



**SAR EVALUATION REPORT**  
**(Class II Permissive Change)**

**FCC 47 CFR § 2.1093**  
**IEEE Std 1528-2013**

*For*  
**Portable Computer**  
**802.11a/b/g/n/ac WLAN+Bluetooth PCI-E Custom Combination Card**

**Model Name: BCM943602CS**  
**FCC ID: QDS-BRCM1080**

**Report Number: 15U20166-S1A**  
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NVLAP LAB CODE 200065-0

## REVISION HISTORY

| Rev. | Issue Date | Revisions                                                                                                                                                                                                                            | Revised By    |
|------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| --   | 4/16/2015  | Initial Issue                                                                                                                                                                                                                        | --            |
| A    | 5/6/2015   | Revised report based on reviewers comments<br>1. Sec. 2: Updated KDB<br>2. Sec. 4.3 Corrected typo and updated table.<br>3. Sec. 8.1 and 8.2 Added note.<br>4. Sec.11: Additional Testing.<br>5. Appendix: Updated Appendix B and C. | Jose Abadilla |
|      |            |                                                                                                                                                                                                                                      |               |
|      |            |                                                                                                                                                                                                                                      |               |

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## 1. Attestation of Test Results

| Applicant Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | BROADCOM CORPORATION                                                              |                                                                                      |       |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------|----------|
| FCC ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      | QDS-BRCM1080                                                                      |                                                                                      |       |          |
| Model Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | BCM943602CS                                                                       |                                                                                      |       |          |
| Applicable Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      | FCC 47 CFR § 2.1093<br>Published RF exposure KDB procedures<br>IEEE Std 1528-2013 |                                                                                      |       |          |
| <b>SAR Limits (W/Kg)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                                                   |                                                                                      |       |          |
| Exposure Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      | Peak spatial-average<br>(1g of tissue)                                            |                                                                                      |       |          |
| General population/Uncontrolled exposure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | 1.6                                                                               |                                                                                      |       |          |
| <b>The Highest Reported SAR (W/kg)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                                                   |                                                                                      |       |          |
| RF Exposure Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      | Equipment Class                                                                   |                                                                                      |       |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      | Licensed                                                                          | DTS                                                                                  | U-NII | DSS (BT) |
| Standalone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | N/A                                                                               | 1.180                                                                                | 1.190 | 0.107    |
| Simultaneous Transmission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Body | 1.287                                                                             | 1.297                                                                                | 1.297 |          |
| Date Tested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | 3/23/2015-3/30/2015; 4/27/2015-5/7/2015                                           |                                                                                      |       |          |
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      | Pass                                                                              |                                                                                      |       |          |
| <p>UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.</p> <p><b>Note:</b> The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government (NIST Handbook 150, Annex A). This report is written to support regulatory compliance of the applicable standards stated above.</p> |      |                                                                                   |                                                                                      |       |          |
| Approved & Released By:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                   | Prepared By:                                                                         |       |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                                                   |  |       |          |
| Bobby Bayani<br>Senior Engineer<br>UL Verification Services Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                                                                   | Jose Abadilla<br>Laboratory Technician<br>UL Verification Services Inc.              |       |          |

## 2. Test Methodology

The tests documented in this report were performed in accordance with FCC 47 CFR Parts 1 & 2, IEEE STD 1528-2013, the following FCC Published RF exposure KDB procedures, and TCB workshop updates:

- 447498 D01 General RF Exposure Guidance v05r02
- 616217 D04 SAR for Laptop and Tablets v01r01
- 248227 D01 802.11 Wi-Fi SAR V02
- 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r03
- 865664 D02 SAR Reporting v01r01
- 690783 D01 SAR Listings on Grants v01r03

## 3. Facilities and Accreditation

The test sites and measurement facilities used to collect data are located at 18920 Forge Drive, Cupertino, California, USA.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.



## 4.2. SAR Scan Procedure

### Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. The minimum distance of probe sensors to surface is 2.1 mm. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

### Step 2: Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE Standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan). If only one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of Zoom Scans has to be increased accordingly.

Area Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

|                                                                                                        | $\leq 3$ GHz                                                                                                                                                                                                                                                           | $> 3$ GHz                                              |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface | $5 \pm 1$ mm                                                                                                                                                                                                                                                           | $\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm     |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location              | $30^\circ \pm 1^\circ$                                                                                                                                                                                                                                                 | $20^\circ \pm 1^\circ$                                 |
| Maximum area scan spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$                 | $\leq 2$ GHz: $\leq 15$ mm<br>$2 - 3$ GHz: $\leq 12$ mm                                                                                                                                                                                                                | $3 - 4$ GHz: $\leq 12$ mm<br>$4 - 6$ GHz: $\leq 10$ mm |
|                                                                                                        | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device. |                                                        |

**Step 3: Zoom Scan**

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. The Zoom Scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1 g and 10 g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

|                                                                                                                                                                                                                                                                                                             |                                           |                                                                                             | $\leq 3$ GHz                                         | $> 3$ GHz                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------|
| Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$                                                                                                                                                                                                                      |                                           |                                                                                             | $\leq 2$ GHz: $\leq 8$ mm<br>2 – 3 GHz: $\leq 5$ mm* | 3 – 4 GHz: $\leq 5$ mm*<br>4 – 6 GHz: $\leq 4$ mm*                            |
| Maximum zoom scan spatial resolution, normal to phantom surface                                                                                                                                                                                                                                             | uniform grid: $\Delta z_{\text{Zoom}}(n)$ |                                                                                             | $\leq 5$ mm                                          | 3 – 4 GHz: $\leq 4$ mm<br>4 – 5 GHz: $\leq 3$ mm<br>5 – 6 GHz: $\leq 2$ mm    |
|                                                                                                                                                                                                                                                                                                             | graded grid                               | $\Delta z_{\text{Zoom}}(1)$ : between 1 <sup>st</sup> two points closest to phantom surface | $\leq 4$ mm                                          | 3 – 4 GHz: $\leq 3$ mm<br>4 – 5 GHz: $\leq 2.5$ mm<br>5 – 6 GHz: $\leq 2$ mm  |
|                                                                                                                                                                                                                                                                                                             |                                           | $\Delta z_{\text{Zoom}}(n>1)$ : between subsequent points                                   | $\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$         |                                                                               |
| Minimum zoom scan volume                                                                                                                                                                                                                                                                                    | x, y, z                                   |                                                                                             | $\geq 30$ mm                                         | 3 – 4 GHz: $\geq 28$ mm<br>4 – 5 GHz: $\geq 25$ mm<br>5 – 6 GHz: $\geq 22$ mm |
| Note: $\delta$ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.                                                                                                                                                           |                                           |                                                                                             |                                                      |                                                                               |
| * When zoom scan is required and the <i>reported</i> SAR from the area scan based <i>1-g SAR estimation</i> procedures of KDB 447498 is $\leq 1.4$ W/kg, $\leq 8$ mm, $\leq 7$ mm and $\leq 5$ mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz. |                                           |                                                                                             |                                                      |                                                                               |

**Step 4: Power drift measurement**

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

**Step 5: Z-Scan (FCC only)**

The Z Scan measures points along a vertical straight line. The line runs along the Z-axis of a one-dimensional grid. In order to get a reasonable extrapolation the extrapolated distance should not be larger than the step size in Z-direction.

### 4.3. Test Equipment

The measuring equipment used to perform the tests documented in this report has been calibrated in accordance with the manufacturers' recommendations, and is traceable to recognized national standards.

#### Dielectric Property Measurements

| Name of Equipment      | Manufacturer                      | Type/Model    | Serial No.    | Cal. Due Date |
|------------------------|-----------------------------------|---------------|---------------|---------------|
| Network Analyzer       | Agilent                           | 8753ES        | MY40001647    | 7/17/2015     |
| Dielectronic Probe kit | SPEAG                             | DAK-3.5       | 1054          | 2/10/2016     |
| Dielectronic Probe kit | SPEAG                             | DAK-3.5 Short | SM DAK 200 BA | N/A           |
| Thermometer            | Traceable Calibration Control Co. | 4242          | 122529162     | 10/8/2015     |

#### System Check

| Name of Equipment                     | Manufacturer    | Type/Model | Serial No.   | Cal. Due Date |
|---------------------------------------|-----------------|------------|--------------|---------------|
| Synthesized Signal Generator          | Rhode & Schwarz | SMU 200A   | 11-300312009 | 5/22/2017     |
| Power Meter                           | Rhode & Schwarz | NRP2       | 17-448768    | 9/3/2015      |
| Power Sensor                          | Rhode & Schwarz | NRP-Z11    | 20-429546    | 4/26/2016     |
| Power Meter                           | Rhode & Schwarz | NRP2       | 17-429038    | 4/24/2015     |
| Power Sensor                          | Rhode & Schwarz | NRP-Z11    | 20-429538    | 4/26/2015     |
| R/F Microwave/Amplifier               | AR              | 3051G3     | 320316       | N/A           |
| R/F Microwave/Amplifier               | AR              | 35S4G8A    | 336934       | N/A           |
| Directional coupler                   | KRYTAR          | 158010     | 142253       | N/A           |
| E-Field Probe (DASY A)                | SPEAG           | EX3DV4     | 3987         | 2/17/2016     |
| E-Field Probe (DASY B)                | SPEAG           | EX3DV4     | 3720         | 2/19/2016     |
| E-Field Probe (DASY C)                | SPEAG           | EX3DV4     | 3988         | 2/17/2016     |
| E-Field Probe (DASY D)                | SPEAG           | EX3DV4     | 3993         | 2/19/2016     |
| Data Acquisition Electronics (DASY A) | SPEAG           | DAE4       | 1432         | 2/11/2016     |
| Data Acquisition Electronics (DASY B) | SPEAG           | DAE4       | 1263         | 2/10/2016     |
| Data Acquisition Electronics (DASY C) | SPEAG           | DAE4       | 1421         | 2/11/2016     |
| Data Acquisition Electronics (DASY D) | SPEAG           | DAE4       | 1427         | 2/11/2016     |
| System Validation Dipole              | SPEAG           | D2450V2    | 826          | 2/10/2016     |
| System Validation Dipole              | SPEAG           | D5GHzV2    | 1072         | 2/12/2016     |
| System Validation Dipole              | SPEAG           | D5GHzV2    | 1084         | 2/12/2016     |

#### Others

| Name of Equipment | Manufacturer    | Type/Model | Serial No. | Cal. Due Date |
|-------------------|-----------------|------------|------------|---------------|
| Power Meter       | Rhode & Schwarz | NRP2       | 17-448768  | 9/3/2015      |
| Power Sensor      | Rhode & Schwarz | NRP-Z11    | 20-429546  | 4/26/2016     |
| Power Meter       | Rhode & Schwarz | NRP2       | 17-429038  | 4/24/2015     |
| Power Sensor      | Rhode & Schwarz | NRP-Z11    | 20-429538  | 4/26/2015     |
| Power Meter       | Rhode & Schwarz | NRP2       | 102823     | 4/6/2016      |
| Power Sensor      | Rhode & Schwarz | NRP-Z11    | 112143     | 4/6/2016      |
| Power Meter       | Rhode & Schwarz | NRP2       | 101664     | 4/15/2016     |
| Power Sensor      | Rhode & Schwarz | NRP-Z11    | 112142     | 4/6/2016      |

## 5. Measurement Uncertainty

Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is  $< 1.5$  W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval.

## 6. Device Under Test (DUT) Information

### 6.1. DUT Description

|                                                                                                                      |                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11a/b/g/n/ac WLAN+Bluetooth PCI-E Custom Combination Card<br>(Tested inside of 15-inch MacBook Pro, Model A1398) |                                                                                                                                                                                                                                                                                          |
| Operating Configuration(s)                                                                                           | Portable Computer                                                                                                                                                                                                                                                                        |
| Antennas Tested                                                                                                      | <p>Vendor :<br/>A / B</p> <p>Part Number :<br/>613-00224 Wi-Fi1 (Chain 3)<br/>613-00224 Wi-Fi2 (Chain 1)<br/>613-00224 Wi-Fi3 &amp; Bluetooth (Chain 2)</p> <p>Antenna to module mapping :<br/>Chain 3 – Wi-Fi Antenna 1<br/>Chain 1 – Wi-Fi Antenna 2<br/>Chain 2 – Wi-Fi Antenna 3</p> |

### 6.2. Wireless Technologies

| Wireless technologies | Frequency bands | Operating mode                                                                                          | Duty Cycle used for SAR testing |
|-----------------------|-----------------|---------------------------------------------------------------------------------------------------------|---------------------------------|
| Wi-Fi                 | 2.4 GHz         | 802.11b<br>802.11g<br>802.11n (HT20)<br>802.11ac (VHT20)                                                | 100%                            |
|                       | 5 GHz           | 802.11a<br>802.11n (HT20)<br>802.11n (HT40)<br>802.11ac (VHT20)<br>802.11ac (VHT40)<br>802.11ac (VHT80) | 100%                            |
| Bluetooth             | 2.4 GHz         | Version 1.8 BLE                                                                                         | 100% (DH5)                      |

### 6.3. Possible Combinations of 802.11 Modes vs. Tx Diversity Configurations

| Band                                                                                          | 802.11 Modes | Tx diversity configurations | Original Approval |
|-----------------------------------------------------------------------------------------------|--------------|-----------------------------|-------------------|
| 2.4GHz<br>(DSSS/OFDM)                                                                         | 11b          | 1 Tx                        | √                 |
|                                                                                               |              | 2 Tx CDD                    | √                 |
|                                                                                               |              | 3 Tx CDD                    | √                 |
|                                                                                               | 11g          | 1 Tx                        | √                 |
|                                                                                               |              | 2 Tx All Non TXBF           | √                 |
|                                                                                               |              | 2 Tx (TXBF)                 | √                 |
|                                                                                               |              | 3 Tx All Non TXBF           | √                 |
|                                                                                               |              | 3 Tx (TXBF)                 | √                 |
|                                                                                               | 11n          | HT20 1 Tx                   | √                 |
|                                                                                               |              | HT20 2 Tx All Non TXBF      | √                 |
|                                                                                               |              | HT20 2 Tx (TXBF)            | √                 |
|                                                                                               |              | HT20 3 Tx All Non TXBF      | √                 |
|                                                                                               |              | HT20 3 Tx (TXBF)            | √                 |
|                                                                                               |              | HT40                        | disabled          |
|                                                                                               | 11ac         | VHT20 (1 Tx)                | √                 |
|                                                                                               |              | VHT40 (1 Tx)                | disabled          |
|                                                                                               |              | VHT80 (1 Tx)                | disabled          |
|                                                                                               |              | VHT20 Non TXBF (2 Tx)       | √                 |
|                                                                                               |              | VHT40 All/TXBF (2 Tx)       | disabled          |
|                                                                                               |              | VHT80 All/TXBF (2 Tx)       | disabled          |
|                                                                                               |              | VHT20 Non TXBF (3 Tx)       | √                 |
|                                                                                               |              | VHT40 All/TXBF (3 Tx)       | disabled          |
|                                                                                               |              | VHT80 All/TXBF (3 Tx)       | disabled          |
| Note(s):                                                                                      |              |                             |                   |
| The 11n/ac 2, 3 Tx VHT20/VHT40/VHT80 "All" modes detailed apply to all of CDD/STBC/SDM modes. |              |                             |                   |

**Possible Combinations of 802.11 Modes vs. Tx Diversity Configurations (3Tx) - Continued**

| Band                       | 802.11 Modes | Tx diversity configurations | Original Approval |
|----------------------------|--------------|-----------------------------|-------------------|
| 5.2GHz<br>(OFDM)<br>UNII-1 | 11a          | 1 Tx                        | √                 |
|                            |              | 2 Tx CDD                    | √                 |
|                            |              | 3 Tx CDD                    | √                 |
|                            | 11n          | HT20 (1 Tx)                 | √                 |
|                            |              | HT40 (1 Tx)                 | √                 |
|                            |              | HT20 All Non TXBF (2 Tx)    | √                 |
|                            |              | HT20 TXBF (2 Tx)            | √                 |
|                            |              | HT40 All Non TXBF (2 Tx)    | √                 |
|                            |              | HT40 TXBF (2 Tx)            | √                 |
|                            |              | HT20 All Non TXBF (3 Tx)    | √                 |
|                            |              | HT20 TXBF (3 Tx)            | √                 |
|                            |              | HT40 All Non TXBF (3 Tx)    | √                 |
|                            |              | HT40 TXBF (3 Tx)            | √                 |
|                            | 11ac         | VHT20 SISO (1 Tx)           | √                 |
|                            |              | VHT40 SISO (1 Tx)           | √                 |
|                            |              | VHT80 SISO (1 Tx)           | √                 |
|                            |              | VHT20 All Non TXBF (2 Tx)   | √                 |
|                            |              | VHT20 TXBF (2 Tx)           | √                 |
|                            |              | VHT40 All Non TXBF (2 Tx)   | √                 |
|                            |              | VHT40 TXBF (2 Tx)           | √                 |
|                            |              | VHT80 All Non TXBF (2 Tx)   | √                 |
|                            |              | VHT80 TXBF (2 Tx)           | √                 |
|                            |              | VHT20 All Non TXBF (3 Tx)   | √                 |
|                            |              | VHT20 TXBF (3 Tx)           | √                 |
|                            |              | VHT40 All Non TXBF (3 Tx)   | √                 |
|                            |              | VHT40 TXBF (3 Tx)           | √                 |
|                            |              | VHT80 All Non TXBF (3 Tx)   | √                 |
|                            |              | VHT80 TXBF (3 Tx)           | √                 |

**Note(s):**

The 11n/ac 2, 3 Tx VHT20/VHT40/VHT80 "All" modes detailed apply to all of CDD/STBC/SDM modes.

**Possible Combinations of 802.11 Modes vs. Tx Diversity Configurations (2Tx) - Continued**

| Band                                                                                          | 802.11 Modes              | Tx diversity configurations | Original Approval |   |
|-----------------------------------------------------------------------------------------------|---------------------------|-----------------------------|-------------------|---|
| 5.3GHz<br>(OFDM)<br>UNII-2A                                                                   | 11a                       | 1 Tx                        | √                 |   |
|                                                                                               |                           | 2 Tx CDD                    | √                 |   |
|                                                                                               |                           | 3 Tx CDD                    | √                 |   |
|                                                                                               | 11n                       | HT20 (1 Tx)                 | √                 |   |
|                                                                                               |                           | HT40 (1 Tx)                 | √                 |   |
|                                                                                               |                           | HT20 All Non TXBF (2 Tx)    | √                 |   |
|                                                                                               |                           | HT20 TXBF (2 Tx)            | √                 |   |
|                                                                                               |                           | HT40 All Non TXBF (2 Tx)    | √                 |   |
|                                                                                               |                           | HT40 TXBF (2 Tx)            | √                 |   |
|                                                                                               |                           | HT20 All Non TXBF (3 Tx)    | √                 |   |
|                                                                                               |                           | HT20 TXBF (3 Tx)            | √                 |   |
|                                                                                               |                           | HT40 All Non TXBF (3 Tx)    | √                 |   |
|                                                                                               |                           | HT40 TXBF (3 Tx)            | √                 |   |
|                                                                                               |                           | 11ac                        | VHT20 (1 Tx)      | √ |
|                                                                                               |                           |                             | VHT40 (1 Tx)      | √ |
|                                                                                               | VHT80 (1 Tx)              |                             | √                 |   |
|                                                                                               | VHT20 All Non TXBF (2 Tx) |                             | √                 |   |
|                                                                                               | VHT20 TXBF (2 Tx)         |                             | √                 |   |
|                                                                                               | VHT40 All Non TXBF (2 Tx) |                             | √                 |   |
|                                                                                               | VHT40 TXBF (2 Tx)         |                             | √                 |   |
|                                                                                               | VHT80 All Non TXBF (2 Tx) |                             | √                 |   |
|                                                                                               | VHT80 TXBF (2 Tx)         |                             | √                 |   |
|                                                                                               | VHT20 All Non TXBF (3 Tx) |                             | √                 |   |
|                                                                                               | VHT20 TXBF (3 Tx)         |                             | √                 |   |
|                                                                                               | VHT40 All Non TXBF (3 Tx) |                             | √                 |   |
|                                                                                               | VHT40 TXBF (3 Tx)         |                             | √                 |   |
|                                                                                               | VHT80 All Non TXBF (3 Tx) | √                           |                   |   |
|                                                                                               | VHT80 TXBF (3 Tx)         | √                           |                   |   |
| Note(s):                                                                                      |                           |                             |                   |   |
| The 11n/ac 2, 3 Tx VHT20/VHT40/VHT80 "All" modes detailed apply to all of CDD/STBC/SDM modes. |                           |                             |                   |   |

**Possible Combinations of 802.11 Modes vs. Tx Diversity Configurations (2Tx) - Continued**

| Band                                                                                          | 802.11 Modes              | Tx diversity configurations | Original Approval |   |
|-----------------------------------------------------------------------------------------------|---------------------------|-----------------------------|-------------------|---|
| 5.5GHz<br>(OFDM)<br>UNII-2C                                                                   | 11a                       | 1 Tx                        | √                 |   |
|                                                                                               |                           | 2 Tx CDD                    | √                 |   |
|                                                                                               |                           | 3 Tx CDD                    | √                 |   |
|                                                                                               | 11n                       | HT20 (1 Tx)                 | √                 |   |
|                                                                                               |                           | HT40 (1 Tx)                 | √                 |   |
|                                                                                               |                           | HT20 All Non TXBF(2 Tx)     | √                 |   |
|                                                                                               |                           | HT20 TXBF (2 Tx)            | √                 |   |
|                                                                                               |                           | HT40 All Non TXBF (2 Tx)    | √                 |   |
|                                                                                               |                           | HT40 TXBF (2 Tx)            | √                 |   |
|                                                                                               |                           | HT20 All Non TXBF(3 Tx)     | √                 |   |
|                                                                                               |                           | HT20 TXBF (3 Tx)            | √                 |   |
|                                                                                               |                           | HT40 All Non TXBF (3 Tx)    | √                 |   |
|                                                                                               |                           | HT40 TXBF (3 Tx)            | √                 |   |
|                                                                                               |                           | 11ac                        | VHT20 (1 Tx)      | √ |
|                                                                                               |                           |                             | VHT40 (1 Tx)      | √ |
|                                                                                               | VHT80 (1 Tx)              |                             | √                 |   |
|                                                                                               | VHT20 All Non TXBF (2 Tx) |                             | √                 |   |
|                                                                                               | VHT20 TXBF (2 Tx)         |                             | √                 |   |
|                                                                                               | VHT40 All Non TFBF (2 Tx) |                             | √                 |   |
|                                                                                               | VHT40 TXBF (2 Tx)         |                             | √                 |   |
|                                                                                               | VHT80 All Non TXBF (2 Tx) |                             | √                 |   |
|                                                                                               | VHT80 TXBF (2 Tx)         |                             | √                 |   |
|                                                                                               | VHT20 All Non TXBF (3 Tx) |                             | √                 |   |
|                                                                                               | VHT20 TXBF (3 Tx)         |                             | √                 |   |
|                                                                                               | VHT40 All Non TFBF (3 Tx) |                             | √                 |   |
|                                                                                               | VHT40 TXBF (3 Tx)         |                             | √                 |   |
|                                                                                               | VHT80 All Non TXBF (3 Tx) | √                           |                   |   |
|                                                                                               | VHT80 TXBF (3 Tx)         | √                           |                   |   |
| Note(s):                                                                                      |                           |                             |                   |   |
| The 11n/ac 2, 3 Tx VHT20/VHT40/VHT80 "All" modes detailed apply to all of CDD/STBC/SDM modes. |                           |                             |                   |   |

**Possible Combinations of 802.11 Modes vs. Tx Diversity Configurations (2Tx) - Continued**

| Band                                                                                          | 802.11 Modes              | Tx diversity configurations | Original Approval |   |
|-----------------------------------------------------------------------------------------------|---------------------------|-----------------------------|-------------------|---|
| 5.8GHz<br>(OFDM)<br>UNII-3                                                                    | 11a                       | 1 Tx                        | √                 |   |
|                                                                                               |                           | 2 Tx CDD                    | √                 |   |
|                                                                                               |                           | 3 Tx CDD                    | √                 |   |
|                                                                                               | 11n                       | HT20 (1 Tx)                 | √                 |   |
|                                                                                               |                           | HT40 (1 Tx)                 | √                 |   |
|                                                                                               |                           | HT20 All Non TXBF (2 Tx)    | √                 |   |
|                                                                                               |                           | HT20 TXBF (2 Tx)            | √                 |   |
|                                                                                               |                           | HT40 All Non TXBF (2 Tx)    | √                 |   |
|                                                                                               |                           | HT40 TXBF (2 Tx)            | √                 |   |
|                                                                                               |                           | HT20 All Non TXBF (3 Tx)    | √                 |   |
|                                                                                               |                           | HT20 TXBF (3 Tx)            | √                 |   |
|                                                                                               |                           | HT40 All Non TXBF (3 Tx)    | √                 |   |
|                                                                                               |                           | HT40 TXBF (3 Tx)            | √                 |   |
|                                                                                               |                           | 11ac                        | VHT20 (1 Tx)      | √ |
|                                                                                               |                           |                             | VHT40 (1 Tx)      | √ |
|                                                                                               | VHT80 (1 Tx)              |                             | √                 |   |
|                                                                                               | VHT20 All Non TXBF (2 Tx) |                             | √                 |   |
|                                                                                               | VHT20 TXBF (2 Tx)         |                             | √                 |   |
|                                                                                               | VHT40 All Non TXBF (2 Tx) |                             | √                 |   |
|                                                                                               | VHT40 TXBF (2 Tx)         |                             | √                 |   |
|                                                                                               | VHT80 All Non TXBF (2 Tx) |                             | √                 |   |
|                                                                                               | VHT80 TXBF (2 Tx)         |                             | √                 |   |
|                                                                                               | VHT20 All Non TXBF (3 Tx) |                             | √                 |   |
|                                                                                               | VHT20 TXBF (3 Tx)         |                             | √                 |   |
|                                                                                               | VHT40 All Non TXBF (3 Tx) |                             | √                 |   |
|                                                                                               | VHT40 TXBF (3 Tx)         |                             | √                 |   |
|                                                                                               | VHT80 All Non TXBF (3 Tx) | √                           |                   |   |
|                                                                                               | VHT80 TXBF (3 Tx)         | √                           |                   |   |
| Note(s):                                                                                      |                           |                             |                   |   |
| The 11n/ac 2, 3 Tx VHT20/VHT40/VHT80 "All" modes detailed apply to all of CDD/STBC/SDM modes. |                           |                             |                   |   |

## 6.4. Maximum Output Power

### Wi-Fi 2.4 GHz Band

| Band (GHz) | Mode           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|------------|----------------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|            |                |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|            |                |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 2.4 (DSSS) | 802.11b Legacy | 1 Tx                | 1     | 2412        | 21.00                                                                  |         |         | 17.50                                                   |         |         |
|            |                |                     | 6     | 2437        | 21.00                                                                  |         |         | 17.50                                                   |         |         |
|            |                |                     | 11    | 2462        | 19.25                                                                  |         |         | 17.50                                                   |         |         |
|            |                |                     | 12    | 2467        | 18.50                                                                  |         |         | 17.50                                                   |         |         |
|            |                |                     | 13    | 2472        | 15.00                                                                  |         |         | 15.00                                                   |         |         |
|            |                |                     | 1     | 2412        |                                                                        | 21.00   |         |                                                         | 16.00   |         |
|            |                |                     | 6     | 2437        |                                                                        | 21.00   |         |                                                         | 16.00   |         |
|            |                |                     | 11    | 2462        |                                                                        | 19.25   |         |                                                         | 16.00   |         |
|            |                |                     | 12    | 2467        |                                                                        | 18.50   |         |                                                         | 16.00   |         |
|            |                |                     | 13    | 2472        |                                                                        | 15.00   |         |                                                         | 15.00   |         |
|            |                |                     | 1     | 2412        |                                                                        |         | 21.00   |                                                         |         | 17.25   |
|            |                |                     | 6     | 2437        |                                                                        |         | 21.00   |                                                         |         | 17.25   |
|            |                |                     | 11    | 2462        |                                                                        |         | 19.25   |                                                         |         | 17.25   |
|            |                |                     | 12    | 2467        |                                                                        |         | 18.50   |                                                         |         | 17.25   |
|            |                |                     | 13    | 2472        |                                                                        |         | 15.00   |                                                         |         | 15.00   |
|            |                | 2 Tx CDD            | 1     | 2412        | 21.00                                                                  | 21.00   |         | 17.50                                                   | 16.00   |         |
|            |                |                     | 6     | 2437        | 21.00                                                                  | 21.00   |         | 17.50                                                   | 16.00   |         |
|            |                |                     | 11    | 2462        | 19.25                                                                  | 19.25   |         | 17.50                                                   | 16.00   |         |
|            |                |                     | 12    | 2467        | 18.50                                                                  | 18.50   |         | 17.50                                                   | 16.00   |         |
|            |                |                     | 13    | 2472        | 15.00                                                                  | 15.00   |         | 15.00                                                   | 15.00   |         |
|            |                |                     | 1     | 2412        | 21.00                                                                  |         | 21.00   | 17.50                                                   |         | 17.25   |
|            |                |                     | 6     | 2437        | 21.00                                                                  |         | 21.00   | 17.50                                                   |         | 17.25   |
|            |                |                     | 11    | 2462        | 19.25                                                                  |         | 19.25   | 17.50                                                   |         | 17.25   |
|            |                |                     | 12    | 2467        | 18.50                                                                  |         | 18.50   | 17.50                                                   |         | 17.25   |
|            |                |                     | 13    | 2472        | 15.00                                                                  |         | 15.00   | 15.00                                                   |         | 15.00   |
|            |                |                     | 1     | 2412        |                                                                        | 21.00   | 21.00   |                                                         | 16.00   | 17.25   |
|            |                |                     | 6     | 2437        |                                                                        | 21.00   | 21.00   |                                                         | 16.00   | 17.25   |
|            |                |                     | 11    | 2462        |                                                                        | 19.25   | 19.25   |                                                         | 16.00   | 17.25   |
|            |                |                     | 12    | 2467        |                                                                        | 18.50   | 18.50   |                                                         | 16.00   | 17.25   |
|            |                |                     | 13    | 2472        |                                                                        | 15.00   | 15.00   |                                                         | 15.00   | 15.00   |
|            |                | 3 Tx CDD            | 1     | 2412        | 21.00                                                                  | 21.00   | 21.00   | 17.50                                                   | 16.00   | 17.25   |
|            |                |                     | 6     | 2437        | 21.00                                                                  | 21.00   | 21.00   | 17.50                                                   | 16.00   | 17.25   |
|            |                |                     | 11    | 2462        | 19.25                                                                  | 19.25   | 19.25   | 17.50                                                   | 16.00   | 17.25   |
|            |                |                     | 12    | 2467        | 18.50                                                                  | 18.50   | 18.50   | 17.50                                                   | 16.00   | 17.25   |
|            |                |                     | 13    | 2472        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |

**Wi-Fi 2.4 GHz Band**

| Band (GHz) | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|            |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|            |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 2.4 (OFDM) | 802.11g | 1 Tx                | 1     | 2412        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|            |         |                     | 2     | 2417        | 20.50                                                                  |         |         | 17.50                                                   |         |         |
|            |         |                     | 6     | 2437        | 21.00                                                                  |         |         | 17.50                                                   |         |         |
|            |         |                     | 10    | 2457        | 19.50                                                                  |         |         | 17.50                                                   |         |         |
|            |         |                     | 11    | 2462        | 16.00                                                                  |         |         | 16.00                                                   |         |         |
|            |         |                     | 12    | 2467        | 13.00                                                                  |         |         | 13.00                                                   |         |         |
|            |         |                     | 13    | 2472        | 9.00                                                                   |         |         | 9.00                                                    |         |         |
|            |         |                     | 1     | 2412        |                                                                        | 18.00   |         |                                                         | 16.00   |         |
|            |         |                     | 2     | 2417        |                                                                        | 20.50   |         |                                                         | 16.00   |         |
|            |         |                     | 6     | 2437        |                                                                        | 21.00   |         |                                                         | 16.00   |         |
|            |         |                     | 10    | 2457        |                                                                        | 19.50   |         |                                                         | 16.00   |         |
|            |         |                     | 11    | 2462        |                                                                        | 16.00   |         |                                                         | 16.00   |         |
|            |         |                     | 12    | 2467        |                                                                        | 13.00   |         |                                                         | 13.00   |         |
|            |         |                     | 13    | 2472        |                                                                        | 9.00    |         |                                                         | 9.00    |         |
|            |         | 2 Tx CDD            | 1     | 2412        |                                                                        |         | 18.00   |                                                         |         | 17.25   |
|            |         |                     | 2     | 2417        |                                                                        |         | 20.50   |                                                         |         | 17.25   |
|            |         |                     | 6     | 2437        |                                                                        |         | 21.00   |                                                         |         | 17.25   |
|            |         |                     | 10    | 2457        |                                                                        |         | 19.50   |                                                         |         | 17.25   |
|            |         |                     | 11    | 2462        |                                                                        |         | 16.00   |                                                         |         | 16.00   |
|            |         |                     | 12    | 2467        |                                                                        |         | 13.00   |                                                         |         | 13.00   |
|            |         |                     | 13    | 2472        |                                                                        |         | 9.00    |                                                         |         | 9.00    |
|            |         |                     | 1     | 2412        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|            |         |                     | 2     | 2417        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 16.00   |         |
|            |         |                     | 6     | 2437        | 21.00                                                                  | 21.00   |         | 17.50                                                   | 16.00   |         |
|            |         |                     | 10    | 2457        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.00   |         |
|            |         |                     | 11    | 2462        | 13.50                                                                  | 13.50   |         | 13.50                                                   | 13.50   |         |
|            |         |                     | 12    | 2467        | 11.25                                                                  | 11.25   |         | 11.25                                                   | 11.25   |         |
|            |         |                     | 13    | 2472        | 7.50                                                                   | 7.50    |         | 7.50                                                    | 7.50    |         |
|            |         |                     | 1     | 2412        | 14.50                                                                  |         | 14.50   | 14.50                                                   |         | 14.50   |
|            |         |                     | 2     | 2417        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 17.25   |
|            |         |                     | 6     | 2437        | 21.00                                                                  |         | 21.00   | 17.50                                                   |         | 17.25   |
|            |         |                     | 10    | 2457        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.25   |
|            |         |                     | 11    | 2462        | 13.50                                                                  |         | 13.50   | 13.50                                                   |         | 13.50   |
|            |         |                     | 12    | 2467        | 11.25                                                                  |         | 11.25   | 11.25                                                   |         | 11.25   |
|            |         |                     | 13    | 2472        | 7.50                                                                   |         | 7.50    | 7.50                                                    |         | 7.50    |

**Wi-Fi 2.4 GHz Band**

| Band (GHz) | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|            |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|            |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 2.4 (OFDM) | 802.11g | 2 Tx CDD            | 1     | 2412        |                                                                        | 14.50   | 14.50   |                                                         | 14.50   | 14.50   |
|            |         |                     | 2     | 2417        |                                                                        | 18.00   | 18.00   |                                                         | 16.00   | 17.25   |
|            |         |                     | 6     | 2437        |                                                                        | 21.00   | 21.00   |                                                         | 16.00   | 17.25   |
|            |         |                     | 10    | 2457        |                                                                        | 17.50   | 17.50   |                                                         | 16.00   | 17.25   |
|            |         |                     | 11    | 2462        |                                                                        | 13.50   | 13.50   |                                                         | 13.50   | 13.50   |
|            |         |                     | 12    | 2467        |                                                                        | 11.25   | 11.25   |                                                         | 11.25   | 11.25   |
|            |         |                     | 13    | 2472        |                                                                        | 7.50    | 7.50    |                                                         | 7.50    | 7.50    |
|            |         | 2 Tx TXBF           | 1     | 2412        | 17.00                                                                  | 17.00   |         | 17.00                                                   | 16.00   |         |
|            |         |                     | 2     | 2417        | 19.50                                                                  | 19.50   |         | 17.50                                                   | 16.00   |         |
|            |         |                     | 6     | 2437        | 21.00                                                                  | 21.00   |         | 17.50                                                   | 16.00   |         |
|            |         |                     | 10    | 2457        | 18.50                                                                  | 18.50   |         | 17.50                                                   | 16.00   |         |
|            |         |                     | 11    | 2462        | 15.00                                                                  | 15.00   |         | 15.00                                                   | 15.00   |         |
|            |         |                     | 12    | 2467        | 14.00                                                                  | 14.00   |         | 14.00                                                   | 14.00   |         |
|            |         |                     | 13    | 2472        | 9.50                                                                   | 9.50    |         | 9.50                                                    | 9.50    |         |
|            |         |                     | 1     | 2412        | 17.00                                                                  |         | 17.00   | 17.00                                                   |         | 17.00   |
|            |         |                     | 2     | 2417        | 19.50                                                                  |         | 19.50   | 17.50                                                   |         | 17.25   |
|            |         |                     | 6     | 2437        | 21.00                                                                  |         | 21.00   | 17.50                                                   |         | 17.25   |
|            |         |                     | 10    | 2457        | 18.50                                                                  |         | 18.50   | 17.50                                                   |         | 17.25   |
|            |         |                     | 11    | 2462        | 15.00                                                                  |         | 15.00   | 15.00                                                   |         | 15.00   |
|            |         |                     | 12    | 2467        | 14.00                                                                  |         | 14.00   | 14.00                                                   |         | 14.00   |
|            |         |                     | 13    | 2472        | 9.50                                                                   |         | 9.50    | 9.50                                                    |         | 9.50    |
|            |         | 3 Tx CDD            | 1     | 2412        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|            |         |                     | 2     | 2417        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                     | 6     | 2437        | 21.00                                                                  | 21.00   | 21.00   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                     | 10    | 2457        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                     | 11    | 2462        | 13.50                                                                  | 13.50   | 13.50   | 13.50                                                   | 13.50   | 13.50   |
|            |         |                     | 12    | 2467        | 11.25                                                                  | 11.25   | 11.25   | 11.25                                                   | 11.25   | 11.25   |
|            |         |                     | 13    | 2472        | 7.50                                                                   | 7.50    | 7.50    | 7.50                                                    | 7.50    | 7.50    |
|            |         | 3 Tx TXBF           | 1     | 2412        | 17.00                                                                  | 17.00   | 17.00   | 17.00                                                   | 16.00   | 17.00   |
|            |         |                     | 2     | 2417        | 19.50                                                                  | 19.50   | 19.50   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                     | 6     | 2437        | 21.00                                                                  | 21.00   | 21.00   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                     | 10    | 2457        | 18.50                                                                  | 18.50   | 18.50   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                     | 11    | 2462        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|            |         |                     | 12    | 2467        | 14.00                                                                  | 14.00   | 14.00   | 14.00                                                   | 14.00   | 14.00   |
|            |         |                     | 13    | 2472        | 9.50                                                                   | 9.50    | 9.50    | 9.50                                                    | 9.50    | 9.50    |

**Wi-Fi 2.4 GHz Band**

| Band (GHz) | Mode    | No. of Transmitters | Ch. #                                          | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|------------|---------|---------------------|------------------------------------------------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|            |         |                     |                                                |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|            |         |                     |                                                |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 2.4 (OFDM) | 802.11n | 1 Tx                | 1                                              | 2412        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|            |         |                     | 2                                              | 2417        | 20.50                                                                  |         |         | 17.50                                                   |         |         |
|            |         |                     | 6                                              | 2437        | 21.00                                                                  |         |         | 17.50                                                   |         |         |
|            |         |                     | 10                                             | 2457        | 19.50                                                                  |         |         | 17.50                                                   |         |         |
|            |         |                     | 11                                             | 2462        | 16.00                                                                  |         |         | 16.00                                                   |         |         |
|            |         |                     | 12                                             | 2467        | 13.00                                                                  |         |         | 13.00                                                   |         |         |
|            |         |                     | 13                                             | 2472        | 9.00                                                                   |         |         | 9.00                                                    |         |         |
|            |         |                     | 1                                              | 2412        |                                                                        | 18.00   |         |                                                         | 16.00   |         |
|            |         |                     | 2                                              | 2417        |                                                                        | 20.50   |         |                                                         | 16.00   |         |
|            |         |                     | 6                                              | 2437        |                                                                        | 21.00   |         |                                                         | 16.00   |         |
|            |         |                     | 10                                             | 2457        |                                                                        | 19.50   |         |                                                         | 16.00   |         |
|            |         |                     | 11                                             | 2462        |                                                                        | 16.00   |         |                                                         | 16.00   |         |
|            |         |                     | 12                                             | 2467        |                                                                        | 13.00   |         |                                                         | 13.00   |         |
|            |         |                     | 13                                             | 2472        |                                                                        | 9.00    |         |                                                         | 9.00    |         |
|            |         |                     | 1                                              | 2412        |                                                                        |         | 18.00   |                                                         |         | 17.25   |
|            |         |                     | 2                                              | 2417        |                                                                        |         | 20.50   |                                                         |         | 17.25   |
|            |         |                     | 6                                              | 2437        |                                                                        |         | 21.00   |                                                         |         | 17.25   |
|            |         |                     | 10                                             | 2457        |                                                                        |         | 19.50   |                                                         |         | 17.25   |
|            |         |                     | 11                                             | 2462        |                                                                        |         | 16.00   |                                                         |         | 16.00   |
|            |         |                     | 12                                             | 2467        |                                                                        |         | 13.00   |                                                         |         | 13.00   |
|            |         |                     | 13                                             | 2472        |                                                                        |         | 9.00    |                                                         |         | 9.00    |
|            |         | 1 Tx HT40           | 40MHz Transmission disabled in the 2.4GHz Band |             |                                                                        |         |         |                                                         |         |         |
|            |         | 2 Tx CDD            | 1                                              | 2412        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|            |         |                     | 2                                              | 2417        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 16.00   |         |
|            |         |                     | 6                                              | 2437        | 21.00                                                                  | 21.00   |         | 17.50                                                   | 16.00   |         |
|            |         |                     | 10                                             | 2457        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.00   |         |
|            |         |                     | 11                                             | 2462        | 13.50                                                                  | 13.50   |         | 13.50                                                   | 13.50   |         |
|            |         |                     | 12                                             | 2467        | 11.25                                                                  | 11.25   |         | 11.25                                                   | 11.25   |         |
|            |         |                     | 13                                             | 2472        | 7.50                                                                   | 7.50    |         | 7.50                                                    | 7.50    |         |
|            |         |                     | 1                                              | 2412        | 14.50                                                                  |         | 14.50   | 14.50                                                   |         | 14.50   |
|            |         |                     | 2                                              | 2417        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 17.25   |
|            |         |                     | 6                                              | 2437        | 21.00                                                                  |         | 21.00   | 17.50                                                   |         | 17.25   |
|            |         |                     | 10                                             | 2457        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.25   |
|            |         |                     | 11                                             | 2462        | 13.50                                                                  |         | 13.50   | 13.50                                                   |         | 13.50   |
|            |         |                     | 12                                             | 2467        | 11.25                                                                  |         | 11.25   | 11.25                                                   |         | 11.25   |
|            |         |                     | 13                                             | 2472        | 7.50                                                                   |         | 7.50    | 7.50                                                    |         | 7.50    |
|            |         |                     | 1                                              | 2412        |                                                                        | 14.50   | 14.50   |                                                         | 14.50   | 14.50   |
|            |         |                     | 2                                              | 2417        |                                                                        | 18.00   | 18.00   |                                                         | 16.00   | 17.25   |
|            |         |                     | 6                                              | 2437        |                                                                        | 21.00   | 21.00   |                                                         | 16.00   | 17.25   |
|            |         |                     | 10                                             | 2457        |                                                                        | 17.50   | 17.50   |                                                         | 16.00   | 17.25   |
|            |         |                     | 11                                             | 2462        |                                                                        | 13.50   | 13.50   |                                                         | 13.50   | 13.50   |
|            |         |                     | 12                                             | 2467        |                                                                        | 11.25   | 11.25   |                                                         | 11.25   | 11.25   |
|            |         |                     | 13                                             | 2472        |                                                                        | 7.50    | 7.50    |                                                         | 7.50    | 7.50    |

**Wi-Fi 2.4 GHz Band**

| Band (GHz) | Mode    | No. of Transmitters  | Ch. #                                          | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|------------|---------|----------------------|------------------------------------------------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|            |         |                      |                                                |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|            |         |                      |                                                |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 2.4 (OFDM) | 802.11n | 2 Tx TXBF            | 1                                              | 2412        | 17.00                                                                  | 17.00   |         | 17.00                                                   | 16.00   |         |
|            |         |                      | 2                                              | 2417        | 19.50                                                                  | 19.50   |         | 17.50                                                   | 16.00   |         |
|            |         |                      | 6                                              | 2437        | 21.00                                                                  | 21.00   |         | 17.50                                                   | 16.00   |         |
|            |         |                      | 10                                             | 2457        | 18.50                                                                  | 18.50   |         | 17.50                                                   | 16.00   |         |
|            |         |                      | 11                                             | 2462        | 15.00                                                                  | 15.00   |         | 15.00                                                   | 15.00   |         |
|            |         |                      | 12                                             | 2467        | 14.00                                                                  | 14.00   |         | 14.00                                                   | 14.00   |         |
|            |         |                      | 13                                             | 2472        | 9.50                                                                   | 9.50    |         | 9.50                                                    | 9.50    |         |
|            |         |                      | 1                                              | 2412        | 17.00                                                                  |         | 17.00   | 17.00                                                   |         | 17.00   |
|            |         |                      | 2                                              | 2417        | 19.50                                                                  |         | 19.50   | 17.50                                                   |         | 17.25   |
|            |         |                      | 6                                              | 2437        | 21.00                                                                  |         | 21.00   | 17.50                                                   |         | 17.25   |
|            |         |                      | 10                                             | 2457        | 18.50                                                                  |         | 18.50   | 17.50                                                   |         | 17.25   |
|            |         |                      | 11                                             | 2462        | 15.00                                                                  |         | 15.00   | 15.00                                                   |         | 15.00   |
|            |         |                      | 12                                             | 2467        | 14.00                                                                  |         | 14.00   | 14.00                                                   |         | 14.00   |
|            |         |                      | 13                                             | 2472        | 9.50                                                                   |         | 9.50    | 9.50                                                    |         | 9.50    |
|            |         |                      | 1                                              | 2412        |                                                                        | 17.00   | 17.00   |                                                         | 16.00   | 17.00   |
|            |         |                      | 2                                              | 2417        |                                                                        | 19.50   | 19.50   |                                                         | 16.00   | 17.25   |
|            |         |                      | 6                                              | 2437        |                                                                        | 21.00   | 21.00   |                                                         | 16.00   | 17.25   |
|            |         |                      | 10                                             | 2457        |                                                                        | 18.50   | 18.50   |                                                         | 16.00   | 17.25   |
|            |         |                      | 11                                             | 2462        |                                                                        | 15.00   | 15.00   |                                                         | 15.00   | 15.00   |
|            |         |                      | 12                                             | 2467        |                                                                        | 14.00   | 14.00   |                                                         | 14.00   | 14.00   |
|            |         |                      | 13                                             | 2472        |                                                                        | 9.50    | 9.50    |                                                         | 9.50    | 9.50    |
|            |         | 2 Tx HT40 All / TXBF | 40MHz Transmission disabled in the 2.4GHz Band |             |                                                                        |         |         |                                                         |         |         |
|            |         | 3 Tx CDD             | 1                                              | 2412        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|            |         |                      | 2                                              | 2417        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                      | 6                                              | 2437        | 21.00                                                                  | 21.00   | 21.00   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                      | 10                                             | 2457        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                      | 11                                             | 2462        | 13.50                                                                  | 13.50   | 13.50   | 13.50                                                   | 13.50   | 13.50   |
|            |         |                      | 12                                             | 2467        | 11.25                                                                  | 11.25   | 11.25   | 11.25                                                   | 11.25   | 11.25   |
|            |         |                      | 13                                             | 2472        | 7.50                                                                   | 7.50    | 7.50    | 7.50                                                    | 7.50    | 7.50    |
|            |         | 3 Tx STBC            | 1                                              | 2412        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|            |         |                      | 2                                              | 2417        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                      | 6                                              | 2437        | 21.00                                                                  | 21.00   | 21.00   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                      | 10                                             | 2457        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.00   | 17.25   |
|            |         |                      | 11                                             | 2462        | 13.50                                                                  | 13.50   | 13.50   | 13.50                                                   | 13.50   | 13.50   |
|            |         |                      | 12                                             | 2467        | 11.25                                                                  | 11.25   | 11.25   | 11.25                                                   | 11.25   | 11.25   |
|            |         |                      | 13                                             | 2472        | 7.50                                                                   | 7.50    | 7.50    | 7.50                                                    | 7.50    | 7.50    |

**Wi-Fi 2.4 GHz Band**

| Band (GHz) | Mode     | No. of Transmitters  | Ch. #                                          | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|------------|----------|----------------------|------------------------------------------------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|            |          |                      |                                                |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|            |          |                      |                                                |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 2.4 (OFDM) | 802.11n  | 3 Tx SDM             | 1                                              | 2412        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|            |          |                      | 2                                              | 2417        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 16.00   | 17.25   |
|            |          |                      | 6                                              | 2437        | 21.00                                                                  | 21.00   | 21.00   | 17.50                                                   | 16.00   | 17.25   |
|            |          |                      | 10                                             | 2457        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.00   | 17.25   |
|            |          |                      | 11                                             | 2462        | 13.50                                                                  | 13.50   | 13.50   | 13.50                                                   | 13.50   | 13.50   |
|            |          |                      | 12                                             | 2467        | 11.25                                                                  | 11.25   | 11.25   | 11.25                                                   | 11.25   | 11.25   |
|            |          |                      | 13                                             | 2472        | 7.50                                                                   | 7.50    | 7.50    | 7.50                                                    | 7.50    | 7.50    |
|            |          | 3 Tx TXBF            | 1                                              | 2412        | 17.00                                                                  | 17.00   | 17.00   | 17.00                                                   | 16.00   | 17.00   |
|            |          |                      | 2                                              | 2417        | 19.50                                                                  | 19.50   | 19.50   | 17.50                                                   | 16.00   | 17.25   |
|            |          |                      | 6                                              | 2437        | 21.00                                                                  | 21.00   | 21.00   | 17.50                                                   | 16.00   | 17.25   |
|            |          |                      | 10                                             | 2457        | 18.50                                                                  | 18.50   | 18.50   | 17.50                                                   | 16.00   | 17.25   |
|            |          |                      | 11                                             | 2462        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|            |          |                      | 12                                             | 2467        | 14.00                                                                  | 14.00   | 14.00   | 14.00                                                   | 14.00   | 14.00   |
|            |          |                      | 13                                             | 2472        | 9.50                                                                   | 9.50    | 9.50    | 9.50                                                    | 9.50    | 9.50    |
|            |          | 3 Tx HT40 All / TXBF | 40MHz Transmission disabled in the 2.4GHz Band |             |                                                                        |         |         |                                                         |         |         |
|            | 802.11ac | 1 Tx VHT20           | 1                                              | 2412        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|            |          |                      | 2                                              | 2417        | 20.50                                                                  |         |         | 17.50                                                   |         |         |
|            |          |                      | 6                                              | 2437        | 21.00                                                                  |         |         | 17.50                                                   |         |         |
|            |          |                      | 10                                             | 2457        | 19.50                                                                  |         |         | 17.50                                                   |         |         |
|            |          |                      | 11                                             | 2462        | 16.00                                                                  |         |         | 16.00                                                   |         |         |
|            |          |                      | 12                                             | 2467        | 13.00                                                                  |         |         | 13.00                                                   |         |         |
|            |          |                      | 13                                             | 2472        | 9.00                                                                   |         |         | 9.00                                                    |         |         |
|            |          |                      | 1                                              | 2412        |                                                                        | 18.00   |         |                                                         | 16.00   |         |
|            |          |                      | 2                                              | 2417        |                                                                        | 20.50   |         |                                                         | 16.00   |         |
|            |          |                      | 6                                              | 2437        |                                                                        | 21.00   |         |                                                         | 16.00   |         |
|            |          |                      | 10                                             | 2457        |                                                                        | 19.50   |         |                                                         | 16.00   |         |
|            |          |                      | 11                                             | 2462        |                                                                        | 16.00   |         |                                                         | 16.00   |         |
|            |          |                      | 12                                             | 2467        |                                                                        | 13.00   |         |                                                         | 13.00   |         |
|            |          |                      | 13                                             | 2472        |                                                                        | 9.00    |         |                                                         | 9.00    |         |
|            |          |                      | 1                                              | 2412        |                                                                        |         | 18.00   |                                                         |         | 17.25   |
|            |          |                      | 2                                              | 2417        |                                                                        |         | 20.50   |                                                         |         | 17.25   |
|            |          |                      | 6                                              | 2437        |                                                                        |         | 21.00   |                                                         |         | 17.25   |
|            |          |                      | 10                                             | 2457        |                                                                        |         | 19.50   |                                                         |         | 17.25   |
|            |          |                      | 11                                             | 2462        |                                                                        |         | 16.00   |                                                         |         | 16.00   |
|            |          |                      | 12                                             | 2467        |                                                                        |         | 13.00   |                                                         |         | 13.00   |
|            |          |                      | 13                                             | 2472        |                                                                        |         | 9.00    |                                                         |         | 9.00    |
|            |          | 1 Tx VHT40           | 40MHz Transmission disabled in the 2.4GHz Band |             |                                                                        |         |         |                                                         |         |         |
|            |          | 1 Tx VHT80           | 80MHz Transmission disabled in the 2.4GHz Band |             |                                                                        |         |         |                                                         |         |         |

**Wi-Fi 2.4 GHz Band**

| Band (GHz) | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|            |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|            |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 2.4 (OFDM) | 802.11ac | 2 Tx VHT20 CDD      | 1     | 2412        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|            |          |                     | 2     | 2417        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 16.00   |         |
|            |          |                     | 6     | 2437        | 21.00                                                                  | 21.00   |         | 17.50                                                   | 16.00   |         |
|            |          |                     | 10    | 2457        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.00   |         |
|            |          |                     | 11    | 2462        | 13.50                                                                  | 13.50   |         | 13.50                                                   | 13.50   |         |
|            |          |                     | 12    | 2467        | 11.25                                                                  | 11.25   |         | 11.25                                                   | 11.25   |         |
|            |          |                     | 13    | 2472        | 7.50                                                                   | 7.50    |         | 7.50                                                    | 7.50    |         |
|            |          |                     | 1     | 2412        | 14.50                                                                  |         | 14.50   | 14.50                                                   |         | 14.50   |
|            |          |                     | 2     | 2417        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 17.25   |
|            |          |                     | 6     | 2437        | 21.00                                                                  |         | 21.00   | 17.50                                                   |         | 17.25   |
|            |          |                     | 10    | 2457        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.25   |
|            |          |                     | 11    | 2462        | 13.50                                                                  |         | 13.50   | 13.50                                                   |         | 13.50   |
|            |          |                     | 12    | 2467        | 11.25                                                                  |         | 11.25   | 11.25                                                   |         | 11.25   |
|            |          |                     | 13    | 2472        | 7.50                                                                   |         | 7.50    | 7.50                                                    |         | 7.50    |
|            |          |                     | 1     | 2412        |                                                                        | 14.50   | 14.50   |                                                         | 14.50   | 14.50   |
|            |          |                     | 2     | 2417        |                                                                        | 18.00   | 18.00   |                                                         | 16.00   | 17.25   |
|            |          |                     | 6     | 2437        |                                                                        | 21.00   | 21.00   |                                                         | 16.00   | 17.25   |
|            |          |                     | 10    | 2457        |                                                                        | 17.50   | 17.50   |                                                         | 16.00   | 17.25   |
|            |          |                     | 11    | 2462        |                                                                        | 13.50   | 13.50   |                                                         | 13.50   | 13.50   |
|            |          |                     | 12    | 2467        |                                                                        | 11.25   | 11.25   |                                                         | 11.25   | 11.25   |
|            |          |                     | 13    | 2472        |                                                                        | 7.50    | 7.50    |                                                         | 7.50    | 7.50    |
|            |          | 2 Tx VHT20 TXBF     | 1     | 2412        | 17.00                                                                  | 17.00   |         | 17.00                                                   | 16.00   |         |
|            |          |                     | 2     | 2417        | 19.50                                                                  | 19.50   |         | 17.50                                                   | 16.00   |         |
|            |          |                     | 6     | 2437        | 21.00                                                                  | 21.00   |         | 17.50                                                   | 16.00   |         |
|            |          |                     | 10    | 2457        | 18.50                                                                  | 18.50   |         | 17.50                                                   | 16.00   |         |
|            |          |                     | 11    | 2462        | 15.00                                                                  | 15.00   |         | 15.00                                                   | 15.00   |         |
|            |          |                     | 12    | 2467        | 14.00                                                                  | 14.00   |         | 14.00                                                   | 14.00   |         |
|            |          |                     | 13    | 2472        | 9.50                                                                   | 9.50    |         | 9.50                                                    | 9.50    |         |
|            |          |                     | 1     | 2412        | 17.00                                                                  |         | 17.00   | 17.00                                                   |         | 17.00   |
|            |          |                     | 2     | 2417        | 19.50                                                                  |         | 19.50   | 17.50                                                   |         | 17.25   |
|            |          |                     | 6     | 2437        | 21.00                                                                  |         | 21.00   | 17.50                                                   |         | 17.25   |
|            |          |                     | 10    | 2457        | 18.50                                                                  |         | 18.50   | 17.50                                                   |         | 17.25   |
|            |          |                     | 11    | 2462        | 15.00                                                                  |         | 15.00   | 15.00                                                   |         | 15.00   |
|            |          |                     | 12    | 2467        | 14.00                                                                  |         | 14.00   | 14.00                                                   |         | 14.00   |
|            |          |                     | 13    | 2472        | 9.50                                                                   |         | 9.50    | 9.50                                                    |         | 9.50    |
|            |          |                     | 1     | 2412        |                                                                        | 17.00   | 17.00   |                                                         | 16.00   | 17.00   |
|            |          |                     | 2     | 2417        |                                                                        | 19.50   | 19.50   |                                                         | 16.00   | 17.25   |
|            |          |                     | 6     | 2437        |                                                                        | 21.00   | 21.00   |                                                         | 16.00   | 17.25   |
|            |          |                     | 10    | 2457        |                                                                        | 18.50   | 18.50   |                                                         | 16.00   | 17.25   |
|            |          |                     | 11    | 2462        |                                                                        | 15.00   | 15.00   |                                                         | 15.00   | 15.00   |
|            |          |                     | 12    | 2467        |                                                                        | 14.00   | 14.00   |                                                         | 14.00   | 14.00   |
|            |          |                     | 13    | 2472        |                                                                        | 9.50    | 9.50    |                                                         | 9.50    | 9.50    |

**Wi-Fi 2.4 GHz Band**

| Band<br>(GHz) | Mode     | No. of<br>Transmitters           | Ch. #                                          | Freq.<br>(MHz) | Maximum Target power setting<br>from Original Approval <sup>1</sup><br>(dBm) |         |         | Maximum Target power setting<br>from C2PC/A1398 Host (dBm) |         |         |
|---------------|----------|----------------------------------|------------------------------------------------|----------------|------------------------------------------------------------------------------|---------|---------|------------------------------------------------------------|---------|---------|
|               |          |                                  |                                                |                | Wi-Fi 1                                                                      | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                    | Wi-Fi 2 | Wi-Fi 3 |
|               |          |                                  |                                                |                | Chain 3                                                                      | Chain 1 | Chain 2 | Chain 3                                                    | Chain 1 | Chain 2 |
| 2.4<br>(OFDM) | 802.11ac | 2 Tx<br>VHT40<br>All Non<br>TXBF | 40MHz Transmission disabled in the 2.4GHz Band |                |                                                                              |         |         |                                                            |         |         |
|               |          | 2 Tx<br>VHT80<br>All Non<br>TXBF | 80MHz Transmission disabled in the 2.4GHz Band |                |                                                                              |         |         |                                                            |         |         |
|               |          | 3 Tx<br>VHT20<br>CDD             | 1                                              | 2412           | 14.50                                                                        | 14.50   | 14.50   | 14.50                                                      | 14.50   | 14.50   |
|               |          |                                  | 2                                              | 2417           | 18.00                                                                        | 18.00   | 18.00   | 17.50                                                      | 16.00   | 17.25   |
|               |          |                                  | 6                                              | 2437           | 21.00                                                                        | 21.00   | 21.00   | 17.50                                                      | 16.00   | 17.25   |
|               |          |                                  | 10                                             | 2457           | 17.50                                                                        | 17.50   | 17.50   | 17.50                                                      | 16.00   | 17.25   |
|               |          |                                  | 11                                             | 2462           | 13.50                                                                        | 13.50   | 13.50   | 13.50                                                      | 13.50   | 13.50   |
|               |          |                                  | 12                                             | 2467           | 11.25                                                                        | 11.25   | 11.25   | 11.25                                                      | 11.25   | 11.25   |
|               |          |                                  | 13                                             | 2472           | 7.50                                                                         | 7.50    | 7.50    | 7.50                                                       | 7.50    | 7.50    |
|               |          | 3 Tx<br>VHT20<br>All Non<br>TXBF | 1                                              | 2412           | 14.50                                                                        | 14.50   | 14.50   | 14.50                                                      | 14.50   | 14.50   |
|               |          |                                  | 2                                              | 2417           | 18.00                                                                        | 18.00   | 18.00   | 17.50                                                      | 16.00   | 17.25   |
|               |          |                                  | 6                                              | 2437           | 21.00                                                                        | 21.00   | 21.00   | 17.50                                                      | 16.00   | 17.25   |
|               |          |                                  | 10                                             | 2457           | 17.50                                                                        | 17.50   | 17.50   | 17.50                                                      | 16.00   | 17.25   |
|               |          |                                  | 11                                             | 2462           | 13.50                                                                        | 13.50   | 13.50   | 13.50                                                      | 13.50   | 13.50   |
|               |          |                                  | 12                                             | 2467           | 11.25                                                                        | 11.25   | 11.25   | 11.25                                                      | 11.25   | 11.25   |
|               |          |                                  | 13                                             | 2472           | 7.50                                                                         | 7.50    | 7.50    | 7.50                                                       | 7.50    | 7.50    |
|               |          | 3 Tx<br>VHT20<br>TXBF            | 1                                              | 2412           | 17.00                                                                        | 17.00   | 17.00   | 17.00                                                      | 16.00   | 17.00   |
|               |          |                                  | 2                                              | 2417           | 19.50                                                                        | 19.50   | 19.50   | 17.50                                                      | 16.00   | 17.25   |
|               |          |                                  | 6                                              | 2437           | 21.00                                                                        | 21.00   | 21.00   | 17.50                                                      | 16.00   | 17.25   |
|               |          |                                  | 10                                             | 2457           | 18.50                                                                        | 18.50   | 18.50   | 17.50                                                      | 16.00   | 17.25   |
|               |          |                                  | 11                                             | 2462           | 15.00                                                                        | 15.00   | 15.00   | 15.00                                                      | 15.00   | 15.00   |
|               |          |                                  | 12                                             | 2467           | 14.00                                                                        | 14.00   | 14.00   | 14.00                                                      | 14.00   | 14.00   |
|               |          |                                  | 13                                             | 2472           | 9.50                                                                         | 9.50    | 9.50    | 9.50                                                       | 9.50    | 9.50    |
|               |          | 3 Tx<br>VHT40<br>All Non<br>TXBF | 40MHz Transmission disabled in the 2.4GHz Band |                |                                                                              |         |         |                                                            |         |         |
|               |          | 3 Tx<br>VHT80<br>All Non<br>TXBF | 80MHz Transmission disabled in the 2.4GHz Band |                |                                                                              |         |         |                                                            |         |         |

**Note(s):**

1) The "Original Approval" power levels were based upon FCC modular approval testing of the BCM943602CS radio. These power levels were approved up to maximum regulatory levels to cover a number of different potential applications.

The original maximum regulatory power levels may be reduced further by the driver for one of the following two reasons:

- a) For performance (i.e. non-regulatory) reasons to ensure that PER and EVM of the radio meet internal specifications.
- b) For application specifics. In this case the power is reduced to meet the specific SAR requirement per transmit chain over frequency band/channel. SAR specifics are addressed in a Class II permissive change as applicable.

2) The 11n 2Tx,3Tx HT20/HT40 "All" modes detailed apply to all of the CDD/STBC/SDM non-transmit beamforming modes.

**Wi-Fi 5.2 GHz Band**

| Band (GHz)         | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.2 (OFDM) U-NII-1 | 802.11a | 1 Tx                | 36    | 5180        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |         |                     | 40    | 5200        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |         |                     | 44    | 5220        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |         |                     | 48    | 5240        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |         |                     | 36    | 5180        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |         |                     | 40    | 5200        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |         |                     | 44    | 5220        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |         |                     | 48    | 5240        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |         |                     | 36    | 5180        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |         |                     | 40    | 5200        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |         |                     | 44    | 5220        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |         |                     | 48    | 5240        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |         | 2 Tx CDD            | 36    | 5180        | 17.00                                                                  | 17.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 40    | 5200        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 44    | 5220        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 48    | 5240        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 36    | 5180        | 17.00                                                                  |         | 17.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 40    | 5200        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 44    | 5220        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 48    | 5240        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 36    | 5180        |                                                                        | 17.00   | 17.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 40    | 5200        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 44    | 5220        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 48    | 5240        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         | 2 Tx TXBF           | 36    | 5180        | 17.00                                                                  | 17.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 40    | 5200        | 17.00                                                                  | 17.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 44    | 5220        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 48    | 5240        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 36    | 5180        | 17.00                                                                  |         | 17.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 40    | 5200        | 17.00                                                                  |         | 17.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 44    | 5220        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 48    | 5240        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 36    | 5180        |                                                                        | 17.00   | 17.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 40    | 5200        |                                                                        | 17.00   | 17.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 44    | 5220        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 48    | 5240        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         | 3 Tx CDD            | 36    | 5180        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |         |                     | 40    | 5200        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |         |                     | 44    | 5220        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |         |                     | 48    | 5240        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |         | 3 Tx TXBF           | 36    | 5180        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |         |                     | 40    | 5200        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |         |                     | 44    | 5220        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |         |                     | 48    | 5240        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |

**Wi-Fi 5.2 GHz Band**

| Band (GHz)         | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.2 (OFDM) U-NII-1 | 802.11n | 1 Tx HT20 SISO      | 36    | 5180        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |         |                     | 40    | 5200        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |         |                     | 44    | 5220        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |         |                     | 48    | 5240        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |         |                     | 36    | 5180        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |         |                     | 40    | 5200        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |         |                     | 44    | 5220        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |         |                     | 48    | 5240        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |         |                     | 36    | 5180        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |         |                     | 40    | 5200        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |         |                     | 44    | 5220        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |         |                     | 48    | 5240        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |         | 2 Tx HT20 CDD       | 36    | 5180        | 17.00                                                                  | 17.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 40    | 5200        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 48    | 5240        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 36    | 5180        | 17.00                                                                  |         | 17.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 40    | 5200        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 48    | 5240        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 36    | 5180        |                                                                        | 17.00   | 17.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 40    | 5200        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 48    | 5240        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         | 2 Tx HT20 STBC      | 36    | 5180        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 40    | 5200        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 48    | 5240        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 36    | 5180        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 40    | 5200        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 48    | 5240        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 36    | 5180        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 40    | 5200        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 48    | 5240        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |         | 2 Tx HT20 SDM       | 36    | 5180        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 40    | 5200        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 48    | 5240        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 36    | 5180        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 40    | 5200        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 48    | 5240        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 36    | 5180        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 40    | 5200        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 48    | 5240        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |

**Wi-Fi 5.2 GHz Band**

| Band (GHz)         | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.2 (OFDM) U-NII-1 | 802.11n | 2 Tx HT20 TXBF      | 36    | 5180        | 17.00                                                                  | 17.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 40    | 5200        | 17.00                                                                  | 17.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 48    | 5240        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 36    | 5180        | 17.00                                                                  |         | 17.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 40    | 5200        | 17.00                                                                  |         | 17.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 48    | 5240        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 36    | 5180        |                                                                        | 17.00   | 17.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 40    | 5200        |                                                                        | 17.00   | 17.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 48    | 5240        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |         | 3 Tx HT20 CDD       | 36    | 5180        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |         |                     | 40    | 5200        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |         |                     | 48    | 5240        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |         | 3 Tx HT20 STBC      | 36    | 5180        | 17.50                                                                  | 17.50   | 17.50   | 16.50                                                   | 15.50   | 16.50   |
|                    |         |                     | 40    | 5200        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |         |                     | 48    | 5240        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |         | 3 Tx HT20 SDM       | 36    | 5180        | 17.50                                                                  | 17.50   | 17.50   | 16.50                                                   | 15.50   | 16.50   |
|                    |         |                     | 40    | 5200        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |         |                     | 48    | 5240        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |         | 3 Tx HT20 TXBF      | 36    | 5180        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |         |                     | 40    | 5200        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |         |                     | 48    | 5240        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |         |                     | 38    | 5190        | 15.50                                                                  |         |         | 15.50                                                   |         |         |
|                    |         |                     | 46    | 5230        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |         |                     | 38    | 5190        |                                                                        | 15.50   |         |                                                         | 15.50   |         |
|                    |         | 1 Tx HT40 CDD       | 46    | 5230        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |         |                     | 38    | 5190        |                                                                        |         | 15.50   |                                                         |         | 15.50   |
|                    |         |                     | 46    | 5230        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |         |                     | 38    | 5190        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |         |                     | 46    | 5230        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 38    | 5190        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                    |         | 2 Tx HT40 CDD       | 46    | 5230        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 38    | 5190        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                    |         |                     | 46    | 5230        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 38    | 5190        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |         |                     | 46    | 5230        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 38    | 5190        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                    |         | 2 Tx HT40 STBC      | 46    | 5230        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 38    | 5190        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                    |         |                     | 46    | 5230        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |         |                     | 38    | 5190        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |         |                     | 46    | 5230        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |         |                     | 38    | 5190        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |

**Wi-Fi 5.2 GHz Band**

| Band (GHz)         | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.2 (OFDM) U-NII-1 | 802.11n  | 2 Tx HT40 SDM       | 38    | 5190        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |          |                     | 46    | 5230        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 38    | 5190        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                    |          |                     | 46    | 5230        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 38    | 5190        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                    |          |                     | 46    | 5230        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |          | 2 Tx HT40 TXBF      | 38    | 5190        | 13.00                                                                  | 13.00   |         | 13.00                                                   | 13.00   |         |
|                    |          |                     | 46    | 5230        | 16.75                                                                  | 16.75   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 38    | 5190        | 13.00                                                                  |         | 13.00   | 13.00                                                   |         | 13.00   |
|                    |          |                     | 46    | 5230        | 16.75                                                                  |         | 16.75   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 38    | 5190        |                                                                        | 13.00   | 13.00   |                                                         | 13.00   | 13.00   |
|                    |          |                     | 46    | 5230        |                                                                        | 16.75   | 16.75   |                                                         | 15.50   | 16.50   |
|                    |          | 3 Tx HT40 CDD       | 38    | 5190        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                    |          |                     | 46    | 5230        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |          | 3 Tx HT40 STBC      | 38    | 5190        | 12.25                                                                  | 12.25   | 12.25   | 12.25                                                   | 12.25   | 12.25   |
|                    |          |                     | 46    | 5230        | 17.75                                                                  | 17.75   | 17.75   | 16.50                                                   | 15.50   | 16.50   |
|                    |          | 3 Tx HT40 SDM       | 38    | 5190        | 12.25                                                                  | 12.25   | 12.25   | 12.25                                                   | 12.25   | 12.25   |
|                    |          |                     | 46    | 5230        | 17.75                                                                  | 17.75   | 17.75   | 16.50                                                   | 15.50   | 16.50   |
|                    |          | 3 Tx HT40 TXBF      | 38    | 5190        | 13.00                                                                  | 13.00   | 13.00   | 13.00                                                   | 13.00   | 13.00   |
|                    |          |                     | 46    | 5230        | 14.25                                                                  | 14.25   | 14.25   | 14.25                                                   | 14.25   | 14.25   |
|                    | 802.11ac | 1 Tx VHT20 SISO     | 36    | 5180        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |          |                     | 40    | 5200        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |          |                     | 44    | 5220        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |          |                     | 48    | 5240        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |          |                     | 36    | 5180        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |          |                     | 40    | 5200        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |          |                     | 44    | 5220        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |          |                     | 48    | 5240        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |          |                     | 36    | 5180        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |          |                     | 40    | 5200        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |          |                     | 44    | 5220        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |          |                     | 48    | 5240        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |          | 1 Tx VHT40 SISO     | 38    | 5190        | 15.50                                                                  |         |         | 15.50                                                   |         |         |
|                    |          |                     | 46    | 5230        | 18.00                                                                  |         |         | 16.50                                                   |         |         |
|                    |          |                     | 38    | 5190        |                                                                        | 15.50   |         |                                                         | 15.50   |         |
|                    |          |                     | 46    | 5230        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                    |          |                     | 38    | 5190        |                                                                        |         | 15.50   |                                                         |         | 15.50   |
|                    |          |                     | 46    | 5230        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                    |          | 1 Tx VHT80 SISO     | 42    | 5210        | 14.50                                                                  |         |         | 14.50                                                   |         |         |
|                    |          |                     | 42    | 5210        |                                                                        | 14.50   |         |                                                         | 14.50   |         |
|                    |          |                     | 42    | 5210        |                                                                        |         | 14.50   |                                                         |         | 14.50   |

**Wi-Fi 5.2 GHz Band**

| Band (GHz)         | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.2 (OFDM) U-NII-1 | 802.11ac | 2 Tx VHT20 CDD      | 36    | 5180        | 17.00                                                                  | 17.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 40    | 5200        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 48    | 5240        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 36    | 5180        | 17.00                                                                  |         | 17.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 40    | 5200        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 48    | 5240        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 36    | 5180        |                                                                        | 17.00   | 17.00   |                                                         | 15.50   | 16.50   |
|                    |          |                     | 40    | 5200        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |          |                     | 48    | 5240        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |          | 2 Tx VHT20 STBC     | 36    | 5180        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 40    | 5200        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 48    | 5240        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 36    | 5180        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 40    | 5200        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 48    | 5240        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 36    | 5180        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |          |                     | 40    | 5200        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |          |                     | 48    | 5240        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |          | 2 Tx VHT20 SDM      | 36    | 5180        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 40    | 5200        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 48    | 5240        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 36    | 5180        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 40    | 5200        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 48    | 5240        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 36    | 5180        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |          |                     | 40    | 5200        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |          |                     | 48    | 5240        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |          | 2 Tx VHT20 TXBF     | 36    | 5180        | 17.00                                                                  | 17.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 40    | 5200        | 17.50                                                                  | 17.50   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 48    | 5240        | 17.00                                                                  | 17.00   |         | 16.50                                                   | 15.50   |         |

**Wi-Fi 5.2 GHz Band**

| Band (GHz)         | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.2 (OFDM) U-NII-1 | 802.11ac | 2 Tx VHT20 TXBF     | 36    | 5180        | 17.00                                                                  |         | 17.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 40    | 5200        | 17.50                                                                  |         | 17.50   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 48    | 5240        | 17.00                                                                  |         | 17.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 36    | 5180        |                                                                        | 17.00   | 17.00   |                                                         | 15.50   | 16.50   |
|                    |          |                     | 40    | 5200        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.50   |
|                    |          |                     | 48    | 5240        |                                                                        | 17.00   | 17.00   |                                                         | 15.50   | 16.50   |
|                    |          | 3 Tx VHT20 CDD      | 36    | 5180        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |          |                     | 40    | 5200        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |          |                     | 48    | 5240        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |          | 3 Tx VHT20 STBC     | 36    | 5180        | 17.50                                                                  | 17.50   | 17.50   | 16.50                                                   | 15.50   | 16.50   |
|                    |          |                     | 40    | 5200        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |          |                     | 48    | 5240        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |          | 3 Tx VHT20 SDM      | 36    | 5180        | 17.50                                                                  | 17.50   | 17.50   | 16.50                                                   | 15.50   | 16.50   |
|                    |          |                     | 40    | 5200        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |          |                     | 48    | 5240        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |          | 3 Tx VHT20 TXBF     | 36    | 5180        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |          |                     | 40    | 5200        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |          |                     | 48    | 5240        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |          | 2 Tx VHT40 CDD      | 38    | 5190        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |          |                     | 46    | 5230        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 38    | 5190        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                    |          |                     | 46    | 5230        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 38    | 5190        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                    |          |                     | 46    | 5230        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |          | 2 Tx VHT40 STBC     | 38    | 5190        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |          |                     | 46    | 5230        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 38    | 5190        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                    |          |                     | 46    | 5230        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 38    | 5190        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                    |          |                     | 46    | 5230        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |

**Wi-Fi 5.2 GHz Band**

| Band (GHz)         | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.2 (OFDM) U-NII-1 | 802.11ac | 2 Tx VHT40 SDM      | 38    | 5190        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |          |                     | 46    | 5230        | 18.00                                                                  | 18.00   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 38    | 5190        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                    |          |                     | 46    | 5230        | 18.00                                                                  |         | 18.00   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 38    | 5190        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                    |          |                     | 46    | 5230        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.50   |
|                    |          | 2 Tx VHT40 TXBF     | 38    | 5190        | 13.00                                                                  | 13.00   |         | 13.00                                                   | 13.00   |         |
|                    |          |                     | 46    | 5230        | 16.75                                                                  | 16.75   |         | 16.50                                                   | 15.50   |         |
|                    |          |                     | 38    | 5190        | 13.00                                                                  |         | 13.00   | 13.00                                                   |         | 13.00   |
|                    |          |                     | 46    | 5230        | 16.75                                                                  |         | 16.75   | 16.50                                                   |         | 16.50   |
|                    |          |                     | 38    | 5190        |                                                                        | 13.00   | 13.00   |                                                         | 13.00   | 13.00   |
|                    |          |                     | 46    | 5230        |                                                                        | 16.75   | 16.75   |                                                         | 15.50   | 16.50   |
|                    |          | 3 Tx VHT40 CDD      | 38    | 5190        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                    |          |                     | 46    | 5230        | 18.00                                                                  | 18.00   | 18.00   | 16.50                                                   | 15.50   | 16.50   |
|                    |          | 3 Tx VHT40 STBC     | 38    | 5190        | 12.25                                                                  | 12.25   | 12.25   | 12.25                                                   | 12.25   | 12.25   |
|                    |          |                     | 46    | 5230        | 17.75                                                                  | 17.75   | 17.75   | 16.50                                                   | 15.50   | 16.50   |
|                    |          | 3 Tx VHT40 SDM      | 38    | 5190        | 12.25                                                                  | 12.25   | 12.25   | 12.25                                                   | 12.25   | 12.25   |
|                    |          |                     | 46    | 5230        | 17.75                                                                  | 17.75   | 17.75   | 16.50                                                   | 15.50   | 16.50   |
|                    |          | 3 Tx VHT40 TXBF     | 38    | 5190        | 13.00                                                                  | 13.00   | 13.00   | 13.00                                                   | 13.00   | 13.00   |
|                    |          |                     | 46    | 5230        | 14.25                                                                  | 14.25   | 14.25   | 14.25                                                   | 14.25   | 14.25   |
|                    |          | 2 Tx VHT80 CDD      | 42    | 5210        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |          |                     | 42    | 5210        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                    |          |                     | 42    | 5210        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                    |          | 2 Tx VHT80 STBC     | 42    | 5210        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |          |                     | 42    | 5210        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                    |          |                     | 42    | 5210        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                    |          | 2 Tx VHT80 SDM      | 42    | 5210        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                    |          |                     | 42    | 5210        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                    |          |                     | 42    | 5210        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                    |          | 2 Tx VHT80 TXBF     | 42    | 5210        | 10.25                                                                  | 10.25   |         | 10.25                                                   | 10.25   |         |
|                    |          |                     | 42    | 5210        | 10.25                                                                  |         | 10.25   | 10.25                                                   |         | 10.25   |
|                    |          |                     | 42    | 5210        |                                                                        | 10.25   | 10.25   |                                                         | 10.25   | 10.25   |
|                    |          | 3 Tx VHT80 CDD      | 42    | 5210        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                    |          | 3 Tx VHT80 STBC     | 42    | 5210        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                    |          | 3 Tx VHT80 SDM      | 42    | 5210        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                    |          | 3 Tx VHT80 TXBF     | 42    | 5210        | 10.00                                                                  | 10.00   | 10.00   | 10.00                                                   | 10.00   | 10.00   |

**Note(s):**

1) The "Original Approval" power levels were based upon FCC modular approval testing of the BCM943602CS radio. These power levels were approved up to maximum regulatory levels to cover a number of different potential applications.

The original maximum regulatory power levels may be reduced further by the driver for one of the following two reasons:

- a) For performance (i.e. non-regulatory) reasons to ensure that PER and EVM of the radio meet internal specifications.
  - b) For application specifics. In this case the power is reduced to meet the specific SAR requirement per transmit chain over frequency band/channel. SAR specifics are addressed in a Class II permissive change as applicable.
- 2) The 11n 2Tx,3Tx HT20/HT40 "All" modes detailed apply to all of the CDD/STBC/SDM non-transmit beamforming modes.

**Wi-Fi 5.3 GHz Band**

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.3 (OFDM) U-NII-2A | 802.11a | 1 Tx                | 52    | 5260        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |         |                     | 56    | 5280        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |         |                     | 60    | 5300        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |         |                     | 64    | 5320        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |         |                     | 52    | 5260        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |         |                     | 56    | 5280        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |         |                     | 60    | 5300        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |         |                     | 64    | 5320        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |         |                     | 52    | 5260        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |         |                     | 56    | 5280        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |         |                     | 60    | 5300        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |         |                     | 64    | 5320        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |         | 2 Tx CDD            | 52    | 5260        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 56    | 5280        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 60    | 5300        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 64    | 5320        | 17.00                                                                  | 17.00   |         | 17.00                                                   | 15.00   |         |
|                     |         |                     | 52    | 5260        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 56    | 5280        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 60    | 5300        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 64    | 5320        | 17.00                                                                  |         | 17.00   | 17.00                                                   |         | 16.50   |
|                     |         |                     | 52    | 5260        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 56    | 5280        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 60    | 5300        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 64    | 5320        |                                                                        | 17.00   | 17.00   |                                                         | 15.00   | 16.50   |
|                     |         | 2 Tx TXBF           | 52    | 5260        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 56    | 5280        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 60    | 5300        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 64    | 5320        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 15.00   |         |
|                     |         |                     | 52    | 5260        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 56    | 5280        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 60    | 5300        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 64    | 5320        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                     |         |                     | 52    | 5260        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 56    | 5280        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 60    | 5300        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 64    | 5320        |                                                                        | 16.50   | 16.50   |                                                         | 15.00   | 16.50   |
|                     |         | 3 Tx CDD            | 52    | 5260        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 56    | 5280        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 60    | 5300        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 64    | 5320        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         | 3 Tx TXBF           | 52    | 5260        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 56    | 5280        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 60    | 5300        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 64    | 5320        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |

**Wi-Fi 5.3 GHz Band**

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.3 (OFDM) U-NII-2A | 802.11n | 1 Tx HT20 SISO      | 52    | 5260        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |         |                     | 60    | 5300        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |         |                     | 64    | 5320        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |         |                     | 52    | 5260        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |         |                     | 60    | 5300        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |         |                     | 64    | 5320        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |         |                     | 52    | 5260        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |         |                     | 60    | 5300        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |         |                     | 64    | 5320        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |         | 1 Tx HT40 SISO      | 54    | 5270        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |         |                     | 62    | 5310        | 15.00                                                                  |         |         | 15.00                                                   |         |         |
|                     |         |                     | 54    | 5270        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |         |                     | 62    | 5310        |                                                                        | 15.00   |         |                                                         | 15.00   |         |
|                     |         |                     | 54    | 5270        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |         |                     | 62    | 5310        |                                                                        |         | 15.00   |                                                         |         | 15.00   |
|                     |         | 2 Tx HT20 CDD       | 52    | 5260        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 60    | 5300        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 64    | 5320        | 17.00                                                                  | 17.00   |         | 17.00                                                   | 15.00   |         |
|                     |         |                     | 52    | 5260        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 60    | 5300        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 64    | 5320        | 17.00                                                                  |         | 17.00   | 17.00                                                   |         | 16.50   |
|                     |         |                     | 52    | 5260        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 60    | 5300        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 64    | 5320        |                                                                        | 17.00   | 17.00   |                                                         | 15.00   | 16.50   |
|                     |         | 2 Tx HT20 STBC/SDM  | 52    | 5260        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 56    | 5280        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 60    | 5300        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 64    | 5320        | 17.00                                                                  | 17.00   |         | 17.00                                                   | 15.00   |         |
|                     |         |                     | 52    | 5260        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 56    | 5280        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 60    | 5300        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 64    | 5320        | 17.00                                                                  |         | 17.00   | 17.00                                                   |         | 16.50   |
|                     |         |                     | 52    | 5260        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 56    | 5280        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 60    | 5300        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 64    | 5320        |                                                                        | 17.00   | 17.00   |                                                         | 15.00   | 16.50   |

## Wi-Fi 5.3 GHz Band

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.3 (OFDM) U-NII-2A | 802.11n | 2 Tx HT20 TXBF      | 52    | 5260        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 56    | 5280        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 64    | 5320        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 15.00   |         |
|                     |         |                     | 52    | 5260        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 56    | 5280        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 64    | 5320        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                     |         |                     | 52    | 5260        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 56    | 5280        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 64    | 5320        |                                                                        | 16.50   | 16.50   |                                                         | 15.00   | 16.50   |
|                     |         | 2 Tx HT40 CDD       | 54    | 5270        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 62    | 5310        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                     |         |                     | 54    | 5270        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 62    | 5310        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                     |         |                     | 54    | 5270        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 62    | 5310        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                     |         | 2 Tx HT40 STBC/SDM  | 54    | 5270        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |         |                     | 62    | 5310        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                     |         |                     | 54    | 5270        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |         |                     | 62    | 5310        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                     |         |                     | 54    | 5270        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 62    | 5310        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                     |         | 2 Tx HT40 TXBF      | 54    | 5270        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 15.00   |         |
|                     |         |                     | 62    | 5310        | 12.00                                                                  | 12.00   |         | 12.00                                                   | 12.00   |         |
|                     |         |                     | 54    | 5270        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                     |         |                     | 62    | 5310        | 12.00                                                                  |         | 12.00   | 12.00                                                   |         | 12.00   |
|                     |         |                     | 54    | 5270        |                                                                        | 16.50   | 16.50   |                                                         | 15.00   | 16.50   |
|                     |         |                     | 62    | 5310        |                                                                        | 12.00   | 12.00   |                                                         | 12.00   | 12.00   |
|                     |         | 3 Tx HT20 CDD       | 52    | 5260        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 60    | 5300        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 64    | 5320        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         | 3 Tx HT20 STBC/SDM  | 52    | 5260        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 15.00   | 16.50   |
|                     |         |                     | 56    | 5280        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 15.00   | 16.50   |
|                     |         |                     | 64    | 5320        | 17.00                                                                  | 17.00   | 17.00   | 17.00                                                   | 15.00   | 16.50   |
|                     |         | 3 Tx HT20 TXBF      | 52    | 5260        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 56    | 5280        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         |                     | 64    | 5320        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |         | 3 Tx HT40 CDD       | 54    | 5270        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 15.00   | 16.50   |
|                     |         |                     | 62    | 5310        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                     |         | 3 Tx HT40 STBC/SDM  | 54    | 5270        | 17.75                                                                  | 17.75   | 17.75   | 17.75                                                   | 15.00   | 16.50   |
|                     |         |                     | 62    | 5310        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                     |         | 3 Tx HT40 TXBF      | 54    | 5270        | 14.00                                                                  | 14.00   | 14.00   | 14.00                                                   | 14.00   | 14.00   |
|                     |         |                     | 62    | 5310        | 12.00                                                                  | 12.00   | 12.00   | 12.00                                                   | 12.00   | 12.00   |

## Wi-Fi 5.3 GHz Band

| Band (GHz)          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.3 (OFDM) U-NII-2A | 802.11ac | 1 Tx VHT20 SISO     | 52    | 5260        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |          |                     | 60    | 5300        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |          |                     | 64    | 5320        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |          |                     | 52    | 5260        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |          |                     | 60    | 5300        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |          |                     | 64    | 5320        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |          |                     | 52    | 5260        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |          |                     | 60    | 5300        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |          |                     | 64    | 5320        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |          | 1 Tx VHT40 SISO     | 54    | 5270        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                     |          |                     | 62    | 5310        | 15.00                                                                  |         |         | 15.00                                                   |         |         |
|                     |          |                     | 54    | 5270        |                                                                        | 18.00   |         |                                                         | 15.00   |         |
|                     |          |                     | 62    | 5310        |                                                                        | 15.00   |         |                                                         | 15.00   |         |
|                     |          |                     | 54    | 5270        |                                                                        |         | 18.00   |                                                         |         | 16.50   |
|                     |          |                     | 62    | 5310        |                                                                        |         | 15.00   |                                                         |         | 15.00   |
|                     |          | 1 Tx VHT80 SISO     | 58    | 5290        | 13.75                                                                  |         |         | 13.75                                                   |         |         |
|                     |          |                     | 58    | 5290        |                                                                        | 13.75   |         |                                                         | 13.75   |         |
|                     |          |                     | 58    | 5290        |                                                                        |         | 13.75   |                                                         |         | 13.75   |
|                     |          | 2 Tx VHT20 CDD      | 52    | 5260        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |          |                     | 60    | 5300        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |          |                     | 64    | 5320        | 17.00                                                                  | 17.00   |         | 17.00                                                   | 15.00   |         |
|                     |          |                     | 52    | 5260        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |          |                     | 60    | 5300        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |          |                     | 64    | 5320        | 17.00                                                                  |         | 17.00   | 17.00                                                   |         | 16.50   |
|                     |          |                     | 52    | 5260        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |          |                     | 60    | 5300        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |          |                     | 64    | 5320        |                                                                        | 17.00   | 17.00   |                                                         | 15.00   | 16.50   |
|                     |          | 2 Tx VHT20 STBC/SDM | 52    | 5260        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |          |                     | 56    | 5280        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |          |                     | 64    | 5320        | 17.00                                                                  | 17.00   |         | 17.00                                                   | 15.00   |         |
|                     |          |                     | 52    | 5260        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |          |                     | 56    | 5280        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |          |                     | 64    | 5320        | 17.00                                                                  |         | 17.00   | 17.00                                                   |         | 16.50   |
|                     |          |                     | 52    | 5260        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |          |                     | 56    | 5280        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |          |                     | 64    | 5320        |                                                                        | 17.00   | 17.00   |                                                         | 15.00   | 16.50   |
|                     |          | 2 Tx VHT20 TXBF     | 52    | 5260        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |          |                     | 56    | 5280        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |          |                     | 64    | 5320        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 15.00   |         |
|                     |          |                     | 52    | 5260        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |          |                     | 56    | 5280        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |          |                     | 64    | 5320        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                     |          |                     | 52    | 5260        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |          |                     | 56    | 5280        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |          |                     | 64    | 5320        |                                                                        | 16.50   | 16.50   |                                                         | 15.00   | 16.50   |

**Wi-Fi 5.3 GHz Band**

| Band (GHz)          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.3 (OFDM) U-NII-2A | 802.11ac | 2 Tx VHT40 CDD      | 54    | 5270        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |          |                     | 62    | 5310        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                     |          |                     | 54    | 5270        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |          |                     | 62    | 5310        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                     |          |                     | 54    | 5270        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |          |                     | 62    | 5310        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                     |          | 2 Tx VHT40 STBC/SDM | 54    | 5270        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 15.00   |         |
|                     |          |                     | 62    | 5310        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                     |          |                     | 54    | 5270        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.50   |
|                     |          |                     | 62    | 5310        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                     |          |                     | 54    | 5270        |                                                                        | 18.00   | 18.00   |                                                         | 15.00   | 16.50   |
|                     |          |                     | 62    | 5310        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                     |          | 2 Tx VHT40 TXBF     | 54    | 5270        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 15.00   |         |
|                     |          |                     | 62    | 5310        | 12.00                                                                  | 12.00   |         | 12.00                                                   | 12.00   |         |
|                     |          |                     | 54    | 5270        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                     |          |                     | 62    | 5310        | 12.00                                                                  |         | 12.00   | 12.00                                                   |         | 12.00   |
|                     |          |                     | 54    | 5270        |                                                                        | 16.50   | 16.50   |                                                         | 15.00   | 16.50   |
|                     |          |                     | 62    | 5310        |                                                                        | 12.00   | 12.00   |                                                         | 12.00   | 12.00   |
|                     |          | 2 Tx VHT80 CDD      | 58    | 5290        | 11.50                                                                  | 11.50   |         | 11.50                                                   | 11.50   |         |
|                     |          |                     | 58    | 5290        | 11.50                                                                  |         | 11.50   | 11.50                                                   |         | 11.50   |
|                     |          |                     | 58    | 5290        |                                                                        | 11.50   | 11.50   |                                                         | 11.50   | 11.50   |
|                     |          | 2 Tx VHT80 STBC/SDM | 58    | 5290        | 11.50                                                                  | 11.50   |         | 11.50                                                   | 11.50   |         |
|                     |          |                     | 58    | 5290        | 11.50                                                                  |         | 11.50   | 11.50                                                   |         | 11.50   |
|                     |          |                     | 58    | 5290        |                                                                        | 11.50   | 11.50   |                                                         | 11.50   | 11.50   |
|                     |          | 2 Tx VHT80 TXBF     | 58    | 5290        | 9.50                                                                   | 9.50    |         | 9.50                                                    | 9.50    |         |
|                     |          |                     | 58    | 5290        | 9.50                                                                   |         | 9.50    | 9.50                                                    |         | 9.50    |
|                     |          |                     | 58    | 5290        |                                                                        | 9.50    | 9.50    |                                                         | 9.50    | 9.50    |

**Wi-Fi 5.3 GHz Band**

| Band (GHz)          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.3 (OFDM) U-NII-2A | 802.11ac | 3 Tx VHT20 CDD      | 52    | 5260        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |          |                     | 60    | 5300        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |          |                     | 64    | 5320        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |          | 3 Tx VHT20 STBC     | 52    | 5260        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 15.00   | 16.50   |
|                     |          |                     | 56    | 5280        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 15.00   | 16.50   |
|                     |          |                     | 64    | 5320        | 17.00                                                                  | 17.00   | 17.00   | 17.00                                                   | 15.00   | 16.50   |
|                     |          | 3 Tx VHT20 TXBF     | 52    | 5260        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |          |                     | 56    | 5280        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |          |                     | 64    | 5320        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.00   | 16.00   |
|                     |          | 3 Tx VHT40 CDD      | 54    | 5270        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 15.00   | 16.50   |
|                     |          |                     | 62    | 5310        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                     |          | 3 Tx VHT40 STBC     | 54    | 5270        | 17.75                                                                  | 17.75   | 17.75   | 17.75                                                   | 15.00   | 16.50   |
|                     |          |                     | 62    | 5310        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                     |          | 3 Tx VHT40 TXBF     | 54    | 5270        | 14.00                                                                  | 14.00   | 14.00   | 14.00                                                   | 14.00   | 14.00   |
|                     |          |                     | 62    | 5310        | 12.00                                                                  | 12.00   | 12.00   | 12.00                                                   | 12.00   | 12.00   |
|                     |          | 3 Tx VHT80 CDD      | 58    | 5290        | 11.50                                                                  | 11.50   | 11.50   | 11.50                                                   | 11.50   | 11.50   |
|                     |          | 3 Tx VHT80 STBC/SDM | 58    | 5290        | 11.50                                                                  | 11.50   | 11.50   | 11.50                                                   | 11.50   | 11.50   |
|                     |          | 3 Tx VHT80 TXBF     | 58    | 5290        | 9.50                                                                   | 9.50    | 9.50    | 9.50                                                    | 9.50    | 9.50    |

**Note(s):**

1) The "Original Approval" power levels were based upon FCC modular approval testing of the BCM943602CS radio. These power levels were approved up to maximum regulatory levels to cover a number of different potential applications.

The original maximum regulatory power levels may be reduced further by the driver for one of the following two reasons:

- a) For performance (i.e. non-regulatory) reasons to ensure that PER and EVM of the radio meet internal specifications.
- b) For application specifics. In this case the power is reduced to meet the specific SAR requirement per transmit chain over frequency band/channel. SAR specifics are addressed in a Class II permissive change as applicable.

2) The 11n 2Tx,3Tx HT20/HT40 "All" modes detailed apply to all of the CDD/STBC/SDM non-transmit beamforming modes.

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11a | 1 Tx                | 100   | 5500        | 17.00                                                                  |         |         | 17.00                                                   |         |         |
|                     |         |                     | 104   | 5520        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 108   | 5540        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 112   | 5560        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 116   | 5580        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 120   | 5600        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 124   | 5620        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 128   | 5640        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 132   | 5660        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 136   | 5680        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 140   | 5700        | 16.25                                                                  |         |         | 16.25                                                   |         |         |
|                     |         |                     | 144   | 5720        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 100   | 5500        |                                                                        | 17.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 104   | 5520        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 108   | 5540        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 112   | 5560        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 116   | 5580        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 120   | 5600        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 124   | 5620        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 128   | 5640        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 132   | 5660        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 136   | 5680        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 140   | 5700        |                                                                        | 16.25   |         |                                                         | 15.50   |         |
|                     |         |                     | 144   | 5720        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 100   | 5500        |                                                                        |         | 17.00   |                                                         |         | 16.75   |
|                     |         |                     | 104   | 5520        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 108   | 5540        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 112   | 5560        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 116   | 5580        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 120   | 5600        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 124   | 5620        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 128   | 5640        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 132   | 5660        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 136   | 5680        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 140   | 5700        |                                                                        |         | 16.25   |                                                         |         | 16.25   |
|                     |         |                     | 144   | 5720        |                                                                        |         | 18.00   |                                                         |         | 16.75   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11a | 2 Tx CDD            | 100   | 5500        | 16.00                                                                  | 16.00   |         | 16.00                                                   | 15.50   |         |
|                     |         |                     | 104   | 5520        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 108   | 5540        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 112   | 5560        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 116   | 5580        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 120   | 5600        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 124   | 5620        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 128   | 5640        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 132   | 5660        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 136   | 5680        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 140   | 5700        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|                     |         |                     | 144   | 5720        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 100   | 5500        | 16.00                                                                  |         | 16.00   | 16.00                                                   |         | 16.00   |
|                     |         |                     | 104   | 5520        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 108   | 5540        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 112   | 5560        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 116   | 5580        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 120   | 5600        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 124   | 5620        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 128   | 5640        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 132   | 5660        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 136   | 5680        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 140   | 5700        | 14.50                                                                  |         | 14.50   | 14.50                                                   |         | 14.50   |
|                     |         |                     | 144   | 5720        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 16.75   |
|                     |         | 2 Tx TXBF           | 100   | 5500        |                                                                        | 16.00   | 16.00   |                                                         | 15.50   | 16.00   |
|                     |         |                     | 104   | 5520        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 108   | 5540        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 112   | 5560        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 116   | 5580        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 120   | 5600        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 124   | 5620        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 128   | 5640        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 132   | 5660        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 136   | 5680        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 140   | 5700        |                                                                        | 14.50   | 14.50   |                                                         | 14.50   | 14.50   |
|                     |         |                     | 144   | 5720        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 100   | 5500        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 104   | 5520        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 108   | 5540        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 112   | 5560        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 116   | 5580        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 120   | 5600        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 124   | 5620        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 128   | 5640        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 132   | 5660        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 136   | 5680        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 140   | 5700        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|                     |         |                     | 144   | 5720        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11a | 2 Tx TXBF           | 100   | 5500        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 104   | 5520        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 108   | 5540        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 112   | 5560        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 116   | 5580        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 120   | 5600        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 124   | 5620        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 128   | 5640        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 132   | 5660        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 136   | 5680        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 140   | 5700        | 15.50                                                                  |         | 15.50   | 15.50                                                   |         | 15.50   |
|                     |         |                     | 144   | 5720        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 100   | 5500        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 104   | 5520        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 108   | 5540        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         | 3 Tx CDD            | 112   | 5560        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 116   | 5580        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 120   | 5600        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 124   | 5620        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 128   | 5640        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 132   | 5660        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 136   | 5680        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 140   | 5700        |                                                                        | 15.50   | 15.50   |                                                         | 15.50   | 15.50   |
|                     |         |                     | 144   | 5720        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 100   | 5500        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 104   | 5520        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 108   | 5540        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 112   | 5560        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 116   | 5580        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         | 3 Tx TXBF           | 120   | 5600        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 124   | 5620        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 128   | 5640        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 132   | 5660        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 136   | 5680        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 140   | 5700        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 144   | 5720        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 100   | 5500        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 104   | 5520        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 108   | 5540        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 112   | 5560        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 116   | 5580        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 120   | 5600        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 124   | 5620        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 128   | 5640        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 132   | 5660        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 136   | 5680        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 140   | 5700        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 144   | 5720        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11n | 1 Tx HT20 SISO      | 100   | 5500        | 17.00                                                                  |         |         | 17.00                                                   |         |         |
|                     |         |                     | 104   | 5520        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 108   | 5540        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 112   | 5560        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 116   | 5580        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 120   | 5600        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 124   | 5620        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 128   | 5640        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 132   | 5660        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 136   | 5680        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 140   | 5700        | 16.25                                                                  |         |         | 16.25                                                   |         |         |
|                     |         |                     | 144   | 5720        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 100   | 5500        |                                                                        | 17.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 104   | 5520        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 108   | 5540        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 112   | 5560        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 116   | 5580        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 120   | 5600        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 124   | 5620        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 128   | 5640        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 132   | 5660        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 136   | 5680        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 140   | 5700        |                                                                        | 16.25   |         |                                                         | 15.50   |         |
|                     |         |                     | 144   | 5720        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 100   | 5500        |                                                                        |         | 17.00   |                                                         |         | 16.75   |
|                     |         |                     | 104   | 5520        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 108   | 5540        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 112   | 5560        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 116   | 5580        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 120   | 5600        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 124   | 5620        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 128   | 5640        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 132   | 5660        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 136   | 5680        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 140   | 5700        |                                                                        |         | 16.25   |                                                         |         | 16.25   |
|                     |         |                     | 144   | 5720        |                                                                        |         | 18.00   |                                                         |         | 16.75   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11n | 1 Tx HT40 SISO      | 102   | 5510        | 16.00                                                                  |         |         | 16.00                                                   |         |         |
|                     |         |                     | 110   | 5550        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 118   | 5590        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 126   | 5630        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 134   | 5670        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 142   | 5710        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 102   | 5510        |                                                                        | 16.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 110   | 5550        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 118   | 5590        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 126   | 5630        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 134   | 5670        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 142   | 5710        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 102   | 5510        |                                                                        |         | 16.00   |                                                         |         | 16.00   |
|                     |         |                     | 110   | 5550        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 118   | 5590        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 126   | 5630        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 134   | 5670        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 142   | 5710        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         | 2 Tx HT20 CDD       | 100   | 5500        | 16.00                                                                  | 16.00   |         | 16.00                                                   | 15.50   |         |
|                     |         |                     | 104   | 5520        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 108   | 5540        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 112   | 5560        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 116   | 5580        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 120   | 5600        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 124   | 5620        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 128   | 5640        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 136   | 5680        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 140   | 5700        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|                     |         |                     | 144   | 5720        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 100   | 5500        | 16.00                                                                  |         | 16.00   | 16.00                                                   |         | 16.00   |
|                     |         |                     | 104   | 5520        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 108   | 5540        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 112   | 5560        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 116   | 5580        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 120   | 5600        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 124   | 5620        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 128   | 5640        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 136   | 5680        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 140   | 5700        | 14.50                                                                  |         | 14.50   | 14.50                                                   |         | 14.50   |
|                     |         |                     | 144   | 5720        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11n | 2 Tx HT20 CDD       | 100   | 5500        |                                                                        | 16.00   | 16.00   |                                                         | 15.50   | 16.00   |
|                     |         |                     | 104   | 5520        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 108   | 5540        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 112   | 5560        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 116   | 5580        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 120   | 5600        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 124   | 5620        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 128   | 5640        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 136   | 5680        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 140   | 5700        |                                                                        | 14.50   | 14.50   |                                                         | 14.50   | 14.50   |
|                     |         |                     | 144   | 5720        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         | 2 Tx HT20 STBC/SDM  | 100   | 5500        | 16.00                                                                  | 16.00   |         | 16.00                                                   | 15.50   |         |
|                     |         |                     | 104   | 5520        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 108   | 5540        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 112   | 5560        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 116   | 5580        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 120   | 5600        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 124   | 5620        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 128   | 5640        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 136   | 5680        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 140   | 5700        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|                     |         |                     | 144   | 5720        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 100   | 5500        | 16.00                                                                  |         | 16.00   | 16.00                                                   |         | 16.00   |
|                     |         |                     | 104   | 5520        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 108   | 5540        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 112   | 5560        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 116   | 5580        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 120   | 5600        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 124   | 5620        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 128   | 5640        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 136   | 5680        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 140   | 5700        | 14.50                                                                  |         | 14.50   | 14.50                                                   |         | 14.50   |
|                     |         |                     | 144   | 5720        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 100   | 5500        |                                                                        | 16.00   | 16.00   |                                                         | 15.50   | 16.00   |
|                     |         |                     | 104   | 5520        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 108   | 5540        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 112   | 5560        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 116   | 5580        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 120   | 5600        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 124   | 5620        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 128   | 5640        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 136   | 5680        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 140   | 5700        |                                                                        | 14.50   | 14.50   |                                                         | 14.50   | 14.50   |
|                     |         |                     | 144   | 5720        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |      |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |      |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C |      | 2 Tx HT20 TXBF      | 100   | 5500        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 104   | 5520        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 108   | 5540        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 112   | 5560        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 116   | 5580        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 120   | 5600        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 124   | 5620        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 128   | 5640        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 136   | 5680        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 140   | 5700        | 15.50                                                                  | 15.50   |         | 15.50                                                   | 15.50   |         |
|                     |      |                     | 144   | 5720        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |      |                     | 100   | 5500        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |      |                     | 104   | 5520        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |      |                     | 108   | 5540        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |      |                     | 112   | 5560        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |      |                     | 116   | 5580        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |      |                     | 120   | 5600        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |      |                     | 124   | 5620        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |      |                     | 128   | 5640        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |      |                     | 136   | 5680        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |      |                     | 140   | 5700        | 15.50                                                                  |         | 15.50   | 15.50                                                   |         | 15.50   |
|                     |      |                     | 144   | 5720        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |      | 3 Tx HT20 CDD       | 100   | 5500        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 104   | 5520        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 108   | 5540        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 112   | 5560        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 116   | 5580        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 120   | 5600        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 124   | 5620        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 128   | 5640        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 136   | 5680        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 140   | 5700        |                                                                        | 15.50   | 15.50   |                                                         | 15.50   | 15.50   |
|                     |      |                     | 144   | 5720        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |      |                     | 100   | 5500        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |      |                     | 104   | 5520        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |      |                     | 108   | 5540        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |      |                     | 112   | 5560        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |      |                     | 116   | 5580        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |      |                     | 120   | 5600        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |      |                     | 124   | 5620        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |      |                     | 128   | 5640        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |      |                     | 136   | 5680        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |      |                     | 140   | 5700        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                     |      |                     | 144   | 5720        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |

## Wi-Fi 5.5 GHz Band

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11n | 3 Tx HT20 STBC/SDM  | 100   | 5500        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.50   | 16.00   |
|                     |         |                     | 104   | 5520        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 108   | 5540        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 112   | 5560        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 116   | 5580        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 120   | 5600        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 124   | 5620        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 128   | 5640        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 136   | 5680        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 140   | 5700        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                     |         |                     | 144   | 5720        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         | 3 Tx HT20 TXBF      | 100   | 5500        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 104   | 5520        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 108   | 5540        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 112   | 5560        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 116   | 5580        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 120   | 5600        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 124   | 5620        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 128   | 5640        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |         |                     | 132   | 5660        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                     |         |                     | 136   | 5680        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                     |         |                     | 140   | 5700        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                     |         |                     | 144   | 5720        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                     |         | 2 Tx HT40 CDD       | 102   | 5510        | 12.00                                                                  | 12.00   |         | 12.00                                                   | 12.00   |         |
|                     |         |                     | 110   | 5550        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 118   | 5590        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 126   | 5630        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 134   | 5670        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 15.50   |         |
|                     |         |                     | 142   | 5710        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 102   | 5510        | 12.00                                                                  |         | 12.00   | 12.00                                                   |         | 12.00   |
|                     |         |                     | 110   | 5550        | 19.00                                                                  |         | 19.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 118   | 5590        | 19.00                                                                  |         | 19.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 126   | 5630        | 19.00                                                                  |         | 19.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 134   | 5670        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                     |         |                     | 142   | 5710        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 102   | 5510        |                                                                        | 12.00   | 12.00   |                                                         | 12.00   | 12.00   |
|                     |         |                     | 110   | 5550        |                                                                        | 19.00   | 19.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 118   | 5590        |                                                                        | 19.00   | 19.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 126   | 5630        |                                                                        | 19.00   | 19.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 134   | 5670        |                                                                        | 16.50   | 16.50   |                                                         | 15.50   | 16.50   |
|                     |         |                     | 142   | 5710        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         | 2 Tx HT40 STBC/SDM  | 102   | 5510        | 12.00                                                                  | 12.00   |         | 12.00                                                   | 12.00   |         |
|                     |         |                     | 110   | 5550        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 118   | 5590        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 126   | 5630        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 134   | 5670        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 15.50   |         |
|                     |         |                     | 142   | 5710        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11n | 2 TX HT40 STBC/SDM  | 102   | 5510        |                                                                        | 11.00   | 11.00   |                                                         | 11.00   | 11.00   |
|                     |         |                     | 110   | 5550        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 118   | 5590        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 126   | 5630        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 134   | 5670        |                                                                        | 16.00   | 16.00   |                                                         | 15.50   | 16.00   |
|                     |         |                     | 142   | 5710        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 102   | 5510        |                                                                        | 12.00   | 12.00   |                                                         | 12.00   | 12.00   |
|                     |         |                     | 110   | 5550        |                                                                        | 19.00   | 19.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 118   | 5590        |                                                                        | 19.00   | 19.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 126   | 5630        |                                                                        | 19.00   | 19.00   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 134   | 5670        |                                                                        | 16.50   | 16.50   |                                                         | 15.50   | 16.50   |
|                     |         |                     | 142   | 5710        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |         | 2 Tx HT40 TXBF      | 102   | 5510        | 11.00                                                                  | 11.00   |         | 11.00                                                   | 11.00   |         |
|                     |         |                     | 110   | 5550        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 118   | 5590        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 126   | 5630        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 134   | 5670        | 16.00                                                                  | 16.00   |         | 16.00                                                   | 15.50   |         |
|                     |         |                     | 142   | 5710        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |         |                     | 102   | 5510        | 11.00                                                                  |         | 11.00   | 11.00                                                   |         | 11.00   |
|                     |         |                     | 110   | 5550        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 118   | 5590        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 126   | 5630        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |         |                     | 134   | 5670        | 16.00                                                                  |         | 16.00   | 16.00                                                   |         | 16.00   |
|                     |         |                     | 142   | 5710        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |         | 3 Tx HT40 CDD       | 102   | 5510        |                                                                        | 11.00   | 11.00   |                                                         | 11.00   | 11.00   |
|                     |         |                     | 110   | 5550        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 118   | 5590        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 126   | 5630        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |         |                     | 134   | 5670        |                                                                        | 16.00   | 16.00   |                                                         | 15.50   | 16.00   |
|                     |         |                     | 142   | 5710        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |         | 3 Tx HT40 STBC/SDM  | 102   | 5510        | 12.00                                                                  | 12.00   | 12.00   | 12.00                                                   | 12.00   | 12.00   |
|                     |         |                     | 110   | 5550        | 19.00                                                                  | 19.00   | 19.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 118   | 5590        | 19.00                                                                  | 19.00   | 19.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         |                     | 126   | 5630        | 19.00                                                                  | 19.00   | 19.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |         | 3 Tx HT40 TXBF      | 102   | 5510        | 11.00                                                                  | 11.00   | 11.00   | 11.00                                                   | 11.00   | 11.00   |
|                     |         |                     | 110   | 5550        | 14.75                                                                  | 14.75   | 14.75   | 14.75                                                   | 14.75   | 14.75   |
|                     |         |                     | 118   | 5590        | 14.75                                                                  | 14.75   | 14.75   | 14.75                                                   | 14.75   | 14.75   |
|                     |         |                     | 126   | 5630        | 14.75                                                                  | 14.75   | 14.75   | 14.75                                                   | 14.75   | 14.75   |
|                     |         |                     | 134   | 5670        | 14.75                                                                  | 14.75   | 14.75   | 14.75                                                   | 14.75   | 14.75   |
|                     |         |                     | 142   | 5710        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |

## Wi-Fi 5.5 GHz Band

| Band (GHz)          | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11n | 3 Tx HT40 TXBF      | 100   | 5500        | 17.00                                                                  |         |         | 17.00                                                   |         |         |
|                     |         |                     | 104   | 5520        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 108   | 5540        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 112   | 5560        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 116   | 5580        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 120   | 5600        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 124   | 5620        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 128   | 5640        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 136   | 5680        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 140   | 5700        | 16.25                                                                  |         |         | 16.25                                                   |         |         |
|                     |         |                     | 144   | 5720        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         | 1 Tx VHT20 SISO     | 100   | 5500        |                                                                        | 17.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 104   | 5520        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 108   | 5540        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 112   | 5560        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 116   | 5580        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 120   | 5600        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 124   | 5620        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 128   | 5640        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 136   | 5680        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 140   | 5700        |                                                                        | 16.25   |         |                                                         | 15.50   |         |
|                     |         |                     | 144   | 5720        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 100   | 5500        |                                                                        |         | 17.00   |                                                         |         | 16.75   |
|                     |         |                     | 104   | 5520        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 108   | 5540        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 112   | 5560        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 116   | 5580        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 120   | 5600        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 124   | 5620        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 128   | 5640        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 136   | 5680        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 140   | 5700        |                                                                        |         | 16.25   |                                                         |         | 16.25   |
|                     |         |                     | 144   | 5720        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         | 1 Tx VHT40 SISO     | 102   | 5510        | 16.00                                                                  |         |         | 16.00                                                   |         |         |
|                     |         |                     | 110   | 5550        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 118   | 5590        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 126   | 5630        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 134   | 5670        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 142   | 5710        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |         |                     | 102   | 5510        |                                                                        | 16.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 110   | 5550        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 118   | 5590        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 126   | 5630        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 134   | 5670        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 142   | 5710        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |         |                     | 102   | 5510        |                                                                        |         | 16.00   |                                                         |         | 16.00   |
|                     |         |                     | 110   | 5550        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 118   | 5590        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 126   | 5630        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 134   | 5670        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |         |                     | 142   | 5710        |                                                                        |         | 18.00   |                                                         |         | 16.75   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11ac | 1 Tx VHT80          | 106   | 5530        | 12.75                                                                  |         |         | 12.75                                                   |         |         |
|                     |          |                     | 122   | 5610        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |          |                     | 138   | 5690        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                     |          |                     | 106   | 5530        |                                                                        | 12.75   |         |                                                         | 12.75   |         |
|                     |          |                     | 122   | 5610        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |          |                     | 138   | 5690        |                                                                        | 18.00   |         |                                                         | 15.50   |         |
|                     |          |                     | 106   | 5530        |                                                                        |         | 12.75   |                                                         |         | 12.75   |
|                     |          |                     | 122   | 5610        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |          |                     | 138   | 5690        |                                                                        |         | 18.00   |                                                         |         | 16.75   |
|                     |          | 2 Tx VHT 20 CDD     | 100   | 5500        | 16.00                                                                  | 16.00   |         | 16.00                                                   | 15.50   |         |
|                     |          |                     | 104   | 5520        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 108   | 5540        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 112   | 5560        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 116   | 5580        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 120   | 5600        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 124   | 5620        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 128   | 5640        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 136   | 5680        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 140   | 5700        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|                     |          |                     | 144   | 5720        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 100   | 5500        | 16.00                                                                  |         | 16.00   | 16.00                                                   |         | 16.00   |
|                     |          |                     | 104   | 5520        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 108   | 5540        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 112   | 5560        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 116   | 5580        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 120   | 5600        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 124   | 5620        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 128   | 5640        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 136   | 5680        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 140   | 5700        | 14.50                                                                  |         | 14.50   | 14.50                                                   |         | 14.50   |
|                     |          |                     | 144   | 5720        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 100   | 5500        |                                                                        | 16.00   | 16.00   |                                                         | 15.50   | 16.00   |
|                     |          |                     | 104   | 5520        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 108   | 5540        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 112   | 5560        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 116   | 5580        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 120   | 5600        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 124   | 5620        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 128   | 5640        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 136   | 5680        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 140   | 5700        |                                                                        | 14.50   | 14.50   |                                                         | 14.50   | 14.50   |
|                     |          |                     | 144   | 5720        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11ac | 2 Tx VHT20 STBC/SDM | 100   | 5500        | 16.00                                                                  | 16.00   |         | 16.00                                                   | 15.50   |         |
|                     |          |                     | 104   | 5520        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 108   | 5540        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 112   | 5560        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 116   | 5580        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 120   | 5600        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 124   | 5620        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 128   | 5640        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 136   | 5680        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 140   | 5700        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|                     |          |                     | 144   | 5720        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 100   | 5500        | 16.00                                                                  |         | 16.00   | 16.00                                                   |         | 16.00   |
|                     |          |                     | 104   | 5520        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 108   | 5540        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 112   | 5560        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 116   | 5580        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 120   | 5600        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 124   | 5620        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 128   | 5640        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 136   | 5680        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 140   | 5700        | 14.50                                                                  |         | 14.50   | 14.50                                                   |         | 14.50   |
|                     |          |                     | 144   | 5720        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          | 2 Tx VHT20 TXBF     | 100   | 5500        |                                                                        | 16.00   | 16.00   |                                                         | 15.50   | 16.00   |
|                     |          |                     | 104   | 5520        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 108   | 5540        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 112   | 5560        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 116   | 5580        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 120   | 5600        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 124   | 5620        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 128   | 5640        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 136   | 5680        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 140   | 5700        |                                                                        | 14.50   | 14.50   |                                                         | 14.50   | 14.50   |
|                     |          |                     | 144   | 5720        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 100   | 5500        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 104   | 5520        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 108   | 5540        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 112   | 5560        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 116   | 5580        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 120   | 5600        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 124   | 5620        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 128   | 5640        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 136   | 5680        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 140   | 5700        | 15.50                                                                  | 15.50   |         | 15.50                                                   | 15.50   |         |
|                     |          |                     | 144   | 5720        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |

## Wi-Fi 5.5 GHz Band

| Band (GHz)          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11ac | 2 Tx VHT20 TXBF     | 100   | 5500        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 104   | 5520        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 108   | 5540        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 112   | 5560        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 116   | 5580        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 120   | 5600        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 124   | 5620        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 128   | 5640        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 136   | 5680        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 140   | 5700        | 15.50                                                                  |         | 15.50   | 15.50                                                   |         | 15.50   |
|                     |          |                     | 144   | 5720        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 100   | 5500        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 104   | 5520        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 108   | 5540        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 112   | 5560        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 116   | 5580        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 120   | 5600        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 124   | 5620        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 128   | 5640        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 136   | 5680        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 140   | 5700        |                                                                        | 15.50   | 15.50   |                                                         | 15.50   | 15.50   |
|                     |          |                     | 144   | 5720        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          | 3 Tx VHT20 CDD      | 100   | 5500        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 104   | 5520        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 108   | 5540        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 112   | 5560        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 116   | 5580        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 120   | 5600        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 124   | 5620        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 128   | 5640        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 136   | 5680        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 140   | 5700        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                     |          |                     | 144   | 5720        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          | 3 Tx VHT20 STBC/SDM | 100   | 5500        | 16.00                                                                  | 16.00   | 16.00   | 16.00                                                   | 15.50   | 16.00   |
|                     |          |                     | 104   | 5520        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 108   | 5540        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 112   | 5560        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 116   | 5580        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 120   | 5600        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 124   | 5620        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 128   | 5640        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 136   | 5680        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 140   | 5700        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                     |          |                     | 144   | 5720        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11ac | 3 Tx VHT20 TXBF     | 100   | 5500        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 104   | 5520        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 108   | 5540        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 112   | 5560        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 116   | 5580        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 120   | 5600        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 124   | 5620        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 128   | 5640        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 136   | 5680        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 140   | 5700        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          |                     | 144   | 5720        | 15.50                                                                  | 15.50   | 15.50   | 15.50                                                   | 15.50   | 15.50   |
|                     |          | 2 Tx VHT40 CDD      | 102   | 5510        | 12.00                                                                  | 12.00   |         | 12.00                                                   | 12.00   |         |
|                     |          |                     | 110   | 5550        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 118   | 5590        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 126   | 5630        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 134   | 5670        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 15.50   |         |
|                     |          |                     | 142   | 5710        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 102   | 5510        | 12.00                                                                  |         | 12.00   | 12.00                                                   |         | 12.00   |
|                     |          |                     | 110   | 5550        | 19.00                                                                  |         | 19.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 118   | 5590        | 19.00                                                                  |         | 19.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 126   | 5630        | 19.00                                                                  |         | 19.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 134   | 5670        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                     |          |                     | 142   | 5710        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          | 2 Tx VHT40 STBC/SDM | 102   | 5510        | 12.00                                                                  | 12.00   |         | 12.00                                                   | 12.00   |         |
|                     |          |                     | 110   | 5550        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 118   | 5590        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 126   | 5630        | 19.00                                                                  | 19.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 134   | 5670        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 15.50   |         |
|                     |          |                     | 142   | 5710        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 102   | 5510        | 12.00                                                                  |         | 12.00   | 12.00                                                   |         | 12.00   |
|                     |          |                     | 110   | 5550        | 19.00                                                                  |         | 19.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 118   | 5590        | 19.00                                                                  |         | 19.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 126   | 5630        | 19.00                                                                  |         | 19.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 134   | 5670        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                     |          |                     | 142   | 5710        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 102   | 5510        |                                                                        | 12.00   | 12.00   |                                                         | 12.00   | 12.00   |
|                     |          |                     | 110   | 5550        |                                                                        | 19.00   | 19.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 118   | 5590        |                                                                        | 19.00   | 19.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 126   | 5630        |                                                                        | 19.00   | 19.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 134   | 5670        |                                                                        | 16.50   | 16.50   |                                                         | 15.50   | 16.50   |
|                     |          |                     | 142   | 5710        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11ac | 2 Tx VHT40 TXBF     | 102   | 5510        | 11.00                                                                  | 11.00   |         | 11.00                                                   | 11.00   |         |
|                     |          |                     | 110   | 5550        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 118   | 5590        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 126   | 5630        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 134   | 5670        | 16.00                                                                  | 16.00   |         | 16.00                                                   | 15.50   |         |
|                     |          |                     | 142   | 5710        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 102   | 5510        | 11.00                                                                  |         | 11.00   | 11.00                                                   |         | 11.00   |
|                     |          |                     | 110   | 5550        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 118   | 5590        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 126   | 5630        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 134   | 5670        | 16.00                                                                  |         | 16.00   | 16.00                                                   |         | 16.00   |
|                     |          |                     | 142   | 5710        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 102   | 5510        |                                                                        | 11.00   | 11.00   |                                                         | 11.00   | 11.00   |
|                     |          |                     | 110   | 5550        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 118   | 5590        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 126   | 5630        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 134   | 5670        |                                                                        | 16.00   | 16.00   |                                                         | 15.50   | 16.00   |
|                     |          |                     | 142   | 5710        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |          | 3 TX VHT40 CDD      | 102   | 5510        | 12.00                                                                  | 12.00   | 12.00   | 12.00                                                   | 12.00   | 12.00   |
|                     |          |                     | 110   | 5550        | 19.00                                                                  | 19.00   | 19.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 118   | 5590        | 19.00                                                                  | 19.00   | 19.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 126   | 5630        | 19.00                                                                  | 19.00   | 19.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 134   | 5670        | 16.50                                                                  | 16.50   | 16.50   | 16.50                                                   | 15.50   | 16.50   |
|                     |          | 3 Tx VHT40 STBC/SDM | 102   | 5510        | 12.00                                                                  | 12.00   | 12.00   | 12.00                                                   | 12.00   | 12.00   |
|                     |          |                     | 110   | 5550        | 19.00                                                                  | 19.00   | 19.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 118   | 5590        | 19.00                                                                  | 19.00   | 19.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 126   | 5630        | 19.00                                                                  | 19.00   | 19.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 134   | 5670        | 16.50                                                                  | 16.50   | 16.50   | 16.50                                                   | 15.50   | 16.50   |
|                     |          | 3 Tx VHT40 TXBF     | 142   | 5710        | 16.25                                                                  | 16.25   | 16.25   | 16.25                                                   | 15.50   | 16.25   |
|                     |          |                     | 102   | 5510        | 11.00                                                                  | 11.00   | 11.00   | 11.00                                                   | 11.00   | 11.00   |
|                     |          |                     | 110   | 5550        | 14.75                                                                  | 14.75   | 14.75   | 14.75                                                   | 14.75   | 14.75   |
|                     |          |                     | 118   | 5590        | 14.75                                                                  | 14.75   | 14.75   | 14.75                                                   | 14.75   | 14.75   |
|                     |          |                     | 126   | 5630        | 14.75                                                                  | 14.75   | 14.75   | 14.75                                                   | 14.75   | 14.75   |
|                     |          | 2 Tx VHT80 CDD      | 134   | 5670        | 14.75                                                                  | 14.75   | 14.75   | 14.75                                                   | 14.75   | 14.75   |
|                     |          |                     | 142   | 5710        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                     |          |                     | 106   | 5530        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                     |          |                     | 122   | 5610        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 138   | 5690        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 106   | 5530        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                     |          |                     | 122   | 5610        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 138   | 5690        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 106   | 5530        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                     |          |                     | 122   | 5610        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 138   | 5690        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |

**Wi-Fi 5.5 GHz Band**

| Band (GHz)          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|---------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                     |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                     |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.5 (OFDM) U-NII-2C | 802.11ac | 2 Tx VHT80 STBC/SDM | 106   | 5530        | 12.50                                                                  | 12.50   |         | 12.50                                                   | 12.50   |         |
|                     |          |                     | 122   | 5610        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 138   | 5690        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 106   | 5530        | 12.50                                                                  |         | 12.50   | 12.50                                                   |         | 12.50   |
|                     |          |                     | 122   | 5610        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 138   | 5690        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 106   | 5530        |                                                                        | 12.50   | 12.50   |                                                         | 12.50   | 12.50   |
|                     |          |                     | 122   | 5610        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          |                     | 138   | 5690        |                                                                        | 18.00   | 18.00   |                                                         | 15.50   | 16.75   |
|                     |          | 2 Tx VHT80 TXBF     | 106   | 5530        | 11.00                                                                  | 11.00   |         | 11.00                                                   | 11.00   |         |
|                     |          |                     | 122   | 5610        | 16.00                                                                  | 16.00   |         | 16.00                                                   | 15.50   |         |
|                     |          |                     | 138   | 5690        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 15.50   |         |
|                     |          |                     | 106   | 5530        | 11.00                                                                  |         | 11.00   | 11.00                                                   |         | 11.00   |
|                     |          |                     | 122   | 5610        | 16.00                                                                  |         | 16.00   | 16.00                                                   |         | 16.00   |
|                     |          |                     | 138   | 5690        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 16.75   |
|                     |          |                     | 106   | 5530        |                                                                        | 11.00   | 11.00   |                                                         | 11.00   | 11.00   |
|                     |          |                     | 122   | 5610        |                                                                        | 16.00   | 16.00   |                                                         | 15.50   | 16.00   |
|                     |          |                     | 138   | 5690        |                                                                        | 17.50   | 17.50   |                                                         | 15.50   | 16.75   |
|                     |          | 3 Tx VHT80 CDD      | 106   | 5530        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                     |          |                     | 122   | 5610        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 138   | 5690        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          | 3 Tx VHT80 STBC/SDM | 106   | 5530        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                     |          |                     | 122   | 5610        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          |                     | 138   | 5690        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |
|                     |          | 3 Tx VHT80 TXBF     | 106   | 5530        | 11.00                                                                  | 11.00   | 11.00   | 11.00                                                   | 11.00   | 11.00   |
|                     |          |                     | 122   | 5610        | 14.75                                                                  | 14.75   | 14.75   | 14.75                                                   | 14.75   | 14.75   |
|                     |          |                     | 138   | 5690        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 15.50   | 16.75   |

**Note(s):**

1) The "Original Approval" power levels were based upon FCC modular approval testing of the BCM943602CS radio. These power levels were approved up to maximum regulatory levels to cover a number of different potential applications.

The original maximum regulatory power levels may be reduced further by the driver for one of the following two reasons:

- a) For performance (i.e. non-regulatory) reasons to ensure that PER and EVM of the radio meet internal specifications.
- b) For application specifics. In this case the power is reduced to meet the specific SAR requirement per transmit chain over frequency band/channel. SAR specifics are addressed in a Class II permissive change as applicable.

2) The 11n 2Tx,3Tx HT20/HT40 "All" modes detailed apply to all of the CDD/STBC/SDM non-transmit beamforming modes.

**Wi-Fi 5.8 GHz Band**

| Band (GHz)         | Mode    | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|---------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |         |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |         |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.8 (OFDM) U-NII-3 | 802.11a | 1 Tx                | 149   | 5745        | 16.00                                                                  |         |         | 16.00                                                   |         |         |
|                    |         |                     | 153   | 5765        | 21.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |         |                     | 157   | 5785        | 21.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |         |                     | 161   | 5805        | 21.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |         |                     | 165   | 5825        | 20.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |         |                     | 149   | 5745        |                                                                        | 16.00   |         |                                                         | 16.00   |         |
|                    |         |                     | 153   | 5765        |                                                                        | 21.50   |         |                                                         | 16.50   |         |
|                    |         |                     | 157   | 5785        |                                                                        | 21.50   |         |                                                         | 16.50   |         |
|                    |         |                     | 161   | 5805        |                                                                        | 21.50   |         |                                                         | 16.50   |         |
|                    |         |                     | 165   | 5825        |                                                                        | 20.50   |         |                                                         | 16.50   |         |
|                    |         |                     | 149   | 5745        |                                                                        |         | 16.00   |                                                         |         | 16.00   |
|                    |         |                     | 153   | 5765        |                                                                        |         | 21.50   |                                                         |         | 18.50   |
|                    |         |                     | 157   | 5785        |                                                                        |         | 21.50   |                                                         |         | 18.50   |
|                    |         |                     | 161   | 5805        |                                                                        |         | 21.50   |                                                         |         | 18.50   |
|                    |         |                     | 165   | 5825        |                                                                        |         | 20.50   |                                                         |         | 18.50   |
|                    |         | 2 Tx CDD            | 149   | 5745        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.50   |         |
|                    |         |                     | 153   | 5765        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |         |                     | 157   | 5785        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |         |                     | 161   | 5805        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |         |                     | 165   | 5825        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.50   |         |
|                    |         |                     | 149   | 5745        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.50   |
|                    |         |                     | 153   | 5765        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |         |                     | 157   | 5785        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |         |                     | 161   | 5805        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |         |                     | 165   | 5825        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.50   |
|                    |         |                     | 149   | 5745        |                                                                        | 17.50   | 17.50   |                                                         | 16.50   | 17.50   |
|                    |         |                     | 153   | 5765        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |         |                     | 157   | 5785        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |         |                     | 161   | 5805        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |         |                     | 165   | 5825        |                                                                        | 17.50   | 17.50   |                                                         | 16.50   | 17.50   |
|                    |         | 2 Tx TXBF           | 149   | 5745        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 16.50   |         |
|                    |         |                     | 153   | 5765        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |         |                     | 157   | 5785        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |         |                     | 161   | 5805        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |         |                     | 165   | 5825        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 16.50   |         |
|                    |         |                     | 149   | 5745        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                    |         |                     | 153   | 5765        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |         |                     | 157   | 5785        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |         |                     | 161   | 5805        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |         |                     | 165   | 5825        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 18.00   |

**Wi-Fi 5.8 GHz Band**

| Band (GHz)         | Mode    | No. of Transmitters    | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|---------|------------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |         |                        |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |         |                        |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.8 (OFDM) U-NII-3 | 802.11a | 2 TXBF                 | 149   | 5745        |                                                                        | 16.50   | 16.50   |                                                         | 16.50   | 16.50   |
|                    |         |                        | 153   | 5765        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |         |                        | 157   | 5785        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |         |                        | 161   | 5805        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |         |                        | 165   | 5825        |                                                                        | 18.00   | 18.00   |                                                         | 16.50   | 18.00   |
|                    |         | 3 Tx CDD               | 149   | 5745        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 16.50   | 18.00   |
|                    |         |                        | 153   | 5765        | 21.00                                                                  | 21.00   | 21.00   | 18.50                                                   | 16.50   | 18.50   |
|                    |         |                        | 157   | 5785        | 21.00                                                                  | 21.00   | 21.00   | 18.50                                                   | 16.50   | 18.50   |
|                    |         |                        | 161   | 5805        | 21.00                                                                  | 21.00   | 21.00   | 18.50                                                   | 16.50   | 18.50   |
|                    |         |                        | 165   | 5825        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 16.50   | 18.00   |
|                    | 802.11n | 1 Tx SISO HT20         | 149   | 5745        | 16.00                                                                  |         |         | 16.00                                                   |         |         |
|                    |         |                        | 153   | 5765        | 21.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |         |                        | 157   | 5785        | 21.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |         |                        | 161   | 5805        | 21.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |         |                        | 165   | 5825        | 20.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |         |                        | 149   | 5745        |                                                                        | 16.00   |         |                                                         | 16.00   |         |
|                    |         |                        | 153   | 5765        |                                                                        | 21.50   |         |                                                         | 16.50   |         |
|                    |         |                        | 157   | 5785        |                                                                        | 21.50   |         |                                                         | 16.50   |         |
|                    |         |                        | 161   | 5805        |                                                                        | 21.50   |         |                                                         | 16.50   |         |
|                    |         |                        | 165   | 5825        |                                                                        | 20.50   |         |                                                         | 16.50   |         |
|                    |         |                        | 149   | 5745        |                                                                        |         | 16.00   |                                                         |         | 16.00   |
|                    |         |                        | 153   | 5765        |                                                                        |         | 21.50   |                                                         |         | 18.50   |
|                    |         |                        | 157   | 5785        |                                                                        |         | 21.50   |                                                         |         | 18.50   |
|                    |         |                        | 161   | 5805        |                                                                        |         | 21.50   |                                                         |         | 18.50   |
|                    |         |                        | 165   | 5825        |                                                                        |         | 20.50   |                                                         |         | 18.50   |
|                    |         | 2 Tx HT20 CDD/STBC/SDM | 149   | 5745        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.50   |         |
|                    |         |                        | 157   | 5785        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |         |                        | 165   | 5825        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.50   |         |
|                    |         |                        | 149   | 5745        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.50   |
|                    |         |                        | 157   | 5785        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |         |                        | 165   | 5825        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.50   |
|                    |         |                        | 149   | 5745        |                                                                        | 17.50   | 17.50   |                                                         | 16.50   | 17.50   |
|                    |         |                        | 157   | 5785        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |         |                        | 165   | 5825        |                                                                        | 17.50   | 17.50   |                                                         | 16.50   | 17.50   |
|                    |         | 2 Tx HT20 TXBF         | 149   | 5745        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 16.50   |         |
|                    |         |                        | 157   | 5785        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |         |                        | 165   | 5825        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 16.50   |         |
|                    |         |                        | 149   | 5745        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                    |         |                        | 157   | 5785        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |         |                        | 165   | 5825        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 18.00   |
|                    |         |                        | 149   | 5745        |                                                                        | 16.50   | 16.50   |                                                         | 16.50   | 16.50   |
|                    |         |                        | 157   | 5785        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |         |                        | 165   | 5825        |                                                                        | 18.00   | 18.00   |                                                         | 16.50   | 18.00   |

## Wi-Fi 5.8 GHz Band

| Band (GHz)         | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|----------|---------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |          |                     |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |          |                     |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.8 (OFDM) U-NII-3 | 802.11n  | 3 Tx HT20 CDD/      | 149   | 5745        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |          |                     | 157   | 5785        | 21.00                                                                  | 21.00   | 21.00   | 18.50                                                   | 16.50   | 18.50   |
|                    |          |                     | 165   | 5825        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.50   | 17.50   |
|                    |          | 3 Tx HT20 STBC/SDM  | 149   | 5745        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |          |                     | 157   | 5785        | 21.00                                                                  | 21.00   | 21.00   | 18.50                                                   | 16.50   | 18.50   |
|                    |          |                     | 165   | 5825        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.50   | 17.50   |
|                    |          | 3 Tx HT20 TXBF      | 149   | 5745        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |          |                     | 157   | 5785        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 16.50   | 18.00   |
|                    |          |                     | 165   | 5825        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 16.50   | 18.00   |
|                    |          | 1 Tx HT40 SISO      | 151   | 5755        | 14.50                                                                  |         |         | 14.50                                                   |         |         |
|                    |          |                     | 159   | 5795        | 18.00                                                                  |         |         | 18.00                                                   |         |         |
|                    |          |                     | 151   | 5755        |                                                                        | 14.50   |         |                                                         | 14.50   |         |
|                    |          |                     | 159   | 5795        |                                                                        | 18.00   |         |                                                         | 16.50   |         |
|                    |          |                     | 151   | 5755        |                                                                        |         | 14.50   |                                                         |         | 14.50   |
|                    |          |                     | 159   | 5795        |                                                                        |         | 18.00   |                                                         |         | 18.00   |
|                    |          | 2 Tx HT40 CDD       | 151   | 5755        | 15.00                                                                  | 15.00   |         | 15.00                                                   | 15.00   |         |
|                    |          |                     | 159   | 5795        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.50   |         |
|                    |          |                     | 151   | 5755        | 15.00                                                                  |         | 15.00   | 15.00                                                   |         | 15.00   |
|                    |          |                     | 159   | 5795        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.50   |
|                    |          |                     | 151   | 5755        |                                                                        | 15.00   | 15.00   |                                                         | 15.00   | 15.00   |
|                    |          |                     | 159   | 5795        |                                                                        | 17.50   | 17.50   |                                                         | 16.50   | 17.50   |
|                    |          | 2 Tx HT40 TXBF      | 151   | 5755        | 15.50                                                                  | 15.50   |         | 15.50                                                   | 15.50   |         |
|                    |          |                     | 159   | 5795        | 18.00                                                                  | 18.00   |         | 18.00                                                   | 16.50   |         |
|                    |          |                     | 151   | 5755        | 15.50                                                                  |         | 15.50   | 15.50                                                   |         | 15.50   |
|                    |          |                     | 159   | 5795        | 18.00                                                                  |         | 18.00   | 18.00                                                   |         | 18.00   |
|                    |          |                     | 151   | 5755        |                                                                        | 15.50   | 15.50   |                                                         | 15.50   | 15.50   |
|                    |          |                     | 159   | 5795        |                                                                        | 18.00   | 18.00   |                                                         | 16.50   | 18.00   |
|                    |          | 3 Tx HT40 CDD       | 151   | 5755        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                    |          |                     | 159   | 5795        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.50   | 17.50   |
|                    |          | 3 Tx HT40 STBC/SDM  | 151   | 5755        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                    |          |                     | 159   | 5795        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.50   | 17.50   |
|                    |          | 3 Tx HT40 TXBF      | 151   | 5755        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |          |                     | 159   | 5795        | 18.00                                                                  | 18.00   | 18.00   | 18.00                                                   | 16.50   | 18.00   |
|                    | 802.11ac | 1 Tx VHT20 SISO     | 149   | 5745        | 16.00                                                                  |         |         | 16.00                                                   |         |         |
|                    |          |                     | 157   | 5785        | 21.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |          |                     | 165   | 5825        | 20.50                                                                  |         |         | 18.50                                                   |         |         |
|                    |          |                     | 149   | 5745        |                                                                        | 16.00   |         |                                                         | 16.00   |         |
|                    |          |                     | 157   | 5785        |                                                                        | 21.50   |         |                                                         | 16.50   |         |
|                    |          |                     | 165   | 5825        |                                                                        | 20.50   |         |                                                         | 16.50   |         |
|                    |          |                     | 149   | 5745        |                                                                        |         | 16.00   |                                                         |         | 16.00   |
|                    |          |                     | 157   | 5785        |                                                                        |         | 21.50   |                                                         |         | 18.50   |
|                    |          |                     | 165   | 5825        |                                                                        |         | 20.50   |                                                         |         | 18.50   |

**Wi-Fi 5.8 GHz Band**

| Band (GHz)         | Mode     | No. of Transmitters     | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|----------|-------------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |          |                         |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |          |                         |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.8 (OFDM) U-NII-3 | 802.11ac | 1 Tx VHT40 SISO         | 151   | 5755        | 14.50                                                                  |         |         | 14.50                                                   |         |         |
|                    |          |                         | 159   | 5795        | 18.00                                                                  |         |         | 17.50                                                   |         |         |
|                    |          |                         | 151   | 5755        |                                                                        | 14.50   |         |                                                         | 14.50   |         |
|                    |          |                         | 159   | 5795        |                                                                        | 18.00   |         |                                                         | 16.50   |         |
|                    |          |                         | 151   | 5755        |                                                                        |         | 14.50   |                                                         |         | 14.50   |
|                    |          |                         | 159   | 5795        |                                                                        |         | 18.00   |                                                         |         | 17.50   |
|                    |          | 1 Tx VHT80 SISO         | 155   | 5775        | 14.75                                                                  |         |         | 14.75                                                   |         |         |
|                    |          |                         | 155   | 5775        |                                                                        | 14.75   |         |                                                         | 14.75   |         |
|                    |          |                         | 155   | 5775        |                                                                        |         | 14.75   |                                                         |         | 14.75   |
|                    |          | 2 Tx VHT20 CDD/STBC/SDM | 149   | 5745        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.50   |         |
|                    |          |                         | 157   | 5785        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |          |                         | 165   | 5825        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.50   |         |
|                    |          |                         | 149   | 5745        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.50   |
|                    |          |                         | 157   | 5785        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |          |                         | 165   | 5825        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.50   |
|                    |          |                         | 149   | 5745        |                                                                        | 17.50   | 17.50   |                                                         | 16.50   | 17.50   |
|                    |          |                         | 157   | 5785        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |          |                         | 165   | 5825        |                                                                        | 17.50   | 17.50   |                                                         | 16.50   | 17.50   |
|                    |          | 2 Tx VHT20 TXBF         | 149   | 5745        | 16.50                                                                  | 16.50   |         | 16.50                                                   | 16.50   |         |
|                    |          |                         | 157   | 5785        | 21.00                                                                  | 21.00   |         | 18.50                                                   | 16.50   |         |
|                    |          |                         | 165   | 5825        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 16.50   |         |
|                    |          |                         | 149   | 5745        | 16.50                                                                  |         | 16.50   | 16.50                                                   |         | 16.50   |
|                    |          |                         | 157   | 5785        | 21.00                                                                  |         | 21.00   | 18.50                                                   |         | 18.50   |
|                    |          |                         | 165   | 5825        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 17.50   |
|                    |          |                         | 149   | 5745        |                                                                        | 16.50   | 16.50   |                                                         | 16.50   | 16.50   |
|                    |          |                         | 157   | 5785        |                                                                        | 21.00   | 21.00   |                                                         | 16.50   | 18.50   |
|                    |          |                         | 165   | 5825        |                                                                        | 18.00   | 18.00   |                                                         | 16.50   | 17.50   |
|                    |          | 3 Tx VHT20 CDD          | 149   | 5745        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |          |                         | 157   | 5785        | 21.00                                                                  | 21.00   | 21.00   | 18.50                                                   | 16.50   | 18.50   |
|                    |          |                         | 165   | 5825        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.50   | 17.50   |
|                    |          | 3 Tx VHT20 STBC/SDM     | 149   | 5745        | 14.50                                                                  | 14.50   | 14.50   | 14.50                                                   | 14.50   | 14.50   |
|                    |          |                         | 157   | 5785        | 21.00                                                                  | 21.00   | 21.00   | 18.50                                                   | 16.50   | 18.50   |
|                    |          |                         | 165   | 5825        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.50   | 17.50   |
|                    |          | 3 Tx VHT20 TXBF         | 149   | 5745        | 16.50                                                                  | 16.50   | 16.50   | 16.50                                                   | 16.50   | 16.50   |
|                    |          |                         | 157   | 5785        | 21.00                                                                  | 21.00   | 21.00   | 18.50                                                   | 16.50   | 18.50   |
|                    |          |                         | 165   | 5825        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 16.50   | 17.50   |

**Wi-Fi 5.8 GHz Band**

| Band (GHz)         | Mode     | No. of Transmitters     | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval <sup>1</sup> (dBm) |         |         | Maximum Target power setting from C2PC/A1398 Host (dBm) |         |         |
|--------------------|----------|-------------------------|-------|-------------|------------------------------------------------------------------------|---------|---------|---------------------------------------------------------|---------|---------|
|                    |          |                         |       |             | Wi-Fi 1                                                                | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                                                 | Wi-Fi 2 | Wi-Fi 3 |
|                    |          |                         |       |             | Chain 3                                                                | Chain 1 | Chain 2 | Chain 3                                                 | Chain 1 | Chain 2 |
| 5.8 (OFDM) U-NII-3 | 802.11ac | 2 Tx VHT40 CDD/STBC/SDM | 151   | 5755        | 15.00                                                                  | 15.00   |         | 15.00                                                   | 15.00   |         |
|                    |          |                         | 159   | 5795        | 17.50                                                                  | 17.50   |         | 17.50                                                   | 16.50   |         |
|                    |          |                         | 151   | 5755        | 15.00                                                                  |         | 15.00   | 15.00                                                   |         | 15.00   |
|                    |          |                         | 159   | 5795        | 17.50                                                                  |         | 17.50   | 17.50                                                   |         | 17.50   |
|                    |          |                         | 151   | 5755        |                                                                        | 15.00   | 15.00   |                                                         | 15.00   | 15.00   |
|                    |          |                         | 159   | 5795        |                                                                        | 17.50   | 17.50   |                                                         | 16.50   | 17.50   |
|                    |          | 2 Tx VHT40 TXBF         | 151   | 5755        | 15.50                                                                  | 15.50   |         | 15.50                                                   | 15.50   |         |
|                    |          |                         | 159   | 5795        | 18.00                                                                  | 18.00   |         | 17.50                                                   | 16.50   |         |
|                    |          |                         | 151   | 5755        | 15.50                                                                  |         | 15.50   | 15.50                                                   |         | 15.50   |
|                    |          |                         | 159   | 5795        | 18.00                                                                  |         | 18.00   | 17.50                                                   |         | 17.50   |
|                    |          |                         | 151   | 5755        |                                                                        | 15.50   | 15.50   |                                                         | 15.50   | 15.50   |
|                    |          |                         | 159   | 5795        |                                                                        | 18.00   | 18.00   |                                                         | 16.50   | 18.00   |
|                    |          | 3 Tx VHT40 CDD          | 151   | 5755        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                    |          |                         | 159   | 5795        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.50   | 17.50   |
|                    |          | 3 Tx VHT40 STBC/SDM     | 151   | 5755        | 12.50                                                                  | 12.50   | 12.50   | 12.50                                                   | 12.50   | 12.50   |
|                    |          |                         | 159   | 5795        | 17.50                                                                  | 17.50   | 17.50   | 17.50                                                   | 16.50   | 17.50   |
|                    |          | 3 Tx VHT40 TXBF         | 151   | 5755        | 15.00                                                                  | 15.00   | 15.00   | 15.00                                                   | 15.00   | 15.00   |
|                    |          |                         | 159   | 5795        | 18.00                                                                  | 18.00   | 18.00   | 17.50                                                   | 16.50   | 17.50   |
|                    |          | 2Tx VHT80 CDD/STBC/SDM  | 155   | 5775        | 14.50                                                                  | 14.50   |         | 14.50                                                   | 14.50   |         |
|                    |          |                         | 155   | 5775        | 14.50                                                                  |         | 14.50   | 14.50                                                   |         | 14.50   |
|                    |          |                         | 155   | 5775        |                                                                        | 14.50   | 14.50   |                                                         | 14.50   | 14.50   |
|                    |          | 2 Tx VHT80 TXBF         | 155   | 5775        | 14.75                                                                  | 14.75   |         | 14.75                                                   | 14.75   |         |
|                    |          |                         | 155   | 5775        | 14.75                                                                  |         | 14.75   | 14.75                                                   |         | 14.75   |
|                    |          |                         | 155   | 5775        |                                                                        | 14.75   | 14.75   |                                                         | 14.75   | 14.75   |
|                    |          | 3 Tx VHT80 CDD          | 155   | 5775        | 13.00                                                                  | 13.00   | 13.00   | 13.00                                                   | 13.00   | 13.00   |
|                    |          | 3 Tx VHT80 STBC/SDM     | 155   | 5775        | 13.00                                                                  | 13.00   | 13.00   | 13.00                                                   | 13.00   | 13.00   |

**Note(s):**

1) The "Original Approval" power levels were based upon FCC modular approval testing of the BCM943602CS radio. These power levels were approved up to maximum regulatory levels to cover a number of different potential applications.

The original maximum regulatory power levels may be reduced further by the driver for one of the following two reasons:

a) For performance (i.e. non-regulatory) reasons to ensure that PER and EVM of the radio meet internal specifications.

b) For application specifics. In this case the power is reduced to meet the specific SAR requirement per transmit chain over frequency band/channel. SAR specifics are addressed in a Class II permissive change as applicable.

2) The 11n 2Tx,3Tx HT20/HT40 "All" modes detailed apply to all of the CDD/STBC/SDM non-transmit beamforming modes.

## 6.5. Bluetooth Maximum Output Power

| Band<br>(GHz) | Mode                | Ch # | Freq.<br>(MHz) | Maximum Target power setting from<br>Original Approval <sup>1</sup><br>(dBm) | Maximum Target power setting from<br>C2PC/ A1398 Host<br>(dBm) |
|---------------|---------------------|------|----------------|------------------------------------------------------------------------------|----------------------------------------------------------------|
|               |                     |      |                | Wi-Fi 3                                                                      | Wi-Fi 3                                                        |
|               |                     |      |                | Chain 2                                                                      | Chain 2                                                        |
| 2.4           | V1.8+ EDR,<br>GFSK  | 0    | 2402           | 9.0                                                                          | 9.0                                                            |
|               |                     | 39   | 2441           | 9.0                                                                          | 9.0                                                            |
|               |                     | 78   | 2480           | 9.0                                                                          | 9.0                                                            |
|               | V1.8 + EDR,<br>QPSK | 0    | 2402           | 5.5                                                                          | 5.5                                                            |
|               |                     | 39   | 2441           | 5.5                                                                          | 5.5                                                            |
|               |                     | 78   | 2480           | 5.5                                                                          | 5.5                                                            |
|               | V1.8 BLE,<br>8-DPSK | 0    | 2402           | 2.5                                                                          | 2.5                                                            |
|               |                     | 19   | 2440           | 2.5                                                                          | 2.5                                                            |
|               |                     | 39   | 2480           | 2.5                                                                          | 2.5                                                            |

## 6.6. Antenna Dimensions and Separation Distances

Refer to separate filing document.

## 7. RF Exposure Conditions (Test Configurations)

| Wireless technologies | RF Exposure Conditions | DUT-to-User Separation | Test Position | Antenna-to-edge/surface | SAR Required | Note |
|-----------------------|------------------------|------------------------|---------------|-------------------------|--------------|------|
| WLAN                  | Laptop                 | 5.99 mm                | Rear          | N/A                     | Yes          |      |

## 8. RF Output Power Measurement

### 8.1. Wi-Fi (2.4 GHz Band)

#### Output Power Measurement Considerations for Wi-Fi 2.4 GHz band

1. 2.4 GHz 802.11b DSSS:
  - Output power measurement is not required:
    - o When SAR Test Exclusion according to KDB 447498 D01 applies.
    - o When other power measurement reduction applies.
  - Otherwise, output power measurement is required on:
    - o Channels 1, 6, and 11, when the output power specified for other channels is no higher than the abovementioned channels.
    - o The closest adjacent channels to the aforementioned channels, when the output power specified for these adjacent channels is higher.
  - For ease of identification, 802.11b DSSS is identified as the Initial Test Configuration for the 2.4 GHz band.
2. 2.4 GHz 802.11g/n OFDM
  - Output power measurement is not required:
    - o When SAR Test Exclusion according to KDB 447498 D01 applies.
    - o When SAR Test Exclusion procedures for 2.4 GHz 802.11g/n OFDM applies, according to the SAR measurement results from 802.11b DSSS; see Section 11 of the report for details.
  - Otherwise, output power measurement is required for 2.4 GHz 802.11g/n OFDM, with the following considerations:
    - o If 40 MHz bandwidth configurations are supported, measure power for either Channel 6 or the highest specified output power channel.
    - o Output power measurement requirements for smaller bandwidth configurations are dependent on the SAR measurement results from the 40 MHz bandwidth configurations.
    - o If no 40 MHz bandwidth configurations are supported, then a channel selection process similar to 802.11b DSSS is applied.
  - The output power measurement is required for 2.4 GHz 802.11g/n OFDM as a result of 802.11b DSSS reported SAR results, the required test configurations in 2.4 GHz 802.11g/n OFDM are identified as Subsequent Test Configurations with respect to the Initial Test Configuration status assigned to 802.11b DSSS.
  - If, for a particular antenna or transmit diversity condition supported by the device, no 802.11b DSSS configurations are available, output power should also be measured as a default for 802.11g/n OFDM when SAR Test Exclusion according to KDB 447498 D01 does not apply; these 802.11g/n OFDM configurations are considered the Initial Test Configurations for the respective antenna/transmit diversity condition.

#### SAR Testing Determination as noted KDB 248227

1. Yes SAR Testing is required
2. No SAR Testing is not required

**WiFi 2.4 GHz Bands Measured Results**

| Band (GHz)               | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                          |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                          |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11b<br>(DSSS) | 1 Tx                | 1     | 2412        | 17.50                      |         |         | 17.50                     |         |         | Yes               |
|                          |                     | 2     | 2417        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                          |                     | 6     | 2437        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                          |                     | 10    | 2457        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                          |                     | 11    | 2462        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                          |                     | 12    | 2467        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                          |                     | 13    | 2472        | 15.00                      |         |         | 15.00                     |         |         |                   |
|                          |                     | 1     | 2412        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 2     | 2417        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 6     | 2437        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 10    | 2457        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 11    | 2462        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 12    | 2467        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 13    | 2472        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                          |                     | 1     | 2412        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                          |                     | 2     | 2417        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                          |                     | 6     | 2437        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                          |                     | 10    | 2457        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                          |                     | 11    | 2462        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                          |                     | 12    | 2467        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                          |                     | 13    | 2472        |                            |         | 15.00   |                           |         | 15.00   |                   |
|                          | 2 Tx<br>CDD         | 1     | 2412        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         | Yes               |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 9     | 2452        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 11    | 2462        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 12    | 2467        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 13    | 2472        | 15.00                      | 15.00   |         | 15.00                     | 15.00   |         |                   |
|                          |                     | 1     | 2412        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   | Yes               |
|                          |                     | 2     | 2417        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 9     | 2452        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 11    | 2462        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 12    | 2467        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 13    | 2472        | 15.00                      |         | 15.00   | 15.00                     |         | 15.00   |                   |

**Wi-Fi 2.4 GHz Bands Measured Results continued**

| Band (GHz)                      | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                 |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                 |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11b<br>Legacy (DSSS) | 2 Tx<br>CDD         | 1     | 2412        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   | Yes               |
|                                 |                     | 2     | 2417        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                                 |                     | 3     | 2422        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                                 |                     | 6     | 2437        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                                 |                     | 9     | 2452        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                                 |                     | 10    | 2457        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                                 |                     | 11    | 2462        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                                 |                     | 12    | 2467        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                                 |                     | 13    | 2472        |                            | 15.00   | 15.00   |                           | 15.00   | 15.00   |                   |
|                                 | 3 Tx<br>CDD         | 1     | 2412        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   | Yes               |
|                                 |                     | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                                 |                     | 3     | 2422        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                                 |                     | 6     | 2437        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                                 |                     | 9     | 2452        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                                 |                     | 10    | 2457        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                                 |                     | 11    | 2462        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                                 |                     | 12    | 2467        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                                 |                     | 13    | 2472        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
| 2.4<br>802.11g<br>(OFDM)        | 1 Tx                | 1     | 2412        | 17.50                      |         |         | 17.50                     |         |         | No                |
|                                 |                     | 2     | 2417        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                 |                     | 6     | 2437        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                 |                     | 10    | 2457        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                 |                     | 11    | 2462        | 16.00                      |         |         | 16.00                     |         |         |                   |
|                                 |                     | 12    | 2467        | 13.00                      |         |         | 13.00                     |         |         |                   |
|                                 |                     | 13    | 2472        | 9.00                       |         |         | 9.00                      |         |         |                   |
|                                 |                     | 1     | 2412        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                                 |                     | 2     | 2417        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                                 |                     | 6     | 2437        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                                 |                     | 10    | 2457        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                                 |                     | 11    | 2462        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                                 |                     | 12    | 2467        |                            | 13.00   |         |                           | 13.00   |         |                   |
|                                 |                     | 13    | 2472        |                            | 9.00    |         |                           | 9.00    |         |                   |
|                                 |                     | 1     | 2412        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                                 |                     | 2     | 2417        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                                 |                     | 6     | 2437        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                                 |                     | 10    | 2457        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                                 |                     | 11    | 2462        |                            |         | 16.00   |                           |         | 16.00   |                   |
|                                 |                     | 12    | 2467        |                            |         | 13.00   |                           |         | 13.00   |                   |
|                                 |                     | 13    | 2472        |                            |         | 9.00    |                           |         | 9.00    |                   |

**Wi-Fi 2.4 GHz Bands Measured Results continued**

| Band (GHz)               | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                          |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                          |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11g<br>(OFDM) | 2 Tx<br>CDD         | 1     | 2412        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         | No                |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 9     | 2452        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 11    | 2462        | 13.50                      | 13.50   |         | 13.50                     | 13.50   |         |                   |
|                          |                     | 12    | 2467        | 11.25                      | 11.25   |         | 11.25                     | 11.25   |         |                   |
|                          |                     | 13    | 2472        | 7.50                       | 7.50    |         | 7.50                      | 7.50    |         |                   |
|                          |                     | 1     | 2412        | 14.50                      |         | 14.50   | 14.50                     |         | 14.50   | No                |
|                          |                     | 2     | 2417        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 9     | 2452        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 11    | 2462        | 13.50                      |         | 13.50   | 13.50                     |         | 13.50   |                   |
|                          |                     | 12    | 2467        | 11.25                      |         | 11.25   | 11.25                     |         | 11.25   |                   |
|                          |                     | 13    | 2472        | 7.50                       |         | 7.50    | 7.50                      |         | 7.50    |                   |
|                          |                     | 1     | 2412        |                            | 14.50   | 14.50   |                           | 14.50   | 14.50   | No                |
|                          |                     | 2     | 2417        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        |                            | 13.50   | 13.50   |                           | 13.50   | 13.50   |                   |
|                          |                     | 12    | 2467        |                            | 11.25   | 11.25   |                           | 11.25   | 11.25   |                   |
|                          |                     | 13    | 2472        |                            | 7.50    | 7.50    |                           | 7.50    | 7.50    |                   |
| 2.4<br>802.11g<br>(OFDM) | 2 Tx<br>TXBF        | 1     | 2412        | 17.00                      | 16.00   |         | 17.00                     | 16.00   |         | No                |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 9     | 2452        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 11    | 2462        | 15.00                      | 15.00   |         | 15.00                     | 15.00   |         |                   |
|                          |                     | 12    | 2467        | 14.00                      | 14.00   |         | 14.00                     | 14.00   |         |                   |
|                          |                     | 13    | 2472        | 9.50                       | 9.50    |         | 9.50                      | 9.50    |         |                   |

**Wi-Fi 2.4 GHz Bands Measured Results continued**

| Band (GHz)               | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                          |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                          |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11g<br>(OFDM) | 2 Tx<br>TXBF        | 1     | 2412        | 17.00                      |         | 17.00   | 17.00                     |         | 17.00   | No                |
|                          |                     | 2     | 2417        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 9     | 2452        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 11    | 2462        | 15.00                      |         | 15.00   | 15.00                     |         | 15.00   |                   |
|                          |                     | 12    | 2467        | 14.00                      |         | 14.00   | 14.00                     |         | 14.00   |                   |
|                          |                     | 13    | 2472        | 9.50                       |         | 9.50    | 9.50                      |         | 9.50    |                   |
|                          |                     | 1     | 2412        |                            | 16.00   | 17.00   |                           | 16.00   | 17.00   | No                |
|                          |                     | 2     | 2417        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        |                            | 15.00   | 15.00   |                           | 15.00   | 15.00   |                   |
|                          |                     | 12    | 2467        |                            | 14.00   | 14.00   |                           | 14.00   | 14.00   |                   |
|                          |                     | 13    | 2472        |                            | 9.50    | 9.50    |                           | 9.50    | 9.50    |                   |
|                          | 3 Tx<br>CDD         | 1     | 2412        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        | 13.50                      | 13.50   | 13.50   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        | 11.25                      | 11.25   | 11.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        | 7.50                       | 7.50    | 7.50    | 13.50                     | 13.50   | 13.50   |                   |
|                          |                     | 12    | 2467        | 17.00                      | 16.00   | 17.00   | 11.25                     | 11.25   | 11.25   |                   |
|                          |                     | 13    | 2472        | 17.50                      | 16.00   | 17.25   | 7.50                      | 7.50    | 7.50    |                   |
|                          | 3 Tx<br>TXBF        | 1     | 2412        | 17.50                      | 16.00   | 17.25   | 17.00                     | 16.00   | 17.00   | No                |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        | 15.00                      | 15.00   | 15.00   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        | 14.00                      | 14.00   | 14.00   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        | 9.50                       | 9.50    | 9.50    | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                          |                     | 12    | 2467        | 14.00                      | 14.00   | 14.00   | 14.00                     | 14.00   | 14.00   |                   |
|                          |                     | 13    | 2472        | 9.50                       | 9.50    | 9.50    | 9.50                      | 9.50    | 9.50    |                   |

**Wi-Fi 2.4 GHz Bands Measured Results continued**

| Band (GHz)               | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                          |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                          |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11n<br>(OFDM) | 1 Tx                | 1     | 2412        | 17.50                      |         |         | 17.50                     |         |         | No                |
|                          |                     | 2     | 2417        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                          |                     | 6     | 2437        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                          |                     | 10    | 2457        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                          |                     | 11    | 2462        | 16.00                      |         |         | 16.00                     |         |         |                   |
|                          |                     | 12    | 2467        | 13.00                      |         |         | 13.00                     |         |         |                   |
|                          |                     | 13    | 2472        | 9.00                       |         |         | 9.00                      |         |         |                   |
|                          |                     | 1     | 2412        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 2     | 2417        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 6     | 2437        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 10    | 2457        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 11    | 2462        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                          |                     | 12    | 2467        |                            | 13.00   |         |                           | 13.00   |         |                   |
|                          |                     | 13    | 2472        |                            | 9.00    |         |                           | 9.00    |         |                   |
|                          |                     | 1     | 2412        |                            |         | 17.25   |                           |         | 17.25   | No                |
|                          |                     | 2     | 2417        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                          |                     | 6     | 2437        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                          |                     | 10    | 2457        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                          |                     | 11    | 2462        |                            |         | 16.00   |                           |         | 16.00   |                   |
|                          |                     | 12    | 2467        |                            |         | 13.00   |                           |         | 13.00   |                   |
|                          |                     | 13    | 2472        |                            |         | 9.00    |                           |         | 9.00    |                   |
|                          | 2 Tx<br>CDD         | 1     | 2412        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         | No                |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 9     | 2452        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 11    | 2462        | 13.50                      | 13.50   |         | 13.50                     | 13.50   |         |                   |
|                          |                     | 12    | 2467        | 11.25                      | 11.25   |         | 11.25                     | 11.25   |         |                   |
|                          |                     | 13    | 2472        | 7.50                       | 7.50    |         | 7.50                      | 7.50    |         |                   |
|                          |                     | 1     | 2412        | 14.50                      |         | 14.50   | 14.50                     |         | 14.50   | No                |
|                          |                     | 2     | 2417        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 9     | 2452        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 11    | 2462        | 13.50                      |         | 13.50   | 13.50                     |         | 13.50   |                   |
|                          |                     | 12    | 2467        | 11.25                      |         | 11.25   | 11.25                     |         | 11.25   |                   |
|                          |                     | 13    | 2472        | 7.50                       |         | 7.50    | 7.50                      |         | 7.50    |                   |
|                          |                     | 1     | 2412        |                            | 14.50   | 14.50   |                           | 14.50   | 14.50   | No                |
|                          |                     | 2     | 2417        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        |                            | 13.50   | 13.50   |                           | 13.50   | 13.50   |                   |
|                          |                     | 12    | 2467        |                            | 11.25   | 11.25   |                           | 11.25   | 11.25   |                   |
|                          |                     | 13    | 2472        |                            | 7.50    | 7.50    |                           | 7.50    | 7.50    |                   |

**Wi-Fi 2.4 GHz Bands Measured Results continued**

| Band (GHz)               | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                          |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                          |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11n<br>(OFDM) | 2 Tx<br>TXBF        | 1     | 2412        | 17.00                      | 16.00   |         | 17.00                     | 16.00   |         | No                |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 9     | 2452        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                          |                     | 11    | 2462        | 15.00                      | 15.00   |         | 15.00                     | 15.00   |         |                   |
|                          |                     | 12    | 2467        | 14.00                      | 14.00   |         | 14.00                     | 14.00   |         |                   |
|                          |                     | 13    | 2472        | 9.50                       | 9.50    |         | 9.50                      | 9.50    |         |                   |
|                          |                     | 1     | 2412        | 17.00                      |         | 17.00   | 17.00                     |         | 17.00   | No                |
|                          |                     | 2     | 2417        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 9     | 2452        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                          |                     | 11    | 2462        | 15.00                      |         | 15.00   | 15.00                     |         | 15.00   |                   |
|                          |                     | 12    | 2467        | 14.00                      |         | 14.00   | 14.00                     |         | 14.00   |                   |
|                          |                     | 13    | 2472        | 9.50                       |         | 9.50    | 9.50                      |         | 9.50    |                   |
|                          |                     | 1     | 2412        |                            | 16.00   | 17.00   |                           | 16.00   | 17.00   | No                |
|                          |                     | 2     | 2417        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        |                            | 15.00   | 15.00   |                           | 15.00   | 15.00   |                   |
|                          |                     | 12    | 2467        |                            | 14.00   | 14.00   |                           | 14.00   | 14.00   |                   |
|                          |                     | 13    | 2472        |                            | 9.50    | 9.50    |                           | 9.50    | 9.50    |                   |

**Wi-Fi 2.4 GHz Bands Measured Results continued**

| Band (GHz)               | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                          |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                          |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11n<br>(OFDM) | 3 Tx<br>CDD         | 1     | 2412        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        | 13.50                      | 13.50   | 13.50   | 13.50                     | 13.50   | 13.50   |                   |
|                          |                     | 12    | 2467        | 11.25                      | 11.25   | 11.25   | 11.25                     | 11.25   | 11.25   |                   |
|                          |                     | 13    | 2472        | 7.50                       | 7.50    | 7.50    | 7.50                      | 7.50    | 7.50    |                   |
|                          | 3 Tx<br>STBC        | 1     | 2412        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        | 13.50                      | 13.50   | 13.50   | 13.50                     | 13.50   | 13.50   |                   |
|                          |                     | 12    | 2467        | 11.25                      | 11.25   | 11.25   | 11.25                     | 11.25   | 11.25   |                   |
|                          |                     | 13    | 2472        | 7.50                       | 7.50    | 7.50    | 7.50                      | 7.50    | 7.50    |                   |
|                          | 3 Tx<br>SDM         | 1     | 2412        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        | 13.50                      | 13.50   | 13.50   | 13.50                     | 13.50   | 13.50   |                   |
|                          |                     | 12    | 2467        | 11.25                      | 11.25   | 11.25   | 11.25                     | 11.25   | 11.25   |                   |
|                          |                     | 13    | 2472        | 7.50                       | 7.50    | 7.50    | 7.50                      | 7.50    | 7.50    |                   |
|                          | 3 Tx<br>TXBF        | 1     | 2412        | 17.00                      | 16.00   | 17.00   | 17.00                     | 16.00   | 17.00   | Yes               |
|                          |                     | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 3     | 2422        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 6     | 2437        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 9     | 2452        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 10    | 2457        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                          |                     | 11    | 2462        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                          |                     | 12    | 2467        | 14.00                      | 14.00   | 14.00   | 14.00                     | 14.00   | 14.00   |                   |
|                          |                     | 13    | 2472        | 9.50                       | 9.50    | 9.50    | 9.50                      | 9.50    | 9.50    |                   |

**Wi-Fi 2.4 GHz Bands Measured Results continued**

| Band (GHz)                | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                           |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                           |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11ac<br>(OFDM) | 1 Tx<br>VHT20       | 1     | 2412        | 17.50                      |         |         | 17.50                     |         |         | No                |
|                           |                     | 2     | 2417        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                           |                     | 6     | 2437        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                           |                     | 10    | 2457        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                           |                     | 11    | 2462        | 16.00                      |         |         | 16.00                     |         |         |                   |
|                           |                     | 12    | 2467        | 13.00                      |         |         | 13.00                     |         |         |                   |
|                           |                     | 13    | 2472        | 9.00                       |         |         | 9.00                      |         |         |                   |
|                           |                     | 1     | 2412        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                           |                     | 2     | 2417        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                           |                     | 6     | 2437        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                           |                     | 10    | 2457        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                           |                     | 11    | 2462        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                           |                     | 12    | 2467        |                            | 13.00   |         |                           | 13.00   |         |                   |
|                           |                     | 13    | 2472        |                            | 9.00    |         |                           | 9.00    |         |                   |
|                           |                     | 1     | 2412        |                            |         | 17.25   |                           |         | 17.25   | No                |
|                           |                     | 2     | 2417        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                           |                     | 6     | 2437        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                           |                     | 10    | 2457        |                            |         | 17.25   |                           |         | 17.25   |                   |
|                           |                     | 11    | 2462        |                            |         | 16.00   |                           |         | 16.00   |                   |
|                           |                     | 12    | 2467        |                            |         | 13.00   |                           |         | 13.00   |                   |
|                           |                     | 13    | 2472        |                            |         | 9.00    |                           |         | 9.00    |                   |

**Wi-Fi 2.4 GHz Bands Measured Results continued**

| Band (GHz)                | No. of Transmitters   | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------|-----------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                           |                       |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                           |                       |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11ac<br>(OFDM) | 2 Tx<br>VHT20<br>CDD  | 1     | 2412        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         | No                |
|                           |                       | 2     | 2417        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 3     | 2422        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 6     | 2437        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 9     | 2452        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 10    | 2457        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 11    | 2462        | 13.50                      | 13.50   |         | 13.50                     | 13.50   |         |                   |
|                           |                       | 12    | 2467        | 11.25                      | 11.25   |         | 11.25                     | 11.25   |         |                   |
|                           |                       | 13    | 2472        | 7.50                       | 7.50    |         | 7.50                      | 7.50    |         |                   |
|                           |                       | 1     | 2412        | 14.50                      |         | 14.50   | 14.50                     |         | 14.50   | No                |
|                           |                       | 2     | 2417        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                       | 3     | 2422        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                       | 6     | 2437        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                       | 9     | 2452        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                       | 10    | 2457        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                       | 11    | 2462        | 13.50                      |         | 13.50   | 13.50                     |         | 13.50   |                   |
|                           |                       | 12    | 2467        | 11.25                      |         | 11.25   | 11.25                     |         | 11.25   |                   |
|                           |                       | 13    | 2472        | 7.50                       |         | 7.50    | 7.50                      |         | 7.50    |                   |
|                           |                       | 1     | 2412        |                            | 14.50   | 14.50   |                           | 14.50   | 14.50   | No                |
|                           |                       | 2     | 2417        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                       | 3     | 2422        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                       | 6     | 2437        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                       | 9     | 2452        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                       | 10    | 2457        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                       | 11    | 2462        |                            | 13.50   | 13.50   |                           | 13.50   | 13.50   |                   |
|                           |                       | 12    | 2467        |                            | 11.25   | 11.25   |                           | 11.25   | 11.25   |                   |
|                           |                       | 13    | 2472        |                            | 7.50    | 7.50    |                           | 7.50    | 7.50    |                   |
|                           | 2 Tx<br>VHT20<br>TXBF | 1     | 2412        | 17.00                      | 16.00   |         | 17.00                     | 16.00   |         | No                |
|                           |                       | 2     | 2417        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 3     | 2422        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 6     | 2437        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 9     | 2452        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 10    | 2457        | 17.50                      | 16.00   |         | 17.50                     | 16.00   |         |                   |
|                           |                       | 11    | 2462        | 15.00                      | 15.00   |         | 15.00                     | 15.00   |         |                   |
|                           |                       | 12    | 2467        | 14.00                      | 14.00   |         | 14.00                     | 14.00   |         |                   |
|                           |                       | 13    | 2472        | 9.50                       | 9.50    |         | 9.50                      | 9.50    |         |                   |

**Wi-Fi 2.4 GHz Bands Measured Results continued**

| Band (GHz)                | No. of Transmitters              | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------|----------------------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                           |                                  |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                           |                                  |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 2.4<br>802.11ac<br>(OFDM) | 2 Tx<br>VHT20<br>TXBF            | 1     | 2412        | 17.00                      |         | 17.00   | 17.00                     |         | 17.00   | No                |
|                           |                                  | 2     | 2417        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                                  | 3     | 2422        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                                  | 6     | 2437        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                                  | 9     | 2452        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                                  | 10    | 2457        | 17.50                      |         | 17.25   | 17.50                     |         | 17.25   |                   |
|                           |                                  | 11    | 2462        | 15.00                      |         | 15.00   | 15.00                     |         | 15.00   |                   |
|                           |                                  | 12    | 2467        | 14.00                      |         | 14.00   | 14.00                     |         | 14.00   |                   |
|                           |                                  | 13    | 2472        | 9.50                       |         | 9.50    | 9.50                      |         | 9.50    |                   |
|                           |                                  | 1     | 2412        |                            | 16.00   | 17.00   |                           | 16.00   | 17.00   | No                |
|                           |                                  | 2     | 2417        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                                  | 3     | 2422        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                                  | 6     | 2437        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                                  | 9     | 2452        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                                  | 10    | 2457        |                            | 16.00   | 17.25   |                           | 16.00   | 17.25   |                   |
|                           |                                  | 11    | 2462        |                            | 15.00   | 15.00   |                           | 15.00   | 15.00   |                   |
|                           |                                  | 12    | 2467        |                            | 14.00   | 14.00   |                           | 14.00   | 14.00   |                   |
|                           |                                  | 13    | 2472        |                            | 9.50    | 9.50    |                           | 9.50    | 9.50    |                   |
|                           | 3 Tx<br>VHT20<br>CDD             | 1     | 2412        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                           |                                  | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 3     | 2422        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 6     | 2437        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 9     | 2452        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 10    | 2457        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 11    | 2462        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 12    | 2467        | 11.25                      | 11.25   | 11.25   | 11.25                     | 11.25   | 11.25   |                   |
|                           |                                  | 13    | 2472        | 7.50                       | 7.50    | 7.50    | 7.50                      | 7.50    | 7.50    |                   |
|                           | 3 Tx<br>VHT20<br>All Non<br>TXBF | 1     | 2412        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                           |                                  | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 3     | 2422        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 6     | 2437        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 9     | 2452        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 10    | 2457        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 11    | 2462        | 13.50                      | 13.50   | 13.50   | 13.50                     | 13.50   | 13.50   |                   |
|                           |                                  | 12    | 2467        | 11.25                      | 11.25   | 11.25   | 11.25                     | 11.25   | 11.25   |                   |
|                           |                                  | 13    | 2472        | 7.50                       | 7.50    | 7.50    | 7.50                      | 7.50    | 7.50    |                   |
|                           | 3 Tx<br>VHT20<br>TXBF            | 1     | 2412        | 17.00                      | 16.00   | 17.00   | 17.00                     | 16.00   | 17.00   | No                |
|                           |                                  | 2     | 2417        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 3     | 2422        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 6     | 2437        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 9     | 2452        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 10    | 2457        | 17.50                      | 16.00   | 17.25   | 17.50                     | 16.00   | 17.25   |                   |
|                           |                                  | 11    | 2462        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                           |                                  | 12    | 2467        | 14.00                      | 14.00   | 14.00   | 14.00                     | 14.00   | 14.00   |                   |
|                           |                                  | 13    | 2472        | 9.50                       | 9.50    | 9.50    | 9.50                      | 9.50    | 9.50    |                   |

## 8.2. Wi-Fi (5 GHz Bands)

### Output Power Measurement Considerations for Wi-Fi 5 GHz bands

#### 1. Frequency Band and Test Channel Considerations

- 5.15 – 5.25 and 5.25 – 5.35 GHz Bands (UNII Band 1 and UNII Band 2A)
  - o When SAR Test Exclusion according to KDB 447498 D01 does not apply, output power measurement is initially required for:
    - UNII 2A, if the output power specified for both bands are identical or higher on UNII 2A.
    - UNII 1, if higher output power is specified for UNII 1.
  - o Power must be measured at the highest and lowest channels in the frequency band, and also the mid-band channel when there are at least 3 channels.
  - o Output power measurement requirements for the remaining band are dependent on the SAR measurement results from the band initially tested; see Section 11 of the report for details
- 5.470 – 5.725, 5.725 – 5.825 GHz and 5.725 – 5.850 GHz Bands (UNII Band 2C and UNII 3)
  - o If both bands are ineligible for SAR Test Exclusion according to KDB 447498 D01 and the band gap channels between the two bands are supported, the frequency channels in UNII Band 2C from 5.65 GHz and above must be considered with UNII 3 for the sake of SAR measurement accuracy.
  - o Taking into account the grouping of frequency channels described above, output power is then measured at the highest, lowest and mid-band (where applicable) channels accordingly.

#### 2. Test Mode and Configuration Considerations

- Within a frequency band that requires output power measurements, the process of choosing an initial mode for measurement is as follows:
  - o The mode and bandwidth configuration with the highest specified output power is prioritized.
  - o If the output power specified is the same across all modes and bandwidth configurations, the mode with the highest bandwidth is chosen.
  - o If a test mode cannot be identified with the two criteria listed above, the mode with the lowest order modulation is chosen.
  - o If a test mode still cannot be decided, then the mode with the lowest data rate is chosen.
  - o The mode that is chosen from this process is identified as the Initial Test Configuration
- Output power measurement requirements for other modes are dependent on the SAR measurement results from the initial mode of measurement (see Section 11 of the report for details); if SAR measurement is required for a subsequent mode/configuration, the following should be considered:
  - o The same process in choosing the Initial Test Configuration is applied again to choose the next configuration; this is identified as the Subsequent Test Configuration.
  - o If the Subsequent Test Configuration is of lower bandwidth than the Initial Test Configuration, power should be measured on all channels that overlap with the channels in the Initial Test Configuration that incurred testing for the Subsequent Test Configurations.

### SAR Testing was determined per KDB KDB 248227

1. Yes SAR Testing is required
2. No SAR Testing is not required

**Wi-Fi 5.2 GHz Bands Measured Results**

| Band (GHz)                          | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|-------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                     |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                     |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.2<br>802.11a<br>(OFDM)<br>U-NII-1 | 1 Tx                | 36    | 5180        | 16.50                      |         |         | 16.50                     |         |         | No                |
|                                     |                     | 40    | 5200        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                     |                     | 44    | 5220        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                     |                     | 48    | 5240        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                     |                     | 36    | 5180        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 40    | 5200        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 44    | 5220        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 48    | 5240        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 36    | 5180        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                     |                     | 40    | 5200        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                     |                     | 44    | 5220        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                     |                     | 48    | 5240        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                     | 2 Tx<br>CDD         | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                     |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                     |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                     |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     | 2 Tx<br>TXBF        | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                     |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                     |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                     |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     | 3 Tx<br>CDD         | 36    | 5180        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                                     |                     | 40    | 5200        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     |                     | 44    | 5220        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     |                     | 48    | 5240        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     | 3 Tx<br>TXBF        | 36    | 5180        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                                     |                     | 40    | 5200        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     |                     | 44    | 5220        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     |                     | 48    | 5240        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |

**Wi-Fi 5.2 GHz Band Measured Results continued**

| Band (GHz)                          | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|-------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                     |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                     |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.2<br>802.11n<br>(OFDM)<br>U-NII-1 | 1 Tx<br>HT20 SISO   | 36    | 5180        | 16.50                      |         |         | 16.50                     |         |         | No                |
|                                     |                     | 40    | 5200        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                     |                     | 44    | 5220        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                     |                     | 48    | 5240        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                     |                     | 36    | 5180        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 40    | 5200        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 44    | 5220        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 48    | 5240        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 36    | 5180        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                     |                     | 40    | 5200        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                     |                     | 44    | 5220        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                     |                     | 48    | 5240        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                     | 2 Tx<br>HT20 CDD    | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                     |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                     |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                     |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     | 2 Tx<br>HT20 STBC   | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                     |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                     |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                     |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |

**Wi-Fi 5.2 GHz Band Measured Results continued**

| Band (GHz)                          | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|-------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                     |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                     |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.2<br>802.11n<br>(OFDM)<br>U-NII-1 | 2 Tx<br>HT20 SDM    | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                     |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                     |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                     |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     | 2 Tx<br>HT20 TXBF   | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                     |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                     |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                     |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     | 3 Tx<br>HT20 CDD    | 36    | 5180        | 14.50                      | 14.50   | 9.10    | 14.50                     | 14.50   | 9.10    | No                |
|                                     |                     | 40    | 5200        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     |                     | 44    | 5220        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     |                     | 48    | 5240        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     | 3 Tx<br>HT20 STBC   | 36    | 5180        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   | No                |
|                                     |                     | 40    | 5200        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                     |                     | 44    | 5220        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                     |                     | 48    | 5240        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                     | 3 Tx<br>HT20 SDM    | 36    | 5180        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   | No                |
|                                     |                     | 40    | 5200        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                     |                     | 44    | 5220        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                     |                     | 48    | 5240        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                     | 3 Tx<br>HT20 TXBF   | 36    | 5180        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                                     |                     | 40    | 5200        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     |                     | 44    | 5220        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                     |                     | 48    | 5240        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |

**Wi-Fi 5.2 GHz Band Measured Results continued**

| Band (GHz)                          | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|-------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                     |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                     |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.2<br>802.11n<br>(OFDM)<br>U-NII-1 | 1 Tx<br>HT40        | 38    | 5190        | 15.50                      |         |         | 15.50                     |         |         | No                |
|                                     |                     | 46    | 5230        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                     |                     | 38    | 5190        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 46    | 5230        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                     |                     | 38    | 5190        |                            |         | 15.50   |                           |         | 15.50   |                   |
|                                     |                     | 46    | 5230        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                     | 2 Tx<br>HT40 CDD    | 38    | 5190        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                     |                     | 46    | 5230        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 38    | 5190        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                     |                     | 46    | 5230        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 38    | 5190        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                     |                     | 46    | 5230        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     | 2 Tx<br>HT40 STBC   | 38    | 5190        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                     |                     | 46    | 5230        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 38    | 5190        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                     |                     | 46    | 5230        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 38    | 5190        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                     |                     | 46    | 5230        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     | 2 Tx<br>HT40 SDM    | 38    | 5190        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                     |                     | 46    | 5230        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 38    | 5190        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                     |                     | 46    | 5230        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 38    | 5190        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                     |                     | 46    | 5230        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     | 2 Tx<br>HT40 TXBF   | 38    | 5190        | 13.00                      | 13.00   |         | 13.00                     | 13.00   |         | No                |
|                                     |                     | 46    | 5230        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                     |                     | 38    | 5190        | 13.00                      |         | 13.00   | 13.00                     |         | 13.00   | No                |
|                                     |                     | 46    | 5230        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 38    | 5190        |                            | 13.00   | 13.00   |                           | 13.00   | 13.00   | No                |
|                                     |                     | 46    | 5230        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                     | 3 Tx<br>HT40 CDD    | 38    | 5190        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                                     |                     | 46    | 5230        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                     | 3 Tx<br>HT40 STBC   | 38    | 5190        | 12.25                      | 12.25   | 12.25   | 12.25                     | 12.25   | 12.25   | No                |
|                                     |                     | 46    | 5230        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                     | 3 Tx<br>HT40 SDM    | 38    | 5190        | 12.25                      | 12.25   | 12.25   | 12.25                     | 12.25   | 12.25   | No                |
|                                     |                     | 46    | 5230        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                     | 3 Tx<br>HT40 TXBF   | 38    | 5190        | 13.00                      | 13.00   | 13.00   | 13.00                     | 13.00   | 13.00   | No                |
|                                     |                     | 46    | 5230        | 14.25                      | 14.25   | 14.25   | 14.25                     | 14.25   | 14.25   |                   |

**Wi-Fi 5.2 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.2<br>802.11ac<br>(OFDM)<br>U-NII-1 | 1 Tx<br>VHT20 SISO  | 36    | 5180        | 16.50                      |         |         | 16.50                     |         |         | No                |
|                                      |                     | 40    | 5200        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                      |                     | 44    | 5220        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                      |                     | 48    | 5240        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                      |                     | 36    | 5180        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 40    | 5200        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 44    | 5220        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 48    | 5240        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 36    | 5180        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 40    | 5200        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 44    | 5220        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 48    | 5240        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      | 1 Tx<br>VHT40 SISO  | 38    | 5190        | 15.50                      |         |         | 15.50                     |         |         | No                |
|                                      |                     | 46    | 5230        | 16.50                      |         |         | 16.50                     |         |         |                   |
|                                      |                     | 38    | 5190        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 46    | 5230        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 38    | 5190        |                            |         | 15.50   |                           |         | 15.50   |                   |
|                                      |                     | 46    | 5230        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      | 1 Tx<br>VHT80 SISO  | 42    | 5210        | 14.50                      |         |         | 14.50                     |         |         | No                |
|                                      |                     | 42    | 5210        |                            | 14.50   |         |                           | 14.50   |         |                   |
|                                      |                     | 42    | 5210        |                            |         | 14.50   |                           |         | 14.50   |                   |
|                                      | 2 Tx<br>VHT20 CDD   | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                      |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                      |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                      |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      | 2 Tx<br>VHT20 STBC  | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                      |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                      |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                      |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |

**Wi-Fi 5.2 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.2<br>802.11ac<br>(OFDM)<br>U-NII-1 | 2 Tx<br>VHT20 SDM   | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                      |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                      |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                      |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      | 2 Tx<br>VHT20 TXBF  | 36    | 5180        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         | No                |
|                                      |                     | 40    | 5200        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 44    | 5220        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 48    | 5240        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 36    | 5180        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                      |                     | 40    | 5200        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 44    | 5220        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 48    | 5240        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 36    | 5180        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   | No                |
|                                      |                     | 40    | 5200        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                     | 44    | 5220        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                     | 48    | 5240        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      | 3 Tx<br>VHT20 CDD   | 36    | 5180        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                                      |                     | 40    | 5200        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                      |                     | 44    | 5220        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                      |                     | 48    | 5240        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                      | 3 Tx<br>VHT20 STBC  | 36    | 5180        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   | No                |
|                                      |                     | 40    | 5200        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      |                     | 44    | 5220        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      |                     | 48    | 5240        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      | 3 Tx<br>VHT20 SDM   | 36    | 5180        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   | No                |
|                                      |                     | 40    | 5200        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      |                     | 44    | 5220        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      |                     | 48    | 5240        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      | 3 Tx<br>VHT20 TXBF  | 36    | 5180        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                                      |                     | 40    | 5200        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                      |                     | 44    | 5220        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                      |                     | 48    | 5240        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |

**Wi-Fi 5.2 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.2<br>802.11ac<br>(OFDM)<br>U-NII-1 | 2 Tx<br>VHT40 CDD   | 38    | 5190        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                      |                     | 46    | 5230        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 38    | 5190        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                      |                     | 46    | 5230        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 38    | 5190        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                      |                     | 46    | 5230        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      | 2 Tx<br>VHT40 STBC  | 38    | 5190        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                      |                     | 46    | 5230        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 38    | 5190        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                      |                     | 46    | 5230        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 38    | 5190        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                      |                     | 46    | 5230        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      | 2 Tx<br>VHT40 SDM   | 38    | 5190        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                      |                     | 46    | 5230        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 38    | 5190        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                      |                     | 46    | 5230        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 38    | 5190        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                      |                     | 46    | 5230        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      | 2 Tx<br>VHT40 TXBF  | 38    | 5190        | 13.00                      | 13.00   |         | 13.00                     | 13.00   |         | No                |
|                                      |                     | 46    | 5230        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                     | 38    | 5190        | 13.00                      |         | 13.00   | 13.00                     |         | 13.00   | No                |
|                                      |                     | 46    | 5230        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 38    | 5190        |                            | 13.00   | 13.00   |                           | 13.00   | 13.00   | No                |
|                                      |                     | 46    | 5230        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      | 3 Tx<br>VHT40 CDD   | 38    | 5190        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                                      |                     | 46    | 5230        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      | 3 Tx<br>VHT40 STBC  | 38    | 5190        | 12.25                      | 12.25   | 12.25   | 12.25                     | 12.25   | 12.25   | No                |
|                                      |                     | 46    | 5230        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      | 3 Tx<br>VHT40 SDM   | 38    | 5190        | 12.25                      | 12.25   | 12.25   | 12.25                     | 12.25   | 12.25   | No                |
|                                      |                     | 46    | 5230        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      | 3 Tx<br>VHT40 TXBF  | 38    | 5190        | 13.00                      | 13.00   | 13.00   | 13.00                     | 13.00   | 13.00   | No                |
|                                      |                     | 46    | 5230        | 14.25                      | 14.25   | 14.25   | 14.25                     | 14.25   | 14.25   |                   |
|                                      | 2 Tx<br>VHT80 CDD   | 42    | 5210        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                      |                     | 42    | 5210        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                      |                     | 42    | 5210        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                      | 2 Tx<br>VHT80 STBC  | 42    | 5210        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                      |                     | 42    | 5210        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                      |                     | 42    | 5210        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |

**Wi-Fi 5.2 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.2<br>802.11ac<br>(OFDM)<br>U-NII-1 | 2 Tx<br>VHT80 SDM   | 42    | 5210        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                      |                     | 42    | 5210        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                      |                     | 42    | 5210        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                      | 2 Tx<br>VHT80 TXBF  | 42    | 5210        | 10.25                      | 10.25   |         | 10.25                     | 10.25   |         | No                |
|                                      |                     | 42    | 5210        | 10.25                      |         | 10.25   | 10.25                     |         | 10.25   | No                |
|                                      |                     | 42    | 5210        |                            | 10.25   | 10.25   |                           | 10.25   | 10.25   | No                |
|                                      | 3 Tx<br>VHT80 CDD   | 42    | 5210        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                                      | 3 Tx<br>VHT80 STBC  | 42    | 5210        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                                      | 3 Tx<br>VHT80 SDM   | 42    | 5210        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                                      | 3 Tx<br>VHT80 TXBF  | 42    | 5210        | 10.00                      | 10.00   | 10.00   | 10.00                     | 10.00   | 10.00   | No                |

**Wi-Fi 5.3 GHz Band Measured Results**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.3<br>802.11a<br>(OFDM)<br>U-NII-2A | 1 Tx                | 52    | 5260        | 18.00                      |         |         | 18.00                     |         |         | No                |
|                                      |                     | 56    | 5280        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                                      |                     | 60    | 5300        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                                      |                     | 64    | 5320        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                                      |                     | 52    | 5260        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 56    | 5280        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 60    | 5300        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 64    | 5320        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 52    | 5260        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 56    | 5280        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 60    | 5300        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 64    | 5320        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      | 2 Tx<br>CDD         | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                      |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 64    | 5320        | 17.00                      | 15.00   |         | 17.00                     | 15.00   |         |                   |
|                                      |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                      |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 64    | 5320        | 17.00                      |         | 16.50   | 17.00                     |         | 16.50   |                   |
|                                      |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                      |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |

**Wi-Fi 5.3 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.3<br>802.11a<br>(OFDM)<br>U-NII-2A | 2 Tx<br>TXBF        | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                      |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 64    | 5320        | 16.50                      | 15.00   |         | 16.50                     | 15.00   |         |                   |
|                                      |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                      |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 64    | 5320        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                      |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      | 3 Tx<br>CDD         | 52    | 5260        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   | No                |
|                                      |                     | 56    | 5280        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 60    | 5300        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 64    | 5320        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      | 3 Tx<br>TXBF        | 52    | 5260        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   | Yes               |
|                                      |                     | 56    | 5280        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 60    | 5300        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 64    | 5320        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
| 5.3<br>802.11n<br>(OFDM)<br>U-NII-2A | 1 Tx<br>HT20 SISO   | 52    | 5260        | 18.00                      |         |         | 18.00                     |         |         | No                |
|                                      |                     | 56    | 5280        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                                      |                     | 60    | 5300        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                                      |                     | 64    | 5320        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                                      |                     | 52    | 5260        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 56    | 5280        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 60    | 5300        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 64    | 5320        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 52    | 5260        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 56    | 5280        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 60    | 5300        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 64    | 5320        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      | 1 Tx<br>HT40 SISO   | 54    | 5270        | 18.00                      |         |         | 18.00                     |         |         | Yes               |
|                                      |                     | 62    | 5310        | 15.00                      |         |         | 15.00                     |         |         |                   |
|                                      |                     | 54    | 5270        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 62    | 5310        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                      |                     | 54    | 5270        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                      |                     | 62    | 5310        |                            |         | 15.00   |                           |         | 15.00   |                   |

**Wi-Fi 5.3 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.3<br>802.11n<br>(OFDM)<br>U-NII-2A | 2 Tx<br>HT20 CDD    | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                      |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 64    | 5320        | 17.00                      | 15.00   |         | 17.00                     | 15.00   |         |                   |
|                                      |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                      |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 64    | 5320        | 17.00                      |         | 16.50   | 17.00                     |         | 16.50   |                   |
|                                      |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                      |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      | 2 Tx<br>HT20 STBC   | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                      |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 64    | 5320        | 17.00                      | 15.00   |         | 17.00                     | 15.00   |         |                   |
|                                      |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                      |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 64    | 5320        | 17.00                      |         | 16.50   | 17.00                     |         | 16.50   |                   |
|                                      |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                      |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
| 5.3<br>802.11n<br>(OFDM)<br>U-NII-2A | 2 Tx<br>HT20 SDM    | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                      |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 64    | 5320        | 17.00                      | 15.00   |         | 17.00                     | 15.00   |         |                   |
|                                      |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                      |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 64    | 5320        | 17.00                      |         | 16.50   | 17.00                     |         | 16.50   |                   |
|                                      |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                      |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      | 2 Tx<br>HT20 TXBF   | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                      |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                      |                     | 64    | 5320        | 17.00                      | 15.00   |         | 17.00                     | 15.00   |         |                   |
|                                      |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                      |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 64    | 5320        | 17.00                      |         | 16.50   | 17.00                     |         | 16.50   |                   |
|                                      |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                      |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |

**Wi-Fi 5 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.3<br>802.11n<br>(OFDM)<br>U-NII-2A | 3 Tx<br>HT20 CDD    | 52    | 5260        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   | No                |
|                                      |                     | 56    | 5280        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 60    | 5300        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 64    | 5320        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      | 3 Tx<br>HT20 STBC   | 52    | 5260        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   | No                |
|                                      |                     | 56    | 5280        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 60    | 5300        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 64    | 5320        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      | 3 Tx<br>HT20 SDM    | 52    | 5260        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   | No                |
|                                      |                     | 56    | 5280        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 60    | 5300        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 64    | 5320        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      | 3 Tx<br>HT20 TXBF   | 52    | 5260        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   | No                |
|                                      |                     | 56    | 5280        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 60    | 5300        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      |                     | 64    | 5320        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                      | 2 Tx<br>HT40 CDD    | 54    | 5270        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | Yes               |
|                                      |                     | 62    | 5310        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         |                   |
|                                      |                     | 54    | 5270        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                      |                     | 62    | 5310        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   |                   |
|                                      |                     | 54    | 5270        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                      |                     | 62    | 5310        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   |                   |
|                                      | 2 Tx<br>HT40 STBC   | 54    | 5270        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                      |                     | 62    | 5310        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                      |                     | 54    | 5270        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                      |                     | 62    | 5310        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                      |                     | 54    | 5270        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                      |                     | 62    | 5310        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                      | 2 Tx<br>HT40 SDM    | 54    | 5270        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                      |                     | 62    | 5310        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                      |                     | 54    | 5270        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                      |                     | 62    | 5310        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                      |                     | 54    | 5270        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                      |                     | 62    | 5310        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |

**Wi-Fi 5.3 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.3<br>802.11n<br>(OFDM)<br>U-NII-2A  | 2 Tx<br>HT40 TXBF   | 54    | 5270        | 16.50                      | 15.00   |         | 16.50                     | 15.00   |         | No                |
|                                       |                     | 62    | 5310        | 12.00                      | 12.00   |         | 12.00                     | 12.00   |         |                   |
|                                       |                     | 54    | 5270        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                       |                     | 62    | 5310        | 12.00                      |         | 12.00   | 12.00                     |         | 12.00   |                   |
|                                       |                     | 54    | 5270        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                       |                     | 62    | 5310        |                            | 12.00   | 12.00   |                           | 12.00   | 12.00   |                   |
|                                       | 3 Tx<br>HT40 CDD    | 54    | 5270        | 18.00                      | 15.00   | 16.50   | 18.00                     | 15.00   | 16.50   | Yes               |
|                                       |                     | 62    | 5310        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   |                   |
|                                       | 3 Tx<br>HT40 STBC   | 54    | 5270        | 17.75                      | 15.00   | 16.50   | 17.75                     | 15.00   | 16.50   | No                |
|                                       |                     | 62    | 5310        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   |                   |
|                                       | 3 Tx<br>HT40 SDM    | 54    | 5270        | 17.75                      | 15.00   | 16.50   | 17.75                     | 15.00   | 16.50   | No                |
|                                       |                     | 62    | 5310        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   |                   |
|                                       | 3 Tx<br>HT40 TXBF   | 54    | 5270        | 14.00                      | 14.00   | 14.00   | 14.00                     | 14.00   | 14.00   | No                |
|                                       |                     | 62    | 5310        | 12.00                      | 12.00   | 12.00   | 12.00                     | 12.00   | 12.00   |                   |
| 5.3<br>802.11ac<br>(OFDM)<br>U-NII-2A | 1 Tx<br>VHT20 SISO  | 52    | 5260        | 18.00                      |         |         | 18.00                     |         |         | No                |
|                                       |                     | 56    | 5280        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                                       |                     | 60    | 5300        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                                       |                     | 64    | 5320        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                                       |                     | 52    | 5260        |                            | 15.00   |         |                           | 15.00   |         | No                |
|                                       |                     | 56    | 5280        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                       |                     | 60    | 5300        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                       |                     | 64    | 5320        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                       |                     | 52    | 5260        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                       |                     | 56    | 5280        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                       |                     | 60    | 5300        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                       |                     | 64    | 5320        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                       | 1 Tx<br>VHT40 SISO  | 54    | 5270        | 18.00                      |         |         | 18.00                     |         |         | No                |
|                                       |                     | 62    | 5310        | 15.00                      |         |         | 15.00                     |         |         |                   |
|                                       |                     | 54    | 5270        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                       |                     | 62    | 5310        |                            | 15.00   |         |                           | 15.00   |         |                   |
|                                       |                     | 54    | 5270        |                            |         | 16.50   |                           |         | 16.50   |                   |
|                                       |                     | 62    | 5310        |                            |         | 15.00   |                           |         | 15.00   |                   |
|                                       | 1 Tx<br>VHT80 SISO  | 58    | 5290        | 13.75                      |         |         | 13.75                     |         |         | No                |
|                                       |                     | 58    | 5290        |                            | 13.75   |         |                           | 13.75   |         |                   |
|                                       |                     | 58    | 5290        |                            |         | 13.75   |                           |         | 13.75   |                   |

**Wi-Fi 5 GHz Bands Measured Results continued**

| Band (GHz)                            | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.3<br>802.11ac<br>(OFDM)<br>U-NII-2A | 2 Tx<br>VHT20 CDD   | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                       |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                       |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                       |                     | 64    | 5320        | 17.00                      | 15.00   |         | 17.00                     | 15.00   |         |                   |
|                                       |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                       |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                       |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                       |                     | 64    | 5320        | 17.00                      |         | 16.50   | 17.00                     |         | 16.50   |                   |
|                                       |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                       |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       | 2 Tx<br>VHT20 STBC  | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                       |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                       |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                       |                     | 64    | 5320        | 17.00                      | 15.00   |         | 17.00                     | 15.00   |         |                   |
|                                       |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                       |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                       |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                       |                     | 64    | 5320        | 17.00                      |         | 16.50   | 17.00                     |         | 16.50   |                   |
|                                       |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                       |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       | 2 Tx<br>VHT20 SDM   | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                       |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                       |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                       |                     | 64    | 5320        | 17.00                      | 15.00   |         | 17.00                     | 15.00   |         |                   |
|                                       |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                       |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                       |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                       |                     | 64    | 5320        | 17.00                      |         | 16.50   | 17.00                     |         | 16.50   |                   |
|                                       |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                       |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |

**Wi-Fi 5.3 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.3<br>802.11ac<br>(OFDM)<br>U-NII-2A | 2 Tx<br>VHT20 TXBF  | 52    | 5260        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                       |                     | 56    | 5280        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                       |                     | 60    | 5300        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         |                   |
|                                       |                     | 64    | 5320        | 16.50                      | 15.00   |         | 16.50                     | 15.00   |         |                   |
|                                       |                     | 52    | 5260        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                       |                     | 56    | 5280        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                       |                     | 60    | 5300        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                       |                     | 64    | 5320        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                       |                     | 52    | 5260        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                       |                     | 56    | 5280        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       |                     | 60    | 5300        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       |                     | 64    | 5320        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       | 3 Tx<br>VHT20 CDD   | 52    | 5260        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   | No                |
|                                       |                     | 56    | 5280        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                       |                     | 60    | 5300        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                       |                     | 64    | 5320        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                       | 3 Tx<br>VHT20 STBC  | 52    | 5260        | 18.00                      | 15.00   | 16.50   | 18.00                     | 15.00   | 16.50   | No                |
|                                       |                     | 56    | 5280        | 18.00                      | 15.00   | 16.50   | 18.00                     | 15.00   | 16.50   |                   |
|                                       |                     | 60    | 5300        | 18.00                      | 15.00   | 16.50   | 18.00                     | 15.00   | 16.50   |                   |
|                                       |                     | 64    | 5320        | 17.00                      | 15.00   | 16.50   | 17.00                     | 15.00   | 16.50   |                   |
|                                       | 3 Tx<br>VHT20 SDM   | 52    | 5260        | 18.00                      | 15.00   | 16.50   | 18.00                     | 15.00   | 16.50   | No                |
|                                       |                     | 56    | 5280        | 18.00                      | 15.00   | 16.50   | 18.00                     | 15.00   | 16.50   |                   |
|                                       |                     | 60    | 5300        | 18.00                      | 15.00   | 16.50   | 18.00                     | 15.00   | 16.50   |                   |
|                                       |                     | 64    | 5320        | 17.00                      | 15.00   | 16.50   | 17.00                     | 15.00   | 16.50   |                   |
|                                       | 3 Tx<br>VHT20 TXBF  | 52    | 5260        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   | No                |
|                                       |                     | 56    | 5280        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                       |                     | 60    | 5300        | 16.00                      | 15.00   | 16.00   | 16.00                     | 15.00   | 16.00   |                   |
|                                       |                     | 64    | 5320        | 17.00                      | 15.00   | 16.50   | 17.00                     | 15.00   | 16.50   |                   |
|                                       | 2 Tx<br>VHT40 CDD   | 54    | 5270        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                       |                     | 62    | 5310        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         |                   |
|                                       |                     | 54    | 5270        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   |                   |
|                                       |                     | 62    | 5310        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   |                   |
|                                       |                     | 54    | 5270        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   |                   |
|                                       |                     | 62    | 5310        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   |                   |
|                                       | 2 Tx<br>VHT40 STBC  | 54    | 5270        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                       |                     | 62    | 5310        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         |                   |
|                                       |                     | 54    | 5270        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                       |                     | 62    | 5310        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   |                   |
|                                       |                     | 54    | 5270        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                       |                     | 62    | 5310        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   |                   |
|                                       | 2 Tx<br>VHT40 SDM   | 54    | 5270        | 18.00                      | 15.00   |         | 18.00                     | 15.00   |         | No                |
|                                       |                     | 62    | 5310        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         |                   |
|                                       |                     | 54    | 5270        | 18.00                      |         | 16.50   | 18.00                     |         | 16.50   | No                |
|                                       |                     | 62    | 5310        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   |                   |
|                                       |                     | 54    | 5270        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                       |                     | 62    | 5310        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   |                   |

**Wi-Fi 5 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.3<br>802.11ac<br>(OFDM)<br>U-NII-2A | 2 Tx<br>VHT40 TXBF  | 54    | 5270        | 16.50                      | 15.00   |         | 16.50                     | 15.00   |         | No                |
|                                       |                     | 62    | 5310        | 12.00                      | 12.00   |         | 12.00                     | 12.00   |         |                   |
|                                       |                     | 54    | 5270        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   | No                |
|                                       |                     | 62    | 5310        | 12.00                      |         | 12.00   | 12.00                     |         | 12.00   |                   |
|                                       |                     | 54    | 5270        |                            | 15.00   | 16.50   |                           | 15.00   | 16.50   | No                |
|                                       |                     | 62    | 5310        |                            | 12.00   | 12.00   |                           | 12.00   | 12.00   |                   |
|                                       | 3 Tx<br>VHT40 CDD   | 54    | 5270        | 18.00                      | 15.00   | 16.50   | 18.00                     | 15.00   | 16.50   | No                |
|                                       |                     | 62    | 5310        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   |                   |
|                                       | 3 Tx<br>VHT40 STBC  | 54    | 5270        | 17.75                      | 15.00   | 16.50   | 17.75                     | 15.00   | 16.50   | No                |
|                                       |                     | 62    | 5310        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   |                   |
|                                       | 3 Tx<br>VHT40 SDM   | 54    | 5270        | 17.75                      | 15.00   | 16.50   | 17.75                     | 15.00   | 16.50   | No                |
|                                       |                     | 62    | 5310        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   |                   |
|                                       | 3 Tx<br>VHT40 TXBF  | 54    | 5270        | 14.00                      | 14.00   | 14.00   | 14.00                     | 14.00   | 14.00   | No                |
|                                       |                     | 62    | 5310        | 12.00                      | 12.00   | 12.00   | 12.00                     | 12.00   | 12.00   |                   |
|                                       | 2 Tx<br>VHT80 CDD   | 58    | 5290        | 11.50                      | 11.50   |         | 11.50                     | 11.50   |         | No                |
|                                       |                     | 58    | 5290        | 11.50                      |         | 11.50   | 11.50                     |         | 11.50   |                   |
|                                       |                     | 58    | 5290        |                            | 11.50   | 11.50   |                           | 11.50   | 11.50   |                   |
|                                       | 2 Tx<br>VHT80 STBC  | 58    | 5290        | 11.50                      | 11.50   |         | 11.50                     | 11.50   |         | No                |
|                                       |                     | 58    | 5290        | 11.50                      |         | 11.50   | 11.50                     |         | 11.50   |                   |
|                                       |                     | 58    | 5290        |                            | 11.50   | 11.50   |                           | 11.50   | 11.50   |                   |
|                                       | 2 Tx<br>VHT80 SDM   | 58    | 5290        | 11.50                      | 11.50   |         | 11.50                     | 11.50   |         | No                |
|                                       |                     | 58    | 5290        | 11.50                      |         | 11.50   | 11.50                     |         | 11.50   |                   |
|                                       |                     | 58    | 5290        |                            | 11.50   | 11.50   |                           | 11.50   | 11.50   |                   |
|                                       | 2 Tx<br>VHT80 TXBF  | 58    | 5290        | 9.50                       | 9.50    |         | 9.50                      | 9.50    |         | No                |
|                                       |                     | 58    | 5290        | 9.50                       |         | 9.50    | 9.50                      |         | 9.50    |                   |
|                                       |                     | 58    | 5290        |                            | 9.50    | 9.50    |                           | 9.50    | 9.50    |                   |
|                                       | 3 Tx<br>VHT80 CDD   | 58    | 5290        | 11.50                      | 11.50   | 11.50   | 11.50                     | 11.50   | 11.50   | No                |
|                                       | 3 Tx<br>VHT80 STBC  | 58    | 5290        | 11.50                      | 11.50   | 11.50   | 11.50                     | 11.50   | 11.50   | No                |
|                                       | 3 Tx<br>VHT80 SDM   | 58    | 5290        | 11.50                      | 11.50   | 11.50   | 11.50                     | 11.50   | 11.50   | No                |
|                                       | 3 Tx<br>VHT80 TXBF  | 58    | 5290        | 9.50                       | 9.50    | 9.50    | 9.50                      | 9.50    | 9.50    | No                |

**Wi-Fi 5.5 GHz Band Measured Results**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11a<br>(OFDM)<br>U-NII-2C | 1 Tx                | 100   | 5500        | 17.00                      |         |         | 17.00                     |         |         | No                |
|                                      |                     | 104   | 5520        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 108   | 5540        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 112   | 5560        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 116   | 5580        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 120   | 5600        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 124   | 5620        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 128   | 5640        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 132   | 5660        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 136   | 5680        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 140   | 5700        | 16.25                      |         |         | 16.25                     |         |         |                   |
|                                      |                     | 144   | 5720        | 18.00                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 100   | 5500        |                            | 17.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 104   | 5520        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 108   | 5540        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 112   | 5560        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 116   | 5580        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 120   | 5600        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 124   | 5620        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 128   | 5640        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 132   | 5660        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 136   | 5680        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 140   | 5700        |                            | 16.25   |         |                           | 15.50   |         |                   |
|                                      |                     | 144   | 5720        |                            | 18.00   |         |                           | 15.50   |         |                   |
|                                      |                     | 100   | 5500        |                            |         | 17.00   |                           |         | 16.75   | No                |
|                                      |                     | 104   | 5520        |                            |         | 18.00   |                           |         | 16.75   |                   |
|                                      |                     | 108   | 5540        |                            |         | 18.00   |                           |         | 16.75   |                   |
|                                      |                     | 112   | 5560        |                            |         | 18.00   |                           |         | 16.75   |                   |
|                                      |                     | 116   | 5580        |                            |         | 18.00   |                           |         | 16.75   |                   |
|                                      |                     | 120   | 5600        |                            |         | 18.00   |                           |         | 16.75   |                   |
|                                      |                     | 124   | 5620        |                            |         | 18.00   |                           |         | 16.75   |                   |
|                                      |                     | 128   | 5640        |                            |         | 18.00   |                           |         | 16.75   |                   |
|                                      |                     | 132   | 5660        |                            |         | 18.00   |                           |         | 16.75   |                   |
|                                      |                     | 136   | 5680        |                            |         | 18.00   |                           |         | 16.75   |                   |
|                                      |                     | 140   | 5700        |                            |         | 16.25   |                           |         | 16.25   |                   |
|                                      |                     | 144   | 5720        |                            |         | 18.00   |                           |         | 16.75   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11a<br>(OFDM)<br>U-NII-2C | 2 Tx<br>CDD         | 100   | 5500        | 16.00                      | 16.00   |         | 16.00                     | 15.50   |         | No                |
|                                      |                     | 104   | 5520        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 108   | 5540        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 112   | 5560        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 116   | 5580        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 120   | 5600        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 124   | 5620        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 128   | 5640        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 132   | 5660        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 136   | 5680        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 140   | 5700        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         |                   |
|                                      |                     | 144   | 5720        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 100   | 5500        | 16.00                      |         | 16.00   | 16.00                     |         | 16.00   | No                |
|                                      |                     | 104   | 5520        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 108   | 5540        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 112   | 5560        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 116   | 5580        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 120   | 5600        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 124   | 5620        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 128   | 5640        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 132   | 5660        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 136   | 5680        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 140   | 5700        | 14.50                      |         | 14.50   | 14.50                     |         | 14.50   |                   |
|                                      |                     | 144   | 5720        | 18.00                      |         | 18.00   | 18.00                     |         | 16.75   |                   |
|                                      |                     | 100   | 5500        |                            | 16.00   | 16.00   |                           | 15.50   | 16.00   | No                |
|                                      |                     | 104   | 5520        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 108   | 5540        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 112   | 5560        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 116   | 5580        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 120   | 5600        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 124   | 5620        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 128   | 5640        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 132   | 5660        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 136   | 5680        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 140   | 5700        |                            | 14.50   | 14.50   |                           | 14.50   | 14.50   |                   |
|                                      |                     | 144   | 5720        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      | 2 Tx<br>TXBF        | 100   | 5500        | 17.50                      | 17.50   |         | 17.50                     | 15.50   |         | No                |
|                                      |                     | 104   | 5520        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 108   | 5540        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 112   | 5560        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 116   | 5580        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 120   | 5600        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 124   | 5620        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 128   | 5640        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 132   | 5660        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 136   | 5680        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 140   | 5700        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         |                   |
|                                      |                     | 144   | 5720        | 18.00                      | 18.00   |         | 17.50                     | 15.50   |         |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11a<br>(OFDM)<br>U-NII-2C | 2 Tx<br>TXBF        | 100   | 5500        | 17.50                      |         | 17.50   | 17.50                     |         | 16.75   | No                |
|                                      |                     | 104   | 5520        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 108   | 5540        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 112   | 5560        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 116   | 5580        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 120   | 5600        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 124   | 5620        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 128   | 5640        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 132   | 5660        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 136   | 5680        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 140   | 5700        | 15.50                      |         | 15.50   | 15.50                     |         | 15.50   |                   |
|                                      |                     | 144   | 5720        | 18.00                      |         | 18.00   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 100   | 5500        |                            | 17.50   | 17.50   |                           | 15.50   | 16.75   | No                |
|                                      |                     | 104   | 5520        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 108   | 5540        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 112   | 5560        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 116   | 5580        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 120   | 5600        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 124   | 5620        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 128   | 5640        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 132   | 5660        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 136   | 5680        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 140   | 5700        |                            | 15.50   | 15.50   |                           | 15.50   | 15.50   |                   |
|                                      |                     | 144   | 5720        |                            | 18.00   | 18.00   |                           | 15.50   | 16.75   |                   |
|                                      | 3 Tx<br>CDD         | 100   | 5500        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   | No                |
|                                      |                     | 104   | 5520        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 108   | 5540        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 112   | 5560        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 116   | 5580        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 120   | 5600        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 124   | 5620        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 128   | 5640        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 132   | 5660        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 136   | 5680        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 140   | 5700        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   |                   |
|                                      |                     | 144   | 5720        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      | 3 Tx TXBF           | 100   | 5500        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   | No                |
|                                      |                     | 104   | 5520        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 108   | 5540        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 112   | 5560        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 116   | 5580        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 120   | 5600        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 124   | 5620        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 128   | 5640        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 132   | 5660        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 136   | 5680        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 140   | 5700        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 144   | 5720        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11n<br>(OFDM)<br>U-NII-2C | 1 Tx<br>HT20        | 100   | 5500        | 17.00                      |         |         | 17.00                     |         |         | No                |
|                                      |                     | 104   | 5520        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 108   | 5540        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 112   | 5560        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 116   | 5580        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 120   | 5600        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 124   | 5620        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 128   | 5640        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 132   | 5660        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 136   | 5680        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 140   | 5700        | 16.25                      |         |         | 16.25                     |         |         |                   |
|                                      |                     | 144   | 5720        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 100   | 5500        |                            | 15.50   |         |                           | 15.50   |         | No                |
|                                      |                     | 104   | 5520        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 108   | 5540        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 112   | 5560        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 116   | 5580        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 120   | 5600        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 124   | 5620        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 128   | 5640        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 132   | 5660        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 136   | 5680        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 140   | 5700        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 144   | 5720        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 100   | 5500        |                            |         | 16.75   |                           |         | 16.75   | No                |
|                                      |                     | 104   | 5520        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 108   | 5540        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 112   | 5560        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 116   | 5580        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 120   | 5600        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 124   | 5620        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 128   | 5640        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 132   | 5660        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 136   | 5680        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 140   | 5700        |                            |         | 16.25   |                           |         | 16.25   |                   |
|                                      |                     | 144   | 5720        |                            |         | 16.75   |                           |         | 16.75   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11n<br>(OFDM)<br>U-NII-2C | 1 Tx<br>HT40        | 102   | 5510        | 16.00                      |         |         | 16.00                     |         |         | No                |
|                                      |                     | 110   | 5550        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 118   | 5590        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 126   | 5630        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 134   | 5670        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 142   | 5710        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                      |                     | 102   | 5510        |                            | 15.50   |         |                           | 15.50   |         | No                |
|                                      |                     | 110   | 5550        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 118   | 5590        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 126   | 5630        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 134   | 5670        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 142   | 5710        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                      |                     | 102   | 5510        |                            |         | 16.00   |                           |         | 16.00   | No                |
|                                      |                     | 110   | 5550        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 118   | 5590        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 126   | 5630        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 134   | 5670        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      |                     | 142   | 5710        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                      | 2 Tx<br>HT20 CDD    | 100   | 5500        | 16.00                      | 15.50   |         | 16.00                     | 15.50   |         | No                |
|                                      |                     | 104   | 5520        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 108   | 5540        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 112   | 5560        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 116   | 5580        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 120   | 5600        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 124   | 5620        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 128   | 5640        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 136   | 5680        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         | No                |
|                                      |                     | 140   | 5700        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         |                   |
|                                      |                     | 144   | 5720        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 100   | 5500        | 16.00                      |         | 16.00   | 16.00                     |         | 16.00   |                   |
|                                      |                     | 104   | 5520        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 108   | 5540        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 112   | 5560        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 116   | 5580        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 120   | 5600        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 124   | 5620        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 128   | 5640        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 136   | 5680        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 140   | 5700        | 14.50                      |         | 14.50   | 14.50                     |         | 14.50   |                   |
|                                      |                     | 144   | 5720        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters   | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|-----------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                       |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                       |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11n<br>(OFDM)<br>U-NII-2C | 2 Tx<br>HT20 CDD      | 100   | 5500        |                            | 15.50   | 16.00   |                           | 15.50   | 16.00   | No                |
|                                      |                       | 104   | 5520        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 108   | 5540        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 112   | 5560        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 116   | 5580        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 120   | 5600        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 124   | 5620        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 128   | 5640        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 136   | 5680        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 140   | 5700        |                            | 14.50   | 14.50   |                           | 14.50   | 14.50   |                   |
|                                      |                       | 144   | 5720        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      | 2 Tx<br>HT20 CDD      | 100   | 5500        | 16.00                      | 15.50   |         | 16.00                     | 15.50   |         | No                |
|                                      |                       | 104   | 5520        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                       | 108   | 5540        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                       | 112   | 5560        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                       | 116   | 5580        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                       | 120   | 5600        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                       | 124   | 5620        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                       | 128   | 5640        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                       | 136   | 5680        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                       | 140   | 5700        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         |                   |
|                                      |                       | 144   | 5720        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      | 2 Tx<br>HT20 STBC/SDM | 100   | 5500        | 16.00                      |         | 16.00   | 16.00                     |         | 16.00   | No                |
|                                      |                       | 104   | 5520        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                       | 108   | 5540        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                       | 112   | 5560        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                       | 116   | 5580        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                       | 120   | 5600        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                       | 124   | 5620        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                       | 128   | 5640        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                       | 136   | 5680        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                       | 140   | 5700        | 14.50                      |         | 14.50   | 14.50                     |         | 14.50   |                   |
|                                      |                       | 144   | 5720        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      | 2 Tx<br>HT20 STBC/SDM | 100   | 5500        |                            | 15.50   | 16.00   |                           | 15.50   | 16.00   | No                |
|                                      |                       | 104   | 5520        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 108   | 5540        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 112   | 5560        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 116   | 5580        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 120   | 5600        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 124   | 5620        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 128   | 5640        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 136   | 5680        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                       | 140   | 5700        |                            | 14.50   | 14.50   |                           | 14.50   | 14.50   |                   |
|                                      |                       | 144   | 5720        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11n<br>(OFDM)<br>U-NII-2C | 2 Tx<br>HT20 TXBF   | 100   | 5500        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         | No                |
|                                      |                     | 104   | 5520        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 108   | 5540        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 112   | 5560        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 116   | 5580        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 120   | 5600        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 124   | 5620        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 128   | 5640        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 136   | 5680        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 140   | 5700        | 15.50                      | 15.50   |         | 15.50                     | 15.50   |         |                   |
|                                      |                     | 144   | 5720        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                     | 100   | 5500        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   | No                |
|                                      |                     | 104   | 5520        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 108   | 5540        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 112   | 5560        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 116   | 5580        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 120   | 5600        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 124   | 5620        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 128   | 5640        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 136   | 5680        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                     | 140   | 5700        | 15.50                      |         | 15.50   | 15.50                     |         | 15.50   |                   |
|                                      |                     | 144   | 5720        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      | 3 Tx<br>HT20 CDD    | 100   | 5500        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   | No                |
|                                      |                     | 104   | 5520        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 108   | 5540        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 112   | 5560        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 116   | 5580        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 120   | 5600        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 124   | 5620        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 128   | 5640        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 136   | 5680        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 140   | 5700        |                            | 15.50   | 15.50   |                           | 15.50   | 15.50   |                   |
|                                      |                     | 144   | 5720        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                     | 100   | 5500        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   | No                |
|                                      |                     | 104   | 5520        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 108   | 5540        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 112   | 5560        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 116   | 5580        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 120   | 5600        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 124   | 5620        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 128   | 5640        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 136   | 5680        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                     | 140   | 5700        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   |                   |
|                                      |                     | 144   | 5720        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters      | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|--------------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                          |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                          |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11n<br>(OFDM)<br>U-NII-2C | 3 Tx<br>HT20<br>STBC/SDM | 100   | 5500        | 16.00                      | 15.50   | 16.00   | 16.00                     | 15.50   | 16.00   | No                |
|                                      |                          | 104   | 5520        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 108   | 5540        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 112   | 5560        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 116   | 5580        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 120   | 5600        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 124   | 5620        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 128   | 5640        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 136   | 5680        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 140   | 5700        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   |                   |
|                                      |                          | 144   | 5720        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      | 3 Tx HT20<br>TXBF        | 100   | 5500        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   | No                |
|                                      |                          | 104   | 5520        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                          | 108   | 5540        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                          | 112   | 5560        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                          | 116   | 5580        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                          | 120   | 5600        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                          | 124   | 5620        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                          | 128   | 5640        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                      |                          | 132   | 5660        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   |                   |
|                                      |                          | 136   | 5680        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   |                   |
|                                      |                          | 140   | 5700        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   |                   |
|                                      |                          | 144   | 5720        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   |                   |
|                                      | 2 Tx HT40<br>CDD         | 102   | 5510        | 12.00                      | 12.00   |         | 12.00                     | 12.00   |         | No                |
|                                      |                          | 110   | 5550        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 118   | 5590        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 126   | 5630        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 134   | 5670        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                          | 142   | 5710        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 102   | 5510        | 12.00                      |         | 12.00   | 12.00                     |         | 12.00   |                   |
|                                      |                          | 110   | 5550        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 118   | 5590        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 126   | 5630        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 134   | 5670        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                          | 142   | 5710        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 102   | 5510        |                            | 12.00   | 12.00   |                           | 12.00   | 12.00   |                   |
|                                      |                          | 110   | 5550        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                          | 118   | 5590        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                          | 126   | 5630        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                          | 134   | 5670        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                          | 142   | 5710        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      | 2 Tx HT40<br>STBC/SDM    | 102   | 5510        | 12.00                      | 12.00   |         | 12.00                     | 12.00   |         | No                |
|                                      |                          | 110   | 5550        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 118   | 5590        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 126   | 5630        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 134   | 5670        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                      |                          | 142   | 5710        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters      | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|--------------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                          |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                          |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11n<br>(OFDM)<br>U-NII-2C | 2 TX HT40<br>STBC/SDM    | 102   | 5510        | 12.00                      |         | 12.00   | 12.00                     |         | 12.00   | No                |
|                                      |                          | 110   | 5550        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 118   | 5590        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 126   | 5630        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 134   | 5670        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                      |                          | 142   | 5710        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 102   | 5510        |                            | 12.00   | 12.00   |                           | 12.00   | 12.00   |                   |
|                                      |                          | 110   | 5550        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                          | 118   | 5590        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                          | 126   | 5630        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                          | 134   | 5670        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                      |                          | 142   | 5710        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      | 2 Tx HT40<br>TXBF        | 102   | 5510        | 11.00                      | 11.00   |         | 11.00                     | 11.00   |         | No                |
|                                      |                          | 110   | 5550        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 118   | 5590        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 126   | 5630        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 134   | 5670        | 16.00                      | 15.50   |         | 16.00                     | 15.50   |         |                   |
|                                      |                          | 142   | 5710        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                      |                          | 102   | 5510        | 11.00                      |         | 11.00   | 11.00                     |         | 11.00   |                   |
|                                      |                          | 110   | 5550        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 118   | 5590        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 126   | 5630        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 134   | 5670        | 16.00                      |         | 16.00   | 16.00                     |         | 16.00   |                   |
|                                      |                          | 142   | 5710        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                      |                          | 102   | 5510        |                            | 11.00   | 11.00   |                           | 11.00   | 11.00   |                   |
|                                      |                          | 110   | 5550        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                          | 118   | 5590        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                          | 126   | 5630        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      |                          | 134   | 5670        |                            | 15.50   | 16.00   |                           | 15.50   | 16.00   |                   |
|                                      |                          | 142   | 5710        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                      | 3 Tx<br>HT40 CDD         | 102   | 5510        | 12.00                      | 12.00   | 12.00   | 12.00                     | 12.00   | 12.00   | No                |
|                                      |                          | 110   | 5550        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 118   | 5590        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 126   | 5630        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 134   | 5670        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                      |                          | 142   | 5710        | 16.25                      | 15.50   | 16.25   | 16.25                     | 15.50   | 16.25   |                   |
|                                      | 3 Tx<br>HT40<br>STBC/SDM | 102   | 5510        | 12.00                      | 12.00   | 12.00   | 12.00                     | 12.00   | 12.00   |                   |
|                                      |                          | 110   | 5550        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 118   | 5590        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      |                          | 126   | 5630        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                      | 3 Tx<br>HT40 TXBF        | 102   | 5510        | 11.00                      | 11.00   | 11.00   | 11.00                     | 11.00   | 11.00   |                   |
|                                      |                          | 110   | 5550        | 14.75                      | 14.75   | 14.75   | 14.75                     | 14.75   | 14.75   |                   |
|                                      |                          | 118   | 5590        | 14.75                      | 14.75   | 14.75   | 14.75                     | 14.75   | 14.75   |                   |
|                                      |                          | 126   | 5630        | 14.75                      | 14.75   | 14.75   | 14.75                     | 14.75   | 14.75   |                   |
|                                      |                          | 134   | 5670        | 14.75                      | 14.75   | 14.75   | 14.75                     | 14.75   | 14.75   |                   |
|                                      |                          | 142   | 5710        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11ac<br>(OFDM)<br>U-NII-2C | 1 Tx VHT20          | 100   | 5500        | 17.00                      |         |         | 17.00                     |         |         | No                |
|                                       |                     | 104   | 5520        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 108   | 5540        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 112   | 5560        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 116   | 5580        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 120   | 5600        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 124   | 5620        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 128   | 5640        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 136   | 5680        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 140   | 5700        | 16.25                      |         |         | 16.25                     |         |         |                   |
|                                       |                     | 144   | 5720        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 100   | 5500        |                            | 15.50   |         |                           | 15.50   |         | No                |
|                                       |                     | 104   | 5520        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 108   | 5540        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 112   | 5560        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 116   | 5580        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 120   | 5600        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 124   | 5620        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 128   | 5640        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 136   | 5680        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 140   | 5700        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 144   | 5720        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       | 1 Tx VHT40          | 100   | 5500        |                            |         | 16.75   |                           |         | 16.75   | No                |
|                                       |                     | 104   | 5520        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 108   | 5540        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 112   | 5560        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 116   | 5580        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 120   | 5600        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 124   | 5620        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 128   | 5640        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 136   | 5680        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 140   | 5700        |                            |         | 16.25   |                           |         | 16.25   |                   |
|                                       |                     | 144   | 5720        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 102   | 5510        | 16.00                      |         |         | 16.00                     |         |         | No                |
|                                       |                     | 110   | 5550        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 118   | 5590        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 126   | 5630        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 134   | 5670        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 142   | 5710        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 102   | 5510        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 110   | 5550        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 118   | 5590        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 126   | 5630        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 134   | 5670        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 142   | 5710        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 102   | 5510        |                            |         | 16.00   |                           |         | 16.00   |                   |
|                                       |                     | 110   | 5550        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 118   | 5590        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 126   | 5630        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 134   | 5670        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 142   | 5710        |                            |         | 16.75   |                           |         | 16.75   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11ac<br>(OFDM)<br>U-NII-2C | 1 Tx<br>VHT80       | 106   | 5530        | 12.75                      |         |         | 12.75                     |         |         | Yes               |
|                                       |                     | 122   | 5610        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 138   | 5690        | 17.50                      |         |         | 17.50                     |         |         |                   |
|                                       |                     | 106   | 5530        |                            | 12.75   |         |                           | 12.75   |         |                   |
|                                       |                     | 122   | 5610        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 138   | 5690        |                            | 15.50   |         |                           | 15.50   |         |                   |
|                                       |                     | 106   | 5530        |                            |         | 12.75   |                           |         | 12.75   |                   |
|                                       |                     | 122   | 5610        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       |                     | 138   | 5690        |                            |         | 16.75   |                           |         | 16.75   |                   |
|                                       | 2 Tx<br>VHT 20 CDD  | 100   | 5500        | 16.00                      | 15.50   |         | 16.00                     | 15.50   |         | No                |
|                                       |                     | 104   | 5520        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 108   | 5540        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 112   | 5560        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 116   | 5580        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 120   | 5600        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 124   | 5620        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 128   | 5640        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 136   | 5680        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 140   | 5700        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         | No                |
|                                       |                     | 144   | 5720        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 100   | 5500        | 16.00                      |         | 16.00   | 16.00                     |         | 16.00   |                   |
|                                       |                     | 104   | 5520        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 108   | 5540        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 112   | 5560        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 116   | 5580        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 120   | 5600        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 124   | 5620        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 128   | 5640        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   | No                |
|                                       |                     | 136   | 5680        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 140   | 5700        | 14.50                      |         | 14.50   | 14.50                     |         | 14.50   |                   |
|                                       |                     | 144   | 5720        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 100   | 5500        |                            | 15.50   | 16.00   |                           | 15.50   | 16.00   |                   |
|                                       |                     | 104   | 5520        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 108   | 5540        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 112   | 5560        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 116   | 5580        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 120   | 5600        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 124   | 5620        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 128   | 5640        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 136   | 5680        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 140   | 5700        |                            | 14.50   | 14.50   |                           | 14.50   | 14.50   |                   |
|                                       |                     | 144   | 5720        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters       | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                           |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                           |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11ac<br>(OFDM)<br>U-NII-2C | 2 Tx<br>VHT20<br>STBC/SDM | 100   | 5500        | 16.00                      | 15.50   |         | 16.00                     | 15.50   |         | No                |
|                                       |                           | 104   | 5520        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 108   | 5540        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 112   | 5560        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 116   | 5580        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 120   | 5600        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 124   | 5620        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 128   | 5640        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 136   | 5680        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 140   | 5700        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         |                   |
|                                       |                           | 144   | 5720        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 100   | 5500        | 16.00                      |         | 16.00   | 16.00                     |         | 16.00   | No                |
|                                       |                           | 104   | 5520        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 108   | 5540        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 112   | 5560        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 116   | 5580        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 120   | 5600        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 124   | 5620        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 128   | 5640        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 136   | 5680        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 140   | 5700        | 14.50                      |         | 14.50   | 14.50                     |         | 14.50   |                   |
|                                       |                           | 144   | 5720        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       | 2 Tx<br>VHT20 TXBF        | 100   | 5500        |                            | 15.50   | 16.00   |                           | 15.50   | 16.00   | No                |
|                                       |                           | 104   | 5520        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 108   | 5540        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 112   | 5560        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 116   | 5580        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 120   | 5600        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 124   | 5620        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 128   | 5640        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 136   | 5680        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 140   | 5700        |                            | 14.50   | 14.50   |                           | 14.50   | 14.50   |                   |
|                                       |                           | 144   | 5720        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 100   | 5500        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         | No                |
|                                       |                           | 104   | 5520        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 108   | 5540        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 112   | 5560        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 116   | 5580        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 120   | 5600        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 124   | 5620        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 128   | 5640        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 136   | 5680        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 140   | 5700        | 15.50                      | 15.50   |         | 15.50                     | 15.50   |         |                   |
|                                       |                           | 144   | 5720        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters       | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                           |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                           |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11ac<br>(OFDM)<br>U-NII-2C | 2 Tx<br>VHT20 TXBF        | 100   | 5500        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   | No                |
|                                       |                           | 104   | 5520        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 108   | 5540        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 112   | 5560        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 116   | 5580        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 120   | 5600        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 124   | 5620        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 128   | 5640        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 136   | 5680        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 140   | 5700        | 15.50                      |         | 15.50   | 15.50                     |         | 15.50   |                   |
|                                       |                           | 144   | 5720        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       | 2 Tx<br>VHT20 TXBF        | 100   | 5500        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   | No                |
|                                       |                           | 104   | 5520        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 108   | 5540        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 112   | 5560        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 116   | 5580        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 120   | 5600        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 124   | 5620        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 128   | 5640        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 136   | 5680        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 140   | 5700        |                            | 15.50   | 15.50   |                           | 15.50   | 15.50   |                   |
|                                       |                           | 144   | 5720        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       | 3 Tx VHT20<br>CDD         | 100   | 5500        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   | No                |
|                                       |                           | 104   | 5520        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                           | 108   | 5540        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                           | 112   | 5560        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                           | 116   | 5580        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                           | 120   | 5600        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                           | 124   | 5620        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                           | 128   | 5640        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                           | 136   | 5680        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                           | 140   | 5700        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   |                   |
|                                       |                           | 144   | 5720        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       | 3 Tx<br>VHT20<br>STBC/SDM | 100   | 5500        | 16.00                      | 15.50   | 16.00   | 16.00                     | 15.50   | 16.00   | No                |
|                                       |                           | 104   | 5520        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 108   | 5540        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 112   | 5560        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 116   | 5580        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 120   | 5600        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 124   | 5620        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 128   | 5640        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 136   | 5680        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 140   | 5700        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   |                   |
|                                       |                           | 144   | 5720        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11ac<br>(OFDM)<br>U-NII-2C | 3 Tx VHT20 TXBF     | 100   | 5500        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   | No                |
|                                       |                     | 104   | 5520        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                     | 108   | 5540        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                     | 112   | 5560        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                     | 116   | 5580        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                     | 120   | 5600        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                     | 124   | 5620        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                     | 128   | 5640        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                     | 136   | 5680        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                     | 140   | 5700        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       |                     | 144   | 5720        | 15.50                      | 15.50   | 15.50   | 15.50                     | 15.50   | 15.50   |                   |
|                                       | 2 Tx VHT40 CDD      | 102   | 5510        | 12.00                      | 12.00   |         | 12.00                     | 12.00   |         | No                |
|                                       |                     | 110   | 5550        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 118   | 5590        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 126   | 5630        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                     | 134   | 5670        | 16.50                      | 15.50   |         | 16.50                     | 15.50   |         |                   |
|                                       |                     | 142   | 5710        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         | No                |
|                                       |                     | 102   | 5510        | 12.00                      |         | 12.00   | 12.00                     |         | 12.00   |                   |
|                                       |                     | 110   | 5550        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 118   | 5590        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 126   | 5630        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 134   | 5670        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                       |                     | 142   | 5710        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   | No                |
|                                       | 2 Tx VHT40 STBC/SDM | 102   | 5510        |                            | 12.00   | 12.00   |                           | 12.00   | 12.00   |                   |
|                                       |                     | 110   | 5550        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 118   | 5590        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 126   | 5630        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 134   | 5670        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                       |                     | 142   | 5710        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   | No                |
|                                       |                     | 102   | 5510        | 12.00                      |         | 12.00   | 12.00                     |         | 12.00   |                   |
|                                       |                     | 110   | 5550        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 118   | 5590        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 126   | 5630        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                     | 134   | 5670        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                       |                     | 142   | 5710        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   | No                |
|                                       | 2 Tx VHT40 STBC/SDM | 102   | 5510        |                            | 12.00   | 12.00   |                           | 12.00   | 12.00   |                   |
|                                       |                     | 110   | 5550        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 118   | 5590        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 126   | 5630        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                     | 134   | 5670        |                            | 15.50   | 16.50   |                           | 15.50   | 16.50   |                   |
|                                       |                     | 142   | 5710        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters       | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                           |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                           |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11ac<br>(OFDM)<br>U-NII-2C | 2 Tx<br>VHT40 TXBF        | 102   | 5510        | 11.00                      | 11.00   |         | 11.00                     | 11.00   |         | No                |
|                                       |                           | 110   | 5550        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 118   | 5590        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 126   | 5630        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 134   | 5670        | 16.00                      | 15.50   |         | 16.00                     | 15.50   |         |                   |
|                                       |                           | 142   | 5710        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 102   | 5510        | 11.00                      |         | 11.00   | 11.00                     |         | 11.00   | No                |
|                                       |                           | 110   | 5550        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 118   | 5590        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 126   | 5630        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 134   | 5670        | 16.00                      |         | 16.00   | 16.00                     |         | 16.00   |                   |
|                                       |                           | 142   | 5710        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 102   | 5510        |                            | 11.00   | 11.00   |                           | 11.00   | 11.00   | No                |
|                                       |                           | 110   | 5550        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 118   | 5590        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 126   | 5630        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 134   | 5670        |                            | 15.50   | 16.00   |                           | 15.50   | 16.00   |                   |
|                                       |                           | 142   | 5710        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       | 3 TX<br>VHT40 CDD         | 102   | 5510        | 12.00                      | 12.00   | 12.00   | 12.00                     | 12.00   | 12.00   | No                |
|                                       |                           | 110   | 5550        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 118   | 5590        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 126   | 5630        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 134   | 5670        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                       | 3 Tx<br>VHT40<br>STBC/SDM | 102   | 5510        | 12.00                      | 12.00   | 12.00   | 12.00                     | 12.00   | 12.00   | No                |
|                                       |                           | 110   | 5550        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 118   | 5590        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 126   | 5630        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 134   | 5670        | 16.50                      | 15.50   | 16.50   | 16.50                     | 15.50   | 16.50   |                   |
|                                       |                           | 142   | 5710        | 16.25                      | 15.50   | 16.25   | 16.25                     | 15.50   | 16.25   |                   |
|                                       | 3 Tx<br>VHT40 TXBF        | 102   | 5510        | 11.00                      | 11.00   | 11.00   | 11.00                     | 11.00   | 11.00   | No                |
|                                       |                           | 110   | 5550        | 14.75                      | 14.75   | 14.75   | 14.75                     | 14.75   | 14.75   |                   |
|                                       |                           | 118   | 5590        | 14.75                      | 14.75   | 14.75   | 14.75                     | 14.75   | 14.75   |                   |
|                                       |                           | 126   | 5630        | 14.75                      | 14.75   | 14.75   | 14.75                     | 14.75   | 14.75   |                   |
|                                       |                           | 134   | 5670        | 14.75                      | 14.75   | 14.75   | 14.75                     | 14.75   | 14.75   |                   |
|                                       |                           | 142   | 5710        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   |                   |
|                                       | 2 Tx<br>VHT80 CDD         | 106   | 5530        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | Yes               |
|                                       |                           | 122   | 5610        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 138   | 5690        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 106   | 5530        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   |                   |
|                                       |                           | 122   | 5610        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 138   | 5690        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 106   | 5530        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   |                   |
|                                       |                           | 122   | 5610        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 138   | 5690        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |

**Wi-Fi 5.5 GHz Band Measured Results continued**

| Band (GHz)                            | No. of Transmitters       | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|---------------------------------------|---------------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                       |                           |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                       |                           |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.5<br>802.11ac<br>(OFDM)<br>U-NII-2C | 2 Tx<br>VHT80<br>STBC/SDM | 106   | 5530        | 12.50                      | 12.50   |         | 12.50                     | 12.50   |         | No                |
|                                       |                           | 122   | 5610        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 138   | 5690        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 106   | 5530        | 12.50                      |         | 12.50   | 12.50                     |         | 12.50   | No                |
|                                       |                           | 122   | 5610        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 138   | 5690        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 106   | 5530        |                            | 12.50   | 12.50   |                           | 12.50   | 12.50   | No                |
|                                       |                           | 122   | 5610        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       |                           | 138   | 5690        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       | 2 Tx<br>VHT80 TXBF        | 106   | 5530        | 11.00                      | 11.00   |         | 11.00                     | 11.00   |         | No                |
|                                       |                           | 122   | 5610        | 16.00                      | 15.50   |         | 16.00                     | 15.50   |         |                   |
|                                       |                           | 138   | 5690        | 17.50                      | 15.50   |         | 17.50                     | 15.50   |         |                   |
|                                       |                           | 106   | 5530        | 11.00                      |         | 11.00   | 11.00                     |         | 11.00   | No                |
|                                       |                           | 122   | 5610        | 16.00                      |         | 16.00   | 16.00                     |         | 16.00   |                   |
|                                       |                           | 138   | 5690        | 17.50                      |         | 16.75   | 17.50                     |         | 16.75   |                   |
|                                       |                           | 106   | 5530        |                            | 11.00   | 11.00   |                           | 11.00   | 11.00   | No                |
|                                       |                           | 122   | 5610        |                            | 15.50   | 16.00   |                           | 15.50   | 16.00   |                   |
|                                       |                           | 138   | 5690        |                            | 15.50   | 16.75   |                           | 15.50   | 16.75   |                   |
|                                       | 3 Tx<br>VHT80 CDD         | 106   | 5530        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | Yes               |
|                                       |                           | 122   | 5610        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 138   | 5690        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       | 3 Tx<br>VHT80<br>STBC/SDM | 106   | 5530        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                                       |                           | 122   | 5610        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       |                           | 138   | 5690        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |
|                                       | 3 Tx<br>VHT80 TXBF        | 106   | 5530        | 11.00                      | 11.00   | 11.00   | 11.00                     | 11.00   | 11.00   | Yes               |
|                                       |                           | 122   | 5610        | 14.75                      | 14.75   | 14.75   | 14.75                     | 14.75   | 14.75   |                   |
|                                       |                           | 138   | 5690        | 17.50                      | 15.50   | 16.75   | 17.50                     | 15.50   | 16.75   |                   |

**Wi-Fi 5.8 GHz Band Measured Results**

| Band (GHz)                          | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|-------------------------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                     |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                     |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.8<br>802.11a<br>(OFDM)<br>U-NII-3 | 1 Tx                | 149   | 5745        | 16.00                      |         |         | 16.00                     |         |         | Yes               |
|                                     |                     | 153   | 5765        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                                     |                     | 157   | 5785        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                                     |                     | 161   | 5805        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                                     |                     | 165   | 5825        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                                     |                     | 149   | 5745        |                            | 16.00   |         |                           | 16.00   |         | No                |
|                                     |                     | 153   | 5765        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                                     |                     | 157   | 5785        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                                     |                     | 161   | 5805        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                                     |                     | 165   | 5825        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                                     |                     | 149   | 5745        |                            |         | 16.00   |                           |         | 16.00   | Yes               |
|                                     |                     | 153   | 5765        |                            |         | 18.50   |                           |         | 18.50   |                   |
|                                     |                     | 157   | 5785        |                            |         | 18.50   |                           |         | 18.50   |                   |
|                                     |                     | 161   | 5805        |                            |         | 18.50   |                           |         | 18.50   |                   |
|                                     |                     | 165   | 5825        |                            |         | 18.50   |                           |         | 18.50   |                   |
|                                     | 2 Tx<br>CDD         | 149   | 5745        | 17.50                      | 16.50   |         | 17.50                     | 16.50   |         | Yes               |
|                                     |                     | 153   | 5765        | 18.50                      | 16.50   |         | 18.50                     | 16.50   |         |                   |
|                                     |                     | 157   | 5785        | 18.50                      | 16.50   |         | 18.50                     | 16.50   |         |                   |
|                                     |                     | 161   | 5805        | 18.50                      | 16.50   |         | 18.50                     | 16.50   |         |                   |
|                                     |                     | 165   | 5825        | 17.50                      | 16.50   |         | 17.50                     | 16.50   |         |                   |
|                                     |                     | 149   | 5745        | 17.50                      |         | 17.50   | 17.50                     |         | 17.50   | No                |
|                                     |                     | 153   | 5765        | 18.50                      |         | 18.50   | 18.50                     |         | 18.50   |                   |
|                                     |                     | 157   | 5785        | 18.50                      |         | 18.50   | 18.50                     |         | 18.50   |                   |
|                                     |                     | 161   | 5805        | 18.50                      |         | 18.50   | 18.50                     |         | 18.50   |                   |
|                                     |                     | 165   | 5825        | 17.50                      |         | 17.50   | 17.50                     |         | 17.50   |                   |
|                                     |                     | 149   | 5745        |                            | 16.50   | 17.50   |                           | 16.50   | 17.50   | Yes               |
|                                     |                     | 153   | 5765        |                            | 16.50   | 18.50   |                           | 16.50   | 18.50   |                   |
|                                     |                     | 157   | 5785        |                            | 16.50   | 18.50   |                           | 16.50   | 18.50   |                   |
|                                     |                     | 161   | 5805        |                            | 16.50   | 18.50   |                           | 16.50   | 18.50   |                   |
|                                     |                     | 165   | 5825        |                            | 16.50   | 17.50   |                           | 16.50   | 17.50   |                   |
|                                     | 2 Tx<br>TXBF        | 149   | 5745        | 16.50                      | 16.50   |         | 16.50                     | 16.50   |         | No                |
|                                     |                     | 153   | 5765        | 18.50                      | 16.50   |         | 18.50                     | 16.50   |         |                   |
|                                     |                     | 157   | 5785        | 18.50                      | 16.50   |         | 18.50                     | 16.50   |         |                   |
|                                     |                     | 161   | 5805        | 18.50                      | 16.50   |         | 18.50                     | 16.50   |         |                   |
|                                     |                     | 165   | 5825        | 18.00                      | 16.50   |         | 18.00                     | 16.50   |         |                   |
|                                     |                     | 149   | 5745        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                                     |                     | 153   | 5765        | 18.50                      |         | 18.50   | 18.50                     |         | 18.50   |                   |
|                                     |                     | 157   | 5785        | 18.50                      |         | 18.50   | 18.50                     |         | 18.50   |                   |
|                                     |                     | 161   | 5805        | 18.50                      |         | 18.50   | 18.50                     |         | 18.50   |                   |
|                                     |                     | 165   | 5825        | 18.00                      |         | 18.00   | 18.00                     |         | 18.00   |                   |
|                                     |                     | 149   | 5745        |                            | 16.50   | 16.50   |                           | 16.50   | 16.50   |                   |
|                                     |                     | 153   | 5765        |                            | 16.50   | 16.50   |                           | 16.50   | 16.50   |                   |
|                                     |                     | 157   | 5785        |                            | 16.50   | 18.50   |                           | 16.50   | 18.50   |                   |
|                                     |                     | 161   | 5805        |                            | 16.50   | 18.50   |                           | 16.50   | 18.50   |                   |
|                                     |                     | 165   | 5825        |                            | 16.50   | 18.00   |                           | 16.50   | 18.00   |                   |

**Wi-Fi 5.8 GHz Band Measured Results continued**

| Band (GHz)         | No. of Transmitters    | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------|------------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                    |                        |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                    |                        |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.8 (OFDM) U-NII-3 | 3 Tx CDD/TxBF          | 149   | 5745        | 18.00                      | 16.50   | 18.00   | 18.00                     | 16.50   | 18.00   | Yes               |
|                    |                        | 153   | 5765        | 18.50                      | 16.50   | 18.50   | 18.50                     | 16.50   | 18.50   |                   |
|                    |                        | 157   | 5785        | 18.50                      | 16.50   | 18.50   | 18.50                     | 16.50   | 18.50   |                   |
|                    |                        | 161   | 5805        | 18.50                      | 16.50   | 18.50   | 18.50                     | 16.50   | 18.50   |                   |
|                    |                        | 165   | 5825        | 18.00                      | 16.50   | 18.00   | 18.00                     | 16.50   | 18.00   |                   |
|                    | 1 Tx SISO HT20         | 149   | 5745        | 16.00                      |         |         | 16.00                     |         |         | No                |
|                    |                        | 153   | 5765        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                    |                        | 157   | 5785        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                    |                        | 161   | 5805        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                    |                        | 165   | 5825        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                    |                        | 149   | 5745        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                    |                        | 153   | 5765        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                    |                        | 157   | 5785        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                    |                        | 161   | 5805        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                    |                        | 165   | 5825        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                    |                        | 149   | 5745        |                            |         | 16.00   |                           |         | 16.00   |                   |
|                    |                        | 153   | 5765        |                            |         | 18.50   |                           |         | 18.50   |                   |
|                    |                        | 157   | 5785        |                            |         | 18.50   |                           |         | 18.50   |                   |
|                    |                        | 161   | 5805        |                            |         | 18.50   |                           |         | 18.50   |                   |
|                    |                        | 165   | 5825        |                            |         | 18.50   |                           |         | 18.50   |                   |
|                    | 2 Tx HT20 CDD/STBC/SDM | 149   | 5745        | 17.50                      | 16.50   |         | 17.50                     | 16.50   |         | No                |
|                    |                        | 157   | 5785        | 18.50                      | 16.50   |         | 18.50                     | 16.50   |         |                   |
|                    |                        | 165   | 5825        | 17.50                      | 16.50   |         | 17.50                     | 16.50   |         |                   |
|                    |                        | 149   | 5745        | 17.50                      |         | 17.50   | 17.50                     |         | 17.50   |                   |
|                    |                        | 157   | 5785        | 18.50                      |         | 18.50   | 18.50                     |         | 18.50   |                   |
|                    |                        | 165   | 5825        | 17.50                      |         | 17.50   | 17.50                     |         | 17.50   |                   |
|                    |                        | 149   | 5745        |                            | 16.50   | 17.50   |                           | 16.50   | 17.50   |                   |
|                    |                        | 157   | 5785        |                            | 16.50   | 18.50   |                           | 16.50   | 18.50   |                   |
|                    | 2 Tx HT20 TXBF         | 165   | 5825        |                            | 16.50   | 17.50   |                           | 16.50   | 17.50   |                   |
|                    |                        | 149   | 5745        | 16.50                      | 16.50   |         | 16.50                     | 16.50   |         | No                |
|                    |                        | 157   | 5785        | 18.50                      | 16.50   |         | 18.50                     | 16.50   |         |                   |
|                    |                        | 165   | 5825        | 18.00                      | 16.50   |         | 18.00                     | 16.50   |         |                   |
|                    |                        | 149   | 5745        | 16.50                      |         | 16.50   | 16.50                     |         | 16.50   |                   |
|                    |                        | 157   | 5785        | 18.50                      |         | 18.50   | 18.50                     |         | 18.50   |                   |
|                    |                        | 165   | 5825        | 18.00                      |         | 18.00   | 18.00                     |         | 18.00   |                   |
|                    |                        | 149   | 5745        |                            | 16.50   | 16.50   |                           | 16.50   | 16.50   |                   |
|                    |                        | 157   | 5785        |                            | 16.50   | 18.50   |                           | 16.50   | 18.50   |                   |
|                    |                        | 165   | 5825        |                            | 16.50   | 18.00   |                           | 16.50   | 18.00   |                   |

**Wi-Fi 5.8 GHz Band Measured Results continued**

| Band (GHz)         | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------|---------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                    |                     |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                    |                     |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.8 (OFDM) U-NII-3 | 3 Tx HT20 CDD/      | 149   | 5745        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                    |                     | 157   | 5785        | 18.50                      | 16.50   | 18.50   | 18.50                     | 16.50   | 18.50   |                   |
|                    |                     | 165   | 5825        | 17.50                      | 16.50   | 17.50   | 17.50                     | 16.50   | 17.50   |                   |
|                    | 3 Tx HT20 STBC/SDM  | 149   | 5745        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                    |                     | 157   | 5785        | 18.50                      | 16.50   | 18.50   | 18.50                     | 16.50   | 18.50   |                   |
|                    |                     | 165   | 5825        | 17.50                      | 16.50   | 17.50   | 17.50                     | 16.50   | 17.50   |                   |
|                    | 3 Tx HT20 TXBF      | 149   | 5745        | 14.50                      | 14.50   | 14.50   | 14.50                     | 14.50   | 14.50   | No                |
|                    |                     | 157   | 5785        | 18.00                      | 16.50   | 18.00   | 18.00                     | 16.50   | 18.00   |                   |
|                    |                     | 165   | 5825        | 18.00                      | 16.50   | 18.00   | 18.00                     | 16.50   | 18.00   |                   |
|                    | 1 Tx HT40 SISO      | 151   | 5755        | 14.50                      |         |         | 14.50                     |         |         | No                |
|                    |                     | 159   | 5795        | 18.00                      |         |         | 18.00                     |         |         |                   |
|                    |                     | 151   | 5755        |                            | 14.50   |         |                           | 14.50   |         | Yes               |
|                    |                     | 159   | 5795        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                    |                     | 151   | 5755        |                            |         | 14.50   |                           |         | 14.50   | No                |
|                    |                     | 159   | 5795        |                            |         | 18.00   |                           |         | 18.00   |                   |
|                    | 2 Tx HT40 CDD       | 151   | 5755        | 15.00                      | 15.00   |         | 15.00                     | 15.00   |         | No                |
|                    |                     | 159   | 5795        | 17.50                      | 16.50   |         | 17.50                     | 16.50   |         |                   |
|                    |                     | 151   | 5755        | 15.00                      |         | 15.00   | 15.00                     |         | 15.00   |                   |
|                    |                     | 159   | 5795        | 17.50                      |         | 17.50   | 17.50                     |         | 17.50   |                   |
|                    |                     | 151   | 5755        |                            | 15.00   | 15.00   |                           | 15.00   | 15.00   |                   |
|                    |                     | 159   | 5795        |                            | 16.50   | 17.50   |                           | 16.50   | 17.50   |                   |
|                    | 2 Tx HT40 TXBF      | 151   | 5755        | 15.50                      | 15.50   |         | 15.50                     | 15.50   |         | No                |
|                    |                     | 159   | 5795        | 18.00                      | 16.50   |         | 18.00                     | 16.50   |         |                   |
|                    |                     | 151   | 5755        | 15.50                      |         | 15.50   | 15.50                     |         | 15.50   |                   |
|                    |                     | 159   | 5795        | 18.00                      |         | 18.00   | 18.00                     |         | 18.00   |                   |
|                    |                     | 151   | 5755        |                            | 15.50   | 15.50   |                           | 15.50   | 15.50   |                   |
|                    |                     | 159   | 5795        |                            | 16.50   | 18.00   |                           | 16.50   | 18.00   |                   |
|                    | 3 Tx HT40 CDD       | 151   | 5755        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                    |                     | 159   | 5795        | 17.50                      | 16.50   | 17.50   | 17.50                     | 16.50   | 17.50   |                   |
|                    | 3 Tx HT40 STBC/SDM  | 151   | 5755        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                    |                     | 159   | 5795        | 17.50                      | 16.50   | 17.50   | 17.50                     | 16.50   | 17.50   |                   |
|                    | 3 Tx HT40 TXBF      | 151   | 5755        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   | No                |
|                    |                     | 159   | 5795        | 18.00                      | 16.50   | 18.00   | 18.00                     | 16.50   | 18.00   |                   |
|                    | 1 Tx VHT20 SISO     | 149   | 5745        | 16.00                      |         |         | 16.00                     |         |         | No                |
|                    |                     | 157   | 5785        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                    |                     | 165   | 5825        | 18.50                      |         |         | 18.50                     |         |         |                   |
|                    |                     | 149   | 5745        |                            | 16.00   |         |                           | 16.00   |         |                   |
|                    |                     | 157   | 5785        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                    |                     | 165   | 5825        |                            | 16.50   |         |                           | 16.50   |         |                   |
|                    |                     | 149   | 5745        |                            |         | 16.00   |                           |         | 16.00   |                   |
|                    |                     | 157   | 5785        |                            |         | 18.50   |                           |         | 18.50   |                   |
|                    |                     | 165   | 5825        |                            |         | 18.50   |                           |         | 18.50   |                   |

**Wi-Fi 5.8 GHz Band Measured Results continued**

| Band (GHz)                           | No. of Transmitters               | Ch. # | Freq. (MHz) | Maximum Target power (dBm) |         |         | Measured Avg. Power (dBm) |         |         | SAR Test (Yes/No) |
|--------------------------------------|-----------------------------------|-------|-------------|----------------------------|---------|---------|---------------------------|---------|---------|-------------------|
|                                      |                                   |       |             | Wi-Fi 1                    | Wi-Fi 2 | Wi-Fi 3 | Wi-Fi 1                   | Wi-Fi 2 | Wi-Fi 3 |                   |
|                                      |                                   |       |             | Chain 3                    | Chain 1 | Chain 2 | Chain 3                   | Chain 1 | Chain 2 |                   |
| 5.8<br>802.11ac<br>(OFDM)<br>U-NII-3 | 2 Tx<br>VHT40<br>CDD/STBC/<br>SDM | 151   | 5755        | 15.00                      | 15.00   |         | 15.00                     | 15.00   |         | No                |
|                                      |                                   | 159   | 5795        | 17.50                      | 16.50   |         | 17.50                     | 16.50   |         |                   |
|                                      |                                   | 151   | 5755        | 15.00                      |         | 15.00   | 15.00                     |         | 15.00   |                   |
|                                      |                                   | 159   | 5795        | 17.50                      |         | 17.50   | 17.50                     |         | 17.50   |                   |
|                                      |                                   | 151   | 5755        |                            | 15.00   | 15.00   |                           | 15.00   | 15.00   |                   |
|                                      |                                   | 159   | 5795        |                            | 16.50   | 17.50   |                           | 16.50   | 17.50   |                   |
|                                      | 2 Tx<br>VHT40 TXBF                | 151   | 5755        | 15.50                      | 15.50   |         | 15.50                     | 15.50   |         | No                |
|                                      |                                   | 159   | 5795        | 17.50                      | 16.50   |         | 17.50                     | 16.50   |         |                   |
|                                      |                                   | 151   | 5755        | 15.50                      |         | 15.50   | 15.50                     |         | 15.50   |                   |
|                                      |                                   | 159   | 5795        | 17.50                      |         | 17.50   | 17.50                     |         | 17.50   |                   |
|                                      |                                   | 151   | 5755        |                            | 15.50   | 15.50   |                           | 15.50   | 15.50   |                   |
|                                      |                                   | 159   | 5795        |                            | 16.50   | 18.00   |                           | 16.50   | 18.00   |                   |
|                                      | 3 Tx<br>VHT40 CDD                 | 151   | 5755        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                                      |                                   | 159   | 5795        | 17.50                      | 16.50   | 17.50   | 17.50                     | 16.50   | 17.50   |                   |
|                                      | 3 Tx<br>VHT40<br>STBC/SDM         | 151   | 5755        | 12.50                      | 12.50   | 12.50   | 12.50                     | 12.50   | 12.50   | No                |
|                                      |                                   | 159   | 5795        | 17.50                      | 16.50   | 17.50   | 17.50                     | 16.50   | 17.50   |                   |
|                                      | 3 Tx<br>VHT40 TXBF                | 151   | 5755        | 15.00                      | 15.00   | 15.00   | 15.00                     | 15.00   | 15.00   | No                |
|                                      |                                   | 159   | 5795        | 17.50                      | 16.50   | 17.50   | 17.50                     | 16.50   | 17.50   |                   |
|                                      | 2Tx VHT80<br>CDD/STBC/S<br>DM     | 155   | 5775        | 14.50                      | 14.50   |         | 14.50                     | 14.50   |         | No                |
|                                      |                                   | 155   | 5775        | 14.50                      |         | 14.50   | 14.50                     |         | 14.50   |                   |
|                                      |                                   | 155   | 5775        |                            | 14.50   | 14.50   |                           | 14.50   | 14.50   |                   |
|                                      | 2 Tx<br>VHT80 TXBF                | 155   | 5775        | 14.75                      | 14.75   |         | 14.75                     | 14.75   |         | No                |
|                                      |                                   | 155   | 5775        | 14.75                      |         | 14.75   | 14.75                     |         | 14.75   |                   |
|                                      |                                   | 155   | 5775        |                            | 14.75   | 14.75   |                           | 14.75   | 14.75   |                   |
|                                      | 3 Tx<br>VHT80 CDD                 | 155   | 5775        | 13.00                      | 13.00   | 13.00   | 13.00                     | 13.00   | 13.00   | No                |
|                                      | 3 Tx<br>VHT80<br>STBC/<br>SDM     | 155   | 5775        | 13.00                      | 13.00   | 13.00   | 13.00                     | 13.00   | 13.00   | No                |
|                                      | 3 Tx<br>VHT80 TXBF                | 155   | 5775        | 13.00                      | 13.00   | 13.00   | 13.00                     | 13.00   | 13.00   | No                |

### 8.3. Bluetooth Measured Power

| Band<br>(GHz) | Mode                | Ch # | Freq.<br>(MHz) | Avg Power<br>(dBm) |
|---------------|---------------------|------|----------------|--------------------|
|               |                     |      |                | Wi-Fi 3            |
|               |                     |      |                | Chain 2            |
| 2.4           | V1.8 + EDR,<br>GFSK | 0    | 2402           | 7.8                |
|               |                     | 39   | 2441           | 8.2                |
|               |                     | 78   | 2480           | 7.9                |
|               | V1.8 + EDR,<br>QPSK | 0    | 2402           | 4.5                |
|               |                     | 39   | 2441           | 4.4                |
|               |                     | 78   | 2480           | 4.5                |
|               | V1.8 BLE,<br>8PSK   | 0    | 2402           | 2.0                |
|               |                     | 19   | 2440           | 2.2                |
|               |                     | 39   | 2480           | 2.1                |

## 9. Dielectric Property Measurements

The temperature of the tissue-equivalent medium used during measurement must also be within 18°C to 25°C and within  $\pm 2^\circ\text{C}$  of the temperature when the tissue parameters are characterized.

The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 3 – 4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.

Tissue dielectric parameters were measured at the low, middle and high frequency of each operating frequency range of the test device.

### 9.1. Tissue Dielectric Parameters

#### FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

| Target Frequency (MHz) | Head         |                | Body         |                |
|------------------------|--------------|----------------|--------------|----------------|
|                        | $\epsilon_r$ | $\sigma$ (S/m) | $\epsilon_r$ | $\sigma$ (S/m) |
| 150                    | 52.3         | 0.76           | 61.9         | 0.80           |
| 300                    | 45.3         | 0.87           | 58.2         | 0.92           |
| 450                    | 43.5         | 0.87           | 56.7         | 0.94           |
| 835                    | 41.5         | 0.90           | 55.2         | 0.97           |
| 900                    | 41.5         | 0.97           | 55.0         | 1.05           |
| 915                    | 41.5         | 0.98           | 55.0         | 1.06           |
| 1450                   | 40.5         | 1.20           | 54.0         | 1.30           |
| 1610                   | 40.3         | 1.29           | 53.8         | 1.40           |
| 1800 – 2000            | 40.0         | 1.40           | 53.3         | 1.52           |
| 2450                   | 39.2         | 1.80           | 52.7         | 1.95           |
| 3000                   | 38.5         | 2.40           | 52.0         | 2.73           |
| 5000                   | 36.2         | 4.45           | 49.3         | 5.07           |
| 5100                   | 36.1         | 4.55           | 49.1         | 5.18           |
| 5200                   | 36.0         | 4.66           | 49.0         | 5.30           |
| 5300                   | 35.9         | 4.76           | 48.9         | 5.42           |
| 5400                   | 35.8         | 4.86           | 48.7         | 5.53           |
| 5500                   | 35.6         | 4.96           | 48.6         | 5.65           |
| 5600                   | 35.5         | 5.07           | 48.5         | 5.77           |
| 5700                   | 35.4         | 5.17           | 48.3         | 5.88           |
| 5800                   | 35.3         | 5.27           | 48.2         | 6.00           |

#### IEEE Std 1528-2013

Refer to Table 3

## 9.2. Dielectric Property Measurements Results

### DASY A

| Date      | Freq. (MHz) | Liquid Parameters |         |                                         | Measured | Target | Delta (%) | Limit ±(%) |
|-----------|-------------|-------------------|---------|-----------------------------------------|----------|--------|-----------|------------|
| 3/23/2015 | Body 5180   | e'                | 47.1500 | Relative Permittivity ( $\epsilon_r$ ): | 47.15    | 49.05  | -3.87     | 5          |
|           |             | e"                | 18.0400 | Conductivity ( $\sigma$ ):              | 5.20     | 5.27   | -1.43     | 5          |
|           | Body 5200   | e'                | 47.0900 | Relative Permittivity ( $\epsilon_r$ ): | 47.09    | 49.02  | -3.94     | 5          |
|           |             | e"                | 18.0500 | Conductivity ( $\sigma$ ):              | 5.22     | 5.29   | -1.43     | 5          |
|           | Body 5600   | e'                | 46.4500 | Relative Permittivity ( $\epsilon_r$ ): | 46.45    | 48.48  | -4.18     | 5          |
|           |             | e"                | 18.3200 | Conductivity ( $\sigma$ ):              | 5.70     | 5.76   | -0.98     | 5          |
|           | Body 5800   | e'                | 46.1900 | Relative Permittivity ( $\epsilon_r$ ): | 46.19    | 48.20  | -4.17     | 5          |
|           |             | e"                | 18.4200 | Conductivity ( $\sigma$ ):              | 5.94     | 6.00   | -0.99     | 5          |
|           | Body 5825   | e'                | 46.1500 | Relative Permittivity ( $\epsilon_r$ ): | 46.15    | 48.20  | -4.25     | 5          |
|           |             | e"                | 18.4800 | Conductivity ( $\sigma$ ):              | 5.99     | 6.00   | -0.24     | 5          |
| 3/24/2015 | Body 5180   | e'                | 48.5000 | Relative Permittivity ( $\epsilon_r$ ): | 48.50    | 49.05  | -1.11     | 5          |
|           |             | e"                | 18.0800 | Conductivity ( $\sigma$ ):              | 5.21     | 5.27   | -1.21     | 5          |
|           | Body 5200   | e'                | 48.5000 | Relative Permittivity ( $\epsilon_r$ ): | 48.50    | 49.02  | -1.06     | 5          |
|           |             | e"                | 18.0500 | Conductivity ( $\sigma$ ):              | 5.22     | 5.29   | -1.43     | 5          |
|           | Body 5600   | e'                | 48.0500 | Relative Permittivity ( $\epsilon_r$ ): | 48.05    | 48.48  | -0.88     | 5          |
|           |             | e"                | 18.3300 | Conductivity ( $\sigma$ ):              | 5.71     | 5.76   | -0.93     | 5          |
|           | Body 5800   | e'                | 47.8400 | Relative Permittivity ( $\epsilon_r$ ): | 47.84    | 48.20  | -0.75     | 5          |
|           |             | e"                | 18.5200 | Conductivity ( $\sigma$ ):              | 5.97     | 6.00   | -0.46     | 5          |
|           | Body 5825   | e'                | 47.8500 | Relative Permittivity ( $\epsilon_r$ ): | 47.85    | 48.20  | -0.73     | 5          |
|           |             | e"                | 18.5900 | Conductivity ( $\sigma$ ):              | 6.02     | 6.00   | 0.35      | 5          |
| 5/4/2015  | Body 5180   | e'                | 47.7500 | Relative Permittivity ( $\epsilon_r$ ): | 47.75    | 49.05  | -2.64     | 5          |
|           |             | e"                | 18.2300 | Conductivity ( $\sigma$ ):              | 5.25     | 5.27   | -0.39     | 5          |
|           | Body 5200   | e'                | 47.7300 | Relative Permittivity ( $\epsilon_r$ ): | 47.73    | 49.02  | -2.63     | 5          |
|           |             | e"                | 18.2900 | Conductivity ( $\sigma$ ):              | 5.29     | 5.29   | -0.12     | 5          |
|           | Body 5600   | e'                | 47.4200 | Relative Permittivity ( $\epsilon_r$ ): | 47.42    | 48.48  | -2.18     | 5          |
|           |             | e"                | 18.5000 | Conductivity ( $\sigma$ ):              | 5.76     | 5.76   | -0.01     | 5          |
|           | Body 5800   | e'                | 47.0400 | Relative Permittivity ( $\epsilon_r$ ): | 47.04    | 48.20  | -2.41     | 5          |
|           |             | e"                | 18.5700 | Conductivity ( $\sigma$ ):              | 5.99     | 6.00   | -0.19     | 5          |
|           | Body 5825   | e'                | 47.0200 | Relative Permittivity ( $\epsilon_r$ ): | 47.02    | 48.20  | -2.45     | 5          |
|           |             | e"                | 18.6900 | Conductivity ( $\sigma$ ):              | 6.05     | 6.00   | 0.89      | 5          |

**DASY B**

| Date      | Freq. (MHz) | Liquid Parameters |         |                                          | Measured | Target | Delta (%) | Limit ±(%) |
|-----------|-------------|-------------------|---------|------------------------------------------|----------|--------|-----------|------------|
| 3/23/2015 | Body 5180   | e'                | 47.6000 | Relative Permittivity (ε <sub>r</sub> ): | 47.60    | 49.05  | -2.95     | 5          |
|           |             | e"                | 18.0700 | Conductivity (σ):                        | 5.20     | 5.27   | -1.27     | 5          |
|           | Body 5200   | e'                | 47.5600 | Relative Permittivity (ε <sub>r</sub> ): | 47.56    | 49.02  | -2.98     | 5          |
|           |             | e"                | 18.1000 | Conductivity (σ):                        | 5.23     | 5.29   | -1.16     | 5          |
|           | Body 5600   | e'                | 46.9100 | Relative Permittivity (ε <sub>r</sub> ): | 46.91    | 48.48  | -3.23     | 5          |
|           |             | e"                | 18.3600 | Conductivity (σ):                        | 5.72     | 5.76   | -0.77     | 5          |
|           | Body 5800   | e'                | 46.6400 | Relative Permittivity (ε <sub>r</sub> ): | 46.64    | 48.20  | -3.24     | 5          |
|           |             | e"                | 18.4700 | Conductivity (σ):                        | 5.96     | 6.00   | -0.72     | 5          |
|           | Body 5825   | e'                | 46.5900 | Relative Permittivity (ε <sub>r</sub> ): | 46.59    | 48.20  | -3.34     | 5          |
|           |             | e"                | 18.5300 | Conductivity (σ):                        | 6.00     | 6.00   | 0.03      | 5          |
| 3/24/2015 | Body 5180   | e'                | 48.5400 | Relative Permittivity (ε <sub>r</sub> ): | 48.54    | 49.05  | -1.03     | 5          |
|           |             | e"                | 17.9000 | Conductivity (σ):                        | 5.16     | 5.27   | -2.20     | 5          |
|           | Body 5200   | e'                | 48.5100 | Relative Permittivity (ε <sub>r</sub> ): | 48.51    | 49.02  | -1.04     | 5          |
|           |             | e"                | 17.8600 | Conductivity (σ):                        | 5.16     | 5.29   | -2.47     | 5          |
|           | Body 5600   | e'                | 48.0900 | Relative Permittivity (ε <sub>r</sub> ): | 48.09    | 48.48  | -0.80     | 5          |
|           |             | e"                | 18.1400 | Conductivity (σ):                        | 5.65     | 5.76   | -1.96     | 5          |
|           | Body 5800   | e'                | 47.9000 | Relative Permittivity (ε <sub>r</sub> ): | 47.90    | 48.20  | -0.62     | 5          |
|           |             | e"                | 18.2700 | Conductivity (σ):                        | 5.89     | 6.00   | -1.80     | 5          |
|           | Body 5825   | e'                | 47.9100 | Relative Permittivity (ε <sub>r</sub> ): | 47.91    | 48.20  | -0.60     | 5          |
|           |             | e"                | 18.3400 | Conductivity (σ):                        | 5.94     | 6.00   | -1.00     | 5          |
| 4/27/2015 | Body 5180   | e'                | 49.3300 | Relative Permittivity (ε <sub>r</sub> ): | 49.33    | 49.05  | 0.58      | 5          |
|           |             | e"                | 17.5800 | Conductivity (σ):                        | 5.06     | 5.27   | -3.94     | 5          |
|           | Body 5200   | e'                | 49.3500 | Relative Permittivity (ε <sub>r</sub> ): | 49.35    | 49.02  | 0.67      | 5          |
|           |             | e"                | 17.6800 | Conductivity (σ):                        | 5.11     | 5.29   | -3.45     | 5          |
|           | Body 5600   | e'                | 48.8400 | Relative Permittivity (ε <sub>r</sub> ): | 48.84    | 48.48  | 0.75      | 5          |
|           |             | e"                | 17.9900 | Conductivity (σ):                        | 5.60     | 5.76   | -2.77     | 5          |
|           | Body 5800   | e'                | 48.4500 | Relative Permittivity (ε <sub>r</sub> ): | 48.45    | 48.20  | 0.52      | 5          |
|           |             | e"                | 18.0700 | Conductivity (σ):                        | 5.83     | 6.00   | -2.87     | 5          |
|           | Body 5825   | e'                | 48.4500 | Relative Permittivity (ε <sub>r</sub> ): | 48.45    | 48.20  | 0.52      | 5          |
|           |             | e"                | 18.1800 | Conductivity (σ):                        | 5.89     | 6.00   | -1.86     | 5          |
| 5/4/2015  | Body 5180   | e'                | 47.8400 | Relative Permittivity (ε <sub>r</sub> ): | 47.84    | 49.05  | -2.46     | 5          |
|           |             | e"                | 18.1900 | Conductivity (σ):                        | 5.24     | 5.27   | -0.61     | 5          |
|           | Body 5200   | e'                | 47.8100 | Relative Permittivity (ε <sub>r</sub> ): | 47.81    | 49.02  | -2.47     | 5          |
|           |             | e"                | 18.2200 | Conductivity (σ):                        | 5.27     | 5.29   | -0.50     | 5          |
|           | Body 5600   | e'                | 47.4400 | Relative Permittivity (ε <sub>r</sub> ): | 47.44    | 48.48  | -2.14     | 5          |
|           |             | e"                | 18.4600 | Conductivity (σ):                        | 5.75     | 5.76   | -0.23     | 5          |
|           | Body 5800   | e'                | 47.1200 | Relative Permittivity (ε <sub>r</sub> ): | 47.12    | 48.20  | -2.24     | 5          |
|           |             | e"                | 18.5100 | Conductivity (σ):                        | 5.97     | 6.00   | -0.51     | 5          |
|           | Body 5825   | e'                | 47.0700 | Relative Permittivity (ε <sub>r</sub> ): | 47.07    | 48.20  | -2.34     | 5          |
|           |             | e"                | 18.6600 | Conductivity (σ):                        | 6.04     | 6.00   | 0.73      | 5          |
| 5/6/2015  | Body 5180   | e'                | 46.9700 | Relative Permittivity (ε <sub>r</sub> ): | 46.97    | 49.05  | -4.23     | 5          |
|           |             | e"                | 18.1200 | Conductivity (σ):                        | 5.22     | 5.27   | -0.99     | 5          |
|           | Body 5200   | e'                | 46.9600 | Relative Permittivity (ε <sub>r</sub> ): | 46.96    | 49.02  | -4.20     | 5          |
|           |             | e"                | 18.1900 | Conductivity (σ):                        | 5.26     | 5.29   | -0.67     | 5          |
|           | Body 5600   | e'                | 46.3300 | Relative Permittivity (ε <sub>r</sub> ): | 46.33    | 48.48  | -4.43     | 5          |
|           |             | e"                | 18.5200 | Conductivity (σ):                        | 5.77     | 5.76   | 0.10      | 5          |
|           | Body 5800   | e'                | 45.9700 | Relative Permittivity (ε <sub>r</sub> ): | 45.97    | 48.20  | -4.63     | 5          |
|           |             | e"                | 18.6400 | Conductivity (σ):                        | 6.01     | 6.00   | 0.19      | 5          |
|           | Body 5825   | e'                | 45.9800 | Relative Permittivity (ε <sub>r</sub> ): | 45.98    | 48.20  | -4.61     | 5          |
|           |             | e"                | 18.7500 | Conductivity (σ):                        | 6.07     | 6.00   | 1.22      | 5          |

**DASY C**

| Date      | Freq. (MHz) | Liquid Parameters |         |                                          | Measured | Target | Delta (%) | Limit ±(%) |
|-----------|-------------|-------------------|---------|------------------------------------------|----------|--------|-----------|------------|
| 3/23/2015 | Body 5180   | e'                | 47.5500 | Relative Permittivity (ε <sub>r</sub> ): | 47.55    | 49.05  | -3.05     | 5          |
|           |             | e"                | 17.9700 | Conductivity (σ):                        | 5.18     | 5.27   | -1.81     | 5          |
|           | Body 5200   | e'                | 47.4900 | Relative Permittivity (ε <sub>r</sub> ): | 47.49    | 49.02  | -3.12     | 5          |
|           |             | e"                | 18.0000 | Conductivity (σ):                        | 5.20     | 5.29   | -1.70     | 5          |
|           | Body 5600   | e'                | 46.8500 | Relative Permittivity (ε <sub>r</sub> ): | 46.85    | 48.48  | -3.36     | 5          |
|           |             | e"                | 18.2600 | Conductivity (σ):                        | 5.69     | 5.76   | -1.31     | 5          |
|           | Body 5800   | e'                | 46.5800 | Relative Permittivity (ε <sub>r</sub> ): | 46.58    | 48.20  | -3.36     | 5          |
|           |             | e"                | 18.3600 | Conductivity (σ):                        | 5.92     | 6.00   | -1.32     | 5          |
|           | Body 5825   | e'                | 46.5000 | Relative Permittivity (ε <sub>r</sub> ): | 46.50    | 48.20  | -3.53     | 5          |
|           |             | e"                | 18.4200 | Conductivity (σ):                        | 5.97     | 6.00   | -0.57     | 5          |
| 3/25/2015 | Body 2450   | e'                | 50.7300 | Relative Permittivity (ε <sub>r</sub> ): | 50.73    | 52.70  | -3.74     | 5          |
|           |             | e"                | 14.2000 | Conductivity (σ):                        | 1.93     | 1.95   | -0.80     | 5          |
|           | Body 2410   | e'                | 50.8700 | Relative Permittivity (ε <sub>r</sub> ): | 50.87    | 52.76  | -3.58     | 5          |
|           |             | e"                | 14.0600 | Conductivity (σ):                        | 1.88     | 1.91   | -1.23     | 5          |
|           | Body 2475   | e'                | 50.6100 | Relative Permittivity (ε <sub>r</sub> ): | 50.61    | 52.67  | -3.91     | 5          |
|           |             | e"                | 14.2900 | Conductivity (σ):                        | 1.97     | 1.99   | -0.94     | 5          |
| 3/30/2015 | Body 2450   | e'                | 50.3600 | Relative Permittivity (ε <sub>r</sub> ): | 50.36    | 52.70  | -4.44     | 5          |
|           |             | e"                | 14.1900 | Conductivity (σ):                        | 1.93     | 1.95   | -0.87     | 5          |
|           | Body 2410   | e'                | 50.6200 | Relative Permittivity (ε <sub>r</sub> ): | 50.62    | 52.76  | -4.05     | 5          |
|           |             | e"                | 14.0100 | Conductivity (σ):                        | 1.88     | 1.91   | -1.58     | 5          |
|           | Body 2475   | e'                | 50.3400 | Relative Permittivity (ε <sub>r</sub> ): | 50.34    | 52.67  | -4.42     | 5          |
|           |             | e"                | 14.4400 | Conductivity (σ):                        | 1.99     | 1.99   | 0.10      | 5          |
| 4/30/2015 | Body 2450   | e'                | 50.5400 | Relative Permittivity (ε <sub>r</sub> ): | 50.54    | 52.70  | -4.10     | 5          |
|           |             | e"                | 13.8900 | Conductivity (σ):                        | 1.89     | 1.95   | -2.96     | 5          |
|           | Body 2410   | e'                | 50.8500 | Relative Permittivity (ε <sub>r</sub> ): | 50.85    | 52.76  | -3.62     | 5          |
|           |             | e"                | 13.8500 | Conductivity (σ):                        | 1.86     | 1.91   | -2.70     | 5          |
|           | Body 2475   | e'                | 50.4700 | Relative Permittivity (ε <sub>r</sub> ): | 50.47    | 52.67  | -4.17     | 5          |
|           |             | e"                | 14.0900 | Conductivity (σ):                        | 1.94     | 1.99   | -2.32     | 5          |
| 5/4/2015  | Body 2450   | e'                | 50.9500 | Relative Permittivity (ε <sub>r</sub> ): | 50.95    | 52.70  | -3.32     | 5          |
|           |             | e"                | 14.1700 | Conductivity (σ):                        | 1.93     | 1.95   | -1.01     | 5          |
|           | Body 2410   | e'                | 50.9800 | Relative Permittivity (ε <sub>r</sub> ): | 50.98    | 52.76  | -3.37     | 5          |
|           |             | e"                | 13.9200 | Conductivity (σ):                        | 1.87     | 1.91   | -2.21     | 5          |
|           | Body 2475   | e'                | 50.8600 | Relative Permittivity (ε <sub>r</sub> ): | 50.86    | 52.67  | -3.43     | 5          |
|           |             | e"                | 14.2700 | Conductivity (σ):                        | 1.96     | 1.99   | -1.07     | 5          |

**DASY D**

| Date      | Freq. (MHz) | Liquid Parameters |         |                                         | Measured | Target | Delta (%) | Limit ±(%) |
|-----------|-------------|-------------------|---------|-----------------------------------------|----------|--------|-----------|------------|
| 3/23/2015 | Body 5180   | e'                | 47.6100 | Relative Permittivity ( $\epsilon_r$ ): | 47.61    | 49.05  | -2.93     | 5          |
|           |             | e"                | 17.9500 | Conductivity ( $\sigma$ ):              | 5.17     | 5.27   | -1.92     | 5          |
|           | Body 5200   | e'                | 47.5600 | Relative Permittivity ( $\epsilon_r$ ): | 47.56    | 49.02  | -2.98     | 5          |
|           |             | e"                | 17.9500 | Conductivity ( $\sigma$ ):              | 5.19     | 5.29   | -1.98     | 5          |
|           | Body 5600   | e'                | 46.9200 | Relative Permittivity ( $\epsilon_r$ ): | 46.92    | 48.48  | -3.21     | 5          |
|           |             | e"                | 18.2400 | Conductivity ( $\sigma$ ):              | 5.68     | 5.76   | -1.41     | 5          |
|           | Body 5800   | e'                | 46.6300 | Relative Permittivity ( $\epsilon_r$ ): | 46.63    | 48.20  | -3.26     | 5          |
|           |             | e"                | 18.3000 | Conductivity ( $\sigma$ ):              | 5.90     | 6.00   | -1.64     | 5          |
|           | Body 5825   | e'                | 46.6000 | Relative Permittivity ( $\epsilon_r$ ): | 46.60    | 48.20  | -3.32     | 5          |
|           |             | e"                | 18.3600 | Conductivity ( $\sigma$ ):              | 5.95     | 6.00   | -0.89     | 5          |
| 3/24/2015 | Body 2450   | e'                | 51.8600 | Relative Permittivity ( $\epsilon_r$ ): | 51.86    | 52.70  | -1.59     | 5          |
|           |             | e"                | 13.8700 | Conductivity ( $\sigma$ ):              | 1.89     | 1.95   | -3.10     | 5          |
|           | Body 2410   | e'                | 52.0000 | Relative Permittivity ( $\epsilon_r$ ): | 52.00    | 52.76  | -1.44     | 5          |
|           |             | e"                | 13.6900 | Conductivity ( $\sigma$ ):              | 1.83     | 1.91   | -3.83     | 5          |
|           | Body 2475   | e'                | 51.7700 | Relative Permittivity ( $\epsilon_r$ ): | 51.77    | 52.67  | -1.71     | 5          |
|           |             | e"                | 13.9800 | Conductivity ( $\sigma$ ):              | 1.92     | 1.99   | -3.08     | 5          |
| 4/27/2015 | Body 5180   | e'                | 47.8200 | Relative Permittivity ( $\epsilon_r$ ): | 47.82    | 49.05  | -2.50     | 5          |
|           |             | e"                | 17.7000 | Conductivity ( $\sigma$ ):              | 5.10     | 5.27   | -3.29     | 5          |
|           | Body 5200   | e'                | 47.8200 | Relative Permittivity ( $\epsilon_r$ ): | 47.82    | 49.02  | -2.45     | 5          |
|           |             | e"                | 17.7500 | Conductivity ( $\sigma$ ):              | 5.13     | 5.29   | -3.07     | 5          |
|           | Body 5600   | e'                | 47.3000 | Relative Permittivity ( $\epsilon_r$ ): | 47.30    | 48.48  | -2.43     | 5          |
|           |             | e"                | 18.0600 | Conductivity ( $\sigma$ ):              | 5.62     | 5.76   | -2.39     | 5          |
|           | Body 5800   | e'                | 46.8800 | Relative Permittivity ( $\epsilon_r$ ): | 46.88    | 48.20  | -2.74     | 5          |
|           |             | e"                | 18.2900 | Conductivity ( $\sigma$ ):              | 5.90     | 6.00   | -1.69     | 5          |
|           | Body 5825   | e'                | 46.9000 | Relative Permittivity ( $\epsilon_r$ ): | 46.90    | 48.20  | -2.70     | 5          |
|           |             | e"                | 18.3500 | Conductivity ( $\sigma$ ):              | 5.94     | 6.00   | -0.94     | 5          |
| 4/28/2015 | Body 5180   | e'                | 48.5100 | Relative Permittivity ( $\epsilon_r$ ): | 48.51    | 49.05  | -1.09     | 5          |
|           |             | e"                | 18.4100 | Conductivity ( $\sigma$ ):              | 5.30     | 5.27   | 0.59      | 5          |
|           | Body 5200   | e'                | 48.4800 | Relative Permittivity ( $\epsilon_r$ ): | 48.48    | 49.02  | -1.10     | 5          |
|           |             | e"                | 18.4400 | Conductivity ( $\sigma$ ):              | 5.33     | 5.29   | 0.70      | 5          |
|           | Body 5600   | e'                | 47.8600 | Relative Permittivity ( $\epsilon_r$ ): | 47.86    | 48.48  | -1.27     | 5          |
|           |             | e"                | 18.7600 | Conductivity ( $\sigma$ ):              | 5.84     | 5.76   | 1.40      | 5          |
|           | Body 5800   | e'                | 47.5800 | Relative Permittivity ( $\epsilon_r$ ): | 47.58    | 48.20  | -1.29     | 5          |
|           |             | e"                | 18.9500 | Conductivity ( $\sigma$ ):              | 6.11     | 6.00   | 1.86      | 5          |
|           | Body 5825   | e'                | 47.5300 | Relative Permittivity ( $\epsilon_r$ ): | 47.53    | 48.20  | -1.39     | 5          |
|           |             | e"                | 19.0000 | Conductivity ( $\sigma$ ):              | 6.15     | 6.00   | 2.56      | 5          |
| 4/30/2015 | Body 5180   | e'                | 48.1100 | Relative Permittivity ( $\epsilon_r$ ): | 48.11    | 49.05  | -1.91     | 5          |
|           |             | e"                | 18.2700 | Conductivity ( $\sigma$ ):              | 5.26     | 5.27   | -0.17     | 5          |
|           | Body 5200   | e'                | 48.0700 | Relative Permittivity ( $\epsilon_r$ ): | 48.07    | 49.02  | -1.94     | 5          |
|           |             | e"                | 18.2700 | Conductivity ( $\sigma$ ):              | 5.28     | 5.29   | -0.23     | 5          |
|           | Body 5600   | e'                | 47.5300 | Relative Permittivity ( $\epsilon_r$ ): | 47.53    | 48.48  | -1.95     | 5          |
|           |             | e"                | 18.6300 | Conductivity ( $\sigma$ ):              | 5.80     | 5.76   | 0.69      | 5          |
|           | Body 5800   | e'                | 47.2000 | Relative Permittivity ( $\epsilon_r$ ): | 47.20    | 48.20  | -2.07     | 5          |
|           |             | e"                | 18.8700 | Conductivity ( $\sigma$ ):              | 6.09     | 6.00   | 1.43      | 5          |
|           | Body 5825   | e'                | 47.2500 | Relative Permittivity ( $\epsilon_r$ ): | 47.25    | 48.20  | -1.97     | 5          |
|           |             | e"                | 18.8200 | Conductivity ( $\sigma$ ):              | 6.10     | 6.00   | 1.59      | 5          |

**DASY D Continued**

| Date     | Freq. (MHz) | Liquid Parameters |         |                                         | Measured | Target | Delta (%) | Limit $\pm$ (%) |
|----------|-------------|-------------------|---------|-----------------------------------------|----------|--------|-----------|-----------------|
| 5/4/2015 | Body 5180   | e'                | 47.5300 | Relative Permittivity ( $\epsilon_r$ ): | 47.53    | 49.05  | -3.09     | 5               |
|          |             | e"                | 18.0900 | Conductivity ( $\sigma$ ):              | 5.21     | 5.27   | -1.16     | 5               |
|          | Body 5200   | e'                | 47.5200 | Relative Permittivity ( $\epsilon_r$ ): | 47.52    | 49.02  | -3.06     | 5               |
|          |             | e"                | 18.1300 | Conductivity ( $\sigma$ ):              | 5.24     | 5.29   | -0.99     | 5               |
|          | Body 5600   | e'                | 47.1900 | Relative Permittivity ( $\epsilon_r$ ): | 47.19    | 48.48  | -2.66     | 5               |
|          |             | e"                | 18.3700 | Conductivity ( $\sigma$ ):              | 5.72     | 5.76   | -0.71     | 5               |
|          | Body 5800   | e'                | 46.8200 | Relative Permittivity ( $\epsilon_r$ ): | 46.82    | 48.20  | -2.86     | 5               |
|          |             | e"                | 18.4300 | Conductivity ( $\sigma$ ):              | 5.94     | 6.00   | -0.94     | 5               |
|          | Body 5825   | e'                | 46.7800 | Relative Permittivity ( $\epsilon_r$ ): | 46.78    | 48.20  | -2.95     | 5               |
|          |             | e"                | 18.5700 | Conductivity ( $\sigma$ ):              | 6.01     | 6.00   | 0.24      | 5               |

## 10. System Check

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are remeasured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

### 10.1. Reference Target SAR Values

The reference SAR values can be obtained from the calibration certificate of system validation dipoles

| System Dipole | Serial No. | Cal. Date | Freq. (MHz) | Target SAR Values (W/kg) |      |      |
|---------------|------------|-----------|-------------|--------------------------|------|------|
|               |            |           |             | 1g/10g                   | Head | Body |
| D2450V2       | 826        | 2/10/2015 | 2450        | 1g                       | 53.3 | 51.2 |
|               |            |           |             | 10g                      | 24.8 | 23.7 |
| D5GHzV2       | 1072       | 2/12/2015 | 5200        | 1g                       | 78.6 | 74.1 |
|               |            |           |             | 10g                      | 22.4 | 20.7 |
|               |            |           | 5500        | 1g                       | 83.0 | 80.4 |
|               |            |           |             | 10g                      | 83.0 | 22.3 |
|               |            |           | 5800        | 1g                       | 79.2 | 75.0 |
|               |            |           |             | 10g                      | 22.5 | 20.6 |
| D5GHzV2       | 1084       | 2/12/2015 | 5200        | 1g                       | 79.5 | 74.4 |
|               |            |           |             | 10g                      | 22.6 | 20.8 |
|               |            |           | 5500        | 1g                       | 82.7 | 80.1 |
|               |            |           |             | 10g                      | 23.4 | 22.0 |
|               |            |           | 5800        | 1g                       | 80.4 | 74.4 |
|               |            |           |             | 10g                      | 22.7 | 20.4 |

## 10.2. System Check Results

The 1-g and 10-g SAR measured with a reference dipole, using the required tissue-equivalent medium at the test frequency, must be within 10% of the manufacturer calibrated dipole SAR target.

### DASY A

| Date Tested | System Dipole    |          | T.S. Liquid |     | Measured Results    |                  | Target (Ref. Value) | Delta ±10 % | Plot No. |
|-------------|------------------|----------|-------------|-----|---------------------|------------------|---------------------|-------------|----------|
|             | Type             | Serial # |             |     | Zoom Scan to 100 mW | Normalize to 1 W |                     |             |          |
| 3/23/2015   | D5GHzV2 (5.6GHz) | 1084     | Body        | 1g  | 7.49                | 74.9             | 80.1                | -6.49       | 1, 2     |
|             |                  |          |             | 10g | 2.07                | 20.7             | 22.0                | -5.91       |          |
| 3/23/2015   | D5GHzV2 (5.5GHz) | 1084     | Body        | 1g  | 7.73                | 77.3             | 80.1                | -3.50       |          |
|             |                  |          |             | 10g | 2.14                | 21.4             | 22.0                | -2.73       |          |
| 3/24/2015   | D5GHzV2 (5.8GHz) | 1084     | Body        | 1g  | 7.26                | 72.6             | 74.4                | -2.42       |          |
|             |                  |          |             | 10g | 2.01                | 20.1             | 20.4                | -1.47       |          |
| 5/4/2015    | D5GHzV2 (5.2GHz) | 1084     | Body        | 1g  | 7.23                | 72.3             | 74.4                | -2.82       |          |
|             |                  |          |             | 10g | 2.00                | 20.0             | 20.8                | -3.85       |          |
| 5/4/2015    | D5GHzV2 (5.8GHz) | 1084     | Body        | 1g  | 7.05                | 70.5             | 74.4                | -5.24       |          |
|             |                  |          |             | 10g | 1.95                | 19.5             | 20.4                | -4.41       |          |

### DASY B

| Date Tested | System Dipole    |          | T.S. Liquid |     | Measured Results    |                  | Target (Ref. Value) | Delta ±10 % | Plot No. |
|-------------|------------------|----------|-------------|-----|---------------------|------------------|---------------------|-------------|----------|
|             | Type             | Serial # |             |     | Zoom Scan to 100 mW | Normalize to 1 W |                     |             |          |
| 3/23/2015   | D5GHzV2 (5.2GHz) | 1084     | Body        | 1g  | 7.07                | 70.7             | 74.4                | -4.97       | 3, 4     |
|             |                  |          |             | 10g | 1.96                | 19.6             | 20.8                | -5.77       |          |
| 3/24/2015   | D5GHzV2 (5.8GHz) | 1084     | Body        | 1g  | 7.61                | 76.1             | 74.4                | 2.28        |          |
|             |                  |          |             | 10g | 2.11                | 21.1             | 20.8                | 1.44        |          |
| 4/27/2015   | D5GHzV2 (5.8GHz) | 1084     | Body        | 1g  | 7.62                | 76.2             | 74.4                | 2.42        |          |
|             |                  |          |             | 10g | 2.10                | 21.0             | 20.4                | 2.94        |          |
| 4/27/2015   | D5GHzV2 (5.2GHz) | 1084     | Body        | 1g  | 7.57                | 75.7             | 74.4                | 1.75        |          |
|             |                  |          |             | 10g | 2.13                | 21.3             | 20.8                | 2.40        |          |
| 5/4/2015    | D5GHzV2 (5.5GHz) | 1084     | Body        | 1g  | 8.35                | 83.5             | 80.1                | 4.24        |          |
|             |                  |          |             | 10g | 2.32                | 23.2             | 22.0                | 5.45        |          |
| 5/4/2015    | D5GHzV2 (5.6GHz) | 1084     | Body        | 1g  | 7.88                | 78.8             | 80.1                | -1.62       |          |
|             |                  |          |             | 10g | 2.20                | 22.0             | 22.0                | 0.00        |          |
| 5/6/2015    | D5GHzV2 (5.8GHz) | 1084     | Body        | 1g  | 7.35                | 73.5             | 74.4                | -1.21       |          |
|             |                  |          |             | 10g | 2.04                | 20.4             | 20.4                | 0.00        |          |

### DASY C

| Date Tested | System Dipole    |          | T.S. Liquid |     | Measured Results    |                  | Target (Ref. Value) | Delta ±10 % | Plot No. |
|-------------|------------------|----------|-------------|-----|---------------------|------------------|---------------------|-------------|----------|
|             | Type             | Serial # |             |     | Zoom Scan to 100 mW | Normalize to 1 W |                     |             |          |
| 3/23/2015   | D5GHzV2 (5.2GHz) | 1072     | Body        | 1g  | 7.10                | 71.0             | 74.1                | -4.18       | 5, 6     |
|             |                  |          |             | 10g | 2.00                | 20.0             | 20.7                | -3.38       |          |
| 3/25/2015   | D2450V2          | 826      | Body        | 1g  | 5.24                | 52.4             | 51.2                | 2.34        | 7, 8     |
|             |                  |          |             | 10g | 2.42                | 24.2             | 23.7                | 2.11        |          |
| 3/30/2015   | D2450V2          | 826      | Body        | 1g  | 5.21                | 52.1             | 51.2                | 1.76        |          |
|             |                  |          |             | 10g | 2.39                | 23.9             | 23.7                | 0.84        |          |
| 4/30/2015   | D2450V2          | 826      | Body        | 1g  | 5.17                | 51.7             | 51.2                | 0.98        |          |
|             |                  |          |             | 10g | 2.36                | 23.6             | 23.7                | -0.42       |          |
| 5/4/2015    | 2450GHz          | 826      | Body        | 1g  | 5.10                | 51.0             | 51.2                | -0.39       |          |
|             |                  |          |             | 10g | 2.32                | 23.2             | 23.7                | -2.11       |          |

**DASY D**

| Date Tested | System Dipole       |          | T.S.<br>Liquid |     | Measured Results       |                     | Target<br>(Ref. Value) | Delta<br>±10 % | Plot<br>No. |
|-------------|---------------------|----------|----------------|-----|------------------------|---------------------|------------------------|----------------|-------------|
|             | Type                | Serial # |                |     | Zoom Scan to<br>100 mW | Normalize<br>to 1 W |                        |                |             |
| 3/23/2015   | D5GHzV2<br>(5.6GHz) | 1072     | Body           | 1g  | 7.99                   | 79.9                | 80.4                   | -0.62          |             |
|             |                     |          |                | 10g | 2.20                   | 22.0                | 22.3                   | -1.35          |             |
| 3/23/2015   | D5GHzV2<br>(5.5GHz) | 1072     | Body           | 1g  | 7.82                   | 78.2                | 80.4                   | -2.74          |             |
|             |                     |          |                | 10g | 2.17                   | 21.7                | 22.3                   | -2.69          |             |
| 3/24/2015   | D2450V2             | 826      | Body           | 1g  | 4.93                   | 49.3                | 51.2                   | -3.71          | 9, 10       |
|             |                     |          |                | 10g | 2.26                   | 22.6                | 23.7                   | -4.64          |             |
| 4/27/2015   | D5GHzV2<br>(5.5GHz) | 1072     | Body           | 1g  | 8.07                   | 80.7                | 80.4                   | 0.37           |             |
|             |                     |          |                | 10g | 2.23                   | 22.3                | 22.3                   | 0.00           |             |
| 4/27/2015   | D5GHzV2<br>(5.6GHz) | 1072     | Body           | 1g  | 8.45                   | 84.5                | 80.4                   | 5.10           |             |
|             |                     |          |                | 10g | 2.33                   | 23.3                | 22.3                   | 4.48           |             |
| 4/28/2015   | D5GHzV2<br>(5.2GHz) | 1072     | Body           | 1g  | 7.86                   | 78.6                | 74.1                   | 6.07           |             |
|             |                     |          |                | 10g | 2.18                   | 21.8                | 20.7                   | 5.31           |             |
| 4/30/2015   | D5GHzV2<br>(5.2GHz) | 1072     | Body           | 1g  | 7.15                   | 71.5                | 74.1                   | -3.51          |             |
|             |                     |          |                | 10g | 1.99                   | 19.9                | 20.7                   | -3.86          |             |
| 4/30/2015   | D5GHzV2<br>(5.5GHz) | 1072     | Body           | 1g  | 8.57                   | 85.7                | 80.4                   | 6.59           | 11,12       |
|             |                     |          |                | 10g | 2.37                   | 23.7                | 22.3                   | 6.28           |             |
| 4/30/2015   | D5GHzV2<br>(5.6GHz) | 1072     | Body           | 1g  | 8.53                   | 85.3                | 80.4                   | 6.09           |             |
|             |                     |          |                | 10g | 2.36                   | 23.6                | 22.3                   | 5.83           |             |
| 5/4/2015    | D5GHzV2<br>(5.2GHz) | 1072     | Body           | 1g  | 7.19                   | 71.9                | 74.1                   | -2.97          |             |
|             |                     |          |                | 10g | 1.98                   | 19.8                | 20.7                   | -4.35          |             |
| 5/4/2015    | D5GHzV2<br>(5.5GHz) | 1072     | Body           | 1g  | 8.10                   | 81.0                | 80.40                  | 0.75           |             |
|             |                     |          |                | 10g | 2.24                   | 22.4                | 22.3                   | 0.45           |             |
| 5/4/2015    | D5GHzV2<br>(5.6GHz) | 1072     | Body           | 1g  | 8.40                   | 84.0                | 80.40                  | 4.48           |             |
|             |                     |          |                | 10g | 2.33                   | 23.3                | 22.3                   | 4.48           |             |

## 11. SAR Test Results

SAR Test Reduction criteria are as follows:

### Initial Test Position SAR Test Reduction

For both DSSS and OFDM wireless modes, when an Initial Test Configuration is found to require SAR measurements, an Initial Test Position is established for each applicable exposure configuration (Head, Body, etc.) using either:

- Design implementation details from the manufacturer, or
- Investigative results by the test lab, obtained by performing area scans on the Initial Test Configuration for all applicable test positions and identifying the highest measured SAR from the area scan-only measurements.

Complete SAR scans are then performed on the established Initial Test Position on each exposure configuration, using the Initial Test Configuration. When the reported SAR for this Initial Test Position is:

- $\leq 0.4$  W/kg, further SAR measurement is not required for the other test positions in the exposure configuration and wireless mode combination within the frequency band or aggregated band.
- $> 0.4$  W/kg, SAR is repeated using the same wireless mode test configuration tested in the initial test position to measure the subsequent next closest/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel until the reported SAR is  $\leq 0.8$  W/kg or all required test positions are tested.
- For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is  $> 0.8$  W/kg, measure the SAR for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is  $\leq 1.2$  W/kg or all required test channels are considered.

### SAR Test Reduction for OFDM using Initial Test Configuration Procedures

Along with the Initial Test Position test reduction guidelines, the following procedures are also applied to streamline SAR measurement requirements when multiple OFDM configurations are supported:

1. When the reported SAR for the highest output power channel in the Initial Test Configuration is  $> 0.8$  W/kg, SAR measurement is required for the next highest measured output power channel in the Initial Test Configuration until the reported SAR is  $\leq 1.2$  W/kg or all required channels are tested.
2. For Subsequent Test Configurations with output power  $\leq 0.5$  dB lower than the Initial Test Configuration:
  - No further SAR measurement is required for the exposure condition and frequency band or aggregated band combination in the Subsequent Test Configurations when the reported SAR from the Initial Test Configuration is  $\leq 0.8$  W/kg.
  - SAR is required in the Subsequent Test Configurations for all conditions in the Initial Test Configuration and subsequent test positions with reported SAR  $> 0.8$  and  $\leq 1.2$  W/kg, using the following criteria for test channel selection:
    - o The highest measured output channel in the Subsequent Test Configurations, if the measured output power is different among channels.
    - o The channel closest to the center frequency of the larger bandwidth configuration channel- assuming a larger bandwidth configuration was established as the Initial Test Configuration- if the output power measured across the channels in the Subsequent Test Configuration is the same.
    - o SAR measurement for the subsequent highest powered channel in the Subsequent Test Configurations is required only when the reported SAR from the initial measurement in the Subsequent Test Configuration is  $> 1.2$  W/kg.

SAR Test Reduction for OFDM using Initial Test Configuration Procedures (continued)

3. For Subsequent Test Configurations with output power > 0.5 dB lower than the Initial Test Configuration, SAR measurement is not required for exposure condition and frequency band or aggregated band combinations with highest reported SAR  $\leq 1.2$  W/kg in the Initial Test Configuration measurements.
4. When the highest reported SAR for the Initial Test Configuration is > 1.2 W/kg, the Initial Test Configuration SAR measurement procedure is applied to the Subsequent Test Configuration.
  - The highest output power channel for the initial measurement, as well as the number of potentially required test channels, is determined by the channel bandwidth support in the Subsequent Test Configuration.
  - Additional output power measurements may be required.
  - The test channel reduction threshold for Subsequent Test Configuration is decreased from the usual > 1.2 W/kg to > 0.8 W/kg.
5. Beyond the Subsequent Test Configuration, SAR measurement requirements for the remaining transmission modes are determined by applying the Subsequent Test Configuration in the following manner:
  - Replace Subsequent Test Configuration with Next Subsequent Test Configuration.
  - Replace Initial Test Configuration with Preceding Test Configuration

SAR Test Reduction for Wi-Fi 2.4 GHz

1. 2.4 GHz 802.11b DSSS:
  - When the reported SAR of the highest maximum output channel for the exposure configuration is  $\leq 0.8$  W/kg, no further testing is required for that exposure configuration for 802.11b DSSS.
  - When the reported SAR is > 0.8 W/kg, SAR is required for the next highest measured output channel in that exposure configuration. When any reported SAR is > 1.2 W/kg, SAR is required for the 3<sup>rd</sup> channel; i.e., all channels require testing.
2. 2.4 GHz 802.11g/n OFDM:
  - SAR is not required for 802.11g/n OFDM when its specified output power is  $\geq 1$  dB lower than that specified for 802.11b DSSS and the highest reported SAR for 802.11b DSSS is  $\leq 1.2$  W/kg.
  - SAR not required for 802.11g/n OFDM when its specified output power is  $\leq 0.25$  dB higher and < 1 dB lower than that specified 802.11b DSSS and the highest reported SAR for 802.11b DSSS is  $\leq 0.8$  W/kg.

SAR Test Reduction for Wi-Fi 5 GHz bands

1. 5.15 – 5.25 and 5.25 – 5.35 GHz Bands (UNII Band 1 and UNII Band 2A)
  - With respect to the Initial Test Configuration and Initial Test Position procedures, SAR is initially measured for:
    - o UNII Band 2A, if the output power specified for both bands is the same or higher on UNII Band 2A.
    - o UNII Band 1, if it has the higher specified output power of the two bands.
  - If the highest reported SAR from the initially measured band is:
    - o  $\leq 1.2$  W/kg, SAR is not required for the remaining band.
    - o > 1.2 W/kg, and the difference in specified output power is  $\leq 1$  dB, both bands should be tested independently for SAR; otherwise, the Initial Test Configuration and Initial Test Position procedures should be applied.

SAR Test Reduction for Wi-Fi 5 GHz bands (continued)

2. 5.470 – 5.725, 5.725 – 5.825 GHz and 5.725 – 5.850 GHz Bands (UNII Band 2C and UNII 3)
  - If TDWR restriction does not apply:
    - o The channels in the frequency range of 5.60 – 5.65 GHz should be considered for testing.
  - If TWDR restriction does not apply, and the band gap channels between the two bands are supported:
    - o The channels in UNII Band 2C above 5.65 GHz are then grouped with the channels in UNII Band 3.
    - o Evaluation for test requirements is performed independently for each band according to the grouping of channels described above.
  - The Initial Test Configuration and Initial Test Position procedures are then applied independently for each band.
    - o Unlike UNII Band 1 and UNII Band 2A, test reduction or exclusion is not interdependent between UNII Band 2C and UNII Band 3.

**11.1. Wi-Fi 2.4 GHz****Vendor A**

| Band<br>(GHz) | Mode    | No. of<br>Transmitters | Ch #. | Freq.<br>(MHz) | Power (dBm)      |          |                  |          |                  |          | SAR (W/kg) |       |        |       |          |       |        |       |          |       |        |       | Plot<br>No. |
|---------------|---------|------------------------|-------|----------------|------------------|----------|------------------|----------|------------------|----------|------------|-------|--------|-------|----------|-------|--------|-------|----------|-------|--------|-------|-------------|
|               |         |                        |       |                | Chain 3          |          | Chain 1          |          | Chain 2          |          | Chain 3    |       |        |       | Chain 1  |       |        |       | Chain 2  |       |        |       |             |
|               |         |                        |       |                | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Measured   |       | Scaled |       | Measured |       | Scaled |       | Measured |       | Scaled |       |             |
|               |         |                        |       |                |                  |          |                  |          |                  |          | 1-g        | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  |             |
| 2.4<br>GHz    | 802.11b | 1 Tx                   | 6     | 2437           | 17.50            | 17.50    |                  |          |                  |          | 0.852      | 0.353 | 0.852  | 0.353 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 11    | 2462           | 17.50            | 17.50    |                  |          |                  |          | 0.925      | 0.387 | 0.925  | 0.387 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 6     | 2437           |                  |          | 16.00            | 16.00    |                  |          |            |       |        |       | 1.170    | 0.466 | 1.170  | 0.466 |          |       |        |       |             |
|               |         |                        | 11    | 2462           |                  |          | 16.00            | 16.00    |                  |          |            |       |        |       | 1.030    | 0.410 | 1.030  | 0.410 |          |       |        |       |             |
|               |         |                        | 6     | 2437           |                  |          |                  |          | 17.25            | 17.25    |            |       |        |       |          |       |        |       | 0.905    | 0.348 | 0.905  | 0.348 |             |
|               |         |                        | 11    | 2462           |                  |          |                  |          | 17.25            | 17.25    |            |       |        |       |          |       |        |       | 0.766    | 0.289 | 0.766  | 0.289 |             |
|               |         | 2 Tx<br>CDD            | 6     | 2437           | 17.50            | 17.50    | 16.00            | 16.00    |                  |          | 1.070      | 0.423 | 1.070  | 0.423 | 0.990    | 0.348 | 0.990  | 0.348 |          |       |        |       |             |
|               |         |                        | 11    | 2462           | 17.50            | 17.50    | 16.00            | 16.00    |                  |          | 0.949      | 0.380 | 0.949  | 0.380 | 0.960    | 0.386 | 0.960  | 0.386 |          |       |        |       |             |
|               |         |                        | 6     | 2437           |                  |          | 16.00            | 16.00    | 17.25            | 17.25    |            |       |        |       | 1.180    | 0.460 | 1.180  | 0.460 | 1.080    | 0.423 | 1.080  | 0.423 |             |
|               |         |                        | 11    | 2462           |                  |          | 16.00            | 16.00    | 17.25            | 17.25    |            |       |        |       | 1.170    | 0.458 | 1.170  | 0.458 | 0.932    | 0.365 | 0.932  | 0.365 |             |
|               |         | 3 Tx<br>CDD            | 6     | 2437           | 17.50            | 17.50    | 16.00            | 16.00    | 17.25            | 17.25    | 0.957      | 0.386 | 0.957  | 0.386 | 1.090    | 0.433 | 1.090  | 0.433 | 1.110    | 0.439 | 1.110  | 0.439 |             |
|               |         |                        | 11    | 2462           | 17.50            | 17.50    | 16.00            | 16.00    | 17.25            | 17.25    | 0.881      | 0.362 | 0.881  | 0.362 | 1.180    | 0.467 | 1.180  | 0.467 | 1.040    | 0.406 | 1.040  | 0.406 | 1           |
|               | 802.11n | 3 Tx<br>TxBF<br>CDD    | 6     | 2437           | 17.50            | 17.50    | 16.00            | 16.00    | 17.25            | 17.25    | 0.900      | 0.367 | 0.900  | 0.367 | 1.120    | 0.445 | 1.120  | 0.445 | 1.100    | 0.420 | 1.100  | 0.420 |             |
|               |         |                        | 10    | 2457           | 17.50            | 17.50    | 16.00            | 16.00    | 17.25            | 17.25    | 0.894      | 0.369 | 0.894  | 0.369 | 1.090    | 0.429 | 1.090  | 0.429 | 0.953    | 0.362 | 0.953  | 0.362 |             |

**Note(s):**

- SAR Testing for Chain 3 and Chain 2 MIMO 2x2 configuration case was excluded because the antenna separation distance between Chain 3 and Chain 2 is  $\geq 165$  mm.

**Vendor B**

| Band<br>(GHz) | Mode    | No. of<br>Transmitters | Ch #. | Freq.<br>(MHz) | Power (dBm)      |          |                  |          |                  |          | SAR (W/kg) |       |        |       |          |       |        |       |          |       |        |       | Plot<br>No. |
|---------------|---------|------------------------|-------|----------------|------------------|----------|------------------|----------|------------------|----------|------------|-------|--------|-------|----------|-------|--------|-------|----------|-------|--------|-------|-------------|
|               |         |                        |       |                | Chain 3          |          | Chain 1          |          | Chain 2          |          | Chain 3    |       |        |       | Chain 1  |       |        |       | Chain 2  |       |        |       |             |
|               |         |                        |       |                | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Measured   |       | Scaled |       | Measured |       | Scaled |       | Measured |       | Scaled |       |             |
|               |         |                        |       |                |                  |          |                  |          |                  |          | 1-g        | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  |             |
| 2.4<br>GHz    | 802.11b | 1 Tx                   | 6     | 2437           | 17.50            | 17.50    |                  |          |                  |          | 0.750      | 0.320 | 0.750  | 0.320 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 6     | 2437           |                  |          | 16.00            | 16.00    |                  |          |            |       |        |       | 0.994    | 0.390 | 0.994  | 0.390 |          |       |        |       |             |
|               |         |                        | 11    | 2462           |                  |          | 16.00            | 16.00    |                  |          |            |       |        |       | 0.988    | 0.405 | 0.988  | 0.405 |          |       |        |       |             |
|               |         |                        | 6     | 2437           |                  |          |                  |          | 17.25            | 17.25    |            |       |        |       |          |       |        |       | 0.842    | 0.325 | 0.842  | 0.325 |             |
|               |         |                        | 11    | 2462           |                  |          |                  |          | 17.25            | 17.25    |            |       |        |       |          |       |        |       | 0.703    | 0.268 | 0.703  | 0.268 |             |
|               |         | 2 Tx<br>CDD            | 6     | 2437           | 17.50            | 17.50    | 16.00            | 16.00    |                  |          | 0.971      | 0.397 | 0.971  | 0.397 | 0.807    | 0.342 | 0.807  | 0.342 |          |       |        |       |             |
|               |         |                        | 11    | 2462           | 17.50            | 17.50    | 16.00            | 16.00    |                  |          | 0.892      | 0.371 | 0.892  | 0.371 | 0.839    | 0.354 | 0.839  | 0.354 |          |       |        |       |             |
|               |         |                        | 6     | 2437           |                  |          | 16.00            | 16.00    | 17.25            | 17.25    |            |       |        |       | 1.100    | 0.448 | 1.100  | 0.448 | 0.884    | 0.359 | 0.884  | 0.359 |             |
|               |         |                        | 11    | 2462           |                  |          | 16.00            | 16.00    | 17.25            | 17.25    |            |       |        |       | 1.070    | 0.438 | 1.070  | 0.438 | 0.777    | 0.309 | 0.777  | 0.309 |             |
|               |         | 3 Tx<br>CDD            | 6     | 2437           | 17.50            | 17.50    | 16.00            | 16.00    | 17.25            | 17.25    | 0.840      | 0.349 | 0.840  | 0.349 | 0.979    | 0.406 | 0.979  | 0.406 | 0.914    | 0.377 | 0.914  | 0.377 |             |
|               |         |                        | 11    | 2462           | 17.50            | 17.50    | 16.00            | 16.00    | 17.25            | 17.25    | 0.893      | 0.369 | 0.893  | 0.369 | 1.120    | 0.443 | 1.120  | 0.443 | 1.040    | 0.405 | 1.173  | 0.405 | 2           |
|               | 802.11n | 3 Tx<br>TxBF<br>CDD    | 6     | 2437           | 17.50            | 17.50    | 16.00            | 16.00    | 17.25            | 17.25    | 0.807      | 0.335 | 0.807  | 0.335 | 0.961    | 0.381 | 0.961  | 0.381 | 1.020    | 0.407 | 1.020  | 0.407 |             |
|               |         |                        | 10    | 2457           | 17.50            | 17.50    | 16.00            | 16.00    | 17.25            | 17.25    | 0.856      | 0.354 | 0.856  | 0.354 | 1.050    | 0.417 | 1.050  | 0.417 | 1.060    | 0.408 | 1.060  | 0.408 |             |

**Note(s):**

- SAR Testing for Chain 3 and Chain 2 MIMO 2x2 configuration case was excluded because the antenna separation distance between Chain 3 and Chain 2 is  $\geq 165$  mm.

**11.2. Wi-Fi 5 GHz****11.2.1. 5.3 GHz Band****Vendor A**

| Band<br>(GHz) | Mode    | No. of<br>Transmitters | Ch #. | Freq.<br>(MHz) | Power (dBm)      |          |                  |          |                  |          | SAR (W/kg) |       |        |       |          |       |        |       |          |       |        |       | Plot<br>No. |
|---------------|---------|------------------------|-------|----------------|------------------|----------|------------------|----------|------------------|----------|------------|-------|--------|-------|----------|-------|--------|-------|----------|-------|--------|-------|-------------|
|               |         |                        |       |                | Chain 3          |          | Chain 1          |          | Chain 2          |          | Chain 3    |       |        |       | Chain 1  |       |        |       | Chain 2  |       |        |       |             |
|               |         |                        |       |                | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Measured   |       | Scaled |       | Measured |       | Scaled |       | Measured |       | Scaled |       |             |
|               |         |                        |       |                |                  |          |                  |          |                  |          | 1-g        | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  |             |
| 5.3           | 802.11n | 1 Tx<br>HT40           | 54    | 5270           | 18.0             | 18.0     |                  |          |                  |          | 1.150      | 0.408 | 1.150  | 0.408 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 62    | 5310           | 15.0             | 15.0     |                  |          |                  |          | 0.532      | 0.182 | 0.532  | 0.182 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 54    | 5270           |                  |          | 15.0             | 15.0     |                  |          |            |       |        |       | 0.960    | 0.320 | 0.960  | 0.320 |          |       |        |       |             |
|               |         |                        | 62    | 5310           |                  |          | 15.0             | 15.0     |                  |          |            |       |        |       | 0.989    | 0.331 | 0.989  | 0.331 |          |       |        |       |             |
|               |         |                        | 54    | 5270           |                  |          |                  |          | 16.5             | 16.5     |            |       |        |       |          |       |        |       | 1.040    | 0.294 | 1.040  | 0.294 |             |
|               |         |                        | 62    | 5310           |                  |          |                  |          | 15.0             | 15.0     |            |       |        |       |          |       |        |       | 0.738    | 0.203 | 0.738  | 0.203 |             |
|               |         | 2 Tx<br>HT40           | 54    | 5270           | 18.0             | 18.0     | 15.0             | 15.0     |                  |          | 1.100      | 0.385 | 1.100  | 0.385 | 1.030    | 0.348 | 1.030  | 0.410 |          |       |        |       |             |
|               |         |                        | 62    | 5310           | 12.5             | 12.5     | 12.5             | 12.5     |                  |          | 0.311      | 0.101 | 0.311  | 0.101 | 0.560    | 0.183 | 0.560  | 0.183 |          |       |        |       |             |
|               |         |                        | 54    | 5270           |                  |          | 15.0             | 15.0     | 16.5             | 16.5     |            |       |        |       | 0.983    | 0.326 | 0.983  | 0.326 | 1.040    | 0.283 | 1.040  | 0.283 |             |
|               |         |                        | 62    | 5310           |                  |          | 12.5             | 12.5     | 12.5             | 12.5     |            |       |        |       | 0.606    | 0.202 | 0.606  | 0.202 | 0.376    | 0.098 | 0.376  | 0.098 |             |
|               |         | 3 Tx<br>HT40 CDD       | 54    | 5270           | 18.0             | 18.0     | 15.0             | 15.0     | 16.5             | 16.5     | 1.180      | 0.414 | 1.180  | 0.414 | 0.980    | 0.327 | 0.980  | 0.390 | 0.996    | 0.274 | 0.996  | 0.274 | 3           |
|               |         |                        | 62    | 5310           | 12.5             | 12.5     | 12.5             | 12.5     | 12.5             | 12.5     | 0.292      | 0.100 | 0.292  | 0.100 | 0.592    | 0.197 | 0.592  | 0.206 | 0.401    | 0.102 | 0.401  | 0.102 |             |
|               | 802.11a | 3 Tx<br>TxBF<br>CDD    | 54    | 5270           | 16.0             | 16.0     | 15.0             | 15.0     | 16.0             | 16.0     | 0.746      | 0.254 | 0.746  | 0.254 | 1.040    | 0.324 | 1.040  | 0.363 | 0.818    | 0.231 | 0.818  | 0.231 |             |
|               |         |                        | 62    | 5310           | 16.0             | 16.0     | 15.0             | 15.0     | 16.0             | 16.0     | 0.785      | 0.265 | 0.785  | 0.265 | 1.090    | 0.347 | 1.090  | 0.391 | 0.808    | 0.210 | 0.808  | 0.210 |             |

**Note(s):**

- SAR Testing for Chain 3 and Chain 2 MIMO 2x2 configuration case was excluded because the antenna separation distance between Chain 3 and Chain 2 is  $\geq 165$  mm.

## Vendor B

| Band<br>(GHz) | Mode    | No. of<br>Transmitters | Ch #. | Freq.<br>(MHz) | Power (dBm)      |          |                  |          |                  |          | SAR (W/kg) |       |        |       |          |       |        |       |          |       |        |       | Plot<br>No. |
|---------------|---------|------------------------|-------|----------------|------------------|----------|------------------|----------|------------------|----------|------------|-------|--------|-------|----------|-------|--------|-------|----------|-------|--------|-------|-------------|
|               |         |                        |       |                | Chain 3          |          | Chain 1          |          | Chain 2          |          | Chain 3    |       |        |       | Chain 1  |       |        |       | Chain 2  |       |        |       |             |
|               |         |                        |       |                | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Measured   |       | Scaled |       | Measured |       | Scaled |       | Measured |       | Scaled |       |             |
|               |         |                        |       |                |                  |          |                  |          |                  |          | 1-g        | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  |             |
| 5.3           | 802.11n | 1 Tx<br>HT40           | 54    | 5270           | 18.0             | 18.0     |                  |          |                  |          | 0.934      | 0.292 | 0.934  | 0.292 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 62    | 5310           | 15.0             | 15.0     |                  |          |                  |          | 0.427      | 0.132 | 0.427  | 0.132 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 54    | 5270           |                  |          | 15.0             | 15.0     |                  |          |            |       |        |       | 0.859    | 0.275 | 0.859  | 0.275 |          |       |        |       |             |
|               |         |                        | 62    | 5310           |                  |          | 15.0             | 15.0     |                  |          |            |       |        |       | 0.906    | 0.287 | 0.906  | 0.287 |          |       |        |       |             |
|               |         |                        | 54    | 5270           |                  |          |                  |          | 16.5             | 16.5     |            |       |        |       |          |       |        |       | 0.916    | 0.274 | 0.916  | 0.274 |             |
|               |         |                        | 62    | 5310           |                  |          |                  |          | 15.0             | 15.0     |            |       |        |       |          |       |        |       | 0.682    | 0.196 | 0.682  | 0.196 |             |
|               |         | 2 Tx<br>HT40           | 54    | 5270           | 18.0             | 18.0     | 15.0             | 15.0     |                  |          | 0.955      | 0.288 | 0.955  | 0.288 | 0.996    | 0.286 | 0.996  | 0.333 |          |       |        |       |             |
|               |         |                        | 62    | 5310           | 12.5             | 12.5     | 12.5             | 12.5     |                  |          | 0.248      | 0.072 | 0.248  | 0.072 | 0.590    | 0.169 | 0.590  | 0.176 |          |       |        |       |             |
|               |         |                        | 54    | 5270           |                  |          | 15.0             | 15.0     | 16.5             | 16.5     |            |       |        |       | 0.848    | 0.276 | 0.848  | 0.276 | 0.950    | 0.282 | 0.950  | 0.322 |             |
|               |         |                        | 62    | 5310           |                  |          | 12.5             | 12.5     | 12.5             | 12.5     |            |       |        |       | 0.574    | 0.180 | 0.574  | 0.180 | 0.358    | 0.094 | 0.358  | 0.103 |             |
|               |         | 3 Tx<br>HT40 CDD       | 54    | 5270           | 18.0             | 18.0     | 15.0             | 15.0     | 16.5             | 16.5     | 1.030      | 0.363 | 1.030  | 0.363 | 0.897    | 0.294 | 0.897  | 0.343 | 0.899    | 0.265 | 0.899  | 0.304 | 4           |
|               |         |                        | 62    | 5310           | 12.5             | 12.5     | 12.5             | 12.5     | 12.5             | 12.5     | 0.260      | 0.083 | 0.260  | 0.083 | 0.602    | 0.190 | 0.602  | 0.198 | 0.347    | 0.094 | 0.347  | 0.103 |             |
|               | 802.11a | 3 Tx<br>TxBF<br>CDD    | 54    | 5270           | 16.0             | 16.0     | 15.0             | 15.0     | 16.0             | 16.0     | 0.726      | 0.230 | 0.726  | 0.230 | 0.997    | 0.308 | 0.997  | 0.345 | 0.737    | 0.214 | 0.737  | 0.251 |             |
|               |         |                        | 62    | 5310           | 16.0             | 16.0     | 15.0             | 15.0     | 16.0             | 16.0     | 0.773      | 0.243 | 0.773  | 0.243 | 1.030    | 0.314 | 1.030  | 0.355 | 0.756    | 0.211 | 0.756  | 0.249 |             |

## Note(s):

1. SAR Testing for Chain 3 and Chain 2 MIMO 2x2 configuration case was excluded because the antenna separation distance between Chain 3 and Chain 2 is  $\geq 165$  mm.

**11.2.2. 5.5 GHz Band****Vendor A**

| Band<br>(GHz) | Mode     | No. of<br>Transmitters | Ch #. | Freq.<br>(MHz) | Power (dBm)      |          |                  |          |                  |          | SAR (W/kg) |       |        |       |          |       |        |       |          |       |        |       | Plot<br>No. |
|---------------|----------|------------------------|-------|----------------|------------------|----------|------------------|----------|------------------|----------|------------|-------|--------|-------|----------|-------|--------|-------|----------|-------|--------|-------|-------------|
|               |          |                        |       |                | Chain 3          |          | Chain 1          |          | Chain 2          |          | Chain 3    |       |        |       | Chain 1  |       |        |       | Chain 2  |       |        |       |             |
|               |          |                        |       |                | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Measured   |       | Scaled |       | Measured |       | Scaled |       | Measured |       | Scaled |       |             |
|               |          |                        |       |                |                  |          |                  |          |                  |          | 1-g        | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  |             |
| 5.5           | 802.11ac | 1 Tx<br>VHT80          | 122   | 5610           | 17.5             | 17.5     |                  |          |                  |          | 0.976      | 0.306 | 0.976  | 0.306 |          |       |        |       |          |       |        |       |             |
|               |          |                        | 138   | 5690           | 17.5             | 17.5     |                  |          |                  |          | 0.920      | 0.286 | 0.920  | 0.286 |          |       |        |       |          |       |        |       |             |
|               |          |                        | 122   | 5610           |                  |          | 15.5             | 15.5     |                  |          |            |       |        |       | 1.050    | 0.317 | 1.050  | 0.317 |          |       |        |       |             |
|               |          |                        | 138   | 5690           |                  |          | 15.5             | 15.5     |                  |          |            |       |        |       | 1.050    | 0.309 | 1.050  | 0.309 |          |       |        |       |             |
|               |          |                        | 122   | 5610           |                  |          |                  |          | 16.75            | 16.75    |            |       |        |       |          |       |        |       | 0.722    | 0.183 | 0.722  | 0.183 |             |
|               |          | 2 Tx<br>VHT80 CDD      | 122   | 5610           | 17.5             | 17.5     | 15.5             | 15.5     |                  |          | 0.632      | 0.194 | 0.632  | 0.194 | 0.666    | 0.199 | 0.666  | 0.199 |          |       |        |       |             |
|               |          |                        | 122   | 5610           |                  |          | 15.5             | 15.5     | 16.75            | 16.75    |            |       |        |       | 0.740    | 0.227 | 0.740  | 0.227 | 0.516    | 0.130 | 0.516  | 0.130 |             |
|               |          | 3 Tx<br>VHT80          | 122   | 5610           | 17.5             | 17.5     | 15.5             | 15.5     | 16.75            | 16.75    | 0.974      | 0.302 | 0.974  | 0.302 | 1.190    | 0.376 | 1.190  | 0.376 | 0.857    | 0.223 | 0.857  | 0.223 | 5           |
|               |          |                        | 138   | 5610           | 17.5             | 17.5     | 15.5             | 15.5     | 16.75            | 16.75    | 0.938      | 0.291 | 0.938  | 0.291 | 1.140    | 0.357 | 1.140  | 0.357 | 0.834    | 0.208 | 0.834  | 0.208 |             |
|               |          | 3 Tx<br>TxBF<br>VHT80  | 122   | 5610           | 14.75            | 14.75    | 14.75            | 14.75    | 14.75            | 14.75    | 0.315      | 0.097 | 0.315  | 0.097 | 0.607    | 0.192 | 0.607  | 0.192 | 0.374    | 0.099 | 0.374  | 0.099 |             |
|               |          |                        | 138   | 5610           | 17.5             | 17.5     | 15.5             | 15.5     | 16.75            | 16.75    | 0.871      | 0.270 | 0.871  | 0.270 | 0.978    | 0.317 | 0.978  | 0.317 | 0.828    | 0.226 | 0.828  | 0.226 |             |

**Note(s):**

- SAR Testing for Chain 3 and Chain 2 MIMO 2x2 configuration case was excluded because the antenna separation distance between Chain 3 and Chain 2 is  $\geq 165$  mm.

## 5.5 GHz Band Continued

### Vendor B

| Band<br>(GHz) | Mode     | No. of<br>Transmitters | Ch #. | Freq.<br>(MHz) | Power (dBm)      |          |                  |          |                  |          | SAR (W/kg) |       |        |       |          |       |        |       |          |       |        |       | Plot<br>No. |
|---------------|----------|------------------------|-------|----------------|------------------|----------|------------------|----------|------------------|----------|------------|-------|--------|-------|----------|-------|--------|-------|----------|-------|--------|-------|-------------|
|               |          |                        |       |                | Chain 3          |          | Chain 1          |          | Chain 2          |          | Chain 3    |       |        |       | Chain 1  |       |        |       | Chain 2  |       |        |       |             |
|               |          |                        |       |                | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Measured   |       | Scaled |       | Measured |       | Scaled |       | Measured |       | Scaled |       |             |
|               |          |                        |       |                |                  |          |                  |          |                  |          | 1-g        | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  |             |
| 5.5           | 802.11ac | 1 Tx<br>VHT80          | 122   | 5610           | 17.5             | 17.5     |                  |          |                  |          | 0.821      | 0.257 | 0.821  | 0.257 |          |       |        |       |          |       |        |       |             |
|               |          |                        | 138   | 5690           | 17.5             | 17.5     |                  |          |                  |          | 0.808      | 0.250 | 0.808  | 0.250 |          |       |        |       |          |       |        |       |             |
|               |          |                        | 122   | 5610           |                  |          | 15.5             | 15.5     |                  |          |            |       |        |       | 0.902    | 0.286 | 0.902  | 0.286 |          |       |        |       |             |
|               |          |                        | 138   | 5690           |                  |          | 15.5             | 15.5     |                  |          |            |       |        |       | 0.957    | 0.290 | 0.957  | 0.290 |          |       |        |       |             |
|               |          |                        | 122   | 5610           |                  |          |                  |          | 16.75            | 16.75    |            |       |        |       |          |       |        |       | 0.605    | 0.173 | 0.605  | 0.173 |             |
|               |          | 2 Tx<br>VHT80 CDD      | 122   | 5610           | 17.5             | 17.5     | 15.5             | 15.5     |                  |          | 0.579      | 0.178 | 0.579  | 0.178 | 0.612    | 0.182 | 0.612  | 0.182 |          |       |        |       |             |
|               |          |                        | 122   | 5610           |                  |          | 15.5             | 15.5     | 16.75            | 16.75    |            |       |        |       | 0.686    | 0.212 | 0.686  | 0.212 | 0.347    | 0.080 | 0.347  | 0.080 |             |
|               |          | 3 Tx<br>VHT80          | 122   | 5610           | 17.5             | 17.5     | 15.5             | 15.5     | 16.75            | 16.75    | 0.856      | 0.274 | 0.856  | 0.274 | 1.120    | 0.352 | 1.120  | 0.352 | 0.801    | 0.227 | 0.801  | 0.227 | 6           |
|               |          |                        | 138   | 5610           | 17.5             | 17.5     | 15.5             | 15.5     | 16.75            | 16.75    | 0.792      | 0.249 | 0.792  | 0.249 | 1.020    | 0.320 | 1.020  | 0.320 | 0.797    | 0.212 | 0.797  | 0.212 |             |
|               |          | 3 Tx<br>TxBF<br>VHT80  | 122   | 5610           | 14.75            | 14.75    | 14.75            | 14.75    | 14.75            | 14.75    | 0.309      | 0.094 | 0.309  | 0.094 | 0.575    | 0.182 | 0.575  | 0.182 | 0.341    | 0.089 | 0.341  | 0.089 |             |
| 138           | 5610     |                        | 17.5  | 17.5           | 15.5             | 15.5     | 16.75            | 16.75    | 0.731            | 0.230    | 0.731      | 0.230 | 0.954  | 0.310 | 0.954    | 0.310 | 0.783  | 0.202 | 0.783    | 0.202 |        |       |             |

#### Note(s):

- SAR Testing for Chain 3 and Chain 2 MIMO 2x2 configuration case was excluded because the antenna separation distance between Chain 3 and Chain 2 is  $\geq 165$  mm.

**11.2.3. 5.8 GHz Band****Vendor A**

| Band<br>(GHz) | Mode    | No. of<br>Transmitters | Ch #. | Freq.<br>(MHz) | Power (dBm)      |          |                  |          |                  |          | SAR (W/kg) |       |        |       |          |       |        |       |          |       |        |       | Plot<br>No. |
|---------------|---------|------------------------|-------|----------------|------------------|----------|------------------|----------|------------------|----------|------------|-------|--------|-------|----------|-------|--------|-------|----------|-------|--------|-------|-------------|
|               |         |                        |       |                | Chain 3          |          | Chain 1          |          | Chain 2          |          | Chain 3    |       |        |       | Chain 1  |       |        |       | Chain 2  |       |        |       |             |
|               |         |                        |       |                | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Measured   |       | Scaled |       | Measured |       | Scaled |       | Measured |       | Scaled |       |             |
|               |         |                        |       |                |                  |          |                  |          |                  |          | 1-g        | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  |             |
| 5.8           | 802.11a | 1 Tx                   | 157   | 5785           | 18.5             | 18.5     |                  |          |                  |          | 0.760      | 0.241 | 0.760  | 0.241 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 157   | 5785           |                  |          |                  |          | 18.5             | 18.5     |            |       |        |       |          |       |        |       | 1.050    | 0.252 | 1.050  | 0.252 |             |
|               |         |                        | 165   | 5825           |                  |          |                  |          | 18.5             | 18.5     |            |       |        |       |          |       |        |       | 1.010    | 0.240 | 1.010  | 0.240 |             |
|               |         | 2 Tx<br>CDD            | 157   | 5785           | 18.5             | 18.5     | 16.5             | 16.5     |                  |          | 0.790      | 0.257 | 0.790  | 0.257 | 1.010    | 0.308 | 1.010  | 0.308 |          |       |        |       |             |
|               |         |                        | 161   | 5805           | 18.5             | 18.5     | 16.5             | 16.5     |                  |          | 0.797      | 0.256 | 0.797  | 0.256 | 1.000    | 0.308 | 1.000  | 0.308 |          |       |        |       |             |
|               |         |                        | 157   | 5785           |                  |          | 16.5             | 16.5     | 18.5             | 18.5     |            |       |        |       | 1.180    | 0.366 | 1.180  | 0.366 | 1.090    | 0.267 | 1.090  | 0.267 |             |
|               |         |                        | 161   | 5805           |                  |          | 16.5             | 16.5     | 18.5             | 18.5     |            |       |        |       | 1.080    | 0.344 | 1.070  | 0.260 | 1.090    | 0.264 | 1.090  | 0.264 |             |
|               |         | 3 Tx<br>CDD            | 157   | 5710           | 18.5             | 18.5     | 16.5             | 16.5     | 18.5             | 18.5     | 1.020      | 0.324 | 1.020  | 0.324 | 1.190    | 0.377 | 1.190  | 0.377 | 1.130    | 0.277 | 1.130  | 0.277 | 7           |
|               |         |                        | 161   | 5805           | 18.5             | 18.5     | 16.5             | 16.5     | 18.5             | 18.5     | 1.030      | 0.319 | 1.030  | 0.319 | 1.160    | 0.369 | 1.160  | 0.369 | 1.080    | 0.265 | 1.080  | 0.265 |             |
|               |         | 3 Tx<br>TxBF<br>CDD    | 157   | 5710           | 18.5             | 18.5     | 16.5             | 16.5     | 18.5             | 18.5     | 0.758      | 0.253 | 0.758  | 0.253 | 0.921    | 0.284 | 0.921  | 0.284 | 1.010    | 0.247 | 1.010  | 0.247 |             |
|               |         |                        | 161   | 5805           | 18.5             | 18.5     | 16.5             | 16.5     | 18.5             | 18.5     | 0.789      | 0.235 | 0.789  | 0.235 | 0.950    | 0.293 | 0.950  | 0.293 | 1.030    | 0.250 | 1.030  | 0.250 |             |
|               | 802.11n | 1 Tx<br>HT40           | 151   | 5755           |                  |          | 14.5             | 14.5     |                  |          |            |       |        |       | 0.573    | 0.162 | 0.573  | 0.162 |          |       |        |       |             |
|               |         |                        | 159   | 5795           |                  |          | 16.5             | 16.5     |                  |          |            |       |        |       | 0.990    | 0.299 | 0.990  | 0.299 |          |       |        |       |             |

**Note(s):**

- SAR Testing for Chain 3 and Chain 2 MIMO 2x2 configuration case was excluded because the antenna separation distance between Chain 3 and Chain 2 is  $\geq 165$  mm.

**Vendor B**

| Band<br>(GHz) | Mode    | No. of<br>Transmitters | Ch #. | Freq.<br>(MHz) | Power (dBm)      |          |                  |          |                  |          | SAR (W/kg) |       |        |       |          |       |        |       |          |       |        |       | Plot<br>No. |
|---------------|---------|------------------------|-------|----------------|------------------|----------|------------------|----------|------------------|----------|------------|-------|--------|-------|----------|-------|--------|-------|----------|-------|--------|-------|-------------|
|               |         |                        |       |                | Chain 3          |          | Chain 1          |          | Chain 2          |          | Chain 3    |       |        |       | Chain 1  |       |        |       | Chain 2  |       |        |       |             |
|               |         |                        |       |                | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Tune-up<br>Limit | Measured | Measured   |       | Scaled |       | Measured |       | Scaled |       | Measured |       | Scaled |       |             |
|               |         |                        |       |                |                  |          |                  |          |                  |          | 1-g        | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  | 1-g      | 10-g  | 1-g    | 10-g  |             |
| 5.8           | 802.11a | 1 Tx                   | 157   | 5785           | 18.5             | 18.5     |                  |          |                  |          | 0.815      | 0.256 | 0.815  | 0.256 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 165   | 5825           | 18.5             | 18.5     |                  |          |                  |          | 0.839      | 0.261 | 0.839  | 0.261 |          |       |        |       |          |       |        |       |             |
|               |         |                        | 157   | 5785           |                  |          |                  |          | 18.5             | 18.5     |            |       |        |       |          |       |        |       | 0.954    | 0.230 | 0.954  | 0.230 |             |
|               |         |                        | 165   | 5825           |                  |          |                  |          | 18.5             | 18.5     |            |       |        |       |          |       |        |       | 0.819    | 0.196 | 0.819  | 0.196 |             |
|               |         | 2 Tx<br>CDD            | 157   | 5785           | 18.5             | 18.5     | 16.5             | 16.5     |                  |          | 0.772      | 0.245 | 0.772  | 0.245 | 0.985    | 0.306 | 0.985  | 0.306 |          |       |        |       |             |
|               |         |                        | 161   | 5805           | 18.5             | 18.5     | 16.5             | 16.5     |                  |          | 0.789      | 0.248 | 0.789  | 0.248 | 0.950    | 0.294 | 0.325  | 0.294 |          |       |        |       |             |
|               |         |                        | 157   | 5785           |                  |          | 16.5             | 16.5     | 18.5             | 18.5     |            |       |        |       | 1.050    | 0.343 | 1.050  | 0.343 | 0.952    | 0.237 | 0.952  | 0.237 |             |
|               |         |                        | 161   | 5805           |                  |          | 16.5             | 16.5     | 18.5             | 18.5     |            |       |        |       | 1.040    | 0.335 | 1.040  | 0.335 | 0.896    | 0.222 | 0.896  | 0.222 |             |
|               |         | 3 Tx<br>CDD            | 157   | 5710           | 18.5             | 18.5     | 16.5             | 16.5     | 18.5             | 18.5     | 0.869      | 0.276 | 0.869  | 0.276 | 1.060    | 0.349 | 1.060  | 0.349 | 0.976    | 0.251 | 0.976  | 0.251 |             |
|               |         |                        | 161   | 5805           | 18.5             | 18.5     | 16.5             | 16.5     | 18.5             | 18.5     | 0.905      | 0.285 | 0.905  | 0.285 | 1.010    | 0.331 | 1.010  | 0.331 | 0.896    | 0.228 | 0.896  | 0.228 |             |
|               |         | 3 Tx<br>TxBF<br>CDD    | 157   | 5710           | 18.5             | 18.5     | 16.5             | 16.5     | 18.5             | 18.5     | 0.730      | 0.233 | 0.730  | 0.233 | 1.040    | 0.343 | 1.040  | 0.343 | 0.903    | 0.230 | 0.903  | 0.230 |             |
|               |         |                        | 161   | 5805           | 18.5             | 18.5     | 16.5             | 16.5     | 18.5             | 18.5     | 0.733      | 0.233 | 0.733  | 0.233 | 1.010    | 0.330 | 1.010  | 0.330 | 0.850    | 0.213 | 0.850  | 0.213 |             |
|               | 802.11n | 1 Tx<br>HT40           | 151   | 5755           |                  |          | 16.5             | 16.5     |                  |          |            |       |        |       | 0.628    | 0.190 | 0.628  | 0.190 |          |       |        |       |             |
|               |         |                        | 159   | 5795           |                  |          | 16.5             | 16.5     |                  |          |            |       |        |       | 1.070    | 0.325 | 1.070  | 0.325 |          |       |        |       | 8           |

**Note(s):**

1. SAR Testing for Chain 3 and Chain 2 MIMO 2x2 configuration case was excluded because the antenna separation distance between Chain 3 and Chain 2 is  $\geq 165$  mm.

**11.3. Bluetooth**

| Mode | Ch #. | Freq.<br>(MHz) | Power (dBm)      |          | SAR (W/kg) |       |        |       | Plot<br>No. |
|------|-------|----------------|------------------|----------|------------|-------|--------|-------|-------------|
|      |       |                | Chain 2          |          | Chain 2    |       |        |       |             |
|      |       |                | Tune-up<br>Limit | Measured | Measured   |       | Scaled |       |             |
|      |       |                |                  |          | 1-g        | 10-g  | 1-g    | 10-g  |             |
| GFSK | 39    | 2441           | 9.0              | 8.2      | 0.089      | 0.032 | 0.107  | 0.039 | 9           |

## 12. SAR Measurement Variability

In accordance with published RF Exposure KDB procedure 865664 D01 SAR measurement 100 MHz to 6 GHz. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

- 1) Repeated measurement is not required when the original highest measured SAR is  $< 0.80$  W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the **ratio of largest to smallest SAR** for the original and first repeated measurements is  $> 1.20$  or when the original or repeated measurement is  $\geq 1.45$  W/kg (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .

### 12.1. Repeated Measurement Results

| Band          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | 1-g SAR (W/kg) |         |         | 1-g SAR (W/kg) |         |         | Largest to Smallest SAR Ratio |         |         | Note |
|---------------|----------|---------------------|-------|-------------|----------------|---------|---------|----------------|---------|---------|-------------------------------|---------|---------|------|
|               |          |                     |       |             | Original       |         |         | Repeated       |         |         |                               |         |         |      |
|               |          |                     |       |             | Chain 3        | Chain 1 | Chain 2 | Chain 3        | Chain 1 | Chain 2 | Chain 3                       | Chain 1 | Chain 2 |      |
| 2.4GHz (DSSS) | 802.11b  | 3 Tx                | 11    | 2462        | 0.881          | 1.180   | 1.040   | 0.875          | 1.170   | 1.040   | 1.01                          | 1.01    | 1.00    | 1    |
| Band          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | 1-g SAR (W/kg) |         |         | 1-g SAR (W/kg) |         |         | Largest to Smallest SAR Ratio |         |         | Note |
|               |          |                     |       |             | Original       |         |         | Repeated       |         |         |                               |         |         |      |
|               |          |                     |       |             | Chain 3        | Chain 1 | Chain 2 | Chain 3        | Chain 1 | Chain 2 | Chain 3                       | Chain 1 | Chain 2 |      |
| 5.3GHz (OFDM) | 802.11n  | 3 Tx HT40 CDD       | 54    | 5270        | 1.180          | 0.980   | 0.996   | 1.130          | 0.959   | 1.000   | 1.04                          | 1.02    | 1.00    | 1    |
| Band          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | 1-g SAR (W/kg) |         |         | 1-g SAR (W/kg) |         |         | Largest to Smallest SAR Ratio |         |         | Note |
|               |          |                     |       |             | Original       |         |         | Repeated       |         |         |                               |         |         |      |
|               |          |                     |       |             | Chain 3        | Chain 1 | Chain 2 | Chain 3        | Chain 1 | Chain 2 | Chain 3                       | Chain 1 | Chain 2 |      |
| 5.5GHz (OFDM) | 802.11ac | 3 Tx VHT80 CDD      | 122   | 5610        | 0.974          | 1.190   | 0.857   | 0.933          | 1.170   | 0.803   | 1.04                          | 1.02    | 1.07    | 1    |
| Band          | Mode     | No. of Transmitters | Ch. # | Freq. (MHz) | 1-g SAR (W/kg) |         |         | 1-g SAR (W/kg) |         |         | Largest to Smallest SAR Ratio |         |         | Note |
|               |          |                     |       |             | Original       |         |         | Repeated       |         |         |                               |         |         |      |
|               |          |                     |       |             | Chain 3        | Chain 1 | Chain 2 | Chain 3        | Chain 1 | Chain 2 | Chain 3                       | Chain 1 | Chain 2 |      |
| 5.8GHz (OFDM) | 802.11a  | 3 Tx CDD            | 157   | 5710        | 1.020          | 1.190   | 1.130   | 1.000          | 1.170   | 1.130   | 1.02                          | 1.02    | 1.00    | 1    |

#### Note(s):

1. Second Repeated Measurement is not required since the ratio of the largest to smallest SAR for the original and first repeated measurement is not  $> 1.20$ .

### 13. Simultaneous Transmission SAR Analysis

KDB 447498 D01 General RF Exposure Guidance introduces a new formula for calculating the SAR to Peak Location Ratio (SPLSR) between pairs of simultaneously transmitting antennas:

$$SPLSR = (SAR_1 + SAR_2)^{1.5} / Ri$$

Where:

**SAR<sub>1</sub>** is the highest measured or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition

**SAR<sub>2</sub>** is the highest measured or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating mode and exposure condition as the first

**Ri** is the separation distance between the pair of simultaneous transmitting antennas. When the SAR is measured, for both antennas in the pair, it is determined by the actual x, y and z coordinates in the 1-g SAR for each SAR peak location, based on the extrapolated and interpolated result in the zoom scan measurement, using the formula of  $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$

A new threshold of 0.04 is also introduced in the draft KDB. Thus, in order for a pair of simultaneous transmitting antennas with the sum of 1-g SAR > 1.6 W/kg to qualify for exemption from Simultaneous Transmission SAR measurements, it has to satisfy the condition of:

$$(SAR_1 + SAR_2)^{1.5} / Ri < 0.04$$

#### Simultaneous Transmission Condition

| RF Exposure Condition                                                                                                                                 | Capable Transmit Configurations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Laptop                                                                                                                                                | <p>SISO (1TX)</p> <ol style="list-style-type: none"> <li>1. DTS 2.4GHz (Wi-Fi 1) + BT (Wi-Fi 3)</li> <li>2. DTS 2.4GHz (Wi-Fi 2) + BT (Wi-Fi 3)</li> <li>3. UNII 5GHz (Wi-Fi 1) + BT (Wi-Fi 3)</li> <li>4. UNII 5GHz (Wi-Fi 2) + BT (Wi-Fi 3)</li> </ol> <p>MIMO (2,3 TX)</p> <ol style="list-style-type: none"> <li>1. DTS 2.4 GHz (Wi-Fi 1+ Wi-Fi 2) + BT (Wi-Fi 3) UNII 5GHz (Wi-Fi 1+ Wi-Fi 2) + BT (Wi-Fi 3) UNII 5GHz (Wi-Fi 1+ Wi-Fi 3) + BT (Wi-Fi 3) UNII 5GHz (Wi-Fi 2+ Wi-Fi 3) + BT (Wi-Fi 3)</li> </ol> |
| <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Wi-Fi 2.4 GHz Radio on Wi-Fi 3 cannot transmit simultaneously with Bluetooth Radio</li> </ol> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**13.1. Sum of the SAR for Wi-Fi DTS Band & BT**

| RF Exposure condition | Test Position | Simultaneous Transmission Scenario |         |            |                     | $\Sigma$ 1-g SAR (W/kg) | SPLSR (Yes/ No) |
|-----------------------|---------------|------------------------------------|---------|------------|---------------------|-------------------------|-----------------|
|                       |               | DTS Band                           |         |            | Bluetooth (Chain 2) |                         |                 |
|                       |               | Chain 3                            | Chain 1 | Chain 1, 2 |                     |                         |                 |
| Body                  | Rear          | 0.925                              |         |            | 0.107               | 1.032                   | No              |
|                       |               |                                    | 1.170   |            | 0.107               | 1.277                   | No              |
|                       |               |                                    |         | 1.180      | 0.107               | 1.287                   | No              |

**13.2. Sum of the SAR for Wi-Fi UNII Bands & BT**

| RF Exposure condition | Test Position | Simultaneous Transmission Scenario |         |           |           |             |                     | $\Sigma$ 1-g SAR (W/kg) | SPLSR (Yes/ No) |
|-----------------------|---------------|------------------------------------|---------|-----------|-----------|-------------|---------------------|-------------------------|-----------------|
|                       |               | UNII Bands                         |         |           |           |             | Bluetooth (Chain 2) |                         |                 |
|                       |               | Chain 3                            | Chain 1 | Chain 3,1 | Chain 1,2 | Chain 3,1,2 |                     |                         |                 |
| Body                  | Rear          | 1.150                              |         |           |           |             | 0.107               | 1.257                   | No              |
|                       |               |                                    | 1.070   |           |           |             | 0.107               | 1.177                   | No              |
|                       |               |                                    |         | 1.100     |           |             | 0.107               | 1.207                   | No              |
|                       |               |                                    |         |           | 1.180     |             | 0.107               | 1.287                   | No              |
|                       |               |                                    |         |           |           | 1.190       | 0.107               | 1.297                   | No              |

**SAR to Peak Location Separation Ratio (SPLSR)**

As the Sum of the SAR is not greater than 1.6 W/kg SPLSR assessment is not required.

## **Appendixes**

**Refer to separated files for the following appendixes.**

**A\_15U20166v0 SAR Photos**

**B\_15U20166v1 SAR System Check Plots**

**C\_15U20166v1 SAR Highest Test Plots**

**D\_15U20166v0 SAR Tissue Ingredients**

**E\_15U20166v0 SAR Probe Cal. Certificates**

**F\_15U20166v0 SAR Dipole Cal. Certificates**

**END OF REPORT**