# 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**
**Issue Date: 5/7/2015**

*Prepared for*
**Broadcom Corporation**
**190 Mathilda Place**
**Sunnyvale, CA 94086**

*Prepared by*
**UL Verification Services Inc.**
**47173 BENICIA STREET**
**FREMONT, CA 94538, U.S.A.**
**TEL: (510) 771-1000**
**FAX: (510) 661-0888**

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 |
| | | | |
| | | | |

**Table of Contents**

# 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 | | | |
| **SAR Limits (W/Kg)** | | | | | |
| Exposure Category | | Peak spatial-average<br>(1g of tissue) | | | |
| General population/Uncontrolled exposure | | 1.6 | | | |
| **The Highest Reported SAR (W/kg)** | | | | | |
| **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 | | | |

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.

**Note:** 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.

| 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

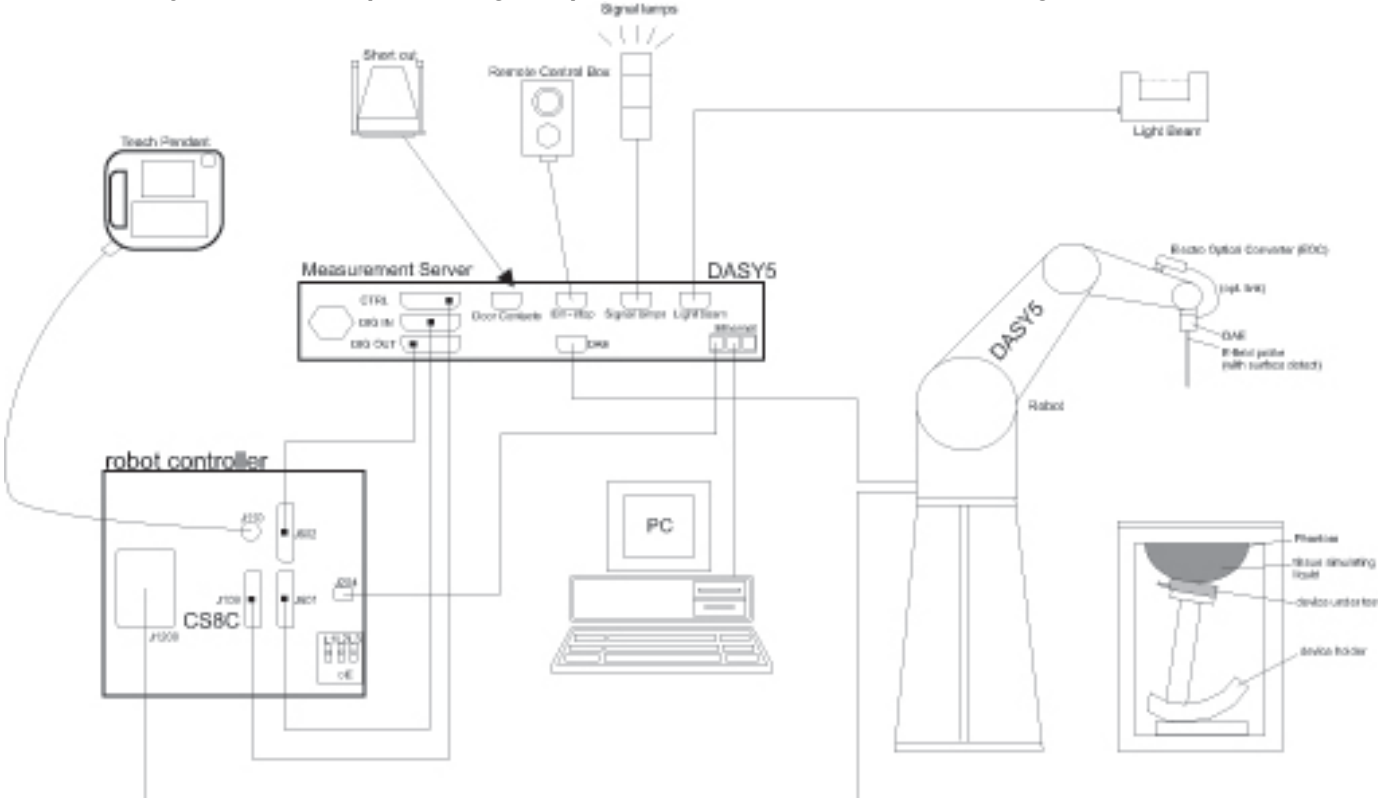
The test sites and measurement facilities used to collect data are located at 18920 Forge Drive, Cupertino, California, USA.

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

# 4. SAR Measurement System & Test Equipment

## 4.1. SAR Measurement System

**The DASY5 system used for performing compliance tests consists of the following items:**




- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP or Win7 and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

## 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

| | ≤ 3 GHz | > 3 GHz |
|---|---|---|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface | 5 ± 1 mm | ½·δ·ln(2) ± 0.5 mm |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location | 30° ± 1° | 20° ± 1° |
| Maximum area scan spatial resolution: $\Delta x_{Area}$, $\Delta y_{Area}$ | ≤ 2 GHz: ≤ 15 mm<br>2 – 3 GHz: ≤ 12 mm | 3 – 4 GHz: ≤ 12 mm<br>4 – 6 GHz: ≤ 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 ≤ 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

| | | | ≤ 3 GHz | > 3 GHz |
|---|---|---|---|---|
| Maximum zoom scan spatial resolution: $\Delta x_{Zoom}$, $\Delta y_{Zoom}$ | | | ≤ 2 GHz: ≤ 8 mm<br>2 – 3 GHz: ≤ 5 mm* | 3 – 4 GHz: ≤ 5 mm*<br>4 – 6 GHz: ≤ 4 mm* |
| Maximum zoom scan spatial resolution, normal to phantom surface | uniform grid: $\Delta z_{Zoom}(n)$ | | ≤ 5 mm | 3 – 4 GHz: ≤ 4 mm<br>4 – 5 GHz: ≤ 3 mm<br>5 – 6 GHz: ≤ 2 mm |
| | graded grid | $\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface | ≤ 4 mm | 3 – 4 GHz: ≤ 3 mm<br>4 – 5 GHz: ≤ 2.5 mm<br>5 – 6 GHz: ≤ 2 mm |
| | | $\Delta z_{Zoom}(n>1)$: between subsequent points | ≤ 1.5·$\Delta z_{Zoom}(n-1)$ | |
| Minimum zoom scan volume | x, y, z | | ≥ 30 mm | 3 – 4 GHz: ≥ 28 mm<br>4 – 5 GHz: ≥ 25 mm<br>5 – 6 GHz: ≥ 22 mm |

Note: δ 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 *reported* SAR from the area scan based *1-g SAR estimation* procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 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 |

**Ohers**

| 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 | Vendor :<br>A / B<br><br>Part Number :<br>613-00224 Wi-Fi1 (Chain 3)<br>613-00224 Wi-Fi2 (Chain 1)<br>613-00224 Wi-Fi3 & Bluetooth (Chain 2)<br><br>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 |

## 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 (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 (OFDM) 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 (OFDM) 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 (OFDM) 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 (OFDM) 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[1] (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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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 | |
| | | | 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 |
| | | 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 |

**Wi-Fi 2.4 GHz Band**

| Band (GHz) | Mode | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval[1] (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 |
| | | | 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 |
| | | 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (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[1] (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 (GHz) | Mode | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval[1] (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 VHT40 All Non TXBF | 40MHz Transmission disabled in the 2.4GHz Band | | | | | | | |
| | | 2 Tx VHT80 All Non TXBF | 80MHz Transmission disabled in the 2.4GHz Band | | | | | | | |
| | | 3 Tx VHT20 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 VHT20 All Non 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 VHT20 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 VHT40 All Non TXBF | 40MHz Transmission disabled in the 2.4GHz Band | | | | | | | |
| | | 3 Tx VHT80 All Non 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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 |
| | | 1 Tx HT40 CDD | 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 |
| | | 2 Tx HT40 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 HT40 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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 |
| | | | 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 |
| | | 2 Tx 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 | |
| | | | 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[1] (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 |
| | | | 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 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 |
| | | | 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 |
| | | | 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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 |
| | | | 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 HT20 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 |

**Wi-Fi 5.5 GHz Band**

| Band (GHz) | Mode | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval[1] (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[1] (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 |
| | | | 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 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 |
| | | | 142 | 5710 | 16.25 | 16.25 | 16.25 | 16.25 | 15.50 | 16.25 |
| | | 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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 |
| | | | 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 VHT20 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 | |

**Wi-Fi 5.5 GHz Band**

| Band (GHz) | Mode | No. of Transmitters | Ch. # | Freq. (MHz) | Maximum Target power setting from Original Approval[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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 |
| | | | 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 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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 |
| | | | 142 | 5710 | 16.25 | 16.25 | 16.25 | 16.25 | 15.50 | 16.25 |
| | | 3 Tx VHT40 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 |
| | | 2 Tx VHT80 CDD | 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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[1] (dBm) | | | Maximum Target power setting from C2PC/A1398 Host (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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 (GHz) | Mode | Ch # | Freq. (MHz) | Maximum Target power setting from Original Approval[1] (dBm) | Maximum Target power setting from C2PC/ A1398 Host (dBm) |
|---|---|---|---|---|---|
| | | | | Wi-Fi 3 | Wi-Fi 3 |
| | | | | Chain 2 | Chain 2 |
| 2.4 | V1.8+ EDR, GFSK | 0 | 2402 | 9.0 | 9.0 |
| | | 39 | 2441 | 9.0 | 9.0 |
| | | 78 | 2480 | 9.0 | 9.0 |
| | V1.8 + EDR, QPSK | 0 | 2402 | 5.5 | 5.5 |
| | | 39 | 2441 | 5.5 | 5.5 |
| | | 78 | 2480 | 5.5 | 5.5 |
| | V1.8 BLE, 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:
     - When SAR Test Exclusion according to KDB 447498 D01 applies.
     - When other power measurement reduction applies.
   - Otherwise, output power measurement is required on:
     - Channels 1, 6, and 11, when the output power specified for other channels is no higher than the abovementioned channels.
     - 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:
     - When SAR Test Exclusion according to KDB 447498 D01 applies.
     - 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:
     - If 40 MHz bandwidth configurations are supported, measure power for either Channel 6 or the highest specified output power channel.
     - Output power measurement requirements for smaller bandwidth configurations are dependent on the SAR measurement results from the 40 MHz bandwidth configurations.
     - 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 | |
| 2.4 802.11b (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 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 | |
| 2.4 802.11b Legacy (DSSS) | 2 Tx 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 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 | |
| 2.4 802.11g (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 | |
| 2.4 802.11g (OFDM) | 2 Tx 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 | |
| 2.4 802.11g (OFDM) | 2 Tx 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 | |
| 2.4 802.11g (OFDM) | 2 Tx 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 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 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 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | |
| 2.4 802.11n (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 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 | |
| 2.4 802.11n (OFDM) | 2 Tx 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 | |
| 2.4 802.11n (OFDM) | 3 Tx 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 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 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 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 | |
| 2.4 802.11ac (OFDM) | 1 Tx 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 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | |
| 2.4 802.11ac (OFDM) | 2 Tx VHT20 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 VHT20 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 | |
| 2.4 802.11ac (OFDM) | 2 Tx VHT20 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 VHT20 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 VHT20 All Non 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 VHT20 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)
     - 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.
     - 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.
     - 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)
     - 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.
     - 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:
     - The mode and bandwidth configuration with the highest specified output power is prioritized.
     - If the output power specified is the same across all modes and bandwidth configurations, the mode with the highest bandwidth is chosen.
     - If a test mode cannot be identified with the two criteria listed above, the mode with the lowest order modulation is chosen.
     - If a test mode still cannot be decided, then the mode with the lowest data rate is chosen.
     - 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:
     - 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*.
     - 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 | |
| 5.2 802.11a (OFDM) 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 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 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 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 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 | |
| 5.2 802.11n (OFDM) U-NII-1 | 1 Tx 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 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 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 | |
| 5.2 802.11n (OFDM) U-NII-1 | 2 Tx 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 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 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 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 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 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 | |
| 5.2 802.11n (OFDM) U-NII-1 | 1 Tx 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 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 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 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 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 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 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 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 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 | |
| 5.2 802.11ac (OFDM) U-NII-1 | 1 Tx 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 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 VHT80 SISO | 42 | 5210 | 14.50 | | | 14.50 | | | No |
| | | 42 | 5210 | | 14.50 | | | 14.50 | | |
| | | 42 | 5210 | | | 14.50 | | | 14.50 | |
| | 2 Tx 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 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 | |
| 5.2 802.11ac (OFDM) U-NII-1 | 2 Tx 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 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 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 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 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 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 | |
| 5.2 802.11ac (OFDM) U-NII-1 | 2 Tx 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 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 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 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 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 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 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 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 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 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 | |
| 5.2 802.11ac (OFDM) U-NII-1 | 2 Tx 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 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 VHT80 CDD | 42 | 5210 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | No |
| | 3 Tx VHT80 STBC | 42 | 5210 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | No |
| | 3 Tx VHT80 SDM | 42 | 5210 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | No |
| | 3 Tx 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 | |
| 5.3 802.11a (OFDM) 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 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 | |
| 5.3 802.11a (OFDM) U-NII-2A | 2 Tx 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 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 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 | |
| 5.3 802.11n (OFDM) U-NII-2A | 1 Tx 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 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 | |
| 5.3 802.11n (OFDM) U-NII-2A | 2 Tx 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 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 | |
| 5.3 802.11n (OFDM) U-NII-2A | 2 Tx 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 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 | |
| 5.3 802.11n (OFDM) U-NII-2A | 3 Tx 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 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 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 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 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 HT40 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 HT40 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 5.3 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 | |
| 5.3 802.11n (OFDM) U-NII-2A | 2 Tx 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 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 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 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 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 | |
| 5.3 802.11ac (OFDM) U-NII-2A | 1 Tx 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 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 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 | |
| 5.3 802.11ac (OFDM) U-NII-2A | 2 Tx 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 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 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 | |
| 5.3 802.11ac (OFDM) U-NII-2A | 2 Tx 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 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 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 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 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 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 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 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 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | |
| 5.3 802.11ac (OFDM) U-NII-2A | 2 Tx 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 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 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 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 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 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 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 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 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 VHT80 CDD | 58 | 5290 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | No |
| | 3 Tx VHT80 STBC | 58 | 5290 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | No |
| | 3 Tx VHT80 SDM | 58 | 5290 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | No |
| | 3 Tx 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 | |
| 5.5 802.11a (OFDM) 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 | |
| 5.5 802.11a (OFDM) U-NII-2C | 2 Tx 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 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 | |
| 5.5 802.11a (OFDM) U-NII-2C | 2 Tx 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 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 | |
| 5.5 802.11n (OFDM) U-NII-2C | 1 Tx 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 | |
| 5.5 802.11n (OFDM) U-NII-2C | 1 Tx 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 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 | | |
| | | 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 | |

**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 | |
| 5.5 802.11n (OFDM) U-NII-2C | 2 Tx 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 HT20 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 | |
| | | 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 | |
| 5.5 802.11n (OFDM) U-NII-2C | 2 Tx 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 | |
| | | 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 HT20 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 | |

**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 | |
| 5.5 802.11n (OFDM) U-NII-2C | 3 Tx HT20 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 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 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 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 | |
| 5.5 802.11n (OFDM) U-NII-2C | 2 TX HT40 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 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 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 HT40 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 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 | |
| 5.5 802.11ac (OFDM) 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 | | |
| | | 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 | |
| | 1 Tx VHT40 | 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 | |
| 5.5 802.11ac (OFDM) U-NII-2C | 1 Tx 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 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 | | |
| | | 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 | |
| | | 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 | |
| 5.5 802.11ac (OFDM) U-NII-2C | 2 Tx VHT20 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 | |
| | | 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 VHT20 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 | | |

**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 | |
| 5.5 802.11ac (OFDM) U-NII-2C | 2 Tx 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 | |
| | | 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 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 | No |
| | 3 Tx VHT20 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 | |
| 5.5 802.11ac (OFDM) 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 | | |
| | | 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 | 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 | 16.50 | | 15.50 | 16.50 | |
| | | 142 | 5710 | | 15.50 | 16.75 | | 15.50 | 16.75 | |
| | 2 Tx VHT40 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 | | |
| | | 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 | 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 | 16.50 | | 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 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | |
| 5.5 802.11ac (OFDM) U-NII-2C | 2 Tx 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 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 VHT40 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 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 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 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | |
| 5.5 802.11ac (OFDM) U-NII-2C | 2 Tx VHT80 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 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 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 VHT80 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 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 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | |
| 5.8 802.11a (OFDM) 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 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 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 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 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 | |
| | | 165 | 5825 | | 16.50 | 17.50 | | 16.50 | 17.50 | |
| | 2 Tx HT20 TXBF | 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 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | Wi-Fi 1 Chain 3 | Wi-Fi 2 Chain 1 | Wi-Fi 3 Chain 2 | |
| 5.8 802.11ac (OFDM) U-NII-3 | 2 Tx VHT40 CDD/STBC/ 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 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 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 VHT40 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 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 CDD/STBC/S 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 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 VHT80 CDD | 155 | 5775 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | No |
| | 3 Tx VHT80 STBC/ SDM | 155 | 5775 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | No |
| | 3 Tx VHT80 TXBF | 155 | 5775 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | No |

## 8.3. Bluetooth Measured Power

| Band (GHz) | Mode | Ch # | Freq. (MHz) | Avg Power (dBm) |
|---|---|---|---|---|
| | | | | Wi-Fi 3 |
| | | | | Chain 2 |
| 2.4 | V1.8 + EDR, GFSK | 0 | 2402 | 7.8 |
| | | 39 | 2441 | 8.2 |
| | | 78 | 2480 | 7.9 |
| | V1.8 + EDR, QPSK | 0 | 2402 | 4.5 |
| | | 39 | 2441 | 4.4 |
| | | 78 | 2480 | 4.5 |
| | V1.8 BLE, 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 ± 2°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 | |
|---|---|---|---|---|
| | $\varepsilon_r$ | σ (S/m) | $\varepsilon_r$ | σ (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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 ($\epsilon_r$): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 6.10 | 6.00 | 1.59 | 5 |

**DASY D Continued**

| Date | Freq. (MHz) | Liquid Parameters | | | Measured | Target | Delta (%) | Limit ±(%) |
|---|---|---|---|---|---|---|---|---|
| 5/4/2015 | Body 5180 | e' | 47.5300 | Relative Permittivity ($\epsilon_r$): | 47.53 | 49.05 | -3.09 | 5 |
| | | e" | 18.0900 | Conductivity (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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 (σ): | 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. 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) | 1072 | Body | 1g | 7.99 | 79.9 | 80.4 | -0.62 | |
| | | | | 10g | 2.20 | 22.0 | 22.3 | -1.35 | |
| 3/23/2015 | D5GHzV2 (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 (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 (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 (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 (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 (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 (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 (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 (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 (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:

- ≤ 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 ≤ 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 ≤ 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 ≤ 1.2 W/kg or all required channels are tested.
2. For *Subsequent Test Configurations* with output power ≤ 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 ≤ 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 ≤ 1.2 W/kg, using the following criteria for test channel selection:
     - The highest measured output channel in the *Subsequent Test Configurations*, if the measured output power is different among channels.
     - 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.
     - 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 ≤ 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 ≤ 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 3rd 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 ≥ 1 dB lower than that specified for 802.11b DSSS and the highest reported SAR for 802.11b DSSS is ≤ 1.2 W/kg.
   - SAR not required for 802.11g/n OFDM when its specified output power is ≤ 0.25 dB higher and < 1 dB lower than that specified 802.11b DSSS and the highest reported SAR for 802.11b DSSS is ≤ 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:
     - UNII Band 2A, if the output power specified for both bands is the same or higher on UNII Band 2A.
     - 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:
     - ≤ 1.2 W/kg, SAR is not required for the remaining band.
     - > 1.2 W/kg, and the difference in specified output power is ≤ 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:
    - 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:
    - The channels in UNII Band 2C above 5.65 GHz are then grouped with the channels in UNII Band 3.
    - 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.
    - 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 (GHz) | Mode | No. of Transmitters | Ch #. | Freq. (MHz) | Power (dBm) | | | | | | SAR (W/kg) | | | | | | | | | | | | Plot No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chain 3 | | Chain 1 | | Chain 2 | | Chain 3 | | | | Chain 1 | | | | Chain 2 | | | | |
| | | | | | Tune-up Limit | Measured | Tune-up Limit | Measured | Tune-up 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 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 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 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 TxBF 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):**

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 ≥165 mm.

## Vendor B

| Band (GHz) | Mode | No. of Transmitters | Ch #. | Freq. (MHz) | Power (dBm) | | | | | | SAR (W/kg) | | | | | | | | | | | | Plot No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chain 3 | | Chain 1 | | Chain 2 | | Chain 3 | | | | Chain 1 | | | | Chain 2 | | | | |
| | | | | | | | | | | | Measured | | Scaled | | Measured | | Scaled | | Measured | | Scaled | | |
| | | | | | Tune-up Limit | Measured | Tune-up Limit | Measured | Tune-up Limit | Measured | 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 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 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 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 TxBF 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):**

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 ≥165 mm.

## 11.2. Wi-Fi 5 GHz

### 11.2.1. 5.3 GHz Band

**Vendor A**

| Band (GHz) | Mode | No. of Transmitters | Ch #. | Freq. (MHz) | Power (dBm) | | | | | | SAR (W/kg) | | | | | | | | | | | | Plot No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chain 3 | | Chain 1 | | Chain 2 | | Chain 3 | | | | Chain 1 | | | | Chain 2 | | | | |
| | | | | | | | | | | | Measured | | Scaled | | Measured | | Scaled | | Measured | | Scaled | | |
| | | | | | Tune-up Limit | Measured | Tune-up Limit | Measured | Tune-up Limit | Measured | 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 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 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 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 TxBF 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):**

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 ≥165 mm.

## Vendor B

| Band (GHz) | Mode | No. of Transmitters | Ch #. | Freq. (MHz) | Power (dBm) | | | | | | SAR (W/kg) | | | | | | | | | | | | Plot No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chain 3 | | Chain 1 | | Chain 2 | | Chain 3 | | | | Chain 1 | | | | Chain 2 | | | | |
| | | | | | Tune-up Limit | Measured | Tune-up Limit | Measured | Tune-up 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 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 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 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 TxBF 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 ≥165 mm.

## 11.2.2. 5.5 GHz Band

### Vendor A

| Band (GHz) | Mode | No. of Transmitters | Ch #. | Freq. (MHz) | Power (dBm) | | | | | | SAR (W/kg) | | | | | | | | | | | | Plot No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chain 3 | | Chain 1 | | Chain 2 | | Chain 3 | | | | Chain 1 | | | | Chain 2 | | | | |
| | | | | | | | | | | | Measured | | Scaled | | Measured | | Scaled | | Measured | | Scaled | | |
| | | | | | Tune-up Limit | Measured | Tune-up Limit | Measured | Tune-up Limit | Measured | 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 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 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 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 TxBF 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):**

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 ≥165 mm.

## 5.5 GHz Band Continued
## Vendor B

| Band (GHz) | Mode | No. of Transmitters | Ch #. | Freq. (MHz) | Power (dBm) | | | | | | SAR (W/kg) | | | | | | | | | | | | Plot No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chain 3 | | Chain 1 | | Chain 2 | | Chain 3 | | | | Chain 1 | | | | Chain 2 | | | | |
| | | | | | | | | | | | Measured | | Scaled | | Measured | | Scaled | | Measured | | Scaled | | |
| | | | | | Tune-up Limit | Measured | Tune-up Limit | Measured | Tune-up Limit | Measured | 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 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 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 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 TxBF 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):**

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 ≥165 mm.

## 11.2.3. 5.8 GHz Band

### Vendor A

| Band (GHz) | Mode | No. of Transmitters | Ch #. | Freq. (MHz) | Power (dBm) | | | | | | SAR (W/kg) | | | | | | | | | | | | Plot No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chain 3 | | Chain 1 | | Chain 2 | | Chain 3 | | | | Chain 1 | | | | Chain 2 | | | | |
| | | | | | | | | | | | Measured | | Scaled | | Measured | | Scaled | | Measured | | Scaled | | |
| | | | | | Tune-up Limit | Measured | Tune-up Limit | Measured | Tune-up Limit | Measured | 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 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 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 TxBF 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 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):**

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 ≥165 mm.

## Vendor B

| Band (GHz) | Mode | No. of Transmitters | Ch #. | Freq. (MHz) | Power (dBm) | | | | | | SAR (W/kg) | | | | | | | | | | | | Plot No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chain 3 | | Chain 1 | | Chain 2 | | Chain 3 | | | | Chain 1 | | | | Chain 2 | | | | |
| | | | | | Tune-up Limit | Measured | Tune-up Limit | Measured | Tune-up 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 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 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 TxBF 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 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 ≥165 mm.

## 11.3. Bluetooth

| Mode | Ch #. | Freq. (MHz) | Power (dBm) | | SAR (W/kg) | | | | Plot No. |
|---|---|---|---|---|---|---|---|---|---|
| | | | Chain 2 | | Chain 2 | | | | |
| | | | Tune-up 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 ≥ 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 ≥ 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 ≥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:

$SAR_1$ 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

$SAR_2$ 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 | SISO (1TX)<br>1. DTS 2.4GHz (Wi-Fi 1) + BT (Wi-Fi 3)<br>2. DTS 2.4GHz (Wi-Fi 2) + BT (Wi-Fi 3)<br>3. UNII 5GHz (Wi-Fi 1) + BT (Wi-Fi 3)<br>4. UNII 5GHz (Wi-Fi 2) + BT (Wi-Fi 3)<br>MIMO (2,3 TX)<br>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) |
| Notes:<br>1. Wi-Fi 2.4 GHz Radio on Wi-Fi 3 cannot transmit simultaneously with Bluetooth Radio | |

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

| RF Exposure condition | Test Position | Simultaneous Transmission Scenario | | | | ∑ 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 | | | | | | ∑ 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**