

# FCC Test Report

## (Class II Permissive Change)

|              |                      |
|--------------|----------------------|
| Product Name | Intel® Wi-Fi 6 AX201 |
| Model No     | AX201D2W             |
| FCC ID       | PD9AX201D2           |

|           |                                                                                    |
|-----------|------------------------------------------------------------------------------------|
| Applicant | Intel Corporation                                                                  |
| Address   | 100 Center Point Circle Suite 200 Columbia,<br>South Carolina 29210, United States |

|                 |                     |
|-----------------|---------------------|
| Date of Receipt | Mar. 30, 2019       |
| Issued Date     | Oct. 02, 2019       |
| Report No.      | 1930505R-RFUSP30V00 |
| Report Version  | V1.0                |



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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# Test Report

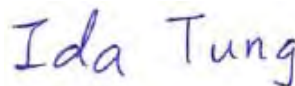
Issued Date: Oct. 02, 2019

Report No.: 1930505R-RFUSP30V00



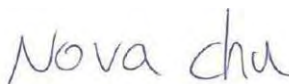
|                     |                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------|
| Product Name        | Intel® Wi-Fi 6 AX201                                                                                |
| Applicant           | Intel Corporation                                                                                   |
| Address             | 100 Center Point Circle Suite 200 Columbia, South Carolina 29210,<br>United States                  |
| Manufacturer        | INTEL MOBILE COMMUNICATIONS                                                                         |
| Model No.           | AX201D2W                                                                                            |
| FCC ID.             | PD9AX201D2                                                                                          |
| EUT Rated Voltage   | DC 3.3V                                                                                             |
| EUT Test Voltage    | DC 3.3V (Power By Test Fixture)                                                                     |
| Trade Name          | Intel                                                                                               |
| Applicable Standard | FCC CFR Title 47 Part 15 Subpart E<br>ANSI C63.4: 2014, ANSI C63.10: 2013<br>KDB Publication 789033 |
| Test Result         | Complied                                                                                            |

Documented By :



( Adm. Assistant / Ida Tung )

Tested By :



( Engineer / Nova Chu )

Approved By :



( Director / Vincent Lin )

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Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs

## 1. GENERAL INFORMATION

### 1.1. EUT Description

|                    |                                                                                                                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name       | Intel® Wi-Fi 6 AX201                                                                                                                                                                                                                             |
| Trade Name         | Intel                                                                                                                                                                                                                                            |
| FCC ID.            | PD9AX201D2                                                                                                                                                                                                                                       |
| Model No.          | AX201D2W                                                                                                                                                                                                                                         |
| Frequency Range    | 802.11a/n/ax-20MHz: 5180-5320MHz, 5500-5700MHz, 5720 MHz, 5745-5825MHz<br>802.11n/ax-40MHz: 5190-5310MHz, 5510-5670MHz, 5710 MHz, 5755-5795MHz<br>802.11ac/ax-80MHz: 5210-5290MHz, 5530-5690MHz, 5775MHz<br>802.11ac/ax-160MHz: 5250MHz, 5570MHz |
| Number of Channels | 802.11a/n/ax-20MHz: 25<br>802.11n/ax-40MHz: 12<br>802.11ac/ax-80MHz: 6<br>802.11ac/ax-160MHz: 2                                                                                                                                                  |
| Data Rate          | 802.11a: 6 - 54Mbps<br>802.11n: up to 300Mbps<br>802.11ac: up to 1733.3Mbps<br>802.11ax: up to 2402Mbps                                                                                                                                          |
| Type of Modulation | 802.11a/n/ac/ax: OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM                                                                                                                                                                                 |
| Antenna type       | Dipole Antenna                                                                                                                                                                                                                                   |
| Channel Control    | Auto                                                                                                                                                                                                                                             |
| Antenna Gain       | Refer to the table "Antenna List"                                                                                                                                                                                                                |

#### Antenna List

| No. | Manufacturer | Part No.                            | Antenna type   | Peak Gain                                                                                                          |
|-----|--------------|-------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------|
| 1   | WIESON       | GY121HT0321-003-H / GY121C888-001-H | Dipole Antenna | 2.92 dBi for 5.15~5.25GHz<br>3.19 dBi for 5.25~5.35GHz<br>4.41 dBi for 5.47~5.725GHz<br>4.22 dBi for 5.725~5.85GHz |

Note: The antenna of EUT is conforming to FCC 15.203.

## 802.11a/n/ax-20MHz Center Working Frequency of Each Channel:

| Channel      | Frequency | Channel      | Frequency | Channel      | Frequency | Channel      | Frequency |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| Channel 036: | 5180 MHz  | Channel 040: | 5200 MHz  | Channel 044: | 5220 MHz  | Channel 048: | 5240 MHz  |
| Channel 052: | 5260 MHz  | Channel 056: | 5280 MHz  | Channel 060: | 5300 MHz  | Channel 064: | 5320 MHz  |
| Channel 100: | 5500 MHz  | Channel 104: | 5520 MHz  | Channel 108: | 5540 MHz  | Channel 112: | 5560 MHz  |
| Channel 116: | 5580 MHz  | Channel 120: | 5600 MHz  | Channel 124: | 5620 MHz  | Channel 128: | 5640 MHz  |
| Channel 132: | 5660 MHz  | Channel 136: | 5680 MHz  | Channel 140: | 5700 MHz  | Channel 144: | 5720 MHz  |
| Channel 149: | 5745 MHz  | Channel 153: | 5765 MHz  | Channel 157: | 5785 MHz  | Channel 161: | 5805 MHz  |
| Channel 165: | 5825 MHz  |              |           |              |           |              |           |

## 802.11n/ax-40MHz Center Working Frequency of Each Channel:

| Channel      | Frequency | Channel      | Frequency | Channel      | Frequency | Channel      | Frequency |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| Channel 038: | 5190 MHz  | Channel 046: | 5230 MHz  | Channel 054: | 5270 MHz  | Channel 062: | 5310 MHz  |
| Channel 102: | 5510 MHz  | Channel 110: | 5550 MHz  | Channel 118: | 5590 MHz  | Channel 126: | 5630 MHz  |
| Channel 134: | 5670 MHz  | Channel 142: | 5710 MHz  | Channel 151: | 5755 MHz  | Channel 159: | 5795 MHz  |

## 802.11ac/ax-80MHz Center Working Frequency of Each Channel:

| Channel      | Frequency | Channel      | Frequency | Channel      | Frequency | Channel      | Frequency |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| Channel 042: | 5210 MHz  | Channel 058: | 5290 MHz  | Channel 106: | 5530 MHz  | Channel 122: | 5610 MHz  |
| Channel 138: | 5690 MHz  | Channel 155: | 5775 MHz  |              |           |              |           |

## 802.11ac/ax-160MHz Center Working Frequency of Each Channel:

| Channel     | Frequency | Channel      | Frequency |
|-------------|-----------|--------------|-----------|
| Channel 50: | 5250 MHz  | Channel 114: | 5570 MHz  |

## Note:

1. This device is an Intel® Wi-Fi 6 AX201 with a built-in WLAN (802.11a/b/g/n/ac/ax) with Bluetooth (5.0 and V3.0+HS, V2.1+EDR) transceiver, this report for 5GHz WLAN.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report.
4. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance of transmitter with Part 15 Subpart E for Unlicensed National Information Infrastructure devices.
5. This is to request a Class II permissive change for FCC ID: PD9AX201D2, originally granted on 11/20/2018.

The major change filed under this application is:

Change #1: Addition a Dipole Antenna, the antenna type is different with the original application.

|           |                                                    |
|-----------|----------------------------------------------------|
| Test Mode | Mode 1 SISO A: Transmit (802.11a_6Mbps)            |
|           | Mode 2 SISO A: Transmit (802.11n-20BW_7.2Mbps)     |
|           | Mode 3 SISO A: Transmit (802.11n-40BW_15Mbps)      |
|           | Mode 4 SISO A: Transmit (802.11ac-80BW_32.5Mbps)   |
|           | Mode 5 SISO A: Transmit (802.11ac-160BW_65Mbps)    |
|           | Mode 6 SISO A: Transmit (802.11ax-20BW_8.6Mbps)    |
|           | Mode 7 SISO A: Transmit (802.11ax-40BW_17.2Mbps)   |
|           | Mode 8 SISO A: Transmit (802.11ax-80BW_36Mbps)     |
|           | Mode 9 SISO A: Transmit (802.11ax-160BW_72.1Mbps)  |
|           | Mode 10 SISO B: Transmit (802.11a_6Mbps)           |
|           | Mode 11 SISO B: Transmit (802.11n-20BW_7.2Mbps)    |
|           | Mode 12 SISO B: Transmit (802.11n-40BW_15Mbps)     |
|           | Mode 13 SISO B: Transmit (802.11ac-80BW_32.5Mbps)  |
|           | Mode 14 SISO B: Transmit (802.11ac-160BW_65Mbps)   |
|           | Mode 15 SISO B Transmit (802.11ax-20BW_8.6Mbps)    |
|           | Mode 16 SISO B: Transmit (802.11ax-40BW_17.2Mbps)  |
|           | Mode 17 SISO B: Transmit (802.11ax-80BW_36Mbps)    |
|           | Mode 18 SISO B: Transmit (802.11ax-160BW_72.1Mbps) |
|           | Mode 19 MIMO: Transmit (802.11n-20BW_14.4Mbps)     |
|           | Mode 20 MIMO: Transmit (802.11n-40BW_30Mbps)       |
|           | Mode 21 MIMO: Transmit (802.11ac-80BW_65Mbps)      |
|           | Mode 22 MIMO: Transmit (802.11ac-160BW_130Mbps)    |
|           | Mode 23 MIMO: Transmit (802.11ax-20BW_17.2Mbps)    |
|           | Mode 24 MIMO: Transmit (802.11ax-40BW_34.4Mbps)    |
|           | Mode 25 MIMO: Transmit (802.11ax-80BW_72.1Mbps)    |
|           | Mode 26 MIMO: Transmit (802.11ax-160BW_144.1Mbps)  |
|           | Mode 27: Transmit-SISO A                           |
|           | Mode 28: Transmit-SISO B                           |
|           | Mode 29: Transmit-MIMO                             |

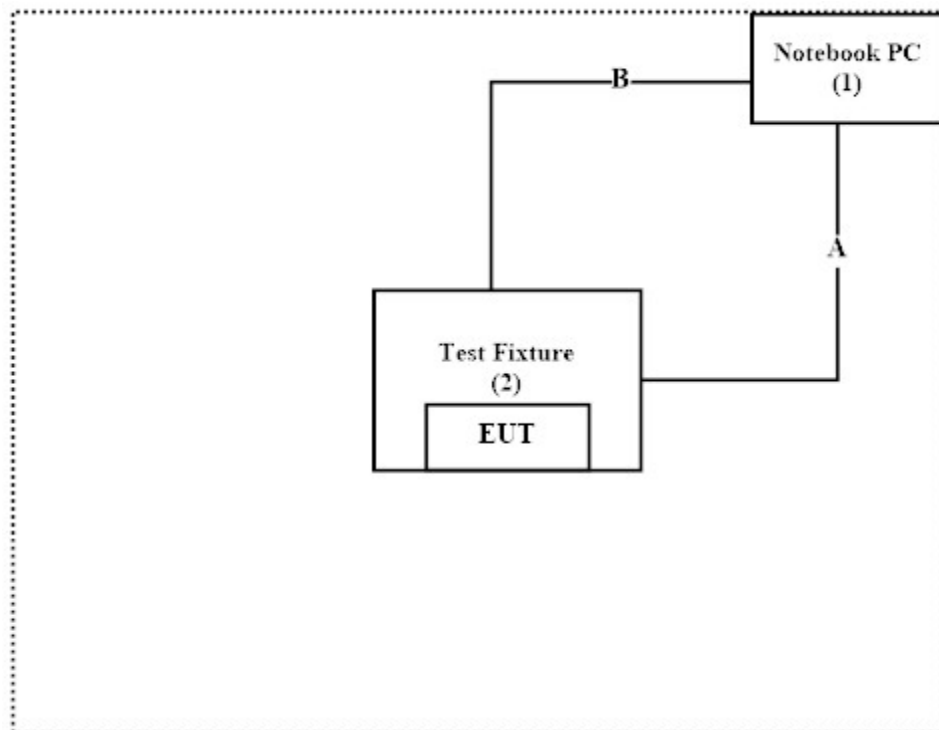
### 1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

| Product |              | Manufacturer | Model No. | Serial No. | Power Cord |
|---------|--------------|--------------|-----------|------------|------------|
| 1       | Notebook PC  | DELL         | P62G      | 9TSGJC2    | N/A        |
| 2       | Test Fixture | Intel        | N/A       | N/A        | N/A        |

| Signal Cable Type |                         | Signal cable Description |
|-------------------|-------------------------|--------------------------|
| A                 | Test Fixture Line Cable | Non-shielded, 1m         |
| B                 | USB Cable               | Shielded, 1.8m           |

### 1.4. Configuration of tested System



### 1.5. EUT Exercise Software

1. Setup the EUT as shown in Section 1.4.
2. Execute software “DRTU (Ver 11.1850.0-08900)” on the Notebook PC.
3. Configure the test mode, the test channel, and the data rate.
4. Press “OK” to start the continuous Transmit.
5. Verify that the EUT works properly.

## 1.6. Test Facility

Ambient conditions in the laboratory:

| Performed Item     | Items            | Required | Actual |
|--------------------|------------------|----------|--------|
| Conducted Emission | Temperature (°C) | 10~40 °C | 25 °C  |
|                    | Humidity (%RH)   | 10~90 %  | 57 %   |
| Radiated Emission  | Temperature (°C) | 10~40 °C | 25 °C  |
|                    | Humidity (%RH)   | 10~90 %  | 57 %   |
| Conductive         | Temperature (°C) | 10~40 °C | 25 °C  |
|                    | Humidity (%RH)   | 10~90 %  | 57 %   |

**USA : FCC Registration Number: TW0023**

**Canada : IC Registration Number: 4075A**

Site Description : Accredited by TAF  
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd  
Address : No.159, Sec. 2, Wenhua 1st Rd., Linkou Dist.,  
New Taipei City 24457, Taiwan, R.O.C.

Phone number : 886-2-2602-7968  
Fax number : 866-2-2602-3286  
Email address : [info.tw@dekra.com](mailto:info.tw@dekra.com)  
Website : <http://www.dekra.com.tw>

## 1.7. List of Test Equipment

### For Conducted measurements /ASR2

|   | Equipment         | Manufacturer | Model No. | Serial No. | Cali. Data | Due. Data  |
|---|-------------------|--------------|-----------|------------|------------|------------|
| X | Spectrum Analyzer | R&S          | FSV30     | 103464     | 2019.01.25 | 2020.01.24 |
| X | Power Meter       | Anritsu      | ML2496A   | 1548003    | 2018.12.19 | 2019.12.18 |
| X | Power Sensor      | Anritsu      | MA2411B   | 1531024    | 2018.12.19 | 2019.12.18 |
| X | Power Sensor      | Anritsu      | MA2411B   | 1531025    | 2018.12.19 | 2019.12.18 |
|   | Bluetooth Tester  | R&S          | CBT       | 101238     | 2019.01.21 | 2020.01.20 |

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with “X” are used to measure the final test results.
3. Test Software version : DEKRA Conduction Test System V9.0.5

### For Radiated measurements /ACB1

|   | Equipment         | Manufacturer  | Model No.    | Serial No. | Cali. Data | Due. Data  |
|---|-------------------|---------------|--------------|------------|------------|------------|
| X | Loop Antenna      | AMETEK        | HLA6121      | 49611      | 2019.02.22 | 2020.02.21 |
| X | Bi-Log Antenna    | SCHWARZBECK   | VULB9168     | 9168-674   | 2019.04.23 | 2020.04.22 |
| X | Horn Antenna      | ETS-Lindgren  | 3117         | 00203800   | 2018.12.11 | 2019.12.10 |
| X | Horn Antenna      | Com-Power     | AH-840       | 101087     | 2019.05.30 | 2020.05.29 |
| X | Pre-Amplifier     | EMCI          | EMC001330    | 980316     | 2019.06.14 | 2020.06.13 |
| X | Pre-Amplifier     | EMCI          | EMC051835SE  | 980311     | 2019.06.13 | 2020.06.12 |
| X | Pre-Amplifier     | EMCI          | EMC05820SE   | 980310     | 2019.06.24 | 2020.06.23 |
| X | Pre-Amplifier     | EMCI          | EMC184045SE  | 980314     | 2019.05.28 | 2020.05.27 |
|   | Filter            | MICRO TRONICS | BRM50702     | G251       | 2019.09.03 | 2020.09.02 |
| X | Filter            | MICRO TRONICS | BRM50716     | G188       | 2019.09.03 | 2020.09.02 |
| X | EMI Test Receiver | R&S           | ESR7         | 101602     | 2018.12.17 | 2019.12.16 |
| X | Spectrum Analyzer | R&S           | FSV40        | 101148     | 2019.02.20 | 2020.02.19 |
| X | Coaxial Cable     | SUHNER        | SUCOFLEX 106 | RF002      | 2019.05.25 | 2020.05.24 |
| X | Mircoflex Cable   | HUBER SUHNER  | SUCOFLEX 102 | MY3381/2   | 2019.05.28 | 2020.05.27 |

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with “X” are used to measure the final test results.
3. Test Software version : QuieTek EMI 2.0 V2.1.113

## 1.8. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document, and is described in each test chapter of this report.

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

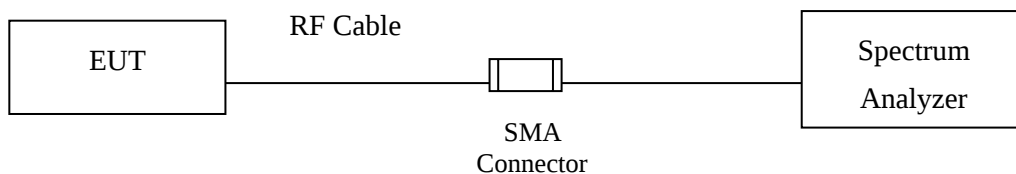
Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference.

Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

## 2. Maximun conducted output power

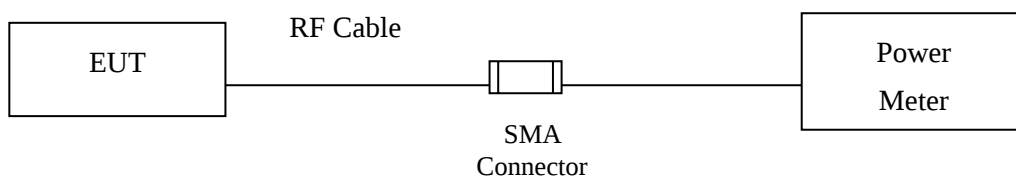
### 2.1. Test Setup

#### 99% Occupied Bandwidth

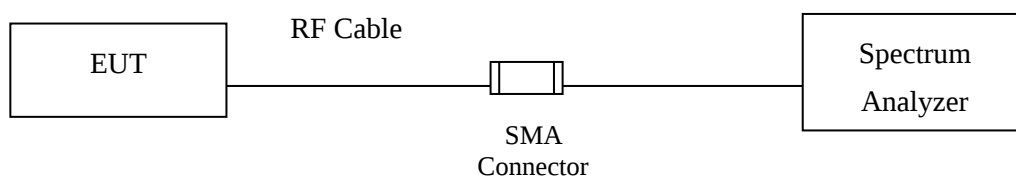


#### Conduction Power Measurement

Conduction Power Measurement (for 802.11an)



Conduction Power Measurement (for 802.11ac)



## 2.2. Limits

For the band 5.15-5.25 GHz,

**(i)** For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

**(ii)** For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**(iii)** For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

**(iv)** For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 99% emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point UNII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

### 2.3. Test Procedure

As an alternative to FCC KDB-789033, the EUT maximum conducted output power was measured with an average power meter employing a video bandwidth greater the 6dB BW of the emission under test. Maximum conducted output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the limitations of FCC KDB-789033, and provides more accurate measurements.

802.11an ( $BW \leq 40\text{MHz}$ ) Maximum conducted output power using KDB 789033 section E)3)b) Method PM-G (Measurement using a gated RF average power meter)

Note: the power meter have a video bandwidth that is greater than or equal to the measurement bandwidth.

802.11ac ( $BW=80\text{MHz}$ ) Maximum conducted output power using KDB 789033 section E)2)b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep).

When transmitted signals consist of two or more non-contiguous spectrum segments (e.g., 80+80 MHz mode) or when a single spectrum segment of a transmission crosses the boundary between two adjacent U-NII bands, KDB 644545 D03 section D) procedure is used for measurements.

### 2.4. Uncertainty

Power Meter:  $\pm 0.95\text{dB}$

Spectrum Analyzer:  $\pm 1.30\text{dB}$

## 2.5. Test Result of Maximum conducted output power

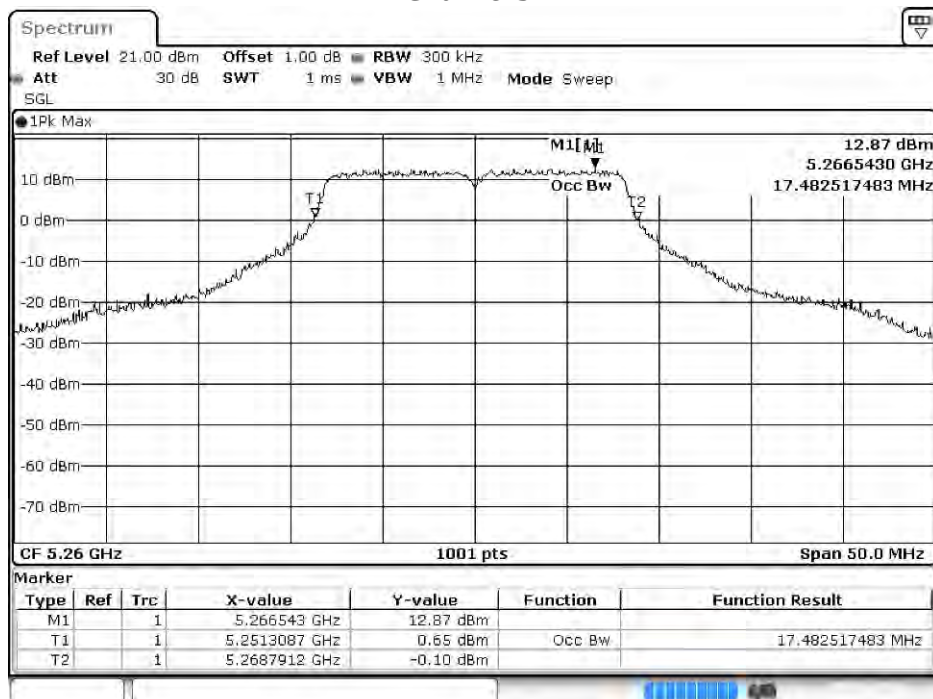
Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 1 SISO A: Transmit (802.11a\_6Mbps)

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 6                              | 9     | 12    | 18    | 24    | 36    | 48    | 54    |
|                  |                 | Measurement Level (dBm)        |       |       |       |       |       |       |       |
| 36               | 5180            | 18.61                          | --    | --    | --    | --    | --    | --    | --    |
| 44               | 5220            | 19.35                          | 19.30 | 19.26 | 19.21 | 19.17 | 19.13 | 19.09 | 19.03 |
| 48               | 5240            | 20.74                          | --    | --    | --    | --    | --    | --    | --    |
| 52               | 5260            | 21.21                          | --    | --    | --    | --    | --    | --    | --    |
| 60               | 5300            | 21.32                          | 21.29 | 21.22 | 21.16 | 21.10 | 21.04 | 20.99 | 20.96 |
| 64               | 5320            | 18.57                          | --    | --    | --    | --    | --    | --    | --    |
| 100              | 5500            | 18.92                          | --    | --    | --    | --    | --    | --    | --    |
| 116              | 5580            | 21.39                          | 21.35 | 21.30 | 21.27 | 21.23 | 21.19 | 21.14 | 21.09 |
| 140              | 5700            | 18.03                          | --    | --    | --    | --    | --    | --    | --    |
| 149              | 5745            | 21.01                          | --    | --    | --    | --    | --    | --    | --    |
| 157              | 5785            | 21.19                          | 21.16 | 21.11 | 21.04 | 20.98 | 20.95 | 20.90 | 20.83 |
| 165              | 5825            | 21.21                          | --    | --    | --    | --    | --    | --    | --    |

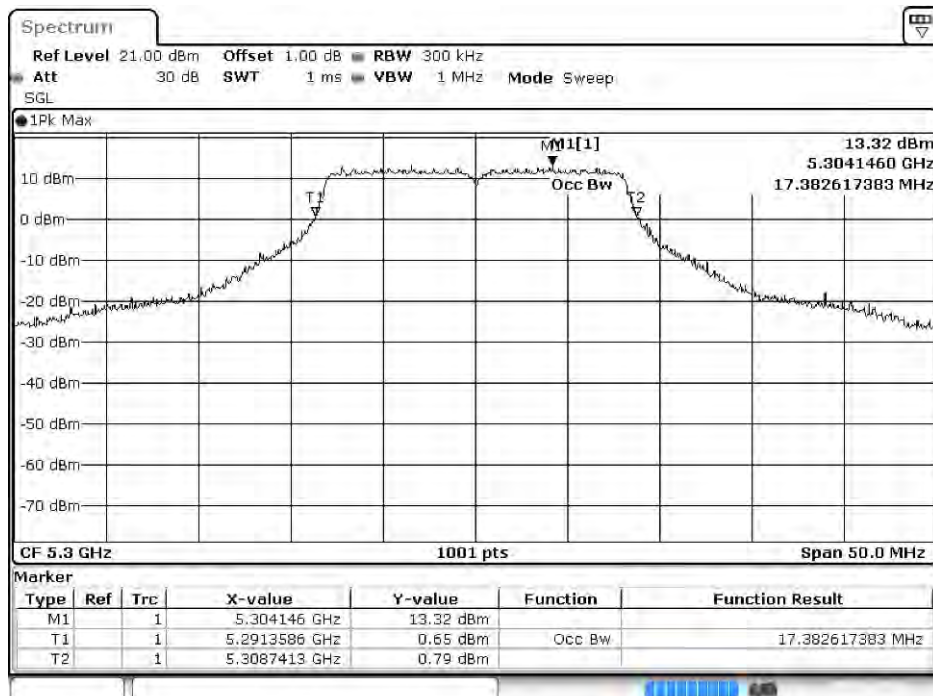
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

| Channel No | Frequency Range<br>(MHz) | 99% Bandwidth<br>(MHz) | Output Power<br>(dBm) | Output Power Limit |               | Result |
|------------|--------------------------|------------------------|-----------------------|--------------------|---------------|--------|
|            |                          |                        |                       | (dBm)              | dBm+10log(BW) |        |
| 36         | 5180                     | --                     | 18.61                 | 24                 | --            | Pass   |
| 44         | 5220                     | --                     | 19.35                 | 24                 | --            | Pass   |
| 48         | 5240                     | --                     | 20.74                 | 24                 | --            | Pass   |
| 52         | 5260                     | 17.483                 | 21.21                 | 24                 | 23.43         | Pass   |
| 60         | 5300                     | 17.383                 | 21.32                 | 24                 | 23.40         | Pass   |
| 64         | 5320                     | 17.133                 | 18.57                 | 24                 | 23.34         | Pass   |
| 100        | 5500                     | 17.233                 | 18.92                 | 24                 | 23.36         | Pass   |
| 116        | 5580                     | 18.032                 | 21.39                 | 24                 | 23.56         | Pass   |
| 140        | 5700                     | 17.133                 | 18.03                 | 24                 | 23.34         | Pass   |
| 149        | 5745                     | --                     | 21.01                 | 30                 | --            | Pass   |
| 157        | 5785                     | --                     | 21.19                 | 30                 | --            | Pass   |
| 165        | 5825                     | --                     | 21.21                 | 30                 | --            | Pass   |

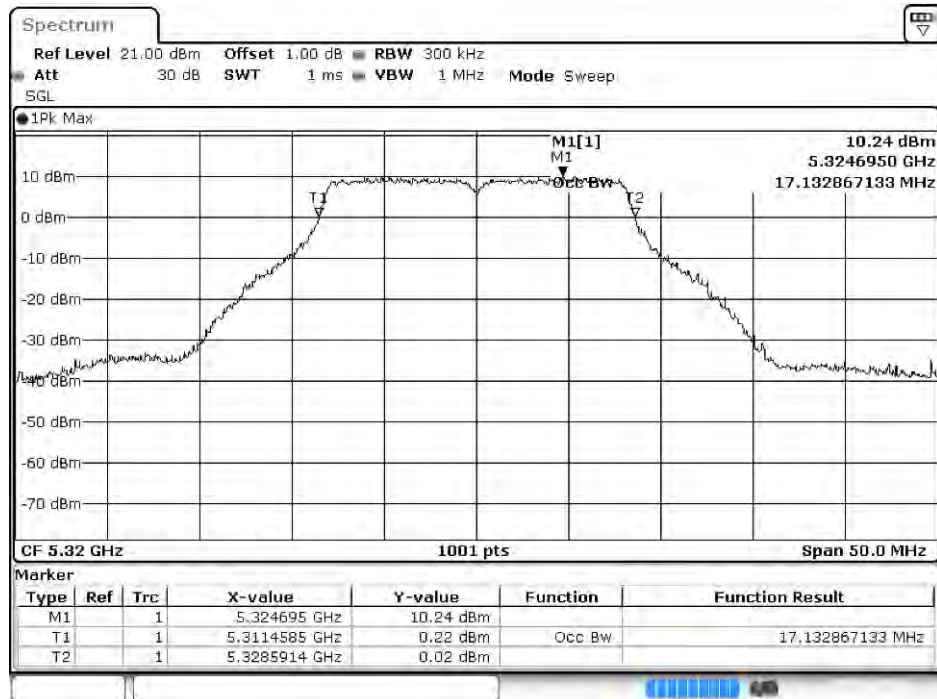
**99% Occupied Bandwidth:****Channel 52**

Date: 16.AUG.2019 09:57:32

**Channel 60**

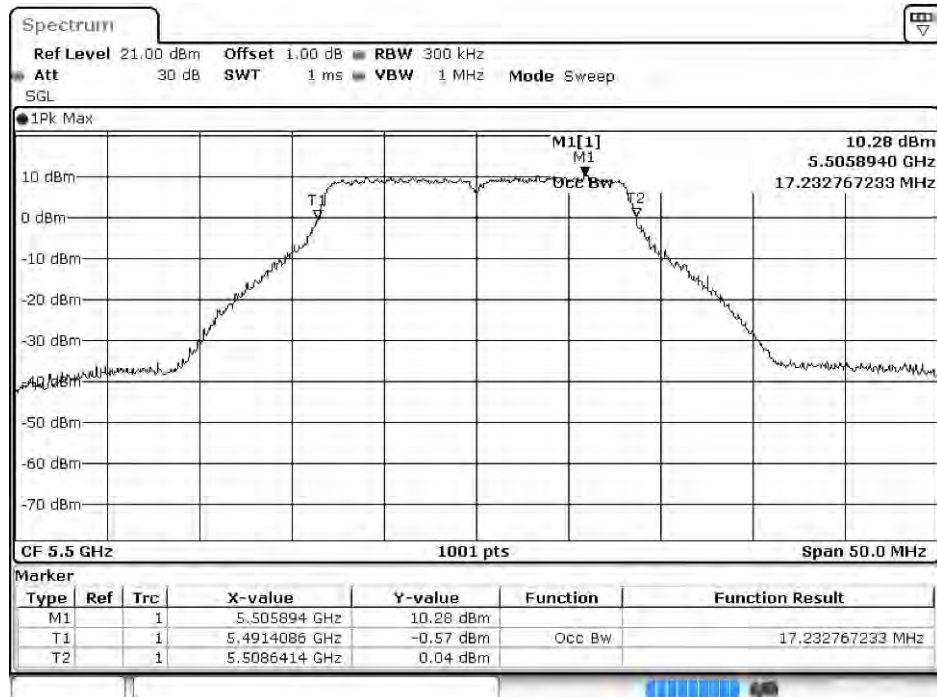
Date: 16.AUG.2019 09:58:42

## Channel 64



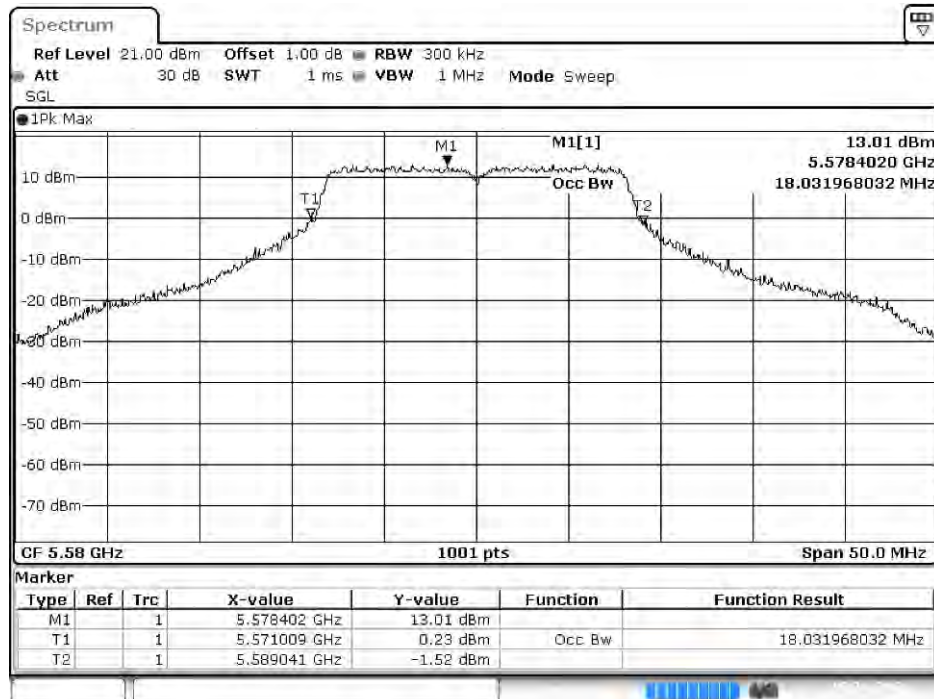
Date: 16.AUG.2019 09:59:30

## Channel 100



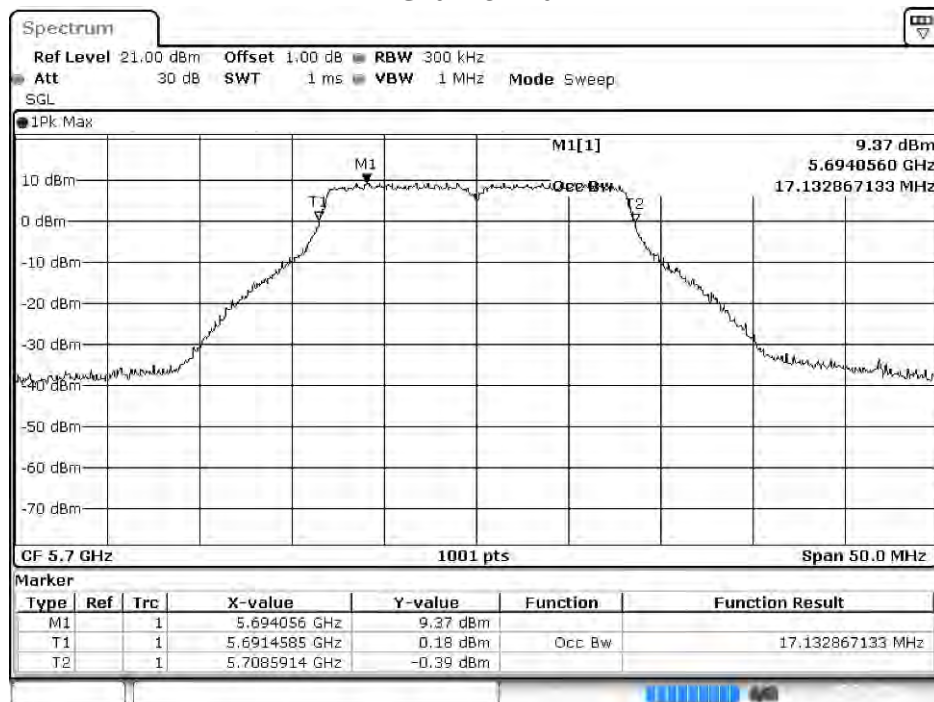
Date: 16.AUG.2019 10:00:08

## Channel 116



Date: 16.AUG.2019 10:00:47

## Channel 140



Date: 16.AUG.2019 10:02:04

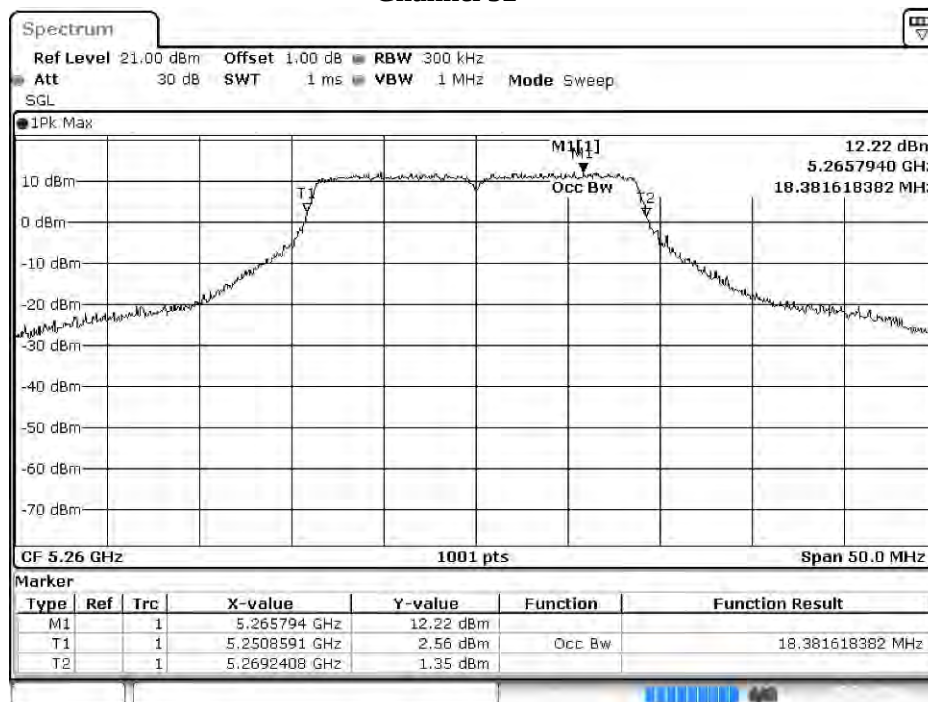
Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 2 SISO A: Transmit (802.11n-20BW\_7.2Mbps)

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 7.2                            | 14.4  | 21.7  | 28.9  | 43.3  | 57.8  | 65    | 72.2  |
|                  |                 | Measurement Level (dBm)        |       |       |       |       |       |       |       |
| 36               | 5180            | 18.26                          | --    | --    | --    | --    | --    | --    | --    |
| 44               | 5220            | 19.13                          | 19.09 | 19.04 | 19.01 | 18.94 | 18.90 | 18.86 | 18.82 |
| 48               | 5240            | 20.53                          | --    | --    | --    | --    | --    | --    | --    |
| 52               | 5260            | 21.14                          | --    | --    | --    | --    | --    | --    | --    |
| 60               | 5300            | 21.32                          | 21.26 | 21.23 | 21.18 | 21.15 | 21.11 | 21.05 | 21.00 |
| 64               | 5320            | 18.13                          | --    | --    | --    | --    | --    | --    | --    |
| 100              | 5500            | 18.83                          | --    | --    | --    | --    | --    | --    | --    |
| 116              | 5580            | 21.26                          | 21.21 | 21.15 | 21.09 | 21.04 | 21.01 | 20.94 | 20.90 |
| 140              | 5700            | 18.78                          | --    | --    | --    | --    | --    | --    | --    |
| 144(U-NII-2C)    | 5720            | 19.76                          | 19.71 | 19.66 | 19.61 | 19.58 | 19.54 | 19.50 | 19.45 |
| 144(U-NII-3)     | 5720            | 12.80                          | 12.74 | 12.70 | 12.65 | 12.59 | 12.53 | 12.48 | 12.41 |
| 149              | 5745            | 21.15                          | --    | --    | --    | --    | --    | --    | --    |
| 157              | 5785            | 21.04                          | 20.99 | 20.93 | 20.88 | 20.84 | 20.80 | 20.74 | 20.69 |
| 165              | 5825            | 20.94                          | --    | --    | --    | --    | --    | --    | --    |

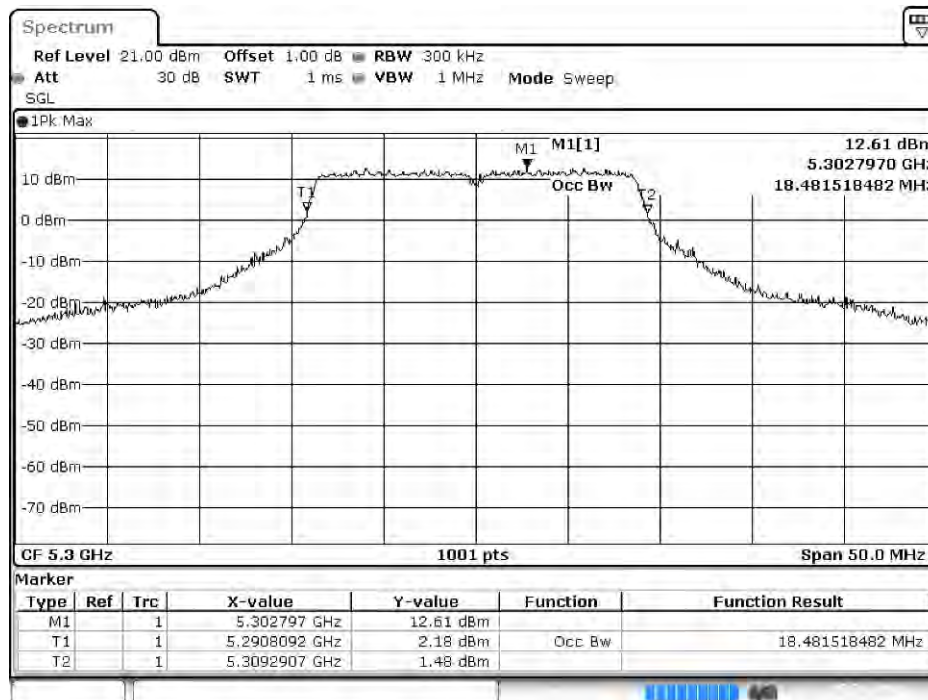
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

| Channel No    | Frequency Range<br>(MHz) | 99% Bandwidth<br>(MHz) | Output Power<br>(dBm) | Output Power Limit |               | Result |
|---------------|--------------------------|------------------------|-----------------------|--------------------|---------------|--------|
|               |                          |                        |                       | (dBm)              | dBm+10log(BW) |        |
| 36            | 5180                     | --                     | 18.26                 | 24                 | --            | Pass   |
| 44            | 5220                     | --                     | 19.13                 | 24                 | --            | Pass   |
| 48            | 5240                     | --                     | 20.53                 | 24                 | --            | Pass   |
| 52            | 5260                     | 18.382                 | 21.14                 | 24                 | 23.64         | Pass   |
| 60            | 5300                     | 18.482                 | 21.32                 | 24                 | 23.67         | Pass   |
| 64            | 5320                     | 18.132                 | 18.13                 | 24                 | 23.58         | Pass   |
| 100           | 5500                     | 18.182                 | 18.83                 | 24                 | 23.60         | Pass   |
| 116           | 5580                     | 18.531                 | 21.26                 | 24                 | 23.68         | Pass   |
| 140           | 5700                     | 18.182                 | 18.78                 | 24                 | 23.60         | Pass   |
| 144(U-NII-2C) | 5720                     | 14.140                 | 19.76                 | 24                 | 22.50         | Pass   |
| 144(U-NII-3)  | 5720                     | --                     | 12.80                 | 30                 | --            | Pass   |
| 149           | 5745                     | --                     | 21.15                 | 30                 | --            | Pass   |
| 157           | 5785                     | --                     | 21.04                 | 30                 | --            | Pass   |
| 165           | 5825                     | --                     | 20.94                 | 30                 | --            | Pass   |

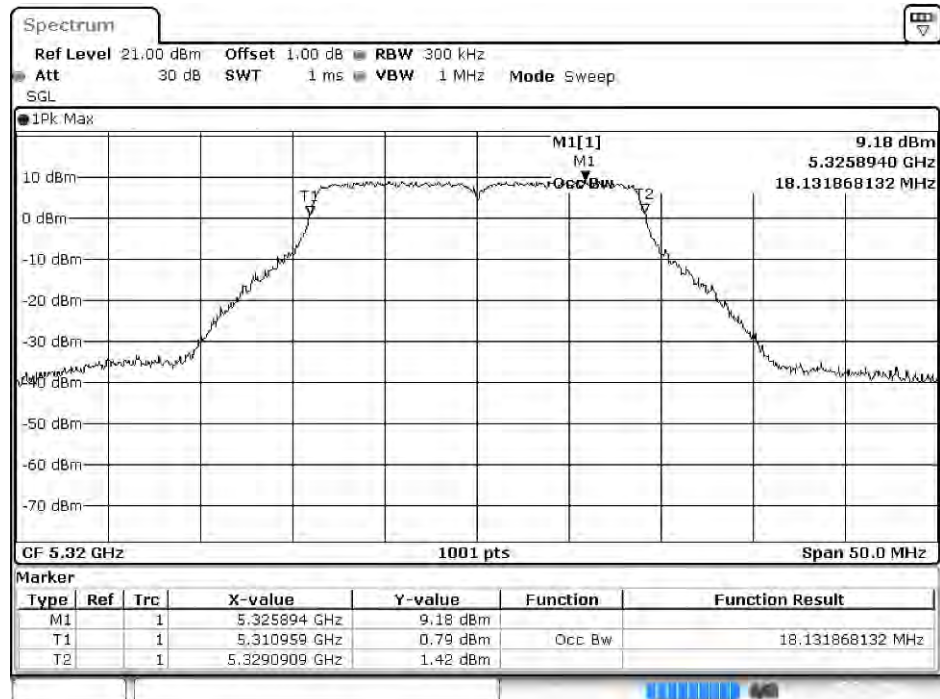
**99% Occupied Bandwidth:****Channel 52**

Date: 16.AUG.2019 10:39:29

**Channel 60**

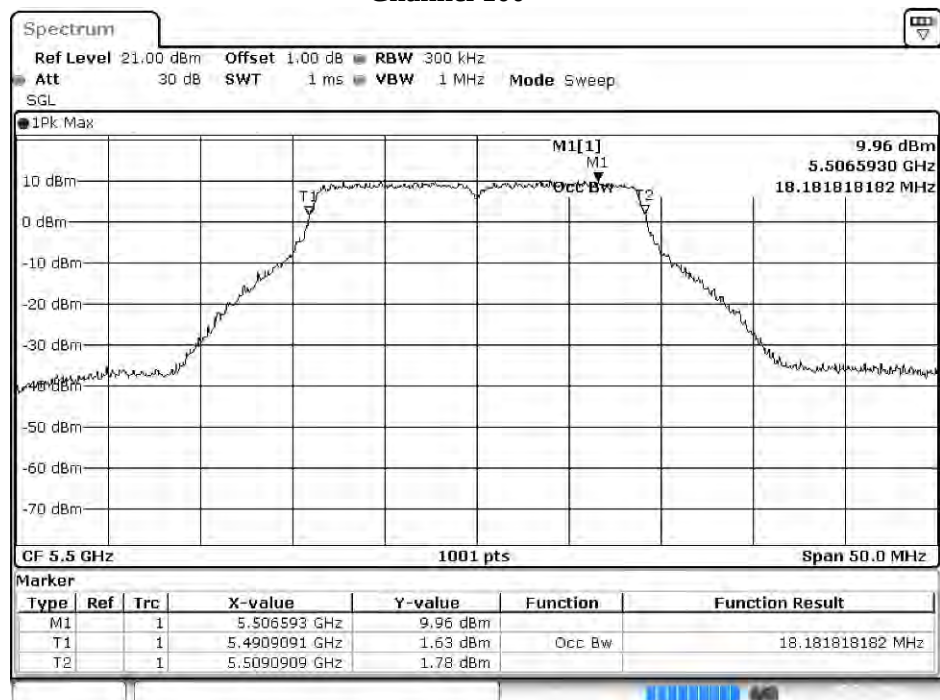
Date: 16.AUG.2019 10:41:53

## Channel 64



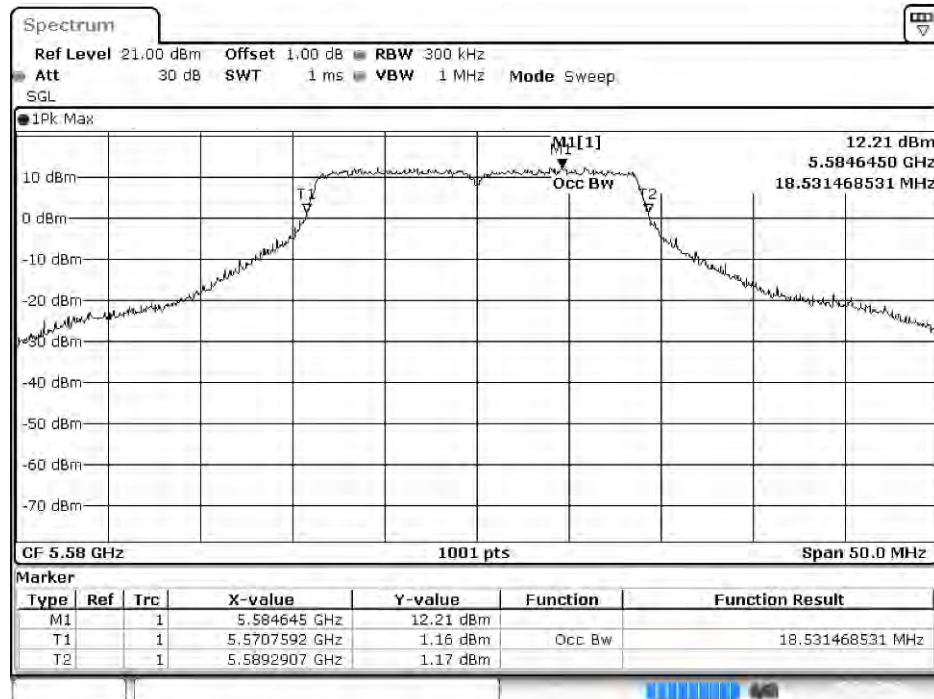
Date: 16.AUG.2019 10:42:37

## Channel 100



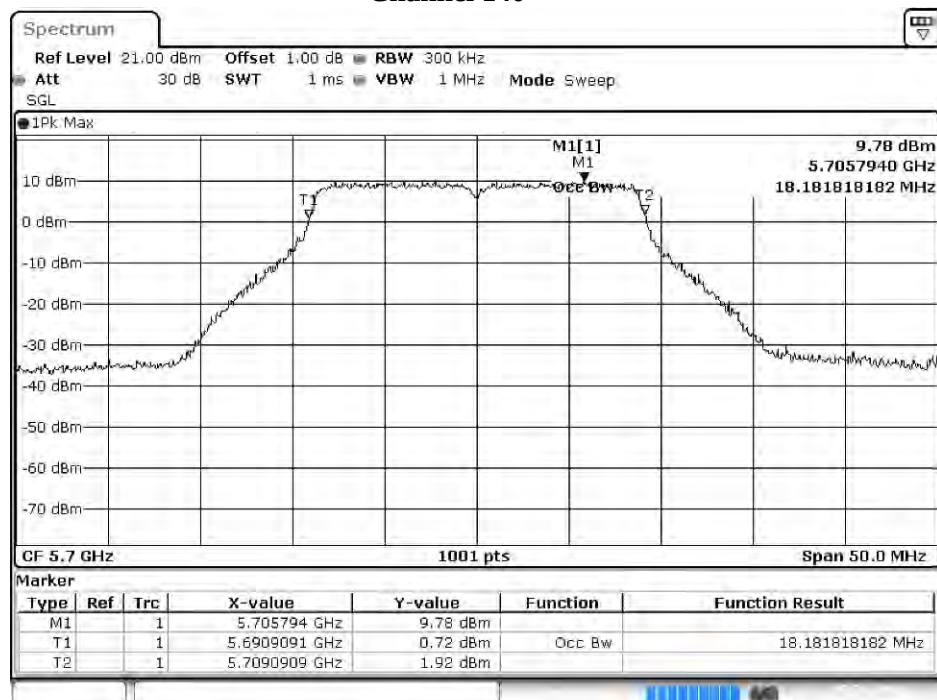
Date: 16.AUG.2019 10:43:16

## Channel 116



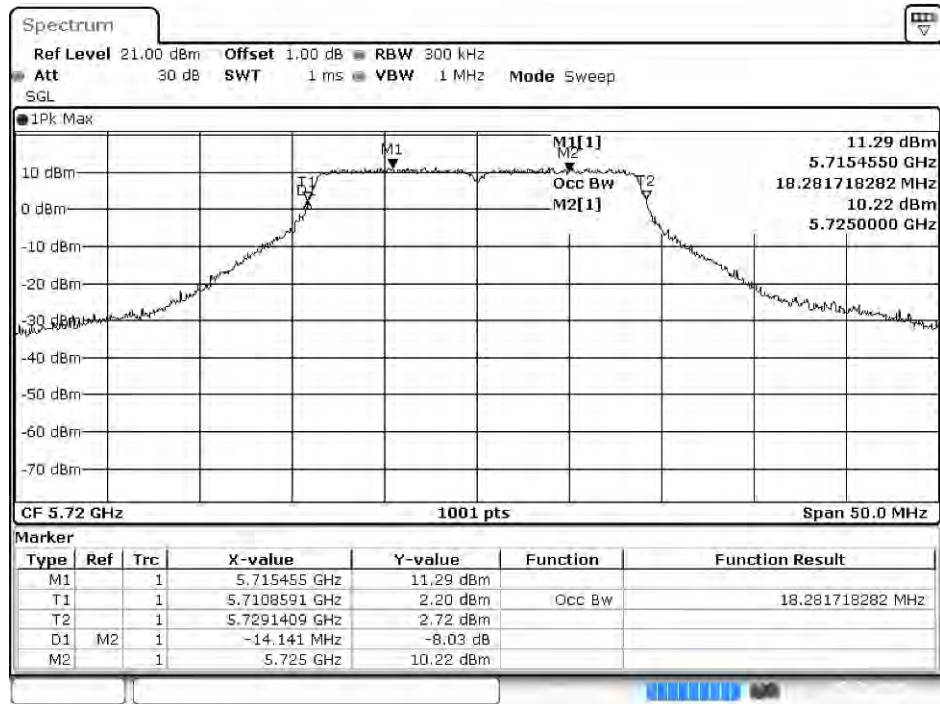
Date: 16.AUG.2019 10:47:03

## Channel 140

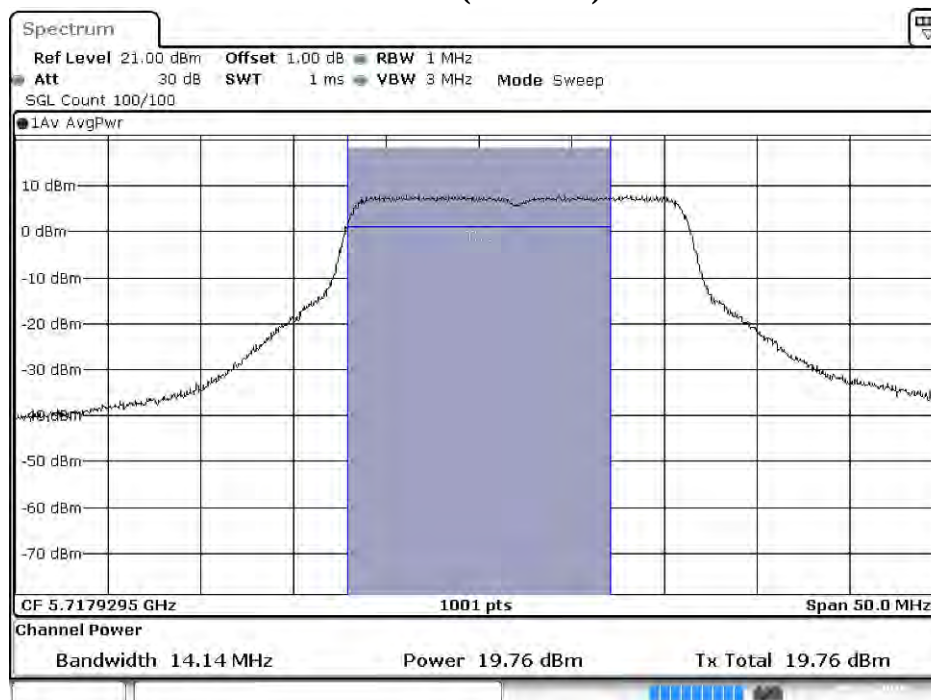


Date: 16.AUG.2019 10:52:07

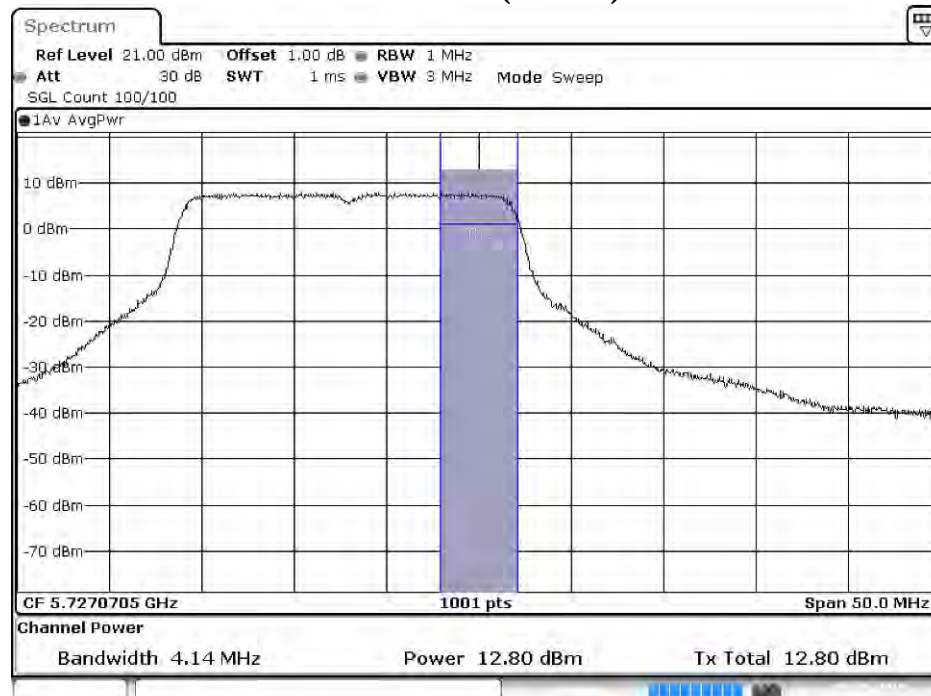
## Channel 144



Date: 16.AUG.2019 10:18:47

**Maximum conducted output power:****Channel 144 (U-NII-2C)**

Date: 16.AUG.2019 10:19:09

**Maximum conducted output power:****Channel 144 (U-NII-3)**

Date: 16.AUG.2019 10:19:31

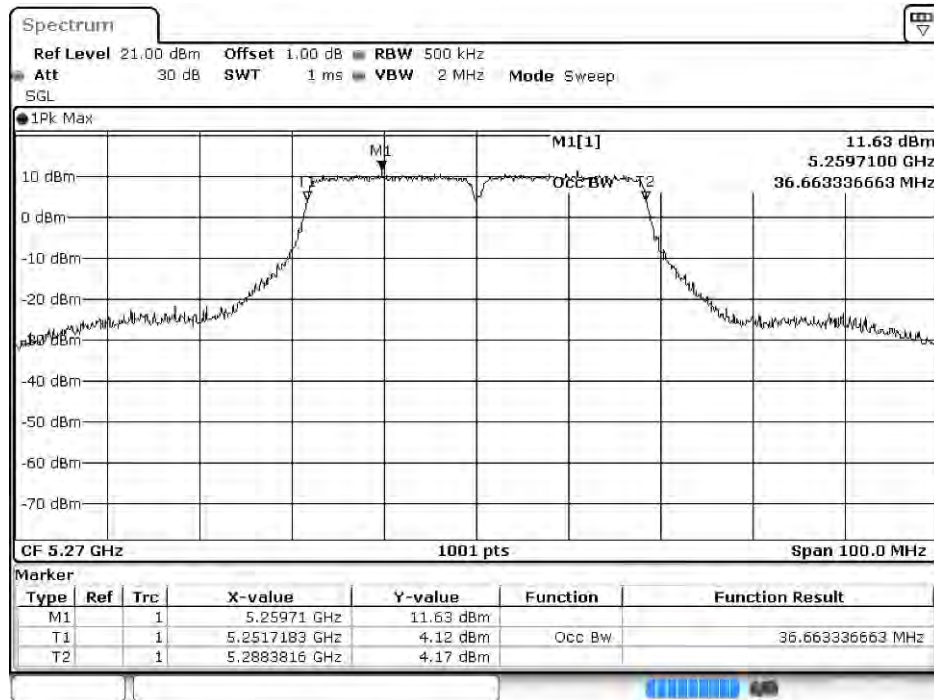
Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 3 SISO A: Transmit (802.11n-40BW\_15Mbps)

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 15                             | 30    | 45    | 60    | 90    | 120   | 135   | 150   |
|                  |                 | Measurement Level (dBm)        |       |       |       |       |       |       |       |
| 38               | 5190            | 18.48                          | --    | --    | --    | --    | --    | --    | --    |
| 46               | 5230            | 21.04                          | 21.01 | 20.98 | 20.92 | 20.87 | 20.83 | 20.79 | 20.72 |
| 54               | 5270            | 20.56                          | --    | --    | --    | --    | --    | --    | --    |
| 62               | 5310            | 17.43                          | 17.37 | 17.33 | 17.28 | 17.23 | 17.16 | 17.13 | 17.06 |
| 102              | 5510            | 18.23                          | --    | --    | --    | --    | --    | --    | --    |
| 110              | 5550            | 21.24                          | 21.19 | 21.14 | 21.11 | 21.07 | 21.03 | 20.96 | 20.91 |
| 134              | 5670            | 19.33                          | --    | --    | --    | --    | --    | --    | --    |
| 142(U-NII-2C)    | 5710            | 20.31                          | 20.24 | 20.17 | 20.11 | 20.07 | 20.00 | 19.95 | 19.88 |
| 142(U-NII-3)     | 5710            | 9.00                           | 8.94  | 8.88  | 8.83  | 8.78  | 8.73  | 8.67  | 8.61  |
| 151              | 5755            | 21.13                          | --    | --    | --    | --    | --    | --    | --    |
| 159              | 5795            | 20.97                          | 20.91 | 20.84 | 20.78 | 20.74 | 20.69 | 20.66 | 20.60 |

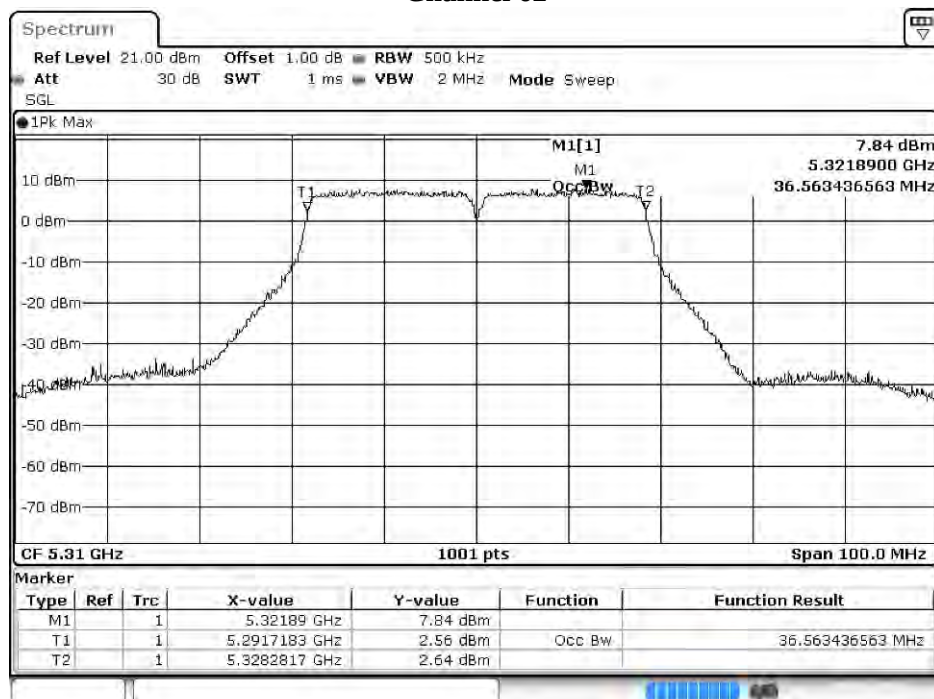
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

| Channel No    | Frequency Range<br>(MHz) | 99% Bandwidth<br>(MHz) | Output Power<br>(dBm) | Output Power Limit |               | Result |
|---------------|--------------------------|------------------------|-----------------------|--------------------|---------------|--------|
|               |                          |                        |                       | (dBm)              | dBm+10log(BW) |        |
| 38            | 5190                     | --                     | 18.48                 | 24                 | --            | Pass   |
| 46            | 5230                     | --                     | 21.04                 | 24                 | --            | Pass   |
| 54            | 5270                     | 36.663                 | 20.56                 | 24                 | 26.64         | Pass   |
| 62            | 5310                     | 36.563                 | 17.43                 | 24                 | 26.63         | Pass   |
| 102           | 5510                     | 36.663                 | 18.23                 | 24                 | 26.64         | Pass   |
| 110           | 5550                     | 37.063                 | 21.24                 | 24                 | 26.69         | Pass   |
| 134           | 5670                     | 36.663                 | 19.33                 | 24                 | 26.64         | Pass   |
| 142(U-NII-2C) | 5710                     | 33.380                 | 20.31                 | 24                 | 26.23         | Pass   |
| 142(U-NII-3)  | 5710                     | --                     | 9.00                  | 30                 | --            | Pass   |
| 151           | 5755                     | --                     | 21.13                 | 30                 | --            | Pass   |
| 159           | 5795                     | --                     | 20.97                 | 30                 | --            | Pass   |

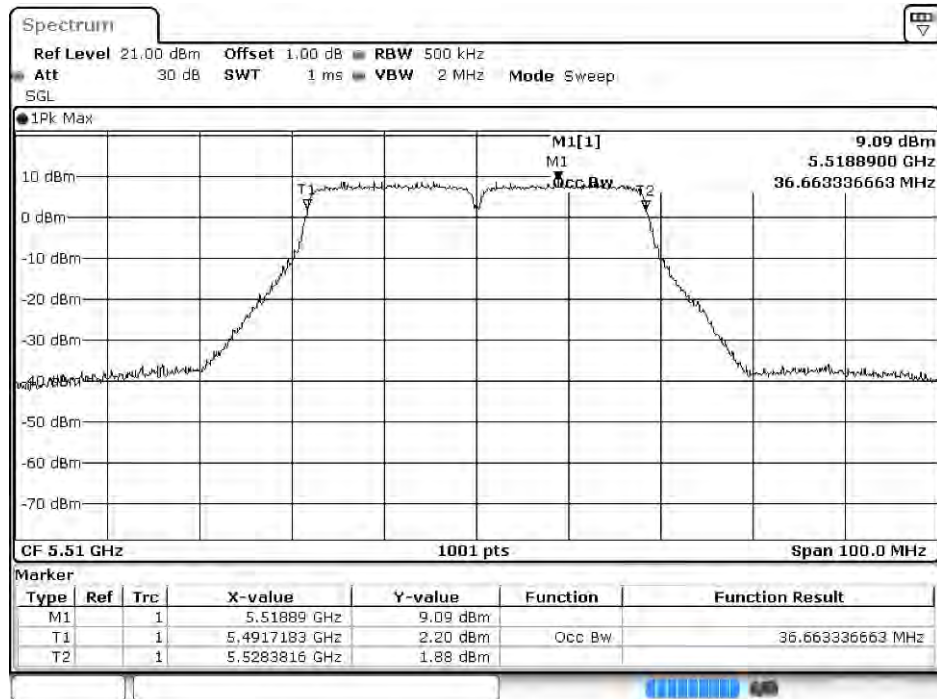
**99% Occupied Bandwidth:****Channel 54**

Date: 16.AUG.2019 10:56:34

**Channel 62**

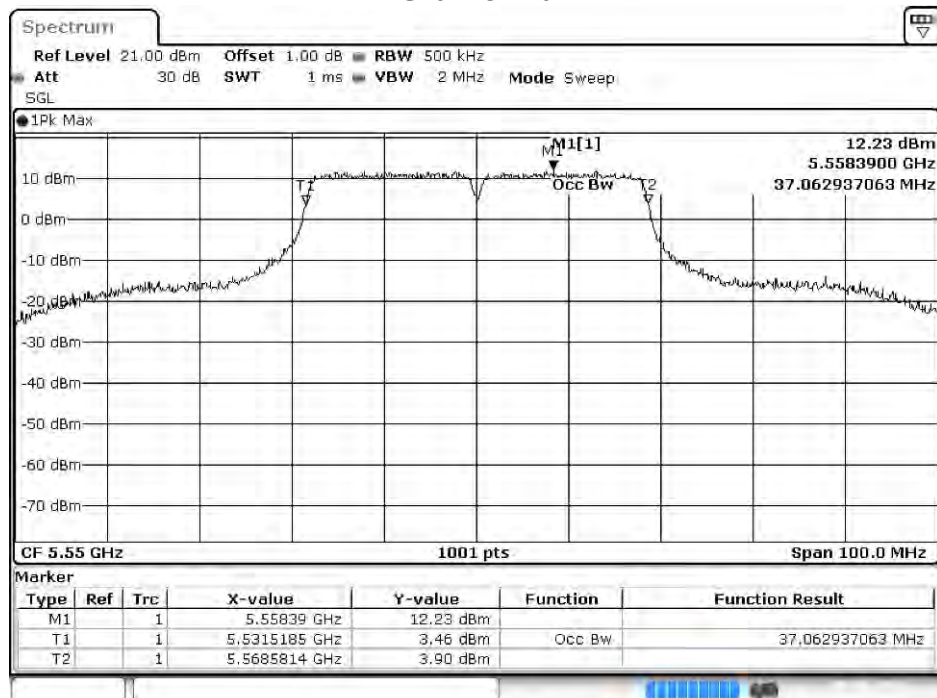
Date: 16.AUG.2019 10:57:16

## Channel 102



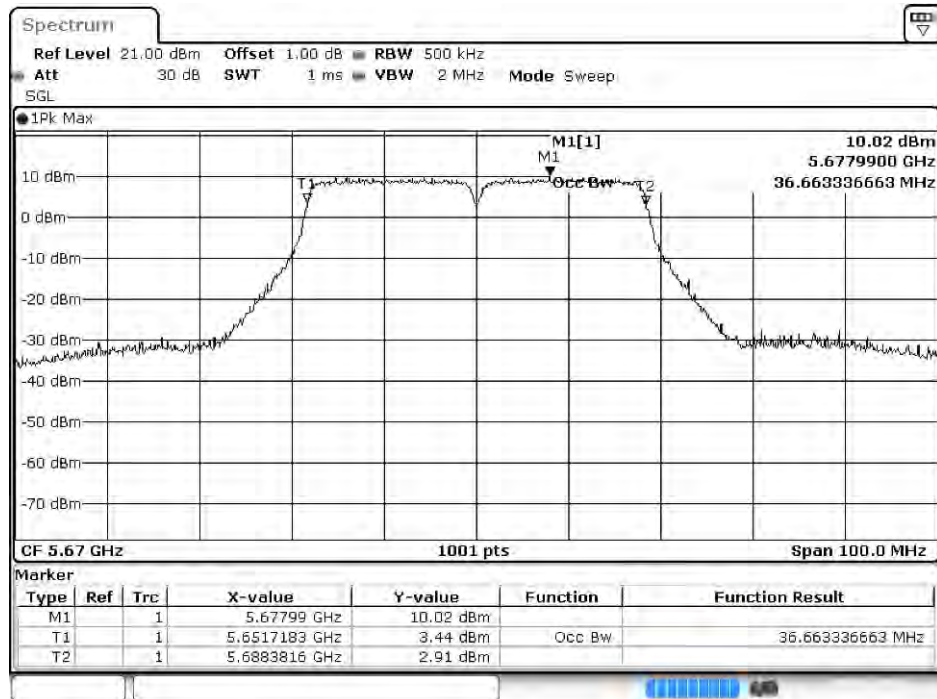
Date: 16.AUG.2019 10:58:12

## Channel 110



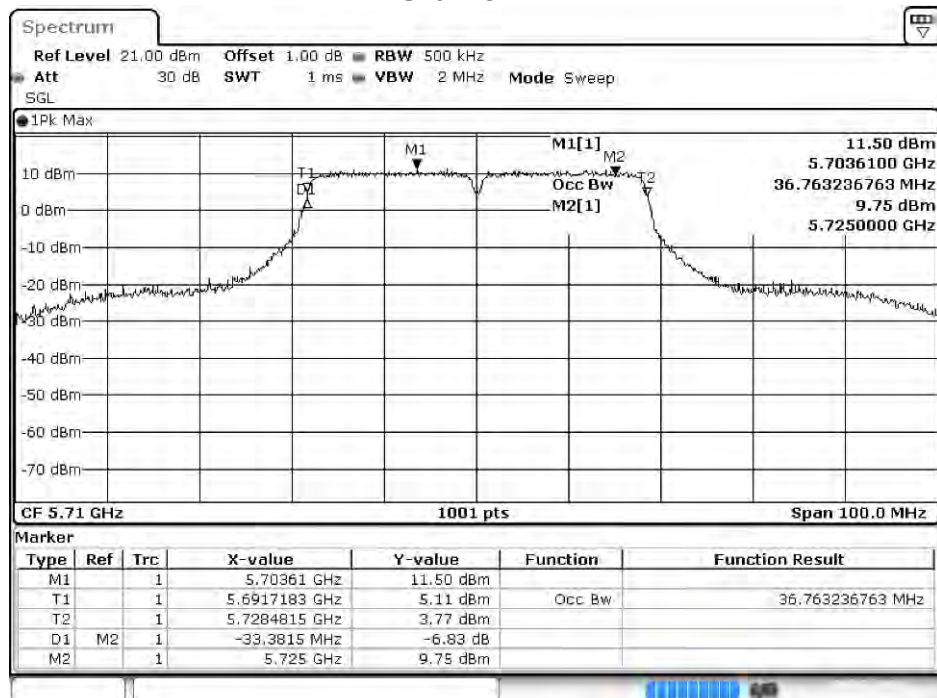
Date: 16.AUG.2019 11:00:16

## Channel 134



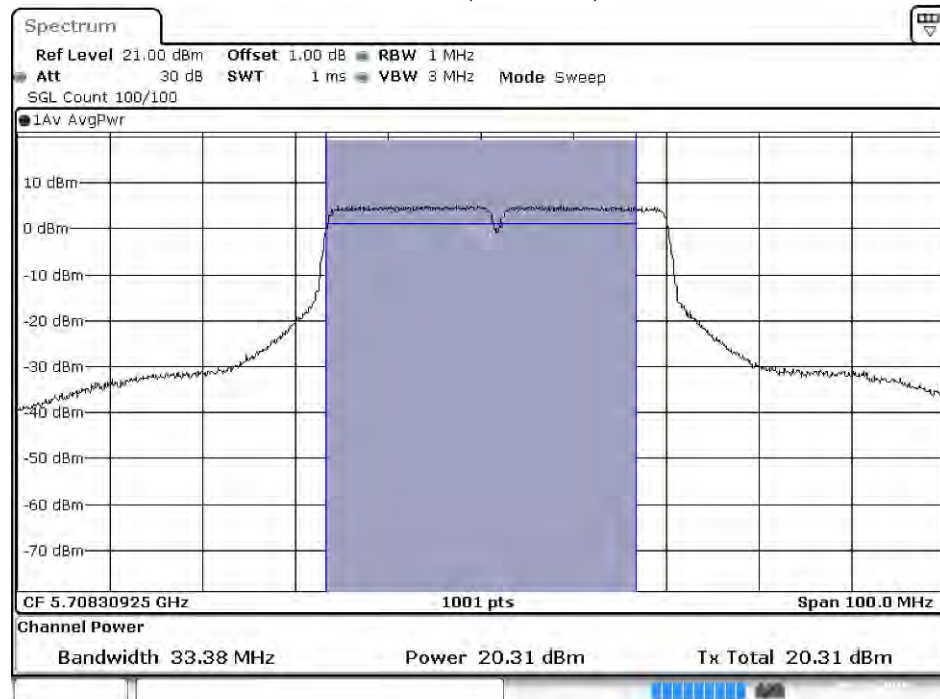
Date: 16.AUG.2019 11:04:12

## Channel 142



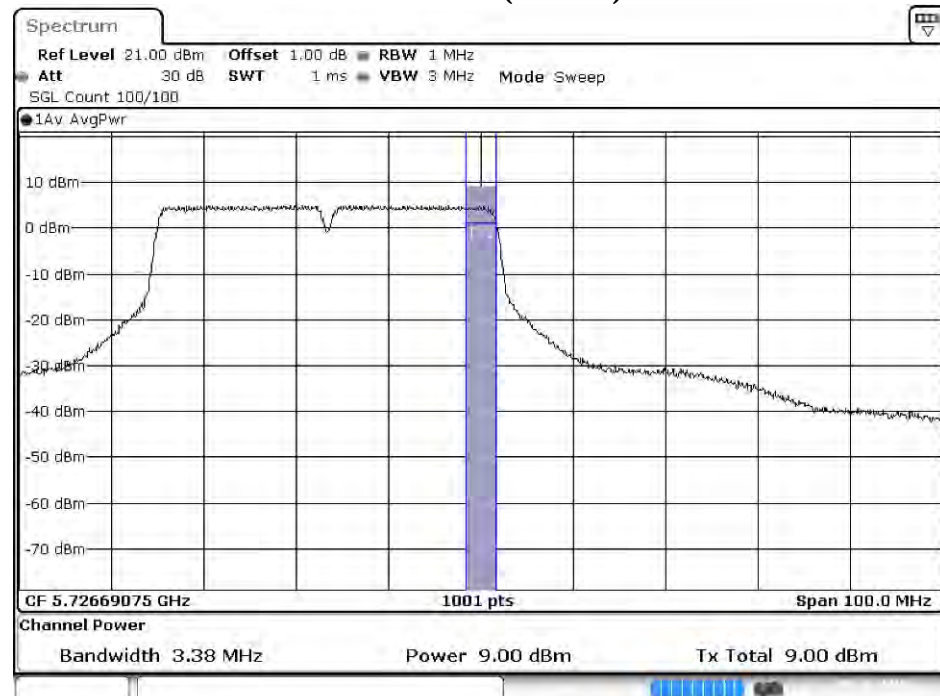
Date: 16.AUG.2019 10:21:23

**Maximum conducted output power:**  
**Channel 142 (U-NII-2C)**



Date: 16.AUG.2019 10:21:45

**Maximum conducted output power:**  
**Channel 142 (U-NII-3)**



Date: 16.AUG.2019 10:22:08

Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 4 SISO A: Transmit (802.11ac-80BW\_32.5Mbps)

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No       | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |       |       |
|                  |                 | 32.5                           | 65    | 97.5  | 130   | 195   | 260   | 292.5 | 325   | 390   | 433.3 |
| 42               | 5210            | 18.48                          | 18.45 | 18.38 | 18.32 | 18.26 | 18.20 | 18.17 | 18.12 | 18.05 | 18.02 |
| 58               | 5290            | 17.64                          | 17.59 | 17.56 | 17.52 | 17.46 | 17.43 | 17.36 | 17.29 | 17.25 | 17.20 |
| 106              | 5530            | 18.69                          | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 122              | 5610            | 19.77                          | 19.74 | 19.70 | 19.65 | 19.60 | 19.55 | 19.50 | 19.46 | 19.41 | 19.38 |
| 138 (U-NII-2C)   | 5690            | 20.55                          | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 138 (U-NII-3)    | 5690            | 6.34                           | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 155              | 5775            | 18.69                          | 18.64 | 18.57 | 18.53 | 18.49 | 18.43 | 18.39 | 18.34 | 18.29 | 18.23 |

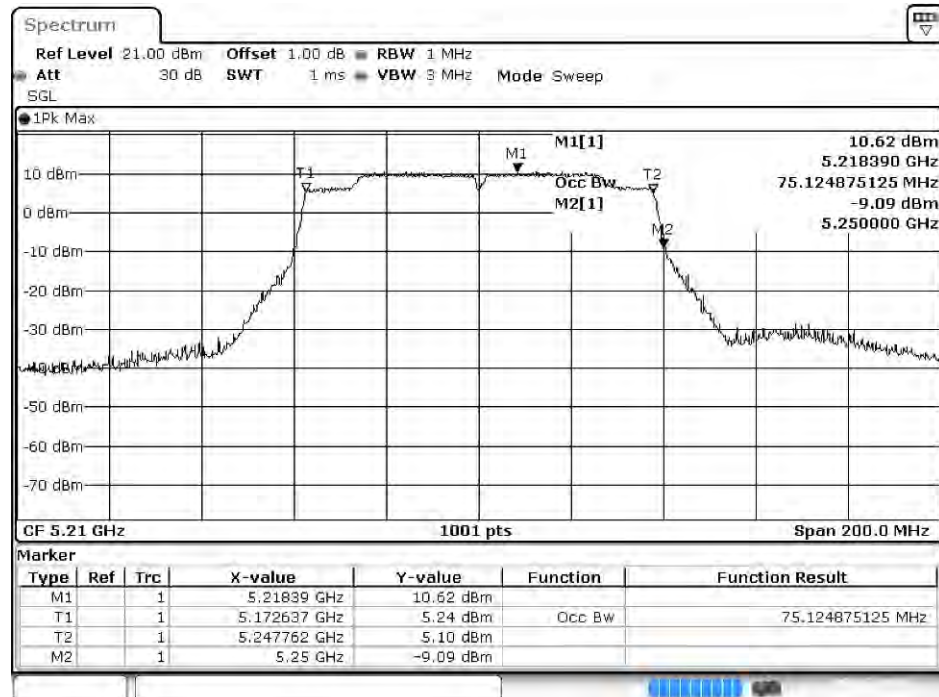
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

#### Maximum conducted output power Measurement:

| Channel No     | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Output Power Limit |               | Result |
|----------------|-----------------------|---------------------|--------------------|--------------------|---------------|--------|
|                |                       |                     |                    | (dBm)              | dBm+10log(BW) |        |
| 42             | 5210                  | --                  | 18.48              | 24                 | --            | Pass   |
| 58             | 5290                  | 74.920              | 17.64              | 24                 | 29.75         | Pass   |
| 106            | 5530                  | 75.330              | 18.69              | 24                 | 29.77         | Pass   |
| 122            | 5610                  | 75.920              | 19.77              | 24                 | 29.80         | Pass   |
| 138 (U-NII-2C) | 5690                  | 82.550              | 20.55              | 24                 | 30.17         | Pass   |
| 138 (U-NII-3)  | 5690                  | --                  | 6.34               | 30                 | --            | Pass   |
| 155            | 5775                  | --                  | 18.69              | 30                 | --            | Pass   |

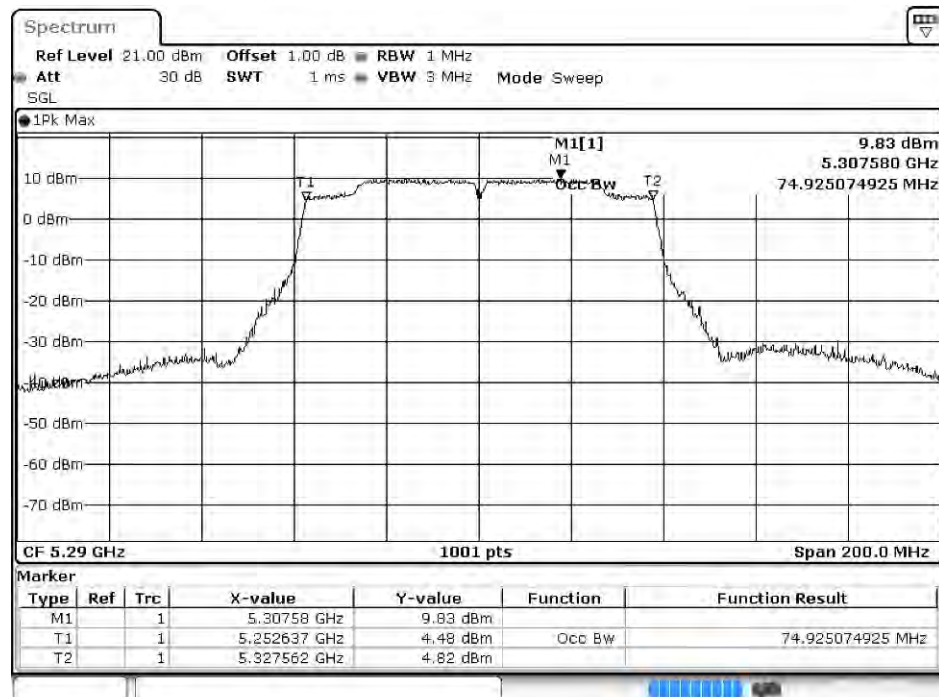
## 99% Occupied Bandwidth:

## Channel 42



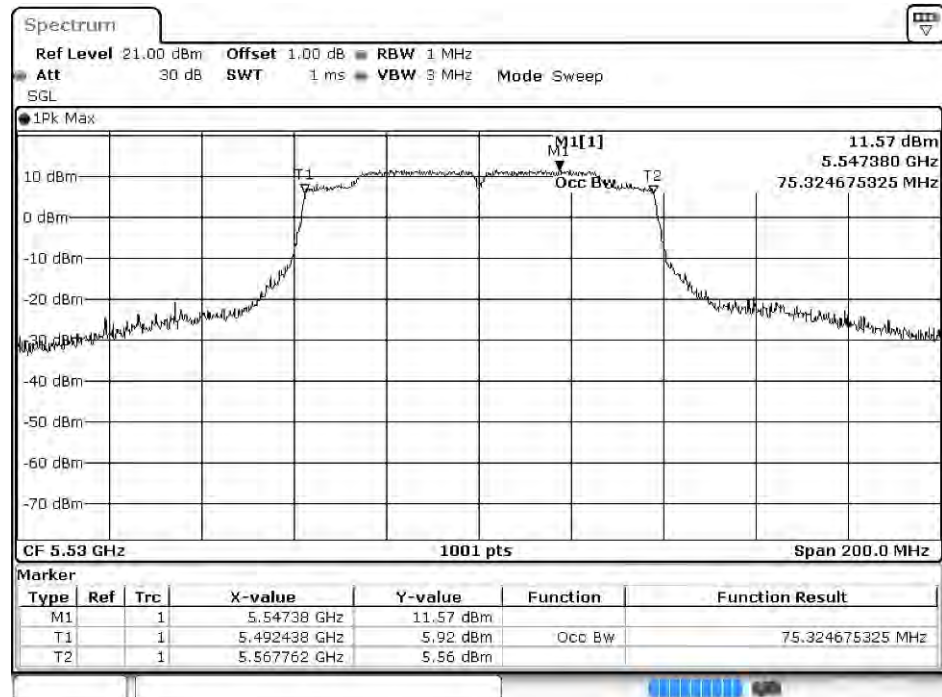
Date: 16.AUG.2019 10:23:26

## Channel 58



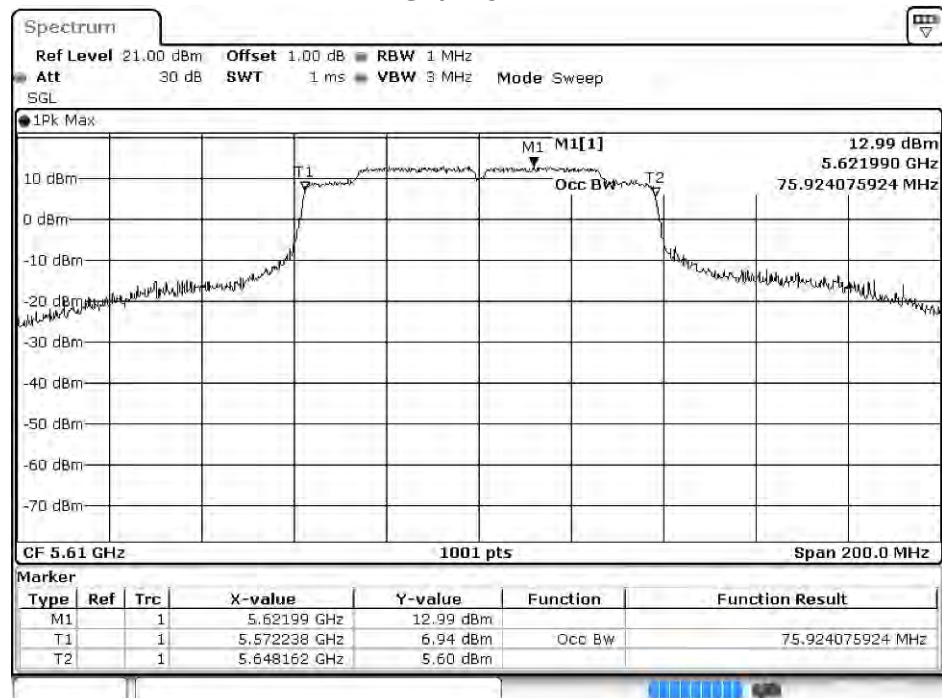
Date: 16.AUG.2019 10:24:25

## Channel 106



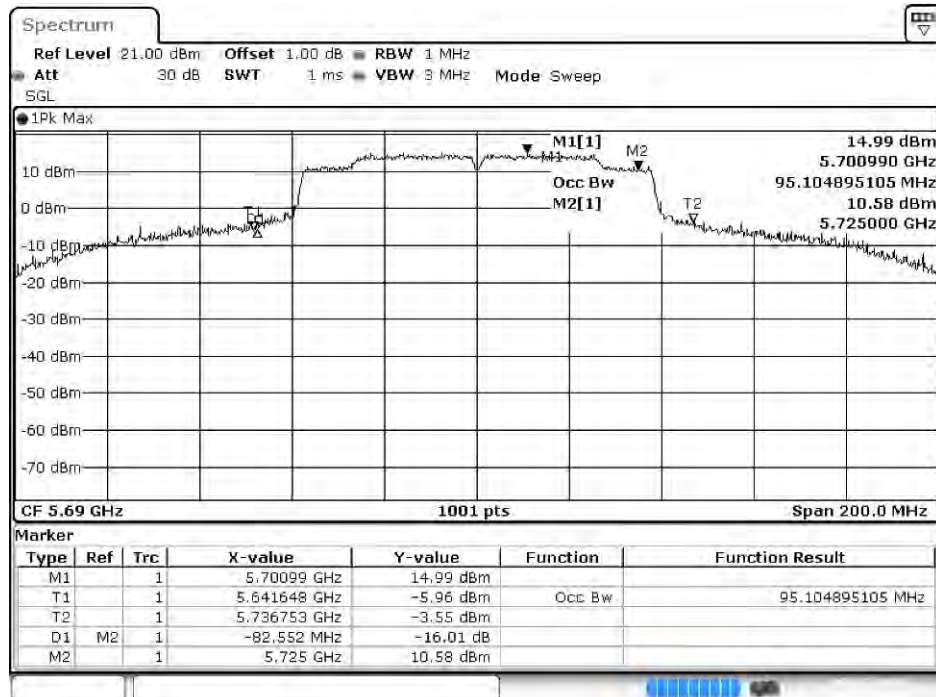
Date: 16.AUG.2019 10:25:45

## Channel 122



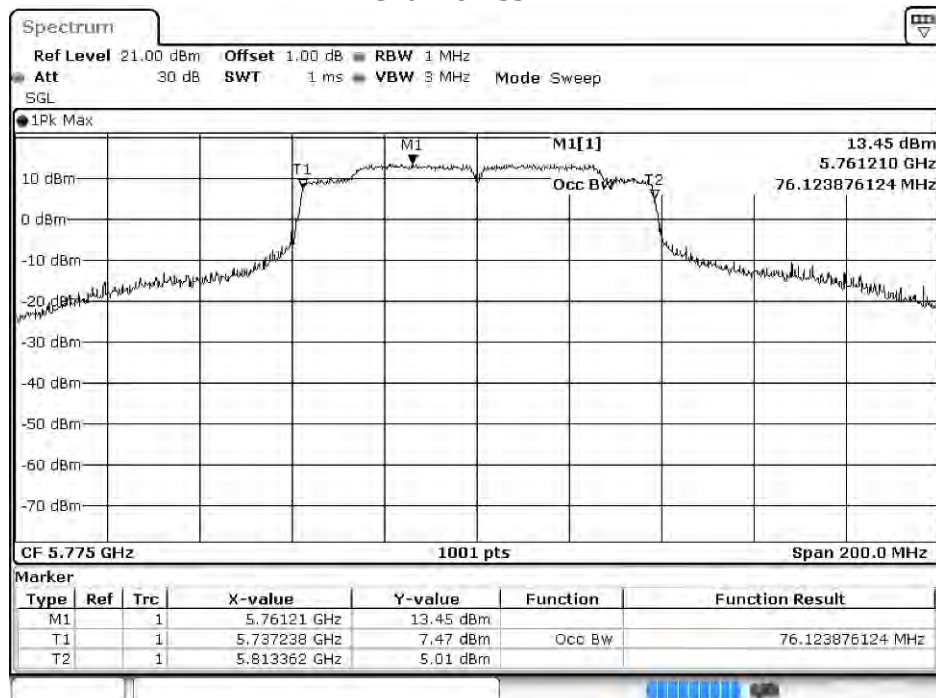
Date: 16.AUG.2019 10:27:09

## Channel 138

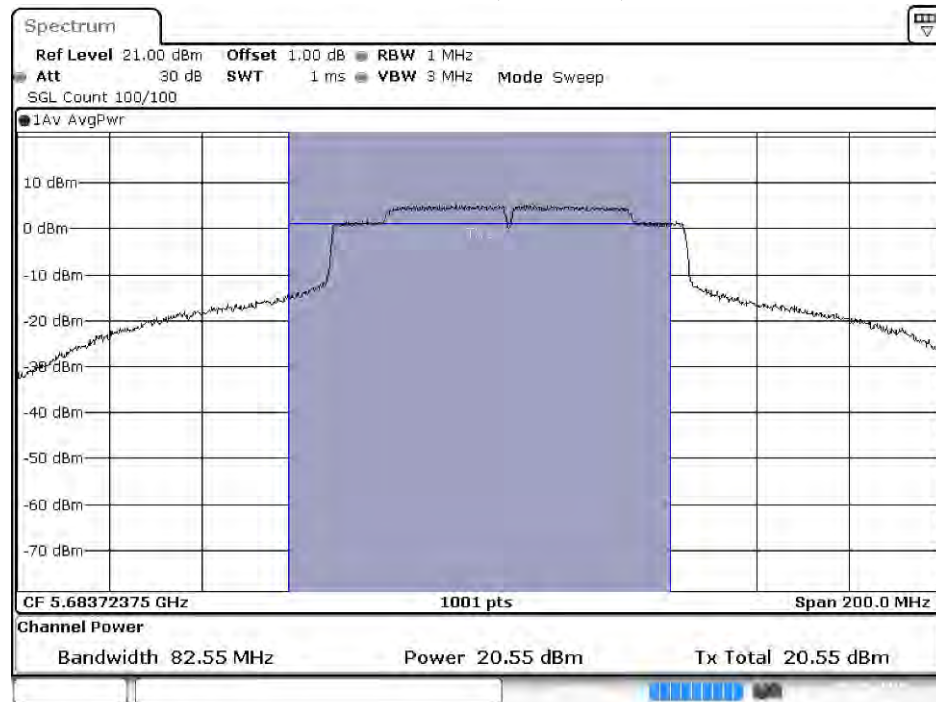


Date: 16.AUG.2019 10:29:28

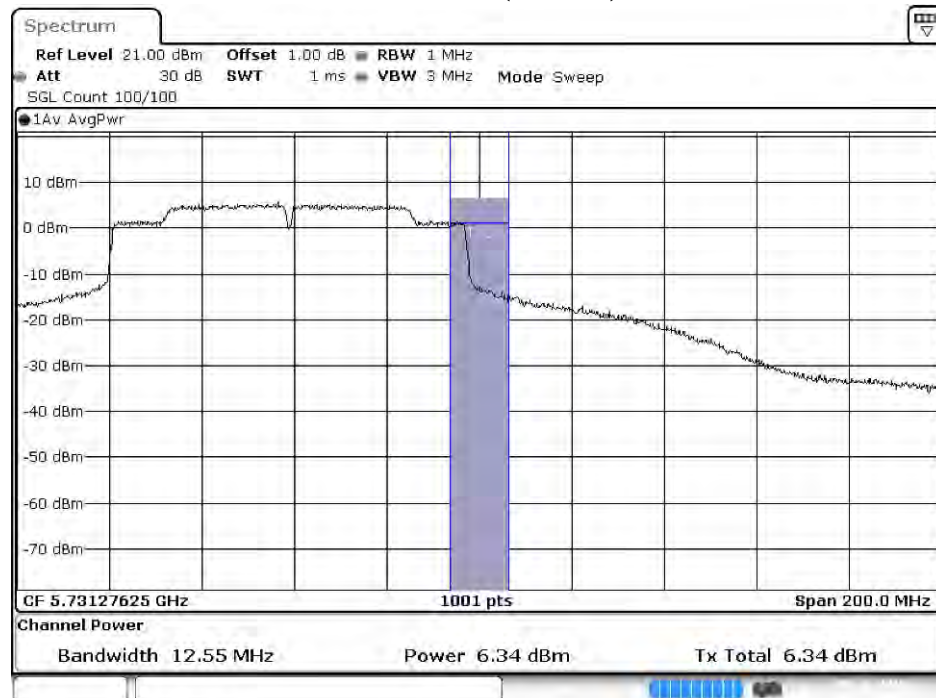
## Channel 155



Date: 16.AUG.2019 11:08:28

**Maximum conducted output power:****Channel 138 (U-NII-2C)**

Date: 16.AUG.2019 10:29:51

**Maximum conducted output power:****Channel 138 (U-NII-3)**

Date: 16.AUG.2019 10:30:13

Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 5 SISO A: Transmit (802.11ac-160BW\_65Mbps)

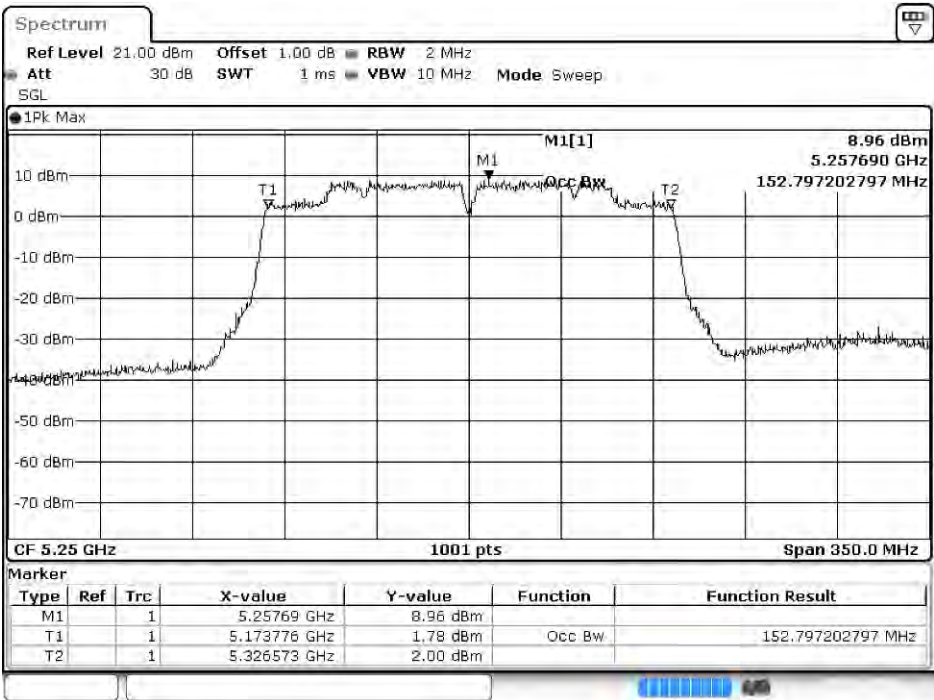
| Cable loss=1.0dB |                    | Maximum conducted output power |       |       |       |       |       |       |       |       |       |
|------------------|--------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No       | Frequency<br>(MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |       |       |
|                  |                    | 65                             | 130   | 195   | 260   | 390   | 520   | 585   | 650   | 780   | 866.7 |
| 50 (U-NII-1)     | 5250               | 11.68                          | 11.63 | 11.58 | 11.52 | 11.46 | 11.40 | 11.35 | 11.31 | 11.28 | 11.21 |
| 50 (U-NII-2A)    | 5250               | 11.99                          | 11.96 | 11.89 | 11.85 | 11.82 | 11.75 | 11.69 | 11.63 | 11.59 | 11.55 |
| 114              | 5570               | 14.38                          | 14.32 | 14.25 | 14.19 | 14.16 | 14.10 | 14.05 | 14.01 | 13.94 | 13.87 |

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

#### Maximum conducted output power Measurement:

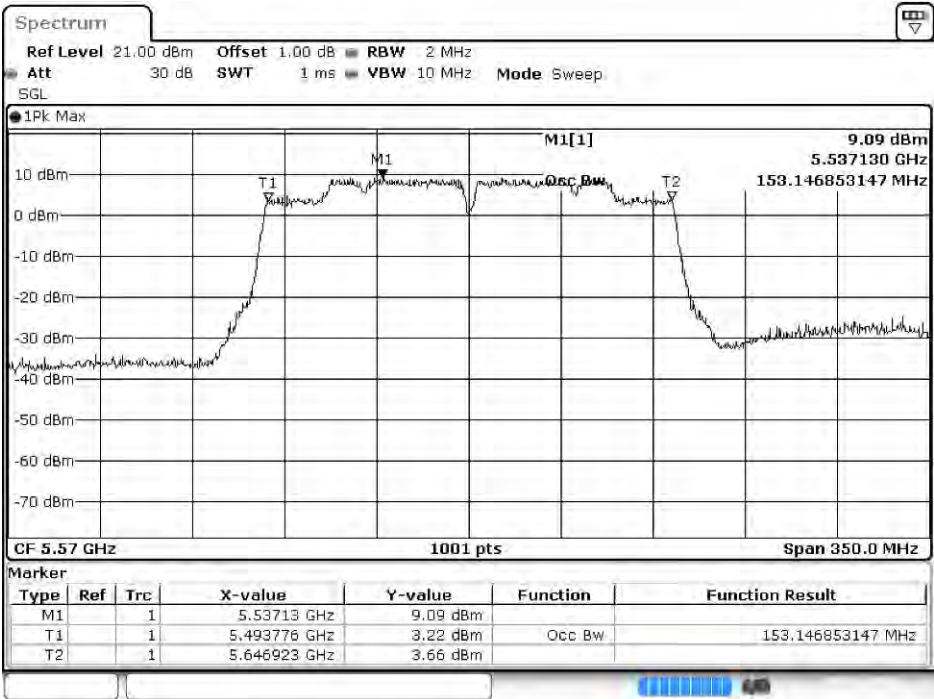
| Channel No    | Frequency<br>Range<br>(MHz) | 99%<br>Bandwidth<br>(MHz) | Output<br>Power<br>(dBm) | Output Power Limit |               | Result |
|---------------|-----------------------------|---------------------------|--------------------------|--------------------|---------------|--------|
|               |                             |                           |                          | (dBm)              | dBm+10log(BW) |        |
| 50 (U-NII-1)  | 5250                        | --                        | 11.68                    | 24                 | --            | Pass   |
| 50 (U-NII-2A) | 5250                        | 76.400                    | 11.99                    | 24                 | 29.83         | Pass   |
| 114           | 5570                        | 153.150                   | 14.38                    | 24                 | 32.85         | Pass   |

99% Occupied Bandwidth:  
Channel 50

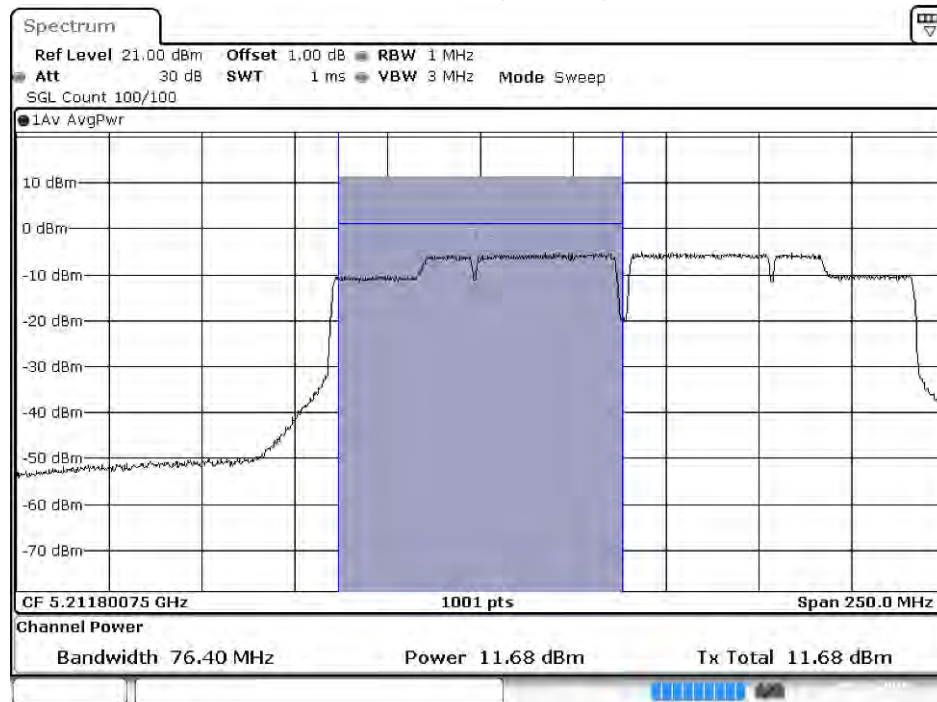


Date: 16.AUG.2019 10:02:51

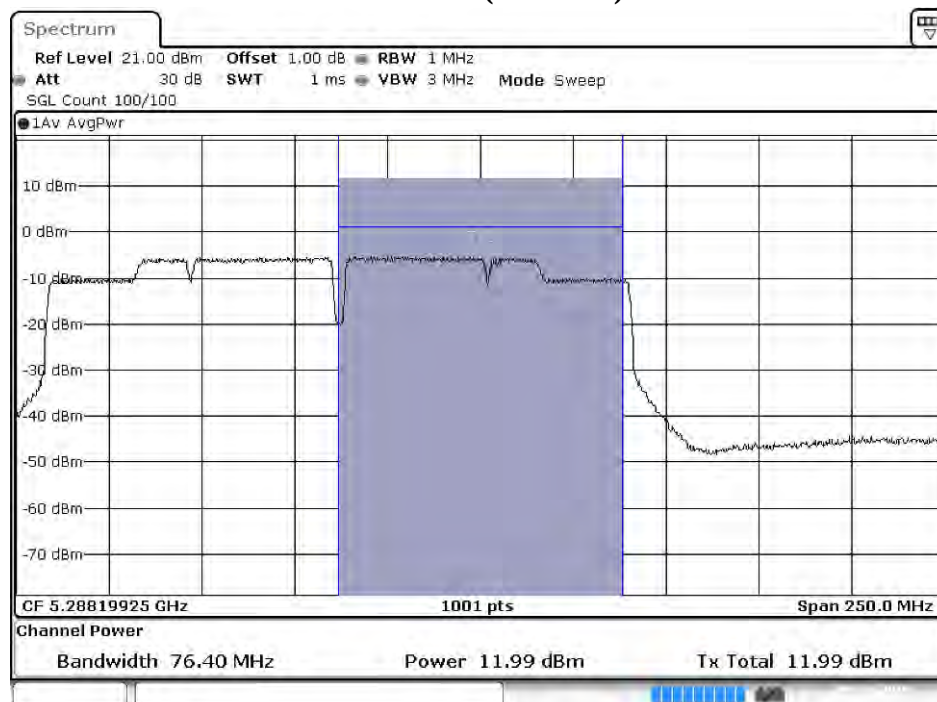
Channel 114



Date: 16.AUG.2019 10:11:04

**Maximum conducted output power:****Channel 50 (U-NII-1)**

Date: 16.AUG.2019 10:03:14

**Maximum conducted output power:****Channel 50 (U-NII-2A)**

Date: 16.AUG.2019 10:03:36

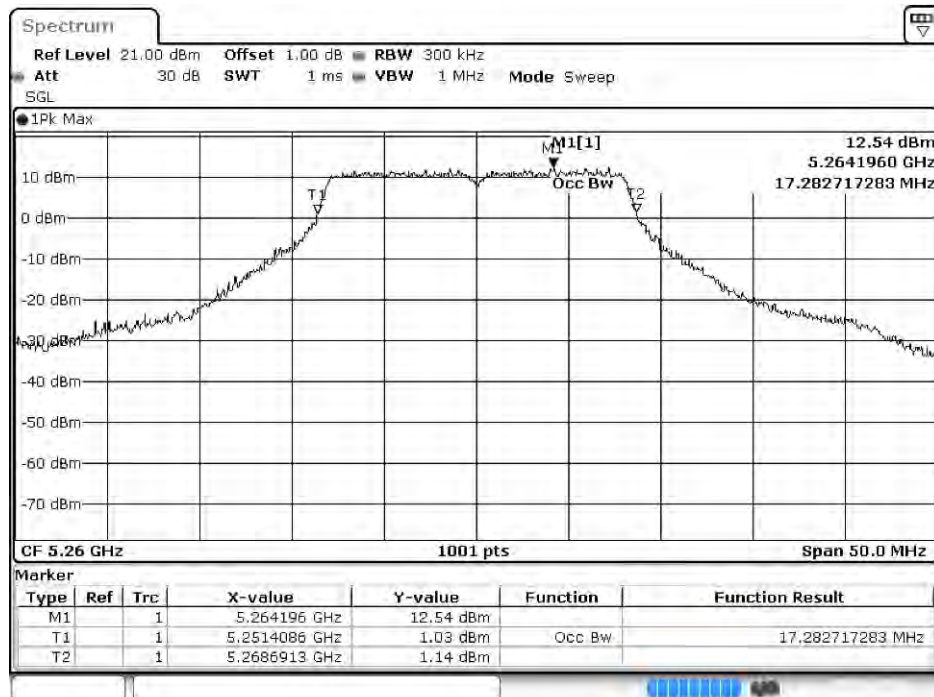
Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 10 SISO B: Transmit (802.11a\_6Mbps)

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 6                              | 9     | 12    | 18    | 24    | 36    | 48    | 54    |
|                  |                 | Measurement Level (dBm)        |       |       |       |       |       |       |       |
| 36               | 5180            | 19.10                          | --    | --    | --    | --    | --    | --    | --    |
| 44               | 5220            | 19.81                          | 19.77 | 19.73 | 19.69 | 19.65 | 19.60 | 19.55 | 19.49 |
| 48               | 5240            | 21.51                          | --    | --    | --    | --    | --    | --    | --    |
| 52               | 5260            | 21.22                          | --    | --    | --    | --    | --    | --    | --    |
| 60               | 5300            | 21.25                          | 21.20 | 21.13 | 21.08 | 21.02 | 20.98 | 20.92 | 20.87 |
| 64               | 5320            | 18.39                          | --    | --    | --    | --    | --    | --    | --    |
| 100              | 5500            | 19.21                          | --    | --    | --    | --    | --    | --    | --    |
| 116              | 5580            | 21.13                          | 21.10 | 21.05 | 20.98 | 20.95 | 20.88 | 20.81 | 20.75 |
| 140              | 5700            | 18.03                          | --    | --    | --    | --    | --    | --    | --    |
| 149              | 5745            | 21.24                          | --    | --    | --    | --    | --    | --    | --    |
| 157              | 5785            | 21.32                          | 21.28 | 21.24 | 21.17 | 21.12 | 21.08 | 21.01 | 20.94 |
| 165              | 5825            | 21.10                          | --    | --    | --    | --    | --    | --    | --    |

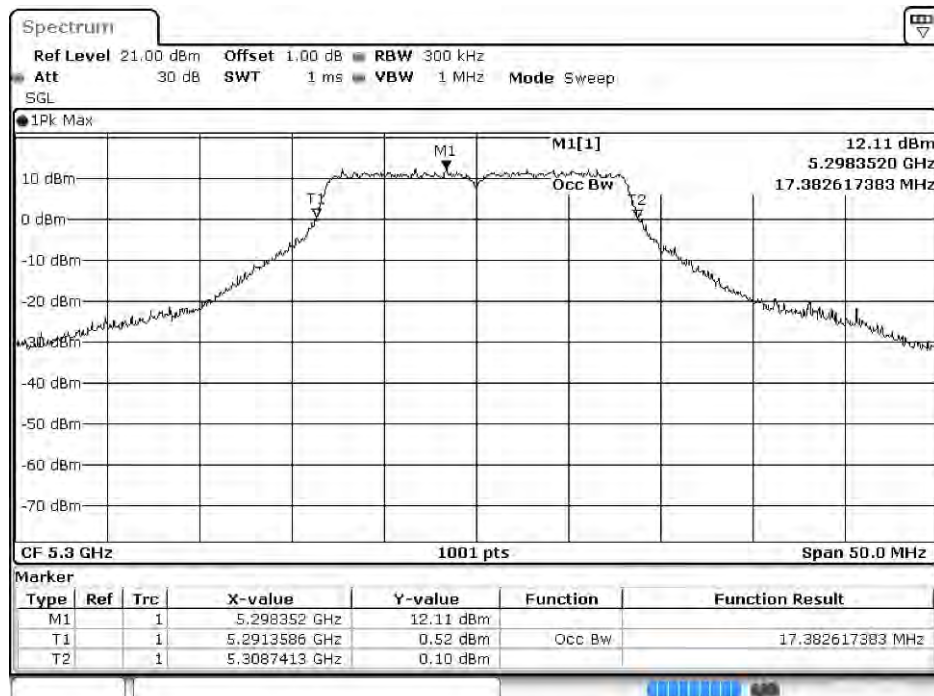
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

| Channel No | Frequency Range<br>(MHz) | 99% Bandwidth<br>(MHz) | Output Power<br>(dBm) | Output Power Limit |               | Result |
|------------|--------------------------|------------------------|-----------------------|--------------------|---------------|--------|
|            |                          |                        |                       | (dBm)              | dBm+10log(BW) |        |
| 36         | 5180                     | --                     | 19.10                 | 24                 | --            | Pass   |
| 44         | 5220                     | --                     | 19.81                 | 24                 | --            | Pass   |
| 48         | 5240                     | --                     | 21.51                 | 24                 | --            | Pass   |
| 52         | 5260                     | 17.283                 | 21.22                 | 24                 | 23.38         | Pass   |
| 60         | 5300                     | 17.383                 | 21.25                 | 24                 | 23.40         | Pass   |
| 64         | 5320                     | 17.133                 | 18.39                 | 24                 | 23.34         | Pass   |
| 100        | 5500                     | 17.183                 | 19.21                 | 24                 | 23.35         | Pass   |
| 116        | 5580                     | 17.283                 | 21.13                 | 24                 | 23.38         | Pass   |
| 140        | 5700                     | 17.233                 | 18.03                 | 24                 | 23.36         | Pass   |
| 149        | 5745                     | --                     | 21.24                 | 30                 | --            | Pass   |
| 157        | 5785                     | --                     | 21.32                 | 30                 | --            | Pass   |
| 165        | 5825                     | --                     | 21.10                 | 30                 | --            | Pass   |

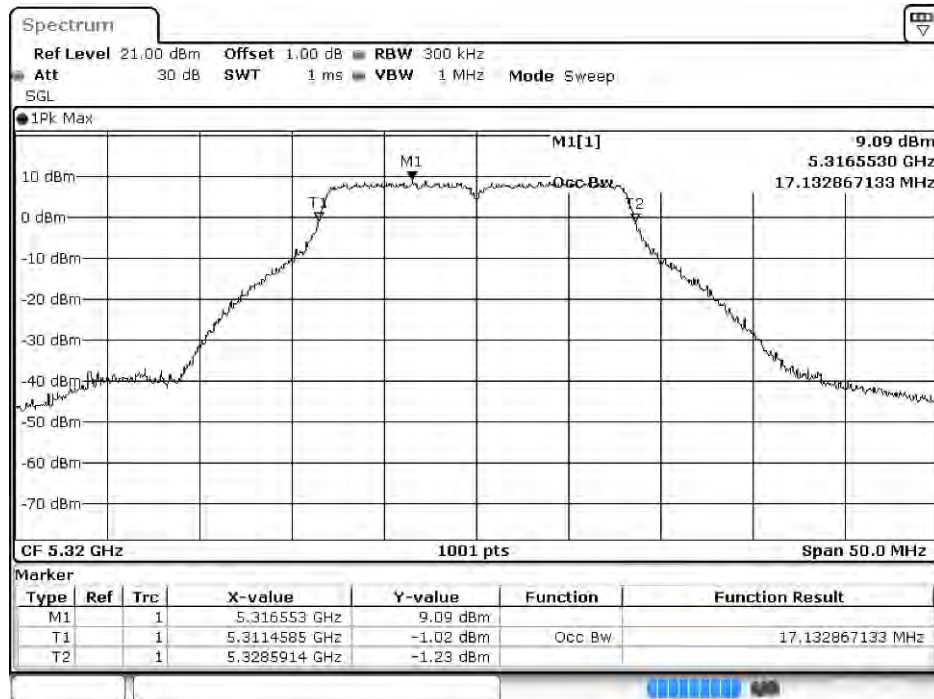
**99% Occupied Bandwidth:****Channel 52**

Date: 16.AUG.2019 14:36:52

**Channel 60**

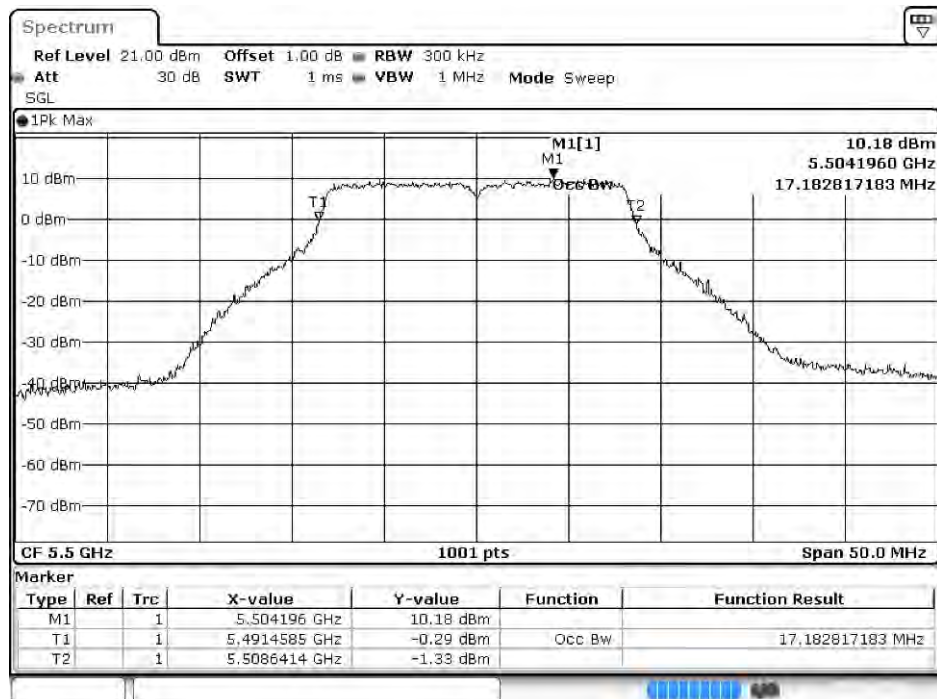
Date: 16.AUG.2019 14:39:02

## Channel 64



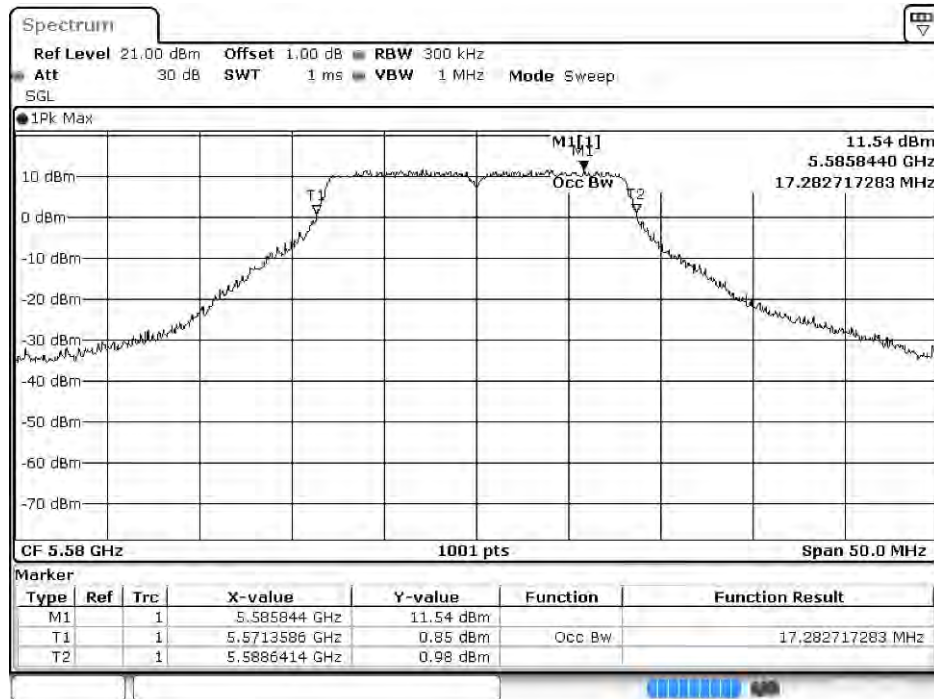
Date: 16.AUG.2019 14:40:16

## Channel 100



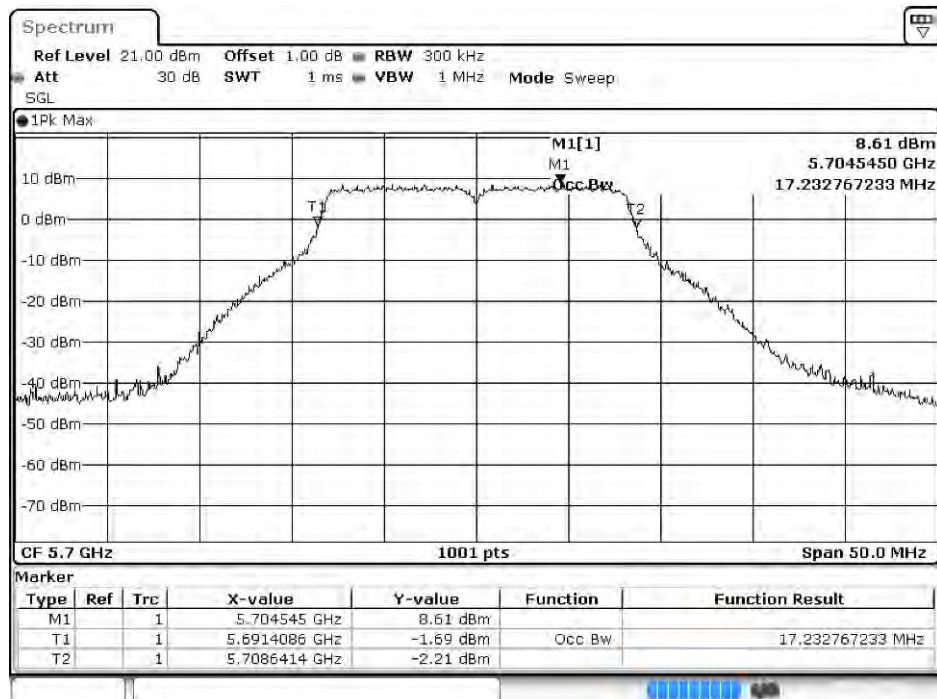
Date: 16.AUG.2019 14:42:47

## Channel 116



Date: 16.AUG.2019 14:43:43

## Channel 140



Date: 16.AUG.2019 14:52:05

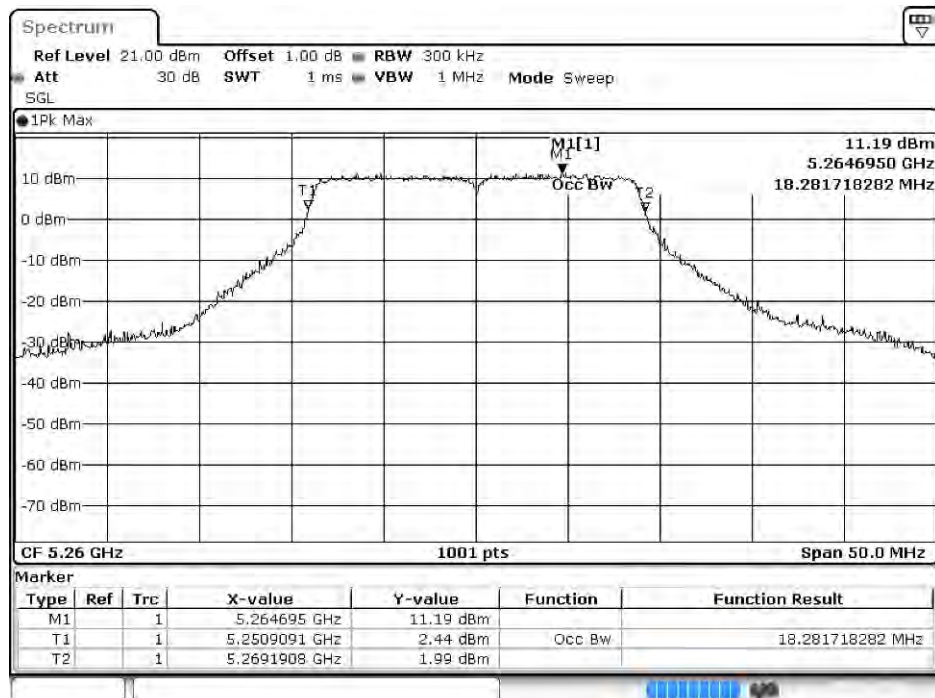
Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 11 SISO B: Transmit (802.11n-20BW\_7.2Mbps)

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 7.2                            | 14.4  | 21.7  | 28.9  | 43.3  | 57.8  | 65    | 72.2  |
|                  |                 | Measurement Level (dBm)        |       |       |       |       |       |       |       |
| 36               | 5180            | 18.76                          | --    | --    | --    | --    | --    | --    | --    |
| 44               | 5220            | 19.56                          | 19.52 | 19.48 | 19.44 | 19.41 | 19.35 | 19.29 | 19.23 |
| 48               | 5240            | 21.11                          | --    | --    | --    | --    | --    | --    | --    |
| 52               | 5260            | 21.04                          | --    | --    | --    | --    | --    | --    | --    |
| 60               | 5300            | 21.04                          | 20.98 | 20.95 | 20.90 | 20.85 | 20.82 | 20.77 | 20.72 |
| 64               | 5320            | 18.21                          | --    | --    | --    | --    | --    | --    | --    |
| 100              | 5500            | 18.74                          | --    | --    | --    | --    | --    | --    | --    |
| 116              | 5580            | 21.26                          | 21.21 | 21.17 | 21.14 | 21.08 | 21.01 | 20.98 | 20.93 |
| 140              | 5700            | 17.99                          | --    | --    | --    | --    | --    | --    | --    |
| 144(U-NII-2C)    | 5720            | 19.69                          | 19.64 | 19.59 | 19.55 | 19.50 | 19.46 | 19.40 | 19.35 |
| 144(U-NII-3)     | 5720            | 11.89                          | 11.84 | 11.78 | 11.73 | 11.69 | 11.63 | 11.60 | 11.54 |
| 149              | 5745            | 21.02                          | --    | --    | --    | --    | --    | --    | --    |
| 157              | 5785            | 21.09                          | 21.04 | 20.97 | 20.93 | 20.87 | 20.82 | 20.76 | 20.70 |
| 165              | 5825            | 21.04                          | --    | --    | --    | --    | --    | --    | --    |

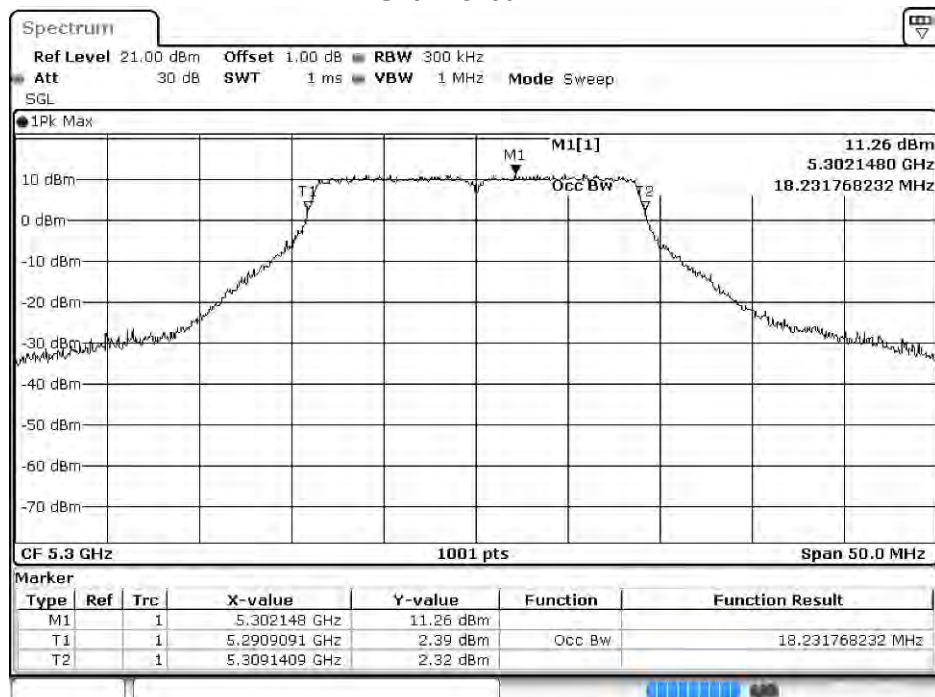
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

| Channel No    | Frequency Range<br>(MHz) | 99% Bandwidth<br>(MHz) | Output Power<br>(dBm) | Output Power Limit |                                  | Result |
|---------------|--------------------------|------------------------|-----------------------|--------------------|----------------------------------|--------|
|               |                          |                        |                       | (dBm)              | $\text{dBm} + 10\log(\text{BW})$ |        |
| 36            | 5180                     | --                     | 18.76                 | 24                 | --                               | Pass   |
| 44            | 5220                     | --                     | 19.56                 | 24                 | --                               | Pass   |
| 48            | 5240                     | --                     | 21.11                 | 24                 | --                               | Pass   |
| 52            | 5260                     | 18.282                 | 21.04                 | 24                 | 23.62                            | Pass   |
| 60            | 5300                     | 18.232                 | 21.04                 | 24                 | 23.61                            | Pass   |
| 64            | 5320                     | 18.132                 | 18.21                 | 24                 | 23.58                            | Pass   |
| 100           | 5500                     | 18.232                 | 18.74                 | 24                 | 23.61                            | Pass   |
| 116           | 5580                     | 18.282                 | 21.26                 | 24                 | 23.62                            | Pass   |
| 140           | 5700                     | 18.182                 | 17.99                 | 24                 | 23.60                            | Pass   |
| 144(U-NII-2C) | 5720                     | 14.116                 | 19.69                 | 24                 | 22.50                            | Pass   |
| 144(U-NII-3)  | 5720                     | --                     | 11.89                 | 30                 | --                               | Pass   |
| 149           | 5745                     | --                     | 21.02                 | 30                 | --                               | Pass   |
| 157           | 5785                     | --                     | 21.09                 | 30                 | --                               | Pass   |
| 165           | 5825                     | --                     | 21.04                 | 30                 | --                               | Pass   |

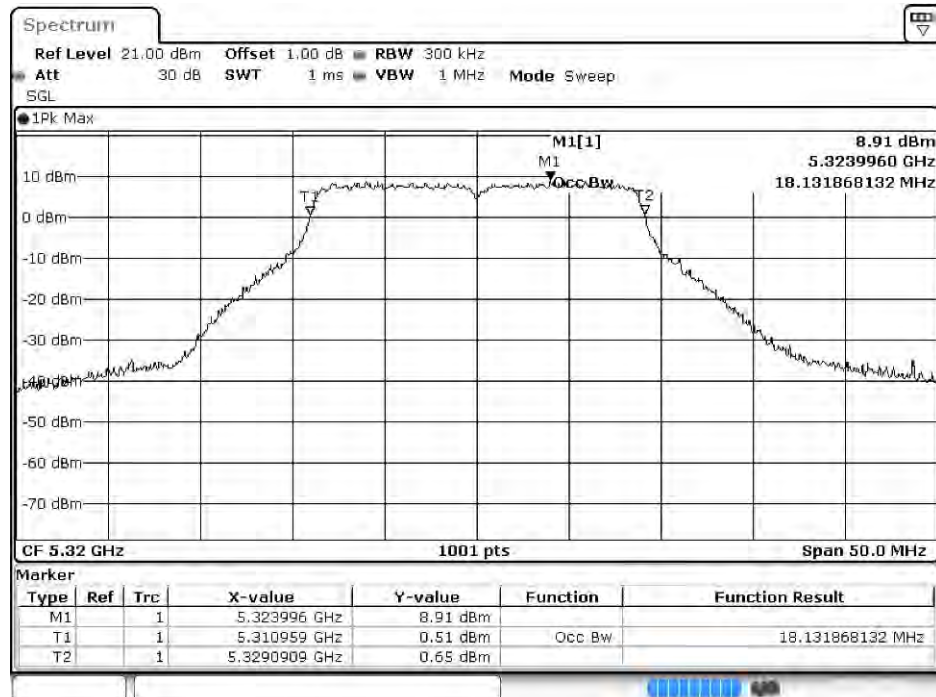
**99% Occupied Bandwidth:****Channel 52**

Date: 16.AUG.2019 15:15:26

**Channel 60**

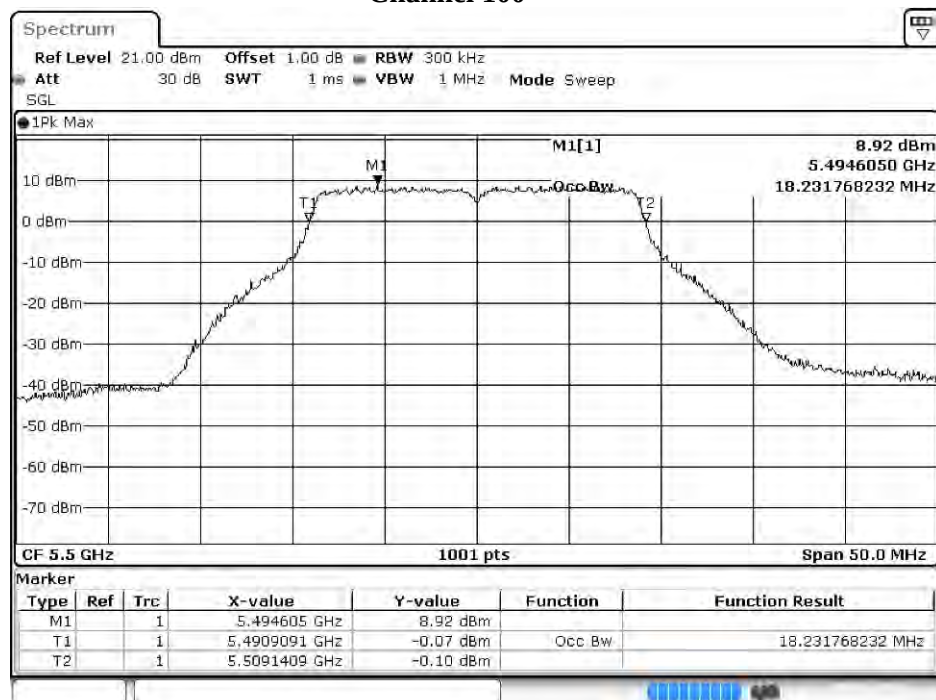
Date: 16.AUG.2019 15:16:10

## Channel 64



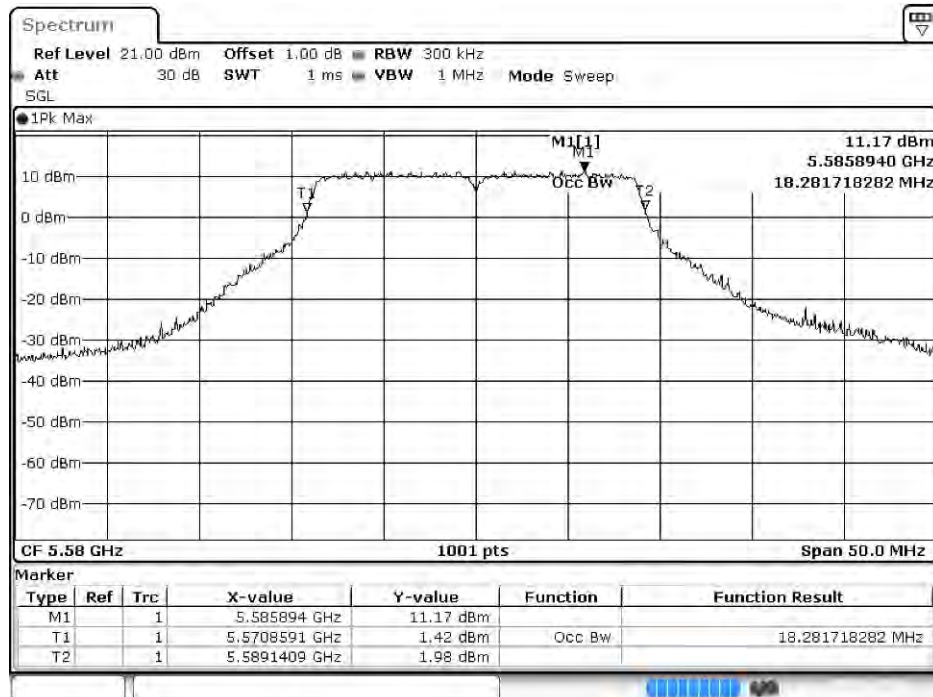
Date: 16.AUG.2019 15:16:46

## Channel 100



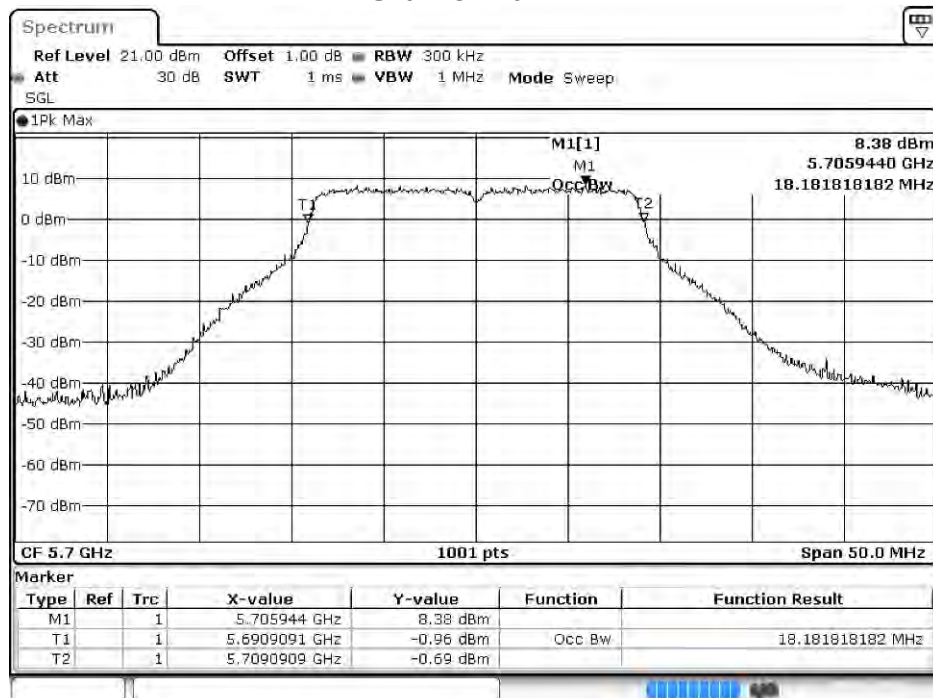
Date: 16.AUG.2019 15:17:23

## Channel 116



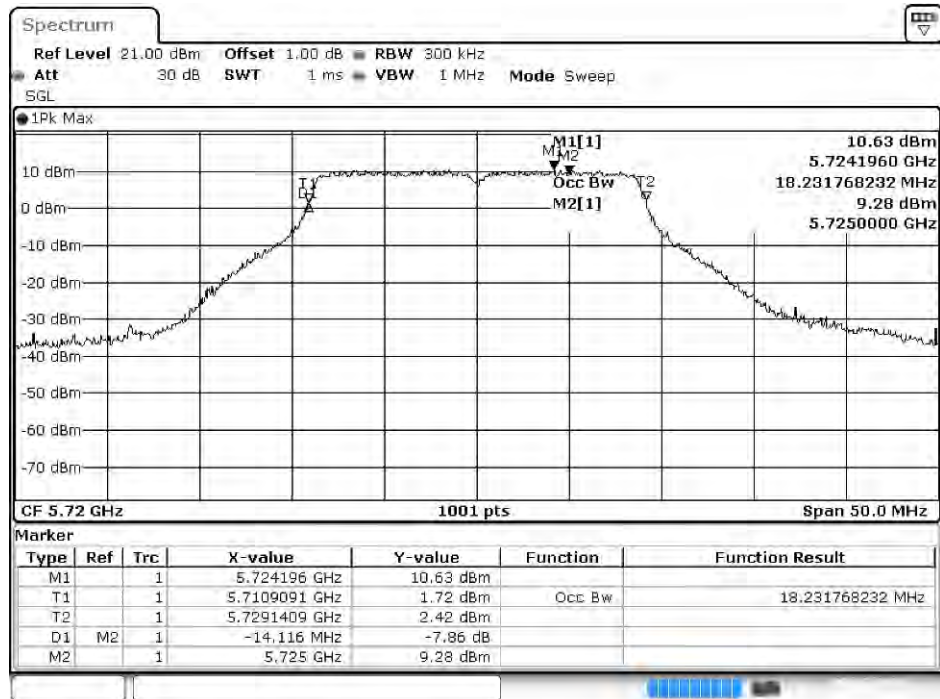
Date: 16.AUG.2019 15:18:14

## Channel 140



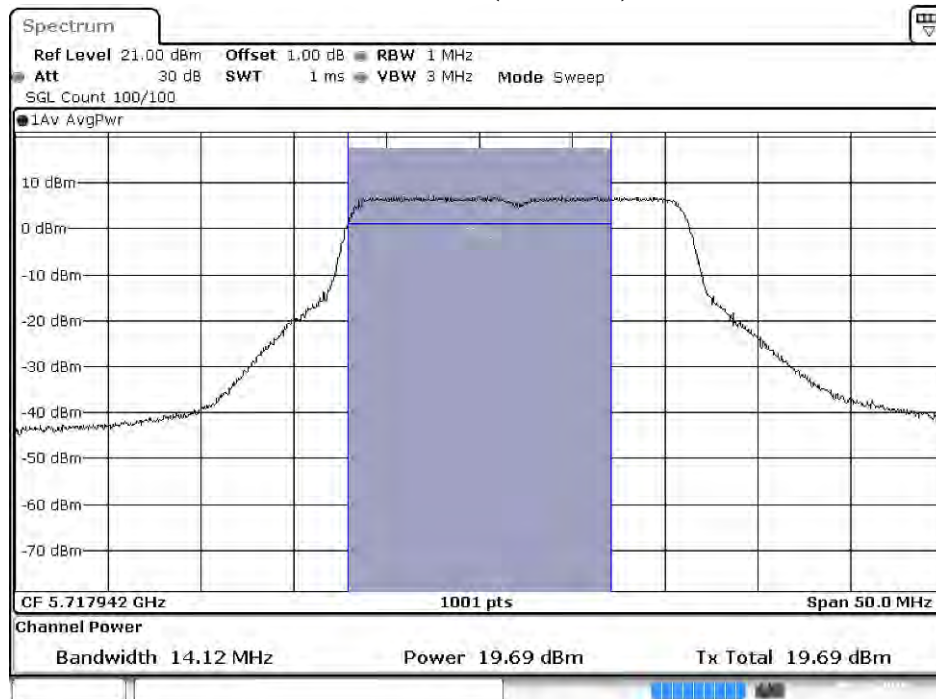
Date: 16.AUG.2019 15:20:34

## Channel 144



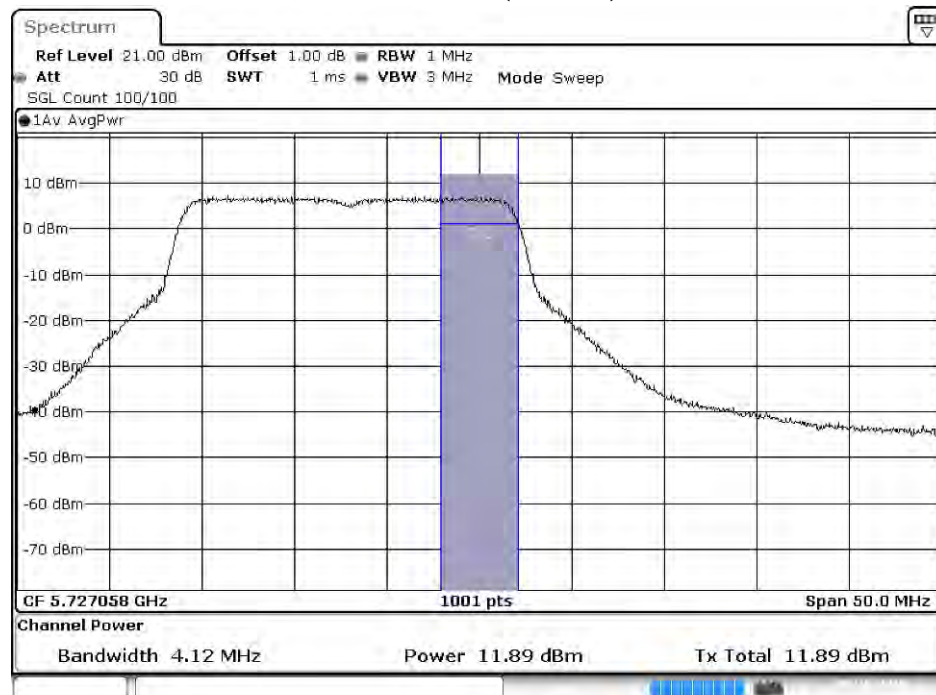
Date: 16.AUG.2019 14:56:39

**Maximum conducted output power:**  
**Channel 144 (U-NII-2C)**



Date: 16.AUG.2019 14:57:02

**Maximum conducted output power:**  
**Channel 144 (U-NII-3)**



Date: 16.AUG.2019 14:57:24

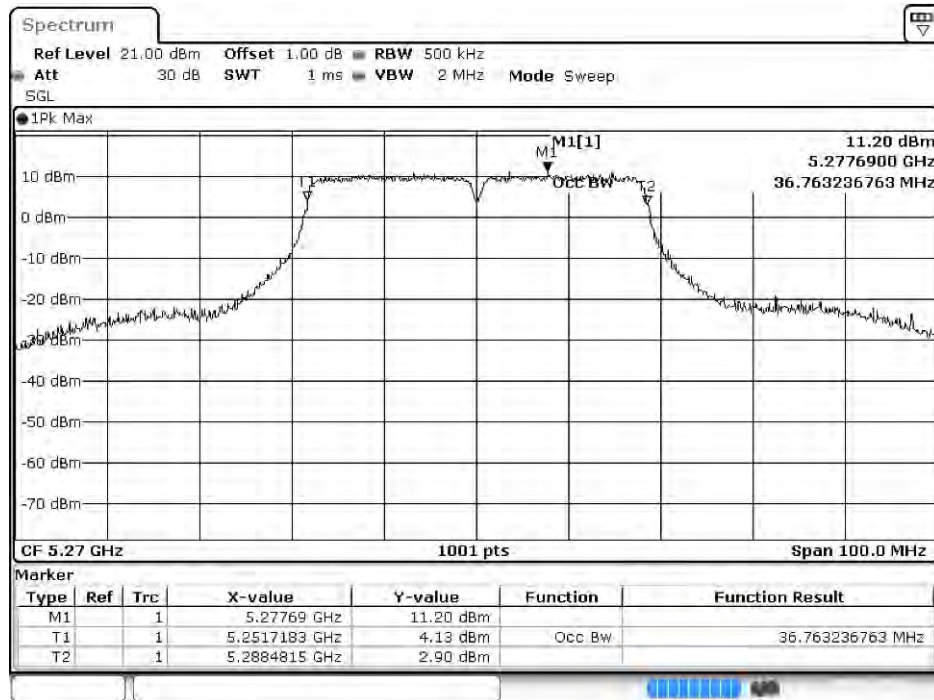
Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 12 SISO B: Transmit (802.11n-40BW\_15Mbps)

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 15                             | 30    | 45    | 60    | 90    | 120   | 135   | 150   |
|                  |                 | Measurement Level (dBm)        |       |       |       |       |       |       |       |
| 38               | 5190            | 18.47                          | --    | --    | --    | --    | --    | --    | --    |
| 46               | 5230            | 20.92                          | 20.87 | 20.81 | 20.75 | 20.72 | 20.68 | 20.62 | 20.55 |
| 54               | 5270            | 20.62                          | --    | --    | --    | --    | --    | --    | --    |
| 62               | 5310            | 17.33                          | 17.28 | 17.24 | 17.20 | 17.17 | 17.12 | 17.07 | 17.03 |
| 102              | 5510            | 18.23                          | --    | --    | --    | --    | --    | --    | --    |
| 110              | 5550            | 21.15                          | 21.09 | 21.02 | 20.98 | 20.92 | 20.88 | 20.82 | 20.78 |
| 134              | 5670            | 19.27                          | --    | --    | --    | --    | --    | --    | --    |
| 142(U-NII-2C)    | 5710            | 20.10                          | 20.04 | 19.97 | 19.91 | 19.86 | 19.80 | 19.75 | 19.71 |
| 142(U-NII-3)     | 5710            | 8.79                           | 8.74  | 8.68  | 8.64  | 8.58  | 8.52  | 8.47  | 8.42  |
| 151              | 5755            | 21.16                          | --    | --    | --    | --    | --    | --    | --    |
| 159              | 5795            | 21.05                          | 21.01 | 20.96 | 20.93 | 20.90 | 20.86 | 20.80 | 20.76 |

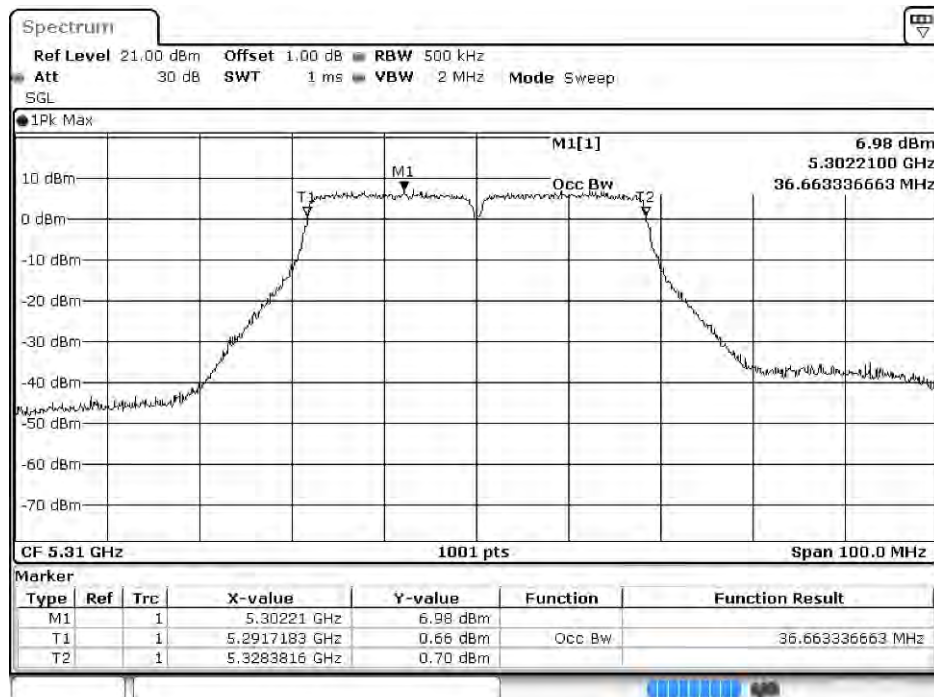
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

#### Maximum conducted output power Measurement:

| Channel No    | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Output Power Limit |               | Result |
|---------------|-----------------------|---------------------|--------------------|--------------------|---------------|--------|
|               |                       |                     |                    | (dBm)              | dBm+10log(BW) |        |
| 38            | 5190                  | --                  | 18.47              | 24                 | --            | Pass   |
| 46            | 5230                  | --                  | 20.92              | 24                 | --            | Pass   |
| 54            | 5270                  | 36.763              | 20.62              | 24                 | 26.65         | Pass   |
| 62            | 5310                  | 36.663              | 17.33              | 24                 | 26.64         | Pass   |
| 102           | 5510                  | 36.663              | 18.23              | 24                 | 26.64         | Pass   |
| 110           | 5550                  | 36.963              | 21.15              | 24                 | 26.68         | Pass   |
| 134           | 5670                  | 36.663              | 19.27              | 24                 | 26.64         | Pass   |
| 142(U-NII-2C) | 5710                  | 33.330              | 20.10              | 24                 | 26.23         | Pass   |
| 142(U-NII-3)  | 5710                  | --                  | 8.79               | 30                 | --            | Pass   |
| 151           | 5755                  | --                  | 21.16              | 30                 | --            | Pass   |
| 159           | 5795                  | --                  | 21.05              | 30                 | --            | Pass   |

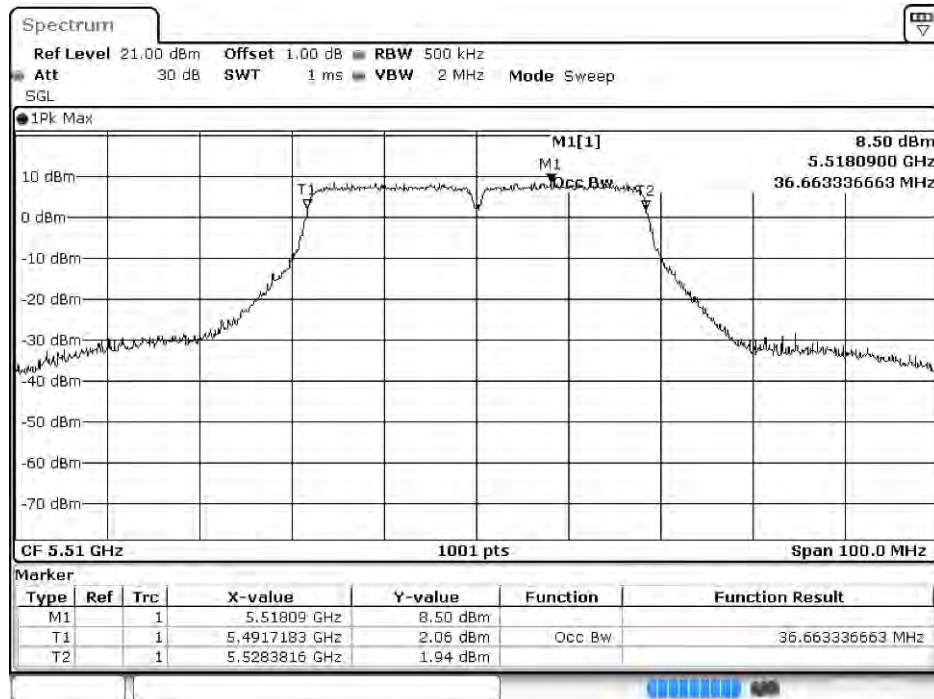
**99% Occupied Bandwidth:****Channel 54**

Date: 16.AUG.2019 15:22:38

**Channel 62**

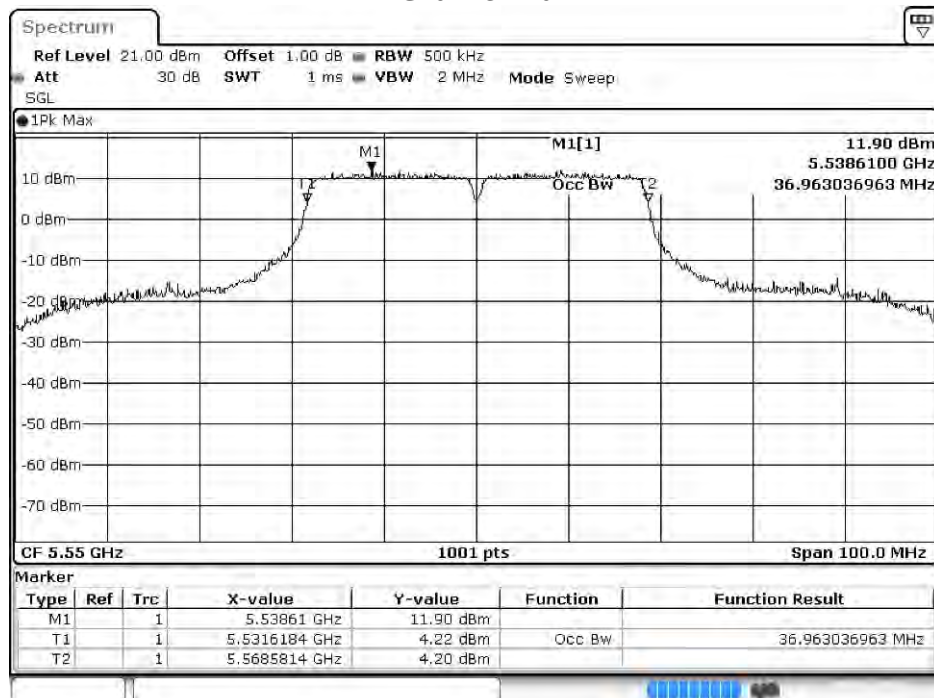
Date: 16.AUG.2019 15:23:36

## Channel 102



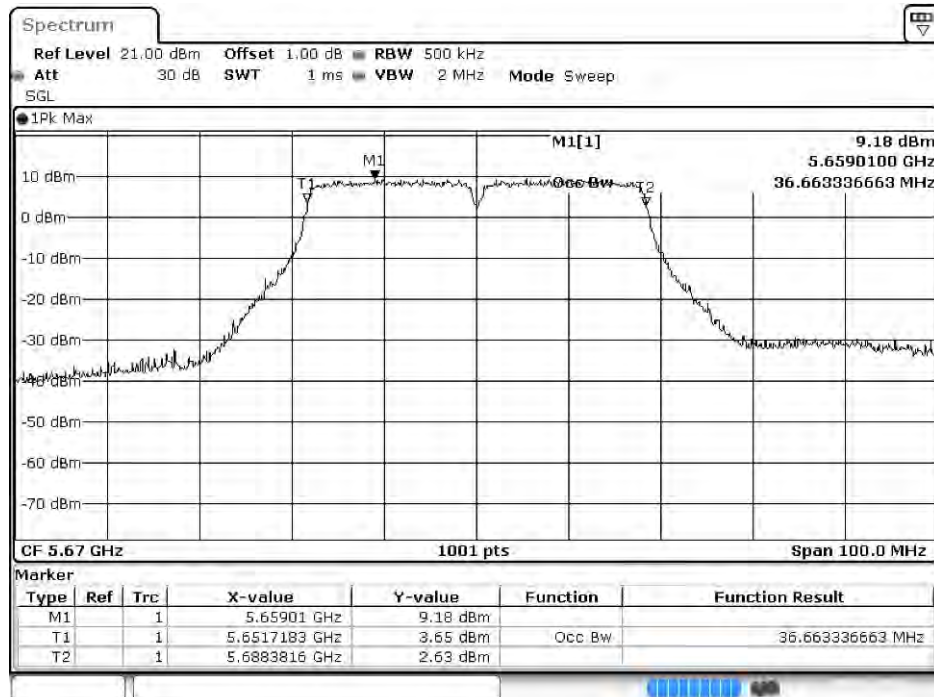
Date: 16.AUG.2019 15:25:37

## Channel 110



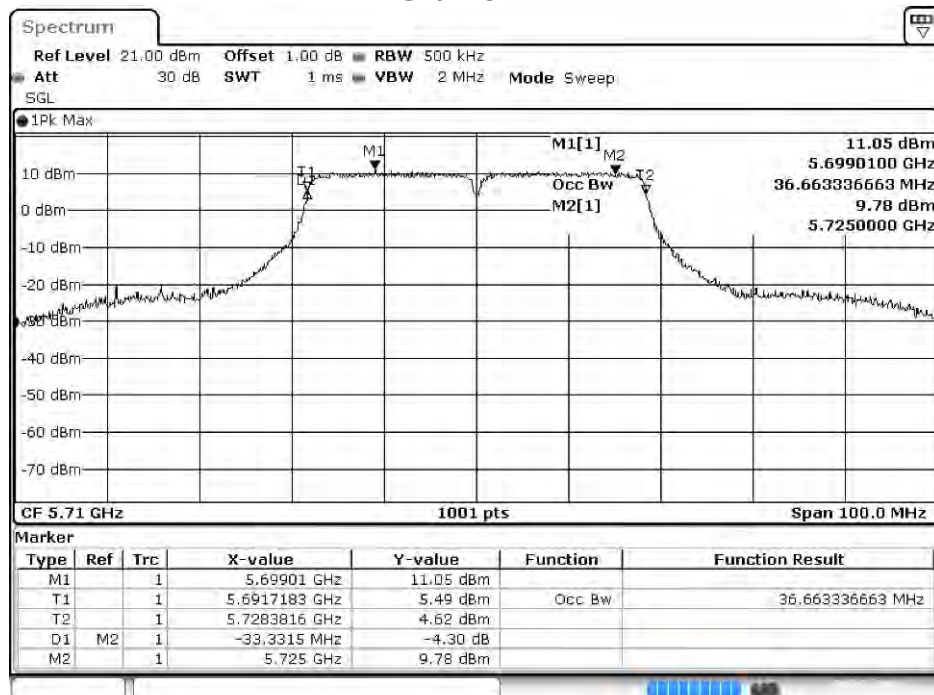
Date: 16.AUG.2019 15:26:34

## Channel 134

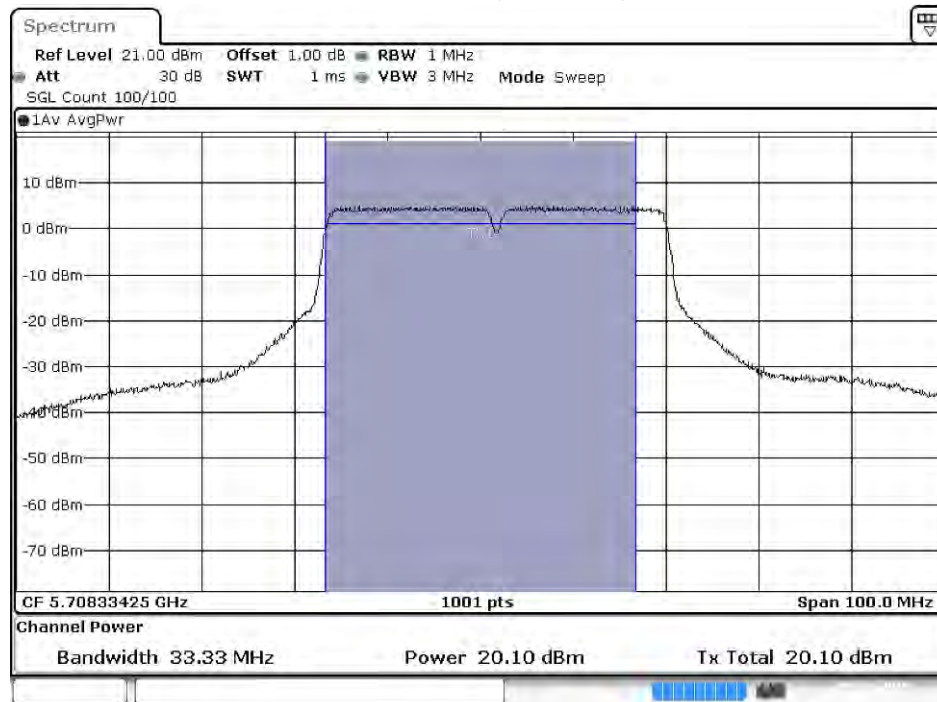


Date: 16.AUG.2019 15:28:09

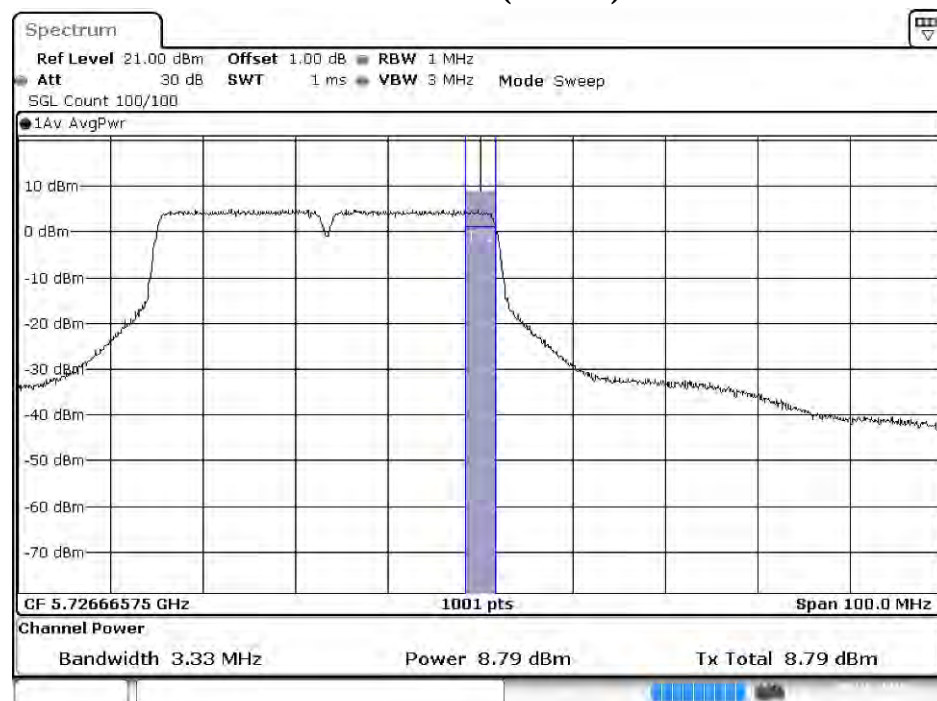
## Channel 142



Date: 16.AUG.2019 15:00:49

**Maximum conducted output power:****Channel 142 (U-NII-2C)**

Date: 16.AUG.2019 15:01:12

**Maximum conducted output power:****Channel 142 (U-NII-3)**

Date: 16.AUG.2019 15:01:34

Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 13 SISO B: Transmit (802.11ac-80BW\_32.5Mbps)

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No       | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |       |       |
|                  |                 | 32.5                           | 65    | 97.5  | 130   | 195   | 260   | 292.5 | 325   | 390   | 433.3 |
| 42               | 5210            | 18.31                          | 18.26 | 18.20 | 18.15 | 18.12 | 18.07 | 18.01 | 17.96 | 17.89 | 17.84 |
| 58               | 5290            | 17.69                          | 17.65 | 17.62 | 17.57 | 17.54 | 17.50 | 17.46 | 17.39 | 17.36 | 17.30 |
| 106              | 5530            | 18.81                          | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 122              | 5610            | 19.79                          | 19.75 | 19.69 | 19.66 | 19.60 | 19.54 | 19.49 | 19.43 | 19.36 | 19.31 |
| 138 (U-NII-2C)   | 5690            | 20.52                          | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 138 (U-NII-3)    | 5690            | 2.66                           | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 155              | 5775            | 18.76                          | 18.72 | 18.68 | 18.62 | 18.57 | 18.52 | 18.48 | 18.43 | 18.37 | 18.33 |

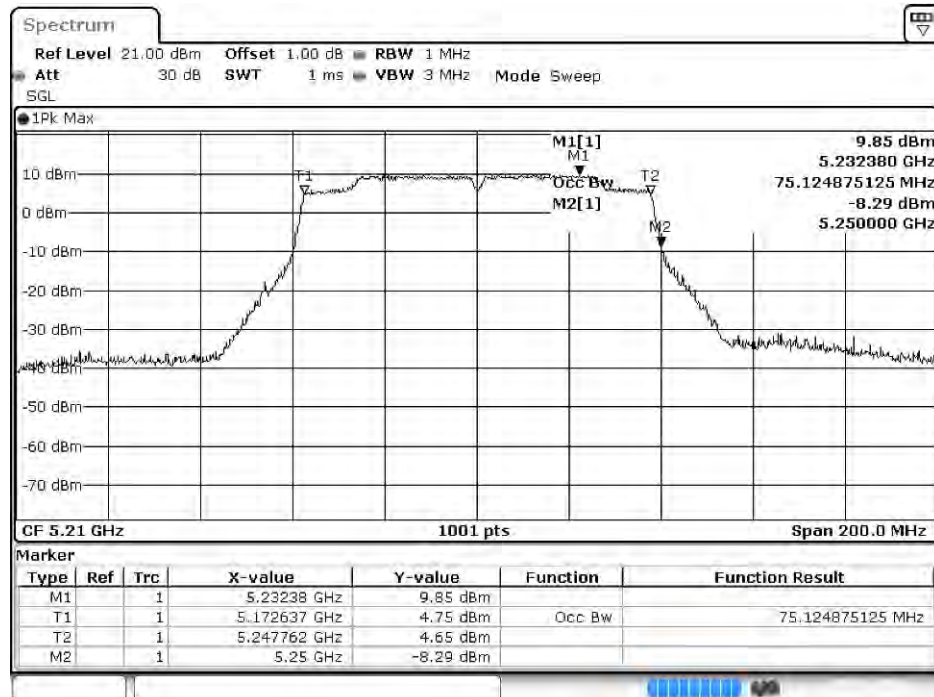
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

#### Maximum conducted output power Measurement:

| Channel No     | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Output Power Limit |               | Result |
|----------------|-----------------------|---------------------|--------------------|--------------------|---------------|--------|
|                |                       |                     |                    | (dBm)              | dBm+10log(BW) |        |
| 42             | 5210                  | --                  | 18.31              | 24                 | --            | Pass   |
| 58             | 5290                  | 74.920              | 17.69              | 24                 | 29.75         | Pass   |
| 106            | 5530                  | 75.330              | 18.81              | 24                 | 29.77         | Pass   |
| 122            | 5610                  | 75.330              | 19.79              | 24                 | 29.77         | Pass   |
| 138 (U-NII-2C) | 5690                  | 72.760              | 20.52              | 24                 | 29.62         | Pass   |
| 138 (U-NII-3)  | 5690                  | --                  | 2.66               | 30                 | --            | Pass   |
| 155            | 5775                  | --                  | 18.76              | 30                 | --            | Pass   |

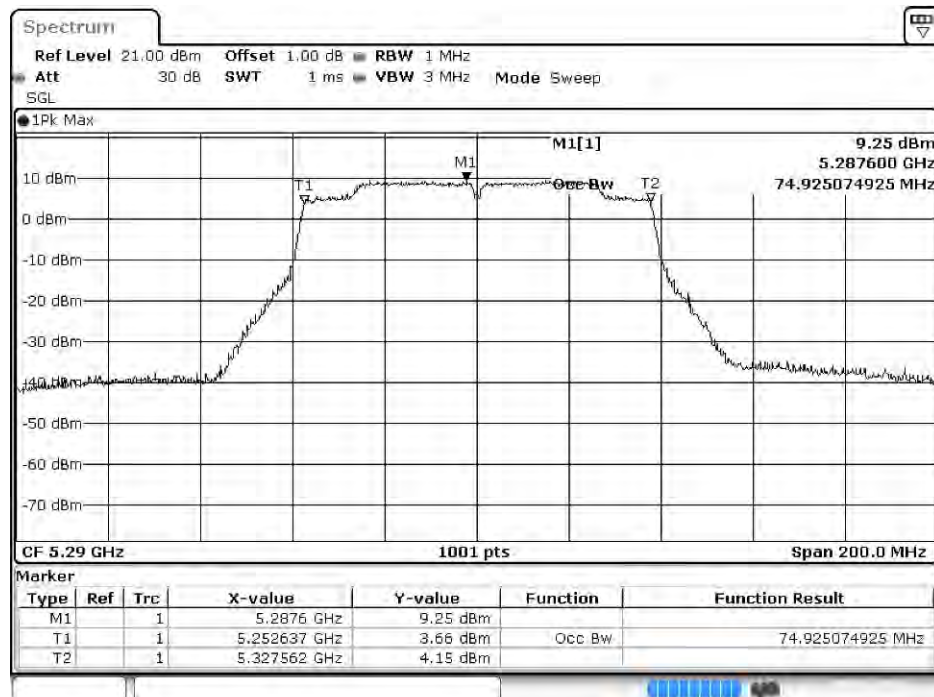
## 99% Occupied Bandwidth:

## Channel 42



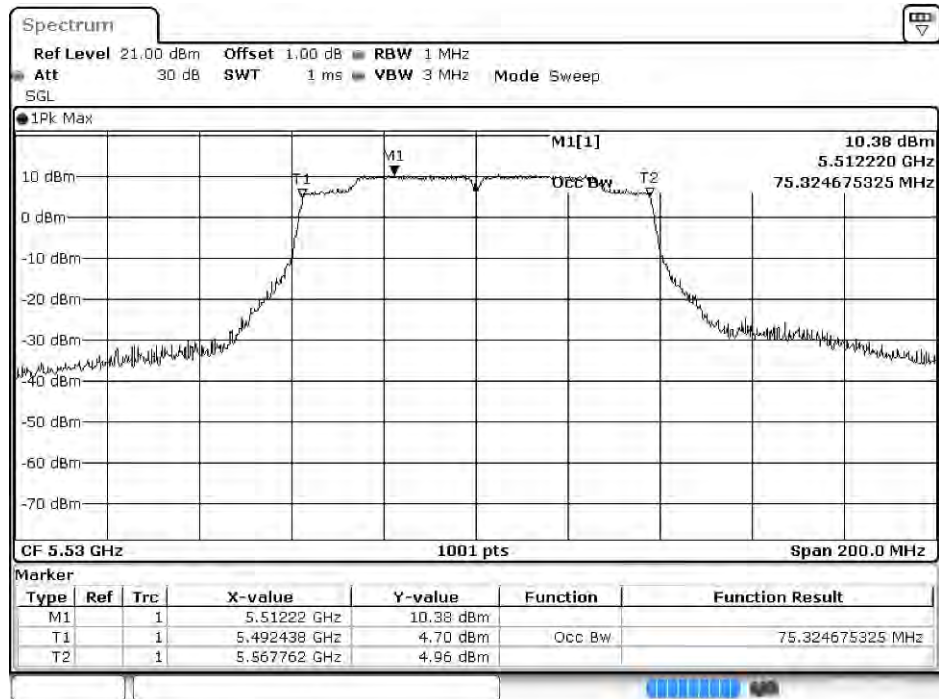
Date: 16.AUG.2019 15:03:18

## Channel 58



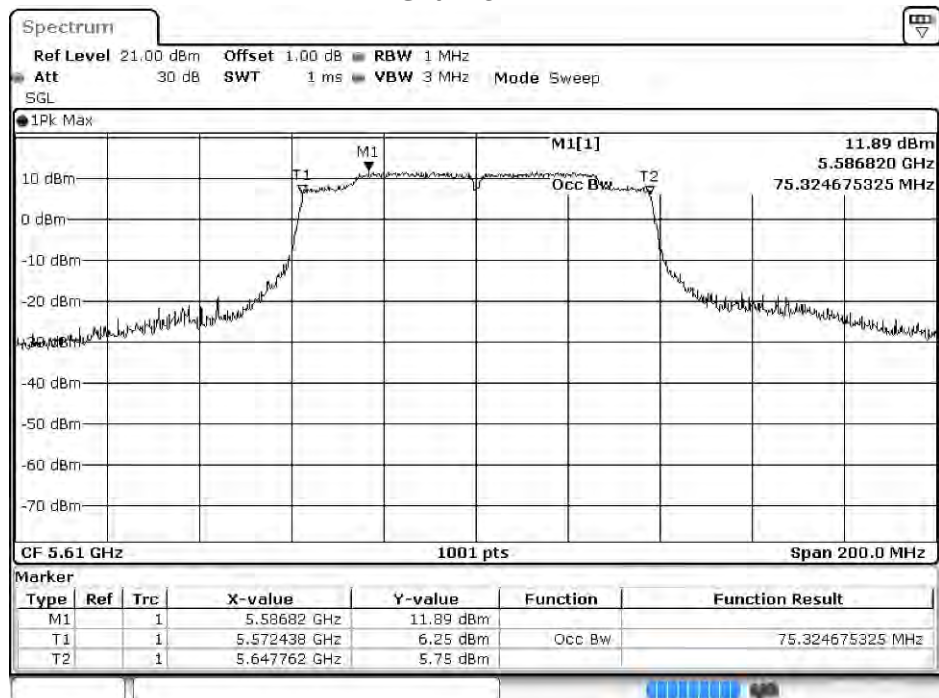
Date: 16.AUG.2019 15:05:27

## Channel 106



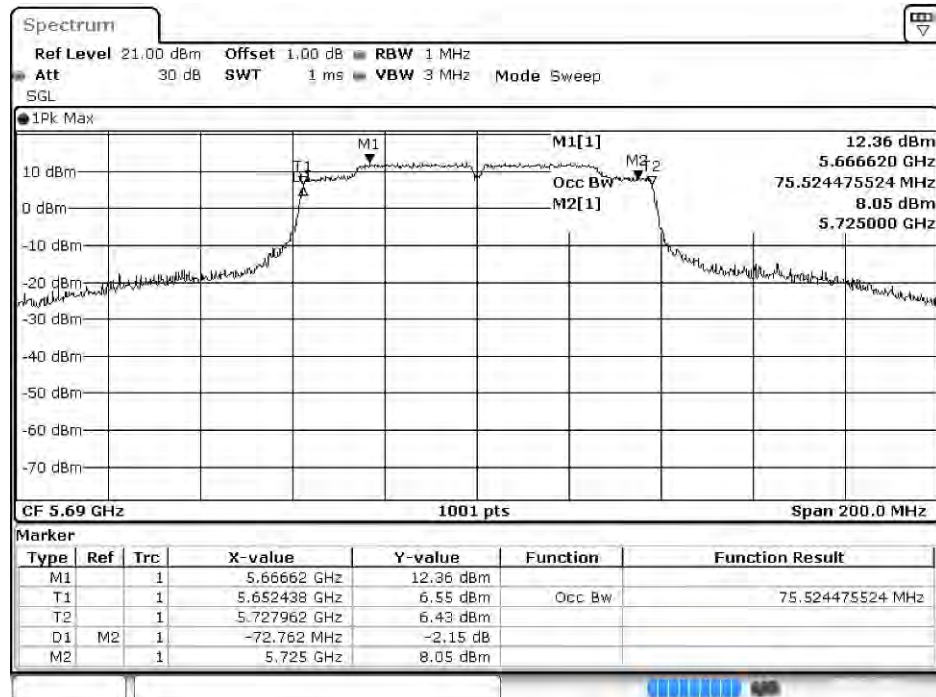
Date: 16.AUG.2019 15:07:06

## Channel 122



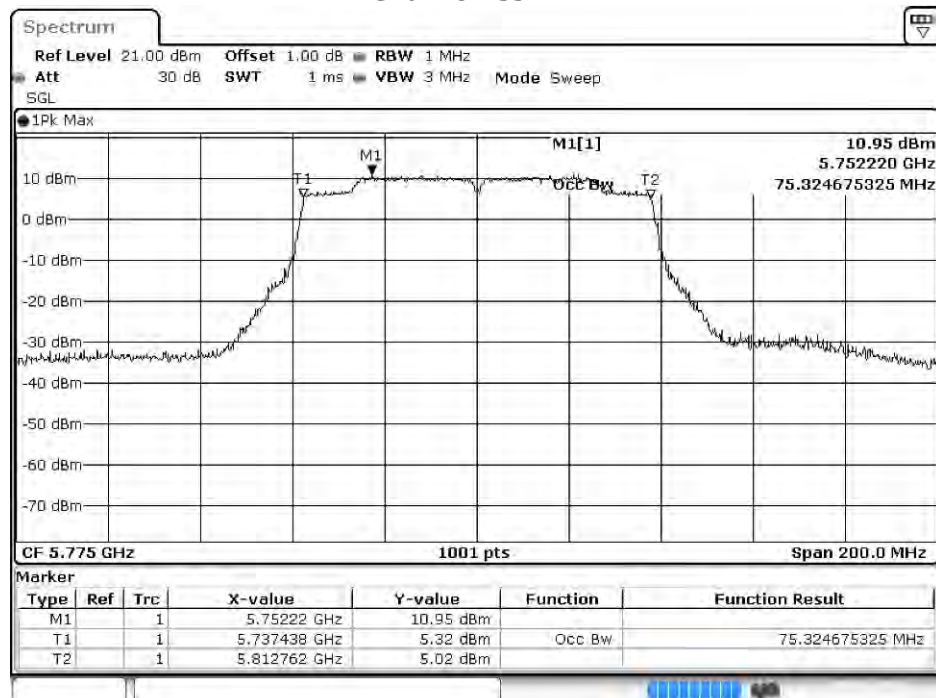
Date: 16.AUG.2019 15:08:24

## Channel 138

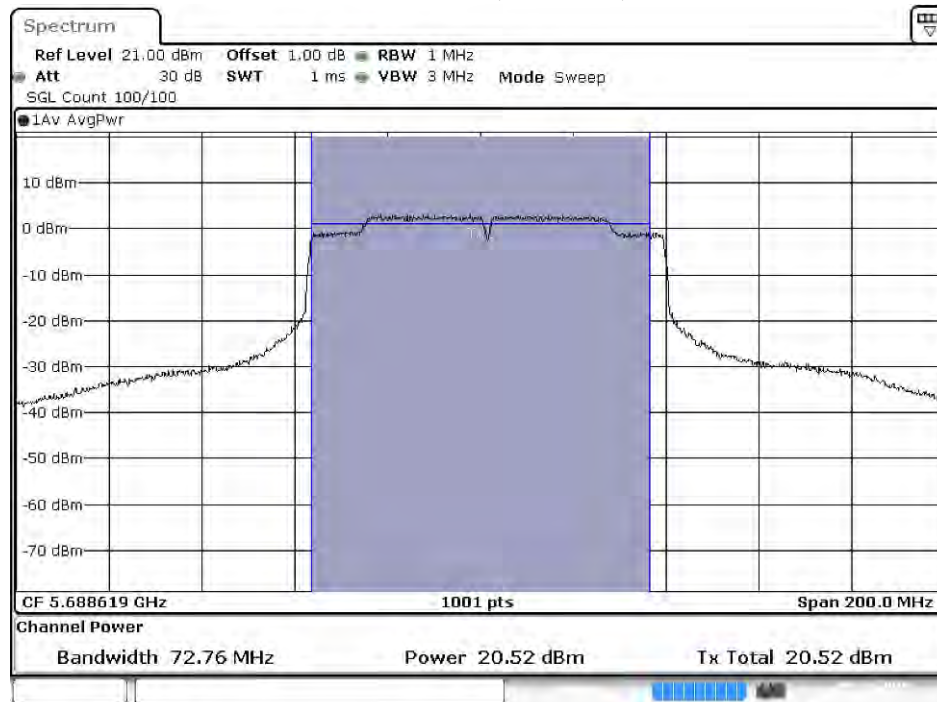


Date: 16.AUG.2019 15:10:22

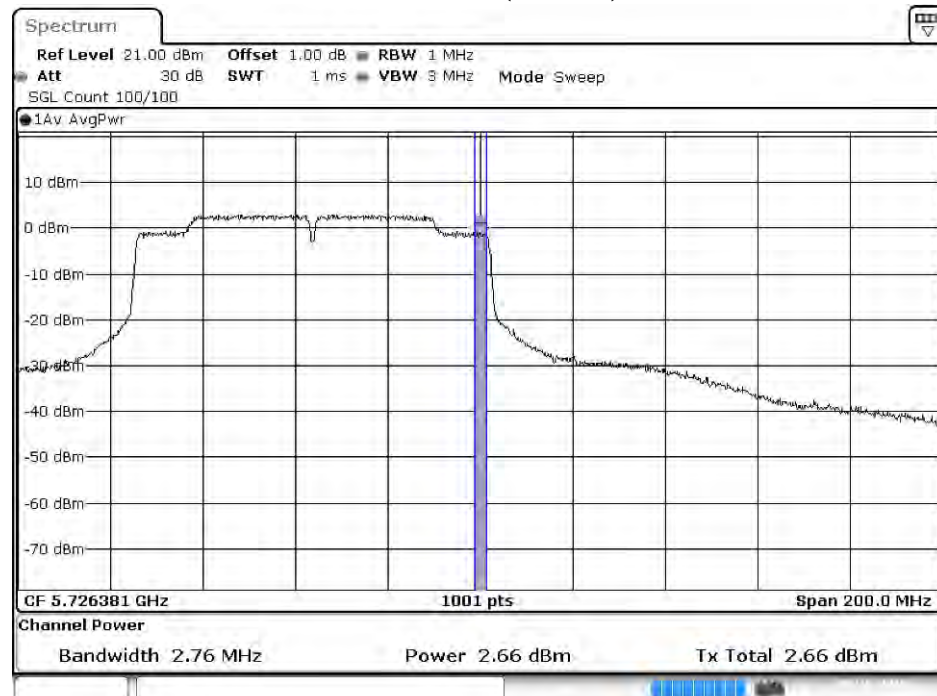
## Channel 155



Date: 16.AUG.2019 15:33:13

**Maximum conducted output power:****Channel 138 (U-NII-2C)**

Date: 16.AUG.2019 15:10:45

**Maximum conducted output power:****Channel 138 (U-NII-3)**

Date: 16.AUG.2019 15:11:07

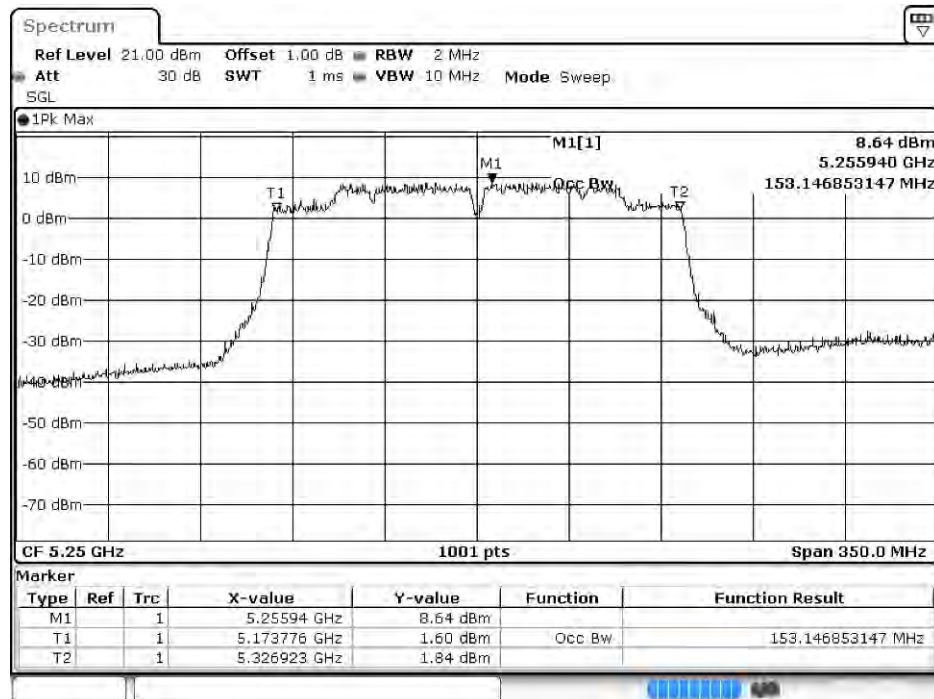
Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 14 SISO B: Transmit (802.11ac-160BW\_65Mbps)

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No       | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |       |       |
|                  |                 | 65                             | 130   | 195   | 260   | 390   | 520   | 585   | 650   | 780   | 866.7 |
| 50 (U-NII-1)     | 5250            | 11.98                          | 11.93 | 11.89 | 11.83 | 11.77 | 11.72 | 11.67 | 11.63 | 11.60 | 11.56 |
| 50 (U-NII-2A)    | 5250            | 12.28                          | 12.21 | 12.18 | 12.13 | 12.07 | 12.04 | 12.01 | 11.95 | 11.91 | 11.85 |
| 114              | 5570            | 14.49                          | 14.43 | 14.37 | 14.34 | 14.30 | 14.23 | 14.17 | 14.12 | 14.09 | 14.05 |

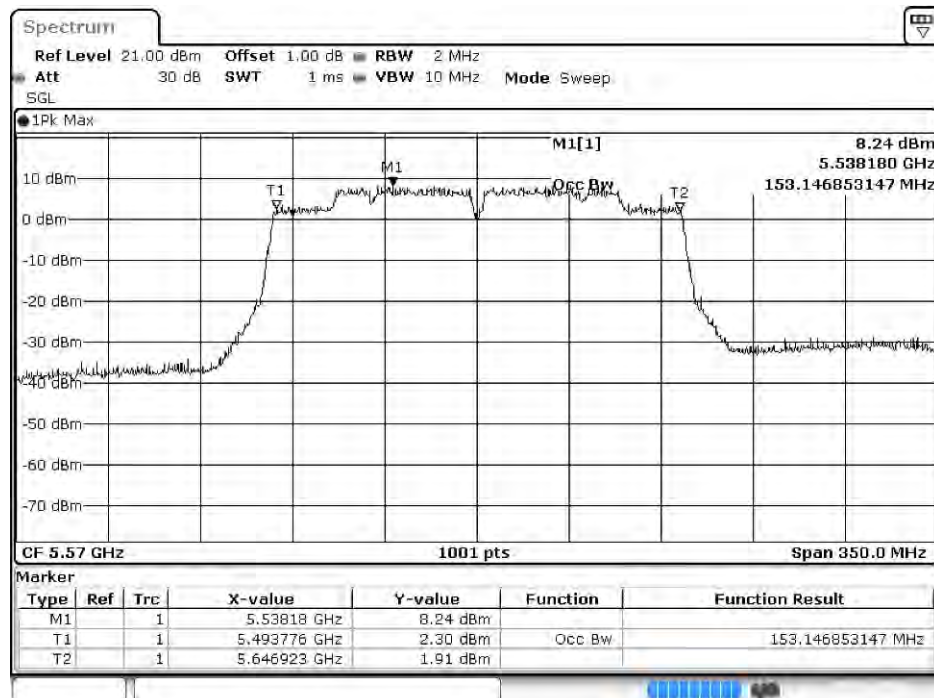
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

#### Maximum conducted output power Measurement:

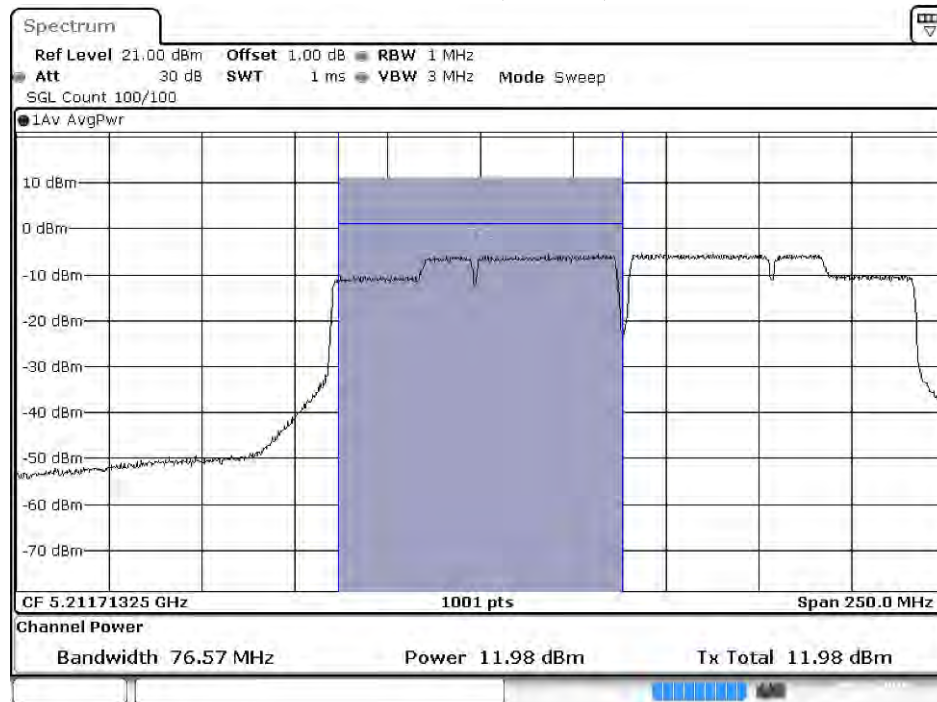
| Channel No    | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Output Power Limit |               | Result |
|---------------|-----------------------|---------------------|--------------------|--------------------|---------------|--------|
|               |                       |                     |                    | (dBm)              | dBm+10log(BW) |        |
| 50 (U-NII-1)  | 5250                  | --                  | 11.98              | 24                 | --            | Pass   |
| 50 (U-NII-2A) | 5250                  | 76.570              | 12.28              | 24                 | 29.84         | Pass   |
| 114           | 5570                  | 153.150             | 14.49              | 24                 | 32.85         | Pass   |

**99% Occupied Bandwidth:****Channel 50**

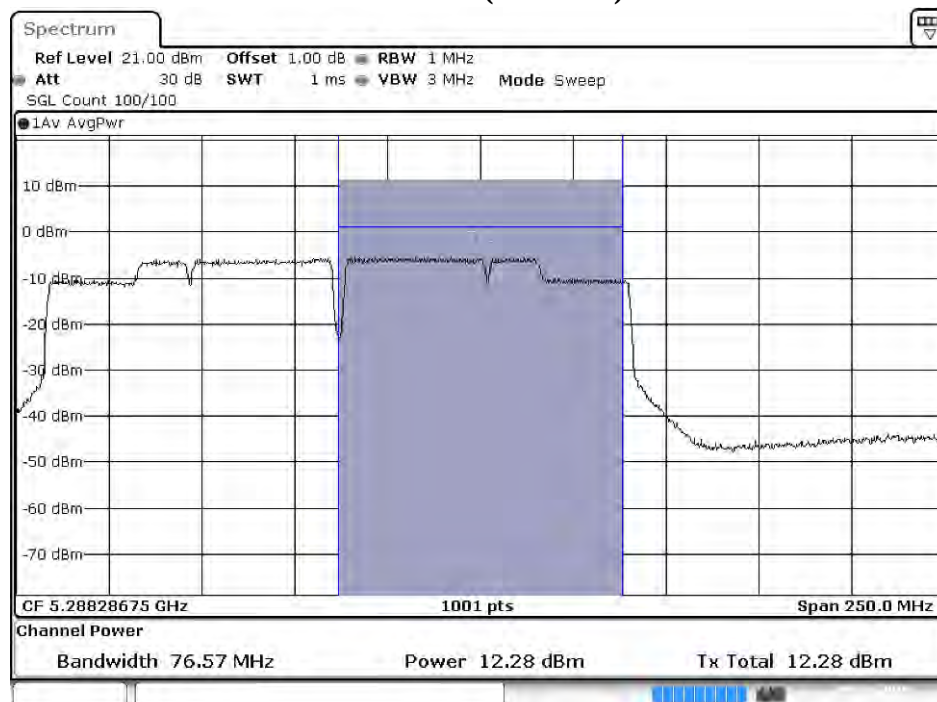
Date: 16.AUG.2019 14:53:53

**Channel 114**

Date: 16.AUG.2019 14:55:15

**Maximum conducted output power:****Channel 50 (U-NII-1)**

Date: 16.AUG.2019 14:54:16

**Maximum conducted output power:****Channel 50 (U-NII-2A)**

Date: 16.AUG.2019 14:54:38

Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/15  
 Test Mode : Mode 19 MIMO: Transmit (802.11n-20BW\_14.4Mbps)

**Chain A**

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 14.4                           | 28.9  | 43.3  | 57.8  | 86.7  | 115.6 | 130   | 144.4 |
| 36               | 5180            | 15.51                          | --    | --    | --    | --    | --    | --    | --    |
| 44               | 5220            | 16.27                          | 16.24 | 16.18 | 16.13 | 16.09 | 16.03 | 15.99 | 15.93 |
| 48               | 5240            | 17.65                          | --    | --    | --    | --    | --    | --    | --    |
| 52               | 5260            | 17.66                          | --    | --    | --    | --    | --    | --    | --    |
| 60               | 5300            | 17.62                          | 13.37 | 13.32 | 13.27 | 13.22 | 13.16 | 13.11 | 13.07 |
| 64               | 5320            | 15.31                          | --    | --    | --    | --    | --    | --    | --    |
| 100              | 5500            | 15.61                          | --    | --    | --    | --    | --    | --    | --    |
| 116              | 5580            | 18.12                          | 14.86 | 14.81 | 14.77 | 14.72 | 14.67 | 14.62 | 14.57 |
| 140              | 5700            | 15.07                          | --    | --    | --    | --    | --    | --    | --    |
| 144(U-NII-2C)    | 5720            | 17.43                          | 17.38 | 17.34 | 17.29 | 17.23 | 17.18 | 17.14 | 17.08 |
| 144(U-NII-3)     | 5720            | 10.53                          | 10.47 | 10.43 | 10.39 | 10.34 | 10.30 | 10.23 | 10.18 |
| 149              | 5745            | 17.47                          | --    | --    | --    | --    | --    | --    | --    |
| 157              | 5785            | 17.35                          | 13.87 | 13.82 | 13.77 | 13.73 | 13.67 | 13.62 | 13.58 |
| 165              | 5825            | 17.31                          | --    | --    | --    | --    | --    | --    | --    |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Chain B**

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 14.4                           | 28.9  | 43.3  | 57.8  | 86.7  | 115.6 | 130   | 144.4 |
| 36               | 5180            | 15.63                          | --    | --    | --    | --    | --    | --    | --    |
| 44               | 5220            | 16.44                          | 16.39 | 16.35 | 16.31 | 16.26 | 16.19 | 16.13 | 16.10 |
| 48               | 5240            | 17.81                          | --    | --    | --    | --    | --    | --    | --    |
| 52               | 5260            | 17.73                          | --    | --    | --    | --    | --    | --    | --    |
| 60               | 5300            | 17.61                          | 13.37 | 13.32 | 13.27 | 13.22 | 13.17 | 13.12 | 13.07 |
| 64               | 5320            | 15.28                          | --    | --    | --    | --    | --    | --    | --    |
| 100              | 5500            | 15.76                          | --    | --    | --    | --    | --    | --    | --    |
| 116              | 5580            | 18.15                          | 14.77 | 14.73 | 14.69 | 14.62 | 14.57 | 14.52 | 14.47 |
| 140              | 5700            | 15.06                          | --    | --    | --    | --    | --    | --    | --    |
| 144(U-NII-2C)    | 5720            | 17.29                          | 17.23 | 17.17 | 17.12 | 17.07 | 17.04 | 16.98 | 16.94 |
| 144(U-NII-3)     | 5720            | 10.72                          | 10.65 | 10.60 | 10.55 | 10.49 | 10.45 | 10.41 | 10.38 |
| 149              | 5745            | 17.31                          | --    | --    | --    | --    | --    | --    | --    |
| 157              | 5785            | 17.31                          | 13.89 | 13.85 | 13.79 | 13.74 | 13.69 | 13.63 | 13.59 |
| 165              | 5825            | 17.14                          | --    | --    | --    | --    | --    | --    | --    |

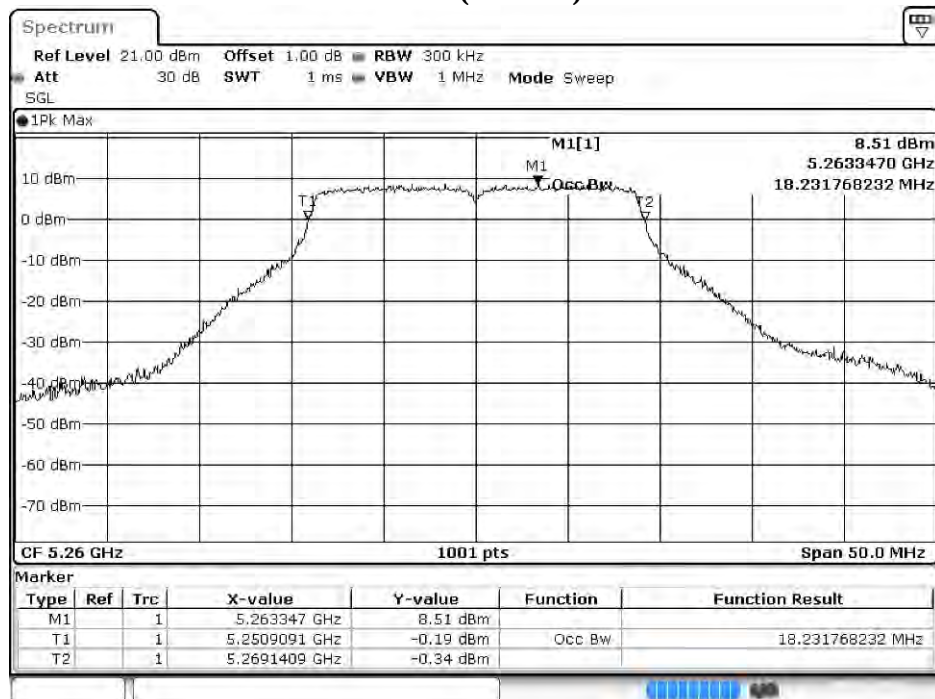
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

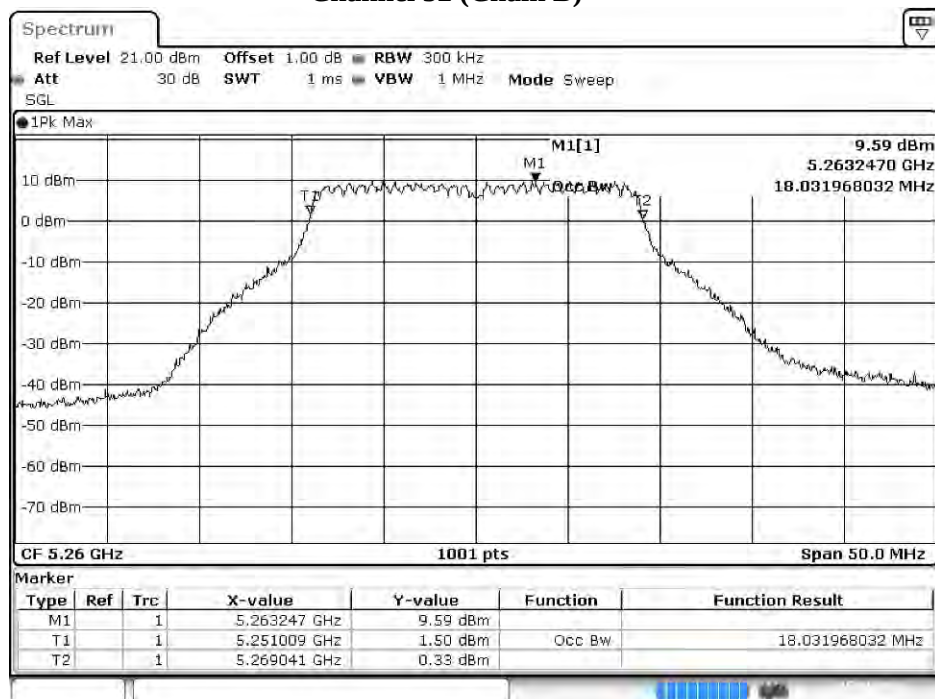
| Channel No    | Frequency Range<br>(MHz) | 99% Bandwidth<br>(MHz) | Chain A Power<br>(dBm) | Chain B Power<br>(dBm) | Output Power<br>(dBm) | Output Power Limit |               | Result |
|---------------|--------------------------|------------------------|------------------------|------------------------|-----------------------|--------------------|---------------|--------|
|               |                          |                        |                        |                        |                       | (dBm)              | dBm+10log(BW) |        |
| 36            | 5180                     | --                     | 15.51                  | 15.63                  | 18.58                 | 24                 | --            | Pass   |
| 44            | 5220                     | --                     | 16.27                  | 16.44                  | 19.37                 | 24                 | --            | Pass   |
| 48            | 5240                     | --                     | 17.65                  | 17.81                  | 20.74                 | 24                 | --            | Pass   |
| 52            | 5260                     | 18.032                 | 17.66                  | 17.73                  | 20.71                 | 24                 | 23.56         | Pass   |
| 60            | 5300                     | 18.082                 | 17.62                  | 17.61                  | 20.63                 | 24                 | 23.57         | Pass   |
| 64            | 5320                     | 18.082                 | 15.31                  | 15.28                  | 18.31                 | 24                 | 23.57         | Pass   |
| 100           | 5500                     | 18.082                 | 15.61                  | 15.76                  | 18.70                 | 24                 | 23.57         | Pass   |
| 116           | 5580                     | 18.082                 | 18.12                  | 18.15                  | 21.15                 | 24                 | 23.57         | Pass   |
| 140           | 5700                     | 18.032                 | 15.07                  | 15.06                  | 18.08                 | 24                 | 23.56         | Pass   |
| 144(U-NII-2C) | 5720                     | 14.070                 | 17.43                  | 17.29                  | 20.37                 | 24                 | 22.48         | Pass   |
| 144(U-NII-3)  | 5720                     | --                     | 10.53                  | 10.72                  | 13.64                 | 30                 | --            | Pass   |
| 149           | 5745                     | --                     | 17.47                  | 17.31                  | 20.40                 | 30                 | --            | Pass   |
| 157           | 5785                     | --                     | 17.35                  | 17.31                  | 20.34                 | 30                 | --            | Pass   |
| 165           | 5825                     | --                     | 17.31                  | 17.14                  | 20.24                 | 30                 | --            | Pass   |

Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

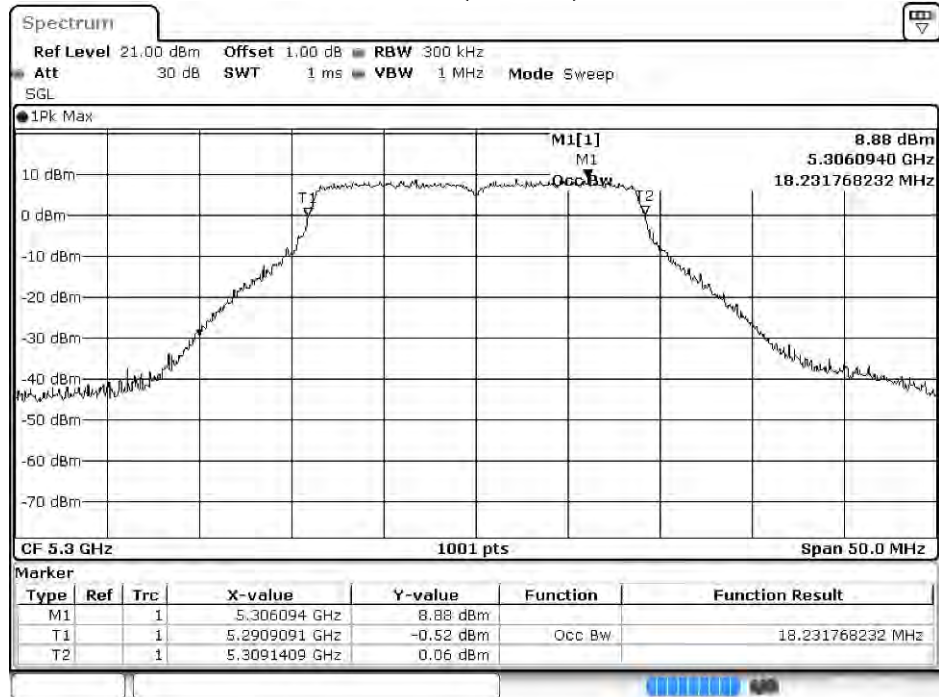
**99% Occupied Bandwidth:****Channel 52 (Chain A)**

Date: 15.AUG.2019 19:57:57

**Channel 52 (Chain B)**

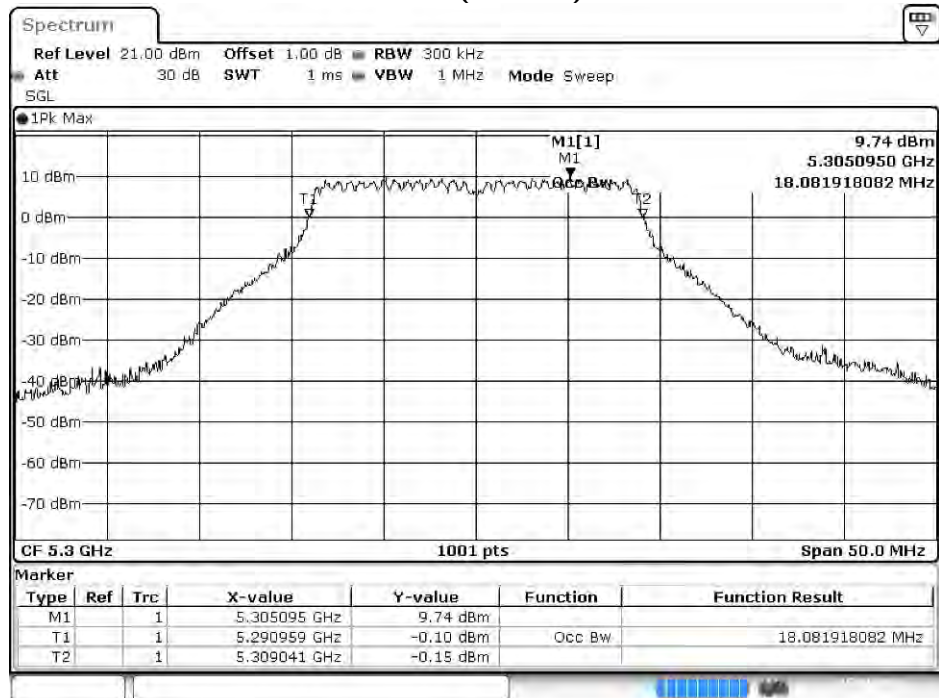
Date: 15.AUG.2019 21:53:26

## Channel 60 (Chain A)



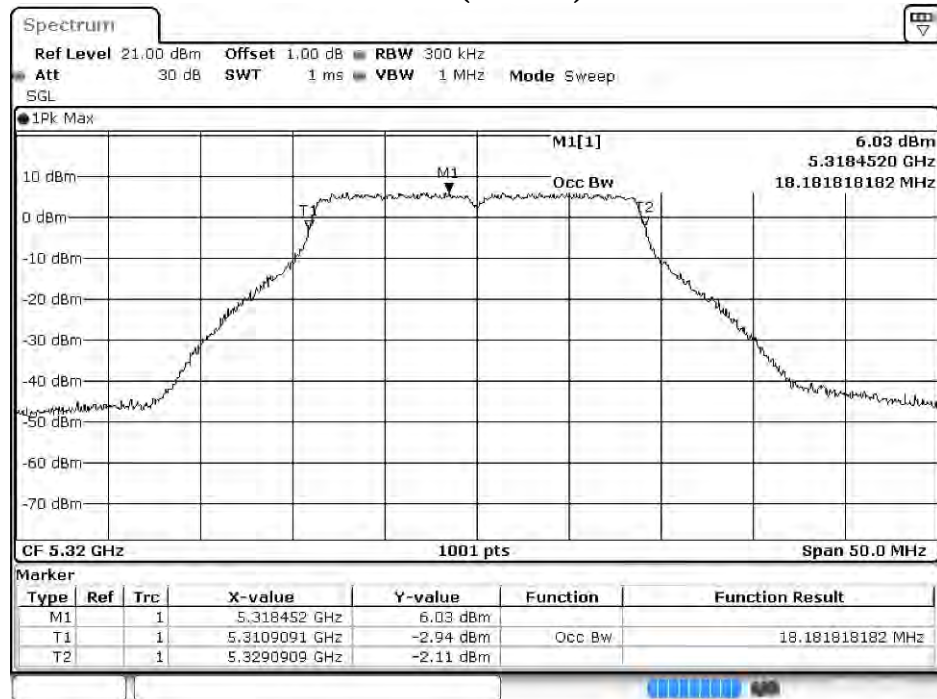
Date: 15.AUG.2019 19:58:48

## Channel 60 (Chain B)



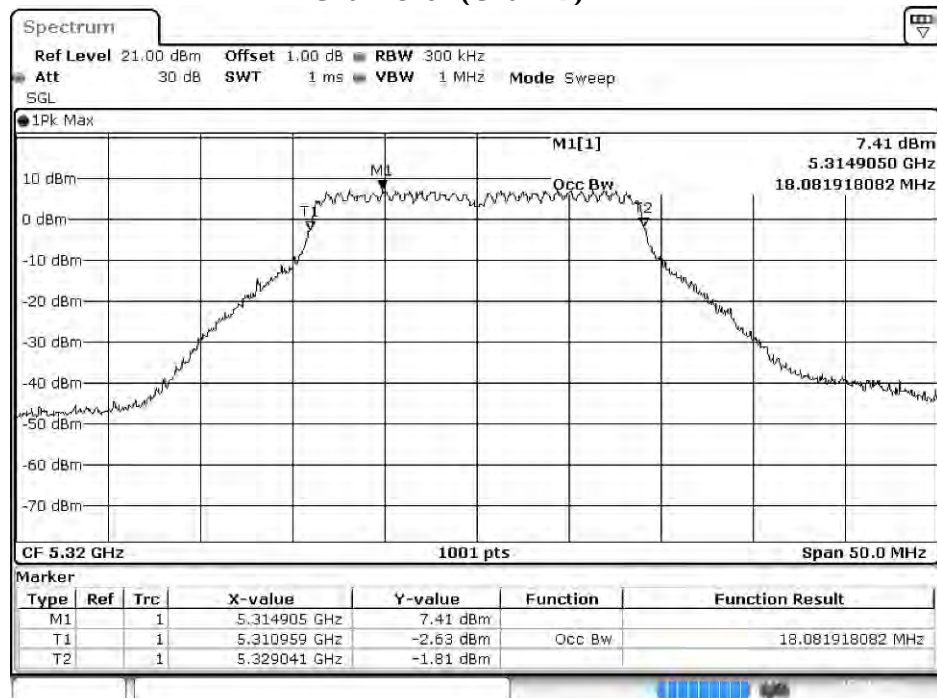
Date: 15.AUG.2019 21:54:16

## Channel 64 (Chain A)



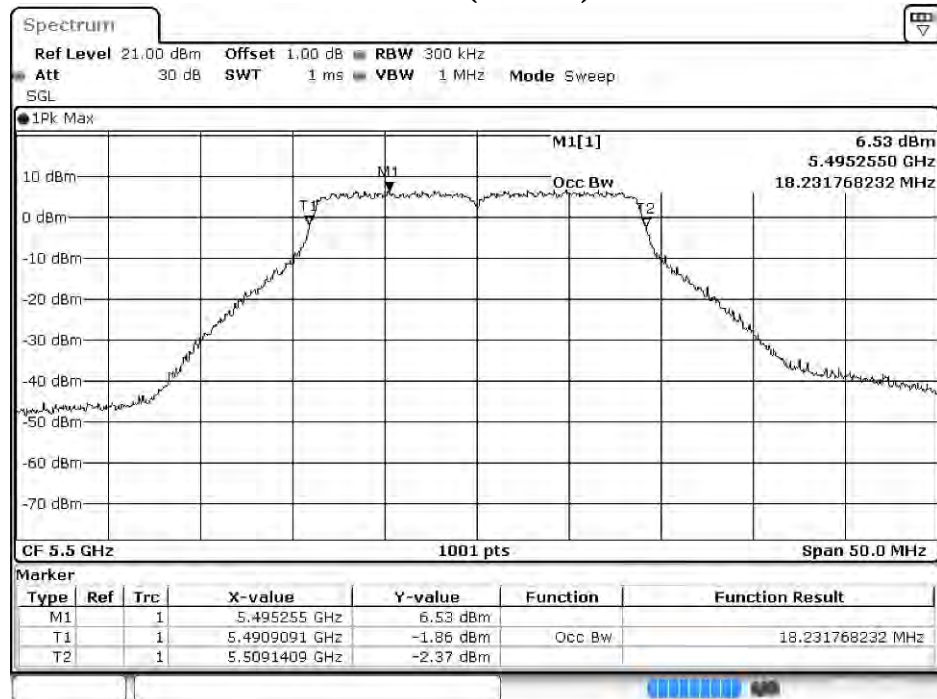
Date: 15.AUG.2019 19:59:57

## Channel 64 (Chain B)



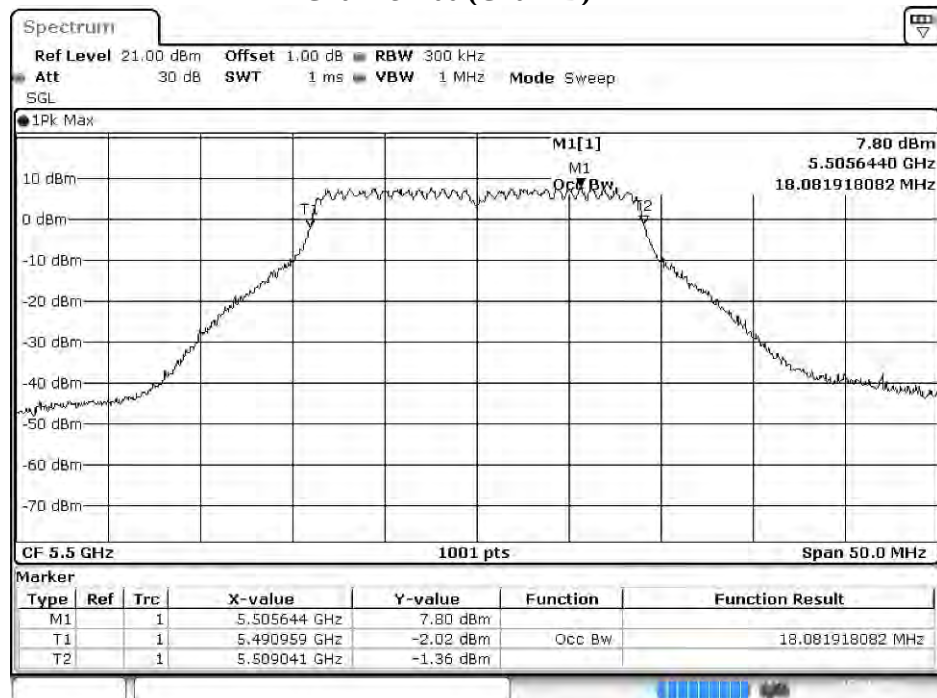
Date: 15.AUG.2019 21:55:25

## Channel 100 (Chain A)



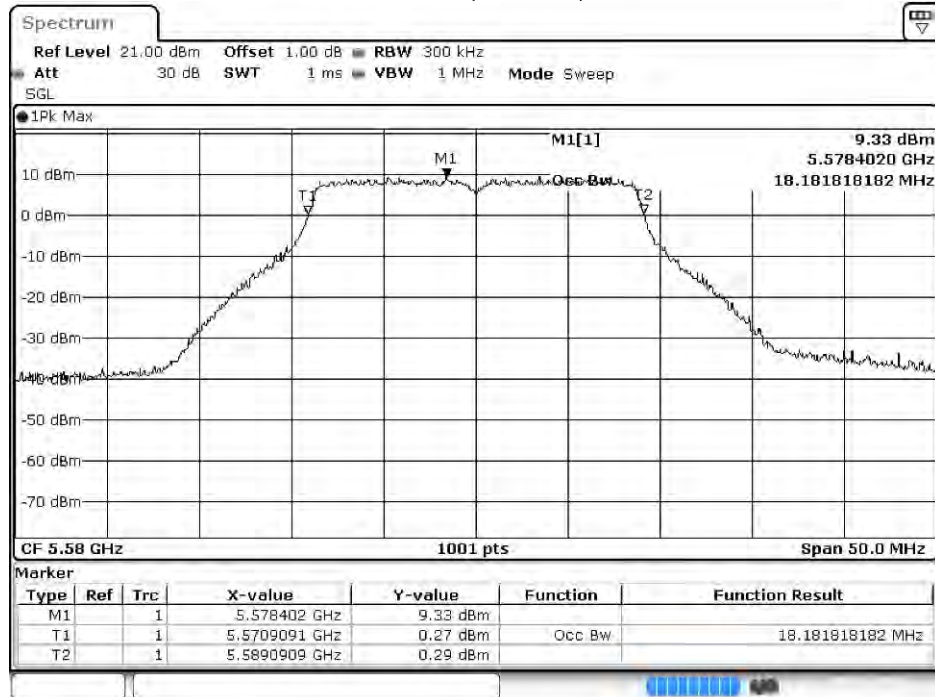
Date: 15.AUG.2019 20:01:01

## Channel 100 (Chain B)



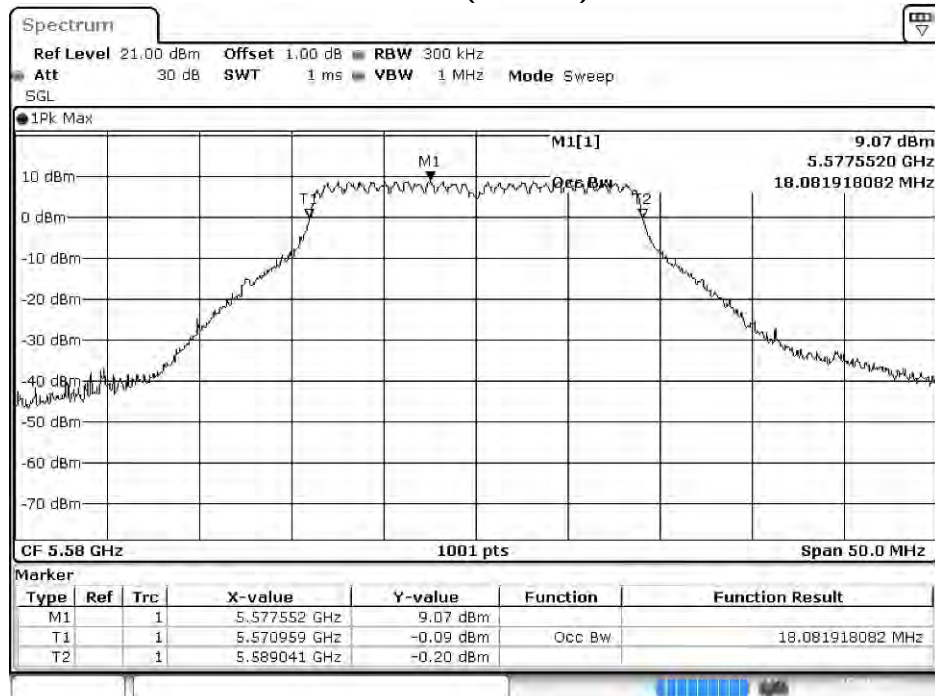
Date: 15.AUG.2019 21:56:30

## Channel 116 (Chain A)



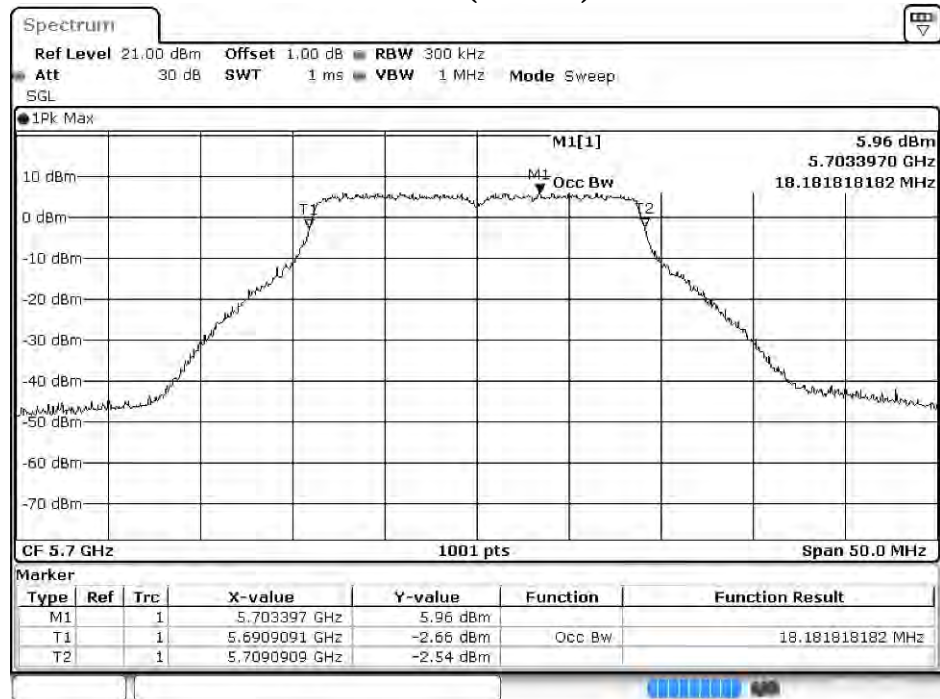
Date: 15.AUG.2019 20:01:46

## Channel 116 (Chain B)



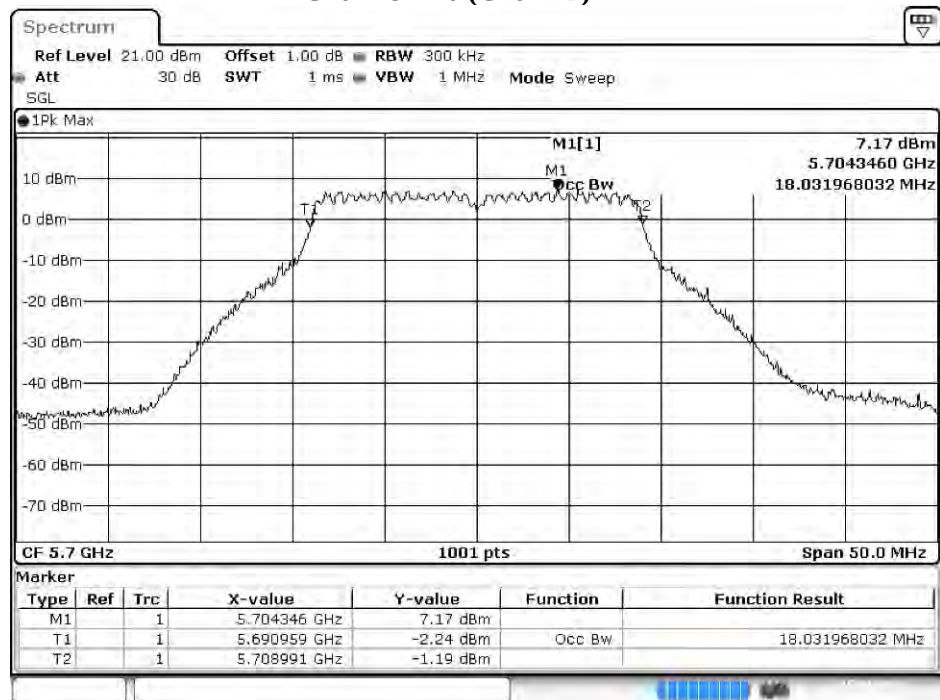
Date: 15.AUG.2019 21:57:15

## Channel 140 (Chain A)



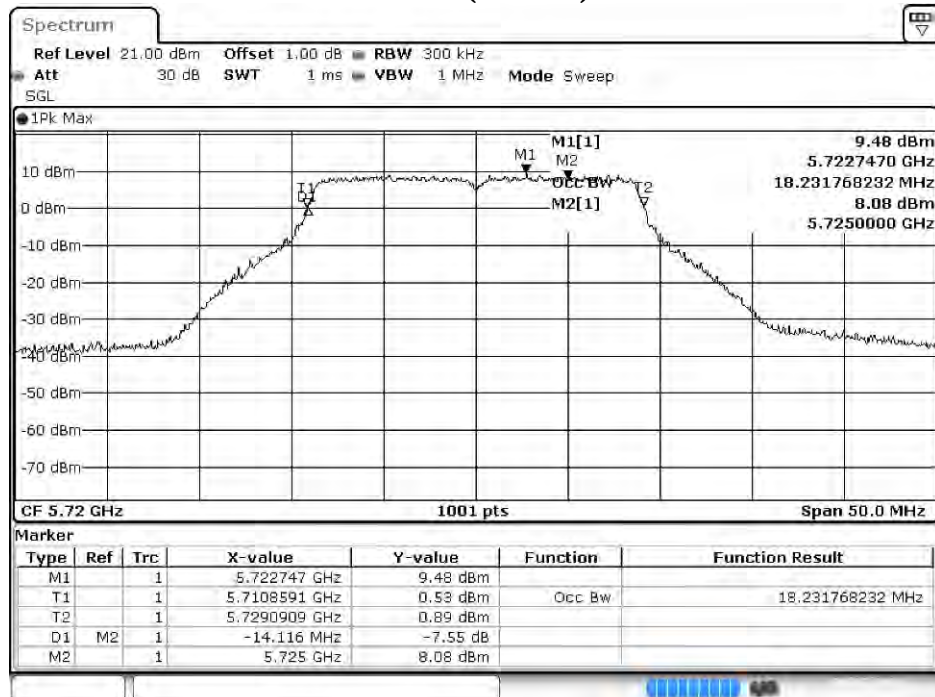
Date: 15.AUG.2019 20:05:25

## Channel 140 (Chain B)



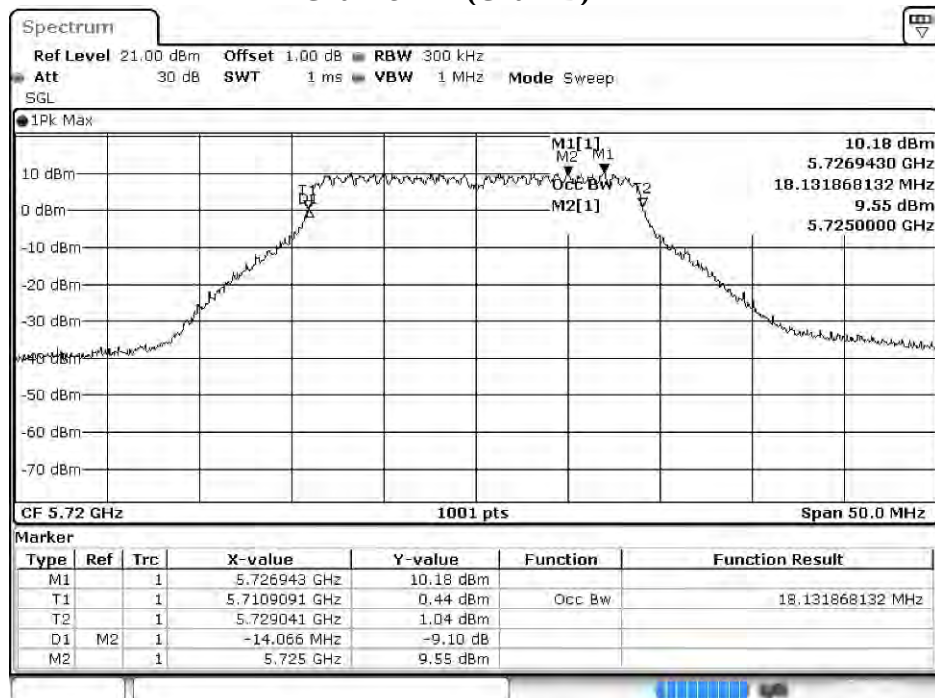
Date: 15.AUG.2019 22:00:54

## Channel 144 (Chain A)

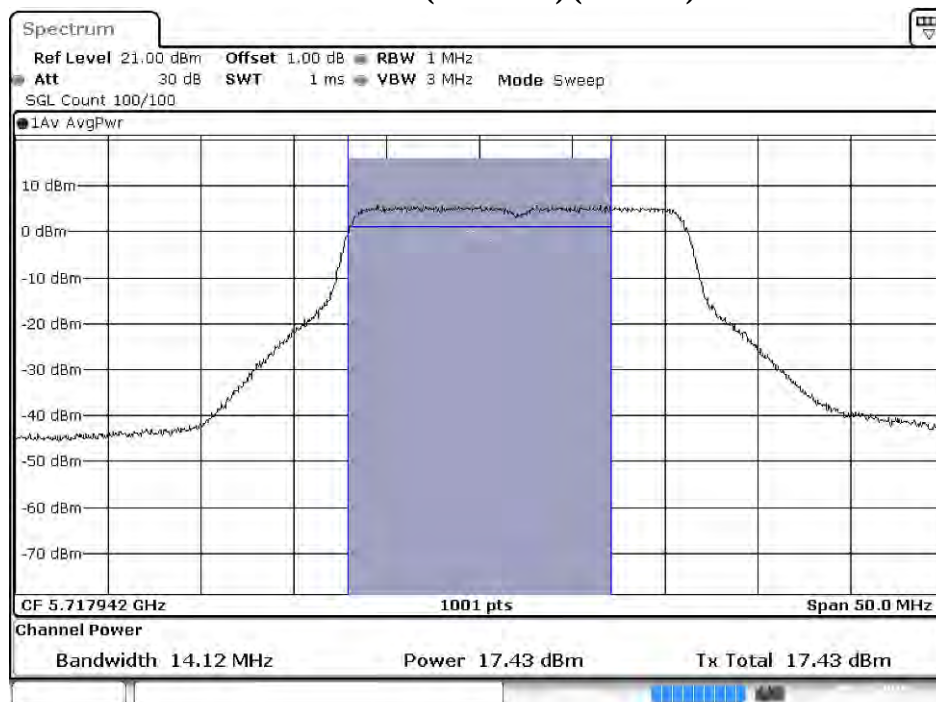


Date: 15.AUG.2019 17:45:43

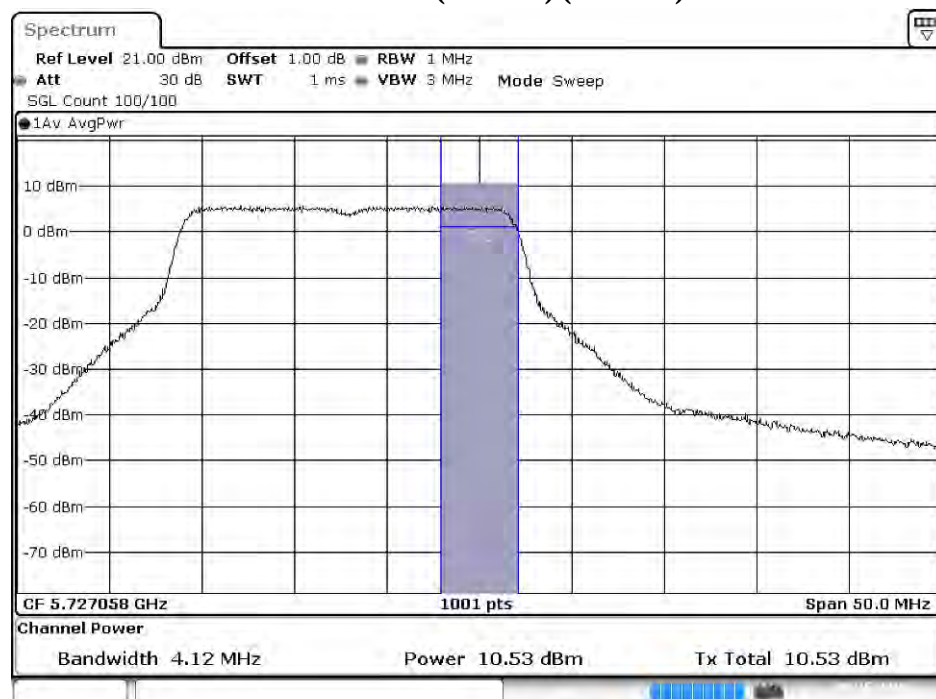
## Channel 144 (Chain B)



Date: 15.AUG.2019 19:41:11

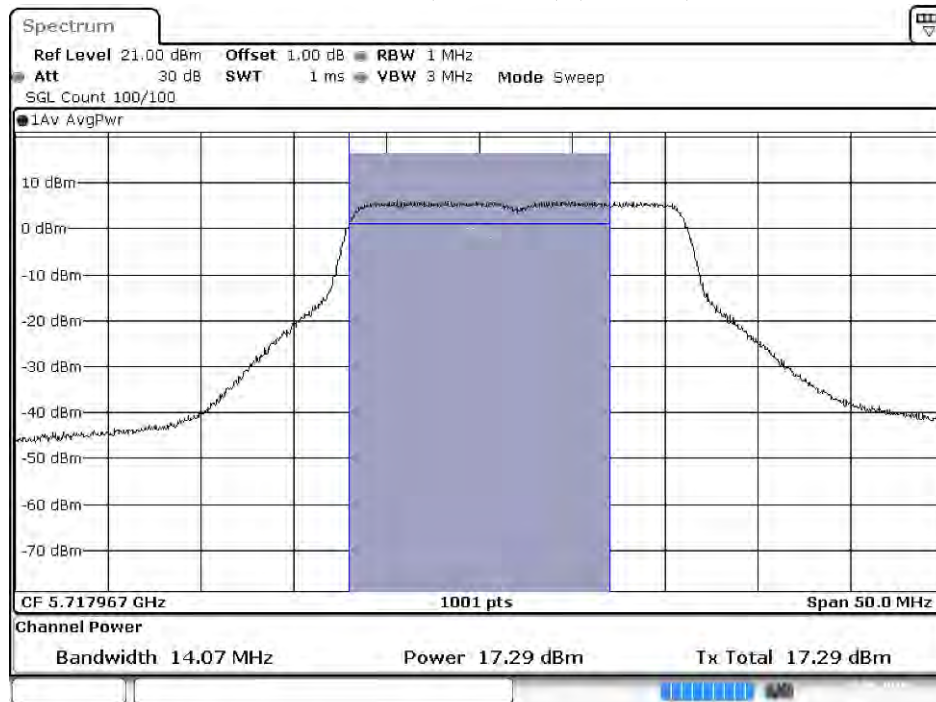
**Maximum conducted output power:****Channel 144 (U-NII-2C) (Chain A)**

Date: 15.AUG.2019 17:46:07

**Maximum conducted output power:****Channel 144 (U-NII-3) (Chain A)**

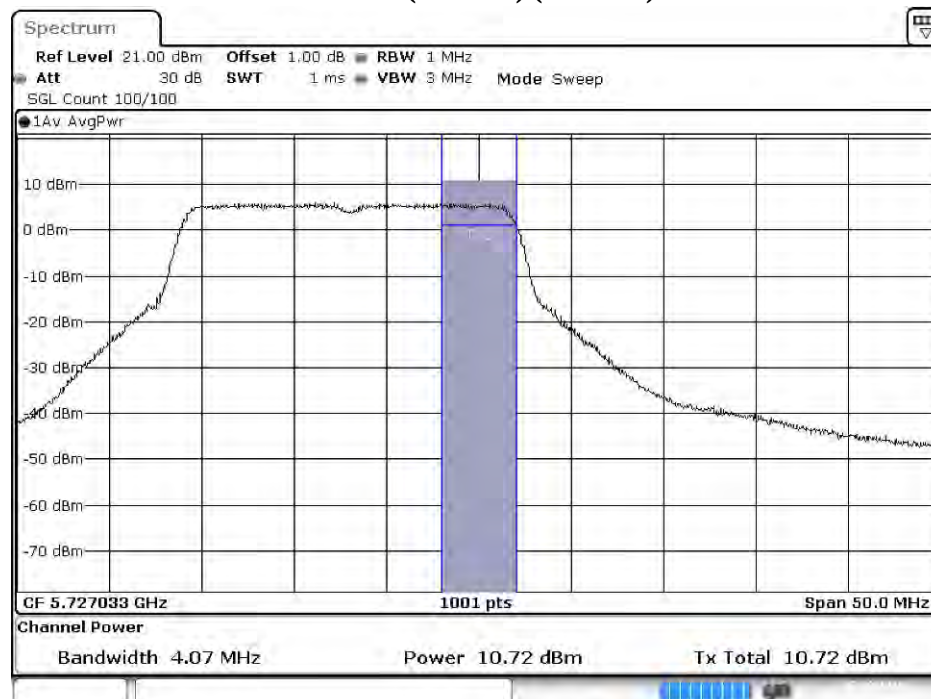
Date: 15.AUG.2019 17:46:29

**Maximum conducted output power:**  
**Channel 144 (U-NII-2C) (Chain B)**



Date: 15.AUG.2019 19:41:36

**Maximum conducted output power:**  
**Channel 144 (U-NII-3) (Chain B)**



Date: 15.AUG.2019 19:42:00

Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/15  
 Test Mode : Mode 20 MIMO: Transmit (802.11n-40BW\_30Mbps)

**Chain A**

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 30                             | 60    | 90    | 120   | 180   | 240   | 270   | 300   |
| 38               | 5190            | 15.51                          | --    | --    | --    | --    | --    | --    | --    |
| 46               | 5230            | 17.81                          | 17.76 | 17.70 | 17.66 | 17.62 | 17.57 | 17.53 | 17.49 |
| 54               | 5270            | 17.89                          | --    | --    | --    | --    | --    | --    | --    |
| 62               | 5310            | 14.47                          | 13.39 | 13.34 | 13.28 | 13.22 | 13.16 | 13.09 | 13.04 |
| 102              | 5510            | 15.09                          | --    | --    | --    | --    | --    | --    | --    |
| 110              | 5550            | 18.21                          | 14.88 | 14.83 | 14.79 | 14.74 | 14.69 | 14.63 | 14.58 |
| 134              | 5670            | 17.81                          | --    | --    | --    | --    | --    | --    | --    |
| 142(U-NII-2C)    | 5710            | 18.96                          | 18.90 | 18.85 | 18.82 | 18.77 | 18.72 | 18.68 | 18.63 |
| 142(U-NII-3)     | 5710            | 7.39                           | 7.33  | 7.26  | 7.20  | 7.16  | 7.11  | 7.06  | 7.03  |
| 151              | 5755            | 18.02                          | --    | --    | --    | --    | --    | --    | --    |
| 159              | 5795            | 17.79                          | 13.87 | 13.82 | 13.77 | 13.73 | 13.68 | 13.62 | 13.57 |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Chain B**

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |
|                  |                 | 30                             | 60    | 90    | 120   | 180   | 240   | 270   | 300   |
| 38               | 5190            | 15.86                          | --    | --    | --    | --    | --    | --    | --    |
| 46               | 5230            | 18.05                          | 18.01 | 17.96 | 17.93 | 17.88 | 17.84 | 17.78 | 17.71 |
| 54               | 5270            | 17.90                          | --    | --    | --    | --    | --    | --    | --    |
| 62               | 5310            | 14.26                          | 13.32 | 13.27 | 13.21 | 13.25 | 13.21 | 13.16 | 13.11 |
| 102              | 5510            | 15.17                          | --    | --    | --    | --    | --    | --    | --    |
| 110              | 5550            | 18.36                          | 14.91 | 14.87 | 14.83 | 14.77 | 14.72 | 14.67 | 14.62 |
| 134              | 5670            | 17.82                          | --    | --    | --    | --    | --    | --    | --    |
| 142(U-NII-2C)    | 5710            | 18.59                          | 18.54 | 18.47 | 18.42 | 18.36 | 18.30 | 18.26 | 18.20 |
| 142(U-NII-3)     | 5710            | 7.38                           | 7.34  | 7.30  | 7.24  | 7.19  | 7.15  | 7.10  | 7.06  |
| 151              | 5755            | 17.91                          | --    | --    | --    | --    | --    | --    | --    |
| 159              | 5795            | 18.02                          | 13.95 | 13.89 | 13.85 | 13.81 | 13.75 | 13.71 | 13.67 |

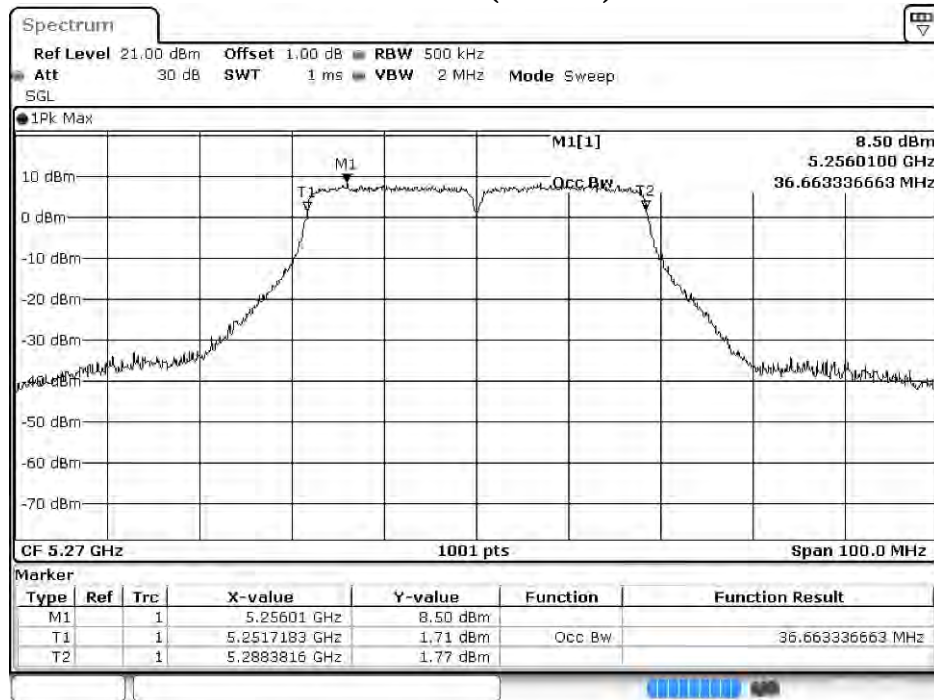
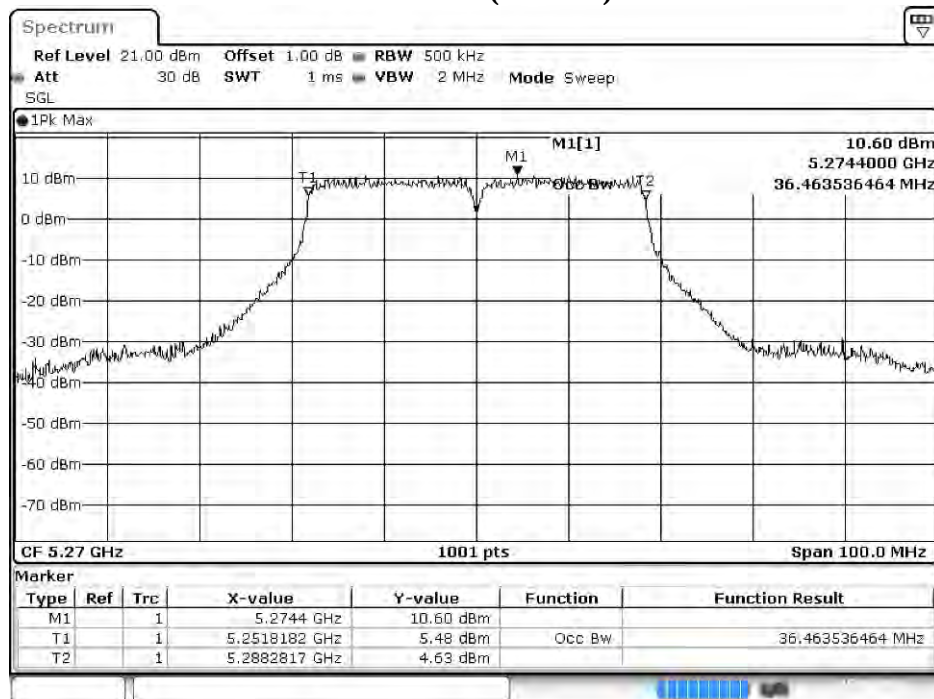
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

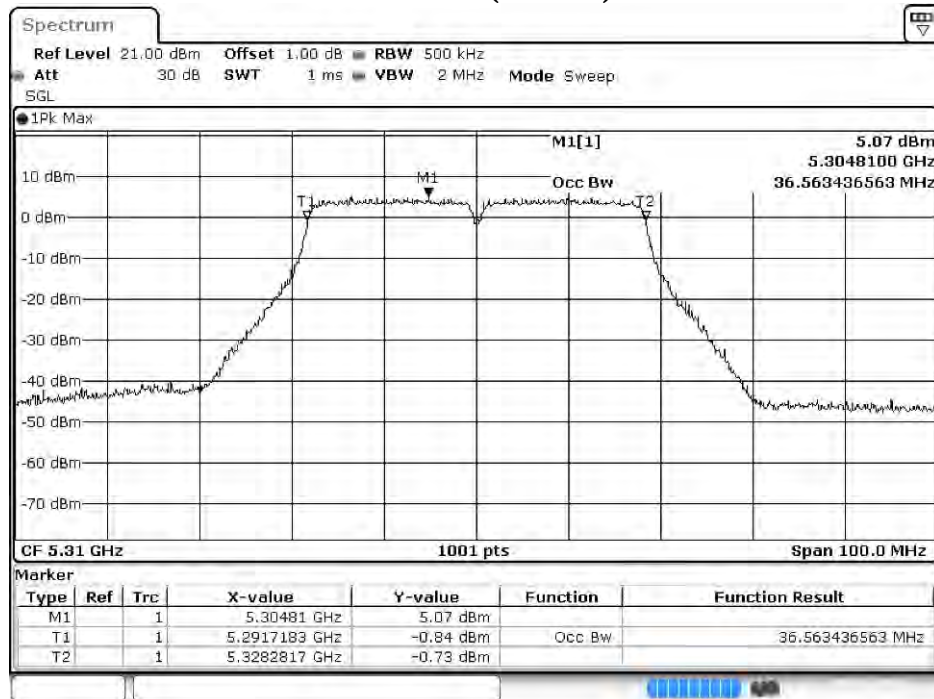
| Channel No    | Frequency Range<br>(MHz) | 99% Bandwidth<br>(MHz) | Chain A Power<br>(dBm) | Chain B Power<br>(dBm) | Output Power<br>(dBm) | Output Power Limit |               | Result |
|---------------|--------------------------|------------------------|------------------------|------------------------|-----------------------|--------------------|---------------|--------|
|               |                          |                        |                        |                        |                       | (dBm)              | dBm+10log(BW) |        |
| 38            | 5190                     | --                     | 15.51                  | 15.86                  | 18.70                 | 24                 | --            | Pass   |
| 46            | 5230                     | --                     | 17.81                  | 18.05                  | 20.94                 | 24                 | --            | Pass   |
| 54            | 5270                     | 36.464                 | 17.89                  | 17.90                  | 20.91                 | 24                 | 26.62         | Pass   |
| 62            | 5310                     | 36.364                 | 14.47                  | 14.26                  | 17.38                 | 24                 | 26.61         | Pass   |
| 102           | 5510                     | 36.464                 | 15.09                  | 15.17                  | 18.14                 | 24                 | 26.62         | Pass   |
| 110           | 5550                     | 36.464                 | 18.21                  | 18.36                  | 21.30                 | 24                 | 26.62         | Pass   |
| 134           | 5670                     | 36.364                 | 17.81                  | 17.82                  | 20.83                 | 24                 | 26.61         | Pass   |
| 142(U-NII-2C) | 5710                     | 33.230                 | 18.96                  | 18.59                  | 21.79                 | 24                 | 26.22         | Pass   |
| 142(U-NII-3)  | 5710                     | --                     | 7.39                   | 7.38                   | 10.40                 | 30                 | --            | Pass   |
| 151           | 5755                     | --                     | 18.02                  | 17.91                  | 20.98                 | 30                 | --            | Pass   |
| 159           | 5795                     | --                     | 17.79                  | 18.02                  | 20.92                 | 30                 | --            | Pass   |

Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

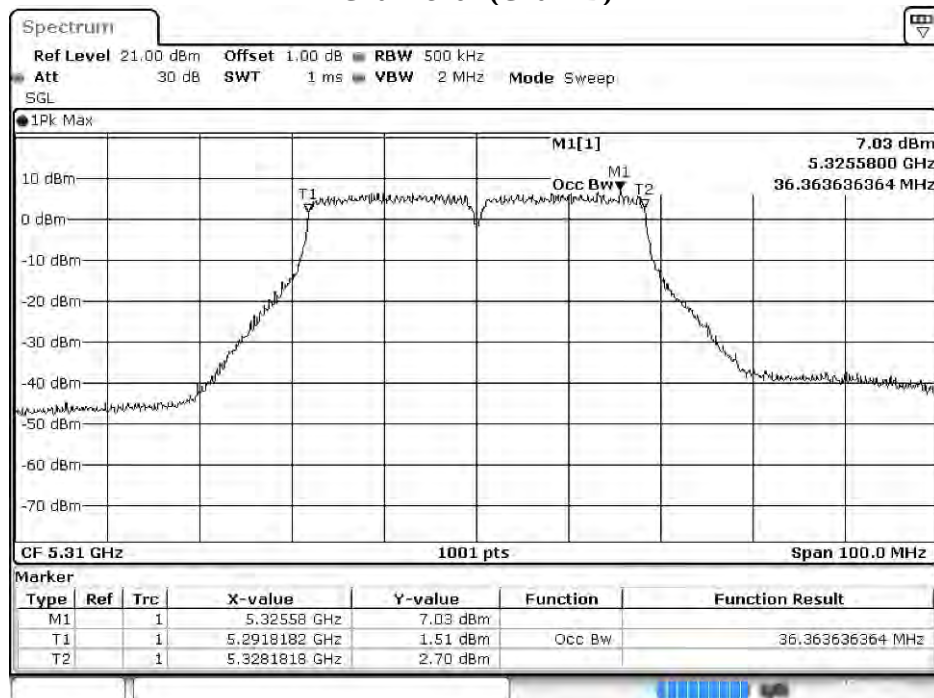
**99% Occupied Bandwidth:****Channel 54 (Chain A)****Channel 54 (Chain B)**

## Channel 62 (Chain A)



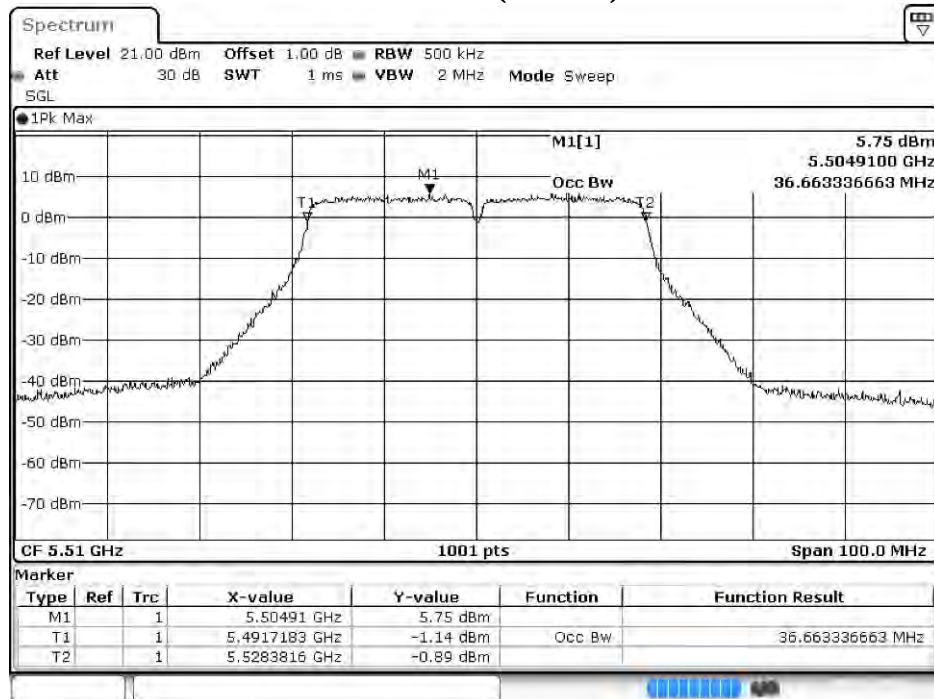
Date: 15.AUG.2019 20:09:23

## Channel 62 (Chain B)



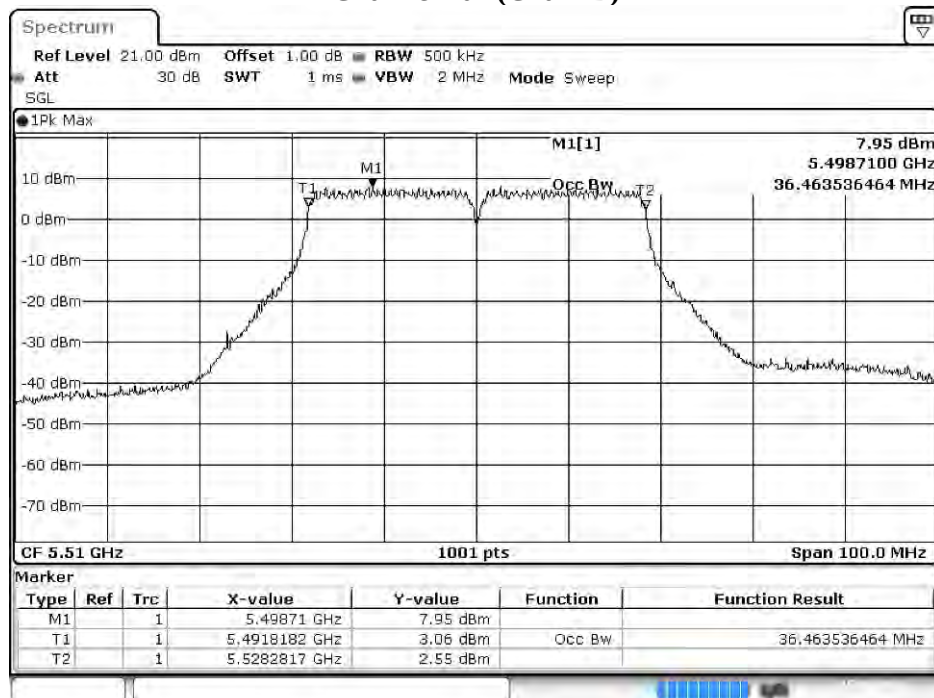
Date: 15.AUG.2019 22:04:51

## Channel 102 (Chain A)



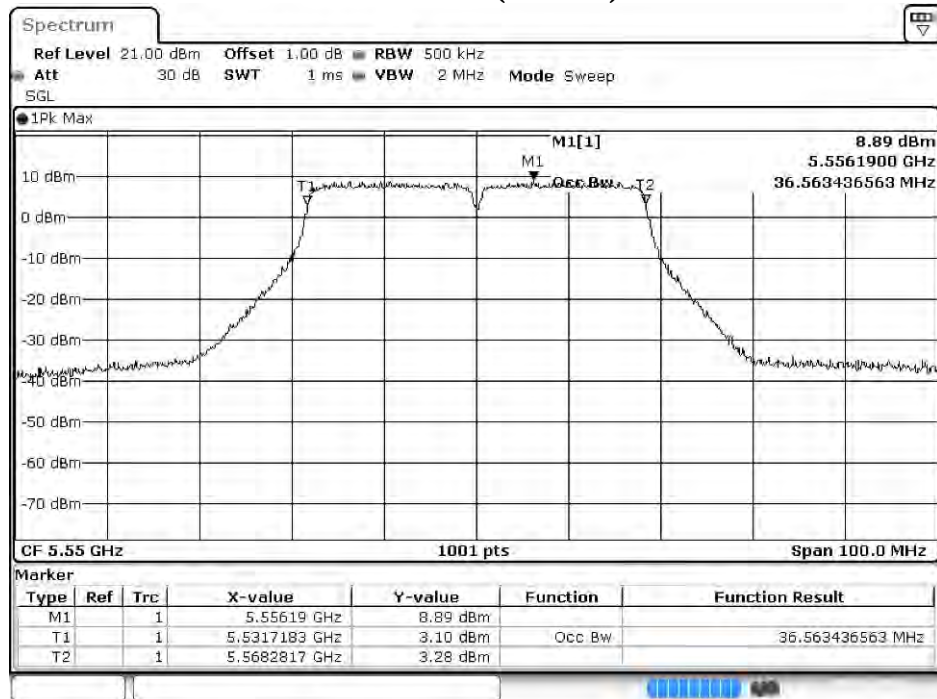
Date: 15.AUG.2019 20:11:19

## Channel 102 (Chain B)



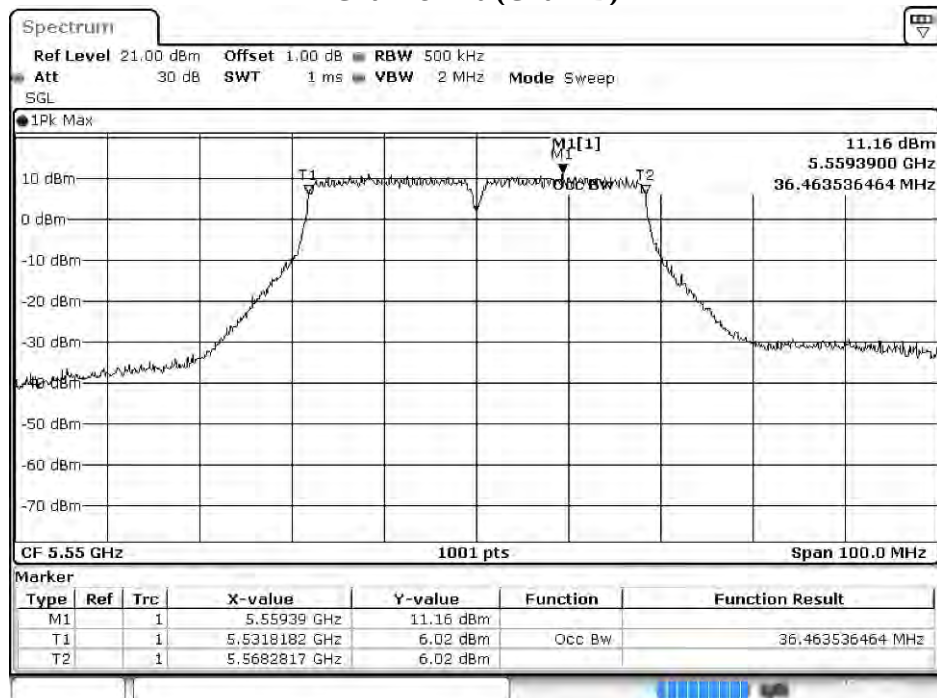
Date: 15.AUG.2019 22:06:48

## Channel 110 (Chain A)



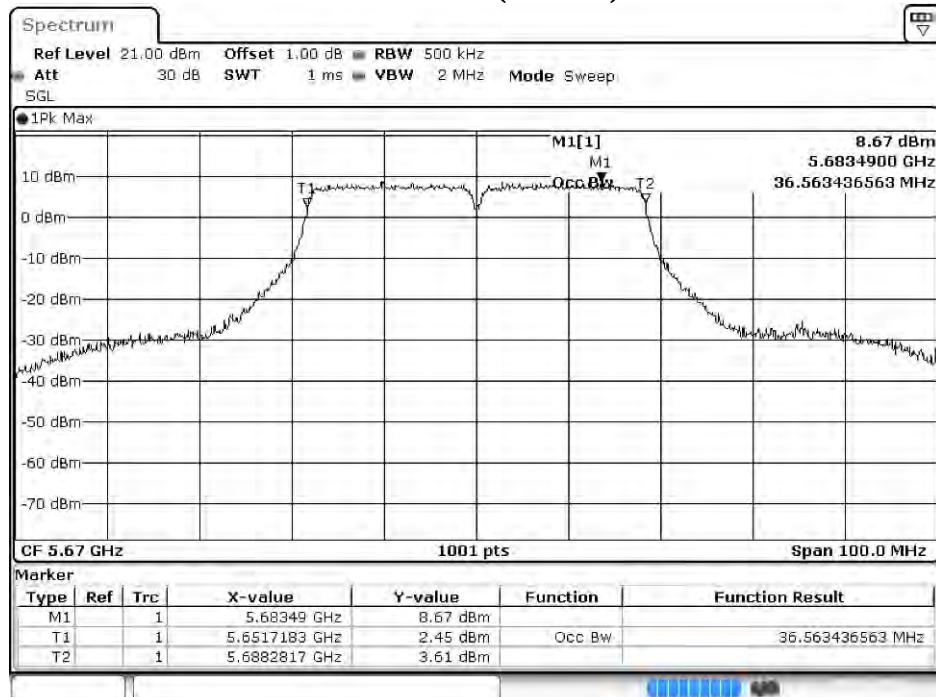
Date: 15.AUG.2019 20:12:17

## Channel 110 (Chain B)



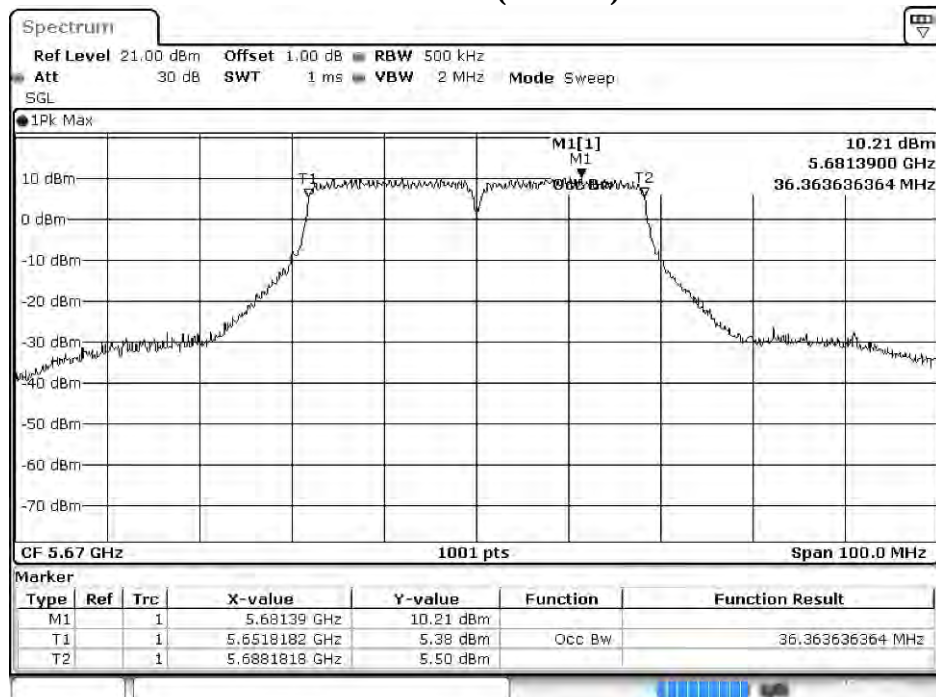
Date: 15.AUG.2019 22:07:45

## Channel 134 (Chain A)



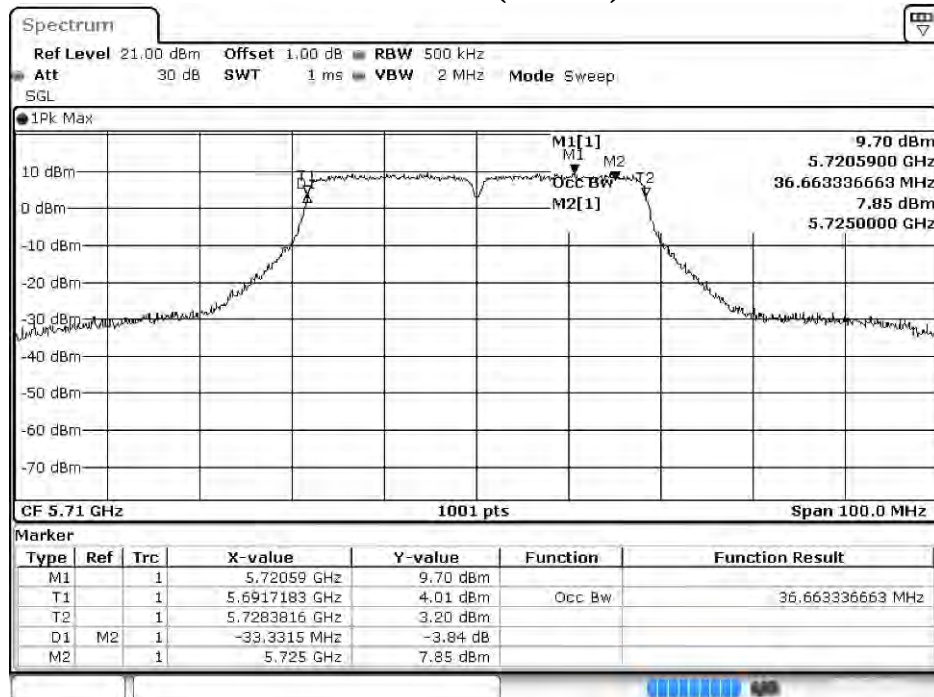
Date: 15.AUG.2019 20:15:24

## Channel 134 (Chain B)



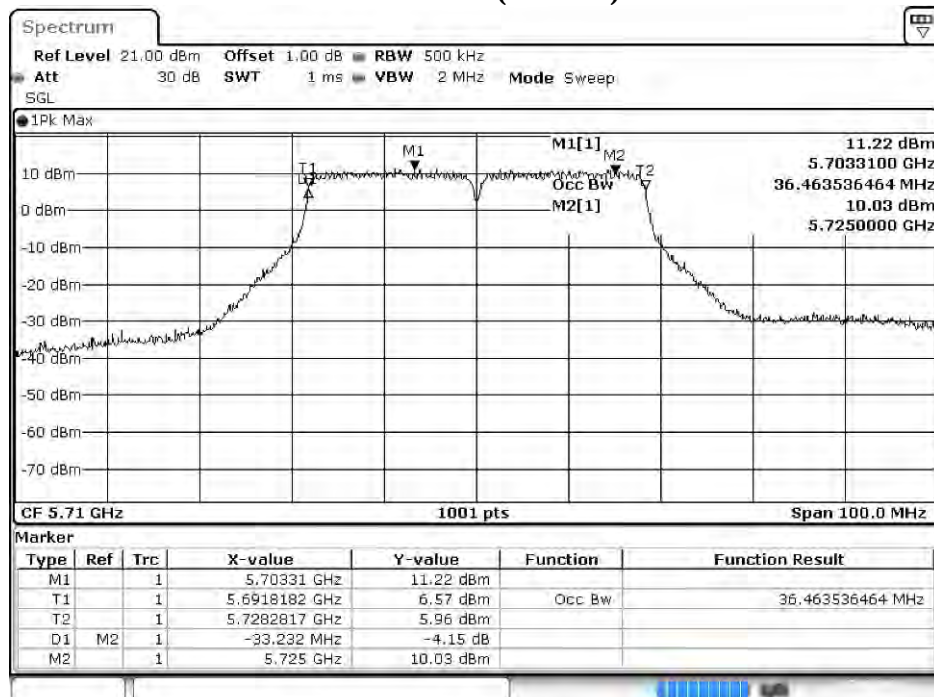
Date: 15.AUG.2019 22:10:52

## Channel 142 (Chain A)



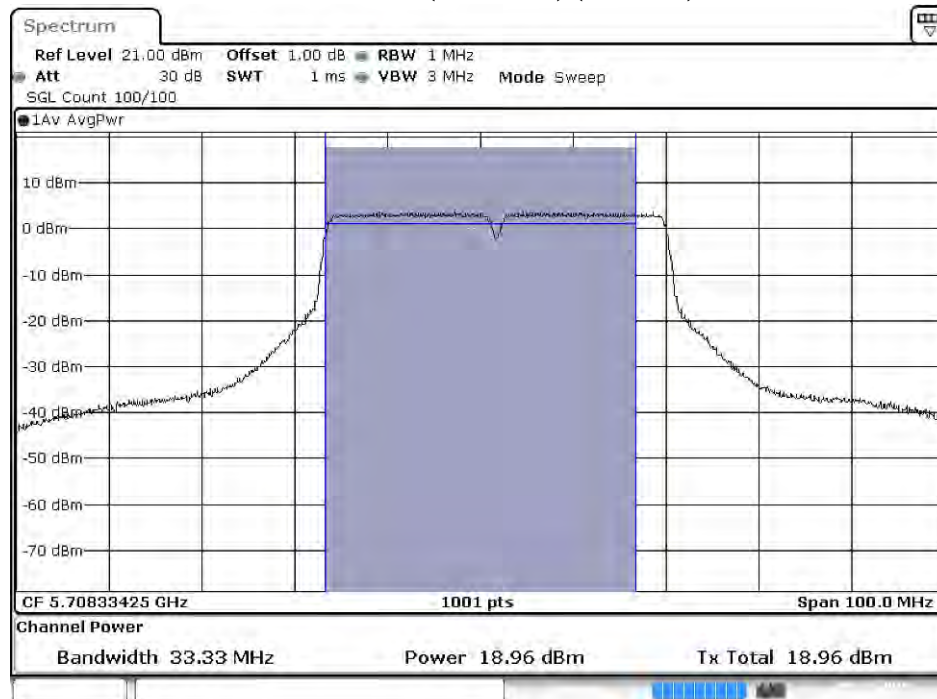
Date: 15.AUG.2019 17:48:11

## Channel 142 (Chain B)



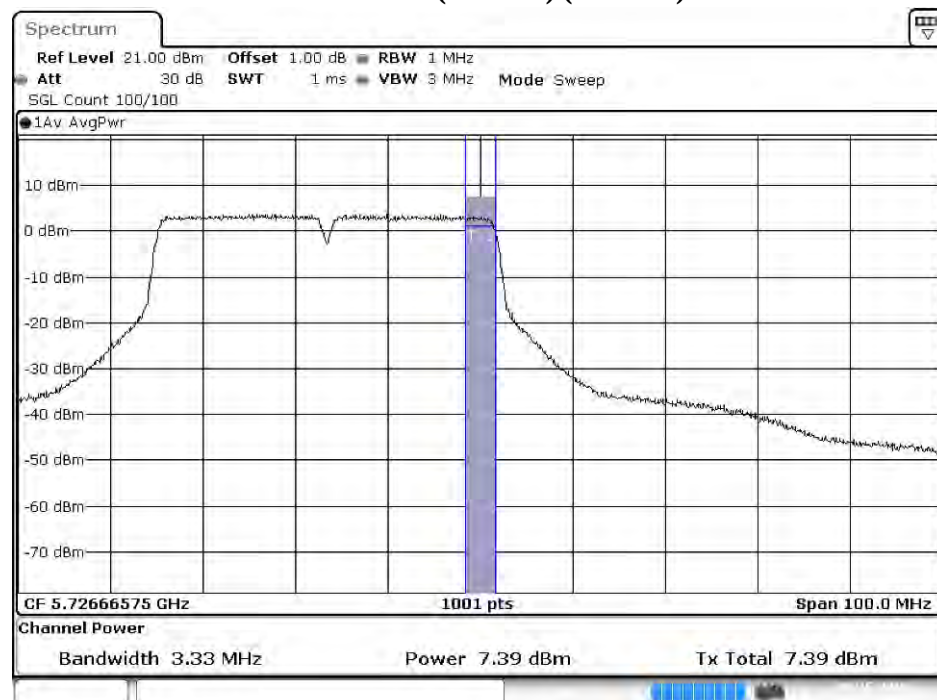
Date: 15.AUG.2019 19:43:40

**Maximum conducted output power:**  
**Channel 142 (U-NII-2C) (Chain A)**

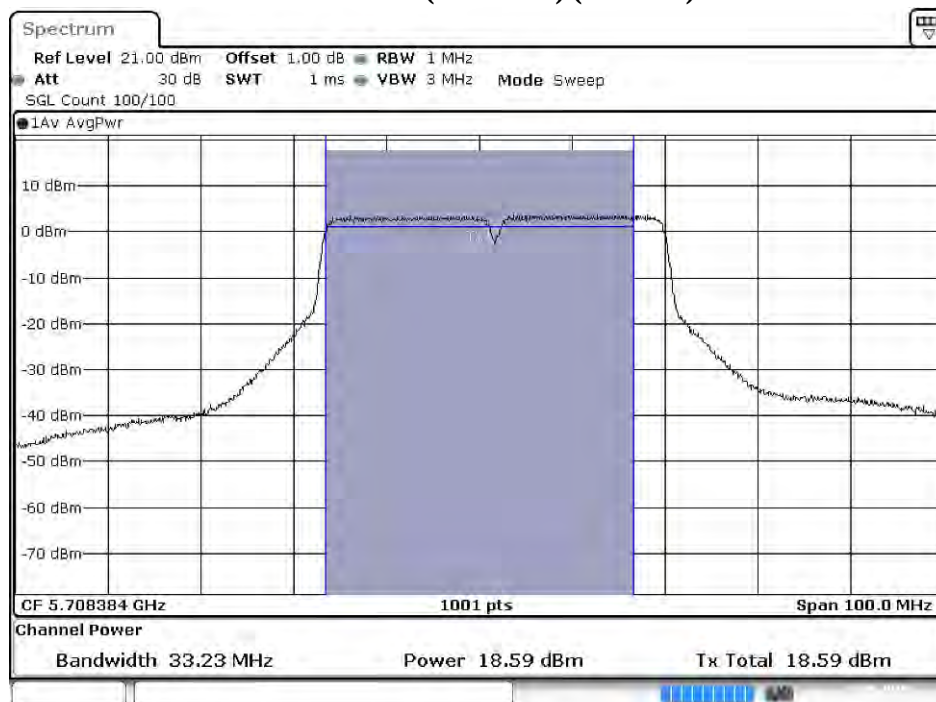


Date: 15.AUG.2019 17:48:36

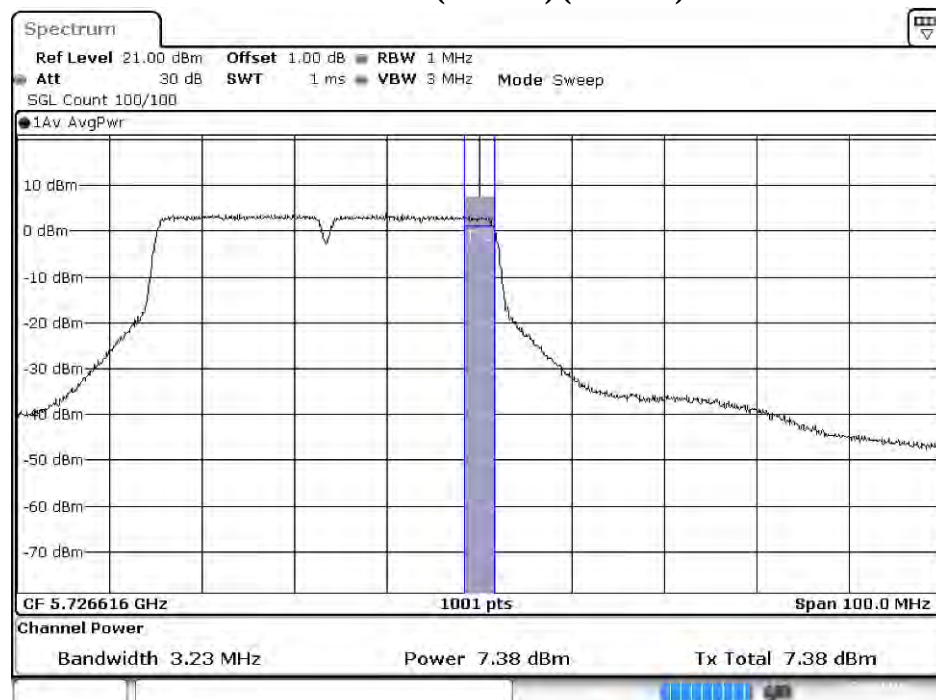
**Maximum conducted output power:**  
**Channel 142 (U-NII-3) (Chain A)**



Date: 15.AUG.2019 17:48:58

**Maximum conducted output power:****Channel 142 (U-NII-2C) (Chain B)**

Date: 15.AUG.2019 19:44:05

**Maximum conducted output power:****Channel 142 (U-NII-3) (Chain B)**

Date: 15.AUG.2019 19:44:27

Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/15  
 Test Mode : Mode 21 MIMO: Transmit (802.11ac-80BW\_65Mbps)

**Chain A**

| Cable loss=1.0dB |                    | Maximum conducted output power |       |       |       |       |       |       |       |       |       |
|------------------|--------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No       | Frequency<br>(MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |       |       |
|                  |                    | 65                             | 130   | 1965  | 260   | 390   | 520   | 585   | 650   | 780   | 866.7 |
| 42               | 5210               | 16.40                          | 16.34 | 16.28 | 16.23 | 16.17 | 16.12 | 16.05 | 16.01 | 15.97 | 15.92 |
| 58               | 5290               | 14.50                          | 14.45 | 14.42 | 14.35 | 14.30 | 14.25 | 14.20 | 14.14 | 14.10 | 14.04 |
| 106              | 5530               | 15.96                          | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 122              | 5610               | 18.12                          | 18.06 | 18.02 | 17.96 | 17.92 | 17.86 | 17.82 | 17.77 | 17.72 | 17.66 |
| 138 (U-NII-2C)   | 5690               | 18.29                          | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 138 (U-NII-3)    | 5690               | 0.23                           | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 155              | 5775               | 16.40                          | 16.37 | 16.34 | 16.30 | 16.24 | 16.20 | 16.16 | 16.12 | 16.07 | 16.03 |

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

**Chain B**

| Cable loss=1.0dB |                    | Maximum conducted output power |       |       |       |       |       |       |       |       |       |
|------------------|--------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No       | Frequency<br>(MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |       |       |
|                  |                    | 65                             | 130   | 1965  | 260   | 390   | 520   | 585   | 650   | 780   | 866.7 |
| 42               | 5210               | 15.96                          | 15.90 | 15.86 | 15.81 | 15.75 | 15.71 | 15.64 | 15.60 | 15.56 | 15.52 |
| 58               | 5290               | 14.74                          | 14.68 | 14.64 | 14.59 | 14.54 | 14.49 | 14.45 | 14.41 | 14.37 | 14.32 |
| 106              | 5530               | 15.96                          | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 122              | 5610               | 18.17                          | 18.13 | 18.06 | 18.01 | 17.94 | 17.90 | 17.84 | 17.79 | 17.76 | 17.72 |
| 138 (U-NII-2C)   | 5690               | 18.88                          | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 138 (U-NII-3)    | 5690               | 0.83                           | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 155              | 5775               | 16.56                          | 16.53 | 16.49 | 16.45 | 16.41 | 16.38 | 16.33 | 16.27 | 16.21 | 16.17 |

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

**Maximum conducted output power Measurement:**

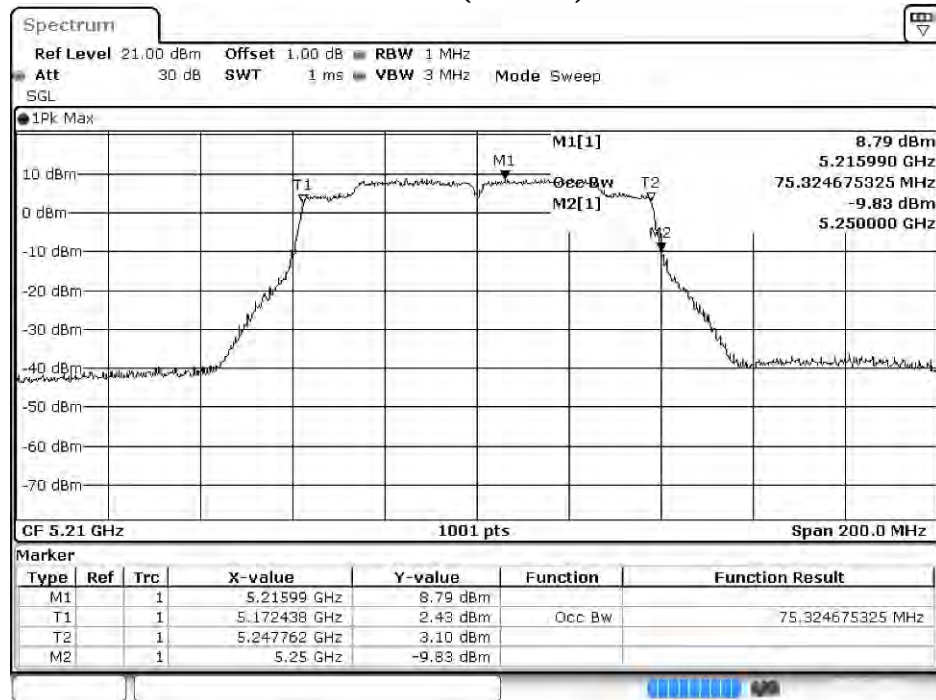
| Channel No     | Frequency Range<br>(MHz) | 99% Bandwidth<br>(MHz) | Chain A Power<br>(dBm) | Chain B Power<br>(dBm) | Output Power<br>(dBm) | Output Power Limit |               | Result |
|----------------|--------------------------|------------------------|------------------------|------------------------|-----------------------|--------------------|---------------|--------|
|                |                          |                        |                        |                        |                       | (dBm)              | dBm+10log(BW) |        |
| 42             | 5210                     | --                     | 16.40                  | 15.96                  | 19.20                 | 24                 | --            | Pass   |
| 58             | 5290                     | 74.920                 | 14.50                  | 14.74                  | 17.63                 | 24                 | 29.75         | Pass   |
| 106            | 5530                     | 74.920                 | 15.96                  | 15.96                  | 18.97                 | 24                 | 29.75         | Pass   |
| 122            | 5610                     | 74.920                 | 18.12                  | 18.17                  | 21.16                 | 24                 | 29.75         | Pass   |
| 138 (U-NII-2C) | 5690                     | 72.460                 | 18.29                  | 18.88                  | 21.61                 | 24                 | 29.60         | Pass   |
| 138 (U-NII-3)  | 5690                     | --                     | 0.23                   | 0.83                   | 3.55                  | 30                 | --            | Pass   |
| 155            | 5775                     | --                     | 16.40                  | 16.56                  | 19.49                 | 30                 | --            | Pass   |

Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

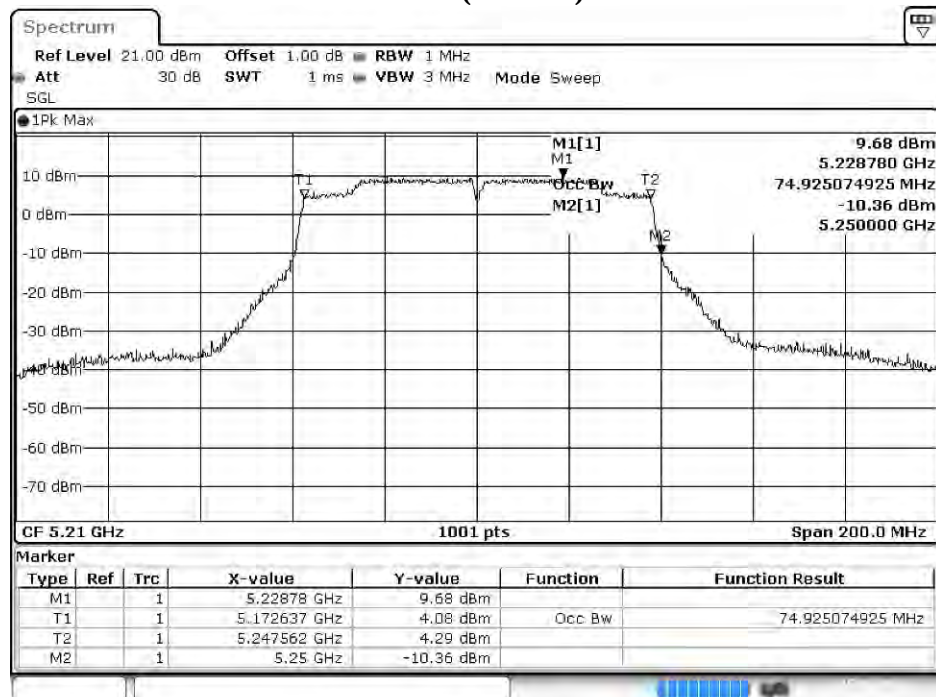
## 99% Occupied Bandwidth:

## Channel 42 (Chain A)



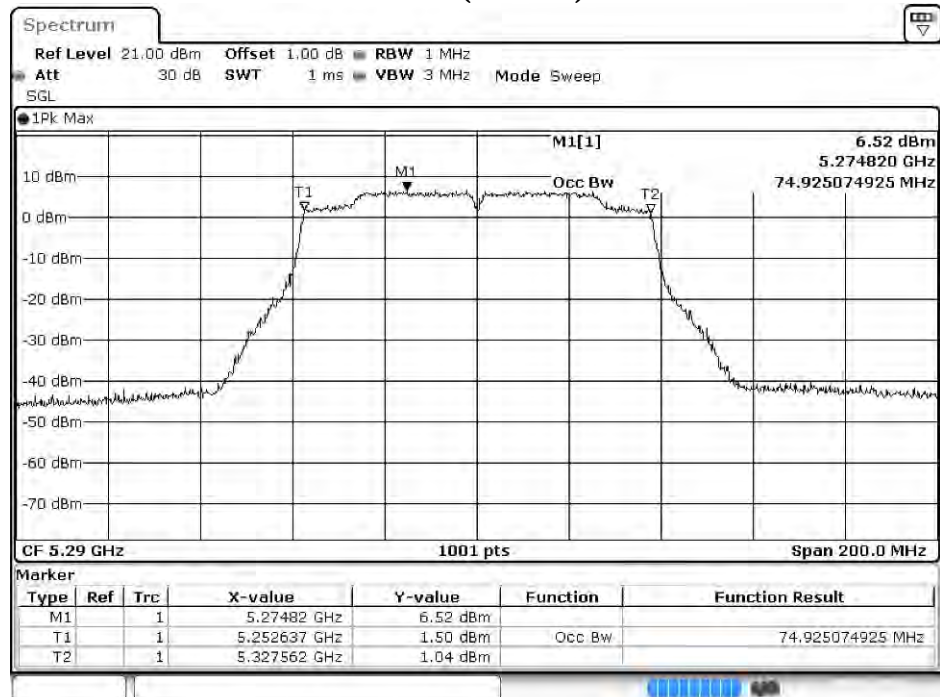
Date: 15.AUG.2019 17:50:19

## Channel 42 (Chain B)



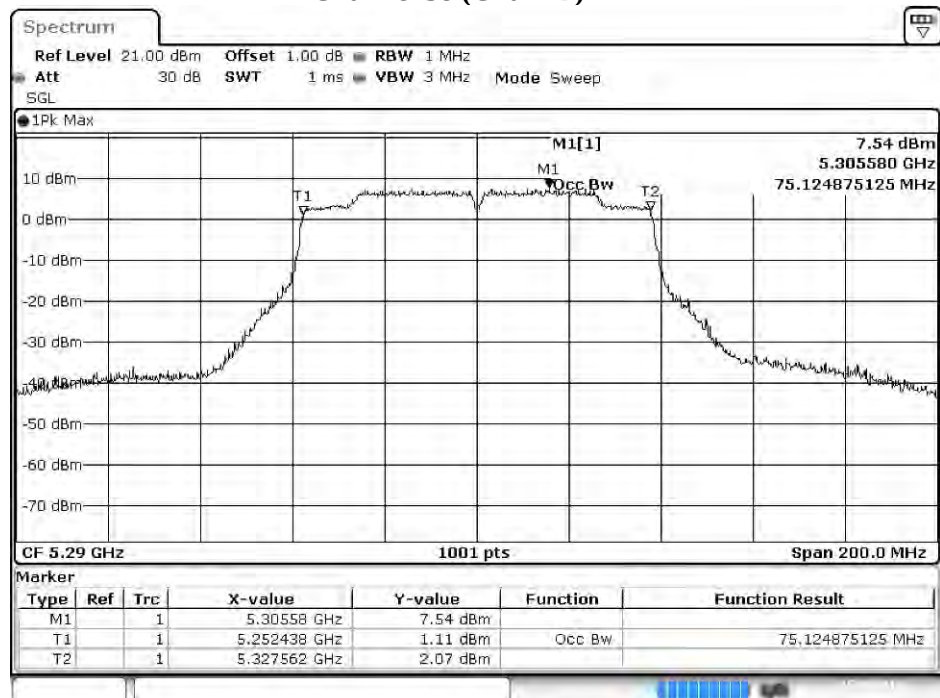
Date: 15.AUG.2019 19:45:47

## Channel 58 (Chain A)



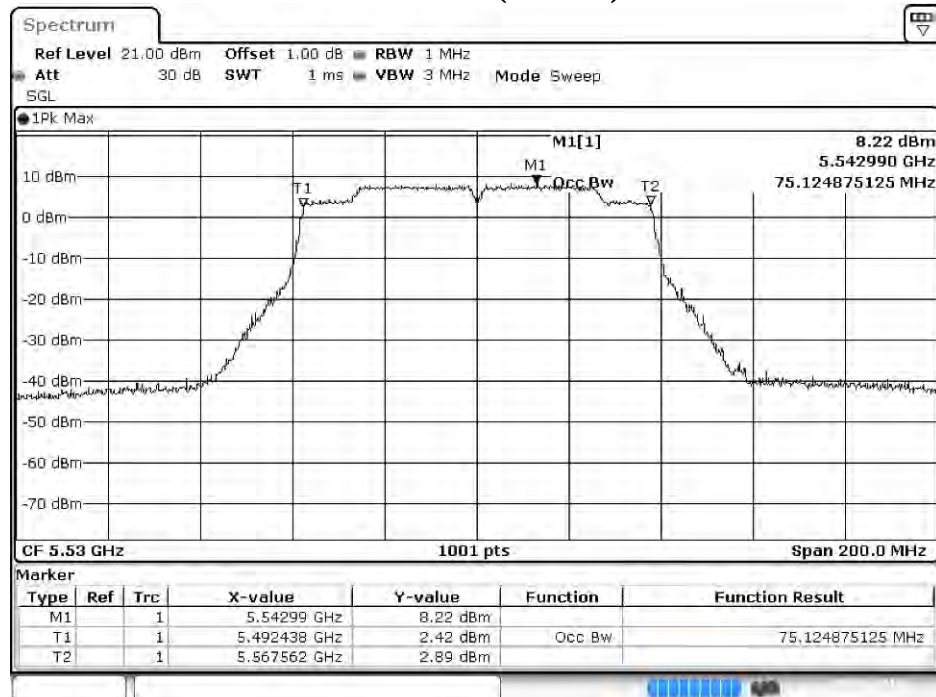
Date: 15.AUG.2019 17:53:22

## Channel 58 (Chain B)



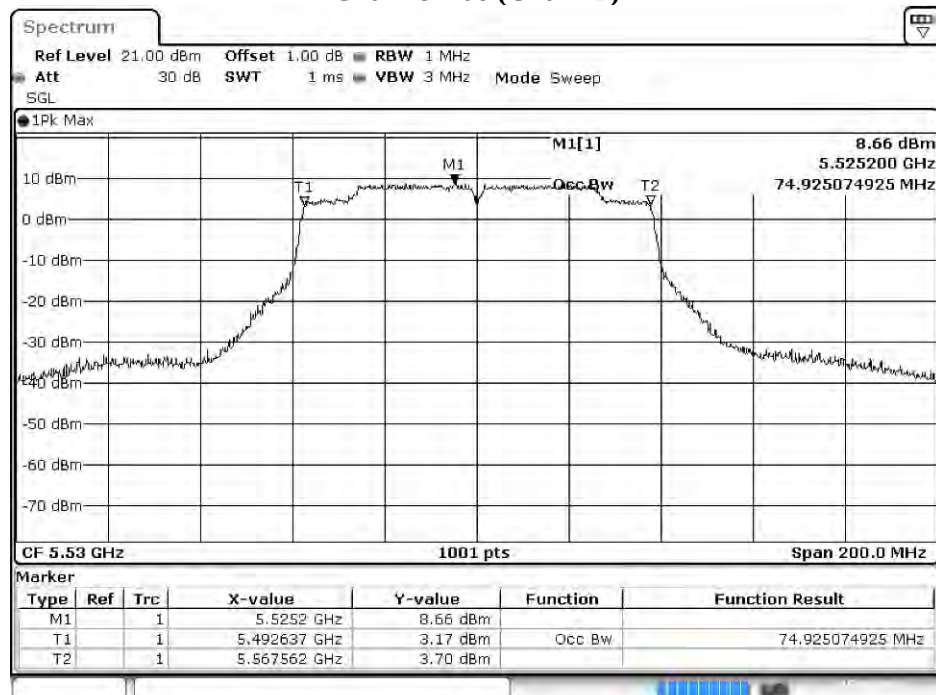
Date: 15.AUG.2019 19:48:51

## Channel 106 (Chain A)



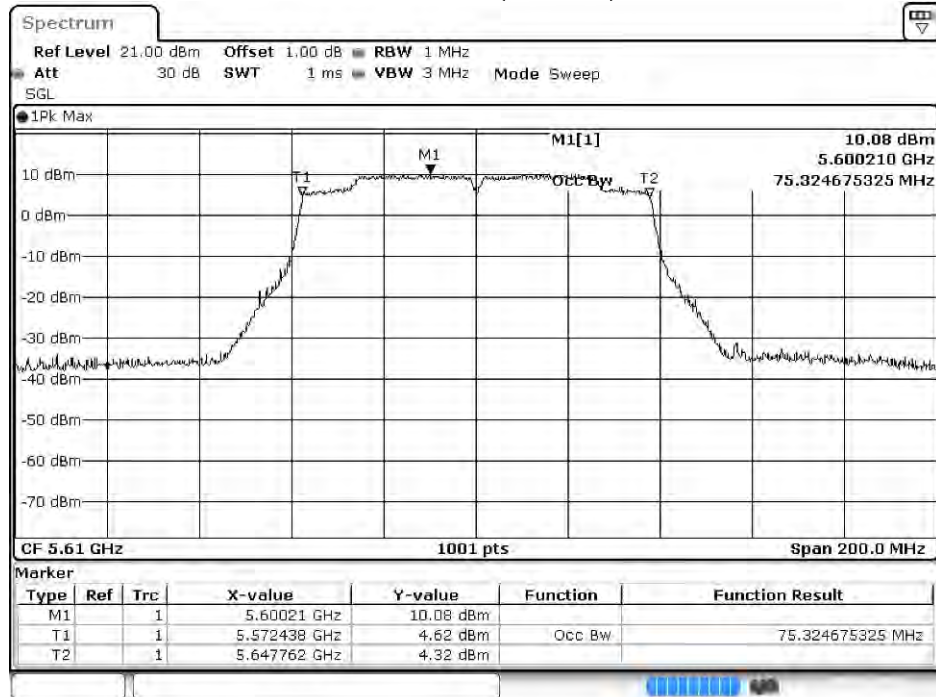
Date: 15.AUG.2019 19:44:28

## Channel 106 (Chain B)



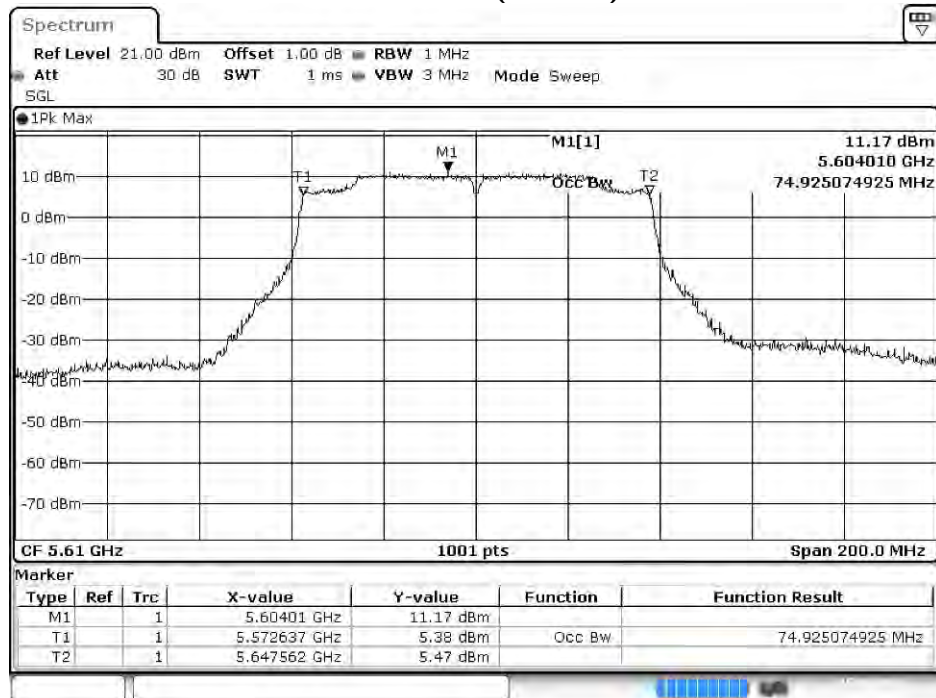
Date: 15.AUG.2019 21:39:57

## Channel 122 (Chain A)



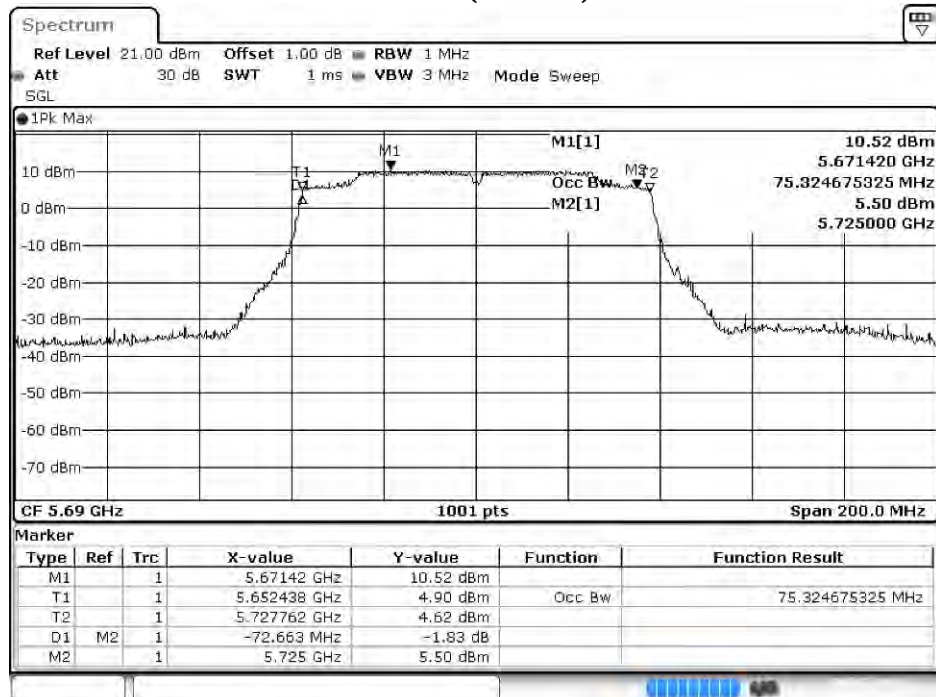
Date: 15.AUG.2019 19:45:36

## Channel 122 (Chain B)



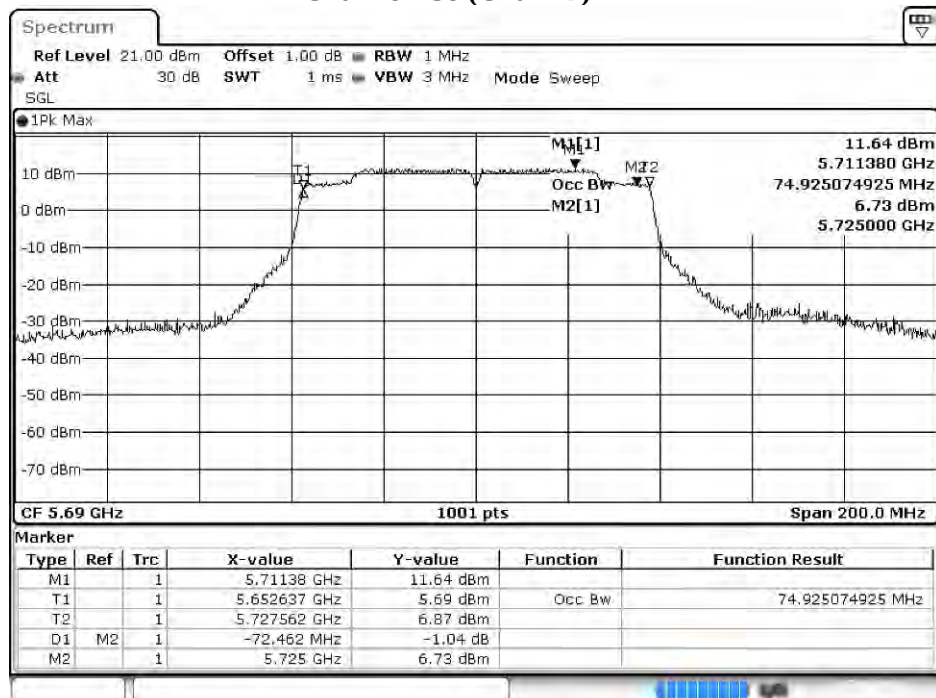
Date: 15.AUG.2019 21:41:04

## Channel 138 (Chain A)



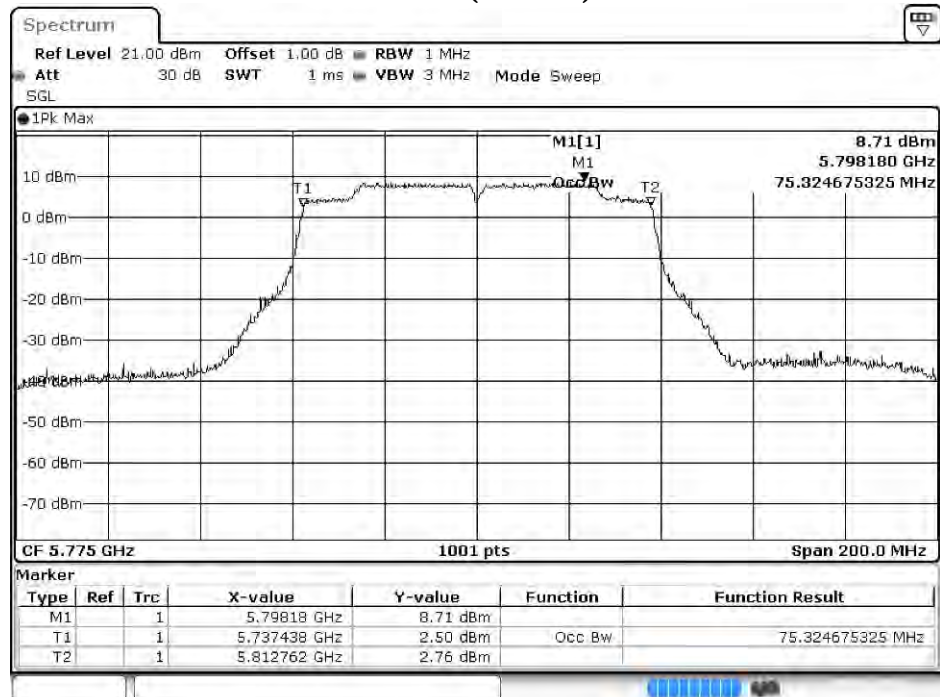
Date: 15.AUG.2019 19:47:00

## Channel 138 (Chain B)



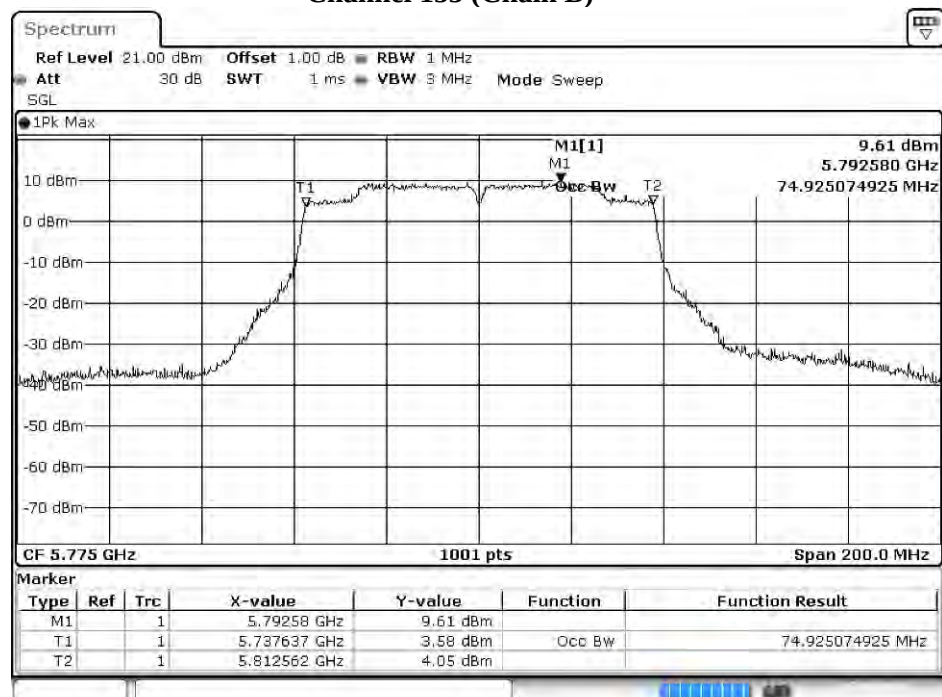
Date: 15.AUG.2019 21:42:29

## Channel 155 (Chain A)



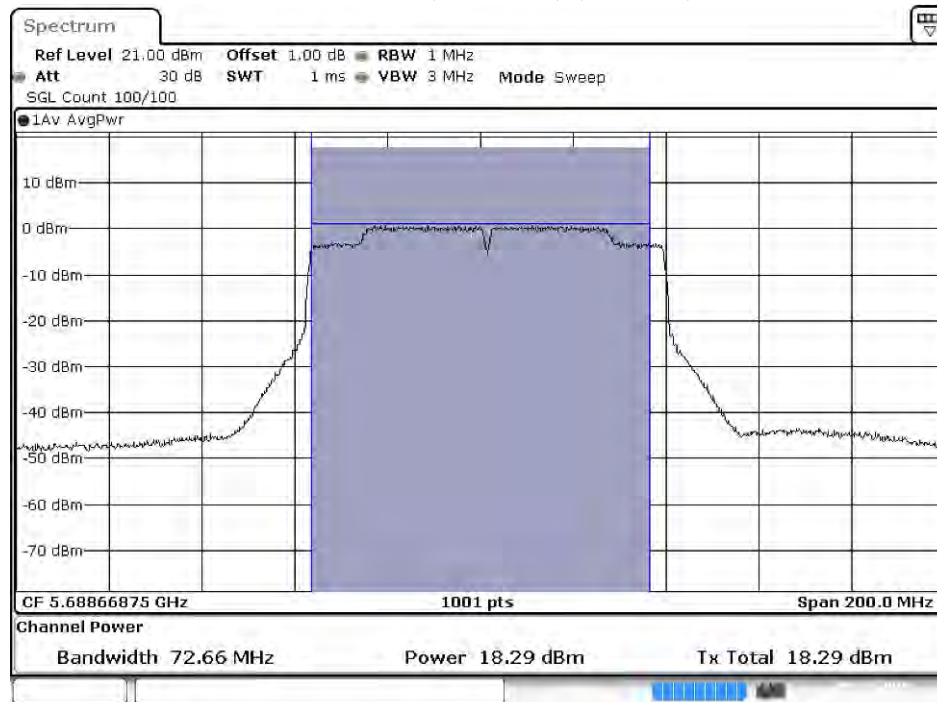
Date: 15.AUG.2019 20:27:04

## Channel 155 (Chain B)



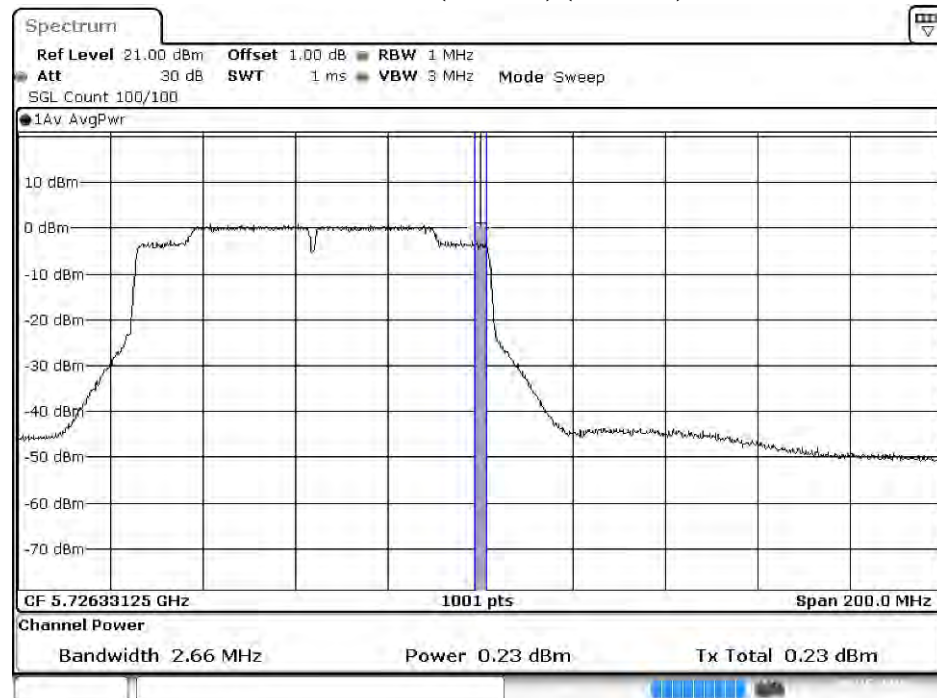
Date: 15.AUG.2019 22:22:32

**Maximum conducted output power:**  
**Channel 138 (U-NII-2C) (Chain A)**



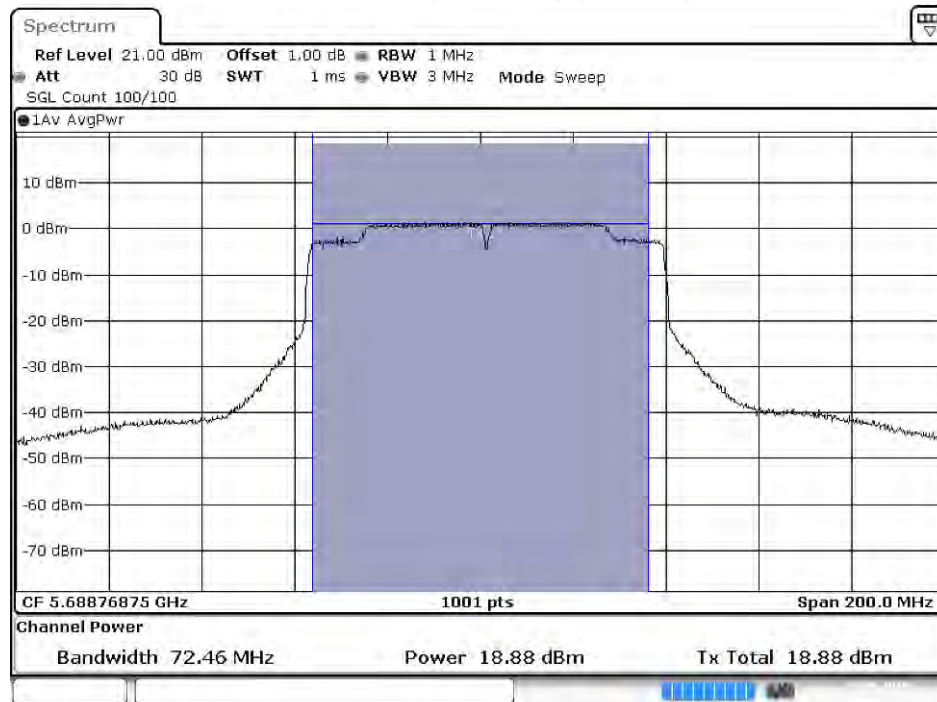
Date: 15.AUG.2019 19:47:25

**Maximum conducted output power:**  
**Channel 138 (U-NII-3) (Chain A)**



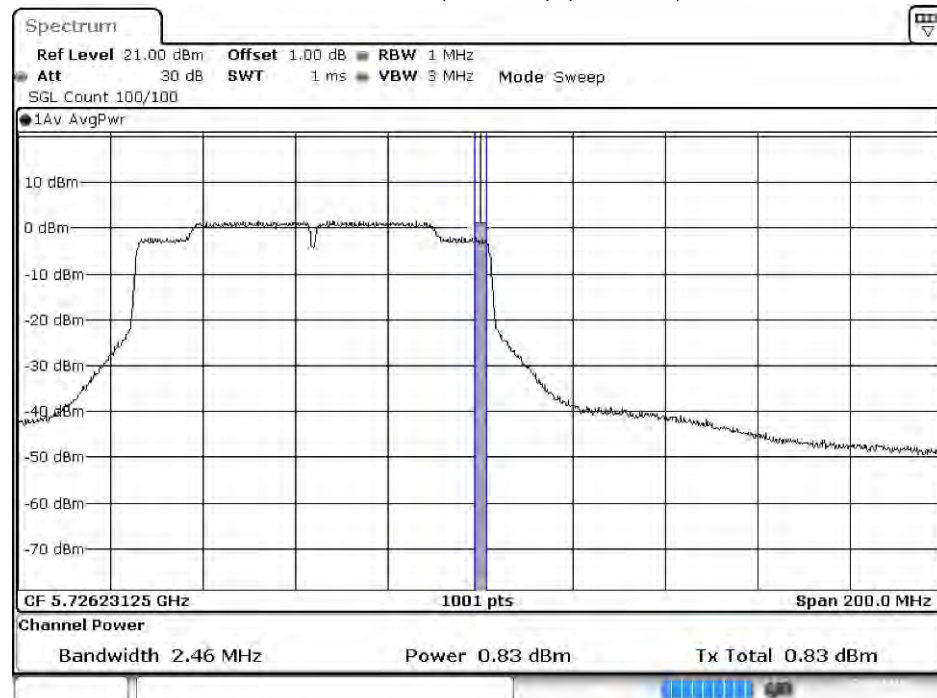
Date: 15.AUG.2019 19:47:47

**Maximum conducted output power:**  
**Channel 138 (U-NII-2C) (Chain B)**



Date: 15.AUG.2019 21:42:54

**Maximum conducted output power:**  
**Channel 138 (U-NII-3) (Chain B)**



Date: 15.AUG.2019 21:43:16

Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/15  
 Test Mode : Mode 22 MIMO: Transmit (802.11ac-160BW\_130Mbps)

**Chain A**

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |       |        |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Channel No       | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |       |        |
|                  |                 | 130                            | 260   | 390   | 520   | 780   | 1040  | 1170  | 1300  | 1560  | 1733.3 |
| 50 (U-NII-1)     | 5250            | 10.10                          | 10.03 | 9.99  | 9.94  | 9.88  | 9.84  | 9.77  | 9.73  | 9.69  | 9.63   |
| 50 (U-NII-2A)    | 5250            | 10.05                          | 10.02 | 9.98  | 9.95  | 9.92  | 9.87  | 9.81  | 9.78  | 9.74  | 9.70   |
| 114              | 5570            | 11.56                          | 11.52 | 11.49 | 11.45 | 11.41 | 11.38 | 11.33 | 11.27 | 11.23 | 11.18  |

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

**Chain B**

| Cable loss=1.0dB |                 | Maximum conducted output power |       |       |       |       |       |       |       |       |        |
|------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Channel No       | Frequency (MHz) | Data Rate (Mbps)               |       |       |       |       |       |       |       |       |        |
|                  |                 | 130                            | 260   | 390   | 520   | 780   | 1040  | 1170  | 1300  | 1560  | 1733.3 |
| 50 (U-NII-1)     | 5250            | 10.15                          | 10.09 | 10.06 | 10.01 | 9.97  | 9.94  | 9.90  | 9.85  | 9.80  | 9.77   |
| 50 (U-NII-2A)    | 5250            | 10.09                          | 10.03 | 9.98  | 9.92  | 9.86  | 9.80  | 9.73  | 9.69  | 9.63  | 9.60   |
| 114              | 5570            | 11.61                          | 11.56 | 11.50 | 11.44 | 11.39 | 11.36 | 11.32 | 11.27 | 11.22 | 11.17  |

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

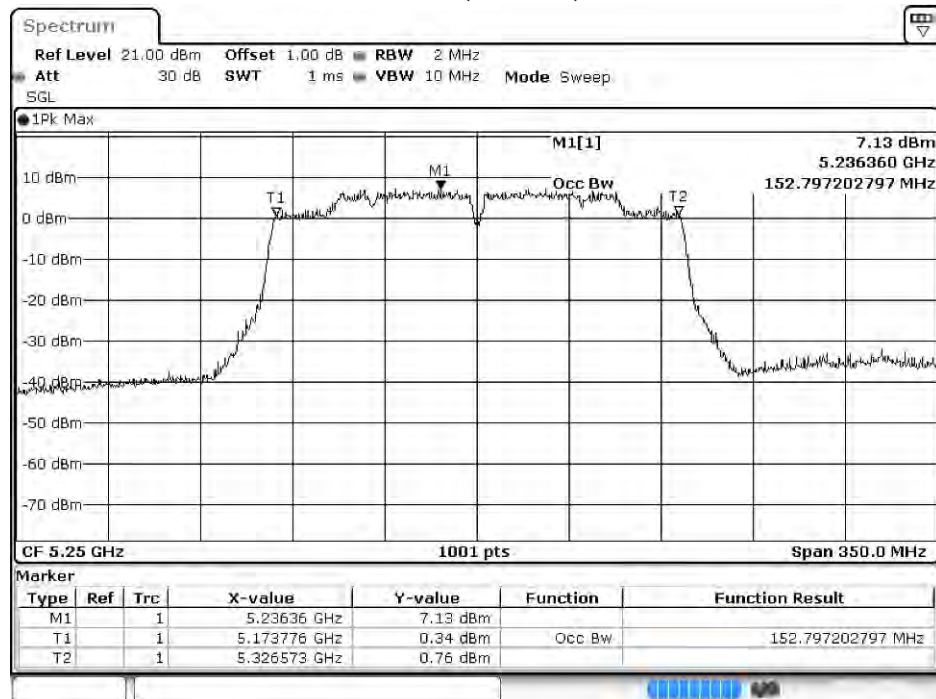
**Maximum conducted output power Measurement:**

| Channel No   | Frequency Range (MHz) | 99% Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Output Power (dBm) | Output Power Limit |               | Result |
|--------------|-----------------------|---------------------|---------------------|---------------------|--------------------|--------------------|---------------|--------|
|              |                       |                     |                     |                     |                    | (dBm)              | dBm+10log(BW) |        |
| 50(U-NII-1)  | 5250                  | --                  | 10.10               | 10.15               | 13.14              | 24                 | --            | Pass   |
| 50(U-NII-2A) | 5250                  | 76.400              | 10.05               | 10.09               | 13.08              | 24                 | 29.83         | Pass   |
| 114          | 5570                  | 153.150             | 11.56               | 11.61               | 14.60              | 24                 | 32.85         | Pass   |

Note:

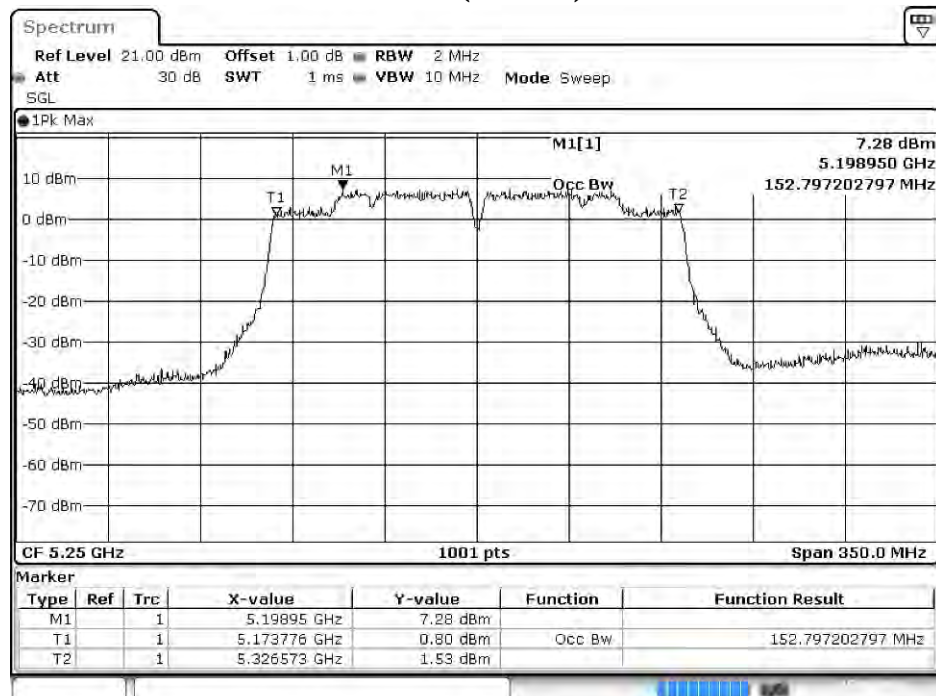
1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

**99% Occupied Bandwidth:  
Channel 50 (Chain A)**



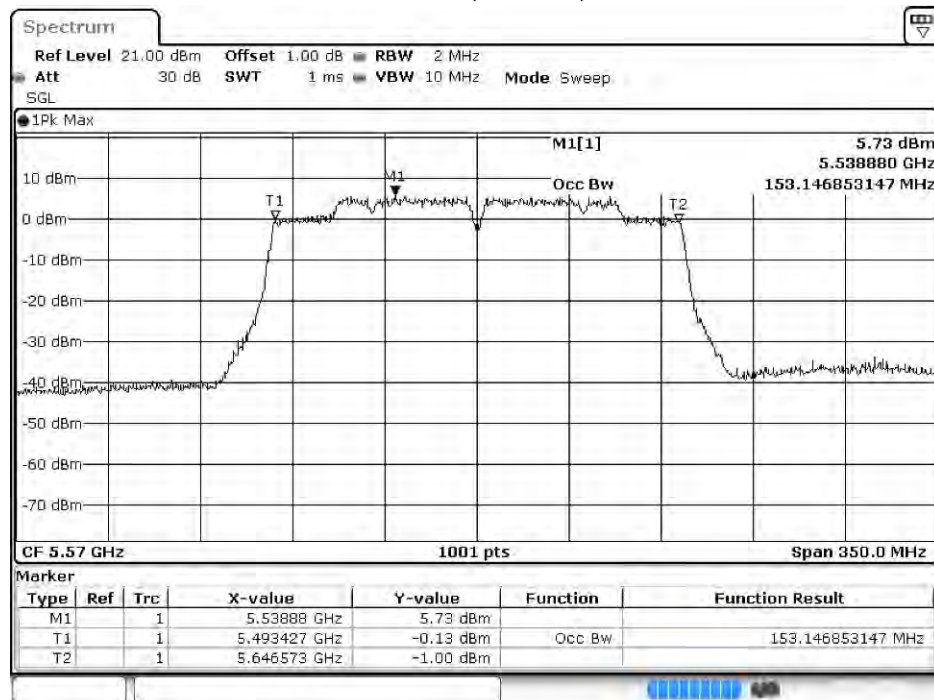
Date: 15.AUG.2019 17:41:43

**Channel 50 (Chain B)**



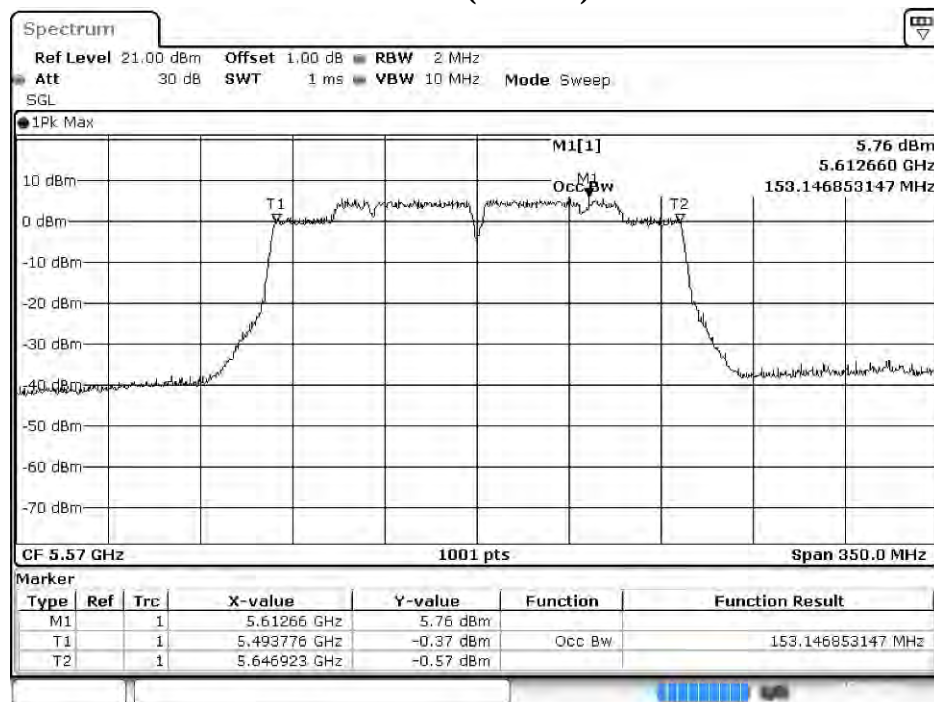
Date: 15.AUG.2019 19:37:11

## Channel 114 (Chain A)

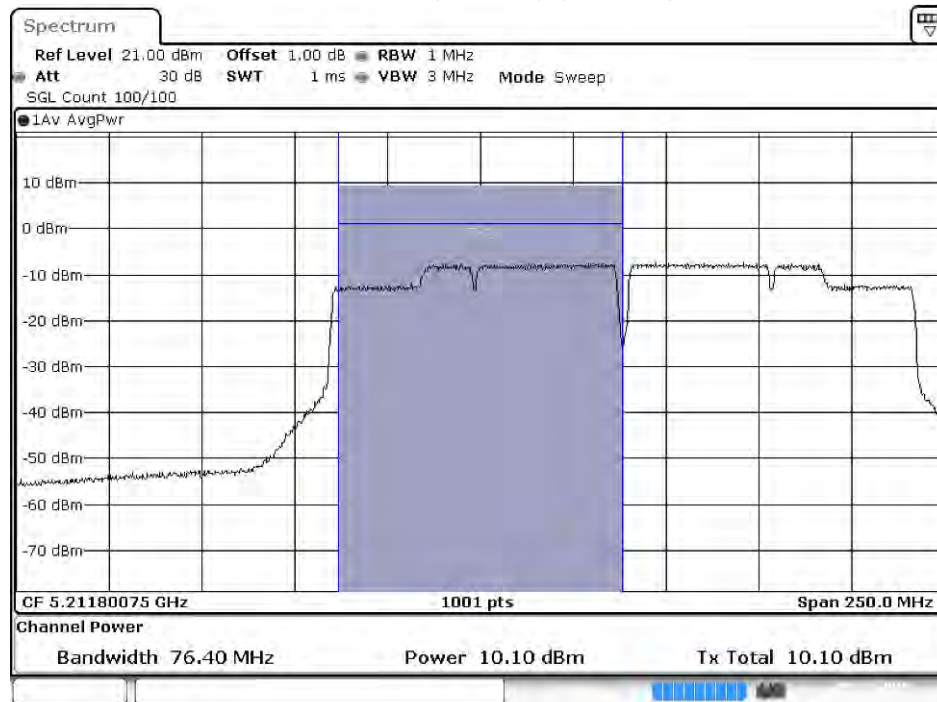


Date: 15.AUG.2019 17:43:19

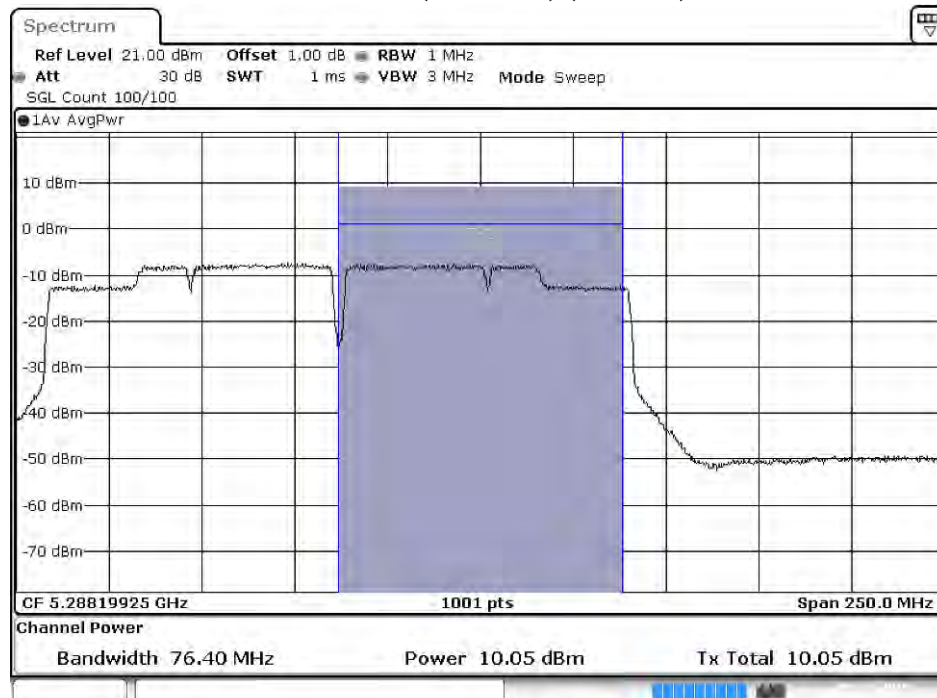
## Channel 114 (Chain B)



Date: 15.AUG.2019 19:38:48

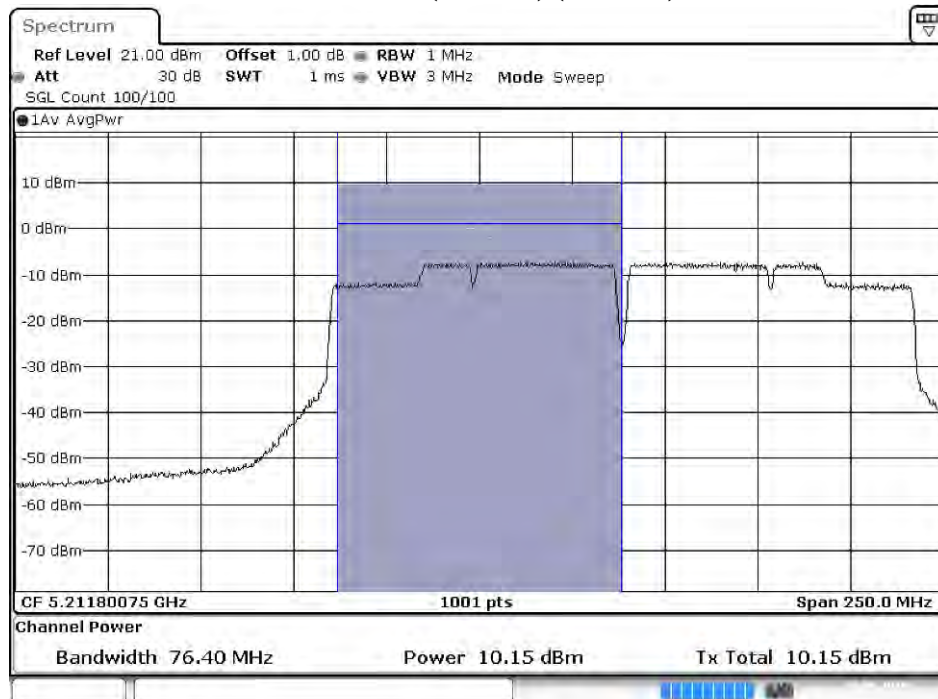
**Maximum conducted output power:****Channel 50 (U-NII-1) (Chain A)**

Date: 15.AUG.2019 17:42:08

**Maximum conducted output power:****Channel 50 (U-NII-2A) (Chain A)**

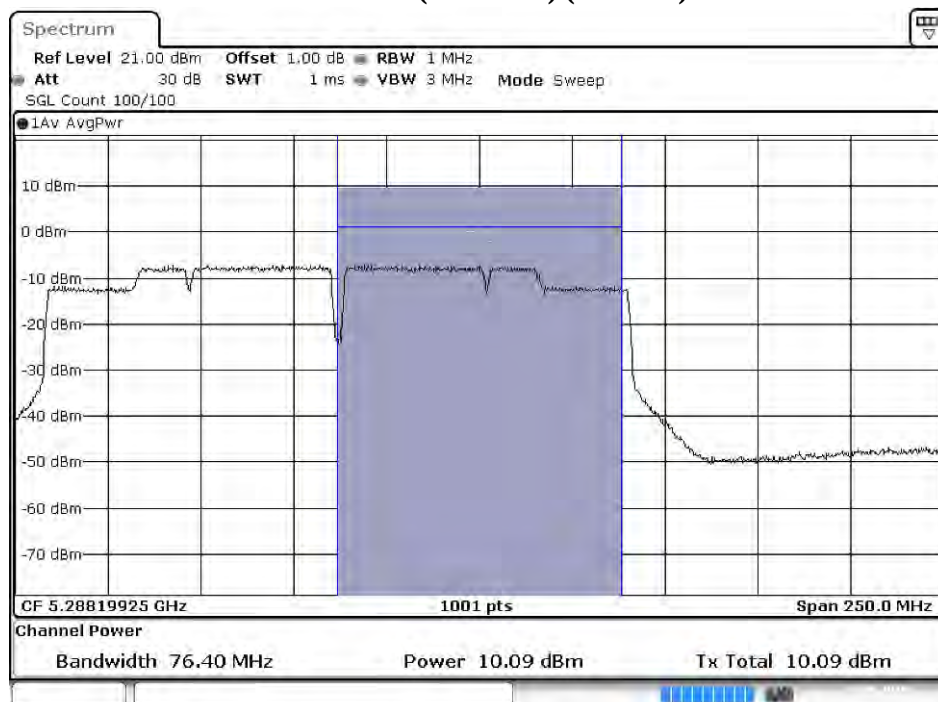
Date: 15.AUG.2019 17:42:30

**Maximum conducted output power:**  
**Channel 50 (U-NII-1) (Chain B)**



Date: 15.AUG.2019 19:37:36

**Maximum conducted output power:**  
**Channel 50 (U-NII-2A) (Chain B)**



Date: 15.AUG.2019 19:37:59

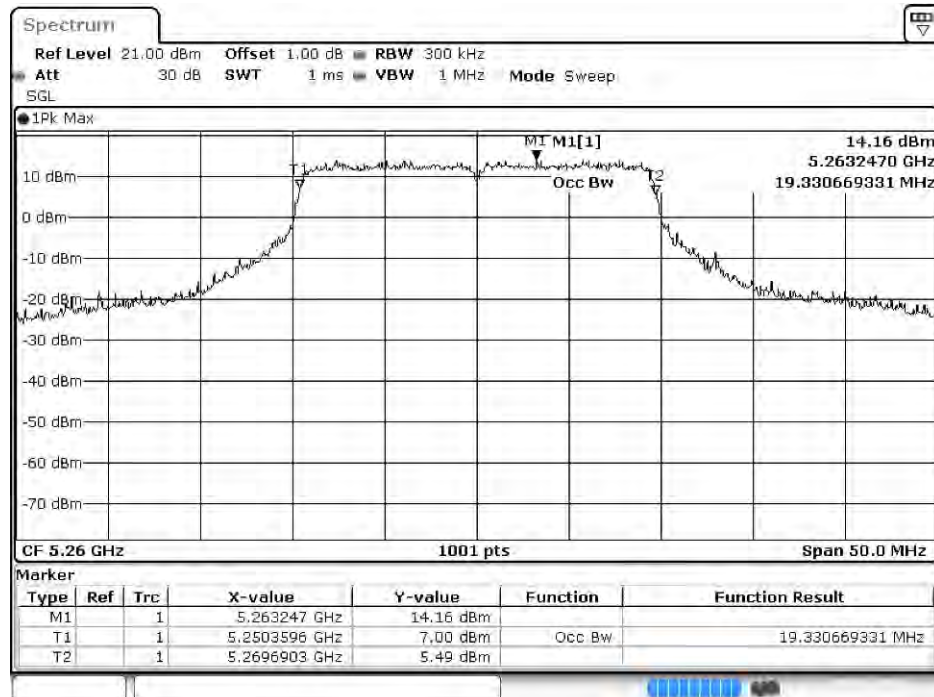
Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 6 SISO A: Transmit (802.11ax-20BW\_8.6Mbps)

| Cable loss=1.0dB |                    | Maximum conducted output power |       |       |       |       |       |       |       |       |       |       |       |
|------------------|--------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency<br>(MHz) | Data Rate                      |       |       |       |       |       |       |       |       |       |       |       |
|                  |                    | MCS0                           | MCS1  | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  | MCS10 | MCS11 |
| 36               | 5180               | 18.72                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 44               | 5220               | 19.74                          | 19.70 | 19.65 | 19.59 | 19.53 | 19.49 | 19.43 | 19.40 | 19.36 | 19.31 | 19.27 | 19.23 |
| 48               | 5240               | 21.05                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 52               | 5260               | 21.14                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 60               | 5300               | 21.35                          | 21.30 | 21.26 | 21.20 | 21.17 | 21.11 | 21.08 | 21.02 | 20.96 | 20.92 | 20.86 | 20.81 |
| 64               | 5320               | 17.97                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 100              | 5500               | 18.92                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 116              | 5580               | 21.17                          | 21.14 | 21.08 | 21.03 | 20.98 | 20.92 | 20.89 | 20.82 | 20.75 | 20.69 | 20.61 | 20.55 |
| 140              | 5700               | 17.47                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 144(U-NII-2C)    | 5720               | 19.87                          | 19.84 | 19.79 | 19.72 | 19.67 | 19.61 | 19.55 | 19.52 | 19.47 | 19.42 | 19.36 | 19.31 |
| 144(U-NII-3)     | 5720               | 13.19                          | 13.13 | 13.08 | 13.04 | 12.99 | 12.94 | 12.89 | 12.85 | 12.81 | 12.78 | 12.73 | 12.69 |
| 149              | 5745               | 20.94                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 157              | 5785               | 21.19                          | 21.12 | 21.06 | 21.03 | 20.98 | 20.92 | 20.88 | 20.81 | 20.78 | 20.74 | 20.69 | 20.63 |
| 165              | 5825               | 21.14                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |

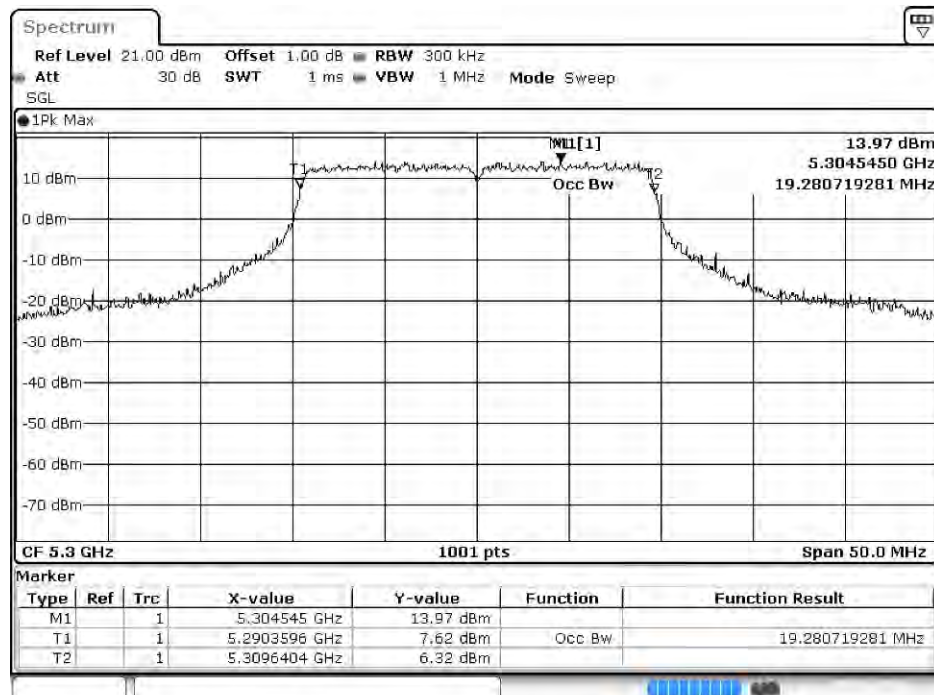
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

| Channel Number | Frequency (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Output Power Limit |               |
|----------------|-----------------|---------------------|--------------------|--------------------|---------------|
|                |                 |                     |                    | (dBm)              | dBm+10log(BW) |
| 36             | 5180            | --                  | 18.72              | 24                 | --            |
| 44             | 5220            | --                  | 19.74              | 24                 | --            |
| 48             | 5240            | --                  | 21.05              | 24                 | --            |
| 52             | 5260            | 19.331              | 21.14              | 24                 | 23.86         |
| 60             | 5300            | 19.281              | 21.35              | 24                 | 23.85         |
| 64             | 5320            | 19.181              | 17.97              | 24                 | 23.83         |
| 100            | 5500            | 19.231              | 18.92              | 24                 | 23.84         |
| 116            | 5580            | 19.331              | 21.17              | 24                 | 23.86         |
| 140            | 5700            | 19.181              | 17.47              | 24                 | 23.83         |
| 144(U-NII-2C)  | 5720            | 14.640              | 19.87              | 24                 | 22.66         |
| 144(U-NII-3)   | 5720            | --                  | 13.19              | 30                 | --            |
| 149            | 5745            | --                  | 20.94              | 30                 | --            |
| 157            | 5785            | --                  | 21.19              | 30                 | --            |
| 165            | 5825            | --                  | 21.14              | 30                 | --            |

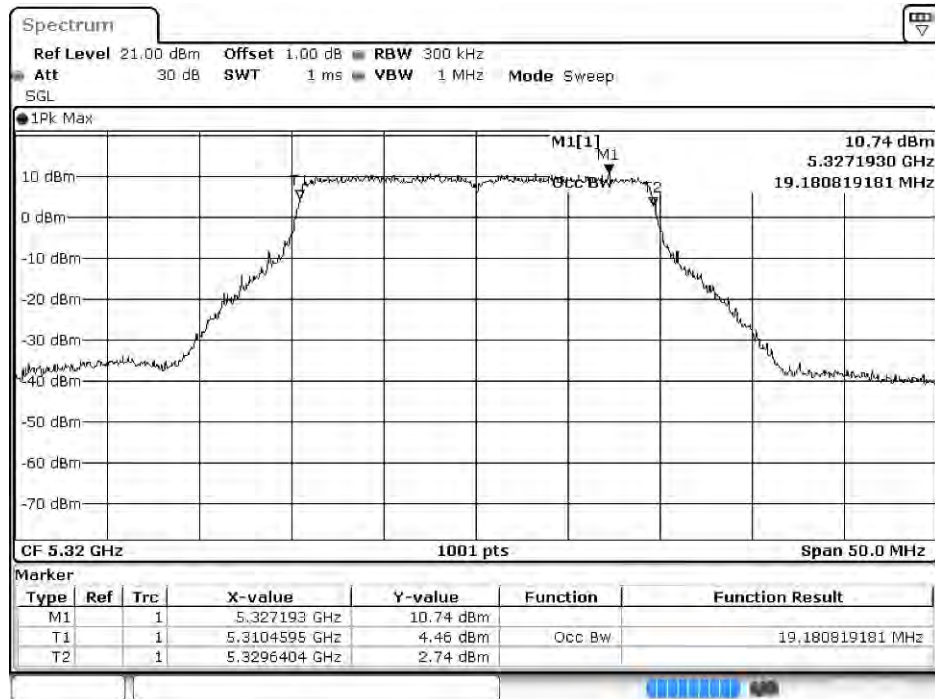
**99% Occupied Bandwidth:****Channel 52**

Date: 16.AUG.2019 13:48:59

**Channel 60**

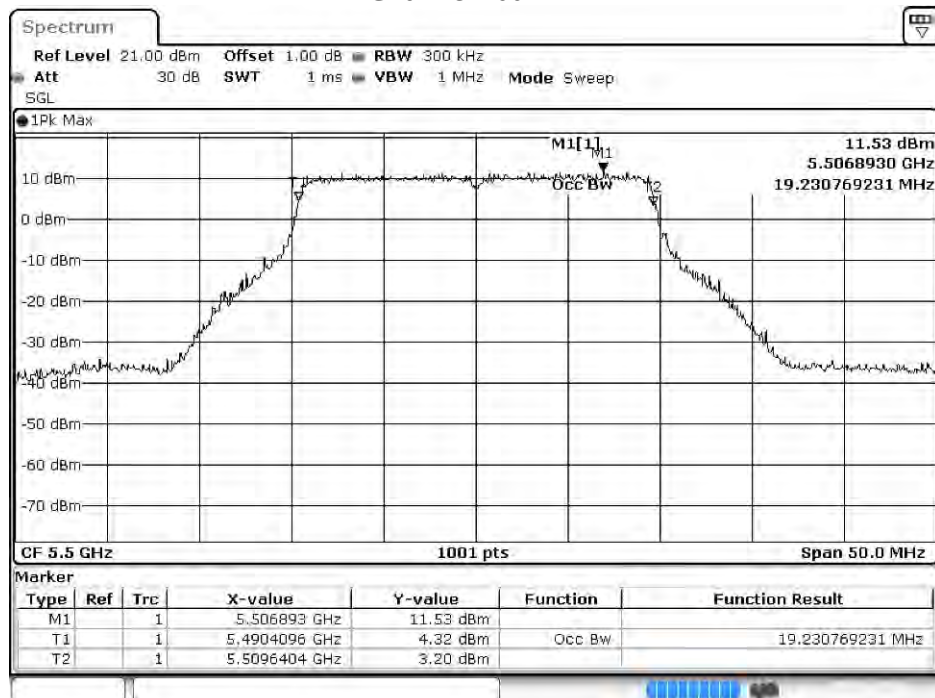
Date: 16.AUG.2019 13:49:45

## Channel 64



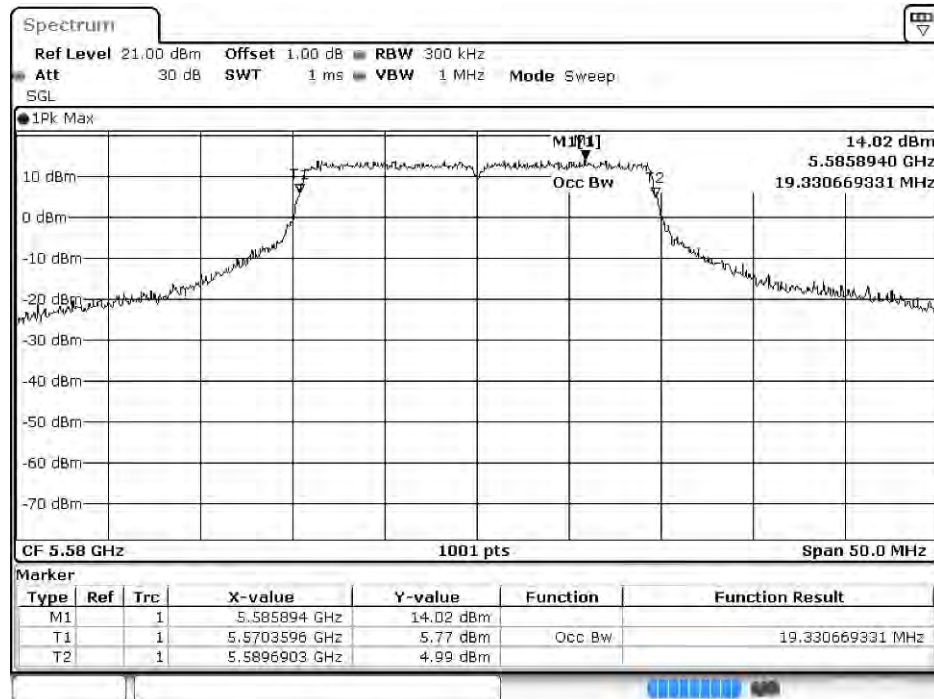
Date: 16.AUG.2019 13:50:29

## Channel 100



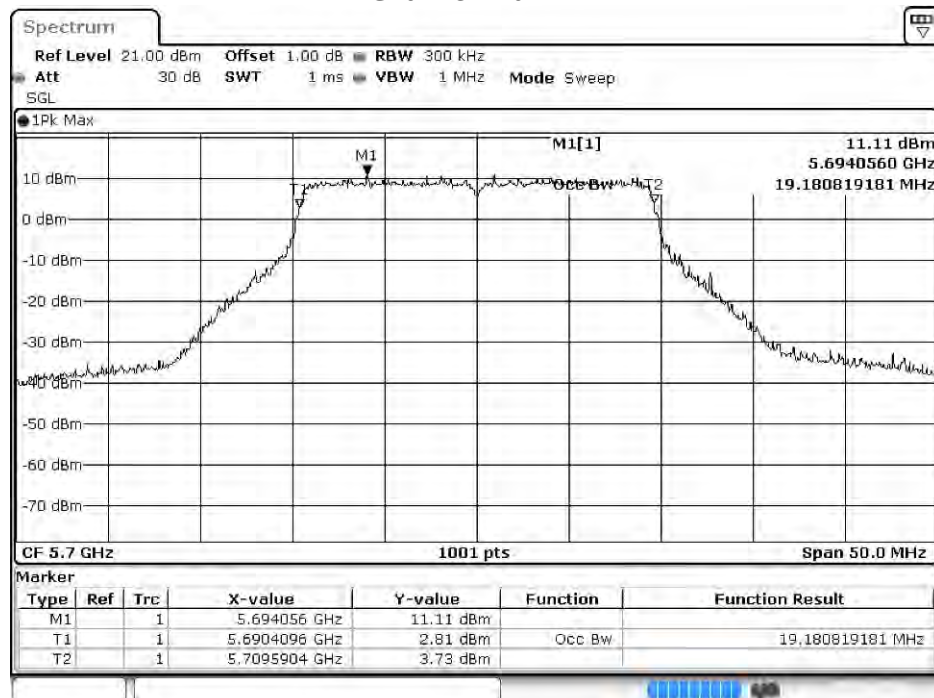
Date: 16.AUG.2019 13:51:11

## Channel 116



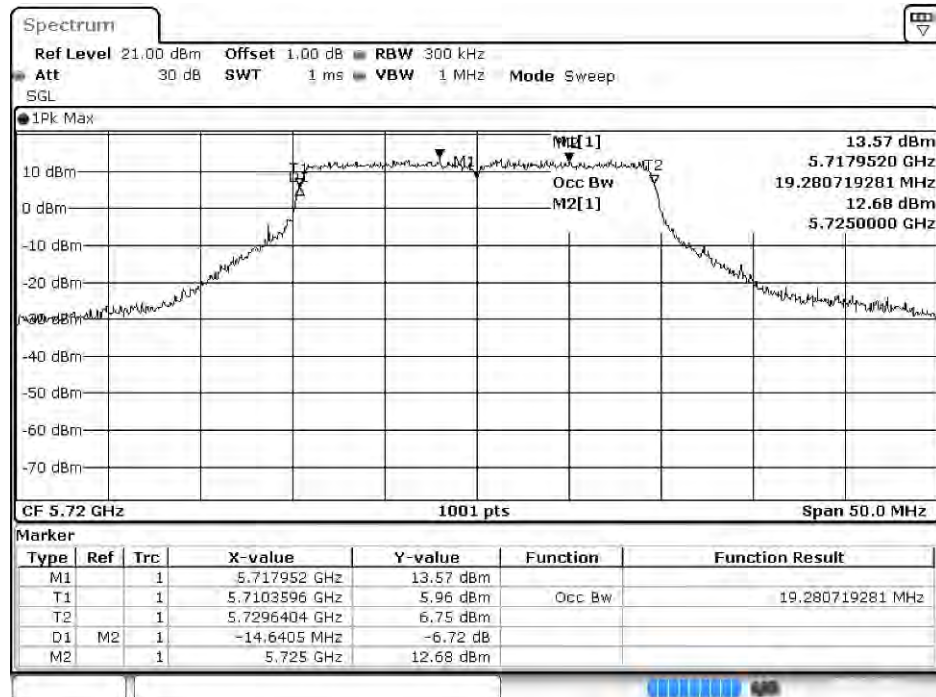
Date: 16.AUG.2019 13:53:03

## Channel 140



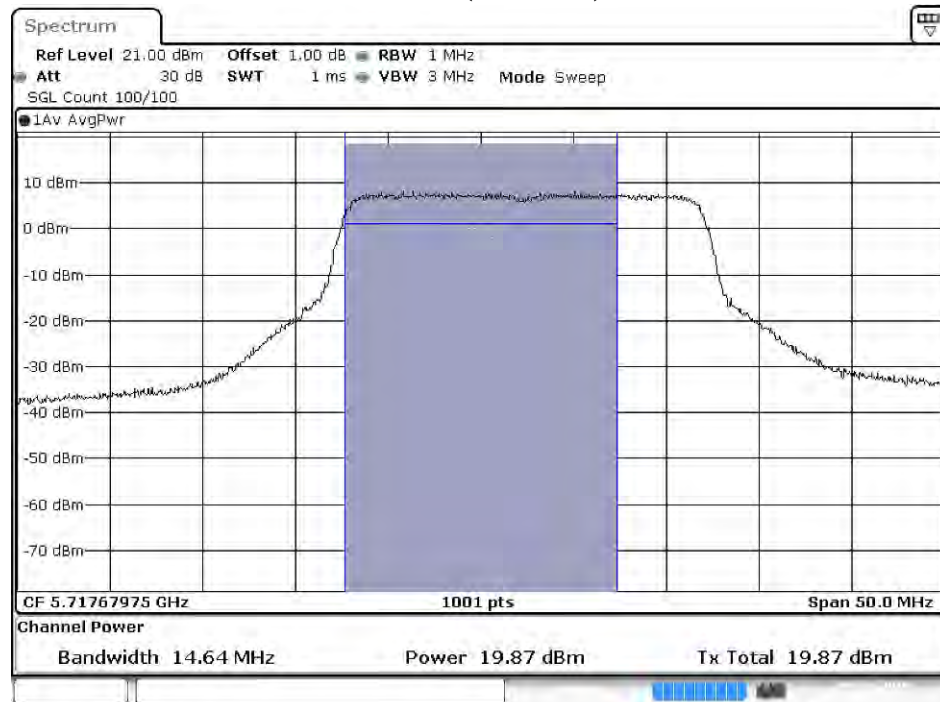
Date: 16.AUG.2019 13:55:44

## Channel 144



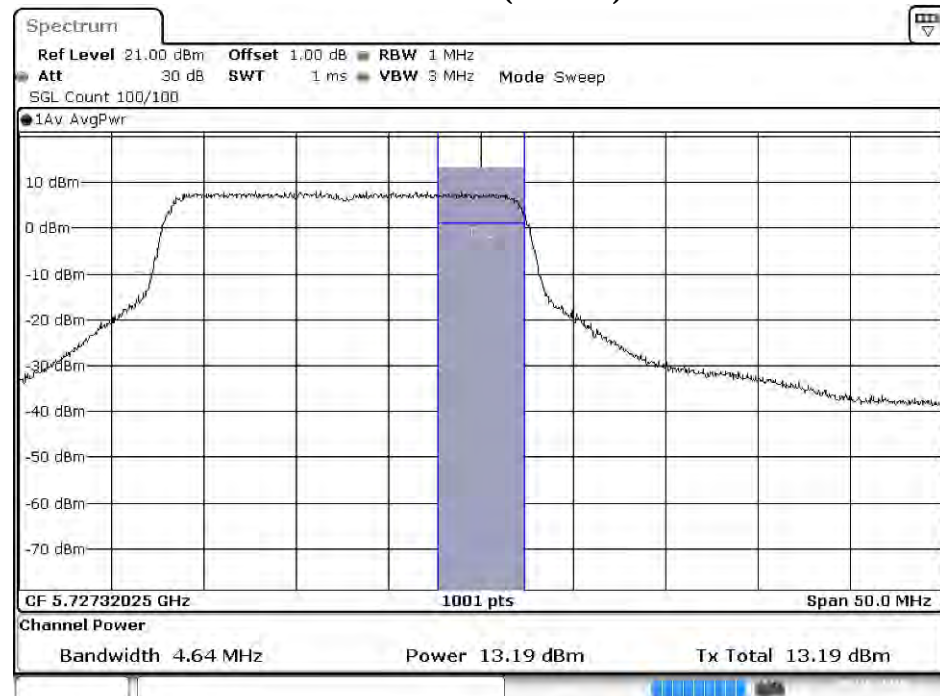
Date: 16.AUG.2019 13:32:26

**Maximum conducted output power:**  
**Channel 144 (U-NII-2C)**



Date: 16.AUG.2019 13:32:49

**Maximum conducted output power:**  
**Channel 144 (U-NII-3)**



Date: 16.AUG.2019 13:33:11

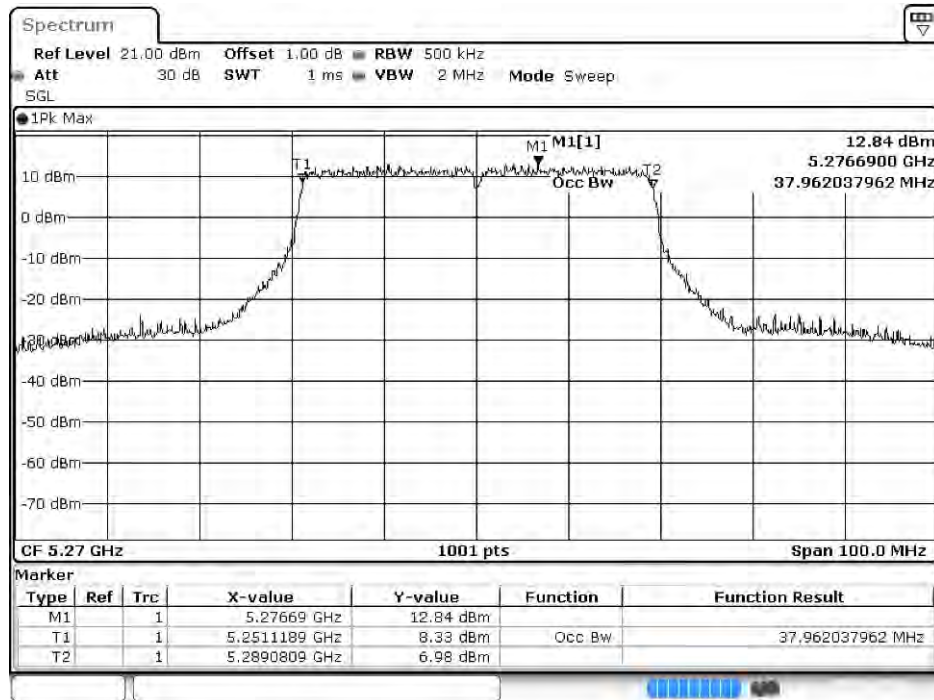
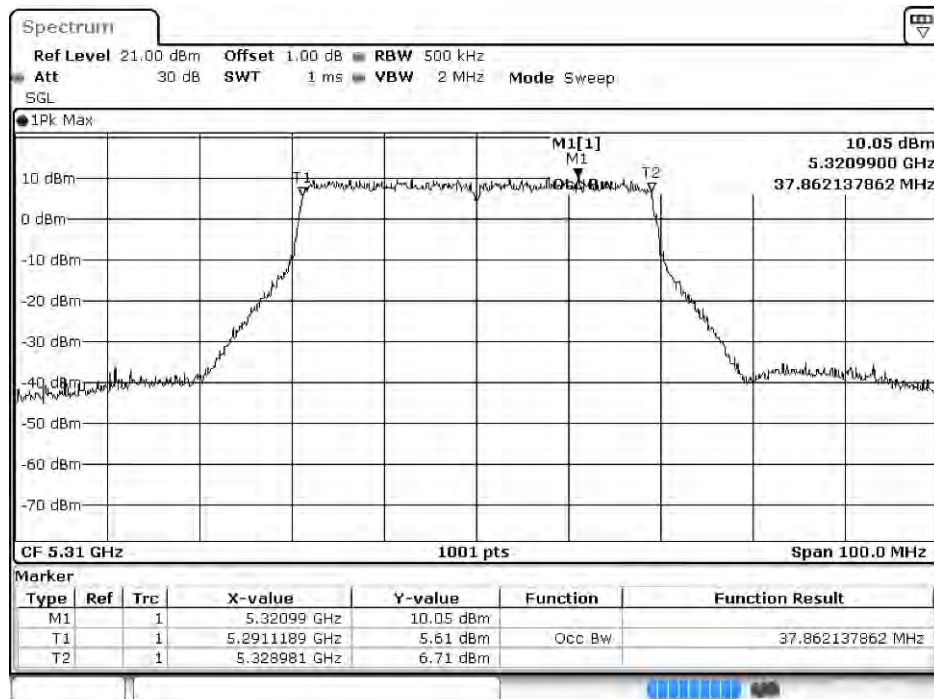
Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 7 SISO A: Transmit (802.11ax-40BW\_17.2Mbps)

| Cable loss=1.0dB |                    | Maximum conducted output power |       |       |       |       |       |       |       |       |       |       |       |
|------------------|--------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No.      | Frequency<br>(MHz) | Data Rate                      |       |       |       |       |       |       |       |       |       |       |       |
|                  |                    | MCS0                           | MCS1  | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  | MCS10 | MCS11 |
| 38               | 5190               | 18.44                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 46               | 5230               | 20.61                          | 20.57 | 20.52 | 20.48 | 20.43 | 20.39 | 20.33 | 20.28 | 20.22 | 20.16 | 20.11 | 20.07 |
| 54               | 5270               | 20.14                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 62               | 5310               | 17.23                          | 17.19 | 17.16 | 17.12 | 17.07 | 17.01 | 16.98 | 16.93 | 16.89 | 16.84 | 16.79 | 16.72 |
| 102              | 5510               | 18.07                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 110              | 5550               | 21.04                          | 20.97 | 20.94 | 20.87 | 20.81 | 20.75 | 20.71 | 20.65 | 20.61 | 20.57 | 20.52 | 20.48 |
| 134              | 5670               | 19.06                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 142(U-NII-2C)    | 5710               | 20.12                          | 20.08 | 20.03 | 20.00 | 19.95 | 19.88 | 19.83 | 19.79 | 19.75 | 19.71 | 19.67 | 19.63 |
| 142(U-NII-3)     | 5710               | 9.27                           | 9.20  | 9.15  | 9.10  | 9.06  | 9.03  | 8.98  | 8.93  | 8.88  | 8.85  | 8.79  | 8.73  |
| 151              | 5755               | 20.78                          | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 159              | 5795               | 21.06                          | 21.02 | 20.97 | 20.91 | 20.86 | 20.82 | 20.79 | 20.75 | 20.70 | 20.67 | 20.62 | 20.57 |

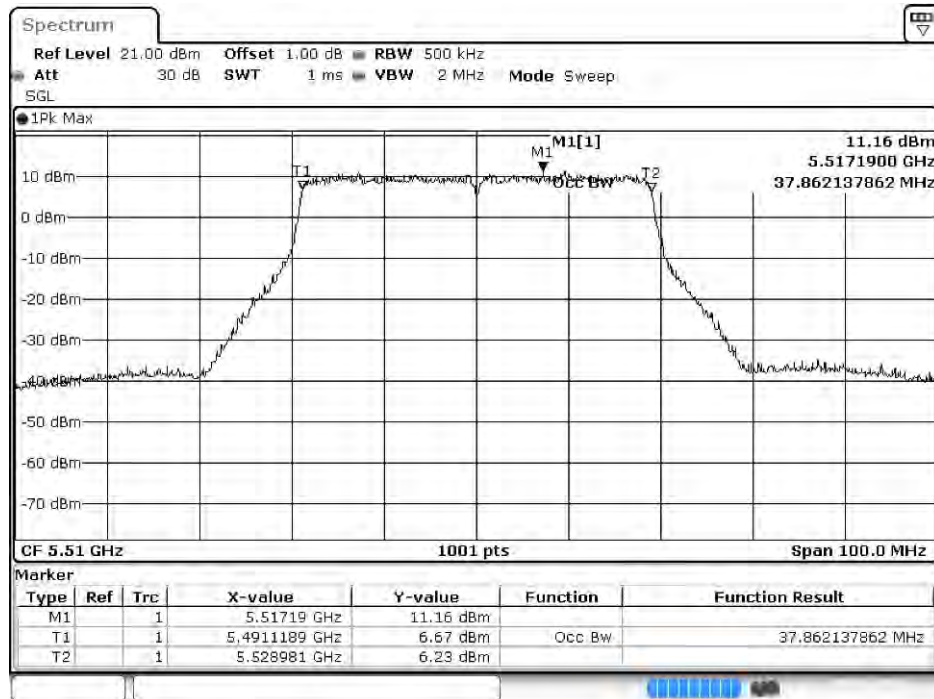
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

| Channel Number | Frequency (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Output Power Limit |               |
|----------------|-----------------|---------------------|--------------------|--------------------|---------------|
|                |                 |                     |                    | (dBm)              | dBm+10log(BW) |
| 38             | 5190            | --                  | 18.44              | 24                 | --            |
| 46             | 5230            | --                  | 20.61              | 24                 | --            |
| 54             | 5270            | 37.962              | 20.14              | 24                 | 26.79         |
| 62             | 5310            | 37.862              | 17.23              | 24                 | 26.78         |
| 102            | 5510            | 37.862              | 18.07              | 24                 | 26.78         |
| 110            | 5550            | 38.062              | 21.04              | 24                 | 26.80         |
| 134            | 5670            | 37.862              | 19.33              | 24                 | 26.78         |
| 142(U-NII-2C)  | 5710            | 33.930              | 20.12              | 24                 | 26.31         |
| 142(U-NII-3)   | 5710            | --                  | 9.27               | 30                 | --            |
| 151            | 5755            | --                  | 20.78              | 30                 | --            |
| 159            | 5795            | --                  | 21.06              | 30                 | --            |

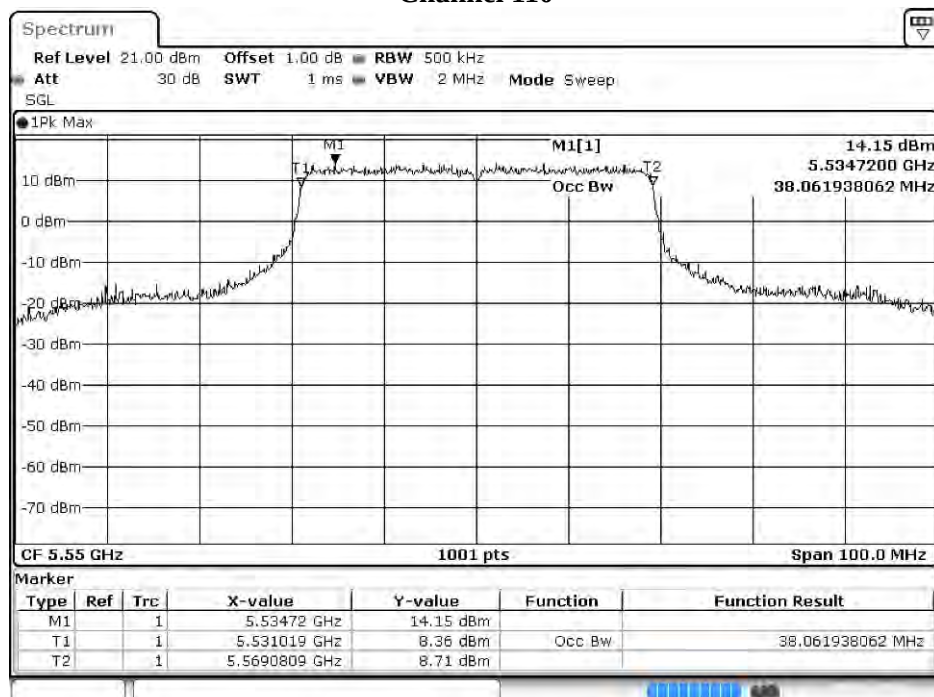
**99% Occupied Bandwidth:****Channel 54****Channel 62**

## Channel 102



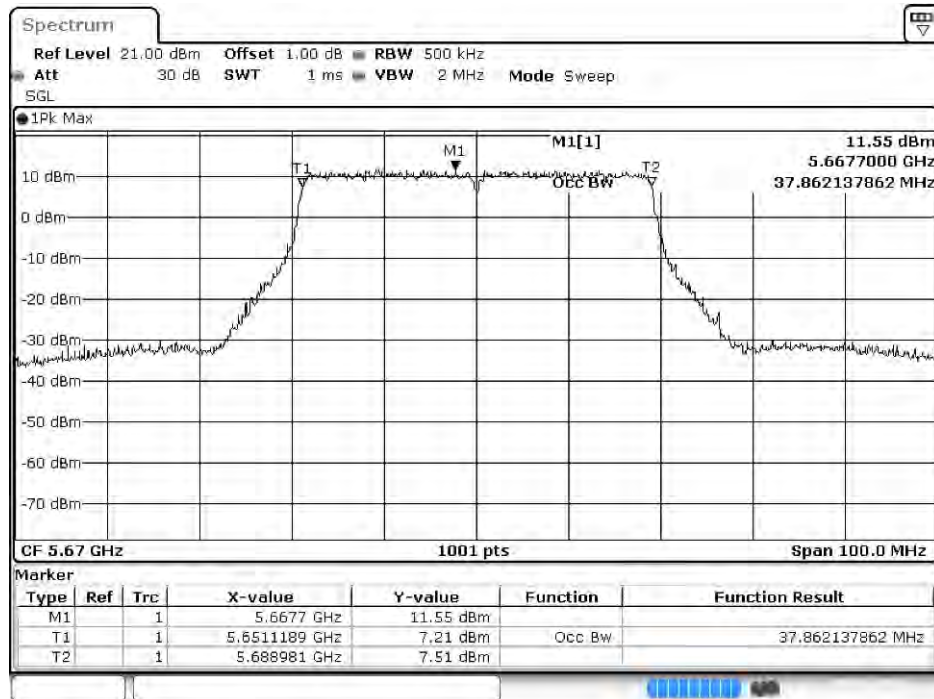
Date: 16.AUG.2019 14:12:04

## Channel 110



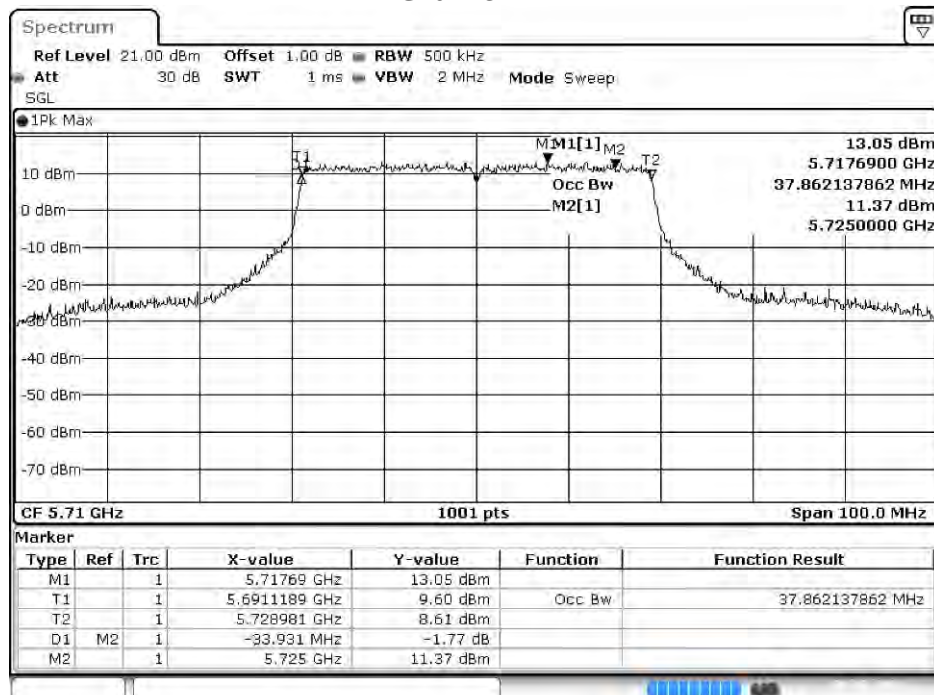
Date: 16.AUG.2019 14:13:05

## Channel 134



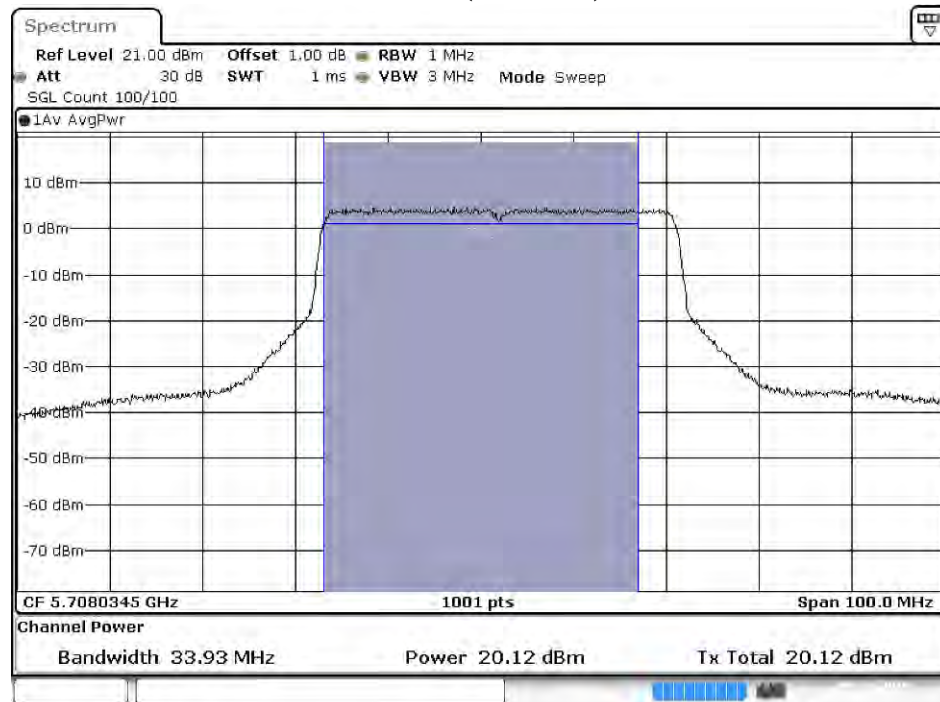
Date: 16.AUG.2019 14:17:18

## Channel 142



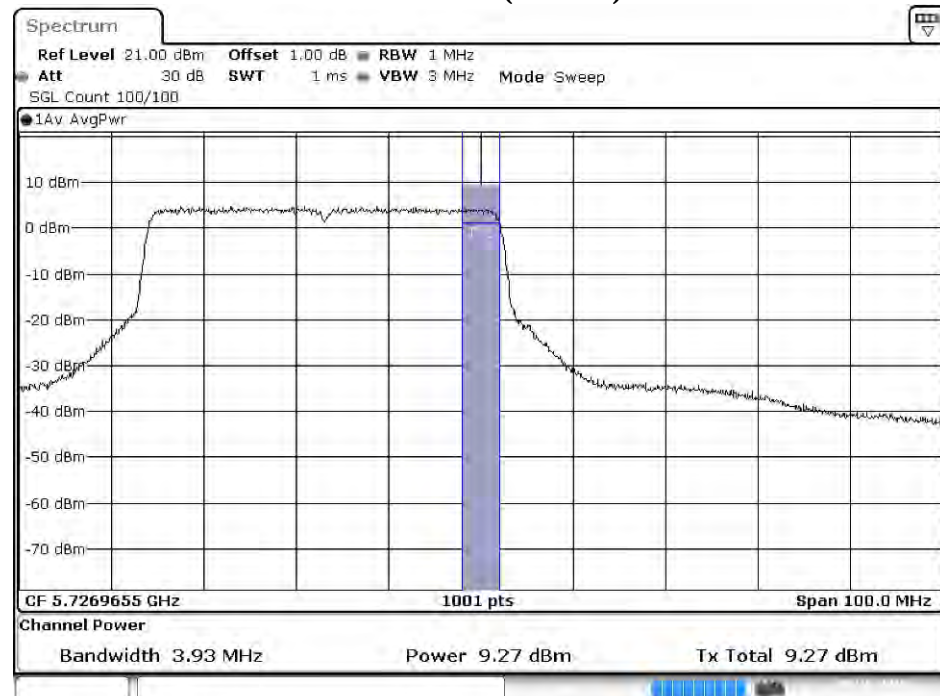
Date: 16.AUG.2019 13:34:26

**Maximum conducted output power:**  
**Channel 142 (U-NII-2C)**



Date: 16.AUG.2019 13:34:49

**Maximum conducted output power:**  
**Channel 142 (U-NII-3)**



Date: 16.AUG.2019 13:35:11

Product : Intel® Wi-Fi 6 AX201  
 Test Item : Maximum conducted output power  
 Test Date : 2019/08/16  
 Test Mode : Mode 8 SISO A: Transmit (802.11ax-80BW\_36Mbps)

| Cable loss=1.0dB |                    | Maximum conducted output power |       |       |       |       |       |       |       |       |       |       |       |
|------------------|--------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No       | Frequency<br>(MHz) | Data Rate                      |       |       |       |       |       |       |       |       |       |       |       |
|                  |                    | MCS0                           | MCS1  | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  | MCS10 | MCS11 |
| 42               | 5210               | 18.48                          | 18.44 | 18.39 | 18.33 | 18.27 | 18.20 | 18.17 | 18.11 | 18.05 | 18.01 | 17.97 | 17.92 |
| 58               | 5290               | 17.79                          | 17.73 | 17.68 | 17.62 | 17.56 | 17.51 | 17.48 | 17.45 | 17.41 | 17.37 | 17.32 | 17.26 |
| 106              | 5530               | 18.69                          | 18.65 | 18.59 | 18.52 | 18.49 | 18.42 | 18.38 | 18.31 | 18.27 | 18.21 | 18.16 | 18.11 |
| 122              | 5610               | 19.41                          | 19.38 | 19.32 | 19.27 | 19.22 | 19.18 | 19.13 | 19.08 | 19.02 | 18.97 | 18.93 | 18.89 |
| 138 (U-NII-2C)   | 5690               | 20.64                          | 20.60 | 20.54 | 20.50 | 20.47 | 20.43 | 20.40 | 20.33 | 20.29 | 20.25 | 20.19 | 20.14 |
| 138 (U-NII-3)    | 5690               | 6.92                           | 6.87  | 6.84  | 6.79  | 6.76  | 6.70  | 6.64  | 6.59  | 6.53  | 6.48  | 6.42  | 6.37  |
| 155              | 5775               | 18.54                          | 18.49 | 18.43 | 18.40 | 18.36 | 18.30 | 18.24 | 18.17 | 18.14 | 18.07 | 18.01 | 17.96 |

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

#### Maximum conducted output power Measurement:

| Channel No     | Frequency<br>Range<br>(MHz) | 99%<br>Bandwidth<br>(MHz) | Output<br>Power<br>(dBm) | Output Power Limit |               |
|----------------|-----------------------------|---------------------------|--------------------------|--------------------|---------------|
|                |                             |                           |                          | (dBm)              | dBm+10log(BW) |
| 42             | 5210                        | --                        | 18.48                    | 24                 | --            |
| 58             | 5290                        | 76.720                    | 17.79                    | 24                 | 29.85         |
| 106            | 5530                        | 76.920                    | 18.69                    | 24                 | 29.86         |
| 122            | 5610                        | 77.120                    | 19.41                    | 24                 | 29.87         |
| 138 (U-NII-2C) | 5690                        | 78.160                    | 20.64                    | 24                 | 29.93         |
| 138 (U-NII-3)  | 5690                        | --                        | 6.92                     | 30                 | --            |
| 155            | 5775                        | --                        | 18.54                    | 30                 | --            |