

FCC Test Report

(Class II Permissive Change)

Product Name	Intel® Wi-Fi 6 AX201
Model No	AX201NGW
FCC ID	PD9AX201NG

Applicant	Intel Corporation
Address	100 Center Point Circle Suite 200 Columbia, South Carolina 29210, United States

Date of Receipt	Dec. 06, 2021
Issued Date	Mar 21, 2022
Report No.	21C0161R-RFUSWL5V01-A
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.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

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.

Test Report

Issued Date: Mar 21, 2022

Report No.: 21C0161R-RFUSWL5V01-A



Product Name	Intel® Wi-Fi 6 AX201
Applicant	Intel Corporation
Address	100 Center Point Circle Suite 200 Columbia, South Carolina 29210, United States
Manufacturer	INTEL MOBILE COMMUNICATIONS
Model No.	AX201NGW
FCC ID.	PD9AX201NG
EUT Rated Voltage	AC 100-240V / 50-60Hz
EUT Test Voltage	AC 120V / 60Hz
Trade Name	intel
Applicable Standard	FCC CFR Title 47 Part 15 Subpart E ANSI C63.4: 2014, ANSI C63.10: 2013 KDB Publication 789033
Test Result	Complied

Documented By

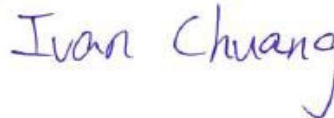
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(Senior Project Specialist / Joanne Lin)

Tested By

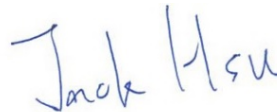
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(Senior Engineer / Ivan Chuang)

Approved By

:



(Senior Engineer / Jack Hsu)

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Revision History

Report No.	Version	Description	Issued Date
21C0161R-RFUSWL5V01-A	V1.0	Initial issue of report.	2022-03-21

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Intel® Wi-Fi 6 AX201
Trade Name	intel
FCC ID.	PD9AX201NG
Model No.	AX201NGW
Frequency Range	802.11a/n/ac/ax-20: 5180-5320MHz, 5500-5700MHz, 5720MHz, 5745-5825MHz 802.11n/ac/ax-40: 5190-5310MHz, 5510-5670MHz, 5710MHz, 5755-5795MHz 802.11ac/ax-80: 5210-5290MHz, 5530-5690MHz, 5775MHz 802.11ac/ax-160: 5250MHz, 5570MHz
Number of Channels	802.11a/n/ac/ax-20: 25CH 802.11n/ac/ax-40: 12CH 802.11ac/ax-80: 6CH 802.11ac/ax-160: 2CH
Data Rate	802.11a: 6 - 54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2402Mbps
Type of Modulation	802.11a/n/ac/ax: OFDM, OFDMA, BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Antenna type	PIFA Antenna
Channel Control	Auto
Antenna Gain	Refer to the table "Antenna List"
Power Adapter (1)	MFR: FSP, M/N: FSP230-AJAS3-1 Input: AC 100-240V~, 3A, 50-60Hz Output: 19.5V=11.79A, 230.0W Cable Out: Non-shielded, 1.2m, with two ferrite cores bonded. Power Cord: Non-shielded, 1.8m
Power Adapter (2)	MFR: FSP, M/N: FSP180-AJBN3 Input: AC 100-240V~, 2.3A, 50-60Hz Output: 19.5V=9.23A, 180.0W Cable Out: Non-shielded, 1.75m, with one ferrite core bonded. Power Cord: Non-shielded, 1.8m

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Auden	ANTRG5D123-1801 (Main)	PIFA Antenna	5.18dBi For 5.15~5.25GHz 5.52dBi For 5.25~5.35GHz 5.76dBi For 5.47~5.725GHz 4.24dBi For 5.725~5.85GHz
	Auden	ANTRG5D123-1801 (Aux)	PIFA Antenna	4.09dBi For 5.15~5.25GHz 4.09dBi For 5.25~5.35GHz 3.58dBi For 5.47~5.725GHz 5dBi For 5.725~5.85GHz

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

802.11a/n/ac/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/ac/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 and Bluetooth transceiver, this report for 5GHz WLAN.
2. This is to request a Class II permissive change for FCC ID: PD9AX201NG, originally granted on 01/28/2019.

The major change filed under this application is:

Change #1: Additional Chassis added, Intel Corporation, Model number: AC57.

Change #2: Addition one antennas, the antenna type is same, the antenna gain is higher than the original application.

Change #3: Reduce Main and Aux Output Power through the BIOS firmware.

3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
4. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report.
5. 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.

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 A: Transmit (802.11ax-20BW Partial RU)
	Mode 11 SISO A: Transmit (802.11ax-40BW Partial RU)
	Mode 12 SISO A: Transmit (802.11ax-80BW Partial RU)
	Mode 13 SISO A: Transmit (802.11ax-160BW Partial RU)
	Mode 14 SISO B: Transmit (802.11a 6Mbps)
	Mode 15 SISO B: Transmit (802.11n-20BW 7.2Mbps)
	Mode 16 SISO B: Transmit (802.11n-40BW 15Mbps)
	Mode 17 SISO B: Transmit (802.11ac-80BW 32.5Mbps)
	Mode 18 SISO B: Transmit (802.11ac-160BW 65Mbps)
	Mode 19 SISO B: Transmit (802.11ax-20BW 8.6Mbps)
	Mode 20 SISO B: Transmit (802.11ax-40BW 17.2Mbps)
	Mode 21 SISO B: Transmit (802.11ax-80BW 36Mbps)
	Mode 22 SISO B: Transmit (802.11ax-160BW 72.1Mbps)
	Mode 23 SISO B: Transmit (802.11ax-20BW Partial RU)
	Mode 24 SISO B: Transmit (802.11ax-40BW Partial RU)
	Mode 25 SISO B: Transmit (802.11ax-80BW Partial RU)
	Mode 26 SISO B: Transmit (802.11ax-160BW Partial RU)
	Mode 27 MIMO: Transmit (802.11n-20BW 14.4Mbps)
	Mode 28 MIMO: Transmit (802.11n-40BW 30Mbps)
	Mode 29 MIMO: Transmit (802.11ac-80BW 65Mbps)
	Mode 30 MIMO: Transmit (802.11ac-160BW 130Mbps)
	Mode 31 MIMO: Transmit (802.11ax-20BW 17.2Mbps)
	Mode 32 MIMO: Transmit (802.11ax-40BW 34.4Mbps)
	Mode 33 MIMO: Transmit (802.11ax-80BW 72.1Mbps)
	Mode 34 MIMO: Transmit (802.11ax-160BW 144Mbps)
	Mode 35 MIMO: Transmit (802.11ax-20BW Partial RU)
	Mode 36 MIMO: Transmit (802.11ax-40BW Partial RU)
	Mode 37 MIMO: Transmit (802.11ax-80BW Partial RU)
	Mode 38 MIMO: Transmit (802.11ax-160BW Partial RU)

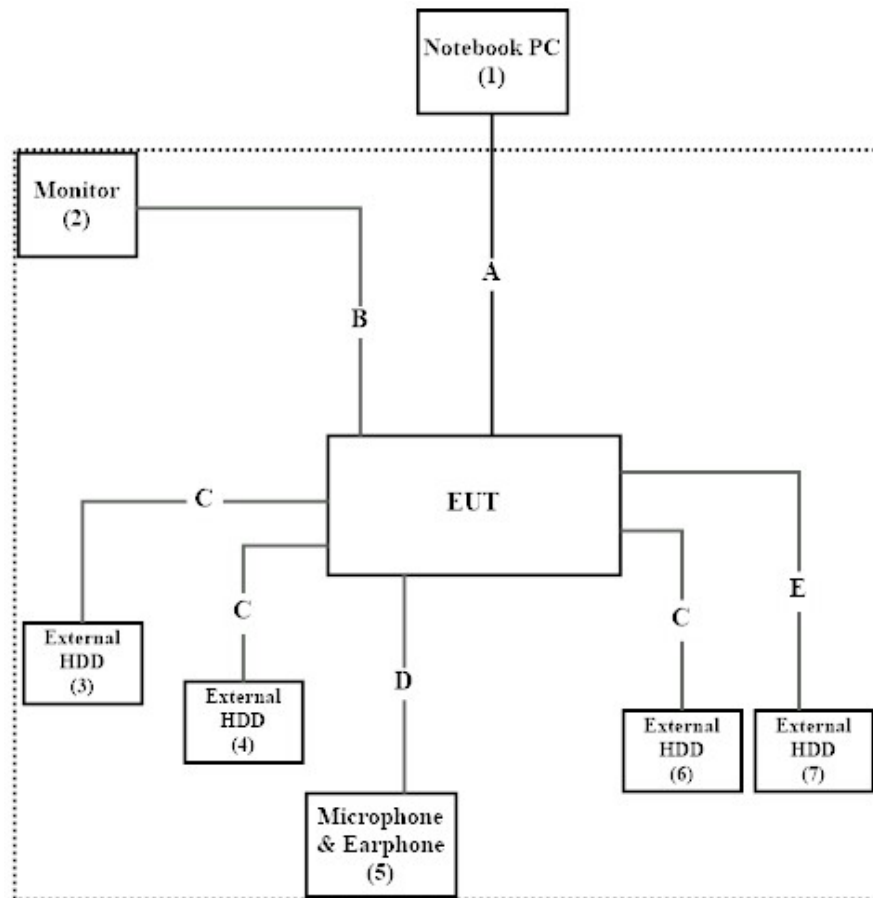
1.2. Tested System Details

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	Inspiron 15 3000	GT5JPJ2	N/A
2 Monitor	Lenovo	A21215FS0	V5DMD987	Non-Shielded, 1.8m
3 External HDD	Transcend	TS1TSJ25MC	F30467-0011	N/A
4 External HDD	Transcend	TS1TSJ25H3B	F21786-0125	N/A
5 Microphone & Earphone	Verbatim	C09024VB	N/A	N/A
6 External HDD	Transcend	TS1TSJ25H3B	F21786-0019	N/A
7 External HDD	Transcend	TS2TSJ25H3B	D67704 0082	N/A

Signal Cable Type	Signal cable Description
A LAN Cable	Non-shielded, 2m
B HDMI Cable	Shielded, 1.8m
C USB Cable	Shielded, 0.5m, three PCS.
D Microphone & Earphone Cable	Non-shielded, 1.2m
E USB Cable	Shielded, 0.5m

1.3. Configuration of tested System



1.4. EUT Exercise Software

1. Setup the EUT as shown in Section 1.3.
2. Execute software “DRTU V22.21070.0.0-OEM.DRTU.12463” on the EUT.
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.

1.5. Test Facility

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual
Radiated Emission	Temperature (°C)	10~40 °C	21.2°C
	Humidity (%RH)	10~90 %	56.7 %
Conductive	Temperature (°C)	10~40 °C	22.6°C
	Humidity (%RH)	10~90 %	50.8%

USA : FCC Registration Number: TW0033

Canada : IC Registration Number: 26930

Site Description : Accredited by TAF
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd
Address : No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan
Performed Location : No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan,
R.O.C.
Phone number : +886-3-275-7255
Fax number : +866-3-327-8031
Email address : info.tw@dekra.com
Website : <http://www.dekra.com.tw>

1.6. List of Test Equipment

For Conducted measurements / SH2

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
X	Spectrum Analyzer	R&S	FSV30	103466	2021.12.27	2022.12.26
X	Peak Power Analyzer	KEYSIGHT	8900B	MY51000539	2021.06.07	2022.06.06
X	Power Sensor	KEYSIGHT	N1923A	MY59240002	2021.05.17	2022.05.16
X	Power Sensor	KEYSIGHT	N1923A	MY59240003	2021.05.17	2022.05.16

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 / 966-3

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
X	Loop Antenna	AMETEK	HLA6121	56736	2021.04.14	2022.04.13
X	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-675	2021.08.10	2022.08.10
	Horn Antenna	ETS-Lindgren	3117	00201259	2021.11.09	2022.11.08
	Horn Antenna	Com-Power	AH-840	101087	2021.06.16	2022.06.15
X	Pre-Amplifier	SGH	SGH0301-9	20211007-10	2022.02.22	2023.02.21
	Pre-Amplifier	EMCI	EMC051835SE	980313	2021.11.24	2022.11.23
	Pre-Amplifier	EMCI	EMC05820SE	980310	2021.07.07	2022.07.06
	Pre-Amplifier	EMCI	EMC184045SE	980369		
	Coaxial Cable	EMCI	EMC102-KM-KM-600	1160314	2021.04.27	2022.04.26
	Coaxial Cable	EMCI	EMC102-KM-KM-7000	170242		
	Filter	MICRO TRONICS	BRM50702	G251	2021.09.16	2022.09.15
	Filter	MICRO TRONICS	BRM50716	G188	2021.09.16	2022.09.15
X	EMI Test Receiver	R&S	ESR	102793	2021.12.15	2022.12.14
X	Spectrum Analyzer	R&S	FSV3044	101113	2022.01.25	2023.02.24
X	Coaxial Cable	SGH	HA800	GD20110222-3	2022.01.05	2023.01.04
	Coaxial Cable	SGH	SGH18	20110223-1		
	Coaxial Cable	SGH	SGH18	2021005-3		
	Coaxial Cable	SGH	SGH18	2021001-18		

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: AUDIX e3 V9.

For Radiated measurements / 966-4

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
	Loop Antenna	AMETEK	HLA6121	56736	2021.04.14	2022.04.13
	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0678	2021.01.29	2022.01.28
X	Horn Antenna	ETS-Lindgren	3117	00228113	2021.06.23	2022.06.22
X	Horn Antenna	Com-Power	AH-840	101100	2021.10.04	2022.10.03
	Pre-Amplifier	SGH	EM330	060736	2021.08.11	2022.08.10
X	Pre-Amplifier	SGH	PRAMP118	20200701	2021.08.11	2022.08.10
X	Pre-Amplifier	SGH	PRAMP0510	20200703	2021.08.11	2022.08.10
	Pre-Amplifier	EMCI	EMC184045SE	980369		
X	Coaxial Cable	EMCI	EMC102-KM-KM-600	1160314	2021.04.27	2022.04.26
	Coaxial Cable	EMCI	EMC102-KM-KM-7000	170242		
	Filter	MICRO TRONICS	BRM50702	G251	2021.09.16	2022.09.15
X	Filter	MICRO TRONICS	BRM50716	G188	2021.09.16	2022.09.15
X	Spectrum Analyzer	R&S	FSV3044	101113	2022.01.25	2023.02.24
	Coaxial Cable	SGH	HA800	GD20110222-6		
X	Coaxial Cable	SGH	SGH18	2021001-20	2021.10.04	2022.10.03
	Coaxial Cable	EMCI	EMCCFD400	160214		

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 : AUDIX e3 V9.

1.7. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

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%.

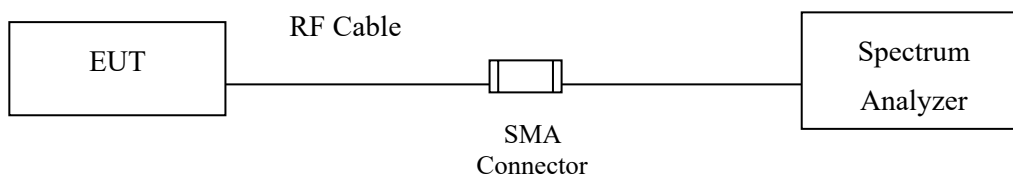
Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test item	Uncertainty	
Maximun conducted output power	Power Meter ± 0.91 dB	Spectrum Analyzer ± 2.53 dB
Radiated Emission	Under 1GHz ± 4.06 dB	Above 1GHz ± 3.73 dB
Band Edge	Under 1GHz ± 4.06 dB	Above 1GHz ± 3.73 dB
Duty Cycle	± 2.31 msec	

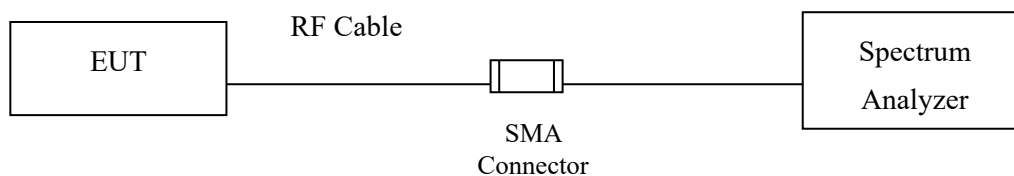
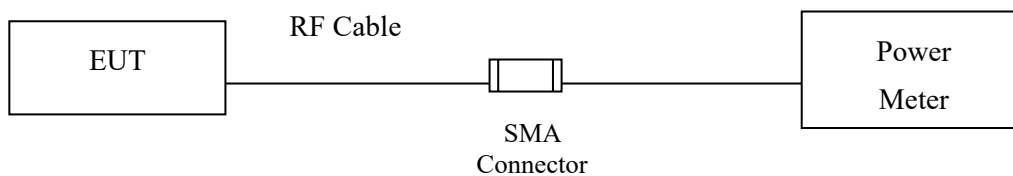
2. Maximun conducted output power

2.1. Test Setup

Occupied Bandwidth



Conduction Power Measurement



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 26dB 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 colocated 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 $\leq$ 40MHz) 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, (Anritsu/ MA2411B video bandwidth: 65MHz)

802.11ac (BW=80MHz) 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. Test Result of Maximum conducted output power

Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 1 SISO A: Transmit (802.11a 6Mbps)
 Test Date : 2022/02/22

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
		Measurement Level (dBm)							
36	5180	18.24	--	--	--	--	--	--	--
40	5200	18.97	18.93	18.86	18.80	18.76	18.72	18.65	18.60
48	5240	18.95	--	--	--	--	--	--	--
52	5260	18.92	--	--	--	--	--	--	--
56	5280	18.95	18.91	18.86	18.81	18.76	18.72	18.68	18.61
64	5320	17.36	--	--	--	--	--	--	--
100	5500	17.40	--	--	--	--	--	--	--
116	5580	18.97	18.94	18.91	18.87	18.81	18.78	18.72	18.65
140	5700	17.92	--	--	--	--	--	--	--
149	5745	18.92	--	--	--	--	--	--	--
157	5785	18.95	18.88	18.79	18.72	18.69	18.63	18.55	18.47
165	5825	18.97	--	--	--	--	--	--	--

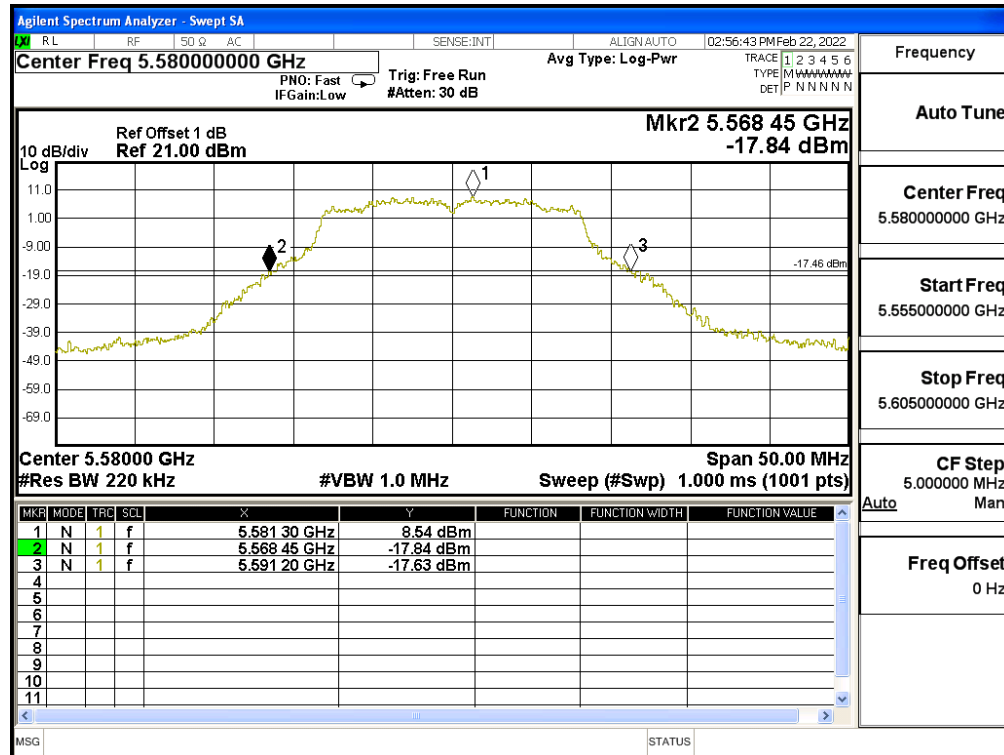
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	18.24	24	--
40	5200	--	18.97	24	--
48	5240	--	18.95	24	--
52	5260	27.880	18.92	24	25.45
56	5280	26.830	18.95	24	25.29
64	5320	24.520	17.36	24	24.90
100	5500	25.070	17.40	24	24.99
116	5580	22.750	18.97	24	24.57
140	5700	25.070	17.92	24	24.99
149	5745	--	18.92	30	--
157	5785	--	18.95	30	--
165	5825	--	18.97	30	--

26dB Occupied Bandwidth:

Channel 116



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 2 SISO A: Transmit (802.11n-20BW 7.2Mbps)
 Test Date : 2022/02/22

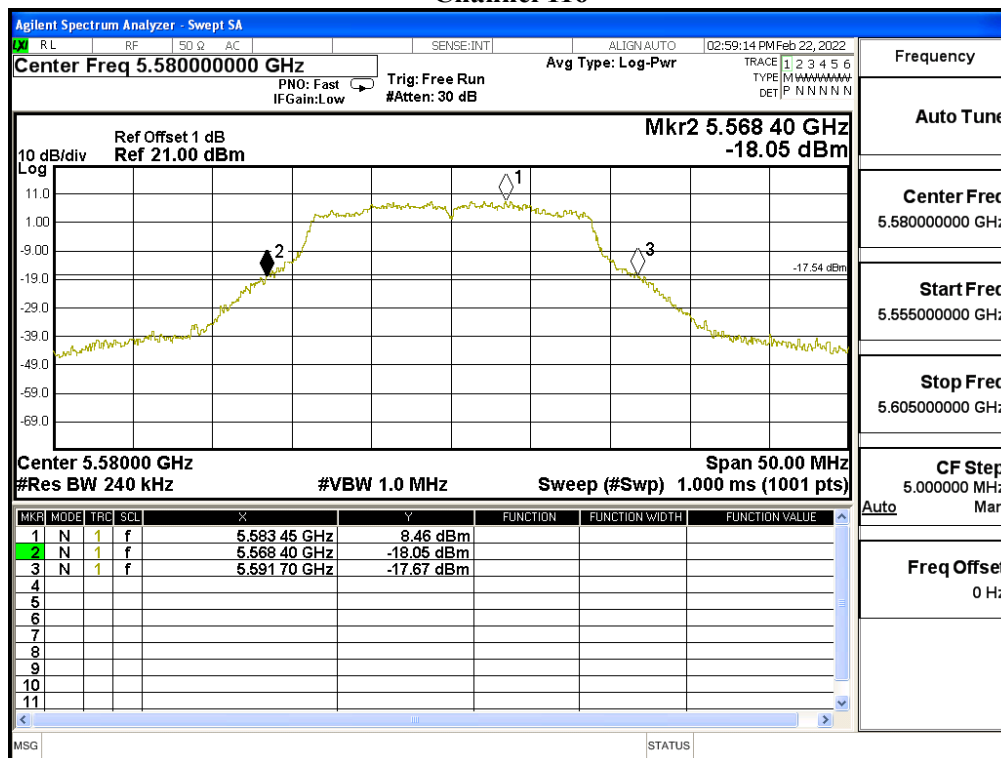
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate							
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7
		Measurement Level (dBm)							
36	5180	18.04	--	--	--	--	--	--	--
40	5200	18.86	18.82	18.78	18.73	18.66	18.63	18.58	18.53
48	5240	18.82	--	--	--	--	--	--	--
52	5260	18.88	--	--	--	--	--	--	--
56	5280	18.83	18.80	18.76	18.71	18.66	18.63	18.60	18.55
64	5320	17.07	--	--	--	--	--	--	--
100	5500	17.29	--	--	--	--	--	--	--
116	5580	18.92	18.85	18.78	18.75	18.65	18.61	18.52	18.49
140	5700	17.78	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.44	18.32	18.29	18.26	18.22	18.18	18.15	18.10
144(U-NII-3)	5720	9.52	9.47	9.40	9.31	9.22	9.14	9.04	8.96
149	5745	18.97	--	--	--	--	--	--	--
157	5785	18.95	18.87	18.83	18.78	18.72	18.63	18.60	18.55
165	5825	18.97	--	--	--	--	--	--	--

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

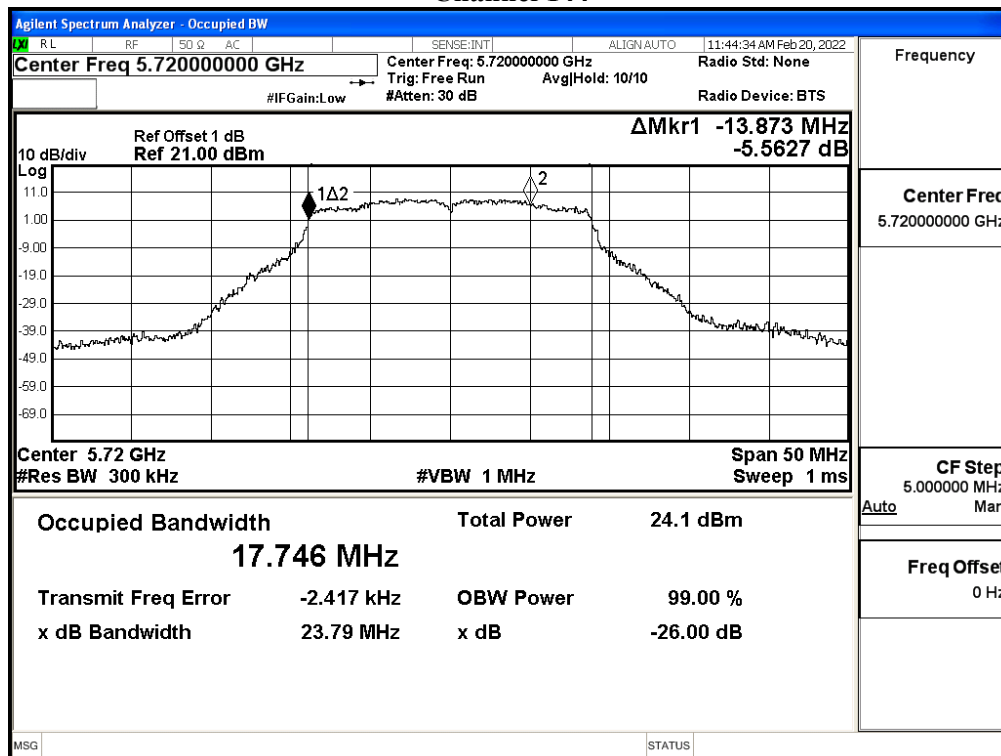
Maximum conducted output power Measurement:

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	18.04	24	--
40	5200	--	18.86	24	--
48	5240	--	18.82	24	--
52	5260	26.930	18.88	24	25.30
56	5280	27.920	18.83	24	25.46
64	5320	25.030	17.07	24	24.98
100	5500	25.230	17.29	24	25.02
116	5580	23.300	18.92	24	24.67
140	5700	25.930	17.78	24	25.14
144(U-NII-2C)	5720	17.930	18.44	24	23.54
144(U-NII-3)	5720	--	9.52	30	--
149	5745	--	18.97	30	--
157	5785	--	18.95	30	--
165	5825	--	18.97	30	--

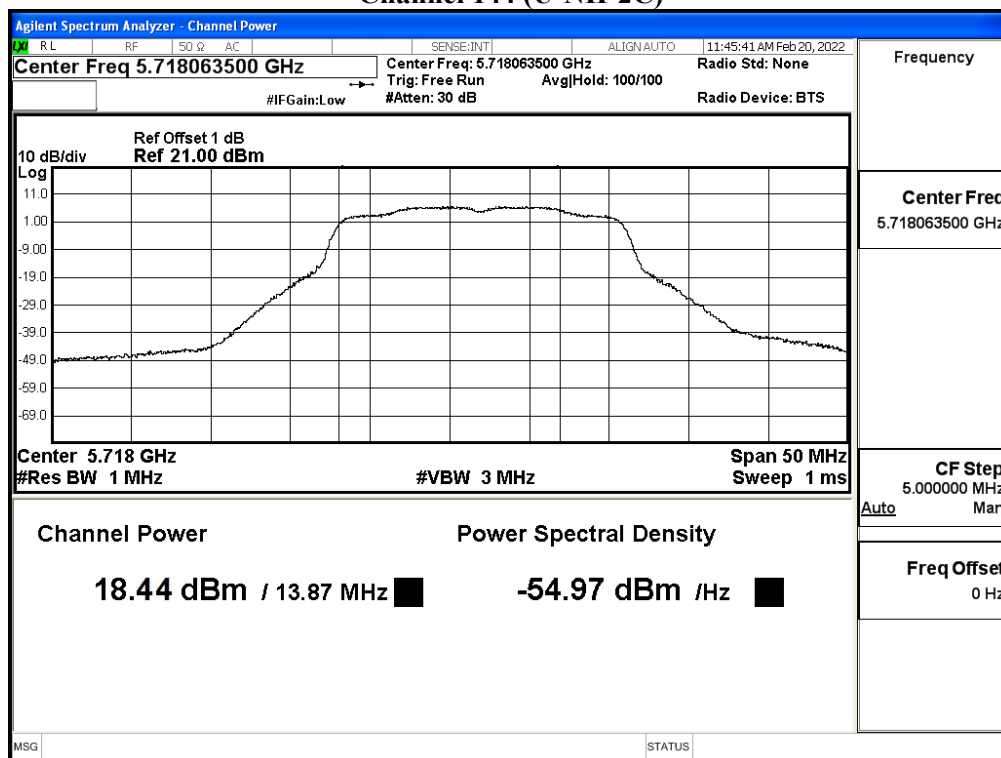
26dB Occupied Bandwidth: Channel 116



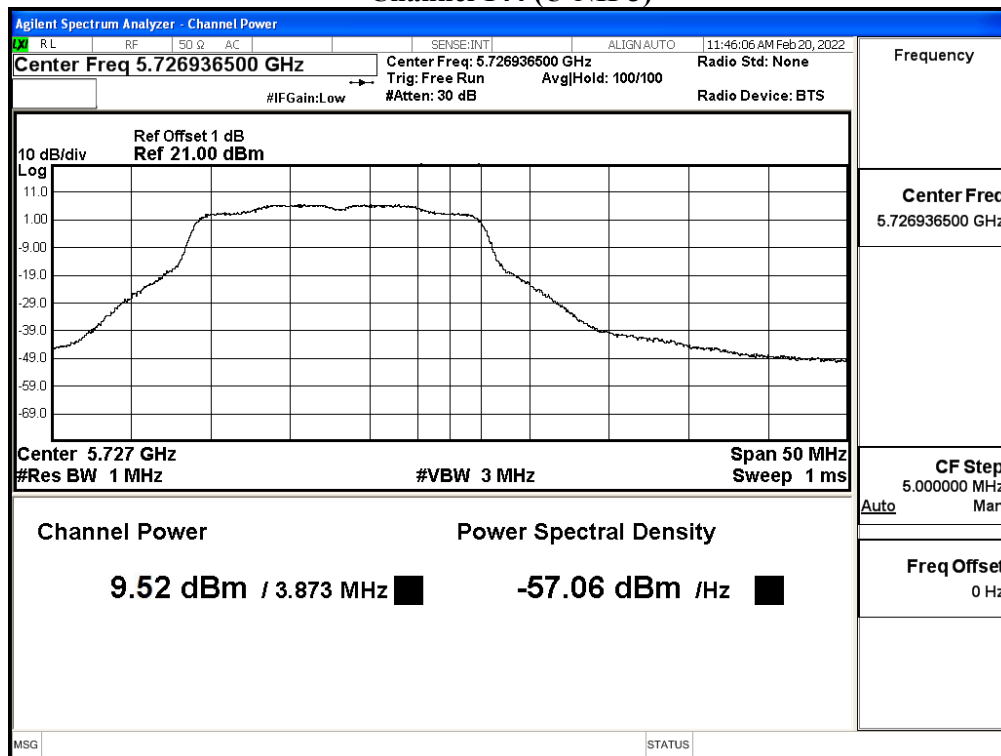
99% Occupied Bandwidth: Channel 144



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



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



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 3 SISO A: Transmit (802.11n-40BW 15Mbps)
 Test Date : 2022/02/22

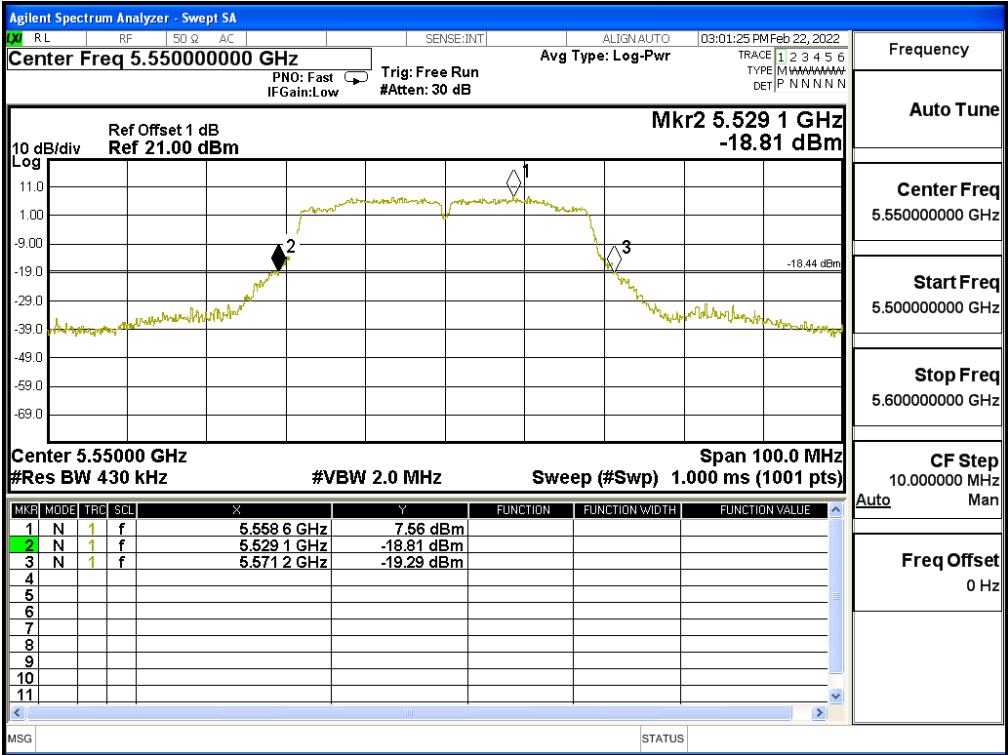
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate							
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7
		Measurement Level (dBm)							
38	5190	18.24	--	--	--	--	--	--	--
46	5230	18.99	18.96	18.89	18.84	18.77	18.71	18.67	18.61
54	5270	18.94	--	--	--	--	--	--	--
62	5310	16.56	16.51	16.47	16.40	16.34	16.27	16.22	16.18
102	5510	17.47	--	--	--	--	--	--	--
110	5550	18.86	18.78	18.68	18.63	18.55	18.52	18.44	18.39
134	5670	18.86	--	--	--	--	--	--	--
142(U-NII-2C)	5710	18.72	18.63	18.58	18.49	18.42	18.33	18.27	18.20
142(U-NII-3)	5710	6.46	6.42	6.35	6.32	6.27	6.24	6.15	6.06
151	5755	18.95	--	--	--	--	--	--	--
159	5795	18.92	18.83	18.76	18.66	18.63	18.54	18.45	18.35

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

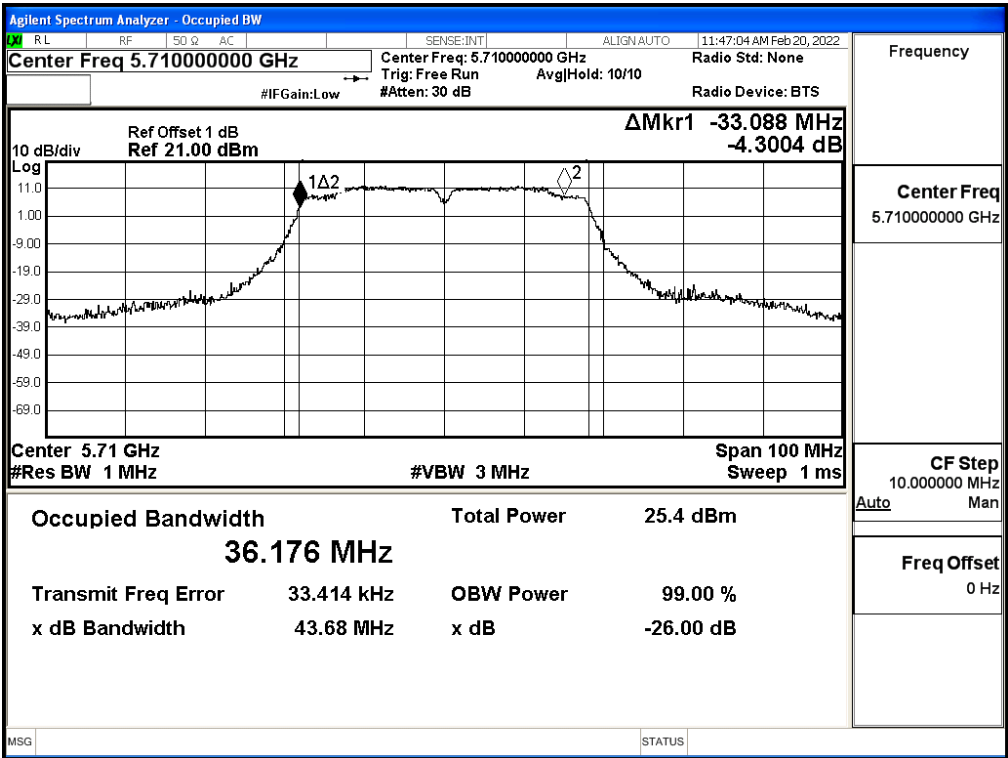
Maximum conducted output power Measurement:

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
38	5190	--	18.24	24	--
46	5230	--	18.99	24	--
54	5270	46.760	18.94	24	27.70
62	5310	44.960	16.56	24	27.53
102	5510	45.050	17.47	24	27.54
110	5550	42.100	18.86	24	27.24
134	5670	45.950	18.86	24	27.62
142(U-NII-2C)	5710	39.520	18.72	24	26.97
142(U-NII-3)	5710	--	6.46	30	--
151	5755	--	18.95	30	--
159	5795	--	18.92	30	--

26dB Occupied Bandwidth:
Channel 110

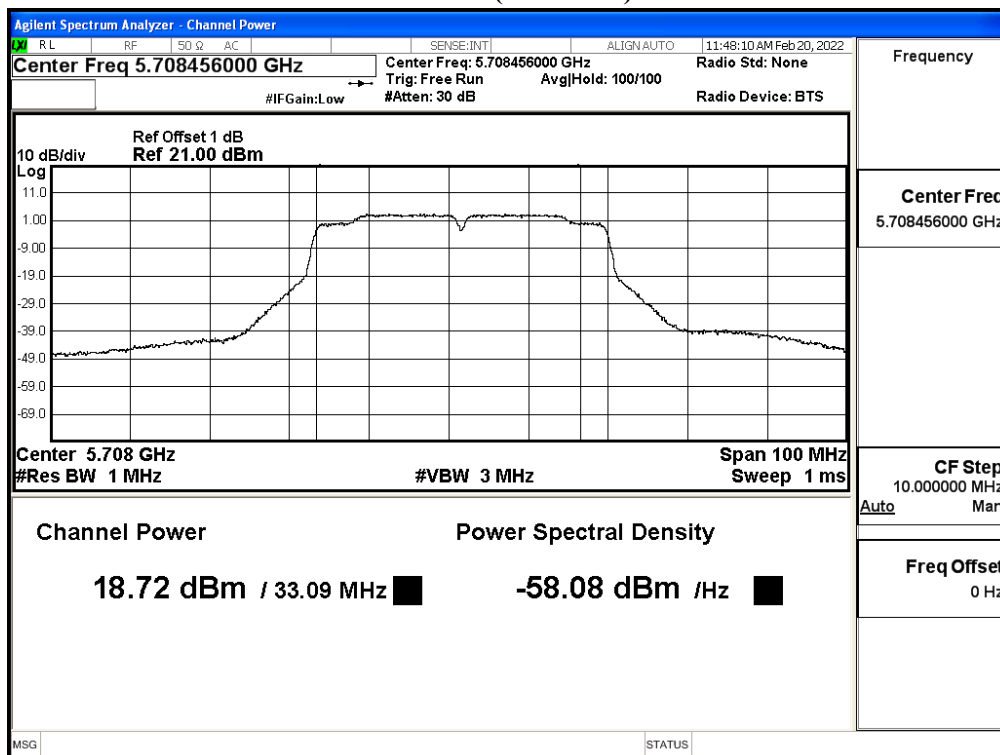


99% Occupied Bandwidth:
Channel 142



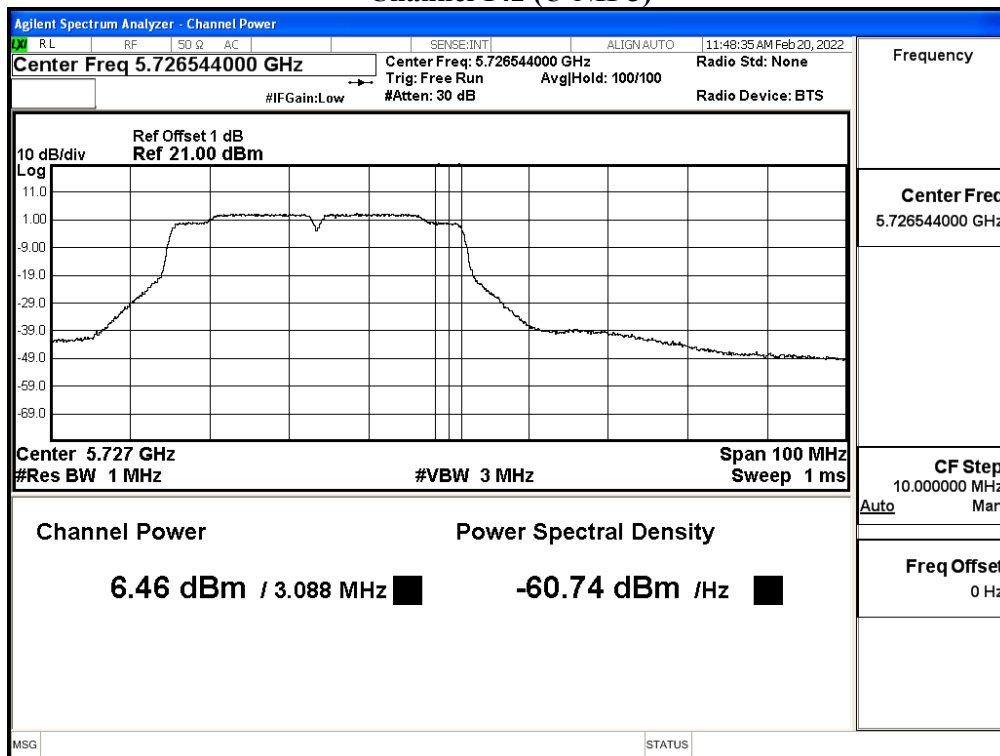
Maximum conducted output power:

Channel 142 (U-NII-2C)



Maximum conducted output power:

Channel 142 (U-NII-3)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 4 SISO A: Transmit (802.11ac-80BW 32.5Mbps)
 Test Date : 2022/02/20

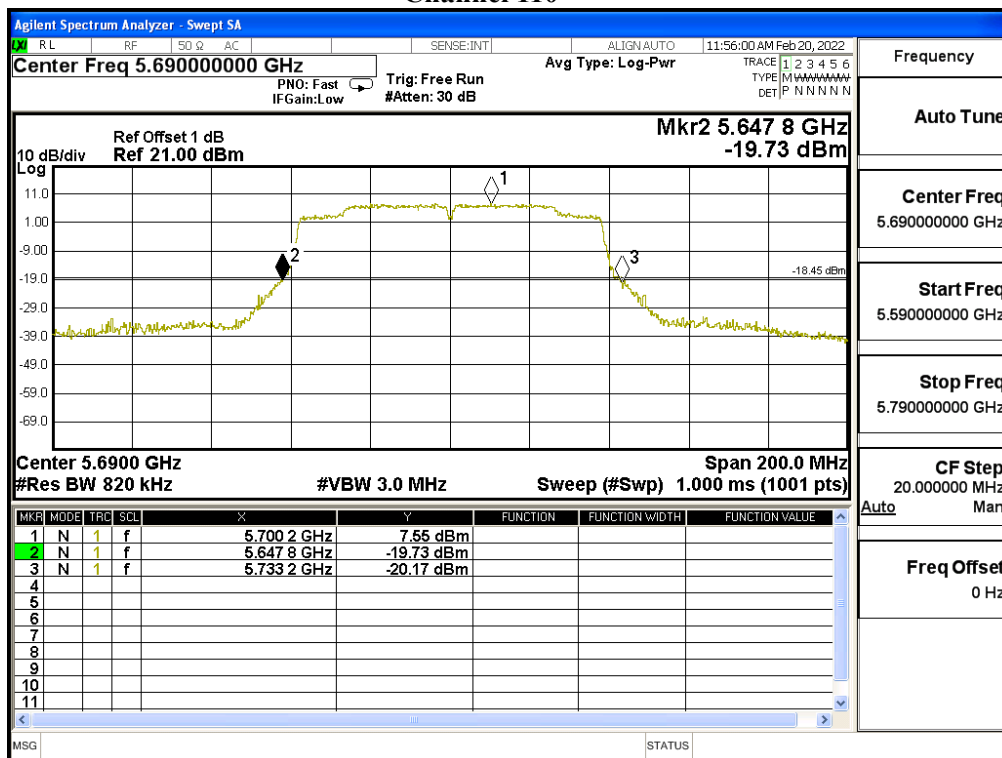
Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate									
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9
42	5210	18.09	18.05	17.98	17.95	17.92	17.89	17.84	17.79	17.75	17.71
58	5290	17.14	17.10	17.06	17.01	16.94	16.88	16.82	16.75	16.70	16.63
106	5530	17.63	--	--	--	--	--	--	--	--	--
122	5610	18.82	18.76	18.70	18.64	18.59	18.51	18.45	18.42	18.35	18.32
138 (U-NII-2C)	5690	18.89	18.81	18.71	18.63	18.53	18.47	18.39	18.31	18.21	18.18
138 (U-NII-3)	5690	1.48	1.38	1.30	1.27	1.20	1.13	1.05	1.02	0.93	0.84
155	5775	18.97	18.87	18.77	18.71	18.61	18.57	18.48	18.40	18.32	18.25

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

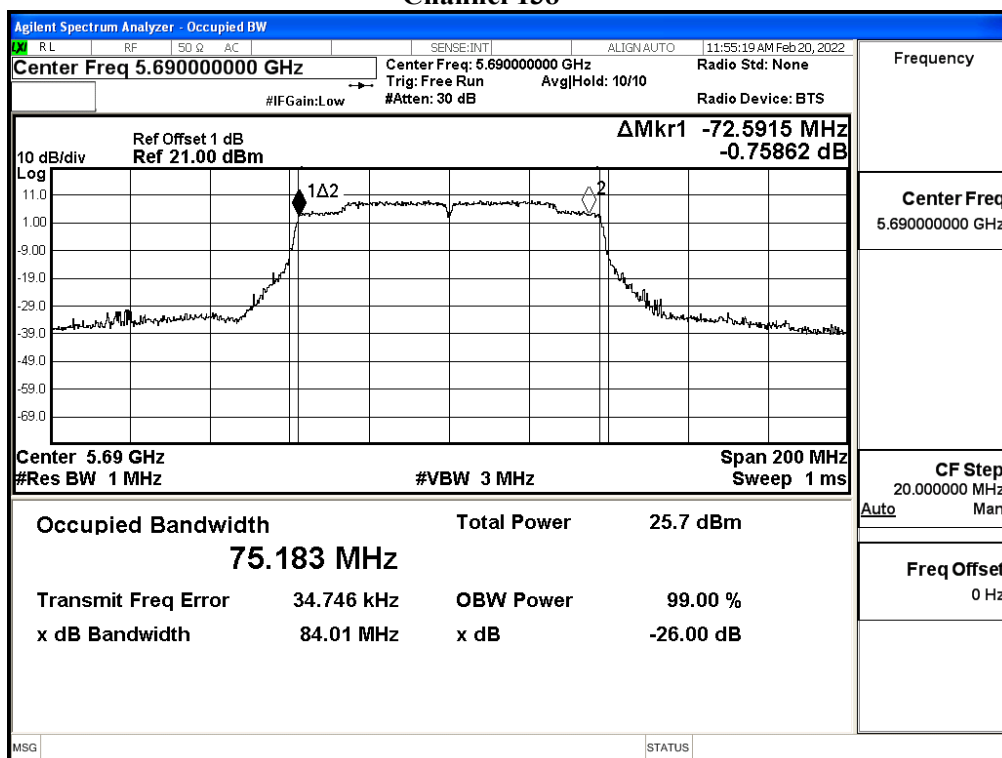
Maximum conducted output power Measurement:

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42	5210	--	18.09	24	--	Pass
58	5290	86.730	17.14	24	30.38	Pass
106	5530	90.120	17.63	24	30.55	Pass
122	5610	94.330	18.82	24	30.75	Pass
138 (U-NII-2C)	5690	77.2	18.89	24	29.88	Pass
138 (U-NII-3)	5690	--	1.48	30	--	Pass
155	5775	--	18.97	30	--	Pass

26dB Occupied Bandwidth: Channel 110

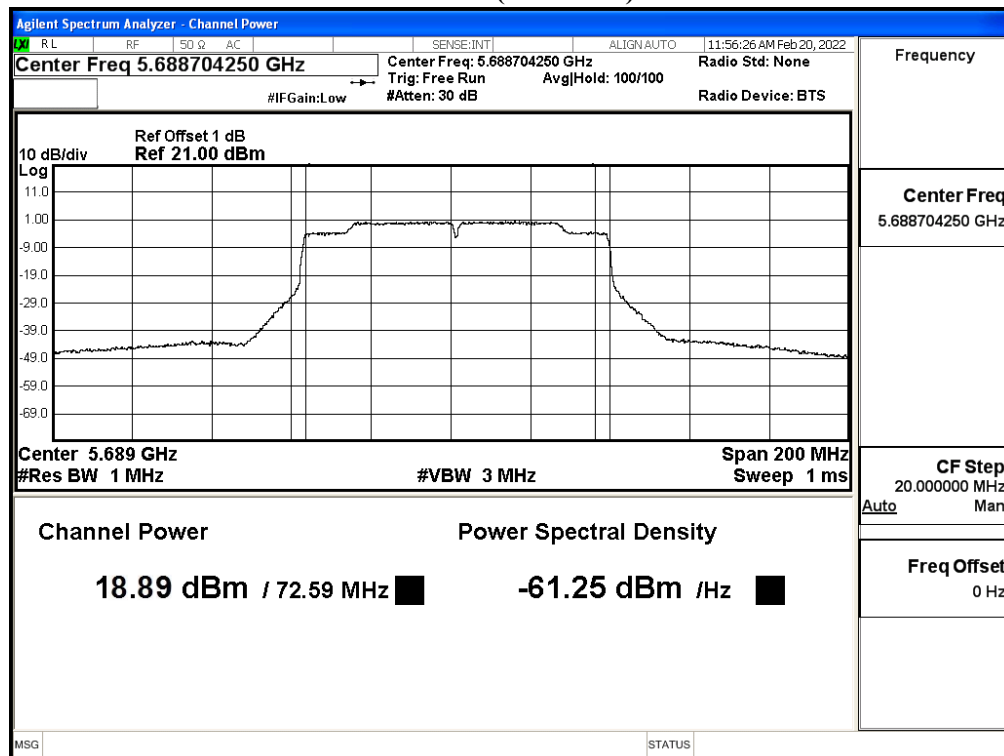


99% Occupied Bandwidth: Channel 138



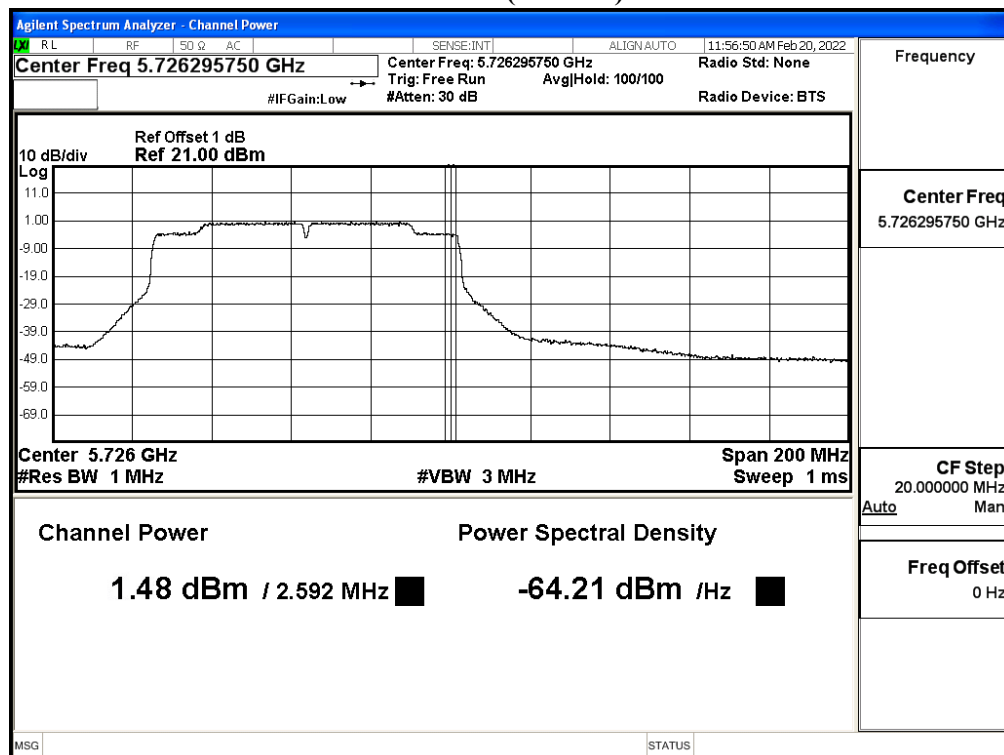
Maximum conducted output power:

Channel 138 (U-NII-2C)



Maximum conducted output power:

Channel 138 (U-NII-3)



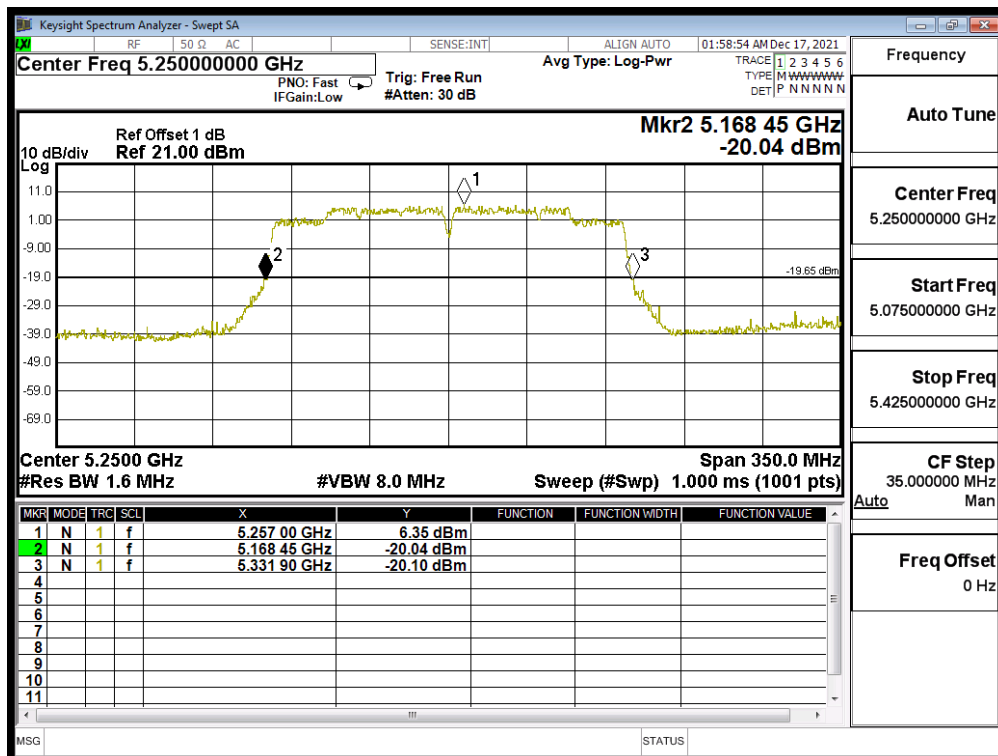
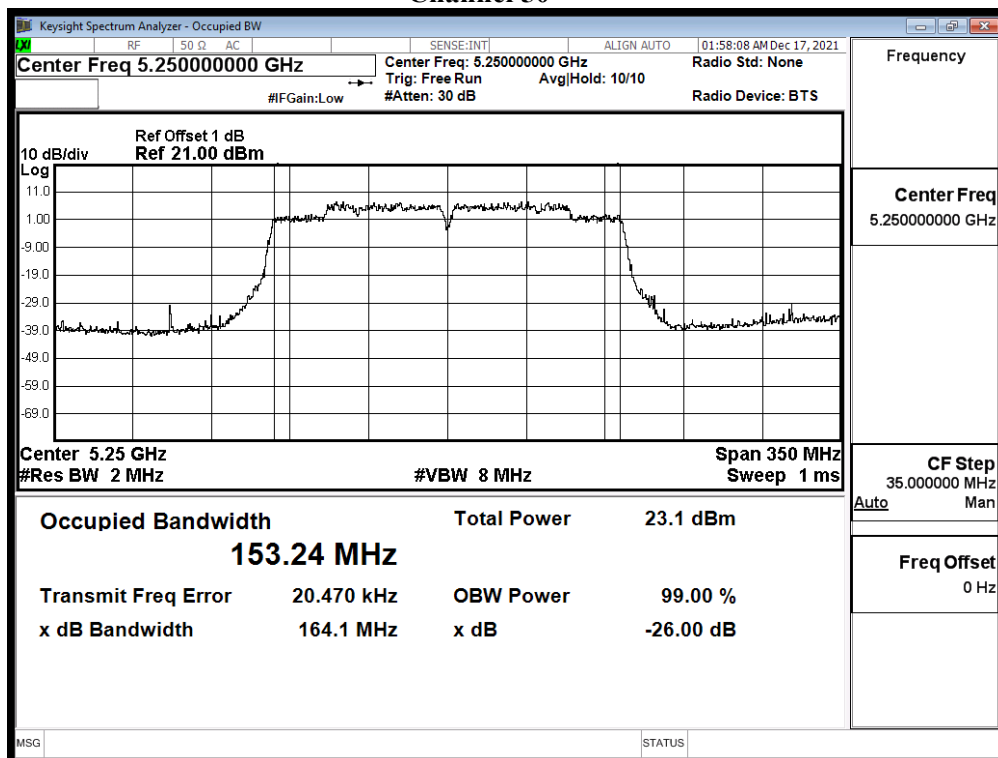
Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 5 SISO A: Transmit (802.11ac-160BW 65Mbps)
 Test Date : 2021/12/17

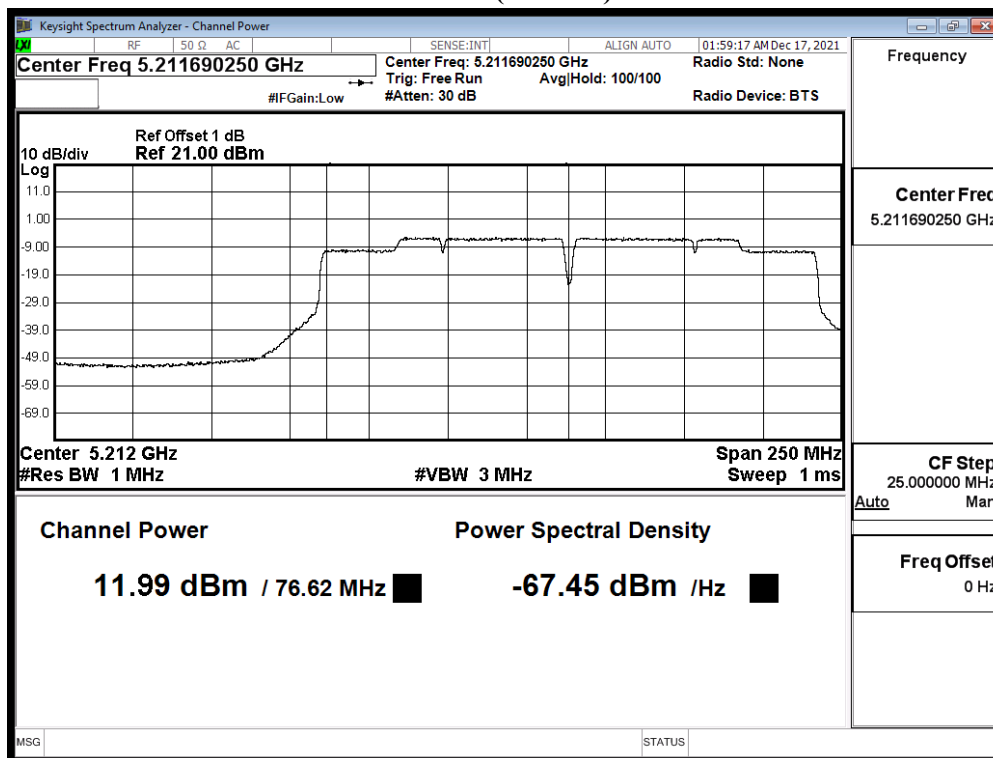
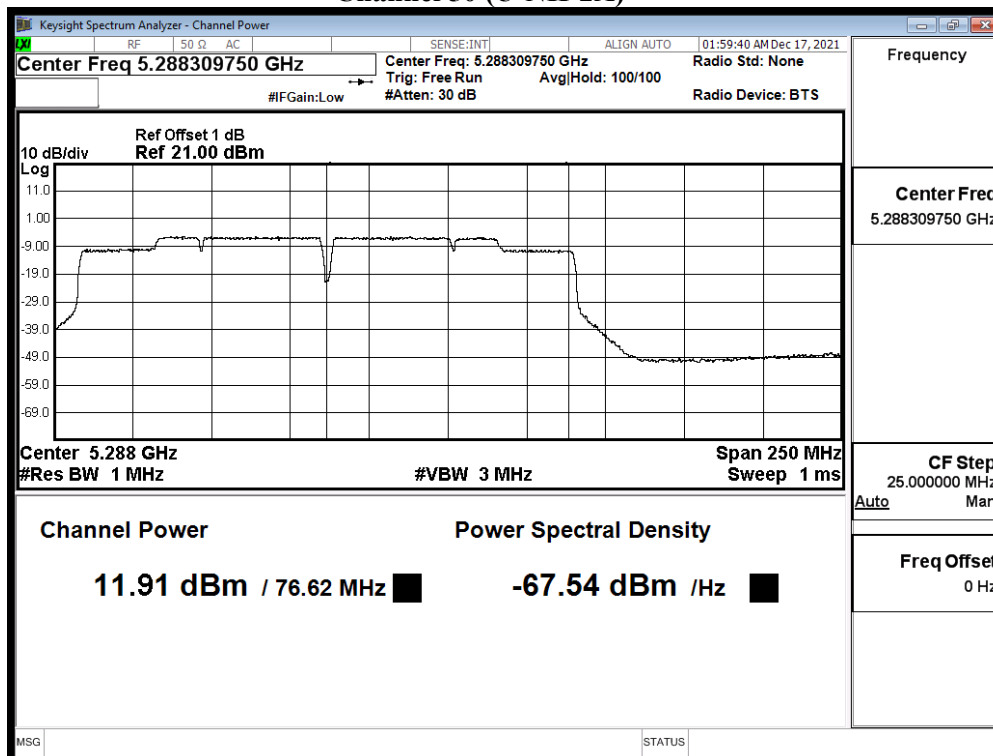
Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate									
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9
50 (U-NII-1)	5250	11.99	11.94	11.88	11.82	11.77	11.72	11.67	11.60	11.54	11.50
50 (U-NII-2A)	5250	11.91	11.87	11.83	11.77	11.72	11.67	11.63	11.60	11.53	11.47
114	5570	14.53	14.46	14.40	14.30	14.20	14.14	14.08	13.98	13.92	13.86

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

Maximum conducted output power Measurement:

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50 (U-NII-1)	5250	--	11.99	24	--	Pass
50 (U-NII-2A)	5250	81.900	11.91	24	30.13	Pass
114	5570	164.840	14.53	24	33.17	Pass

26dB Occupied Bandwidth:**Channel 50****99% Occupied Bandwidth:****Channel 50**

Maximum conducted output power:**Channel 50 (U-NII-1)****Maximum conducted output power:****Channel 50 (U-NII-2A)**

Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 6 SISO A: Transmit (802.11ax-20BW 8.6Mbps)
 Test Date : 2022/02/22

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
36	5180	17.69	--	--	--	--	--	--	--	--	--	--	--
40	5200	18.96	18.92	18.86	18.80	18.73	18.67	18.64	18.59	18.55	18.48	18.43	18.36
48	5240	18.91	--	--	--	--	--	--	--	--	--	--	--
52	5260	18.92	--	--	--	--	--	--	--	--	--	--	--
56	5280	18.88	18.83	18.77	18.72	18.66	18.60	18.56	18.53	18.46	18.40	18.34	18.29
64	5320	17.07	--	--	--	--	--	--	--	--	--	--	--
100	5500	17.48	--	--	--	--	--	--	--	--	--	--	--
116	5580	18.97	18.93	18.86	18.77	18.67	18.58	18.50	18.45	18.36	18.29	18.26	18.16
140	5700	17.49	--	--	--	--	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.22	18.13	18.08	17.99	17.94	17.86	17.78	17.68	17.64	17.54	17.51	17.48
144(U-NII-3)	5720	10.63	10.55	10.45	10.40	10.32	10.23	10.16	10.11	10.01	9.98	9.88	9.85
149	5745	18.97	--	--	--	--	--	--	--	--	--	--	--
157	5785	18.98	18.94	18.91	18.84	18.81	18.71	18.66	18.61	18.56	18.49	18.40	18.30
165	5825	18.97	--	--	--	--	--	--	--	--	--	--	--

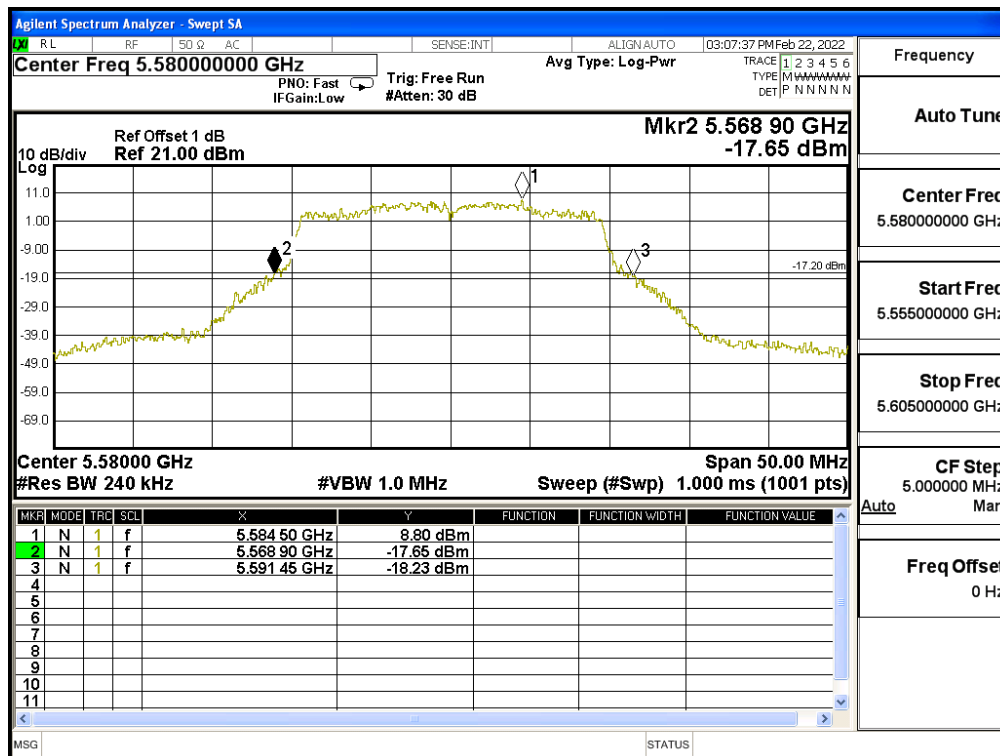
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	17.69	24	--	Pass
40	5200	--	18.96	24	--	Pass
48	5240	--	18.91	24	--	Pass
52	5260	28.480	18.92	24	25.55	Pass
56	5280	28.030	18.88	24	25.48	Pass
64	5320	24.070	17.07	24	24.81	Pass
100	5500	24.980	17.48	24	24.98	Pass
116	5580	22.550	18.97	24	24.53	Pass
140	5700	24.920	17.49	24	24.97	Pass
144(U-NII-2C)	5720	18.020	18.22	24	23.56	Pass
144(U-NII-3)	5720	--	10.63	30	--	Pass
149	5745	--	18.97	30	--	Pass
157	5785	--	18.98	30	--	Pass
165	5825	--	18.97	30	--	Pass

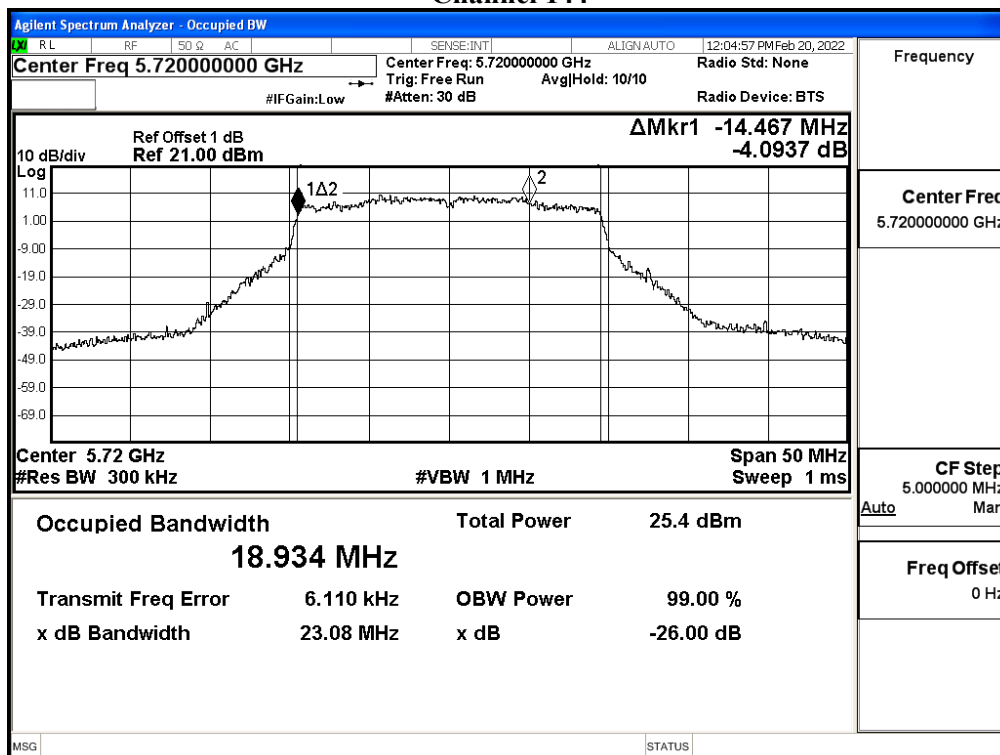
26dB Occupied Bandwidth:

Channel 116

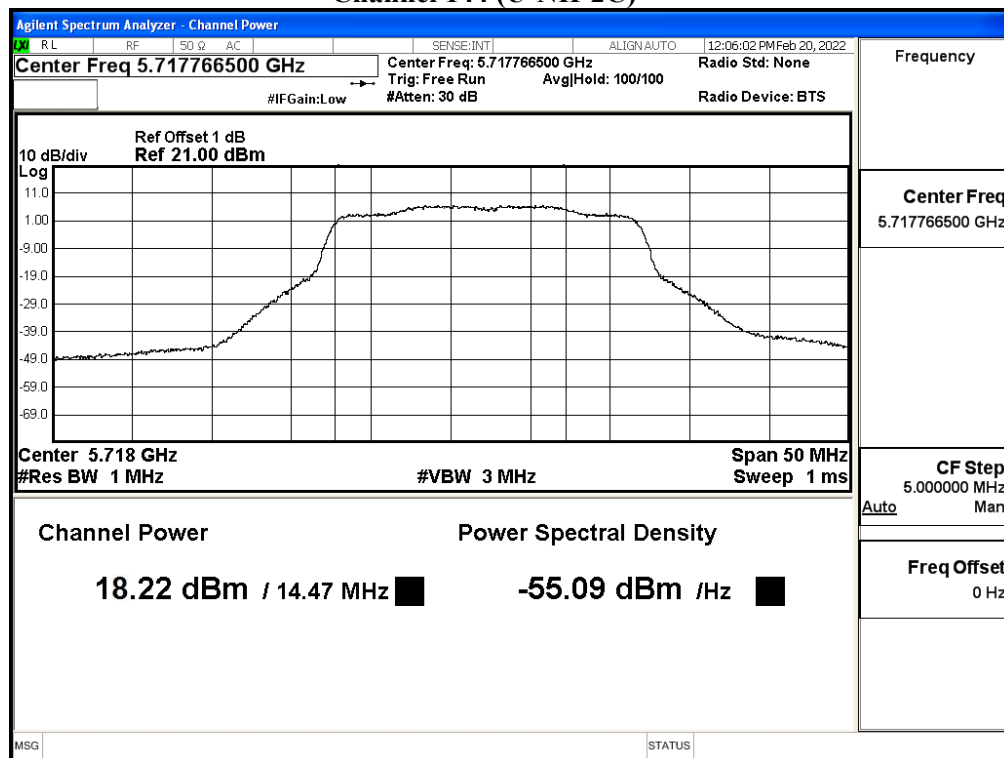


99% Occupied Bandwidth:

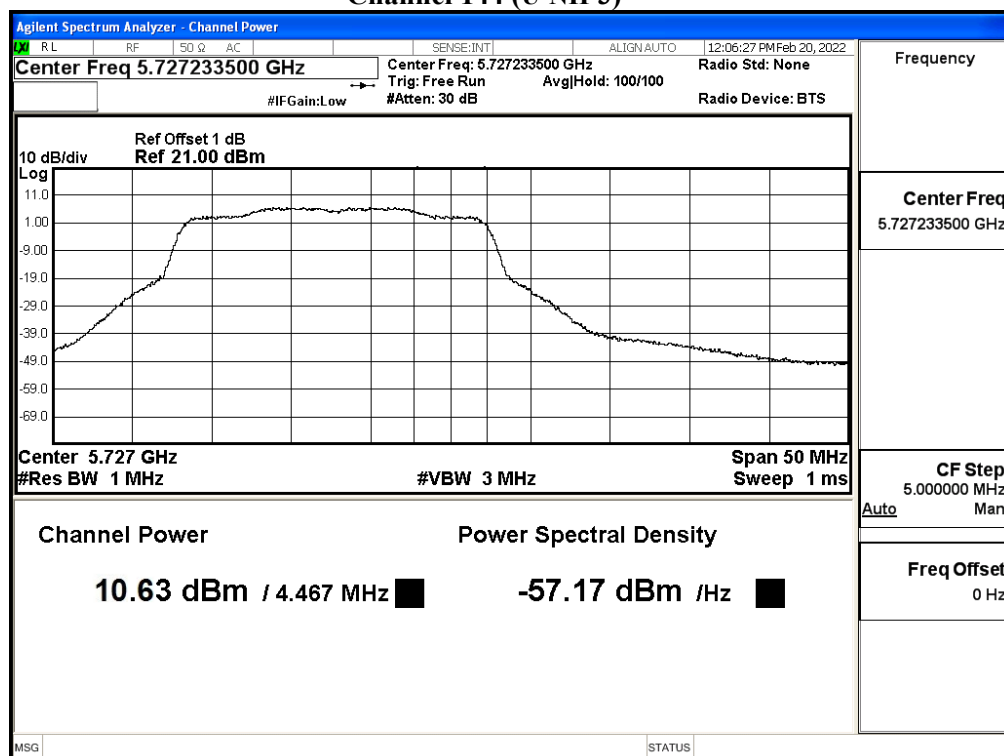
Channel 144



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



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



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 7 SISO A: Transmit (802.11ax-40BW 17.2Mbps)
 Test Date : 2022/02/22

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
38	5190	17.77	--	--	--	--	--	--	--	--	--	--	--
46	5230	18.95	18.89	18.86	18.79	18.76	18.71	18.68	18.63	18.58	18.52	18.47	18.42
54	5270	18.91	--	--	--	--	--	--	--	--	--	--	--
62	5310	16.24	16.20	16.15	16.09	16.05	16.02	15.98	15.91	15.84	15.78	15.74	15.70
102	5510	17.33	--	--	--	--	--	--	--	--	--	--	--
110	5550	18.95	18.86	18.78	18.74	18.69	18.62	18.59	18.52	18.43	18.38	18.30	18.26
134	5670	18.96	--	--	--	--	--	--	--	--	--	--	--
142(U-NII-2C)	5710	18.71	18.63	18.53	18.45	18.42	18.33	18.27	18.21	18.13	18.05	17.99	17.96
142(U-NII-3)	5710	6.44	6.39	6.35	6.25	6.18	6.10	6.01	5.94	5.89	5.81	5.78	5.69
151	5755	18.97	--	--	--	--	--	--	--	--	--	--	--
159	5795	18.92	18.85	18.80	18.70	18.66	18.62	18.56	18.52	18.44	18.41	18.33	18.23

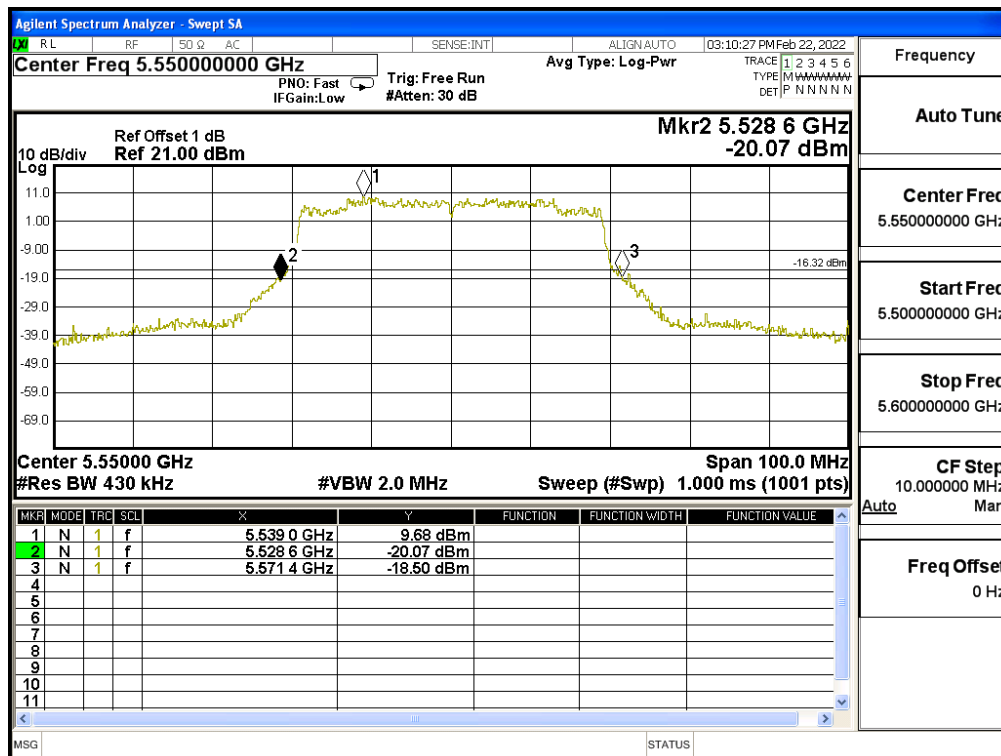
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	--	17.77	24	--	Pass
46	5230	--	18.95	24	--	Pass
54	5270	46.580	18.91	24	27.68	Pass
62	5310	44.950	16.24	24	27.53	Pass
102	5510	44.590	17.33	24	27.49	Pass
110	5550	42.800	18.95	24	27.31	Pass
134	5670	45.230	18.96	24	27.55	Pass
142(U-NII-2C)	5710	38.710	18.71	24	26.88	Pass
142(U-NII-3)	5710	--	6.44	30	--	Pass
151	5755	--	18.97	30	--	Pass
159	5795	--	18.92	30	--	Pass

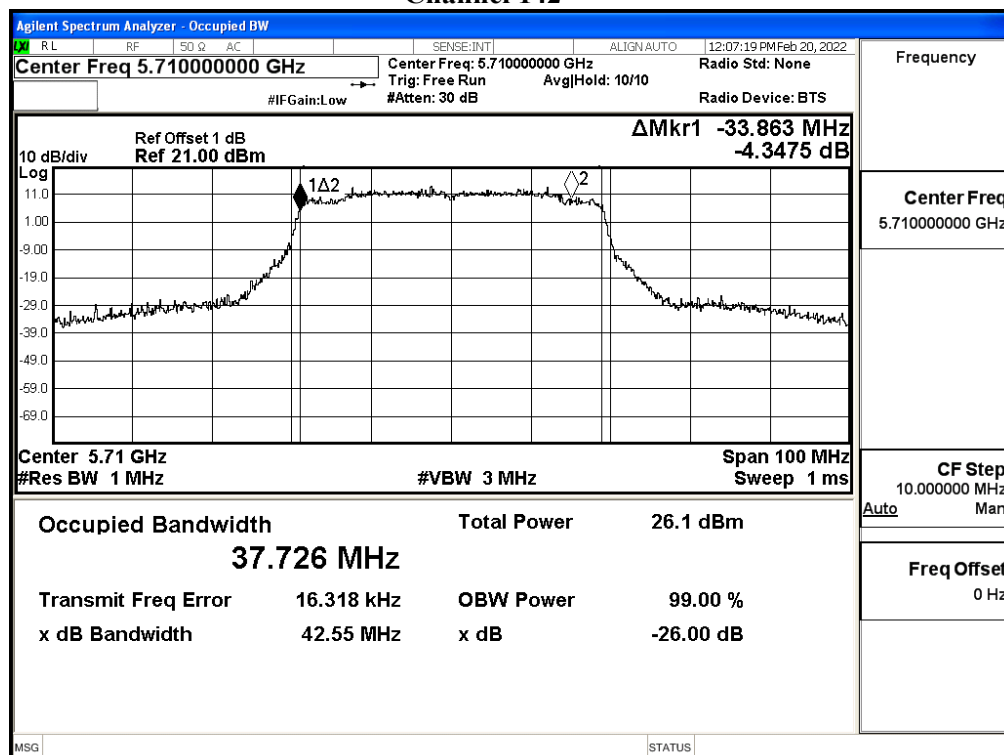
26dB Occupied Bandwidth:

Channel 110

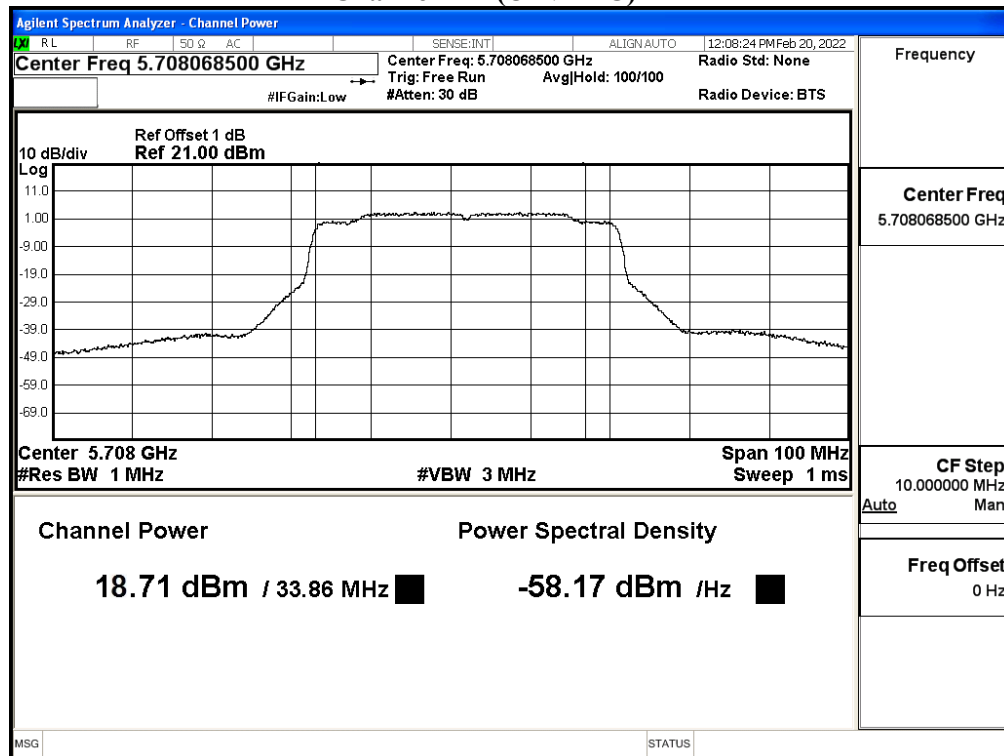


99% Occupied Bandwidth:

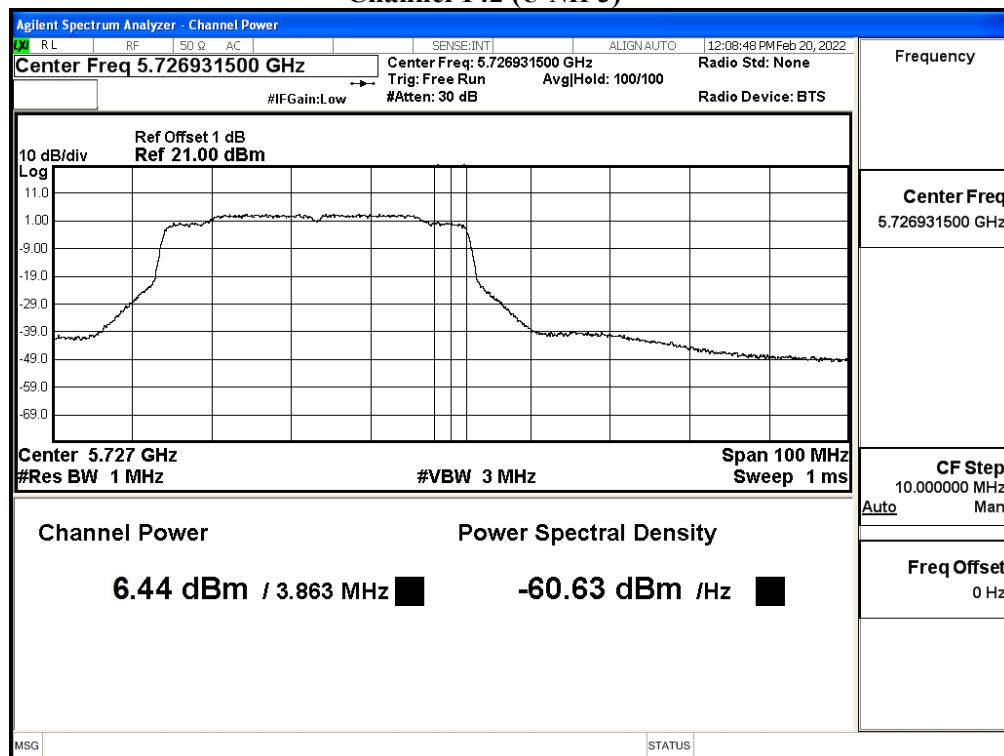
Channel 142



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



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



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 8 SISO A: Transmit (802.11ax-80BW 36Mbps)
 Test Date : 2022/02/20

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
42	5210	17.73	17.64	17.60	17.56	17.46	17.36	17.31	17.23	17.20	17.15	17.06	16.96
58	5290	17.31	17.26	17.20	17.16	17.11	17.04	16.99	16.96	16.91	16.86	16.83	16.77
106	5530	17.61	--	--	--	--	--	--	--	--	--	--	--
122	5610	18.93	18.86	18.77	18.68	18.59	18.53	18.50	18.41	18.32	18.23	18.18	18.10
138(U-NII-2C)	5690	18.85	18.78	18.75	18.71	18.63	18.53	18.44	18.41	18.35	18.32	18.26	18.18
138(U-NII-3)	5690	2.21	2.16	2.10	2.05	1.95	1.89	1.85	1.76	1.72	1.65	1.60	1.53
155	5775	18.97	18.87	18.77	18.70	18.67	18.57	18.51	18.44	18.41	18.35	18.31	18.24

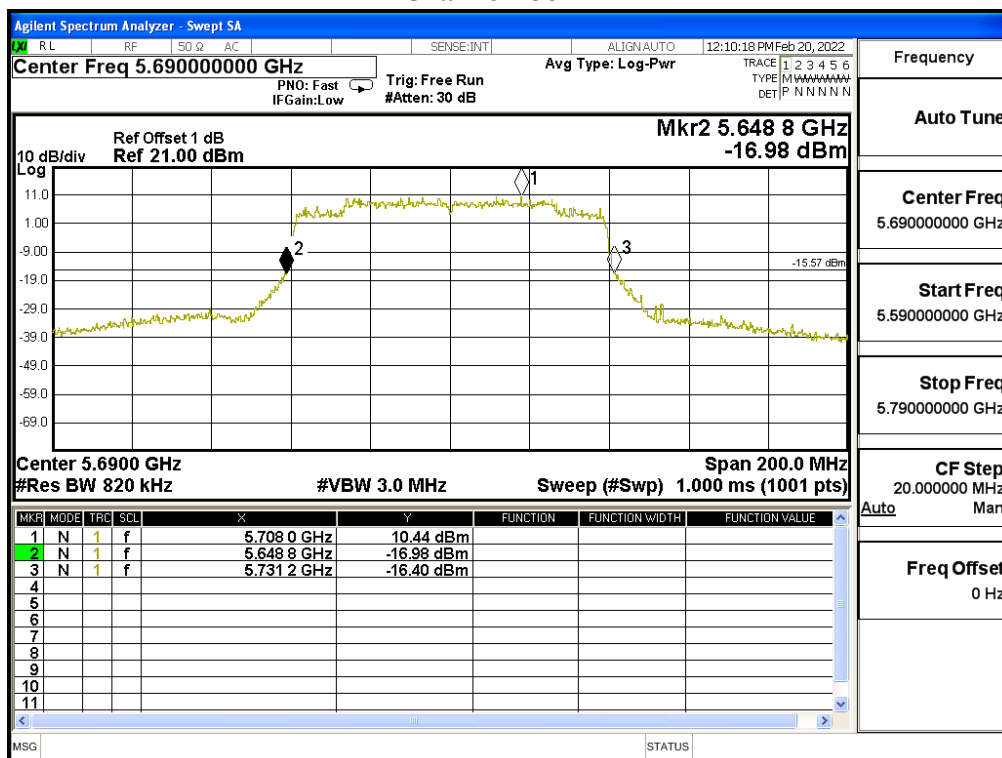
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42	5210	--	17.73	24	--	Pass
58	5290	85.020	17.31	24	30.30	Pass
106	5530	83.870	17.61	24	30.24	Pass
122	5610	84.440	18.93	24	30.27	Pass
138(U-NII-2C)	5690	76.200	18.85	24	29.82	Pass
138(U-NII-3)	5690	--	2.21	30	--	Pass
155	5775	--	18.97	30	--	Pass

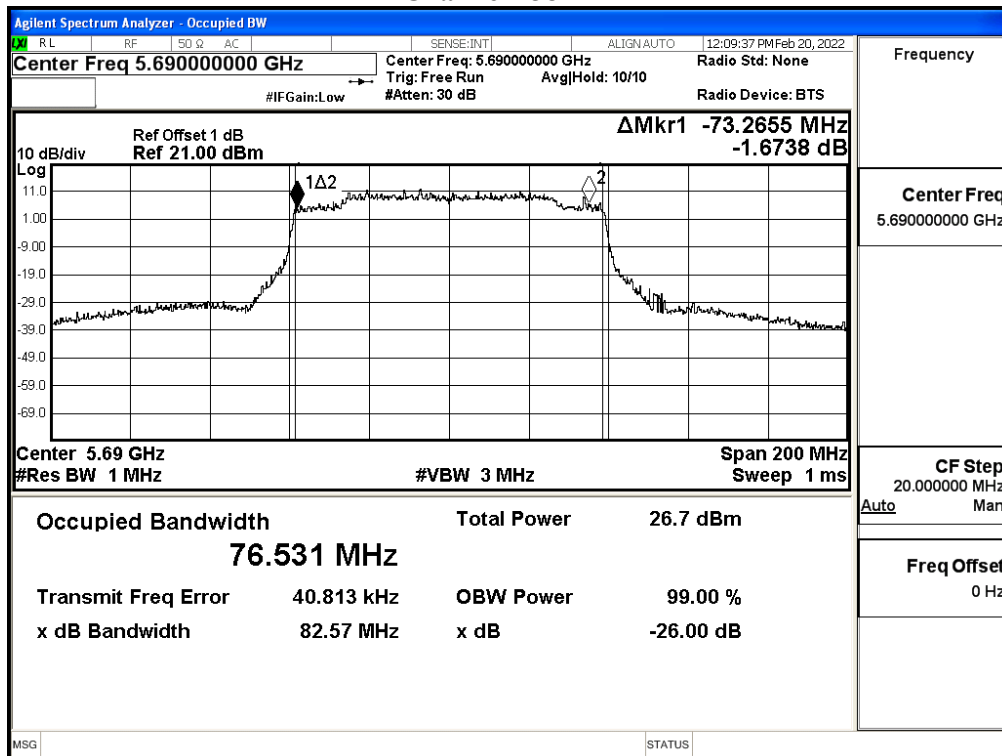
26dB Occupied Bandwidth:

Channel 138

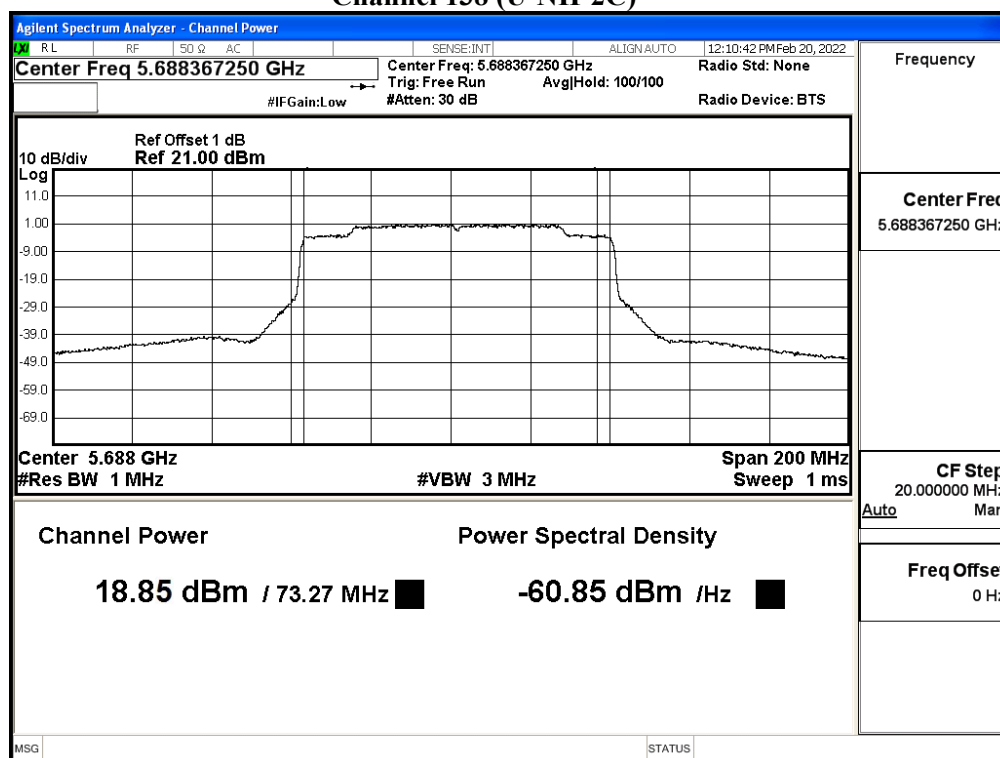


99% Occupied Bandwidth:

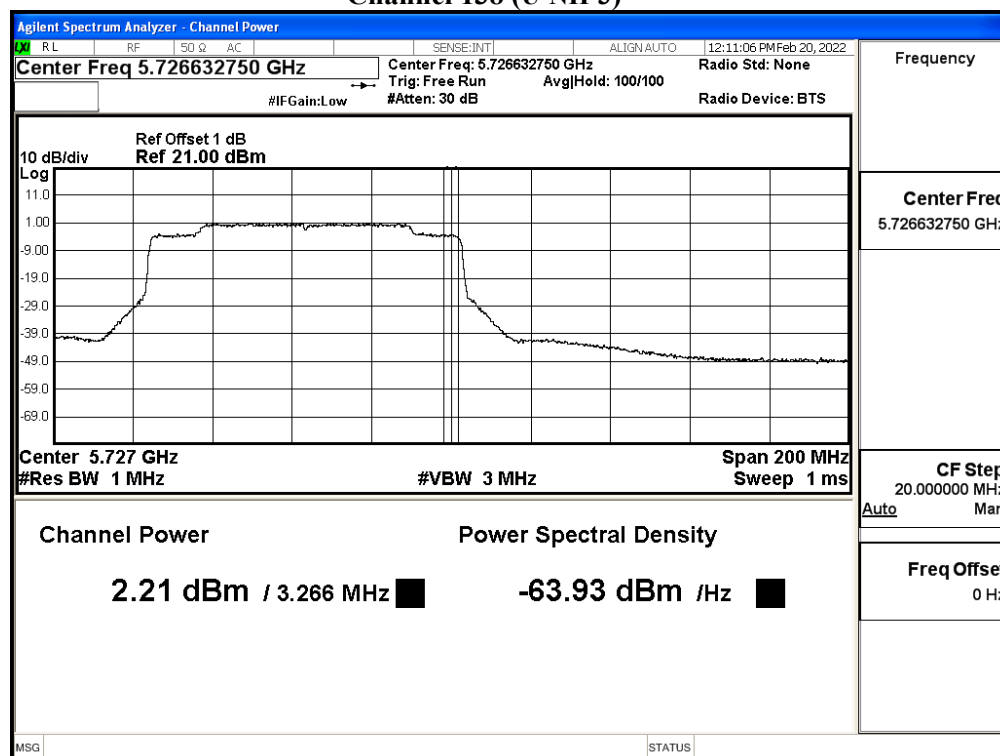
Channel 138



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



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



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 9 SISO A: Transmit (802.11ax-160BW 72.1Mbps)
 Test Date : 2021/12/17

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
50 (U-NII-1)	5250	11.86	11.80	11.74	11.67	11.60	11.55	11.51	11.46	11.43	11.39	11.36	11.30
50 (U-NII-2A)	5250	11.76	11.70	11.66	11.62	11.55	11.49	11.44	11.40	11.33	11.28	11.22	11.18
114	5570	14.67	14.59	14.50	14.42	14.33	14.23	14.15	14.09	14.00	13.97	13.89	13.82

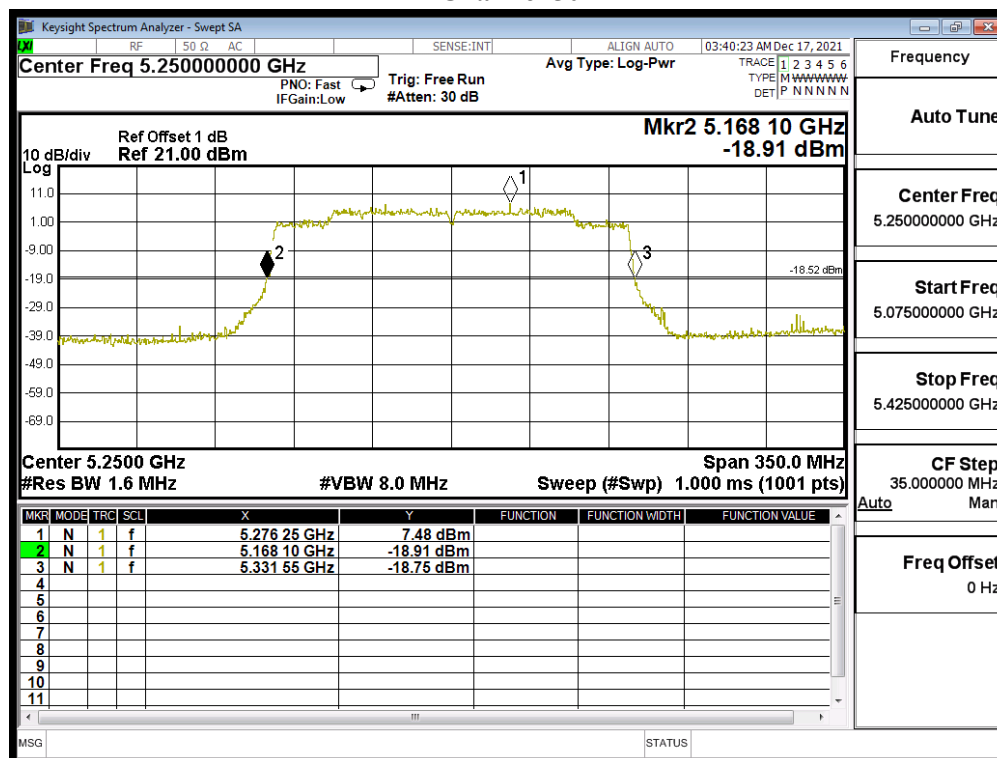
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Total Output Power (dBm)	Duty factor (dB)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
50 (U-NII-1)	5250	--	11.86	11.96	0.10	24	--	Pass
50 (U-NII-2A)	5250	81.550	11.76	11.86	0.10	24	30.11	Pass
114	5570	164.510	14.67	14.67	--	24	33.16	Pass

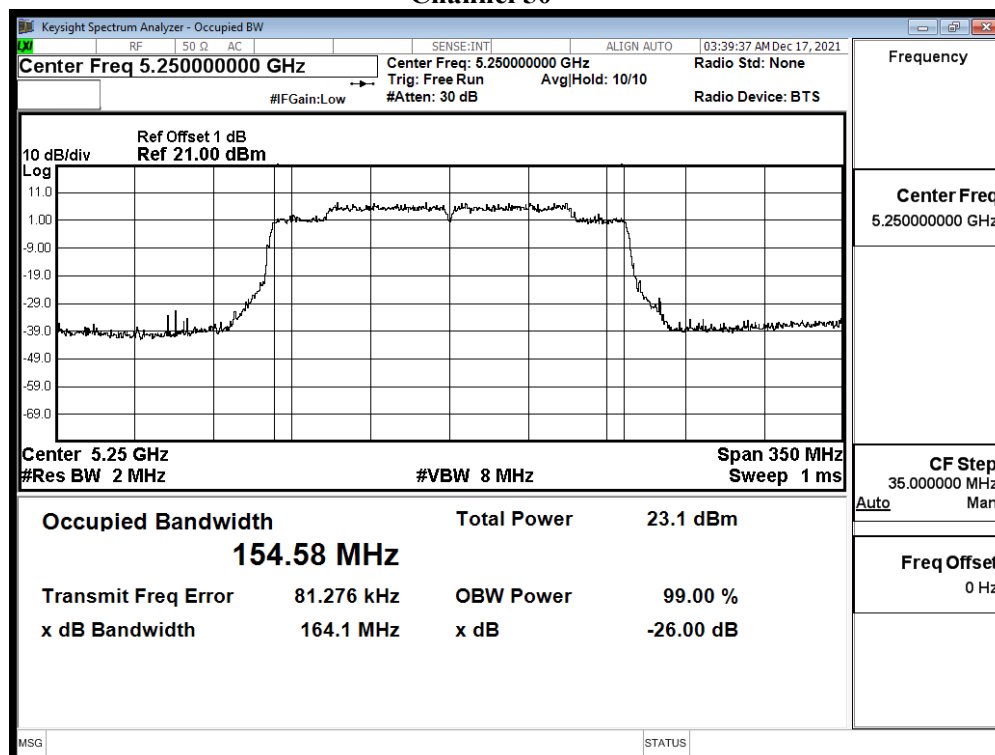
26dB Occupied Bandwidth:

Channel 50



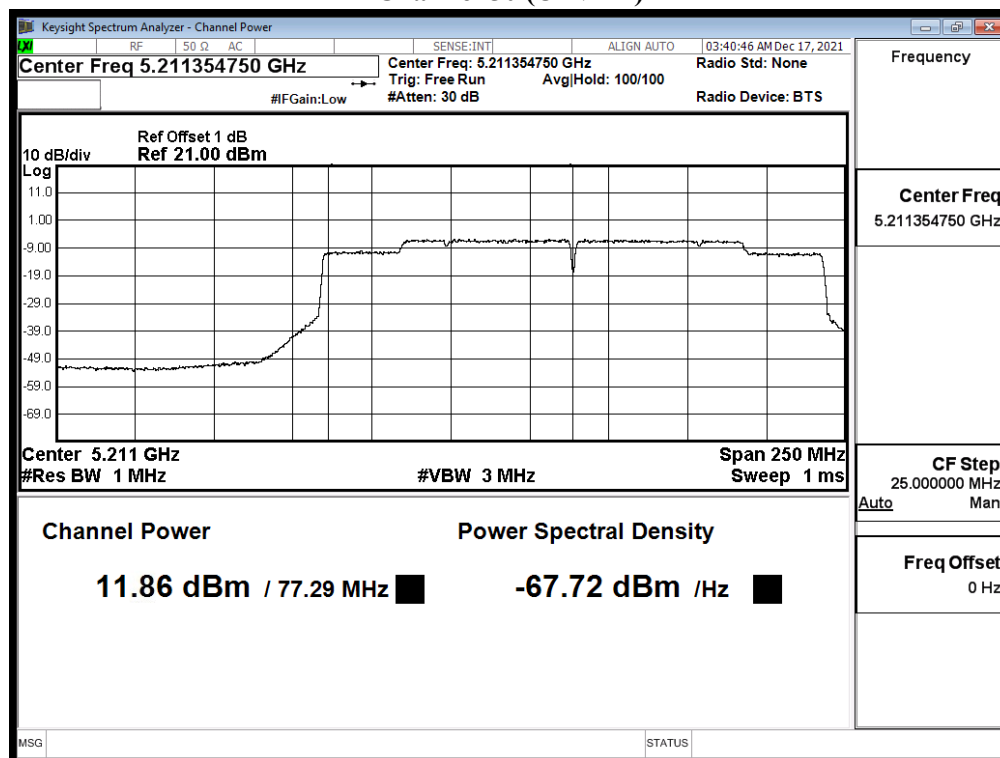
99% Occupied Bandwidth:

Channel 50



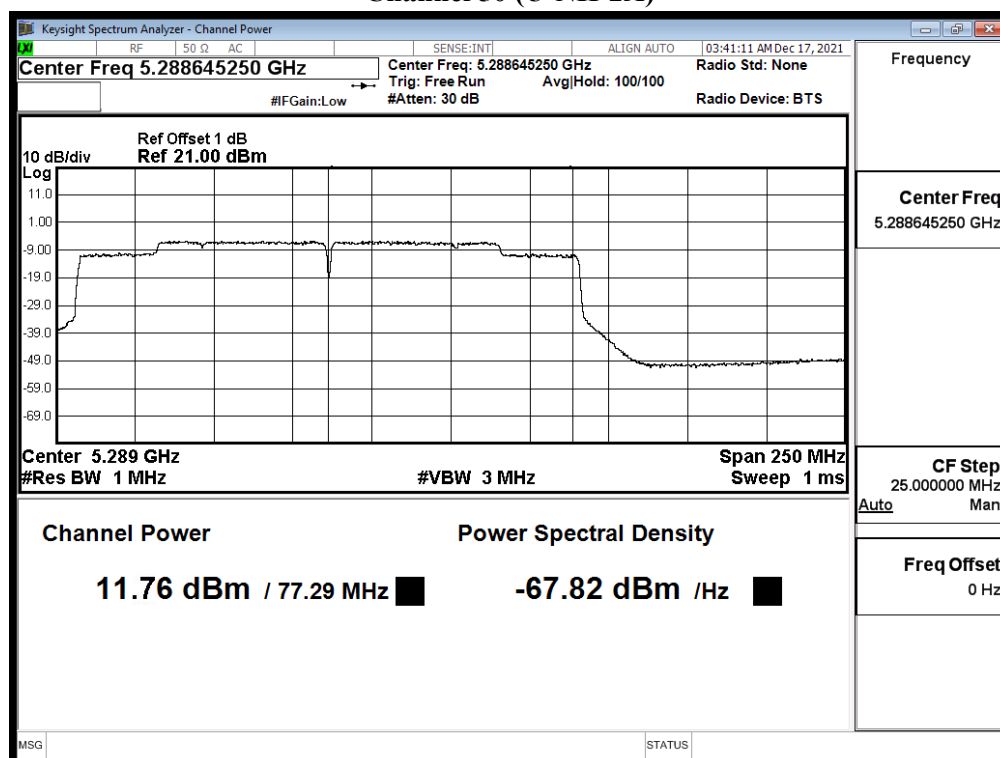
Maximum conducted output power:

Channel 50 (U-NII-1)



Maximum conducted output power:

Channel 50 (U-NII-2A)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 10 SISO A: Transmit (802.11ax-20BW Partial RU)
 Test Date : 2021/12/17

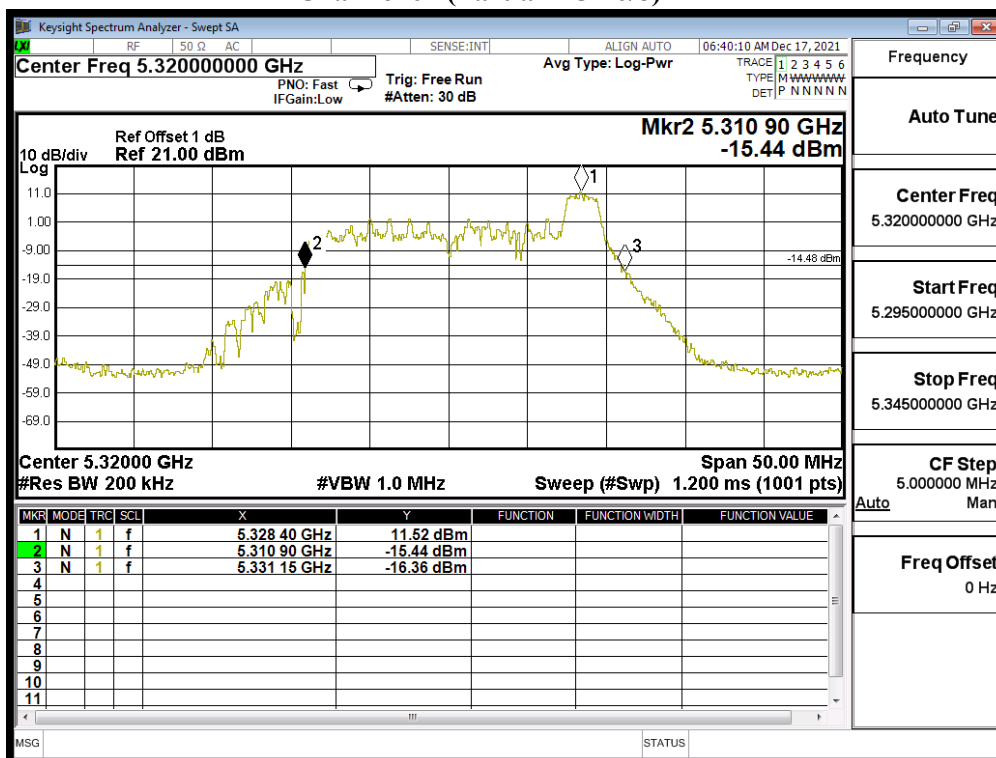
Cable loss=1dB		Maximum conducted output power												
Channel No.	Frequency (MHz)	Data Rate												
		Partial RU	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
36	5180	26/0	13.24	--	--	--	--	--	--	--	--	--	--	--
		52/37	16.53	16.47	16.41	16.36	16.32	16.29	16.25	16.20	16.15	16.10	16.03	15.98
		106/53	18.96	--	--	--	--	--	--	--	--	--	--	--
64	5320	26/8	13.29	--	--	--	--	--	--	--	--	--	--	--
		52/40	14.85	14.79	14.73	14.67	14.63	14.58	14.54	14.50	14.44	14.37	14.31	14.24
		106/54	18.69	--	--	--	--	--	--	--	--	--	--	--
100	5500	26/0	13.26	--	--	--	--	--	--	--	--	--	--	--
		52/37	16.42	16.33	16.25	16.17	16.08	16.01	15.98	15.90	15.80	15.70	15.63	15.55
		106/53	18.85	--	--	--	--	--	--	--	--	--	--	--
140	5700	26/8	13.47	--	--	--	--	--	--	--	--	--	--	--
		52/40	16.33	16.25	16.16	16.08	16.00	15.97	15.88	15.79	15.72	15.67	15.59	15.54
		106/54	18.86	--	--	--	--	--	--	--	--	--	--	--
149	5745	26/0	14.81	--	--	--	--	--	--	--	--	--	--	--
		52/37	17.56	17.52	17.43	17.34	17.27	17.17	17.14	17.08	17.02	16.97	16.88	16.79
		106/53	18.79	--	--	--	--	--	--	--	--	--	--	--

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

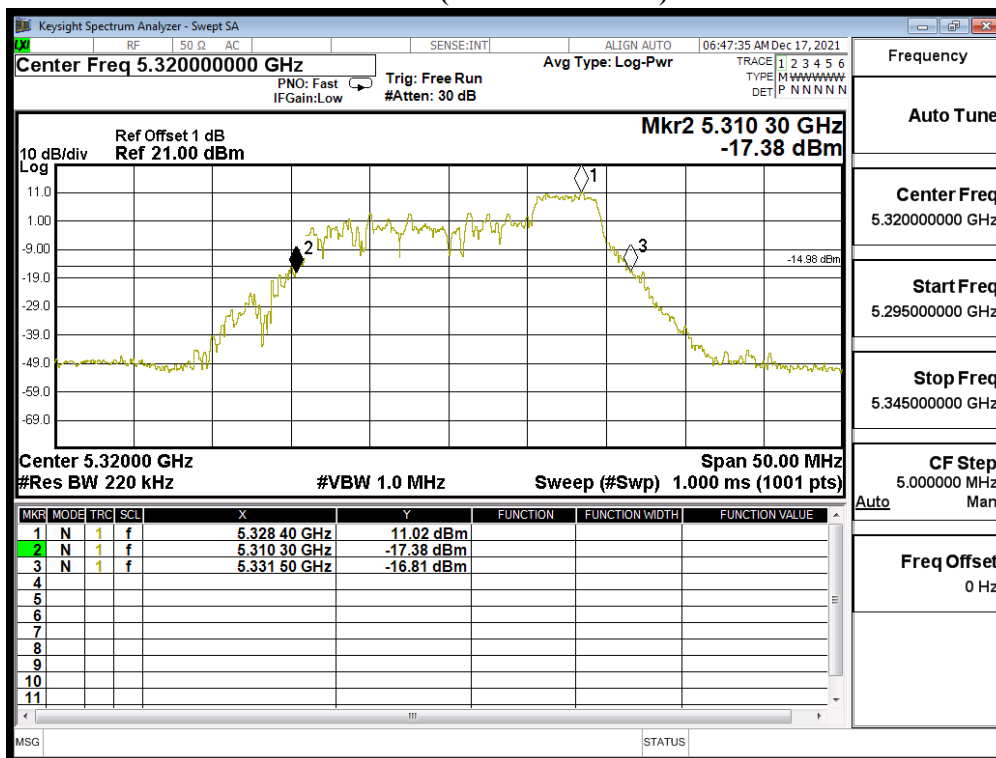
Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	Partial RU	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
					(dBm)	dBm+10log(BW)
36	5180	26/0	--	13.24	24	--
		52/37	--	16.53	24	--
		106/53	--	18.96	24	--
64	5320	26/8	21.070	13.29	24	24.24
		52/40	22.020	14.85	24	24.43
		106/54	22.970	18.69	24	24.61
100	5500	26/0	20.570	13.26	24	24.13
		52/37	21.420	16.42	24	24.31
		106/53	22.120	18.85	24	24.45
140	5700	26/8	20.720	13.47	24	24.16
		52/40	22.070	16.33	24	24.44
		106/54	24.370	18.86	24	24.87
149	5745	26/0	--	14.81	30	--
		52/37	--	17.56	30	--
		106/53	--	18.79	30	--

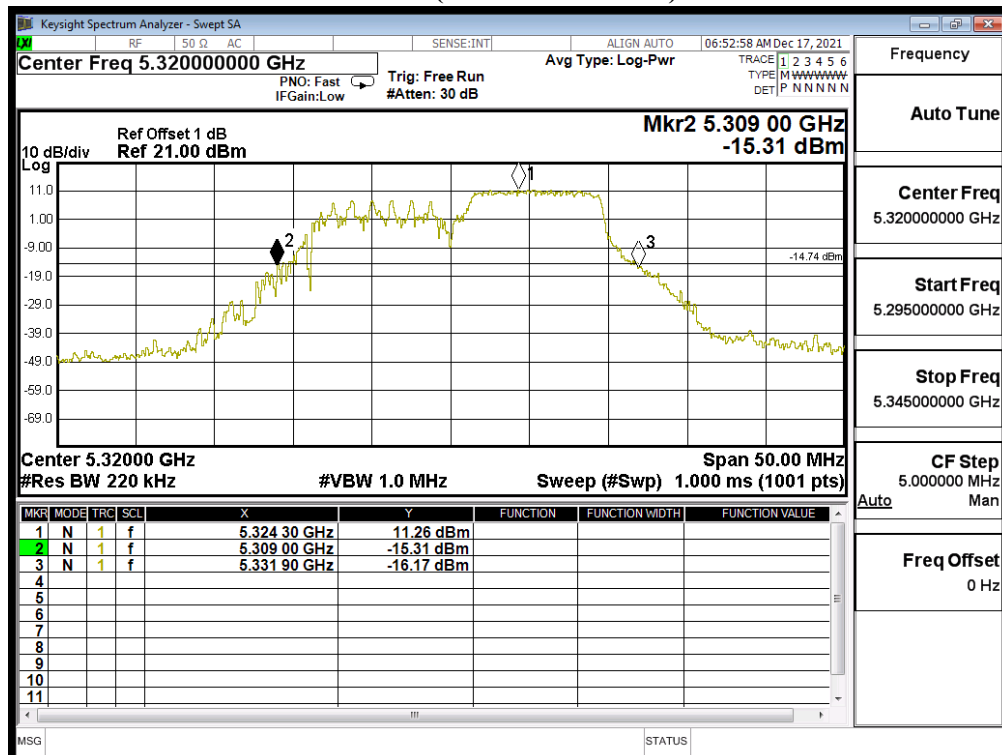
26dB Occupied Bandwidth:
Channel 64 (Partial RU 26/8)



Channel 64 (Partial RU 52/40)



Channel 64 (Partial RU 106/54)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 11 SISO A: Transmit (802.11ax-40BW Partial RU)
 Test Date : 2021/12/17

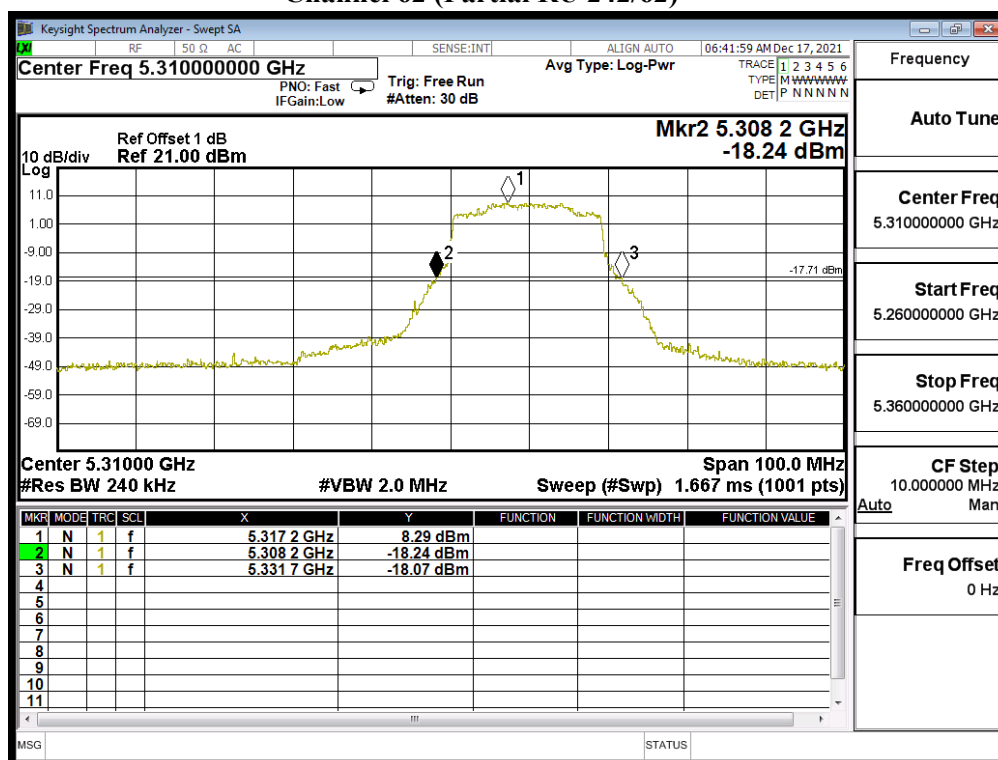
Cable loss=1dB		Maximum conducted output power												
Channel No	Frequency (MHz)	Data Rate												
		Partial RU	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
38	5190	242/61	17.86	--	--	--	--	--	--	--	--	--	--	--
62	5310	242/62	17.61	17.57	17.51	17.46	17.41	17.36	17.32	17.27	17.22	17.15	17.08	17.05
102	5510	242/61	18.00	--	--	--	--	--	--	--	--	--	--	--
134	5670	242/62	18.82	18.72	18.68	18.64	18.56	18.49	18.46	18.38	18.30	18.20	18.11	18.03
151	5755	242/61	18.88	--	--	--	--	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	Partial RU	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
					(dBm)	dBm+10log(BW)
38	5190	242/61	--	17.86	24	--
62	5310	242/62	24.960	17.61	24	24.97
102	5510	242/61	25.410	18.00	24	25.05
134	5670	242/62	25.140	18.82	24	25.00
151	5755	242/61	--	18.88	30	--

26dB Occupied Bandwidth:
Channel 62 (Partial RU 242/62)



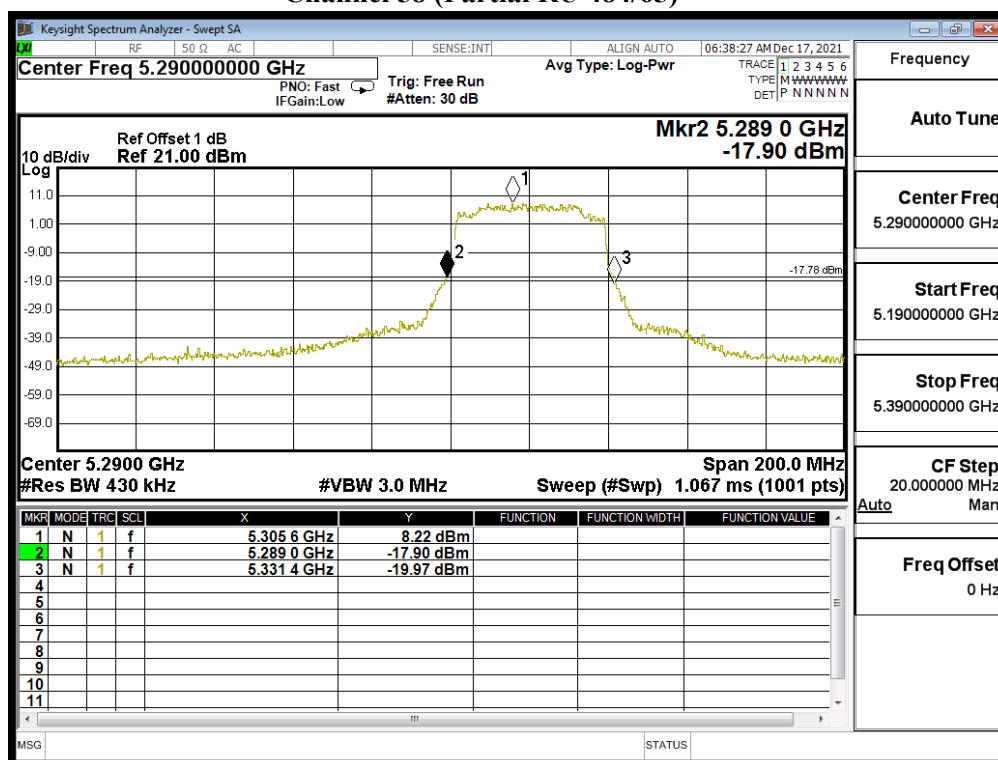
Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 12 SISO A: Transmit (802.11ax-80BW Partial RU)
 Test Date : 2021/12/17

Cable loss=1dB		Maximum conducted output power												
Channel No	Frequency (MHz)	Data Rate												
		Partial RU	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	484/65	17.46	17.42	17.35	17.30	17.26	17.22	17.18	17.14	17.09	17.05	17.02	16.99
58	5290	484/66	17.61	17.55	17.49	17.44	17.39	17.33	17.26	17.19	17.15	17.10	17.03	16.97
106	5530	484/65	16.75	16.67	16.64	16.61	16.58	16.52	16.46	16.38	16.34	16.26	16.21	16.17
155	5775	484/65	18.83	18.78	18.68	18.64	18.60	18.53	18.45	18.38	18.34	18.26	18.19	18.10

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

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	Partial RU	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
					(dBm)	dBm+10log(BW)
42	5210	484/65	--	17.46	24	--
58	5290	484/66	43.690	17.61	24	27.40
106	5530	484/65	44.690	16.75	24	27.50
155	5775	484/65	--	18.83	30	--



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 13 SISO A: Transmit (802.11ax-160BW Partial RU)
 Test Date : 2021/12/17

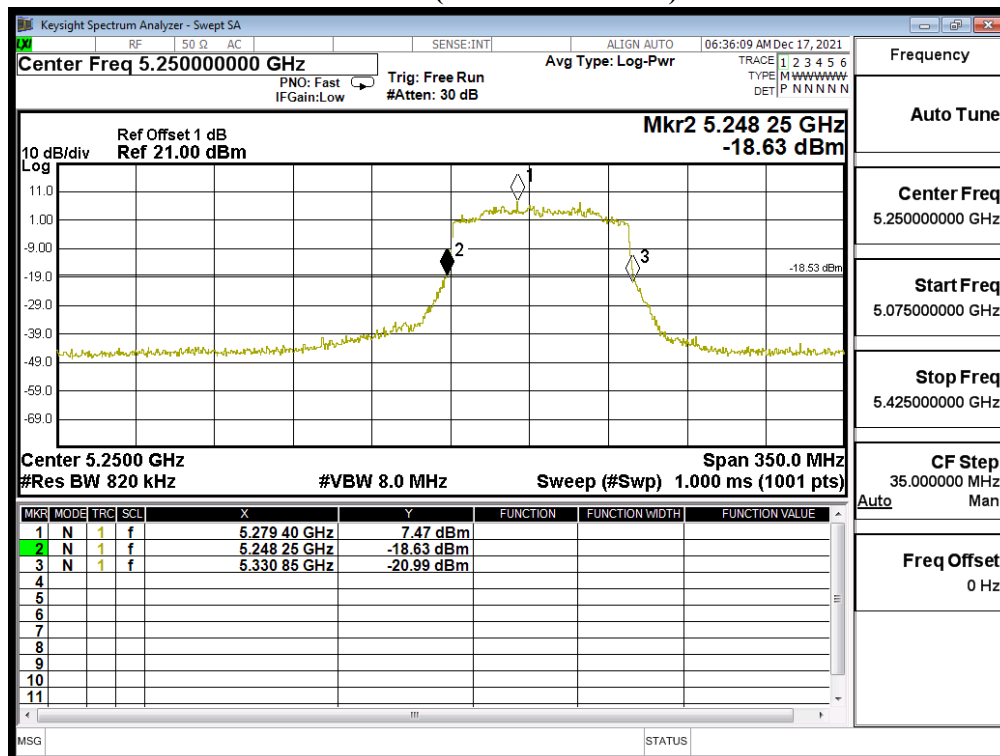
Cable loss=1dB		Maximum conducted output power												
Channel No.	Frequency (MHz)	Data Rate												
		Partial RU	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
50 (U-NII-1)	5250	996/67	15.13	15.08	15.03	14.99	14.95	14.88	14.84	14.79	14.73	14.70	14.66	14.62
50 (U-NII-2A)	5250	996/S67	15.12	15.07	15.02	14.98	14.94	14.90	14.87	14.82	14.77	14.71	14.67	14.62
114	5570	996/67	14.00	13.91	13.81	13.73	13.65	13.58	13.50	13.41	13.31	13.28	13.25	13.19
		996/S67	14.14	14.06	13.98	13.89	13.79	13.69	13.64	13.55	13.46	13.42	13.34	13.30

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

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	Partial RU	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
					(dBm)	dBm+10log(BW)
50 (U-NII-1)	5250	996/67	--	15.13	24	--
50 (U-NII-2A)	5250	996/S67	85.230	15.12	24	30.31
114	5570	996/67	85.560	14.00	24	30.32
		996/S67	85.230	14.14	24	30.31

**26dB Occupied Bandwidth:
Channel 50 (Partial RU 996/67)**



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 14 SISO B: Transmit (802.11a 6Mbps)
 Test Date : 2022/02/22

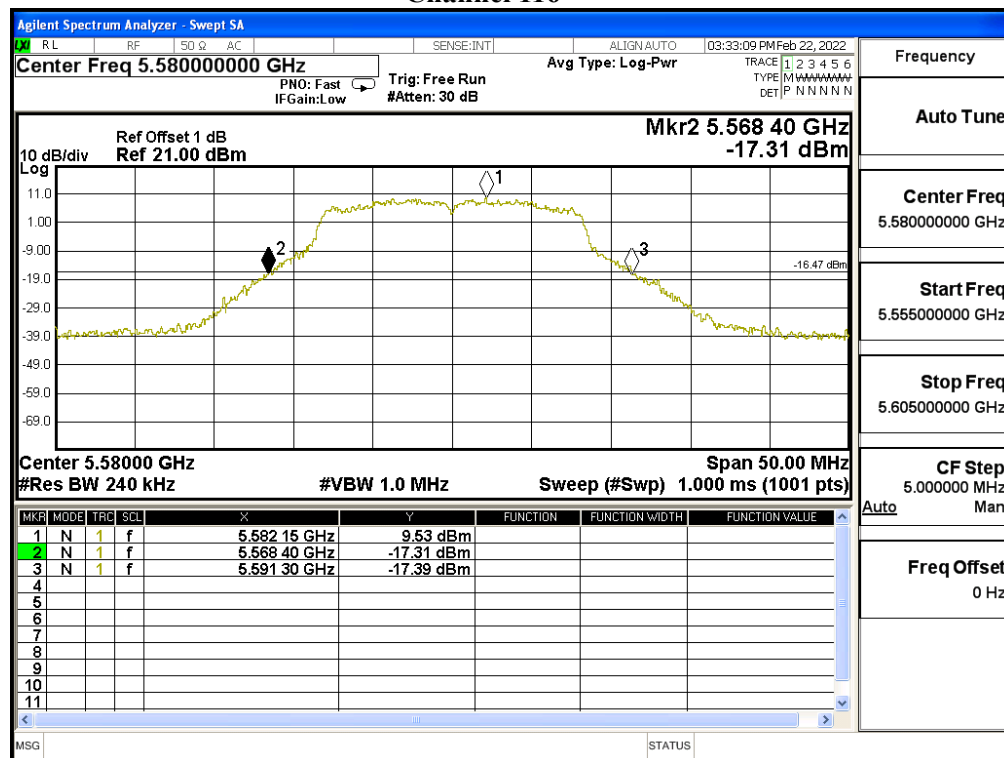
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
		Measurement Level (dBm)							
36	5180	18.19	--	--	--	--	--	--	--
40	5200	18.96	18.91	18.86	18.80	18.74	18.68	18.64	18.58
48	5240	18.89	--	--	--	--	--	--	--
52	5260	18.99	--	--	--	--	--	--	--
56	5280	18.91	18.85	18.82	18.76	18.72	18.66	18.59	18.56
64	5320	17.36	--	--	--	--	--	--	--
100	5500	17.72	--	--	--	--	--	--	--
116	5580	18.92	18.89	18.81	18.71	18.64	18.58	18.48	18.40
140	5700	18.01	--	--	--	--	--	--	--
149	5745	18.98	--	--	--	--	--	--	--
157	5785	18.97	18.88	18.82	18.77	18.68	18.59	18.51	18.42
165	5825	18.95	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	18.19	24	--
40	5200	--	18.96	24	--
48	5240	--	18.89	24	--
52	5260	28.430	18.99	24	25.54
56	5280	31.430	18.91	24	25.97
64	5320	24.520	17.36	24	24.90
100	5500	24.570	17.72	24	24.90
116	5580	22.900	18.92	24	24.60
140	5700	24.870	18.01	24	24.96
149	5745	--	18.98	30	--
157	5785	--	18.97	30	--
165	5825	--	18.95	30	--

26dB Occupied Bandwidth: Channel 116



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 15 SISO B: Transmit (802.11n-20BW 7.2Mbps)
 Test Date : 2022/02/22

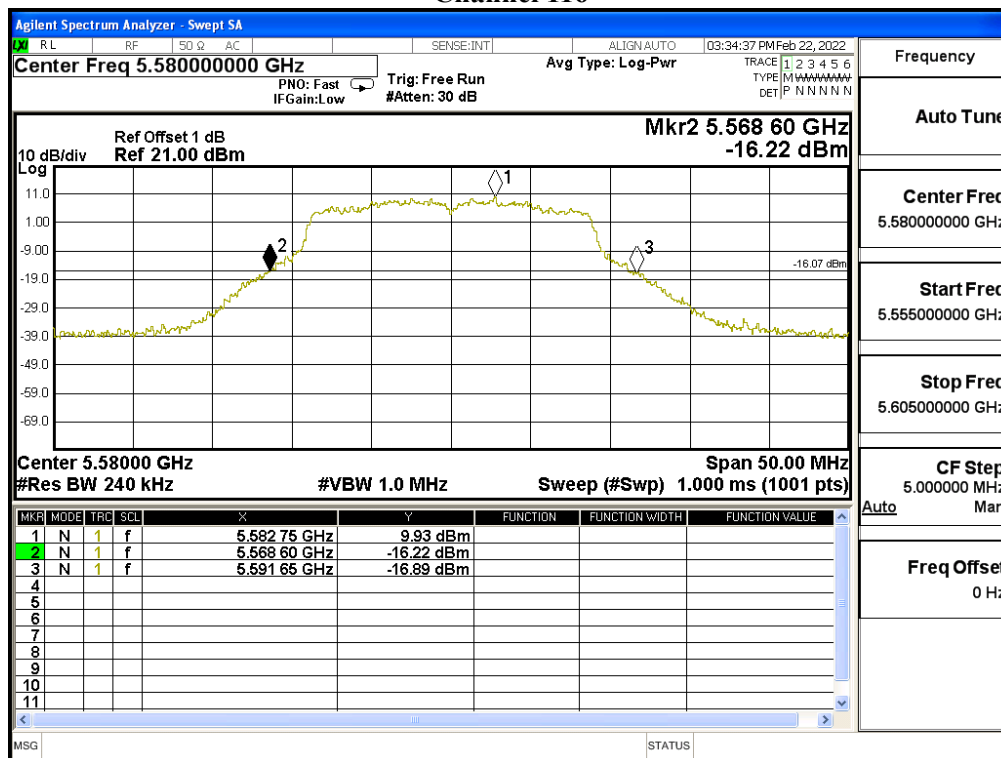
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate							
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7
		Measurement Level (dBm)							
36	5180	18.11	--	--	--	--	--	--	--
40	5200	18.92	18.87	18.83	18.80	18.75	18.70	18.65	18.58
48	5240	18.85	--	--	--	--	--	--	--
52	5260	18.96	--	--	--	--	--	--	--
56	5280	18.84	18.77	18.71	18.65	18.59	18.52	18.45	18.41
64	5320	16.86	--	--	--	--	--	--	--
100	5500	17.47	--	--	--	--	--	--	--
116	5580	18.99	18.90	18.81	18.73	18.67	18.59	18.50	18.46
140	5700	17.90	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.39	--	--	--	--	--	--	--
144(U-NII-3)	5720	9.53	--	--	--	--	--	--	--
149	5745	18.94	--	--	--	--	--	--	--
157	5785	18.95	18.87	18.84	18.80	18.75	18.70	18.66	18.59
165	5825	18.97	--	--	--	--	--	--	--

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

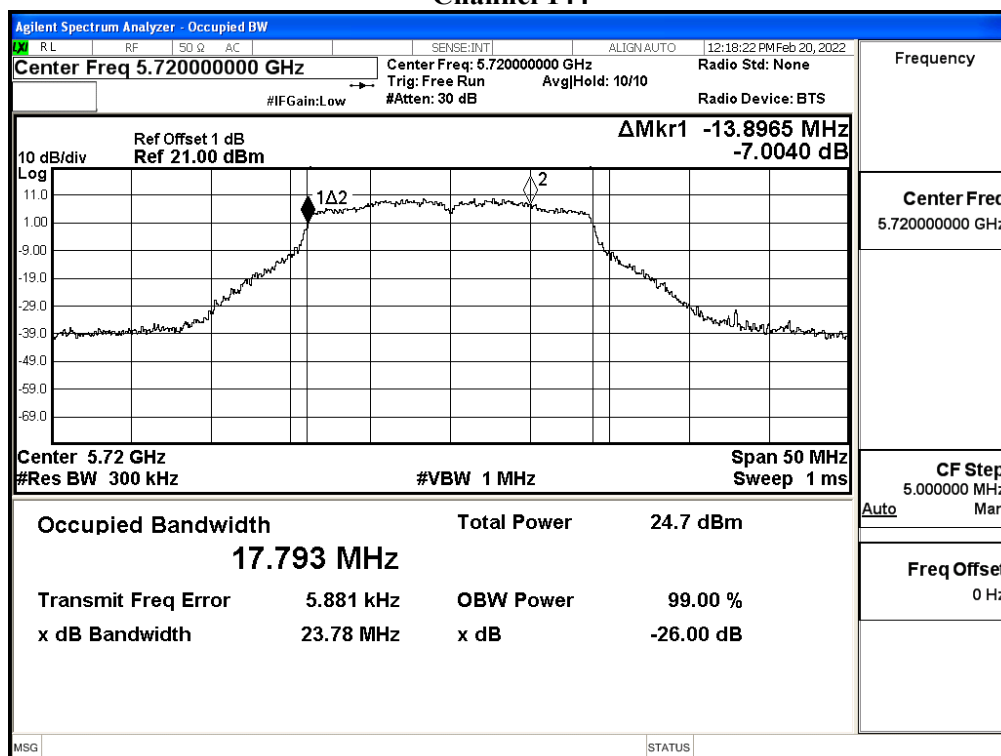
Maximum conducted output power Measurement:

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	18.11	24	--
40	5200	--	18.92	24	--
48	5240	--	18.85	24	--
52	5260	33.280	18.96	24	26.22
56	5280	30.180	18.84	24	25.80
64	5320	25.380	16.86	24	25.04
100	5500	24.570	17.47	24	24.90
116	5580	23.050	18.99	24	24.63
140	5700	24.870	17.90	24	24.96
144(U-NII-2C)	5720	18.280	18.39	24	23.62
144(U-NII-3)	5720	--	9.53	30	--
149	5745	--	18.94	30	--
157	5785	--	18.95	30	--
165	5825	--	18.97	30	--

26dB Occupied Bandwidth: Channel 116

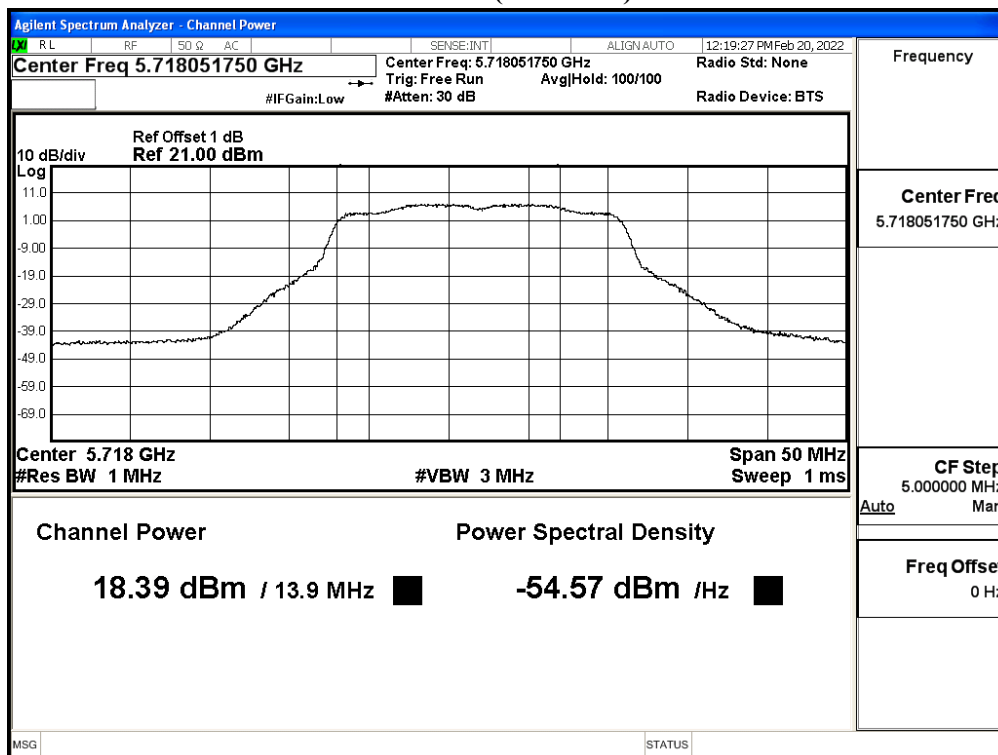


99% Occupied Bandwidth: Channel 144



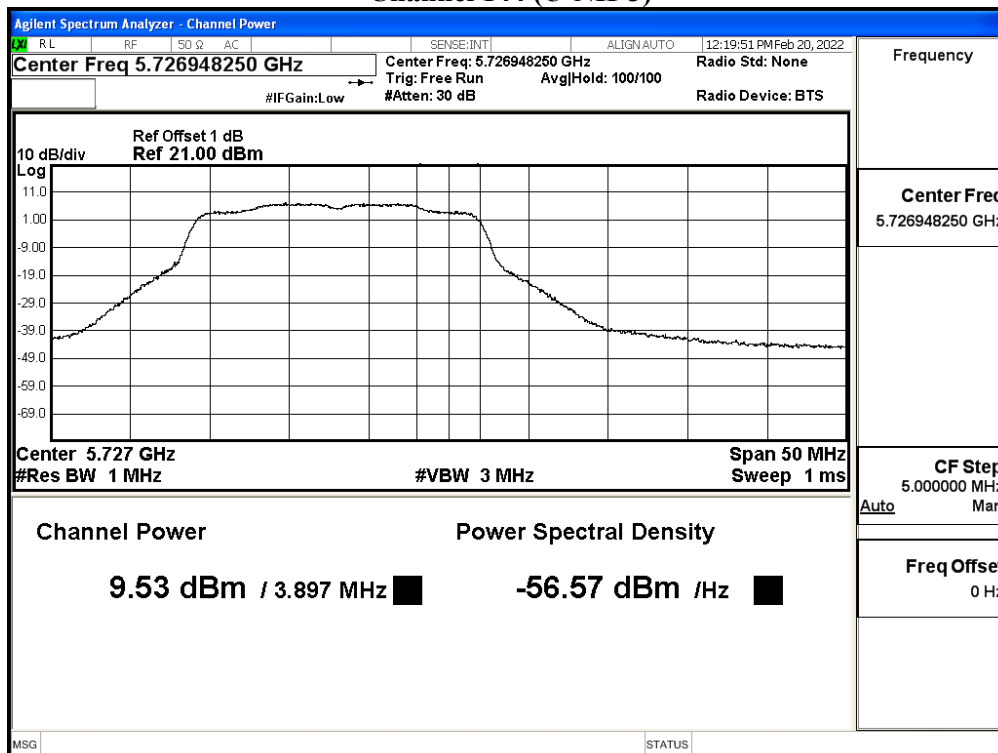
Maximum conducted output power:

Channel 144 (U-NII-2C)



Maximum conducted output power:

Channel 144 (U-NII-3)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 16 SISO B: Transmit (802.11n-40BW 15Mbps)
 Test Date : 2022/02/22

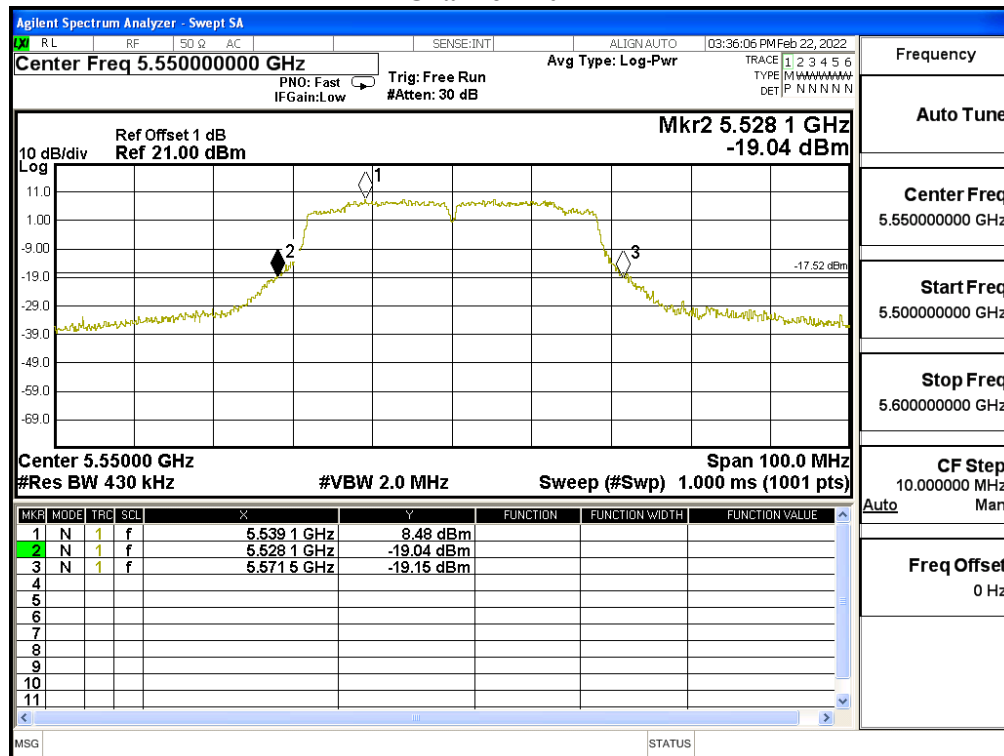
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate							
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7
		Measurement Level (dBm)							
38	5190	17.92	--	--	--	--	--	--	--
46	5230	18.96	18.89	18.83	18.77	18.72	18.66	18.62	18.57
54	5270	18.95	--	--	--	--	--	--	--
62	5310	16.38	16.34	16.28	16.23	16.19	16.15	16.09	16.05
102	5510	17.75	--	--	--	--	--	--	--
110	5550	18.95	18.88	18.85	18.79	18.71	18.61	18.52	18.44
134	5670	18.97	--	--	--	--	--	--	--
142(U-NII-2C)	5710	18.75	--	--	--	--	--	--	--
142(U-NII-3)	5710	5.77	--	--	--	--	--	--	--
151	5755	18.88	--	--	--	--	--	--	--
159	5795	18.90	18.87	18.83	18.78	18.69	18.65	18.61	18.58

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

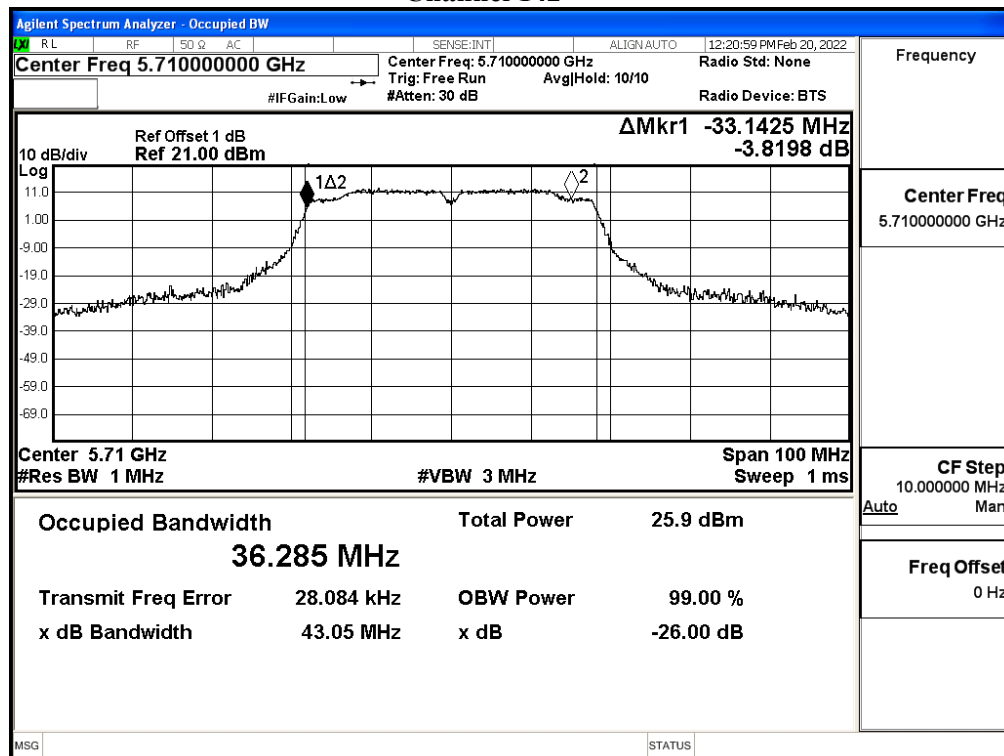
Maximum conducted output power Measurement:

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
38	5190	--	17.92	24	--
46	5230	--	18.96	24	--
54	5270	46.310	18.95	24	27.66
62	5310	45.140	16.38	24	27.55
102	5510	45.490	17.75	24	27.58
110	5550	43.400	18.95	24	27.37
134	5670	46.040	18.97	24	27.63
142(U-NII-2C)	5710	39.350	18.75	24	26.95
142(U-NII-3)	5710	--	5.77	30	--
151	5755	--	18.88	30	--
159	5795	--	18.90	30	--

26dB Occupied Bandwidth: Channel 110

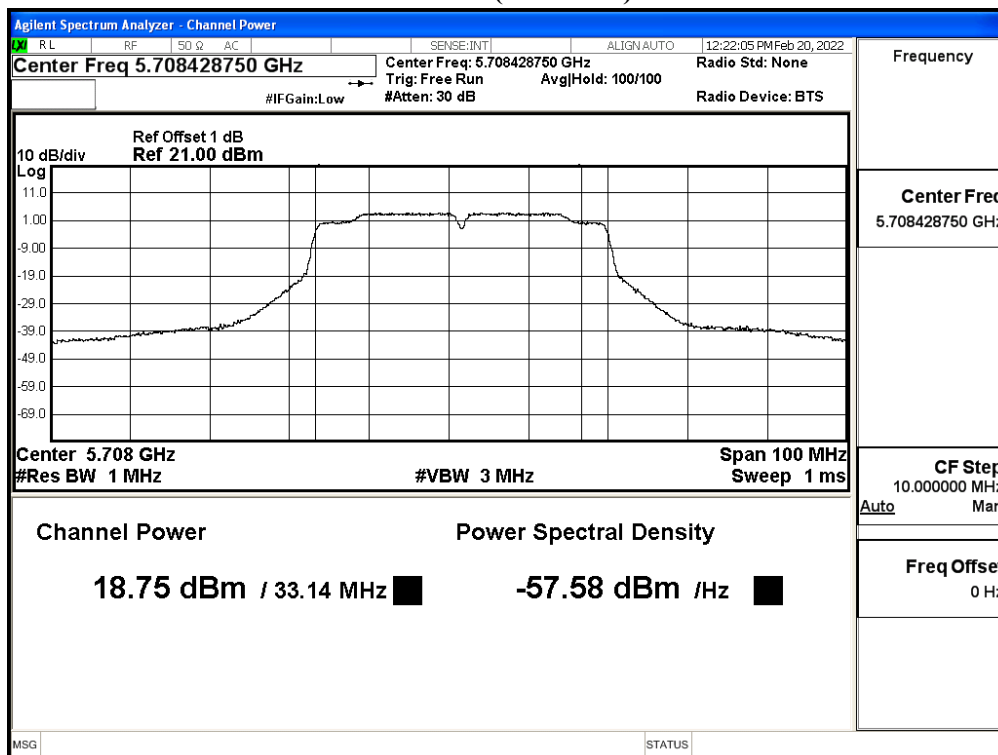


99% Occupied Bandwidth: Channel 142



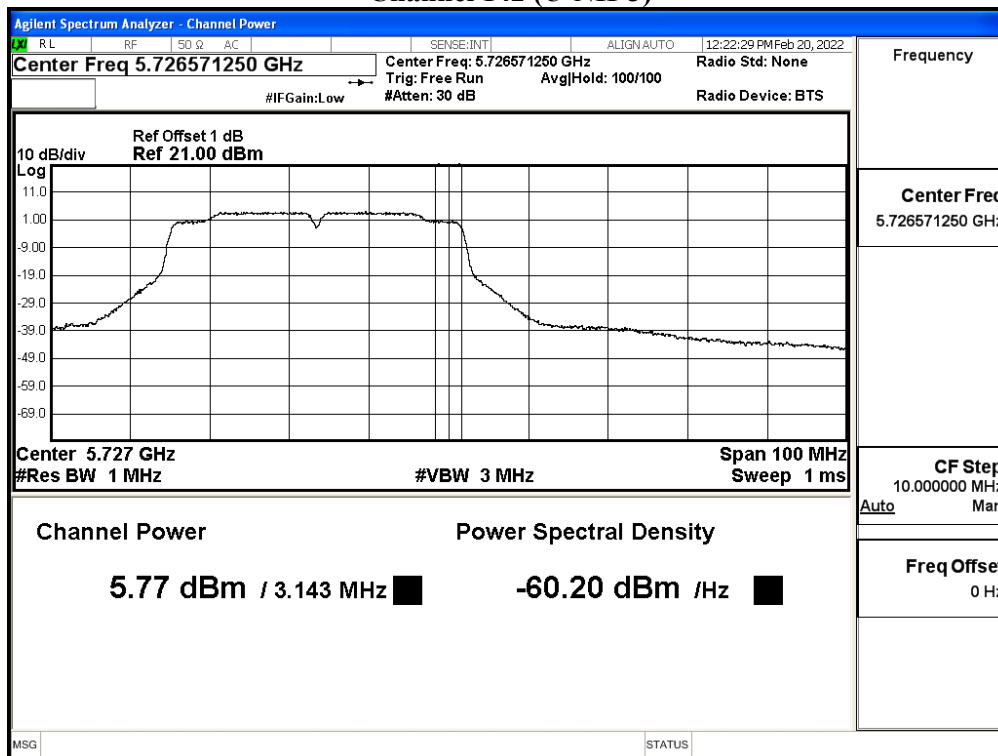
Maximum conducted output power:

Channel 142 (U-NII-2C)



Maximum conducted output power:

Channel 142 (U-NII-3)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 17 SISO B: Transmit (802.11ac-80BW 32.5Mbps)
 Test Date : 2022/02/20

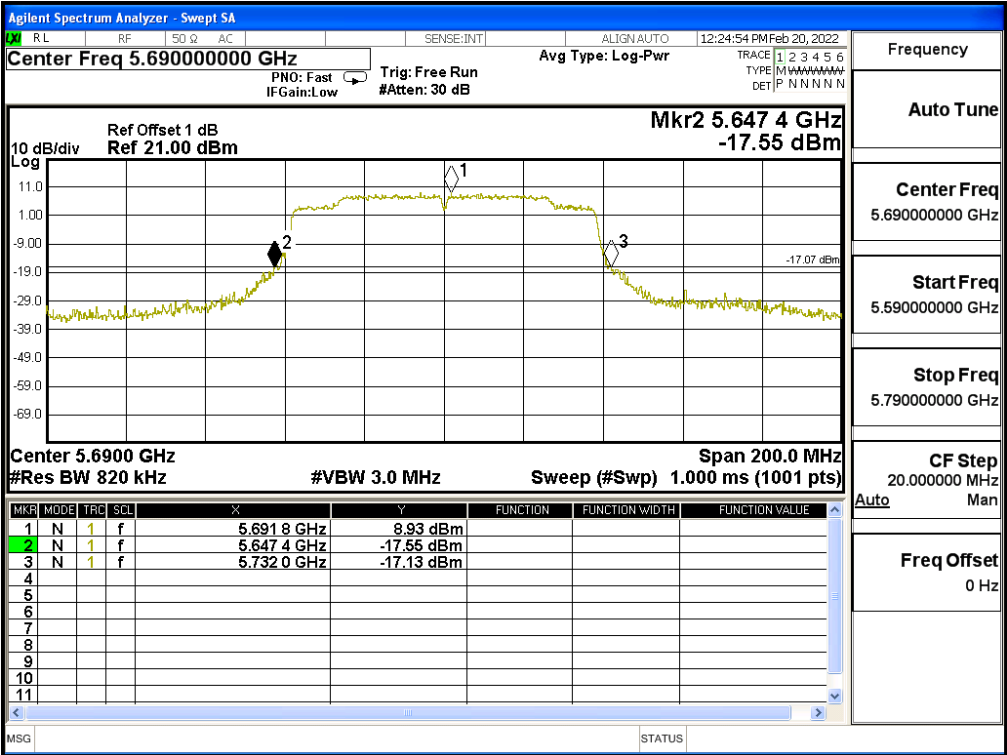
Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate									
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9
42	5210	18.06	17.97	17.89	17.85	17.78	17.70	17.63	17.58	17.50	17.44
58	5290	17.56	17.52	17.46	17.42	17.37	17.31	17.25	17.19	17.15	17.10
106	5530	17.60	--	--	--	--	--	--	--	--	--
122	5610	18.97	18.93	18.83	18.73	18.68	18.61	18.54	18.45	18.36	18.27
138 (U-NII-2C)	5690	18.88	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	1.25	--	--	--	--	--	--	--	--	--
155	5775	18.92	18.85	18.75	18.66	18.61	18.53	18.44	18.41	18.32	18.24

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

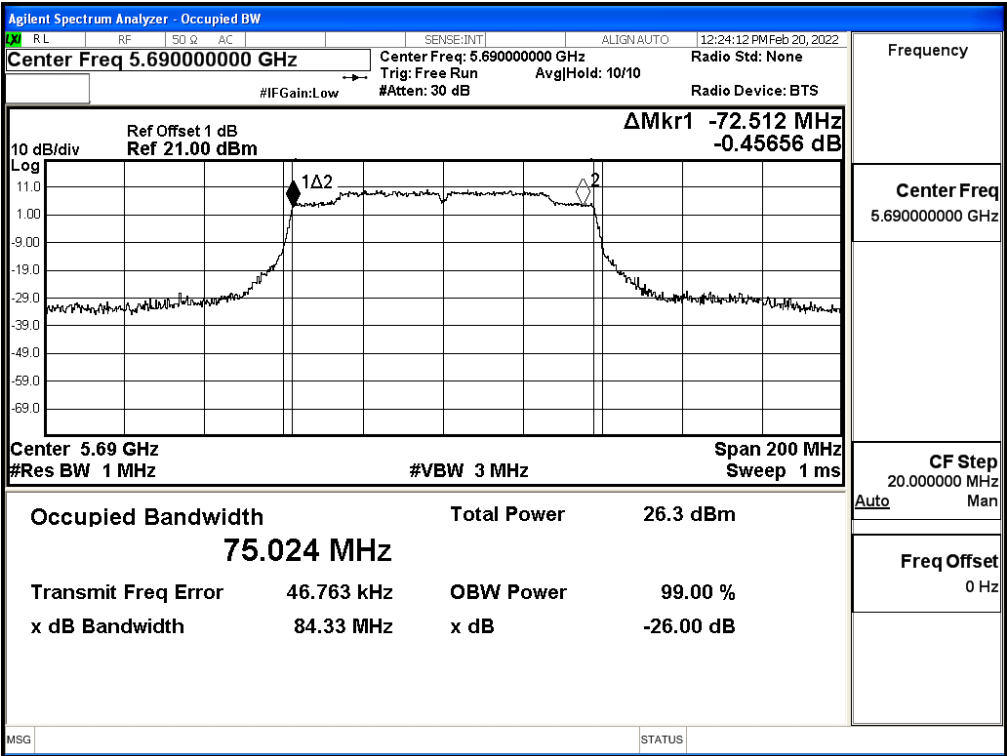
Maximum conducted output power Measurement:

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
42	5210	--	18.06	24	--
58	5290	87.290	17.56	24	30.41
106	5530	86.920	17.60	24	30.39
122	5610	87.870	18.97	24	30.44
138 (U-NII-2C)	5690	77.600	18.88	24	29.90
138 (U-NII-3)	5690	--	1.25	30	--
155	5775	--	18.92	30	--

26dB Occupied Bandwidth:
Channel 138

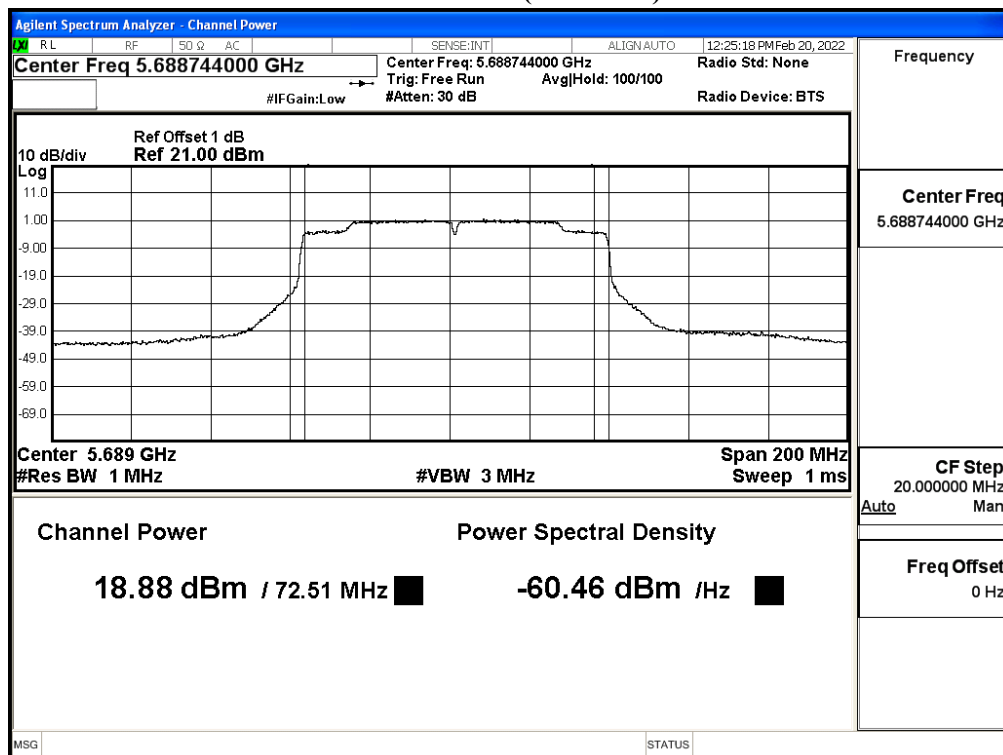


99% Occupied Bandwidth:
Channel 138



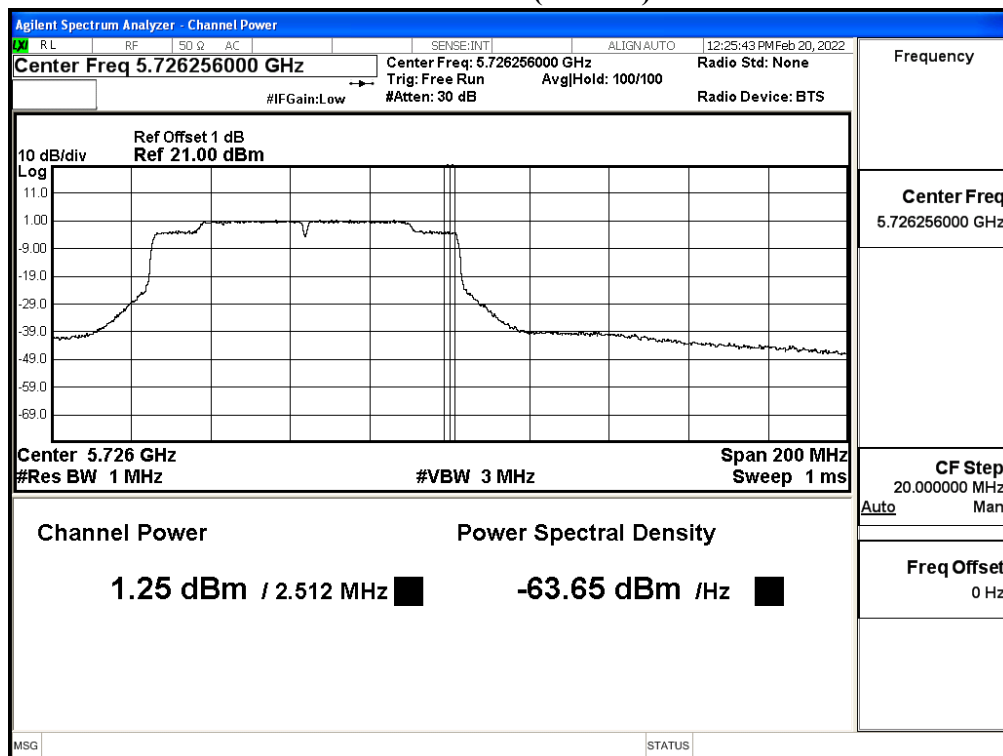
Maximum conducted output power:

Channel 138 (U-NII-2C)



Maximum conducted output power:

Channel 138 (U-NII-3)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 18 SISO B: Transmit (802.11ac-160BW 65Mbps)
 Test Date : 2021/12/17

Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate									
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9
50 (U-NII-1)	5250	11.63	11.60	11.54	11.48	11.45	11.40	11.35	11.32	11.25	11.19
50 (U-NII-2A)	5250	11.77	11.73	11.69	11.65	11.58	11.54	11.47	11.42	11.39	11.36
114	5570	14.66	14.58	14.54	14.51	14.41	14.34	14.25	14.16	14.11	14.05

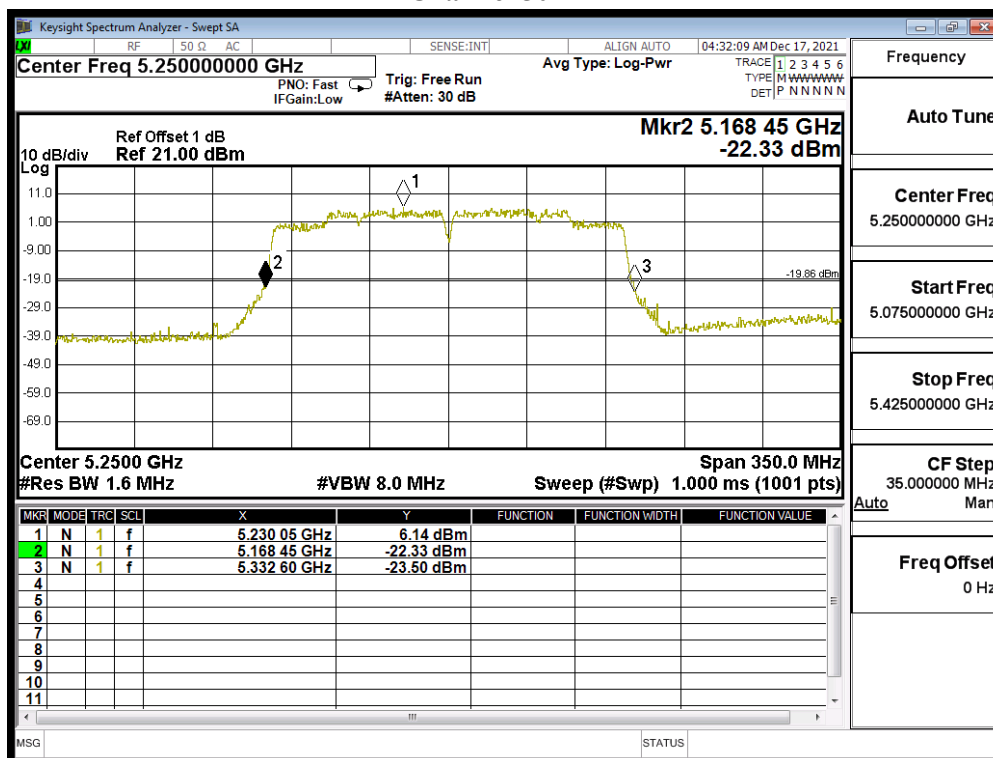
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50 (U-NII-1)	5250	--	11.63	24	--	Pass
50 (U-NII-2A)	5250	82.600	11.77	24	30.17	Pass
114	5570	165.490	14.66	24	33.19	Pass

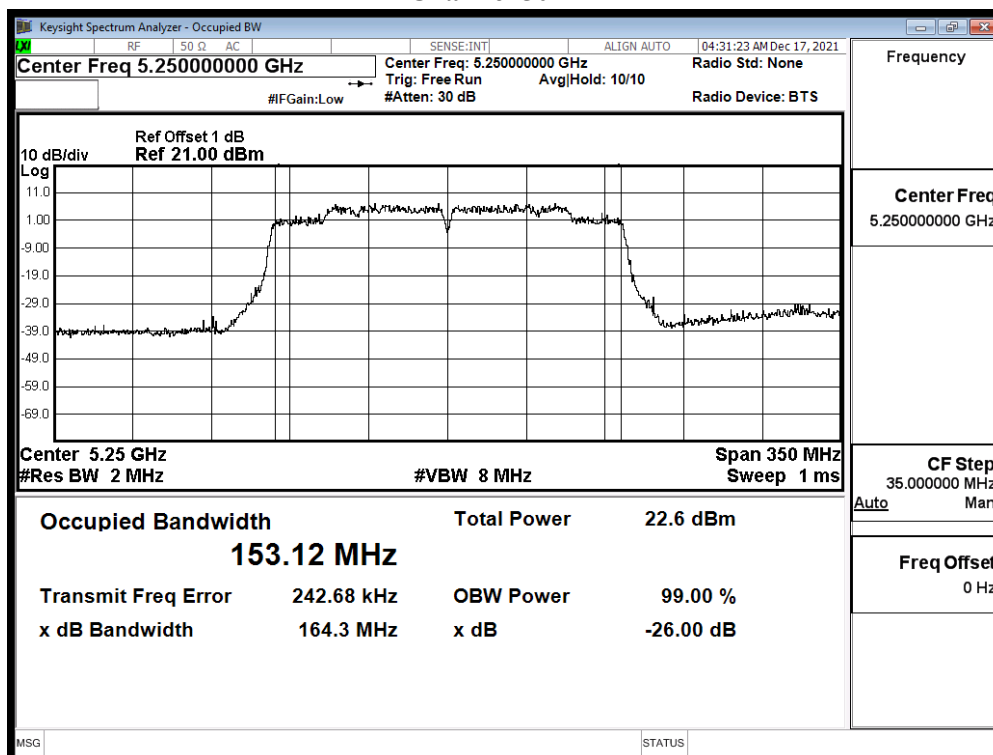
26dB Occupied Bandwidth:

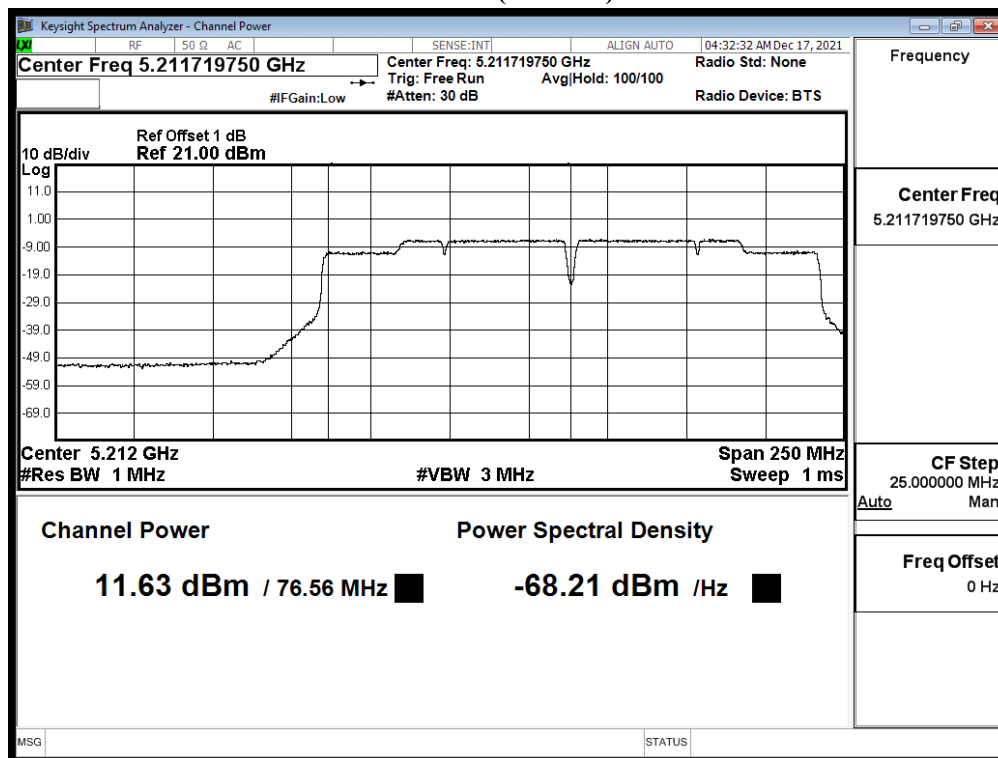
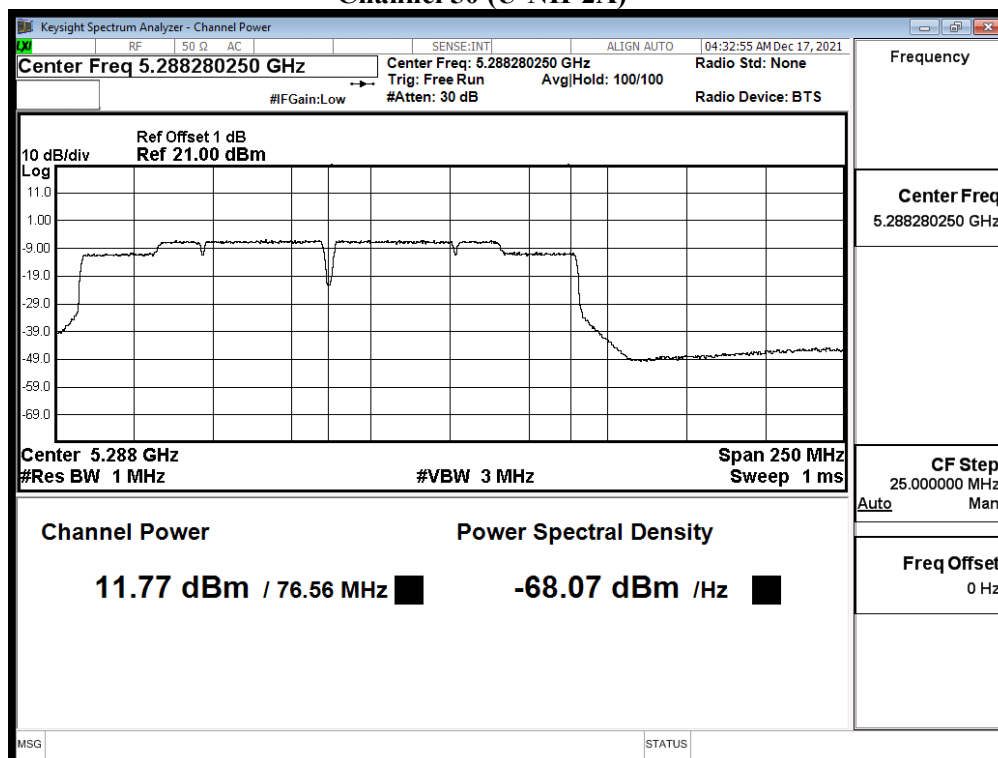
Channel 50



99%Occupied Bandwidth:

Channel 50



Maximum conducted output power:**Channel 50 (U-NII-1)****Maximum conducted output power:****Channel 50 (U-NII-2A)**

Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 19 SISO B: Transmit (802.11ax-20BW 8.6Mbps)
 Test Date : 2022/02/22

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
36	5180	17.74	--	--	--	--	--	--	--	--	--	--	--
40	5200	18.92	18.88	18.85	18.78	18.73	18.70	18.67	18.62	18.56	18.53	18.48	18.42
48	5240	18.88	--	--	--	--	--	--	--	--	--	--	--
52	5260	18.96	--	--	--	--	--	--	--	--	--	--	--
56	5280	18.89	18.83	18.78	18.74	18.71	18.66	18.62	18.58	18.51	18.47	18.42	18.39
64	5320	16.78	--	--	--	--	--	--	--	--	--	--	--
100	5500	17.57	--	--	--	--	--	--	--	--	--	--	--
116	5580	18.98	18.89	18.84	18.78	18.74	18.64	18.61	18.51	18.43	18.37	18.33	18.25
140	5700	17.61	--	--	--	--	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.31	--	--	--	--	--	--	--	--	--	--	--
144(U-NII-3)	5720	10.37	--	--	--	--	--	--	--	--	--	--	--
149	5745	18.97	--	--	--	--	--	--	--	--	--	--	--
157	5785	18.95	18.86	18.77	18.69	18.65	18.60	18.57	18.54	18.45	18.42	18.39	18.34
165	5825	18.95	--	--	--	--	--	--	--	--	--	--	--

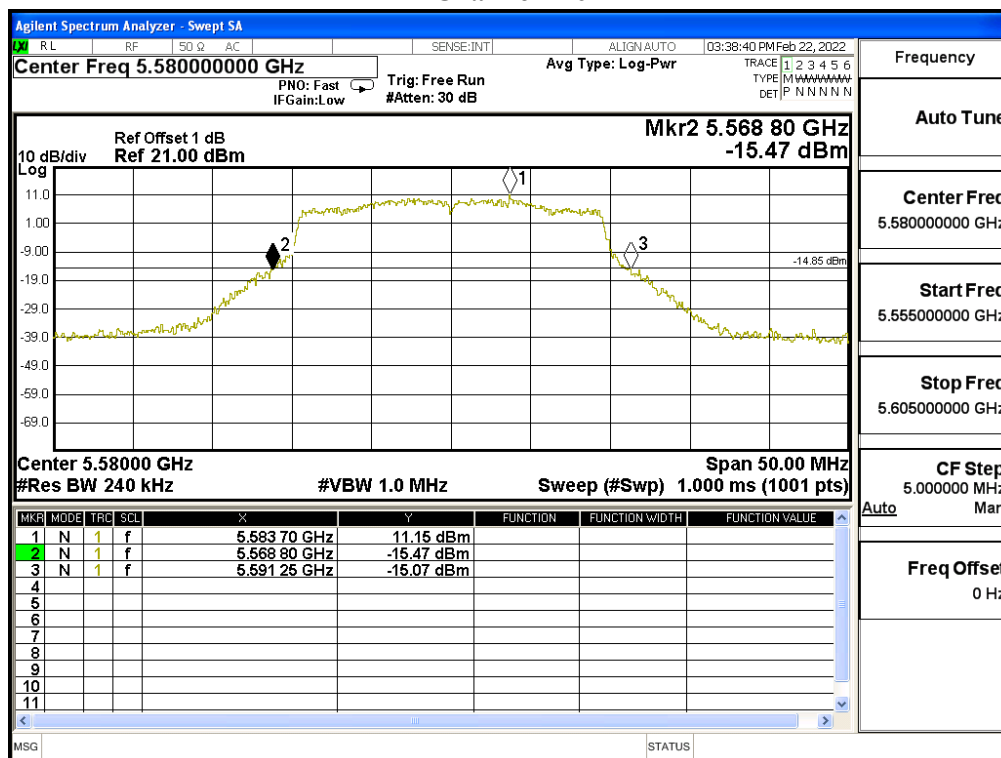
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	17.74	24	--	Pass
40	5200	--	18.92	24	--	Pass
48	5240	--	18.88	24	--	Pass
52	5260	28.340	18.96	24	25.52	Pass
56	5280	29.030	18.89	24	25.63	Pass
64	5320	25.080	16.78	24	24.99	Pass
100	5500	24.920	17.57	24	24.97	Pass
116	5580	22.450	18.98	24	24.51	Pass
140	5700	24.770	17.61	24	24.94	Pass
144(U-NII-2C)	5720	19.080	18.31	24	23.81	Pass
144(U-NII-3)	5720	--	10.37	30	--	Pass
149	5745	--	18.97	30	--	Pass
157	5785	--	18.95	30	--	Pass
165	5825	--	18.95	30	--	Pass

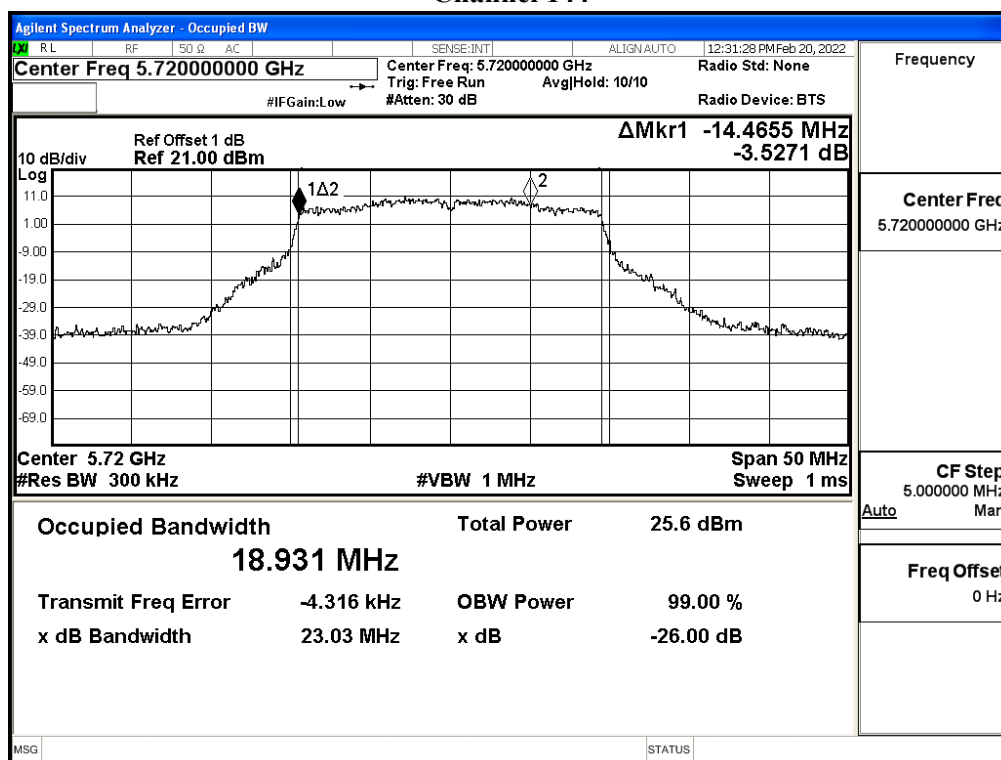
26dB Occupied Bandwidth:

Channel 116



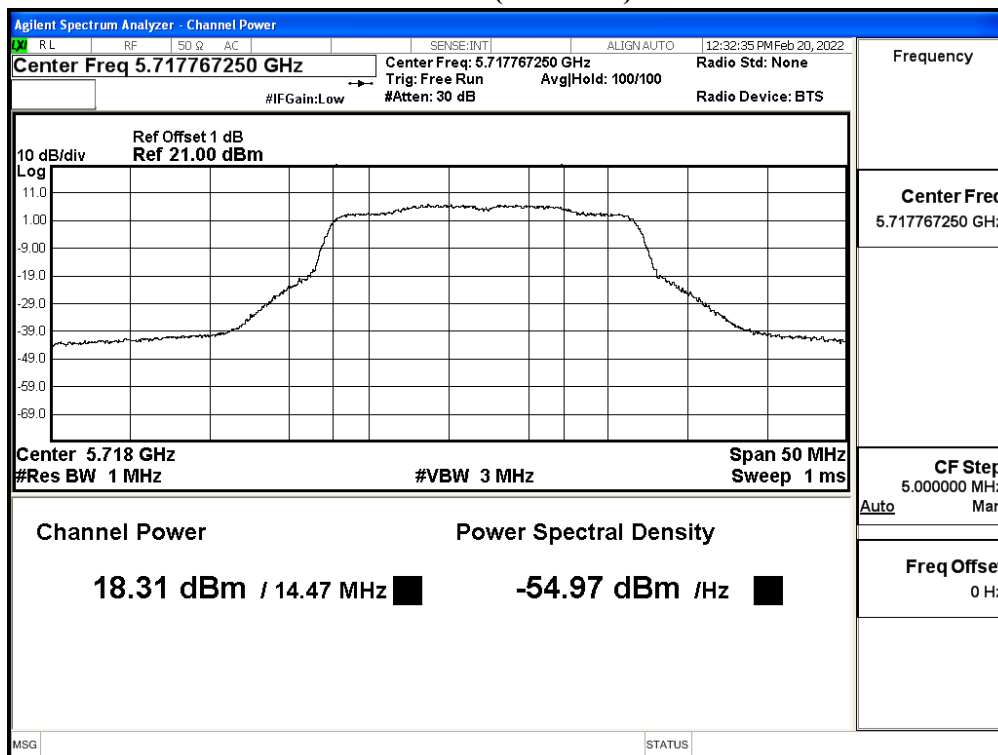
99% Occupied Bandwidth:

Channel 144



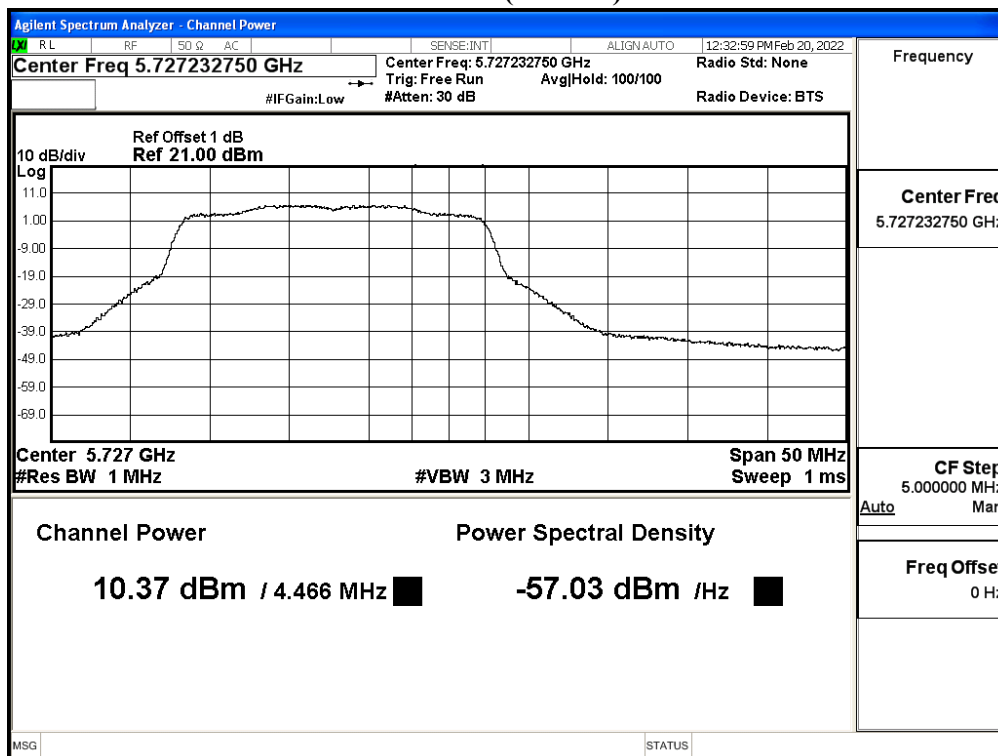
Maximum conducted output power:

Channel 144 (U-NII-2C)



Maximum conducted output power:

Channel 144 (U-NII-3)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 20 SISO B: Transmit (802.11ax-40BW 17.2Mbps)
 Test Date : 2022/02/22

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
38	5190	17.53	--	--	--	--	--	--	--	--	--	--	--
46	5230	18.93	18.88	18.83	18.79	18.75	18.71	18.67	18.62	18.57	18.52	18.46	18.41
54	5270	18.94	--	--	--	--	--	--	--	--	--	--	--
62	5310	15.97	15.91	15.86	15.79	15.75	15.69	15.63	15.59	15.54	15.48	15.45	15.39
102	5510	17.61	--	--	--	--	--	--	--	--	--	--	--
110	5550	18.97	18.93	18.84	18.74	18.69	18.62	18.56	18.46	18.40	18.35	18.26	18.22
134	5670	18.98	--	--	--	--	--	--	--	--	--	--	--
142(U-NII-2C)	5710	18.74	--	--	--	--	--	--	--	--	--	--	--
142(U-NII-3)	5710	6.36	--	--	--	--	--	--	--	--	--	--	--
151	5755	18.92	--	--	--	--	--	--	--	--	--	--	--
159	5795	18.92	18.84	18.77	18.71	18.68	18.64	18.56	18.52	18.46	18.37	18.34	18.31

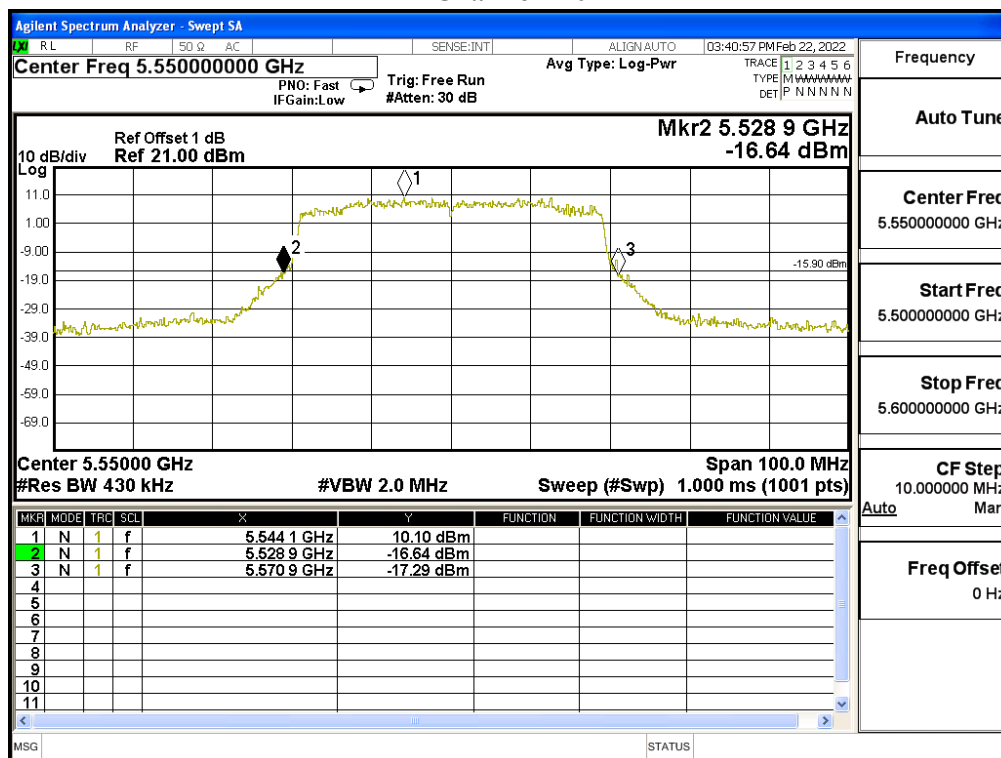
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	--	17.53	24	--	Pass
46	5230	--	18.93	24	--	Pass
54	5270	44.410	18.94	24	27.47	Pass
62	5310	44.320	15.97	24	27.47	Pass
102	5510	44.410	17.61	24	27.47	Pass
110	5550	42.000	18.97	24	27.23	Pass
134	5670	44.960	18.98	24	27.53	Pass
142(U-NII-2C)	5710	38.980	18.74	24	26.91	Pass
142(U-NII-3)	5710	--	6.36	30	--	Pass
151	5755	--	18.92	30	--	Pass
159	5795	--	18.92	30	--	Pass

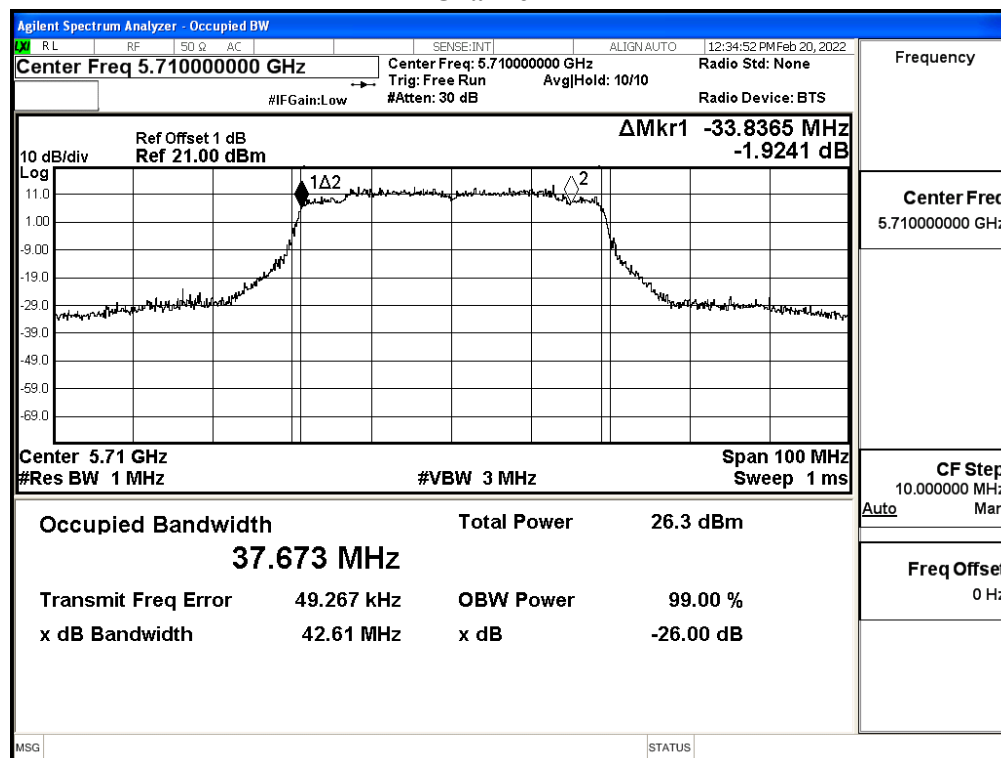
26dB Occupied Bandwidth:

Channel 110



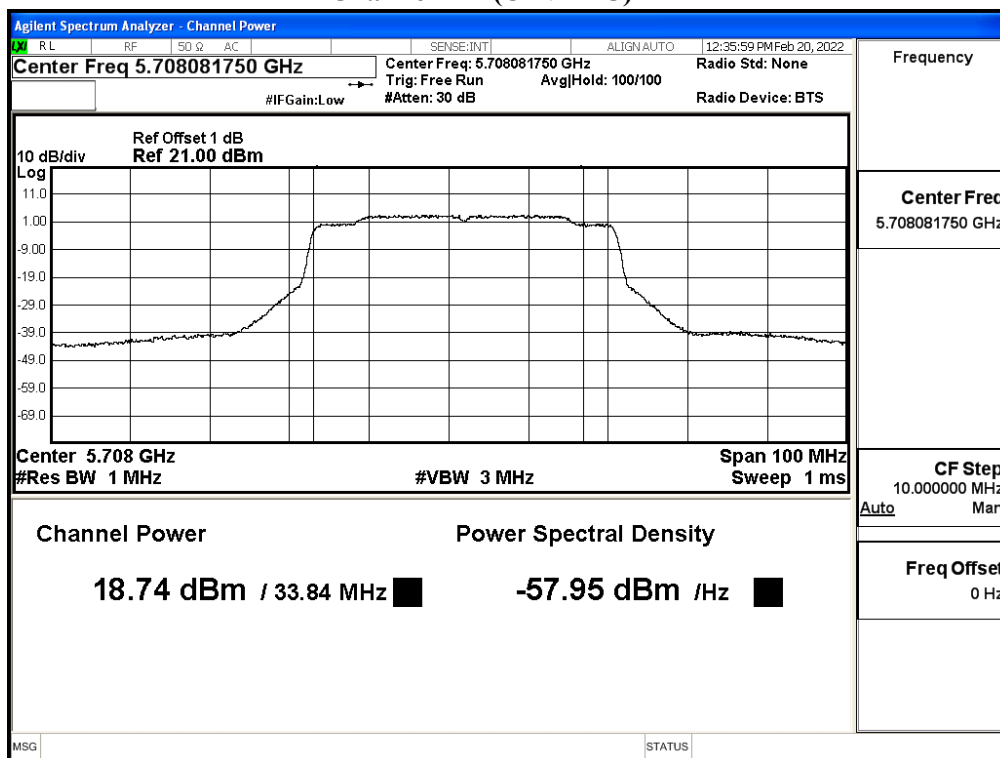
99% Occupied Bandwidth:

Channel 142



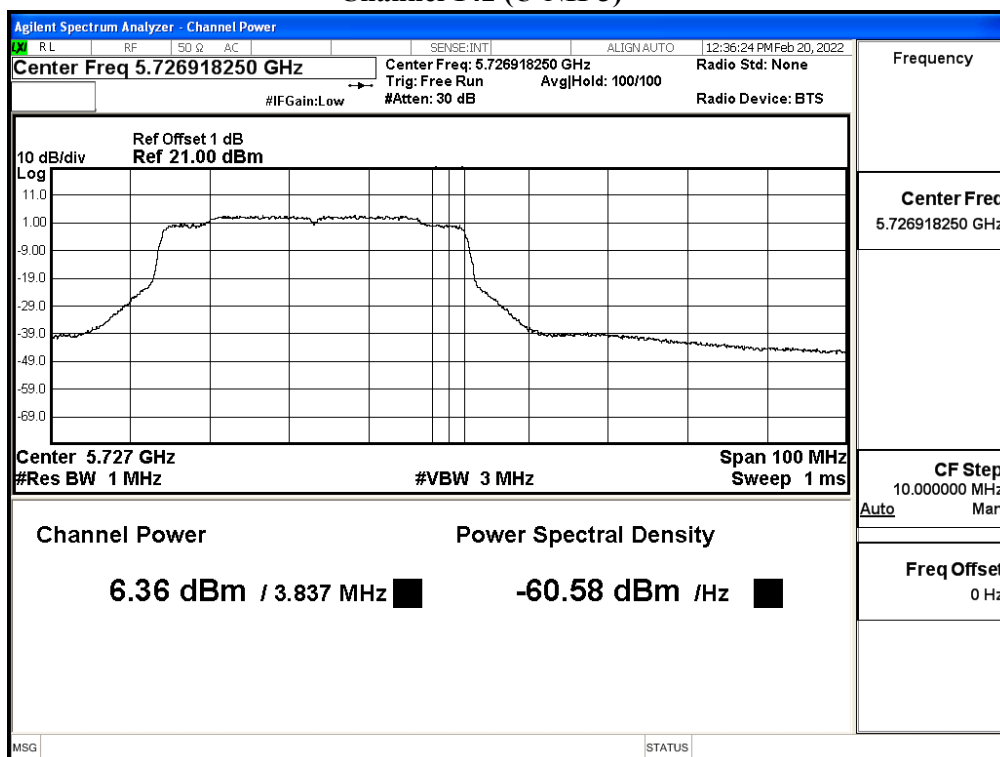
Maximum conducted output power:

Channel 142 (U-NII-2C)



Maximum conducted output power:

Channel 142 (U-NII-3)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 21 SISO B: Transmit (802.11ax-80BW 36Mbps)
 Test Date : 2022/02/20

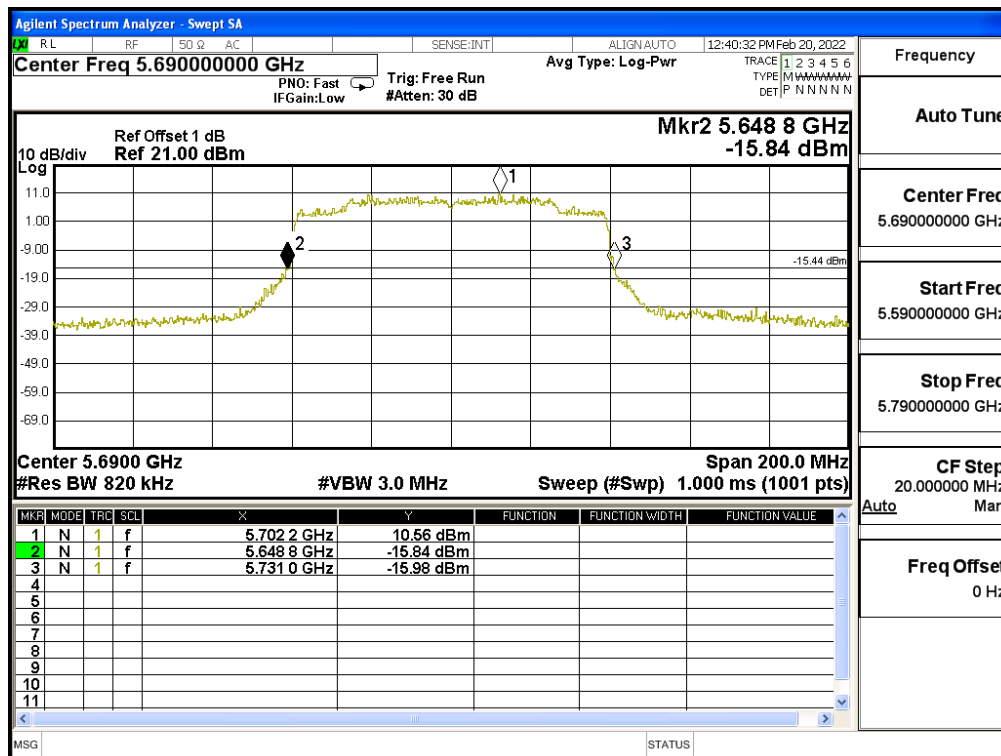
Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
42	5210	17.88	17.84	17.79	17.75	17.71	17.64	17.61	17.54	17.50	17.45	17.42	17.38
58	5290	17.26	17.20	17.17	17.13	17.07	17.01	16.95	16.90	16.83	16.80	16.75	16.71
106	5530	17.63	--	--	--	--	--	--	--	--	--	--	--
122	5610	18.97	18.87	18.80	18.70	18.66	18.56	18.52	18.43	18.40	18.30	18.24	18.20
138(U-NII-2C)	5690	18.89	--	--	--	--	--	--	--	--	--	--	--
138(U-NII-3)	5690	2.17	--	--	--	--	--	--	--	--	--	--	--
155	5775	18.99	18.96	18.91	18.82	18.74	18.67	18.57	18.50	18.43	18.35	18.28	18.18

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

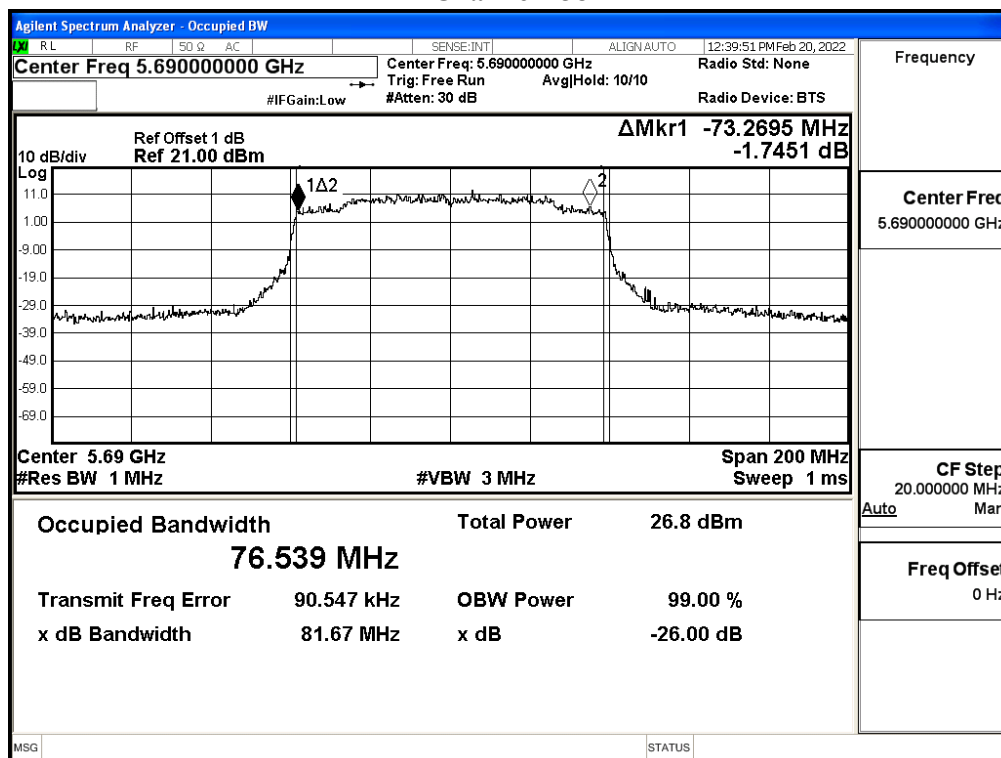
Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42	5210	--	17.88	24	--	Pass
58	5290	83.490	17.26	24	30.22	Pass
106	5530	83.680	17.63	24	30.23	Pass
122	5610	83.870	18.97	24	30.24	Pass
138(U-NII-2C)	5690	76.200	18.89	24	29.82	Pass
138(U-NII-3)	5690	--	2.17	30	--	Pass
155	5775	--	18.99	30	--	Pass

26dB Occupied Bandwidth:
Channel 138

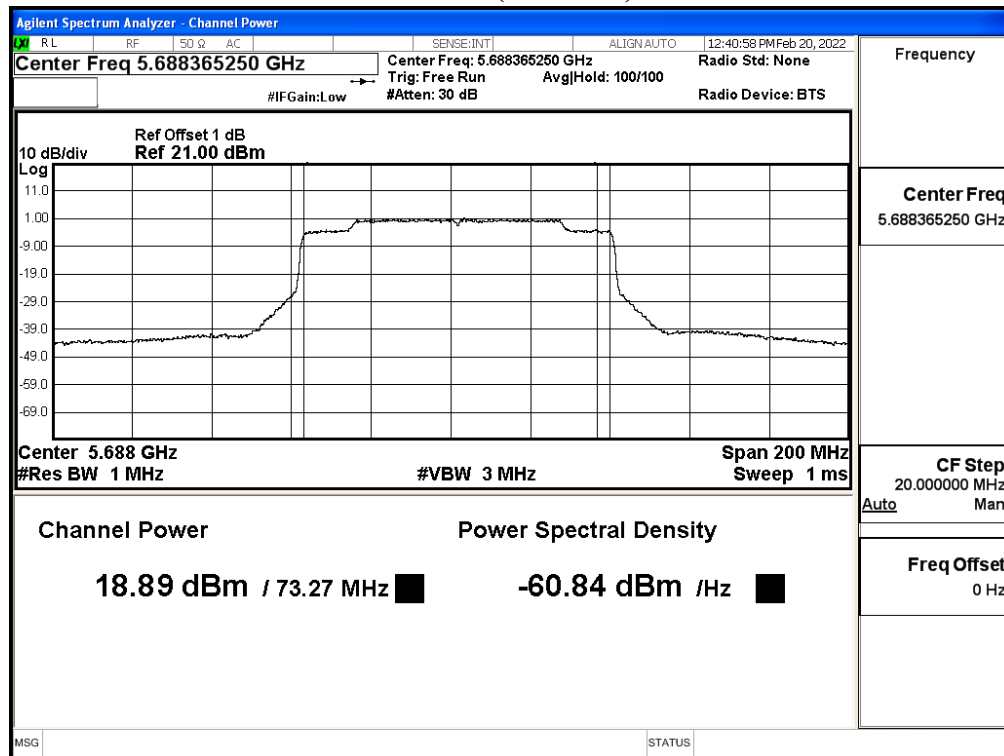


99% Occupied Bandwidth:
Channel 138



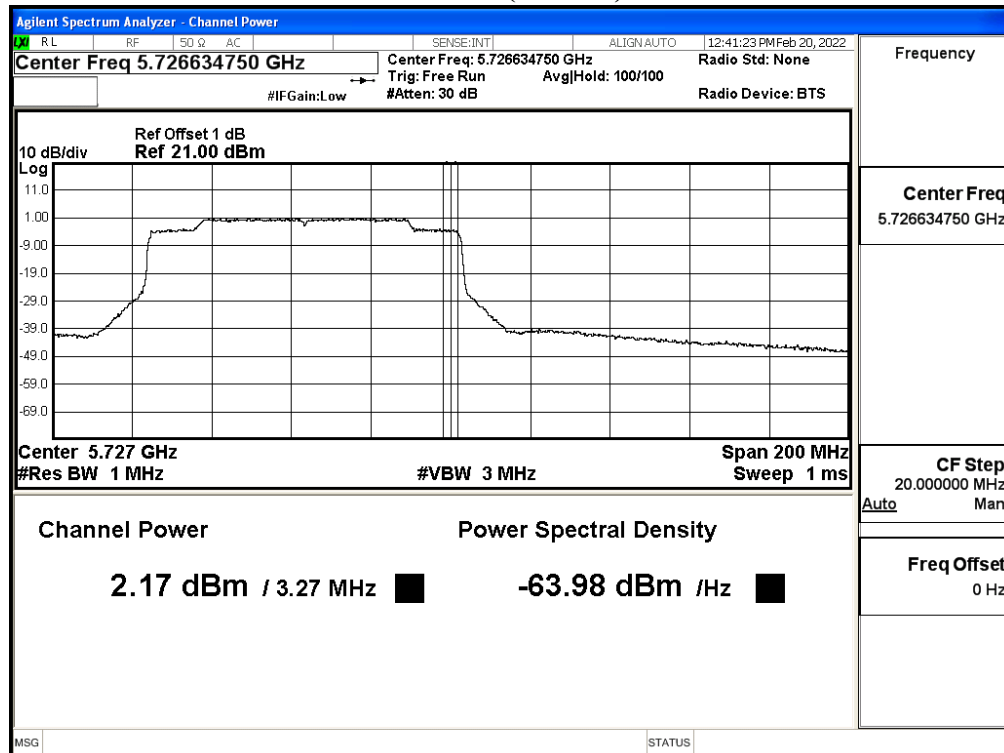
Maximum conducted output power:

Channel 138 (U-NII-2C)



Maximum conducted output power:

Channel 138 (U-NII-3)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 22 SISO B: Transmit (802.11ax-160BW 72.1Mbps)
 Test Date : 2021/12/17

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
50 (U-NII-1)	5250	11.36	11.31	11.28	11.24	11.18	11.14	11.08	11.05	10.99	10.92	10.89	10.85
50 (U-NII-2A)	5250	11.56	11.51	11.45	11.39	11.36	11.30	11.26	11.21	11.17	11.12	11.06	11.00
114	5570	14.56	14.48	14.42	14.33	14.23	14.16	14.11	14.01	13.97	13.88	13.84	13.77

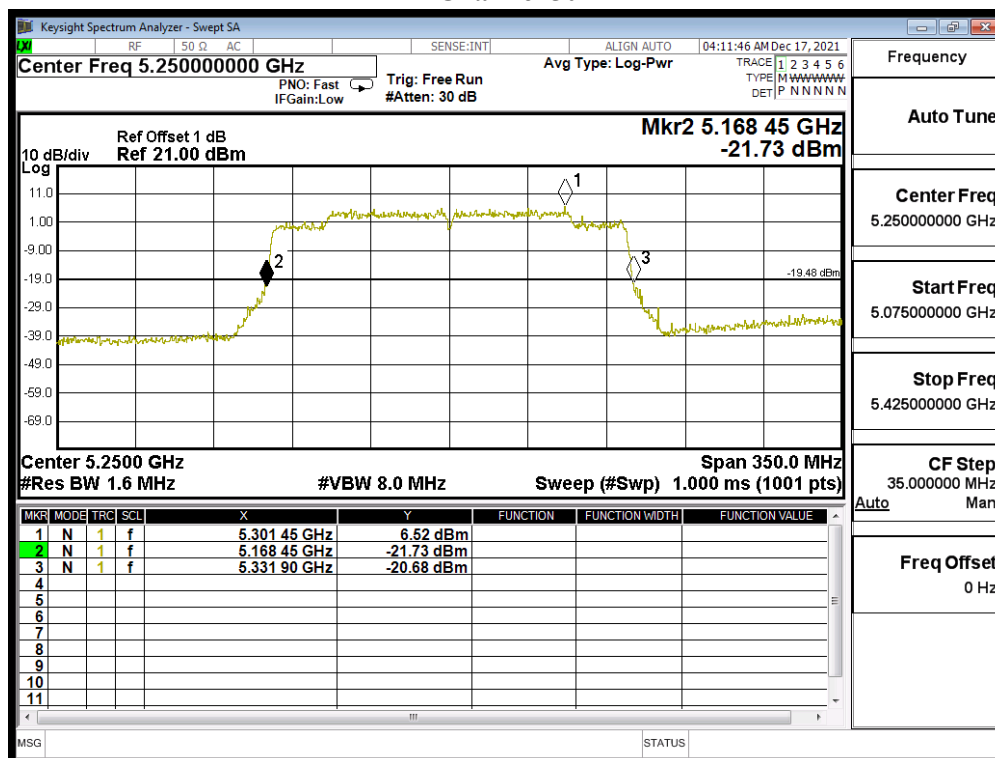
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50 (U-NII-1)	5250	--	11.36	24	--	Pass
50 (U-NII-2A)	5250	81.900	11.56	24	30.13	Pass
114	5570	163.840	14.56	24	33.14	Pass

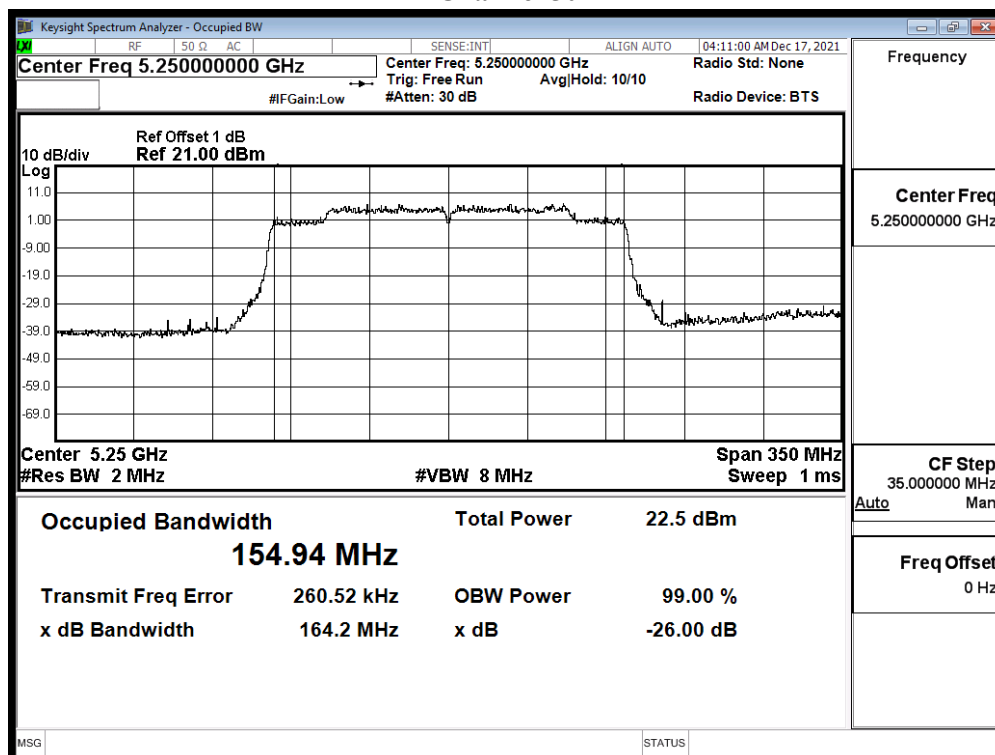
26dB Occupied Bandwidth:

Channel 50



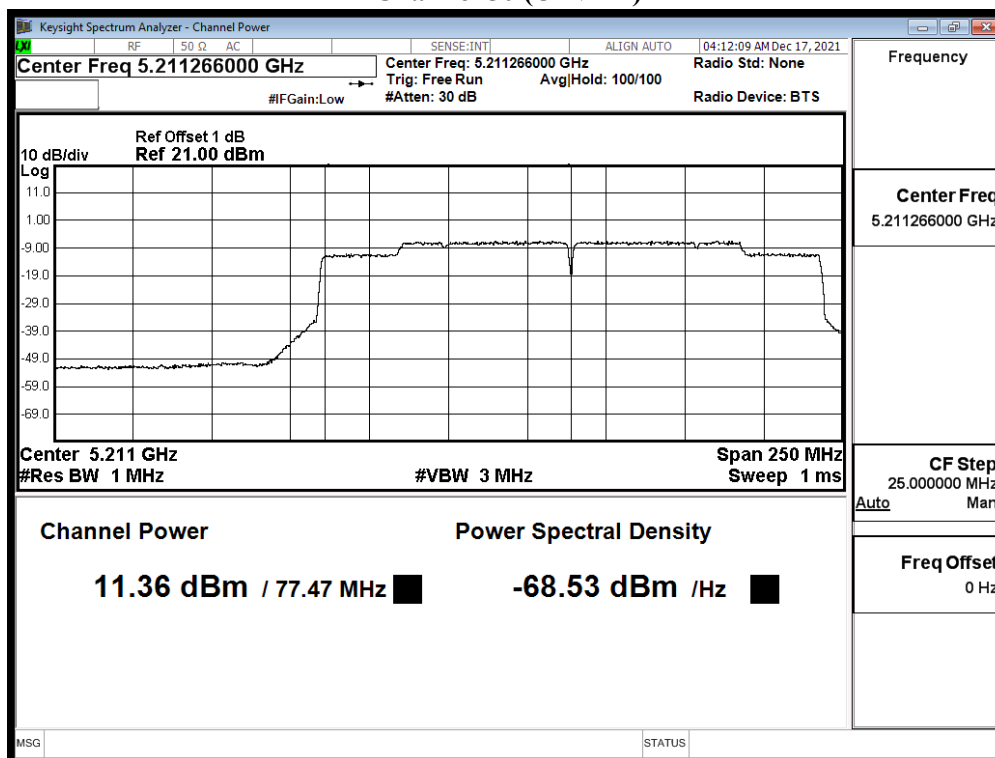
99% Occupied Bandwidth:

Channel 50



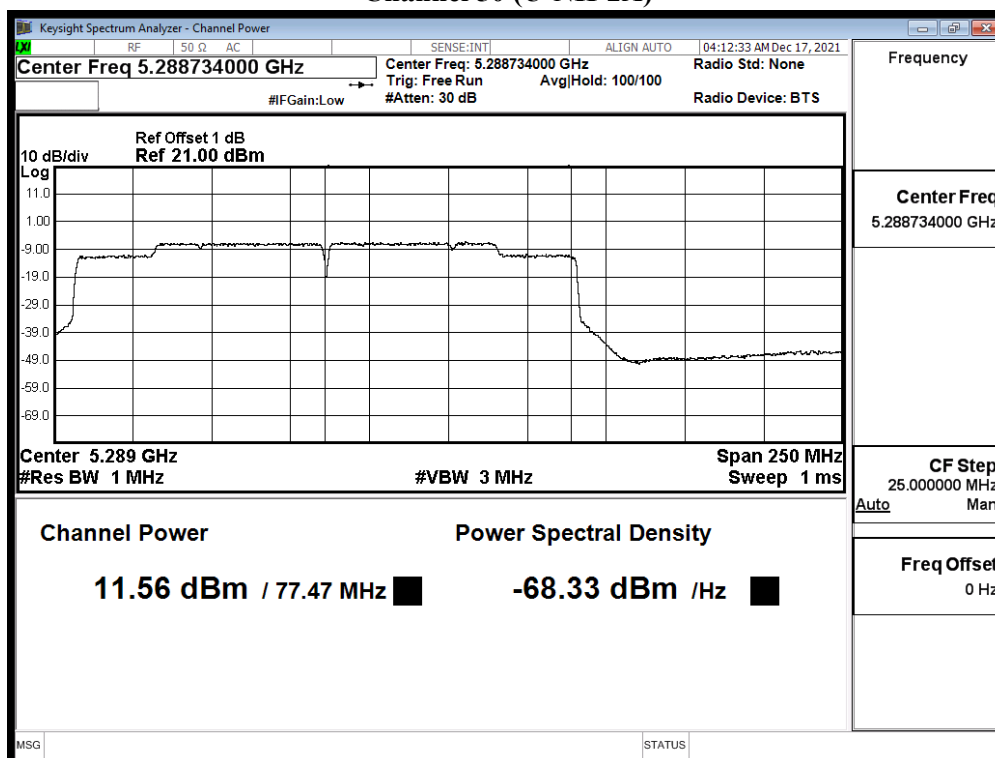
Maximum conducted output power:

Channel 50 (U-NII-1)



Maximum conducted output power:

Channel 50 (U-NII-2A)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 23 SISO B: Transmit (802.11ax-20BW Partial RU)
 Test Date : 2021/12/17

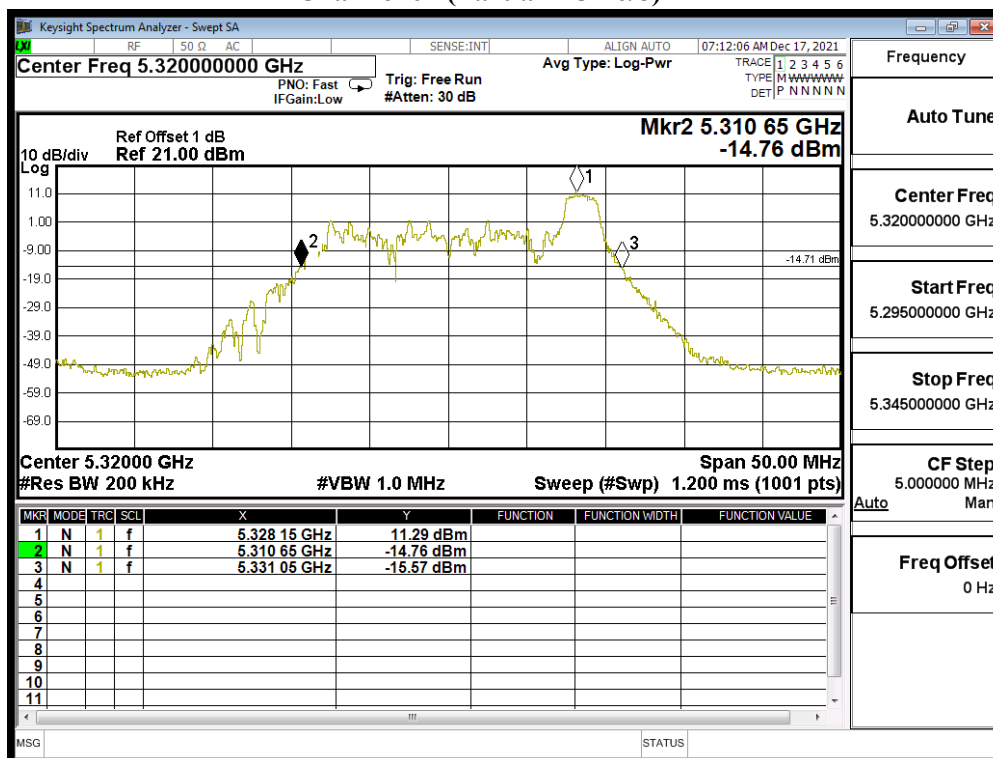
Cable loss=1dB		Maximum conducted output power												
Channel No.	Frequency (MHz)	Data Rate												
		Partial RU	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
36	5180	26/0	13.23	--	--	--	--	--	--	--	--	--	--	--
		52/37	16.26	16.22	16.15	16.09	16.03	15.96	15.90	15.86	15.83	15.76	15.70	15.64
		106/53	18.95	--	--	--	--	--	--	--	--	--	--	--
64	5320	26/8	13.18	--	--	--	--	--	--	--	--	--	--	--
		52/40	14.62	14.58	14.52	14.46	14.41	14.38	14.34	14.27	14.21	14.17	14.11	14.07
		106/54	18.97	--	--	--	--	--	--	--	--	--	--	--
100	5500	26/0	13.42	--	--	--	--	--	--	--	--	--	--	--
		52/37	16.22	16.18	16.13	16.10	16.02	15.94	15.91	15.84	15.80	15.77	15.67	15.63
		106/53	18.75	--	--	--	--	--	--	--	--	--	--	--
140	5700	26/8	13.34	--	--	--	--	--	--	--	--	--	--	--
		52/40	16.24	16.20	16.16	16.11	16.07	15.98	15.88	15.80	15.74	15.70	15.63	15.56
		106/54	18.86	--	--	--	--	--	--	--	--	--	--	--
149	5745	26/0	14.89	--	--	--	--	--	--	--	--	--	--	--
		52/37	17.65	17.57	17.54	17.48	17.44	17.37	17.29	17.25	17.15	17.09	17.04	16.97
		106/53	18.88	--	--	--	--	--	--	--	--	--	--	--

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

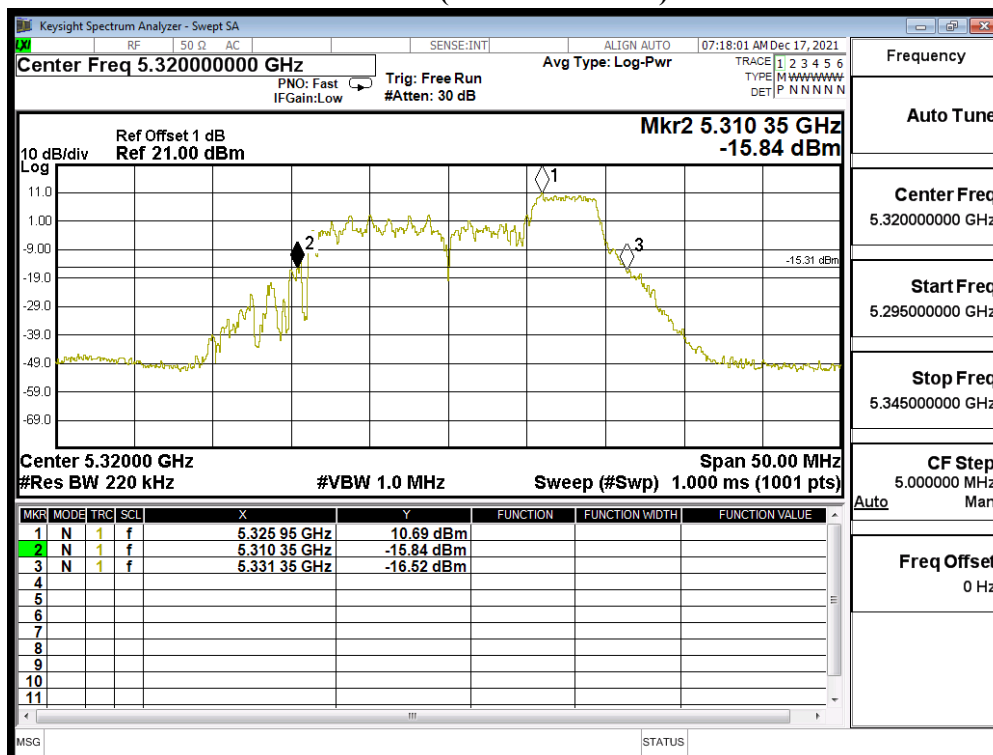
Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	Partial RU	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
					(dBm)	dBm+10log(BW)
36	5180	26/0	--	13.23	24	--
		52/37	--	16.26	24	--
		106/53	--	18.95	24	--
64	5320	26/8	20.820	13.18	24	24.18
		52/40	22.220	14.62	24	24.47
		106/54	23.720	18.97	24	24.75
100	5500	26/0	20.720	13.42	24	24.16
		52/37	21.720	16.22	24	24.37
		106/53	22.670	18.75	24	24.55
140	5700	26/8	20.920	13.34	24	24.21
		52/40	22.070	16.24	24	24.44
		106/54	23.770	18.86	24	24.76
149	5745	26/0	--	14.89	30	--
		52/37	--	17.65	30	--
		106/53	--	18.88	30	--

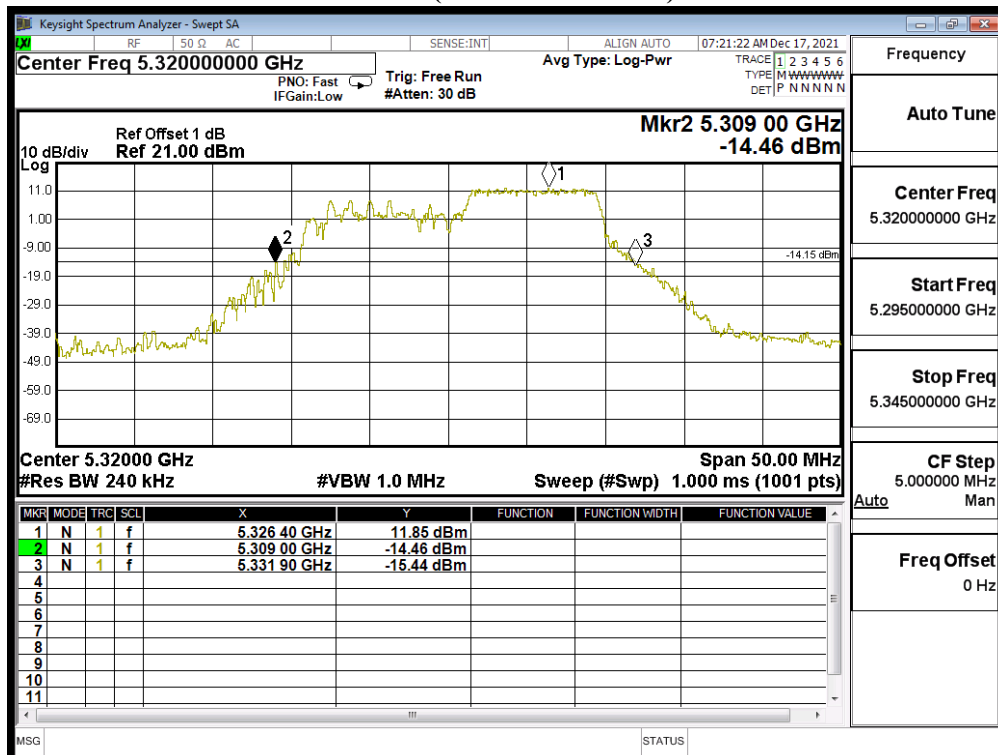
26dB Occupied Bandwidth:
Channel 64 (Partial RU 26/8)



Channel 64 (Partial RU 52/40)



Channel 64 (Partial RU 106/54)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 24 SISO B: Transmit (802.11ax-40BW Partial RU)
 Test Date : 2021/12/17

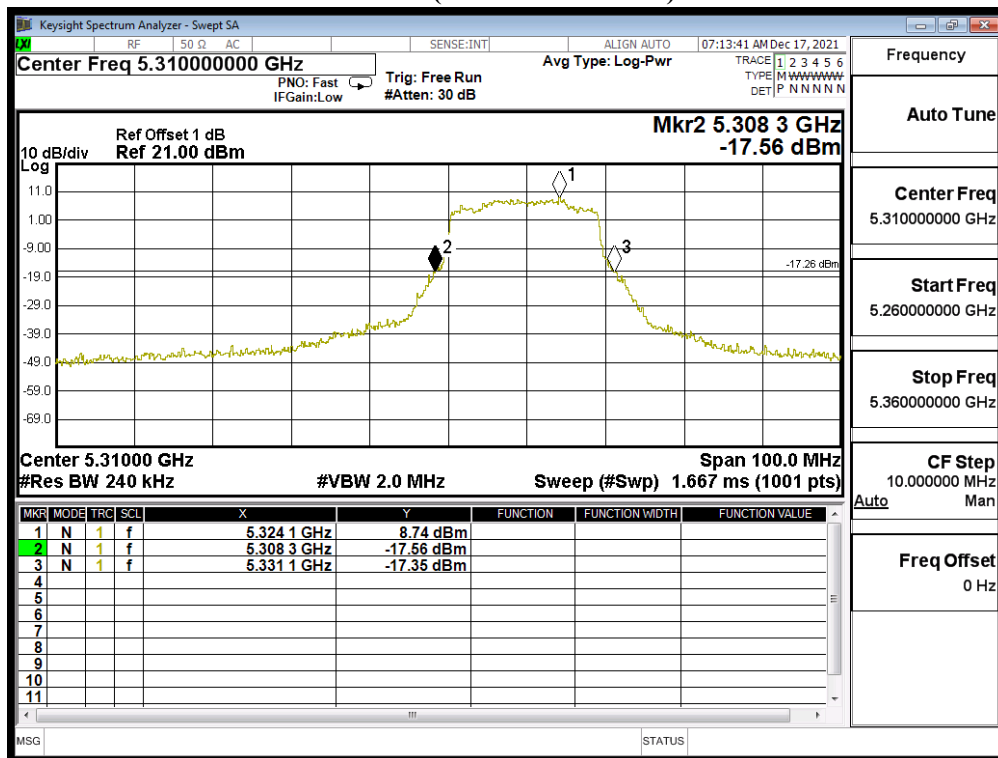
Cable loss=1dB		Maximum conducted output power												
Channel No.	Frequency (MHz)	Data Rate												
		Partial RU	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
38	5190	242/61	17.97	--	--	--	--	--	--	--	--	--	--	--
62	5310	242/62	18.14	18.11	18.06	18.02	17.96	17.92	17.87	17.83	17.79	17.74	17.67	17.62
102	5510	242/61	18.28	--	--	--	--	--	--	--	--	--	--	--
134	5670	242/62	18.79	18.70	18.61	18.54	18.48	18.43	18.36	18.30	18.20	18.15	18.09	18.06
151	5755	242/61	18.77	--	--	--	--	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	Partial RU	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
					(dBm)	dBm+10log(BW)
38	5190	242/61	--	17.97	24	--
62	5310	242/62	24.960	18.14	24	24.97
102	5510	242/61	25.140	18.28	24	25.00
134	5670	242/62	26.760	18.79	24	25.27
151	5755	242/61	--	18.77	30	--

26dB Occupied Bandwidth:
Channel 62 (Partial RU 242/62)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 25 SISO B: Transmit (802.11ax-80BW Partial RU)
 Test Date : 2021/12/17

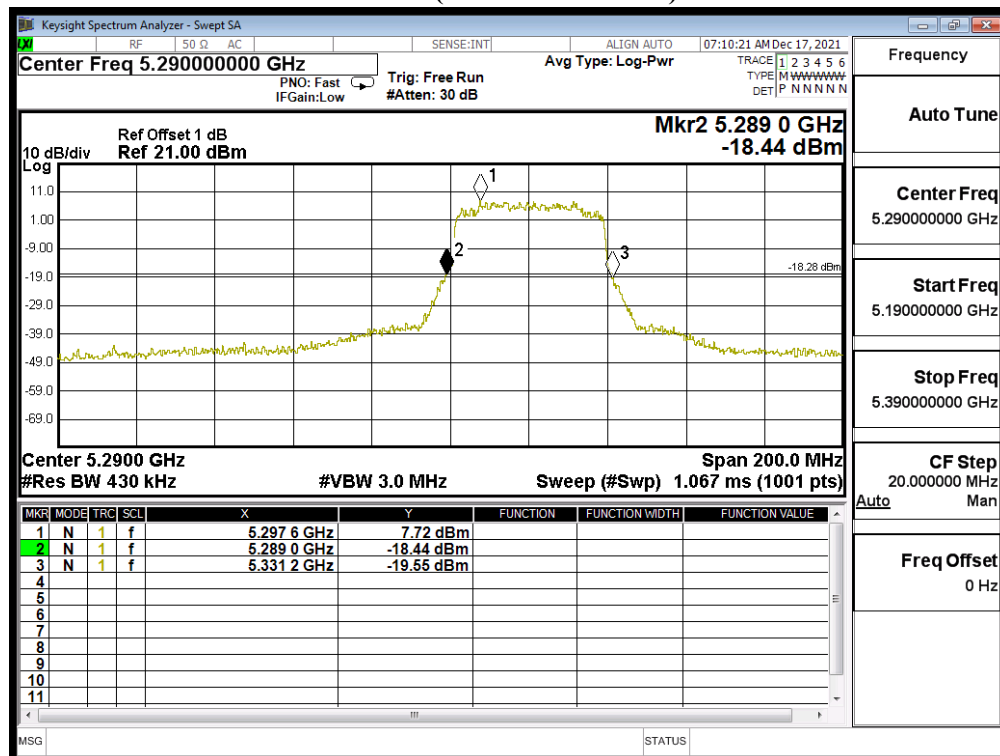
Cable loss=1dB		Maximum conducted output power												
Channel No.	Frequency (MHz)	Data Rate												
		Partial RU	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	484/65	17.45	17.40	17.35	17.28	17.24	17.19	17.13	17.10	17.06	17.02	16.95	16.90
58	5290	484/66	17.13	17.06	17.01	16.95	16.91	16.84	16.78	16.75	16.69	16.63	16.59	16.53
106	5530	484/65	17.08	17.01	16.98	16.88	16.83	16.75	16.69	16.61	16.55	16.48	16.38	16.32
155	5775	484/65	18.84	18.81	18.76	18.68	18.59	18.49	18.41	18.34	18.30	18.24	18.18	18.11

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

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	Partial RU	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
					(dBm)	dBm+10log(BW)
42	5210	484/65	--	17.45	24	--
58	5290	484/66	43.870	17.13	24	27.42
106	5530	484/65	43.930	17.08	24	27.43
155	5775	484/65	--	18.84	30	--

26dB Occupied Bandwidth:
Channel 58 (Partial RU 484/66)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 26 SISO B: Transmit (802.11ax-160BW Partial RU)
 Test Date : 2021/12/17

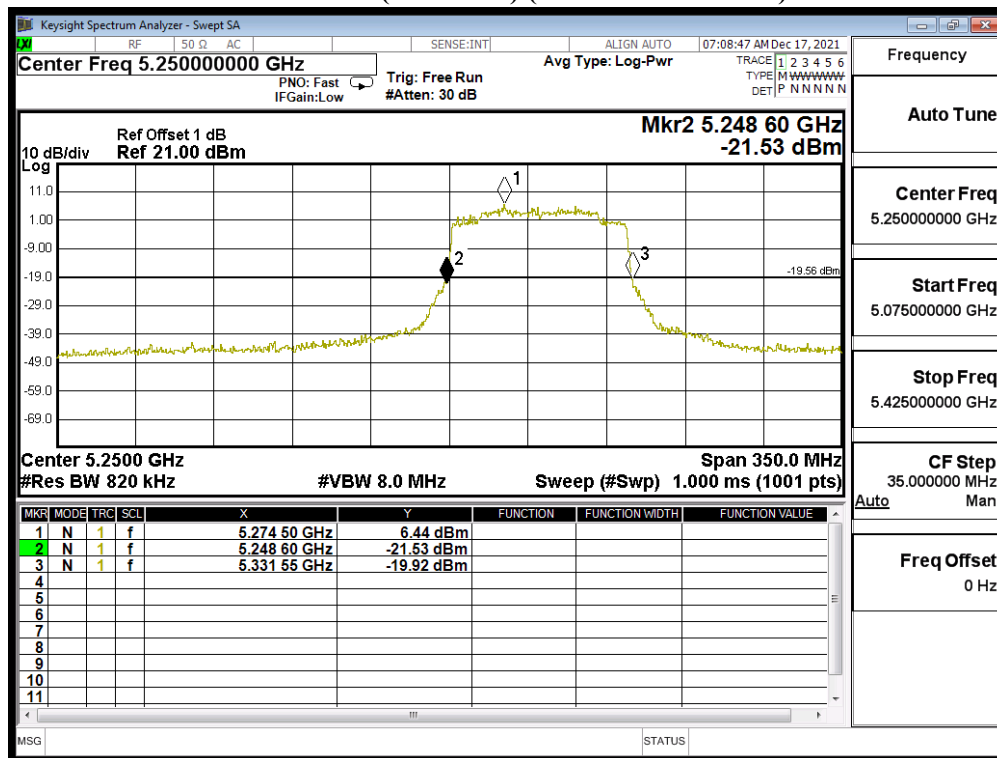
Cable loss=1dB		Maximum conducted output power												
Channel No.	Frequency (MHz)	Data Rate												
		Partial RU	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
50 (U-NII-1)	5250	996/67	14.96	14.89	14.83	14.79	14.76	14.72	14.66	14.62	14.58	14.52	14.47	14.42
50 (U-NII-2A)	5250	996/S67	14.26	14.22	14.16	14.13	14.05	13.99	13.89	13.86	13.81	13.77	13.73	13.64
114	5570	996/67	14.11	14.03	13.95	13.90	13.83	13.77	13.70	13.66	13.61	13.55	13.46	13.43
		996/S67	14.23	14.16	14.06	13.99	13.91	13.85	13.79	13.70	13.60	13.50	13.47	13.41

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

Maximum conducted output power Measurement

Channel No.	Frequency Range (MHz)	Partial RU	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
					(dBm)	dBm+10log(BW)
50 (U-NII-1)	5250	996/67	--	14.96	24	--
50 (U-NII-2A)	5250	996/S67	86.220	14.26	24	30.36
114	5570	996/67	85.560	14.11	24	30.32
		996/S67	85.230	14.23	24	30.31

26dB Occupied Bandwidth:
Channel 50 (U-NII-2A) (Partial RU 996/S67)



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 27 MIMO: Transmit (802.11n-20BW 14.4Mbps)
 Test Date : 2022/02/22

Chain A

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate							
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15
		Measurement Level (dBm)							
36	5180	15.86	--	--	--	--	--	--	--
40	5200	17.61	17.57	17.53	17.49	17.43	17.39	17.35	17.29
48	5240	18.16	--	--	--	--	--	--	--
52	5260	17.98	--	--	--	--	--	--	--
56	5280	17.77	17.70	17.66	17.62	17.56	17.53	17.50	17.44
64	5320	13.23	--	--	--	--	--	--	--
100	5500	13.97	--	--	--	--	--	--	--
116	5580	18.31	18.28	18.20	18.12	18.09	18.02	17.99	17.96
140	5700	14.20	--	--	--	--	--	--	--
144(U-NII-2C)	5720	16.23	16.14	16.05	16.02	15.95	15.89	15.82	15.72
144(U-NII-3)	5720	8.94	8.91	8.88	8.83	8.78	8.69	8.61	8.52
149	5745	17.65	--	--	--	--	--	--	--
157	5785	17.72	17.65	17.56	17.52	17.45	17.38	17.33	17.30
165	5825	17.85	--	--	--	--	--	--	--

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

Chain B

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate							
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15
		Measurement Level (dBm)							
36	5180	15.84	--	--	--	--	--	--	--
40	5200	17.13	17.09	17.03	16.98	16.91	16.84	16.78	16.75
48	5240	17.97	--	--	--	--	--	--	--
52	5260	17.76	--	--	--	--	--	--	--
56	5280	17.63	17.59	17.54	17.50	17.47	17.43	17.38	17.32
64	5320	13.06	--	--	--	--	--	--	--
100	5500	13.80	--	--	--	--	--	--	--
116	5580	18.07	17.98	17.94	17.91	17.88	17.78	17.72	17.68
140	5700	13.99	--	--	--	--	--	--	--
144(U-NII-2C)	5720	16.12	16.07	16.03	15.97	15.92	15.87	15.83	15.78
144(U-NII-3)	5720	8.83	8.73	8.68	8.63	8.59	8.54	8.49	8.46
149	5745	17.79	--	--	--	--	--	--	--
157	5785	17.73	17.69	17.61	17.54	17.51	17.42	17.34	17.31
165	5825	17.76	--	--	--	--	--	--	--

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

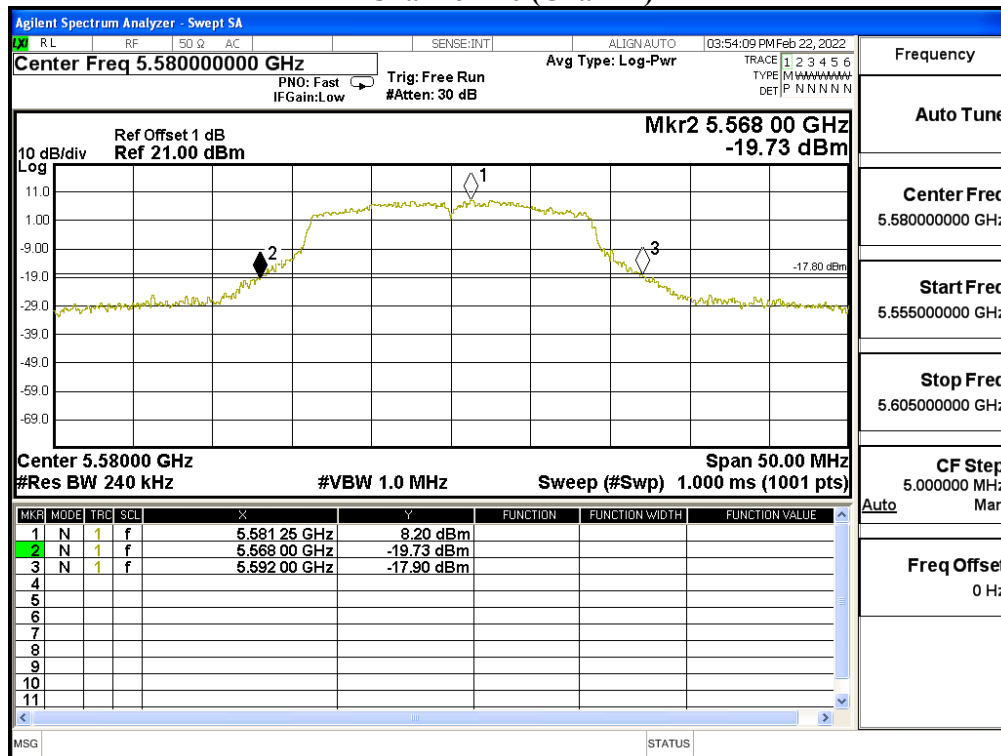
Maximum conducted output power Measurement:

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
36	5180	--	15.86	15.84	18.86	24	--
40	5200	--	17.61	17.13	20.39	24	--
48	5240	--	18.16	17.97	21.08	24	--
52	5260	25.730	17.98	17.76	20.88	24	25.10
56	5280	24.570	17.77	17.63	20.71	24	24.90
64	5320	24.620	13.23	13.06	16.16	24	24.91
100	5500	24.870	13.97	13.80	16.90	24	24.96
116	5580	23.550	18.31	18.07	21.20	24	24.72
140	5700	24.920	14.20	13.99	17.11	24	24.97
144(U-NII-2C)	5720	17.270	16.23	16.12	19.19	24	23.37
144(U-NII-3)	5720	--	8.94	8.83	11.90	30	--
149	5745	--	17.65	17.79	20.73	30	--
157	5785	--	17.72	17.73	20.74	30	--
165	5825	--	17.85	17.76	20.82	30	--

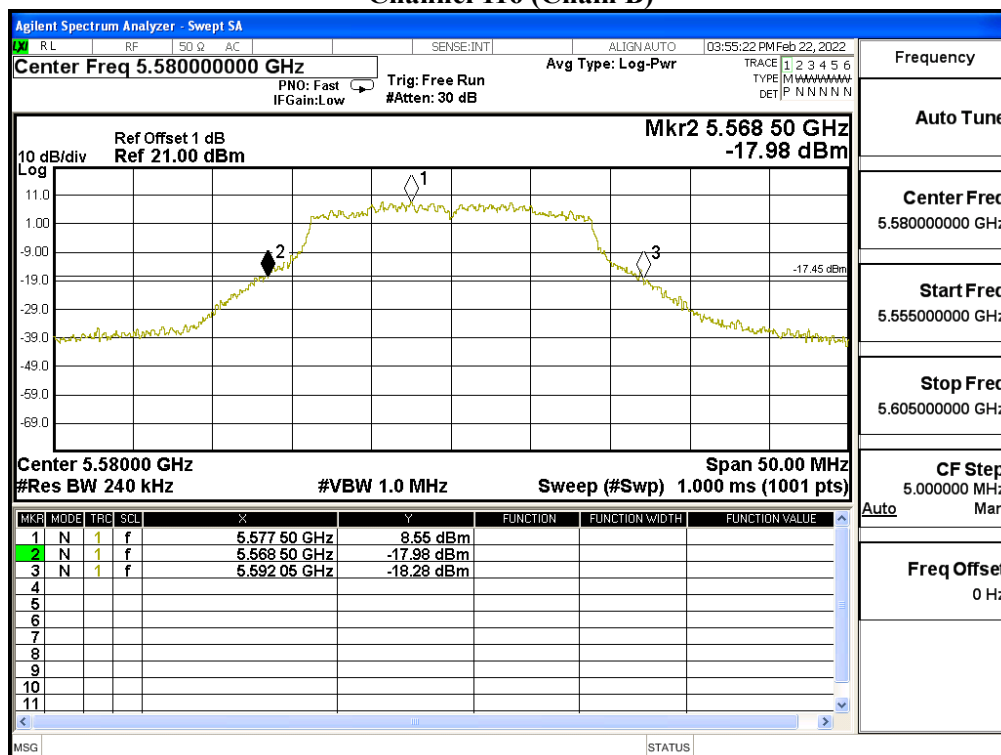
Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW))
2. 26dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

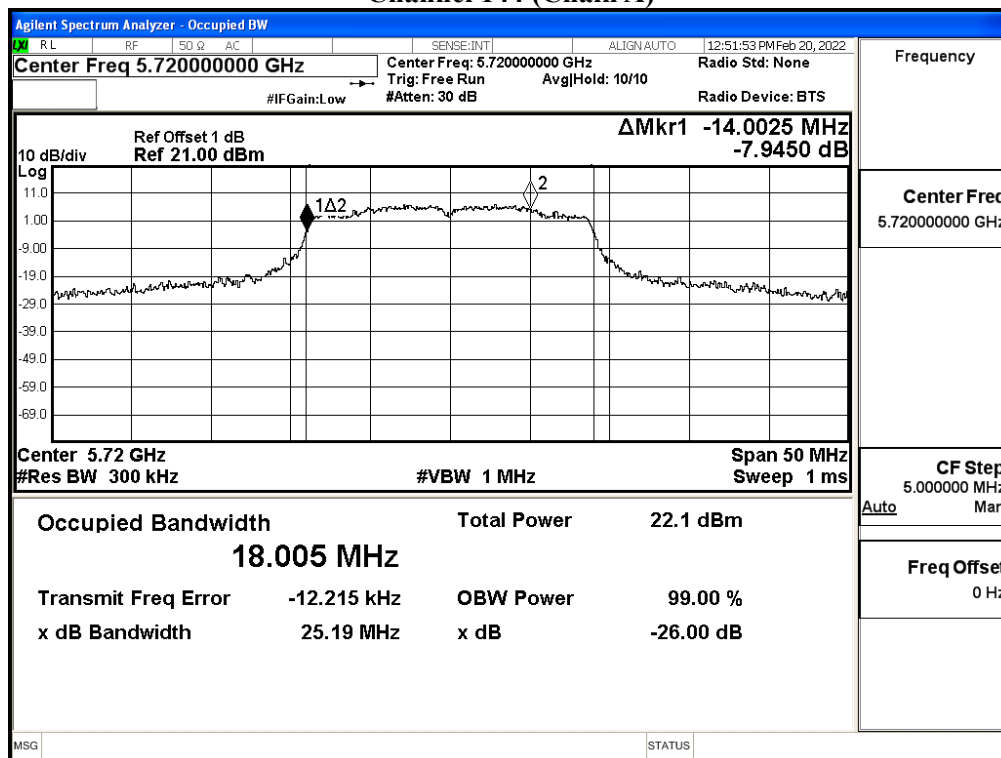
26dB Occupied Bandwidth: Channel 116 (Chain A)



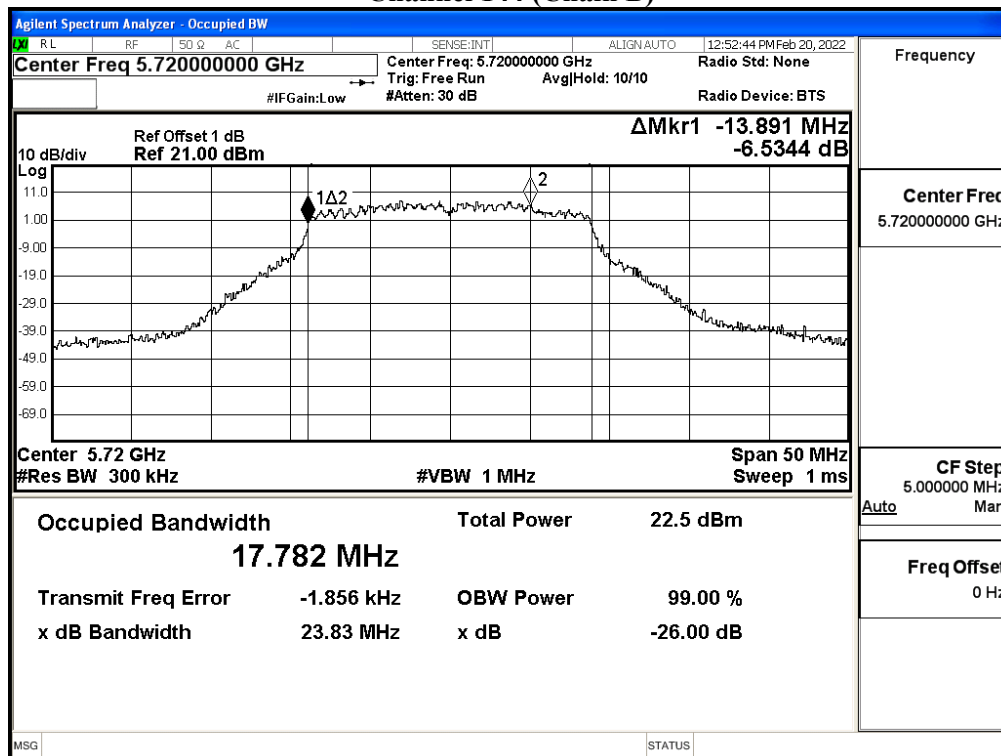
Channel 116 (Chain B)



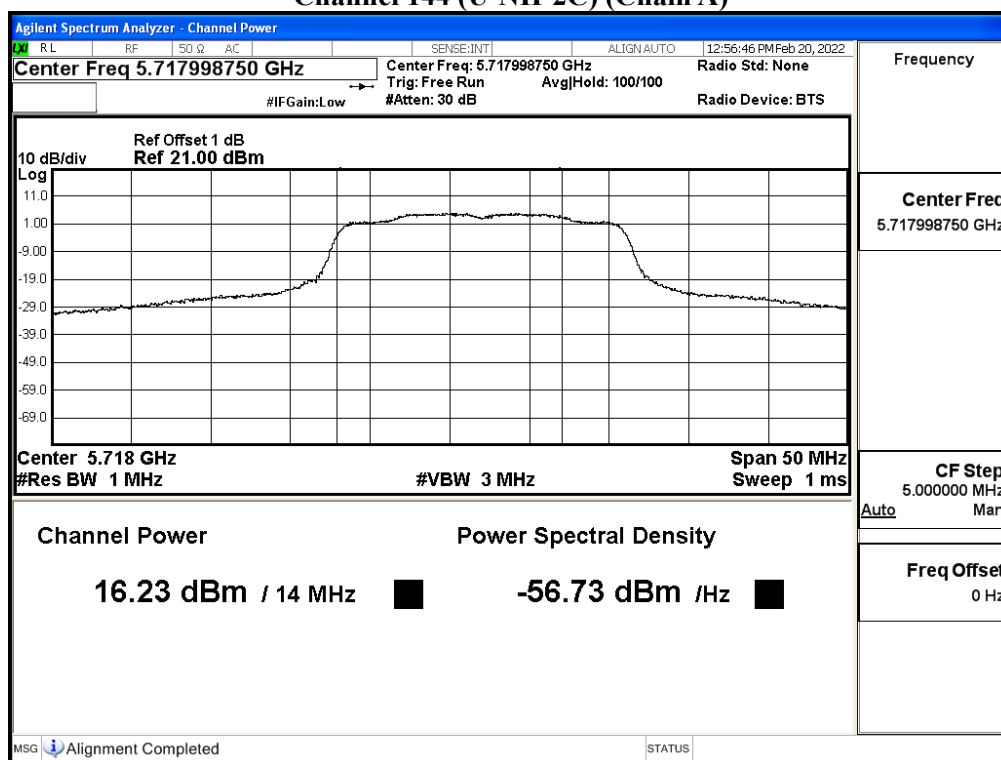
99% Occupied Bandwidth:
Channel 144 (Chain A)



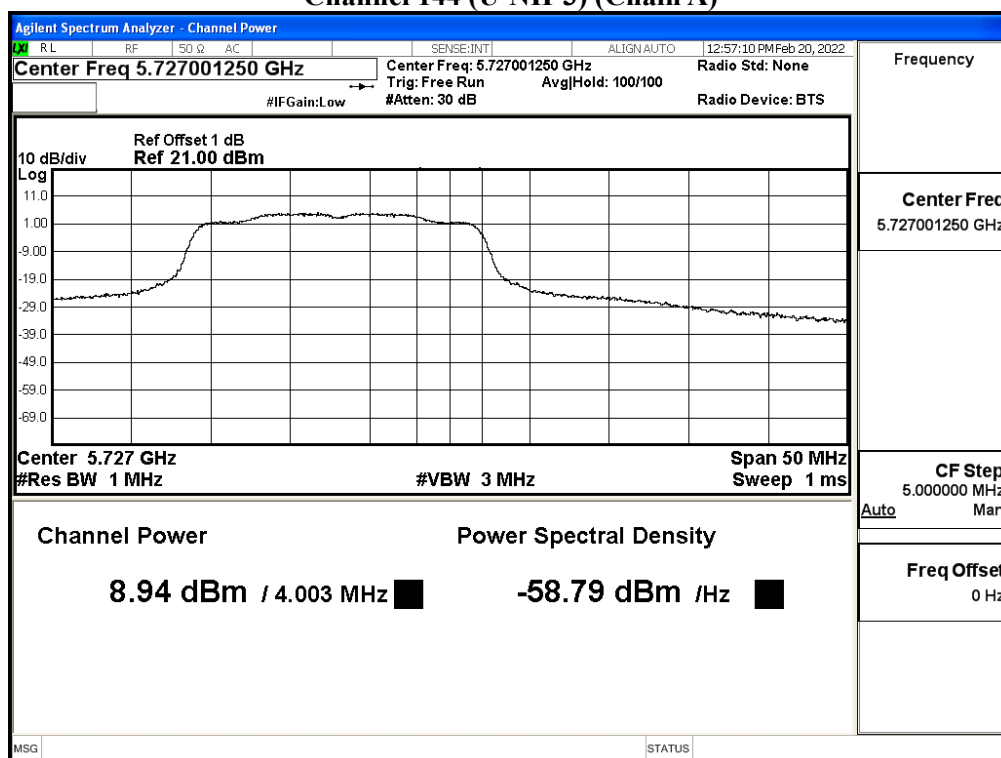
99% Occupied Bandwidth:
Channel 144 (Chain B)



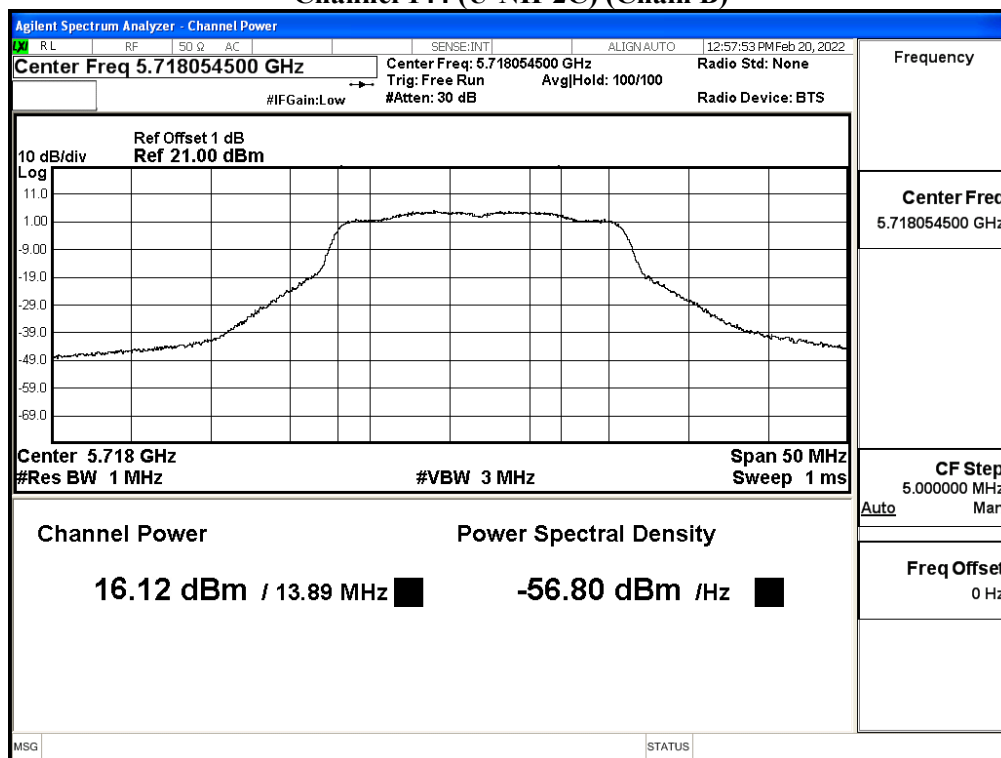
Maximum conducted output power:
Channel 144 (U-NII-2C) (Chain A)



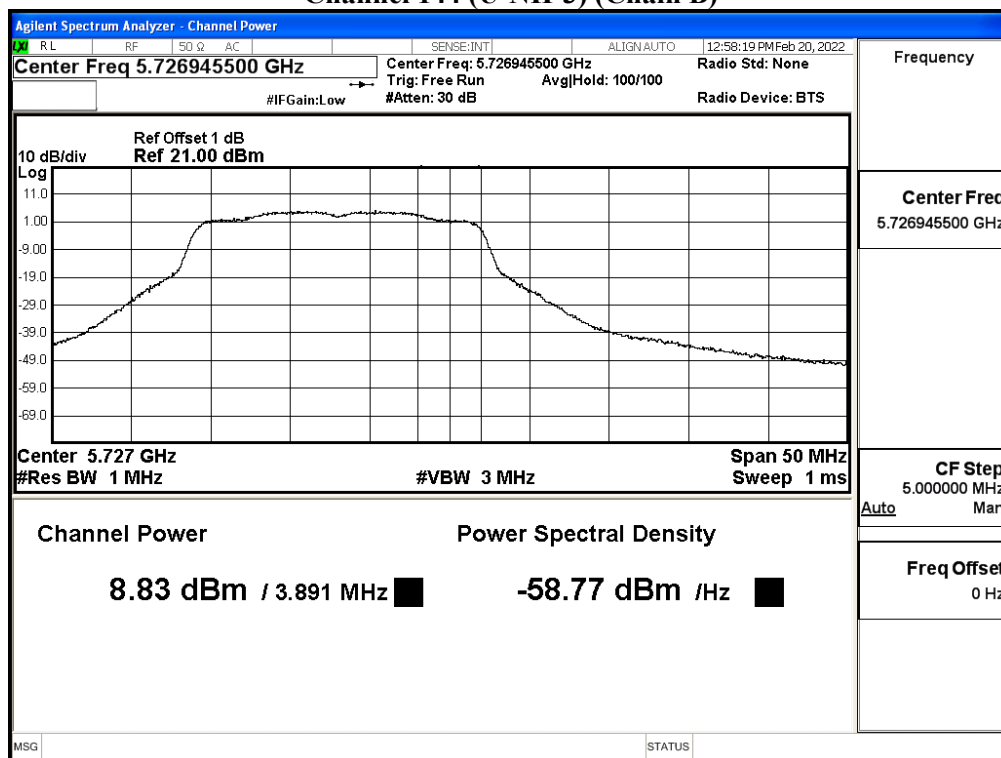
Maximum conducted output power:
Channel 144 (U-NII-3) (Chain A)



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



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



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 28 MIMO: Transmit (802.11n-40BW 30Mbps)
 Test Date : 2022/02/22

Chain A

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate							
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15
		Measurement Level (dBm)							
38	5190	15.35	--	--	--	--	--	--	--
46	5230	17.70	17.65	17.61	17.58	17.52	17.46	17.41	17.37
54	5270	16.32	--	--	--	--	--	--	--
62	5310	12.91	12.88	12.84	12.79	12.74	12.68	12.62	12.57
102	5510	14.05	--	--	--	--	--	--	--
110	5550	18.22	18.17	18.08	18.02	17.93	17.83	17.74	17.64
134	5670	16.76	--	--	--	--	--	--	--
142(U-NII-2C)	5710	18.18	18.14	18.10	18.04	18.00	17.96	17.92	17.86
142(U-NII-3)	5710	4.89	4.83	4.77	4.72	4.63	4.56	4.48	4.43
151	5755	17.98	--	--	--	--	--	--	--
159	5795	18.11	18.03	17.97	17.92	17.89	17.80	17.74	17.66

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

Chain B

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate							
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15
		Measurement Level (dBm)							
38	5190	14.78	--	--	--	--	--	--	--
46	5230	17.64	17.61	17.56	17.52	17.48	17.41	17.35	17.29
54	5270	16.31	--	--	--	--	--	--	--
62	5310	12.65	12.60	12.55	12.51	12.47	12.42	12.37	12.32
102	5510	13.85	--	--	--	--	--	--	--
110	5550	17.98	17.94	17.90	17.86	17.82	17.79	17.76	17.72
134	5670	16.59	--	--	--	--	--	--	--
142(U-NII-2C)	5710	17.99	17.92	17.88	17.80	17.73	17.70	17.60	17.52
142(U-NII-3)	5710	5.26	5.19	5.14	5.10	5.06	4.97	4.89	4.85
151	5755	17.68	--	--	--	--	--	--	--
159	5795	17.82	17.77	17.71	17.63	17.53	17.47	17.41	17.35

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

Maximum conducted output power Measurement:

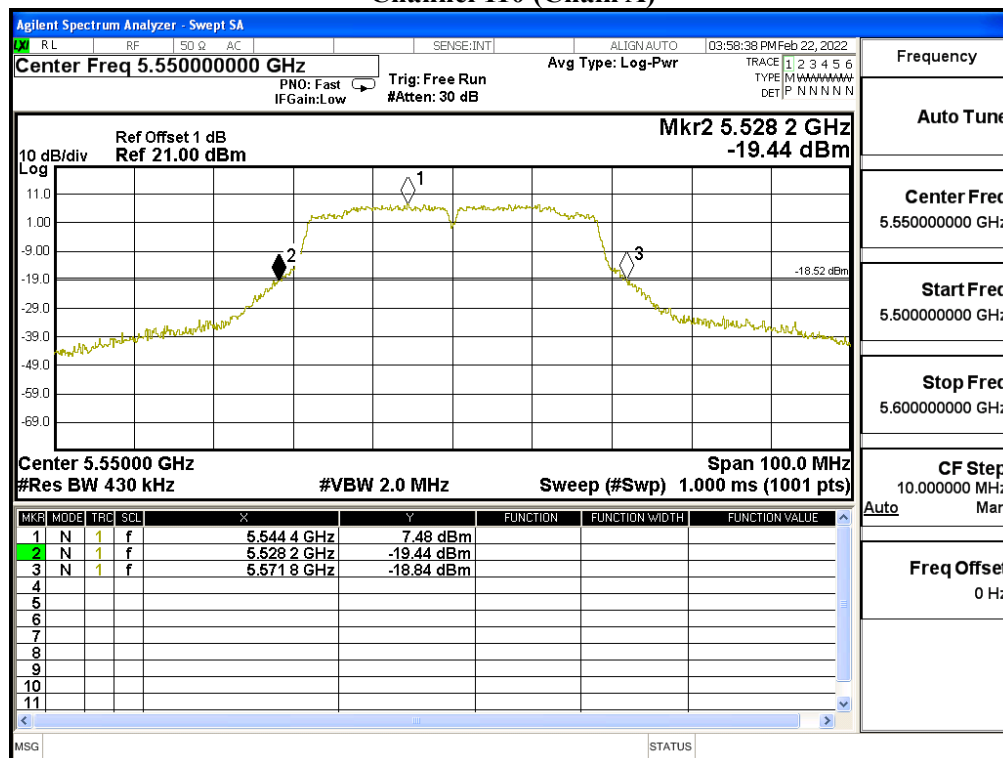
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
38	5190	--	15.35	14.78	18.08	24	--
46	5230	--	17.70	17.64	20.68	24	--
54	5270	43.060	16.32	16.31	19.33	24	27.34
62	5310	43.060	12.91	12.65	15.79	24	27.34
102	5510	44.320	14.05	13.85	16.96	24	27.47
110	5550	42.500	18.22	17.98	21.11	24	27.28
134	5670	44.860	16.76	16.59	19.69	24	27.52
142(U-NII-2C)	5710	39.302	18.18	17.99	21.10	24	26.94
142(U-NII-3)	5710	--	4.89	5.26	8.09	30	--
151	5755	--	17.98	17.68	20.84	30	--
159	5795	--	18.11	17.82	20.98	30	--

Note:

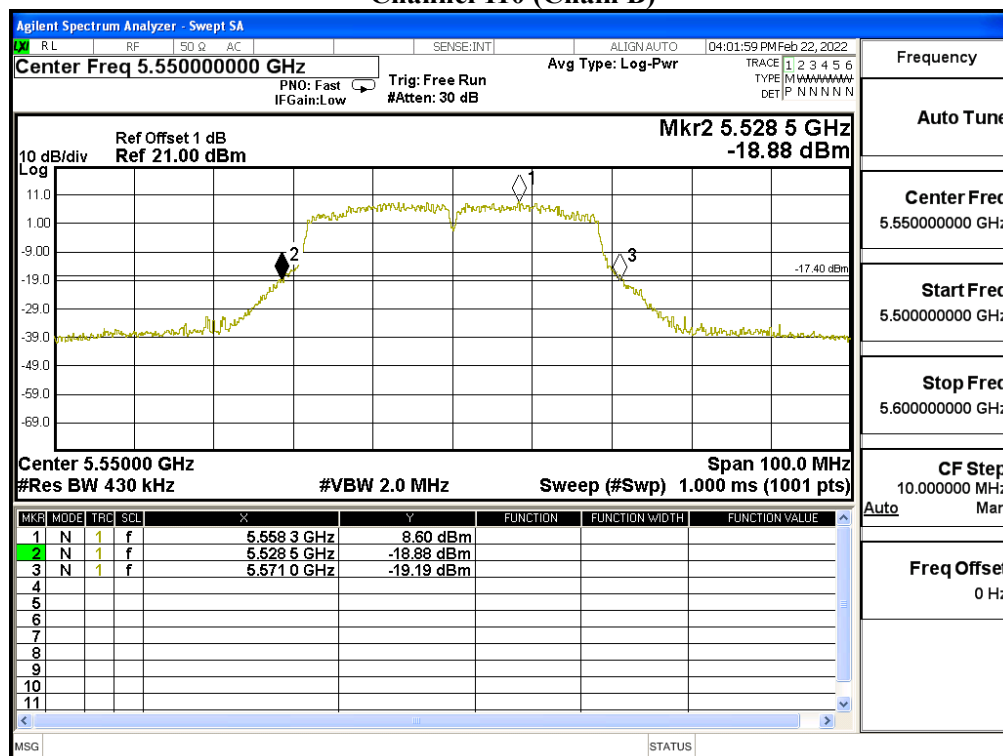
1. Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)).
2. 26dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

26dB Occupied Bandwidth:

Channel 110 (Chain A)

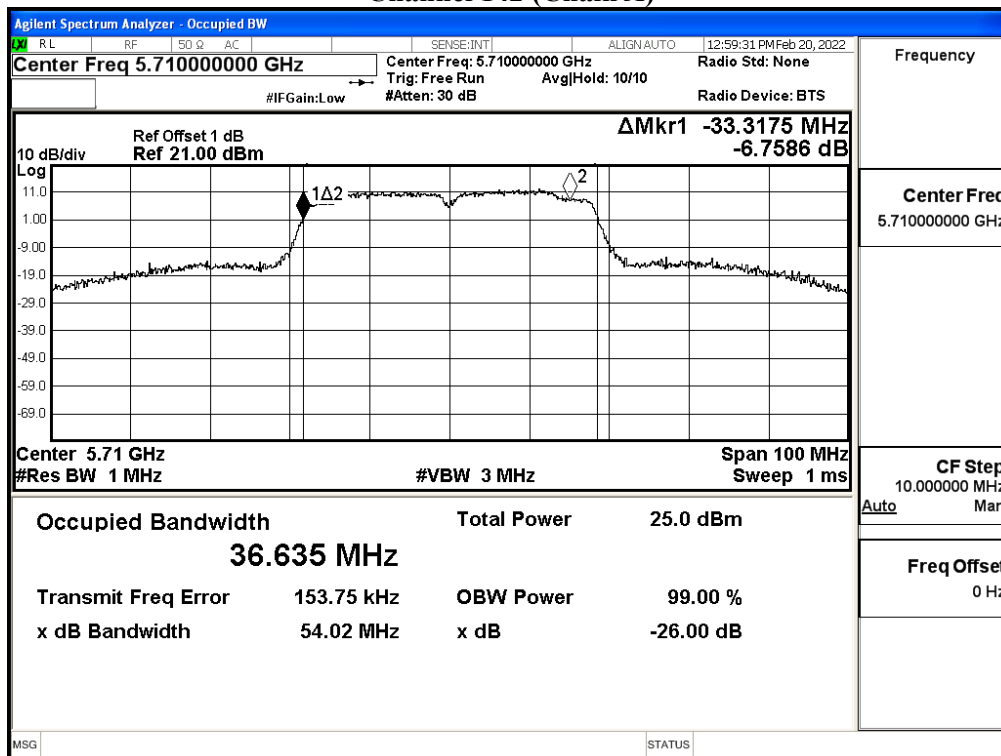


Channel 110 (Chain B)

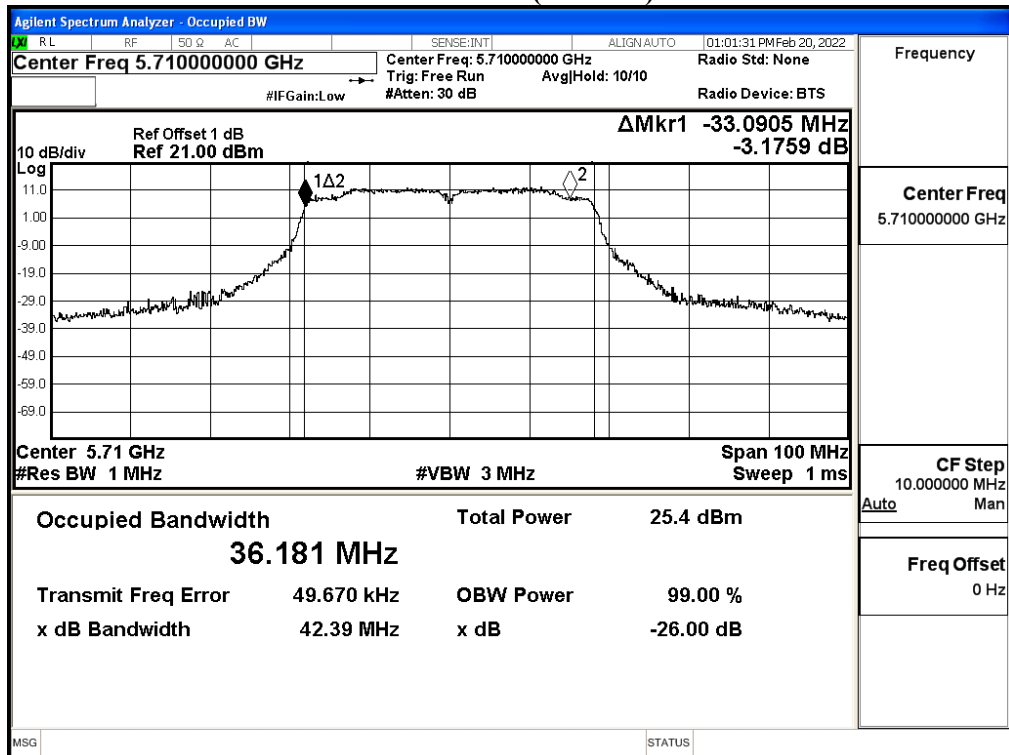


99% Occupied Bandwidth:

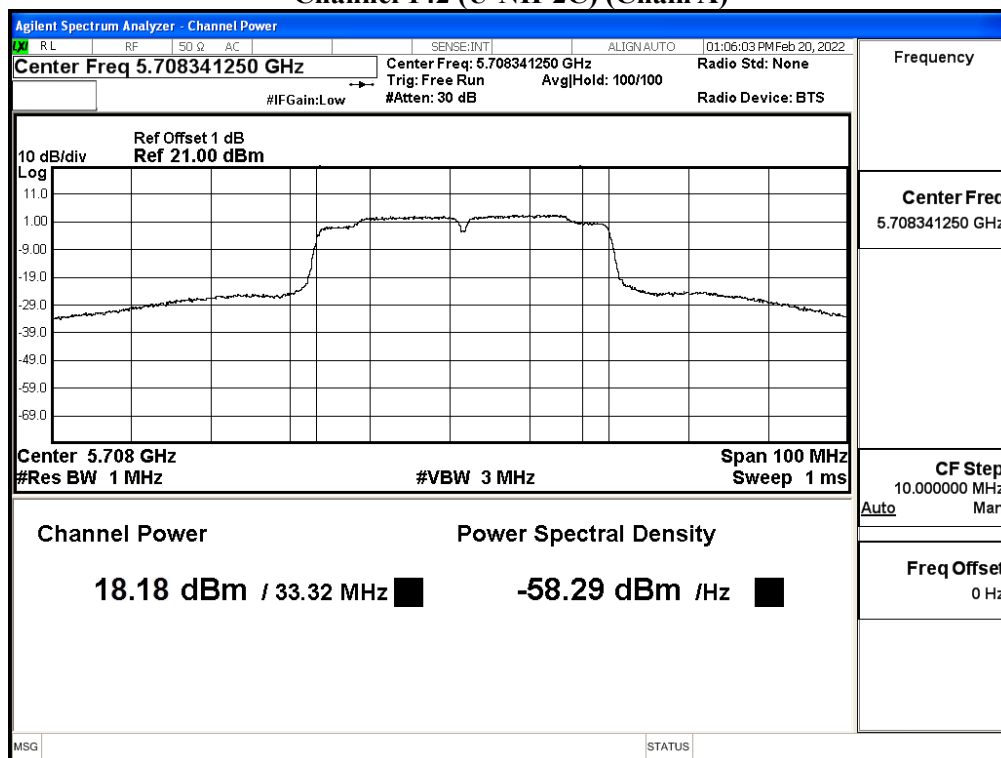
Channel 142 (Chain A)



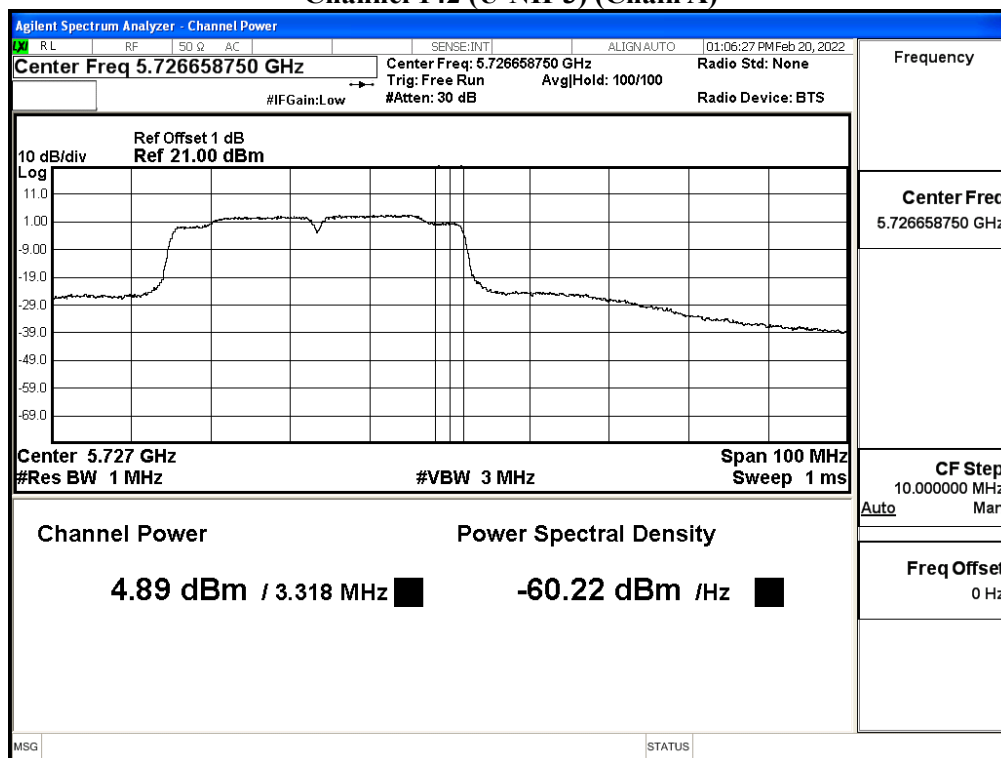
Channel 142 (Chain B)



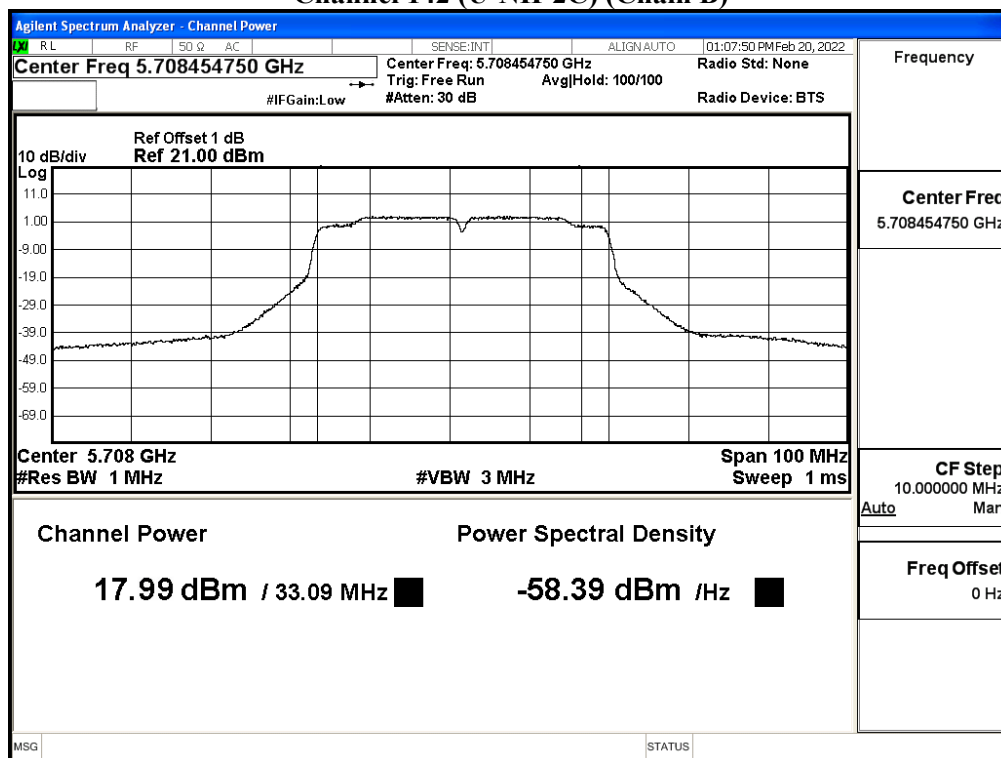
Maximum conducted output power:
Channel 142 (U-NII-2C) (Chain A)



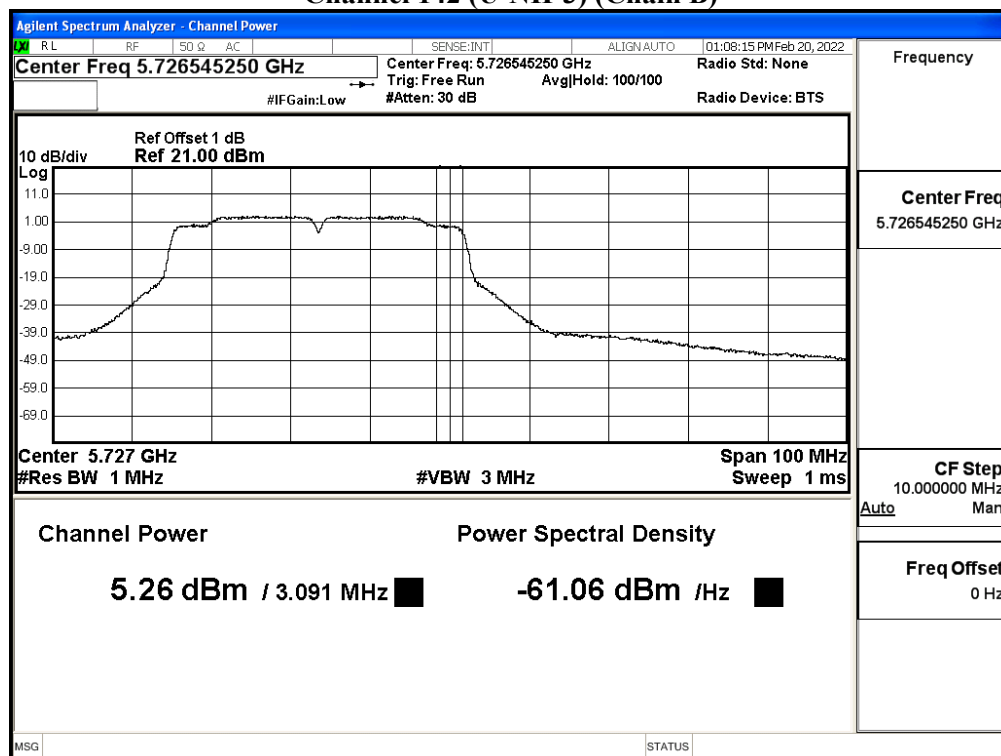
Maximum conducted output power:
Channel 142 (U-NII-3) (Chain A)



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



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



Product : Intel® Wi-Fi 6 AX201
 Test Item : Maximum conducted output power
 Test Mode : Mode 29 MIMO: Transmit (802.11ac-80BW 65Mbps)
 Test Date : 2022/02/20

Chain A

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate									
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9
42	5210	15.47	15.40	15.34	15.28	15.24	15.21	15.16	15.11	15.04	14.99
58	5290	14.12	14.05	14.01	13.95	13.90	13.84	13.78	13.74	13.71	13.66
106	5530	14.71	--	--	--	--	--	--	--	--	--
122	5610	18.46	18.42	18.38	18.31	18.27	18.22	18.16	18.11	18.06	18.03
138 (U-NII-2C)	5690	18.41	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	1.14	--	--	--	--	--	--	--	--	--
155	5775	16.52	16.48	16.44	16.34	16.27	16.20	16.15	16.12	16.09	16.06

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

Chain B

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate									
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9
42	5210	15.36	15.31	15.27	15.20	15.15	15.09	15.05	15.00	14.97	14.93
58	5290	13.85	13.81	13.77	13.71	13.67	13.63	13.60	13.57	13.50	13.43
106	5530	14.98	--	--	--	--	--	--	--	--	--
122	5610	18.45	18.37	18.30	18.26	18.17	18.08	18.01	17.98	17.92	17.84
138 (U-NII-2C)	5690	18.35	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	1.48	--	--	--	--	--	--	--	--	--
155	5775	16.47	16.40	16.32	16.29	16.21	16.17	16.10	16.03	15.97	15.94

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

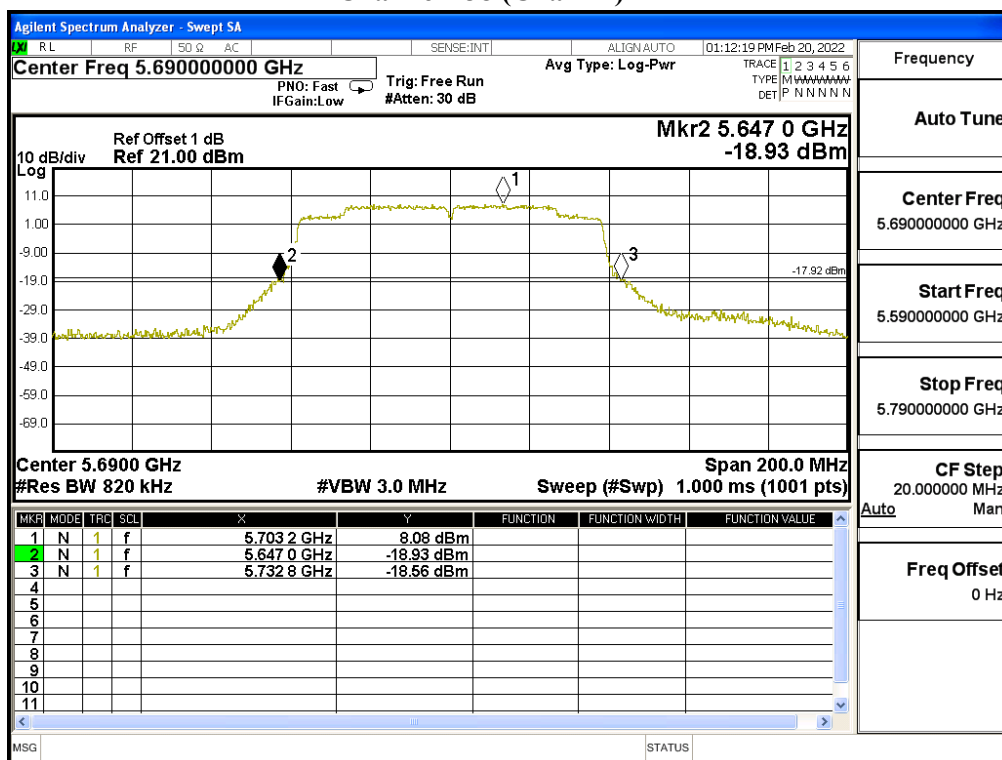
Maximum conducted output power Measurement:

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
42	5210	--	15.47	15.36	18.43	24	--
58	5290	85.390	14.12	13.85	17.00	24	30.31
106	5530	86.160	14.71	14.98	17.86	24	30.35
122	5610	86.920	18.46	18.45	21.47	24	30.39
138 (U-NII-2C)	5690	77.200	18.41	18.35	21.39	24	29.88
138 (U-NII-3)	5690	--	1.14	1.48	4.32	30	--
155	5775	--	16.52	16.47	19.51	30	--

Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW))
2. 26dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

26dB Occupied Bandwidth:
Channel 138 (Chain A)



Channel 138 (Chain B)

