

FCC Test Report

(Class II Permissive Change)

Product Name	Intel® Wi-Fi 6 AX200
Model No	AX200NGW
FCC ID	PD9AX200NG

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

Date of Receipt	Mar. 25, 2019
Issued Date	Apr. 17, 2019
Report No.	1930393R-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.

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.

Test Report

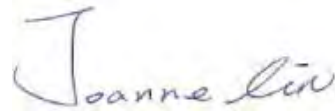
Issued Date: Apr. 17, 2019

Report No.: 1930393R-RFUSP30V00



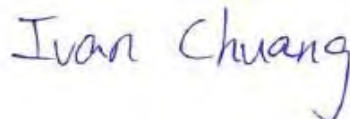
Product Name	Intel® Wi-Fi 6 AX200
Applicant	Intel Corporation
Address	100 Center Point Circle Suite 200 Columbia, South Carolina 29210, United States
Manufacturer	Intel Mobile Communications
Model No.	AX200NGW
FCC ID.	PD9AX200NG
EUT Rated Voltage	DC 3.3V
EUT Test Voltage	DC 3.3V (Power By Test Fixture)
Trade Name	Intel
Applicable Standard	FCC CFR Title 47 Part 15 Subpart E: 2018 ANSI C63.4: 2014, ANSI C63.10: 2013 789033 D02 General UNII Test Procedures New Rules v02
Test Result	Complied

Documented By :



(Senior Adm. Specialist / Joanne Lin)

Tested By :



(Senior Engineer / Ivan Chuang)

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 AX200
Trade Name	Intel
FCC ID.	PD9AX200NG
Model No.	AX200NGW
Frequency Range	802.11a/n/ax-20MHz: 5180-5320MHz, 5500-5700MHz, 5720 MHz, 5745-5825MHz 802.11n/ax-40MHz: 5190-5310MHz, 5510-5670MHz, 5710 MHz, 5755-5795MHz 802.11ac/ax-80MHz: 5210-5290MHz, 5530-5690MHz, 5775MHz 802.11ac/ax-160MHz: 5250MHz, 5570MHz
Number of Channels	802.11a/n/ax-20MHz: 25 802.11n/ax-40MHz: 12 802.11ac/ax-80MHz: 6 802.11ac/ax-160MHz: 2
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, 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 Technologies co.,Ltd.	GY121HT0321-003-H / GY121C888-001-H	Dipole Antenna	2.92 dBi for 5.15~5.25GHz 3.19 dBi for 5.25~5.35GHz 4.41 dBi for 5.47~5.725GHz 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 AX200 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: PD9AX200NG, originally granted on 03/05/2019.

The major change filed under this application is:

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

Change #2: Reduce the Output Power through firmware, All other hardware is identical with original granted.

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

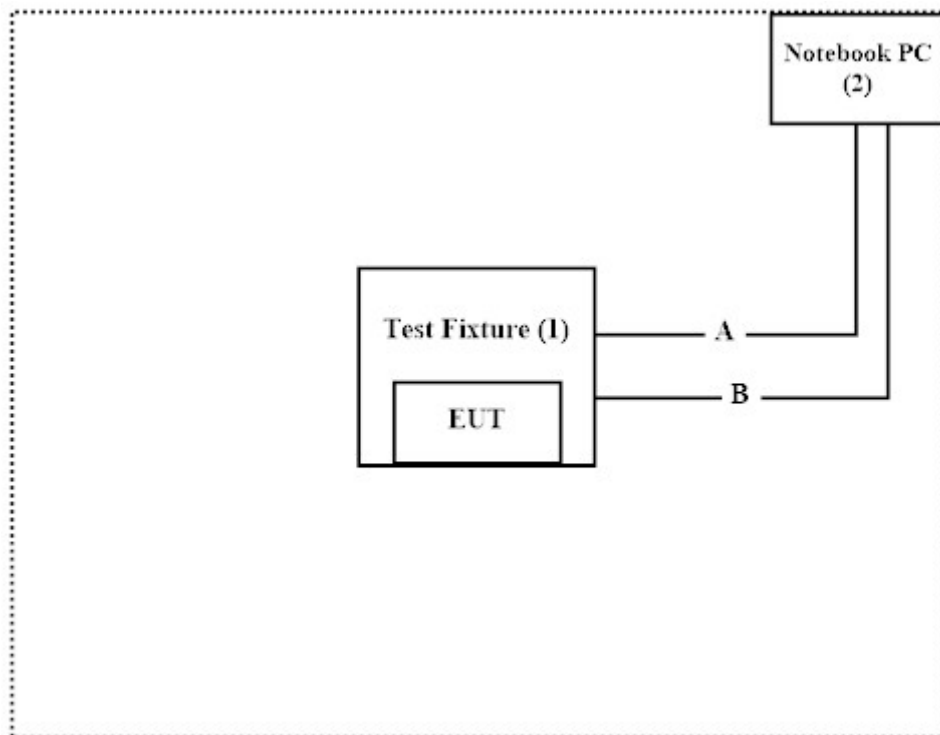
1.3. Tested System Details

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	Test Fixture	Intel	N/A	N/A
2	Notebook PC	DELL	P44G	9T8YN32

Signal Cable Type	Signal cable Description
A	USB Cable
B	Signal Cable

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:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: http://www.dekra.com.tw/index_en

Site Description: Accredited by TAF
Accredited Number: 3023

Site Name: DEKRA Testing and Certification Co., Ltd.
Site Address: No.159, Sec. 2, Wenhua 1st Rd., Linkou Dist.,
New Taipei City 24457, Taiwan.
TEL: 886-2-2602-7968 / FAX : 866-2-2602-3286
E-Mail : info.tw@dekra.com

FCC Accreditation Number: TW0023

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 V9.0.1

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	9168-675	2018.06.05	2019.06.04
X	Horn Antenna	ETS-Lindgren	3117	00203800	2018.12.11	2019.12.10
X	Horn Antenna	Com-Power	AH-840	101087	2018.06.01	2019.05.31
X	Pre-Amplifier	EMCI	EMC001330	980316	2018.06.01	2019.05.31
X	Pre-Amplifier	EMCI	EMC051835SE	980311	2018.06.04	2019.06.03
X	Pre-Amplifier	EMCI	EMC05820SE	980310	2018.06.04	2019.06.03
X	Pre-Amplifier	EMCI	EMC184045SE	980314	2018.05.16	2019.05.15
	Filter	MICRO TRONICS	BRM50702	G251	2018.09.04	2019.09.03
X	Filter	MICRO TRONICS	BRM50716	G188	2018.09.04	2019.09.03
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	2018.05.25	2019.05.24
X	Mircoflex Cable	HUBER SUHNER	SUCOFLEX 102	MY3381/2	2018.05.16	2019.05.15

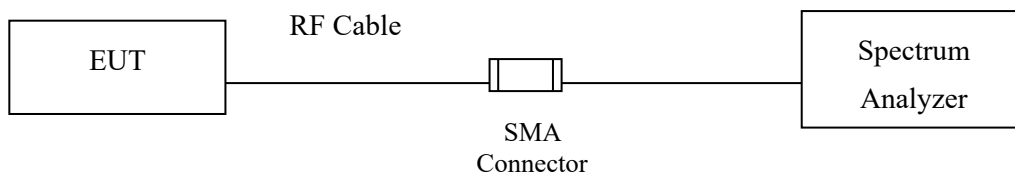
Note:

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

2. Maximun conducted output power

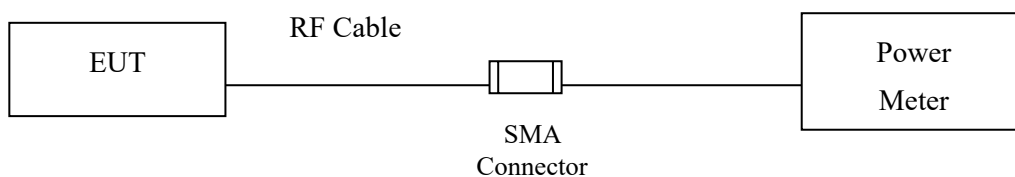
2.1. Test Setup

99% Occupied Bandwidth

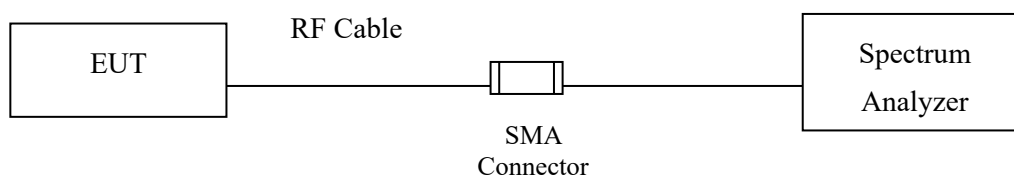


Conduction Power Measurement

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 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 $\leq$ 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.

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. Uncertainty

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

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

2.5. Test Result of Maximum conducted output power

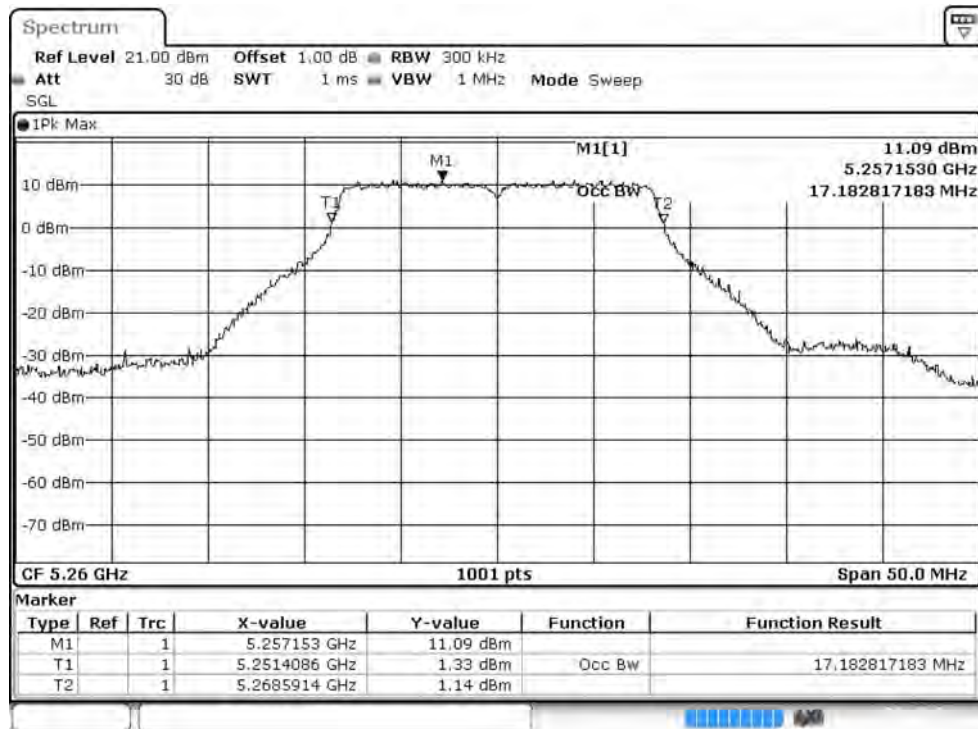
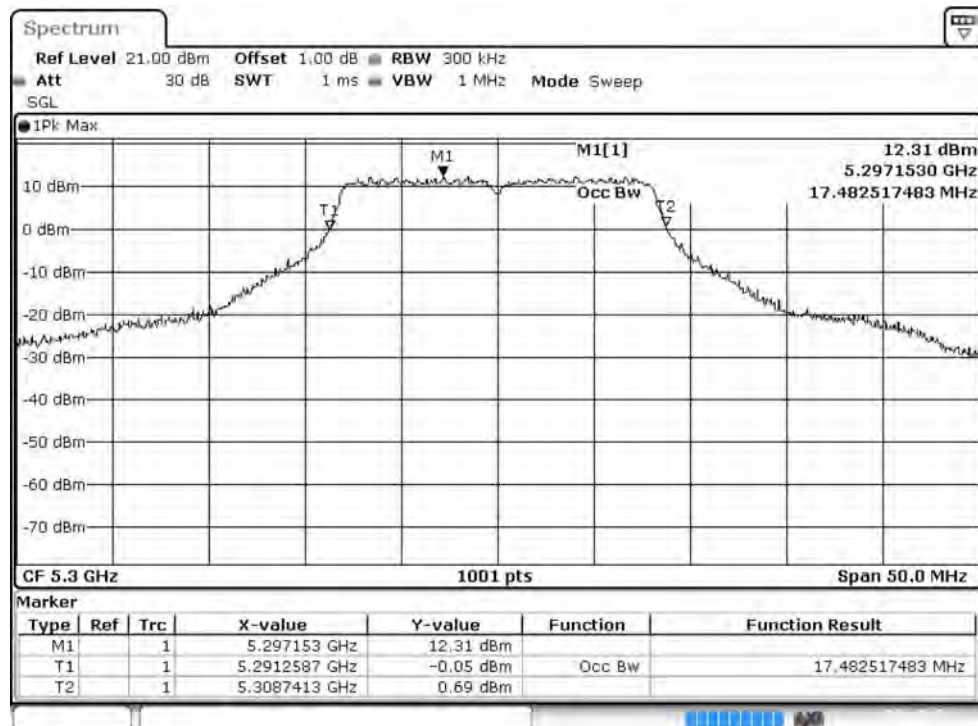
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 1 SISO A: Transmit (802.11a_6Mbps)

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	16.44	--	--	--	--	--	--	--
44	5220	16.46	16.42	16.39	16.35	16.32	16.28	16.24	16.21
48	5240	16.44	--	--	--	--	--	--	--
52	5260	19.25	--	--	--	--	--	--	--
60	5300	20.36	20.33	20.29	20.25	20.22	20.19	20.15	20.11
64	5320	17.34	--	--	--	--	--	--	--
100	5500	18.21	--	--	--	--	--	--	--
116	5580	20.41	20.38	20.35	20.32	20.29	20.25	20.23	20.21
140	5700	18.56	--	--	--	--	--	--	--
149	5745	20.24	--	--	--	--	--	--	--
157	5785	20.65	20.62	20.59	20.55	20.53	20.50	20.48	20.44
165	5825	20.27	--	--	--	--	--	--	--

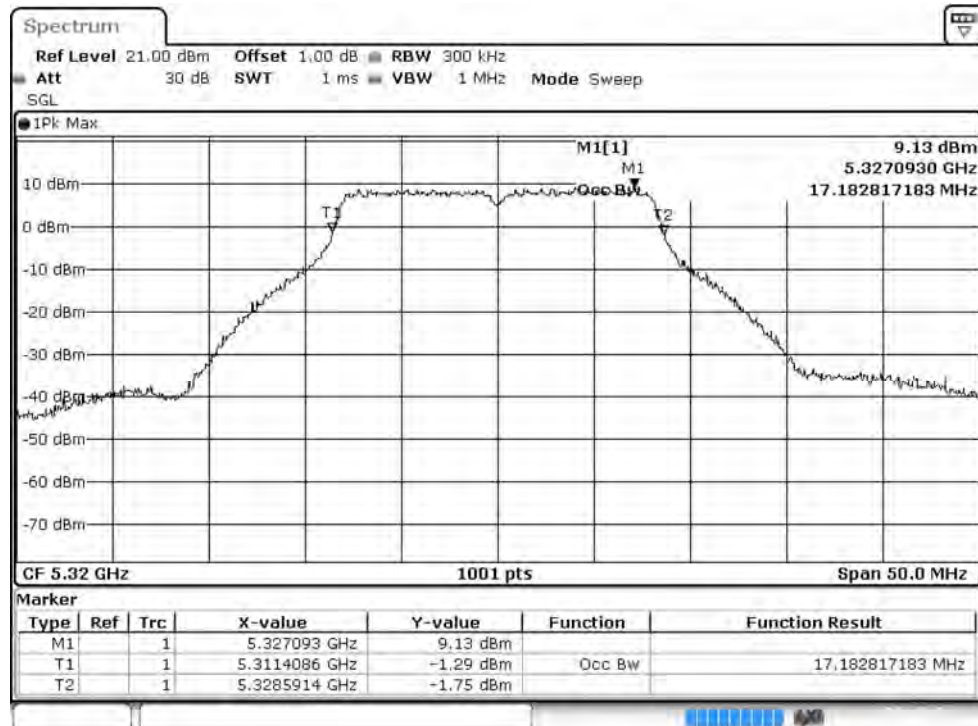
Note: Maximum conducted output power Value = Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

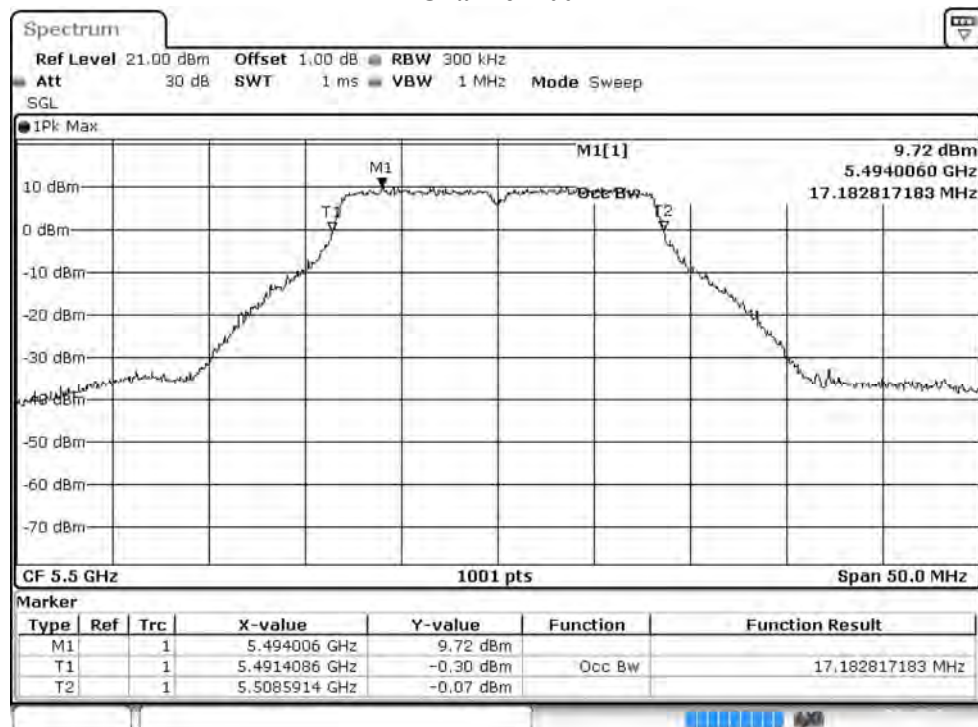
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	16.44	24	--	Pass
44	5220	--	16.46	24	--	Pass
48	5240	--	16.44	24	--	Pass
52	5260	17.182	19.25	24	23.35	Pass
60	5300	17.482	20.36	24	23.43	Pass
64	5320	17.182	17.34	24	23.35	Pass
100	5500	17.182	18.21	24	23.35	Pass
116	5580	17.632	20.41	24	23.46	Pass
140	5700	17.182	18.56	24	23.35	Pass
149	5745	--	20.24	30	--	Pass
157	5785	--	20.65	30	--	Pass
165	5825	--	20.27	30	--	Pass

99% Occupied Bandwidth:**Channel 52****Channel 60**

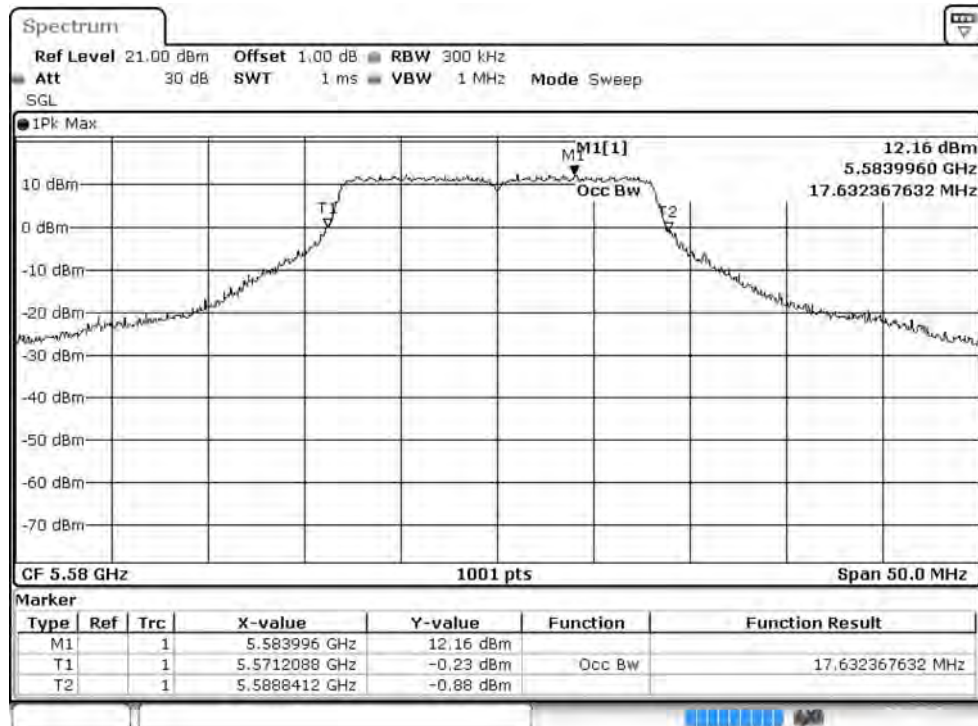
Channel 64



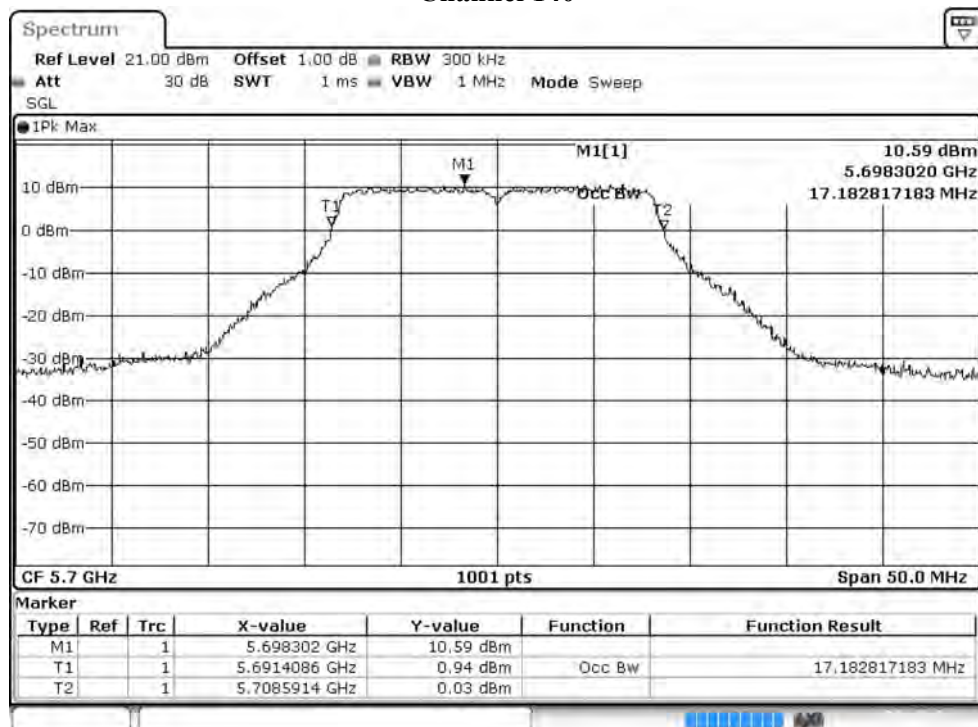
Channel 100



Channel 116



Channel 140



Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 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	16.61	--	--	--	--	--	--	--
44	5220	16.64	16.62	16.59	16.56	16.54	16.52	16.49	16.45
48	5240	16.71	--	--	--	--	--	--	--
52	5260	19.35	--	--	--	--	--	--	--
60	5300	20.61	20.58	20.55	20.51	20.49	20.45	20.43	20.41
64	5320	17.49	--	--	--	--	--	--	--
100	5500	18.11	--	--	--	--	--	--	--
116	5580	20.71	20.69	20.66	20.63	20.61	20.58	20.56	20.54
140	5700	18.31	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.03	17.99	17.95	17.91	17.88	17.85	17.79	17.76
144(U-NII-3)	5720	12.47	12.43	12.39	12.35	12.31	12.28	12.24	12.18
149	5745	20.17	--	--	--	--	--	--	--
157	5785	20.65	20.62	20.59	20.56	20.53	20.51	20.48	20.44
165	5825	20.34	--	--	--	--	--	--	--

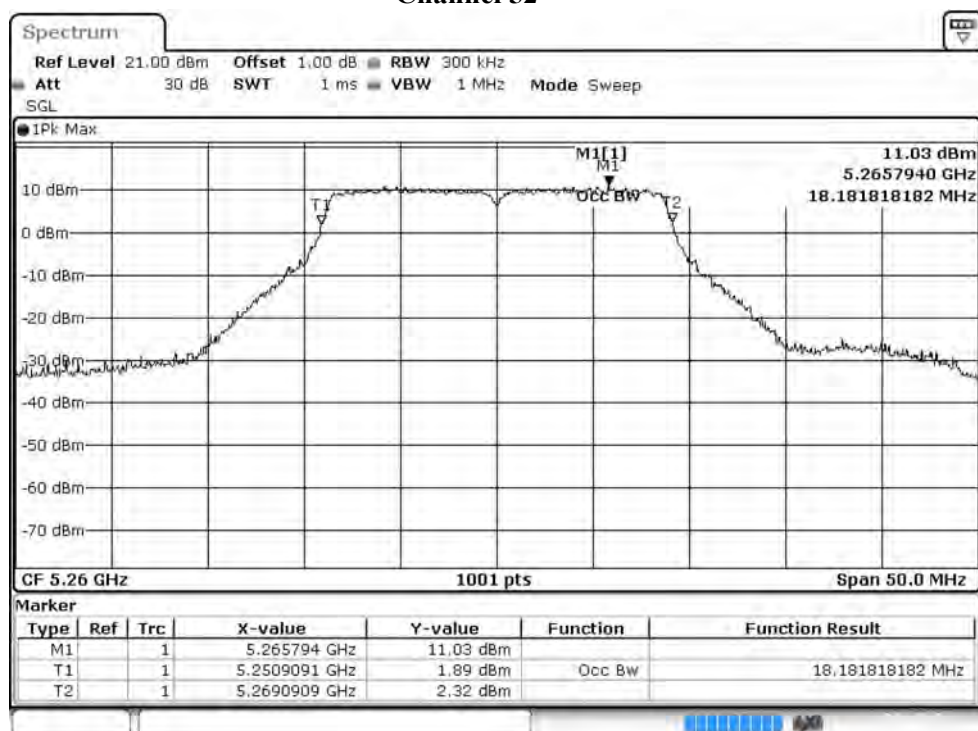
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

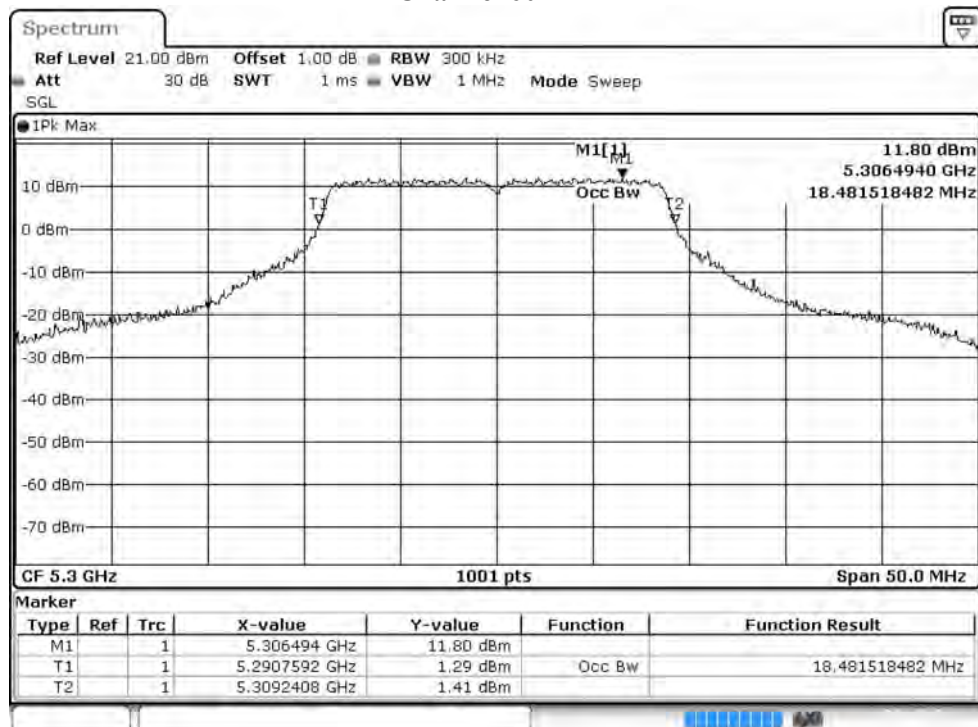
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	16.61	24	--	Pass
44	5220	--	16.64	24	--	Pass
48	5240	--	16.71	24	--	Pass
52	5260	18.181	19.35	24	23.60	Pass
60	5300	18.481	20.61	24	23.67	Pass
64	5320	18.181	17.49	24	23.60	Pass
100	5500	18.181	18.11	24	23.60	Pass
116	5580	18.581	20.71	24	23.69	Pass
140	5700	18.231	18.31	24	23.61	Pass
144(U-NII-2C)	5720	14.216	18.03	24	22.53	Pass
144(U-NII-3)	5720	--	12.47	30	--	Pass
149	5745	--	20.17	30	--	Pass
157	5785	--	20.65	30	--	Pass
165	5825	--	20.34	30	--	Pass

99% Occupied Bandwidth:

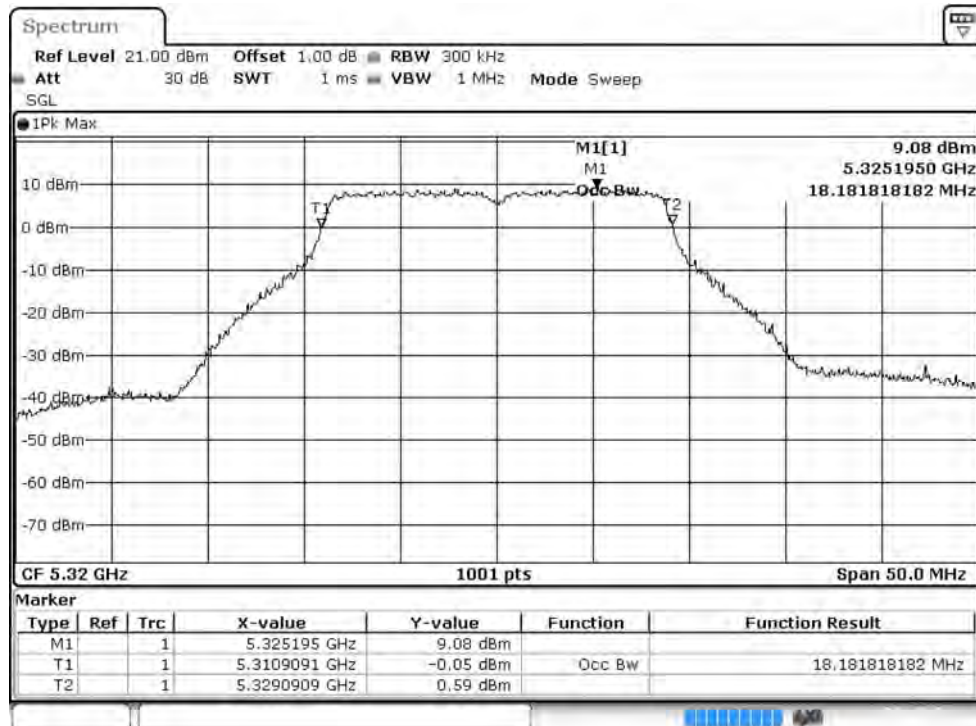
Channel 52



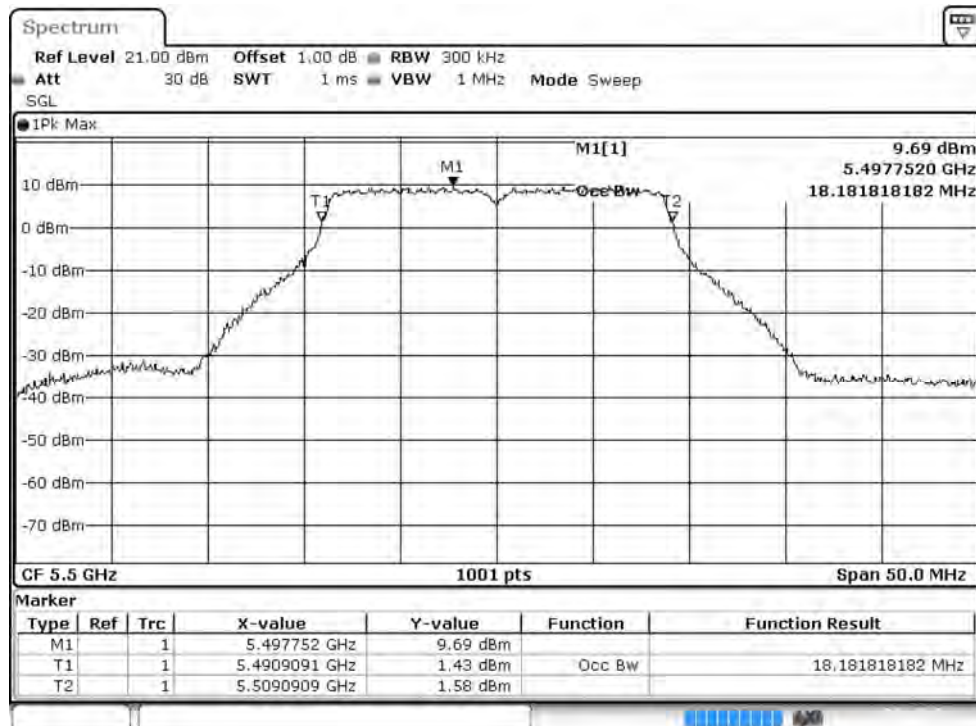
Channel 60



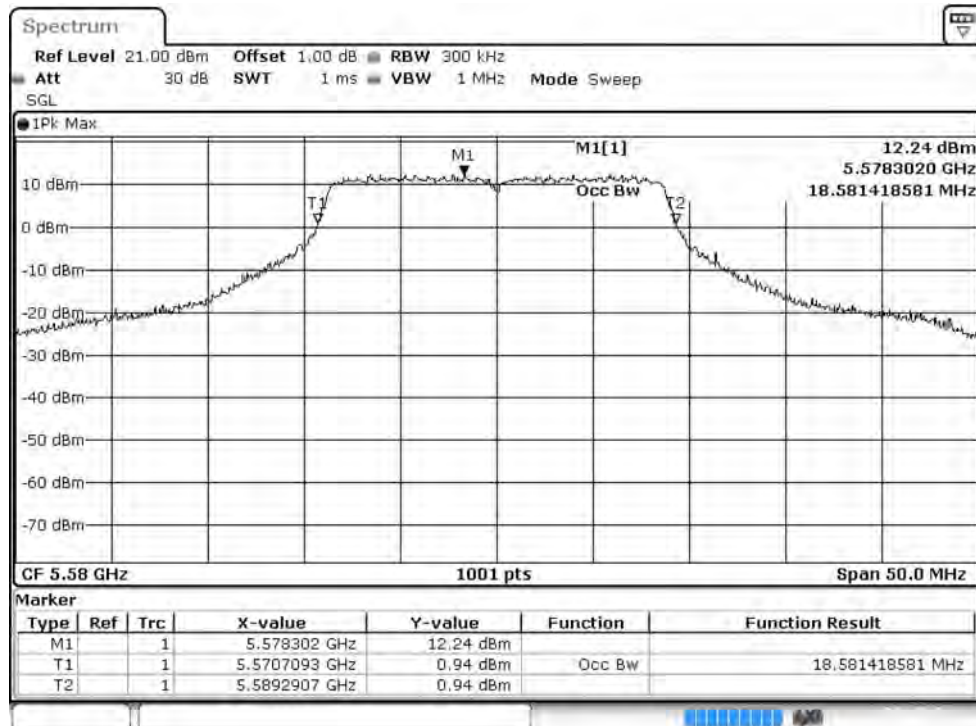
Channel 64



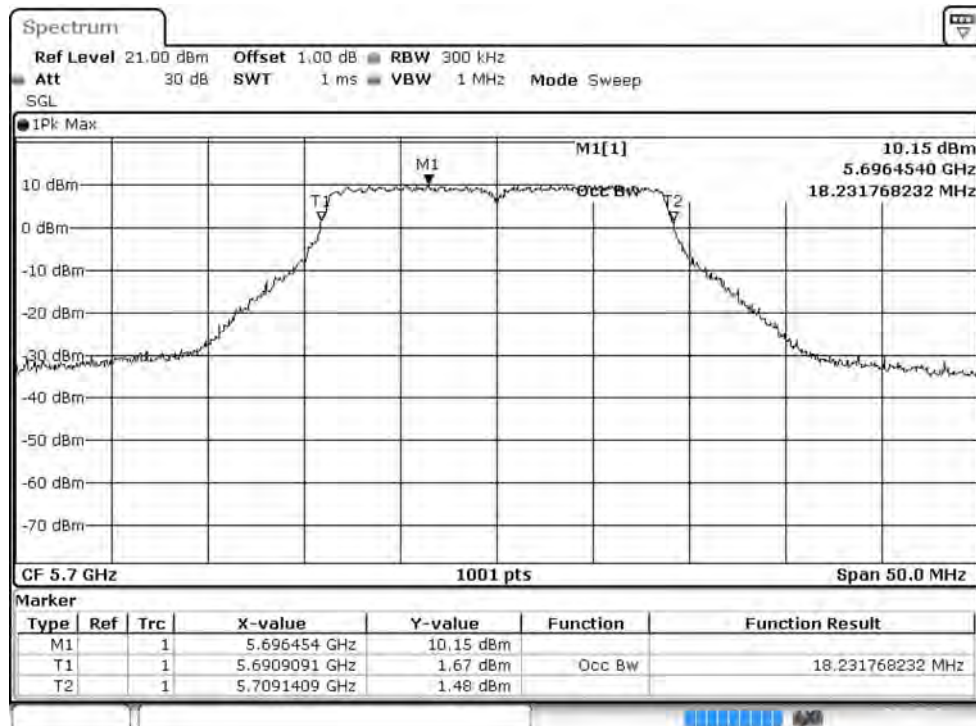
Channel 100



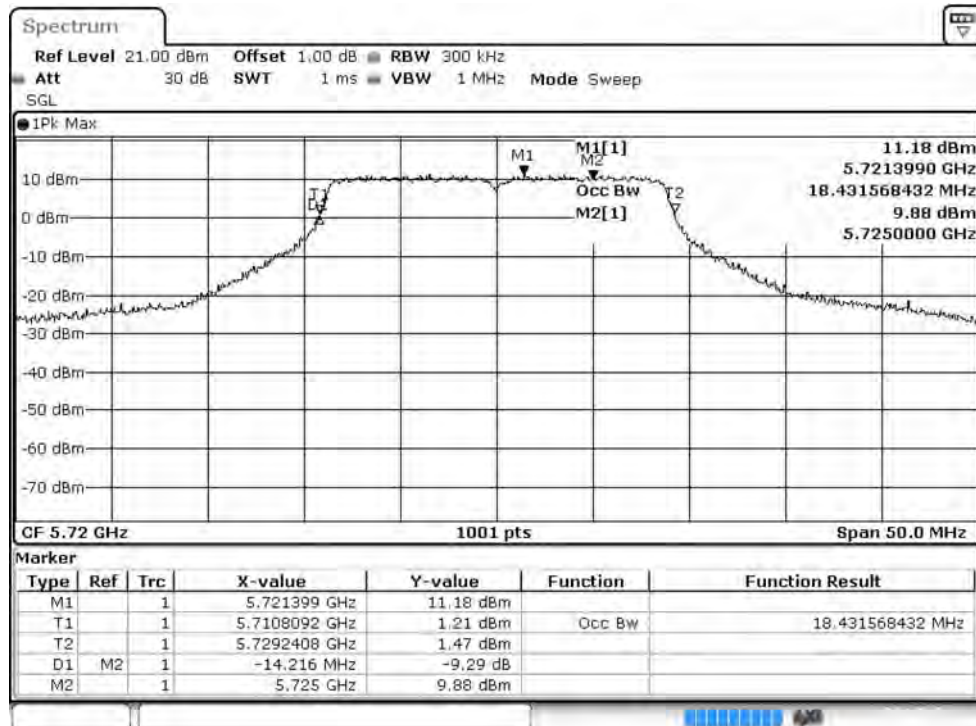
Channel 116



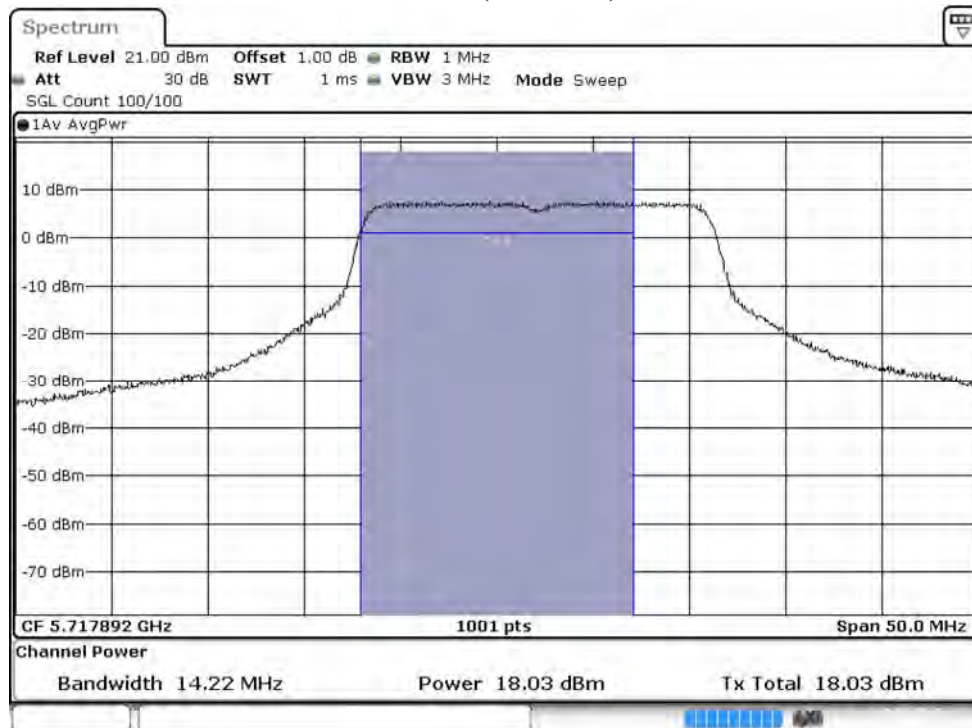
Channel 140



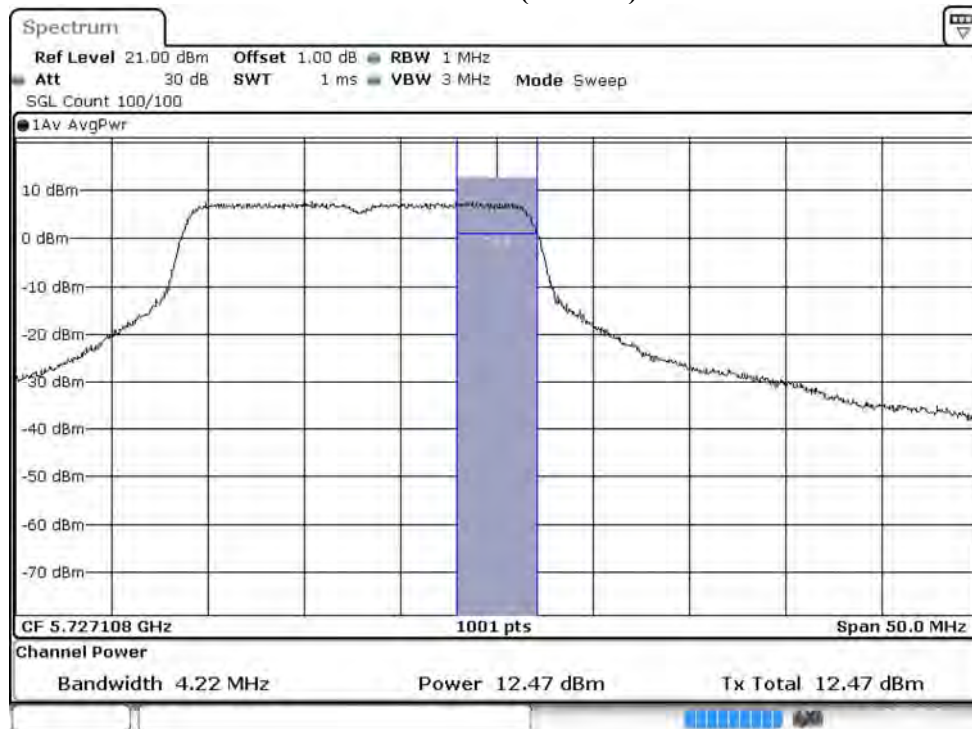
Channel 144



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



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



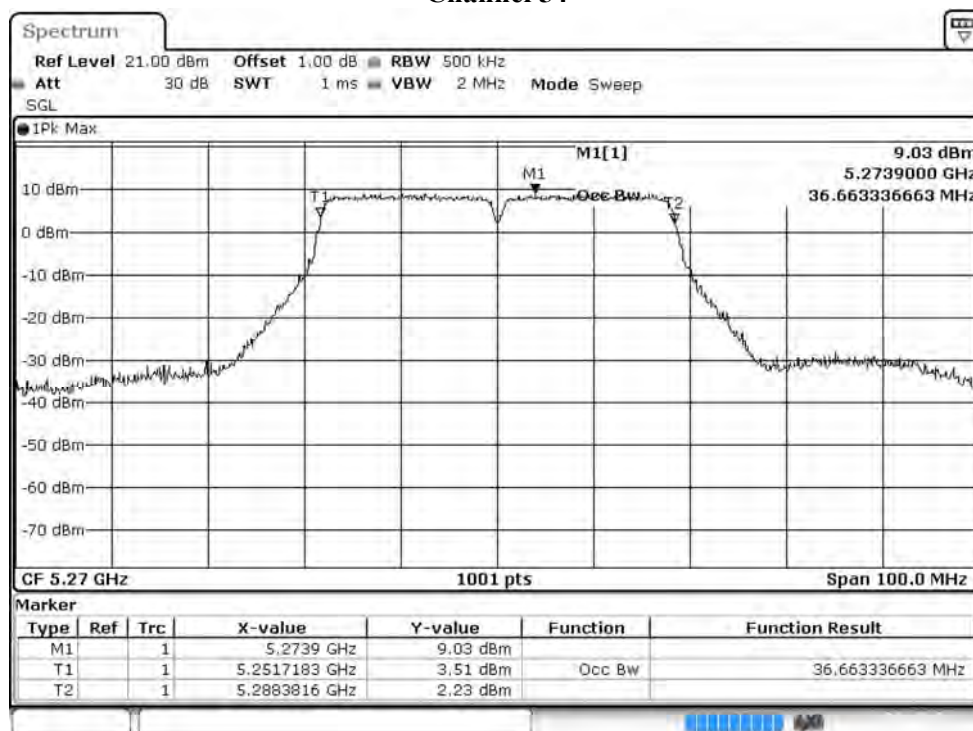
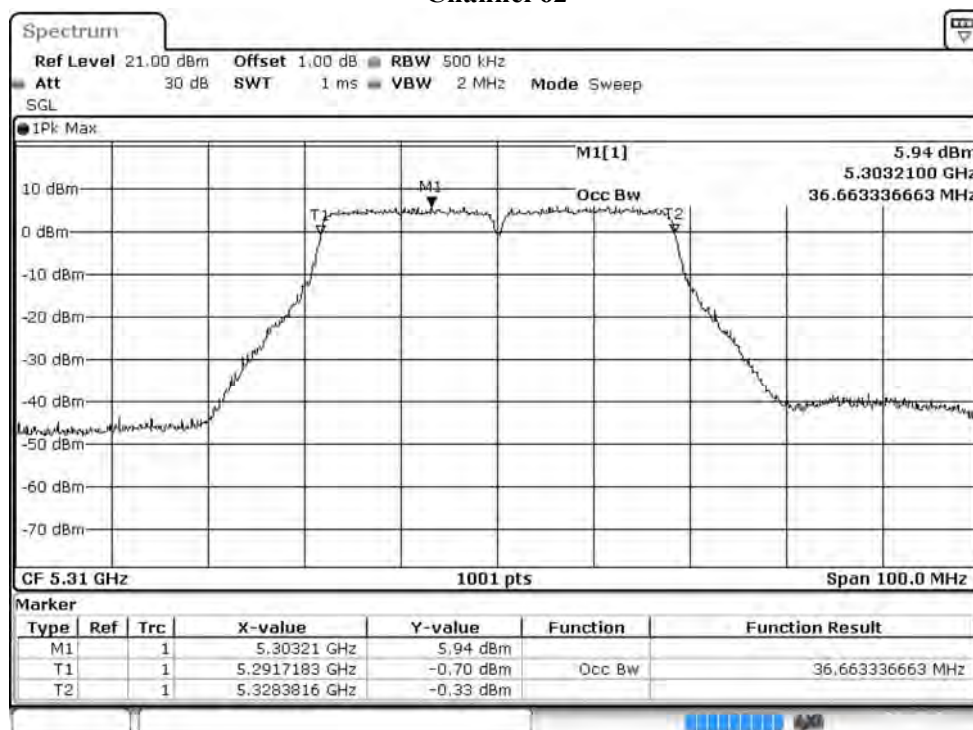
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 3 SISO A: Transmit (802.11n-40BW_15Mbps)

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	14.63	--	--	--	--	--	--	--
46	5230	17.65	17.62	17.59	17.55	17.51	17.50	17.48	17.44
54	5270	18.67	--	--	--	--	--	--	--
62	5310	15.44	15.42	15.39	15.36	15.34	15.31	15.29	15.27
102	5510	17.79	--	--	--	--	--	--	--
110	5550	19.76	19.73	19.69	19.65	19.62	19.59	19.55	19.52
134	5670	18.72	--	--	--	--	--	--	--
142(U-NII-2C)	5710	19.75	19.72	19.69	19.65	19.63	19.60	19.58	19.54
142(U-NII-3)	5710	9.88	9.85	9.82	9.79	9.77	9.73	9.69	9.66
151	5755	20.82	--	--	--	--	--	--	--
159	5795	20.37	20.33	20.29	20.25	20.21	20.16	20.14	20.09

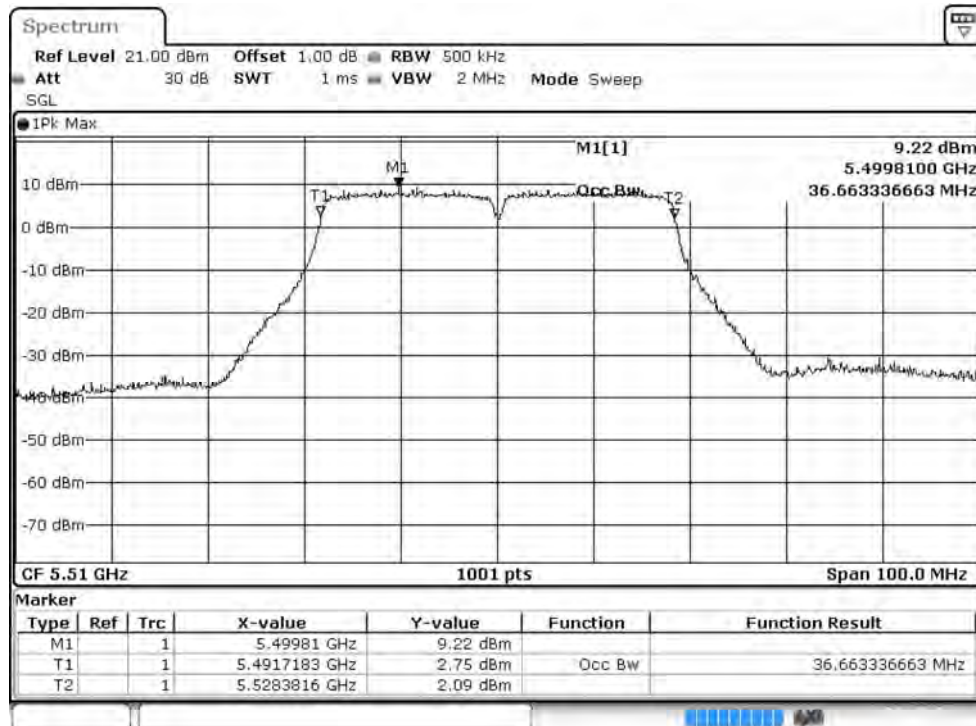
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

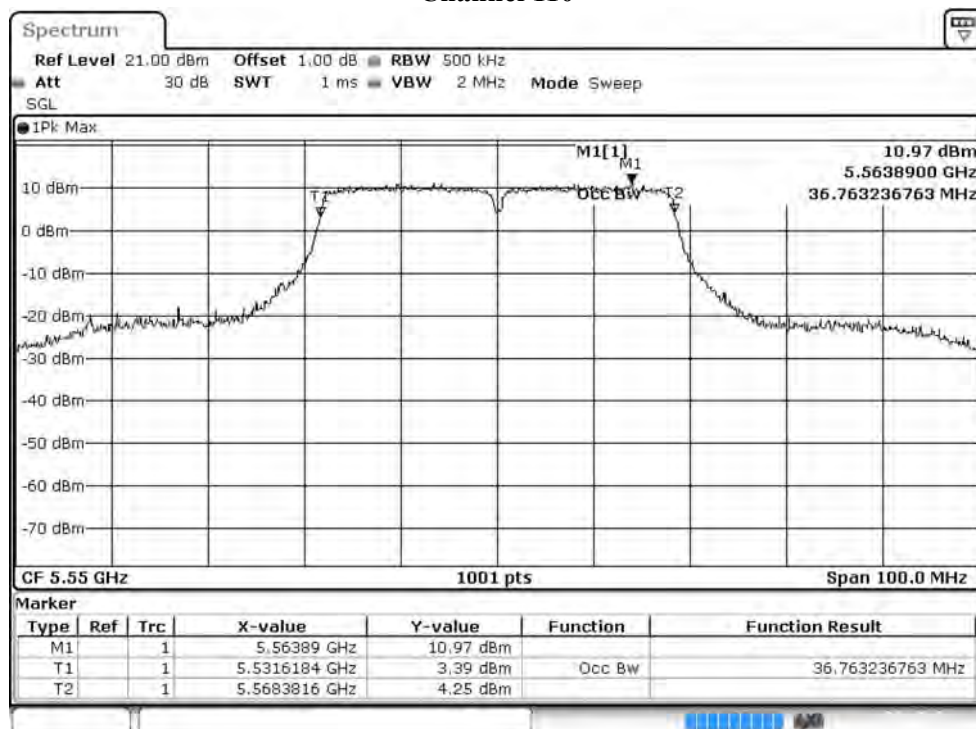
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	--	14.63	24	--	Pass
46	5230	--	17.65	24	--	Pass
54	5270	36.663	18.67	24	26.64	Pass
62	5310	36.663	15.44	24	26.64	Pass
102	5510	36.663	17.79	24	26.64	Pass
110	5550	36.763	19.76	24	26.65	Pass
134	5670	36.763	18.72	24	26.65	Pass
142(U-NII-2C)	5710	33.731	19.75	24	26.28	Pass
142(U-NII-3)	5710	--	9.88	30	--	Pass
151	5755	--	20.82	30	--	Pass
159	5795	--	20.37	30	--	Pass

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

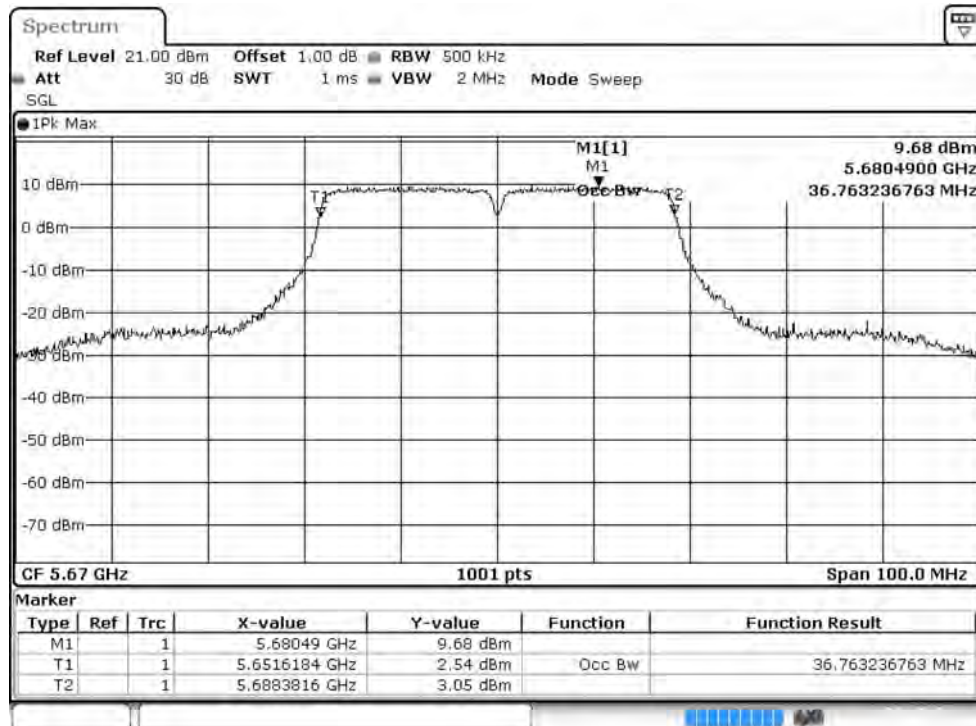
Channel 102



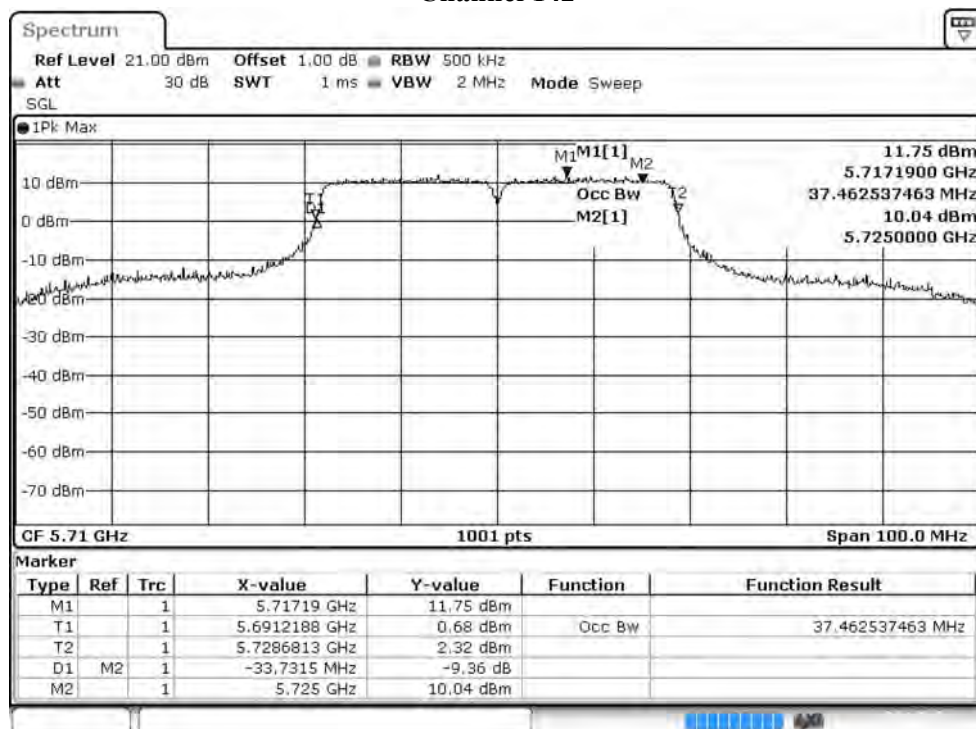
Channel 110



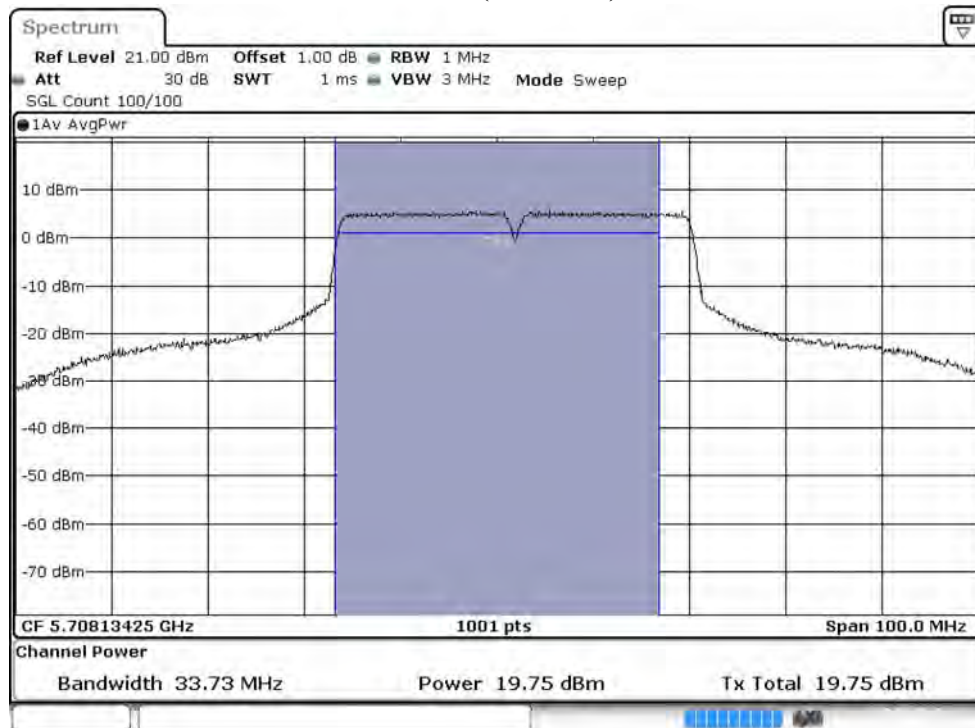
Channel 134



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 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 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	17.54	17.52	17.49	17.46	17.44	17.42	17.39	17.36	17.34	17.32
58	5290	16.52	16.49	16.46	16.43	16.40	16.38	16.35	16.31	16.28	16.24
106	5530	17.65	--	--	--	--	--	--	--	--	--
122	5610	18.93	18.91	18.89	18.87	18.84	18.83	18.81	18.79	18.76	18.73
138 (U-NII-2C)	5690	20.43	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	3.11	--	--	--	--	--	--	--	--	--
155	5775	18.46	18.42	18.39	18.35	18.32	18.28	18.24	18.22	18.17	18.14

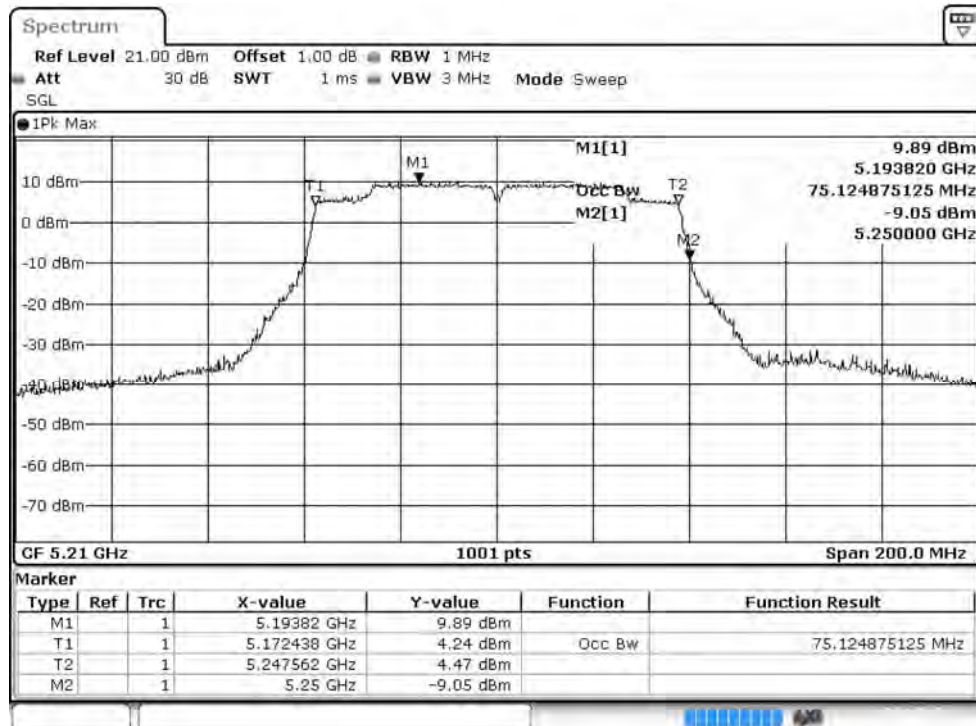
Note: Maximum conducted output power Value = Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

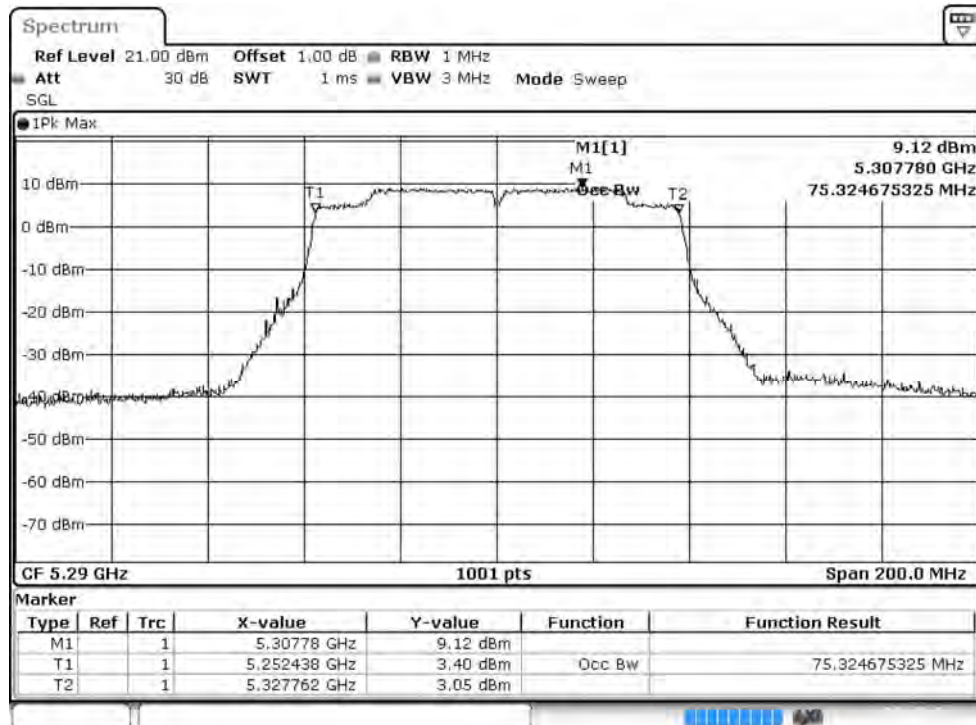
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42	5210	--	17.54	24	--	Pass
58	5290	75.324	16.52	24	29.77	Pass
106	5530	75.124	17.65	24	29.76	Pass
122	5610	75.324	18.93	24	29.77	Pass
138 (U-NII-2C)	5690	73.162	20.43	24	29.64	Pass
138 (U-NII-3)	5690	--	3.11	30	--	Pass
155	5775	--	18.46	30	--	Pass

99% Occupied Bandwidth:

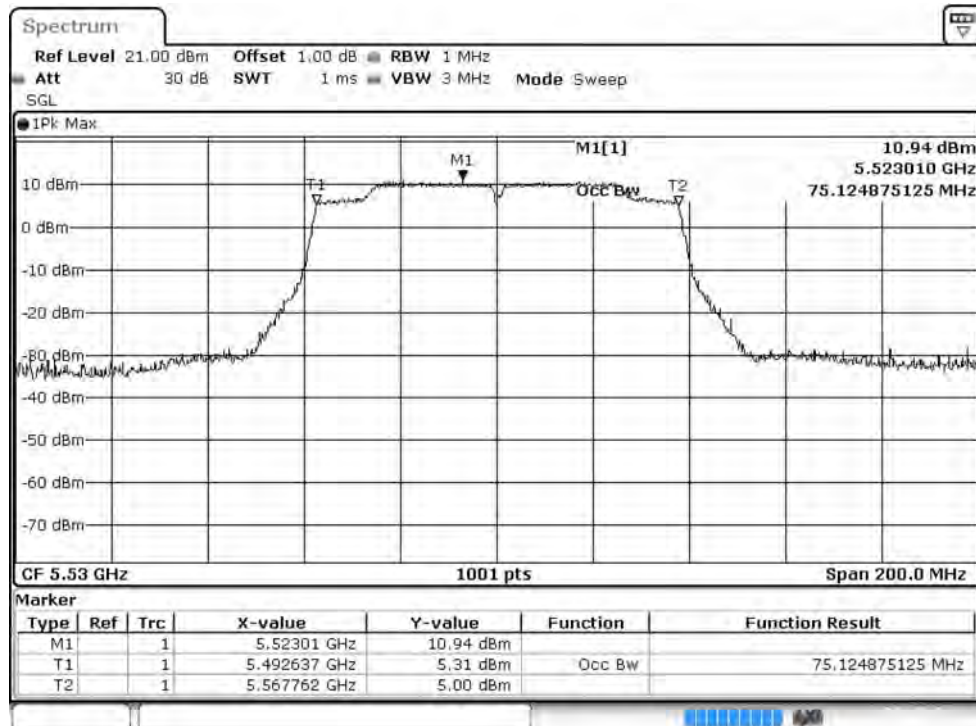
Channel 42



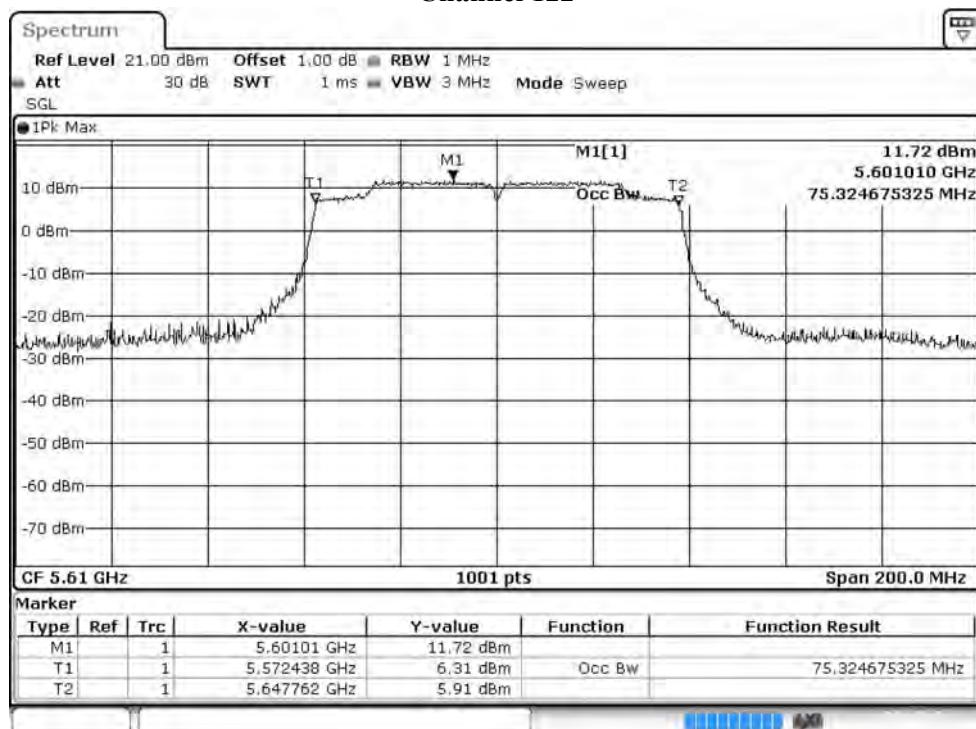
Channel 58



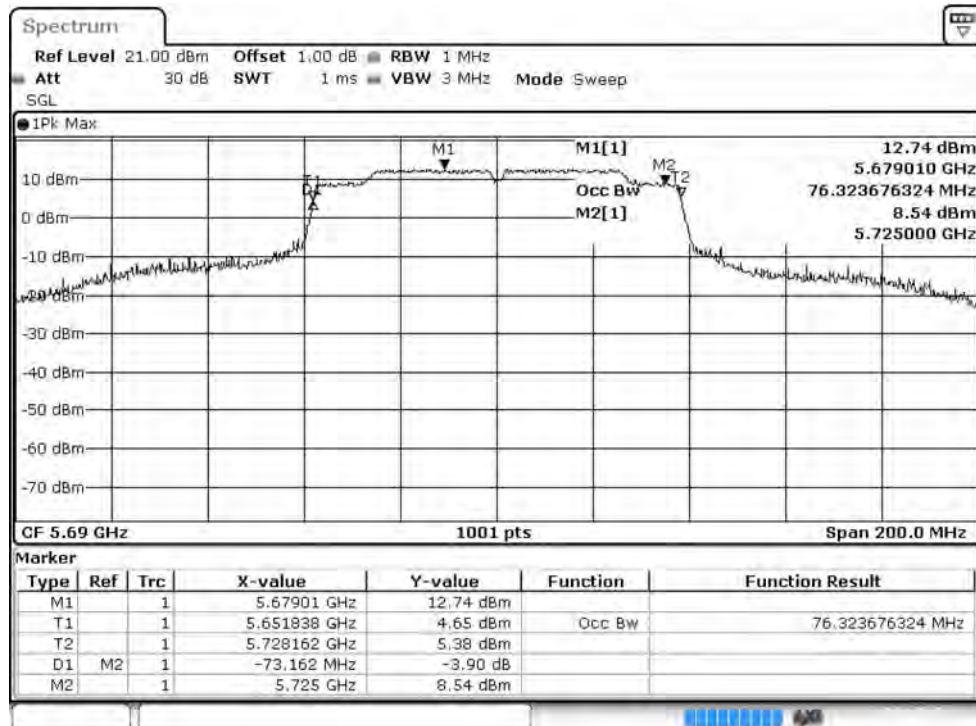
Channel 106



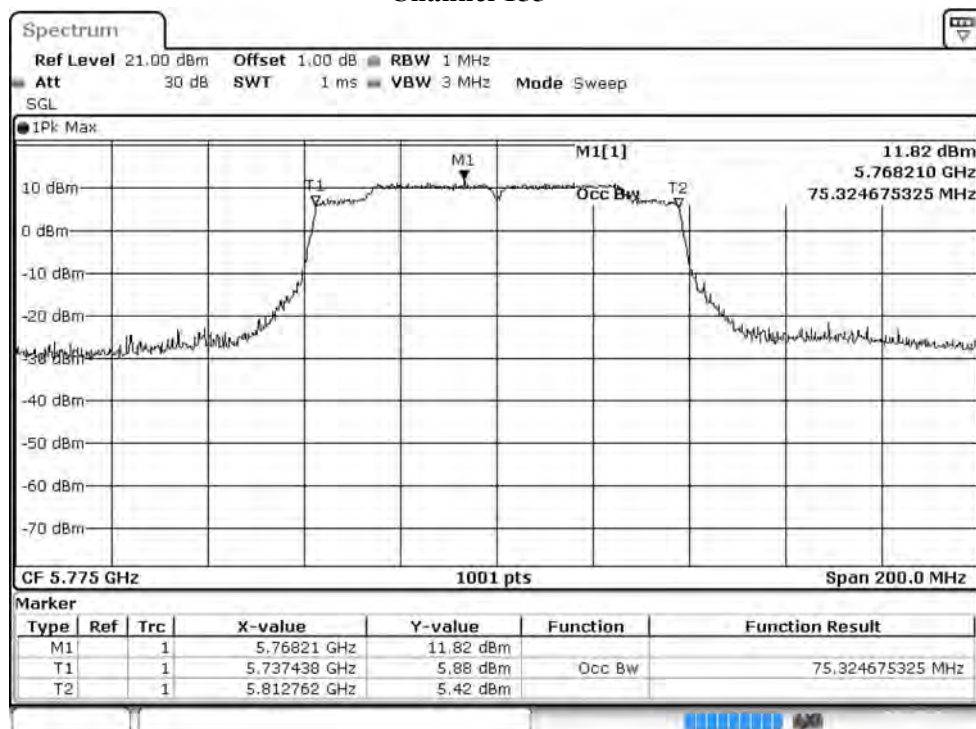
Channel 122

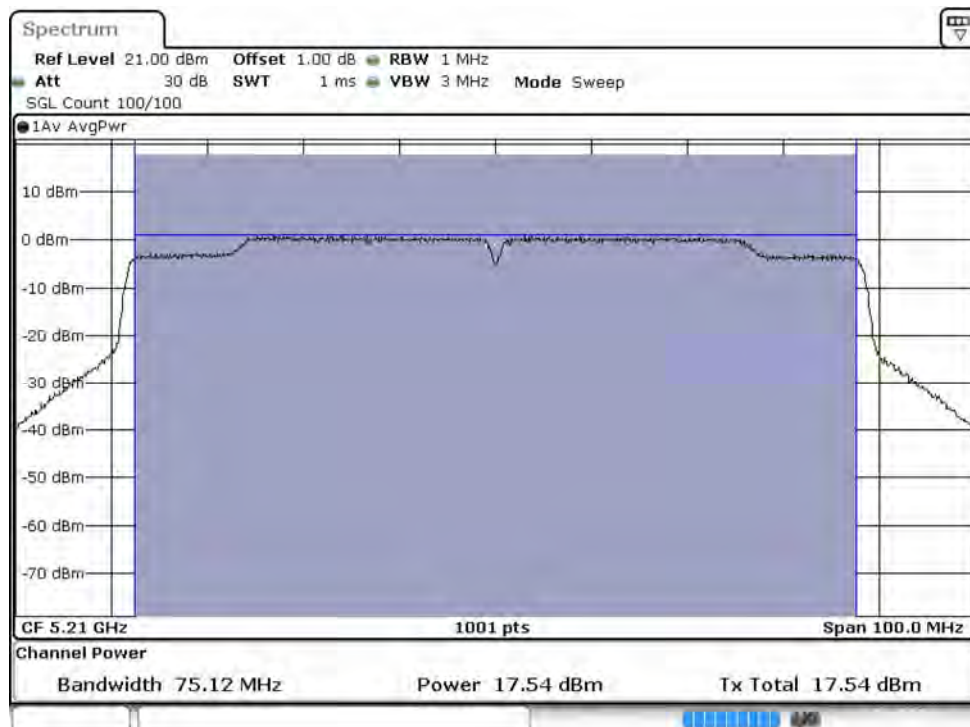
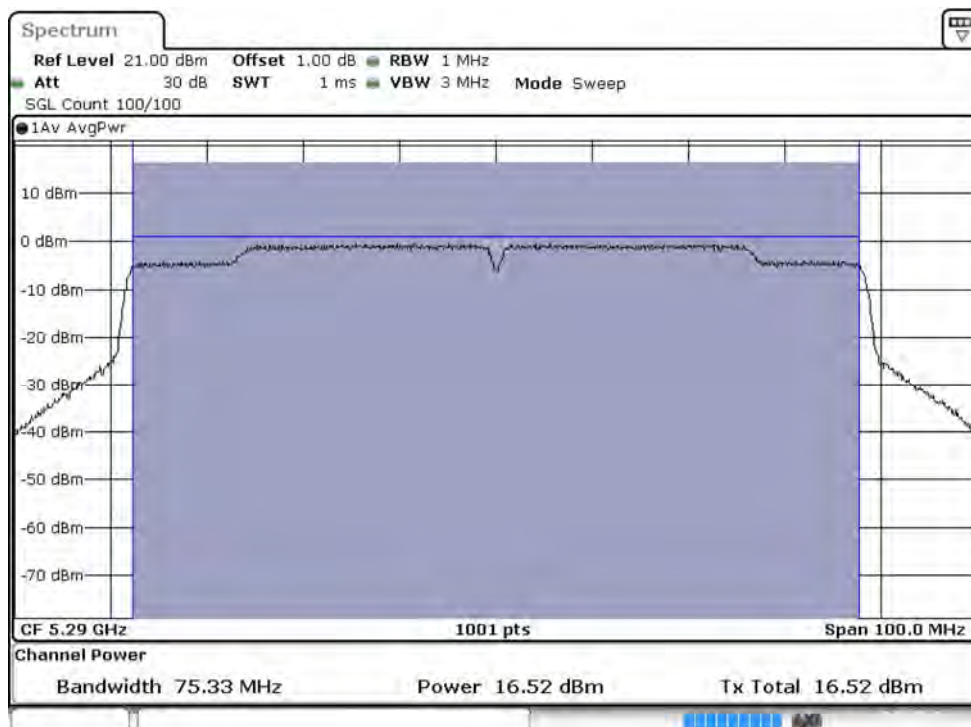


Channel 138



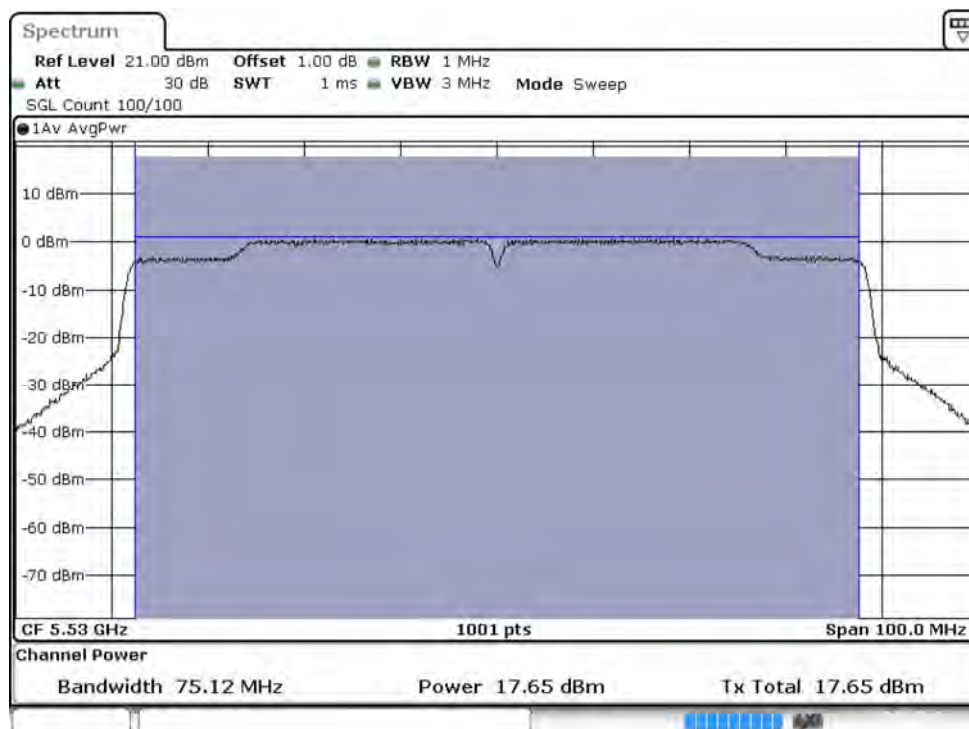
Channel 155



Maximum conducted output power:**Channel 42****Maximum conducted output power:****Channel 58**

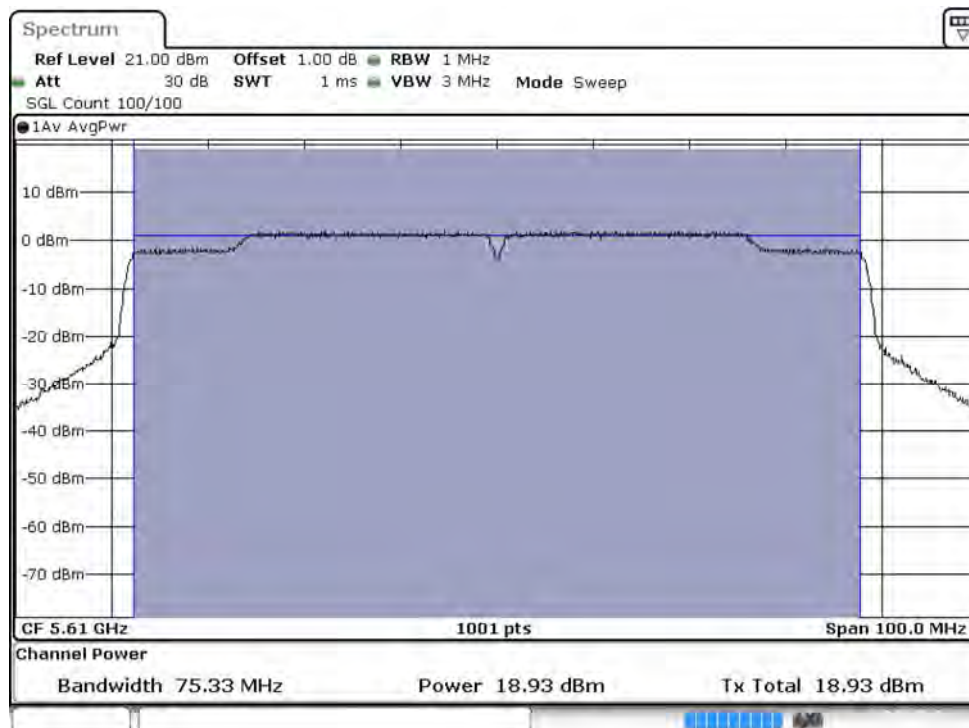
Maximum conducted output power:

Channel 106

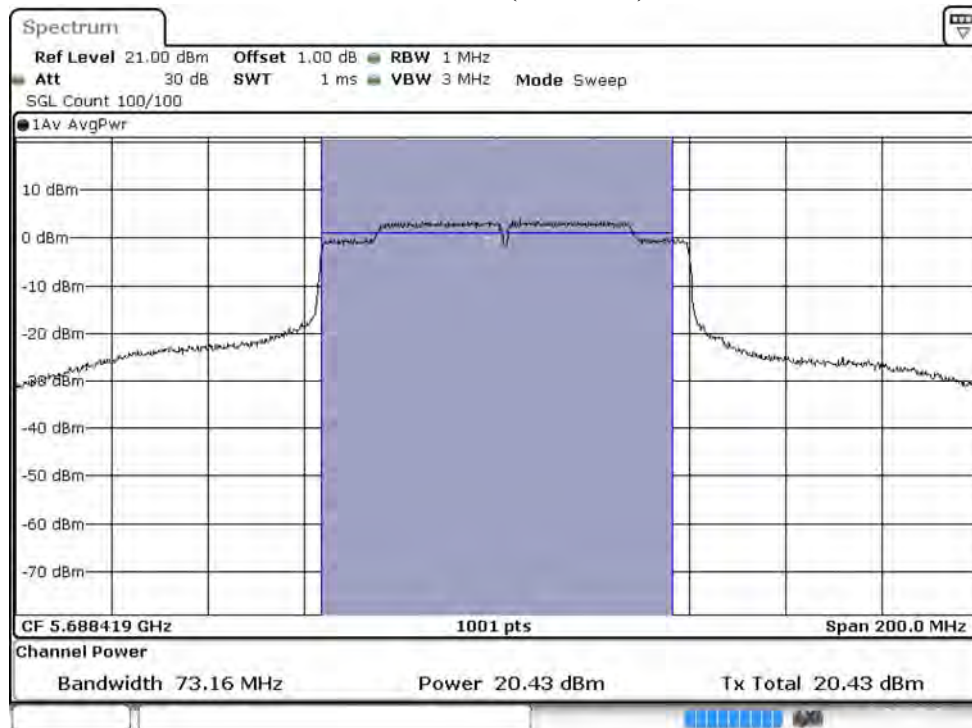


Maximum conducted output power:

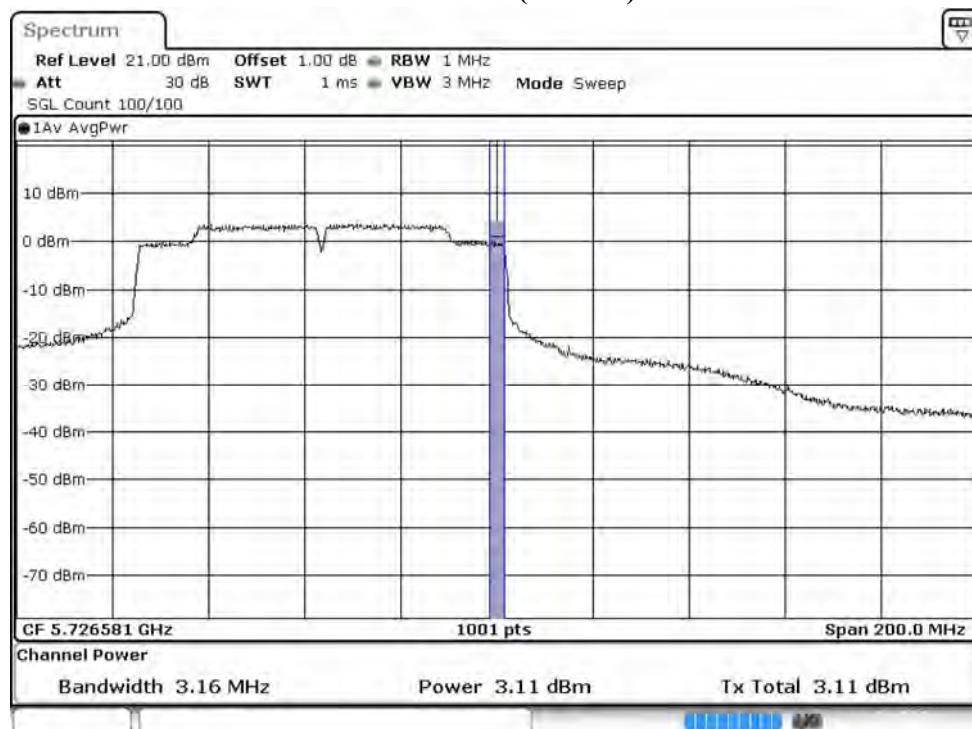
Channel 122



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

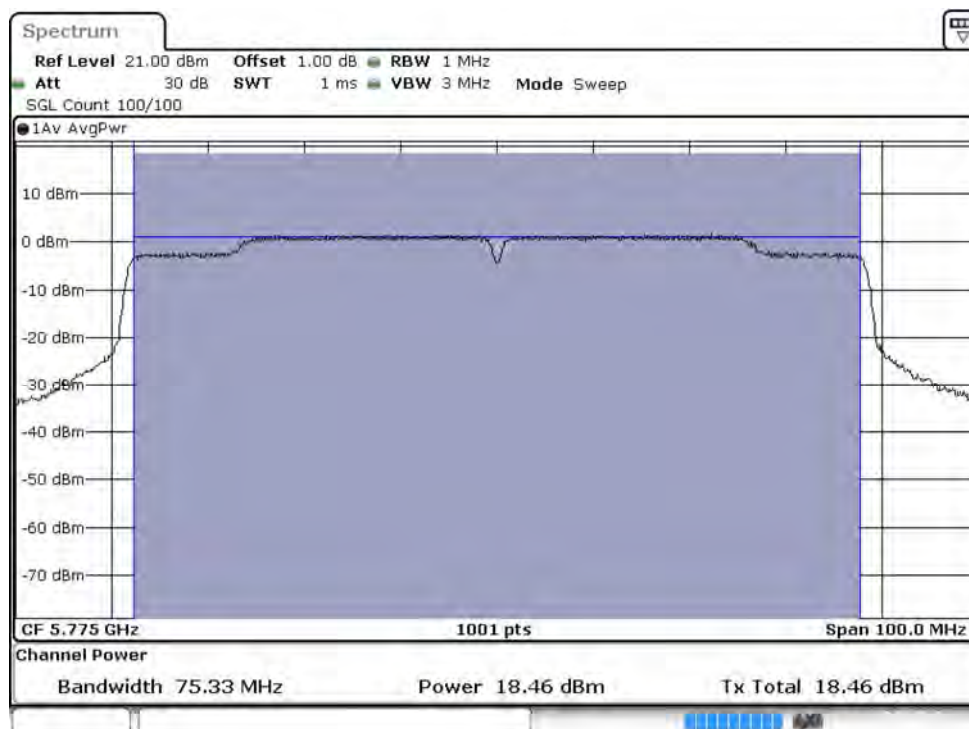


Maximum conducted output power:
Channel 138 (U-NII-3)



Maximum conducted output power:

Channel 155



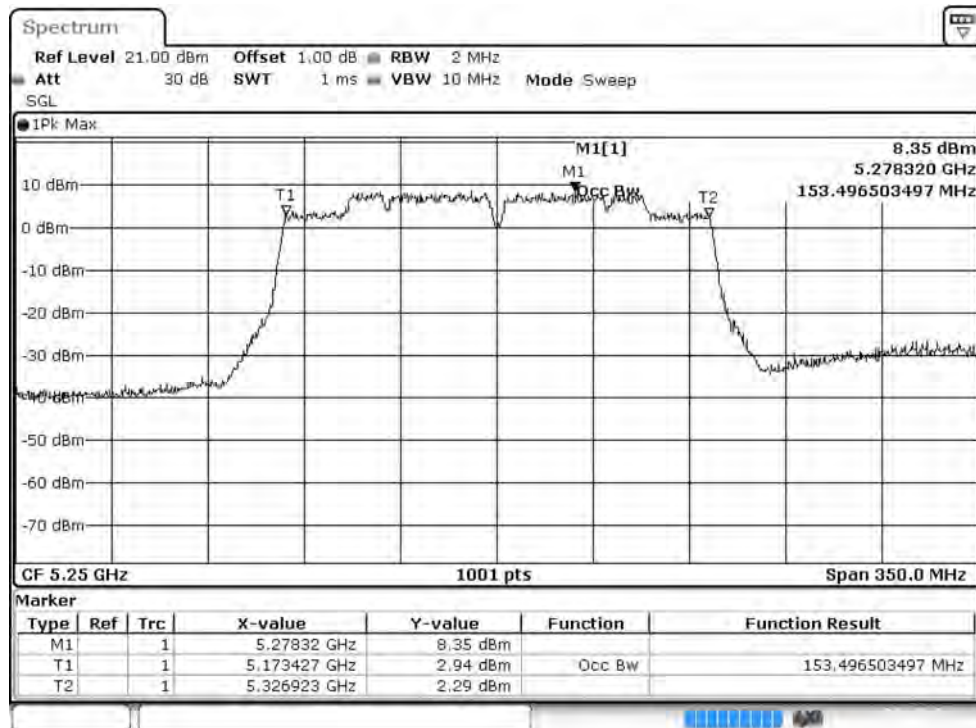
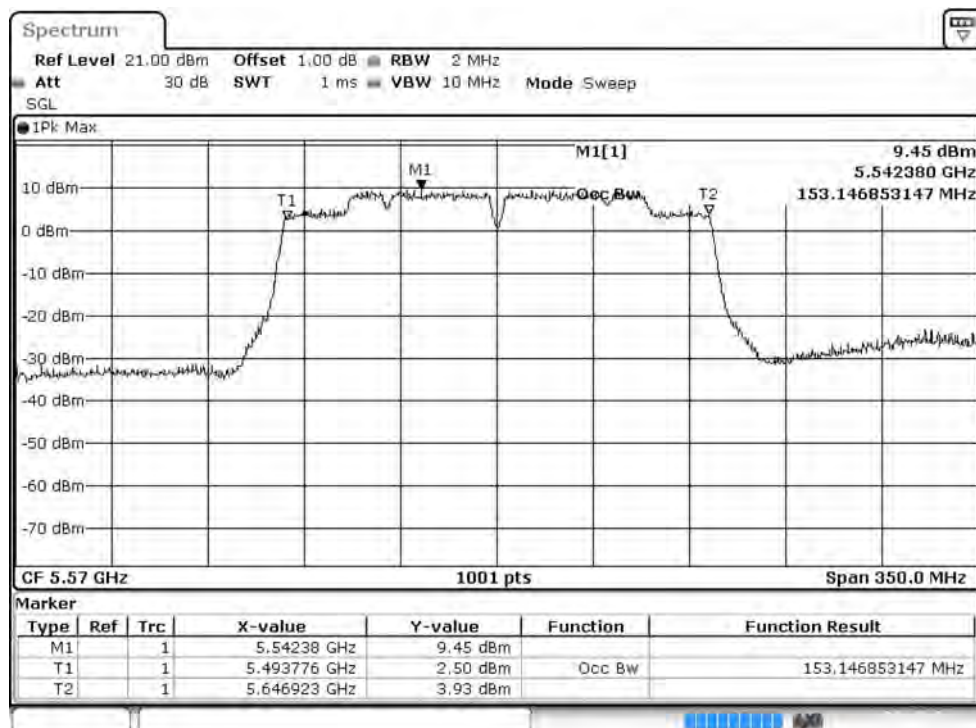
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 5 SISO A: Transmit (802.11ac-160BW_65Mbps)

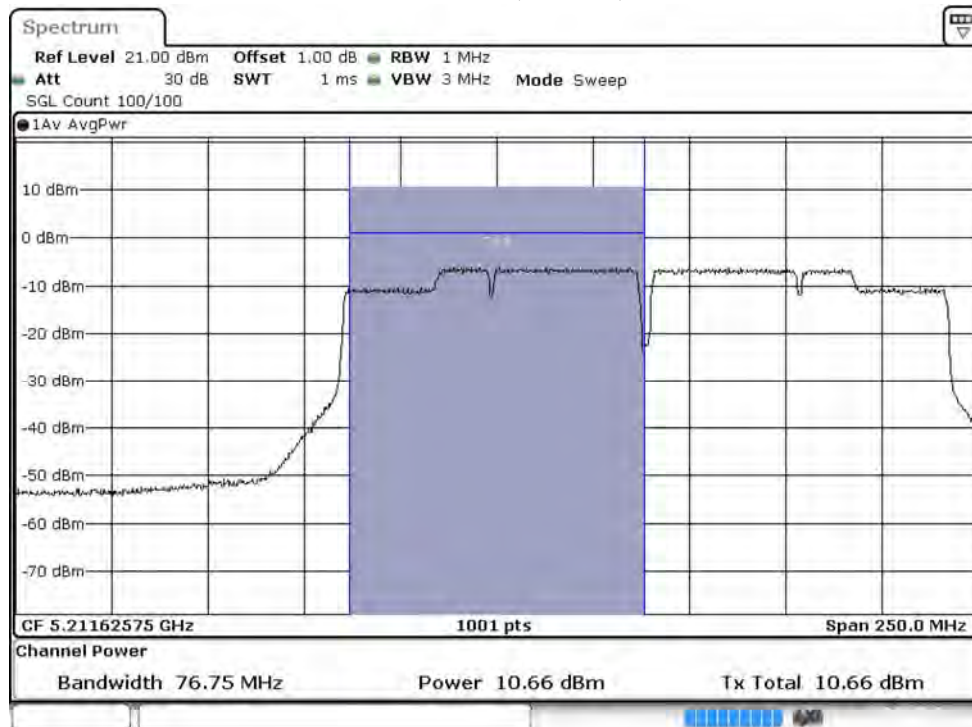
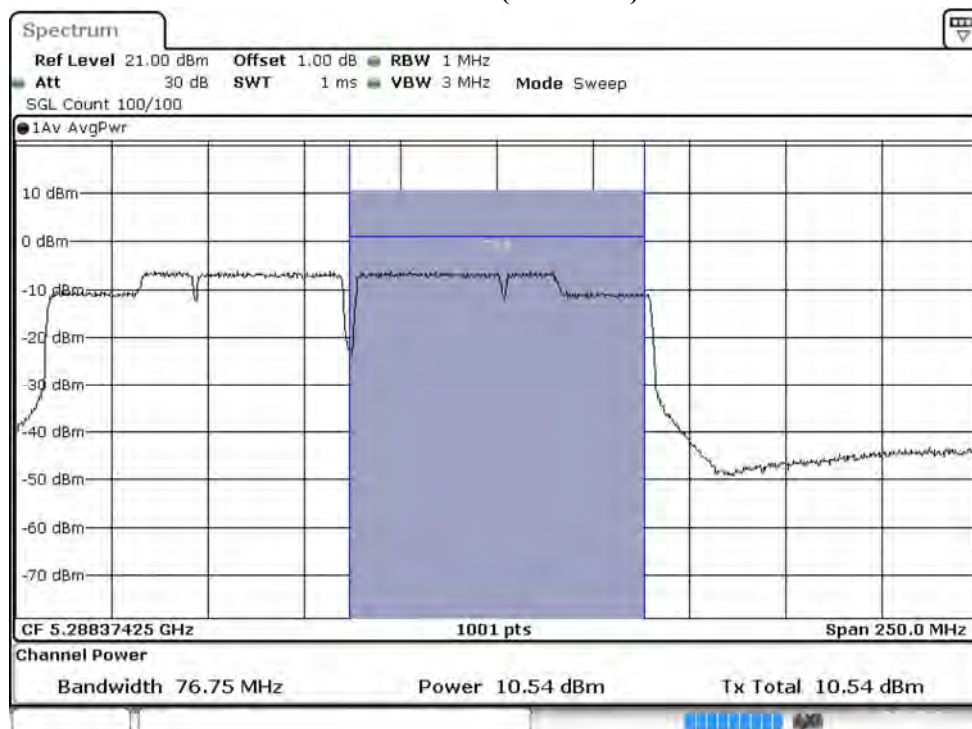
Cable loss=1.0dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		65	130	195	260	390	520	585	650	780	866.7
50 (U-NII-1)	5250	10.66	10.62	10.59	10.55	10.52	10.48	10.44	10.41	10.38	10.34
50 (U-NII-2A)	5250	10.54	10.51	10.49	10.46	10.44	10.41	10.39	10.36	10.34	10.31
114	5570	14.69	14.65	14.61	14.57	14.51	14.49	14.46	14.41	14.38	14.34

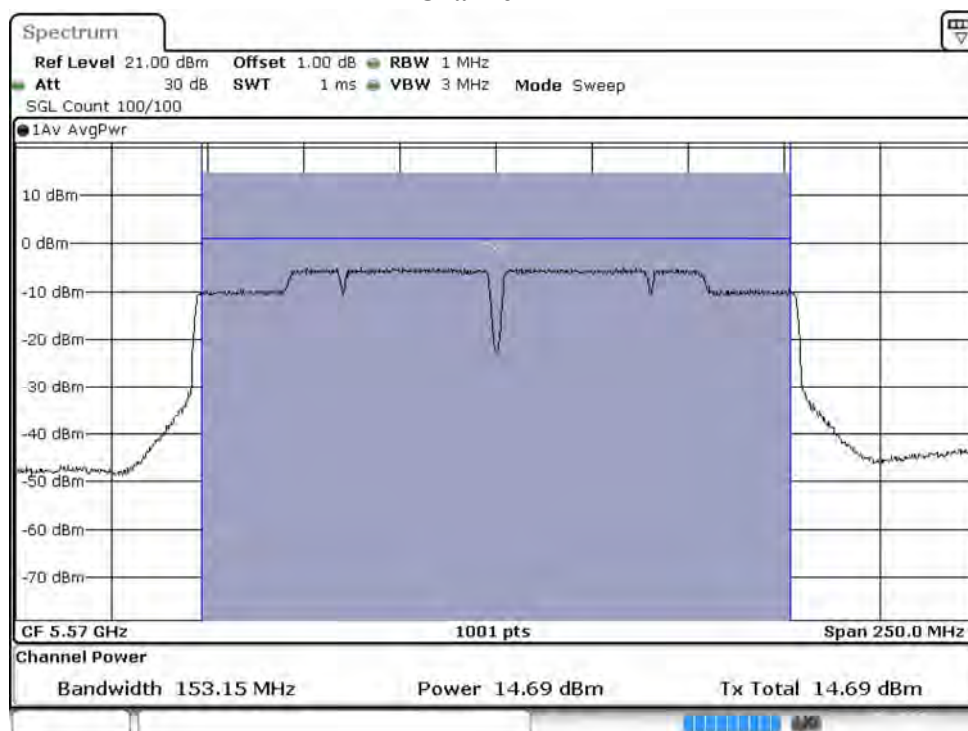
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

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	--	10.66	24	--	Pass
50 (U-NII-2A)	5250	76.748	10.54	24	29.85	Pass
114	5570	153.146	14.69	24	32.85	Pass

99% Occupied Bandwidth:**Channel 50****Channel 114**

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

Maximum conducted output power:**Channel 114**

Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 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	16.24	--	--	--	--	--	--	--
44	5220	16.47	16.43	16.39	16.36	16.31	16.26	16.23	16.18
48	5240	16.35	--	--	--	--	--	--	--
52	5260	19.43	--	--	--	--	--	--	--
60	5300	20.73	20.71	20.68	20.65	20.63	20.61	20.58	20.55
64	5320	17.46	--	--	--	--	--	--	--
100	5500	18.05	--	--	--	--	--	--	--
116	5580	20.41	20.38	20.35	20.32	20.29	20.25	20.23	20.18
140	5700	18.66	--	--	--	--	--	--	--
149	5745	20.14	--	--	--	--	--	--	--
157	5785	20.64	20.61	20.58	20.54	20.52	20.49	20.45	20.43
165	5825	20.18	--	--	--	--	--	--	--

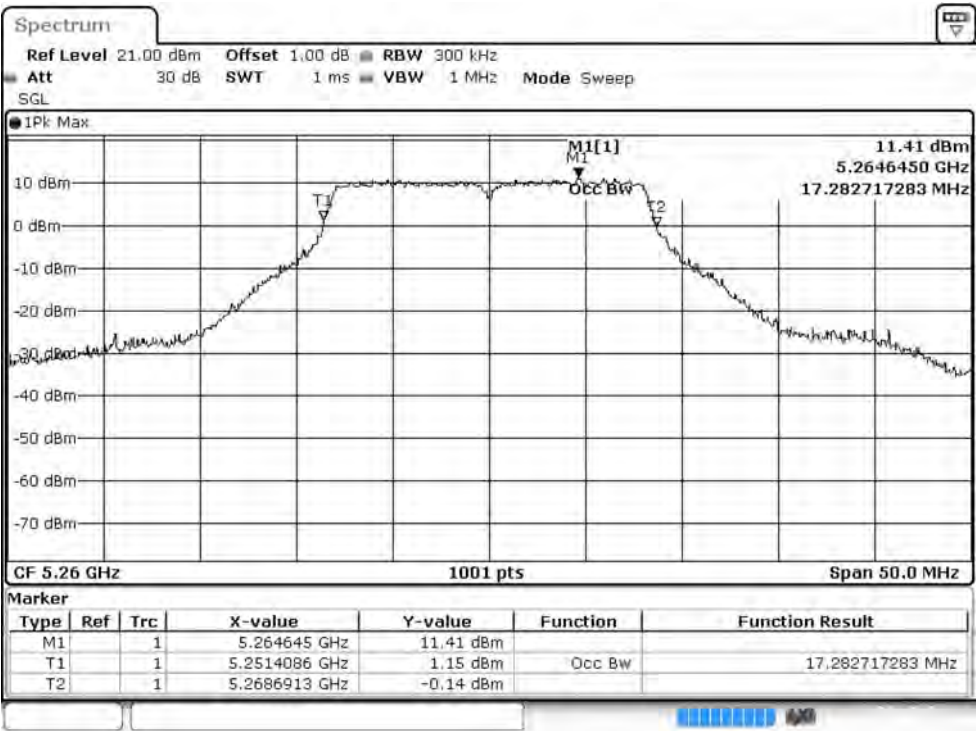
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

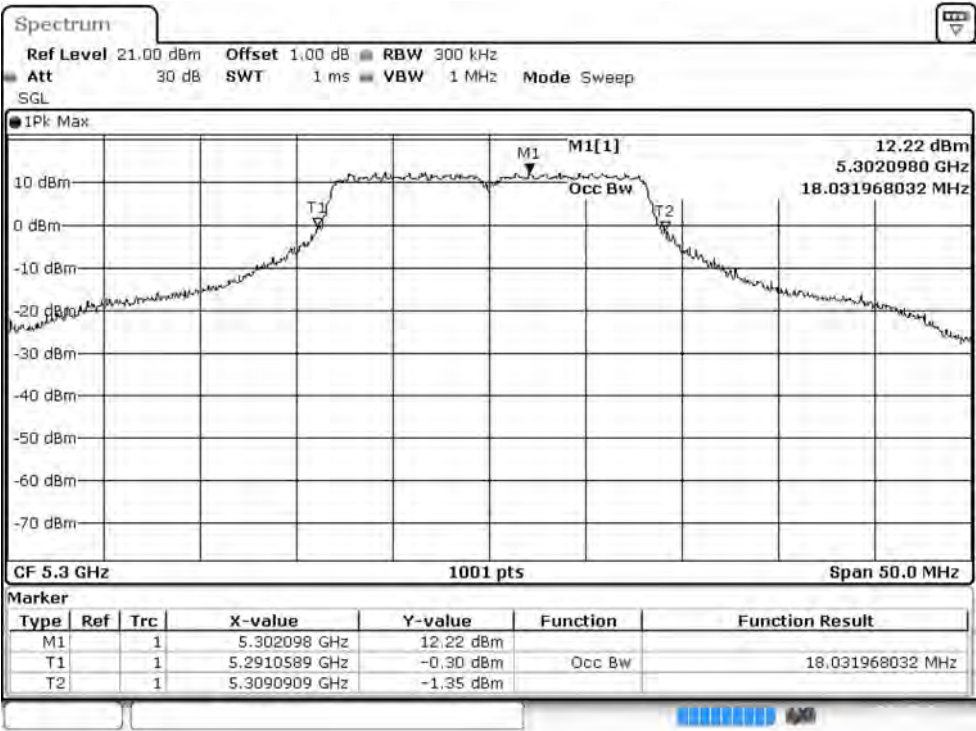
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	16.24	24	--	Pass
44	5220	--	16.47	24	--	Pass
48	5240	--	16.35	24	--	Pass
52	5260	17.282	19.43	24	23.38	Pass
60	5300	18.031	20.73	24	23.56	Pass
64	5320	17.132	17.46	24	23.34	Pass
100	5500	17.182	18.05	24	23.35	Pass
116	5580	17.682	20.41	24	23.48	Pass
140	5700	17.182	18.66	24	23.35	Pass
149	5745	--	20.14	30	--	Pass
157	5785	--	20.64	30	--	Pass
165	5825	--	20.18	30	--	Pass

99% Occupied Bandwidth:

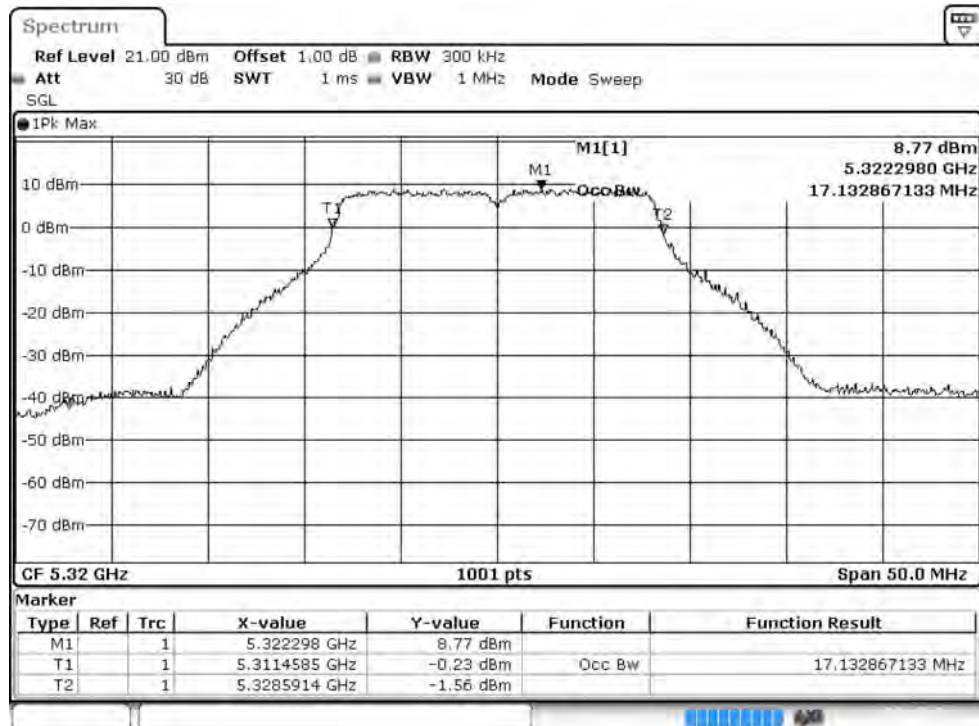
Channel 52



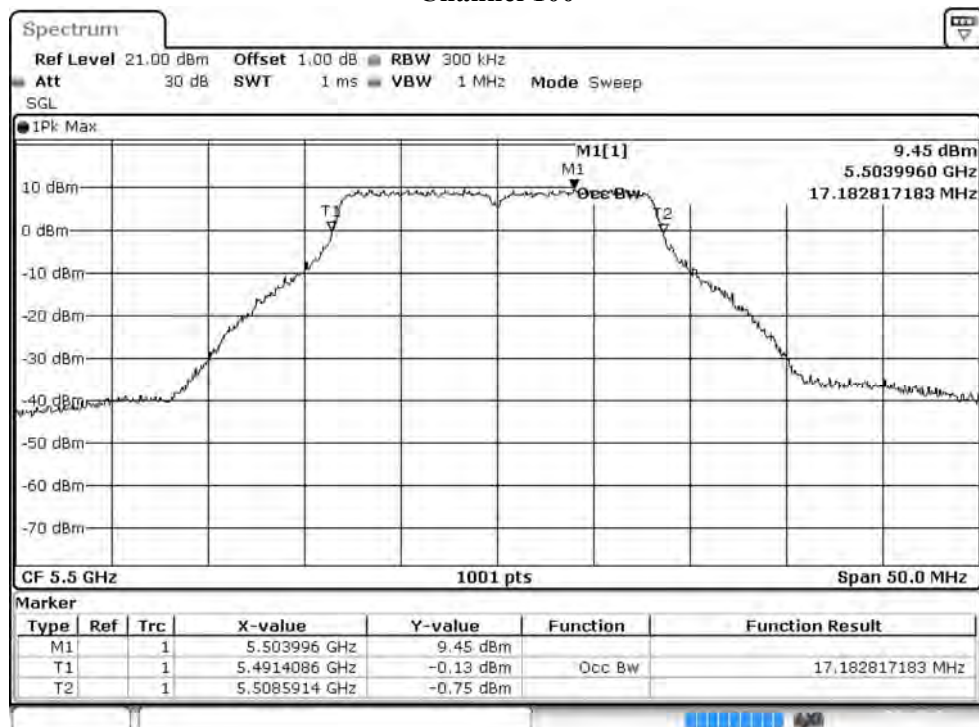
Channel 60



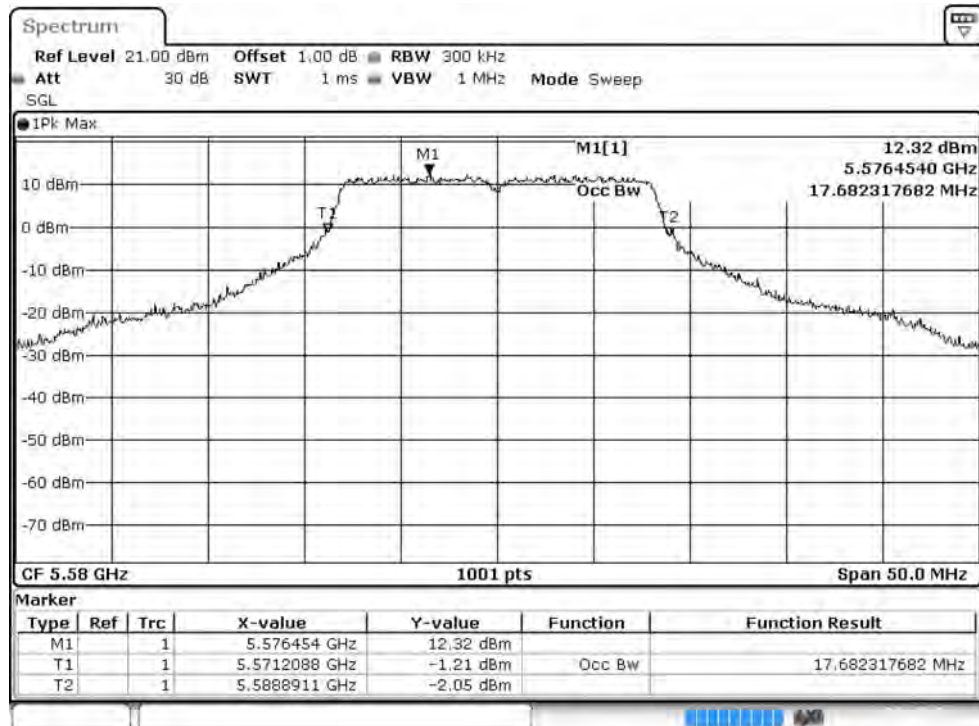
Channel 64



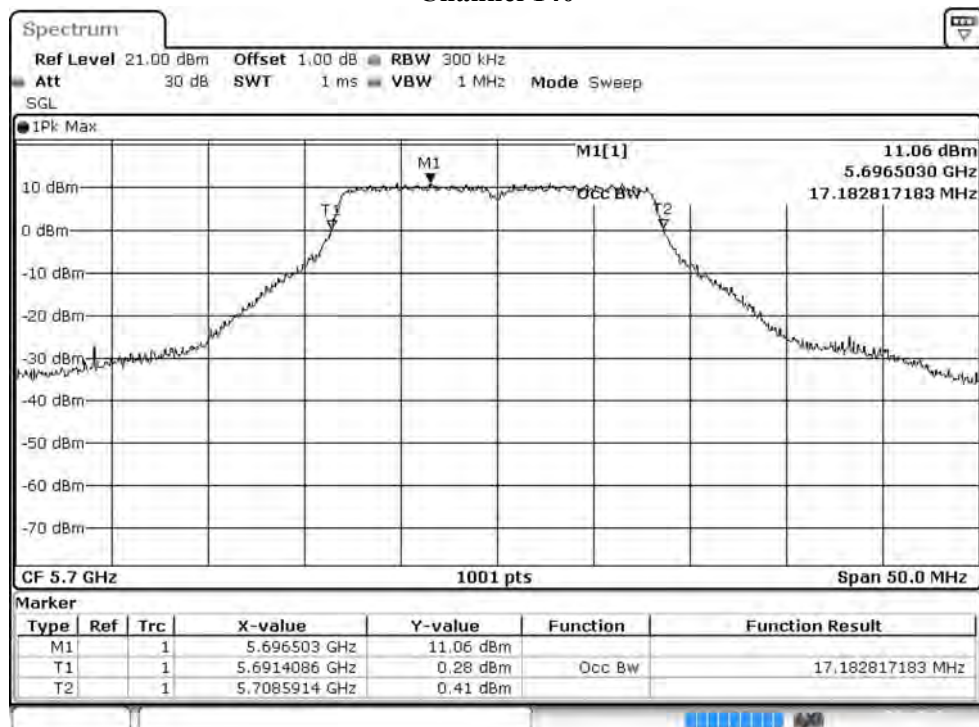
Channel 100



Channel 116



Channel 140



Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 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	16.66	--	--	--	--	--	--	--
44	5220	16.64	16.61	16.59	16.56	16.53	16.51	16.49	16.46
48	5240	16.53	--	--	--	--	--	--	--
52	5260	19.45	--	--	--	--	--	--	--
60	5300	20.71	20.68	20.65	20.62	20.59	20.55	20.52	20.49
64	5320	17.23	--	--	--	--	--	--	--
100	5500	18.23	--	--	--	--	--	--	--
116	5580	20.71	20.68	20.64	20.60	20.57	20.53	20.51	20.46
140	5700	18.79	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.89	18.85	18.81	18.78	18.73	18.69	18.66	18.61
144(U-NII-3)	5720	13.46	13.42	13.39	13.36	13.31	13.28	13.24	13.22
149	5745	20.12	--	--	--	--	--	--	--
157	5785	20.45	20.42	20.38	20.34	20.31	20.28	20.24	20.20
165	5825	20.13	--	--	--	--	--	--	--

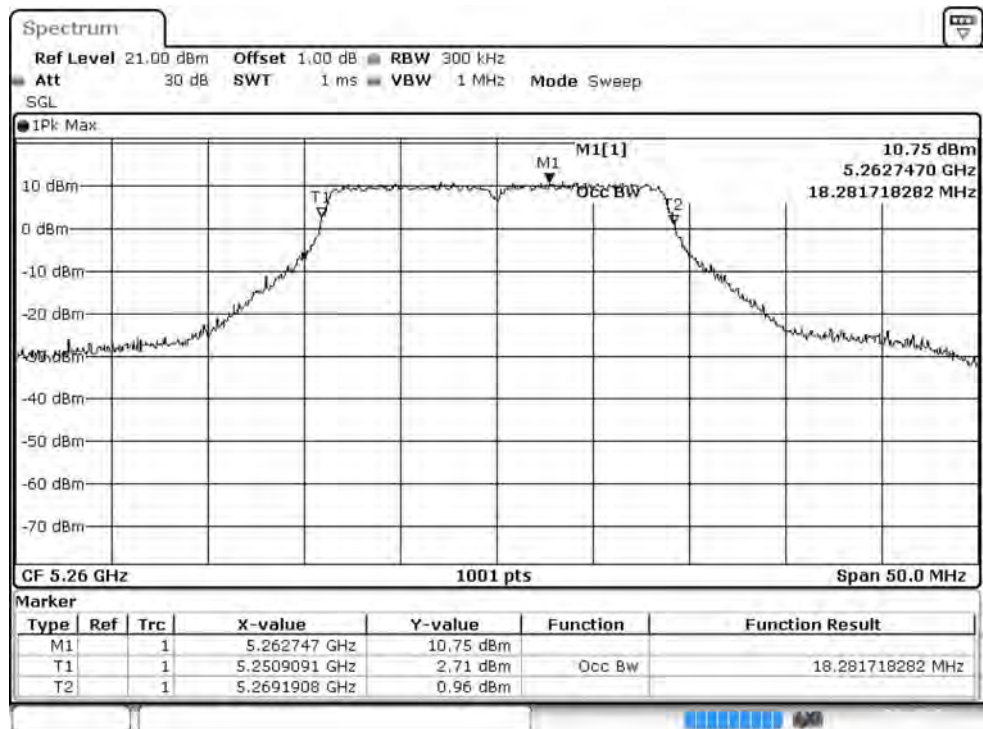
Note: Maximum conducted output power Value = Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

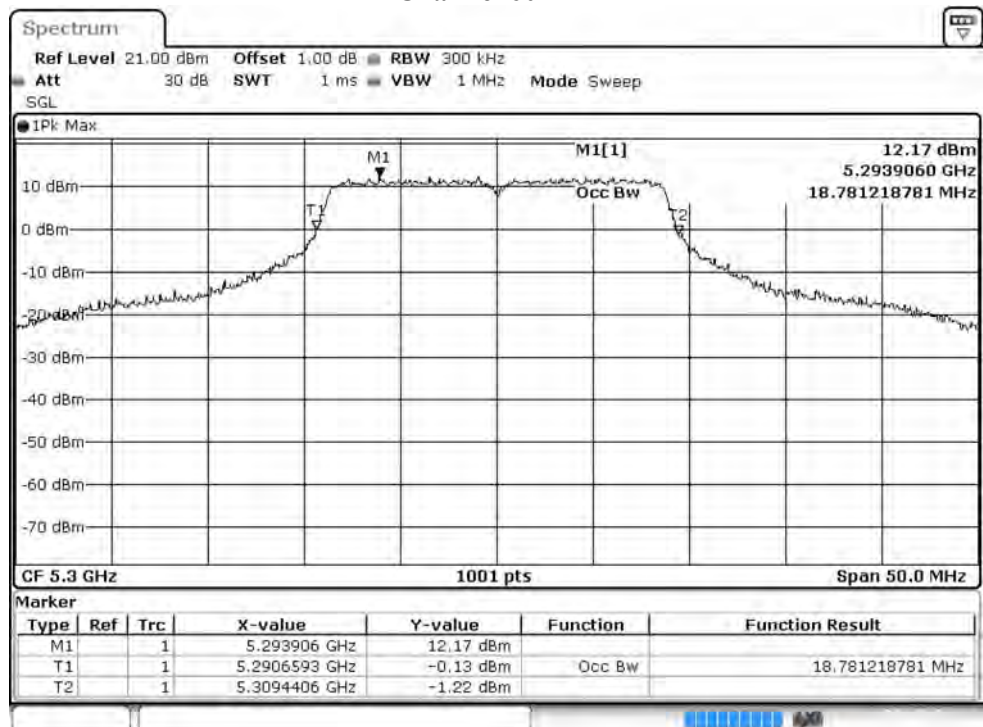
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	16.66	24	--	Pass
44	5220	--	16.64	24	--	Pass
48	5240	--	16.53	24	--	Pass
52	5260	18.281	19.45	24	23.62	Pass
60	5300	18.781	20.71	24	23.74	Pass
64	5320	18.181	17.23	24	23.60	Pass
100	5500	18.181	18.23	24	23.60	Pass
116	5580	18.781	20.71	24	23.74	Pass
140	5700	18.281	18.79	24	23.62	Pass
144(U-NII-2C)	5720	14.340	18.89	24	22.57	Pass
144(U-NII-3)	5720	--	13.46	30	--	Pass
149	5745	--	20.12	30	--	Pass
157	5785	--	20.45	30	--	Pass
165	5825	--	20.13	30	--	Pass

99% Occupied Bandwidth:

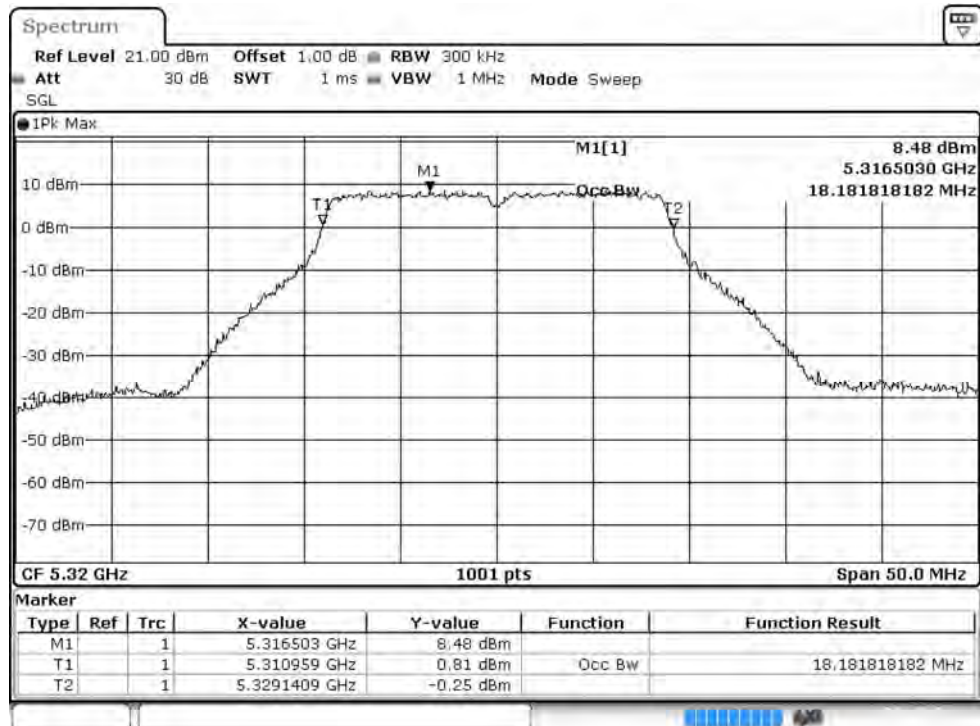
Channel 52



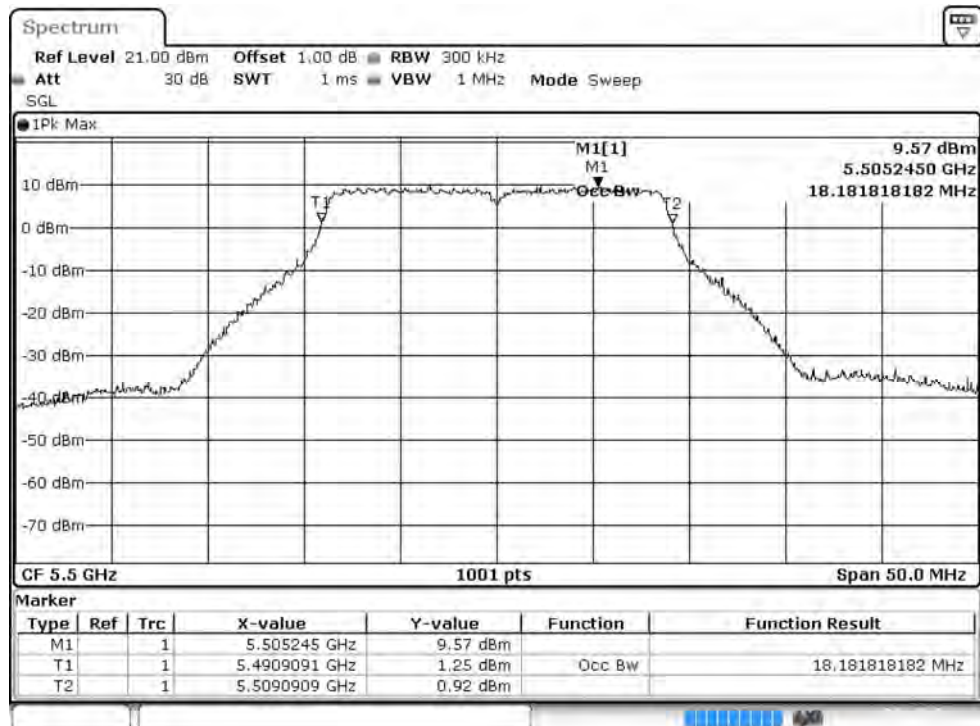
Channel 60



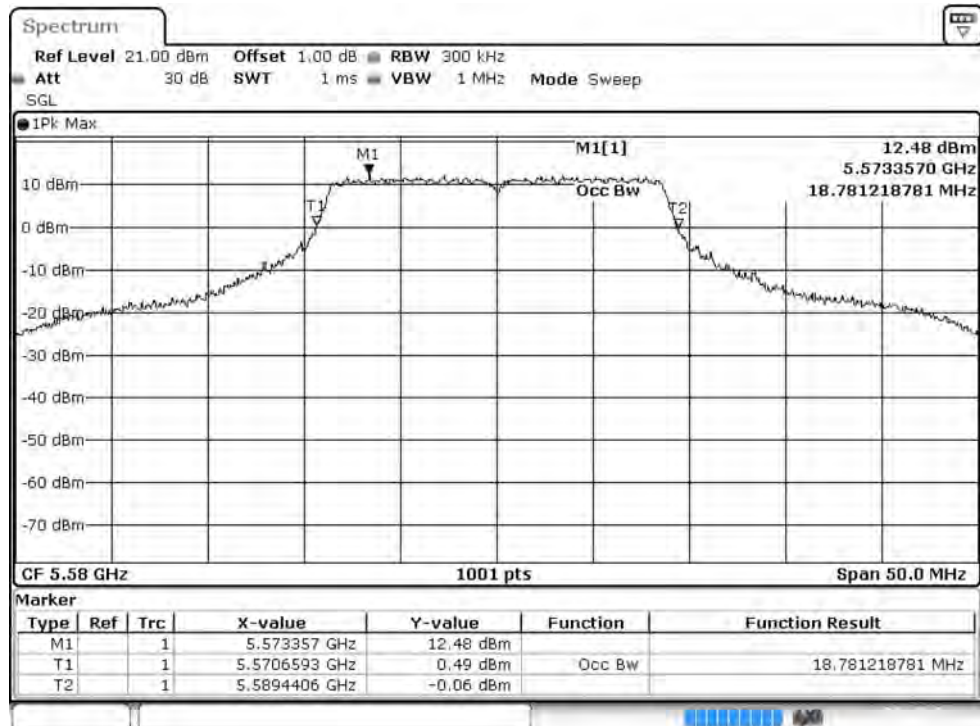
Channel 64



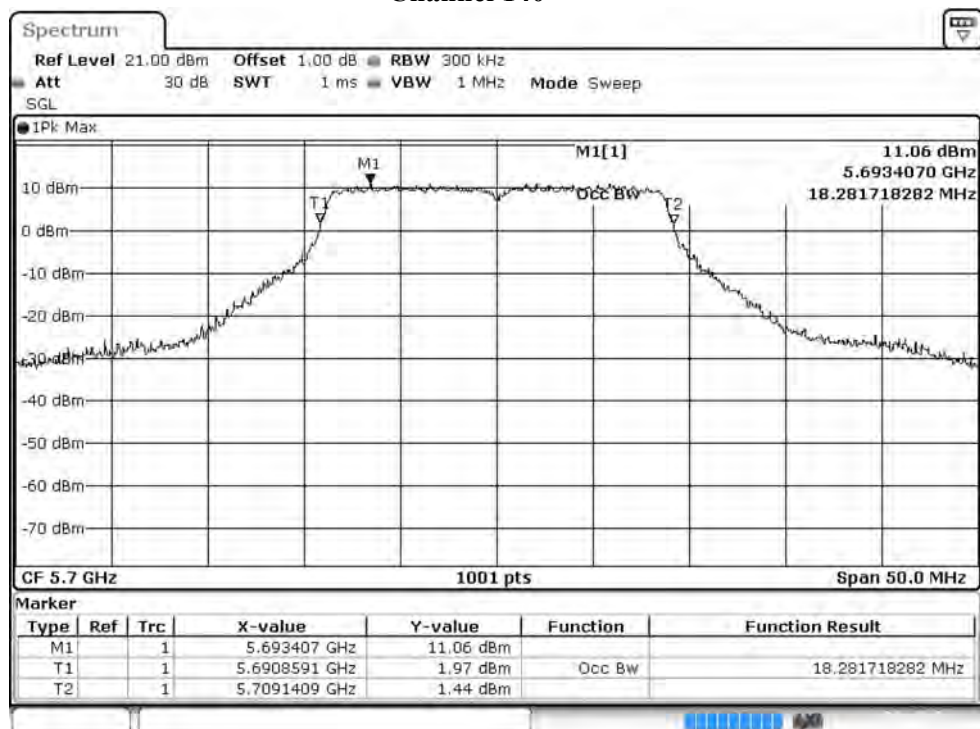
Channel 100



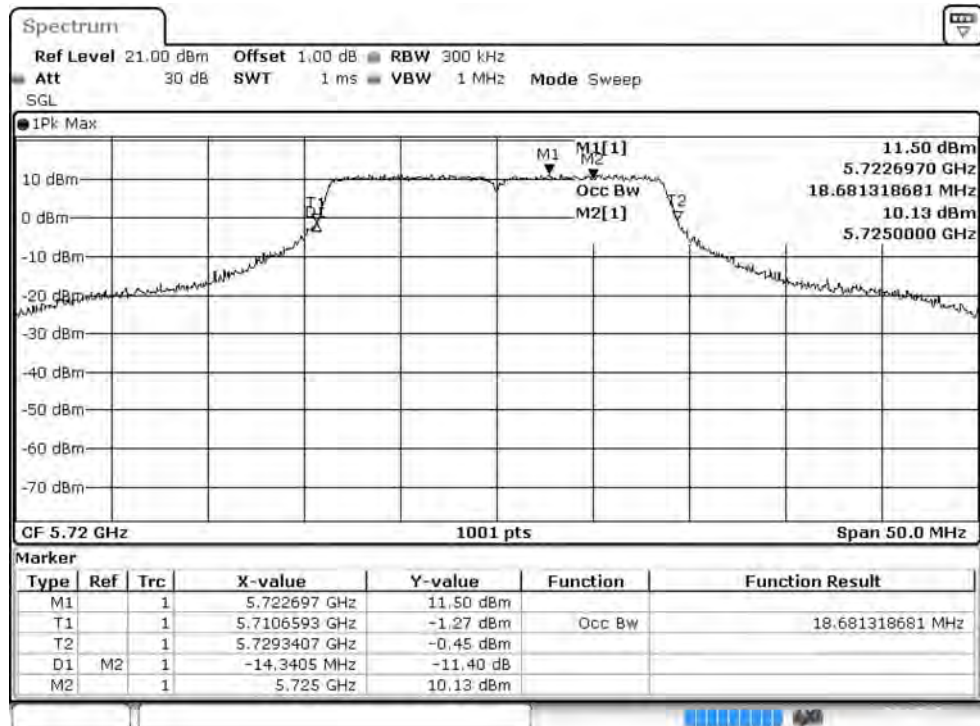
Channel 116

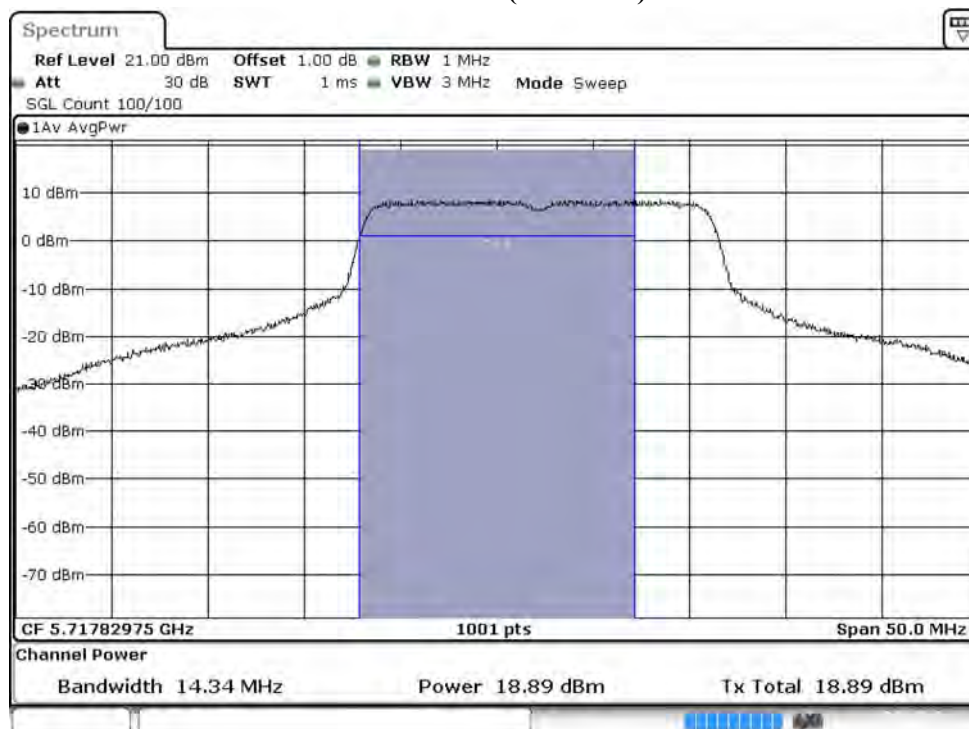
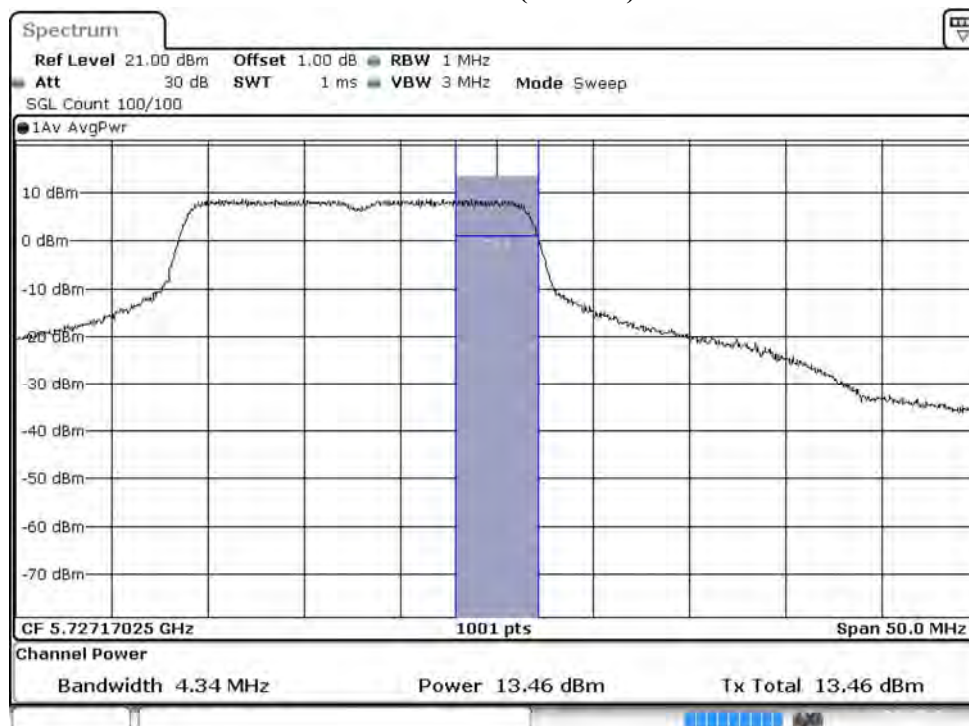


Channel 140



Channel 144



Maximum conducted output power:**Channel 144 (U-NII-2C)****Maximum conducted output power:****Channel 144 (U-NII-3)**

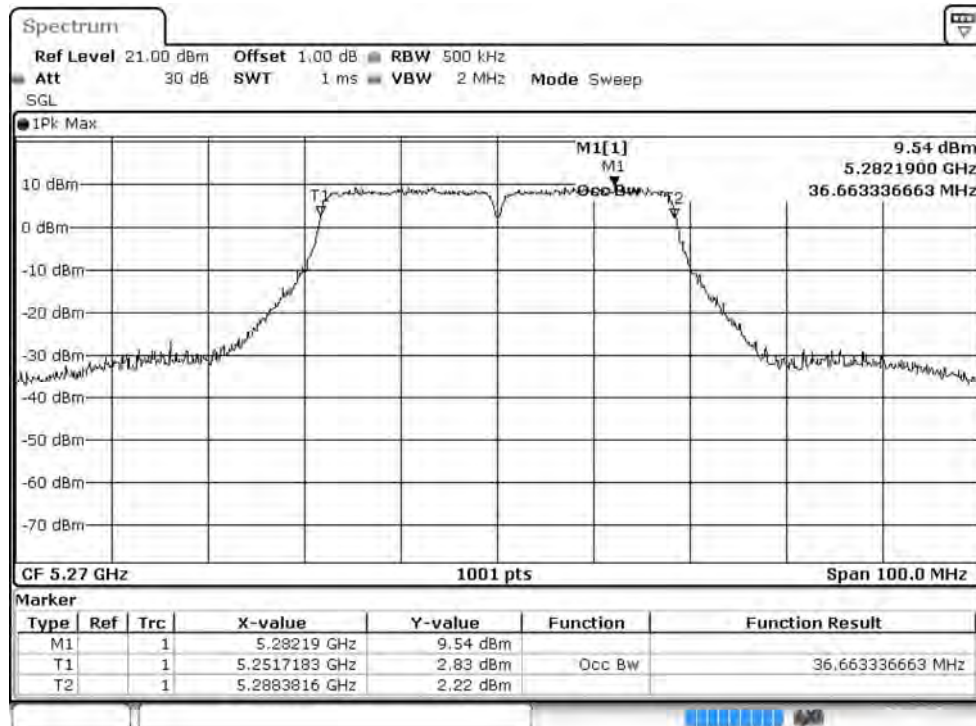
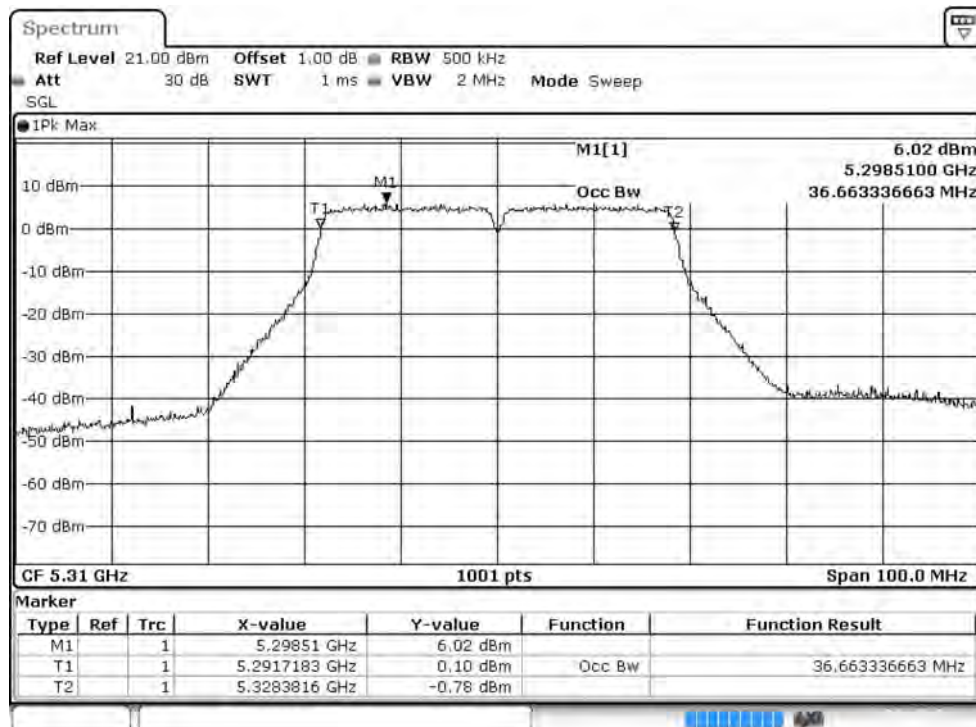
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 12 SISO B: Transmit (802.11n-40BW_15Mbps)

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	17.41	--	--	--	--	--	--	--
46	5230	17.81	17.79	17.76	17.74	17.71	17.69	17.66	17.64
54	5270	18.85	--	--	--	--	--	--	--
62	5310	15.42	15.39	15.35	15.31	15.28	15.25	15.21	15.18
102	5510	17.86	--	--	--	--	--	--	--
110	5550	19.81	19.78	19.75	19.72	19.69	19.65	19.63	19.59
134	5670	19.22	--	--	--	--	--	--	--
142(U-NII-2C)	5710	20.33	20.31	20.28	20.25	20.23	20.21	20.18	20.15
142(U-NII-3)	5710	10.61	10.58	10.55	10.51	10.49	10.45	10.43	10.38
151	5755	20.61	--	--	--	--	--	--	--
159	5795	20.21	20.19	20.15	20.12	20.09	20.05	20.01	19.99

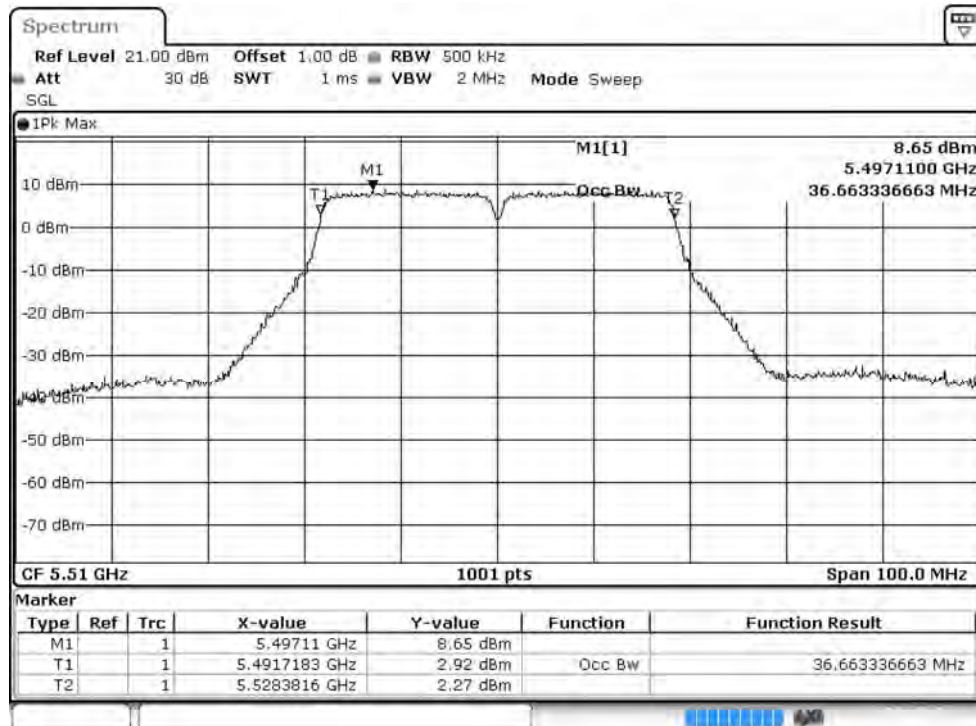
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

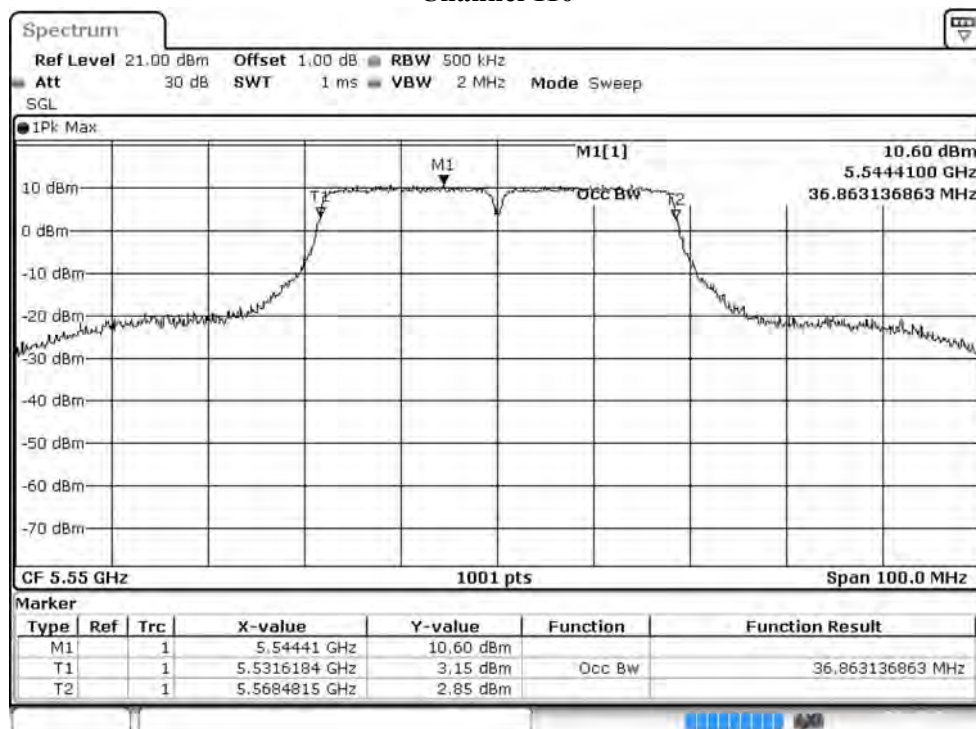
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	--	17.41	24	--	Pass
46	5230	--	17.81	24	--	Pass
54	5270	36.663	18.85	24	26.64	Pass
62	5310	36.663	15.42	24	26.64	Pass
102	5510	36.663	17.86	24	26.64	Pass
110	5550	36.863	19.81	24	26.67	Pass
134	5670	36.863	19.22	24	26.67	Pass
142(U-NII-2C)	5710	35.479	20.33	24	26.50	Pass
142(U-NII-3)	5710	--	10.61	30	--	Pass
151	5755	--	20.61	30	--	Pass
159	5795	--	20.21	30	--	Pass

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

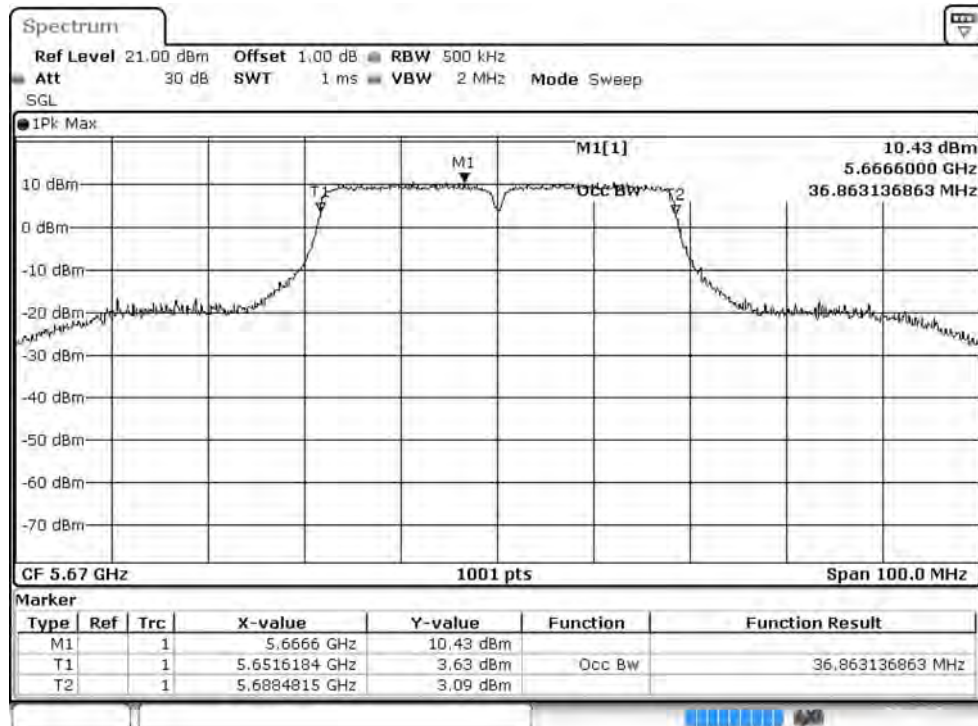
Channel 102



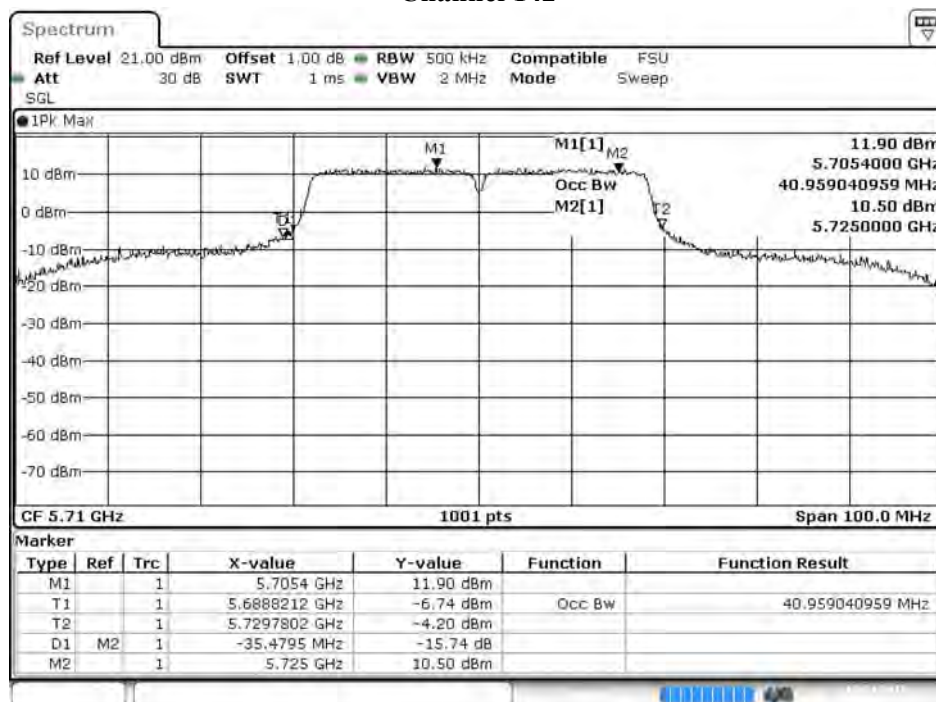
Channel 110



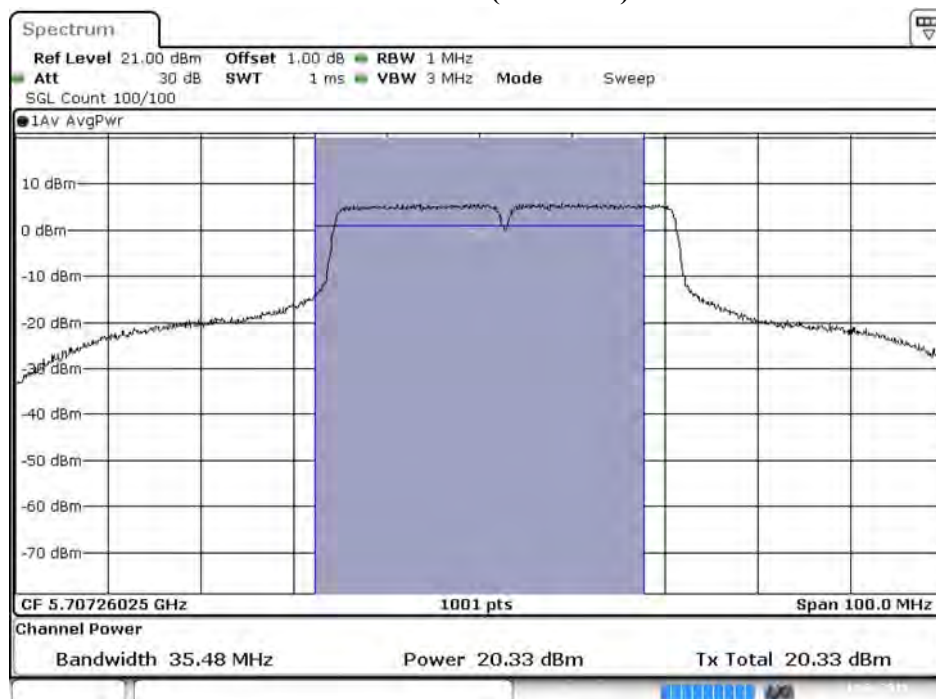
Channel 134



Channel 142



Date: 19 APR 2019 15:04:53

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

Date: 19.APR.2019 15:05:16

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

Date: 19.APR.2019 15:05:38

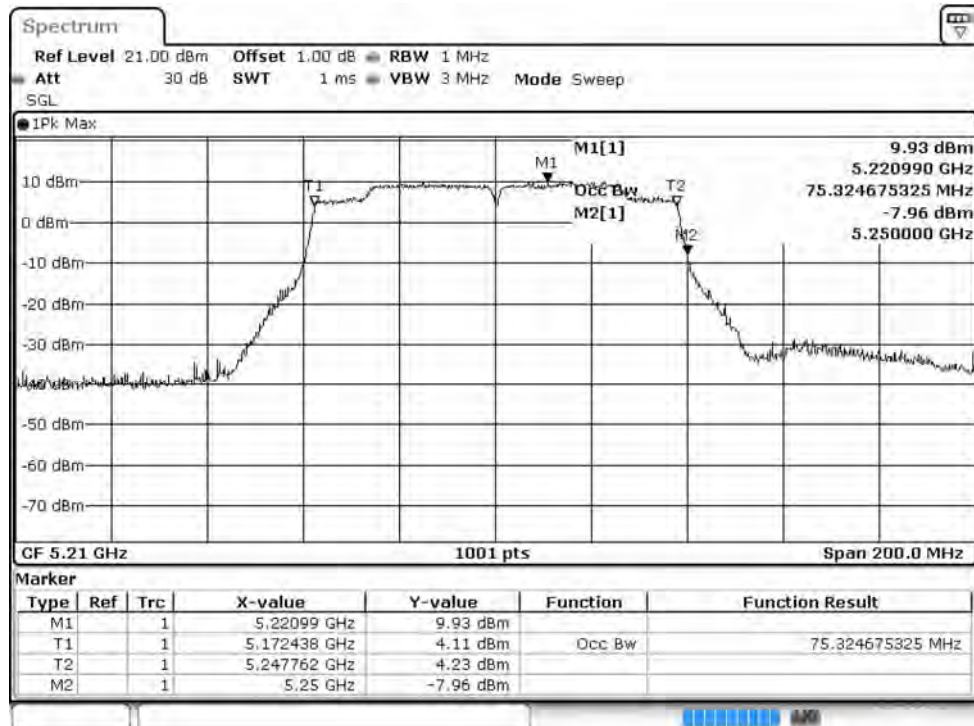
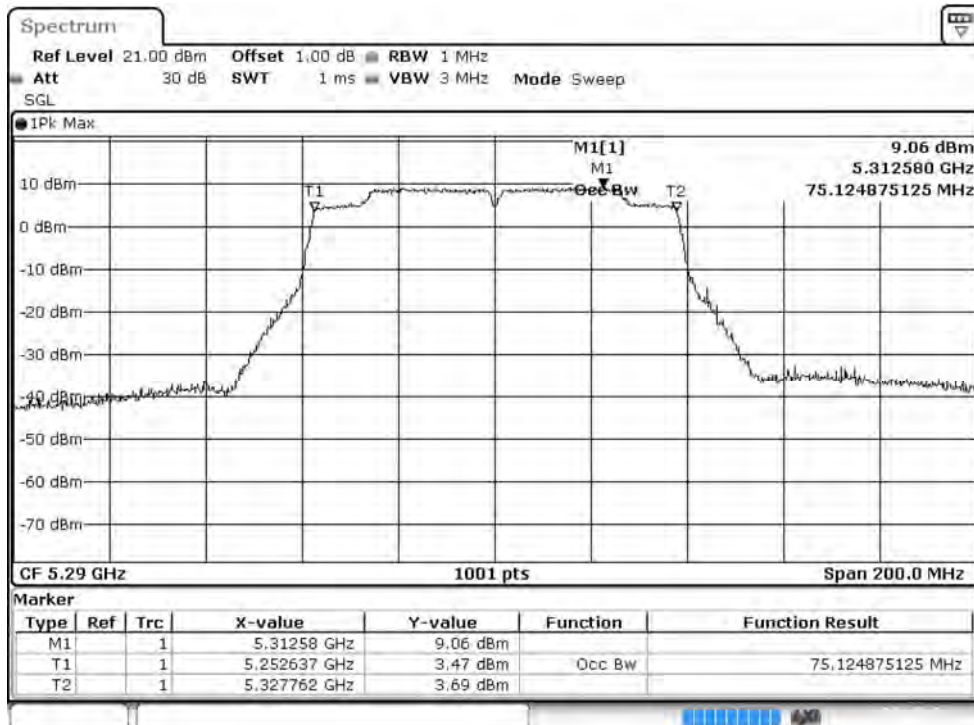
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 13 SISO B: Transmit (802.11ac-80BW_32.5Mbps)

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	17.43	17.41	17.38	17.35	17.33	17.30	17.28	17.26	17.23	17.20
58	5290	16.61	16.58	16.55	16.52	16.49	16.45	16.42	16.39	16.37	16.33
106	5530	17.59	--	--	--	--	--	--	--	--	--
122	5610	19.12	19.09	19.06	19.03	19.00	18.98	18.94	18.91	18.88	18.84
138 (U-NII-2C)	5690	20.18	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	3.76	--	--	--	--	--	--	--	--	--
155	5775	18.53	18.51	18.48	18.45	18.43	18.40	18.38	18.36	18.33	18.30

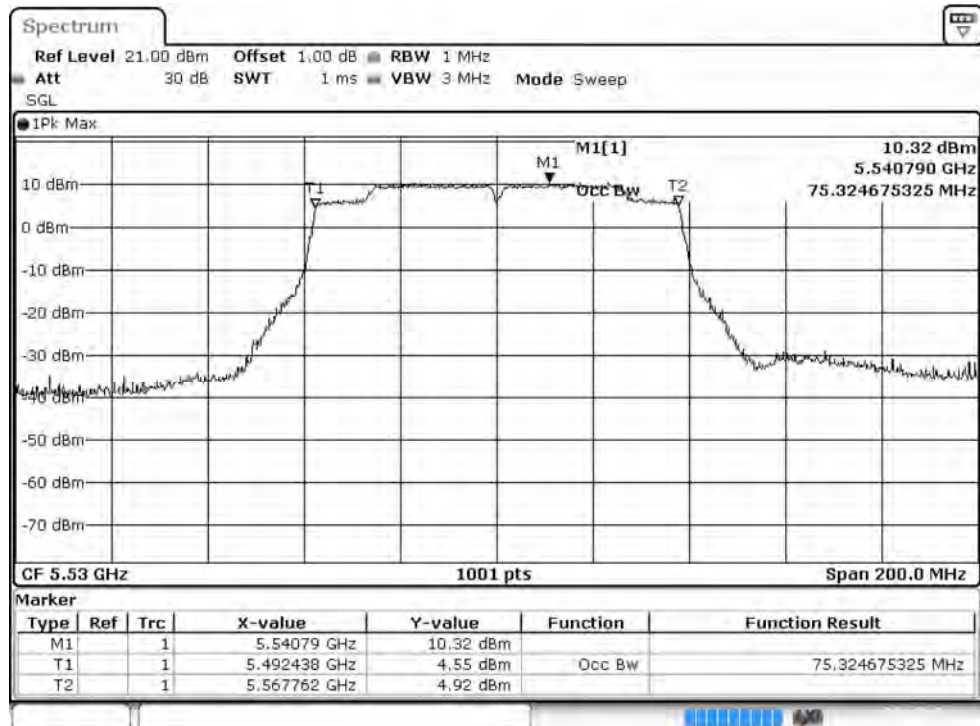
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

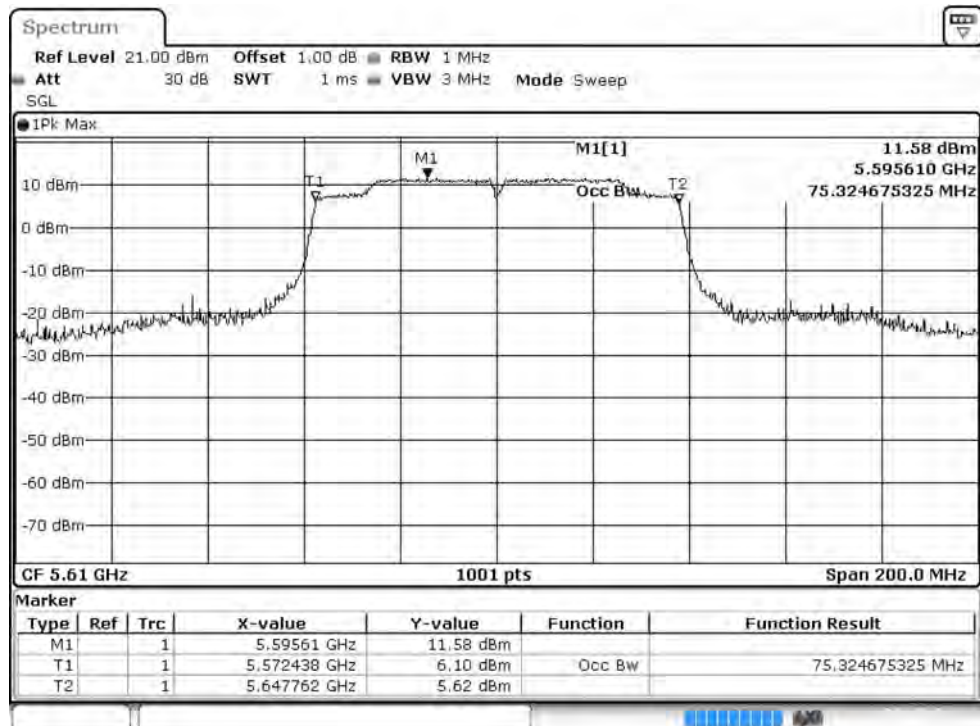
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42	5210	--	17.43	24	--	Pass
58	5290	75.124	16.61	24	29.76	Pass
106	5530	75.324	17.59	24	29.77	Pass
122	5610	75.324	19.12	24	29.77	Pass
138 (U-NII-2C)	5690	73.162	20.18	24	29.64	Pass
138 (U-NII-3)	5690	--	3.76	30	--	Pass
155	5775	--	18.53	30	--	Pass

99% Occupied Bandwidth:**Channel 42****Channel 58**

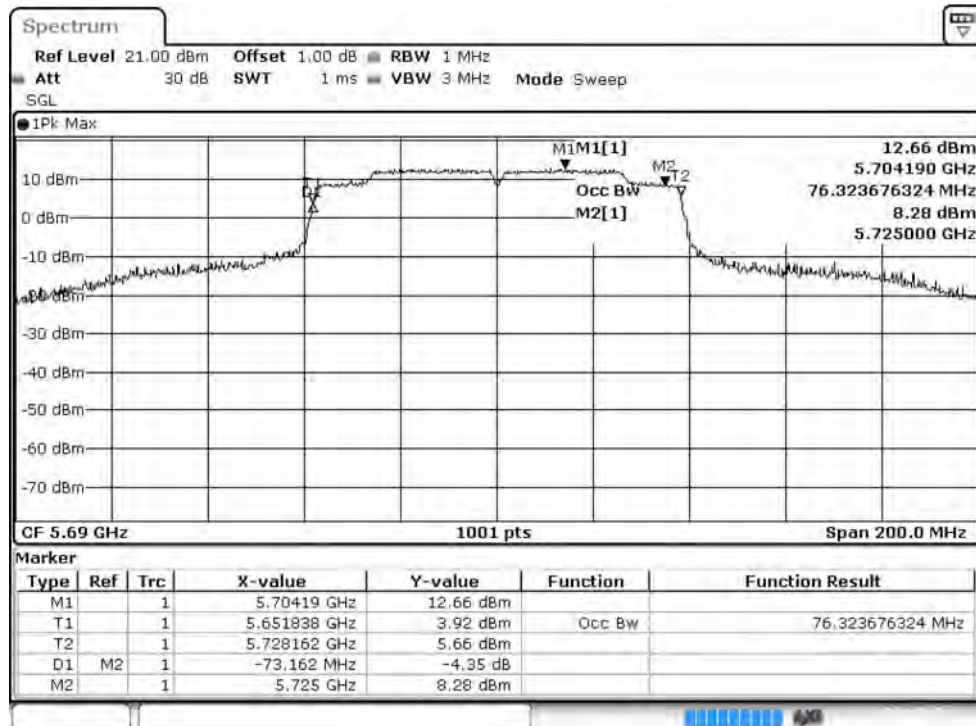
Channel 106



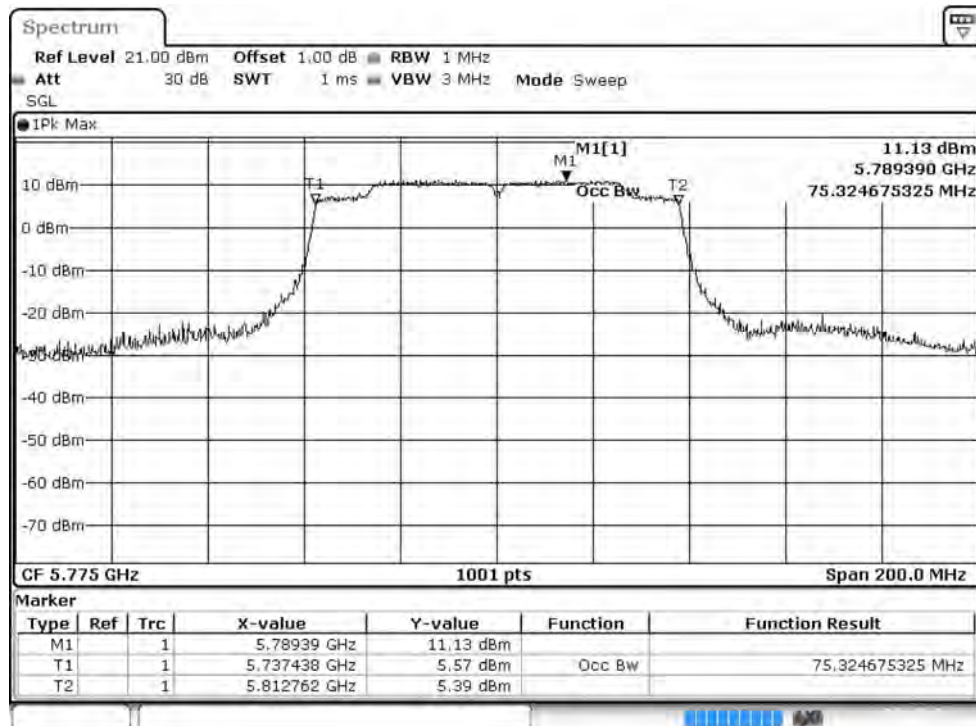
Channel 122

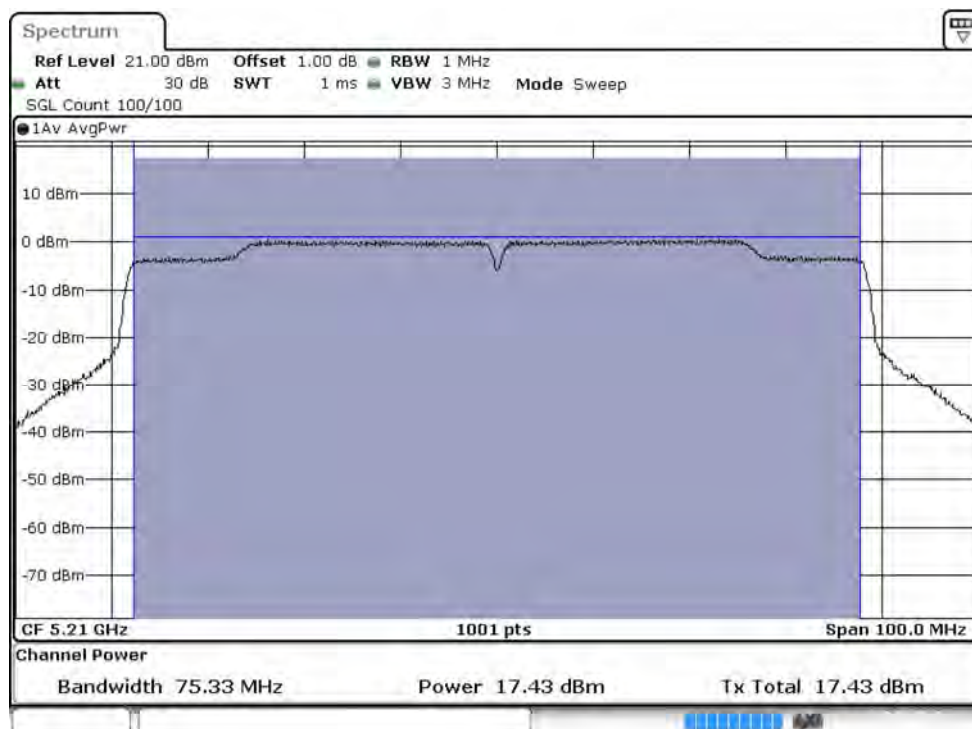
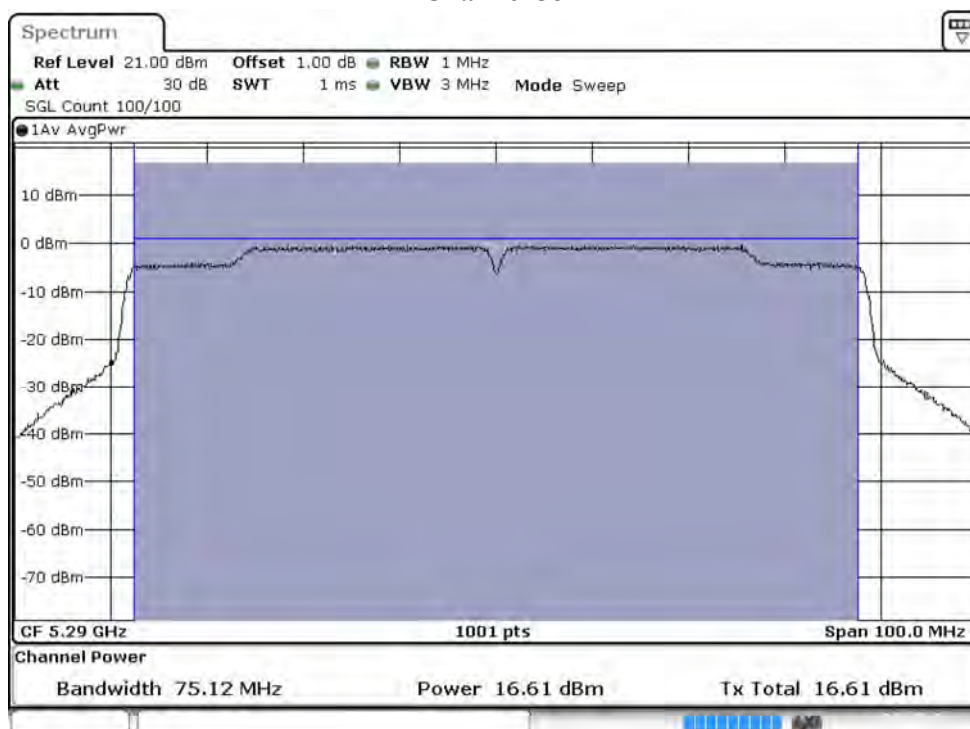


Channel 138



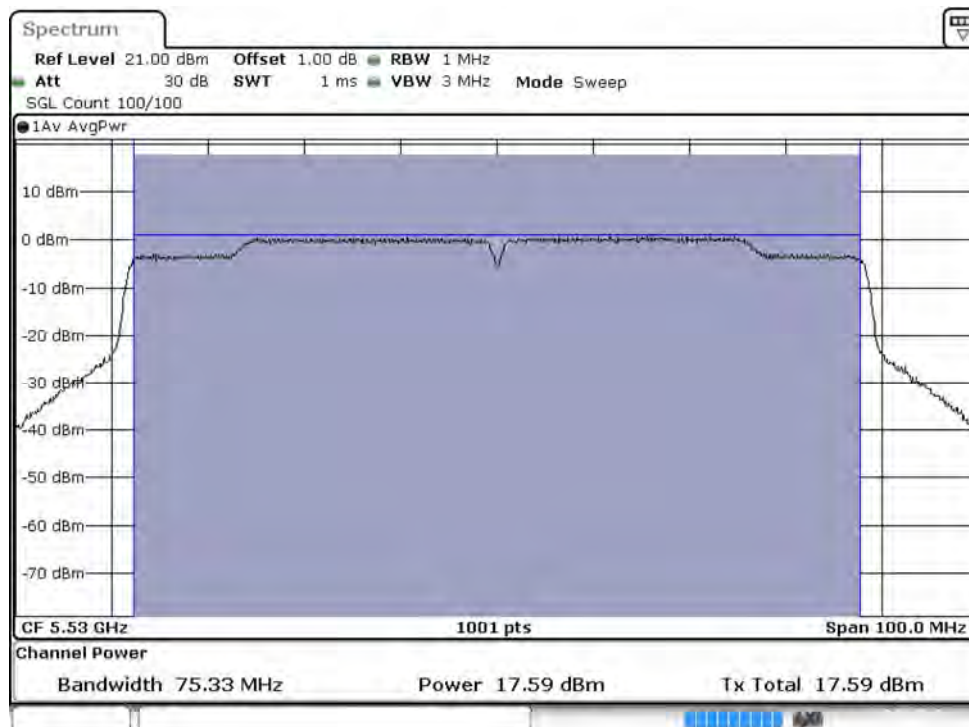
Channel 155



Maximum conducted output power:**Channel 42****Maximum conducted output power:****Channel 58**

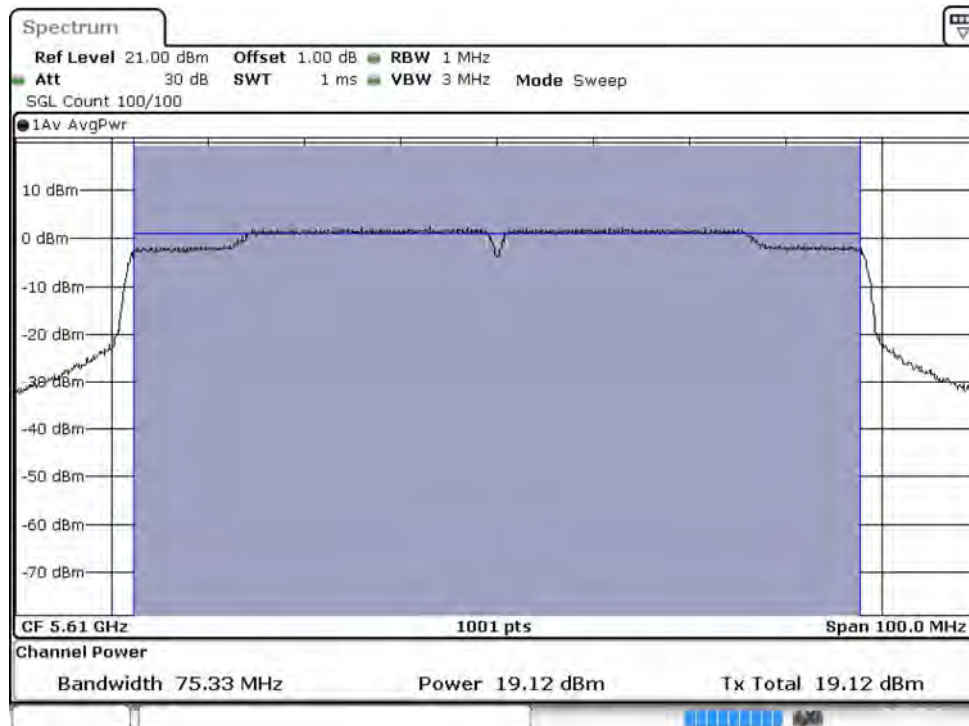
Maximum conducted output power:

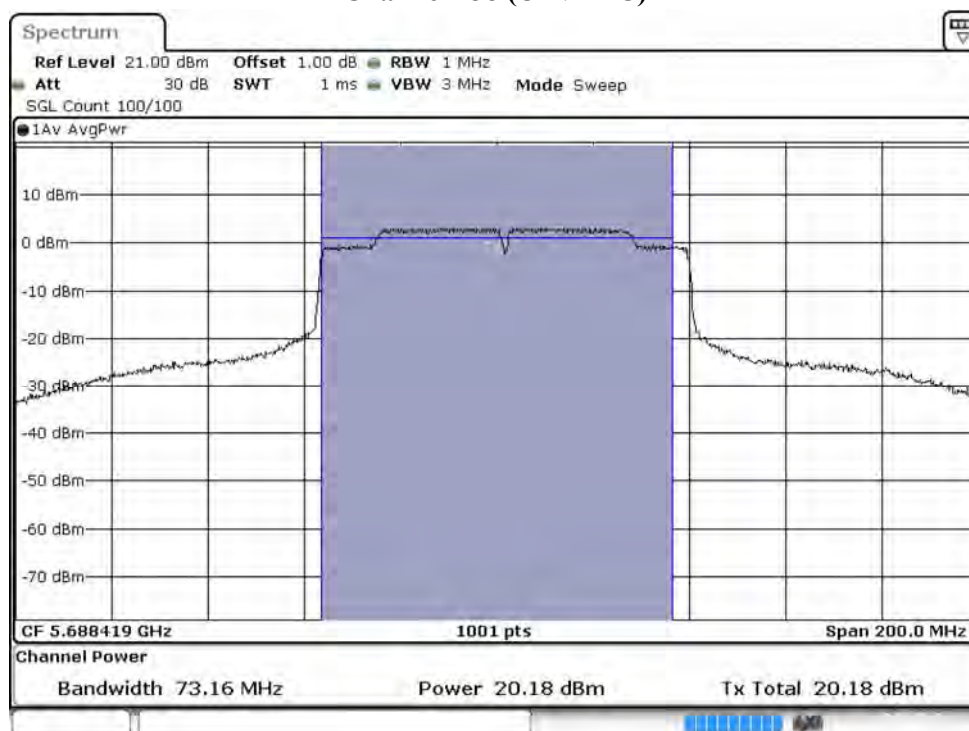
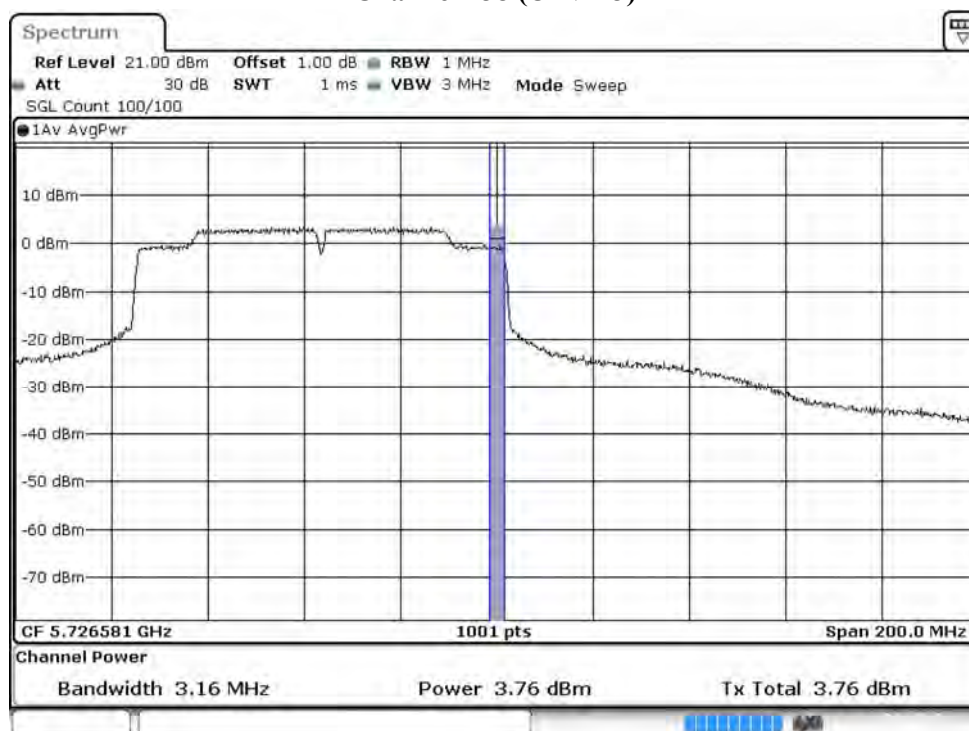
Channel 106



Maximum conducted output power:

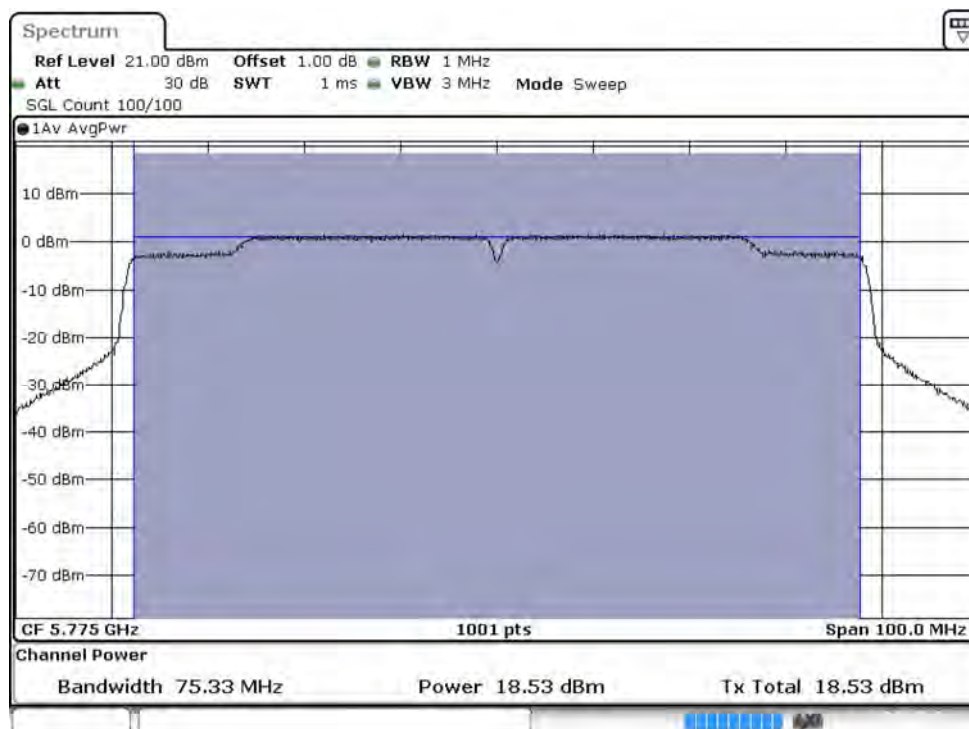
Channel 122



Maximum conducted output power:**Channel 138 (U-NII-2C)****Maximum conducted output power:****Channel 138 (U-NII-3)**

Maximum conducted output power:

Channel 155



Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 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	10.82	10.79	10.75	10.71	10.68	10.65	10.61	10.56	10.54	10.50
50 (U-NII-2A)	5250	11.18	11.15	11.11	11.07	11.04	11.01	10.97	10.93	10.91	10.86
114	5570	14.37	14.33	14.29	14.24	14.21	14.18	14.12	14.09	14.06	14.02

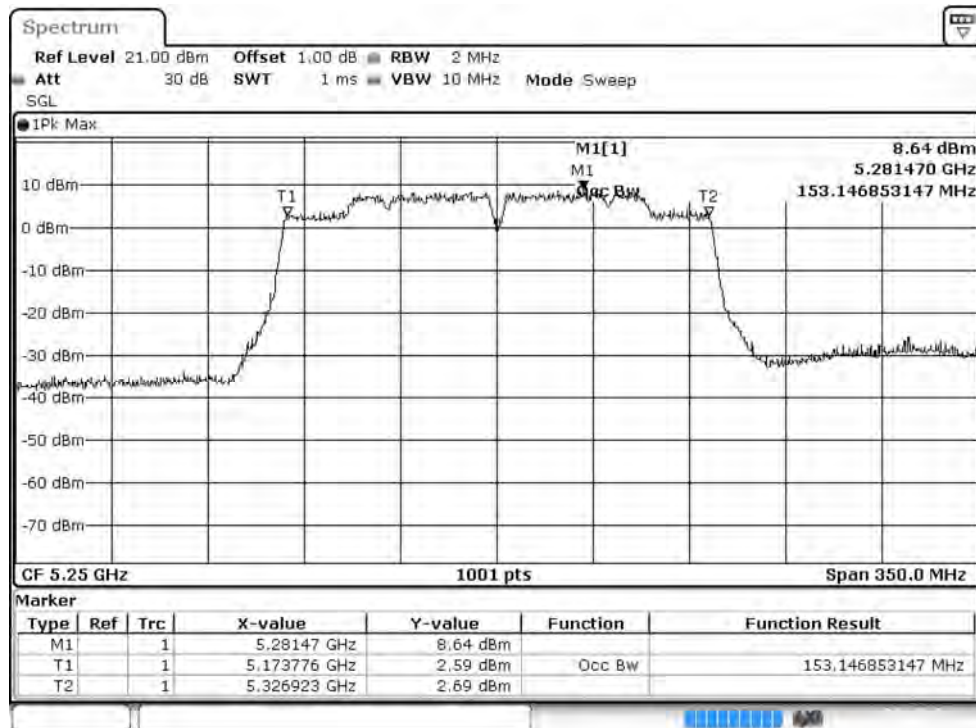
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

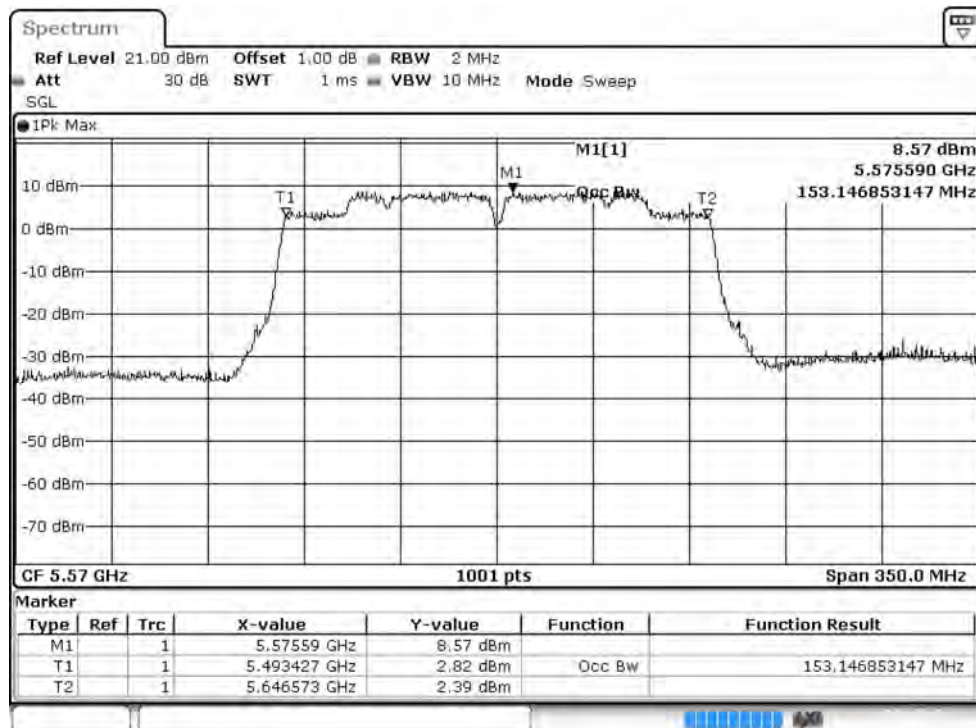
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50 (U-NII-1)	5250	--	10.82	24	--	Pass
50 (U-NII-2A)	5250	76.573	11.18	24	29.84	Pass
114	5570	153.146	14.37	24	32.85	Pass

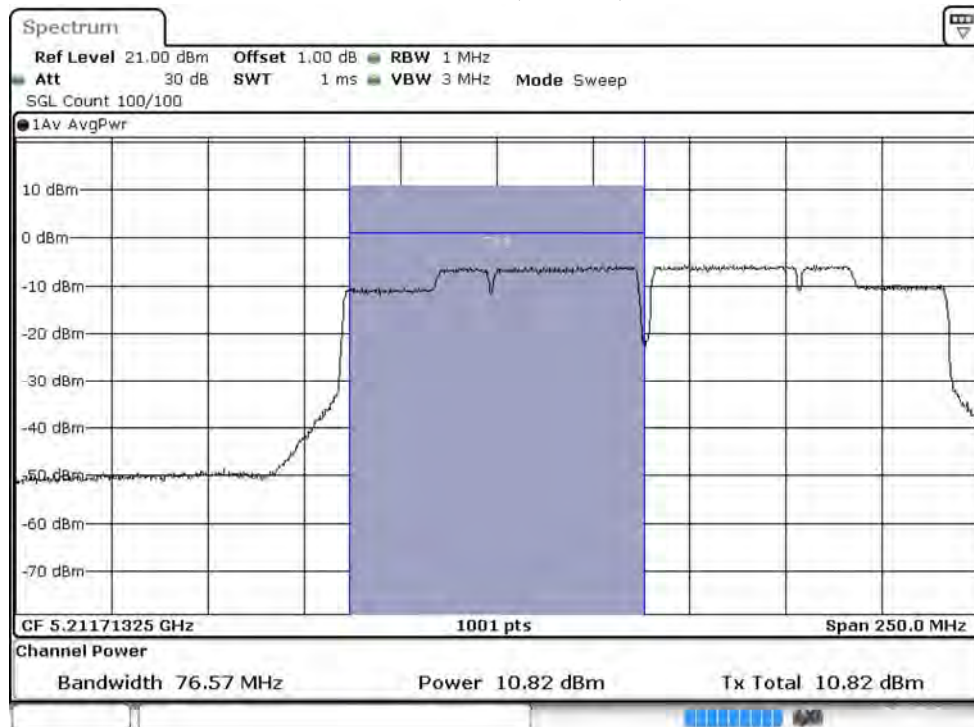
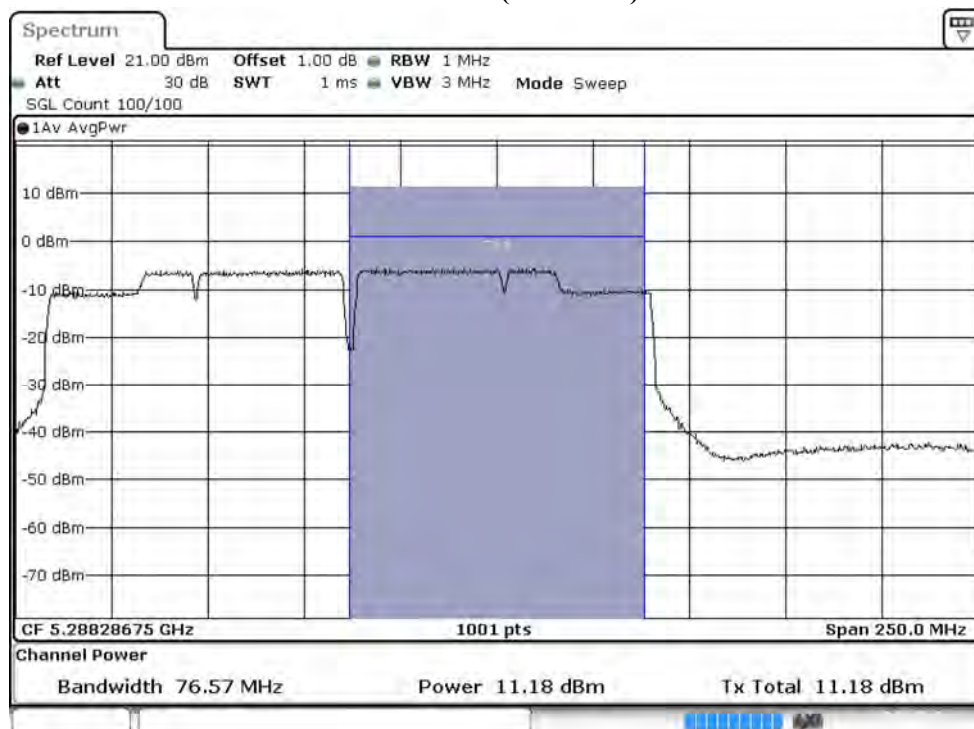
99% Occupied Bandwidth:

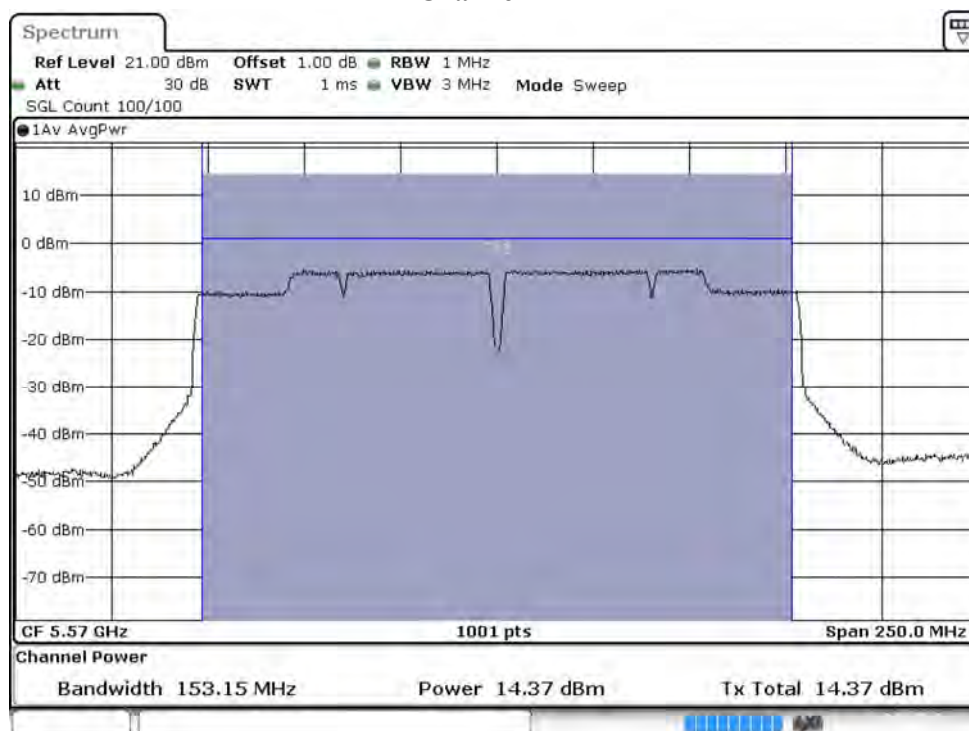
Channel 50



Channel 114



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

Maximum conducted output power:**Channel 114**

Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/29
 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	13.46	--	--	--	--	--	--	--
44	5220	13.61	13.58	13.54	13.52	13.49	13.47	13.43	13.41
48	5240	13.62	--	--	--	--	--	--	--
52	5260	18.41	--	--	--	--	--	--	--
60	5300	19.36	19.32	19.29	19.26	19.21	19.18	19.14	19.11
64	5320	16.50	--	--	--	--	--	--	--
100	5500	17.41	--	--	--	--	--	--	--
116	5580	19.04	19.01	18.97	18.95	18.91	18.86	18.83	18.79
140	5700	16.84	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.09	18.05	18.01	17.97	17.94	17.89	17.86	17.81
144(U-NII-3)	5720	12.82	12.79	12.76	12.73	12.70	12.68	12.66	12.62
149	5745	19.18	--	--	--	--	--	--	--
157	5785	19.11	19.08	19.05	19.01	18.99	18.95	18.93	18.91
165	5825	19.08	--	--	--	--	--	--	--

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	13.41	--	--	--	--	--	--	--
44	5220	13.62	13.59	13.55	13.51	13.48	13.44	13.41	13.37
48	5240	13.67	--	--	--	--	--	--	--
52	5260	18.53	--	--	--	--	--	--	--
60	5300	19.07	19.04	19.01	18.98	18.96	18.92	18.88	18.84
64	5320	16.55	--	--	--	--	--	--	--
100	5500	17.25	--	--	--	--	--	--	--
116	5580	19.06	19.03	18.99	18.95	18.92	18.88	18.85	18.81
140	5700	18.41	--	--	--	--	--	--	--
144(U-NII-2C)	5720	17.98	17.95	17.91	17.87	17.84	17.80	17.77	17.73
144(U-NII-3)	5720	12.48	12.46	12.42	12.39	12.37	12.32	12.30	12.27
149	5745	19.01	--	--	--	--	--	--	--
157	5785	18.91	18.88	18.85	18.82	18.78	18.76	18.72	18.70
165	5825	18.98	--	--	--	--	--	--	--

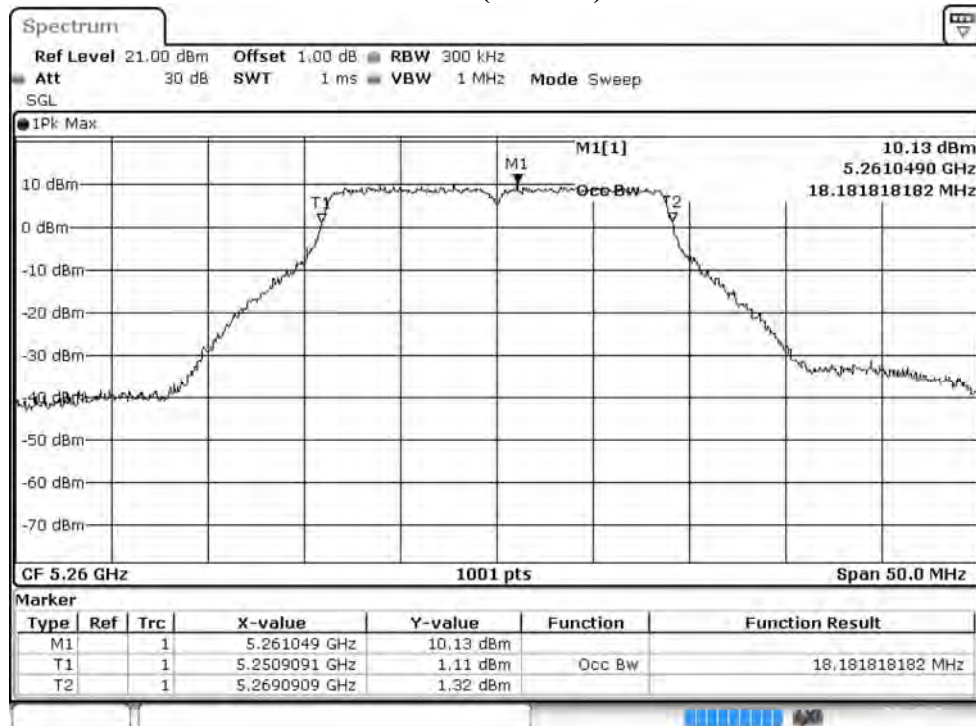
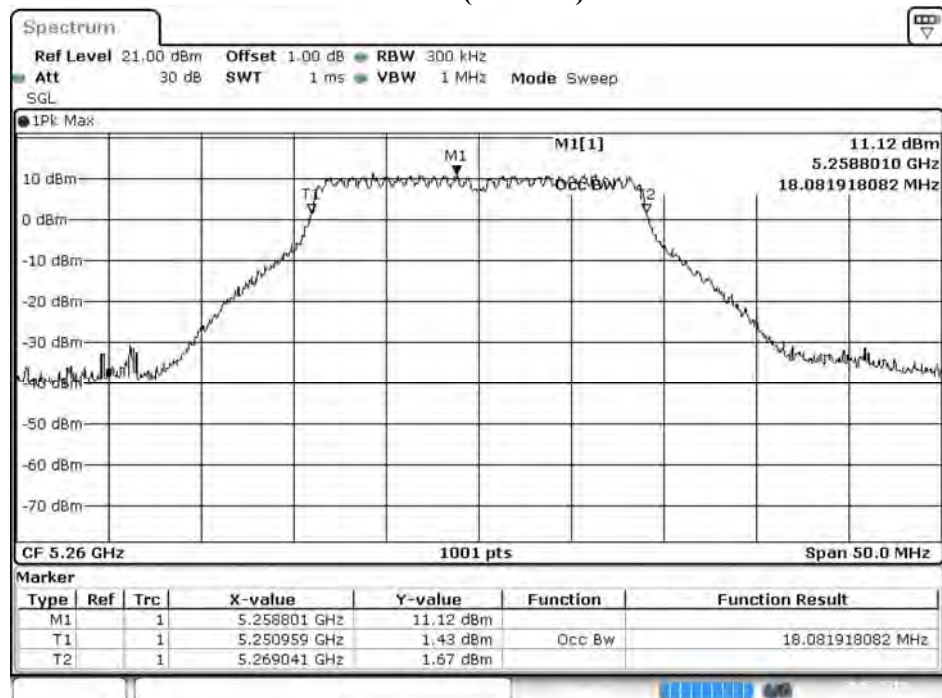
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
36	5180	--	13.46	13.41	16.45	24	--	Pass
44	5220	--	13.61	13.62	16.63	24	--	Pass
48	5240	--	13.62	13.67	16.66	24	--	Pass
52	5260	18.081	18.41	18.53	21.48	24	23.57	Pass
60	5300	18.081	19.36	19.07	22.23	24	23.57	Pass
64	5320	18.081	16.5	16.55	19.54	24	23.57	Pass
100	5500	18.081	17.41	17.25	20.34	24	23.57	Pass
116	5580	18.081	19.04	19.06	22.06	24	23.57	Pass
140	5700	18.081	16.84	18.41	20.71	24	23.57	Pass
144(U-NII-2C)	5720	16.788	18.09	17.98	21.05	24	23.25	Pass
144(U-NII-3)	5720	--	12.82	12.48	15.66	30	--	Pass
149	5745	--	19.18	19.01	22.11	30	--	Pass
157	5785	--	19.11	18.91	22.02	30	--	Pass
165	5825	--	19.08	18.98	22.04	30	--	Pass

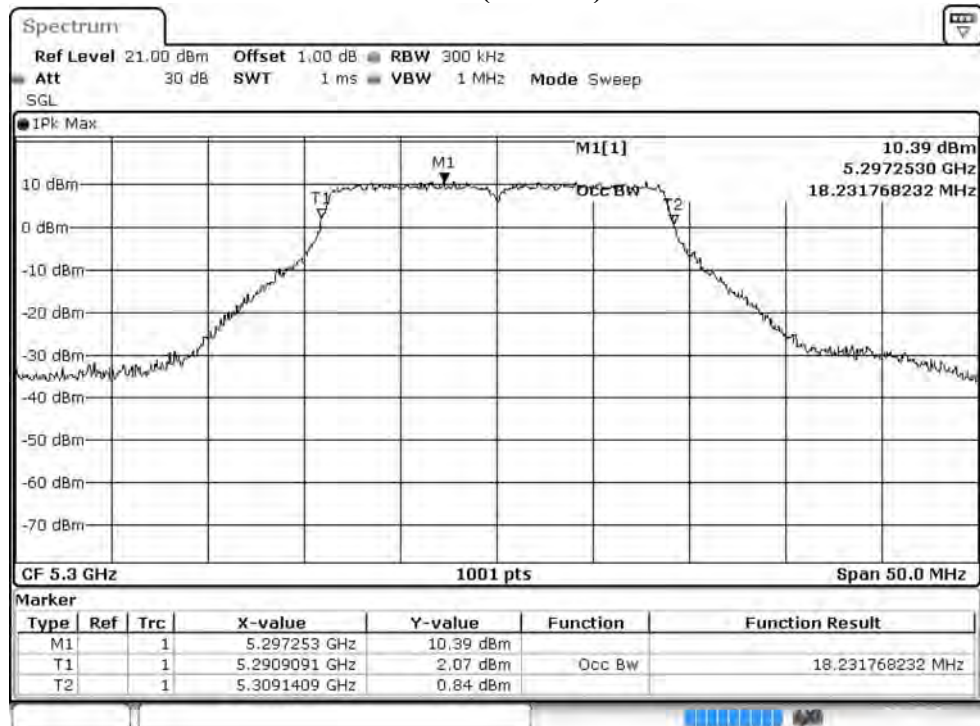
Note:

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.

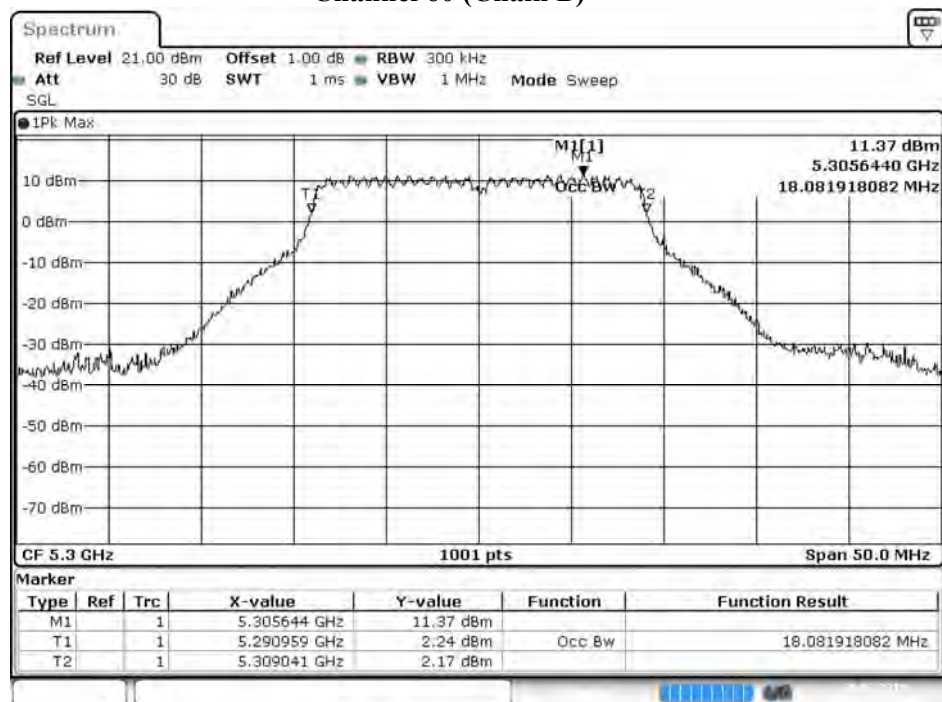
99% Occupied Bandwidth:**Channel 52 (Chain A)****Channel 52 (Chain B)**

Date: 29.MAR.2019 11:53:01

Channel 60 (Chain A)

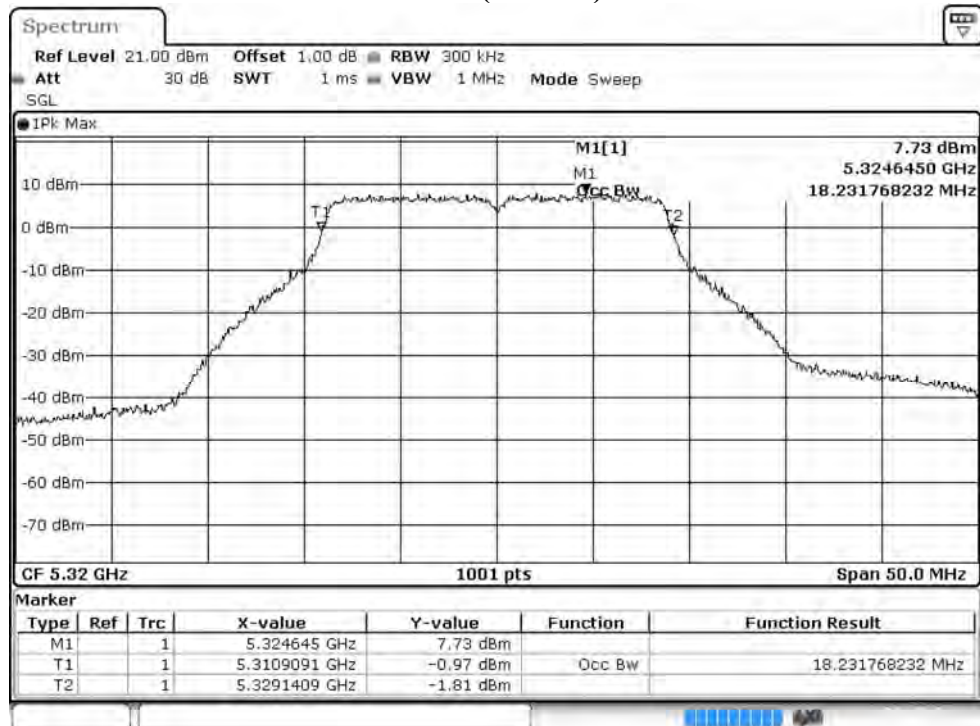


Channel 60 (Chain B)

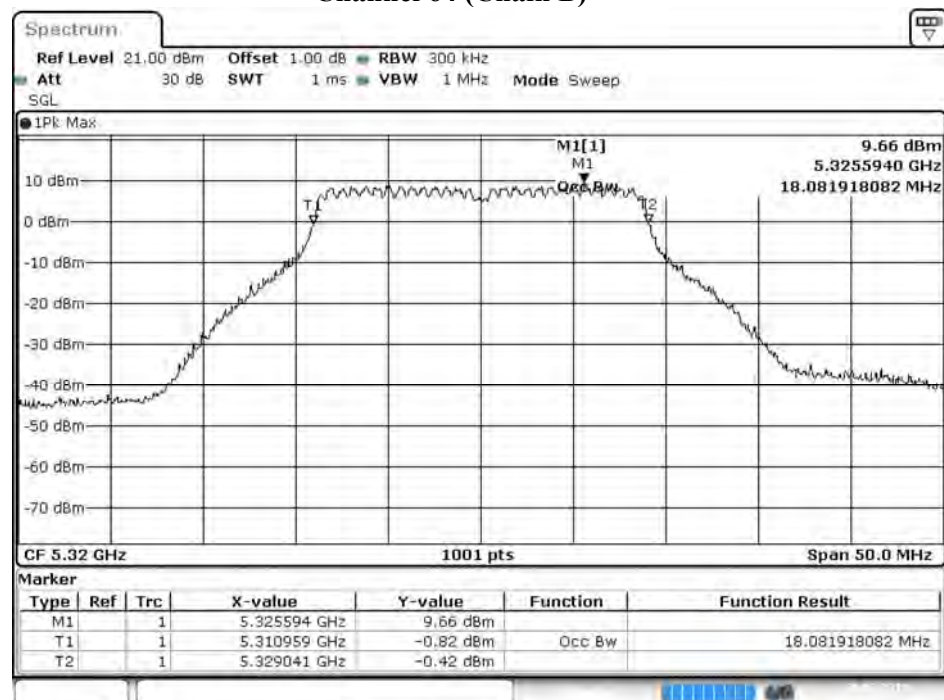


Date: 29.MAR.2019 11:53.43

Channel 64 (Chain A)

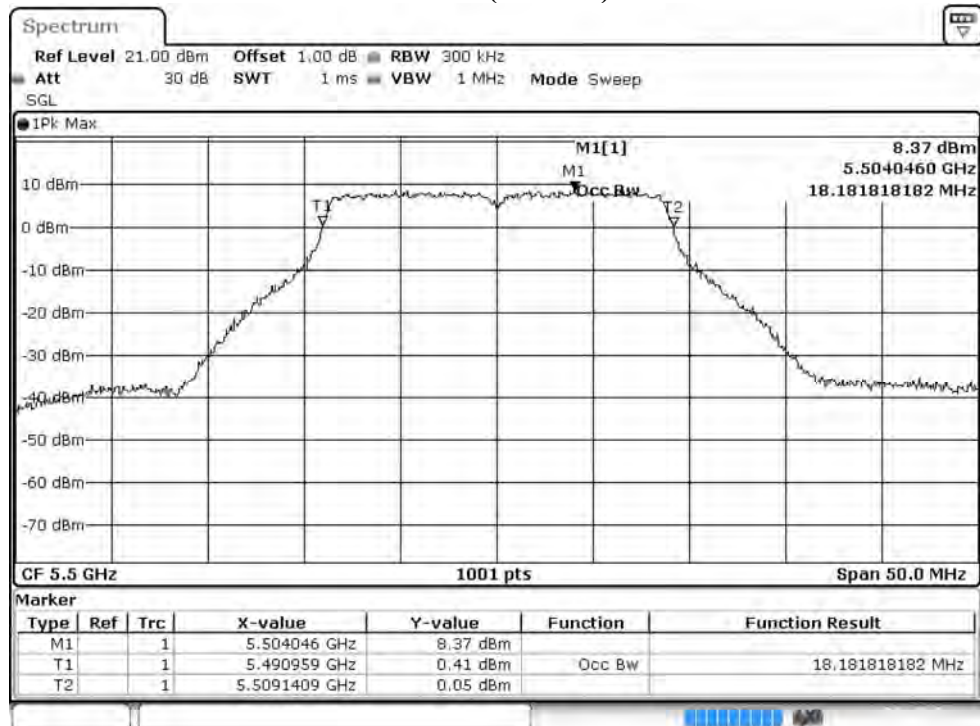


Channel 64 (Chain B)

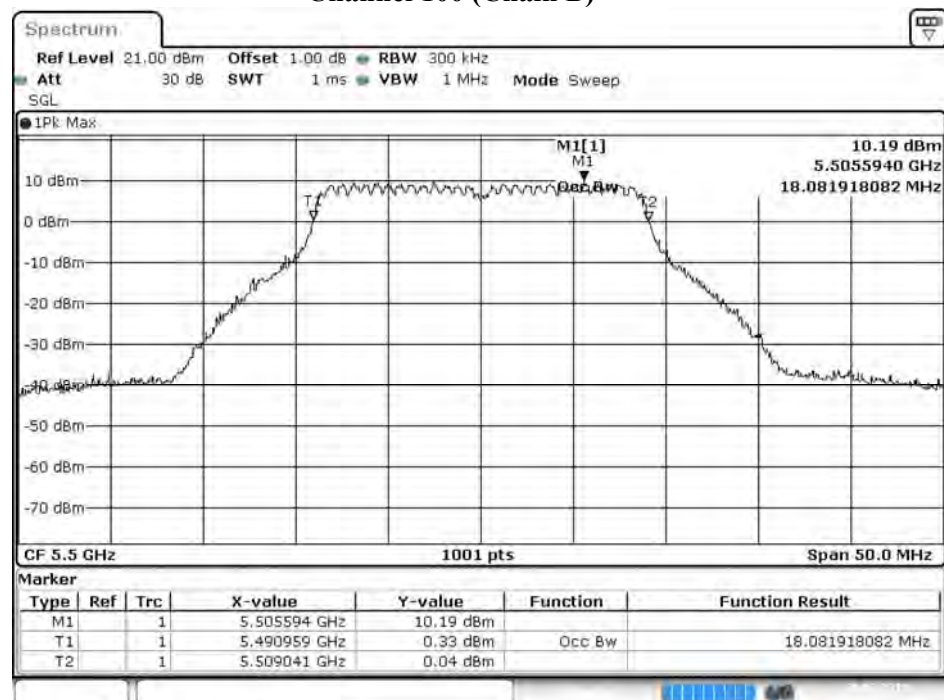


Date: 29.MAR.2019 11:54:26

Channel 100 (Chain A)

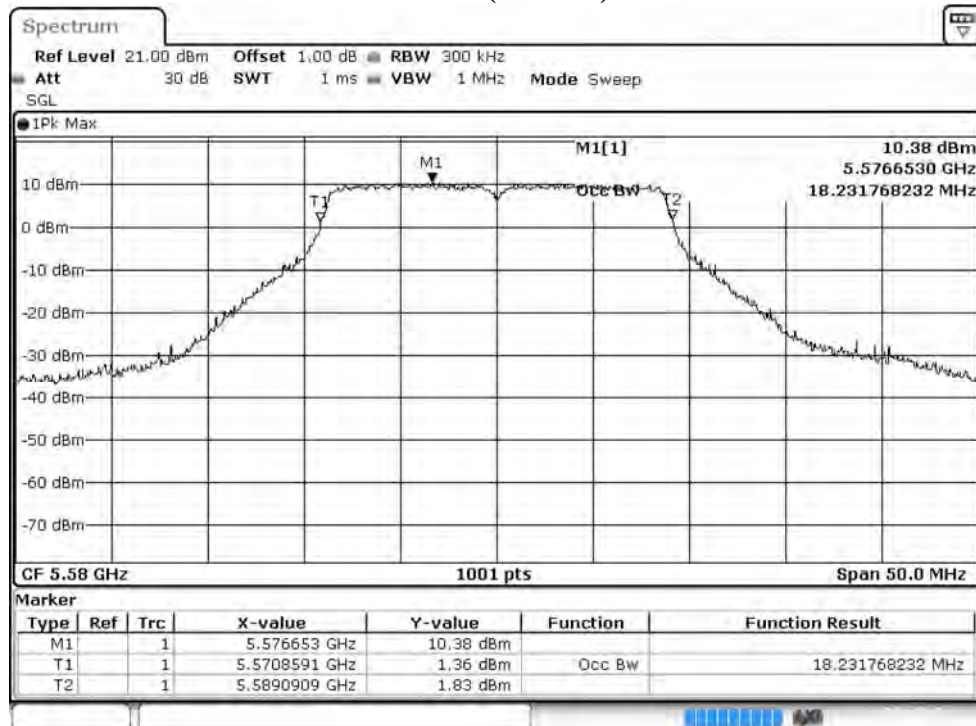


Channel 100 (Chain B)

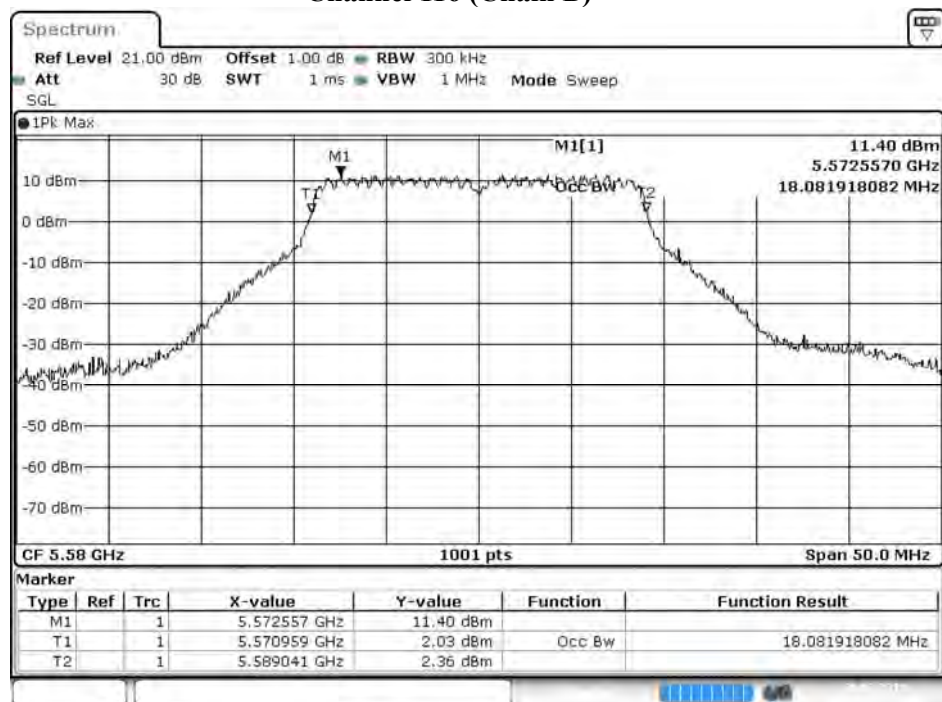


Date: 29.MAR.2019 11:55:10

Channel 116 (Chain A)

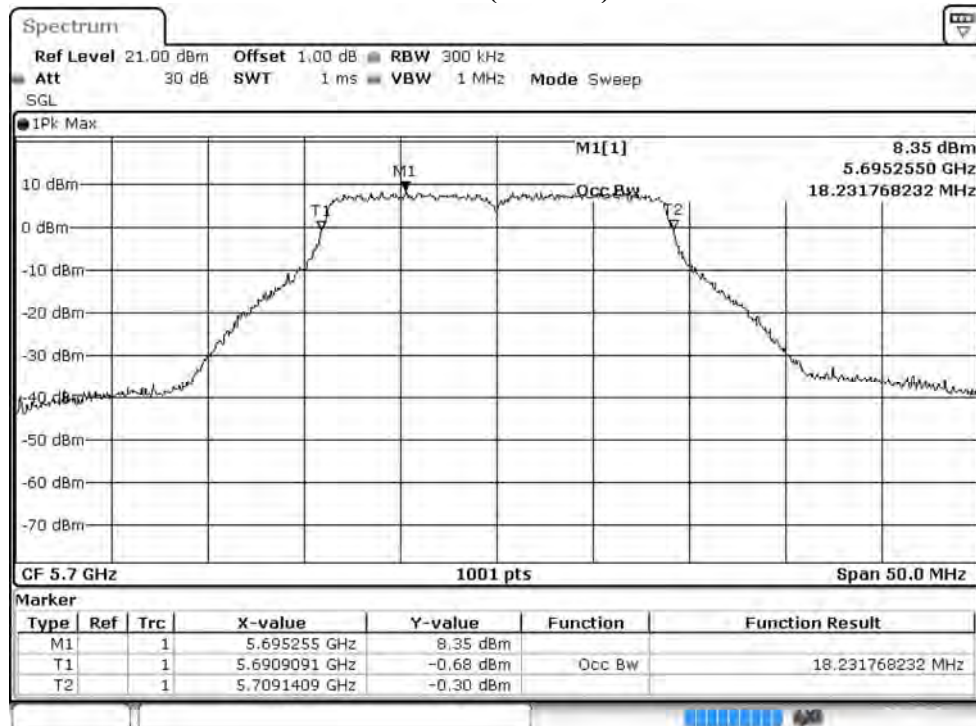


Channel 116 (Chain B)

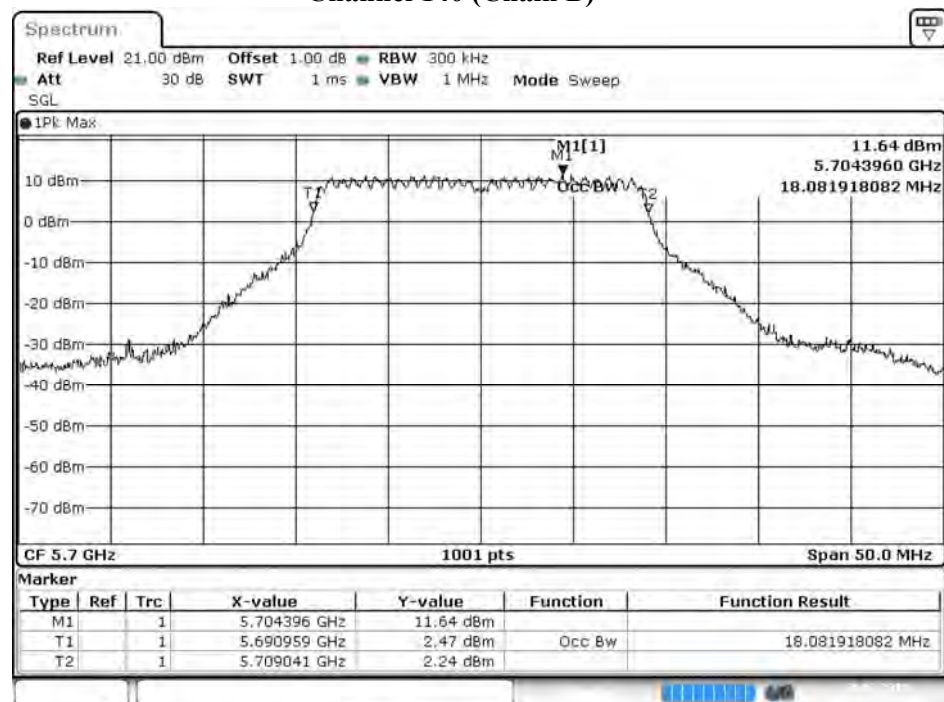


Date: 29.MAR.2019 11:55:58

Channel 140 (Chain A)

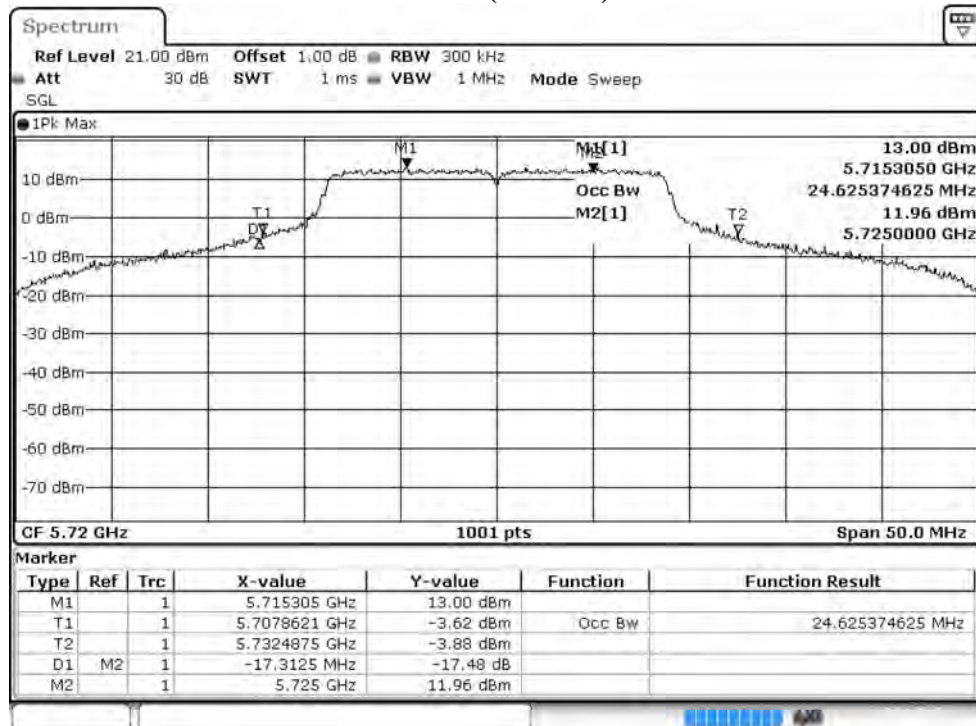


Channel 140 (Chain B)

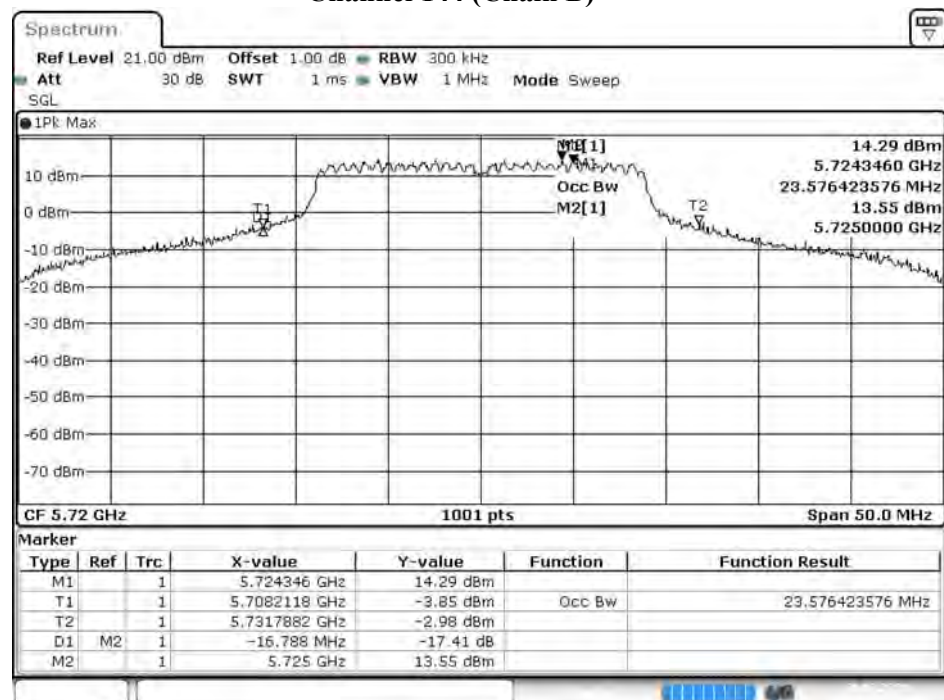


Date: 29.MAR.2019 11:56:48

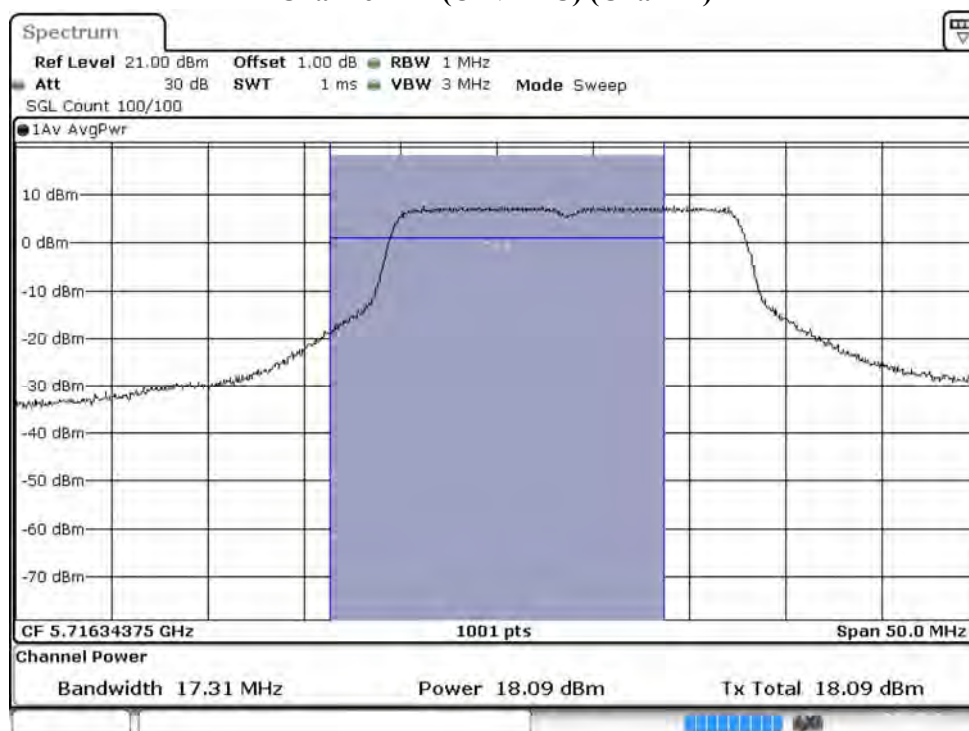
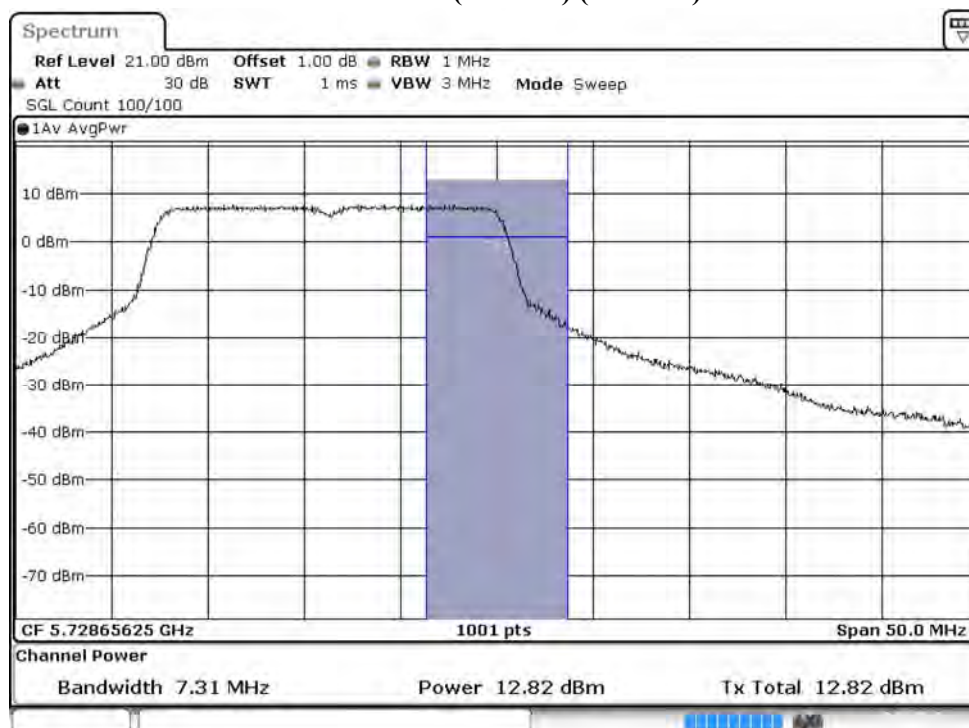
Channel 144 (Chain A)



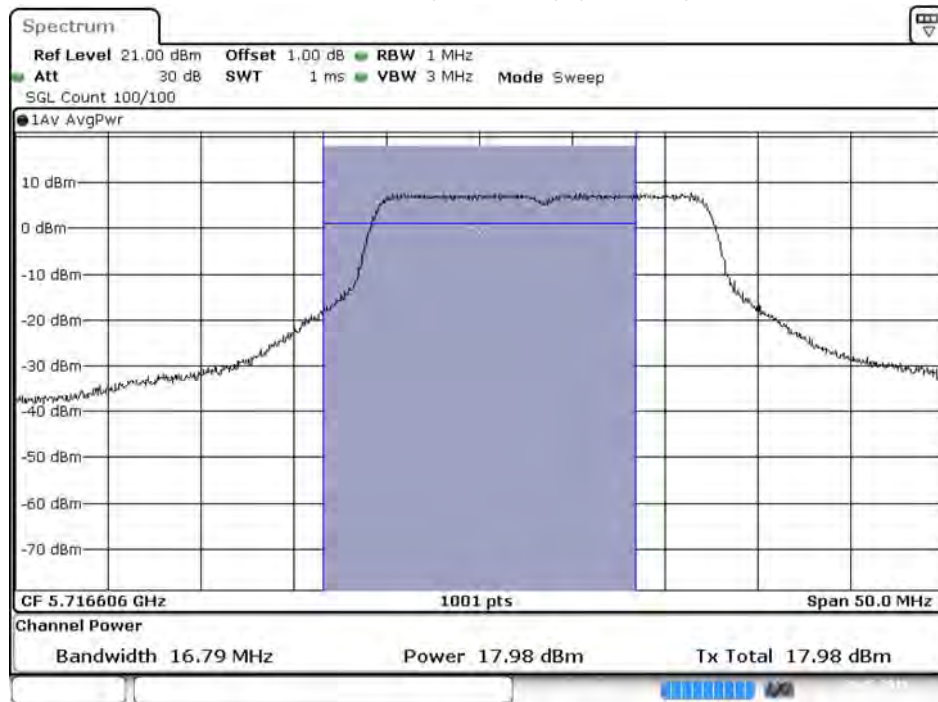
Channel 144 (Chain B)



Date: 29.MAR.2019 11:17:00

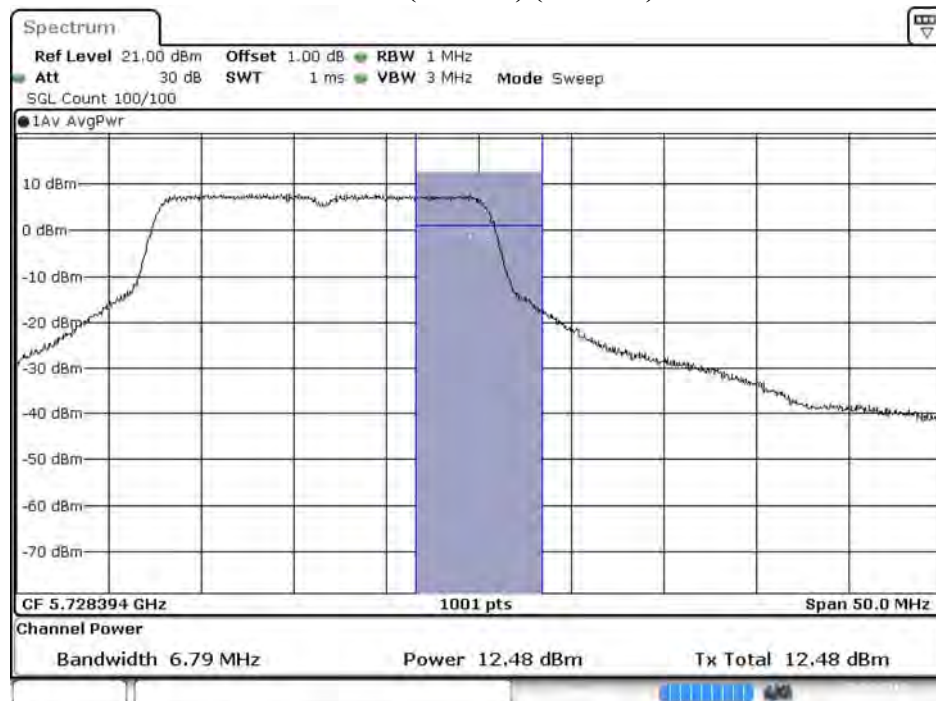
Maximum conducted output power:**Channel 144 (U-NII-2C) (Chain A)****Maximum conducted output power:****Channel 144 (U-NII-3) (Chain A)**

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



Date: 29.MAR.2019 11:17:40

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



Date: 29.MAR.2019 11:18:17

Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/29
 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	14.82	--	--	--	--	--	--	--
46	5230	14.79	14.75	14.71	14.68	14.63	14.59	14.54	14.52
54	5270	17.64	--	--	--	--	--	--	--
62	5310	14.31	14.28	14.25	14.21	14.19	14.16	14.12	14.10
102	5510	17.09	--	--	--	--	--	--	--
110	5550	18.85	18.82	18.79	18.75	18.73	18.70	18.68	18.63
134	5670	18.45	--	--	--	--	--	--	--
142(U-NII-2C)	5710	19.03	19.01	18.97	18.94	18.92	18.88	18.84	18.82
142(U-NII-3)	5710	8.89	8.85	8.82	8.78	8.74	8.71	8.67	8.63
151	5755	19.11	--	--	--	--	--	--	--
159	5795	19.35	19.31	19.28	19.23	19.20	19.17	19.13	19.10

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	14.67	--	--	--	--	--	--	--
46	5230	14.62	14.59	14.56	14.53	14.51	14.47	14.43	14.41
54	5270	17.84	--	--	--	--	--	--	--
62	5310	14.21	14.18	14.15	14.11	14.09	14.05	14.03	13.99
102	5510	16.81	--	--	--	--	--	--	--
110	5550	18.52	18.49	18.45	18.42	18.38	18.34	18.31	18.27
134	5670	18.47	--	--	--	--	--	--	--
142(U-NII-2C)	5710	18.67	18.63	18.59	18.56	18.51	18.48	18.44	18.38
142(U-NII-3)	5710	8.54	8.51	8.48	8.46	8.42	8.38	8.36	8.32
151	5755	19.21	--	--	--	--	--	--	--
159	5795	19.15	19.12	19.09	19.06	19.02	19.00	18.97	18.95

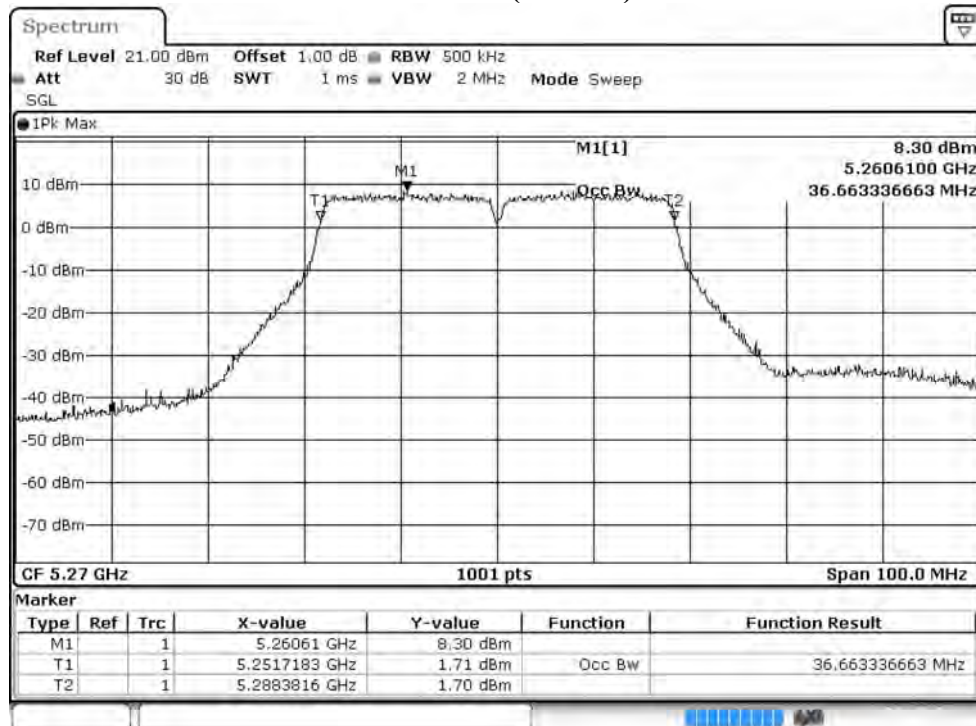
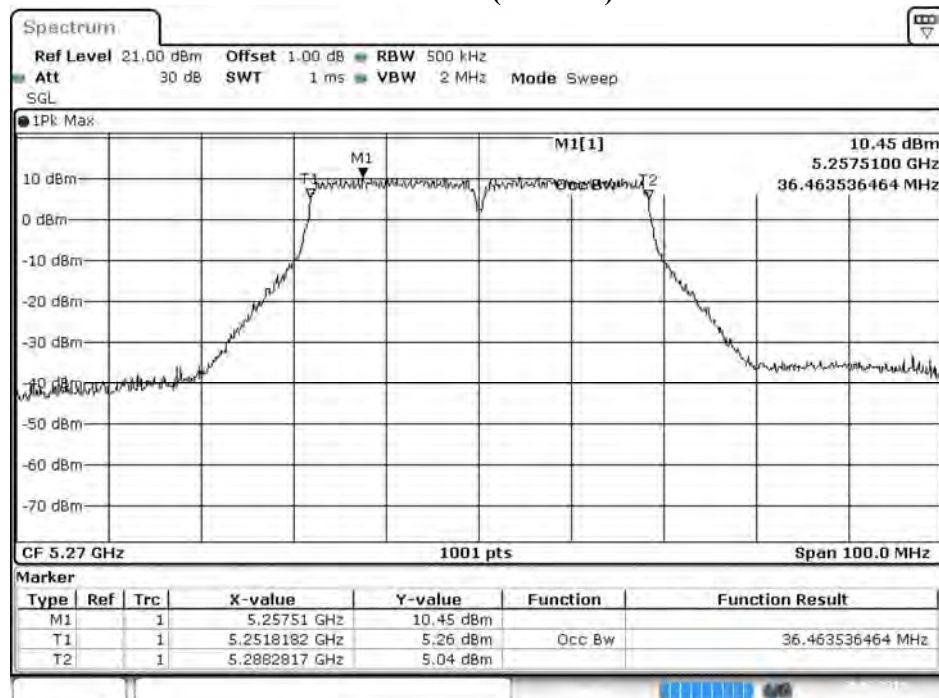
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
38	5190	--	14.82	14.67	17.76	24	--	Pass
46	5230	--	14.79	14.62	17.72	24	--	Pass
54	5270	36.463	17.64	17.84	20.75	24	26.62	Pass
62	5310	36.363	14.31	14.21	17.27	24	26.61	Pass
102	5510	36.363	17.09	16.81	19.96	24	26.61	Pass
110	5550	36.463	18.85	18.52	21.70	24	26.62	Pass
134	5670	36.363	18.45	18.47	21.47	24	26.61	Pass
142(U-NII-2C)	5710	33.281	19.03	18.67	21.86	24	26.22	Pass
142(U-NII-3)	5710	--	8.89	8.54	11.73	30	--	Pass
151	5755	--	19.11	19.21	22.17	30	--	Pass
159	5795	--	19.35	19.15	22.26	30	--	Pass

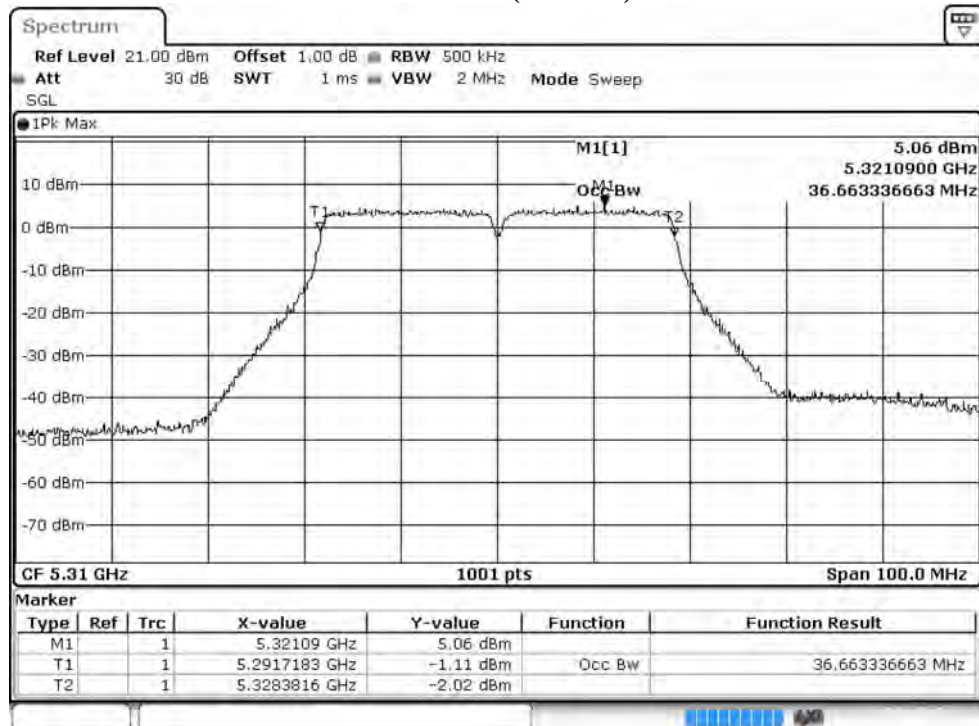
Note:

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.

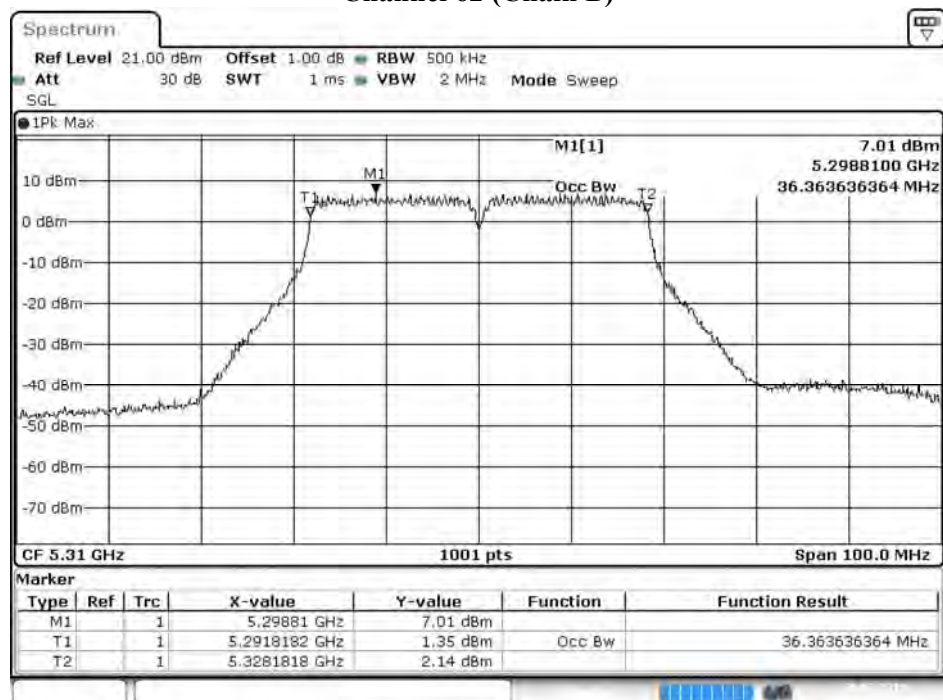
99% Occupied Bandwidth:**Channel 54 (Chain A)****Channel 54 (Chain B)**

Date: 29.MAR.2019 12:21:16

Channel 62 (Chain A)

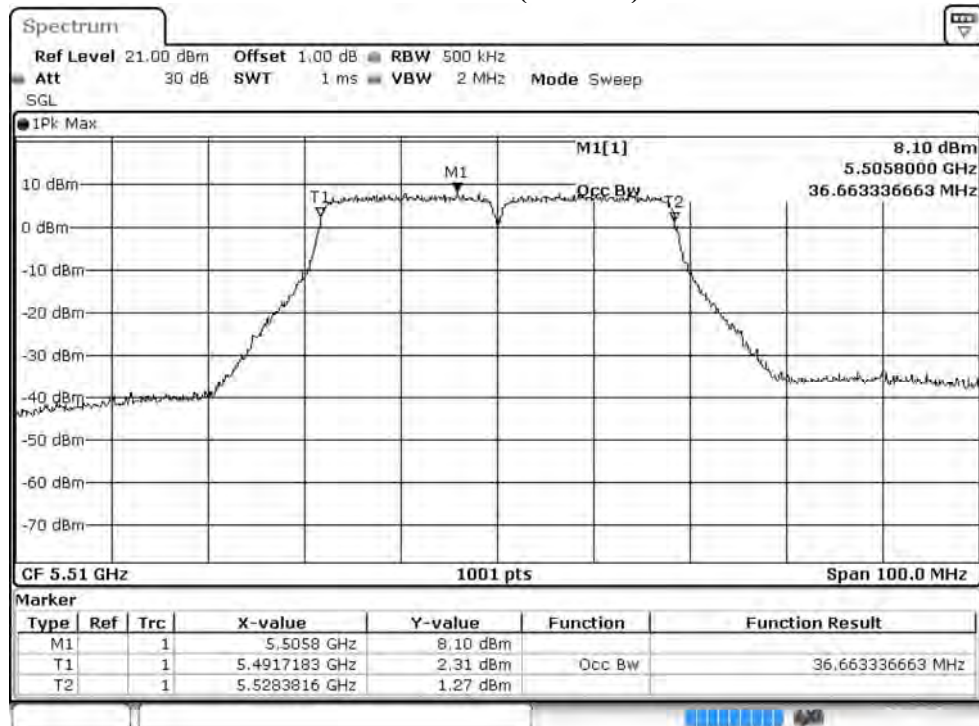


Channel 62 (Chain B)

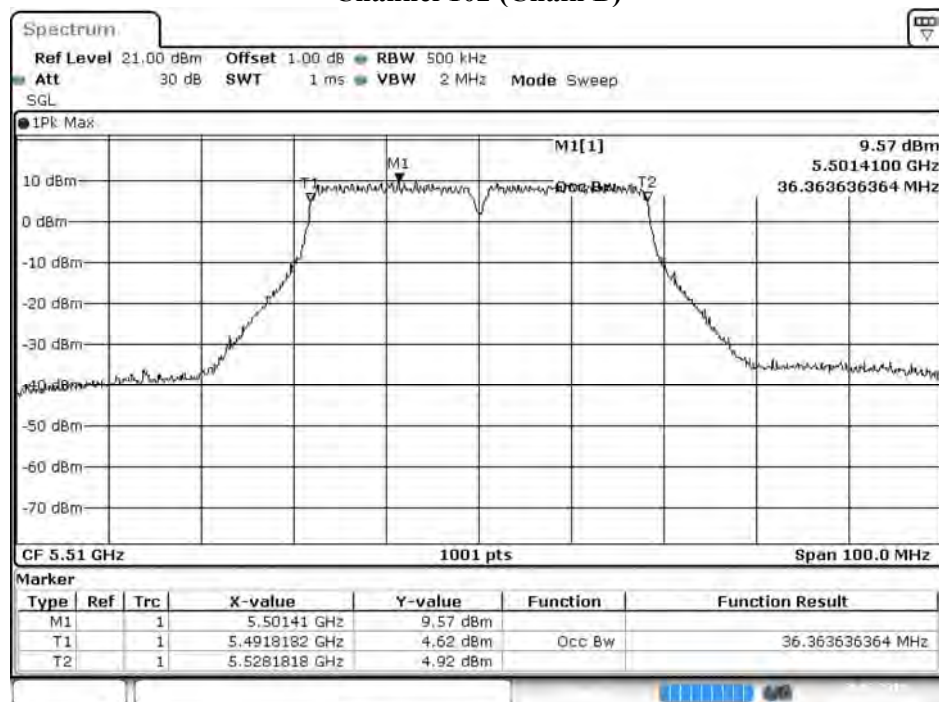


Date: 29.MAR.2019 12:22:26

Channel 102 (Chain A)

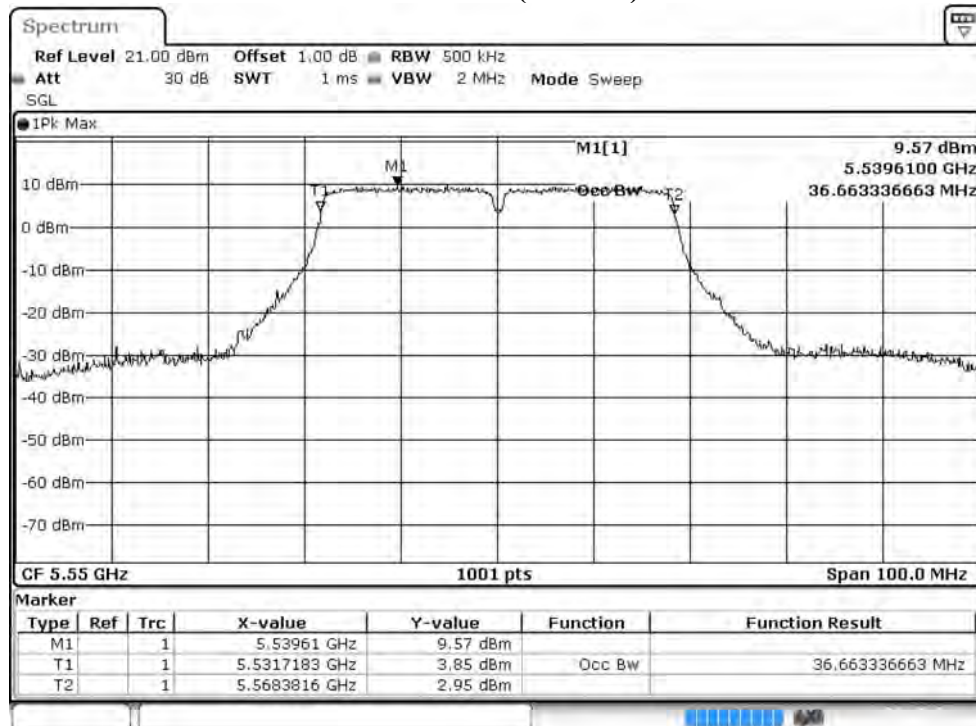


Channel 102 (Chain B)

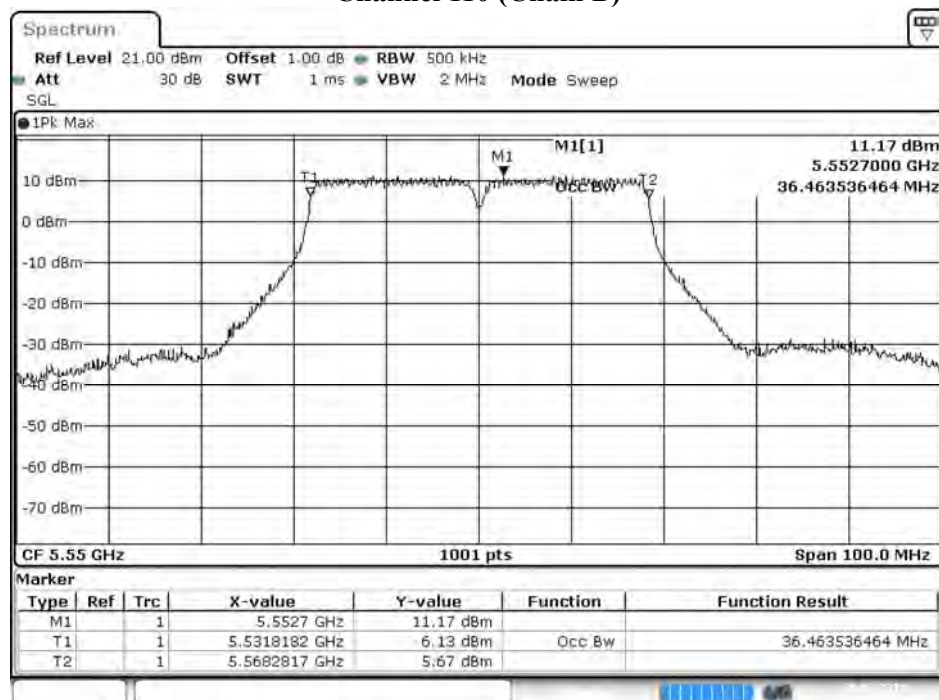


Date: 29.MAR.2019 12:23:12

Channel 110 (Chain A)

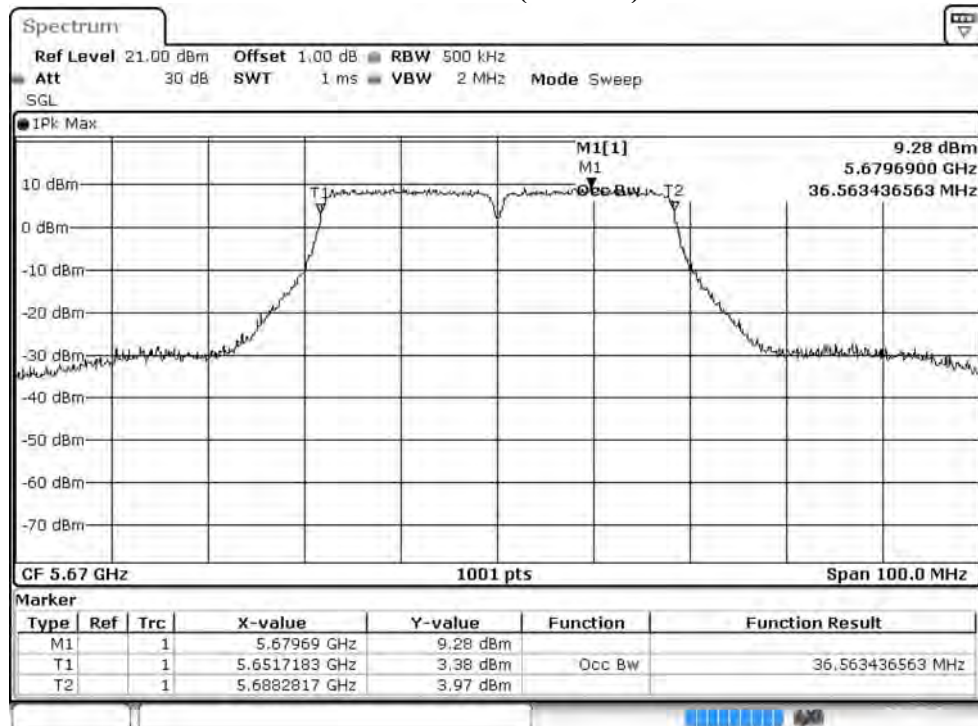


Channel 110 (Chain B)

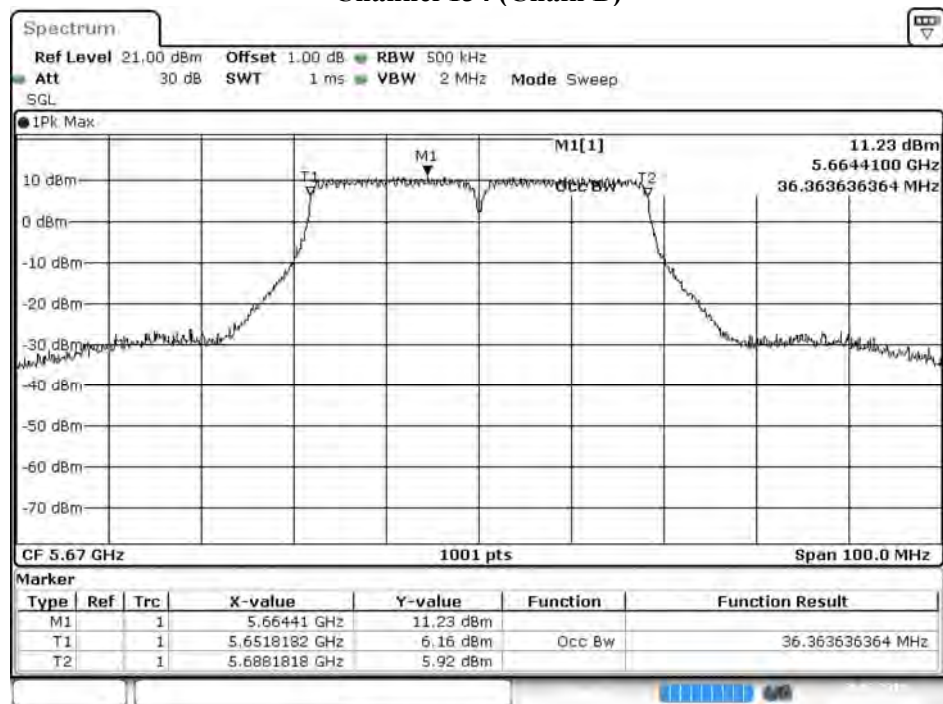


Date: 29.MAR.2019 12:24:00

Channel 134 (Chain A)

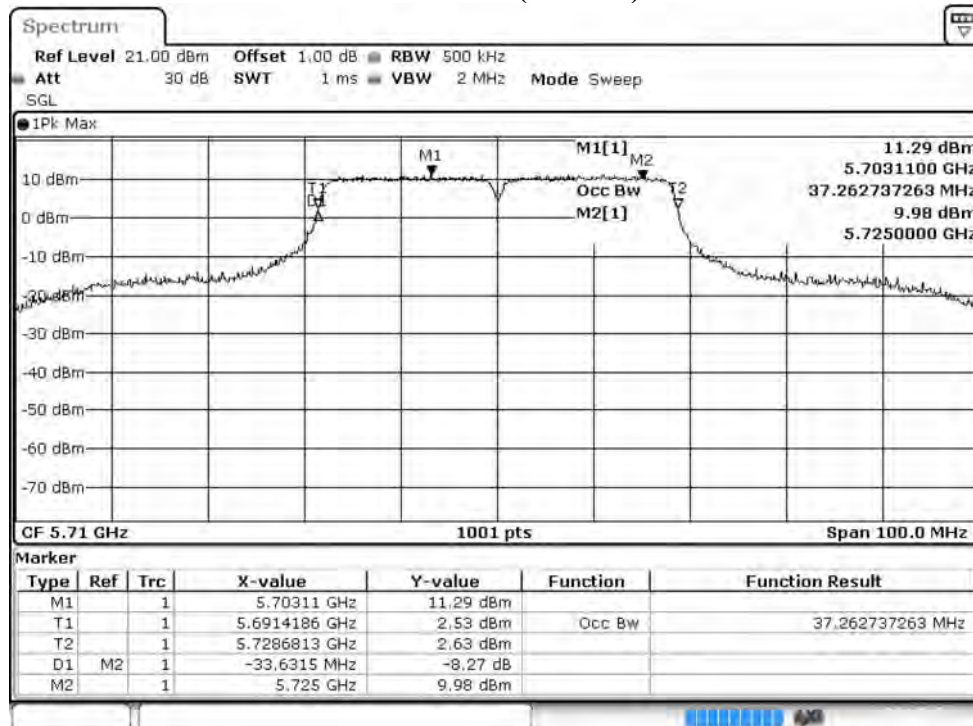


Channel 134 (Chain B)

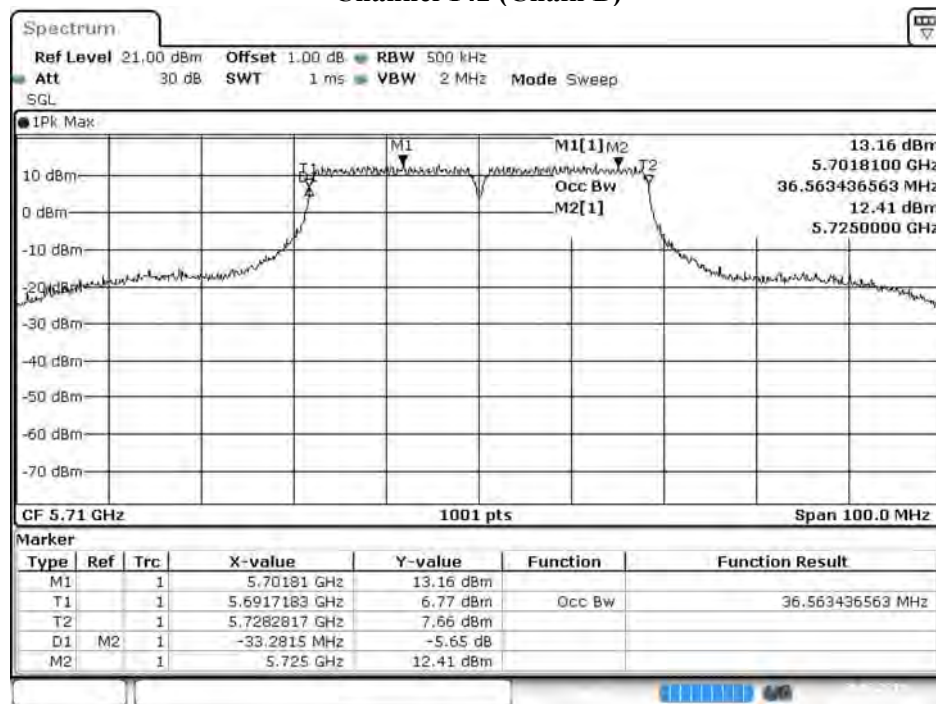


Date: 29.MAR.2019 12:24:52

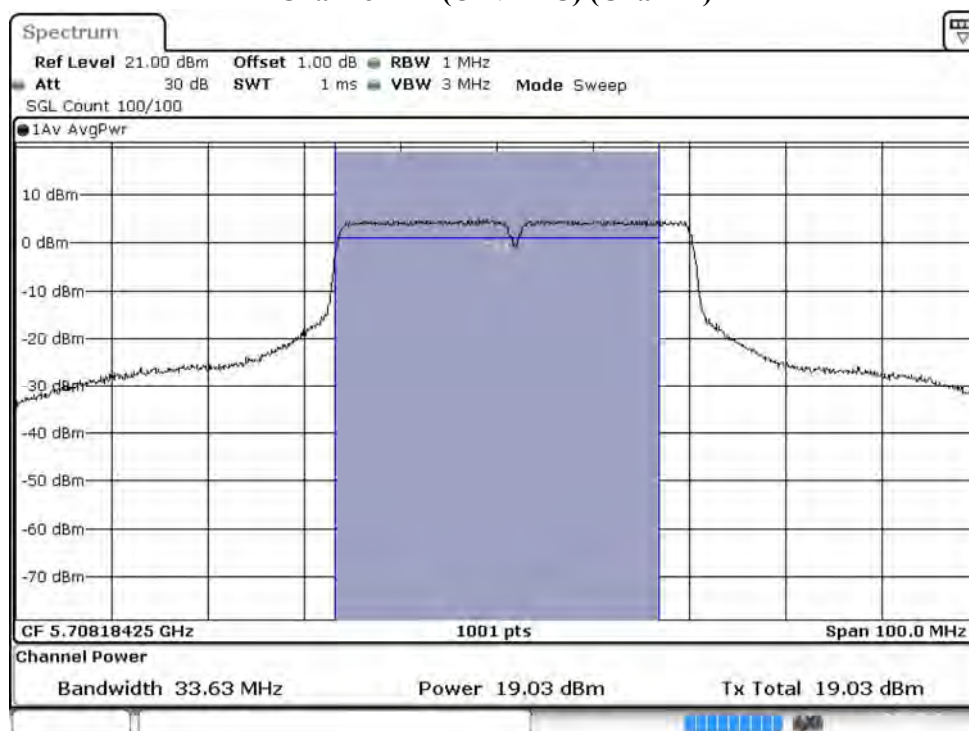
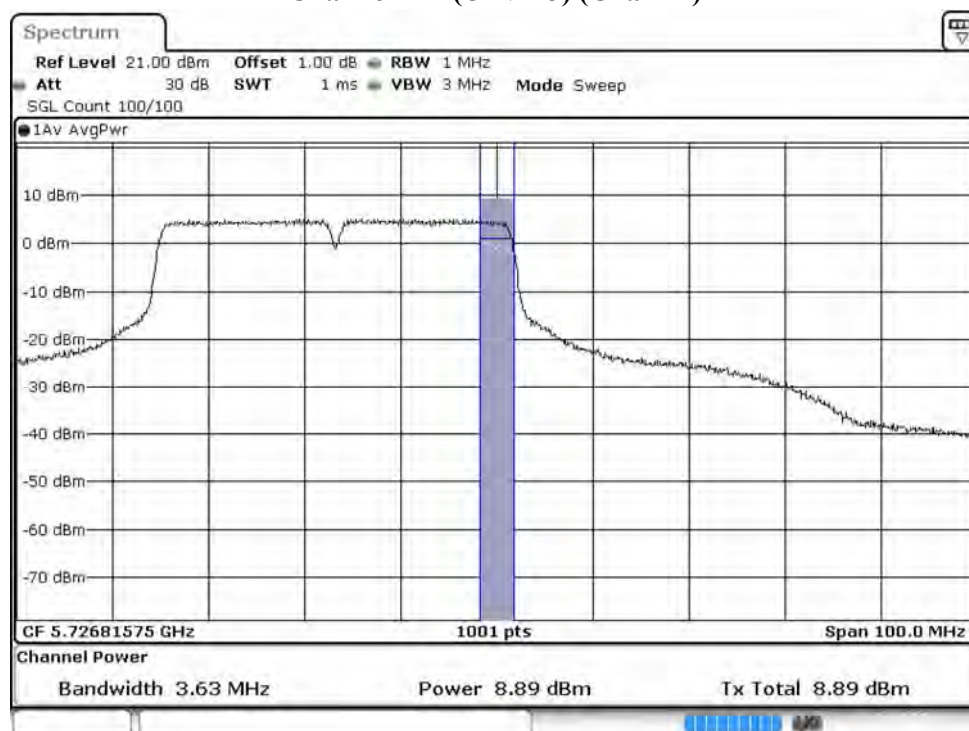
Channel 142 (Chain A)



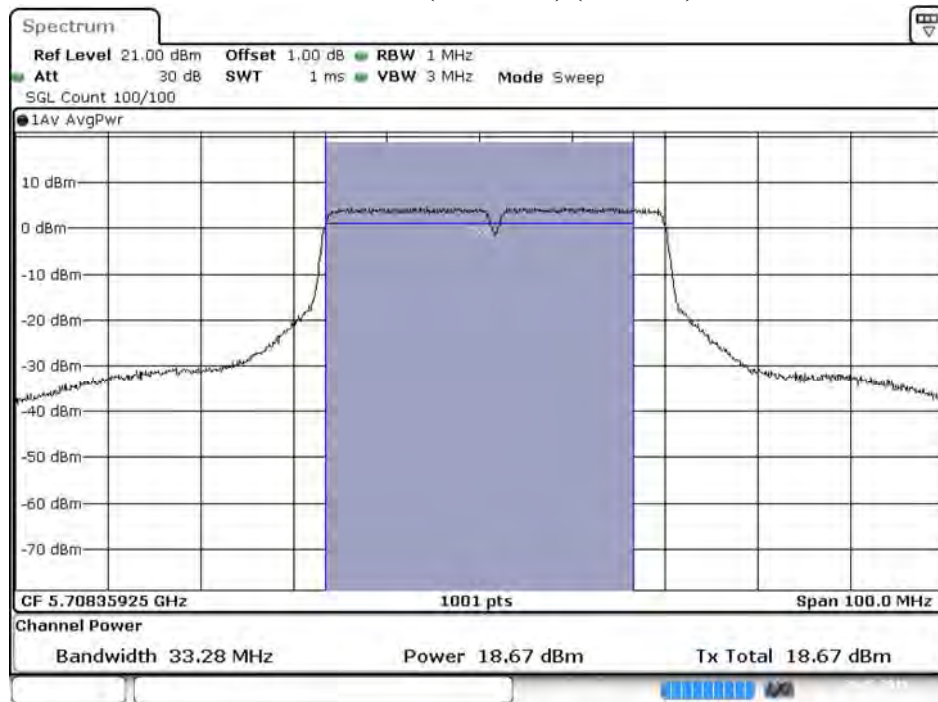
Channel 142 (Chain B)



Date: 29.MAR.2019 11:22:16

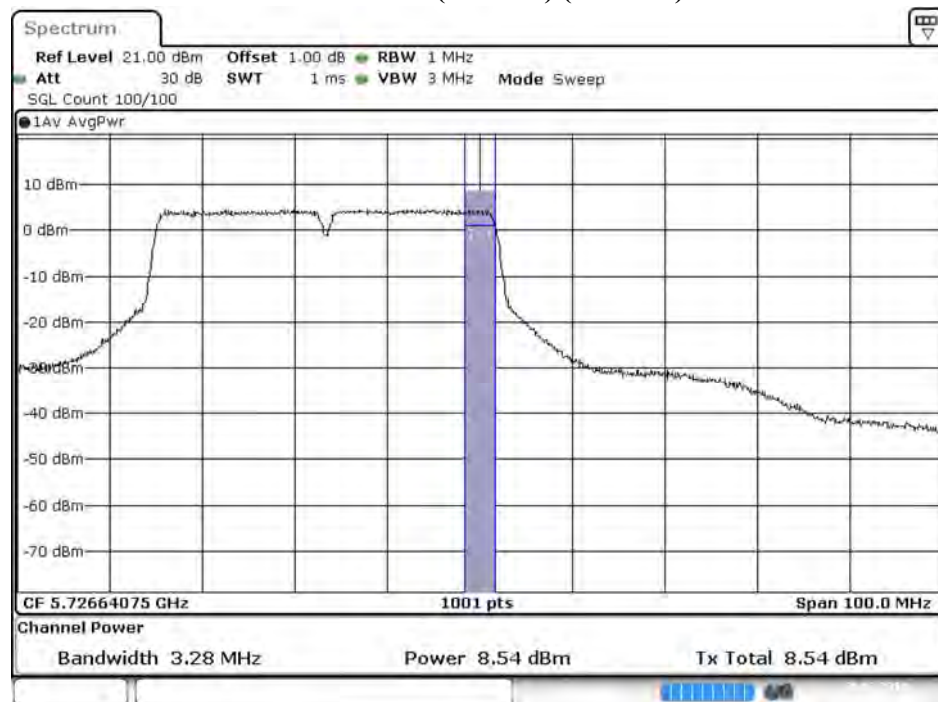
Maximum conducted output power:**Channel 142 (U-NII-2C) (Chain A)****Maximum conducted output power:****Channel 142 (U-NII-3) (Chain A)**

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



Date: 29.MAR.2019 11:22:56

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



Date: 29.MAR.2019 11:23:34

Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/29
 Test Mode : Mode 21 MIMO: Transmit (802.11ac-80BW_65Mbps)

Chain A

Cable loss=1.0dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		65	130	1965	260	390	520	585	650	780	866.7
42	5210	14.72	14.69	14.65	14.67	14.58	14.54	14.51	14.48	14.43	14.41
58	5290	15.32	15.28	15.25	15.21	15.17	15.14	15.11	15.07	15.03	15.00
106	5530	16.73	--	--	--	--	--	--	--	--	--
122	5610	18.16	18.13	18.08	18.04	18.00	17.97	17.95	17.89	17.84	17.81
138 (U-NII-2C)	5690	19.29	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	2.13	--	--	--	--	--	--	--	--	--
155	5775	17.57	17.55	17.51	17.48	17.46	17.42	17.39	17.35	17.33	17.30

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)									
		65	130	1965	260	390	520	585	650	780	866.7
42	5210	14.73	14.71	14.68	14.65	14.63	14.61	14.58	14.56	14.53	14.50
58	5290	15.72	15.69	15.66	15.63	15.61	15.58	15.54	15.51	15.48	15.56
106	5530	16.84	--	--	--	--	--	--	--	--	--
122	5610	18.11	18.08	18.05	18.02	17.99	17.97	17.95	17.91	17.88	17.84
138 (U-NII-2C)	5690	19.15	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	2.01	--	--	--	--	--	--	--	--	--
155	5775	17.45	17.42	17.39	17.36	17.34	17.30	17.28	17.24	17.21	17.17

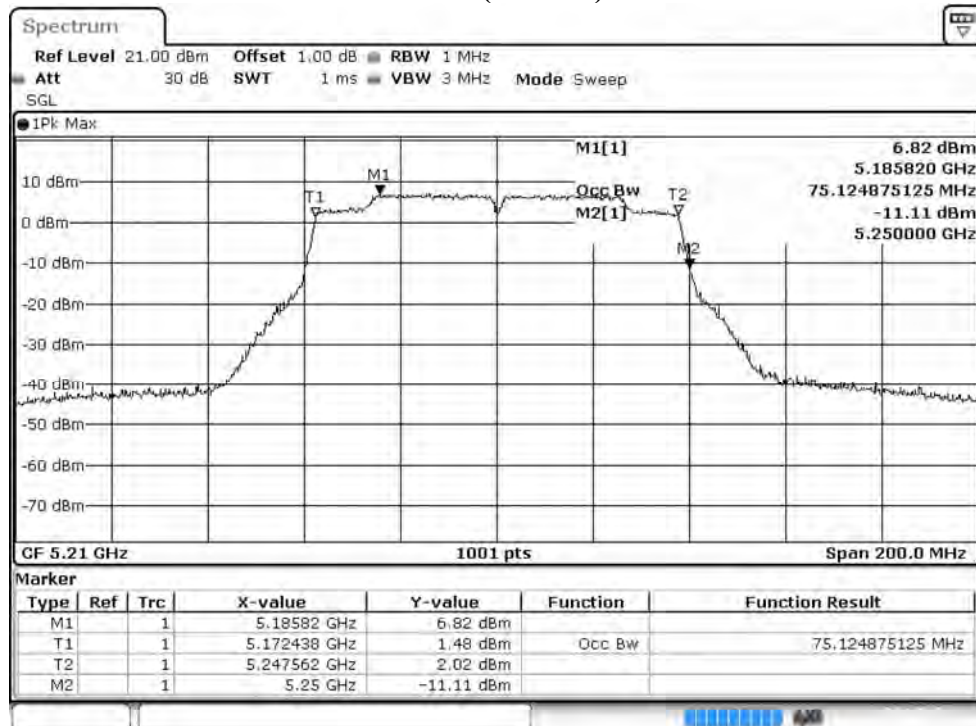
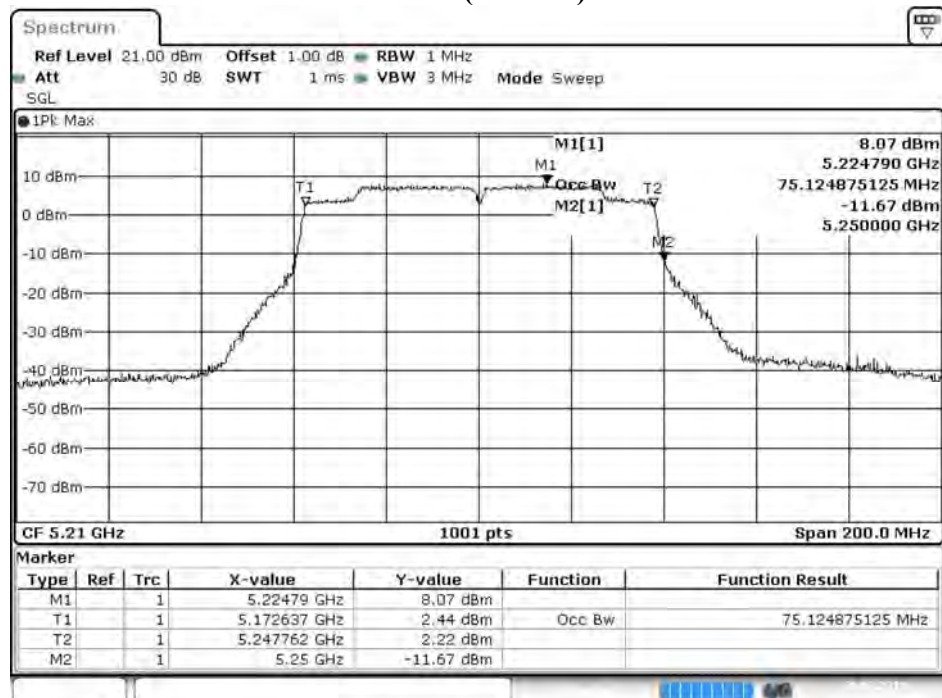
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

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)	
42	5210	--	14.72	14.73	17.74	24	--	Pass
58	5290	74.925	15.32	15.72	18.53	24	29.75	Pass
106	5530	75.124	16.73	16.84	19.80	24	29.76	Pass
122	5610	74.925	18.16	18.11	21.15	24	29.75	Pass
138 (U-NII-2C)	5690	72.663	19.29	19.15	22.23	24	29.61	Pass
138 (U-NII-3)	5690	--	2.13	2.01	5.08	30	--	Pass
155	5775	--	17.57	17.45	20.52	30	--	Pass

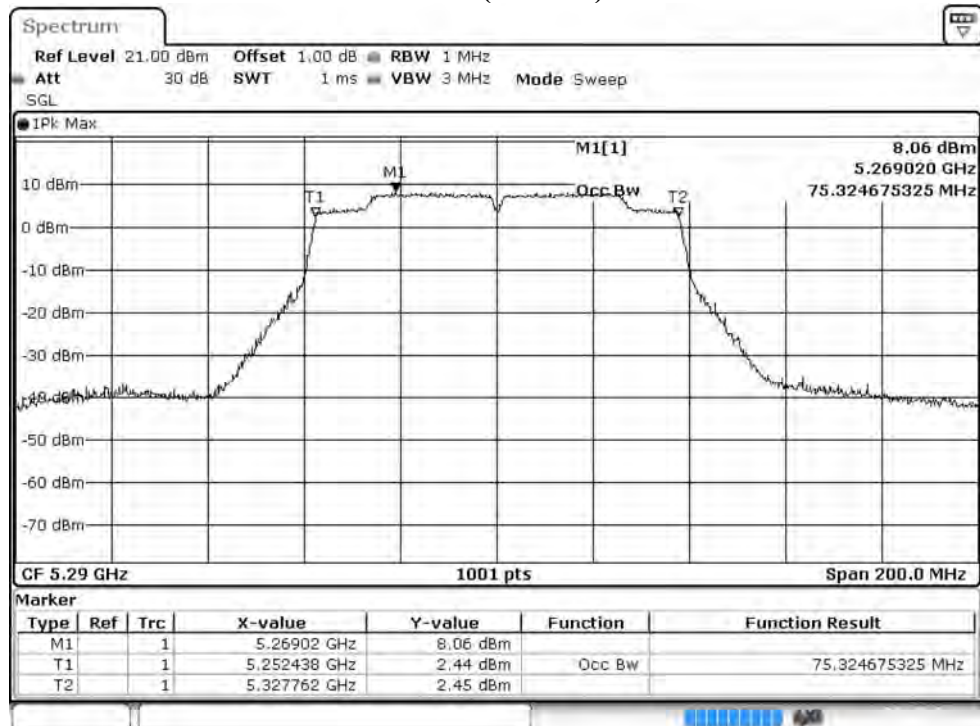
Note:

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.

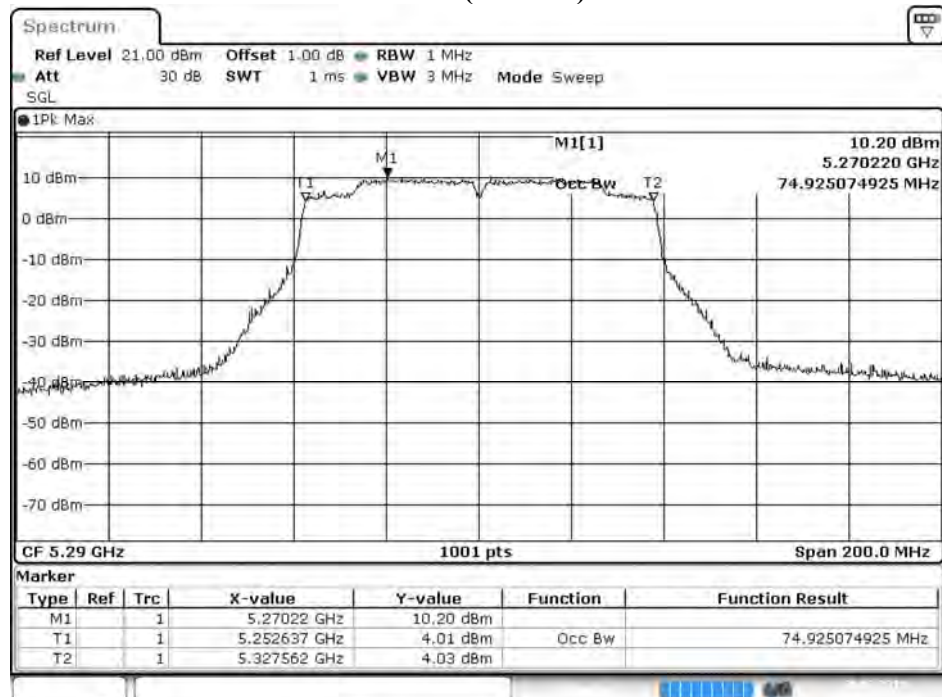
99% Occupied Bandwidth:**Channel 42 (Chain A)****Channel 42 (Chain B)**

Date: 29.MAR.2019 11:25:05

Channel 58 (Chain A)

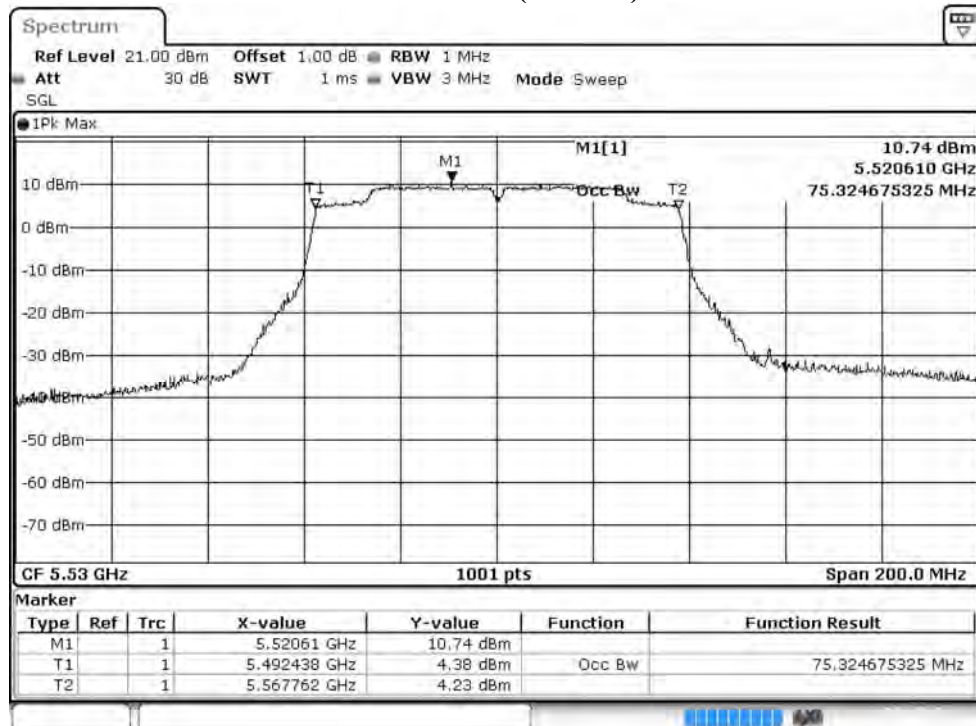


Channel 58 (Chain B)

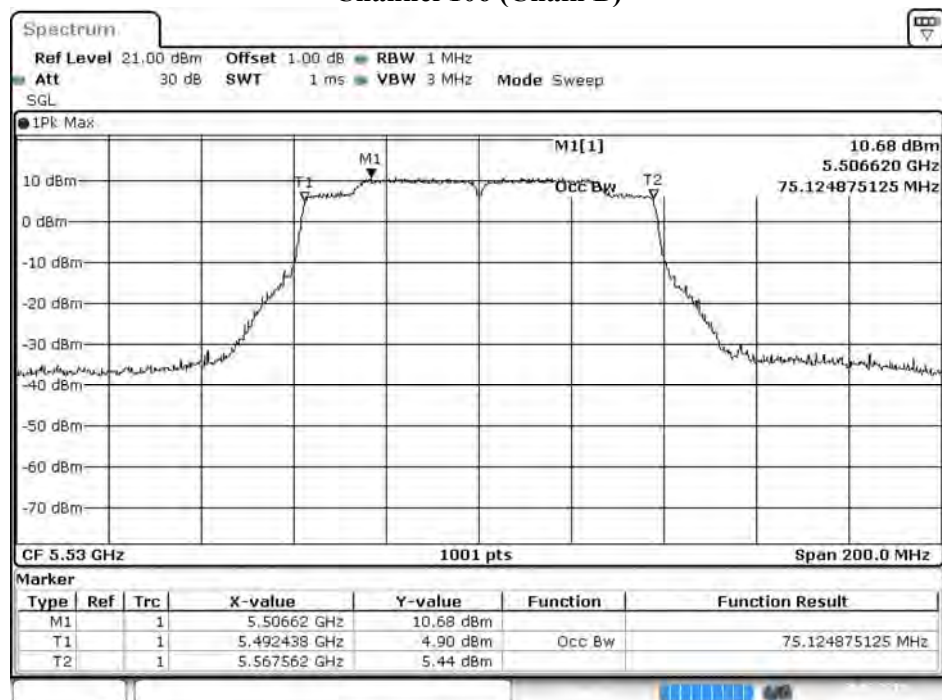


Date: 29.MAR.2019 11:28:28

Channel 106 (Chain A)

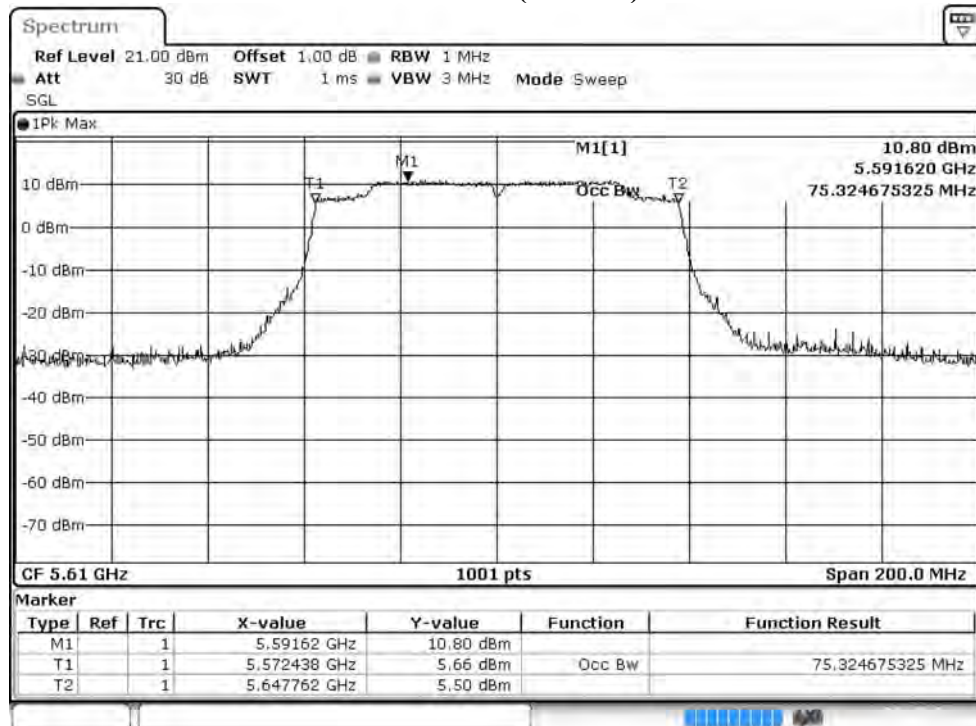


Channel 106 (Chain B)

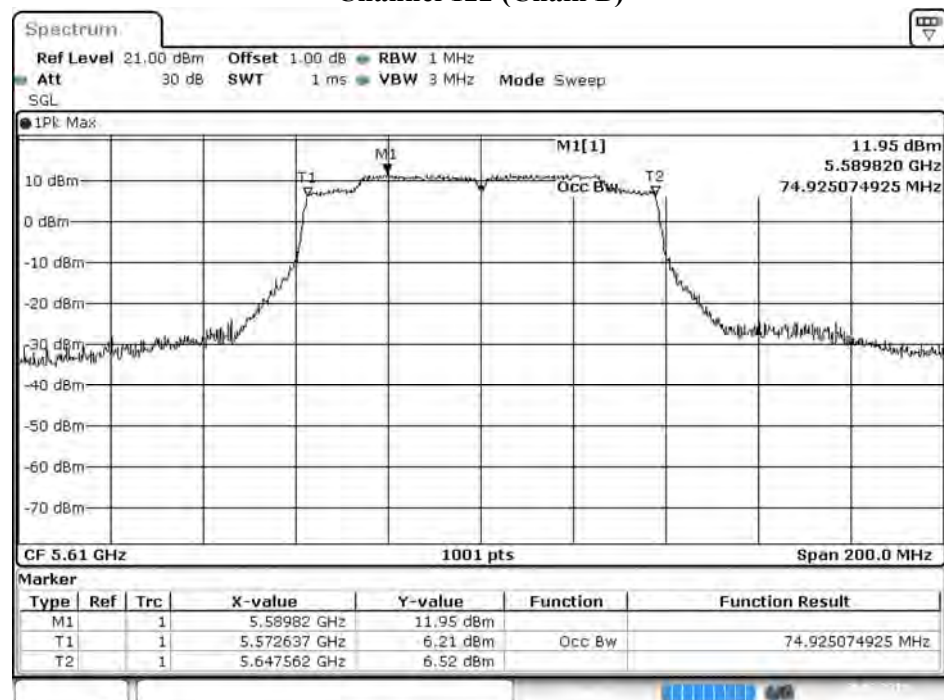


Date: 29.MAR.2019 11:30:45

Channel 122 (Chain A)

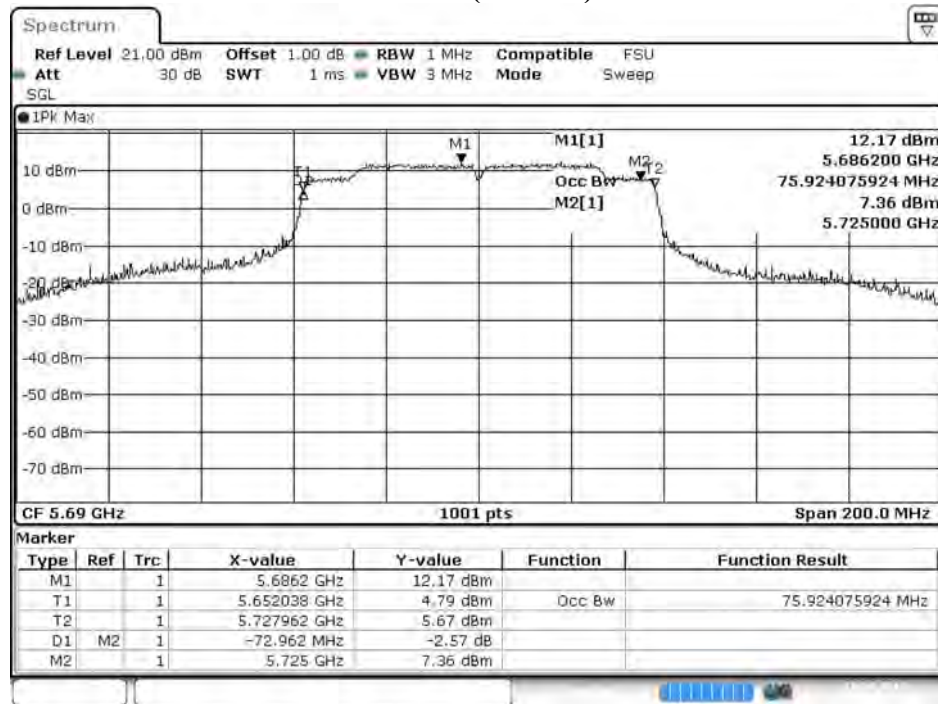


Channel 122 (Chain B)



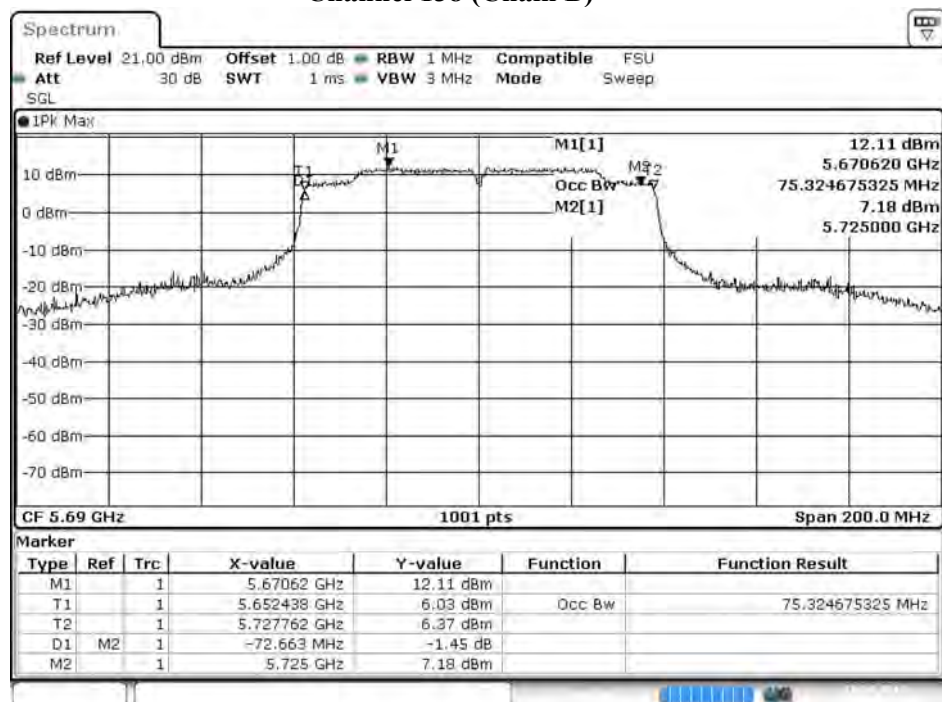
Date: 29.MAR.2019 13:20:43

Channel 138 (Chain A)



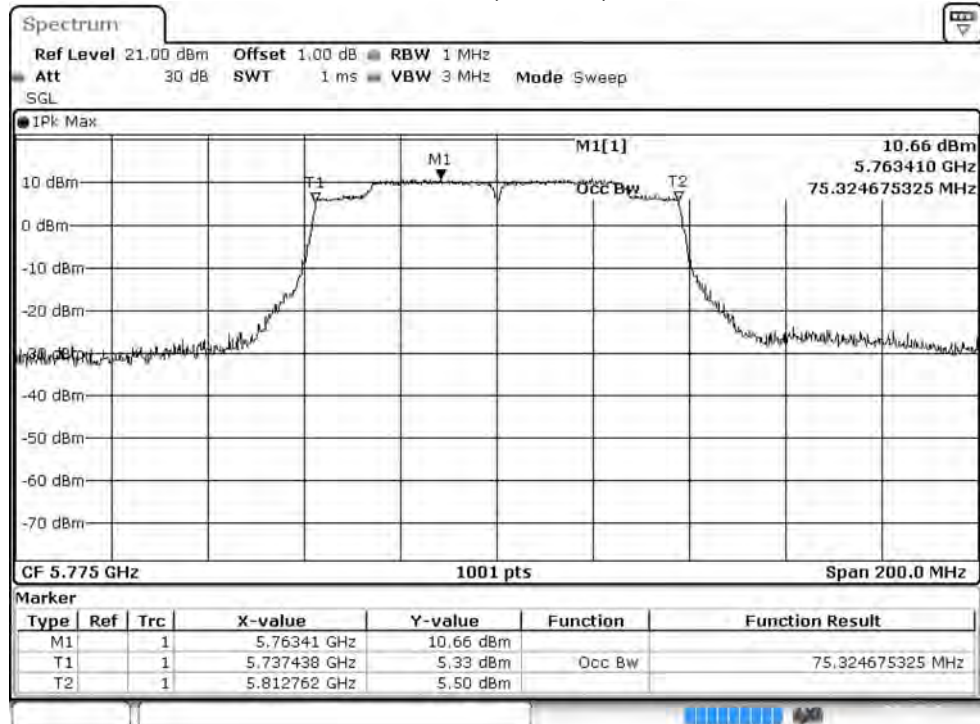
Date: 19. APR. 2019 10:04:55

Channel 138 (Chain B)

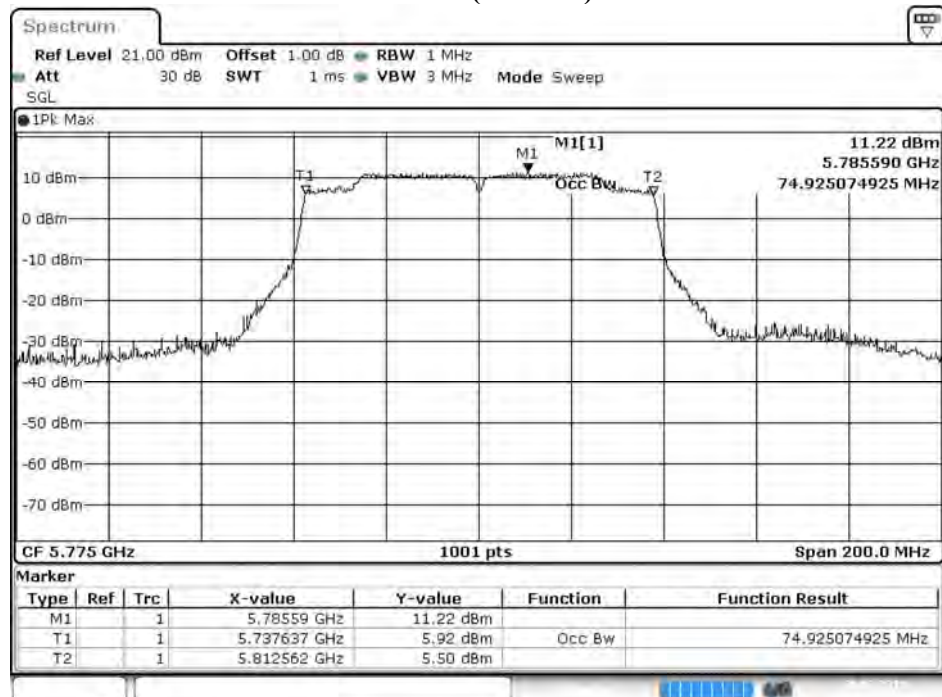


Date: 19. APR. 2019 10:05:54

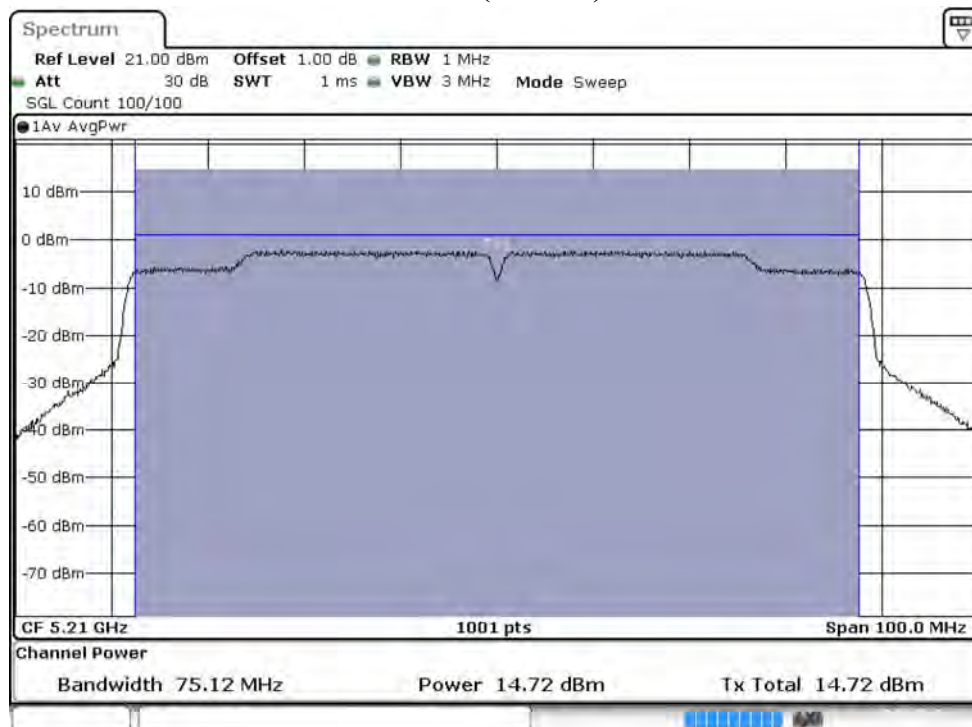
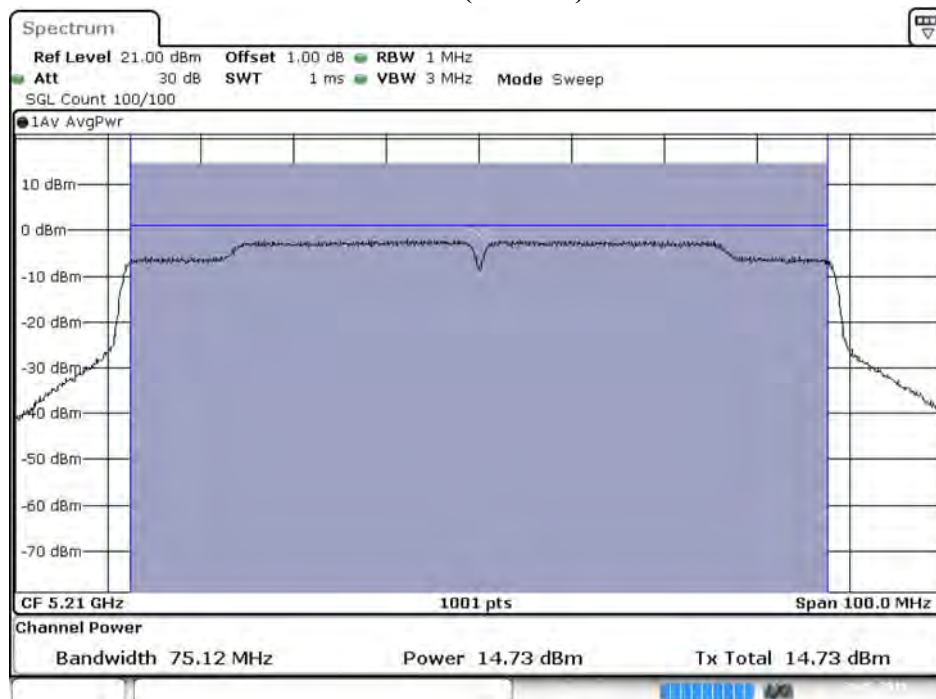
Channel 155 (Chain A)



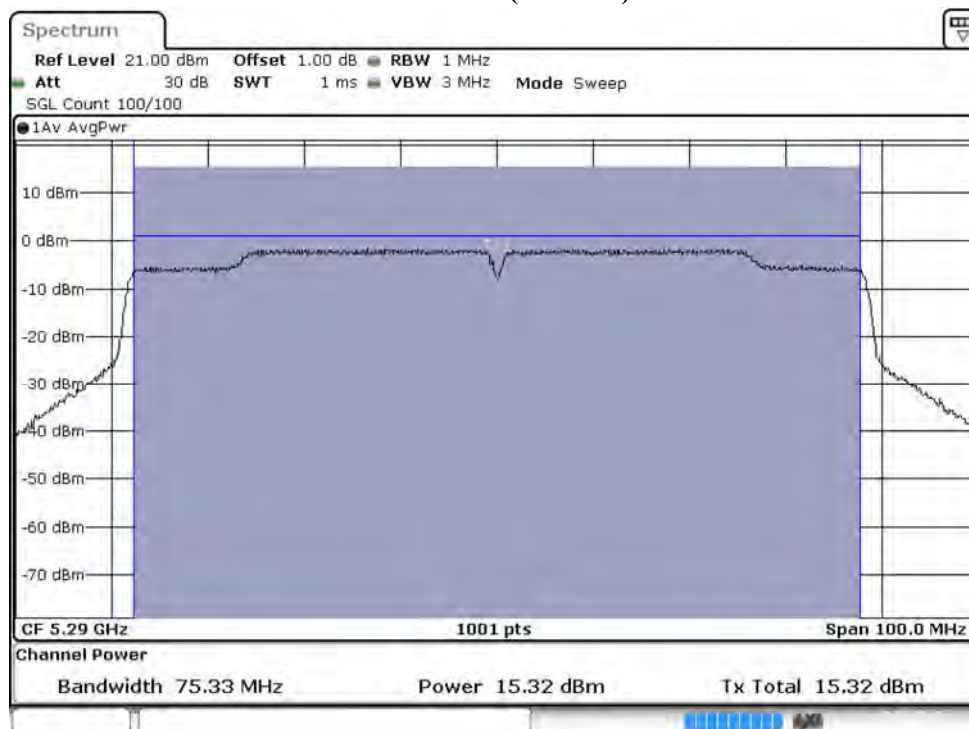
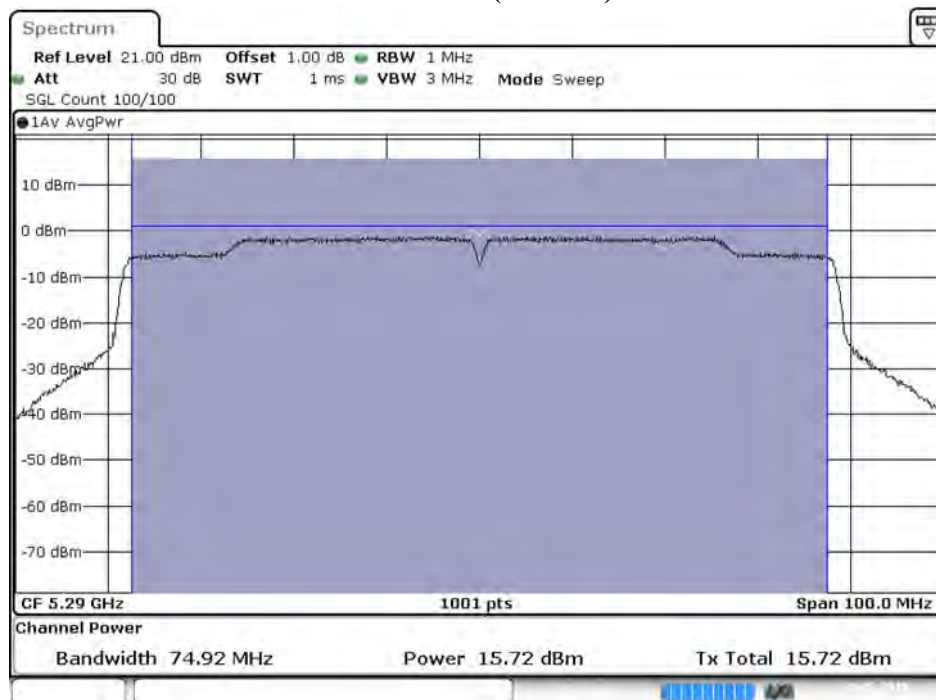
Channel 155 (Chain B)



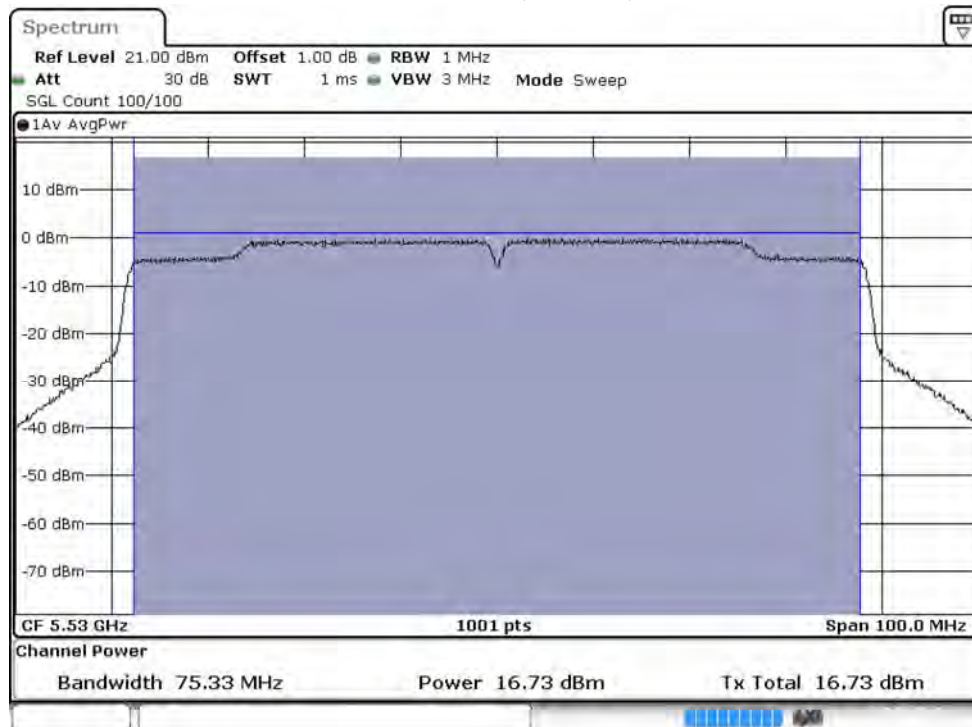
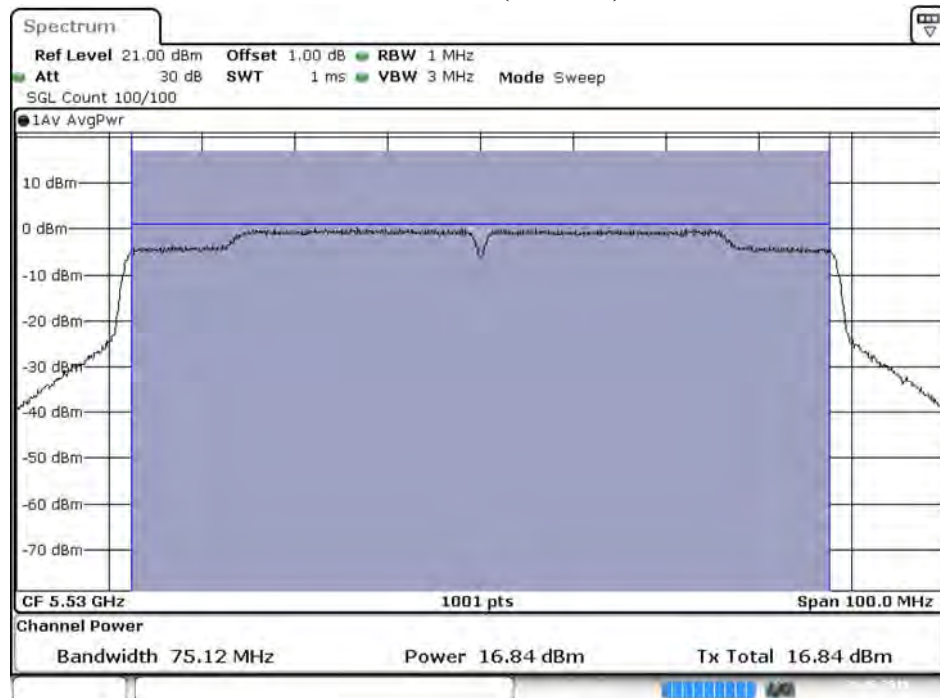
Date: 29.MAR.2019 13:22:51

Maximum conducted output power:**Channel 42 (Chain A)****Maximum conducted output power:****Channel 42 (Chain B)**

Date: 29.MAR.2019 11:25:45

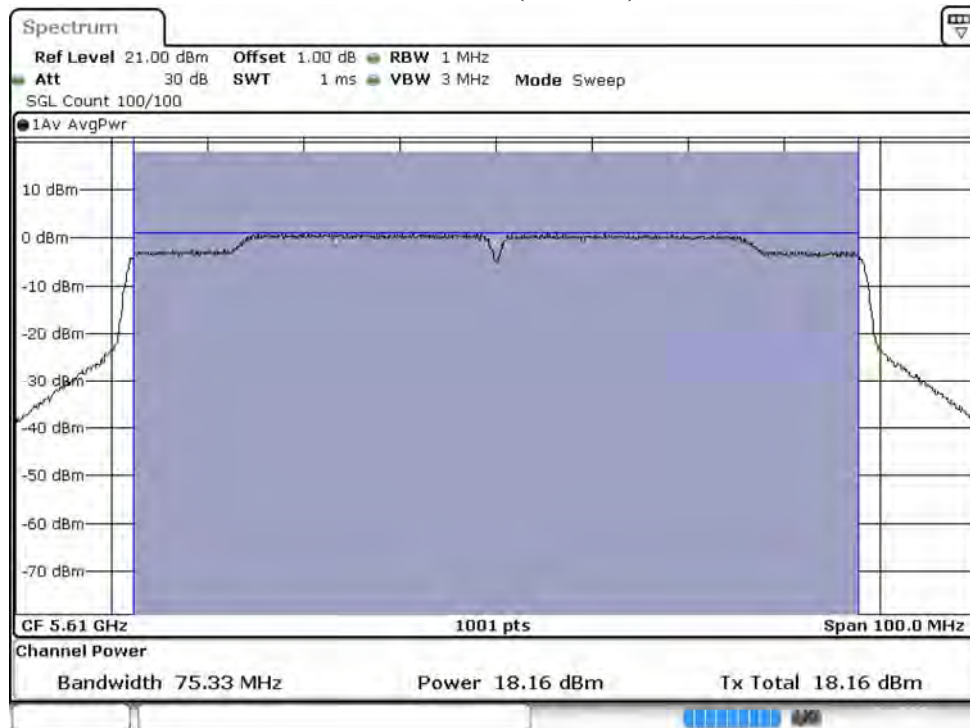
Maximum conducted output power:**Channel 58 (Chain A)****Maximum conducted output power:****Channel 58 (Chain B)**

Date: 29.MAR.2019 11:29:08

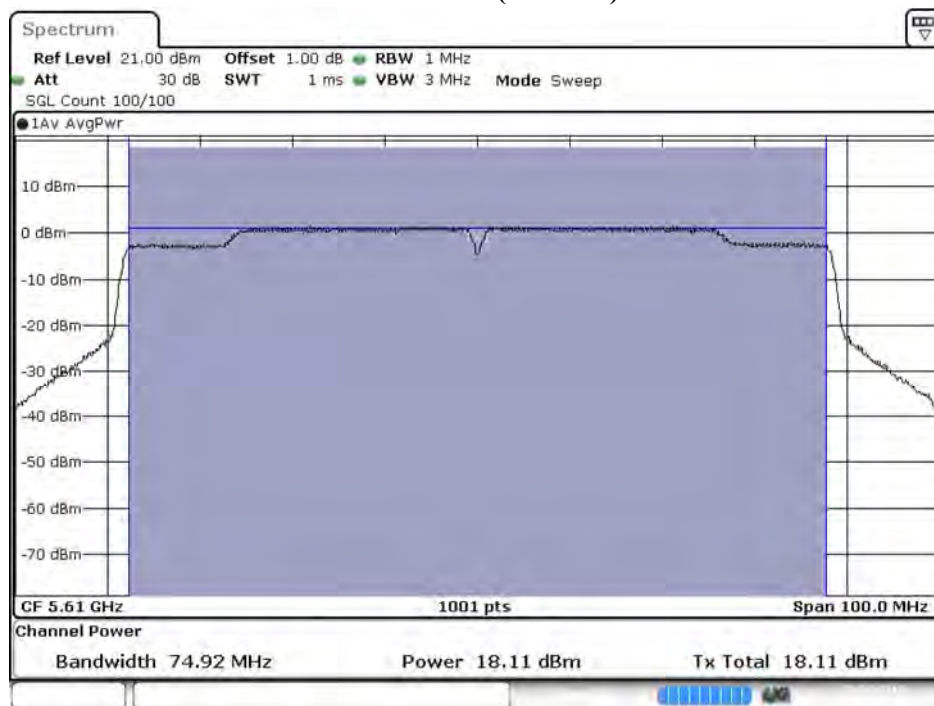
Maximum conducted output power:**Channel 106 (Chain A)****Maximum conducted output power:****Channel 106 (Chain B)**

Date: 29.MAR.2019 11:31:25

Maximum conducted output power:
Channel 122 (Chain A)

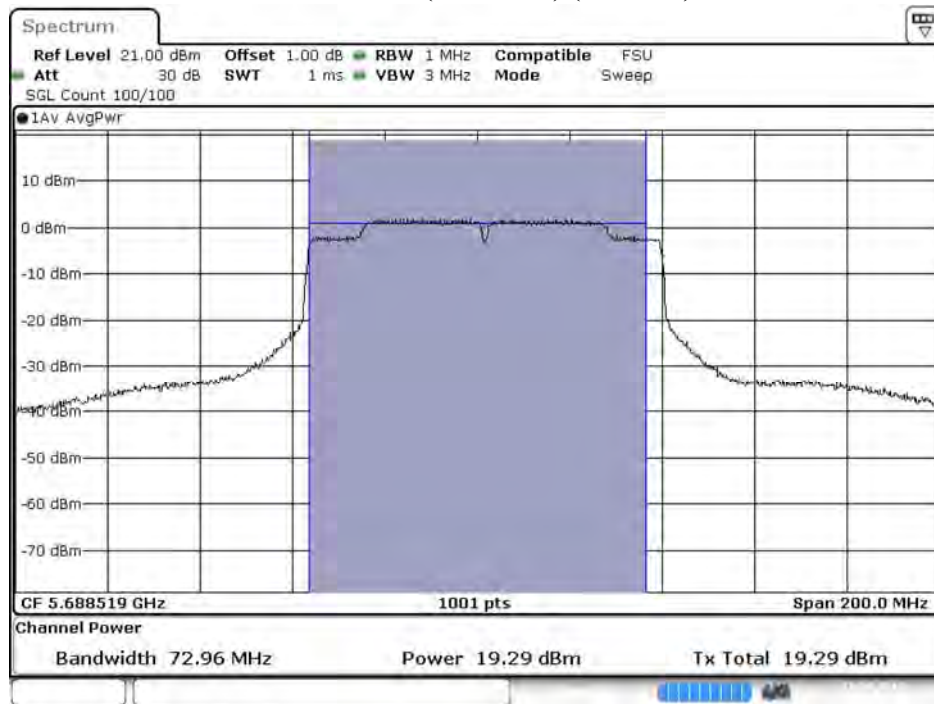


Maximum conducted output power:
Channel 122 (Chain B)



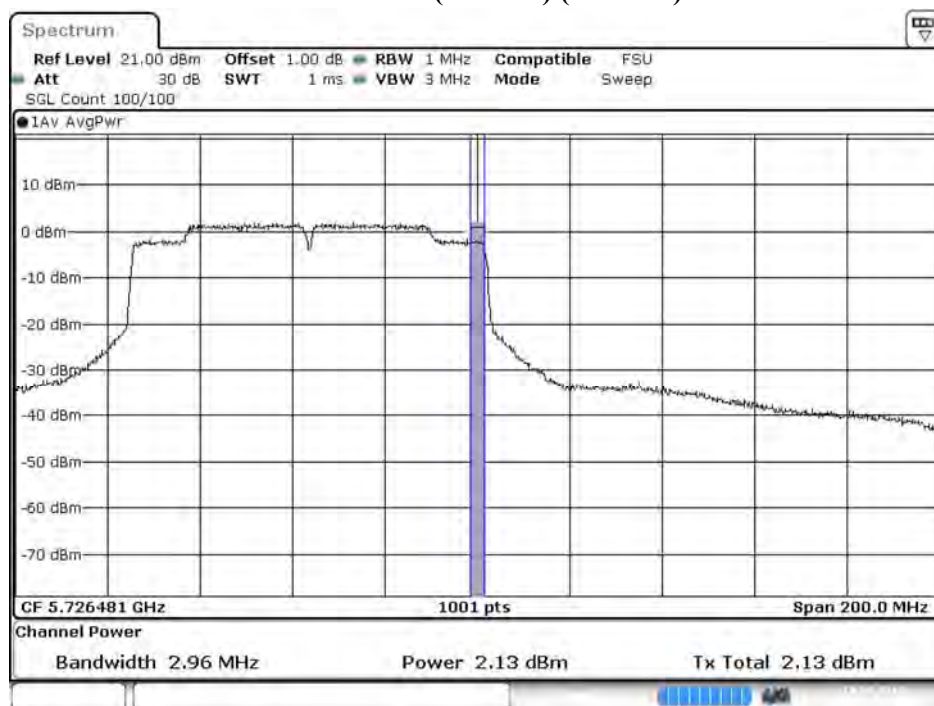
Date: 29.MAR.2019 11:33:52

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

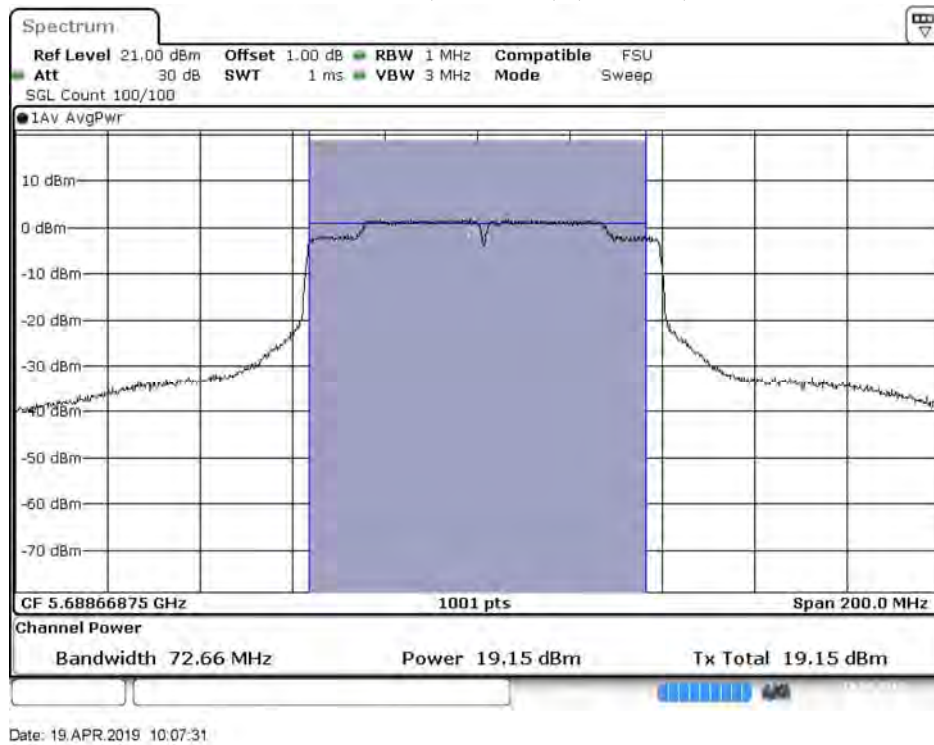
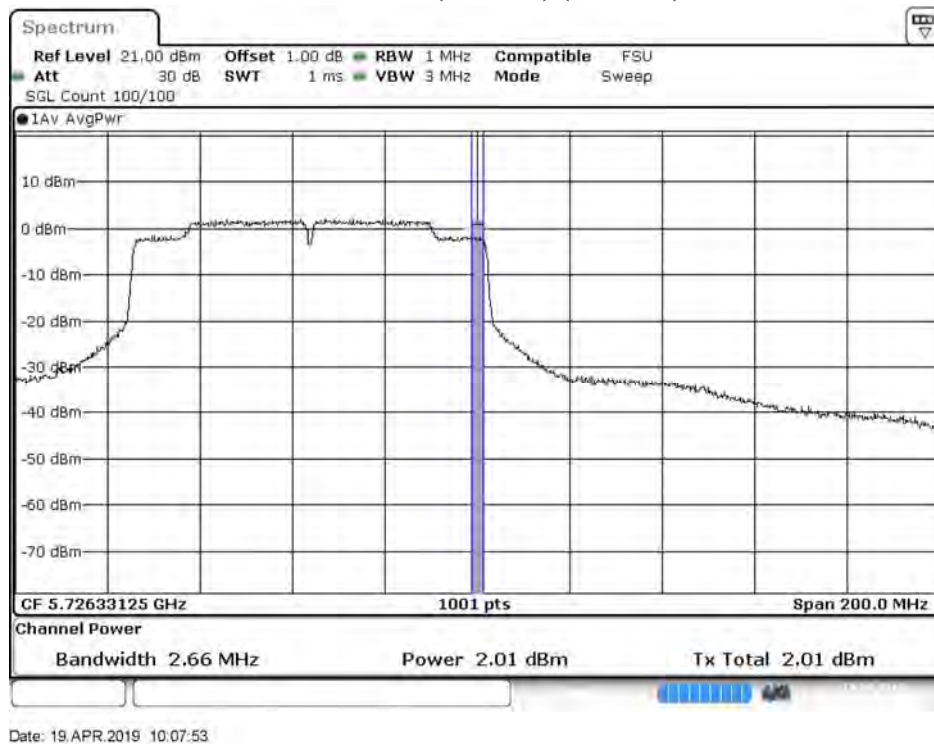


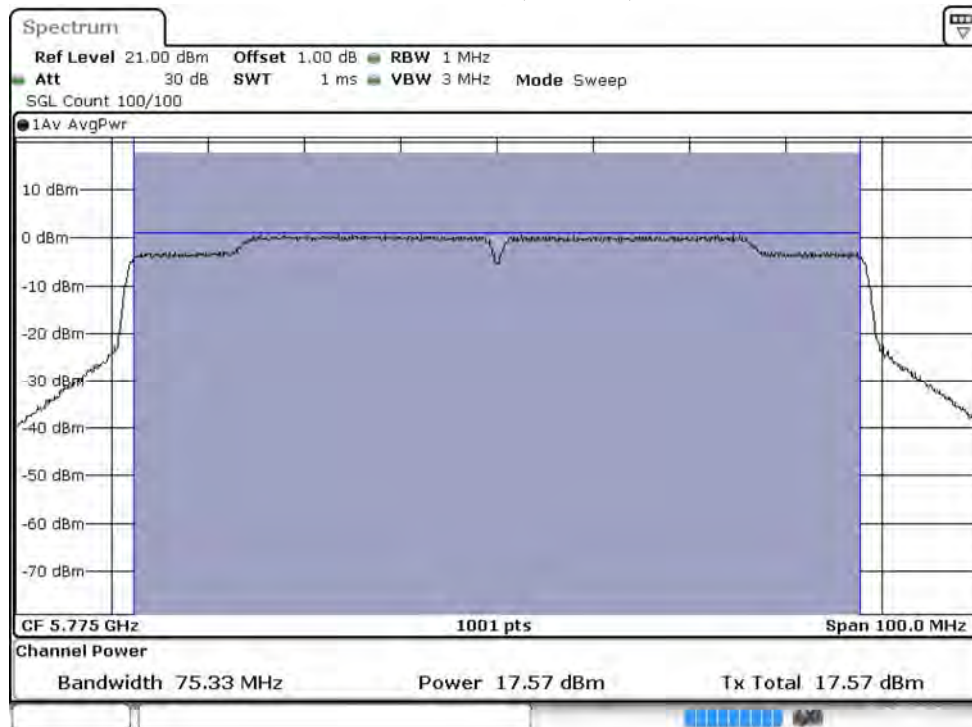
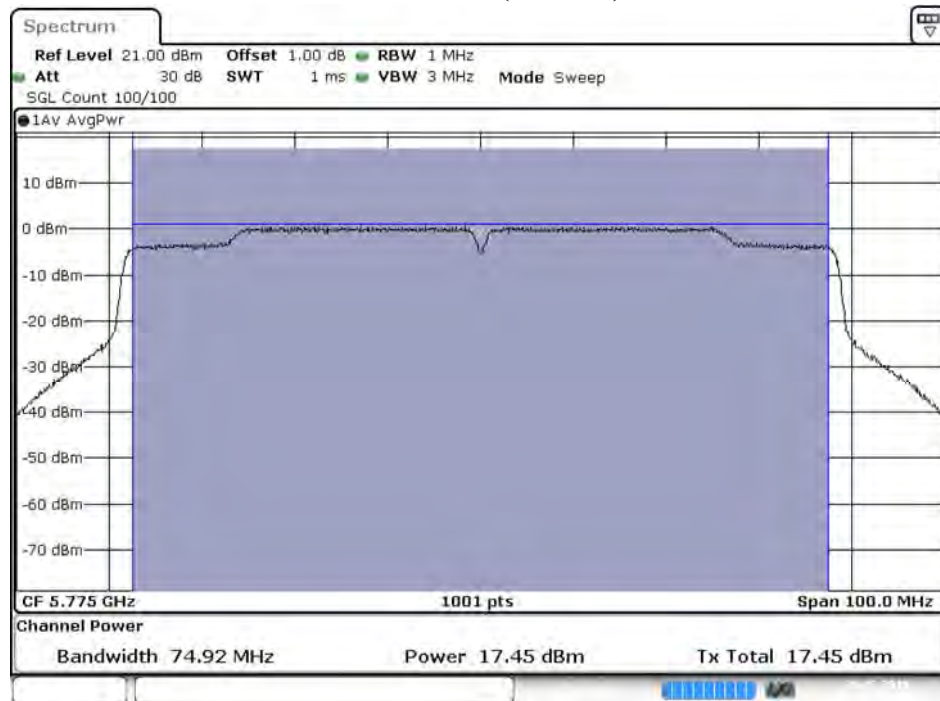
Date: 19 APR 2019 10:06:36

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



Date: 19 APR 2019 10:06:58

Maximum conducted output power:**Channel 138 (U-NII-2C) (Chain B)****Maximum conducted output power:****Channel 138 (U-NII-3) (Chain B)**

Maximum conducted output power:**Channel 155 (Chain A)****Maximum conducted output power:****Channel 155 (Chain B)**

Date: 29.MAR.2019 13:23:21

Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/29
 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	9.38	9.35	9.31	9.27	9.24	9.21	9.17	9.14	9.10	9.07
50 (U-NII-2A)	5250	9.04	9.01	8.99	8.96	8.94	8.91	8.88	8.86	8.84	8.81
114	5570	13.81	13.78	13.75	13.72	13.69	13.67	13.63	13.60	13.58	13.56

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	9.72	9.69	9.66	9.63	9.60	9.58	9.54	9.50	9.47	9.45
50 (U-NII-2A)	5250	9.64	9.61	9.59	9.56	9.54	9.51	9.48	9.46	9.44	9.41
114	5570	13.53	13.51	13.48	13.46	13.43	13.40	13.38	13.36	13.33	13.31

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

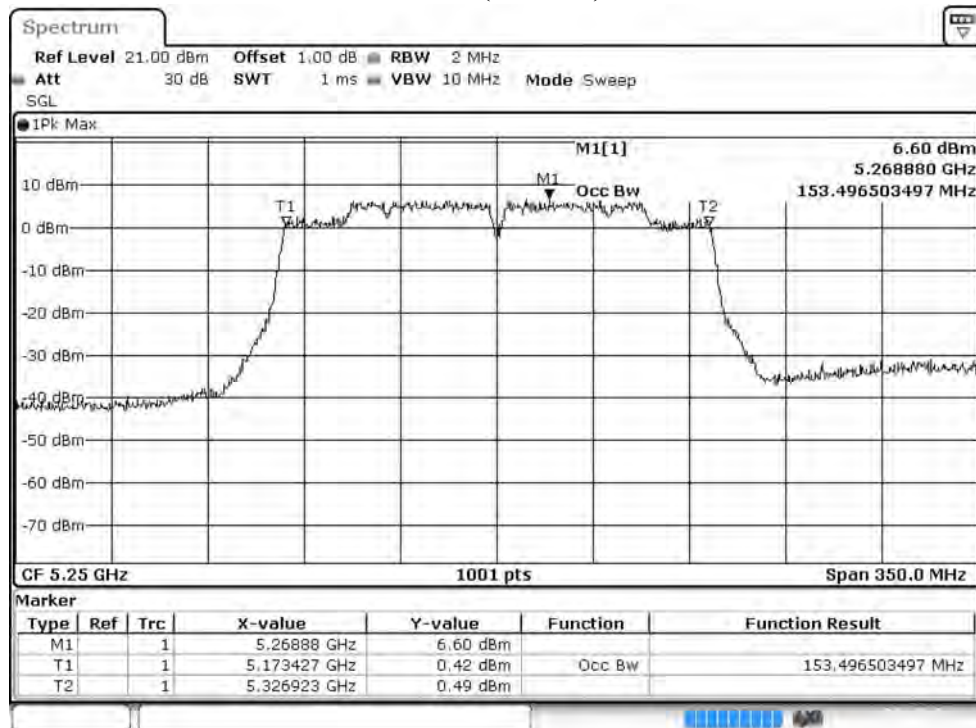
Maximum conducted output power Measurement:

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	--	9.38	9.72	12.56	24	--	Pass
50(U-NII-2A)	5250	76.573	9.04	9.64	12.36	24	29.84	Pass
114	5570	153.146	13.81	13.53	16.68	24	32.85	Pass

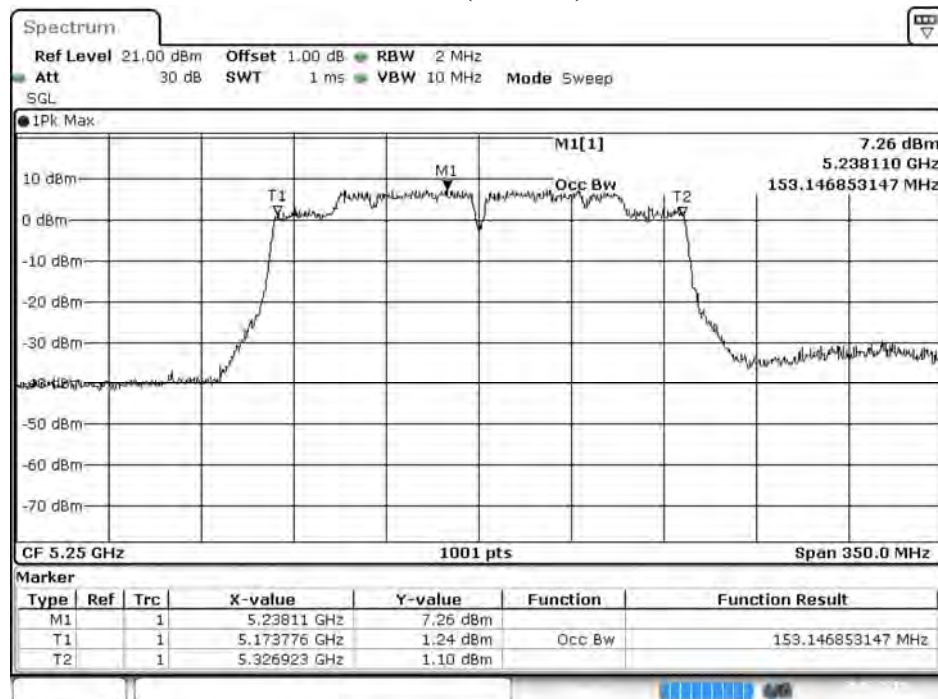
Note:

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)**

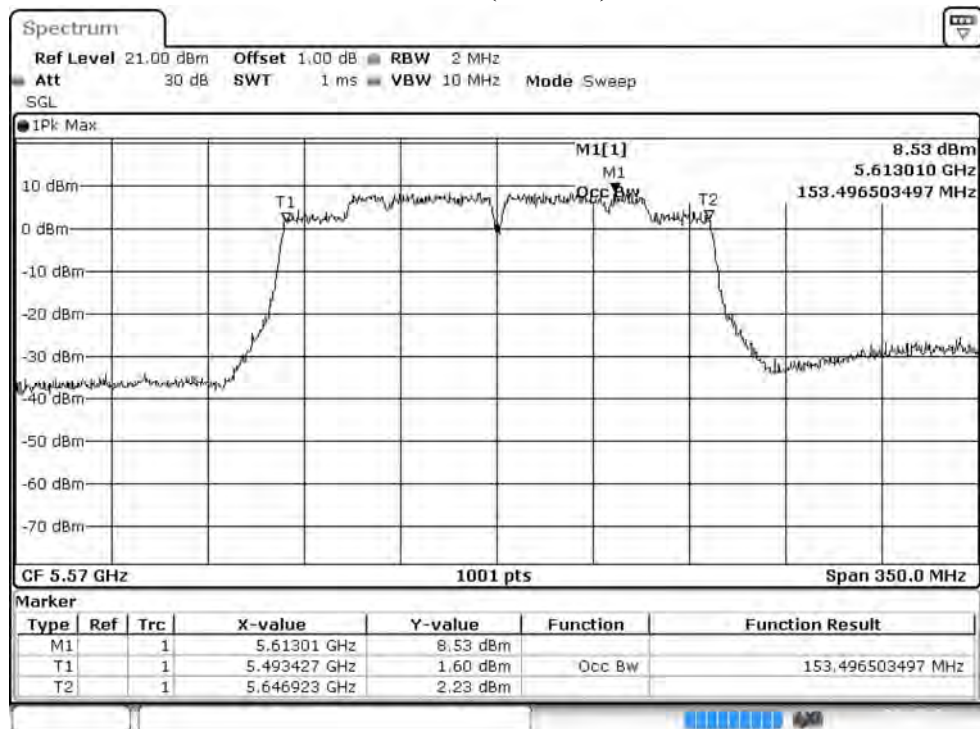


Channel 50 (Chain B)

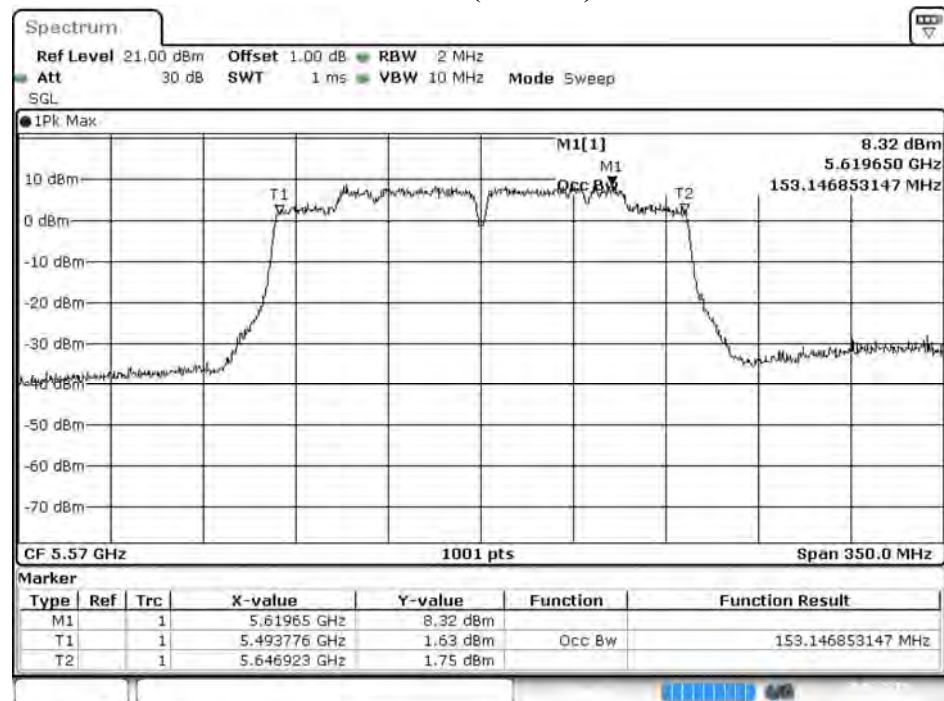


Date: 29.MAR.2019 11:42:07

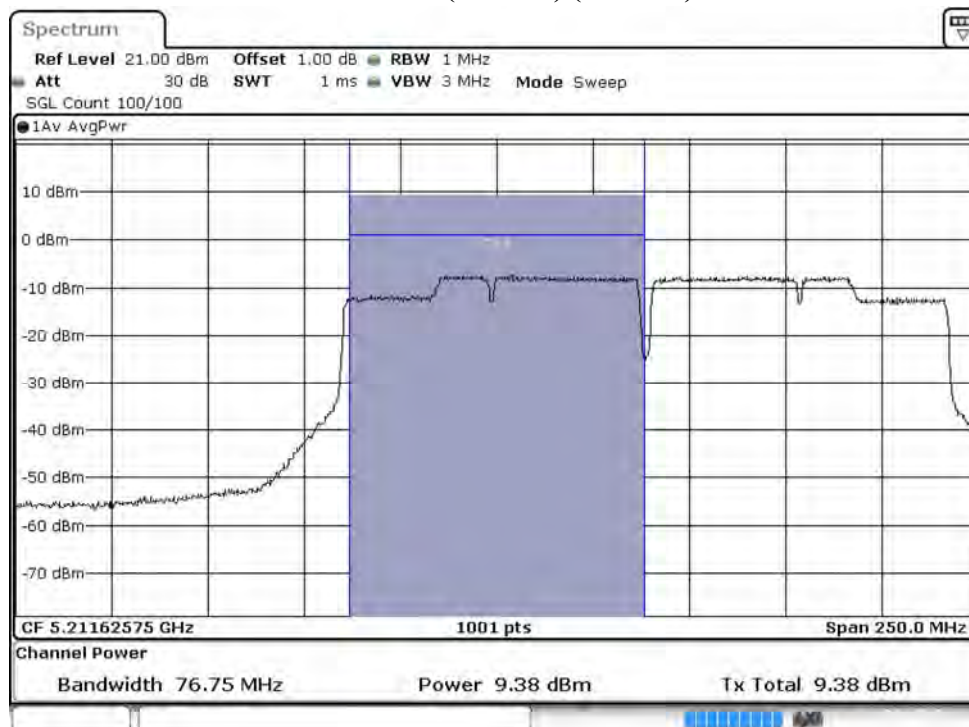
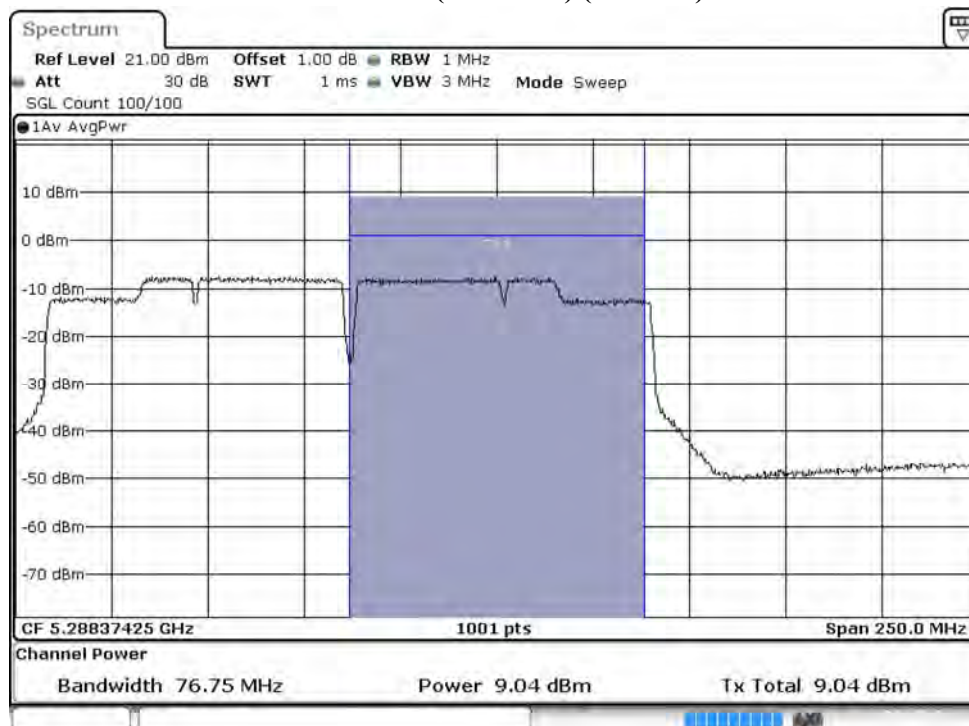
Channel 114 (Chain A)

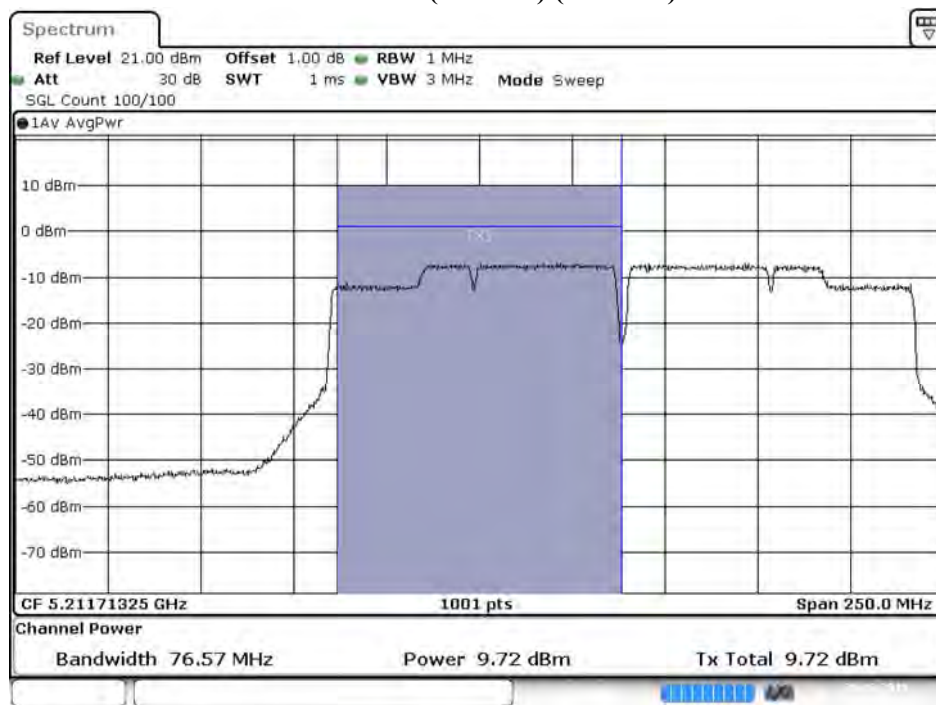


Channel 114 (Chain B)

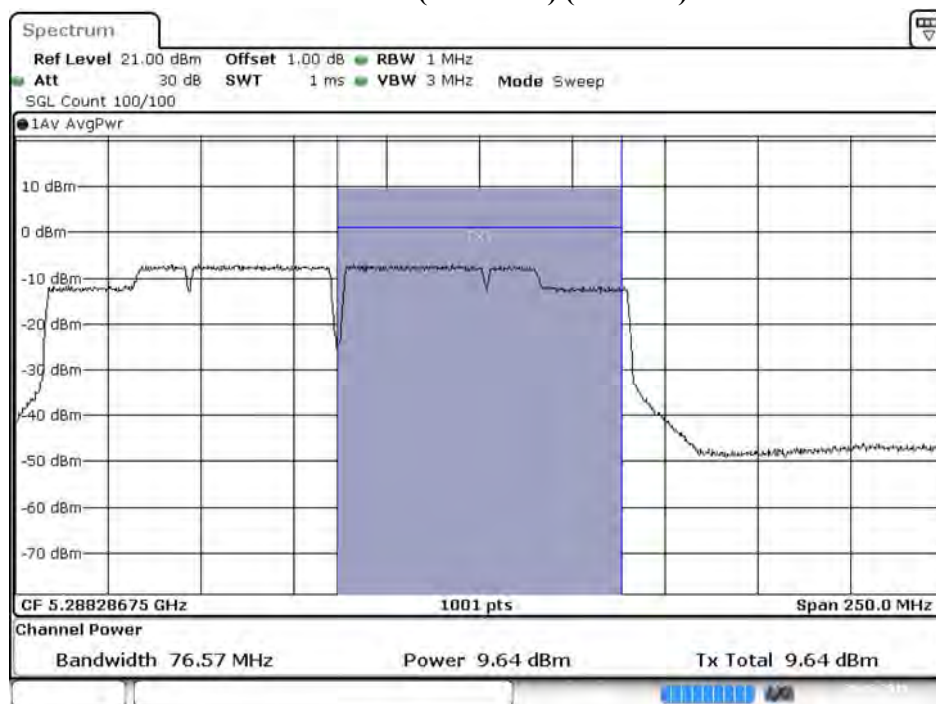


Date: 29.MAR.2019 11:43:42

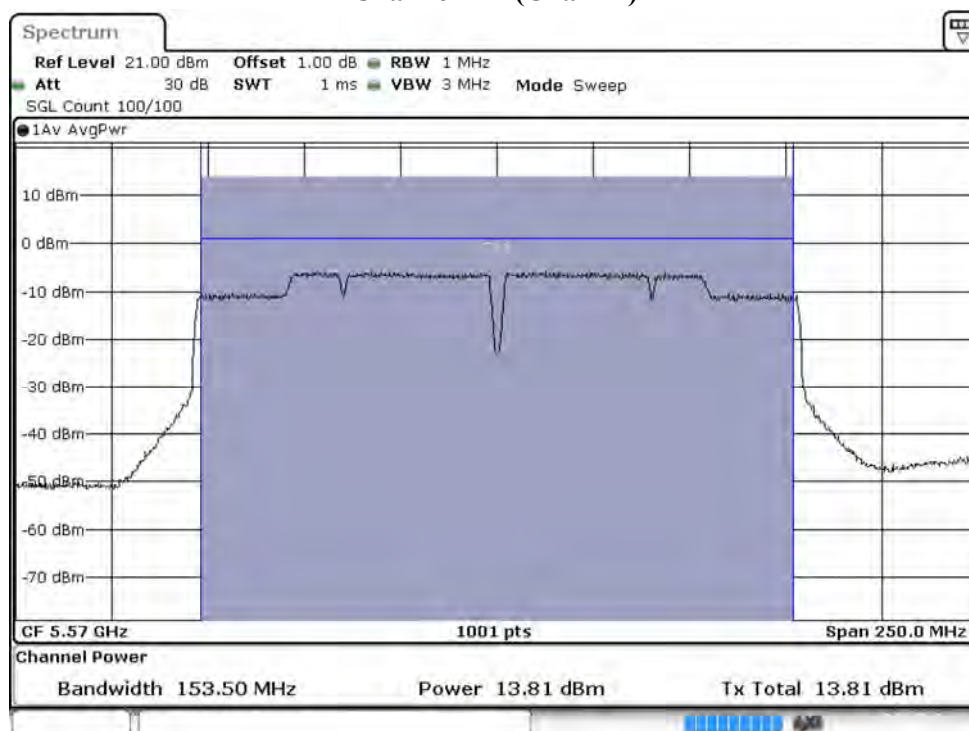
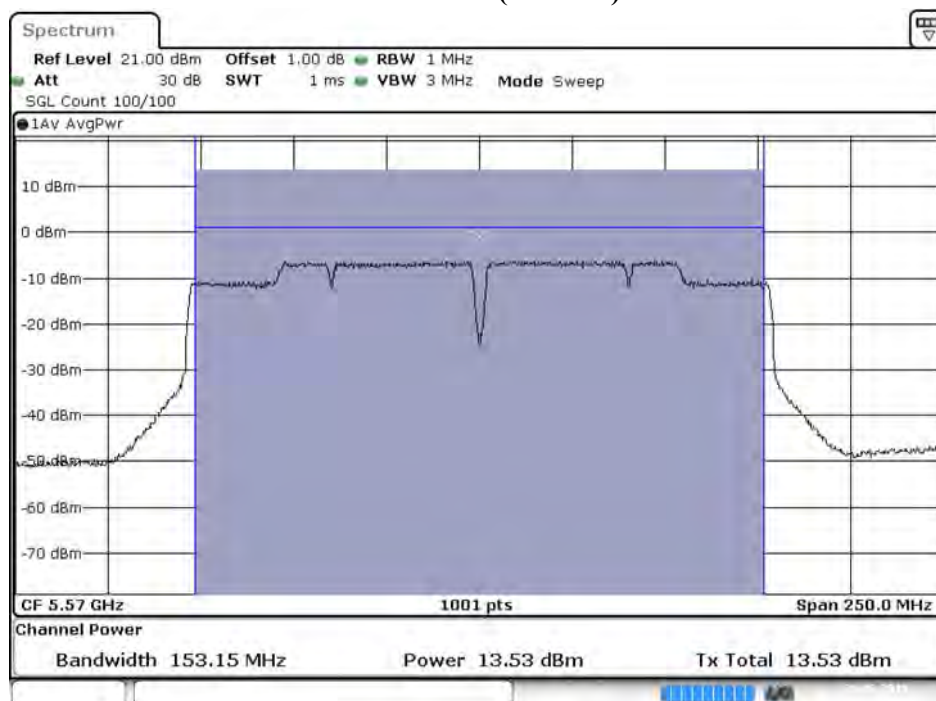
Maximum conducted output power:**Channel 50 (U-NII-1) (Chain A)****Maximum conducted output power:****Channel 50 (U-NII-2A) (Chain A)**

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

Date: 29.MAR.2019 11:42:27

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

Date: 29.MAR.2019 11:42:45

Maximum conducted output power:**Channel 114 (Chain A)****Maximum conducted output power:****Channel 114 (Chain B)**

Date: 29.MAR.2019 11:44:01

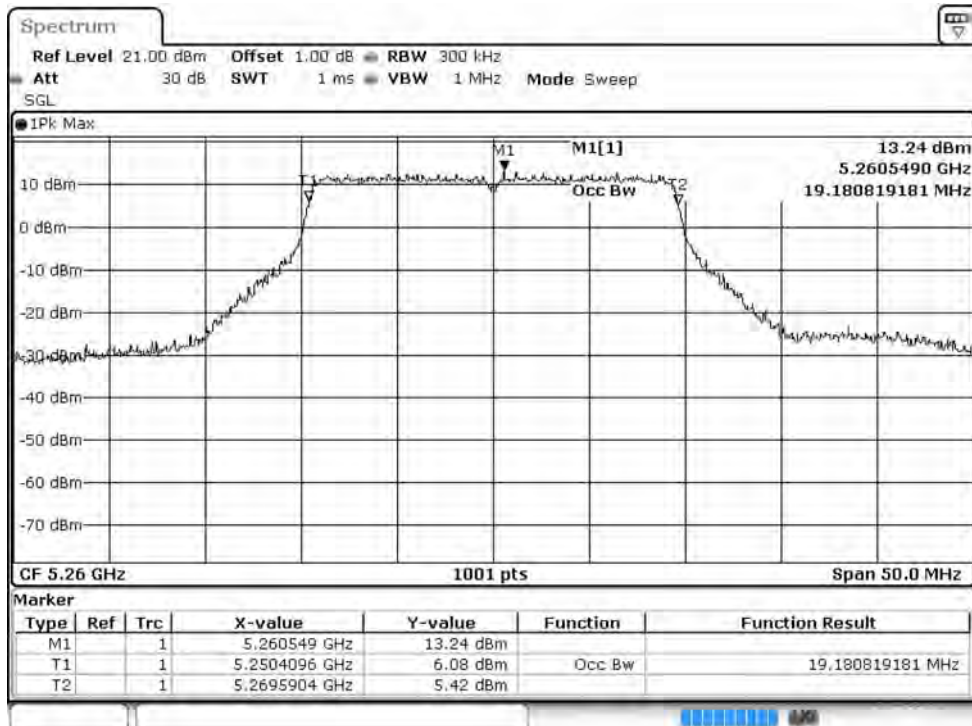
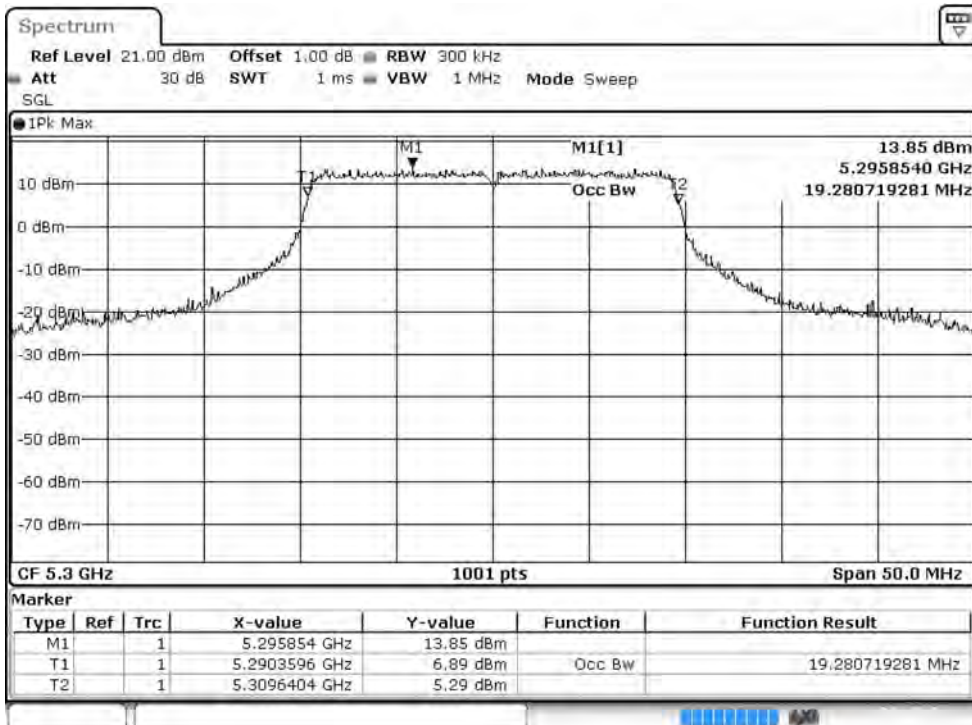
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 6: SISO A: Transmit (802.11ax-20BW_8.6Mbps)

Cable loss=1.0dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
36	5180	16.72	--	--	--	--	--	--	--	--	--	--	--
44	5220	16.98	16.95	16.91	16.88	16.84	16.80	16.77	16.74	16.70	16.67	16.63	16.59
48	5240	16.95	--	--	--	--	--	--	--	--	--	--	--
52	5260	19.41	--	--	--	--	--	--	--	--	--	--	--
60	5300	20.47	20.43	20.41	20.37	20.35	20.31	20.28	20.26	20.22	20.19	20.17	20.13
64	5320	17.35	--	--	--	--	--	--	--	--	--	--	--
100	5500	18.15	--	--	--	--	--	--	--	--	--	--	--
116	5580	20.56	20.53	20.49	20.46	20.42	20.39	20.36	20.31	20.28	20.25	20.21	20.17
140	5700	18.22	--	--	--	--	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.03	17.99	17.95	17.91	17.87	17.82	17.79	17.76	17.71	17.67	17.64	17.59
144(U-NII-3)	5720	12.91	12.88	12.86	12.83	12.80	12.77	12.75	12.73	12.70	12.68	12.66	12.63
149	5745	20.23	--	--	--	--	--	--	--	--	--	--	--
157	5785	20.54	20.51	20.48	20.45	20.41	20.39	20.35	20.33	20.30	20.28	20.24	20.22
165	5825	20.23	--	--	--	--	--	--	--	--	--	--	--

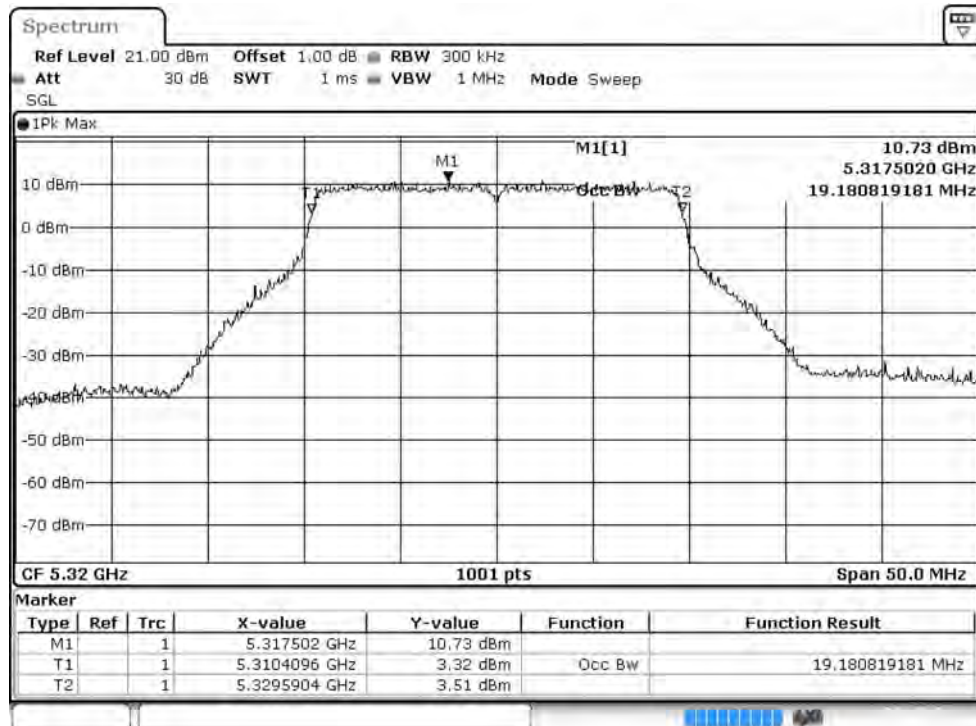
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

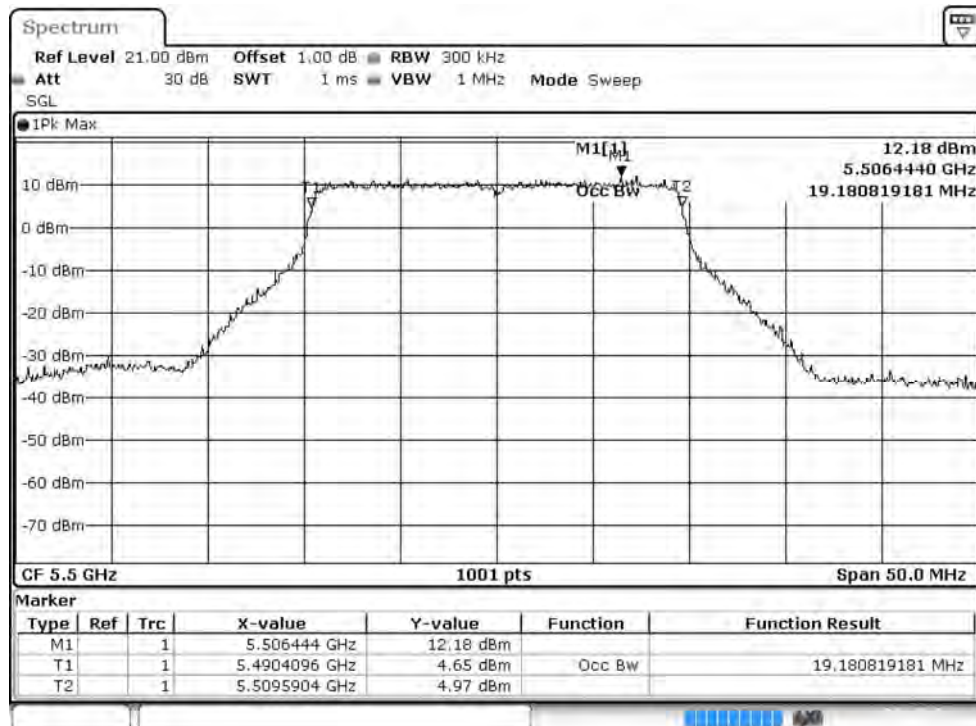
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	16.72	24	--
44	5220	--	16.98	24	--
48	5240	--	16.95	24	--
52	5260	19.180	19.41	24	23.83
60	5300	19.280	20.47	24	23.85
64	5320	19.180	17.35	24	23.83
100	5500	19.180	18.15	24	23.83
116	5580	19.280	20.56	24	23.85
140	5700	19.230	18.22	24	23.84
144(U-NII-2C)	5720	14.640	18.03	24	22.66
144(U-NII-3)	5720	--	12.91	30	--
149	5745	--	20.23	30	--
157	5785	--	20.54	30	--
165	5825	--	20.23	30	--

99% Occupied Bandwidth:**Channel 52****Channel 60**

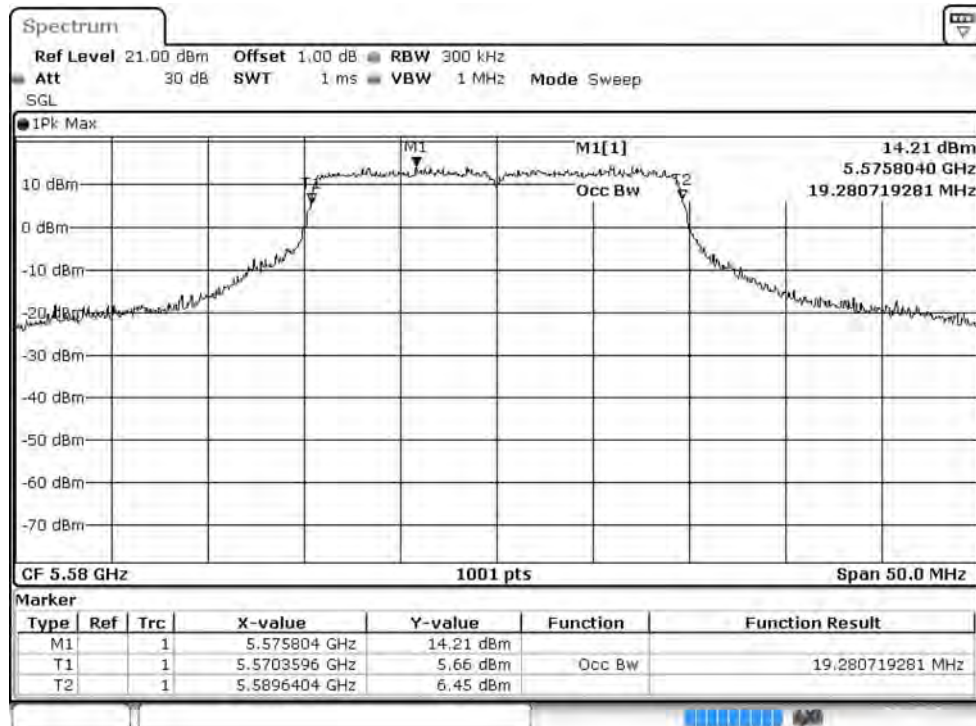
Channel 64



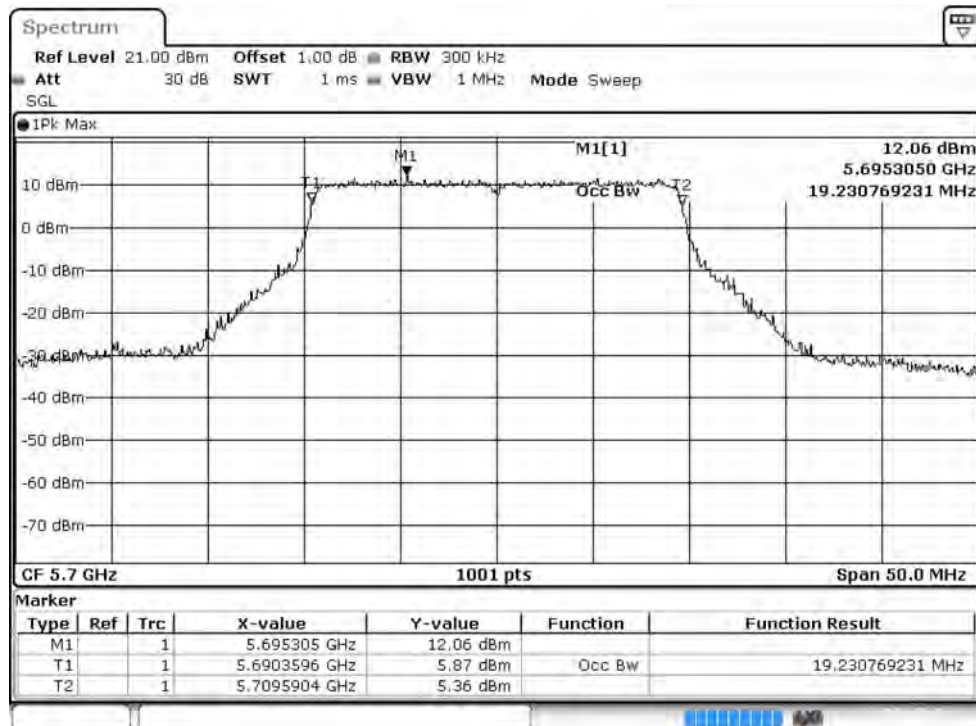
Channel 100



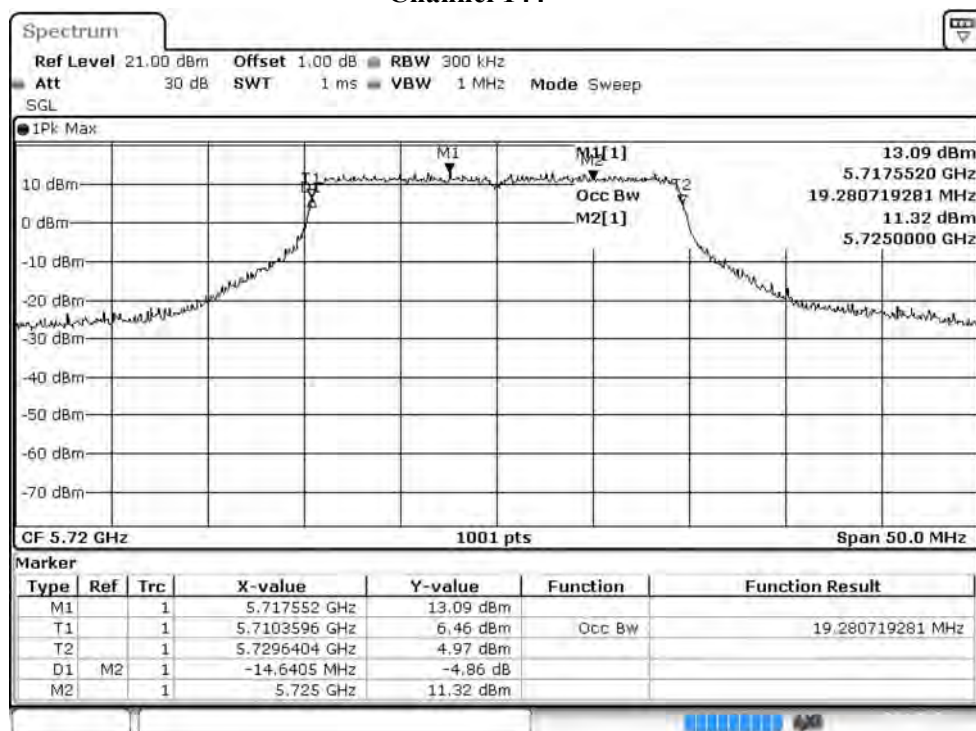
Channel 116

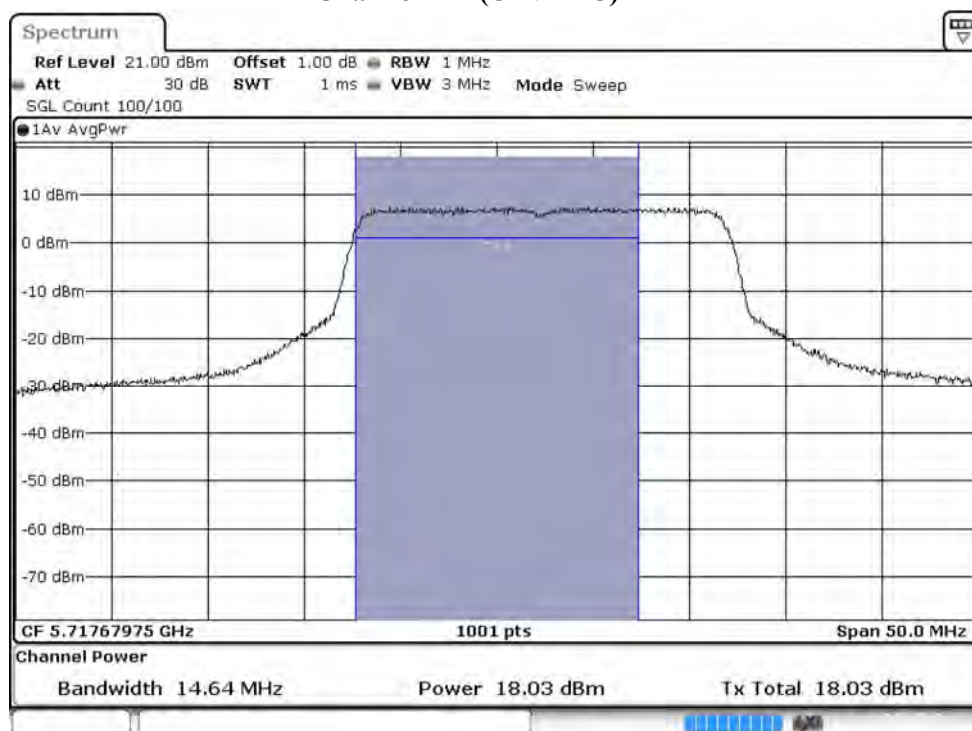
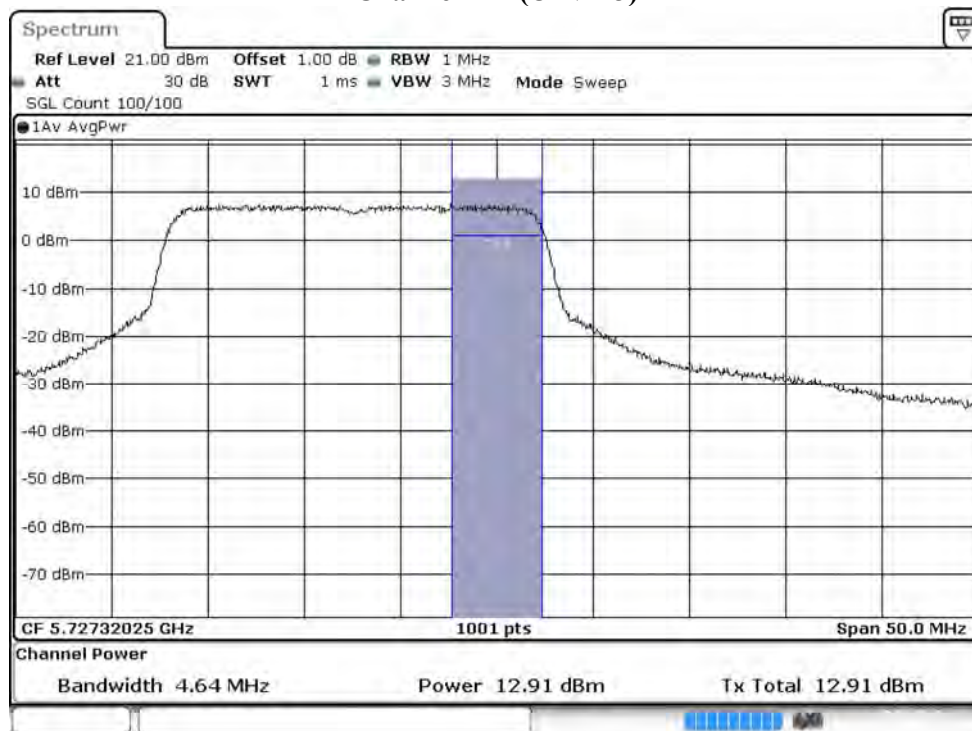


Channel 140



Channel 144



Maximum conducted output power:**Channel 144 (U-NII-2C)****Maximum conducted output power:****Channel 144 (U-NII-3)**

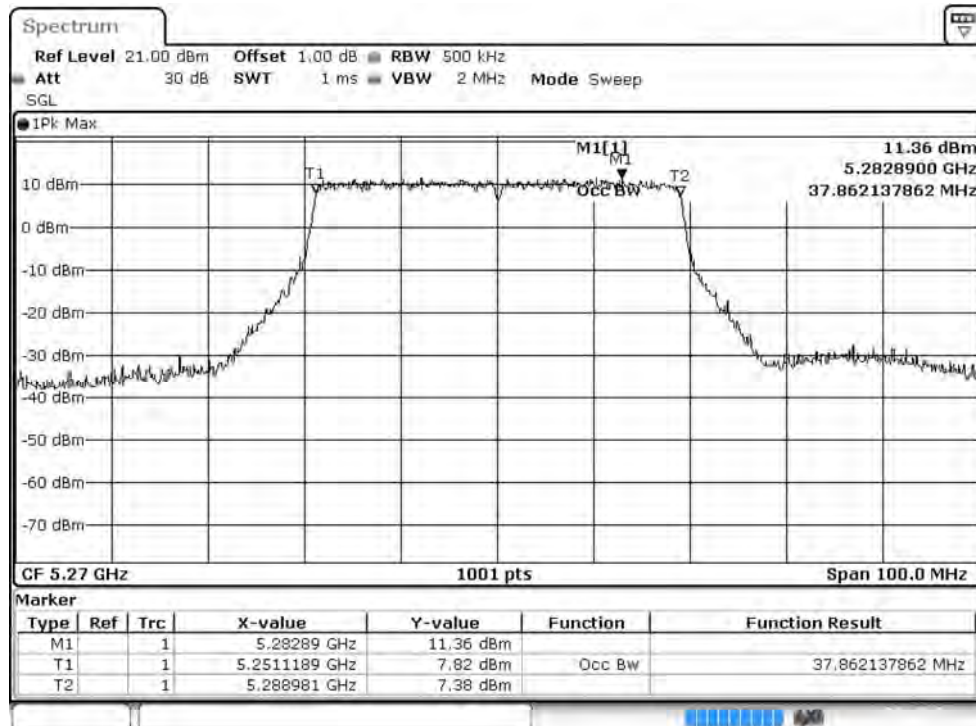
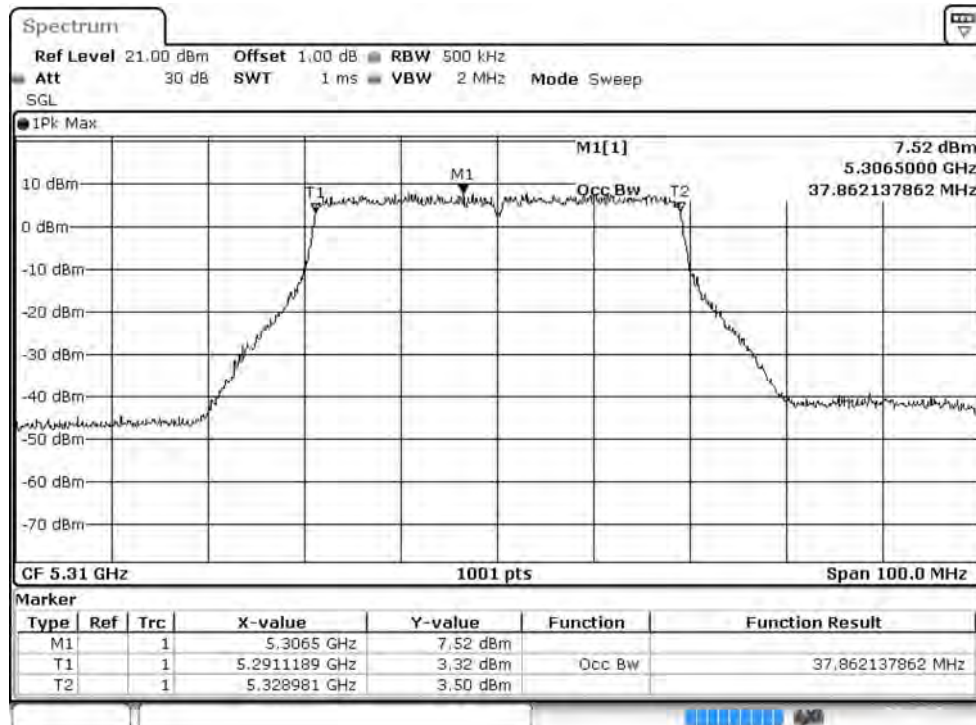
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 7: SISO A: Transmit (802.11ax-40BW_17.2Mbps)

Cable loss=1.0dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
38	5190	17.38	--	--	--	--	--	--	--	--	--	--	--
46	5230	17.64	17.61	17.58	17.54	17.52	17.48	17.45	17.43	17.40	17.38	17.35	17.31
54	5270	18.53	--	--	--	--	--	--	--	--	--	--	--
62	5310	15.01	14.98	14.95	14.92	14.89	14.85	14.83	14.80	14.78	14.74	14.71	14.68
102	5510	18.06	--	--	--	--	--	--	--	--	--	--	--
110	5550	19.63	19.61	19.58	19.55	19.53	19.51	19.48	19.45	19.44	19.40	19.38	19.35
134	5670	18.50	--	--	--	--	--	--	--	--	--	--	--
142(U-NII-2C)	5710	19.42	19.39	19.36	19.33	19.30	19.28	19.26	19.21	19.18	19.14	19.11	19.09
142(U-NII-3)	5710	10.13	10.11	10.08	10.06	10.03	10.00	9.98	9.95	9.93	9.90	9.87	9.85
151	5755	20.56	--	--	--	--	--	--	--	--	--	--	--
159	5795	20.34	20.31	20.29	20.26	20.23	20.21	20.19	20.16	20.14	20.11	20.09	20.05

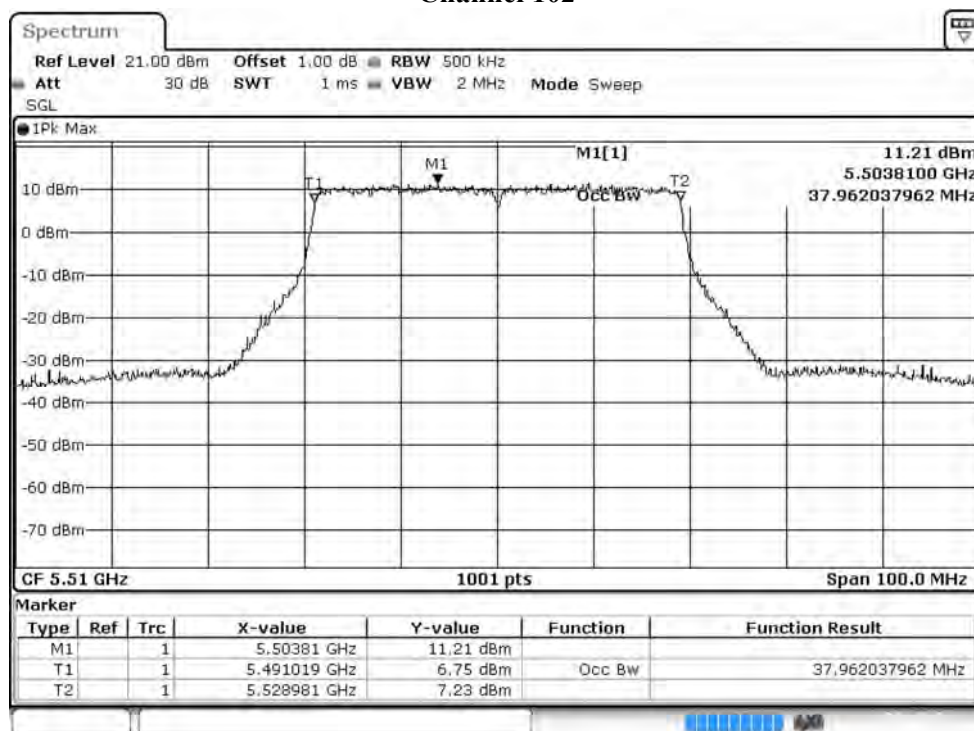
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

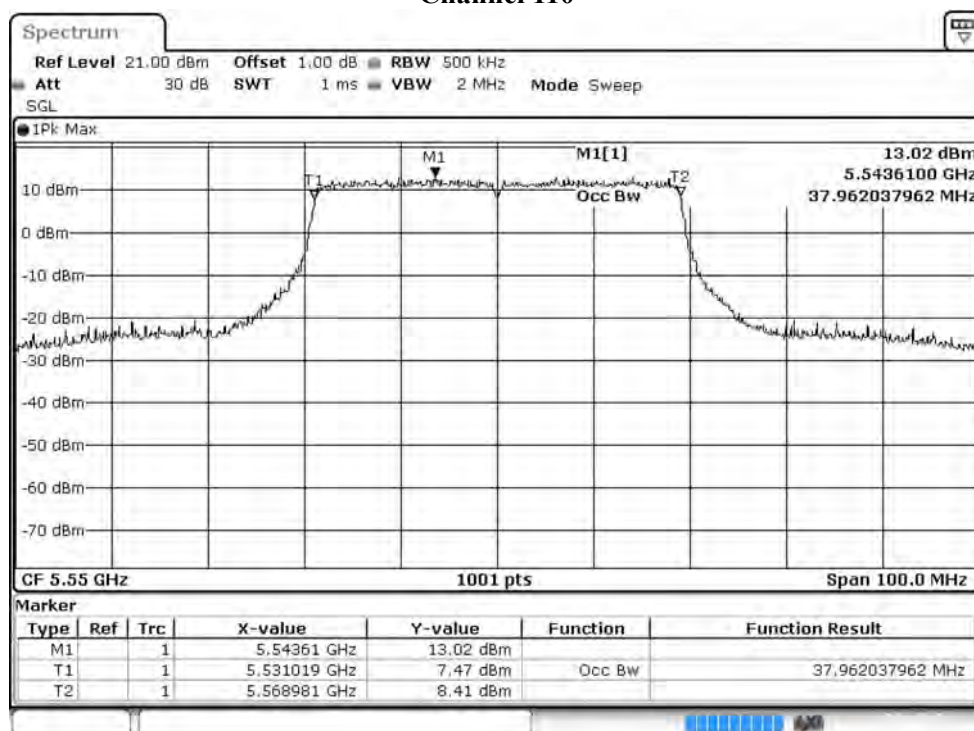
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
38	5190	--	17.38	24	--
46	5230	--	17.64	24	--
54	5270	37.862	18.53	24	26.78
62	5310	37.862	15.01	24	26.78
102	5510	37.962	18.06	24	26.79
110	5550	37.962	19.63	24	26.79
134	5670	37.962	18.50	24	26.79
142(U-NII-2C)	5710	34.081	19.42	24	26.33
142(U-NII-3)	5710	--	10.13	30	--
151	5755	--	20.56	30	--
159	5795	--	20.34	30	--

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

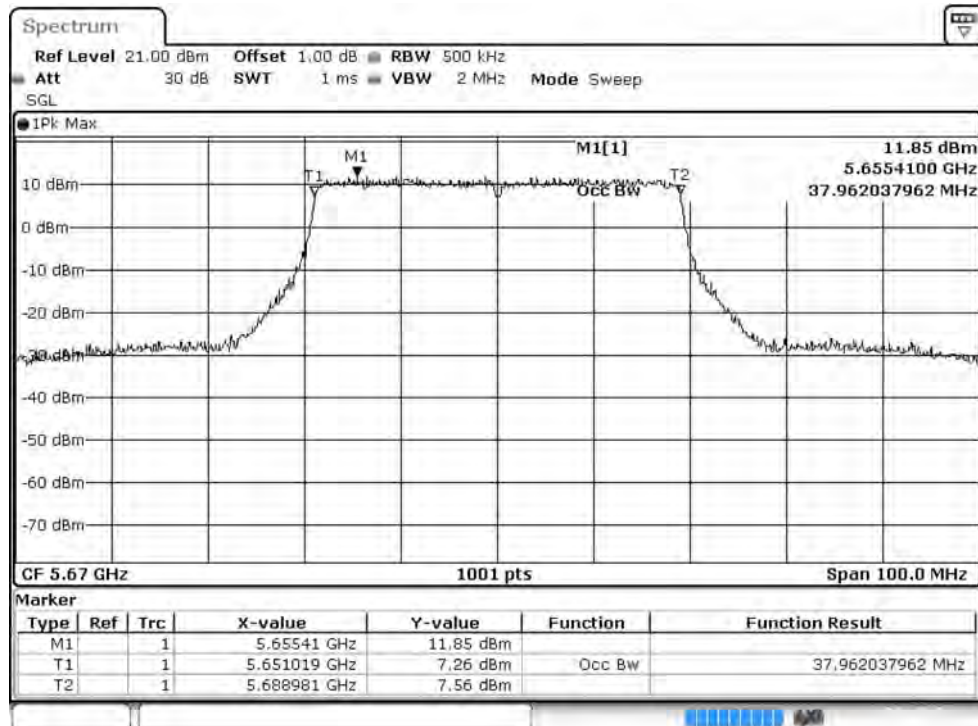
Channel 102



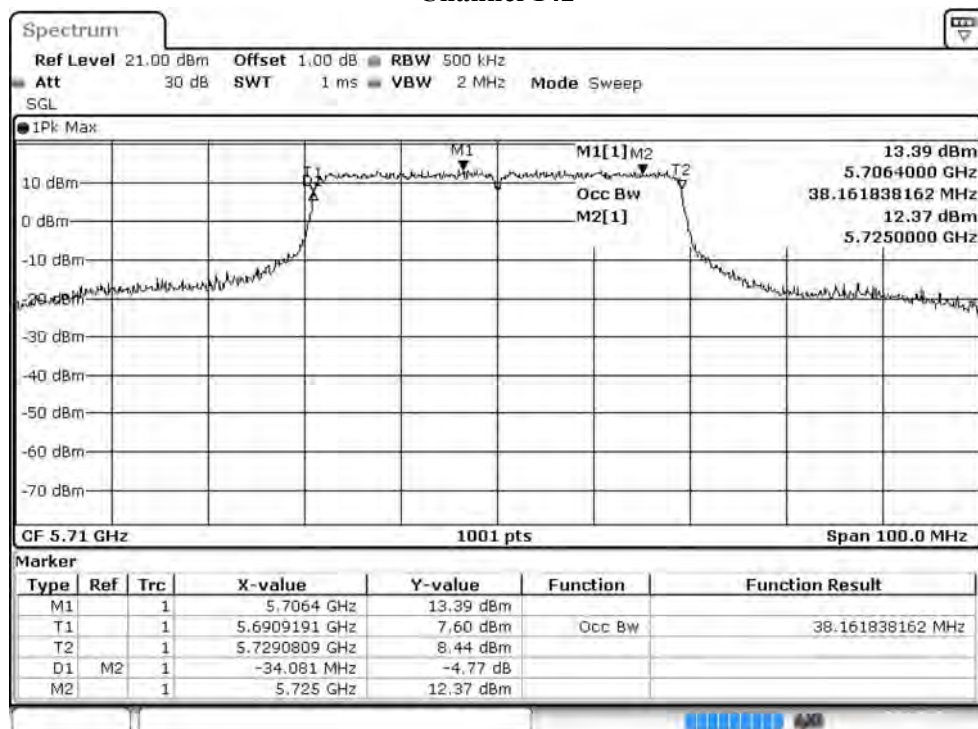
Channel 110



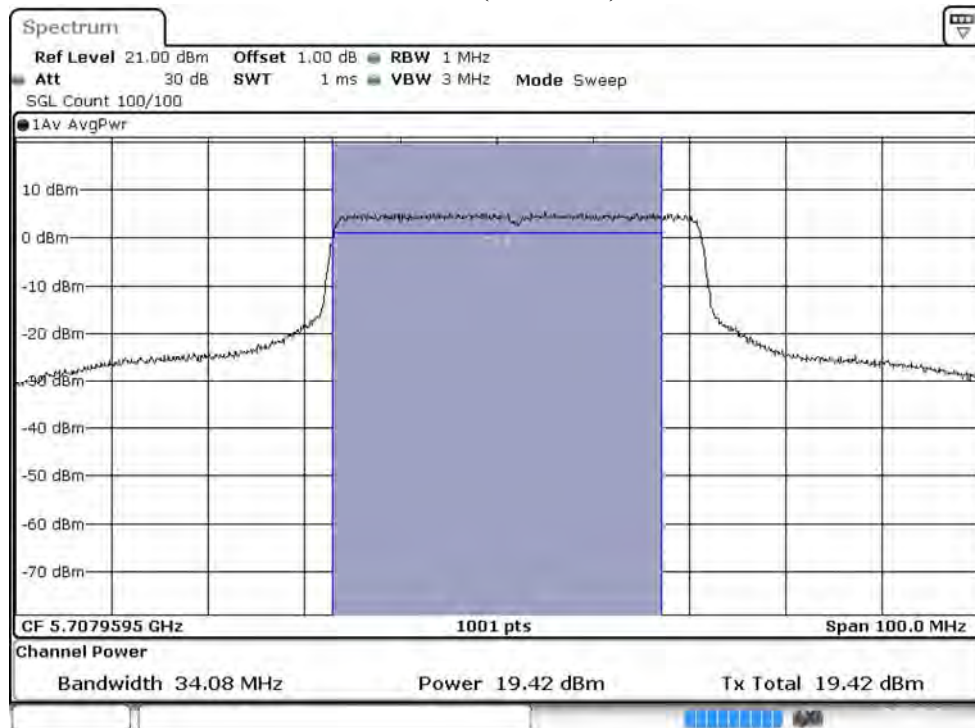
Channel 134



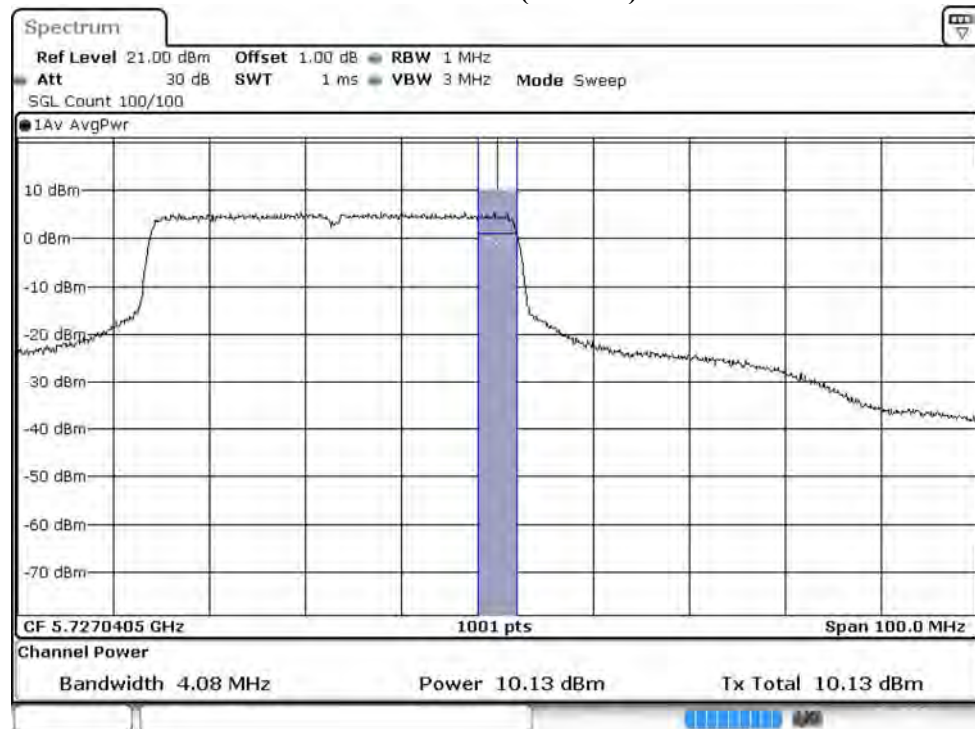
Channel 142



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



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



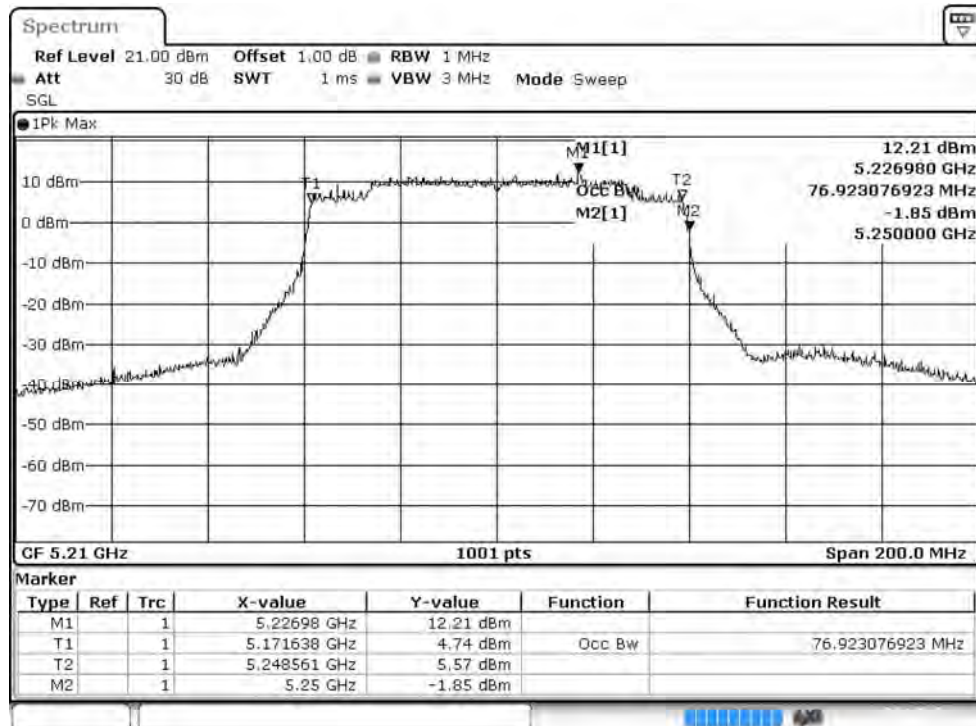
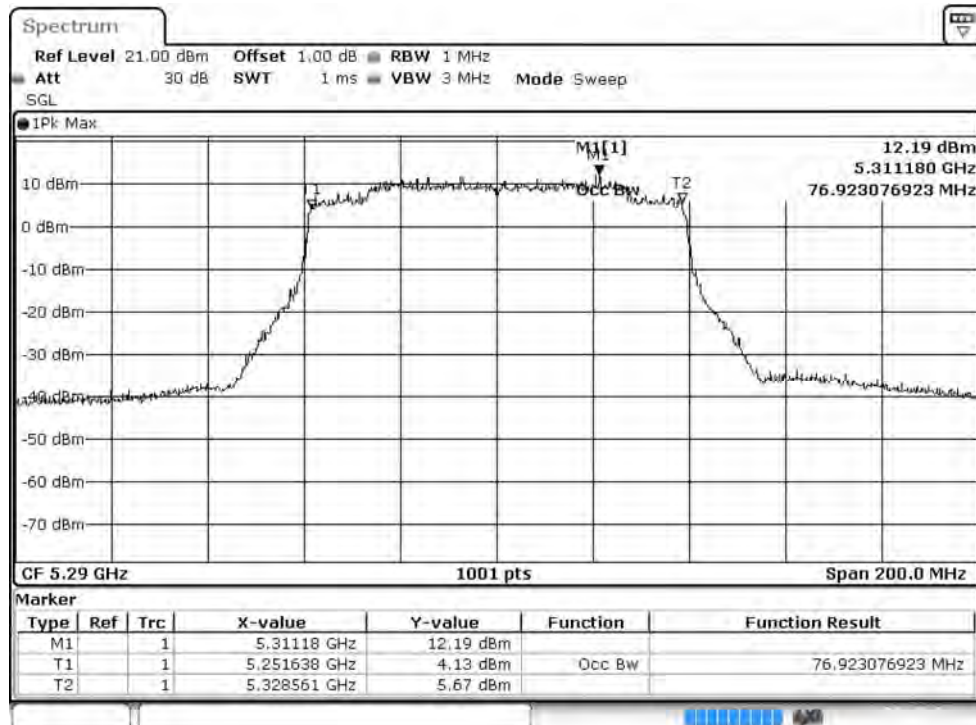
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 8: SISO A: Transmit (802.11ax-80BW_36Mbps)

Cable loss=1.0dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	17.45	17.41	17.39	17.35	17.32	17.29	17.27	17.23	17.20	17.18	17.14	17.11
58	5290	16.58	16.55	16.51	16.47	16.44	16.40	16.36	16.33	16.30	16.27	16.23	16.19
106	5530	17.60	--	--	--	--	--	--	--	--	--	--	--
122	5610	18.89	18.85	18.82	18.78	18.75	18.71	18.67	18.63	18.60	18.57	18.53	18.49
138 (U-NII-2C)	5690	20.24	--	--	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	4.54	--	--	--	--	--	--	--	--	--	--	--
155	5775	18.39	18.35	18.31	18.27	18.23	18.19	18.14	18.11	18.07	18.04	17.99	17.96

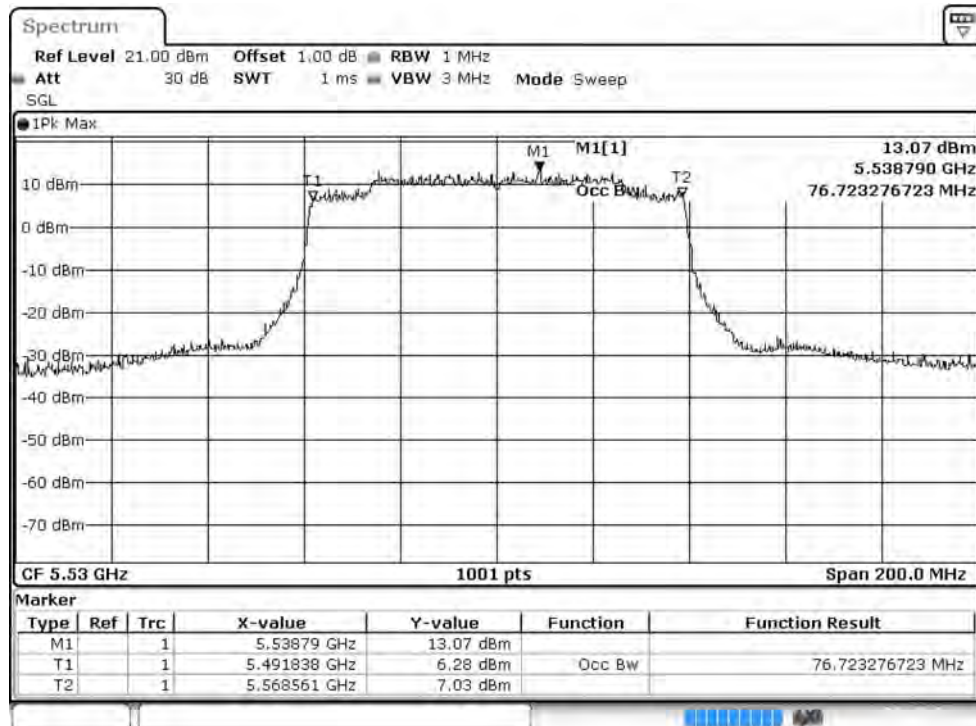
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

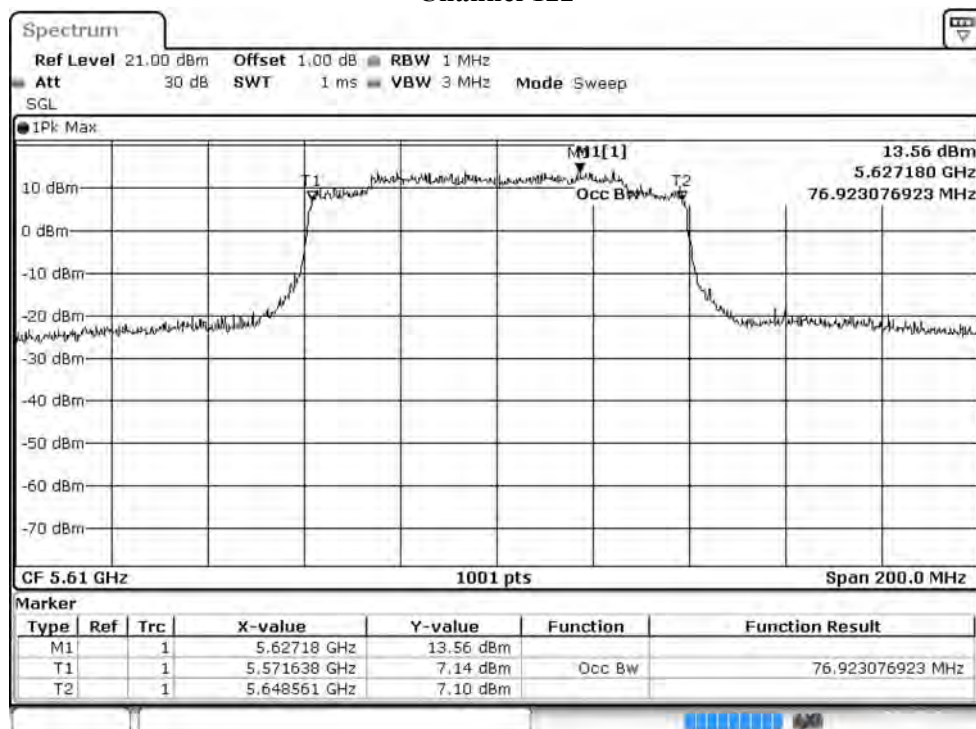
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
42	5210	--	17.45	24	--
58	5290	76.923	16.58	24	29.86
106	5530	76.723	17.60	24	29.85
122	5610	76.923	18.89	24	29.86
138 (U-NII-2C)	5690	73.861	20.24	24	29.68
138 (U-NII-3)	5690	--	4.54	30	--
155	5775	--	18.39	30	--

99% Occupied Bandwidth:**Channel 42****Channel 58**

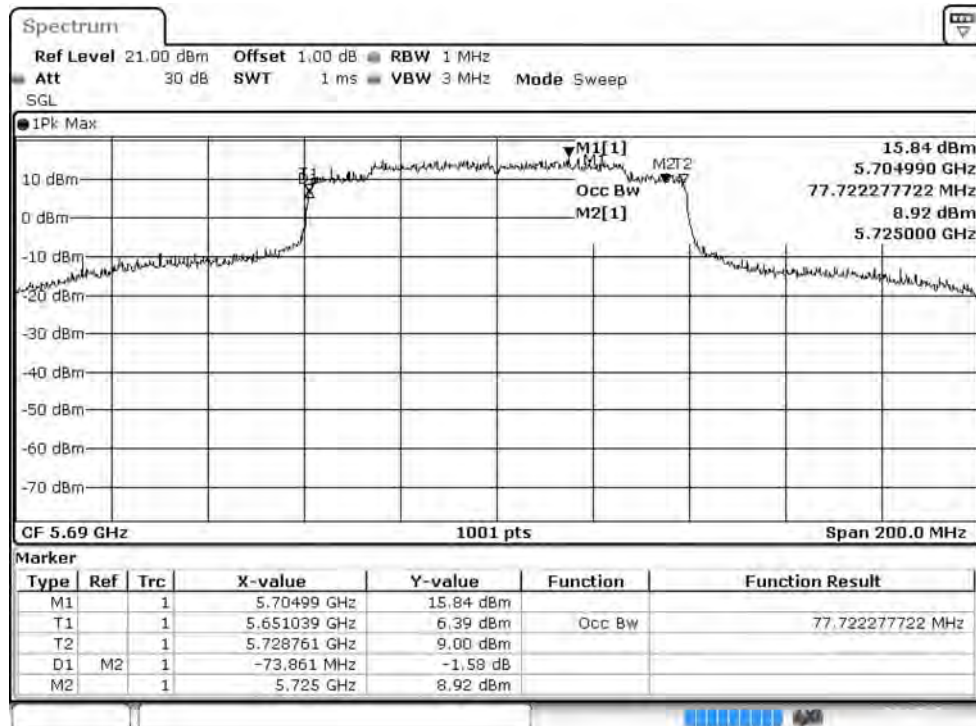
Channel 106



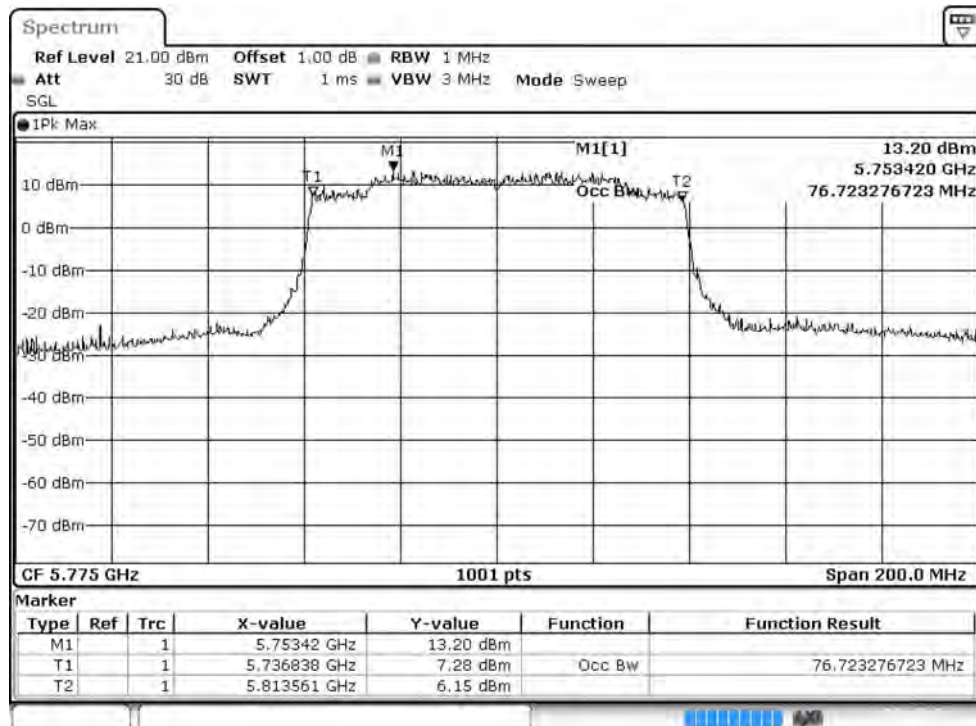
Channel 122

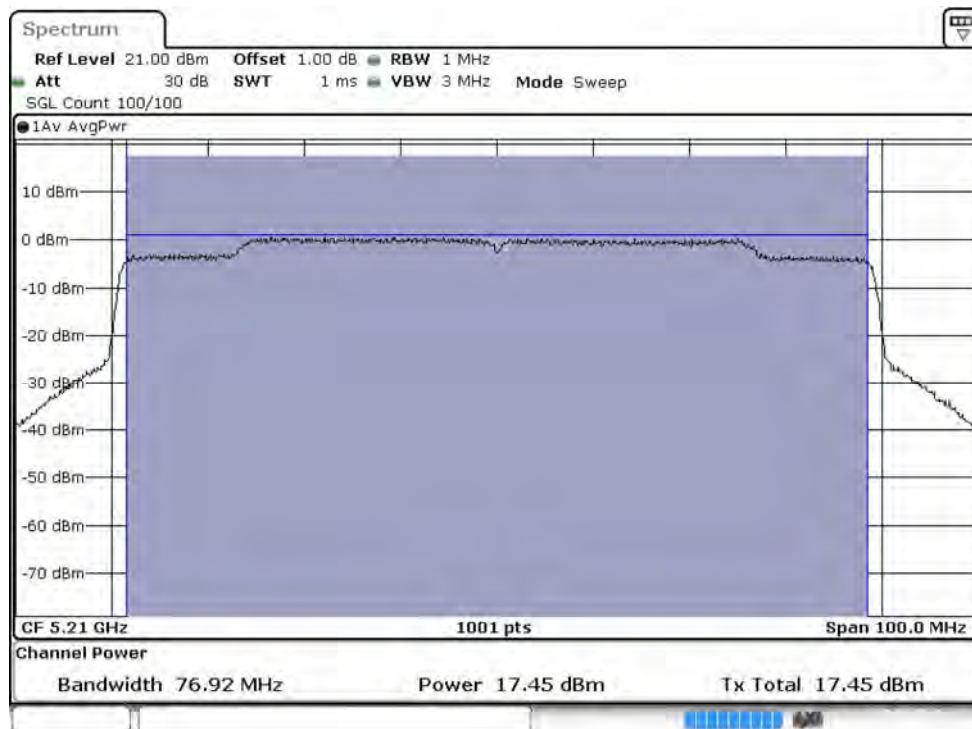
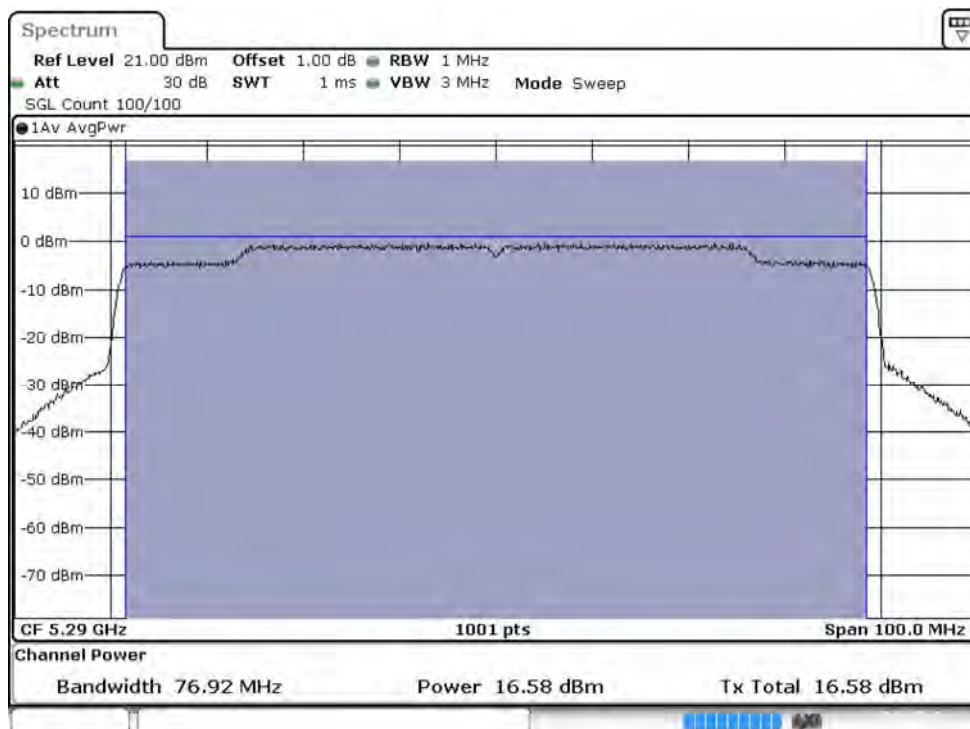


Channel 138



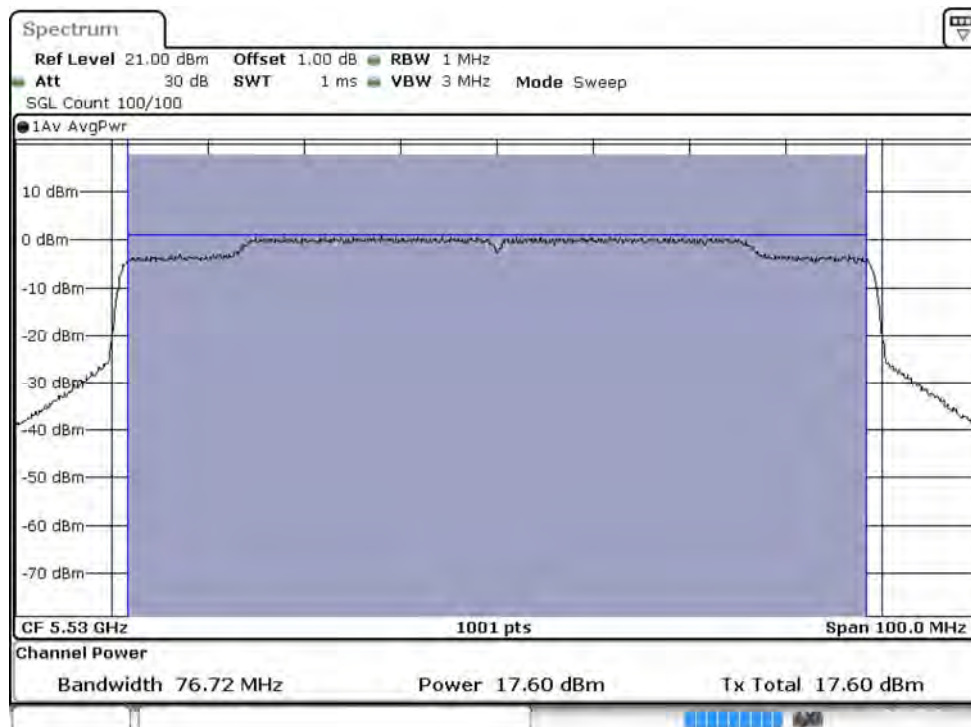
Channel 155



Maximum conducted output power:**Channel 42****Maximum conducted output power:****Channel 58**

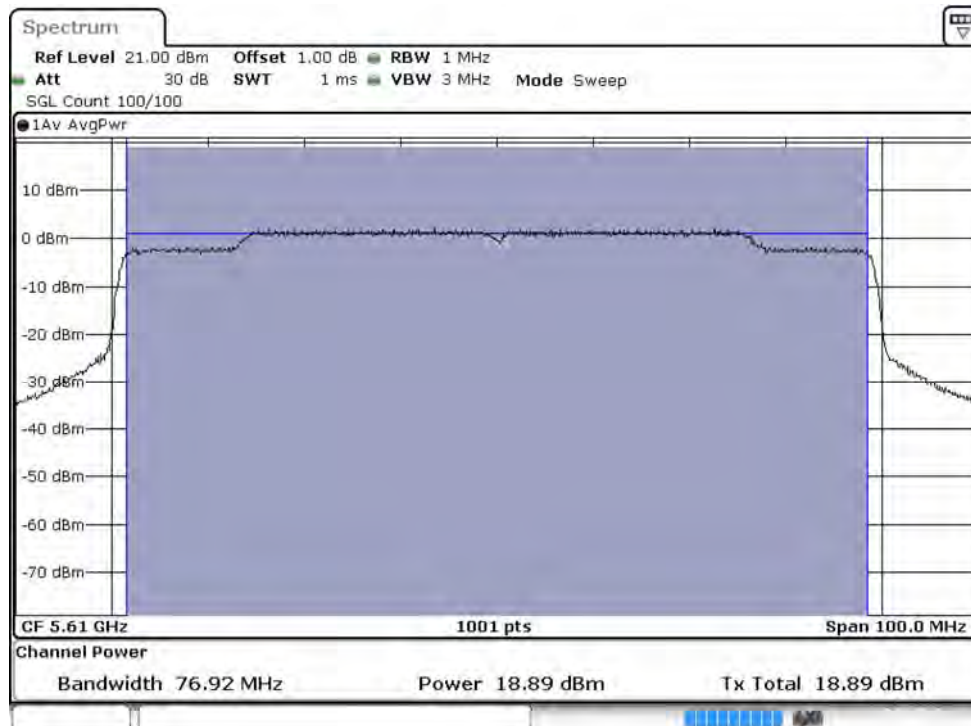
Maximum conducted output power:

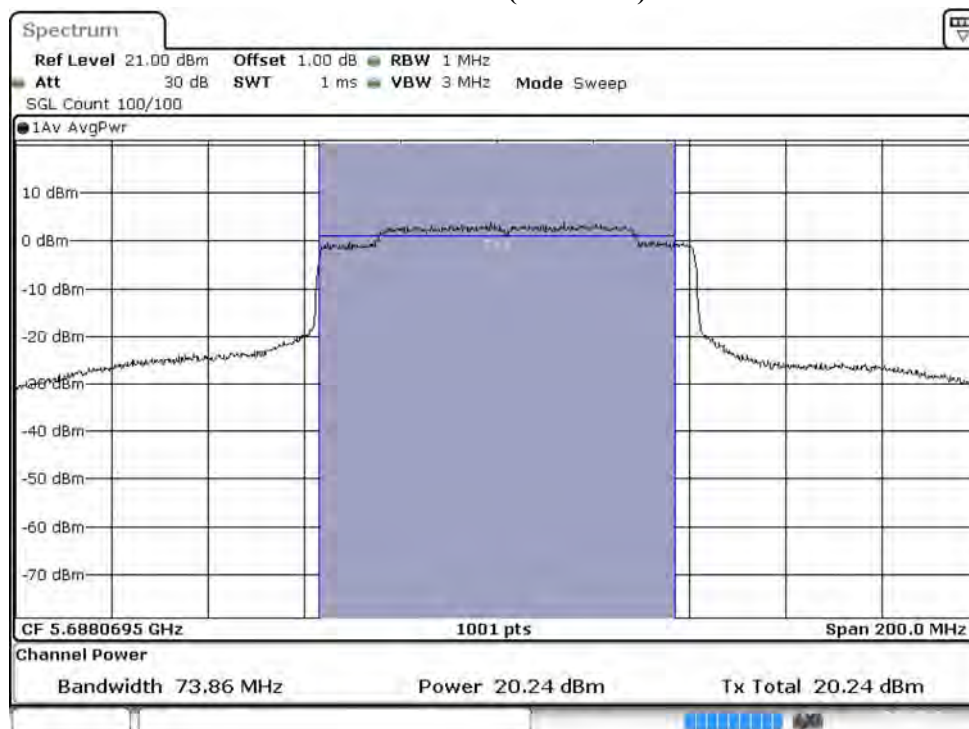
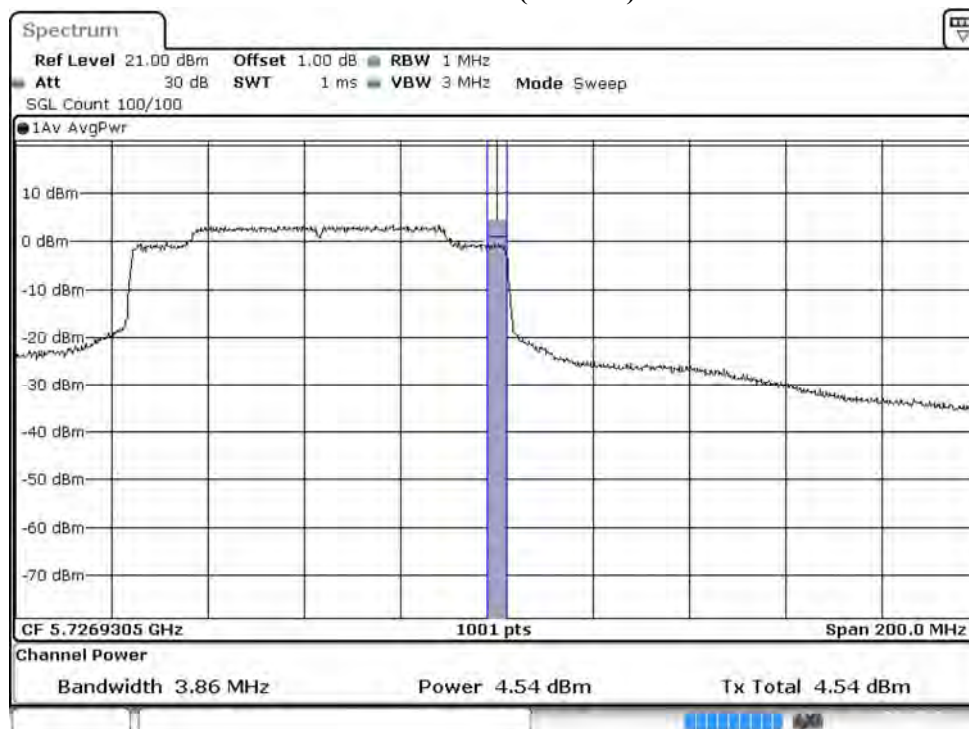
Channel 106



Maximum conducted output power:

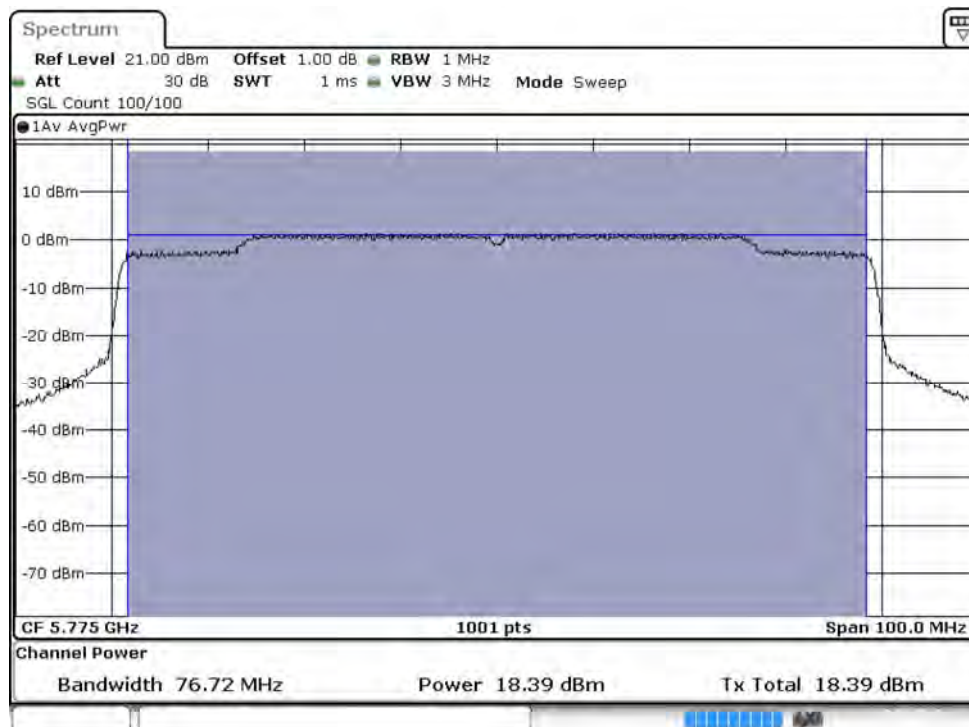
Channel 122



Maximum conducted output power:**Channel 138 (U-NII-2C)****Maximum conducted output power:****Channel 138 (U-NII-3)**

Maximum conducted output power:

Channel 155



Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 9: SISO A: Transmit (802.11ax-160BW_72.1Mbps)

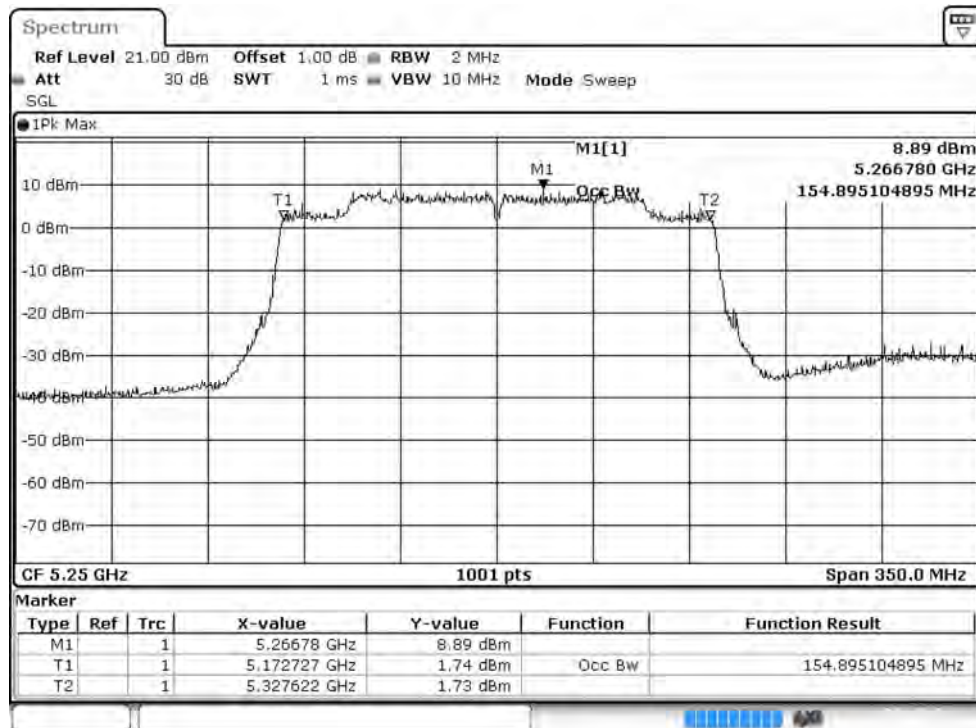
Cable loss=1.0dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
50 (U-NII-1)	5250	10.37	10.32	10.29	10.25	10.20	10.17	10.12	10.08	10.05	10.00	9.96	9.92
50 (U-NII-2A)	5250	10.34	10.31	10.28	10.25	10.21	10.19	10.16	10.12	10.10	10.07	10.05	10.01
114	5570	14.85	14.83	14.79	14.75	14.73	14.71	14.68	14.64	14.61	14.58	14.55	14.51

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

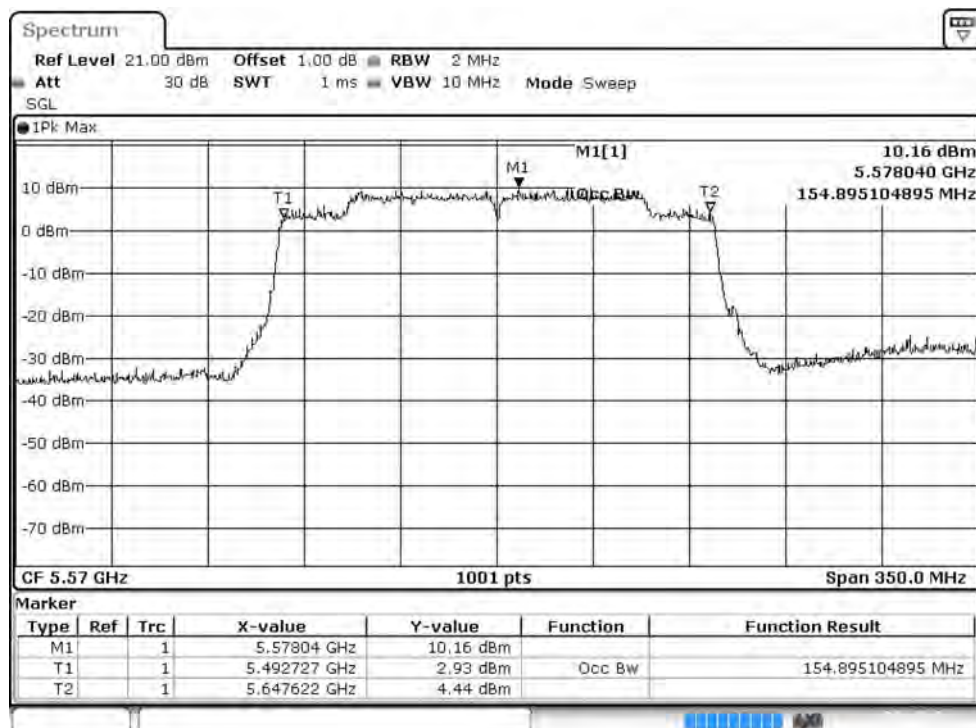
Maximum conducted output power Measurement:

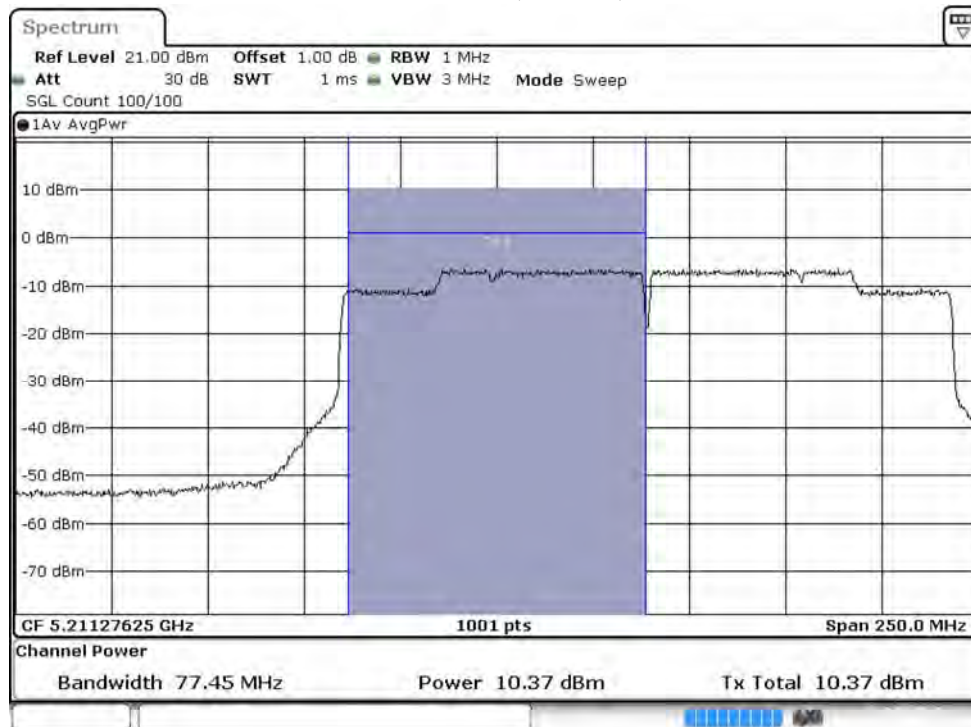
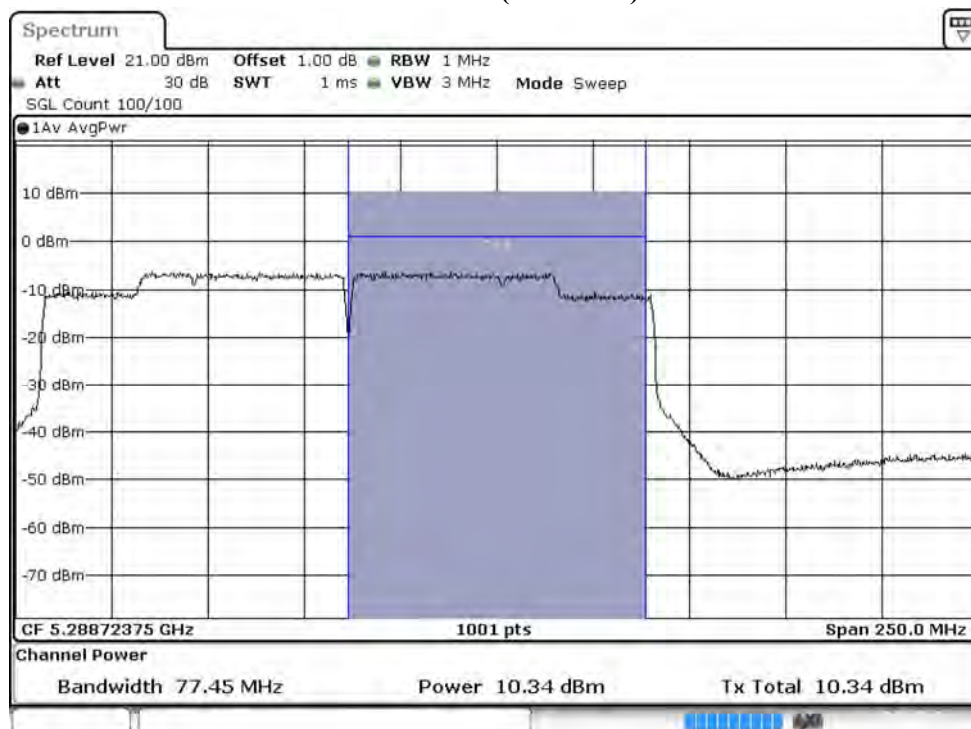
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
50 (U-NII-1)	5250	--	10.37	24	--
50 (U-NII-2A)	5250	77.448	10.34	24	29.89
114	5570	154.895	14.85	24	32.90

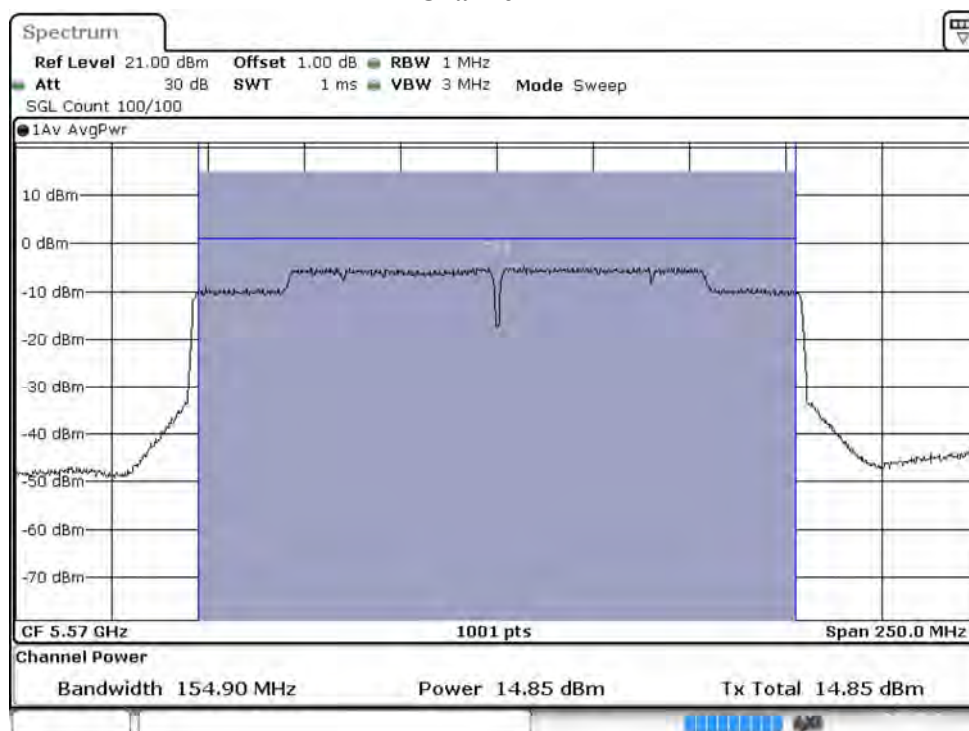
**99% Occupied Bandwidth:
Channel 50**



Channel 114



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

Maximum conducted output power:**Channel 114**

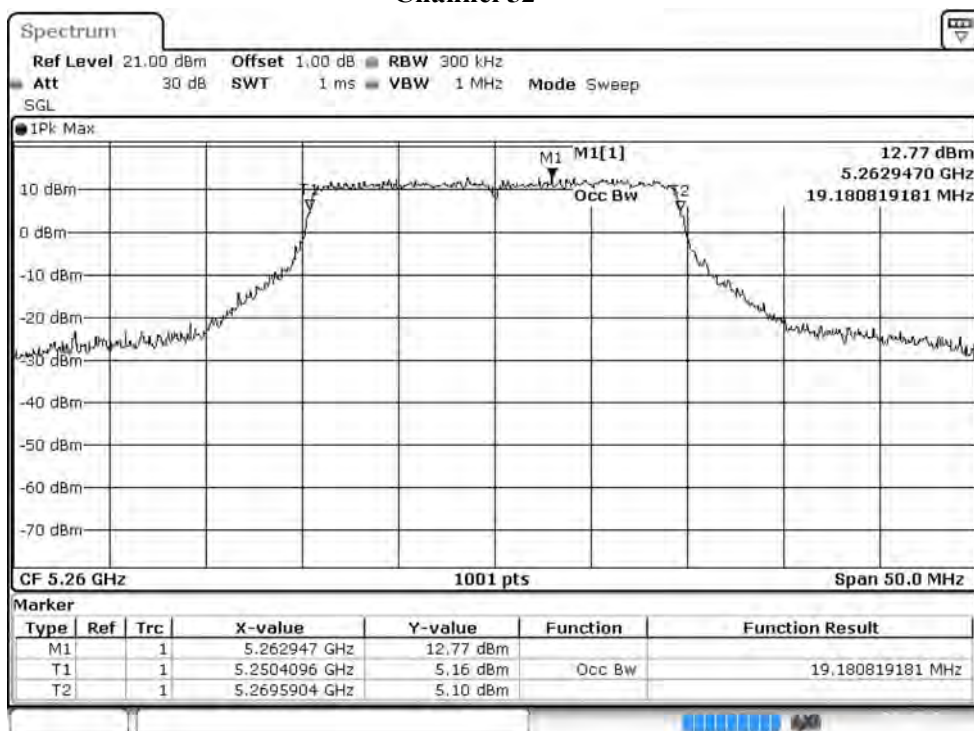
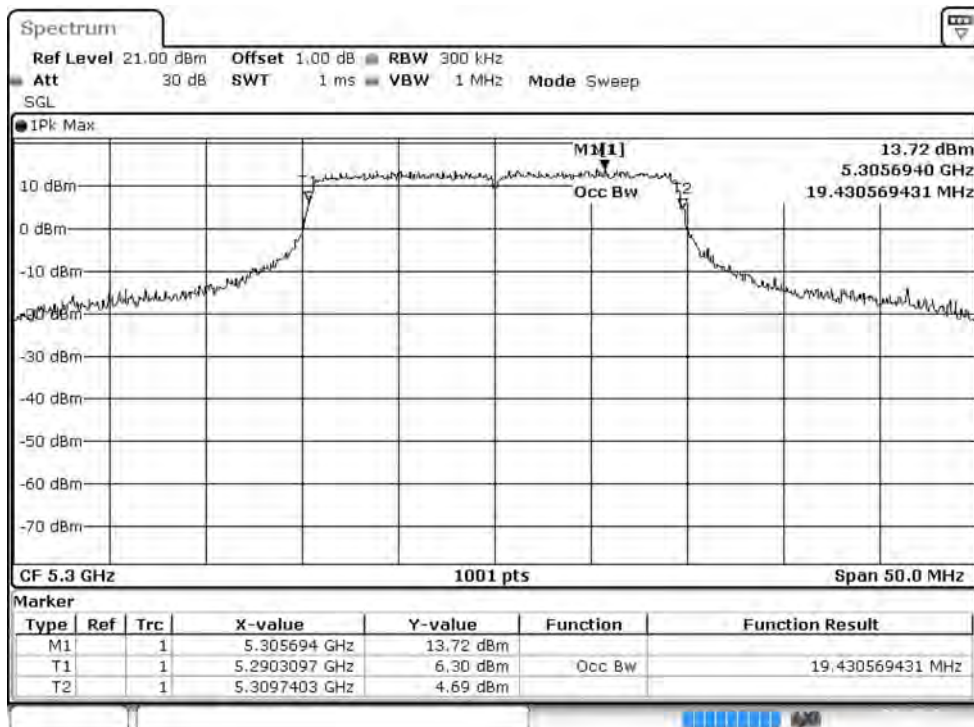
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 15: SISO B: Transmit (802.11ax-20BW_8.6Mbps)

Cable loss=1.0dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
36	5180	16.95	--	--	--	--	--	--	--	--	--	--	--
44	5220	16.84	16.81	16.78	16.74	16.72	16.69	16.65	16.62	16.60	16.58	16.54	16.51
48	5240	17.02	--	--	--	--	--	--	--	--	--	--	--
52	5260	19.47	--	--	--	--	--	--	--	--	--	--	--
60	5300	20.71	20.68	20.65	20.62	20.59	20.55	20.53	20.50	20.48	20.45	20.41	20.38
64	5320	17.25	--	--	--	--	--	--	--	--	--	--	--
100	5500	18.31	--	--	--	--	--	--	--	--	--	--	--
116	5580	20.57	20.53	20.51	20.48	20.44	20.41	20.38	20.36	20.32	20.29	20.25	20.23
140	5700	18.52	--	--	--	--	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.57	18.53	18.50	18.46	18.42	18.39	18.35	18.33	18.28	18.24	18.21	18.18
144(U-NII-3)	5720	13.55	13.52	13.49	13.46	13.42	13.40	13.38	13.35	13.31	13.28	13.24	13.21
149	5745	20.16	--	--	--	--	--	--	--	--	--	--	--
157	5785	20.53	20.51	20.48	20.45	20.42	20.40	20.38	20.35	20.33	20.30	20.27	20.24
165	5825	19.87	--	--	--	--	--	--	--	--	--	--	--

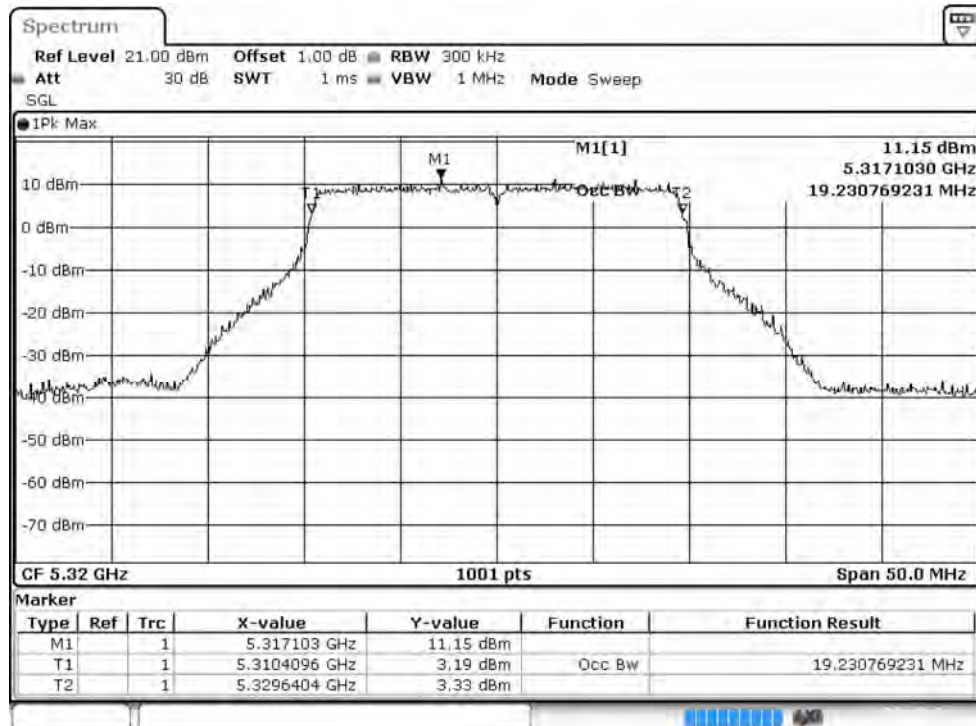
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

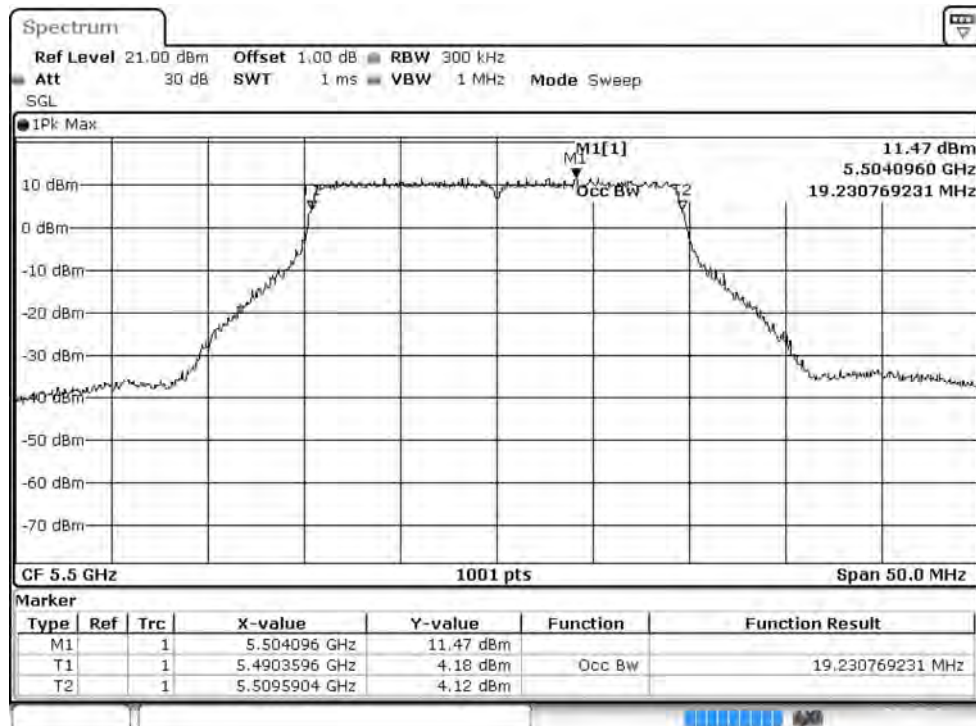
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	16.95	24	--
44	5220	--	16.84	24	--
48	5240	--	17.02	24	--
52	5260	19.180	19.47	24	23.83
60	5300	19.430	20.71	24	23.88
64	5320	19.230	17.25	24	23.84
100	5500	19.230	18.31	24	23.84
116	5580	19.380	20.57	24	23.87
140	5700	19.230	18.52	24	23.84
144(U-NII-2C)	5720	14.665	18.57	24	22.66
144(U-NII-3)	5720	--	13.55	30	--
149	5745	--	20.16	30	--
157	5785	--	20.53	30	--
165	5825	--	19.87	30	--

99% Occupied Bandwidth:**Channel 52****Channel 60**

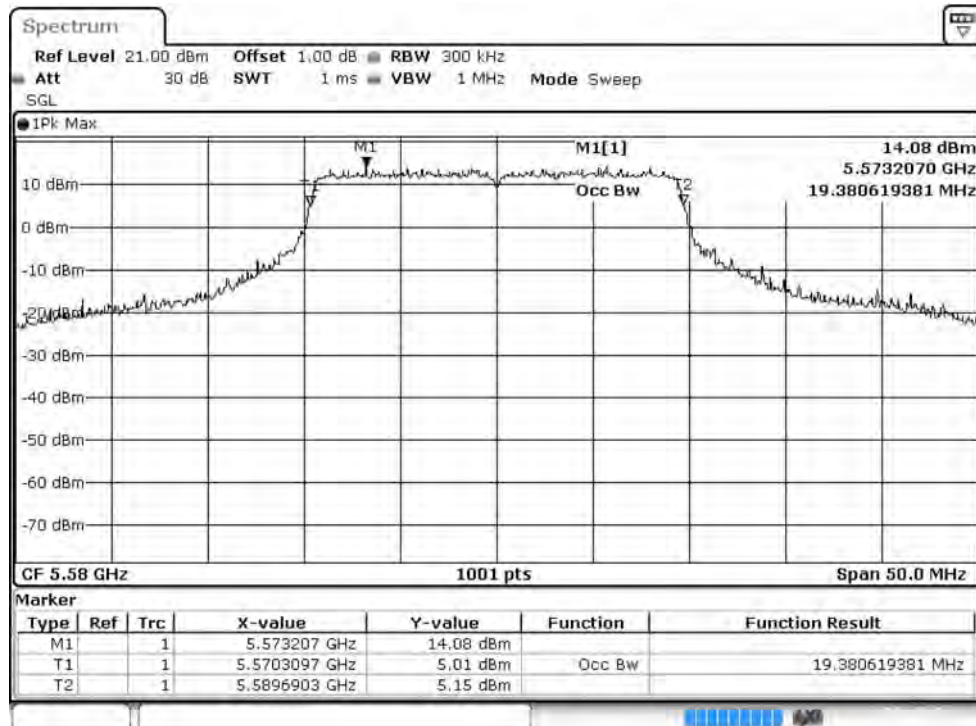
Channel 64



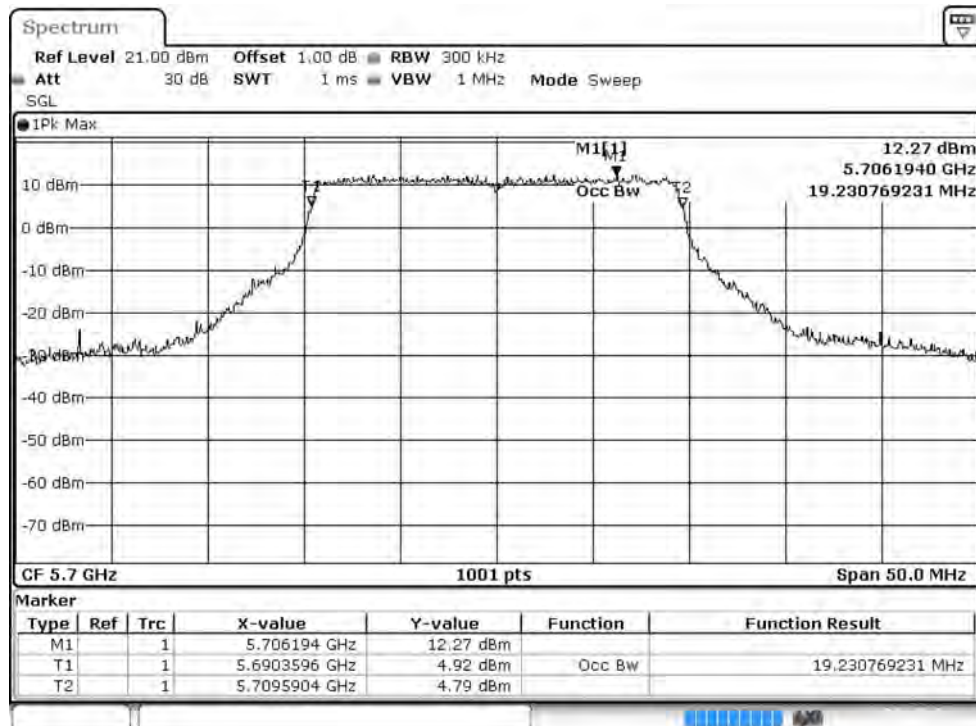
Channel 100



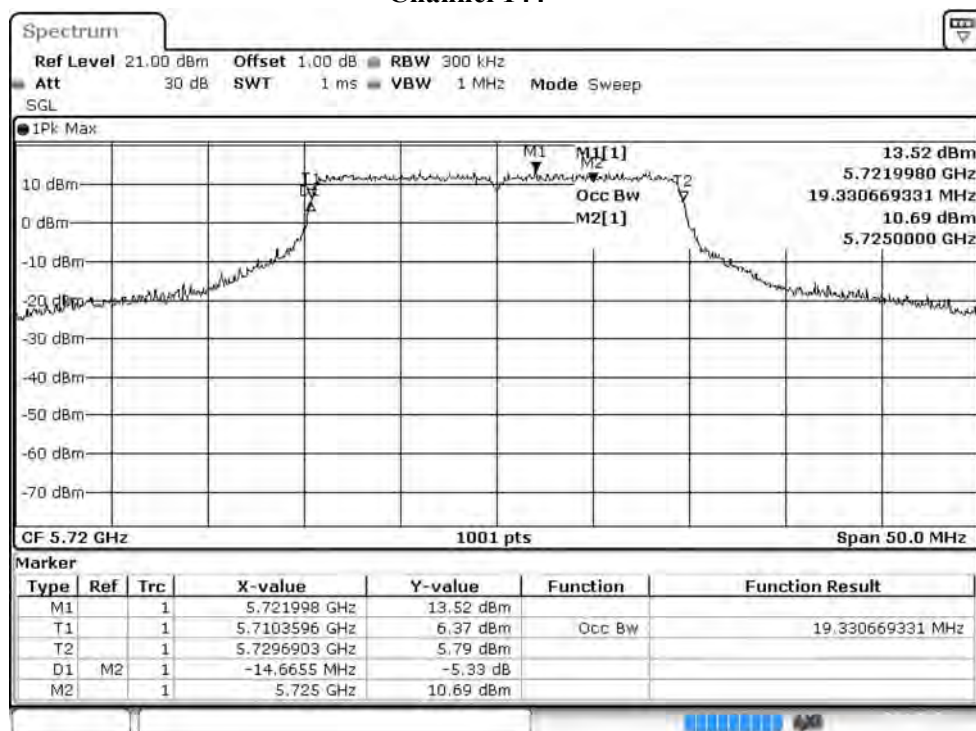
Channel 116

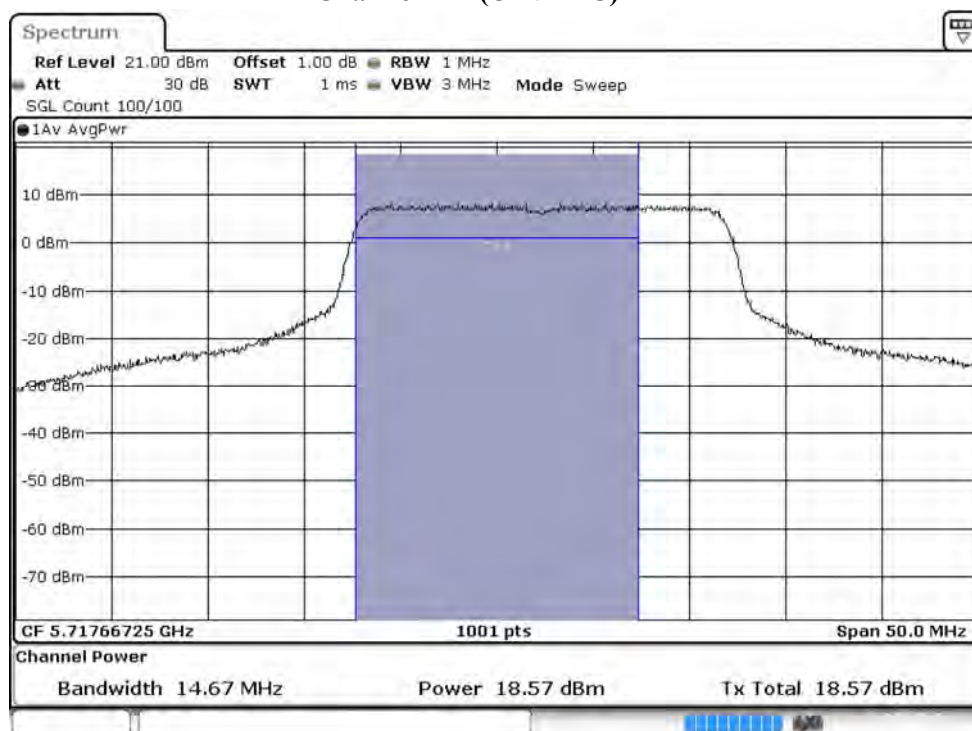
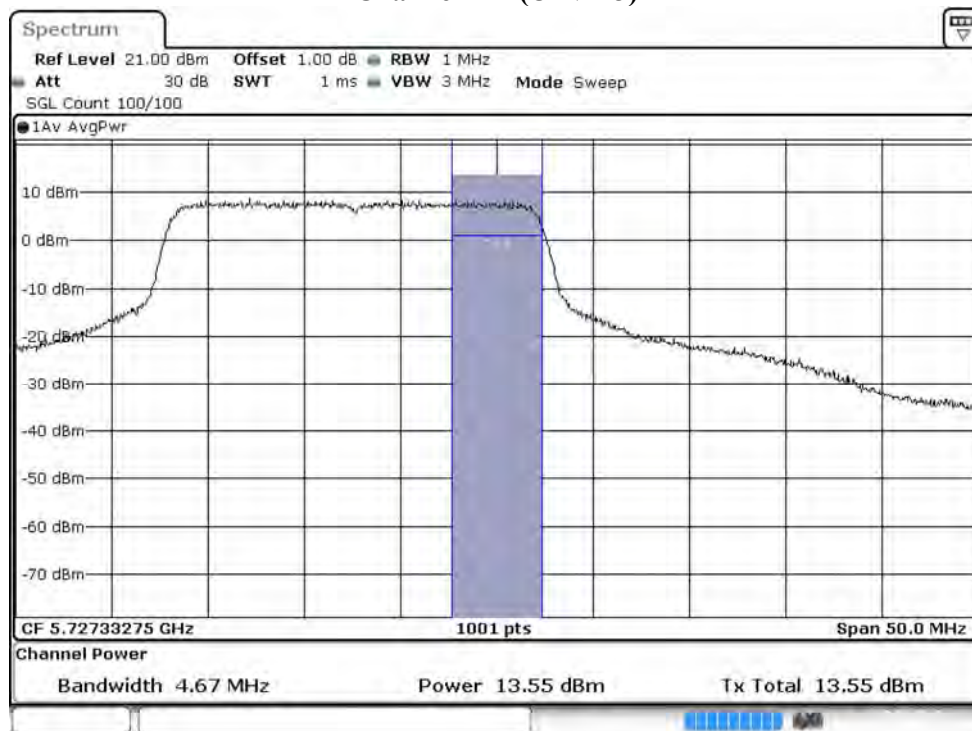


Channel 140



Channel 144



Maximum conducted output power:**Channel 144 (U-NII-2C)****Maximum conducted output power:****Channel 144 (U-NII-3)**

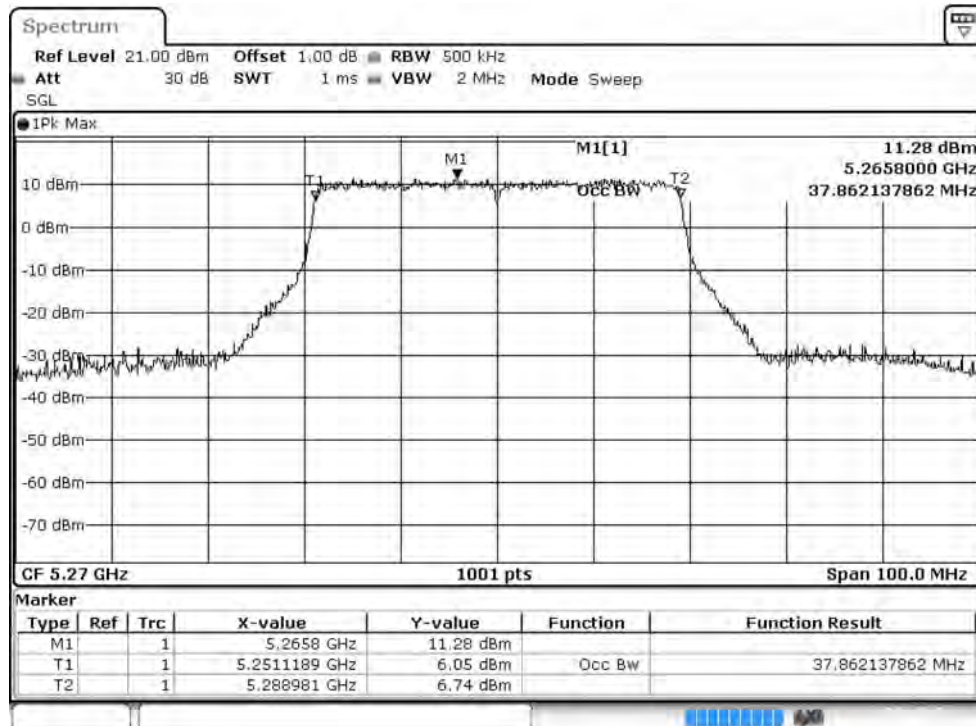
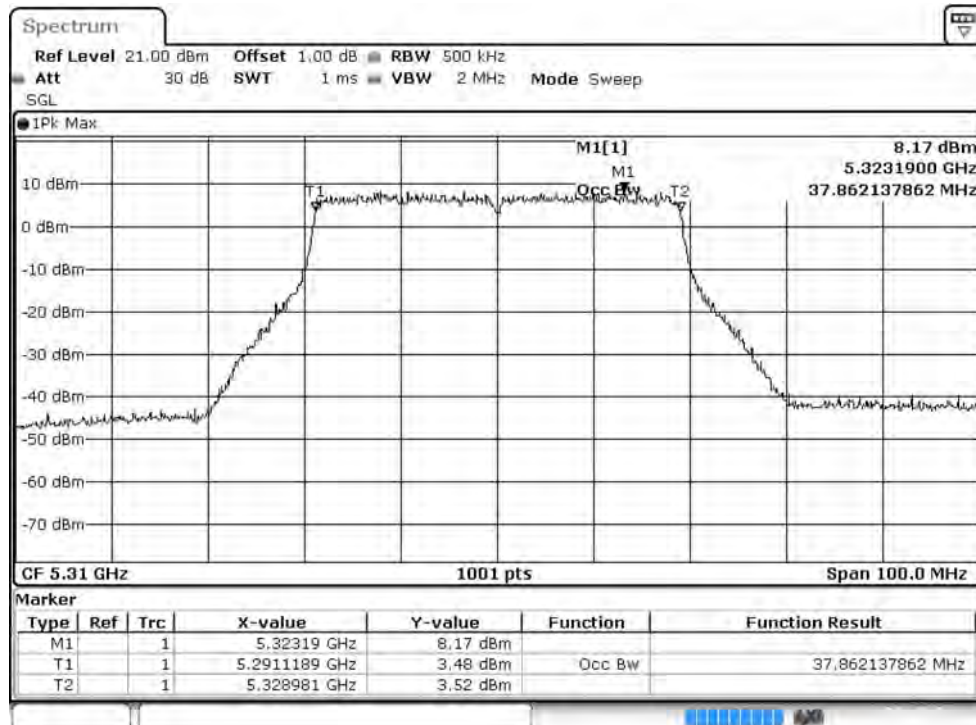
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 16: SISO B: Transmit (802.11ax-40BW_17.2Mbps)

Cable loss=1.0dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
38	5190	17.46	--	--	--	--	--	--	--	--	--	--	--
46	5230	17.61	17.58	17.55	17.52	17.49	17.45	17.42	17.40	17.38	17.34	17.31	17.28
54	5270	18.73	--	--	--	--	--	--	--	--	--	--	--
62	5310	15.34	15.31	15.28	15.25	15.21	15.19	15.15	15.13	15.10	15.08	15.06	15.02
102	5510	17.81	--	--	--	--	--	--	--	--	--	--	--
110	5550	19.67	19.63	19.59	19.55	19.51	19.48	19.45	19.39	19.37	19.33	19.27	19.23
134	5670	18.92	--	--	--	--	--	--	--	--	--	--	--
142(U-NII-2C)	5710	19.96	19.93	19.89	19.85	19.82	19.77	19.75	19.71	19.68	19.65	19.62	19.57
142(U-NII-3)	5710	10.49	10.45	10.41	10.36	10.33	10.29	10.26	10.21	10.18	10.14	10.09	10.06
151	5755	20.76	--	--	--	--	--	--	--	--	--	--	--
159	5795	19.91	19.88	19.85	19.82	19.78	19.76	19.72	19.70	19.68	19.66	19.61	19.58

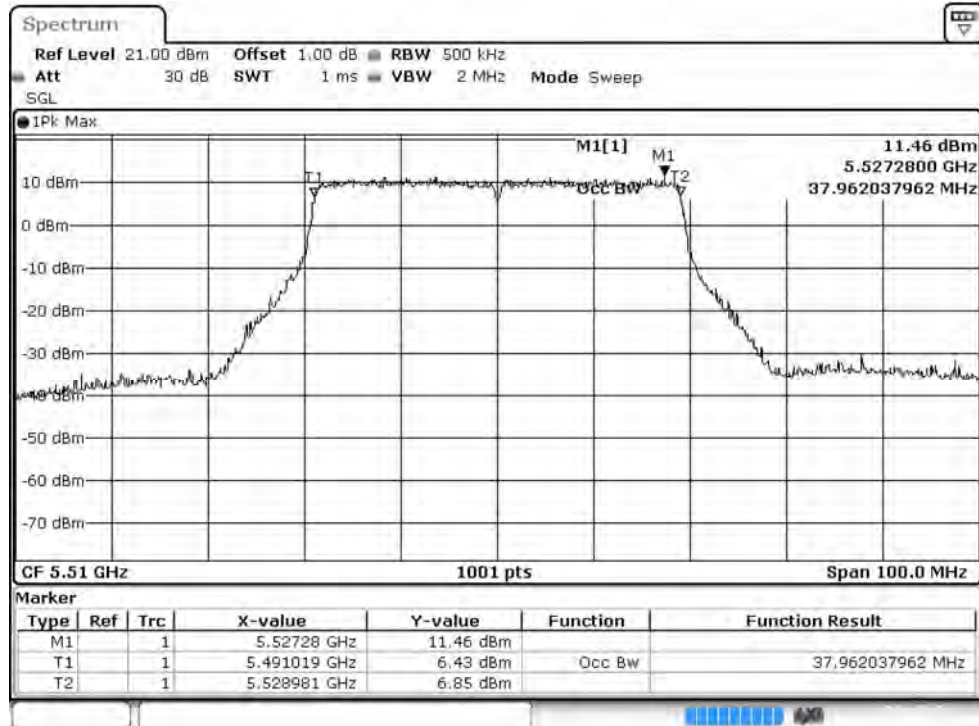
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

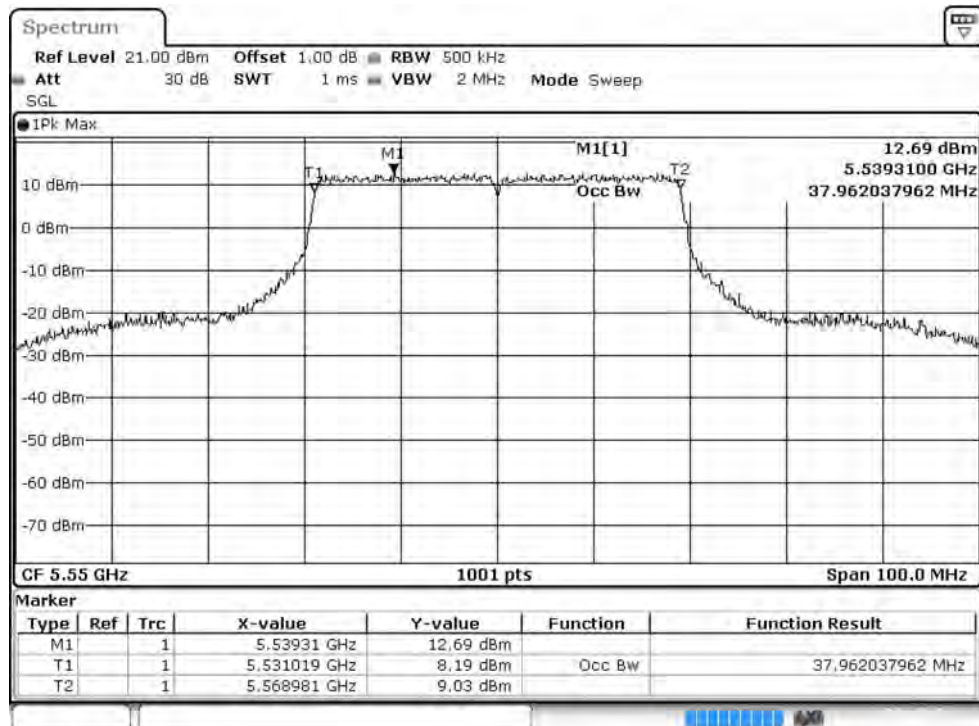
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
38	5190	--	17.46	24	--
46	5230	--	17.61	24	--
54	5270	37.862	18.73	24	26.78
62	5310	37.862	15.34	24	26.78
102	5510	37.962	17.81	24	26.79
110	5550	37.962	19.67	24	26.79
134	5670	37.962	18.92	24	26.79
142(U-NII-2C)	5710	34.181	19.96	24	26.34
142(U-NII-3)	5710	--	10.49	30	--
151	5755	--	20.76	30	--
159	5795	--	19.91	30	--

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

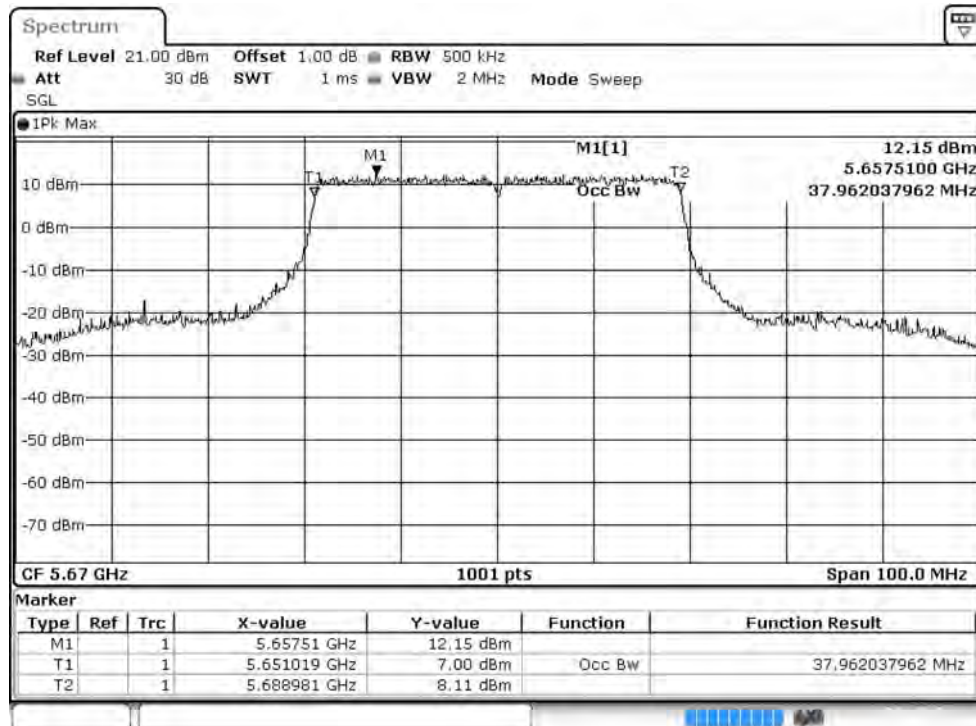
Channel 102



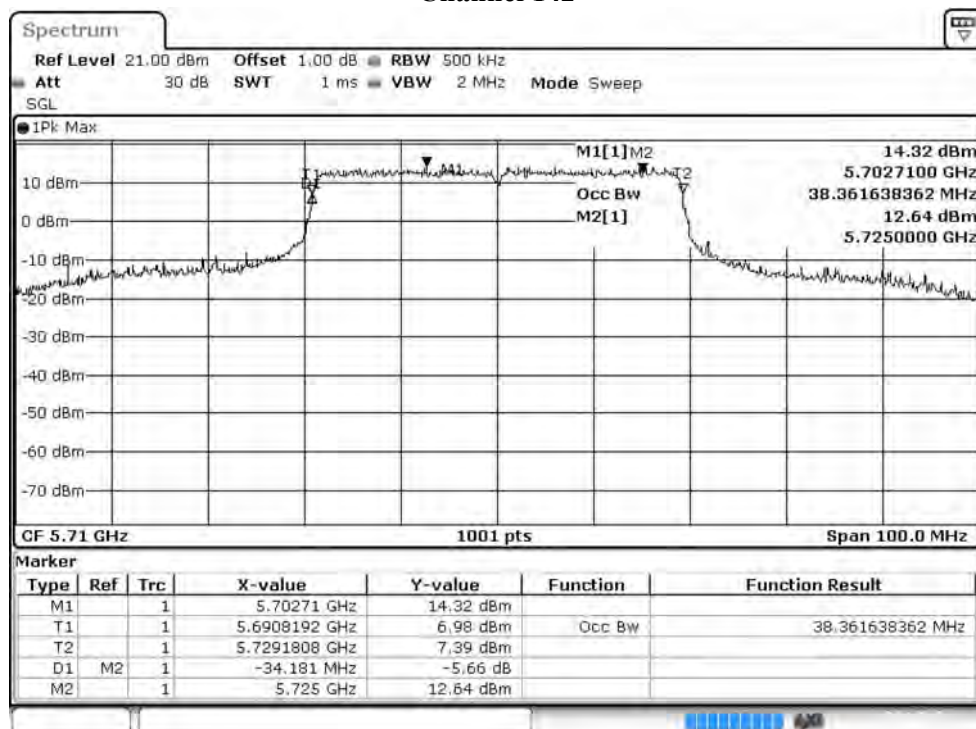
Channel 110

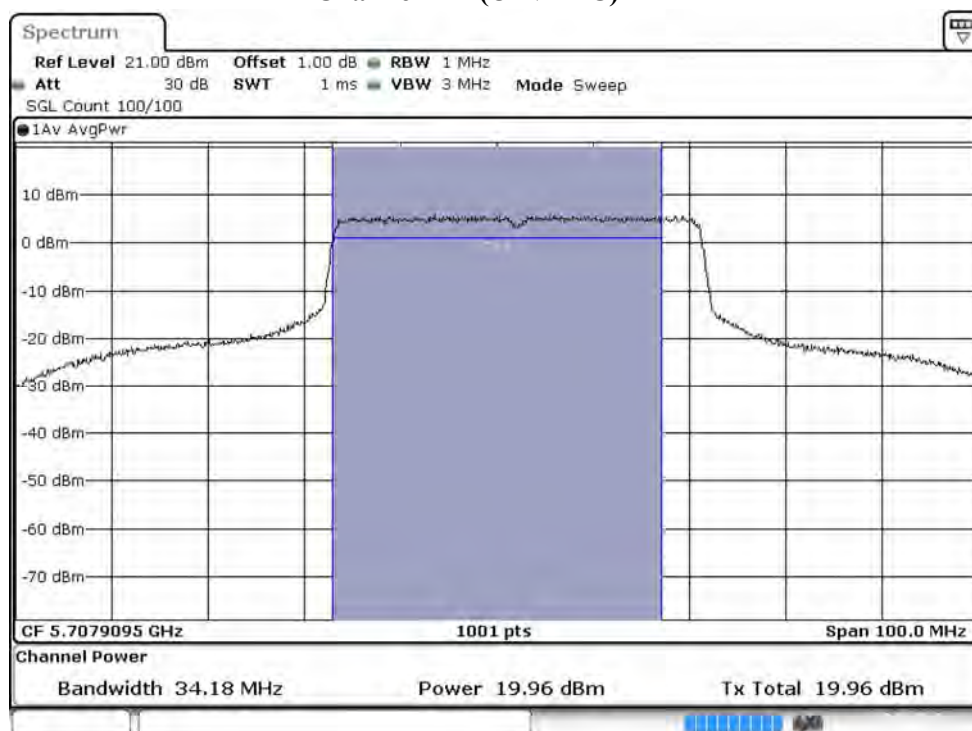
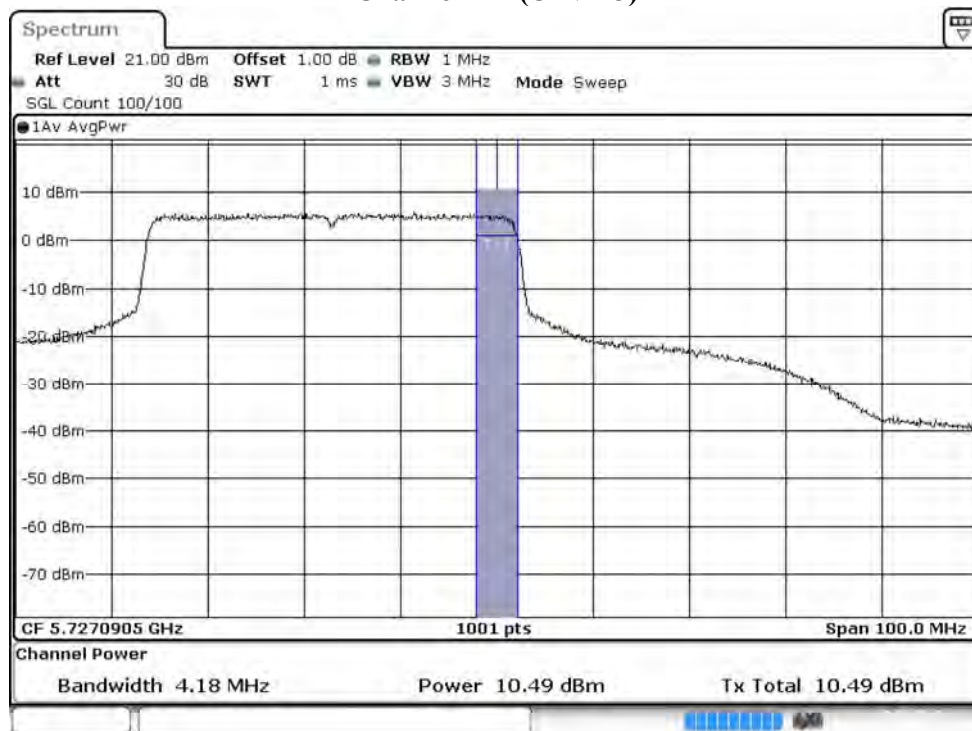


Channel 134



Channel 142



Maximum conducted output power:**Channel 142 (U-NII-2C)****Maximum conducted output power:****Channel 142 (U-NII-3)**

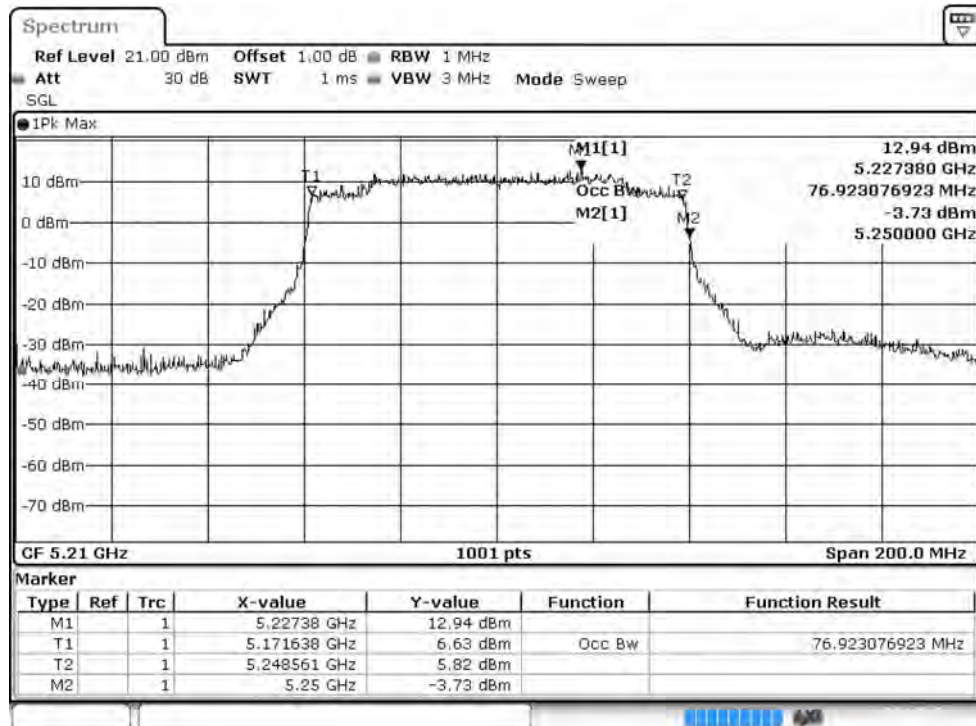
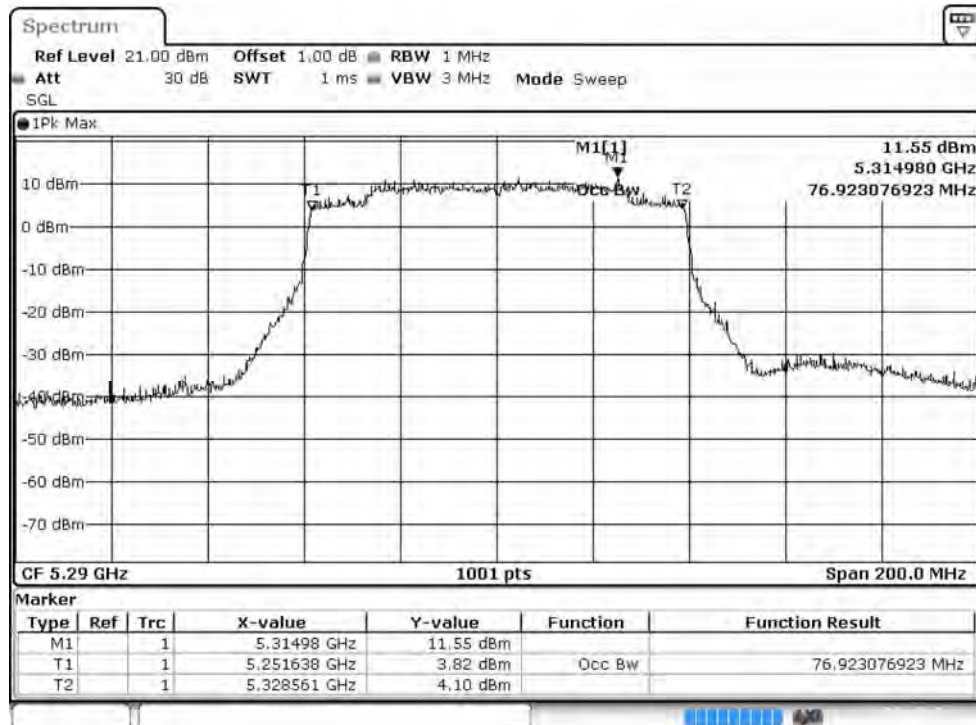
Product : Intel® Wi-Fi 6 AX200
 Test Item : Maximum conducted output power
 Test Date : 2019/03/28
 Test Mode : Mode 17: SISO B: Transmit (802.11ax-80BW_36Mbps)

Cable loss=1.0dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	17.33	17.31	17.29	17.27	17.24	17.23	17.21	17.18	17.16	17.12	17.08	17.05
58	5290	16.59	16.55	16.52	16.49	16.44	16.41	16.37	16.34	16.30	16.28	16.23	16.21
106	5530	17.57	--	--	--	--	--	--	--	--	--	--	--
122	5610	18.84	18.81	18.78	18.75	18.71	18.69	18.67	18.63	18.60	18.58	18.54	18.51
138 (U-NII-2C)	5690	19.75	--	--	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	3.98	--	--	--	--	--	--	--	--	--	--	--
155	5775	18.65	18.62	18.59	18.56	18.53	18.50	18.48	18.45	18.41	18.38	18.36	18.32

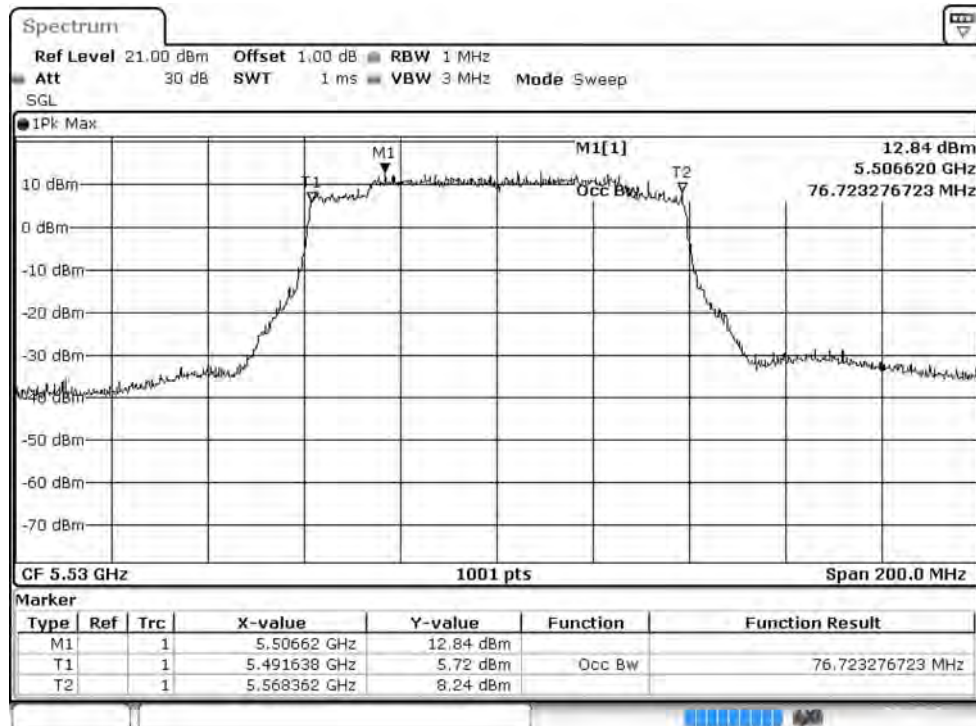
Note: Maximum conducted output power Value = Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

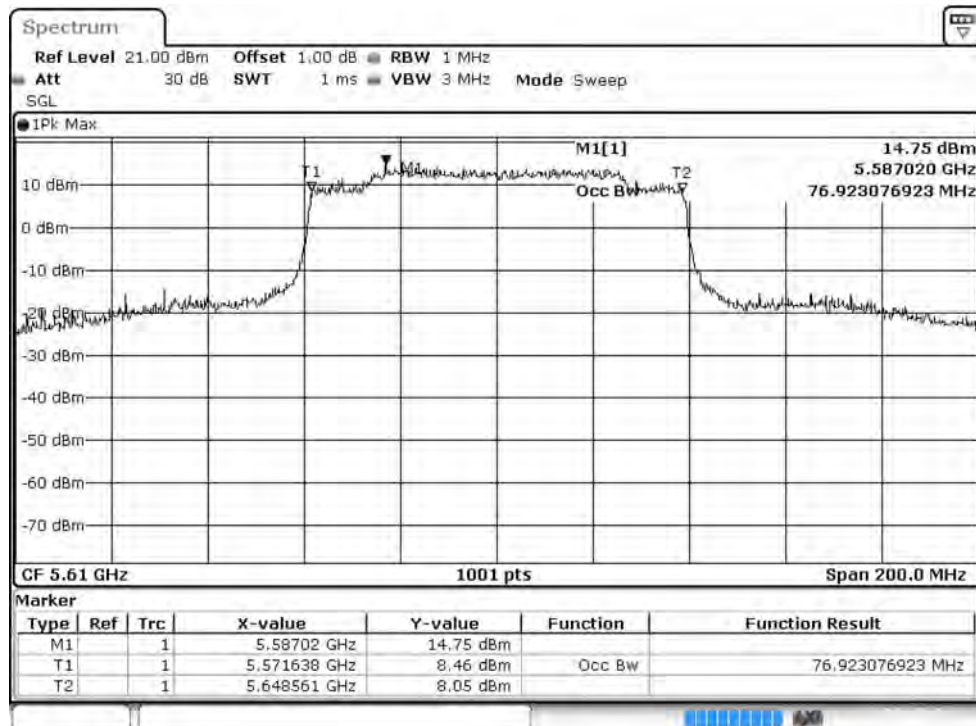
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
42	5210	--	17.33	24	--
58	5290	76.923	16.59	24	29.86
106	5530	76.723	17.57	24	29.85
122	5610	76.923	18.84	24	29.86
138 (U-NII-2C)	5690	73.662	19.75	24	29.67
138 (U-NII-3)	5690	--	3.98	30	--
155	5775	--	18.65	30	--

99% Occupied Bandwidth:**Channel 42****Channel 58**

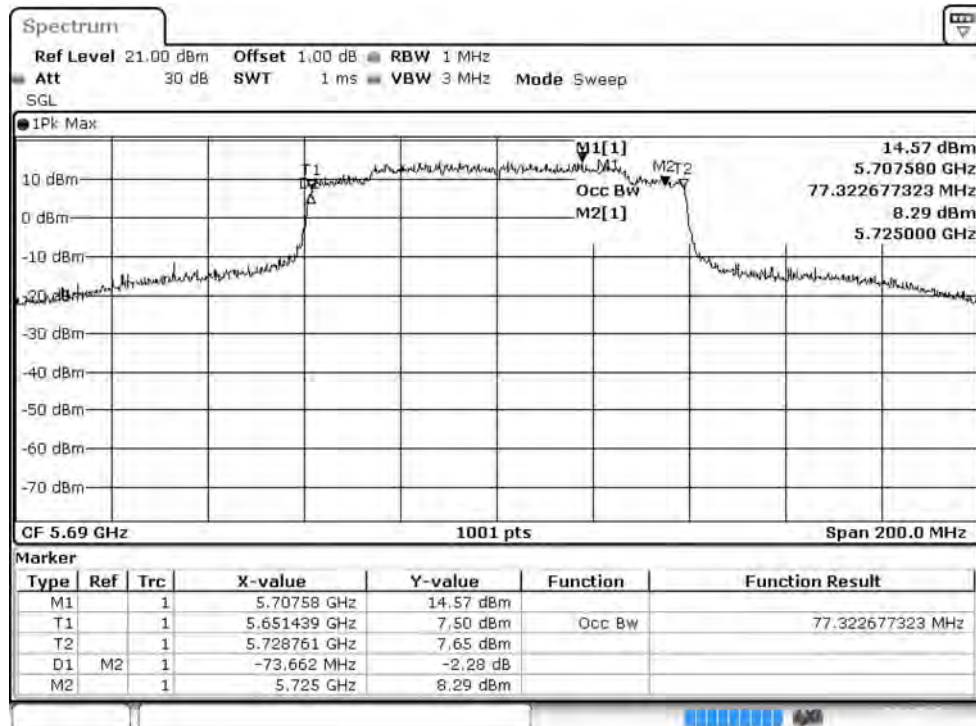
Channel 106



Channel 122



Channel 138



Channel 155

