FCC Test Report

(Class II Permissive Change)

Product Name	Intel® Wi-Fi 6E AX211
Model No	AX211NGW
FCC ID	PD9AX211NG

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

Date of Receipt	Aug. 22, 2021
Issued Date	Oct. 08, 2021
Report No.	2180902R-RFUSWL5V01
Report Version	V1.0

Testing Laboratory
3023

The test results relate only to the samples tested.
The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
This report must not be used to claim product endorsement by TAF or any agency of the government.
The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test Report

Issued Date: Oct. 08, 2021
Report No.: 2180902R-RFUSWL5V01

Product Name	Intel® Wi-Fi 6E AX211
Applicant	Intel Corporation
Address	100 Center Point Circle Suite 200 Columbia, South Carolina 29210, United States
Manufacturer	INTEL MOBILE COMMUNICATIONS
Model No.	AX211NGW
FCC ID.	PD9AX211NG
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 ANSI C63.4: 2014, ANSI C63.10: 2013 KDB Publication 789033
Test Result	Complied

Documented By : Genie Chang

(Senior Project Specialist / Genie Chang)

Tested By : Ivan Chuang

(Senior Engineer / Ivan Chuang)

Approved By : Alan Chen

(Senior Engineer / Alan Chen)

TABLE OF CONTENTS

Revision History

Report No.	Version	Description	Issued Date
2180902R-RFUSWL5V01	V1.0	Initial issue of report.	2021-10-08

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Intel® Wi-Fi 6E AX211
Trade Name	Intel
FCC ID.	PD9AX211NG
Model No.	AX211NGW
Frequency Range	802.11a/n/ax-20MHz: 5180-5320MHz, 5500-5700MHz, 5720MHz, 5745-5825MHz 802.11n/ax-40MHz: 5190-5310MHz, 5510-5670MHz, 5710MHz, 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 Speed	802.11a: 6 - 54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2402Mbps
Channel Control	Auto
Type of Modulation	802.11a/n/ac/ax: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Antenna type	PIFA Antenna
Antenna Gain	Refer to the table “Antenna List”
Power Adapter	MFR: FSP , M/N: FSP065-A1BR3 Input: AC 100-240V, 50-60Hz, 1.7A Output: DC 5V,3A 15W,9V,3A 27W, 12V,3A 36W,15V,3A 45W,20V,3.25A 65W Cable Out: Non-shielded, 1.8m Power Cord: Non-shielded, 0.9m
Contain Module	Intel / AX211NGW

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Auden	ANTRP5C119-1801 (Main) ANTRP5C119-1802 (Aux)	PIFA	3.89dBi For 5.15~5.25GHz 3.89dBi For 5.25~5.35GHz 4.02dBi For 5.47~5.725GHz 3.19dBi For 5.725~5.825GHz

Note: The antenna of EUT is conform to FCC 15.203

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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 36:	5180 MHz	Channel 40:	5200 MHz	Channel 44:	5220 MHz	Channel 48:	5240 MHz
Channel 52:	5260 MHz	Channel 56:	5280 MHz	Channel 60:	5300 MHz	Channel 64:	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 38:	5190 MHz	Channel 46:	5230 MHz	Channel 54:	5270 MHz	Channel 62:	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 42:	5210 MHz	Channel 58:	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 6E AX211 with built-in WLAN and Bluetooth transceiver, this report for WLAN 5GHz.
2. The EUT is including four models for different marketing requirement.
3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
4. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report.
5. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart E for Unlicensed National Information Infrastructure devices.
6. At result of pretests, module supports dual-channel transmission, only the worst case is shown in the report.
7. This is to request a Class II permissive change for FCC ID: PD9AX211NG, originally granted on 02/17/2021.
   The major change filed under this application is:
   Change #1: Additional Chassis added, Product name: Laptop ,Model number: RC57
   Change #2: Reduce the Output Power through firmware, and SAR measurement were evaluated.
   (Only reduce Wi-Fi Output Power, Bluetooth Output Power haven't changes).
   Change #3: Addition one antennas, the antenna type is same, the antenna gain is highter than the original application.

Test Mode (5GHz)	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)

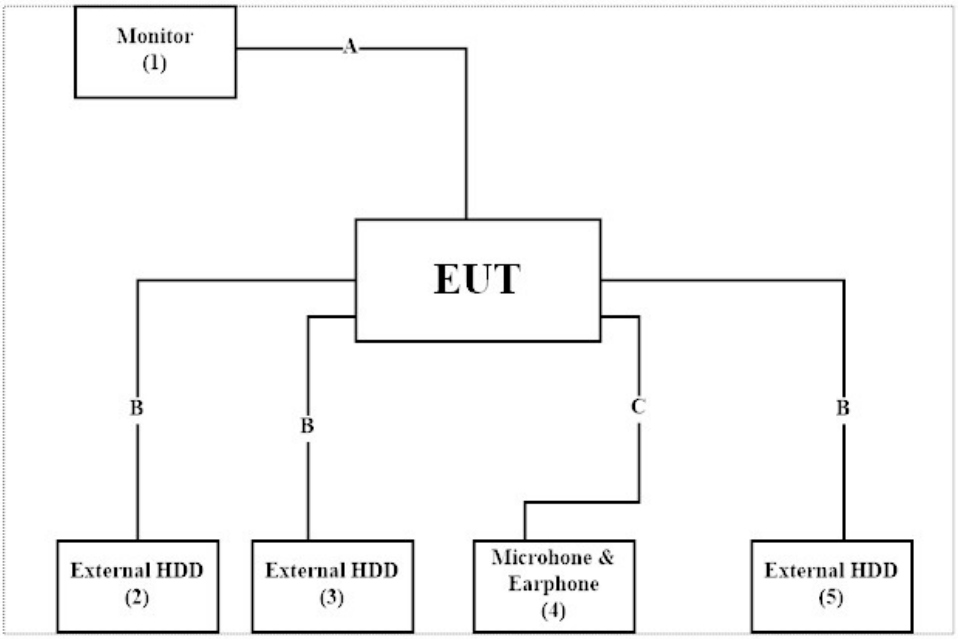
1.2. Tested System Datails

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	Monitor	ASUS	VS229HA	F4LMQS135395	Non-shielded, 1.8m
2	External HDD	Transcend	TS1TSJ25H3B	F21786-0005	N/A
3	External HDD	Transcend	TS1TSJ25H3B	F21786-0125	N/A
4	Microphone & Earphone	Verbatim	C09024VB	N/A	N/A
5	External HDD	Transcend	TS1TSJ25MC	F30467-0011	N/A

Signal Cable Type		Signal cable Description
A	HDMI Cable	Shielded, 1.8m
B	USB Cable	Shielded, 0.5m
C	Microphone & Earphone Cable	Non-shielded, 1.2m

1.3. Configuration of tested System



1.4. EUT Exercise Software

1. Setup the EUT as shown in Section 1.3.
2. Execute software “DRTU Ver 22.21060.0-12219” on the EUT.
3. Configure the test mode, the test channel, and the data rate.
4. Press “OK” to start the continuous Transmit.
5. Verify that the EUT works properly.

1.5. Test Facility

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual
Radiated Emission	Temperature (°C)	10~40 ℃	22.0℃
	Humidity (%RH)	10~90 %	63.0 %
Conductive	Temperature (°C)	10~40 ℃	23.6 ℃
	Humidity (%RH)	10~90 %	50.8%

USA : FCC Registration Number: TW0033

Canada : IC Registration Number: 26930

Site Description : Accredited by TAF
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd
Address : No. 26, Huaya 1st Rd., Guishan Dist.,
Taoyuan City 333411, Taiwan, R.O.C.
Phone number : 886-3-275-7255
Fax number : 866-3-327-5505
Email address : info.tw@dekra.com
Website : http://www.dekra.com.tw

1.6. List of Test Equipment

For Conduction measurements /SH1

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
	EMI Test Receiver	R&S	ESR7	102260	2020.12.28	2021.12.27
	Two-Line V-Network	R&S	ENV216	101306	2021.04.08	2022.04.07
	Two-Line V-Network	R&S	ENV216	101307	2021.05.04	2022.05.03
	Coaxial Cable	DEKRA	RG400_BNC	RF001	2021.05.24	2022.05.23

Note:
1. All equipments are calibrated every one year.
2. The test instruments marked with “X” are used to measure the final test results.
3. Test Software version : AUDIX e3 V9.

For Conducted measurements /SH2

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
X	Spectrum Analyzer	R&S	FSV30	103464	2021.03.25	2022.03.24
X	Power Meter	Anritsu	ML2496A	1548002	2021.02.24	2022.02.23
X	Power Sensor	Anritsu	MA2411B	1531023	2021.02.24	2022.02.23
X	Power Sensor	Anritsu	MA2411B	1531022	2021.02.24	2022.02.23

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

For Radiated measurements / 966-1

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
	Loop Antenna	AMETEK	HLA6121	56736	2021.04.14	2022.04.13
X	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-953	2021.01.29	2022.01.28
X	Horn Antenna	ETS-Lindgren	3117	00203799	2020.12.22	2021.12.21
X	Horn Antenna	Com-Power	AH-840	101087	2021.06.16	2022.06.15
X	Pre-Amplifier	EMCI	EMC001330	980302	2021.07.06	2022.07.05
X	Pre-Amplifier	EMCI	EMC051835SE	980312	2021.02.24	2022.02.23
	Pre-Amplifier	EMCI	EMC05820SE	980361	2020.12.21	2021.12.20
X	Pre-Amplifier	EMCI	EMC184045SE	980314	2021.06.24	2022.06.23
X	Filter	MICRO TRONICS	BRM50702	G251	2021.09.16	2022.09.15
	Filter	MICRO TRONICS	BRM50716	G188	2021.09.16	2022.09.15
X	EMI Test Receiver	R&S	ESR	102793	2020.12.17	2021.12.16
X	Spectrum Analyzer	R&S	FSV3044	101114	2021.02.04	2022.02.03
X	Coaxial Cable	SGH	HA800 , SGH18	HY2105-002C	2021.03.03	2022.03.02
X	Mircoflex Cable	HUBER SUHNER	SUCOFLEX 102	MY3381/2	2021.06.25	2022.06.24

Note:
1. All equipments are calibrated every one year.
2. The test instruments marked with “X” are used to measure the final test results.

Test Software version : AUDIX e3 V9.

1.7. Uncertainty

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

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

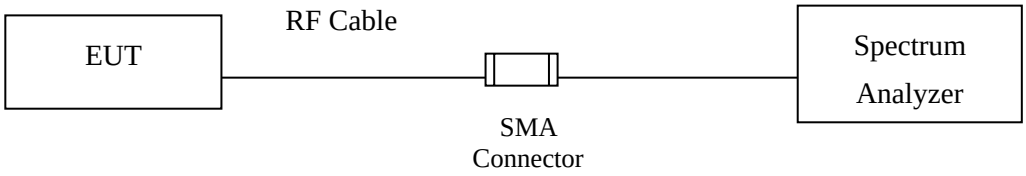
Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

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

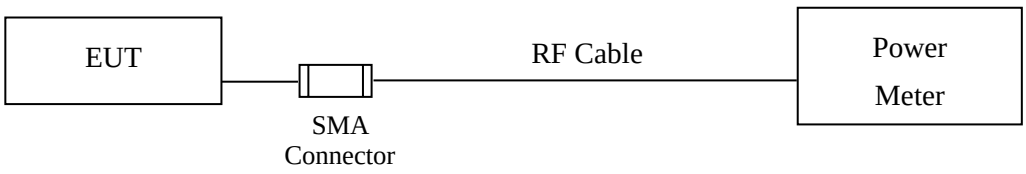
2. Maximun conducted output power

2.1. Test Setup

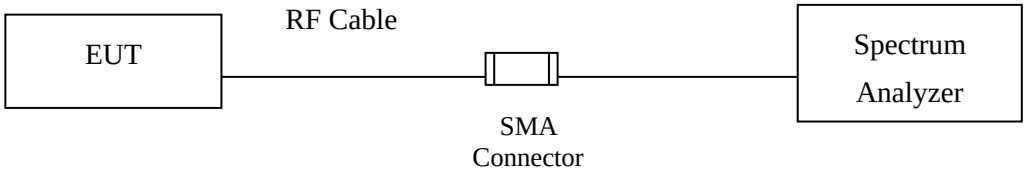
26dB Occupied Bandwidth



Conduction Power Measurement (for 802.11an)



Conduction Power Measurement (for 802.11ac)



2.2. Limits

2.2.1. 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-topoint 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.

2.2.2. 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 26 dB 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.

2.2.3. 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≦40MHz) Maximum conducted output power using KDB 789033 section E)3)b) Method PM-G (Measurement using a gated RF average power meter)
Note: the power meter have a video bandwidth that is greater than or equal to the measurement bandwidth, (Anritsu/ MA2411B video bandwidth: 65MHz)

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

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

2.4. Test Result of Maximum conducted output power

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/13
Test Mode : Mode 1 SISO A: Transmit (802.11a_6Mbps)

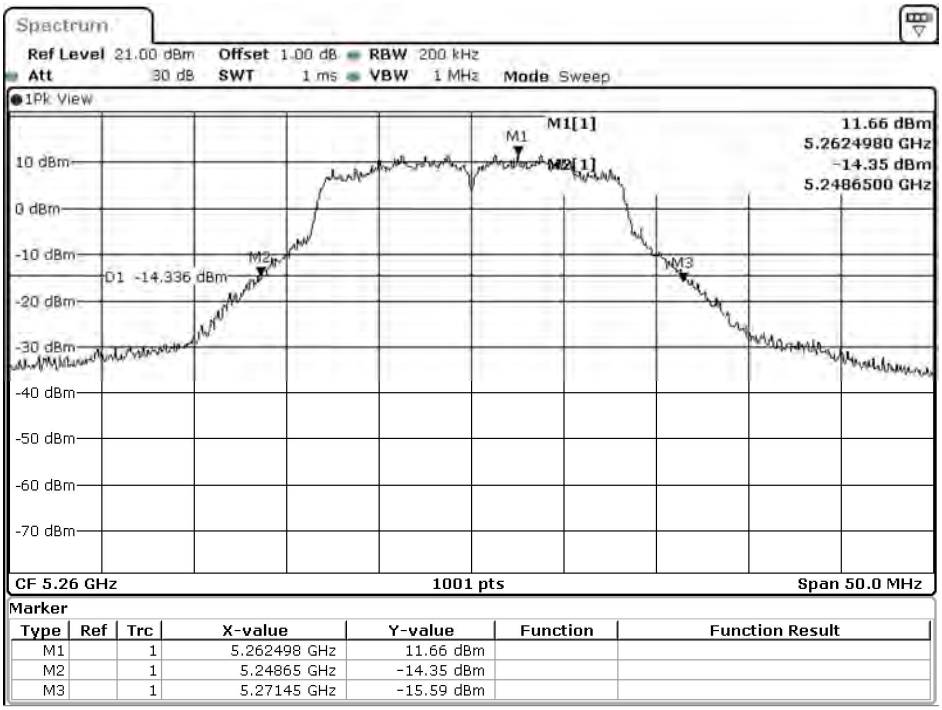
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
		Measurement Level (dBm)							
36	5180	19.34	--	--	--	--	--	--	--
40	5200	20.89	20.82	20.77	20.72	20.66	20.63	20.59	20.53
48	5240	20.76	--	--	--	--	--	--	--
52	5260	20.75	--	--	--	--	--	--	--
56	5280	20.72	20.68	20.62	20.57	20.52	20.48	20.42	20.37
64	5320	20.25	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	19.34	24	--	Pass
40	5200	--	20.89	24	--	Pass
48	5240	--	20.76	24	--	Pass
52	5260	22.800	20.75	24	24.58	Pass
56	5280	23.050	20.72	24	24.63	Pass
64	5320	22.750	20.25	24	24.57	Pass

26dB Occupied Bandwidth:
Channel 52



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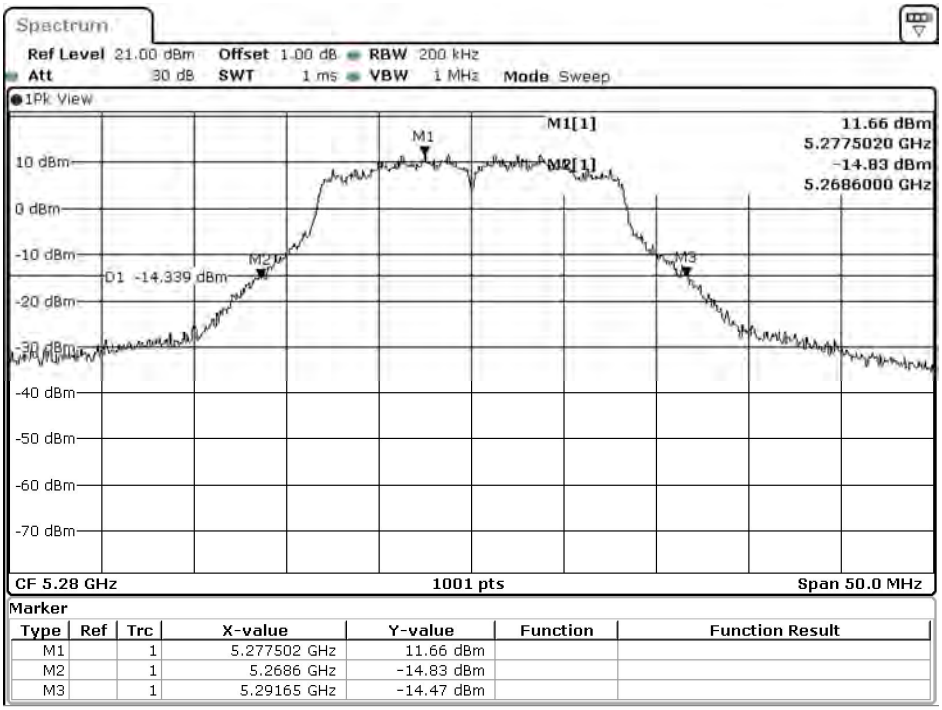
Channel 56



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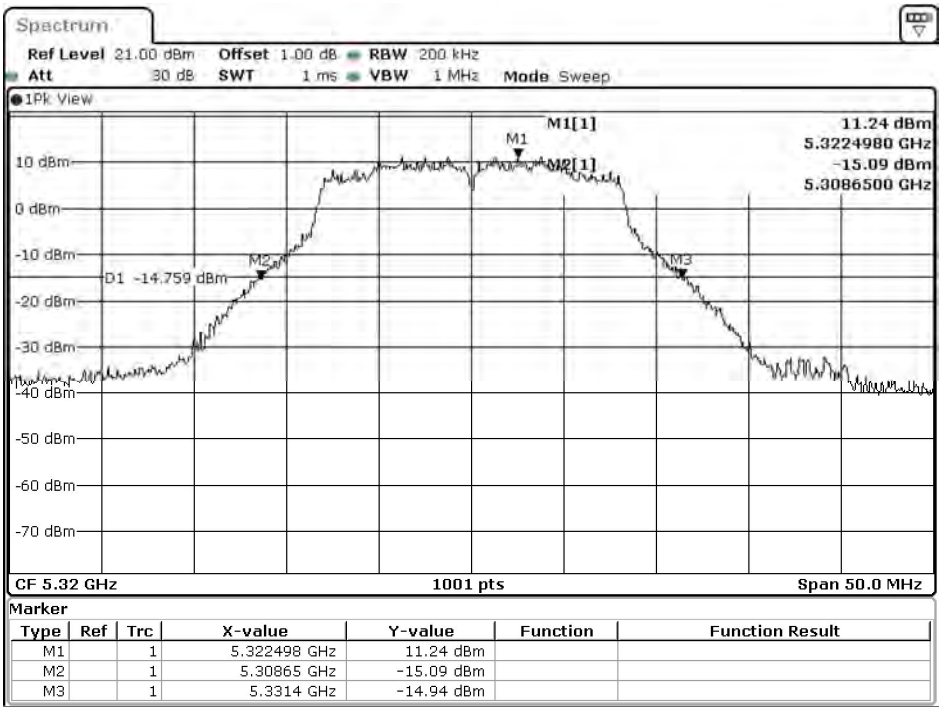
Channel 64



Date: 13.SEP.2021 16:42:27

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/13
Test Mode : Mode 2 SISO A: Transmit (802.11n-20BW_7.2Mbps)

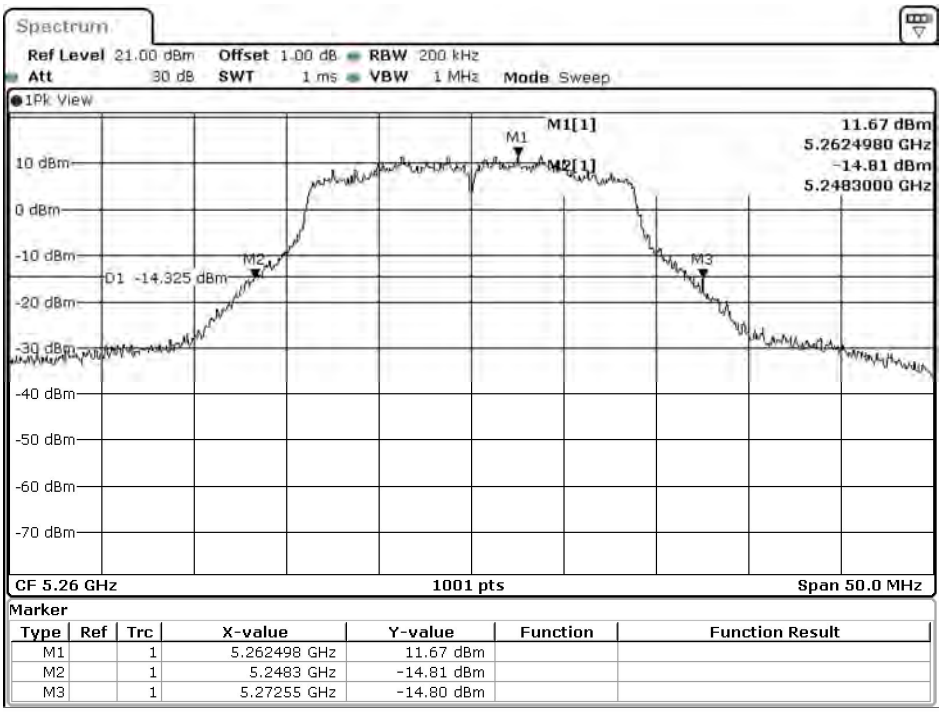
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7
		Measurement Level (dBm)							
36	5180	19.11	--	--	--	--	--	--	--
40	5200	20.66	20.61	20.58	20.51	20.47	20.43	20.39	20.34
48	5240	20.58	--	--	--	--	--	--	--
52	5260	20.67	--	--	--	--	--	--	--
56	5280	20.61	20.57	20.52	20.48	20.43	20.37	20.31	20.27
64	5320	19.87	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	19.11	24	--	Pass
40	5200	--	20.66	24	--	Pass
48	5240	--	20.58	24	--	Pass
52	5260	24.250	20.67	24	24.85	Pass
56	5280	23.300	20.61	24	24.67	Pass
64	5320	23.950	19.87	24	24.79	Pass

26dB Occupied Bandwidth:
Channel 52



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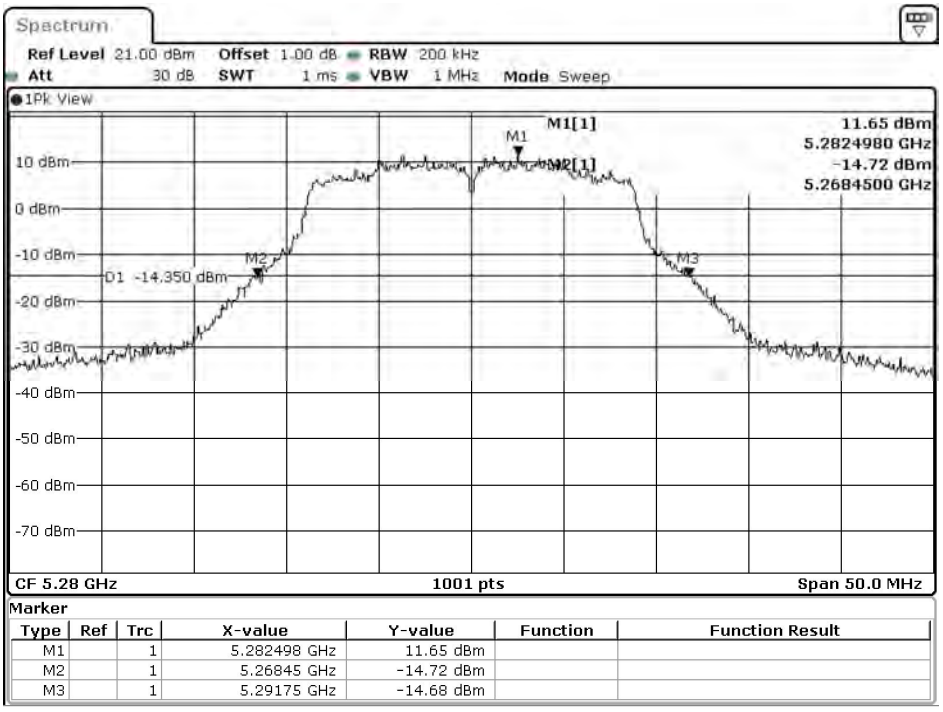
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.262498 GHz	11.67 dBm		
M2		1	5.2483 GHz	-14.81 dBm		
M3		1	5.27255 GHz	-14.80 dBm		

Date: 13.SEP.2021 16:56:50

Channel 56

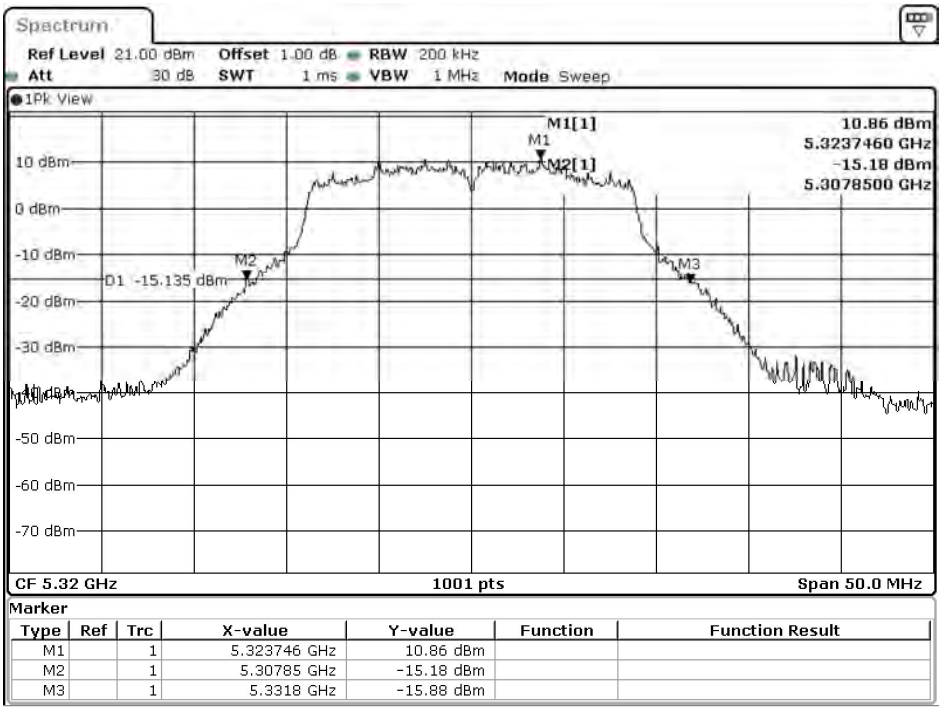


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.282498 GHz	11.65 dBm		
M2		1	5.26845 GHz	-14.72 dBm		
M3		1	5.29175 GHz	-14.68 dBm		

Date: 13.SEP.2021 16:58:54

Channel 64



Date: 13.SEP.2021 17:00:59

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/13
Test Mode : Mode 3 SISO A: Transmit (802.11n-40BW_15Mbps)

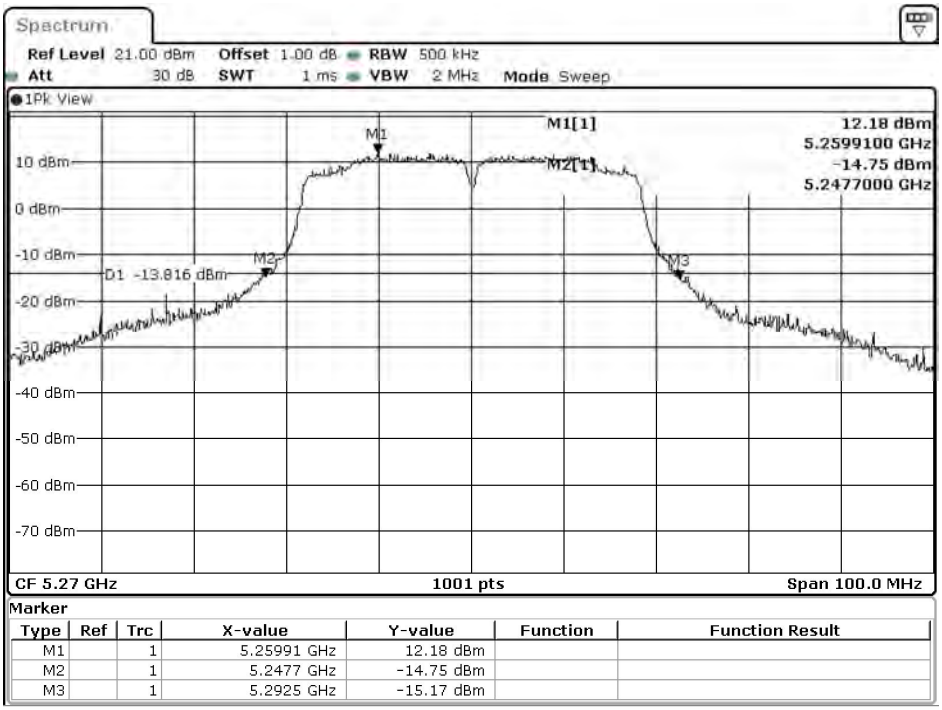
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7
		Measurement Level (dBm)							
38	5190	19.11	--	--	--	--	--	--	--
46	5230	20.75	20.70	20.64	20.60	20.56	20.49	20.46	20.40
54	5270	20.72	--	--	--	--	--	--	--
62	5310	17.85	17.81	17.78	17.71	17.65	17.61	17.56	17.52

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	--	19.11	24	--	Pass
46	5230	--	20.75	24	--	Pass
54	5270	44.800	20.72	24	27.51	Pass
62	5310	44.100	17.85	24	27.44	Pass

26dB Occupied Bandwidth:
Channel 54

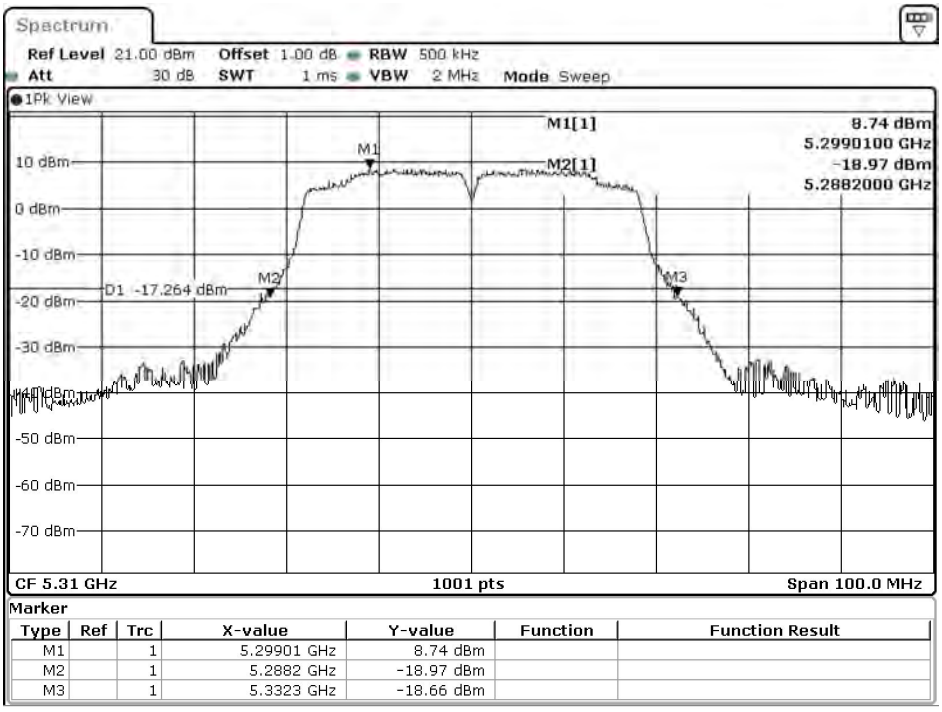


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.25991 GHz	12.18 dBm		
M2		1	5.2477 GHz	-14.75 dBm		
M3		1	5.2925 GHz	-15.17 dBm		

Date: 13.SEP.2021 17:09:12

Channel 62



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.29901 GHz	8.74 dBm		
M2		1	5.2882 GHz	-18.97 dBm		
M3		1	5.3323 GHz	-18.66 dBm		

Date: 13.SEP.2021 17:12:33

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/13
Test Mode : Mode 4 SISO A: Transmit (802.11ac-80BW_32.5Mbps)

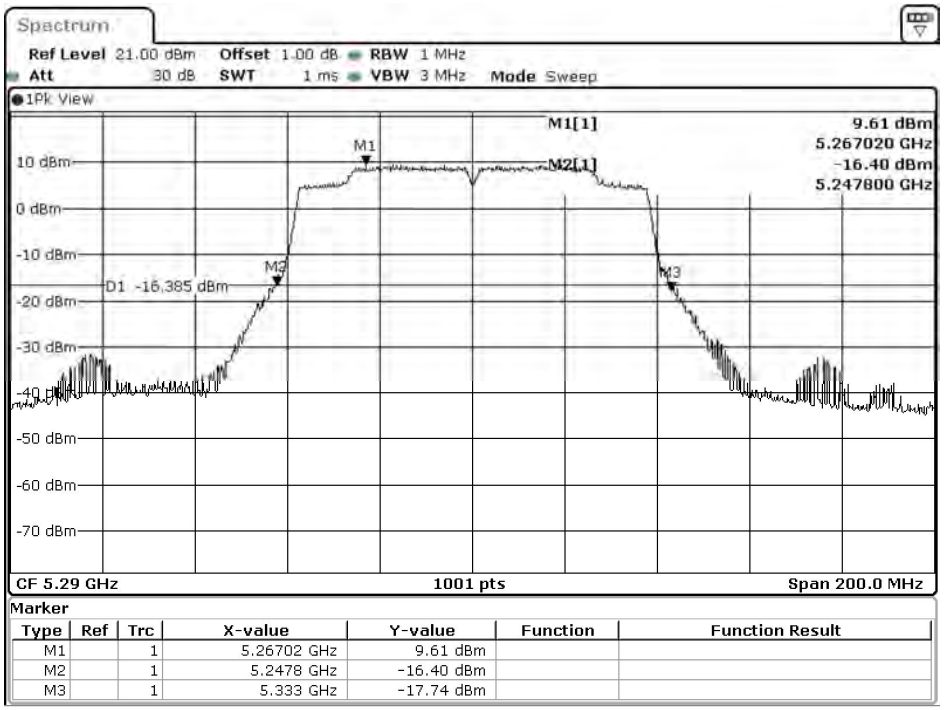
Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VHT0	VHT1	VHT2	VHT3	VHT4	VHT5	VHT6	VHT7	VHT8	VHT9
42	5210	18.75	18.69	18.62	18.59	18.54	18.51	18.47	18.44	18.41	18.34
58	5290	17.71	17.65	17.58	17.55	17.51	17.48	17.42	17.36	17.31	17.26

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42	5210	--	18.75	24	--	Pass
58	5290	84.200	17.71	24	30.30	Pass

26dB Occupied Bandwidth:
Channel 58



Date: 13.SEP.2021 16:50:21

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/13
Test Mode : Mode 5 SISO A: Transmit (802.11ac-160BW_65Mbps)

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VHT0	VHT1	VHT2	VHT3	VHT4	VHT5	VHT6	VHT7	VHT8	VHT9
50ac160(Band1)	5250	13.47	13.40	13.36	13.29	13.26	13.21	13.16	13.10	13.04	13.01
50ac160(Band2)	5250	13.53	13.49	13.44	13.40	13.34	13.28	13.22	13.16	13.11	13.07

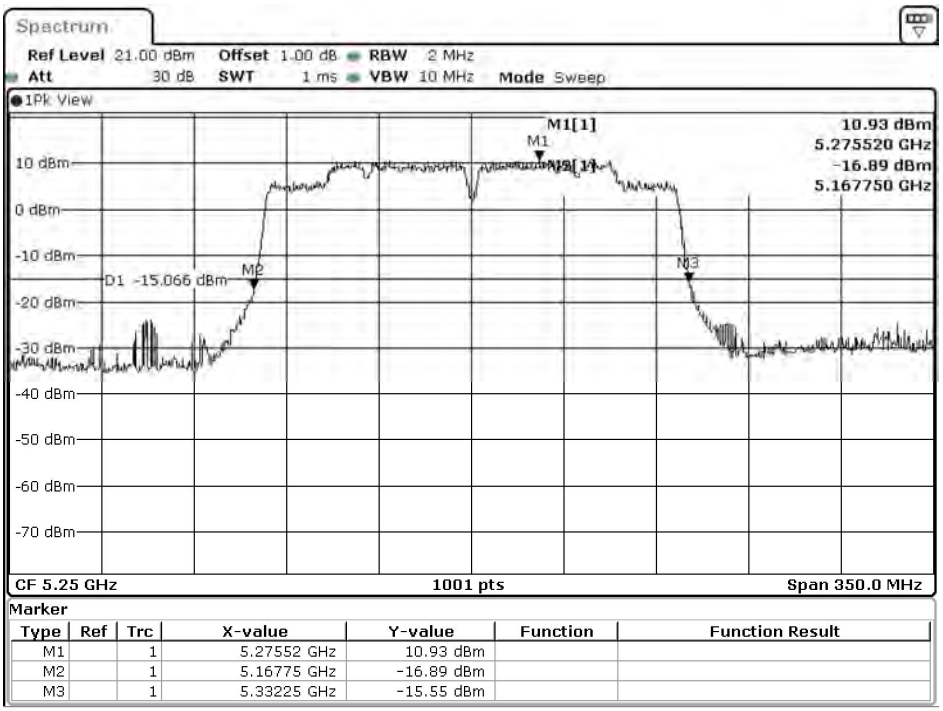
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50ac160(Band1)	5250	--	13.47	24	--	Pass
50ac160(Band2)	5250	82.550	13.53	24	30.15	Pass

26dB Occupied Bandwidth:

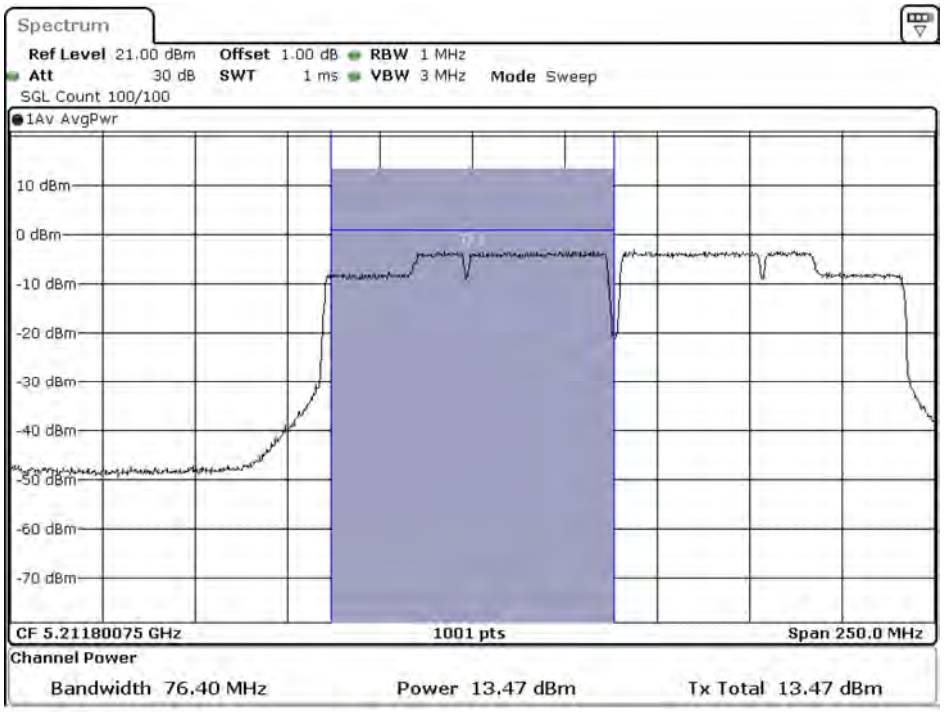
Channel 50



Date: 13.SEP.2021 16:45:21

Maximum conducted output power:

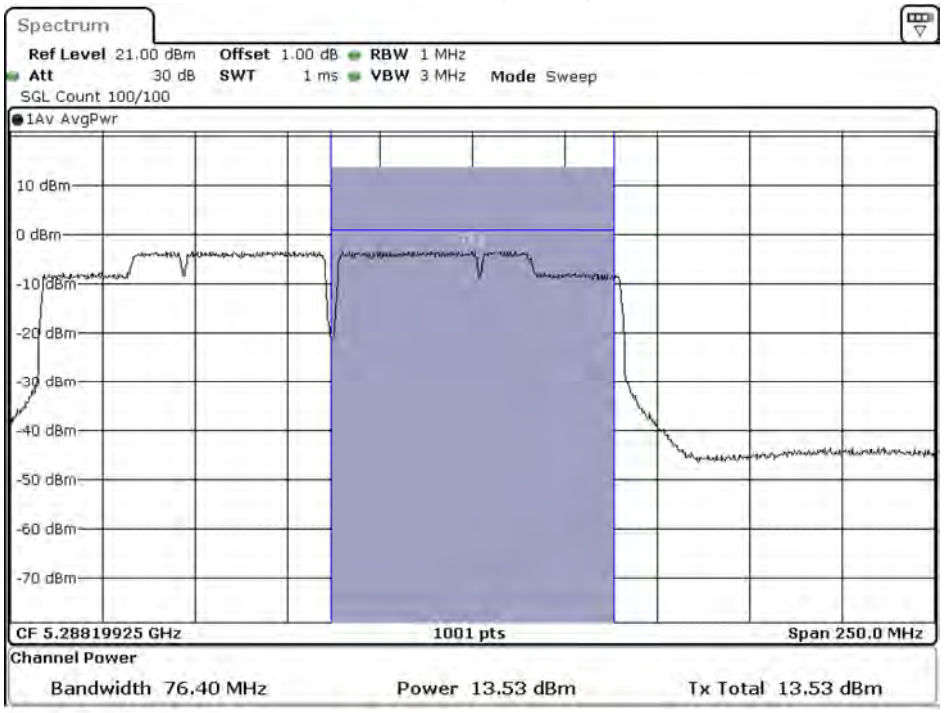
Channel 50 (Band1)



Date: 13.SEP.2021 16:45:43

Maximum conducted output power:

Channel 50 (Band2)



Date: 13.SEP.2021 16:46:06

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 6: SISO A: Transmit (802.11ax-20BW_8.6Mbps)

RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
36	5180	19.26	--	--	--	--	--	--	--	--	--	--	--
40	5200	20.58	20.54	20.47	20.44	20.41	20.37	20.31	20.28	20.23	20.19	20.16	20.12
48	5240	20.56	--	--	--	--	--	--	--	--	--	--	--
52	5260	20.67	--	--	--	--	--	--	--	--	--	--	--
56	5280	20.62	20.58	20.53	20.47	20.42	20.36	20.32	20.29	20.25	20.19	20.14	20.08
64	5320	20.06	--	--	--	--	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	19.26	24	--	Pass
40	5200	--	20.58	24	--	Pass
48	5240	--	20.56	24	--	Pass
52	5260	24.250	20.67	24	24.85	Pass
56	5280	23.900	20.62	24	24.78	Pass
64	5320	23.600	20.06	24	24.73	Pass

RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Lim
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
36/5180	26/0	13.24	--	--	--	--	--	--	--	--	--	--	--	<24dBm
	52/37	16.25	16.19	16.13	16.09	16.02	15.98	15.95	15.89	15.82	15.77	15.70	15.67	<24dBm
	106/53	18.98	--	--	--	--	--	--	--	--	--	--	--	<24dBm
64/5320	26/8	13.12	--	--	--	--	--	--	--	--	--	--	--	<24dBm
	52/40	16.22	16.16	16.09	16.04	15.97	15.92	15.85	15.79	15.73	15.68	15.63	15.57	<24dBm
	106/54	19.16	--	--	--	--	--	--	--	--	--	--	--	<24dBm

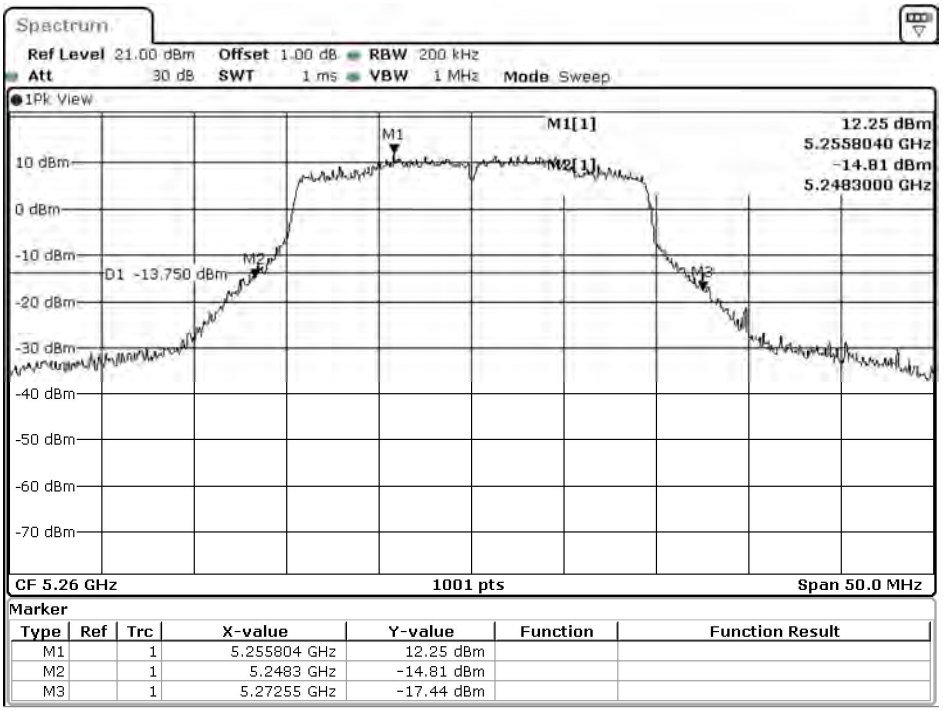
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36/5180	26/0	--	13.24	24	--	Pass
	52/37	--	16.25	24	--	Pass
	106/53	--	18.98	24	--	Pass
64/5320	26/8	20.750	13.12	24	24.17	Pass
	52/40	21.800	16.22	24	24.38	Pass
	106/54	22.350	19.16	24	24.49	Pass

RU config: Full

26dB Occupied Bandwidth:

Channel 52

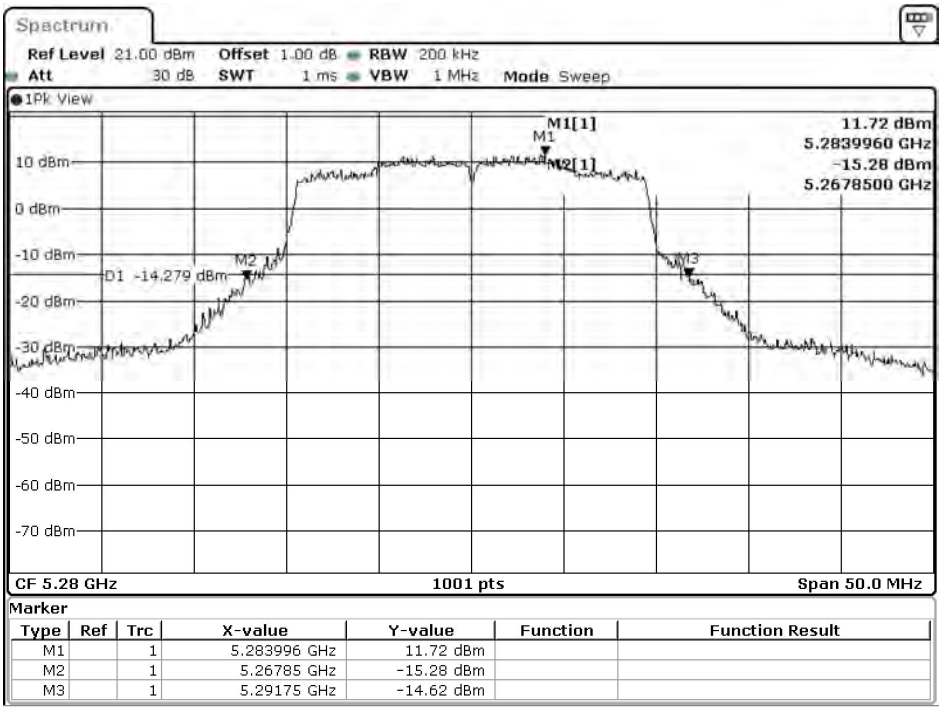


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.255804 GHz	12.25 dBm		
M2		1	5.2483 GHz	-14.81 dBm		
M3		1	5.27255 GHz	-17.44 dBm		

Date: 14.SEP.2021 10:55:25

Channel 56

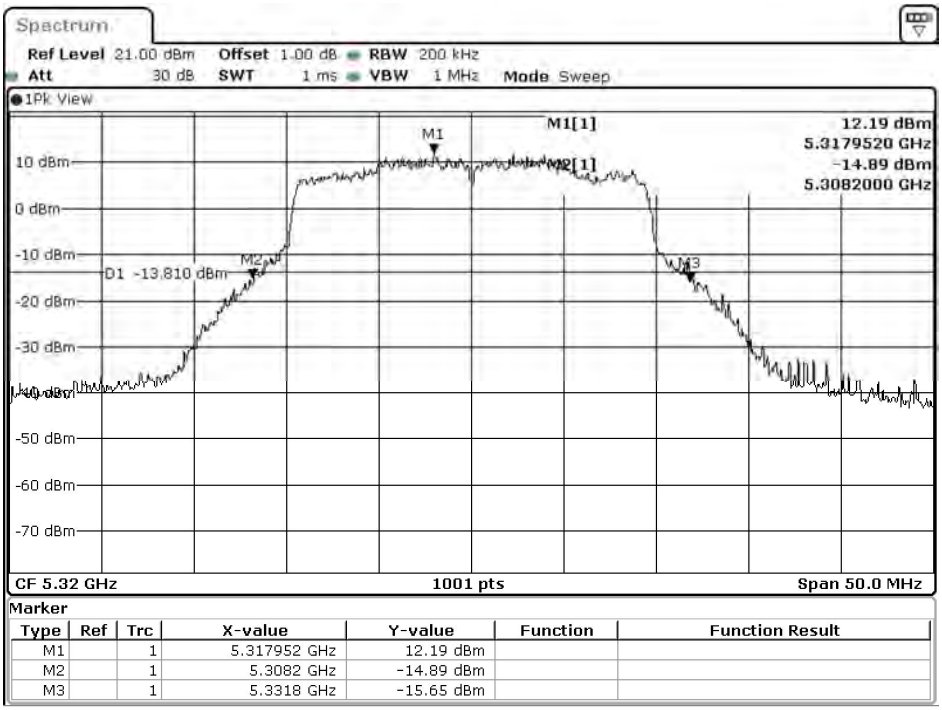


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.283996 GHz	11.72 dBm		
M2		1	5.26785 GHz	-15.28 dBm		
M3		1	5.29175 GHz	-14.62 dBm		

Date: 14.SEP.2021 11:05:51

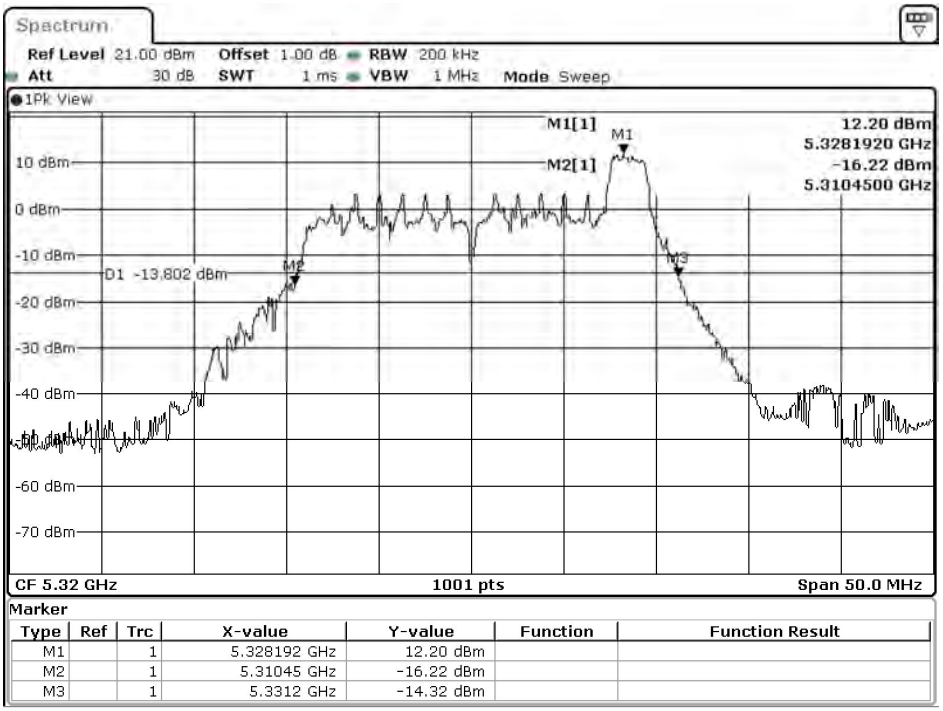
Channel 64



Date: 14.SEP.2021 11:10:45

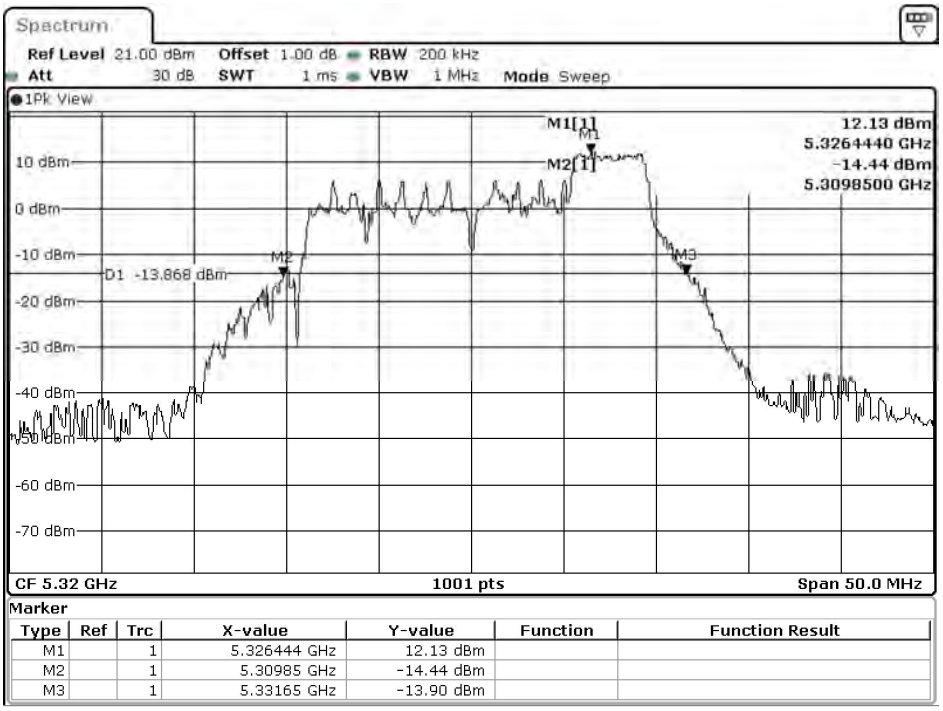
RU config: Other

26dB Occupied Bandwidth:
Channel 64 - 26/8



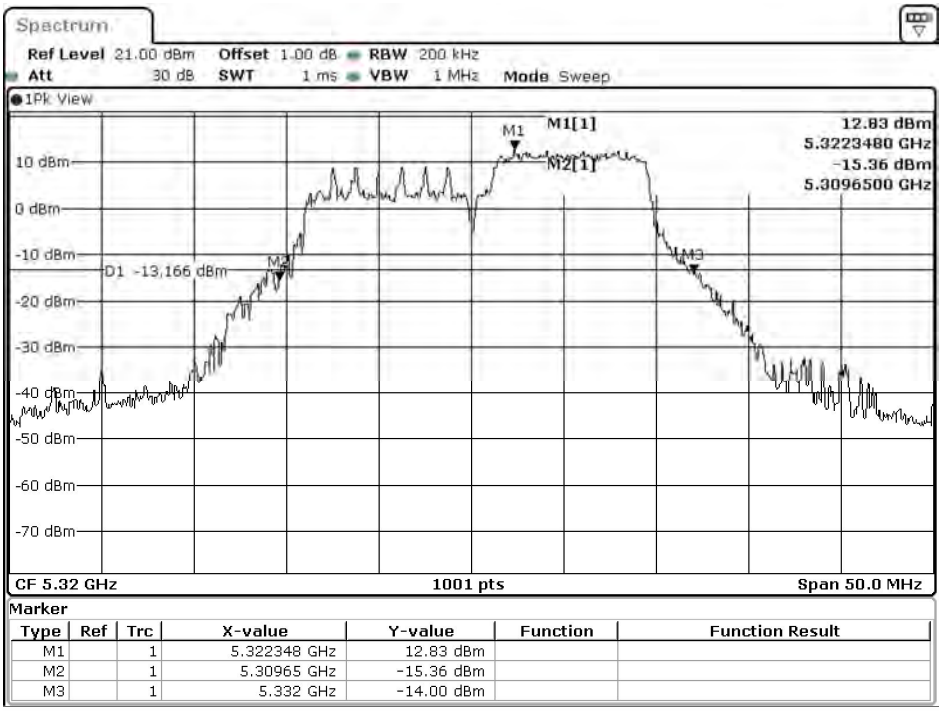
Date: 14.SEP.2021 13:51:00

Channel 64 - 52/40



Date: 14.SEP.2021 13:57:29

Channel 64 - 106/54



Date: 14.SEP.2021 14:00:25

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 7: SISO A: Transmit (802.11ax-40BW_17.2Mbps)

RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
38	5190	19.15	--	--	--	--	--	--	--	--	--	--	--
46	5230	20.74	20.68	20.62	20.58	20.52	20.47	20.44	20.37	20.31	20.27	20.22	20.17
54	5270	20.76	--	--	--	--	--	--	--	--	--	--	--
62	5310	17.65	17.60	17.55	17.50	17.46	17.40	17.37	17.33	17.27	17.24	17.17	17.12

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	--	19.15	24	--	Pass
46	5230	--	20.74	24	--	Pass
54	5270	44.400	20.76	24	27.47	Pass
62	5310	42.500	17.65	24	27.28	Pass

RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Limi
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
38 / 5190	242/61	19.58	--	--	--	--	--	--	--	--	--	--	--	<24dBm
62 / 5310	242/62	19.63	19.57	19.51	19.46	19.39	19.33	19.28	19.25	19.21	19.18	19.14	19.11	<24dBm

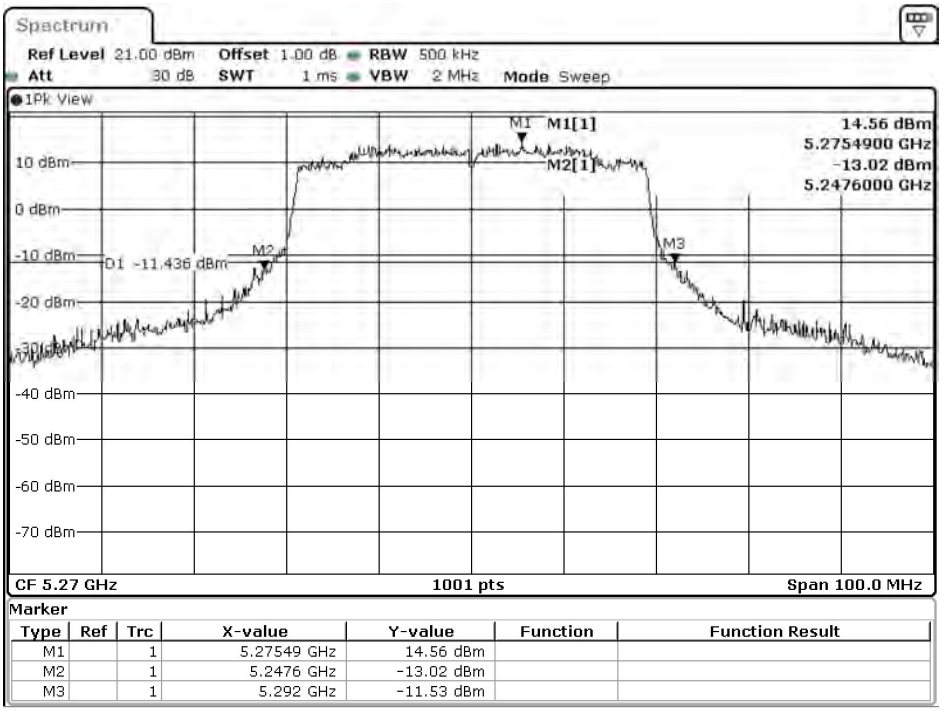
Maximum conducted output power Measurement:

Channel No /Frequency Range (MHz)	RU setting	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38 / 5190	242/61	--	19.58	24	--	Pass
62 / 5310	242/62	23.700	19.63	24	24.75	Pass

RU config: Full

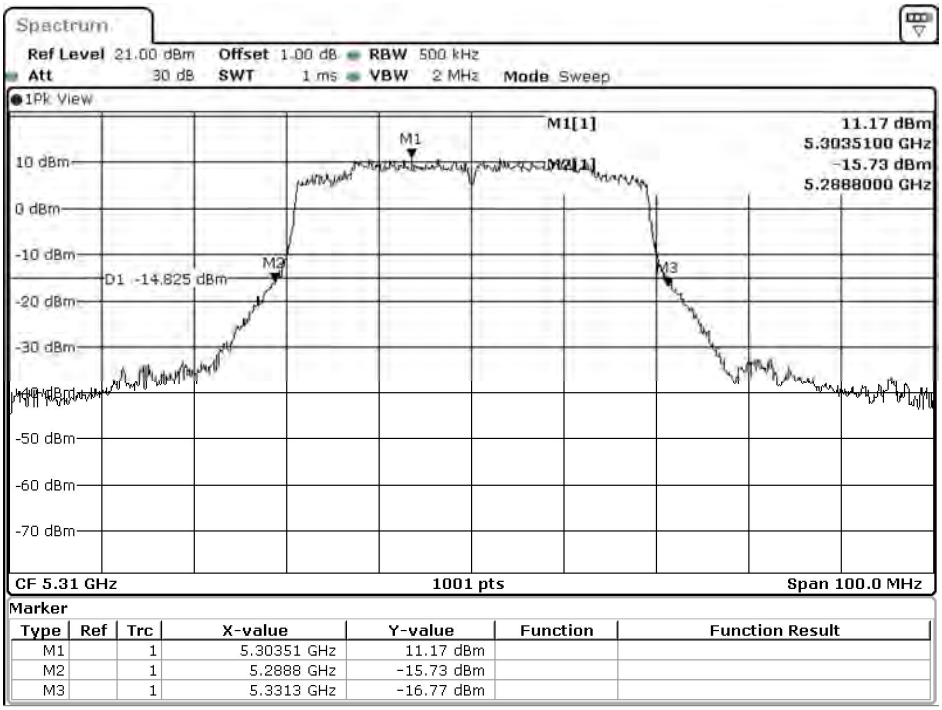
26dB Occupied Bandwidth:

Channel 54



Date: 14.SEP.2021 11:21:30

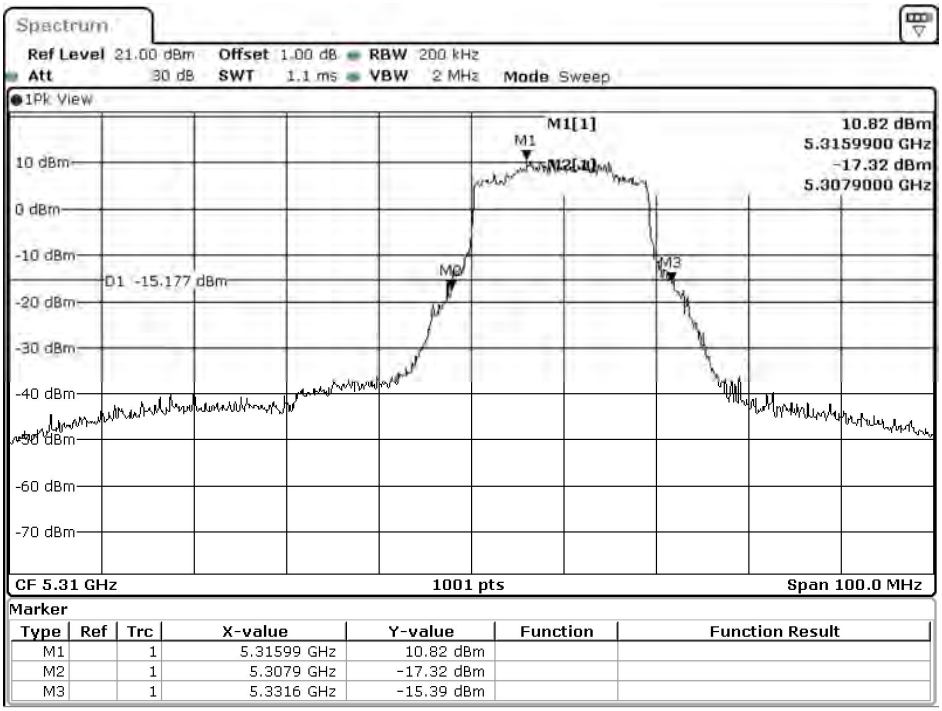
Channel 62



Date: 14.SEP.2021 11:24:00

RU config: Other

26dB Occupied Bandwidth:
Channel 62 - 242/62



Date: 14.SEP.2021 13:53:14

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 8: SISO A: Transmit (802.11ax-80BW_36Mbps)

RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	19.35	19.31	19.28	19.24	19.19	19.13	19.06	18.99	18.95	18.91	18.84	18.80
58	5290	17.61	17.54	17.50	17.47	17.43	17.39	17.33	17.28	17.23	17.17	17.11	17.07

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42	5210	--	19.35	24	--	Pass
58	5290	82.000	17.61	24	30.19	Pass

RU config: Other

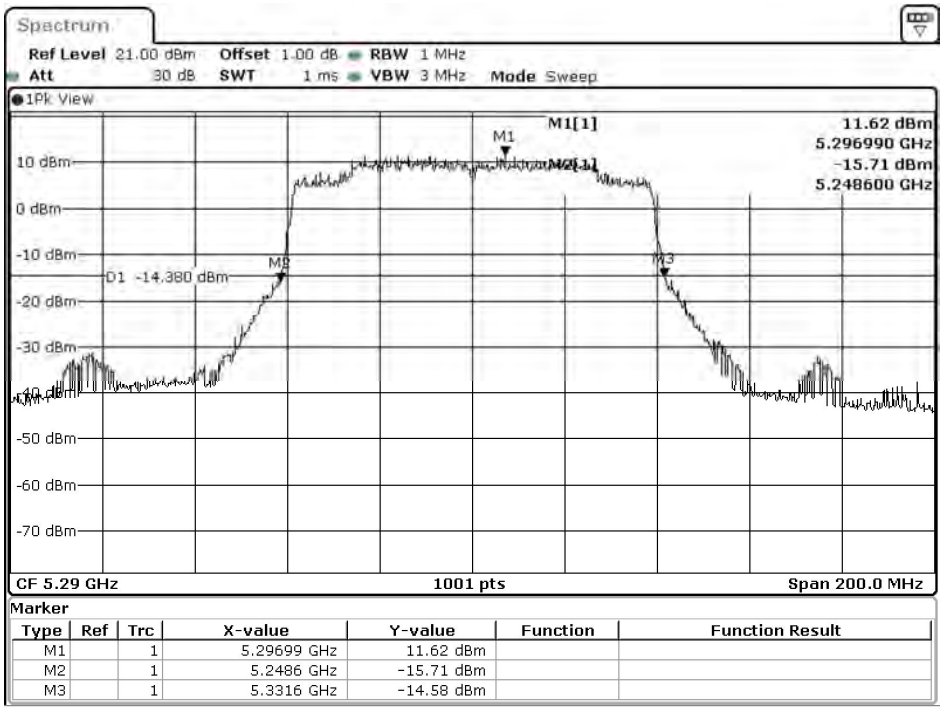
Channel No / Frequency Range (MHz)	RU setting	Maximum Conducted Power Output (dBm)												
		Data Rate (Mbps)												Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
42/5210	484/65	17.33	17.28	17.24	17.18	17.14	17.08	17.02	16.96	16.91	16.88	16.85	16.81	<24dBm
58/5290	484/66	15.82	15.77	15.71	15.64	15.60	15.55	15.52	15.46	15.40	15.35	15.29	15.22	<24dBm

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42/5210	484/65	--	17.33	24	--	Pass
58/5290	484/66	42.600	15.82	24	27.29	Pass

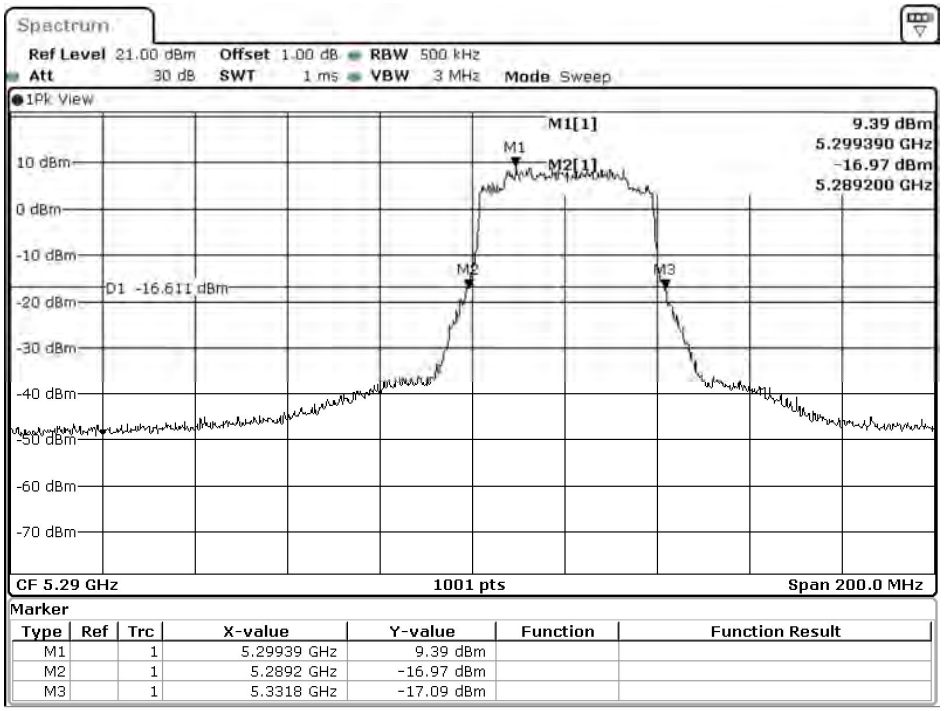
RU config: Full

26dB Occupied Bandwidth:
Channel 58



RU config: Other

26dB Occupied Bandwidth:
Channel 58 - 484/66



Date: 14.SEP.2021 13:42:35

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 9: SISO A: Transmit (802.11ax-160BW_72.1Mbps)

RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
50ac160(Band1)	5250	12.75	12.69	12.62	12.59	12.54	12.51	12.48	12.41	12.38	12.31	12.25	12.18
50ac160(Band2)	5250	12.71	12.65	12.60	12.55	12.49	12.43	12.37	12.32	12.28	12.24	12.19	12.13

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50ac160(Band1)	5250	--	12.75	24	--	Pass
50ac160(Band2)	5250	82.950	12.71	24	30.19	Pass

RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
50/5250	996/67	15.72	15.66	15.62	15.59	15.52	15.45	15.39	15.32	15.26	15.20	15.14	15.10	<24dBm
	996/S67	15.73	15.69	15.64	15.57	15.52	15.46	15.40	15.33	15.28	15.23	15.18	15.13	<24dBm

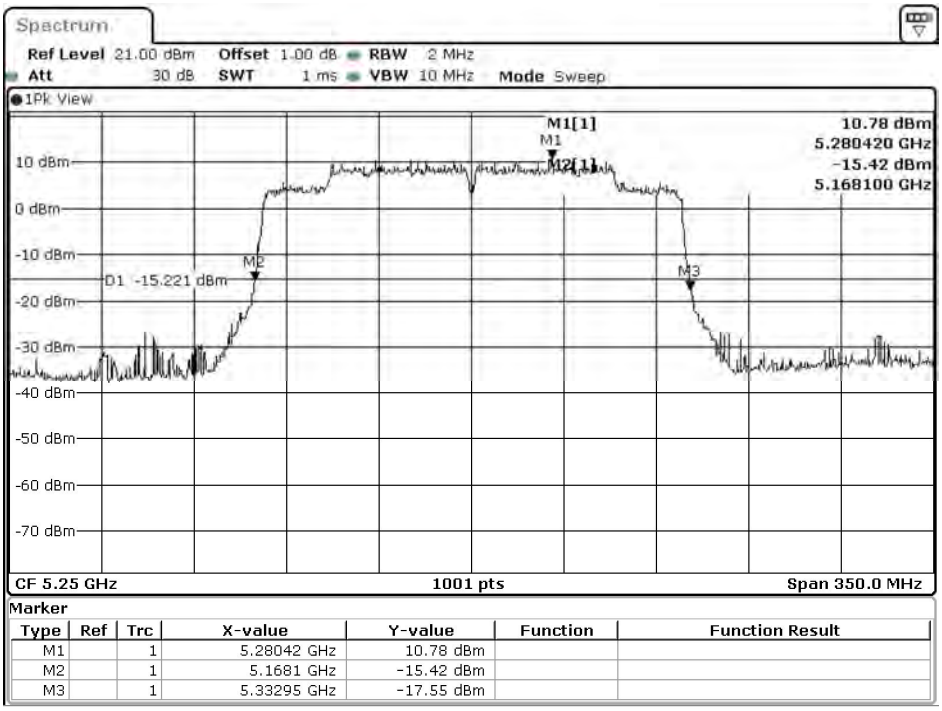
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50/5250	996/67	--	15.72	24	--	Pass
	996/S67	86.450	15.73	24	30.37	Pass

RU config: Full

26dB Occupied Bandwidth:

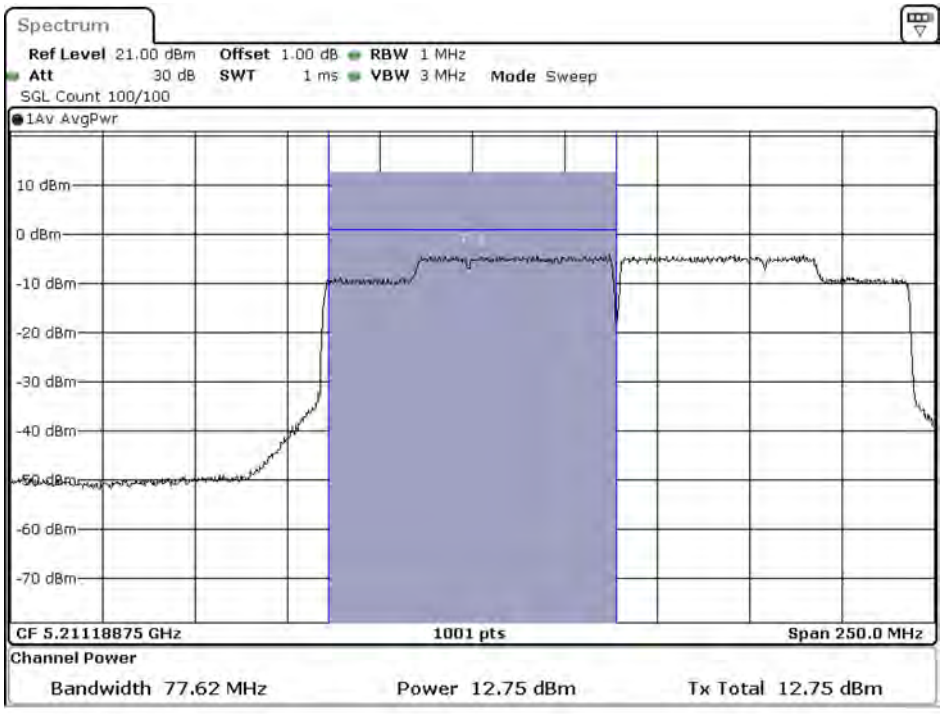
Channel 50



RU config: Full

Maximum conducted output power:

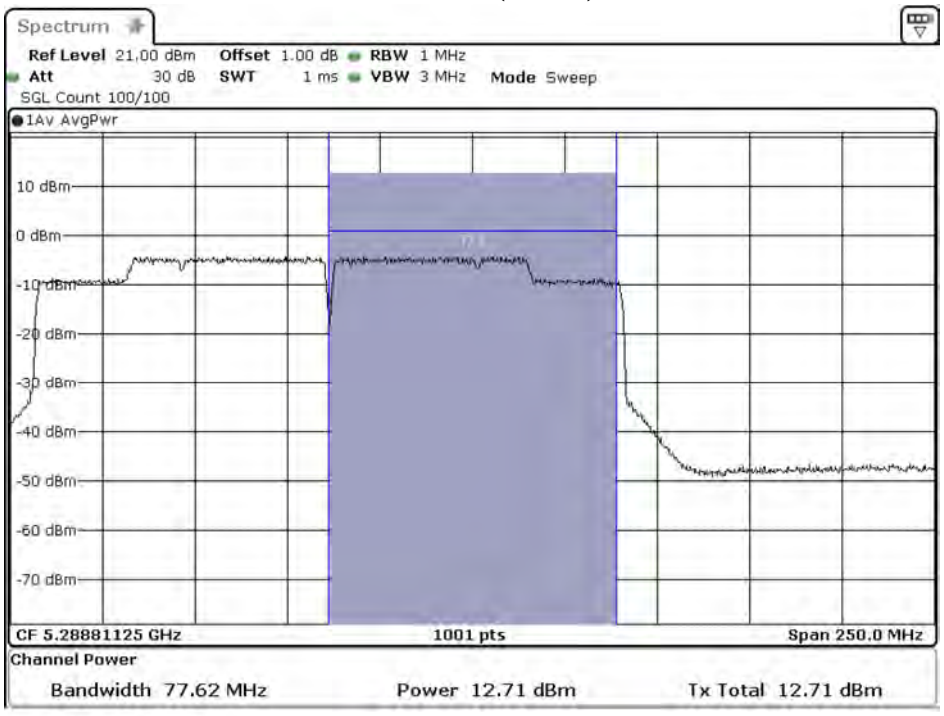
Channel 50 (Band1)



Date: 14.SEP.2021 10:49:02

Maximum conducted output power:

Channel 50 (Band2)

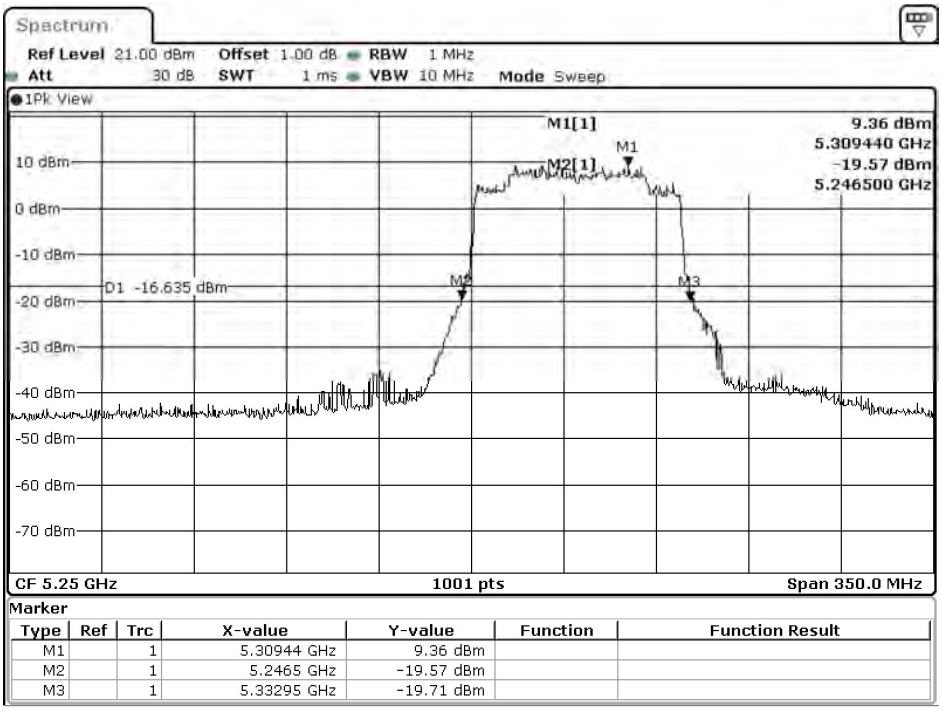


Date: 14.SEP.2021 10:49:25

RU config: Other

26dB Occupied Bandwidth:

Channel 50 - 996/S67



Date: 14.SEP.2021 13:37:48

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 10 SISO B: Transmit (802.11a_6Mbps)

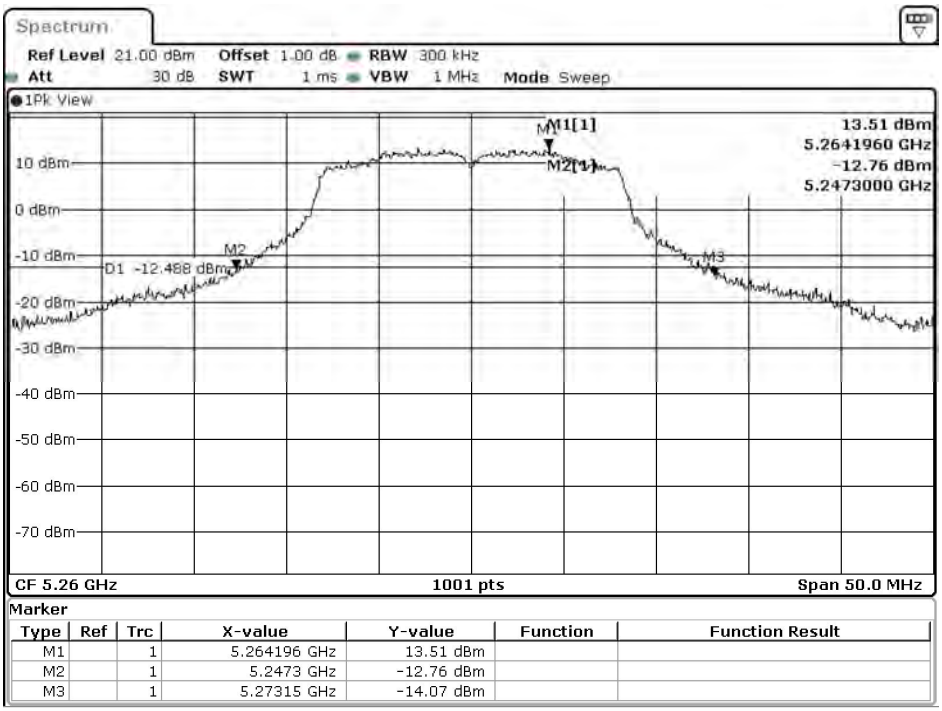
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
		Measurement Level (dBm)							
36	5180	18.16	--	--	--	--	--	--	--
40	5200	20.45	20.38	20.35	20.29	20.25	20.21	20.16	20.12
48	5240	20.51	--	--	--	--	--	--	--
52	5260	20.48	--	--	--	--	--	--	--
56	5280	20.59	20.52	20.47	20.40	20.34	20.31	20.27	20.21
64	5320	18.64	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

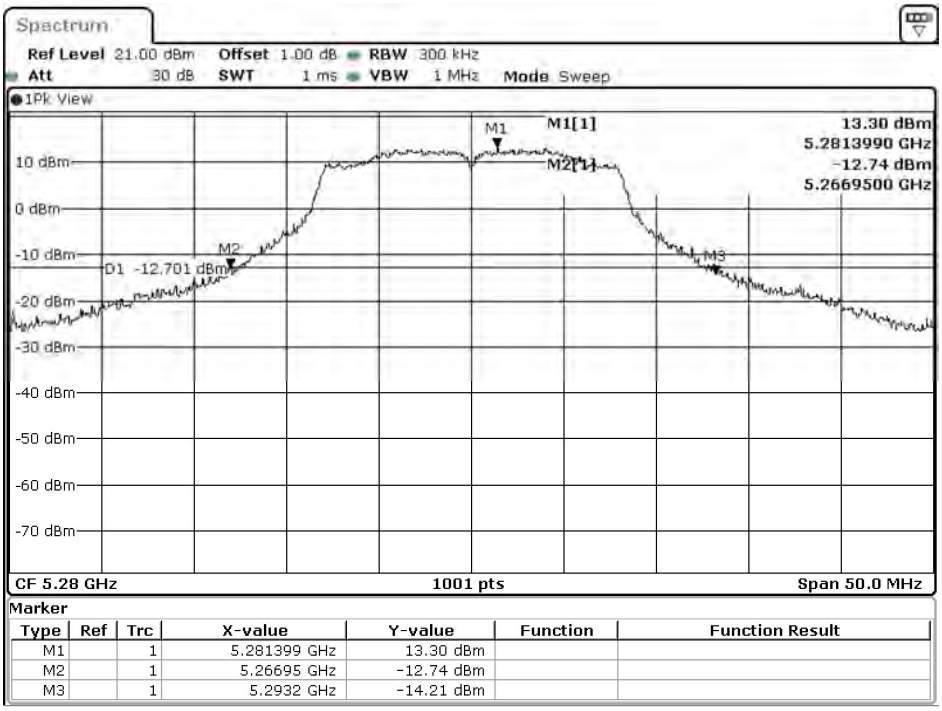
Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	18.16	24	--	Pass
40	5200	--	20.45	24	--	Pass
48	5240	--	20.51	24	--	Pass
52	5260	25.850	20.48	24	25.12	Pass
56	5280	26.250	20.59	24	25.19	Pass
64	5320	23.350	18.64	24	24.68	Pass

26dB Occupied Bandwidth:
Channel 52



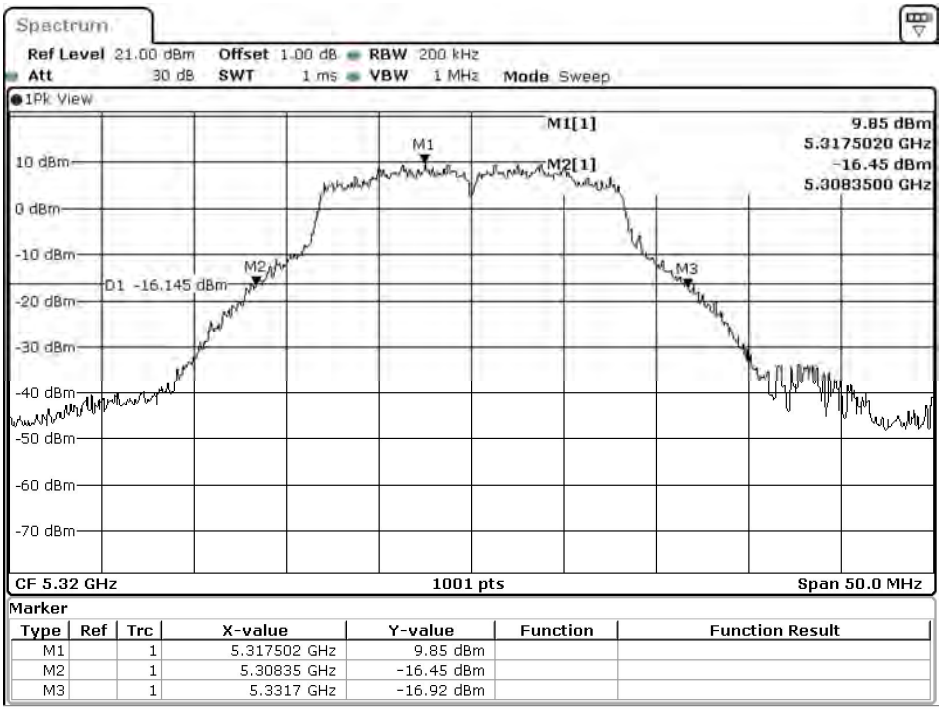
Date: 14.SEP.2021 15:18:41

Channel 56



Date: 14.SEP.2021 15:21:34

Channel 64



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.317502 GHz	9.85 dBm		
M2		1	5.30835 GHz	-16.45 dBm		
M3		1	5.3317 GHz	-16.92 dBm		

Date: 14.SEP.2021 15:26:40

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 11 SISO B: Transmit (802.11n-20BW_7.2Mbps)

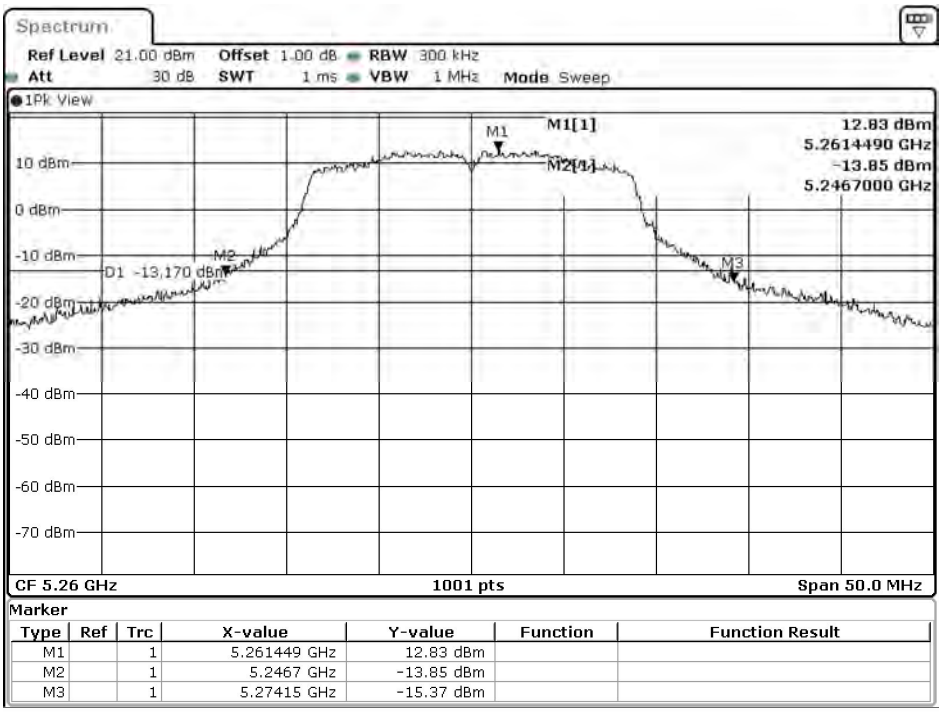
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7
		Measurement Level (dBm)							
36	5180	17.64	--	--	--	--	--	--	--
40	5200	20.25	20.21	20.15	20.10	20.04	19.98	19.92	19.88
48	5240	20.35	--	--	--	--	--	--	--
52	5260	20.38	--	--	--	--	--	--	--
56	5280	20.45	20.40	20.37	20.32	20.26	20.22	20.17	20.11
64	5320	18.54	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	17.64	24	--	Pass
40	5200	--	20.25	24	--	Pass
48	5240	--	20.35	24	--	Pass
52	5260	27.450	20.38	24	25.39	Pass
56	5280	25.500	20.45	24	25.07	Pass
64	5320	23.700	18.54	24	24.75	Pass

26dB Occupied Bandwidth:
Channel 52

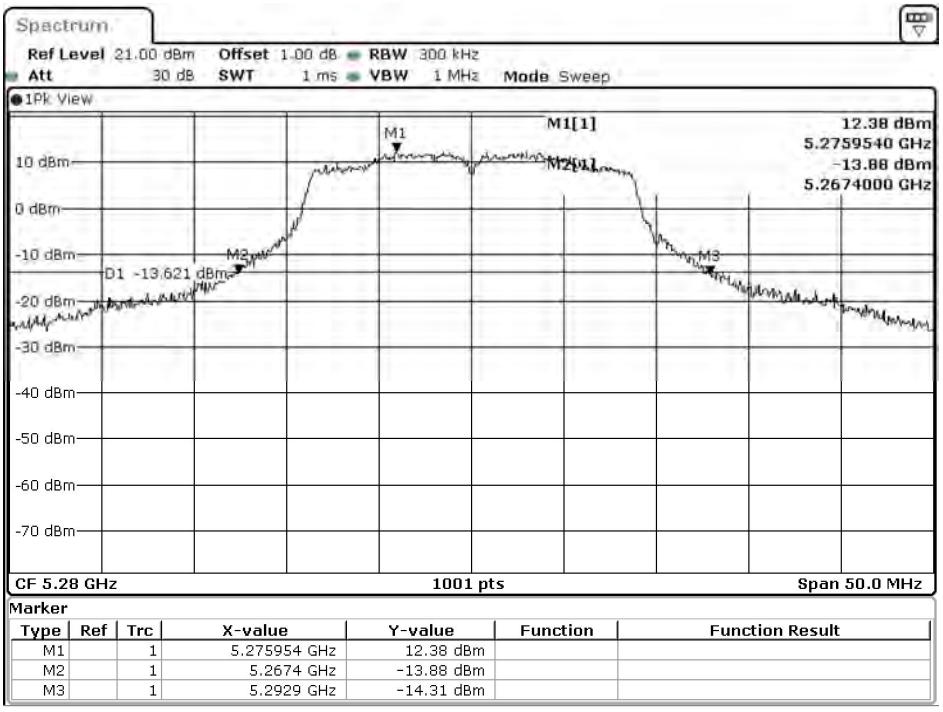


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.261449 GHz	12.83 dBm		
M2		1	5.2467 GHz	-13.85 dBm		
M3		1	5.27415 GHz	-15.37 dBm		

Date: 14.SEP.2021 15:35:14

Channel 56

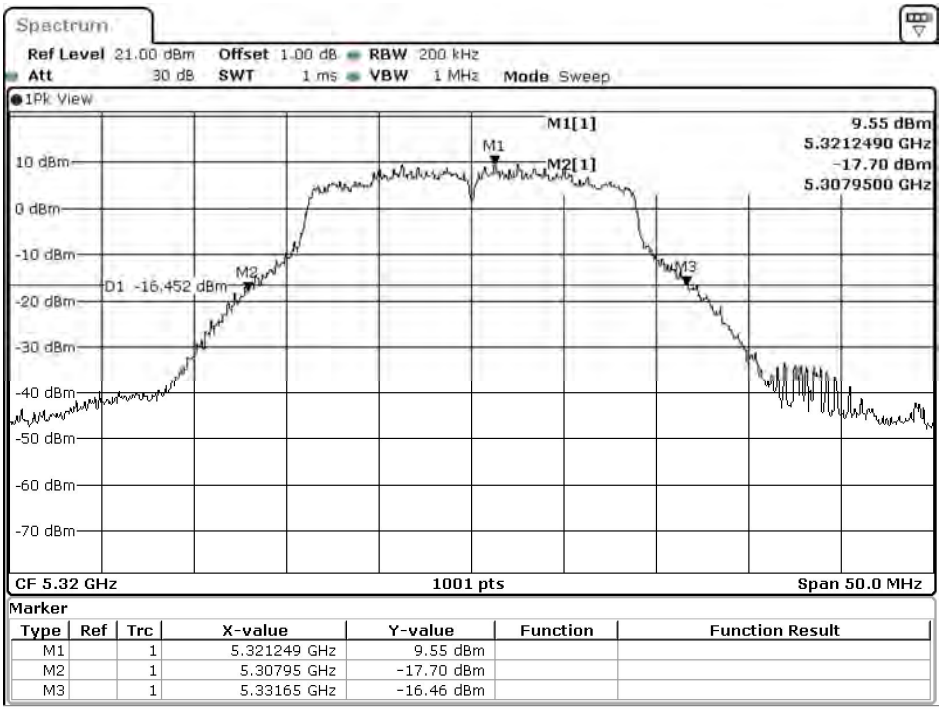


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.275954 GHz	12.38 dBm		
M2		1	5.2674 GHz	-13.88 dBm		
M3		1	5.2929 GHz	-14.31 dBm		

Date: 14.SEP.2021 15:37:06

Channel 64



Date: 14.SEP.2021 15:39:20

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 12 SISO B: Transmit (802.11n-40BW_15Mbps)

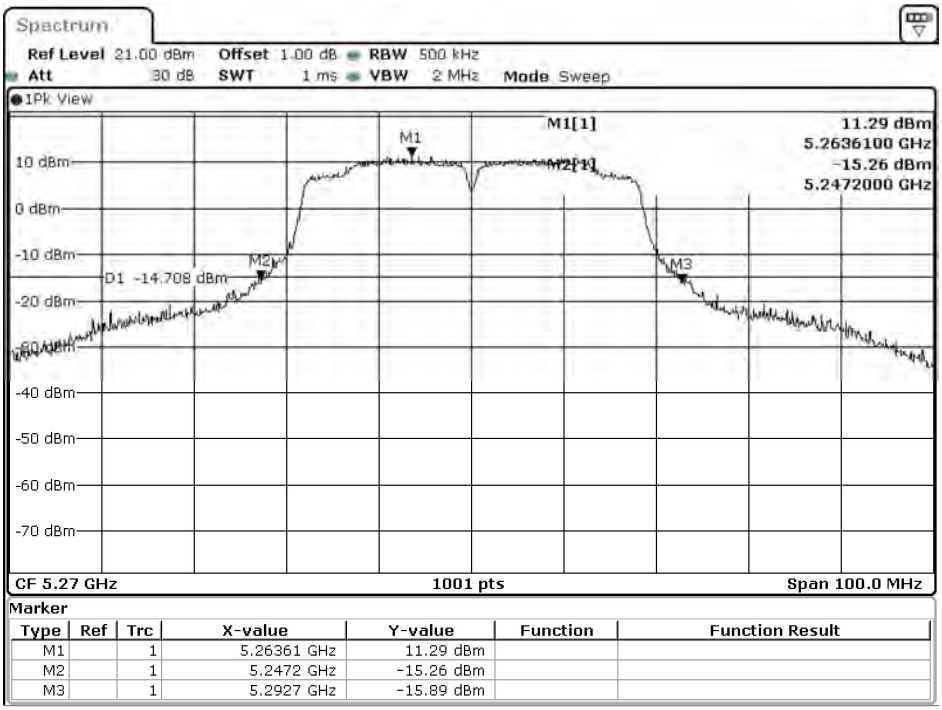
Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7
		Measurement Level (dBm)							
38	5190	17.09	--	--	--	--	--	--	--
46	5230	19.62	19.57	19.51	19.46	19.43	19.37	19.30	19.26
54	5270	19.72	--	--	--	--	--	--	--
62	5310	16.11	16.05	15.99	15.95	15.90	15.83	15.78	15.74

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	--	17.09	24	--	Pass
46	5230	--	19.62	24	--	Pass
54	5270	45.500	19.72	24	27.58	Pass
62	5310	43.500	16.11	24	27.38	Pass

26dB Occupied Bandwidth:
Channel 54

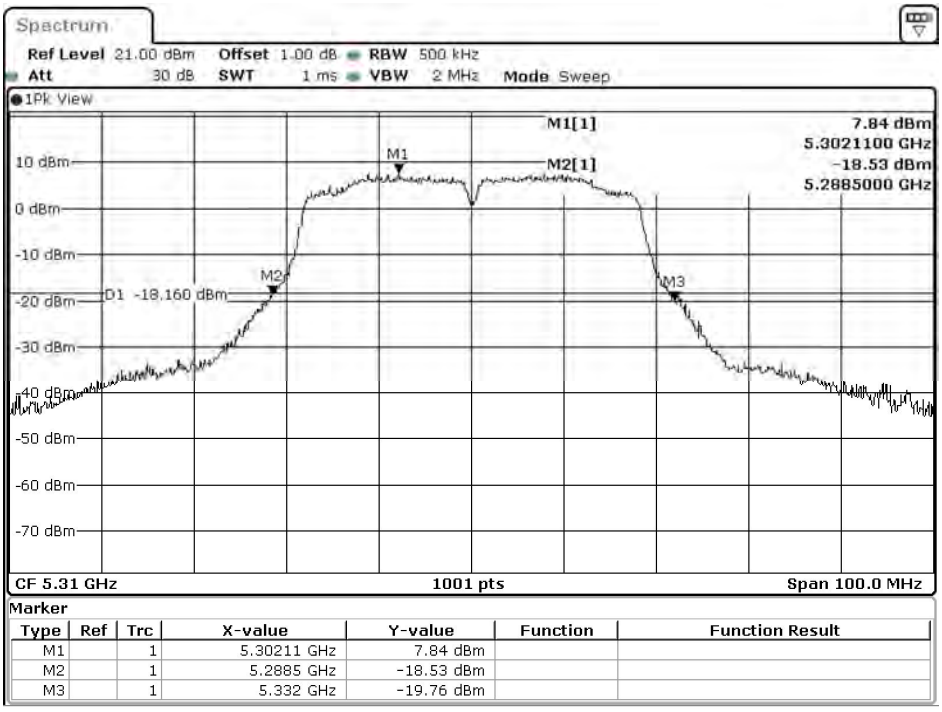


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.26361 GHz	11.29 dBm		
M2		1	5.2472 GHz	-15.26 dBm		
M3		1	5.2927 GHz	-15.89 dBm		

Date: 14.SEP.2021 15:42:24

Channel 62



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.30211 GHz	7.84 dBm		
M2		1	5.2885 GHz	-18.53 dBm		
M3		1	5.332 GHz	-19.76 dBm		

Date: 14.SEP.2021 15:44:22

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 13 SISO B: Transmit (802.11ac-80BW_32.5Mbps)

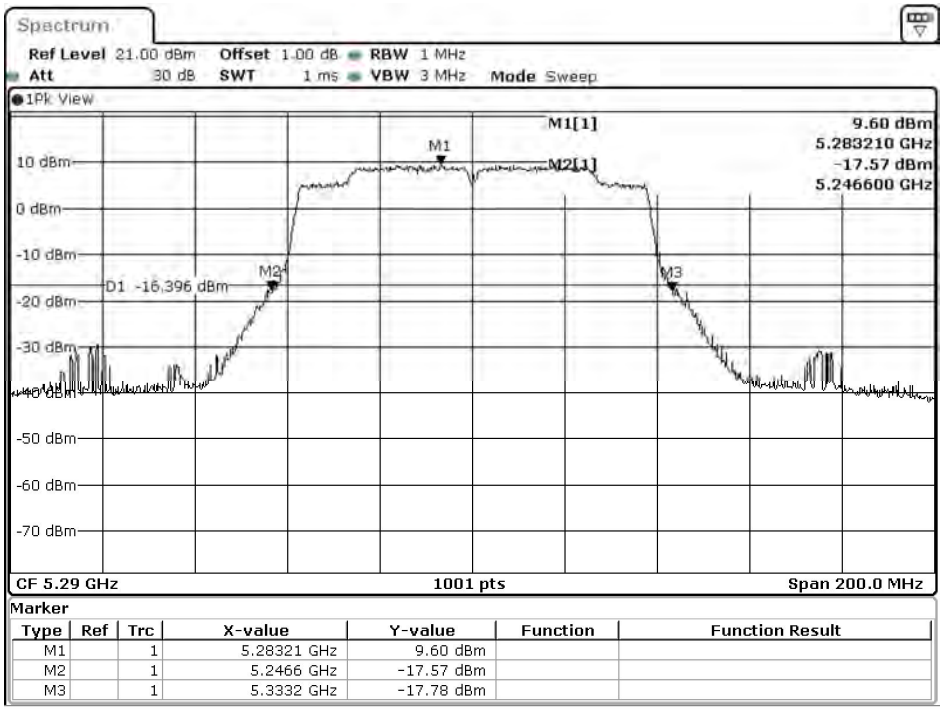
Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VHT0	VHT1	VHT2	VHT3	VHT4	VHT5	VHT6	VHT7	VHT8	VHT9
42	5210	16.65	16.58	16.52	16.47	16.41	16.37	16.30	16.25	16.20	16.17
58	5290	17.56	17.51	17.47	17.41	17.35	17.28	17.22	17.19	17.14	17.11

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42	5210	--	16.65	24	--	Pass
58	5290	86.000	17.56	24	30.38	Pass

26dB Occupied Bandwidth:
Channel 58



Date: 14.SEP.2021 15:32:49

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 14 SISO B: Transmit (802.11ac-160BW_65Mbps)

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VHT0	VHT1	VHT2	VHT3	VHT4	VHT5	VHT6	VHT7	VHT8	VHT9
50ac160(Band1)	5250	11.51	11.47	11.42	11.37	11.31	11.24	11.18	11.12	11.08	11.01
50ac160(Band2)	5250	11.38	11.33	11.28	11.21	11.15	11.12	11.08	11.03	10.98	10.91

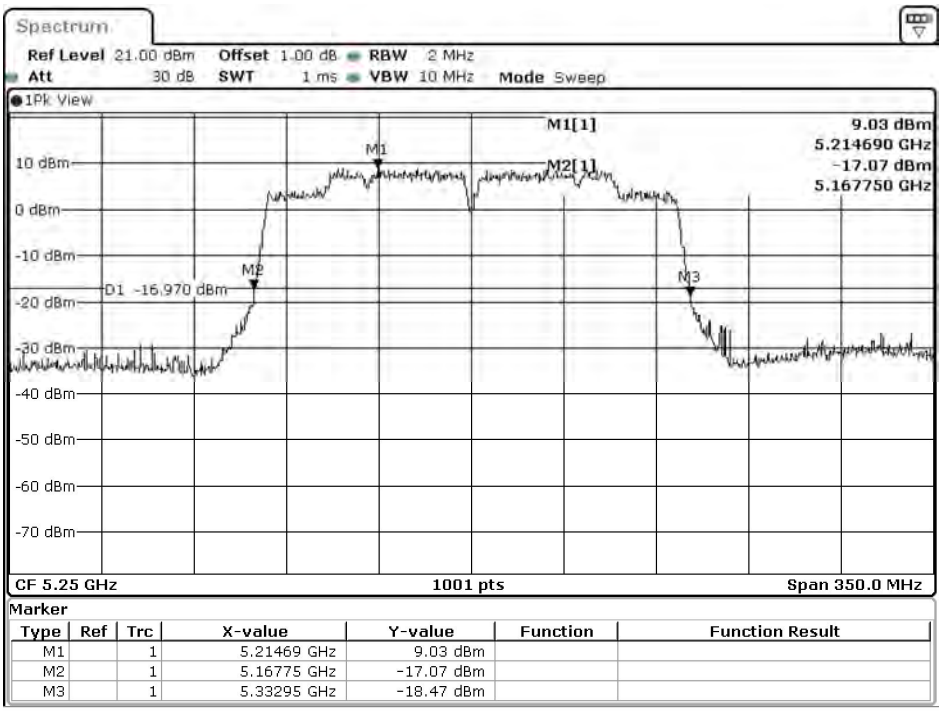
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50ac160(Band1)	5250	--	11.51	24	--	Pass
50ac160(Band2)	5250	82.950	11.38	24	30.19	Pass

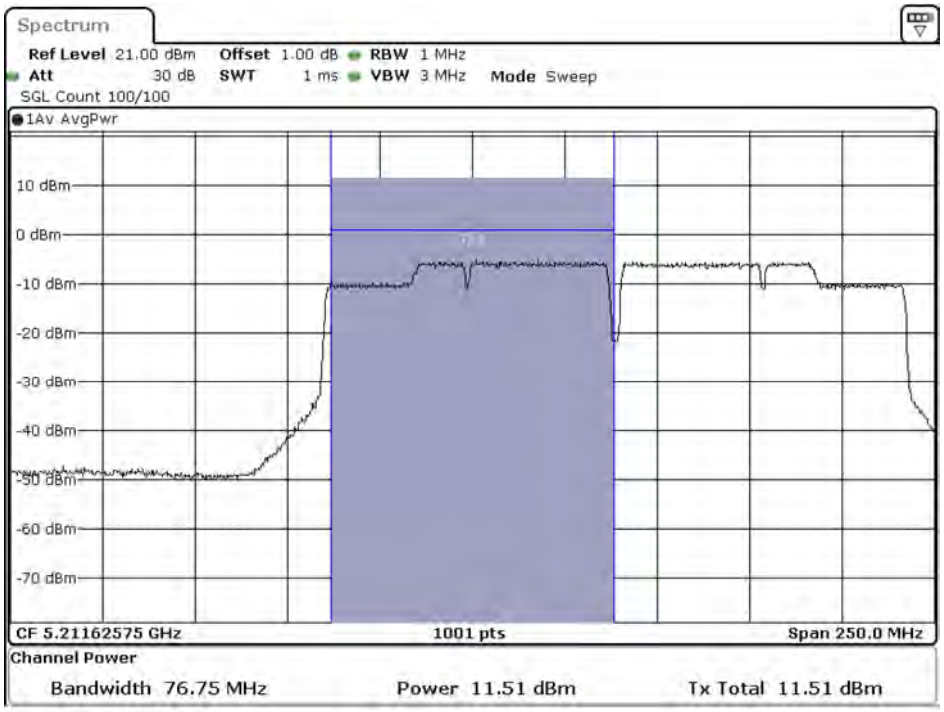
26dB Occupied Bandwidth:

Channel 50



Maximum conducted output power:

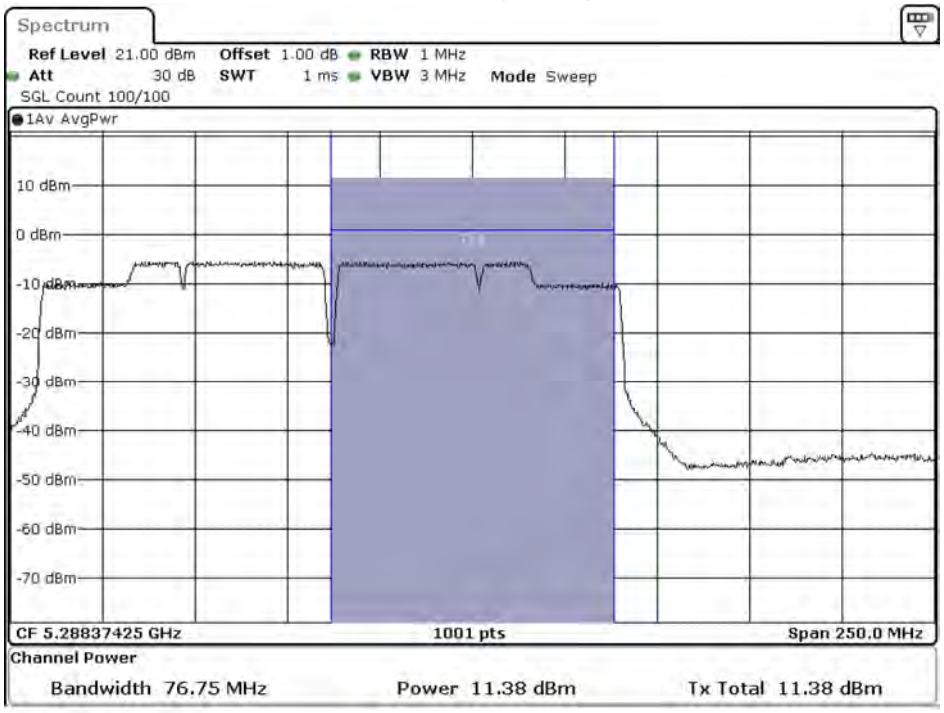
Channel 50 (Band1)



Date: 14.SEP.2021 15:29:41

Maximum conducted output power:

Channel 50 (Band2)



Date: 14.SEP.2021 15:30:03

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 15: SISO B: Transmit (802.11ax-20BW_8.6Mbps)

RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
36	5180	18.58	--	--	--	--	--	--	--	--	--	--	--
40	5200	20.26	20.20	20.15	20.11	20.05	20.00	19.95	19.89	19.85	19.80	19.75	19.71
48	5240	20.43	--	--	--	--	--	--	--	--	--	--	--
52	5260	20.48	--	--	--	--	--	--	--	--	--	--	--
56	5280	20.52	20.48	20.42	20.37	20.30	20.26	20.21	20.16	20.09	20.05	19.98	19.92
64	5320	18.46	--	--	--	--	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	18.58	24	--	Pass
40	5200	--	20.26	24	--	Pass
48	5240	--	20.43	24	--	Pass
52	5260	25.350	20.48	24	25.04	Pass
56	5280	27.600	20.52	24	25.41	Pass
64	5320	23.950	18.46	24	24.79	Pass

RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Lim
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
36/5180	26/0	13.42	--	--	--	--	--	--	--	--	--	--	--	<24dBm
	52/37	15.89	15.84	15.79	15.72	15.68	15.61	15.55	15.51	15.44	15.38	15.34	15.29	<24dBm
	106/53	18.97	--	--	--	--	--	--	--	--	--	--	--	<24dBm
64/5320	26/8	13.19	--	--	--	--	--	--	--	--	--	--	--	<24dBm
	52/40	16.17	16.11	16.06	16.02	15.97	15.91	15.88	15.84	15.80	15.74	15.68	15.64	<24dBm
	106/54	19.21	--	--	--	--	--	--	--	--	--	--	--	<24dBm

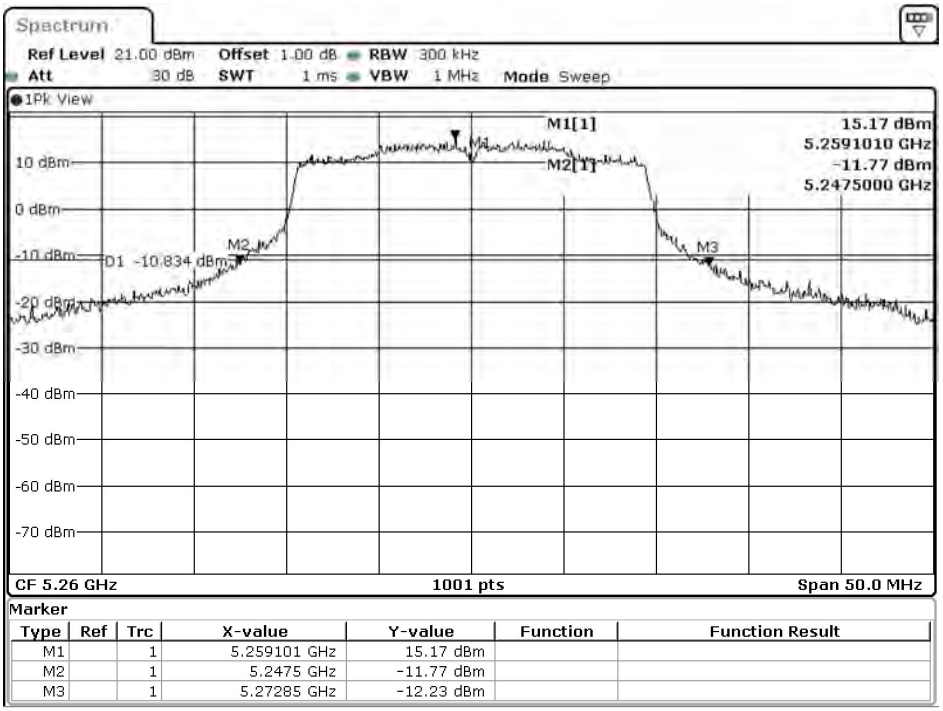
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36/5180	26/0	--	13.42	24	--	Pass
	52/37	--	15.89	24	--	Pass
	106/53	--	18.97	24	--	Pass
64/5320	26/8	20.350	13.19	24	24.09	Pass
	52/40	21.700	16.17	24	24.36	Pass
	106/54	22.550	19.21	24	24.53	Pass

RU config: Full

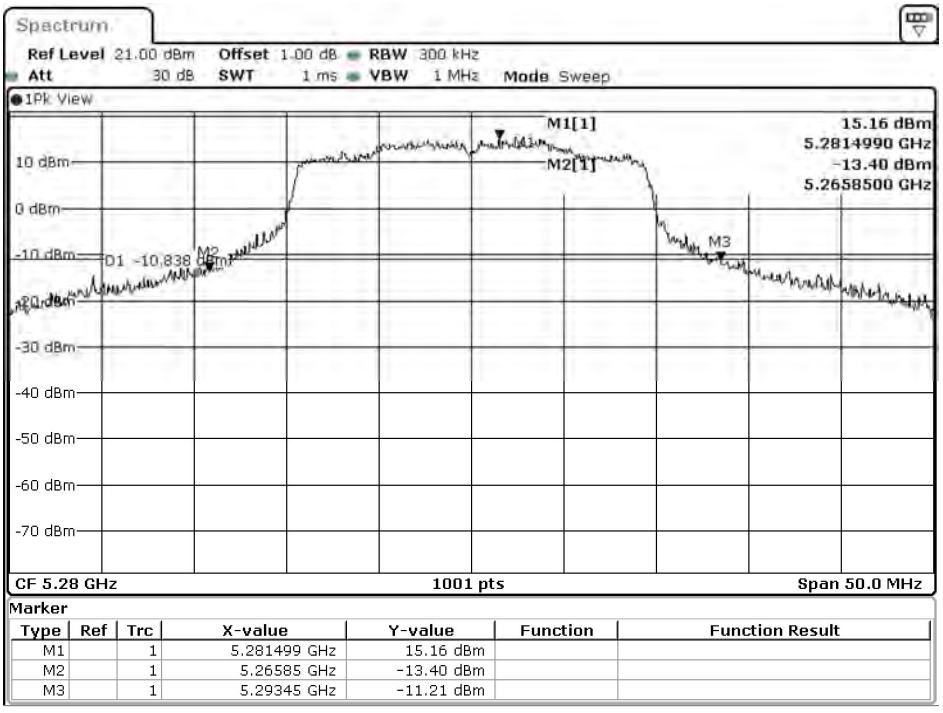
26dB Occupied Bandwidth:

Channel 52



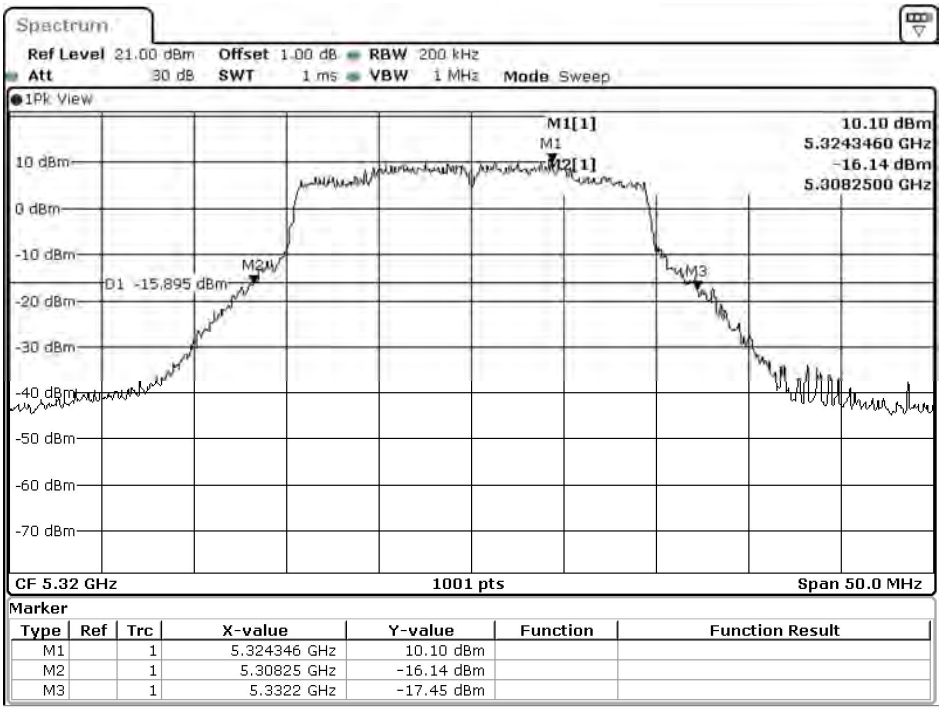
Date: 14.SEP.2021 16:56:01

Channel 56



Date: 14.SEP.2021 16:59:54

Channel 64

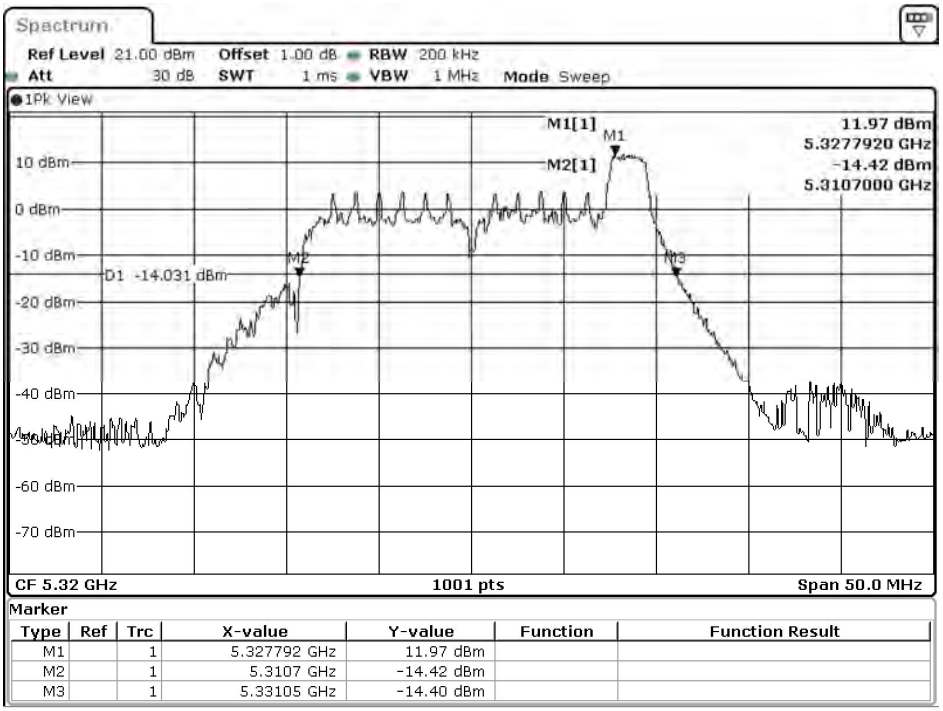


Date: 14.SEP.2021 17:01:53

U config: Other

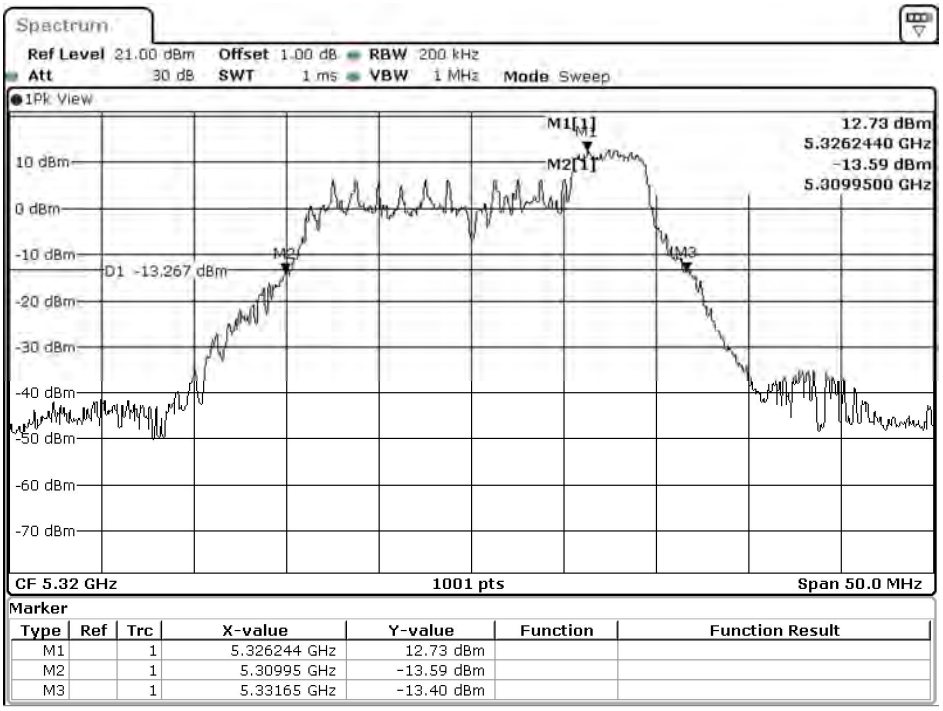
26dB Occupied Bandwidth:

Channel 64 - 26/8



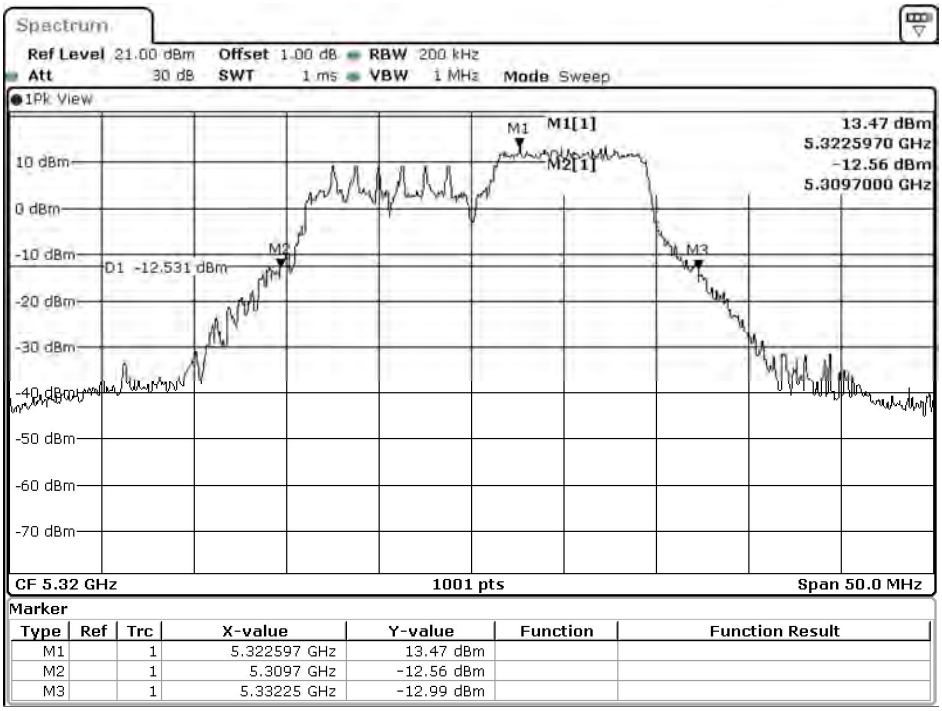
Date: 14.SEP.2021 14:46:16

Channel 64 - 52/40



Date: 14.SEP.2021 14:52:05

Channel 64 - 106/54



Date: 14.SEP.2021 14:57:47

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 16: SISO B: Transmit (802.11ax-40BW_17.2Mbps)

RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
38	5190	17.09	--	--	--	--	--	--	--	--	--	--	--
46	5230	18.51	18.48	18.42	18.36	18.31	18.28	18.23	18.17	18.13	18.06	18.00	17.95
54	5270	19.49	--	--	--	--	--	--	--	--	--	--	--
62	5310	16.72	16.69	16.65	16.62	16.55	16.52	16.48	16.43	16.39	16.36	16.32	16.29

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	--	17.09	24	--	Pass
46	5230	--	18.51	24	--	Pass
54	5270	43.900	19.49	24	27.42	Pass
62	5310	42.400	16.72	24	27.27	Pass

RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Limi
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
38 / 5190	242/61	17.81	--	--	--	--	--	--	--	--	--	--	--	<24dBm
62 / 5310	242/62	18.35	18.30	18.27	18.23	18.19	18.16	18.10	18.03	17.96	17.93	17.87	17.82	<24dBm

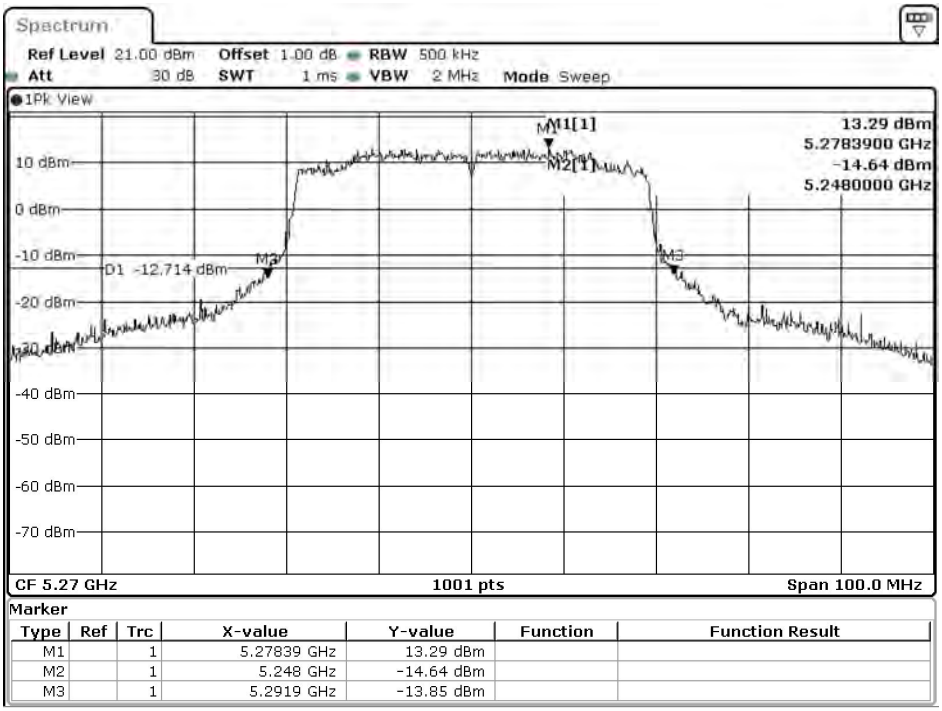
Maximum conducted output power Measurement:

Channel No /Frequency Range (MHz)	RU setting	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38 / 5190	242/61	--	17.81	24	--	Pass
62 / 5310	242/62	24.500	18.35	24	24.89	Pass

RU config: Full

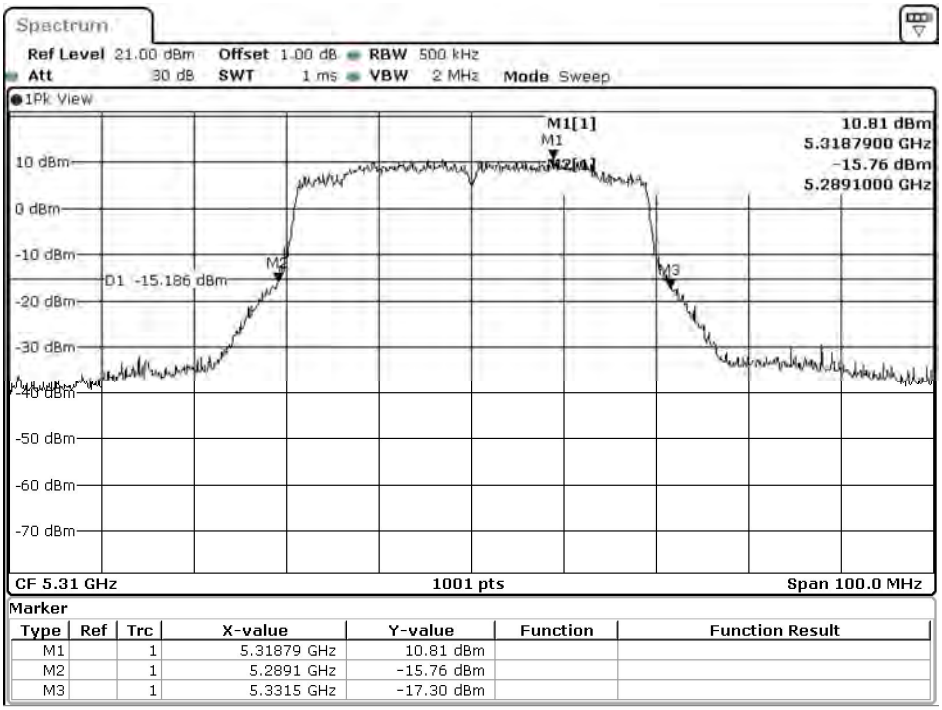
26dB Occupied Bandwidth:

Channel 54



Date: 14.SEP.2021 17:08:06

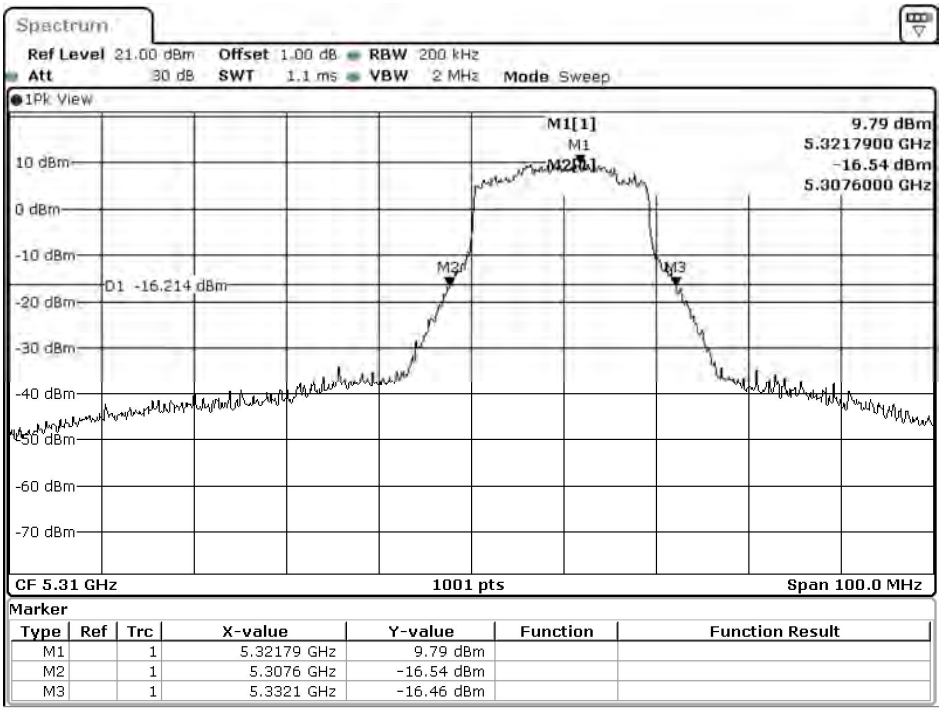
Channel 62



Date: 14.SEP.2021 17:09:54

RU config: Other

26dB Occupied Bandwidth:
Channel 102 - 242/61



Date: 14.SEP.2021 14:49:29

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 17: SISO B: Transmit (802.11ax-80BW_36Mbps)

RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	17.45	17.42	17.37	17.32	17.26	17.23	17.18	17.14	17.08	17.04	17.00	16.95
58	5290	17.51	17.47	17.40	17.35	17.30	17.26	17.22	17.15	17.08	17.04	16.98	16.94

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42	5210	--	17.45	24	--	Pass
58	5290	84.600	17.51	24	30.27	Pass

RU config: Other

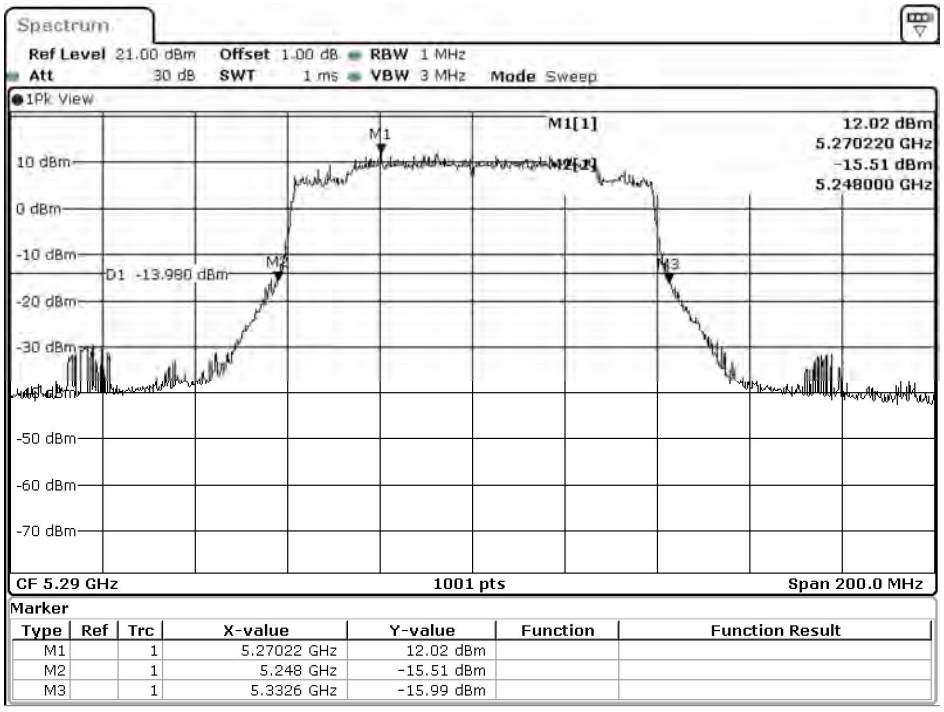
Channel No / Frequency Range (MHz)	RU setting	Maximum Conducted Power Output (dBm)												
		Data Rate (Mbps)												Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
42/5210	484/65	17.29	17.24	17.20	17.15	17.08	17.02	16.98	16.94	16.89	16.83	16.77	16.71	<24dBm
58/5290	484/66	15.67	15.64	15.57	15.53	15.49	15.45	15.38	15.32	15.26	15.21	15.15	15.09	<24dBm

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
42/5210	484/65	--	17.29	24	--	Pass
58/5290	484/66	43.600	15.67	24	27.39	Pass

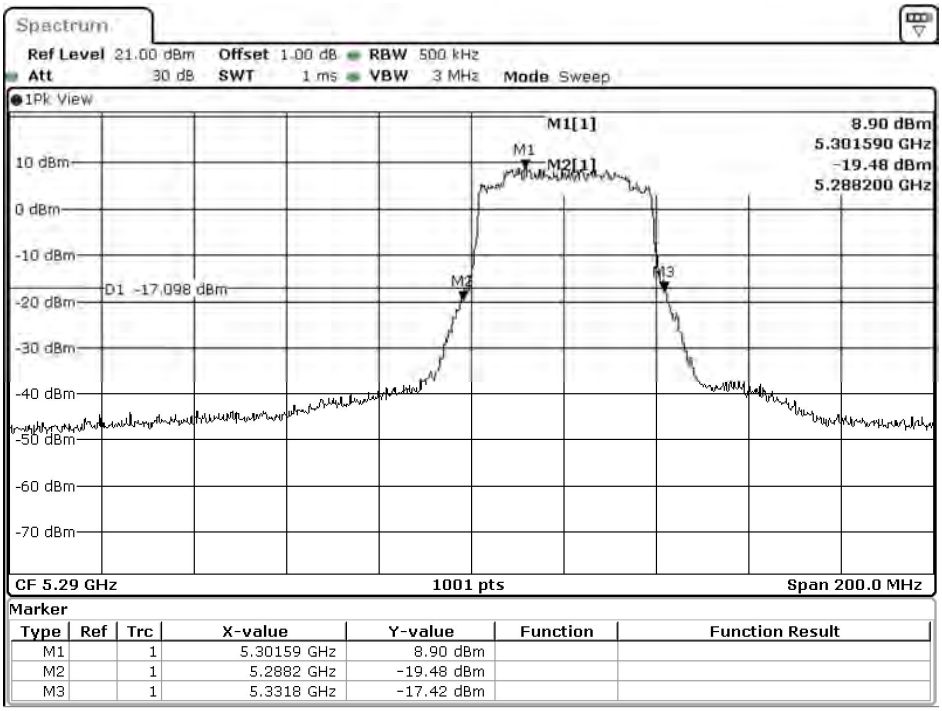
RU config: Full

26dB Occupied Bandwidth:
Channel 58



RU config: Other

26dB Occupied Bandwidth:
Channel 58 - 484/66



Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 18: SISO B: Transmit (802.11ax-160BW_72.1Mbps)

RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
50ac160(Band1)	5250	11.50	11.46	11.40	11.35	11.31	11.26	11.20	11.16	11.12	11.07	11.02	10.98
50ac160(Band2)	5250	11.57	11.52	11.48	11.42	11.37	11.31	11.27	11.22	11.17	11.14	11.07	11.02

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50ac160(Band1)	5250	--	11.50	24	--	Pass
50ac160(Band2)	5250	83.300	11.57	24	30.21	Pass

RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
50/5250	996/67	15.65	15.59	15.55	15.49	15.45	15.39	15.32	15.29	15.25	15.20	15.17	15.11	<24dBm
	996/S67	15.77	15.73	15.70	15.64	15.61	15.56	15.52	15.47	15.41	15.35	15.32	15.25	<24dBm

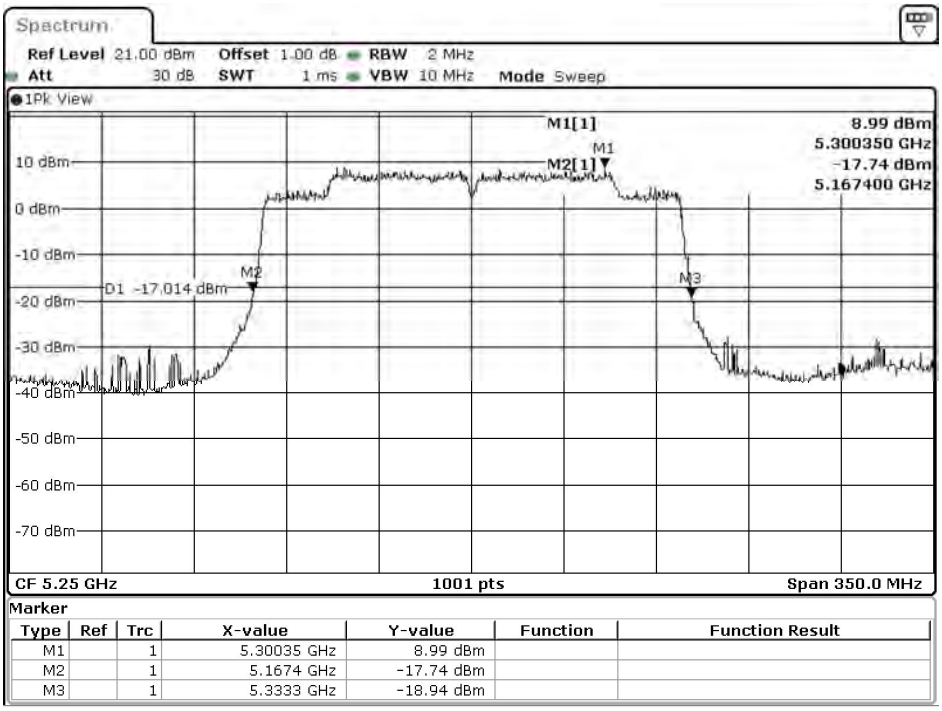
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50/5250	996/67	--	15.65	24	--	Pass
	996/S67	85.050	15.77	24	30.30	Pass

RU config: Full

26dB Occupied Bandwidth:

Channel 50

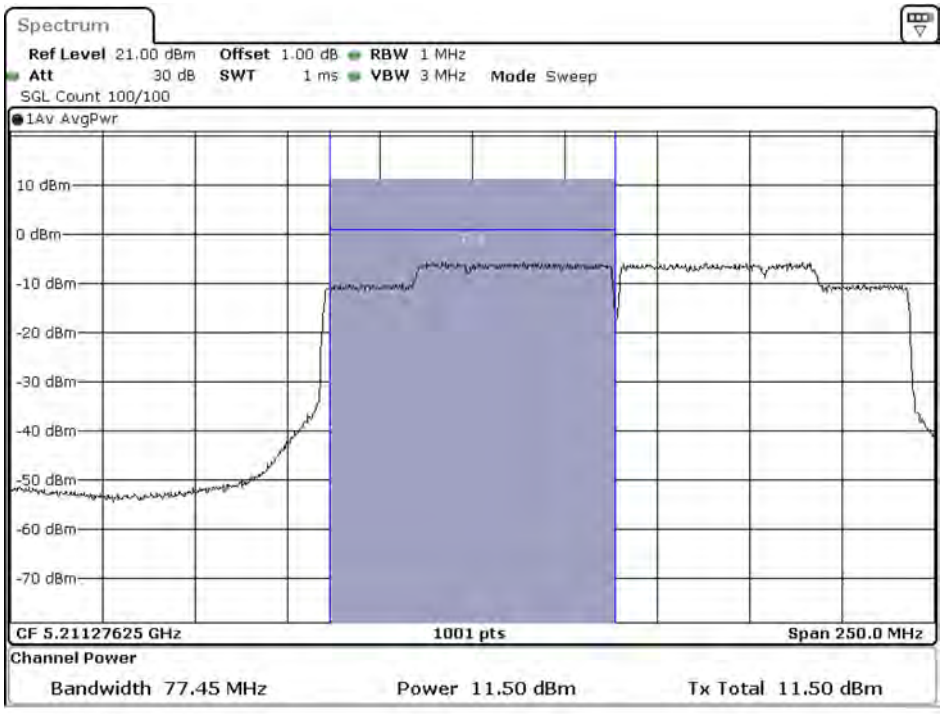


Date: 14.SEP.2021 16:25:22

RU config: Full

Maximum conducted output power:

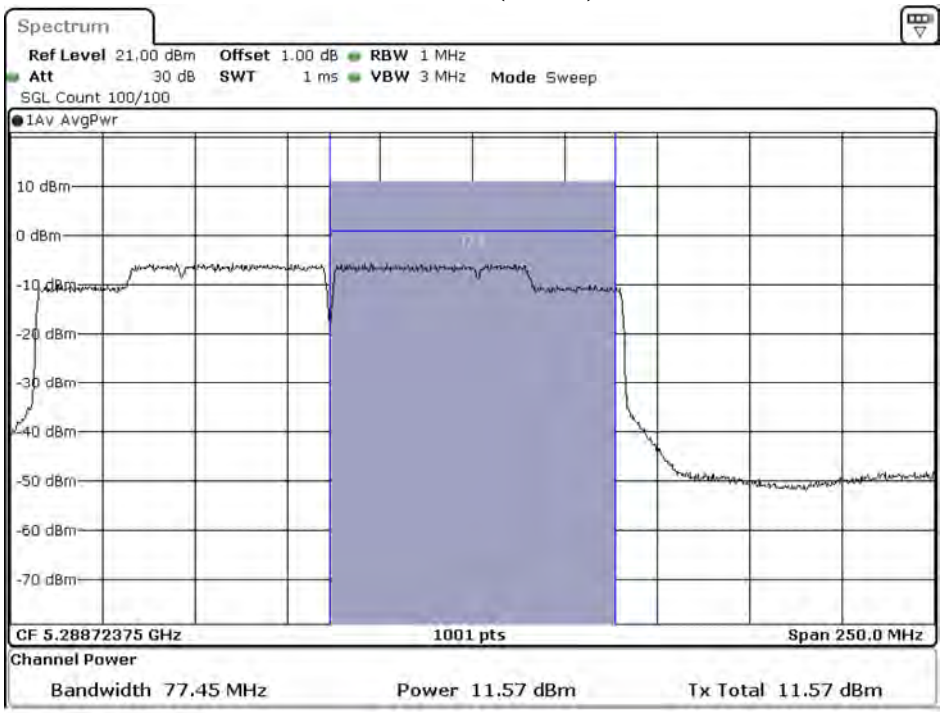
Channel 50 (Band1)



Date: 14.SEP.2021 16:25:44

Maximum conducted output power:

Channel 50 (Band2)

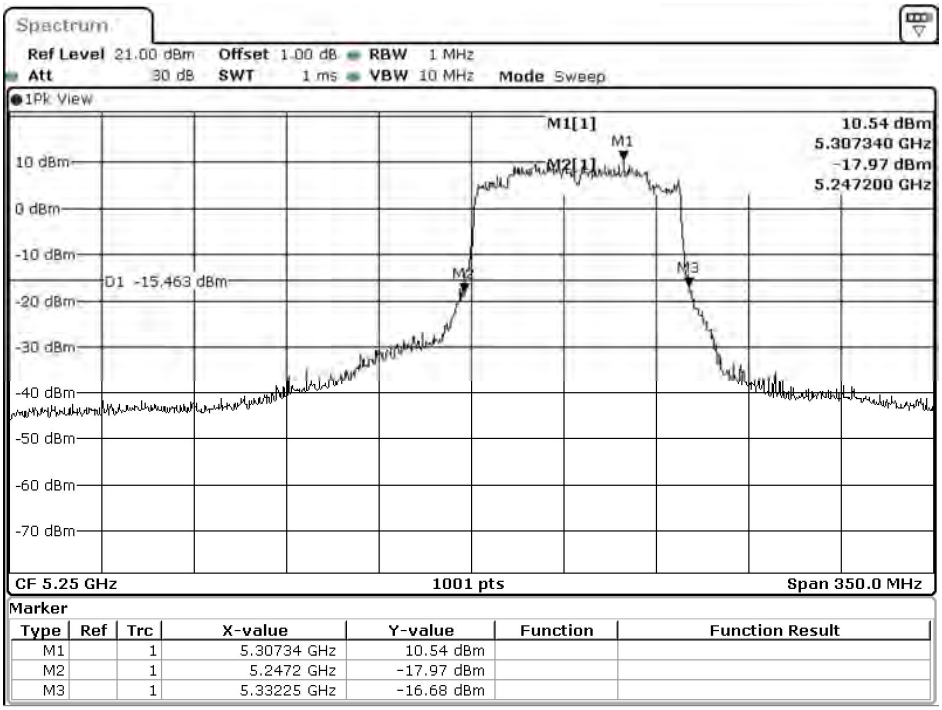


Date: 14.SEP.2021 16:26:07

RU config: Other

26dB Occupied Bandwidth:

Channel 50 - 996/S67



Date: 14.SEP.2021 14:41:19

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 19 MIMO: Transmit (802.11n-20BW_14.4Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15
		Measurement Level (dBm)							
36	5180	17.56	--	--	--	--	--	--	--
40	5200	17.88	17.83	17.78	17.75	17.68	17.64	17.60	17.54
48	5240	17.82	--	--	--	--	--	--	--
52	5260	17.78	--	--	--	--	--	--	--
56	5280	17.82	17.78	17.72	17.69	17.66	17.59	17.53	17.47
64	5320	17.85	--	--	--	--	--	--	--

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

Chain B

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15
		Measurement Level (dBm)							
36	5180	15.65	--	--	--	--	--	--	--
40	5200	17.53	17.47	17.41	17.36	17.33	17.28	17.25	17.22
48	5240	17.56	--	--	--	--	--	--	--
52	5260	18.25	--	--	--	--	--	--	--
56	5280	18.36	18.33	18.26	18.22	18.17	18.13	18.08	18.02
64	5320	16.77	--	--	--	--	--	--	--

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

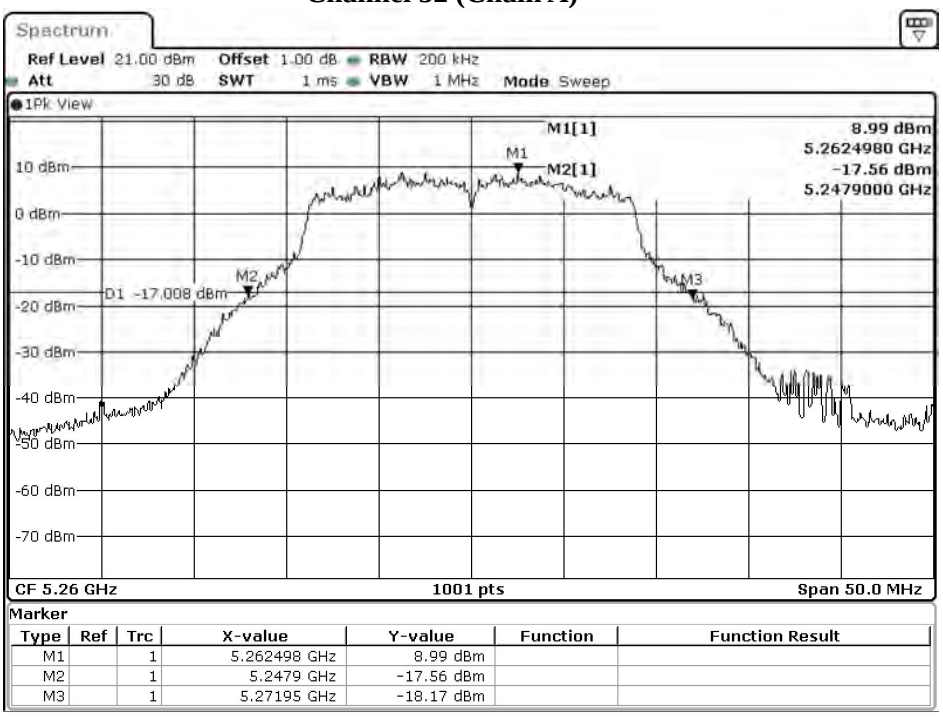
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
36	5180	--	17.56	15.65	19.72	24	--	Pass
40	5200	--	17.88	17.53	20.72	24	--	Pass
48	5240	--	17.82	17.56	20.70	24	--	Pass
52	5260	23.700	17.78	18.25	21.03	24	24.75	Pass
56	5280	22.900	17.82	18.36	21.11	24	24.60	Pass
64	5320	24.000	17.85	16.77	20.35	24	24.80	Pass

Note:

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

26dB Occupied Bandwidth:
Channel 52 (Chain A)

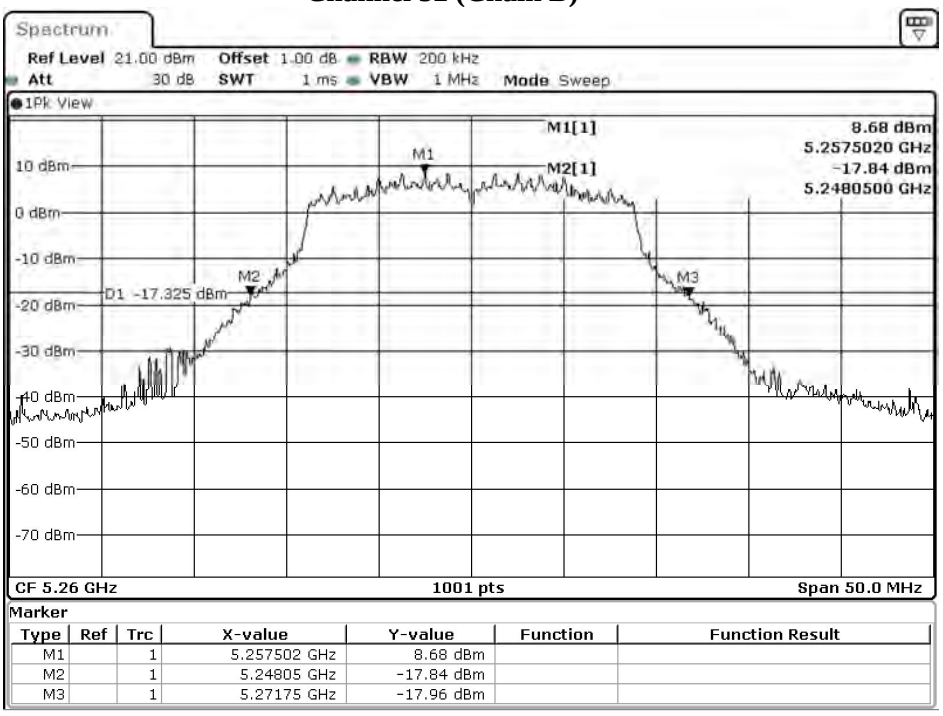


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.262498 GHz	8.99 dBm		
M2		1	5.2479 GHz	-17.56 dBm		
M3		1	5.27195 GHz	-18.17 dBm		

Date: 14.SEP.2021 19:14:53

Channel 52 (Chain B)

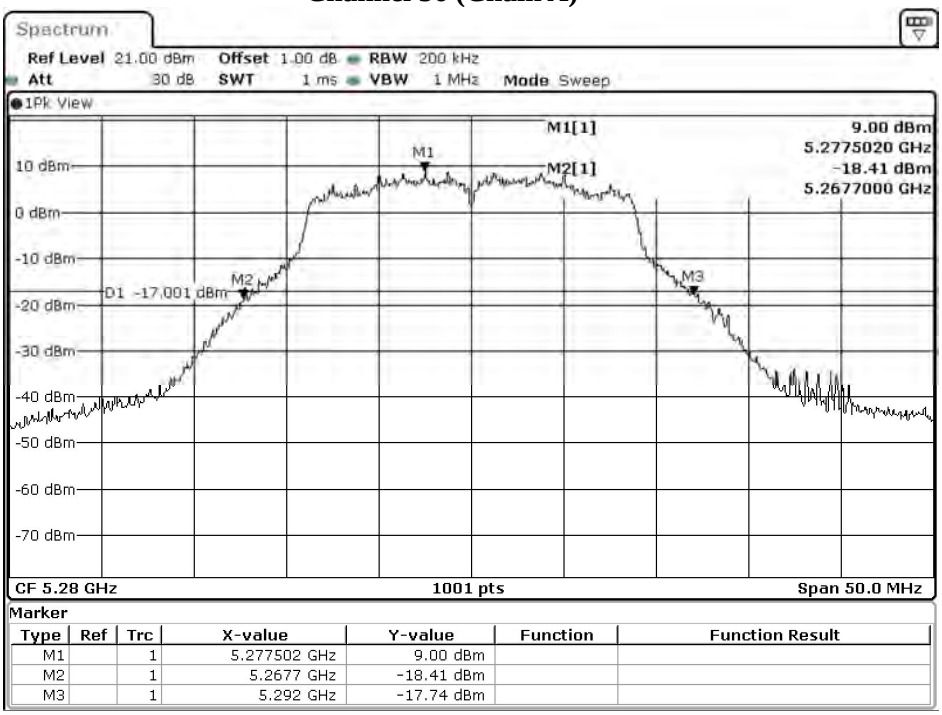


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.257502 GHz	8.68 dBm		
M2		1	5.24805 GHz	-17.84 dBm		
M3		1	5.27175 GHz	-17.96 dBm		

Date: 14.SEP.2021 12:16:19

Channel 56 (Chain A)

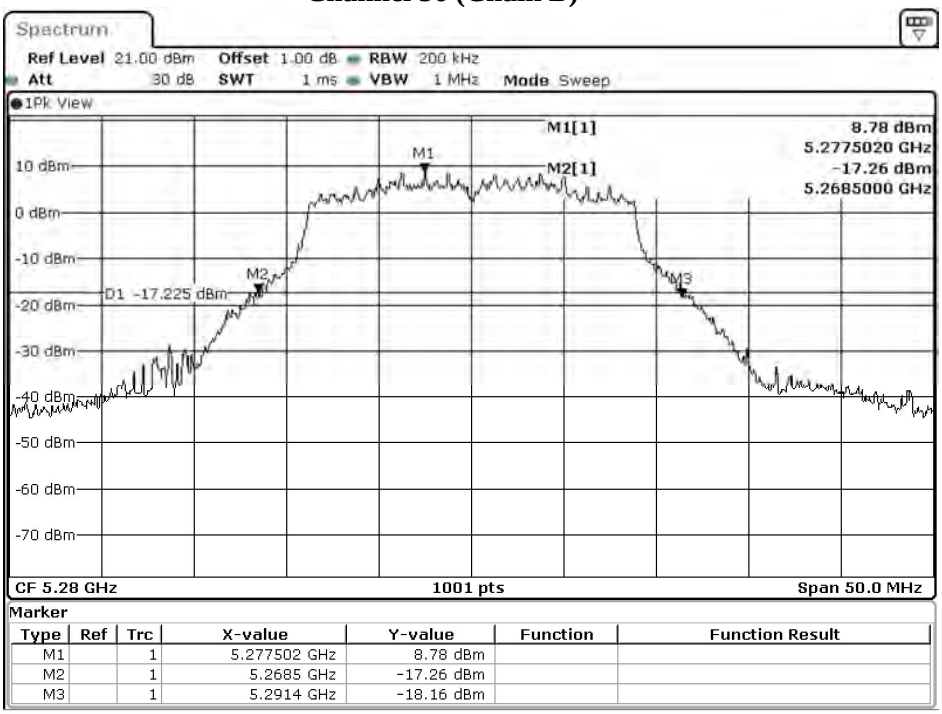


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.277502 GHz	9.00 dBm		
M2		1	5.2677 GHz	-18.41 dBm		
M3		1	5.292 GHz	-17.74 dBm		

Date: 14.SEP.2021 19:21:22

Channel 56 (Chain B)

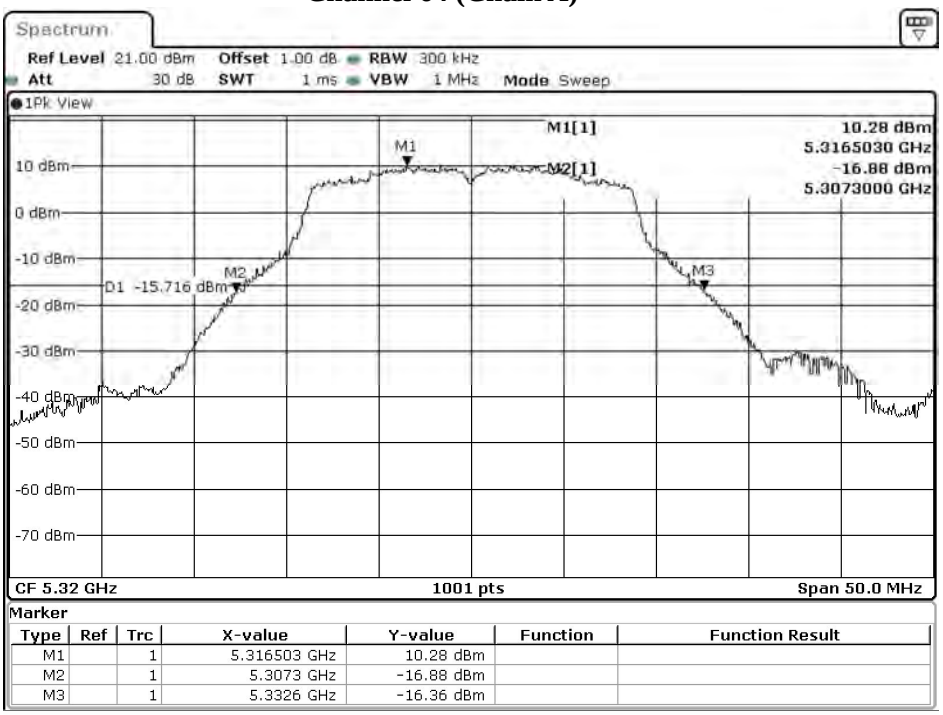


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.277502 GHz	8.78 dBm		
M2		1	5.2685 GHz	-17.26 dBm		
M3		1	5.2914 GHz	-18.16 dBm		

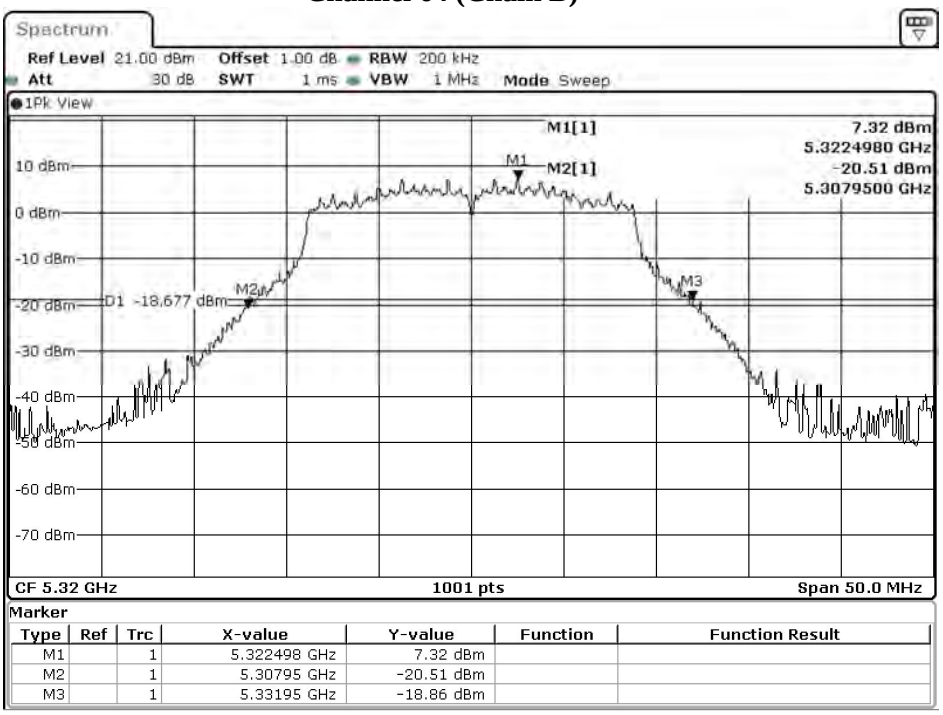
Date: 14.SEP.2021 12:22:49

Channel 64 (Chain A)



Date: 14.SEP.2021 19:23:33

Channel 64 (Chain B)



Date: 14.SEP.2021 12:25:01

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 20 MIMO: Transmit (802.11n-40BW_30Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15
		Measurement Level (dBm)							
38	5190	16.21	--	--	--	--	--	--	--
46	5230	19.85	19.81	19.76	19.72	19.67	19.63	19.59	19.52
54	5270	20.85	--	--	--	--	--	--	--
62	5310	16.11	16.05	16.01	15.97	15.90	15.84	15.78	15.73

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

Chain B

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15
		Measurement Level (dBm)							
38	5190	15.92	--	--	--	--	--	--	--
46	5230	17.33	17.28	17.21	17.16	17.13	17.06	17.01	16.94
54	5270	18.18	--	--	--	--	--	--	--
62	5310	16.55	16.49	16.42	16.36	16.33	16.30	16.25	16.21

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

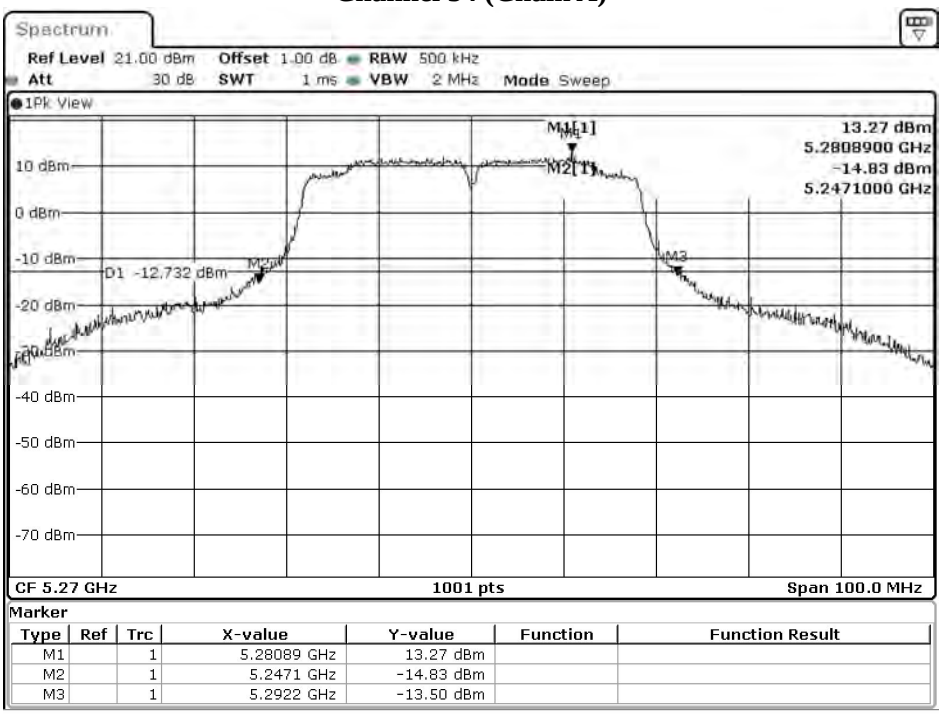
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
38	5190	--	16.21	15.92	19.08	24	--	Pass
46	5230	--	19.85	17.33	21.78	24	--	Pass
54	5270	43.400	20.85	18.18	22.73	24	27.37	Pass
62	5310	42.600	16.11	16.55	19.35	24	27.29	Pass

Note:

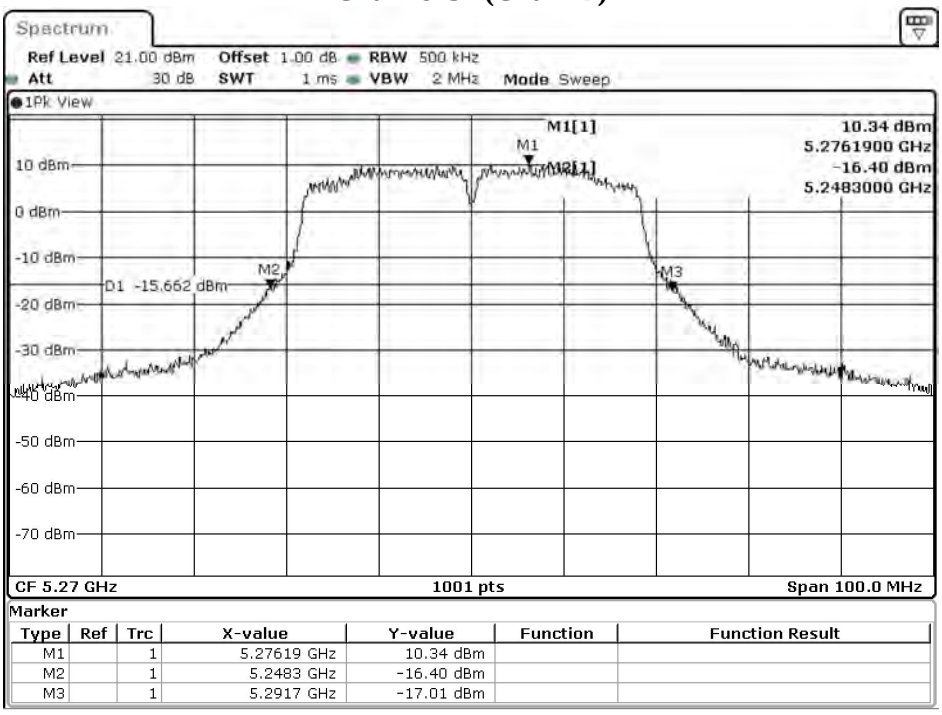
1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 26dB Bandwidth is the bandwidth of chain A or chain Bwhichever is less bandwidth, output power limitation is more stringent.

26dB Occupied Bandwidth:
Channel 54 (Chain A)



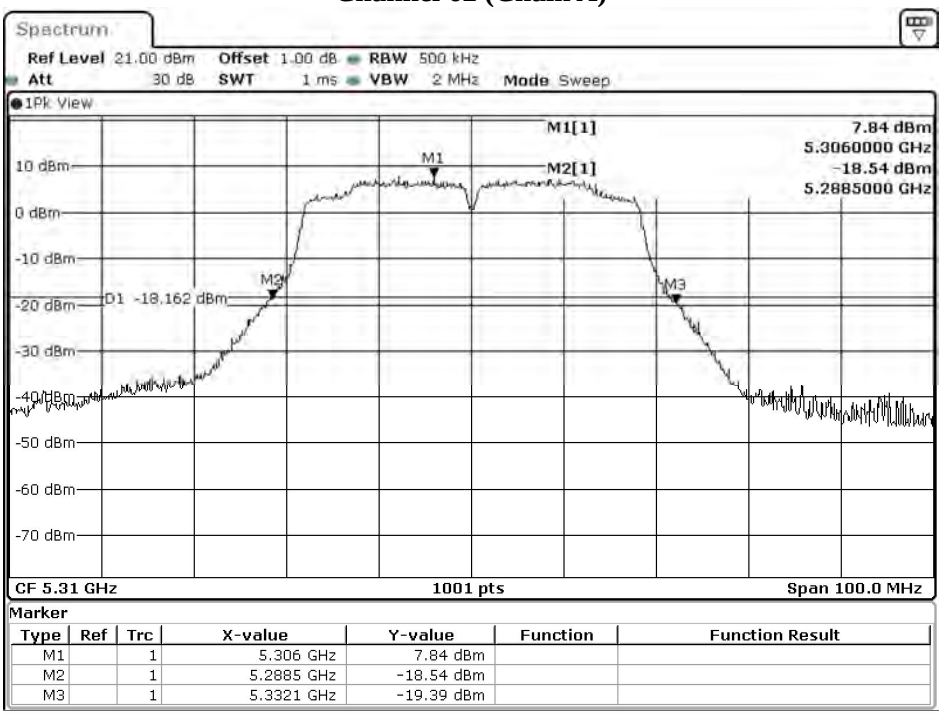
Date: 14.SEP.2021 19:25:56

Channel 54 (Chain B)



Date: 14.SEP.2021 12:27:22

Channel 62 (Chain A)

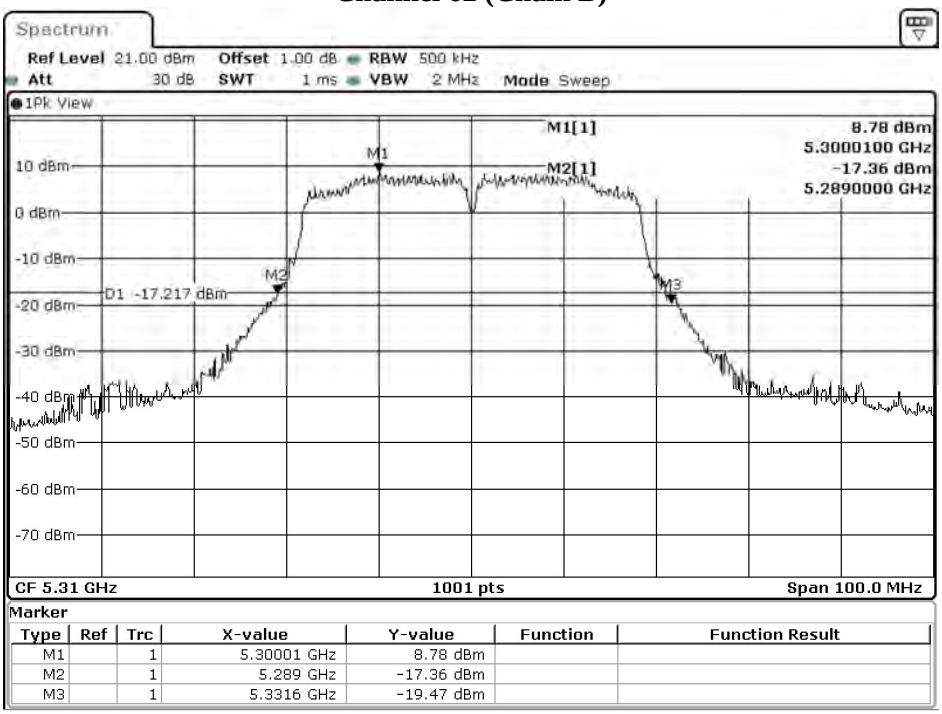


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.306 GHz	7.84 dBm		
M2		1	5.2885 GHz	-18.54 dBm		
M3		1	5.3321 GHz	-19.39 dBm		

Date: 14.SEP.2021 19:28:15

Channel 62 (Chain B)



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.30001 GHz	8.78 dBm		
M2		1	5.289 GHz	-17.36 dBm		
M3		1	5.3316 GHz	-19.47 dBm		

Date: 14.SEP.2021 12:29:42

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 21 MIMO: Transmit (802.11ac-80BW_65Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VHT0	VHT1	VHT2	VHT3	VHT4	VHT5	VHT6	VHT7	VHT8	VHT9
42	5210	15.98	15.95	15.90	15.86	15.81	15.74	15.71	15.64	15.59	15.52
58	5290	16.22	16.16	16.11	16.06	16.01	15.98	15.93	15.87	15.81	15.74

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

Chain B

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VHT0	VHT1	VHT2	VHT3	VHT4	VHT5	VHT6	VHT7	VHT8	VHT9
42	5210	16.05	10.74	10.71	10.62	10.59	10.55	10.51	10.44	10.38	10.33
58	5290	10.79	10.70	10.64	10.61	10.51	10.48	10.38	10.35	10.28	10.21

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

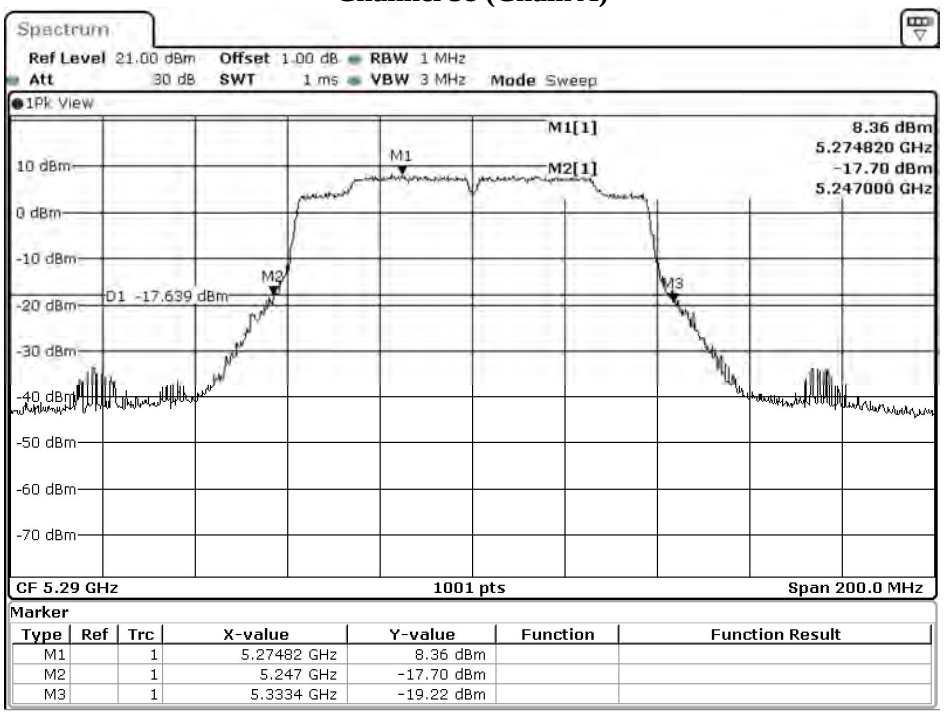
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
42	5210	--	15.98	16.05	19.03	24	--	Pass
58	5290	84.600	16.22	16.23	19.24	24	30.27	Pass

Note:

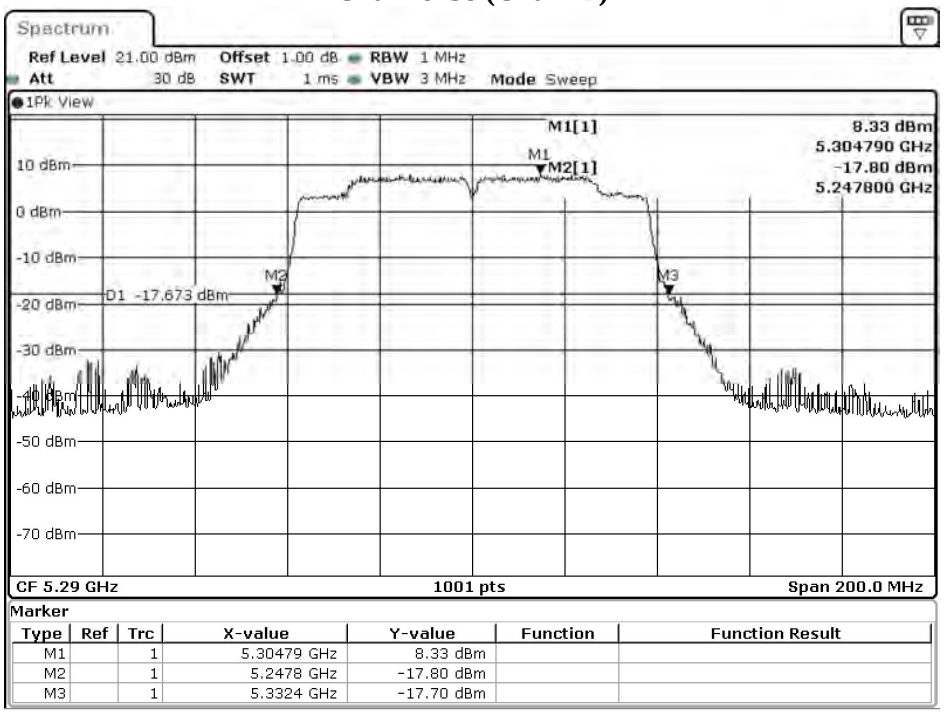
1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 26dB Bandwidth is the bandwidth of chain A or chain Bwhichever is less bandwidth, output power limitation is more stringent.

26dB Occupied Bandwidth:
Channel 58 (Chain A)



Date: 14.SEP.2021 19:12:21

Channel 58 (Chain B)



Date: 14.SEP.2021 12:13:48

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 22 MIMO: Transmit (802.11ac-160BW_130Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VHT0	VHT1	VHT2	VHT3	VHT4	VHT5	VHT6	VHT7	VHT8	VHT9
50ac160(Band1)	5250	9.56	9.49	9.42	9.39	9.35	9.29	9.23	9.19	9.14	9.10
50ac160(Band2)	5250	9.48	9.42	9.36	9.30	9.27	9.21	9.16	9.09	9.04	8.97

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

Chain B

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VHT0	VHT1	VHT2	VHT3	VHT4	VHT5	VHT6	VHT7	VHT8	VHT9
50ac160(Band1)	5250	9.88	9.83	9.78	9.71	9.67	9.60	9.56	9.51	9.46	9.42
50ac160(Band2)	5250	9.82	9.75	9.70	9.67	9.61	9.55	9.50	9.43	9.40	9.36

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

Maximum conducted output power Measurement:

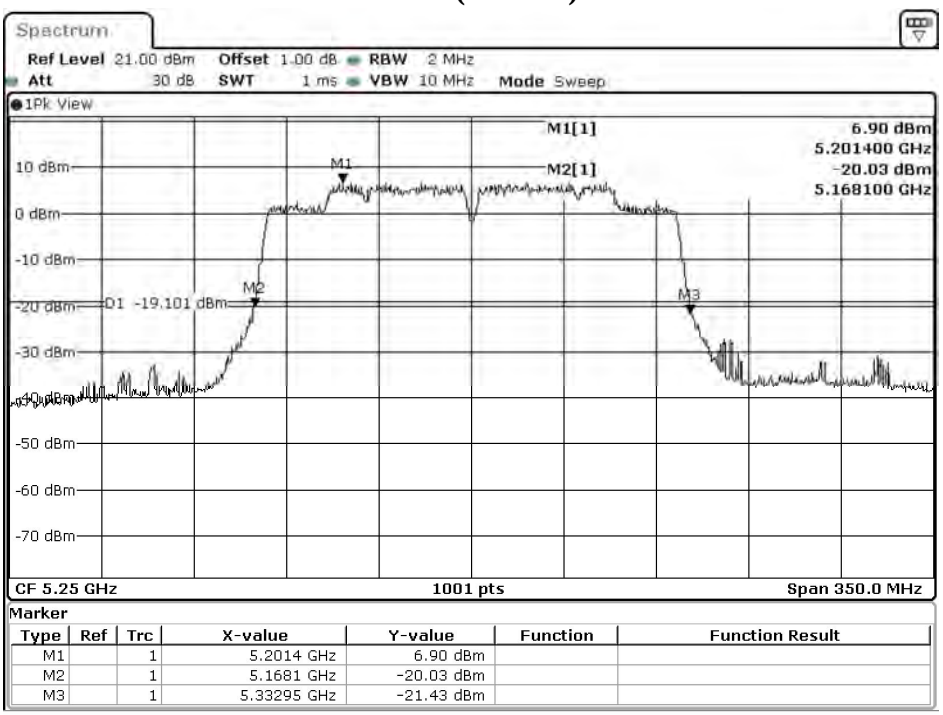
Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
50ac160(Band1)	5250	--	9.56	9.88	12.73	24	--	Pass
50ac160(Band2)	5250	82.950	9.48	9.82	12.66	24	30.19	Pass

Note:

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

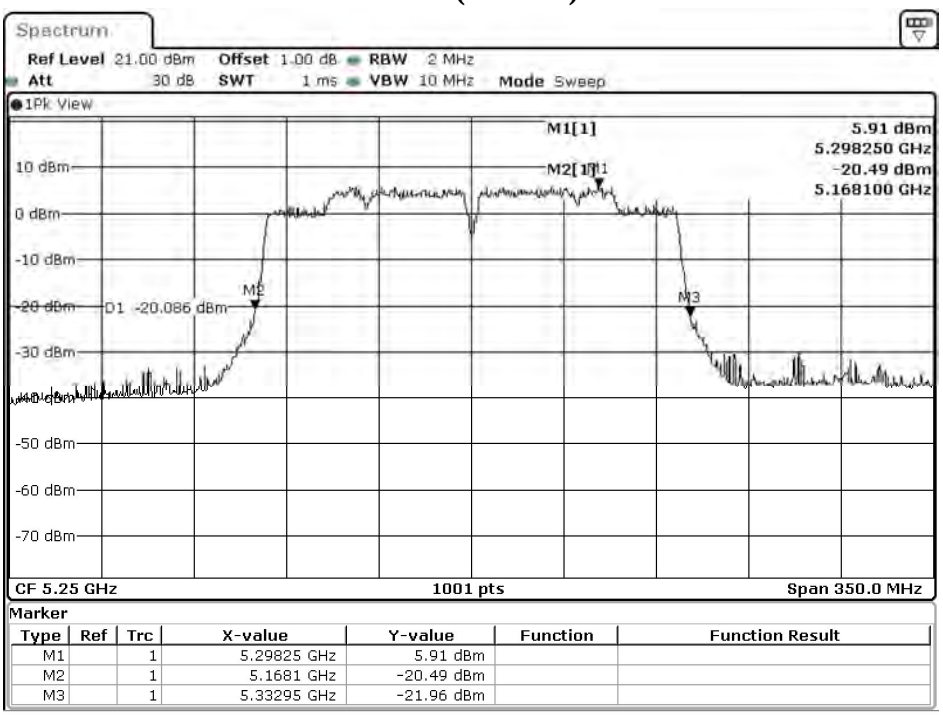
26dB Occupied Bandwidth:

Channel 50 (Chain A)



Date: 14.SEP.2021 19:08:02

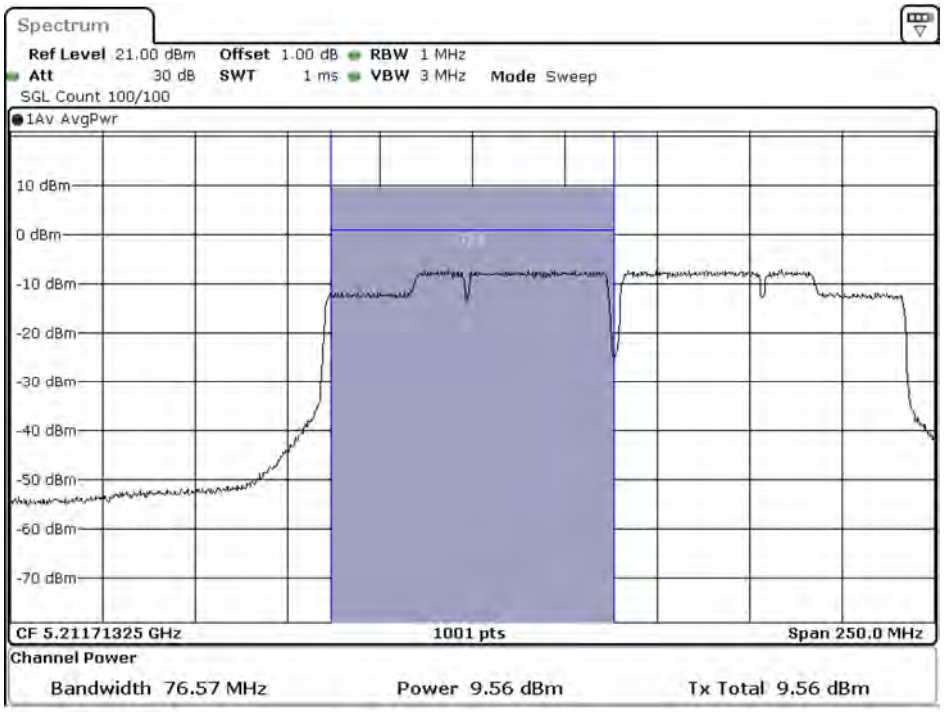
Channel 50 (Chain B)



Date: 14.SEP.2021 12:09:29

Maximum conducted output power:

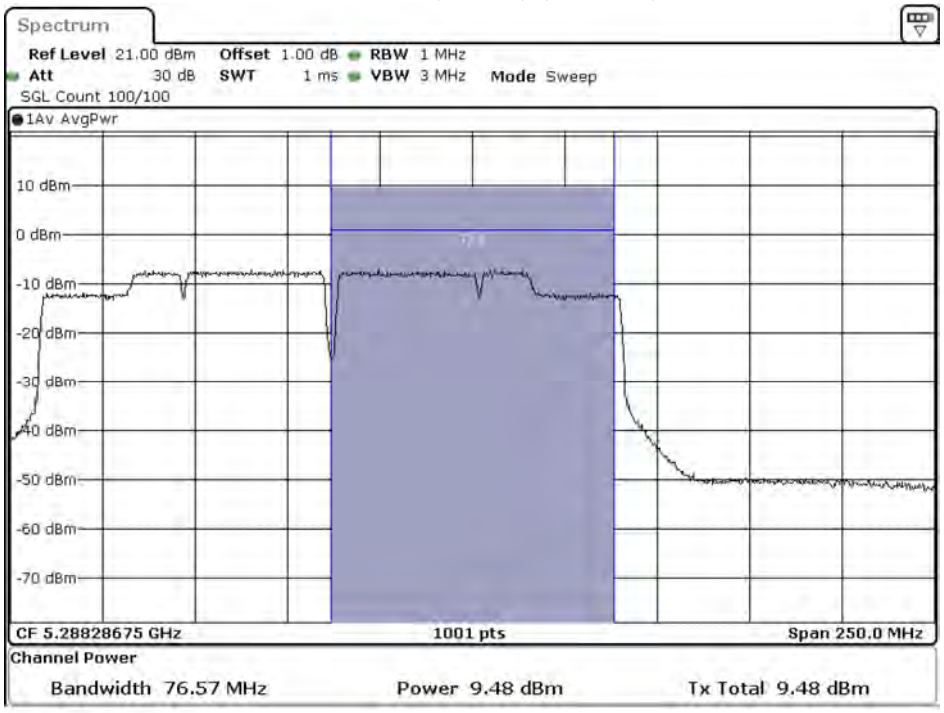
Channel 50 (Band1) (Chain A)



Date: 14.SEP.2021 19:08:24

Maximum conducted output power:

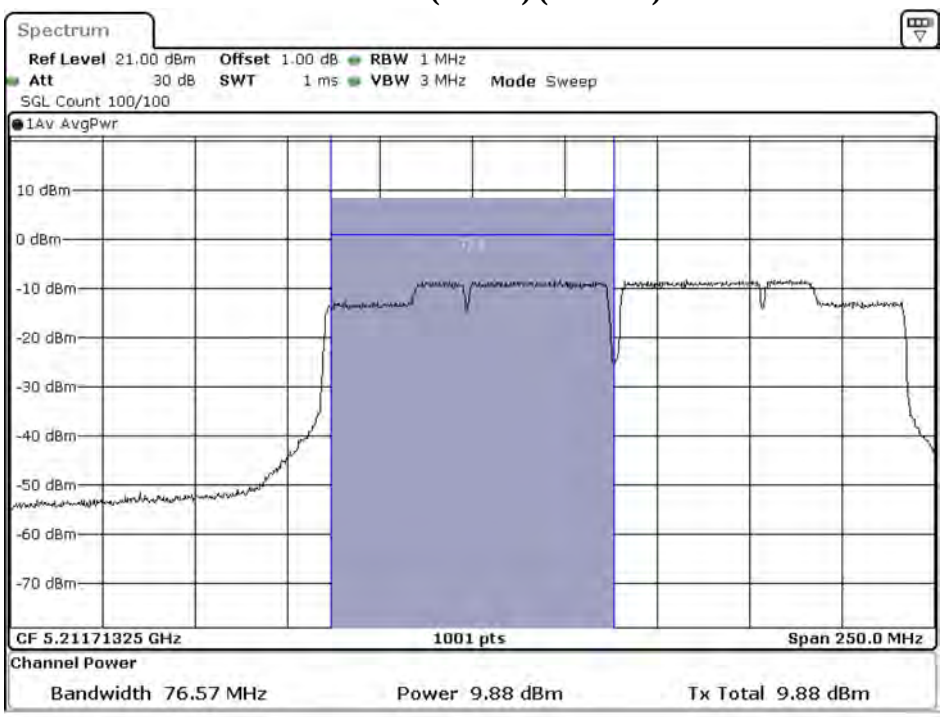
Channel 50 (Band2) (Chain A)



Date: 14.SEP.2021 19:08:47

Maximum conducted output power:

Channel 50 (Band1) (Chain B)



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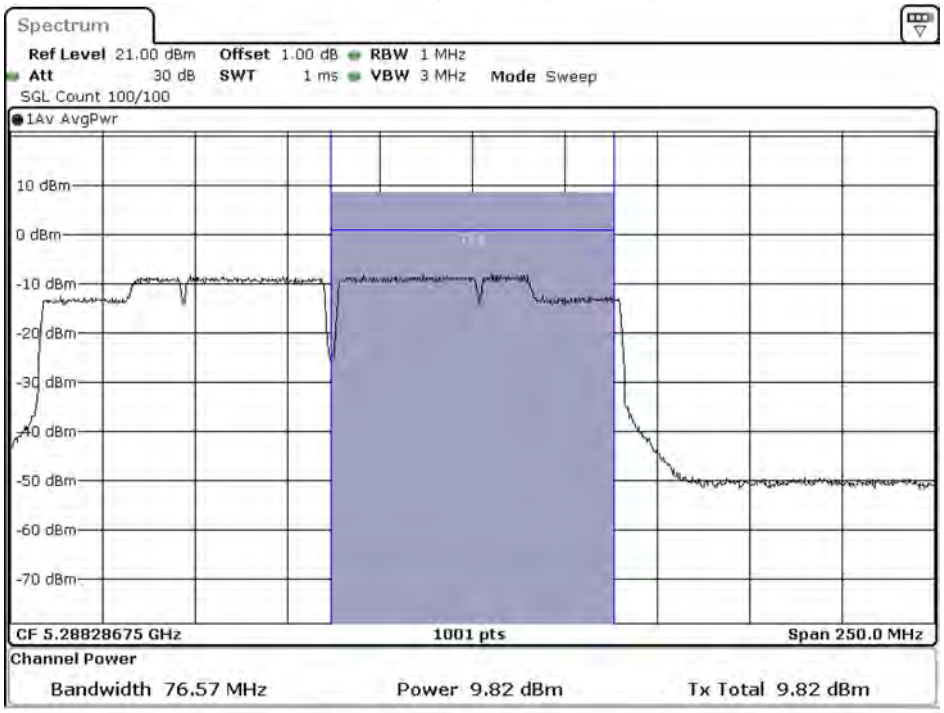
Maximum conducted output power:

Channel 50 (Band2) (Chain B)



Date: 14.SEP.2021 12:10:49

Product : Intel® Wi-Fi 6E AX211
Test Item : Maximum conducted output power
Test Date : 2021/09/14
Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps)

Chain A
RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
36	5180	18.05	--	--	--	--	--	--	--	--	--	--	--
44	5220	18.63	18.5976	18.5554	18.52	18.47	18.43	18.39	18.35	18.32	18.25	18.21	18.17
48	5240	18.51	--	--	--	--	--	--	--	--	--	--	--
52	5260	18.55	--	--	--	--	--	--	--	--	--	--	--
60	5300	18.52	18.4785	18.4263	18.38	18.33	18.27	18.21	18.16	18.10	18.05	17.99	17.95
64	5320	17.04	--	--	--	--	--	--	--	--	--	--	--

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

Chain B
RU config: Full

Cable loss=1dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		Measurement Level (dBm)											
36	5180	16.27	--	--	--	--	--	--	--	--	--	--	--
44	5220	18.45	18.39	18.35	18.32	18.26	18.21	18.14	18.11	18.05	18.01	17.97	17.92
48	5240	18.53	--	--	--	--	--	--	--	--	--	--	--
52	5260	18.54	--	--	--	--	--	--	--	--	--	--	--
60	5300	18.51	18.47	18.41	18.35	18.29	18.24	18.18	18.15	18.10	18.06	18.01	17.96
64	5320	16.31	--	--	--	--	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
36	5180	--	18.05	16.27	20.26	24	--	Pass
44	5220	--	18.63	18.45	21.55	24	--	Pass
48	5240	--	18.51	18.53	21.53	24	--	Pass
52	5260	23.70	18.55	18.54	21.56	24	24.75	Pass
60	5300	23.60	18.52	18.51	21.53	24	24.73	Pass
64	5320	23.70	17.04	16.31	19.70	24	24.75	Pass

Note:

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

Chain A
RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Lim
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
36/5180	26/0	10.68	--	--	--	--	--	--	--	--	--	--	--	<24dBm
	52/37	13.85	13.80	13.74	13.69	13.63	13.58	13.53	13.47	13.43	13.38	13.35	13.28	<24dBm
	106/53	16.21	--	--	--	--	--	--	--	--	--	--	--	<24dBm
64/5320	26/8	10.28	--	--	--	--	--	--	--	--	--	--	--	<24dBm
	52/40	13.34	13.29	13.25	13.19	13.14	13.08	13.02	12.98	12.94	12.89	12.82	12.79	<24dBm
	106/54	15.86	--	--	--	--	--	--	--	--	--	--	--	<24dBm

Chain B
RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Lim
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11	
36/5180	26/0	10.79	--	--	--	--	--	--	--	--	--	--	--	<24dBm
	52/37	13.59	13.54	13.50	13.46	13.40	13.35	13.29	13.25	13.21	13.15	13.09	13.05	<24dBm
	106/53	15.19	--	--	--	--	--	--	--	--	--	--	--	<24dBm
64/5320	26/8	10.25	--	--	--	--	--	--	--	--	--	--	--	<24dBm
	52/40	13.09	13.05	12.99	12.94	12.87	12.81	12.78	12.72	12.68	12.64	12.58	12.55	<24dBm
	106/54	16.05	--	--	--	--	--	--	--	--	--	--	--	<24dBm

Maximum conducted output power Measurement:

Channel No / Frequency Range	RU setting	26dB Bandwidth	Chain A Power	Chain B Power	Output Power Limit	Output power limit		Result
		(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log (BW)	
36/5180	26/0	--	10.68	10.79	13.75	24	--	Pass
	52/37	--	13.85	13.59	16.73	24	--	Pass
	106/53	--	16.21	15.19	18.74	24	--	Pass
64/5320	26/8	20.250	10.28	10.25	13.28	24	24.06	Pass
	52/40	20.750	13.34	13.09	16.23	24	24.17	Pass
	106/54	21.650	15.86	16.05	18.97	24	24.35	Pass

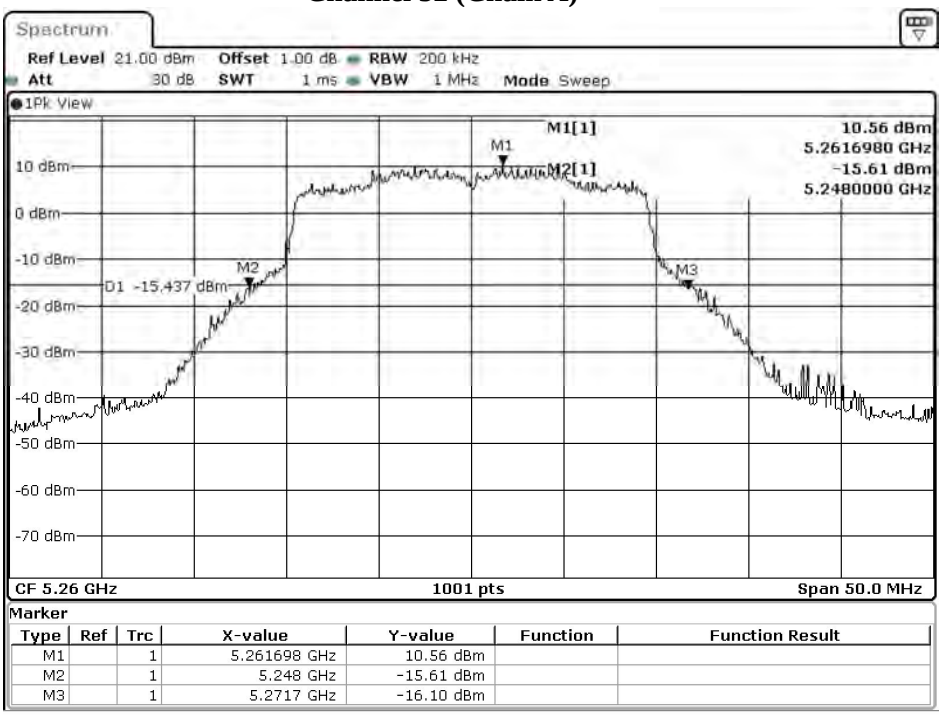
Note:

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

RU config: Full

26dB Occupied Bandwidth:

Channel 52 (Chain A)



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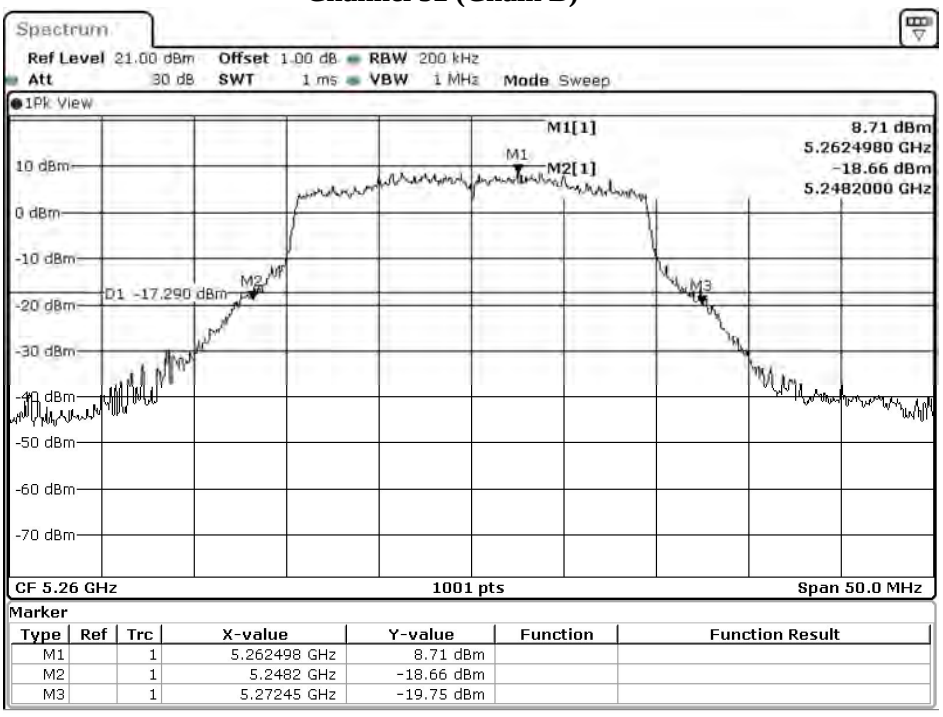
Channel 52 (Chain B)



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