FCC Test Report

(Class II Permissive Change)

Product Name	Intel® Wireless-AC 9260
Model No	9260NGW
FCC ID	XHU-GCU040864

Applicant	Sorenson Communications, LLC
Address	4192 South Riverboat Road, Salt Lake City, Utah 84123

Date of Receipt	Dec. 21, 2020
Issued Date	Mar. 23, 2021
Report No.	20C0795R-E3032110130
Report Version	V1.0

Testing Laboratory
3023

Test Report

Issued Date: Mar. 23, 2021
Report No.: 20C0795R-E3032110130

Product Name	Intel® Wireless-AC 9260
Applicant	Sorenson Communications, LLC
Address	4192 South Riverboat Road, Salt Lake City, Utah 84123
Manufacturer	INTEL CORPORATION SAS
Model No.	9260NGW
FCC ID.	XHU-GCU040864
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 : Leven Huang

(Senior Adm. Specialist / Leven Huang)

Tested By : Ivan Chuang

(Senior Engineer / Ivan Chuang)

Approved By :

(Director / Vincent Lin)

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Revision History

Report No.	Version	Description	Issued Date
20C0795R-E3032110130	V1.0	Initial issue of report.	2021-03-23

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Intel® Wireless-AC 9260
Trade Name	Intel
Model No.	9260NGW
FCC ID.	XHU-GCU040864
Frequency Range	802.11a/n-20MHz: 5180-5320MHz, 5500-5700MHz, 5720 MHz, 5745-5825MHz 802.11n-40MHz: 5190-5310MHz, 5510-5670MHz, 5710 MHz, 5755-5795MHz 802.11ac-80MHz: 5210-5290MHz, 5530-5690MHz, 5775MHz 802.11ac-160MHz: 5250MHz, 5570MHz
Number of Channels	802.11a/n-20MHz: 25 802.11n-40MHz: 12 802.11ac-80MHz: 6 802.11ac-160MHz: 2
Data Rate	802.11a: 6 - 54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.3Mbps
Type of Modulation	802.11a/n/ac: OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM
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	Molex	1461531050	Dipole Antenna	4.25dBi for 5.15~5.25GHz 4.25dBi for 5.25~5.35GHz 4.25dBi for 5.47~5.725GHz 4.25dBi for 5.725~5.85GHz

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

802.11a/n-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-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-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-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® Wireless-AC 9260 with a built-in WLAN (802.11a/b/g/n/ac) with Bluetooth (5.0 and BT3.0+HS) combo card module, 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: XHU-GCU040864.

The major change filed under this application is:
Change #1: Addition a Dipole Antenna, the antenna type is different with the original application.

Test Mode	Mode 1 SISO A: Transmit (802.11a_6Mbps) Mode 2 SISO A: Transmit (802.11n-20BW_7.2Mbps) Mode 3 SISO A: Transmit (802.11n-40BW_15Mbps) Mode 4 SISO A: Transmit (802.11ac-80BW_32.5Mbps) Mode 5 SISO A: Transmit (802.11ac-160BW_65Mbps) Mode 6 SISO B: Transmit (802.11a_6Mbps) Mode 7 SISO B: Transmit (802.11n-20BW_7.2Mbps) Mode 8 SISO B: Transmit (802.11n-40BW_15Mbps) Mode 9 SISO B: Transmit (802.11ac-80BW_32.5Mbps) Mode 10 SISO B: Transmit (802.11ac-160BW_65Mbps) Mode 11 MIMO: Transmit (802.11n-20BW_14.4Mbps) Mode 12 MIMO: Transmit (802.11n-40BW_30Mbps) Mode 13 MIMO: Transmit (802.11ac-80BW_65Mbps) Mode 14 MIMO: Transmit (802.11ac-160BW_130Mbps) Mode 15 Transmit-SISO A Mode 16 Transmit-SISO B Mode 17 Transmit-MIMO

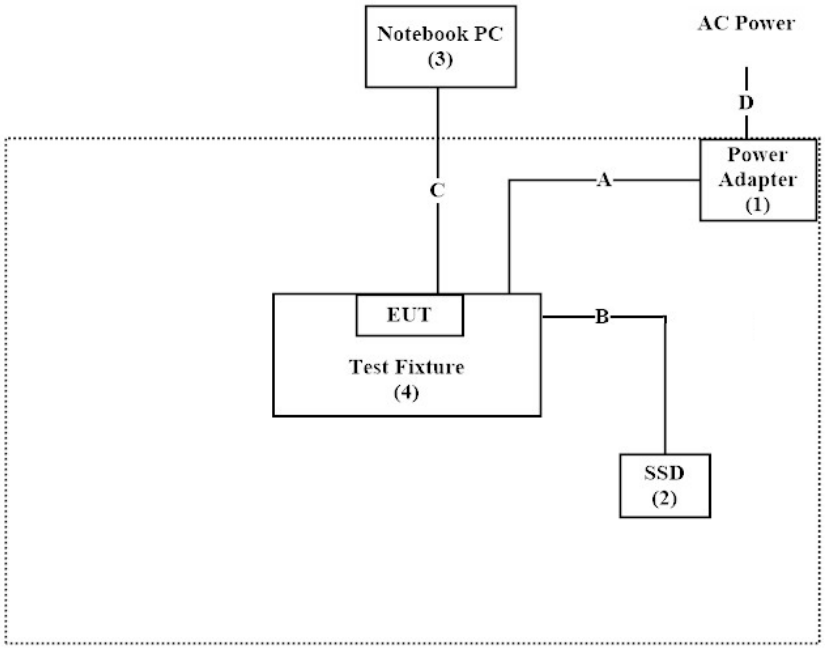
1.2. Tested System Datails

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	Power Adapter	GIGA-BYTE	THX-120400KV	N/A	Non-Shielded, 1.8m
2	SSD	Corsair	Force LE 200	N/A	N/A
3	Notebook PC	ASUS	S1300	24NP035390	Non-Shielded, 1.8m
4	Test Fixture	Sorenson	GCU040864	N/A	N/A

Signal Cable Type		Signal cable Description
A	Power Cable	Non-Shielded, 1.8m
B	USB Cable	Shielded, 0.4m
C	LAN Cable	Non-Shielded, 2m
D	Power Cable	Non-Shielded, 1m

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 v12. 1947.0-10428” 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 ℃	23.3℃
	Humidity (%RH)	10~90 %	58%
Conductive	Temperature (°C)	10~40 ℃	22℃
	Humidity (%RH)	10~90 %	55%

USA : FCC Registration Number: TW0031

Canada : IC Registration Number: 26443

Site Description : Accredited by TAF
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd
Address : No. 6, Lane 75, Wenlin St., Linkou Dist.,
New Taipei City 24457, Taiwan, R.O.C.
Phone number : 886-2-2602-7968
Fax number : 866-2-2602-3286
Email address : info.tw@dekra.com
Website : http://www.dekra.com.tw

1.6. List of Test Equipment

For Conducted measurements /AC3

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Spectrum Analyzer	R&S	FSV30	103466	2020.12.28	2021.12.27
X	Peak Power Analyzer	KEYSIGHT	8900B	MY51000539	2020.05.13	2021.05.12
X	Power Sensor	KEYSIGHT	N1923A	MY59240002	2020.05.22	2021.05.21
X	Power Sensor	KEYSIGHT	N1923A	MY59240003	2020.05.22	2021.05.21
	Bluetooth Tester	R&S	CBT	101238	2019.01.21	2020.01.20

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

For Radiated measurements /AC3

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Loop Antenna	AMETEK	HLA6121	56736	2020.03.19	2021.03.18
X	Bi-Log Antenna	SCHWARZBECK	VULB9168	01125	2020.07.31	2021.07.30
X	Horn Antenna	ETS-Lindgren	3117	00227709	2020.11.03	2021.11.02
X	Horn Antenna	Com-Power	AH-840	10090014	2020.08.05	2021.08.04
X	Pre-Amplifier	SGH	EM330	060736	2020.08.03	2021.08.02
X	Pre-Amplifier	SGH	PRAMP118	20200701	2020.08.03	2021.08.02
X	Pre-Amplifier	SGH	PRAMP0510	20200703	2020.08.03	2021.08.02
X	Pre-Amplifier	SGH	PRAMP184	20200705	2020.08.04	2021.08.03
	Filter	MICRO TRONICS	BRM50702	G249	2020.08.25	2021.08.24
X	Filter	MICRO TRONICS	BRM50716	G187	2020.08.25	2021.08.24
X	EMI Test Receiver	R&S	ESR7	101601	2021.01.04	2022.01.03
X	Spectrum Analyzer	R&S	FSV40	101148	2020.03.16	2021.03.15
X	Coaxial Cable	SUHNER	SUCOFLEX 106	RF003	2020.09.18	2021.09.17
X	Mircoflex Cable	HUBER SUHNER	SUCOFLEX 102	MY3381/2	2020.06.10	2021.06.09
	Wireless Connectivity Tester	R&S	CMW270	100978	2020.06.17	2021.06.16

Note:
1. All equipments are calibrated every one year.
2. The test instruments marked with “X” are used to measure the final test results.
3. Test Software version : DEKRA Testing System V2.0.

1.7. Uncertainty

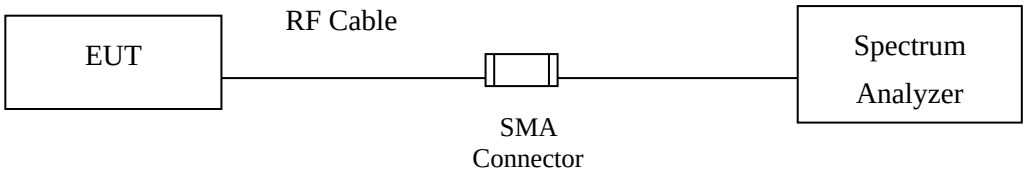
Uncertainties have been calculated according to the DEKRA internal document, and is described in each test chapter of this report.
The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.
Measurement 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	Spectrum Analyzer ±2.53 dB
Radiated Emission	Under 1GHz ±4.06 dB	Above 1GHz ±3.73 dB
Band Edge	Under 1GHz ±4.06 dB	Above 1GHz ±3.73 dB
Duty Cycle	±2.31 ms	

2. Maximun conducted output power

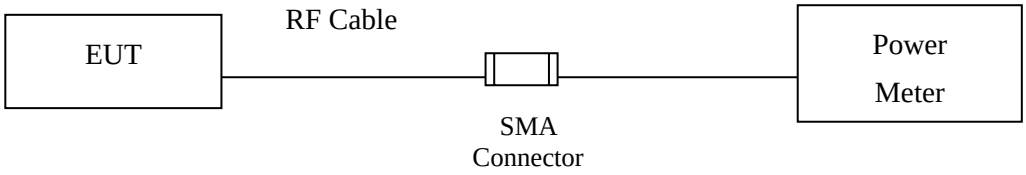
2.1. Test Setup

26dB Occupied Bandwidth

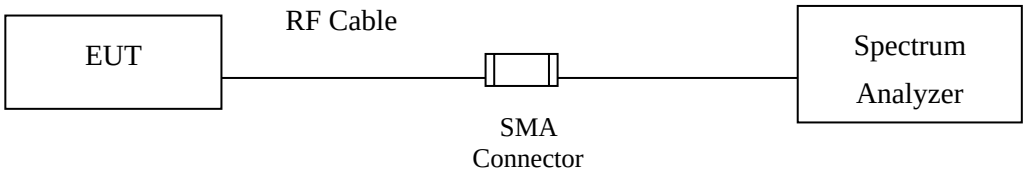


Conduction Power Measurement

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-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.

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 26dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point UNII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple 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.

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® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
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	17.26	--	--	--	--	--	--	--
44	5220	20.5	20.42	20.34	20.27	20.19	20.14	20.05	19.95
48	5240	20.92	--	--	--	--	--	--	--
52	5260	20.99	--	--	--	--	--	--	--
60	5300	20.79	20.72	20.65	20.58	20.5	20.46	20.38	20.29
64	5320	17.21	--	--	--	--	--	--	--
100	5500	18.25	--	--	--	--	--	--	--
116	5580	21.07	21	20.93	20.9	20.82	20.76	20.7	20.63
140	5700	18.8	--	--	--	--	--	--	--
149	5745	21.66	--	--	--	--	--	--	--
157	5785	21.16	21.07	21.01	20.96	20.89	20.8	20.75	20.7
165	5825	21.34	--	--	--	--	--	--	--

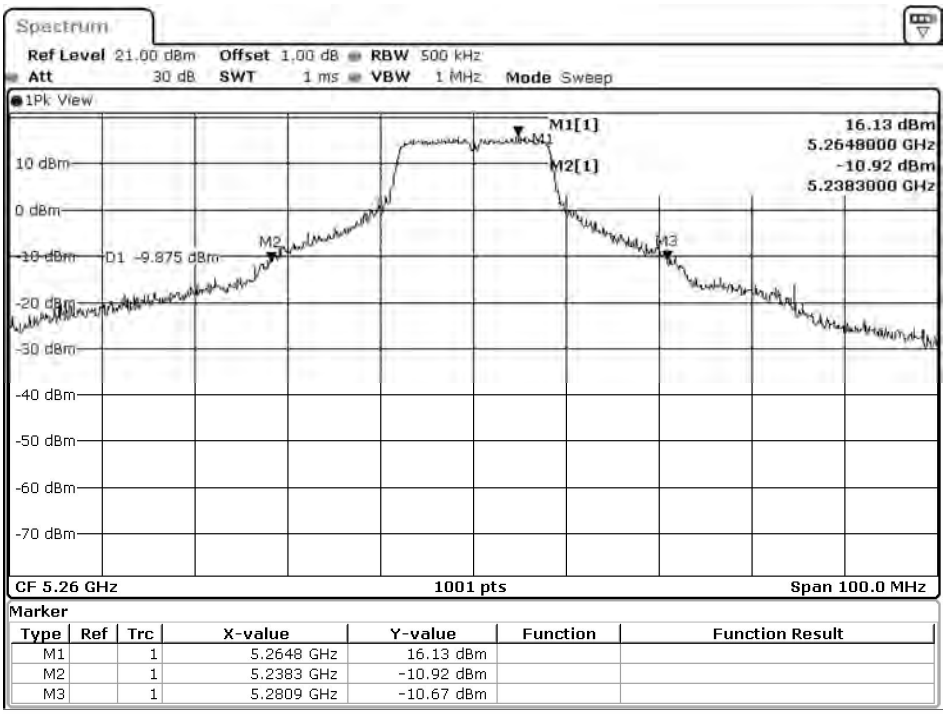
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	17.26	24	--	Pass
44	5220	--	20.50	24	--	Pass
48	5240	--	20.92	24	--	Pass
52	5260	42.60	20.99	24	27.29	Pass
60	5300	38.65	20.79	24	26.87	Pass
64	5320	23.70	17.21	24	24.75	Pass
100	5500	22.85	18.25	24	24.59	Pass
116	5580	36.75	21.07	24	26.65	Pass
140	5700	23.25	18.80	24	24.66	Pass
149	5745	--	21.66	30	--	Pass
157	5785	--	21.16	30	--	Pass
165	5825	--	21.34	30	--	Pass

26dB Occupied Bandwidth:

Channel 52



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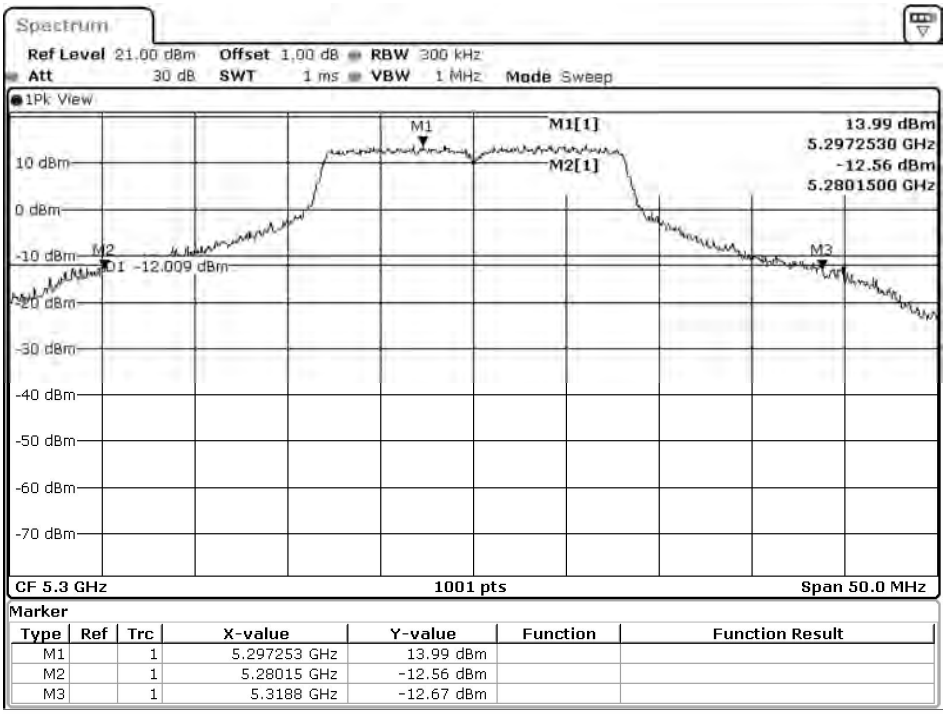
Channel 60



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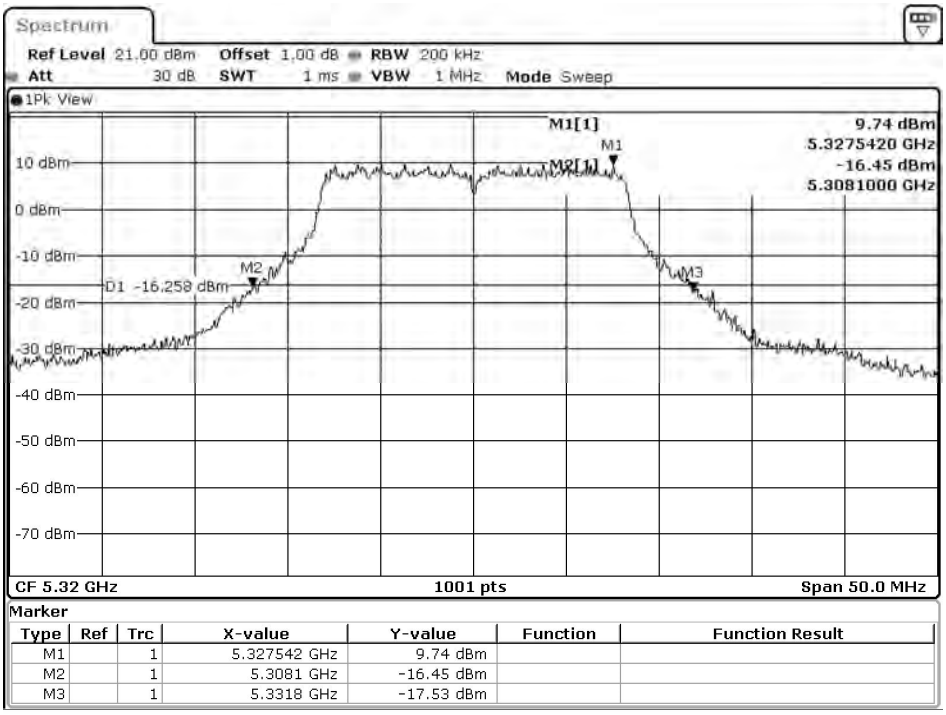
Channel 64



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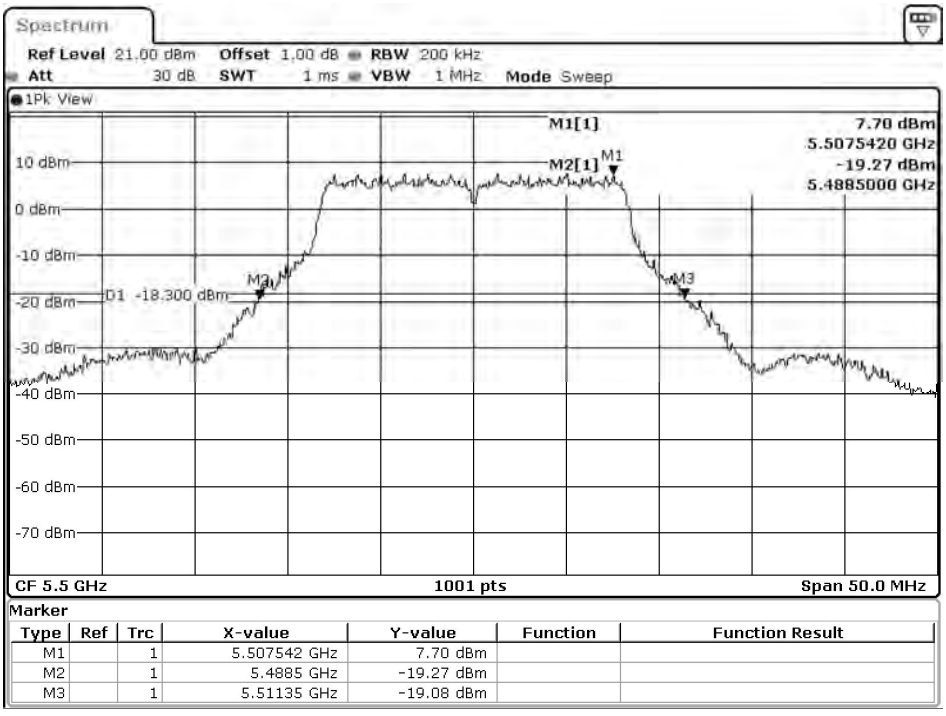
Channel 100



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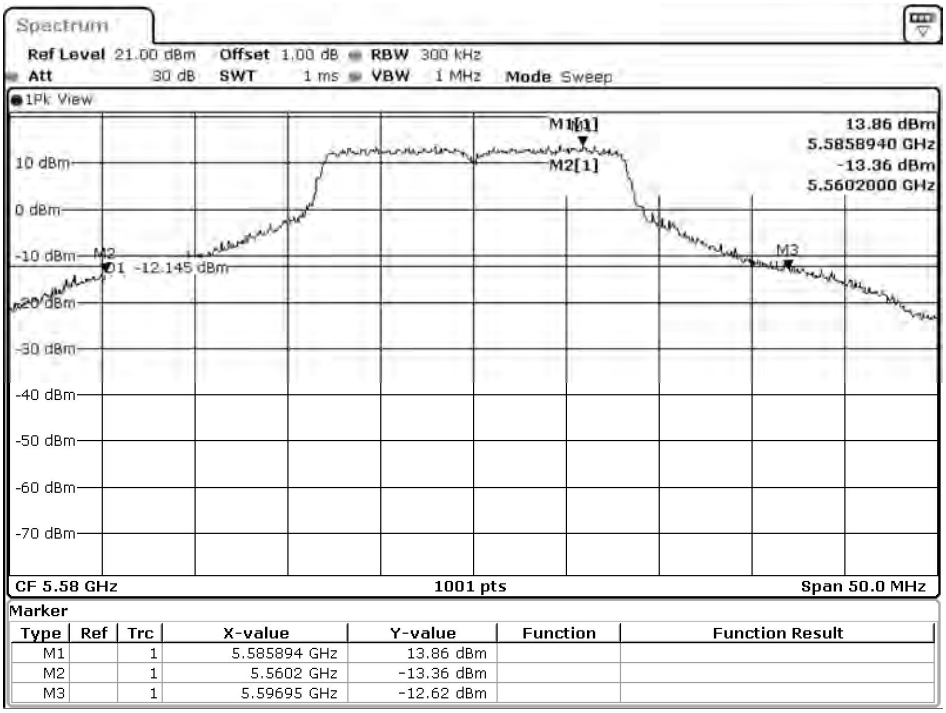
Channel 116



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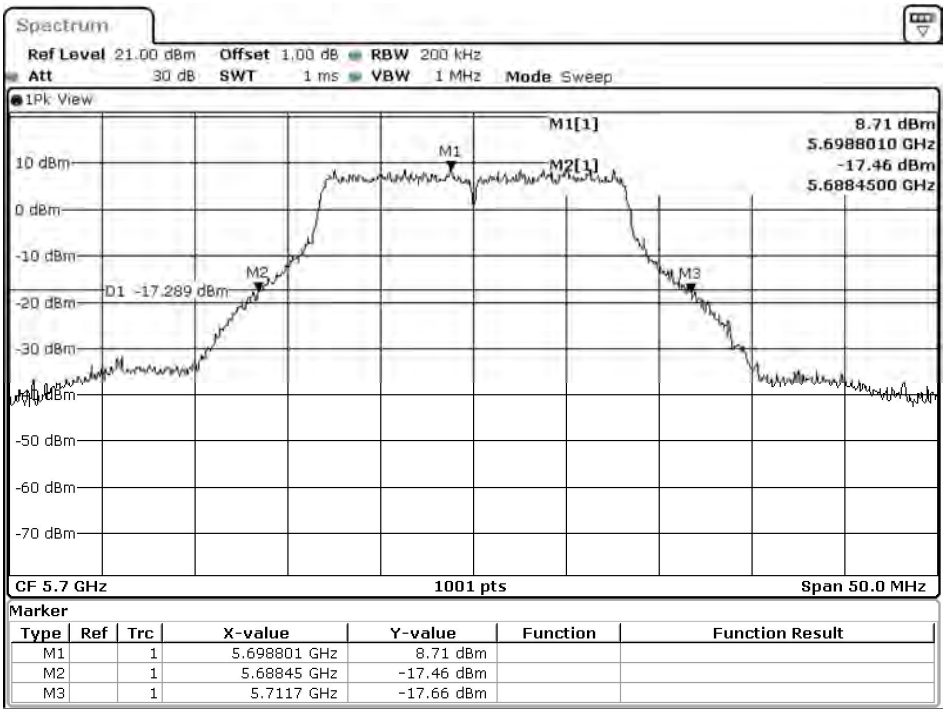
Channel 140



Date: 22.MAR.2021 19:08:51

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
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	17.02	--	--	--	--	--	--	--
44	5220	19.82	19.74	19.69	19.59	19.55	19.5	19.42	19.36
48	5240	21.04	--	--	--	--	--	--	--
52	5260	20.89	--	--	--	--	--	--	--
60	5300	20.76	20.73	20.69	20.6	20.56	20.53	20.46	20.38
64	5320	16.94	--	--	--	--	--	--	--
100	5500	16.37	--	--	--	--	--	--	--
116	5580	20.97	20.9	20.87	20.77	20.67	20.63	20.59	20.56
140	5700	18.33	--	--	--	--	--	--	--
144(U-NII-2C)	5720	19.83	19.74	19.65	19.55	19.45	19.39	19.31	19.27
144(U-NII-3)	5720	14.41	14.36	14.27	14.23	14.15	14.07	13.98	13.95
149	5745	21.68	--	--	--	--	--	--	--
157	5785	21.17	21.07	21.04	20.96	20.92	20.88	20.8	20.73
165	5825	21.31	--	--	--	--	--	--	--

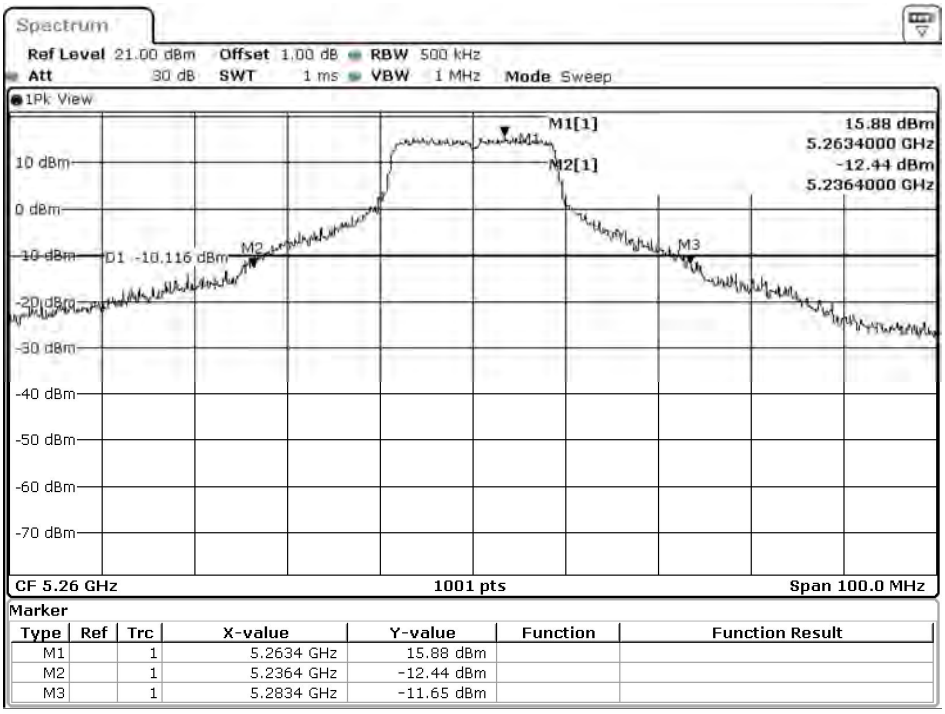
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	--	17.02	24	--	Pass
44	5220	--	19.82	24	--	Pass
48	5240	--	21.04	24	--	Pass
52	5260	47.00	20.89	24	27.72	Pass
60	5300	39.70	20.76	24	26.99	Pass
64	5320	23.60	16.94	24	24.73	Pass
100	5500	23.25	16.37	24	24.66	Pass
116	5580	35.50	20.97	24	26.50	Pass
140	5700	23.95	18.33	24	24.79	Pass
144(U-NII-2C)	5720	30.40	19.83	24	25.83	Pass
144(U-NII-3)	5720	--	14.41	30	--	Pass
149	5745	--	21.68	30	--	Pass
157	5785	--	21.17	30	--	Pass
165	5825	--	21.31	30	--	Pass

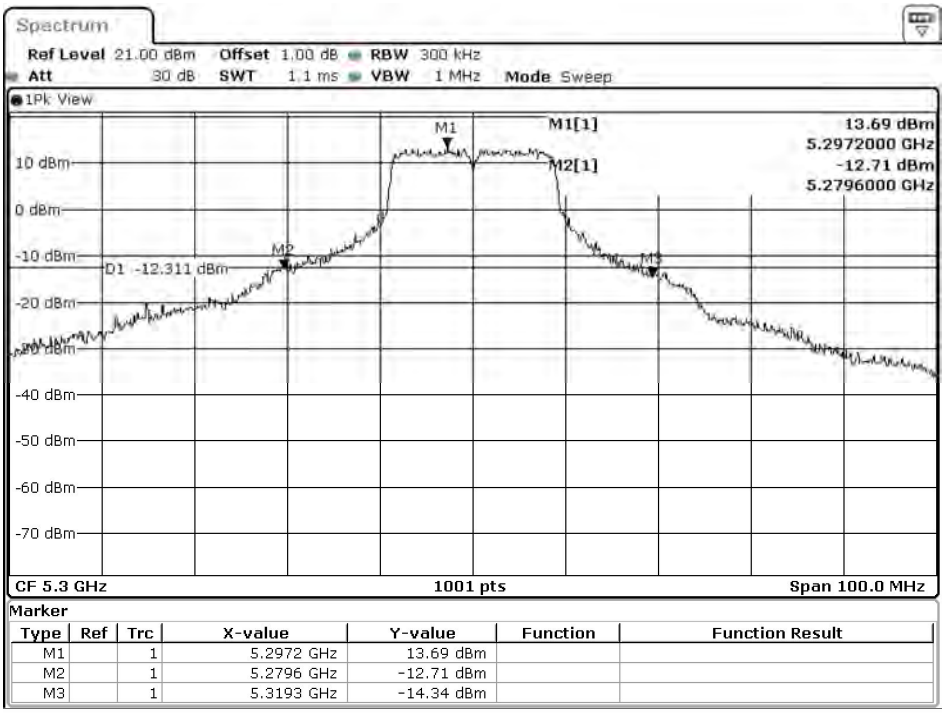
26dB Occupied Bandwidth:

Channel 52



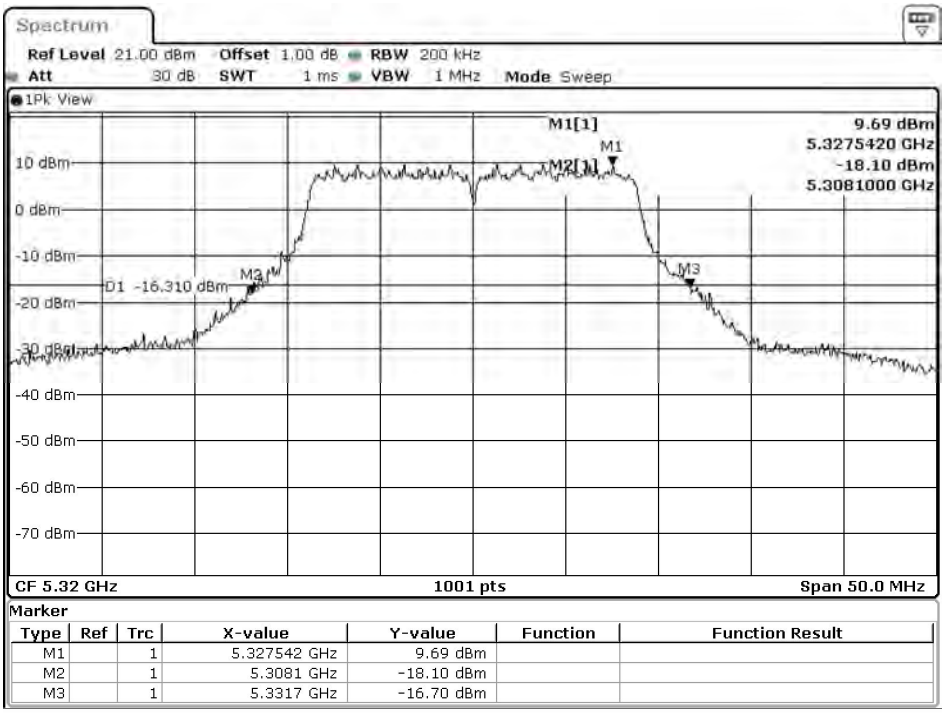
Date: 22.MAR.2021 19:36:36

Channel 60



Date: 22.MAR.2021 19:38:02

Channel 64

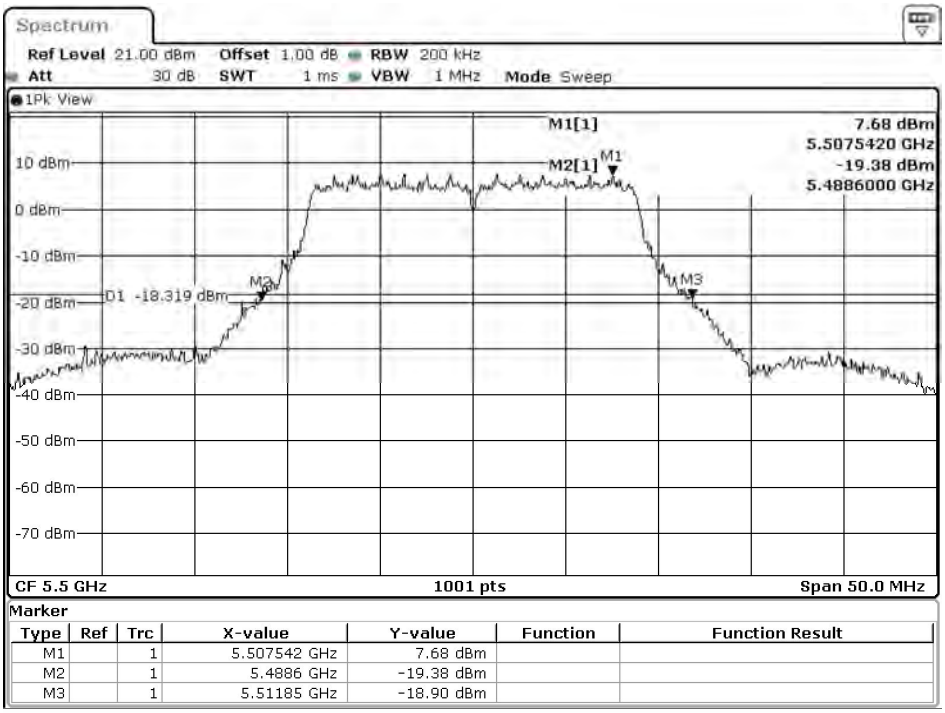


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.327542 GHz	9.69 dBm		
M2		1	5.3081 GHz	-18.10 dBm		
M3		1	5.3317 GHz	-16.70 dBm		

Date: 22.MAR.2021 19:39:37

Channel 100

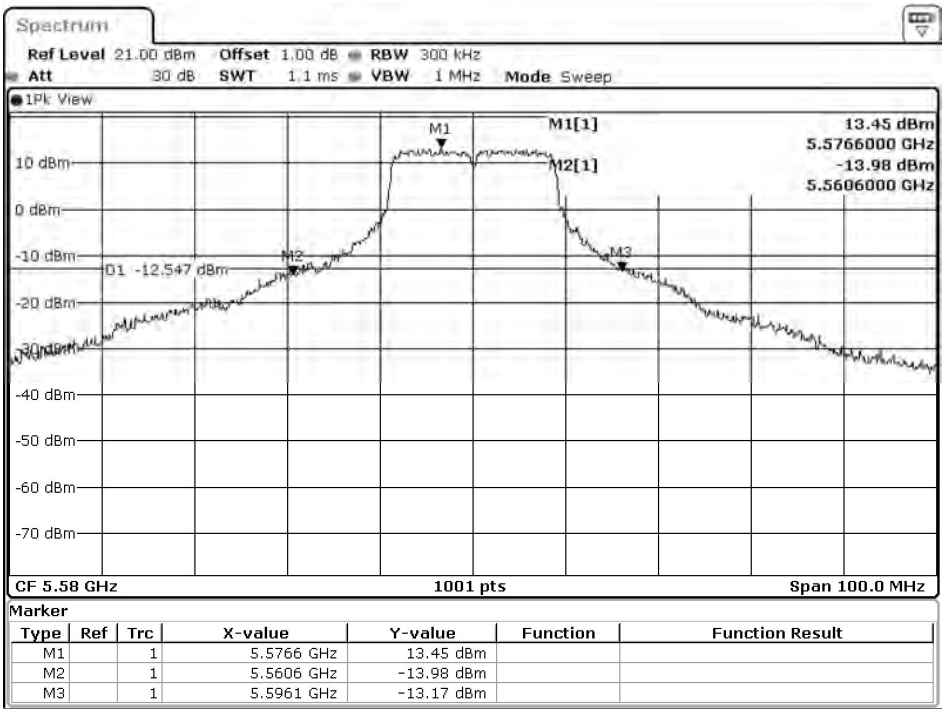


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.507542 GHz	7.68 dBm		
M2		1	5.4886 GHz	-19.38 dBm		
M3		1	5.51185 GHz	-18.90 dBm		

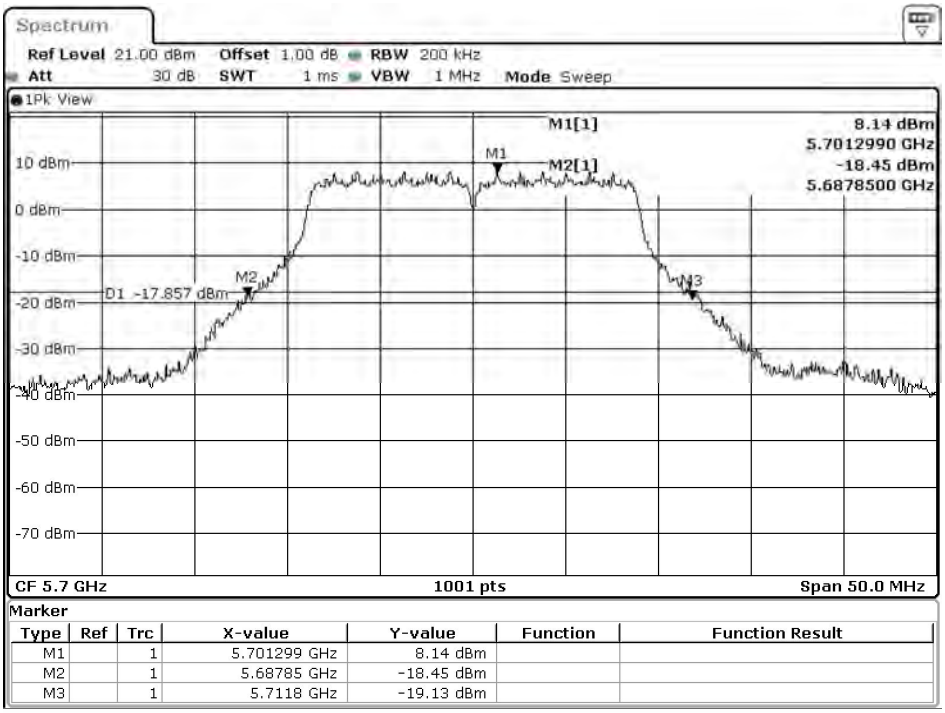
Date: 22.MAR.2021 19:41:03

Channel 116



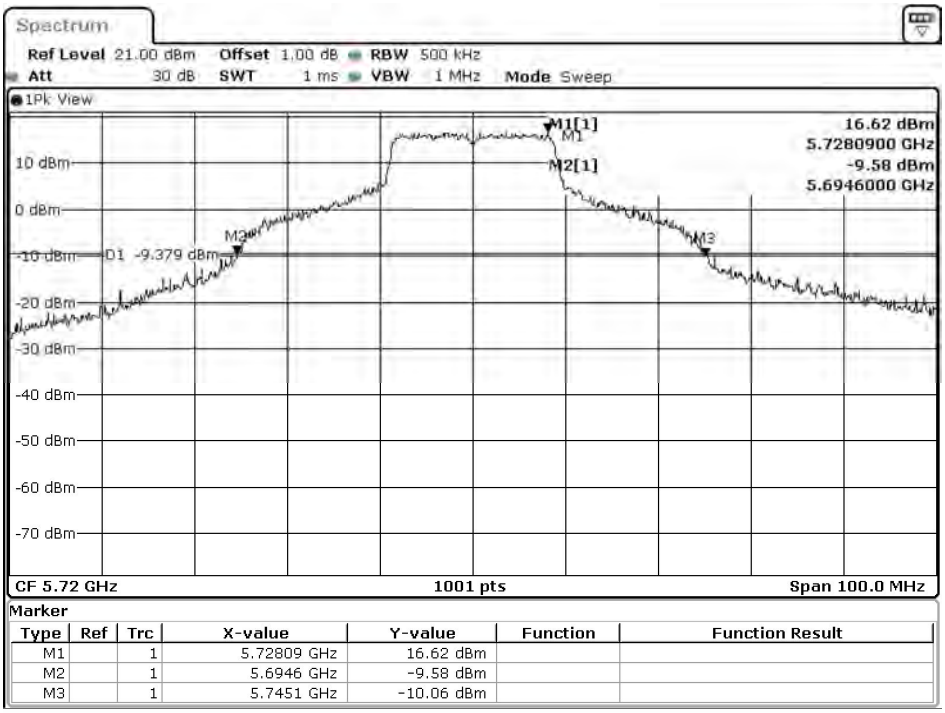
Date: 22.MAR.2021 19:42:47

Channel 140



Date: 22.MAR.2021 19:44:13

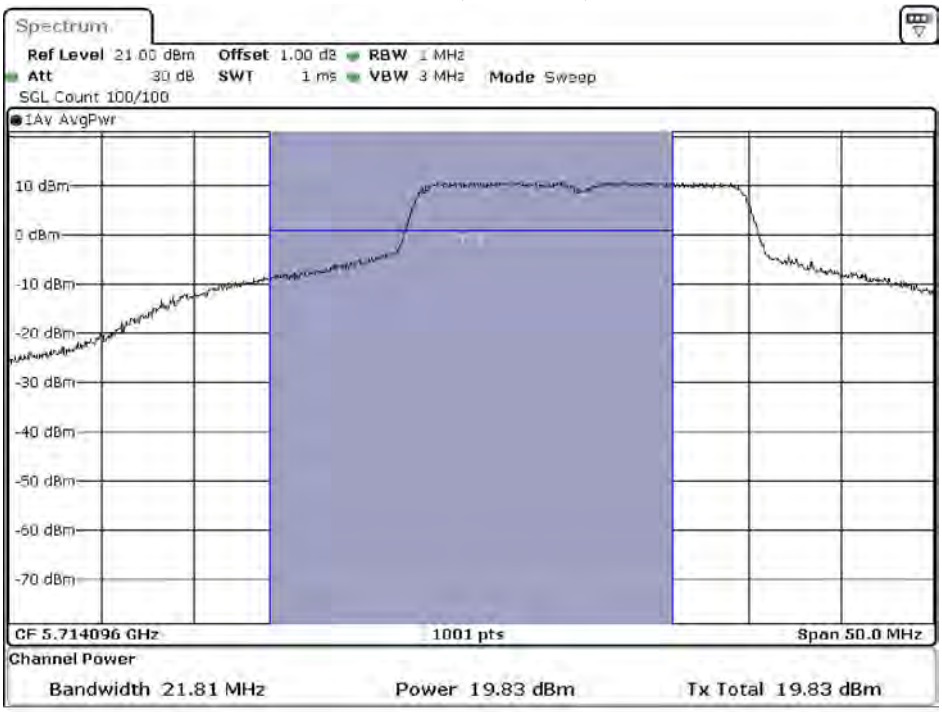
Channel 144



Date: 22.MAR.2021 19:18:58

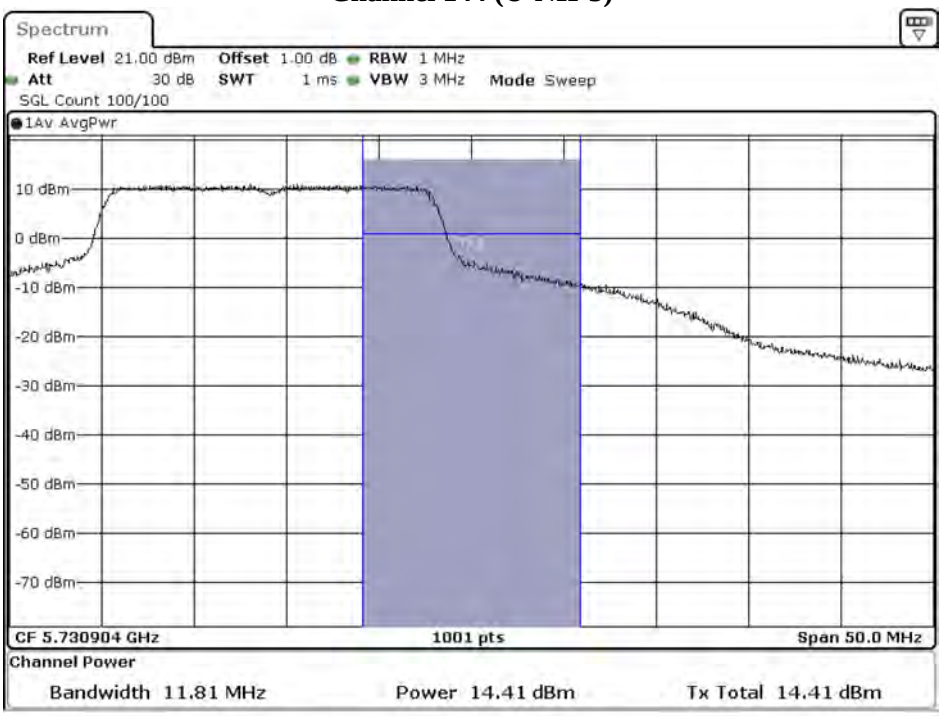
Maximum conducted output power:

Channel 144 (U-NII-2C)



Date: 22.MAR.2021 19:19:21

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



Date: 22.MAR.2021 19:19:44

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
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	17.79	--	--	--	--	--	--	--
46	5230	19.12	19.04	18.94	18.84	18.79	18.71	18.63	18.57
54	5270	18.28	--	--	--	--	--	--	--
62	5310	15.43	15.34	15.3	15.27	15.21	15.12	15.03	14.99
102	5510	17.22	--	--	--	--	--	--	--
110	5550	21.13	21.08	20.98	20.91	20.87	20.77	20.74	20.65
134	5670	18.47	--	--	--	--	--	--	--
142(U-NII-2C)	5710	20.09	20.05	19.98	19.94	19.86	19.83	19.74	19.71
142(U-NII-3)	5710	10.45	10.41	10.38	10.28	10.19	10.14	10.08	10.02
151	5755	19.53	--	--	--	--	--	--	--
159	5795	19.91	19.85	19.79	19.76	19.73	19.68	19.63	19.57

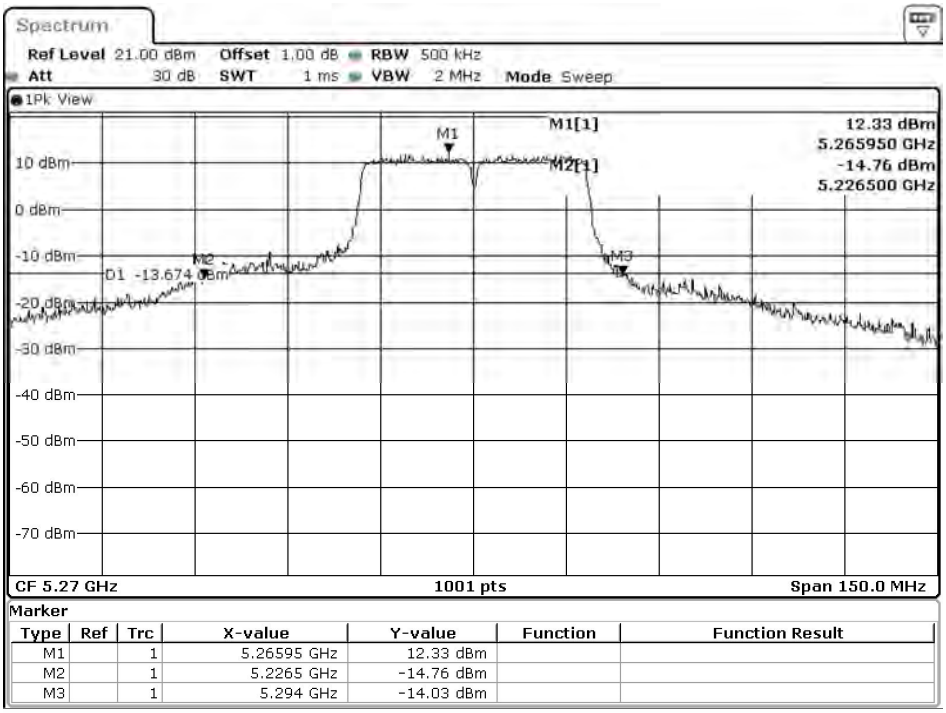
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

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	--	17.79	24	--	Pass
46	5230	--	19.12	24	--	Pass
54	5270	67.50	18.28	24	29.29	Pass
62	5310	43.20	15.43	24	27.35	Pass
102	5510	94.35	17.22	24	30.75	Pass
110	5550	94.35	21.13	24	30.75	Pass
134	5670	50.20	18.47	24	28.01	Pass
142(U-NII-2C)	5710	65.85	20.09	24	29.19	Pass
142(U-NII-3)	5710	--	10.45	30	--	Pass
151	5755	--	19.53	30	--	Pass
159	5795	--	19.91	30	--	Pass

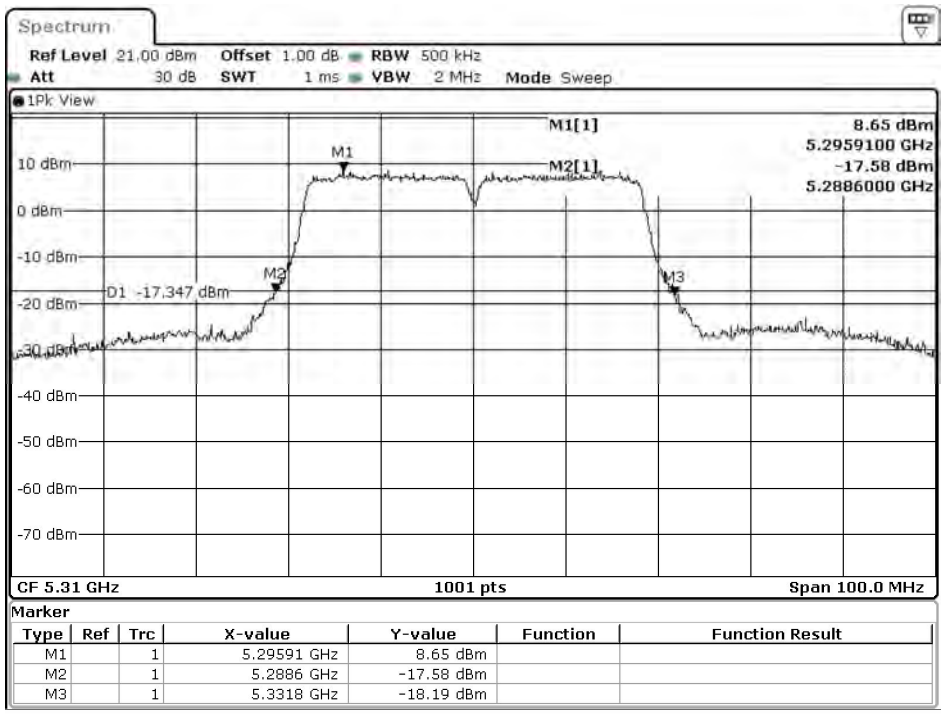
26dB Occupied Bandwidth:

Channel 54



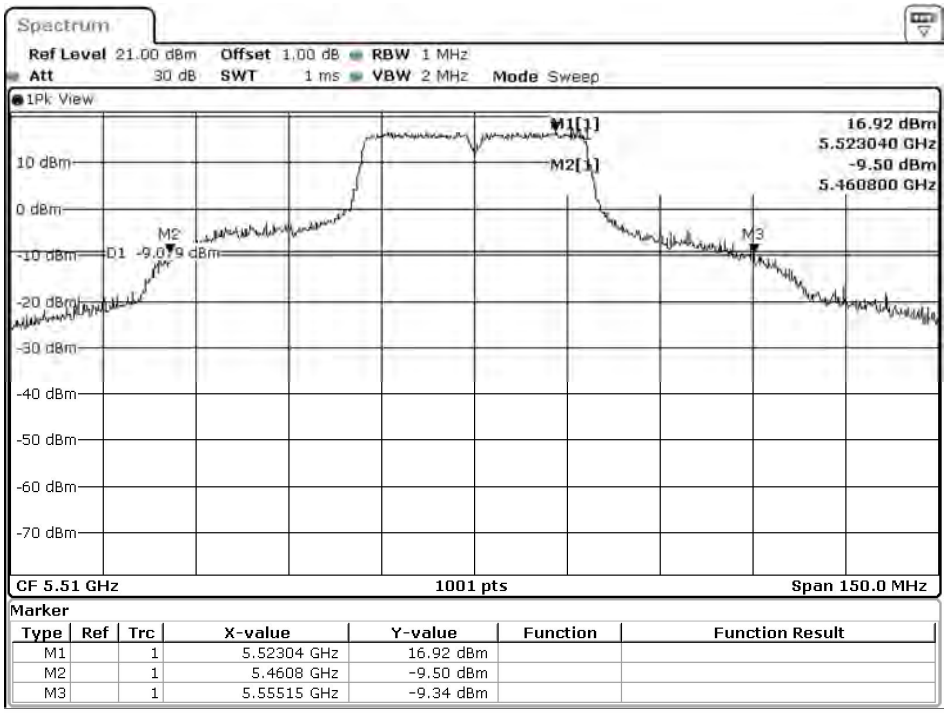
Date: 22.MAR.2021 19:45:43

Channel 62



Date: 22.MAR.2021 19:47:06

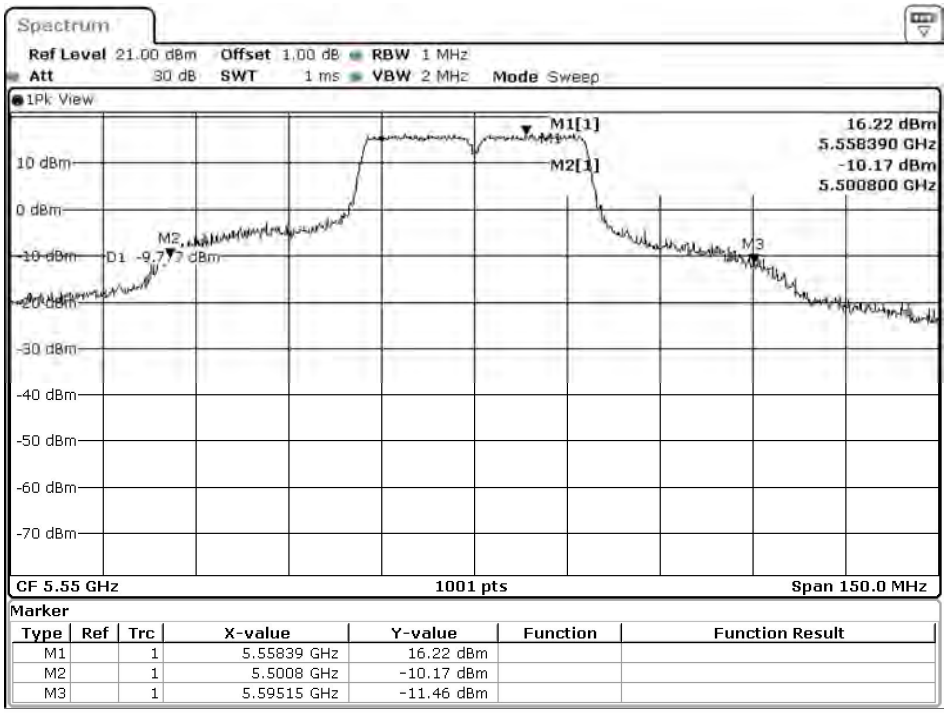
Channel 102



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.52304 GHz	16.92 dBm		
M2		1	5.4608 GHz	-9.50 dBm		
M3		1	5.55515 GHz	-9.34 dBm		

Date: 22.MAR.2021 19:48:40

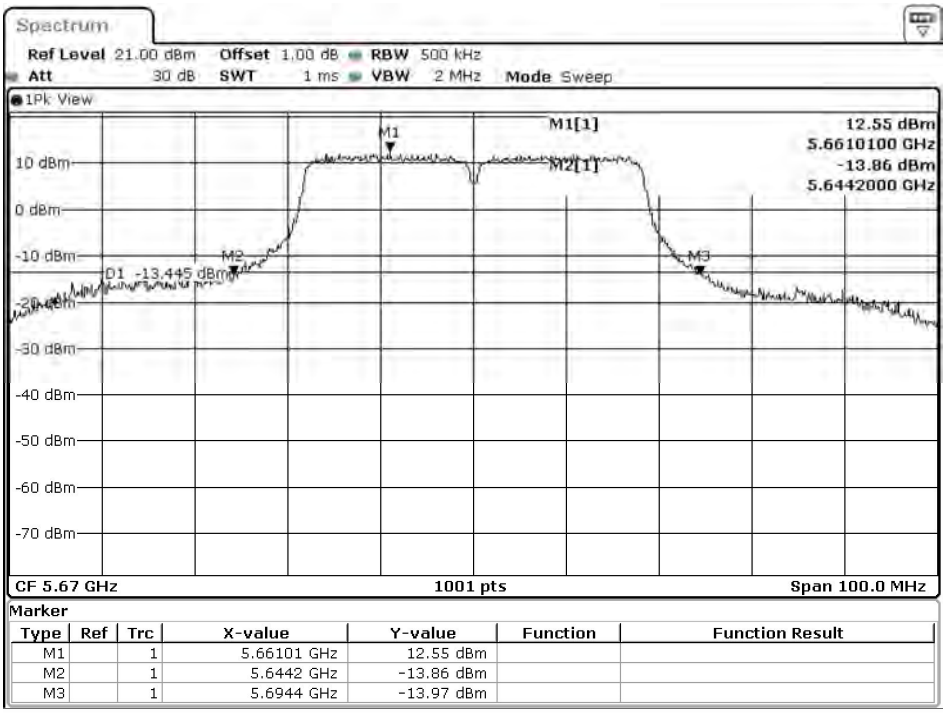
Channel 110



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.55839 GHz	16.22 dBm		
M2		1	5.5008 GHz	-10.17 dBm		
M3		1	5.59515 GHz	-11.46 dBm		

Date: 22.MAR.2021 20:14:47

Channel 134

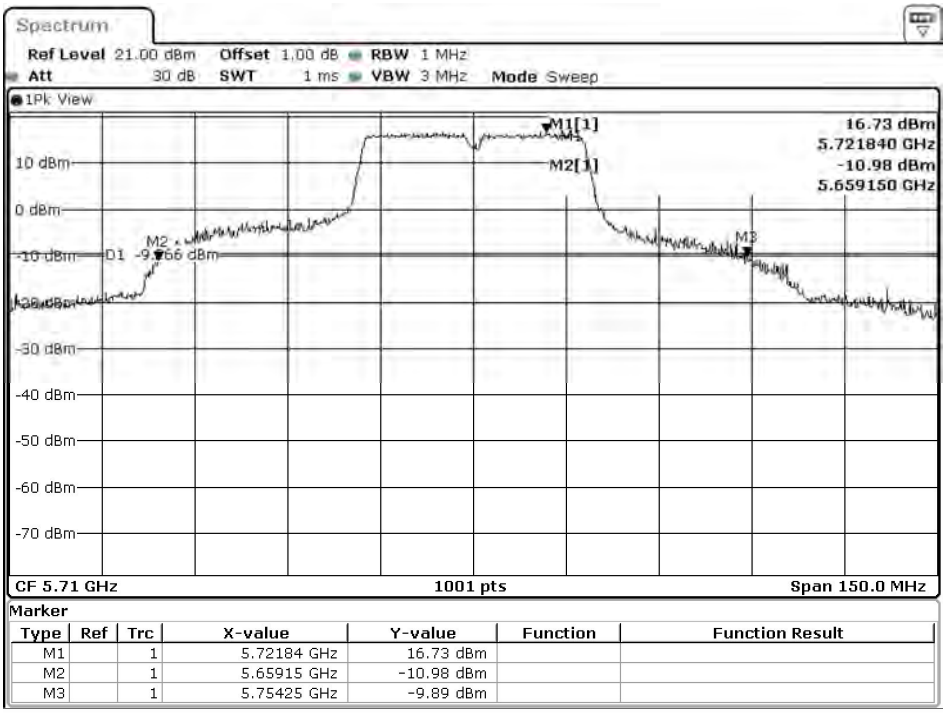


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.66101 GHz	12.55 dBm		
M2		1	5.6442 GHz	-13.86 dBm		
M3		1	5.6944 GHz	-13.97 dBm		

Date: 22.MAR.2021 20:21:28

Channel 142



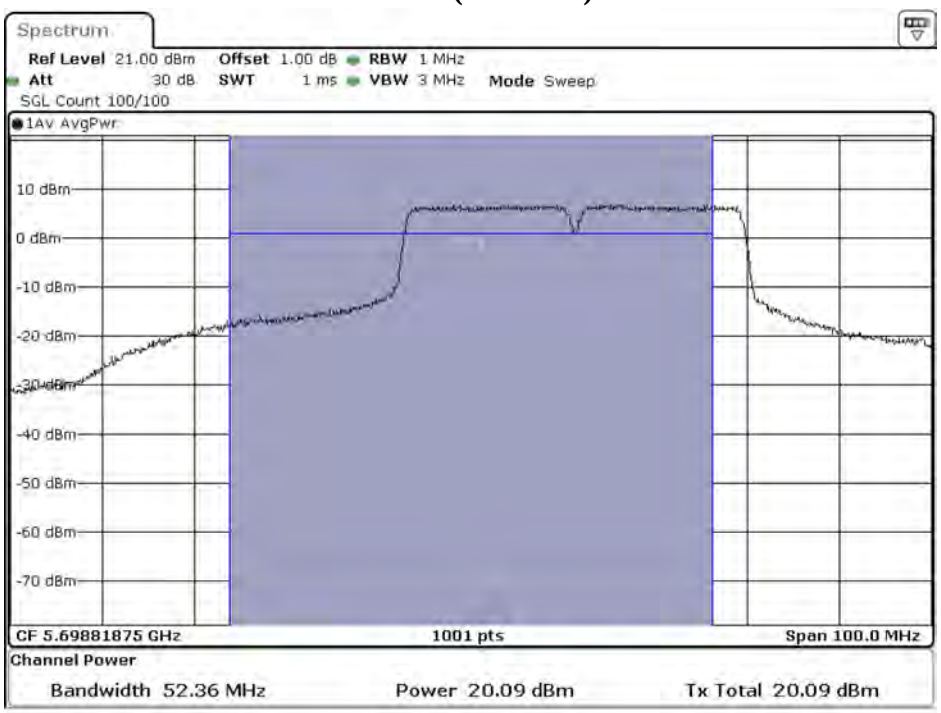
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.72184 GHz	16.73 dBm		
M2		1	5.65915 GHz	-10.98 dBm		
M3		1	5.75425 GHz	-9.89 dBm		

Date: 22.MAR.2021 19:26:17

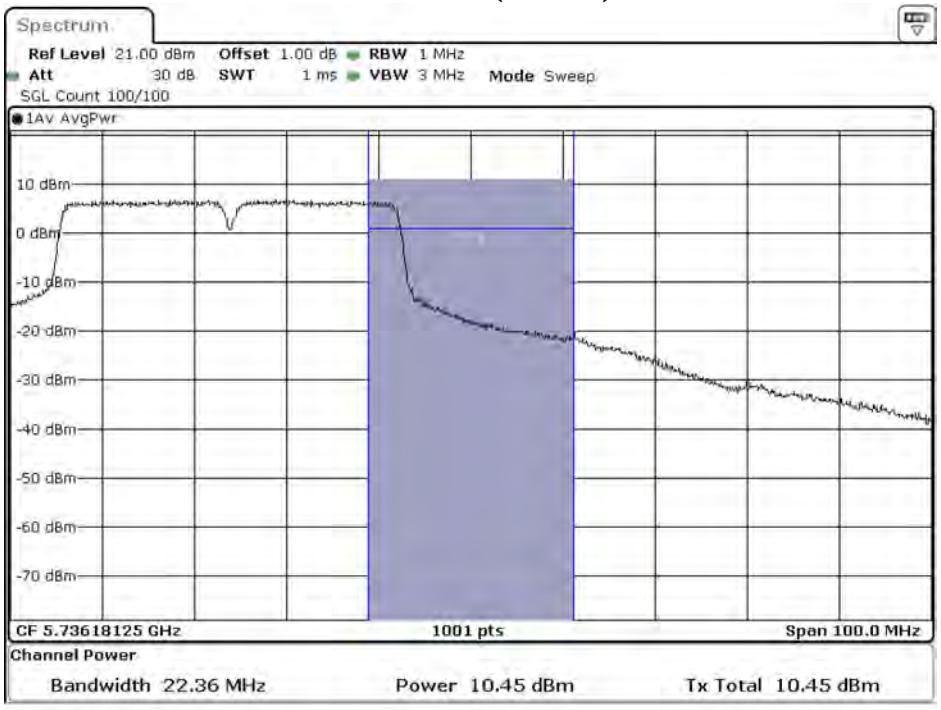
Maximum conducted output power:

Channel 142 (U-NII-2C)



Date: 22.MAR.2021 19:26:39

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



Date: 22.MAR.2021 19:27:02

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
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	17.69	17.65	17.58	17.48	17.43	17.38	17.3	17.27	17.19	17.13
58	5290	16.19	16.16	16.1	16.02	15.95	15.92	15.88	15.78	15.7	15.64
106	5530	18.18	--	--	--	--	--	--	--	--	--
122	5610	20.13	20.04	19.97	19.92	19.83	19.73	19.63	19.53	19.47	19.41
138 (U-NII-2C)	5690	20.92	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	4.62	--	--	--	--	--	--	--	--	--
155	5775	19.09	19.05	18.98	18.89	18.85	18.8	18.74	18.69	18.6	18.54

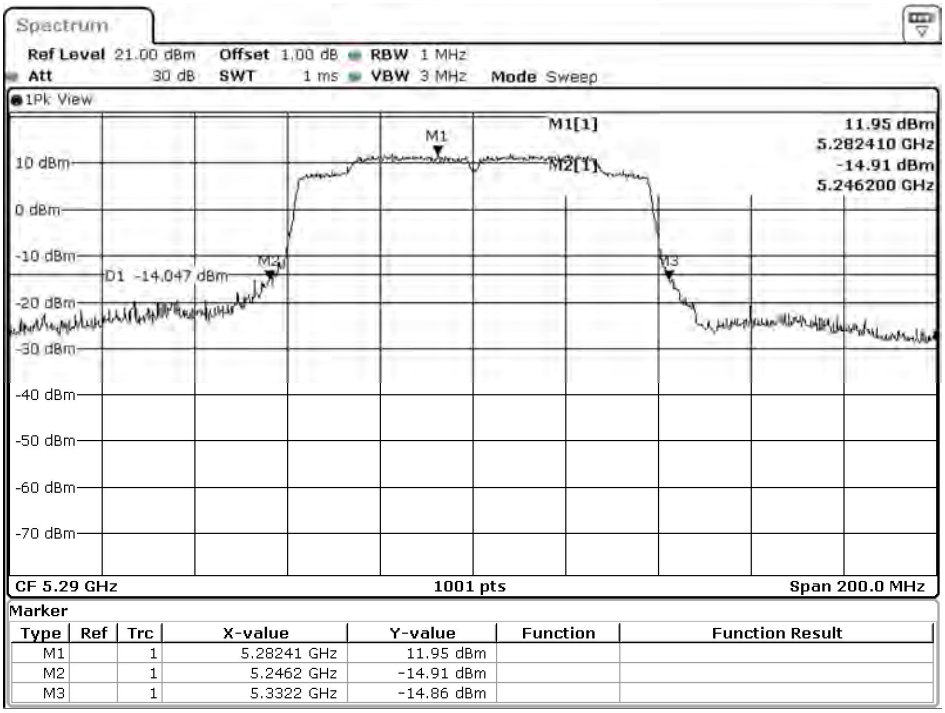
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

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	--	17.69	24	--	Pass
58	5290	86.00	16.19	24	--	Pass
106	5530	85.40	18.18	24	30.31	Pass
122	5610	184.80	20.13	24	33.67	Pass
138 (U-NII-2C)	5690	142.40	20.92	24	32.54	Pass
138 (U-NII-3)	5690	--	4.62	30	--	Pass
155	5775	--	19.09	30	--	Pass

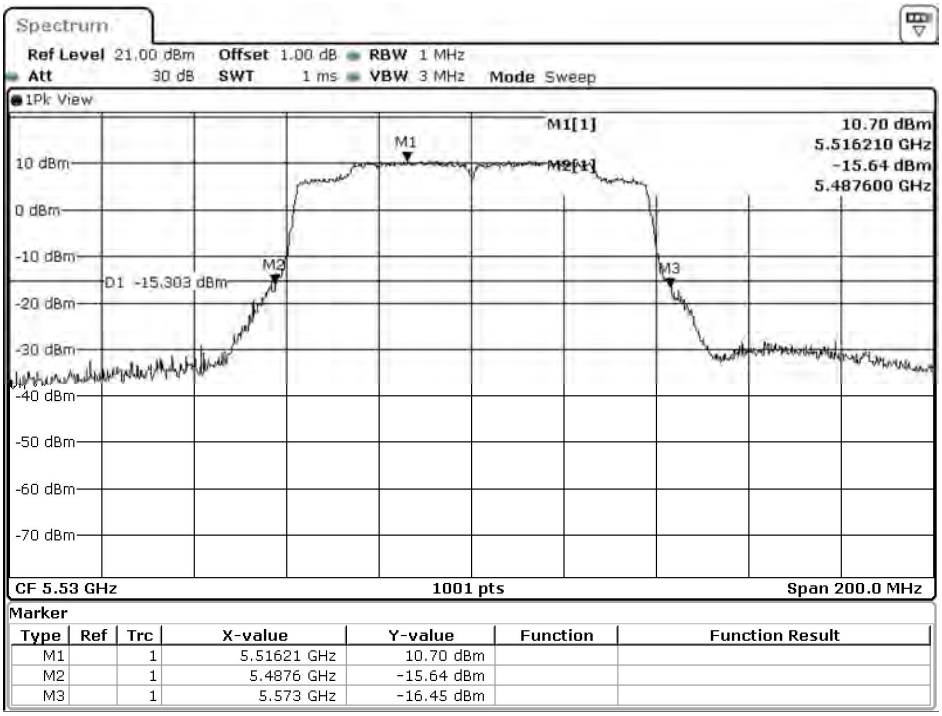
26dB Occupied Bandwidth:

Channel 58



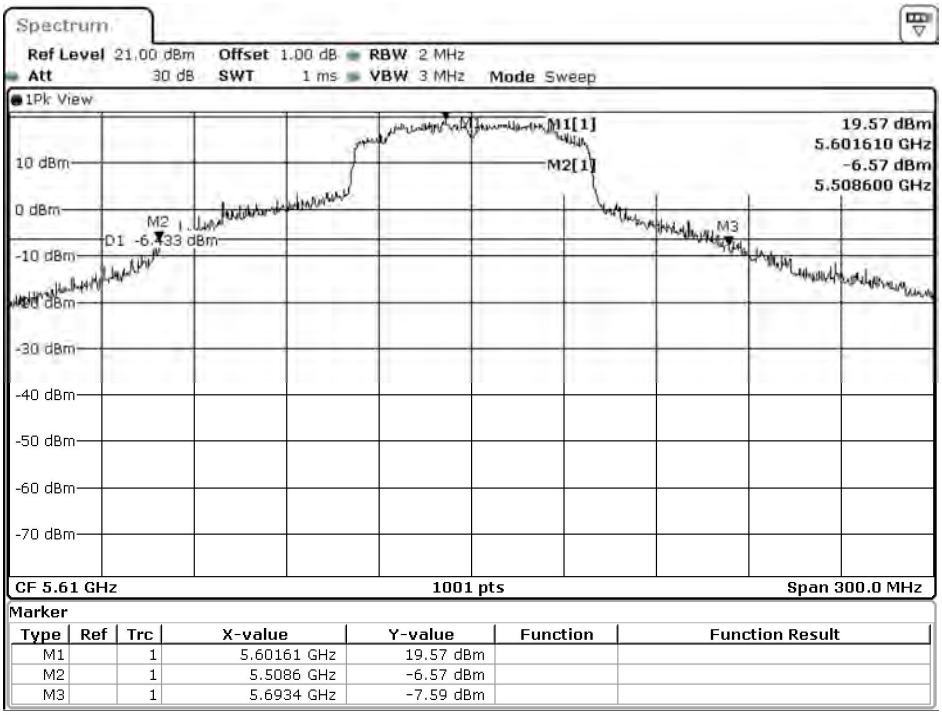
Date: 22.MAR.2021 19:28:12

Channel 106



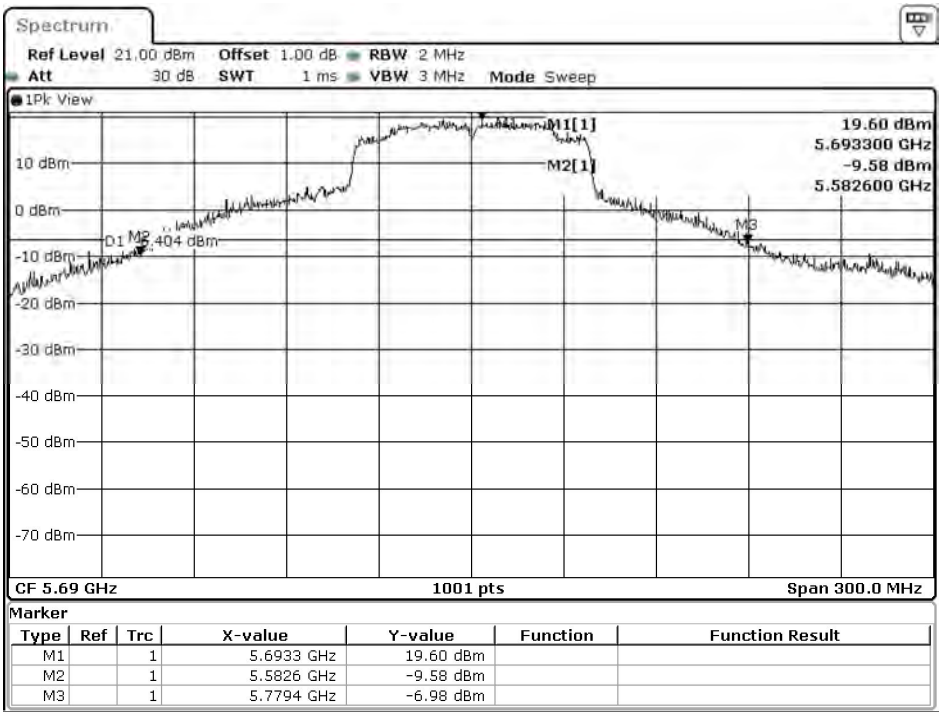
Date: 22.MAR.2021 19:29:47

Channel 122



Date: 22.MAR.2021 19:32:29

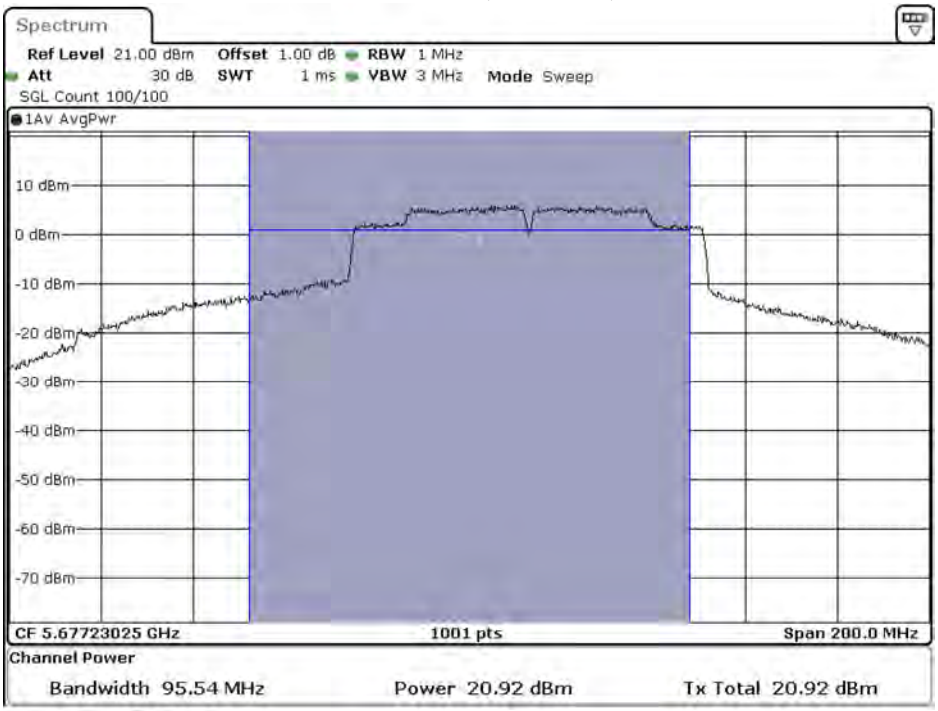
Channel 138



Date: 22.MAR.2021 19:35:01

Maximum conducted output power:

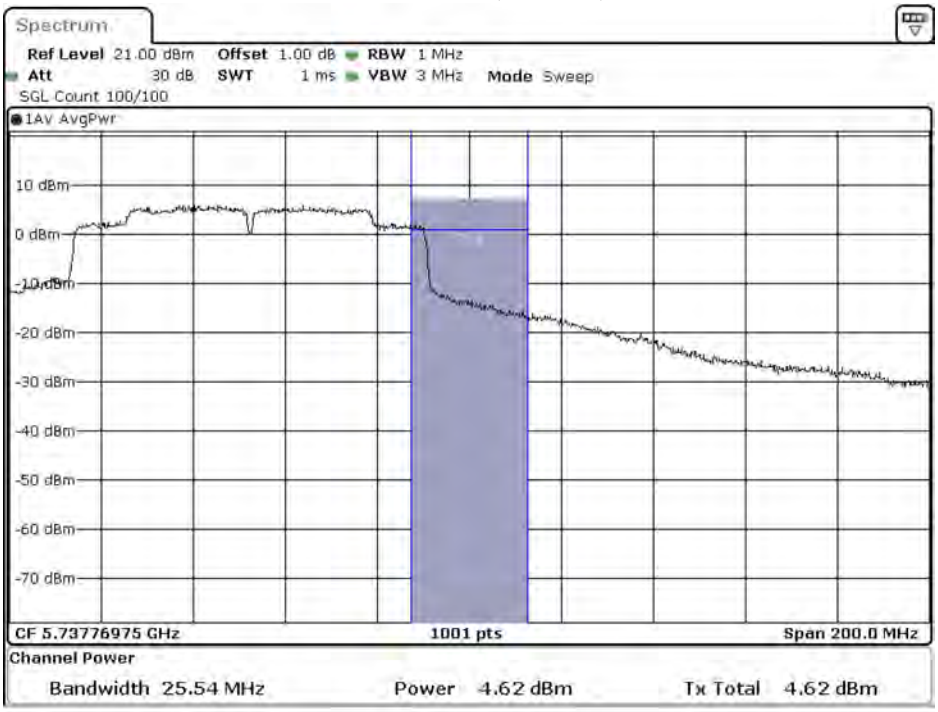
Channel 138 (U-NII-2C)



Date: 23.MAR.2021 00:35:12

Maximum conducted output power:

Channel 138 (U-NII-3)



Date: 23.MAR.2021 00:35:34

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
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	9.59	9.51	9.44	9.37	9.28	9.24	9.16	9.12	9.02	8.97
50 (U-NII-2A)	5250	9.86	9.8	9.72	9.67	9.61	9.55	9.45	9.38	9.32	9.22
114	5570	15.08	--	--	--	--	--	--	--	--	--

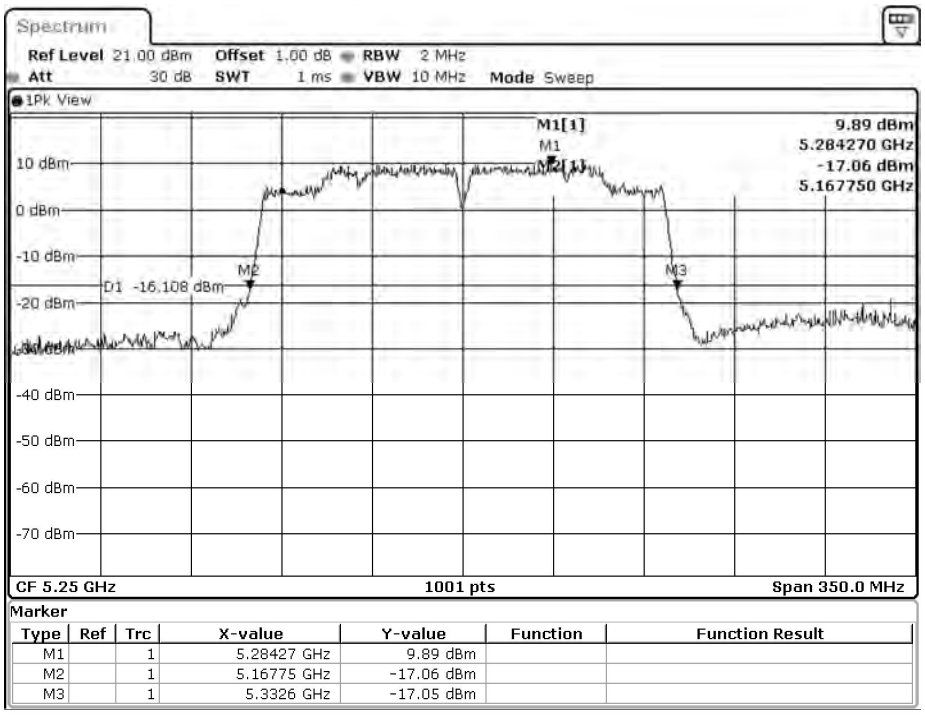
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50 (U-NII-1)	5250	--	9.59	24	--	Pass
50 (U-NII-2A)	5250	82.60	9.86	24	30.17	Pass
114	5570	164.85	15.08	24	33.17	Pass

26dB Occupied Bandwidth:

Channel 50

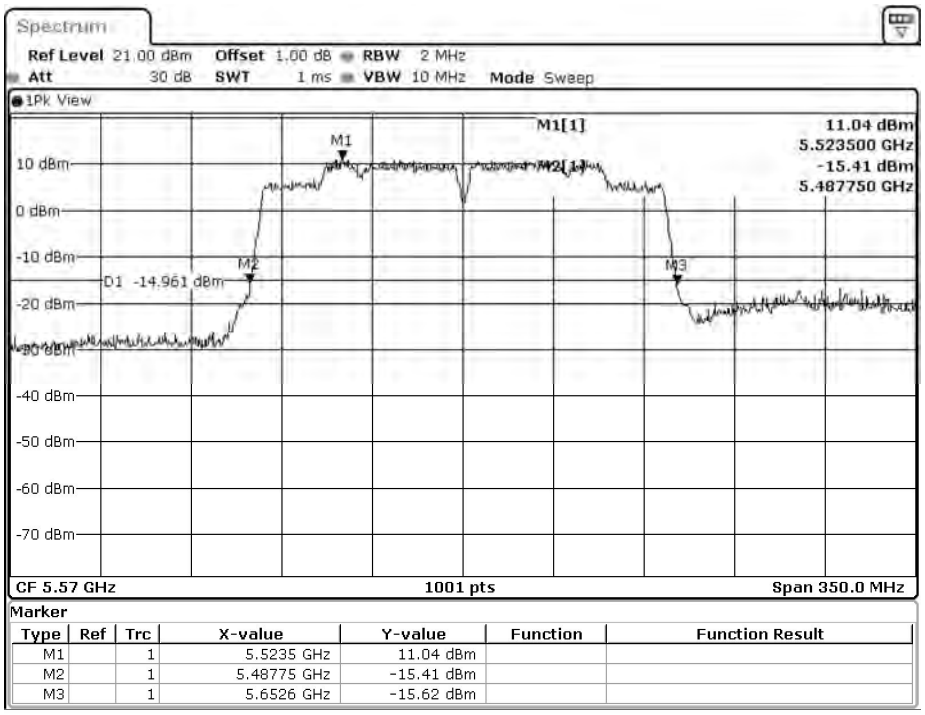


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.28427 GHz	9.89 dBm		
M2		1	5.16775 GHz	-17.06 dBm		
M3		1	5.3326 GHz	-17.05 dBm		

Date: 22.MAR.2021 19:10:50

Channel 114



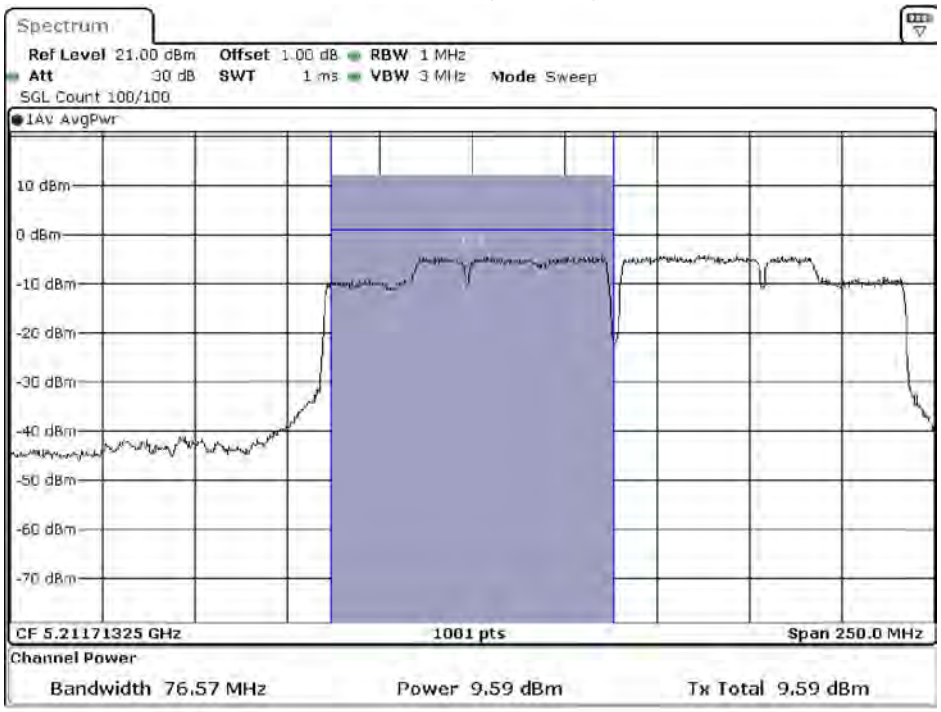
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.5235 GHz	11.04 dBm		
M2		1	5.48775 GHz	-15.41 dBm		
M3		1	5.6526 GHz	-15.62 dBm		

Date: 22.MAR.2021 19:13:00

Maximum conducted output power:

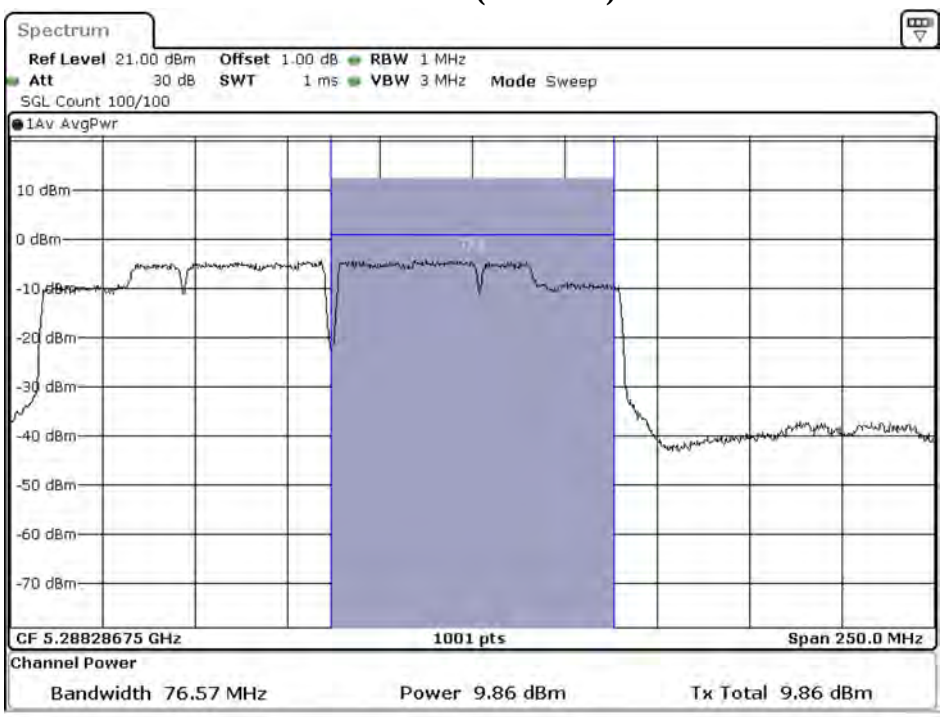
Channel 50 (U-NII-1)



Date: 22.MAR.2021 19:11:12

Maximum conducted output power:

Channel 50 (U-NII-2A)



Date: 22.MAR.2021 19:11:35

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
Test Mode : Mode 6 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	17.53	--	--	--	--	--	--	--
44	5220	20.44	20.39	20.35	20.3	20.26	20.17	20.13	20.09
48	5240	21.1	--	--	--	--	--	--	--
52	5260	21.45	--	--	--	--	--	--	--
60	5300	21.23	21.16	21.1	21.02	20.93	20.86	20.82	20.72
64	5320	17.07	--	--	--	--	--	--	--
100	5500	17.59	--	--	--	--	--	--	--
116	5580	21.18	21.14	21.06	20.97	20.93	20.88	20.78	20.71
140	5700	18.63	--	--	--	--	--	--	--
149	5745	21.75	--	--	--	--	--	--	--
157	5785	21.4	21.31	21.26	21.2	21.17	21.08	20.99	20.89
165	5825	21.56	--	--	--	--	--	--	--

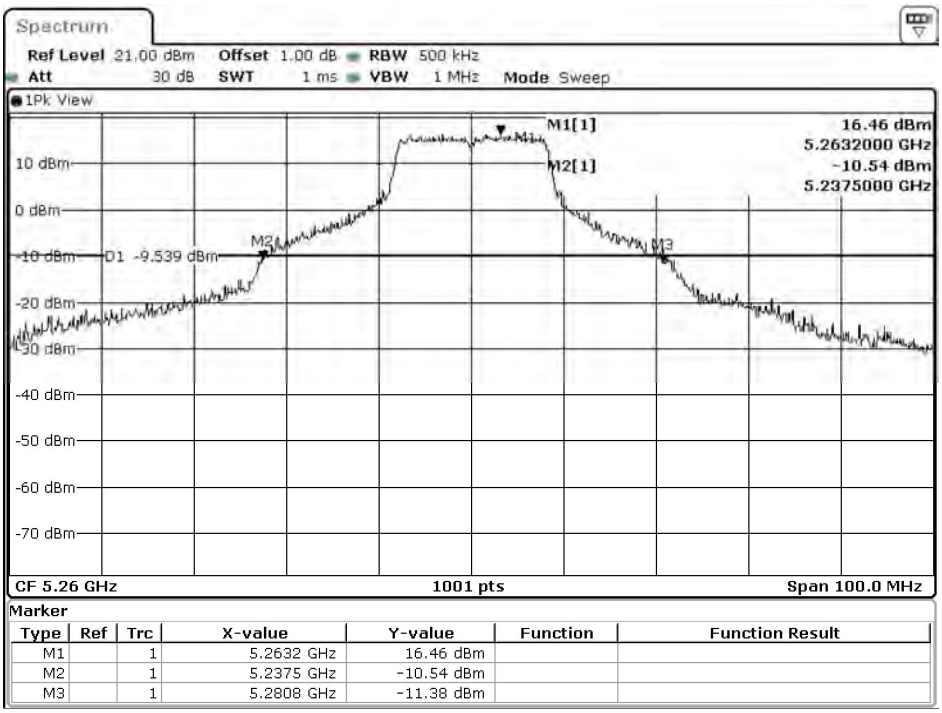
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

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	--	17.53	24	--	Pass
44	5220	--	20.44	24	--	Pass
48	5240	--	21.10	24	--	Pass
52	5260	43.30	21.45	24	27.36	Pass
60	5300	44.60	21.23	24	27.49	Pass
64	5320	23.85	17.07	24	24.77	Pass
100	5500	23.30	17.59	24	24.67	Pass
116	5580	45.70	21.18	24	27.60	Pass
140	5700	23.10	18.63	24	24.64	Pass
149	5745	--	21.75	30	--	Pass
157	5785	--	21.40	30	--	Pass
165	5825	--	21.56	30	--	Pass

26dB Occupied Bandwidth:

Channel 52

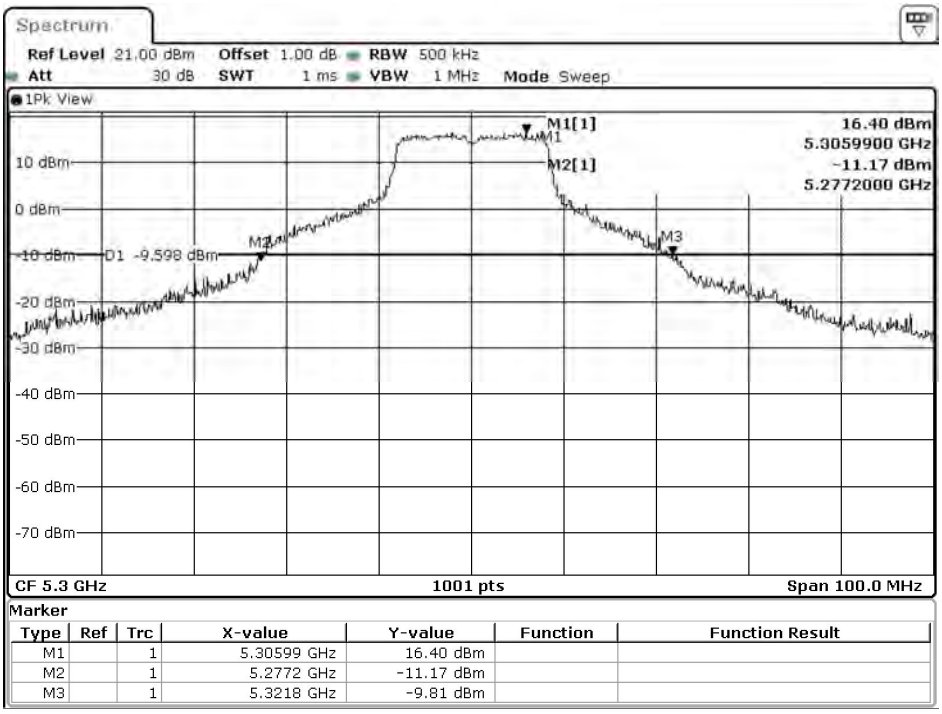


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2632 GHz	16.46 dBm		
M2		1	5.2375 GHz	-10.54 dBm		
M3		1	5.2808 GHz	-11.38 dBm		

Date: 22.MAR.2021 20:35:35

Channel 60

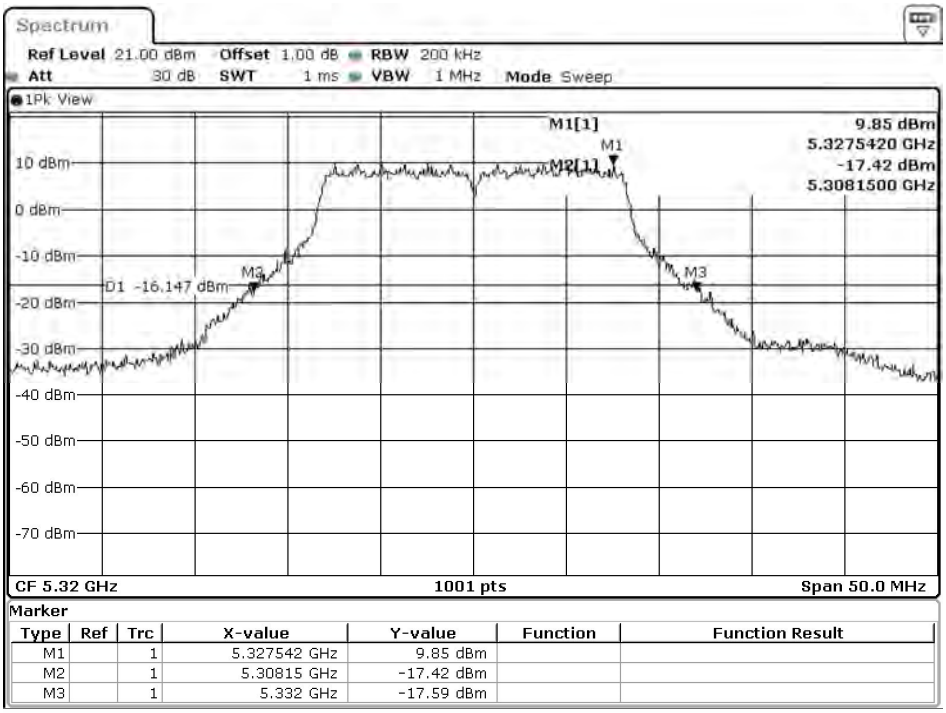


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.30599 GHz	16.40 dBm		
M2		1	5.2772 GHz	-11.17 dBm		
M3		1	5.3218 GHz	-9.81 dBm		

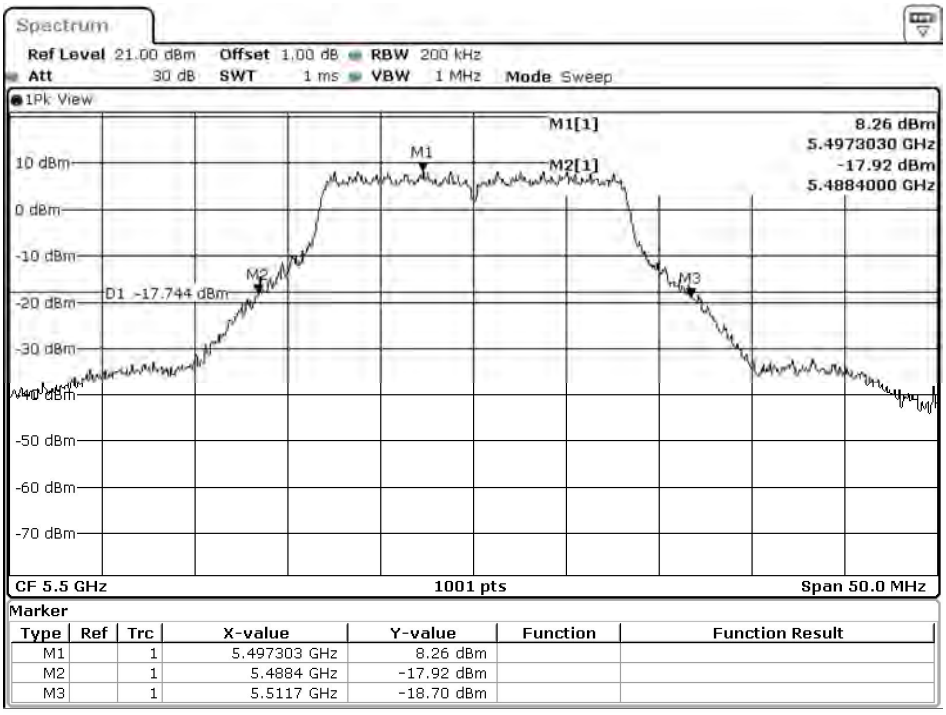
Date: 22.MAR.2021 20:36:48

Channel 64



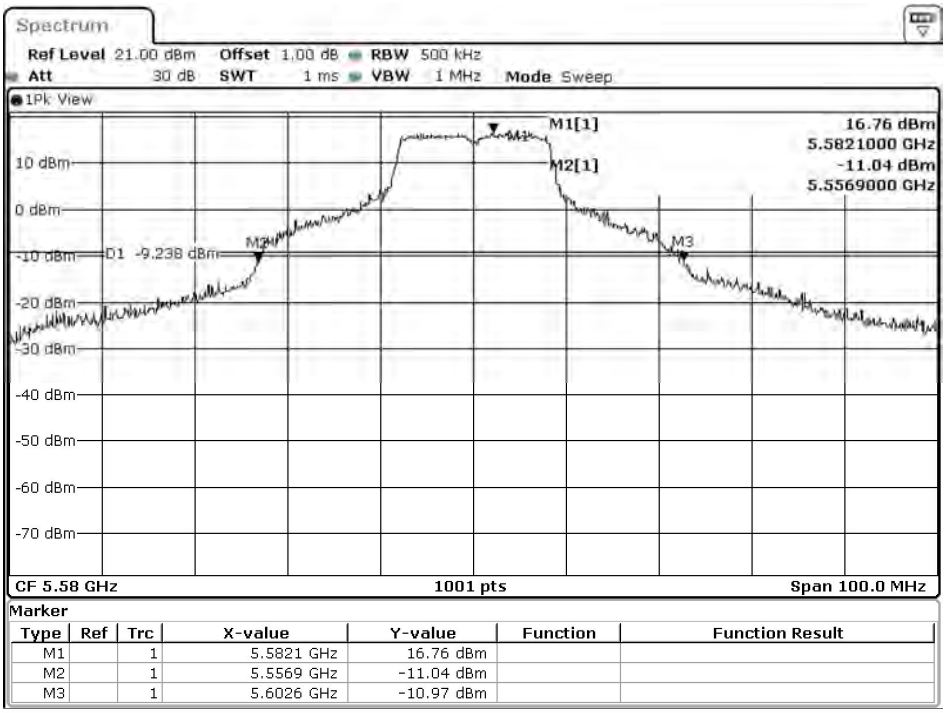
Date: 22.MAR.2021 20:38:01

Channel 100



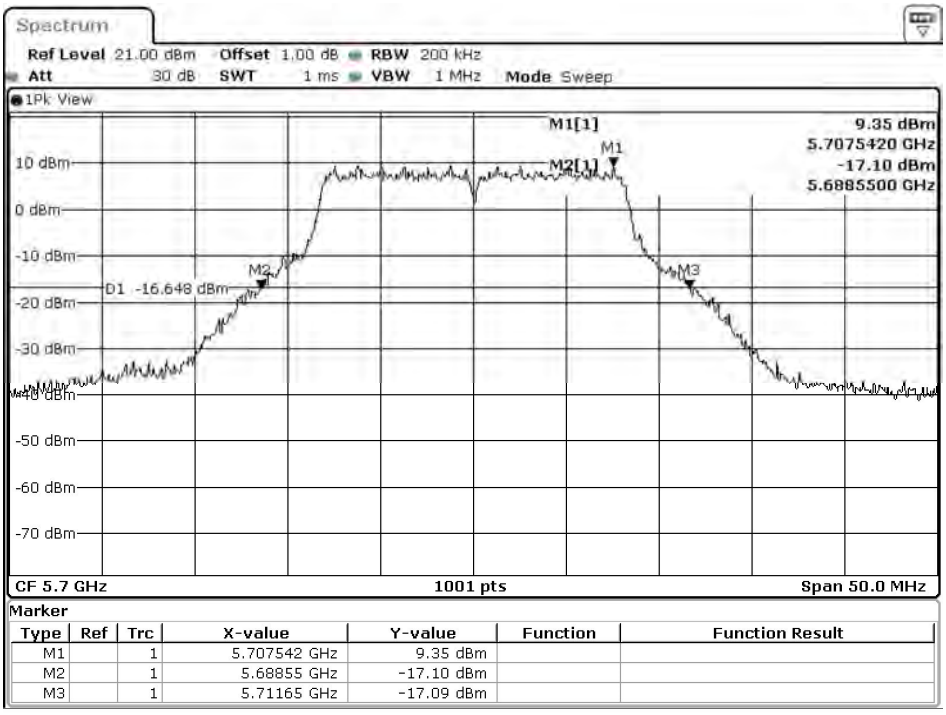
Date: 22.MAR.2021 20:39:09

Channel 116



Date: 22.MAR.2021 20:40:40

Channel 140



Date: 22.MAR.2021 20:41:52

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
Test Mode : Mode 7 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	17.23	--	--	--	--	--	--	--
44	5220	20.35	20.32	20.29	20.2	20.15	20.12	20.08	20.05
48	5240	20.87	--	--	--	--	--	--	--
52	5260	21.35	--	--	--	--	--	--	--
60	5300	21.06	20.99	20.95	20.89	20.85	20.81	20.71	20.68
64	5320	17.09	--	--	--	--	--	--	--
100	5500	18.49	--	--	--	--	--	--	--
116	5580	21.19	21.11	21.07	21.02	20.94	20.89	20.84	20.78
140	5700	18.56	--	--	--	--	--	--	--
144(U-NII-2C)	5720	20.23	20.15	20.08	20.01	19.96	19.86	19.76	19.71
144(U-NII-3)	5720	14.63	14.55	14.46	14.42	14.38	14.33	14.23	14.13
149	5745	20.97	--	--	--	--	--	--	--
157	5785	21.35	21.25	21.16	21.08	21.04	21	20.9	20.82
165	5825	21.56	--	--	--	--	--	--	--

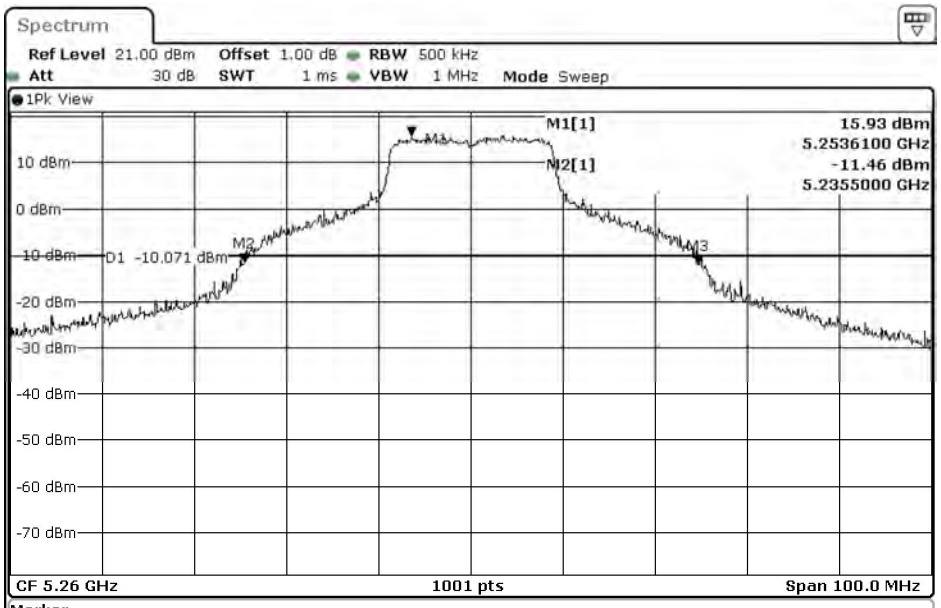
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

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	--	17.23	24	--	Pass
44	5220	--	20.35	24	--	Pass
48	5240	--	20.87	24	--	Pass
52	5260	49.10	21.35	24	27.91	Pass
60	5300	49.70	21.06	24	27.96	Pass
64	5320	30.20	17.09	24	25.80	Pass
100	5500	23.60	18.49	24	24.73	Pass
116	5580	48.90	21.19	24	27.89	Pass
140	5700	25.85	18.56	24	25.12	Pass
144(U-NII-2C)	5720	28.90	20.23	24	25.61	Pass
144(U-NII-3)	5720	--	14.63	30	--	Pass
149	5745	--	20.97	30	--	Pass
157	5785	--	21.35	30	--	Pass
165	5825	--	21.56	30	--	Pass

26dB Occupied Bandwidth:

Channel 52

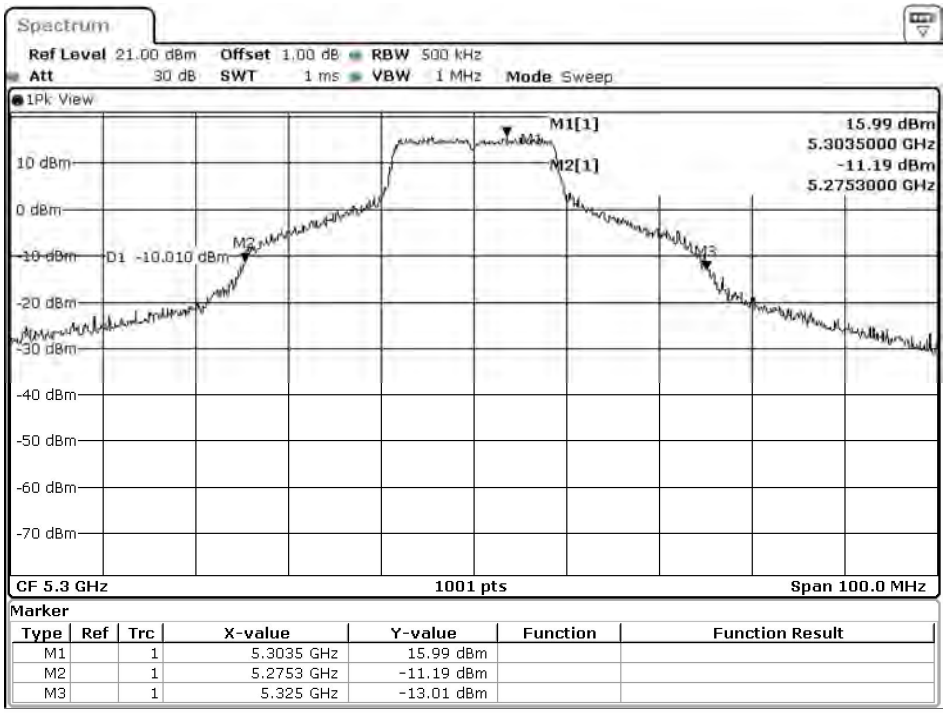


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.25361 GHz	15.93 dBm		
M2		1	5.2355 GHz	-11.46 dBm		
M3		1	5.2846 GHz	-12.01 dBm		

Date: 22.MAR.2021 22:22:52

Channel 60

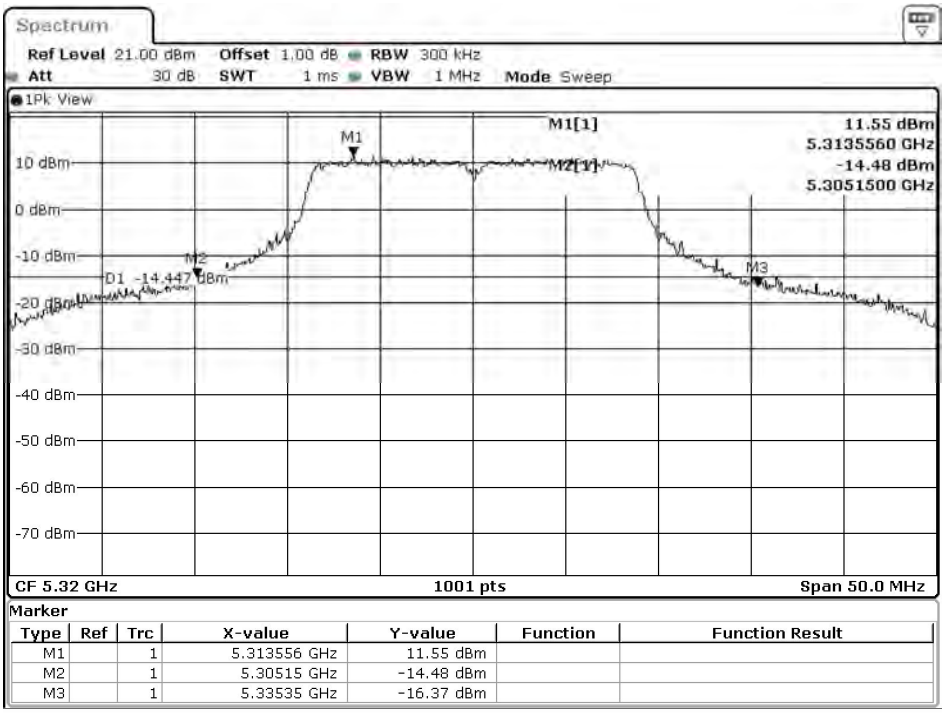


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.3035 GHz	15.99 dBm		
M2		1	5.2753 GHz	-11.19 dBm		
M3		1	5.325 GHz	-13.01 dBm		

Date: 22.MAR.2021 22:24:15

Channel 64

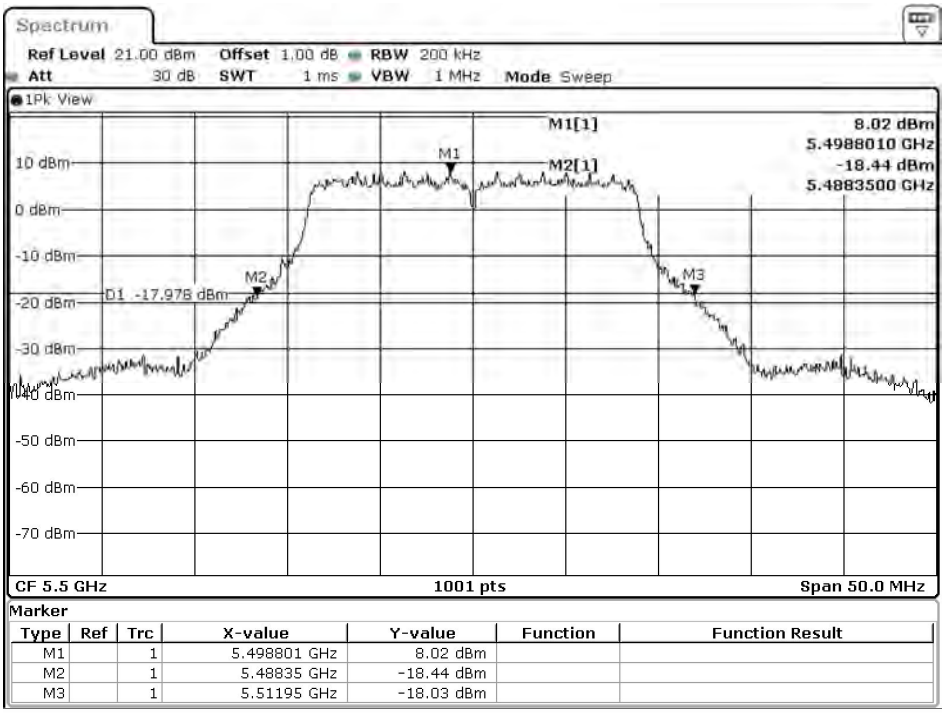


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.313556 GHz	11.55 dBm		
M2		1	5.30515 GHz	-14.48 dBm		
M3		1	5.33535 GHz	-16.37 dBm		

Date: 22.MAR.2021 22:25:20

Channel 100

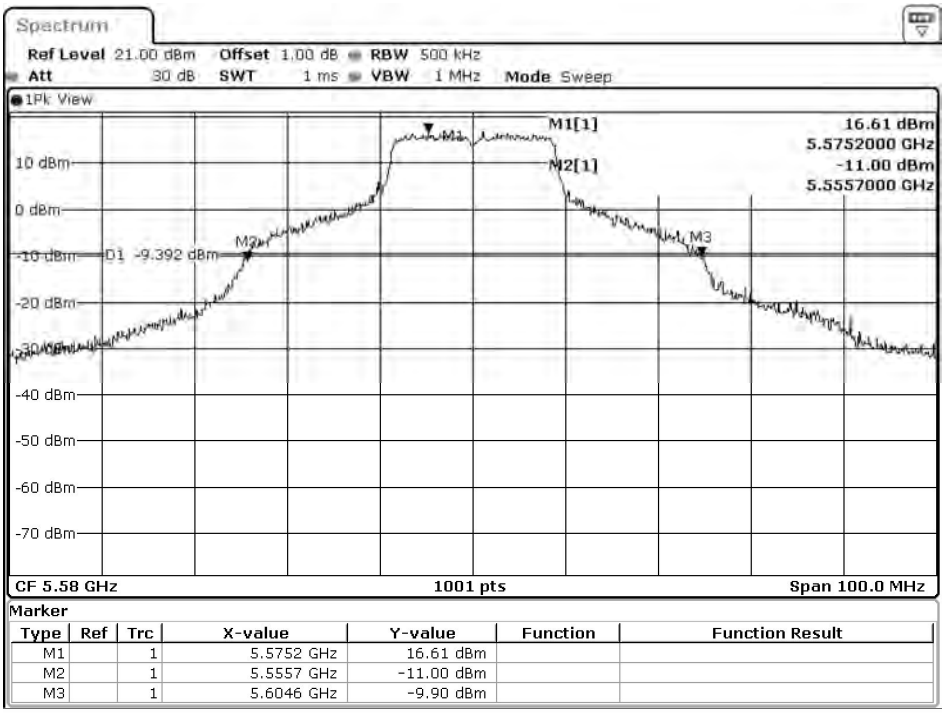


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.498801 GHz	8.02 dBm		
M2		1	5.48835 GHz	-18.44 dBm		
M3		1	5.51195 GHz	-18.03 dBm		

Date: 22.MAR.2021 22:26:50

Channel 116

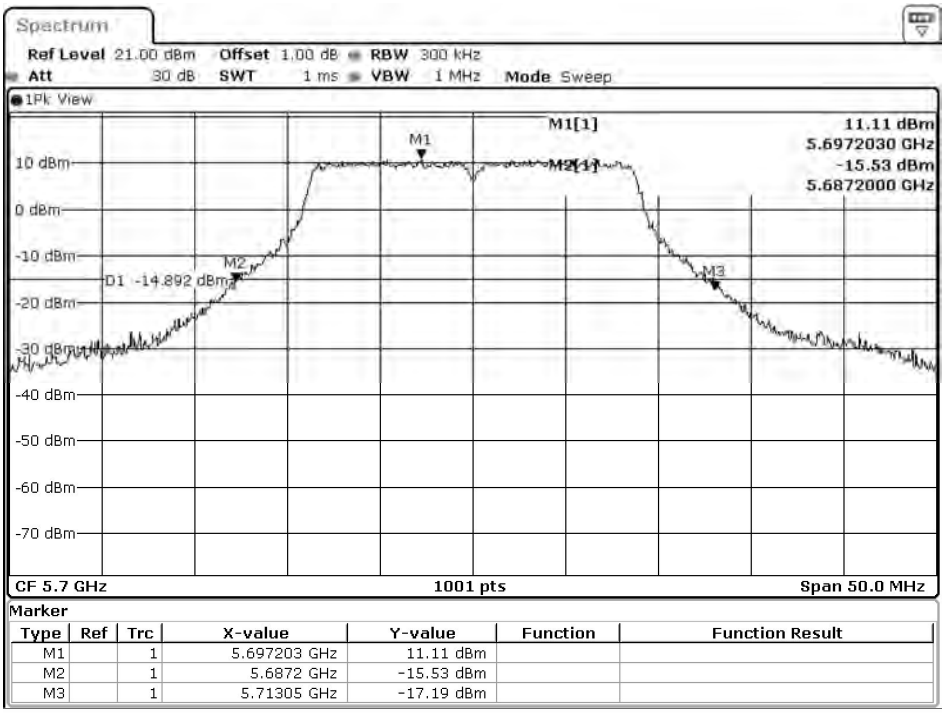


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.5752 GHz	16.61 dBm		
M2		1	5.5557 GHz	-11.00 dBm		
M3		1	5.6046 GHz	-9.90 dBm		

Date: 22.MAR.2021 22:28:30

Channel 140

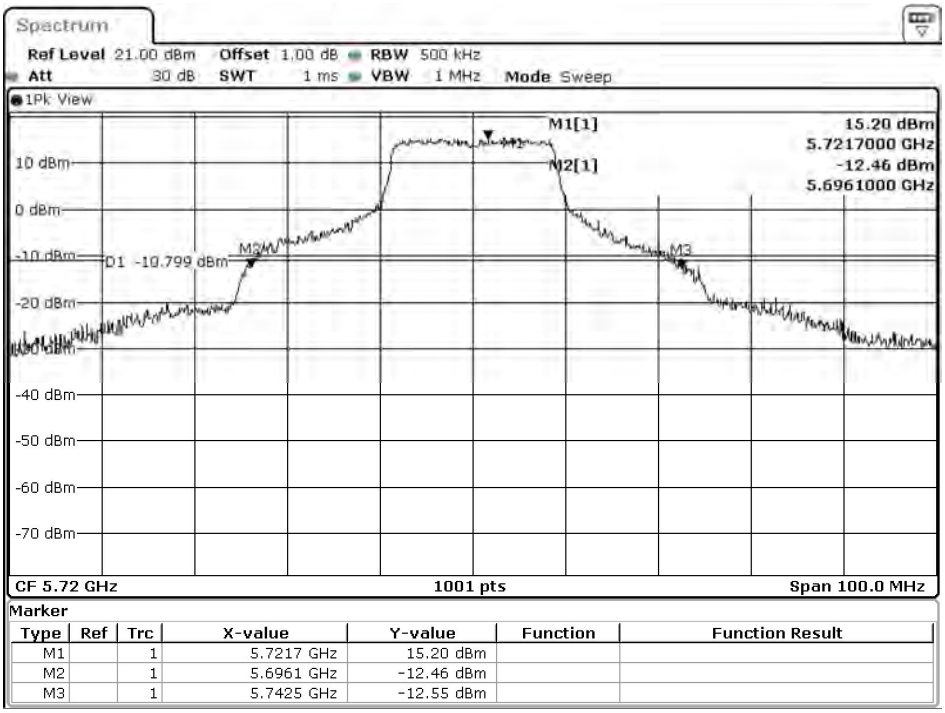


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.697203 GHz	11.11 dBm		
M2		1	5.6872 GHz	-15.53 dBm		
M3		1	5.71305 GHz	-17.19 dBm		

Date: 22.MAR.2021 22:29:39

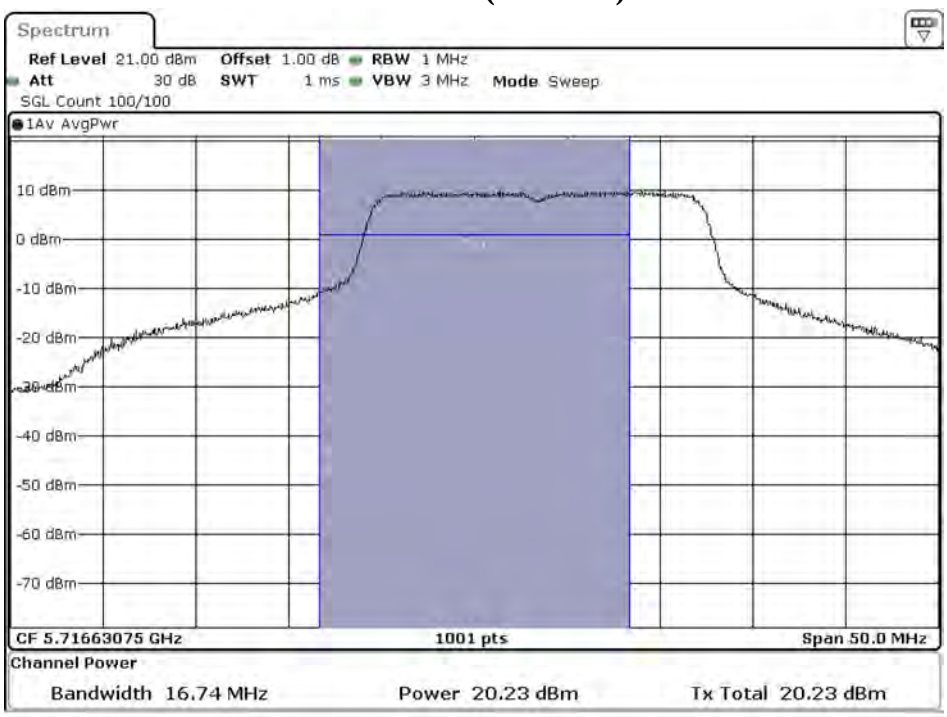
Channel 144



Date: 22.MAR.2021 20:56:07

Maximum conducted output power:

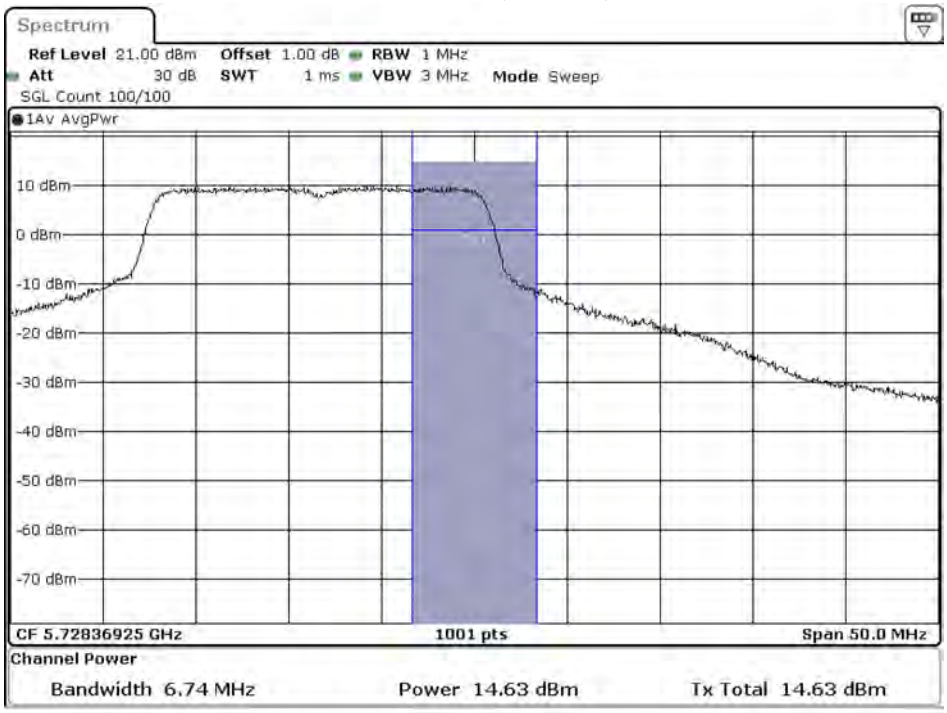
Channel 144 (U-NII-2C)



Date: 22.MAR.2021 20:56:29

Maximum conducted output power:

Channel 144 (U-NII-3)



Date: 22.MAR.2021 20:56:52

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
Test Mode : Mode 8 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	17.62	--	--	--	--	--	--	--
46	5230	18.49	18.39	18.33	18.29	18.22	18.12	18.08	17.99
54	5270	18.31	--	--	--	--	--	--	--
62	5310	15.48	15.39	15.32	15.29	15.25	15.19	15.09	14.99
102	5510	17.79	--	--	--	--	--	--	--
110	5550	21.16	21.11	21.04	21	20.9	20.84	20.81	20.74
134	5670	18.91	--	--	--	--	--	--	--
142(U-NII-2C)	5710	20.34	20.3	20.26	20.2	20.14	20.07	20.02	19.98
142(U-NII-3)	5710	10.37	10.27	10.2	10.11	10.04	9.99	9.89	9.83
151	5755	19.37	--	--	--	--	--	--	--
159	5795	20.37	20.34	20.29	20.25	20.22	20.17	20.09	19.99

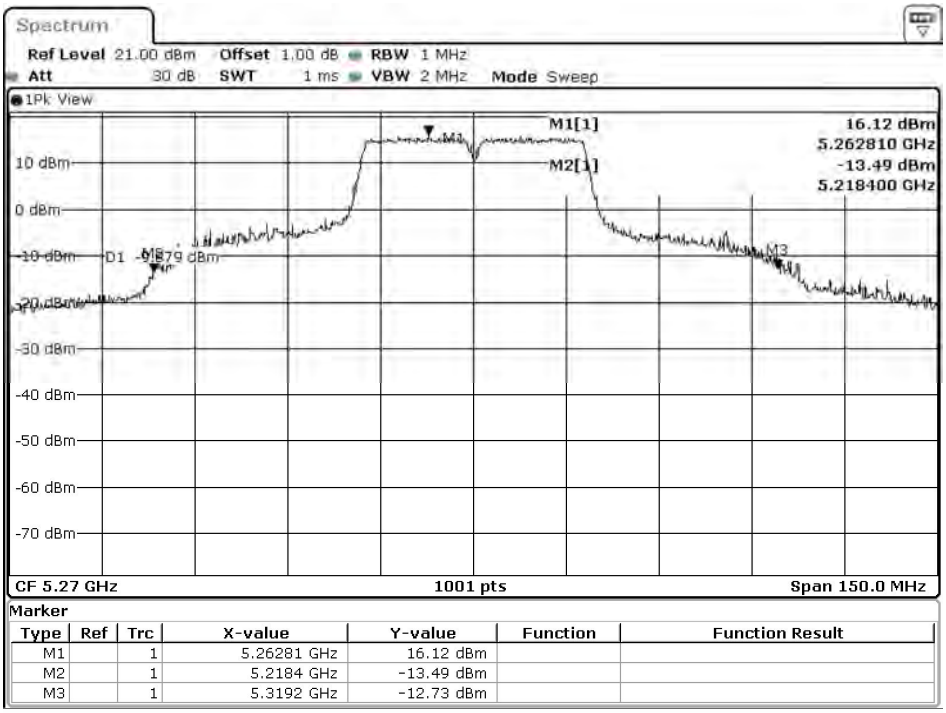
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	--	17.62	24	--	Pass
46	5230	--	18.49	24	--	Pass
54	5270	100.80	18.31	24	31.03	Pass
62	5310	44.20	15.48	24	27.45	Pass
102	5510	45.80	17.79	24	27.61	Pass
110	5550	66.90	21.16	24	29.25	Pass
134	5670	53.80	18.91	24	28.31	Pass
142(U-NII-2C)	5710	38.00	20.34	24	26.80	Pass
142(U-NII-3)	5710	--	10.37	30	--	Pass
151	5755	--	19.37	30	--	Pass
159	5795	--	20.37	30	--	Pass

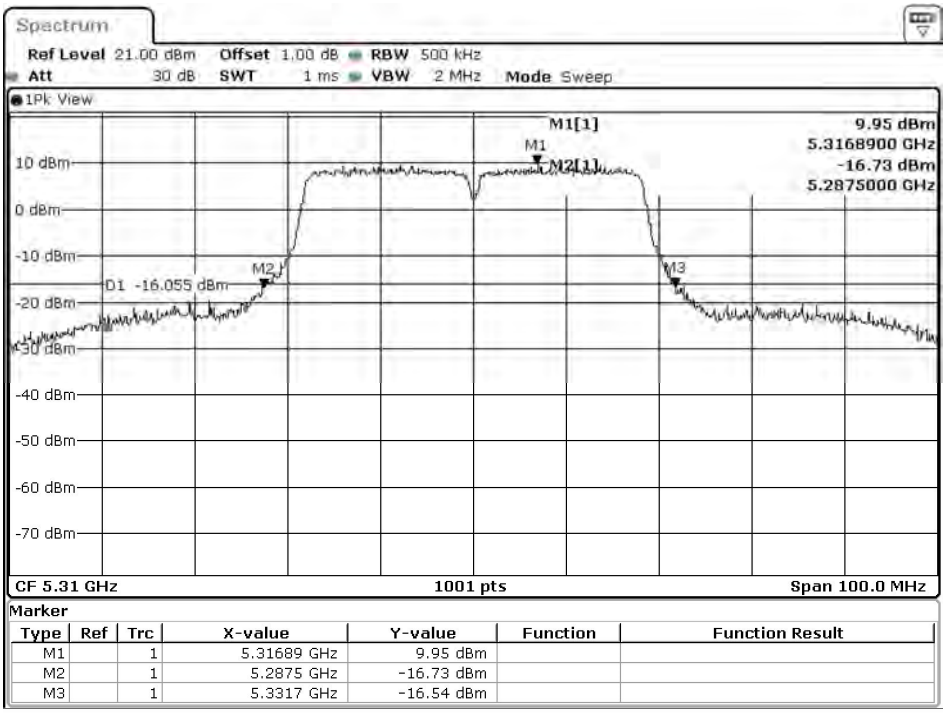
26dB Occupied Bandwidth:

Channel 54



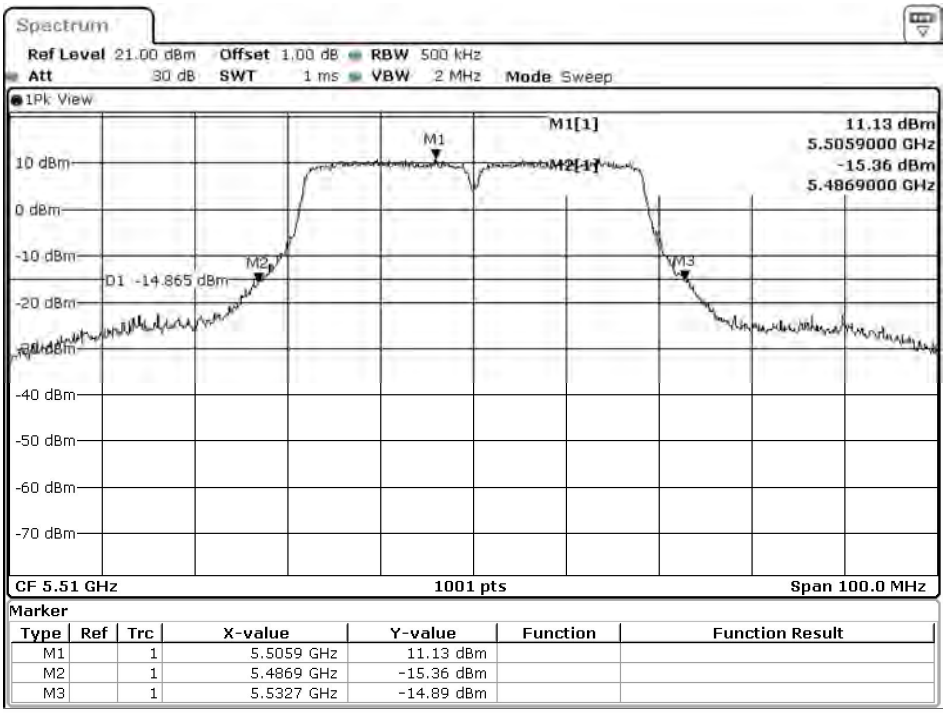
Date: 22.MAR.2021 22:31:27

Channel 62



Date: 22.MAR.2021 22:33:05

Channel 102

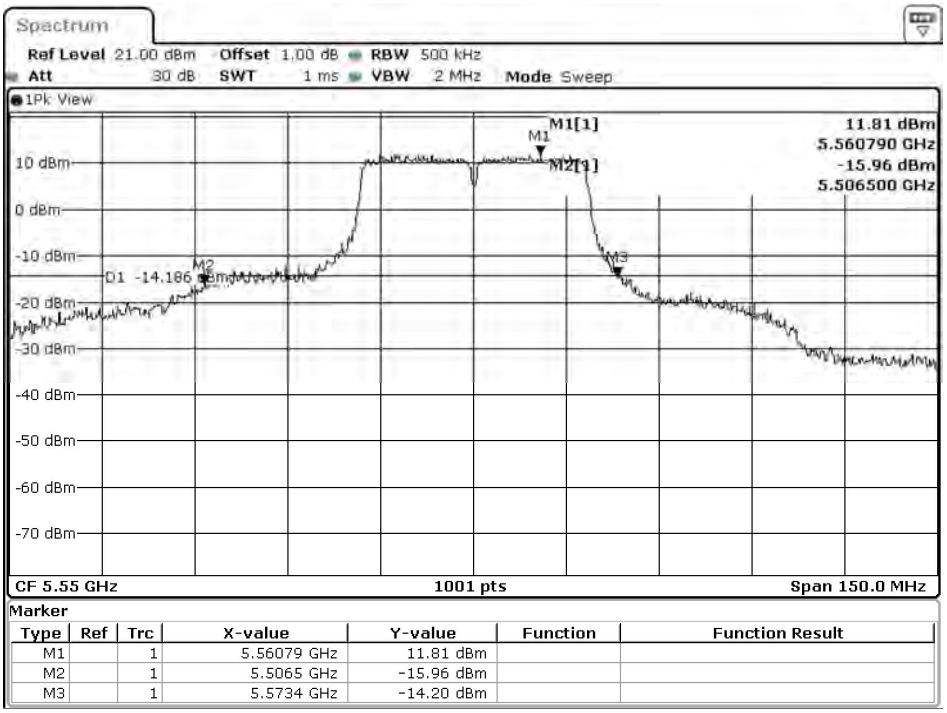


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.5059 GHz	11.13 dBm		
M2		1	5.4869 GHz	-15.36 dBm		
M3		1	5.5327 GHz	-14.89 dBm		

Date: 22.MAR.2021 22:56:50

Channel 110

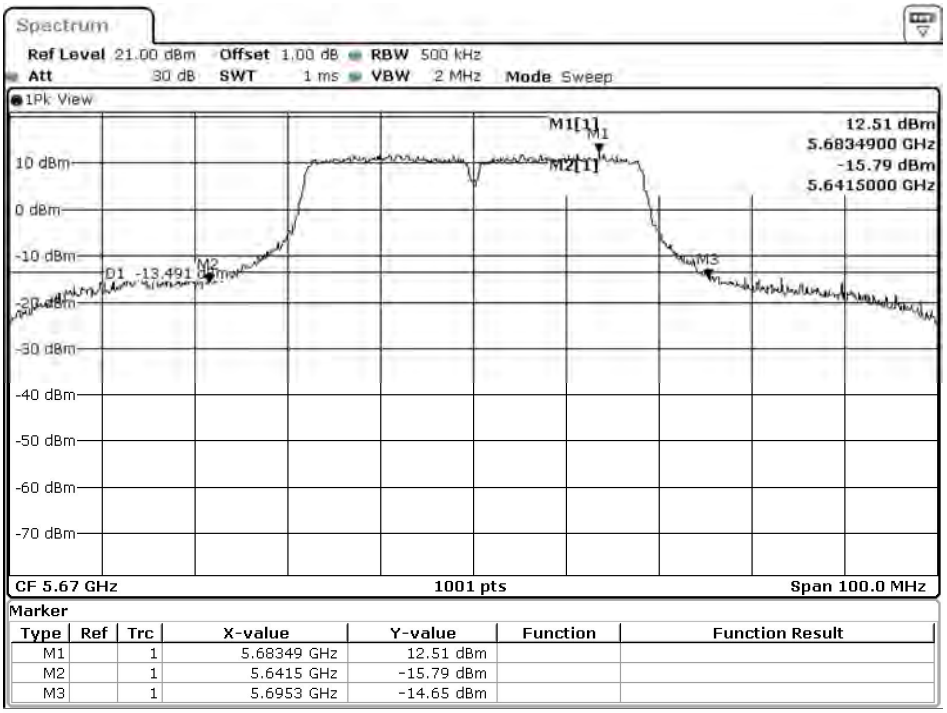


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.56079 GHz	11.81 dBm		
M2		1	5.5065 GHz	-15.96 dBm		
M3		1	5.5734 GHz	-14.20 dBm		

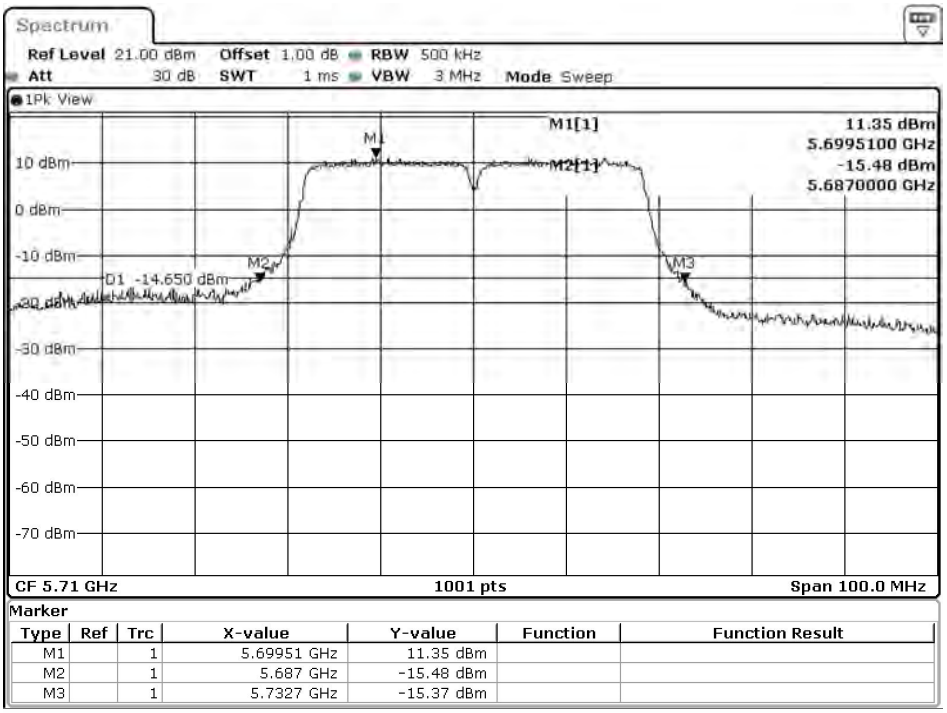
Date: 22.MAR.2021 23:00:38

Channel 134



Date: 22.MAR.2021 23:01:55

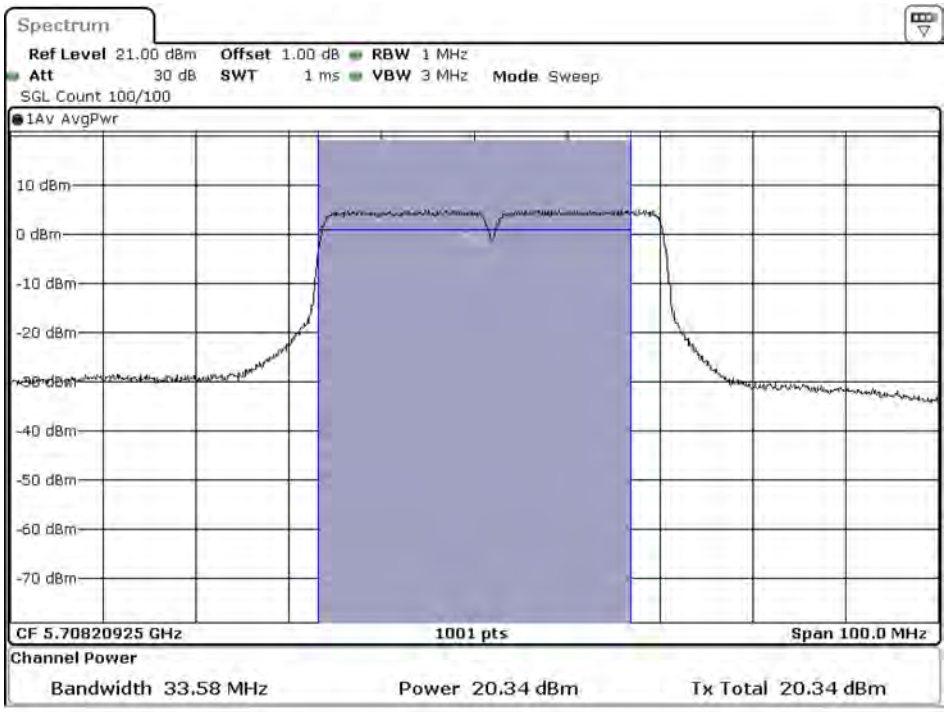
Channel 142



Date: 22.MAR.2021 21:04:16

Maximum conducted output power:

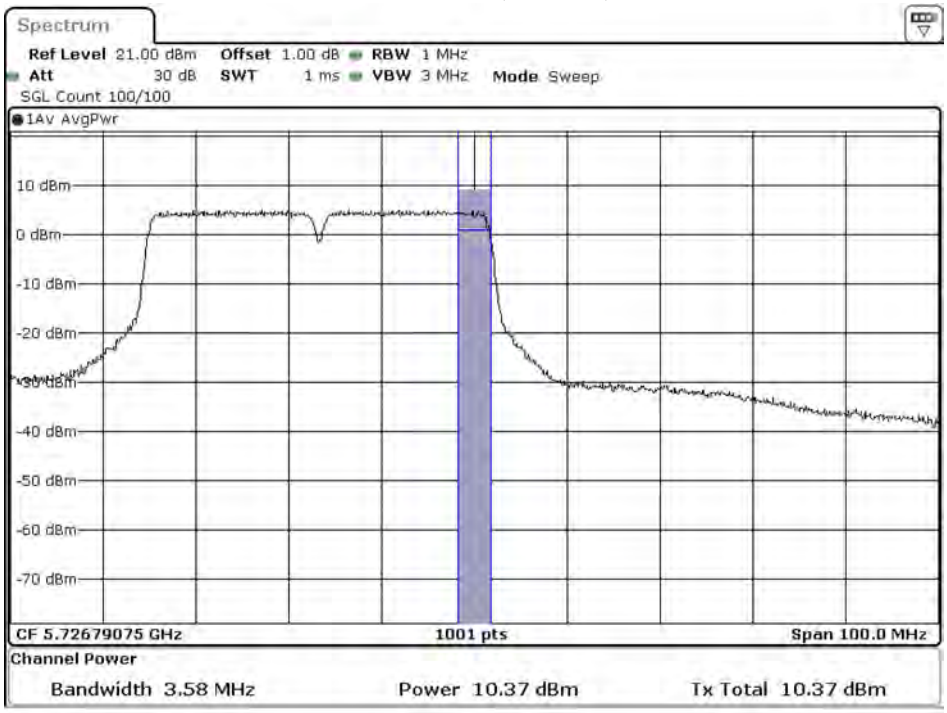
Channel 142 (U-NII-2C)



Date: 22.MAR.2021 21:04:38

Maximum conducted output power:

Channel 142 (U-NII-3)



Date: 22.MAR.2021 21:05:01

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
Test Mode : Mode 9 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	17.78	17.68	17.63	17.58	17.51	17.45	17.4	17.34	17.24	17.2
58	5290	15.9	15.86	15.81	15.73	15.66	15.56	15.49	15.46	15.38	15.34
106	5530	17.47	--	--	--	--	--	--	--	--	--
122	5610	20.04	19.98	19.92	19.88	19.82	19.74	19.64	19.57	19.47	19.37
138 (U-NII-2C)	5690	20.71	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	4.45	--	--	--	--	--	--	--	--	--
155	5775	19.44	19.39	19.31	19.25	19.19	19.14	19.11	19.03	19	18.9

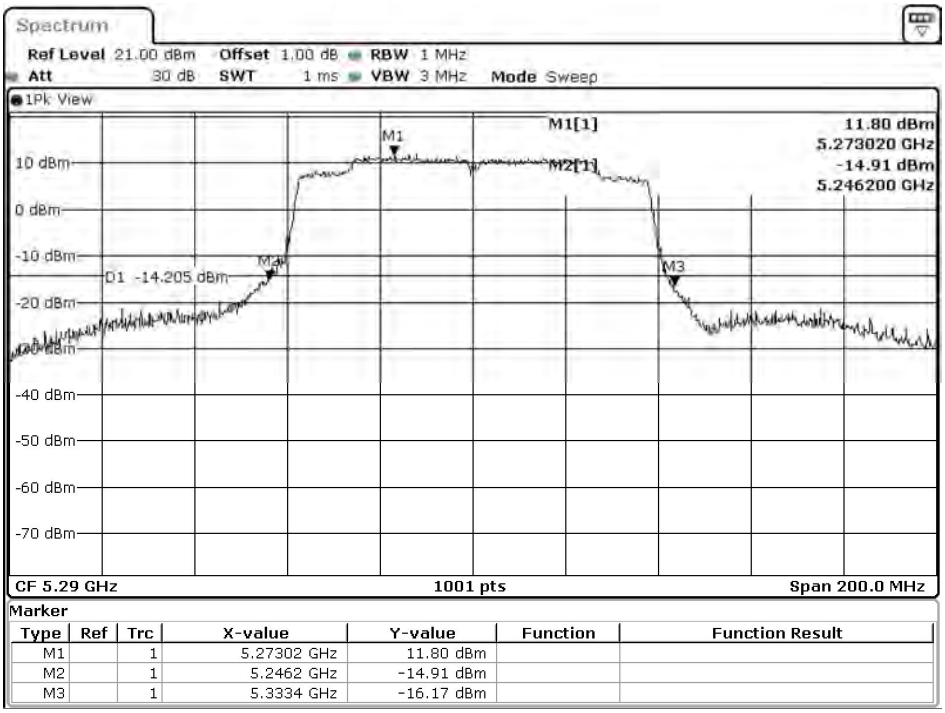
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

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	--	17.78	24	--	Pass
58	5290	87.20	15.90	24	--	Pass
106	5530	88.40	17.47	24	30.46	Pass
122	5610	130.00	20.04	24	32.14	Pass
138 (U-NII-2C)	5690	112.80	20.71	24	31.52	Pass
138 (U-NII-3)	5690	--	4.45	30	--	Pass
155	5775	--	19.44	30	--	Pass

26dB Occupied Bandwidth:

Channel 58

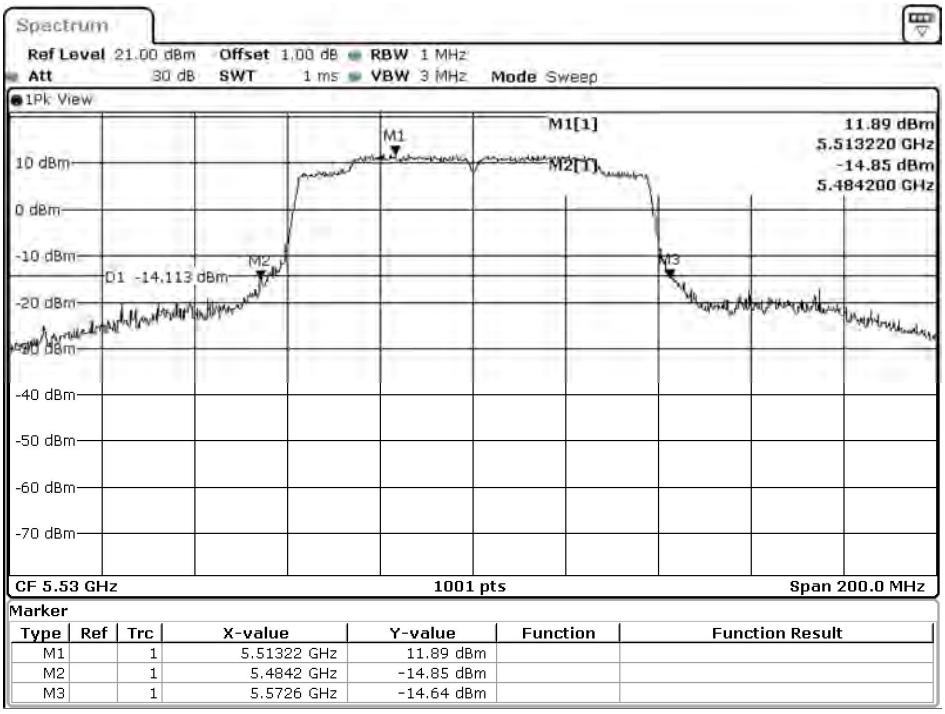


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.27302 GHz	11.80 dBm		
M2		1	5.2462 GHz	-14.91 dBm		
M3		1	5.3334 GHz	-16.17 dBm		

Date: 23.MAR.2021 00:15:14

Channel 106

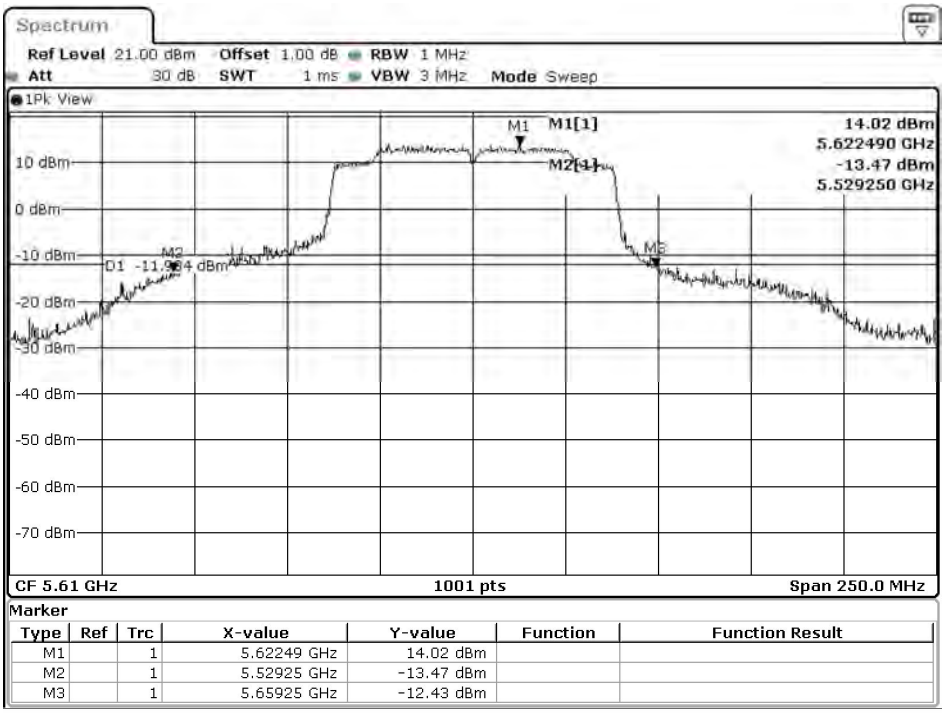


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.51322 GHz	11.89 dBm		
M2		1	5.4842 GHz	-14.85 dBm		
M3		1	5.5726 GHz	-14.64 dBm		

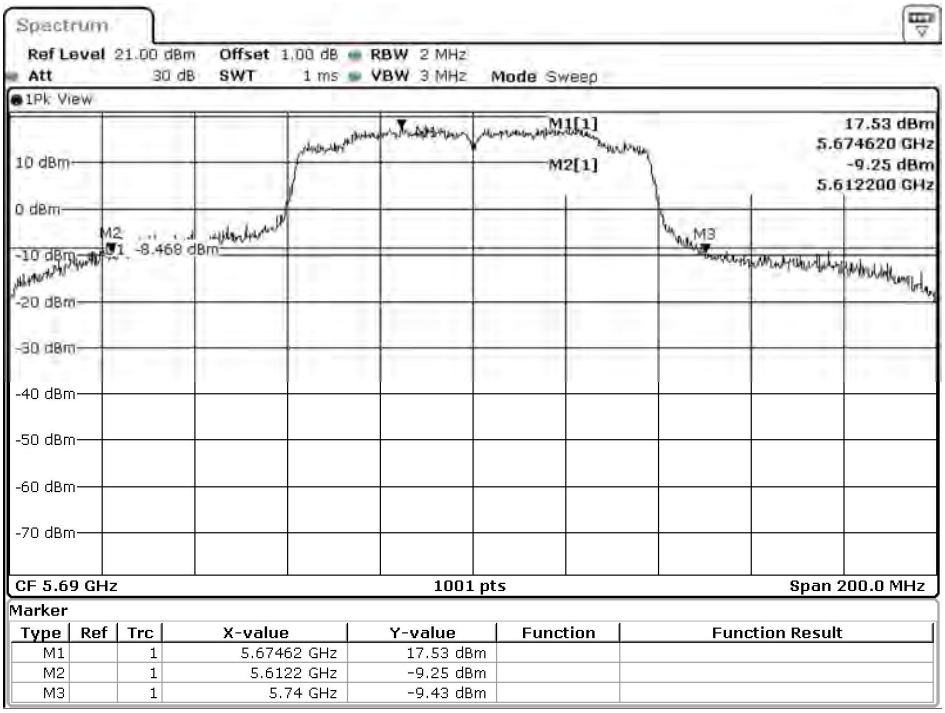
Date: 22.MAR.2021 22:11:10

Channel 122



Date: 22.MAR.2021 22:16:21

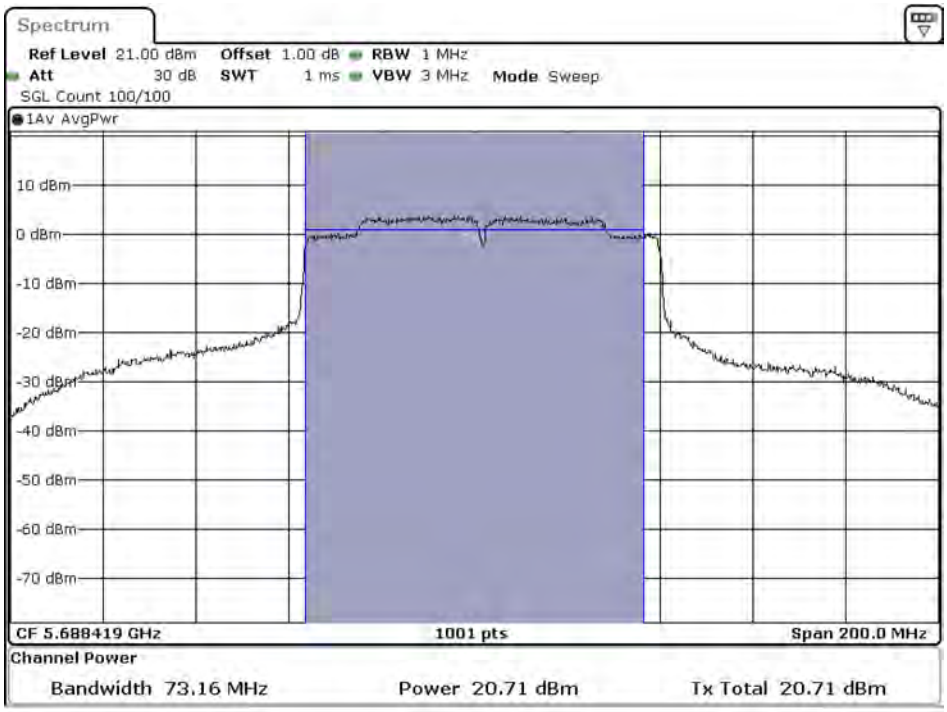
Channel 138



Date: 22.MAR.2021 22:20:41

Maximum conducted output power:

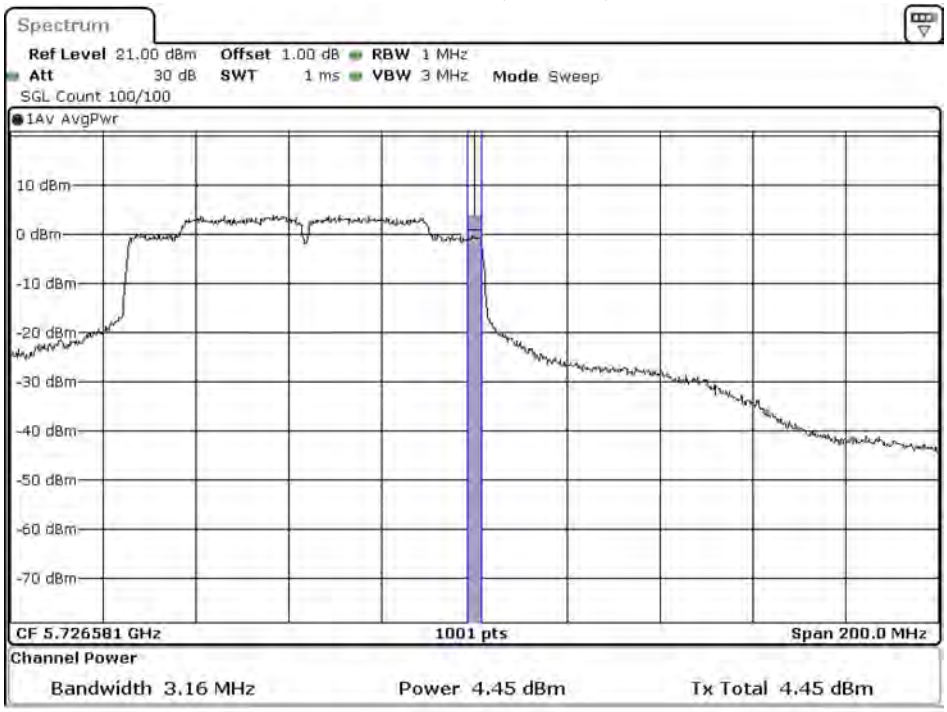
Channel 138 (U-NII-2C)



Date: 23.MAR.2021 00:30:44

Maximum conducted output power:

Channel 138 (U-NII-3)



Date: 23.MAR.2021 00:31:07

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
Test Mode : Mode 10 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	10.15	10.12	10.08	10.03	9.96	9.9	9.85	9.82	9.74	9.67
50 (U-NII-2A)	5250	10.04	10	9.92	9.84	9.79	9.73	9.63	9.54	9.5	9.46
114	5570	14.74	--	--	--	--	--	--	--	--	--

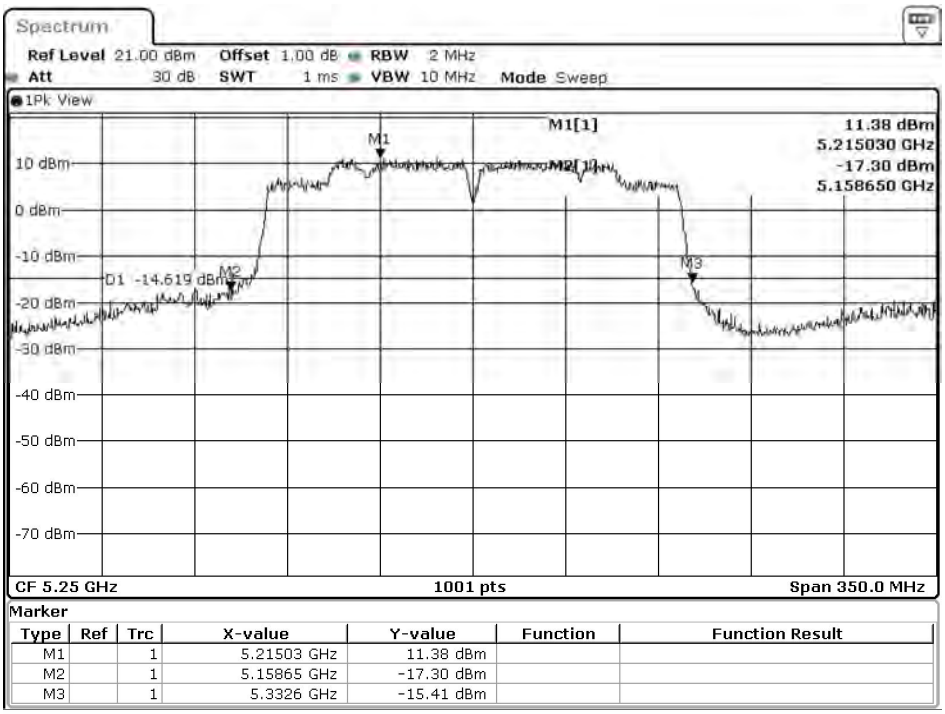
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
50 (U-NII-1)	5250	--	10.15	24	--	Pass
50 (U-NII-2A)	5250	82.60	10.04	24	30.17	Pass
114	5570	234.00	14.74	24	34.69	Pass

26dB Occupied Bandwidth:

Channel 50

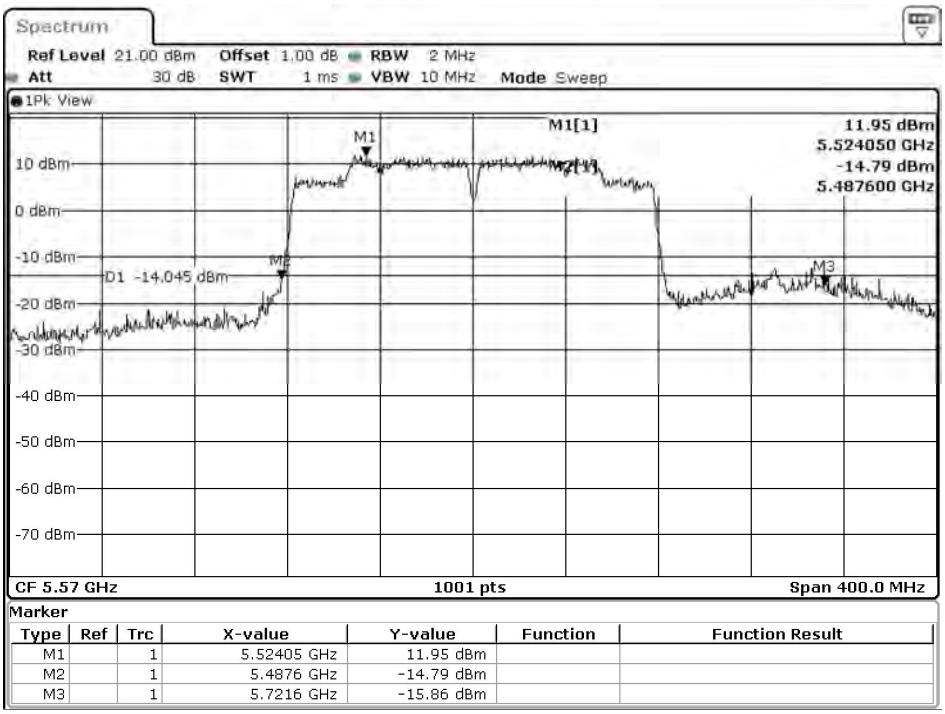


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.21503 GHz	11.38 dBm		
M2		1	5.15865 GHz	-17.30 dBm		
M3		1	5.3326 GHz	-15.41 dBm		

Date: 22.MAR.2021 20:45:07

Channel 114



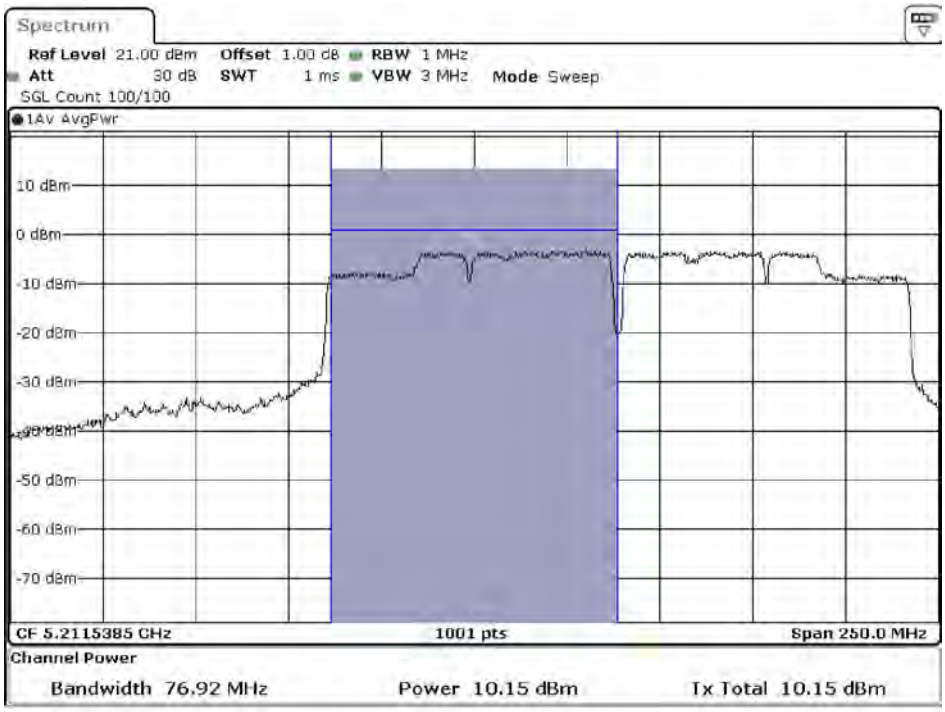
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.52405 GHz	11.95 dBm		
M2		1	5.4876 GHz	-14.79 dBm		
M3		1	5.7216 GHz	-15.86 dBm		

Date: 22.MAR.2021 20:47:30

Maximum conducted output power:

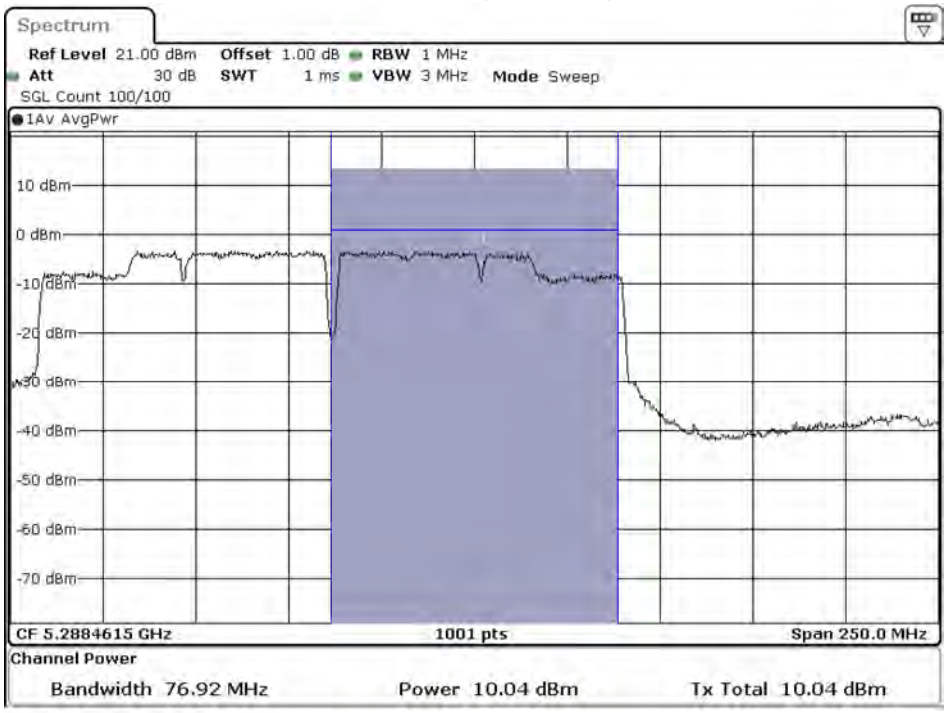
Channel 50 (U-NII-1)



Date: 22.MAR.2021 20:45:30

Maximum conducted output power:

Channel 50 (U-NII-2A)



Date: 22.MAR.2021 20:45:52

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
Test Mode : Mode 11 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	17.01	--	--	--	--	--	--	--
44	5220	19.04	18.99	18.89	18.83	18.78	18.71	18.65	18.56
48	5240	19.67	--	--	--	--	--	--	--
52	5260	20.26	--	--	--	--	--	--	--
60	5300	19.68	19.63	19.55	19.47	19.44	19.34	19.31	19.22
64	5320	16.2	--	--	--	--	--	--	--
100	5500	16.51	--	--	--	--	--	--	--
116	5580	19.52	19.46	19.43	19.4	19.3	19.22	19.14	19.1
140	5700	16.8	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.6	18.52	18.48	18.42	18.38	18.34	18.26	18.22
144(U-NII-3)	5720	14.29	14.19	14.12	14.04	13.94	13.84	13.8	13.71
149	5745	21.07	--	--	--	--	--	--	--
157	5785	21.53	21.45	21.41	21.37	21.27	21.21	21.13	21.05
165	5825	21.26	--	--	--	--	--	--	--

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	17.34	--	--	--	--	--	--	--
44	5220	18.94	18.91	18.86	18.76	18.69	18.6	18.5	18.46
48	5240	19.54	--	--	--	--	--	--	--
52	5260	20.63	--	--	--	--	--	--	--
60	5300	19.39	19.33	19.28	19.21	19.15	19.1	19.01	18.93
64	5320	16.36	--	--	--	--	--	--	--
100	5500	16.81	--	--	--	--	--	--	--
116	5580	20.07	20.02	19.93	19.89	19.8	19.71	19.63	19.55
140	5700	17.15	--	--	--	--	--	--	--
144(U-NII-2C)	5720	18.89	18.81	18.74	18.66	18.58	18.5	18.45	18.35
144(U-NII-3)	5720	14.79	14.72	14.67	14.64	14.59	14.49	14.45	14.41
149	5745	21.43	--	--	--	--	--	--	--
157	5785	21.7	21.61	21.55	21.45	21.39	21.29	21.26	21.19
165	5825	21.48	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

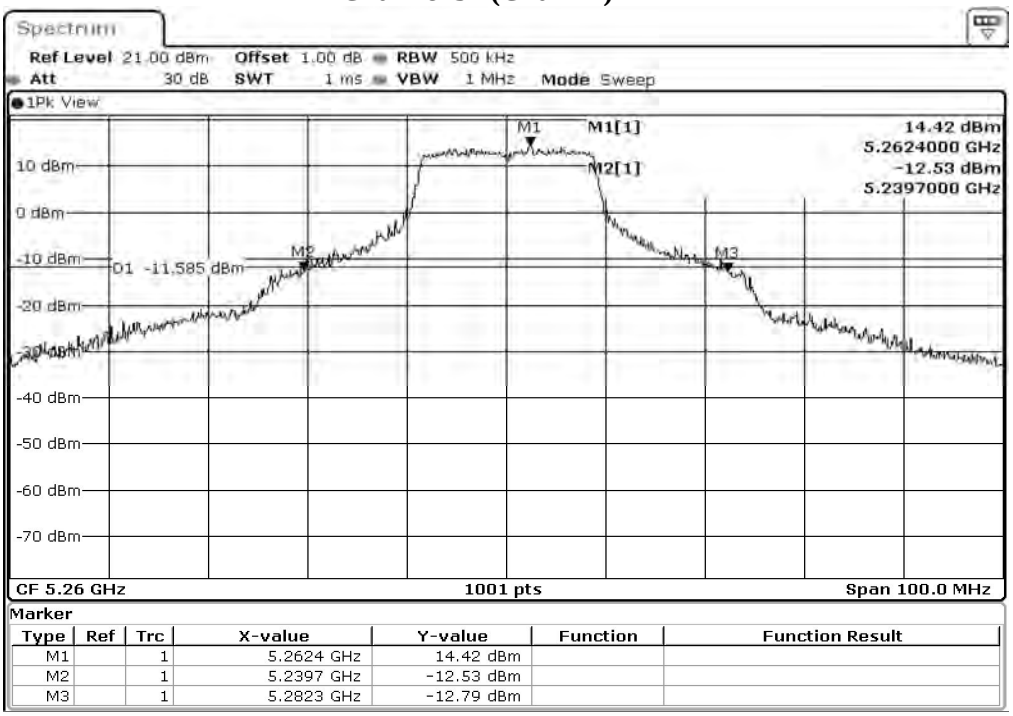
Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
36	5180	--	17.01	17.34	20.19	24	--	Pass
44	5220	--	19.04	18.94	22.00	24	--	Pass
48	5240	--	19.67	19.54	22.62	24	--	Pass
52	5260	41.80	20.26	20.63	23.46	24	27.21	Pass
60	5300	42.30	19.68	19.39	22.55	24	27.26	Pass
64	5320	27.20	16.20	16.36	19.29	24	25.35	Pass
100	5500	24.00	16.51	16.81	19.67	24	24.80	Pass
116	5580	34.15	19.52	20.07	22.81	24	26.33	Pass
140	5700	24.00	16.80	17.15	19.99	24	24.80	Pass
144(U-NII-2C)	5720	17.30	18.60	18.89	21.76	24	23.38	Pass
144(U-NII-3)	5720	--	14.29	14.79	17.56	30	--	Pass
149	5745	--	21.07	21.43	24.26	30	--	Pass
157	5785	--	21.53	21.70	24.63	30	--	Pass
165	5825	--	21.26	21.48	24.38	30	--	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.

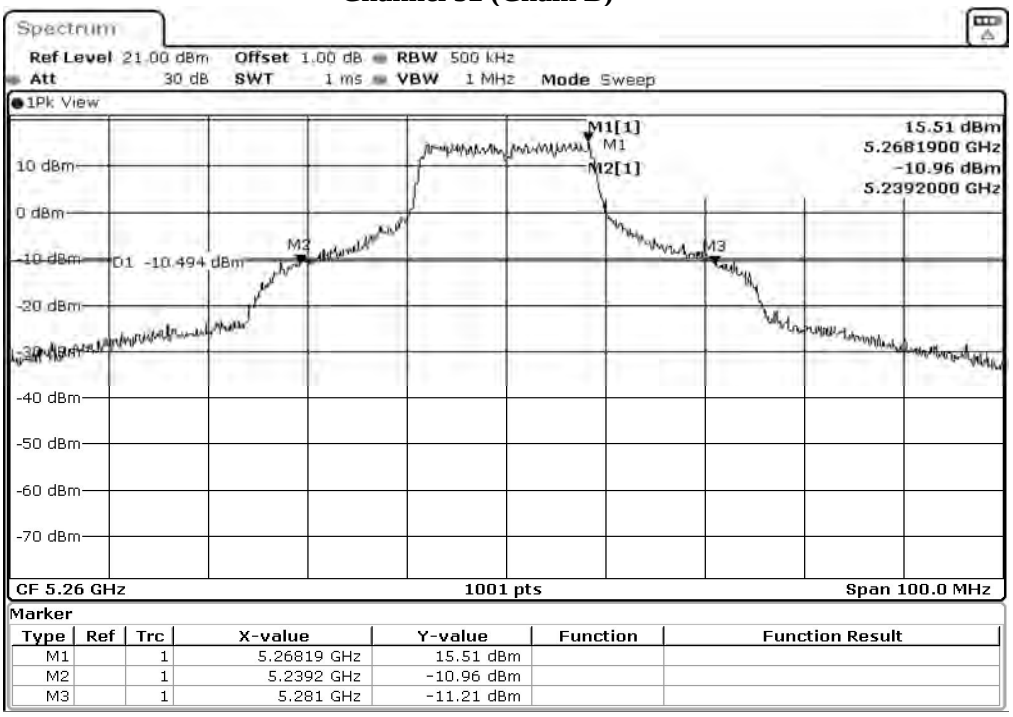
26dB Occupied Bandwidth:

Channel 52 (Chain A)



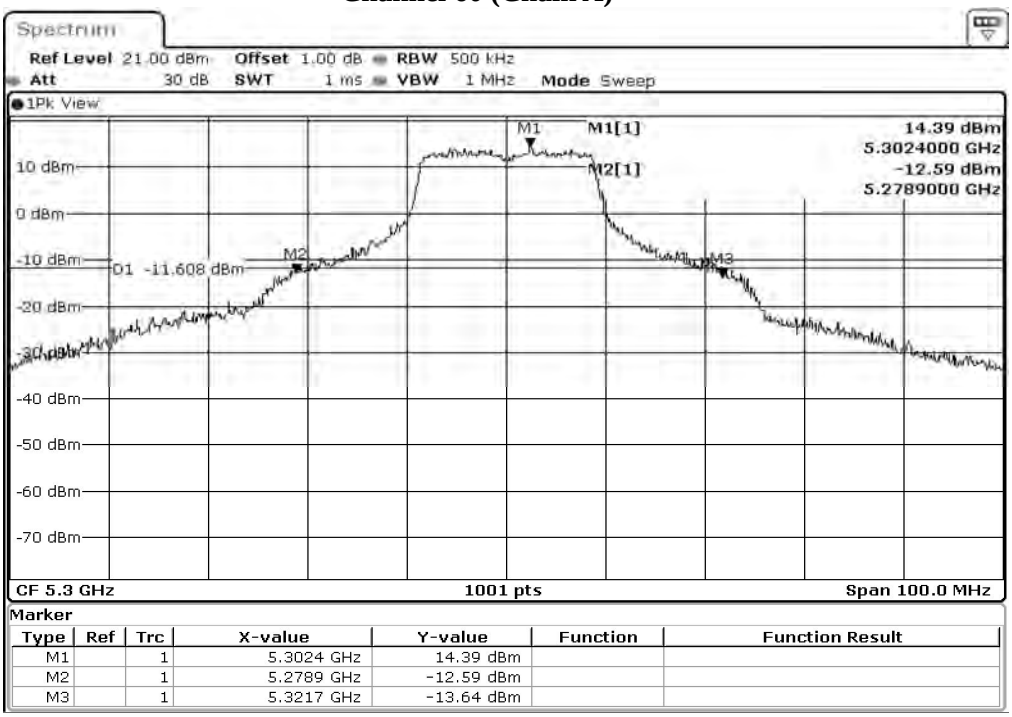
Date: 22.MAR.2021 23:48:18

Channel 52 (Chain B)



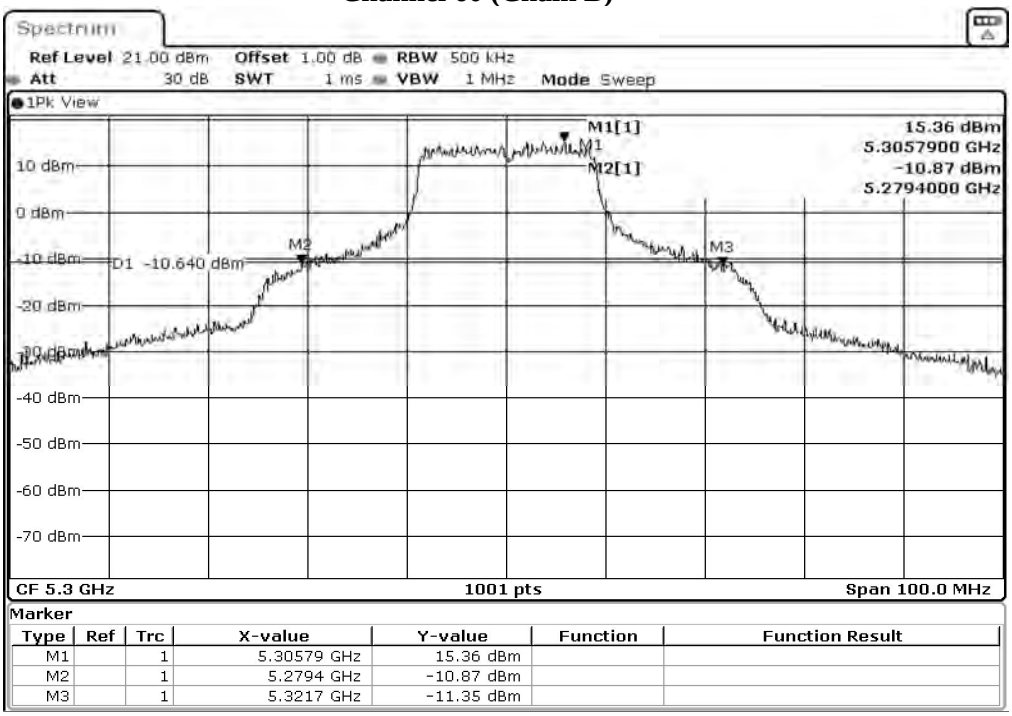
Date: 22.MAR.2021 15:50:31

Channel 60 (Chain A)



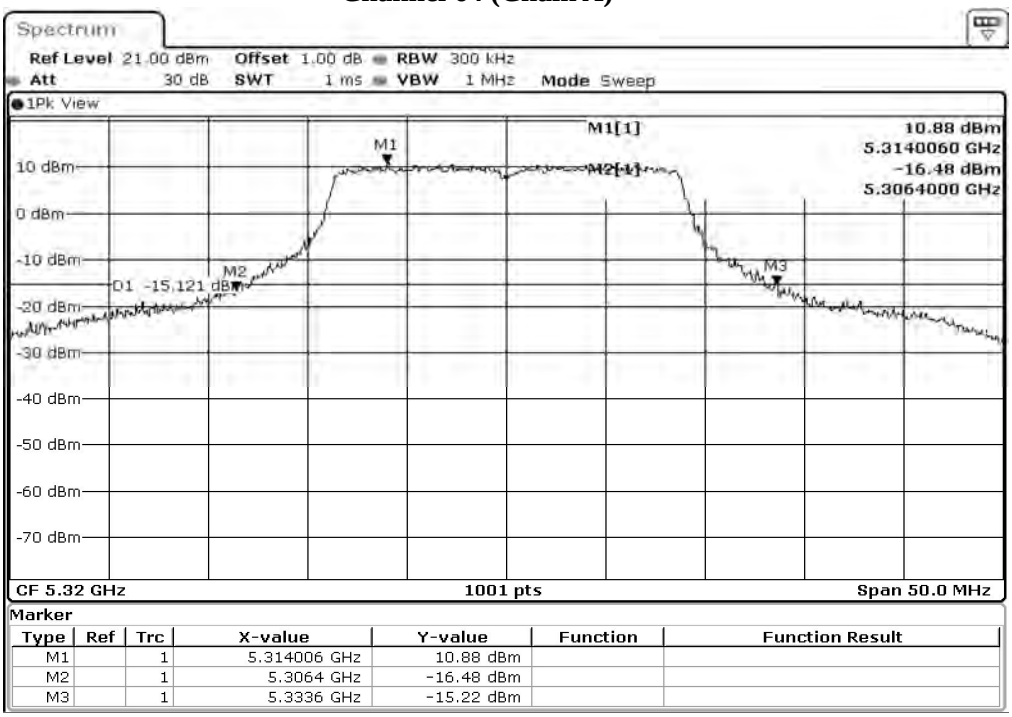
Date: 22.MAR.2021 23:49:56

Channel 60 (Chain B)



Date: 22.MAR.2021 15:52:09

Channel 64 (Chain A)

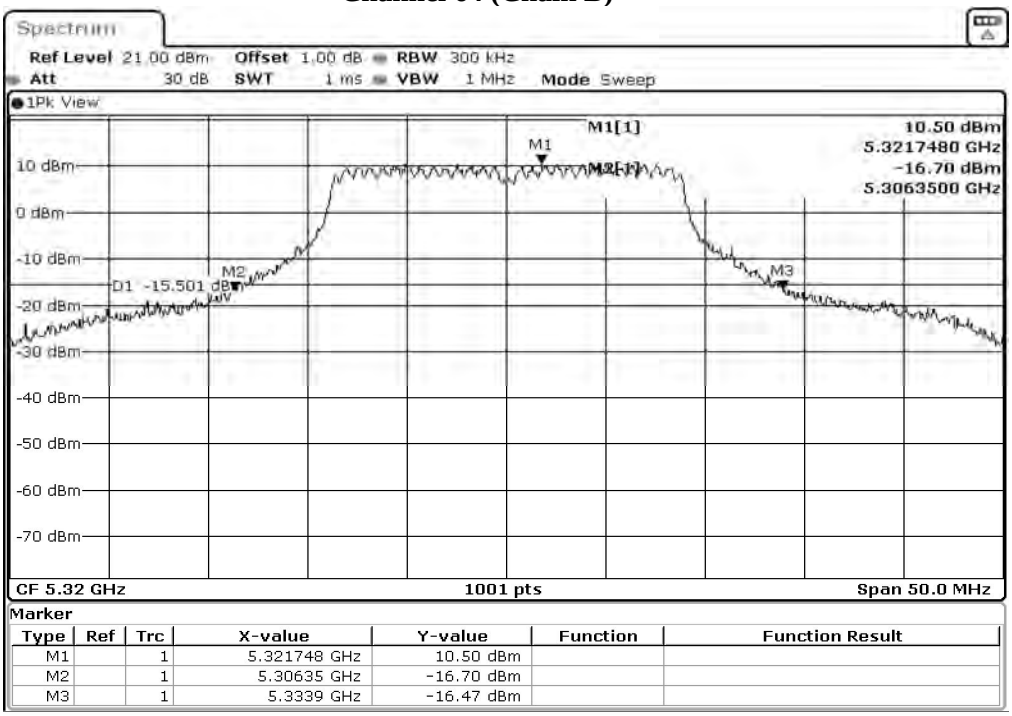


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.314006 GHz	10.88 dBm		
M2		1	5.3064 GHz	-16.48 dBm		
M3		1	5.3336 GHz	-15.22 dBm		

Date: 22.MAR.2021 23:51:18

Channel 64 (Chain B)

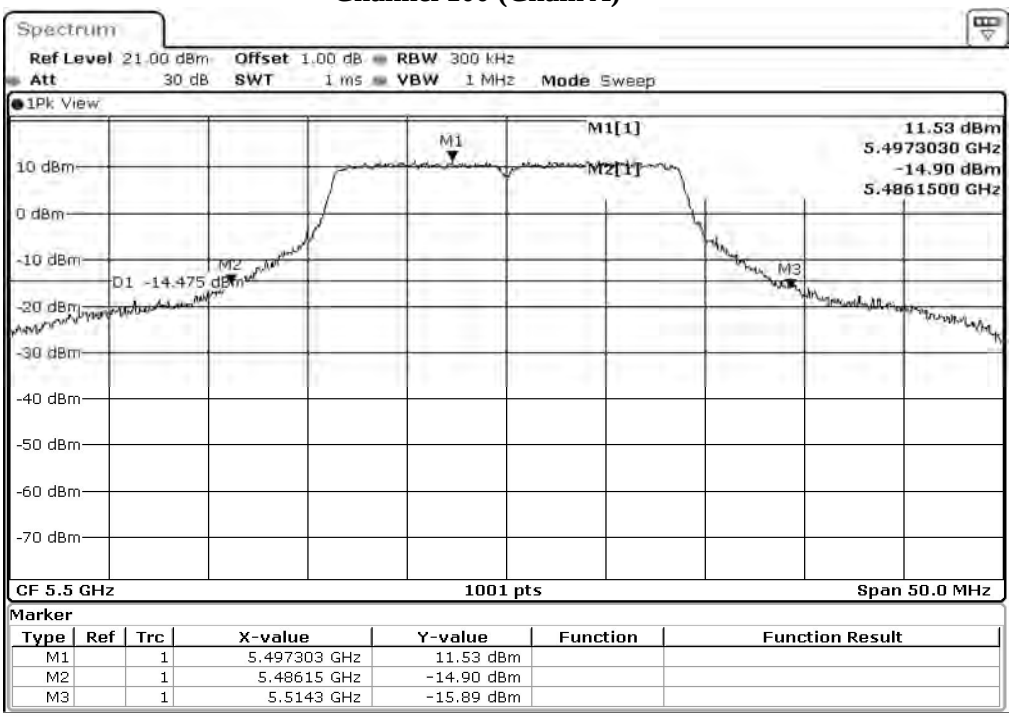


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.321748 GHz	10.50 dBm		
M2		1	5.30635 GHz	-16.70 dBm		
M3		1	5.3339 GHz	-16.47 dBm		

Date: 22.MAR.2021 15:53:30

Channel 100 (Chain A)

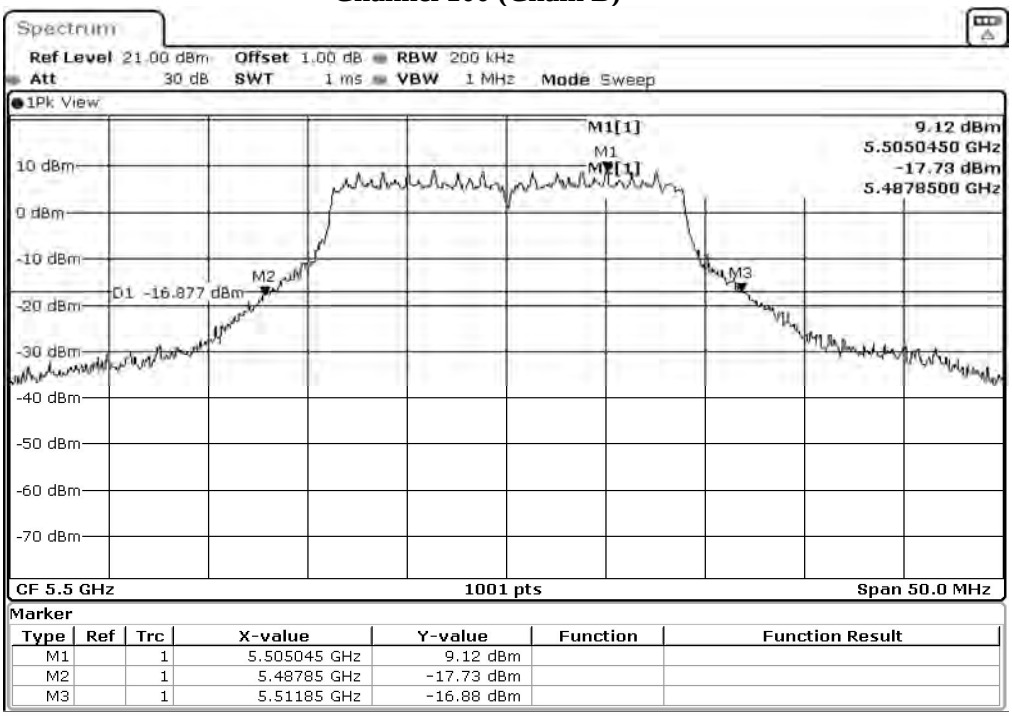


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.497303 GHz	11.53 dBm		
M2		1	5.48615 GHz	-14.90 dBm		
M3		1	5.5143 GHz	-15.89 dBm		

Date: 22.MAR.2021 23:52:36

Channel 100 (Chain B)

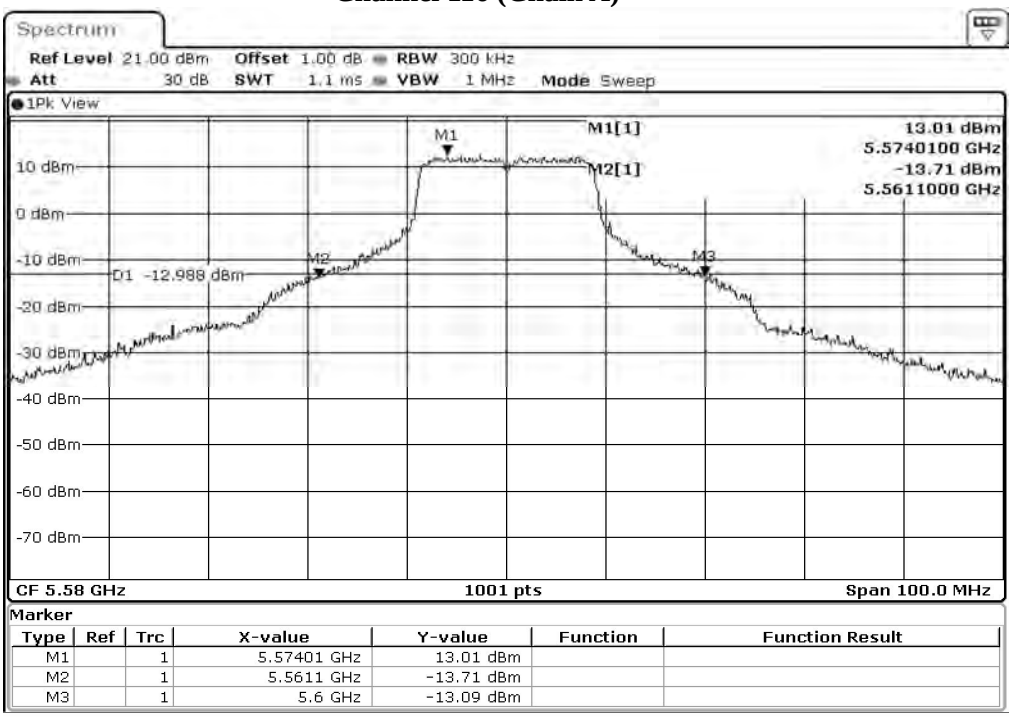


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.505045 GHz	9.12 dBm		
M2		1	5.48785 GHz	-17.73 dBm		
M3		1	5.51185 GHz	-16.88 dBm		

Date: 22.MAR.2021 15:54:49

Channel 116 (Chain A)

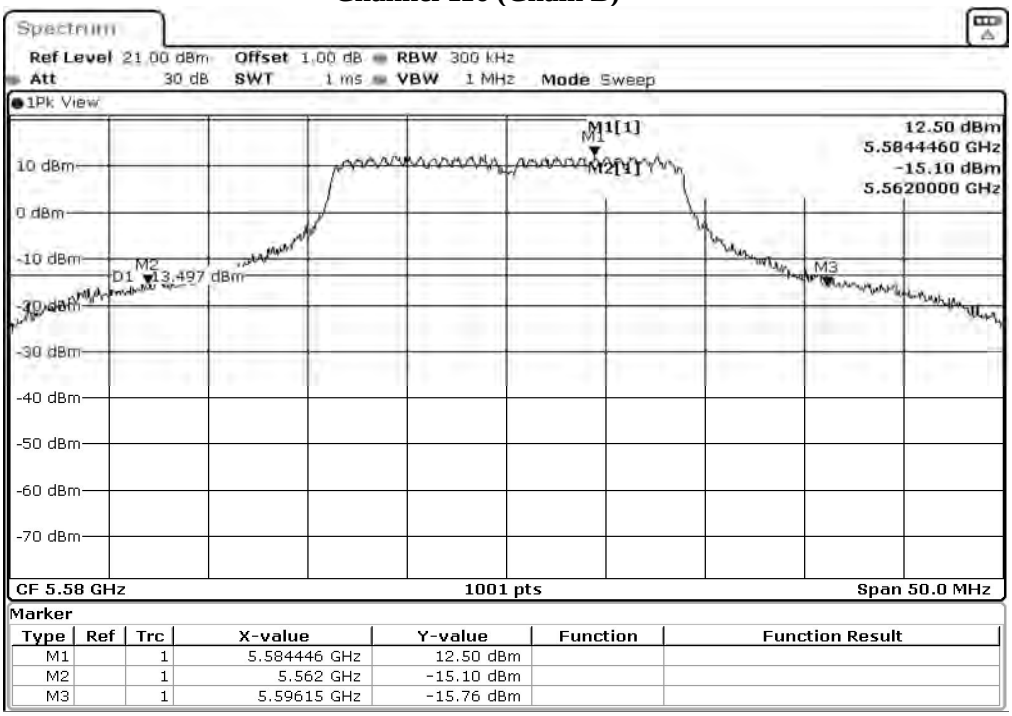


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.57401 GHz	13.01 dBm		
M2		1	5.5611 GHz	-13.71 dBm		
M3		1	5.6 GHz	-13.09 dBm		

Date: 22.MAR.2021 23:54:19

Channel 116 (Chain B)

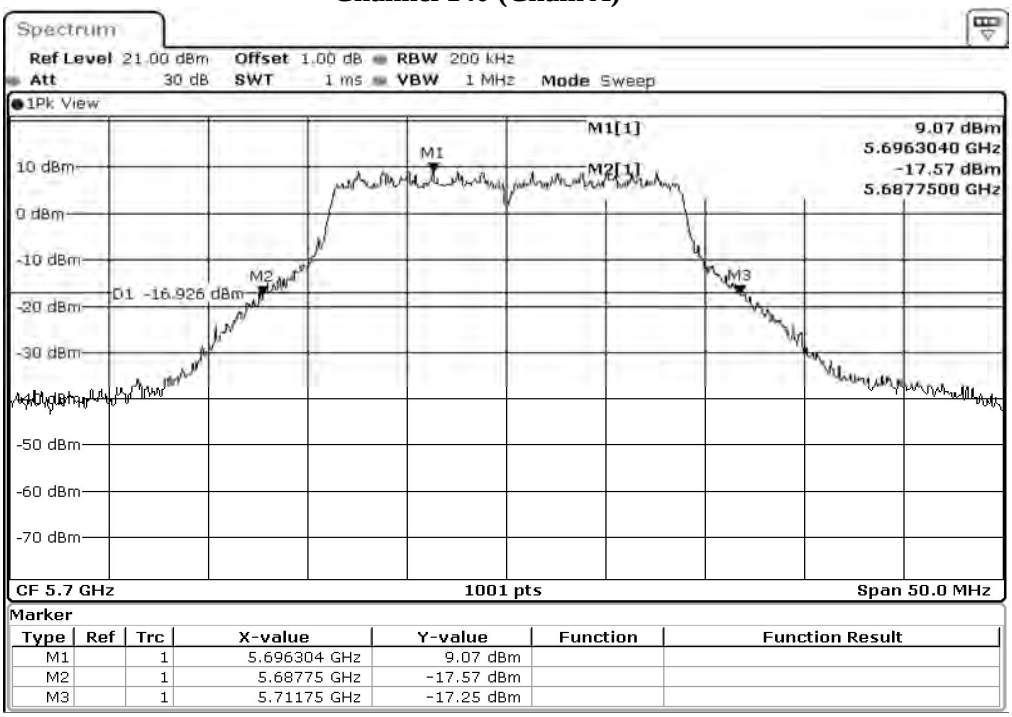


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.584446 GHz	12.50 dBm		
M2		1	5.562 GHz	-15.10 dBm		
M3		1	5.59615 GHz	-15.76 dBm		

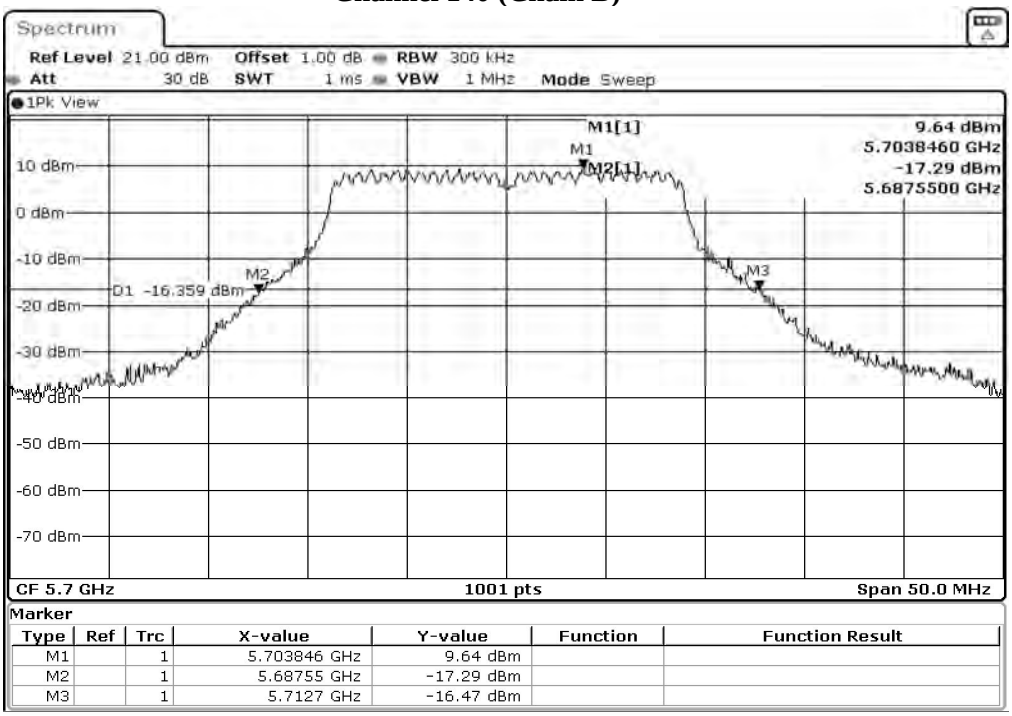
Date: 22.MAR.2021 15:56:16

Channel 140 (Chain A)



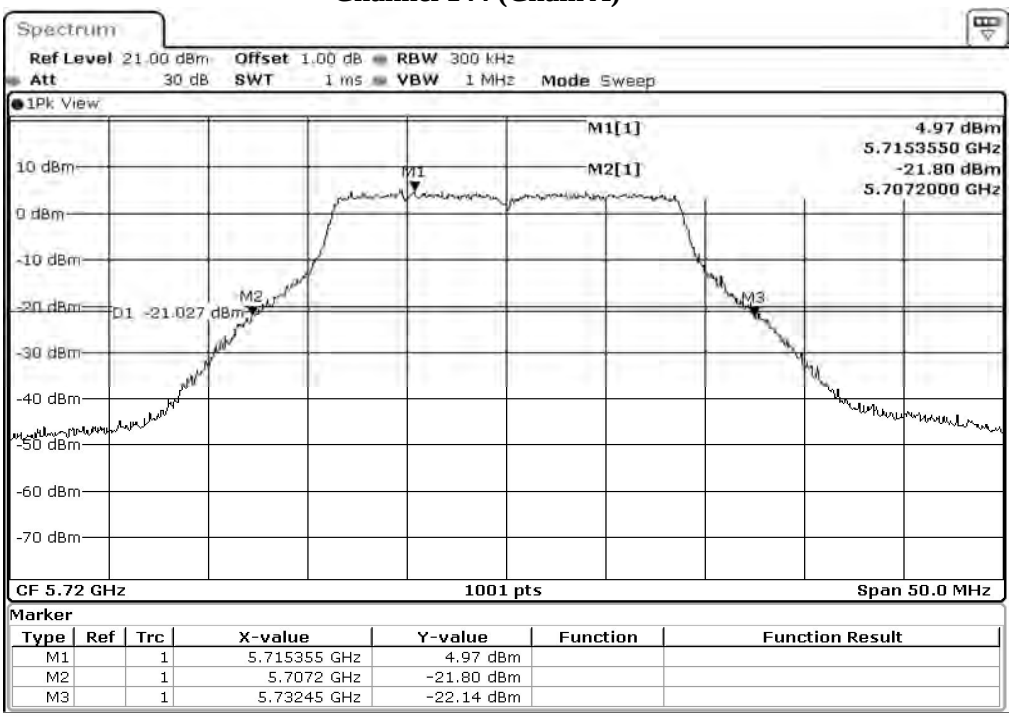
Date: 22.MAR.2021 23:55:56

Channel 140 (Chain B)



Date: 22.MAR.2021 15:58:08

Channel 144 (Chain A)

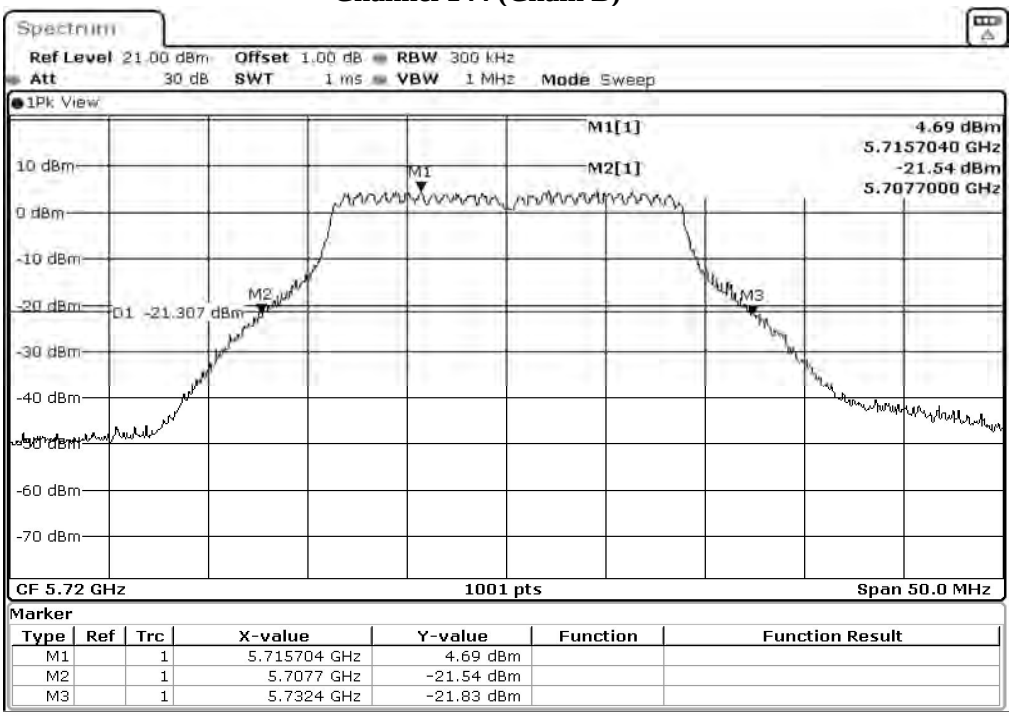


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.715355 GHz	4.97 dBm		
M2		1	5.7072 GHz	-21.80 dBm		
M3		1	5.73245 GHz	-22.14 dBm		

Date: 22.MAR.2021 23:25:15

Channel 144 (Chain B)



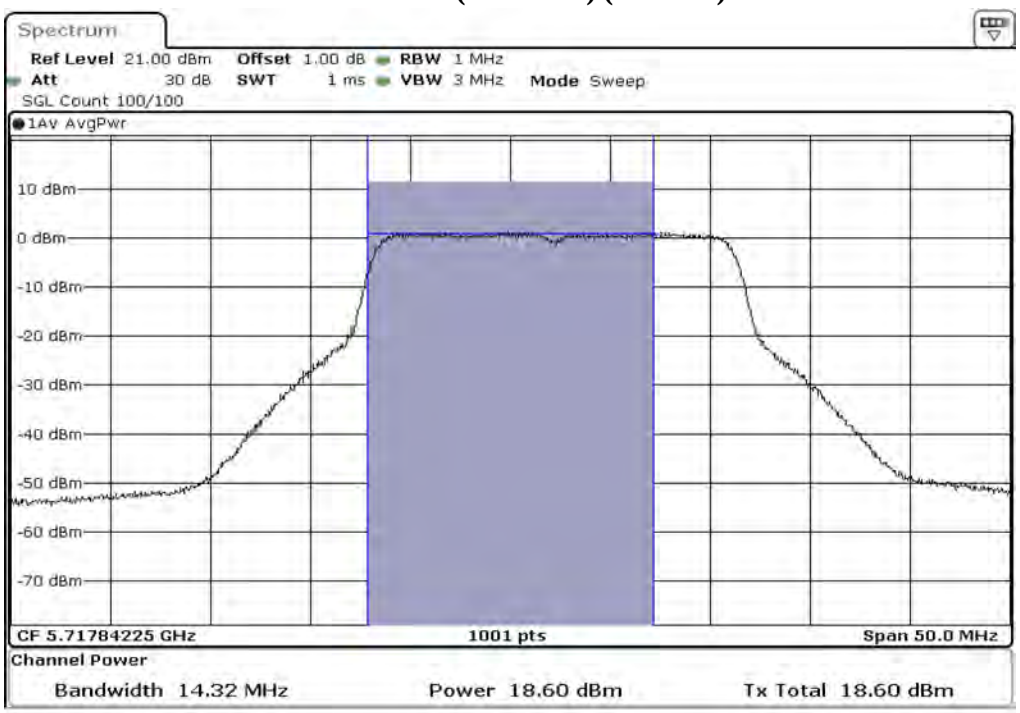
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.715704 GHz	4.69 dBm		
M2		1	5.7077 GHz	-21.54 dBm		
M3		1	5.7324 GHz	-21.83 dBm		

Date: 22.MAR.2021 15:27:28

Maximum conducted output power:

Channel 144 (U-NII-2C) (Chain A)



Date: 22.MAR.2021 23:25:40

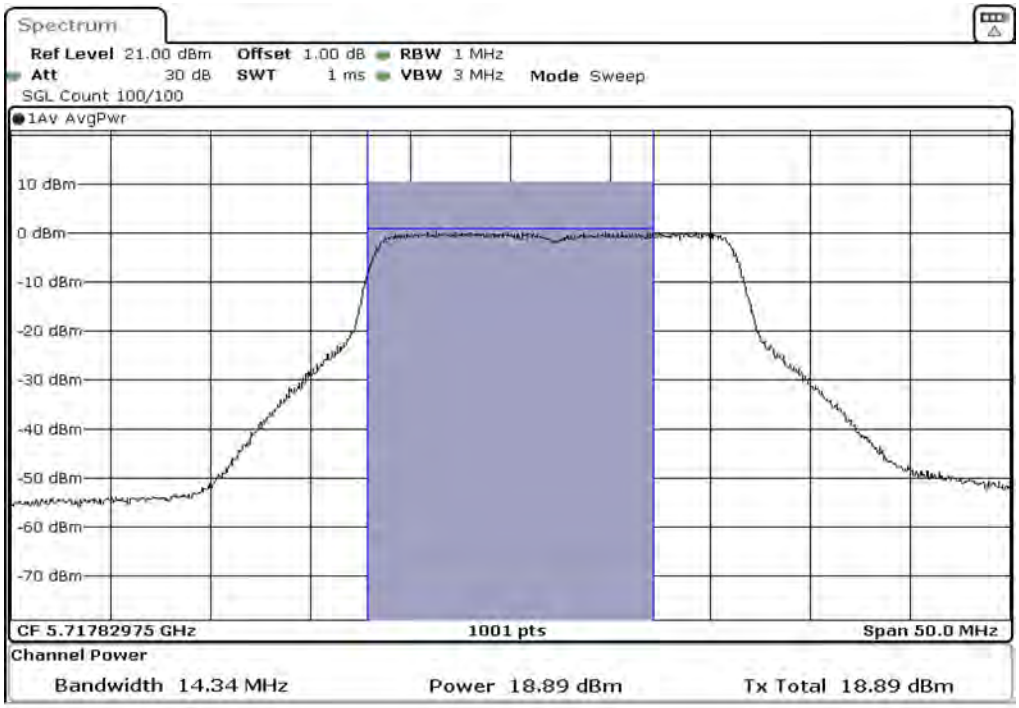
Maximum conducted output power:

Channel 144 (U-NII-3) (Chain A)

Date: 22.MAR.2021 23:26:02

Maximum conducted output power:

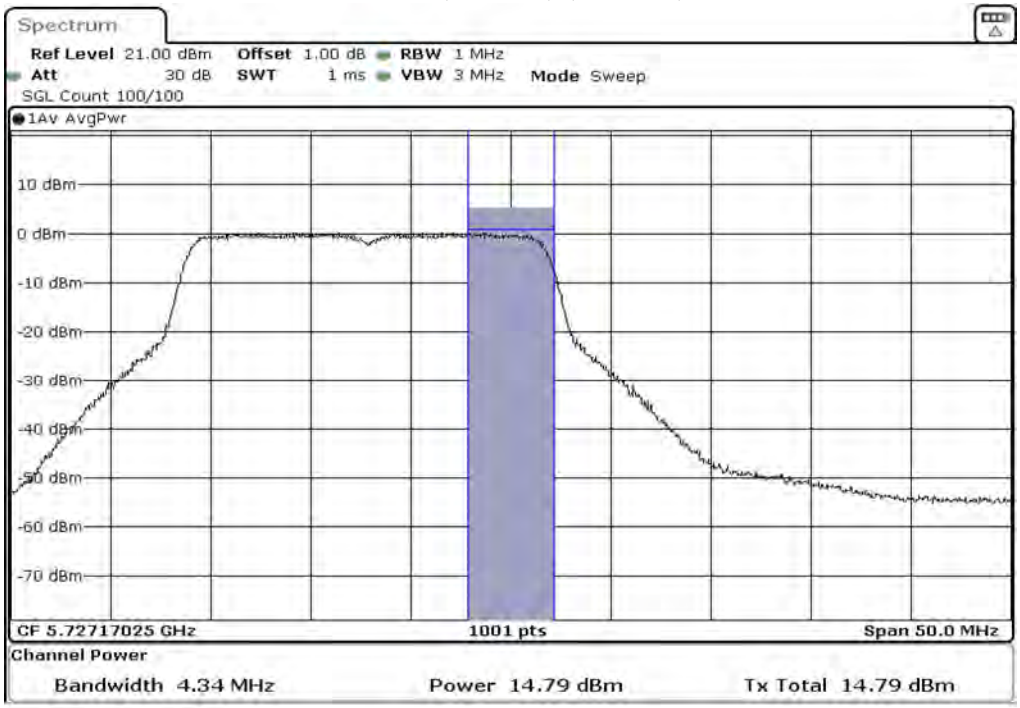
Channel 144 (U-NII-2C) (Chain B)



Date: 22.MAR.2021 15:27:52

Maximum conducted output power:

Channel 144 (U-NII-3) (Chain B)



Date: 22.MAR.2021 15:28:15

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
Test Mode : Mode 12 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	14.58	--	--	--	--	--	--	--
46	5230	18.26	18.23	18.14	18.08	17.98	17.93	17.88	17.84
54	5270	16.85	--	--	--	--	--	--	--
62	5310	14.89	14.81	14.77	14.7	14.64	14.54	14.5	14.42
102	5510	16.48	--	--	--	--	--	--	--
110	5550	19.69	19.6	19.53	19.5	19.46	19.36	19.28	19.25
134	5670	16.51	--	--	--	--	--	--	--
142(U-NII-2C)	5710	18.38	18.33	18.27	18.23	18.19	18.11	18.03	17.95
142(U-NII-3)	5710	8.32	8.24	8.18	8.13	8.06	8.01	7.98	7.89
151	5755	19.08	--	--	--	--	--	--	--
159	5795	20.11	20.08	20.02	19.95	19.85	19.81	19.71	19.62

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	14.54	--	--	--	--	--	--	--
46	5230	18	17.96	17.88	17.82	17.78	17.68	17.63	17.6
54	5270	17.66	--	--	--	--	--	--	--
62	5310	14.98	14.94	14.86	14.76	14.68	14.62	14.52	14.46
102	5510	16.6	--	--	--	--	--	--	--
110	5550	20.85	20.81	20.74	20.7	20.66	20.61	20.53	20.44
134	5670	16.39	--	--	--	--	--	--	--
142(U-NII-2C)	5710	20.29	20.2	20.17	20.12	20.08	20.04	19.96	19.86
142(U-NII-3)	5710	10.3	10.21	10.18	10.08	9.99	9.89	9.86	9.76
151	5755	18.23	--	--	--	--	--	--	--
159	5795	19.54	19.47	19.38	19.28	19.24	19.15	19.08	18.99

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

Maximum conducted output power Measurement:

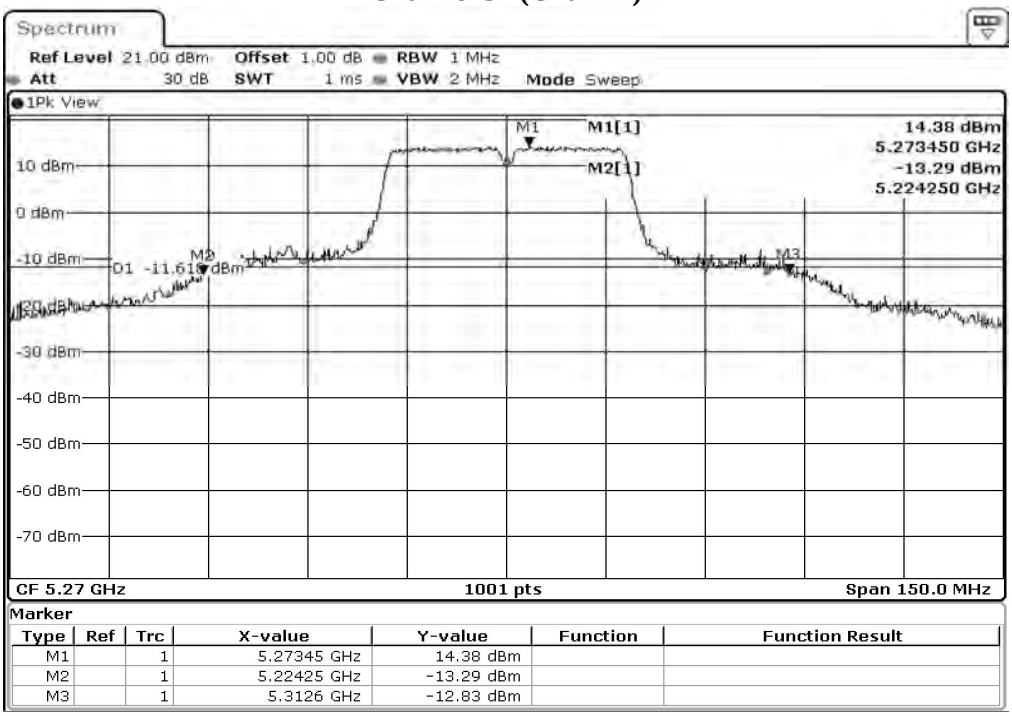
Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
38	5190	--	14.58	14.54	17.57	24	--	Pass
46	5230	--	18.26	18.00	21.14	24	--	Pass
54	5270	77.70	16.85	17.66	20.28	24	29.90	Pass
62	5310	43.20	14.89	14.98	17.95	24	27.35	Pass
102	5510	44.70	16.48	16.60	19.55	24	27.50	Pass
110	5550	46.90	19.69	20.85	23.32	24	27.71	Pass
134	5670	44.80	16.51	16.39	19.46	24	27.51	Pass
142(U-NII-2C)	5710	36.80	18.38	20.29	22.45	24	26.66	Pass
142(U-NII-3)	5710	--	8.32	10.30	12.43	30	--	Pass
151	5755	--	19.08	18.23	21.69	30	--	Pass
159	5795	--	20.11	19.54	22.84	30	--	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.

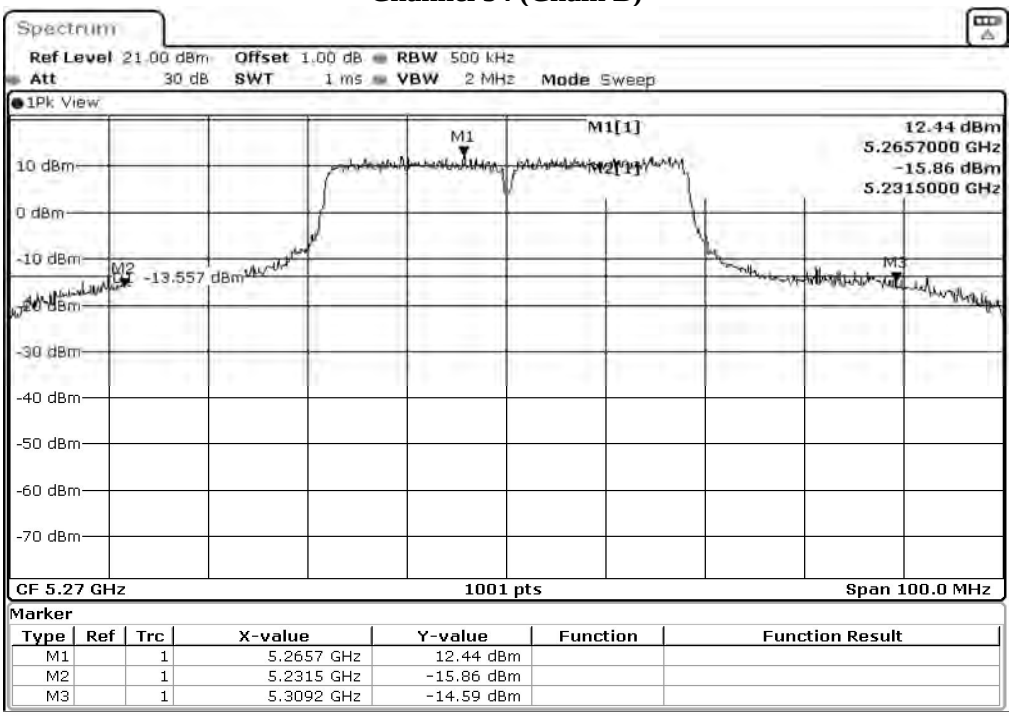
26dB Occupied Bandwidth:

Channel 54 (Chain A)



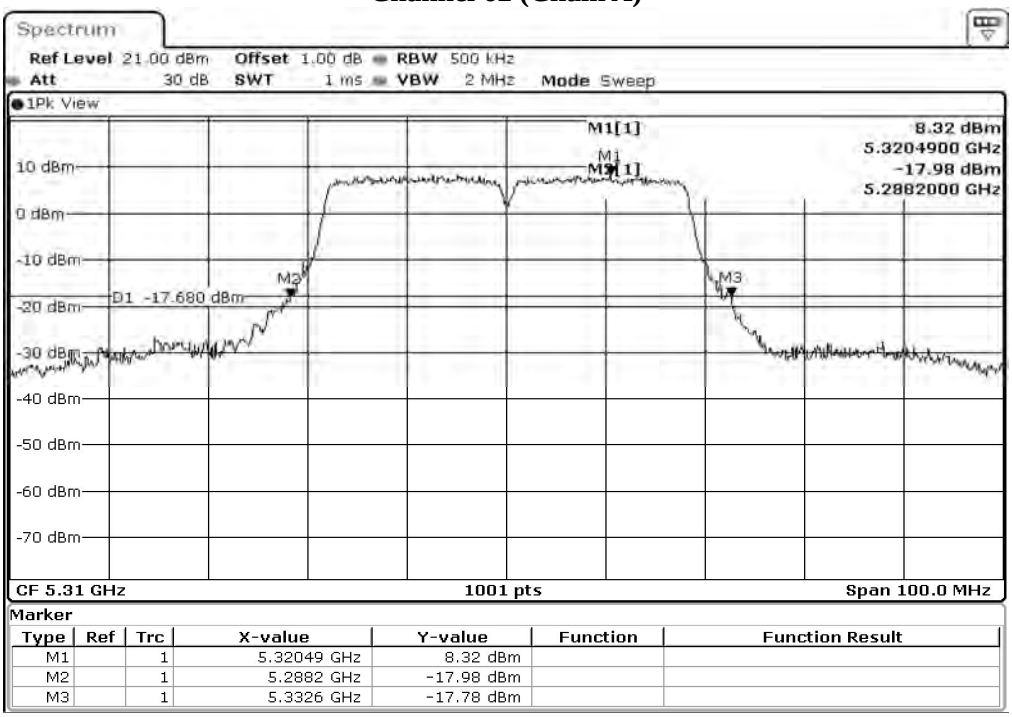
Date: 22.MAR.2021 23:57:49

Channel 54 (Chain B)



Date: 22.MAR.2021 15:59:45

Channel 62 (Chain A)

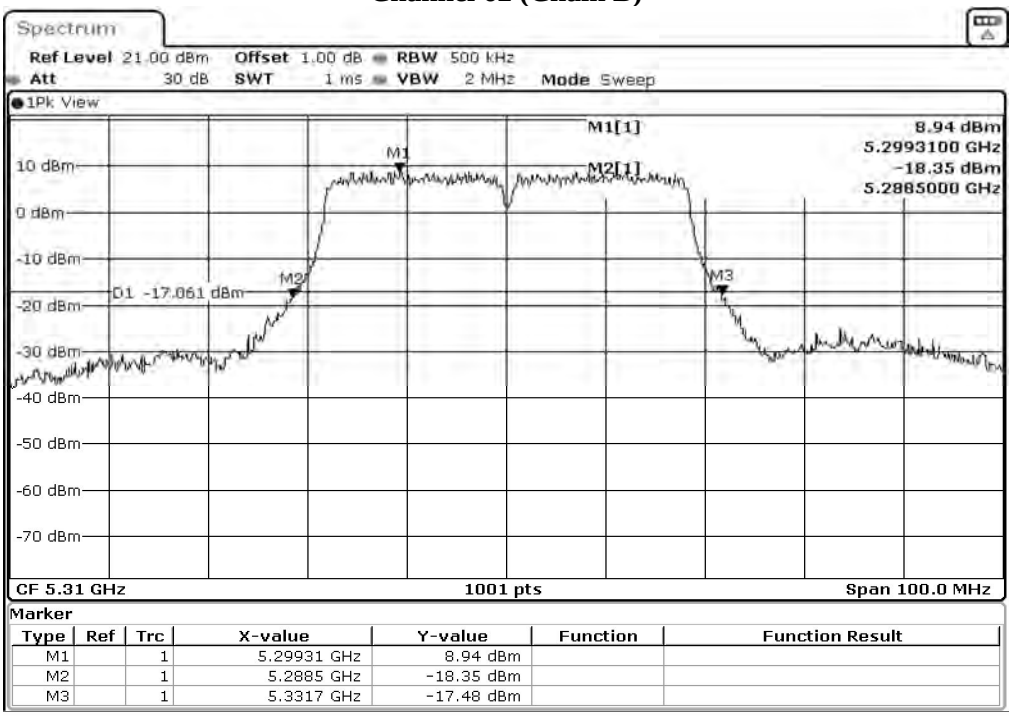


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.32049 GHz	8.32 dBm		
M2		1	5.2882 GHz	-17.98 dBm		
M3		1	5.3326 GHz	-17.78 dBm		

Date: 22.MAR.2021 23:58:56

Channel 62 (Chain B)

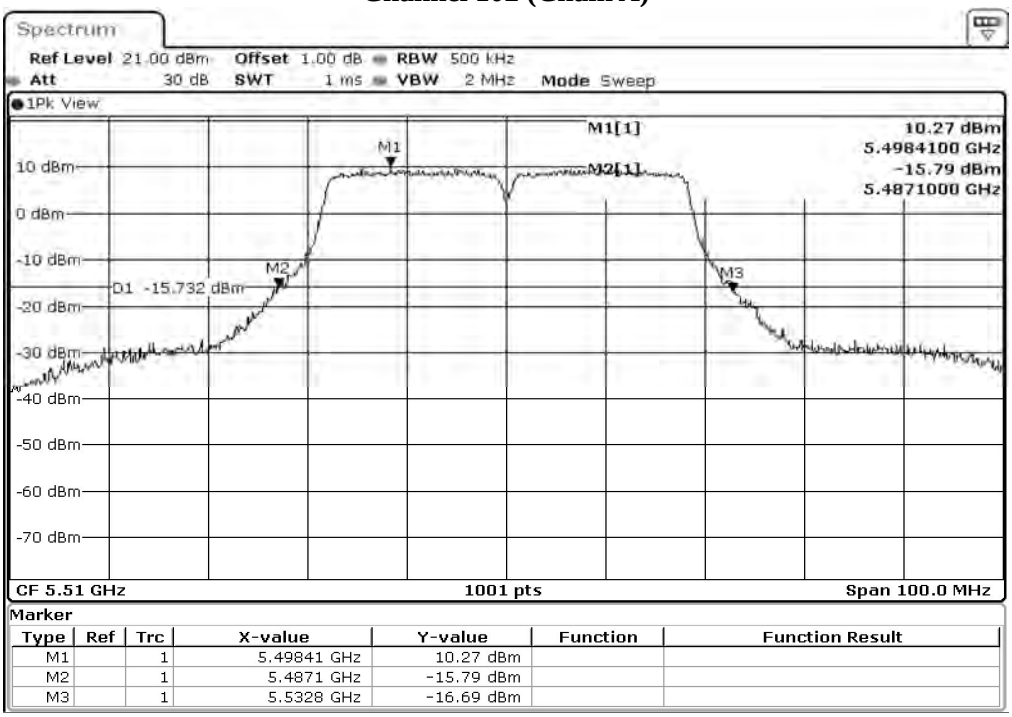


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.29931 GHz	8.94 dBm		
M2		1	5.2885 GHz	-18.35 dBm		
M3		1	5.3317 GHz	-17.48 dBm		

Date: 22.MAR.2021 16:01:09

Channel 102 (Chain A)

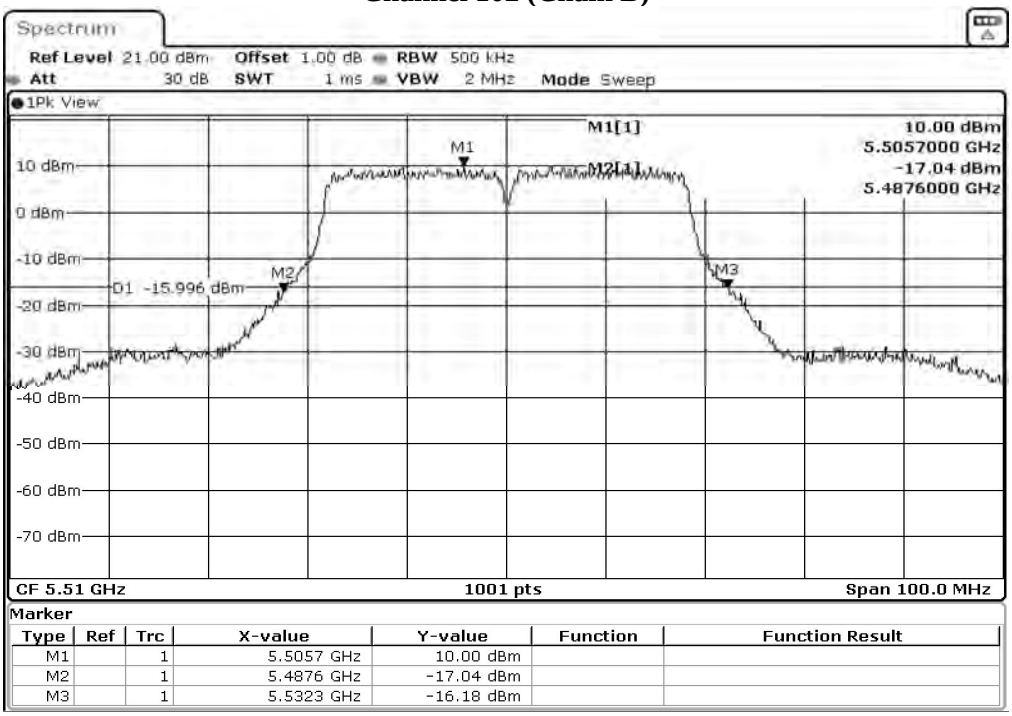


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.49841 GHz	10.27 dBm		
M2		1	5.4871 GHz	-15.79 dBm		
M3		1	5.5328 GHz	-16.69 dBm		

Date: 23.MAR.2021 00:00:04

Channel 102 (Chain B)

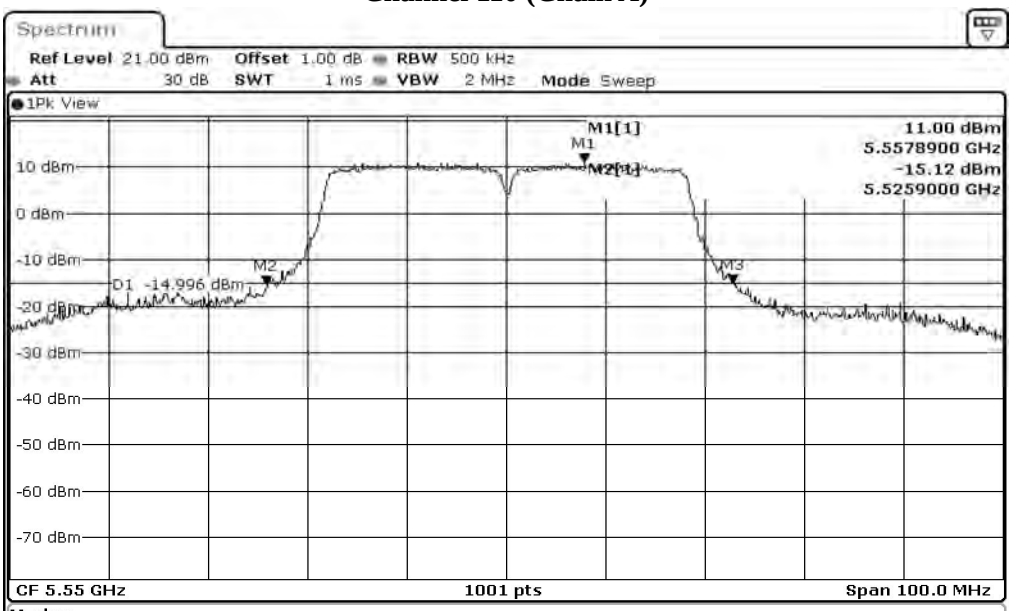


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.5057 GHz	10.00 dBm		
M2		1	5.4876 GHz	-17.04 dBm		
M3		1	5.5323 GHz	-16.18 dBm		

Date: 22.MAR.2021 16:02:16

Channel 110 (Chain A)

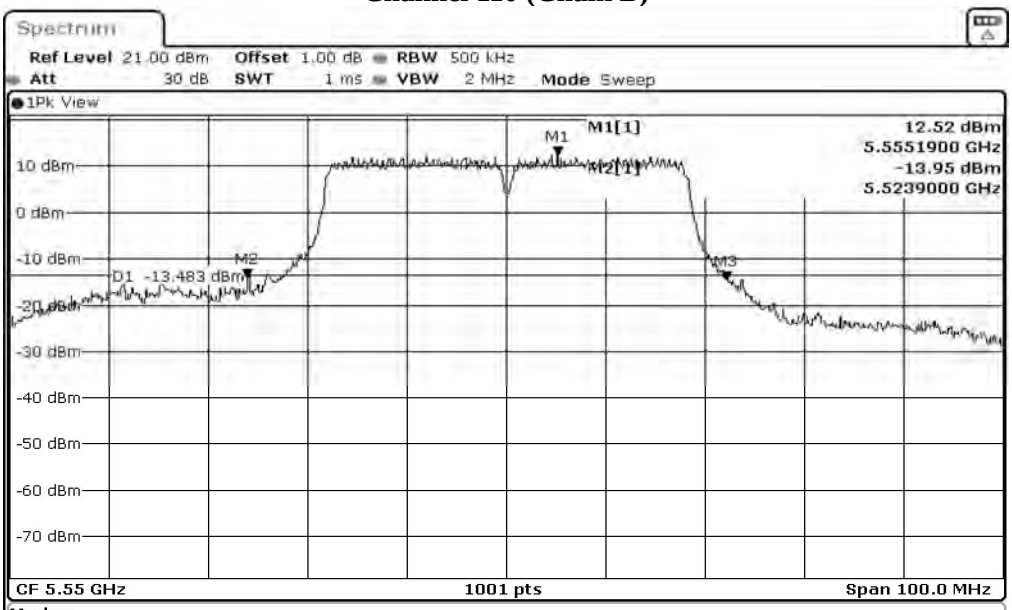


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.55789 GHz	11.00 dBm		
M2		1	5.5259 GHz	-15.12 dBm		
M3		1	5.5728 GHz	-15.00 dBm		

Date: 23.MAR.2021 00:07:50

Channel 110 (Chain B)

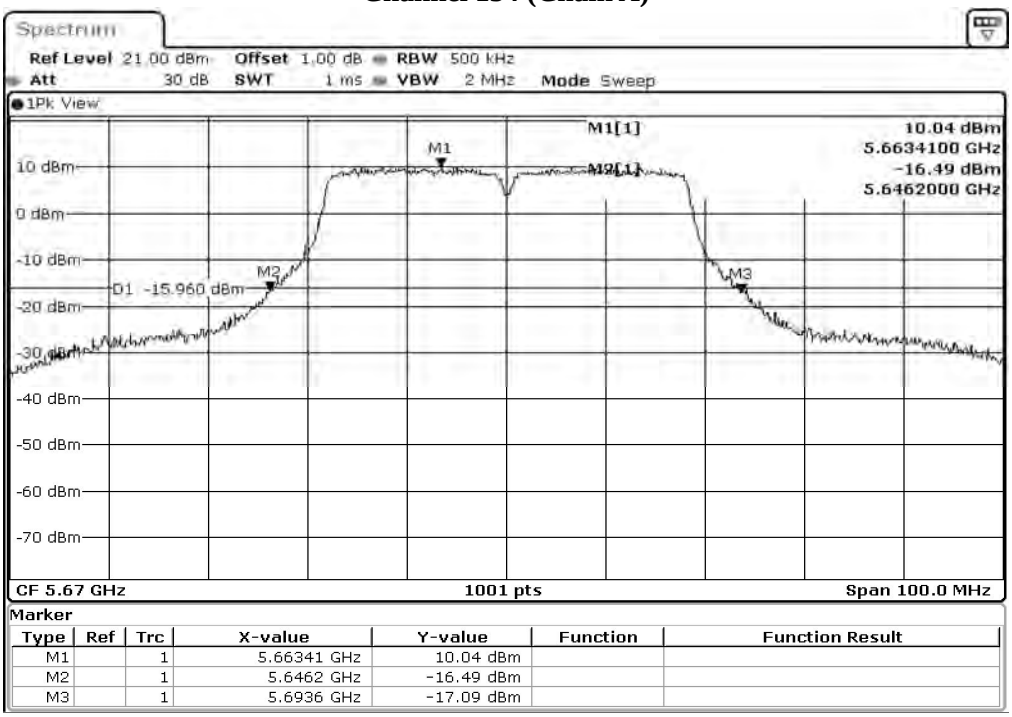


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.55519 GHz	12.52 dBm		
M2		1	5.5239 GHz	-13.95 dBm		
M3		1	5.5721 GHz	-14.53 dBm		

Date: 22.MAR.2021 16:10:02

Channel 134 (Chain A)

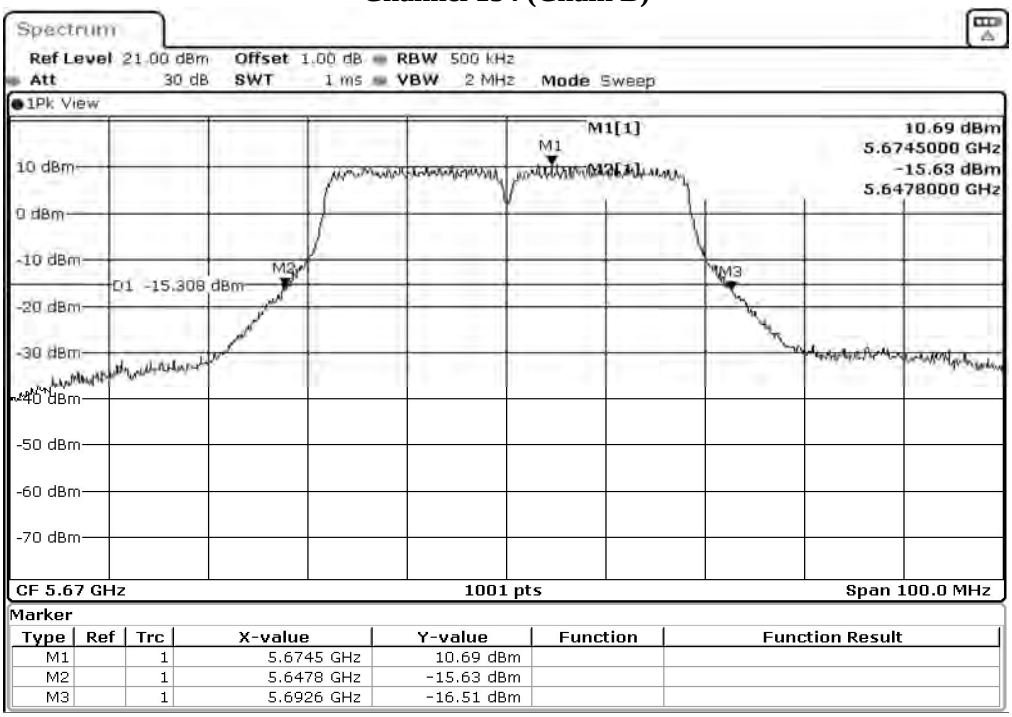


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.66341 GHz	10.04 dBm		
M2		1	5.6462 GHz	-16.49 dBm		
M3		1	5.6936 GHz	-17.09 dBm		

Date: 23.MAR.2021 00:09:03

Channel 134 (Chain B)

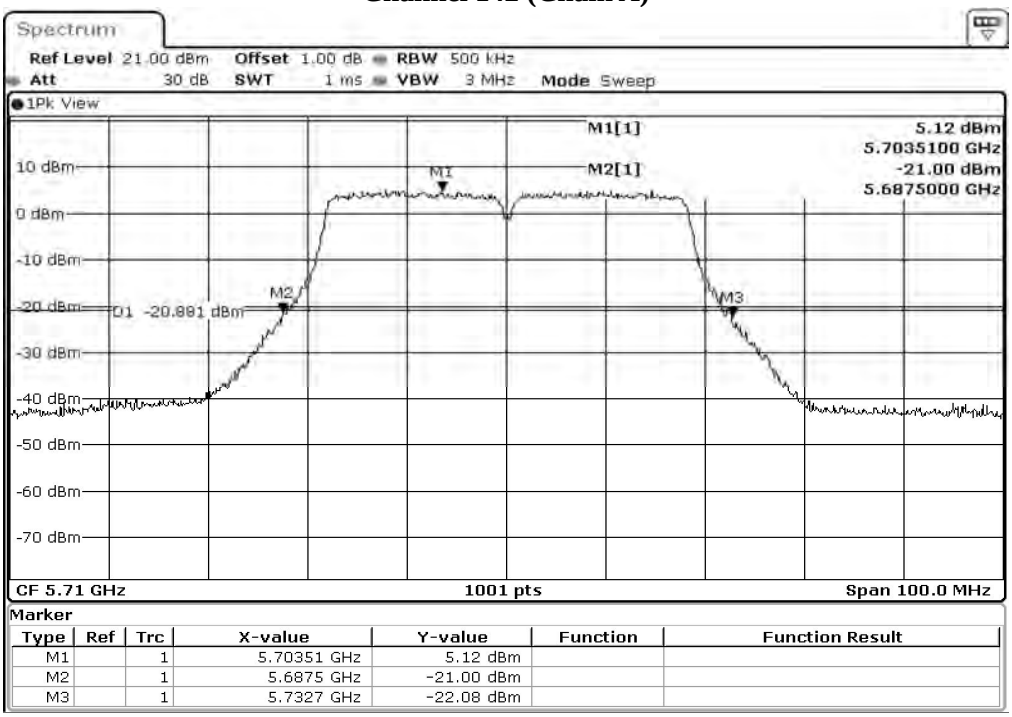


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.6745 GHz	10.69 dBm		
M2		1	5.6478 GHz	-15.63 dBm		
M3		1	5.6926 GHz	-16.51 dBm		

Date: 22.MAR.2021 16:11:15

Channel 142 (Chain A)

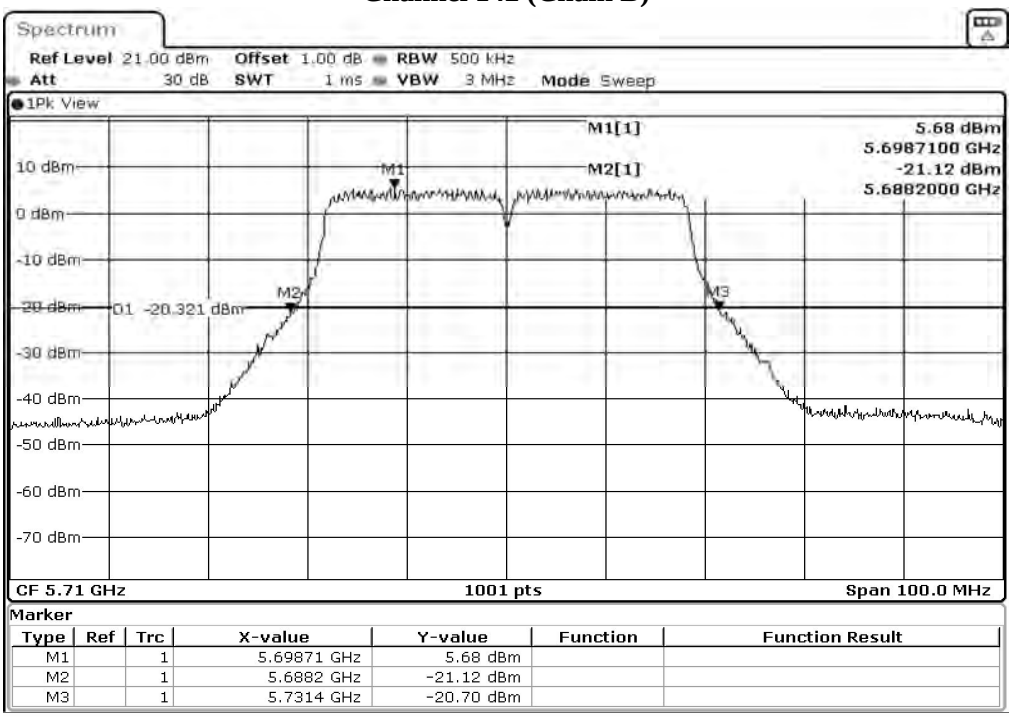


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.70351 GHz	5.12 dBm		
M2		1	5.6875 GHz	-21.00 dBm		
M3		1	5.7327 GHz	-22.08 dBm		

Date: 22.MAR.2021 23:37:08

Channel 142 (Chain B)



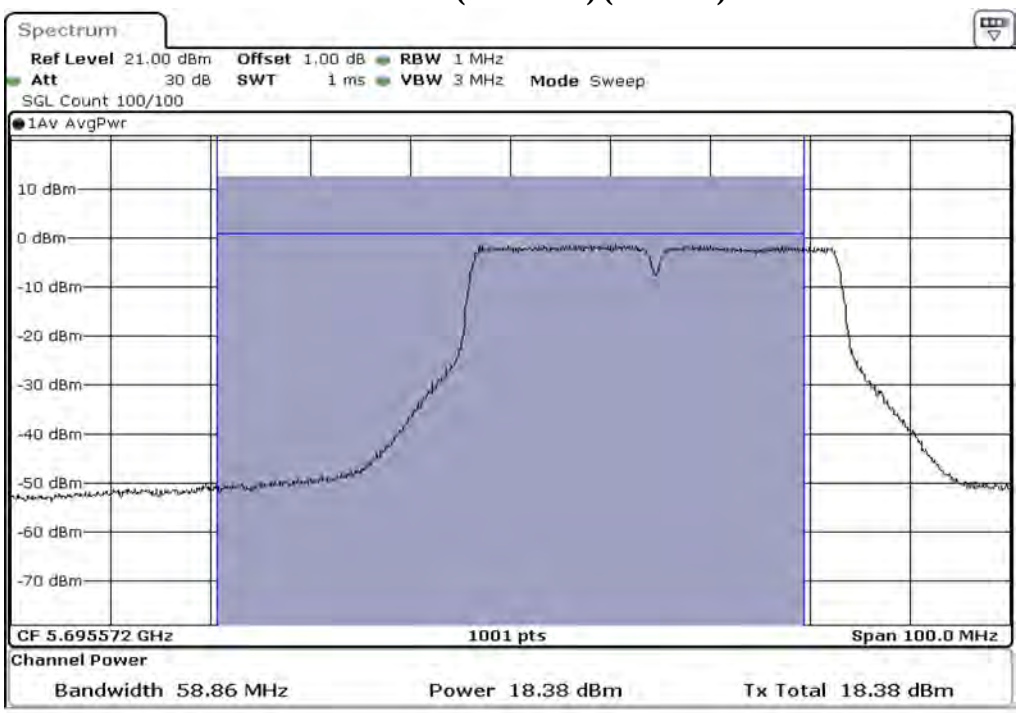
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.69871 GHz	5.68 dBm		
M2		1	5.6882 GHz	-21.12 dBm		
M3		1	5.7314 GHz	-20.70 dBm		

Date: 22.MAR.2021 15:39:20

Maximum conducted output power:

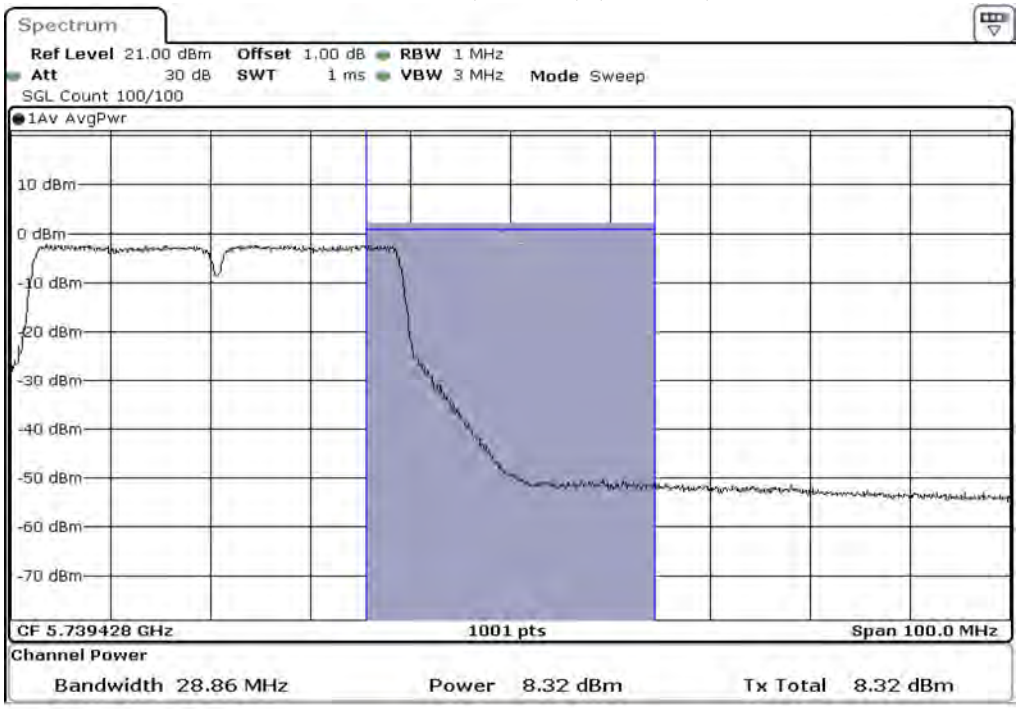
Channel 142 (U-NII-2C) (Chain A)



Date: 22.MAR.2021 23:37:32

Maximum conducted output power:

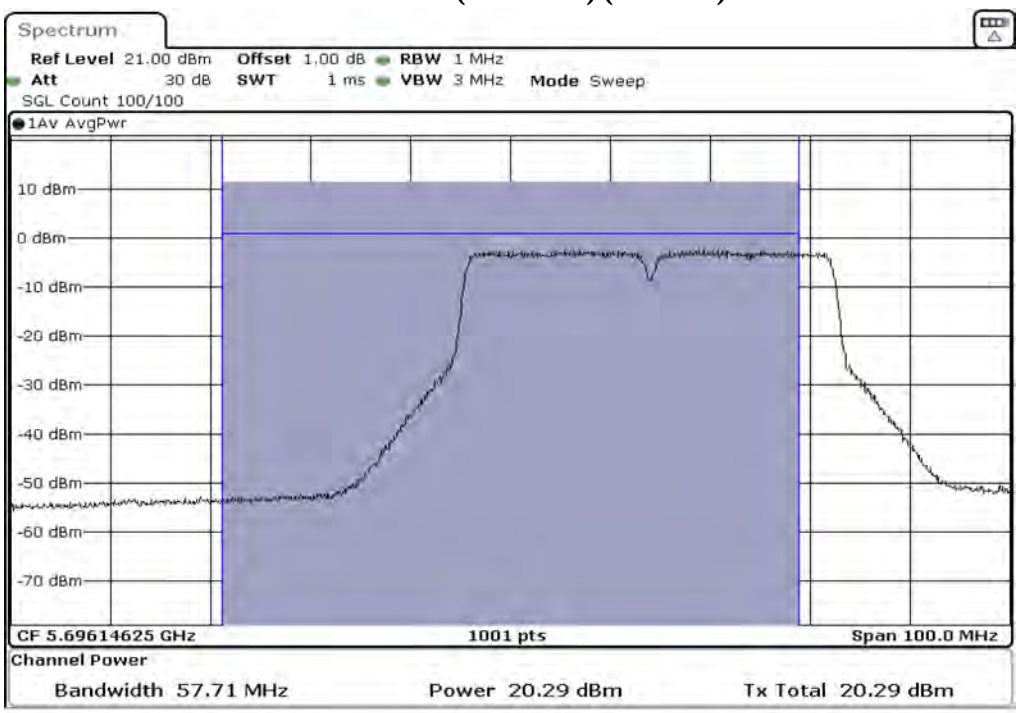
Channel 142 (U-NII-3) (Chain A)



Date: 22.MAR.2021 23:37:55

Maximum conducted output power:

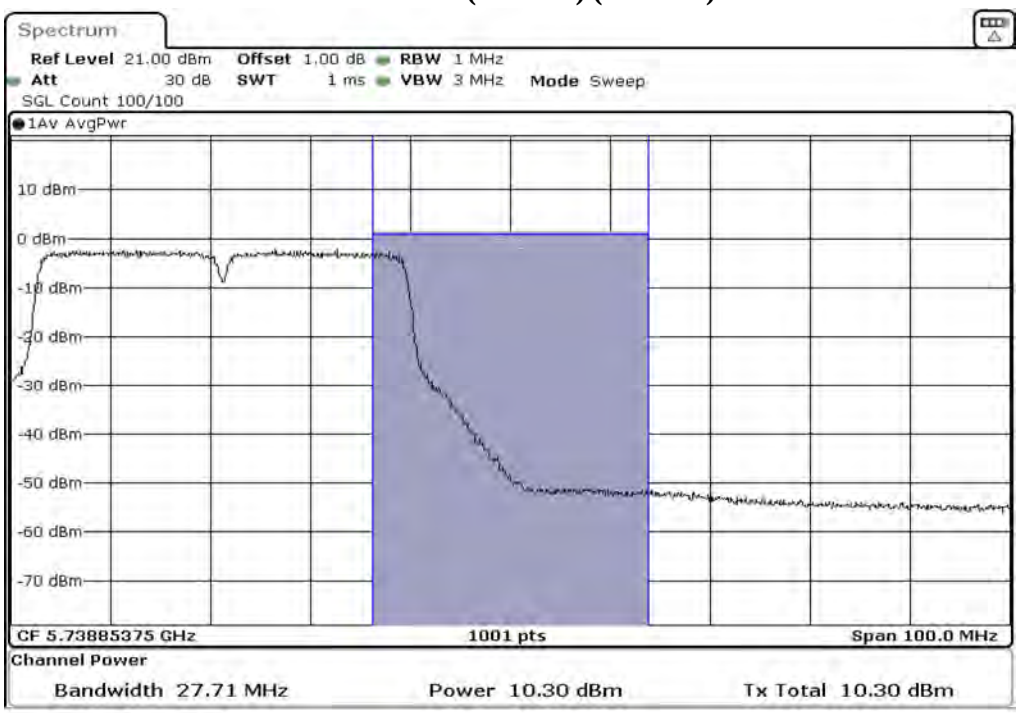
Channel 142 (U-NII-2C) (Chain B)



Date: 22.MAR.2021 15:39:45

Maximum conducted output power:

Channel 142 (U-NII-3) (Chain B)



Date: 22.MAR.2021 15:40:08

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
Test Mode : Mode 13 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	14.82	14.79	14.73	14.69	14.64	14.59	14.49	14.41	14.36	14.29
58	5290	13.97	13.93	13.85	13.81	13.74	13.67	13.64	13.57	13.5	13.43
106	5530	15.41	--	--	--	--	--	--	--	--	--
122	5610	19.64	19.59	19.51	19.47	19.4	19.32	19.25	19.2	19.12	19.04
138 (U-NII-2C)	5690	19.95	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	3.77	--	--	--	--	--	--	--	--	--
155	5775	18.71	18.65	18.61	18.56	18.51	18.43	18.39	18.36	18.33	18.29

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	13.69	13.59	13.51	13.48	13.44	13.34	13.24	13.16	13.09	13.04
58	5290	14.01	13.97	13.9	13.81	13.74	13.68	13.58	13.48	13.45	13.38
106	5530	15.02	--	--	--	--	--	--	--	--	--
122	5610	20.38	20.3	20.21	20.16	20.11	20.04	19.99	19.95	19.86	19.79
138 (U-NII-2C)	5690	20.88	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	4.53	--	--	--	--	--	--	--	--	--
155	5775	18.37	18.28	18.25	18.2	18.11	18.07	18	17.94	17.85	17.75

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

Maximum conducted output power Measurement:

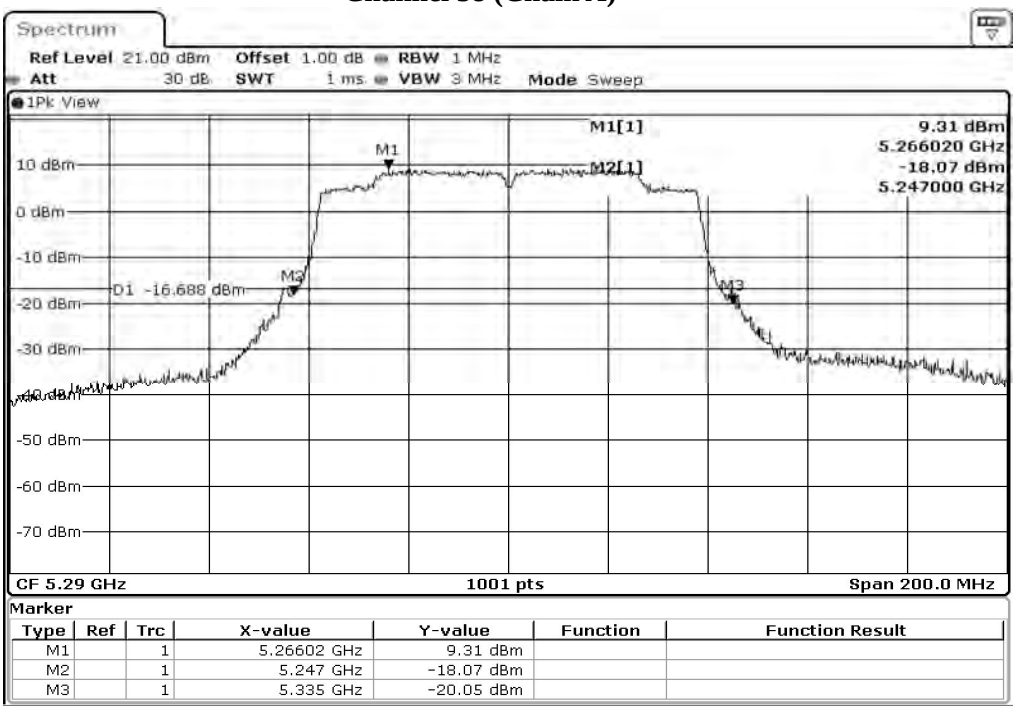
Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
42	5210	--	14.82	13.69	17.30	24	--	Pass
58	5290	85.80	13.97	14.01	17.00	24	--	Pass
106	5530	86.60	15.41	15.02	18.23	24	30.38	Pass
122	5610	141.60	19.64	20.38	23.04	24	32.51	Pass
138 (U-NII-2C)	5690	117.50	19.95	20.88	23.45	24	31.70	Pass
138 (U-NII-3)	5690	--	3.77	4.53	7.18	30	--	Pass
155	5775	--	18.71	18.37	21.55	30	--	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)

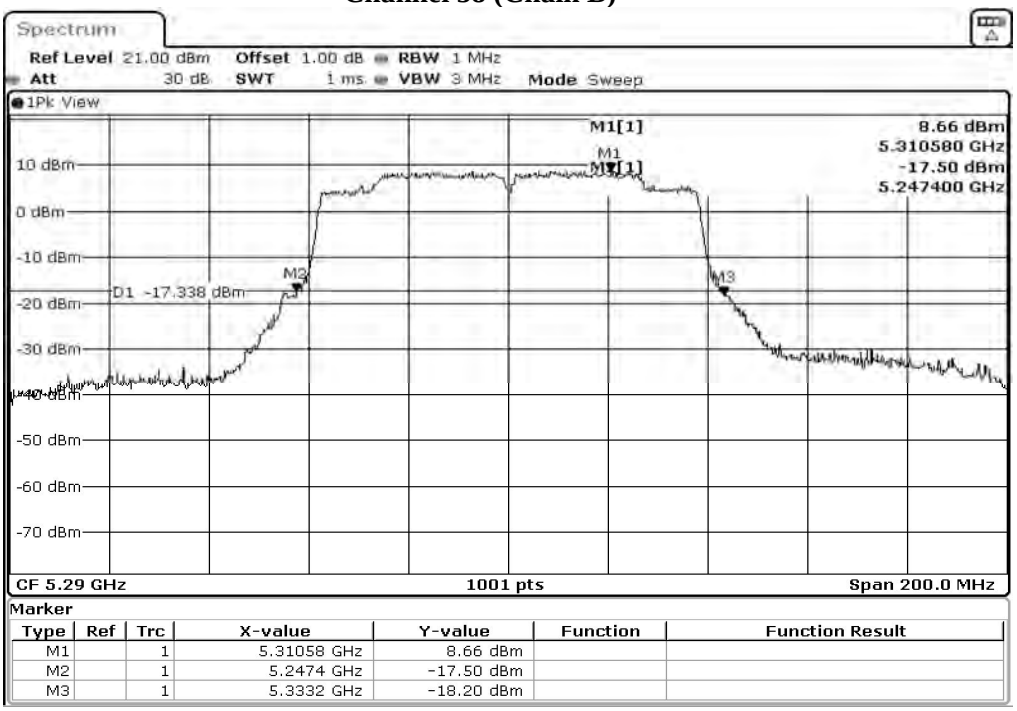


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.26602 GHz	9.31 dBm		
M2		1	5.247 GHz	-18.07 dBm		
M3		1	5.335 GHz	-20.05 dBm		

Date: 22.MAR.2021 23:41:36

Channel 58 (Chain B)

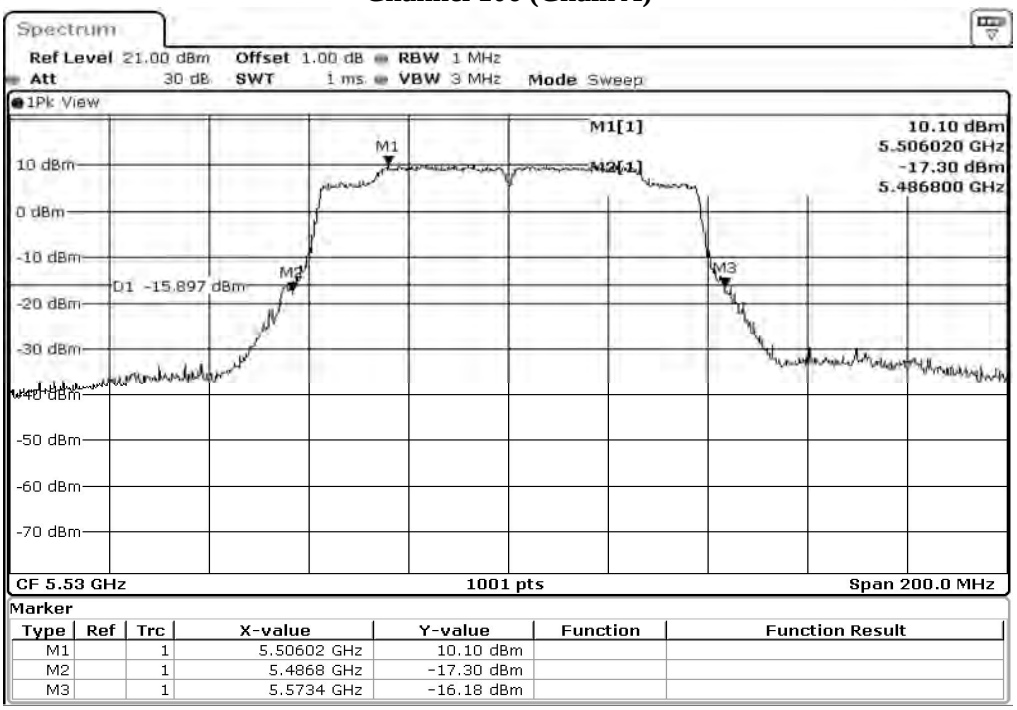


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.31058 GHz	8.66 dBm		
M2		1	5.2474 GHz	-17.50 dBm		
M3		1	5.3332 GHz	-18.20 dBm		

Date: 22.MAR.2021 15:43:48

Channel 106 (Chain A)

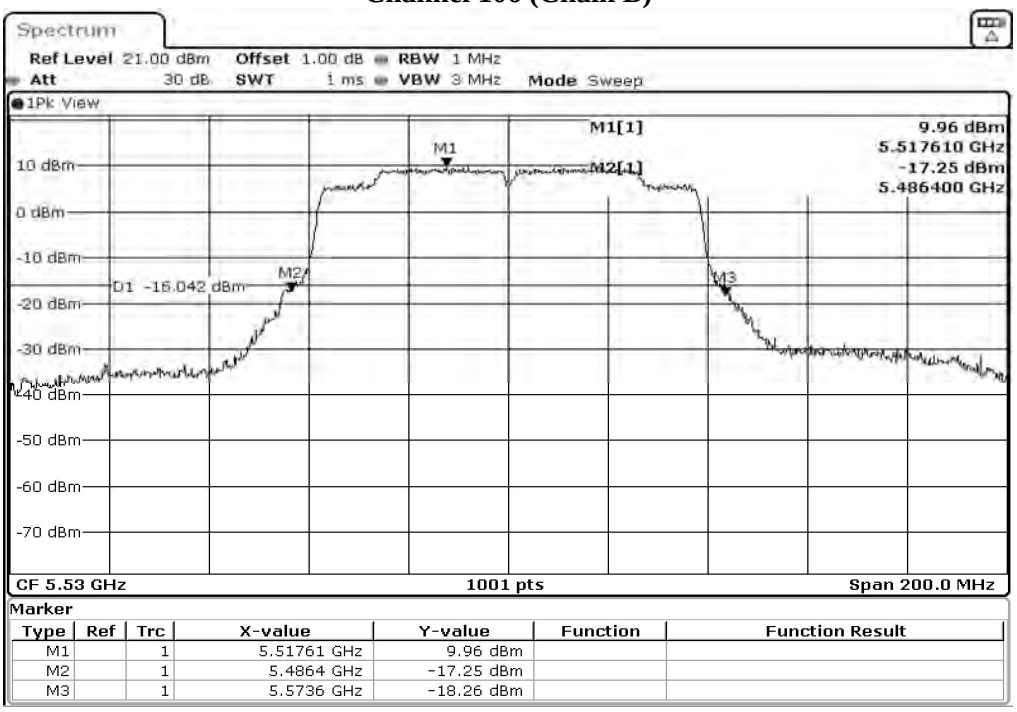


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.50602 GHz	10.10 dBm		
M2		1	5.4868 GHz	-17.30 dBm		
M3		1	5.5734 GHz	-16.18 dBm		

Date: 22.MAR.2021 23:43:10

Channel 106 (Chain B)

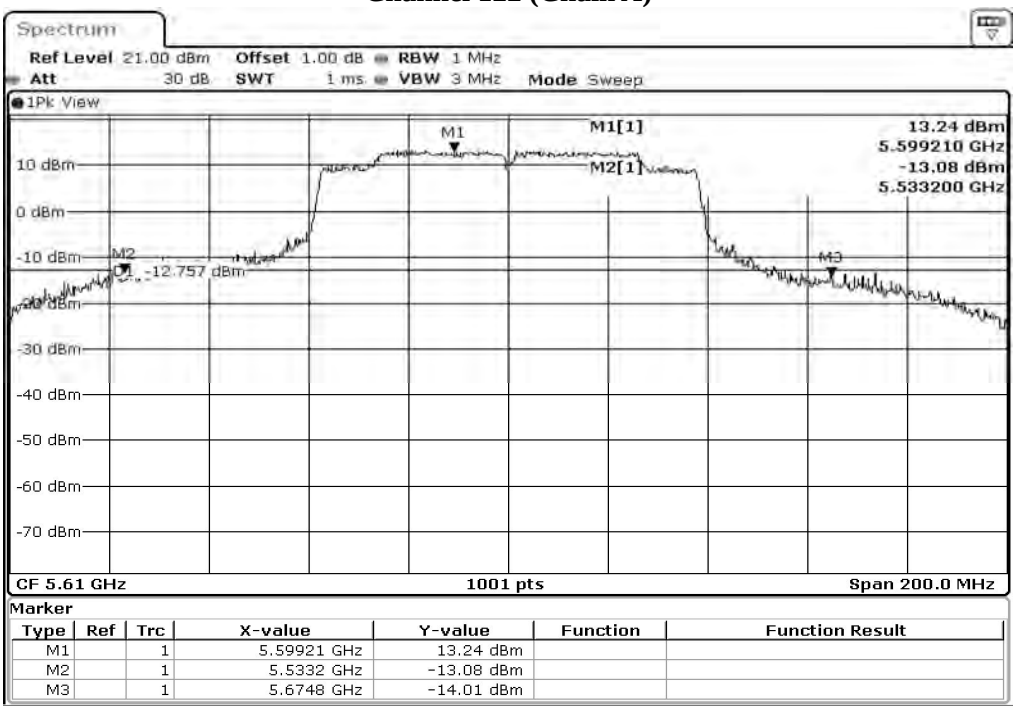


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.51761 GHz	9.96 dBm		
M2		1	5.4864 GHz	-17.25 dBm		
M3		1	5.5736 GHz	-18.26 dBm		

Date: 22.MAR.2021 15:45:22

Channel 122 (Chain A)

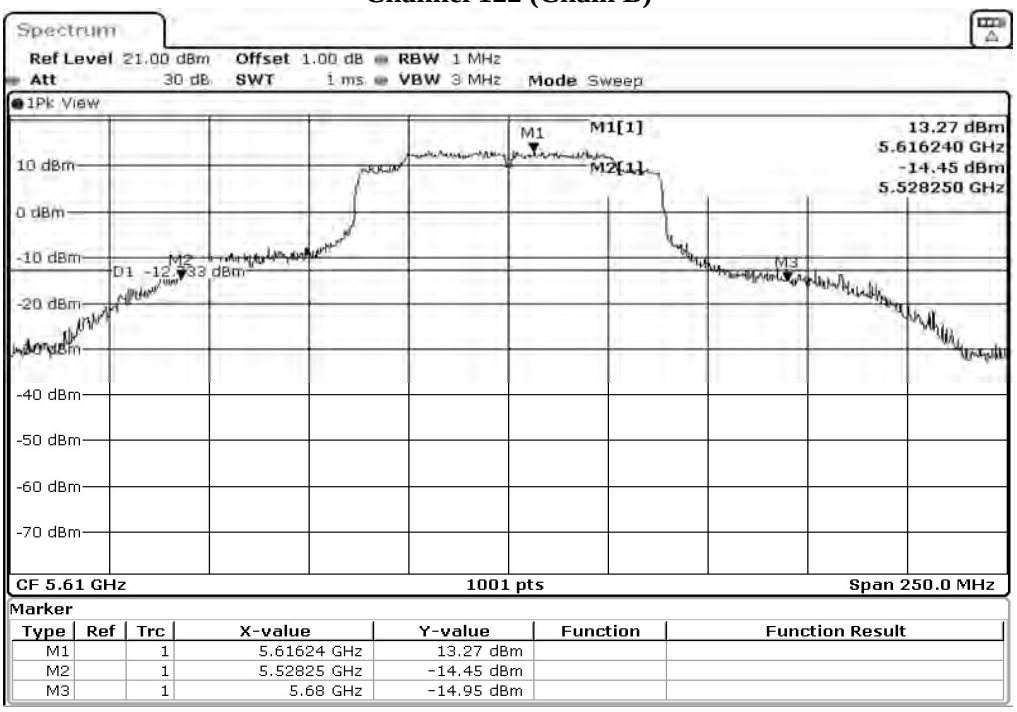


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.59921 GHz	13.24 dBm		
M2		1	5.5332 GHz	-13.08 dBm		
M3		1	5.6748 GHz	-14.01 dBm		

Date: 22.MAR.2021 23:44:49

Channel 122 (Chain B)

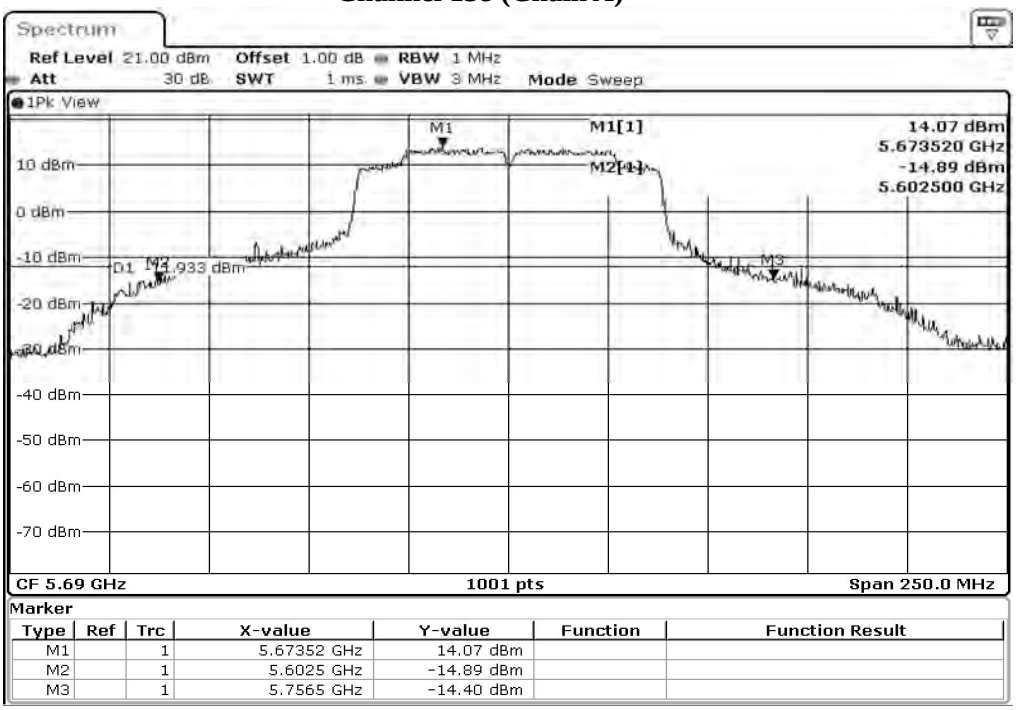


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.61624 GHz	13.27 dBm		
M2		1	5.52825 GHz	-14.45 dBm		
M3		1	5.68 GHz	-14.95 dBm		

Date: 22.MAR.2021 15:47:17

Channel 138 (Chain A)

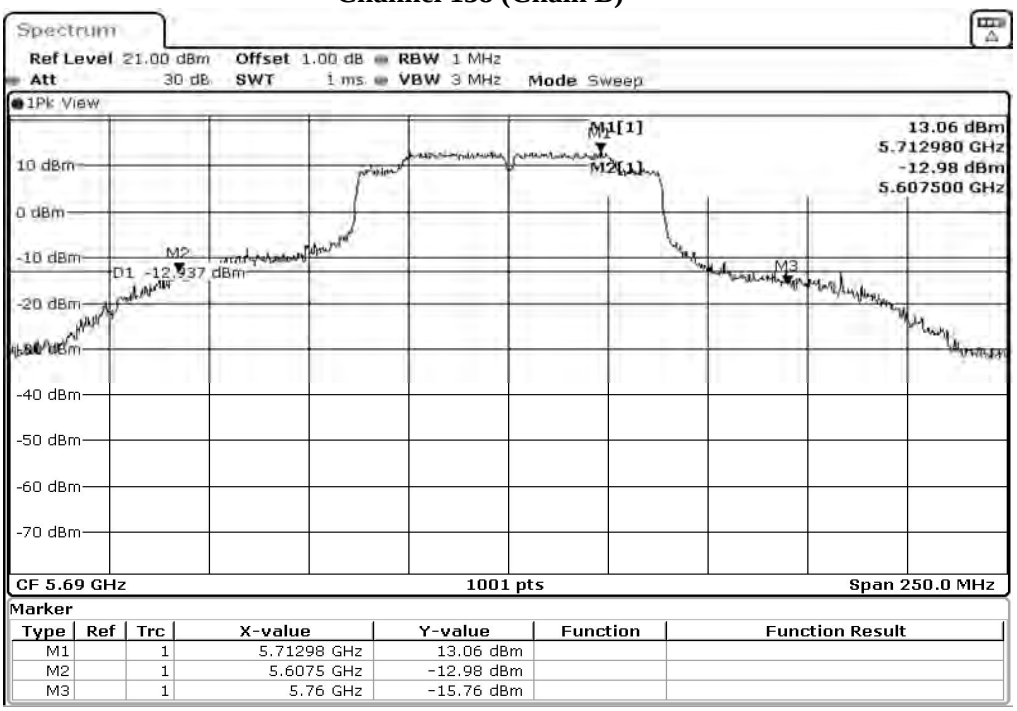


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.67352 GHz	14.07 dBm		
M2		1	5.6025 GHz	-14.89 dBm		
M3		1	5.7565 GHz	-14.40 dBm		

Date: 22.MAR.2021 23:46:27

Channel 138 (Chain B)



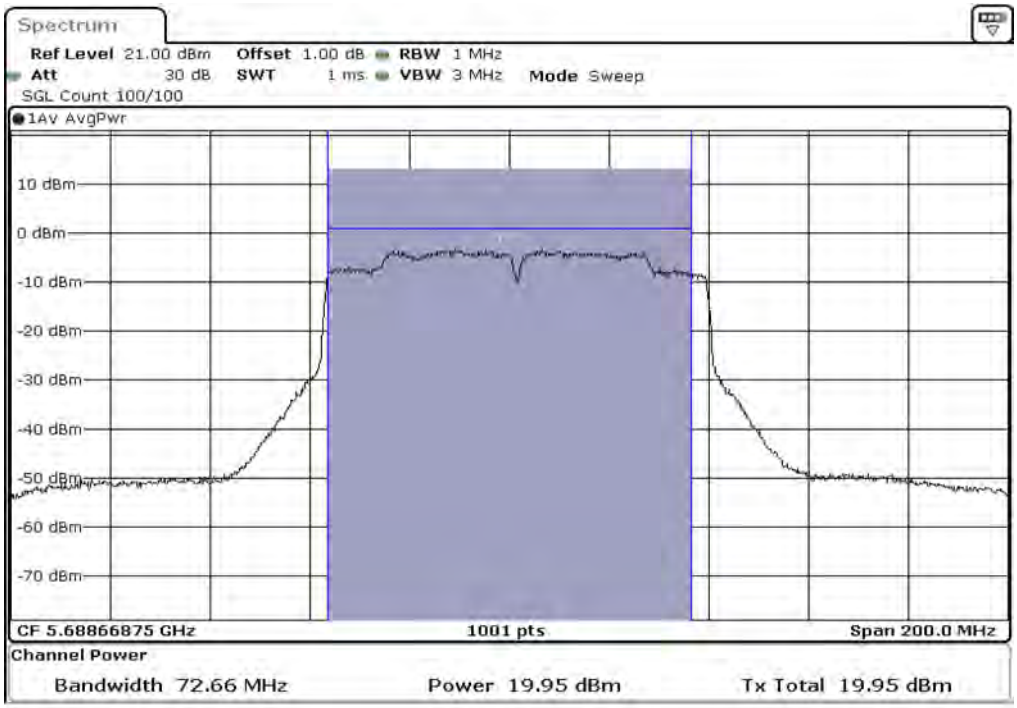
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.71298 GHz	13.06 dBm		
M2		1	5.6075 GHz	-12.98 dBm		
M3		1	5.76 GHz	-15.76 dBm		

Date: 22.MAR.2021 15:48:40

Maximum conducted output power:

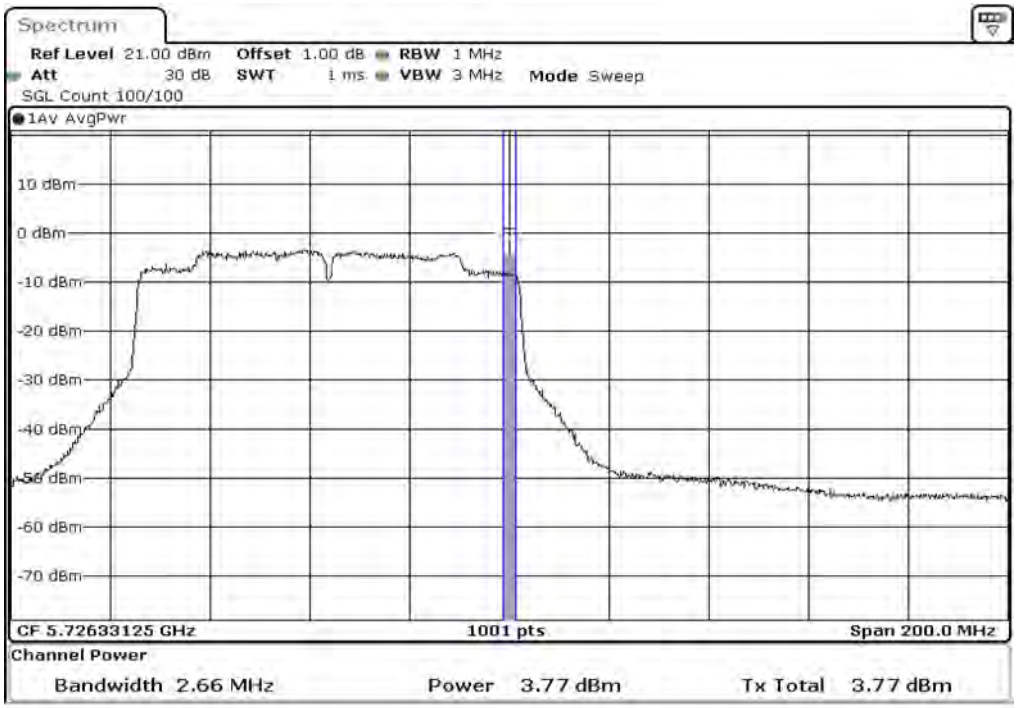
Channel 138 (U-NII-2C) (Chain A)



Date: 23.MAR.2021 00:44:09

Maximum conducted output power:

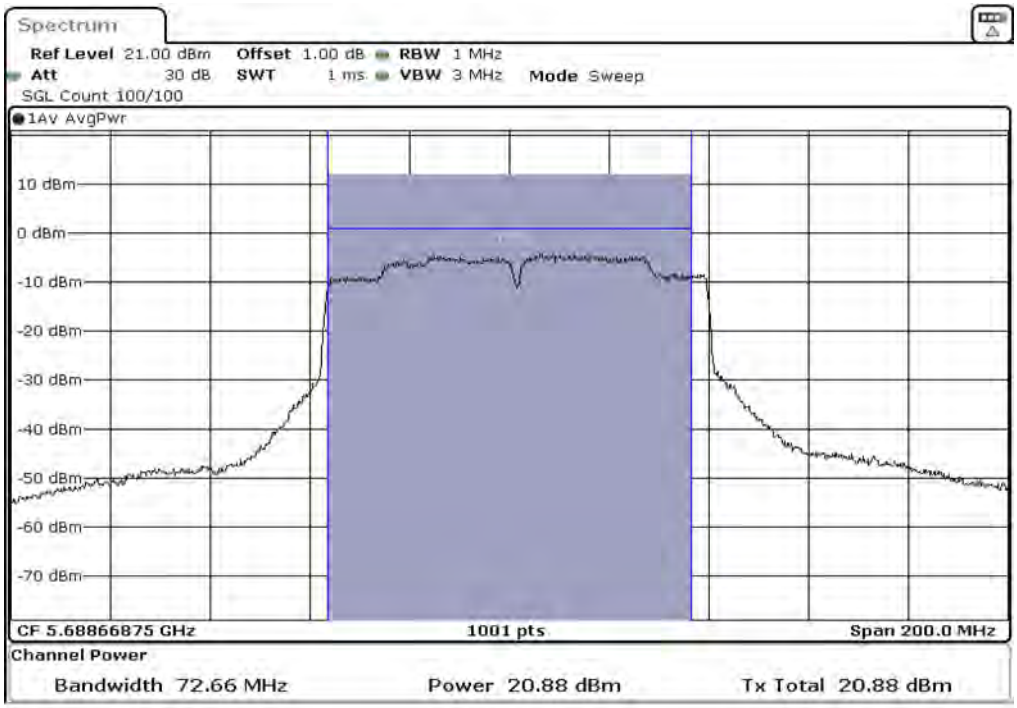
Channel 138 (U-NII-3) (Chain A)



Date: 23.MAR.2021 00:44:31

Maximum conducted output power:

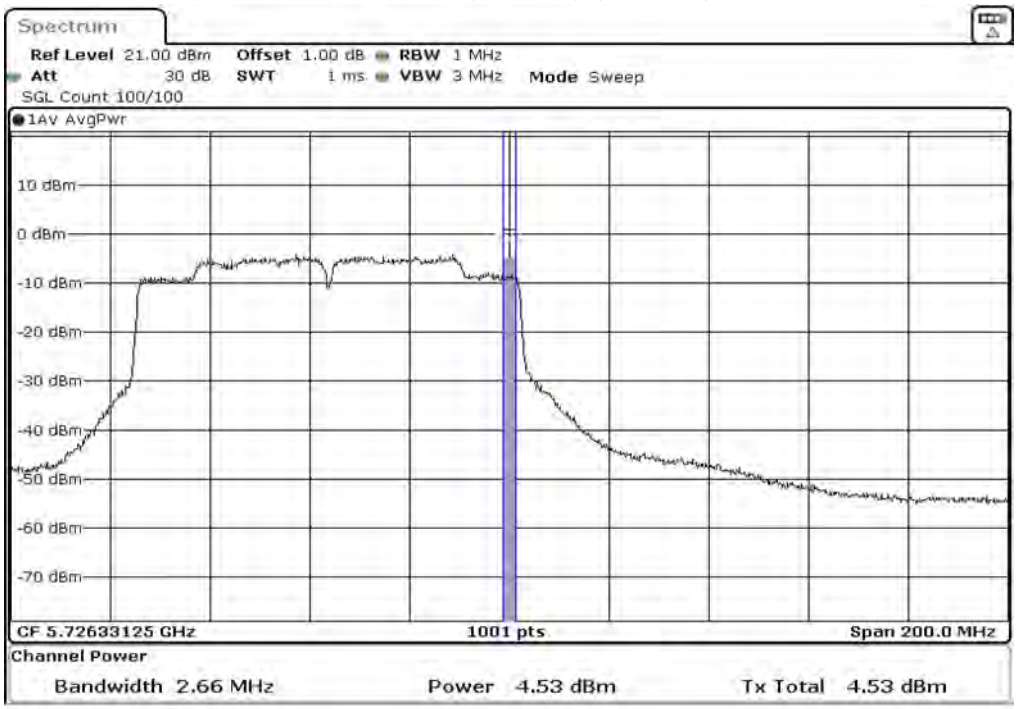
Channel 138 (U-NII-2C) (Chain B)



Date: 22.MAR.2021 16:46:21

Maximum conducted output power:

Channel 138 (U-NII-3) (Chain B)



Date: 22.MAR.2021 16:46:44

Product : Intel® Wireless-AC 9260
Test Item : Maximum conducted output power
Test Date : 2021/03/23
Test Mode : Mode 14 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	7.73	7.63	7.56	7.5	7.46	7.4	7.37	7.27	7.18	7.13
50 (U-NII-2A)	5250	7.96	7.93	7.84	7.77	7.74	7.67	7.57	7.53	7.48	7.45
114	5570	13.4	--	--	--	--	--	--	--	--	--

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	6.77	6.71	6.62	6.57	6.53	6.48	6.38	6.33	6.28	6.23
50 (U-NII-2A)	5250	7.04	7.01	6.98	6.89	6.84	6.74	6.64	6.6	6.52	6.44
114	5570	12.9	--	--	--	--	--	--	--	--	--

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

Maximum conducted output power Measurement:

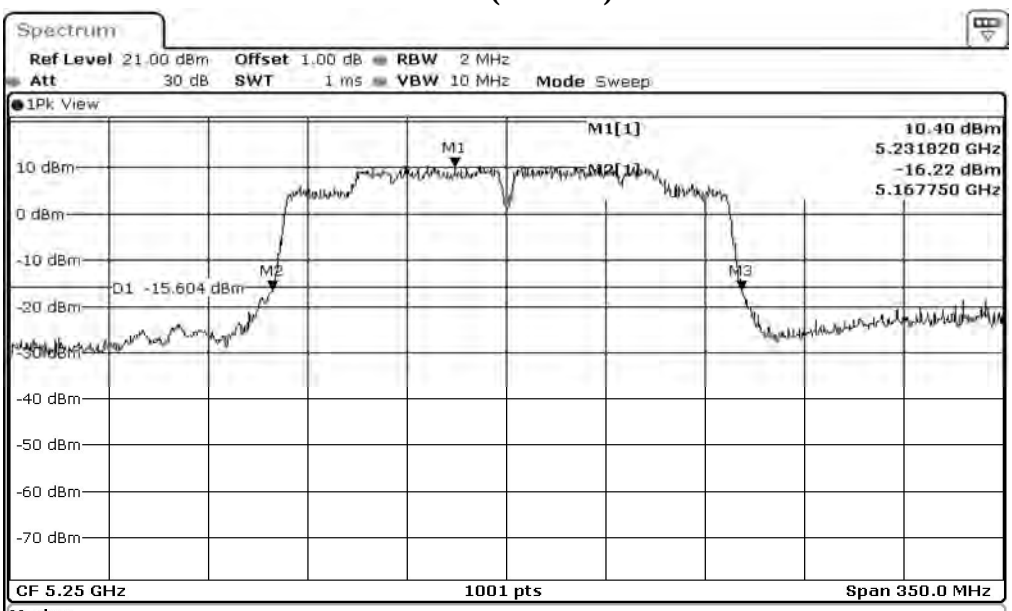
Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
50(U-NII-1)	5250	--	7.73	6.77	10.29	24	--	Pass
50(U-NII-2A)	5250	82.60	7.96	7.04	10.53	24	30.17	Pass
114	5570	164.85	13.40	12.90	16.17	24	33.17	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)

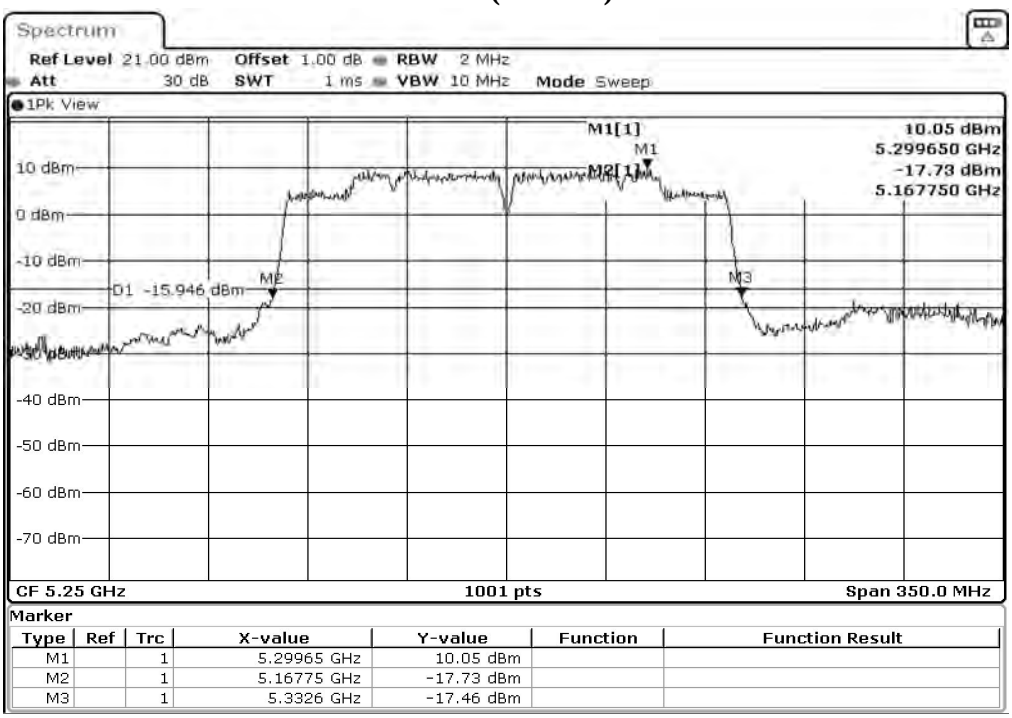


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23182 GHz	10.40 dBm		
M2		1	5.16775 GHz	-16.22 dBm		
M3		1	5.33295 GHz	-16.15 dBm		

Date: 22.MAR.2021 23:20:30

Channel 50 (Chain B)

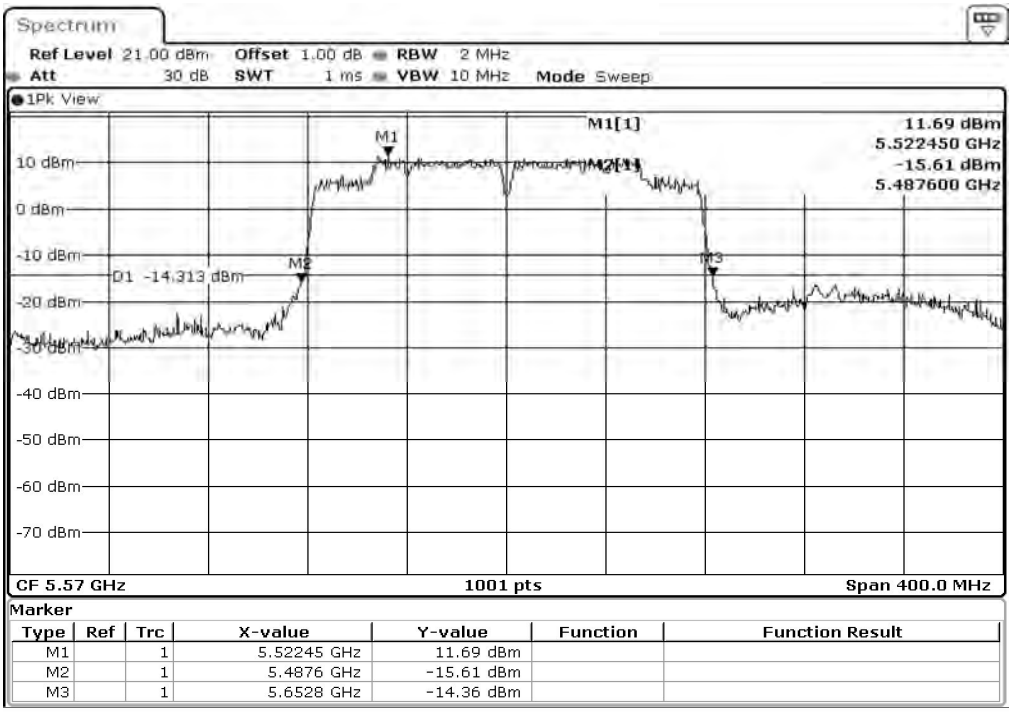


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.29965 GHz	10.05 dBm		
M2		1	5.16775 GHz	-17.73 dBm		
M3		1	5.3326 GHz	-17.46 dBm		

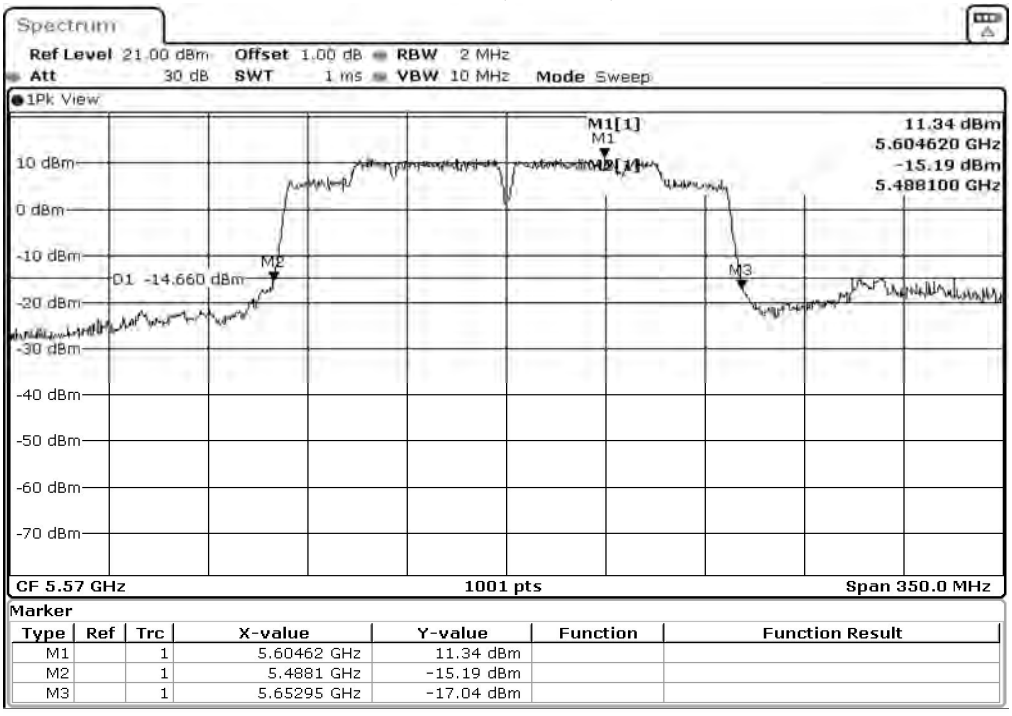
Date: 22.MAR.2021 15:22:43

Channel 114 (Chain A)



Date: 22.MAR.2021 23:23:01

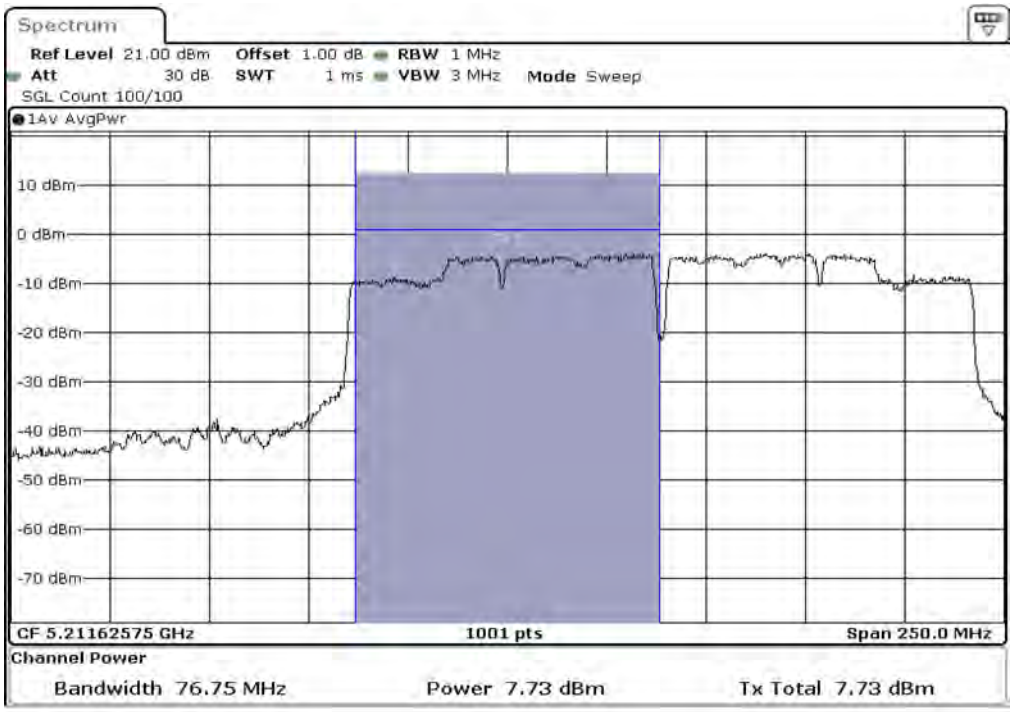
Channel 114 (Chain B)



Date: 22.MAR.2021 15:24:58

Maximum conducted output power:

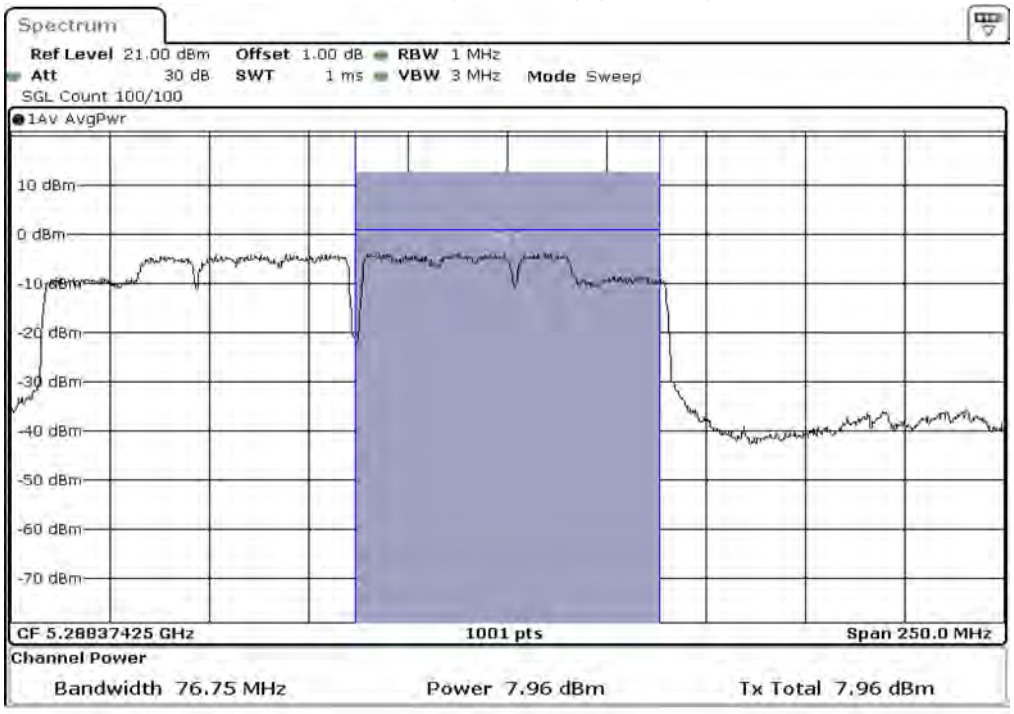
Channel 50 (U-NII-1) (Chain A)



Date: 22.MAR.2021 23:20:55

Maximum conducted output power:

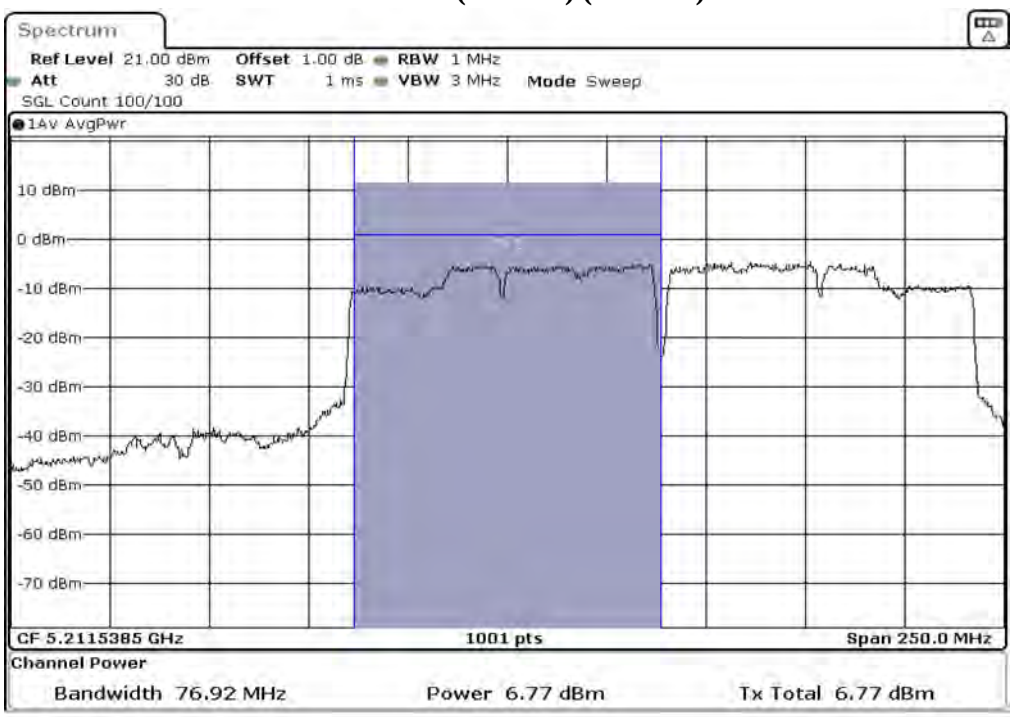
Channel 50 (U-NII-2A) (Chain A)



Date: 22.MAR.2021 23:21:18

Maximum conducted output power:

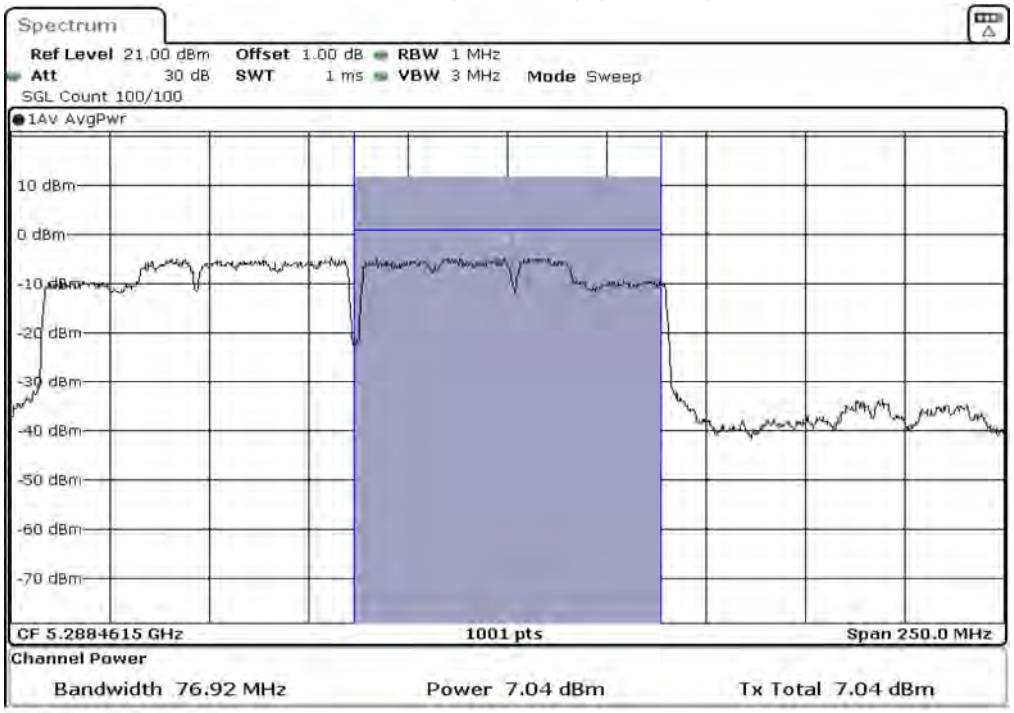
Channel 50 (U-NII-1) (Chain B)



Date: 22.MAR.2021 15:23:08

Maximum conducted output power:

Channel 50 (U-NII-2A) (Chain B)

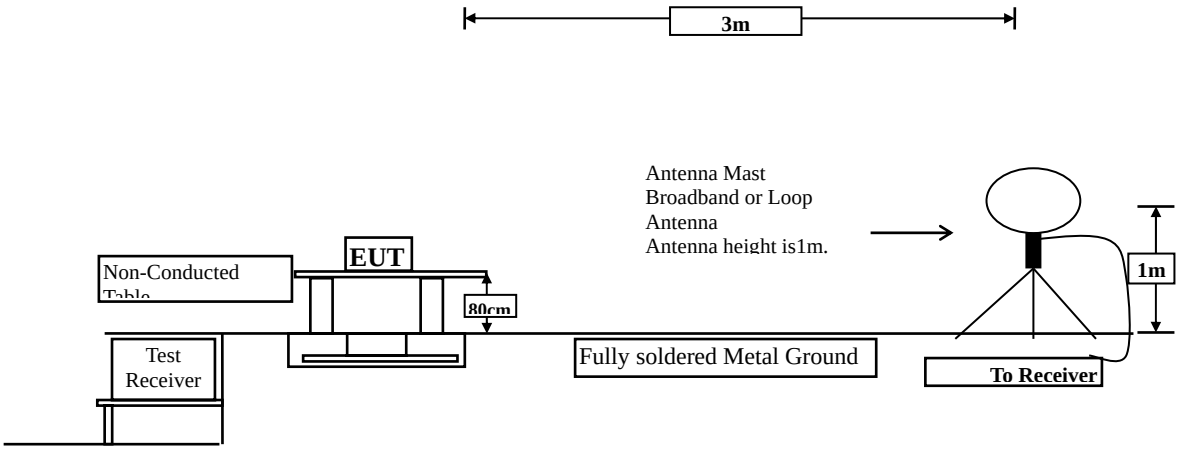


Date: 22.MAR.2021 15:23:30

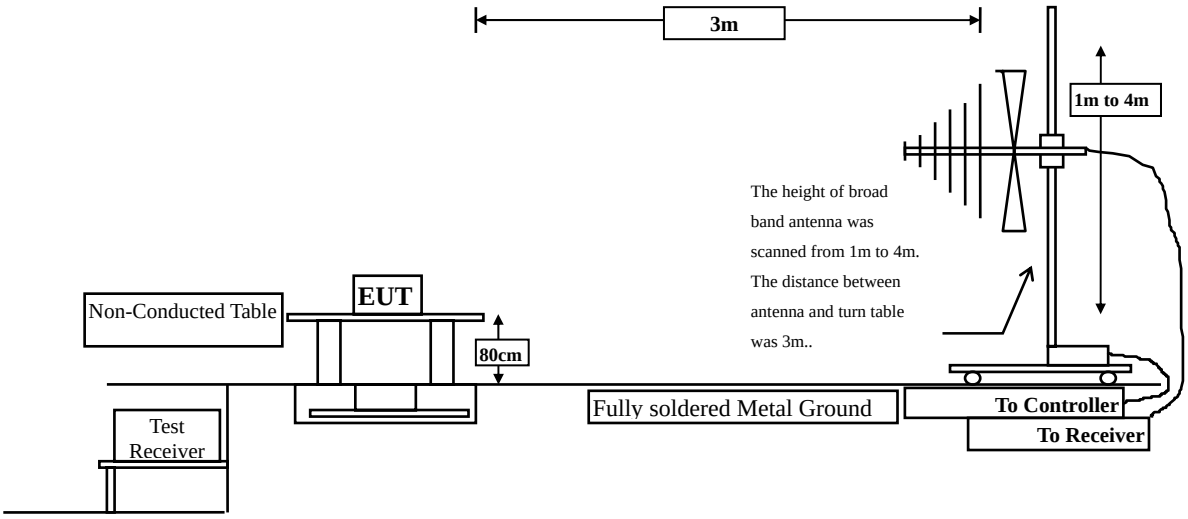
3. Radiated Emission

3.1. Test Setup

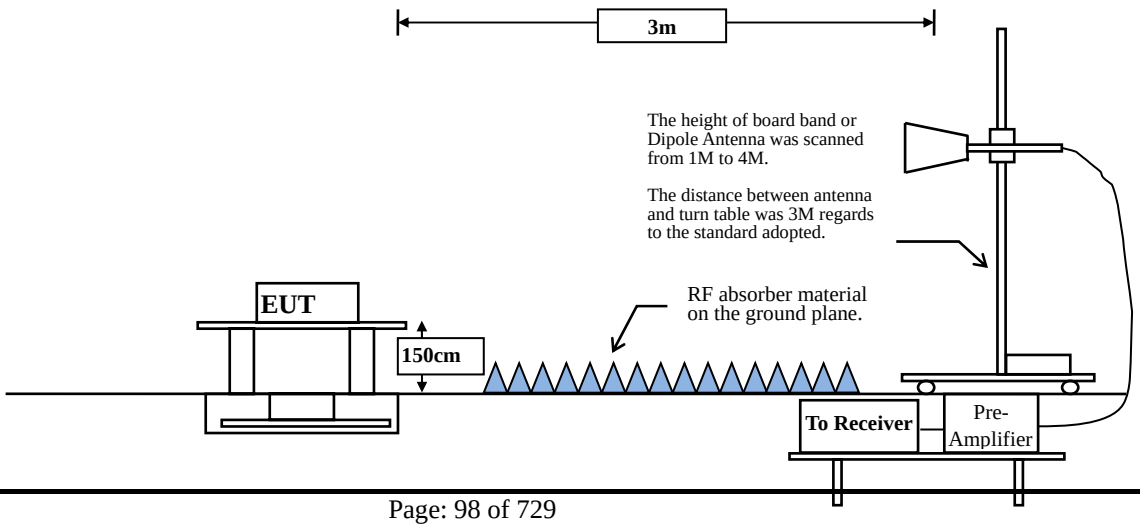
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



3.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks: E field strength (dBμV/m) = 20 log E field strength (uV/m)

3.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to FCC KDB-789033 test procedure for compliance to FCC 47CFR 15. 407 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground,when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The measurement frequency range form 9kHz - 10th Harmonic of fundamental was investigated.

RBW and VBW Parameter setting:

According to KDB 789033 section II.G.5 Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz.
RBW = 1MHz.
VBW ≥ 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions Measurements above 1000 MHz.
RBW = 1MHz.
VBW = 10Hz, when duty cycle ≥ 98 %
VBW ≥ 1/T, when duty cycle < 98 %
(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

SISO A

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11a	97.52	2.0522	487	500
802.11n20	100.00	1.0000	1000	10
802.11n40	98.79	17.8232	56	10
802.11ac80	98.92	11.0000	91	10
802.11ac160	98.92	5.5100	181	10

Note: Duty Cycle Refer to Section 5

SISO B

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11a	97.92	2.0522	487	500
802.11n20	100.00	1.0000	1000	10
802.11n40	98.40	17.8261	56	10
802.11ac80	98.92	11.0100	91	10
802.11ac160	98.92	5.5100	181	10

Note: Duty Cycle Refer to Section 5

MIMO

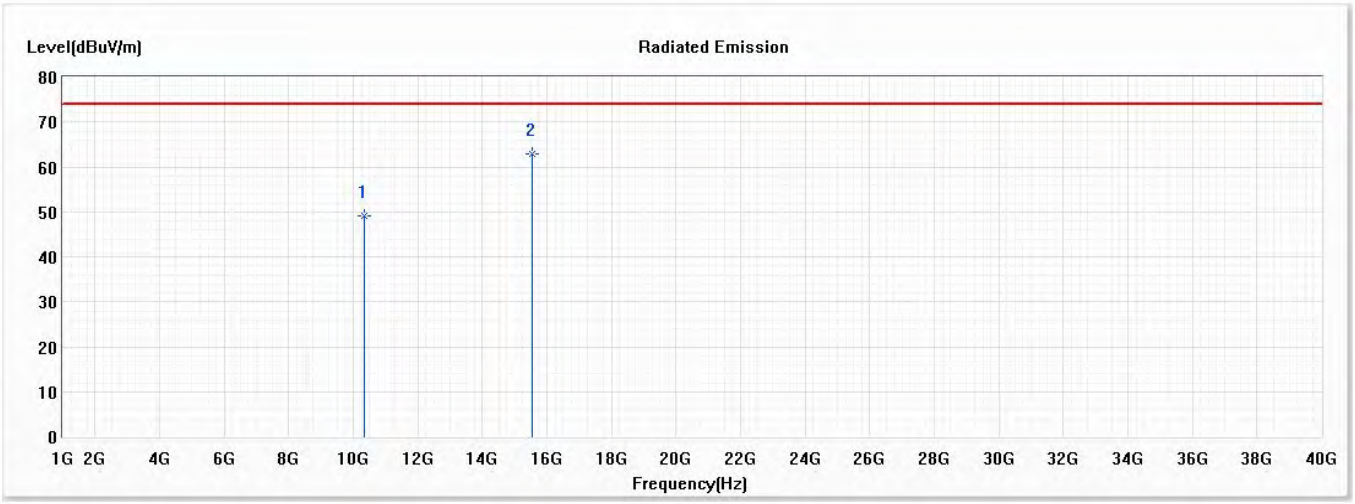
5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11n20	98.84	18.5507	54	10
802.11n40	98.40	17.8261	56	10
802.11ac80	98.57	5.5220	181	10
802.11ac160	98.24	2.7860	359	10

Note: Duty Cycle Refer to Section 5

3.4. Test Result of Radiated Emission

Product : Intel® Wireless-AC 9260
Test Item : Harmonic Radiated Emission Data
Test Date : 2021/03/08
Test Mode : Mode 1 SISO A: Transmit (802.11a_6Mbps) (5180MHz)

Horizontal



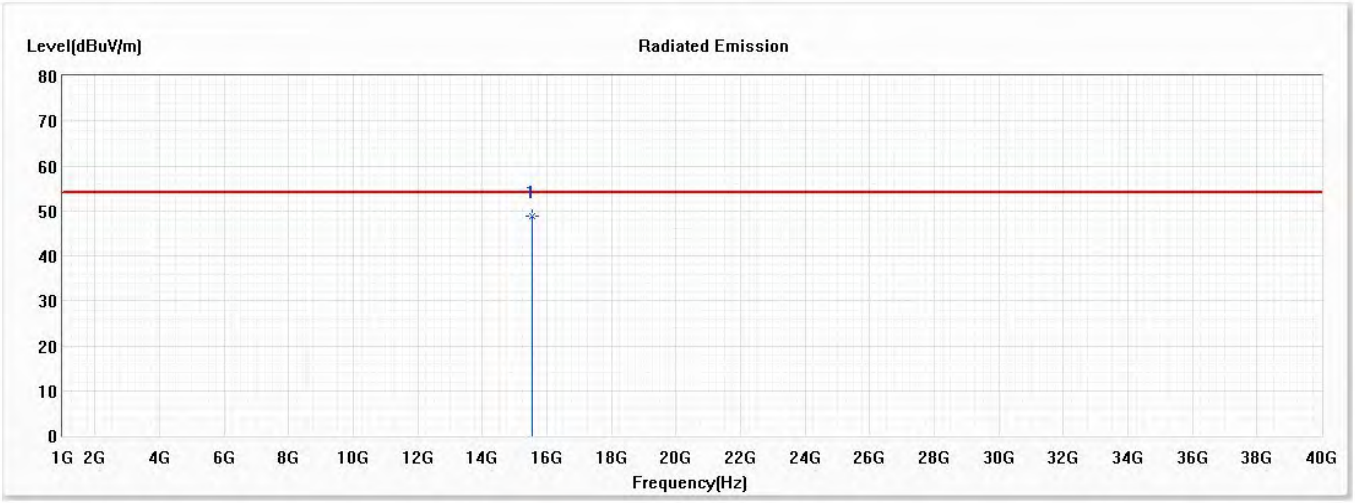
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10360.000	49.13	74.00	-24.87	50.42	-1.29	PK
* 2	15540.000	62.98	74.00	-11.02	60.67	2.31	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5180MHz)

Horizontal



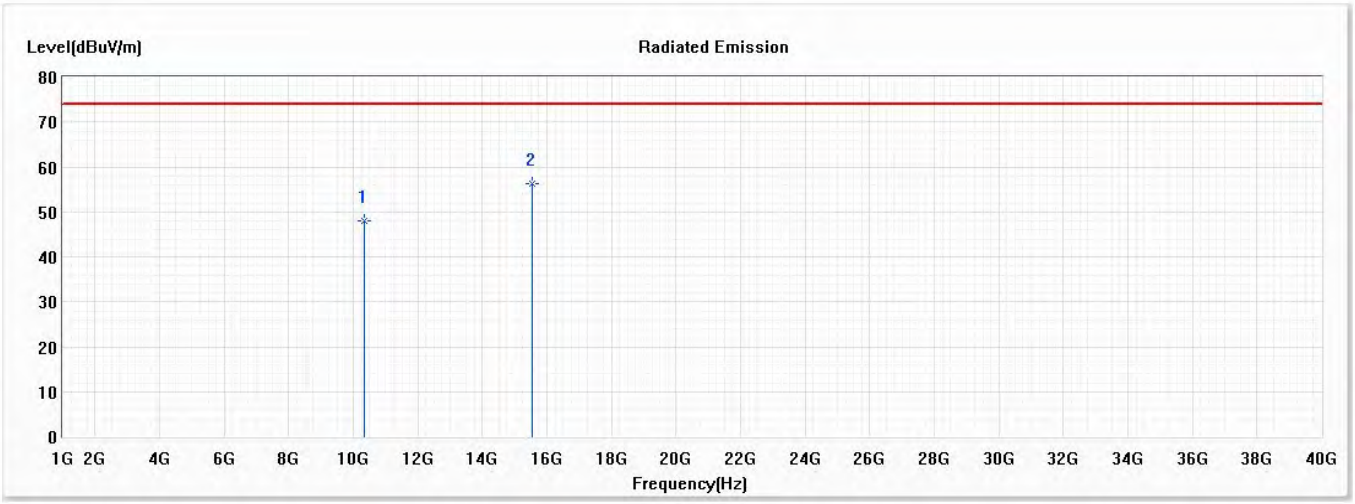
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	15540.000	48.72	54.00	-5.28	46.41	2.31	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5180MHz)

Vertical



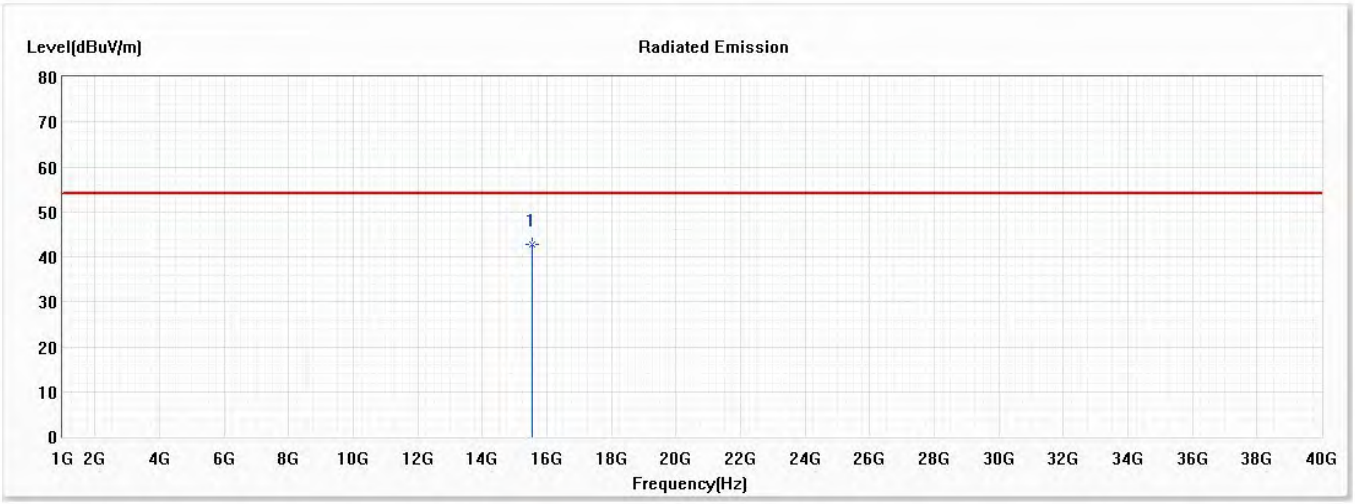
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10360.000	47.99	74.00	-26.01	49.28	-1.29	PK
* 2	15540.000	56.32	74.00	-17.68	54.01	2.31	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5180MHz)

Vertical



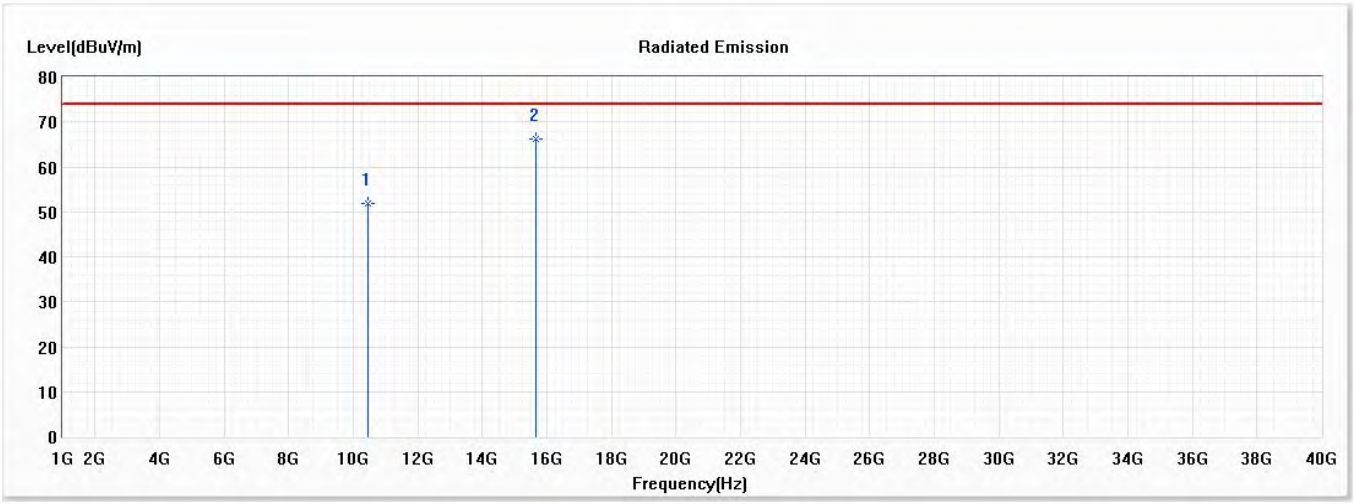
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	15540.000	42.63	54.00	-11.37	40.32	2.31	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9260
Test Item : Harmonic Radiated Emission Data
Test Date : 2021/03/08
Test Mode : Mode 1 SISO A: Transmit (802.11a_6Mbps) (5220MHz)

Horizontal



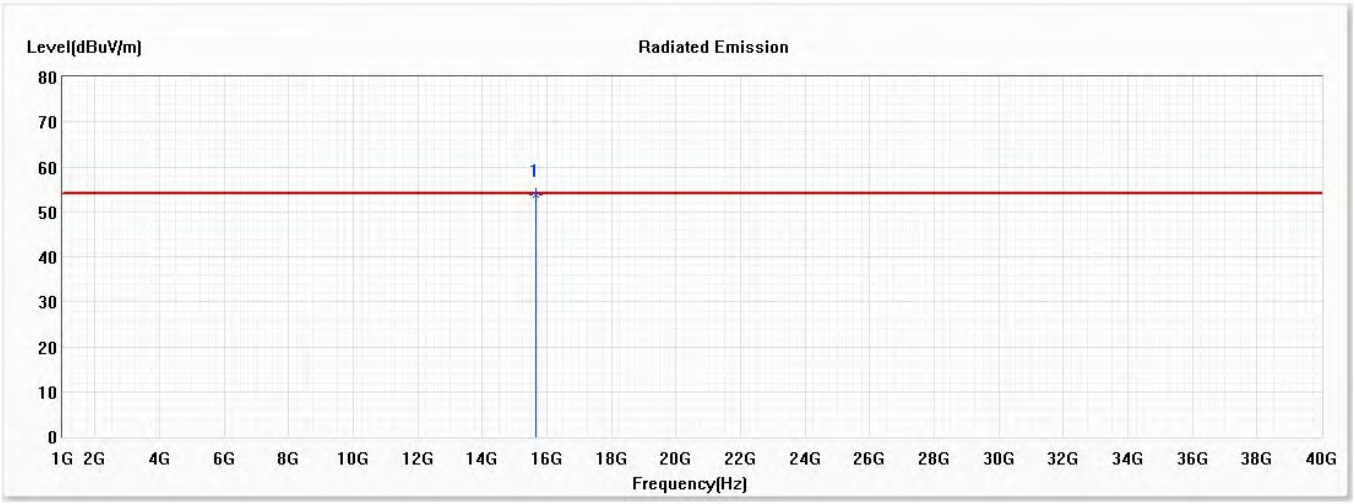
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10440.000	51.90	74.00	-22.10	52.93	-1.03	PK
* 2	15660.000	66.21	74.00	-7.79	63.86	2.35	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5220MHz)

Horizontal



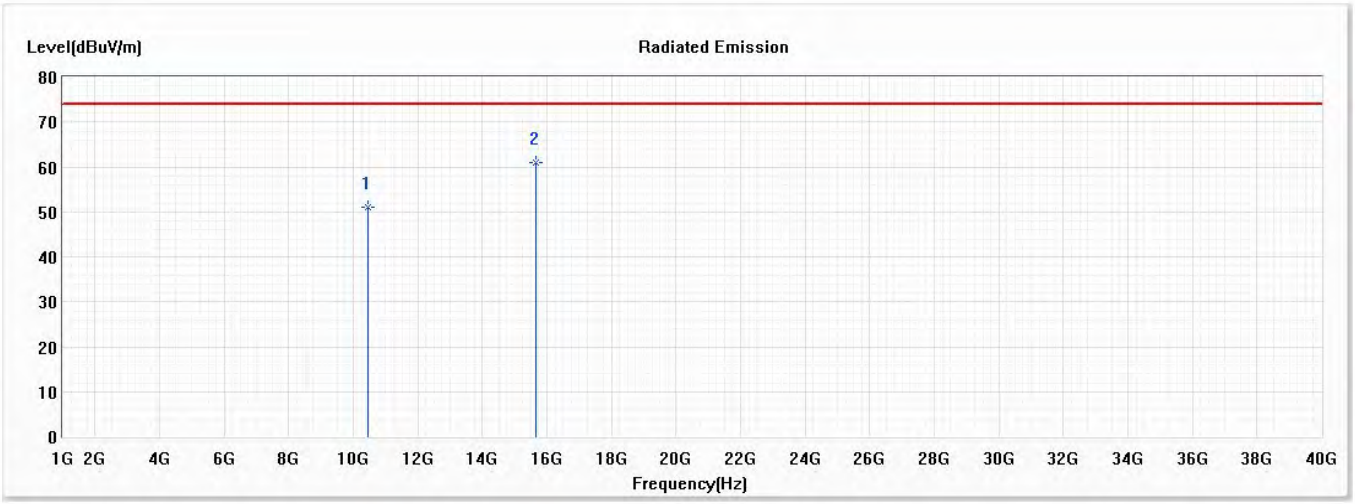
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	15660.000	53.72	54.00	-0.28	51.37	2.35	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5220MHz)

Vertical



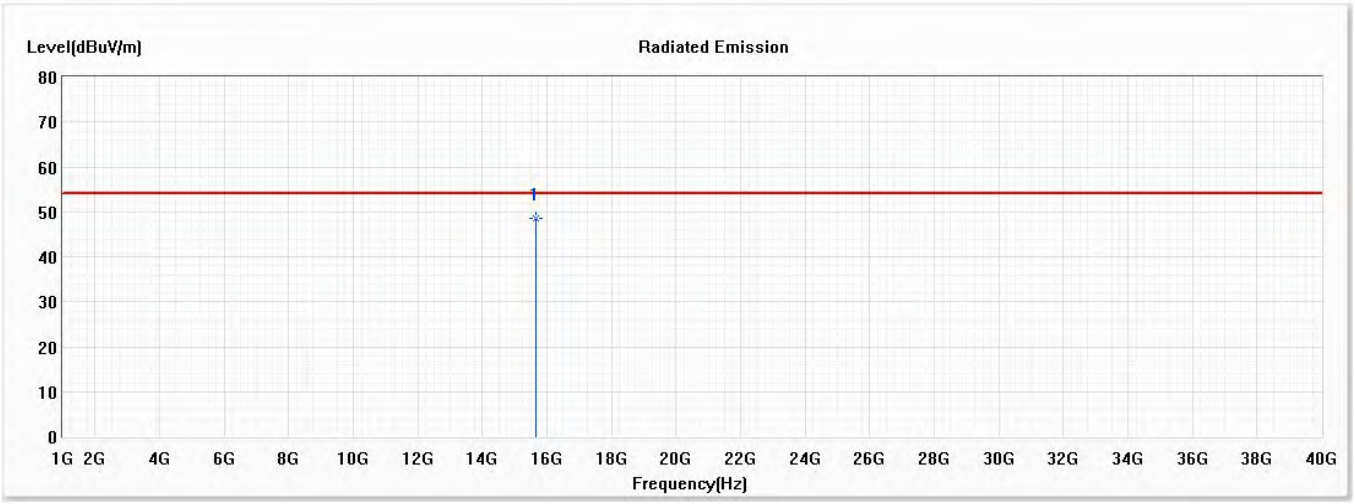
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10440.000	50.95	74.00	-23.05	51.98	-1.03	PK
* 2	15660.000	61.00	74.00	-13.00	58.65	2.35	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5220MHz)

Vertical



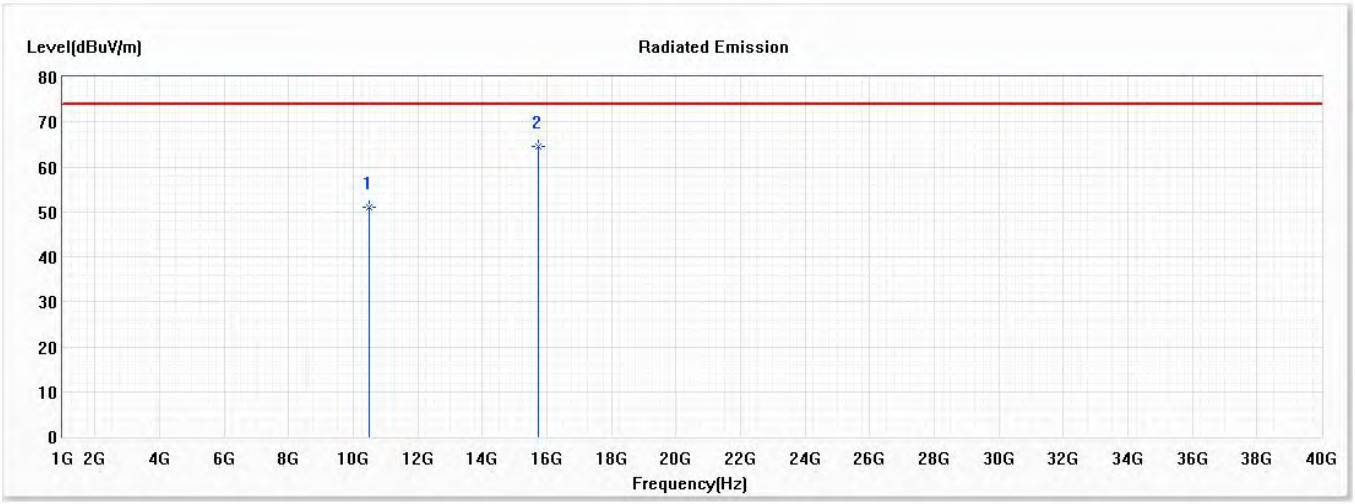
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	15660.000	48.48	54.00	-5.52	46.13	2.35	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5240MHz)

Horizontal



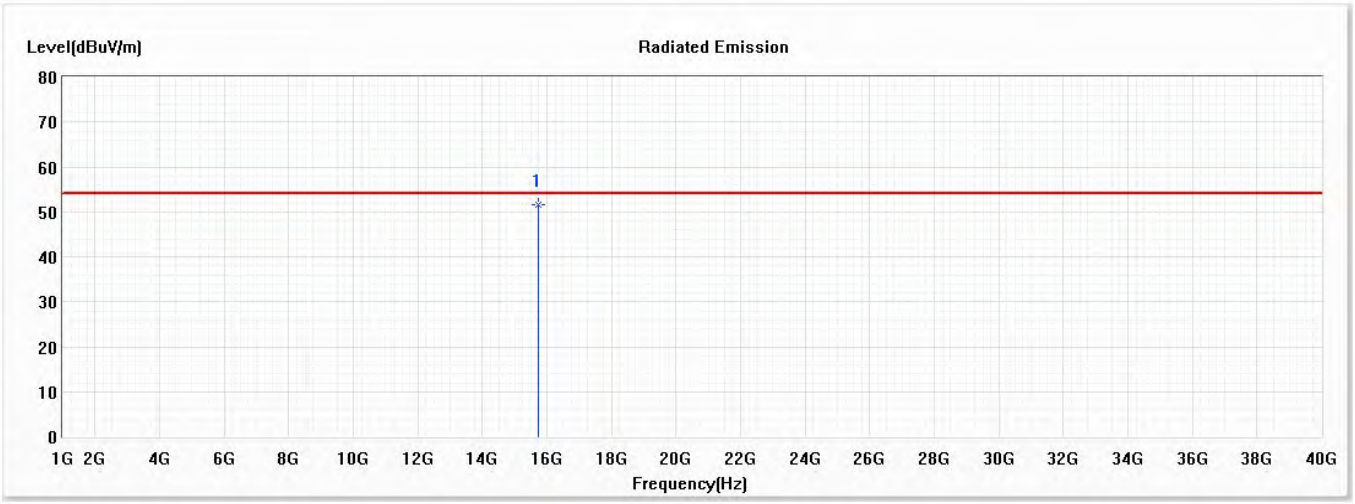
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10480.000	50.93	74.00	-23.07	51.82	-0.89	PK
* 2	15720.000	64.57	74.00	-9.43	62.11	2.46	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5240MHz)

Horizontal



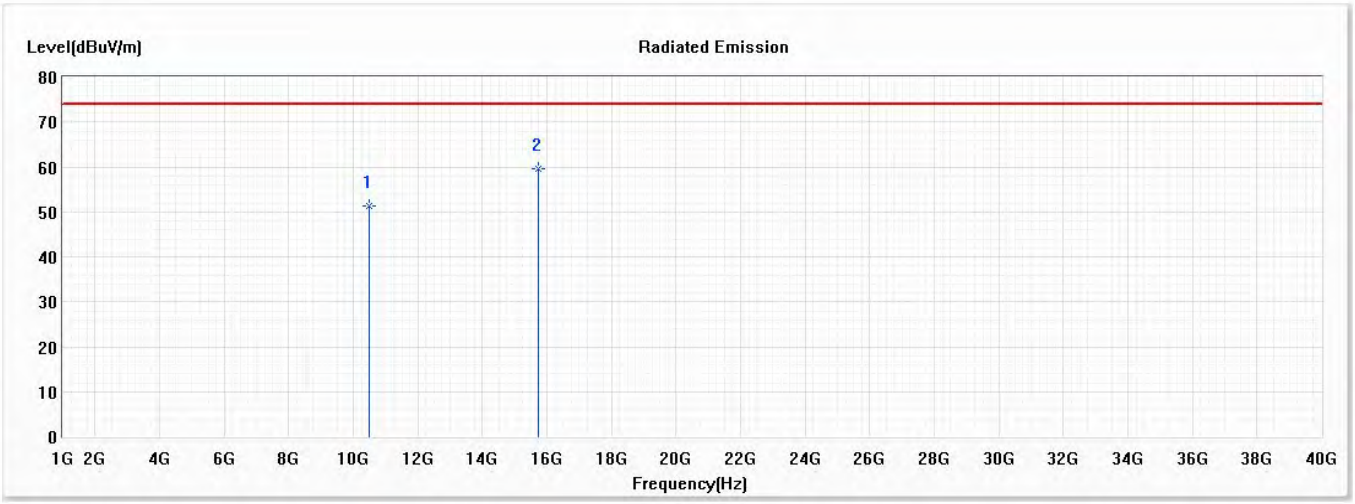
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	15720.000	51.49	54.00	-2.51	49.03	2.46	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5240MHz)

Vertical



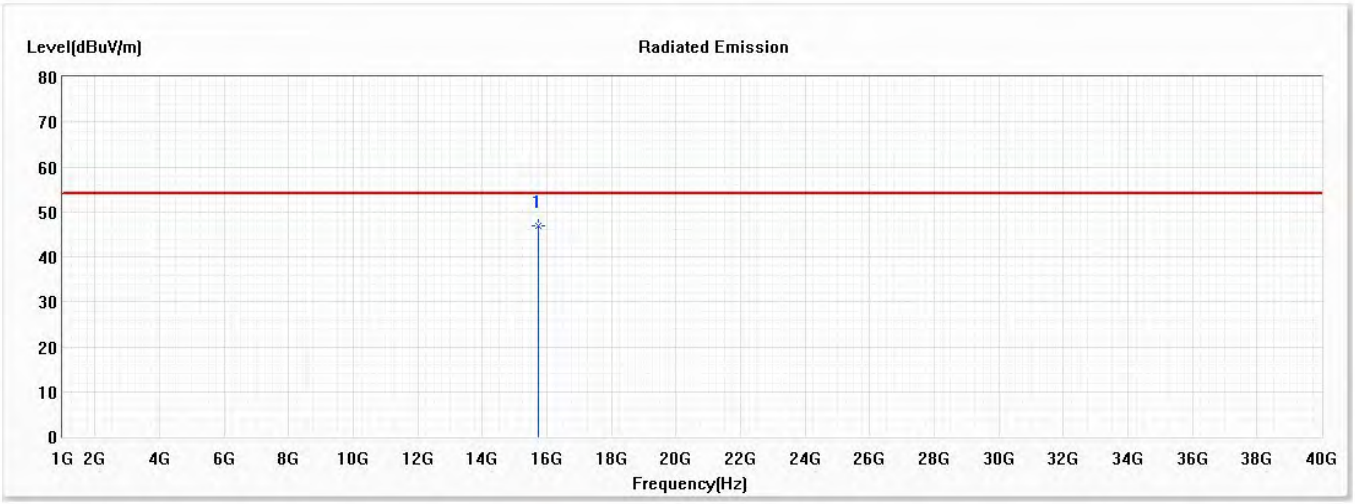
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10480.000	51.37	74.00	-22.63	52.26	-0.89	PK
* 2	15720.000	59.45	74.00	-14.55	56.99	2.46	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5240MHz)

Vertical



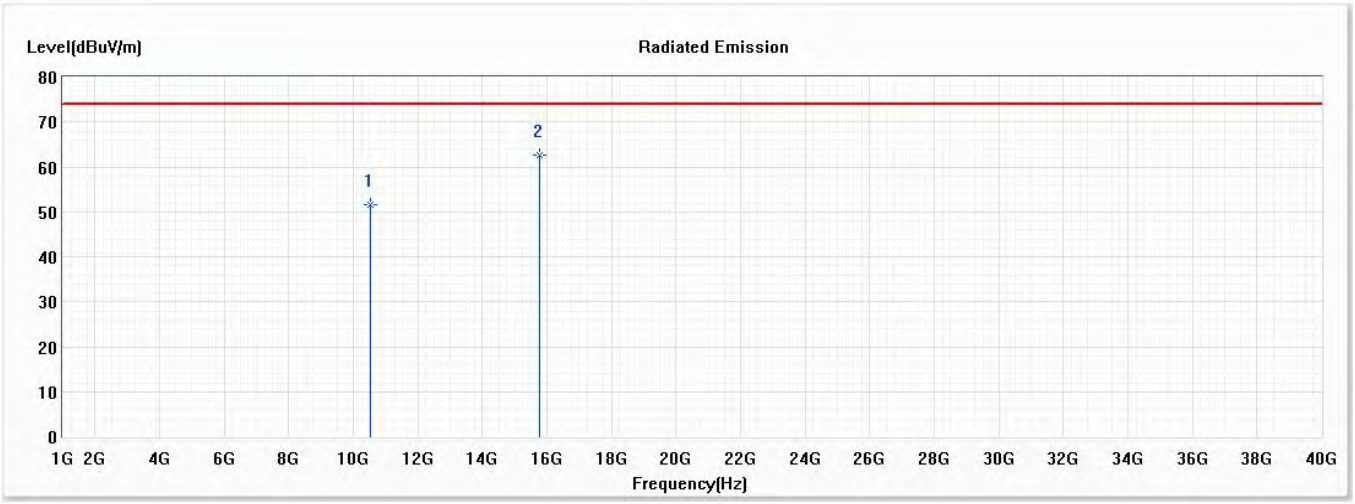
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	15720.000	46.86	54.00	-7.14	44.40	2.46	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9260
Test Item : Harmonic Radiated Emission Data
Test Date : 2021/03/08
Test Mode : Mode 1 SISO A: Transmit (802.11a_6Mbps) (5260MHz)

Horizontal



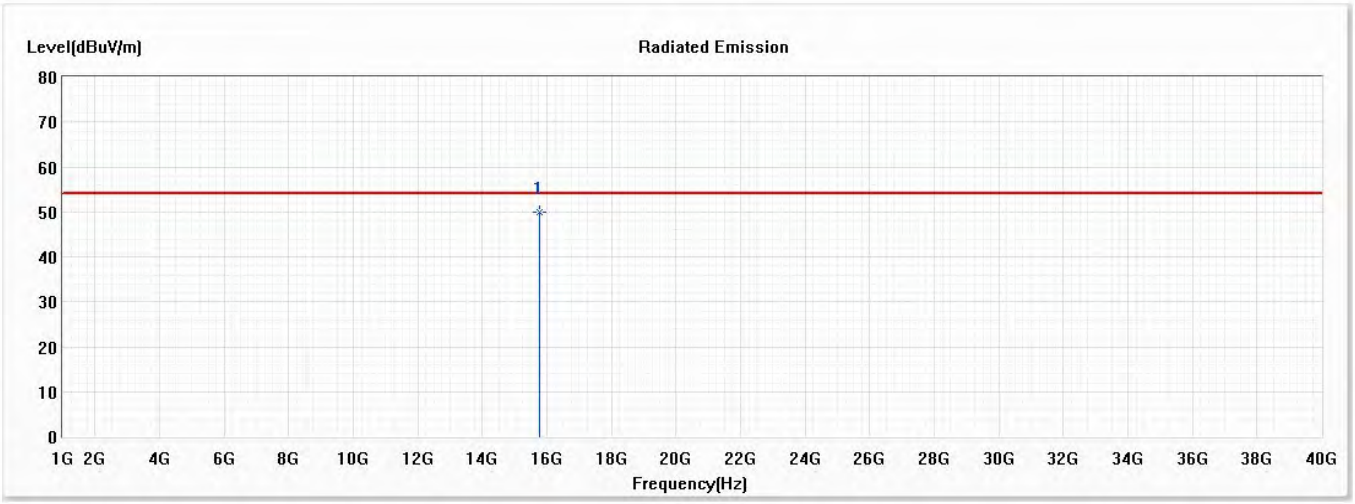
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10520.000	51.59	74.00	-22.41	52.36	-0.77	PK
* 2	15780.000	62.64	74.00	-11.36	60.19	2.45	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5260MHz)

Horizontal



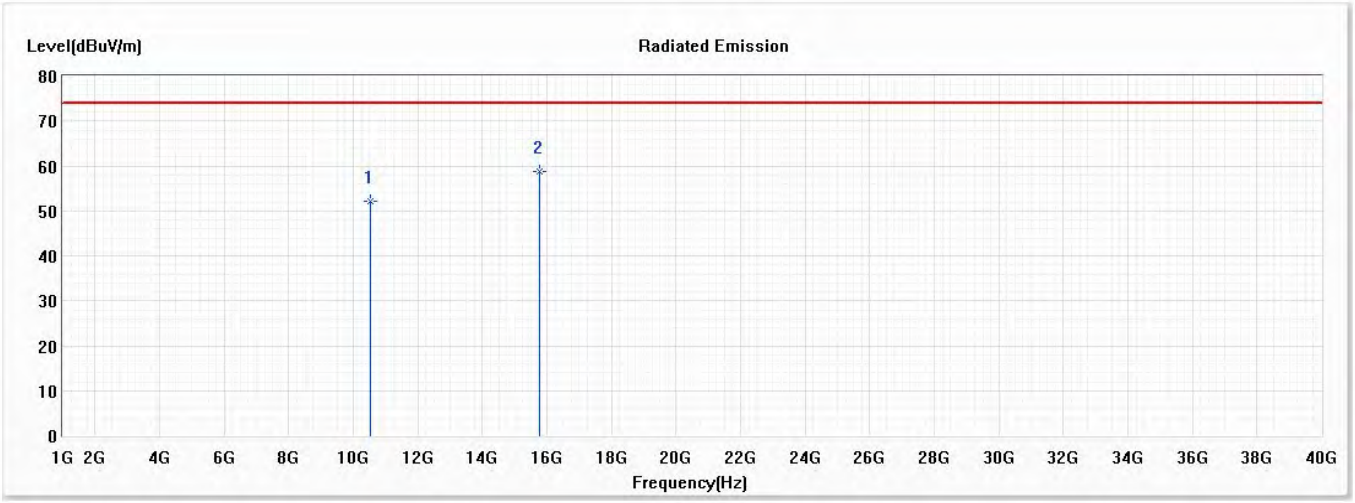
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	15780.000	49.83	54.00	-4.17	47.38	2.45	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5260MHz)

Vertical



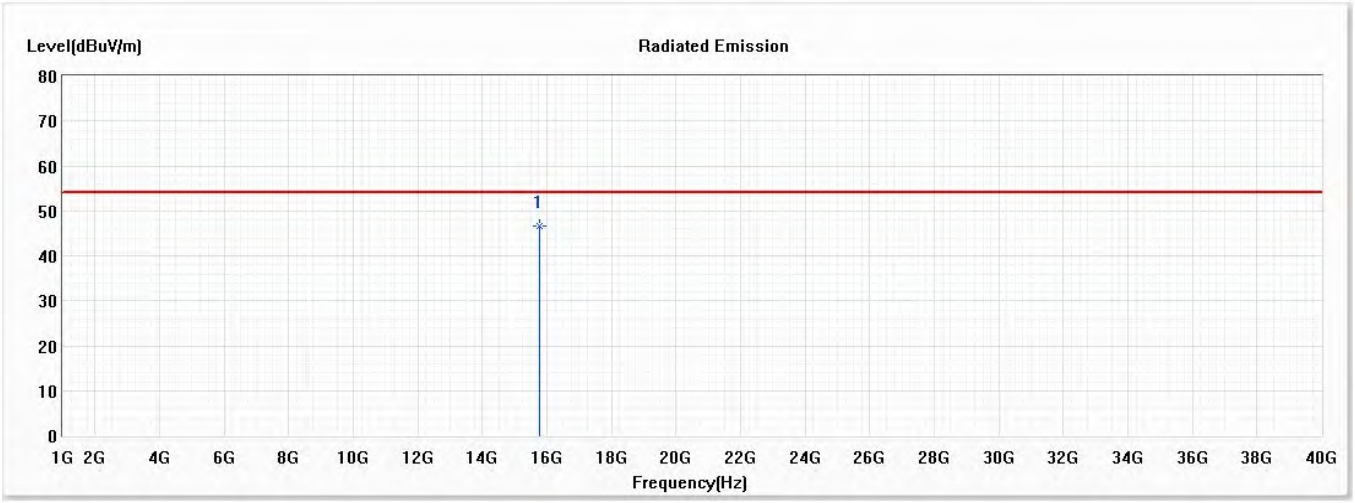
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10520.000	52.02	74.00	-21.98	52.79	-0.77	PK
* 2	15780.000	58.77	74.00	-15.23	56.32	2.45	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5260MHz)

Vertical



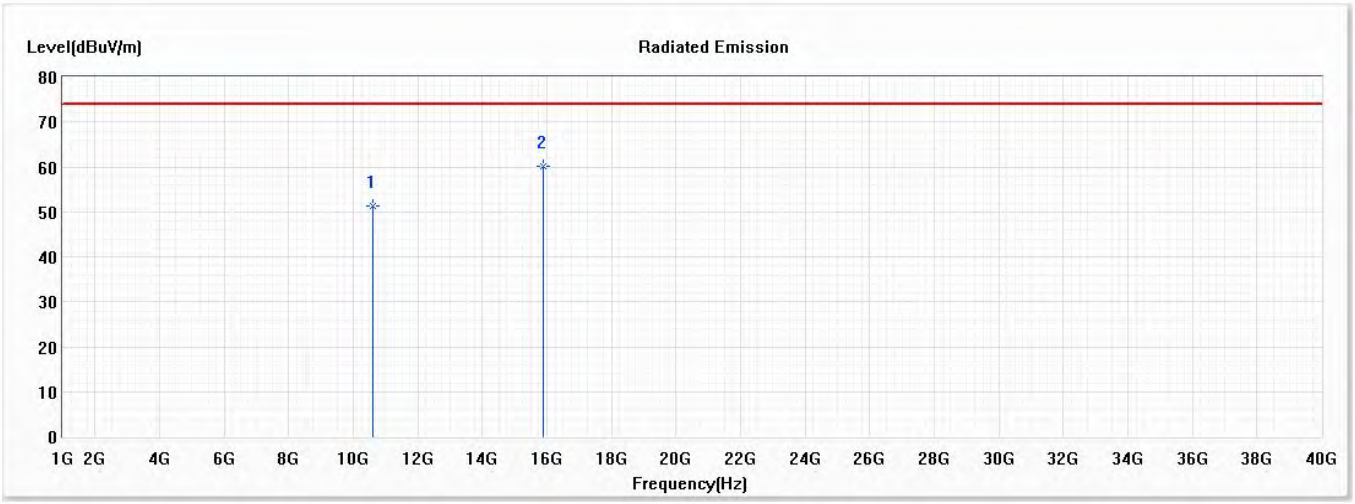
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	15780.000	46.75	54.00	-7.25	44.30	2.45	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5300MHz)

Horizontal



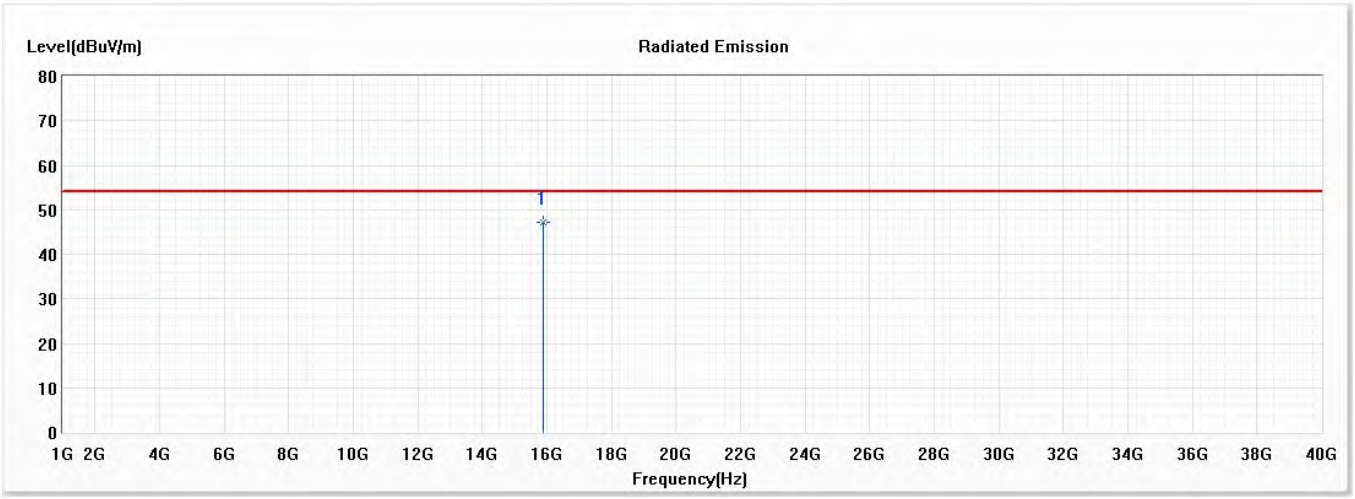
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10600.000	51.42	74.00	-22.58	52.09	-0.67	PK
* 2	15900.000	60.09	74.00	-13.91	57.47	2.62	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Intel® Wireless-AC 9260
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2021/03/08
Test Mode	:	Mode 1 SISO A: Transmit (802.11a_6Mbps) (5300MHz)

Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	15900.000	47.05	54.00	-6.95	44.43	2.62	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.