

FCC Test Report

(Class II Permissive Change)

Product Name	Intel® Wireless-AC 9560
Model No.	9560D2W
FCC ID.	PD99560D2

Applicant	Intel Mobile Communications
Address	100 Center Point Circle, Suite 200 Columbia, South Carolina 29210 USA

Date of Receipt	Feb. 22, 2018
Issued Date	Mar. 31, 2018
Report No.	1820198R-RFUSP23V00
Report Version	V1.0



The test results relate only to the samples tested.

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

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

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Test Report

Issued Date: Mar. 31, 2018

Report No.: 1820198R-RFUSP23V00



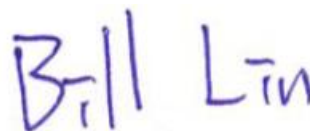
Product Name	Intel® Wireless-AC 9560
Applicant	Intel Mobile Communications
Address	100 Center Point Circle, Suite 200 Columbia, South Carolina 29210 USA
Manufacturer	Intel Mobile Communications
Model No.	9560D2W
FCC ID.	PD99560D2
EUT Rated Voltage	DC 3.3V
EUT Test Voltage	AC 120V/60Hz
Trade Name	Intel
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2017 ANSI C63.4: 2014, ANSI C63.10: 2013
Test Result	Complied

Documented By :



(Senior Adm. Specialist / Joanne Lin)

Tested By :



(Engineer / Bill Lin)

Approved By :



(Director / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Intel® Wireless-AC 9560
Trade Name	Intel
Model No.	9560D2W
FCC ID.	PD99560D2
Frequency Range	2402-2480MHz
Channel Number	79
Type of Modulation	FHSS: GFSK(1Mbps) / π /4DQPSK(2Mbps) / 8DPSK(3Mbps)
Antenna Type	Dipole Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	WIESON Technologies co., Ltd.	GY121HT0321-003-H / GY121C888-001-H (Main) 、 GY121HT0321-003-H / GY121C888-001-H (Aux)	Dipole	2.89dBi for 2.4 GHz

Note: The antenna of EUT conforms to FCC 15.203.

Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 00:	2402 MHz	Channel 20:	2422 MHz	Channel 40:	2442 MHz	Channel 60:	2462 MHz
Channel 01:	2403 MHz	Channel 21:	2423 MHz	Channel 41:	2443 MHz	Channel 61:	2463 MHz
Channel 02:	2404 MHz	Channel 22:	2424 MHz	Channel 42:	2444 MHz	Channel 62:	2464 MHz
Channel 03:	2405 MHz	Channel 23:	2425 MHz	Channel 43:	2445 MHz	Channel 63:	2465 MHz
Channel 04:	2406 MHz	Channel 24:	2426 MHz	Channel 44:	2446 MHz	Channel 64:	2466 MHz
Channel 05:	2407 MHz	Channel 25:	2427 MHz	Channel 45:	2447 MHz	Channel 65:	2467 MHz
Channel 06:	2408 MHz	Channel 26:	2428 MHz	Channel 46:	2448 MHz	Channel 66:	2468 MHz
Channel 07:	2409 MHz	Channel 27:	2429 MHz	Channel 47:	2449 MHz	Channel 67:	2469 MHz
Channel 08:	2410 MHz	Channel 28:	2430 MHz	Channel 48:	2450 MHz	Channel 68:	2470 MHz
Channel 09:	2411 MHz	Channel 29:	2431 MHz	Channel 49:	2451 MHz	Channel 69:	2471 MHz
Channel 10:	2412 MHz	Channel 30:	2432 MHz	Channel 50:	2452 MHz	Channel 70:	2472 MHz
Channel 11:	2413 MHz	Channel 31:	2433 MHz	Channel 51:	2453 MHz	Channel 71:	2473 MHz
Channel 12:	2414 MHz	Channel 32:	2434 MHz	Channel 52:	2454 MHz	Channel 72:	2474 MHz
Channel 13:	2415 MHz	Channel 33:	2435 MHz	Channel 53:	2455 MHz	Channel 73:	2475 MHz
Channel 14:	2416 MHz	Channel 34:	2436 MHz	Channel 54:	2456 MHz	Channel 74:	2476 MHz
Channel 15:	2417 MHz	Channel 35:	2437 MHz	Channel 55:	2457 MHz	Channel 75:	2477 MHz
Channel 16:	2418 MHz	Channel 36:	2438 MHz	Channel 56:	2458 MHz	Channel 76:	2478 MHz
Channel 17:	2419 MHz	Channel 37:	2439 MHz	Channel 57:	2459 MHz	Channel 77:	2479 MHz
Channel 18:	2420 MHz	Channel 38:	2440 MHz	Channel 58:	2460 MHz	Channel 78:	2480 MHz
Channel 19:	2421 MHz	Channel 39:	2441 MHz	Channel 59:	2461 MHz		

Note:

1. The EUT is an Intel® Wireless-AC 9560 with a built-in 802.11 a/b/g/n/ac Wireless LAN + BDR/EDR 2.1 + BLE 4.2 transceiver, this report for Bluetooth BDR/EDR 2.1.
2. These tests were conducted on a sample for the purpose of demonstrating compliance of Bluetooth transmitter with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test
4. This is to request a Class II permissive change for FCC ID: PD919560D2, originally granted on 12/14/2017.

The major change filed under this application is:

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

(Antenna type: Dipole Antenna)

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

Test Mode	Mode 1: Transmit - 1Mbps Mode 2: Transmit - 2Mbps Mode 3: Transmit - 3Mbps
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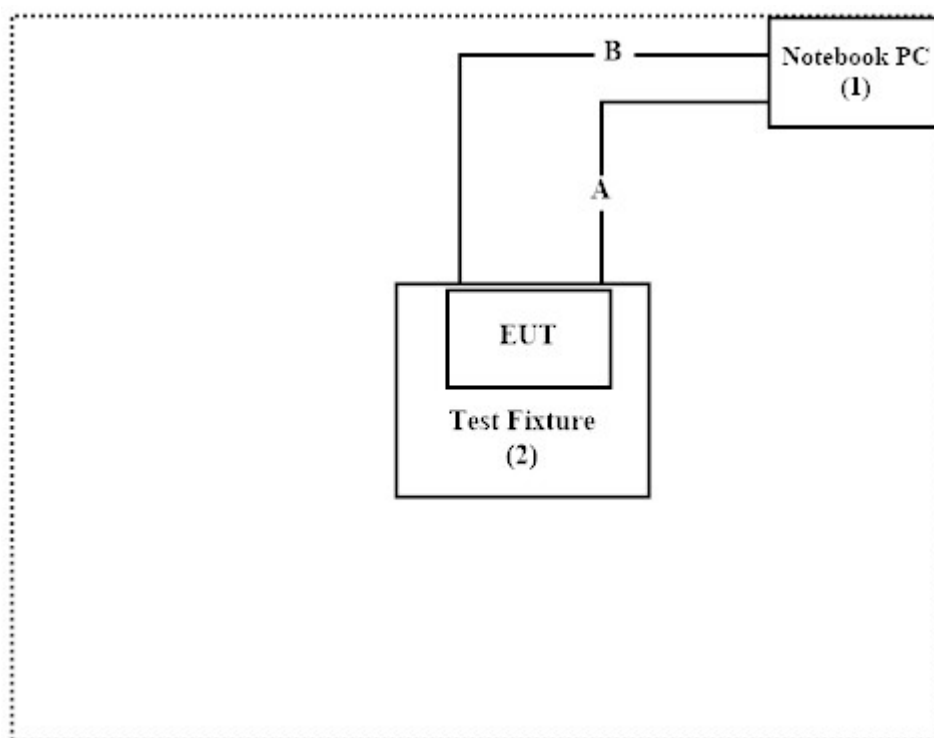
1.3. Tested System Details

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

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

Signal Cable Type	Signal cable Description
A Single Cable	Non-Shielded, 1m
B USB Cable	Shielded, 1.8m

1.4. Configuration of Tested System



1.5. EUT Exercise Software

1. Setup the EUT as shown in Section 1.4.
2. Execute software "DRTU (Ver 10.1742.0-06126)" on the Notebook PC.
3. Configure the test mode, the test channel, and the data rate.
4. Press "OK" to start the continuous Transmit.
5. Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

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

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

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

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

Site Description: Accredited by TAF
Accredited Number: 3023

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

FCC Accreditation Number: TW0023

1.7. List of Test Equipment

For Conducted measurements /ASR4

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Spectrum Analyzer	R&S	FSV30	103464	2018.01.23	2019.01.22
X	Power Meter	Anritsu	ML2496A	1548003	2017.12.11	2018.12.10
X	Power Sensor	Anritsu	MA2411B	1531024	2017.12.11	2018.12.10
X	Power Sensor	Anritsu	MA2411B	1531025	2017.12.11	2018.12.10
	Bluetooth Tester	R&S	CBT	101238	2018.01.18	2019.01.17

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : QuieTek Conduction Test System V8.0.110

For Radiated measurements /ACB1

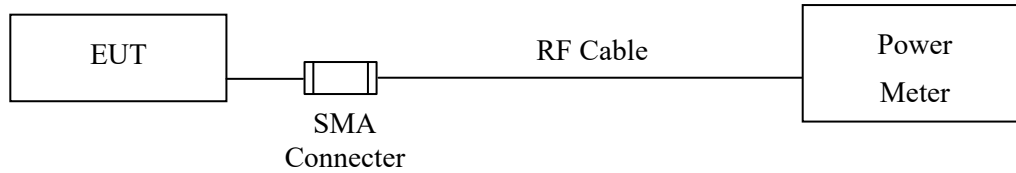
	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Loop Antenna	AMETEK	HLA6121	49611	2018.01.26	2019.01.25
X	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-675	2017.06.01	2018.05.31
X	Horn Antenna	ETS-Lindgren	3117	00203800	2017.11.10	2018.11.09
X	Horn Antenna	Com-Power	AH-840	101087	2017.05.24	2018.05.23
X	Pre-Amplifier	EMCI	EMC001330	980316	2017.05.16	2018.05.15
X	Pre-Amplifier	EMCI	EMC051835SE	980311	2017.05.17	2018.05.16
X	Pre-Amplifier	EMCI	EMC05820SE	980310	2017.05.17	2018.05.16
X	Pre-Amplifier	EMCI	EMC184045SE	980314	2017.05.17	2018.05.16
X	Filter	MICRO TRONICS	BRM50702	G251	2017.08.30	2018.08.29
	Filter	MICRO TRONICS	BRM50716	G188	2017.08.30	2018.08.29
X	EMI Test Receiver	R&S	ESR7	101602	2017.12.11	2018.12.10
X	Spectrum Analyzer	R&S	FSV40	101148	2018.02.08	2019.02.07
X	Coaxial Cable	SUHNER	SUCOFLEX 106	RF002	2017.05.25	2018.05.24
X	Mircoflex Cable	HUBER SUHNER	SUCOFLEX 102	MY3381/2	2017.08.11	2018.08.10

Note:

1. Loop Antenna is calibrated every two year, the other equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : QuieTek EMI 2.0 V2.1.113

2. Peak Power Output

2.1. Test Setup



2.2. Limit

The maximum peak power shall be less 1Watt.

2.3. Test Procedure

The EUT was setup to ANSI C63.4, 2014; tested to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

2.4. Uncertainty

± 0.86 dB

2.5. Test Result of Peak Power Output

Product : Intel® Wireless-AC 9560
Test Item : Peak Power Output
Test date : 2018/03/20
Test Mode : Mode 1: Transmit - 1Mbps

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	9.43	1 Watt= 30 dBm	Pass
Channel 39	2441.00	10.01	1 Watt= 30 dBm	Pass
Channel 78	2480.00	10.25	1 Watt= 30 dBm	Pass

Product : Intel® Wireless-AC 9560
Test Item : Peak Power Output
Test date : 2018/03/20
Test Mode : Mode 2: Transmit - 2Mbps

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	9.19	1 Watt= 30 dBm	Pass
Channel 39	2441.00	9.29	1 Watt= 30 dBm	Pass
Channel 78	2480.00	9.58	1 Watt= 30 dBm	Pass

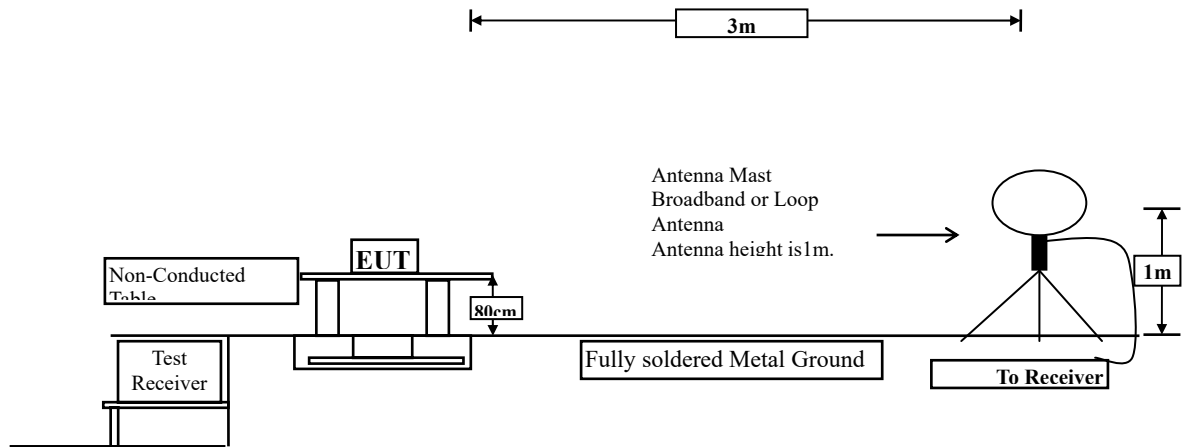
Product : Intel® Wireless-AC 9560
Test Item : Peak Power Output
Test date : 2018/03/20
Test Mode : Mode 3: Transmit - 3Mbps

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	9.31	1 Watt= 30 dBm	Pass
Channel 39	2441.00	9.27	1 Watt= 30 dBm	Pass
Channel 78	2480.00	9.71	1 Watt= 30 dBm	Pass

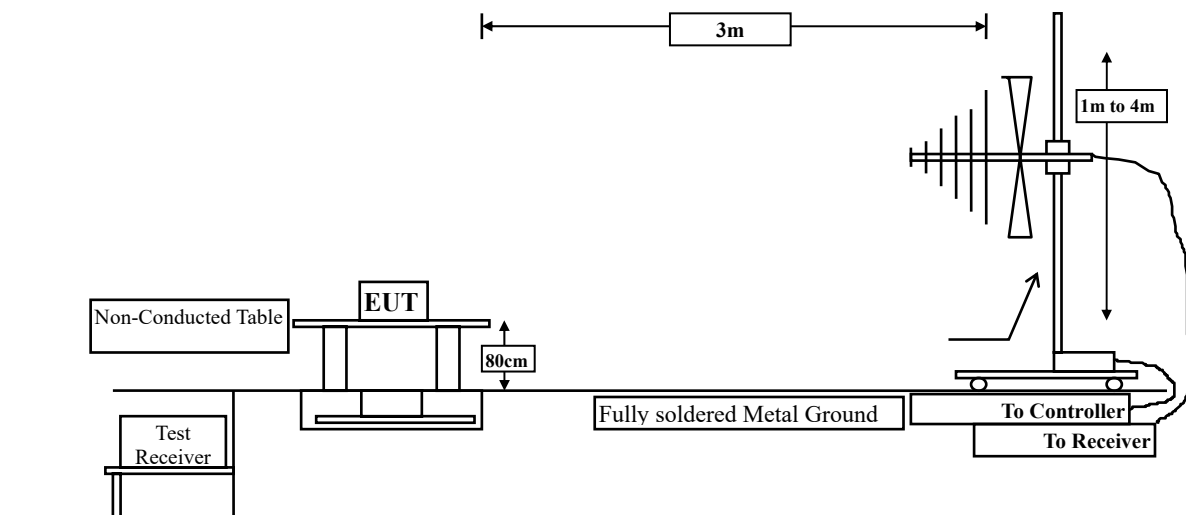
3. Radiated Emission

3.1. Test Setup

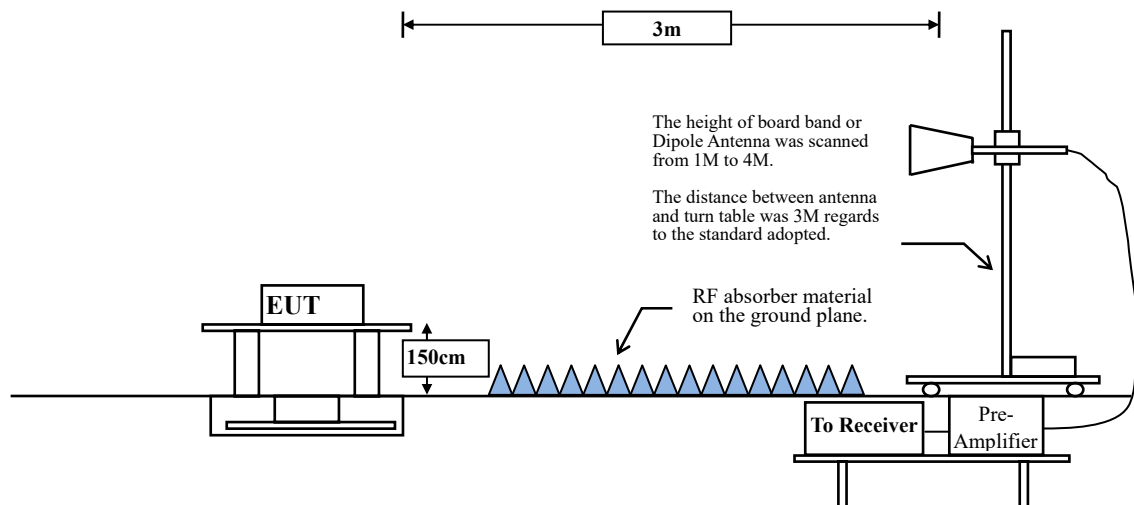
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



3.2. Limits

➤ General Radiated Emission 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 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:
1. RF Voltage (dBμV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested compliance to FCC 47CFR 15.247 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 worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

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

3.4. Uncertainty

Horizontal polarization :

30-300MHz: $\pm 4.08\text{dB}$; 300M-1GHz: $\pm 3.86\text{dB}$; 1-18GHz: $\pm 3.77\text{dB}$; 18-40GHz: $\pm 3.98\text{dB}$

Vertical polarization :

30-300MHz: $\pm 4.81\text{dB}$; 300M-1GHz: $\pm 3.87\text{dB}$; 1-18GHz : $\pm 3.83\text{dB}$; 18-40GHz: $\pm 3.98\text{dB}$

3.5. Test Result of Radiated Emission

Product : Intel® Wireless-AC 9560
 Test Item : Harmonic Radiated Emission
 Test date : 2018/03/15
 Test Mode : Mode 1: Transmit - 1Mbps (2402MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
4804.000	-6.114	48.920	42.806	-31.194	74.000
7206.000	-3.112	47.740	44.628	-29.372	74.000
9608.000	-0.801	46.350	45.550	-28.450	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4804.000	-6.114	47.990	41.876	-32.124	74.000
7206.000	-3.112	47.760	44.648	-29.352	74.000
9608.000	-0.801	45.890	45.090	-28.910	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : Harmonic Radiated Emission
 Test date : 2018/03/15
 Test Mode : Mode 1: Transmit - 1Mbps (2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
4882.000	-6.066	49.170	43.104	-30.896	74.000
7323.000	-3.022	46.890	43.868	-30.132	74.000
9764.000	-0.522	46.660	46.137	-27.863	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4882.000	-6.066	48.060	41.994	-32.006	74.000
7323.000	-3.022	48.520	45.498	-28.502	74.000
9764.000	-0.522	46.540	46.017	-27.983	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : Harmonic Radiated Emission
 Test date : 2018/03/15
 Test Mode : Mode 1: Transmit - 1Mbps (2480MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
4960.000	-6.055	48.720	42.665	-31.335	74.000
7440.000	-2.861	45.670	42.808	-31.192	74.000
9920.000	-0.306	45.590	45.284	-28.716	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4960.000	-6.055	47.980	41.925	-32.075	74.000
7440.000	-2.861	46.870	44.008	-29.992	74.000
9920.000	-0.306	45.810	45.504	-28.496	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : Harmonic Radiated Emission
 Test date : 2018/03/15
 Test Mode : Mode 2: Transmit - 2Mbps (2402MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4804.000	-6.114	49.420	43.306	-30.694	74.000
7206.000	-3.112	47.520	44.408	-29.592	74.000
9608.000	-0.801	45.670	44.870	-29.130	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4804.000	-6.114	48.860	42.746	-31.254	74.000
7206.000	-3.112	48.130	45.018	-28.982	74.000
9608.000	-0.801	45.880	45.080	-28.920	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : Harmonic Radiated Emission
 Test date : 2018/03/15
 Test Mode : Mode 2: Transmit - 2Mbps (2441MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4882.000	-6.066	48.120	42.054	-31.946	74.000
7323.000	-3.022	47.230	44.208	-29.792	74.000
9764.000	-0.522	46.280	45.757	-28.243	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4882.000	-6.066	49.010	42.944	-31.056	74.000
7323.000	-3.022	46.830	43.808	-30.192	74.000
9764.000	-0.522	46.770	46.247	-27.753	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : Harmonic Radiated Emission
 Test date : 2018/03/15
 Test Mode : Mode 2: Transmit - 2Mbps (2480MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
4960.000	-6.055	48.710	42.655	-31.345	74.000
7440.000	-2.861	46.610	43.748	-30.252	74.000
9920.000	-0.306	45.810	45.504	-28.496	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4960.000	-6.055	48.760	42.705	-31.295	74.000
7440.000	-2.861	47.330	44.468	-29.532	74.000
9920.000	-0.306	45.500	45.194	-28.806	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : Harmonic Radiated Emission
 Test date : 2018/03/15
 Test Mode : Mode 3: Transmit - 3Mbps (2402MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4804.000	-6.114	48.390	42.276	-31.724	74.000
7206.000	-3.112	47.410	44.298	-29.702	74.000
9608.000	-0.801	46.300	45.500	-28.500	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4804.000	-6.114	48.570	42.456	-31.544	74.000
7206.000	-3.112	47.210	44.098	-29.902	74.000
9608.000	-0.801	45.890	45.090	-28.910	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : Harmonic Radiated Emission
 Test date : 2018/03/15
 Test Mode : Mode 3: Transmit - 3Mbps (2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4882.000	-6.066	48.630	42.564	-31.436	74.000
7323.000	-3.022	47.130	44.108	-29.892	74.000
9764.000	-0.522	46.250	45.727	-28.273	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4882.000	-6.066	48.610	42.544	-31.456	74.000
7323.000	-3.022	47.000	43.978	-30.022	74.000
9764.000	-0.522	46.530	46.007	-27.993	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : Harmonic Radiated Emission
 Test date : 2018/03/15
 Test Mode : Mode 3: Transmit - 3Mbps (2480MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
4960.000	-6.055	48.750	42.695	-31.305	74.000
7440.000	-2.861	46.520	43.658	-30.342	74.000
9920.000	-0.306	45.140	44.834	-29.166	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4960.000	-6.055	48.150	42.095	-31.905	74.000
7440.000	-2.861	46.290	43.428	-30.572	74.000
9920.000	-0.306	45.850	45.544	-28.456	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : General Radiated Emission
 Test date : 2018/03/29
 Test Mode : Mode 1: Transmit - 1Mbps (2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
107.319	-14.849	45.749	30.900	-12.600	43.500
311.159	-10.098	38.605	28.507	-17.493	46.000
503.754	-5.965	45.856	39.892	-6.108	46.000
600.754	-4.051	36.138	32.088	-13.912	46.000
815.841	-1.479	31.079	29.600	-16.400	46.000
995.783	0.812	30.872	31.684	-22.316	54.000
Vertical					
108.725	-14.603	49.134	34.532	-8.968	43.500
311.159	-10.098	39.362	29.264	-16.736	46.000
503.754	-5.965	45.060	39.096	-6.904	46.000
600.754	-4.051	36.625	32.575	-13.425	46.000
800.377	-1.711	36.564	34.852	-11.148	46.000
983.130	0.651	30.869	31.520	-22.480	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : General Radiated Emission
 Test date : 2018/03/30
 Test Mode : Mode 2: Transmit - 2Mbps (2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
39.841	-11.156	38.786	27.630	-12.370	40.000
119.971	-13.428	42.847	29.419	-14.081	43.500
167.768	-11.135	41.636	30.501	-12.999	43.500
360.362	-8.975	38.577	29.602	-16.398	46.000
503.754	-5.965	45.260	39.296	-6.704	46.000
800.377	-1.711	31.914	30.202	-15.798	46.000
Vertical					
30.000	-12.250	46.662	34.412	-5.588	40.000
82.014	-16.022	41.211	25.189	-14.811	40.000
298.507	-10.409	38.114	27.704	-18.296	46.000
503.754	-5.965	43.447	37.483	-8.517	46.000
551.551	-5.202	42.056	36.854	-9.146	46.000
800.377	-1.711	35.597	33.885	-12.115	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Intel® Wireless-AC 9560
 Test Item : General Radiated Emission
 Test date : 2018/03/30
 Test Mode : Mode 3: Transmit - 3Mbps (2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
173.391	-11.675	39.882	28.207	-15.293	43.500
360.362	-8.975	38.336	29.361	-16.639	46.000
503.754	-5.965	45.795	39.831	-6.169	46.000
600.754	-4.051	36.025	31.975	-14.025	46.000
797.565	-1.736	31.262	29.526	-16.474	46.000
995.783	0.812	31.668	32.480	-21.520	54.000
Vertical					
107.319	-14.849	44.355	29.506	-13.994	43.500
311.159	-10.098	39.478	29.380	-16.620	46.000
503.754	-5.965	45.155	39.191	-6.809	46.000
600.754	-4.051	37.612	33.562	-12.438	46.000
796.159	-1.747	35.793	34.046	-11.954	46.000
984.536	0.670	30.356	31.025	-22.975	54.000

Note:

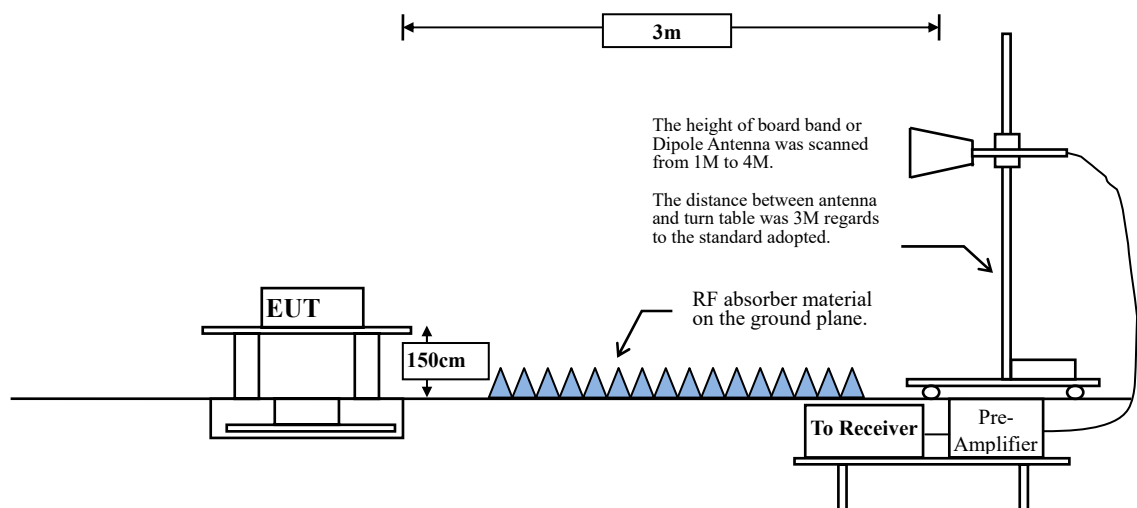
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

4. Band Edge

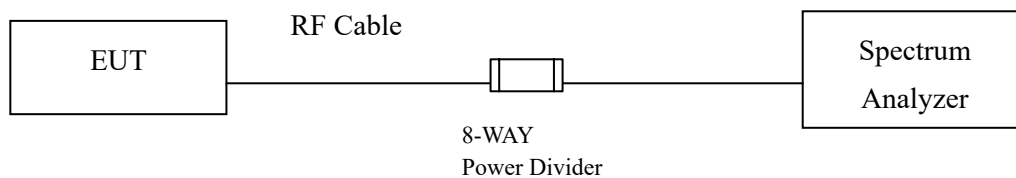
4.1. Test Setup

RF Radiated Measurement:

Above 1GHz



RF Conducted Measurement



4.2. Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

4.3. Test Procedure

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 can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

The bandwidth setting below 1GHz and above 1GHz on the field strength meter is 120 kHz and 1MHz, respectively.

4.4. Uncertainty

Horizontal polarization : 1-18GHz: ± 3.77 dB

Vertical polarization : 1-18GHz : ± 3.83 dB

4.5. Test Result of Band Edge

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 1: Transmit - 1Mbps (2402MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
00 (Peak)	2379.710	10.220	38.054	48.274	74.00	54.00	Pass
00 (Peak)	2390.000	10.262	36.392	46.654	74.00	54.00	Pass
00 (Peak)	2400.000	10.304	45.510	55.813	--	--	--
00 (Peak)	2402.029	10.312	77.399	87.711	--	--	--
00 (Average)	2390.000	10.262	24.652	34.914	74.00	54.00	Pass
00 (Average)	2400.000	10.304	28.039	38.342	--	--	--
00 (Average)	2402.029	10.312	66.312	76.624	--	--	--

Figure Channel 00: Horizontal (Peak)

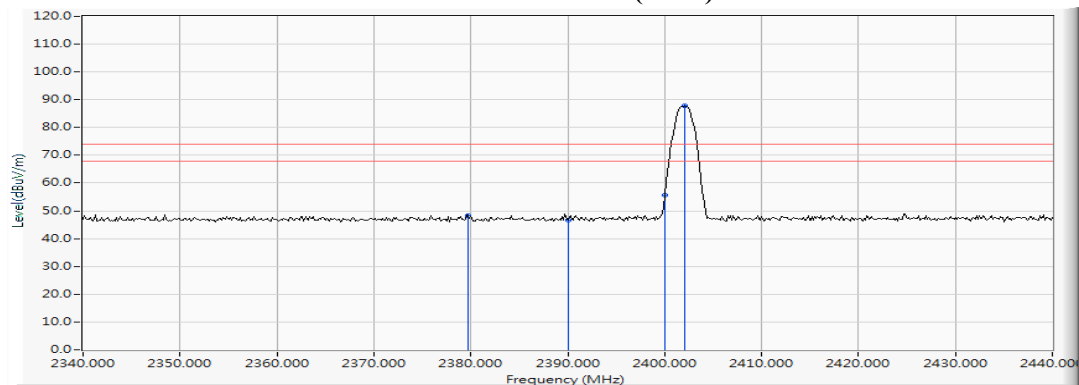
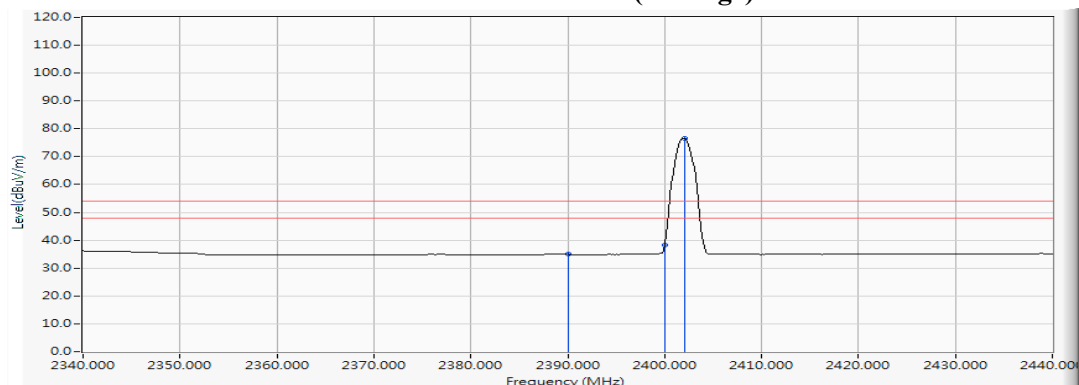


Figure Channel 00: Horizontal (Average)



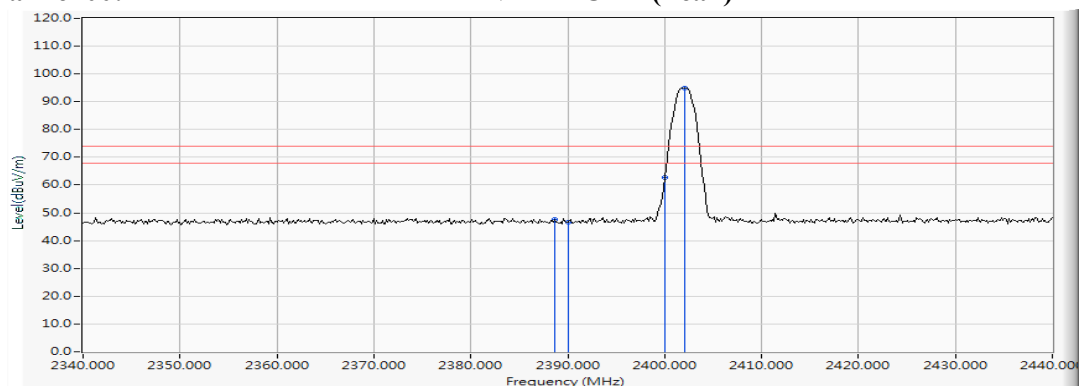
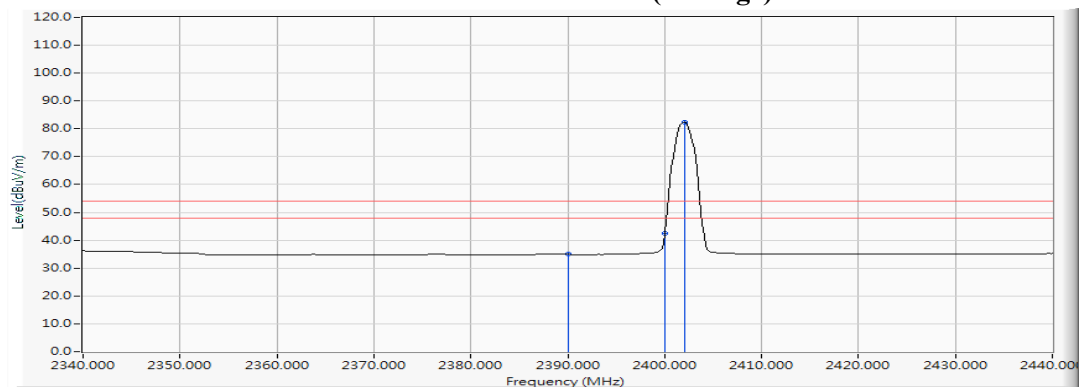
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 1: Transmit - 1Mbps (2402MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
00 (Peak)	2388.696	10.257	37.252	47.509	74.00	54.00	Pass
00 (Peak)	2390.000	10.262	36.393	46.655	74.00	54.00	Pass
00 (Peak)	2400.000	10.304	52.382	62.685	--	--	--
00 (Peak)	2402.029	10.312	84.732	95.044	--	--	--
00 (Average)	2390.000	10.262	24.676	34.938	74.00	54.00	Pass
00 (Average)	2400.000	10.304	32.137	42.440	--	--	--
00 (Average)	2402.029	10.312	72.085	82.397	--	--	--

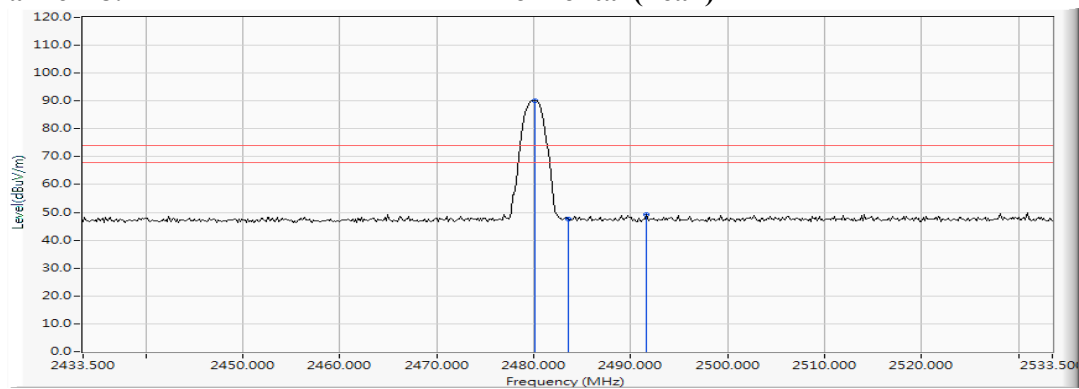
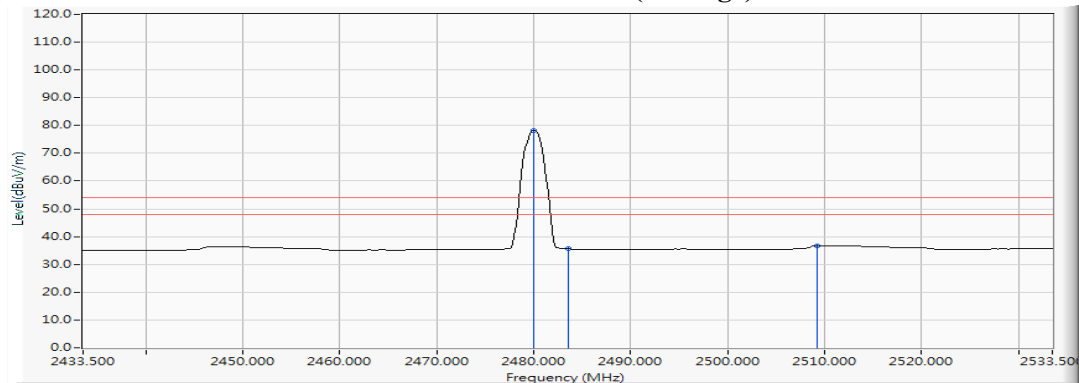
Figure Channel 00:**VERTICAL (Peak)****Figure Channel 00:****VERTICAL (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 1: Transmit - 1Mbps (2480MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
78 (Peak)	2480.167	10.629	79.516	90.145	--	--	--
78 (Peak)	2483.500	10.640	36.878	47.519	74.00	54.00	Pass
78 (Peak)	2491.616	10.673	38.427	49.100	74.00	54.00	Pass
78 (Average)	2480.022	10.628	67.615	78.243	--	--	--
78 (Average)	2483.500	10.640	24.956	35.597	74.00	54.00	Pass
78 (Average)	2509.297	10.713	26.116	36.829	74.00	54.00	Pass

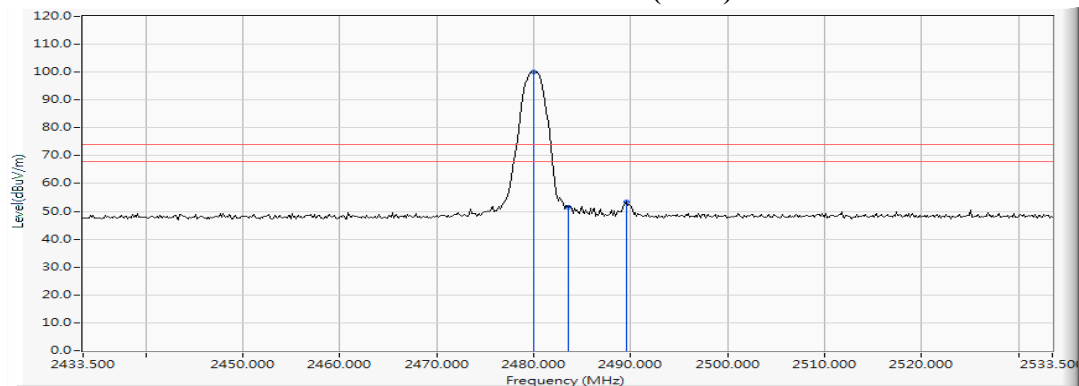
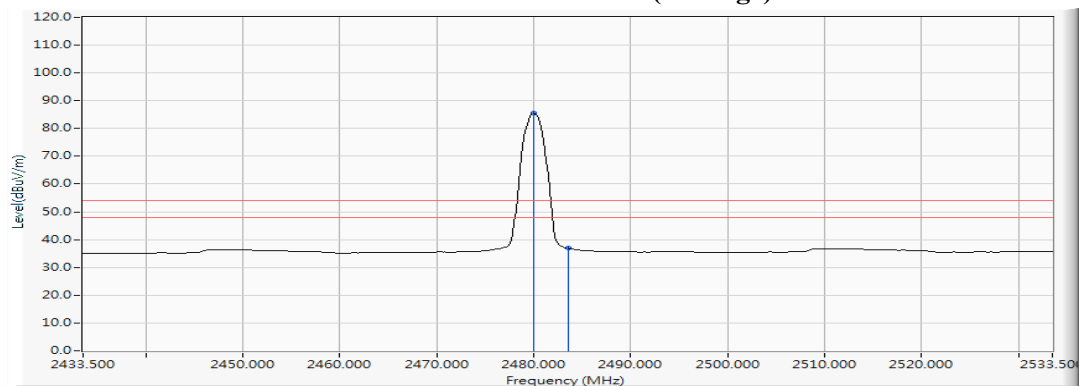
Figure Channel 78: Horizontal (Peak)

Figure Channel 78: Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 1: Transmit - 1Mbps (2480MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
78 (Peak)	2480.022	10.628	89.472	100.100	--	--	--
78 (Peak)	2483.500	10.640	40.989	51.630	74.00	54.00	Pass
78 (Peak)	2489.587	10.666	42.694	53.359	74.00	54.00	Pass
78 (Average)	2480.022	10.628	74.883	85.511	--	--	--
78 (Average)	2483.500	10.640	26.240	36.881	74.00	54.00	Pass

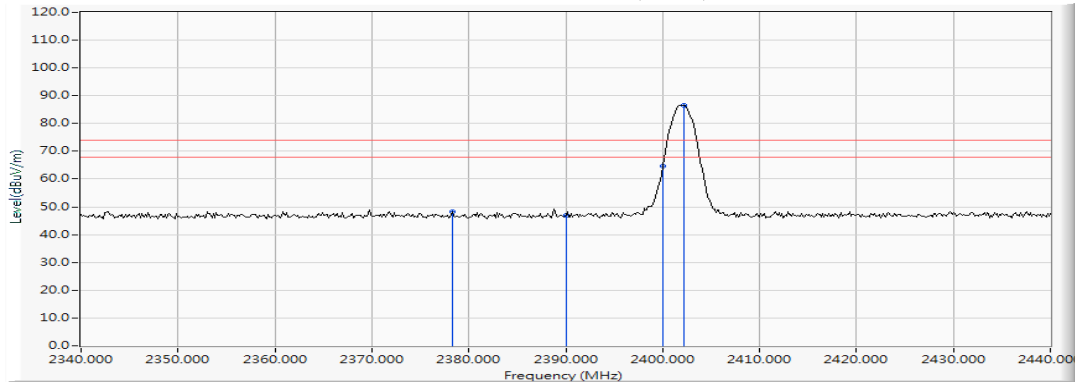
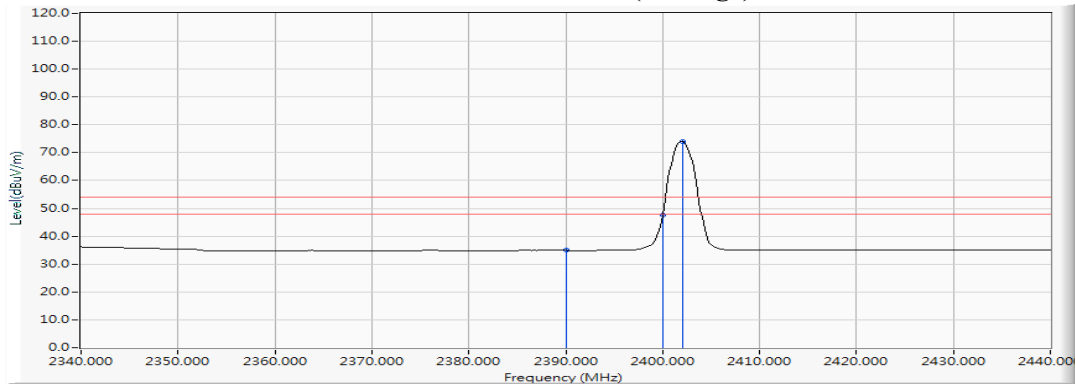
Figure Channel 78: VERTICAL (Peak)**Figure Channel 78: VERTICAL (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 2: Transmit - 2Mbps (2402MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
00 (Peak)	2378.261	10.214	38.000	48.214	74.00	54.00	Pass
00 (Peak)	2390.000	10.262	36.795	47.057	74.00	54.00	Pass
00 (Peak)	2400.000	10.304	54.299	64.602	--	--	--
00 (Peak)	2402.174	10.312	76.199	86.511	--	--	--
00 (Average)	2390.000	10.262	24.664	34.926	74.00	54.00	Pass
00 (Average)	2400.000	10.304	37.465	47.768	--	--	--
00 (Average)	2402.029	10.312	63.786	74.098	--	--	--

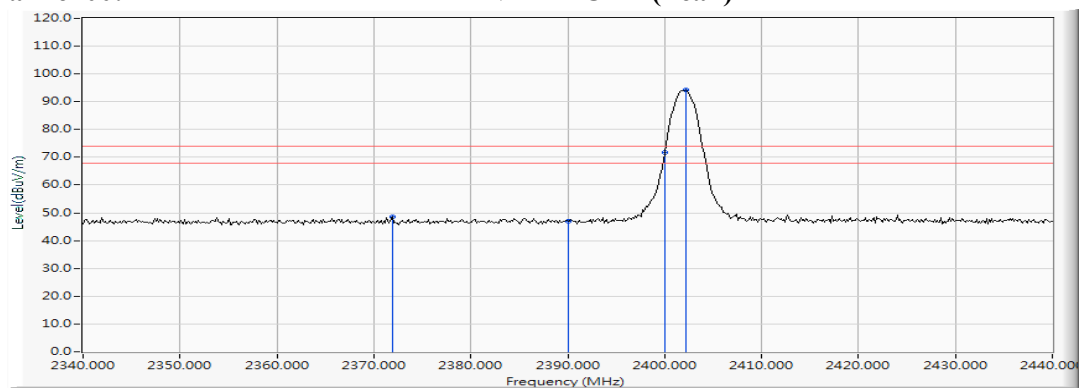
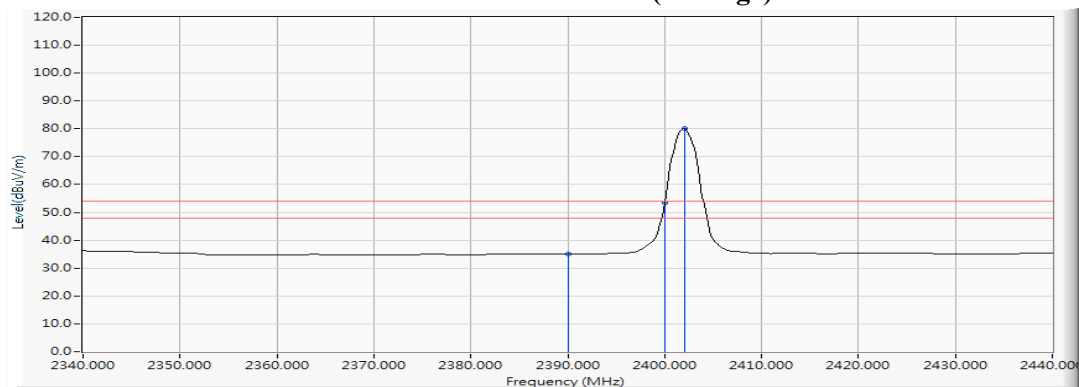
Figure Channel 00:**Horizontal (Peak)****Figure Channel 00:****Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 2: Transmit - 2Mbps (2402MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
00 (Peak)	2371.884	10.190	38.239	48.428	74.00	54.00	Pass
00 (Peak)	2390.000	10.262	36.698	46.960	74.00	54.00	Pass
00 (Peak)	2400.000	10.304	61.336	71.639	--	--	--
00 (Peak)	2402.174	10.312	83.796	94.108	--	--	--
00 (Average)	2390.000	10.262	24.824	35.086	74.00	54.00	Pass
00 (Average)	2400.000	10.304	43.175	53.478	--	--	--
00 (Average)	2402.029	10.312	69.791	80.103	--	--	--

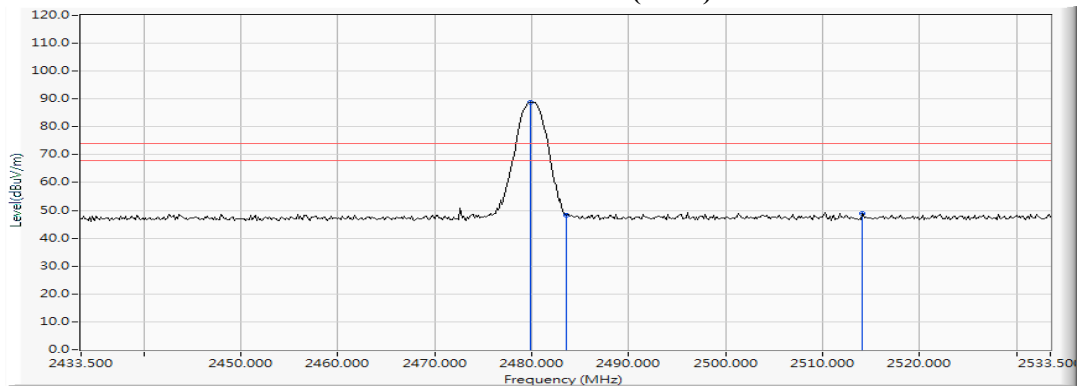
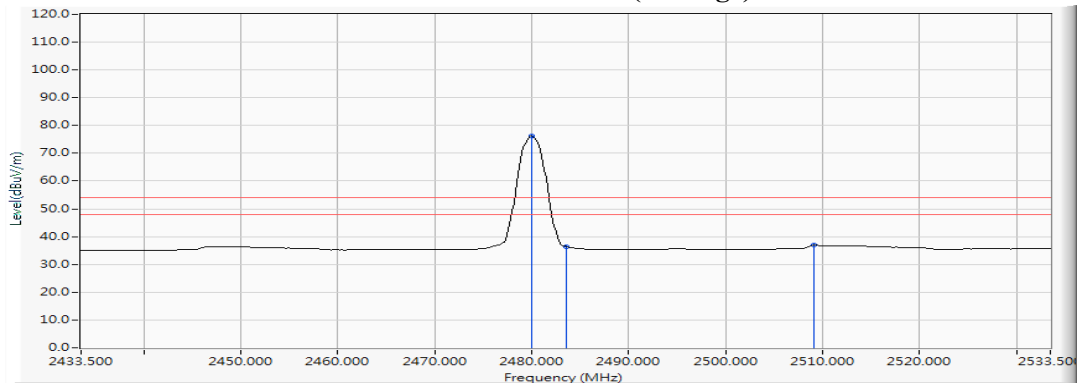
Figure Channel 00: VERTICAL (Peak)

Figure Channel 00: VERTICAL (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 2: Transmit - 2Mbps (2480MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
78 (Peak)	2479.877	10.628	78.318	88.945	--	--	--
78 (Peak)	2483.500	10.640	37.617	48.258	74.00	54.00	Pass
78 (Peak)	2514.080	10.722	38.293	49.015	74.00	54.00	Pass
78 (Average)	2480.022	10.628	65.517	76.145	--	--	--
78 (Average)	2483.500	10.640	25.708	36.349	74.00	54.00	Pass
78 (Average)	2509.152	10.713	26.142	36.855	74.00	54.00	Pass

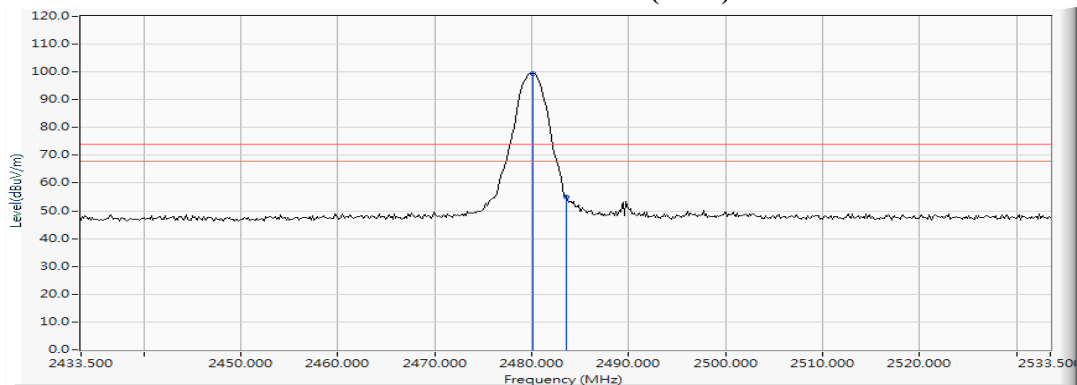
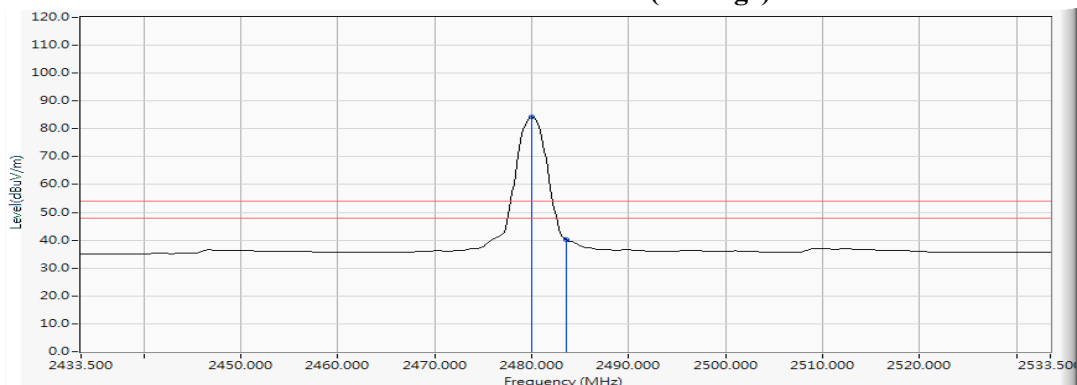
Figure Channel 78: Horizontal (Peak)**Figure Channel 78: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 2: Transmit - 2Mbps (2480MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
78 (Peak)	2480.167	10.629	88.720	99.349	--	--	--
78 (Peak)	2483.500	10.640	44.430	55.071	74.00	54.00	Pass
78 (Average)	2480.022	10.628	73.670	84.298	--	--	--
78 (Average)	2483.500	10.640	29.635	40.276	74.00	54.00	Pass

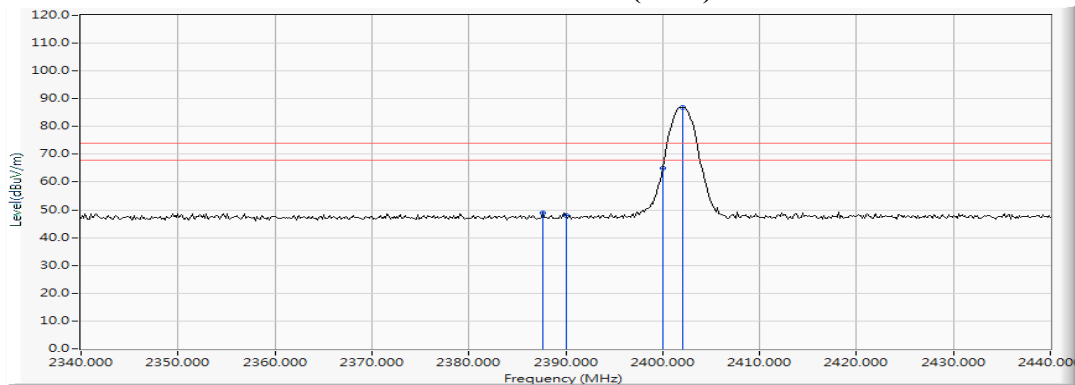
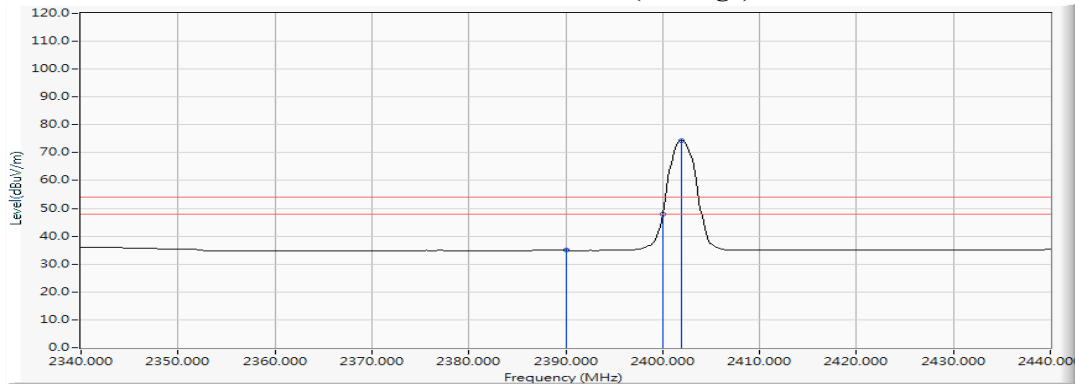
Figure Channel 78: VERTICAL (Peak)**Figure Channel 78: VERTICAL (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 3: Transmit - 3Mbps (2402MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
00 (Peak)	2387.681	10.252	38.526	48.778	74.00	54.00	Pass
00 (Peak)	2390.000	10.262	37.537	47.799	74.00	54.00	Pass
00 (Peak)	2400.000	10.304	54.687	64.990	--	--	--
00 (Peak)	2402.029	10.312	76.686	86.998	--	--	--
00 (Average)	2390.000	10.262	24.697	34.959	74.00	54.00	Pass
00 (Average)	2400.000	10.304	37.571	47.874	--	--	--
00 (Average)	2401.884	10.311	64.115	74.426	--	--	--

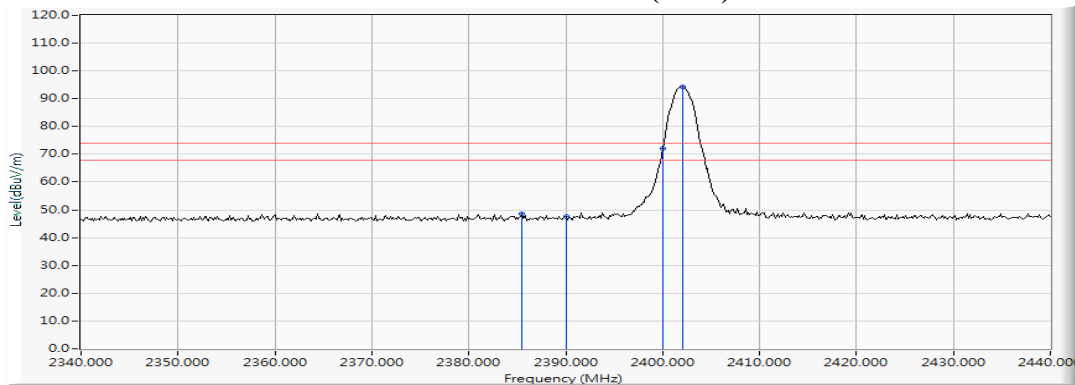
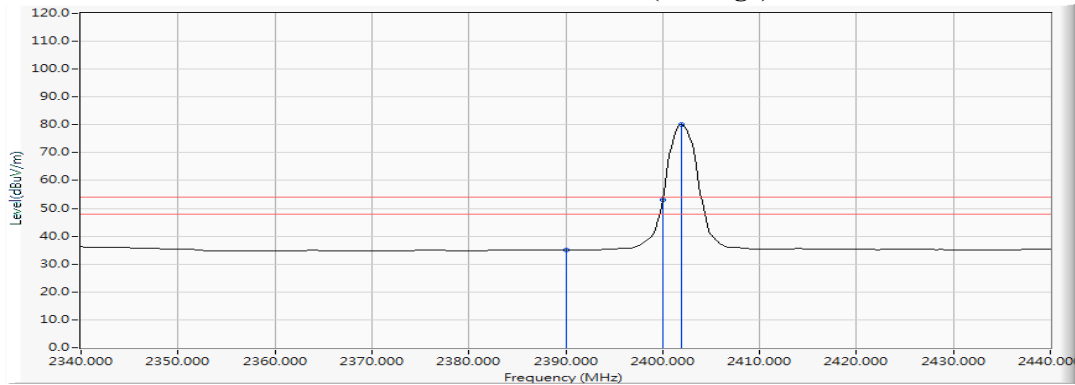
Figure Channel 00: Horizontal (Peak)**Figure Channel 00: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 3: Transmit - 3Mbps (2402MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
00 (Peak)	2385.507	10.244	38.439	48.682	74.00	54.00	Pass
00 (Peak)	2390.000	10.262	37.330	47.592	74.00	54.00	Pass
00 (Peak)	2400.000	10.304	61.669	71.972	--	--	--
00 (Peak)	2402.029	10.312	83.932	94.244	--	--	--
00 (Average)	2390.000	10.262	24.874	35.136	74.00	54.00	Pass
00 (Average)	2400.000	10.304	42.773	53.076	--	--	--
00 (Average)	2401.884	10.311	69.648	79.959	--	--	--

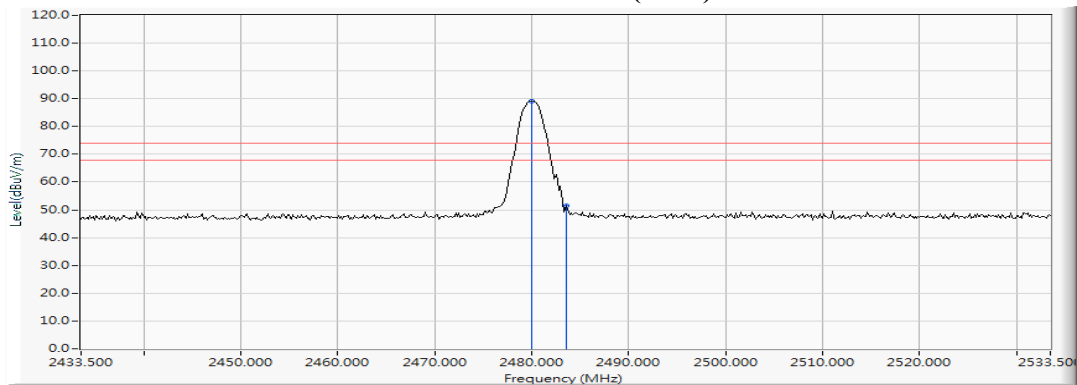
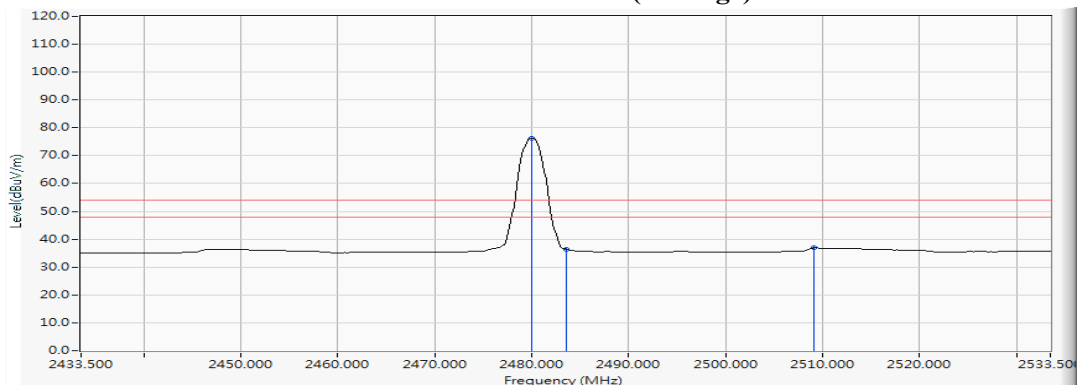
Figure Channel 00: VERTICAL (Peak)**Figure Channel 00: VERTICAL (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 3: Transmit - 3Mbps (2480MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
78 (Peak)	2480.022	10.628	78.560	89.188	--	--	Pass
78 (Peak)	2483.500	10.640	40.759	51.400	74.00	54.00	Pass
78 (Average)	2480.022	10.628	65.744	76.372	--	--	Pass
78 (Average)	2483.500	10.640	25.759	36.400	74.00	54.00	Pass
78 (Average)	2509.152	10.713	26.147	36.860	74.00	54.00	Pass

Figure Channel 00: Horizontal (Peak)

Figure Channel 00: Horizontal (Average)


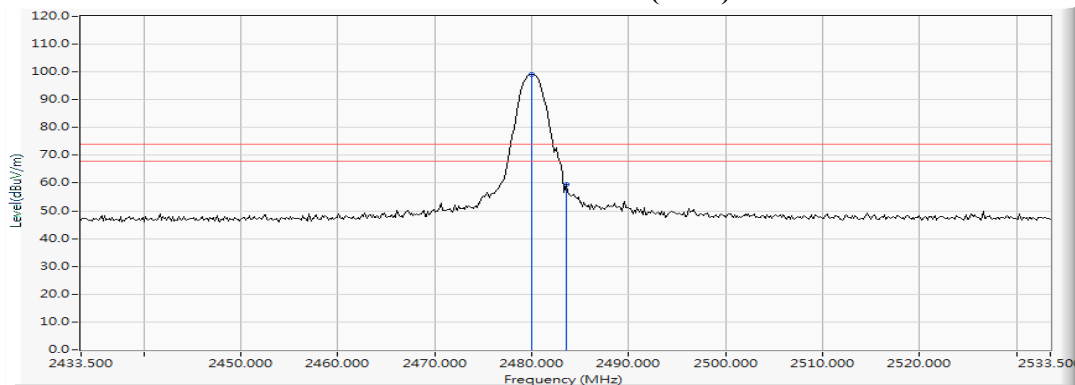
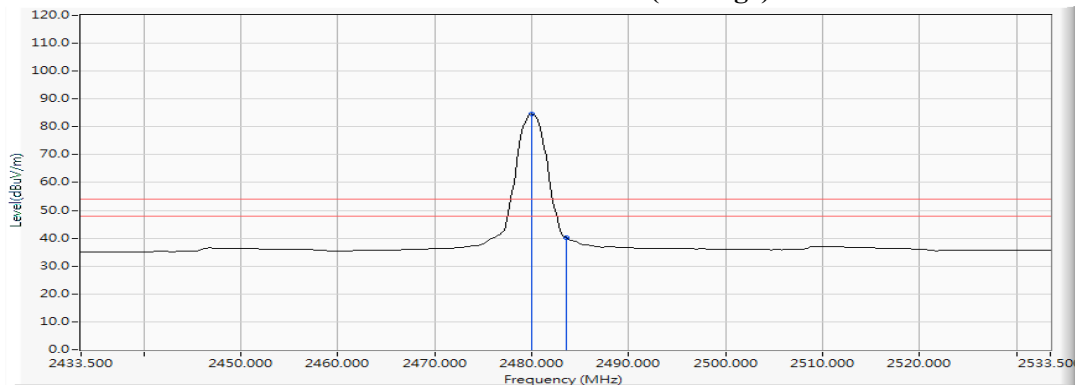
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product : Intel® Wireless-AC 9560
 Test Item : Band Edge
 Test date : 2018/03/13
 Test Mode : Mode 3: Transmit - 3Mbps (2480MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
78 (Peak)	2480.022	10.628	88.495	99.123	--	--	--
78 (Peak)	2483.500	10.640	48.764	59.405	74.00	54.00	Pass
78 (Average)	2480.022	10.628	73.849	84.477	--	--	--
78 (Average)	2483.500	10.640	29.493	40.134	74.00	54.00	Pass

Figure Channel 78: VERTICAL (Peak)

Figure Channel 78: VERTICAL (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correction Factor.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.