

# FCC Test Report

## (Class II Permissive Change)

Product Name	Intel® Wireless-AC 9462
Model No.	9462NGW
FCC ID.	PD99462NG

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. 28, 2018
Report No.	1820196R-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 report of the equipment and evaluated measurement uncertainty herein.

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## Test Report

Issued Date: Mar. 28, 2018

Report No.: 1820196R-RFUSP23V00



Product Name	Intel® Wireless-AC 9462
Applicant	Intel Mobile Communications
Address	100 Center Point Circle, Suite 200 Columbia, South Carolina 29210 USA
Manufacturer	Intel Mobile Communications
Model No.	9462NGW
FCC ID.	PD99462NG
EUT Rated Voltage	DC 3.3V (via Mini-PCI Express slot)
EUT Test Voltage	DC 3.3V (via Mini-PCI Express slot)
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 / Rita Huang )

Tested By :



( Engineer / Jason Tuan )

Approved By :



( Director / Vincent Lin )

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## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Intel® Wireless-AC 9462
Trade Name	Intel
Model No.	9462NGW
FCC ID.	PD99462NG
Frequency Range	2402 – 2480MHz
Channel Number	79
Type of Modulation	FHSS: GFSK(1Mbps) / $\pi$ /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 is conform to FCC 15.203

## Center Frequency of Each Channel: (For V3.0+HS, V2.1+EDR)

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 9462 with a built-in WLAN 、Bluetooth transceiver, this report for Bluetooth.
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: PD99462NG, originally granted on 12/11/2017.

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)

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

Test Mode	Mode 1: Transmit - 1Mbps (GFSK) Mode 2: Transmit - 2Mbps (4DQPSK) Mode 3: Transmit - 3Mbps (8DPSK)
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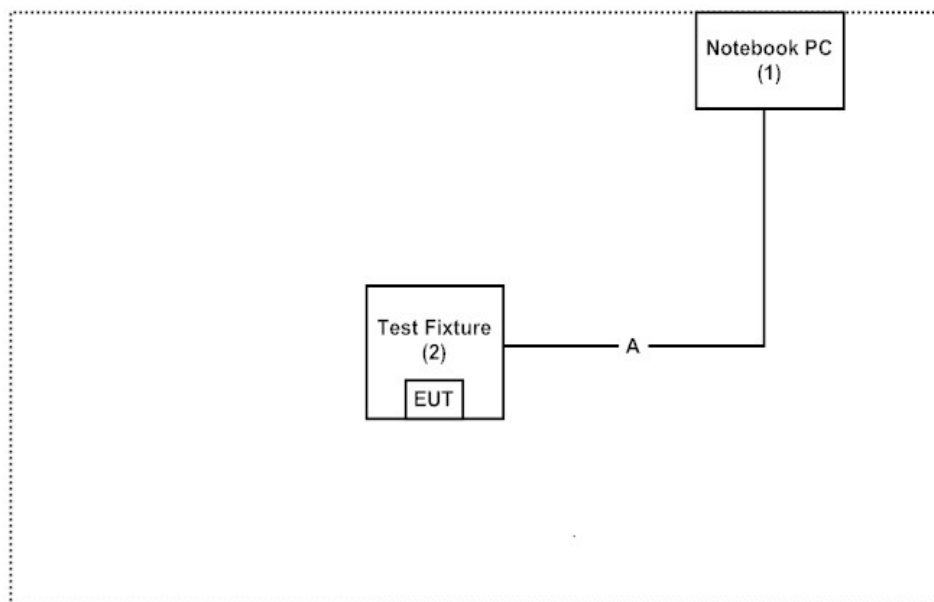
### 1.3. Tested System Details

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	N/A	N/A
2	Test Fixture	Intel	N/A	N/A

Signal Cable Type	Signal cable Description
A	Test Fixture Line

### 1.4. Configuration of Tested System



### 1.5. EUT Exercise Software

- (1) Setup the EUT as shown on 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) Start the continuous transmission.
- (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/chinese/about/certificates.aspx?bval=5>

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Accredited Number: 3023

Site Name: DEKRA Testing and Certification Co., Ltd  
Site Address: No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451,  
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E-Mail : [info.tw@dekra.com](mailto:info.tw@dekra.com)

FCC Accreditation Number: TW3023

### 1.7. List of Test Item and Equipment

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Power Meter	Keysight	8990B	MY51000410	2017/8/16	2018/8/15
X	Wideband power sensor	Keysight	N1923A	MY5608003	2017/8/16	2018/8/15
X	Spectrum Analyzer	R&S	FSP40	100170	2018/1/5	2019/1/3
	Loop Antenna	TESEQ	HLA6121	37133	2018/3/18	2019/3/17
X	Bi-Log Antenna	Schaffner Chase	CBL6112B	2707	2017/6/11	2018/6/10
X	Horn Antenna	ETS-Lindgren	3117	00203761	2017/10/15	2018/10/13
	Horn Antenna	Schwarzbeck	BBHA9170	209	2017/4/14	2018/4/13
X	Pre-Amplifier	QuieTek	QTK-LK-E-I-AMP4	N/A	2017/6/16	2018/6/15
X	Pre-Amplifier	EMCI	EMC012630SE	980210	2018/1/26	2019/1/24
	Pre-Amplifier	NARDA WE	DBL-1840N506	013	2017/8/6	2018/8/4
X	Filter	MicroTRON	BRM50701	019	2017/10/20	2018/10/18
	Filter	Microwave Circuits	N0257881	36681	2017/12/7	2018/12/5
X	Coaxial Cable	QTK(Arnist)	SUCOFLEX 106	L1606-015C	2017/6/23	2018/6/22
X	EMI Test Receiver	R&S	ESCS 30	838251/001	2017/7/21	2018/7/20
X	Coaxial Cable	QTK(Arnist)	RG 214	LC003-RG	2017/6/16	2018/6/15
X	Coaxial signal switch	Anritsu	MP59B	6201415889	2017/6/16	2018/6/15

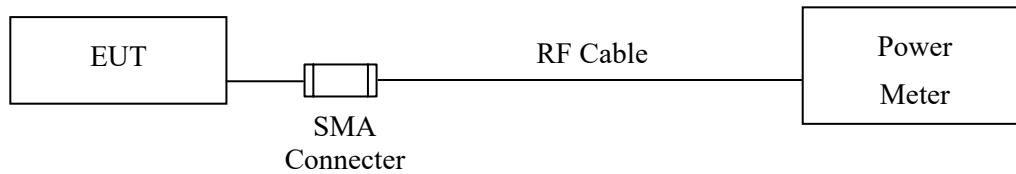
Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with “X” are used to measure the final test results.
3. Test Software version :QuieTek EMI 2.0 V2.1.113.



## 2. 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

$\pm 1.19$  dB

## 2.5. Test Result of Peak Power Output

Product : Intel® Wireless-AC 9462  
Test Item : Peak Power Output  
Test Site : No.3 OATS  
Test date : 2018/03/13  
Test Mode : Mode 1: Transmit - 1Mbps (GFSK)

### Chain A

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	9.38	1 Watt= 30 dBm	Pass
39	2441.00	9.91	1 Watt= 30 dBm	Pass
78	2480.00	10.34	1 Watt= 30 dBm	Pass

### Chain B

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	8.86	1 Watt= 30 dBm	Pass
39	2441.00	9.59	1 Watt= 30 dBm	Pass
78	2480.00	10.25	1 Watt= 30 dBm	Pass

Product : Intel® Wireless-AC 9462  
Test Item : Peak Power Output  
Test Site : No.3 OATS  
Test date : 2018/03/13  
Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK)

## Chain A

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	8.92	1 Watt= 30 dBm	Pass
39	2441.00	9.42	1 Watt= 30 dBm	Pass
78	2480.00	10.01	1 Watt= 30 dBm	Pass

## Chain B

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	8.38	1 Watt= 30 dBm	Pass
39	2441.00	8.98	1 Watt= 30 dBm	Pass
78	2480.00	9.63	1 Watt= 30 dBm	Pass

Product : Intel® Wireless-AC 9462  
Test Item : Peak Power Output  
Test Site : No.3 OATS  
Test date : 2018/03/13  
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)

## Chain A

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	8.97	1 Watt= 30 dBm	Pass
39	2441.00	9.43	1 Watt= 30 dBm	Pass
78	2480.00	9.71	1 Watt= 30 dBm	Pass

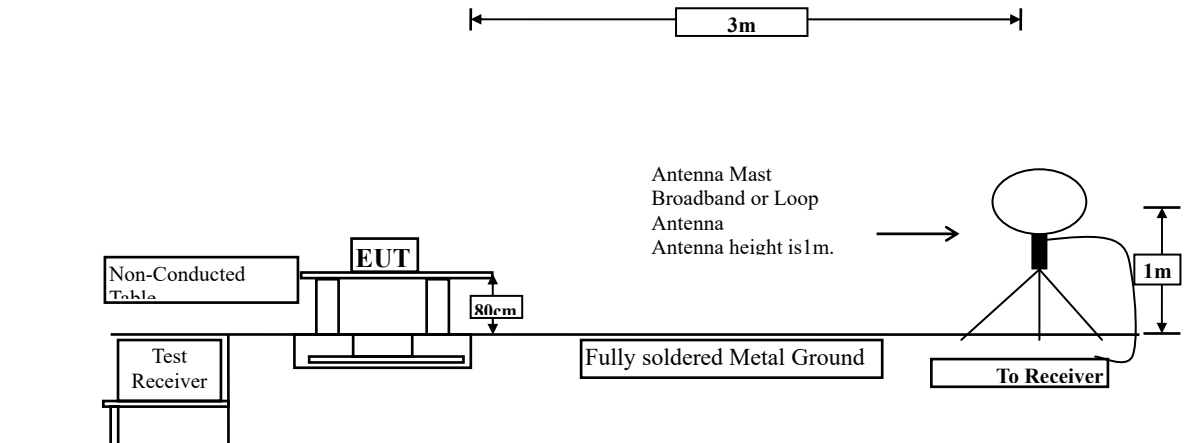
## Chain B

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	8.51	1 Watt= 30 dBm	Pass
39	2441.00	8.93	1 Watt= 30 dBm	Pass
78	2480.00	9.43	1 Watt= 30 dBm	Pass

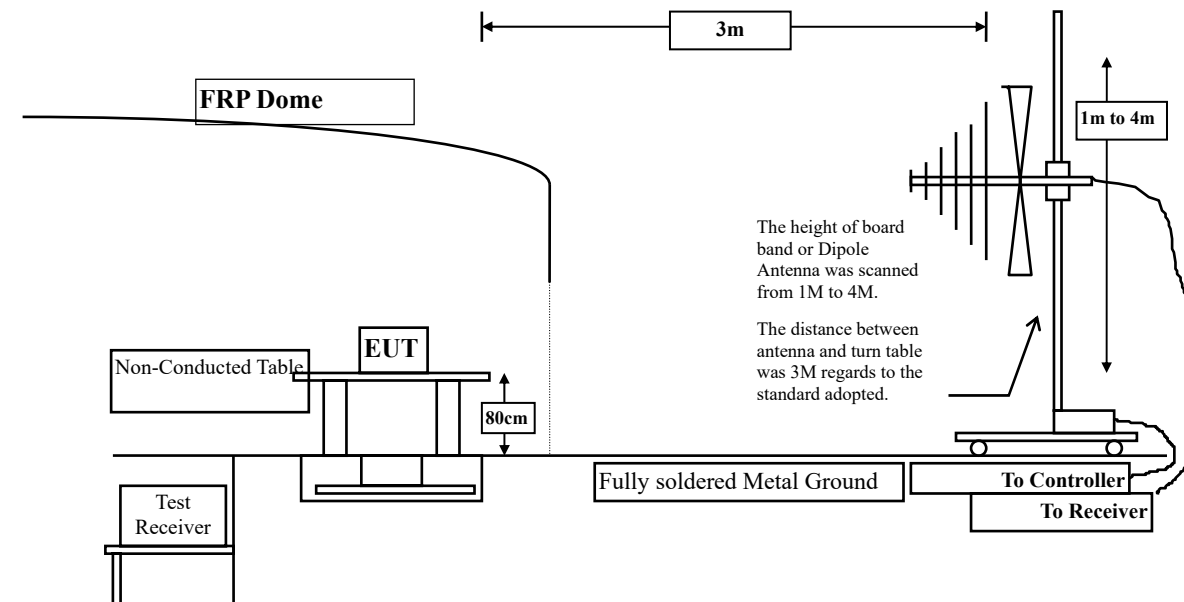
### 3. Radiated Emission

#### 3.1. Test Setup

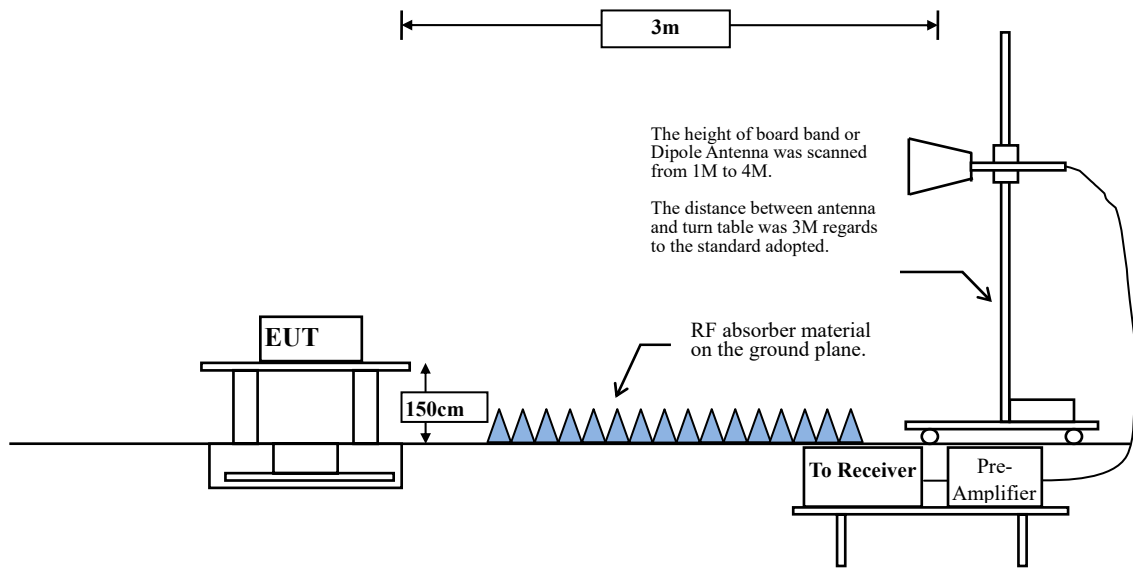
Under 30MHz



Below 1GHz



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	uV/m @3m	dBμV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

- 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

± 4.08 dB above 1GHz

± 4.22 dB below 1GHz

### 3.5. Test Result of Radiated Emission

Product : Intel® Wireless-AC 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2402MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4804.000	-9.896	51.600	41.704	-32.296	74.000
7206.000	-5.013	55.030	50.017	-23.983	74.000
9608.000	-1.471	48.160	46.689	-27.311	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4804.000	-6.585	50.540	43.955	-30.045	74.000
7206.000	-4.144	55.440	51.296	-22.704	74.000
9608.000	-1.075	49.020	47.946	-26.054	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2441MHz) - Chain A

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB $\mu$ V	dB $\mu$ V/m	dB	dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4882.000	-10.318	47.920	37.602	-36.398	74.000
7323.000	-3.858	52.790	48.932	-25.068	74.000
9764.000	-2.596	46.870	44.274	-29.726	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4882.000	-7.606	50.040	42.434	-31.566	74.000
7323.000	-2.977	53.090	50.114	-23.886	74.000
9764.000	-2.131	47.990	45.859	-28.141	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2480MHz) - Chain A

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4960.000	-10.666	46.180	35.515	-38.485	74.000
7440.000	-3.631	47.850	44.219	-29.781	74.000
9920.000	-2.397	48.630	46.233	-27.767	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4960.000	-7.869	49.810	41.942	-32.058	74.000
7440.000	-2.772	49.680	46.908	-27.092	74.000
9920.000	-1.895	49.190	47.295	-26.705	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz) - Chain A

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB $\mu$ V	dB $\mu$ V/m	dB	dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4804.000	-9.896	47.070	37.174	-36.826	74.000
7206.000	-5.013	49.950	44.937	-29.063	74.000
9608.000	-1.472	44.700	43.229	-30.771	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4804.000	-6.585	49.810	43.225	-30.775	74.000
7206.000	-4.144	49.880	45.736	-28.264	74.000
9608.000	-1.075	45.230	44.156	-29.844	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz) - Chain A

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB $\mu$ V	dB $\mu$ V/m	dB	dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4882.000	-10.318	46.770	36.452	-37.548	74.000
7323.000	-3.858	48.030	44.172	-29.828	74.000
9764.000	-2.596	43.290	40.694	-33.306	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4882.000	-7.606	49.120	41.514	-32.486	74.000
7323.000	-2.977	48.440	45.464	-28.536	74.000
9764.000	-2.131	44.640	42.509	-31.491	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz) - Chain A

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB $\mu$ V	dB $\mu$ V/m	dB	dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4960.000	-10.666	46.550	35.885	-38.115	74.000
7440.000	-3.631	44.740	41.109	-32.891	74.000
9920.000	-2.397	45.410	43.013	-30.987	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4960.000	-7.869	48.710	40.842	-33.158	74.000
7440.000	-2.772	45.520	42.748	-31.252	74.000
9920.000	-1.895	45.290	43.395	-30.605	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)(2402MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4804.000	-9.896	49.500	39.604	-34.396	74.000
7206.000	-5.013	50.270	45.257	-28.743	74.000
9608.000	-1.472	44.160	42.689	-31.311	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4804.000	-6.585	50.000	43.415	-30.585	74.000
7206.000	-4.144	50.250	46.106	-27.894	74.000
9608.000	-1.075	45.320	44.246	-29.754	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4882.000	-10.318	46.540	36.222	-37.778	74.000
7323.000	-3.858	47.530	43.672	-30.328	74.000
9764.000	-2.596	44.200	41.604	-32.396	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4882.000	-7.606	49.410	41.804	-32.196	74.000
7323.000	-2.977	48.090	45.114	-28.886	74.000
9764.000	-2.131	44.150	42.019	-31.981	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4960.000	-10.666	46.150	35.485	-38.515	74.000
7440.000	-3.631	44.980	41.349	-32.651	74.000
9920.000	-2.397	45.030	42.633	-31.367	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4960.000	-7.869	48.470	40.602	-33.398	74.000
7440.000	-2.772	44.930	42.158	-31.842	74.000
9920.000	-1.895	44.920	43.025	-30.975	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2402MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4804.000	-9.896	49.220	39.324	-34.676	74.000
7206.000	-5.013	50.960	45.947	-28.053	74.000
9608.000	-1.472	46.260	44.789	-29.211	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4804.000	-6.585	50.450	43.865	-30.135	74.000
7206.000	-4.144	52.230	48.086	-25.914	74.000
9608.000	-1.075	46.870	45.796	-28.204	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2441MHz) - Chain B

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB $\mu$ V	dB $\mu$ V/m	dB	dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4882.000	-10.318	47.010	36.692	-37.308	74.000
7323.000	-3.858	51.480	47.622	-26.378	74.000
9764.000	-2.596	45.810	43.214	-30.786	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4882.000	-7.606	49.630	42.024	-31.976	74.000
7323.000	-2.977	51.830	48.854	-25.146	74.000
9764.000	-2.131	47.200	45.069	-28.931	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2480MHz) - Chain B

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB $\mu$ V	dB $\mu$ V/m	dB	dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4960.000	-10.666	46.440	35.775	-38.225	74.000
7440.000	-3.631	47.880	44.249	-29.751	74.000
9920.000	-2.397	48.250	45.853	-28.147	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4960.000	-7.869	49.330	41.462	-32.538	74.000
7440.000	-2.772	49.550	46.778	-27.222	74.000
9920.000	-1.895	48.930	47.035	-26.965	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz) - Chain B

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level	dB	dBμV/m
	dB	dBμV	dBμV/m		
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4804.000	-9.896	46.450	36.554	-37.446	74.000
7206.000	-5.013	46.500	41.487	-32.513	74.000
9608.000	-1.472	43.600	42.129	-31.871	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4804.000	-6.585	49.970	43.385	-30.615	74.000
7206.000	-4.144	47.170	43.026	-30.974	74.000
9608.000	-1.075	44.510	43.436	-30.564	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz) - Chain B

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4882.000	-10.318	46.300	35.982	-38.018	74.000
7323.000	-3.858	46.340	42.482	-31.518	74.000
9764.000	-2.596	43.010	40.414	-33.586	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4882.000	-7.606	49.280	41.674	-32.326	74.000
7323.000	-2.977	47.560	44.584	-29.416	74.000
9764.000	-2.131	43.510	41.379	-32.621	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz) - Chain B

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4960.000	-10.666	46.130	35.465	-38.535	74.000
7440.000	-3.631	44.560	40.929	-33.071	74.000
9920.000	-2.397	45.160	42.763	-31.237	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4960.000	-7.869	48.730	40.862	-33.138	74.000
7440.000	-2.772	45.550	42.778	-31.222	74.000
9920.000	-1.895	45.210	43.315	-30.685	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)(2402MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4804.000	-9.896	46.990	37.094	-36.906	74.000
7206.000	-5.013	46.750	41.737	-32.263	74.000
9608.000	-1.472	44.750	43.279	-30.721	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4804.000	-6.585	50.170	43.585	-30.415	74.000
7206.000	-4.144	47.500	43.356	-30.644	74.000
9608.000	-1.075	44.460	43.386	-30.614	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4882.000	-10.318	46.370	36.052	-37.948	74.000
7323.000	-3.858	46.180	42.322	-31.678	74.000
9764.000	-2.596	43.270	40.674	-33.326	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4882.000	-7.606	48.670	41.064	-32.936	74.000
7323.000	-2.977	47.360	44.384	-29.616	74.000
9764.000	-2.131	43.960	41.829	-32.171	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : Harmonic Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/14  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4960.000	-10.666	45.810	35.145	-38.855	74.000
7440.000	-3.631	44.580	40.949	-33.051	74.000
9920.000	-2.397	44.820	42.423	-31.577	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
4960.000	-7.869	48.050	40.182	-33.818	74.000
7440.000	-2.772	44.830	42.058	-31.942	74.000
9920.000	-1.895	44.800	42.905	-31.095	74.000
<b>Average</b>					
<b>Detector:</b>					
--	--	--	--	--	54.000

## Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement 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 9462  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/16  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
39.700	-3.625	40.317	36.692	-3.308	40.000
125.060	-7.335	39.875	32.540	-10.960	43.500
250.190	-6.134	39.035	32.902	-13.098	46.000
387.930	1.083	31.328	32.411	-13.589	46.000
532.460	3.099	30.894	33.993	-12.007	46.000
897.180	5.487	35.297	40.784	-5.216	46.000
<b>Vertical</b>					
107.600	-4.027	40.664	36.637	-6.863	43.500
163.860	-4.819	36.769	31.950	-11.550	43.500
377.260	0.647	26.785	27.432	-18.568	46.000
536.340	1.609	24.313	25.922	-20.078	46.000
747.800	1.665	24.194	25.859	-20.141	46.000
930.160	3.830	23.077	26.907	-19.093	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 9462  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/16  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
30.000	-0.150	38.741	38.591	-1.409	40.000
106.630	-7.622	43.681	36.059	-7.441	43.500
153.190	-7.964	42.579	34.615	-8.885	43.500
264.740	-5.501	35.382	29.882	-16.118	46.000
375.320	0.918	30.786	31.704	-14.296	46.000
532.460	3.099	26.600	29.699	-16.301	46.000
<b>Vertical</b>					
74.620	-7.726	46.531	38.805	-1.195	40.000
106.630	-4.302	42.653	38.351	-5.149	43.500
179.380	-0.824	32.095	31.271	-12.229	43.500
379.200	0.881	28.457	29.338	-16.662	46.000
531.490	1.197	35.551	36.747	-9.253	46.000
819.580	3.001	23.555	26.556	-19.444	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 9462  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/16  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
30.970	-0.328	39.655	39.327	-0.673	40.000
106.630	-7.622	43.983	36.361	-7.139	43.500
361.740	-0.006	30.362	30.355	-15.645	46.000
459.710	3.729	25.947	29.676	-16.324	46.000
603.270	4.075	23.902	27.977	-18.023	46.000
824.430	7.304	24.206	31.510	-14.490	46.000
<b>Vertical</b>					
107.600	-4.027	42.296	38.269	-5.231	43.500
206.540	-5.509	41.307	35.798	-7.702	43.500
385.020	-0.441	31.601	31.160	-14.840	46.000
532.460	1.209	28.764	29.973	-16.027	46.000
694.450	1.570	24.611	26.181	-19.819	46.000
927.250	3.490	23.910	27.400	-18.600	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.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Intel® Wireless-AC 9462  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/16  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
30.000	-0.150	37.594	37.444	-2.556	40.000
106.630	-7.622	44.598	36.976	-6.524	43.500
285.110	-5.674	38.692	33.018	-12.982	46.000
393.750	0.722	31.241	31.963	-14.037	46.000
531.490	3.067	30.115	33.181	-12.819	46.000
920.460	6.792	23.767	30.559	-15.441	46.000
<b>Vertical</b>					
77.530	-6.057	44.718	38.661	-1.339	40.000
106.630	-4.302	43.937	39.635	-3.865	43.500
180.350	-1.132	32.498	31.366	-12.134	43.500
393.750	-1.468	31.647	30.179	-15.821	46.000
692.510	1.917	24.125	26.042	-19.958	46.000
809.880	3.026	23.893	26.919	-19.081	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 9462  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/16  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
30.000	-0.150	37.165	37.015	-2.985	40.000
106.630	-7.622	43.917	36.295	-7.205	43.500
191.990	-9.887	42.212	32.325	-11.175	43.500
381.140	1.386	28.567	29.953	-16.047	46.000
608.120	3.925	24.341	28.266	-17.734	46.000
829.280	7.376	22.948	30.324	-15.676	46.000
<b>Vertical</b>					
76.560	-6.510	43.865	37.355	-2.645	40.000
106.630	-4.302	42.317	38.015	-5.485	43.500
180.350	-1.132	31.637	30.505	-12.995	43.500
373.380	0.043	28.170	28.213	-17.787	46.000
533.430	1.220	27.484	28.704	-17.296	46.000
677.960	0.840	26.515	27.355	-18.645	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 9462  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test date : 2018/03/16  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
30.000	-0.150	38.395	38.245	-1.755	40.000
106.630	-7.622	44.423	36.801	-6.699	43.500
191.990	-9.887	41.780	31.893	-11.607	43.500
364.650	0.281	30.943	31.224	-14.776	46.000
533.430	3.130	30.819	33.949	-12.051	46.000
726.460	3.832	23.335	27.167	-18.833	46.000
<b>Vertical</b>					
106.630	-4.302	42.950	38.648	-4.852	43.500
180.350	-1.132	32.328	31.196	-12.304	43.500
374.350	0.224	34.631	34.855	-11.145	46.000
531.490	1.197	26.482	27.678	-18.322	46.000
694.450	1.570	25.561	27.131	-18.869	46.000
920.460	3.272	23.308	26.580	-19.420	46.000

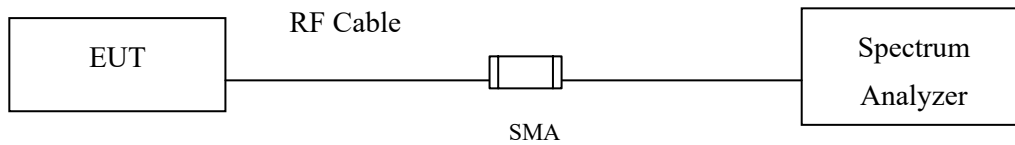
## Note:

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.
8. No emission found between lowest internal used/generated frequency to 30MHz.

## 4. Band Edge

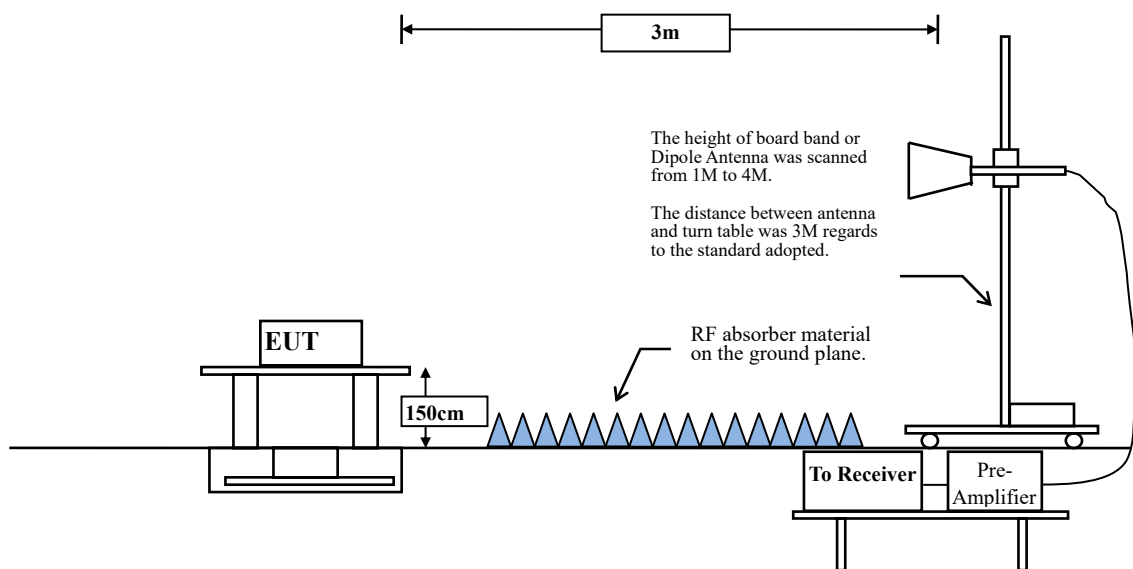
### 4.1. Test Setup

#### RF Conducted Measurement



#### RF Radiated Measurement:

Above 1GHz





#### **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**

± 4.08 dB above 1GHz

± 4.22 dB below 1GHz

#### 4.5. Test Result of Band Edge

Product : Intel® Wireless-AC 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2402MHz) - Chain A

##### RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2374.928	6.408	42.362	48.770	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	41.096	47.571	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	56.988	63.516	--	--	--
00 (Peak)	2402.029	6.540	88.889	95.429	--	--	--
00 (Average)	2363.623	6.357	25.929	32.286	74.000	54.000	Pass
00 (Average)	2390.000	6.474	22.753	29.228	74.000	54.000	Pass
00 (Average)	2400.000	6.528	34.598	41.126	--	--	--
00 (Average)	2402.029	6.540	75.052	81.592	--	--	--

Figure Channel 00:

Horizontal (Peak)

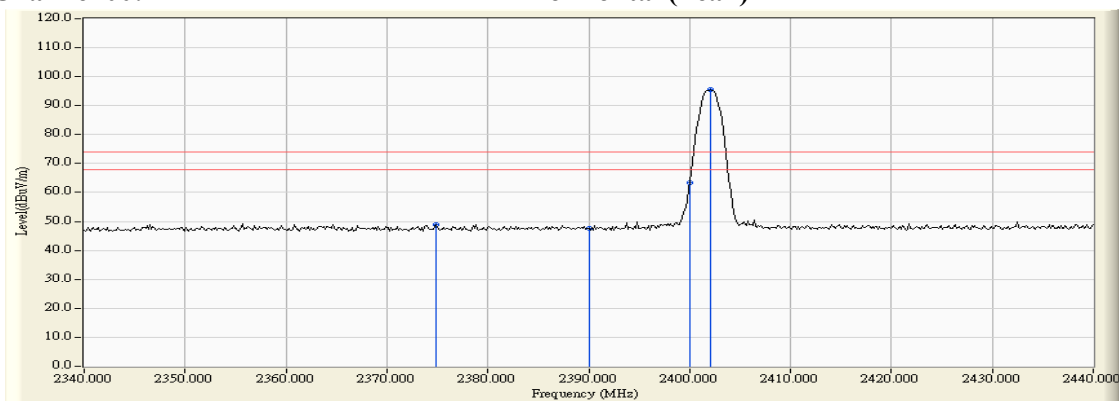
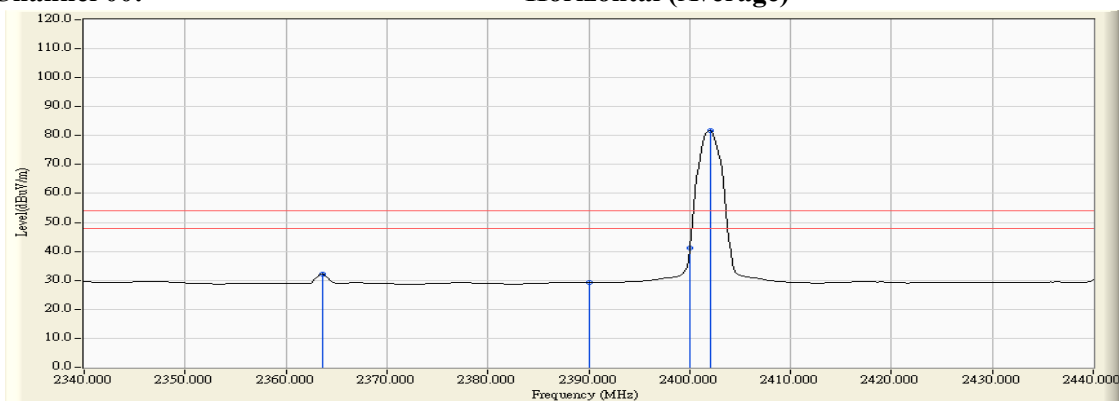


Figure Channel 00:

Horizontal (Average)



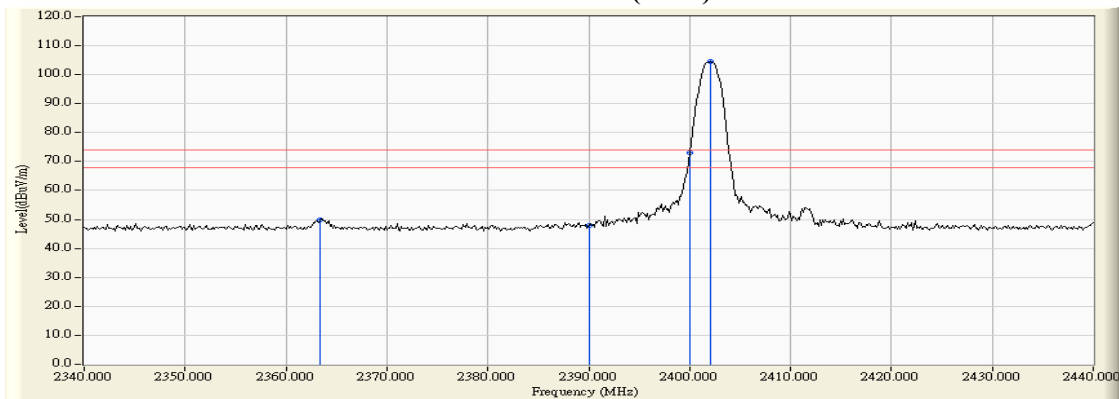
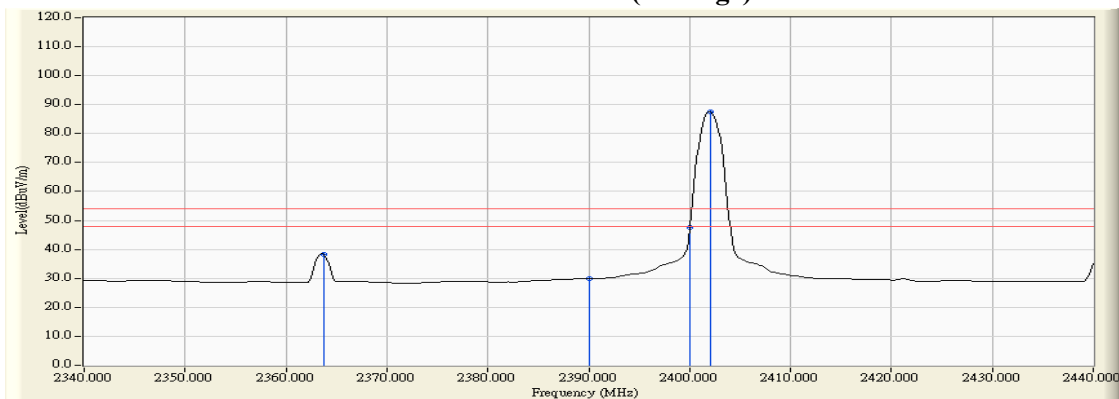
Note:

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2402MHz) - Chain A

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2363.333	5.990	43.762	49.752	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	42.137	48.018	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	67.091	72.970	--	--	--
00 (Peak)	2402.029	5.884	98.574	104.458	--	--	--
00 (Average)	2363.768	5.988	32.366	38.354	74.000	54.000	Pass
00 (Average)	2390.000	5.880	24.035	29.916	74.000	54.000	Pass
00 (Average)	2400.000	5.879	41.636	47.515	--	--	--
00 (Average)	2402.029	5.884	81.648	87.532	--	--	--

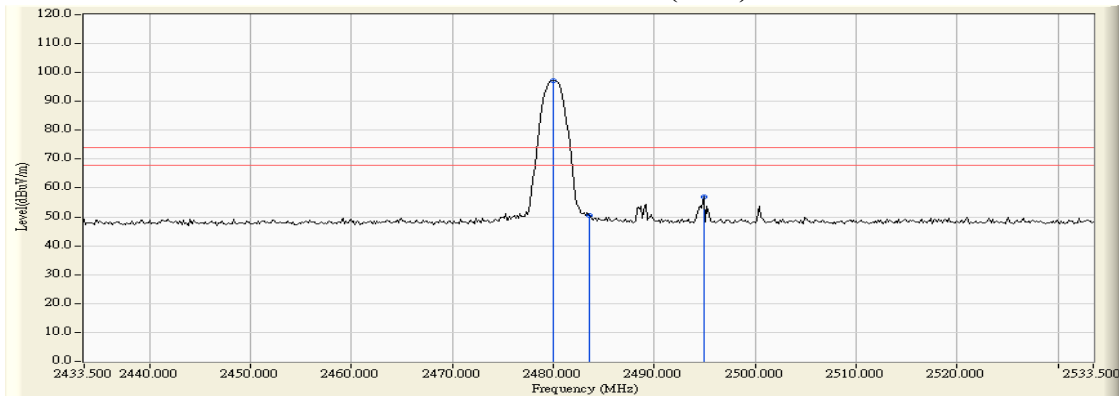
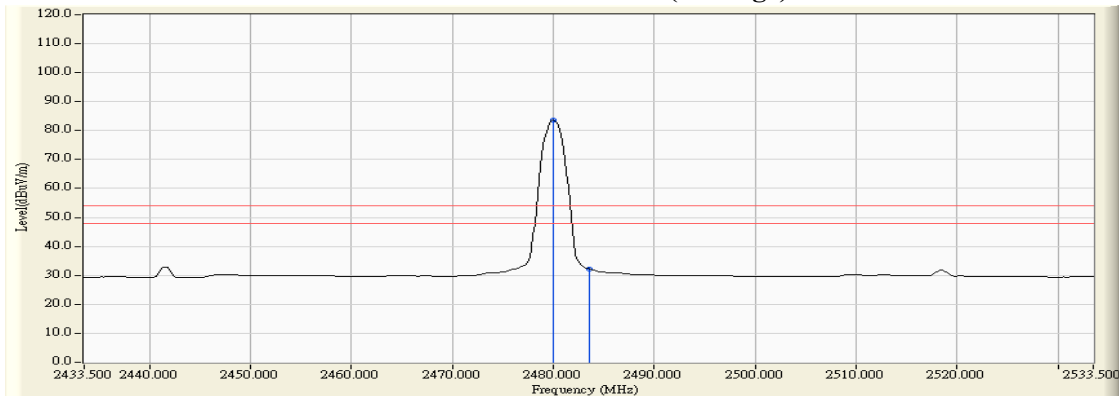
**Figure Channel 00:**
**Vertical (Peak)**

**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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2480MHz) - Chain A

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2480.022	7.086	90.046	97.131	--	--	--
78 (Peak)	2483.500	7.110	43.445	50.555	74.000	54.000	Pass
78 (Peak)	2494.949	7.191	49.726	56.917	74.000	54.000	Pass
78 (Average)	2480.022	7.086	76.534	83.619	--	--	--
78 (Average)	2483.500	7.110	25.098	32.208	74.000	54.000	Pass

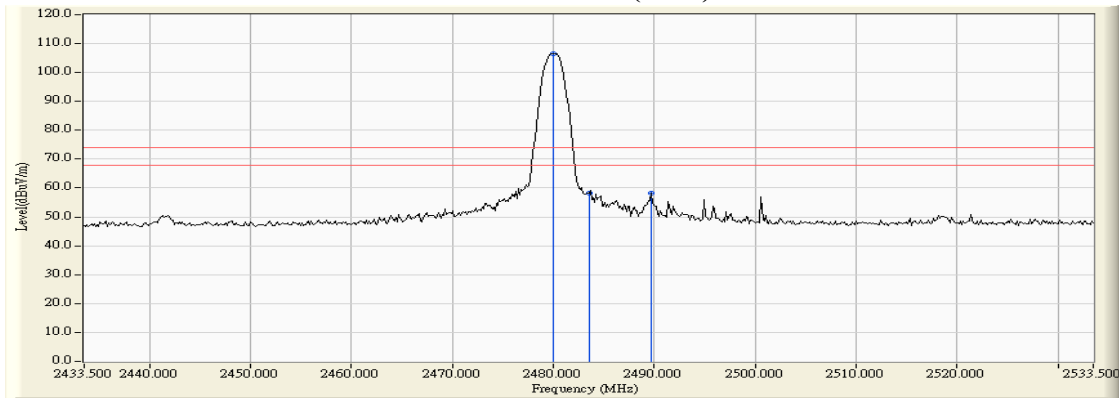
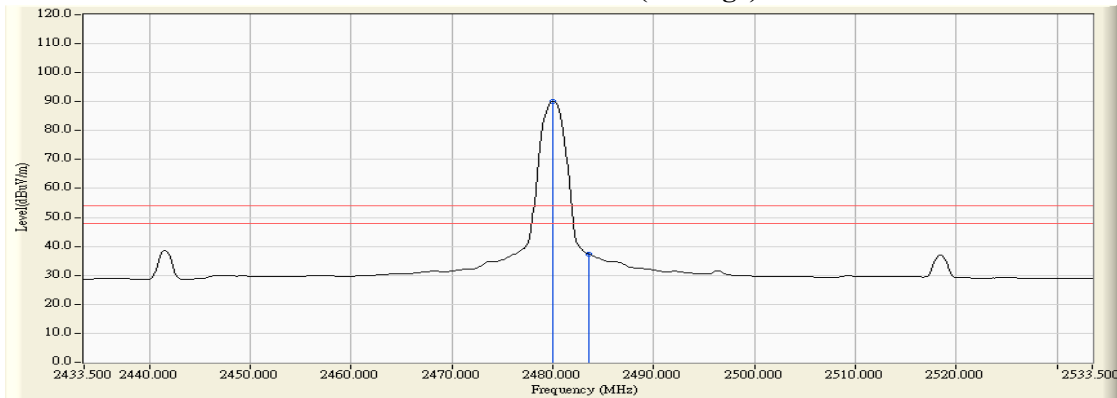
**Figure Channel 78: Horizontal (Peak)**

**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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2480MHz) - Chain A

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2480.022	6.342	100.191	106.533	--	--	--
78 (Peak)	2483.500	6.363	51.934	58.297	74.000	54.000	Pass
78 (Peak)	2489.732	6.403	51.940	58.342	74.000	54.000	Pass
78 (Average)	2480.022	6.342	83.840	90.182	--	--	--
78 (Average)	2483.500	6.363	31.048	37.411	74.000	54.000	Pass

**Figure Channel 78: Vertical (Peak)**

**Figure Channel 78: Vertical (Average)**


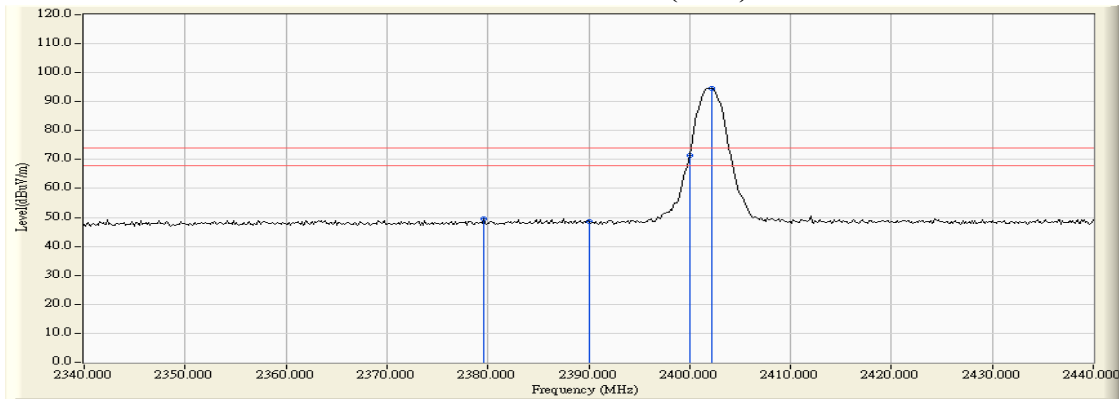
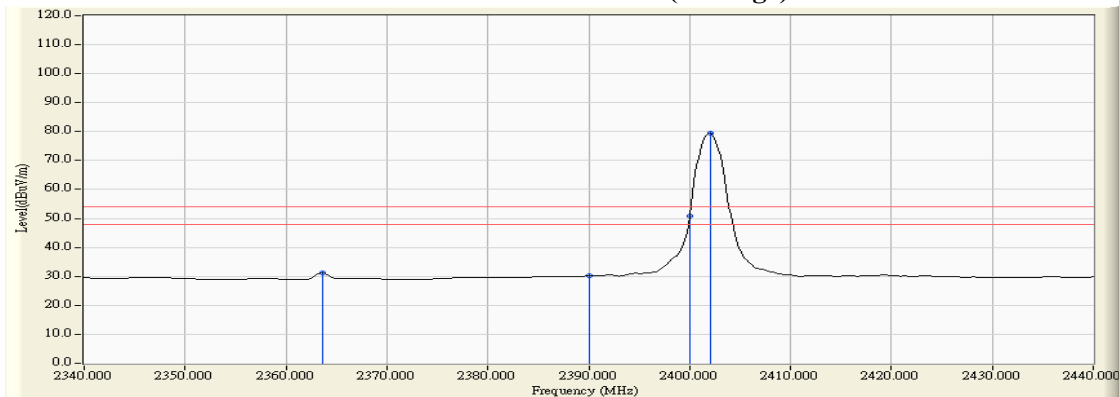
Note:

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz) - Chain A

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2379.565	6.428	43.047	49.476	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	42.028	48.503	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	64.901	71.429	--	--	--
00 (Peak)	2402.174	6.541	88.108	94.649	--	--	--
00 (Average)	2363.623	6.357	24.955	31.312	74.000	54.000	Pass
00 (Average)	2390.000	6.474	23.715	30.190	74.000	54.000	Pass
00 (Average)	2400.000	6.528	44.377	50.905	--	--	--
00 (Average)	2402.029	6.540	72.821	79.361	--	--	--

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

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


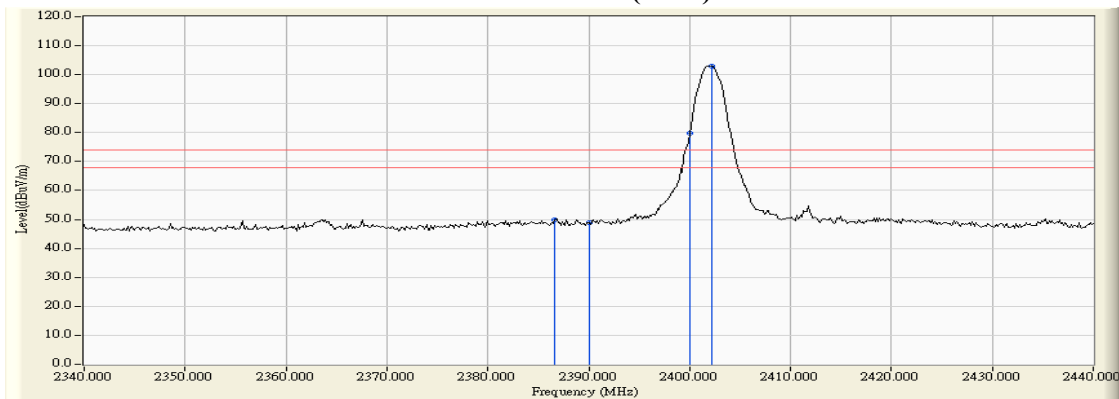
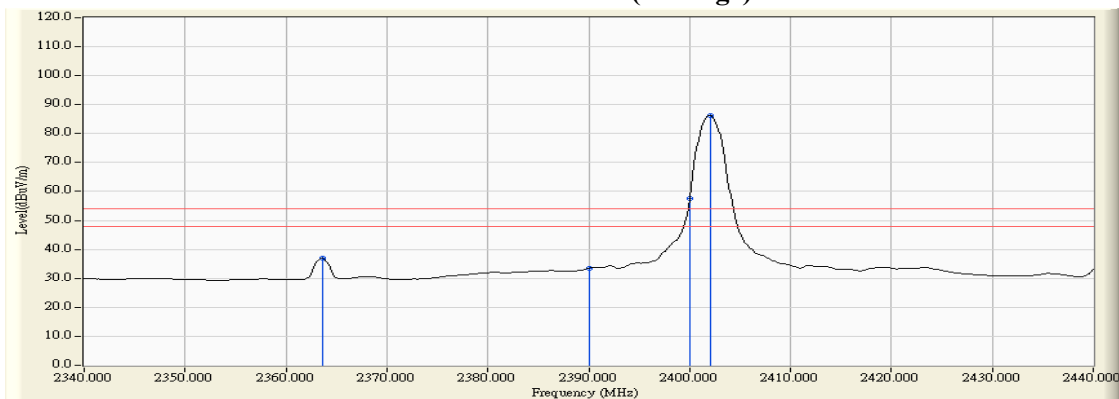
Note:

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz) - Chain A

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2386.667	5.895	44.049	49.944	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	43.019	48.900	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	73.820	79.699	--	--	--
00 (Peak)	2402.174	5.884	97.158	103.042	--	--	--
00 (Average)	2363.623	5.989	31.012	37.001	74.000	54.000	Pass
00 (Average)	2390.000	5.880	27.660	33.541	74.000	54.000	Pass
00 (Average)	2400.000	5.879	51.725	57.604	--	--	--
00 (Average)	2402.029	5.884	80.398	86.282	--	--	--

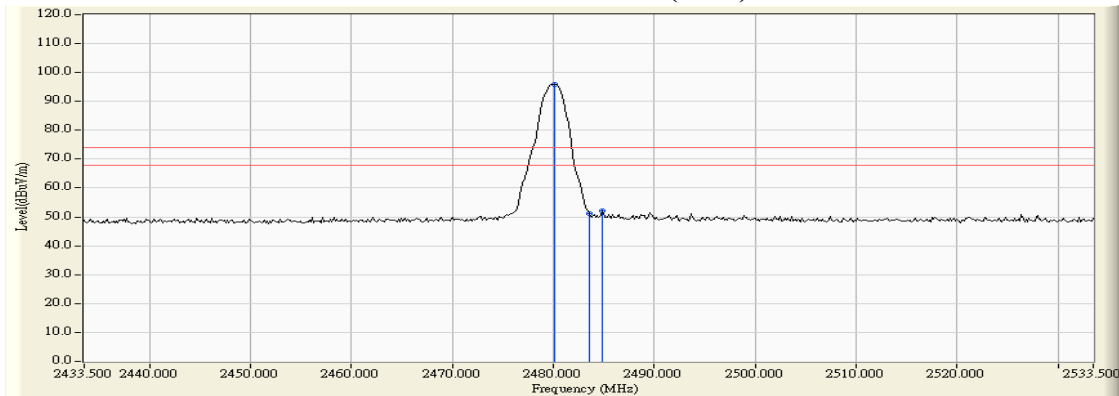
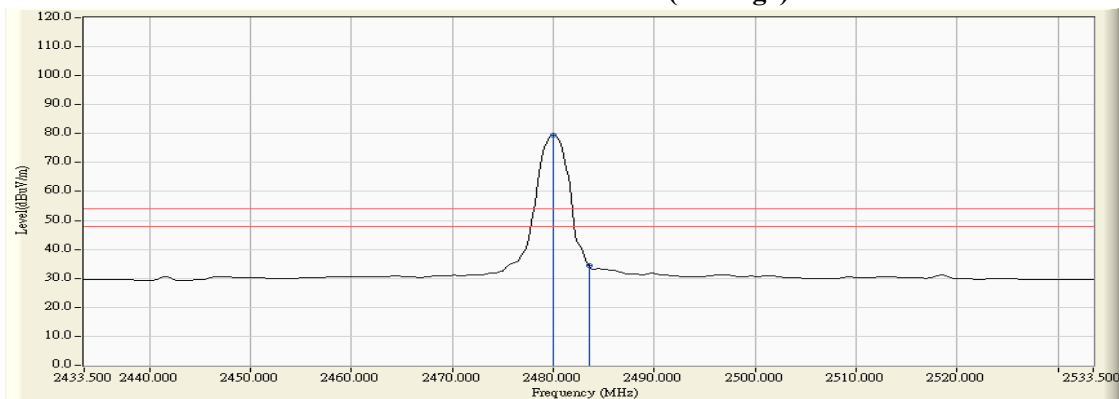
**Figure Channel 00:****Vertical (Peak)****Figure Channel 00:****Vertical (Average)****Note:**

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz) - Chain A

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2480.167	7.087	88.842	95.928	--	--	--
78 (Peak)	2483.500	7.110	44.014	51.124	74.000	54.000	Pass
78 (Peak)	2484.804	7.120	45.087	52.206	74.000	54.000	Pass
78 (Average)	2480.022	7.086	72.515	79.600	--	--	--
78 (Average)	2483.500	7.110	27.325	34.435	74.000	54.000	Pass

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

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

**Note:**

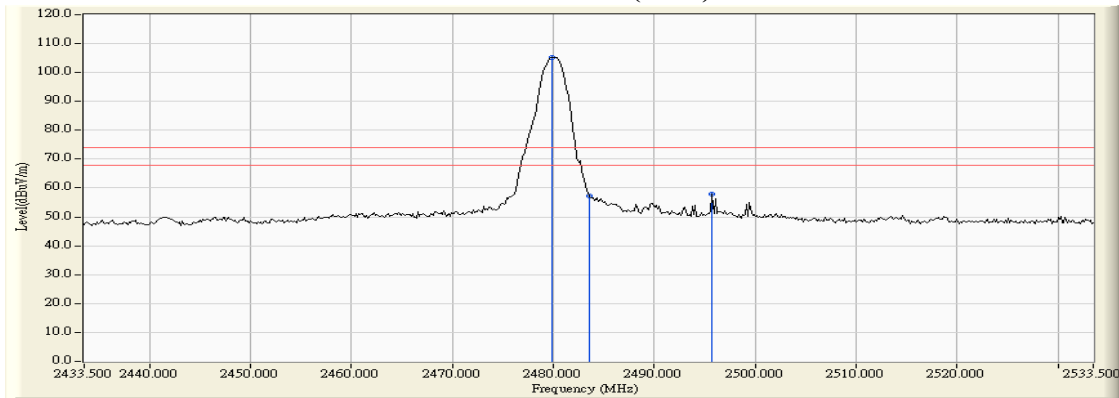
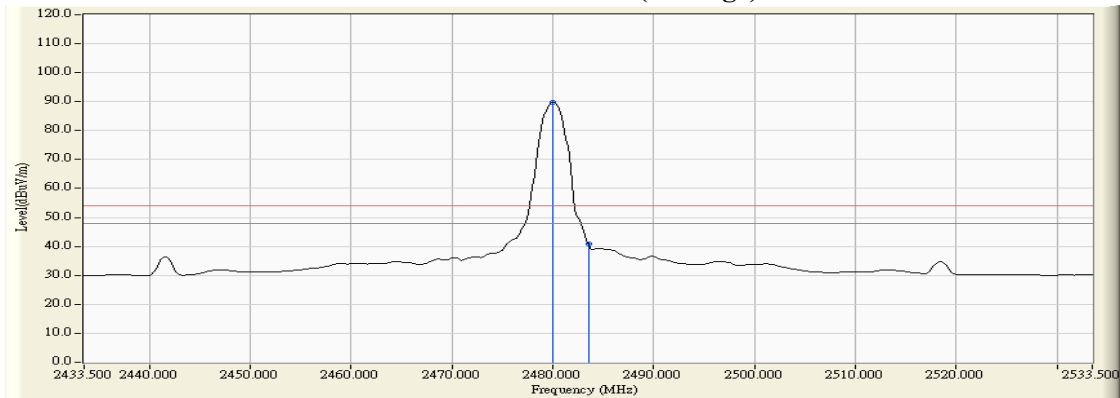
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading 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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz) - Chain A

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2479.877	6.341	98.825	105.166	--	--	--
78 (Peak)	2483.500	6.363	50.936	57.299	74.000	54.000	Pass
78 (Peak)	2495.674	6.439	51.572	58.011	74.000	54.000	Pass
78 (Average)	2480.022	6.342	83.466	89.808	--	--	--
78 (Average)	2483.500	6.363	34.456	40.819	74.000	54.000	Pass

**Figure Channel 78: Vertical (Peak)**

**Figure Channel 78: Vertical (Average)**


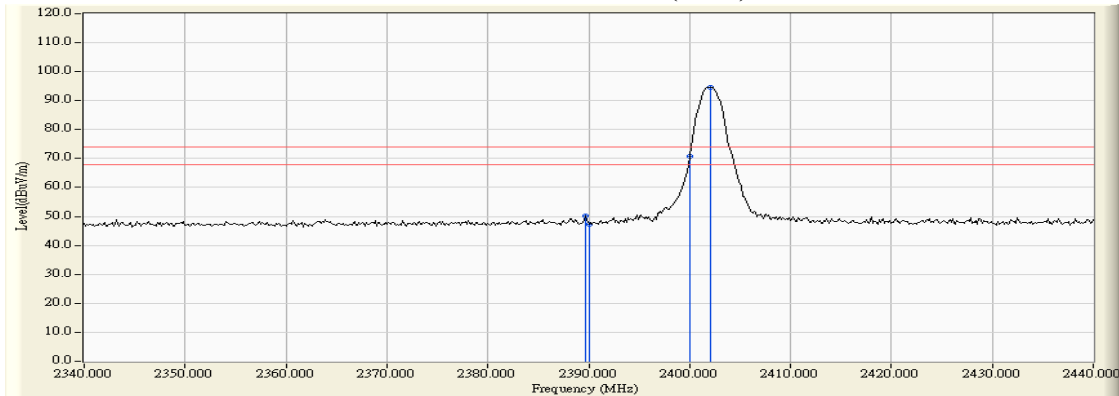
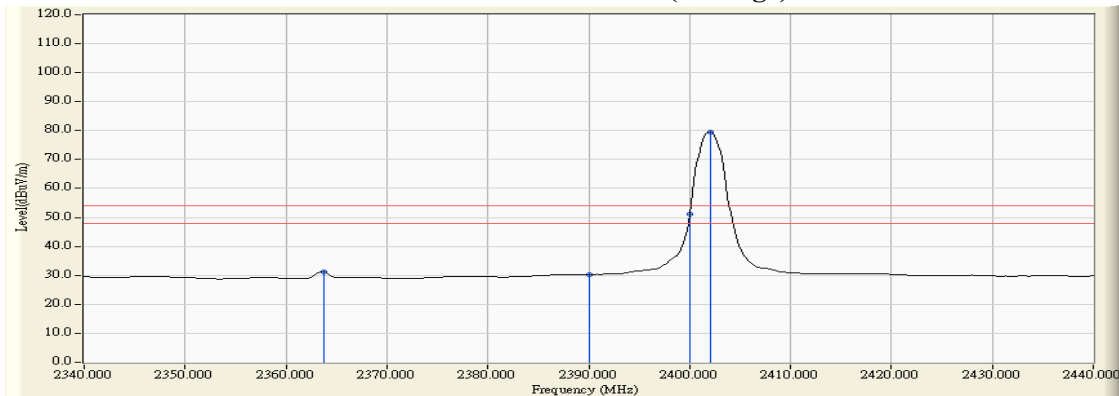
Note:

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2402MHz) - Chain A

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2389.710	6.473	43.624	50.097	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	40.899	47.374	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	64.272	70.800	--	--	--
00 (Peak)	2402.029	6.540	88.188	94.728	--	--	--
00 (Average)	2363.768	6.357	24.909	31.267	74.000	54.000	Pass
00 (Average)	2390.000	6.474	23.801	30.276	74.000	54.000	Pass
00 (Average)	2400.000	6.528	44.465	50.993	--	--	--
00 (Average)	2402.029	6.540	72.965	79.505	--	--	--

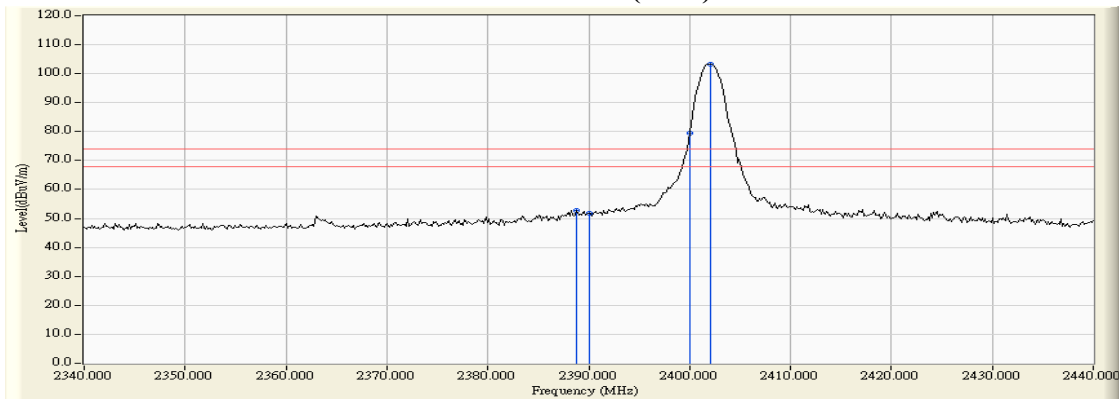
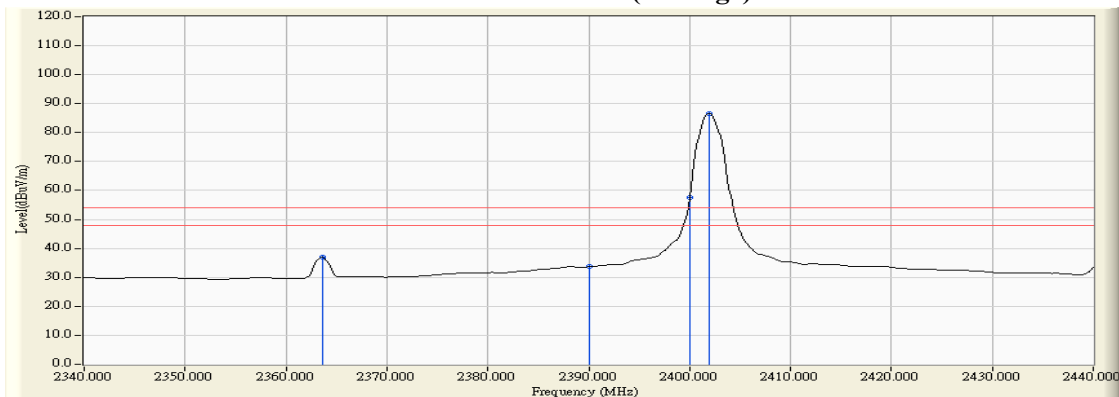
**Figure Channel 00:**
**Horizontal (Peak)**

**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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2402MHz) - Chain A

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2388.841	5.886	47.032	52.918	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	45.885	51.766	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	73.467	79.346	--	--	--
00 (Peak)	2402.029	5.884	97.462	103.346	--	--	--
00 (Average)	2363.623	5.989	31.005	36.994	74.000	54.000	Pass
00 (Average)	2390.000	5.880	27.762	33.643	74.000	54.000	Pass
00 (Average)	2400.000	5.879	51.781	57.660	--	--	--
00 (Average)	2401.884	5.884	80.627	86.511	--	--	--

**Figure Channel 00:**
**Vertical (Peak)**

**Figure Channel 00:**
**Vertical (Average)**


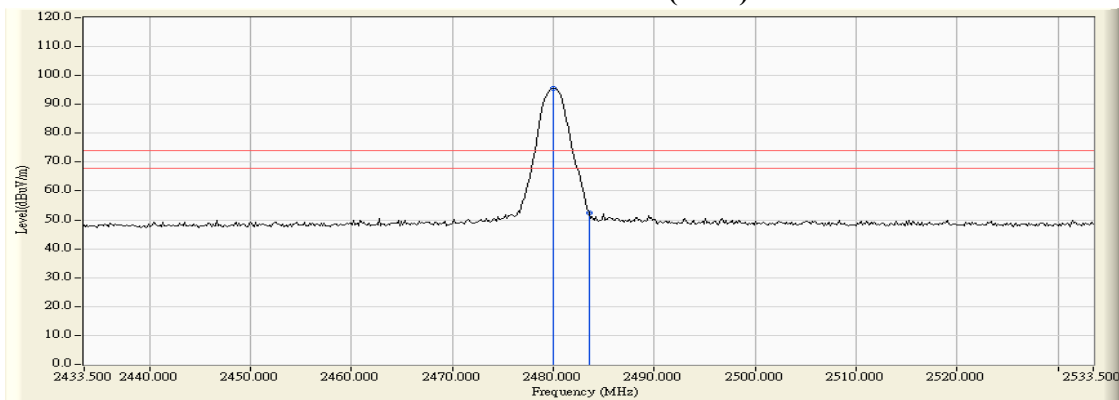
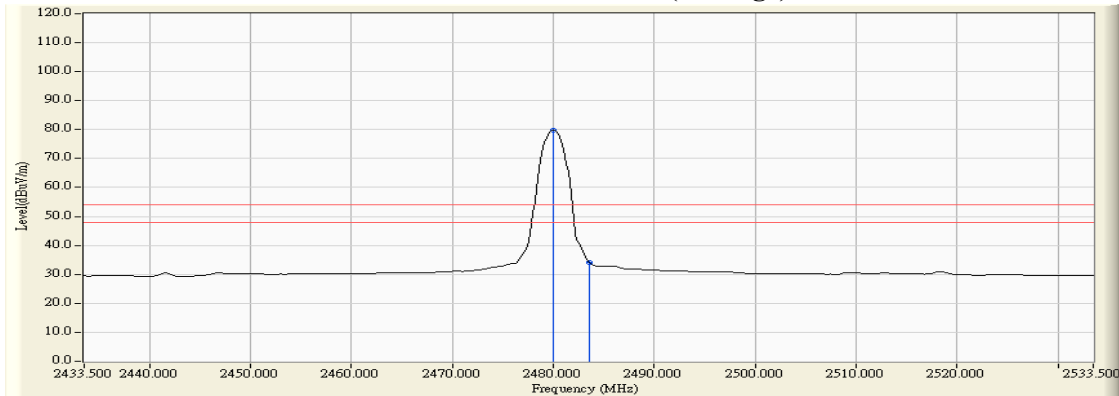
Note:

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz) - Chain A

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2480.022	7.086	88.456	95.541	--	--	--
78 (Peak)	2483.500	7.110	45.236	52.346	74.000	54.000	Pass
78 (Average)	2480.022	7.086	72.666	79.751	--	--	--
78 (Average)	2483.500	7.110	27.127	34.237	74.000	54.000	Pass

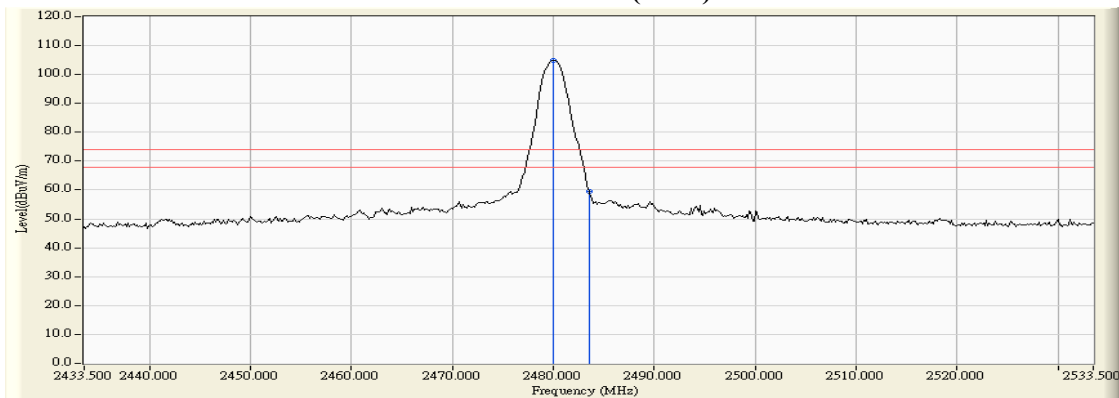
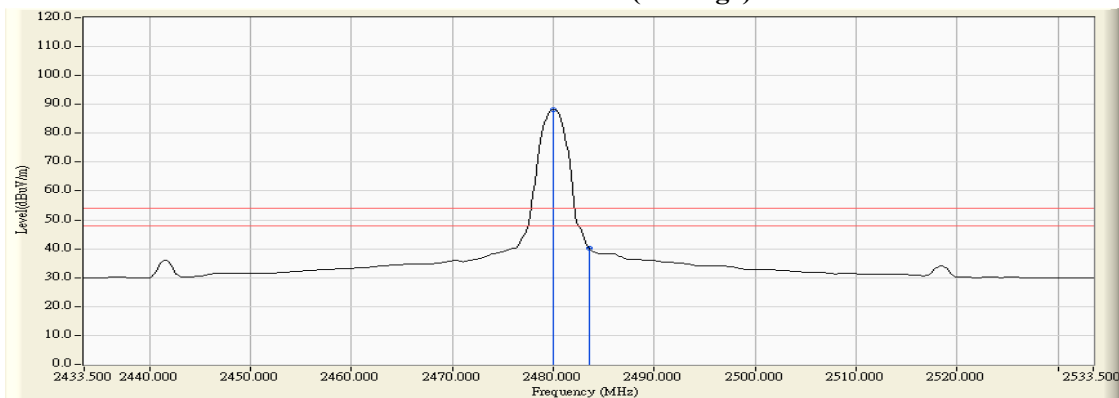
**Figure Channel 78: Horizontal (Peak)**

**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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz) - Chain A

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2480.022	6.342	98.485	104.827	--	--	--
78 (Peak)	2483.500	6.363	53.239	59.602	74.000	54.000	Pass
78 (Average)	2480.022	6.342	81.841	88.183	--	--	--
78 (Average)	2483.500	6.363	33.842	40.205	74.000	54.000	Pass

**Figure Channel 78:**
**Vertical (Peak)**

**Figure Channel 78:**
**Vertical (Average)**


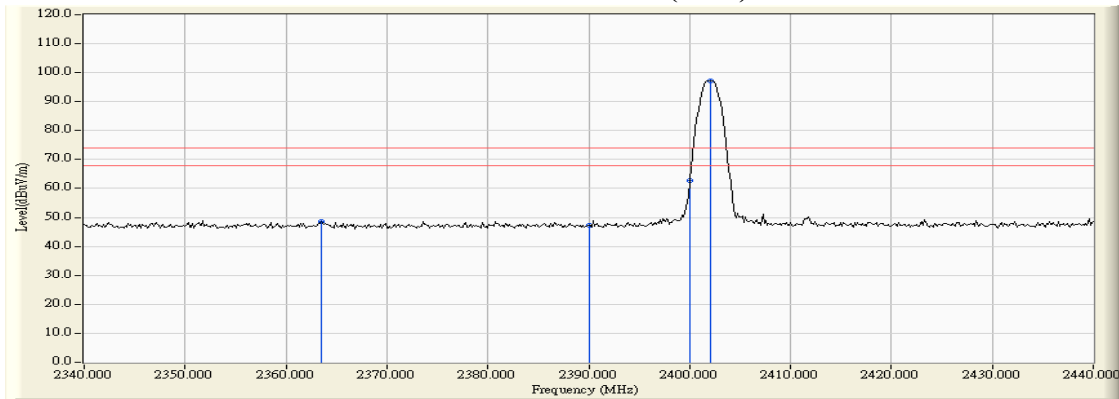
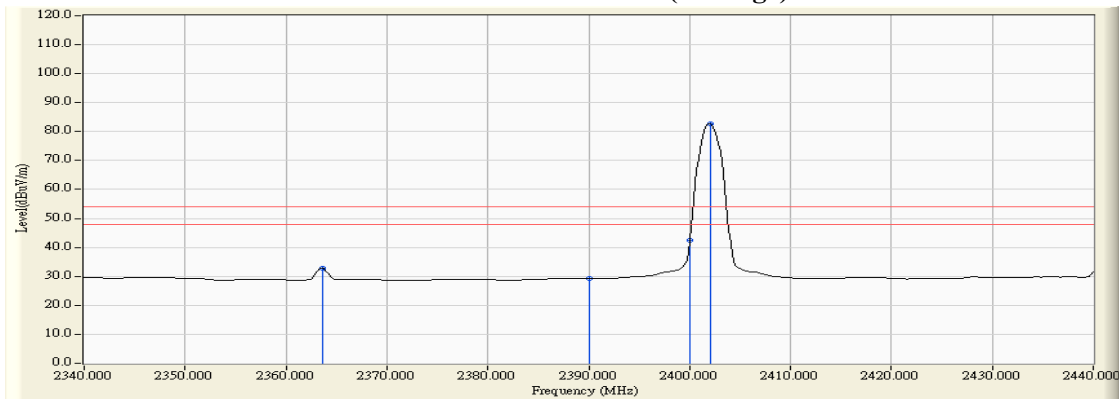
Note:

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2402MHz) - Chain B

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2363.478	6.356	42.191	48.547	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	40.936	47.411	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	56.109	62.637	--	--	--
00 (Peak)	2402.029	6.540	90.706	97.246	--	--	--
00 (Average)	2363.623	6.357	26.550	32.907	74.000	54.000	Pass
00 (Average)	2390.000	6.474	22.779	29.254	74.000	54.000	Pass
00 (Average)	2400.000	6.528	36.074	42.602	--	--	--
00 (Average)	2402.029	6.540	76.206	82.746	--	--	--

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

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


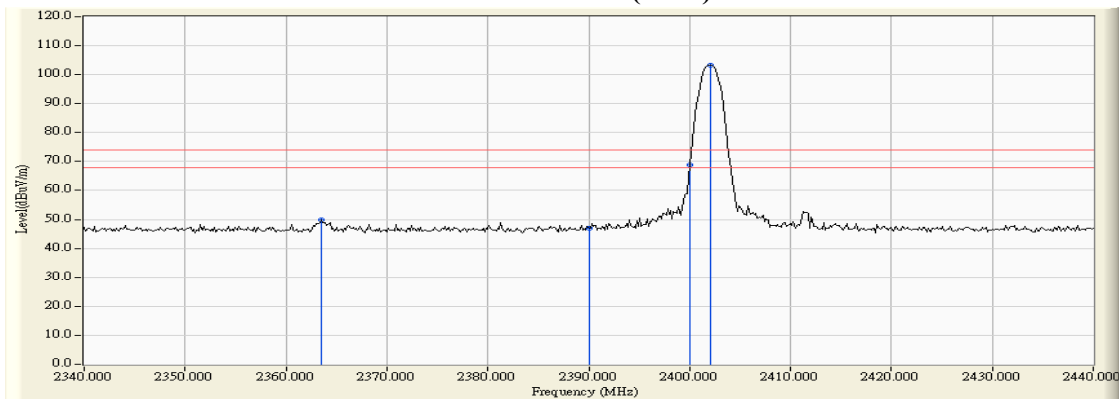
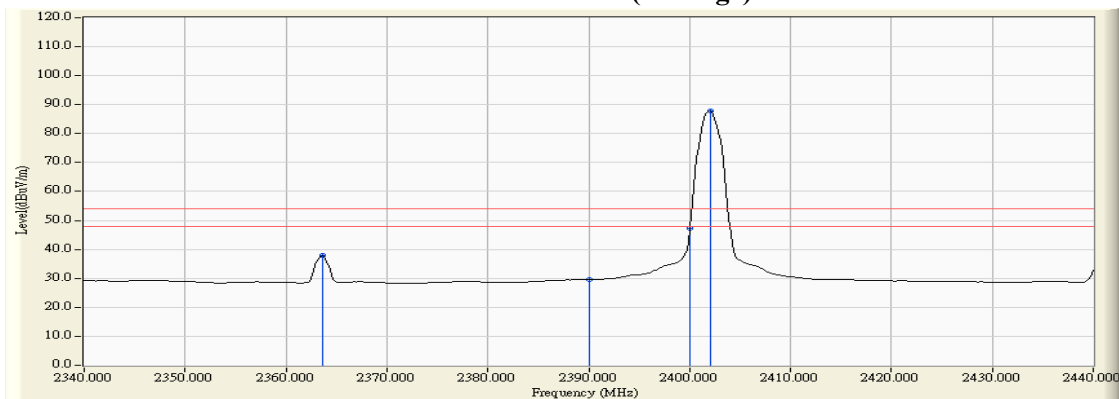
Note:

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2402MHz) - Chain B

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2363.478	5.989	43.907	49.896	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	41.199	47.080	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	63.054	68.933	--	--	--
00 (Peak)	2402.029	5.884	97.294	103.178	--	--	--
00 (Average)	2363.623	5.989	31.814	37.803	74.000	54.000	Pass
00 (Average)	2390.000	5.880	23.850	29.731	74.000	54.000	Pass
00 (Average)	2400.000	5.879	41.281	47.160	--	--	--
00 (Average)	2402.029	5.884	81.876	87.760	--	--	--

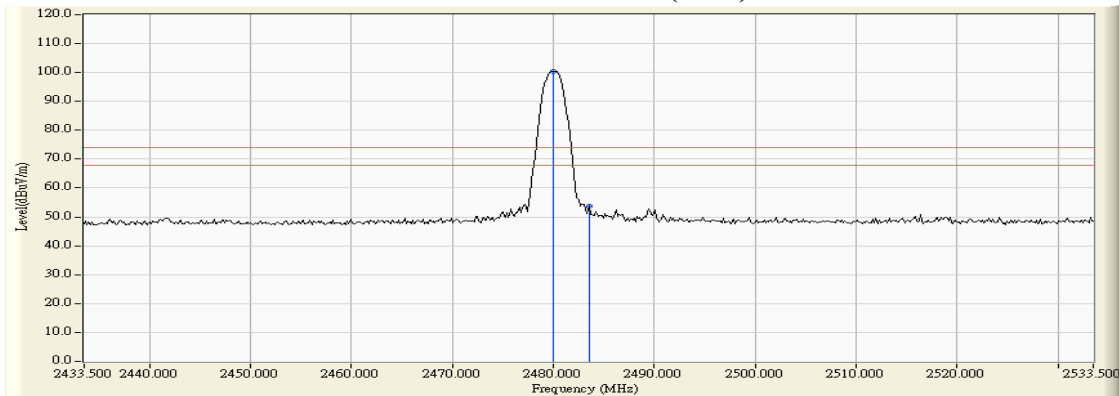
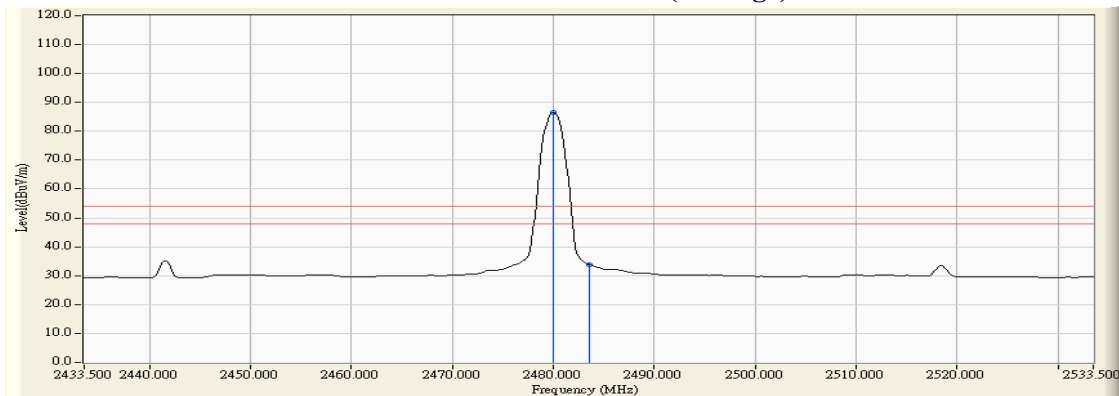
**Figure Channel 00:****Vertical (Peak)****Figure Channel 00:****Vertical (Average)****Note:**

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2480MHz) - Chain B

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2480.022	7.086	93.390	100.475	--	--	--
78 (Peak)	2483.500	7.110	46.566	53.676	74.000	54.000	Pass
78 (Average)	2480.022	7.086	79.367	86.452	--	--	--
78 (Average)	2483.500	7.110	26.798	33.908	74.000	54.000	Pass

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

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

**Note:**

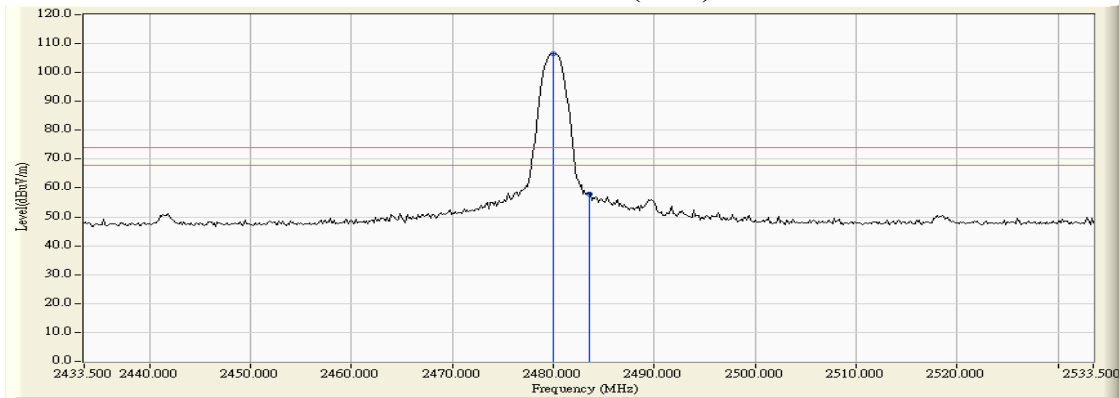
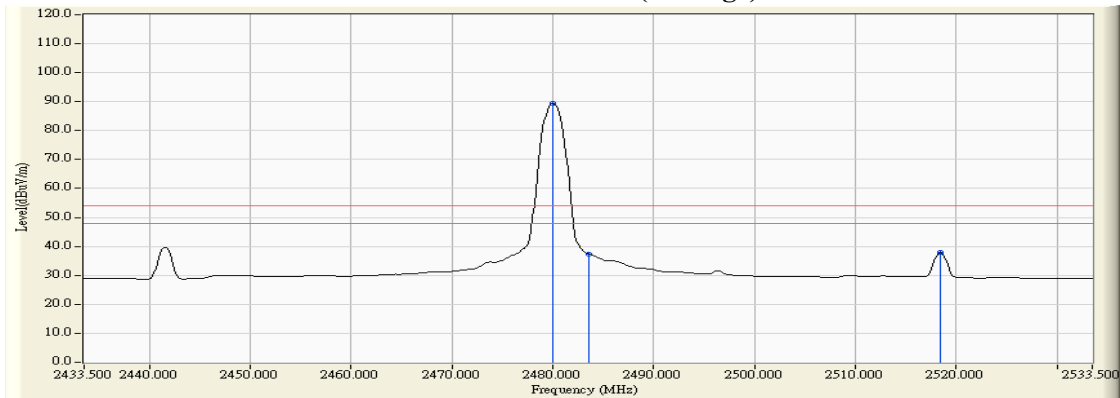
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the worst emission level.
5. Measurement Level = Reading 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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2480MHz) - Chain B

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2480.022	6.342	100.078	106.420	--	--	--
78 (Peak)	2483.500	6.363	51.472	57.835	74.000	54.000	Pass
78 (Average)	2480.022	6.342	83.026	89.368	--	--	--
78 (Average)	2483.500	6.363	31.095	37.458	74.000	54.000	Pass
78 (Average)	2518.428	6.466	31.363	37.829	74.000	54.000	Pass

**Figure Channel 78: Vertical (Peak)**

**Figure Channel 78: Vertical (Average)**


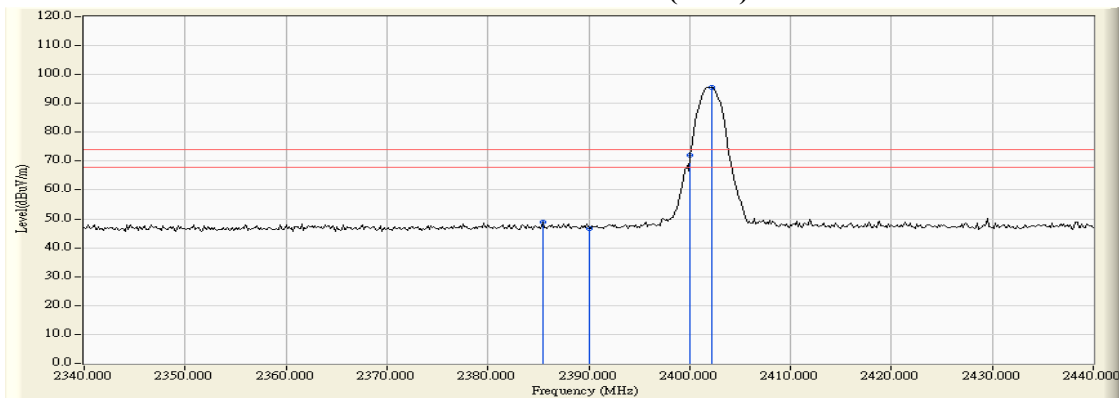
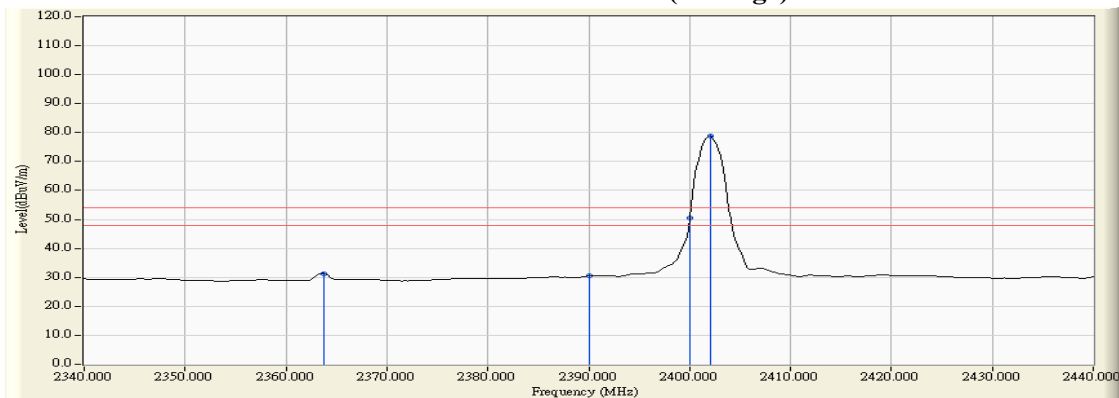
Note:

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz) - Chain B

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2385.507	6.456	42.513	48.968	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	40.217	46.692	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	65.633	72.161	--	--	--
00 (Peak)	2402.174	6.541	89.081	95.622	--	--	--
00 (Average)	2363.768	6.357	24.955	31.313	74.000	54.000	Pass
00 (Average)	2390.000	6.474	23.967	30.442	74.000	54.000	Pass
00 (Average)	2400.000	6.528	43.981	50.509	--	--	--
00 (Average)	2402.029	6.540	72.234	78.774	--	--	--

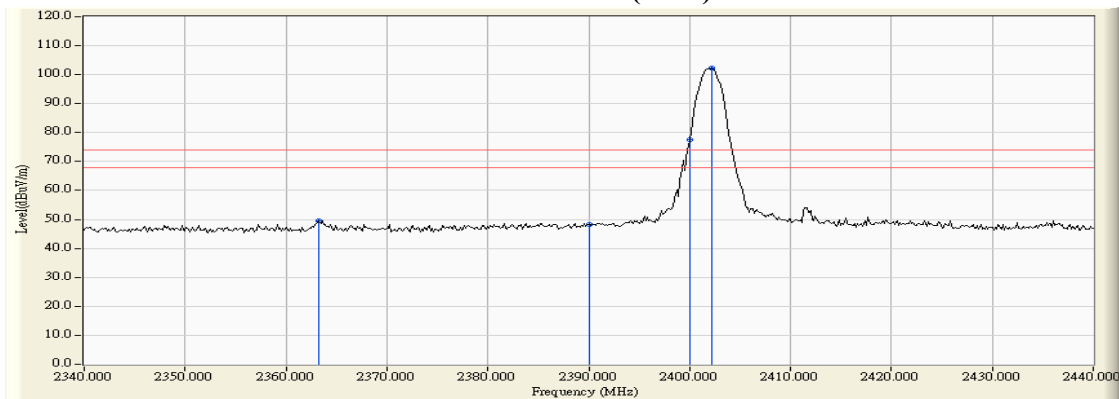
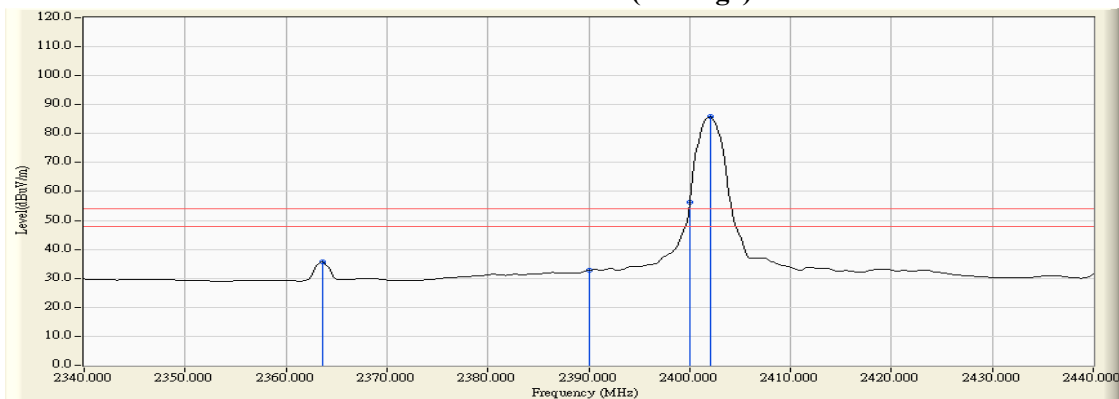
**Figure Channel 00:****Horizontal (Peak)****Figure Channel 00:****Horizontal (Average)****Note:**

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz) - Chain B

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2363.188	5.991	43.711	49.702	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	42.458	48.339	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	71.558	77.437	--	--	--
00 (Peak)	2402.174	5.884	96.284	102.168	--	--	--
00 (Average)	2363.623	5.989	29.610	35.599	74.000	54.000	Pass
00 (Average)	2390.000	5.880	26.931	32.812	74.000	54.000	Pass
00 (Average)	2400.000	5.879	50.415	56.294	--	--	--
00 (Average)	2402.029	5.884	79.898	85.782	--	--	--

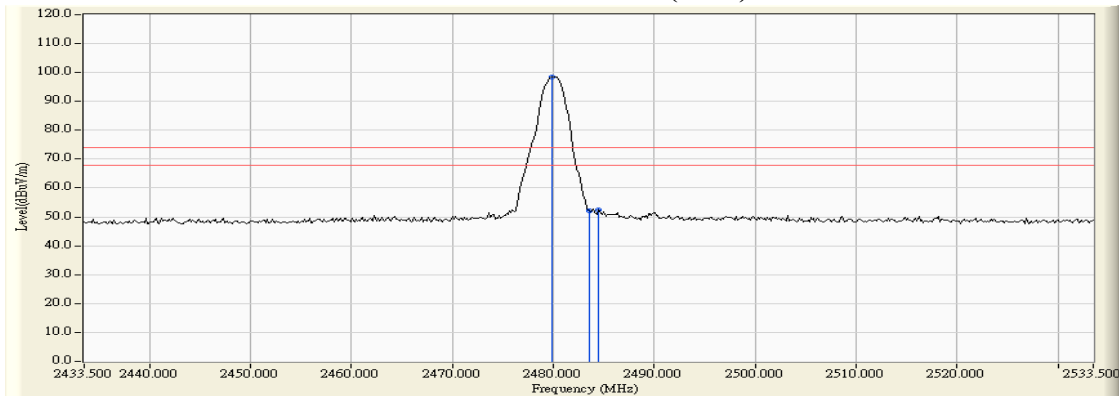
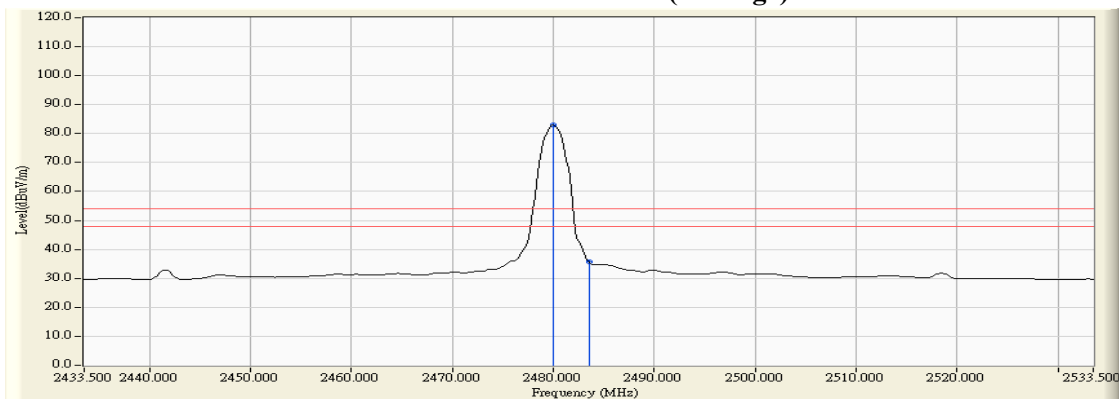
**Figure Channel 00:**
**Vertical (Peak)**

**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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz) - Chain B

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2479.877	7.085	91.473	98.557	--	--	--
78 (Peak)	2483.500	7.110	45.017	52.127	74.000	54.000	Pass
78 (Peak)	2484.514	7.117	45.403	52.520	74.000	54.000	Pass
78 (Average)	2480.022	7.086	75.823	82.908	--	--	--
78 (Average)	2483.500	7.110	28.524	35.634	74.000	54.000	Pass

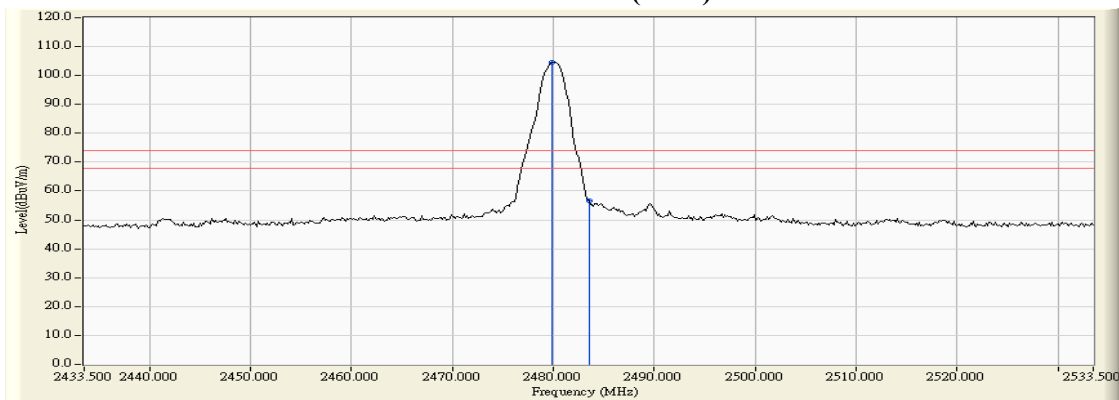
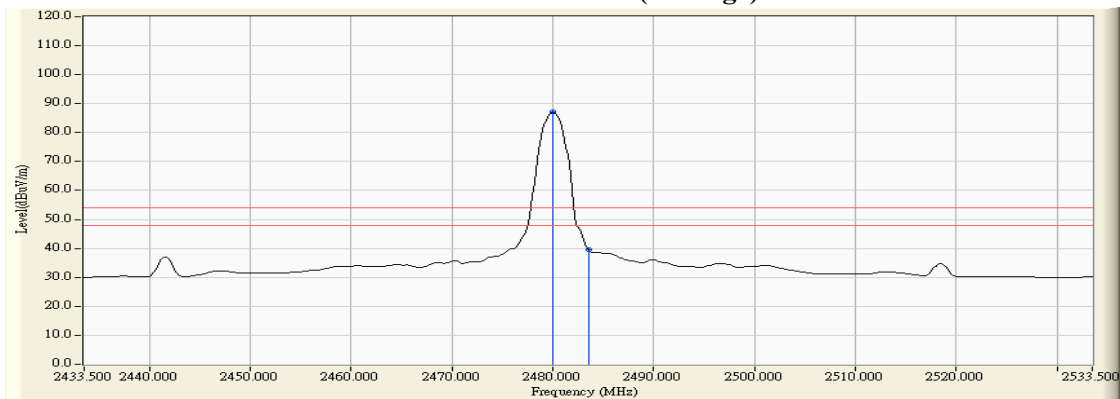
**Figure Channel 78: Horizontal (Peak)**

**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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz) - Chain B

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2479.877	6.341	98.114	104.455	--	--	--
78 (Peak)	2483.500	6.363	50.314	56.677	74.000	54.000	Pass
78 (Average)	2480.022	6.342	80.729	87.071	--	--	--
78 (Average)	2483.500	6.363	33.251	39.614	74.000	54.000	Pass

**Figure Channel 78:**
**Vertical (Peak)**

**Figure Channel 78:**
**Vertical (Average)**


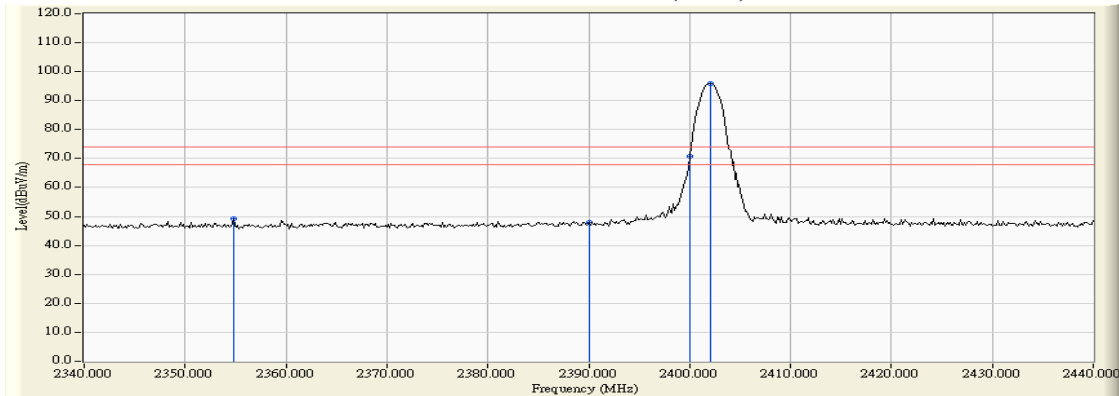
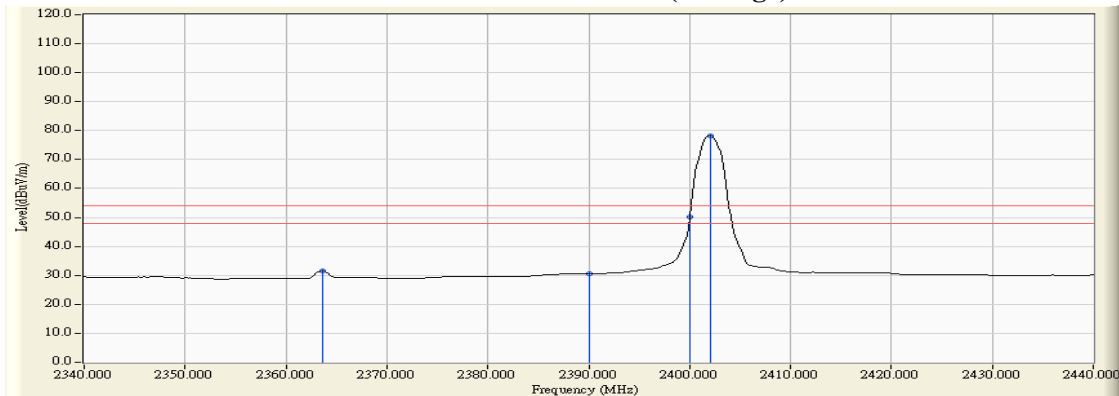
Note:

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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2402MHz) - Chain B

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2354.783	6.318	43.065	49.383	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	41.351	47.826	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	64.226	70.754	--	--	--
00 (Peak)	2402.029	6.540	89.380	95.920	--	--	--
00 (Average)	2363.623	6.357	25.135	31.492	74.000	54.000	Pass
00 (Average)	2390.000	6.474	23.981	30.456	74.000	54.000	Pass
00 (Average)	2400.000	6.528	43.740	50.268	--	--	--
00 (Average)	2402.029	6.540	71.625	78.165	--	--	--

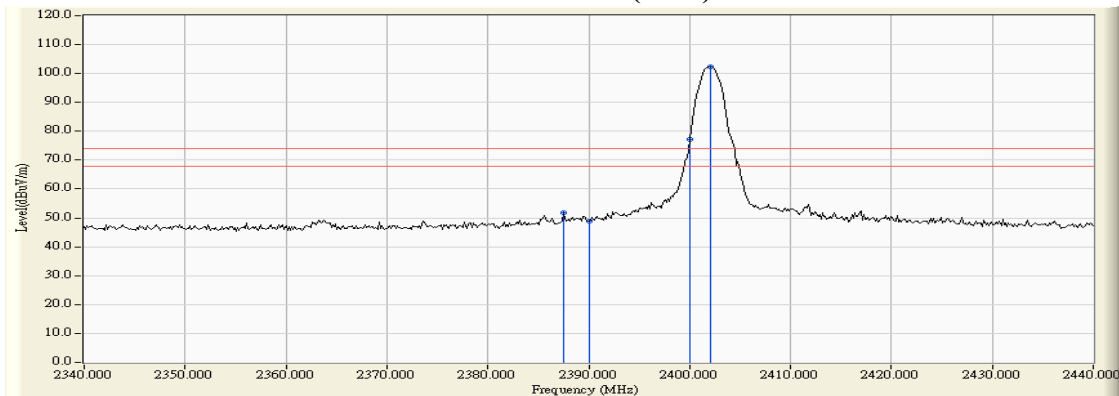
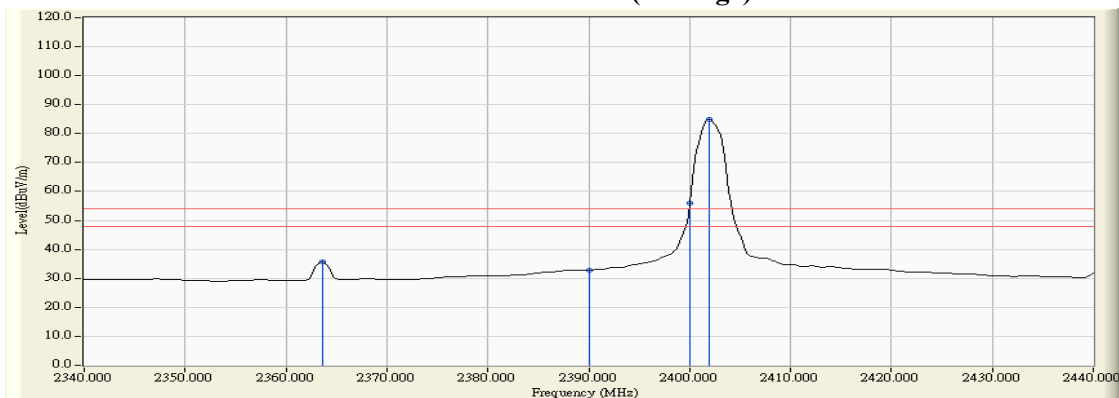
**Figure Channel 00:**
**Horizontal (Peak)**

**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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2402MHz) - Chain B

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
00 (Peak)	2387.536	5.891	45.872	51.763	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	43.075	48.956	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	71.464	77.343	--	--	--
00 (Peak)	2402.029	5.884	96.569	102.453	--	--	--
00 (Average)	2363.623	5.989	29.819	35.808	74.000	54.000	Pass
00 (Average)	2390.000	5.880	26.883	32.764	74.000	54.000	Pass
00 (Average)	2400.000	5.879	50.042	55.921	--	--	--
00 (Average)	2401.884	5.884	78.926	84.810	--	--	--

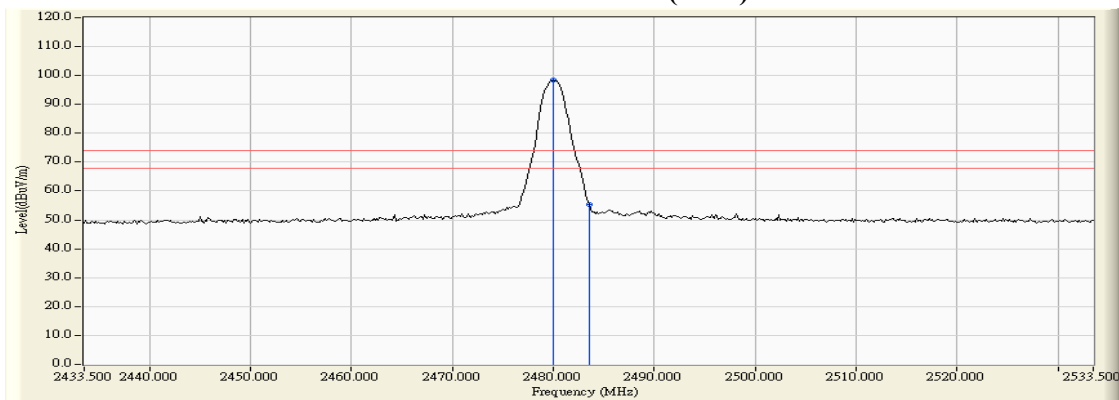
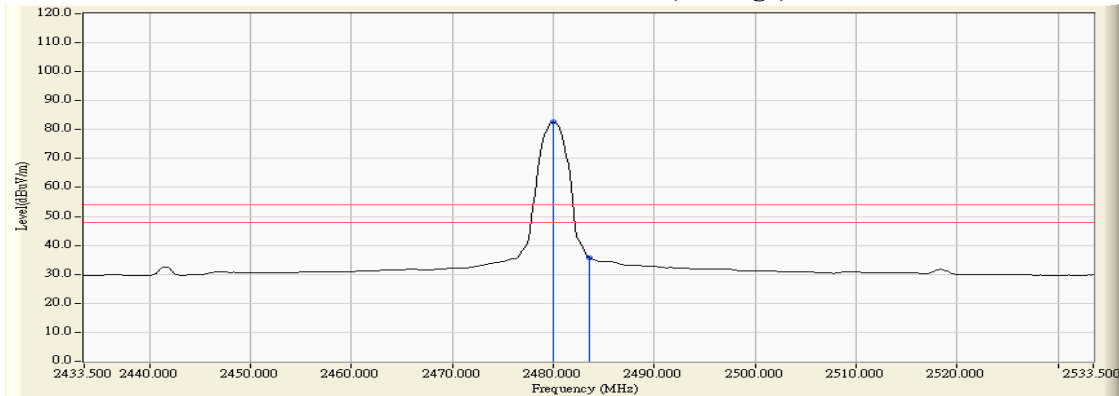
**Figure Channel 00:**
**Vertical (Peak)**

**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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz) - Chain B

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2480.022	7.086	91.376	98.461	--	--	--
78 (Peak)	2483.500	7.110	48.369	55.479	74.000	54.000	Pass
78 (Average)	2480.022	7.086	75.470	82.555	--	--	--
78 (Average)	2483.500	7.110	28.641	35.751	74.000	54.000	Pass

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

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

**Note:**

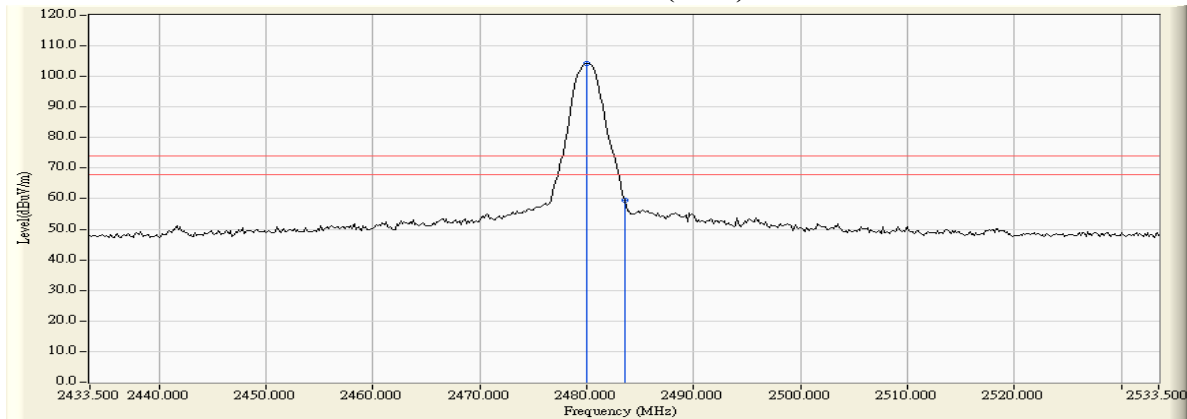
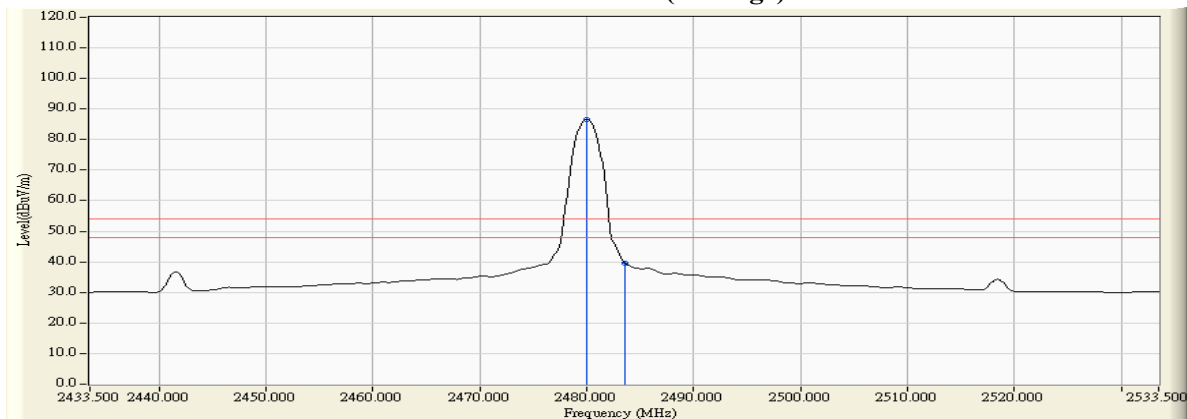
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading 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 9462  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test date : 2018/03/02  
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz) - Chain B

**RF Radiated Measurement (VERTICAL):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
78 (Peak)	2480.022	6.342	97.964	104.306	--	--	--
78 (Peak)	2483.500	6.363	53.169	59.532	74.000	54.000	Pass
78 (Average)	2480.022	6.342	80.105	86.447	--	--	--
78 (Average)	2483.500	6.363	33.364	39.727	74.000	54.000	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.

## **5. EMI Reduction Method During Compliance Testing**

No modification was made during testing.