

FCC Test Report

(Class II Permissive Change)

Product Name	Intel® Wireless-AC 9462
Model No.	9462D2W
FCC ID.	PD99462D2

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

Date of Receipt	Feb. 22, 2018
Issued Date	Apr. 09, 2018
Report No.	1820197R-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

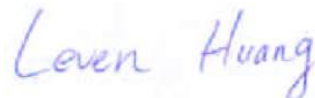
Issued Date: Apr. 09, 2018

Report No.: 1820197R-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.	9462D2W
FCC ID.	PD99462D2
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 / Leven Huang)

Tested By :



(Engineer / Yunche Chen)

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.	9462D2W
FCC ID.	PD99462D2
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 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: PD99462D2, originally granted on 12/18/2017.

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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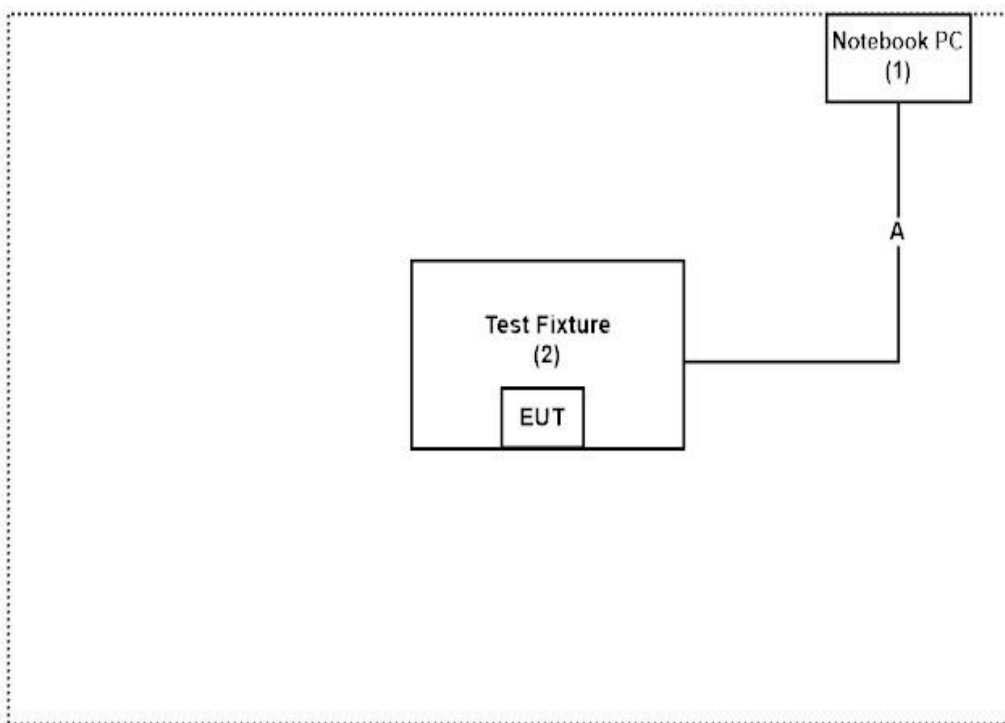
1.3. Tested System Details

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	Non-Shielded, 1.8m
2 Test Fixture	Intel	N/A	N/A	N/A

Signal Cable Type	Signal cable Description
A Test Fixture Line	Non-Shielded, 1.0m

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>

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

Site Description: Accredited by TAF
Accredited Number: 3023

Site Name: DEKRA Testing and Certification Co., Ltd
Site Address: No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451,
Taiwan, R.O.C.
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789
E-Mail : info.tw@dekra.com

FCC Accreditation Number: TW3023

1.7. List of Test Item and Equipment

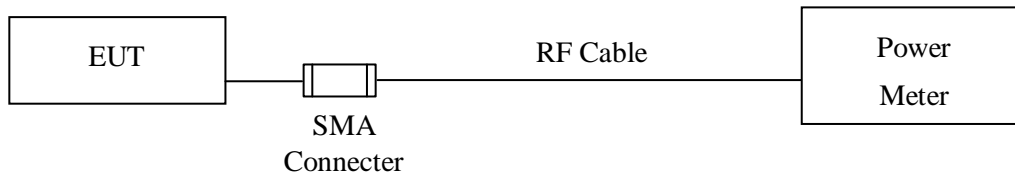
	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Power Meter	Keysight	8990B	MY51000410	2017/8/16	2018/8/15
X	Wideband power sensor	Keysight	N1923A	MY5608003	2017/8/16	2018/8/15
X	Spectrum Analyzer	R&S	FSP40	100170	2018/1/5	2019/1/3
	Loop Antenna	TESEQ	HLA6121	37133	2018/3/18	2019/3/17
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

± 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 : 2018/03/26
Test Mode : Mode 1: Transmit - 1Mbps (GFSK)

Chain A

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	7.72	1Watt= 30 dBm	Pass
39	2441.00	8.67	1Watt= 30 dBm	Pass
78	2480.00	9.50	1Watt= 30 dBm	Pass

Chain B

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	8.09	1Watt= 30 dBm	Pass
39	2441.00	8.93	1Watt= 30 dBm	Pass
78	2480.00	9.66	1Watt= 30 dBm	Pass

Product : Intel® Wireless-AC 9462
Test Item : Peak Power Output
Test Site : No.3 OATS
Test date : 2018/03/26
Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK)

Chain A

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	7.25	1Watt= 30 dBm	Pass
39	2441.00	8.28	1Watt= 30 dBm	Pass
78	2480.00	8.90	1Watt= 30 dBm	Pass

Chain B

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	7.66	1Watt= 30 dBm	Pass
39	2441.00	8.55	1Watt= 30 dBm	Pass
78	2480.00	9.03	1Watt= 30 dBm	Pass

Product : Intel® Wireless-AC 9462
Test Item : Peak Power Output
Test Site : No.3 OATS
Test date : 2018/03/26
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)

Chain A

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	4.26	1Watt= 30 dBm	Pass
39	2441.00	8.24	1Watt= 30 dBm	Pass
78	2480.00	8.89	1Watt= 30 dBm	Pass

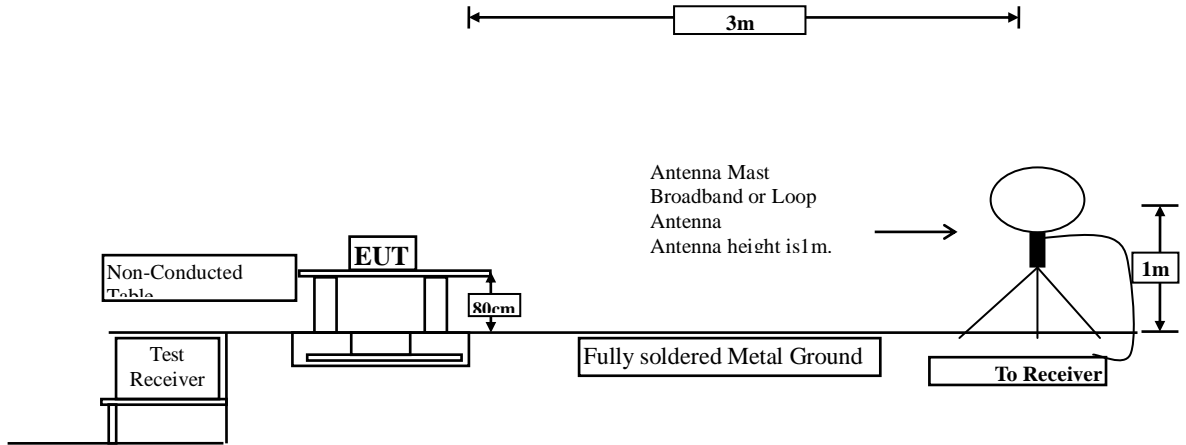
Chain B

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
00	2402.00	7.73	1Watt= 30 dBm	Pass
39	2441.00	8.46	1Watt= 30 dBm	Pass
78	2480.00	9.03	1Watt= 30 dBm	Pass

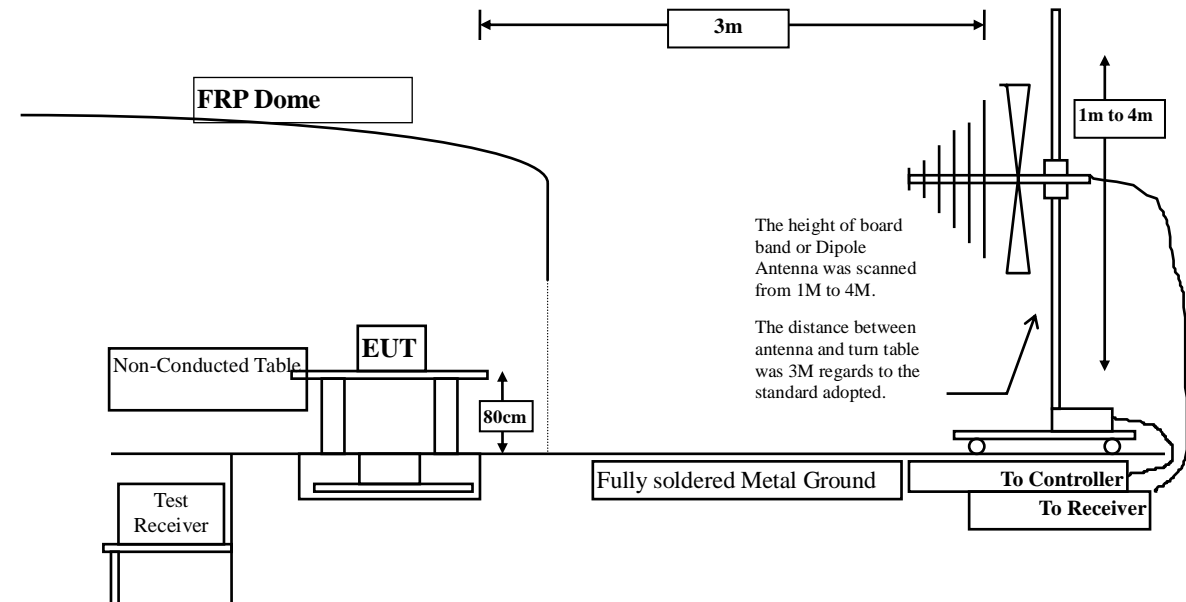
3. Radiated Emission

3.1. Test Setup

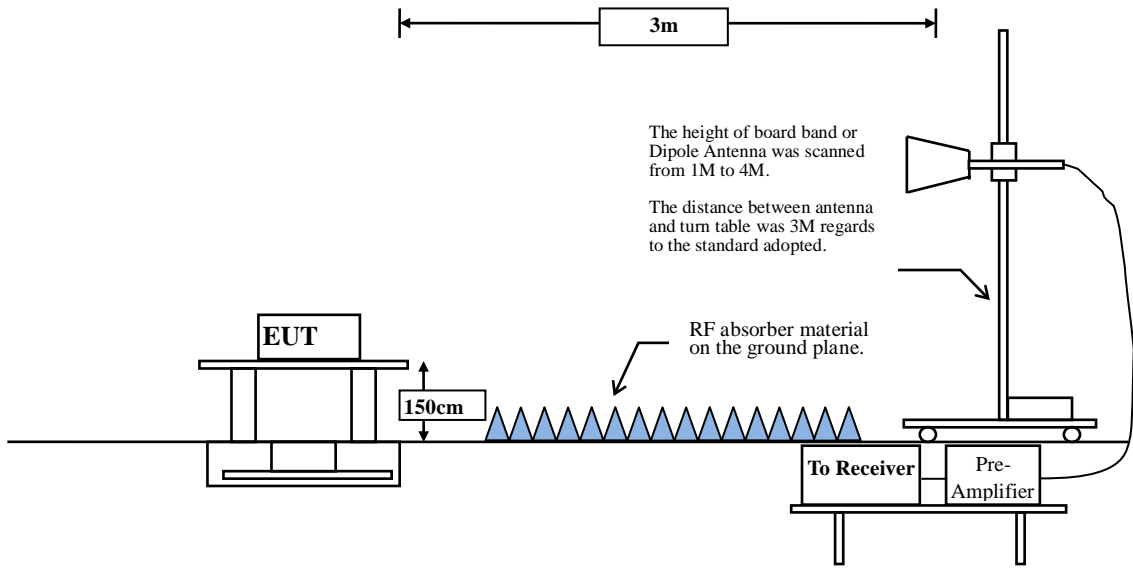
Under 30MHz



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 : 2018/03/15
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2402MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4804.000	-9.896	55.280	45.384	-28.616	74.000
7206.000	-5.013	48.230	43.217	-30.783	74.000
9608.000	-1.472	45.540	44.069	-29.931	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	59.290	52.705	-21.295	74.000
7206.000	-4.144	48.020	43.876	-30.124	74.000
9608.000	-1.075	45.920	44.846	-29.154	74.000
Average Detector:					
--	--	--	--	--	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- 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 : 2018/03/15
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4882.000	-10.318	54.830	44.512	-29.488	74.000
7323.000	-3.858	47.820	43.962	-30.038	74.000
9764.000	-2.596	44.570	41.974	-32.026	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	58.170	50.564	-23.436	74.000
7323.000	-2.977	48.580	45.604	-28.396	74.000
9764.000	-2.131	45.720	43.589	-30.411	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2480MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4960.000	-10.666	53.450	42.785	-31.215	74.000
7440.000	-3.631	46.370	42.739	-31.261	74.000
9920.000	-2.397	46.720	44.323	-29.677	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	55.390	47.522	-26.478	74.000
7440.000	-2.772	47.190	44.418	-29.582	74.000
9920.000	-1.895	46.300	44.405	-29.595	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4804.000	-9.896	55.030	45.134	-28.866	74.000
7206.000	-5.013	47.920	42.907	-31.093	74.000
9608.000	-1.472	45.370	43.899	-30.101	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	58.630	52.045	-21.955	74.000
7206.000	-4.144	48.370	44.226	-29.774	74.000
9608.000	-1.075	46.510	45.436	-28.564	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4882.000	-10.318	54.610	44.292	-29.708	74.000
7323.000	-3.858	47.960	44.102	-29.898	74.000
9764.000	-2.596	44.670	42.074	-31.926	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	57.830	50.224	-23.776	74.000
7323.000	-2.977	48.210	45.234	-28.766	74.000
9764.000	-2.131	46.070	43.939	-30.061	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4960.000	-10.666	53.370	42.705	-31.295	74.000
7440.000	-3.631	46.190	42.559	-31.441	74.000
9920.000	-2.397	46.570	44.173	-29.827	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	55.270	47.402	-26.598	74.000
7440.000	-2.772	47.350	44.578	-29.422	74.000
9920.000	-1.895	46.620	44.725	-29.275	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)(2402MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4804.000	-9.896	55.810	45.914	-28.086	74.000
7206.000	-5.013	47.950	42.937	-31.063	74.000
9608.000	-1.472	45.380	43.909	-30.091	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	59.710	53.125	-20.875	74.000
7206.000	-4.144	48.320	44.176	-29.824	74.000
9608.000	-1.075	46.590	45.516	-28.484	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4882.000	-10.318	54.650	44.332	-29.668	74.000
7323.000	-3.858	47.710	43.852	-30.148	74.000
9764.000	-2.596	44.290	41.694	-32.306	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	58.440	50.834	-23.166	74.000
7323.000	-2.977	48.290	45.314	-28.686	74.000
9764.000	-2.131	46.070	43.939	-30.061	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4960.000	-10.666	53.710	43.045	-30.955	74.000
7440.000	-3.631	46.180	42.549	-31.451	74.000
9920.000	-2.397	46.530	44.133	-29.867	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	55.310	47.442	-26.558	74.000
7440.000	-2.772	47.580	44.808	-29.192	74.000
9920.000	-1.895	46.170	44.275	-29.725	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 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
Horizontal					
Peak Detector:					
4804.000	-9.896	54.910	45.014	-28.986	74.000
7206.000	-5.013	47.980	42.967	-31.033	74.000
9608.000	-1.472	45.420	43.949	-30.051	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	58.740	52.155	-21.845	74.000
7206.000	-4.144	48.310	44.166	-29.834	74.000
9608.000	-1.075	46.190	45.116	-28.884	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4882.000	-10.318	54.910	44.592	-29.408	74.000
7323.000	-3.858	47.690	43.832	-30.168	74.000
9764.000	-2.596	44.380	41.784	-32.216	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	58.110	50.504	-23.496	74.000
7323.000	-2.977	48.490	45.514	-28.486	74.000
9764.000	-2.131	45.520	43.389	-30.611	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2480MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4960.000	-10.666	53.890	43.225	-30.775	74.000
7440.000	-3.631	46.520	42.889	-31.111	74.000
9920.000	-2.397	46.470	44.073	-29.927	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	55.170	47.302	-26.698	74.000
7440.000	-2.772	46.820	44.048	-29.952	74.000
9920.000	-1.895	46.290	44.395	-29.605	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
Horizontal					
Peak Detector:					
4804.000	-9.896	55.030	45.134	-28.866	74.000
7206.000	-5.013	48.060	43.047	-30.953	74.000
9608.000	-1.472	45.390	43.919	-30.081	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	59.170	52.585	-21.415	74.000
7206.000	-4.144	47.890	43.746	-30.254	74.000
9608.000	-1.075	46.240	45.166	-28.834	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4882.000	-10.318	55.020	44.702	-29.298	74.000
7323.000	-3.858	47.620	43.762	-30.238	74.000
9764.000	-2.596	44.810	42.214	-31.786	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	58.320	50.714	-23.286	74.000
7323.000	-2.977	48.490	45.514	-28.486	74.000
9764.000	-2.131	46.030	43.899	-30.101	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4960.000	-10.666	53.720	43.055	-30.945	74.000
7440.000	-3.631	46.290	42.659	-31.341	74.000
9920.000	-2.397	46.510	44.113	-29.887	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	55.630	47.762	-26.238	74.000
7440.000	-2.772	47.520	44.748	-29.252	74.000
9920.000	-1.895	46.210	44.315	-29.685	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)(2402MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4804.000	-9.896	54.860	44.964	-29.036	74.000
7206.000	-5.013	47.710	42.697	-31.303	74.000
9608.000	-1.472	45.380	43.909	-30.091	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	58.960	52.375	-21.625	74.000
7206.000	-4.144	47.680	43.536	-30.464	74.000
9608.000	-1.075	46.210	45.136	-28.864	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4882.000	-10.318	54.610	44.292	-29.708	74.000
7323.000	-3.858	47.590	43.732	-30.268	74.000
9764.000	-2.596	44.380	41.784	-32.216	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	57.840	50.234	-23.766	74.000
7323.000	-2.977	48.370	45.394	-28.606	74.000
9764.000	-2.131	45.510	43.379	-30.621	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/15
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4960.000	-10.666	53.720	43.055	-30.945	74.000
7440.000	-3.631	46.190	42.559	-31.441	74.000
9920.000	-2.397	46.430	44.033	-29.967	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	55.520	47.652	-26.348	74.000
7440.000	-2.772	47.410	44.638	-29.362	74.000
9920.000	-1.895	46.780	44.885	-29.115	74.000
Average Detector:					
--	--	--	--	--	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 : 2018/03/17
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
128.940	-7.390	45.455	38.065	-5.435	43.500
203.630	-10.357	43.772	33.414	-10.086	43.500
378.230	1.199	36.088	37.287	-8.713	46.000
551.860	3.390	28.781	32.171	-13.829	46.000
771.080	5.126	27.272	32.399	-13.601	46.000
928.220	7.230	25.040	32.270	-13.730	46.000
Vertical					
131.850	-3.855	42.026	38.171	-5.329	43.500
174.530	-2.247	40.013	37.765	-5.735	43.500
305.480	-4.016	37.346	33.330	-12.670	46.000
474.260	-3.486	31.699	28.213	-17.787	46.000
769.140	2.558	23.081	25.639	-20.361	46.000
966.050	3.871	25.178	29.050	-24.950	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 9462
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test date : 2018/03/17
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
135.730	-7.477	44.331	36.854	-6.646	43.500
277.350	-6.494	41.670	35.176	-10.824	46.000
389.870	0.998	33.492	34.489	-11.511	46.000
600.360	3.472	26.294	29.766	-16.234	46.000
792.420	6.391	25.699	32.090	-13.910	46.000
958.290	6.622	26.392	33.014	-12.986	46.000
Vertical					
127.000	-3.712	43.223	39.511	-3.989	43.500
178.410	-0.966	38.771	37.805	-5.695	43.500
350.100	-1.278	40.675	39.397	-6.603	46.000
600.360	1.302	24.697	25.999	-20.001	46.000
755.560	2.829	22.827	25.656	-20.344	46.000
932.100	3.430	23.231	26.661	-19.339	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 : 2018/03/17
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz) - Chain A

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
131.850	-7.425	40.836	33.411	-10.089	43.500
266.680	-5.510	40.336	34.826	-11.174	46.000
369.500	0.787	35.935	36.722	-9.278	46.000
551.860	3.390	27.888	31.278	-14.722	46.000
792.420	6.391	24.574	30.965	-15.035	46.000
961.200	6.810	30.028	36.838	-17.162	54.000
Vertical					
105.660	-4.576	40.836	36.259	-7.241	43.500
178.410	-0.966	37.014	36.048	-7.452	43.500
343.310	-0.765	29.592	28.827	-17.173	46.000
543.130	1.680	24.148	25.828	-20.172	46.000
755.560	2.829	23.076	25.905	-20.095	46.000
937.920	3.110	24.605	27.715	-18.285	46.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- 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 : 2018/03/17
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
136.700	-7.491	45.344	37.853	-5.647	43.500
263.770	-5.493	43.929	38.436	-7.564	46.000
375.320	0.918	36.169	37.087	-8.913	46.000
471.350	3.261	28.219	31.480	-14.520	46.000
591.630	3.373	28.075	31.448	-14.552	46.000
853.530	7.278	23.051	30.329	-15.671	46.000
Vertical					
124.090	-3.677	40.785	37.108	-6.392	43.500
178.410	-0.966	36.569	35.603	-7.897	43.500
340.400	-1.287	30.339	29.052	-16.948	46.000
531.490	1.197	25.422	26.618	-19.382	46.000
772.050	2.600	23.670	26.271	-19.729	46.000
937.920	3.110	25.397	28.507	-17.493	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 : 2018/03/17
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
129.910	-7.394	44.374	36.980	-6.520	43.500
251.160	-5.988	40.760	34.772	-11.228	46.000
377.260	1.107	35.170	36.277	-9.723	46.000
551.860	3.390	28.124	31.514	-14.486	46.000
792.420	6.391	23.678	30.069	-15.931	46.000
963.140	7.021	25.126	32.147	-21.853	54.000
Vertical					
123.120	-3.630	41.511	37.881	-5.619	43.500
179.380	-0.824	36.521	35.697	-7.803	43.500
342.340	-0.936	29.476	28.540	-17.460	46.000
600.360	1.302	25.704	27.006	-18.994	46.000
828.310	2.544	25.532	28.076	-17.924	46.000
959.260	3.100	24.061	27.161	-18.839	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 : 2018/03/17
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz) - Chain B

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
131.850	-7.425	41.038	33.613	-9.887	43.500
266.680	-5.510	40.536	35.026	-10.974	46.000
376.290	1.003	34.771	35.774	-10.226	46.000
551.860	3.390	28.060	31.450	-14.550	46.000
792.420	6.391	23.990	30.381	-15.619	46.000
930.160	7.530	22.977	30.507	-15.493	46.000
Vertical					
124.090	-3.677	40.813	37.136	-6.364	43.500
172.590	-3.199	41.722	38.523	-4.977	43.500
281.230	-5.940	35.310	29.370	-16.630	46.000
537.310	1.803	23.796	25.599	-20.401	46.000
798.240	2.629	23.691	26.319	-19.681	46.000
936.950	2.970	27.461	30.431	-15.569	46.000

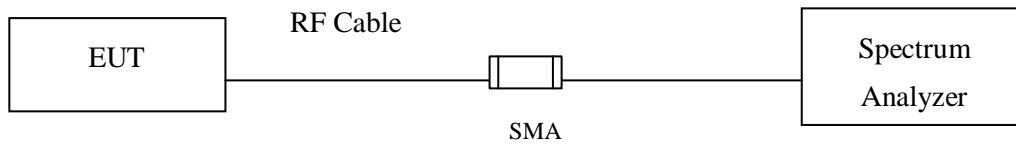
Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- No emission found between lowest internal used/generated frequency to 30MHz.

4. Band Edge

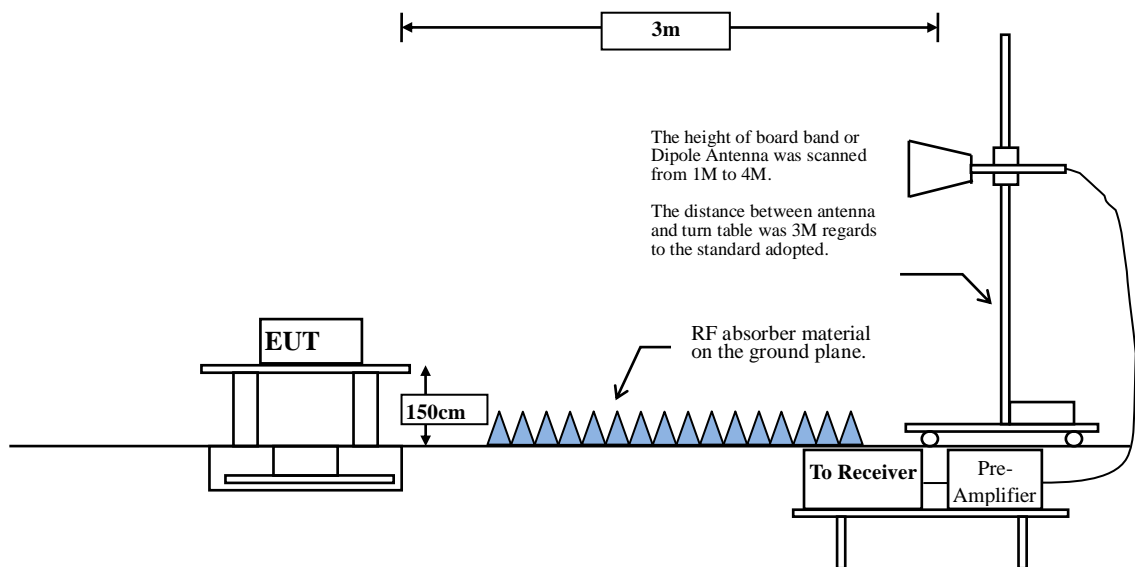
4.1. Test Setup

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 : 2018/03/09
 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)	2390.000	6.474	41.060	47.535	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	54.177	60.705	--	--	--
00 (Peak)	2402.029	6.540	89.613	96.153	--	--	--
00 (Average)	2363.333	6.356	25.048	31.404	74.000	54.000	Pass
00 (Average)	2390.000	6.474	23.053	29.528	74.000	54.000	Pass
00 (Average)	2400.000	6.528	35.073	41.601	--	--	--
00 (Average)	2402.029	6.540	74.748	81.288	--	--	--

Figure Channel 00: Horizontal (Peak)

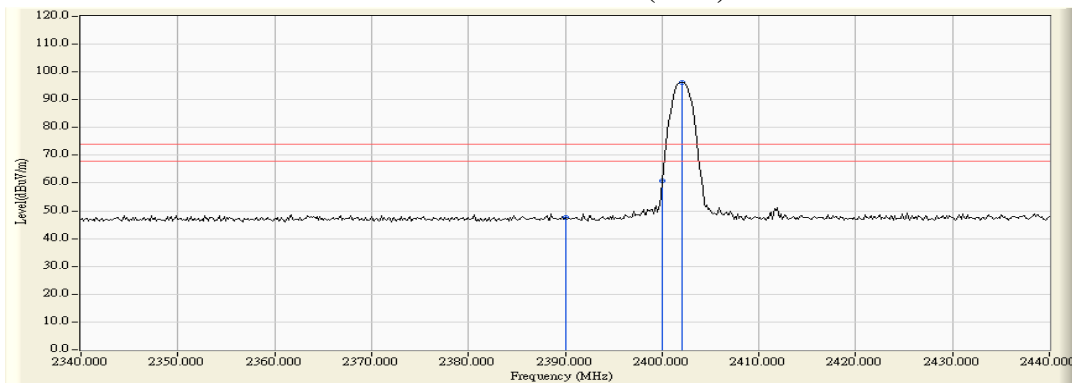
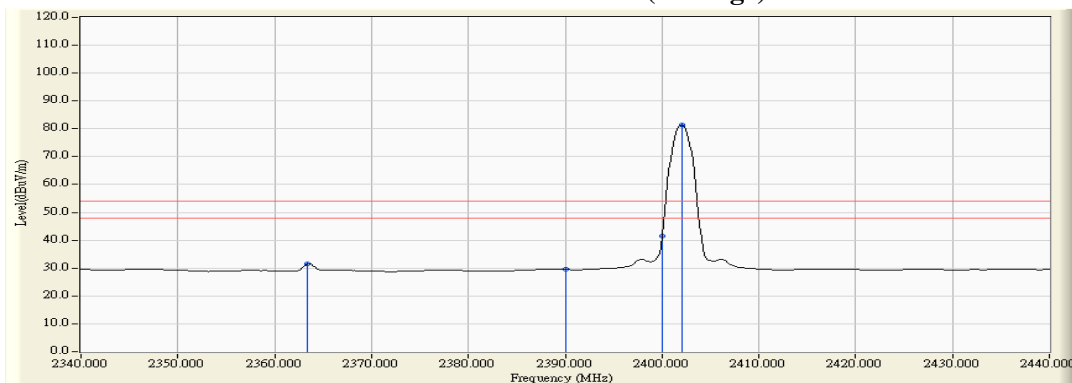


Figure Channel 00: Horizontal (Average)



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 : 2018/03/09
 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)	2390.000	5.880	41.255	47.136	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	60.597	66.476	--	--	--
00 (Peak)	2402.029	5.884	96.741	102.625	--	--	--
00 (Average)	2363.478	5.989	29.241	35.230	74.000	54.000	Pass
00 (Average)	2390.000	5.880	24.357	30.238	74.000	54.000	Pass
00 (Average)	2400.000	5.879	40.169	46.048	--	--	--
00 (Average)	2402.029	5.884	79.451	85.335	--	--	--

Figure Channel 00: Vertical (Peak)

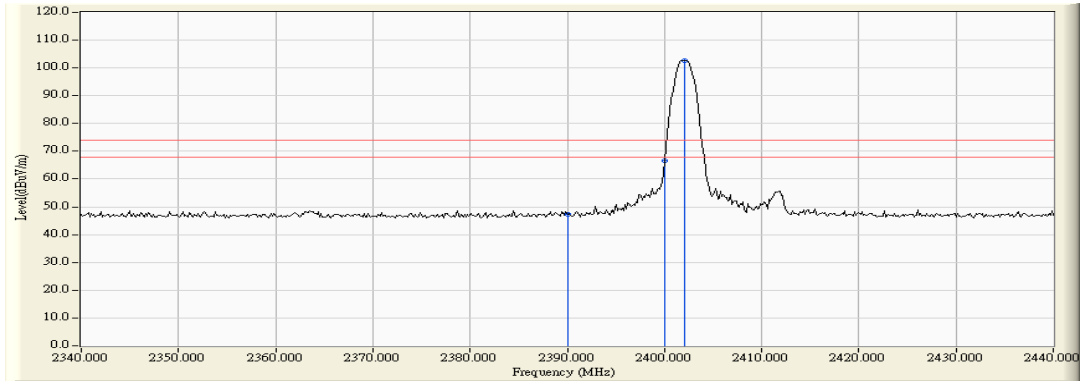
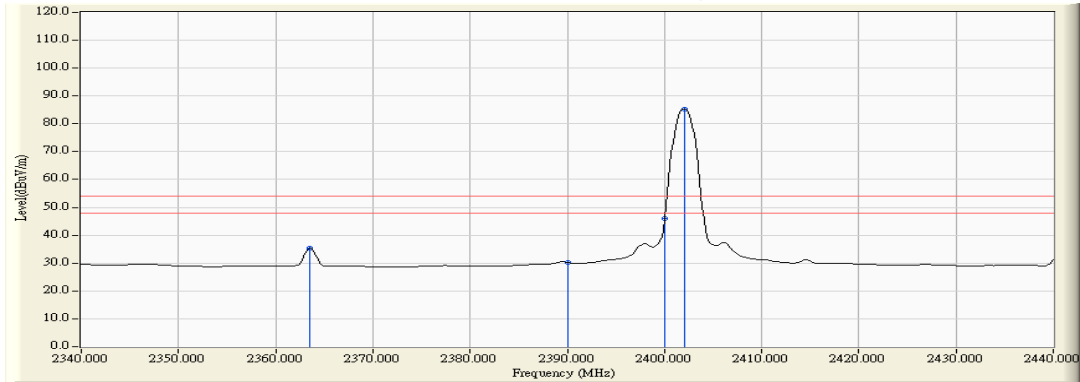


Figure Channel 00: Vertical (Average)



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 : 2018/03/09
 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)	2479.877	7.085	90.305	97.389	--	--	--
78 (Peak)	2483.500	7.110	41.781	48.891	74.000	54.000	Pass
78 (Average)	2480.022	7.086	76.401	83.486	--	--	--
78 (Average)	2483.500	7.110	25.714	32.824	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

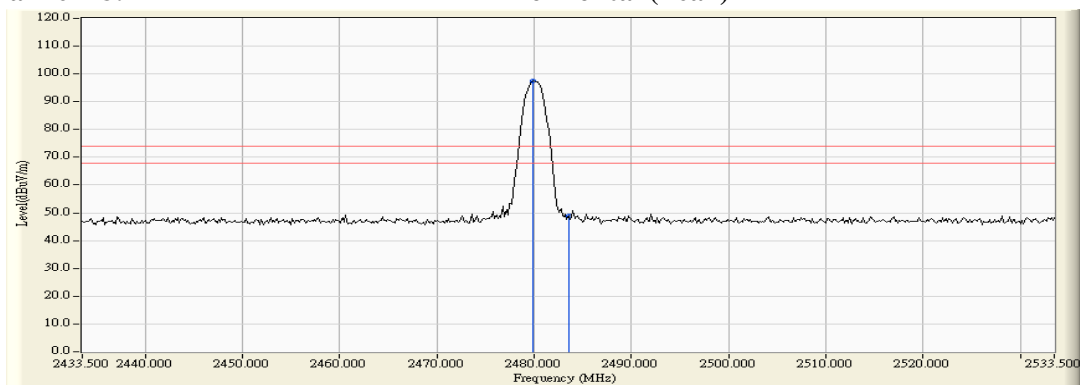
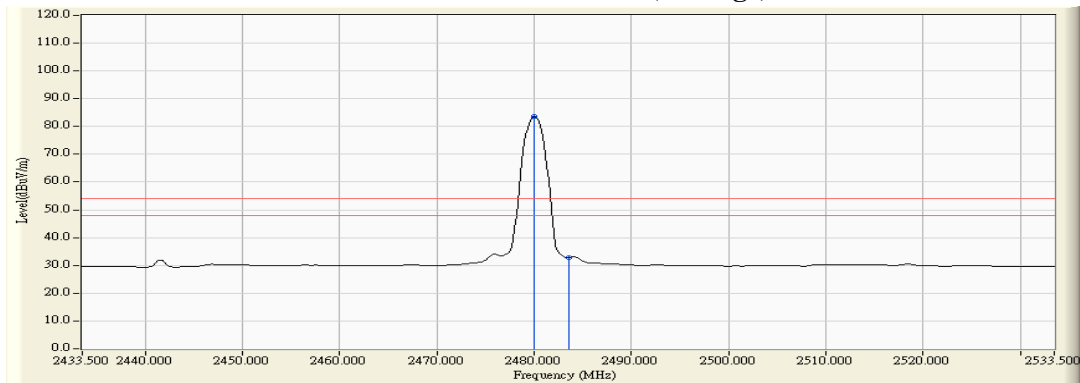


Figure Channel 78: Horizontal (Average)



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 : 2018/03/09
 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)	2479.877	6.341	99.606	105.947	--	--	--
78 (Peak)	2483.500	6.363	49.723	56.086	74.000	54.000	Pass
78 (Peak)	2489.442	6.401	49.558	55.958	74.000	54.000	Pass
78 (Average)	2480.022	6.342	83.526	89.868	--	--	--
78 (Average)	2483.500	6.363	31.740	38.103	74.000	54.000	Pass
78 (Average)	2518.283	6.466	28.347	34.813	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

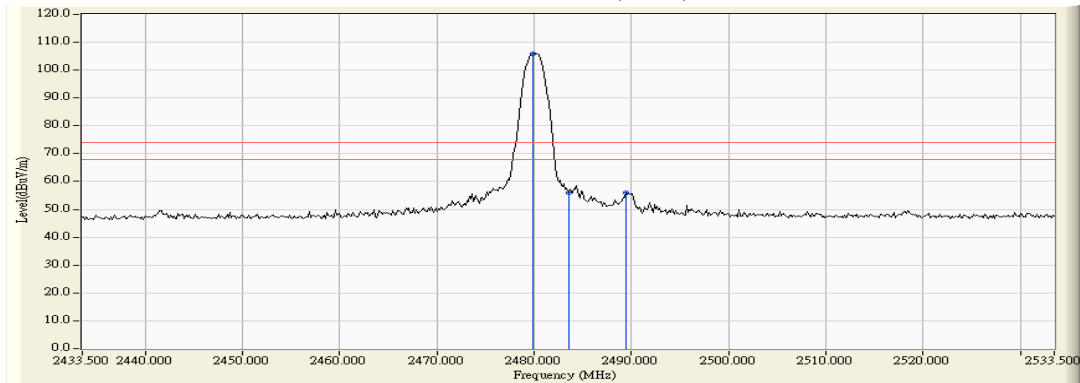
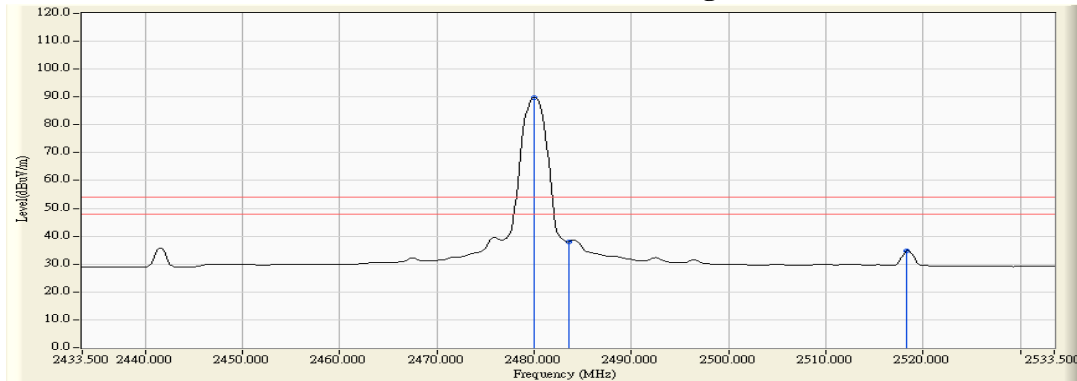


Figure Channel 78: Vertical (Average)



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 : 2018/03/09
 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)	2390.000	6.474	41.604	48.079	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	67.295	73.823	--	--	--
00 (Peak)	2402.174	6.541	89.800	96.341	--	--	--
00 (Average)	2363.768	6.357	24.527	30.885	74.000	54.000	Pass
00 (Average)	2390.000	6.474	24.474	30.949	74.000	54.000	Pass
00 (Average)	2400.000	6.528	46.341	52.869	--	--	--
00 (Average)	2402.029	6.540	73.055	79.595	--	--	--

Figure Channel 00: Horizontal (Peak)

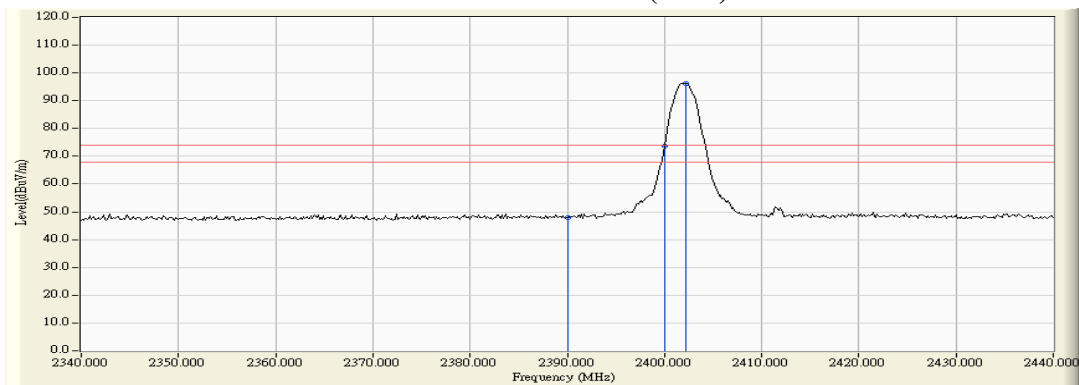
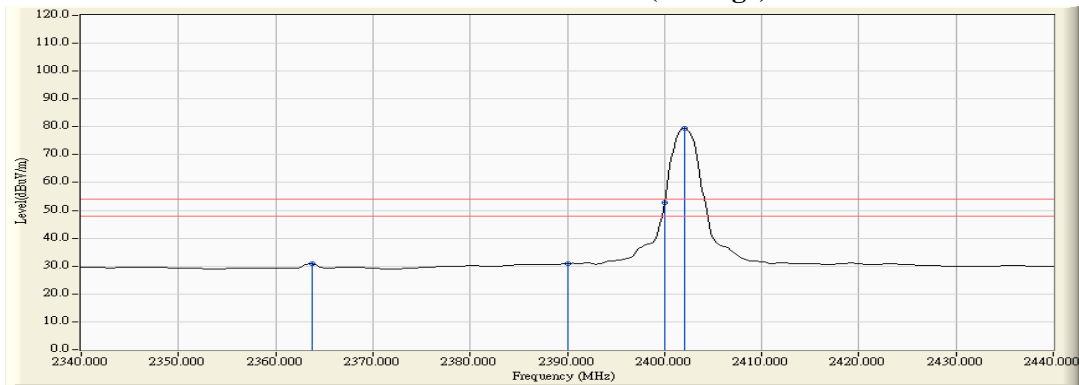


Figure Channel 00: Horizontal (Average)



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 : 2018/03/09
 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)	2390.000	5.880	43.503	49.384	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	74.103	79.982	--	--	--
00 (Peak)	2402.174	5.884	96.891	102.775	--	--	--
00 (Average)	2363.333	5.990	27.871	33.861	74.000	54.000	Pass
00 (Average)	2390.000	5.880	27.754	33.635	74.000	54.000	Pass
00 (Average)	2400.000	5.879	51.875	57.754	--	--	--
00 (Average)	2402.029	5.884	78.623	84.507	--	--	--

Figure Channel 00: Vertical (Peak)

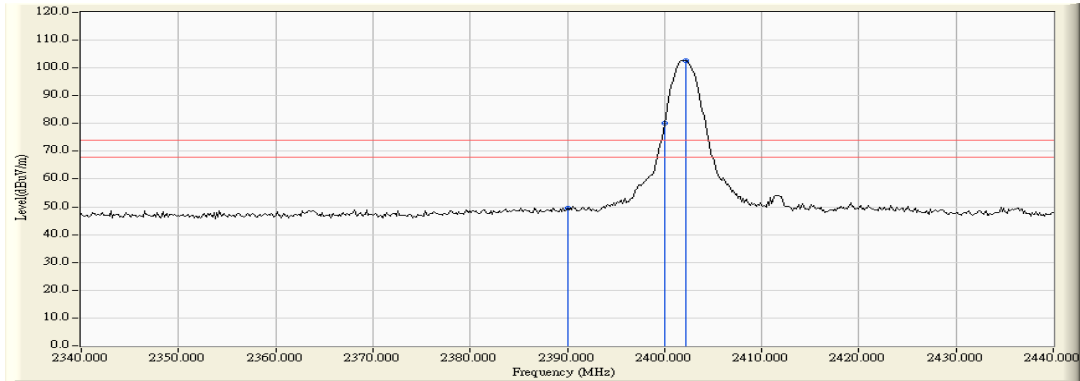
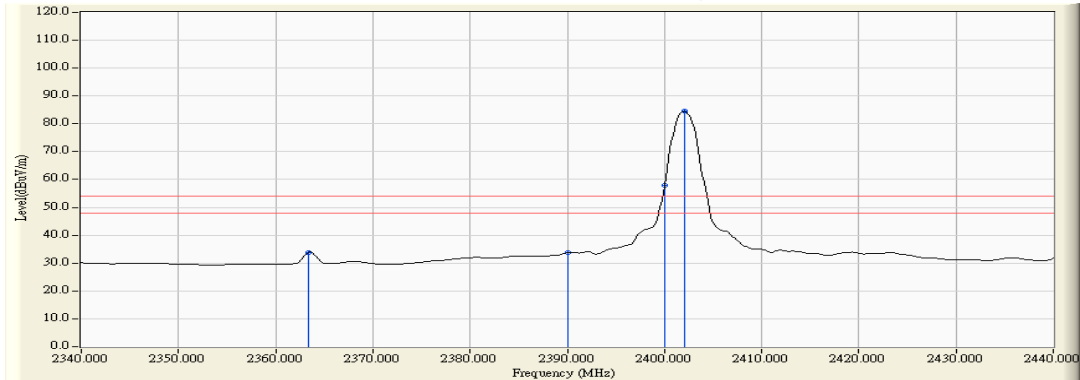


Figure Channel 00: Vertical (Average)



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 : 2018/03/09
 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)	2479.877	7.085	89.965	97.049	--	--	--
78 (Peak)	2483.500	7.110	44.709	51.819	74.000	54.000	Pass
78 (Average)	2480.022	7.086	73.852	80.937	--	--	--
78 (Average)	2483.500	7.110	29.154	36.264	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

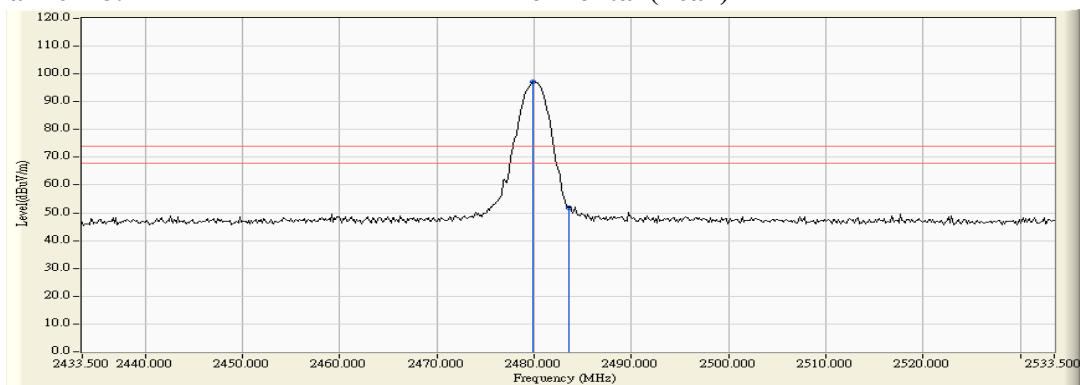
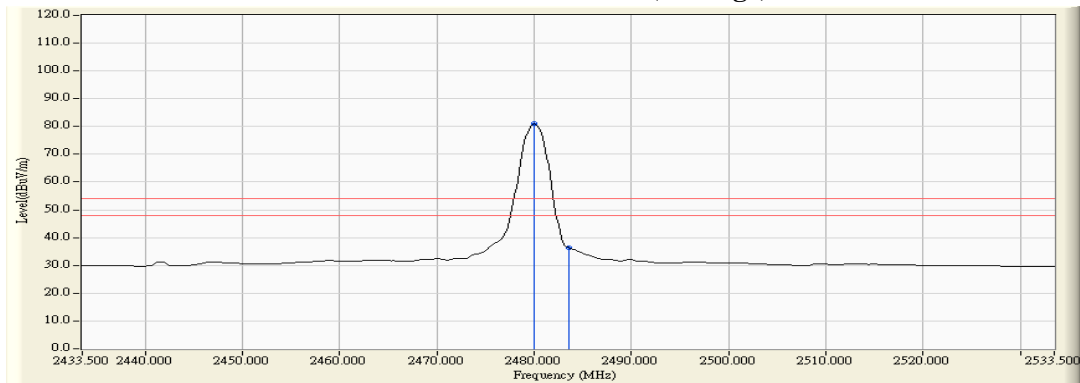


Figure Channel 78: Horizontal (Average)



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 : 2018/03/09
 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	99.012	105.353	--	--	--
78 (Peak)	2483.500	6.363	55.160	61.523	74.000	54.000	Pass
78 (Peak)	2489.442	6.401	50.109	56.509	74.000	54.000	Pass
78 (Average)	2480.022	6.342	80.135	86.477	--	--	--
78 (Average)	2483.500	6.363	35.885	42.248	74.000	54.000	Pass
78 (Average)	2518.717	6.465	27.441	33.907	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

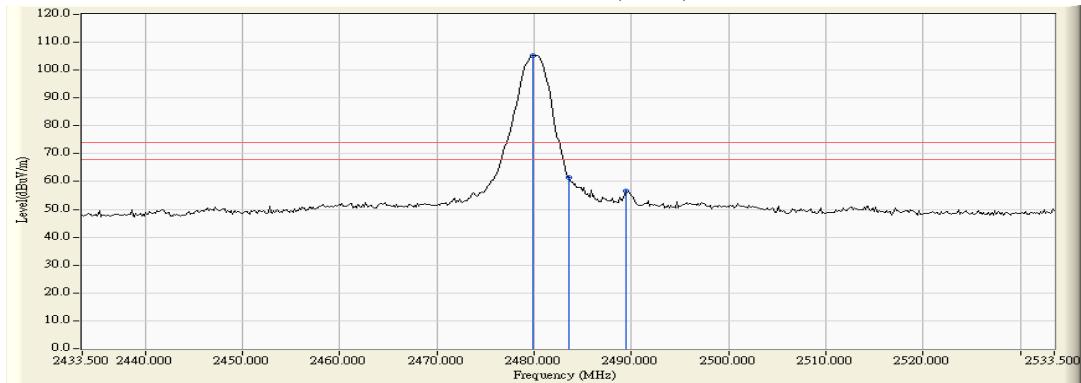
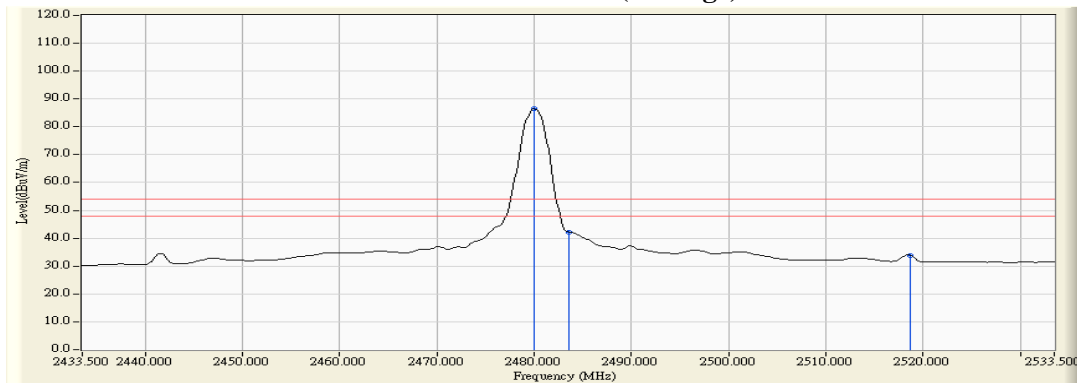


Figure Channel 78: Vertical (Average)



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 : 2018/03/09
 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)	2390.000	6.474	41.102	47.577	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	60.716	67.244	--	--	--
00 (Peak)	2402.029	6.540	87.434	93.974	--	--	--
00 (Average)	2390.000	6.474	23.763	30.238	74.000	54.000	Pass
00 (Average)	2400.000	6.528	43.076	49.604	--	--	--
00 (Average)	2401.884	6.540	72.226	78.766	--	--	--

Figure Channel 00: Horizontal (Peak)

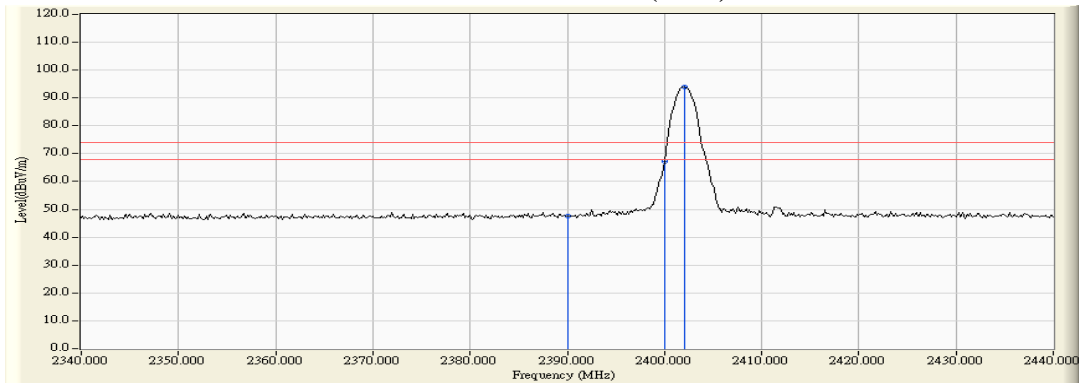
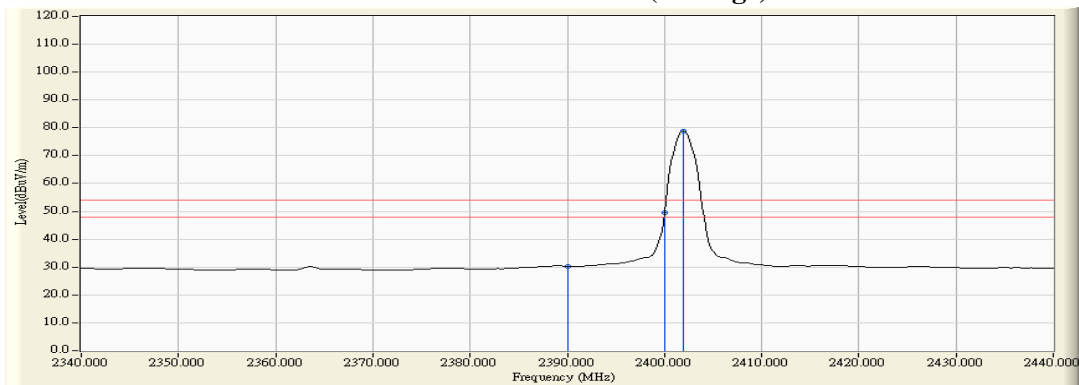


Figure Channel 00: Horizontal (Average)



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 : 2018/03/09
 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)	2387.391	5.891	45.648	51.540	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	43.771	49.652	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	68.151	74.030	--	--	--
00 (Peak)	2402.029	5.884	94.735	100.619	--	--	--
00 (Average)	2363.333	5.990	26.416	32.406	74.000	54.000	Pass
00 (Average)	2390.000	5.880	26.244	32.125	74.000	54.000	Pass
00 (Average)	2400.000	5.879	48.439	54.318	--	--	--
00 (Average)	2402.029	5.884	77.657	83.541	--	--	--

Figure Channel 00: Vertical (Peak)

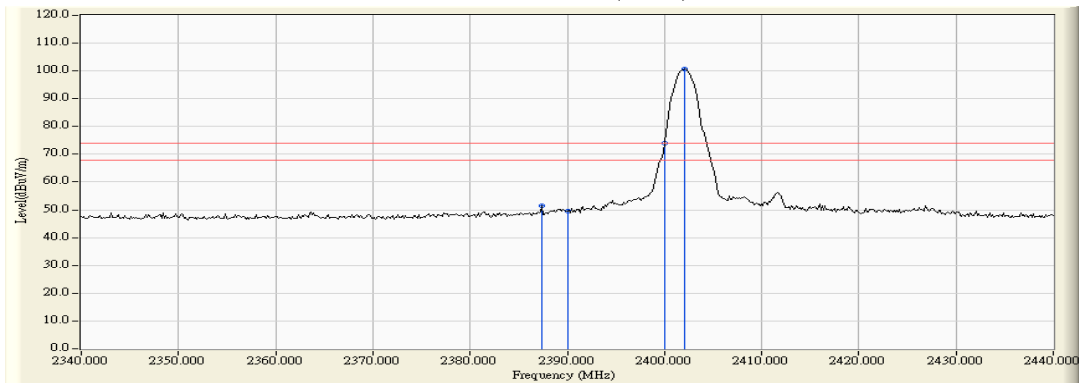
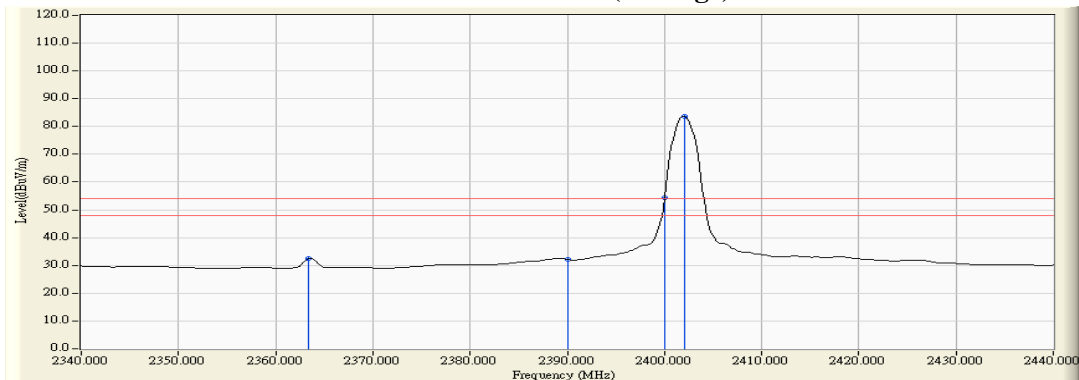


Figure Channel 00: Vertical (Average)



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 : 2018/03/09
 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	90.144	97.229	--	--	--
78 (Peak)	2483.500	7.110	48.027	55.137	74.000	54.000	Pass
78 (Average)	2480.022	7.086	72.880	79.965	--	--	--
78 (Average)	2483.500	7.110	29.259	36.369	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

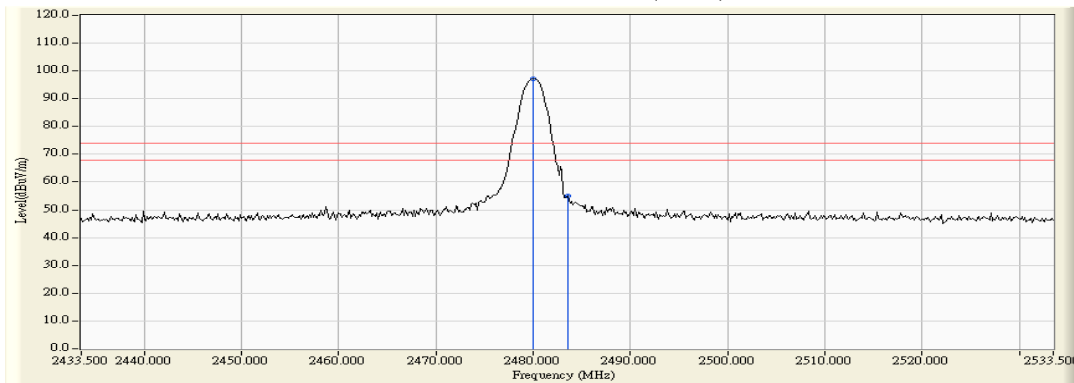
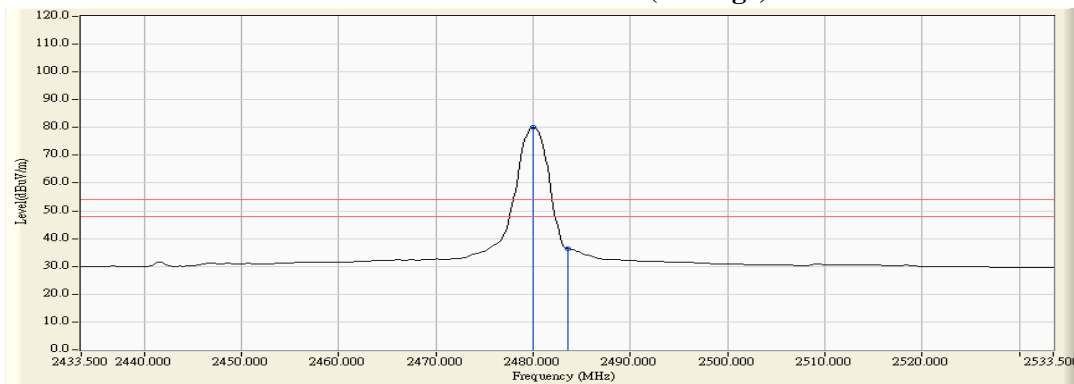


Figure Channel 78: Horizontal (Average)



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 : 2018/03/09
 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	98.995	105.337	--	--	--
78 (Peak)	2483.500	6.363	57.548	63.911	74.000	54.000	Pass
78 (Average)	2480.022	6.342	79.636	85.978	--	--	--
78 (Average)	2483.500	6.363	35.850	42.213	74.000	54.000	Pass
78 (Average)	2518.138	6.466	27.516	33.982	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

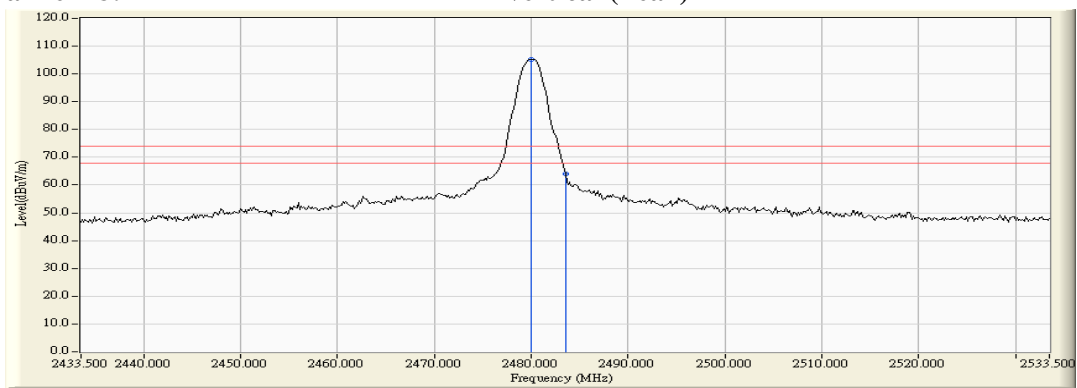
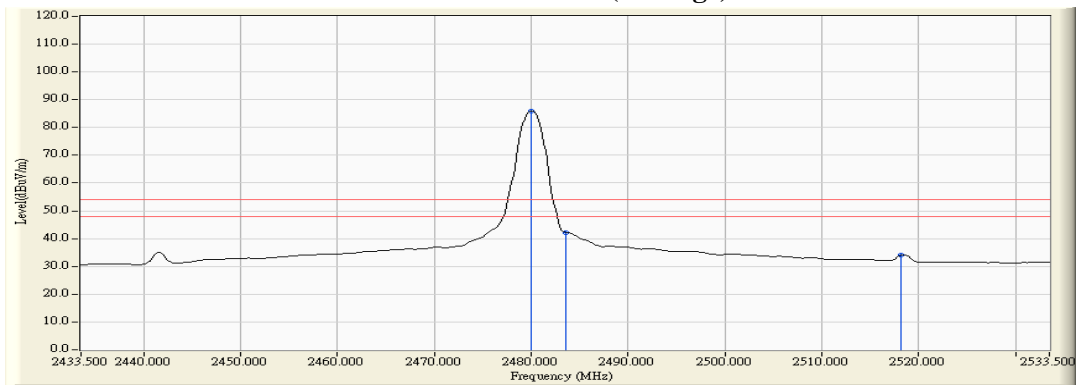


Figure Channel 78: Vertical (Average)



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 : 2018/03/09
 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)	2390.000	6.474	41.379	47.854	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	53.451	59.979	--	--	--
00 (Peak)	2402.174	6.541	87.507	94.048	--	--	--
00 (Average)	2390.000	6.474	22.805	29.280	74.000	54.000	Pass
00 (Average)	2400.000	6.528	33.615	40.143	--	--	--
00 (Average)	2402.029	6.540	72.417	78.957	--	--	--

Figure Channel 00: Horizontal (Peak)

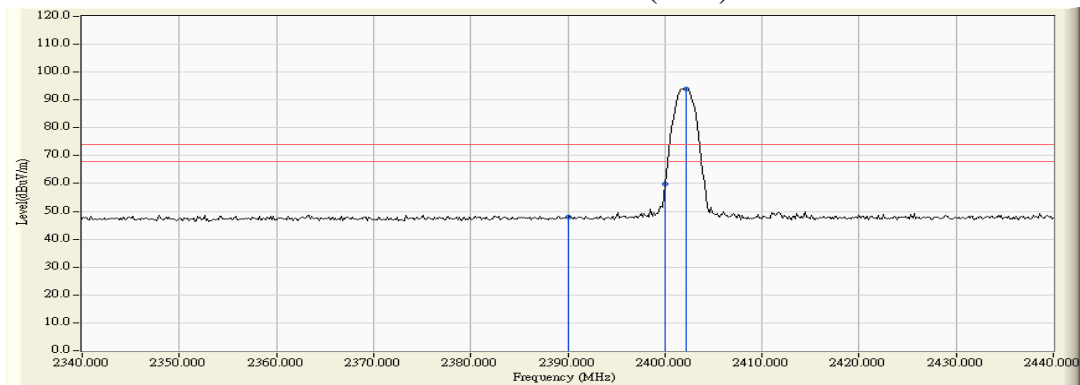
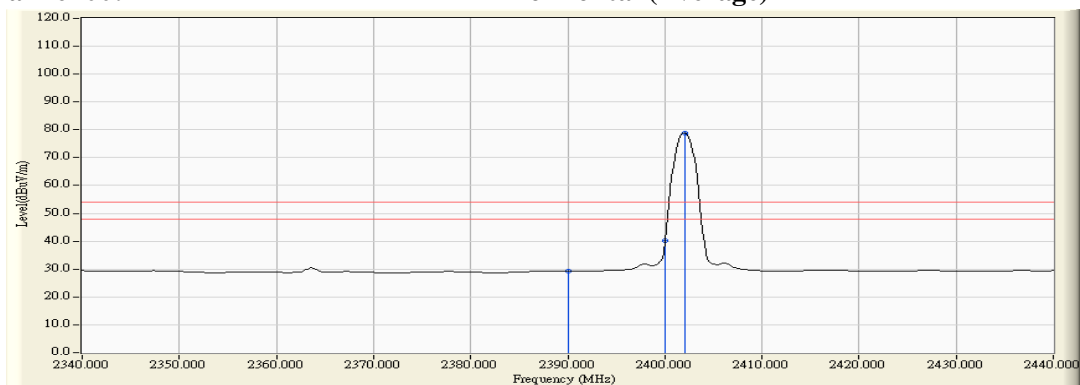


Figure Channel 00: Horizontal (Average)



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 : 2018/03/09
 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)	2390.000	5.880	40.130	46.011	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	61.880	67.759	--	--	--
00 (Peak)	2401.884	5.884	96.688	102.572	--	--	--
00 (Average)	2363.768	5.988	29.316	35.304	74.000	54.000	Pass
00 (Average)	2390.000	5.880	24.493	30.374	74.000	54.000	Pass
00 (Average)	2400.000	5.879	40.234	46.113	--	--	--
00 (Average)	2402.174	5.884	79.494	85.378	--	--	--

Figure Channel 00: Vertical (Peak)

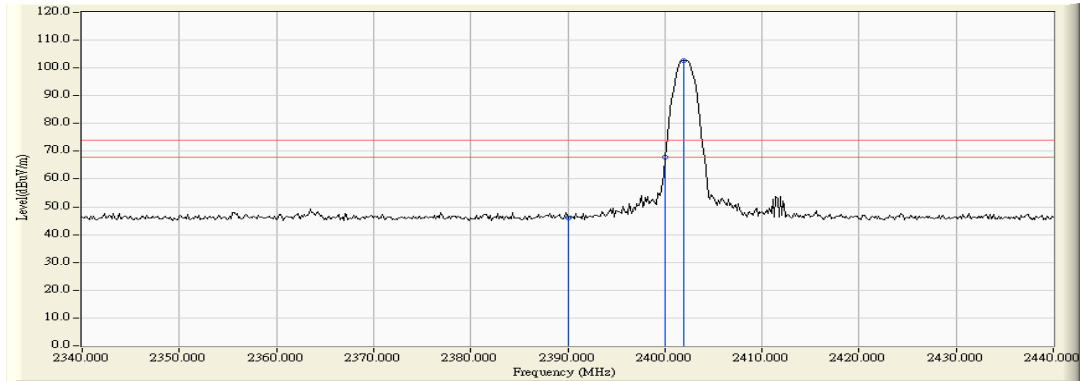
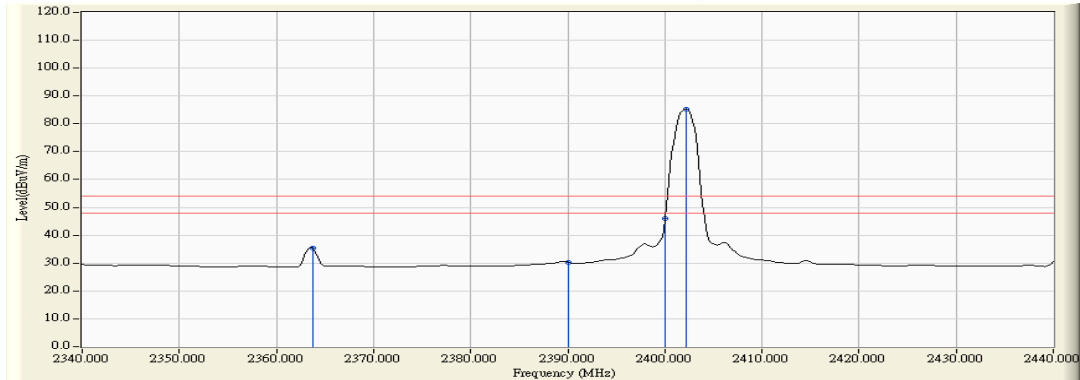


Figure Channel 00: Vertical (Average)



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 : 2018/03/09
 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)	2479.877	7.085	89.567	96.651	--	--	--
78 (Peak)	2483.500	7.110	41.587	48.697	74.000	54.000	Pass
78 (Average)	2480.022	7.086	73.521	80.606	--	--	--
78 (Average)	2483.500	7.110	25.500	32.610	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

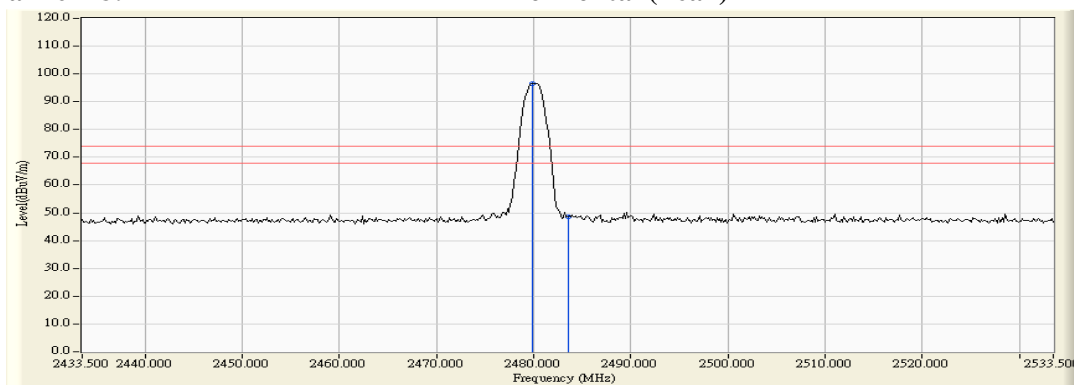
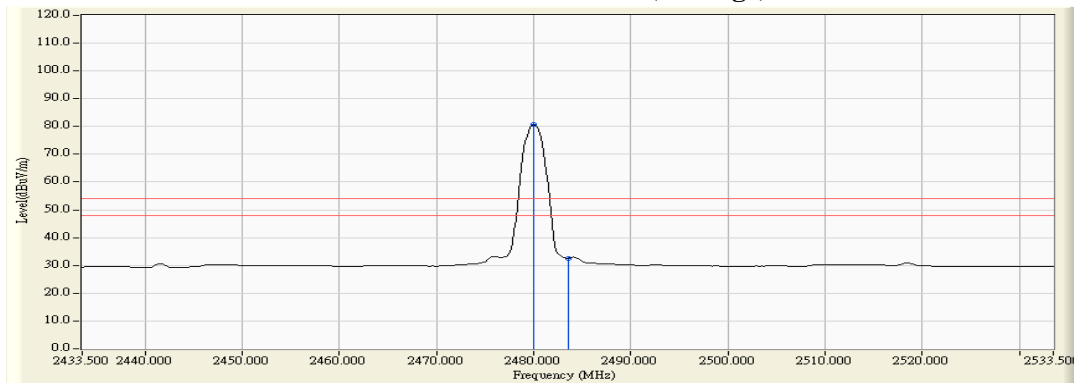


Figure Channel 78: Horizontal (Average)



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 : 2018/03/09
 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	98.819	105.161	--	--	--
78 (Peak)	2483.500	6.363	49.257	55.620	74.000	54.000	Pass
78 (Peak)	2489.732	6.403	50.296	56.698	74.000	54.000	Pass
78 (Average)	2480.022	6.342	82.089	88.431	--	--	--
78 (Average)	2483.500	6.363	31.290	37.653	74.000	54.000	Pass
78 (Average)	2484.225	6.368	31.932	38.300	74.000	54.000	Pass
78 (Average)	2518.283	6.466	27.888	34.354	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

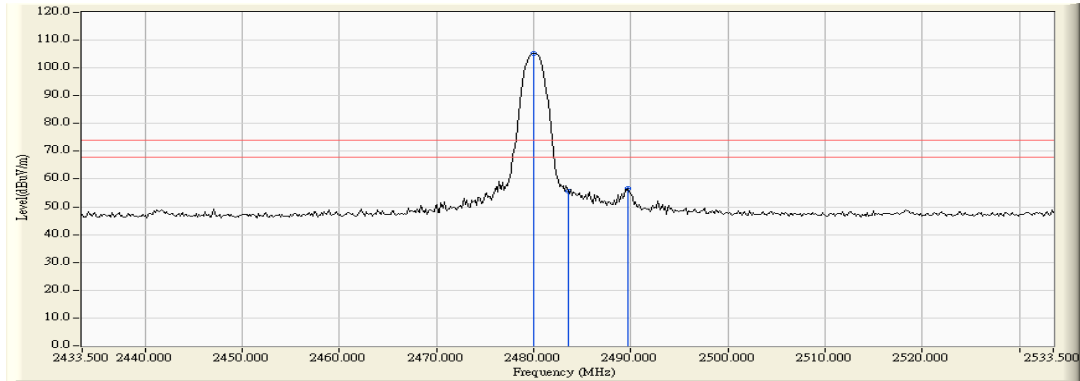
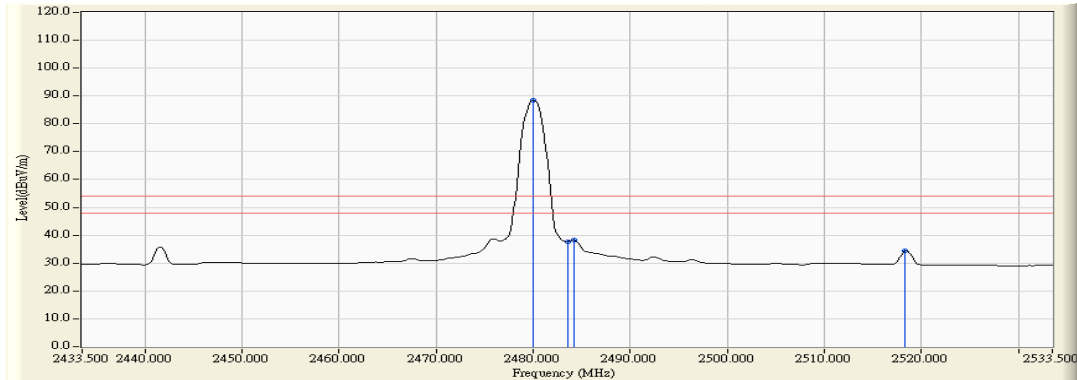


Figure Channel 78: Vertical (Average)



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 : 2018/03/09
 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)	2390.000	6.474	40.653	47.128	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	66.068	72.596	--	--	--
00 (Peak)	2402.174	6.541	87.544	94.085	--	--	--
00 (Average)	2390.000	6.474	23.792	30.267	74.000	54.000	Pass
00 (Average)	2400.000	6.528	45.281	51.809	--	--	--
00 (Average)	2402.029	6.540	71.271	77.811	--	--	--

Figure Channel 00: Horizontal (Peak)

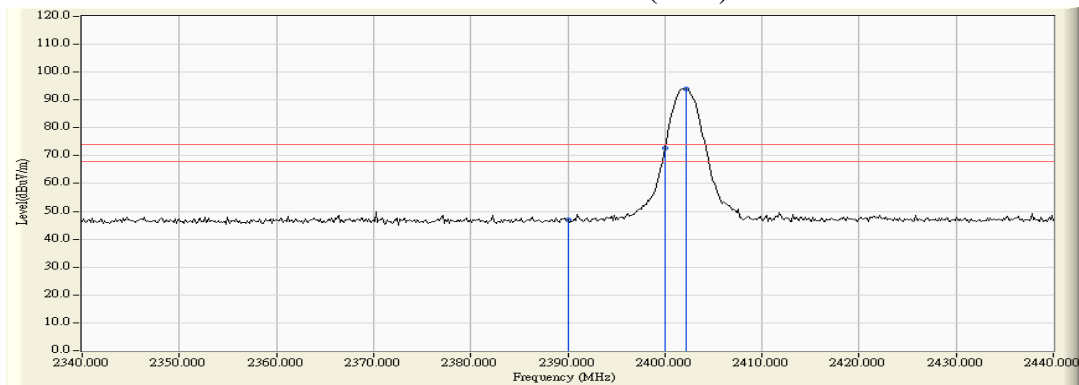
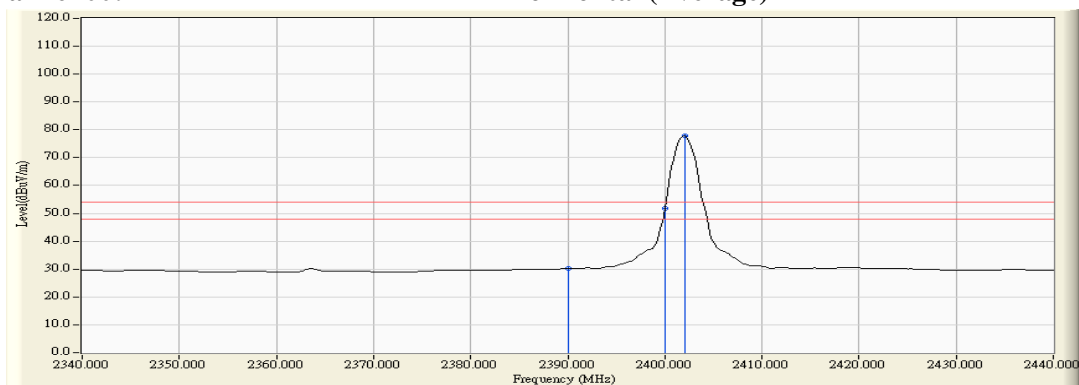


Figure Channel 00: Horizontal (Average)



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 : 2018/03/09
 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)	2390.000	5.880	43.443	49.324	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	75.812	81.691	--	--	--
00 (Peak)	2402.174	5.884	96.868	102.752	--	--	--
00 (Average)	2363.623	5.989	28.606	34.595	74.000	54.000	Pass
00 (Average)	2390.000	5.880	28.334	34.215	74.000	54.000	Pass
00 (Average)	2400.000	5.879	53.976	59.855	--	--	--
00 (Average)	2402.029	5.884	81.074	86.958	--	--	--

Figure Channel 00: Vertical (Peak)

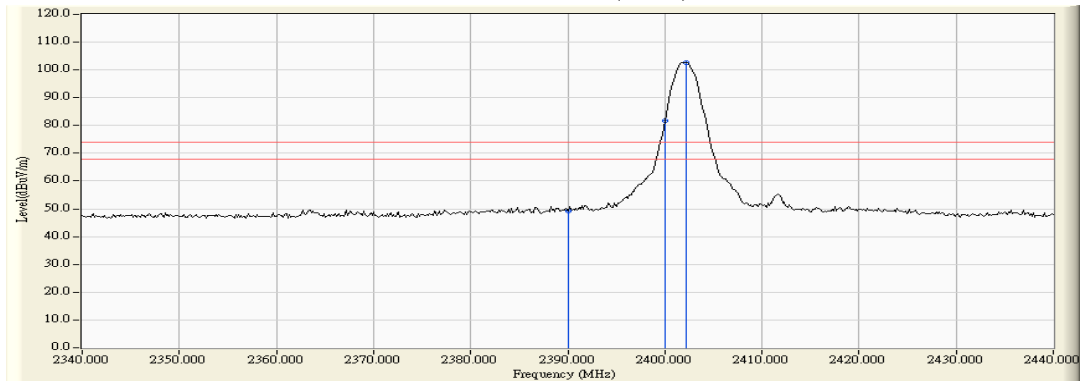
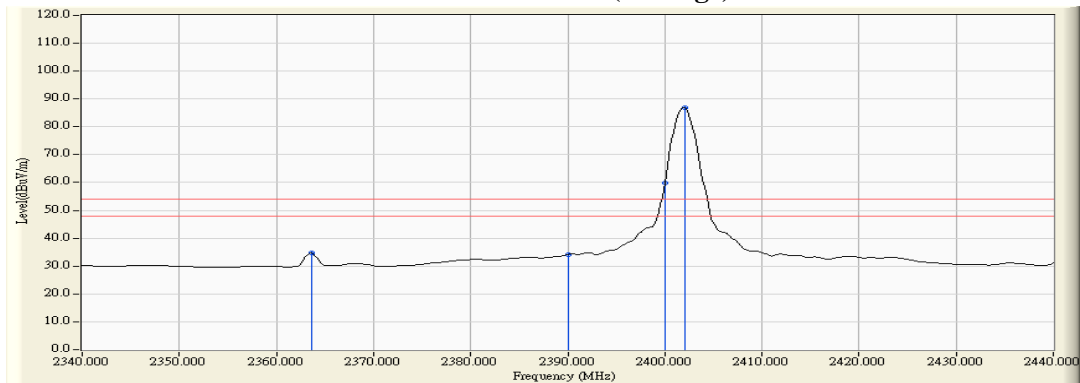


Figure Channel 00: Vertical (Average)



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 : 2018/03/09
 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)	2480.167	7.087	89.086	96.172	--	--	--
78 (Peak)	2483.500	7.110	45.817	52.927	74.000	54.000	Pass
78 (Peak)	2491.906	7.170	45.281	52.451	74.000	54.000	Pass
78 (Average)	2480.022	7.086	73.887	80.972	--	--	--
78 (Average)	2483.500	7.110	29.215	36.325	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

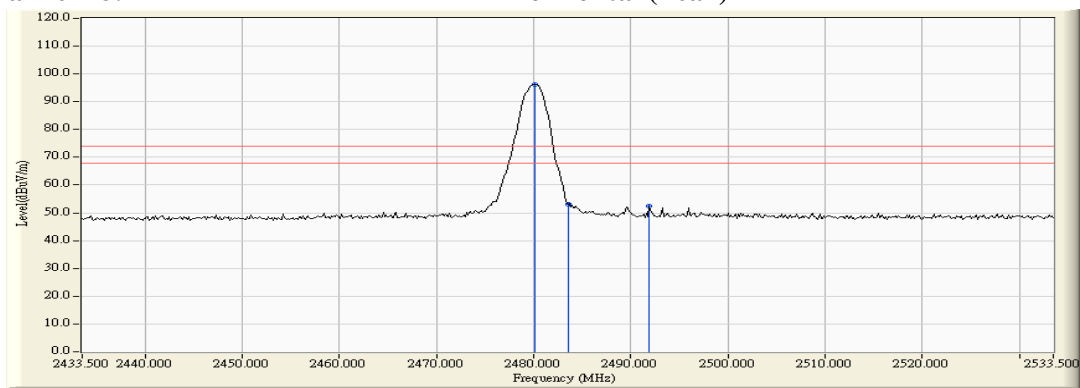
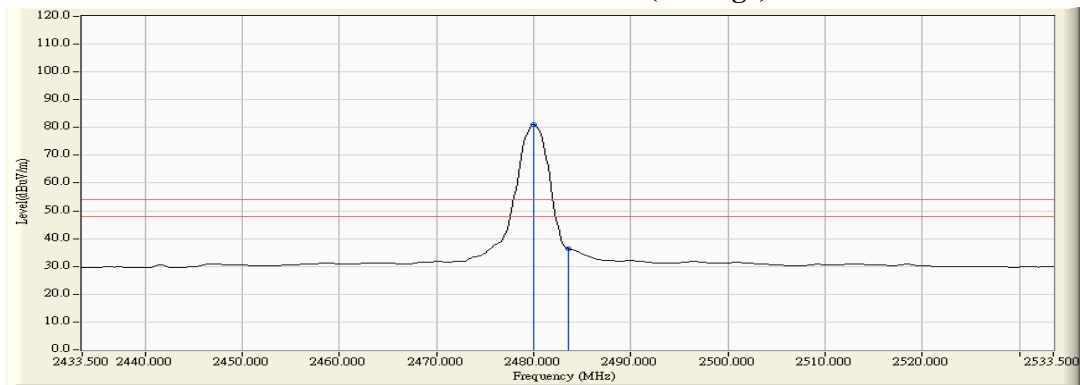


Figure Channel 78: Horizontal (Average)



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 : 2018/03/09
 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	98.297	104.638	--	--	--
78 (Peak)	2483.500	6.363	51.764	58.127	74.000	54.000	Pass
78 (Peak)	2489.732	6.403	50.067	56.469	74.000	54.000	Pass
78 (Average)	2480.022	6.342	79.906	86.248	--	--	--
78 (Average)	2483.500	6.363	35.365	41.728	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

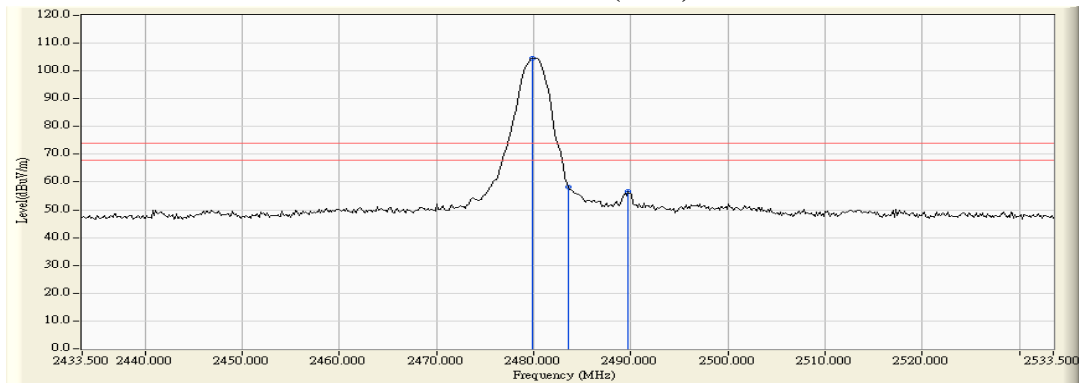
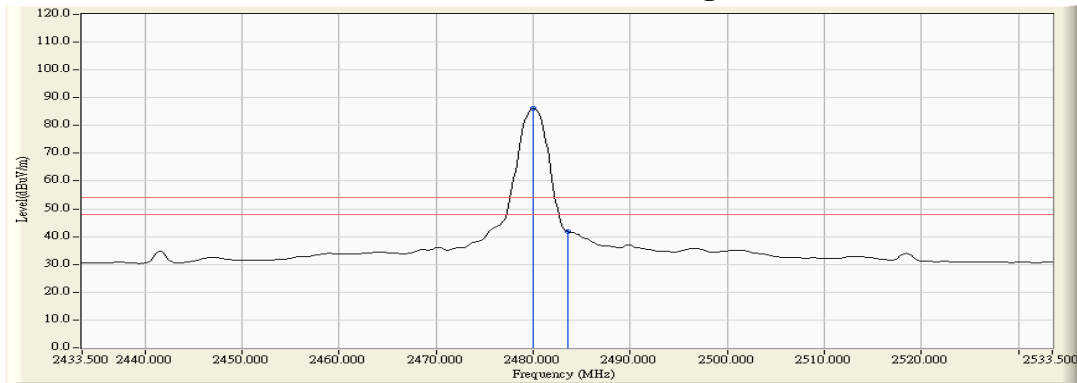


Figure Channel 78: Vertical (Average)



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 : 2018/03/09
 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)	2390.000	6.474	40.956	47.431	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	65.917	72.445	--	--	--
00 (Peak)	2402.029	6.540	87.312	93.852	--	--	--
00 (Average)	2390.000	6.474	23.866	30.341	74.000	54.000	Pass
00 (Average)	2400.000	6.528	44.819	51.347	--	--	--
00 (Average)	2402.029	6.540	71.302	77.842	--	--	--

Figure Channel 00: Horizontal (Peak)

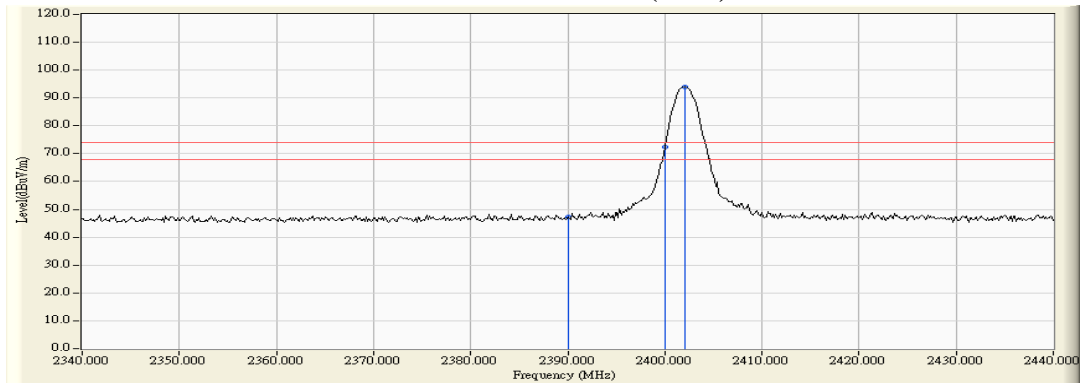
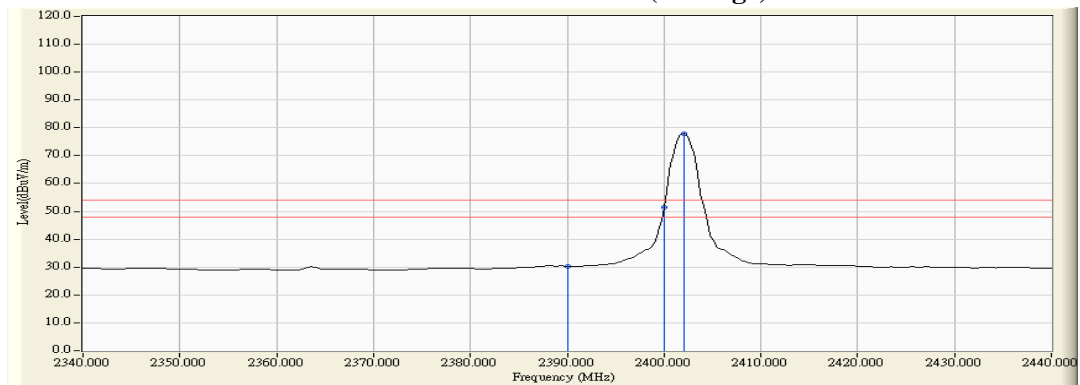


Figure Channel 00: Horizontal (Average)



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 : 2018/03/09
 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)	2390.000	5.880	48.296	54.177	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	75.640	81.519	--	--	--
00 (Peak)	2402.029	5.884	96.918	102.802	--	--	--
00 (Average)	2363.768	5.988	28.415	34.403	74.000	54.000	Pass
00 (Average)	2390.000	5.880	28.268	34.149	74.000	54.000	Pass
00 (Average)	2400.000	5.879	51.820	57.699	--	--	--
00 (Average)	2402.029	5.884	78.281	84.165	--	--	--

Figure Channel 00: Vertical (Peak)

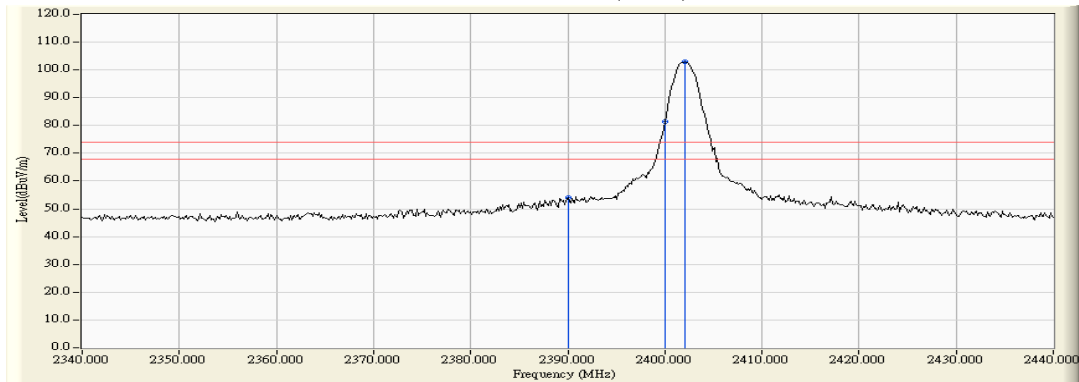
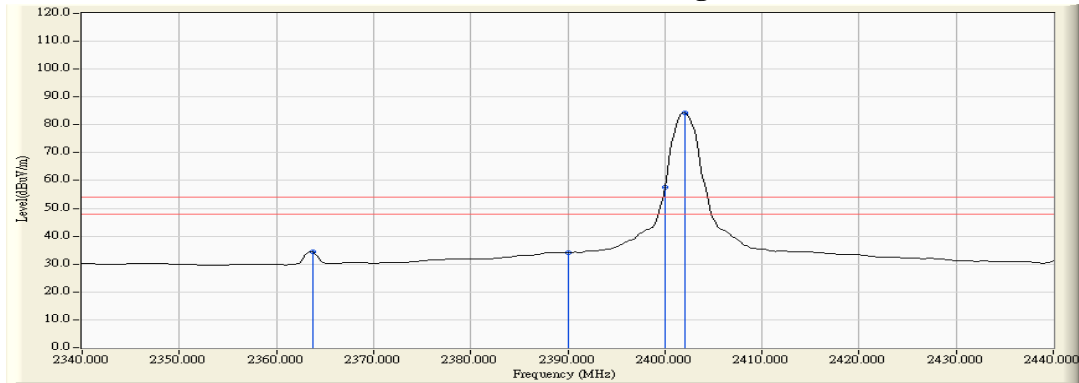


Figure Channel 00: Vertical (Average)



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 : 2018/03/09
 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	89.112	96.197	--	--	--
78 (Peak)	2483.500	7.110	50.163	57.273	74.000	54.000	Pass
78 (Average)	2480.022	7.086	73.537	80.622	--	--	--
78 (Average)	2483.500	7.110	29.356	36.466	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

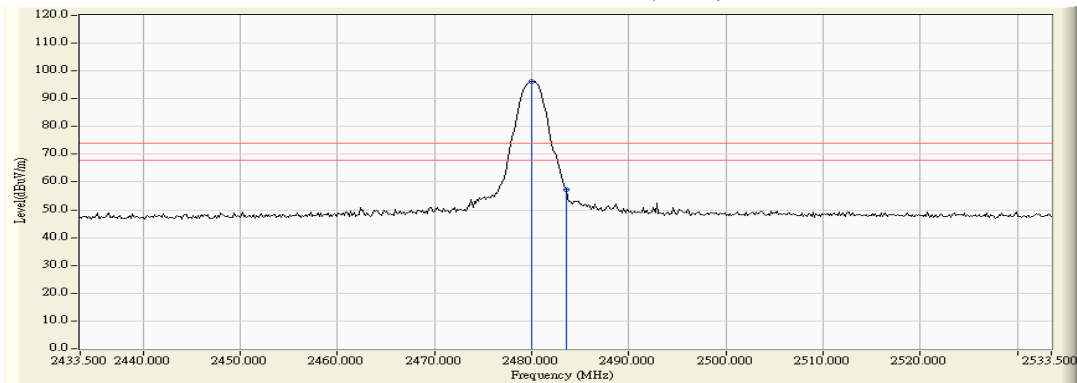
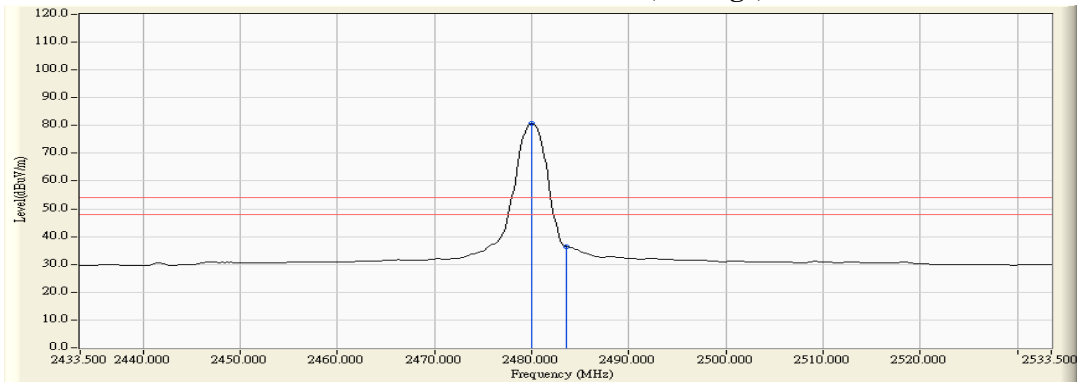


Figure Channel 78: Horizontal (Average)



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 : 2018/03/09
 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	98.551	104.893	--	--	--
78 (Peak)	2483.500	6.363	58.247	64.610	74.000	54.000	Pass
78 (Average)	2480.022	6.342	80.974	87.316	--	--	--
78 (Average)	2483.500	6.363	36.301	42.664	74.000	54.000	Pass
78 (Average)	2518.717	6.465	27.380	33.846	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

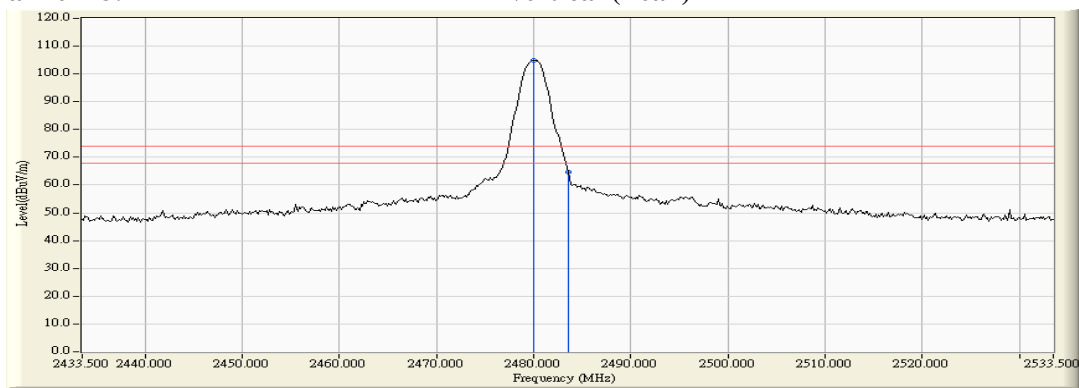
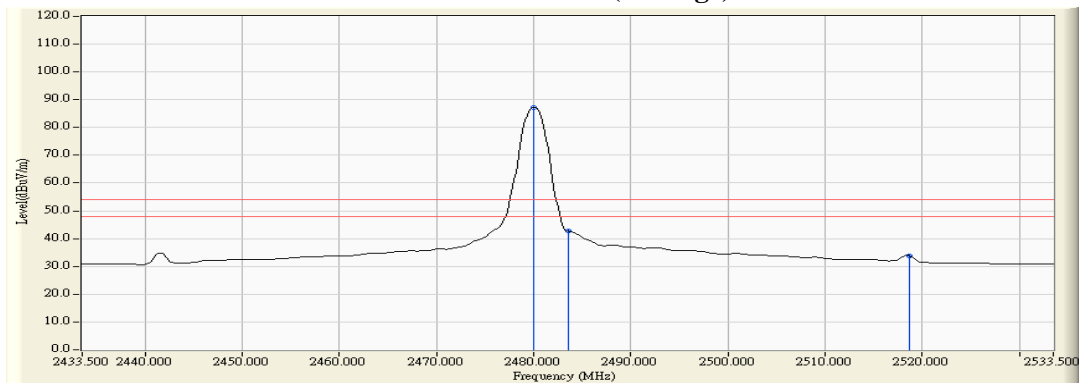


Figure Channel 78: Vertical (Average)



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.