

FCC Test Report

(Class II Permissive Change)

Product Name	Intel® Dual Band Wireless-AC 8265
Model No.	8265NGW
FCC ID.	PD98265NG, PD98265NGU

*FCC ID: PD98265NG (for OEM factory install)

*FCC ID: PD98265NGU (for User Installation w/bios lock feature.)

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

Date of Receipt	Sep. 07, 2016
Issued Date	Oct. 13, 2016
Report No.	1690161R-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: Oct. 13, 2016

Report No.: 1690161R-RFUSP23V00



Product Name	Intel® Dual Band Wireless-AC 8265
Applicant	Intel Mobile Communications
Address	100 Center Point Circle, Suite 200 Columbia, South Carolina 29210 USA
Manufacturer	Intel Mobile Communications
Model No.	8265NGW
FCC ID.	PD98265NG, PD98265NGU
EUT Rated Voltage	DC 3.3V (via Mini-PCI Express slot)
EUT Test Voltage	AC 120V/60Hz
Trade Name	Intel
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2015 ANSI C63.4: 2014, ANSI C63.10: 2013
Test Result	Complied

Documented By :

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Tested By :

Nick Chen

(Engineer / Nick Chen)

Approved By :

Vincent Lin

(Director / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Intel® Dual Band Wireless-AC 8265
Trade Name	Intel
Model No.	8265NGW
FCC ID.	PD98265NG, PD98265NGU
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 (External)	Dipole Antenna	2.89dBi for 2.4GHz

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® Dual Band Wireless-AC 8265 with a built-in 2.4GHz and 5GHz 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: PD98265NG, PD98265NGU, originally granted on 06/03/2016.

The major change filed under this application is:

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

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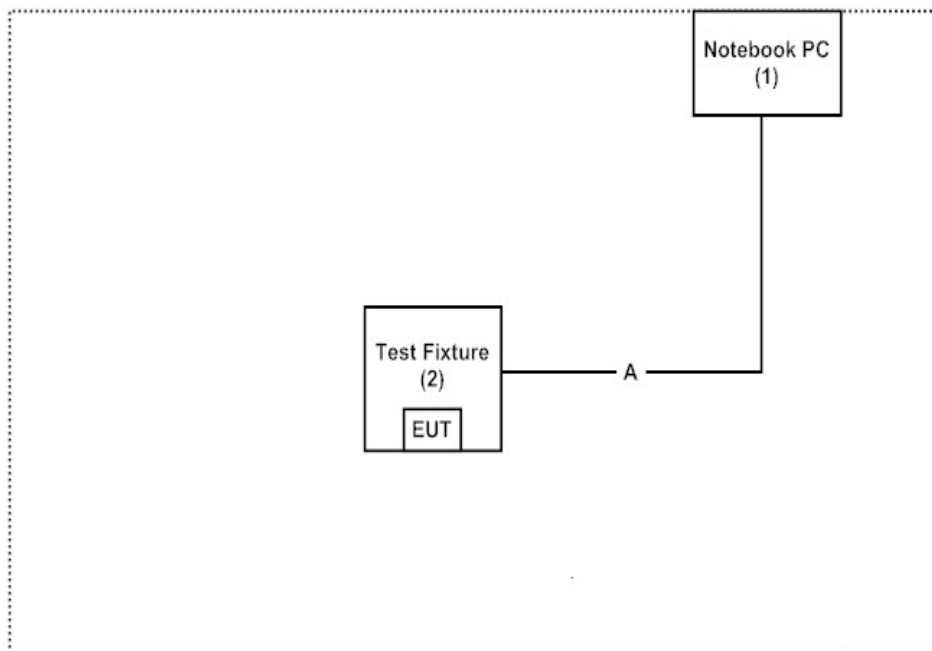
1.3. Tested System Details

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 1.8.7-02915)” 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	30-65
Barometric pressure (mbar)	860-1060	950-1000

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site : <http://www.quietek.com/chinese/about/certificates.aspx?bval=5>
The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

Site Description: File on
Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 92195

Site Name: Quietek Corporation
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 : service@quietek.com

FCC Accreditation Number: TW1014

2. List of Test Item and Equipment

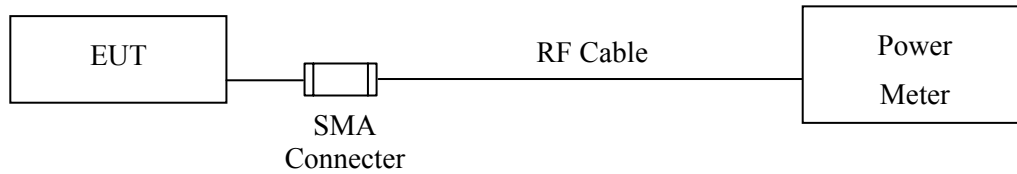
	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Power Meter	Anritsu	ML2495A	6K00003357	2016/6/23	2017/6/22
X	Spectrum Analyzer	R&S	FSP40	100170	2016/1/5	2017/1/3
X	Loop Antenna	TESEQ	HLA6121	37133	2016/3/18	2017/3/17
X	Bi-Log Antenna	Schaffner Chase	CBL6112B	2707	2016/6/11	2017/6/10
X	Horn Antenna	ETS-Lindgren	3117	00203761	2015/10/15	2016/10/13
X	Horn Antenna	Schwarzbeck	BBHA9170	209	2016/4/14	2017/4/13
X	Pre-Amplifier	QuieTek	QTK-LK-E-I-A	N/A	2016/6/16	2017/6/15
X	Pre-Amplifier	EMCI	EMC012630SE	980210	2016/1/26	2017/1/24
X	Pre-Amplifier	NARDA WE	DBL-1840N506	013	2016/8/6	2017/8/4
X	Filter	MicroTRON	BRM50701	019	2015/10/20	2016/10/18
	Filter	Microwave Circuits	N0257881	36681	2015/12/7	2016/12/5
X	EMI Test Receiver	R&S	ESCS 30	838251/001	2016/7/21	2017/7/20
X	Coaxial Cable	QTK(Arnist)	RG 214	LC003-RG	2016/6/16	2017/6/15
X	Coaxial signal switch	Anritsu	MP59B	6201415889	2016/6/16	2017/6/15

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. Peak Power Output

3.1. Test Setup



3.2. Limit

The maximum peak power shall be less 1Watt.

3.3. 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.

3.4. Uncertainty

± 1.27 dB

3.5. Test Result of Peak Power Output

Product : Intel® Dual Band Wireless-AC 8265
 Test Item : Peak Power Output
 Test Site : No.3 OATS
 Test date : 2016.09.12
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	11.44	1 Watt= 30 dBm	Pass
Channel 39	2441.00	11.80	1 Watt= 30 dBm	Pass
Channel 78	2480.00	11.76	1 Watt= 30 dBm	Pass

Product : Intel® Dual Band Wireless-AC 8265
 Test Item : Peak Power Output
 Test Site : No.3 OATS
 Test date : 2016.09.12
 Test Mode : Mode 2: Transmit - 2Mbps ($\pi/4$ DQPSK)

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	11.36	1 Watt= 30 dBm	Pass
Channel 39	2441.00	11.68	1 Watt= 30 dBm	Pass
Channel 78	2480.00	11.64	1 Watt= 30 dBm	Pass

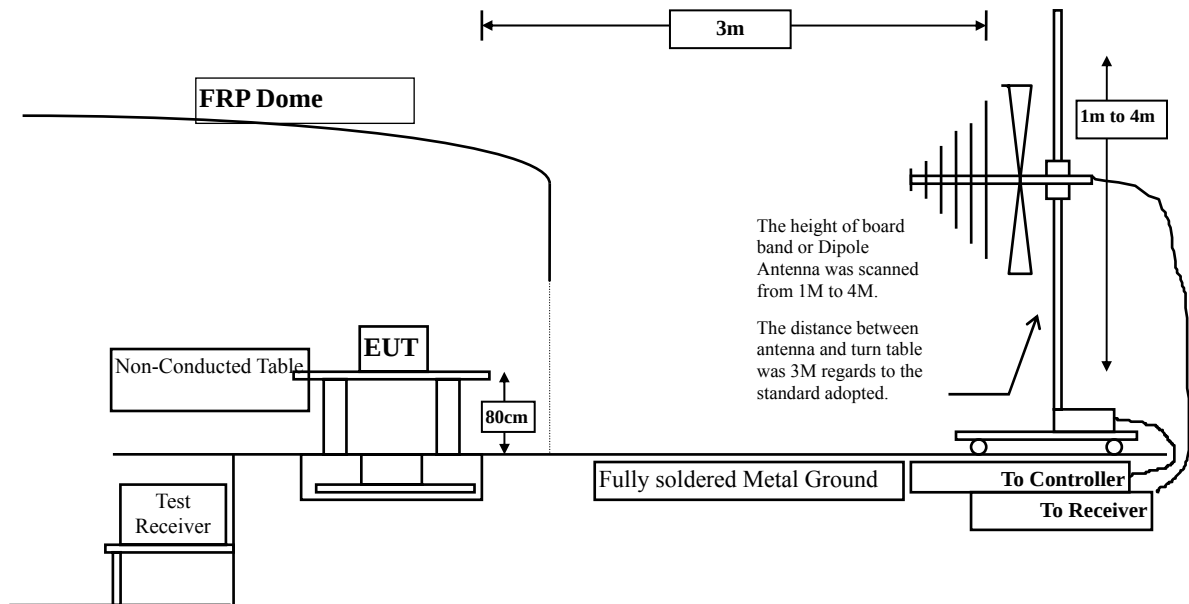
Product : Intel® Dual Band Wireless-AC 8265
 Test Item : Peak Power Output
 Test Site : No.3 OATS
 Test date : 2016.09.12
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	11.15	1 Watt= 30 dBm	Pass
Channel 39	2441.00	11.42	1 Watt= 30 dBm	Pass
Channel 78	2480.00	11.36	1 Watt= 30 dBm	Pass

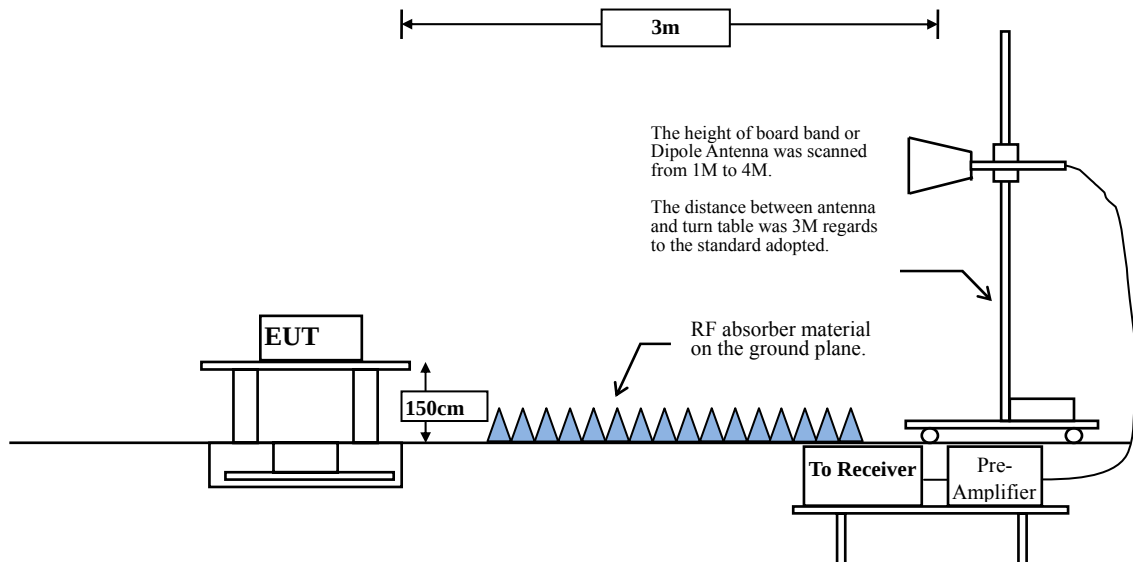
4. Radiated Emission

4.1. Test Setup

Below 1GHz



Above 1GHz



4.2. 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.

4.3. 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.

4.4. Uncertainty

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

4.5. Test Result of Radiated Emission

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.20
Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2402MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4804.000	-3.639	46.760	43.120	-30.880	74.000
7206.000	-0.634	51.390	50.756	-23.244	74.000
9608.000	1.702	44.730	46.433	-27.567	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4804.000	-3.639	47.790	44.150	-29.850	74.000
7206.000	-0.634	59.290	58.656	-15.344	74.000
9608.000	1.702	44.290	45.993	-28.007	74.000
Average Detector:					
7206.000	-0.634	50.520	49.886	-4.114	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® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.20
Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4882.000	-3.563	45.920	42.356	-31.644	74.000
7323.000	-0.552	54.600	54.048	-19.952	74.000
9764.000	2.053	44.700	46.754	-27.246	74.000
Average					
Detector:					
7323.000	-0.552	46.280	45.728	-8.272	54.000
Vertical					
Peak Detector:					
4882.000	-3.563	48.240	44.676	-29.324	74.000
7323.000	-0.552	58.110	57.558	-16.442	74.000
9764.000	2.053	44.190	46.244	-27.756	74.000
Average					
Detector:					
7323.000	-0.552	49.240	48.688	-5.312	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® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.20
Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2480MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m

Horizontal

Peak Detector:

4960.000	-3.472	45.920	42.449	-31.551	74.000
7440.000	-0.464	44.640	44.175	-29.825	74.000
9920.000	2.290	43.950	46.240	-27.760	74.000

Average

Detector:

--

Vertical

Peak Detector:

4960.000	-3.472	45.830	42.359	-31.641	74.000
7440.000	-0.464	44.690	44.225	-29.775	74.000
9920.000	2.290	43.430	45.720	-28.280	74.000

Average

Detector:

--

Note:

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

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.20
Test Mode : Mode 2: Transmit - 2Mbps ($\pi/4$ DQPSK) (2402MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level	dB	dB μ V/m
Horizontal					
Peak Detector:					
4804.000	-3.639	46.050	42.410	-31.590	74.000
7206.000	-0.634	47.900	47.266	-26.734	74.000
9608.000	1.702	43.570	45.273	-28.727	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4804.000	-3.639	47.420	43.780	-30.220	74.000
7206.000	-0.634	54.290	53.656	-20.344	74.000
9608.000	1.702	43.720	45.423	-28.577	74.000
Average					
Detector:					
--					

Note:

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

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.20
Test Mode : Mode 2: Transmit - 2Mbps ($\pi/4$ DQPSK) (2441MHz)

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	-3.563	46.090	42.526	-31.474	74.000
7323.000	-0.552	48.050	47.498	-26.502	74.000
9764.000	2.053	44.500	46.554	-27.446	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4882.000	-3.563	48.550	44.986	-29.014	74.000
7323.000	-0.552	53.020	52.468	-21.532	74.000
9764.000	2.053	43.910	45.964	-28.036	74.000
Average Detector:					
--					

Note:

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

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.20
Test Mode : Mode 2: Transmit - 2Mbps ($\pi/4$ DQPSK) (2480MHz)

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	-3.472	45.500	42.029	-31.971	74.000
7440.000	-0.464	45.570	45.105	-28.895	74.000
9920.000	2.290	43.600	45.890	-28.110	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4960.000	-3.472	48.260	44.789	-29.211	74.000
7440.000	-0.464	49.400	48.935	-25.065	74.000
9920.000	2.290	43.430	45.720	-28.280	74.000
Average Detector:					
--					

Note:

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

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.20
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)(2402MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4804.000	-3.639	46.140	42.500	-31.500	74.000
7206.000	-0.634	46.670	46.036	-27.964	74.000
9608.000	1.702	43.210	44.913	-29.087	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4804.000	-3.639	46.550	42.910	-31.090	74.000
7206.000	-0.634	52.210	51.576	-22.424	74.000
9608.000	1.702	43.710	45.413	-28.587	74.000
Average Detector:					
--					

Note:

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

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.20
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4882.000	-3.563	45.620	42.056	-31.944	74.000
7323.000	-0.552	46.760	46.208	-27.792	74.000
9764.000	2.053	43.970	46.024	-27.976	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4882.000	-3.563	48.480	44.916	-29.084	74.000
7323.000	-0.552	50.990	50.438	-23.562	74.000
9764.000	2.053	44.140	46.194	-27.806	74.000
Average Detector:					
--					

Note:

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

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.20
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4960.000	-3.472	46.270	42.799	-31.201	74.000
7440.000	-0.464	45.120	44.655	-29.345	74.000
9920.000	2.290	43.470	45.760	-28.240	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4960.000	-3.472	47.920	44.449	-29.551	74.000
7440.000	-0.464	47.810	47.345	-26.655	74.000
9920.000	2.290	43.820	46.110	-27.890	74.000
Average					
Detector:					
--					

Note:

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

Product : Intel® Dual Band Wireless-AC 8265
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.22
Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2441MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
164.957	-10.850	39.162	28.311	-15.189	43.500
274.609	-10.961	32.112	21.151	-24.849	46.000
465.797	-6.377	27.173	20.795	-25.205	46.000
651.362	-3.213	22.092	18.879	-27.121	46.000
800.377	-1.066	25.072	24.006	-21.994	46.000
928.304	0.735	26.851	27.585	-18.415	46.000
Vertical					
150.899	-10.916	42.962	32.046	-11.454	43.500
311.159	-9.916	27.725	17.809	-28.191	46.000
450.333	-6.619	30.746	24.126	-21.874	46.000
627.464	-3.421	20.993	17.572	-28.428	46.000
808.812	-0.931	23.692	22.761	-23.239	46.000
969.072	1.216	27.176	28.392	-25.608	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.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Intel® Dual Band Wireless-AC 8265
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.22
Test Mode : Mode 2: Transmit - 2Mbps ($\pi/4$ DQPSK) (2441MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
149.493	-10.959	40.906	29.947	-13.553	43.500
240.870	-12.036	29.990	17.955	-28.045	46.000
388.478	-8.065	27.982	19.917	-26.083	46.000
538.899	-5.148	23.011	17.862	-28.138	46.000
700.565	-2.431	26.458	24.028	-21.972	46.000
904.406	0.476	25.935	26.411	-19.589	46.000
Vertical					
139.652	-11.336	40.986	29.651	-13.849	43.500
276.014	-10.902	31.733	20.831	-25.169	46.000
395.507	-7.899	31.850	23.951	-22.049	46.000
550.145	-4.943	26.544	21.602	-24.398	46.000
769.449	-1.300	27.416	26.116	-19.884	46.000
981.725	1.386	26.618	28.003	-25.997	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.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Intel® Dual Band Wireless-AC 8265
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test date : 2016.09.22
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
157.928	-10.733	40.986	30.253	-13.247	43.500
277.420	-10.841	37.444	26.602	-19.398	46.000
425.029	-7.211	26.449	19.239	-26.761	46.000
619.029	-3.490	29.351	25.861	-20.139	46.000
776.478	-1.247	21.845	20.597	-25.403	46.000
984.536	1.422	25.806	27.228	-26.772	54.000
Vertical					
143.870	-11.162	39.465	28.304	-15.196	43.500
278.826	-10.781	38.455	27.674	-18.326	46.000
363.174	-8.670	29.137	20.467	-25.533	46.000
512.188	-5.634	30.328	24.694	-21.306	46.000
721.652	-2.008	24.527	22.518	-23.482	46.000
943.768	0.900	25.229	26.130	-19.870	46.000

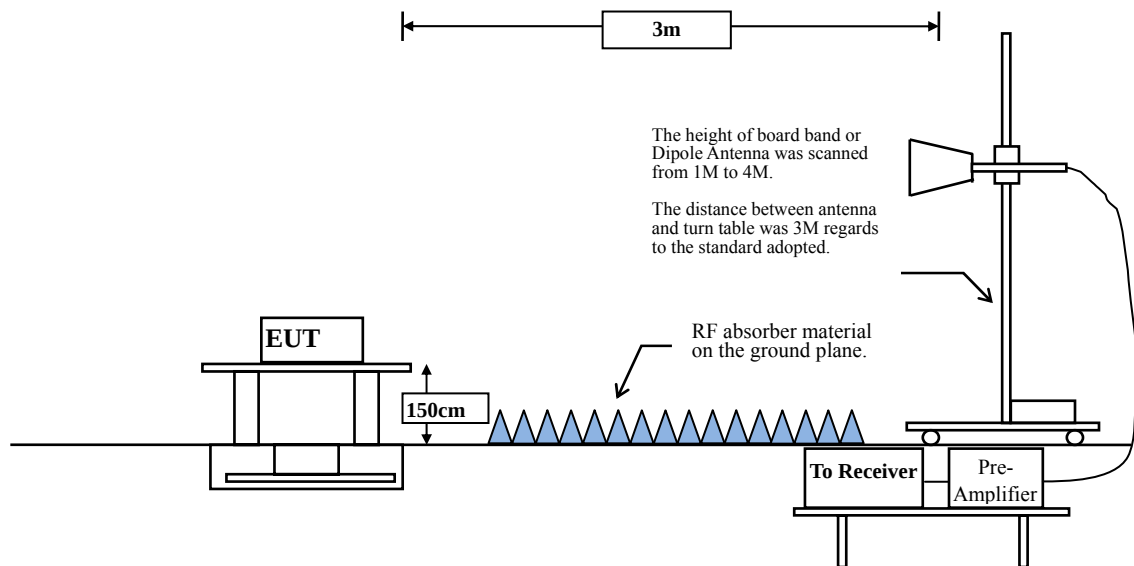
Note:

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.

5. Band Edge

5.1. Test Setup

RF Radiated Measurement:



5.2. 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)).

5.3. 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.

5.4. Uncertainty

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

5.5. Test Result of Band Edge

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2402MHz)

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)	2386.377	11.883	37.598	49.481	74.000	54.000	Pass
00 (Peak)	2390.000	11.897	36.088	47.985	74.000	54.000	Pass
00 (Peak)	2400.000	11.935	50.617	62.552	--	--	--
00 (Peak)	2402.029	11.943	85.066	97.008	--	--	--
00 (Average)	2390.000	11.897	23.612	35.509	74.000	54.000	Pass
00 (Average)	2400.000	11.935	37.203	49.138	--	--	--
00 (Average)	2402.029	11.943	71.957	83.899	--	--	--

Figure Channel 00:

Horizontal (Peak)

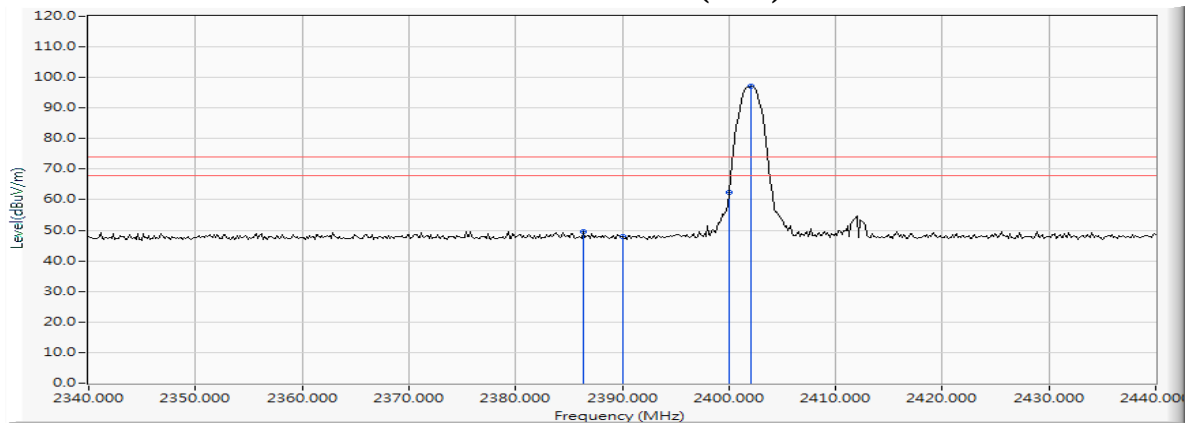
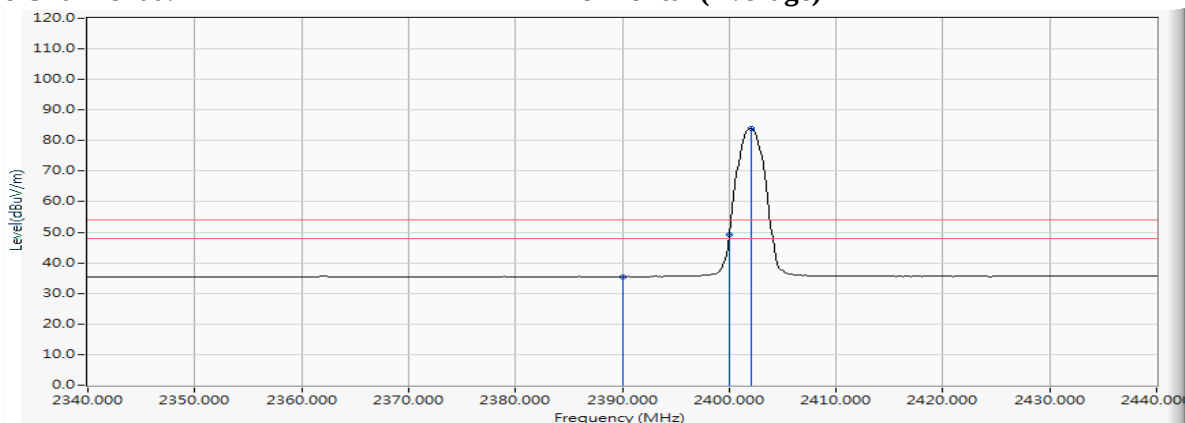


Figure Channel 00:

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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2402MHz)

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)	2389.565	11.896	38.461	50.357	74.000	54.000	Pass
00 (Peak)	2390.000	11.897	37.467	49.364	74.000	54.000	Pass
00 (Peak)	2400.000	11.935	59.217	71.152	--	--	--
00 (Peak)	2402.029	11.943	93.797	105.739	--	--	--
00 (Average)	2362.029	11.768	24.765	36.533	74.000	54.000	Pass
00 (Average)	2390.000	11.897	24.022	35.919	74.000	54.000	Pass
00 (Average)	2400.000	11.935	43.901	55.836	--	--	--
00 (Average)	2402.029	11.943	78.943	90.885	--	--	--

Figure Channel 00:

Vertical (Peak)

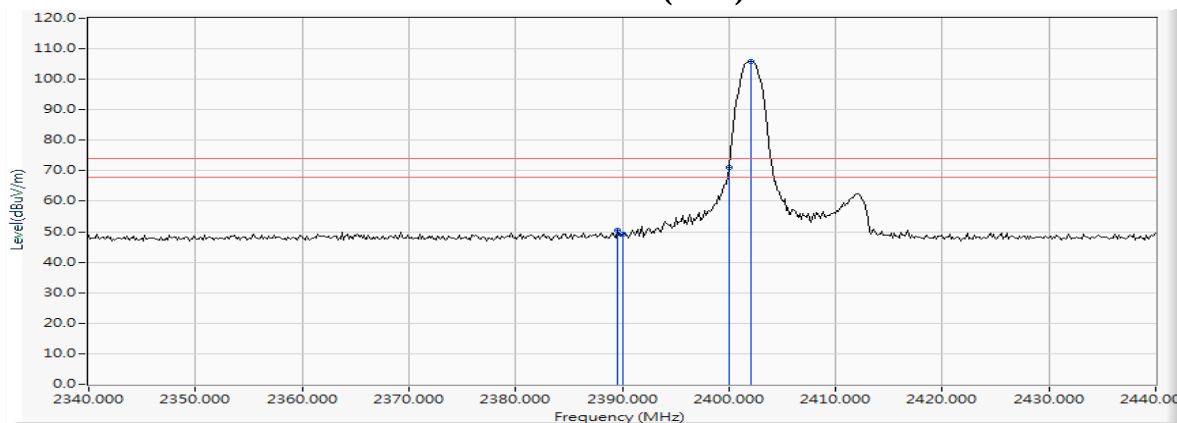
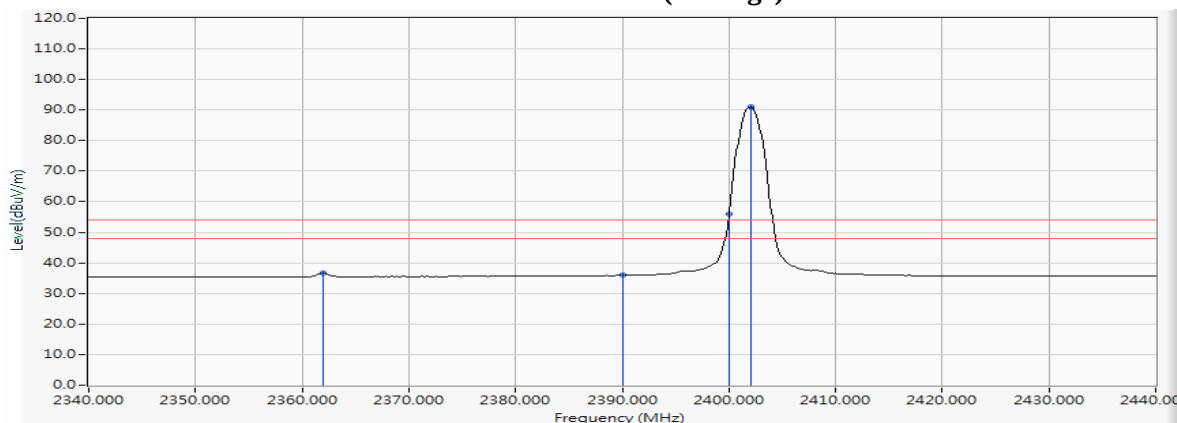


Figure Channel 00:

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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2480MHz)

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)	2473.790	12.236	86.758	98.993	--	--	--
78 (Peak)	2483.500	12.272	38.746	51.018	74.000	54.000	Pass
78 (Peak)	2485.384	12.279	41.542	53.821	74.000	54.000	Pass
78 (Average)	2480.022	12.258	73.217	85.475	--	--	--
78 (Average)	2483.500	12.272	24.717	36.989	74.000	54.000	Pass

Figure Channel 78:

Horizontal (Peak)

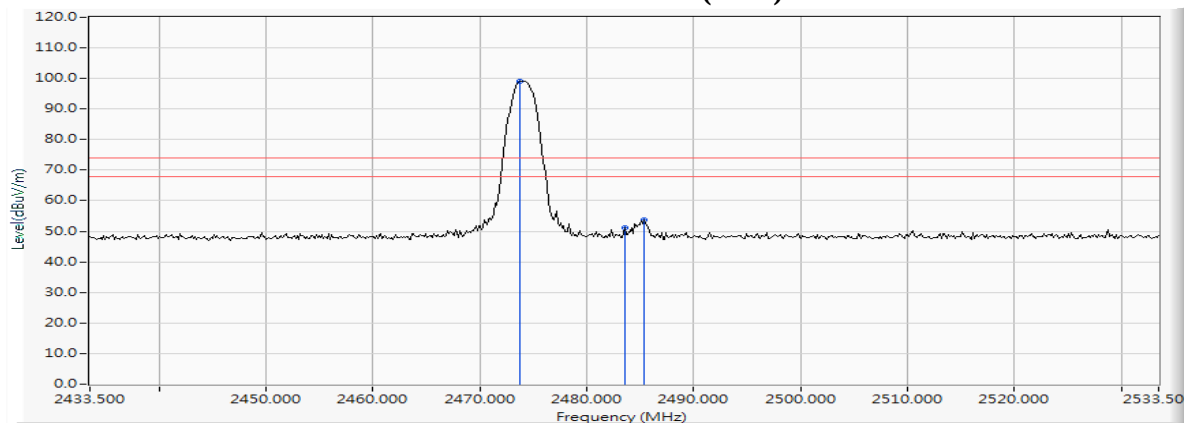
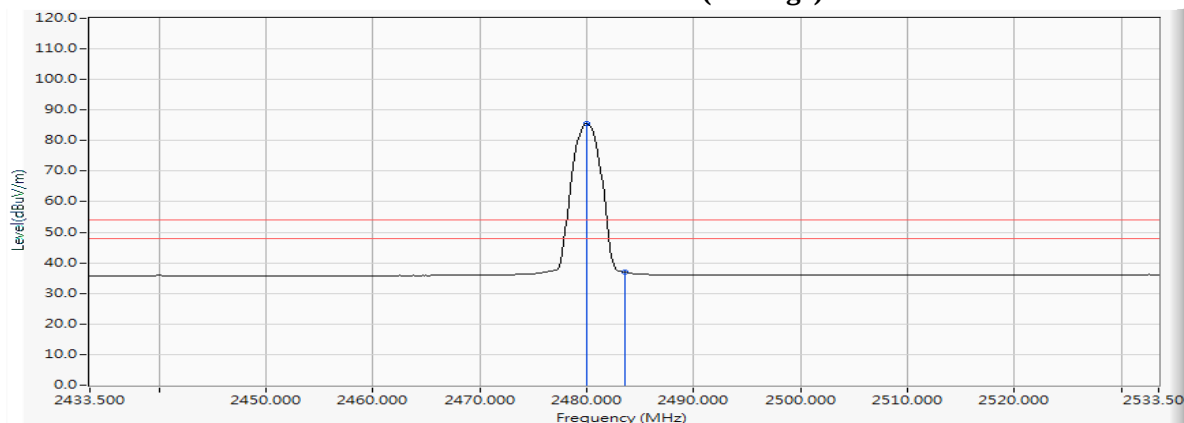


Figure Channel 78:

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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2480MHz)

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)	2474.080	12.236	95.079	107.315	--	--	--
78 (Peak)	2483.500	12.272	44.643	56.915	74.000	54.000	Pass
78 (Peak)	2485.094	12.278	49.554	61.832	74.000	54.000	Pass
78 (Average)	2480.022	12.258	79.954	92.212	--	--	--
78 (Average)	2483.500	12.272	28.377	40.649	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

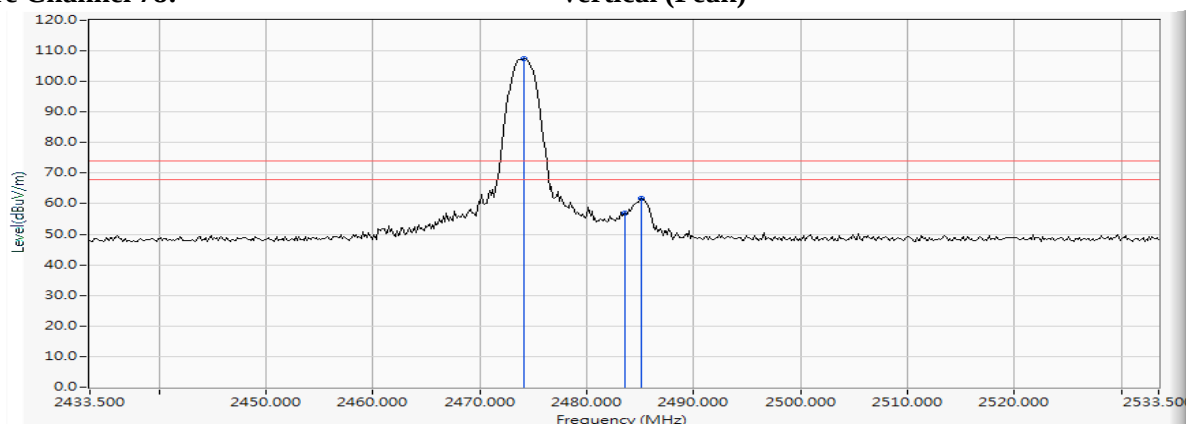
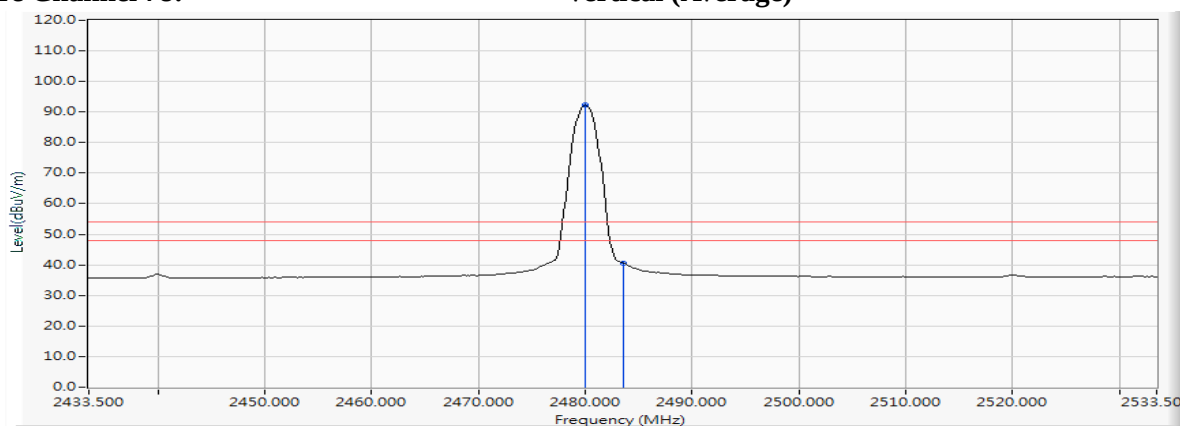


Figure Channel 78: Vertical (Average)



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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 2: Transmit - 2Mbps ($\pi/4$ DQPSK) (2402MHz)

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)	2383.478	11.872	37.284	49.155	74.000	54.000	Pass
00 (Peak)	2390.000	11.897	36.458	48.355	74.000	54.000	Pass
00 (Peak)	2400.000	11.935	59.725	71.660	--	--	--
00 (Peak)	2401.884	11.942	83.323	95.265	--	--	--
00 (Average)	2390.000	11.897	23.790	35.687	74.000	54.000	Pass
00 (Average)	2400.000	11.935	43.317	55.252	--	--	--
00 (Average)	2402.029	11.943	69.012	80.954	--	--	--

Figure Channel 00:

Horizontal (Peak)

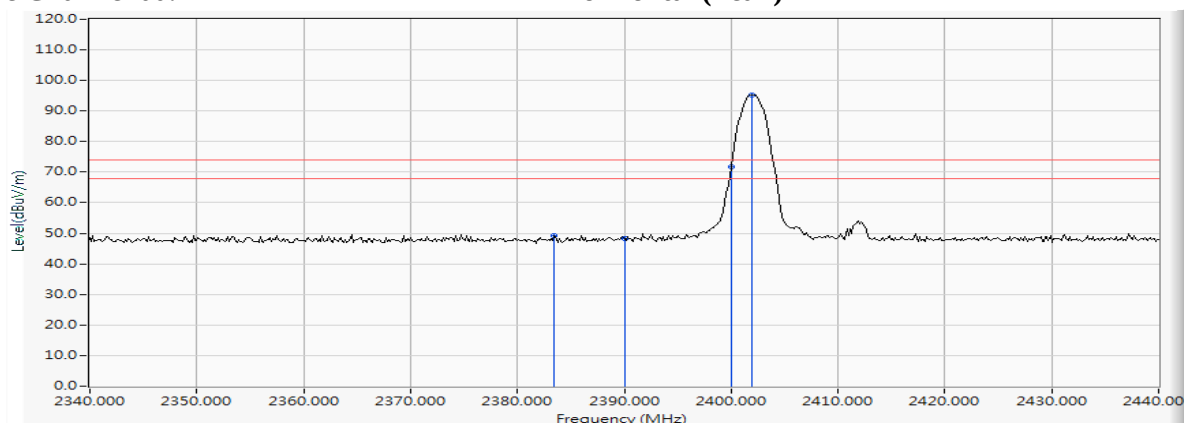
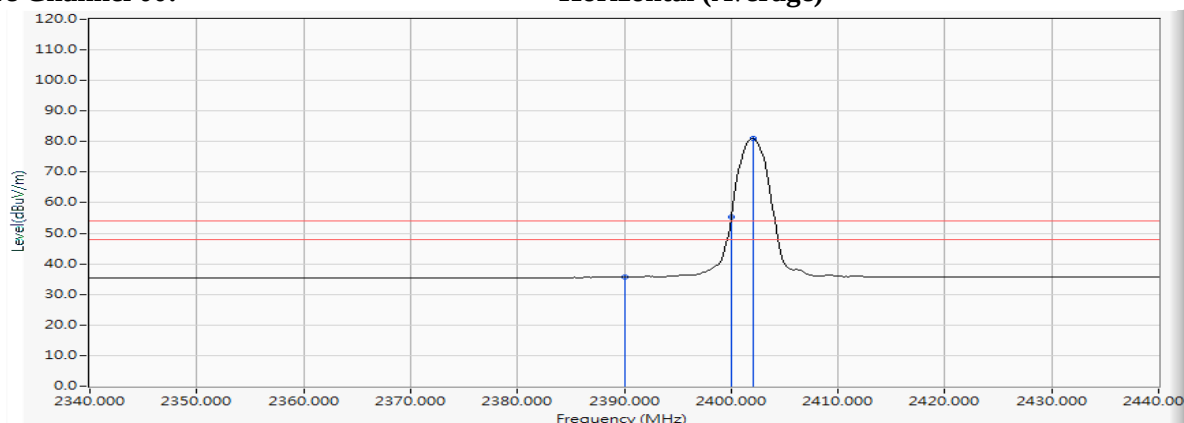


Figure Channel 00:

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® Dual Band Wireless-AC 8265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2016.09.12
 Test Mode : Mode 2: Transmit - 2Mbps ($\pi/4$ DQPSK) (2402MHz)

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)	2387.246	11.887	40.418	52.305	74.000	54.000	Pass
00 (Peak)	2390.000	11.897	39.029	50.926	74.000	54.000	Pass
00 (Peak)	2400.000	11.935	70.002	81.937	--	--	--
00 (Peak)	2402.174	11.943	93.357	105.300	--	--	--
00 (Average)	2390.000	11.897	26.289	38.186	74.000	54.000	Pass
00 (Average)	2400.000	11.935	51.450	63.385	--	--	--
00 (Average)	2402.029	11.943	77.122	89.064	--	--	--

Figure Channel 00: Vertical (Peak)

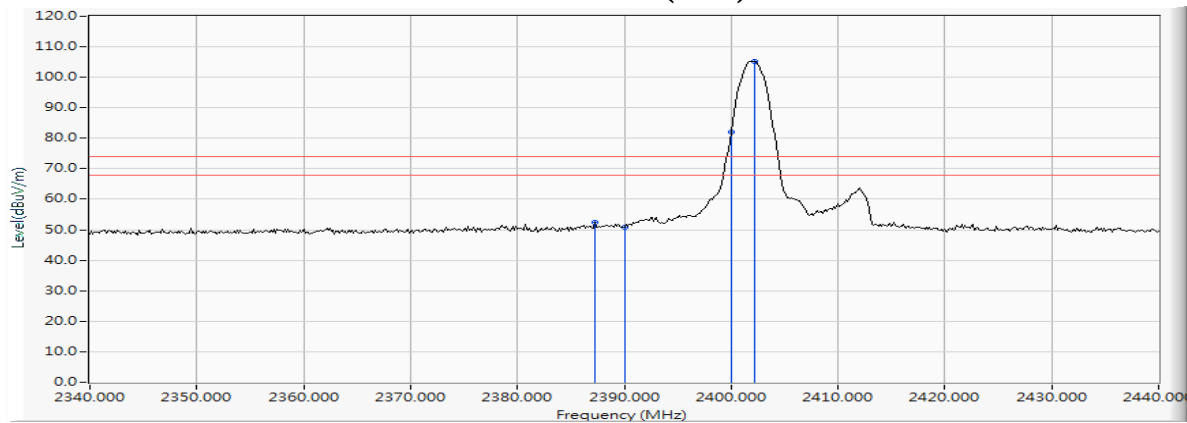
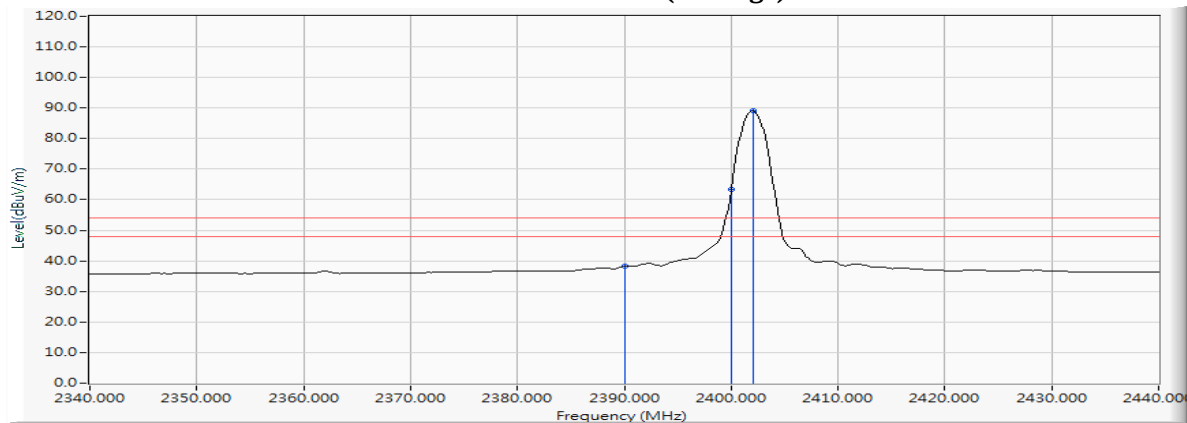


Figure Channel 00: Vertical (Average)



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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 2: Transmit - 2Mbps ($\pi/4$ DQPSK) (2480MHz)

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	12.258	84.415	96.674	--	--	--
78 (Peak)	2483.500	12.272	37.500	49.772	74.000	54.000	Pass
78 (Peak)	2489.732	12.296	41.455	53.751	74.000	54.000	Pass
78 (Average)	2480.022	12.258	69.855	82.113	--	--	--
78 (Average)	2483.500	12.272	25.564	37.836	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

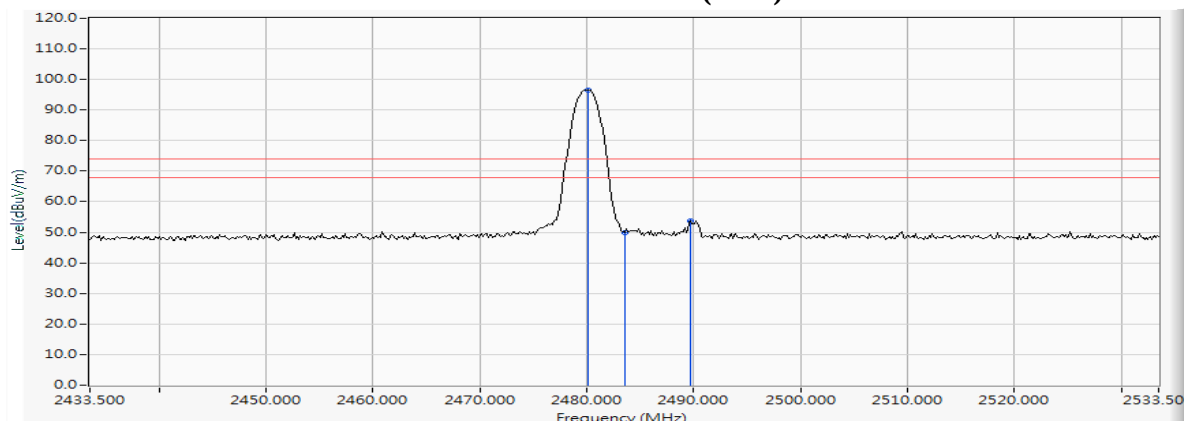
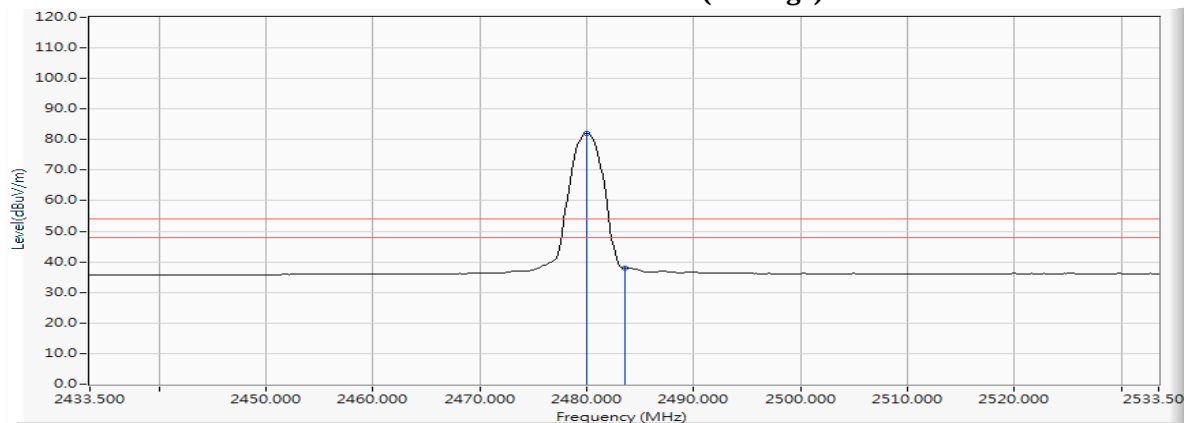


Figure Channel 78: Horizontal (Average)



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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 2: Transmit - 2Mbps ($\pi/4$ DQPSK) (2480MHz)

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)	2480.167	12.258	93.335	105.594	--	--	--
78 (Peak)	2483.500	12.272	44.721	56.993	74.000	54.000	Pass
78 (Peak)	2490.167	12.298	48.997	61.295	74.000	54.000	Pass
78 (Average)	2479.877	12.257	76.987	89.245	--	--	--
78 (Average)	2483.500	12.272	30.442	42.714	74.000	54.000	Pass
78 (Average)	2484.225	12.275	30.486	42.761	74.000	54.000	Pass

Figure Channel 78:

Vertical (Peak)

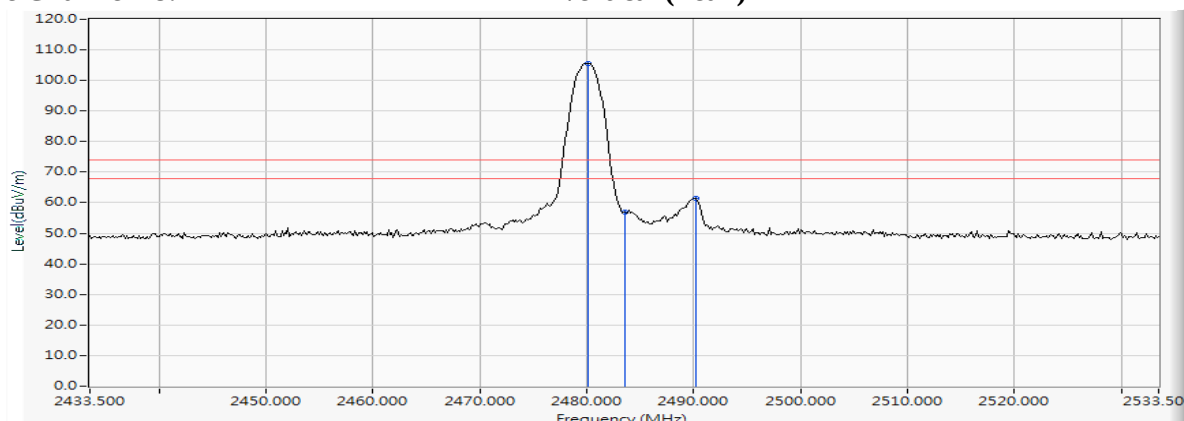
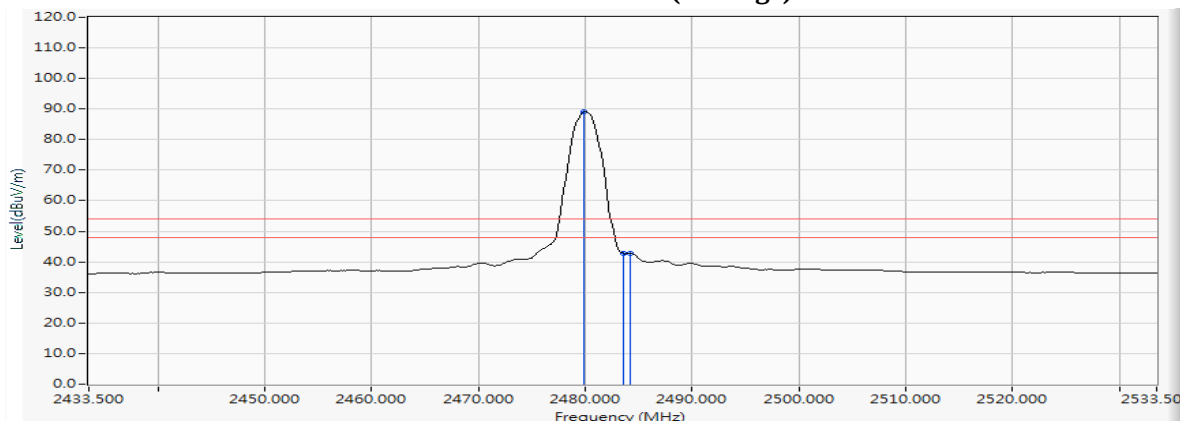


Figure Channel 78:

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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2402MHz)

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)	2387.536	11.888	37.852	49.740	74.000	54.000	Pass
00 (Peak)	2390.000	11.897	35.641	47.538	74.000	54.000	Pass
00 (Peak)	2400.000	11.935	57.833	69.768	--	--	--
00 (Peak)	2402.029	11.943	82.735	94.677	--	--	--
00 (Average)	2390.000	11.897	23.796	35.693	74.000	54.000	Pass
00 (Average)	2400.000	11.935	42.539	54.474	--	--	--
00 (Average)	2402.029	11.943	68.306	80.248	--	--	--

Figure Channel 00:

Horizontal (Peak)

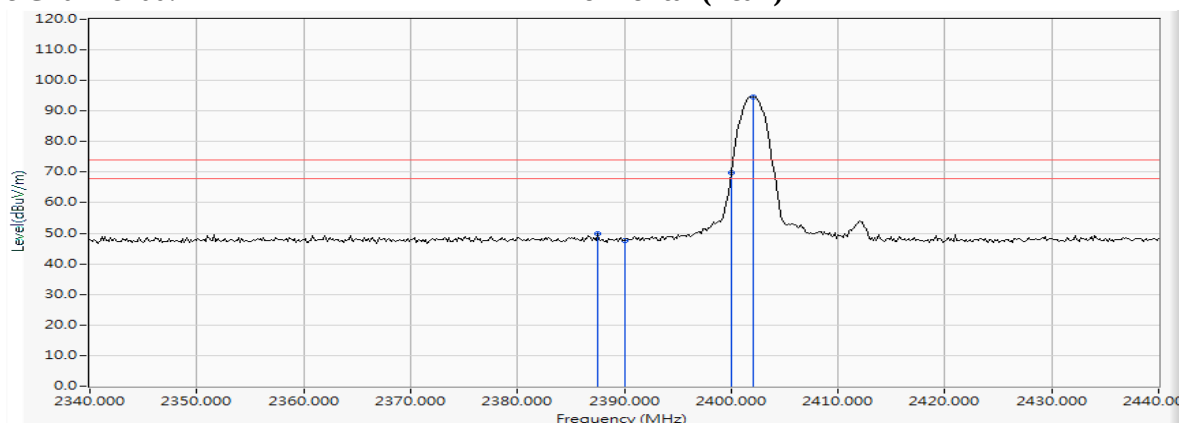
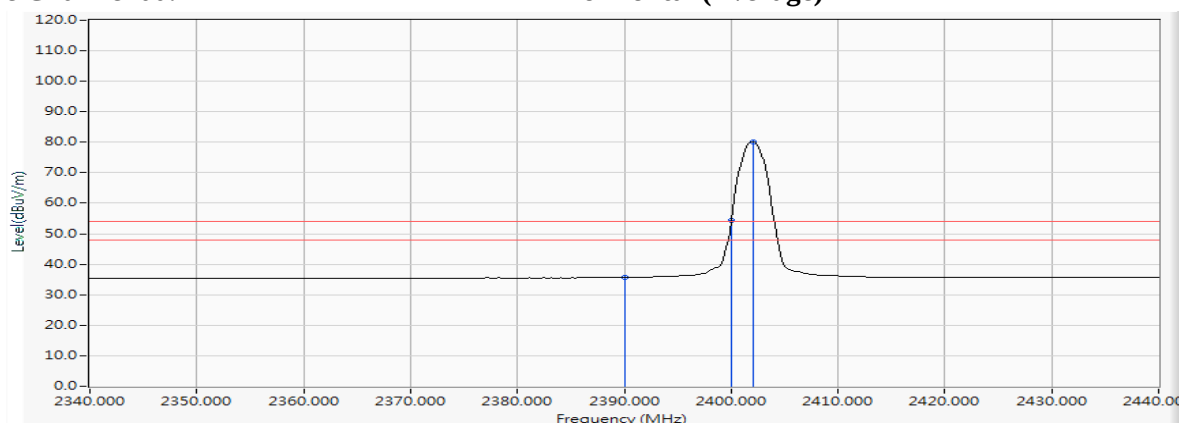


Figure Channel 00:

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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2402MHz)

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)	2387.681	11.889	42.946	54.834	74.000	54.000	Pass
00 (Peak)	2390.000	11.897	40.013	51.910	74.000	54.000	Pass
00 (Peak)	2400.000	11.935	68.057	79.992	--	--	--
00 (Peak)	2402.029	11.943	92.684	104.626	--	--	--
00 (Average)	2390.000	11.897	26.091	37.988	74.000	54.000	Pass
00 (Average)	2400.000	11.935	50.158	62.093	--	--	--
00 (Average)	2402.029	11.943	76.292	88.234	--	--	--

Figure Channel 00:

Vertical (Peak)

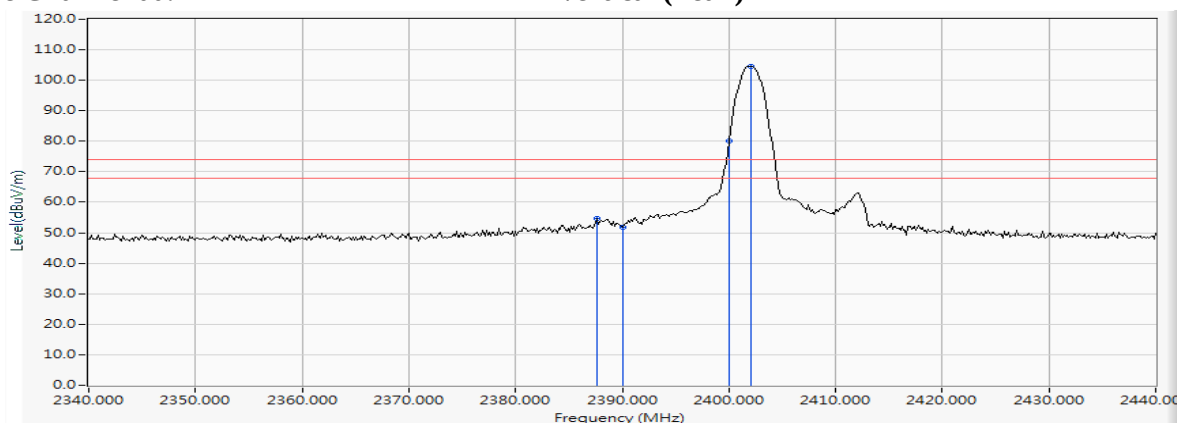
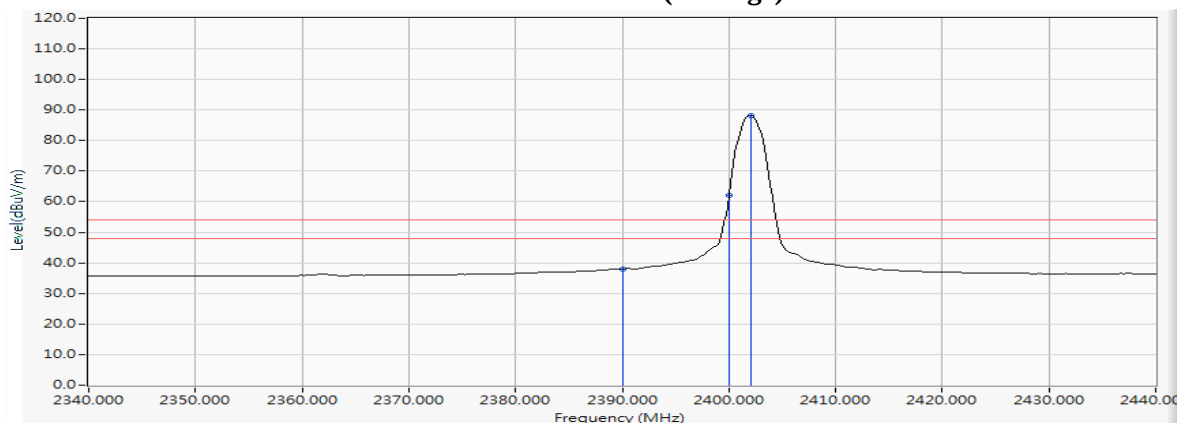


Figure Channel 00:

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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz)

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	12.258	83.587	95.845	--	--	--
78 (Peak)	2483.500	12.272	39.730	52.002	74.000	54.000	Pass
78 (Peak)	2490.167	12.298	41.927	54.225	74.000	54.000	Pass
78 (Average)	2480.022	12.258	68.874	81.132	--	--	--
78 (Average)	2483.500	12.272	25.591	37.863	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

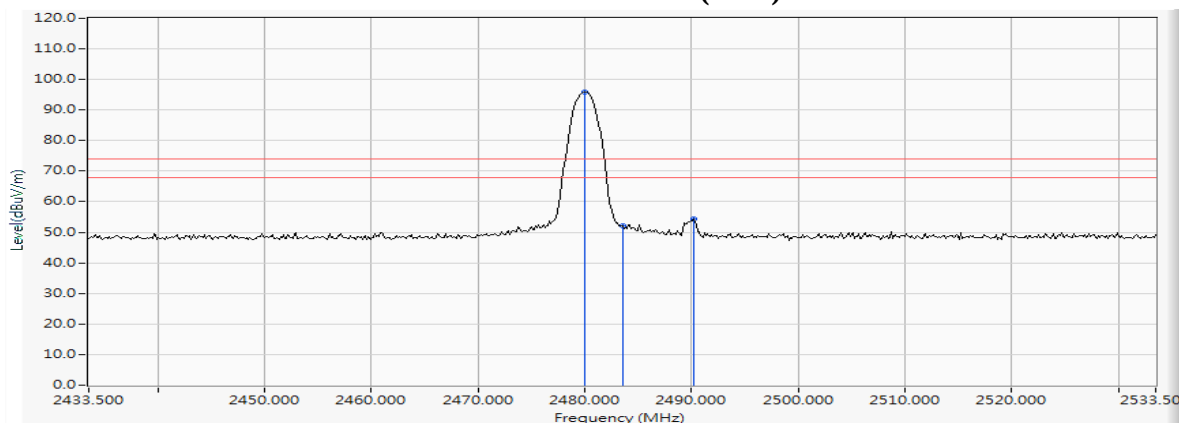
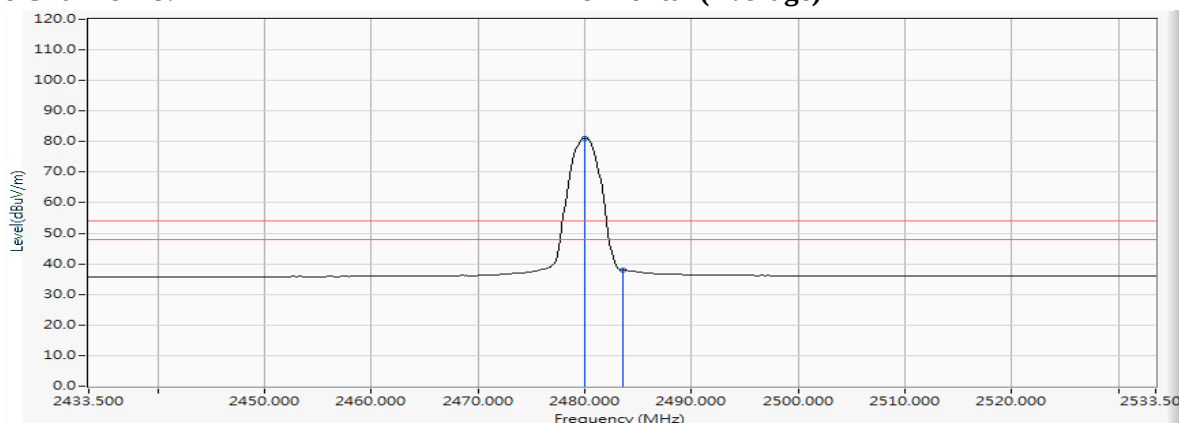


Figure Channel 78: Horizontal (Average)



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® Dual Band Wireless-AC 8265
Test Item : Band Edge
Test Site : No.3 OATS
Test date : 2016.09.12
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz)

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	12.258	92.626	104.884	--	--	--
78 (Peak)	2483.500	12.272	46.253	58.525	74.000	54.000	Pass
78 (Peak)	2489.877	12.297	49.479	61.776	74.000	54.000	Pass
78 (Average)	2480.022	12.258	76.140	88.398	--	--	--
78 (Average)	2483.500	12.272	30.379	42.651	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

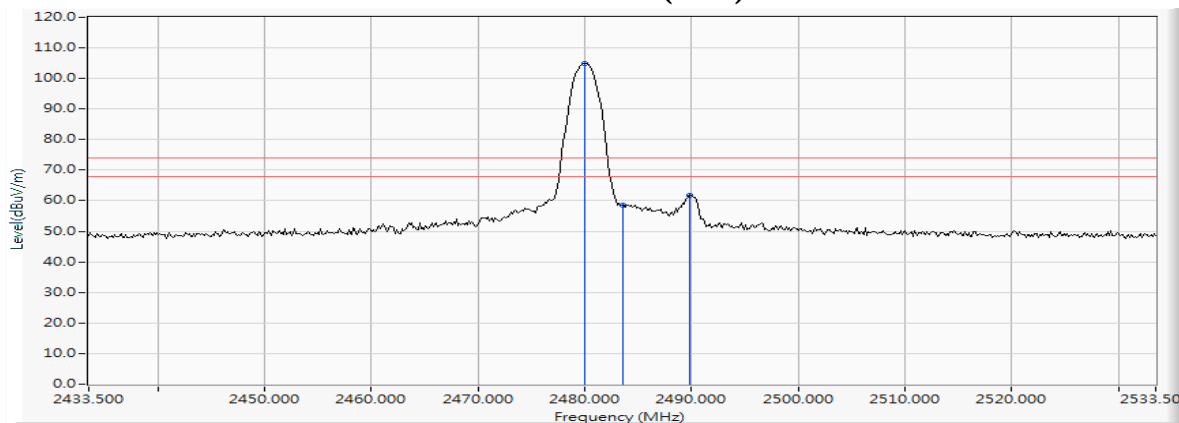
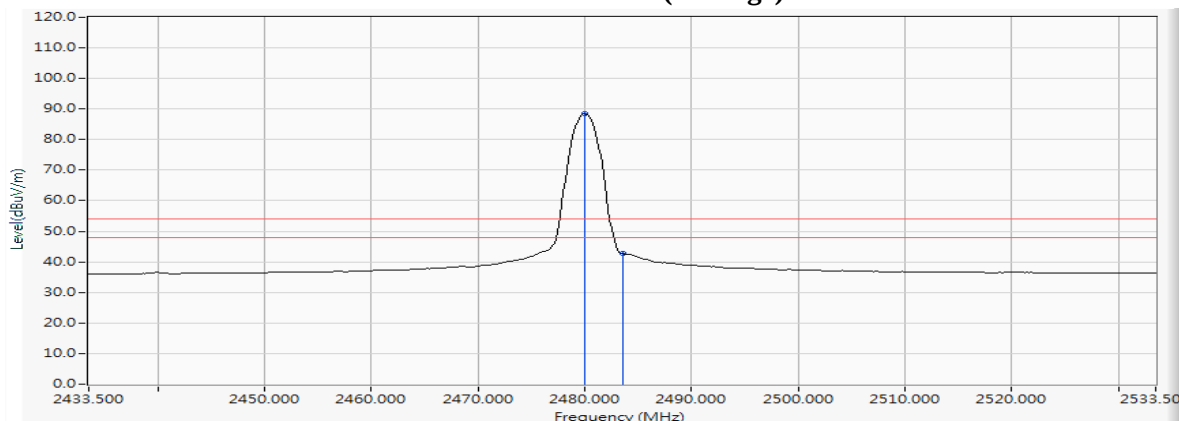


Figure Channel 78: Vertical (Average)



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.

6. EMI Reduction Method During Compliance Testing

No modification was made during testing.

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs