FCC Test Report

(Class II Permissive Change)

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

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

Date of Receipt	May. 22, 2017
Issued Date	June. 20, 2017
Report No.	1750533R-RFUSP23V00
Report Version	V1.0

Testing Laboratory
3023

Test Report

Issued Date: June. 20, 2017
Report No.: 1750533R-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
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: 2016 ANSI C63.4: 2014, ANSI C63.10: 2013
Test Result	Complied

Documented By : Leven Huang

(Senior Adm. Specialist / Leven Huang)

Tested By : Ken chen

(Engineer / Ken Chen)

Approved By :

(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
Frequency Range	2402 – 2480MHz
Channel Number	79
Type of Modulation	FHSS: GFSK(1Mbps) / π /4DQPSK(2Mbps) / 8DPSK(3Mbps)
Antenna Type	Slot Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

Antenna List:

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Compal Electronics, INC.	DC33001TU00 (Main) DC33001TU10 (Aux)	Slot Antenna	3.18dBi 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 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, 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.
   (Antenna type: Slot antenna)

Test Mode	Mode 1: Transmit - 1Mbps (GFSK) Mode 2: Transmit - 2Mbps (4DQPSK) Mode 3: Transmit - 3Mbps (8DPSK)

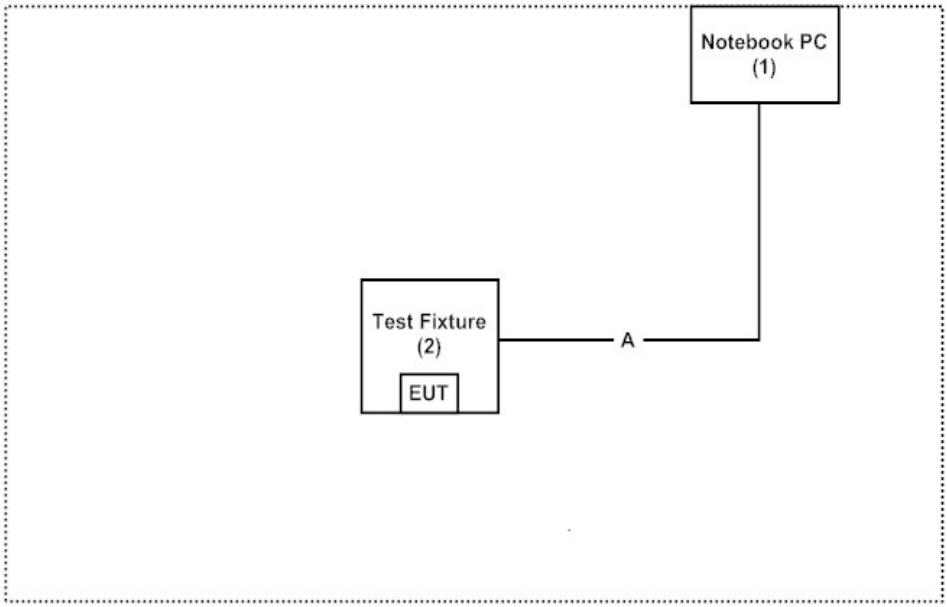
1.3. Tested System Details

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	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

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: TW1014

1.7. List of Test Item and Equipment

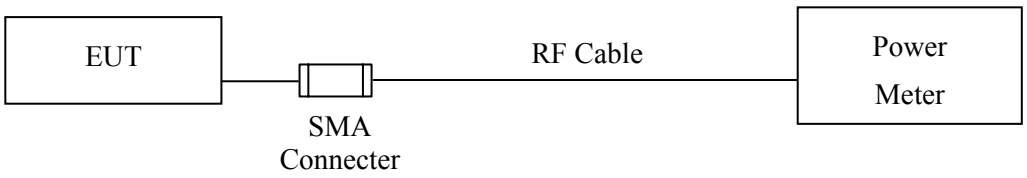
	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Power Meter	Keysight	8990B	MY51000410	2016/8/16	2018/8/15
X	Spectrum Analyzer	R&S	FSP40	100170	2017/1/5	2018/1/3
	Loop Antenna	TESEQ	HLA6121	37133	2017/3/18	2018/3/17
X	Bi-Log Antenna	Schaffner Chase	CBL6112B	2707	2017/6/11	2018/6/10
X	Horn Antenna	ETS-Lindgren	3117	00203761	2016/10/15	2017/10/13
	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	2017/1/26	2018/1/24
	Pre-Amplifier	NARDA WE	DBL-1840N506	013	2016/8/6	2017/8/4
X	Filter	MicroTRON	BRM50701	019	2016/10/20	2017/10/18
	Filter	Microwave Circuits	N0257881	36681	2016/12/7	2017/12/5
X	Coaxial Cable	QTK(Arnist)	SUCOFLEX 106	L1606-015C	2016/6/23	2017/6/22
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	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

± 1.27 dB

2.5. 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 : 2017/06/12
Test Mode : Mode 1: Transmit - 1Mbps (GFSK)

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	11.53	1 Watt= 30 dBm	Pass
Channel 39	2441.00	11.78	1 Watt= 30 dBm	Pass
Channel 78	2480.00	11.87	1 Watt= 30 dBm	Pass

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Peak Power Output
Test Site : No.3 OATS
Test date : 2017/06/12
Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK)

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	11.18	1 Watt= 30 dBm	Pass
Channel 39	2441.00	11.68	1 Watt= 30 dBm	Pass
Channel 78	2480.00	11.63	1 Watt= 30 dBm	Pass

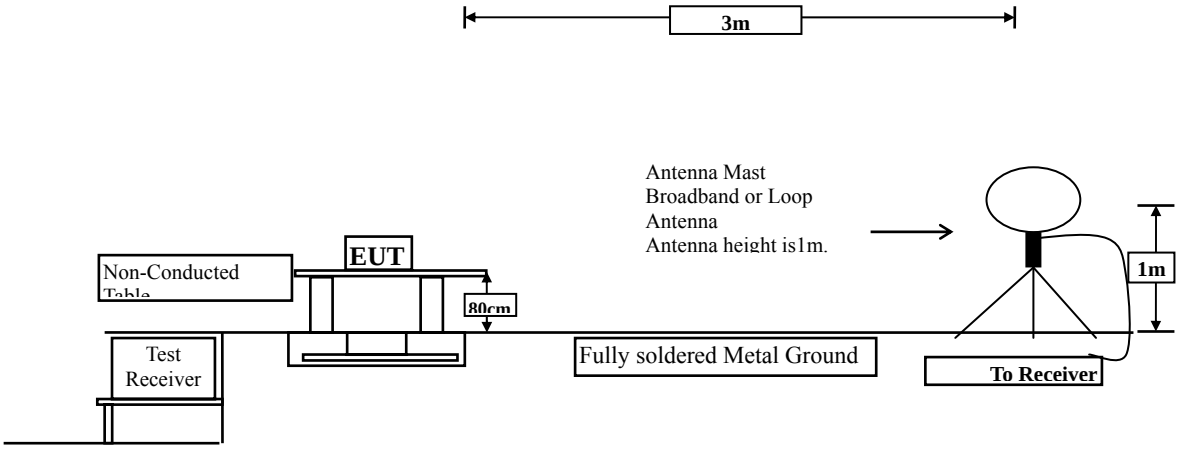
Product : Intel® Dual Band Wireless-AC 8265
Test Item : Peak Power Output
Test Site : No.3 OATS
Test date : 2017/06/12
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	11.12	1 Watt= 30 dBm	Pass
Channel 39	2441.00	11.38	1 Watt= 30 dBm	Pass
Channel 78	2480.00	11.27	1 Watt= 30 dBm	Pass

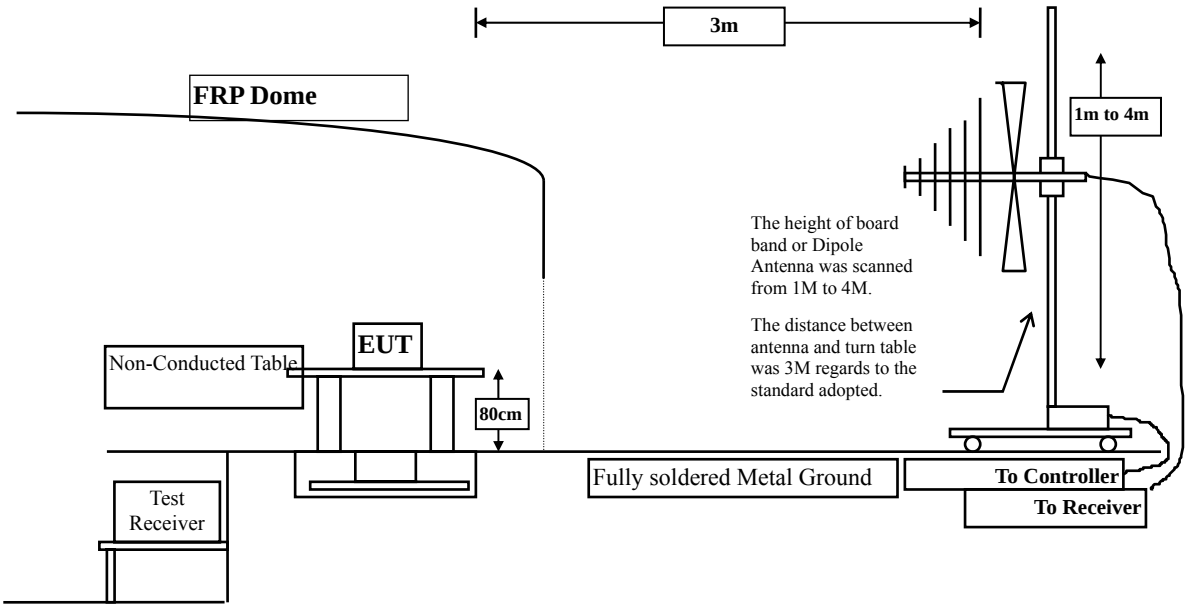
3. Radiated Emission

3.1. Test Setup

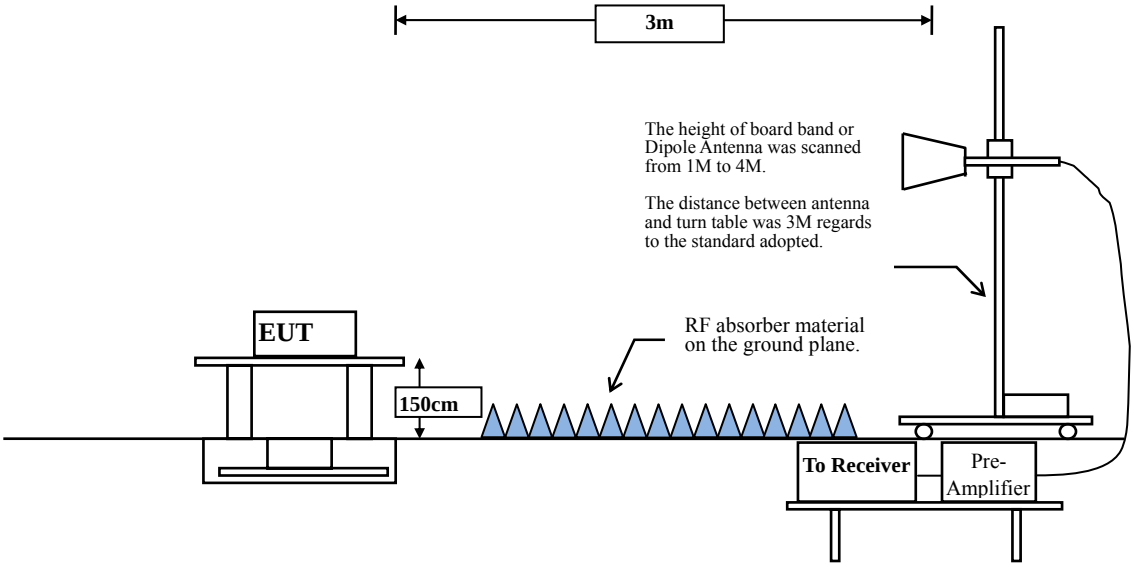
Under 30MHz



Below 1GHz



Above 1GHz



3.2. Limits

➢ **General Radiated Emission Limits**

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

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBμV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks: 1. RF Voltage (dBμV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested compliance to FCC 47CFR 15.247 requirements.

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

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

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

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

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

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

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

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

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The measurement frequency range form 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® Dual Band Wireless-AC 8265
Test Item : Harmonic Radiated Emission
Test Site : No.3 OATS
Test date : 2017/06/12
Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2402MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector:					
4804.000	-9.896	55.820	45.924	-28.076	74.000
7206.000	-5.013	52.930	47.917	-26.083	74.000
9608.000	-1.472	49.720	48.249	-25.751	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	50.720	44.135	-29.865	74.000
7206.000	-4.144	52.190	48.046	-25.954	74.000
9608.000	-1.075	49.730	48.656	-25.344	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. 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 : 2017/06/12
Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2441MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4882.000	-10.318	51.630	41.312	-32.688	74.000
7323.000	-3.858	50.910	47.052	-26.948	74.000
9764.000	-2.596	48.410	45.814	-28.186	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	52.410	44.804	-29.196	74.000
7323.000	-2.977	50.930	47.954	-26.046	74.000
9764.000	-2.131	50.180	48.049	-25.951	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. 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	:	2017/06/12
Test Mode	:	Mode 1: Transmit - 1Mbps (GFSK)(2480MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4960.000	-10.666	52.710	42.045	-31.955	74.000
7440.000	-3.631	49.640	46.009	-27.991	74.000
9920.000	-2.397	48.230	45.833	-28.167	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	53.180	45.312	-28.688	74.000
7440.000	-2.772	49.120	46.348	-27.652	74.000
9920.000	-1.895	49.620	47.725	-26.275	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. 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 : 2017/06/12
Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector:					
4804.000	-9.896	52.140	42.244	-31.756	74.000
7206.000	-5.013	51.290	46.277	-27.723	74.000
9608.000	-1.472	49.730	48.259	-25.741	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	51.420	44.835	-29.165	74.000
7206.000	-4.144	51.110	46.966	-27.034	74.000
9608.000	-1.075	49.390	48.316	-25.684	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. 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 : 2017/06/12
Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector:					
4882.000	-10.318	52.820	42.502	-31.498	74.000
7323.000	-3.858	51.340	47.482	-26.518	74.000
9764.000	-2.596	48.280	45.684	-28.316	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	52.630	45.024	-28.976	74.000
7323.000	-2.977	51.740	48.764	-25.236	74.000
9764.000	-2.131	48.590	46.459	-27.541	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. 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	:	2017/06/12
Test Mode	:	Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector:					
4960.000	-10.666	51.420	40.755	-33.245	74.000
7440.000	-3.631	50.930	47.299	-26.701	74.000
9920.000	-2.397	48.720	46.323	-27.677	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	52.460	44.592	-29.408	74.000
7440.000	-2.772	50.250	47.478	-26.522	74.000
9920.000	-1.895	51.420	49.525	-24.475	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. 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 : 2017/06/12
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)(2402MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4804.000	-9.896	52.960	43.064	-30.936	74.000
7206.000	-5.013	52.710	47.697	-26.303	74.000
9608.000	-1.472	48.030	46.559	-27.441	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	52.410	45.825	-28.175	74.000
7206.000	-4.144	50.790	46.646	-27.354	74.000
9608.000	-1.075	49.360	48.286	-25.714	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. 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	:	2017/06/12
Test Mode	:	Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector:					
4882.000	-10.318	51.270	40.952	-33.048	74.000
7323.000	-3.858	50.260	46.402	-27.598	74.000
9764.000	-2.596	50.410	47.814	-26.186	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	53.190	45.584	-28.416	74.000
7323.000	-2.977	50.150	47.174	-26.826	74.000
9764.000	-2.131	50.290	48.159	-25.841	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. 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 : 2017/06/12
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2480MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4960.000	-10.666	51.430	40.765	-33.235	74.000
7440.000	-3.631	51.170	47.539	-26.461	74.000
9920.000	-2.397	50.160	47.763	-26.237	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	53.460	45.592	-28.408	74.000
7440.000	-2.772	52.710	49.938	-24.062	74.000
9920.000	-1.895	50.260	48.365	-25.635	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. 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 : 2017/06/06
Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (2441MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
173.391	-19.331	46.256	26.925	-16.575	43.500
273.203	-14.924	35.871	20.947	-25.053	46.000
446.116	-12.611	32.591	19.980	-26.020	46.000
647.145	-8.119	25.568	17.449	-28.551	46.000
839.739	-4.963	31.429	26.466	-19.534	46.000
960.638	-3.589	31.775	28.186	-25.814	54.000
Vertical					
157.928	-15.541	46.463	30.922	-12.578	43.500
321.000	-16.389	35.343	18.954	-27.046	46.000
467.203	-14.454	39.275	24.821	-21.179	46.000
647.145	-14.883	33.068	18.185	-27.815	46.000
850.986	-9.687	33.365	23.678	-22.322	46.000
974.696	-7.464	34.726	27.262	-26.738	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 : General Radiated Emission
Test Site : No.3 OATS
Test date : 2017/06/06
Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
148.087	-19.605	47.880	28.275	-15.225	43.500
277.420	-15.164	36.748	21.583	-24.417	46.000
446.116	-12.611	33.980	21.369	-24.631	46.000
655.580	-7.812	28.070	20.258	-25.742	46.000
838.333	-4.988	30.581	25.593	-20.407	46.000
959.232	-3.687	31.006	27.320	-18.680	46.000
Vertical					
136.841	-14.549	45.307	30.759	-12.741	43.500
319.594	-16.385	34.861	18.476	-27.524	46.000
461.580	-13.037	39.404	26.367	-19.633	46.000
630.275	-13.837	31.495	17.658	-28.342	46.000
834.116	-7.999	31.600	23.601	-22.399	46.000
945.174	-3.397	31.537	28.140	-17.860	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® Dual Band Wireless-AC 8265
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test date : 2017/06/06
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
153.710	-19.442	49.370	29.929	-13.571	43.500
277.420	-15.164	37.698	22.533	-23.467	46.000
450.333	-11.568	32.837	21.269	-24.731	46.000
640.116	-8.623	29.586	20.963	-25.037	46.000
842.551	-4.751	30.450	25.699	-20.301	46.000
974.696	-3.311	29.278	25.967	-28.033	54.000
Vertical					
127.000	-13.457	47.243	33.786	-9.714	43.500
315.377	-16.367	34.834	18.467	-27.533	46.000
450.333	-16.938	44.837	27.899	-18.101	46.000
652.768	-14.542	33.400	18.858	-27.142	46.000
831.304	-7.574	36.003	28.429	-17.571	46.000
915.652	-9.060	35.721	26.661	-19.339	46.000

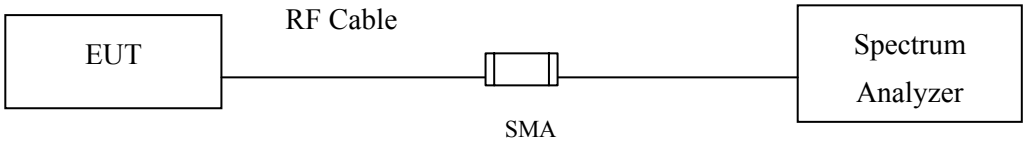
Note:

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

4. Band Edge

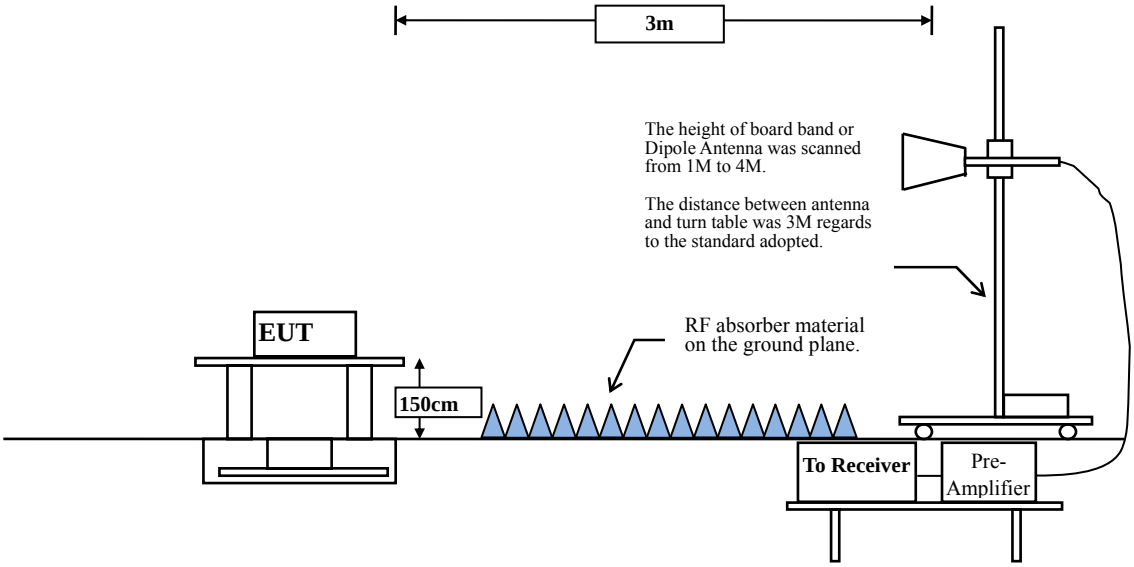
4.1. Test Setup

RF Conducted Measurement



RF Radiated Measurement:

Above 1GHz



4.2. Limit

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

4.3. Test Procedure

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.
The bandwidth setting below 1GHz and above 1GHz on the field strength meter is 120 kHz and 1MHz, respectively.

4.4. Uncertainty

± 4.08 dB above 1GHz
± 4.22 dB below 1GHz

4.5. Test Result of Band Edge

Product	:	Intel® Dual Band Wireless-AC 8265
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test date	:	2017/06/16
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)	2370.600	6.389	45.922	52.310	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	44.549	51.024	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	52.641	59.169	--	--	--
00 (Peak)	2402.200	6.541	85.270	91.811	--	--	--
00 (Average)	2390.000	6.474	33.398	39.873	74.000	54.000	Pass
00 (Average)	2400.000	6.528	38.435	44.963	--	--	--
00 (Average)	2402.000	6.540	74.456	80.996	--	--	--

Figure Channel 00: Horizontal (Peak)

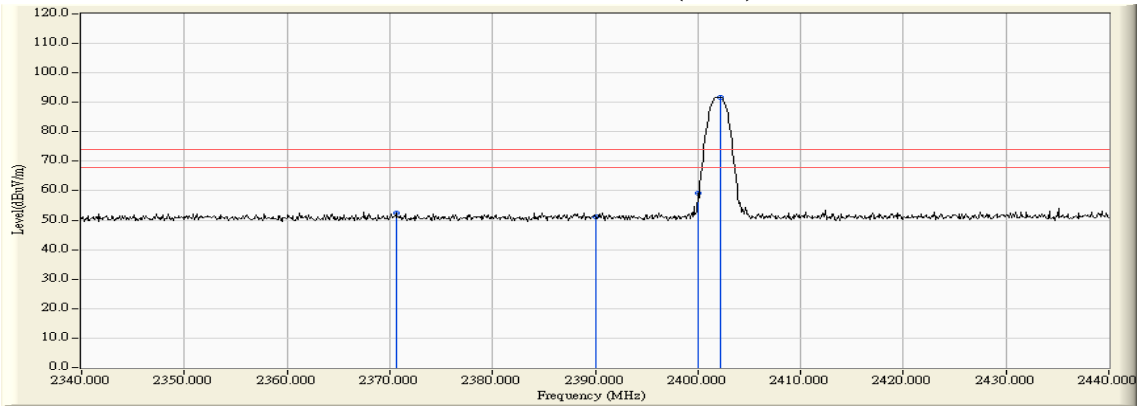
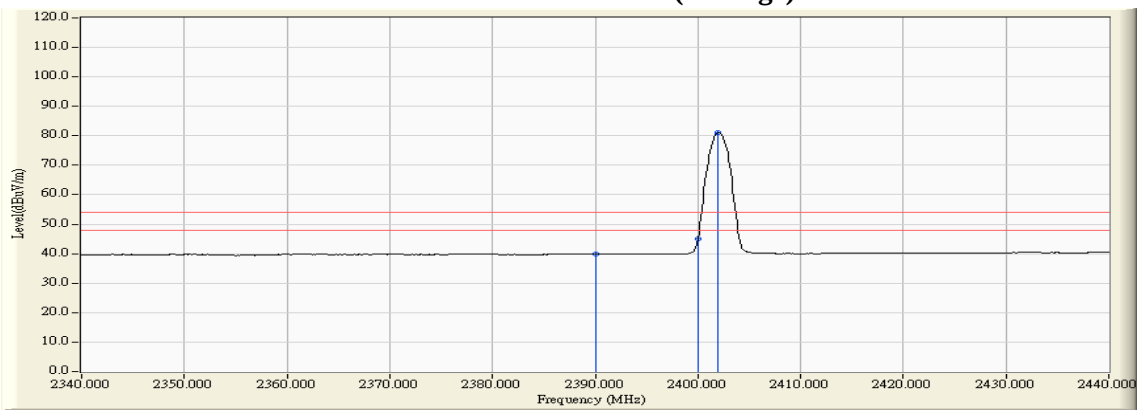


Figure Channel 00: Horizontal (Average)



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	:	2017/06/16
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)	2360.700	6.001	47.484	53.485	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	45.166	51.047	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	65.534	71.413	--	--	--
00 (Peak)	2402.000	5.884	97.495	103.379	--	--	--
00 (Average)	2362.100	5.995	34.267	40.262	74.000	54.000	Pass
00 (Average)	2390.000	5.880	33.737	39.618	74.000	54.000	Pass
00 (Average)	2400.000	5.879	45.946	51.825	--	--	--
00 (Average)	2402.000	5.884	84.199	90.083	--	--	--

Figure Channel 00: Vertical (Peak)

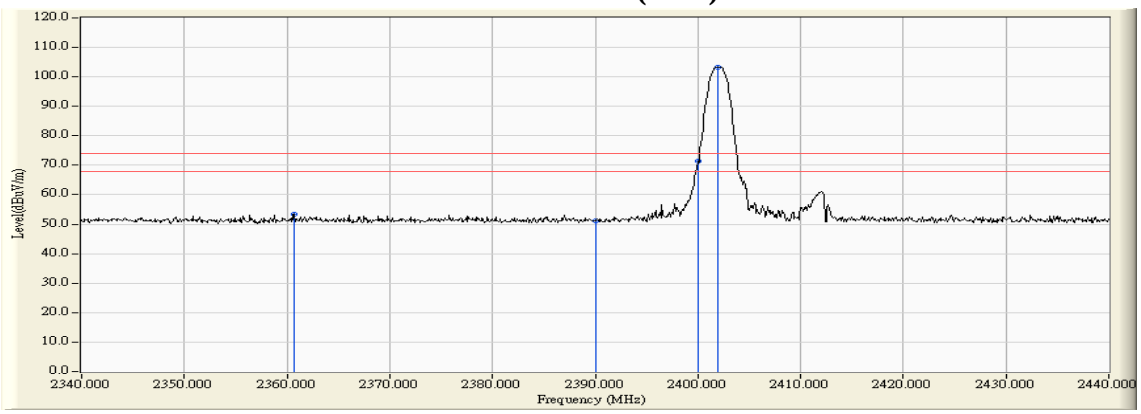
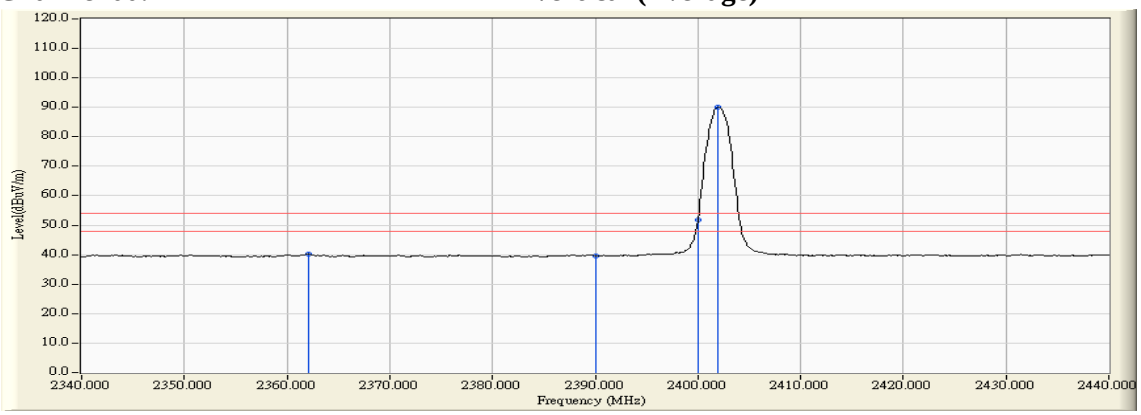


Figure Channel 00: Vertical (Average)



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	:	2017/06/16
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)	2480.000	7.085	90.348	97.433	--	--	--
78 (Peak)	2483.500	7.110	45.350	52.460	74.000	54.000	Pass
78 (Peak)	2500.500	7.188	48.751	55.940	74.000	54.000	Pass
78 (Average)	2480.000	7.085	78.477	85.562	--	--	--
78 (Average)	2483.500	7.110	34.473	41.583	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

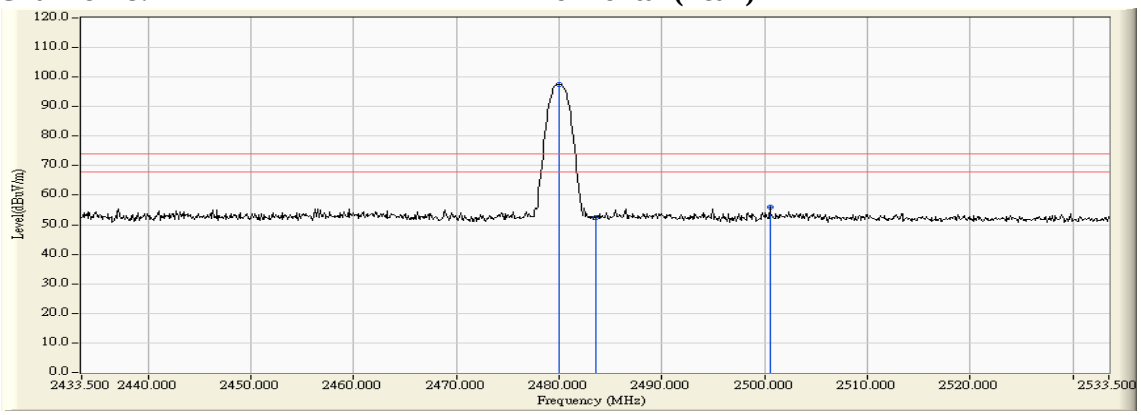
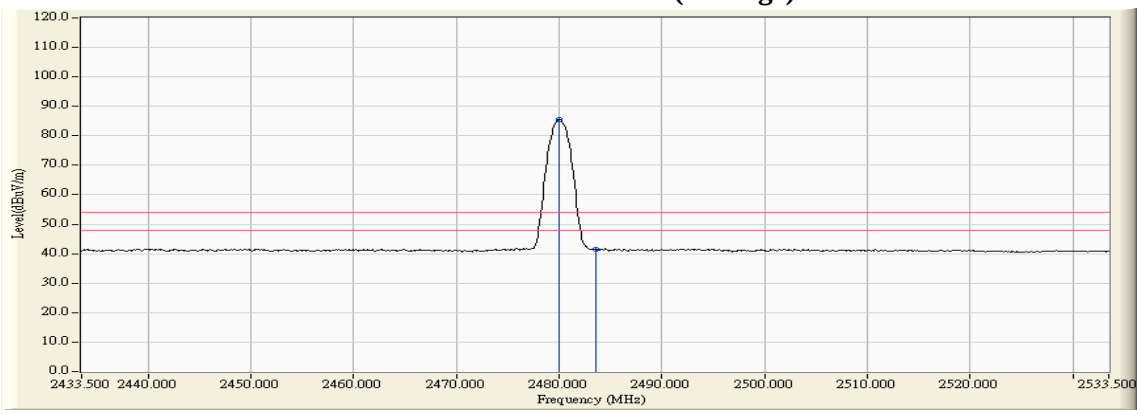


Figure Channel 78: Horizontal (Average)



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	:	2017/06/16
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)	2480.000	6.342	104.138	110.479	--	--	--
78 (Peak)	2483.500	6.363	51.464	57.827	74.000	54.000	Pass
78 (Peak)	2490.100	6.405	56.895	63.300	74.000	54.000	Pass
78 (Average)	2480.000	6.342	89.455	95.796	--	--	--
78 (Average)	2483.500	6.363	38.094	44.457	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

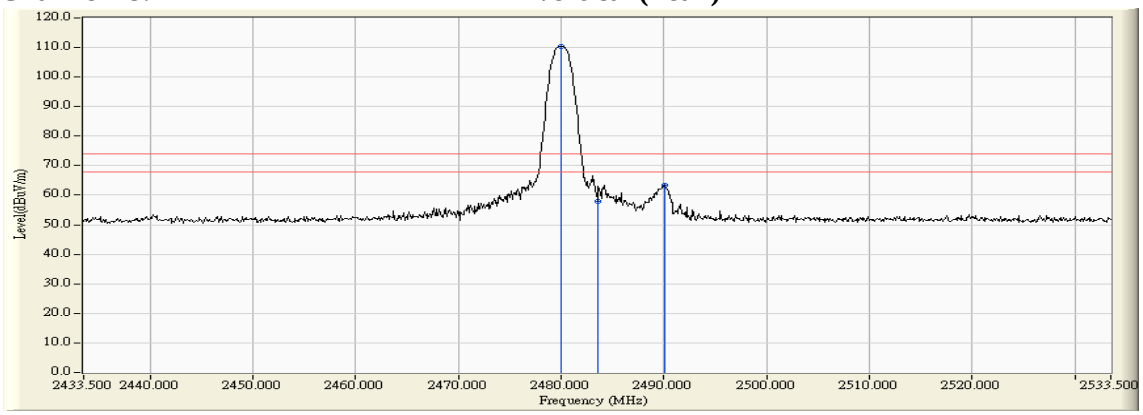
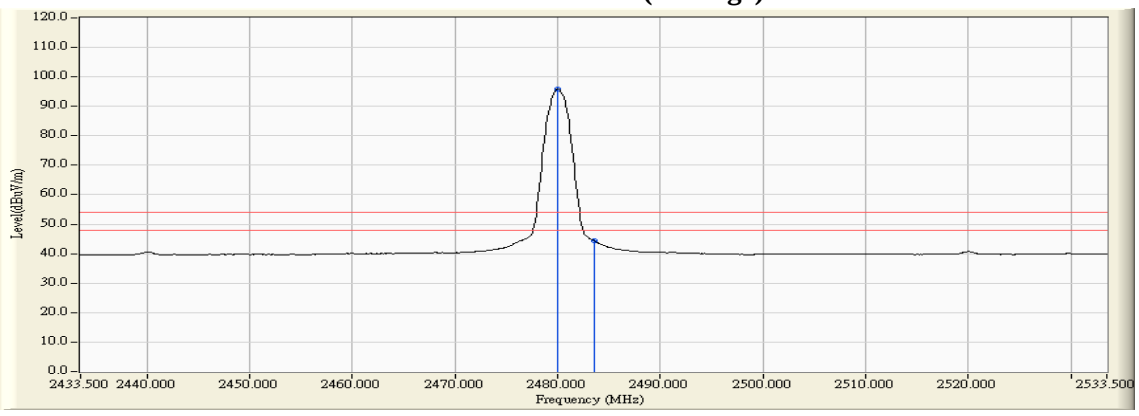


Figure Channel 78: Vertical (Average)



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	:	2017/06/16
Test Mode	:	Mode 2: Transmit - 2Mbps (4DQPSK) (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)	2381.400	6.436	46.750	53.187	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	44.041	50.516	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	65.132	71.660	--	--	--
00 (Peak)	2402.200	6.541	85.282	91.823	--	--	--
00 (Average)	2390.000	6.474	33.516	39.991	74.000	54.000	Pass
00 (Average)	2400.000	6.528	46.862	53.390	--	--	--
00 (Average)	2402.000	6.540	72.232	78.772	--	--	--

Figure Channel 00: Horizontal (Peak)

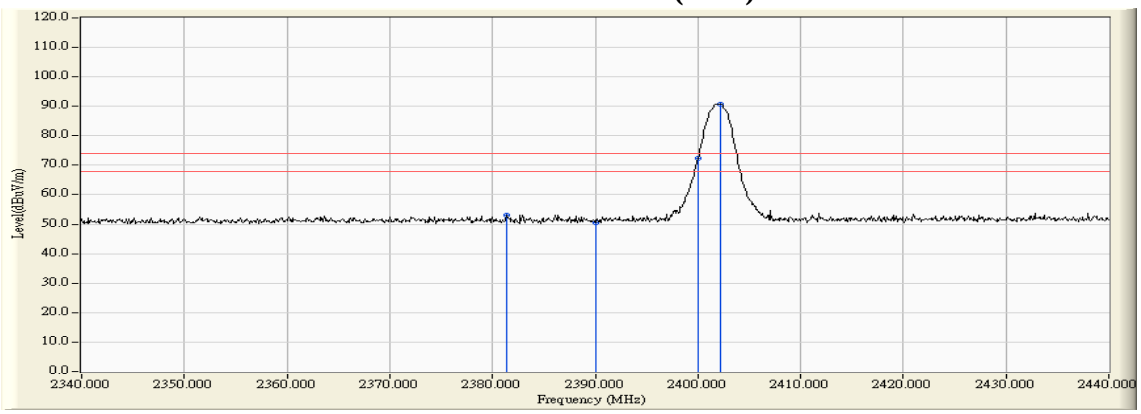
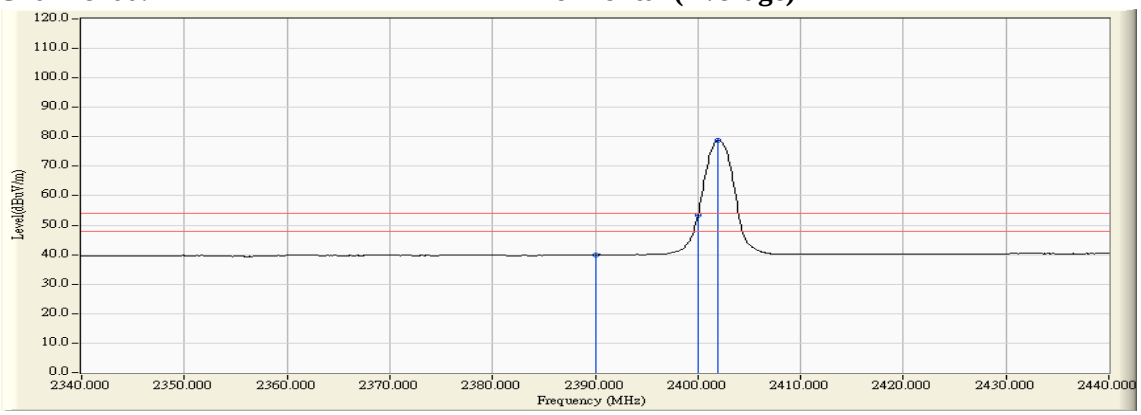


Figure Channel 00: Horizontal (Average)



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	:	2017/06/16
Test Mode	:	Mode 2: Transmit - 2Mbps (4DQPSK) (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)	2379.400	5.924	47.361	53.285	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	46.732	52.613	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	77.439	83.318	--	--	--
00 (Peak)	2402.200	5.884	98.257	104.141	--	--	--
00 (Average)	2390.000	5.880	34.493	40.374	74.000	54.000	Pass
00 (Average)	2400.000	5.879	56.740	62.619	--	--	--
00 (Average)	2402.000	5.884	82.759	88.643	--	--	--

Figure Channel 00: Vertical (Peak)

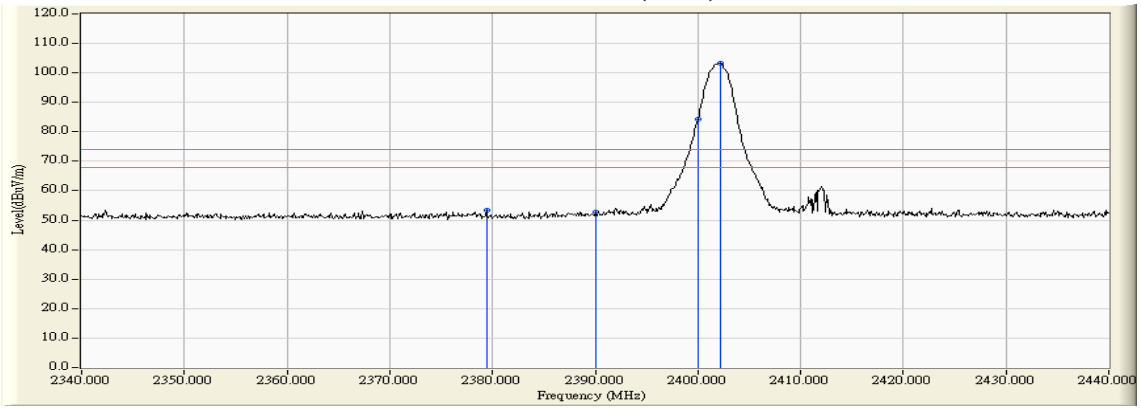
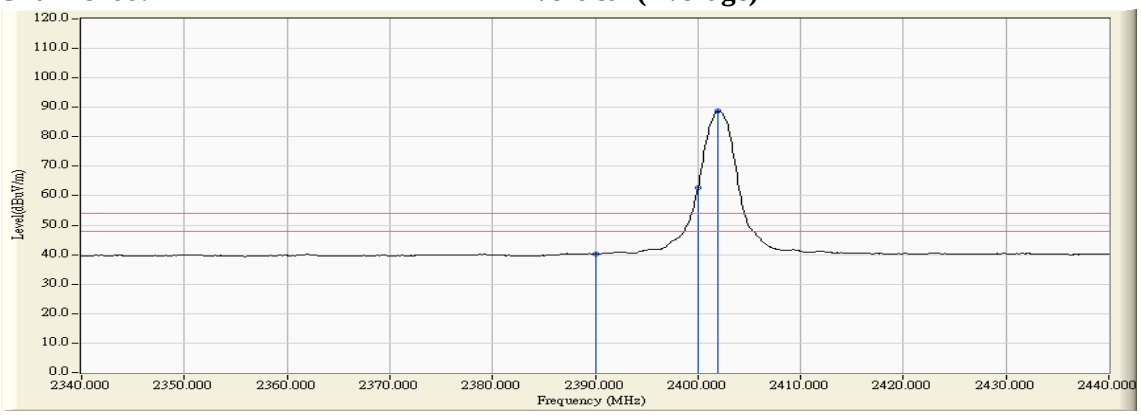


Figure Channel 00: Vertical (Average)



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	:	2017/06/16
Test Mode	:	Mode 2: Transmit - 2Mbps (4DQPSK) (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)	2480.200	7.087	89.208	96.295	--	--	--
78 (Peak)	2483.500	7.110	46.295	53.405	74.000	54.000	Pass
78 (Peak)	2499.400	7.191	47.768	54.959	74.000	54.000	Pass
78 (Average)	2480.000	7.085	76.054	83.139	--	--	--
78 (Average)	2483.500	7.110	35.227	42.337	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

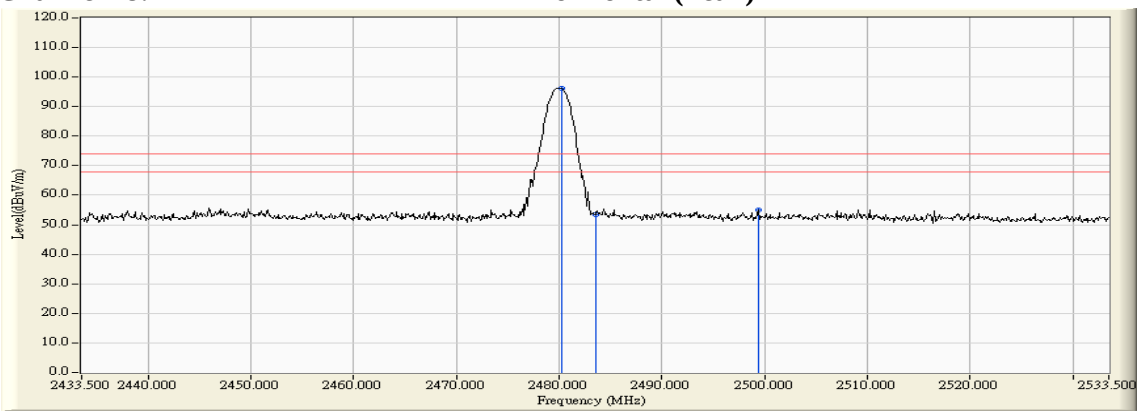
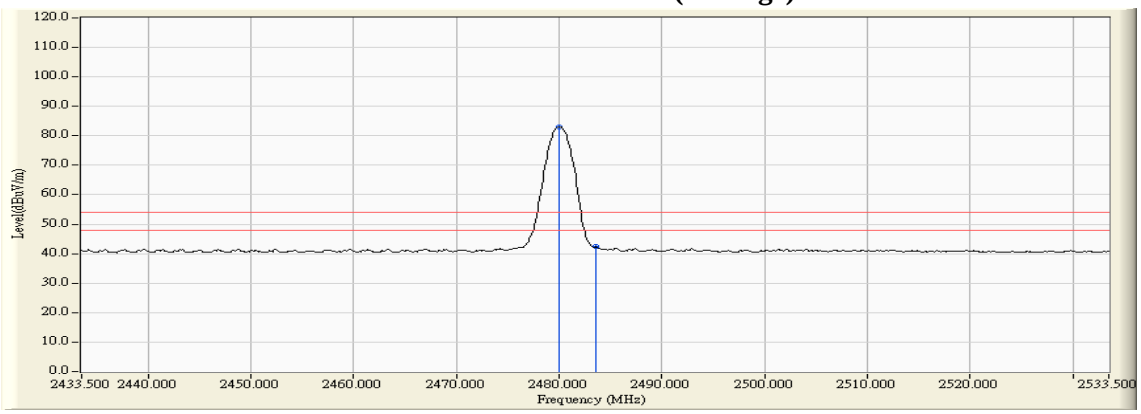


Figure Channel 78: Horizontal (Average)



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	:	2017/06/16
Test Mode	:	Mode 2: Transmit - 2Mbps (4DQPSK) (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)	2480.200	6.343	103.146	109.489	--	--	--
78 (Peak)	2483.500	6.363	55.968	62.331	74.000	54.000	Pass
78 (Peak)	2490.100	6.405	56.629	63.034	74.000	54.000	Pass
78 (Average)	2480.000	6.342	87.284	93.625	--	--	--
78 (Average)	2483.500	6.363	41.491	47.854	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

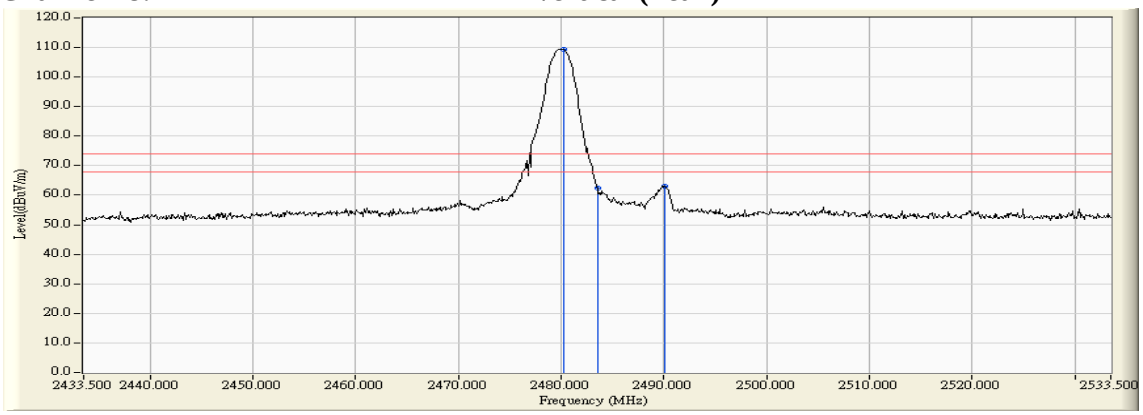
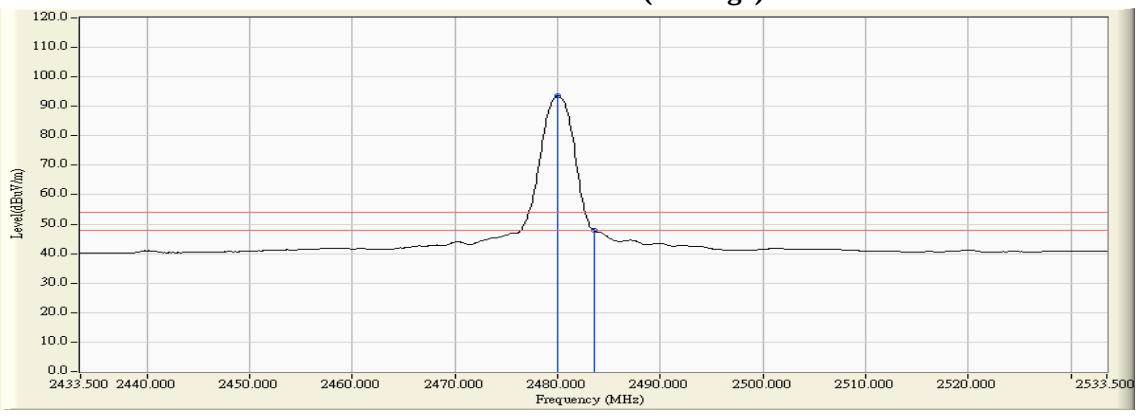


Figure Channel 78: Vertical (Average)



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 : 2017/06/16
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)	2367.200	6.372	46.954	53.327	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	43.997	50.472	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	63.980	70.508	--	--	--
00 (Peak)	2402.000	6.540	85.222	91.762	--	--	--
00 (Average)	2390.000	6.474	33.456	39.931	74.000	54.000	Pass
00 (Average)	2400.000	6.528	45.836	52.364	--	--	--
00 (Average)	2402.100	6.541	72.015	78.556	--	--	--

Figure Channel 00: Horizontal (Peak)

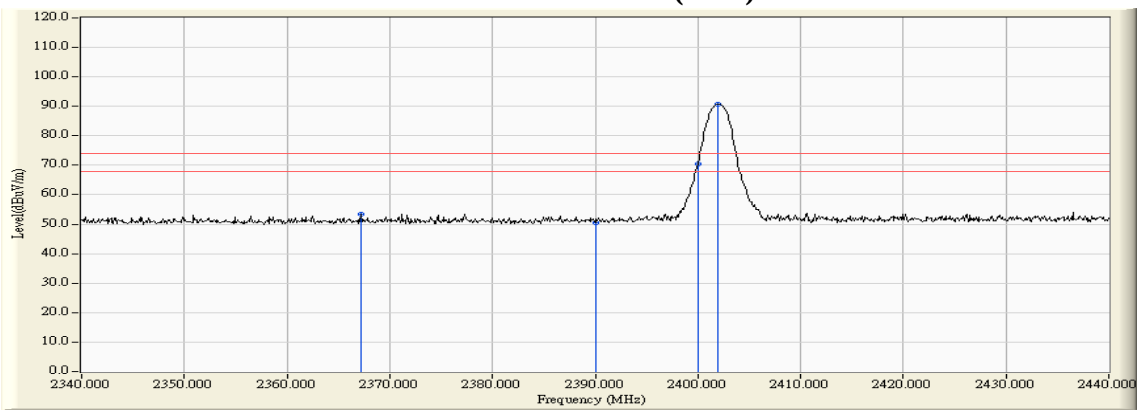
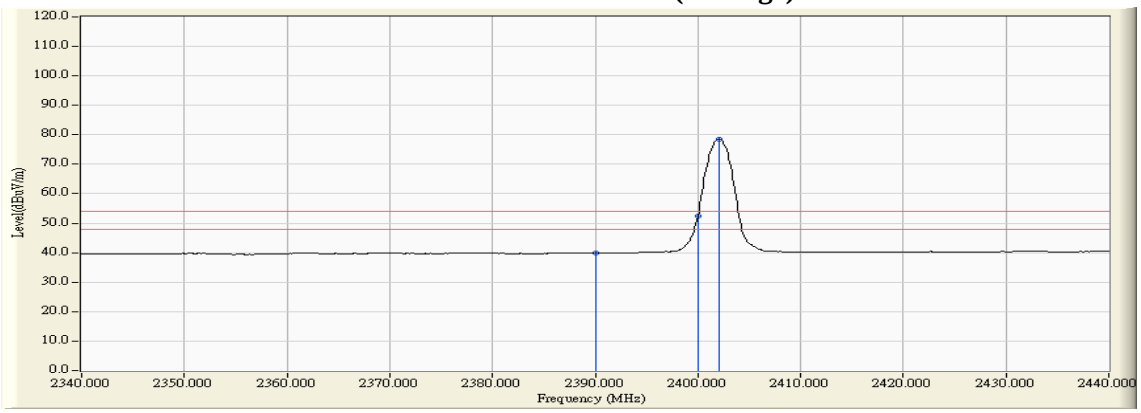


Figure Channel 00: Horizontal (Average)



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	:	2017/06/16
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)	2366.000	5.979	47.942	53.921	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	47.277	53.158	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	76.289	82.168	--	--	--
00 (Peak)	2402.000	5.884	96.681	102.565	--	--	--
00 (Average)	2390.000	5.880	34.803	40.684	74.000	54.000	Pass
00 (Average)	2400.000	5.879	55.259	61.138	--	--	--
00 (Average)	2402.100	5.884	82.173	88.057	--	--	--

Figure Channel 00: Vertical (Peak)

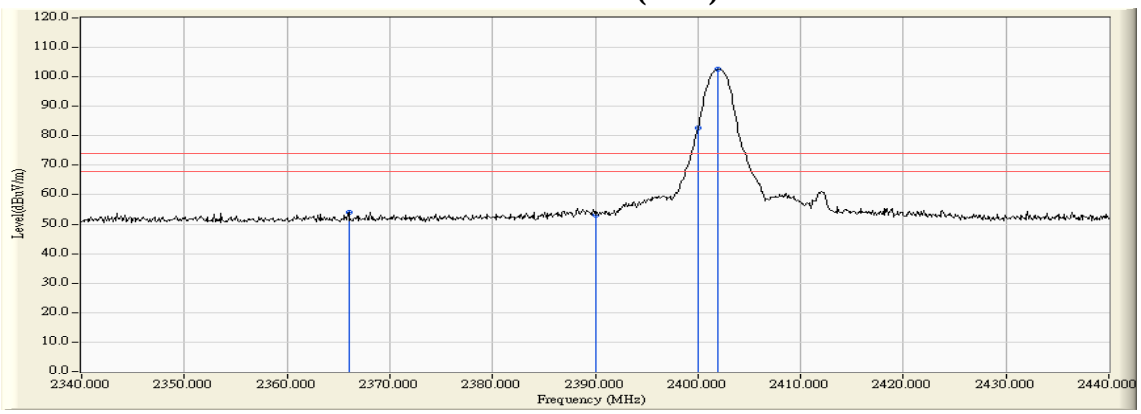
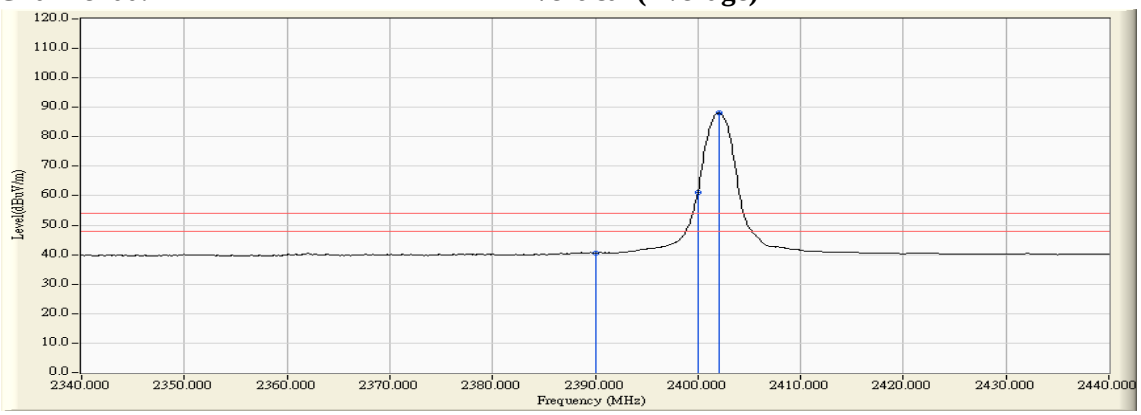


Figure Channel 00: Vertical (Average)



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	:	2017/06/16
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)	2480.000	7.085	88.862	95.947	--	--	--
78 (Peak)	2483.500	7.110	46.167	53.277	74.000	54.000	Pass
78 (Peak)	2504.600	7.180	47.900	55.079	74.000	54.000	Pass
78 (Average)	2480.000	7.085	75.588	82.673	--	--	--
78 (Average)	2483.500	7.110	34.668	41.778	74.000	54.000	Pass

Figure Channel 78: Horizontal (Peak)

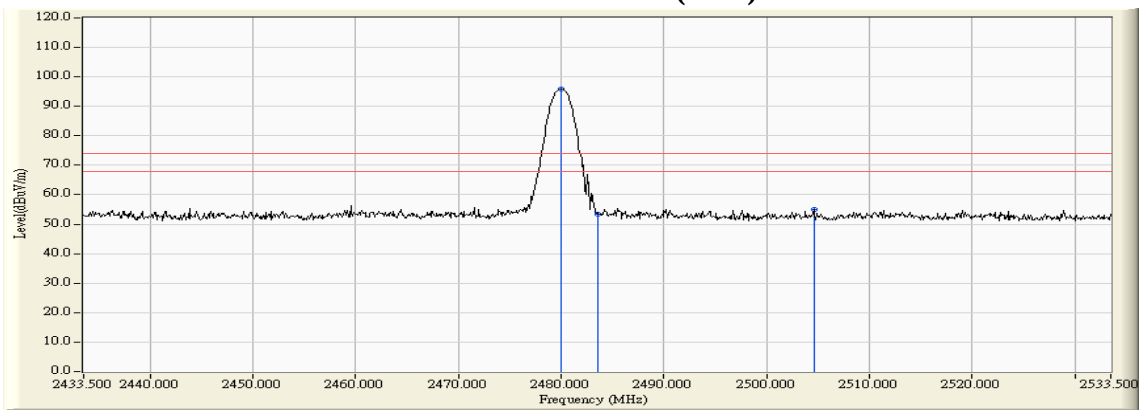
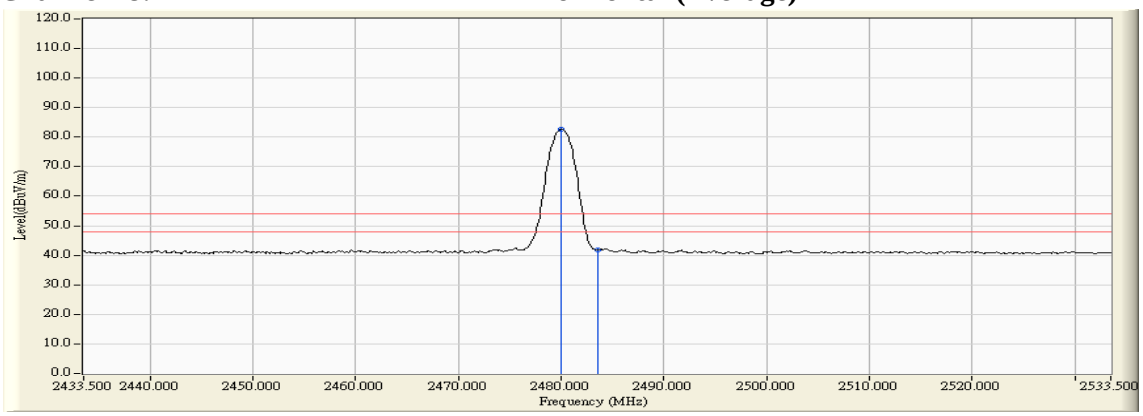


Figure Channel 78: Horizontal (Average)



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	:	2017/06/16
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)	2480.000	6.342	102.769	109.110	--	--	--
78 (Peak)	2483.500	6.363	57.801	64.164	74.000	54.000	Pass
78 (Average)	2480.000	6.342	86.772	93.113	--	--	--
78 (Average)	2483.500	6.363	41.346	47.709	74.000	54.000	Pass

Figure Channel 78: Vertical (Peak)

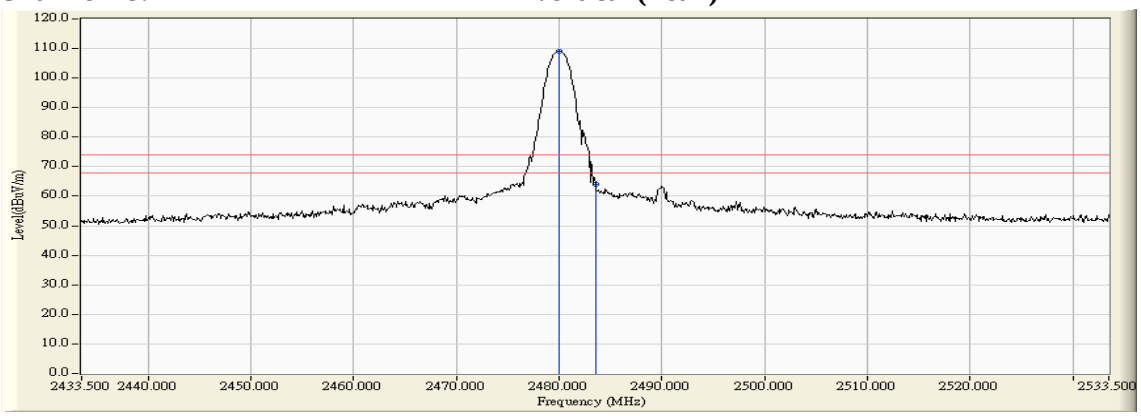
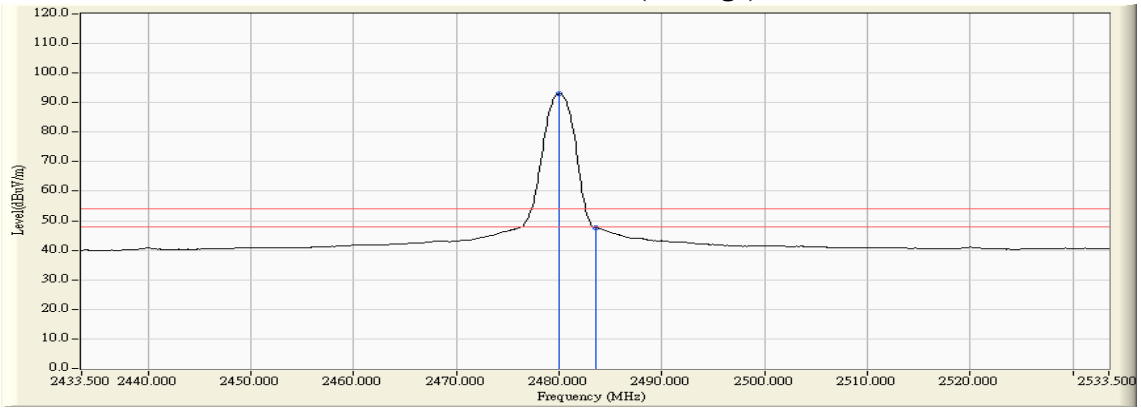


Figure Channel 78: Vertical (Average)



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.