

FCC Test Report

(Class II Permissive Change)

Product Name	Intel® Dual Band Wireless-AC 8265
Model No.	8265NGW
FCC ID.	2ANPM8265NG

Applicant	Nexstgo Company Limited
Address	FLAT/RM 1602 16/F ENTERPRISE SQUARE TOWER II NO.9 SHEUNG YUET ROAD KOWLOON BAY

Date of Receipt	Sep. 18, 2017
Issued Date	Nov. 14, 2017
Report No.	1790242R-RFUSP12V00-B
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

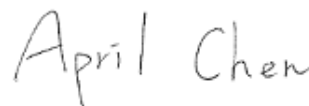
Issued Date: Nov. 14, 2017

Report No.: 1790242R-RFUSP12V00-B



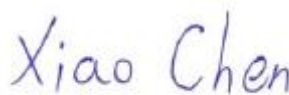
Product Name	Intel® Dual Band Wireless-AC 8265
Applicant	Nexstgo Company Limited
Address	FLAT/RM 1602 16/F ENTERPRISE SQUARE TOWER II NO.9 SHEUNG YUET ROAD KOWLOON BAY
Manufacturer	Intel Mobile Communications France SAS
Model No.	8265NGW
FCC ID.	2ANPM8265NG
EUT Rated Voltage	DC 3.3V (via Mini-PCI Express 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 :



(Adm. Specialist / April Chen)

Tested By :



(Engineer / Xiao 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.	2ANPM8265NG
Frequency Range	2402 – 2480MHz
Channel Number	79
Type of Modulation	FHSS: GFSK(1Mbps) / π /4DQPSK(2Mbps) / 8DPSK(3Mbps)
Antenna Type	Slot Antenna/ PIFA Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

Antenna List:

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	HUA CHENG TECHNOLOGY CO., LTD.	0ACAEX17001N(Main) 0ACAEX17002N(Aux)	Slot Antenna	1.89dBi for 2.4 GHz
2	Joinsoon Electronics Manufacturing CO., LTD. TD.	1510-0157-0001 (Main) 1510-0157-0002 (Aux)	Slot Antenna	1.68dBi for 2.4 GHz
3	HUA CHENG TECHNOLOGY CO., LTD.	0ACAEX17003N(Main) 0ACAEX17004N(Aux)	PIFA	-0.36dBi for 2.4 GHz
4	Joinsoon Electronics Manufacturing CO., LTD. TD.	1510-0157-0003 (Main) 1510-0157-0004 (Aux)	PIFA	-1.05dBi for 2.4 GHz

Note : (1)The antenna of EUT is conform to FCC 15.203

(2) HUA CHENG antenna(No1) was tested and recorded in this report since it represents worst case gain.

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: 2ANPM8265NG, originally granted on 10/04/2017.

The major change filed under this application is:

Change #1: Add four new antennas, the antenna types of Antenna List (No. 1 & No. 2) is different than the original application (Slot antenna), the types of Antenna List (No. 3 & No. 4) are the same as the original application (PIFA antenna). And the gains of all antennas are lower than the original application.

Change #2: Reduce the Output Power through firmware(only reduce Slot Antenna (Antenna List (No. 1 & No. 2)), PIFA Antenna (Antenna List (No. 3 & No. 4)) Output Power haven't changes) and all other hardware is identical with original granted.

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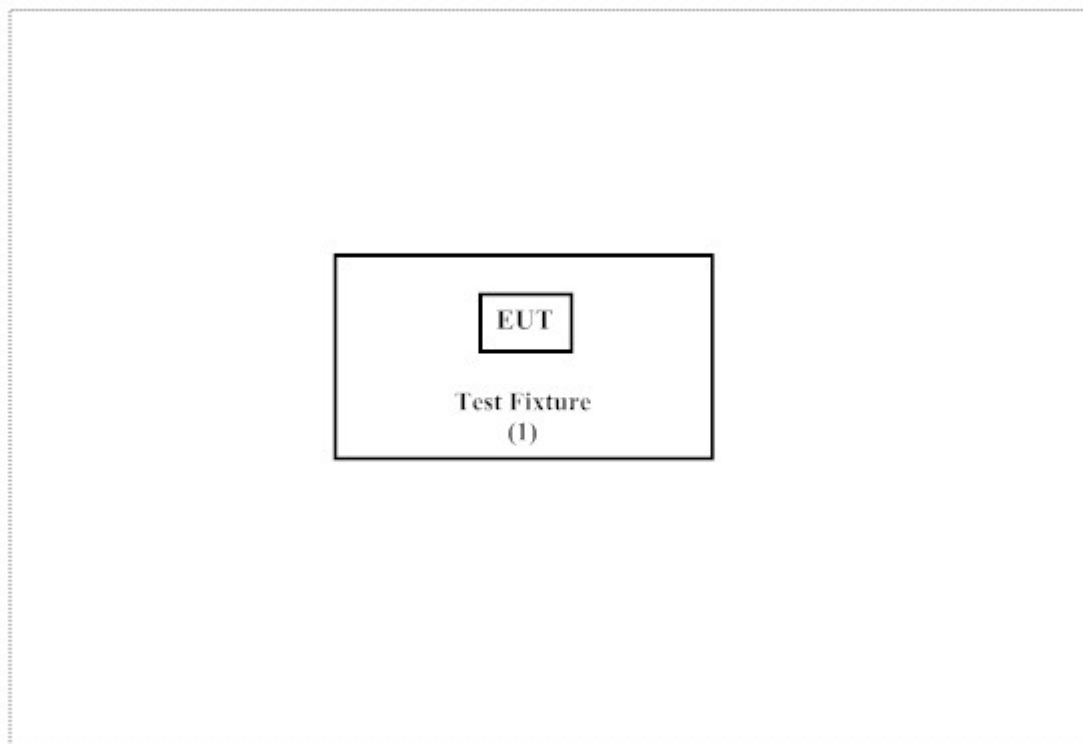
1.3. Tested System Details

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

Product	Manufacturer	Model No.	Serial No.	Power Cord
1 Test Fixture	NEXSTGO	NP14NX	N/A	N/A

Signal Cable Type	Signal cable Description
	N/A

1.4. Configuration of Tested System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown on 1.4
- (2) Execute software "DRTU (Ver 10.1720.0-05195)" on the Notebook PC.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Start the continuous transmission.
- (5) Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

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

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

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

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Accredited Number: 3023

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E-Mail : info.tw@dekra.com

FCC Accreditation Number: TW3023

1.7. List of Test Item and Equipment

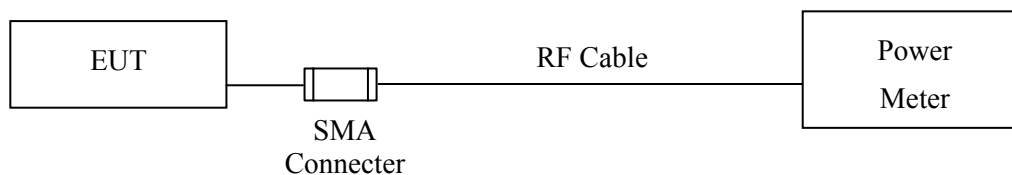
	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Power Meter	Keysight	8990B	MY51000410	2017/8/16	2018/8/15
X	Wideband power sensor	Keysight	N1923A	MY5608003	2017/8/16	2018/8/15
X	Spectrum Analyzer	R&S	FSP40	100170	2017/1/5	2018/1/3
X	Loop Antenna	TESEQ	HLA6121	37133	2017/3/18	2018/3/17
X	Bi-Log Antenna	Schaffner Chase	CBL6112B	2707	2017/6/11	2018/6/10
X	Horn Antenna	ETS-Lindgren	3117	00203761	2017/10/15	2018/10/13
X	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
X	Pre-Amplifier	NARDA WE	DBL-1840N506	013	2017/8/6	2018/8/4
X	Filter	MicroTRON	BRM50701	019	2017/10/20	2018/10/18
X	Filter	Microwave Circuits	N0257881	36681	2016/12/7	2017/12/5
X	Coaxial Cable	QTK(Arnist)	SUCOFLEX 106	L1606-015C	2017/6/23	2018/6/22
X	EMI Test Receiver	R&S	ESCS 30	838251/001	2017/7/21	2018/7/20
X	Coaxial Cable	QTK(Arnist)	RG 214	LC003-RG	2017/6/16	2018/6/15
X	Coaxial signal switch	Anritsu	MP59B	6201415889	2017/6/16	2018/6/15

Note:

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

2. Peak Power Output

2.1. Test Setup



2.2. Limit

The maximum peak power shall be less 1Watt.

2.3. Test Procedure

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

2.4. Uncertainty

± 1.19 dB

2.5. Test Result of Peak Power Output

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Peak Power Output
Test Site : No.3 OATS
Test date : 2017/10/12
Test Mode : Mode 1: Transmit - 1Mbps (GFSK)

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	10.79	1 Watt= 30 dBm	Pass
Channel 39	2441.00	10.75	1 Watt= 30 dBm	Pass
Channel 78	2480.00	10.29	1 Watt= 30 dBm	Pass

Product : Intel® Dual Band Wireless-AC 8265
Test Item : Peak Power Output
Test Site : No.3 OATS
Test date : 2017/10/12
Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK)

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	10.27	1 Watt= 30 dBm	Pass
Channel 39	2441.00	10.23	1 Watt= 30 dBm	Pass
Channel 78	2480.00	9.89	1 Watt= 30 dBm	Pass

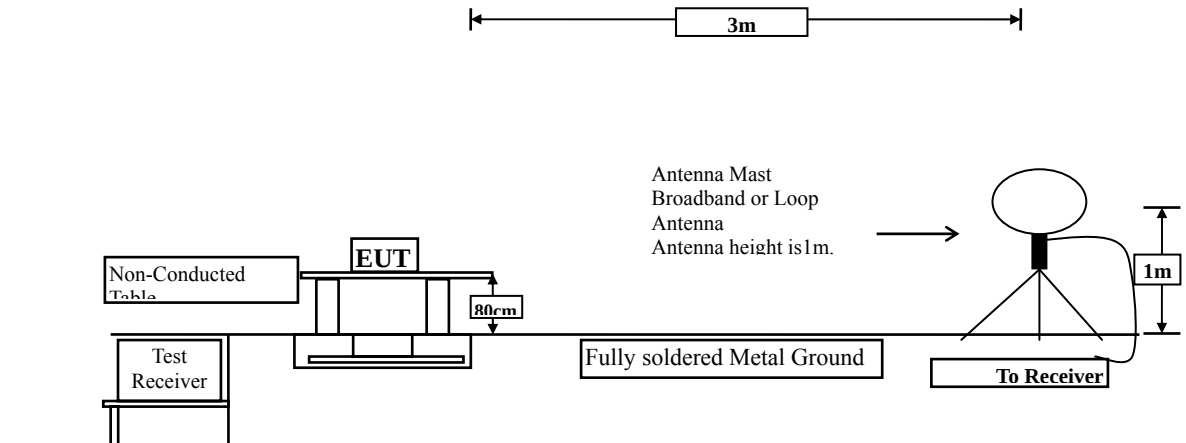
Product : Intel® Dual Band Wireless-AC 8265
Test Item : Peak Power Output
Test Site : No.3 OATS
Test date : 2017/10/12
Test Mode : Mode 3: Transmit - 3Mbps (8DPSK)

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	9.82	1 Watt= 30 dBm	Pass
Channel 39	2441.00	9.90	1 Watt= 30 dBm	Pass
Channel 78	2480.00	9.61	1 Watt= 30 dBm	Pass

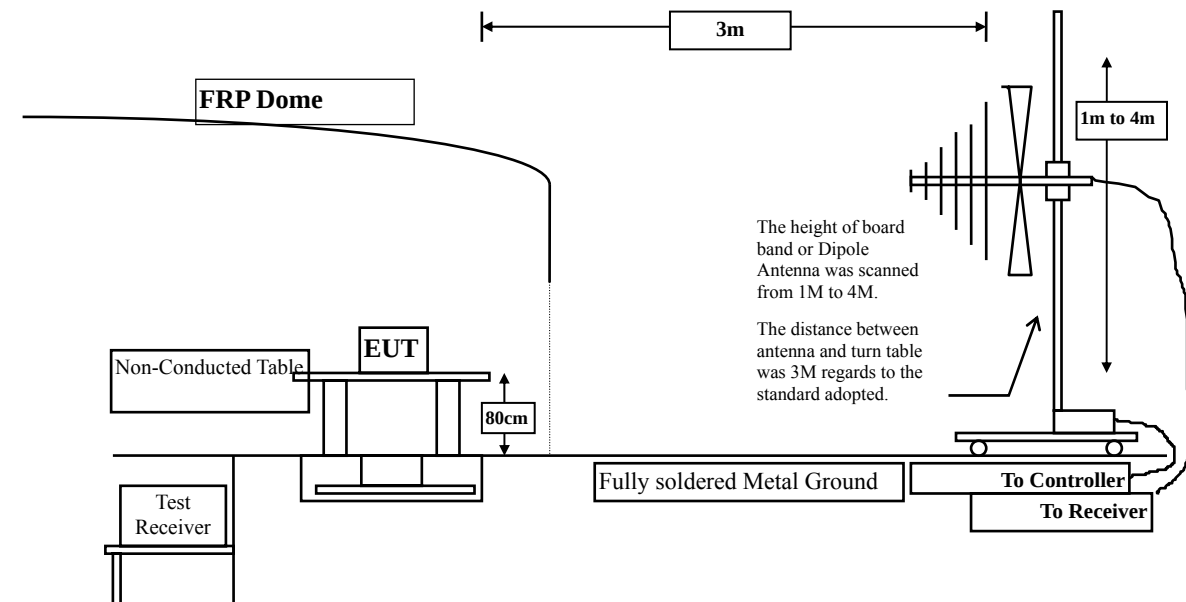
3. Radiated Emission

3.1. Test Setup

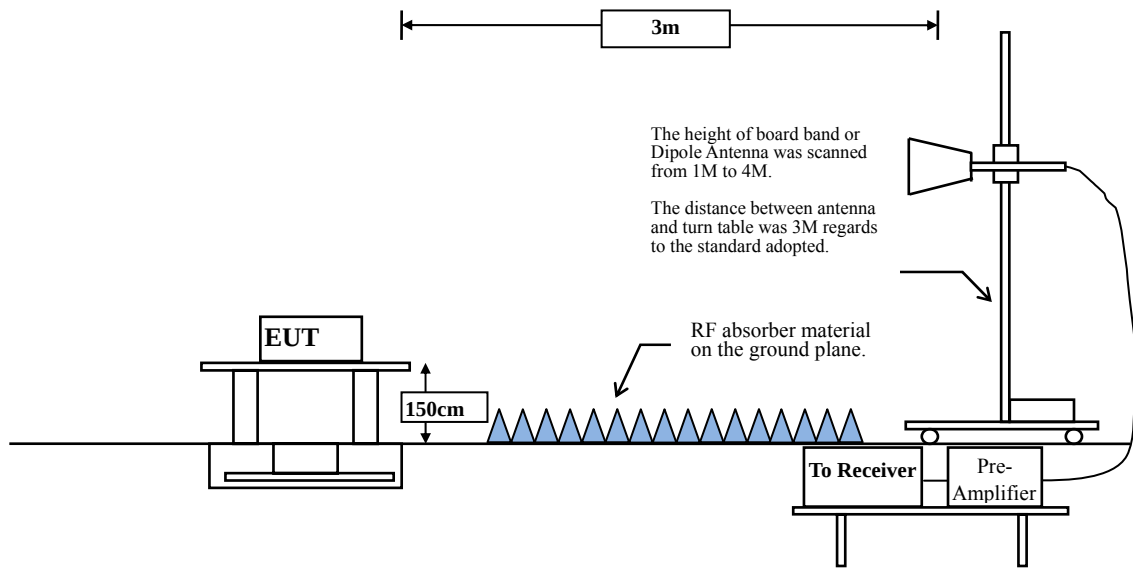
Under 30MHz



Below 1GHz



Above 1GHz



3.2. Limits

➤ General Radiated Emission Limits

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

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

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

3.3. Test Procedure

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

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

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

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

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

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

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

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

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

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

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

3.4. Uncertainty

± 4.08 dB above 1GHz

± 4.22 dB below 1GHz

3.5. Test Result of Radiated Emission

Product : Intel® Dual Band Wireless-AC 8265
 Test Item : Harmonic Radiated Emission
 Test Site : No.8 CB
 Test date : 2017/10/19
 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	2.511	39.264	41.774	-32.226	74.000
7206.000	9.511	41.576	51.087	-22.913	74.000
9608.000	10.394	37.624	48.018	-25.982	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	2.923	38.995	41.917	-32.083	74.000
7206.000	9.988	43.275	53.264	-20.736	74.000
9608.000	10.847	37.892	48.739	-25.261	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.8 CB
 Test date : 2017/10/19
 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	2.025	38.356	40.381	-33.619	74.000
7323.000	9.762	41.189	50.950	-23.050	74.000
9764.000	9.682	37.770	47.451	-26.549	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	2.488	39.106	41.594	-32.406	74.000
7323.000	10.375	41.571	51.945	-22.055	74.000
9764.000	10.315	37.468	47.783	-26.217	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.8 CB
 Test date : 2017/10/19
 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	2.582	39.103	41.685	-32.315	74.000
7440.000	10.555	41.691	52.246	-21.754	74.000
9920.000	10.206	38.353	48.559	-25.441	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	3.398	38.895	42.294	-31.706	74.000
7440.000	11.214	42.414	53.628	-20.372	74.000
9920.000	11.245	38.217	49.462	-24.538	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 : 2017/10/19
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2402MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level	dB	dBμV/m
	dB	dBμV	dBμV/m		
Horizontal					
Peak Detector:					
4804.000	2.511	38.949	41.459	-32.541	74.000
7206.000	9.511	38.822	48.333	-25.667	74.000
9608.000	10.394	37.854	48.248	-25.752	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	2.923	39.117	42.039	-31.961	74.000
7206.000	9.988	39.127	49.116	-24.884	74.000
9608.000	10.847	37.597	48.444	-25.556	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 : 2017/10/19
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4882.000	2.025	38.209	40.234	-33.766	74.000
7323.000	9.762	38.809	48.570	-25.430	74.000
9764.000	9.682	37.165	46.846	-27.154	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	2.488	37.908	40.396	-33.604	74.000
7323.000	10.375	39.389	49.763	-24.237	74.000
9764.000	10.315	37.573	47.888	-26.112	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 : 2017/10/19
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2480MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
4960.000	2.582	39.491	42.073	-31.927	74.000
7440.000	10.555	39.465	50.020	-23.980	74.000
9920.000	10.206	38.255	48.461	-25.539	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	3.398	39.047	42.446	-31.554	74.000
7440.000	11.214	40.070	51.284	-22.716	74.000
9920.000	11.245	38.571	49.816	-24.184	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.8 CB
 Test date : 2017/10/19
 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	2.511	38.833	41.343	-32.657	74.000
7206.000	9.511	38.220	47.731	-26.269	74.000
9608.000	10.394	37.290	47.684	-26.316	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	2.923	38.678	41.600	-32.400	74.000
7206.000	9.988	38.586	48.575	-25.425	74.000
9608.000	10.847	37.959	48.806	-25.194	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.8 CB
 Test date : 2017/10/19
 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	2.025	38.805	40.830	-33.170	74.000
7323.000	9.762	38.142	47.903	-26.097	74.000
9764.000	9.682	37.412	47.093	-26.907	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	2.488	38.445	40.933	-33.067	74.000
7323.000	10.375	38.541	48.915	-25.085	74.000
9764.000	10.315	37.752	48.067	-25.933	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.8 CB
 Test date : 2017/10/19
 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	2.582	39.163	41.745	-32.255	74.000
7440.000	10.555	35.881	46.436	-27.564	74.000
9920.000	10.206	38.627	48.833	-25.167	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	3.398	39.045	42.444	-31.556	74.000
7440.000	11.214	35.541	46.755	-27.245	74.000
9920.000	11.245	38.944	50.189	-23.811	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 : 2017/10/26
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (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					
250.190	-6.134	49.297	43.164	-2.836	46.000
400.540	0.942	40.239	41.181	-4.819	46.000
455.830	2.028	35.259	37.287	-8.713	46.000
504.330	2.015	36.521	38.536	-7.464	46.000
600.360	3.472	34.538	38.010	-7.990	46.000
1000.000	9.564	36.083	45.647	-8.353	54.000
Vertical					
176.470	-1.530	38.125	36.595	-6.905	43.500
250.190	-4.944	43.446	38.503	-7.497	46.000
359.800	-1.316	34.382	33.066	-12.934	46.000
504.330	-0.055	37.337	37.282	-8.718	46.000
600.360	1.302	31.835	33.137	-12.863	46.000
792.420	2.681	26.626	29.307	-16.693	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 : 2017/10/26
 Test Mode : Mode 2: Transmit - 2Mbps (4DQPSK) (2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
51.087	-11.620	47.482	35.862	-4.138	40.000
231.029	-8.106	51.008	42.902	-3.098	46.000
489.696	1.493	36.982	38.475	-7.525	46.000
692.130	3.689	32.953	36.642	-9.358	46.000
832.710	6.736	33.702	40.437	-5.563	46.000
949.391	7.031	24.911	31.942	-14.058	46.000
Vertical					
119.971	-3.544	39.226	35.682	-7.818	43.500
264.768	-5.078	43.088	38.011	-7.989	46.000
489.696	-2.264	36.513	34.249	-11.751	46.000
692.130	1.986	29.407	31.393	-14.607	46.000
842.551	2.364	29.862	32.227	-13.773	46.000
940.957	3.477	24.094	27.571	-18.429	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 : 2017/10/26
 Test Mode : Mode 3: Transmit - 3Mbps (8DPSK) (2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
150.280	-7.870	38.173	30.303	-13.197	43.500
250.190	-6.134	49.480	43.347	-2.653	46.000
359.800	-0.226	44.473	44.247	-1.753	46.000
455.830	2.028	35.761	37.789	-8.211	46.000
504.330	2.015	36.008	38.023	-7.977	46.000
599.390	3.488	35.501	38.989	-7.011	46.000
Vertical					
158.040	-5.172	43.894	38.722	-4.778	43.500
250.190	-4.944	43.288	38.345	-7.655	46.000
359.800	-1.316	34.278	32.962	-13.038	46.000
504.330	-0.055	37.041	36.986	-9.014	46.000
600.360	1.302	32.895	34.197	-11.803	46.000
1000.000	-1.166	35.010	33.844	-20.156	54.000

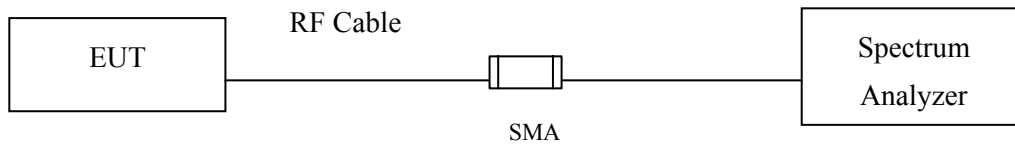
Note:

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.

4. Band Edge

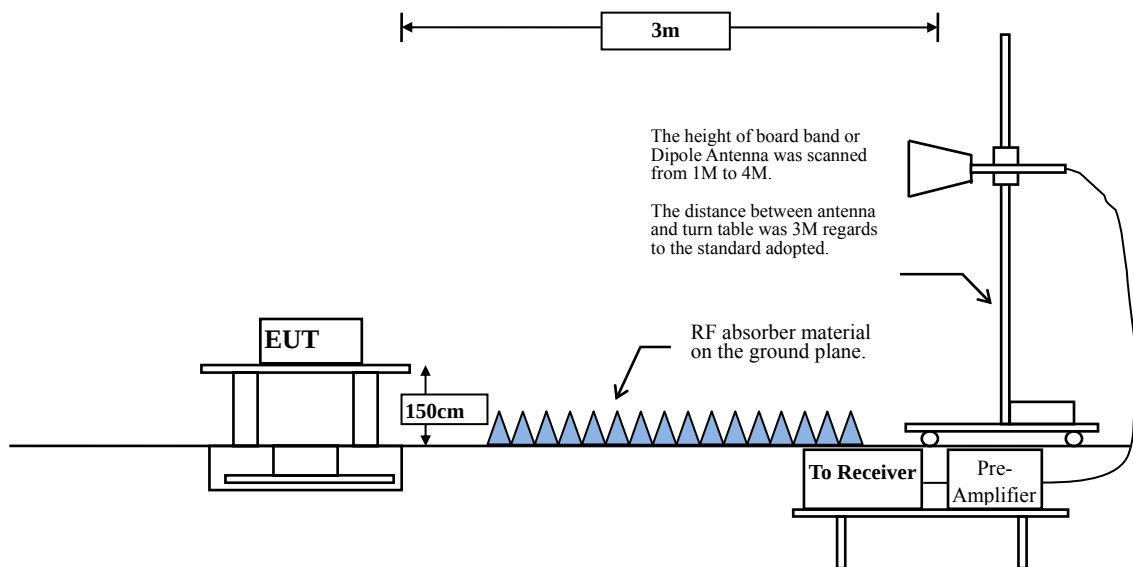
4.1. Test Setup

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.8 CB
 Test date : 2017/10/04
 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)	2377.500	6.420	47.393	53.813	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	45.856	52.331	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	58.344	64.872	--	--	--
00 (Peak)	2402.000	6.540	95.615	102.155	--	--	--
00 (Average)	2390.000	6.474	33.434	39.909	74.000	54.000	Pass
00 (Average)	2400.000	6.528	44.148	50.676	--	--	--
00 (Average)	2402.000	6.540	82.571	89.111	--	--	--

Figure Channel 00: Horizontal (Peak)

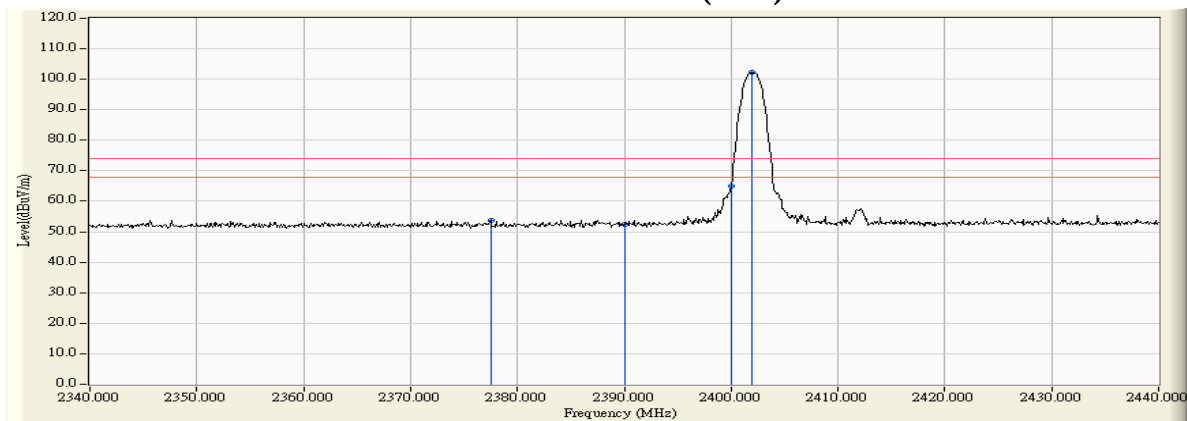
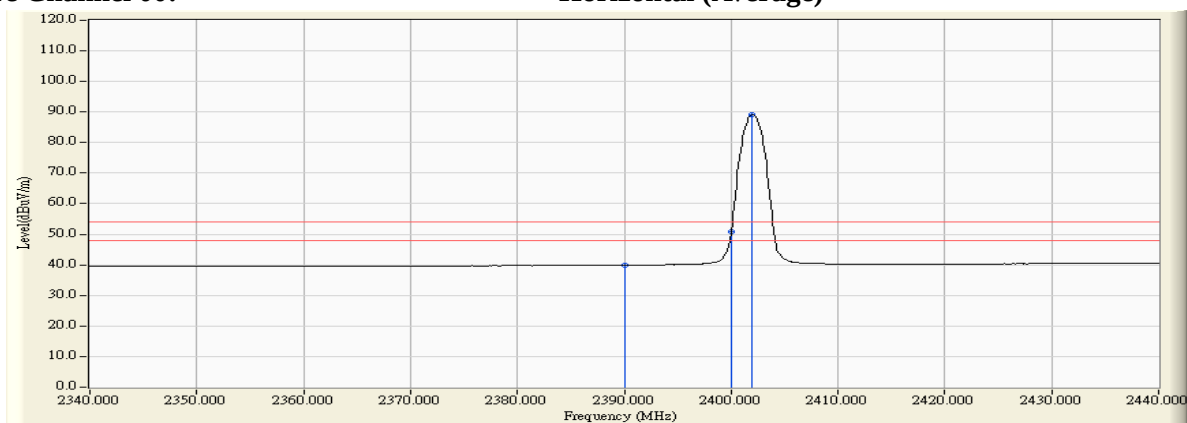


Figure Channel 00: Horizontal (Average)



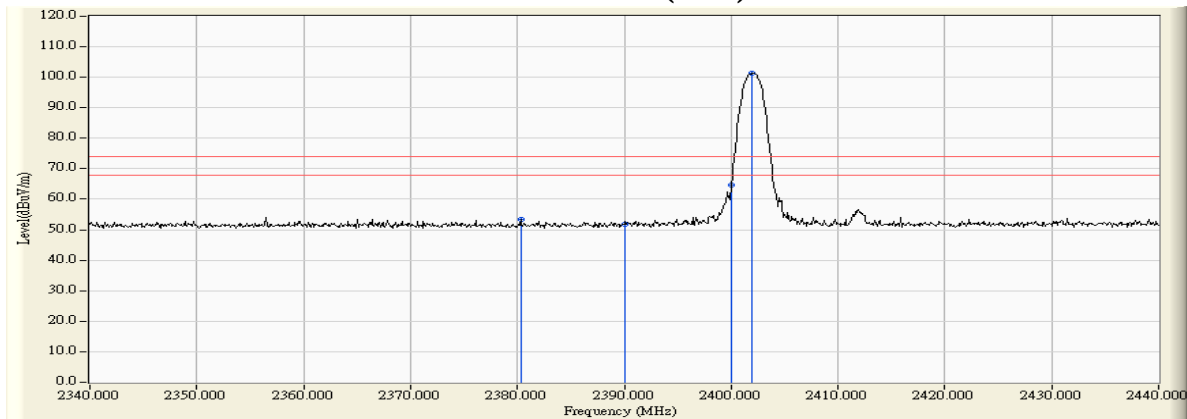
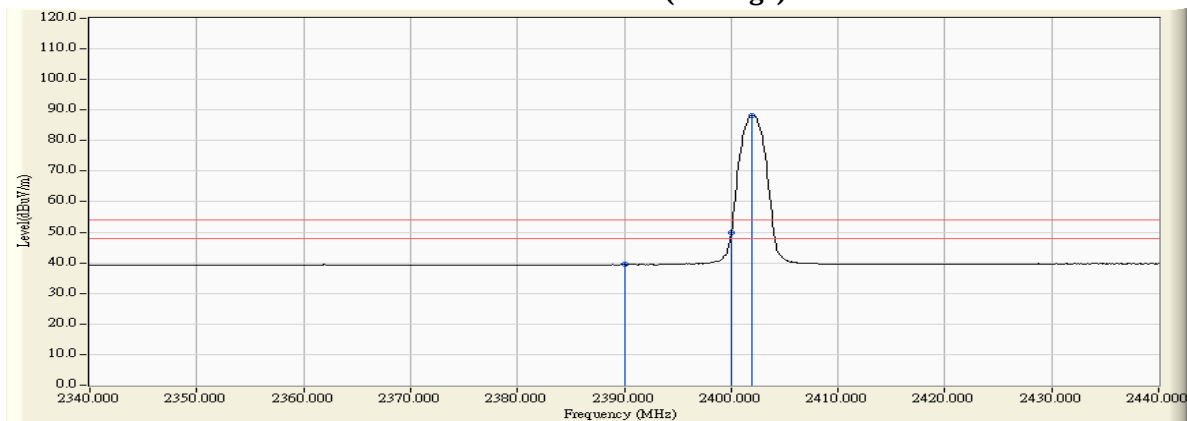
Note:

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.8 CB
 Test date : 2017/10/04
 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)	2380.300	5.921	47.602	53.523	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	45.958	51.839	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	58.847	64.726	--	--	--
00 (Peak)	2402.000	5.884	95.321	101.205	--	--	--
00 (Average)	2390.000	5.880	33.568	39.449	74.000	54.000	Pass
00 (Average)	2400.000	5.879	43.888	49.767	--	--	--
00 (Average)	2402.000	5.884	82.377	88.261	--	--	--

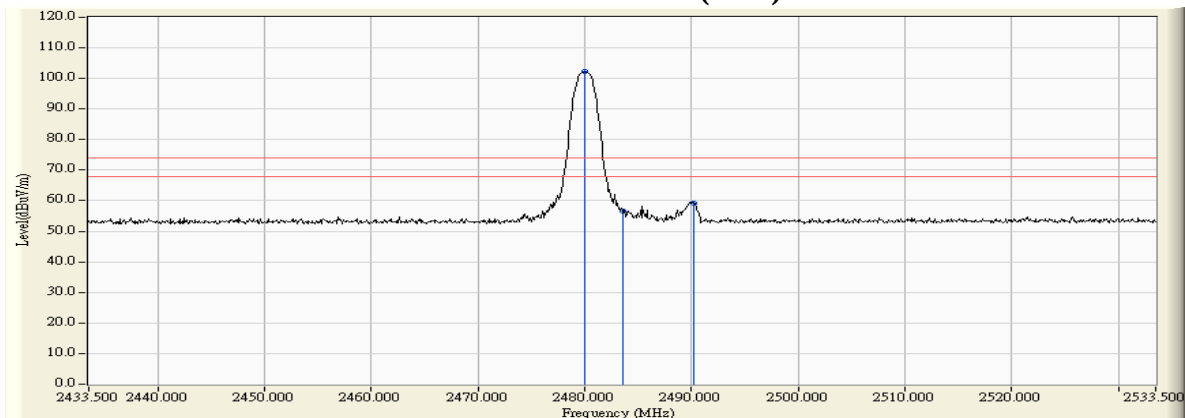
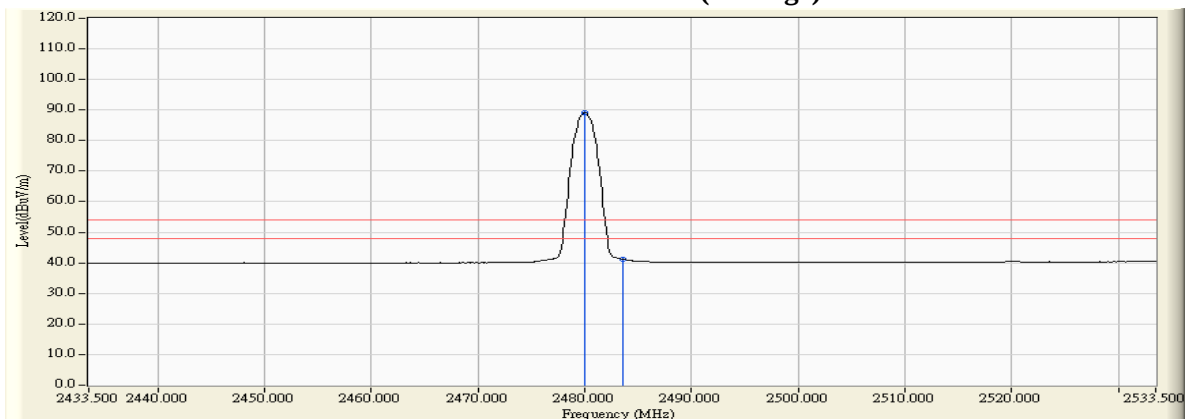
Figure Channel 00:
Vertical (Peak)

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.8 CB
 Test date : 2017/10/04
 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	95.094	102.179	--	--	--
78 (Peak)	2483.500	7.110	49.391	56.501	74.000	54.000	Pass
78 (Peak)	2490.200	7.157	52.146	59.303	74.000	54.000	Pass
78 (Average)	2480.000	7.085	82.057	89.142	--	--	--
78 (Average)	2483.500	7.110	34.188	41.298	74.000	54.000	Pass

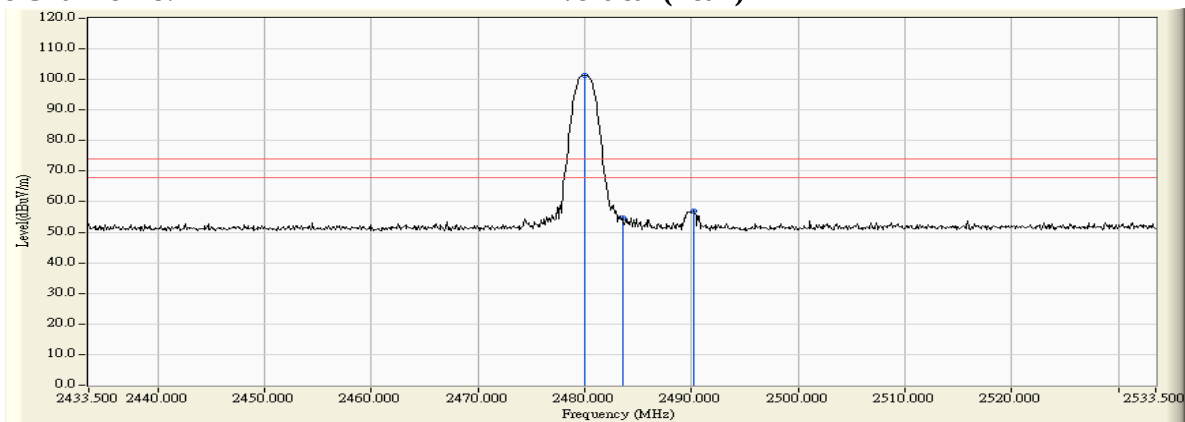
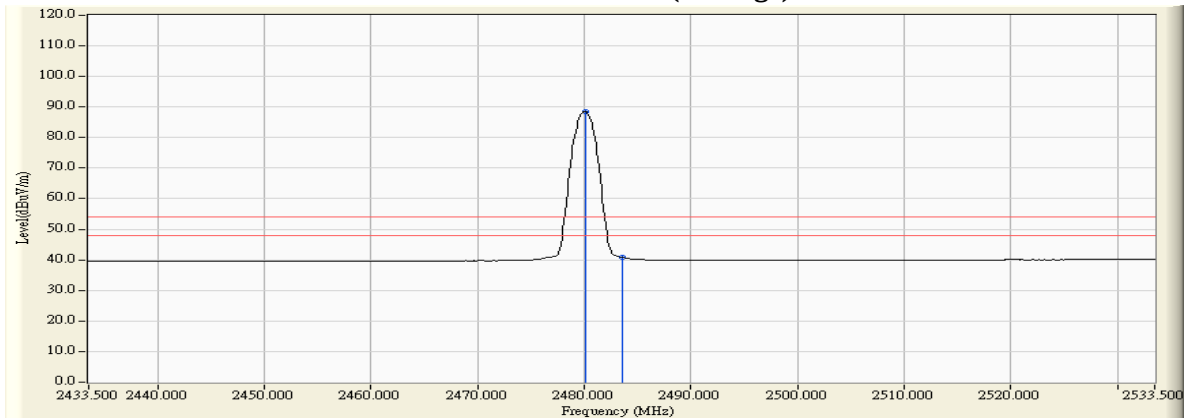
Figure Channel 78:
Horizontal (Peak)

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.8 CB
 Test date : 2017/10/04
 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	95.122	101.463	--	--	--
78 (Peak)	2483.500	6.363	48.284	54.647	74.000	54.000	Pass
78 (Peak)	2490.200	6.405	50.395	56.800	74.000	54.000	Pass
78 (Average)	2480.100	6.342	82.183	88.525	--	--	--
78 (Average)	2483.500	6.363	34.496	40.859	74.000	54.000	Pass

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

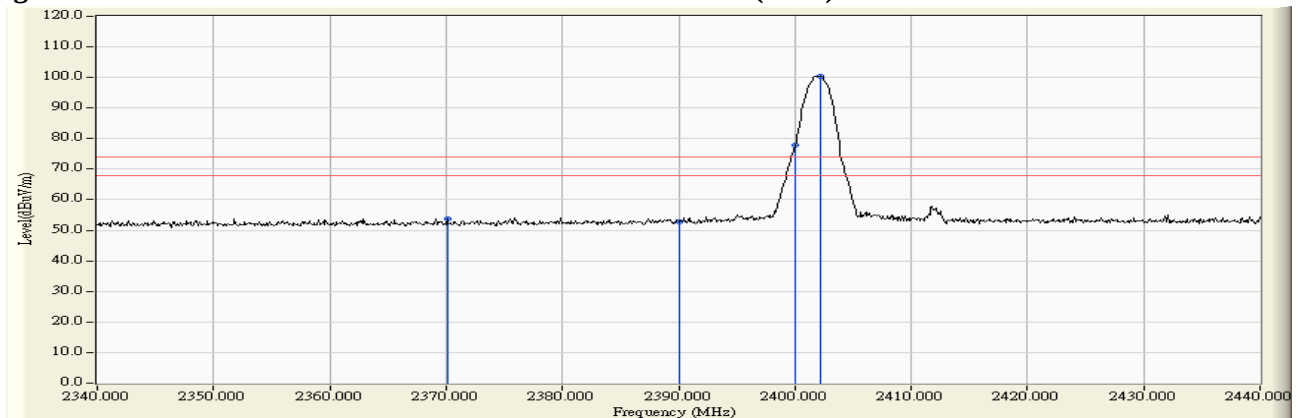
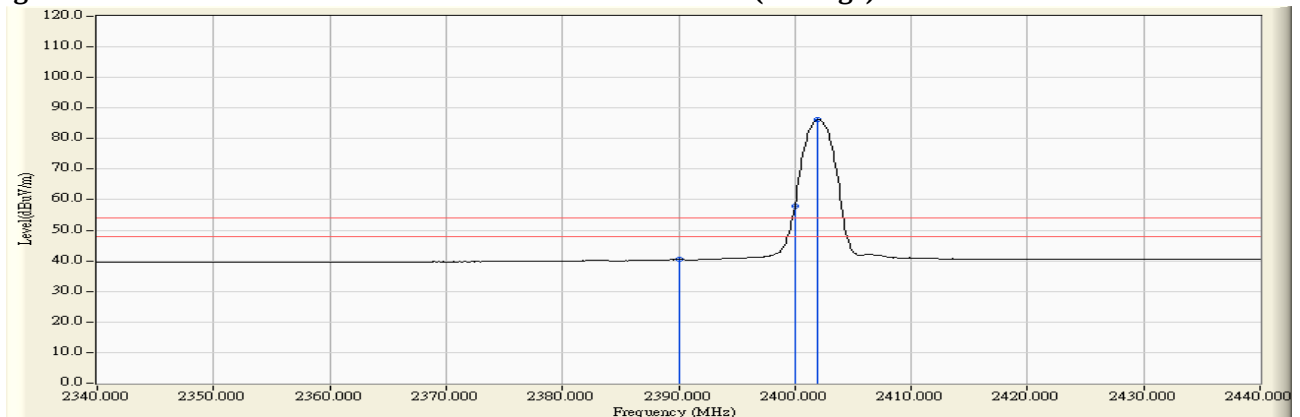
Note:

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 : 2017/10/04
 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)	2370.100	6.386	47.404	53.790	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	46.128	52.603	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	71.178	77.706	--	--	--
00 (Peak)	2402.200	6.541	93.984	100.525	--	--	--
00 (Average)	2390.000	6.474	34.005	40.480	74.000	54.000	Pass
00 (Average)	2400.000	6.528	51.477	58.005	--	--	--
00 (Average)	2402.000	6.540	79.739	86.279	--	--	--

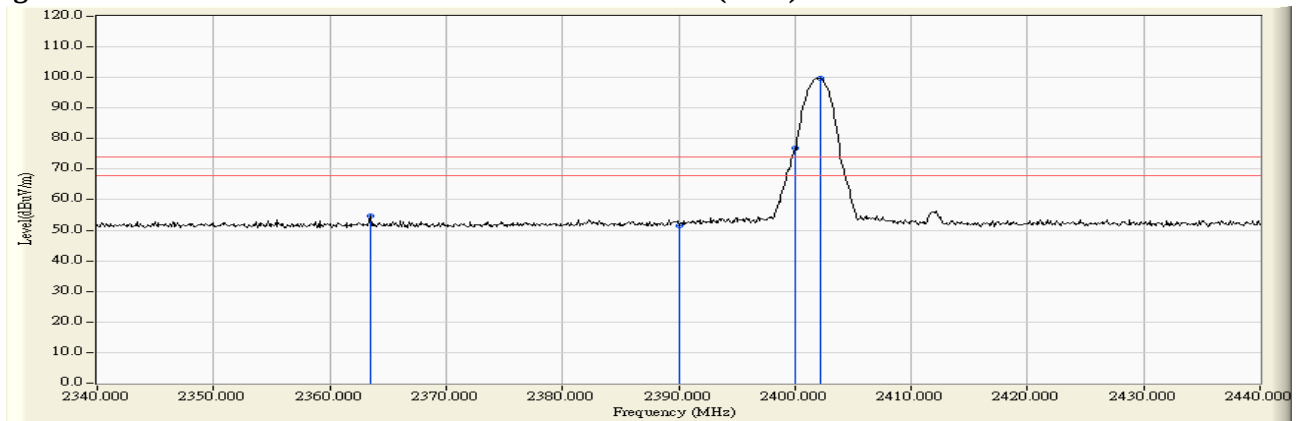
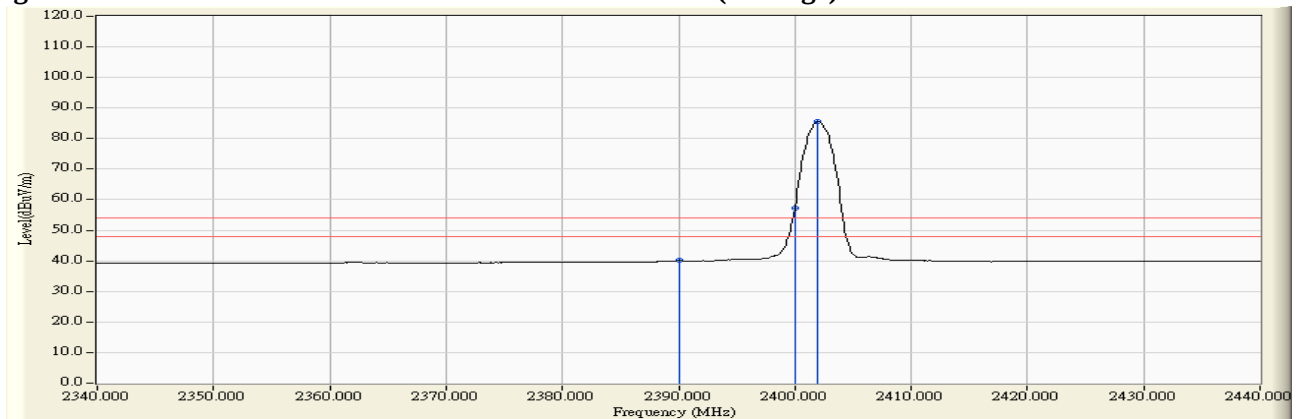
Figure Channel 00: Horizontal (Peak)

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 : 2017/10/04
 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)	2363.500	5.989	48.631	54.620	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	45.662	51.543	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	70.929	76.808	--	--	--
00 (Peak)	2402.200	5.884	93.765	99.649	--	--	--
00 (Average)	2390.000	5.880	34.263	40.144	74.000	54.000	Pass
00 (Average)	2400.000	5.879	51.289	57.168	--	--	--
00 (Average)	2402.000	5.884	79.554	85.438	--	--	--

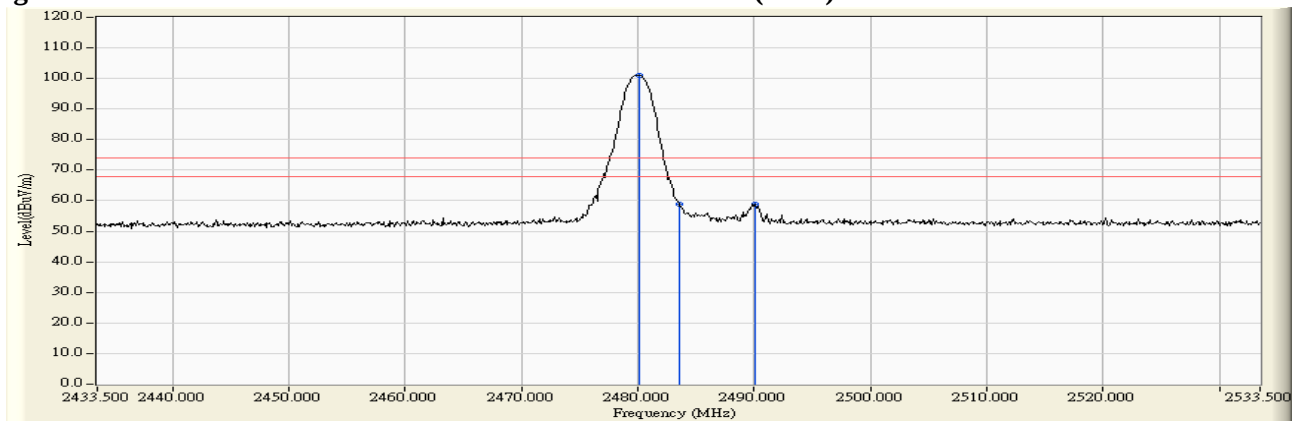
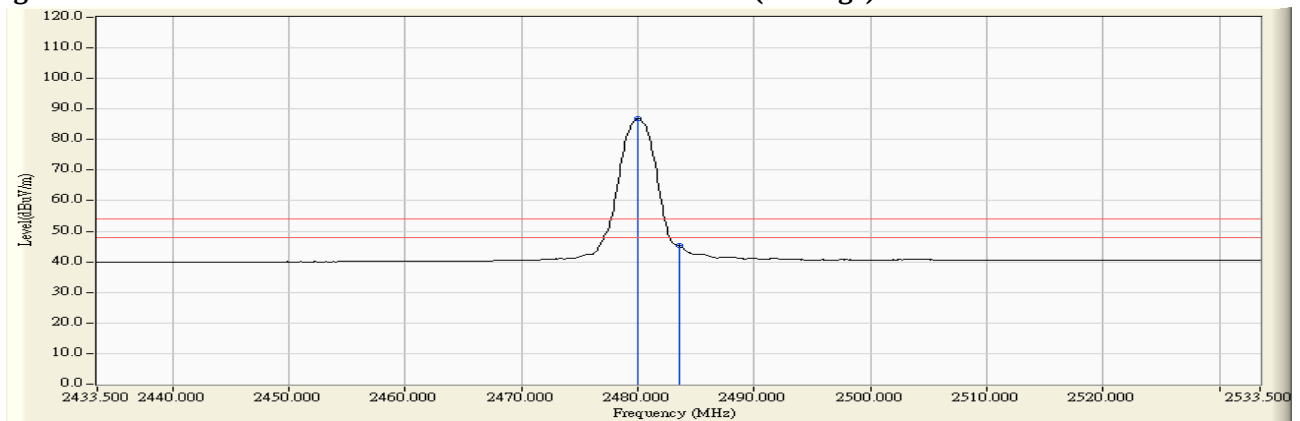
Figure Channel 00:**Vertical (Peak)****Figure Channel 00:****Vertical (Average)****Note:**

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 : 2017/10/04
 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)	2480.100	7.086	94.074	101.160	--	--	--
78 (Peak)	2483.500	7.110	51.852	58.962	74.000	54.000	Pass
78 (Peak)	2490.100	7.157	51.824	58.981	74.000	54.000	Pass
78 (Average)	2480.000	7.085	79.863	86.948	--	--	--
78 (Average)	2483.500	7.110	38.198	45.308	74.000	54.000	Pass

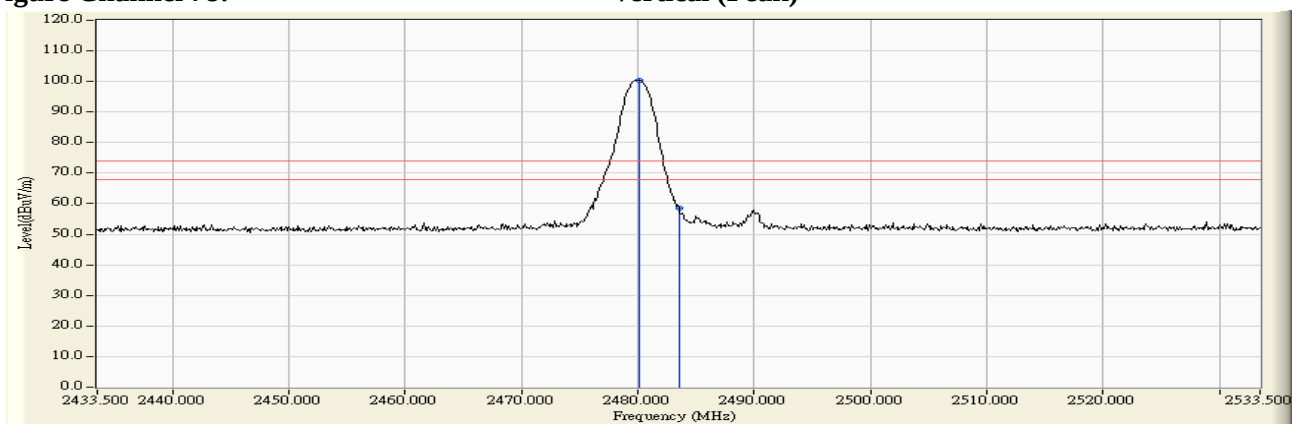
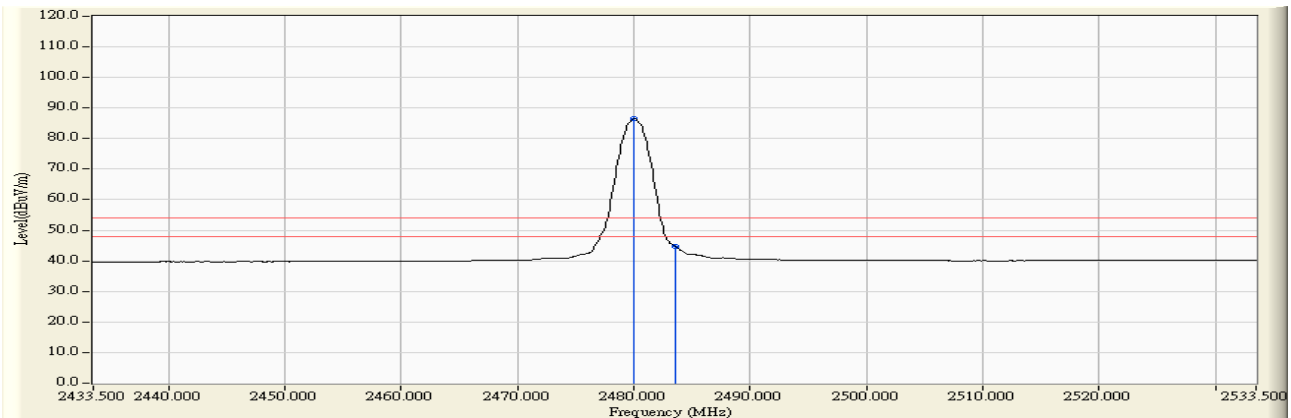
Figure Channel 78: Horizontal (Peak)

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 : 2017/10/04
 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)	2480.100	6.342	94.113	100.455	--	--	--
78 (Peak)	2483.500	6.363	52.095	58.458	74.000	54.000	Pass
78 (Average)	2480.000	6.342	80.078	86.419	--	--	--
78 (Average)	2483.500	6.363	38.478	44.841	74.000	54.000	Pass

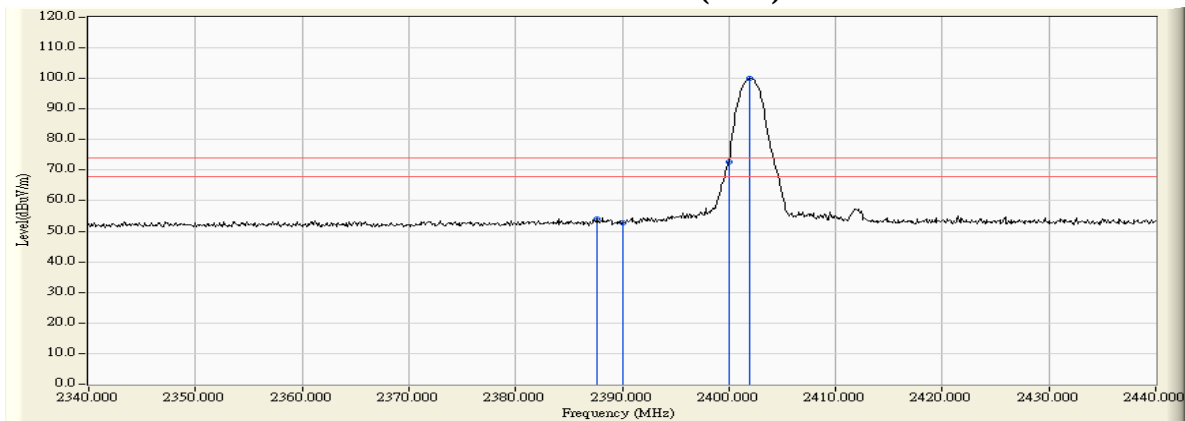
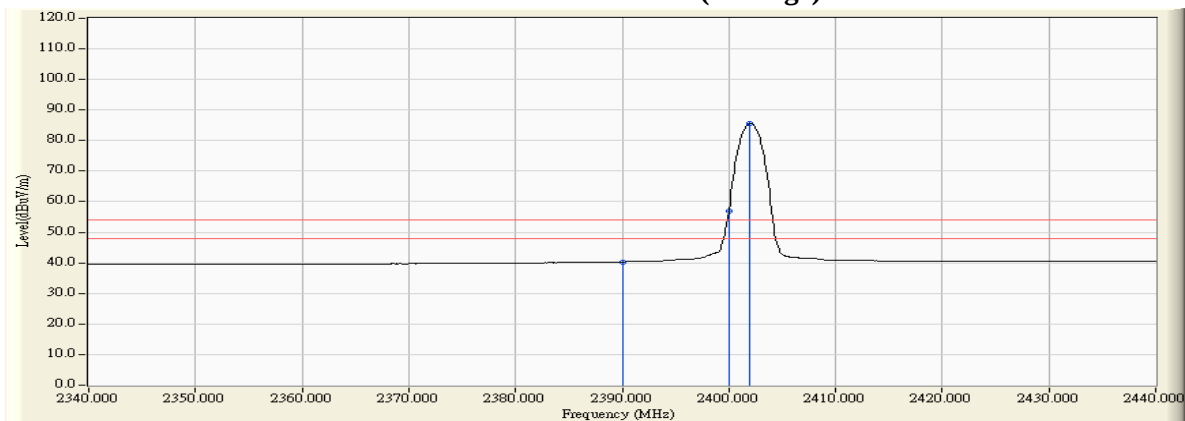
Figure Channel 78:**Vertical (Peak)****Figure Channel 78:****Vertical (Average)****Note:**

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.8 CB
 Test date : 2017/10/04
 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)	2387.600	6.464	47.725	54.189	74.000	54.000	Pass
00 (Peak)	2390.000	6.474	46.283	52.758	74.000	54.000	Pass
00 (Peak)	2400.000	6.528	66.198	72.726	--	--	--
00 (Peak)	2402.000	6.540	93.418	99.958	--	--	--
00 (Average)	2390.000	6.474	33.840	40.315	74.000	54.000	Pass
00 (Average)	2400.000	6.528	50.449	56.977	--	--	--
00 (Average)	2402.000	6.540	78.987	85.527	--	--	--

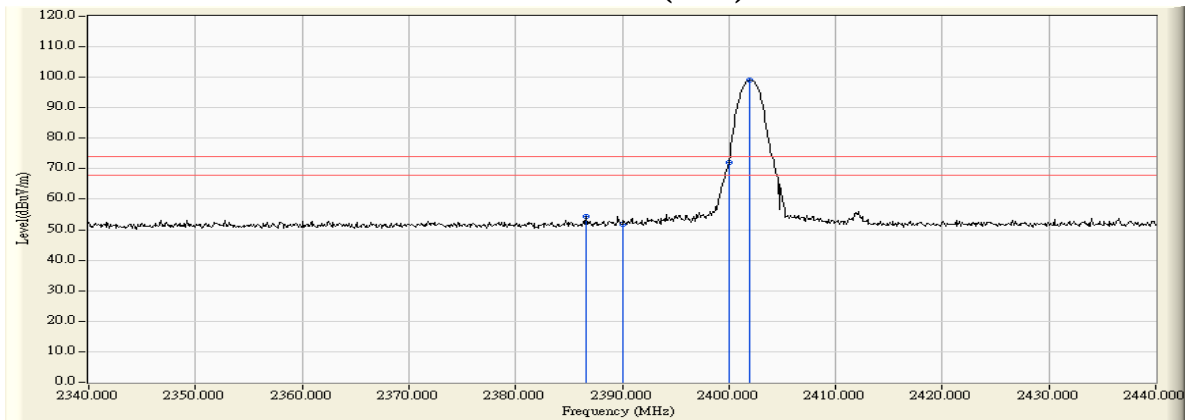
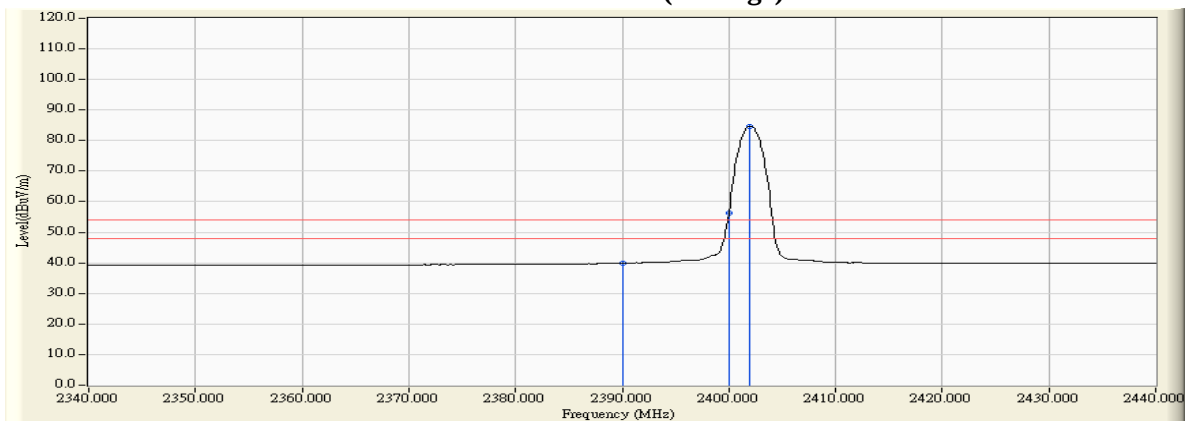
Figure Channel 00:**Horizontal (Peak)****Figure Channel 00:****Horizontal (Average)****Note:**

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.8 CB
 Test date : 2017/10/04
 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)	2386.600	5.895	48.382	54.277	74.000	54.000	Pass
00 (Peak)	2390.000	5.880	45.889	51.770	74.000	54.000	Pass
00 (Peak)	2400.000	5.879	66.035	71.914	--	--	--
00 (Peak)	2402.000	5.884	93.188	99.072	--	--	--
00 (Average)	2390.000	5.880	34.009	39.890	74.000	54.000	Pass
00 (Average)	2400.000	5.879	50.288	56.167	--	--	--
00 (Average)	2402.000	5.884	78.827	84.711	--	--	--

Figure Channel 00: Vertical (Peak)

Figure Channel 00: Vertical (Average)


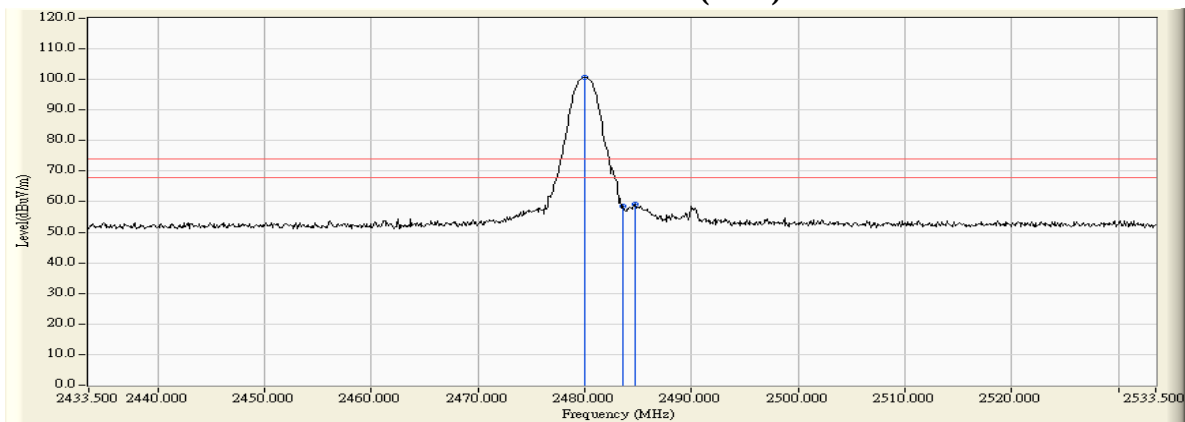
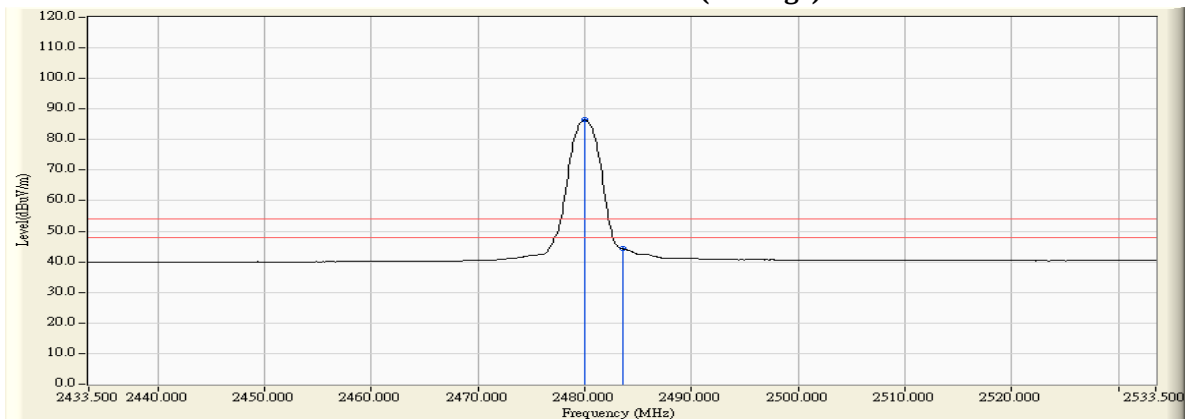
Note:

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.8 CB
 Test date : 2017/10/04
 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	93.716	100.801	--	--	--
78 (Peak)	2483.500	7.110	51.598	58.708	74.000	54.000	Pass
78 (Peak)	2484.700	7.119	52.054	59.172	74.000	54.000	Pass
78 (Average)	2480.000	7.085	79.307	86.392	--	--	--
78 (Average)	2483.500	7.110	37.129	44.239	74.000	54.000	Pass

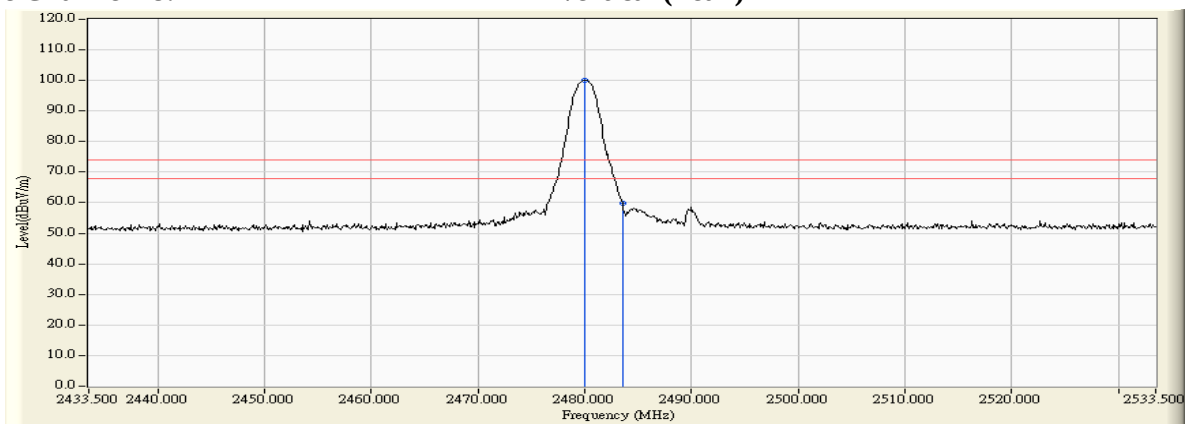
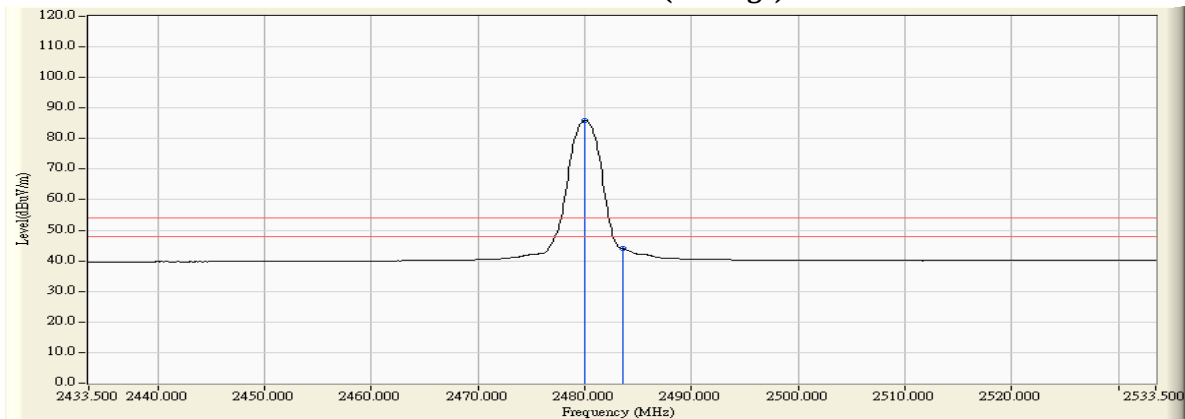
Figure Channel 78:**Horizontal (Peak)****Figure Channel 78:****Horizontal (Average)****Note:**

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.8 CB
 Test date : 2017/10/04
 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	93.820	100.161	--	--	--
78 (Peak)	2483.500	6.363	53.596	59.959	74.000	54.000	Pass
78 (Average)	2480.000	6.342	79.650	85.991	--	--	--
78 (Average)	2483.500	6.363	37.576	43.939	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.

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs