FCC Test Report
(Class II Permissive Change)

Product Name	Intel® Tri-Band Wireless-AC 18265
Model No.	18265NGW
FCC ID.	PD918265NG

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.	1750534R-RFUSP01V00
Report Version	V1.0

Testing Laboratory
3023

Test Report

Issued Date: June 20, 2017
Report No.: 1750534R-RFUSP01V00

Product Name	Intel® Tri-Band Wireless-AC 18265
Applicant	Intel Mobile Communications
Address	100 Center Point Circle, Suite 200 Columbia, South Carolina 29210 USA
Manufacturer	Intel Mobile Communications
Model No.	18265NGW
FCC ID.	PD918265NG
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 : Rita Huang

(Senior Adm. Specialist / Rita 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® Tri-Band Wireless-AC 18265
Trade Name	Intel
Model No.	18265NGW
FCC ID.	PD918265NG
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 2.4 GHz

Note: The antenna of EUT conforms to FCC 15.203.

Center Frequency of Each Channel:

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® Tri-Band Wireless-AC 18265 with a built-in WiGig + 802.11 a/b/g/n/ac Wireless LAN + BDR/EDR 2.1 + BLE 4.2 transceiver, this report for Bluetooth BDR/EDR 2.1.
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: PD918265NG, originally granted on 11/16/2016.

   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 Mode 2: Transmit - 2Mbps Mode 3: Transmit - 3Mbps

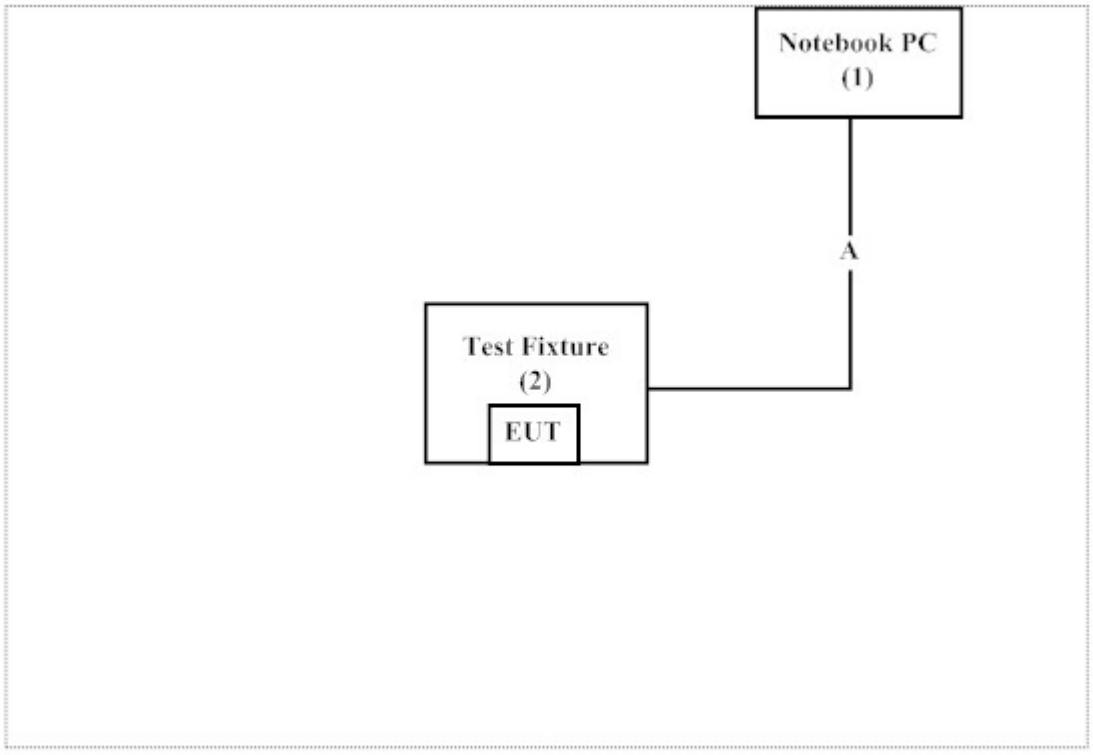
1.3. Tested System Details

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	N/A
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 in Section 1.4.
2. Execute software ” DRTU (Ver 1.9.0-03789)” on the Notebook PC.
3. Configure the test mode, the test channel, and the data rate.
4. Press “OK” to start the continuous Transmit.
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/english/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/index_en.aspx

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

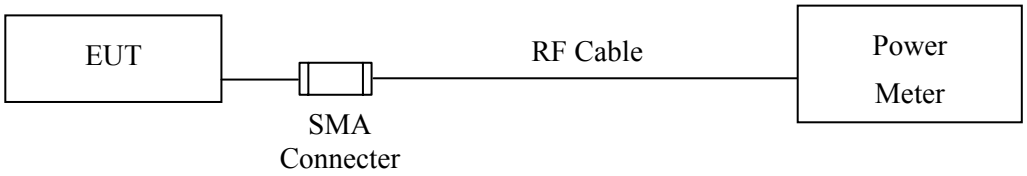
1.7. List of Test Equipment

	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® Tri-Band Wireless-AC 18265
Test Item : Peak Power Output
Test date : 2017/06/12
Test Mode : Mode 1: Transmit - 1Mbps

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	10.28	1 Watt= 30 dBm	Pass
Channel 39	2441.00	12.18	1 Watt= 30 dBm	Pass
Channel 78	2480.00	10.78	1 Watt= 30 dBm	Pass

Product : Intel® Tri-Band Wireless-AC 18265
Test Item : Peak Power Output
Test date : 2017/06/12
Test Mode : Mode 2: Transmit - 2Mbps

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	9.73	1 Watt= 30 dBm	Pass
Channel 39	2441.00	11.52	1 Watt= 30 dBm	Pass
Channel 78	2480.00	10.18	1 Watt= 30 dBm	Pass

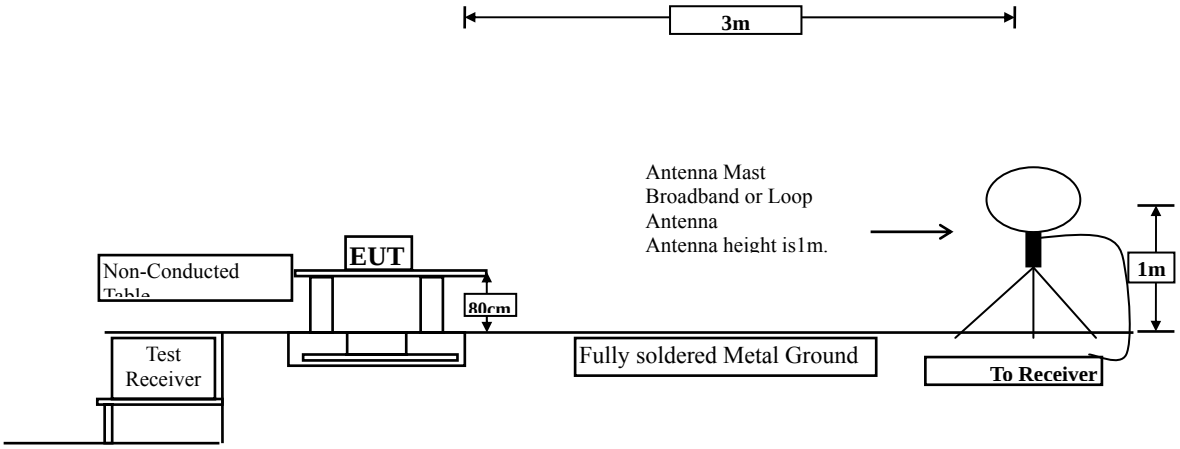
Product : Intel® Tri-Band Wireless-AC 18265
Test Item : Peak Power Output
Test date : 2017/06/12
Test Mode : Mode 3: Transmit - 3Mbps

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402.00	9.32	1 Watt= 30 dBm	Pass
Channel 39	2441.00	11.20	1 Watt= 30 dBm	Pass
Channel 78	2480.00	9.76	1 Watt= 30 dBm	Pass

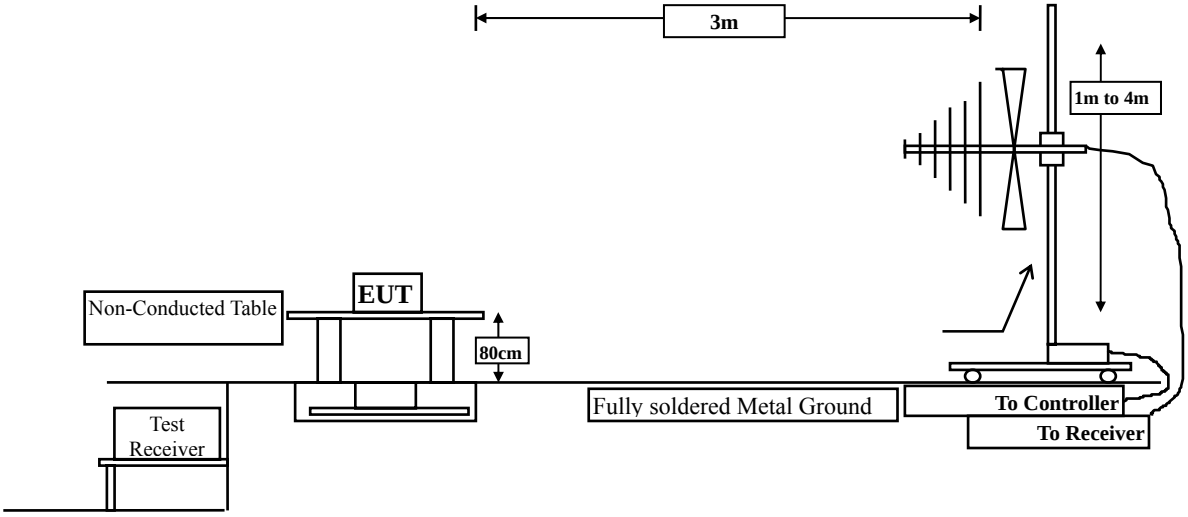
3. Radiated Emission

3.1. Test Setup

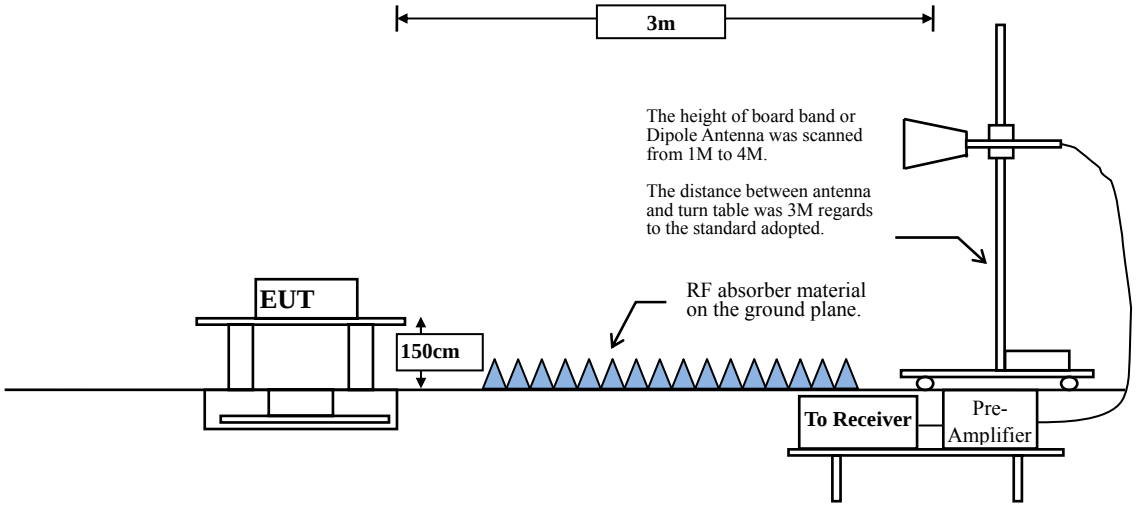
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission 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	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

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® Tri-Band Wireless-AC 18265
Test Item : Harmonic Radiated Emission
Test date : 2017/06/12
Test Mode : Mode 1: Transmit - 1Mbps (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	56.426	46.530	-27.470	74.000
7206.000	-5.013	53.043	48.030	-25.970	74.000
9608.000	-1.472	49.850	48.379	-25.621	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	51.430	44.845	-29.155	74.000
7206.000	-4.144	51.420	47.276	-26.724	74.000
9608.000	-1.075	49.630	48.556	-25.444	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® Tri-Band Wireless-AC 18265
Test Item	:	Harmonic Radiated Emission
Test date	:	2017/06/12
Test Mode	:	Mode 1: Transmit - 1Mbps (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	51.420	41.102	-32.898	74.000
7323.000	-3.858	50.840	46.982	-27.018	74.000
9764.000	-2.596	47.935	45.339	-28.661	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	53.105	45.499	-28.501	74.000
7323.000	-2.977	50.740	47.764	-26.236	74.000
9764.000	-2.131	50.163	48.032	-25.968	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® Tri-Band Wireless-AC 18265
Test Item	:	Harmonic Radiated Emission
Test date	:	2017/06/12
Test Mode	:	Mode 1: Transmit - 1Mbps (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	53.280	42.615	-31.385	74.000
7440.000	-3.631	49.750	46.119	-27.881	74.000
9920.000	-2.397	48.610	46.213	-27.787	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	54.390	46.522	-27.478	74.000
7440.000	-2.772	49.820	47.048	-26.952	74.000
9920.000	-1.895	49.730	47.835	-26.165	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® Tri-Band Wireless-AC 18265
Test Item : Harmonic Radiated Emission
Test date : 2017/06/12
Test Mode : Mode 2: Transmit - 2Mbps (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	53.250	43.354	-30.646	74.000
7206.000	-5.013	51.420	46.407	-27.593	74.000
9608.000	-1.472	49.360	47.889	-26.111	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	52.750	46.165	-27.835	74.000
7206.000	-4.144	50.490	46.346	-27.654	74.000
9608.000	-1.075	49.720	48.646	-25.354	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® Tri-Band Wireless-AC 18265
Test Item : Harmonic Radiated Emission
Test date : 2017/06/12
Test Mode : Mode 2: Transmit - 2Mbps (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	53.790	43.472	-30.528	74.000
7323.000	-3.858	50.430	46.572	-27.428	74.000
9764.000	-2.596	47.490	44.894	-29.106	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	53.120	45.514	-28.486	74.000
7323.000	-2.977	50.460	47.484	-26.516	74.000
9764.000	-2.131	48.430	46.299	-27.701	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® Tri-Band Wireless-AC 18265
Test Item : Harmonic Radiated Emission
Test date : 2017/06/12
Test Mode : Mode 2: Transmit - 2Mbps (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	52.610	41.945	-32.055	74.000
7440.000	-3.631	50.820	47.189	-26.811	74.000
9920.000	-2.397	48.760	46.363	-27.637	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	53.280	45.412	-28.588	74.000
7440.000	-2.772	50.422	47.650	-26.350	74.000
9920.000	-1.895	50.163	48.268	-25.732	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® Tri-Band Wireless-AC 18265
Test Item : Harmonic Radiated Emission
Test date : 2017/06/12
Test Mode : Mode 3: Transmit - 3Mbps (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	53.140	43.244	-30.756	74.000
7206.000	-5.013	52.950	47.937	-26.063	74.000
9608.000	-1.472	47.670	46.199	-27.801	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4804.000	-6.585	52.710	46.125	-27.875	74.000
7206.000	-4.144	51.680	47.536	-26.464	74.000
9608.000	-1.075	48.130	47.056	-26.944	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® Tri-Band Wireless-AC 18265
Test Item : Harmonic Radiated Emission
Test date : 2017/06/12
Test Mode : Mode 3: Transmit - 3Mbps (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	52.120	41.802	-32.198	74.000
7323.000	-3.858	50.390	46.532	-27.468	74.000
9764.000	-2.596	50.230	47.634	-26.366	74.000
Average					
Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4882.000	-7.606	54.130	46.524	-27.476	74.000
7323.000	-2.977	50.820	47.844	-26.156	74.000
9764.000	-2.131	50.270	48.139	-25.861	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® Tri-Band Wireless-AC 18265
Test Item : Harmonic Radiated Emission
Test date : 2017/06/12
Test Mode : Mode 3: Transmit - 3Mbps (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	52.190	41.525	-32.475	74.000
7440.000	-3.631	50.720	47.089	-26.911	74.000
9920.000	-2.397	50.136	47.739	-26.261	74.000
Average Detector:					
--	--	--	--	--	54.000
Vertical					
Peak Detector:					
4960.000	-7.869	54.165	46.297	-27.703	74.000
7440.000	-2.772	52.428	49.656	-24.344	74.000
9920.000	-1.895	50.152	48.257	-25.743	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® Tri-Band Wireless-AC 18265
Test Item : General Radiated Emission
Test date : 2017/06/06
Test Mode : Mode 1: Transmit - 1Mbps (2441MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
141.058	-19.810	49.980	30.170	-13.330	43.500
277.420	-15.164	38.209	23.044	-22.956	46.000
444.710	-12.689	34.139	21.450	-24.550	46.000
638.710	-8.426	30.809	22.383	-23.617	46.000
839.739	-4.963	35.218	30.255	-15.745	46.000
928.304	-3.101	31.302	28.200	-17.800	46.000
Vertical					
134.029	-13.907	46.628	32.721	-10.779	43.500
315.377	-16.367	35.531	19.164	-26.836	46.000
467.203	-14.454	39.841	25.387	-20.613	46.000
655.580	-14.189	32.598	18.409	-27.591	46.000
831.304	-7.574	32.562	24.988	-21.012	46.000
940.957	-3.434	31.843	28.408	-17.592	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® Tri-Band Wireless-AC 18265
Test Item : General Radiated Emission
Test date : 2017/06/06
Test Mode : Mode 2: Transmit - 2Mbps (2441MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
153.710	-19.442	47.546	28.105	-15.395	43.500
274.609	-15.164	37.636	22.472	-23.528	46.000
444.710	-12.689	36.139	23.450	-22.550	46.000
668.232	-7.953	27.303	19.350	-26.650	46.000
817.246	-4.657	31.495	26.838	-19.162	46.000
935.333	-3.554	32.685	29.131	-16.869	46.000
Vertical					
153.710	-15.562	46.547	30.985	-12.515	43.500
315.377	-16.367	34.031	17.664	-28.336	46.000
489.696	-12.802	38.464	25.662	-20.338	46.000
648.551	-14.795	33.939	19.144	-26.856	46.000
849.580	-9.529	34.501	24.972	-21.028	46.000
974.696	-7.464	34.311	26.847	-27.153	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® Tri-Band Wireless-AC 18265
Test Item : General Radiated Emission
Test date : 2017/06/06
Test Mode : Mode 3: Transmit - 3Mbps (2441MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
141.058	-19.810	46.980	27.170	-16.330	43.500
288.667	-14.005	35.011	21.007	-24.993	46.000
419.406	-12.834	32.608	19.774	-26.226	46.000
627.464	-8.257	30.898	22.641	-23.359	46.000
818.652	-4.463	31.521	27.058	-18.942	46.000
925.493	-3.657	30.544	26.887	-19.113	46.000
Vertical					
139.652	-15.440	45.791	30.351	-13.149	43.500
318.188	-16.381	34.197	17.816	-28.184	46.000
470.014	-14.376	40.065	25.689	-20.311	46.000
648.551	-14.795	32.045	17.250	-28.750	46.000
831.304	-7.574	34.562	26.988	-19.012	46.000
915.652	-9.060	36.721	27.661	-18.339	46.000

Note:

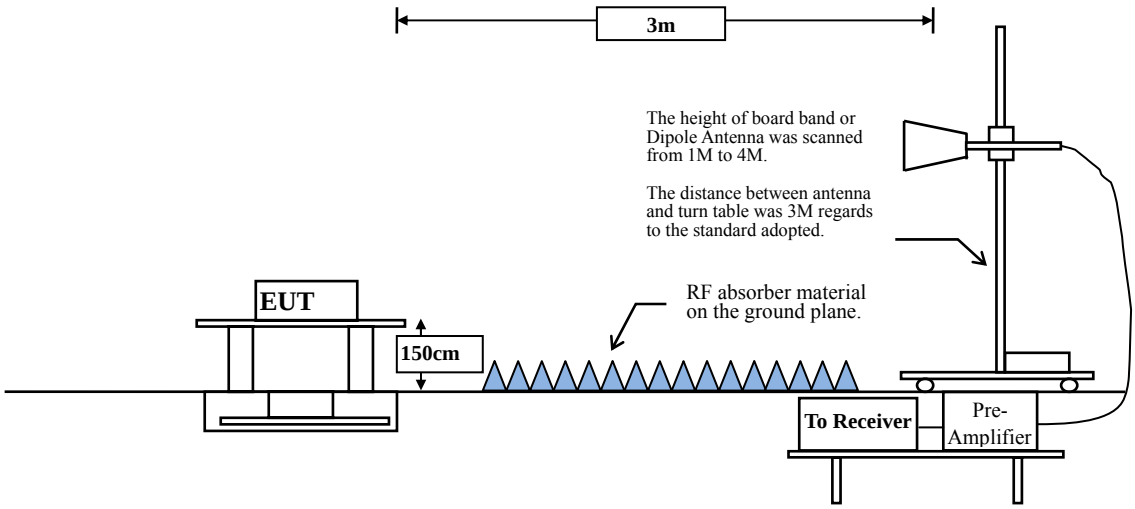
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. 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.

4. Band Edge

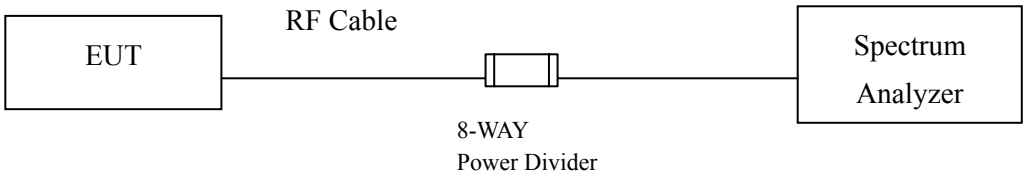
4.1. Test Setup

RF Radiated Measurement:

Above 1GHz



RF Conducted Measurement



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 1: Transmit - 1Mbps (2402MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
00 (Peak)	2388.900	6.470	46.811	53.281	74.00	54.00	Pass
00 (Peak)	2390.000	6.474	46.635	53.110	74.00	54.00	Pass
00 (Peak)	2400.000	6.528	54.977	61.505	--	--	--
00 (Peak)	2402.200	6.541	85.483	92.024	--	--	--
00 (Average)	2390.000	6.474	33.460	39.935	74.00	54.00	Pass
00 (Average)	2400.000	6.528	38.212	44.740	--	--	--
00 (Average)	2402.000	6.540	74.450	80.990	--	--	--

Figure Channel 00: Horizontal (Peak)

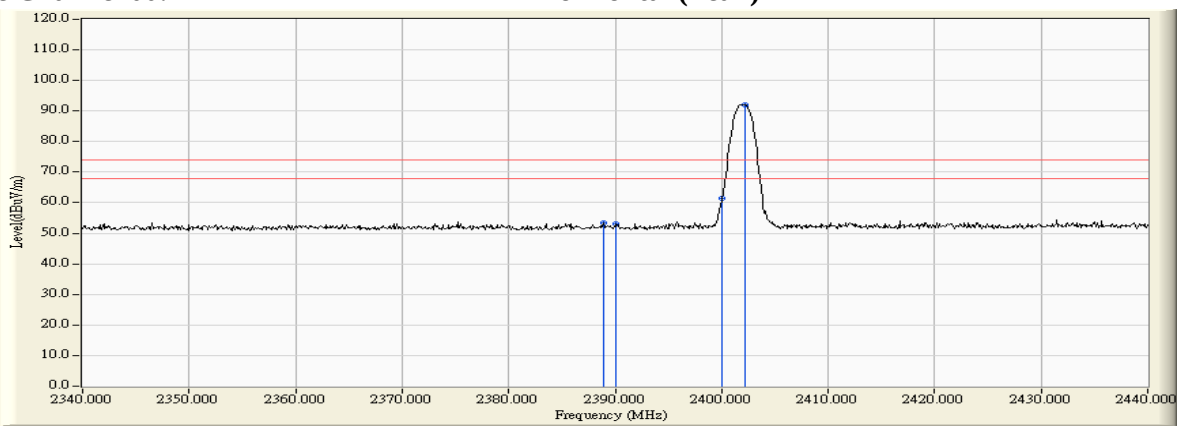
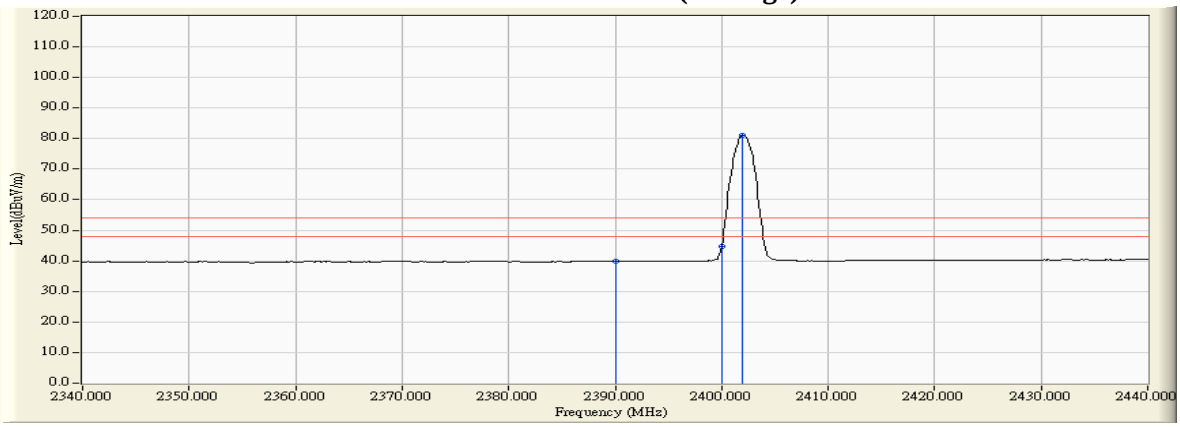


Figure Channel 00: Horizontal (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 1: Transmit - 1Mbps (2402MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Arerage Limit (dBµV/m)	Result
00 (Peak)	2378.600	5.928	47.671	53.599	74.00	54.00	Pass
00 (Peak)	2390.000	5.880	45.701	51.582	74.00	54.00	Pass
00 (Peak)	2400.000	5.879	66.206	72.085	--	--	--
00 (Peak)	2402.100	5.884	97.519	103.403	--	--	--
00 (Average)	2362.100	5.995	34.172	40.167	74.00	54.00	Pass
00 (Average)	2390.000	5.880	33.809	39.690	74.00	54.00	Pass
00 (Average)	2400.000	5.879	45.738	51.617	--	--	--
00 (Average)	2402.000	5.884	84.191	90.075	--	--	--

Figure Channel 00: VERTICAL (Peak)

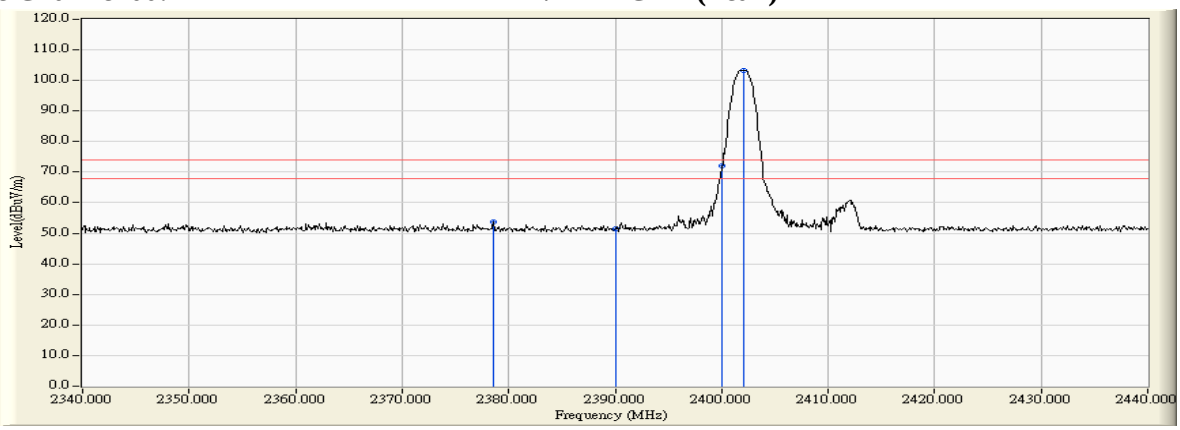
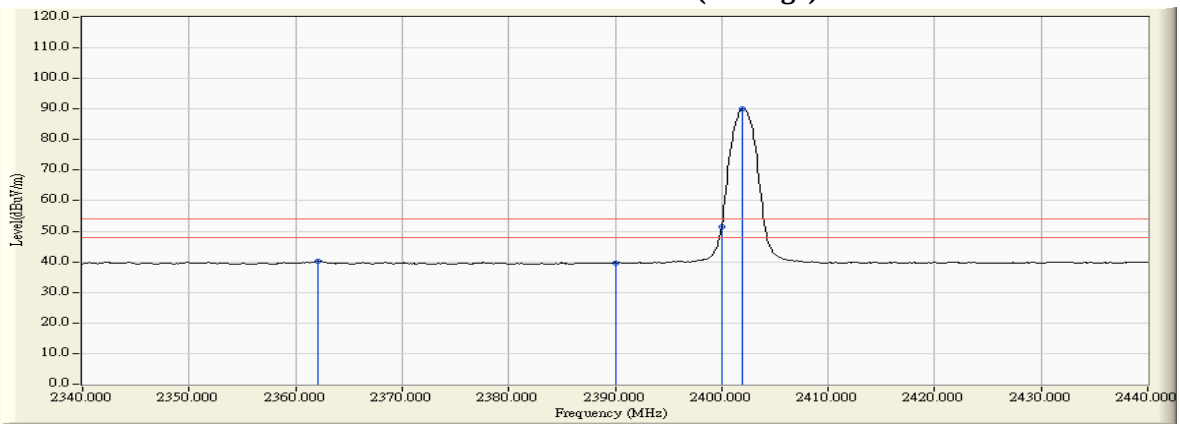


Figure Channel 00: VERTICAL (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 1: Transmit - 1Mbps (2480MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
78 (Peak)	2480.000	7.085	90.350	97.435	--	--	Pass
78 (Peak)	2483.500	7.110	47.110	54.220	74.00	54.00	Pass
78 (Peak)	2492.100	7.171	48.483	55.654	74.00	54.00	Pass
78 (Average)	2480.000	7.085	78.354	85.439	--	--	Pass
78 (Average)	2483.500	7.110	34.252	41.362	74.00	54.00	Pass

Figure Channel 78: Horizontal (Peak)

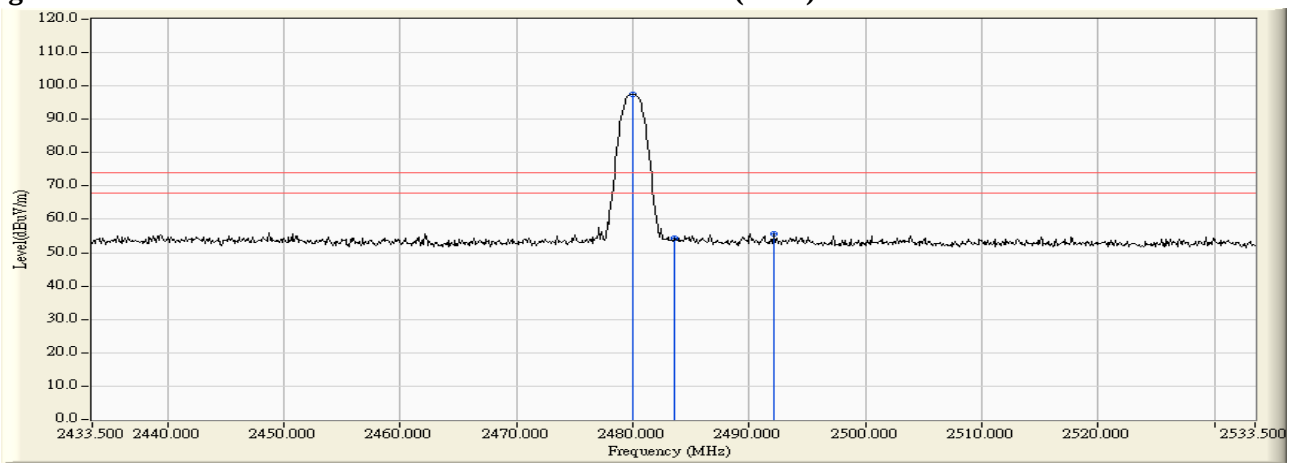
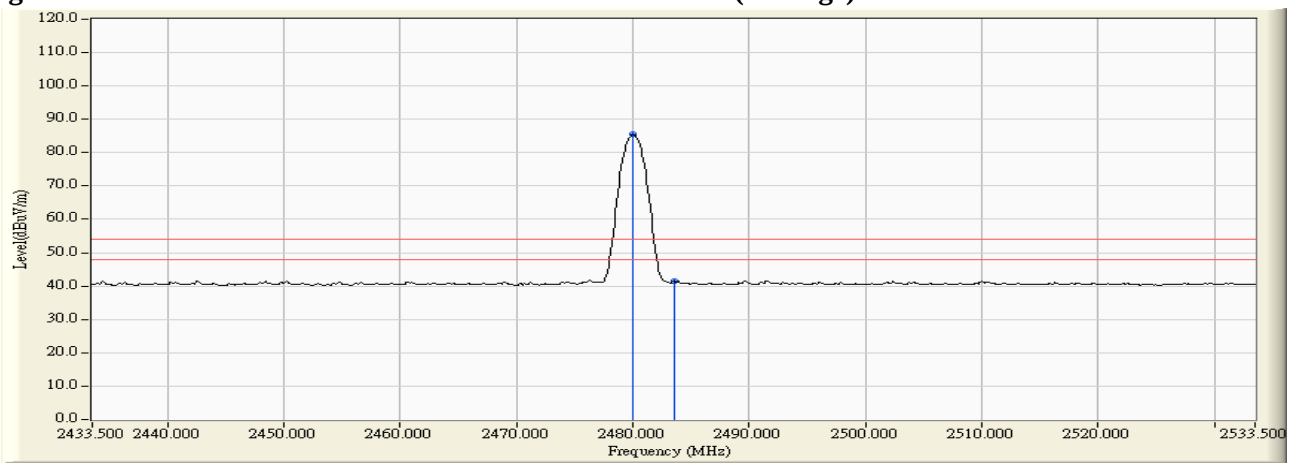


Figure Channel 78: Horizontal (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 1: Transmit - 1Mbps (2480MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
78 (Peak)	2480.000	6.342	104.142	110.483	--	--	Pass
78 (Peak)	2483.500	6.363	58.248	64.611	74.00	54.00	Pass
78 (Average)	2480.000	6.342	89.457	95.798	--	--	Pass
78 (Average)	2483.500	6.363	38.007	44.370	74.00	54.00	Pass

Figure Channel 78: VERTICAL (Peak)

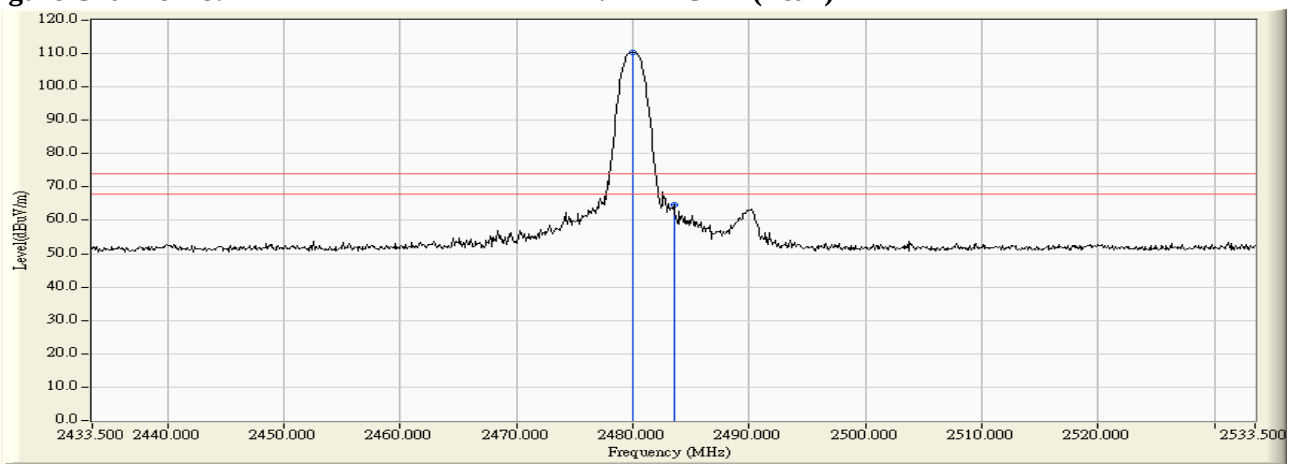
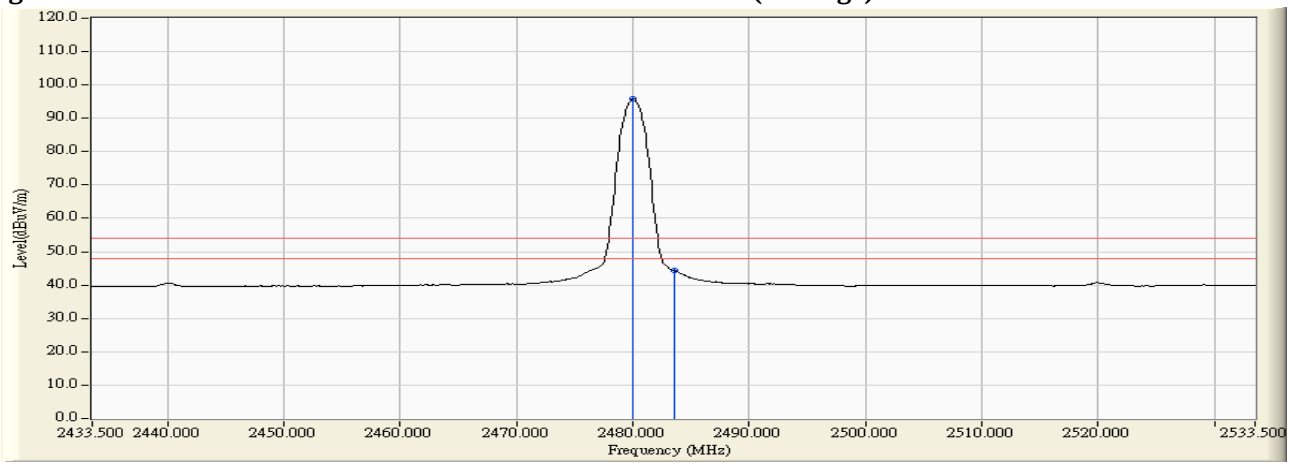


Figure Channel 78: VERTICAL (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 2: Transmit - 2Mbps (2402MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
00 (Peak)	2376.800	6.417	47.008	53.424	74.00	54.00	Pass
00 (Peak)	2390.000	6.474	45.266	51.741	74.00	54.00	Pass
00 (Peak)	2400.000	6.528	64.921	71.449	--	--	--
00 (Peak)	2402.200	6.541	85.293	91.834	--	--	--
00 (Average)	2390.000	6.474	33.454	39.929	74.00	54.00	Pass
00 (Average)	2400.000	6.528	46.755	53.283	--	--	--
00 (Average)	2402.000	6.540	72.239	78.779	--	--	--

Figure Channel 00: Horizontal (Peak)

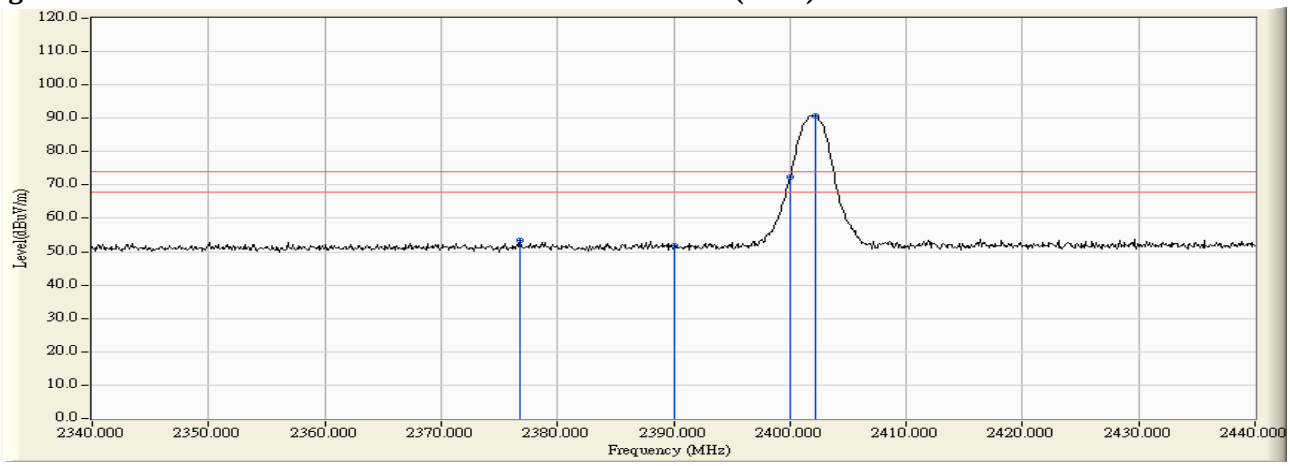
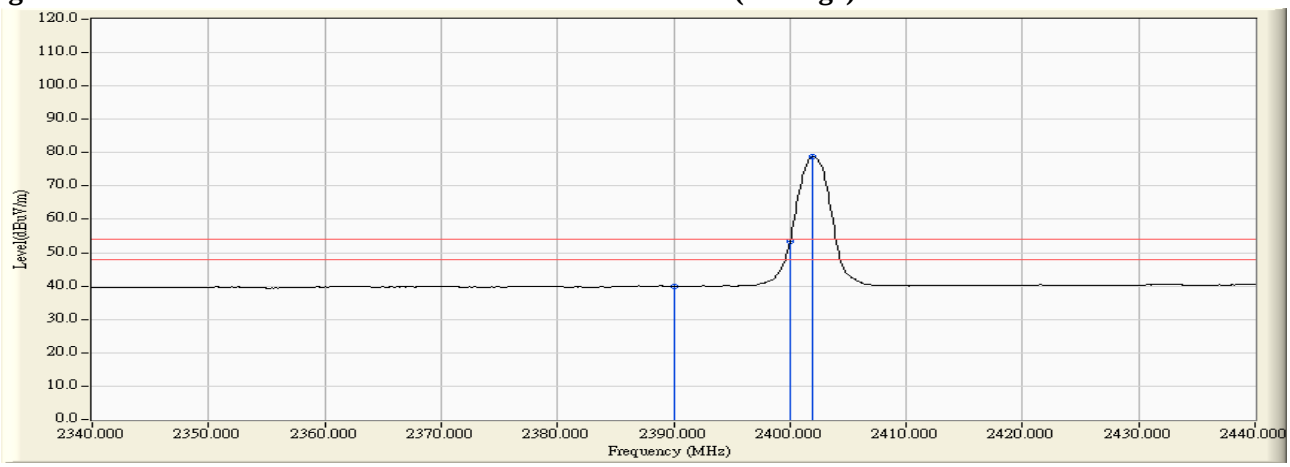


Figure Channel 00: Horizontal (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 2: Transmit - 2Mbps (2402MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
00 (Peak)	2377.300	5.934	48.277	54.210	74.00	54.00	Pass
00 (Peak)	2390.000	5.880	46.216	52.097	74.00	54.00	Pass
00 (Peak)	2400.000	5.879	77.015	82.894	--	--	--
00 (Peak)	2402.100	5.884	97.263	103.147	--	--	--
00 (Average)	2390.000	5.880	34.474	40.355	74.00	54.00	Pass
00 (Average)	2400.000	5.879	56.557	62.436	--	--	--
00 (Average)	2402.000	5.884	82.730	88.614	--	--	--

Figure Channel 00: VERTICAL (Peak)

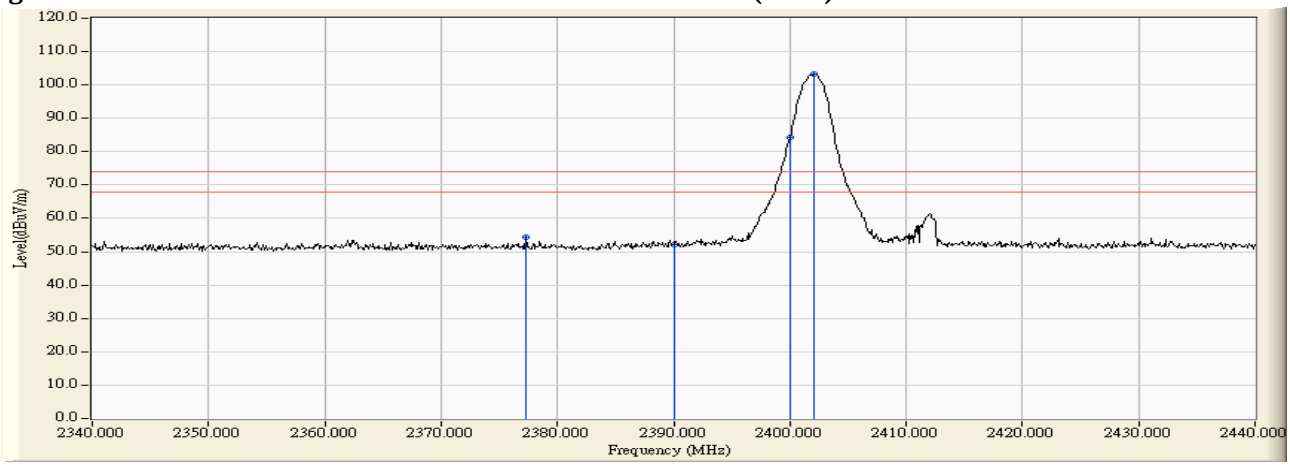
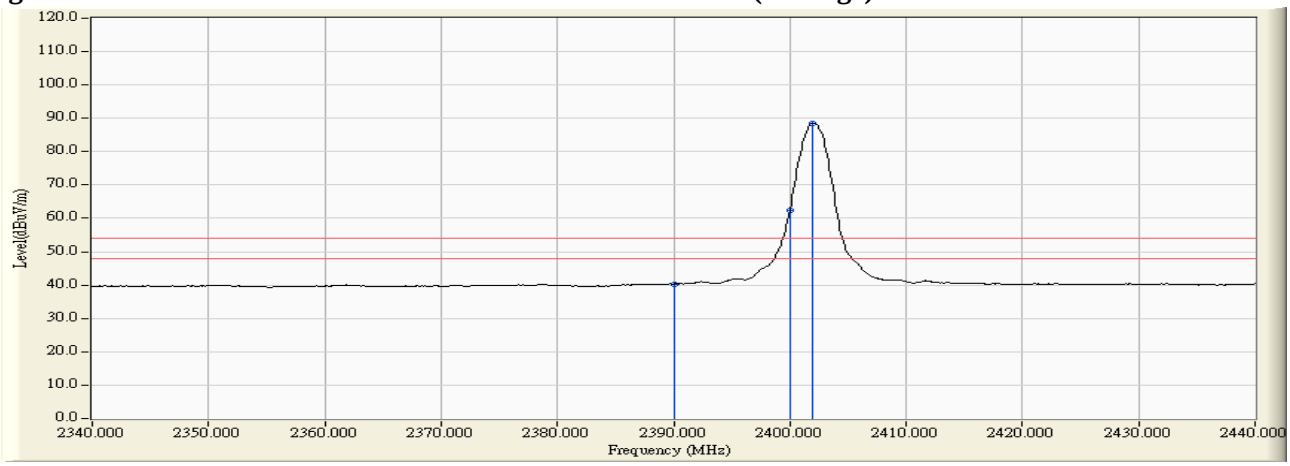


Figure Channel 00: VERTICAL (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 2: Transmit - 2Mbps (2480MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
78 (Peak)	2480.200	7.087	89.198	96.285	--	--	Pass
78 (Peak)	2483.500	7.110	45.857	52.967	74.00	54.00	Pass
78 (Peak)	2512.600	7.162	47.729	54.891	74.00	54.00	Pass
78 (Average)	2480.000	7.085	76.015	83.100	--	--	Pass
78 (Average)	2483.500	7.110	34.714	41.824	74.00	54.00	Pass

Figure Channel 78: Horizontal (Peak)

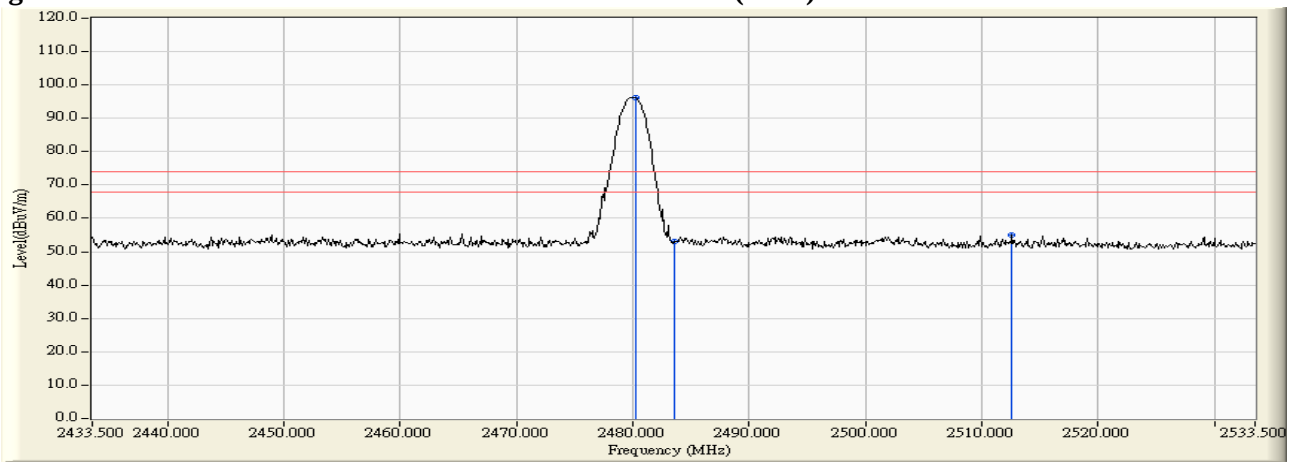
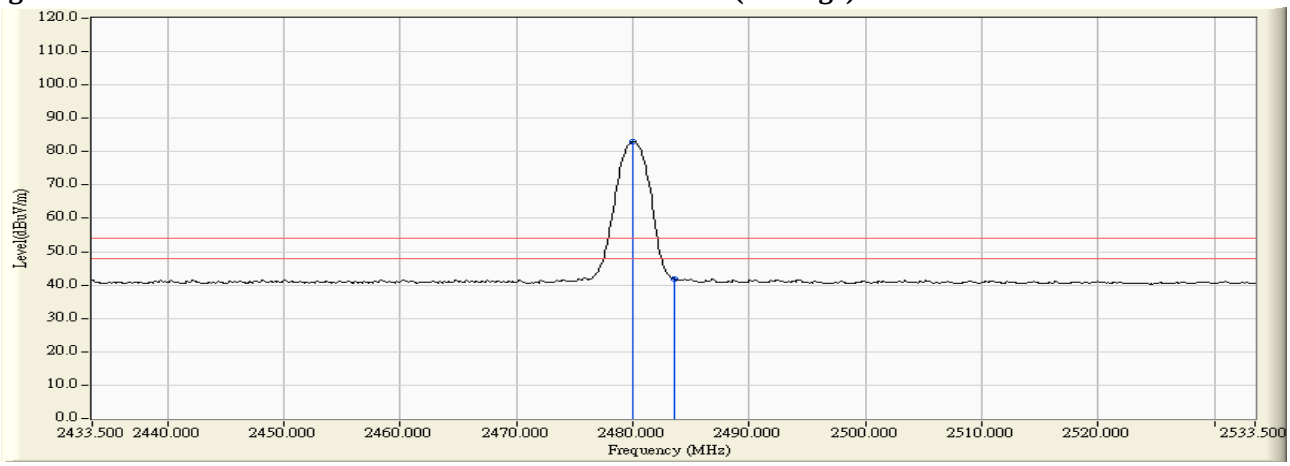


Figure Channel 78: Horizontal (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 2: Transmit - 2Mbps (2480MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
78 (Peak)	2479.800	6.341	103.137	109.477	--	--	Pass
78 (Peak)	2483.500	6.363	54.356	60.719	74.00	54.00	Pass
78 (Peak)	2490.000	6.404	56.751	63.155	74.00	54.00	Pass
78 (Average)	2480.000	6.342	87.273	93.614	--	--	Pass
78 (Average)	2483.500	6.363	41.426	47.789	74.00	54.00	Pass

Figure Channel 78: VERTICAL (Peak)

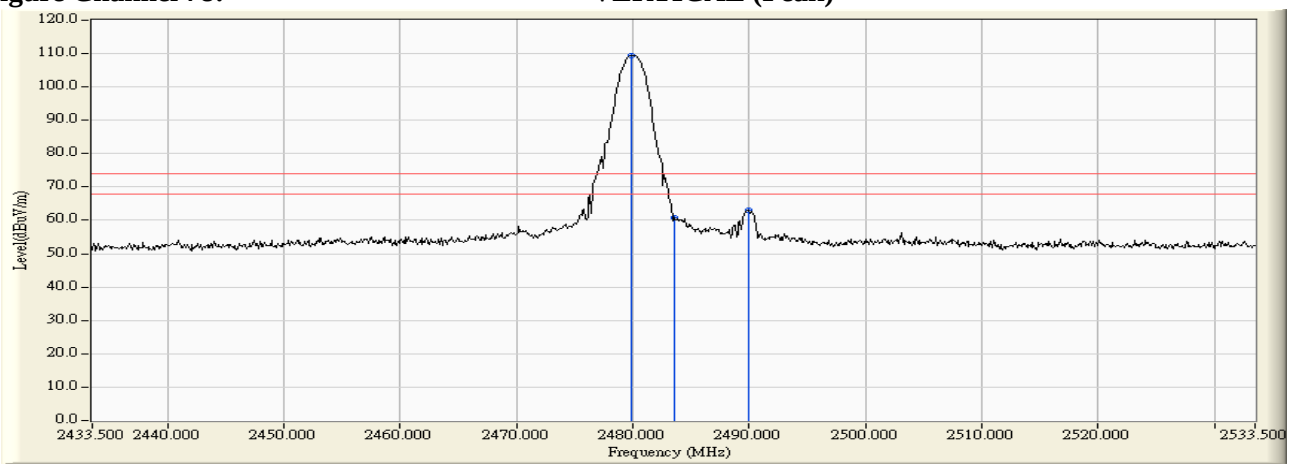
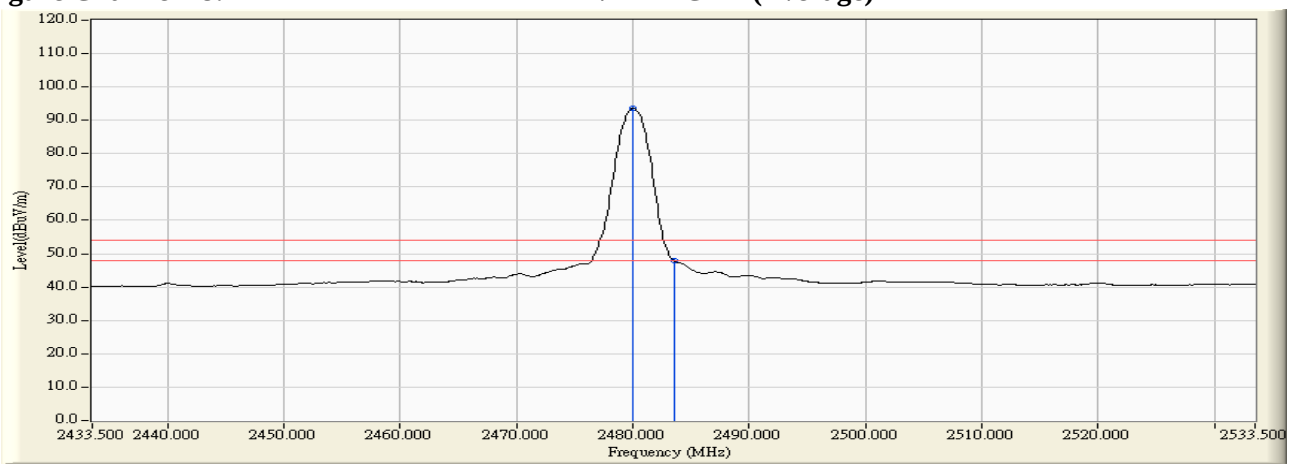


Figure Channel 78: VERTICAL (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 3: Transmit - 3Mbps (2402MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
00 (Peak)	2378.800	6.425	46.591	53.016	74.00	54.00	Pass
00 (Peak)	2390.000	6.474	44.418	50.893	74.00	54.00	Pass
00 (Peak)	2400.000	6.528	63.165	69.693	--	--	--
00 (Peak)	2402.000	6.540	84.189	90.729	--	--	--
00 (Average)	2390.000	6.474	33.452	39.927	74.00	54.00	Pass
00 (Average)	2400.000	6.528	45.655	52.183	--	--	--
00 (Average)	2402.000	6.540	72.006	78.546	--	--	--

Figure Channel 00: Horizontal (Peak)

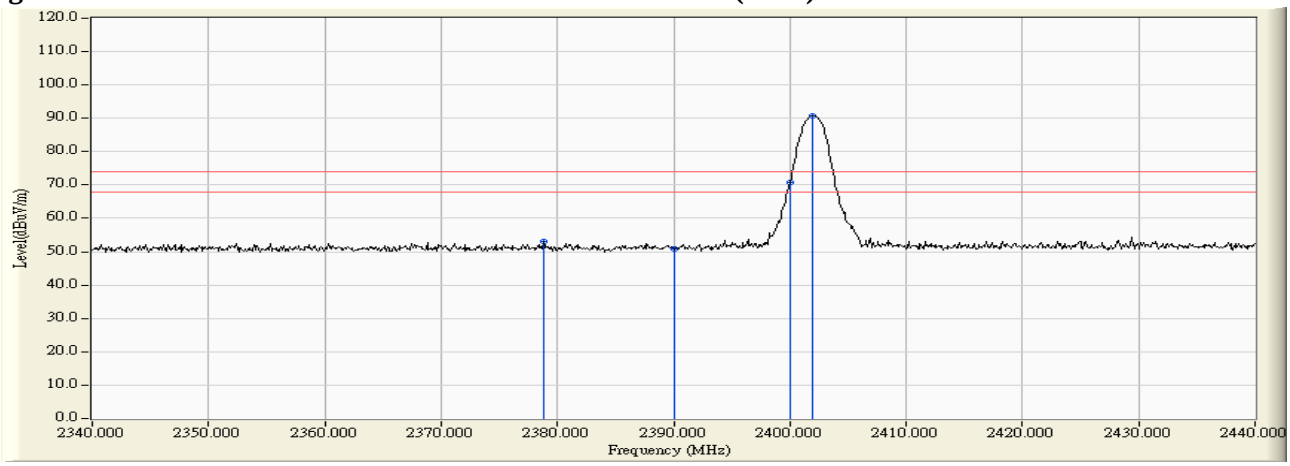
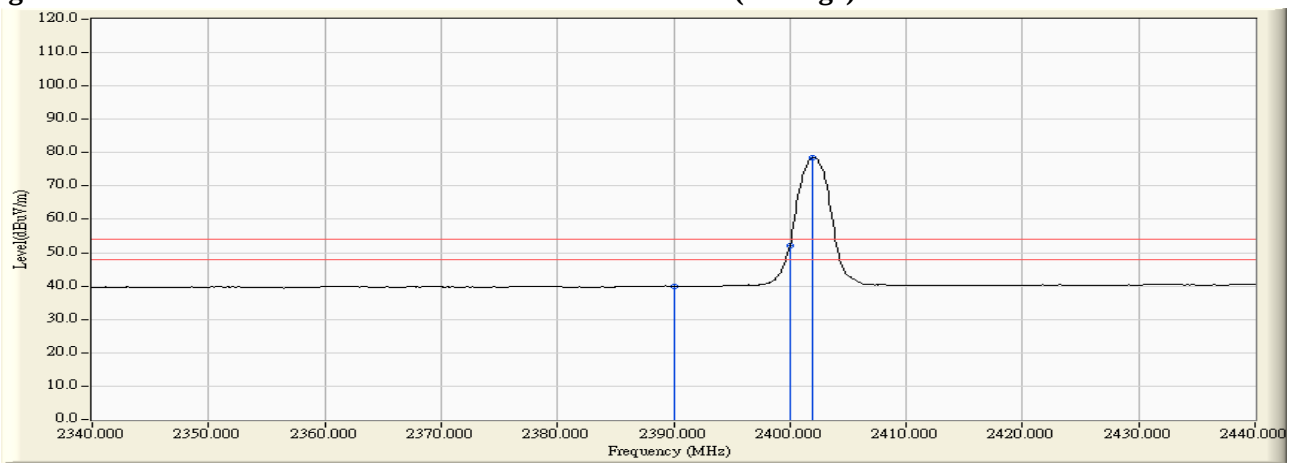


Figure Channel 00: Horizontal (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 3: Transmit - 3Mbps (2402MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
00 (Peak)	2373.000	5.950	48.375	54.326	74.00	54.00	Pass
00 (Peak)	2390.000	5.880	47.608	53.489	74.00	54.00	Pass
00 (Peak)	2400.000	5.879	75.719	81.598	--	--	--
00 (Peak)	2402.000	5.884	96.698	102.582	--	--	--
00 (Average)	2390.000	5.880	34.711	40.592	74.00	54.00	Pass
00 (Average)	2400.000	5.879	54.961	60.840	--	--	Pass
00 (Average)	2402.000	5.884	82.141	88.025	--	--	--

Figure Channel 00: VERTICAL (Peak)

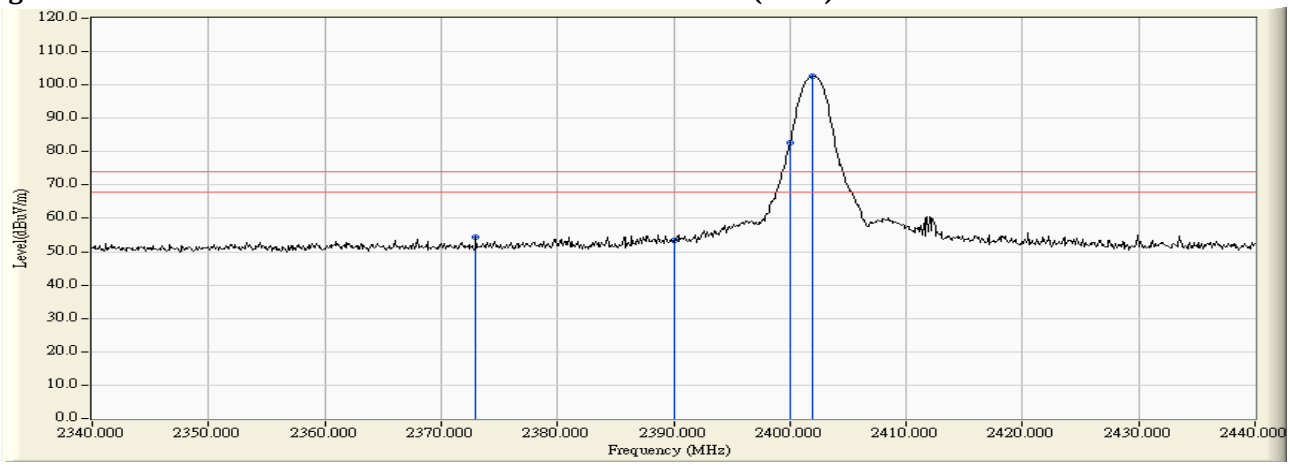
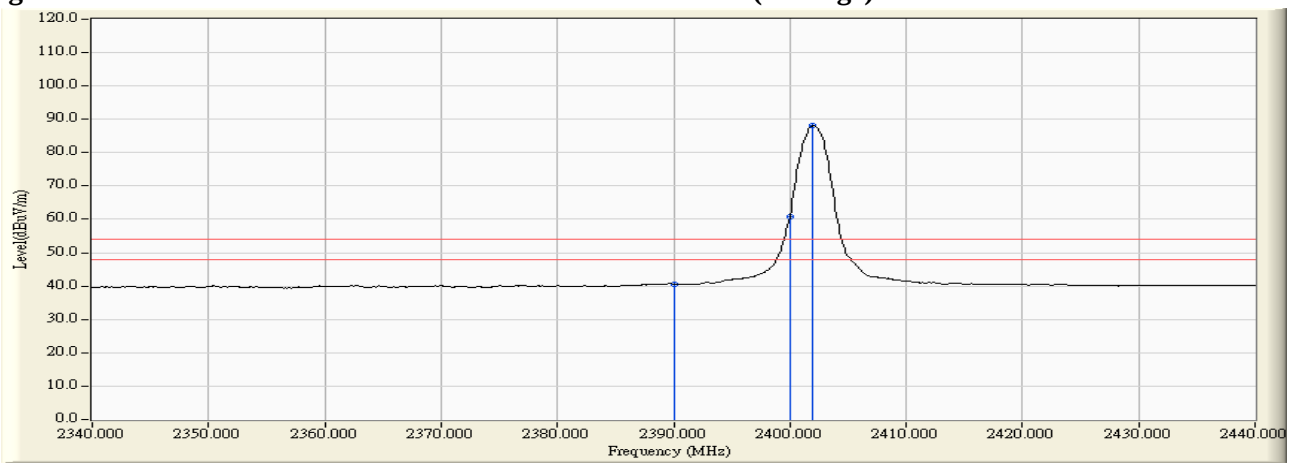


Figure Channel 00: VERTICAL (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 3: Transmit - 3Mbps (2480MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
78 (Peak)	2480.000	7.085	88.859	95.944	--	--	Pass
78 (Peak)	2483.500	7.110	47.316	54.426	74.00	54.00	Pass
78 (Peak)	2499.900	7.190	48.252	55.442	74.00	54.00	Pass
78 (Average)	2480.100	7.086	75.531	82.617	--	--	Pass
78 (Average)	2483.500	7.110	34.627	41.737	74.00	54.00	Pass
78 (Average)	2484.500	7.117	35.192	42.309	74.00	54.00	Pass

Figure Channel 00: Horizontal (Peak)

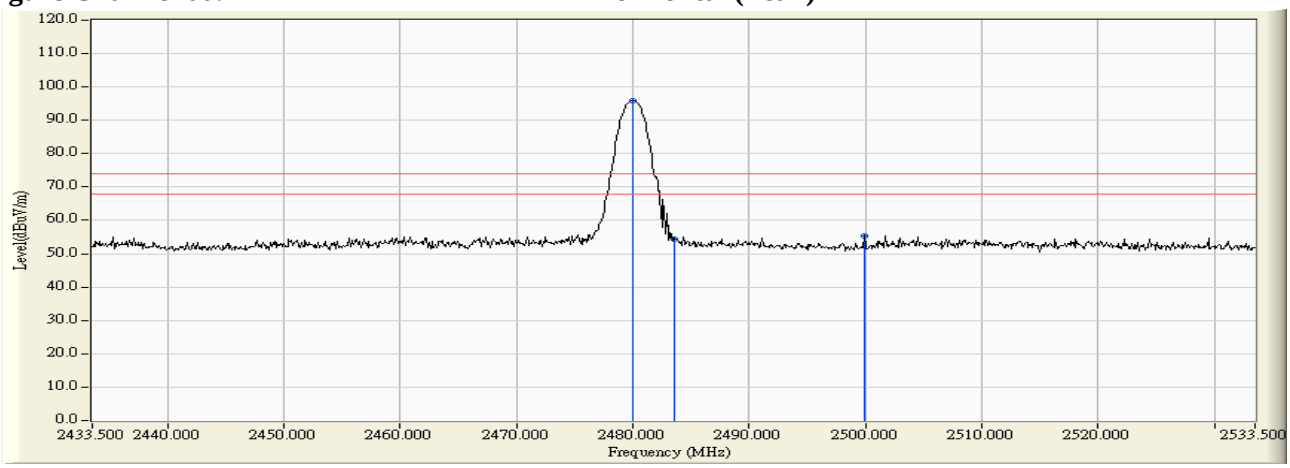
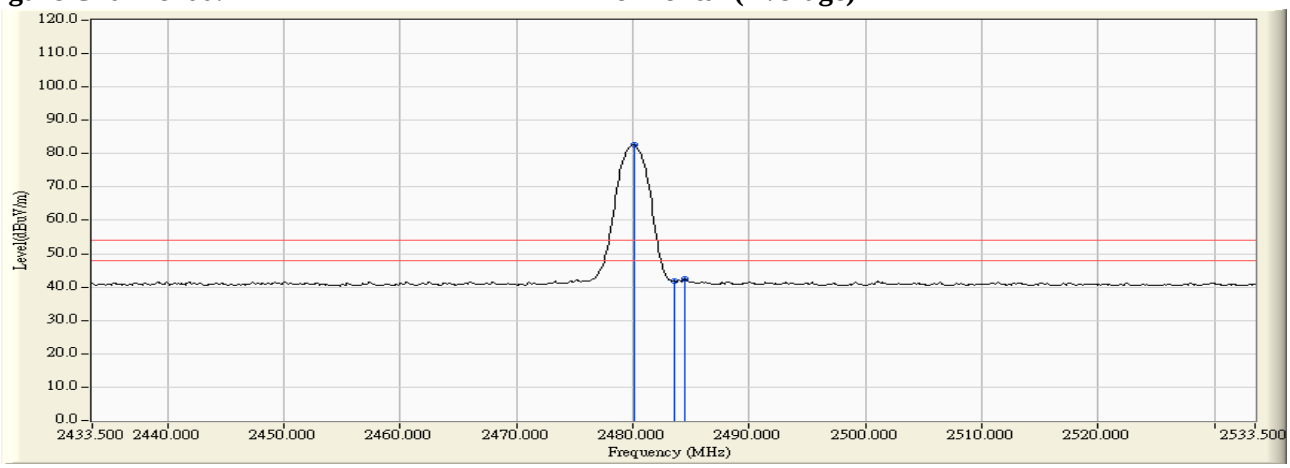


Figure Channel 00: Horizontal (Average)



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® Tri-Band Wireless-AC 18265
Test Item : Band Edge
Test date : 2017/06/16
Test Mode : Mode 3: Transmit - 3Mbps (2480MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
78 (Peak)	2480.000	6.342	102.794	109.135	--	--	Pass
78 (Peak)	2483.500	6.363	58.398	64.761	74.00	54.00	Pass
78 (Average)	2480.000	6.342	86.776	93.117	--	--	Pass
78 (Average)	2483.500	6.363	41.372	47.735	74.00	54.00	Pass

Figure Channel 78: VERTICAL (Peak)

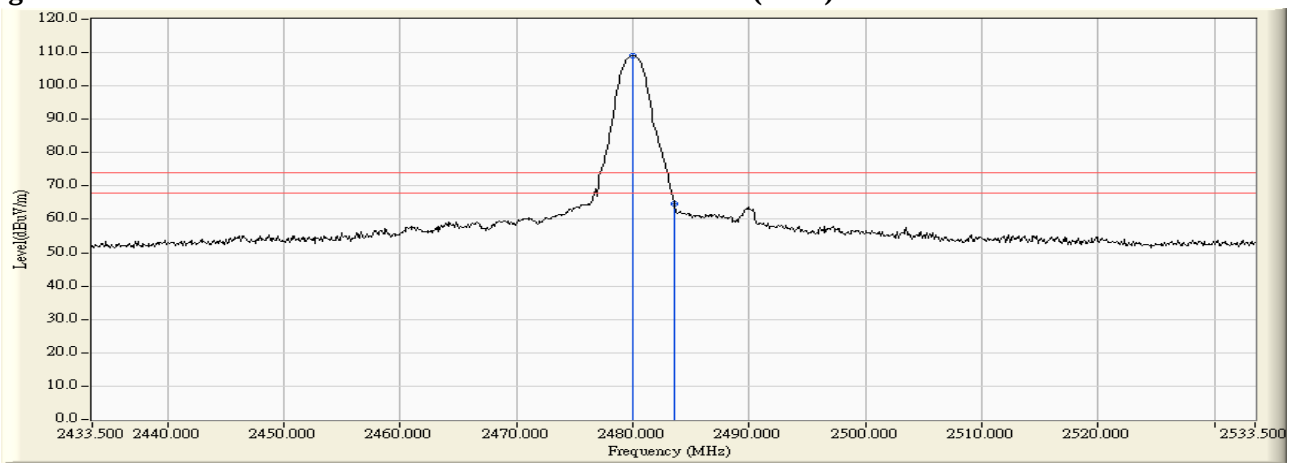
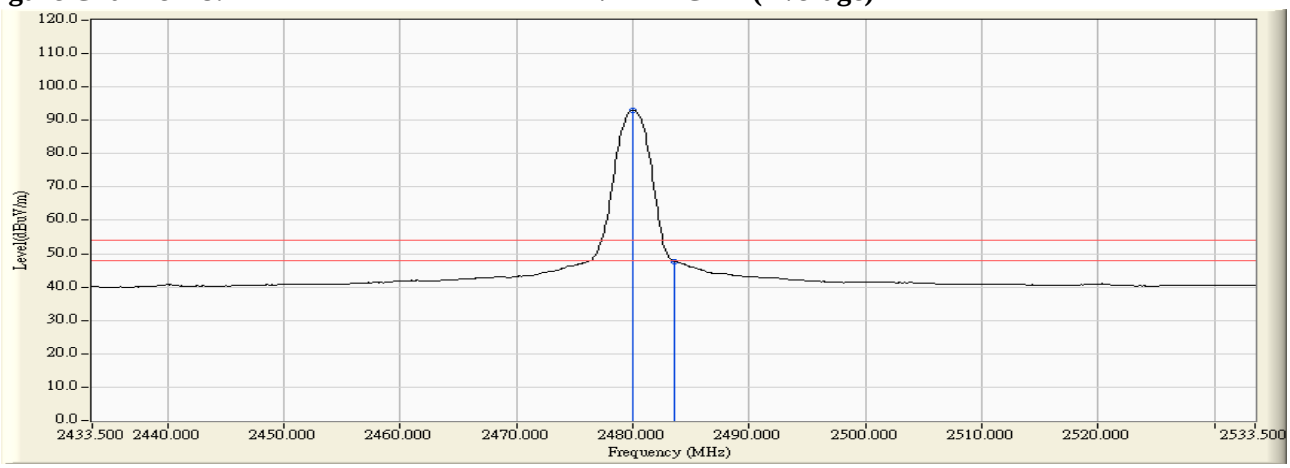


Figure Channel 78: VERTICAL (Average)



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