

FCC Test Report (Class II Permissive Change)

Product Name	INTEL DUAL BAND WIRELESS-AC 7265
Model No	7265NGW
FCC ID.	MSQ7265NG

Applicant	ASUSTeK COMPUTER INC.
Address	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt	Sep. 26, 2015
Issue Date	Nov. 03, 2015
Report No.	15A0003R-RFUSP07V00
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.
 This report must not be used to claim product endorsement by TAF or any agency of the government.
 The test report shall not be reproduced without the written approval of Quietek Corporation.

Test Report

Issue Date: Nov. 03, 2015

Report No.: 15A0003R-RFUSP07V00



Product Name	INTEL DUAL BAND WIRELESS-AC 7265
Applicant	ASUSTeK COMPUTER INC.
Address	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	Intel Mobile Communications
Model No.	7265NGW
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: 2013 ANSI C63.4: 2014, ANSI C63.10: 2013 KDB 558074 D01 DTS Meas Guidance v03r03
Test Result	Complied

Documented By : Jinn Chen
(Senior Adm. Specialist / Jinn Chen)

Tested By : Jack Hsu
(Engineer / Jack Hsu)

Approved By : 
(Director / Vincent Lin)

TABLE OF CONTENTS

Description	Page
1. GENERAL INFORMATION	4
1.1. EUT Description.....	4
1.2. Operational Description	7
1.3. Tested System Details.....	8
1.4. Configuration of Tested System	8
1.5. EUT Exercise Software	9
1.6. Test Facility	10
2. Peak Power Output	11
2.1. Test Equipment.....	11
2.2. Test Setup	11
2.3. Limits	11
2.4. Test Procedure	11
2.5. Uncertainty	11
2.6. Test Result of Peak Power Output.....	12
3. Radiated Emission.....	28
3.1. Test Equipment.....	28
3.2. Test Setup	29
3.3. Limits	30
3.4. Test Procedure	31
3.5. Uncertainty	31
3.6. Test Result of Radiated Emission.....	32
4. Band Edge	78
4.1. Test Equipment.....	78
4.2. Test Setup	79
4.3. Limits	79
4.4. Test Procedure	80
4.5. Uncertainty	80
4.6. Test Result of Band Edge	80
5. EMI Reduction Method During Compliance Testing	105
Attachment 1: EUT Test Photographs	
Attachment 2: EUT Detailed Photographs	

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	INTEL DUAL BAND WIRELESS-AC 7265
Trade Name	Intel
Model No.	7265NGW
FCC ID.	MSQ7265NG
Frequency Range	802.11b/g/n-20MHz:2412-2462MHz, 802.11n-40MHz:2422-2452MHz 802.11a/n-20MHz:5745-5825MHz, 802.11n-40MHz:5755-5795MHz 802.11ac-80MHz: 5775MHz
Number of Channels	802.11b/g/n-20MHz: 11, n-40MHz: 7 802.11a/n-20MHz: 5, n-40MHz: 2 802.11ac-80MHz: 1
Data Speed	802.11b: 1-11Mbps, 802.11a/g: 6-54Mbps, 802.11n: up to 300Mbps 802.11ac-80MHz: up to 866.7MHz
Channel separation	802.11b/g/n-20(40)MHz: 5 MHz, 802.11a/n-20MHz: 20MHz 802.11n-40MHz: 40MHz, 802.11ac-80MHz: 80MHz
Type of Modulation	802.11b:DSSS, DBPSK, DQPSK, CCK 802.11a/g/n/ac: OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM
Antenna Type	PIFA Antenna
Antenna Gain	Refer to the table "Antenna List"
Channel Control	Auto
Power Adapter	MFR: ASUS, M/N: ADP-65AW A Input: AC 100-240V ~ 50/60Hz, 1.5A Output: DC 19V, 3.42A Cable out: Non-Shielded, 1.8m, with one ferrite core bonded.
Test Platform.	Brand Name: ASUS, M/N: TP301U, Q303U

Antenna List

Manufacturer	Part No.	Peak Gain
LUXSHARE	LA05RF867-1H (MAIN)	-3.1dBi For 2.4GHz
	LA05RF868 -1H (AUX)	-0.8dBi For 5725-5850GHz
Hong Lin	260-26076 (Main)	-3.1dBi For 2.4GHz
	260-26077 (Aux)	-0.8dBi For 5725-5850GHz

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

2. Only the higher gain antenna was tested and recorded in this report.

802.11b/g/n-20MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2412 MHz	Channel 02:	2417 MHz	Channel 03:	2422 MHz	Channel 04:	2427 MHz
Channel 05:	2432 MHz	Channel 06:	2437 MHz	Channel 07:	2442 MHz	Channel 08:	2447 MHz
Channel 09:	2452 MHz	Channel 10:	2457 MHz	Channel 11:	2462 MHz		

802.11a/n-20MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 149:	5745 MHz	Channel 153:	5765 MHz	Channel 157:	5785 MHz	Channel 161:	5805 MHz
Channel 165:	5825 MHz						

802.11n-40MHz (2.4G Band) Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 1:	2422 MHz	Channel 2:	2427 MHz	Channel 3:	2432 MHz	Channel 4:	2437 MHz
Channel 5:	2442 MHz	Channel 6:	2447 MHz	Channel 7:	2452 MHz		

802.11n-40MHz (5G Band) Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency
Channel 151:	5755 MHz	Channel 159:	5795 MHz

802.11ac-80MHz Center Working Frequency of Each Channel:

Channel	Frequency
Channel 155:	5775 MHz

Note:

1. This device is a INTEL DUAL BAND WIRELESS-AC 7265 with a built-in 2.4GHz and 5GHz WLAN transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report.
4. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
5. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11a/b/g/n transmitter with Part 15 Subpart C Paragraph 15.247 of spread spectrum devices.
6. This is to request a Class II permissive change for FCC ID: MSQ7265NG, originally granted on 12/15/2015.

The major change filed under this application is:

Change #1: Additional Chassis added, ASUSTeK, model number : TP301U, Q303U notebook/tablet.

All models are listed as below

Brand	Model	Difference
ASUS	TP301U (Main test model)	All models are electrically identical, different model names are for marketing purpose.
	Q303U	

#2: Reduce the Output Power through firmware (only reduce Wi-Fi Power, Bluetooth power haven't changes).

#3: Addition two new antennas, the antenna type is the same, the antenna gain is lower than the original application.

Test Mode:	Mode 1 SISO B: Transmit (802.11b 1Mbps)
	Mode 1 SISO B: Transmit (802.11g 6Mbps)
	Mode 1 SISO B: Transmit - 802.11a 6Mbps
	Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band)
	Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band)
	Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(5G Band)
	Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(5G Band)
	Mode 1 SISO B: Transmit - 802.11ac-80BW_32.5Mbps(5G Band)
	Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)
	Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band)
	Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(5G Band)
	Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(5G Band)
Mode 2 MIMO: Transmit - 802.11ac-80BW_65Mbps(5G Band)	

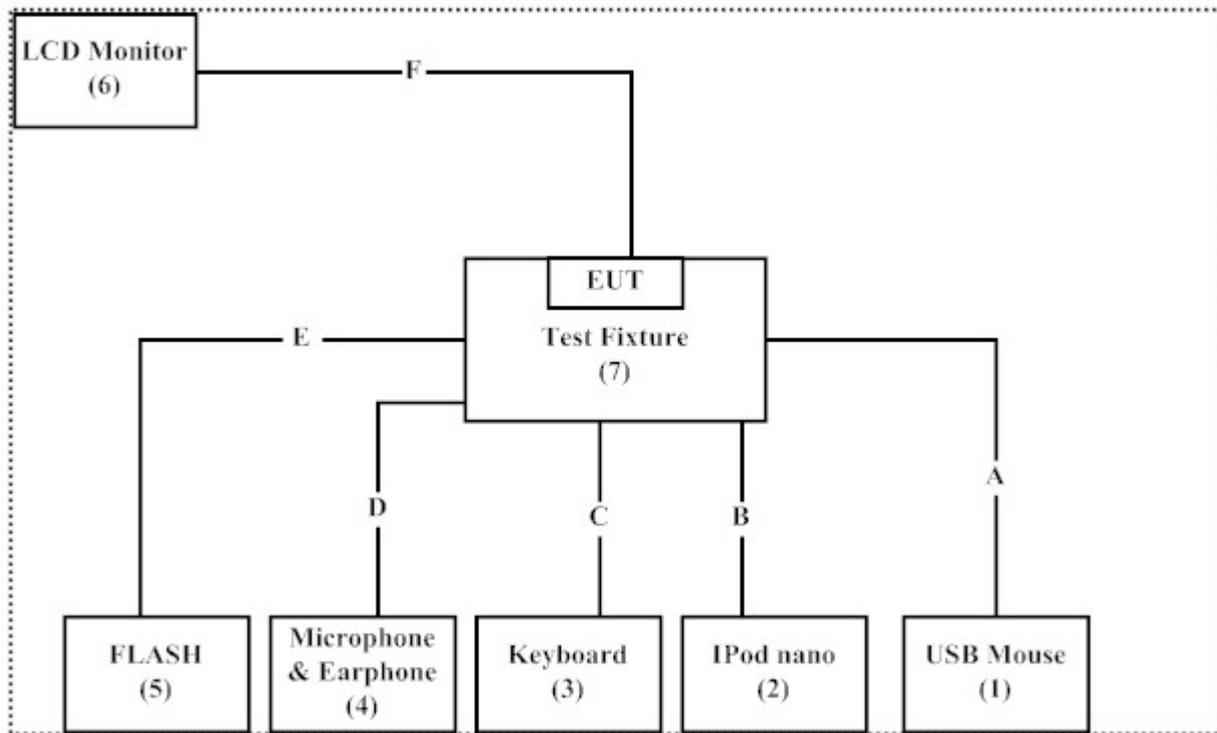
1.3. Tested System Details

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	USB Mouse	Logitech	M-BE58	HCA30103100	N/A
2	iPod nano	Apple	A1199	YM706LSCVQ5	N/A
3	Keyboard	DELL	SK-8115	MY-0DJ325-71619-6 A3-1913	N/A
4	Microphone & Earphone	PCHOME	N/A	N/A	N/A
5	FLASH	Transcend	JetFlash110	155422-2931	N/A
6	LCD Monitor	DELL	ST2320Lf	CN-0M2nn6-72872-2 2I-CA1S	Non-Shielded, 1.8m
7	Test Fixture	ASUS	N/A	N/A	N/A

Signal Cable Type	Signal cable Description	
A	USB Cable	Shielded, 1.8 m
B	USB Cable	Shielded, 1.2 m
C	USB Cable	Shielded, 1.8 m, with one ferrite core bonded.
D	Microphone & Earphone Cable	Non-Shielded, 2 m
E	USB Cable	Shielded, 2 m
F	HDMI Cable	Non-Shielded, 1.8 m

1.4. Configuration of Tested System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.4
- (2) Execute “DRTU V1.7.7-01483” program on the EUT.
- (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 Quietek Corporation's Web Site : <http://www.quietek.com/chinese/about/certificates.aspx?bval=5>
The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

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

Site Name: Quietek Corporation
Site Address: No.5-22, Ruishukeng,
Linkou Dist. New Taipei City 24451,
Taiwan, R.O.C.
TEL: 886-2-8601-3788 / FAX : 886-2-8601-3789
E-Mail : service@quietek.com

FCC Accreditation Number: TW1014

2. Peak Power Output

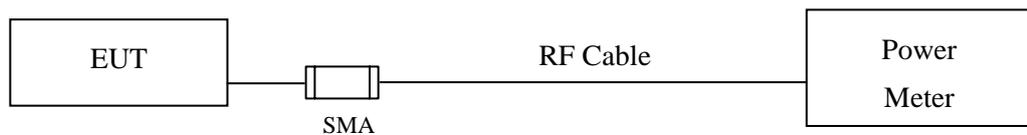
2.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Power Meter	Anritsu	ML2495A/6K00003357	May, 2015
X	Power Sensor	Anritsu	MA2411B/0738448	Jun., 2015

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

2.2. Test Setup



2.3. Limits

The maximum peak power shall be less 1 Watt.

2.4. Test Procedure

The EUT was tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements. The maximum peak conducted output power using KDB 558074 D01 DTS Meas Guidance v03r02 section 9.1.2 PKPM1 Peak power meter method for 802.11a/b/g/n, section 9.2.2 Measurement using a spectrum analyzer (SA) for 802.11ac.

2.5. Uncertainty

± 1.27 dB

2.6. Test Result of Peak Power Output

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit (802.11b 1Mbps)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11			
		Measurement Level (dBm)						
01	2412	13.5	--	--	--	16.77	<30dBm	Pass
06	2437	13.74	13.59	13.21	13.02	16.94	<30dBm	Pass
11	2462	15	--	--	--	18.28	<30dBm	Pass

Note: Peak Power Output Value =Reading value on power meter + cable loss

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit (802.11g 6Mbps)

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		7.2	14.4	21.7	28.9	43.3	57.8	65	72.2	7.2		
Measurement Level (dBm)												
01	2412	13.16	--	--	--	--	--	--	--	18.47	<30dBm	Pass
06	2437	14.00	13.79	13.55	13.32	13.08	12.85	12.61	12.38	19.63	<30dBm	Pass
11	2462	12.37	--	--	--	--	--	--	--	17.76	<30dBm	Pass

Note: Peak Power Output Value =Reading value on power meter + cable loss

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11a 6Mbps

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
149	5745	8	--	--	--	--	--	--	--	13.41	<30dBm	Pass
157	5785	8.22	8.15	8.08	7.97	7.86	7.71	7.63	7.58	13.92	<30dBm	Pass
165	5825	9.98	--	--	--	--	--	--	--	15.35	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0		
		Measurement Level (dBm)										
01	2412	13.13	--	--	--	--	--	--	--	18.58	<30dBm	Pass
06	2437	14.00	13.76	13.58	13.35	13.13	12.91	12.69	12.47	19.72	<30dBm	Pass
11	2462	12.31	--	--	--	--	--	--	--	17.89	<30dBm	Pass

Note: Peak Power Output Value =Reading value on power meter + cable loss

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0		
		Measurement Level (dBm)										
03	2422	13.28	--	--	--	--	--	--	--	18.53	<30dBm	Pass
06	2437	13.71	13.54	13.41	13.25	13.10	12.95	12.80	12.65	19.14	<30dBm	Pass
09	2452	11.31	--	--	--	--	--	--	--	16.47	<30dBm	Pass

Note: Peak Power Output Value =Reading value on power meter + cable loss

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(5G Band)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Peak Power	Required Limit	Result
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0			
		Measurement Level (dBm)											
149	5745	8	--	--	--	--	--	--	--	13.57	<30dBm	Pass	
157	5785	8.17	8.04	7.94	7.88	7.76	7.62	7.57	7.49	14.02	<30dBm	Pass	
165	5825	9.79	--	--	--	--	--	--	--	15.27	<30dBm	Pass	

Note: Peak Power Output Value =Reading value on power meter + cable loss

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(5G Band)

Channel No	Frequency (MHz)	Average Power									Peak Power	Required Limit	Result
		For different Data Rate (Mbps)											
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0			
Measurement Level (dBm)													
151	5755	7.49	7.42	7.35	7.26	7.17	7.05	6.98	6.88	12.34	<30dBm	Pass	
159	5795	9.25	--	--	--	--	--	--	--	14.54	<30dBm	Pass	

Note: Peak Power Output Value =Reading value on power meter + cable loss

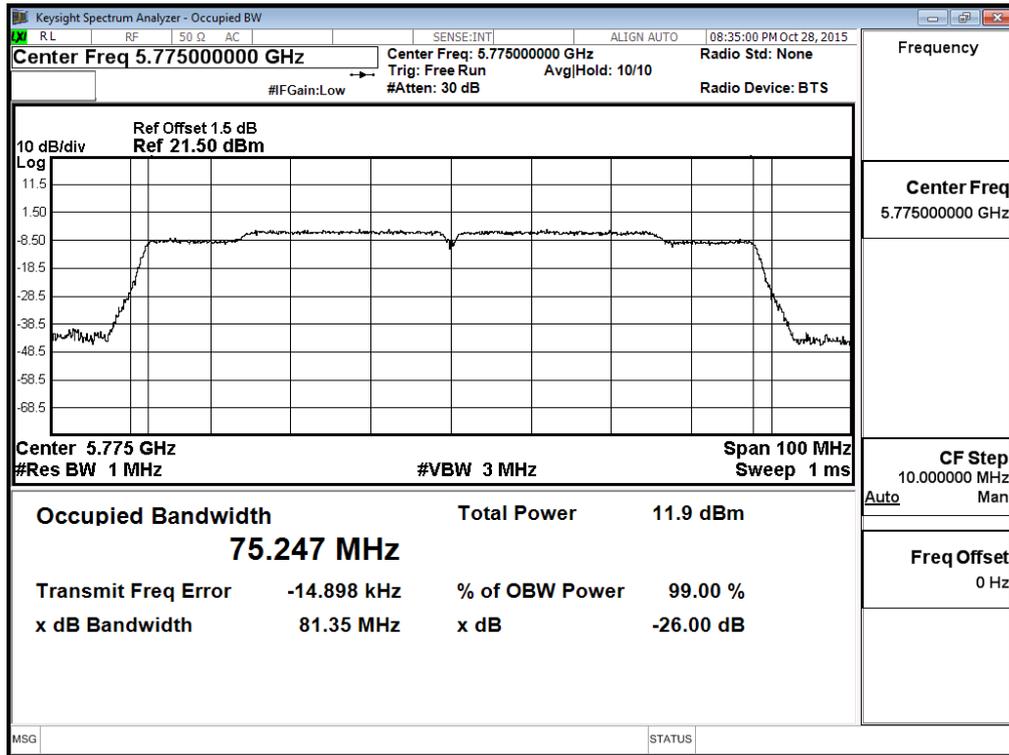
Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11ac-80BW_32.5Mbps(5G Band)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)										AVG Power	Required Limit	Result
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9			
151	5775	7.39	7.27	7.15	7.06	6.94	6.86	6.76	6.62	6.54	6.48	7.39	<30dBm	Pass

Note: Peak Power Output Value =Reading value on power meter + cable loss

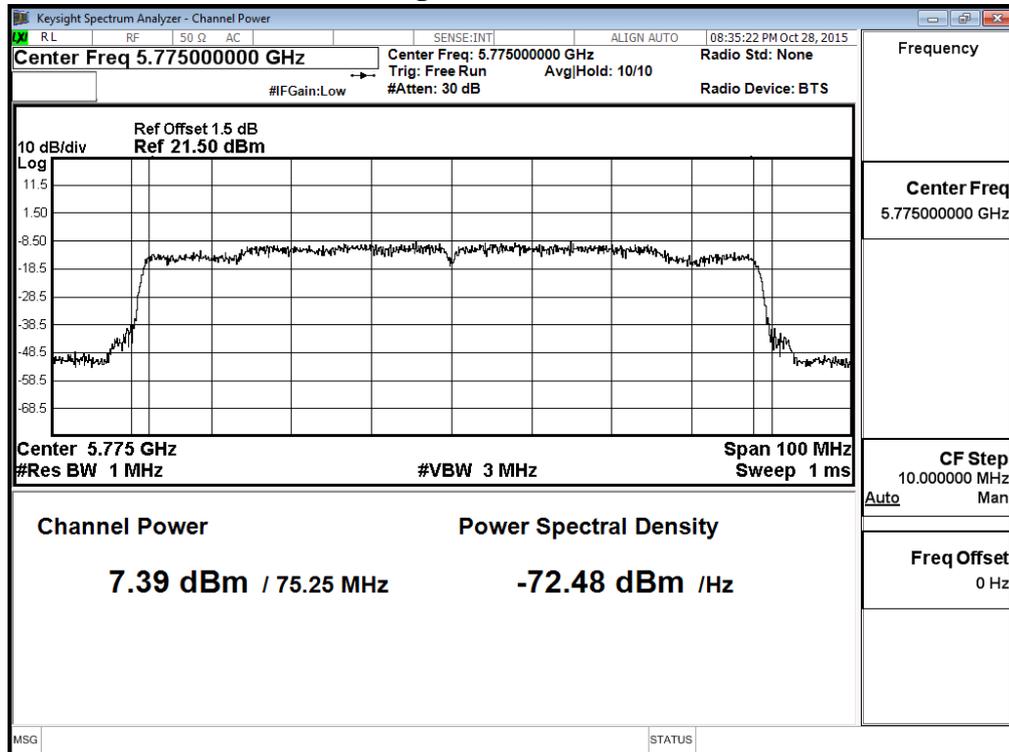
26dBc Occupied Bandwidth:

Figure Channel 155



Average conducted output power:

Figure Channel 155



Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)

Chain A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Peak Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
01	2412	11.62	--	--	--	--	--	--	--	17.08	<30dBm	Pass	
06	2437	13.81	13.59	13.34	13.18	12.96	12.76	12.55	12.35	19.19	<30dBm	Pass	
11	2462	11.96	--	--	--	--	--	--	--	17.43	<30dBm	Pass	

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Peak Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
01	2412	12	--	--	--	--	--	--	--	17.65	<30dBm	Pass	
06	2437	13.63	13.37	13.04	12.76	12.46	12.17	11.87	11.58	19.42	<30dBm	Pass	
11	2462	12	--	--	--	--	--	--	--	17.66	<30dBm	Pass	

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain A+B

Channel	Frequency (MHz)	Data Rata (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
01	2412	HT8	17.08	17.65	20.38	<30dBm	Pass
06	2437	HT8	19.19	19.42	22.32	<30dBm	Pass
11	2462	HT8	17.43	17.66	20.56	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+Chain B (mW))

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band)

Chain A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8		
		Measurement Level (dBm)										
03	2422	9.48	--	--	--	--	--	--	--	14.77	<30dBm	Pass
06	2437	13.16	12.98	12.64	12.41	12.15	11.89	11.63	11.37	18.17	<30dBm	Pass
09	2452	9.5	--	--	--	--	--	--	--	14.81	<30dBm	Pass

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8		
		Measurement Level (dBm)										
03	2422	9.5	--	--	--	--	--	--	--	14.84	<30dBm	Pass
06	2437	12.83	12.67	12.31	12.08	11.82	11.56	11.30	11.04	18.25	<30dBm	Pass
09	2452	9.01	--	--	--	--	--	--	--	14.23	<30dBm	Pass

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain A+B

Channel	Frequency (MHz)	Data Rata (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
03	2422	HT8	14.77	14.84	17.82	<30dBm	Pass
06	2437	HT8	18.17	18.25	21.22	<30dBm	Pass
09	2452	HT8	14.81	14.23	17.54	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+Chain B (mW))

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(5G Band)

Chain A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Peak Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
149	5745	7.05	--	--	--	--	--	--	--	12.59	<30dBm	Pass	
157	5785	7.06	6.98	6.84	6.76	6.65	6.57	6.53	6.42	13.35	<30dBm	Pass	
165	5825	7.44	--	--	--	--	--	--	--	13.05	<30dBm	Pass	

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Peak Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
149	5745	8	--	--	--	--	--	--	--	13.92	<30dBm	Pass	
157	5785	7.69	7.54	7.46	7.35	7.29	7.15	7.04	6.95	13.59	<30dBm	Pass	
165	5825	8	--	--	--	--	--	--	--	13.63	<30dBm	Pass	

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain A+B

Channel	Frequency (MHz)	Data Rata (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
149	5745	HT8	12.59	13.92	16.32	<30dBm	Pass
157	5785	HT8	13.35	13.59	16.48	<30dBm	Pass
165	5825	HT8	13.05	13.63	16.36	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+Chain B (mW))

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(5G Band)

Chain A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Peak Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
151	5755	6.98	--	--	--	--	--	--	--	11.84	<30dBm	Pass	
159	5795	6.87	6.77	6.68	6.51	6.47	6.35	6.26	6.21	11.81	<30dBm	Pass	

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Peak Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
151	5755	7.49	--	--	--	--	--	--	--	12.42	<30dBm	Pass	
159	5795	7.5	7.38	7.25	7.16	7.05	6.97	6.86	6.78	12.68	<30dBm	Pass	

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain A+B

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
151	5755	HT8	11.84	12.42	15.15	<30dBm	Pass
159	5795	HT8	11.81	12.68	15.28	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+Chain B (mW))

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11ac-80BW_65Mbps(5G Band)

Chain A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)										AVG Power	Required Limit	Result
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9			
151	5775	4.61	4.47	4.36	4.25	4.16	4.04	3.92	3.84	3.71	3.59	4.61	<30dBm	Pass

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)										AVG Power	Required Limit	Result
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9			
151	5775	7.38	7.29	7.15	7.04	6.95	6.89	6.76	6.62	6.54	6.48	7.38	<30dBm	Pass

Note: Peak Power Output Value =Reading value on power meter + cable loss

Chain A+B

Channel Number	Frequency (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit (dBm)
155	VTH0	4.61	7.38	9.22	30

Note:

1. Power Output Value =Reading value on average power meter + cable loss
2. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))

26dBc Occupied Bandwidth:

Figure Channel 155 (Chain A)

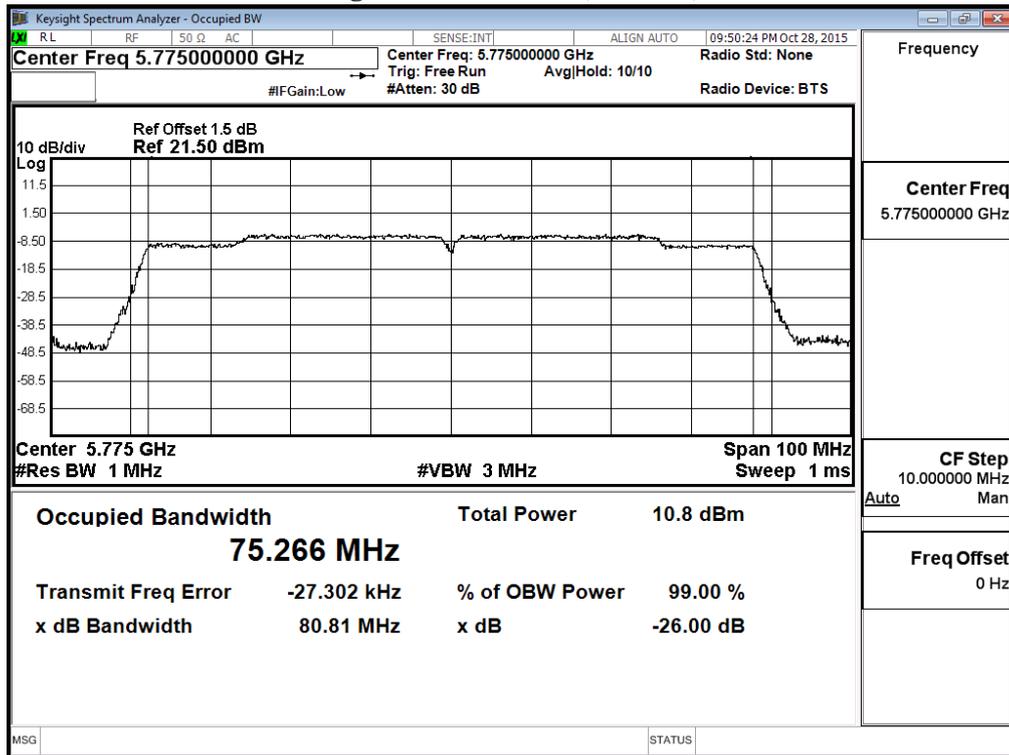
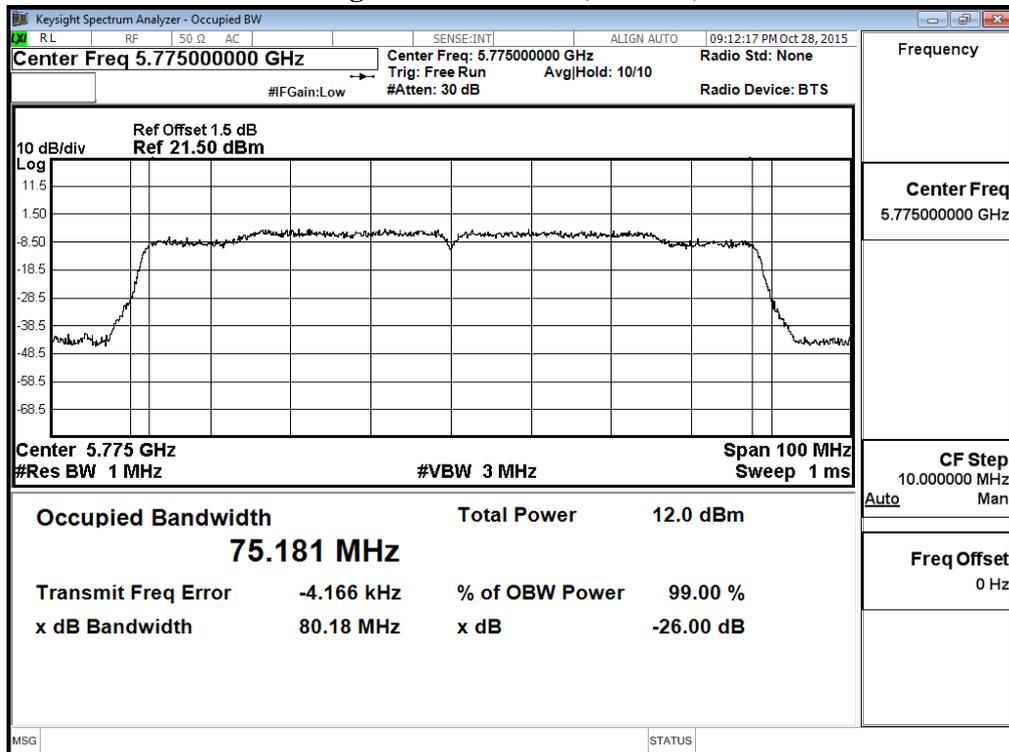


Figure Channel 155 (Chain B)



Maximum conducted output power:

Figure Channel 155 (Chain A)

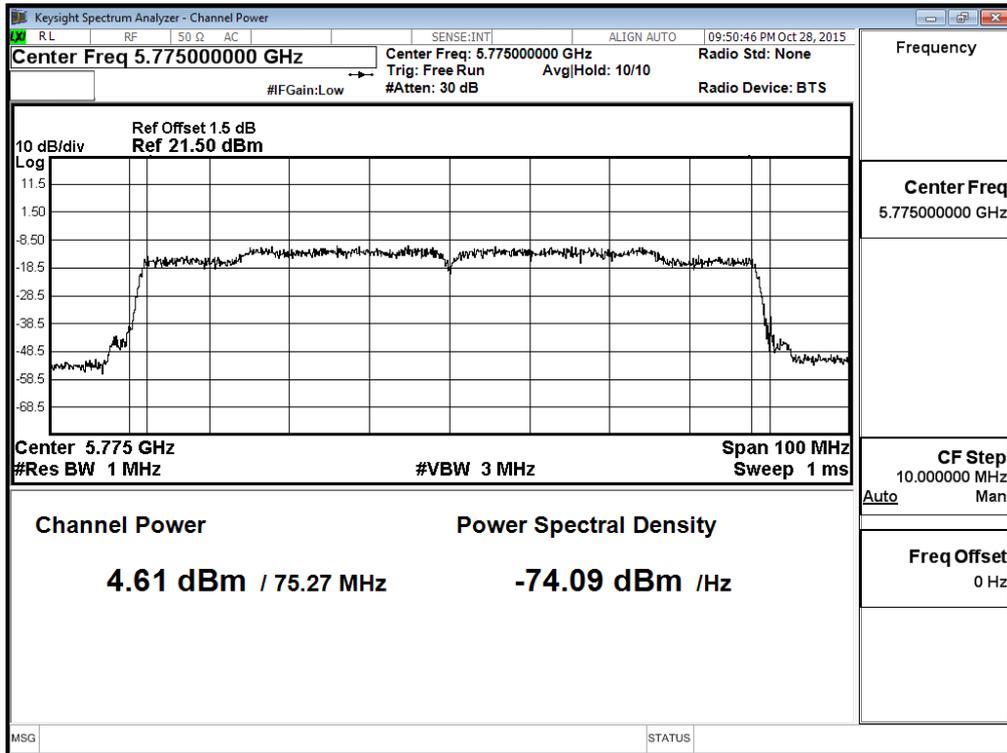
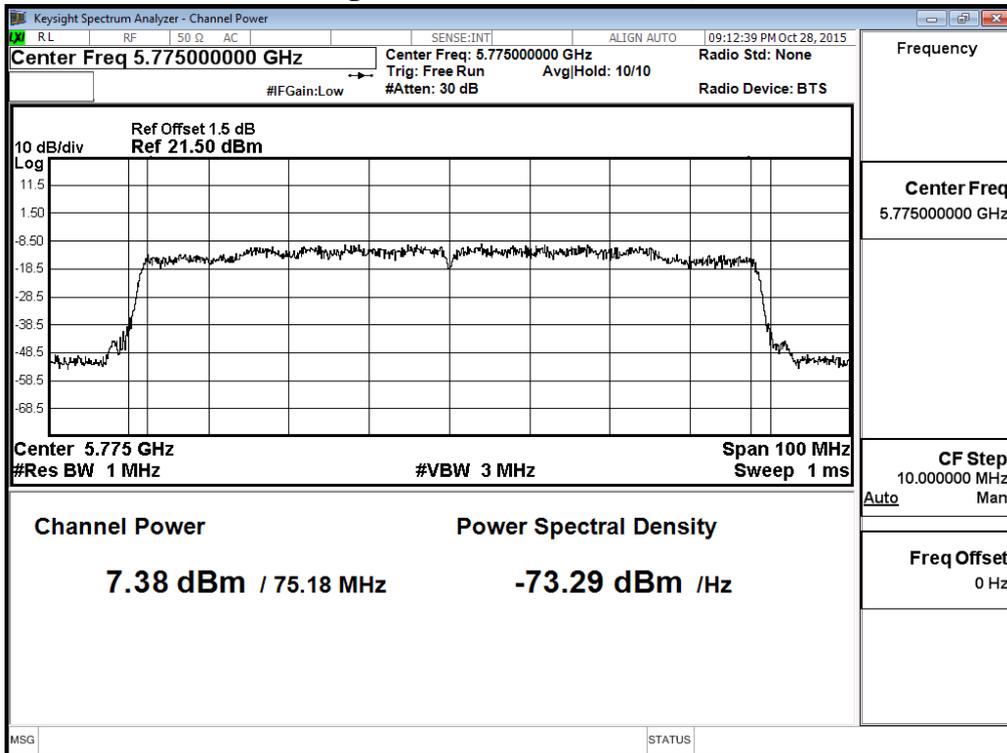


Figure Channel 155 (Chain B)



3. Radiated Emission

3.1. Test Equipment

The following test equipments are used during the radiated emission test:

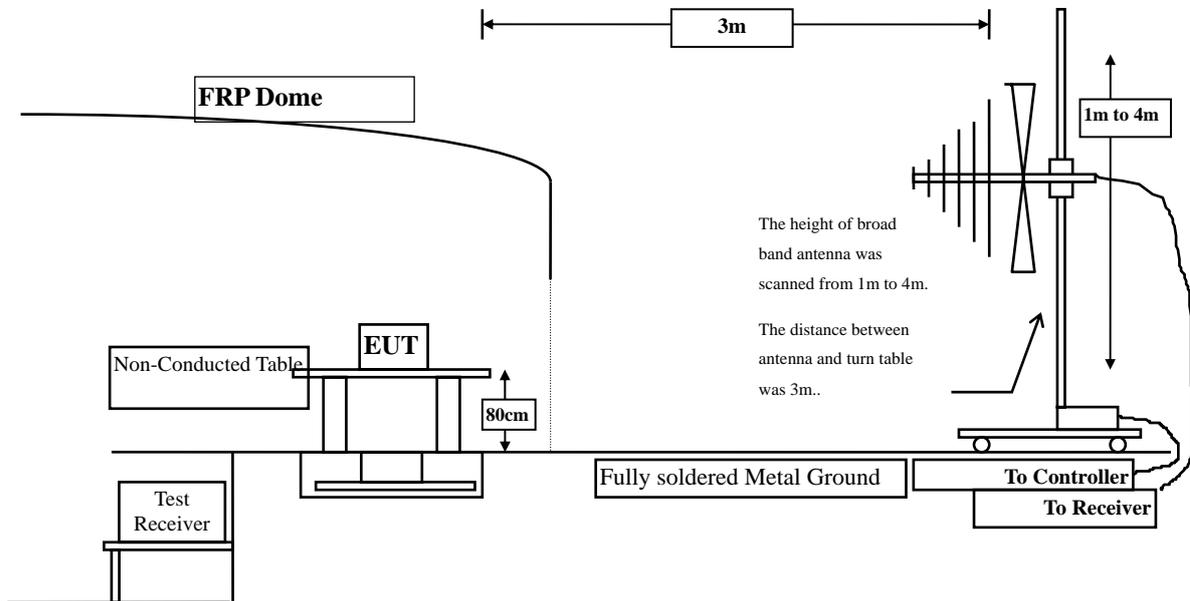
Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	
☒ Site # 3	X	Magnetic Loop Antenna	Teseq	HLA6121/ 37133	Sep., 2015
	X	Bilog Antenna	Schaffner Chase	CBL6112B/ 2707	Jun., 2015
	X	EMI Test Receiver	R&S	ESCS 30/838251/ 001	Jun., 2015
	X	Coaxial Cable	QTK(Arnist)	RG 214/ LC003-RG	Jun., 2015
	X	Coaxial signal switch	Arnist	MP59B/ 6200798682	Jun., 2015

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	
☒ CB # 8	X	Spectrum Analyzer	R&S	FSP40/ 100339	Oct., 2015
	X	Horn Antenna	ETS-Lindgren	3117/ 35205	Mar., 2015
	X	Horn Antenna	Schwarzbeck	BBHA9170/209	Jan., 2015
	X	Horn Antenna	TRC	AH-0801/95051	Aug., 2015
	X	Pre-Amplifier	EMCI	EMC012630SE/980210	Jan., 2015
	X	Pre-Amplifier	MITEQ	JS41-001040000-58-5P/153945	Jul., 2015
	X	Pre-Amplifier	NARDA	DBL-1840N506/013	Jul., 2015

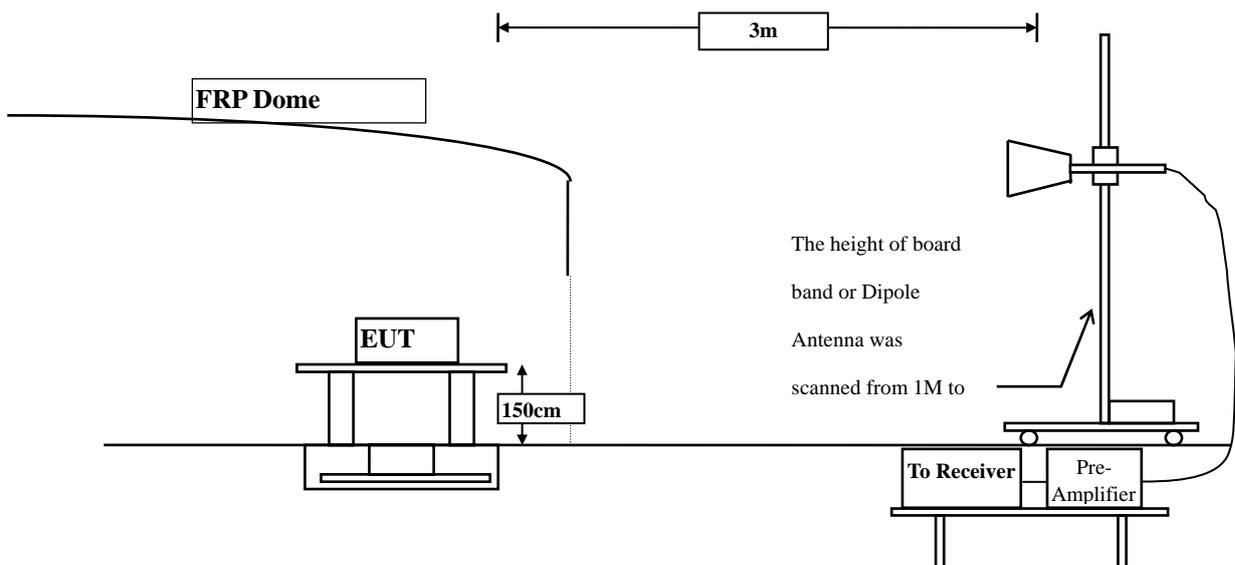
- Note:
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
 2. The test instruments marked with "X" are used to measure the final test results.

3.2. Test Setup

Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



3.3. 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(a) 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: E field strength (dBμV/m) = 20 log E field strength (uV/m)

3.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 for 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.

3.5. Uncertainty

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

3.6. Test Result of Radiated Emission

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit (802.11b 1Mbps) (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4824.000	4.078	39.339	43.417	-30.583	74.000
7236.000	6.424	40.041	46.465	-27.535	74.000
9648.000	8.287	38.064	46.351	-27.649	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	4.078	40.081	44.159	-29.841	74.000
7236.000	6.424	36.530	42.954	-31.046	74.000
9648.000	8.287	38.520	46.807	-27.193	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit (802.11b 1Mbps) (2437 MHz)

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

Horizontal

Peak Detector:

4874.000	3.718	39.736	43.453	-30.547	74.000
7311.000	6.827	38.260	45.087	-28.913	74.000
9748.000	8.196	39.150	47.346	-26.654	74.000

**Average
Detector:**

--

Vertical

Peak Detector:

4874.000	3.718	39.850	43.567	-30.433	74.000
7311.000	6.827	39.284	46.111	-27.889	74.000
9748.000	8.196	38.254	46.450	-27.550	74.000

**Average
Detector:**

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11b 1Mbps) (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4924.000	4.116	39.255	43.371	-30.629	74.000
7386.000	6.713	38.905	45.618	-28.382	74.000
9848.000	8.324	38.544	46.868	-27.132	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	4.116	40.477	44.593	-29.407	74.000
7386.000	6.713	38.699	45.412	-28.588	74.000
9848.000	8.324	38.611	46.935	-27.065	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11g 6Mbps) (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
------------------	-------------------------	--------------------------------	--------------------------------------	--------------	-----------------------

Horizontal

Peak Detector:

4824.000	4.078	39.900	43.978	-30.022	74.000
7236.000	6.424	38.250	44.674	-29.326	74.000
9648.000	8.287	38.570	46.857	-27.143	74.000

Average

Detector:

--

Vertical

Peak Detector:

4824.000	4.078	40.175	44.253	-29.747	74.000
7236.000	6.424	38.502	44.926	-29.074	74.000
9648.000	8.287	38.647	46.934	-27.066	74.000

Average

Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11g 6Mbps) (2437 MHz)

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

Horizontal

Peak Detector:

4874.000	3.718	39.875	43.592	-30.408	74.000
7311.000	6.827	38.160	44.987	-29.013	74.000
9748.000	8.196	38.266	46.462	-27.538	74.000

Average

Detector:

--

Vertical

Peak Detector:

4874.000	3.718	40.150	43.867	-30.133	74.000
7311.000	6.827	38.645	45.472	-28.528	74.000
9748.000	8.196	38.900	47.096	-26.904	74.000

Average

Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11g 6Mbps) (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4924.000	4.116	40.162	44.278	-29.722	74.000
7386.000	6.713	38.522	45.235	-28.765	74.000
9848.000	8.324	39.475	47.799	-26.201	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	4.116	39.951	44.067	-29.933	74.000
7386.000	6.713	38.470	45.183	-28.817	74.000
9848.000	8.324	39.032	47.356	-26.644	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11a 6Mbps (5745 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11490.000	15.521	37.966	53.487	-20.513	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11490.000	15.521	36.752	52.273	-21.727	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11a 6Mbps (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11570.000	15.723	38.240	53.964	-20.036	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11570.000	15.723	36.084	51.808	-22.192	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11a 6Mbps (5825 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11650.000	15.762	37.055	52.817	-21.183	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11650.000	15.762	36.433	52.195	-21.805	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band) (2412MHz)

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

Horizontal
Peak Detector:

4824.000	4.078	39.421	43.499	-30.501	74.000
7236.000	6.424	38.630	45.054	-28.946	74.000
9648.000	8.287	39.741	48.028	-25.972	74.000

Average
Detector:

--

Vertical
Peak Detector:

4824.000	4.078	40.987	45.065	-28.935	74.000
7236.000	6.424	38.246	44.670	-29.330	74.000
9648.000	8.287	39.412	47.699	-26.301	74.000

Average
Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band) (2437 MHz)

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

Horizontal

Peak Detector:

4874.000	3.718	39.905	43.622	-30.378	74.000
7311.000	6.827	38.641	45.468	-28.532	74.000
9748.000	8.196	39.412	47.608	-26.392	74.000

Average

Detector:

--

Vertical

Peak Detector:

4874.000	3.718	40.745	44.462	-29.538	74.000
7311.000	6.827	38.475	45.302	-28.698	74.000
9748.000	8.196	38.571	46.767	-27.233	74.000

Average

Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band) (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4924.000	4.116	40.180	44.296	-29.704	74.000
7386.000	6.713	38.254	44.967	-29.033	74.000
9848.000	8.324	39.166	47.490	-26.510	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	4.116	39.844	43.960	-30.040	74.000
7386.000	6.713	38.256	44.969	-29.031	74.000
9848.000	8.324	39.088	47.412	-26.588	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band) (2422MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
------------------	-------------------------	--------------------------------	--------------------------------------	--------------	-----------------------

Horizontal

Peak Detector:

4844.000	3.865	41.250	45.116	-28.884	74.000
7266.000	6.505	39.541	46.045	-27.955	74.000
9688.000	8.201	39.952	48.153	-25.847	74.000

Average

Detector:

--

Vertical

Peak Detector:

4844.000	3.865	41.155	45.021	-28.979	74.000
7266.000	6.505	38.025	44.529	-29.471	74.000
9688.000	8.201	39.547	47.748	-26.252	74.000

Average

Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band) (2437 MHz)

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

Horizontal

Peak Detector:

4874.000	3.718	41.254	44.971	-29.029	74.000
7311.000	6.827	38.054	44.881	-29.119	74.000
9748.000	8.196	39.500	47.696	-26.304	74.000

Average

Detector:

--

Vertical

Peak Detector:

4874.000	3.718	40.844	44.561	-29.439	74.000
7311.000	6.827	38.577	45.404	-28.596	74.000
9748.000	8.196	39.577	47.773	-26.227	74.000

Average

Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band) (2452 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4904.000	4.099	41.745	45.844	-28.156	74.000
7356.000	6.178	38.055	44.232	-29.768	74.000
9808.000	8.233	39.051	47.284	-26.716	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4904.000	4.099	40.799	44.898	-29.102	74.000
7356.000	6.178	39.520	45.697	-28.303	74.000
9808.000	8.233	39.913	48.146	-25.854	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(5G Band) (5745MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11490.000	15.521	36.590	52.111	-21.889	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11490.000	15.521	36.472	51.993	-22.007	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11570.000	15.723	38.047	53.771	-20.229	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11570.000	15.723	37.046	52.770	-21.230	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(5G Band) (5825 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11650.000	15.762	38.005	53.767	-20.233	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11650.000	15.762	37.110	52.872	-21.128	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11510.000	15.705	37.644	53.349	-20.651	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11510.000	15.705	36.428	52.133	-21.867	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(5G Band) (5795 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11590.000	15.500	38.473	53.973	-20.027	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11590.000	15.500	36.849	52.349	-21.651	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO B: Transmit - 802.11ac-80BW_32.5Mbps(5G Band) (5775 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11550.000	16.378	37.472	53.850	-20.150	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11550.000	16.378	36.941	53.319	-20.681	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
------------------	-------------------------	--------------------------------	--------------------------------------	--------------	-----------------------

Horizontal

Peak Detector:

4824.000	4.078	40.255	44.333	-29.667	74.000
7236.000	6.424	38.475	44.899	-29.101	74.000
9648.000	8.287	39.620	47.907	-26.093	74.000

Average

Detector:

--

Vertical

Peak Detector:

4824.000	4.078	40.133	44.211	-29.789	74.000
7236.000	6.424	38.950	45.374	-28.626	74.000
9648.000	8.287	38.952	47.239	-26.761	74.000

Average

Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2437 MHz)

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

Horizontal

Peak Detector:

4874.000	3.718	40.136	43.853	-30.147	74.000
7311.000	6.827	39.620	46.447	-27.553	74.000
9748.000	8.196	39.475	47.671	-26.329	74.000

Average

Detector:

--

Vertical

Peak Detector:

4874.000	3.718	40.199	43.916	-30.084	74.000
7311.000	6.827	38.576	45.403	-28.597	74.000
9748.000	8.196	39.025	47.221	-26.779	74.000

Average

Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4924.000	4.116	40.248	44.364	-29.636	74.000
7386.000	6.713	38.266	44.979	-29.021	74.000
9848.000	8.324	39.152	47.476	-26.524	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	4.116	41.130	45.246	-28.754	74.000
7386.000	6.713	39.620	46.333	-27.667	74.000
9848.000	8.324	38.593	46.917	-27.083	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2422MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
------------------	-------------------------	--------------------------------	--------------------------------------	--------------	-----------------------

Horizontal

Peak Detector:

4844.000	3.865	40.286	44.152	-29.848	74.000
7266.000	6.505	38.902	45.406	-28.594	74.000
9688.000	8.201	39.034	47.235	-26.765	74.000

Average

Detector:

--

Vertical

Peak Detector:

4844.000	3.865	40.511	44.377	-29.623	74.000
7266.000	6.505	38.560	45.064	-28.936	74.000
9688.000	8.201	39.611	47.812	-26.188	74.000

Average

Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2437 MHz)

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

Horizontal

Peak Detector:

4874.000	3.718	40.157	43.874	-30.126	74.000
7311.000	6.827	38.022	44.849	-29.151	74.000
9748.000	8.196	39.066	47.262	-26.738	74.000

Average

Detector:

--

Vertical

Peak Detector:

4874.000	3.718	40.170	43.887	-30.113	74.000
7311.000	6.827	38.521	45.348	-28.652	74.000
9748.000	8.196	39.622	47.818	-26.182	74.000

Average

Detector:

--

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2452 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4904.000	4.099	40.185	44.284	-29.716	74.000
7356.000	6.178	38.521	44.698	-29.302	74.000
9808.000	8.233	39.620	47.853	-26.147	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4904.000	4.099	41.055	45.154	-28.846	74.000
7356.000	6.178	38.916	45.093	-28.907	74.000
9808.000	8.233	39.588	47.821	-26.179	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5745MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11490.000	15.521	36.741	52.262	-21.738	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11490.000	15.521	37.124	52.645	-21.355	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11570.000	15.723	37.941	53.665	-20.335	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11570.000	15.723	36.850	52.574	-21.426	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5825 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11650.000	15.762	38.111	53.873	-20.127	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11650.000	15.762	37.142	52.904	-21.096	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11510.000	15.705	37.085	52.790	-21.210	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11510.000	15.705	35.740	51.445	-22.555	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(5G Band) (5795 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11590.000	15.500	37.063	52.563	-21.437	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11590.000	15.500	36.024	51.524	-22.476	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2 MIMO: Transmit - 802.11ac-80BW_65Mbps(5G Band) (5775 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11550.000	16.378	37.241	53.619	-20.381	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11550.000	16.378	36.809	53.187	-20.813	74.000
Average Detector:					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
48.275	-9.940	37.482	27.542	-12.458	40.000
243.681	-6.428	35.569	29.141	-16.859	46.000
374.420	-1.202	29.502	28.300	-17.700	46.000
530.464	1.872	24.265	26.137	-19.863	46.000
658.391	2.117	26.552	28.668	-17.332	46.000
829.899	6.321	27.128	33.449	-12.551	46.000
960.638	6.391	35.112	41.503	-12.497	54.000
Vertical					
134.029	-4.557	36.427	31.871	-11.629	43.500
295.696	-7.468	35.034	27.566	-18.434	46.000
544.522	-0.790	26.632	25.842	-20.158	46.000
720.246	-0.128	35.027	34.899	-11.101	46.000
831.304	2.548	24.493	27.042	-18.958	46.000
960.638	7.166	31.530	38.696	-15.304	54.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
Horizontal					
142.464	-10.428	42.243	31.815	-11.685	43.500
277.420	-5.731	30.154	24.422	-21.578	46.000
374.420	-1.202	29.666	28.464	-17.536	46.000
522.029	1.777	22.458	24.235	-21.765	46.000
637.304	1.896	23.353	25.249	-20.751	46.000
853.797	6.548	21.878	28.426	-17.574	46.000
Vertical					
34.217	-2.154	36.544	34.390	-5.610	40.000
44.058	-3.284	36.863	33.580	-6.420	40.000
117.159	-3.074	31.052	27.978	-15.522	43.500
277.420	-8.699	30.154	21.455	-24.545	46.000
479.855	-4.368	27.482	23.113	-22.887	46.000
761.014	2.352	23.375	25.727	-20.273	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11a 6Mbps (5785MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
Horizontal					
48.275	-9.940	43.246	33.306	-6.694	40.000
235.246	-8.603	33.179	24.576	-21.424	46.000
378.638	-1.038	24.351	23.313	-22.687	46.000
479.855	-0.324	27.482	27.157	-18.843	46.000
582.478	3.461	24.149	27.610	-18.390	46.000
853.797	6.548	23.706	30.254	-15.746	46.000
Vertical					
100.290	0.009	36.810	36.819	-6.681	43.500
180.420	-9.048	37.194	28.146	-15.354	43.500
402.536	-5.843	24.895	19.052	-26.948	46.000
600.754	-2.748	31.282	28.534	-17.466	46.000
780.696	3.059	25.676	28.735	-17.265	46.000
922.681	5.533	24.139	29.672	-16.328	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
100.290	-7.403	36.542	29.138	-14.362	43.500
119.971	-9.755	36.609	26.854	-16.646	43.500
284.449	-4.848	30.804	25.956	-20.044	46.000
440.493	-2.143	27.351	25.209	-20.791	46.000
578.261	3.310	24.119	27.429	-18.571	46.000
855.203	6.581	24.061	30.641	-15.359	46.000
Vertical					
37.029	-1.773	34.505	32.733	-7.267	40.000
152.304	-6.215	36.348	30.133	-13.367	43.500
247.899	-7.905	32.554	24.648	-21.352	46.000
396.913	-4.398	25.274	20.877	-25.123	46.000
512.188	-0.482	25.448	24.966	-21.034	46.000
692.130	2.343	23.388	25.731	-20.269	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
Horizontal					
48.275	-9.940	43.173	33.233	-6.767	40.000
131.217	-10.171	36.036	25.865	-17.635	43.500
250.710	-5.817	28.539	22.722	-23.278	46.000
440.493	-2.143	27.351	25.209	-20.791	46.000
600.754	4.009	31.283	35.292	-10.708	46.000
803.188	5.066	23.322	28.387	-17.613	46.000
Vertical					
125.594	-4.060	30.615	26.555	-16.945	43.500
266.174	-8.053	31.939	23.885	-22.115	46.000
493.913	-2.341	28.718	26.377	-19.623	46.000
562.797	-5.316	24.095	18.779	-27.221	46.000
641.522	-4.102	24.849	20.748	-25.252	46.000
900.188	3.388	25.589	28.977	-17.023	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
Horizontal					
115.754	-8.856	41.476	32.619	-10.881	43.500
305.536	-2.939	27.471	24.533	-21.467	46.000
429.246	-2.319	26.147	23.828	-22.172	46.000
554.362	2.455	24.877	27.332	-18.668	46.000
763.826	4.287	26.895	31.182	-14.818	46.000
872.072	5.176	25.346	30.522	-15.478	46.000
Vertical					
117.159	-3.074	32.824	29.750	-13.750	43.500
240.870	-8.476	34.846	26.370	-19.630	46.000
333.652	-4.917	32.247	27.330	-18.670	46.000
499.536	-0.848	27.073	26.225	-19.775	46.000
680.884	1.245	24.437	25.683	-20.317	46.000
841.145	2.976	25.417	28.393	-17.607	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
Horizontal					
117.159	-9.165	32.824	23.659	-19.841	43.500
240.870	-6.583	34.846	28.264	-17.736	46.000
350.522	-2.348	28.306	25.957	-20.043	46.000
450.333	-1.913	26.370	24.457	-21.543	46.000
540.304	2.570	28.867	31.437	-14.563	46.000
891.754	5.782	24.793	30.576	-15.424	46.000
Vertical					
37.029	-1.773	34.505	32.733	-7.267	40.000
159.333	-6.187	37.795	31.608	-11.892	43.500
315.377	-6.886	26.564	19.678	-26.322	46.000
451.739	-6.787	25.410	18.623	-27.377	46.000
515.000	-1.090	26.361	25.271	-20.729	46.000
603.565	-1.937	24.733	22.796	-23.204	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11ac-80BW_32.5Mbps(5G Band) (5775MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
34.217	-3.304	37.326	34.022	-5.978	40.000
121.377	-9.841	35.408	25.567	-17.933	43.500
288.667	-4.545	27.969	23.425	-22.575	46.000
374.420	-1.202	30.789	29.587	-16.413	46.000
675.261	2.910	25.806	28.716	-17.284	46.000
822.870	6.077	24.745	30.823	-15.177	46.000
Vertical					
129.812	-4.151	37.072	32.921	-10.579	43.500
298.507	-7.009	30.975	23.965	-22.035	46.000
398.319	-4.630	27.622	22.993	-23.007	46.000
600.754	-2.748	31.282	28.534	-17.466	46.000
763.826	2.308	27.976	30.283	-15.717	46.000
924.087	5.545	25.049	30.594	-15.406	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
Horizontal					
108.725	-7.307	44.848	37.541	-5.959	43.500
280.232	-5.510	31.505	25.995	-20.005	46.000
540.304	2.570	29.393	31.963	-14.037	46.000
720.246	3.514	34.870	38.384	-7.616	46.000
801.783	5.101	33.040	38.141	-7.859	46.000
911.435	6.163	24.958	31.121	-14.879	46.000
Vertical					
153.710	-6.217	38.620	32.403	-11.097	43.500
274.609	-8.704	40.005	31.301	-14.699	46.000
374.420	-2.179	30.789	28.610	-17.390	46.000
461.580	-3.367	26.627	23.260	-22.740	46.000
658.391	-3.058	27.000	23.941	-22.059	46.000
797.565	2.819	31.017	33.837	-12.163	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
128.406	-10.068	35.102	25.034	-18.466	43.500
240.870	-6.583	34.846	28.264	-17.736	46.000
322.406	-4.422	35.301	30.879	-15.121	46.000
403.942	-2.266	27.479	25.213	-20.787	46.000
509.377	1.292	33.145	34.437	-11.563	46.000
616.217	3.149	25.769	28.918	-17.082	46.000
Vertical					
125.594	-4.060	30.615	26.555	-16.945	43.500
281.638	-8.536	33.963	25.427	-20.573	46.000
509.377	-0.143	33.146	33.003	-12.997	46.000
600.754	-2.748	31.282	28.534	-17.466	46.000
800.377	2.829	35.158	37.988	-8.012	46.000
960.638	7.166	34.562	41.728	-12.272	54.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
118.565	-9.473	37.842	28.369	-15.131	43.500
274.609	-5.732	40.005	34.273	-11.727	46.000
432.058	-2.067	28.249	26.181	-19.819	46.000
540.304	2.570	29.393	31.963	-14.037	46.000
720.246	3.514	34.870	38.384	-7.616	46.000
883.319	6.172	24.994	31.166	-14.834	46.000
Vertical					
142.464	-6.268	44.663	38.396	-5.104	43.500
284.449	-8.158	37.679	29.521	-16.479	46.000
461.580	-3.367	26.627	23.260	-22.740	46.000
600.754	-2.748	31.282	28.534	-17.466	46.000
745.551	1.763	26.626	28.390	-17.610	46.000
960.638	7.166	34.562	41.728	-12.272	54.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
159.333	-11.557	37.795	26.238	-17.262	43.500
322.406	-4.422	35.301	30.879	-15.121	46.000
432.058	-2.067	28.249	26.181	-19.819	46.000
600.754	4.009	31.283	35.292	-10.708	46.000
720.246	3.514	34.870	38.384	-7.616	46.000
872.072	5.176	25.346	30.522	-15.478	46.000
Vertical					
117.159	-3.074	33.895	30.821	-12.679	43.500
240.870	-8.476	34.846	26.370	-19.630	46.000
364.580	-2.168	32.281	30.113	-15.887	46.000
600.754	-2.748	31.282	28.534	-17.466	46.000
720.246	-0.128	34.869	34.741	-11.259	46.000
841.145	2.976	25.417	28.393	-17.607	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11ac-80BW_65Mbps(5G Band) (5775MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
129.812	-10.120	37.347	27.227	-16.273	43.500
274.609	-5.732	40.005	34.273	-11.727	46.000
342.087	-3.360	33.041	29.681	-16.319	46.000
720.246	3.514	34.870	38.384	-7.616	46.000
798.971	5.150	30.999	36.149	-9.851	46.000
983.130	7.394	26.161	33.555	-20.445	54.000
Vertical					
117.159	-3.074	33.895	30.821	-12.679	43.500
374.420	-2.179	30.789	28.610	-17.390	46.000
479.855	-4.368	27.482	23.113	-22.887	46.000
540.304	0.105	29.393	29.498	-16.502	46.000
619.029	-2.593	24.195	21.602	-24.398	46.000
724.464	-0.135	24.750	24.615	-21.385	46.000

Note:

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

4. Band Edge

4.1. Test Equipment

RF Conducted Measurement

The following test equipments are used during the band edge tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun., 2015
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun., 2015
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2015
	8-WAY Power Divider	JFW	50PD-647 / 526770 0916	Apr., 2015

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

RF Radiated Measurement:

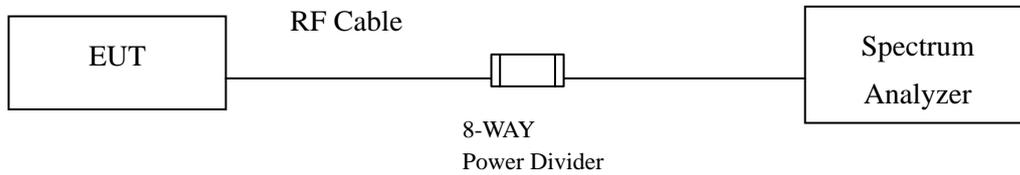
The following test equipments are used during the band edge tests:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒ CB # 8	X	Spectrum Analyzer	R&S	FSP40/ 100339	Oct., 2015
	X	Horn Antenna	ETS-Lindgren	3117/ 35205	Mar., 2015
	X	Horn Antenna	Schwarzbeck	BBHA9170/209	Jan., 2015
	X	Horn Antenna	TRC	AH-0801/95051	Aug., 2015
	X	Pre-Amplifier	EMCI	EMC012630SE/980210	Jan., 2015
	X	Pre-Amplifier	MITEQ	JS41-001040000-58-5P/153945	Jul., 2015
	X	Pre-Amplifier	NARDA	DBL-1840N506/013	Jul., 2015

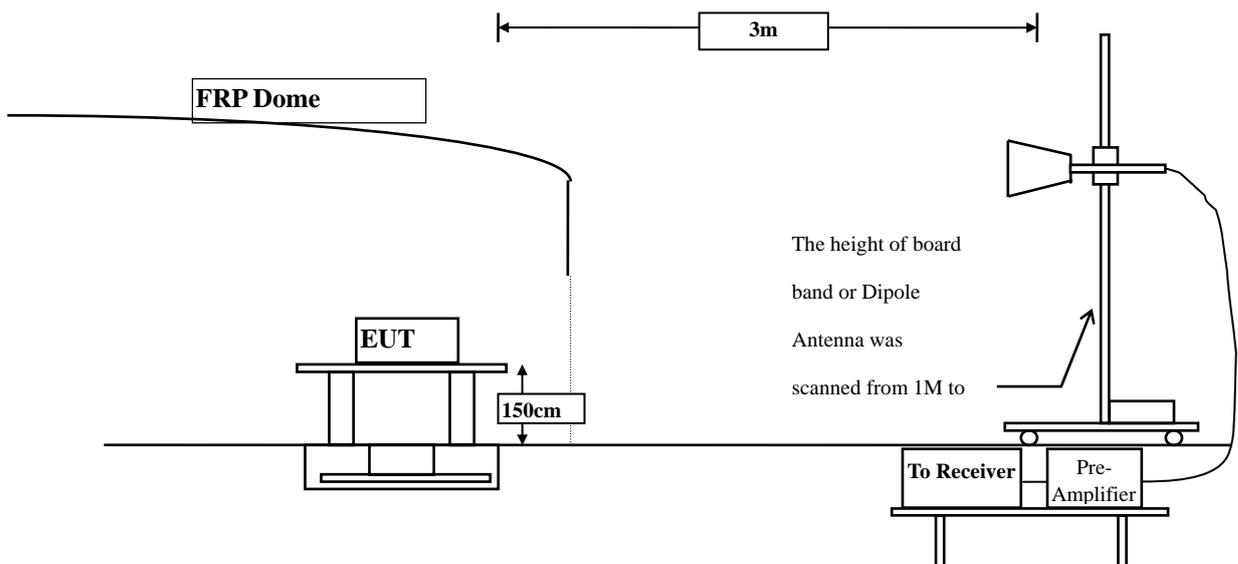
- Note:
1. All instruments are calibrated every one year.
 2. The test instruments marked by “X” are used to measure the final test results.

4.2. Test Setup

RF Conducted Measurement



RF Radiated Measurement:



4.3. 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.

4.4. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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 from 1 meter to 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.

4.5. Uncertainty

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

4.6. Test Result of Band Edge

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11b 1Mbps) (2412MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2386.200	-1.541	49.898	48.357	74.00	54.00	Pass
01 (Peak)	2390.000	-1.543	47.995	46.452	74.00	54.00	Pass
01 (Peak)	2396.800	-1.547	55.963	54.416	--	--	--
01 (Peak)	2400.000	-1.549	52.628	51.079	--	--	--
01 (Peak)	2410.900	-1.450	98.640	97.190	--	--	--
01 (Average)	2386.500	-1.541	40.342	38.801	74.00	54.00	Pass
01 (Average)	2390.000	-1.543	38.886	37.343	74.00	54.00	Pass
01 (Average)	2397.900	-1.548	49.857	48.310	--	--	--
01 (Average)	2400.000	-1.549	43.402	41.853	--	--	--
01 (Average)	2411.200	-1.447	95.417	93.970	--	--	--

Figure Channel 01:

Horizontal (Peak)

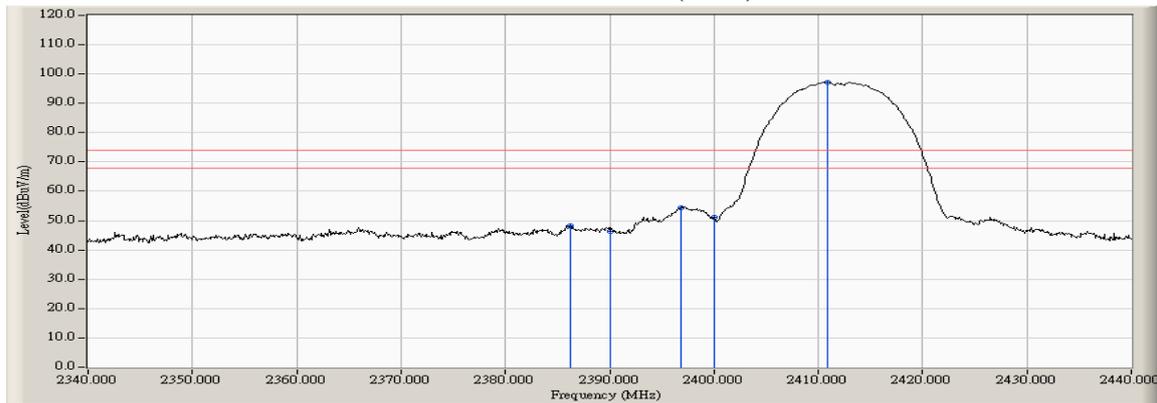
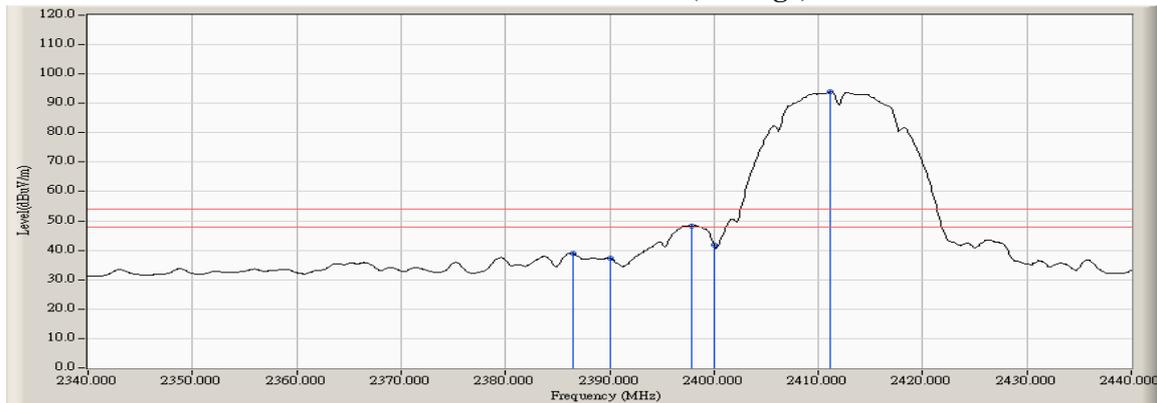


Figure Channel 01:

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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11b 1Mbps) (2412MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2386.100	-1.541	48.326	46.785	74.00	54.00	Pass
01 (Peak)	2390.000	-1.543	46.393	44.850	74.00	54.00	Pass
01 (Peak)	2396.900	-1.547	55.595	54.048	--	--	--
01 (Peak)	2400.000	-1.549	50.608	49.059	--	--	--
01 (Peak)	2411.000	-1.449	97.644	96.195	--	--	--
01 (Average)	2386.000	-1.541	39.802	38.261	74.00	54.00	Pass
01 (Average)	2390.000	-1.543	37.601	36.058	74.00	54.00	Pass
01 (Average)	2397.300	-1.547	49.342	47.795	--	--	--
01 (Average)	2400.000	-1.549	43.165	41.616	--	--	--
01 (Average)	2411.200	-1.447	94.381	92.934	--	--	--

Figure Channel 01:

Vertical (Peak)

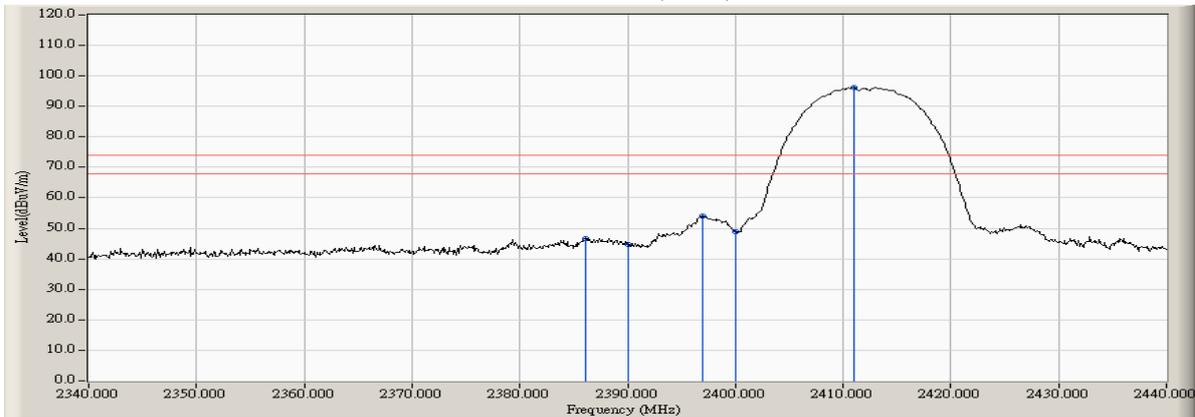
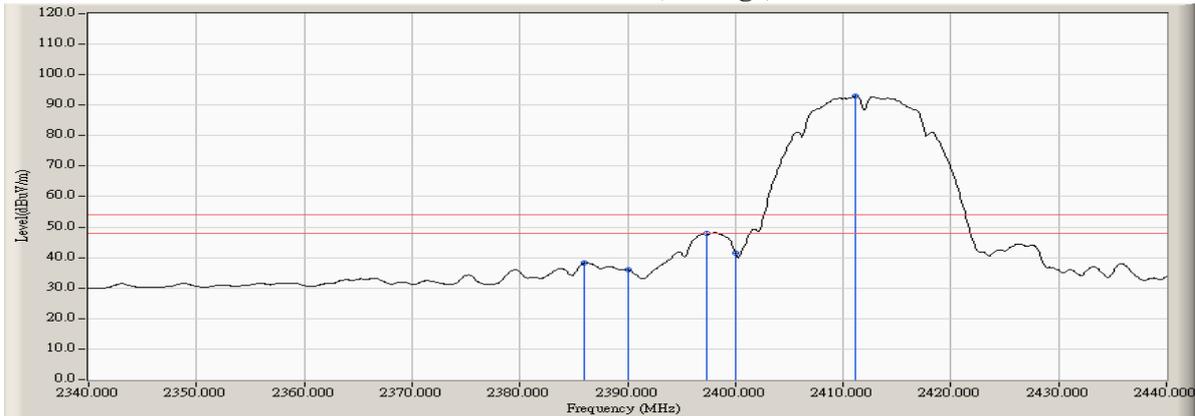


Figure Channel 01:

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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11b 1Mbps) (2462MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
11 (Peak)	2461.000	-1.467	96.375	94.908	--	--	--
11 (Peak)	2483.500	-1.168	45.196	44.027	74.00	54.00	Pass
11 (Peak)	2484.100	-1.161	46.071	44.910	74.00	54.00	Pass
11 (Average)	2461.200	-1.464	93.153	91.689	--	--	--
11 (Average)	2483.500	-1.168	36.006	34.837	74.00	54.00	Pass
11 (Average)	2483.900	-1.163	36.651	35.487	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

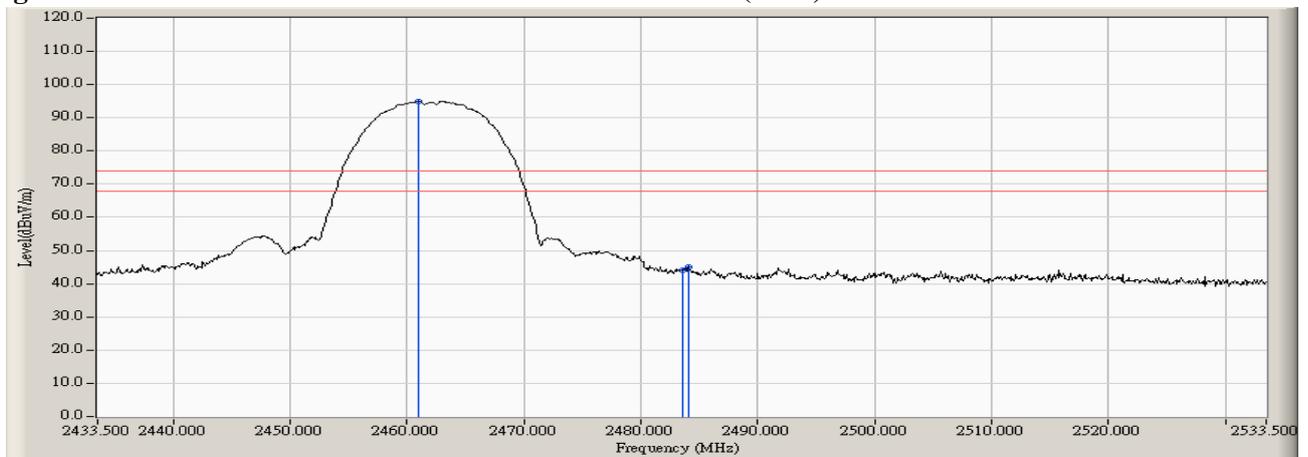


Figure Channel 11: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11b 1Mbps) (2462MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
11 (Peak)	2463.000	-1.440	99.599	98.159	--	--	--
11 (Peak)	2483.500	-1.168	48.589	47.420	74.00	54.00	Pass
11 (Peak)	2483.900	-1.163	49.880	48.716	74.00	54.00	Pass
11 (Average)	2461.200	-1.464	96.689	95.225	--	--	--
11 (Average)	2483.500	-1.168	40.423	39.254	74.00	54.00	Pass
11 (Average)	2483.900	-1.163	41.407	40.243	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

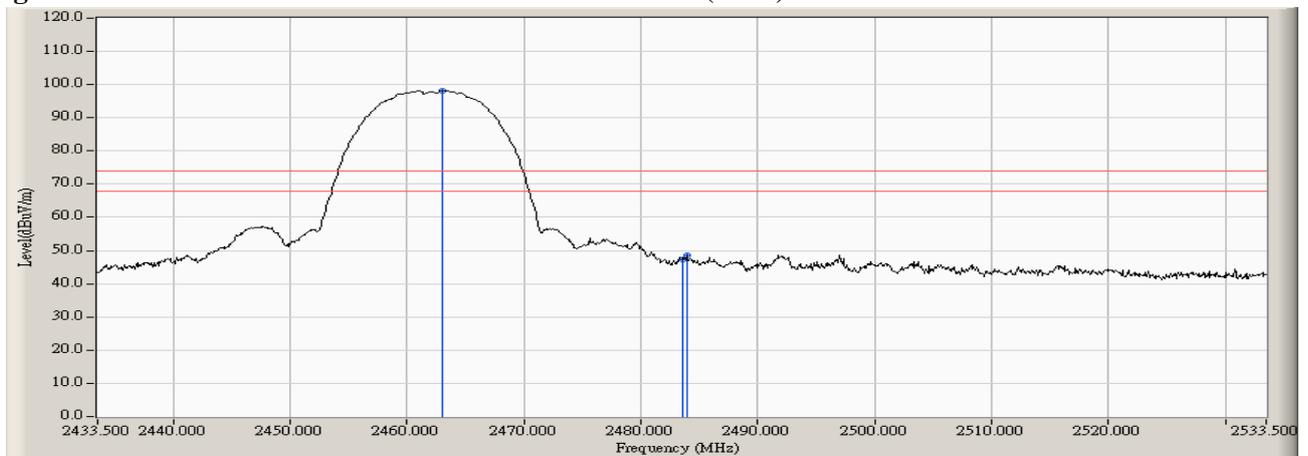
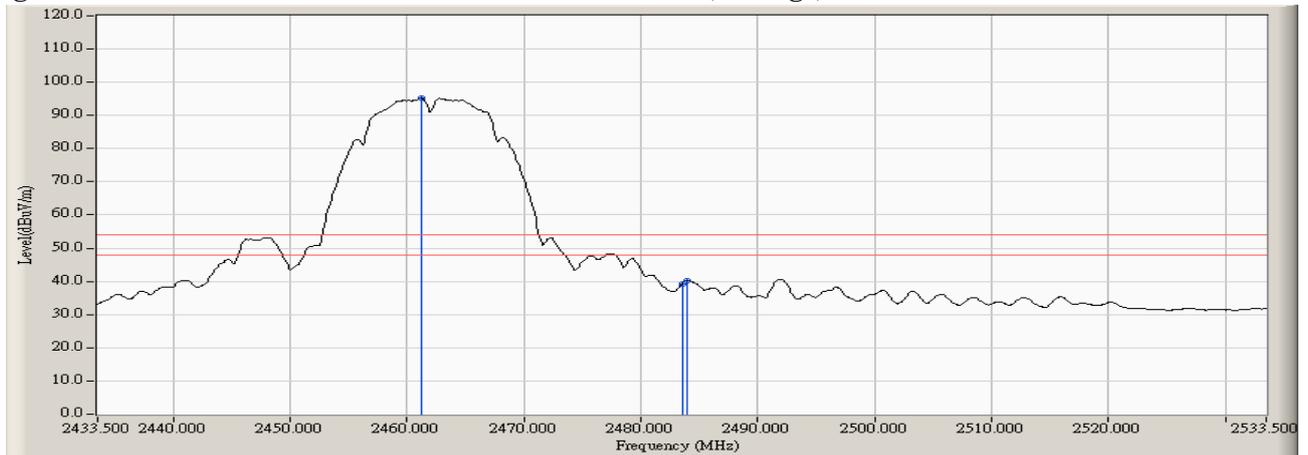


Figure Channel 11: Vertical (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11g 6Mbps) (2412MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2386.300	-1.541	56.631	55.090	74.00	54.00	Pass
01 (Peak)	2390.000	-1.543	56.474	54.931	74.00	54.00	Pass
01 (Peak)	2400.000	-1.549	76.317	74.768	--	--	--
01 (Peak)	2410.100	-1.459	100.550	99.091	--	--	--
01 (Average)	2390.000	-1.543	41.271	39.728	74.00	54.00	Pass
01 (Average)	2400.000	-1.549	57.920	56.371	--	--	--
01 (Average)	2410.600	-1.454	89.595	88.141	--	--	--

Figure Channel 01: Horizontal (Peak)

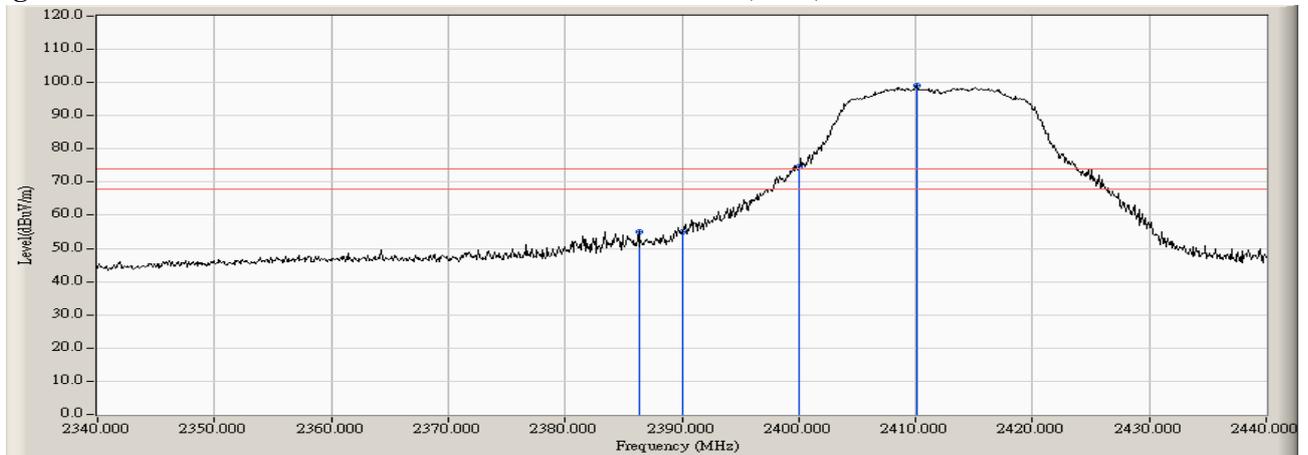
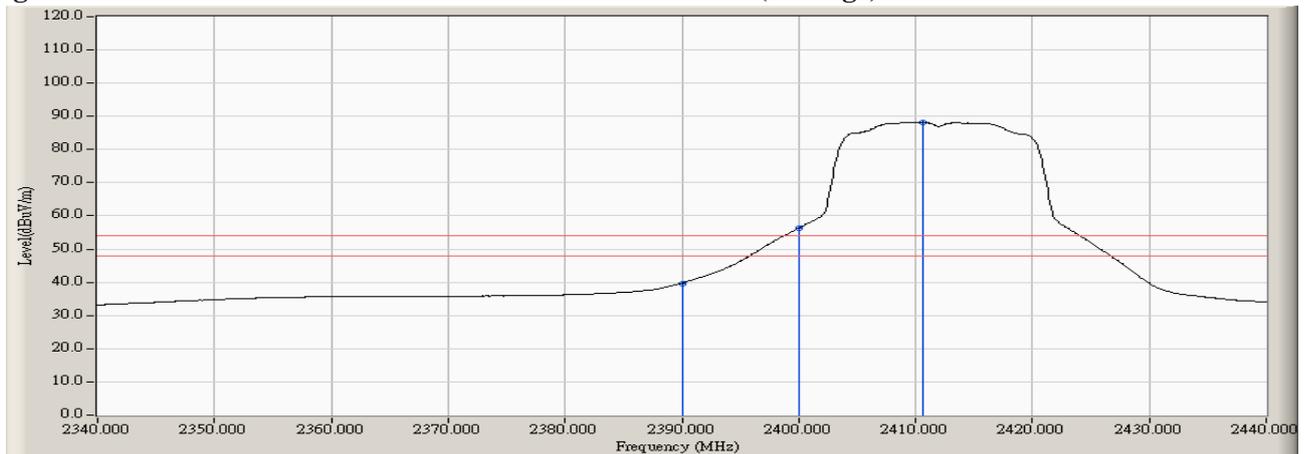


Figure Channel 01: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11g 6Mbps) (2412MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2390.000	-1.543	57.686	56.143	74.00	54.00	Pass
01 (Peak)	2400.000	-1.549	80.080	78.531	--	--	--
01 (Peak)	2415.600	-1.397	101.096	99.698	--	--	--
01 (Average)	2390.000	-1.543	41.594	40.051	74.00	54.00	Pass
01 (Average)	2400.000	-1.549	58.828	57.279	--	--	--
01 (Average)	2415.200	-1.403	90.284	88.882	--	--	--

Figure Channel 01: Vertical (Peak)

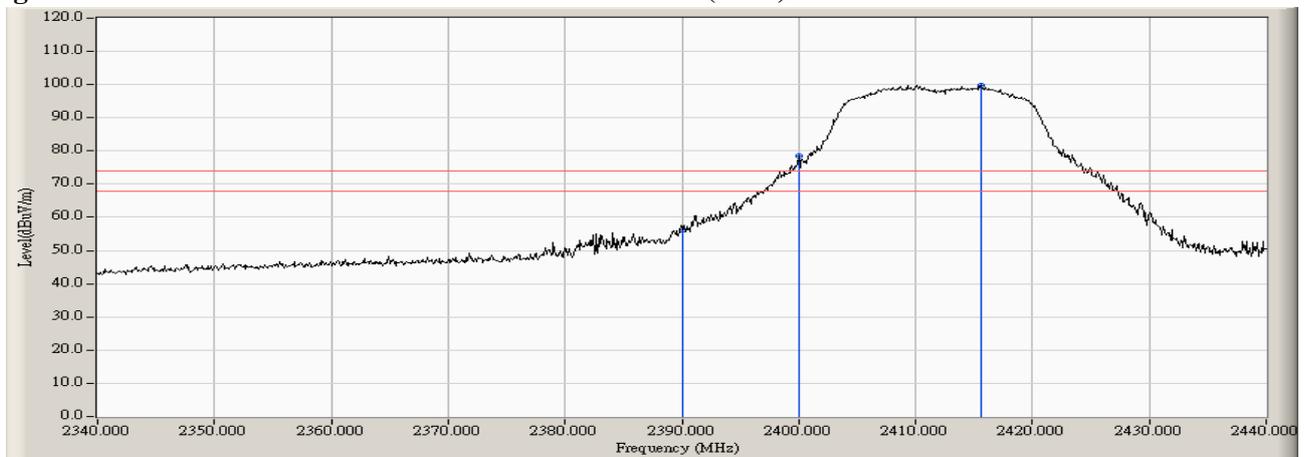
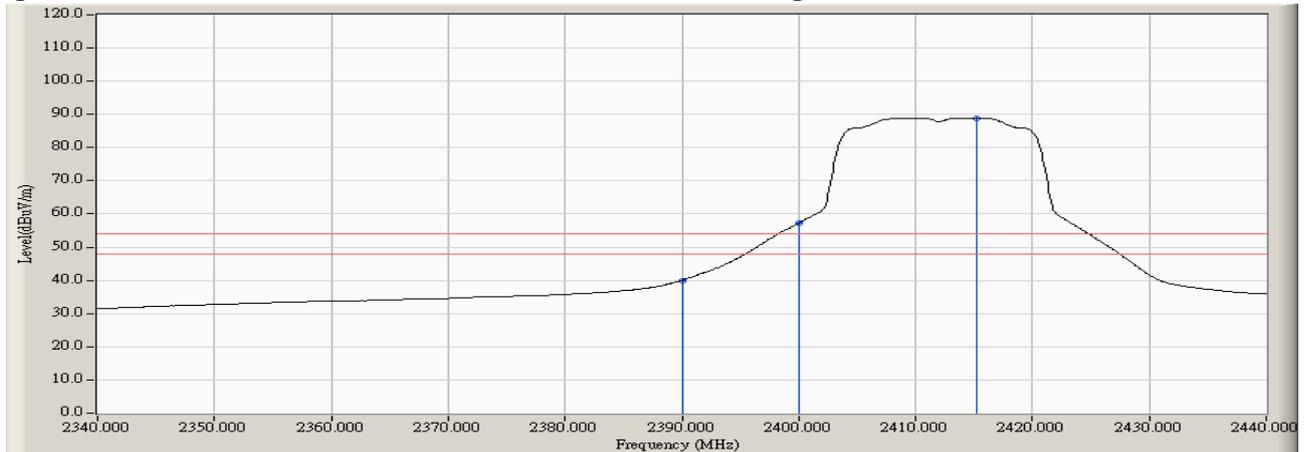


Figure Channel 01: Vertical (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11g 6Mbps) (2462MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
11 (Peak)	2459.700	-1.484	96.764	95.280	--	--	--
11 (Peak)	2483.500	-1.168	52.842	51.673	74.00	54.00	Pass
11 (Peak)	2484.400	-1.157	54.765	53.608	74.00	54.00	Pass
11 (Average)	2465.900	-1.401	85.877	84.476	--	--	--
11 (Average)	2483.500	-1.168	36.334	35.165	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

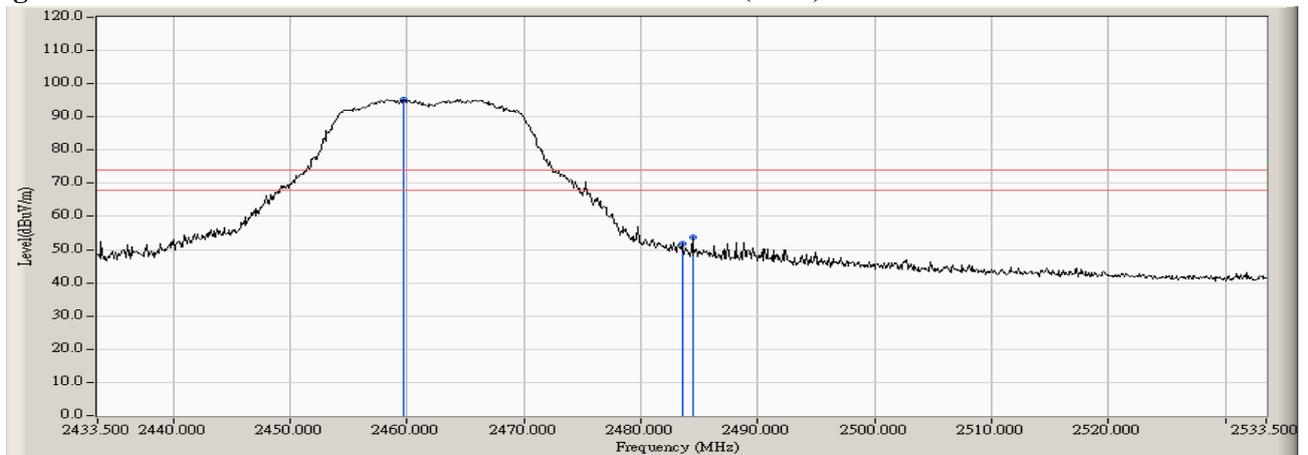
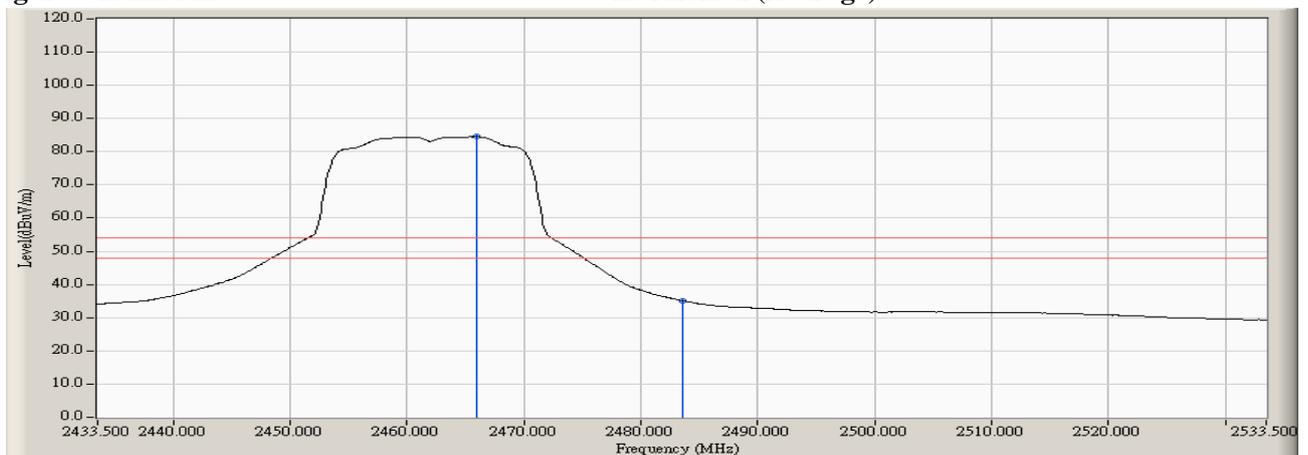


Figure Channel 11: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit (802.11g 6Mbps) (2462MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
11 (Peak)	2464.300	-1.422	99.647	98.225	--	--	--
11 (Peak)	2483.500	-1.168	54.138	52.969	74.00	54.00	Pass
11 (Peak)	2488.900	-1.099	55.921	54.822	74.00	54.00	Pass
11 (Average)	2465.700	-1.404	89.674	88.271	--	--	--
11 (Average)	2483.500	-1.168	40.594	39.425	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

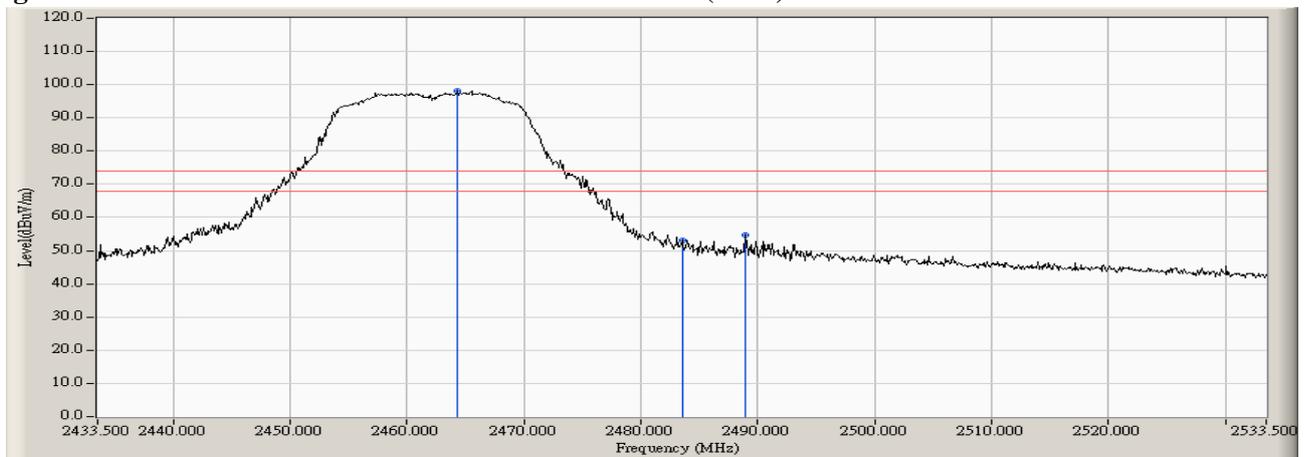
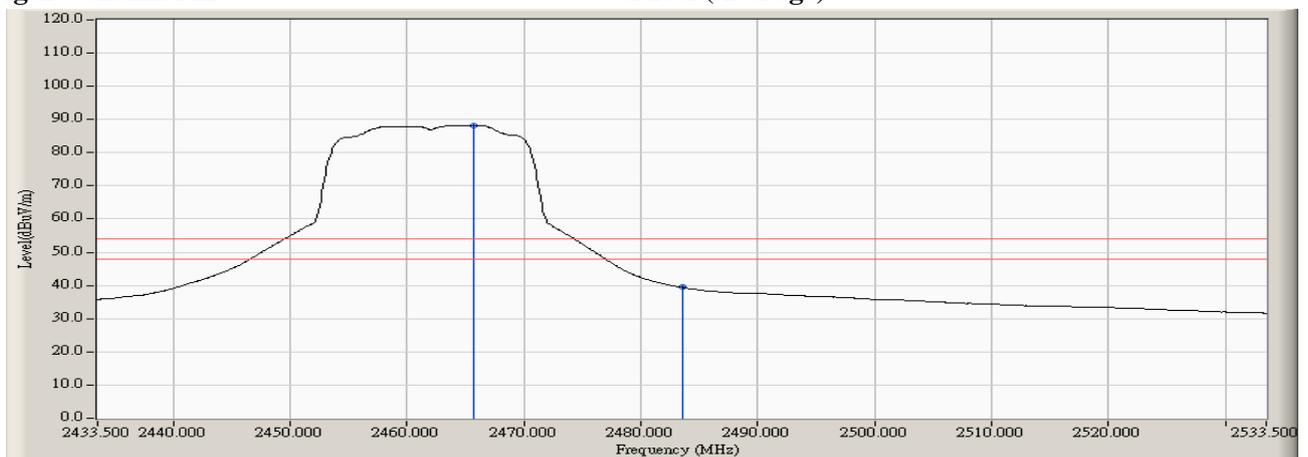


Figure Channel 11: Vertical (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band) (2412MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2389.300	-1.543	51.683	50.140	74.00	54.00	Pass
01 (Peak)	2390.000	-1.543	49.919	48.376	74.00	54.00	Pass
01 (Peak)	2400.000	-1.549	72.695	71.146	--	--	--
01 (Peak)	2413.700	-1.419	95.508	94.089	--	--	--
01 (Average)	2390.000	-1.543	35.908	34.365	74.00	54.00	Pass
01 (Average)	2400.000	-1.549	52.328	50.779	--	--	--
01 (Average)	2410.500	-1.455	85.166	83.711	--	--	--

Figure Channel 01: Horizontal (Peak)

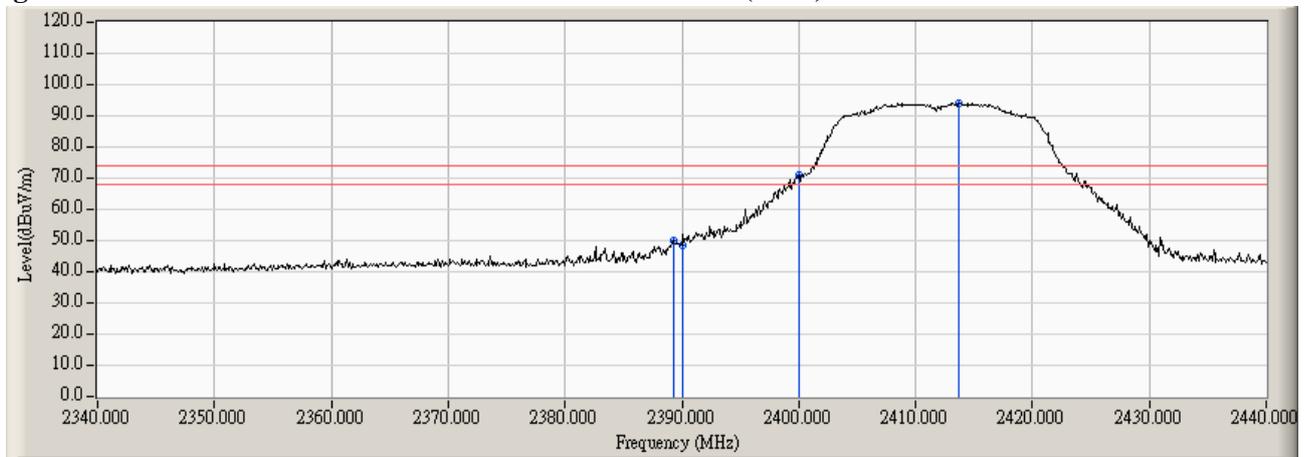
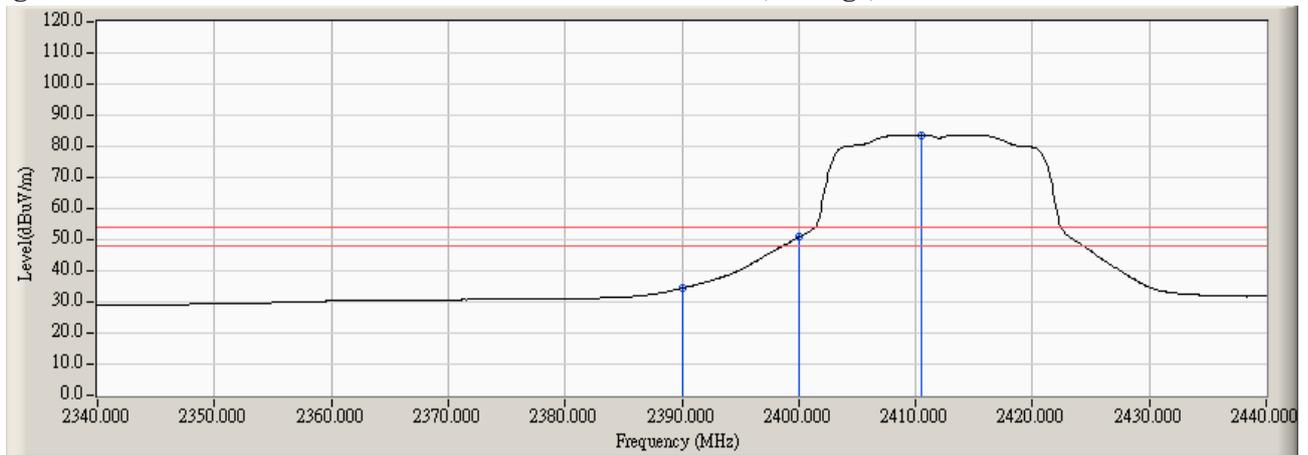


Figure Channel 01: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band) (2412MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2389.400	-1.543	58.067	56.524	74.00	54.00	Pass
01 (Peak)	2390.000	-1.543	57.858	56.315	74.00	54.00	Pass
01 (Peak)	2400.000	-1.549	76.492	74.943	--	--	--
01 (Peak)	2414.100	-1.415	99.370	97.956	--	--	--
01 (Average)	2390.000	-1.543	41.089	39.546	74.00	54.00	Pass
01 (Average)	2400.000	-1.549	56.721	55.172	--	--	--
01 (Average)	2415.200	-1.403	88.502	87.100	--	--	--

Figure Channel 01:

Vertical (Peak)

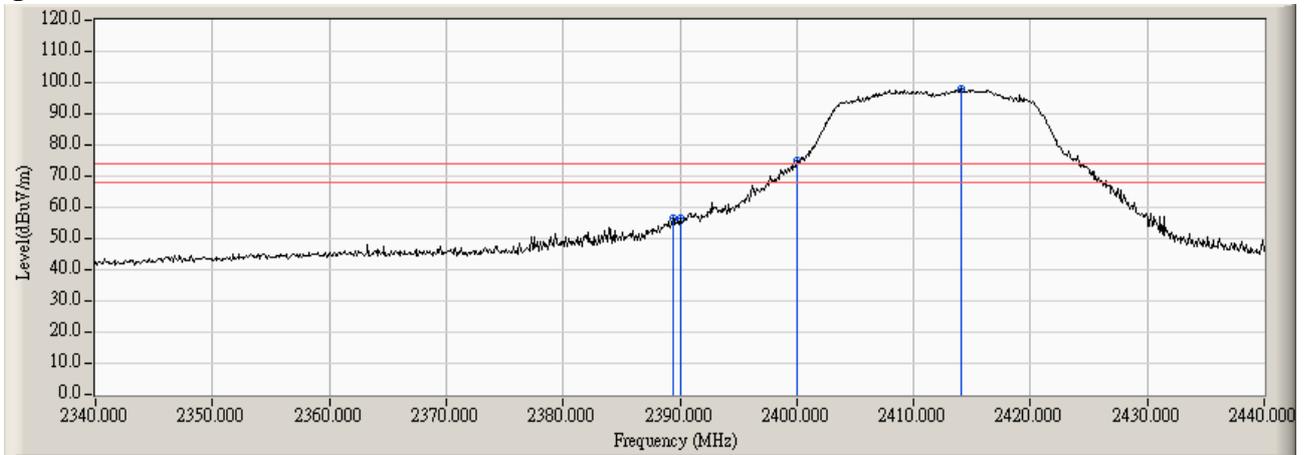
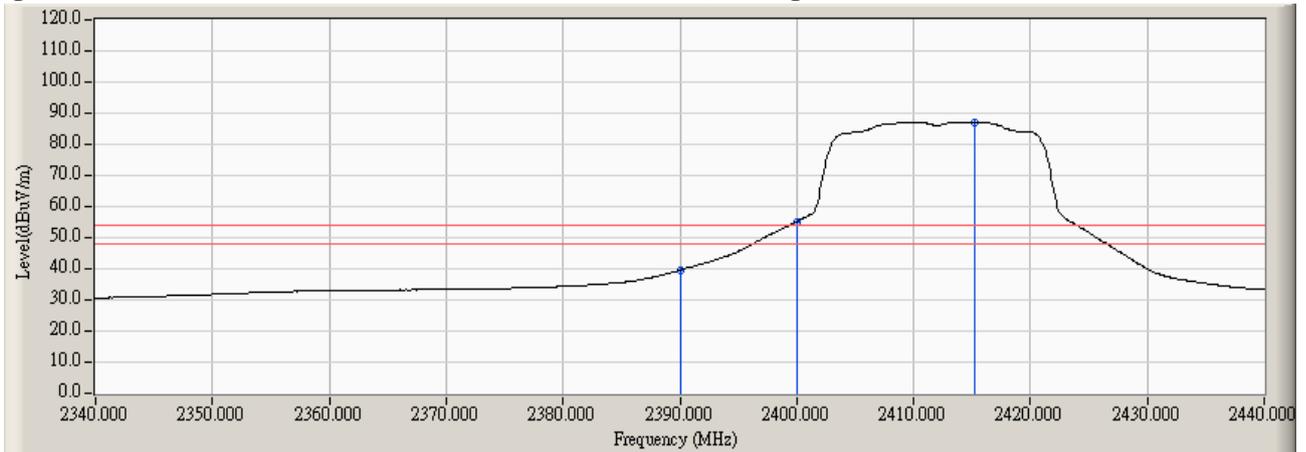


Figure Channel 01:

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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band) (2462MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
11 (Peak)	2464.400	-1.421	93.701	92.280	--	--	--
11 (Peak)	2483.500	-1.168	49.803	48.634	74.00	54.00	Pass
11 (Peak)	2483.700	-1.166	52.164	50.998	74.00	54.00	Pass
11 (Average)	2465.500	-1.406	82.503	81.097	--	--	--
11 (Average)	2483.500	-1.168	35.863	34.694	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

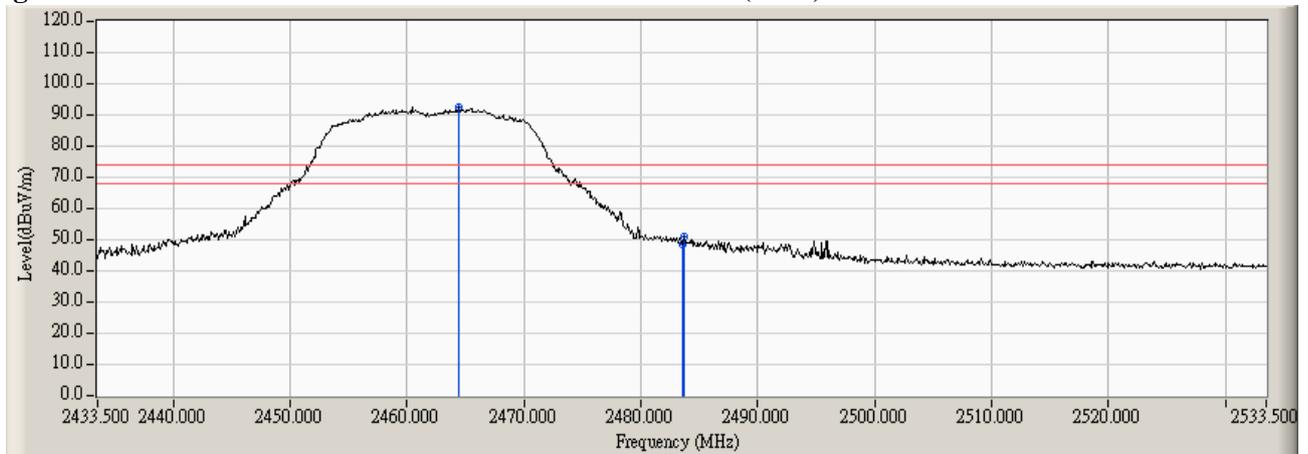
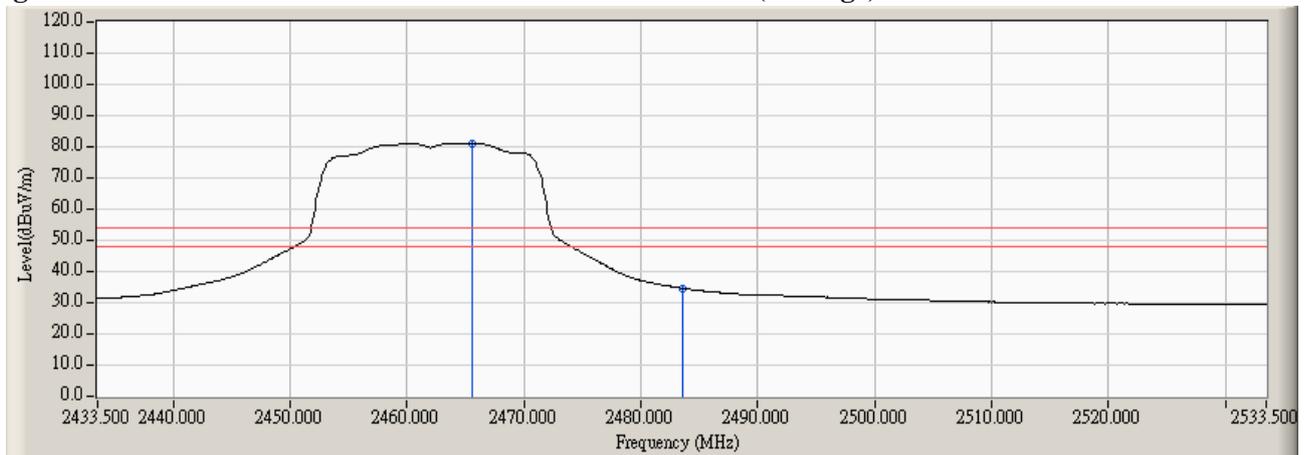


Figure Channel 11: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band) (2462MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
11 (Peak)	2457.700	-1.512	97.480	95.969	--	--	--
11 (Peak)	2483.500	-1.168	55.449	54.280	74.00	54.00	Pass
11 (Average)	2459.100	-1.492	86.947	85.455	--	--	--
11 (Average)	2483.500	-1.168	41.598	40.429	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

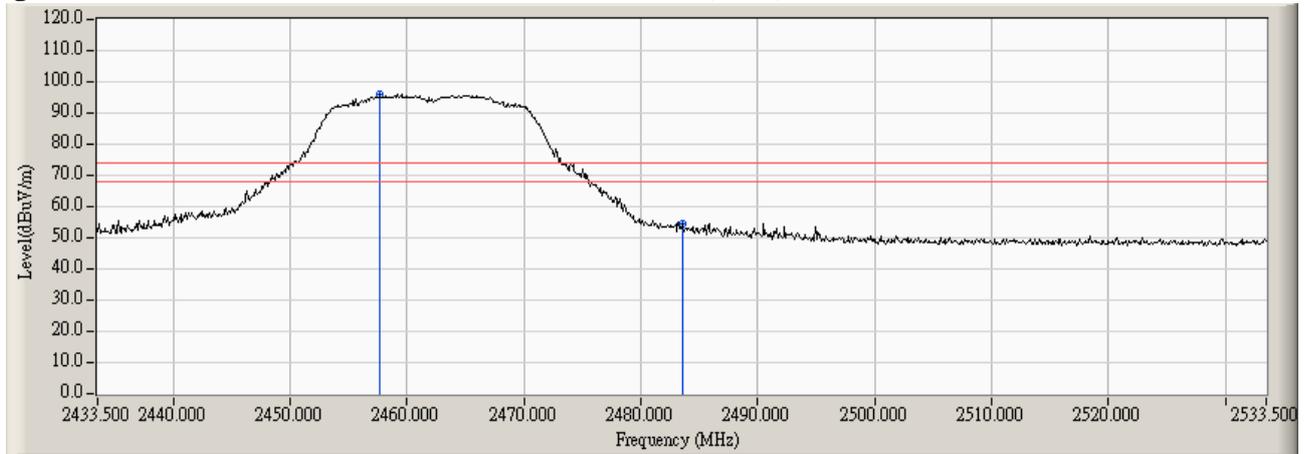
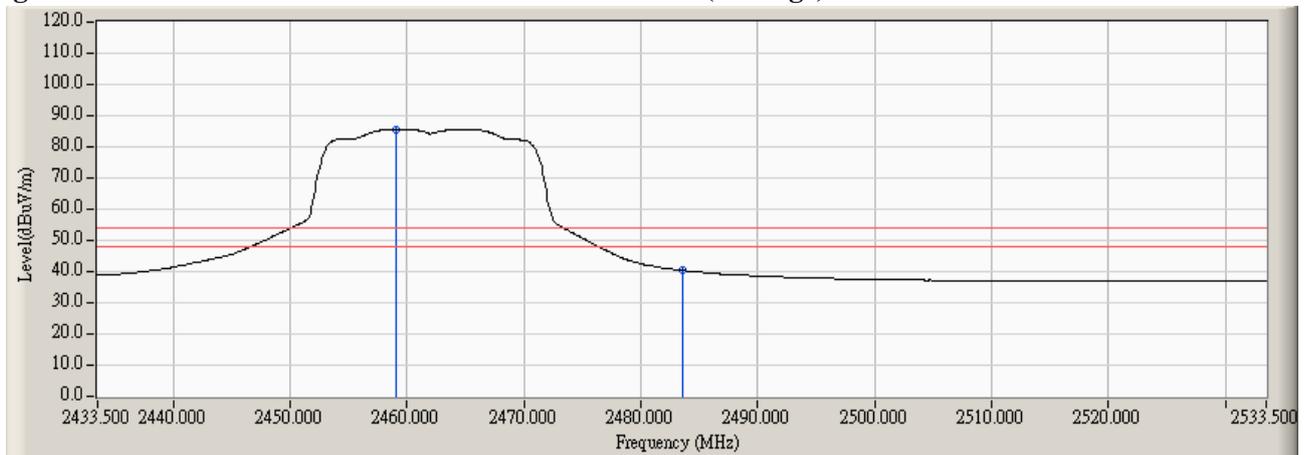


Figure Channel 11: Vertical (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band) (2422MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
03 (Peak)	2389.600	-1.543	60.298	58.755	74.00	54.00	Pass
03 (Peak)	2390.000	-1.543	59.166	57.623	74.00	54.00	Pass
03 (Peak)	2399.900	-1.549	67.520	65.972	--	--	--
03 (Peak)	2400.000	-1.549	67.251	65.702	--	--	--
03 (Peak)	2411.700	-1.441	94.008	92.567	--	--	--
03 (Average)	2390.000	-1.543	45.409	43.866	74.00	54.00	Pass
03 (Average)	2400.000	-1.549	52.966	51.417	--	--	--
03 (Average)	2410.500	-1.455	82.437	80.982	--	--	--

Figure Channel 03: Horizontal (Peak)

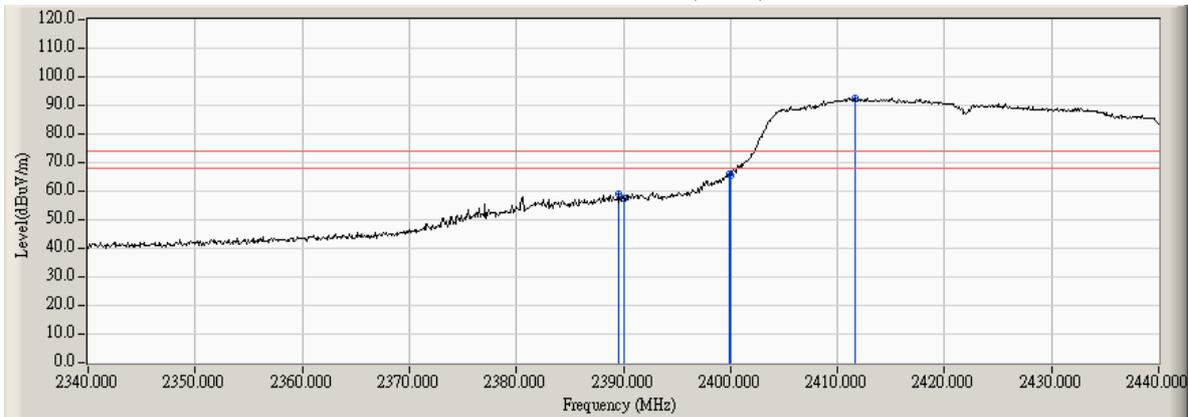
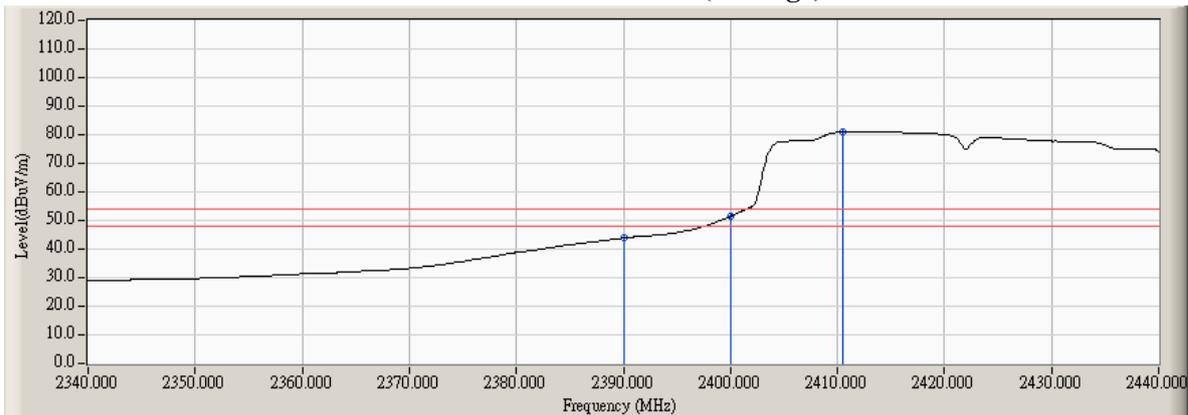


Figure Channel 03: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band) (2422MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
03 (Peak)	2389.100	-1.543	64.850	63.307	74.00	54.00	Pass
03 (Peak)	2390.000	-1.543	63.313	61.770	74.00	54.00	Pass
03 (Peak)	2399.800	-1.549	70.593	69.045	--	--	--
03 (Peak)	2400.000	-1.549	70.546	68.997	--	--	--
03 (Peak)	2413.300	-1.424	95.837	94.414	--	--	--
03 (Average)	2390.000	-1.543	49.843	48.300	74.00	54.00	Pass
03 (Average)	2400.000	-1.549	56.070	54.521	--	--	--
03 (Average)	2433.300	-1.288	84.165	82.877	--	--	--

Figure Channel 03: Vertical (Peak)

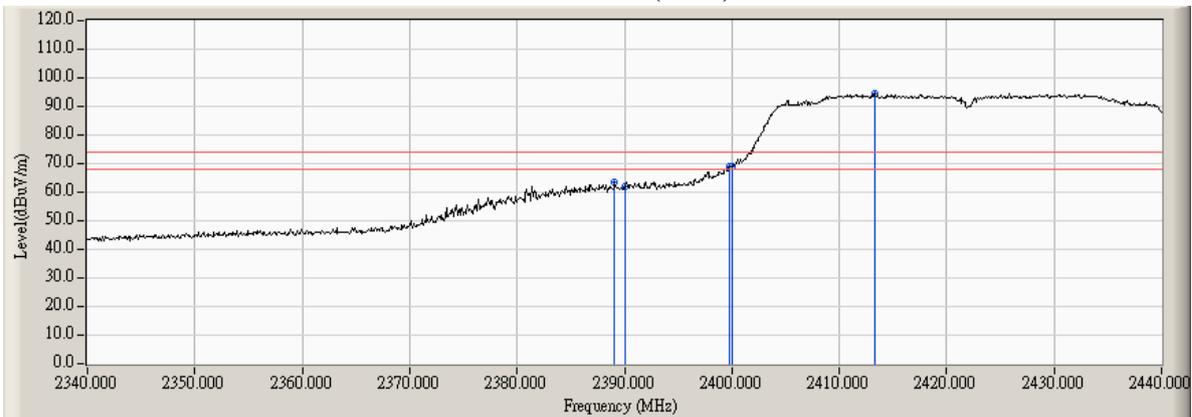
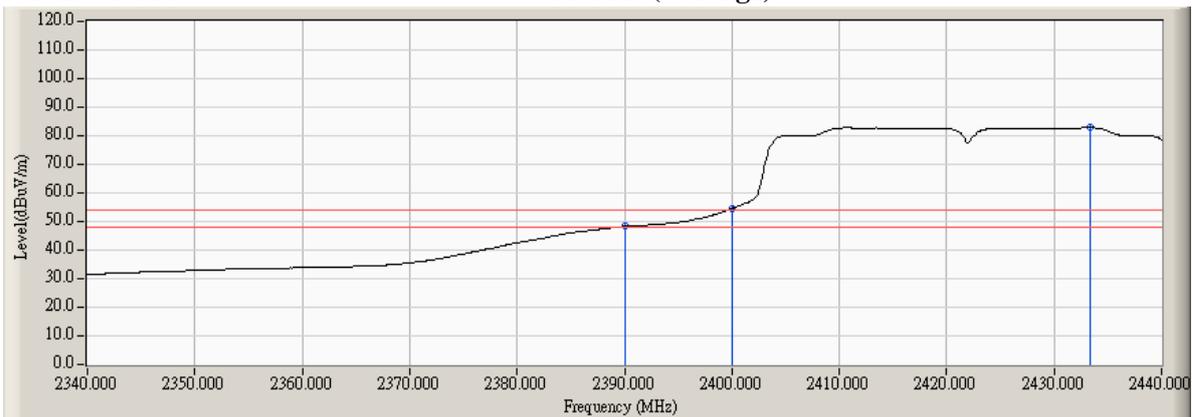


Figure Channel 03: Vertical (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band) (2452MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
09 (Peak)	2443.500	-1.349	89.494	88.145	--	--	--
09 (Peak)	2483.500	-1.168	50.506	49.337	74.00	54.00	Pass
09 (Peak)	2483.700	-1.166	51.436	50.270	74.00	54.00	Pass
09 (Average)	2449.300	-1.435	78.247	76.811	--	--	--
09 (Average)	2483.500	-1.168	38.415	37.246	74.00	54.00	Pass

Figure Channel 09: Horizontal (Peak)

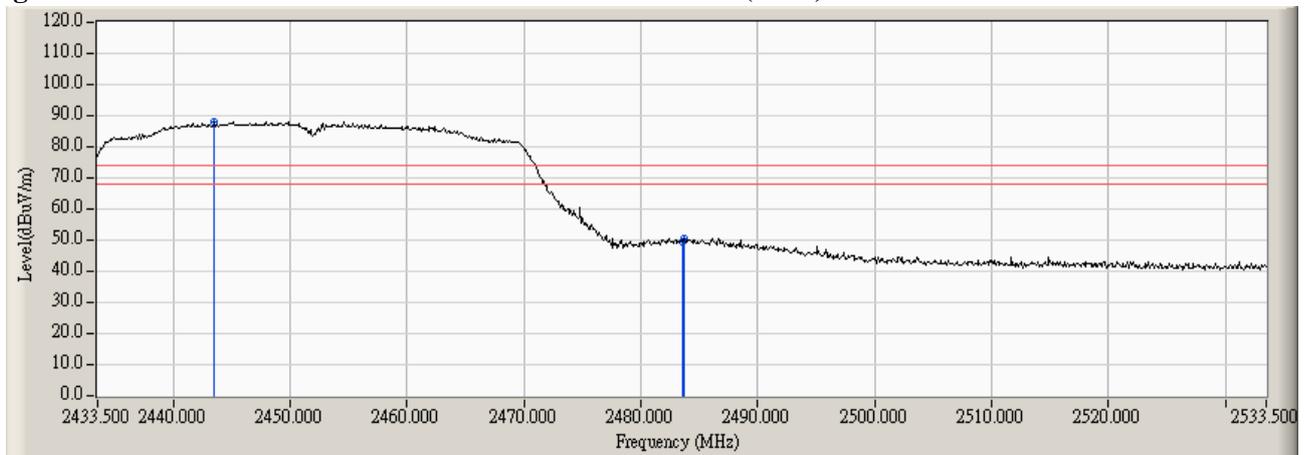
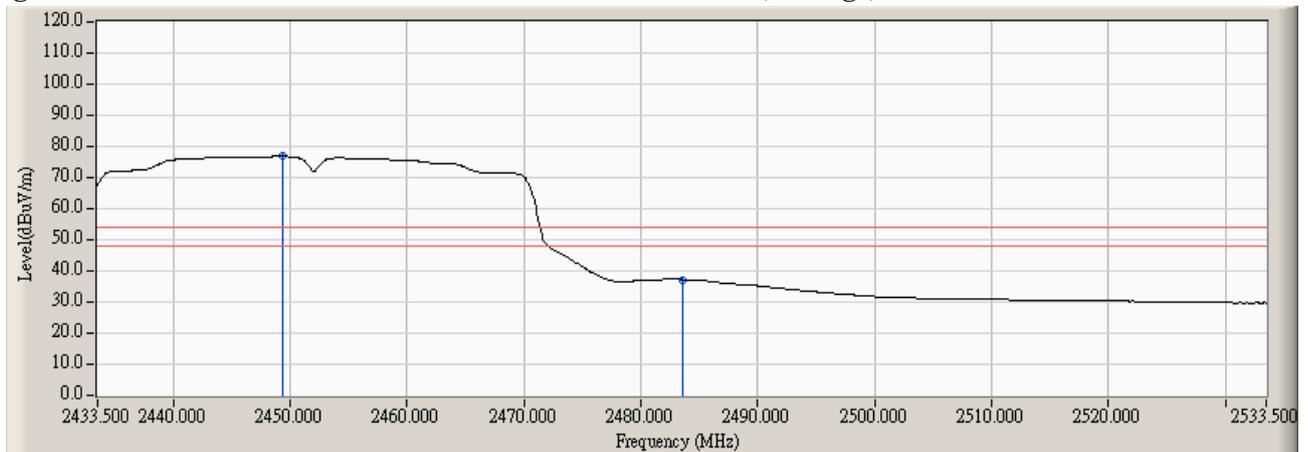


Figure Channel 09: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 1 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band) (2452MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
09 (Peak)	2463.300	-1.436	91.169	89.733	--	--	--
09 (Peak)	2483.500	-1.168	55.563	54.394	74.00	54.00	Pass
09 (Peak)	2484.200	-1.159	56.575	55.415	74.00	54.00	Pass
09 (Average)	2463.600	-1.432	79.866	78.434	--	--	--
09 (Average)	2483.500	-1.168	41.983	40.814	74.00	54.00	Pass

Figure Channel 09: Vertical (Peak)

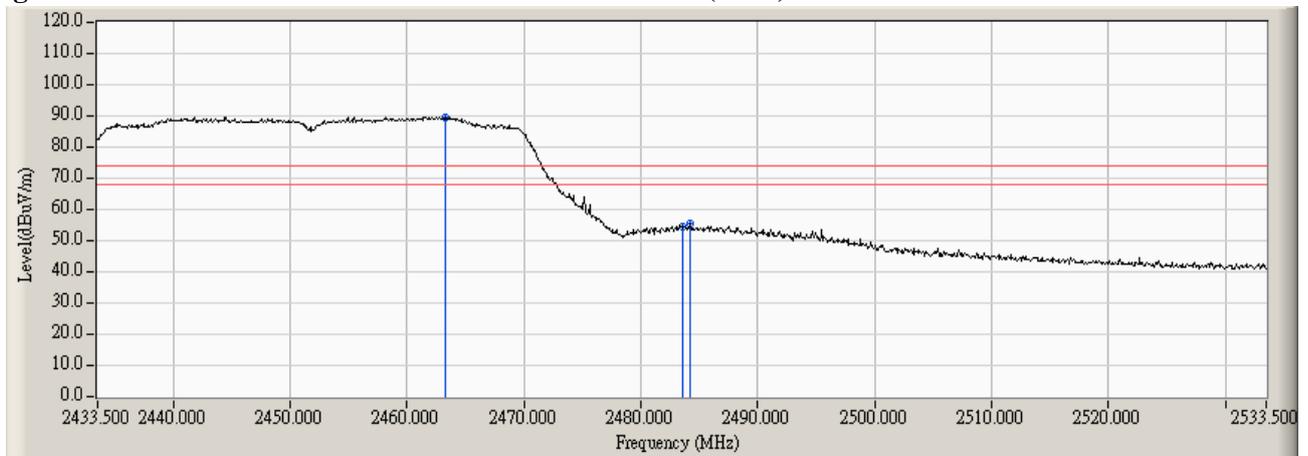
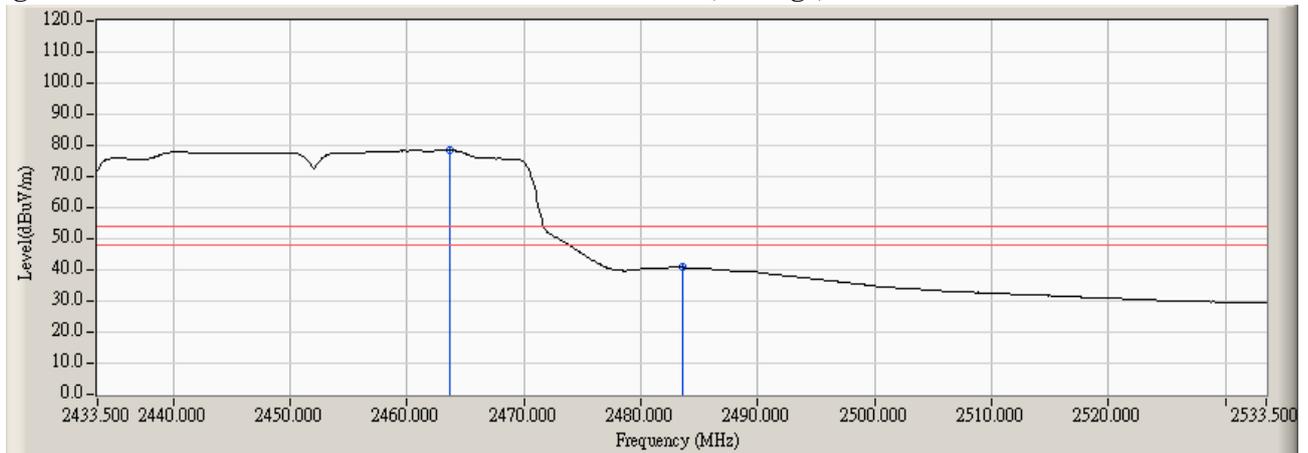


Figure Channel 09: Vertical (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2412MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2389.600	-1.543	66.745	65.202	74.00	54.00	Pass
01 (Peak)	2390.000	-1.543	64.373	62.830	74.00	54.00	Pass
01 (Peak)	2399.700	-1.549	82.606	81.058	--	--	--
01 (Peak)	2400.000	-1.549	81.230	79.681	--	--	--
01 (Peak)	2408.300	-1.479	105.508	104.029	--	--	--
01 (Average)	2390.000	-1.543	46.308	44.765	74.00	54.00	Pass
01 (Average)	2400.000	-1.549	60.515	58.966	--	--	--
01 (Average)	2415.300	-1.400	90.583	89.182	--	--	--

Figure Channel 01: Horizontal (Peak)

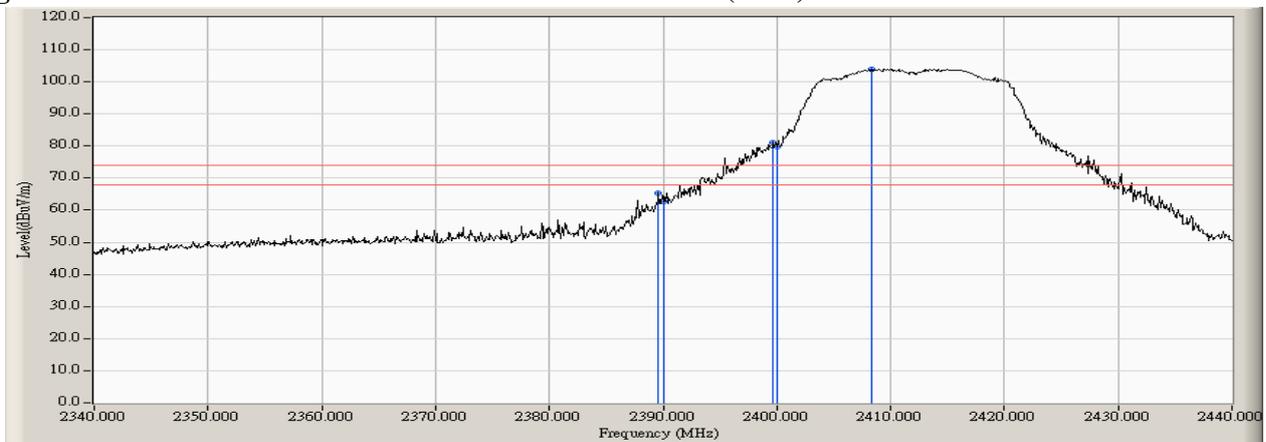
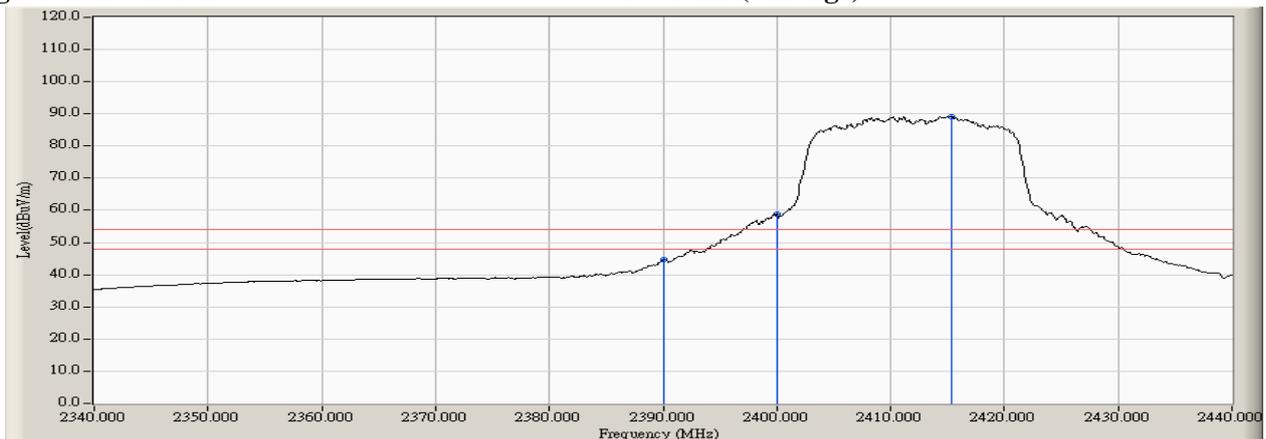


Figure Channel 01: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2412MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2388.700	-1.543	62.493	60.950	74.00	54.00	Pass
01 (Peak)	2390.000	-1.543	61.725	60.182	74.00	54.00	Pass
01 (Peak)	2400.000	-1.549	79.362	77.813	--	--	--
01 (Peak)	2416.000	-1.393	101.975	100.582	--	--	--
01 (Average)	2390.000	-1.543	43.317	41.774	74.00	54.00	Pass
01 (Average)	2400.000	-1.549	59.682	58.133	--	--	--
01 (Average)	2415.500	-1.398	90.592	89.193	--	--	--

Figure Channel 01:

Vertical (Peak)

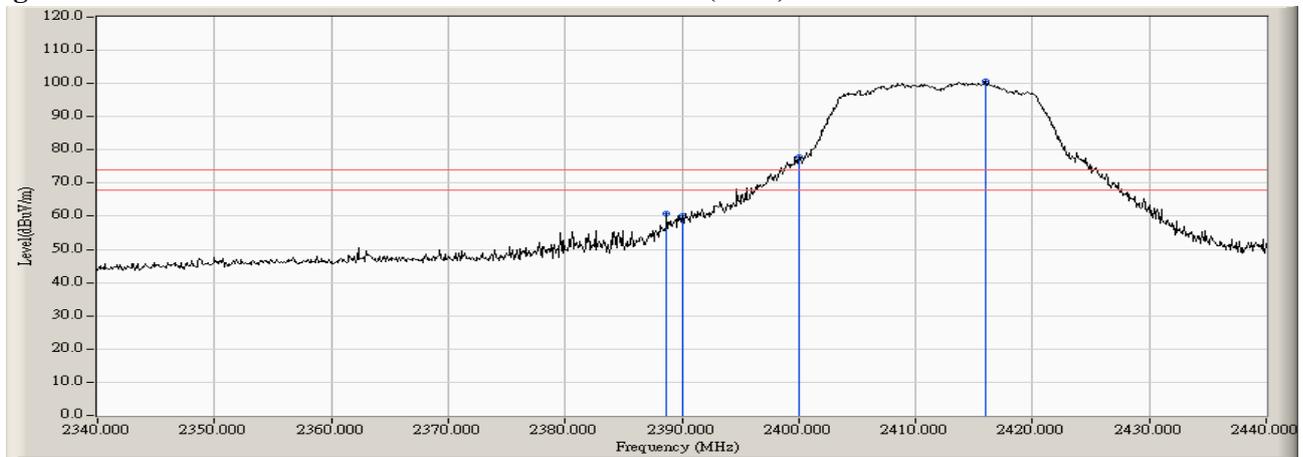
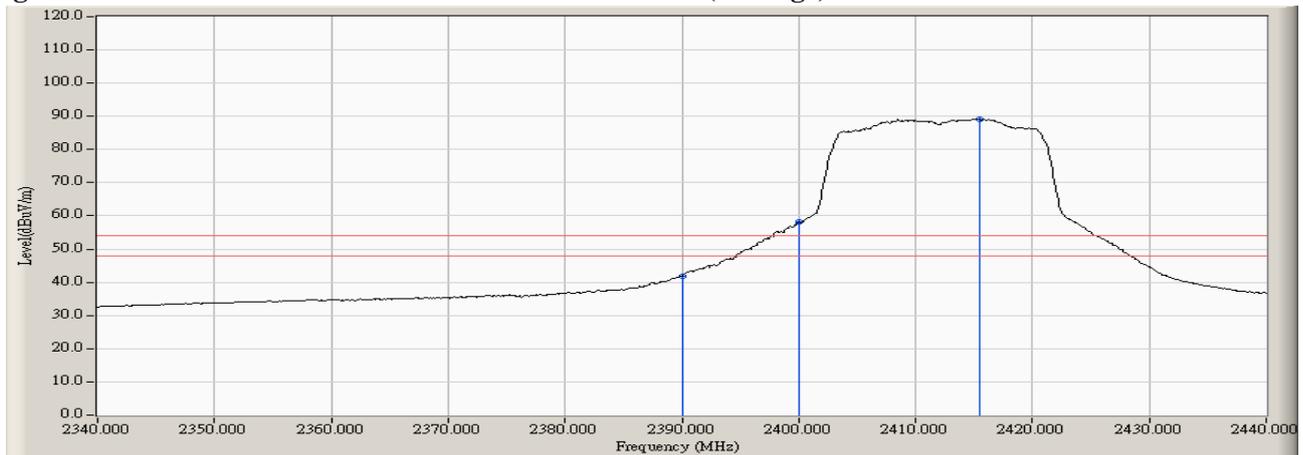


Figure Channel 01:

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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2462MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
11 (Peak)	2459.100	-1.492	99.574	98.082	--	--	--
11 (Peak)	2483.500	-1.168	49.717	48.548	74.00	54.00	Pass
11 (Peak)	2484.100	-1.161	52.935	51.774	74.00	54.00	Pass
11 (Average)	2461.300	-1.463	88.282	86.819	--	--	--
11 (Average)	2483.500	-1.168	37.254	36.085	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

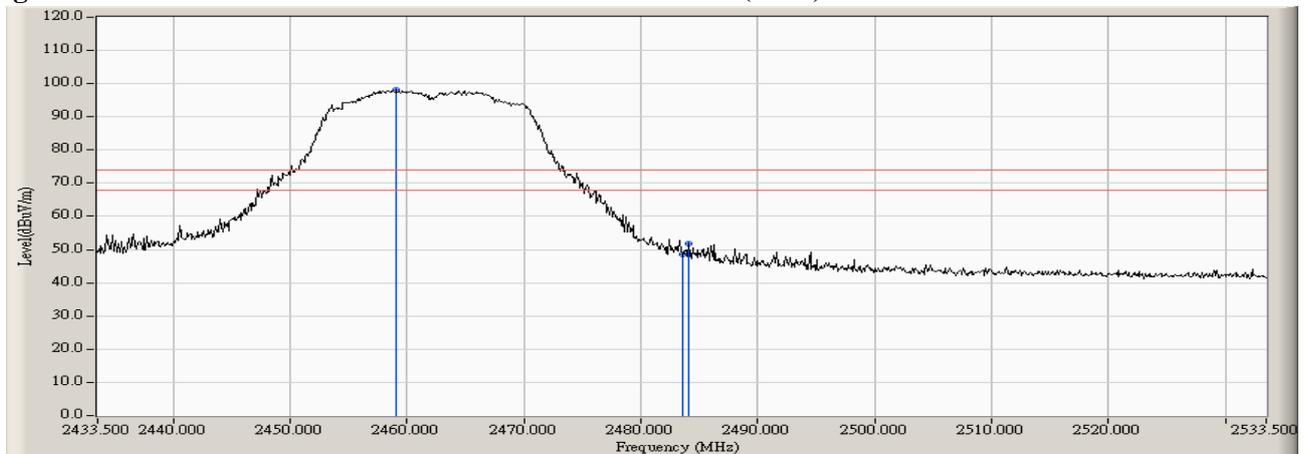
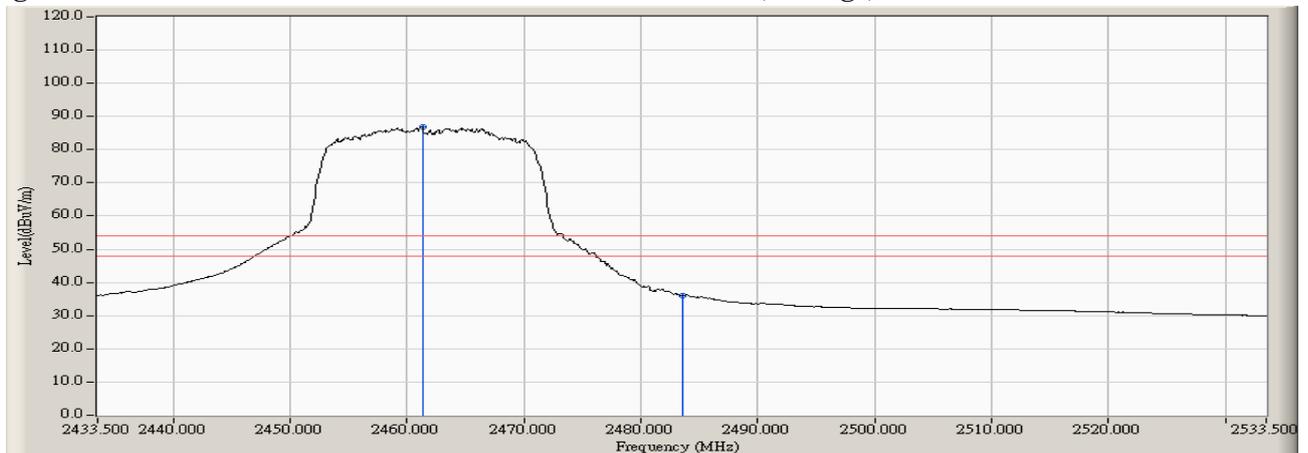


Figure Channel 11: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2462MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
11 (Peak)	2466.500	-1.392	101.833	100.440	--	--	--
11 (Peak)	2483.500	-1.168	60.512	59.343	74.00	54.00	Pass
11 (Peak)	2484.800	-1.152	62.748	61.596	74.00	54.00	Pass
11 (Average)	2465.000	-1.413	90.773	89.360	--	--	--
11 (Average)	2483.500	-1.168	44.434	43.265	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

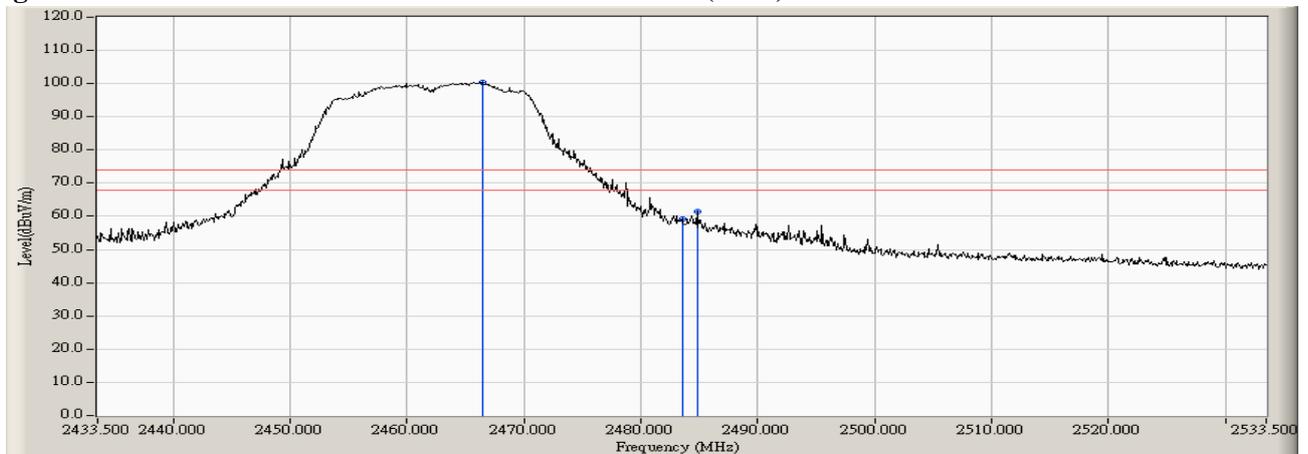
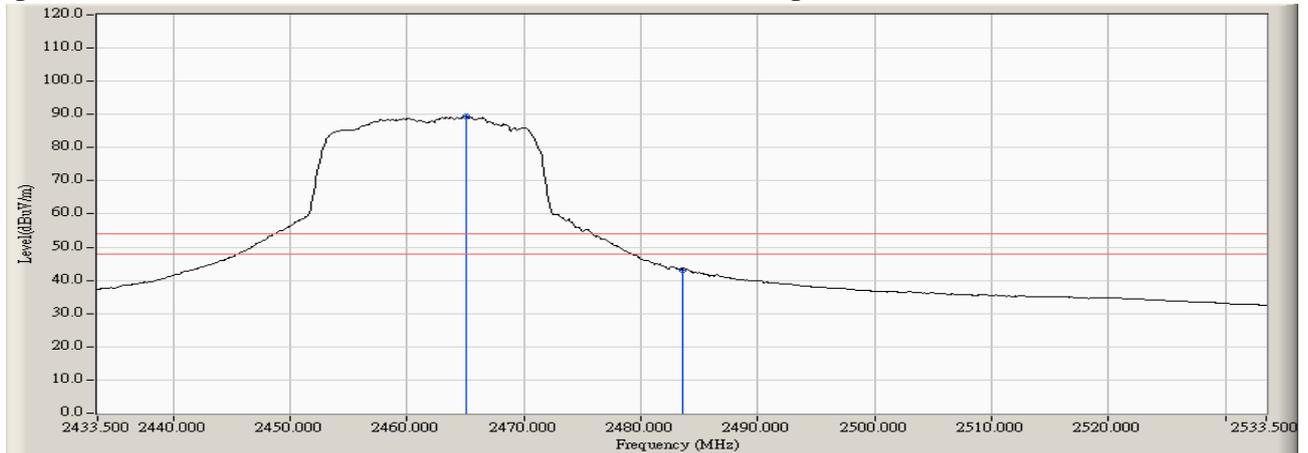


Figure Channel 11: Vertical (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2422MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
03 (Peak)	2388.400	-1.542	71.718	70.176	74.00	54.00	Pass
03 (Peak)	2390.000	-1.543	70.226	68.683	74.00	54.00	Pass
03 (Peak)	2400.000	-1.549	79.066	77.517	--	--	--
03 (Peak)	2414.300	-1.413	103.929	102.517	--	--	--
03 (Average)	2389.300	-1.543	53.024	51.481	74.00	54.00	Pass
03 (Average)	2390.000	-1.543	51.608	50.065	74.00	54.00	Pass
03 (Average)	2400.000	-1.549	60.756	59.207	--	--	--
03 (Average)	2431.200	-1.297	88.650	87.353	--	--	--

Figure Channel 03: Horizontal (Peak)

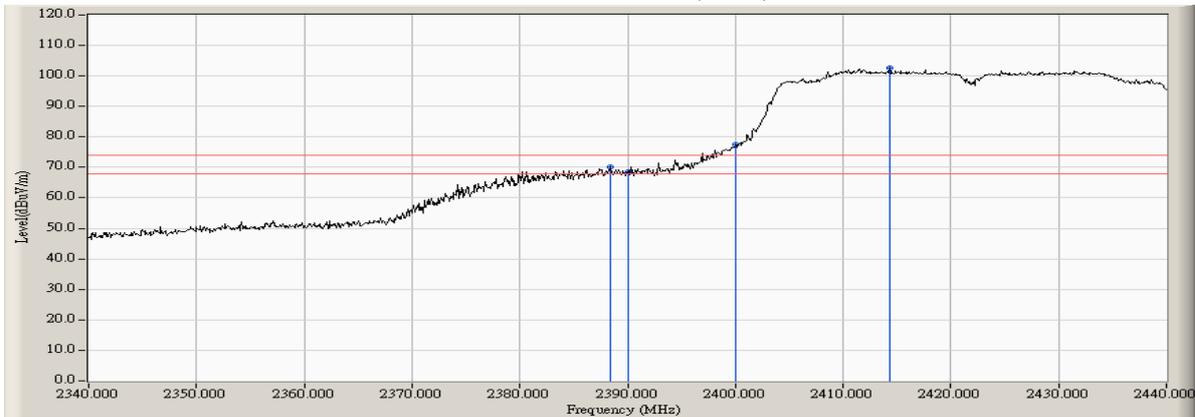
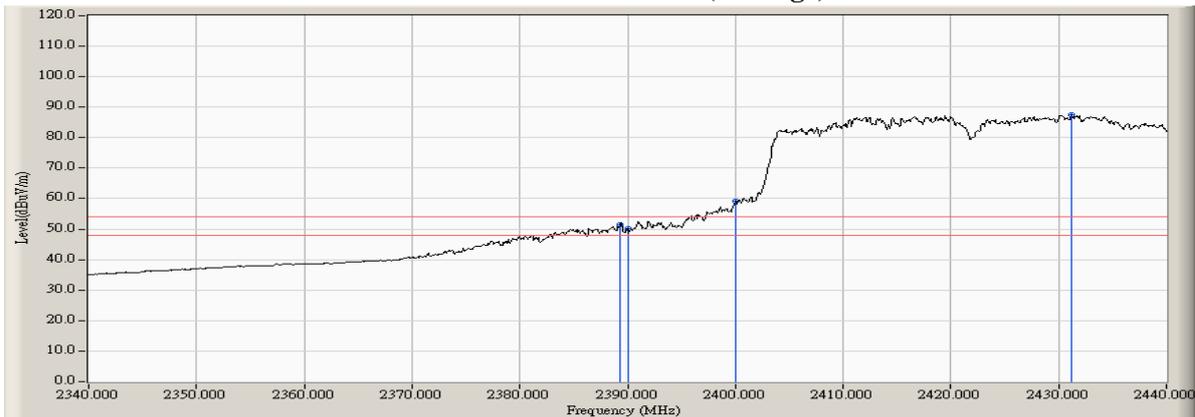


Figure Channel 03: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2422MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
03 (Peak)	2390.000	-1.543	65.248	63.705	74.00	54.00	Pass
03 (Peak)	2400.000	-1.549	74.653	73.104	--	--	--
03 (Peak)	2427.400	-1.314	99.042	97.728	--	--	--
03 (Average)	2390.000	-1.543	51.339	49.796	74.00	54.00	Pass
03 (Average)	2400.000	-1.549	58.080	56.531	--	--	--
03 (Average)	2428.500	-1.309	87.194	85.885	--	--	--

Figure Channel 03: Vertical (Peak)

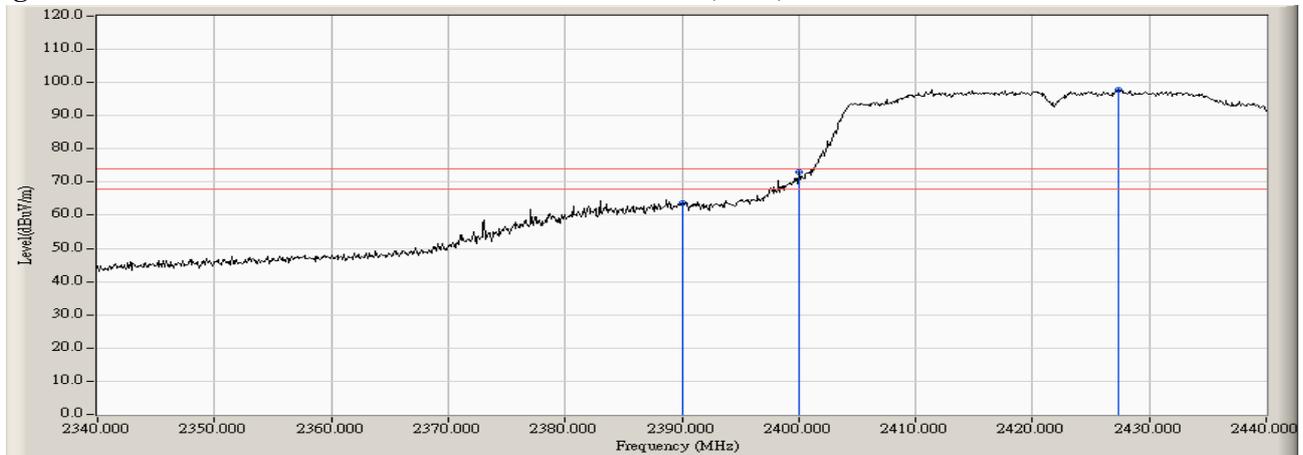
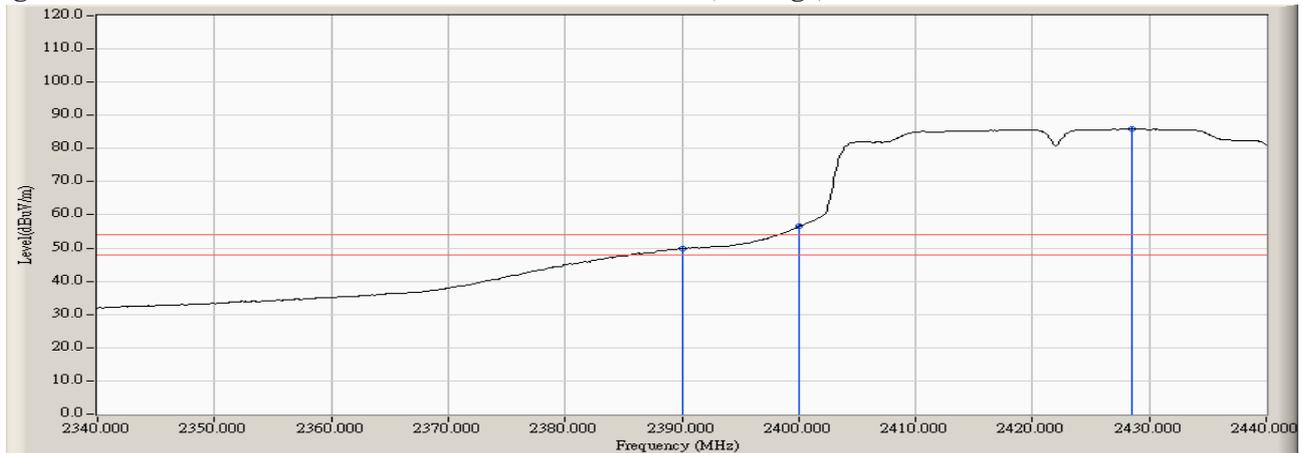


Figure Channel 03: Vertical (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2452MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
09 (Peak)	2440.300	-1.301	96.015	94.714	--	--	Pass
09 (Peak)	2483.500	-1.168	55.127	53.958	74.00	54.00	Pass
09 (Peak)	2483.900	-1.163	56.538	55.374	74.00	54.00	Pass
09 (Average)	2448.400	-1.423	83.460	82.038	--	--	Pass
09 (Average)	2483.500	-1.168	41.244	40.075	74.00	54.00	Pass

Figure Channel 09: Horizontal (Peak)

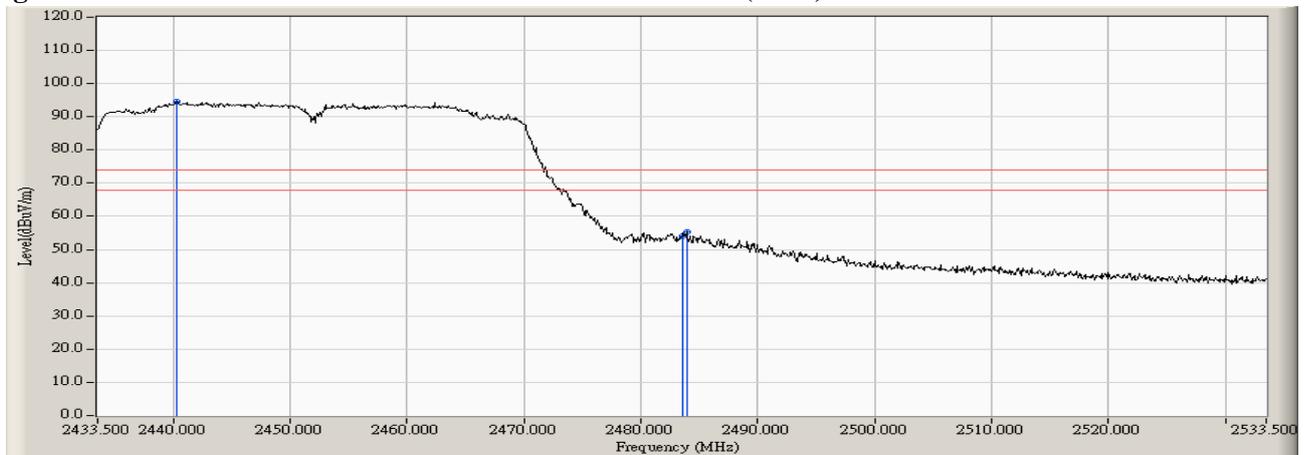
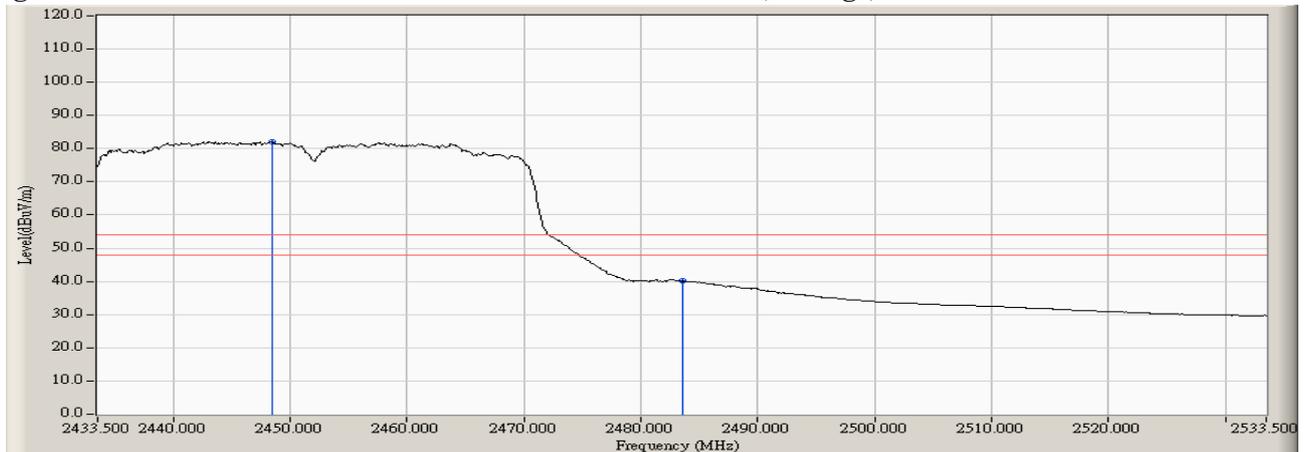


Figure Channel 09: Horizontal (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : INTEL DUAL BAND WIRELESS-AC 7265
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 2 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2452MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
09 (Peak)	2462.100	-1.452	98.417	96.965	--	--	--
09 (Peak)	2483.500	-1.168	63.044	61.875	74.00	54.00	Pass
09 (Average)	2463.500	-1.433	85.509	84.076	--	--	--
09 (Average)	2483.500	-1.168	45.509	44.340	74.00	54.00	Pass
09 (Average)	2484.200	-1.159	46.016	44.856	74.00	54.00	Pass

Figure Channel 09: Vertical (Peak)

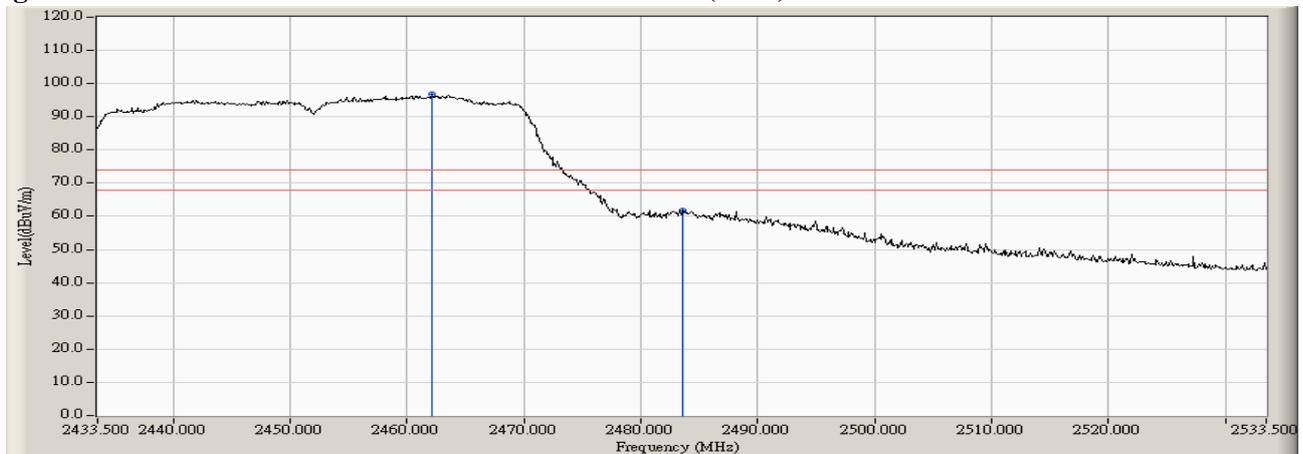
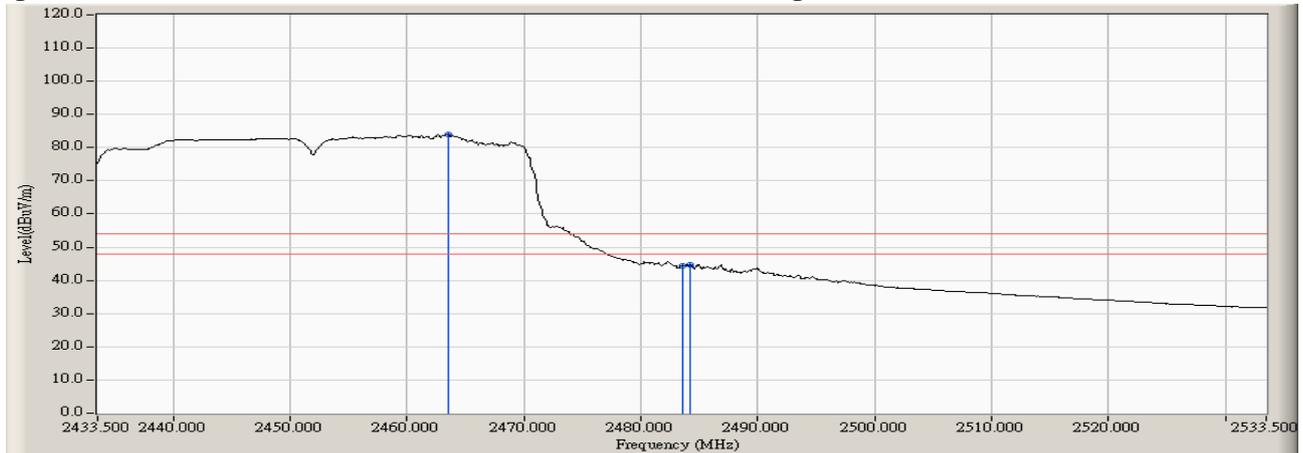


Figure Channel 09: Vertical (Average)



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 + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

5. EMI Reduction Method During Compliance Testing

No modification was made during testing.