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	July 30, 2015
Issued Date	Aug. 28, 2015
Report No.	1580109R-RFUSP06V00
Report Version	V1.0

Test Report

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
FCC ID.	MSQ7265NG
EUT Rated Voltage	DC 3.3V
EUT Test Voltage	AC 120V/60Hz
Trade Name	Intel
Applicable Standard	FCC CFR Title 47 Part 15 Subpart E: 2013 ANSI C63.4: 2014, ANSI C63.10: 2013 KDB 789033 D01 General UNII Test Procedures v01r04
Test Result	Complied

Documented By   :
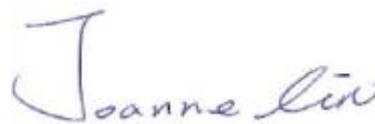
(Senior Adm. Specialist / Joanne Lin)

Tested By   :

(Engineer / Alan Chen)

Approved By   :

(Director / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	INTEL DUAL BAND WIRELESS–AC 7265
Trade Name	Intel
FCC ID.	MSQ7265NG
Model No.	7265NGW
Frequency Range	802.11a/n-20MHz: 5180-5320MHz, 5500-5700MHz 802.11n-40MHz: 5190-5310, 5510-5670MHz 802.11ac-20MHz: 5720, 802.11ac-40MHz: 5710 802.11ac-80MHz: 5210-5290MHz, 5530-5690MHz
Number of Channels	802.11a/n-20MHz: 16; 802.11n-40MHz: 7 802.11ac-20MHz: 1, 802.11ac-40MHz: 1, 802.11ac-80MHz: 4
Data Rate	802.11a: 6 - 54Mbps 802.11n: up to 300Mbps 802.11ac-80MHz: up to 866.7Mbps
Channel Control	Auto
Type of Modulation	802.11a/n:OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM
Antenna type	PIFA Antenna
Antenna Gain	Refer to the table "Antenna List"
Power Adapter	MFR: DELTA, M/N: AD883J20 Input: 100-240V~50/60Hz, 1.0A Output: 19V⎓2.37A Cable out: Shielded, 1.8m
Test Platform.	Brand Name: ASUS, M/N: Q503U

Antenna List

Mode	Manufacturer	Part No.	Peak Gain
PAD	INPAQ	WA-F-LB-02-051 (Main) WA-F-LB-02-029 (Aux)	1.62dBi For 5.15~5.25GHz 0.67dBi For 5.25~5.35GHz -0.15dBi For 5.47~5.725GHz
	Hong Lin	260-26074 (Main) 260-26075 (Aux)	1.59dBi For 5.15~5.25GHz 0.60dBi For 5.25~5.35GHz -0.20dBi For 5.47~5.725GHz
Notebook	INPAQ	WA-F-LB-02-051 (Main) WA-F-LB-02-029 (Aux)	2.01dBi For 5.15~5.25GHz 1.56dBi For 5.25~5.35GHz 1.80dBi For 5.47~5.725GHz
	Hong Lin	260-26074 (Main) 260-26075 (Aux)	1.91dBi For 5.15~5.25GHz 1.48dBi For 5.25~5.35GHz 1.68dBi For 5.47~5.725GHz

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.

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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 36:	5180 MHz	Channel 40:	5200 MHz	Channel 44:	5220 MHz	Channel 48:	5240 MHz
Channel 52:	5260 MHz	Channel 56:	5280 MHz	Channel 60:	5300 MHz	Channel 64:	5320 MHz
Channel 100:	5500 MHz	Channel 104:	5520 MHz	Channel 108:	5540 MHz	Channel 112:	5560 MHz
Channel 116:	5580 MHz	Channel 132:	5660 MHz	Channel 136:	5680 MHz	Channel 140:	5700 MHz

802.11n-40MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 38:	5190 MHz	Channel 46:	5230 MHz	Channel 54:	5270 MHz	Channel 62:	5310 MHz
Channel 102:	5510 MHz	Channel 110:	5550 MHz	Channel 134:	5670 MHz		

802.11ac-20MHz Center Working Frequency of Each Channel:

Channel	Frequency
Channel 144:	5720 MHz

802.11ac-40MHz Center Working Frequency of Each Channel:

Channel	Frequency
Channel 142:	5710 MHz

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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 42:	5210 MHz	Channel 58:	5290 MHz	Channel 106:	5530 MHz	Channel 138:	5690 MHz

Note:

1. This device is a INTEL DUAL BAND WIRELESS–AC 7265 with a built-in 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. (802.11a is 6Mbps、802.11n-20BW is 14.4Mbps、802.11n-40BW is 30Mbps and 802.11ac(80M-BW) is 65 Mbps)
4. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart E for Unlicensed National Information Infrastructure devices.
5. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
6. The platform applies to Notebook mode and PAD mode. Each model through the pretest, only the worst case(5G: PAD mode) is shown in the test report.
7. This is to request a Class II permissive change for FCC ID: MSQ7265NG, originally granted on 10/20/2014.

   The major change filed under this application is:

   Change #1: Additional Chassis added, Model number: Q503U

   #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: Transmit (802.11a-6Mbps)
	Mode 2: Transmit (802.11n-20BW 14.4Mbps)
	Mode 3: Transmit (802.11n-40BW 30Mbps)
	Mode 4: Transmit (802.11ac-20BW-14.4Mbps)
	Mode 5: Transmit (802.11ac-40BW-30Mbps)
	Mode 6: Transmit (802.11ac-80BW-65Mbps)

1.3. Tested System Datails

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	Monitor	Dell	ST232L	N/A	Non-Shielded, 1.8m
2	IPod nano	Apple	A1236	7K818WQRY0P	N/A
3	Keyboard	Logitech	Y-UR83	SY848UK	N/A
4	USB Mouse	Logitech	M-BE58	LZE11405266	N/A
5	IPod nano	Apple	A1236	7K818WX3Y0P	N/A
6	Earphone	Dr.AV	CD-806B	N/A	N/A

Signal Cable Type		Signal cable Description
A	HDMI Cable	Shielded, 1.8m
B	USB Cable	Shielded, 1.2m
C	Keyboard Cable	Shielded, 1.8m
D	Mouse Cable	Shielded, 1.8m
E	USB Cable	Shielded, 1.2m
F	Earphone Cable	Non-Shielded, 1.8m
G	RJ 45 Cable	Non-Shielded, 1.8m

1.4. Configuration of tested System
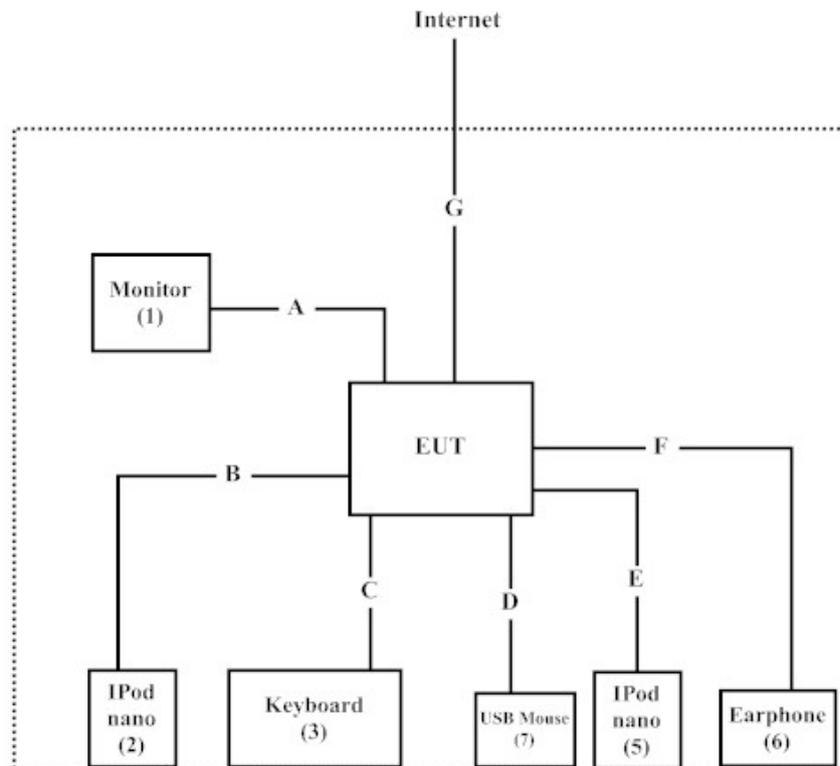
1.5. EUT Exercise Software

(1) Setup the EUT as shown on 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. Maximun conducted output power

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
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	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.

2.2. Test Setup

26dBc Occupied Bandwidth

RF Cable

EUT

Spectrum
Analyzer

SMA
Connector

Conduction Power Measurement (for 802.11an)

EUT

RF Cable

Power
Meter

SMA
Connector
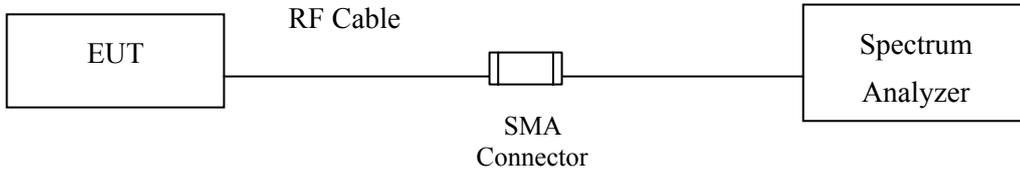
Conduction Power Measurement (for 802.11ac)

RF Cable

EUT

Spectrum
Analyzer

SMA
Connector
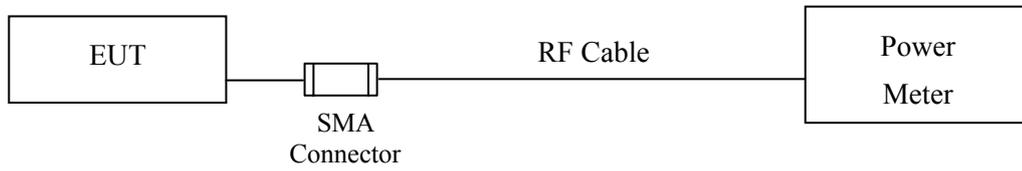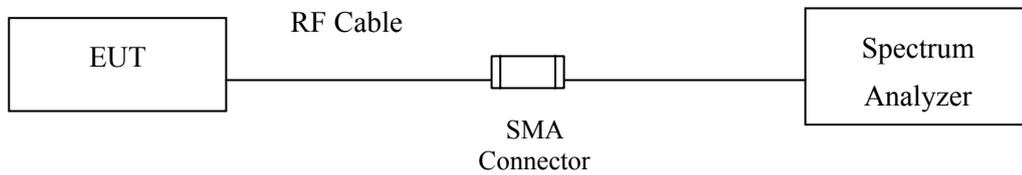
2.3. Limits

(1) For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 50 mW or 4 dBm + 10log B, where B is the 26-dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

(2) For the band 5.25-5.35 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26-dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.825 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1W or 17 dBm + 10log B, where B is the 26-dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

2.4. Test Procedur

As an alternative to FCC KDB-789033, the EUT maximum conducted output power was measured with an average power meter employing a video bandwidth greater than 6dB BW of the emission under test. Maximum conducted output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the limitations of FCC KDB-789033, and provides more accurate measurements.

802.11an (BW $\leqq$ 40MHz) Maximum conducted output power using KDB 789033 section E)3)b) Method PM-G (Measurement using a gated RF average power meter) Note: the power meter have a video bandwidth that is greater than or equal to the measurement bandwidth, (Anritsu/ MA2411B video bandwidth: 65MHz)

802.11ac (BW=80MHz) Maximum conducted output power using KDB 789033 section E)2)b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep).

When transmitted signals consist of two or more non-contiguous spectrum segments (e.g., 80+80 MHz mode) or when a single spectrum segment of a transmission crosses the boundary between two adjacent U-NII bands, KDB 644545 D01 section F) procedure is used for measurements.

2.5. Uncertainty

$\pm$ 1.27 dB

2.6. Test Result of Maximum conducted output power

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps)

Chain A

Cable loss=1dB		Average Power								
		Data Rate (Mbps)								Required Limit
Channel No.	Frequency (MHz)	6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	13.48	--	--	--	--	--	--	--	<17dBm
44	5220	13.37	13.31	13.25	13.17	13.13	13.07	13.02	12.95	<17dBm
48	5240	13.5	--	--	--	--	--	--	--	<17dBm
52	5260	13.16	--	--	--	--	--	--	--	<24dBm
60	5300	13.42	13.37	13.32	13.27	13.22	13.17	13.12	13.07	<24dBm
64	5320	13.49	--	--	--	--	--	--	--	<24dBm
100	5500	13.31	--	--	--	--	--	--	--	<24dBm
116	5580	13.48	13.43	13.34	13.27	13.2	13.13	13.06	12.97	<24dBm
140	5700	13.23	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1dB		Average Power								
		Data Rate (Mbps)								Required Limit
Channel No.	Frequency (MHz)	6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	13.41	--	--	--	--	--	--	--	<17dBm
44	5220	13.11	13.08	13.05	13.02	12.99	12.96	12.93	12.9	<17dBm
48	5240	13.33	--	--	--	--	--	--	--	<17dBm
52	5260	13.09	--	--	--	--	--	--	--	<24dBm
60	5300	13.24	13.17	13.12	13.06	13.01	12.94	12.87	12.82	<24dBm
64	5320	13.39	--	--	--	--	--	--	--	<24dBm
100	5500	13.35	--	--	--	--	--	--	--	<24dBm
116	5580	13.47	13.41	13.35	13.27	13.23	13.17	13.11	13.05	<24dBm
140	5700	13.36	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	25.560	13.48	17	18.08
44	5220	25.880	13.37	17	18.13
48	5240	26.120	13.5	17	18.17
52	5260	24.960	13.16	24	24.97
60	5300	26.040	13.42	24	25.16
64	5320	25.280	13.49	24	25.03
100	5500	24.800	13.31	24	24.94
116	5580	25.600	13.48	24	25.08
140	5700	25.240	13.23	24	25.02

Note:
1. Power Output Value =Reading value on average power meter + cable loss
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps)

Chain A

Cable loss=1dB		Average Power								
		Data Rate (Mbps)								Required Limit
Channel No.	Frequency (MHz)	14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
		Measurement Level (dBm)								
36	5180	10.33	--	--	--	--	--	--	--	<17dBm
44	5220	11.17	11.11	11.05	10.97	10.93	10.87	10.82	10.75	<17dBm
48	5240	10.92	--	--	--	--	--	--	--	<17dBm
52	5260	13.37	--	--	--	--	--	--	--	<24dBm
60	5300	13.44	13.35	13.3	13.23	13.16	13.09	13.02	12.95	<24dBm
64	5320	11.38	--	--	--	--	--	--	--	<24dBm
100	5500	10.55	--	--	--	--	--	--	--	<24dBm
116	5580	13.24	13.17	13.12	13.06	13.01	12.94	12.87	12.82	<24dBm
140	5700	13.53	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1dB		Average Power								
		Data Rate (Mbps)								Required Limit
Channel No.	Frequency (MHz)	14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
		Measurement Level (dBm)								
36	5180	11.88	--	--	--	--	--	--	--	<17dBm
44	5220	11.78	11.71	11.64	11.57	11.5	11.43	11.36	11.29	<17dBm
48	5240	11.99	--	--	--	--	--	--	--	<17dBm
52	5260	13.54	--	--	--	--	--	--	--	<24dBm
60	5300	13.88	13.81	13.74	13.67	13.65	13.53	13.46	13.39	<24dBm
64	5320	11.59	--	--	--	--	--	--	--	<24dBm
100	5500	10.42	--	--	--	--	--	--	--	<24dBm
116	5580	13.05	12.97	12.91	12.84	12.77	12.75	12.63	12.56	<24dBm
140	5700	13.45	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
36	5180	25.680	10.33	11.88	14.18	17	18.10
44	5220	26.280	11.17	11.78	14.50	17	18.20
48	5240	26.780	10.92	11.99	14.50	17	18.28
52	5260	25.920	13.37	13.54	16.47	24	25.14
60	5300	26.360	13.44	13.88	16.68	24	25.21
64	5320	25.760	11.38	11.59	14.50	24	25.11
100	5500	25.360	10.55	10.42	13.50	24	25.04
116	5580	25.920	13.24	13.05	16.16	24	25.14
140	5700	25.510	13.53	13.45	16.50	24	25.07

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))

3. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps)

Chain A

Cable loss=1dB		Average Power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
38	5190	8.86	--	--	--	--	--	--	--	<17dBm
46	5230	12.95	12.89	12.83	12.77	12.71	12.65	12.59	12.53	<17dBm
54	5270	12.97	--	--	--	--	--	--	--	<24dBm
62	5310	11.27	11.21	11.15	11.07	11.03	10.97	10.91	10.85	<24dBm
102	5510	11.48	--	--	--	--	--	--	--	<24dBm
110	5550	13.56	13.49	13.42	13.35	13.27	13.21	13.14	13.07	<24dBm
134	5670	13.41	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

| Cable loss=1dB		Average Power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
38	5190	10.72	--	--	--	--	--	--	--	<17dBm
46	5230	13.84	13.79	13.74	13.67	13.64	13.59	13.54	13.49	<17dBm
54	5270	13.34	--	--	--	--	--	--	--	<24dBm
62	5310	10.95	10.89	10.83	10.76	10.71	10.65	10.59	10.53	<24dBm
102	5510	10.91	--	--	--	--	--	--	--	<24dBm
110	5550	12.93	12.86	12.83	12.78	12.73	12.68	12.63	12.58	<24dBm
134	5670	13.24	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

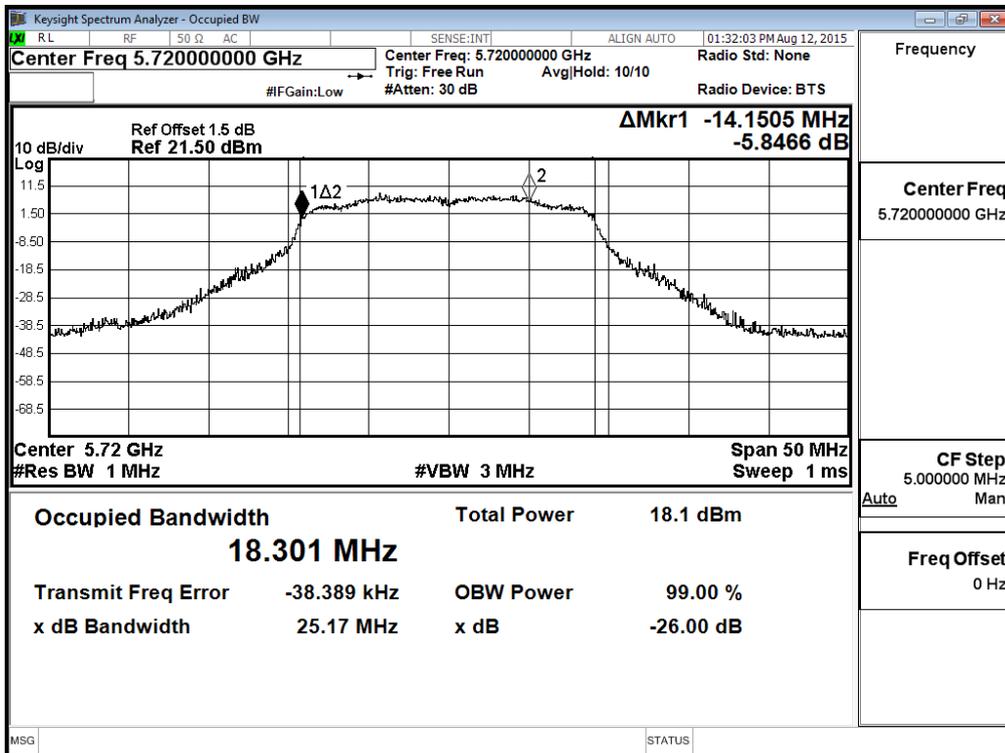**Maximum conducted output power Measurement:**

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
38	5190	44.400	8.86	10.72	12.90	17	20.47
46	5230	45.200	12.95	13.84	16.43	17	20.55
54	5270	46.300	12.97	13.34	16.17	24	27.66
62	5310	44.600	11.27	10.95	14.12	24	27.49
102	5510	43.320	11.48	10.91	14.21	24	27.37
110	5550	45.030	13.56	12.93	16.27	24	27.54
134	5670	44.560	13.41	13.24	16.34	24	27.49

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))
3.   26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-20BW-14.4Mbps)

Chain A

Cable loss=1dB		Average Power										
Channel No.	Frequency (MHz)	Data Rate (Mbps)									Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	
		Measurement Level (dBm)									
144 (Band3)	5720	13.37	13.28	13.19	13.16	13.01	12.92	12.83	12.74	12.66	<24dBm
144 (Band4)	5720	5.54	5.46	5.42	5.36	5.36	5.24	5.16	5.12	5.06	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

| Cable loss=1dB | | Average Power | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | |
| | | Measurement Level (dBm) | | | | | | | | | |
| 144 (Band3) | 5720 | 13.82 | 13.78 | 13.74 | 13.7 | 13.66 | 13.62 | 13.58 | 13.54 | 13.5 | <24dBm |
| 144 (Band4) | 5720 | 5.2 | 5.14 | 5.08 | 5.01 | 4.96 | 4.92 | 4.84 | 4.78 | 4.75 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss
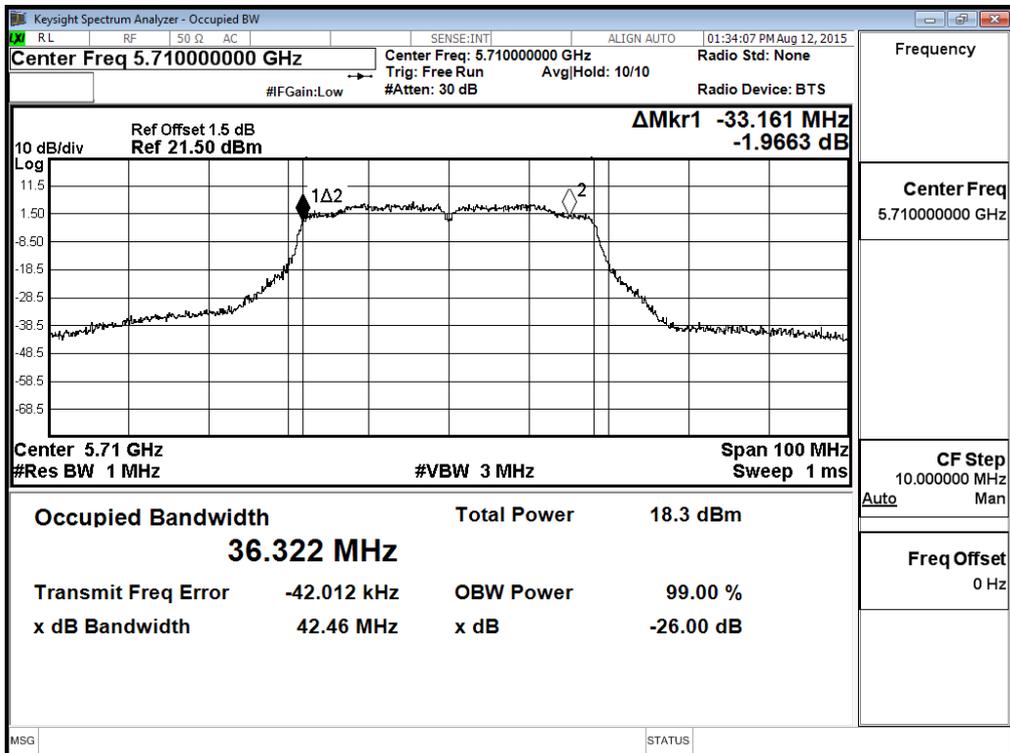
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
144(Band3)	5720	14.250	13.37	13.82	16.61	24	22.54	Pass
144(Band4)	5720	4.151	5.54	5.20	8.38	30	17.18	Pass

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

26dBc Occupied Bandwidth:

Channel 144 – Chain A
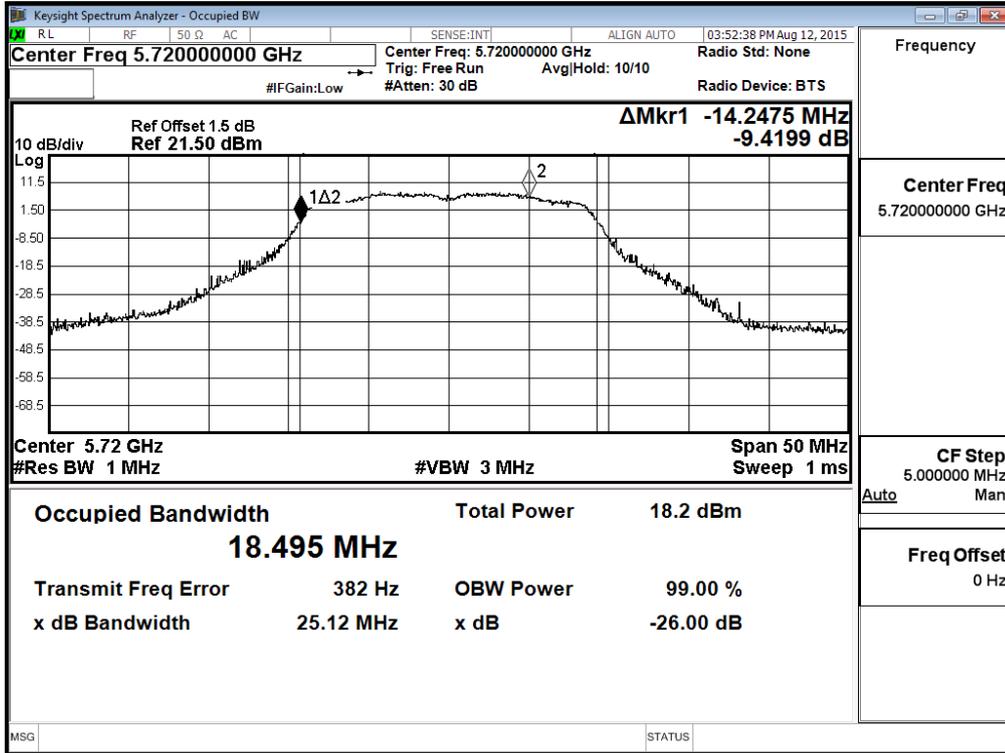
26dBc Occupied Bandwidth:
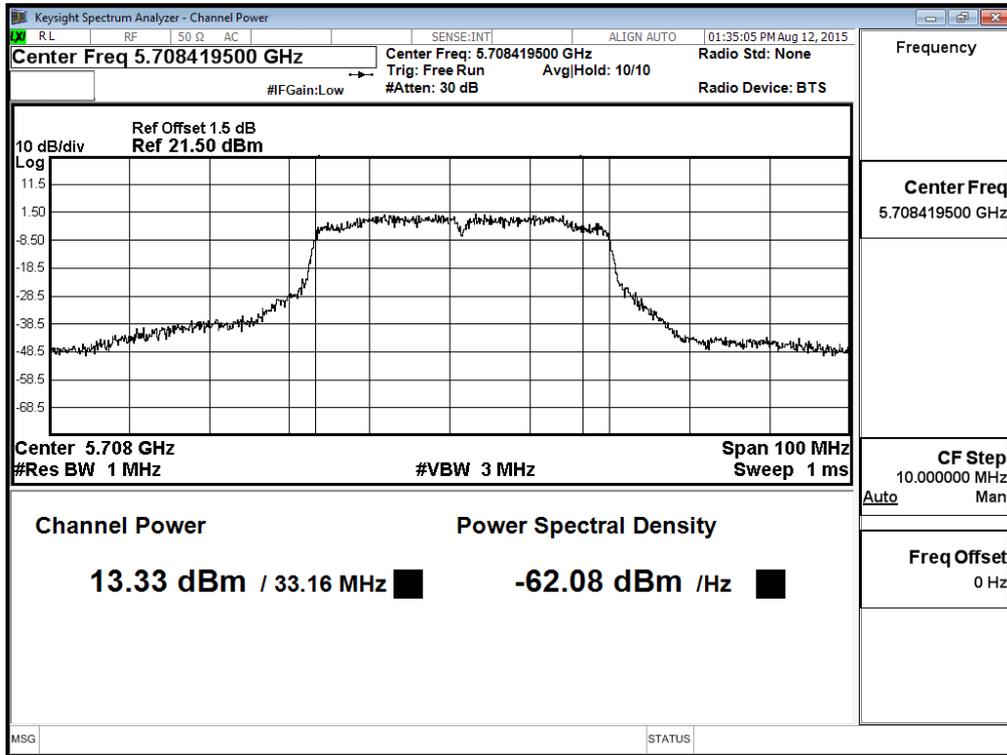
Channel 144 – Chain B

Maximum conducted output power:

Channel 144 (Band3) – Chain A
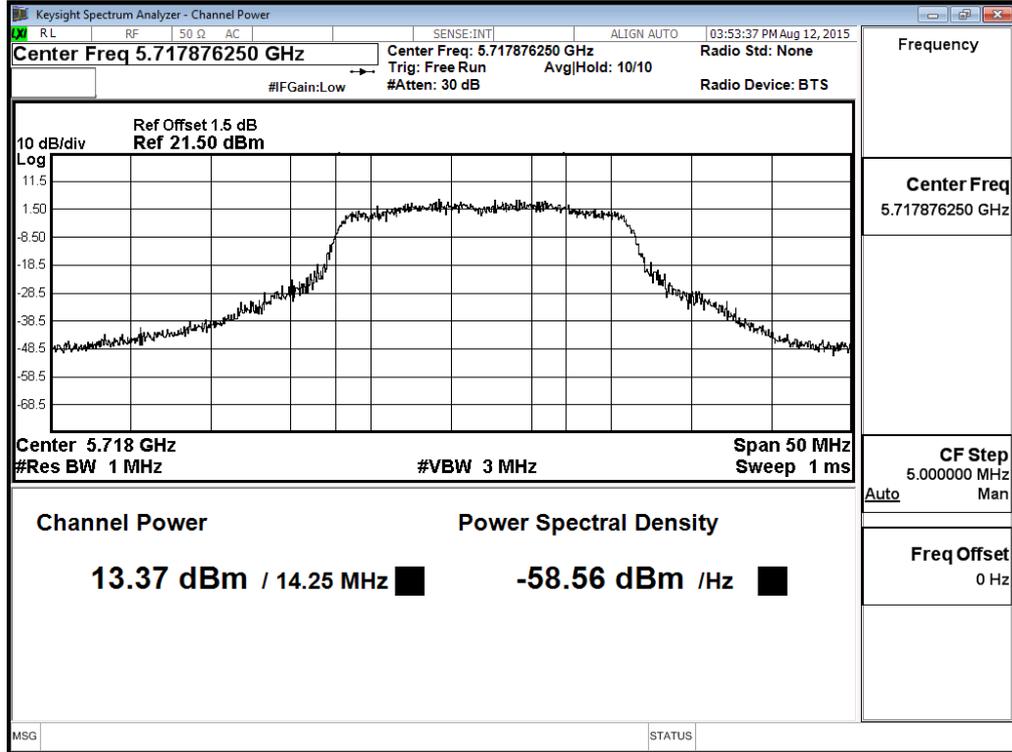
Channel 144 (Band4) – Chain A
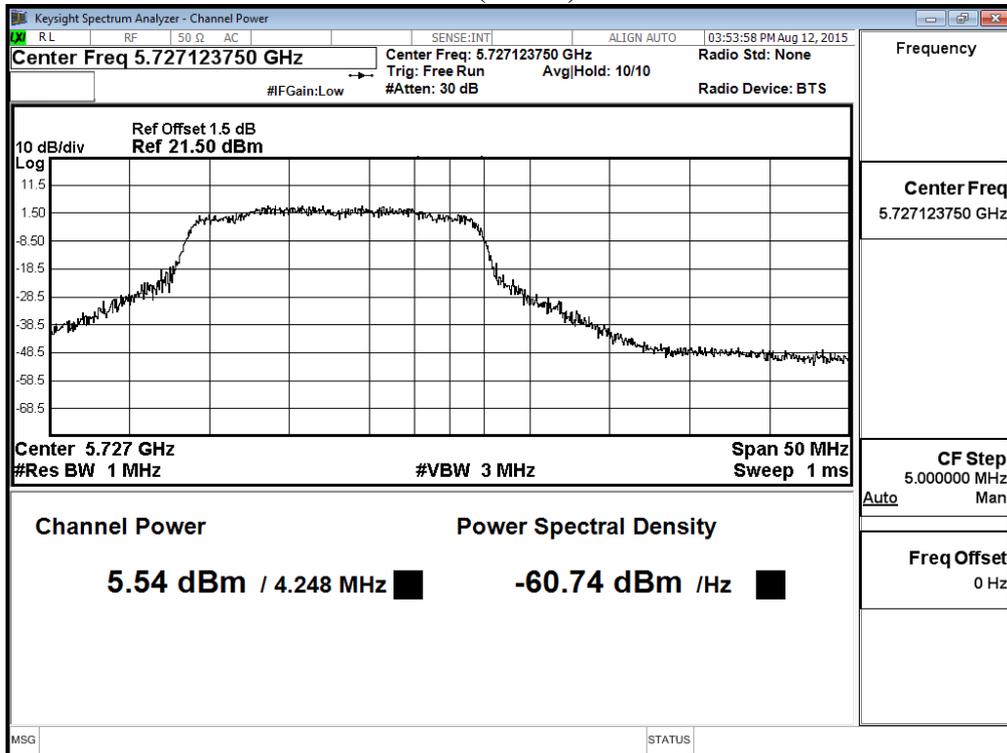
Maximum conducted output power:

Channel 144 (Band3) – Chain B
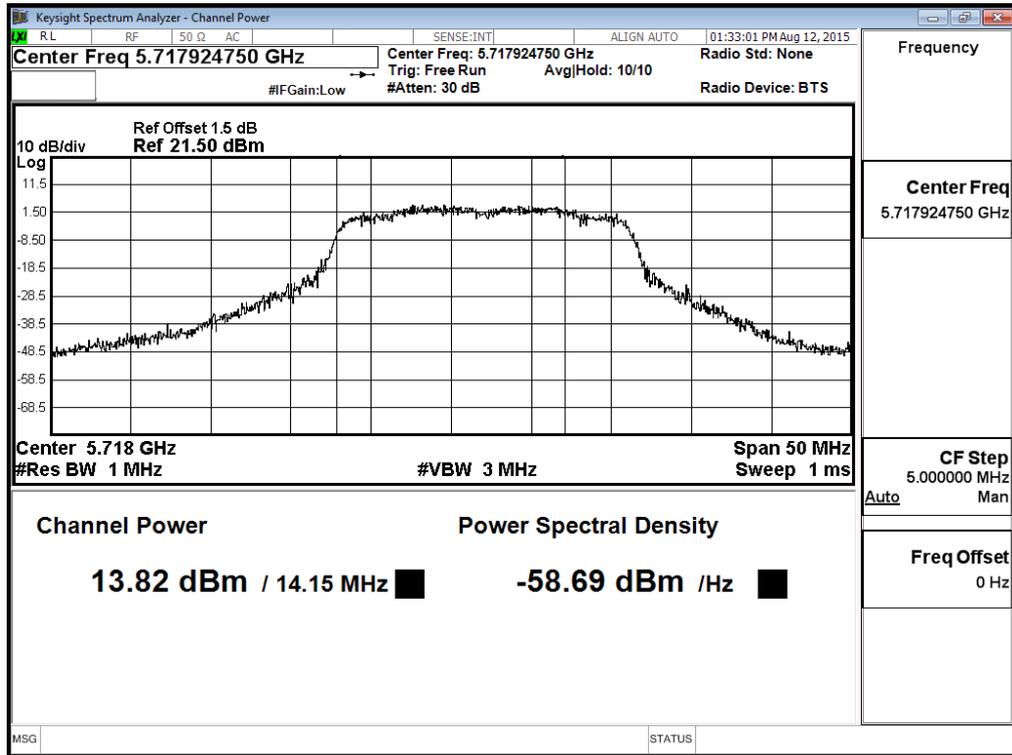
Channel 144 (Band4) – Chain B

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit (802.11ac-40BW-30Mbps)

Chain A

Cable loss=1dB		Average Power										
Channel No	Frequency	Data Rate (Mbps)										Required
	(MHz)	VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	Limit
142F(Band3)	5710	13.35	13.26	13.21	13.14	13.07	13.01	12.93	12.86	12.76	12.72	<24dBm
142F(Band4)	5710	0.02	-0.04	-0.1	-0.16	-0.22	-0.28	-0.34	-0.4	-0.46	-0.52	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

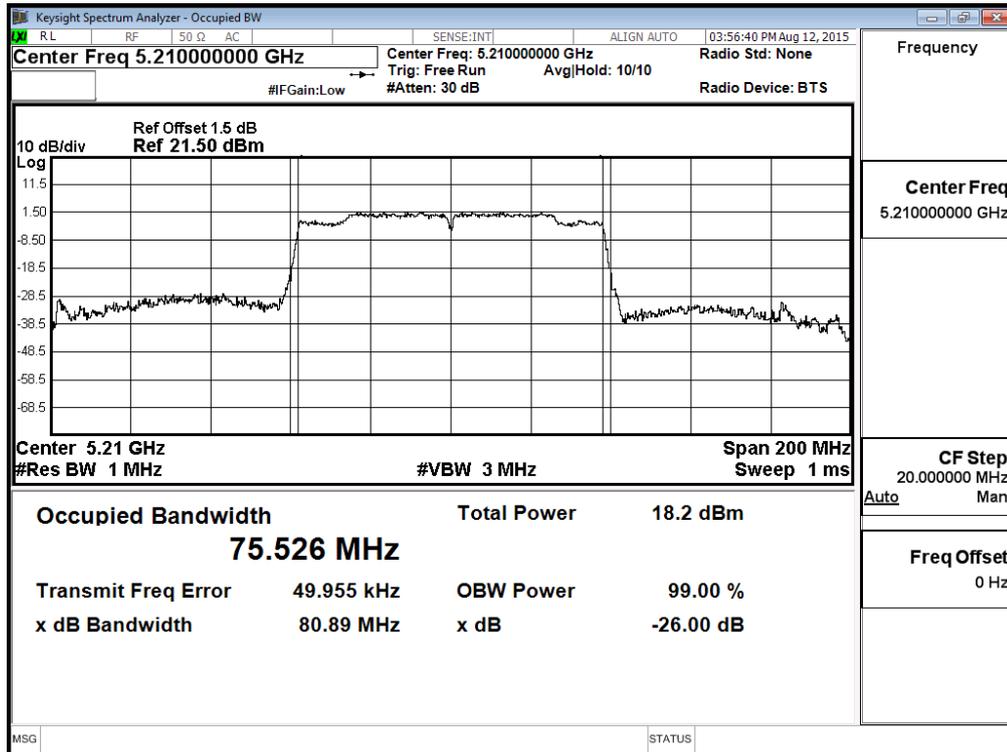| Cable loss=1dB		Average Power										
Channel No	Frequency	Data Rate (Mbps)										Required
	(MHz)	VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	Limit
142F(Band3)	5710	13.33	13.26	13.21	13.15	13.09	13.06	12.97	12.91	12.85	12.76	<24dBm
142F(Band4)	5710	0.3	-0.09	-0.48	-0.87	-1.26	-1.65	-2.04	-2.43	-2.82	-3.21	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss
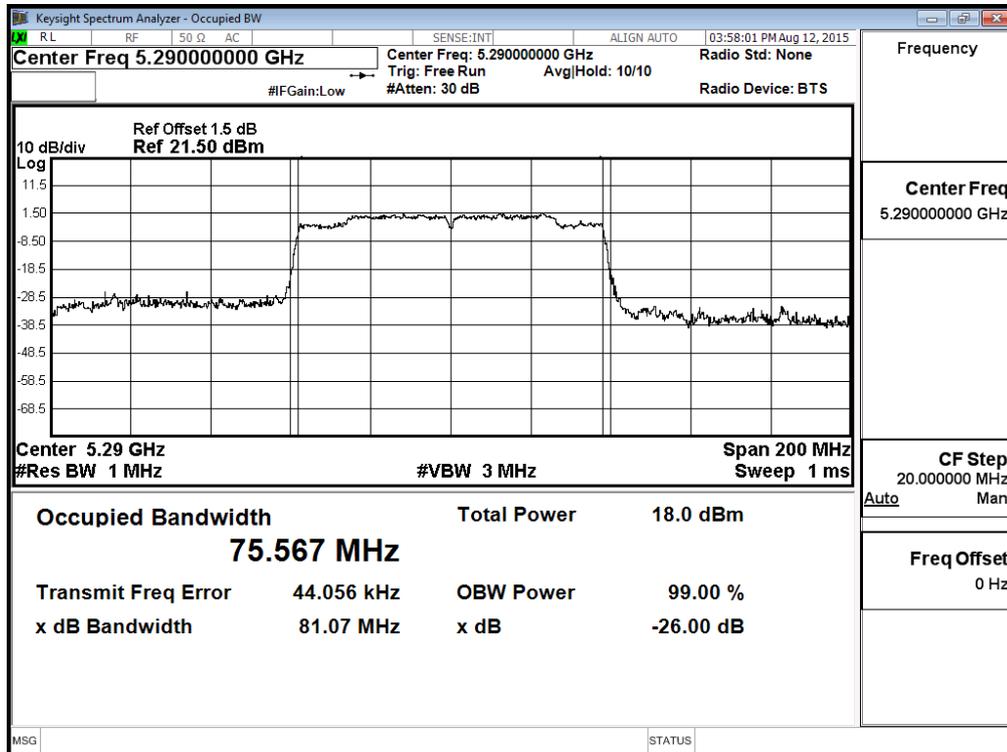
Maximum conducted output power Measurement:

Channel No	Frequency Range	26dB Bandwidth	Chain A Power	Chain B Power	Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
142F(Band3)	5710	33.130	13.35	13.33	16.35	24	26.20	Pass
142F(Band4)	5710	3.126	0.02	0.30	3.17	30	15.95	Pass

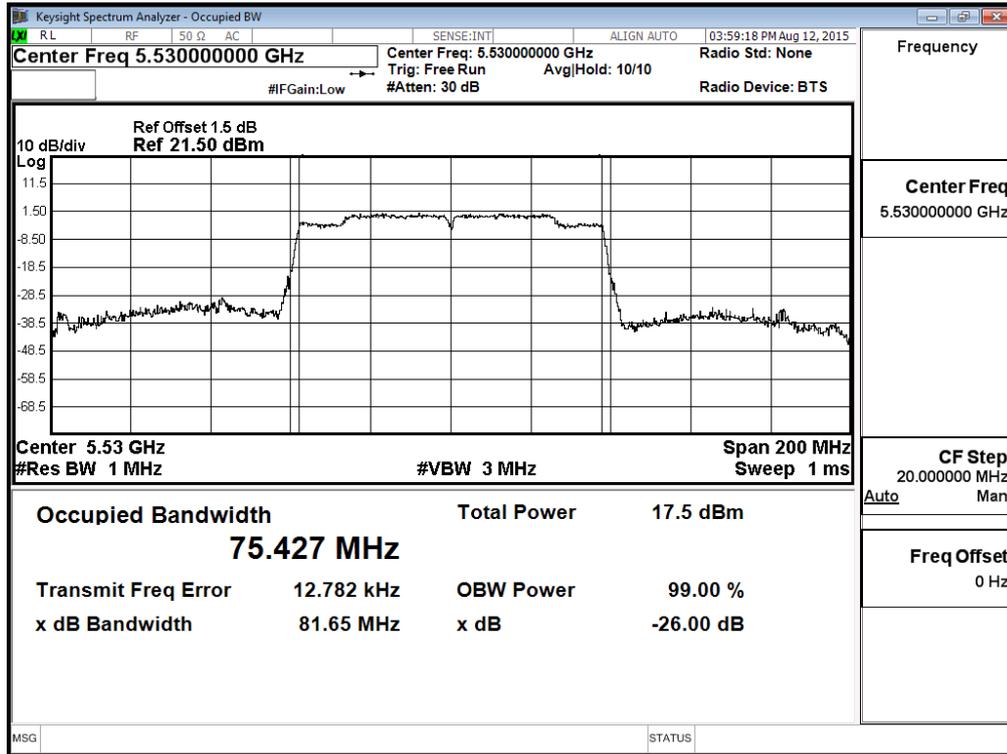Note: Power Output Value =Reading value on average power meter + cable loss
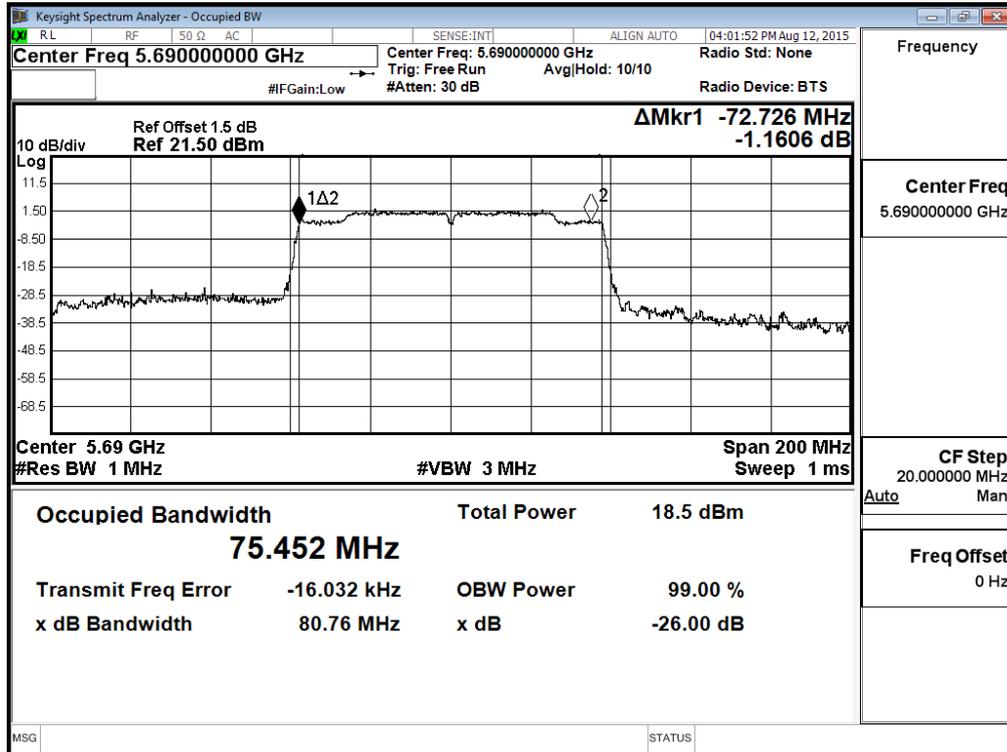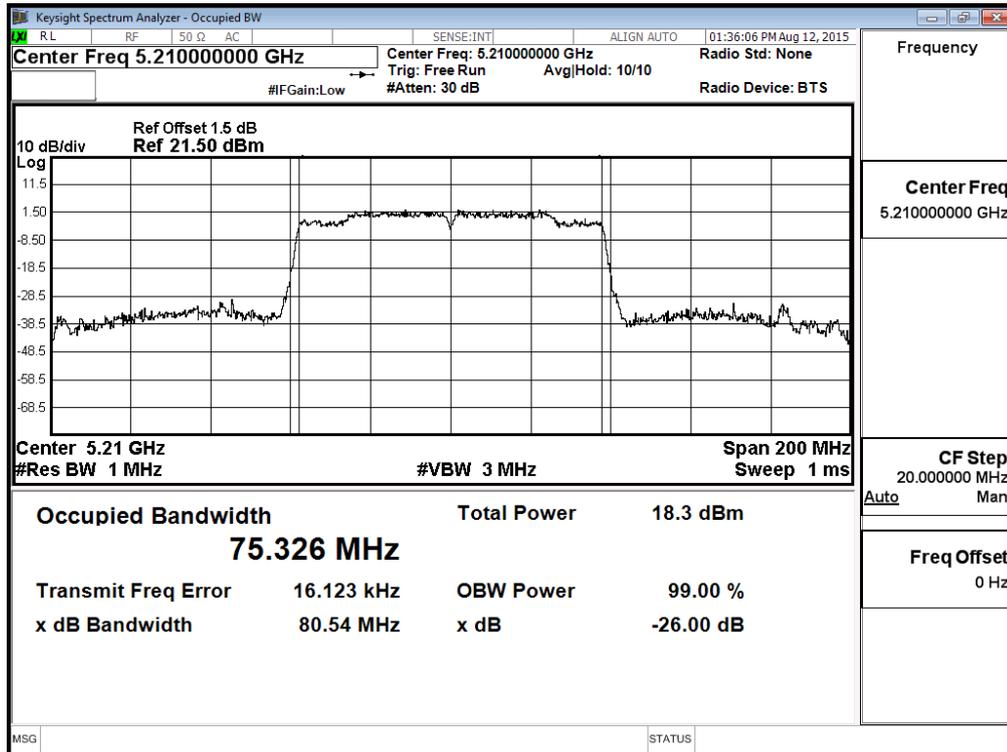
26dBc Occupied Bandwidth:

Channel 142 – Chain A
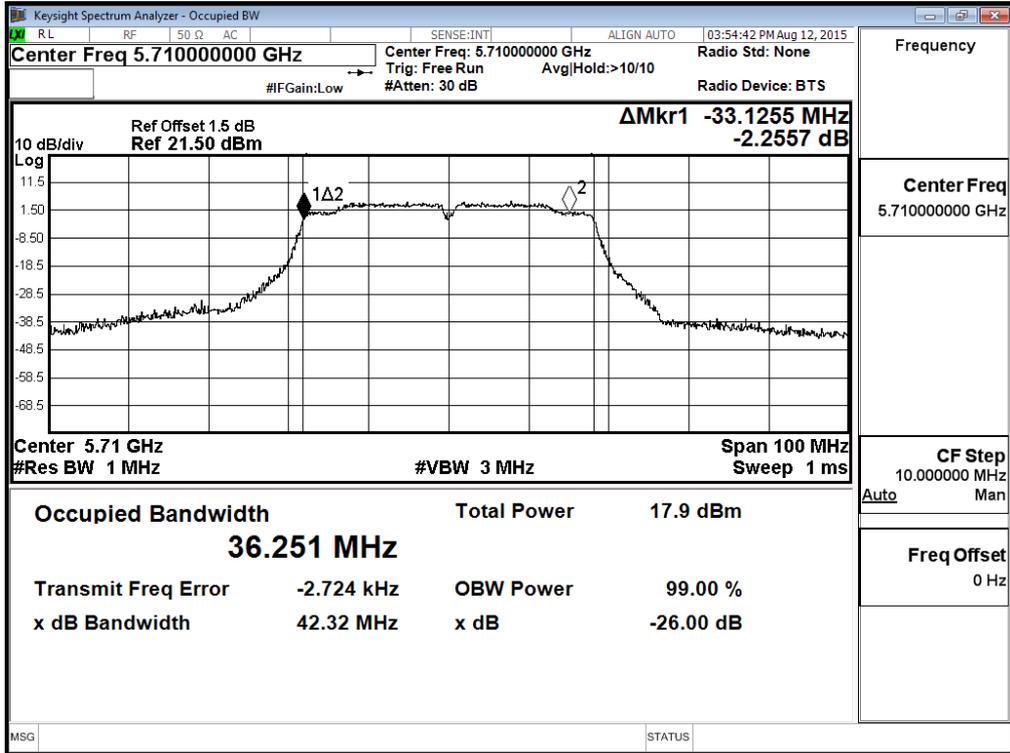
26dBc Occupied Bandwidth:

Channel 142 – Chain B

Maximum conducted output power:

Channel 142 (Band3) – Chain A
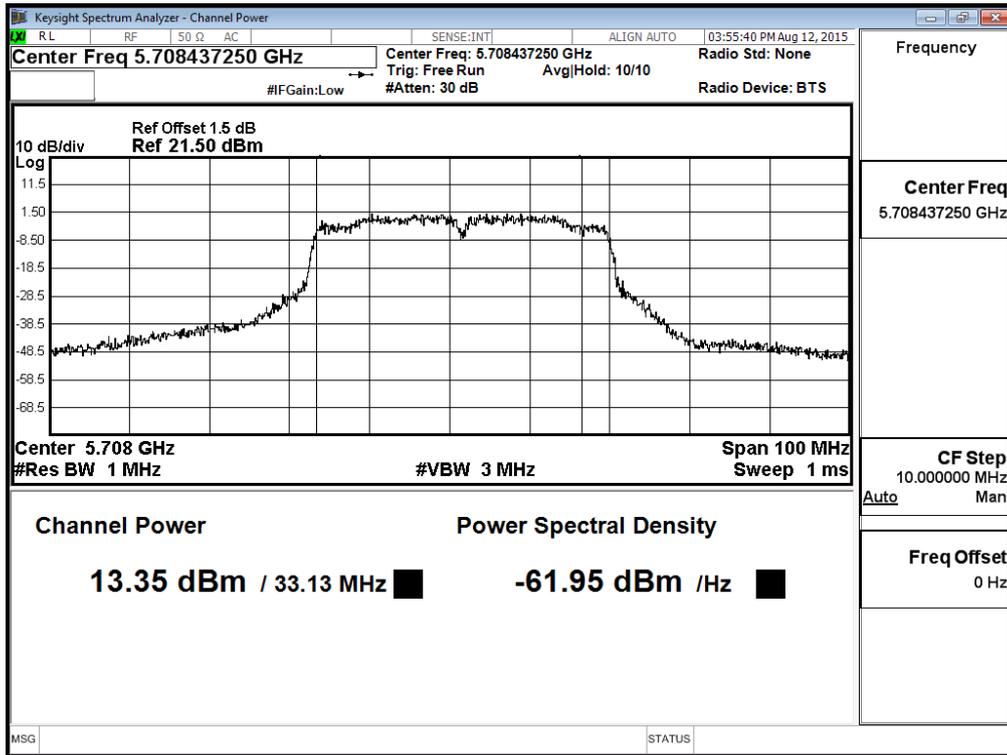
Channel 142 (Band4) – Chain A
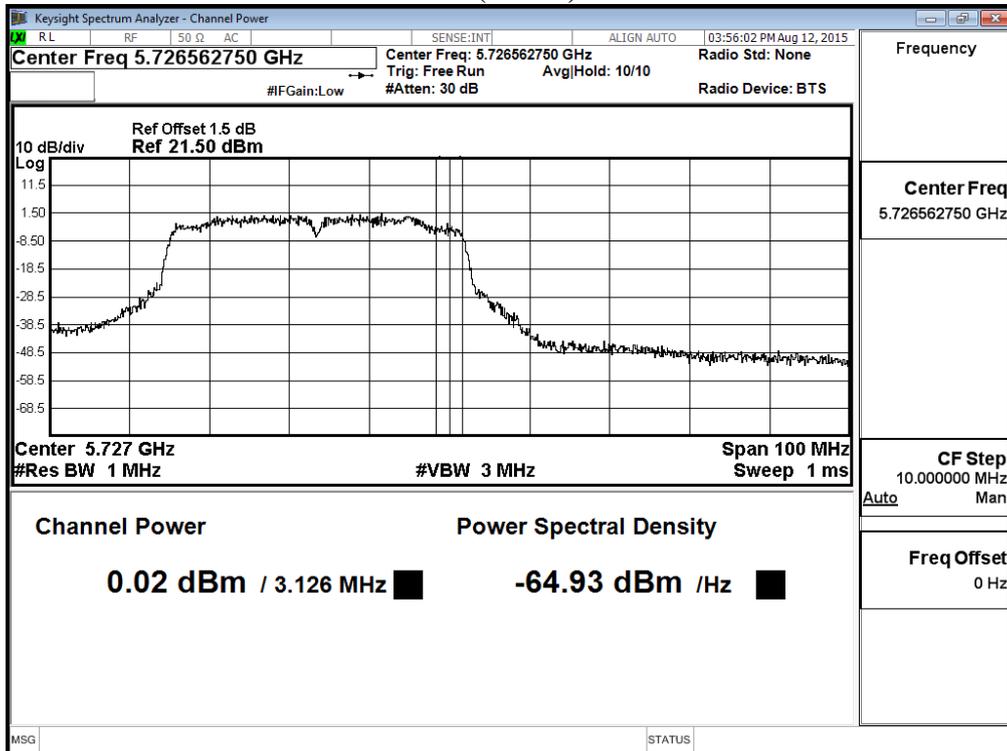
Maximum conducted output power:

Channel 142 (Band3) – Chain B

Channel 142 (Band4) – Chain B
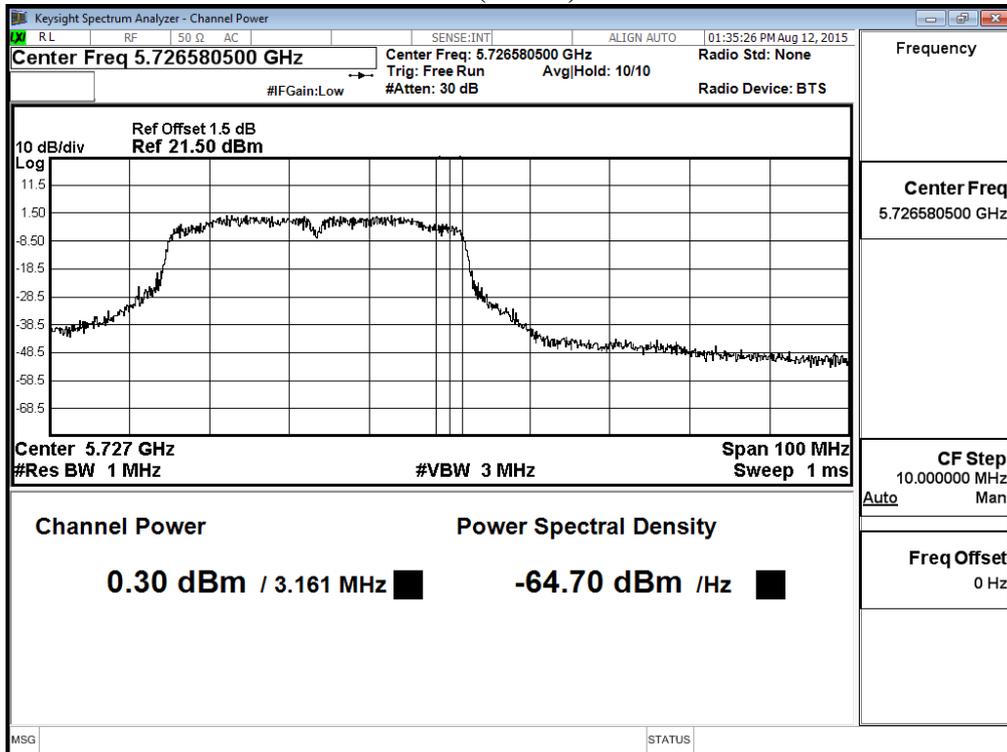
Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps)

Chain A

Cable loss=1dB		Average Power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	13.33	13.24	13.13	13.06	12.97	12.88	12.79	12.76	12.61	12.52	<24dBm
58	5290	13.36	13.27	13.18	13.09	13	12.91	12.82	12.73	12.64	12.55	<24dBm
106	5530	13.57	13.49	13.43	13.33	13.25	13.17	13.03	13.01	12.93	12.85	<24dBm
138(Band3)	5690	13.83	13.76	13.69	13.62	13.55	13.48	13.41	13.34	13.27	13.2	<24dBm
138(Band4)	5690	-3.71	-3.83	-3.97	-4.00	-4.13	-4.23	-4.39	-4.42	-4.55	-4.68	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1dB		Average Power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	13.49	13.41	13.34	13.25	13.17	13.09	13.01	12.94	12.85	12.77	<24dBm
58	5290	13.84	13.78	13.72	13.66	13.6	13.54	13.48	13.42	13.36	13.3	<24dBm
106	5530	13.27	13.21	13.16	13.09	13	12.97	12.91	12.84	12.79	12.73	<24dBm
138(Band3)	5690	13.2	13.12	13.05	12.96	12.88	12.8	12.72	12.65	12.56	12.48	<24dBm
138(Band4)	5690	-3.28	-3.35	-3.43	-3.49	-3.52	-3.63	-3.7	-3.77	-3.84	-3.91	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
42	5210	75.330	13.33	13.49	16.42	17	29.77	Pass
58	5290	75.360	13.36	13.84	16.62	17	29.77	Pass
106	5530	75.400	13.57	13.27	16.43	24	29.77	Pass
138	5690	72.680	13.83	13.20	16.54	24	29.61	Pass
138ac80(Band4)	5690	2.684	-3.71	-3.28	-0.48	30	21.29	Pass

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

26dBc Occupied Bandwidth:

Channel 42 – Chain A

Channel 58 – Chain A

Channel 106 – Chain A


```
Keysight Spectrum Analyzer - Occupied BW
[X] R L    RF    50 Ω   AC              SENSE:INT          ALIGN AUTO     03:59:18 PM Aug 12, 2015
Center Freq 5.530000000 GHz      Center Freq: 5.530000000 GHz    Radio Std: None          Frequency
                                 Trig: Free Run      Avg|Hold: 10/10
                    #IFGain:Low   #Atten: 30 dB                  Radio Device: BTS

            Ref Offset 1.5 dB                                                           Center Freq
10 dB/div   Ref 21.50 dBm                                                               5.530000000 GHz
Log
 11.5
 1.50
 -8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5

Center  5.53 GHz                                              Span 200 MHz               CF Step
#Res BW  1 MHz                          #VBW  3 MHz           Sweep  1 ms                20.000000 MHz
                                                                                        Auto    Man
```

Occupied Bandwidth   Total Power   17.5 dBm

75.427 MHz   Freq Offset
                                                                 0 Hz

Transmit Freq Error   12.782 kHz   OBW Power   99.00 %

x dB Bandwidth   81.65 MHz   x dB   -26.00 dB

Channel 138 – Chain A


```
Keysight Spectrum Analyzer - Occupied BW
[X] R L    RF    50 Ω   AC              SENSE:INT          ALIGN AUTO     04:01:52 PM Aug 12, 2015
Center Freq 5.690000000 GHz      Center Freq: 5.690000000 GHz    Radio Std: None          Frequency
                                 Trig: Free Run      Avg|Hold: 10/10
                    #IFGain:Low   #Atten: 30 dB                  Radio Device: BTS

            Ref Offset 1.5 dB                               ΔMkr1  -72.726 MHz
10 dB/div   Ref 21.50 dBm                                          -1.1606 dB
Log                                                                                     Center Freq
 11.5                                                                                   5.690000000 GHz
 1.50           1Δ2                            2
 -8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5

Center  5.69 GHz                                              Span 200 MHz               CF Step
#Res BW  1 MHz                          #VBW  3 MHz           Sweep  1 ms                20.000000 MHz
                                                                                        Auto    Man
```

Occupied Bandwidth   Total Power   18.5 dBm

75.452 MHz   Freq Offset
                                                                 0 Hz

Transmit Freq Error   -16.032 kHz   OBW Power   99.00 %

x dB Bandwidth   80.76 MHz   x dB   -26.00 dB

26dBc Occupied Bandwidth:

Channel 42 – Chain B

Channel 58 – Chain B
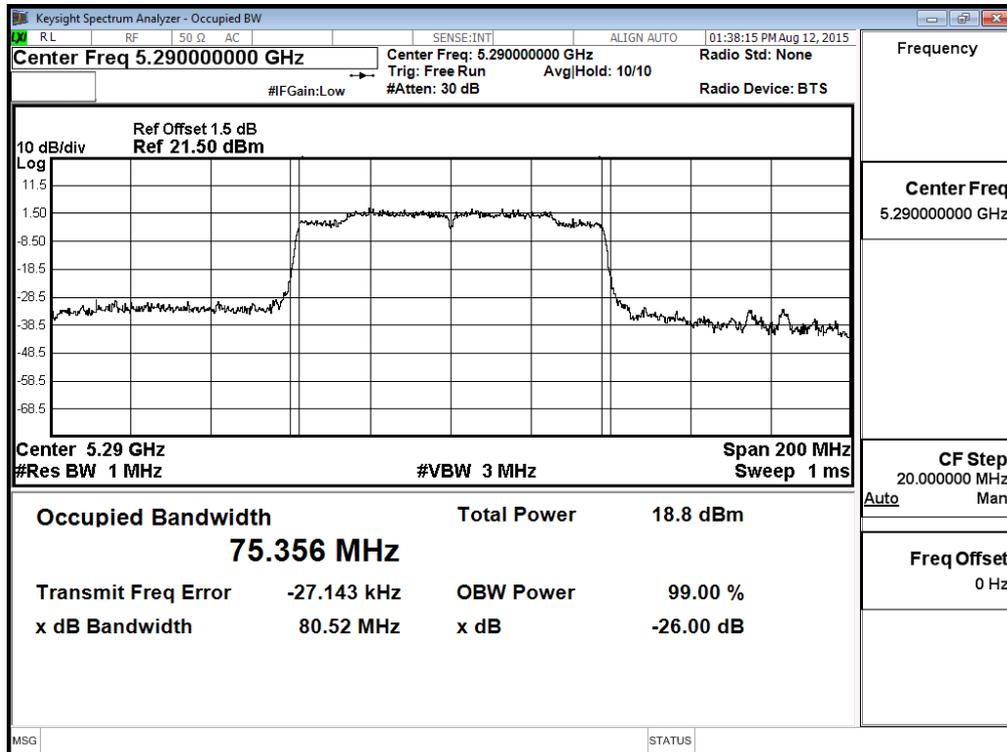
Channel 106 – Chain B
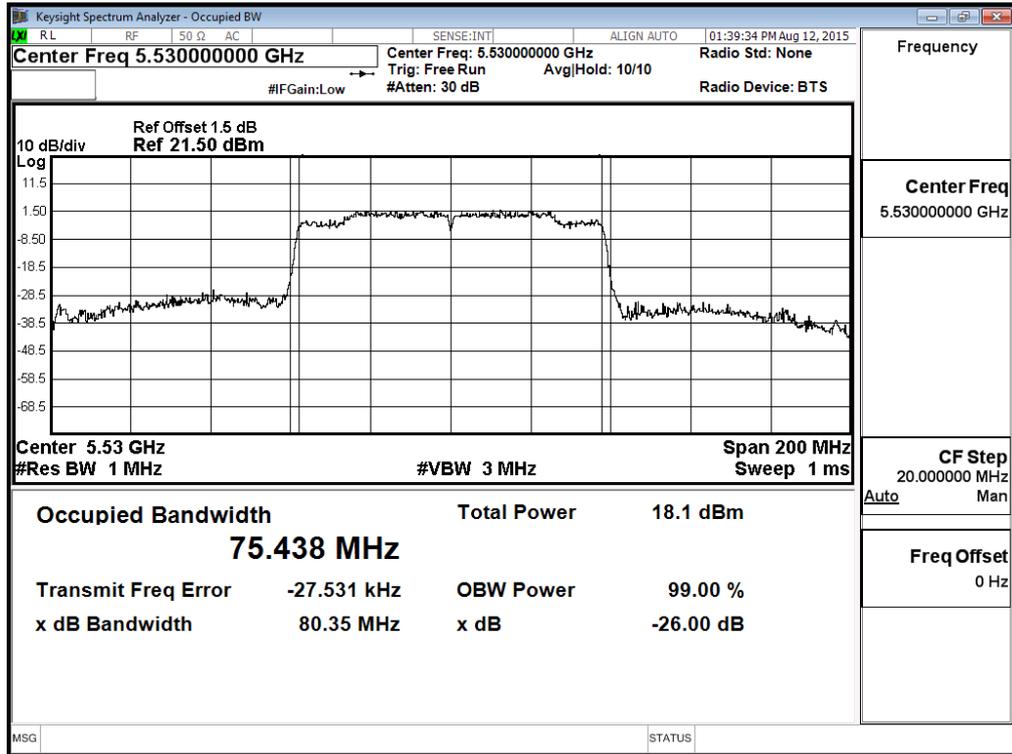
Channel 138 – Chain B
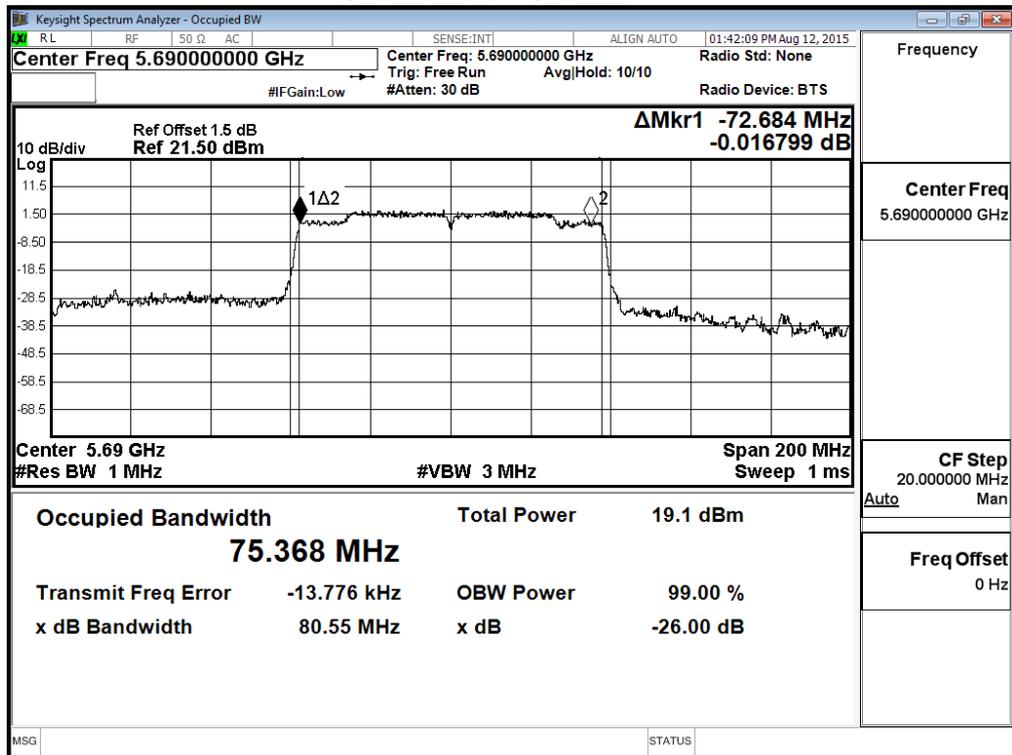
Maximum conducted output power:

Channel 42 – Chain A
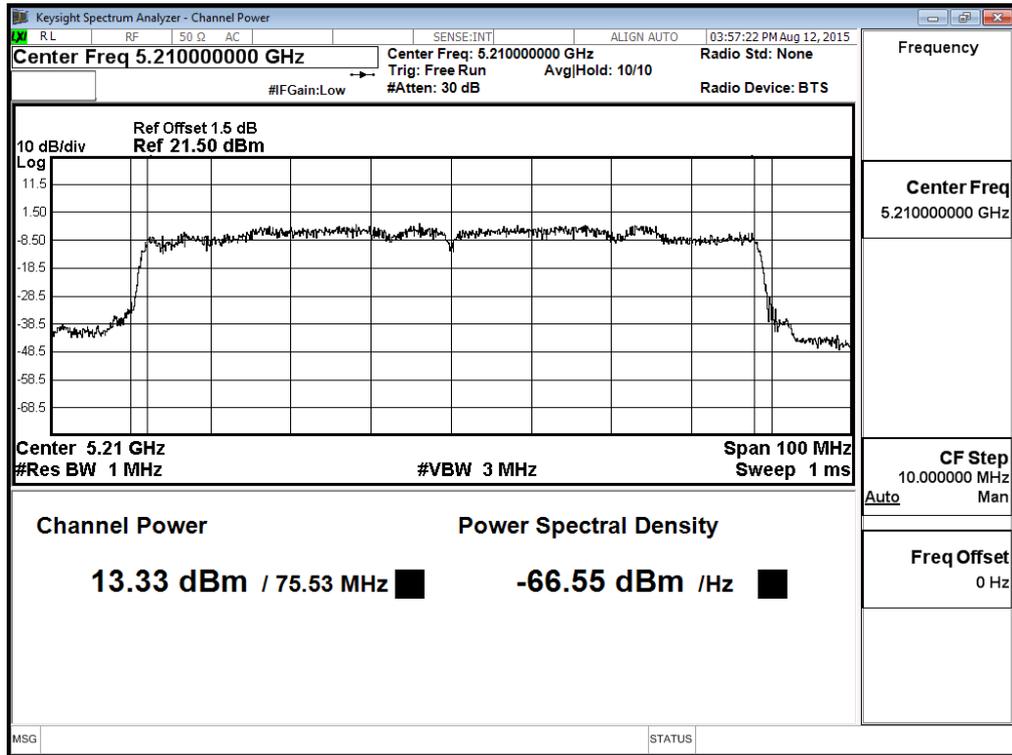
Maximum conducted output power:

Channel 58 – Chain A
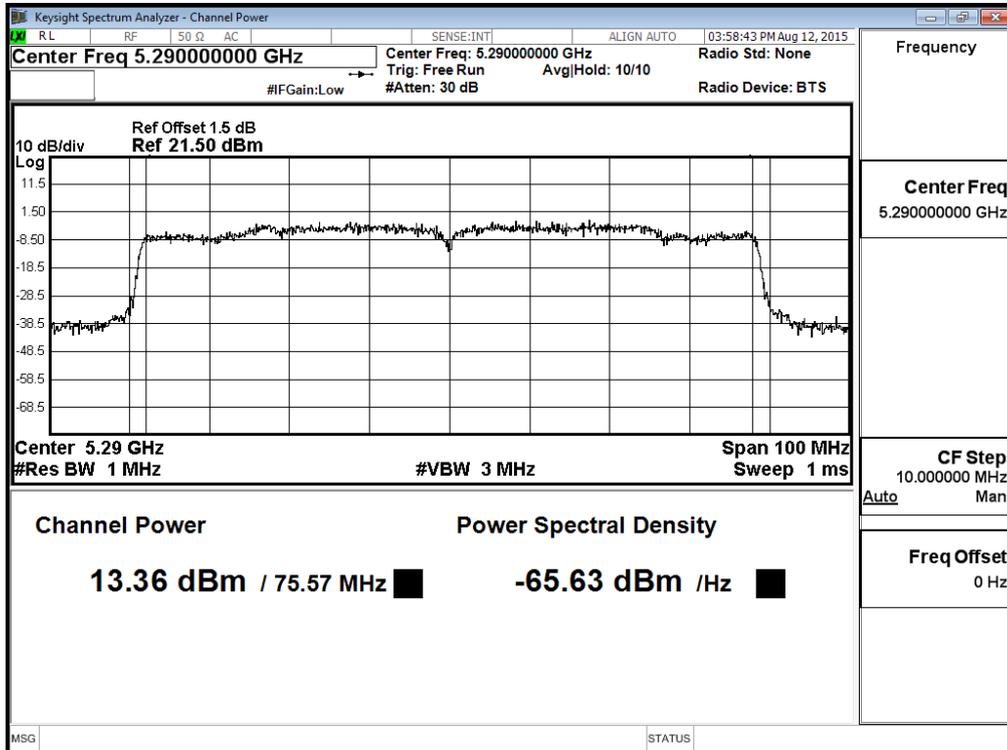
Maximum conducted output power:
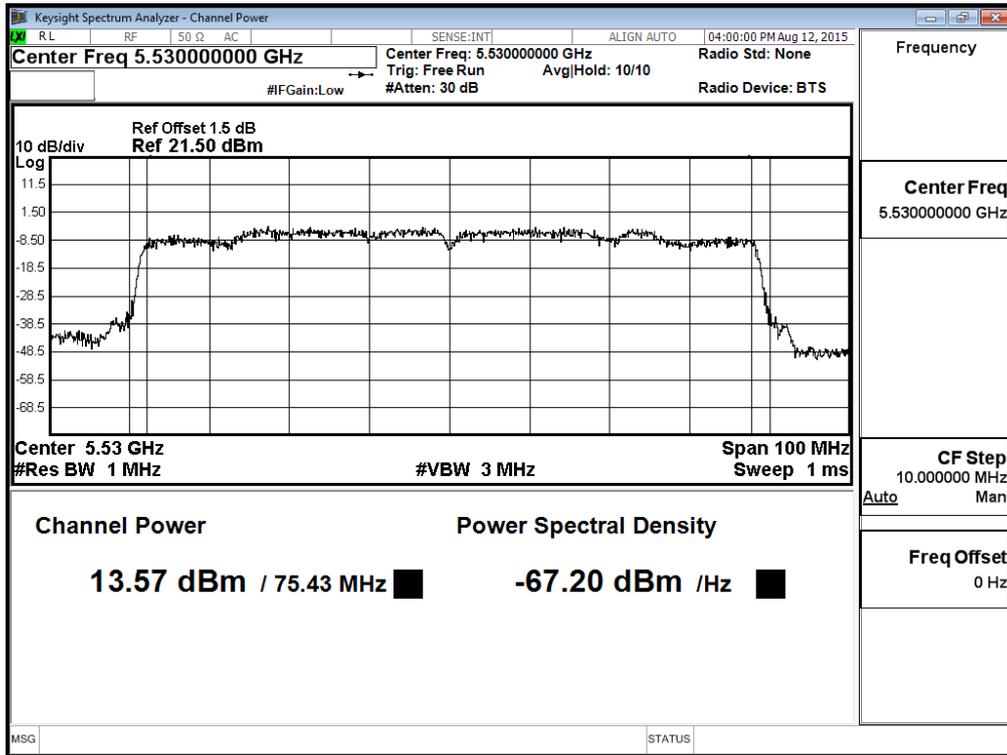
Channel 106 – Chain A

Maximum conducted output power:

Channel 138 (Band3) – Chain A
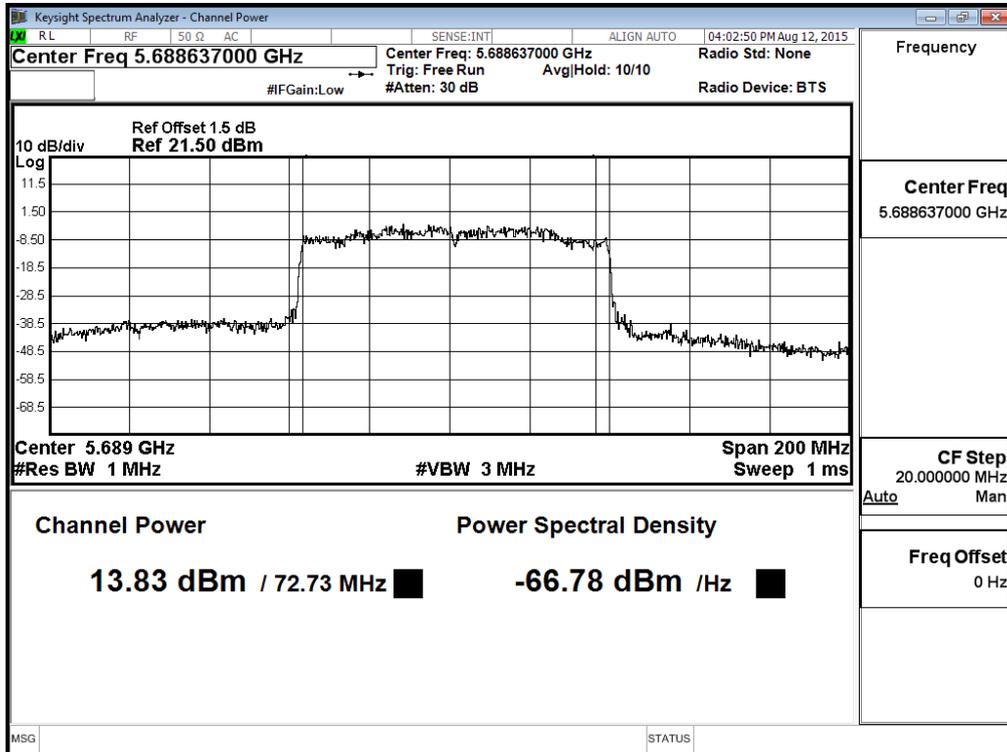
Maximum conducted output power:

Channel 138 (Band4) – Chain A
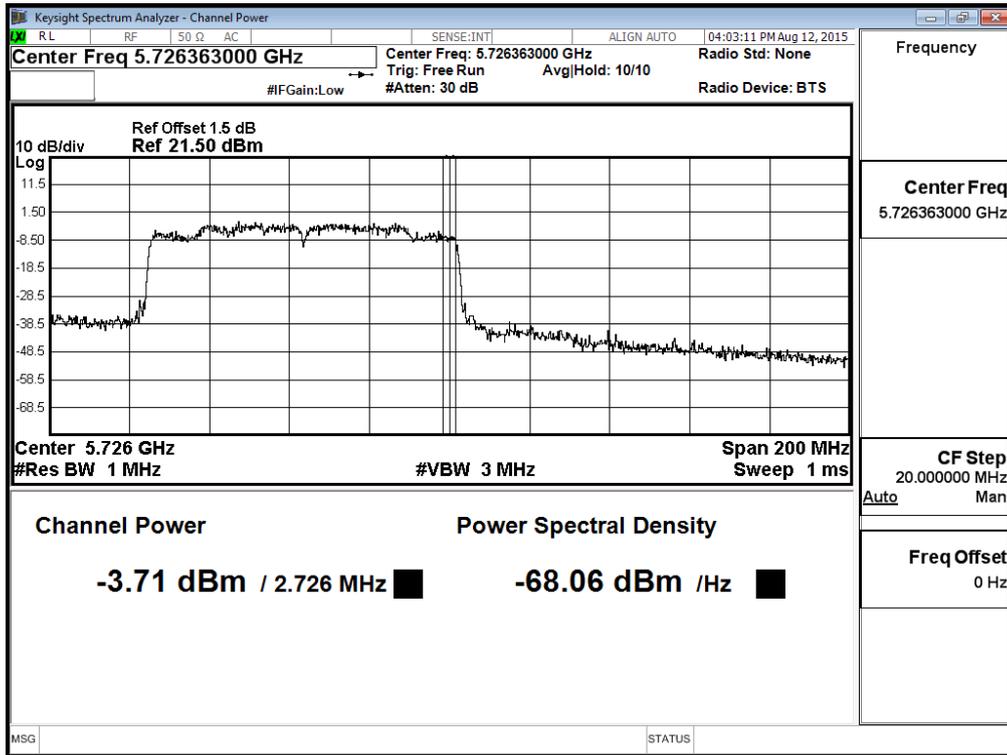
Maximum conducted output power:

Channel 42 – Chain B
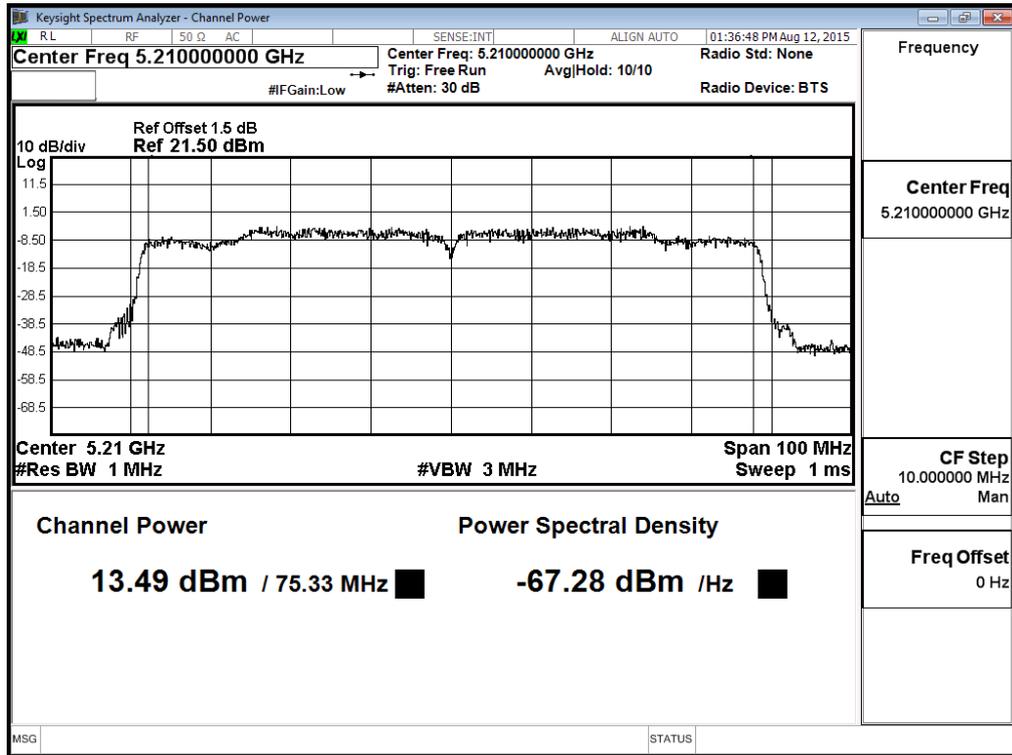
Maximum conducted output power:

Channel 58 – Chain B
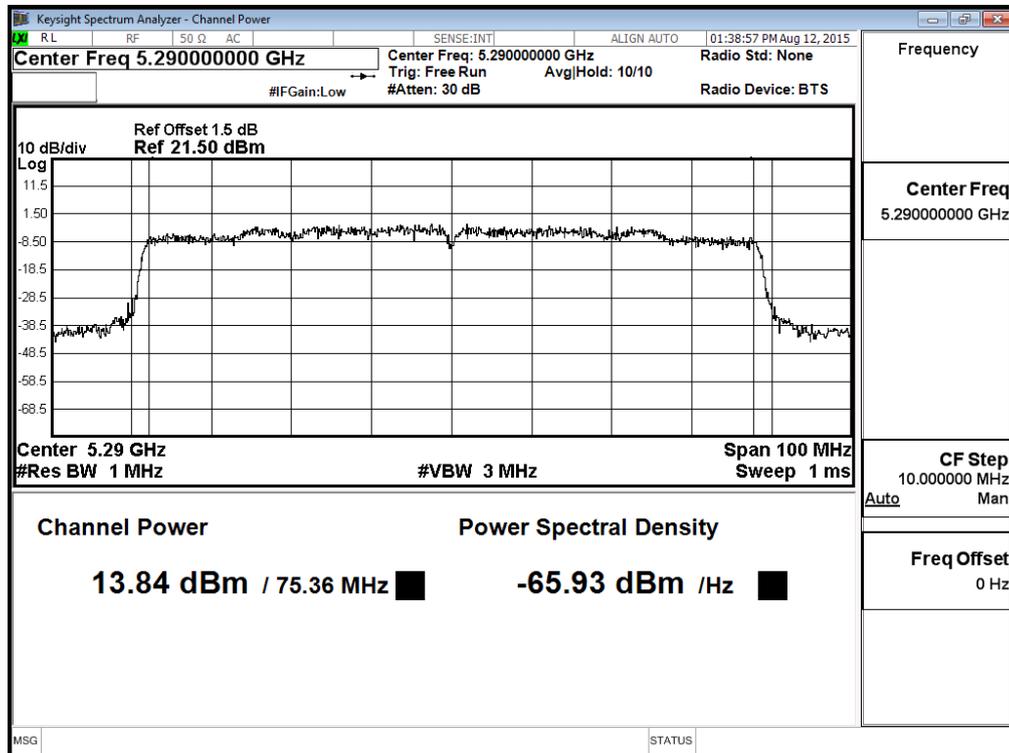
Maximum conducted output power:
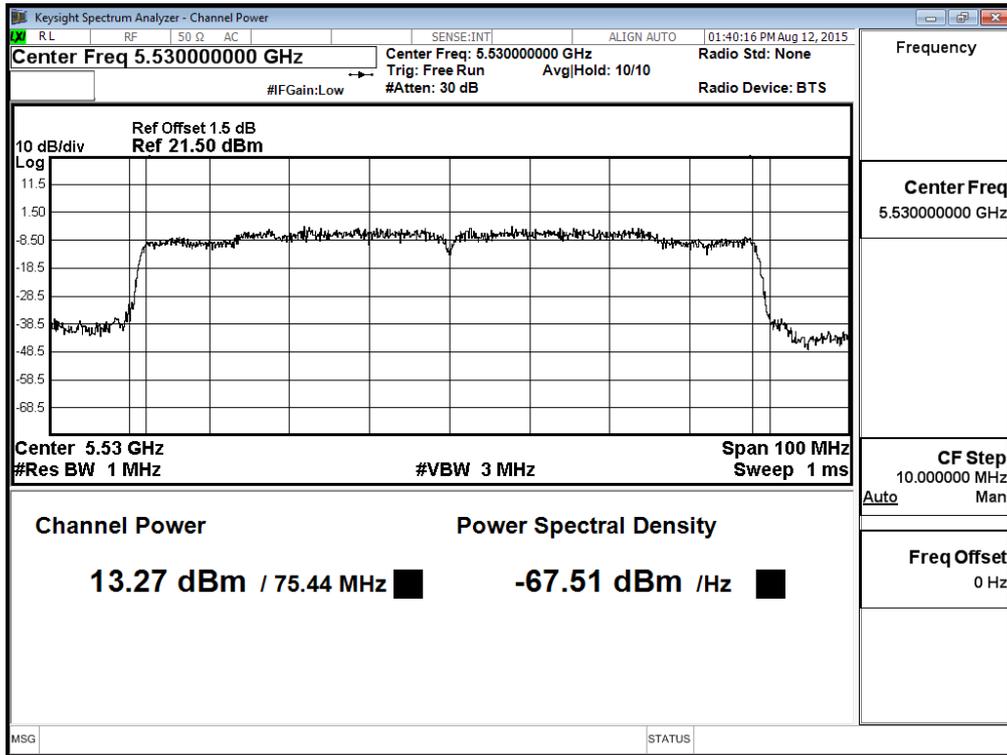
Channel 106 – Chain B

Maximum conducted output power:

Channel 138 (Band3) – Chain B
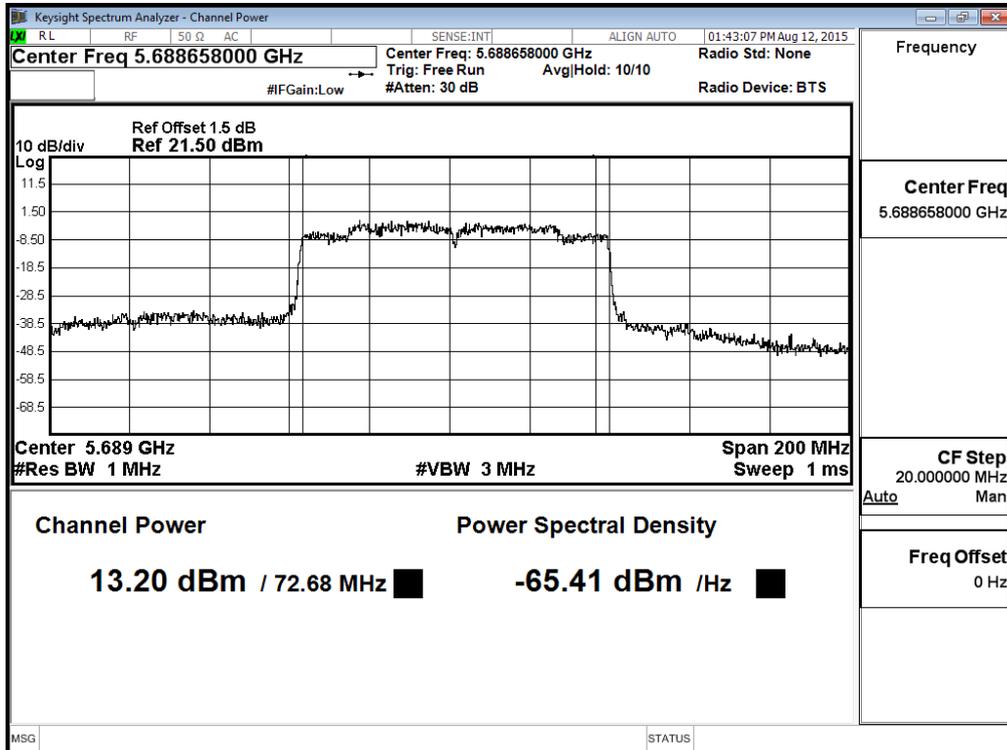
Maximum conducted output power:

Channel 138 (Band4) – Chain B
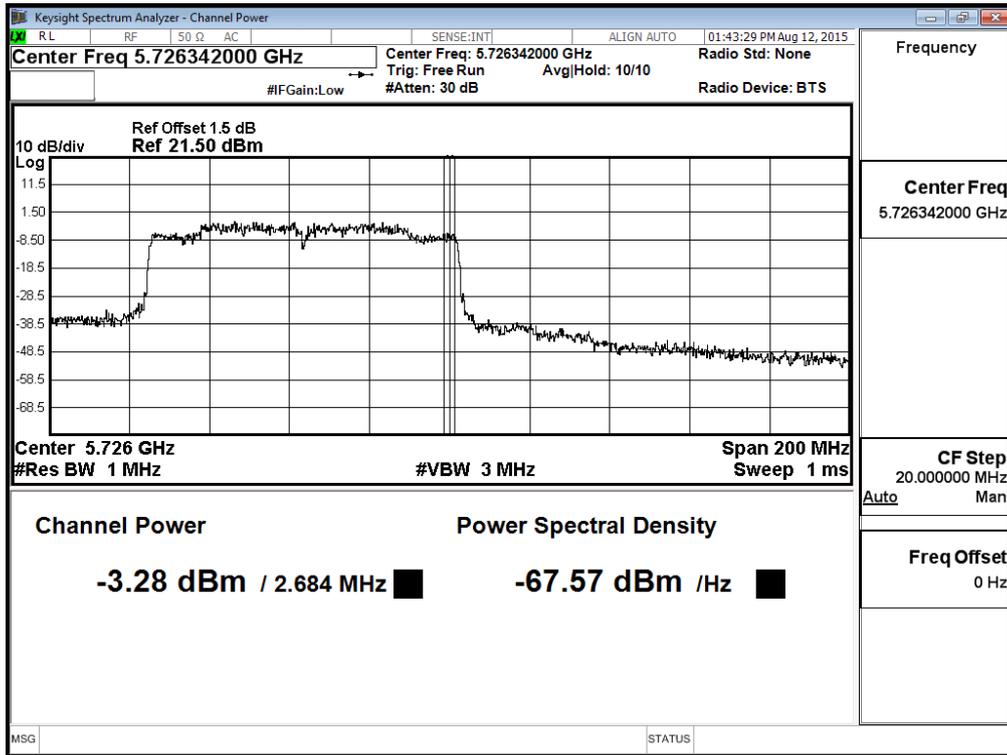
3. Radiated Emission

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., 2014
	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., 2014
	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
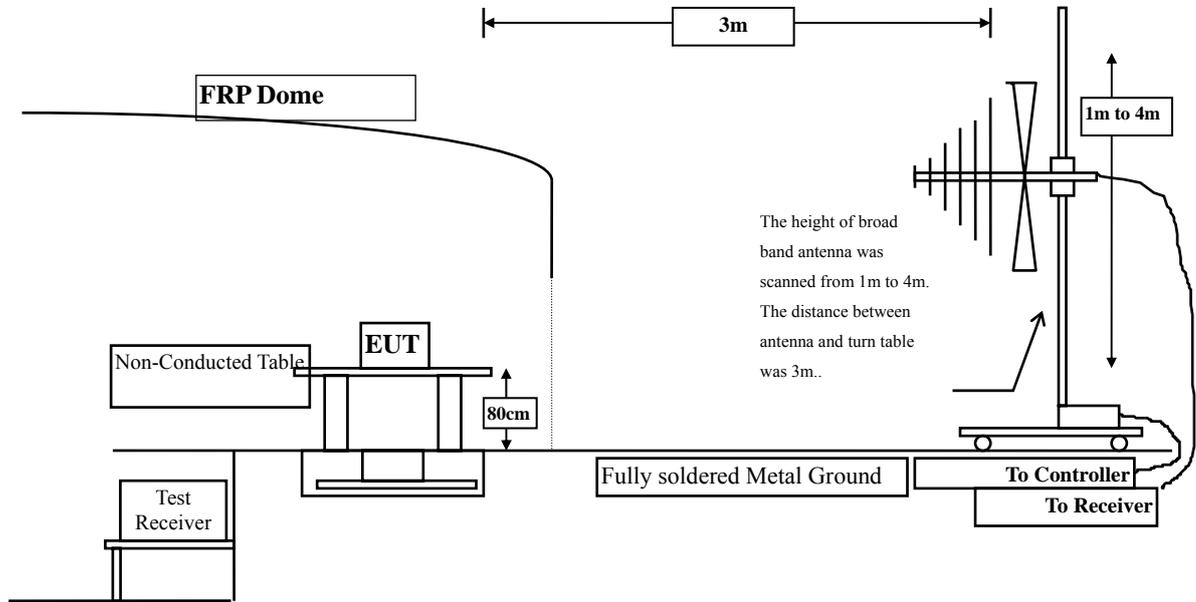
Radiated Emission Above 1GHz
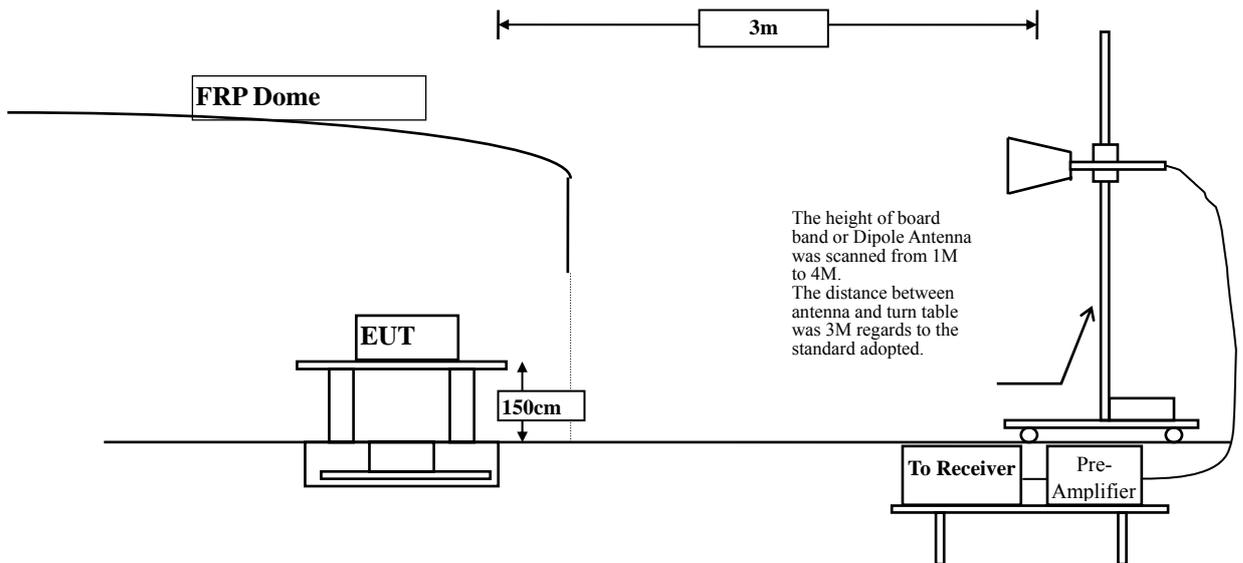
3.3. Limits

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 FCC KDB-789033 test procedure for compliance to FCC 47CFR 15. 407 requirements.

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

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

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

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

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

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

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

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

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

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

3.5. Uncertainty

± 3.8 dB below 1GHz
± 3.9 dB above 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: Transmit (802.11a-6Mbps) (5180MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10360.000	14.386	38.828	53.214	-20.786	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	14.386	35.803	50.189	-23.811	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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: Transmit (802.11a-6Mbps) (5220MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10440.000	14.577	35.815	50.392	-23.608	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	14.577	38.602	53.179	-20.821	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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: Transmit (802.11a-6Mbps) (5240MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10480.000	14.461	35.390	49.851	-24.149	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	14.461	36.371	50.832	-23.168	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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: Transmit (802.11a-6Mbps) (5260MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10520.000	14.310	35.959	50.269	-23.731	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	14.310	35.918	50.228	-23.772	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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: Transmit (802.11a-6Mbps) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10600.000	14.726	35.610	50.335	-23.665	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	14.726	36.113	50.838	-23.162	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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: Transmit (802.11a-6Mbps) (5320MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector:					
10640.000	14.543	36.202	50.745	-23.255	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	14.543	36.055	50.598	-23.402	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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: Transmit (802.11a-6Mbps) (5500MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector:					
11000.000	14.556	35.986	50.543	-23.457	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	14.556	35.809	50.366	-23.634	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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: Transmit (802.11a-6Mbps) (5580MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11160.000	14.985	35.199	50.184	-23.816	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	14.985	35.680	50.665	-23.335	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	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: Transmit (802.11a-6Mbps) (5700MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11400.000	15.632	35.455	51.087	-22.913	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	15.632	36.990	52.622	-21.378	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	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: Transmit (802.11n-20BW 14.4Mbps) (5180MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10360.000	14.386	36.123	50.509	-23.491	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	14.386	35.860	50.246	-23.754	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	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: Transmit (802.11n-20BW 14.4Mbps) (5220MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10440.000	14.577	35.599	50.176	-23.824	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	14.577	36.321	50.898	-23.102	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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: Transmit (802.11n-20BW 14.4Mbps) (5240MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10480.000	14.461	35.416	49.877	-24.123	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	14.461	35.936	50.397	-23.603	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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: Transmit (802.11n-20BW 14.4Mbps) (5260MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10520.000	14.310	35.951	50.261	-23.739	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	14.310	35.853	50.163	-23.837	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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: Transmit (802.11n-20BW 14.4Mbps) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10600.000	14.726	36.002	50.727	-23.273	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	14.726	37.475	52.200	-21.800	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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: Transmit (802.11n-20BW 14.4Mbps) (5320MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10640.000	14.543	35.658	50.201	-23.799	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	14.543	36.329	50.872	-23.128	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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: Transmit (802.11n-20BW 14.4Mbps) (5500MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11000.000	14.556	36.543	51.100	-22.900	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	14.556	37.023	51.580	-22.420	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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: Transmit (802.11n-20BW 14.4Mbps) (5580MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11160.000	14.985	38.814	53.799	-20.201	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	14.985	42.716	57.701	-16.299	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
11160.000	14.985	28.104	43.089	-10.911	54.000

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

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5700MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11400.000	15.632	47.285	62.917	-11.083	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
11400.000	15.632	31.945	47.577	-6.423	54.000
Vertical					
Peak Detector:					
11400.000	15.632	46.451	62.083	-11.917	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
11400.000	15.632	35.395	51.027	-2.973	54.000

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

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5190MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10380.000	14.224	35.985	50.208	-23.792	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10380.000	14.224	35.767	49.990	-24.010	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	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 3: Transmit (802.11n-40BW 30Mbps) (5230MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10460.000	14.510	35.287	49.797	-24.203	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10460.000	14.510	35.850	50.360	-23.640	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	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 3: Transmit (802.11n-40BW 30Mbps) (5270MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10540.000	14.459	35.500	49.959	-24.041	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10540.000	14.459	35.910	50.369	-23.631	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	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 3: Transmit (802.11n-40BW 30Mbps) (5310MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10620.000	14.655	36.015	50.670	-23.330	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10620.000	14.655	35.638	50.293	-23.707	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 3: Transmit (802.11n-40BW 30Mbps) (5510MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11020.000	14.838	35.616	50.453	-23.547	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11020.000	14.838	36.399	51.236	-22.764	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 3: Transmit (802.11n-40BW 30Mbps) (5550MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11100.000	15.271	37.352	52.623	-21.377	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11100.000	15.271	38.092	53.363	-20.637	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	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 3: Transmit (802.11n-40BW 30Mbps) (5670MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11340.000	15.331	42.343	57.674	-16.326	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
11340.000	15.331	28.677	44.008	-9.992	54.000
Vertical					
Peak Detector:					
11340.000	15.331	45.323	60.654	-13.346	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
11340.000	15.331	31.298	46.629	-7.371	54.000

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

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-20BW-14.4Mbps) (5720MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11440.000	15.597	35.240	50.837	-23.163	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11440.000	15.597	35.200	50.797	-23.203	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 5: Transmit (802.11ac-40BW-30Mbps) (5710MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11420.000	15.557	34.630	50.188	-23.812	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11420.000	15.557	36.100	51.658	-22.342	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 6: Transmit (802.11ac-80BW-65Mbps) (5210MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
10420.000	14.402	35.380	49.782	-24.218	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10420.000	14.402	35.930	50.332	-23.668	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 6: Transmit (802.11ac-80BW-65Mbps) (5290MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
10580.000	14.673	35.230	49.904	-24.096	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10580.000	14.673	36.380	51.054	-22.946	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 6: Transmit (802.11ac-80BW-65Mbps) (5530MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11060.000	15.825	35.490	51.314	-22.686	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11060.000	15.825	35.770	51.594	-22.406	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 6: Transmit (802.11ac-80BW-65Mbps) (5690MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11380.000	15.426	35.310	50.736	-23.264	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11380.000	15.426	37.970	53.396	-20.604	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps) (5220MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector					
198.780	-9.958	40.135	30.177	-13.323	43.500
338.460	-3.380	39.693	36.312	-9.688	46.000
450.980	0.835	34.601	35.436	-10.564	46.000
598.420	3.524	35.796	39.320	-6.680	46.000
749.740	3.963	31.450	35.413	-10.587	46.000
910.760	6.484	30.760	37.244	-8.756	46.000
Vertical					
Peak Detector					
192.960	-5.655	36.696	31.041	-12.459	43.500
350.100	-1.278	38.749	37.471	-8.529	46.000
493.660	-1.656	38.714	37.059	-8.941	46.000
635.280	-1.412	38.535	37.123	-8.877	46.000
813.760	2.886	32.232	35.118	-10.882	46.000
967.020	3.889	26.662	30.551	-23.449	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
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
169.680	-9.726	37.966	28.240	-15.260	43.500
340.400	-3.237	40.062	36.825	-9.175	46.000
460.680	4.030	31.020	35.050	-10.950	46.000
612.000	3.403	34.427	37.829	-8.171	46.000
771.080	5.126	31.590	36.717	-9.283	46.000
951.500	6.993	24.351	31.344	-14.656	46.000
Vertical					
Peak Detector					
177.440	-1.248	29.361	28.113	-15.387	43.500
284.140	-5.517	38.728	33.211	-12.789	46.000
396.660	-2.039	38.574	36.535	-9.465	46.000
575.140	-2.335	37.336	35.001	-10.999	46.000
759.440	2.110	35.696	37.806	-8.194	46.000
924.340	3.149	31.962	35.111	-10.889	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
Test Site   :   No.3 OATS
Test Mode :   Mode 1: Transmit (802.11a-6Mbps) (5580MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector					
222.060	-10.124	40.086	29.961	-16.039	46.000
377.260	1.107	34.903	36.010	-9.990	46.000
513.060	3.186	33.303	36.489	-9.511	46.000
662.440	1.882	31.323	33.205	-12.795	46.000
796.300	6.389	32.325	38.714	-7.286	46.000
951.500	6.993	30.558	37.551	-8.449	46.000
Vertical					
Peak Detector					
218.180	-6.306	36.743	30.437	-15.563	46.000
398.600	-2.371	38.232	35.861	-10.139	46.000
503.360	-0.086	33.082	32.996	-13.004	46.000
627.520	-0.327	35.413	35.086	-10.914	46.000
806.000	3.686	31.718	35.404	-10.596	46.000
967.020	3.889	26.341	30.230	-23.770	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
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5220MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
189.080	-10.027	39.015	28.988	-14.512	43.500
326.820	-4.499	38.425	33.926	-12.074	46.000
493.660	1.474	35.336	36.811	-9.189	46.000
660.500	1.889	35.682	37.571	-8.429	46.000
804.060	6.271	32.045	38.316	-7.684	46.000
949.560	7.036	24.534	31.570	-14.430	46.000
Vertical					
Peak Detector					
185.200	-5.401	35.709	30.308	-13.192	43.500
322.940	-3.616	36.007	32.392	-13.608	46.000
460.680	-1.930	38.748	36.818	-9.182	46.000
658.560	-1.778	37.738	35.960	-10.040	46.000
813.760	2.886	33.703	36.589	-9.411	46.000
967.020	3.889	26.440	30.329	-23.671	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
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
222.060	-10.124	40.062	29.937	-16.063	46.000
332.640	-3.895	37.790	33.895	-12.105	46.000
445.160	-0.432	37.123	36.691	-9.309	46.000
608.120	3.925	32.561	36.486	-9.514	46.000
782.720	5.387	28.897	34.284	-11.716	46.000
959.260	6.640	30.967	37.607	-8.393	46.000
Vertical					
Peak Detector					
218.180	-6.306	35.333	29.027	-16.973	46.000
342.340	-0.936	37.497	36.561	-9.439	46.000
513.060	0.436	34.939	35.375	-10.625	46.000
660.500	-1.111	36.902	35.791	-10.209	46.000
774.960	2.023	28.675	30.698	-15.302	46.000
930.160	3.830	26.619	30.449	-15.551	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
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5580MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
175.500	-9.792	38.258	28.466	-15.034	43.500
342.340	-2.566	37.893	35.327	-10.673	46.000
495.600	1.463	35.454	36.917	-9.083	46.000
646.920	1.489	35.681	37.170	-8.830	46.000
794.360	6.387	29.983	36.370	-9.630	46.000
941.800	6.790	22.087	28.877	-17.123	46.000
Vertical					
Peak Detector					
191.020	-5.629	35.811	30.182	-13.318	43.500
309.360	-4.043	39.525	35.482	-10.518	46.000
452.920	-4.860	42.470	37.610	-8.390	46.000
629.460	-1.028	38.949	37.921	-8.079	46.000
782.720	2.757	31.489	34.246	-11.754	46.000
943.740	3.383	26.166	29.549	-16.451	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
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5230MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
187.140	-11.217	39.478	28.261	-15.239	43.500
330.700	-4.284	39.041	34.758	-11.242	46.000
503.360	1.994	35.540	37.534	-8.466	46.000
644.980	1.237	35.207	36.444	-9.556	46.000
798.240	6.409	31.575	37.983	-8.017	46.000
951.500	6.993	23.998	30.991	-15.009	46.000
Vertical					
Peak Detector					
183.260	-3.735	32.777	29.042	-14.458	43.500
313.240	-4.090	37.929	33.839	-12.161	46.000
478.140	-3.423	39.820	36.397	-9.603	46.000
627.520	-0.327	38.059	37.732	-8.268	46.000
780.780	2.769	30.887	33.656	-12.344	46.000
934.040	2.986	26.627	29.613	-16.387	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
Test Site   :   No.3 OATS
Test Mode   :   Mode 3: Transmit (802.11n-40BW 30Mbps) (5270MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
212.360	-10.382	38.538	28.156	-15.344	43.500
392.780	0.810	35.221	36.031	-9.969	46.000
538.280	3.316	33.257	36.573	-9.427	46.000
677.960	2.830	34.901	37.731	-8.269	46.000
784.660	5.526	25.040	30.566	-15.434	46.000
941.800	6.790	27.256	34.046	-11.954	46.000
Vertical					
Peak Detector					
222.060	-6.484	37.786	31.301	-14.699	46.000
340.400	-1.287	36.509	35.222	-10.778	46.000
489.780	-2.262	39.099	36.837	-9.163	46.000
666.320	-0.951	38.447	37.496	-8.504	46.000
800.180	2.637	30.889	33.526	-12.474	46.000
943.740	3.383	28.680	32.063	-13.937	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
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5550MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
216.240	-10.271	38.212	27.941	-18.059	46.000
386.960	1.112	35.409	36.521	-9.479	46.000
540.220	3.499	33.013	36.512	-9.488	46.000
716.760	3.809	31.112	34.921	-11.079	46.000
837.040	6.016	30.410	36.426	-9.574	46.000
934.040	6.956	24.452	31.408	-14.592	46.000
Vertical					
Peak Detector					
183.260	-3.735	31.128	27.393	-16.107	43.500
311.300	-4.071	38.920	34.849	-11.151	46.000
472.320	-3.508	41.701	38.193	-7.807	46.000
656.620	-2.535	38.091	35.556	-10.444	46.000
819.580	3.001	31.510	34.511	-11.489	46.000
965.080	3.832	27.673	31.505	-22.495	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
Test Site   :   No.3 OATS
Test Mode   :   Mode 4: Transmit (802.11ac-20BW-14.4Mbps) (5720MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
189.080	-10.027	42.950	32.923	-10.577	43.500
307.420	-4.120	42.103	37.983	-8.017	46.000
456.800	2.432	36.142	38.574	-7.426	46.000
610.060	3.657	34.489	38.146	-7.854	46.000
763.320	5.113	24.286	29.399	-16.601	46.000
934.040	6.956	30.428	37.384	-8.616	46.000
Vertical					
Peak Detector					
222.060	-6.484	42.237	35.752	-10.248	46.000
361.740	-0.646	38.483	37.836	-8.164	46.000
540.220	2.169	36.583	38.752	-7.248	46.000
662.440	-0.998	32.512	31.514	-14.486	46.000
811.820	2.851	35.171	38.022	-7.978	46.000
968.960	3.936	32.932	36.868	-17.132	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
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit (802.11ac-40BW-30Mbps) (5710MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
214.300	-10.329	43.410	33.081	-10.419	43.500
377.260	1.107	37.506	38.613	-7.387	46.000
507.240	2.529	35.870	38.399	-7.601	46.000
635.280	1.798	36.313	38.111	-7.889	46.000
776.900	5.167	34.469	39.636	-6.364	46.000
941.800	6.790	22.674	29.464	-16.536	46.000
Vertical					
Peak Detector					
185.200	-5.401	37.939	32.538	-10.962	43.500
342.340	-0.936	38.924	37.988	-8.012	46.000
495.600	-1.237	39.410	38.173	-7.827	46.000
691.540	2.092	34.996	37.088	-8.912	46.000
825.400	3.016	26.510	29.526	-16.474	46.000
965.080	3.832	35.371	39.203	-14.797	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
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5210MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
198.780	-9.958	45.083	35.125	-8.375	43.500
348.160	-1.320	39.610	38.290	-7.710	46.000
487.840	1.400	37.777	39.176	-6.824	46.000
662.440	1.882	34.623	36.505	-9.495	46.000
811.820	6.281	34.128	40.409	-5.591	46.000
943.740	6.843	26.785	33.628	-12.372	46.000
Vertical					
Peak Detector					
183.260	-3.735	40.252	36.517	-6.983	43.500
286.080	-5.409	40.901	35.492	-10.508	46.000
394.720	-1.697	40.815	39.118	-6.882	46.000
575.140	-2.335	38.390	36.055	-9.945	46.000
749.740	2.023	37.134	39.157	-6.843	46.000
934.040	2.986	32.740	35.726	-10.274	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
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5290MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
202.660	-10.183	41.887	31.705	-11.795	43.500
355.920	-1.242	39.220	37.978	-8.022	46.000
501.420	2.019	36.182	38.201	-7.799	46.000
646.920	1.489	35.373	36.862	-9.138	46.000
794.360	6.387	34.477	40.864	-5.136	46.000
949.560	7.036	26.323	33.359	-12.641	46.000
Vertical					
Peak Detector					
187.140	-5.607	38.629	33.022	-10.478	43.500
338.460	-1.640	39.558	37.917	-8.083	46.000
499.480	-0.199	38.410	38.210	-7.790	46.000
633.340	-1.450	36.797	35.347	-10.653	46.000
811.820	2.851	35.425	38.276	-7.724	46.000
967.020	3.889	28.780	32.669	-21.331	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
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5530MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
Peak Detector					
175.500	-9.792	43.315	33.523	-9.977	43.500
282.200	-6.074	43.994	37.920	-8.080	46.000
427.700	0.210	37.225	37.435	-8.565	46.000
602.300	3.794	26.982	30.776	-15.224	46.000
761.380	5.145	34.281	39.425	-6.575	46.000
934.040	6.956	24.856	31.812	-14.188	46.000
Vertical					
Peak Detector					
177.440	-1.248	34.437	33.189	-10.311	43.500
303.540	-3.998	41.690	37.692	-8.308	46.000
454.860	-4.096	40.561	36.464	-9.536	46.000
596.480	0.907	39.514	40.421	-5.579	46.000
786.600	2.724	34.459	37.184	-8.816	46.000
939.860	3.400	27.372	30.772	-15.228	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

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., 2014
	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:

| EUT | RF Cable | SMA Connector | Spectrum Analyzer |

RF Radiated Measurement:

The height of board band or Dipole Antenna was scanned from 1M to 4M.
The distance between antenna and turn table was 3M regards to the standard adopted.
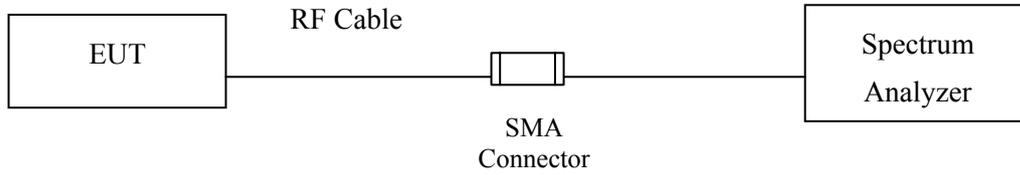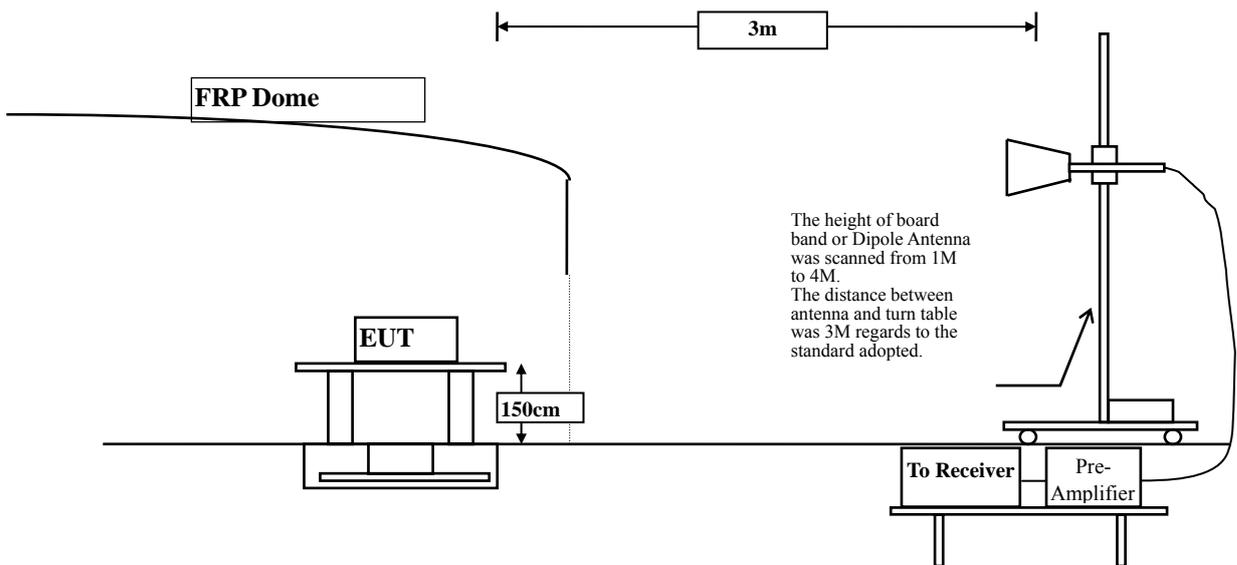
4.3.   Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

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

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

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

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

4.4.   Test Procedure

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz. The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

4.5.   Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz

4.6.   Test Result of Band Edge

Product   :   INTEL DUAL BAND WIRELESS–AC 7265
Test Item   :   Band Edge Data
Test Site   :   No.3 OATS
Test Mode   :   Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (5180MHz)

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
36 (Peak)	5145.200	6.747	41.625	48.371	74.00	54.00	Pass
36 (Peak)	5150.000	6.786	40.779	47.565	74.00	54.00	Pass
36 (Peak)	5178.000	6.887	87.359	94.246	--	--	--
36 (Average)	5150.000	6.786	28.937	35.723	74.00	54.00	Pass
36 (Average)	5176.200	6.879	76.426	83.305	--	--	--

Figure Channel 36:   **Horizontal (Peak)**

Figure Channel 36:   **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 Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (5180MHz)

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
36 (Peak)	5139.000	6.693	40.833	47.526	74.00	54.00	Pass
36 (Peak)	5150.000	6.786	38.785	45.571	74.00	54.00	Pass
36 (Peak)	5182.400	6.904	85.462	92.366	--	--	--
36 (Average)	5150.000	6.786	27.484	34.270	74.00	54.00	Pass
36 (Average)	5181.600	6.902	74.453	81.354	--	--	--

Figure Channel 36:   **Vertical (Peak)**

Figure Channel 36:   **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 Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
64 (Peak)	5323.400	6.991	86.550	93.542	--	--	--
64 (Peak)	5350.000	7.086	39.509	46.594	74.00	54.00	Pass
64 (Peak)	5354.000	7.120	40.804	47.925	74.00	54.00	Pass
64 (Average)	5317.600	7.030	76.030	83.059	--	--	--
64 (Average)	5350.000	7.086	27.843	34.928	74.00	54.00	Pass

Figure Channel 64:   **Horizontal (Peak)**

Figure Channel 64:   **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 Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
64 (Peak)	5317.200	7.033	82.996	90.028	--	--	--
64 (Peak)	5350.000	7.086	38.975	46.060	74.00	54.00	Pass
64 (Peak)	5352.600	7.108	39.851	46.959	74.00	54.00	Pass
64 (Average)	5323.400	6.991	71.970	78.962	--	--	--
64 (Average)	5350.000	7.086	26.439	33.524	74.00	54.00	Pass

Figure Channel 64:   **Vertical (Peak)**

Figure Channel 64:   **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 Data

Test Site   :   No.3 OATS

Test Mode   :   Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
100 (Peak)	5458.400	7.365	40.491	47.856	74.00	54.00	Pass
100 (Peak)	5460.000	7.353	39.273	46.627	74.00	54.00	Pass
100 (Peak)	5497.600	7.233	84.502	91.735	--	--	--
100 (Average)	5457.000	7.375	27.377	34.752	74.00	54.00	Pass
100 (Average)	5460.000	7.353	27.250	34.604	74.00	54.00	Pass
100 (Average)	5502.000	7.334	73.690	81.025	--	--	--

Figure Channel 100:   **Horizontal (Peak)**
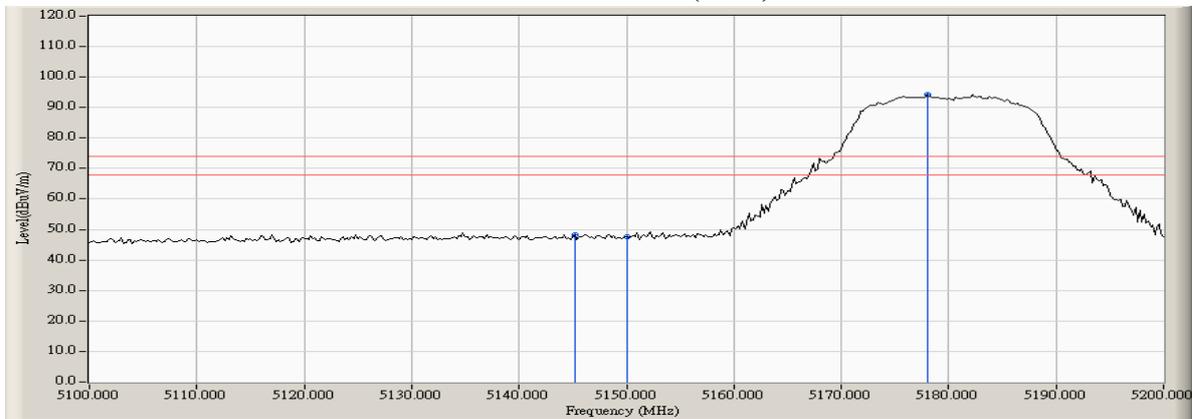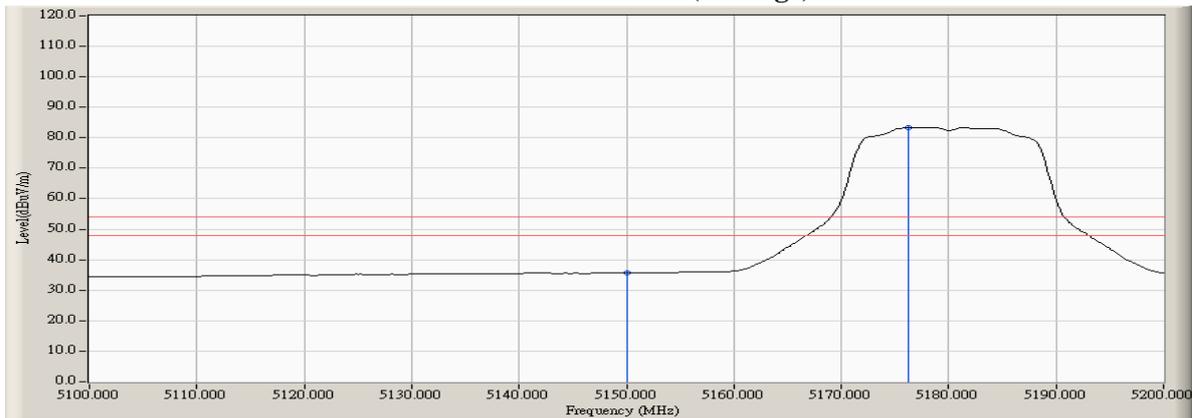

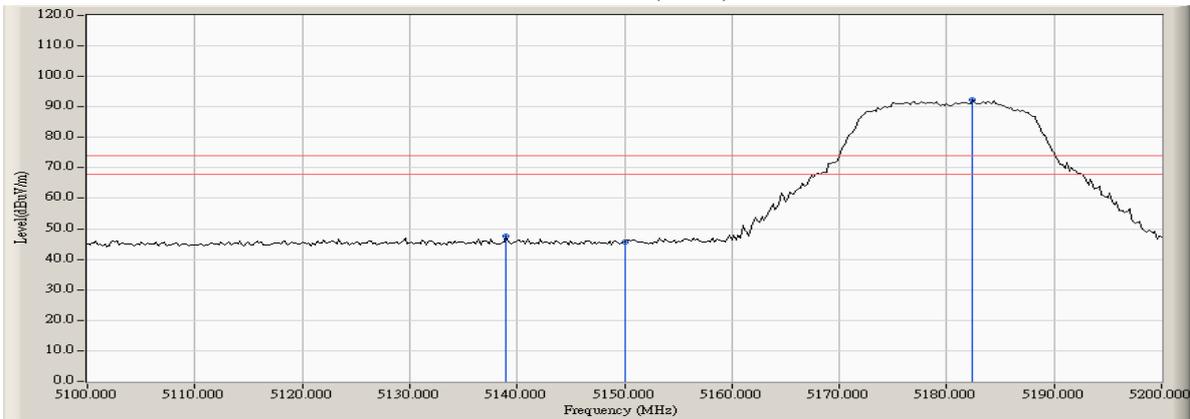**Figure Channel 100:**   **Horizontal (Average)**

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 Data

Test Site : No.3 OATS

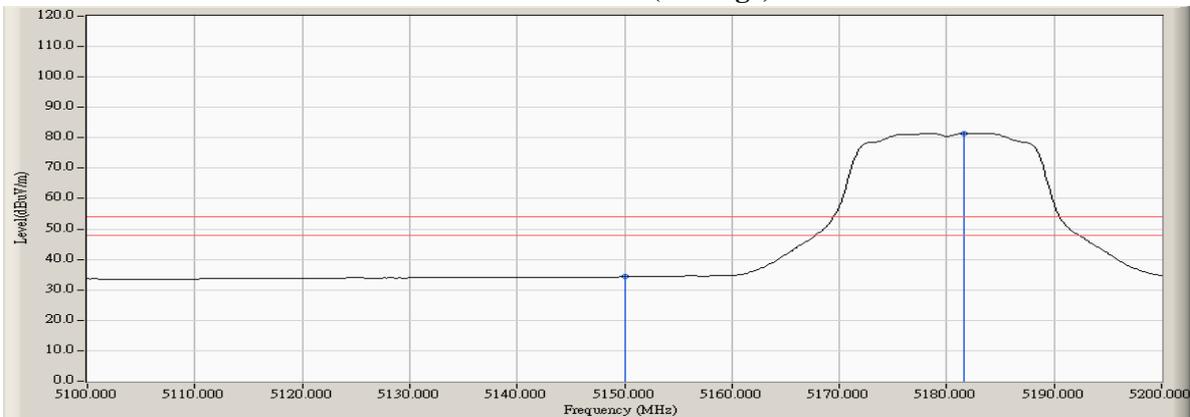Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Arerage Limit (dBµV/m)	Result
100 (Peak)	5446.000	7.352	39.166	46.518	74.00	54.00	Pass
100 (Peak)	5460.000	7.353	38.254	45.608	74.00	54.00	Pass
100 (Peak)	5496.000	7.196	79.548	86.745	--	--	--
100 (Average)	5445.400	7.351	26.450	33.801	74.00	54.00	Pass
100 (Average)	5460.000	7.353	26.291	33.645	74.00	54.00	Pass
100 (Average)	5496.200	7.201	69.422	76.623	--	--	--

Figure Channel 100:   **Vertical (Peak)**

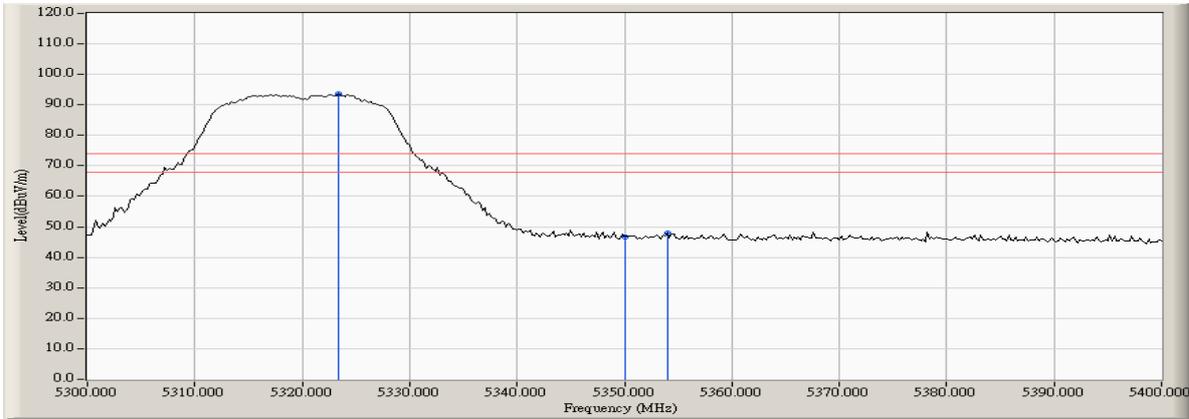**Figure Channel 100:**   **Vertical (Average)**

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 Data
Test Site   :   No.3 OATS
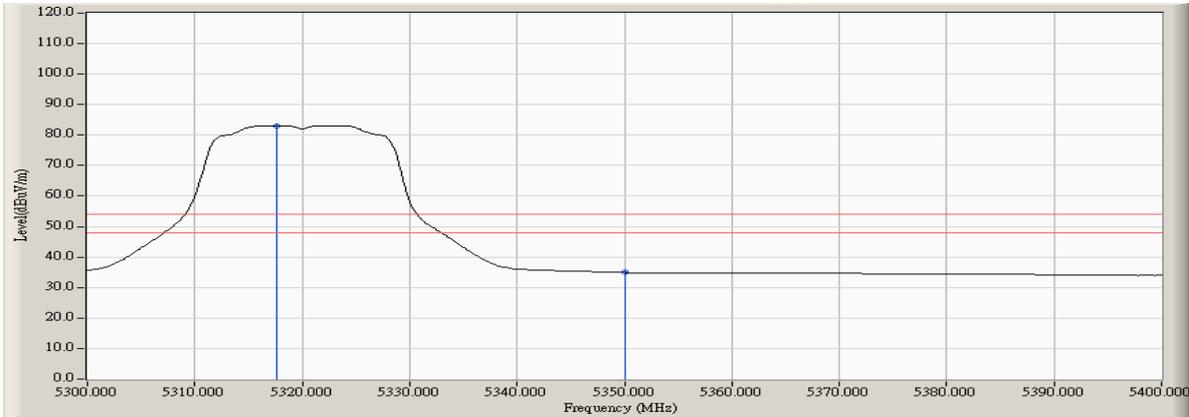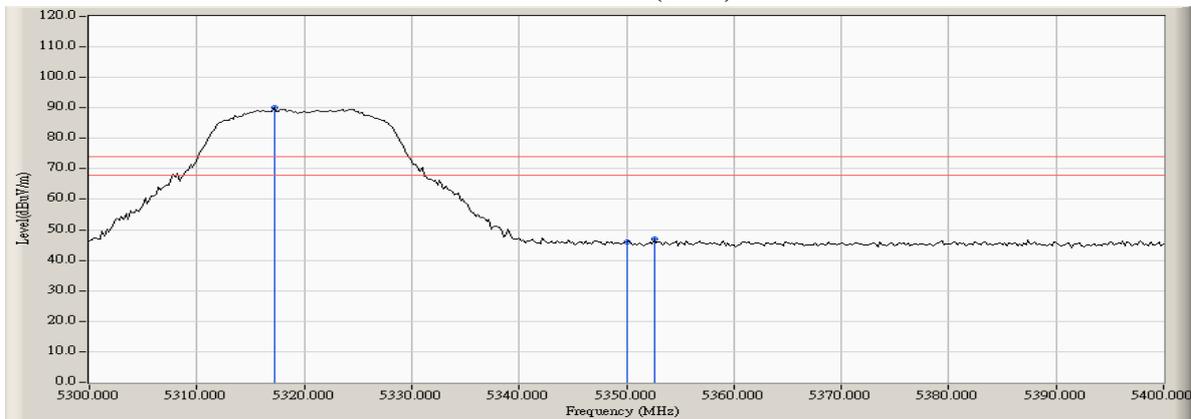Test Mode   :   Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5467.200	7.303	40.023	47.326	-20.894	68.220	Pass
Horizontal	5470.000	7.284	38.898	46.182	-22.038	68.220	Pass
Horizontal	5496.800	7.215	83.120	90.335	22.115	68.220	Pass
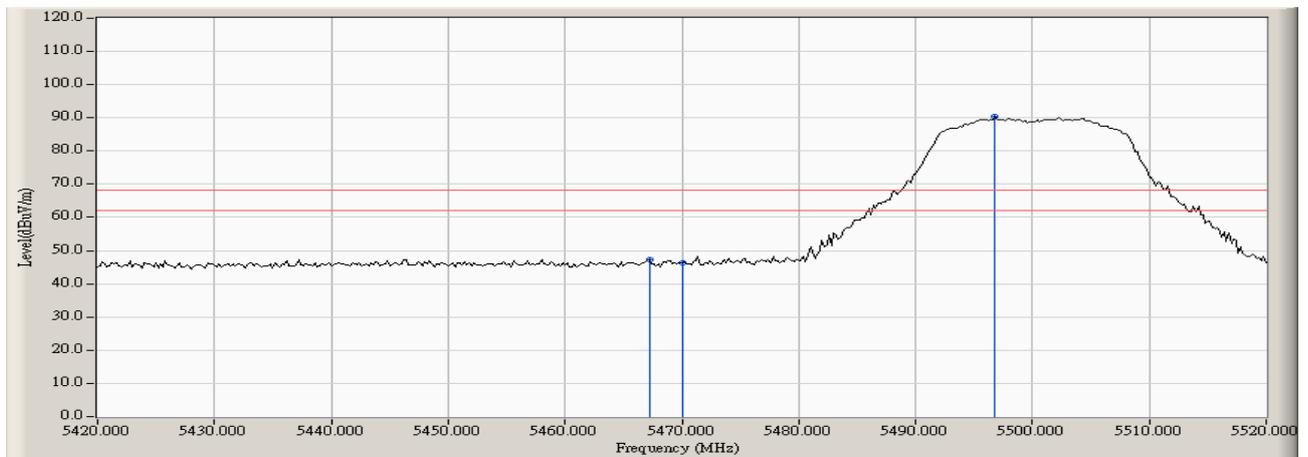
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5462.200	7.338	40.200	47.538	-20.682	68.220	Pass
Vertical	5470.000	7.284	39.620	46.904	-21.316	68.220	Pass
Vertical	5501.200	7.317	83.377	90.693	22.473	68.220	Pass

Product   :   INTEL DUAL BAND WIRELESS–AC 7265
Test Item   :   Band Edge Data
Test Site   :   No.3 OATS
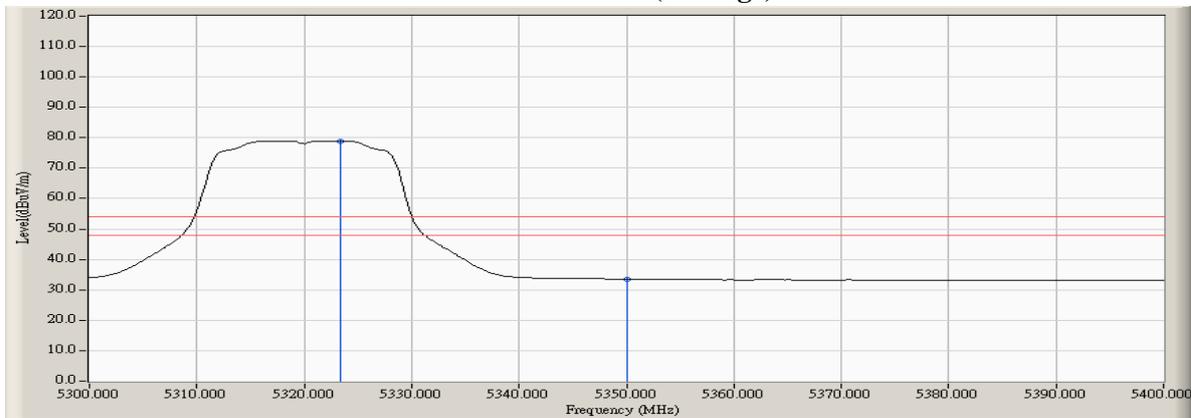Test Mode   :   Mode 1: Transmit (802.11a-6Mbps) -Channel 140 (5700MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5698.400	8.161	83.396	91.556	23.336	68.220	Pass
Horizontal	5725.000	8.030	39.144	47.174	-21.046	68.220	Pass
Horizontal	5760.000	7.899	40.236	48.135	-20.085	68.220	Pass
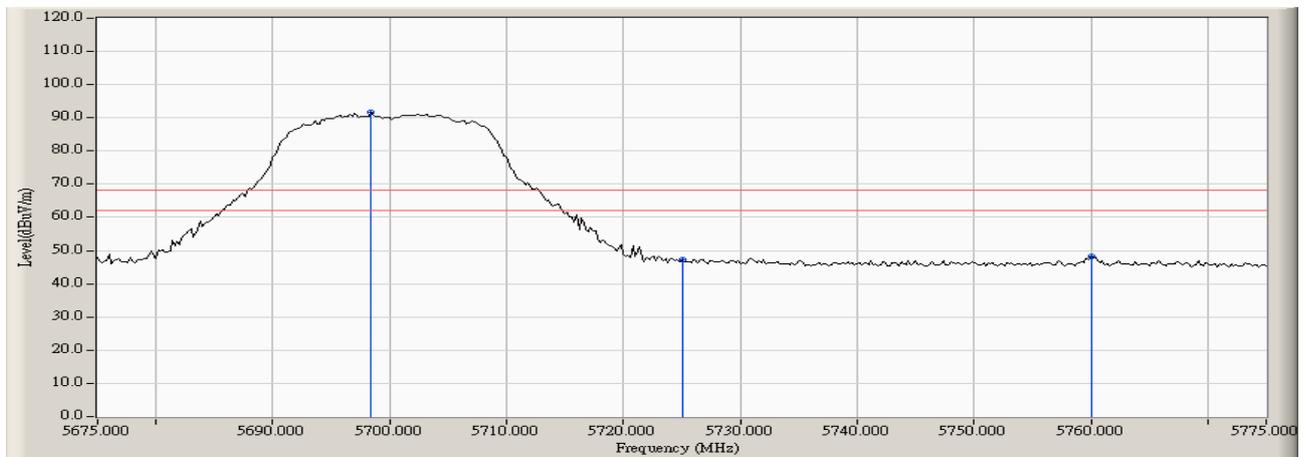
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5703.600	8.243	81.109	89.352	21.132	68.220	Pass
Vertical	5725.000	8.030	36.927	44.957	-23.263	68.220	Pass
Vertical	5760.000	7.899	40.394	48.293	-19.927	68.220	Pass

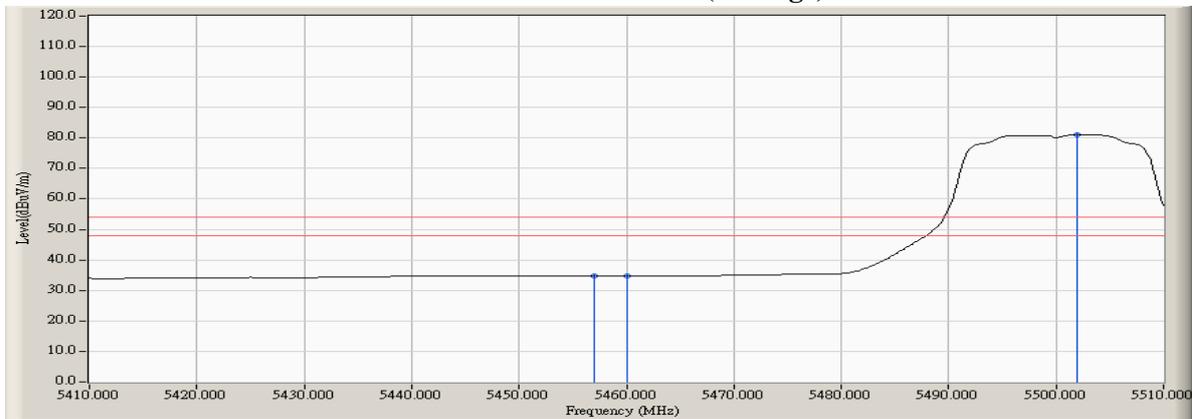| Product	:	INTEL DUAL BAND WIRELESS–AC 7265
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 36 (5180MHz)

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
36 (Peak)	5149.000	6.778	42.708	49.486	74.00	54.00	Pass
36 (Peak)	5150.000	6.786	40.453	47.239	74.00	54.00	Pass
36 (Peak)	5176.000	6.878	88.865	95.744	--	--	--
36 (Average)	5150.000	6.786	28.816	35.602	74.00	54.00	Pass
36 (Average)	5178.600	6.890	76.058	82.947	--	--	--

Figure Channel 36:   **Horizontal (Peak)**

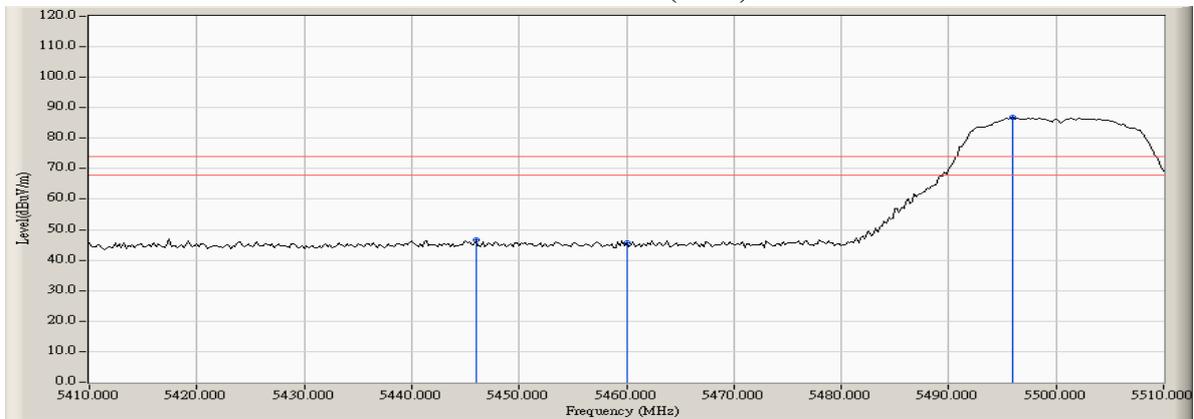**Figure Channel 36:**   **Horizontal (Average)**

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.

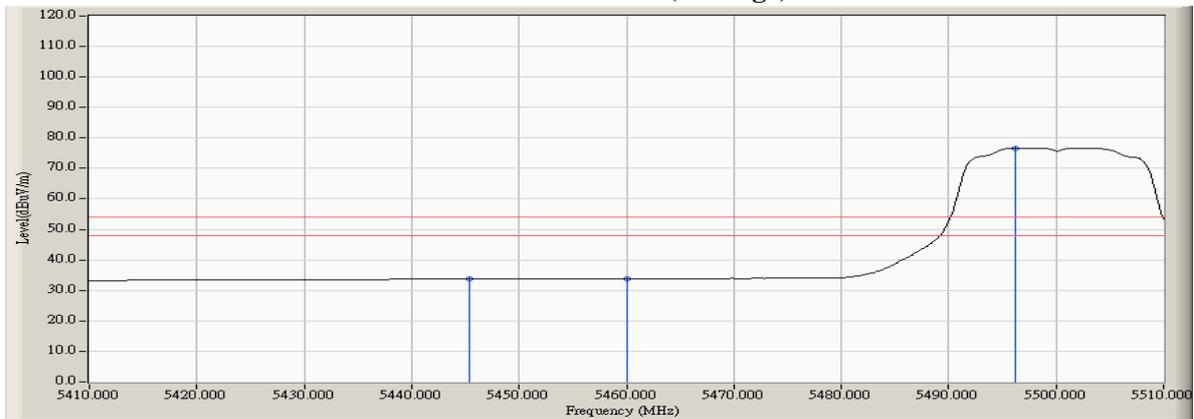| Product	:	INTEL DUAL BAND WIRELESS–AC 7265
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 36 (5180MHz)

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
36 (Peak)	5148.200	6.771	41.032	47.804	74.00	54.00	Pass
36 (Peak)	5150.000	6.786	39.312	46.098	74.00	54.00	Pass
36 (Peak)	5175.800	6.878	89.129	96.007	--	--	--
36 (Average)	5150.000	6.786	27.944	34.730	74.00	54.00	Pass
36 (Average)	5184.000	6.910	75.632	82.542	--	--	--

Figure Channel 36:   **Vertical (Peak)**

**Figure Channel 36:**   **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.
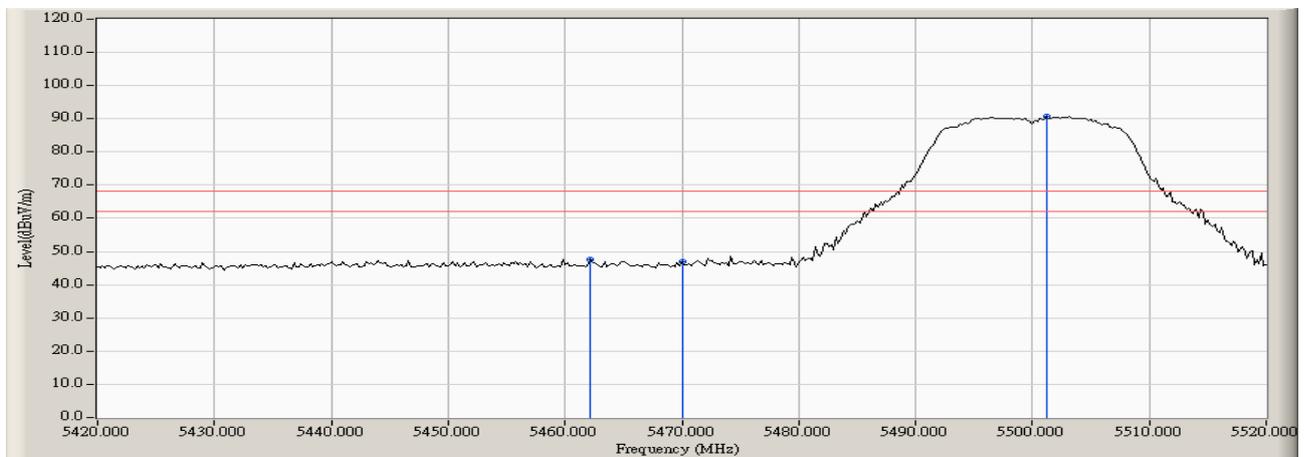
Product	:	INTEL DUAL BAND WIRELESS–AC 7265
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 64 (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
64 (Peak)	5316.200	7.039	87.081	94.120	--	--	--
64 (Peak)	5350.000	7.086	40.595	47.680	74.00	54.00	Pass
64 (Peak)	5352.600	7.108	42.201	49.309	74.00	54.00	Pass
64 (Average)	5318.400	7.023	74.443	81.467	--	--	--
64 (Average)	5350.000	7.086	27.775	34.860	74.00	54.00	Pass

Figure Channel 64:   **Horizontal (Peak)**

Figure Channel 64:   **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.

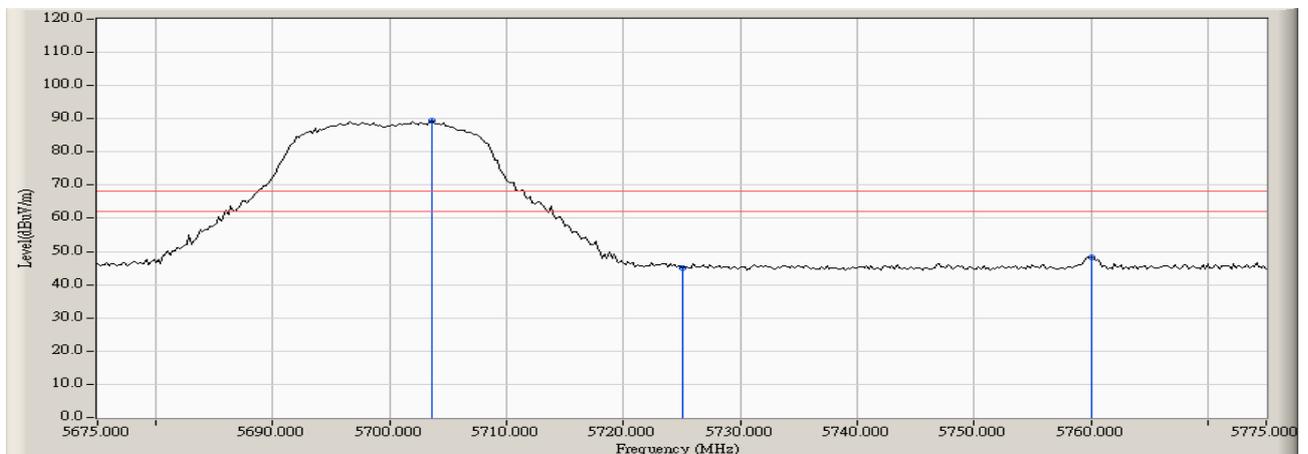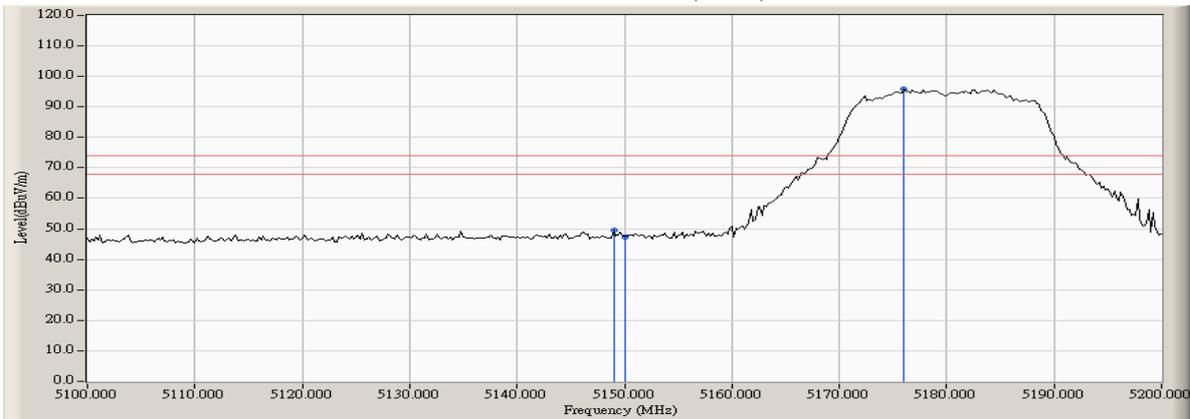Product   :   INTEL DUAL BAND WIRELESS–AC 7265
Test Item   :   Band Edge Data
Test Site   :   No.3 OATS
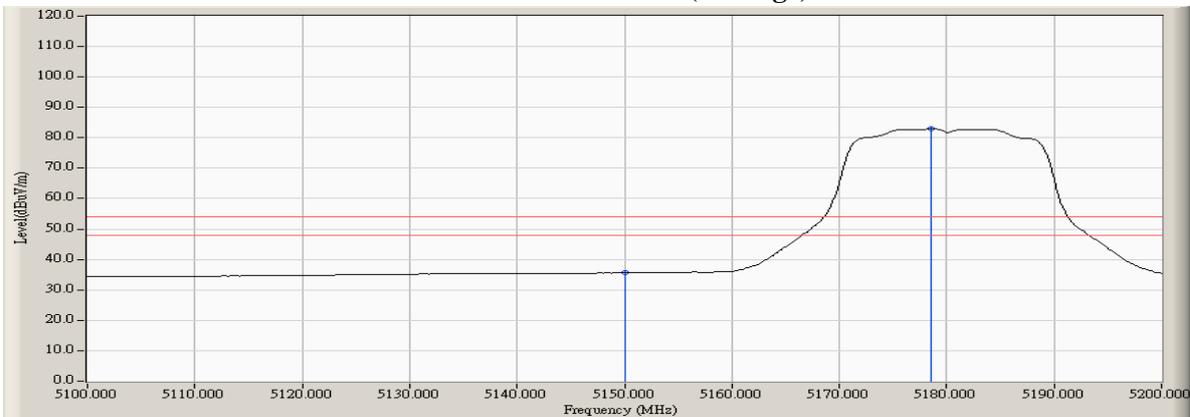Test Mode   :   Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 64 (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
64 (Peak)	5318.000	7.026	83.170	90.196	--	--	--
64 (Peak)	5350.000	7.086	38.550	45.635	74.00	54.00	Pass
64 (Average)	5316.400	7.038	70.596	77.634	--	--	--
64 (Average)	5350.000	7.086	26.338	33.423	74.00	54.00	Pass

Figure Channel 64:   **Vertical (Peak)**

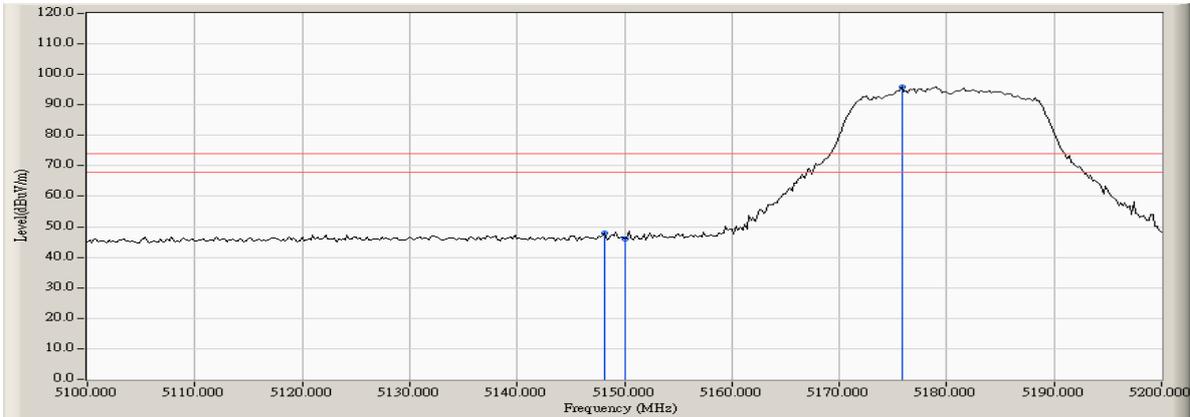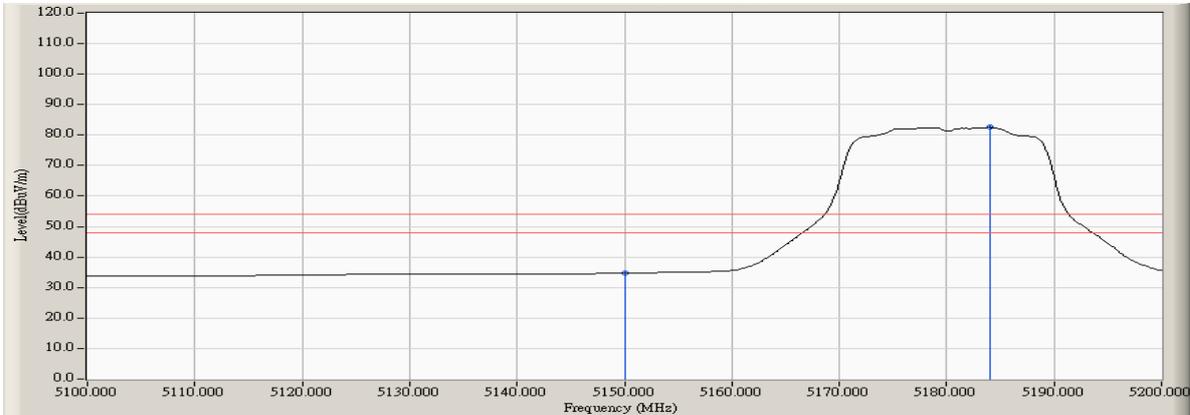**Figure Channel 64:**   **Vertical (Average)**

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 Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
100 (Peak)	5456.200	7.373	39.423	46.796	74.00	54.00	Pass
100 (Peak)	5460.000	7.353	38.381	45.735	74.00	54.00	Pass
100 (Peak)	5497.800	7.239	84.606	91.844	--	--	--
100 (Average)	5460.000	7.353	26.975	34.329	74.00	54.00	Pass
100 (Average)	5503.400	7.367	71.803	79.170	--	--	--

Figure Channel 100:   **Horizontal (Peak)**

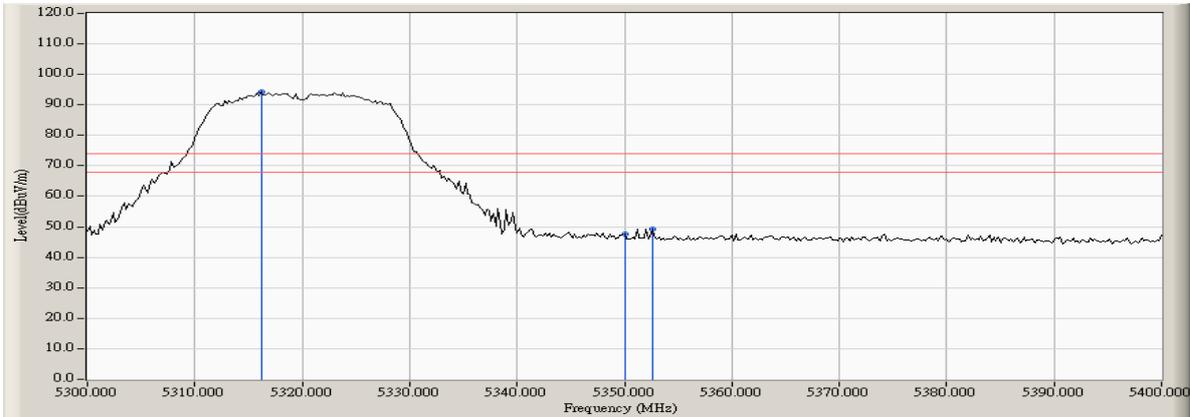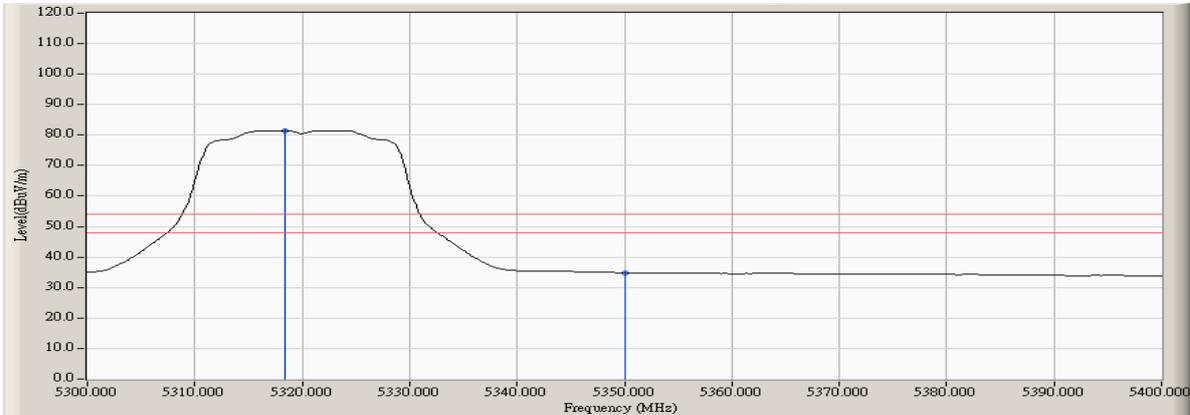**Figure Channel 100:**   **Horizontal (Average)**

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 Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Arerage Limit (dBµV/m)	Result
100 (Peak)	5453.400	7.367	39.749	47.116	74.00	54.00	Pass
100 (Peak)	5460.000	7.353	38.719	46.073	74.00	54.00	Pass
100 (Peak)	5505.000	7.404	85.458	92.862	--	--	--
100 (Average)	5460.000	7.353	26.620	33.974	74.00	54.00	Pass
100 (Average)	5504.000	7.381	72.907	80.288	--	--	--

Figure Channel 100:   **Vertical (Peak)**

Figure Channel 100:   **Vertical (Average)**
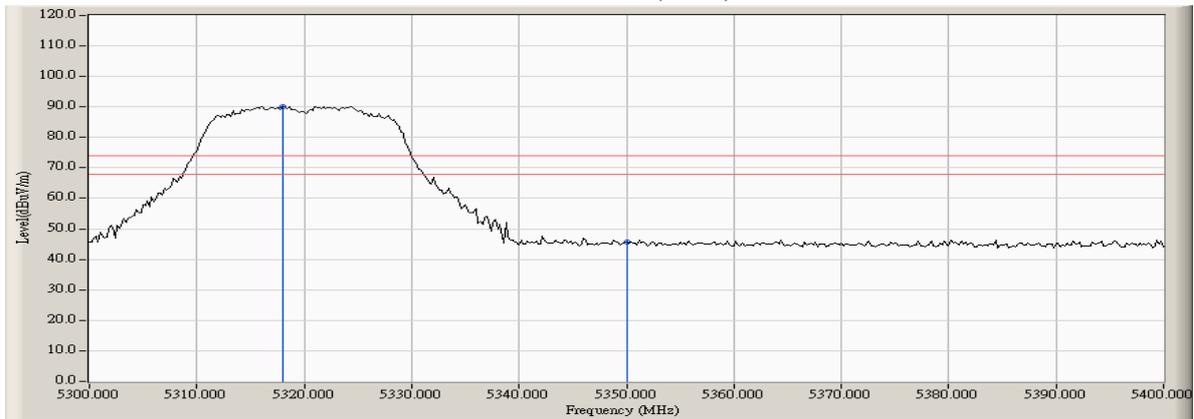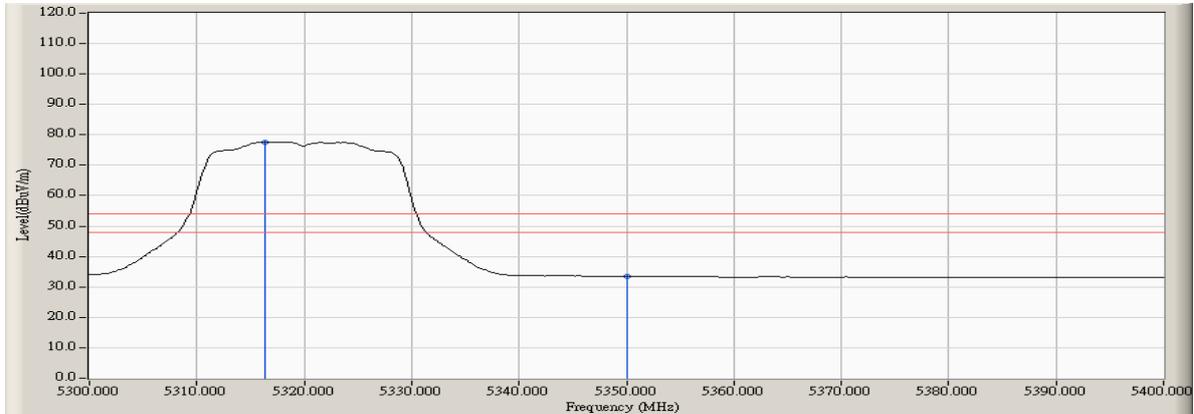

Note:
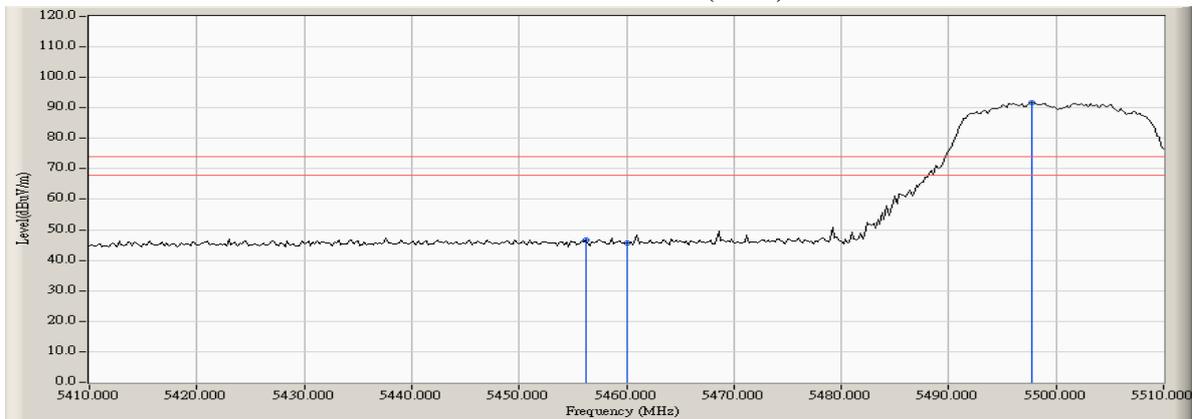1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading 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 Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5467.600	7.300	41.036	48.336	-19.884	68.220	Pass
Horizontal	5470.000	7.284	38.253	45.537	-22.683	68.220	Pass
Horizontal	5497.400	7.229	84.074	91.303	23.083	68.220	Pass
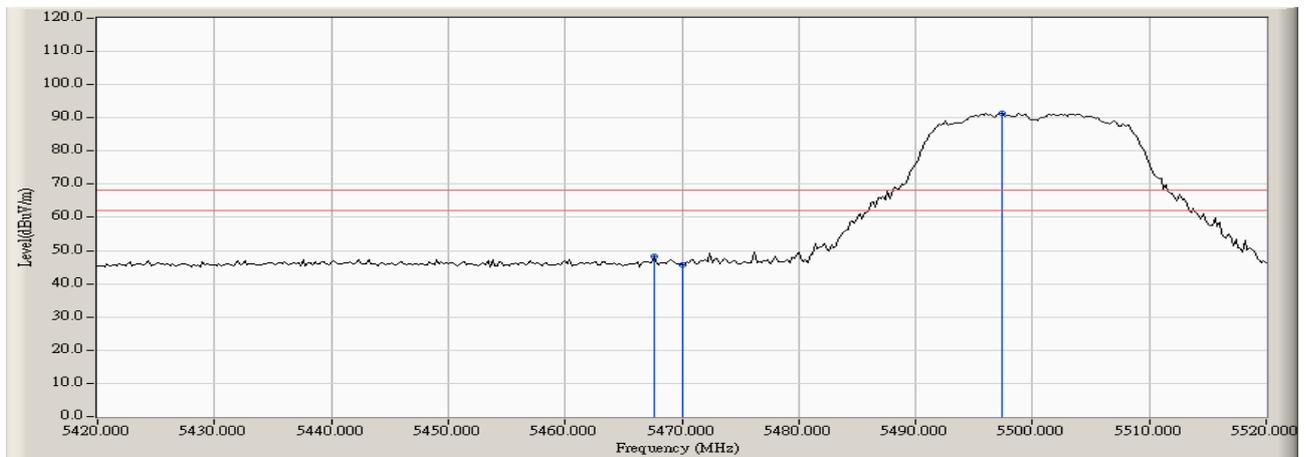
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5469.200	7.290	40.334	47.623	-20.597	68.220	Pass
Vertical	5470.000	7.284	39.048	46.332	-21.888	68.220	Pass
Vertical	5504.600	7.395	86.103	93.498	25.278	68.220	Pass
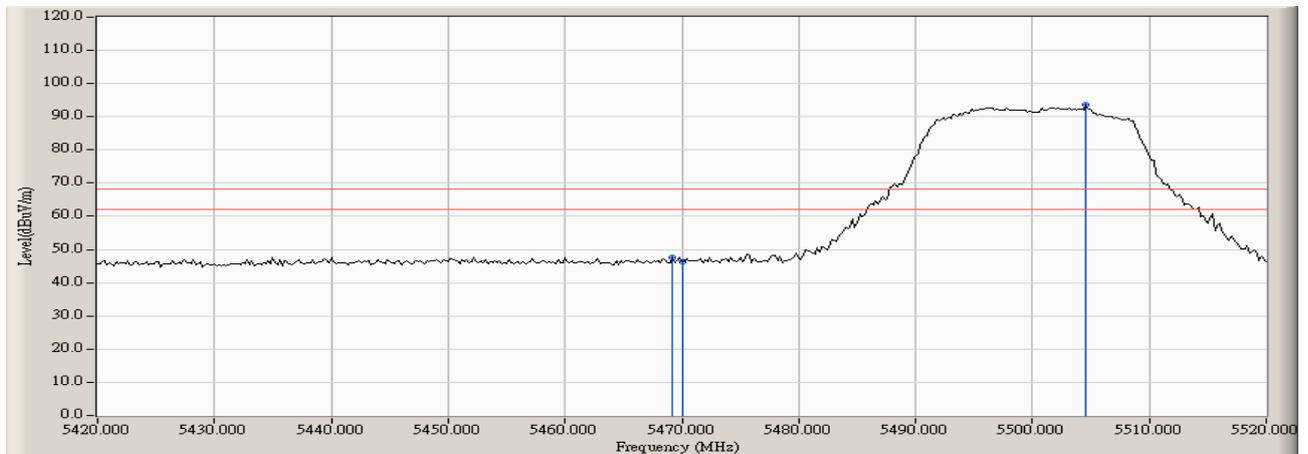
Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 140 (5700MHz)
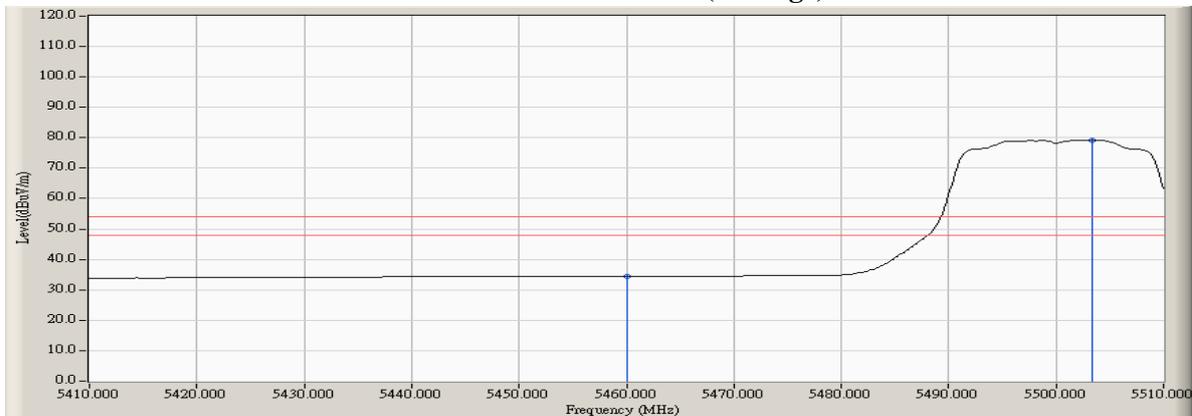
RF Radiated Measurement:

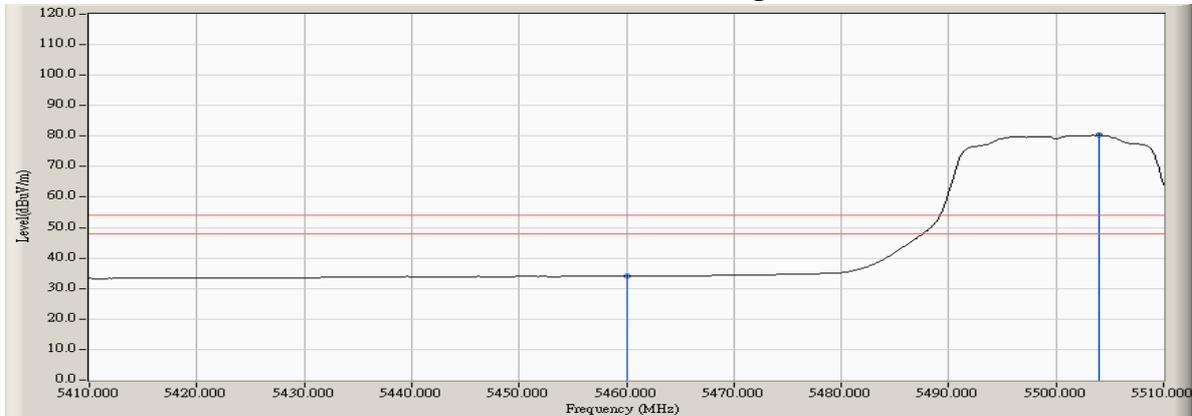|	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5703.400	8.239	83.064	91.303	23.083	68.220	Pass
Horizontal	5725.000	8.030	37.410	45.440	-22.780	68.220	Pass
Horizontal	5760.200	7.898	39.265	47.164	-21.056	68.220	Pass
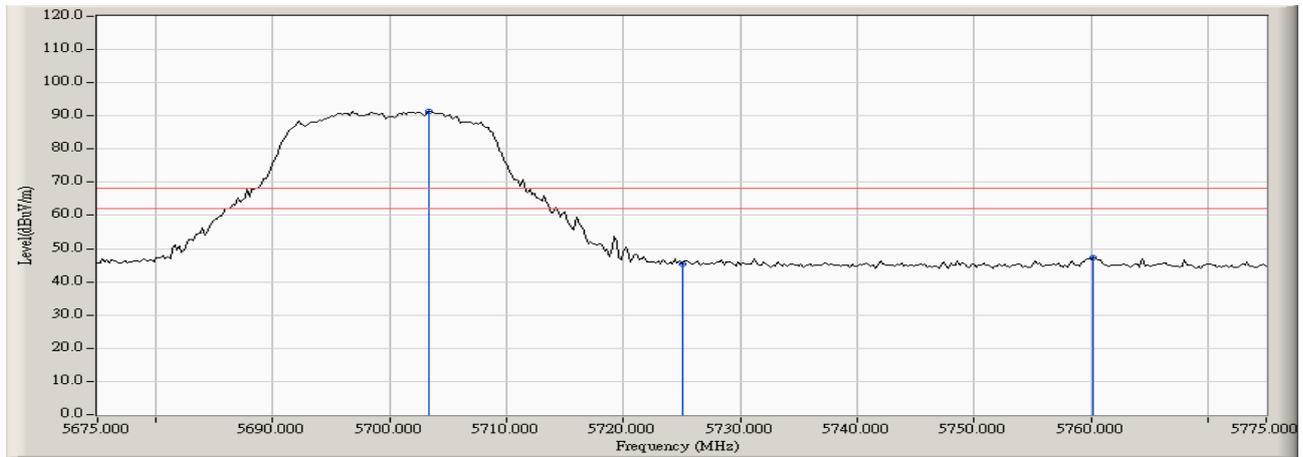
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5703.800	8.246	83.145	91.391	23.171	68.220	Pass
Vertical	5725.000	8.030	37.208	45.238	-22.982	68.220	Pass
Vertical	5759.800	7.899	40.371	48.270	-19.950	68.220	Pass
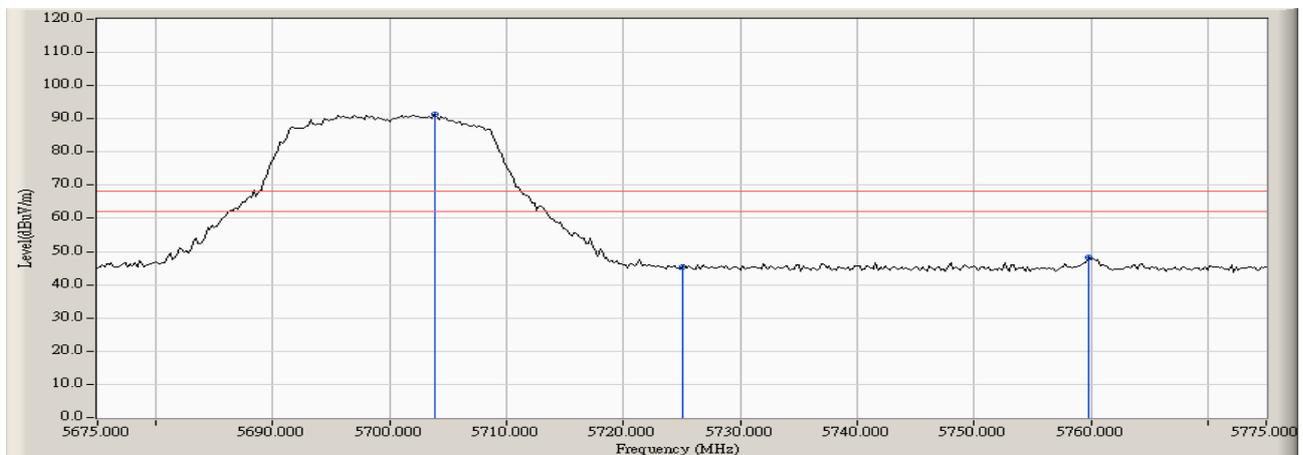
Product	: INTEL DUAL BAND WIRELESS–AC 7265
Test Item	: Band Edge Data
Test Site	: No.3 OATS
Test Mode	: Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 38 (5190MHz)

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
38 (Peak)	5148.200	6.771	42.341	49.113	74.00	54.00	Pass
38 (Peak)	5150.000	6.786	40.496	47.282	74.00	54.00	Pass
38 (Peak)	5179.600	6.893	86.082	92.975	--	--	--
38 (Average)	5150.000	6.786	28.854	35.640	74.00	54.00	Pass
38 (Average)	5178.800	6.890	72.062	78.952	--	--	--

Figure Channel 38:   **Horizontal (Peak)**

Figure Channel 38:   **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 Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 38 (5190MHz)

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
38 (Peak)	5144.800	6.743	40.617	47.360	74.00	54.00	Pass
38 (Peak)	5150.000	6.786	40.165	46.951	74.00	54.00	Pass
38 (Peak)	5199.200	6.923	85.800	92.724	--	--	--
38 (Average)	5150.000	6.786	28.232	35.018	74.00	54.00	Pass
38 (Average)	5187.200	6.921	71.816	78.737	--	--	--

Figure Channel 38:   **Vertical (Peak)**

Figure Channel 38:   **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.
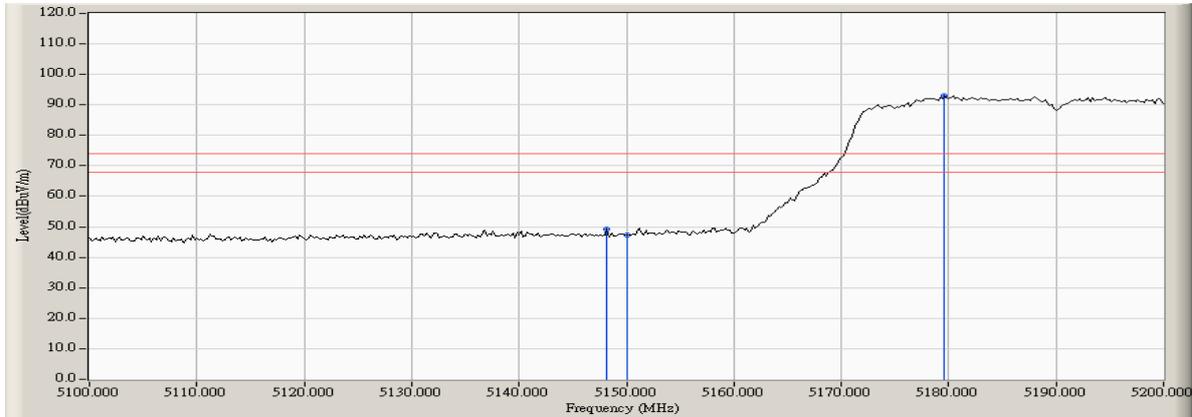
Product   :   INTEL DUAL BAND WIRELESS–AC 7265

Test Item   :   Band Edge Data

Test Site   :   No.3 OATS

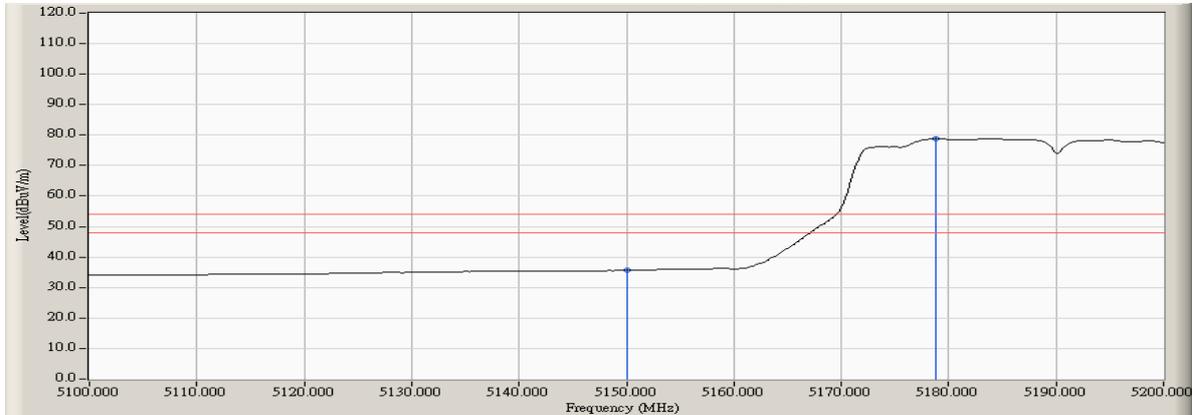Test Mode   :   Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 62 (5310MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Arerage Limit (dBµV/m)	Result
62 (Peak)	5314.000	7.055	84.495	91.549	--	--	--
62 (Peak)	5350.000	7.086	40.119	47.204	74.00	54.00	Pass
62 (Peak)	5368.800	7.238	40.534	47.772	74.00	54.00	Pass
62 (Average)	5316.200	7.039	70.509	77.548	--	--	--
62 (Average)	5350.000	7.086	27.889	34.974	74.00	54.00	Pass

Figure Channel 62:   **Horizontal (Peak)**

Figure Channel 62:   **Horizontal (Average)**
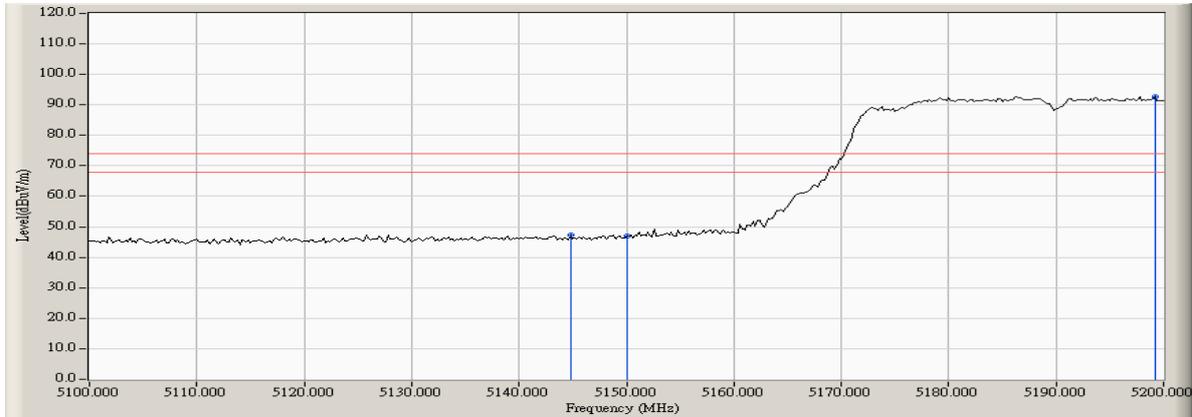

Note:

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 Data

Test Site : No.3 OATS

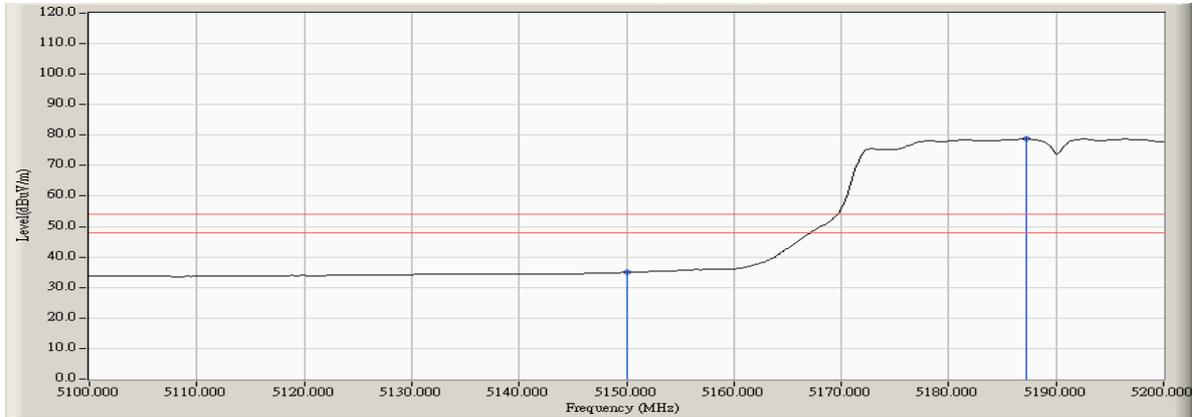Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 62 (5310MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Arerage Limit (dBµV/m)	Result
62 (Peak)	5308.800	7.047	80.794	87.841	--	--	--
62 (Peak)	5350.000	7.086	37.483	44.568	74.00	54.00	Pass
62 (Peak)	5355.800	7.137	39.649	46.786	74.00	54.00	Pass
62 (Average)	5301.400	7.024	66.889	73.913	--	--	--
62 (Average)	5350.000	7.086	26.438	33.523	74.00	54.00	Pass

Figure Channel 62: **Vertical (Peak)**

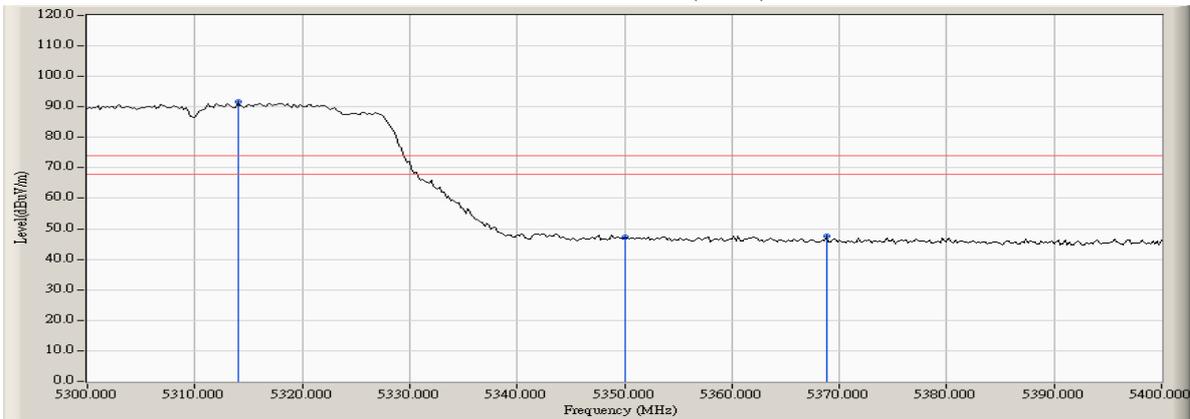**Figure Channel 62:** **Vertical (Average)**

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 Data
Test Site : No.3 OATS
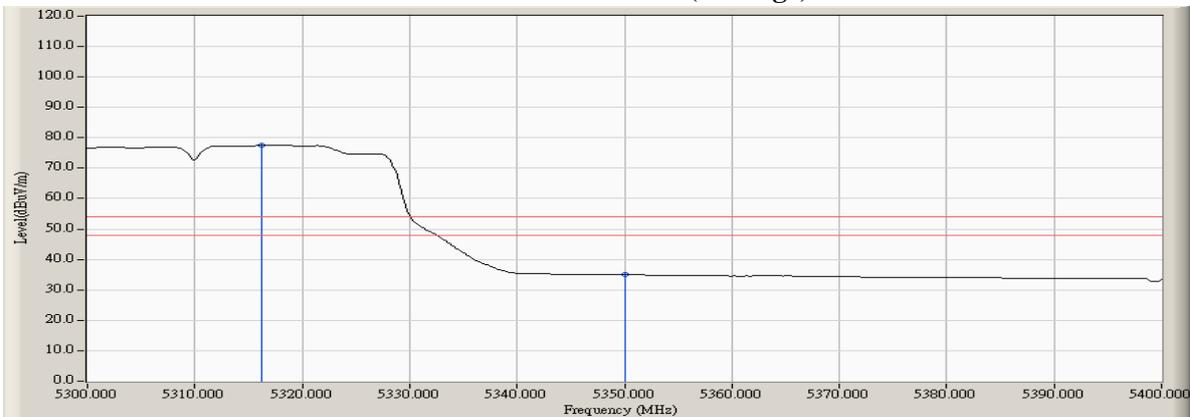Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 102 (5510MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Arerage Limit (dBµV/m)	Result
102 (Peak)	5456.800	7.374	40.368	47.743	74.00	54.00	Pass
102 (Peak)	5460.000	7.353	38.191	45.545	74.00	54.00	Pass
102 (Peak)	5502.000	7.334	81.505	88.840	--	--	--
102 (Average)	5460.000	7.353	27.085	34.439	74.00	54.00	Pass
102 (Average)	5501.400	7.321	67.895	75.216	--	--	--

Figure Channel 102:   **Horizontal (Peak)**

Figure Channel 102:   **Horizontal (Average)**
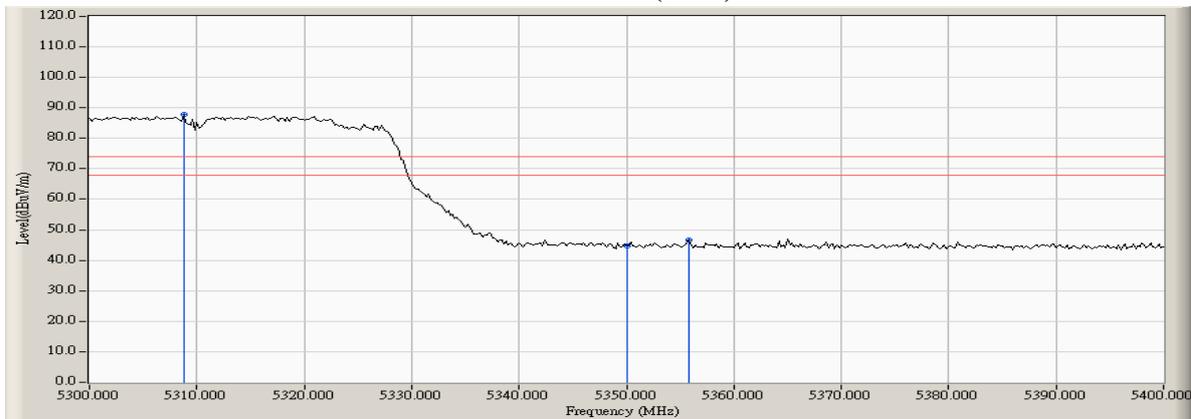

Note:
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading 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 Data
Test Site　　　:　No.3 OATS
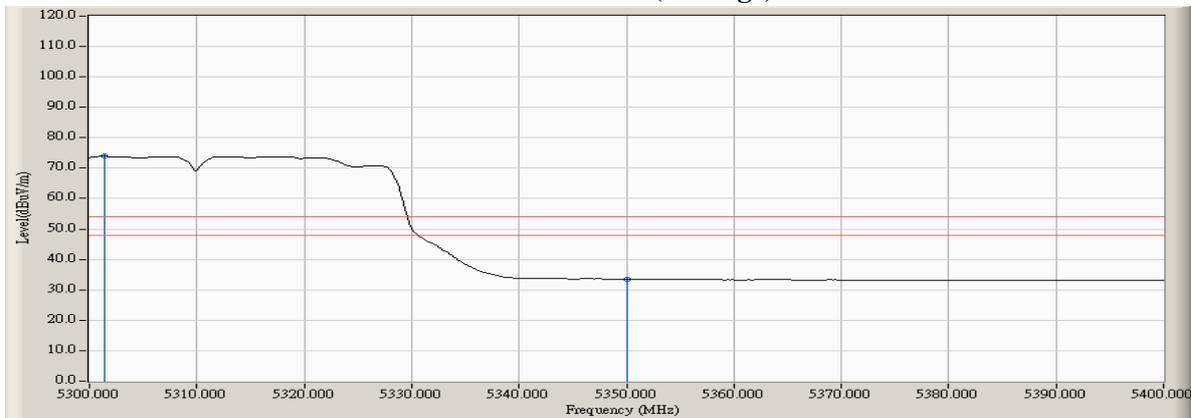Test Mode　　:　Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 102 (5510MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Arerage Limit (dBμV/m)	Result
102 (Peak)	5446.600	7.353	40.340	47.693	74.00	54.00	Pass
102 (Peak)	5460.000	7.353	37.950	45.304	74.00	54.00	Pass
102 (Peak)	5503.200	7.363	82.013	89.376	--	--	--
102 (Average)	5460.000	7.353	26.712	34.066	74.00	54.00	Pass
102 (Average)	5505.400	7.413	68.854	76.267	--	--	--

Figure Channel 102:   **Vertical (Peak)**

Figure Channel 102:   **Vertical (Average)**
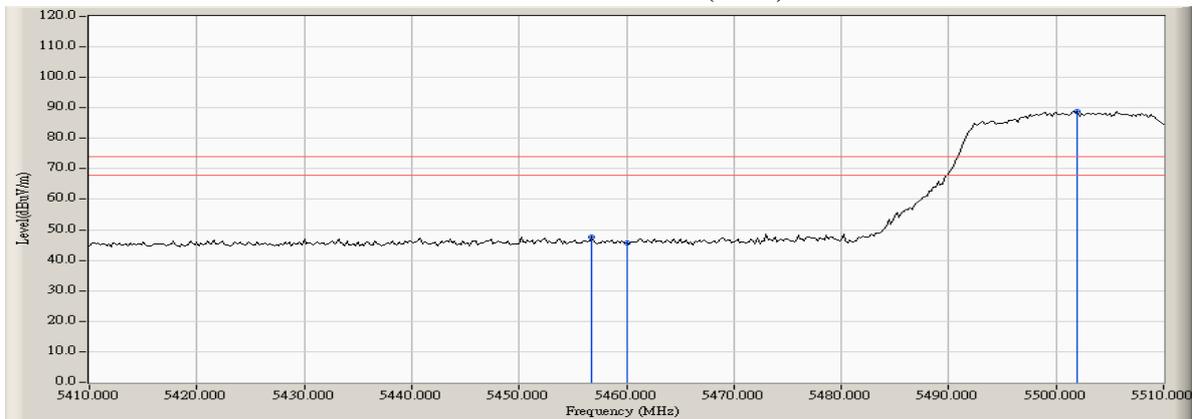

Note:
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading 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 Data
Test Site   :   No.3 OATS
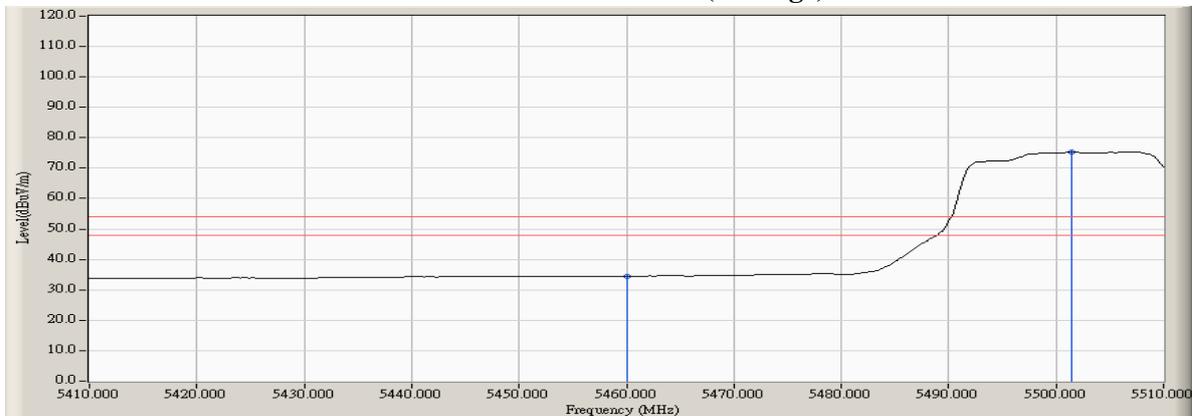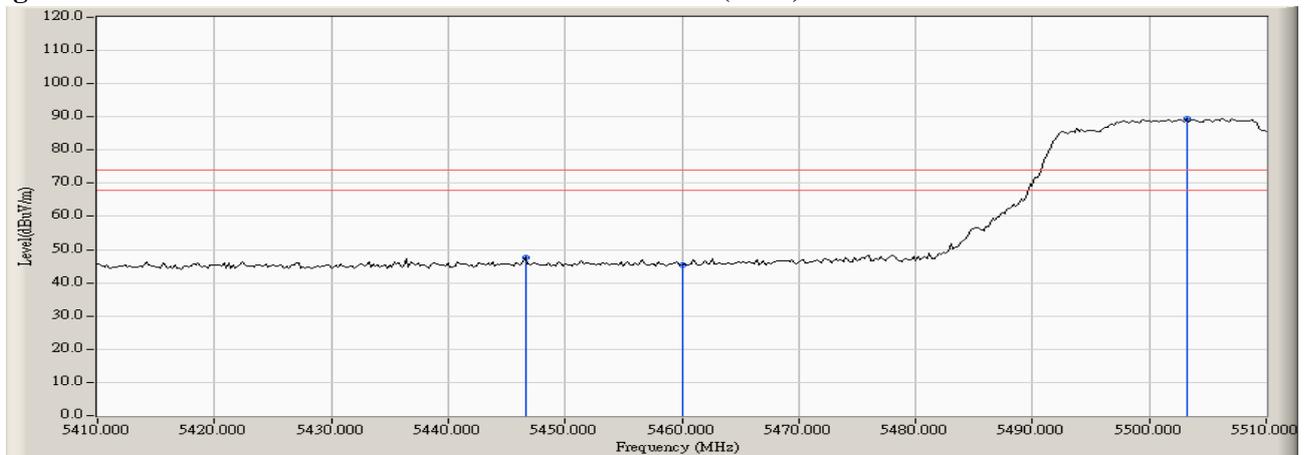Test Mode   :   Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 102 (5510MHz)
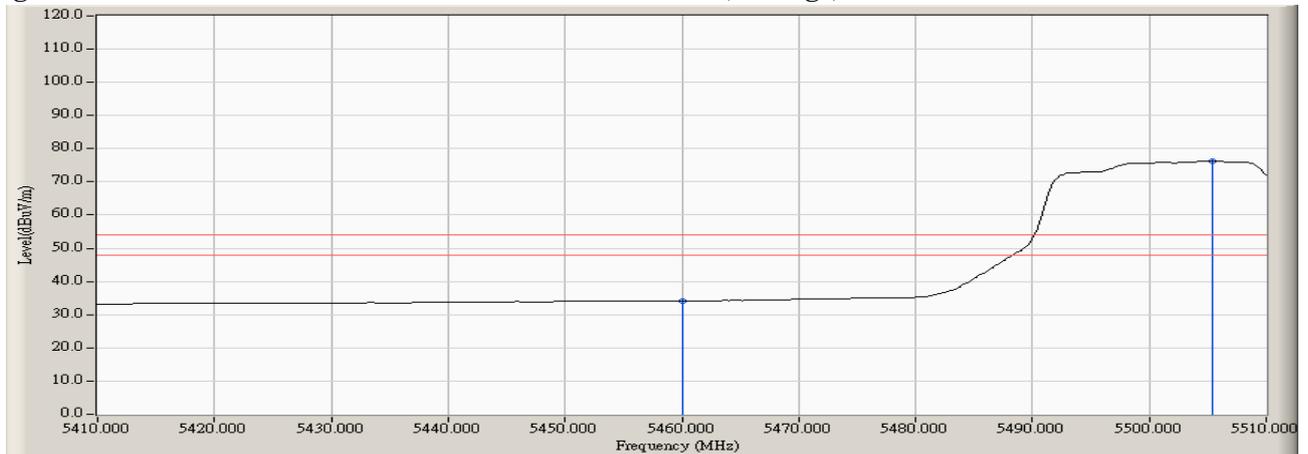
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5466.600	7.307	40.122	47.429	-20.791	68.220	Pass
Horizontal	5470.000	7.284	38.846	46.130	-22.090	68.220	Pass
Horizontal	5500.600	7.303	80.995	88.298	20.078	68.220	Pass
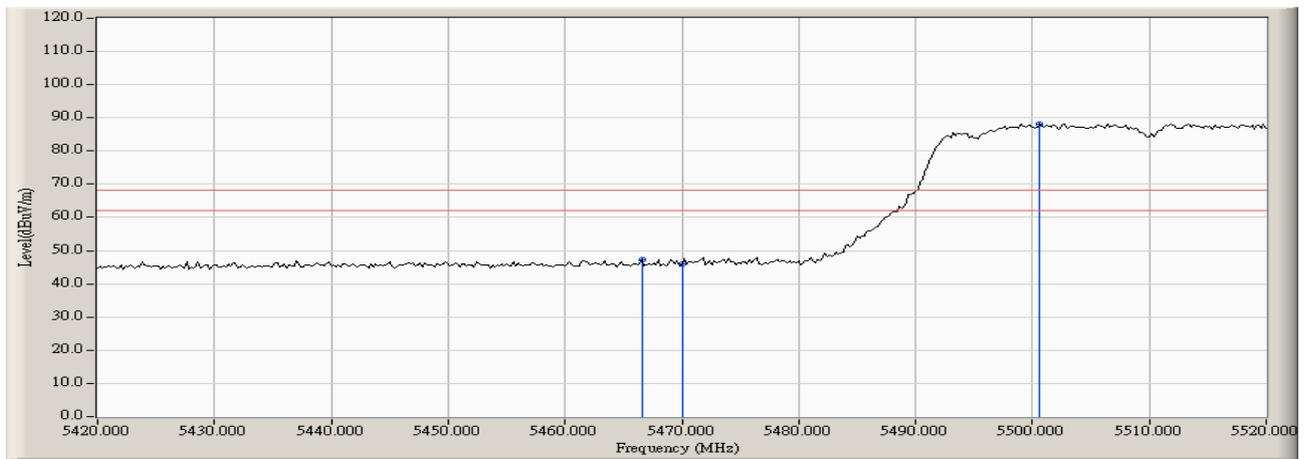
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5467.600	7.300	40.022	47.322	-20.898	68.220	Pass
Vertical	5470.000	7.284	39.896	47.180	-21.040	68.220	Pass
Vertical	5501.400	7.321	83.169	90.490	22.270	68.220	Pass
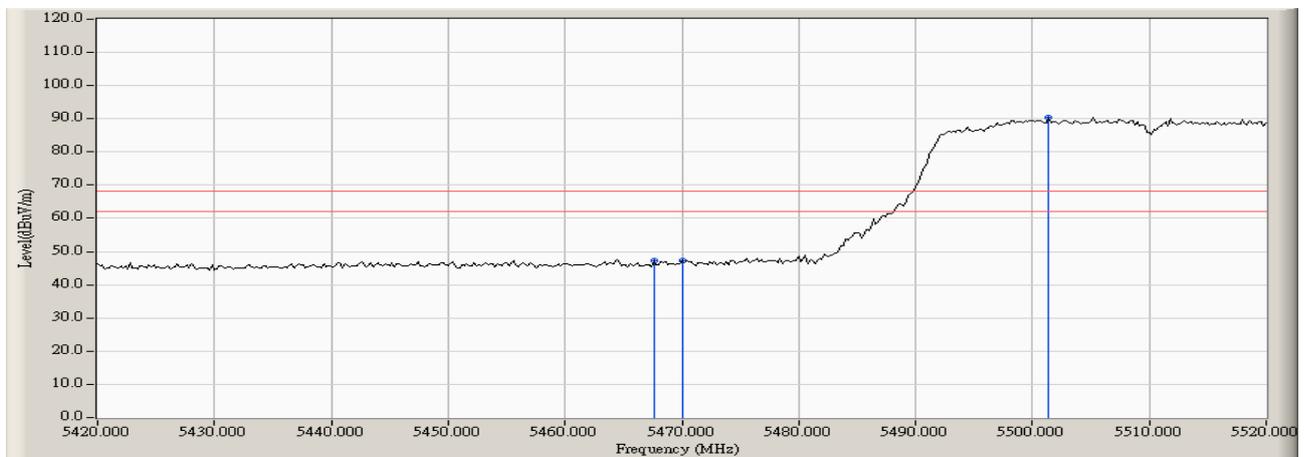
Product	:	INTEL DUAL BAND WIRELESS–AC 7265
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 134 (5670MHz)

RF Radiated Measurement:

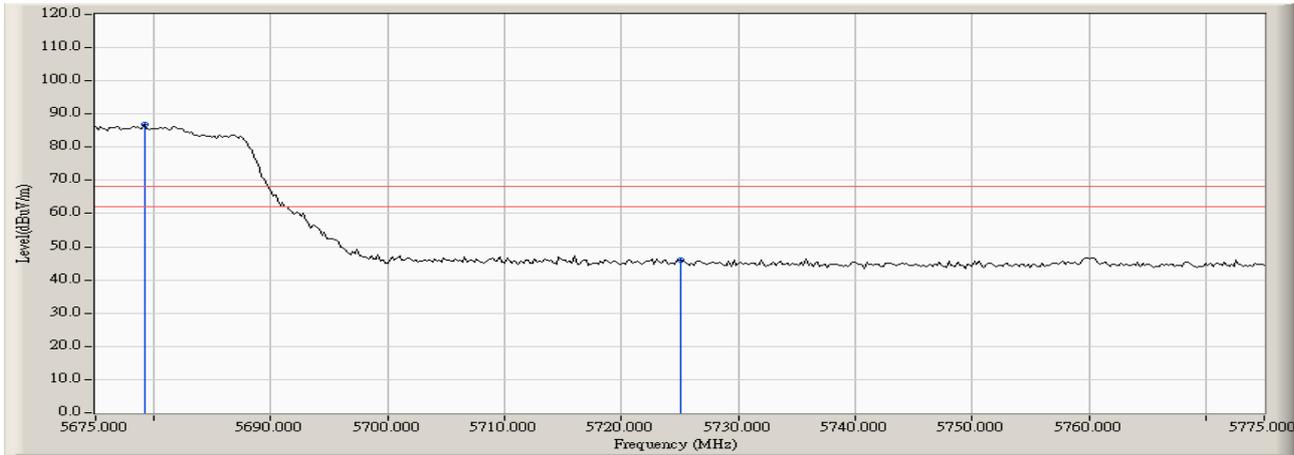|	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5679.200	8.053	78.964	87.016	18.796	68.220	Pass
Horizontal	5725.000	8.030	37.850	45.880	-22.340	68.220	Pass

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5676.600	8.056	79.631	87.687	19.467	68.220	Pass
Vertical	5725.000	8.030	36.472	44.502	-23.718	68.220	Pass
Vertical	5759.800	7.899	39.881	47.780	-20.440	68.220	Pass

Product	:	INTEL DUAL BAND WIRELESS–AC 7265
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 42 (5210MHz)

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
42 (Peak)	5146.200	6.755	43.561	50.316	74.00	54.00	Pass
42 (Peak)	5150.000	6.786	42.529	49.315	74.00	54.00	Pass
42 (Peak)	5195.000	6.924	84.005	90.928	--	--	--
42 (Average)	5150.000	6.786	29.084	35.870	74.00	54.00	Pass
42 (Average)	5187.400	6.922	60.790	67.712	--	--	--

Figure Channel 42:   **Horizontal (Peak)**

Figure Channel 42:   **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.
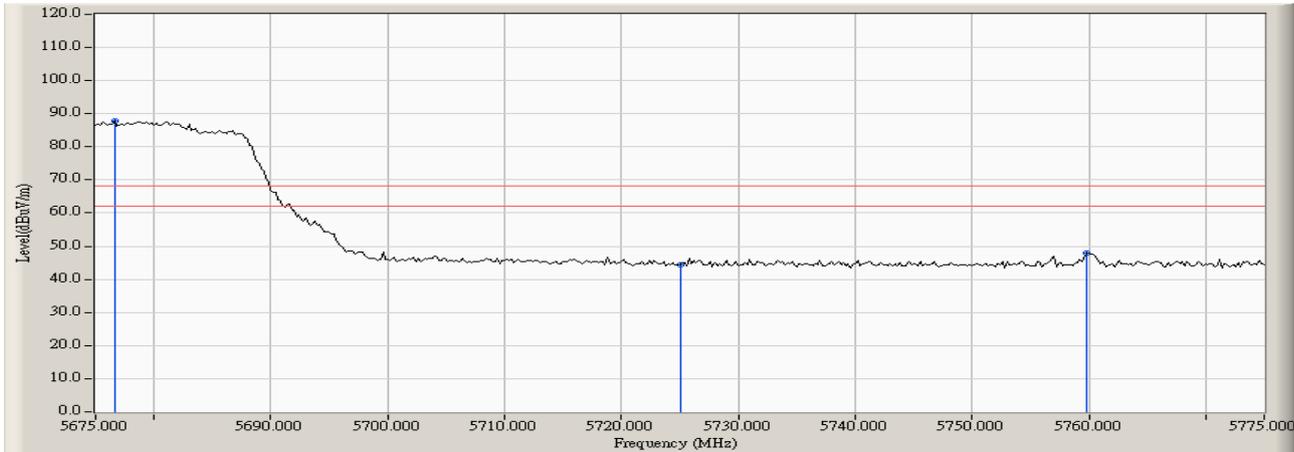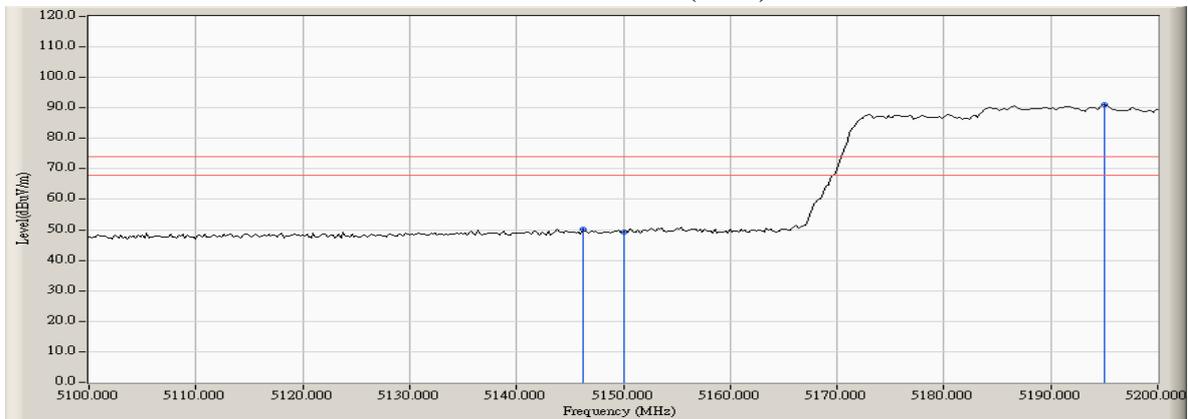
Product : INTEL DUAL BAND WIRELESS–AC 7265

Test Item : Band Edge Data

Test Site : No.3 OATS

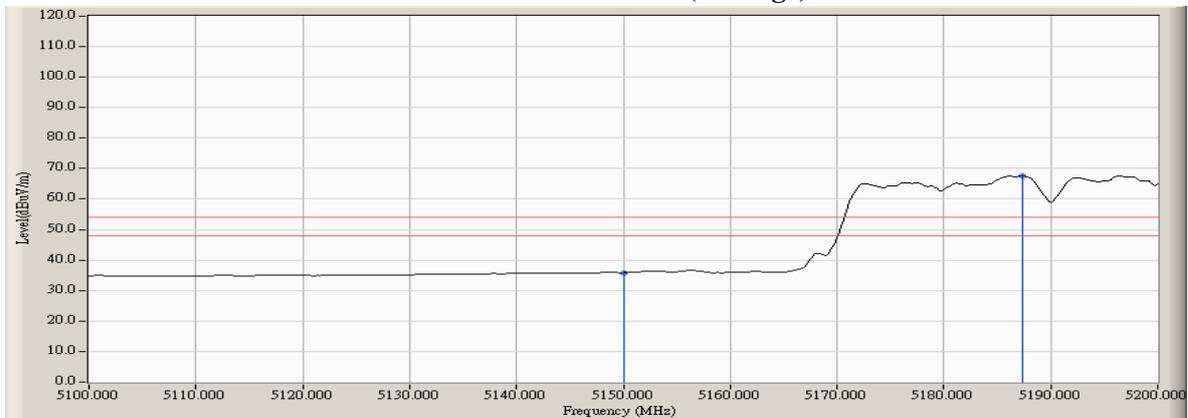Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 42 (5210MHz)

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
42 (Peak)	5142.200	6.720	42.985	49.706	74.00	54.00	Pass
42 (Peak)	5150.000	6.786	41.489	48.275	74.00	54.00	Pass
42 (Peak)	5191.800	6.923	84.734	91.656	--	--	--
42 (Average)	5150.000	6.786	28.255	35.041	74.00	54.00	Pass
42 (Average)	5187.200	6.921	61.129	68.050	--	--	--

Figure Channel 42:   **Vertical (Peak)**

Figure Channel 42:   **Vertical (Average)**
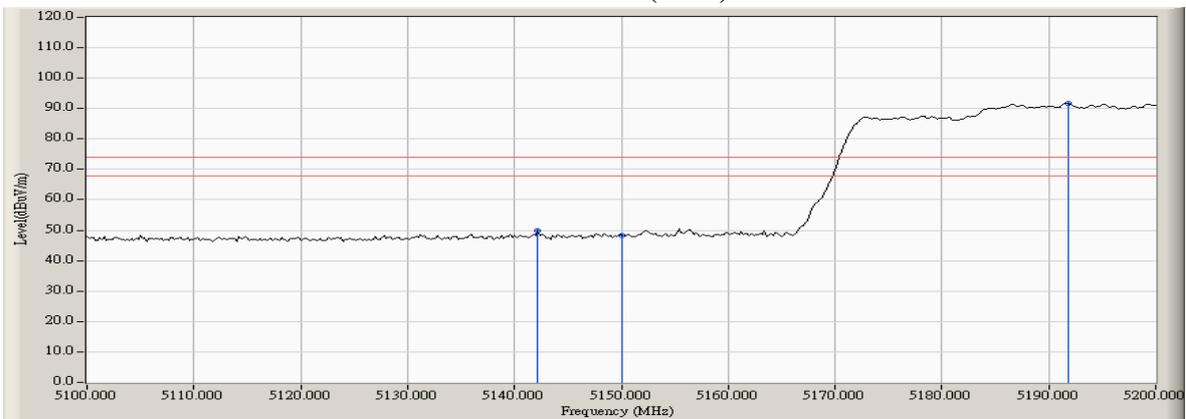

Note:
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading 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 Data
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 58 (5290MHz)

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
58 (Peak)	5314.800	7.048	81.710	88.759	--	--	--
58 (Peak)	5350.000	7.086	39.382	46.467	74.00	54.00	Pass
58 (Peak)	5373.200	7.227	40.306	47.533	74.00	54.00	Pass
58 (Average)	5314.600	7.050	58.468	65.518	--	--	--
58 (Average)	5350.000	7.086	27.531	34.616	74.00	54.00	Pass

Figure Channel 58:   **Horizontal (Peak)**

Figure Channel 58:   **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 Data

Test Site : No.3 OATS

Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 58 (5290MHz)
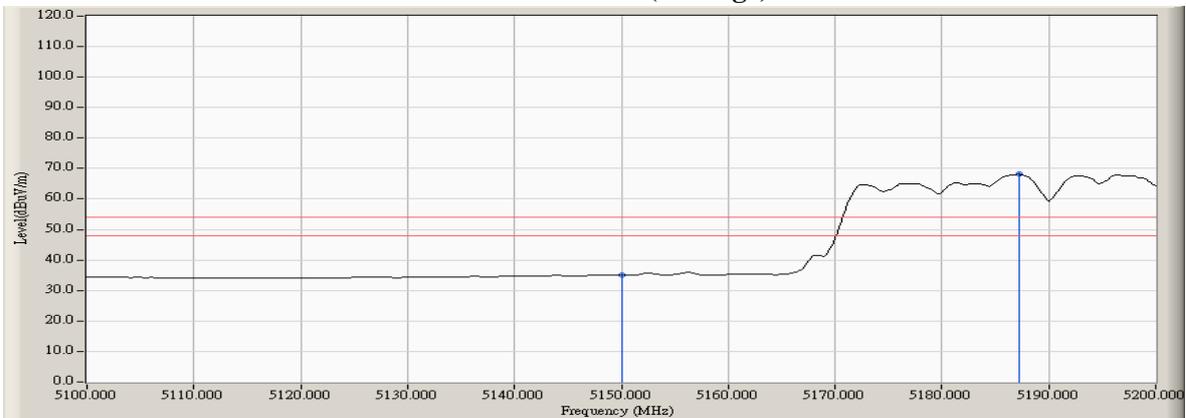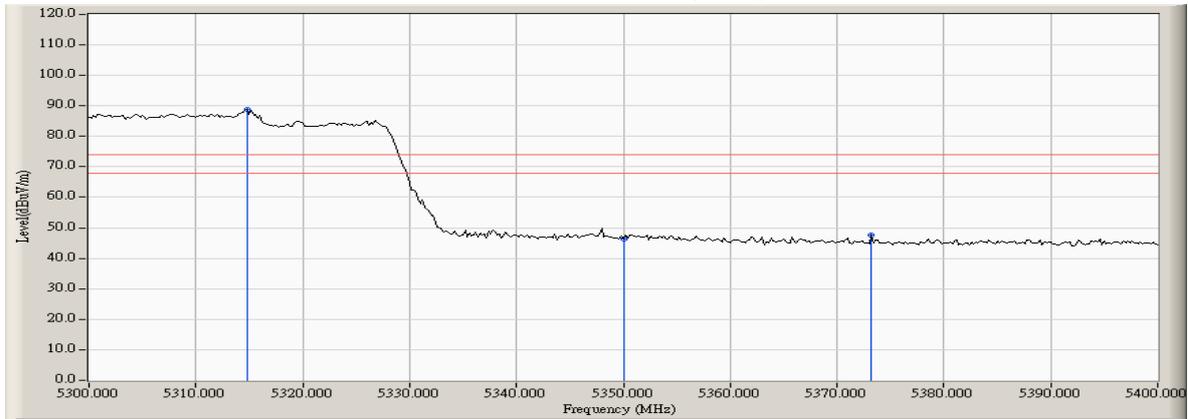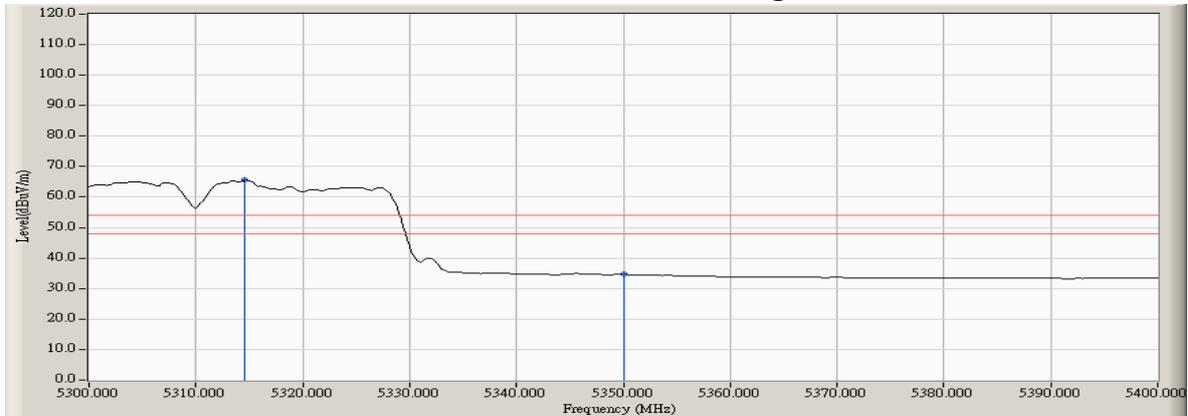
RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5302.200	7.027	80.148	87.175	--	--	--
58 (Peak)	5350.000	7.086	37.892	44.977	74.00	54.00	Pass
58 (Peak)	5351.200	7.096	39.422	46.518	74.00	54.00	Pass
58 (Average)	5301.400	7.024	57.830	64.854	--	--	--
58 (Average)	5350.000	7.086	26.320	33.405	74.00	54.00	Pass

Figure Channel 58:   **Vertical (Peak)**

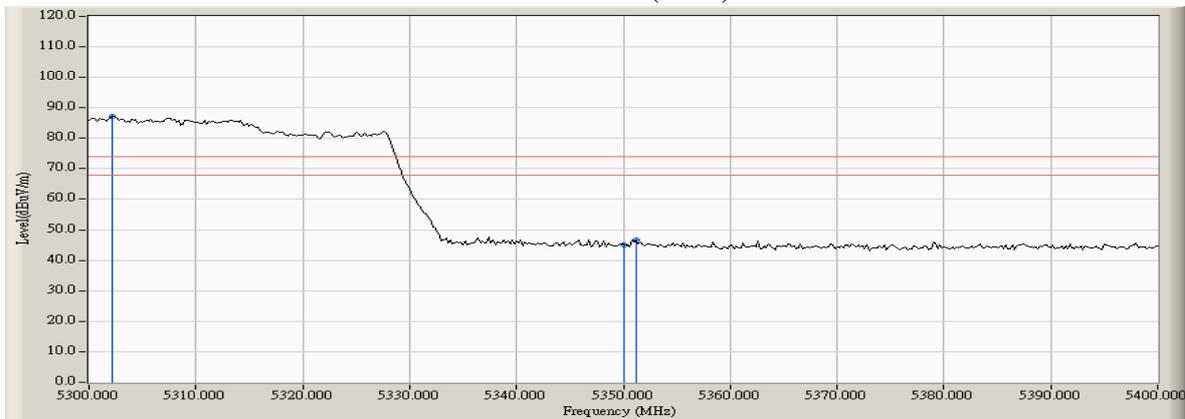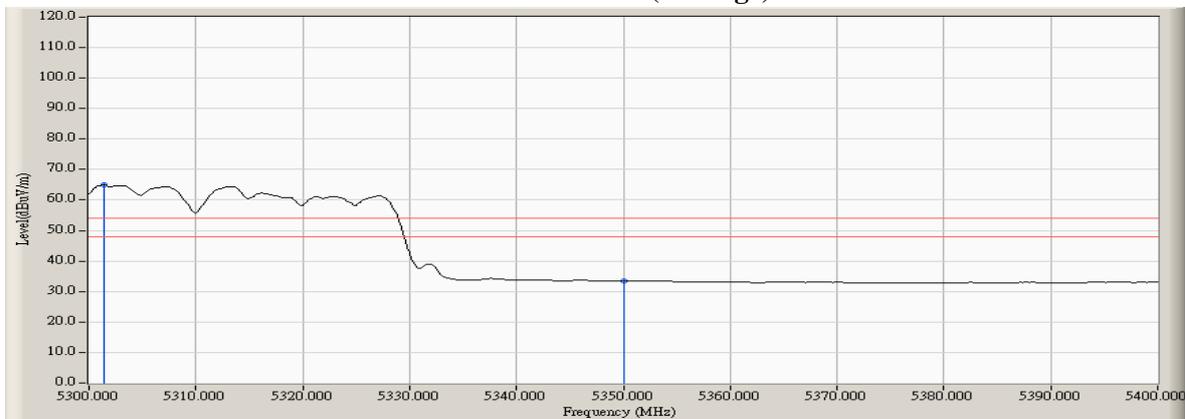**Figure Channel 58:**   **Vertical (Average)**

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 Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 106 (5530MHz)

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
106 (Peak)	5456.000	7.372	40.803	48.176	74.00	54.00	Pass
106 (Peak)	5460.000	7.353	39.165	46.519	74.00	54.00	Pass
106 (Peak)	5510.000	7.519	80.564	88.083	--	--	--
106 (Average)	5460.000	7.353	27.223	34.577	74.00	54.00	Pass
106 (Average)	5507.400	7.459	58.590	66.049	--	--	--

Figure Channel 106:   **Horizontal (Peak)**

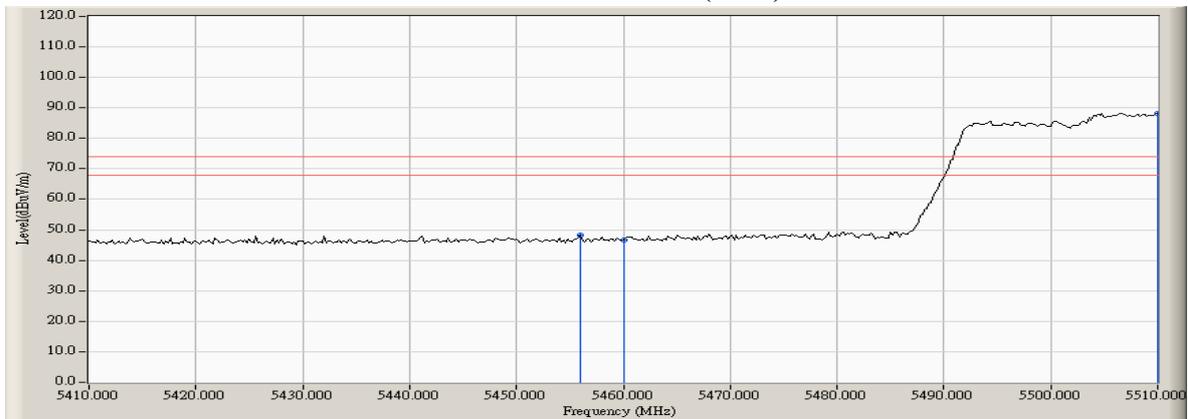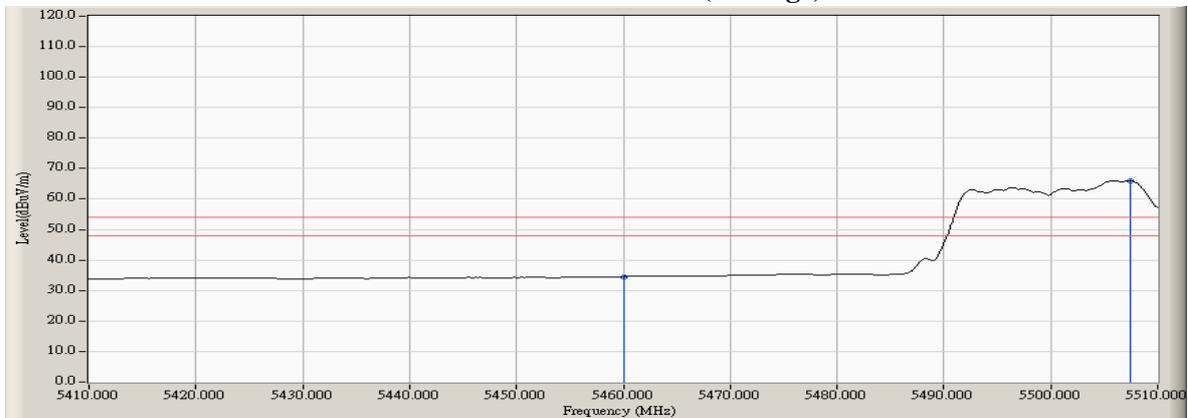**Figure Channel 106:**   **Horizontal (Average)**

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 Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 106 (5530MHz)

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
106 (Peak)	5451.200	7.362	40.325	47.687	74.00	54.00	Pass
106 (Peak)	5460.000	7.353	38.840	46.194	74.00	54.00	Pass
106 (Peak)	5506.400	7.436	81.162	88.598	--	--	--
106 (Average)	5460.000	7.353	26.806	34.160	74.00	54.00	Pass
106 (Average)	5507.400	7.459	58.214	65.673	--	--	--

Figure Channel 106:   **Vertical (Peak)**

Figure Channel 106:   **Vertical (Average)**
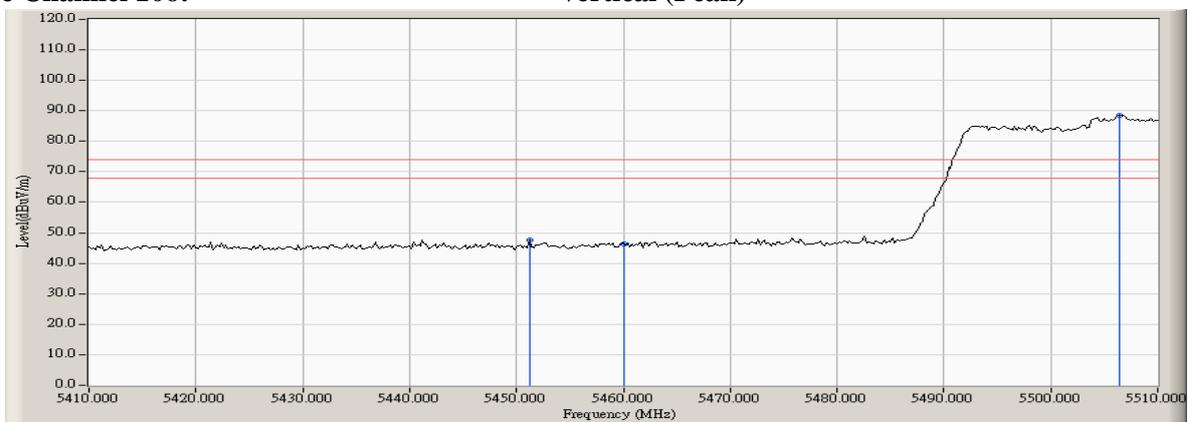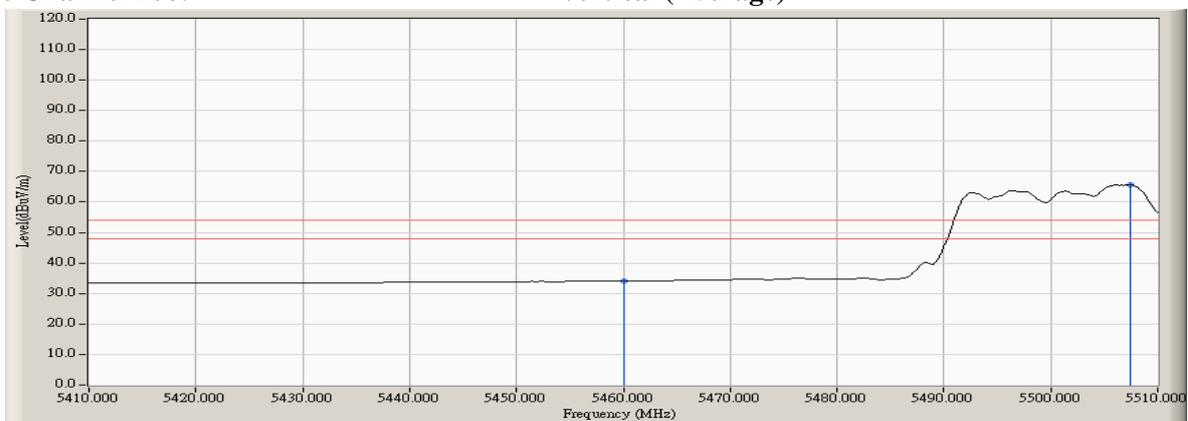

Note:
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading 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 Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 106 (5530MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5464.400	7.323	40.828	48.151	-20.069	68.220	Pass
Horizontal	5470.000	7.284	39.813	47.097	-21.123	68.220	Pass
Horizontal	5515.000	7.583	80.343	87.926	19.706	68.220	Pass
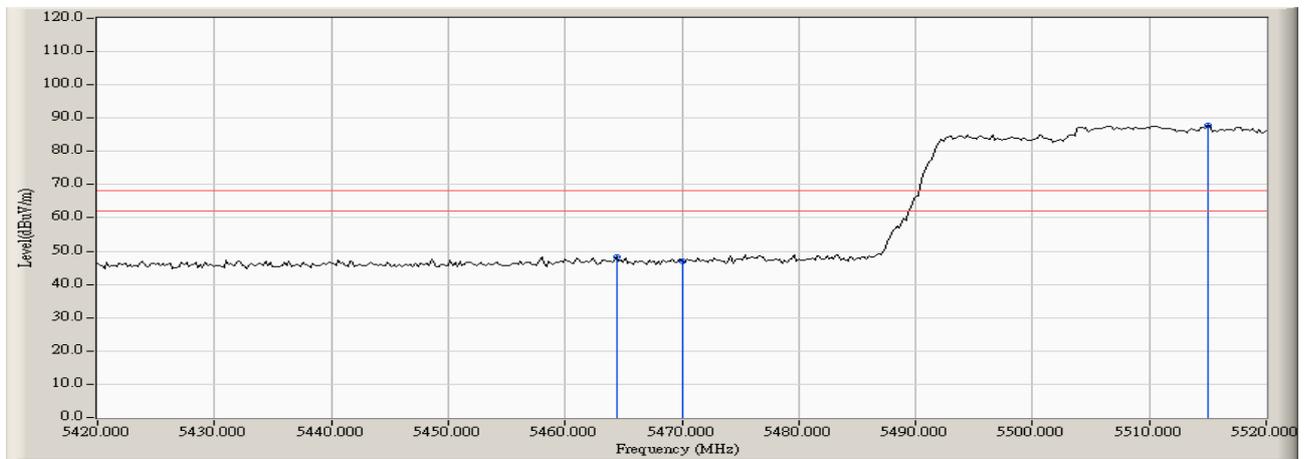
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5468.400	7.295	41.122	48.417	-19.803	68.220	Pass
Vertical	5470.000	7.284	39.145	46.429	-21.791	68.220	Pass
Vertical	5505.400	7.413	79.893	87.306	19.086	68.220	Pass
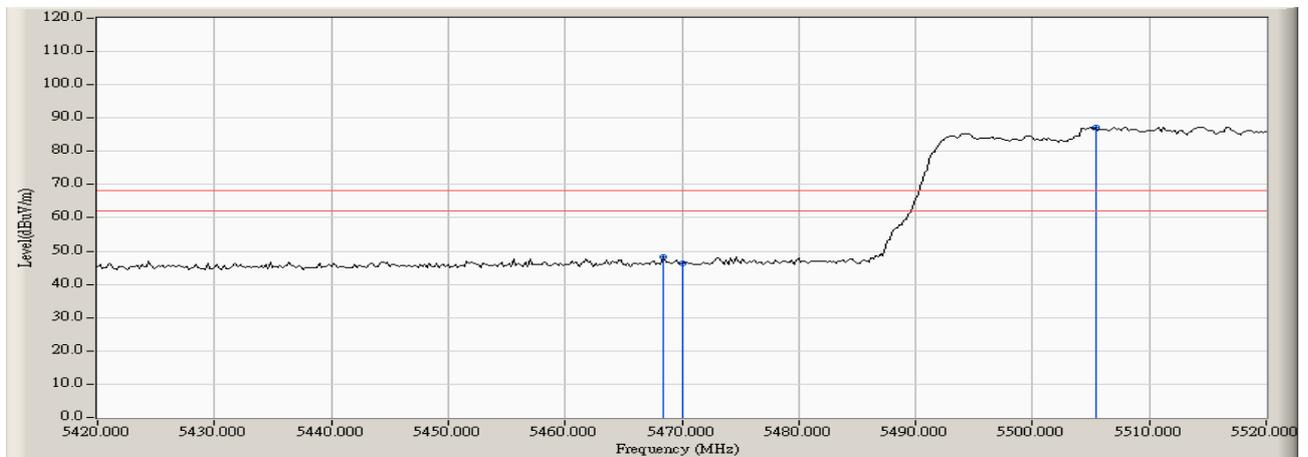
5. EMI Reduction Method During Compliance Testing

No modification was made during testing.

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs