

# FCC Test Report (Class II Permissive Change)

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

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

Date of Receipt	Sep. 26, 2015
Issue Date	Dec. 29, 2015
Report No.	15A0002R-RFUSP02V00
Report Version	V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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# Test Report

Issue Date: Dec. 29, 2015

Report No.: 15A0002R-RFUSP02V00



Product Name	INTEL DUAL BAND WIRELESS-AC 7265
Applicant	ASUSTeK COMPUTER INC.
Address	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	Intel Mobile Communications
Model No.	7265NGW
EUT Rated Voltage	DC 3.3V (via Mini-PCI Express slot)
EUT Test Voltage	AC 120V/60Hz
Trade Name	Intel
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2013 ANSI C63.4: 2014, ANSI C63.10: 2013 KDB 558074 D01 DTS Meas Guidance v03r03
Test Result	Complied

Documented By :

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(Senior Adm. Specialist / Leven Huang )

Tested By :

*Nova chu*

( Engineer /Nova Chu)

Approved By :

*Vincent Lin*

( 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
Model No.	7265NGW
FCC ID.	MSQ7265NG
Frequency Range	802.11a/n-20MHz:5745-5825MHz, 802.11n-40MHz:5755-5795MHz 802.11ac-80MHz: 5775MHz
Number of Channels	802.11a/n-20MHz: 5, n-40MHz: 2 802.11ac-80MHz: 1
Data Speed	802.11a: 6-54Mbps,802.11n: up to 300Mbps,802.11ac-80MHz: up to 866.7MHz
Channel separation	802.11a/n-20MHz: 20MHz,802.11n-40MHz: 40MHz,802.11ac-80MHz: 80MHz
Type of Modulation	802.11a/n/ac: OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM
Antenna Type	PIFA Antenna
Antenna Gain	Refer to the table "Antenna List"
Channel Control	Auto
Power Adapter	MFR: ASUS (PI), M/N: AD883J20 Input: AC 100-240V, 50/60Hz, 1.0A Output: DC 19V, 2.37A Cable out: Non-Shielded, 2.25m.
Test Platform.	Brand Name: ASUS, M/N: TP501U, J501U, R518U

#### Antenna List

No.	Manufacturer	Part No.	Antenna type	Peak Gain
1	INPAQ	WA-P-LB-02-300 (Main)	PIFA Antenna	1.55dBi for 5.725~5.850GHz
		WA-P-LB-01-141 (Aux)		
2	Luxshare	LA05RF873-2H (Main)	PIFA Antenna	1.21dBi for 5.725~5.850GHz
		LA05RF873-1H (Aux)		

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

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

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

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

Channel	Frequency
Channel 155:	5775 MHz

Note:

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

The major change filed under this application is:

Change #1: Additional Chassis added, ASUSTeK, model number : TP501U, J501U, R518U notebook/tablet.

All models are listed as below

Brand	Model	Difference
ASUS	TP501U (Main test model)	All models are electrically identical, different model names are for marketing purpose.
	J501U	
	R518U	

#2: Reduce the Output Power through firmware (only reduce 5G Wi-Fi Power, Bluetooth power haven't changes).

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

Test Mode:	Mode 1 SISO A: Transmit - 802.11a 6Mbps
	Mode 1 SISO A: Transmit - 802.11n-20BW_7.2Mbps(5G Band)
	Mode 1 SISO A: Transmit - 802.11n-40BW_15Mbps(5G Band)
	Mode 1 SISO A: Transmit - 802.11ac-80BW_32.5Mbps(5G Band)
	Mode 2 SISO B: Transmit - 802.11a 6Mbps
	Mode 2 SISO B: Transmit - 802.11n-20BW_7.2Mbps(5G Band)
	Mode 2 SISO B: Transmit - 802.11n-40BW_15Mbps(5G Band)
	Mode 2 SISO B: Transmit - 802.11ac-80BW_32.5Mbps(5G Band)
	Mode 3 MIMO: Transmit - 802.11n-20BW_14.4Mbps(5G Band)
	Mode 3 MIMO: Transmit - 802.11n-40BW_30Mbps(5G Band)
	Mode 3 MIMO: Transmit - 802.11ac-80BW_65Mbps(5G Band)

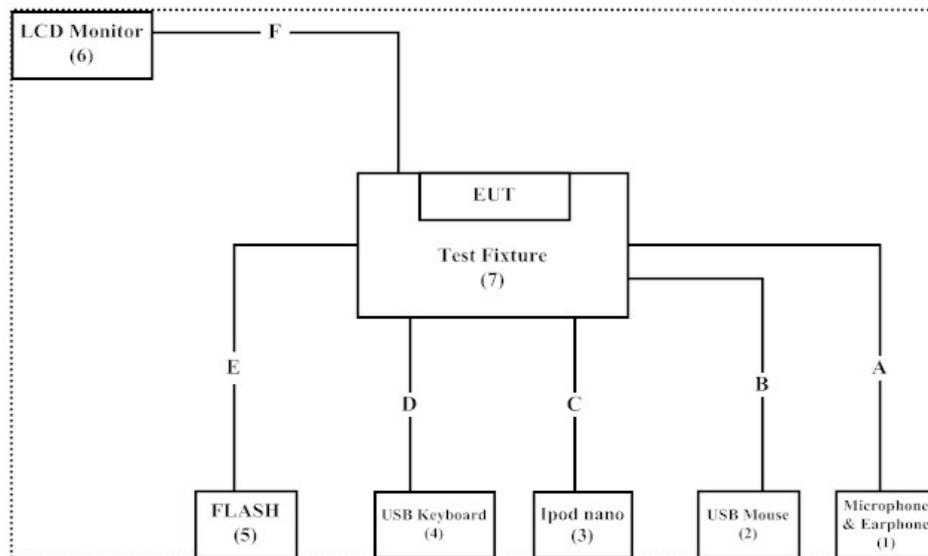
### 1.3. Tested System Details

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

Product	Manufacturer	Model No.	Serial No.	Power Cord
1 Microphone & Earphone	PCHOME	N/A	N/A	N/A
2 USB Mouse	Logitech	M-BE58	HCA30103100	N/A
3 Ipod nano	Apple	A1199	YM706LSCVQ5	N/A
4 USB Keyboard	DELL	SK-8115	MY-0DJ325-71619-6 A3-1912	N/A
5 FLASH	Transcend	JetFlash110	155422-2931	N/A
6 LCD Monitor	ASUS	VS229HA	F4LMQS135395	Non-Shielded, 1.8m
7 Test Fixture	ASUS	N/A	N/A	N/A

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

### 1.4. Configuration of Tested System



### 1.5. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.4
- (2) Execute “DRTU V1.7.7 -01483” program on the EUT.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Start the continuous transmission.
- (5) Verify that the EUT works properly.

**1.6. Test Facility**

Ambient conditions in the laboratory:

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

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site : <http://www.quietek.com/chinese/about/certificates.aspx?bval=5>  
 The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

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

Site Name: Quietek Corporation  
 Site Address: No.5-22, Ruishukeng,  
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 Taiwan, R.O.C.  
 TEL: 886-2-8601-3788 / FAX : 886-2-8601-3789  
 E-Mail : [service@quietek.com](mailto:service@quietek.com)

FCC Accreditation Number: TW1014

## 2. Peak Power Output

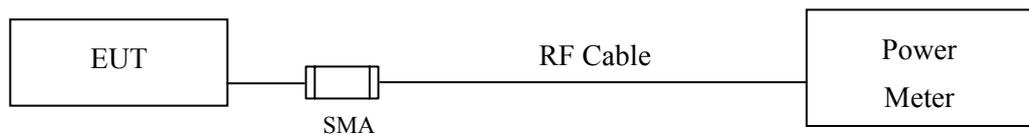
### 2.1. Test Equipment

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

Note:

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

### 2.2. Test Setup



### 2.3. Limits

The maximum peak power shall be less 1 Watt.

### 2.4. Test Procedure

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

### 2.5. Uncertainty

± 1.27 dB

**2.6. Test Result of Peak Power Output**

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

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Average Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
149	5745	12.47	--	--	--	--	--	--	--	12.47	<30dBm	Pass
157	5785	12.56	12.49	12.41	12.33	12.24	12.16	12.09	12.01	12.56	<30dBm	Pass
165	5825	12.76	--	--	--	--	--	--	--	12.76	<30dBm	Pass

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
Test Item : Peak Power Output Data  
Test Site : No.3 OATS  
Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(5G Band)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Average Power	Required Limit	Result
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0			
		Measurement Level (dBm)											
149	5745	12.23	--	--	--	--	--	--	--	12.23	<30dBm	Pass	
157	5785	12.74	12.68	12.61	12.53	12.45	12.37	12.29	12.20	12.74	<30dBm	Pass	
165	5825	12.99	--	--	--	--	--	--	--	12.99	<30dBm	Pass	

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
Test Item : Peak Power Output Data  
Test Site : No.3 OATS  
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(5G Band)

Channel No	Frequency (MHz)	Average Power									Average Power	Required Limit	Result
		For different Data Rate (Mbps)											
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0			
Measurement Level (dBm)													
151	5755	11.78	11.71	11.63	11.55	11.49	11.42	11.35	11.29	11.78	<30dBm	Pass	
159	5795	12.17	--	--	--	--	--	--	--	12.17	<30dBm	Pass	

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

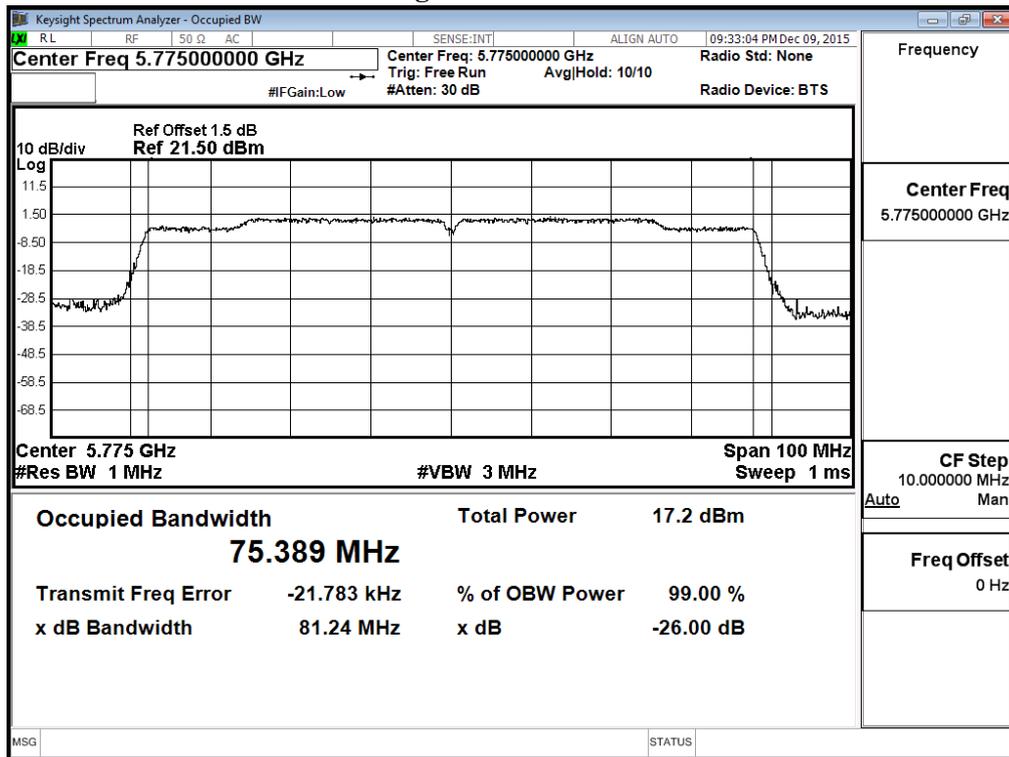
Product : INTEL DUAL BAND WIRELESS-AC 7265  
Test Item : Peak Power Output Data  
Test Site : No.3 OATS  
Test Mode : Mode 1 SISO A: Transmit - 802.11ac-80BW\_32.5Mbps(5G Band)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)										AVG Power	Required Limit	Result
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9			
151	5775	11.93	11.86	11.79	11.72	11.64	11.57	11.49	11.41	11.32	11.25	11.93	<30dBm	Pass

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

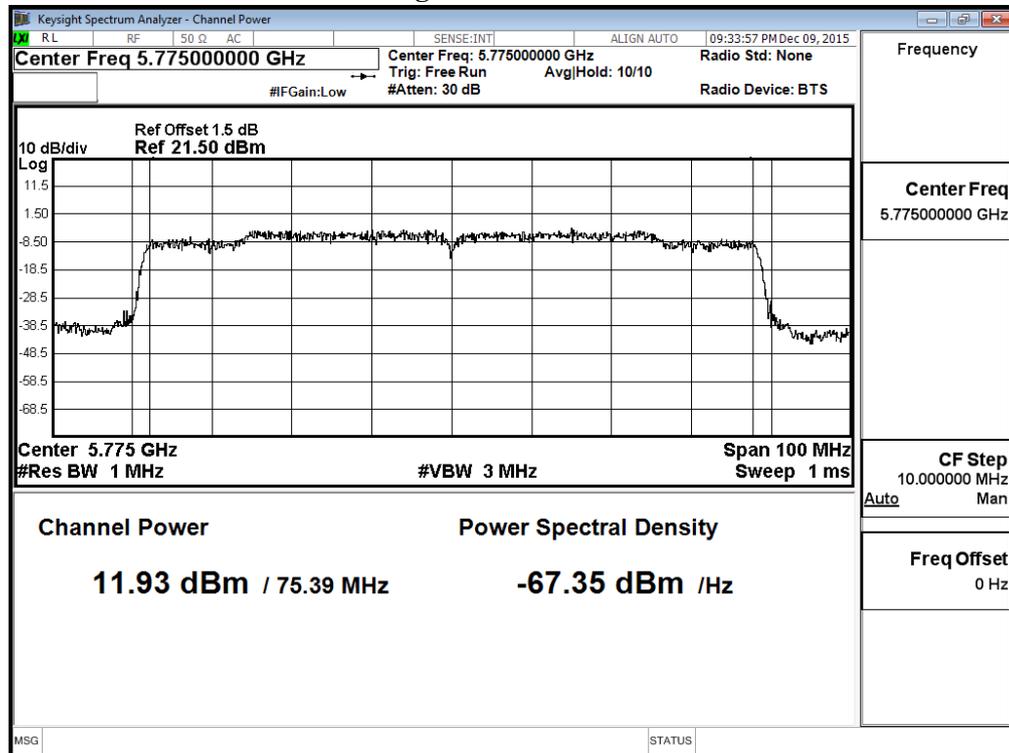
**26dBc Occupied Bandwidth:**

**Figure Channel 155**



**Average conducted output power:**

**Figure Channel 155**



Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2 SISO B: Transmit - 802.11a 6Mbps

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Average Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
149	5745	9.5	--	--	--	--	--	--	--	9.5	<30dBm	Pass
157	5785	11.12	11.05	10.97	10.89	10.81	10.73	10.65	10.58	11.12	<30dBm	Pass
165	5825	11.34	--	--	--	--	--	--	--	11.34	<30dBm	Pass

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(5G Band)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Average Power	Required Limit	Result
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0		
		Measurement Level (dBm)										
149	5745	9.21	--	--	--	--	--	--	--	9.21	<30dBm	Pass
157	5785	11.15	10.91	10.83	10.75	10.68	10.61	10.55	10.49	11.15	<30dBm	Pass
165	5825	11.22	--	--	--	--	--	--	--	11.22	<30dBm	Pass

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
Test Item : Peak Power Output Data  
Test Site : No.3 OATS  
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(5G Band)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Average Power	Required Limit	Result
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0		
		Measurement Level (dBm)										
151	5755	9	8.93	8.87	8.79	8.72	8.64	8.57	8.49	9	<30dBm	Pass
159	5795	9.42	--	--	--	--	--	--	--	9.42	<30dBm	Pass

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

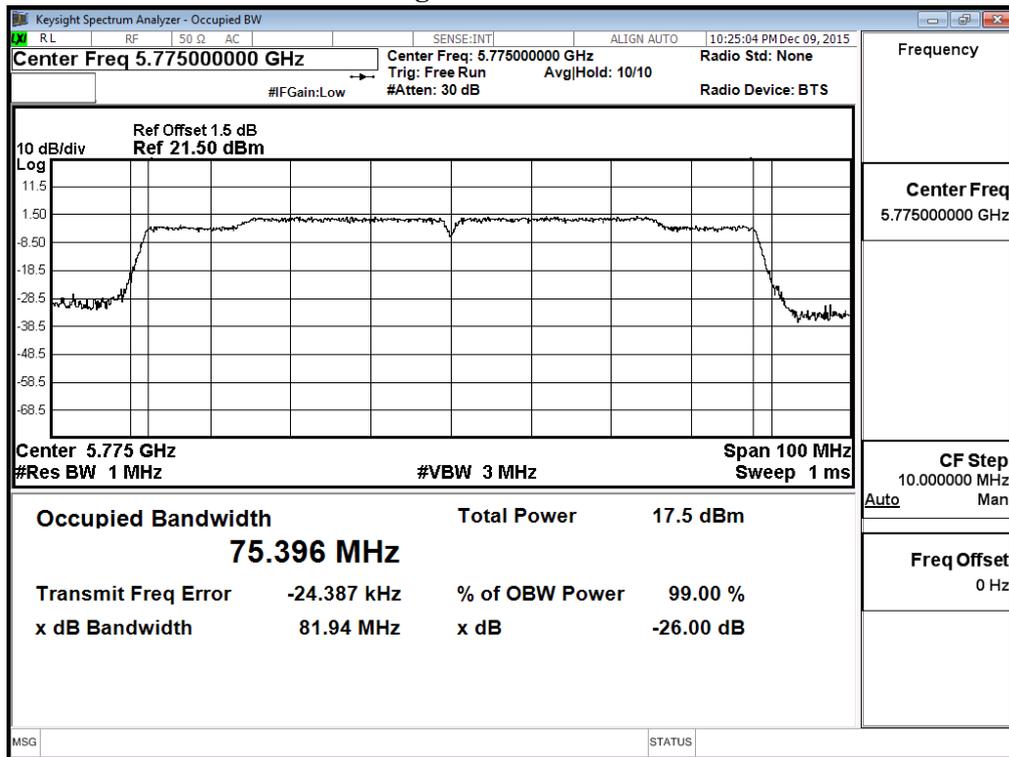
Product : INTEL DUAL BAND WIRELESS-AC 7265  
Test Item : Peak Power Output Data  
Test Site : No.3 OATS  
Test Mode : Mode 2 SISO B: Transmit - 802.11ac-80BW\_32.5Mbps(5G Band)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)										AVG Power	Required Limit	Result
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9			
151	5775	8.58	8.51	8.44	8.37	8.29	8.21	8.14	8.06	7.99	7.92	8.58	<30dBm	Pass

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

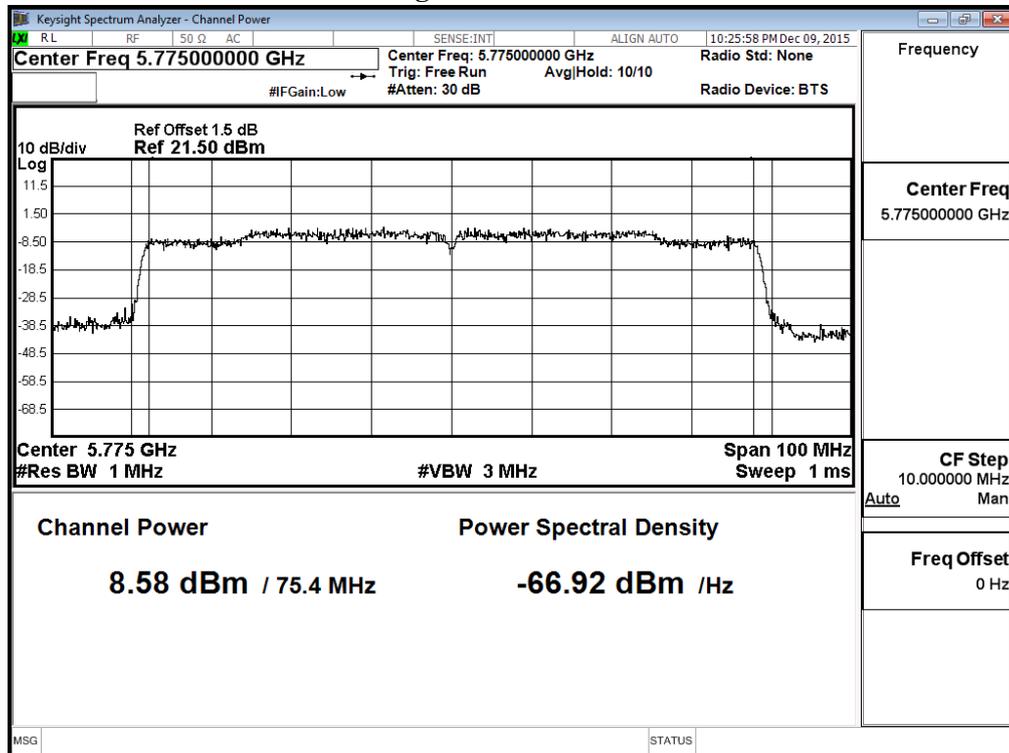
**26dBc Occupied Bandwidth:**

**Figure Channel 155**



**Average conducted output power:**

**Figure Channel 155**



Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(5G Band)

**Chain A**

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Average Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
149	5745	8.21	--	--	--	--	--	--	--	8.21	<30dBm	Pass	
157	5785	10.05	9.98	9.91	9.85	9.79	9.71	9.63	9.58	10.05	<30dBm	Pass	
165	5825	10.21	--	--	--	--	--	--	--	10.21	<30dBm	Pass	

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

**Chain B**

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Average Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
149	5745	9.43	--	--	--	--	--	--	--	9.43	<30dBm	Pass	
157	5785	11.03	10.95	10.89	10.81	10.73	10.67	10.59	10.52	11.03	<30dBm	Pass	
165	5825	11.24	--	--	--	--	--	--	--	11.24	<30dBm	Pass	

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

**Chain A+B**

Channel	Frequency (MHz)	Data Rata (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
149	5745	HT8	8.21	9.43	11.87	<30dBm	Pass
157	5785	HT8	10.05	11.03	13.58	<30dBm	Pass
165	5825	HT8	10.21	11.24	13.77	<30dBm	Pass

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(5G Band)

**Chain A**

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Average Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
151	5755	8.01	--	--	--	--	--	--	--	8.01	<30dBm	Pass	
159	5795	8.47	8.39	8.31	8.24	8.18	8.11	8.04	7.96	8.47	<30dBm	Pass	

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

**Chain B**

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Average Power	Required Limit	Result
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8			
		Measurement Level (dBm)											
151	5755	8.93	--	--	--	--	--	--	--	8.93	<30dBm	Pass	
159	5795	9.5	9.43	9.35	9.27	9.19	9.11	9.04	8.97	9.5	<30dBm	Pass	

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

**Chain A+B**

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
151	5755	HT8	8.01	8.93	11.50	<30dBm	Pass
159	5795	HT8	8.47	9.50	12.03	<30dBm	Pass

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3 MIMO: Transmit - 802.11ac-80BW\_65Mbps(5G Band)

**Chain A**

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)										AVG Power	Required Limit	Result
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9			
155	5775	8.38	8.30	8.21	8.13	8.04	7.96	7.89	7.82	7.74	7.68	8.38	<30dBm	Pass

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

**Chain B**

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)										AVG Power	Required Limit	Result
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9			
155	5775	8.58	8.51	8.43	8.36	8.29	8.21	8.16	8.09	8.02	7.94	8.58	<30dBm	Pass

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

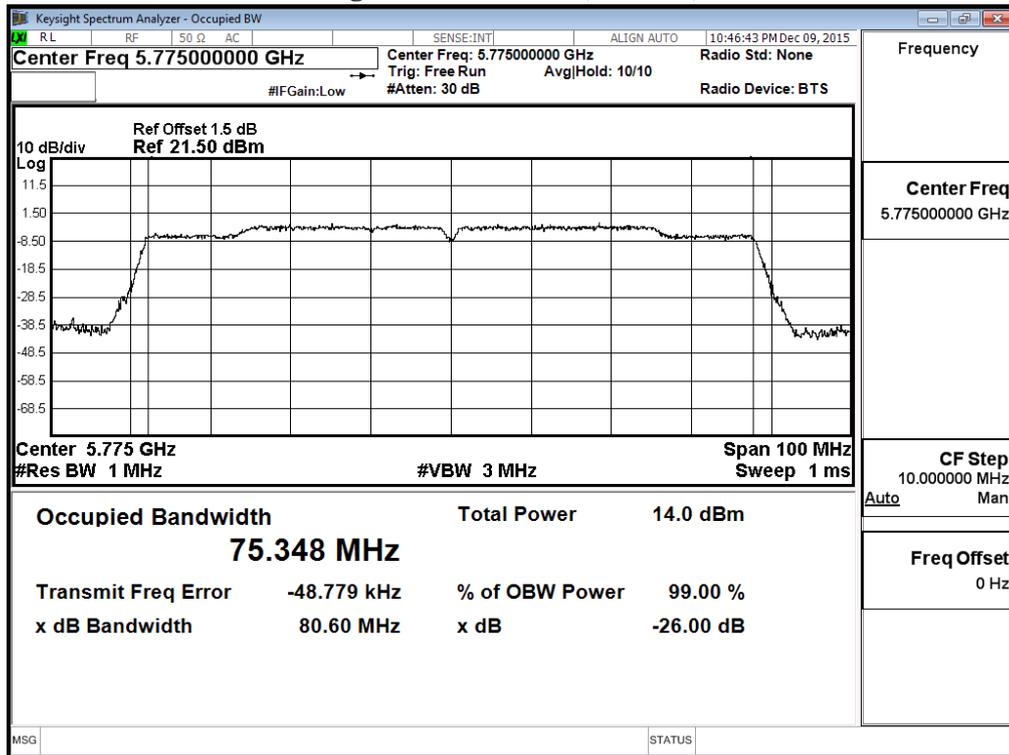
**Chain A+B**

Channel Number	Frequency (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit (dBm)
155	VTH0	8.38	8.58	11.49	30

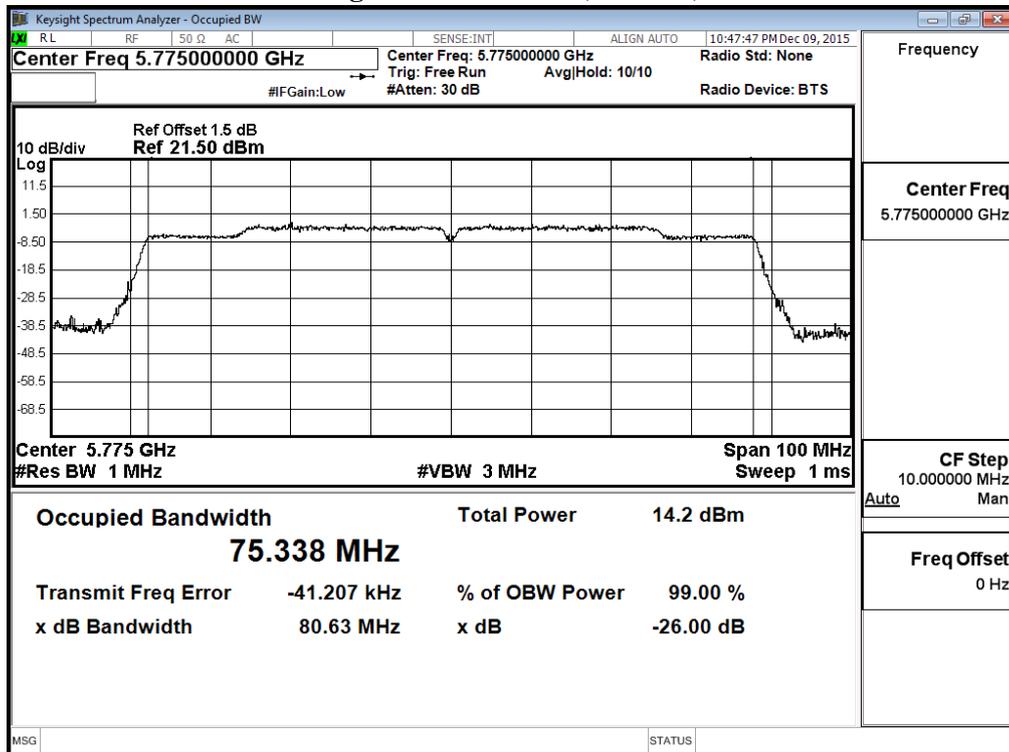
Note:

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

**26dBc Occupied Bandwidth:**  
**Figure Channel 155 (Chain A)**

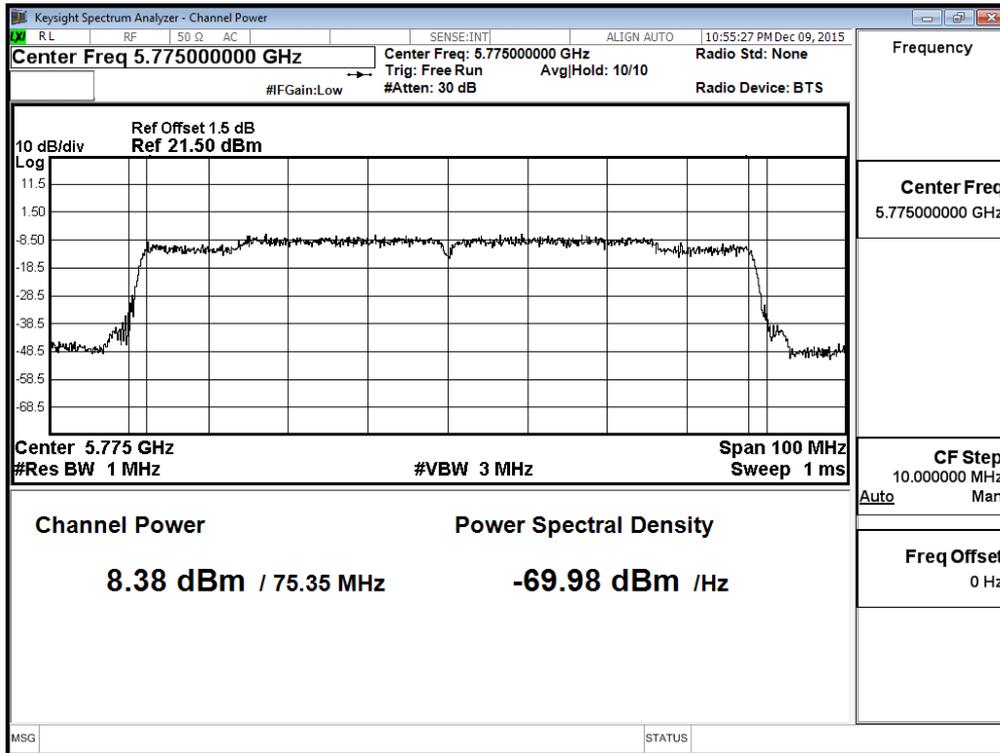


**Figure Channel 155 (Chain B)**

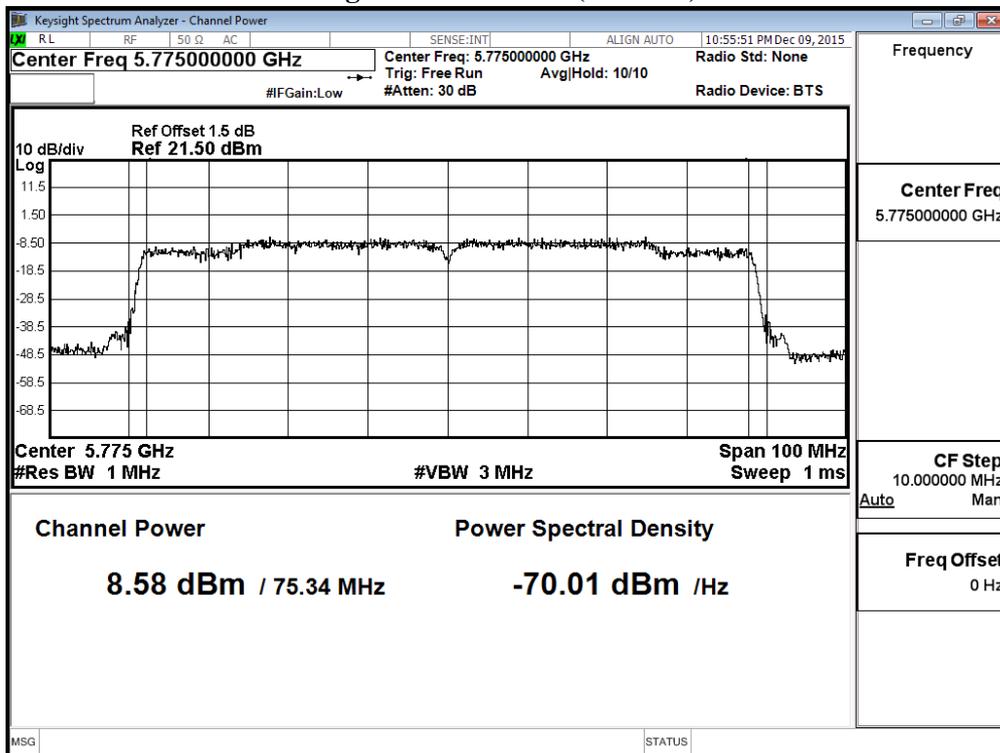


**Maximum conducted output power:**

**Figure Channel 155 (Chain A)**



**Figure Channel 155 (Chain B)**



### 3. Radiated Emission

#### 3.1. Test Equipment

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

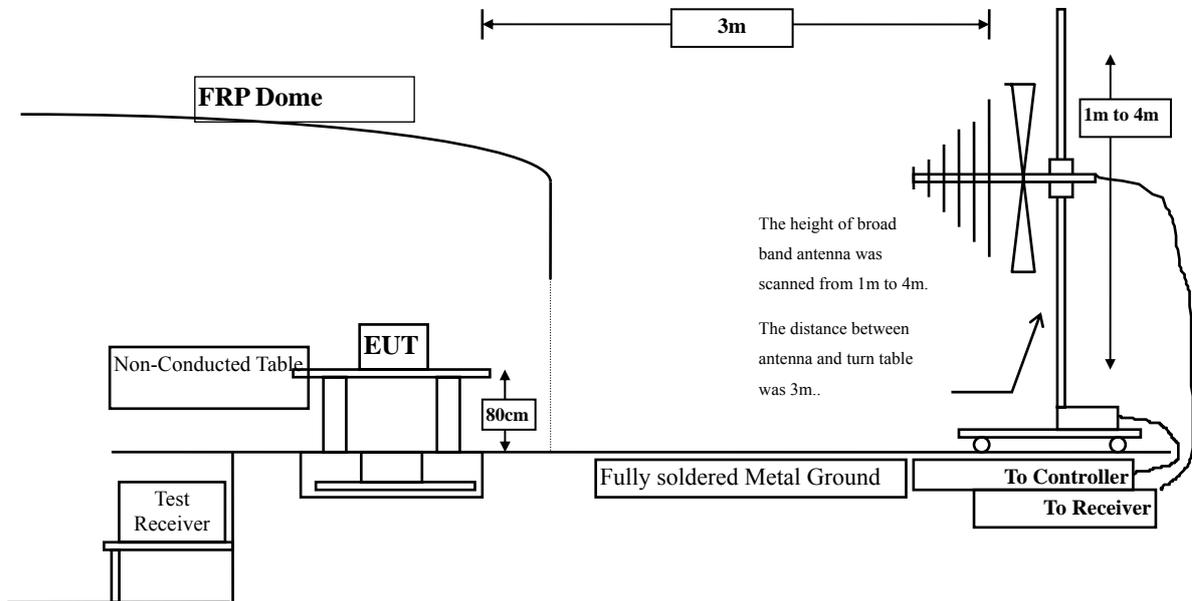
Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒ Site # 3	X	Magnetic Loop Antenna	Teseq	HLA6121/ 37133	Sep., 2015
	X	Bilog Antenna	Schaffner Chase	CBL6112B/ 2707	Jun., 2015
	X	EMI Test Receiver	R&S	ESCS 30/838251/ 001	Jun., 2015
	X	Coaxial Cable	QTK(Arnist)	RG 214/ LC003-RG	Jun., 2015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

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

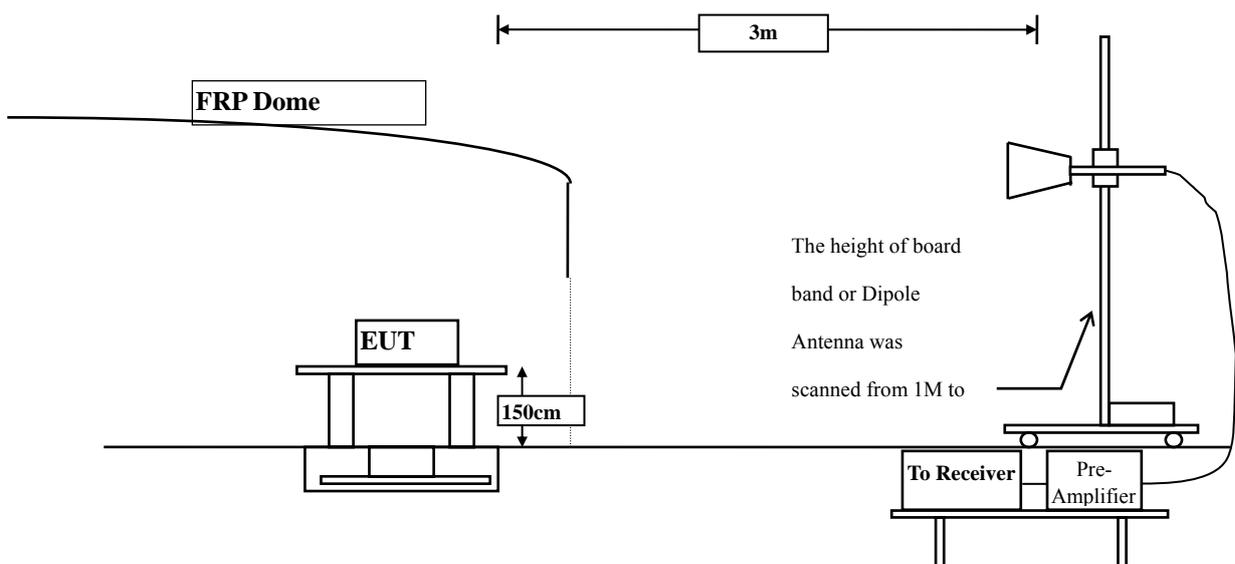
- Note:
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
  2. The test instruments marked with "X" are used to measure the final test results.

### 3.2. Test Setup

#### Radiated Emission Below 1GHz



#### Radiated Emission Above 1GHz



### 3.3. Limits

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

<b>FCC Part 15 Subpart C Paragraph 15.209(a) Limits</b>		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks: E field strength (dBμV/m) = 20 log E field strength (uV/m)

### **3.4. Test Procedure**

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

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

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

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

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

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

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

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

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

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

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

### **3.5. Uncertainty**

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

**3.6. Test Result of Radiated Emission**

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

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11490.000	25.822	26.860	52.682	-21.318	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11490.000	25.822	25.660	51.482	-22.518	74.000
<b>Average Detector:</b>					
--					

Note:

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

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

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11570.000	26.081	25.467	51.548	-22.452	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11570.000	26.081	27.701	53.782	-20.218	74.000
<b>Average Detector:</b>					
--					

Note:

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

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

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11650.000	26.181	26.073	52.255	-21.745	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11650.000	26.181	25.304	51.486	-22.514	74.000
<b>Average Detector:</b>					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(5G Band) (5745MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11490.000	25.822	27.696	53.518	-20.482	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11490.000	25.822	25.920	51.742	-22.258	74.000
<b>Average Detector:</b>					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11570.000	26.081	26.764	52.845	-21.155	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11570.000	26.081	26.967	53.048	-20.952	74.000
<b>Average Detector:</b>					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(5G Band) (5825 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11650.000	26.181	26.575	52.757	-21.243	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11650.000	26.181	25.470	51.652	-22.348	74.000
<b>Average Detector:</b>					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
Test Item : Harmonic Radiated Emission Data  
Test Site : No.3 OATS  
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
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**Horizontal**

**Peak Detector:**

11510.000	26.017	27.124	53.141	-20.859	74.000
-----------	--------	--------	--------	---------	--------

**Average**

**Detector:**

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**Vertical**

**Peak Detector:**

11510.000	26.017	27.151	53.168	-20.832	74.000
-----------	--------	--------	--------	---------	--------

**Average**

**Detector:**

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Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(5G Band) (5795 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11590.000	25.879	27.380	53.258	-20.742	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11590.000	25.879	25.580	51.458	-22.542	74.000
<b>Average Detector:</b>					
--					

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1 SISO A: Transmit - 802.11ac-80BW\_32.5Mbps(5G Band) (5775 MHz)

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

**Peak Detector:**

11550.000	26.724	26.233	52.957	-21.043	74.000
-----------	--------	--------	--------	---------	--------

**Average  
Detector:**

--

**Vertical**

**Peak Detector:**

11550.000	26.724	26.111	52.835	-21.165	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 SISO B: Transmit - 802.11a 6Mbps (5745 MHz)

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

**Horizontal**

**Peak Detector:**

11490.000	15.426	36.320	51.746	-22.254	74.000
-----------	--------	--------	--------	---------	--------

**Average  
Detector:**

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**Vertical**

**Peak Detector:**

11490.000	25.822	28.029	53.851	-20.149	74.000
-----------	--------	--------	--------	---------	--------

**Average  
Detector:**

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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 SISO B: Transmit - 802.11a 6Mbps (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11570.000	26.081	26.761	52.842	-21.158	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11570.000	26.081	25.973	52.054	-21.946	74.000
<b>Average Detector:</b>					
--					

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 SISO B: Transmit - 802.11a 6Mbps (5825 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11650.000	26.181	26.300	52.482	-21.518	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11650.000	26.181	24.976	51.158	-22.842	74.000
<b>Average Detector:</b>					
--					

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 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(5G Band) (5745MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11490.000	25.822	26.362	52.184	-21.816	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11490.000	25.822	26.661	52.483	-21.517	74.000
<b>Average Detector:</b>					
--					

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 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11570.000	26.081	26.247	52.328	-21.672	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11570.000	26.081	26.402	52.483	-21.517	74.000
<b>Average Detector:</b>					
--					

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 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(5G Band) (5825 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11650.000	26.181	25.966	52.148	-21.852	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11650.000	26.181	25.654	51.836	-22.164	74.000
<b>Average Detector:</b>					
--					

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 SISO B: Transmit - 802.11n-40BW\_15Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
------------------	-------------------------	--------------------------------	--------------------------------------	--------------	-----------------------

**Horizontal**

**Peak Detector:**

11510.000	26.017	26.068	52.085	-21.915	74.000
-----------	--------	--------	--------	---------	--------

**Average**

**Detector:**

--

**Vertical**

**Peak Detector:**

11510.000	26.017	27.179	53.196	-20.804	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 SISO B: Transmit - 802.11n-40BW\_15Mbps(5G Band) (5795 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11590.000	25.879	26.473	52.351	-21.649	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11590.000	25.879	27.600	53.478	-20.522	74.000
<b>Average Detector:</b>					
--					

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 SISO B: Transmit - 802.11ac-80BW\_32.5Mbps(5G Band) (5775 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11550.000	26.724	26.110	52.834	-21.166	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11550.000	26.724	25.759	52.483	-21.517	74.000
<b>Average Detector:</b>					
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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 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(5G Band) (5745MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11490.000	25.822	27.860	53.682	-20.318	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11490.000	25.822	27.236	53.058	-20.942	74.000
<b>Average Detector:</b>					
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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 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11570.000	26.081	26.112	52.193	-21.807	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11570.000	26.081	25.751	51.832	-22.168	74.000
<b>Average Detector:</b>					
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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 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(5G Band) (5825 MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11650.000	26.181	26.417	52.599	-21.401	74.000
<b>Average Detector:</b>					
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<b>Vertical</b>					
<b>Peak Detector:</b>					
11650.000	26.181	25.652	51.834	-22.166	74.000
<b>Average Detector:</b>					
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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 MIMO: Transmit - 802.11n-40BW\_30Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dB $\mu$ V	Measurement Level dB $\mu$ V/m	Margin dB	Limit dB $\mu$ V/m
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**Horizontal**

**Peak Detector:**

11510.000	26.017	27.735	53.752	-20.248	74.000
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**Average**

**Detector:**

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**Vertical**

**Peak Detector:**

11510.000	26.017	26.123	52.140	-21.860	74.000
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**Average**

**Detector:**

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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 MIMO: Transmit - 802.11n-40BW\_30Mbps(5G Band) (5795 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11590.000	25.879	27.180	53.058	-20.942	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
11590.000	25.879	26.227	52.105	-21.895	74.000
<b>Average Detector:</b>					
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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 MIMO: Transmit - 802.11ac-80BW\_65Mbps(5G Band) (5775 MHz)

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

**Peak Detector:**

11550.000	26.724	26.102	52.826	-21.174	74.000
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**Average  
Detector:**

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**Vertical**

**Peak Detector:**

11550.000	26.724	25.018	51.742	-22.258	74.000
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**Average  
Detector:**

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Note:

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

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

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
128.576	-7.384	31.201	23.816	-19.684	43.500
268.499	-5.522	32.908	27.387	-18.613	46.000
471.714	3.137	22.504	25.642	-20.358	46.000
617.941	2.415	35.816	38.231	-7.769	46.000
764.048	5.101	23.694	28.795	-17.205	46.000
850.741	6.794	27.727	34.521	-11.479	46.000
<b>Vertical</b>					
176.834	-1.424	26.937	25.513	-17.987	43.500
328.032	-2.543	24.400	21.857	-24.143	46.000
481.656	-3.119	39.001	35.882	-10.118	46.000
555.982	-2.510	27.465	24.954	-21.046	46.000
822.248	3.053	32.666	35.719	-10.281	46.000
885.419	1.324	24.249	25.573	-20.427	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
127.364	-7.368	35.393	28.025	-15.475	43.500
155.858	-8.408	29.253	20.845	-22.655	43.500
331.670	-4.089	33.440	29.351	-16.649	46.000
451.829	1.040	22.310	23.350	-22.650	46.000
609.211	3.777	31.901	35.678	-10.322	46.000
730.583	3.790	21.610	25.400	-20.600	46.000
<b>Vertical</b>					
169.438	-4.352	33.837	29.485	-14.015	43.500
301.964	-3.987	29.195	25.208	-20.792	46.000
380.049	0.952	32.717	33.669	-12.331	46.000
517.546	0.500	23.633	24.133	-21.867	46.000
609.211	2.128	31.153	33.281	-12.719	46.000
685.962	2.260	24.559	26.819	-19.181	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
259.890	-5.455	40.873	35.418	-10.582	46.000
371.319	0.858	23.344	24.201	-21.799	46.000
555.982	2.827	20.635	23.462	-22.538	46.000
647.647	1.579	21.544	23.123	-22.877	46.000
804.909	6.229	20.800	27.029	-18.971	46.000
921.430	6.730	19.867	26.597	-19.403	46.000
<b>Vertical</b>					
155.858	-5.225	39.224	33.999	-9.501	43.500
368.894	-0.330	29.712	29.382	-16.618	46.000
539.856	2.164	32.568	34.732	-11.268	46.000
611.636	1.967	24.601	26.569	-19.431	46.000
729.370	-0.805	37.759	36.953	-9.047	46.000
818.731	2.981	25.035	28.016	-17.984	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1 SISO A: Transmit - 802.11ac-80BW\_32.5Mbps(5G Band) (5775MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
175.621	-9.851	38.873	29.022	-14.478	43.500
391.204	0.934	24.052	24.986	-21.014	46.000
498.995	1.929	30.612	32.541	-13.459	46.000
593.085	3.465	20.344	23.809	-22.191	46.000
744.284	3.899	19.568	23.467	-22.533	46.000
861.896	6.327	28.044	34.371	-11.629	46.000
<b>Vertical</b>					
155.858	-5.225	33.485	28.260	-15.240	43.500
248.735	-5.202	30.450	25.248	-20.752	46.000
353.980	-1.124	37.260	36.136	-9.864	46.000
389.991	-0.737	32.988	32.251	-13.749	46.000
627.762	-0.414	28.424	28.010	-17.990	46.000
821.035	3.025	32.037	35.062	-10.938	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2 SISO B: Transmit - 802.11a 6Mbps (5785MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
227.638	-8.877	40.535	31.658	-14.342	46.000
444.432	-0.301	21.114	20.814	-25.186	46.000
606.786	4.115	23.379	27.494	-18.506	46.000
798.725	6.410	29.421	35.831	-10.169	46.000
852.075	7.025	22.497	29.522	-16.478	46.000
943.740	6.843	21.560	28.403	-17.597	46.000
<b>Vertical</b>					
157.070	-5.195	28.808	23.613	-19.887	43.500
233.821	-6.815	35.507	28.692	-17.308	46.000
437.036	-7.027	31.170	24.144	-21.856	46.000
527.489	1.153	33.455	34.608	-11.392	46.000
718.215	-1.060	22.396	21.337	-24.663	46.000
855.713	-0.305	33.921	33.616	-12.384	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
165.679	-9.919	43.821	33.902	-9.598	43.500
274.683	-6.444	34.072	27.629	-18.371	46.000
381.261	1.382	24.094	25.475	-20.525	46.000
551.011	3.500	26.759	30.259	-15.741	46.000
664.986	1.885	20.625	22.510	-23.490	46.000
803.696	6.289	27.949	34.237	-11.763	46.000
<b>Vertical</b>					
124.818	-3.713	26.625	22.912	-20.588	43.500
214.058	-5.845	31.778	25.933	-17.567	43.500
378.836	0.839	20.153	20.992	-25.008	46.000
532.460	1.209	34.665	35.874	-10.126	46.000
684.750	2.182	25.260	27.442	-18.558	46.000
790.116	2.699	28.676	31.374	-14.626	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
160.708	-10.095	41.128	31.034	-12.466	43.500
295.780	-4.747	24.697	19.950	-26.050	46.000
362.710	0.088	24.054	24.142	-21.858	46.000
486.627	1.346	23.679	25.025	-20.975	46.000
601.815	3.678	26.554	30.232	-15.768	46.000
847.104	6.560	26.136	32.696	-13.304	46.000
<b>Vertical</b>					
108.691	-3.731	25.365	21.634	-21.866	43.500
271.045	-6.590	25.931	19.340	-26.660	46.000
380.049	0.952	22.355	23.307	-22.693	46.000
570.775	-2.387	35.388	33.001	-12.999	46.000
788.783	2.712	31.495	34.207	-11.793	46.000
879.235	1.103	25.575	26.678	-19.322	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2 SISO B: Transmit - 802.11ac-80BW\_32.5Mbps(5G Band) (5775MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
153.311	-7.968	43.276	35.308	-8.192	43.500
362.710	0.088	31.517	31.605	-14.395	46.000
403.571	0.913	22.294	23.207	-22.793	46.000
598.056	3.537	22.131	25.668	-20.332	46.000
718.215	3.815	23.107	26.923	-19.077	46.000
961.079	6.796	26.717	33.513	-20.487	54.000
<b>Vertical</b>					
138.398	-5.084	26.612	21.529	-21.971	43.500
279.654	-6.099	37.438	31.338	-14.662	46.000
349.009	-1.064	27.740	26.676	-19.324	46.000
549.799	-0.435	36.675	36.240	-9.760	46.000
656.256	-2.660	33.186	30.527	-15.473	46.000
838.374	1.847	33.124	34.971	-11.029	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBµV	Measurement Level dBµV/m	Margin dB	Limit dBµV/m
<b>Horizontal</b>					
110.025	-7.526	32.553	25.028	-18.472	43.500
371.682	0.862	24.716	25.579	-20.421	46.000
521.790	3.192	24.659	27.851	-18.149	46.000
686.569	3.096	23.206	26.301	-19.699	46.000
835.949	6.028	21.325	27.353	-18.647	46.000
960.351	6.713	22.711	29.424	-24.576	54.000
<b>Vertical</b>					
159.495	-5.133	23.856	18.723	-24.777	43.500
329.245	-2.337	37.373	35.036	-10.964	46.000
456.800	-3.328	26.602	23.274	-22.726	46.000
595.631	0.679	32.497	33.176	-12.824	46.000
770.231	2.727	25.147	27.875	-18.125	46.000
905.304	0.936	36.608	37.544	-8.456	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
123.605	-7.324	34.008	26.684	-16.816	43.500
240.005	-6.770	42.977	36.207	-9.793	46.000
398.600	0.879	22.405	23.284	-22.716	46.000
480.322	1.848	30.805	32.653	-13.347	46.000
595.631	3.587	21.313	24.900	-21.100	46.000
797.513	6.398	27.949	34.346	-11.654	46.000
<b>Vertical</b>					
43.216	-11.070	39.963	28.893	-11.107	40.000
180.593	-1.326	22.152	20.825	-22.675	43.500
315.665	-4.111	22.433	18.322	-27.678	46.000
437.036	-7.027	42.938	35.912	-10.088	46.000
576.959	-2.321	28.881	26.560	-19.440	46.000
773.990	2.209	28.439	30.648	-15.352	46.000

Note:

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

Product : INTEL DUAL BAND WIRELESS-AC 7265  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3 MIMO: Transmit - 802.11ac-80BW\_65Mbps(5G Band) (5775MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
<b>Horizontal</b>					
42.125	-6.867	38.934	32.067	-7.933	40.000
149.674	-7.852	33.303	25.450	-18.050	43.500
365.256	0.343	20.997	21.341	-24.659	46.000
467.955	3.448	32.973	36.420	-9.580	46.000
610.060	3.657	24.646	28.303	-17.697	46.000
824.673	7.314	24.428	31.742	-14.258	46.000
<b>Vertical</b>					
49.279	-12.192	36.714	24.522	-15.478	40.000
230.184	-6.196	36.887	30.690	-15.310	46.000
372.652	-0.086	36.319	36.233	-9.767	46.000
527.489	1.153	19.552	20.705	-25.295	46.000
605.452	2.268	22.908	25.175	-20.825	46.000
823.581	3.081	30.086	33.167	-12.833	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. EMI Reduction Method During Compliance Testing**

No modification was made during testing.