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	Oct. 23, 2015
Issue Date	Dec. 04, 2015
Report No.	15A0311R-RFUSP25V00
Report Version	V1.0

Testing Laboratory
3023

Test Report

Issue Date: Dec. 04, 2015
Report No.: 15A0311R-RFUSP25V00

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

Documented By : Jinn Chen

(Senior Adm. Specialist / Jinn Chen)

Tested By : Jack Hsu

(Engineer / Jack Hsu)

Approved By :

(Director / Vincent Lin)

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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	802.11b/g/n-20MHz: 11, n-40MHz: 7 802.11a/n-20MHz: 5, n-40MHz: 2 802.11ac-80MHz: 1
Data Speed	802.11b: 1-11Mbps, 802.11a/g: 6-54Mbps, 802.11n: up to 300Mbps 802.11ac-80MHz: up to 866.7MHz
Channel separation	802.11b/g/n-20(40)MHz: 5 MHz, 802.11a/n-20MHz: 20MHz 802.11n-40MHz: 40MHz, 802.11ac-80MHz: 80MHz
Type of Modulation	802.11b:DSSS, DBPSK, DQPSK, CCK 802.11a/g/n/ac: OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM
Antenna Type	PIFA Antenna
Antenna Gain	Refer to the table “Antenna List”
Channel Control	Auto
Power Adapter	MFR: ASUS, M/N: AD883J20 Input: AC 100-240V ~ 50/60Hz, 1.0A Output: DC 19V, 2.37A Cable out: Non-Shielded, 2.0m, with one ferrite core bonded.
Test Platform.	Brand Name: ASUS, M/N: Q553U

Antenna List

Manufacturer	Part No.	Peak Gain
INPAQ	WA-F-LB-02-065 (MAIN) WA-F-LB-01-032 (AUX)	1.2dBi For 5725-5850GHz
Hong Lin	260-26091 (Main) 260-26092 (Aux)	-1.1dBi For 5725-5850GHz

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

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

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

   The major change filed under this application is:

   Change #1: Additional Chassis added, Model number: Q553U

   #2: Reduce the Output Power through firmware

   (only reduce Wi-Fi(5G) Power, Wi-Fi(2.4G) and 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)

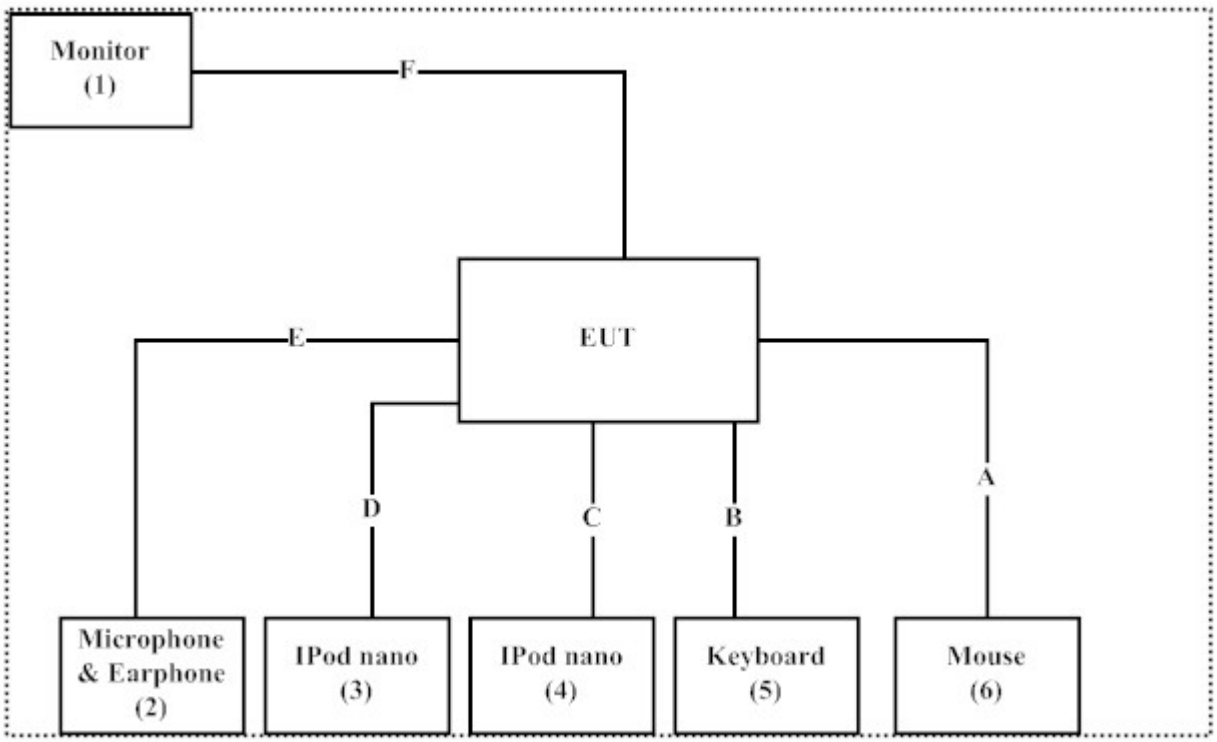
1.3. Tested System Details

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	LCD Monitor	DELL	ST2320Lf	CN-0M2nn6-72872-22I-CA1S	Non-Shielded, 1.8m
2	Microphone & Earphone	Ergotech	ET-E201	N/A	N/A
3	IPod nano	Apple	A1199	YM7333GCVQ5	N/A
4	IPod nano	Apple	A1199	5U7308JPVQ5	N/A
5	Keyboard	DELL	SK-8115	MY-0DJ325-71619-79D-0178	N/A
6	Mouse	Logitech	M-SBM96B	810-000439	N/A

Signal Cable Type		Signal cable Description
A	Mouse Cable	Non-shielded, 1.8 m
B	Keyboard Cable	Non-shielded, 1.8 m
C	USB Cable	Non-shielded, 1.8 m
D	USB Cable	Non-shielded, 1.8 m
E	Microphone & Earphone Cable	Non-shielded, 1.8 m
F	HDMI Cable	Non-shielded, 1.0 m

1.4. Configuration of Tested System



1.5. EUT Exercise Software

(1) Setup the EUT as shown in Section 1.4

(2) Execute “DRTU V1.7.7-01483” program on the EUT.

(3) Configure the test mode, the test channel, and the data rate.

(4) Start the continuous transmission.

(5) Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

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

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

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

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

FCC Accreditation Number: TW1014

2. Peak Power Output

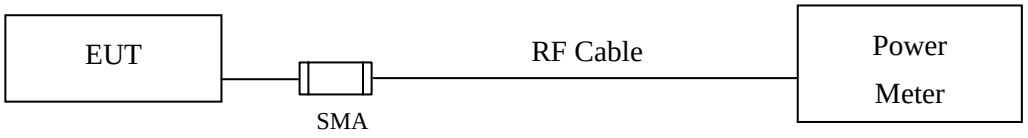
2.1. Test Equipment

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

Note:

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

2.2. Test Setup



2.3. Limits

The maximum peak power shall be less 1 Watt.

2.4. Test Procedure

The EUT was tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements. The maximum peak conducted output power using KDB 558074 D01 DTS Meas Guidance v03r02 section 9.1.2 PKPM1 Peak power meter 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	6		
		Measurement Level (dBm)										
149	5745	11.45	--	--	--	--	--	--	--	11.45	<30dBm	Pass
157	5785	11.69	11.47	11.16	10.91	10.65	10.38	10.12	9.85	11.69	<30dBm	Pass
165	5825	11.76	--	--	--	--	--	--	--	11.76	<30dBm	Pass

Note: Average 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	11.39	--	--	--	--	--	--	--	11.39	<30dBm	Pass
157	5785	11.48	11.22	11.03	10.79	10.57	10.34	10.12	9.89	11.48	<30dBm	Pass
165	5825	11.64	--	--	--	--	--	--	--	11.64	<30dBm	Pass

Note: Average 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 For different Data Rate (Mbps)								Average Power	Required Limit	Result
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0		
		Measurement Level (dBm)										
151	5755	11.34	11.16	10.97	10.79	10.60	10.42	10.23	10.05	11.34	<30dBm	Pass
159	5795	12	--	--	--	--	--	--	--	12.00	<30dBm	Pass

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

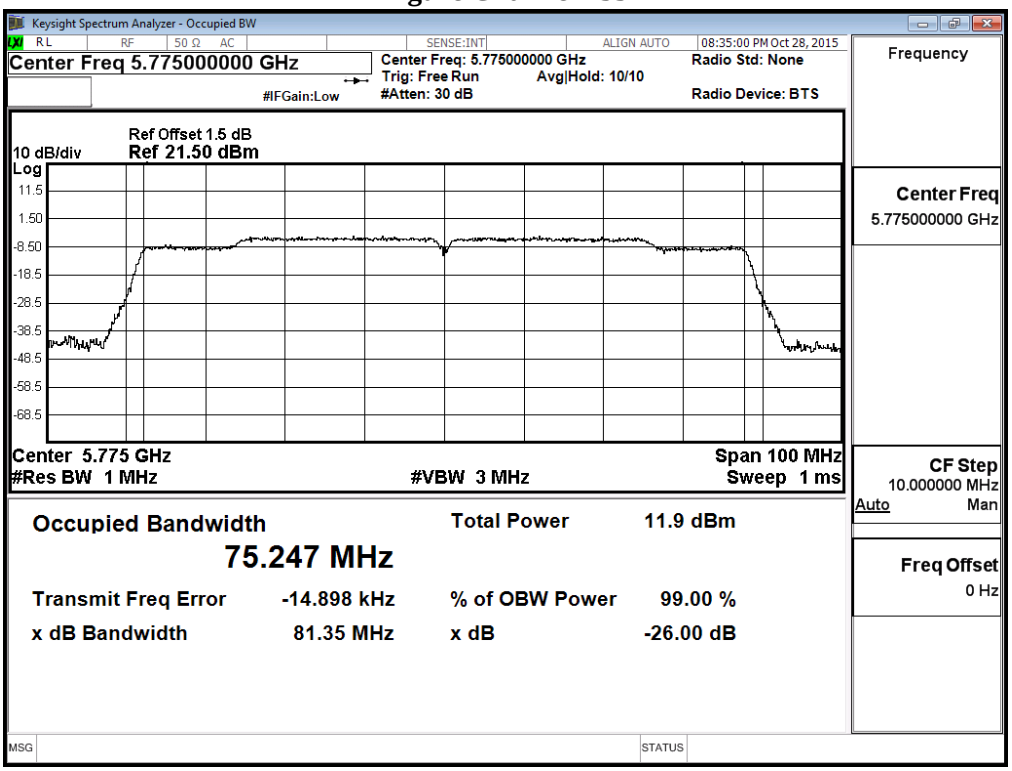
Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO A: Transmit - 802.11ac-80BW_32.5Mbps(5G Band)

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	VTH0		
155	5775	9.89	9.71	9.54	9.36	9.19	9.01	8.84	8.66	8.49	8.31	9.89	<30dBm	Pass

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

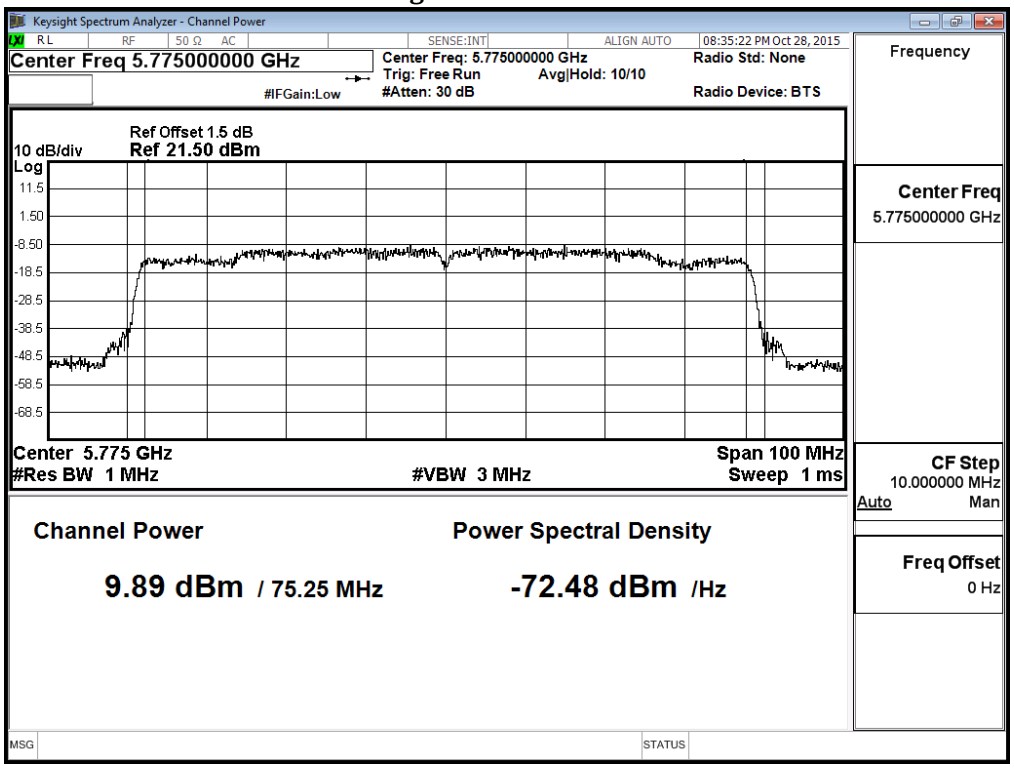
26dBc Occupied Bandwidth:

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	6		
		Measurement Level (dBm)										
149	5745	11.5	--	--	--	--	--	--	--	11.50	<30dBm	Pass
157	5785	11.88	11.63	11.39	11.14	10.90	10.65	10.41	10.16	11.88	<30dBm	Pass
165	5825	12	--	--	--	--	--	--	--	12.00	<30dBm	Pass

Note: Average 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	11.48	--	--	--	--	--	--	--	11.48	<30dBm	Pass
157	5785	11.61	11.44	11.29	11.13	10.97	10.81	10.65	10.49	11.61	<30dBm	Pass
165	5825	11.77	--	--	--	--	--	--	--	11.77	<30dBm	Pass

Note: Average 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	11.43	11.22	10.97	10.75	10.52	10.29	10.06	9.83	11.43	<30dBm	Pass
159	5795	11.78	--	--	--	--	--	--	--	11.78	<30dBm	Pass

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

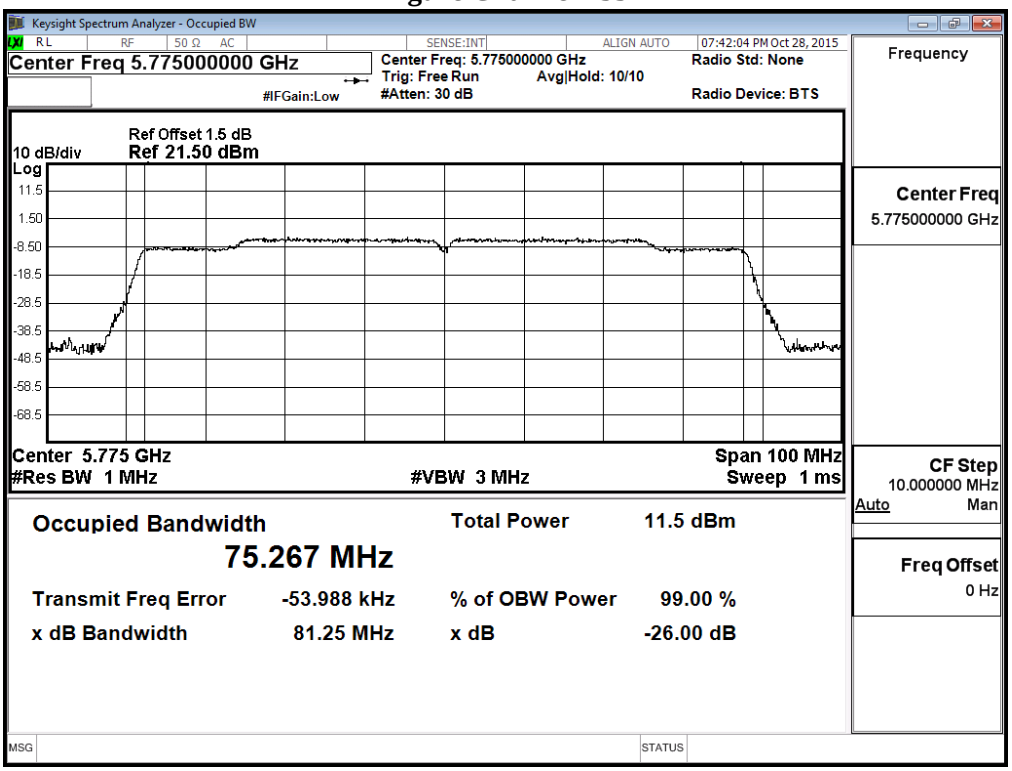
Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit - 802.11ac-80BW_32.5Mbps(5G Band)

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	VTH0		
155	5775	9.64	9.41	9.26	9.06	8.87	8.68	8.49	8.30	8.11	7.92	9.64	<30dBm	Pass

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

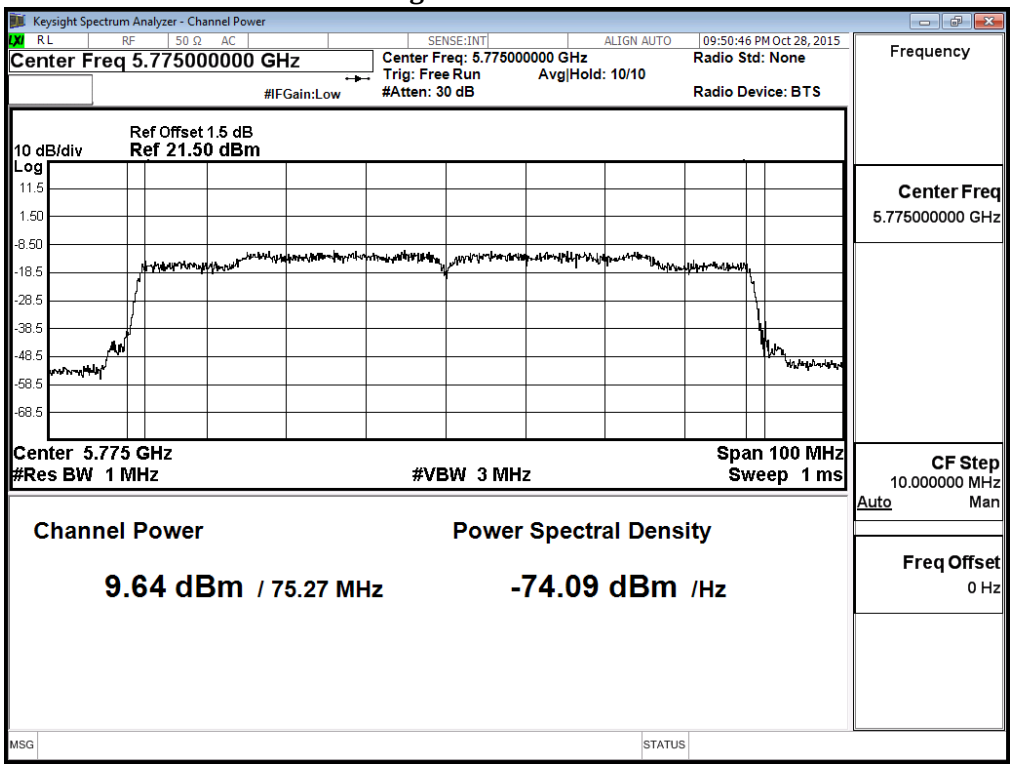
26dBc Occupied Bandwidth:

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	10.82	--	--	--	--	--	--	--	10.82	<30dBm	Pass
157	5785	11.32	11.07	10.79	10.53	10.27	10.00	9.74	9.47	11.32	<30dBm	Pass
165	5825	11.78	--	--	--	--	--	--	--	11.78	<30dBm	Pass

Note: Average 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	11.05	--	--	--	--	--	--	--	11.05	<30dBm	Pass
157	5785	11.59	11.41	11.19	11.00	10.80	10.60	10.40	10.20	11.59	<30dBm	Pass
165	5825	12	--	--	--	--	--	--	--	12	<30dBm	Pass

Note: Average 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	10.82	11.05	13.95	<30dBm	Pass
157	5785	HT8	11.32	11.59	14.47	<30dBm	Pass
165	5825	HT8	11.78	12.00	14.90	<30dBm	Pass

Note: Average 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	11.24	--	--	--	--	--	--	--	11.24	<30dBm	Pass
159	5795	11.43	11.29	11.03	10.85	10.65	10.45	10.25	10.05	11.43	<30dBm	Pass

Note: Average 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	11.78	--	--	--	--	--	--	--	11.78	<30dBm	Pass
159	5795	12.34	12.16	11.97	11.787	11.602	11.417	11.232	11.047	12.34	<30dBm	Pass

Note: Average 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
151	5755	HT8	11.24	11.78	14.53	<30dBm	Pass
159	5795	HT8	11.43	12.34	14.92	<30dBm	Pass

Note: Average 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	VTH0		
155	5775	9.55	9.39	9.21	9.04	8.87	8.70	8.53	8.36	8.19	8.02	9.55	<30dBm	Pass

Note: Average 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	VTH0		
155	5775	9.82	9.66	9.41	9.22	9.02	8.81	8.61	8.40	8.20	7.99	9.82	<30dBm	Pass

Note: Average 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	9.55	9.82	12.70	30

Note:

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

26dBc Occupied Bandwidth:

Figure Channel 155 (Chain A)

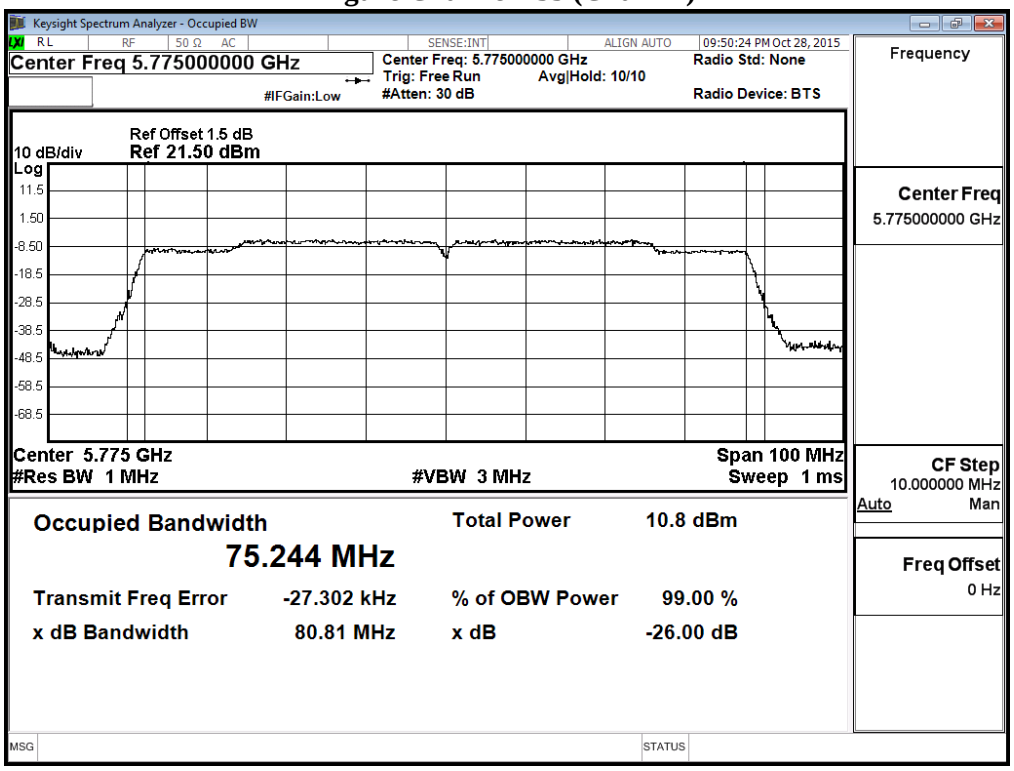
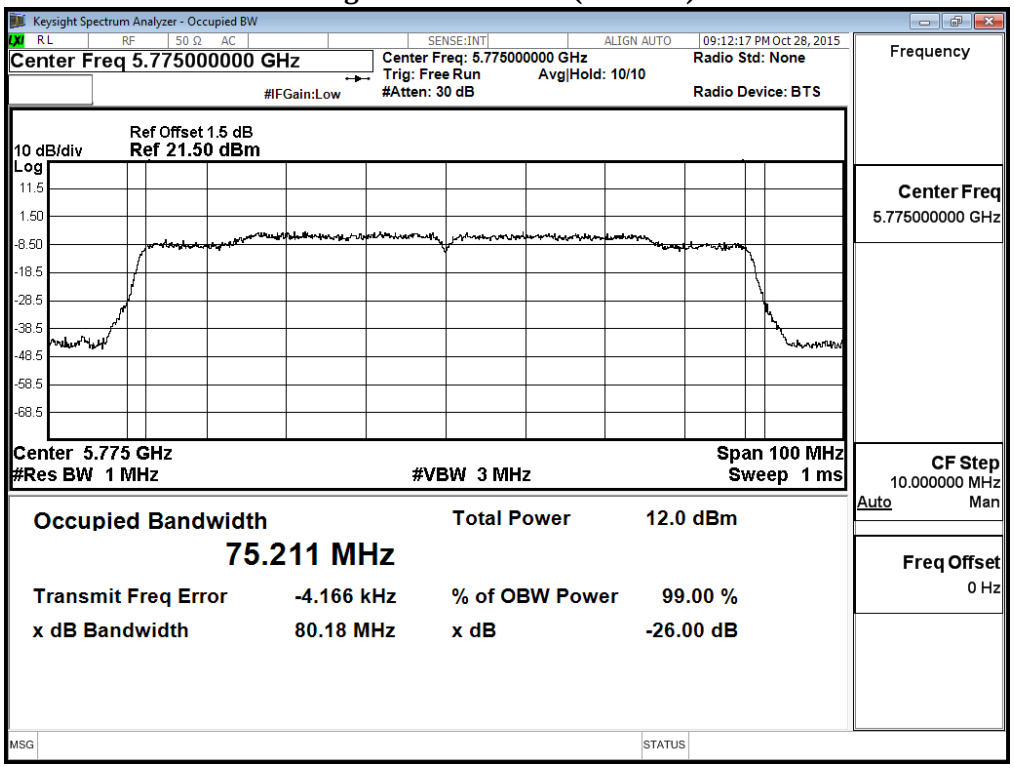


Figure Channel 155 (Chain B)



Maximum conducted output power:

Figure Channel 155 (Chain A)

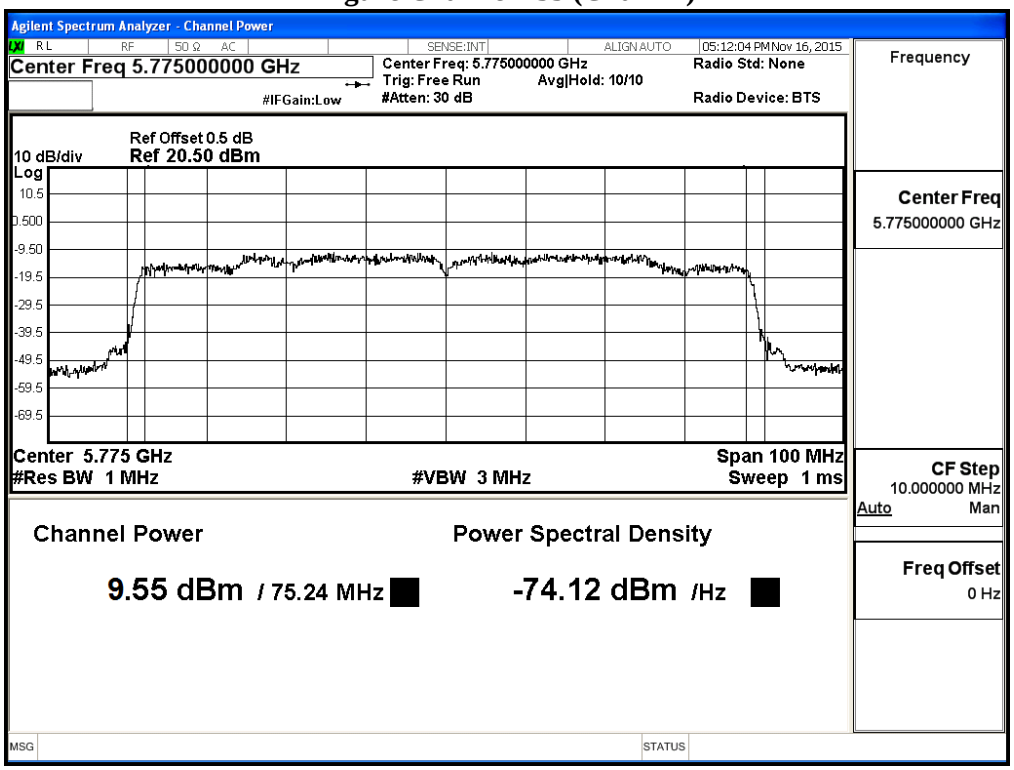
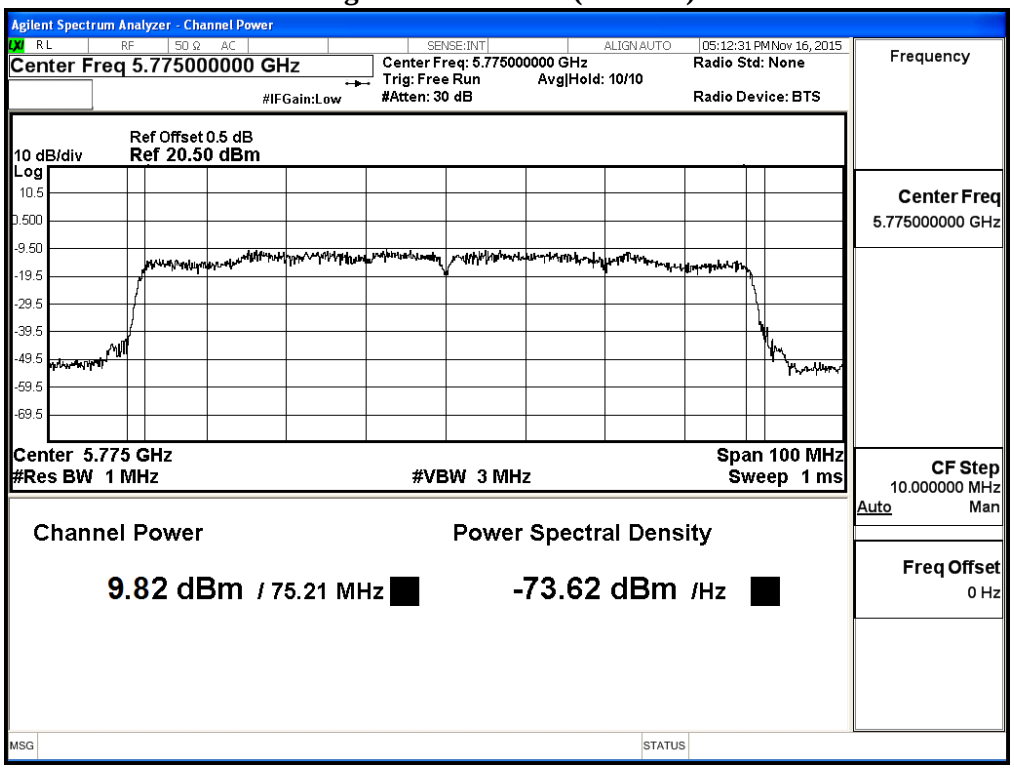


Figure Channel 155 (Chain B)



3. Radiated Emission

3.1. Test Equipment

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

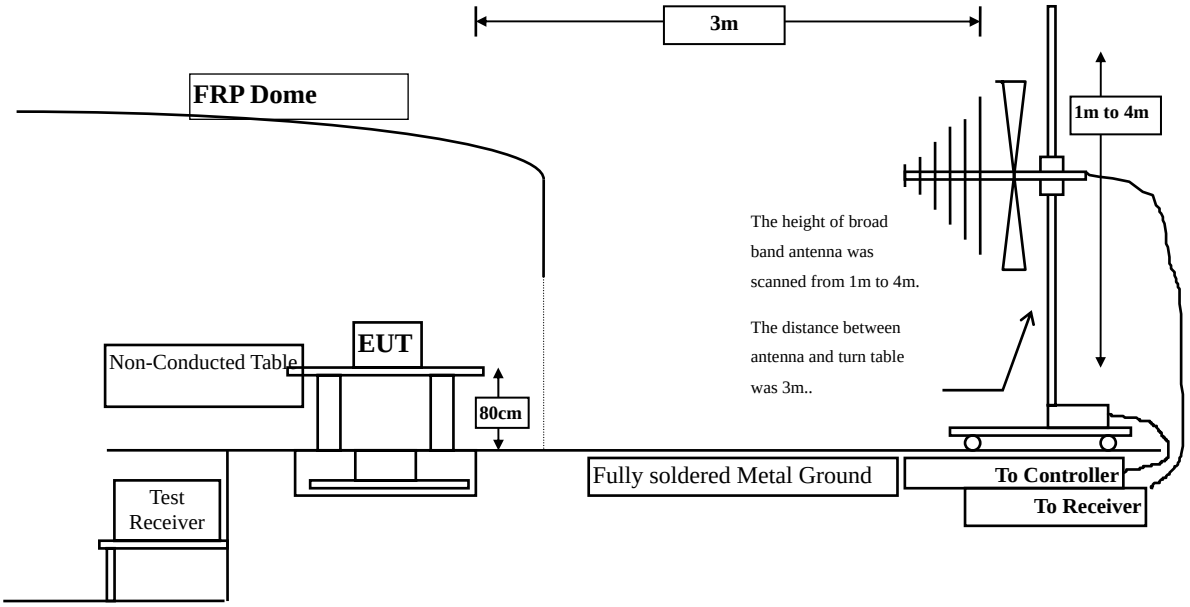
Test Site	Equipment		Manufacturer	Model No./Serial No.	Last Cal.
☒Site # 3	X	Magnetic Loop Antenna	Teseq	HLA6121/ 37133	Sep., 2015
	X	Bilog Antenna	Schaffner Chase	CBL6112B/ 2707	Jun., 2015
	X	EMI Test Receiver	R&S	ESCS 30/838251/ 001	Jun., 2015
	X	Coaxial Cable	QTK(Arnist)	RG 214/ LC003-RG	Jun., 2015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

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

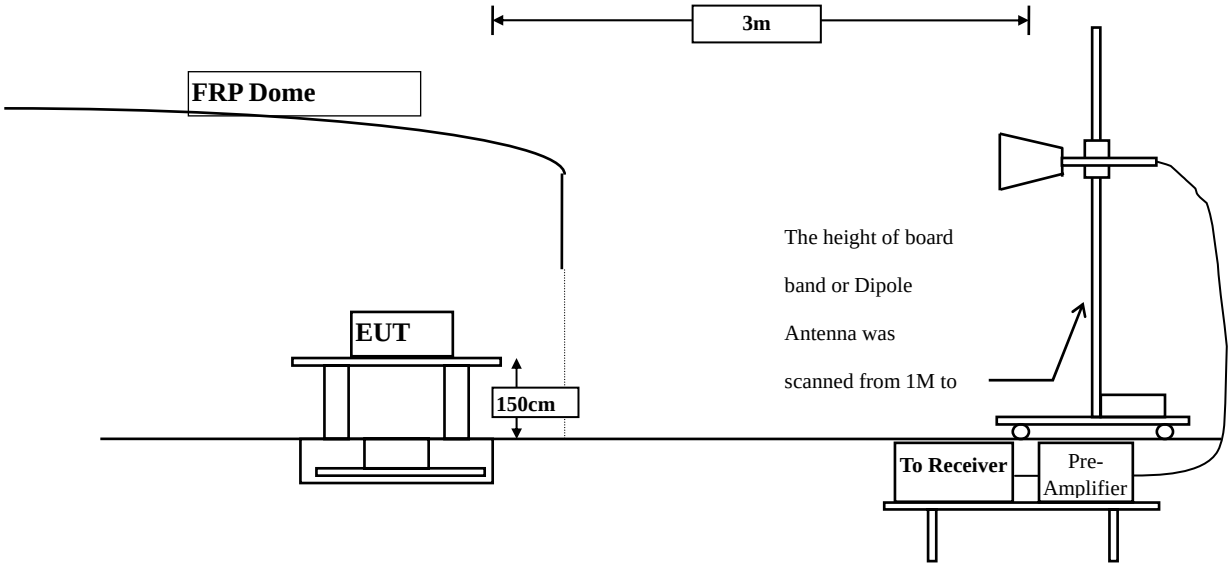
Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

3.2. Test Setup

Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



3.3. Limits

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

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

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

3.4. Test Procedure

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

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

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

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

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

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

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

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

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

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

The measurement frequency range form 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	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11490.000	15.521	37.320	52.841	-21.159	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11490.000	15.521	37.820	53.341	-20.659	74.000
Average Detector:					
--					

Note:

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11570.000	15.723	37.120	52.844	-21.156	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11570.000	15.723	37.598	53.322	-20.678	74.000
Average Detector:					
--					

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11650.000	15.762	38.460	53.222	-20.778	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11650.000	15.762	37.890	53.652	-20.348	74.000
Average Detector:					
--					

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11490.000	15.521	37.710	53.231	-20.769	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11490.000	15.521	38.330	53.851	-20.149	74.000
Average Detector:					
--					

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11570.000	15.723	36.320	52.044	-21.956	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11570.000	15.723	37.098	52.822	-21.178	74.000
Average Detector:					
--					

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11650.000	15.762	38.150	53.912	-20.088	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11650.000	15.762	37.910	53.672	-20.328	74.000
Average Detector:					
--					

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11510.000	15.705	38.190	53.895	-20.105	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
11510.000	15.705	37.960	53.665	-20.335	74.000
Average					
Detector:					
--					

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11590.000	15.500	38.460	53.960	-20.040	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11590.000	15.500	38.100	53.600	-20.400	74.000
Average Detector:					
--					

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11550.000	16.378	34.780	51.158	-22.842	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11550.000	16.378	34.810	51.188	-22.812	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	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11490.000	15.521	35.020	50.541	-23.459	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11490.000	15.521	36.810	52.331	-21.669	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 (5785 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11570.000	15.723	35.230	50.954	-23.046	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11570.000	15.723	37.180	52.904	-21.096	74.000
Average Detector:					
--					

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

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit - 802.11a 6Mbps (5825 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11650.000	15.762	35.950	51.712	-22.288	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11650.000	15.762	35.440	51.202	-22.798	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-20BW_7.2Mbps(5G Band) (5745MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11490.000	15.521	35.750	51.271	-22.729	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11490.000	15.521	37.060	52.581	-21.419	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-20BW_7.2Mbps(5G Band) (5785 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11570.000	15.723	35.431	51.154	-22.846	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11570.000	15.723	38.921	53.644	-20.356	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-20BW_7.2Mbps(5G Band) (5825 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11650.000	15.762	36.520	52.282	-21.718	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11650.000	15.762	38.130	53.892	-20.108	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) (5755MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11510.000	15.705	35.900	51.605	-22.395	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
11510.000	15.705	37.010	52.715	-21.285	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	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11590.000	15.500	35.900	51.400	-22.600	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11590.000	15.500	36.060	51.560	-22.440	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 - 802.11ac-80BW_32.5Mbps(5G Band) (5775 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11550.000	16.378	34.720	51.098	-22.902	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11550.000	16.378	34.800	51.178	-22.822	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 MIMO: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5745MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11490.000	15.521	36.551	52.072	-21.928	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
11490.000	15.521	36.351	51.872	-22.128	74.000
Average					
Detector:					
--					

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11570.000	15.723	36.431	52.155	-21.845	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11570.000	15.723	36.431	52.155	-21.845	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 MIMO: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5825 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal Peak Detector:					
11650.000	15.762	36.333	52.095	-21.905	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11650.000	15.762	36.267	52.029	-21.971	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 MIMO: Transmit - 802.11n-40BW_30Mbps(5G Band) (5755MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11510.000	15.705	35.200	50.905	-23.095	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
11510.000	15.705	34.720	50.425	-23.575	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 MIMO: Transmit - 802.11n-40BW_30Mbps(5G Band) (5795 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11590.000	15.723	35.964	51.688	-22.312	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11590.000	15.723	34.298	50.022	-23.978	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 MIMO: Transmit - 802.11ac-80BW_65Mbps(5G Band) (5775 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal Peak Detector:					
11550.000	16.378	34.900	51.278	-22.722	74.000
Average Detector:					
--					
Vertical Peak Detector:					
11550.000	16.378	34.860	51.238	-22.762	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 : General Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1 SISO A: Transmit - 802.11a 6Mbps (5785MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
33.880	-2.882	35.113	32.231	-7.769	40.000
233.700	-8.619	46.430	37.811	-8.189	46.000
398.600	-2.268	39.814	37.546	-8.454	46.000
602.300	4.287	29.228	33.515	-12.485	46.000
889.420	6.262	30.519	36.781	-9.219	46.000
986.420	7.773	35.742	43.515	-10.485	54.000
Vertical					
179.380	-8.591	38.796	30.205	-13.295	43.500
400.540	-5.156	35.343	30.188	-15.812	46.000
542.160	-0.269	28.396	28.127	-17.873	46.000
800.180	2.801	32.522	35.323	-10.677	46.000
968.960	8.191	30.786	38.977	-15.023	54.000
1000.000	4.329	38.753	43.082	-10.918	54.000

Note:

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
97.900	-7.650	43.601	35.950	-7.550	43.500
299.660	-3.585	35.607	32.022	-13.978	46.000
400.540	-2.276	38.062	35.786	-10.214	46.000
796.300	5.161	34.550	39.711	-6.289	46.000
889.420	6.262	31.725	37.987	-8.013	46.000
1000.000	9.119	39.989	49.108	-4.892	54.000
Vertical					
66.860	-6.015	38.628	32.613	-7.387	40.000
179.380	-8.591	39.517	30.926	-12.574	43.500
398.600	-4.678	38.628	33.950	-12.050	46.000
800.180	2.801	32.529	35.330	-10.670	46.000
968.960	8.191	30.754	38.945	-15.055	54.000
1000.000	4.329	39.978	44.307	-9.693	54.000

Note:

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
97.900	-7.650	43.431	35.780	-7.720	43.500
398.600	-2.268	40.456	38.188	-7.812	46.000
598.420	3.991	32.424	36.415	-9.585	46.000
800.180	5.141	33.838	38.979	-7.021	46.000
889.420	6.262	32.424	38.686	-7.314	46.000
986.420	7.773	35.109	42.882	-11.118	54.000
Vertical					
107.600	-0.318	35.989	35.671	-7.829	43.500
210.420	-7.882	42.476	34.595	-8.905	43.500
398.600	-4.678	41.395	36.717	-9.283	46.000
600.360	-2.833	33.896	31.063	-14.937	46.000
800.180	2.801	34.221	37.022	-8.978	46.000
1000.000	4.329	39.959	44.288	-9.712	54.000

Note:

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
32.812	-1.513	28.321	26.808	-13.192	40.000
98.884	-7.565	30.009	22.445	-21.055	43.500
252.116	-5.573	28.796	23.223	-22.777	46.000
453.145	-1.210	29.279	28.069	-17.931	46.000
595.130	3.963	29.797	33.760	-12.240	46.000
908.623	6.011	28.963	34.974	-11.026	46.000
Vertical					
34.217	-2.154	29.459	27.305	-12.695	40.000
114.348	-2.256	30.339	28.083	-15.417	43.500
344.899	-3.084	28.887	25.803	-20.197	46.000
533.275	-0.578	28.791	28.213	-17.787	46.000
761.014	2.352	28.708	31.060	-14.940	46.000
970.478	7.689	28.777	36.466	-17.534	54.000

Note:

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
99.840	-7.471	43.136	35.665	-7.835	43.500
198.780	-10.661	44.208	33.547	-9.953	43.500
398.600	-2.268	40.350	38.082	-7.918	46.000
800.180	5.141	34.085	39.226	-6.774	46.000
889.420	6.262	31.782	38.044	-7.956	46.000
1000.000	9.119	39.978	49.097	-4.903	54.000
Vertical					
74.620	-5.082	36.760	31.678	-8.322	40.000
206.540	-7.705	43.168	35.463	-8.037	43.500
396.660	-4.356	37.716	33.360	-12.640	46.000
796.300	2.831	33.092	35.923	-10.077	46.000
961.200	7.260	34.335	41.595	-12.405	54.000
996.120	4.019	38.015	42.034	-11.966	54.000

Note:

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
99.840	-7.471	43.253	35.782	-7.718	43.500
208.480	-11.062	44.405	33.342	-10.158	43.500
398.600	-2.268	41.043	38.775	-7.225	46.000
598.420	3.991	31.362	35.353	-10.647	46.000
798.240	5.148	33.026	38.174	-7.826	46.000
1000.000	9.119	38.932	48.051	-5.949	54.000
Vertical					
113.420	-1.849	37.140	35.291	-8.209	43.500
210.420	-7.882	44.414	36.533	-6.967	43.500
340.400	-3.899	36.143	32.244	-13.756	46.000
400.540	-5.156	40.342	35.187	-10.813	46.000
796.300	2.831	32.804	35.635	-10.365	46.000
968.960	8.191	34.095	42.286	-11.714	54.000

Note:

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

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : General Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW_15Mbps(5G Band) (5755MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
94.020	-8.189	41.093	32.903	-10.597	43.500
348.160	-2.268	38.380	36.112	-9.888	46.000
476.200	-0.252	36.032	35.780	-10.220	46.000
598.420	3.991	33.141	37.132	-8.868	46.000
792.420	5.209	30.166	35.375	-10.625	46.000
984.480	7.679	37.813	45.492	-8.508	54.000
Vertical					
105.660	-0.253	38.041	37.788	-5.712	43.500
222.060	-8.789	44.202	35.413	-10.587	46.000
338.460	-4.265	37.272	33.007	-12.993	46.000
478.140	-4.431	36.230	31.799	-14.201	46.000
798.240	2.808	33.526	36.334	-9.666	46.000
1000.000	4.329	40.262	44.591	-9.409	54.000

Note:

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

Product : INTEL DUAL BAND WIRELESS–AC 7265
Test Item : General Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit - 802.11ac-80BW_32.5Mbps(5G Band) (5775MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
107.319	-6.999	30.377	23.379	-20.121	43.500
360.362	-1.631	29.609	27.979	-18.021	46.000
471.420	0.933	29.475	30.408	-15.592	46.000
582.478	3.461	28.820	32.281	-13.719	46.000
742.739	3.337	29.781	33.118	-12.882	46.000
962.043	6.549	29.299	35.847	-18.153	54.000
Vertical					
114.348	-2.256	30.339	28.083	-15.417	43.500
336.464	-4.639	29.367	24.727	-21.273	46.000
491.101	-2.944	30.065	27.120	-18.880	46.000
630.275	-3.916	30.263	26.347	-19.653	46.000
834.116	2.121	29.500	31.621	-14.379	46.000
938.145	6.120	29.789	35.909	-10.091	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	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
94.020	-8.189	42.531	34.341	-9.159	43.500
396.660	-2.296	38.093	35.797	-10.203	46.000
600.360	3.977	34.246	38.223	-7.777	46.000
800.180	5.141	34.681	39.822	-6.178	46.000
889.420	6.262	31.969	38.231	-7.769	46.000
996.120	7.669	39.029	46.698	-7.302	54.000
Vertical					
216.240	-8.317	43.365	35.048	-10.952	46.000
398.600	-4.678	38.878	34.200	-11.800	46.000
598.420	-2.979	33.926	30.947	-15.053	46.000
796.300	2.831	34.674	37.505	-8.495	46.000
965.080	7.932	35.430	43.362	-10.638	54.000
1000.000	4.329	41.264	45.593	-8.407	54.000

Note:

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
94.020	-8.189	42.031	33.841	-9.659	43.500
365.620	-1.329	35.806	34.477	-11.523	46.000
472.320	0.637	36.170	36.807	-9.193	46.000
596.480	4.017	33.401	37.418	-8.582	46.000
802.120	5.091	33.486	38.577	-7.423	46.000
986.420	7.773	39.344	47.117	-6.883	54.000
Vertical					
76.560	-5.258	36.496	31.238	-8.762	40.000
206.540	-7.705	43.569	35.864	-7.636	43.500
398.600	-4.678	38.878	34.200	-11.800	46.000
483.960	-3.548	35.764	32.217	-13.783	46.000
800.180	2.801	34.681	37.482	-8.518	46.000
1000.000	4.329	41.264	45.593	-8.407	54.000

Note:

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

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

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBµV	dBµV/m	dB	dBµV/m
Horizontal					
101.780	-7.141	39.745	32.604	-10.896	43.500
231.760	-8.338	42.546	34.208	-11.792	46.000
400.540	-2.276	37.843	35.567	-10.433	46.000
598.420	3.991	34.240	38.231	-7.769	46.000
800.180	5.141	34.950	40.091	-5.909	46.000
996.120	7.669	39.412	47.081	-6.919	54.000
Vertical					
206.540	-7.705	43.569	35.864	-7.636	43.500
344.280	-3.171	37.479	34.309	-11.691	46.000
485.900	-3.204	35.716	32.512	-13.488	46.000
796.300	2.831	34.674	37.505	-8.495	46.000
965.080	7.932	35.865	43.797	-10.203	54.000
1000.000	4.329	41.264	45.593	-8.407	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
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4. Measurement Level = Reading Level + Correct Factor.
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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.