

# **FCC Test Report**

# (Class II Permissive Change)

Product Name	Intel® Wireless-AC 9260
Model No	9260NGW
FCC ID.	2ABTU-9260NG

Applicant	RuggON Corporation
Address	4F, No. 298, Yang Guang St., Neihu Dist., Taipei City, Taiwan

Date of Receipt	Sep. 15, 2017
Issue Date	Sep. 09, 2020
Report No.	2060585R-E3032160654-D
Report Version	V1.0



The test results relate only to the samples tested.

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

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.



# Test Report

Issue Date: Sep. 09, 2020

Report No.: 2060585R-E3032160654-D



Product Name	Intel® Wireless-AC 9260
Applicant	RuggON Corporation
Address	4F, No. 298, Yang Guang St., Neihu Dist., Taipei City, Taiwan
Manufacturer	Intel Mobile Communications
Model No.	9260NGW
FCC ID.	2ABTU-9260NG
EUT Rated Voltage	DC 3.3V
EUT Test Voltage	AC 120V/60Hz
Trade Name	Intel
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2015
	ANSI C63.4: 2014, ANSI C63.10: 2013
	KDB 558074 D01 DTS Meas Guidance v04
Test Result	Complied

Documented By	:	peggy Tu
Tested By	:	(Adm. Assistant / Peggy Tu)
		(Engineer / Kevin Liu)
Approved By	:	Stant 3

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( Director / Vincent Lin )



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Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs - External Attachment 3: EUT Detailed Photographs - Internal



# **Revision History**

Report No.	Version	Description	<b>Issued Date</b>
2060585R-E3032160654-D	V1.0	Initial issue of report	Sep. 09, 2020



# 1. GENERAL INFORMATION

# 1.1. EUT Description

Product Name	Intel® Wireless-AC 9260
Trade Name	Intel
Model No.	9260NGW
FCC ID.	2ABTU-9260NG
Frequency Range	802.11b/g/n-20MHz:2412-2472MHz,802.11n-40MHz:2422-2462MHz
Number of Channels	802.11b/g/n-20MHz: 13, n-40MHz: 9
Data Speed	802.11b: 1-11Mbps, 802.11a/g: 6-54Mbps, 802.11n: up to 300Mbps
Type of Modulation	802.11b:DSSS, DBPSK, DQPSK, CCK
	802.11g/n: OFDM, BPSK, QPSK, 16QAM, 64QAM
Antenna Type	Dipole Antenna
Antenna Gain	Refer to the table "Antenna List"
Channel Control	Auto

# **Antenna List**

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	WIESON Technologies co., ltd	GY121HT0321-003-H (Main), (Aux)	Dipole	2.89dBi for 2.4 GHz

Note: The antenna of EUT conforms to FCC 15.203.



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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2412 MHz	Channel 02:	2417 MHz	Channel 03:	2422 MHz	Channel 04:	2427 MHz
Channel 05:	2432 MHz	Channel 06:	2437 MHz	Channel 07:	2442 MHz	Channel 08:	2447 MHz
Channel 09:	2452 MHz	Channel 10:	2457 MHz	Channel 11:	2462 MHz	Channel 12:	2467 MHz
Channel 13:	2472 MHz						

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

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

#### Note:

- 1. This device is an Intel® Wireless-AC 9260 with a built-in 802.11 a/b/g/n/ac Wireless LAN + BDR/EDR 2.1 + BLE 4.2 transceiver, this report for 2.4GHz WLAN.
- 2. This report is a copy report and the original report owner is the same. The original report number is 1790206R-RFUSP25V00-A, difference is modify the applicant and address.
- 3. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report.
- 4. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11b/g/n transmitter with Part 15 Subpart C Paragraph 15.247 of spread spectrum devices.
- 5. This is to request a Class II permissive change for FCC ID: 2ABTU-9260NG, originally granted on 07/06/2020.

The major change filed under this application is:

## Change #1:

Addition of new dipole type antenna is different from originally antenna type.

Manufacturer. WIESON, Part no. GY121HT0321-003-H.

Test Mode:	Mode 1 SISO A: Transmit (802.11b 1Mbps)
	Mode 1 SISO A: Transmit (802.11g 6Mbps)
	Mode 1 SISO A: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band)
	Mode 1 SISO A: Transmit - 802.11n-40BW_15Mbps(2.4G Band)
	Mode 2 SISO B: Transmit (802.11b 1Mbps)
	Mode 2 SISO B: Transmit (802.11g 6Mbps)
	Mode 2 SISO B: Transmit - 802.11n-20BW_7.2Mbps(2.4G Band)
	Mode 2 SISO B: Transmit - 802.11n-40BW_15Mbps(2.4G Band)
	Mode 3 MIMO: Transmit (802.11b 1Mbps)
	Mode 3 MIMO: Transmit (802.11g 6Mbps)
	Mode 3 MIMO: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)
	Mode 3 MIMO: Transmit - 802.11n-40BW_30Mbps(2.4G Band)



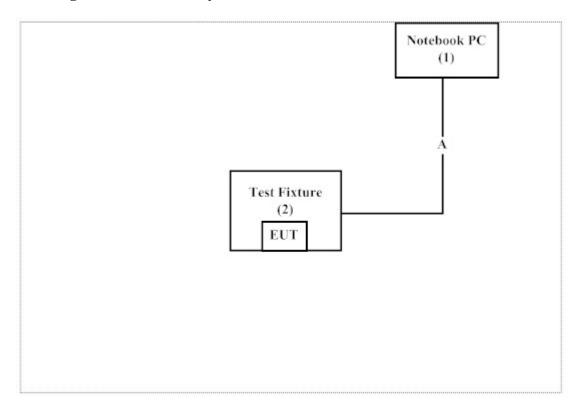
# **1.3.** Tested System Details

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

Pro	duct	Manufacturer	Model No.	Serial No.	Power Cord
(1)	Notebook PC	DELL	N/A	N/A	N/A
(2)	Test Fixture	Intel	N/A	N/A	N/A

	Signal Cable Type	Signal cable Description
A	Test Fixture Line	Non-Shielded, 1.0m

# 1.4. Configuration of Tested System



# 1.5. EUT Exercise Software

- (1) Setup the EUT as shown on 1.4
- (2) Execute software "DRTU (Ver 1.9.0-03789)" on the Notebook PC.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Start the continuous transmission.
- (5) Verify that the EUT works properly.

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# 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

Site Description: Accredited by TAF

Accredited Number: 3023

Site Name: DEKRA Testing and Certification Co., Ltd

Site Address: No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451,

Taiwan, R.O.C.

TEL: 886-2-8601-3788 / FAX: 886-2-8601-3789

E-Mail: info.tw@dekra.com

FCC Accreditation Number: TW1014



# 1.7. List of Test Equipment

#### For Conducted measurements /ASR4

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Spectrum Analyzer	R&S	FSV30	103464	2017.01.09	2018.01.08
X	Power Meter	Anritsu	ML2496A	1548003	2016.12.15	2017.12.14
X	Power Sensor	Anritsu	MA2411B	1531024	2016.12.15	2017.12.14
X	Power Sensor	Anritsu	MA2411B	1531025	2016.12.15	2017.12.14
	Bluetooth Tester	R&S	CBT	101238	2017.01.03	2018.01.02

#### Note:

- 1. All equipments are calibrated every one year.
- 2. The test instruments marked with "X" are used to measure the final test results.
- 3. Test Software version : QuieTek Conduction Test System V8.0.110

## For Radiated measurements /ACB1

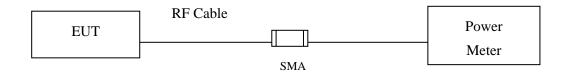
	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Loop Antenna	TESEQ	HLA6121	37133	2016.03.18	2018.03.17
X	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-674	2017.02.13	2018.02.12
X	Horn Antenna	ETS-Lindgren	3117	00203800	2017.11.10	2018.11.09
X	Horn Antenna	Com-Power	AH-840	101087	2017.05.24	2018.05.23
X	Pre-Amplifier	EMCI	EMC001330	980316	2017.05.16	2018.05.15
X	Pre-Amplifier	EMCI	EMC051835SE	980311	2017.05.17	2018.05.16
X	Pre-Amplifier	EMCI	EMC05820SE	980310	2017.05.17	2018.05.16
X	Pre-Amplifier	EMCI	EMC184045SE	980314	2017.05.17	2018.05.16
X	Filter	MICRO TRONICS	BRM50702	G251	2017.08.30	2018.08.29
	Filter	MICRO TRONICS	BRM50716	G188	2017.08.30	2018.08.29
X	EMI Test Receiver	R&S	ESR7	101602	2016.12.15	2017.12.14
X	Spectrum Analyzer	R&S	FSV40	101148	2017.01.24	2018.01.23
X	Coaxial Cable	SUHNER	SUCOFLEX 106	RF002	2017.05.25	2018.05.24
X	Mircoflex Cable	HUBER SUHNER	SUCOFLEX 102	MY3381/2	2017.08.11	2018.08.10

- 1. Loop Antenna is calibrated every two year, the other equipments are calibrated every one year.
- 2. The test instruments marked with "X" are used to measure the final test results.
- 3. Test Software version : QuieTek EMI 2.0 V2.1.113



# 2. Maximum Conducted Power

# 2.1. Test Setup



# 2.2. Limits

The maximum average power shall be less 1 Watt. (Section 15.247 (b)(3))

## 2.3. 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 v03r05 section 9.1.2 PKPM1 Peak power meter method.

# 2.4. Uncertainty

 $\pm 0.86 dB$ 



# 2.5. Test Result of Maximum Conducted Power

Product : Intel® Wireless-AC 9260
Test Item : Maximum Conducted Power

Test Date : 2017/10/24

Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps)

Channel N	Frequency (MHz)	For d	Average	e Power ata Rate (M	Ibps)	Peak Power	Required	Dogult	
Channel No		1	2	5.5	11	1	Limit	Result	
			Measur	ement Lev	rel (dBm)				
01	2412	19.33				21.58	<30dBm	Pass	
07	2442	20.9	20.83	20.76	20.69	22.7	<30dBm	Pass	
11	2462	19.95				22.2	<30dBm	Pass	
12	2467	17.36				19.79	<30dBm	Pass	
13	2472	14.84				17.22	<30dBm	Pass	



Test Date : 2017/10/24

Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps)

	Frequency (MHz)		F	or diffe	Peak Power	Required						
Channel No		6	9	12	18	24	36	48	54	6	Limit	Result
01	2412	16.45		1		1	1		1	20.74	<30dBm	Pass
07	2442	20.95	20.88	20.81	20.74	20.67	20.6	20.53	20.46	23.44	<30dBm	Pass
11	2462	16.95							-	21.53	<30dBm	Pass
12	2467	13.45							-	18.01	<30dBm	Pass
13	2472	-5.32								-0.83	<30dBm	Pass



Test Date : 2017/10/24

Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band)

	Frequency (MHz)		Average Power Peak For different Data Rate (Mbps) Power									
Channel No		7.2	14.4	21.7	28.9	43.3	57.8	65	72.2	7.2	Required Limit	Result
01	2412	15.93		1	I	1	1	I		20.52	<30dBm	Pass
07	2442	20.44	20.37	20.3	20.23	20.16	20.09	20.02	19.95	23.37	<30dBm	Pass
11	2462	15.97		1	I	1	1	I		20.45	<30dBm	Pass
12	2467	13.47		1	I	1	1	I		18.48	<30dBm	Pass
13	2472	-5.74								-0.91	<30dBm	Pass



Test Date : 2017/10/24

Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band)

	Frequency (MHz)		F	or diffe	Peak Power	Required						
Channel No		15	30	45	60	90	120	135	150	15	Limit	Result
03	2422	13.94		-		-	-	-		19.05	<30dBm	Pass
07	2442	15.9	15.83	15.76	15.69	15.62	15.55	15.48	15.41	21.04	<30dBm	Pass
09	2452	14.38		-		-	-	-		20.11	<30dBm	Pass
10	2457	10.93		1		1	1	1	-	17.23	<30dBm	Pass
11	2462	2.97								9.16	<30dBm	Pass



Test Date : 2017/10/24

Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps)

Channel No.	Frequency (MHz)	For d	Average		Ibps)	Peak Power	Required	Dagult
Channel No		1	2	5.5	11	1	Limit	Result
			Measur					
01	2412	19.94			-1	22.29	<30dBm	Pass
07	2442	20.97	20.9	20.83	20.76	22.98	<30dBm	Pass
11	2462	20.95	1		1	23.22	<30dBm	Pass
12	2467	17.93	-			20.4	<30dBm	Pass
13	2472	14.48				16.89	<30dBm	Pass



Test Date : 2017/10/24

Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps)

	Frequency (MHz)		F	or diffe	Peak Power	Required						
Channel No		6	9	12	18	24	36	48	54	6	Limit	Result
01	2412	16.93				1	1	1	1	21.47	<30dBm	Pass
07	2442	20.94	20.87	20.8	20.73	20.66	20.59	20.52	20.45	23.98	<30dBm	Pass
11	2462	16.48				1	1	1	1	20.93	<30dBm	Pass
12	2467	13.46								17.97	<30dBm	Pass
13	2472	-5.37								-0.9	<30dBm	Pass



Test Date : 2017/10/24

Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band)

	Frequency (MHz)		Average Power Peak For different Data Rate (Mbps) Power									
Channel No		7.2	14.4	21.7	28.9	43.3	57.8	65	72.2	7.2	Required Limit	Result
01	2412	16.46	I	I	1	1	1		1	21.02	<30dBm	Pass
07	2442	20.93	20.86	20.79	20.72	20.65	20.58	20.51	20.44	23.78	<30dBm	Pass
11	2462	16.4	I	I	1	1	1		1	21.29	<30dBm	Pass
12	2467	13.43	1	1			-		-	18.25	<30dBm	Pass
13	2472	-5.98								-1.52	<30dBm	Pass



Test Date : 2017/10/24

Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band)

Channel No	Frequency (MHz)		Average Power Peak For different Data Rate (Mbps) Power								Required	
		15	30	45	60	90	120	135	150	15	Limit	Result
			Measurement Level (dBm)									
03	2422	13.43	1	1	-	-		-		18.46	<30dBm	Pass
07	2442	15.93	15.86	15.79	15.72	15.65	15.58	15.51	15.44	20.94	<30dBm	Pass
09	2452	14.46	-	-			-			19.83	<30dBm	Pass
10	2457	10.95		-						17.77	<30dBm	Pass
11	2462	3.47								9.97	<30dBm	Pass



Test Date : 2017/10/24

Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band)

# **CHAIN A**

			Average Power Peak For different Data Rate (Mbps) Power								D a suring d	
Channel No	Frequency (MHz)	14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	14.4	Required Limit	Result
		Measurement Level (dBm)										
01	2412	14.47			1	-	-	-	-	19.08	<30dBm	Pass
07	2442	17.47	17.4	17.33	17.26	17.19	17.12	17.05	16.98	21.8	<30dBm	Pass
11	2462	14.47								19.39	<30dBm	Pass
12	2467	11.97								16.8	<30dBm	Pass
13	2472	-8.58			1			-	-	-2.47	<30dBm	Pass

## **CHAIN B**

CIMINID												
Channel No Frequenc (MHz)	Frequency		Average Power Port of different Data Rate (Mbps) Port of Data Rate (Mbps) Port of Data Rate (Mbps)								Required	
	(MHz)	14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	14.4	Limit	Result
			Measurement Level (dBm)									
01	2412	14.45						-		19.02	<30dBm	Pass
07	2442	17.42	17.35	17.28	17.21	17.14	17.07	17	16.93	21.94	<30dBm	Pass
11	2462	14.46								19.46	<30dBm	Pass
12	2467	11.94								16.84	<30dBm	Pass
13	2472	-8.59				-		-1	-	-2.54	<30dBm	Pass



# CHAIN A+B

Channel	Frequency	Data Rata	Chain A Power	Chain B Power	Chain A+B Power	Limit	Result
	(MHz)	(Mbps)	(dBm)	(dBm)	(dBm)	(dBm)	
01	2412	14.4	19.08	19.02	22.06	<30dBm	Pass
07	2442	14.4	21.80	21.94	24.88	<30dBm	Pass
11	2462	14.4	19.39	19.46	22.44	<30dBm	Pass
12	2467	14.4	16.80	16.84	19.83	<30dBm	Pass
13	2472	14.4	-2.47	-2.54	0.51	<30dBm	Pass

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



Test Date : 2017/10/24

Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band)

# **CHAIN A**

			Average Power For different Data Rate (Mbps)								Daguinad	
Channel No	Frequency (MHz)	30	60	90	120	180	240	270	300	30	Required  Limit	Result
			Measurement Level (dBm)									
03	2422	11.46	1	-	-	-		-		16.54	<30dBm	Pass
07	2442	14.47	14.4	14.33	14.26	14.19	14.12	14.05	13.98	19.64	<30dBm	Pass
09	2452	13.47	1	1	I	1	1	1		18.75	<30dBm	Pass
10	2457	10.48	1	1	I	1	1	1		16.87	<30dBm	Pass
11	2462	2.44	1	-	1	1	-	1		9.54	<30dBm	Pass

# **CHAIN B**

	Frequency (MHz)		Average Power Pea For different Data Rate (Mbps) Pow								Required	
Channel No		30	60	90	120	180	240	270	300	30	Limit	Result
			Measurement Level (dBm)									
03	2422	11.47	1		1	1	1	1	1	16.87	<30dBm	Pass
07	2442	14.44	14.37	14.3	14.23	14.16	14.09	14.02	13.95	19.73	<30dBm	Pass
09	2452	13.38	1		I	1	1	1	1	18.87	<30dBm	Pass
10	2457	10.43	1		1	1	1	1	1	17.44	<30dBm	Pass
11	2462	2.43	-					-	-	9.6	<30dBm	Pass



# CHAIN A+B

Channel	Frequency	Data Rata	Chain A Power	Chain B Power	Chain A+B Power	Limit	Result
	(MHz)	(Mbps)	(dBm)	(dBm)	(dBm)	(dBm)	
03	2422	30	16.54	16.87	19.72	<30dBm	Pass
07	2442	30	19.64	19.73	22.70	<30dBm	Pass
09	2452	30	18.75	18.87	21.82	<30dBm	Pass
10	2457	30	16.87	17.44	20.17	<30dBm	Pass
11	2462	30	9.54	9.60	12.58	<30dBm	Pass

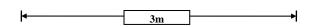
Note: Peak Power Output Value (dBm) = 10\*LOG (Chain A (mW)+ Chain B (mW))

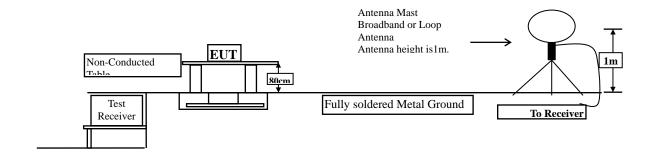


## 3. Radiated Emission

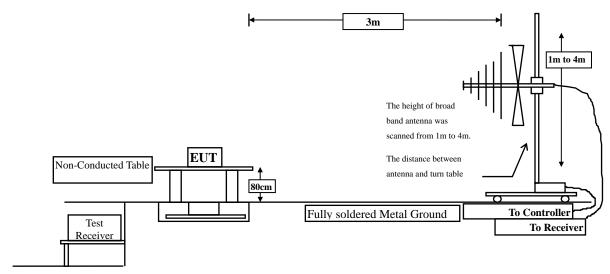
# 3.1. Test Setup

Radiated Emission Under 30MHz

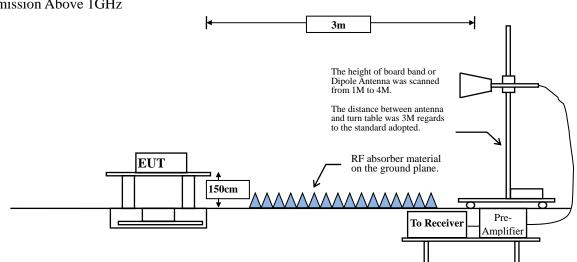




Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



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# 3.2. 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	FCC Part 15 Subpart C Paragraph 15.209(a) Limits									
Frequency MHz	Field strength	Measurement distance								
WIII	(microvolts/meter)	(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  $(dBuV/m) = 20 \log E$  field strength (uV/m)



#### 3.3. 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.

# 3.4. Uncertainty

Horizontal:

30-300MHz: ±4.08dB; 300M-1GHz: ±3.86dB; 1-18GHz: ±3.77dB; 18-40GHz: ±3.98dB •

Vertical:

30-300MHz:  $\pm 4.81$ dB; 300M-1GHz:  $\pm 3.87$ dB; 1-18GHz:  $\pm 3.83$ dB; 18-40GHz:  $\pm 3.98$ dB  $\circ$ 



#### 3.5. Test Result of Radiated Emission

Product : Intel® Wireless-AC 9260

Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4824.000	-2.866	45.690	42.824	-31.176	74.000
7236.000	0.381	44.390	44.771	-29.229	74.000
9648.000	2.391	42.630	45.021	-28.979	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4824.000	-2.866	45.560	42.694	-31.306	74.000
7236.000	0.381	44.100	44.481	-29.519	74.000
9648.000	2.391	42.670	45.061	-28.939	74.000
Average Detector:					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4874.000	-2.835	45.550	42.714	-31.286	74.000
7311.000	0.465	44.610	45.075	-28.925	74.000
9748.000	2.590	43.360	45.949	-28.051	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4874.000	-2.835	44.590	41.754	-32.246	74.000
7311.000	0.465	44.640	45.105	-28.895	74.000
9748.000	2.590	43.310	45.899	-28.101	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) (2462 MHz)

Correct	Reading	Measurement	Margin	Limit
Factor	Level	Level		
dB	dBuV	dBuV/m	dB	dBuV/m
-2.796	45.050	42.254	-31.746	74.000
0.489	43.360	43.849	-30.151	74.000
2.729	43.070	45.800	-28.200	74.000
-2.796	44.580	41.784	-32.216	74.000
0.489	43.250	43.739	-30.261	74.000
2.729	42.920	45.650	-28.350	74.000
	Factor dB -2.796 0.489 2.729 -2.796 0.489	Factor Level dBuV  -2.796 45.050 0.489 43.360 2.729 43.070  -2.796 44.580 0.489 43.250	Factor Level dBuV/m  -2.796 45.050 42.254 0.489 43.360 43.849 2.729 43.070 45.800  -2.796 44.580 41.784 0.489 43.250 43.739	Factor Level dBuV/m dB  -2.796

## **Average Detector:**

--

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) (2467 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4934.000	-2.799	47.040	44.241	-29.759	74.000
7401.000	0.489	45.200	45.689	-28.311	74.000
9868.000	2.768	44.510	47.277	-26.723	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4934.000	-2.799	46.930	44.131	-29.869	74.000
7401.000	0.489	45.630	46.119	-27.881	74.000
9868.000	2.768	45.280	48.047	-25.953	74.000

## **Average Detector:**

--

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) (2472 MHz)

Correct	Reading	Measurement	Margin	Limit
Factor	Level	Level		
dB	dBuV	dBuV/m	dB	dBuV/m
-2.793	47.230	44.437	-29.563	74.000
0.496	45.400	45.897	-28.103	74.000
2.822	45.120	47.943	-26.057	74.000
-2.793	47.260	44.467	-29.533	74.000
0.496	45.770	46.267	-27.733	74.000
2.822	44.610	47.433	-26.567	74.000
	Factor dB -2.793 0.496 2.822 -2.793 0.496	Factor Level dBuV  -2.793 47.230 0.496 45.400 2.822 45.120  -2.793 47.260 0.496 45.770	Factor Level Level dB dBuV dBuV/m  -2.793 47.230 44.437 0.496 45.400 45.897 2.822 45.120 47.943  -2.793 47.260 44.467 0.496 45.770 46.267	Factor Level dBuV dBuV/m dB  -2.793 47.230 44.437 -29.563 0.496 45.400 45.897 -28.103 2.822 45.120 47.943 -26.057  -2.793 47.260 44.467 -29.533 0.496 45.770 46.267 -27.733

## **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-2.866	47.760	44.894	-29.106	74.000
7236.000	0.381	46.080	46.461	-27.539	74.000
9648.000	2.391	43.910	46.301	-27.699	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4824.000	-2.866	47.790	44.924	-29.076	74.000
7236.000	0.381	46.250	46.631	-27.369	74.000
9648.000	2.391	43.970	46.361	-27.639	74.000
Average Detector:					

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4874.000	-2.835	47.210	44.374	-29.626	74.000
7311.000	0.465	46.350	46.815	-27.185	74.000
9748.000	2.590	45.710	48.299	-25.701	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4874.000	-2.835	47.120	44.284	-29.716	74.000
7311.000	0.465	46.050	46.515	-27.485	74.000
9748.000	2.590	45.510	48.099	-25.901	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4924.000	-2.796	47.470	44.674	-29.326	74.000
7386.000	0.489	45.380	45.869	-28.131	74.000
9848.000	2.729	44.470	47.200	-26.800	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4924.000	-2.796	46.890	44.094	-29.906	74.000
7386.000	0.489	45.610	46.099	-27.901	74.000
9848.000	2.729	45.220	47.950	-26.050	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) (2467 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4934.000	-2.799	47.640	44.841	-29.159	74.000
7401.000	0.489	45.910	46.399	-27.601	74.000
9868.000	2.768	44.510	47.277	-26.723	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4934.000	-2.799	46.450	43.651	-30.349	74.000
7401.000	0.489	45.700	46.189	-27.811	74.000
9868.000	2.768	44.580	47.347	-26.653	74.000
<b>Average Detector:</b>					

--

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) (2472 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4944.000	-2.793	46.680	43.887	-30.113	74.000
7416.000	0.496	45.530	46.027	-27.973	74.000
9888.000	2.822	44.600	47.423	-26.577	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4944.000	-2.793	46.500	43.707	-30.293	74.000
7416.000	0.496	45.290	45.787	-28.213	74.000
9888.000	2.822	44.710	47.533	-26.467	74.000
<b>Average Detector:</b>					

#### \_\_

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-2.866	47.540	44.674	-29.326	74.000
7236.000	0.381	46.400	46.781	-27.219	74.000
9648.000	2.391	44.110	46.501	-27.499	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4824.000	-2.866	47.310	44.444	-29.556	74.000
7236.000	0.381	45.650	46.031	-27.969	74.000
9648.000	2.391	44.080	46.471	-27.529	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4874.000	-2.835	47.030	44.194	-29.806	74.000
7311.000	0.465	46.030	46.495	-27.505	74.000
9748.000	2.590	45.590	48.179	-25.821	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4874.000	-2.835	46.440	43.604	-30.396	74.000
7311.000	0.465	46.000	46.465	-27.535	74.000
9748.000	2.590	45.690	48.279	-25.721	74.000

## Average Detector:

--

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4924.000	-2.796	46.680	43.884	-30.116	74.000
7386.000	0.489	45.340	45.829	-28.171	74.000
9848.000	2.729	44.340	47.070	-26.930	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4924.000	-2.796	47.010	44.214	-29.786	74.000
7386.000	0.489	45.920	46.409	-27.591	74.000
9848.000	2.729	44.700	47.430	-26.570	74.000

### **Average Detector:**

--

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2467 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4934.000	-2.799	46.660	43.861	-30.139	74.000
7401.000	0.489	45.300	45.789	-28.211	74.000
9868.000	2.768	44.450	47.217	-26.783	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4934.000	-2.799	46.990	44.191	-29.809	74.000
7401.000	0.489	45.780	46.269	-27.731	74.000
9868.000	2.768	44.720	47.487	-26.513	74.000

### Note:

**Average Detector:** 

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2472 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4944.000	-2.793	47.290	44.497	-29.503	74.000
7416.000	0.496	45.860	46.357	-27.643	74.000
9888.000	2.822	44.660	47.483	-26.517	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4944.000	-2.793	46.490	43.697	-30.303	74.000
7416.000	0.496	45.760	46.257	-27.743	74.000
9888.000	2.822	44.590	47.413	-26.587	74.000

### **Average Detector:**

--

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2422MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4844.000	-2.852	47.480	44.628	-29.372	74.000
7266.000	0.426	46.190	46.616	-27.384	74.000
9688.000	2.479	44.620	47.099	-26.901	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4844.000	-2.852	46.740	43.888	-30.112	74.000
7266.000	0.426	46.170	46.596	-27.404	74.000
9688.000	2.479	44.370	46.849	-27.151	74.000

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4874.000	-2.835	46.840	44.004	-29.996	74.000
7311.000	0.465	46.010	46.475	-27.525	74.000
9748.000	2.590	45.030	47.619	-26.381	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4874.000	-2.835	46.510	43.674	-30.326	74.000
7311.000	0.465	46.870	47.335	-26.665	74.000
9748.000	2.590	46.170	48.759	-25.241	74.000

### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2452 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4904.000	-2.828	46.700	43.872	-30.128	74.000
7356.000	0.473	45.560	46.032	-27.968	74.000
9808.000	2.719	45.050	47.770	-26.230	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4904.000	-2.828	46.660	43.832	-30.168	74.000
7356.000	0.473	45.080	45.552	-28.448	74.000
9808.000	2.719	45.110	47.830	-26.170	74.000

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**Average Detector:** 

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2457 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4914.000	-2.803	47.300	44.497	-29.503	74.000
7371.000	0.480	44.890	45.371	-28.629	74.000
9828.000	2.766	45.160	47.926	-26.074	74.000
Average Detector:					
Vertical					
Peak Detector:					
4914.000	-2.803	46.920	44.117	-29.883	74.000
7371.000	0.480	46.120	46.601	-27.399	74.000
9828.000	2.766	45.000	47.766	-26.234	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4924.000	-2.796	47.370	44.574	-29.426	74.000
7386.000	0.489	45.130	45.619	-28.381	74.000
9848.000	2.729	45.100	47.830	-26.170	74.000
Average Detector:					
Vertical					
Peak Detector:					
4924.000	-2.796	47.780	44.984	-29.016	74.000
7386.000	0.489	46.310	46.799	-27.201	74.000
9848.000	2.729	44.940	47.670	-26.330	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-2.866	46.910	44.044	-29.956	74.000
7236.000	0.381	46.570	46.951	-27.049	74.000
9648.000	2.391	44.140	46.531	-27.469	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4824.000	-2.866	47.330	44.464	-29.536	74.000
7236.000	0.381	45.900	46.281	-27.719	74.000
9648.000	2.391	44.800	47.191	-26.809	74.000

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4874.000	-2.835	47.640	44.804	-29.196	74.000
7311.000	0.465	46.770	47.235	-26.765	74.000
9748.000	2.590	45.680	48.269	-25.731	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4874.000	-2.835	46.750	43.914	-30.086	74.000
7311.000	0.465	46.290	46.755	-27.245	74.000
9748.000	2.590	45.530	48.119	-25.881	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) (2462 MHz)

Correct	Reading	Measurement	Margin	Limit
Factor	Level	Level		
dB	dBuV	dBuV/m	dB	dBuV/m
-2.796	47.200	44.404	-29.596	74.000
0.489	45.610	46.099	-27.901	74.000
2.729	45.310	48.040	-25.960	74.000
-2.796	47.030	44.234	-29.766	74.000
0.489	45.310	45.799	-28.201	74.000
2.729	44.790	47.520	-26.480	74.000
	Factor dB -2.796 0.489 2.729 -2.796 0.489	Factor Level dBuV  -2.796 47.200 0.489 45.610 2.729 45.310  -2.796 47.030 0.489 45.310	Factor Level Level dB dBuV dBuV/m  -2.796 47.200 44.404 0.489 45.610 46.099 2.729 45.310 48.040  -2.796 47.030 44.234 0.489 45.310 45.799	Factor Level dBuV/m dB  -2.796 47.200 44.404 -29.596 0.489 45.610 46.099 -27.901 2.729 45.310 48.040 -25.960  -2.796 47.030 44.234 -29.766 0.489 45.310 45.799 -28.201

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) (2467 MHz)

Correct	Reading	Measurement	Margin	Limit
Factor	Level	Level		
dB	dBuV	dBuV/m	dB	dBuV/m
-2.799	47.010	44.211	-29.789	74.000
0.489	45.440	45.929	-28.071	74.000
2.768	44.190	46.957	-27.043	74.000
-2.799	47.060	44.261	-29.739	74.000
0.489	45.720	46.209	-27.791	74.000
2.768	45.600	48.367	-25.633	74.000
	Factor dB -2.799 0.489 2.768 -2.799 0.489	Factor Level dBuV  -2.799 47.010 0.489 45.440 2.768 44.190  -2.799 47.060 0.489 45.720	Factor Level Level dB dBuV dBuV/m  -2.799 47.010 44.211 0.489 45.440 45.929 2.768 44.190 46.957  -2.799 47.060 44.261 0.489 45.720 46.209	Factor Level dBuV dBuV/m dB  -2.799 47.010 44.211 -29.789 0.489 45.440 45.929 -28.071 2.768 44.190 46.957 -27.043  -2.799 47.060 44.261 -29.739 0.489 45.720 46.209 -27.791

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) (2472 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4944.000	-2.793	47.620	44.827	-29.173	74.000
7416.000	0.496	45.830	46.327	-27.673	74.000
9888.000	2.822	45.370	48.193	-25.807	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4944.000	-2.793	47.480	44.687	-29.313	74.000
7416.000	0.496	45.490	45.987	-28.013	74.000
9888.000	2.822	45.070	47.893	-26.107	74.000

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-2.866	48.040	45.174	-28.826	74.000
7236.000	0.381	45.650	46.031	-27.969	74.000
9648.000	2.391	44.270	46.661	-27.339	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4824.000	-2.866	48.020	45.154	-28.846	74.000
7236.000	0.381	46.300	46.681	-27.319	74.000
9648.000	2.391	44.590	46.981	-27.019	74.000
Average Detector:					

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	-2.835	47.620	44.784	-29.216	74.000
7311.000	0.465	46.580	47.045	-26.955	74.000
9748.000	2.590	45.210	47.799	-26.201	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4874.000	-2.835	47.420	44.584	-29.416	74.000
7311.000	0.465	46.570	47.035	-26.965	74.000
9748.000	2.590	45.160	47.749	-26.251	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-2.796	47.840	45.044	-28.956	74.000
7386.000	0.489	45.780	46.269	-27.731	74.000
9848.000	2.729	44.330	47.060	-26.940	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4924.000	-2.796	47.380	44.584	-29.416	74.000
7386.000	0.489	45.940	46.429	-27.571	74.000
9848.000	2.729	45.070	47.800	-26.200	74.000
Average Detectors					

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) (2467 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4934.000	-2.799	47.220	44.421	-29.579	74.000
7401.000	0.489	46.150	46.639	-27.361	74.000
9868.000	2.768	44.810	47.577	-26.423	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4934.000	-2.799	46.890	44.091	-29.909	74.000
7401.000	0.489	45.330	45.819	-28.181	74.000
9868.000	2.768	44.730	47.497	-26.503	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) (2472 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4944.000	-2.793	46.530	43.737	-30.263	74.000
7416.000	0.496	46.030	46.527	-27.473	74.000
9888.000	2.822	44.760	47.583	-26.417	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4944.000	-2.793	46.790	43.997	-30.003	74.000
7416.000	0.496	45.130	45.627	-28.373	74.000
9888.000	2.822	44.920	47.743	-26.257	74.000
<b>Average Detector:</b>					

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-2.866	47.480	44.614	-29.386	74.000
7236.000	0.381	46.810	47.191	-26.809	74.000
9648.000	2.391	44.610	47.001	-26.999	74.000
Average Detector:					
Vertical					
Peak Detector:					
4824.000	-2.866	46.800	43.934	-30.066	74.000
7236.000	0.381	45.840	46.221	-27.779	74.000
9648.000	2.391	44.360	46.751	-27.249	74.000
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#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	-2.835	47.550	44.714	-29.286	74.000
7311.000	0.465	45.740	46.205	-27.795	74.000
9748.000	2.590	45.990	48.579	-25.421	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4874.000	-2.835	46.370	43.534	-30.466	74.000
7311.000	0.465	45.920	46.385	-27.615	74.000
9748.000	2.590	45.520	48.109	-25.891	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4924.000	-2.796	46.940	44.144	-29.856	74.000
7386.000	0.489	45.850	46.339	-27.661	74.000
9848.000	2.729	44.620	47.350	-26.650	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4924.000	-2.796	47.140	44.344	-29.656	74.000
7386.000	0.489	45.310	45.799	-28.201	74.000
9848.000	2.729	45.270	48.000	-26.000	74.000

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**Average Detector:** 

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2467 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4934.000	-2.799	46.490	43.691	-30.309	74.000
7401.000	0.489	45.700	46.189	-27.811	74.000
9868.000	2.768	44.840	47.607	-26.393	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4934.000	-2.799	47.220	44.421	-29.579	74.000
7401.000	0.489	45.960	46.449	-27.551	74.000
9868.000	2.768	44.860	47.627	-26.373	74.000

**Average Detector:** 

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2472 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4944.000	-2.793	47.360	44.567	-29.433	74.000
7416.000	0.496	46.020	46.517	-27.483	74.000
9888.000	2.822	44.870	47.693	-26.307	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4944.000	-2.793	46.770	43.977	-30.023	74.000
7416.000	0.496	46.150	46.647	-27.353	74.000
9888.000	2.822	44.860	47.683	-26.317	74.000

Note:

**Average Detector:** 

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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2422MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4844.000	-2.852	47.720	44.868	-29.132	74.000
7266.000	0.426	46.430	46.856	-27.144	74.000
9688.000	2.479	44.400	46.879	-27.121	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4844.000	-2.852	46.530	43.678	-30.322	74.000
7266.000	0.426	45.900	46.326	-27.674	74.000
9688.000	2.479	44.650	47.129	-26.871	74.000
Average Detector:					

### Average Detector:

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4874.000	-2.835	46.340	43.504	-30.496	74.000
7311.000	0.465	47.040	47.505	-26.495	74.000
9748.000	2.590	45.240	47.829	-26.171	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4874.000	-2.835	46.090	43.254	-30.746	74.000
7311.000	0.465	47.110	47.575	-26.425	74.000
9748.000	2.590	46.130	48.719	-25.281	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2452 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4904.000	-2.828	46.940	44.112	-29.888	74.000
7356.000	0.473	45.470	45.942	-28.058	74.000
9808.000	2.719	45.830	48.550	-25.450	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4904.000	-2.828	46.810	43.982	-30.018	74.000
7356.000	0.473	45.640	46.112	-27.888	74.000
9808.000	2.719	45.490	48.210	-25.790	74.000
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## Average Detector:

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2457 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4914.000	-2.803	47.960	45.157	-28.843	74.000
7371.000	0.480	45.460	45.941	-28.059	74.000
9828.000	2.766	44.940	47.706	-26.294	74.000
Average Detector:					
Vertical					
Peak Detector:					
4914.000	-2.803	47.180	44.377	-29.623	74.000
7371.000	0.480	45.900	46.381	-27.619	74.000
9828.000	2.766	45.170	47.936	-26.064	74.000
<b>Average Detector:</b>					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/11

Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4924.000	-2.796	46.970	44.174	-29.826	74.000
7386.000	0.489	45.660	46.149	-27.851	74.000
9848.000	2.729	45.620	48.350	-25.650	74.000
Average Detector:					
Vertical					
Peak Detector:					
4924.000	-2.796	48.010	45.214	-28.786	74.000
7386.000	0.489	46.560	47.049	-26.951	74.000
9848.000	2.729	45.330	48.060	-25.940	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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-2.866	46.890	44.024	-29.976	74.000
7236.000	0.381	45.040	45.421	-28.579	74.000
9648.000	2.391	44.270	46.661	-27.339	74.000
Average Detector:					
Vertical					
Peak Detector:					
4824.000	-2.866	47.540	44.674	-29.326	74.000
7236.000	0.381	44.910	45.291	-28.709	74.000
9648.000	2.391	42.740	45.131	-28.869	74.000

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4874.000	-2.835	44.750	41.914	-32.086	74.000
7311.000	0.465	44.100	44.565	-29.435	74.000
9748.000	2.590	43.660	46.249	-27.751	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4874.000	-2.835	47.790	44.954	-29.046	74.000
7311.000	0.465	45.320	45.785	-28.215	74.000
9748.000	2.590	43.590	46.179	-27.821	74.000

## Average Detector:

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4924.000	-2.796	45.970	43.174	-30.826	74.000
7386.000	0.489	44.030	44.519	-29.481	74.000
9848.000	2.729	43.170	45.900	-28.100	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4924.000	-2.796	46.460	43.664	-30.336	74.000
7386.000	0.489	43.420	43.909	-30.091	74.000
9848.000	2.729	43.980	46.710	-27.290	74.000

### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) (2467 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4934.000	-2.799	46.150	43.351	-30.649	74.000
7401.000	0.489	44.830	45.319	-28.681	74.000
9868.000	2.768	43.730	46.497	-27.503	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4934.000	-2.799	46.310	43.511	-30.489	74.000
7401.000	0.489	45.200	45.689	-28.311	74.000
9868.000	2.768	44.080	46.847	-27.153	74.000

# Note:

**Average Detector:** 

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) (2472 MHz)

Correct	Reading	Measurement	Margin	Limit
Factor	Level	Level		
dB	dBuV	dBuV/m	dB	dBuV/m
-2.793	46.550	43.757	-30.243	74.000
0.496	45.330	45.827	-28.173	74.000
2.822	44.180	47.003	-26.997	74.000
-2.793	45.860	43.067	-30.933	74.000
0.496	45.090	45.587	-28.413	74.000
2.822	44.250	47.073	-26.927	74.000
	Factor dB -2.793 0.496 2.822 -2.793 0.496	Factor Level dBuV  -2.793 46.550 0.496 45.330 2.822 44.180  -2.793 45.860 0.496 45.090	Factor Level Level dB dBuV dBuV/m  -2.793 46.550 43.757 0.496 45.330 45.827 2.822 44.180 47.003  -2.793 45.860 43.067 0.496 45.090 45.587	Factor Level dBuV dBuV/m dB  -2.793 46.550 43.757 -30.243 0.496 45.330 45.827 -28.173 2.822 44.180 47.003 -26.997  -2.793 45.860 43.067 -30.933 0.496 45.090 45.587 -28.413

### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) (2422MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4844.000	-2.852	46.777	43.925	-30.075	74.000
7266.000	0.426	45.610	46.036	-27.964	74.000
9688.000	2.479	44.230	46.709	-27.291	74.000
Average Detector:					
Vertical					
Peak Detector:					
4844.000	-2.852	46.520	43.668	-30.332	74.000
7266.000	0.426	45.400	45.826	-28.174	74.000
9688.000	2.479	43.860	46.339	-27.661	74.000

#### **Average Detector:**

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
<b>Peak Detector:</b>					
4874.000	-2.835	46.330	43.494	-30.506	74.000
7311.000	0.465	45.400	45.865	-28.135	74.000
9748.000	2.590	44.720	47.309	-26.691	74.000
<b>Average Detector:</b>					
Vertical					
<b>Peak Detector:</b>					
4874.000	-2.835	45.970	43.134	-30.866	74.000
7311.000	0.465	46.220	46.685	-27.315	74.000
9748.000	2.590	45.350	47.939	-26.061	74.000
Average Detector:					

- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) (2452 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4904.000	-2.828	46.110	43.282	-30.718	74.000
7356.000	0.473	44.800	45.272	-28.728	74.000
9808.000	2.719	44.410	47.130	-26.870	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4904.000	-2.828	46.170	43.342	-30.658	74.000
7356.000	0.473	44.630	45.102	-28.898	74.000
9808.000	2.719	44.780	47.500	-26.500	74.000
Average Detector:					

#### Average Detector:

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) (2457 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
4914.000	-2.803	46.700	43.897	-30.103	74.000
7371.000	0.480	44.120	44.601	-29.399	74.000
9828.000	2.766	44.590	47.356	-26.644	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4914.000	-2.803	46.340	43.537	-30.463	74.000
7371.000	0.480	45.480	45.961	-28.039	74.000
9828.000	2.766	44.170	46.936	-27.064	74.000
<b>Average Detector:</b>					

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- 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.



Test Item : Harmonic Radiated Emission Data

Test Date : 2017/10/13

Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-2.796	46.580	43.784	-30.216	74.000
7386.000	0.489	44.760	45.249	-28.751	74.000
9848.000	2.729	44.630	47.360	-26.640	74.000
<b>Average Detector:</b>					
Vertical					
Peak Detector:					
4924.000	-2.796	47.000	44.204	-29.796	74.000
7386.000	0.489	45.720	46.209	-27.791	74.000
9848.000	2.729	44.280	47.010	-26.990	74.000
Average Detector:					

#### **Average Detector:**

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- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
161.920	-10.925	33.521	22.595	-20.905	43.500
327.790	-9.718	29.458	19.740	-26.260	46.000
464.560	-6.608	33.355	26.748	-19.252	46.000
581.930	-4.483	26.196	21.713	-24.287	46.000
747.800	-2.126	28.215	26.089	-19.911	46.000
903.970	-0.277	24.469	24.192	-21.808	46.000
Vertical					
143.490	-11.322	31.142	19.820	-23.680	43.500
265.710	-11.624	34.549	22.925	-23.075	46.000
373.380	-8.681	32.849	24.167	-21.833	46.000
519.850	-5.713	23.997	18.284	-27.716	46.000
690.570	-3.183	26.029	22.846	-23.154	46.000
851.590	-0.945	21.516	20.571	-25.429	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
154.160	-10.999	31.863	20.865	-22.635	43.500
271.530	-11.287	34.286	23.000	-23.000	46.000
388.900	-8.326	34.304	25.978	-20.022	46.000
511.120	-5.850	28.102	22.252	-23.748	46.000
672.140	-3.441	26.537	23.096	-22.904	46.000
842.860	-1.074	22.529	21.455	-24.545	46.000
Vertical					
164.830	-11.029	32.655	21.626	-21.874	43.500
277.350	-11.034	34.118	23.084	-22.916	46.000
394.720	-8.195	34.235	26.040	-19.960	46.000
516.940	-5.759	23.748	17.989	-28.011	46.000
658.560	-3.633	27.943	24.310	-21.690	46.000
805.030	-1.642	23.978	22.336	-23.664	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
154.160	-10.999	33.454	22.456	-21.044	43.500
290.930	-10.658	33.595	22.936	-23.064	46.000
427.700	-7.396	33.782	26.386	-19.614	46.000
549.920	-5.241	26.398	21.157	-24.843	46.000
696.390	-3.103	29.868	26.765	-19.235	46.000
852.560	-0.932	21.780	20.848	-25.152	46.000
Vertical					
161.920	-10.925	32.939	22.013	-21.487	43.500
288.990	-10.713	33.472	22.760	-23.240	46.000
420.910	-7.562	33.674	26.112	-19.888	46.000
557.680	-5.057	24.879	19.822	-26.178	46.000
679.900	-3.332	25.453	22.121	-23.879	46.000
840.920	-1.103	22.503	21.400	-24.600	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
149.310	-11.124	32.627	21.504	-21.996	43.500
261.830	-11.870	32.552	20.682	-25.318	46.000
384.050	-8.438	32.957	24.519	-21.481	46.000
545.070	-5.318	24.518	19.201	-26.799	46.000
686.690	-3.237	32.404	29.166	-16.834	46.000
867.110	-0.745	22.041	21.296	-24.704	46.000
Vertical					
165.800	-11.064	34.753	23.689	-19.811	43.500
278.320	-10.991	34.313	23.322	-22.678	46.000
410.240	-7.826	33.442	25.617	-20.383	46.000
547.010	-5.287	24.058	18.771	-27.229	46.000
717.730	-2.709	29.714	27.006	-18.994	46.000
888.450	-0.470	23.166	22.696	-23.304	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
155.130	-10.974	33.164	22.190	-21.310	43.500
316.150	-9.983	36.651	26.668	-19.332	46.000
438.370	-7.136	27.679	20.543	-25.457	46.000
594.540	-4.185	25.654	21.470	-24.530	46.000
736.160	-2.351	28.551	26.200	-19.800	46.000
887.480	-0.482	26.001	25.519	-20.481	46.000
Vertical					
168.710	-11.168	34.223	23.055	-20.445	43.500
305.480	-10.232	33.122	22.891	-23.109	46.000
437.400	-7.159	27.630	20.471	-25.529	46.000
579.020	-4.552	23.861	19.309	-26.691	46.000
715.790	-2.746	26.516	23.770	-22.230	46.000
852.560	-0.932	20.323	19.391	-26.609	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
155.130	-10.974	33.429	22.455	-21.045	43.500
272.500	-11.244	34.844	23.600	-22.400	46.000
370.470	-8.748	32.343	23.595	-22.405	46.000
507.240	-5.910	25.612	19.702	-26.298	46.000
663.410	-3.564	28.277	24.713	-21.287	46.000
834.130	-1.205	21.758	20.553	-25.447	46.000
Vertical					
161.920	-10.925	33.749	22.823	-20.677	43.500
293.840	-10.562	33.855	23.292	-22.708	46.000
411.210	-7.801	32.800	24.999	-21.001	46.000
572.230	-4.712	23.509	18.798	-27.202	46.000
713.850	-2.784	29.617	26.833	-19.167	46.000
870.020	-0.708	22.469	21.761	-24.239	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
141.550	-11.390	31.999	20.609	-22.891	43.500
283.170	-10.846	34.421	23.574	-22.426	46.000
385.990	-8.393	35.328	26.935	-19.065	46.000
571.260	-4.735	22.798	18.063	-27.937	46.000
717.730	-2.709	32.860	30.152	-15.848	46.000
844.800	-1.045	20.251	19.206	-26.794	46.000
Vertical					
149.310	-11.124	36.212	25.089	-18.411	43.500
315.180	-10.005	32.905	22.900	-23.100	46.000
447.100	-6.922	33.326	26.404	-19.596	46.000
598.420	-4.093	25.376	21.283	-24.717	46.000
706.090	-2.933	33.642	30.709	-15.291	46.000
842.860	-1.074	22.395	21.321	-24.679	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
161.920	-10.925	32.296	21.370	-22.130	43.500
293.840	-10.562	32.381	21.818	-24.182	46.000
420.910	-7.562	34.922	27.360	-18.640	46.000
562.530	-4.941	25.297	20.356	-25.644	46.000
713.850	-2.784	33.620	30.836	-15.164	46.000
850.620	-0.958	22.477	21.519	-24.481	46.000
Vertical					
157.070	-10.928	34.687	23.759	-19.741	43.500
298.690	-10.403	35.058	24.654	-21.346	46.000
411.210	-7.801	34.393	26.592	-19.408	46.000
591.630	-4.254	25.518	21.264	-24.736	46.000
742.950	-2.219	35.168	32.948	-13.052	46.000
879.720	-0.582	21.936	21.354	-24.646	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 3 MIMO: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
158.040	-10.904	34.827	23.923	-19.577	43.500
323.910	-9.806	33.883	24.077	-21.923	46.000
460.680	-6.671	33.152	26.482	-19.518	46.000
612.000	-3.983	22.806	18.824	-27.176	46.000
773.020	-1.920	33.872	31.952	-14.048	46.000
890.390	-0.444	21.709	21.265	-24.735	46.000
Vertical					
162.890	-10.960	34.775	23.814	-19.686	43.500
304.510	-10.255	35.557	25.302	-20.698	46.000
441.280	-7.066	33.800	26.734	-19.266	46.000
597.450	-4.115	23.701	19.585	-26.415	46.000
758.470	-2.023	33.089	31.066	-14.934	46.000
866.140	-0.757	22.880	22.123	-23.877	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 3 MIMO: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
156.100	-10.951	34.453	23.502	-19.998	43.500
307.420	-10.187	32.805	22.618	-23.382	46.000
419.940	-7.585	32.813	25.228	-20.772	46.000
580.960	-4.506	23.577	19.071	-26.929	46.000
722.580	-2.614	25.898	23.283	-22.717	46.000
869.050	-0.720	17.479	16.759	-29.241	46.000
Vertical					
157.070	-10.928	32.929	22.001	-21.499	43.500
298.690	-10.403	34.096	23.692	-22.308	46.000
416.060	-7.681	33.658	25.977	-20.023	46.000
557.680	-5.057	26.133	21.076	-24.924	46.000
723.550	-2.595	27.234	24.639	-21.361	46.000
865.170	-0.770	20.892	20.122	-25.878	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
153.190	-11.022	33.451	22.429	-21.071	43.500
289.960	-10.691	34.086	23.396	-22.604	46.000
402.480	-8.015	32.929	24.915	-21.085	46.000
558.650	-5.033	25.980	20.947	-25.053	46.000
705.120	-2.952	27.720	24.768	-21.232	46.000
861.290	-0.820	21.019	20.199	-25.801	46.000
Vertical					
152.220	-11.046	33.997	22.951	-20.549	43.500
288.990	-10.713	35.808	25.096	-20.904	46.000
416.060	-7.681	34.687	27.006	-18.994	46.000
567.380	-4.826	24.464	19.637	-26.363	46.000
709.000	-2.878	32.568	29.690	-16.310	46.000
860.320	-0.832	22.316	21.484	-24.516	46.000

- 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.



Test Item : General Radiated Emission Data

Test Date : 2017/10/03

Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
158.040	-10.904	32.412	21.508	-21.992	43.500
280.260	-10.913	34.290	23.377	-22.623	46.000
392.780	-8.239	32.612	24.373	-21.627	46.000
568.350	-4.804	25.936	21.132	-24.868	46.000
695.420	-3.116	34.379	31.263	-14.737	46.000
837.040	-1.161	21.937	20.776	-25.224	46.000
Vertical					
160.950	-10.890	32.723	21.832	-21.668	43.500
302.570	-10.300	33.881	23.582	-22.418	46.000
434.490	-7.230	32.782	25.552	-20.448	46.000
561.560	-4.966	26.474	21.509	-24.491	46.000
732.280	-2.426	27.811	25.385	-20.615	46.000
873.900	-0.658	21.145	20.487	-25.513	46.000

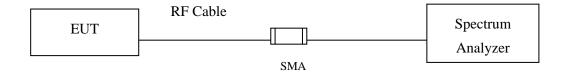
- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correct Factor.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



# 4. Band Edge

# 4.1. Test Setup

#### **RF Conducted Measurement**



# The height of board band or Dipole Antenna was scanned from IM to 4M. The distance between antenna and turn table was 3M regards to the standard adopted. RF absorber material on the ground plane. To Receiver Amplifier



#### 4.2. Limits

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

#### 4.3. Test Procedure

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

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

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

# 4.4. Uncertainty

Horizontal polarization: 1-18GHz: ±3.77dB

Vertical polarization: 1-18GHz: ±3.83dB



# 4.5. Test Result of Band Edge

Product : Intel® Wireless-AC 9260

Test Item : Band Edge Test Date : 2017/09/25

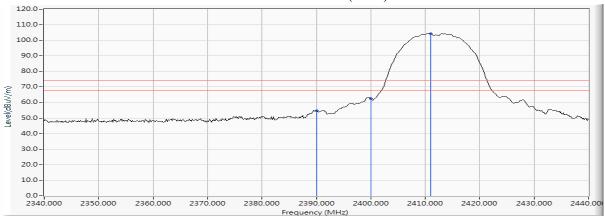
Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) 2412MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2390.000	12.148	42.591	54.739	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	50.198	62.374			
01 (Peak)	2411.014	12.201	92.045	104.246			
01 (Average)	2389.130	12.146	35.356	47.502	74.00	54.00	Pass
01 (Average)	2390.000	12.148	33.185	45.333	74.00	54.00	Pass
01 (Average)	2399.130	12.174	46.490	58.663			
01 (Average)	2400.000	12.176	46.043	58.219			
01 (Average)	2411.304	12.201	88.396	100.598			

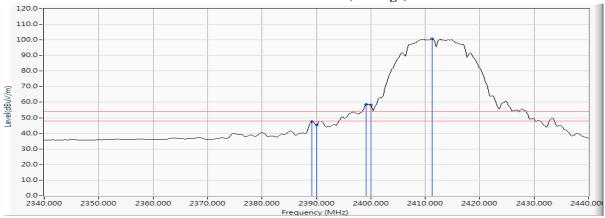
## **Figure Channel 01:**

# Horizontal (Peak)



#### Figure Channel 01:

#### **Horizontal** (Average)



- Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
  - 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
  - 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
  - 4. "\*", means this data is the worst emission level.
  - 5. Measurement Level = Reading Level + Correct Factor.
  - 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

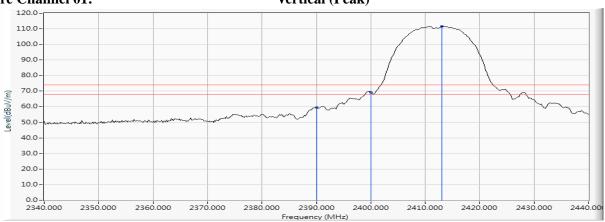
Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) 2412MHz

#### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chamier No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
01 (Peak)	2390.000	12.148	47.318	59.466	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	57.053	69.229	-		1
01 (Peak)	2413.043	12.206	99.299	111.505	-		1
01 (Average)	2388.986	12.145	41.115	53.260	74.00	54.00	Pass
01 (Average)	2390.000	12.148	39.110	51.258	74.00	54.00	Pass
01 (Average)	2399.130	12.174	53.783	65.956	-		1
01 (Average)	2400.000	12.176	52.920	65.096			
01 (Average)	2412.754	12.205	95.372	107.577			

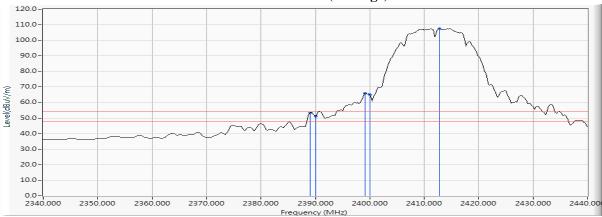
#### Figure Channel 01:

# Vertical (Peak)



#### Figure Channel 01:

#### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

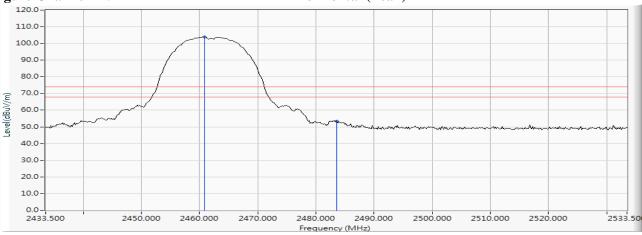
Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) 2462MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2460.891	12.337	91.446	103.784			
11 (Peak)	2483.500	12.403	41.061	53.464	74.00	54.00	Pass
11 (Average)	2461.181	12.339	87.797	100.136			
11 (Average)	2483.500	12.403	32.480	44.883	74.00	54.00	Pass

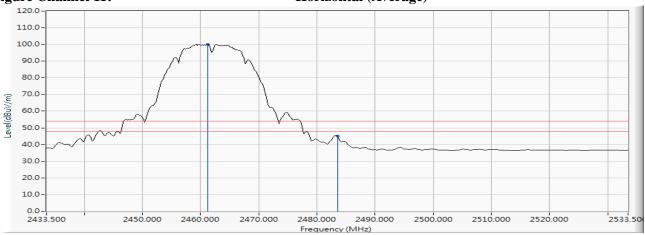
#### **Figure Channel 11:**

#### Horizontal (Peak)



# **Figure Channel 11:**

#### Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

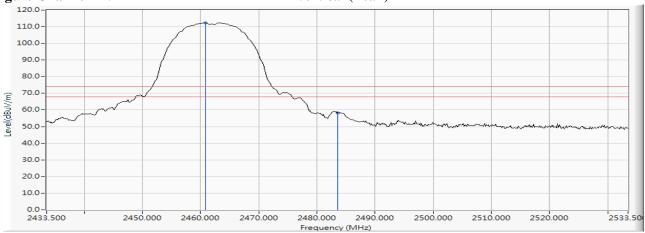
Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) 2462MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2460.891	12.337	99.957	112.295			
11 (Peak)	2483.500	12.403	45.918	58.321	74.00	54.00	Pass
11 (Average)	2461.181	12.339	96.265	108.604			
11 (Average)	2483.500	12.403	41.015	53.418	74.00	54.00	Pass

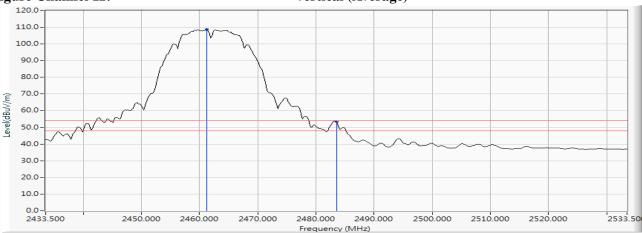
#### **Figure Channel 11:**

#### Vertical (Peak)



#### Figure Channel 11:

## Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

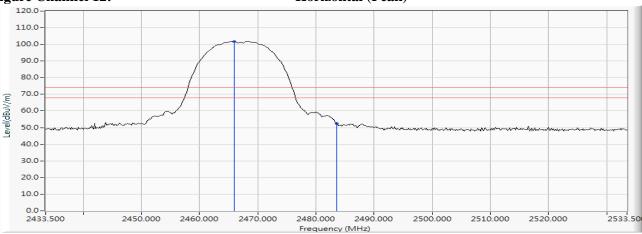
Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) 2467MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2465.964	12.353	89.389	101.742			
12 (Peak)	2483.500	12.403	40.197	52.600	74.00	54.00	Pass
12 (Average)	2466.254	12.353	85.828	98.181			
12 (Average)	2483.500	12.403	31.663	44.066	74.00	54.00	Pass

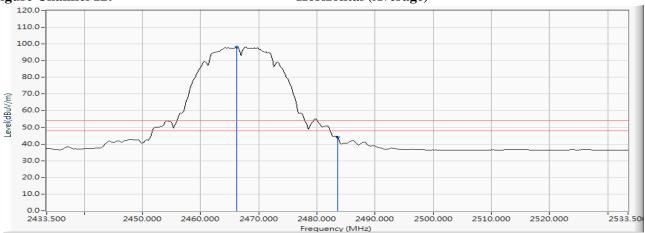
# **Figure Channel 12:**

#### Horizontal (Peak)



#### Figure Channel 12:

# Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

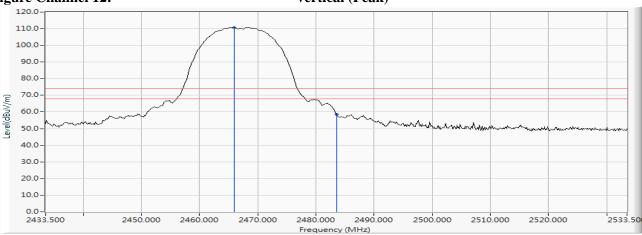
Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) 2467MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2465.964	12.353	98.404	110.757			-
12 (Peak)	2483.500	12.403	46.150	58.553	74.00	54.00	Pass
12 (Average)	2467.703	12.357	94.784	107.141			
12 (Average)	2483.500	12.403	41.020	53.423	74.00	54.00	Pass

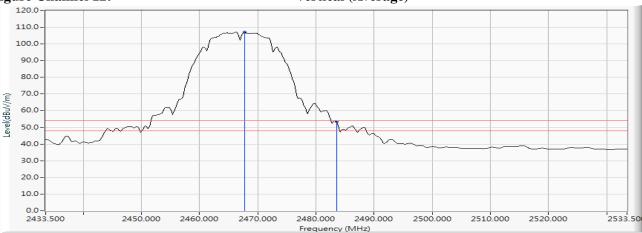
#### **Figure Channel 12:**

## Vertical (Peak)



#### Figure Channel 12:

# **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

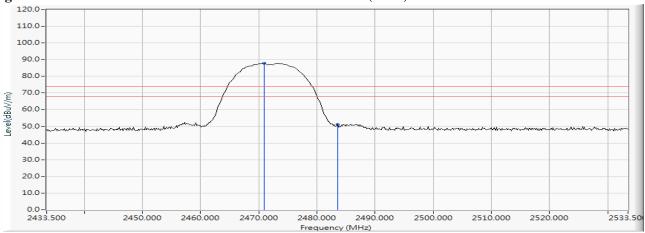
Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) 2472MHz

#### **RF** Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2470.891	12.367	75.407	87.774			
13 (Peak)	2483.500	12.403	38.790	51.193	74.00	54.00	Pass
13 (Average)	2472.630	12.372	71.790	84.162			
13 (Average)	2483.500	12.403	25.333	37.736	74.00	54.00	Pass
13 (Average)	2484.804	12.406	28.360	40.766	74.00	54.00	Pass

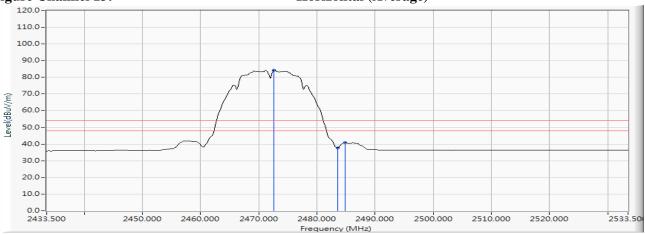
## Figure Channel 13:

#### Horizontal (Peak)



#### **Figure Channel 13:**

#### Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

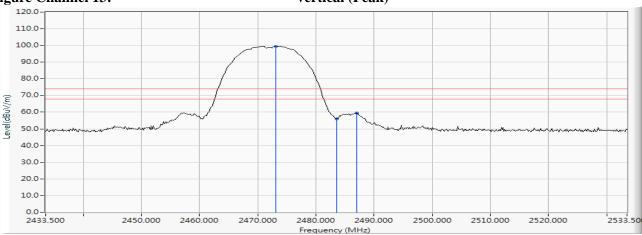
Test Mode : Mode 1 SISO A: Transmit (802.11b 1Mbps) 2472MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2473.065	12.373	87.185	99.558			
13 (Peak)	2483.500	12.403	43.672	56.075			
13 (Peak)	2486.978	12.413	47.213	59.625	74.00	54.00	Pass
13 (Average)	2472.775	12.372	83.484	95.856			
13 (Average)	2483.500	12.403	33.296	45.699	74.00	54.00	Pass
13 (Average)	2484.804	12.406	41.167	53.573	74.00	54.00	Pass

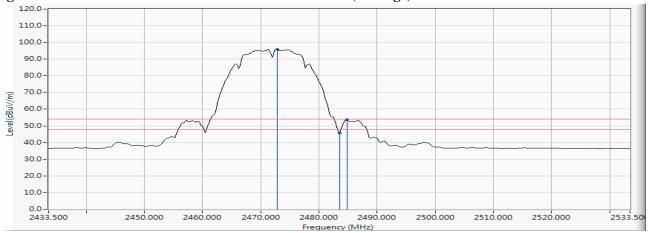
#### Figure Channel 13:

#### Vertical (Peak)



#### **Figure Channel 13:**

#### **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

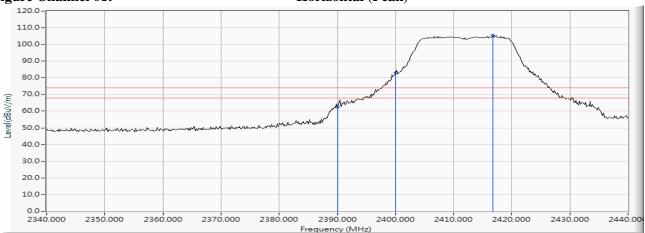
Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) 2412MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2390.000	12.148	50.400	62.548	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	70.867	83.043			
01 (Peak)	2416.812	12.214	93.269	105.484			
01(Average)	2390.000	12.148	31.720	43.868	74.00	54.00	Pass
01(Average)	2400.000	12.176	52.161	64.337			
01(Average)	2408.551	12.196	81.278	93.474			1

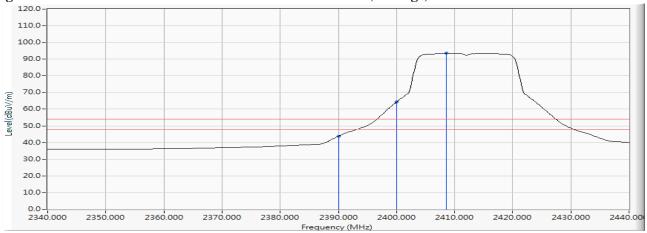
#### Figure Channel 01:

#### Horizontal (Peak)



#### Figure Channel 01:

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

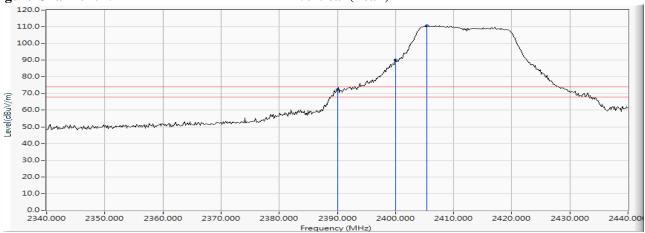
Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) 2412MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chainlei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
01 (Peak)	2390.000	12.148	60.249	72.397	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	77.870	90.046			
01 (Peak)	2405.362	12.189	98.493	110.682			
01 (Average)	2390.000	12.148	38.530	50.678	74.00	54.00	Pass
01 (Average)	2406.087	12.190	87.183	99.373			

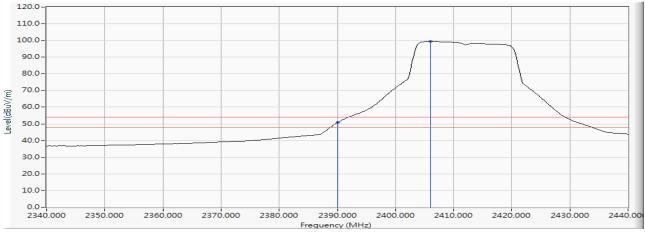
# Figure Channel 01:

# Vertical (Peak)



#### **Figure Channel 01:**

# Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

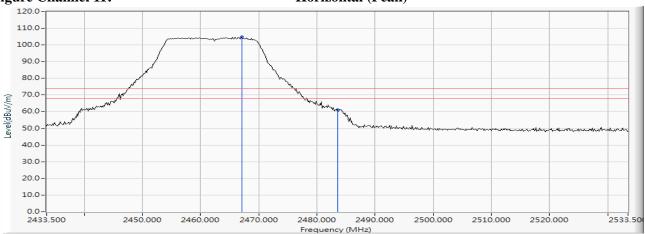
Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) 2462MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	D a sult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2467.123	12.355	92.363	104.719	1		
11 (Peak)	2483.500	12.403	48.739	61.142	74.00	54.00	Pass
11 (Average)	2456.833	12.327	80.839	93.166			
11 (Average)	2483.500	12.403	30.416	42.819	74.00	54.00	Pass

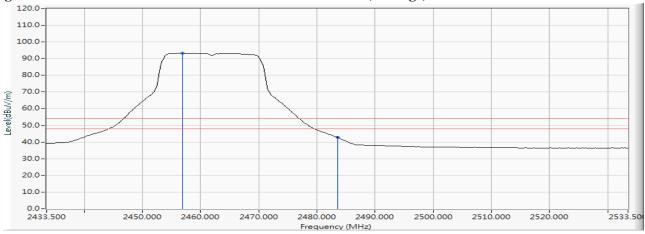
#### **Figure Channel 11:**

# Horizontal (Peak)



#### **Figure Channel 11:**

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

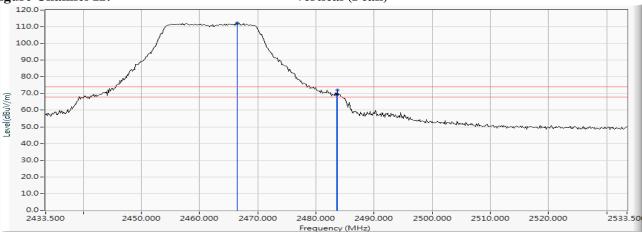
Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) 2462MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chainei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
11 (Peak)	2466.399	12.354	99.796	112.150			
11 (Peak)	2483.500	12.403	56.740	69.143	74.00	54.00	Pass
11 (Peak)	2483.645	12.403	59.639	72.042	74.00	54.00	Pass
11 (Average)	2456.688	12.327	88.178	100.505			
11 (Average)	2483.500	12.403	37.560	49.963	74.00	54.00	Pass

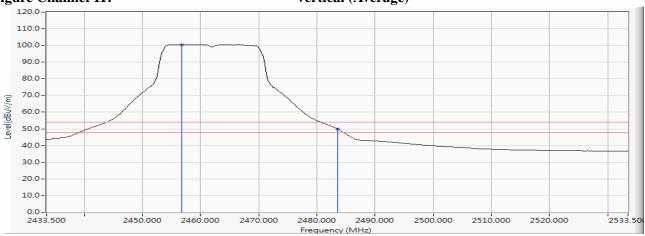


# Vertical (Peak)



#### Figure Channel 11:

#### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

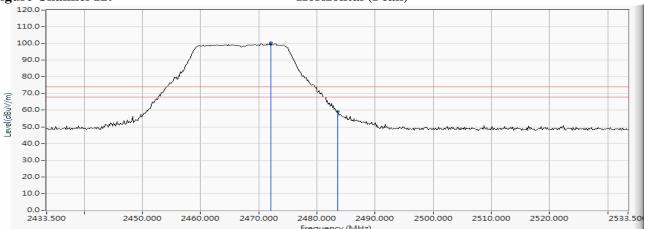
Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) 2467MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2472.051	12.370	88.041	100.411	-		
12 (Peak)	2483.500	12.403	46.790	59.193	74.00	54.00	Pass
12 (Average)	2469.877	12.364	76.013	88.377			
12 (Average)	2483.500	12.403	31.027	43.430	74.00	54.00	Pass

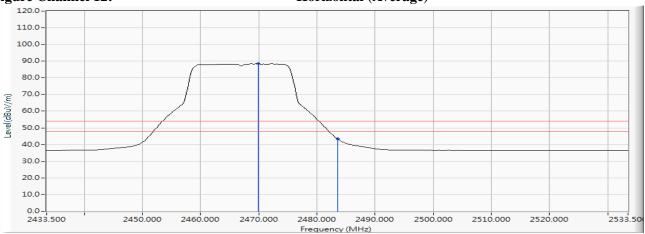
## Figure Channel 12:

#### Horizontal (Peak)



#### **Figure Channel 12:**

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

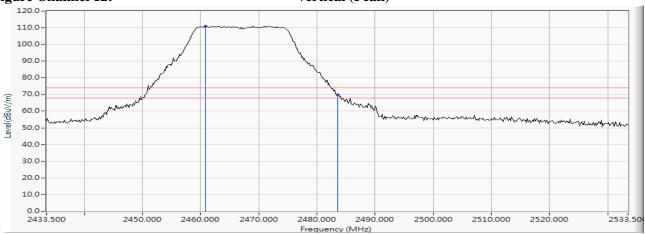
Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) 2467MHz

#### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2460.891	12.337	98.687	111.025	-		
12 (Peak)	2483.500	12.403	57.429	69.832	74.00	54.00	Pass
12 (Average)	2461.761	12.341	87.304	99.645			
12 (Average)	2483.500	12.403	41.450	53.853	74.00	54.00	Pass

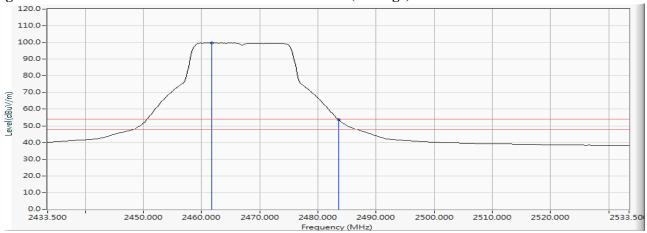
# Figure Channel 12:

# Vertical (Peak)



#### **Figure Channel 12:**

#### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

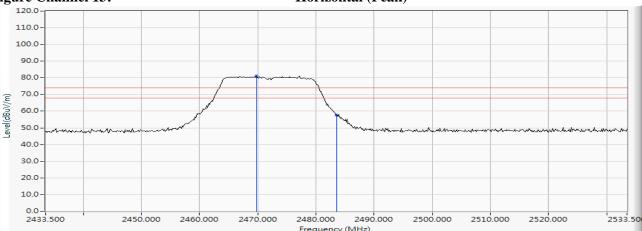
Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) 2472MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2469.732	12.363	68.622	80.985	-		
13 (Peak)	2483.500	12.403	45.128	57.531	74.00	54.00	Pass
13 (Average)	2466.688	12.355	57.669	70.024			
13 (Average)	2483.500	12.403	30.886	43.289	74.00	54.00	Pass

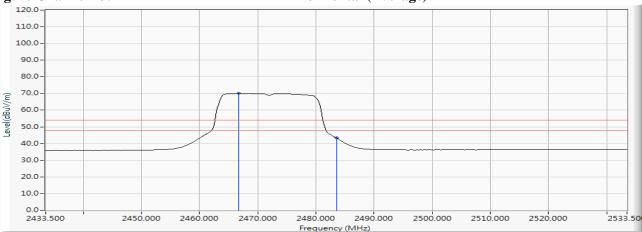
#### Figure Channel 13:

#### Horizontal (Peak)



## Figure Channel 13:

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

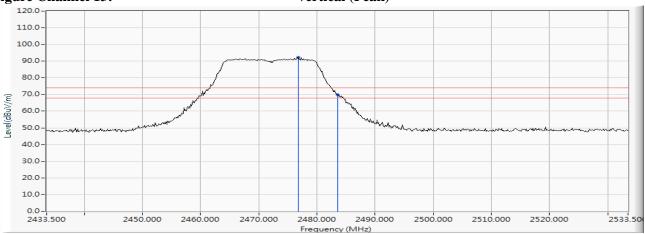
Test Mode : Mode 1 SISO A: Transmit (802.11g 6Mbps) 2472MHz

#### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2476.833	12.384	79.906	92.290			
13 (Peak)	2483.500	12.403	57.290	69.693	74.00	54.00	Pass
13 (Average)	2466.543	12.354	68.022	80.376			
13 (Average)	2483.500	12.403	41.099	53.502	74.00	54.00	Pass

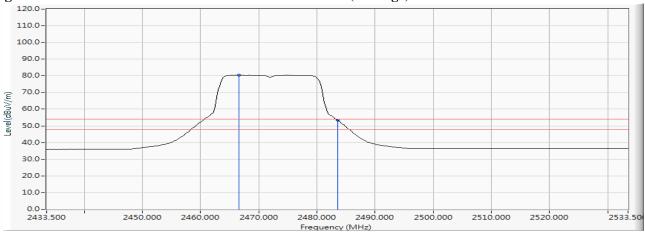
# Figure Channel 13:

# Vertical (Peak)



#### Figure Channel 13:

#### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

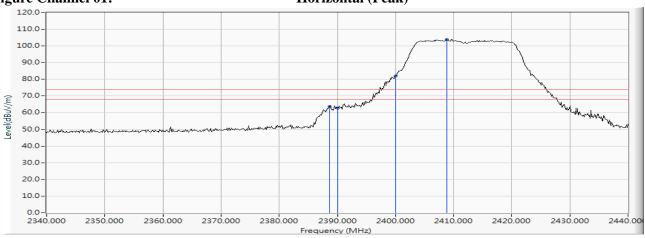
Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2412MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	D = ===14
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2388.696	12.145	51.700	63.844	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	50.476	62.624	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	69.950	82.126			Pass
01 (Peak)	2408.841	12.197	91.735	103.931			
01 (Average)	2390.000	12.148	33.020	45.168	74.00	54.00	Pass
01 (Average)	2400.000	12.176	52.631	64.807			Pass
01 (Average)	2406.667	12.192	80.668	92.860			

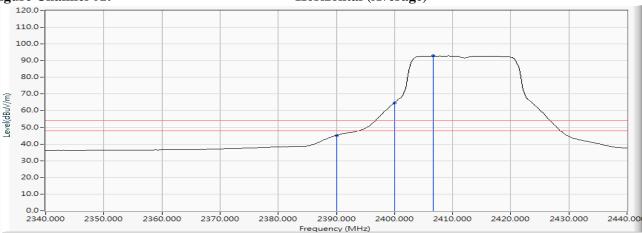
#### Figure Channel 01:

## Horizontal (Peak)



# Figure Channel 01:

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

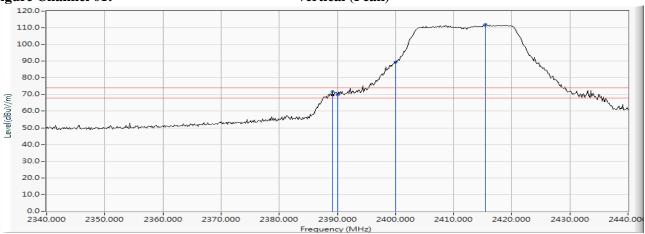
Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2412MHz

#### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2389.130	12.146	59.731	71.877	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	57.586	69.734	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	77.199	89.375			Pass
01 (Peak)	2415.507	12.211	99.704	111.916			Pass
01 (Average)	2390.000	12.148	39.703	51.851	74.00	54.00	Pass
01 (Average)	2400.000	12.176	59.886	72.062			Pass
01 (Average)	2417.971	12.218	88.861	101.078			

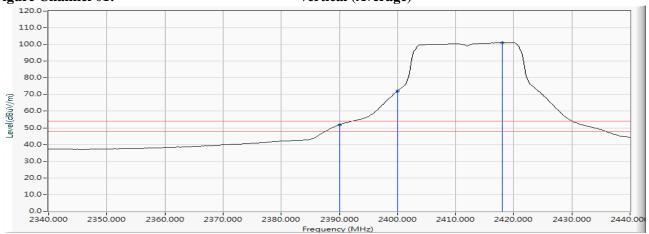
#### Figure Channel 01:

#### Vertical (Peak)



#### Figure Channel 01:

# **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

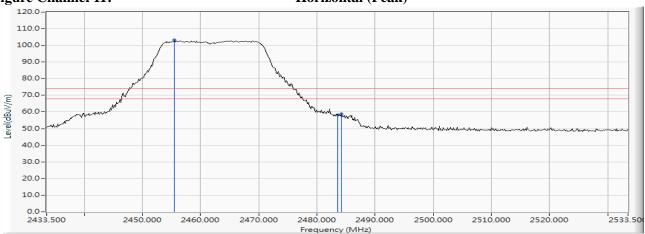
Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2462MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Chamie No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2455.529	12.324	90.791	103.114			
11 (Peak)	2483.500	12.403	45.918	58.321	74.00	54.00	Pass
11 (Peak)	2484.225	12.404	46.384	58.789	74.00	54.00	Pass
11 (Average)	2467.848	12.357	79.741	92.099			
11 (Average)	2483.500	12.403	30.213	42.616	74.00	54.00	Pass

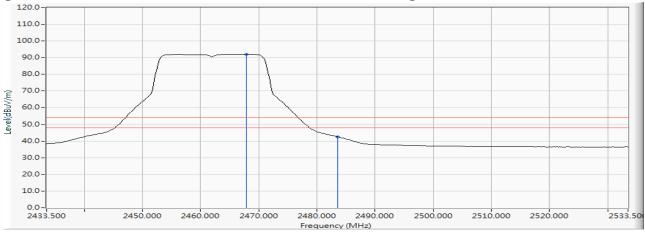
#### **Figure Channel 11:**

#### Horizontal (Peak)



#### **Figure Channel 11:**

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

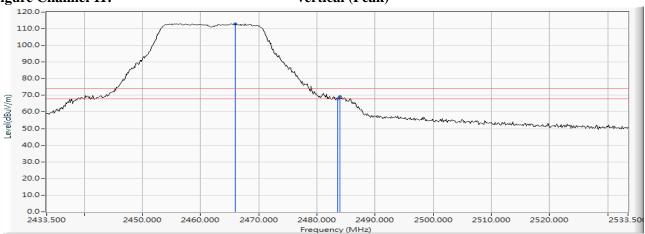
Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2462MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2465.964	12.353	100.685	113.038			
11 (Peak)	2483.500	12.403	55.483	67.886	74.00	54.00	Pass
11 (Peak)	2483.935	12.404	56.648	69.052	74.00	54.00	Pass
11 (Average)	2455.239	12.322	90.179	102.501			
11 (Average)	2483.500	12.403	39.434	51.837	74.00	54.00	Pass

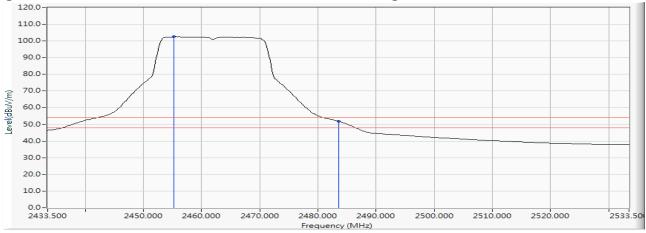
### **Figure Channel 11:**

# Vertical (Peak)



### **Figure Channel 11:**

# Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

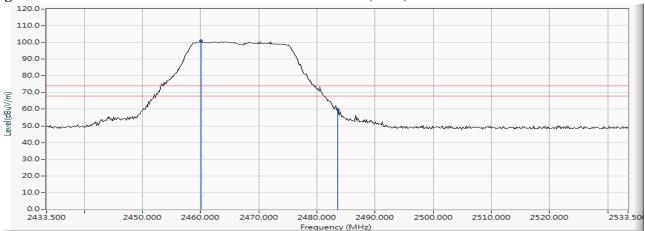
Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2467MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Chamiei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2460.022	12.336	88.530	100.866			
12 (Peak)	2483.500	12.403	47.477	59.880	74.00	54.00	Pass
12 (Average)	2461.616	12.340	77.559	89.899			
12 (Average)	2483.500	12.403	31.126	43.529	74.00	54.00	Pass

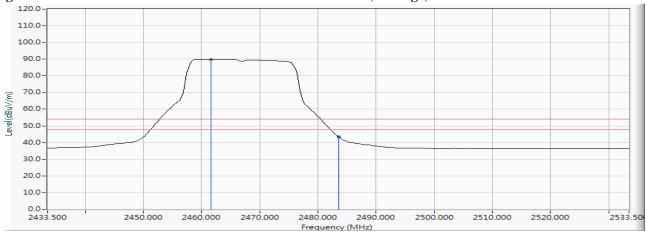
# Figure Channel 12:

### Horizontal (Peak)



#### **Figure Channel 12:**

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

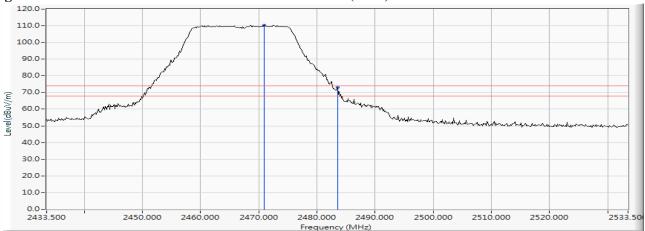
Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2467MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	D = 21-14
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2470.891	12.367	98.109	110.476			
12 (Peak)	2483.500	12.403	60.768	73.171	74.00	54.00	Pass
12 (Average)	2468.862	12.361	87.210	99.571			
12 (Average)	2483.500	12.403	41.582	53.985	74.00	54.00	Pass

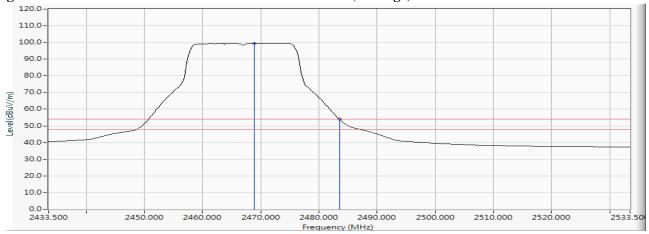
#### Figure Channel 12:

### Vertical (Peak)



#### **Figure Channel 12:**

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

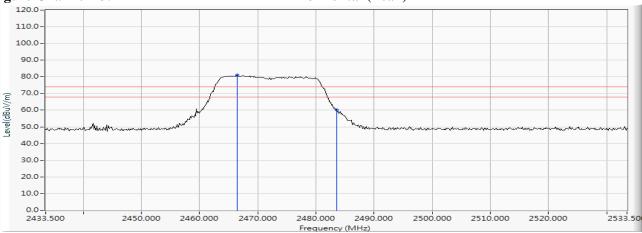
Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2472MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Chamiei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2466.399	12.354	68.812	81.166			
13 (Peak)	2483.500	12.403	47.854	60.257	74.00	54.00	Pass
13 (Average)	2465.674	12.352	57.709	70.061			
13 (Average)	2483.500	12.403	31.695	44.098	74.00	54.00	Pass

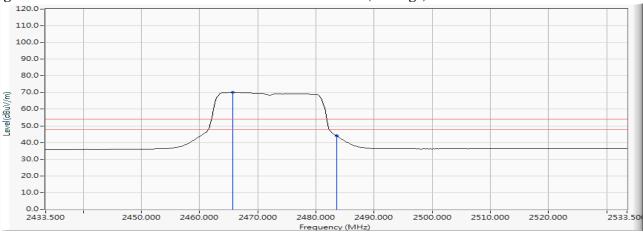
### Figure Channel 13:

### Horizontal (Peak)



#### **Figure Channel 13:**

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

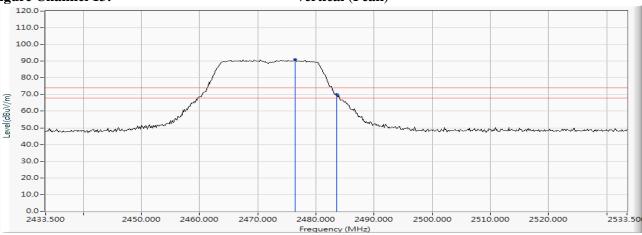
Test Mode : Mode 1 SISO A: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2472MHz

#### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2476.399	12.383	78.581	90.964			
13 (Peak)	2483.500	12.403	57.751	70.154	74.00	54.00	Pass
13 (Average)	2469.152	12.362	67.669	80.031			
13 (Average)	2483.500	12.403	41.174	53.577	74.00	54.00	Pass

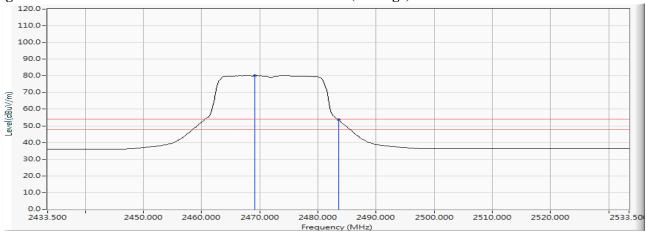
#### Figure Channel 13:

### Vertical (Peak)



#### **Figure Channel 13:**

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

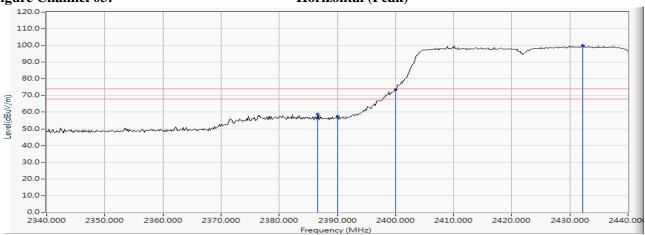
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2422MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
03 (Peak)	2386.667	12.139	46.805	58.944	74.00	54.00	Pass
03 (Peak)	2390.000	12.148	45.432	57.580	74.00	54.00	Pass
03 (Peak)	2400.000	12.176	61.650	73.826			
03 (Peak)	2432.174	12.257	87.770	100.027			
03 (Average)	2390.000	12.148	31.075	43.223	74.00	54.00	Pass
03 (Average)	2400.000	12.176	46.516	58.692			Pass
03 (Average)	2434.203	12.263	76.063	88.325			

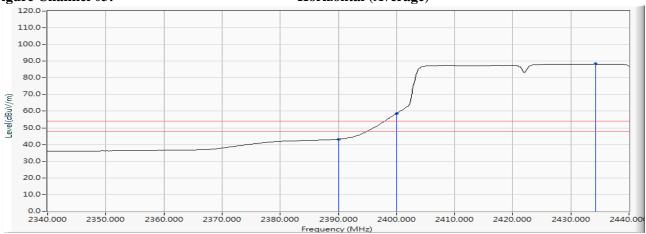
### Figure Channel 03:

## Horizontal (Peak)



### Figure Channel 03:

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

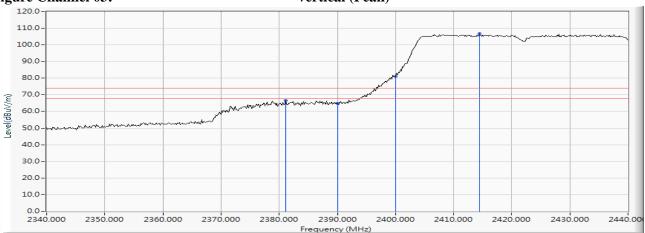
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2422MHz

### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chaimer No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
03 (Peak)	2381.159	12.123	54.350	66.473	74.00	54.00	Pass
03 (Peak)	2390.000	12.148	52.572	64.720	74.00	54.00	Pass
03 (Peak)	2400.000	12.176	68.939	81.115			
03 (Peak)	2414.493	12.209	94.632	106.841			
03 (Average)	2390.000	12.148	39.449	51.597	74.00	54.00	Pass
03 (Average)	2400.000	12.176	54.506	66.682			
03 (Average)	2409.420	12.198	82.799	94.997			

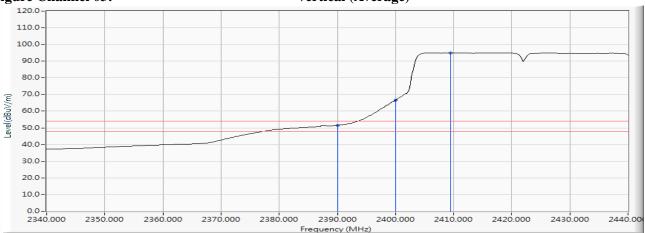
# Figure Channel 03:

## Vertical (Peak)



### Figure Channel 03:

### **Vertical (Average)**



### Note:

- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average

detection.

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Test Item : Band Edge Test Date : 2017/09/25

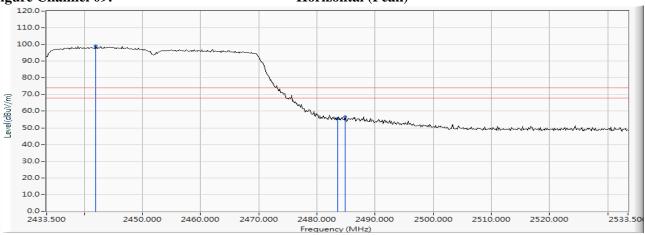
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2452MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
09 (Peak)	2441.906	12.284	86.835	99.119			-
09 (Peak)	2483.500	12.403	43.120	55.523	74.00	54.00	Pass
09 (Peak)	2484.804	12.406	44.368	56.774	74.00	54.00	Pass
09 (Average)	2445.094	12.293	75.043	87.336			
09 (Average)	2483.500	12.403	28.628	41.031	74.00	54.00	Pass

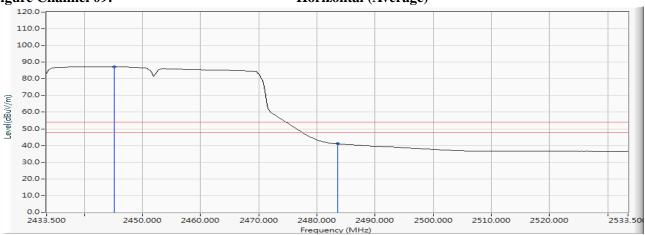
# Figure Channel 09:

# Horizontal (Peak)



### Figure Channel 09:

#### **Horizontal** (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

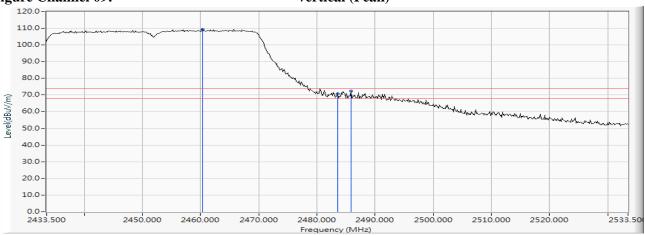
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2452MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
09 (Peak)	2460.312	12.337	97.085	109.422	1	-	-
09 (Peak)	2483.500	12.403	58.529	70.932	74.00	54.00	Pass
09 (Peak)	2485.819	12.409	59.840	72.249	74.00	54.00	Pass
09 (Average)	2455.239	12.322	85.595	97.917	-		
09 (Average)	2483.500	12.403	41.365	53.768	74.00	54.00	Pass

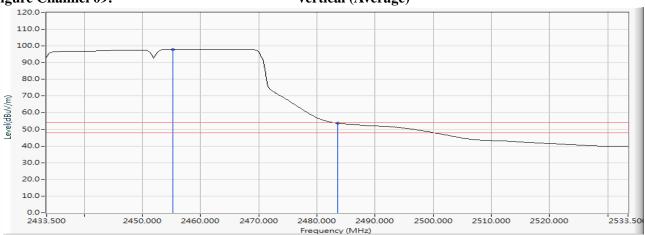
# Figure Channel 09:

# Vertical (Peak)



# Figure Channel 09:

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

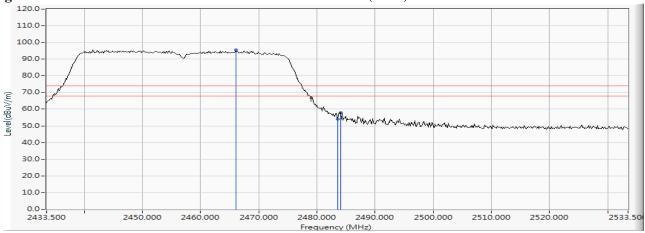
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2457MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
10 (Peak)	2466.109	12.353	83.155	95.508			
10 (Peak)	2483.500	12.403	41.791	54.194	74.00	54.00	Pass
10 (Peak)	2484.080	12.404	45.495	57.899	74.00	54.00	Pass
10 (Average)	2444.804	12.293	71.659	83.952			
10 (Average)	2483.500	12.403	26.375	38.778	74.00	54.00	Pass

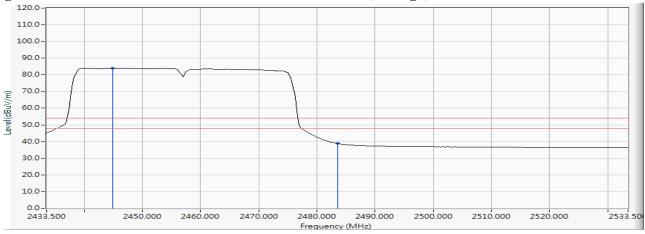
# Figure Channel 10:

# Horizontal (Peak)



### Figure Channel 10:

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

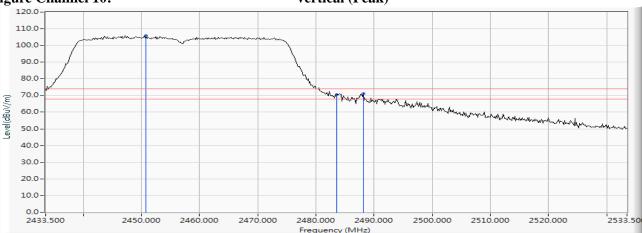
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2457MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
10 (Peak)	2450.746	36.505	93.594	105.904	1		
10 (Peak)	2483.500	36.588	58.012	70.415	74.00	54.00	Pass
10 (Peak)	2488.138	12.415	58.692	71.107	74.00	54.00	Pass
10 (Average)	2450.457	12.309	81.609	93.918			
10 (Average)	2483.500	12.403	36.188	48.591	74.00	54.00	Pass

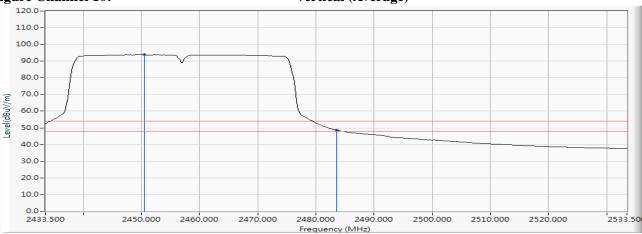
### **Figure Channel 10:**

## Vertical (Peak)



### Figure Channel 10:

### **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

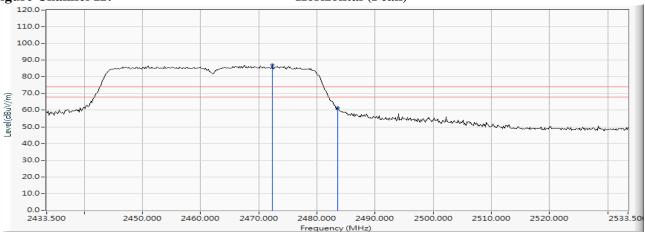
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2462MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2472.341	12.371	74.733	87.104			
11 (Peak)	2483.500	12.403	49.128	61.531	74.00	54.00	Pass
11 (Average)	2465.964	12.353	63.315	75.668			
11 (Average)	2483.500	12.403	29.830	42.233	74.00	54.00	Pass

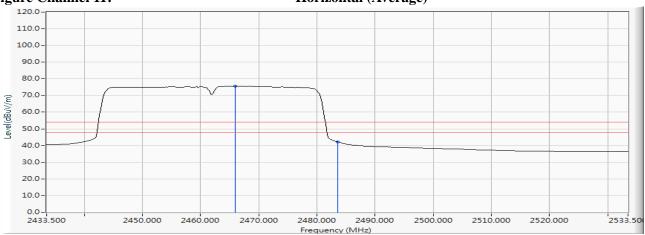
#### Figure Channel 11:

### Horizontal (Peak)



#### Figure Channel 11:

# **Horizontal** (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/25

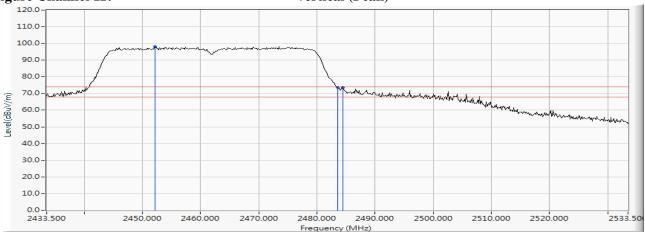
Test Mode : Mode 1 SISO A: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2462MHz

### **RF** Radiated Measurement (Vertical):

Chanal Na	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2452.196	12.314	85.816	98.130			
11 (Peak)	2483.500	12.403	61.242	73.645			
11 (Peak)	2484.514	12.405	61.390	73.795	74.00	54.00	Pass
11 (Average)	2474.225	12.376	74.363	86.739			
11 (Average)	2483.500	12.403	39.762	52.165	74.00	54.00	Pass

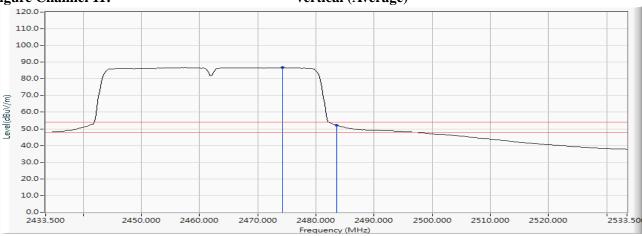
#### **Figure Channel 11:**

# Vertical (Peak)



### Figure Channel 11:

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item Band Edge Test Date 2017/09/27

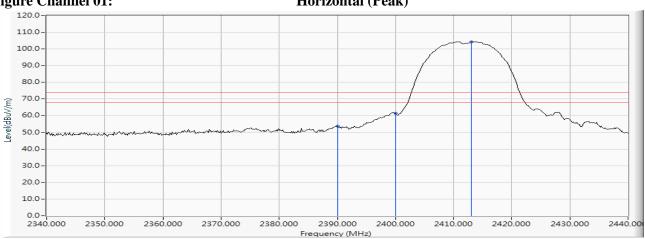
Test Mode Mode 2 SISO B: Transmit (802.11b 1Mbps) 2412MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chainlei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
01 (Peak)	2390.000	12.148	41.653	53.801	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	49.154	61.330			
01 (Peak)	2413.043	12.206	92.070	104.276			
01 (Average)	2389.275	12.146	32.391	44.537	74.00	54.00	Pass
01 (Average)	2390.000	12.148	29.817	41.965	74.00	54.00	Pass
01 (Average)	2400.000	12.176	43.802	55.978			
01 (Average)	2411.304	12.201	88.131	100.333			

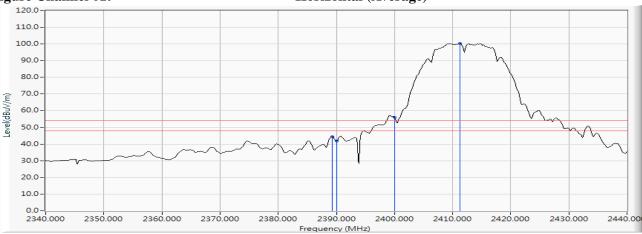
## Figure Channel 01:

# Horizontal (Peak)



# Figure Channel 01:

# **Horizontal** (Average)



- Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
  - Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto. 2.
  - Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
  - "\*", means this data is the worst emission level. 4.
  - Measurement Level = Reading Level + Correct Factor. 5.
  - The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

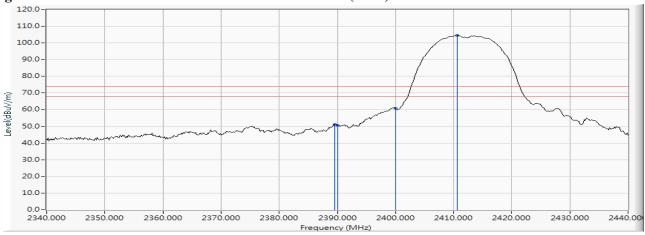
Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) 2412MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2389.565	12.147	39.133	51.280	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	38.501	50.649	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	48.576	60.752	-		
01 (Peak)	2410.580	12.200	92.213	104.413	-		
01 (Average)	2389.130	12.146	32.753	44.899	74.00	54.00	Pass
01 (Average)	2390.000	12.148	30.211	42.359	74.00	54.00	Pass
01 (Average)	2400.000	12.176	44.037	56.213			
01 (Average)	2411.304	12.201	88.414	100.616			

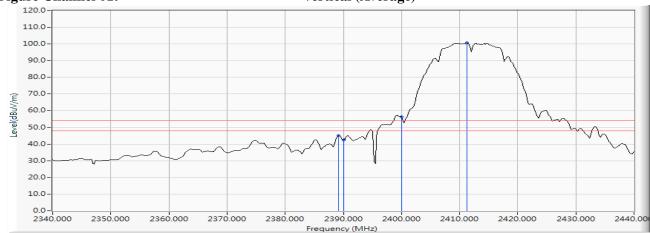
### Figure Channel 01:

# Vertical (Peak)



### **Figure Channel 01:**

# Vertical (Average)



#### Note:

- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average

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Test Item : Band Edge Test Date : 2017/09/27

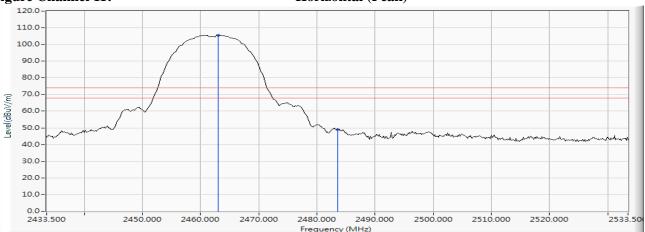
Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) 2462MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2463.065	12.345	93.272	105.616			
11 (Peak)	2483.500	12.403	36.406	48.809	74.00	54.00	Pass
11 (Average)	2461.181	12.339	89.593	101.932			
11 (Average)	2483.500	12.403	31.361	43.764	74.00	54.00	Pass

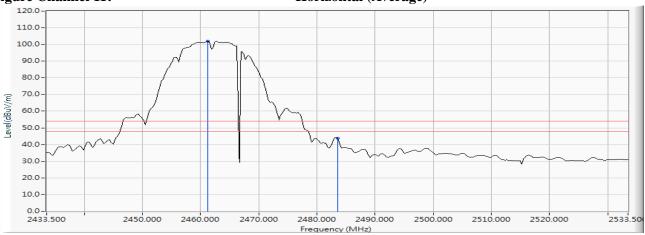
## Figure Channel 11:

### Horizontal (Peak)



### **Figure Channel 11:**

## Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

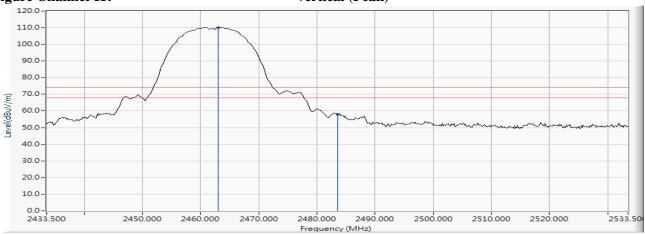
Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) 2462MHz

### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2463.065	12.345	97.792	110.136			
11 (Peak)	2483.500	12.403	45.387	57.790	74.00	54.00	Pass
11 (Average)	2461.181	12.339	94.092	106.431			
11 (Average)	2483.500	12.403	41.029	53.432	74.00	54.00	Pass

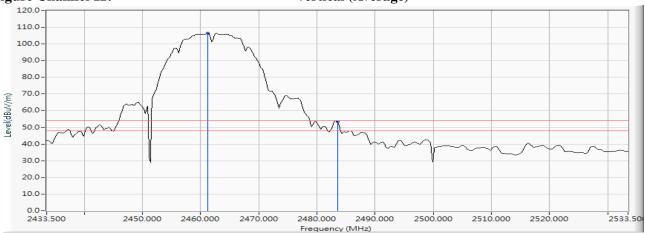
### **Figure Channel 11:**

# Vertical (Peak)



### **Figure Channel 11:**

# Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

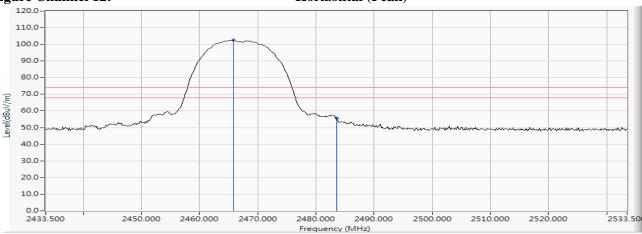
Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) 2467MHz

# RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2465.819	12.352	90.154	102.506			
12 (Peak)	2483.500	12.403	43.393	55.796	74.00	54.00	Pass
12 (Average)	2466.254	12.353	86.414	98.767			
12 (Average)	2483.500	12.403	35.361	47.764	74.00	54.00	Pass

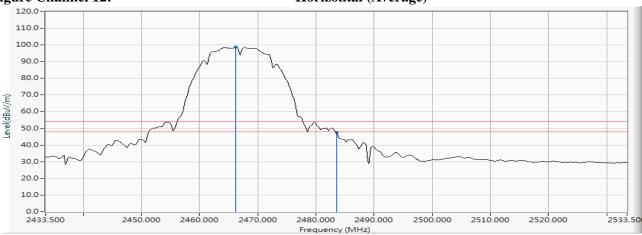
### **Figure Channel 12:**

# Horizontal (Peak)



### Figure Channel 12:

# Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

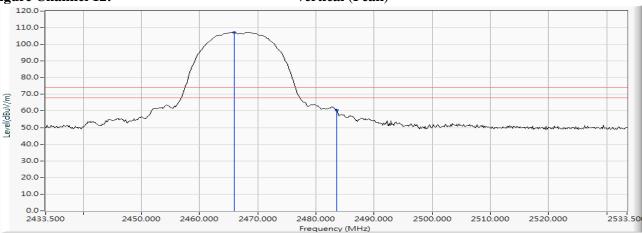
Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) 2467MHz

### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2465.964	12.353	94.889	107.242			
12 (Peak)	2483.500	12.403	48.001	60.404	74.00	54.00	Pass
12 (Average)	2467.703	12.357	91.321	103.678			
12 (Average)	2483.500	12.403	41.209	53.612	74.00	54.00	Pass

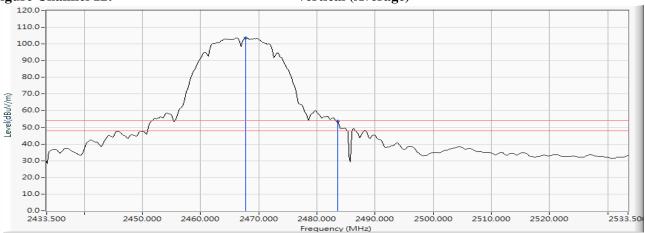
### **Figure Channel 12:**

# Vertical (Peak)



### Figure Channel 12:

# **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

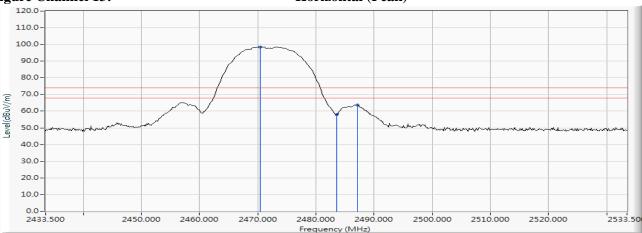
Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) 2472MHz

# RF Radiated Measurement (Horizontal):

	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2470.457	12.365	86.225	98.590			
13 (Peak)	2483.500	12.403	45.490	57.893	74.00	54.00	Pass
13 (Peak)	2487.123	12.413	51.372	63.785	74.00	54.00	Pass
13 (Average)	2469.152	12.362	80.411	92.773			
13 (Average)	2483.500	12.403	31.660	44.063	74.00	54.00	Pass
13 (Average)	2486.109	12.411	40.935	53.345	74.00	54.00	Pass

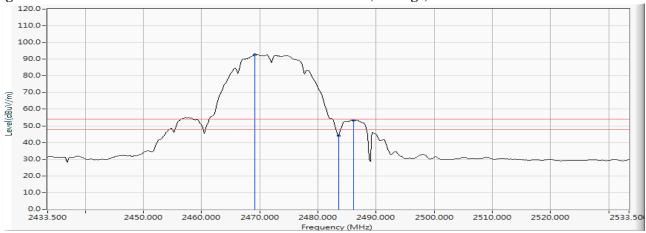
### Figure Channel 13:

### Horizontal (Peak)



### **Figure Channel 13:**

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

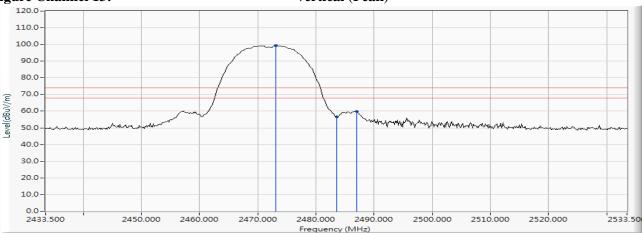
Test Mode : Mode 2 SISO B: Transmit (802.11b 1Mbps) 2472MHz

### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chainei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2473.065	12.373	86.889	99.262			
13 (Peak)	2483.500	12.403	44.074	56.477	74.00	54.00	Pass
13 (Peak)	2486.978	12.413	47.434	59.846	74.00	54.00	Pass
13 (Average)	2469.152	12.362	83.075	95.437			
13 (Average)	2483.500	12.403	33.913	46.316	74.00	54.00	Pass
13 (Average)	2484.659	12.406	41.419	53.825	74.00	54.00	Pass

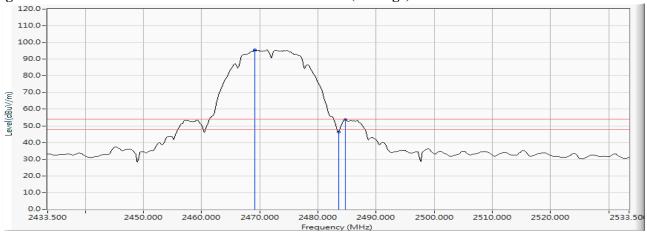
### Figure Channel 13:

## Vertical (Peak)



### Figure Channel 13:

### **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

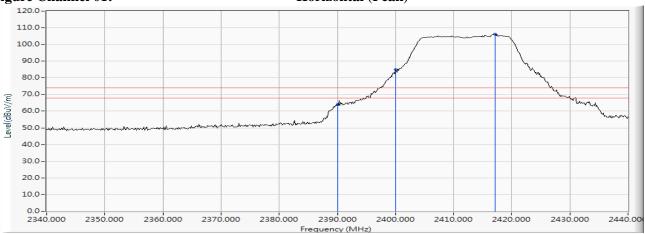
Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) 2412MHz

# RF Radiated Measurement (Horizontal):

Channal No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2390.000	12.148	51.894	64.042	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	72.709	84.885			Pass
01 (Peak)	2417.101	12.215	93.986	106.201			
01(Average)	2390.000	12.148	30.608	42.756	74.00	54.00	Pass
01(Average)	2400.000	12.176	52.539	64.715			Pass
01(Average)	2417.391	12.216	81.559	93.775			

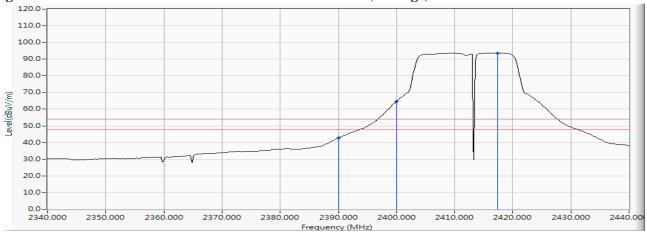
### Figure Channel 01:

## Horizontal (Peak)



### Figure Channel 01:

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

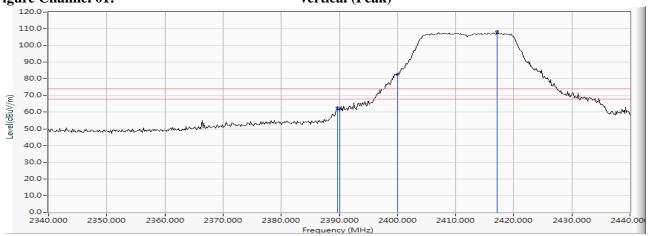
Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) 2412MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chainei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
01 (Peak)	2389.710	12.147	50.623	62.770	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	49.596	61.744	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	70.552	82.728			
01 (Peak)	2417.101	12.215	96.097	108.312	-		
01 (Average)	2390.000	12.148	31.007	43.155	74.00	54.00	Pass
01 (Average)	2400.000	12.176	53.551	65.727			
01 (Average)	2409.710	12.198	84.036	96.234	-		

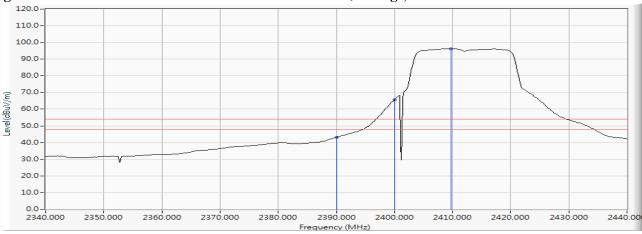
#### Figure Channel 01:

### Vertical (Peak)



#### **Figure Channel 01:**

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

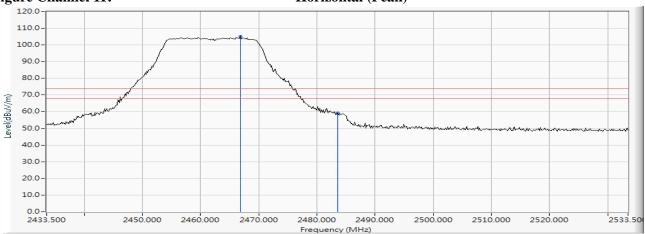
Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) 2462MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2466.833	12.355	92.769	105.124			
11 (Peak)	2483.500	12.403	46.777	59.180	74.00	54.00	Pass
11 (Average)	2460.746	12.337	80.748	93.086			
11 (Average)	2483.500	12.403	29.249	41.652	74.00	54.00	Pass

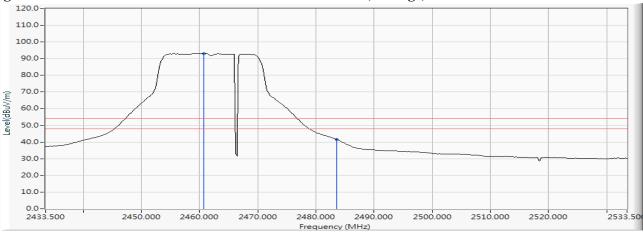
### **Figure Channel 11:**

# Horizontal (Peak)



### **Figure Channel 11:**

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

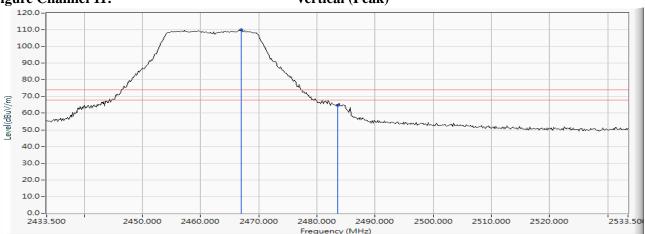
Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) 2462MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2466.978	12.355	97.607	109.962			
11 (Peak)	2483.500	12.403	52.150	64.553	74.00	54.00	Pass
11 (Average)	2455.094	12.322	85.591	97.913			
11 (Average)	2483.500	12.403	35.060	47.463	74.00	54.00	Pass

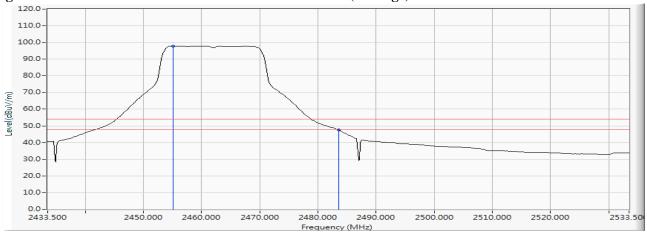
# **Figure Channel 11:**

# Vertical (Peak)



### **Figure Channel 11:**

#### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

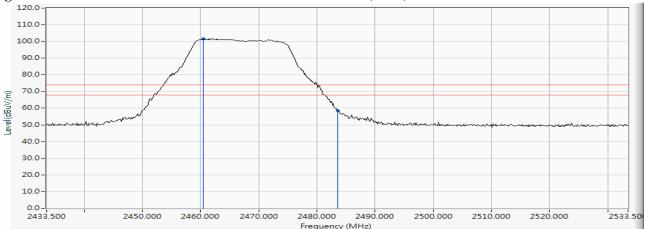
Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) 2467MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2460.457	12.337	89.421	101.758	-		
12 (Peak)	2483.500	12.403	46.035	58.438	74.00	54.00	Pass
12 (Average)	2461.036	12.339	77.961	90.300			
12 (Average)	2483.500	12.403	29.613	42.016	74.00	54.00	Pass

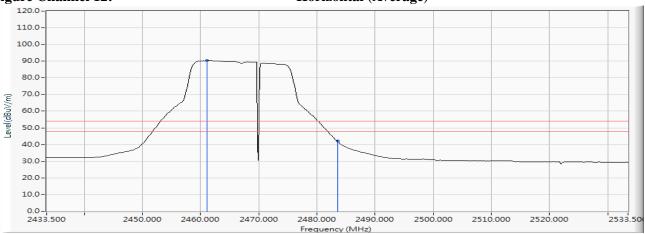
#### **Figure Channel 12:**

### Horizontal (Peak)



#### **Figure Channel 12:**

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

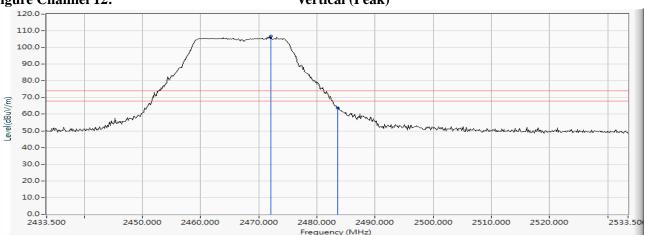
Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) 2467MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2472.051	12.370	94.288	106.658			
12 (Peak)	2483.500	12.403	51.455	63.858	74.00	54.00	Pass
12 (Average)	2461.036	12.339	82.395	94.734			
12 (Average)	2483.500	12.403	36.469	48.872	74.00	54.00	Pass

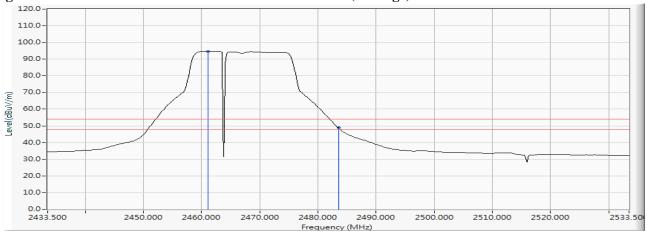
# Figure Channel 12:

# Vertical (Peak)



### **Figure Channel 12:**

#### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

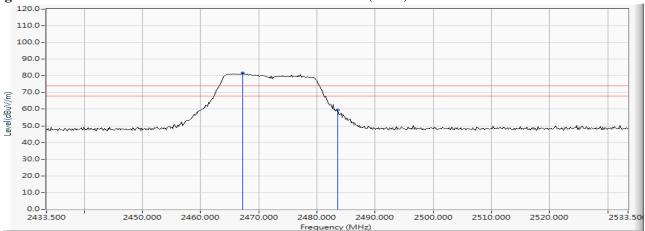
Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) 2472MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2467.268	12.356	69.519	81.875	1		-
13 (Peak)	2483.500	12.403	46.999	59.402	74.00	54.00	Pass
13 (Average)	2466.833	12.355	58.097	70.452			
13 (Average)	2483.500	12.403	29.734	42.137	74.00	54.00	Pass

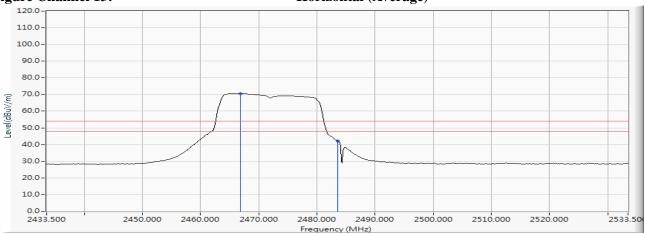
#### **Figure Channel 13:**

# Horizontal (Peak)



# **Figure Channel 13:**

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

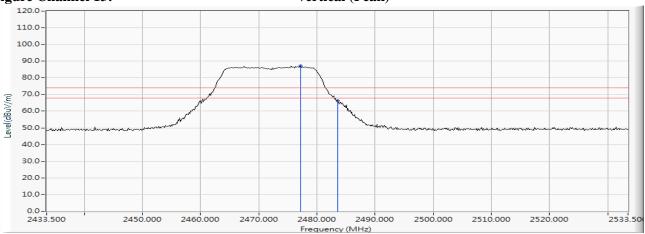
Test Mode : Mode 2 SISO B: Transmit (802.11g 6Mbps) 2472MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2477.123	12.385	74.757	87.142			
13 (Peak)	2483.500	12.403	53.882	66.285	74.00	54.00	Pass
13 (Average)	2475.384	12.380	63.079	75.459			
13 (Average)	2483.500	12.403	36.428	48.831	74.00	54.00	Pass

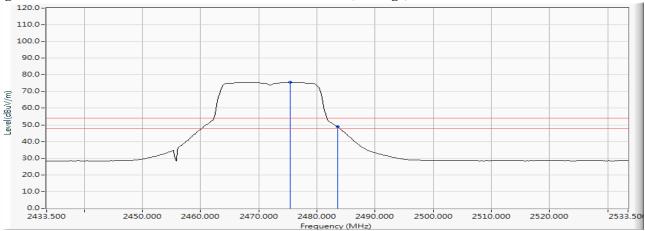
# Figure Channel 13:

# Vertical (Peak)



### Figure Channel 13:

#### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

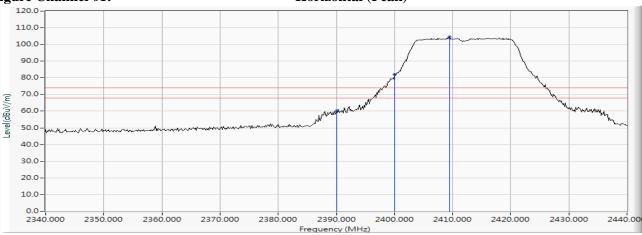
Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2412MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2390.000	12.148	48.136	60.284	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	69.869	82.045			
01 (Peak)	2409.420	12.198	92.443	104.641			
01 (Average)	2390.000	12.148	30.367	42.515	74.00	54.00	Pass
01 (Average)	2400.000	12.176	51.372	63.548			
01 (Average)	2417.246	12.215	80.400	92.616			

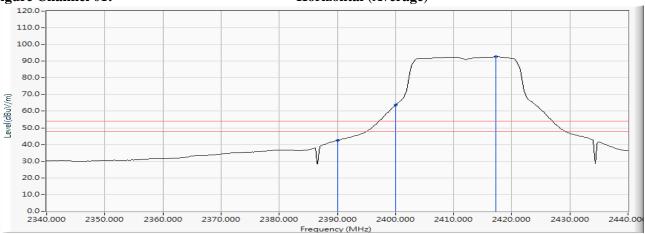
### Figure Channel 01:

# Horizontal (Peak)



#### Figure Channel 01:

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

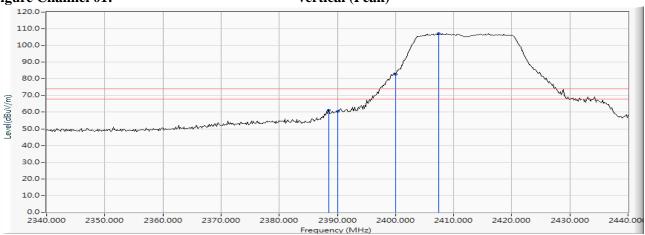
Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2412MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2388.551	12.144	49.121	61.265	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	48.296	60.444	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	70.622	82.798			
01 (Peak)	2407.391	12.193	94.975	107.168			
01 (Average)	2390.000	12.148	30.993	43.141	74.00	54.00	Pass
01 (Average)	2400.000	12.176	53.166	65.342			
01 (Average)	2409.275	12.198	83.185	95.382			

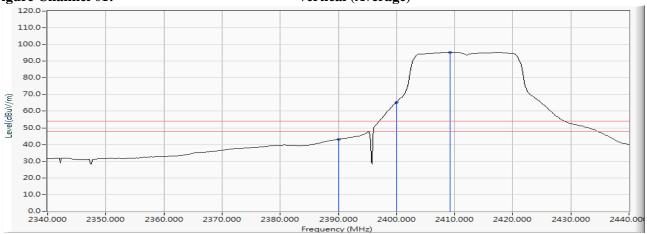
## Figure Channel 01:

### Vertical (Peak)



### Figure Channel 01:

### **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

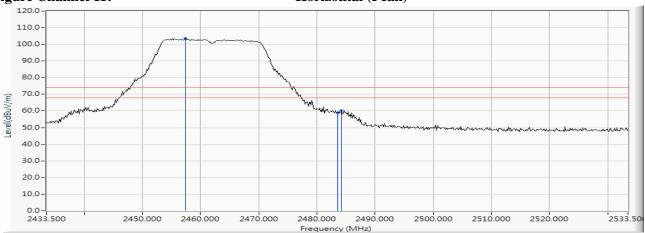
Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2462MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2457.413	12.329	91.222	103.551			
11 (Peak)	2483.500	12.403	46.446	58.849	74.00	54.00	Pass
11 (Peak)	2484.225	12.404	47.799	60.204	74.00	54.00	Pass
11 (Average)	2453.935	12.319	79.759	92.078			
11 (Average)	2483.500	12.403	31.259	43.662	74.00	54.00	Pass

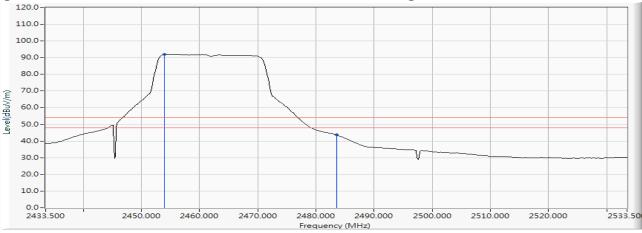
### **Figure Channel 11:**

### Horizontal (Peak)



### **Figure Channel 11:**

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

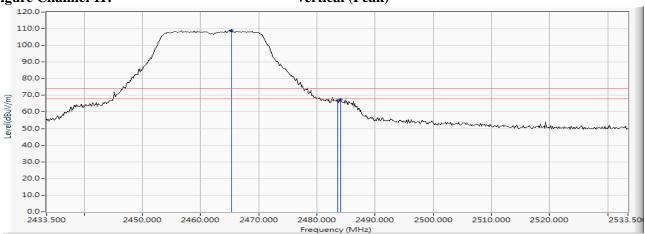
Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2462MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2465.239	12.351	96.565	108.916			
11 (Peak)	2483.500	12.403	54.674	67.077	74.00	54.00	Pass
11 (Peak)	2484.080	12.404	55.164	67.568	74.00	54.00	Pass
11 (Average)	2467.413	12.357	84.745	97.102			
11 (Average)	2483.500	12.403	37.905	50.308	74.00	54.00	Pass

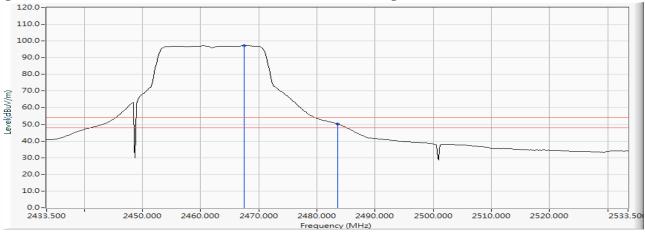
### **Figure Channel 11:**

# Vertical (Peak)



### **Figure Channel 11:**

# Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

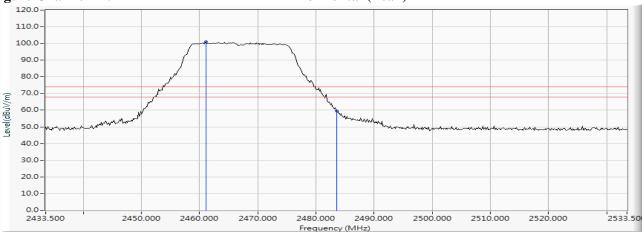
Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2467MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2461.036	12.339	88.622	100.961			
12 (Peak)	2483.500	12.403	46.986	59.389	74.00	54.00	Pass
12 (Average)	2461.616	12.340	77.078	89.418			
12 (Average)	2483.500	12.403	31.535	43.938	74.00	54.00	Pass

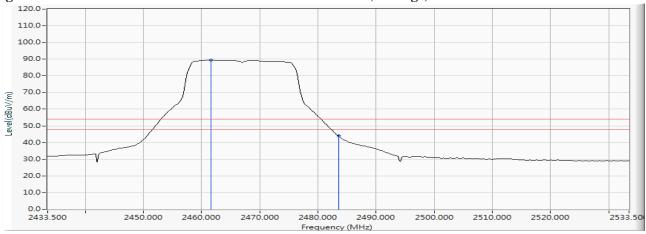
#### Figure Channel 12:

### Horizontal (Peak)



#### **Figure Channel 12:**

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

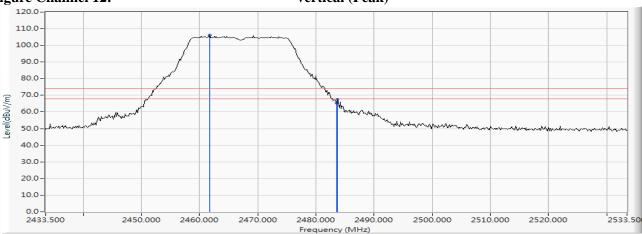
Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2467MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2461.761	12.341	93.789	106.130			
12 (Peak)	2483.500	12.403	52.872	65.275	74.00	54.00	Pass
12 (Peak)	2483.645	12.403	55.186	67.589	74.00	54.00	Pass
12 (Average)	2461.616	12.340	81.756	94.096			
12 (Average)	2483.500	12.403	37.266	49.669	74.00	54.00	Pass

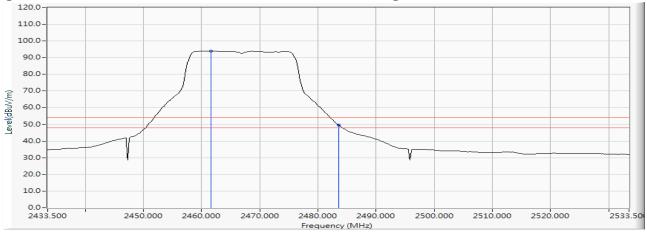
### **Figure Channel 12:**

## Vertical (Peak)



### **Figure Channel 12:**

# Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

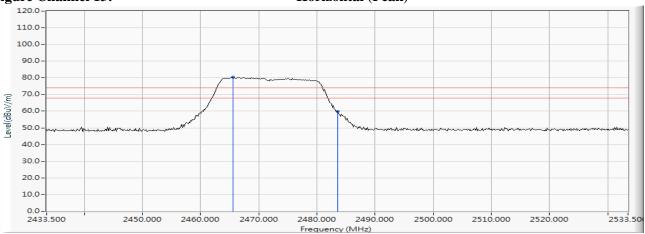
Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2472MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Chamiei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2465.529	12.352	68.000	80.351			
13 (Peak)	2483.500	12.403	47.481	59.884	74.00	54.00	Pass
13 (Average)	2466.833	12.355	56.880	69.235			
13 (Average)	2483.500	12.403	29.624	42.027	74.00	54.00	Pass

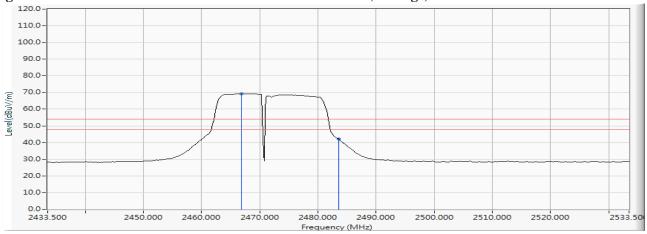
### Figure Channel 13:

# Horizontal (Peak)



#### **Figure Channel 13:**

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

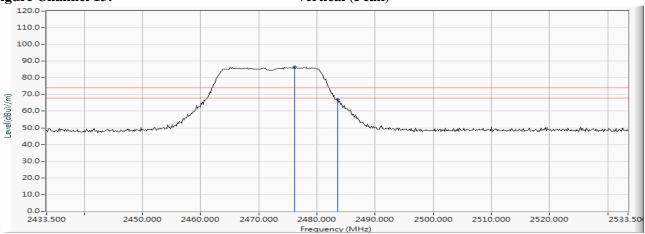
Test Mode : Mode 2 SISO B: Transmit - 802.11n-20BW\_7.2Mbps(2.4G Band) 2472MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2476.109	12.382	74.144	86.526			
13 (Peak)	2483.500	12.403	54.422	66.825	74.00	54.00	Pass
13 (Average)	2475.239	12.379	62.848	75.227			
13 (Average)	2483.500	12.403	36.893	49.296	74.00	54.00	Pass

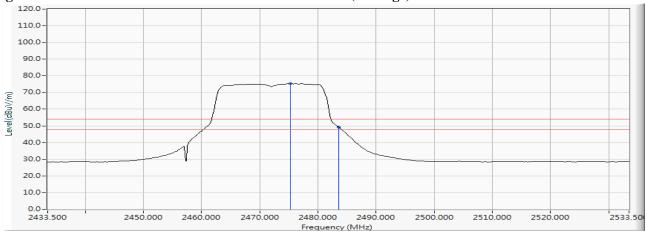
### Figure Channel 13:

# Vertical (Peak)



#### **Figure Channel 13:**

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

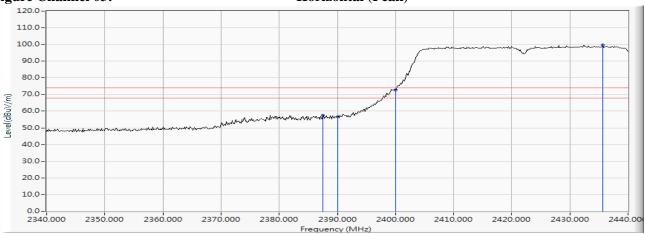
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2422MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chamie No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
03 (Peak)	2387.536	12.141	45.527	57.668	74.00	54.00	Pass
03 (Peak)	2390.000	12.148	44.563	56.711	74.00	54.00	Pass
03 (Peak)	2400.000	12.176	60.645	72.821			
03 (Peak)	2435.652	12.266	87.456	99.722			
03 (Average)	2390.000	12.148	30.429	42.577	74.00	54.00	Pass
03 (Average)	2400.000	12.176	45.549	57.725			
03 (Average)	2431.014	12.253	74.362	86.615			

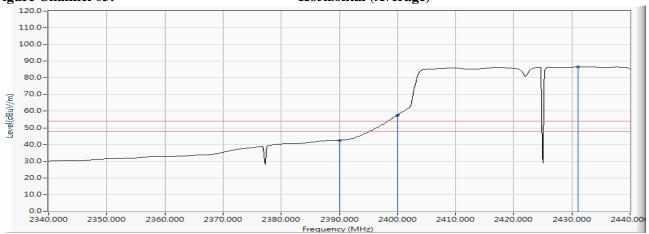
## Figure Channel 03:

### Horizontal (Peak)



## Figure Channel 03:

## Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

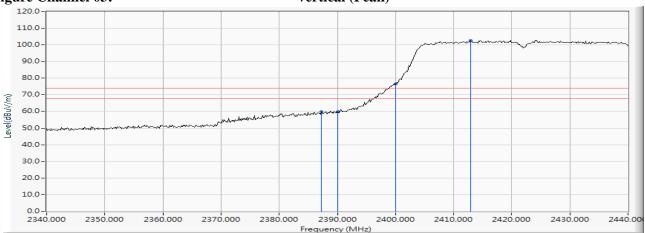
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2422MHz

# **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chainlei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
03 (Peak)	2387.246	12.140	47.815	59.955	74.00	54.00	Pass
03 (Peak)	2390.000	12.148	47.531	59.679	74.00	54.00	Pass
03 (Peak)	2400.000	12.176	64.241	76.417			
03 (Peak)	2412.899	12.206	90.542	102.747			
03 (Average)	2390.000	12.148	33.370	45.518	74.00	54.00	Pass
03 (Average)	2400.000	12.176	48.362	60.538			
03 (Average)	2424.348	12.235	77.447	89.682	-		

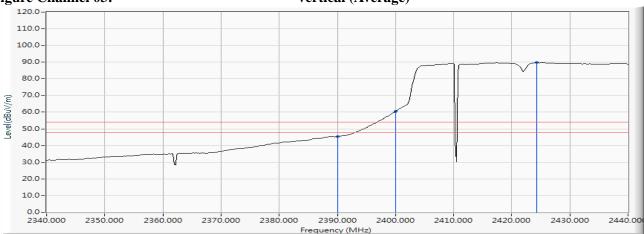
# Figure Channel 03:

# Vertical (Peak)



# Figure Channel 03:

# Vertical (Average)



### Note:

- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average

detection.

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Test Item : Band Edge Test Date : 2017/09/27

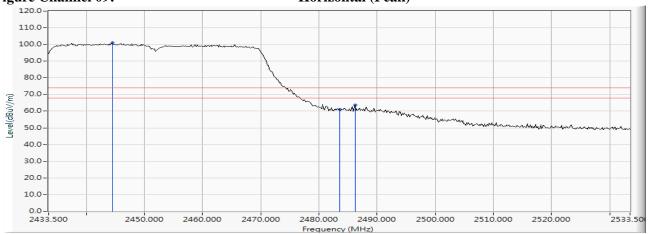
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2452MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
09 (Peak)	2444.514	12.291	88.633	100.925			-
09 (Peak)	2483.500	12.403	48.657	61.060	74.00	54.00	Pass
09 (Peak)	2486.254	12.411	51.225	63.635	74.00	54.00	Pass
09 (Average)	2446.833	12.299	75.365	87.664			
09 (Average)	2483.500	12.403	32.026	44.429	74.00	54.00	Pass

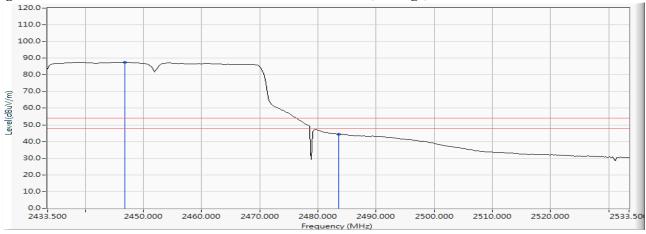
# Figure Channel 09:

# Horizontal (Peak)



### Figure Channel 09:

#### **Horizontal** (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

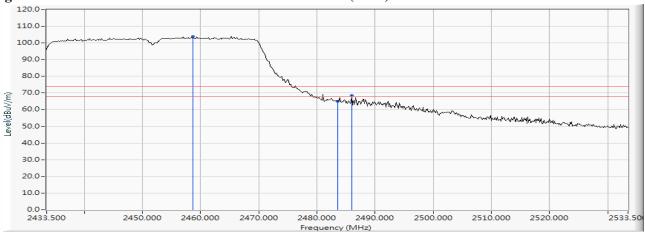
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2452MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
09 (Peak)	2458.717	12.332	91.716	104.048	1	-	-
09 (Peak)	2483.500	12.403	52.527	64.930	74.00	54.00	Pass
09 (Peak)	2485.964	12.409	56.223	68.632	74.00	54.00	Pass
09 (Average)	2454.514	12.320	78.696	91.016	-		
09 (Average)	2483.500	12.403	37.417	49.820	74.00	54.00	Pass

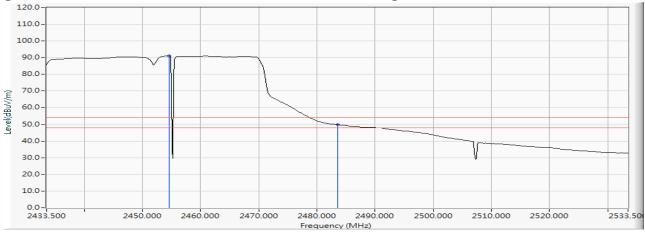
# Figure Channel 09:

# Vertical (Peak)



# Figure Channel 09:

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

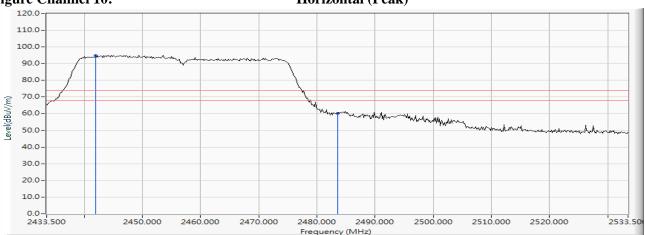
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2457MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
10 (Peak)	2441.906	12.284	82.775	95.059			
10 (Peak)	2483.500	12.403	47.849	60.252	74.00	54.00	Pass
10 (Average)	2445.674	12.296	70.367	82.662			
10 (Average)	2483.500	12.403	28.594	40.997	74.00	54.00	Pass

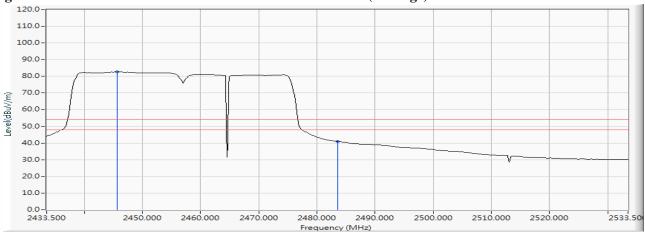
## Figure Channel 10:

# Horizontal (Peak)



#### Figure Channel 10:

#### **Horizontal** (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

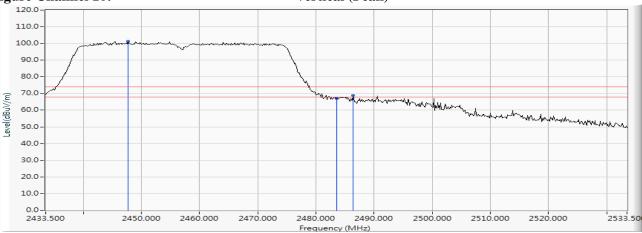
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2457MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
10 (Peak)	2447.703	12.301	89.063	101.364	1		
10 (Peak)	2483.500	12.403	54.663	67.066	74.00	54.00	Pass
10 (Peak)	2486.399	12.411	56.360	68.771	74.00	54.00	Pass
10 (Average)	2454.080	12.319	76.011	88.330			
10 (Average)	2483.500	12.403	35.072	47.475	74.00	54.00	Pass

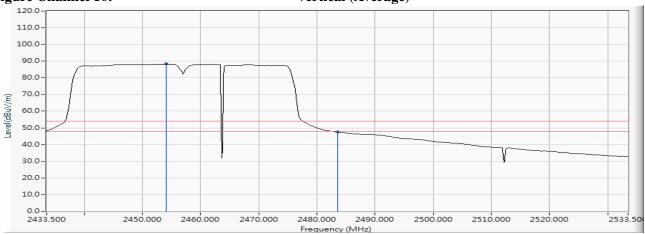
# Figure Channel 10:

# Vertical (Peak)



## Figure Channel 10:

# **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

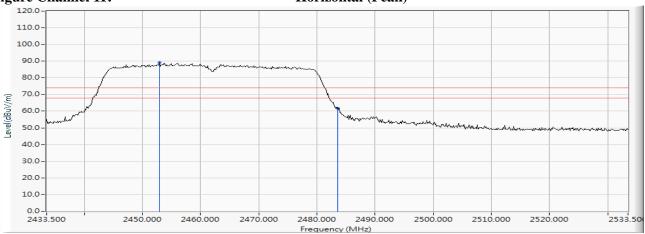
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2462MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chamilei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
11 (Peak)	2452.920	12.316	76.725	89.041			
11 (Peak)	2483.500	12.403	49.306	61.709	74.00	54.00	Pass
11 (Average)	2454.080	12.319	63.897	76.216			
11 (Average)	2483.500	12.403	28.172	40.575	74.00	54.00	Pass

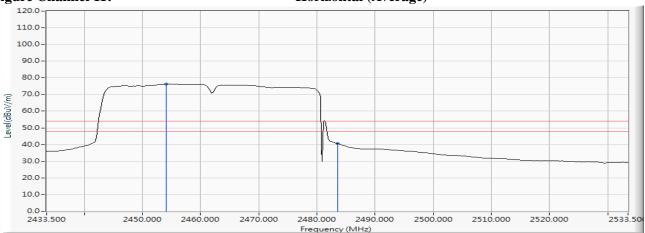
#### Figure Channel 11:

### Horizontal (Peak)



### Figure Channel 11:

# **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/27

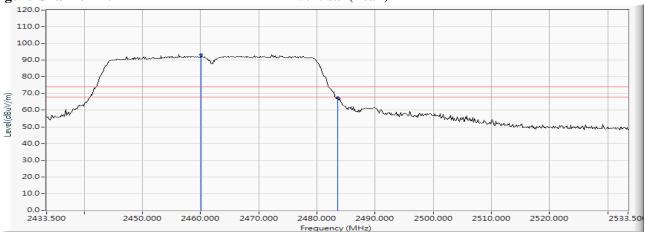
Test Mode : Mode 2 SISO B: Transmit - 802.11n-40BW\_15Mbps(2.4G Band) 2462MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2460.022	12.336	80.913	93.249	1		
11 (Peak)	2483.500	12.403	55.011	67.414	74.00	54.00	Pass
11 (Average)	2468.283	12.360	68.413	80.772			
11 (Average)	2483.500	12.403	33.925	46.328	74.00	54.00	Pass

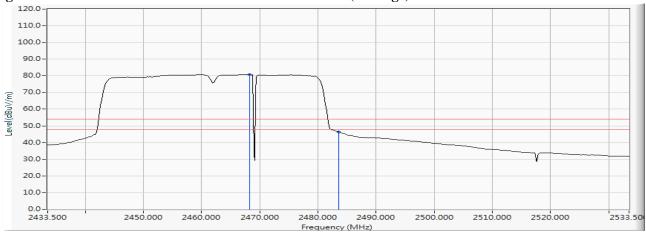
# Figure Channel 11:

# Vertical (Peak)



### **Figure Channel 11:**

#### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/23

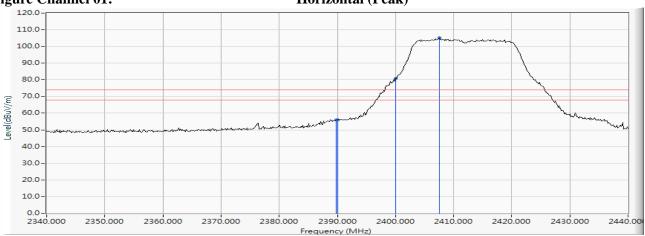
Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) 2412MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Chamilei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2389.855	12.147	43.801	55.949	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	43.680	55.828	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	68.518	80.694			
01 (Peak)	2407.536	12.193	92.902	105.096			
01 (Average)	2390.000	12.148	28.806	40.954	74.00	54.00	Pass
01 (Average)	2400.000	12.176	51.851	64.027			
01 (Average)	2407.681	12.194	79.741	91.935			

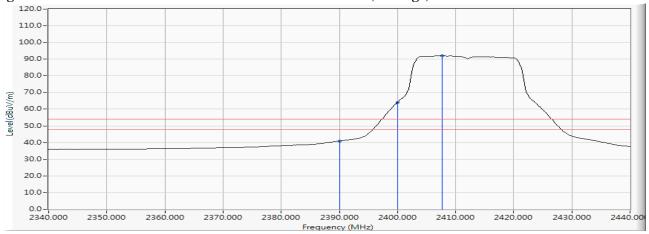
#### Figure Channel 01:

# Horizontal (Peak)



#### **Figure Channel 01:**

### **Horizontal** (Average)



### Note:

- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average

detection. Page: 155 of 170



Test Item : Band Edge Test Date : 2017/09/23

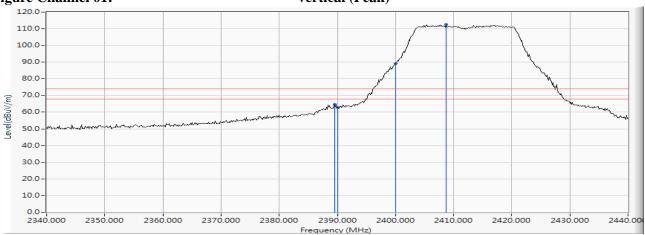
Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) 2412MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2389.565	12.147	52.392	64.539	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	50.707	62.855	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	76.813	88.989			
01 (Peak)	2408.696	12.196	100.396	112.592			
01 (Average)	2390.000	12.148	36.198	48.346	74.00	54.00	Pass
01 (Average)	2400.000	12.176	60.240	72.416			
01 (Average)	2406.377	12.191	87.658	99.849			

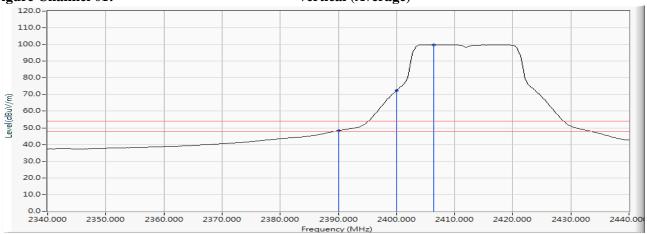
# Figure Channel 01:

### Vertical (Peak)



## **Figure Channel 01:**

# **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/23

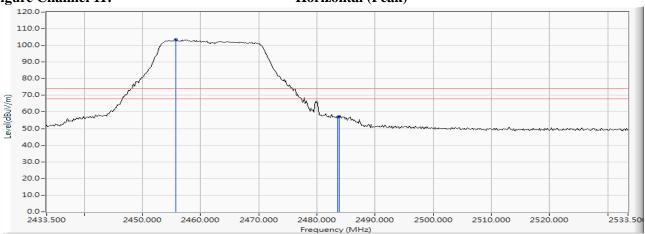
Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) 2462MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2455.674	12.324	91.115	103.439			
11 (Peak)	2483.500	12.403	44.476	56.879	74.00	54.00	Pass
11 (Peak)	2483.790	12.403	45.006	57.409	74.00	54.00	Pass
11 (Average)	2456.254	12.325	79.266	91.591			
11 (Average)	2483.500	12.403	29.597	42.000	74.00	54.00	Pass

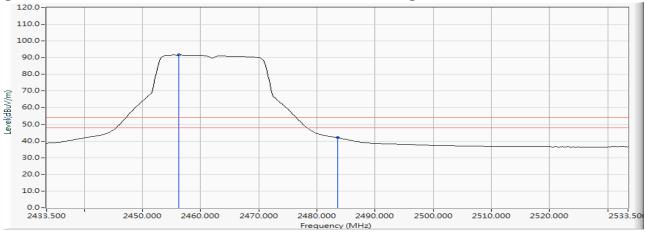
# **Figure Channel 11:**

# Horizontal (Peak)



## **Figure Channel 11:**

# **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/23

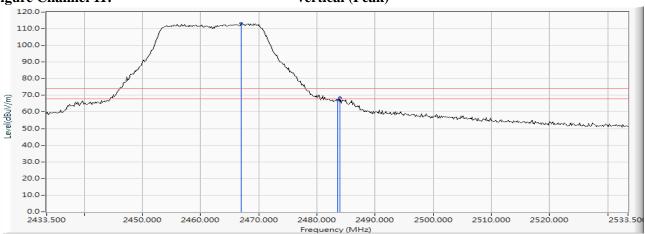
Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) 2462MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2466.978	12.355	101.031	113.386			
11 (Peak)	2483.500	12.403	54.893	67.296	74.00	54.00	Pass
11 (Peak)	2483.935	12.404	56.161	68.565	74.00	54.00	Pass
11 (Average)	2467.848	12.357	88.350	100.708			
11 (Average)	2483.500	12.403	40.057	52.460	74.00	54.00	Pass

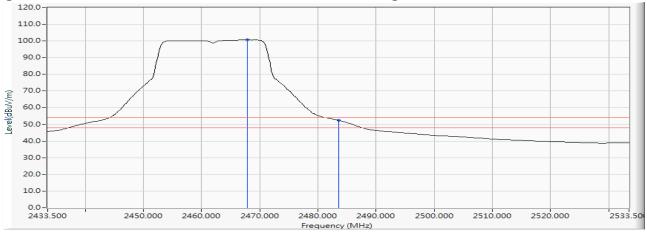
# **Figure Channel 11:**

# Vertical (Peak)



## **Figure Channel 11:**

# **Vertical (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/23

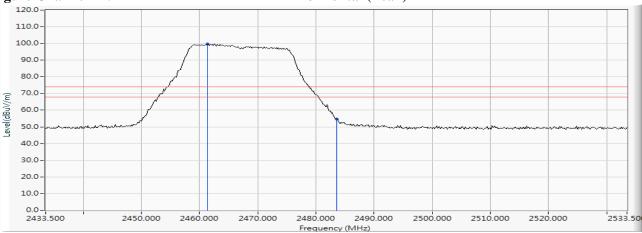
Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) 2467MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dogult
Chamiei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2461.326	12.340	87.444	99.784			
12 (Peak)	2483.500	12.403	42.355	54.758	74.00	54.00	Pass
12 (Average)	2461.181	12.339	75.002	87.341			
12 (Average)	2483.500	12.403	28.476	40.879	74.00	54.00	Pass

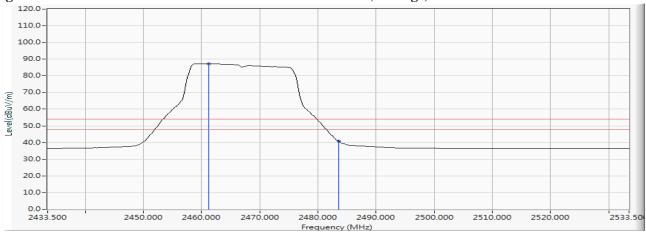
# Figure Channel 12:

# Horizontal (Peak)



#### **Figure Channel 12:**

### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

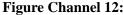


Test Item : Band Edge Test Date : 2017/09/23

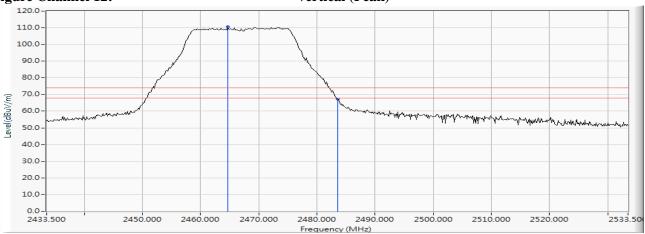
Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) 2467MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
12 (Peak)	2464.659	12.349	98.335	110.684			
12 (Peak)	2483.500	12.403	54.973	67.376	74.00	54.00	Pass
12 (Average)	2472.920	12.372	85.480	97.853			
12 (Average)	2483.500	12.403	39.473	51.876	74.00	54.00	Pass

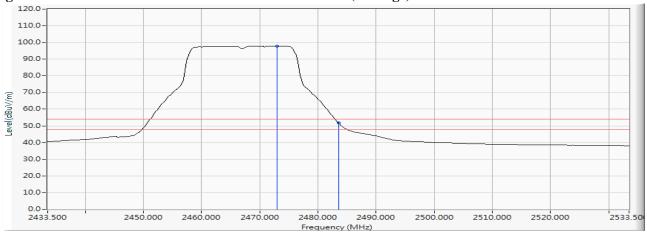


# Vertical (Peak)



#### **Figure Channel 12:**

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/23

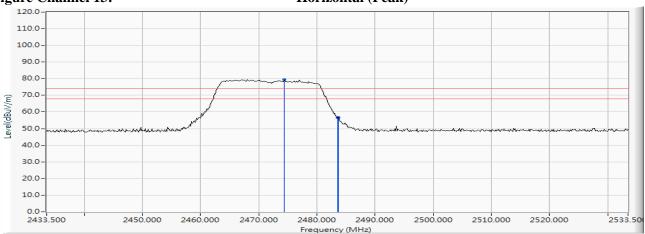
Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) 2472MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2474.370	12.377	66.956	79.333			
13 (Peak)	2483.500	12.403	44.193	56.596	74.00	54.00	Pass
13 (Peak)	2483.645	12.403	44.245	56.648	74.00	54.00	Pass
13 (Average)	2466.833	12.355	55.460	67.815			
13 (Average)	2483.500	12.403	28.946	41.349	74.00	54.00	Pass

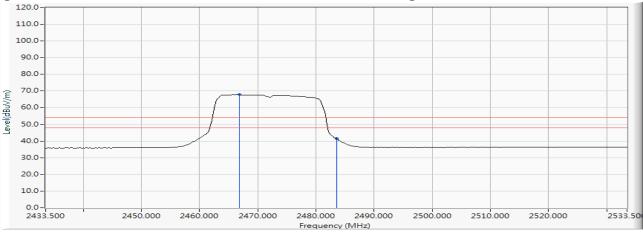
# **Figure Channel 13:**

# Horizontal (Peak)



## Figure Channel 13:

# Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/23

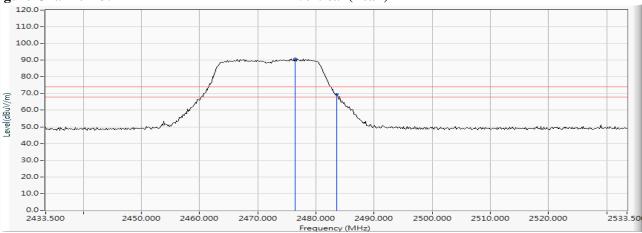
Test Mode : Mode 3 MIMO: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band) 2472MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	D = 014
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
13 (Peak)	2476.399	12.383	78.350	90.733			
13 (Peak)	2483.500	12.403	57.107	69.510	74.00	54.00	Pass
13 (Average)	2475.384	12.380	65.770	78.150			
13 (Average)	2483.500	12.403	40.151	52.554	74.00	54.00	Pass

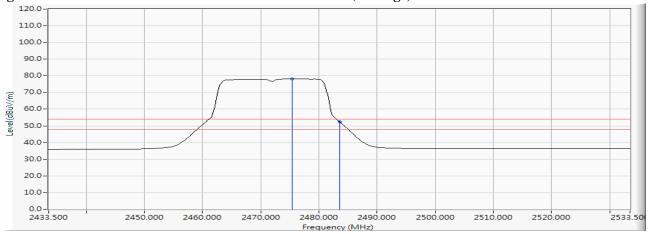
# Figure Channel 13:

# Vertical (Peak)



#### **Figure Channel 13:**

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/23

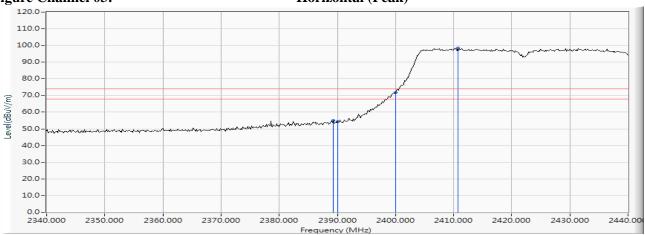
Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) 2422MHz

#### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
03 (Peak)	2389.275	12.146	42.711	54.857	74.00	54.00	Pass
03 (Peak)	2390.000	12.148	42.239	54.387	74.00	54.00	Pass
03 (Peak)	2400.000	12.176	59.468	71.644			
03 (Peak)	2410.725	12.201	86.158	98.359			
03 (Average)	2390.000	12.148	28.868	41.016	74.00	54.00	Pass
03 (Average)	2400.000	12.176	45.091	57.267			
03 (Average)	2408.841	12.197	73.616	85.812			

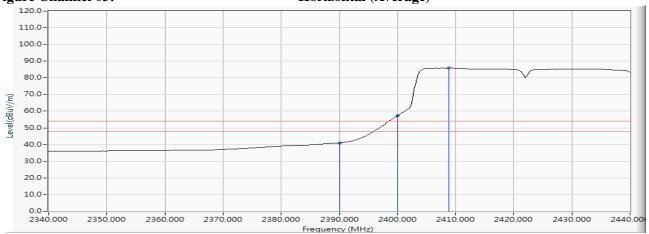
# Figure Channel 03:

### Horizontal (Peak)



## **Figure Channel 03:**

## Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/23

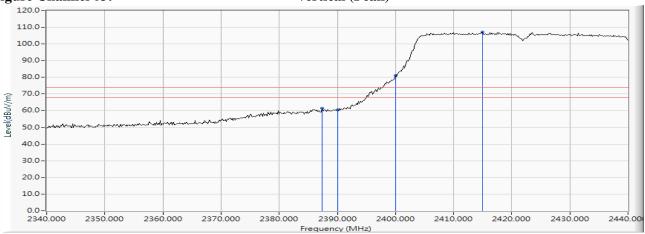
Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) 2422MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
03 (Peak)	2387.391	12.141	49.166	61.307	74.00	54.00	Pass
03 (Peak)	2390.000	12.148	48.215	60.363	74.00	54.00	Pass
03 (Peak)	2400.000	12.176	68.977	81.153			
03 (Peak)	2414.928	12.210	94.953	107.163			
03 (Average)	2390.000	12.148	35.644	47.792	74.00	54.00	Pass
03 (Average)	2400.000	12.176	53.194	65.370	74.00	54.00	Pass
03 (Average)	2417.391	12.216	82.089	94.305			

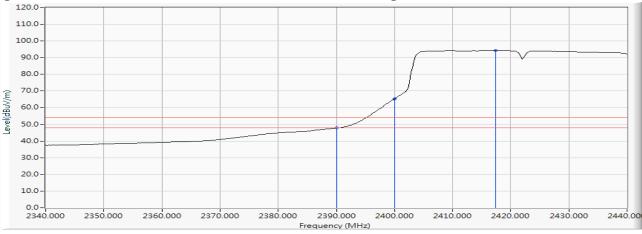
# Figure Channel 03:

# Vertical (Peak)



# Figure Channel 03:

# Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/26

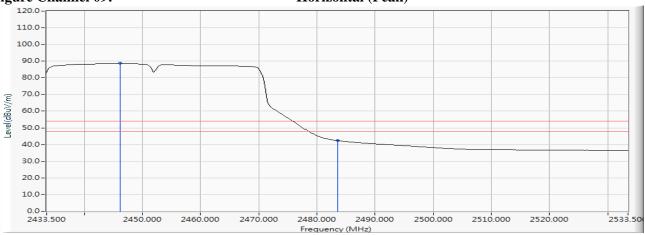
Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) 2452MHz

# **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
09 (Peak)	2446.109	12.297	76.370	88.666			
09 (Peak)	2483.500	12.403	29.933	42.336	74.00	54.00	Pass
09 (Average)	2445.094	12.293	88.677	100.970			
09 (Average)	2483.500	12.403	43.574	55.977	74.00	54.00	Pass
09 (Average)	2483.645	12.403	44.577	56.980	74.00	54.00	Pass

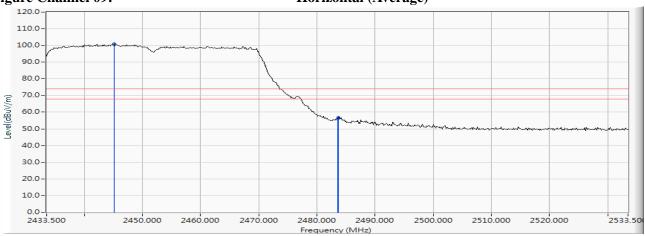
# Figure Channel 09:

# Horizontal (Peak)



### Figure Channel 09:

#### **Horizontal** (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/26

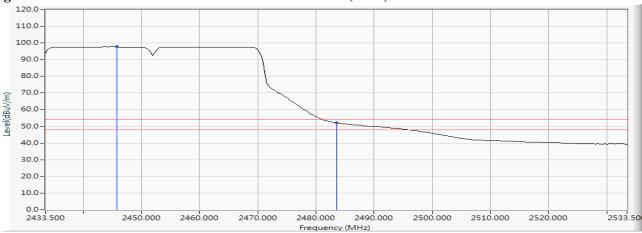
Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) 2452MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
09 (Peak)	2445.819	12.296	85.522	97.818	-	-	
09 (Peak)	2483.500	12.403	39.717	52.120	74.00	54.00	Pass
09 (Average)	2457.848	12.330	98.490	110.820			
09 (Average)	2483.500	12.403	52.580	64.983	74.00	54.00	Pass
09 (Average)	2483.790	12.403	55.226	67.629	74.00	54.00	Pass

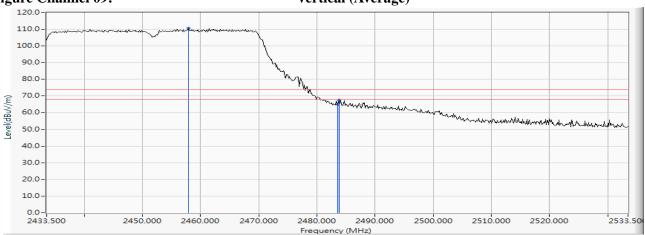
# Figure Channel 09:

# Vertical (Peak)



### Figure Channel 09:

### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/26

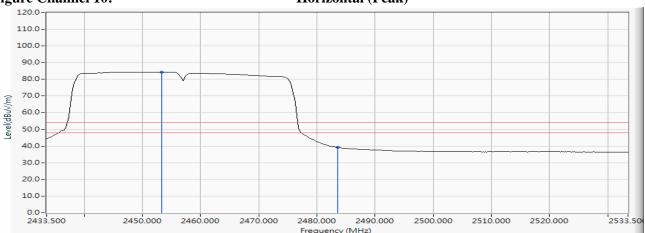
Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) 2457MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Dagult
Chamlei No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
10 (Peak)	2453.355	12.317	72.117	84.434			
10 (Peak)	2483.500	12.403	26.758	39.161	74.00	54.00	Pass
10 (Average)	2446.688	12.298	84.270	96.568			
10 (Average)	2483.500	12.403	44.106	56.509	74.00	54.00	Pass

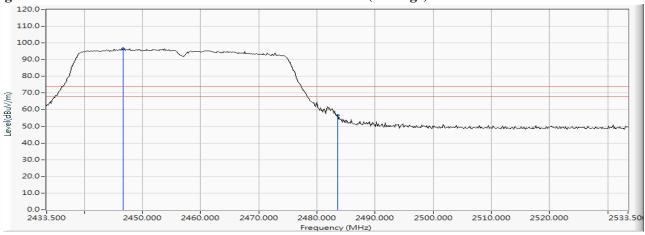
# **Figure Channel 10:**

# Horizontal (Peak)



# Figure Channel 10:

#### **Horizontal (Average)**



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/26

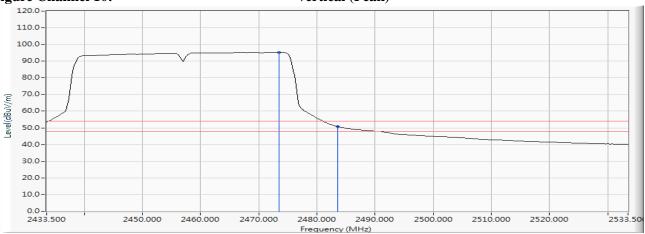
Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) 2457MHz

#### **RF Radiated Measurement (Vertical):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
10 (Peak)	2473.500	12.374	82.989	95.363	1		
10 (Peak)	2483.500	12.403	38.411	50.814	74.00	54.00	Pass
10 (Average)	2472.630	12.372	95.478	107.850			
10 (Average)	2483.500	12.403	60.716	73.119	74.00	54.00	Pass

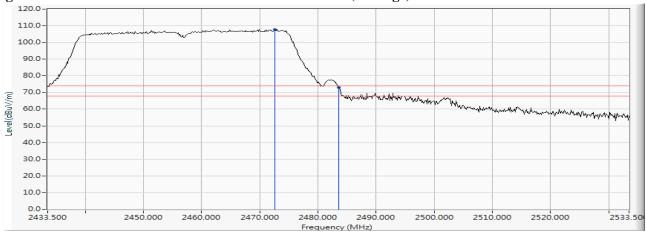
# Figure Channel 10:

# Vertical (Peak)



### Figure Channel 10:

#### Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/26

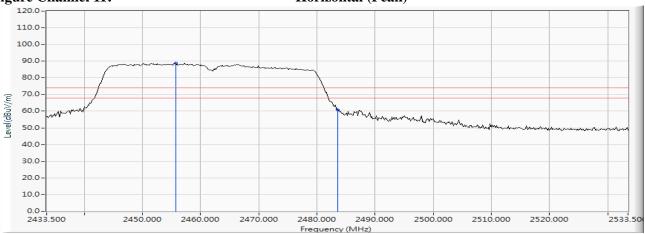
Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) 2462MHz

### **RF Radiated Measurement (Horizontal):**

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2455.674	12.324	76.568	88.892			
11 (Peak)	2483.500	12.403	48.517	60.920	74.00	54.00	Pass
11 (Average)	2454.949	12.322	64.446	76.768			
11 (Average)	2483.500	12.403	28.777	41.180	74.00	54.00	Pass

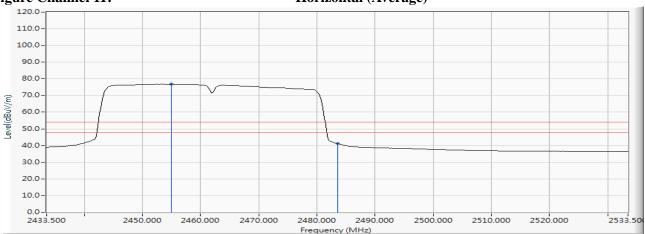
#### Figure Channel 11:

### Horizontal (Peak)



### Figure Channel 11:

# **Horizontal** (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Test Item : Band Edge Test Date : 2017/09/26

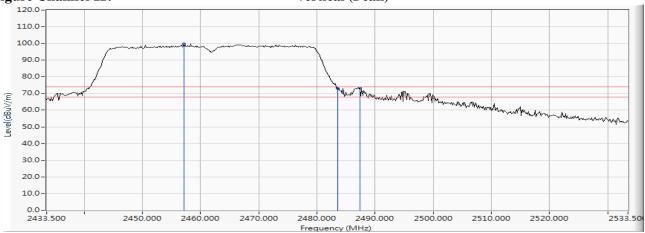
Test Mode : Mode 3 MIMO: Transmit - 802.11n-40BW\_30Mbps(2.4G Band) 2462MHz

### **RF** Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
11 (Peak)	2457.123	12.327	87.381	99.709			
11 (Peak)	2483.500	12.403	60.510	72.913	74.00	54.00	Pass
11 (Peak)	2487.413	12.413	60.910	73.323	74.00	54.00	Pass
11 (Average)	2464.804	12.350	74.602	86.951			
11 (Average)	2483.500	12.403	39.030	51.433	74.00	54.00	Pass

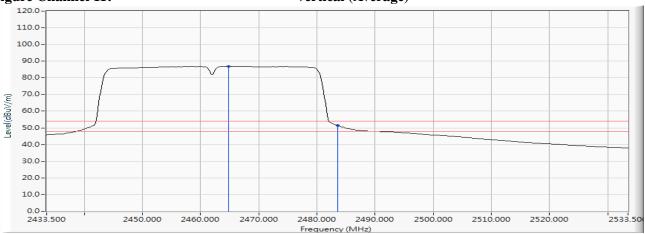
#### **Figure Channel 11:**

# Vertical (Peak)



## Figure Channel 11:

# Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "\*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.