

RF Test Report

Applicant : ASUSTeK COMPUTER INC.
Applicant Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Product Type : Intel WiFi 6 AX201
Trade Name : Intel
Model Number : AX201D2W
Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013
Received Date : Jan. 21, 2020
Test Period : Feb. 19 ~ Feb. 20, 2020
Issued Date : Mar. 23, 2020

Issued by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
Taoyuan City 33465, Taiwan (R.O.C.)
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330

Test Firm MRA designation number: TW0010

Note:

- 1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
- 2.This report shall not be reproduced except in full, without the written approval of A Test Lab Technology Corporation.
- 3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.



Revision History

Rev.	Issued Date	Revisions	Revised By
00	Mar. 06, 2020	Initial Issue	Tobey Cheng
01	Mar. 23, 2020	Page 7 Revised Class II Permissive Change.	Tobey Cheng

Verification of Compliance

Issued Date: Mar. 23, 2020

Applicant : ASUSTeK COMPUTER INC.
Applicant Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Product Type : Intel WiFi 6 AX201
Trade Name : Intel
Model Number : AX201D2W
FCC ID : MSQAX201D2
EUT Rated Voltage : DC 3.3 V
Test Voltage : 120 Vac / 60 Hz
Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013
Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330
<http://www.atl-lab.com.tw/e-index.htm>

A Test Lab Techno Corp. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by A Test Lab Techno Corp. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By

: Fly Lu

(Manager)

(Fly Lu)

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1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.207	AC Power Conducted Emission	N/A	Note 1
15.247(d)	Transmitter Radiated Emissions	PASS	Note 2
15.247(b)(3)	Max. Output Power	N/A	Note 1
15.247(a)(2)	6 dB RF Bandwidth	N/A	Note 1
15.247(e)	Maximum Power Spectral Density	N/A	Note 1
15.247(d)	Out of Band Conducted Spurious Emission	N/A	Note 1
15.203	Antenna Requirement	PASS	-----

Note 1 : C2PC No need for verification, test results could be referred to RF module AX201D2W report (180717-03.TR04).

Note 2 : Only verify the worst channel Band Edge. The Harmonic test results could be referred to RF module AX201D2W report (180717-03.TR04).

Standard	Description
CFR47, Part 15, Subpart C	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01 15.247 Meas Guidance v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES

1.2. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Radiated Emission	9 kHz ~ 30 MHz	1.7
	30 MHz ~ 1000 MHz	5.7
	1000 MHz ~ 18000 MHz	5.6
	18000 MHz ~ 26500 MHz	4.9
	26500 MHz ~ 40000 MHz	4.8
Conducted Output Power	+0.27 dB / -0.28 dB	
Duty Cycle	1.06 %	

Decision Rule

- ☒ Uncertainty is not included.
- ☐ Uncertainty is included.

2 Description of Equipment Under Test

Applicant	ASUSTeK COMPUTER INC. 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan			
Manufacturer	ASUSTeK COMPUTER INC. 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan			
Product Type	Intel WiFi 6 AX201			
Trade Name	Intel			
Model Number	AX201D2W			
FCC ID	MSQAX201D2			
Class II Permissive Change	(1) This is to request a Class II permissive change for FCC ID: MSQAX201D2, originally granted on 03/21/2019 Modification: Change #1: Additional chassis added, ASUSTeK, model number: UX393J, BX393J, UX393E, BX393E Models differences: All models are electrically identical, different model names are for marketing purpose. Change #2: Reduces WIFI output power through BIOS that cannot be changed by end user and SAR were evaluated accordingly. Change #3: Adds new antennas that meet FCC Part 15 equivalent-type			
Host Information	Product Type: Notebook PC Trade Name: ASUS Model Name: UX393J, BX393J, UX393E, BX393E (All models are electrically identical, different model names are for marketing purpose.)			
Operate Freq. Band	Frequency Range (MHz)	Modulation	Channel Bandwidth	Data Rate
IEEE 802.11b	2412 ~ 2472	DSSS	20 MHz	Up to 11 Mbps
IEEE 802.11g	2412 ~ 2472	OFDM	20 MHz	Up to 54 Mbps
IEEE 802.11n 2.4 GHz 20 MHz	2412 ~ 2472	OFDM	20 MHz	Up to 144.4 Mbps
IEEE 802.11n 2.4 GHz 40 MHz	2422 ~ 2462	OFDM	40 MHz	Up to 300 Mbps
IEEE 802.11ax 2.4 GHz 20 MHz	2412 ~ 2472	OFDMA	20 MHz	Up to 286.8 Mbps
IEEE 802.11ax 2.4 GHz 40 MHz	2422 ~ 2462	OFDMA	40 MHz	Up to 573.5 Mbps
Antenna Delivery	See section 3.1			
Operate Temp. Range	0 ~ +80 °C			

Antenna list:

Antenna Source	ANT	Manufacturer	Part No. (Vendor)	ASUS Part No.	Type	Frequency	Max. Gain (dBi)
1	Chain A	INPAQ	MDA-LB-01-010	14008-03960000	PIFA Antenna	2402 - 2480	-3.16
	Chain B	INPAQ	MDA-LB-02-021	14008-03960200	PIFA Antenna	2402 - 2480	-3.12
2	Chain A	Yageo	SZ16474	14008-03960100	PIFA Antenna	2402 - 2480	-3.21
	Chain B	Yageo	SZ16471	14008-03960300	PIFA Antenna	2402 - 2480	-4.60

Note :

1. Antenna Source 1 (INPAQ antenna) and Antenna Source 2 (Yageo antenna) are the same type of antenna, only different in manufacturer.
2. The Chain A is connected to AUX port / Chain B is connected to Main port of module.

3 Test Methodology

3.1. Mode of Operation

Decision of Test ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode
Mode 1: Transmit mode
Mode 2: IEEE 802.11b Continuous TX mode
Mode 3: IEEE 802.11g Continuous TX mode
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode
Mode 6: IEEE 802.11ax 2.4 GHz 20 MHz
Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz

Final-Test Mode
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode
Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz

Software used to control the EUT for staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes.

The device used four models of adapter, adapter number: ADP-65JW B is worst case to perform testing.

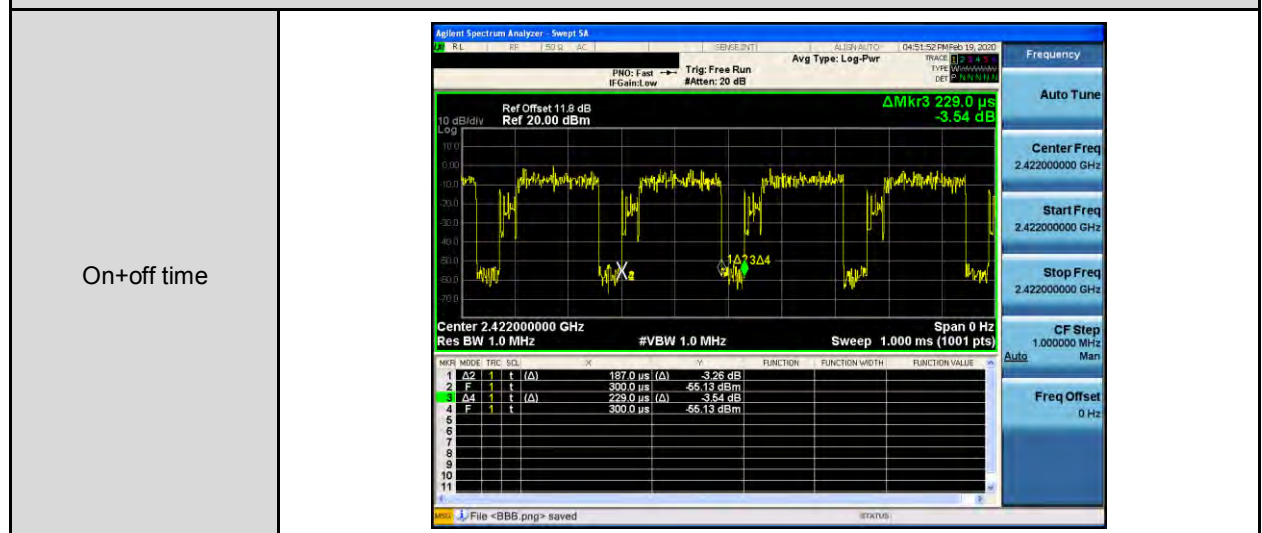
MIMO			
Test Mode	Chain A	Chain B	Chain A + Chain B
Mode 5	V	V	V
Mode 7	V	V	V
Test Mode	Antenna Delivery	MCS Index	Test Channel
Mode 5	2TX(MIMO)	MCS 8	3, 6, 9, 10, 11
Mode 7	2TX(MIMO)	MCS 0	3, 6, 9, 10, 11



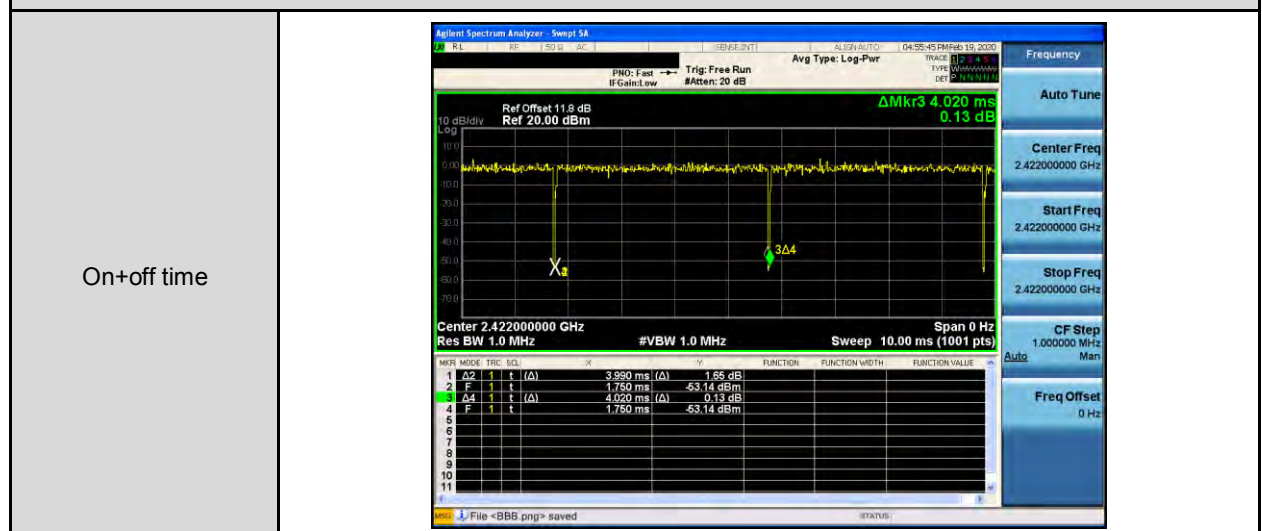
Duty cycle

MIMO						
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 5	2422.0	0.187	0.229	0.817	0.880	5.348
Mode 7	2422.0	3.990	4.020	0.993	0.033	0.010

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode



Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz



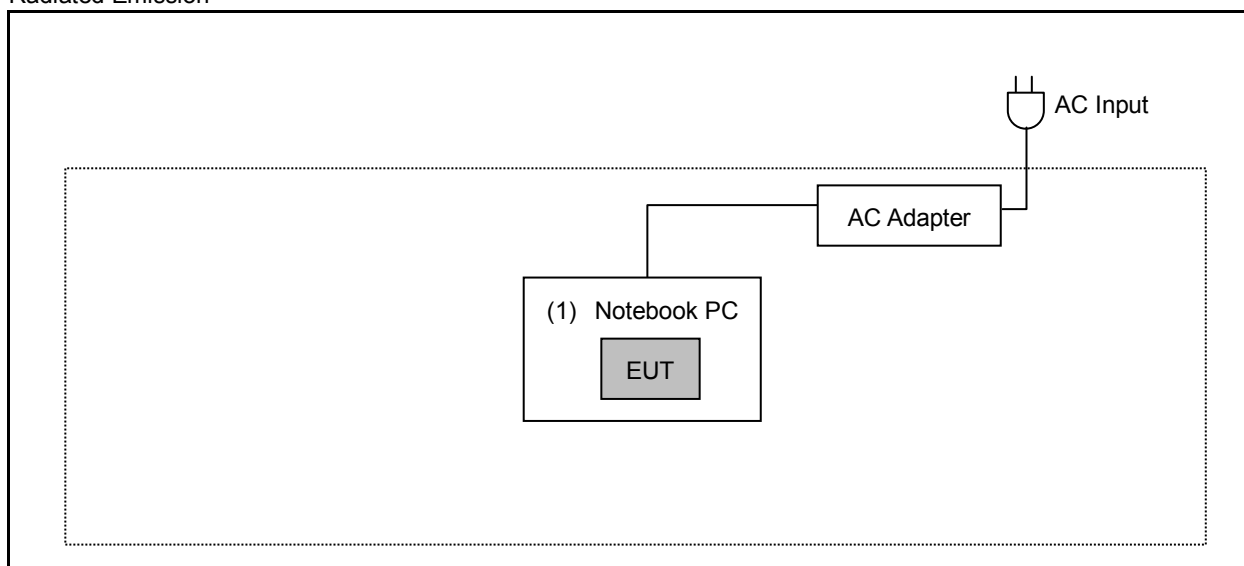
3.2. EUT Test Step

1	Setup the EUT by "Configuration of Test System Details" shown below.
2	Turn on the power of all equipment.
3	The EUT was programmed to be in continuously transmitting mode.
4	The EUT get into the test mode to provide data rate, channel, bandwidth and power level.

Measurement Software			
No.	Description	Software	Version
1	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

Radiated Emission



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook PC	ASUS	UX393J	---	---

3.4. Test Instruments

For Radiated Emissions

Test Period: Feb. 19 ~ Feb. 20, 2020

Testing Engineer: Ricky Liu

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/13/2020	1 year
Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02237	10/18/2019	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/22/2019	1 year
Horn Antenna (18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/14/2019	1 year
RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/20/2019 02/20/2020	1 year
Microwave Cable	EMCI	EMC104-SM -SM-13000	170814	10/29/2019	1 year
Microwave Cable	EMCI	EMC102-KM -KM-14000	151001	02/20/2019 02/20/2020	1 year

For Conducted

Test Period: Feb. 19, 2020

Testing Engineer: Negi Chiu

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/18/2019	1 year
Power Sensor	Anritsu	MA2411B	1126022	09/03/2019	1 year
Power Meter	Anritsu	ML2495A	1135009	09/03/2019	1 year

Note: N.C.R. = No Calibration Request.

3.5. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75
Barometric pressure (mbar)	860-1060	990-1005

4 Measurement Procedure

4.1. Radiated Emission Measurement

■ Limit

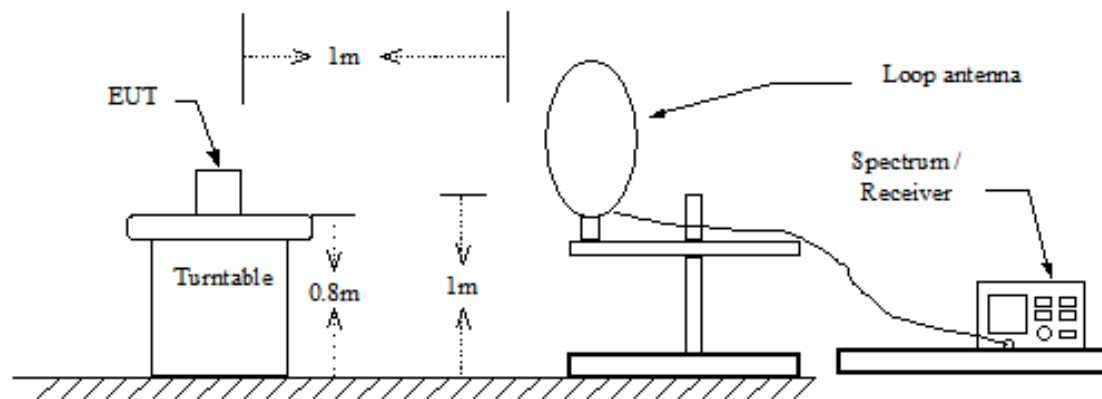
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$ at meter)	Measurement Distance (meters)
0.009 – 0.490	$2400 / F$ (kHz)	300
0.490 – 1.705	$24000 / F$ (kHz)	30
1.705 – 30.0	30	30
30 - 88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

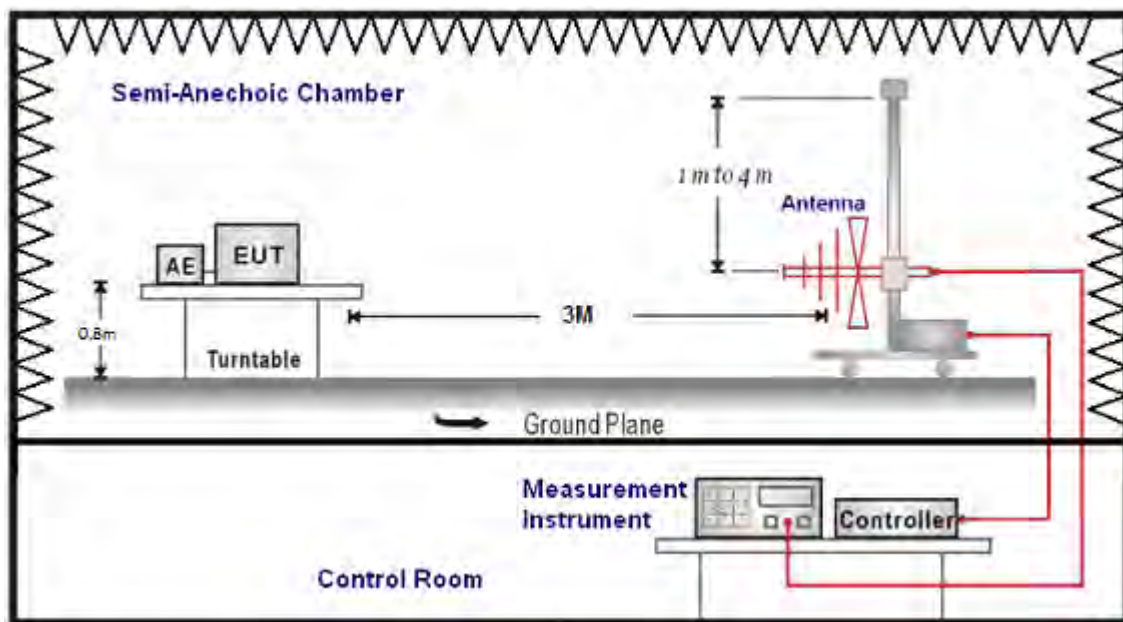
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

■ Setup

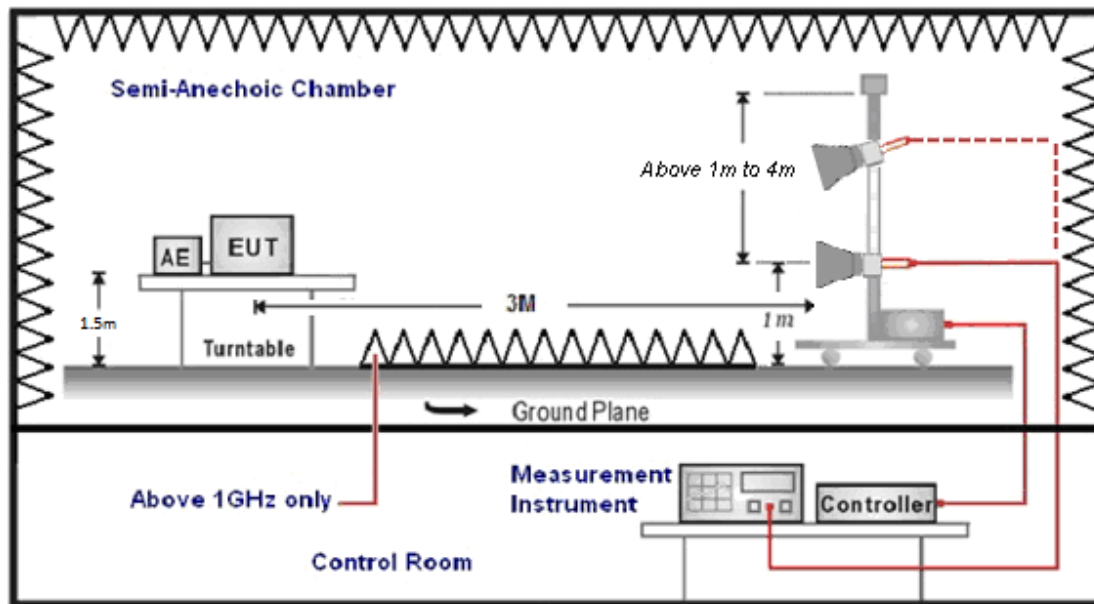
9 kHz ~ 30 MHz



Below 1 GHz



Above 1 GHz



■ Test Procedure

Please refer to ANSI C63.10-2013 clause 6.5 / 6.6 / 6.10.5 for the test method.

Please refer to ANSI C63.10-2013 clause 11.12.1 / 11.12.2.7 for the test method.



4.2. Antenna Measurement

■ Limit

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ Antenna Description

See section 2 – antenna information.

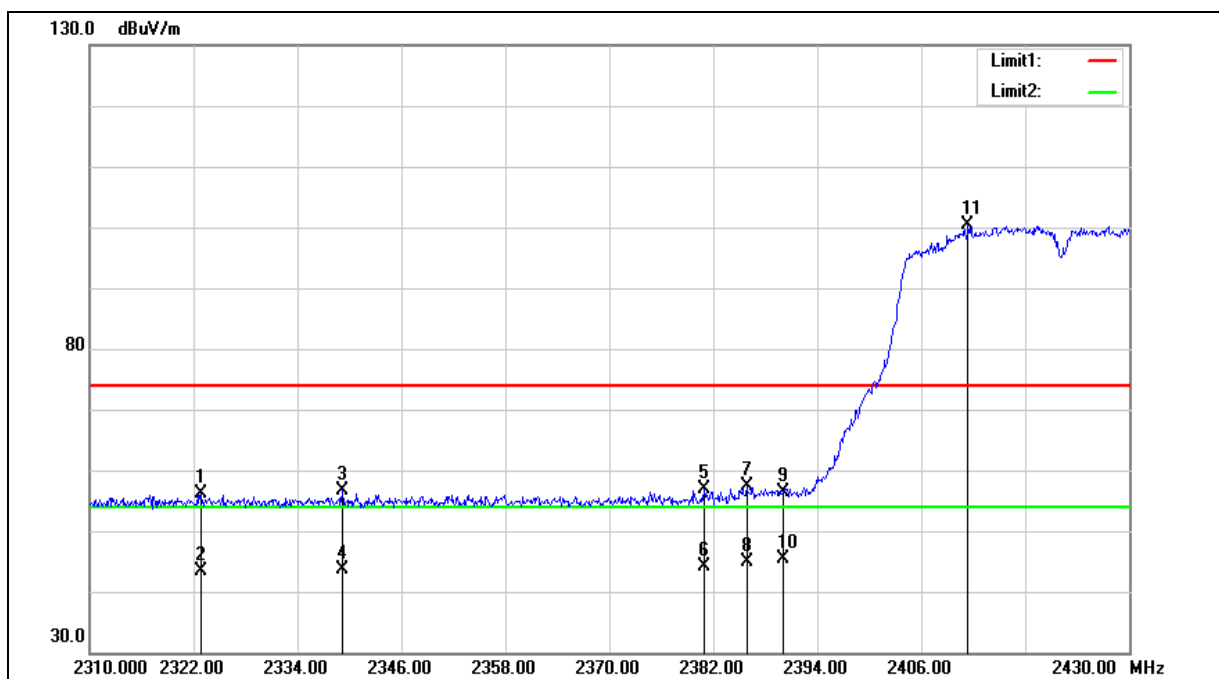
5 Test Results

Annex A. Radiated Emission Test Results

Band Edge

MIMO

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.00 , Output Power=11.47 dBm (AUX)Power Setting=11.75 , Output Power=11.38 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.00 , Output Power=11.47 dBm (AUX)Power Setting=11.75 , Output Power=11.38 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2322.840	57.22	-1.16	56.06	74.00	-17.94	peak
2	2322.840	44.61	-1.16	43.45	54.00	-10.55	AVG
3	2339.160	57.63	-1.08	56.55	74.00	-17.45	peak
4	2339.160	44.75	-1.08	43.67	54.00	-10.33	AVG
5	2380.920	57.70	-0.87	56.83	74.00	-17.17	peak
6	2380.920	45.01	-0.87	44.14	54.00	-9.86	AVG
7	2385.840	58.22	-0.85	57.37	74.00	-16.63	peak
8	2385.840	45.74	-0.85	44.89	54.00	-9.11	AVG
9	2390.000	57.18	-0.82	56.36	74.00	-17.64	peak
10	2390.000	46.28	-0.82	45.46	54.00	-8.54	AVG
11	2411.400	101.08	-0.72	100.36	--	--	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

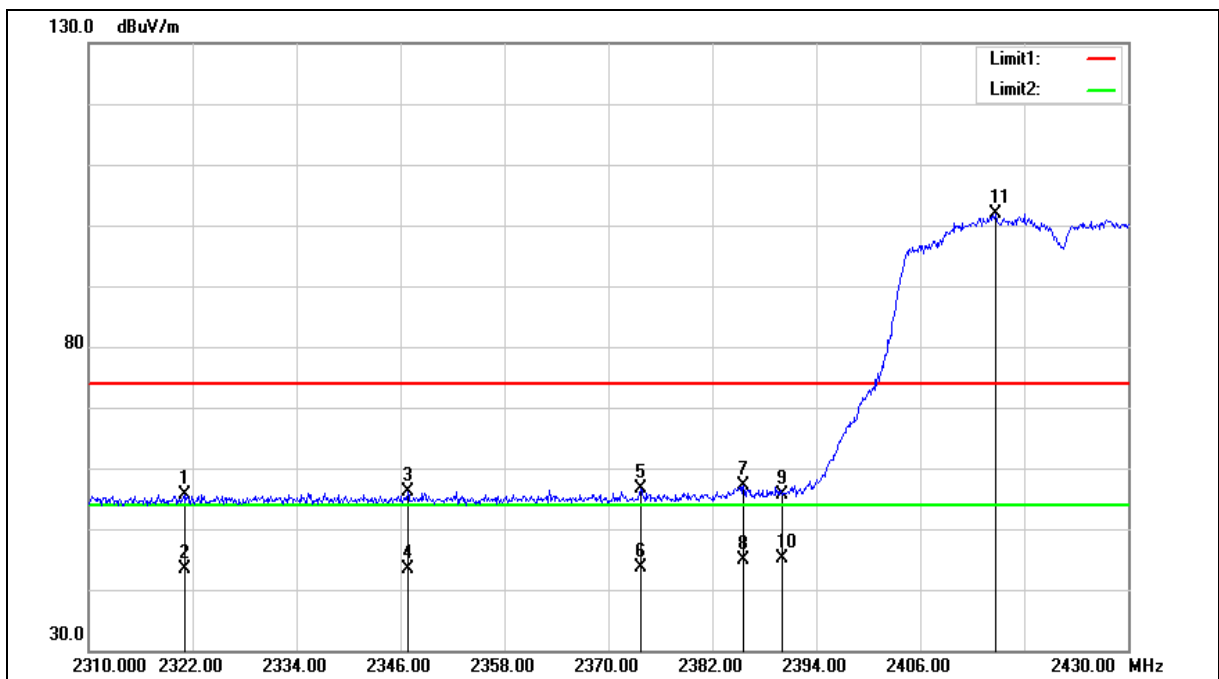
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.00 , Output Power=11.47 dBm		
	(AUX)Power Setting=11.75 , Output Power=11.38 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.00 , Output Power=11.47 dBm (AUX)Power Setting=11.75 , Output Power=11.38 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2321.040	56.82	-1.17	55.65	74.00	-18.35	peak
2	2321.040	44.52	-1.17	43.35	54.00	-10.65	AVG
3	2346.840	57.27	-1.04	56.23	74.00	-17.77	peak
4	2346.840	44.40	-1.04	43.36	54.00	-10.64	AVG
5	2373.720	57.45	-0.91	56.54	74.00	-17.46	peak
6	2373.720	44.49	-0.91	43.58	54.00	-10.42	AVG
7	2385.600	58.00	-0.85	57.15	74.00	-16.85	peak
8	2385.600	45.74	-0.85	44.89	54.00	-9.11	AVG
9	2390.000	56.55	-0.82	55.73	74.00	-18.27	peak
10	2390.000	45.96	-0.82	45.14	54.00	-8.86	AVG
11	2414.640	102.57	-0.70	101.87	--	--	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

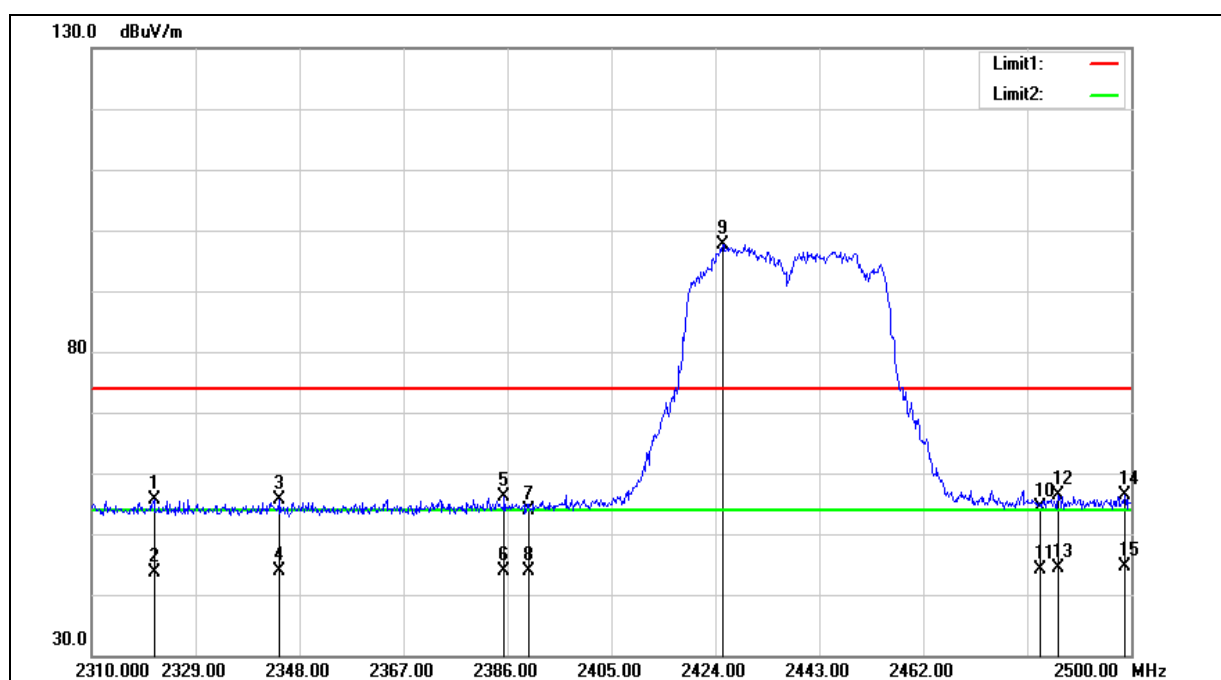
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.00 · Output Power=11.48 dBm		
	(AUX)Power Setting=11.625 · Output Power=11.47 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.00 · Output Power=11.48 dBm (AUX)Power Setting=11.625 · Output Power=11.47 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2321.400	56.77	-1.17	55.60	74.00	-18.40	peak
2	2321.400	44.87	-1.17	43.70	54.00	-10.30	AVG
3	2344.390	56.64	-1.05	55.59	74.00	-18.41	peak
4	2344.390	44.87	-1.05	43.82	54.00	-10.18	AVG
5	2385.430	56.87	-0.85	56.02	74.00	-17.98	peak
6	2385.430	44.76	-0.85	43.91	54.00	-10.09	AVG
7	2390.000	54.69	-0.82	53.87	74.00	-20.13	peak
8	2390.000	44.69	-0.82	43.87	54.00	-10.13	AVG
9	2425.330	98.39	-0.64	97.75	--	--	peak
10	2483.500	54.83	-0.35	54.48	74.00	-19.52	peak
11	2483.500	44.40	-0.35	44.05	54.00	-9.95	AVG
12	2486.700	56.59	-0.33	56.26	74.00	-17.74	peak
13	2486.700	44.81	-0.33	44.48	54.00	-9.52	AVG
14	2498.860	56.64	-0.26	56.38	74.00	-17.62	peak
15	2498.860	44.95	-0.26	44.69	54.00	-9.31	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

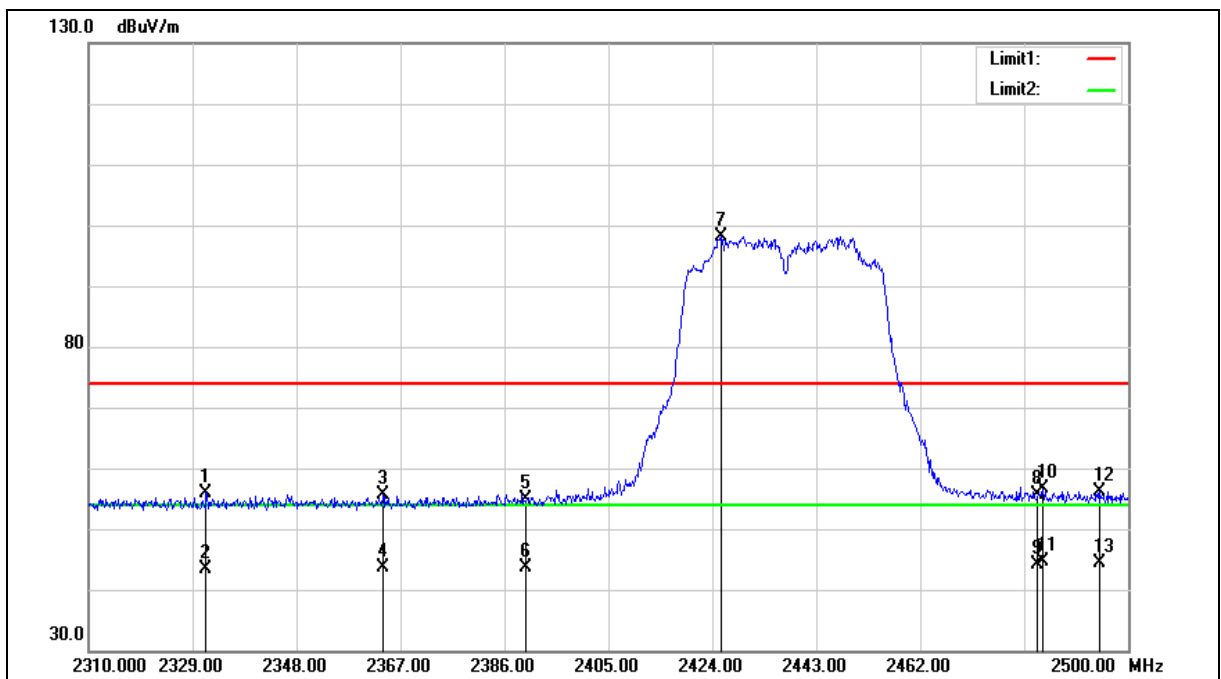
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.00 · Output Power=11.48 dBm		
	(AUX)Power Setting=11.625 · Output Power=11.47 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.00 · Output Power=11.48 dBm (AUX)Power Setting=11.625 · Output Power=11.47 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2331.470	57.11	-1.12	55.99	74.00	-18.01	peak
2	2331.470	44.54	-1.12	43.42	54.00	-10.58	AVG
3	2363.770	56.56	-0.96	55.60	74.00	-18.40	peak
4	2363.770	44.65	-0.96	43.69	54.00	-10.31	AVG
5	2390.000	55.68	-0.82	54.86	74.00	-19.14	peak
6	2390.000	44.50	-0.82	43.68	54.00	-10.32	AVG
7	2425.520	98.78	-0.64	98.14	--	--	peak
8	2483.500	56.02	-0.35	55.67	74.00	-18.33	peak
9	2483.500	44.43	-0.35	44.08	54.00	-9.92	AVG
10	2484.420	56.93	-0.34	56.59	74.00	-17.41	peak
11	2484.420	44.95	-0.34	44.61	54.00	-9.39	AVG
12	2494.870	56.53	-0.29	56.24	74.00	-17.76	peak
13	2494.870	44.79	-0.29	44.50	54.00	-9.50	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

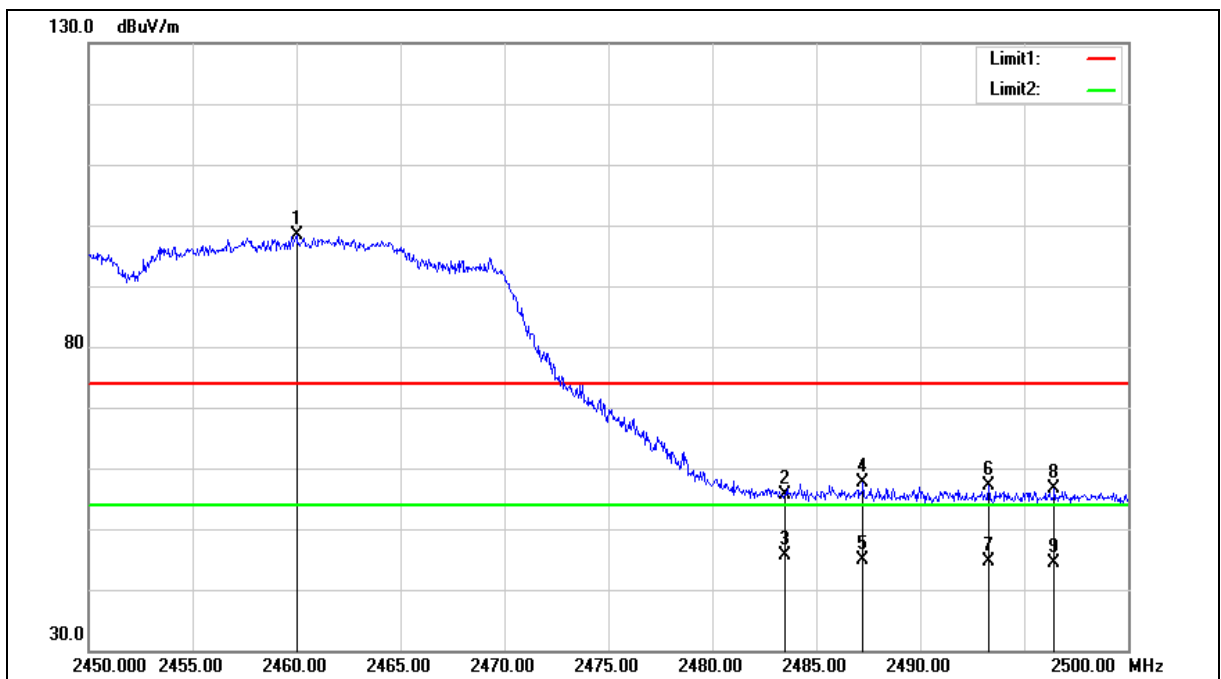
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.00 , Output Power=11.47 dBm		
	(AUX)Power Setting=11.50 , Output Power=11.42 dBm		





Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.00 · Output Power=11.47 dBm (AUX)Power Setting=11.50 · Output Power=11.42 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.000	98.93	-0.47	98.46	--	--	peak
2	2483.500	56.04	-0.35	55.69	74.00	-18.31	peak
3	2483.500	45.94	-0.35	45.59	54.00	-8.41	AVG
4	2487.250	57.84	-0.32	57.52	74.00	-16.48	peak
5	2487.250	45.10	-0.32	44.78	54.00	-9.22	AVG
6	2493.300	57.35	-0.29	57.06	74.00	-16.94	peak
7	2493.300	44.96	-0.29	44.67	54.00	-9.33	AVG
8	2496.450	57.01	-0.28	56.73	74.00	-17.27	peak
9	2496.450	44.70	-0.28	44.42	54.00	-9.58	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

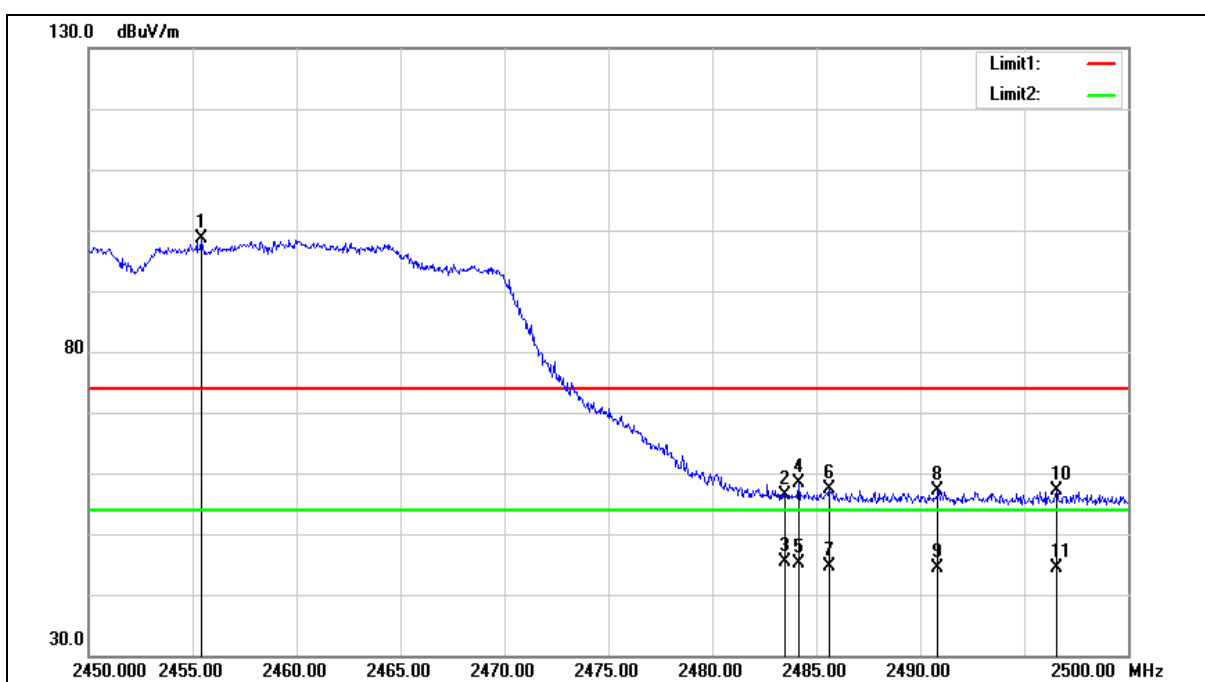
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.00 , Output Power=11.47 dBm		
	(AUX)Power Setting=11.50 , Output Power=11.42 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.00 , Output Power=11.47 dBm (AUX)Power Setting=11.50 , Output Power=11.42 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2455.400	99.09	-0.49	98.60	--	--	peak
2	2483.500	56.71	-0.35	56.36	74.00	-17.64	peak
3	2483.500	45.65	-0.35	45.30	54.00	-8.70	AVG
4	2484.150	58.76	-0.34	58.42	74.00	-15.58	peak
5	2484.150	45.35	-0.34	45.01	54.00	-8.99	AVG
6	2485.650	57.67	-0.34	57.33	74.00	-16.67	peak
7	2485.650	44.92	-0.34	44.58	54.00	-9.42	AVG
8	2490.850	57.44	-0.31	57.13	74.00	-16.87	peak
9	2490.850	44.76	-0.31	44.45	54.00	-9.55	AVG
10	2496.550	57.40	-0.28	57.12	74.00	-16.88	peak
11	2496.550	44.58	-0.28	44.30	54.00	-9.70	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

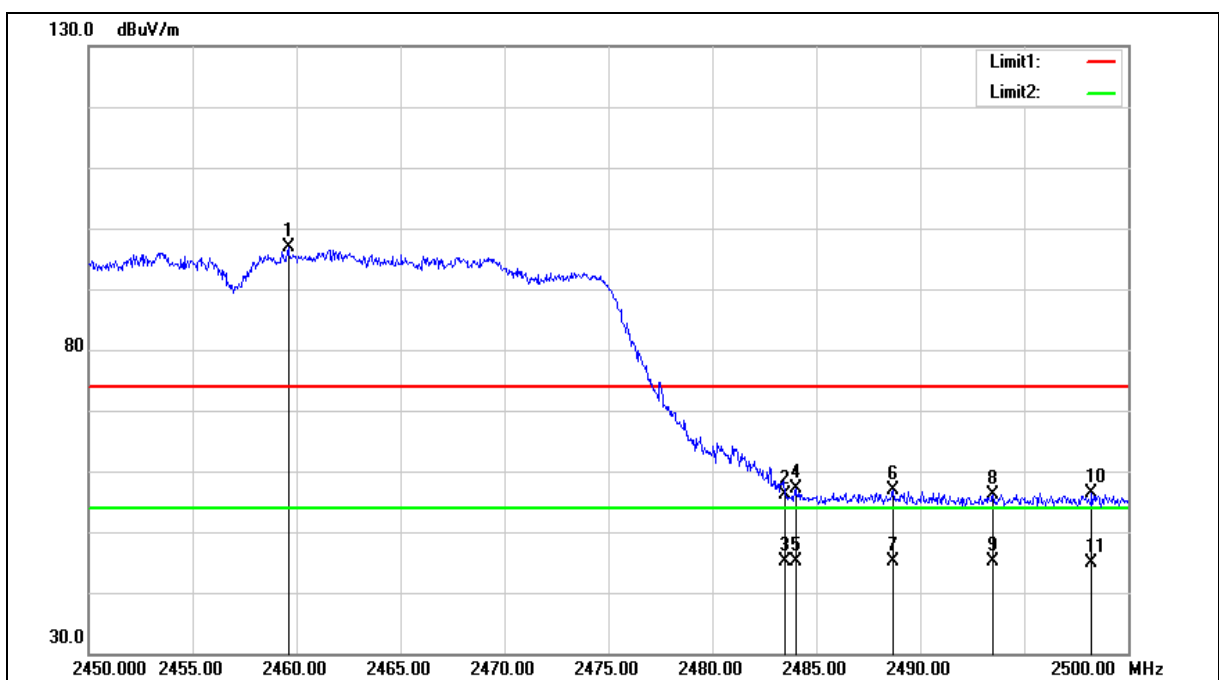
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2457 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=9.125 · Output Power=9.42 dBm		
	(AUX)Power Setting=9.50 · Output Power=9.45 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2457 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=9.125 · Output Power=9.42 dBm (AUX)Power Setting=9.50 · Output Power=9.45 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2459.600	97.39	-0.47	96.92	--	--	peak
2	2483.500	56.48	-0.35	56.13	74.00	-17.87	peak
3	2483.500	45.48	-0.35	45.13	54.00	-8.87	AVG
4	2484.000	57.57	-0.34	57.23	74.00	-16.77	peak
5	2484.000	45.45	-0.34	45.11	54.00	-8.89	AVG
6	2488.700	57.26	-0.32	56.94	74.00	-17.06	peak
7	2488.700	45.46	-0.32	45.14	54.00	-8.86	AVG
8	2493.500	56.52	-0.29	56.23	74.00	-17.77	peak
9	2493.500	45.30	-0.29	45.01	54.00	-8.99	AVG
10	2498.250	56.58	-0.27	56.31	74.00	-17.69	peak
11	2498.250	45.19	-0.27	44.92	54.00	-9.08	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

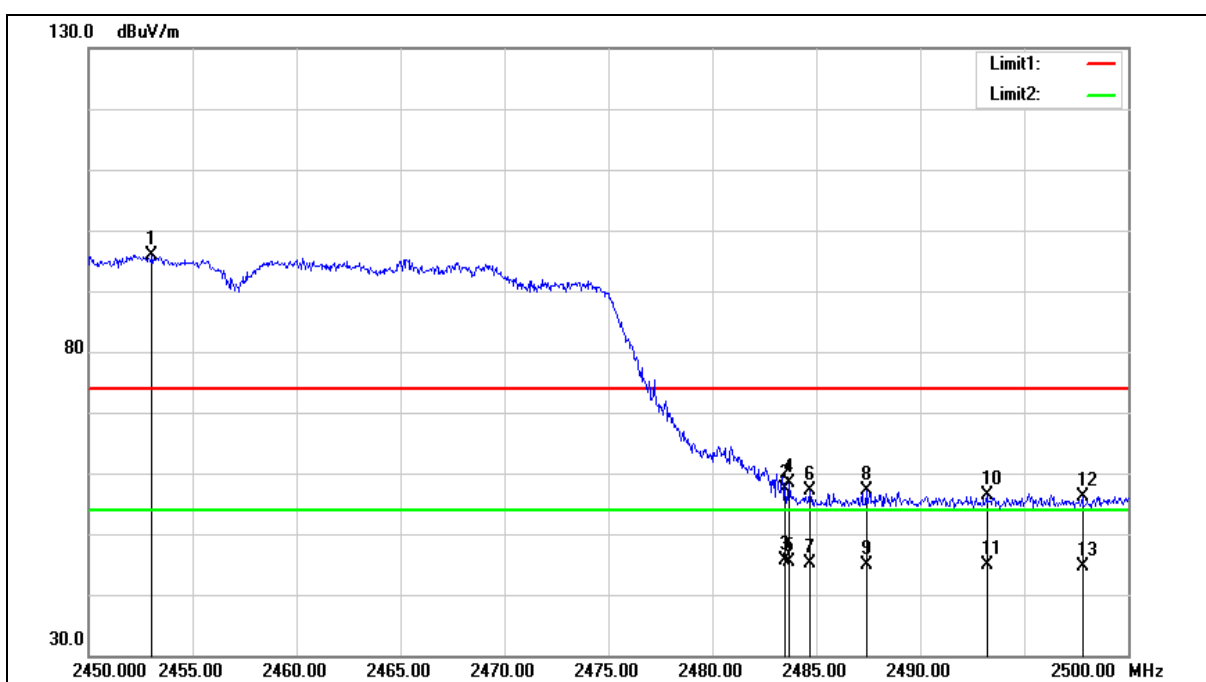
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2457 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=9.125 · Output Power=9.42 dBm		
	(AUX)Power Setting=9.50 · Output Power=9.45 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2457 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=9.125 · Output Power=9.42 dBm (AUX)Power Setting=9.50 · Output Power=9.45 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2453.050	96.31	-0.50	95.81	--	--	peak
2	2483.500	57.68	-0.35	57.33	74.00	-16.67	peak
3	2483.500	45.92	-0.35	45.57	54.00	-8.43	AVG
4	2483.700	58.72	-0.35	58.37	74.00	-15.63	peak
5	2483.700	45.77	-0.35	45.42	54.00	-8.58	AVG
6	2484.700	57.53	-0.34	57.19	74.00	-16.81	peak
7	2484.700	45.55	-0.34	45.21	54.00	-8.79	AVG
8	2487.400	57.49	-0.32	57.17	74.00	-16.83	peak
9	2487.400	45.31	-0.32	44.99	54.00	-9.01	AVG
10	2493.200	56.55	-0.29	56.26	74.00	-17.74	peak
11	2493.200	45.08	-0.29	44.79	54.00	-9.21	AVG
12	2497.800	56.51	-0.27	56.24	74.00	-17.76	peak
13	2497.800	44.79	-0.27	44.52	54.00	-9.48	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

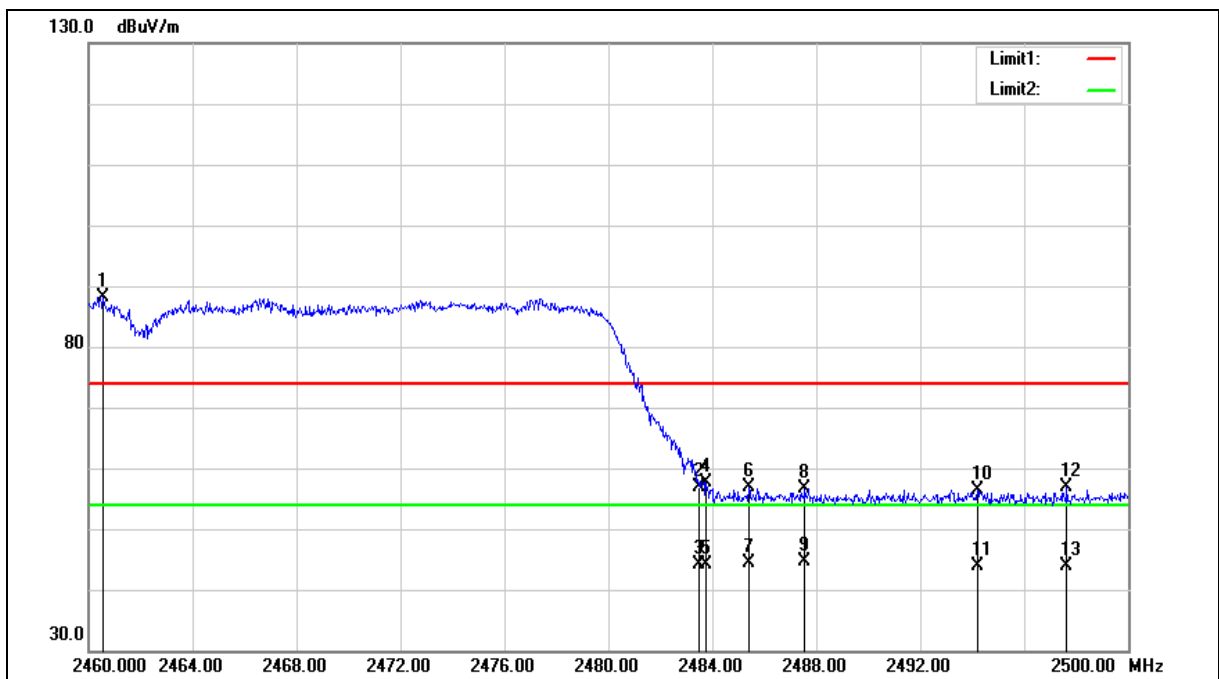
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=1.50 , Output Power=1.94 dBm		
	(AUX)Power Setting=2.50 , Output Power=1.88 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=1.50 , Output Power=1.94 dBm (AUX)Power Setting=2.50 , Output Power=1.88 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.560	88.69	-0.46	88.23	--	--	peak
2	2483.500	57.25	-0.35	56.90	74.00	-17.10	peak
3	2483.500	44.55	-0.35	44.20	54.00	-9.80	AVG
4	2483.760	58.09	-0.35	57.74	74.00	-16.26	peak
5	2483.760	44.54	-0.35	44.19	54.00	-9.81	AVG
6	2485.400	57.18	-0.34	56.84	74.00	-17.16	peak
7	2485.400	44.62	-0.34	44.28	54.00	-9.72	AVG
8	2487.560	57.01	-0.32	56.69	74.00	-17.31	peak
9	2487.560	44.84	-0.32	44.52	54.00	-9.48	AVG
10	2494.200	56.76	-0.29	56.47	74.00	-17.53	peak
11	2494.200	44.24	-0.29	43.95	54.00	-10.05	AVG
12	2497.640	57.03	-0.27	56.76	74.00	-17.24	peak
13	2497.640	44.03	-0.27	43.76	54.00	-10.24	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

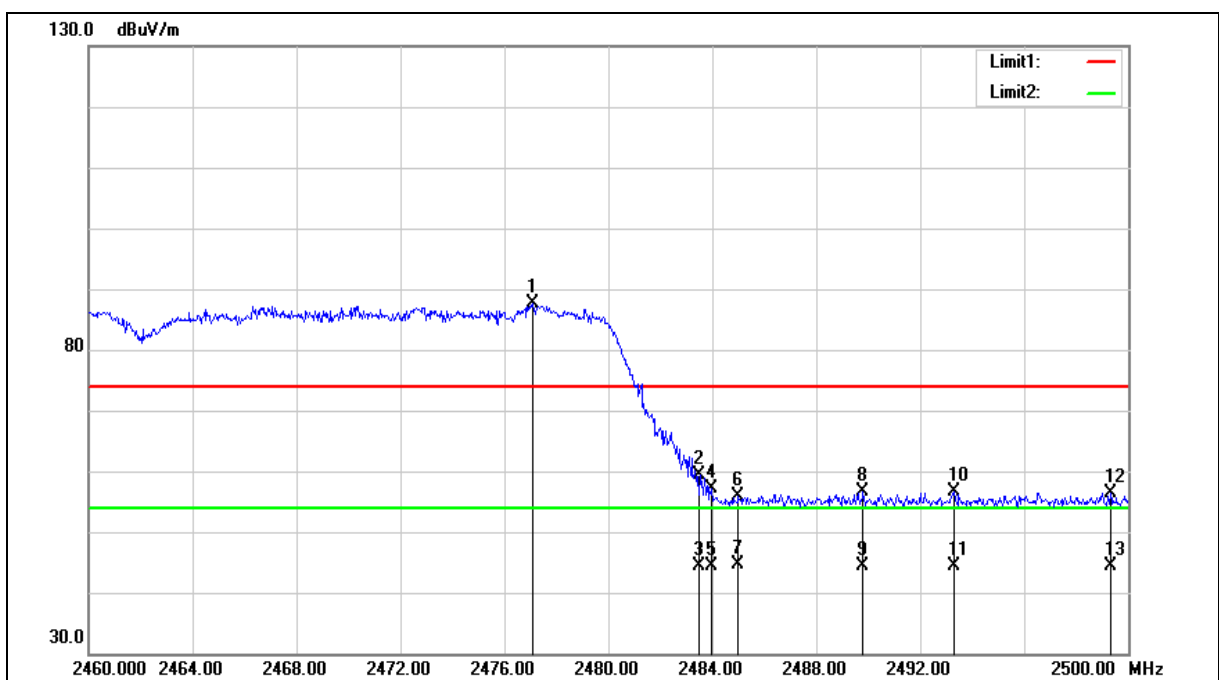
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=1.50 , Output Power=1.94 dBm		
	(AUX)Power Setting=2.50 , Output Power=1.88 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=1.50 , Output Power=1.94 dBm (AUX)Power Setting=2.50 , Output Power=1.88 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2477.080	87.94	-0.38	87.56	--	--	peak
2	2483.500	59.73	-0.35	59.38	74.00	-14.62	peak
3	2483.500	44.77	-0.35	44.42	54.00	-9.58	AVG
4	2483.960	57.43	-0.34	57.09	74.00	-16.91	peak
5	2483.960	44.70	-0.34	44.36	54.00	-9.64	AVG
6	2485.000	56.24	-0.34	55.90	74.00	-18.10	peak
7	2485.000	44.97	-0.34	44.63	54.00	-9.37	AVG
8	2489.800	56.85	-0.31	56.54	74.00	-17.46	peak
9	2489.800	44.60	-0.31	44.29	54.00	-9.71	AVG
10	2493.280	56.95	-0.29	56.66	74.00	-17.34	peak
11	2493.280	44.60	-0.29	44.31	54.00	-9.69	AVG
12	2499.320	56.74	-0.26	56.48	74.00	-17.52	peak
13	2499.320	44.71	-0.26	44.45	54.00	-9.55	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

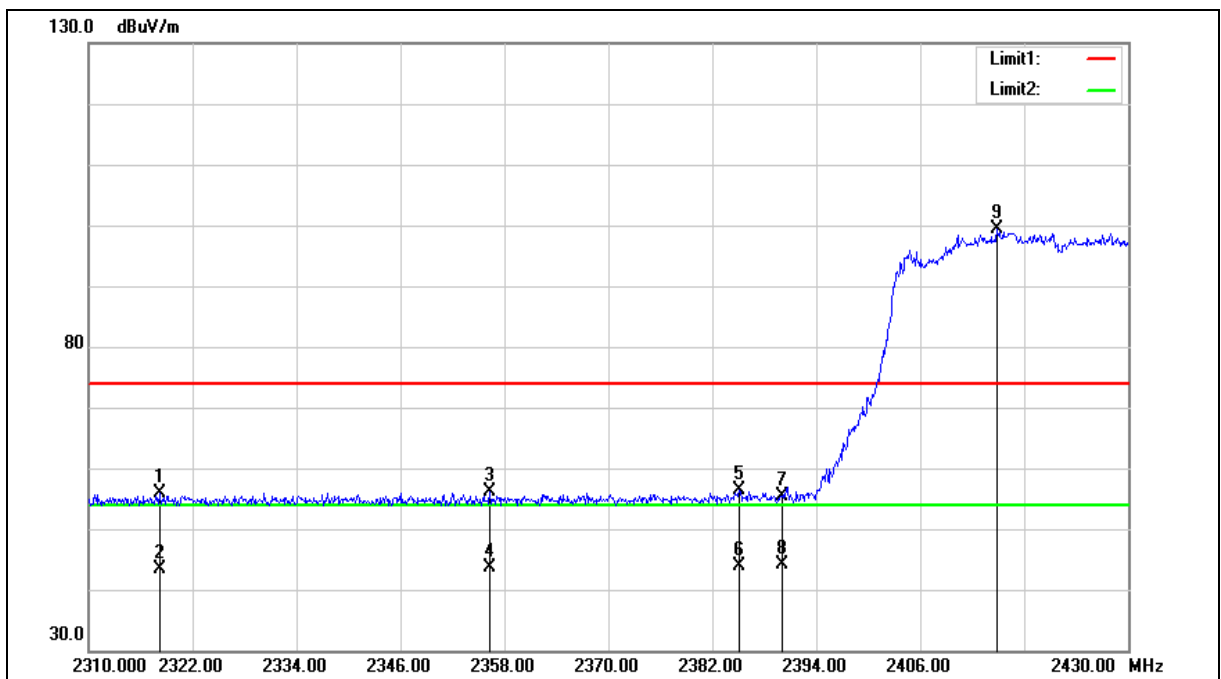
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.43 dBm (AUX)Power Setting=12.00 , Output Power=11.37 dBm		





Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.43 dBm (AUX)Power Setting=12.00 , Output Power=11.37 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2318.160	57.14	-1.19	55.95	74.00	-18.05	peak
2	2318.160	44.69	-1.19	43.50	54.00	-10.50	AVG
3	2356.320	57.11	-0.99	56.12	74.00	-17.88	peak
4	2356.320	44.62	-0.99	43.63	54.00	-10.37	AVG
5	2385.120	57.24	-0.85	56.39	74.00	-17.61	peak
6	2385.120	44.82	-0.85	43.97	54.00	-10.03	AVG
7	2390.000	56.16	-0.82	55.34	74.00	-18.66	peak
8	2390.000	44.97	-0.82	44.15	54.00	-9.85	AVG
9	2414.880	100.02	-0.70	99.32	--	--	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

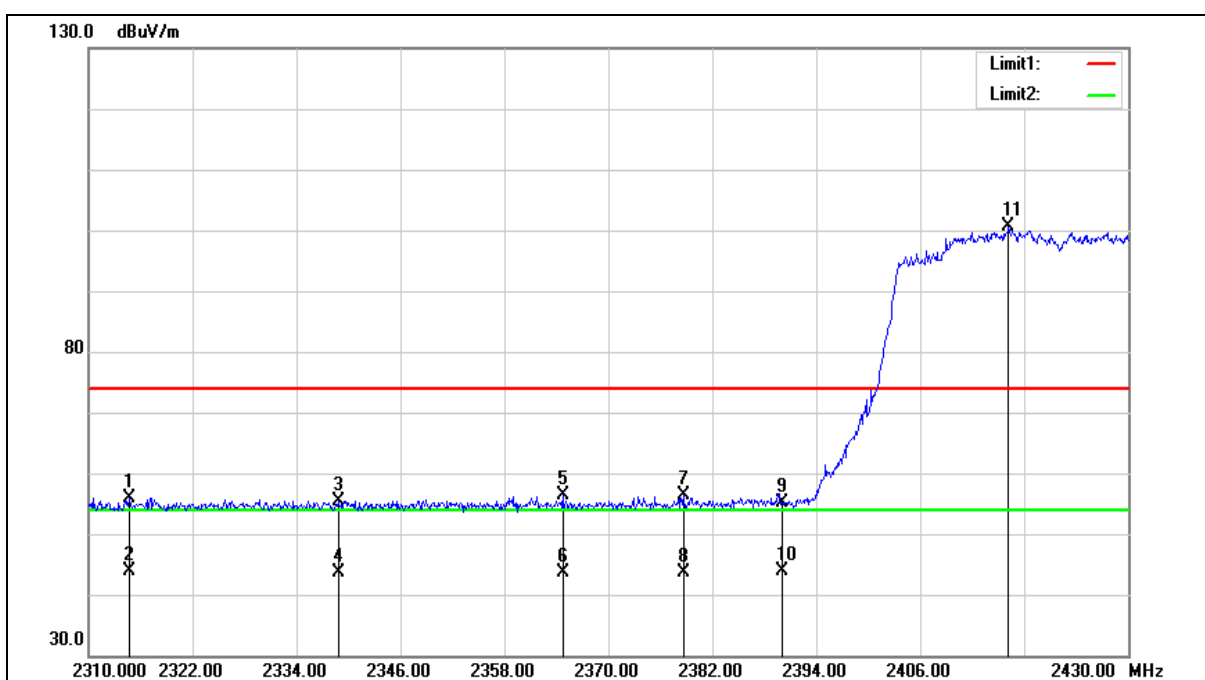
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.43 dBm		
	(AUX)Power Setting=12.00 , Output Power=11.37 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.43 dBm (AUX)Power Setting=12.00 , Output Power=11.37 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2314.680	57.16	-1.21	55.95	74.00	-18.05	peak
2	2314.680	45.08	-1.21	43.87	54.00	-10.13	AVG
3	2338.800	56.50	-1.08	55.42	74.00	-18.58	peak
4	2338.800	44.66	-1.08	43.58	54.00	-10.42	AVG
5	2364.720	57.25	-0.96	56.29	74.00	-17.71	peak
6	2364.720	44.48	-0.96	43.52	54.00	-10.48	AVG
7	2378.640	57.20	-0.88	56.32	74.00	-17.68	peak
8	2378.640	44.59	-0.88	43.71	54.00	-10.29	AVG
9	2390.000	55.89	-0.82	55.07	74.00	-18.93	peak
10	2390.000	44.77	-0.82	43.95	54.00	-10.05	AVG
11	2416.200	101.25	-0.69	100.56	--	--	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

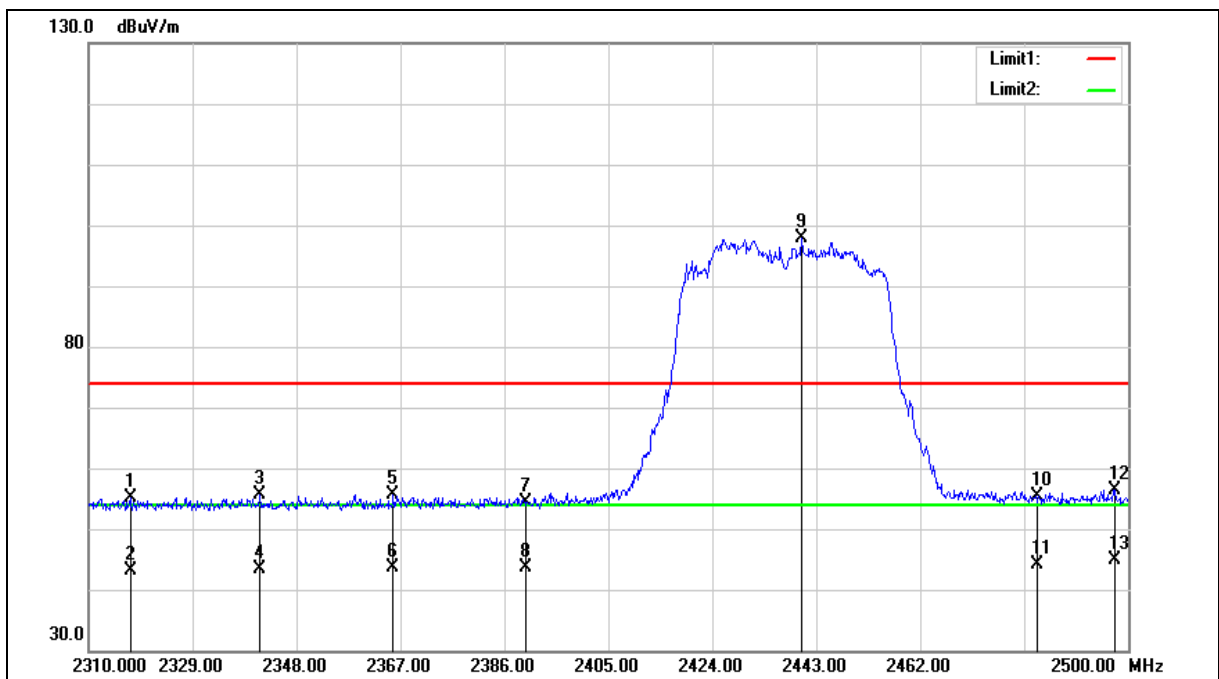
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.46 dBm		
	(AUX)Power Setting=12.00 , Output Power=11.43 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.46 dBm (AUX)Power Setting=12.00 , Output Power=11.43 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2317.600	56.28	-1.19	55.09	74.00	-18.91	peak
2	2317.600	44.43	-1.19	43.24	54.00	-10.76	AVG
3	2341.350	56.60	-1.07	55.53	74.00	-18.47	peak
4	2341.350	44.46	-1.07	43.39	54.00	-10.61	AVG
5	2365.670	56.54	-0.96	55.58	74.00	-18.42	peak
6	2365.670	44.52	-0.96	43.56	54.00	-10.44	AVG
7	2390.000	55.22	-0.82	54.40	74.00	-19.60	peak
8	2390.000	44.45	-0.82	43.63	54.00	-10.37	AVG
9	2440.340	98.36	-0.57	97.79	--	--	peak
10	2483.500	55.85	-0.35	55.50	74.00	-18.50	peak
11	2483.500	44.41	-0.35	44.06	54.00	-9.94	AVG
12	2497.530	56.57	-0.27	56.30	74.00	-17.70	peak
13	2497.530	45.05	-0.27	44.78	54.00	-9.22	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

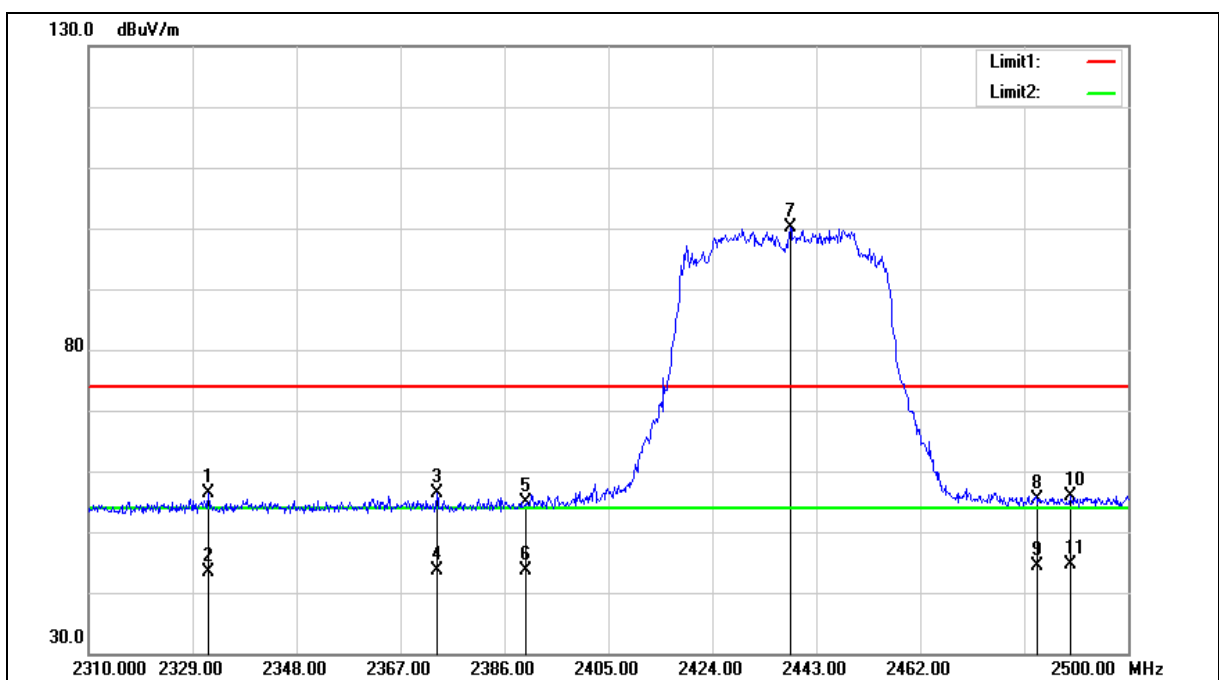
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.46 dBm (AUX)Power Setting=12.00 , Output Power=11.43 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.46 dBm (AUX)Power Setting=12.00 , Output Power=11.43 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2331.850	57.40	-1.12	56.28	74.00	-17.72	peak
2	2331.850	44.49	-1.12	43.37	54.00	-10.63	AVG
3	2373.650	57.22	-0.91	56.31	74.00	-17.69	peak
4	2373.650	44.46	-0.91	43.55	54.00	-10.45	AVG
5	2390.000	55.81	-0.82	54.99	74.00	-19.01	peak
6	2390.000	44.57	-0.82	43.75	54.00	-10.25	AVG
7	2438.250	100.79	-0.58	100.21	--	--	peak
8	2483.500	55.76	-0.35	55.41	74.00	-18.59	peak
9	2483.500	44.75	-0.35	44.40	54.00	-9.60	AVG
10	2489.360	56.25	-0.32	55.93	74.00	-18.07	peak
11	2489.360	45.06	-0.32	44.74	54.00	-9.26	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

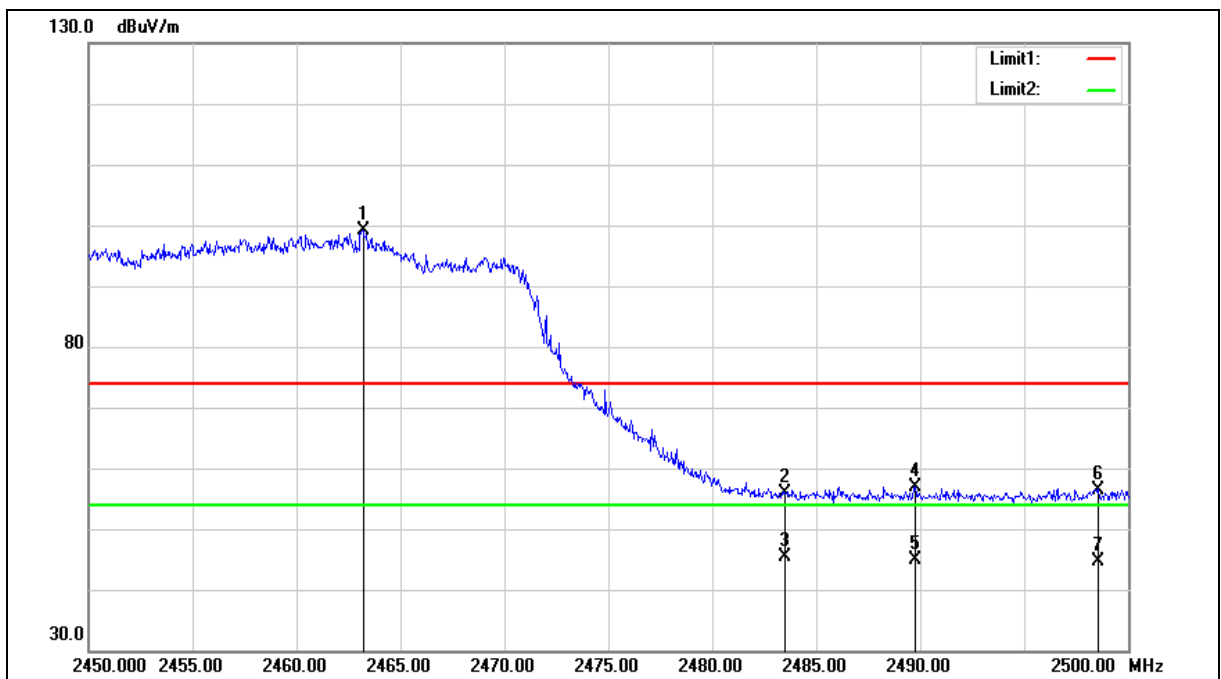
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.41 dBm		
	(AUX)Power Setting=12.00 , Output Power=11.37 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.41 dBm (AUX)Power Setting=12.00 , Output Power=11.37 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.200	99.57	-0.45	99.12	--	--	peak
2	2483.500	56.24	-0.35	55.89	74.00	-18.11	peak
3	2483.500	45.81	-0.35	45.46	54.00	-8.54	AVG
4	2489.750	57.18	-0.31	56.87	74.00	-17.13	peak
5	2489.750	45.09	-0.31	44.78	54.00	-9.22	AVG
6	2498.550	56.76	-0.26	56.50	74.00	-17.50	peak
7	2498.550	45.01	-0.26	44.75	54.00	-9.25	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

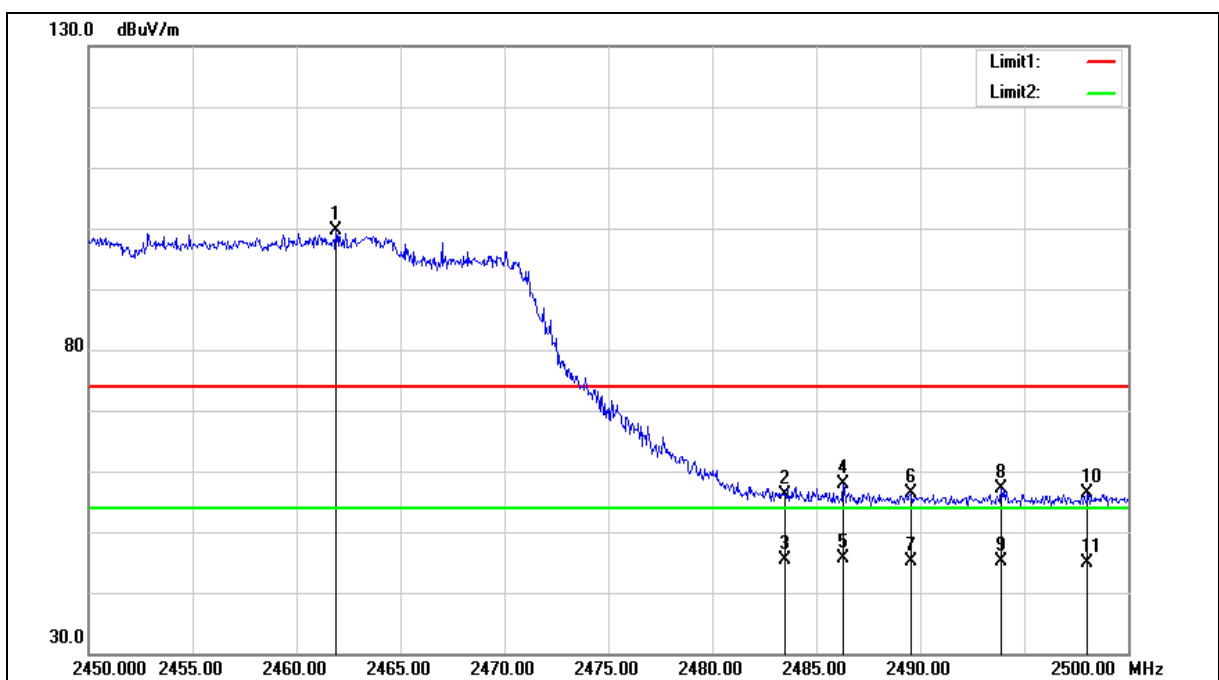
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.41 dBm		
	(AUX)Power Setting=12.00 , Output Power=11.37 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=11.125 , Output Power=11.41 dBm (AUX)Power Setting=12.00 , Output Power=11.37 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.900	99.99	-0.46	99.53	--	--	peak
2	2483.500	56.52	-0.35	56.17	74.00	-17.83	peak
3	2483.500	45.70	-0.35	45.35	54.00	-8.65	AVG
4	2486.300	58.20	-0.33	57.87	74.00	-16.13	peak
5	2486.300	45.93	-0.33	45.60	54.00	-8.40	AVG
6	2489.550	56.75	-0.32	56.43	74.00	-17.57	peak
7	2489.550	45.45	-0.32	45.13	54.00	-8.87	AVG
8	2493.900	57.53	-0.29	57.24	74.00	-16.76	peak
9	2493.900	45.36	-0.29	45.07	54.00	-8.93	AVG
10	2498.050	56.73	-0.27	56.46	74.00	-17.54	peak
11	2498.050	45.03	-0.27	44.76	54.00	-9.24	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

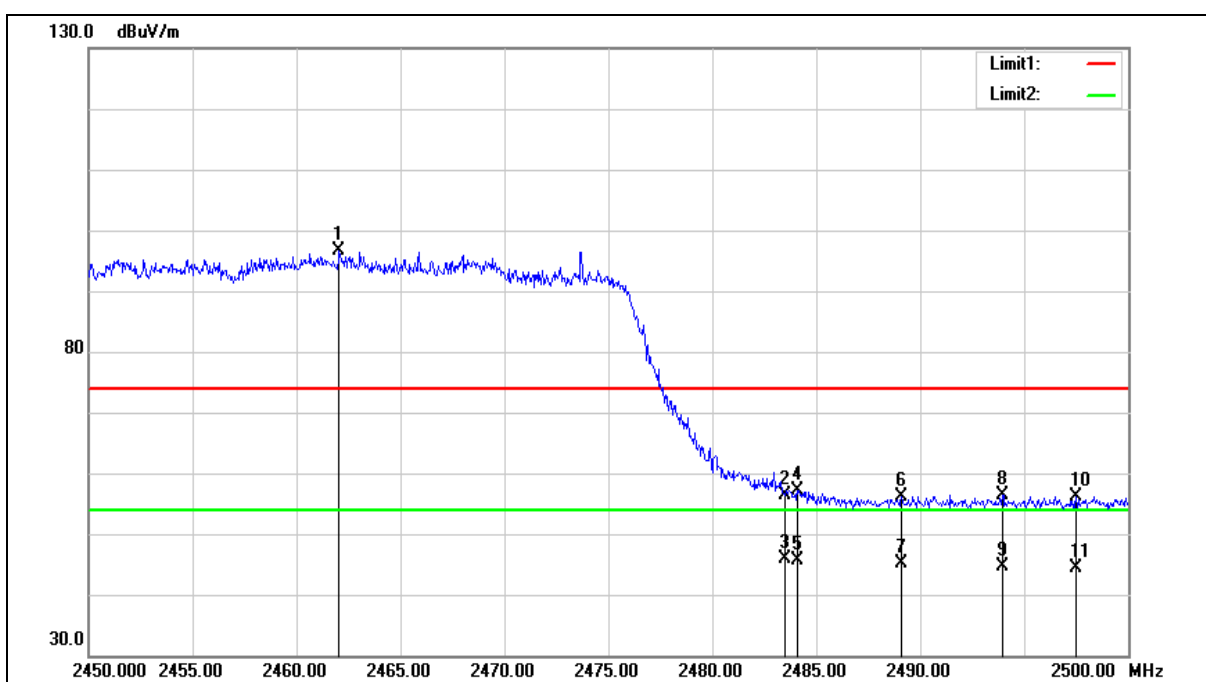
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2457 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=8.75 , Output Power=8.90 dBm		
	(AUX)Power Setting=9.625 , Output Power=9.37 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2457 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=8.75 , Output Power=8.90 dBm (AUX)Power Setting=9.625 , Output Power=9.37 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.050	97.17	-0.46	96.71	--	--	peak
2	2483.500	56.75	-0.35	56.40	74.00	-17.60	peak
3	2483.500	46.27	-0.35	45.92	54.00	-8.08	AVG
4	2484.100	57.53	-0.34	57.19	74.00	-16.81	peak
5	2484.100	45.98	-0.34	45.64	54.00	-8.36	AVG
6	2489.100	56.39	-0.32	56.07	74.00	-17.93	peak
7	2489.100	45.53	-0.32	45.21	54.00	-8.79	AVG
8	2493.950	56.63	-0.29	56.34	74.00	-17.66	peak
9	2493.950	45.01	-0.29	44.72	54.00	-9.28	AVG
10	2497.500	56.44	-0.27	56.17	74.00	-17.83	peak
11	2497.500	44.72	-0.27	44.45	54.00	-9.55	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

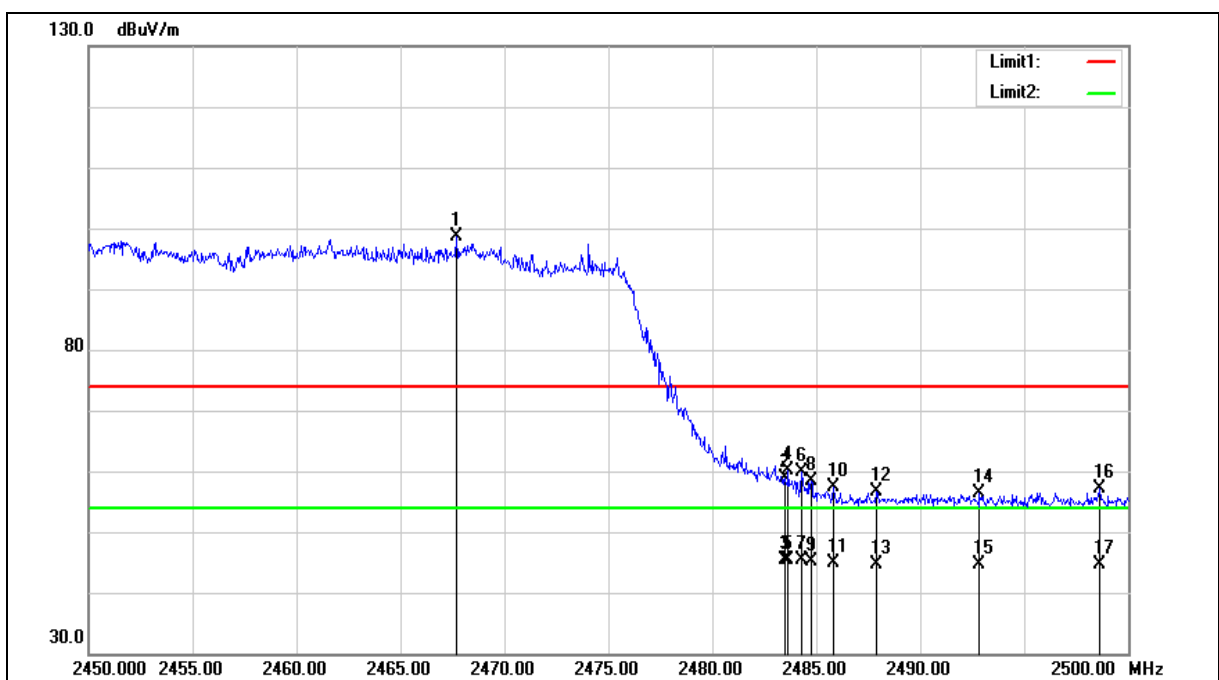
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2457 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=8.75 , Output Power=8.90 dBm		
	(AUX)Power Setting=9.625 , Output Power=9.37 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2457 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=8.75 , Output Power=8.90 dBm (AUX)Power Setting=9.625 , Output Power=9.37 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2467.700	98.96	-0.43	98.53	--	--	peak
2	2483.500	59.18	-0.35	58.83	74.00	-15.17	peak
3	2483.500	45.82	-0.35	45.47	54.00	-8.53	AVG
4	2483.650	60.51	-0.35	60.16	74.00	-13.84	peak
5	2483.650	45.76	-0.35	45.41	54.00	-8.59	AVG
6	2484.300	60.29	-0.34	59.95	74.00	-14.05	peak
7	2484.300	45.63	-0.34	45.29	54.00	-8.71	AVG
8	2484.750	58.78	-0.34	58.44	74.00	-15.56	peak
9	2484.750	45.50	-0.34	45.16	54.00	-8.84	AVG
10	2485.800	57.68	-0.33	57.35	74.00	-16.65	peak
11	2485.800	45.22	-0.33	44.89	54.00	-9.11	AVG
12	2487.900	56.97	-0.32	56.65	74.00	-17.35	peak
13	2487.900	45.07	-0.32	44.75	54.00	-9.25	AVG
14	2492.850	56.63	-0.29	56.34	74.00	-17.66	peak
15	2492.850	44.97	-0.29	44.68	54.00	-9.32	AVG
16	2498.650	57.43	-0.26	57.17	74.00	-16.83	peak
17	2498.650	44.97	-0.26	44.71	54.00	-9.29	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

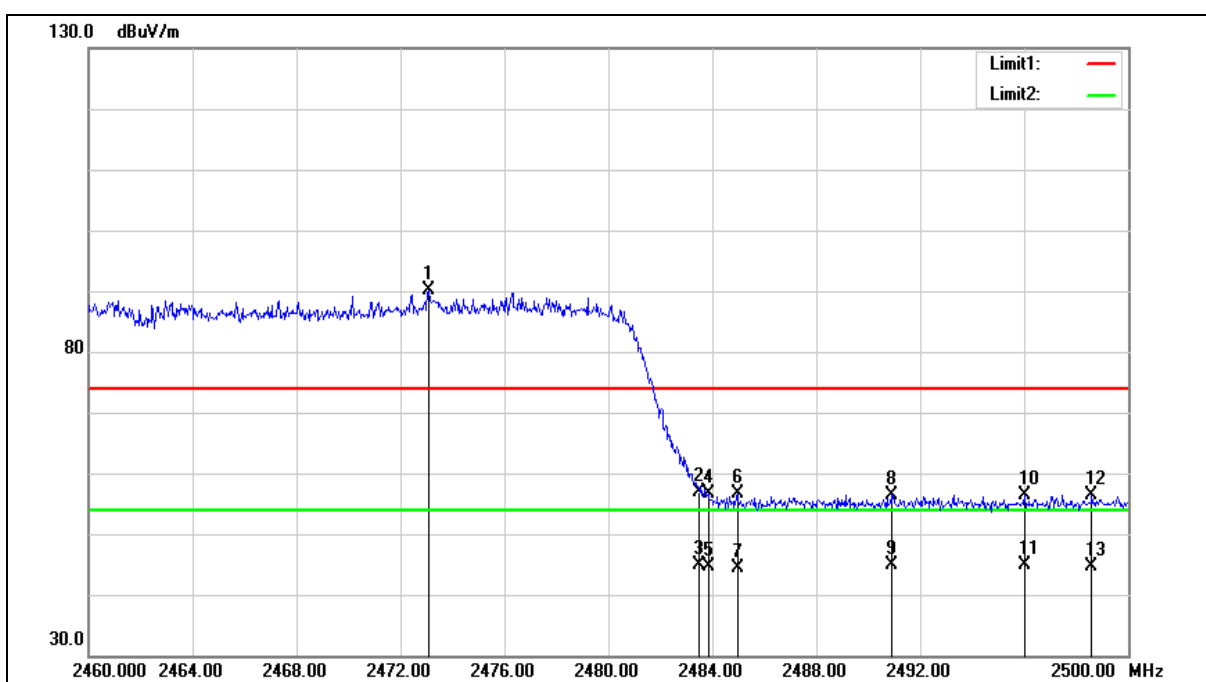
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=1.625 · Output Power=1.89 dBm		
	(AUX)Power Setting=2.75 · Output Power=1.86 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:	(MAIN)Power Setting=1.625 · Output Power=1.89 dBm (AUX)Power Setting=2.75 · Output Power=1.86 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2473.080	90.49	-0.40	90.09	--	--	peak
2	2483.500	57.12	-0.35	56.77	74.00	-17.23	peak
3	2483.500	45.11	-0.35	44.76	54.00	-9.24	AVG
4	2483.840	57.06	-0.34	56.72	74.00	-17.28	peak
5	2483.840	44.94	-0.34	44.60	54.00	-9.40	AVG
6	2484.960	56.94	-0.34	56.60	74.00	-17.40	peak
7	2484.960	44.70	-0.34	44.36	54.00	-9.64	AVG
8	2490.880	56.72	-0.31	56.41	74.00	-17.59	peak
9	2490.880	45.10	-0.31	44.79	54.00	-9.21	AVG
10	2496.040	56.75	-0.28	56.47	74.00	-17.53	peak
11	2496.040	45.09	-0.28	44.81	54.00	-9.19	AVG
12	2498.600	56.56	-0.26	56.30	74.00	-17.70	peak
13	2498.600	44.80	-0.26	44.54	54.00	-9.46	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

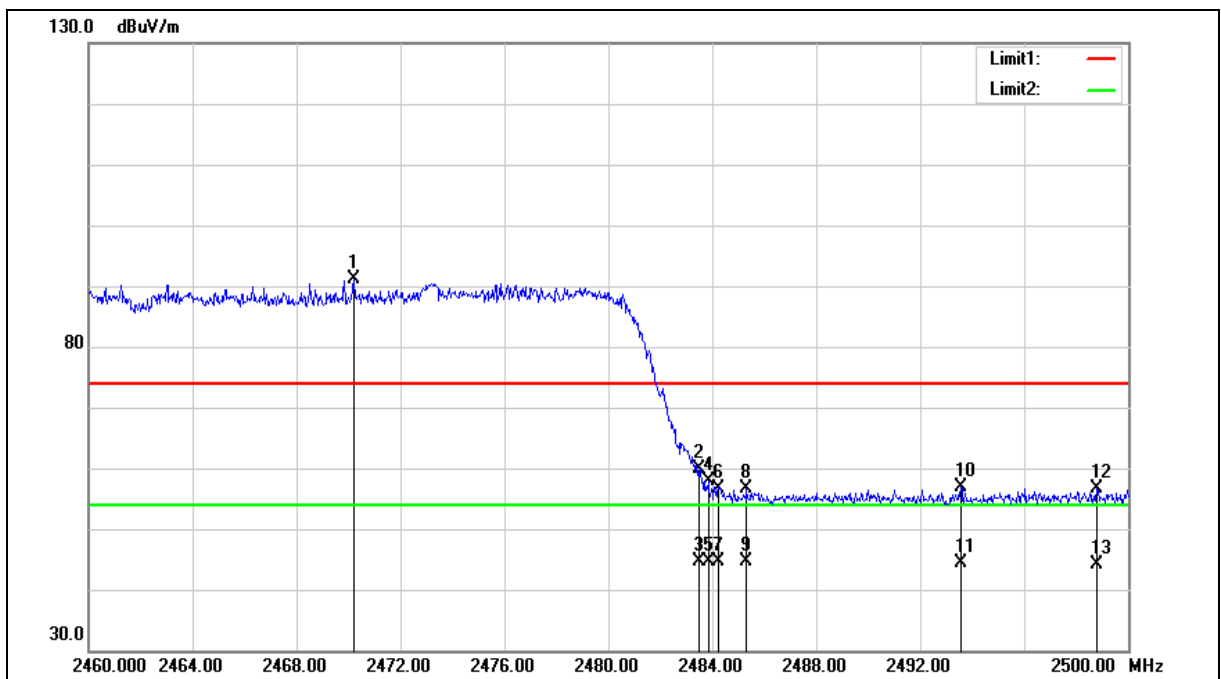
3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=1.625 · Output Power=1.89 dBm		
	(AUX)Power Setting=2.75 · Output Power=1.86 dBm		



Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:	(MAIN)Power Setting=1.625 · Output Power=1.89 dBm (AUX)Power Setting=2.75 · Output Power=1.86 dBm		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2470.200	91.50	-0.41	91.09	--	--	peak
2	2483.500	60.17	-0.35	59.82	74.00	-14.18	peak
3	2483.500	44.93	-0.35	44.58	54.00	-9.42	AVG
4	2483.840	58.30	-0.34	57.96	74.00	-16.04	peak
5	2483.840	45.08	-0.34	44.74	54.00	-9.26	AVG
6	2484.240	57.09	-0.34	56.75	74.00	-17.25	peak
7	2484.240	44.90	-0.34	44.56	54.00	-9.44	AVG
8	2485.320	57.02	-0.34	56.68	74.00	-17.32	peak
9	2485.320	44.99	-0.34	44.65	54.00	-9.35	AVG
10	2493.560	57.09	-0.29	56.80	74.00	-17.20	peak
11	2493.560	44.67	-0.29	44.38	54.00	-9.62	AVG
12	2498.800	56.77	-0.26	56.51	74.00	-17.49	peak
13	2498.800	44.47	-0.26	44.21	54.00	-9.79	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, there is no need to evaluate the average.

4.The average measurement was not performed when the peak measured data is under the limit of average detection.

5.The emission level of other frequencies is much lower than the limit and not shown in test report.

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