

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 E
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 : +86-3-2710188 / Fax : +86-3-2710190



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 E
ANSI C63.10:2013
Test Result : Complied
Performing Lab. : A Test Lab Techno Corp.

No. 140-1, Changan Street, Bade District,
Taoyuan City 33465, Taiwan (R.O.C.)
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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



(Manager)

(Fly Lu)



TABLE OF CONTENTS

| | | |
|----------|--|-----------|
| 1 | General Information | 5 |
| 1.1. | Summary of Test Result..... | 5 |
| 1.2. | Measurement Uncertainty..... | 6 |
| 2 | Description of Equipment Under Test | 7 |
| 3 | Test Methodology..... | 10 |
| 3.1. | Mode of Operation..... | 10 |
| 3.2. | EUT Test Step..... | 15 |
| 3.3. | Configuration of Test System Details | 15 |
| 3.4. | Test Instruments | 16 |
| 3.5. | Test Site Environment..... | 16 |
| 4 | Measurement Procedure..... | 17 |
| 4.1. | Transmitter Radiated Emissions Measurement..... | 17 |
| 4.2. | Antenna Requirement..... | 20 |
| 5 | Test Results..... | 21 |
| | Annex A. Radiated Emission Measurement..... | 21 |



1 General Information

1.1. Summary of Test Result

| Standard | Item | Result | Remark |
|------------------------------|--|--------|--------|
| 15.407(b)(6) 15.207 | AC Power Conducted Emission | N/A | Note 1 |
| 15.407(b) 15.205 / 15.209 | Transmitter Radiated Emissions | PASS | Note 2 |
| 15.407(a) | Maximum Conducted Output Power | N/A | Note 1 |
| 15.407(a) | 26 dB RF Bandwidth | N/A | Note 1 |
| 15.407(e) | 6 dB RF Bandwidth | N/A | Note 1 |
| 15.407(a) | Maximum Power Spectral Density | N/A | Note 1 |
| 15.407(c) | Automatically discontinue transmission | N/A | Note 1 |
| 15.407(a) 15.203 | Antenna Requirement | PASS | --- |

Note 1 : C2PC No need for verification, test results could be referred to RF module AX201D2W report (180717-03.TR01 & 180717-03.TR02 & 180717-03.TR03 & 180717-03.TR06 & 180717-03.TR09).

Note 2 : Only verify the worst channel Band Edge. The Harmonic test results could be referred to RF module AX201D2W report (180717-03.TR01 & 180717-03.TR02 & 180717-03.TR03 & 180717-03.TR06 & 180717-03.TR09).

| Standard | Description |
|---------------------------|--|
| CFR47, Part 15, Subpart C | Intentional Radiators |
| CFR47, Part 15, Subpart E | Unlicensed National Information Infrastructure Devices |
| ANSI C63. 10: 2013 | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices |
| KDB789033: D02 | Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E |
| KDB 662911 D01 v02r01 | Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc) |

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 No. | AX201D2W | | | |
| FCC ID | MSQAX201D2 | | | |
| Class II Permissive Change | <p>(1) This is to request a Class II permissive change for FCC ID: MSQAX201D2, originally granted on 03/21/2019</p> <p>Modification:</p> <p>Change #1: Additional chassis added, ASUSTeK, model number: UX393J, BX393J, UX393E, BX393E</p> <p>Models differences: All models are electrically identical, different model names are for marketing purpose.</p> <p>Change #2: Reduces WIFI output power through BIOS that cannot be changed by end user and SAR were evaluated accordingly.</p> <p>Change #3: Adds new antennas that meet FCC Part 15 equivalent-type</p> | | | |
| Host Information | <p>Product Type: Notebook PC</p> <p>Trade Name: ASUS</p> <p>Model Name: UX393J, BX393J, UX393E, BX393E</p> <p>(All models are electrically identical, different model names are for marketing purpose.)</p> | | | |
| Operate Frequency | Frequency Band | | Frequency Range (MHz) | Number of Channels |
| | IEEE 802.11a | U-NII Band I | 5180 – 5240 | 4 |
| | | U-NII Band II-A | 5260 – 5320 | 4 |
| | | U-NII Band II-C | 5500 – 5720 | 12 |
| | | U-NII Band III | 5745 – 5825 | 5 |
| | IEEE 802.11n 5 GHz 20 MHz | U-NII Band I | 5180 – 5240 | 4 |
| | | U-NII Band II-A | 5260 – 5320 | 4 |
| | | U-NII Band II-C | 5500 – 5720 | 12 |
| | | U-NII Band III | 5745 – 5825 | 5 |
| | IEEE 802.11n 5 GHz 40 MHz | U-NII Band I | 5190 – 5230 | 2 |
| | | U-NII Band II-A | 5270 – 5310 | 2 |
| | | U-NII Band II-C | 5510 – 5710 | 6 |
| | | U-NII Band III | 5755 – 5795 | 2 |
| IEEE 802.11ac 80 MHz | U-NII Band I | 5210 | 1 | |
| | U-NII Band II-A | 5290 | 1 | |
| | U-NII Band II-C | 5530 – 5690 | 3 | |
| | U-NII Band III | 5775 | 1 | |
| IEEE 802.11ac 160 MHz | U-NII Band I & U-NII Band II-A | 5250 | 1 | |
| | U-NII Band II-C | 5570 | 1 | |



| | Frequency Band | | Frequency Range (MHz) | Number of Channels |
|-----------------------|-----------------------|--------------------------------|-----------------------|--------------------|
| | Operate Frequency | IEEE 802.11ax 20 MHz | U-NII Band I | 5180 – 5240 |
| U-NII Band II-A | | | 5260 – 5320 | 4 |
| U-NII Band II-C | | | 5500 – 5720 | 12 |
| U-NII Band III | | | 5745 – 5825 | 5 |
| IEEE 802.11ax 40 MHz | | U-NII Band I | 5190 – 5230 | 2 |
| | | U-NII Band II-A | 5270 – 5310 | 2 |
| | | U-NII Band II-C | 5510 – 5710 | 6 |
| | | U-NII Band III | 5755 – 5795 | 2 |
| IEEE 802.11ax 80 MHz | | U-NII Band I | 5210 | 1 |
| | | U-NII Band II-A | 5290 | 1 |
| | | U-NII Band II-C | 5530 – 5690 | 3 |
| | | U-NII Band III | 5775 | 1 |
| IEEE 802.11ax 160 MHz | | U-NII Band I & U-NII Band II-A | 5250 | 1 |
| | | U-NII Band II-C | 5570 | 1 |
| | | | | |
| Modulation Type | | OFDM | | |
| Equipment Type | Client | | | |
| Antenna Delivery | Reference 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 | 5150 - 5250 | 2.18 |
| | | | | | | 5250 - 5350 | 2.17 |
| | | | | | | 5470 - 5725 | 2.14 |
| | | | | | | 5725 - 5850 | 2.25 |
| | Chain B | INPAQ | MDA-LB-02-021 | 14008-03960200 | PIFA Antenna | 5150 - 5250 | 2.76 |
| | | | | | | 5250 - 5350 | 2.76 |
| | | | | | | 5470 - 5725 | 2.78 |
| | | | | | | 5725 - 5850 | 2.78 |
| 2 | Chain A | Yageo | SZ16474 | 14008-03960100 | PIFA Antenna | 5150 - 5250 | 1.84 |
| | | | | | | 5250 - 5350 | 1.84 |
| | | | | | | 5470 - 5725 | 1.78 |
| | | | | | | 5725 - 5850 | 1.75 |
| | Chain B | Yageo | SZ16471 | 14008-03960300 | PIFA Antenna | 5150 - 5250 | 2.66 |
| | | | | | | 5250 - 5350 | 2.66 |
| | | | | | | 5470 - 5725 | 2.14 |
| | | | | | | 5725 - 5850 | 2.61 |

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.

| Equipment Type | | |
|------------------------------------|---------------------|-----|
| Outdoor access point | point-to-point | --- |
| | point-to-multipoint | --- |
| Indoor access point | | --- |
| Fixed point-to-point access points | | --- |
| Client devices | | V |

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 802.11a Continuous TX mode |
| Mode 3: IEEE 802.11n 5GHz 20 MHz Continuous TX mode |
| Mode 4: IEEE 802.11n 5GHz 40 MHz Continuous TX mode |
| Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode |
| Mode 6: IEEE 802.11ac 160 MHz Continuous TX mode |
| Mode 7: IEEE 802.11ax 20 MHz Continuous TX mode |
| Mode 8: IEEE 802.11ax 40 MHz Continuous TX mode |
| Mode 9: IEEE 802.11ax 80 MHz Continuous TX mode |
| Mode 10: IEEE 802.11ax 160 MHz Continuous TX mode |

| Final-Test Mode |
|---|
| Mode 3: IEEE 802.11n 5GHz 20 MHz Continuous TX mode |
| Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode |
| Mode 6: IEEE 802.11ac 160 MHz Continuous TX mode |
| Mode 7: IEEE 802.11ax 20 MHz Continuous TX mode |
| Mode 9: IEEE 802.11ax 80 MHz Continuous TX mode |
| Mode 10: IEEE 802.11ax 160 MHz Continuous TX mode |

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.

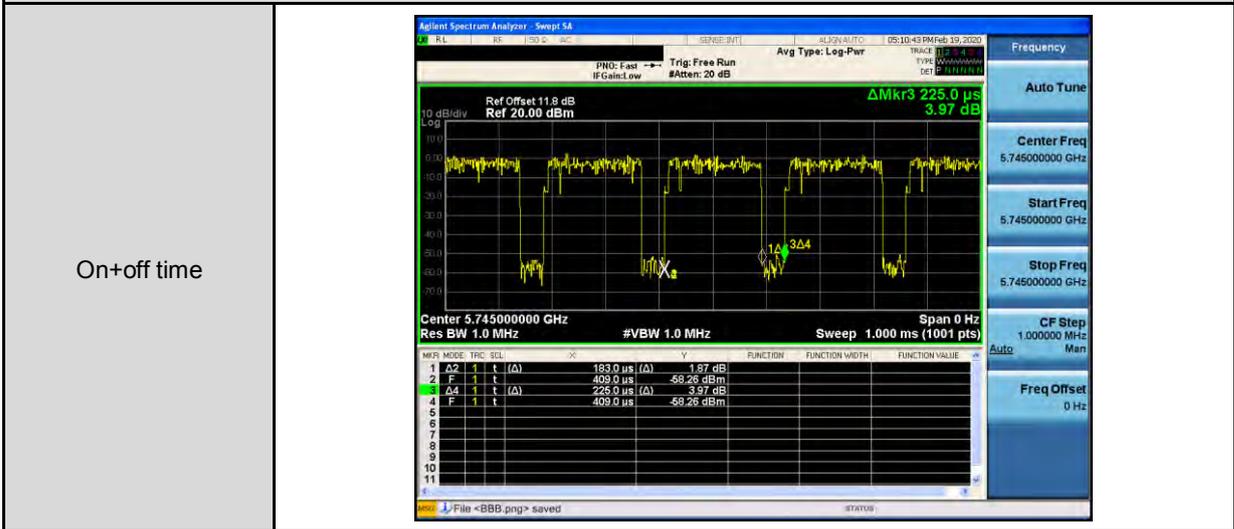
| MIMO | | | | |
|-----------|------------------|-----------|--------------------------------|--------------|
| Test Mode | Chain A | Chain B | Chain A + Chain B | |
| Mode 3 | V | V | V | |
| Mode 5 | V | V | V | |
| Mode 6 | V | V | V | |
| Mode 7 | V | V | V | |
| Mode 9 | V | V | V | |
| Mode 10 | V | V | V | |
| Test Mode | Antenna Delivery | MCS Index | Band | Test Channel |
| Mode 3 | 2TX(MIMO) | MCS 8 | U-NII Band III | 165 |
| Mode 5 | 2TX(MIMO) | MCS 8 | U-NII Band II-C | 138 |
| Mode 6 | 2TX(MIMO) | MCS 8 | U-NII Band I & U-NII Band II-A | 50 |
| | | | U-NII Band II-C | 114 |
| Mode 7 | 2TX(MIMO) | MCS 0 | U-NII Band III | 165 |
| Mode 9 | 2TX(MIMO) | MCS 0 | U-NII Band II-C | 138 |
| Mode 10 | 2TX(MIMO) | MCS 0 | U-NII Band I & U-NII Band II-A | 50 |
| | | | U-NII Band II-C | 114 |

Duty cycle

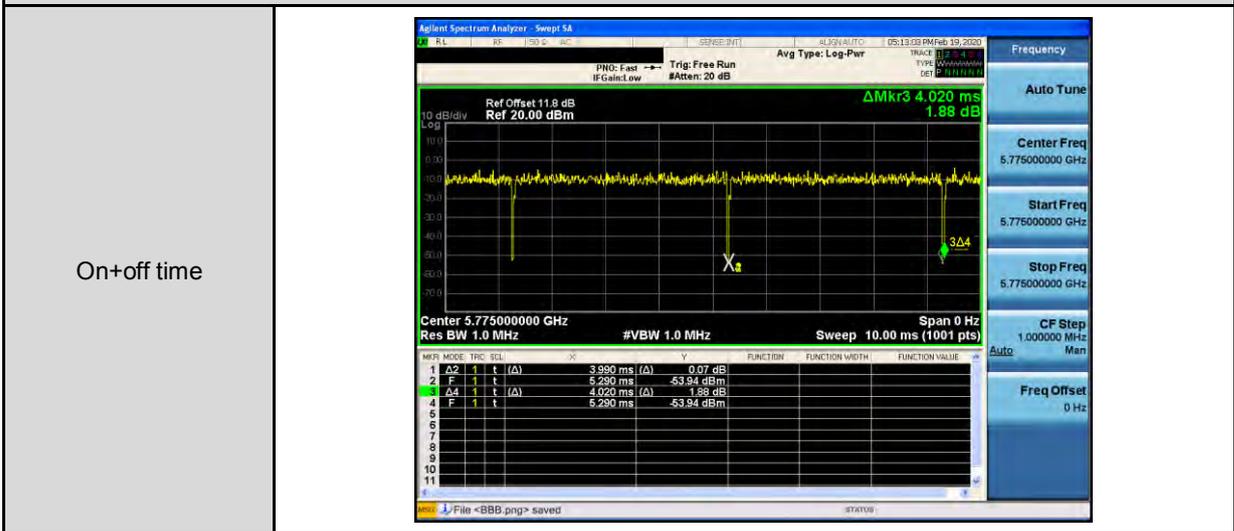
| MIMO | | | | | | |
|-----------|-----------------|--------------|------------------|------------|------------------|-----------------------|
| Test Mode | Frequency (MHz) | on time (ms) | on+off time (ms) | Duty cycle | Duty Factor (dB) | 1/T Minimum VBW (kHz) |
| Mode 3 | 5745.0 | 0.183 | 0.225 | 0.813 | 0.897 | 5.464 |
| Mode 5 | 5775.0 | 3.990 | 4.020 | 0.993 | 0.033 | 0.010 |
| Mode 6 | 5250.0 | 2.800 | 2.830 | 0.989 | 0.046 | 0.010 |
| Mode 7 | 5745.0 | 3.990 | 4.020 | 0.993 | 0.033 | 0.010 |
| Mode 9 | 5775.0 | 4.000 | 4.020 | 0.995 | 0.022 | 0.010 |
| Mode 10 | 5250.0 | 2.300 | 2.320 | 0.991 | 0.038 | 0.010 |

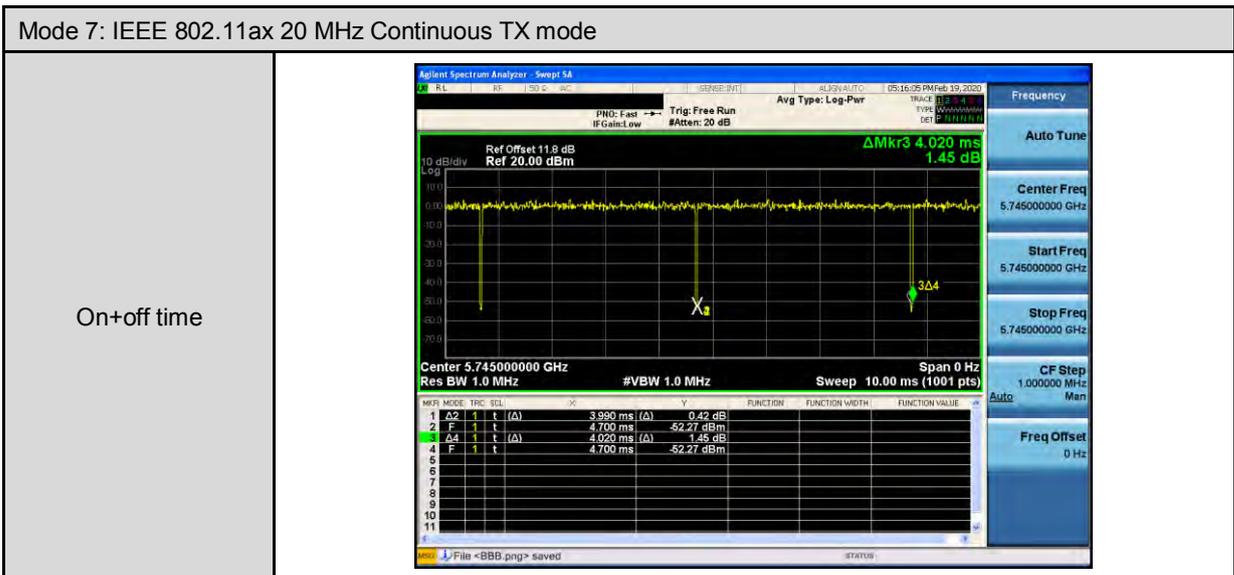
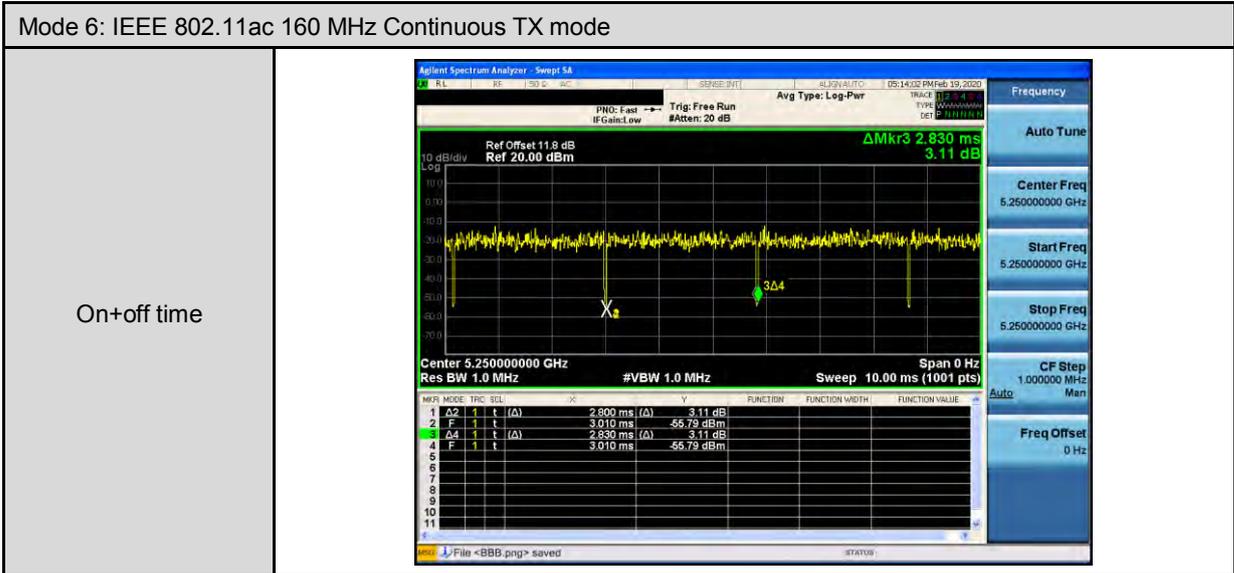
MIMO

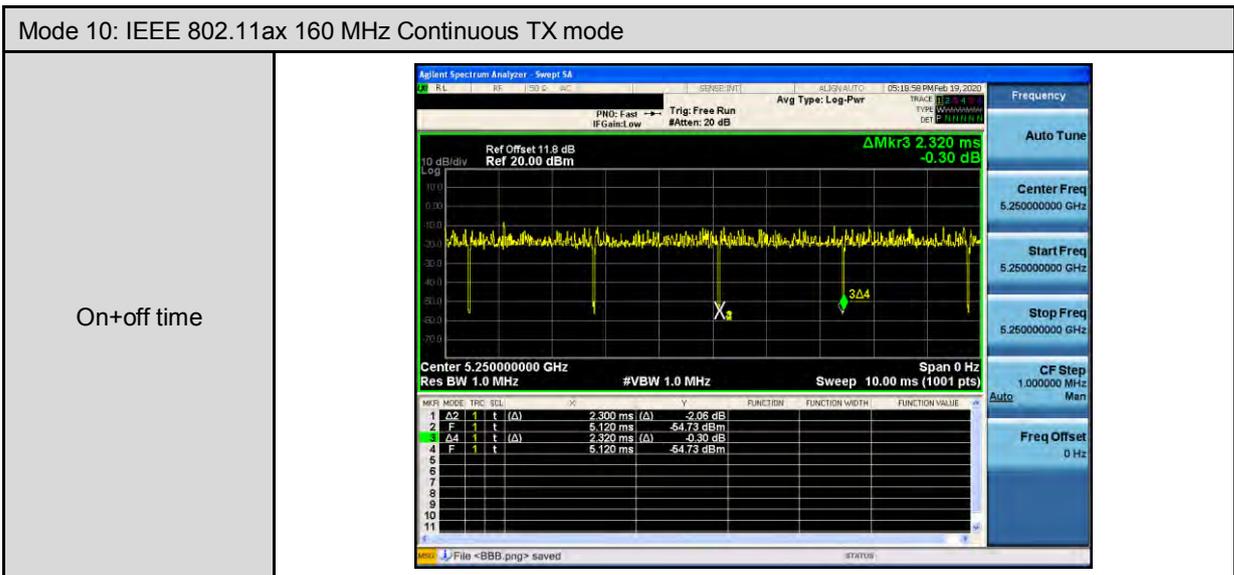
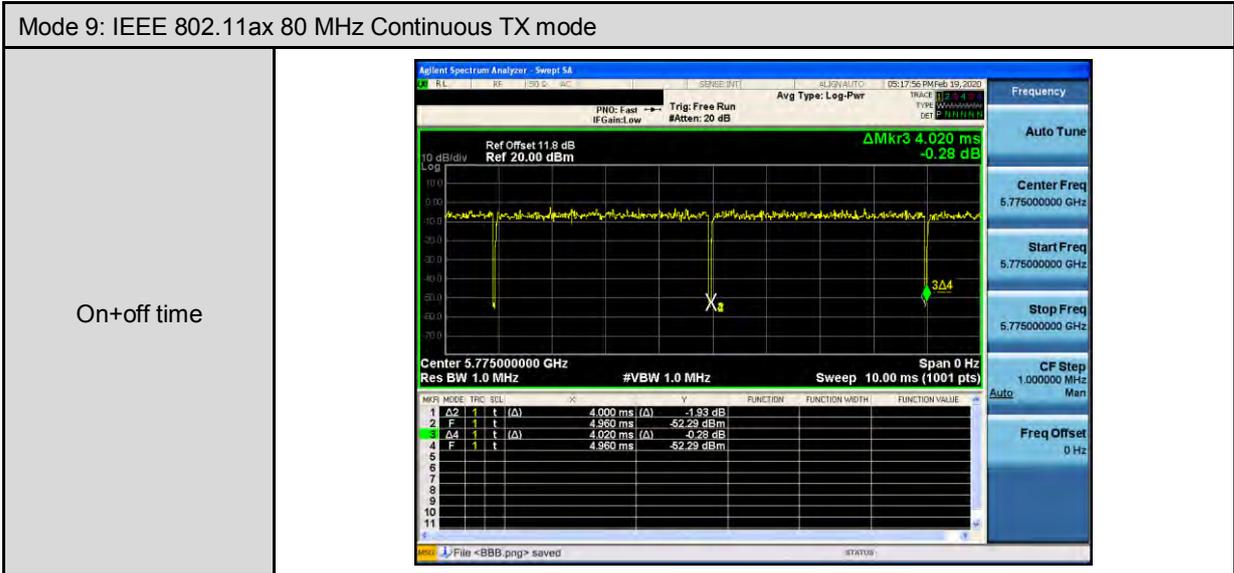
Mode 3: IEEE 802.11n 5GHz 20 MHz Continuous TX mode



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode







3.2. EUT Test Step

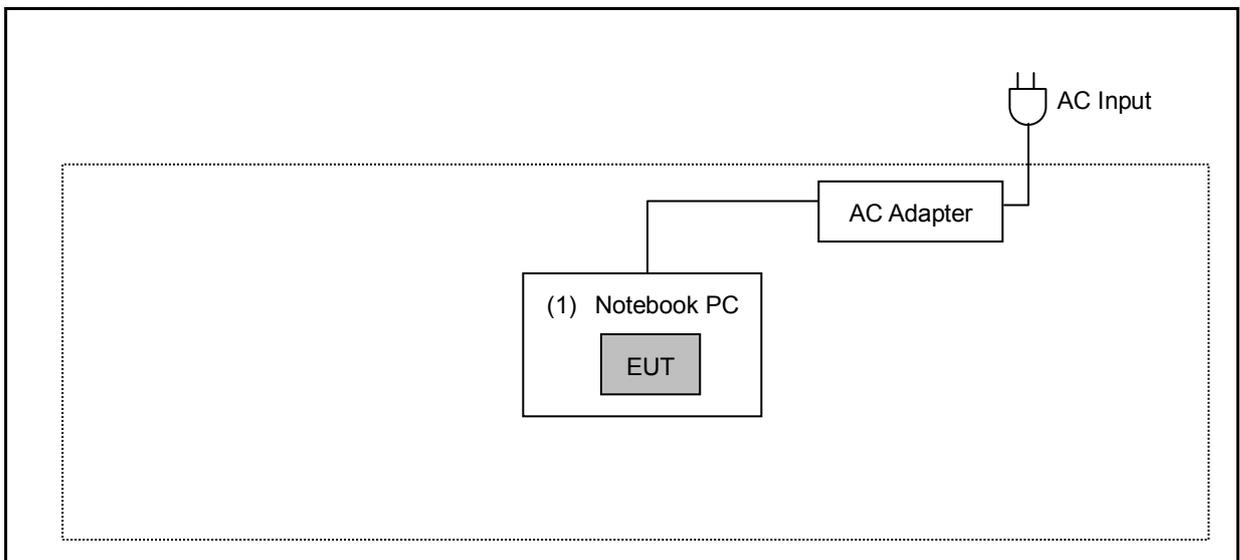
The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

| | |
|---|--|
| 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 | 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 | 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. Transmitter Radiated Emissions Measurement

■ Limit

(1)Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (a)For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (b)For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (c)For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (d)For transmitters operating in the 5.725-5.85 GHz band:
 - (i)All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2)Limits of Radiated Emission Measurement

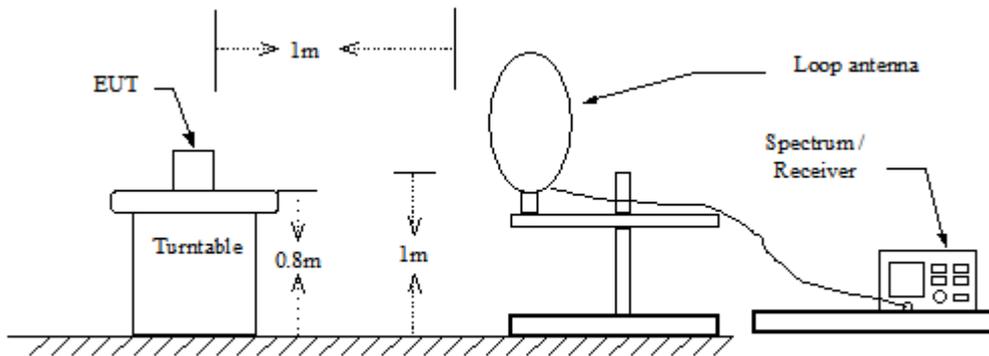
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

| Frequency Range (MHz) | Field Strength (microvolts/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 | 10 | 3 |
| 88 ~ 216 | 150 | 3 |
| 216 ~ 960 | 200 | 3 |
| Above 960 | 500 | 3 |

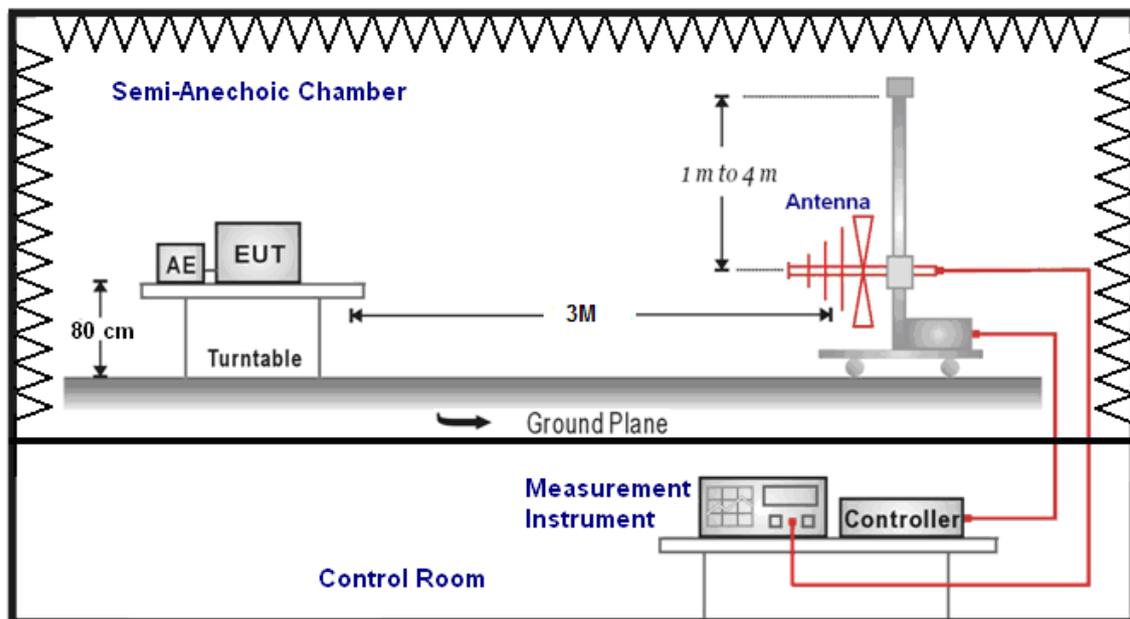
- Note:
1. The lower limit shall apply at the transition frequencies.
 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
 3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

■ Setup

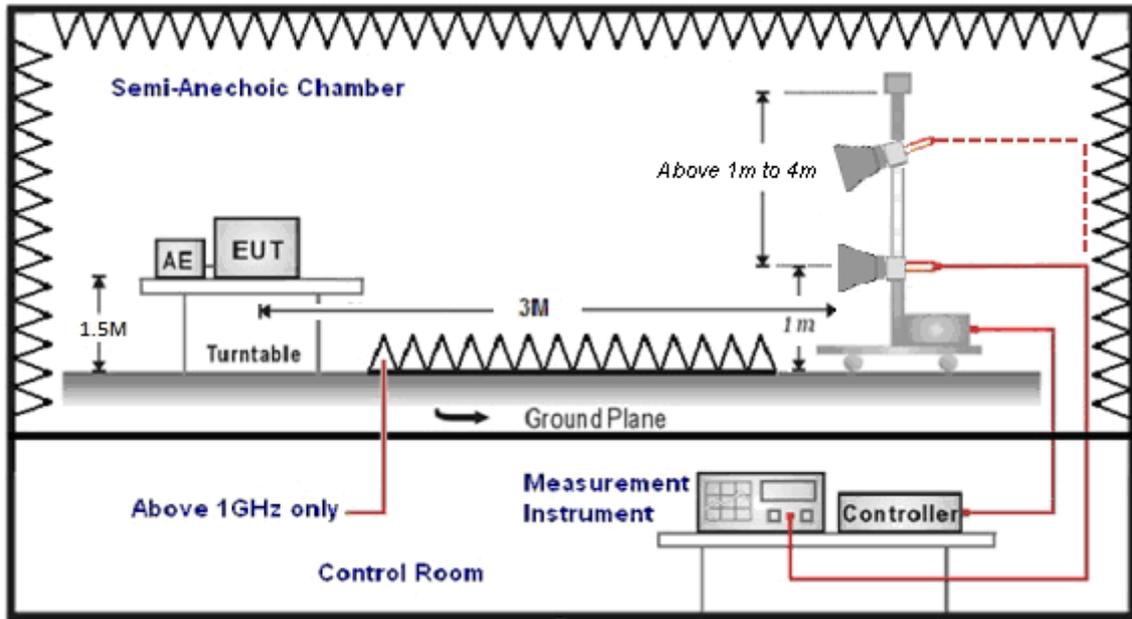
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



■ **Test Procedure**

Please refer to ANSI C63.10-2013 clause 6.4 / 6.5 / 6.6 for the test method.

Please refer to ANSI C63.10-2013 clause 12.7.2 / 12.7.5 / 12.7.6 / 12.7.7.3 for the test method.

Measuring Instruments and setting

The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter | Setting |
|--|---|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 40 GHz |
| RBW/VBW(Emission in restricted band) | 1 MHz / 3 MHz for Peak 1 MHz / (1/T) for Average |
| RBW/VBW(Emission in non-restricted band) | 1 MHz / 3 MHz for Peak |



4.2. Antenna Requirement

■ 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 15.407 (a), 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 Connector Construction

See section 2 – antenna information.

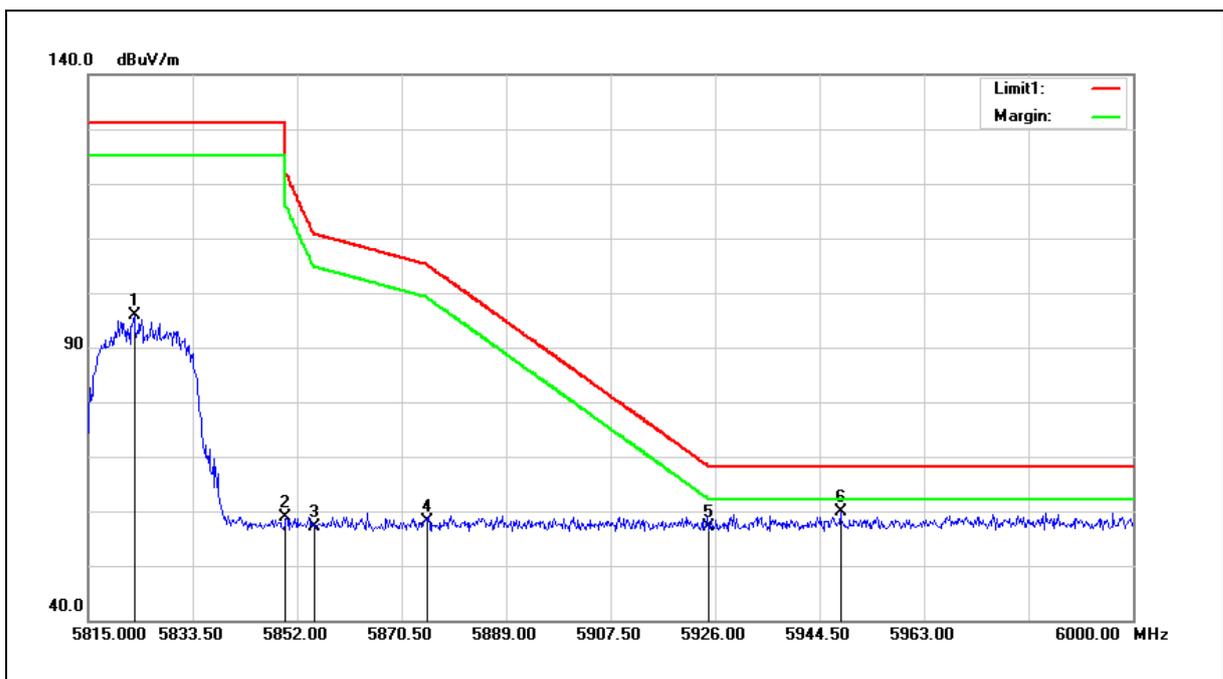
5 Test Results

Annex A. Radiated Emission Measurement

Band Edge

| |
|------|
| MIMO |
|------|

| | | | |
|--------------|---|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5825 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 3 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=10.00 · Output Power=9.32 dBm (AUX)Power Setting=10.50 · Output Power=9.45 dBm | | |





| | | | |
|--------------|---|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5825 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 3 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=10.00 · Output Power=9.32 dBm (AUX)Power Setting=10.50 · Output Power=9.45 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5823.140 | 87.35 | 8.50 | 95.85 | -- | -- | peak |
| 2 | 5850.000 | 50.22 | 8.55 | 58.77 | 122.20 | -63.43 | peak |
| 3 | 5855.000 | 48.55 | 8.56 | 57.11 | 110.80 | -53.69 | peak |
| 4 | 5875.000 | 49.55 | 8.61 | 58.16 | 105.20 | -47.04 | peak |
| 5 | 5925.000 | 48.41 | 8.71 | 57.12 | 68.20 | -11.08 | peak |
| 6 | 5948.200 | 51.04 | 8.76 | 59.80 | 68.20 | -8.40 | peak |

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

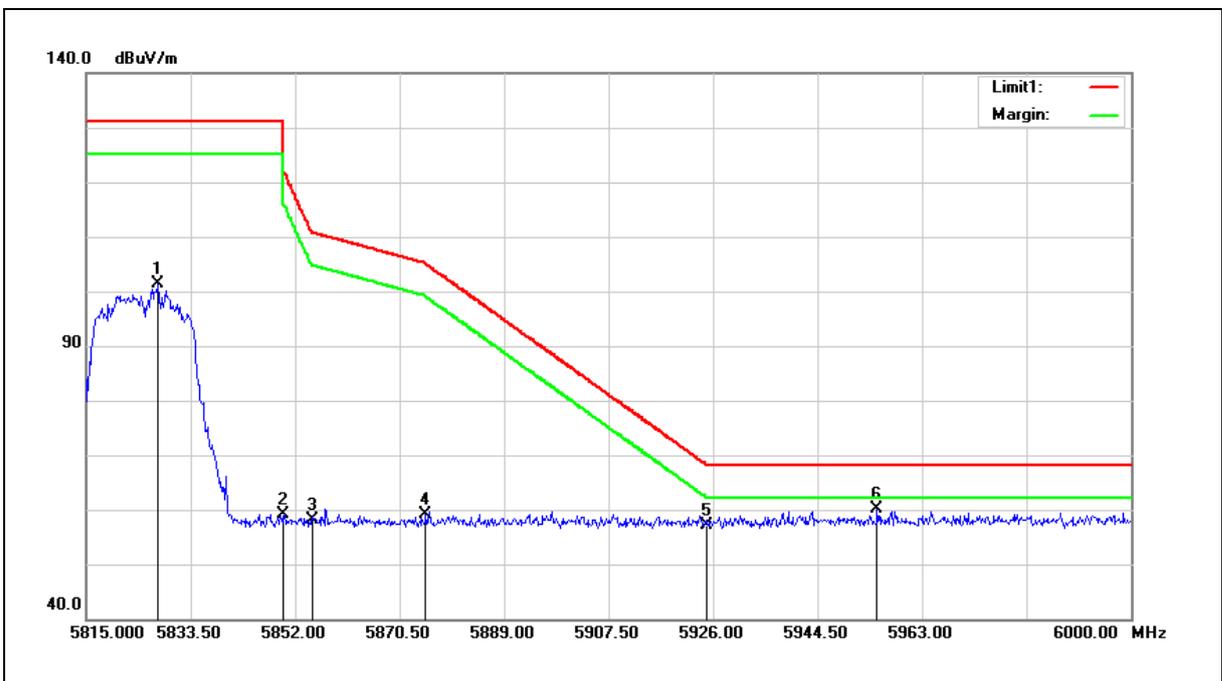
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5825 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 3 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=10.00 · Output Power=9.32 dBm (AUX)Power Setting=10.50 · Output Power=9.45 dBm | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5827.765 | 92.81 | 8.51 | 101.32 | -- | -- | peak |
| 2 | 5850.000 | 50.56 | 8.55 | 59.11 | 122.20 | -63.09 | peak |
| 3 | 5855.000 | 49.62 | 8.56 | 58.18 | 110.80 | -52.62 | peak |
| 4 | 5875.000 | 50.56 | 8.61 | 59.17 | 105.20 | -46.03 | peak |
| 5 | 5925.000 | 48.44 | 8.71 | 57.15 | 68.20 | -11.05 | peak |
| 6 | 5955.045 | 51.44 | 8.78 | 60.22 | 68.20 | -7.98 | 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).

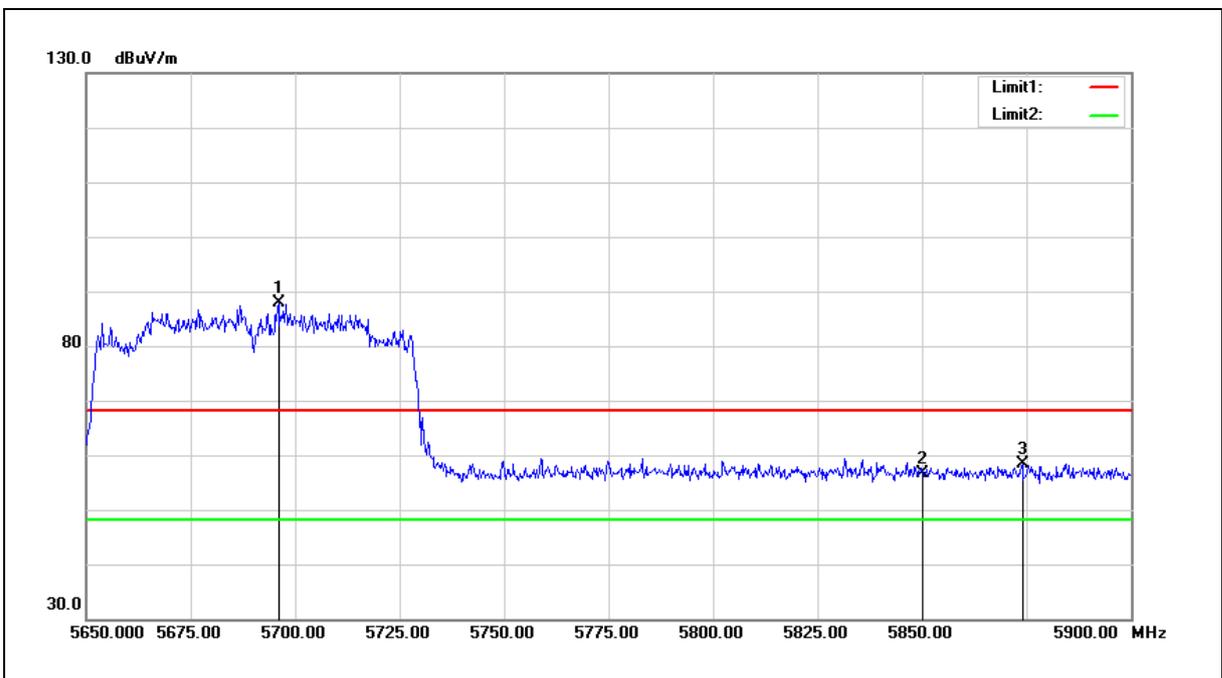
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5690 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 5 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=9.375 · Output Power=9.41 dBm (AUX)Power Setting=10.00 · Output Power=9.47 dBm | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5696.000 | 79.69 | 8.25 | 87.94 | -- | -- | peak |
| 2 | 5850.000 | 48.00 | 8.55 | 56.55 | 68.20 | -11.65 | peak |
| 3 | 5874.000 | 49.89 | 8.60 | 58.49 | 68.20 | -9.71 | 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).

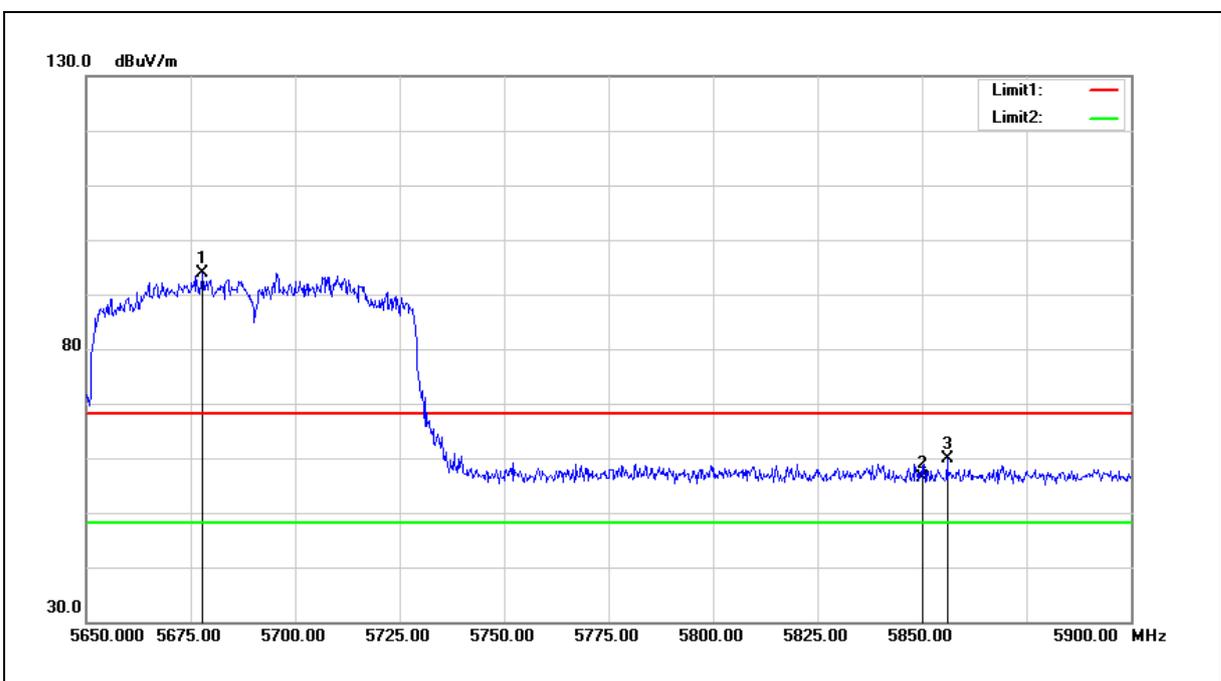
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5690 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 5 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=9.375 · Output Power=9.41 dBm (AUX)Power Setting=10.00 · Output Power=9.47 dBm | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5677.750 | 85.67 | 8.21 | 93.88 | -- | -- | peak |
| 2 | 5850.000 | 47.94 | 8.55 | 56.49 | 68.20 | -11.71 | peak |
| 3 | 5856.000 | 51.41 | 8.57 | 59.98 | 68.20 | -8.22 | 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).

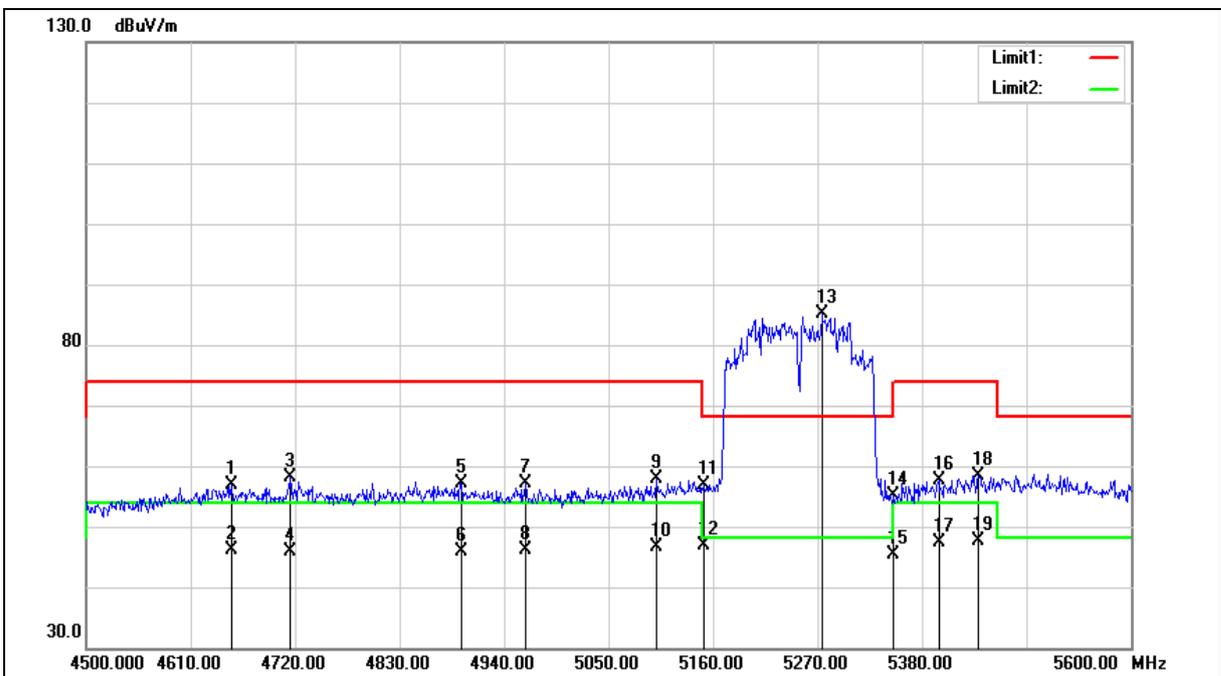
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5250 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 6 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=8.875 · Output Power=9.40 dBm (AUX)Power Setting=9.375 · Output Power=9.43 dBm | | |





| | | | |
|--------------|---|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5250 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 6 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=8.875 · Output Power=9.40 dBm (AUX)Power Setting=9.375 · Output Power=9.43 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 4652.900 | 51.51 | 5.39 | 56.90 | 74.00 | -17.10 | peak |
| 2 | 4652.900 | 40.66 | 5.39 | 46.05 | 54.00 | -7.95 | AVG |
| 3 | 4714.500 | 52.58 | 5.56 | 58.14 | 74.00 | -15.86 | peak |
| 4 | 4714.500 | 40.41 | 5.56 | 45.97 | 54.00 | -8.03 | AVG |
| 5 | 4894.900 | 51.14 | 6.09 | 57.23 | 74.00 | -16.77 | peak |
| 6 | 4894.900 | 39.85 | 6.09 | 45.94 | 54.00 | -8.06 | AVG |
| 7 | 4962.000 | 50.92 | 6.29 | 57.21 | 74.00 | -16.79 | peak |
| 8 | 4962.000 | 39.75 | 6.29 | 46.04 | 54.00 | -7.96 | AVG |
| 9 | 5100.600 | 51.09 | 6.69 | 57.78 | 74.00 | -16.22 | peak |
| 10 | 5100.600 | 39.97 | 6.69 | 46.66 | 54.00 | -7.34 | AVG |
| 11 | 5150.000 | 50.14 | 6.84 | 56.98 | 74.00 | -17.02 | peak |
| 12 | 5150.000 | 39.99 | 6.84 | 46.83 | 54.00 | -7.17 | AVG |
| 13 | 5274.400 | 77.97 | 7.19 | 85.16 | -- | -- | peak |
| 14 | 5350.000 | 47.64 | 7.41 | 55.05 | 74.00 | -18.95 | peak |
| 15 | 5350.000 | 38.01 | 7.41 | 45.42 | 54.00 | -8.58 | AVG |
| 16 | 5397.600 | 50.11 | 7.56 | 57.67 | 74.00 | -16.33 | peak |
| 17 | 5397.600 | 39.70 | 7.56 | 47.26 | 54.00 | -6.74 | AVG |
| 18 | 5439.400 | 50.76 | 7.68 | 58.44 | 74.00 | -15.56 | peak |
| 19 | 5439.400 | 40.06 | 7.68 | 47.74 | 54.00 | -6.26 | 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).

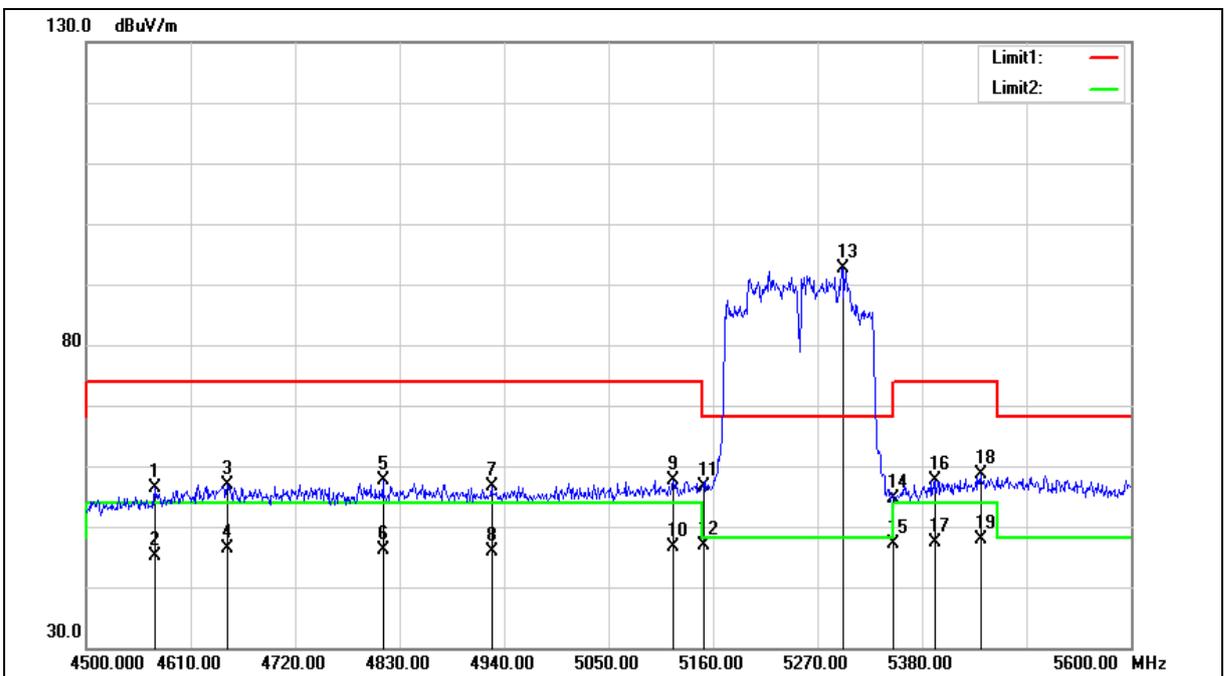
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5250 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 6 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=8.875 · Output Power=9.40 dBm (AUX)Power Setting=9.375 · Output Power=9.43 dBm | | |





| | | | |
|--------------|---|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5250 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 6 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=8.875 , Output Power=9.40 dBm (AUX)Power Setting=9.375 , Output Power=9.43 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 4572.600 | 51.15 | 5.15 | 56.30 | 74.00 | -17.70 | peak |
| 2 | 4572.600 | 39.91 | 5.15 | 45.06 | 54.00 | -8.94 | AVG |
| 3 | 4648.500 | 51.42 | 5.37 | 56.79 | 74.00 | -17.21 | peak |
| 4 | 4648.500 | 40.96 | 5.37 | 46.33 | 54.00 | -7.67 | AVG |
| 5 | 4812.400 | 51.73 | 5.85 | 57.58 | 74.00 | -16.42 | peak |
| 6 | 4812.400 | 40.36 | 5.85 | 46.21 | 54.00 | -7.79 | AVG |
| 7 | 4926.800 | 50.51 | 6.19 | 56.70 | 74.00 | -17.30 | peak |
| 8 | 4926.800 | 39.72 | 6.19 | 45.91 | 54.00 | -8.09 | AVG |
| 9 | 5118.200 | 50.96 | 6.74 | 57.70 | 74.00 | -16.30 | peak |
| 10 | 5118.200 | 39.93 | 6.74 | 46.67 | 54.00 | -7.33 | AVG |
| 11 | 5150.000 | 49.88 | 6.84 | 56.72 | 74.00 | -17.28 | peak |
| 12 | 5150.000 | 39.97 | 6.84 | 46.81 | 54.00 | -7.19 | AVG |
| 13 | 5296.400 | 85.31 | 7.26 | 92.57 | -- | -- | peak |
| 14 | 5350.000 | 47.32 | 7.41 | 54.73 | 74.00 | -19.27 | peak |
| 15 | 5350.000 | 39.60 | 7.41 | 47.01 | 54.00 | -6.99 | AVG |
| 16 | 5393.200 | 50.13 | 7.54 | 57.67 | 74.00 | -16.33 | peak |
| 17 | 5393.200 | 39.81 | 7.54 | 47.35 | 54.00 | -6.65 | AVG |
| 18 | 5441.600 | 50.87 | 7.68 | 58.55 | 74.00 | -15.45 | peak |
| 19 | 5441.600 | 40.28 | 7.68 | 47.96 | 54.00 | -6.04 | 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).

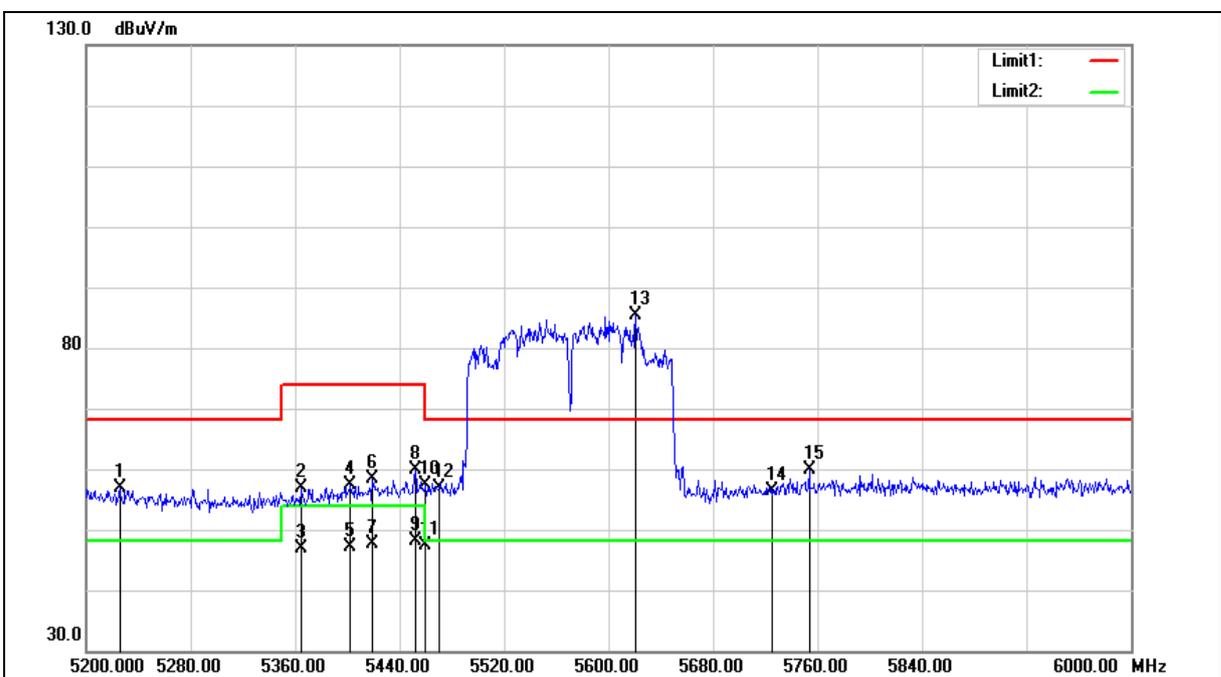
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5570 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 6 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=8.875 · Output Power=9.35 dBm (AUX)Power Setting=9.50 · Output Power=9.34 dBm | | |





| | | | |
|--------------|--|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5570 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 6 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=8.875 · Output Power=9.35 dBm (AUX)Power Setting=9.50 · Output Power=9.34 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5225.600 | 49.89 | 7.06 | 56.95 | 68.20 | -11.25 | peak |
| 2 | 5364.800 | 49.51 | 7.45 | 56.96 | 74.00 | -17.04 | peak |
| 3 | 5364.800 | 39.40 | 7.45 | 46.85 | 54.00 | -7.15 | AVG |
| 4 | 5402.400 | 49.89 | 7.57 | 57.46 | 74.00 | -16.54 | peak |
| 5 | 5402.400 | 39.58 | 7.57 | 47.15 | 54.00 | -6.85 | AVG |
| 6 | 5419.200 | 50.76 | 7.62 | 58.38 | 74.00 | -15.62 | peak |
| 7 | 5419.200 | 39.97 | 7.62 | 47.59 | 54.00 | -6.41 | AVG |
| 8 | 5452.000 | 52.13 | 7.71 | 59.84 | 74.00 | -14.16 | peak |
| 9 | 5452.000 | 40.35 | 7.71 | 48.06 | 54.00 | -5.94 | AVG |
| 10 | 5460.000 | 49.66 | 7.74 | 57.40 | 74.00 | -16.60 | peak |
| 11 | 5460.000 | 39.66 | 7.74 | 47.40 | 54.00 | -6.60 | AVG |
| 12 | 5470.000 | 49.01 | 7.76 | 56.77 | 68.20 | -11.43 | peak |
| 13 | 5620.800 | 77.29 | 8.09 | 85.38 | -- | -- | peak |
| 14 | 5725.000 | 47.95 | 8.31 | 56.26 | 68.20 | -11.94 | peak |
| 15 | 5753.600 | 51.62 | 8.36 | 59.98 | 68.20 | -8.22 | 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).

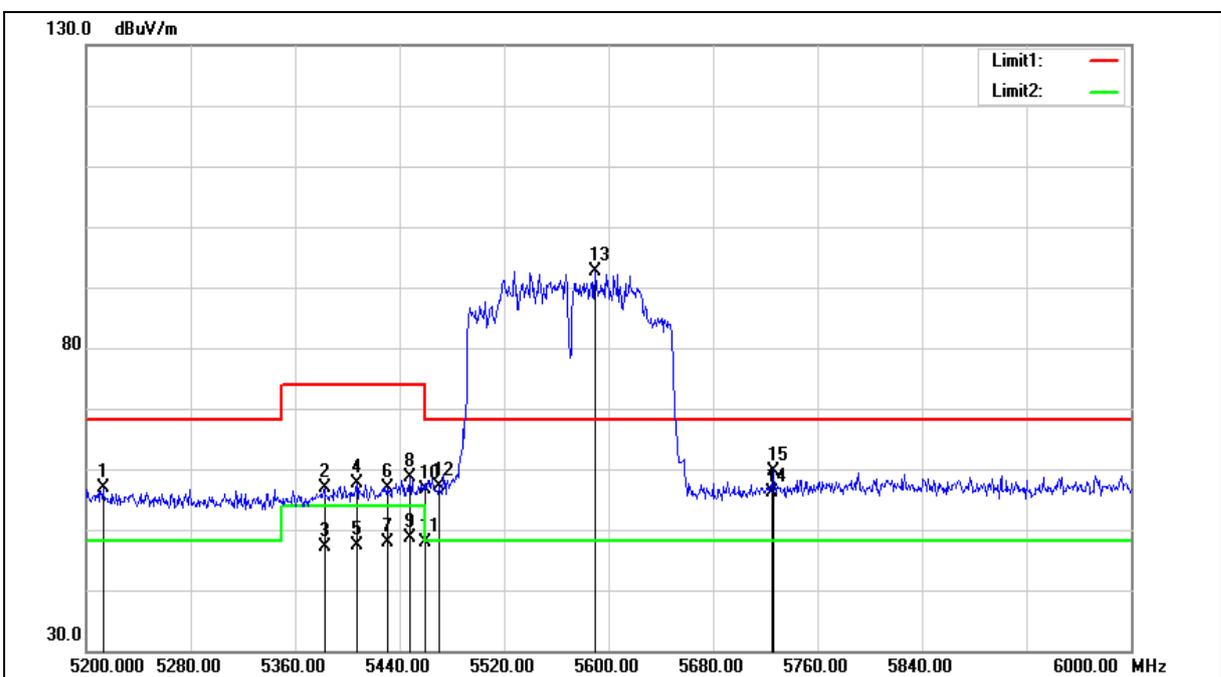
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5570 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 6 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=8.875 · Output Power=9.35 dBm | | |
| | (AUX)Power Setting=9.50 · Output Power=9.34 dBm | | |





| | | | |
|--------------|--|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5570 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 6 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=8.875 · Output Power=9.35 dBm (AUX)Power Setting=9.50 · Output Power=9.34 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5212.800 | 49.83 | 7.02 | 56.85 | 68.20 | -11.35 | peak |
| 2 | 5382.400 | 49.33 | 7.51 | 56.84 | 74.00 | -17.16 | peak |
| 3 | 5382.400 | 39.53 | 7.51 | 47.04 | 54.00 | -6.96 | AVG |
| 4 | 5407.200 | 50.02 | 7.59 | 57.61 | 74.00 | -16.39 | peak |
| 5 | 5407.200 | 39.70 | 7.59 | 47.29 | 54.00 | -6.71 | AVG |
| 6 | 5430.400 | 49.26 | 7.65 | 56.91 | 74.00 | -17.09 | peak |
| 7 | 5430.400 | 40.15 | 7.65 | 47.80 | 54.00 | -6.20 | AVG |
| 8 | 5448.000 | 50.86 | 7.70 | 58.56 | 74.00 | -15.44 | peak |
| 9 | 5448.000 | 40.88 | 7.70 | 48.58 | 54.00 | -5.42 | AVG |
| 10 | 5460.000 | 48.77 | 7.74 | 56.51 | 74.00 | -17.49 | peak |
| 11 | 5460.000 | 40.07 | 7.74 | 47.81 | 54.00 | -6.19 | AVG |
| 12 | 5470.000 | 49.32 | 7.76 | 57.08 | 68.20 | -11.12 | peak |
| 13 | 5589.600 | 84.68 | 8.03 | 92.71 | -- | -- | peak |
| 14 | 5725.000 | 47.83 | 8.31 | 56.14 | 68.20 | -12.06 | peak |
| 15 | 5726.400 | 51.28 | 8.31 | 59.59 | 68.20 | -8.61 | peak |

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

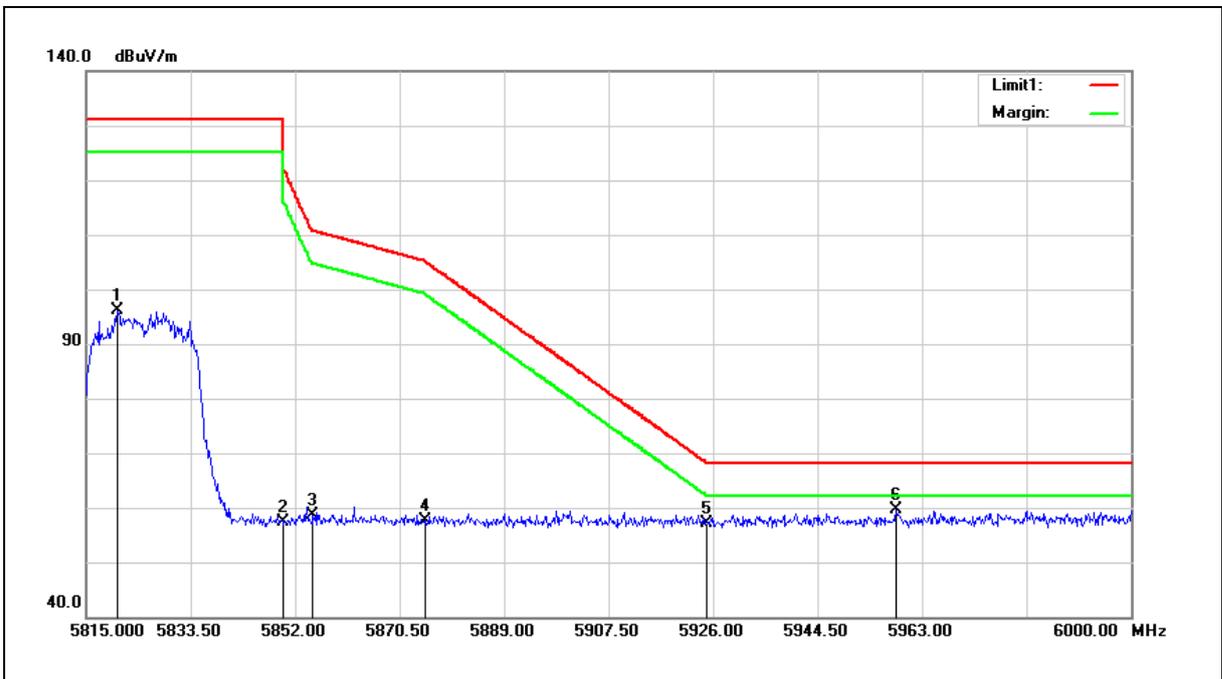
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5825 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 7 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=10.125 · Output Power=9.27 dBm (AUX)Power Setting=10.75 · Output Power=9.35 dBm | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5820.550 | 87.52 | 8.49 | 96.01 | -- | -- | peak |
| 2 | 5850.000 | 48.76 | 8.55 | 57.31 | 122.20 | -64.89 | peak |
| 3 | 5855.000 | 50.02 | 8.56 | 58.58 | 110.80 | -52.22 | peak |
| 4 | 5875.000 | 49.09 | 8.61 | 57.70 | 105.20 | -47.50 | peak |
| 5 | 5925.000 | 48.54 | 8.71 | 57.25 | 68.20 | -10.95 | peak |
| 6 | 5958.375 | 50.92 | 8.78 | 59.70 | 68.20 | -8.50 | peak |

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

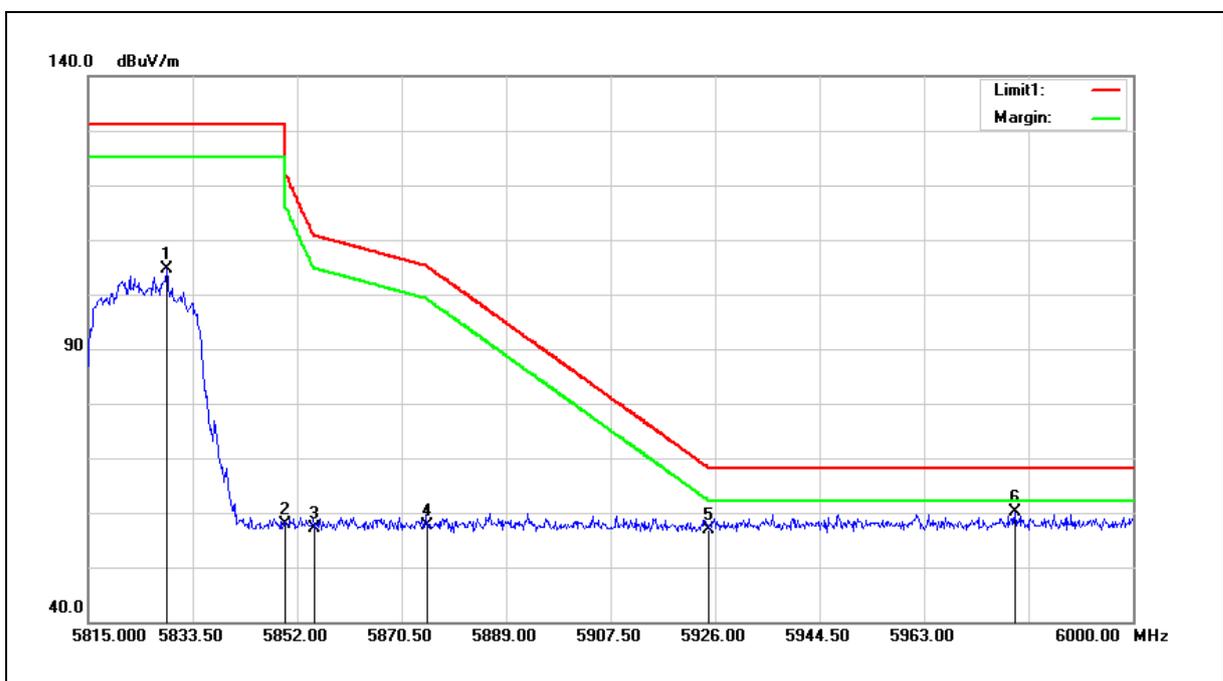
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5825 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 7 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=10.125 · Output Power=9.27 dBm (AUX)Power Setting=10.75 · Output Power=9.35 dBm | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5828.875 | 96.03 | 8.51 | 104.54 | -- | -- | peak |
| 2 | 5850.000 | 49.33 | 8.55 | 57.88 | 122.20 | -64.32 | peak |
| 3 | 5855.000 | 48.65 | 8.56 | 57.21 | 110.80 | -53.59 | peak |
| 4 | 5875.000 | 48.97 | 8.61 | 57.58 | 105.20 | -47.62 | peak |
| 5 | 5925.000 | 48.26 | 8.71 | 56.97 | 68.20 | -11.23 | peak |
| 6 | 5979.095 | 51.27 | 8.82 | 60.09 | 68.20 | -8.11 | 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).

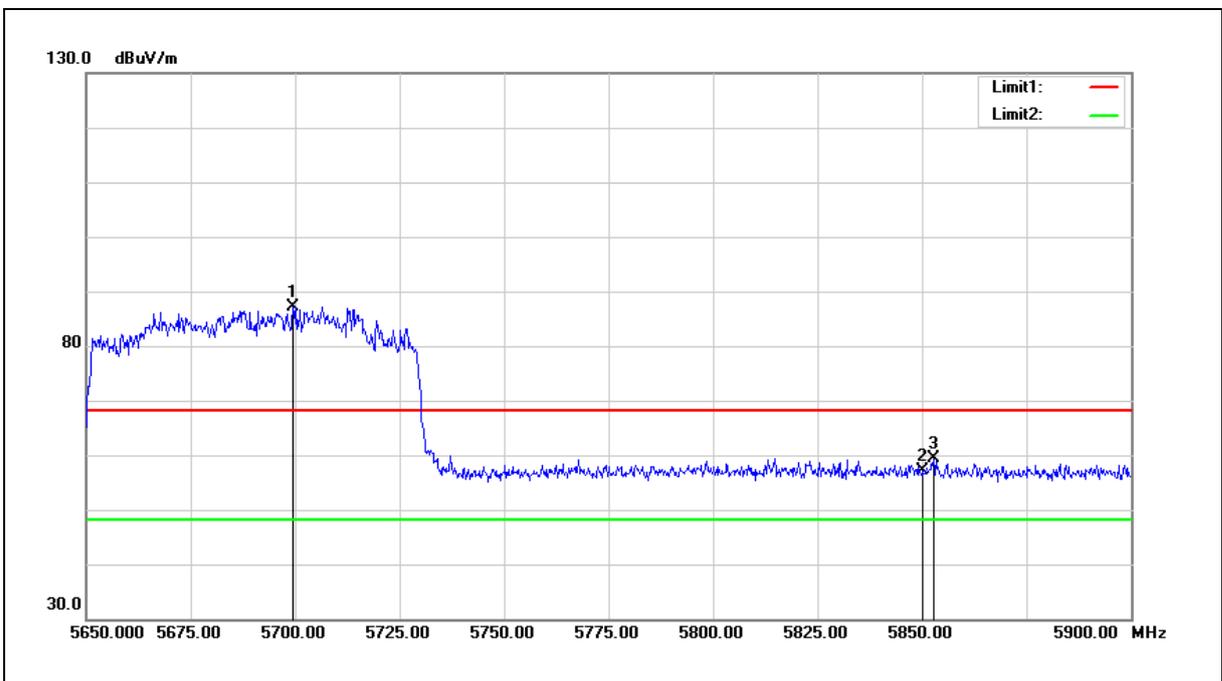
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5690 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 9 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=9.75 · Output Power=9.38 dBm (AUX)Power Setting=10.50 · Output Power=9.33 dBm | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5699.500 | 78.99 | 8.26 | 87.25 | -- | -- | peak |
| 2 | 5850.000 | 48.48 | 8.55 | 57.03 | 68.20 | -11.17 | peak |
| 3 | 5852.750 | 50.84 | 8.56 | 59.40 | 68.20 | -8.80 | peak |

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

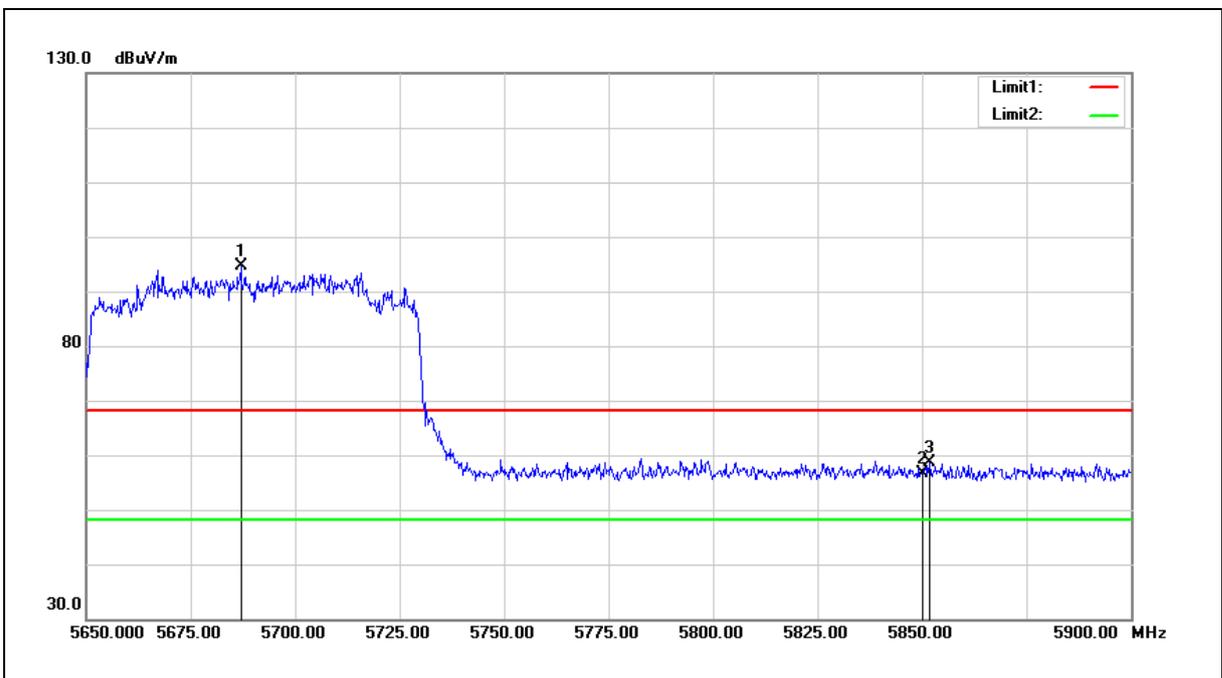
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5690 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 9 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=9.75 · Output Power=9.38 dBm (AUX)Power Setting=10.50 · Output Power=9.33 dBm | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5687.000 | 86.40 | 8.23 | 94.63 | -- | -- | peak |
| 2 | 5850.000 | 48.11 | 8.55 | 56.66 | 68.20 | -11.54 | peak |
| 3 | 5851.750 | 50.04 | 8.55 | 58.59 | 68.20 | -9.61 | 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).

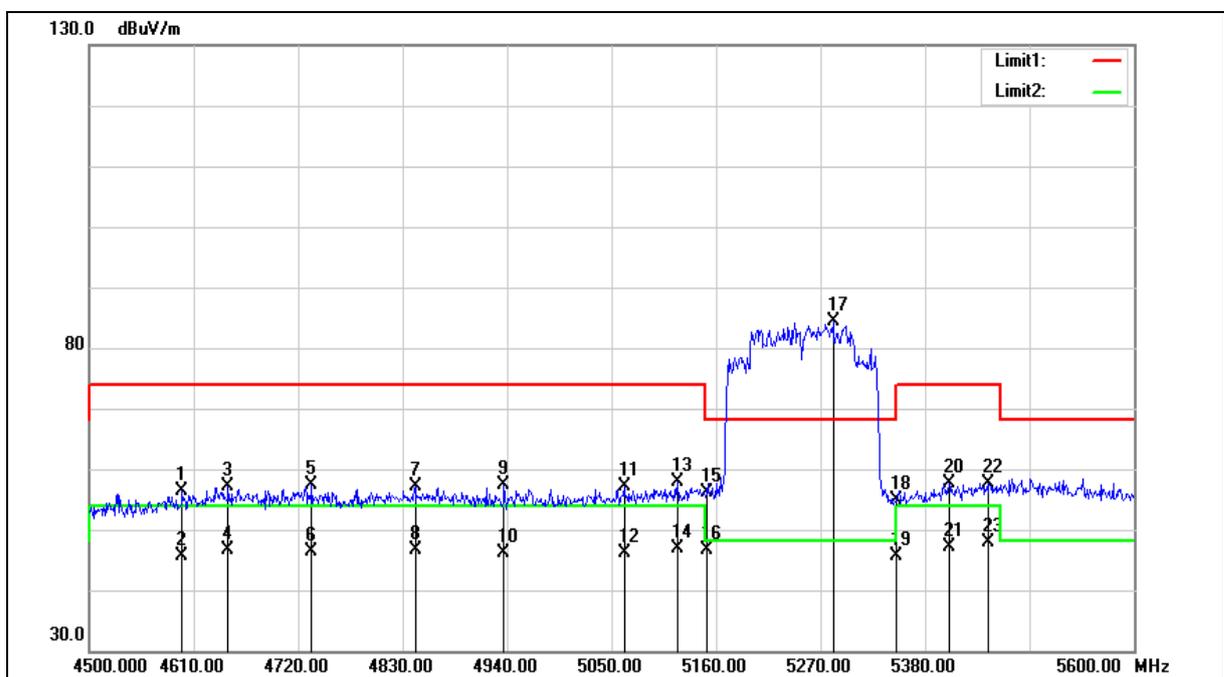
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5250 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 10 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=9.00 · Output Power=9.32 dBm (AUX)Power Setting=9.625 · Output Power=9.29 dBm | | |





| | | | |
|--------------|--|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5250 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 10 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=9.00 · Output Power=9.32 dBm (AUX)Power Setting=9.625 · Output Power=9.29 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 4597.900 | 51.07 | 5.23 | 56.30 | 74.00 | -17.70 | peak |
| 2 | 4597.900 | 40.31 | 5.23 | 45.54 | 54.00 | -8.46 | AVG |
| 3 | 4646.300 | 51.69 | 5.36 | 57.05 | 74.00 | -16.95 | peak |
| 4 | 4646.300 | 41.15 | 5.36 | 46.51 | 54.00 | -7.49 | AVG |
| 5 | 4734.300 | 51.67 | 5.63 | 57.30 | 74.00 | -16.70 | peak |
| 6 | 4734.300 | 40.70 | 5.63 | 46.33 | 54.00 | -7.67 | AVG |
| 7 | 4843.200 | 51.31 | 5.94 | 57.25 | 74.00 | -16.75 | peak |
| 8 | 4843.200 | 40.71 | 5.94 | 46.65 | 54.00 | -7.35 | AVG |
| 9 | 4936.700 | 51.21 | 6.21 | 57.42 | 74.00 | -16.58 | peak |
| 10 | 4936.700 | 39.95 | 6.21 | 46.16 | 54.00 | -7.84 | AVG |
| 11 | 5063.200 | 50.50 | 6.58 | 57.08 | 74.00 | -16.92 | peak |
| 12 | 5063.200 | 39.66 | 6.58 | 46.24 | 54.00 | -7.76 | AVG |
| 13 | 5119.300 | 51.13 | 6.74 | 57.87 | 74.00 | -16.13 | peak |
| 14 | 5119.300 | 40.04 | 6.74 | 46.78 | 54.00 | -7.22 | AVG |
| 15 | 5150.000 | 49.40 | 6.84 | 56.24 | 74.00 | -17.76 | peak |
| 16 | 5150.000 | 39.88 | 6.84 | 46.72 | 54.00 | -7.28 | AVG |
| 17 | 5283.200 | 77.19 | 7.22 | 84.41 | -- | -- | peak |
| 18 | 5350.000 | 47.36 | 7.41 | 54.77 | 74.00 | -19.23 | peak |
| 19 | 5350.000 | 38.17 | 7.41 | 45.58 | 54.00 | -8.42 | AVG |
| 20 | 5405.300 | 50.00 | 7.58 | 57.58 | 74.00 | -16.42 | 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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5250 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 10 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=9.00 · Output Power=9.32 dBm (AUX)Power Setting=9.625 · Output Power=9.29 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 21 | 5405.300 | 39.61 | 7.58 | 47.19 | 54.00 | -6.81 | AVG |
| 22 | 5447.100 | 49.94 | 7.70 | 57.64 | 74.00 | -16.36 | peak |
| 23 | 5447.100 | 40.25 | 7.70 | 47.95 | 54.00 | -6.05 | 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).

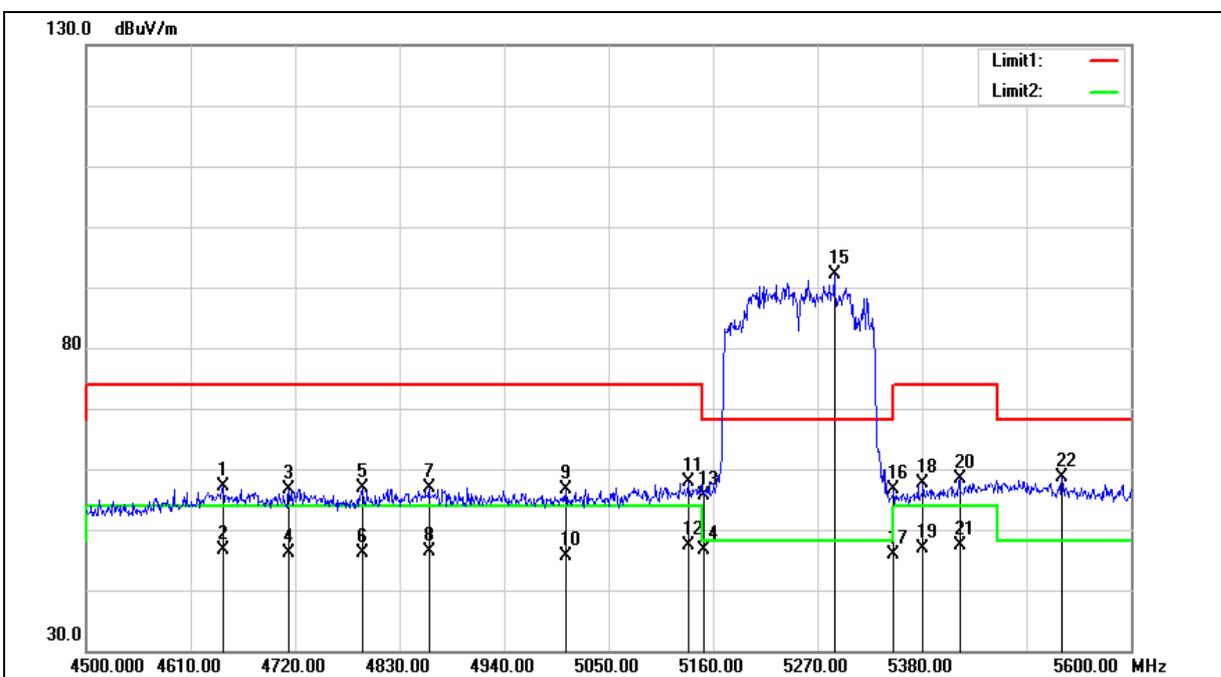
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5250 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 10 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=9.00 · Output Power=9.32 dBm (AUX)Power Setting=9.625 · Output Power=9.29 dBm | | |





| | | | |
|--------------|--|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5250 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 10 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=9.00 · Output Power=9.32 dBm (AUX)Power Setting=9.625 · Output Power=9.29 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 4644.100 | 51.78 | 5.36 | 57.14 | 74.00 | -16.86 | peak |
| 2 | 4644.100 | 41.32 | 5.36 | 46.68 | 54.00 | -7.32 | AVG |
| 3 | 4713.400 | 51.18 | 5.56 | 56.74 | 74.00 | -17.26 | peak |
| 4 | 4713.400 | 40.56 | 5.56 | 46.12 | 54.00 | -7.88 | AVG |
| 5 | 4791.500 | 51.19 | 5.79 | 56.98 | 74.00 | -17.02 | peak |
| 6 | 4791.500 | 40.22 | 5.79 | 46.01 | 54.00 | -7.99 | AVG |
| 7 | 4860.800 | 50.97 | 5.99 | 56.96 | 74.00 | -17.04 | peak |
| 8 | 4860.800 | 40.50 | 5.99 | 46.49 | 54.00 | -7.51 | AVG |
| 9 | 5004.900 | 50.12 | 6.41 | 56.53 | 74.00 | -17.47 | peak |
| 10 | 5004.900 | 39.34 | 6.41 | 45.75 | 54.00 | -8.25 | AVG |
| 11 | 5133.600 | 51.04 | 6.79 | 57.83 | 74.00 | -16.17 | peak |
| 12 | 5133.600 | 40.57 | 6.79 | 47.36 | 54.00 | -6.64 | AVG |
| 13 | 5150.000 | 48.80 | 6.84 | 55.64 | 74.00 | -18.36 | peak |
| 14 | 5150.000 | 39.84 | 6.84 | 46.68 | 54.00 | -7.32 | AVG |
| 15 | 5287.600 | 84.81 | 7.23 | 92.04 | -- | -- | peak |
| 16 | 5350.000 | 49.33 | 7.41 | 56.74 | 74.00 | -17.26 | peak |
| 17 | 5350.000 | 38.38 | 7.41 | 45.79 | 54.00 | -8.21 | AVG |
| 18 | 5381.100 | 50.10 | 7.51 | 57.61 | 74.00 | -16.39 | peak |
| 19 | 5381.100 | 39.25 | 7.51 | 46.76 | 54.00 | -7.24 | AVG |
| 20 | 5419.600 | 50.69 | 7.62 | 58.31 | 74.00 | -15.69 | peak |
| 21 | 5419.600 | 39.87 | 7.62 | 47.49 | 54.00 | -6.51 | AVG |
| 22 | 5527.400 | 50.69 | 7.91 | 58.60 | 68.20 | -9.60 | 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).

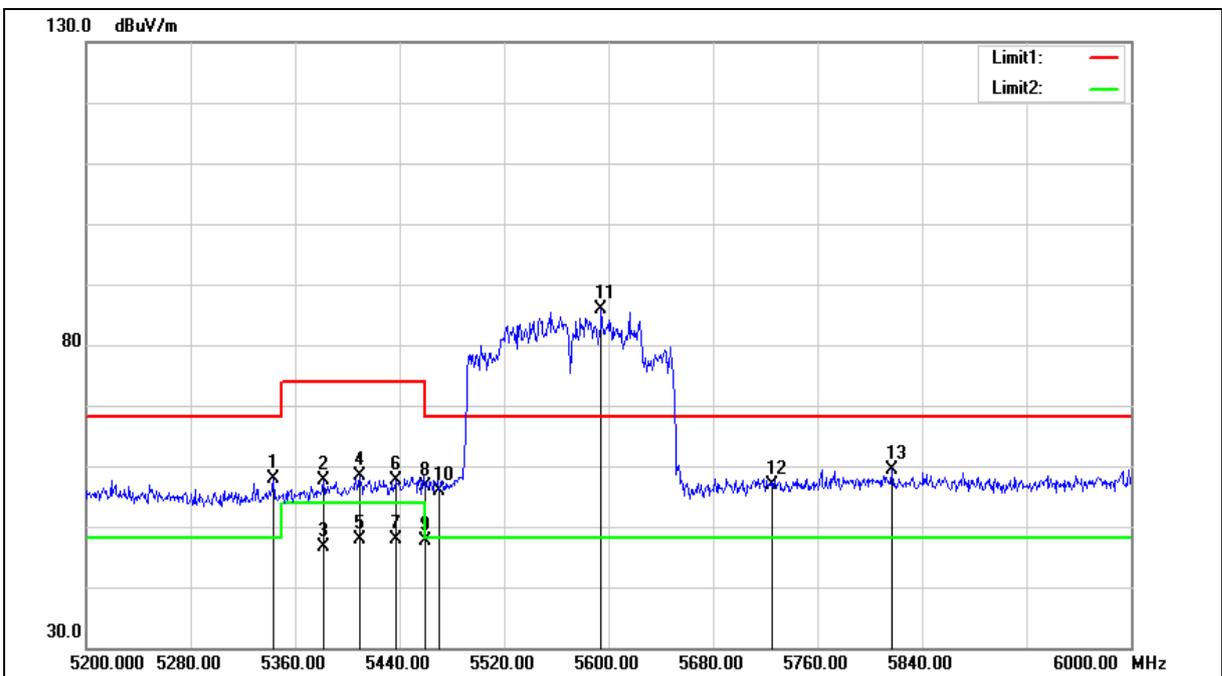
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5570 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 10 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=9.375 · Output Power=9.29 dBm | | |
| | (AUX)Power Setting=9.75 · Output Power=9.27 dBm | | |





| | | | |
|--------------|--|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5570 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 10 | | |
| Ant.Polar.: | Horizontal | | |
| Description: | (MAIN)Power Setting=9.375 · Output Power=9.29 dBm (AUX)Power Setting=9.75 · Output Power=9.27 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5343.200 | 50.40 | 7.39 | 57.79 | 68.20 | -10.41 | peak |
| 2 | 5381.600 | 50.16 | 7.51 | 57.67 | 74.00 | -16.33 | peak |
| 3 | 5381.600 | 39.17 | 7.51 | 46.68 | 54.00 | -7.32 | AVG |
| 4 | 5409.600 | 50.71 | 7.59 | 58.30 | 74.00 | -15.70 | peak |
| 5 | 5409.600 | 40.22 | 7.59 | 47.81 | 54.00 | -6.19 | AVG |
| 6 | 5437.600 | 50.06 | 7.67 | 57.73 | 74.00 | -16.27 | peak |
| 7 | 5437.600 | 40.19 | 7.67 | 47.86 | 54.00 | -6.14 | AVG |
| 8 | 5460.000 | 48.92 | 7.74 | 56.66 | 74.00 | -17.34 | peak |
| 9 | 5460.000 | 39.95 | 7.74 | 47.69 | 54.00 | -6.31 | AVG |
| 10 | 5470.000 | 48.14 | 7.76 | 55.90 | 68.20 | -12.30 | peak |
| 11 | 5594.400 | 77.84 | 8.03 | 85.87 | -- | -- | peak |
| 12 | 5725.000 | 48.60 | 8.31 | 56.91 | 68.20 | -11.29 | peak |
| 13 | 5816.800 | 50.99 | 8.49 | 59.48 | 68.20 | -8.72 | 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).

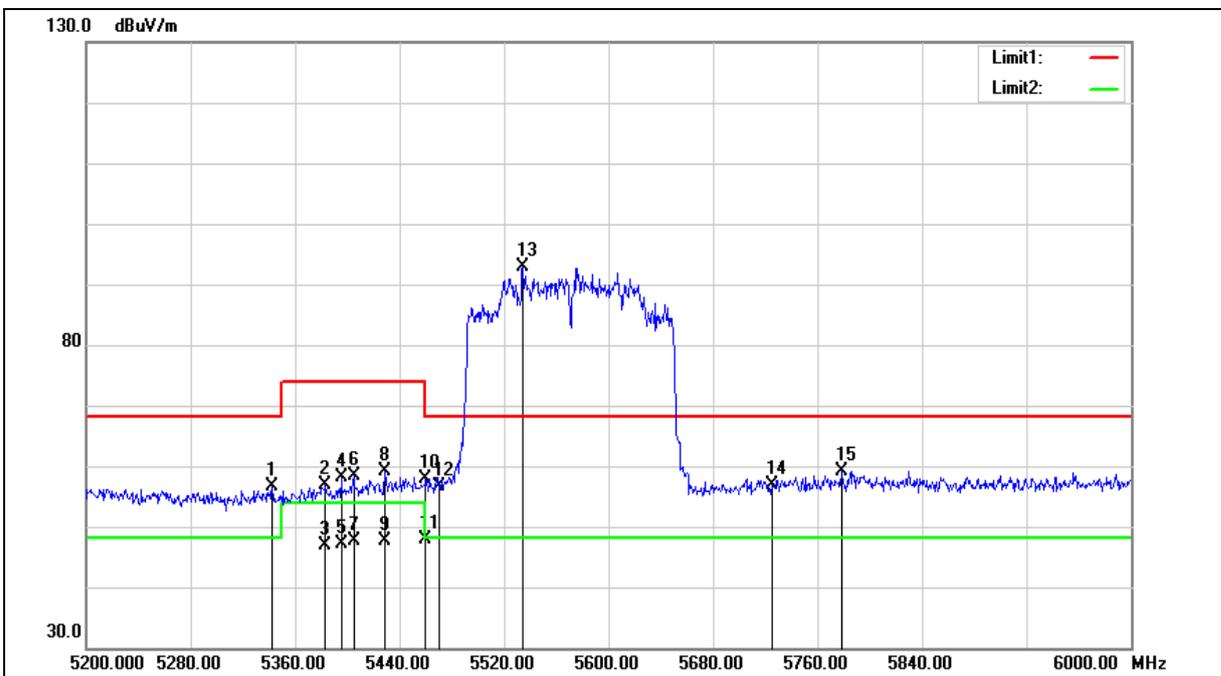
3.When the peak results are less than average limit, there is no need to evaluate the average.

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 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5570 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 10 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=9.375 · Output Power=9.29 dBm (AUX)Power Setting=9.75 · Output Power=9.27 dBm | | |





| | | | |
|--------------|--|----------------------|----------------|
| Standard: | FCC Part 15.407 | Test Distance: | 3 m |
| Test item: | Band edge | Power: | AC 120 V/60 Hz |
| Frequency: | 5570 MHz | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH |
| Mode: | Mode 10 | | |
| Ant.Polar.: | Vertical | | |
| Description: | (MAIN)Power Setting=9.375 · Output Power=9.29 dBm (AUX)Power Setting=9.75 · Output Power=9.27 dBm | | |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1 | 5342.400 | 49.34 | 7.39 | 56.73 | 68.20 | -11.47 | peak |
| 2 | 5383.200 | 49.34 | 7.51 | 56.85 | 74.00 | -17.15 | peak |
| 3 | 5383.200 | 39.47 | 7.51 | 46.98 | 54.00 | -7.02 | AVG |
| 4 | 5395.200 | 50.63 | 7.56 | 58.19 | 74.00 | -15.81 | peak |
| 5 | 5395.200 | 39.49 | 7.56 | 47.05 | 54.00 | -6.95 | AVG |
| 6 | 5404.800 | 50.85 | 7.57 | 58.42 | 74.00 | -15.58 | peak |
| 7 | 5404.800 | 40.16 | 7.57 | 47.73 | 54.00 | -6.27 | AVG |
| 8 | 5428.800 | 51.38 | 7.65 | 59.03 | 74.00 | -14.97 | peak |
| 9 | 5428.800 | 40.02 | 7.65 | 47.67 | 54.00 | -6.33 | AVG |
| 10 | 5460.000 | 50.18 | 7.74 | 57.92 | 74.00 | -16.08 | peak |
| 11 | 5460.000 | 40.16 | 7.74 | 47.90 | 54.00 | -6.10 | AVG |
| 12 | 5470.000 | 48.86 | 7.76 | 56.62 | 68.20 | -11.58 | peak |
| 13 | 5534.400 | 85.01 | 7.91 | 92.92 | -- | -- | peak |
| 14 | 5725.000 | 48.69 | 8.31 | 57.00 | 68.20 | -11.20 | peak |
| 15 | 5778.400 | 50.83 | 8.41 | 59.24 | 68.20 | -8.96 | 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.

---END---