

FCC Test Report

| | |
|--------------|-----------------|
| Product Name | Mobile Computer |
| Model No | RS35 |
| FCC ID. | Q3N-RS35 |

| | |
|-----------|---|
| Applicant | Cipherlab Co, Ltd. |
| Address | 12F, NO.333, SEC.2, DUNHUA S. RD., TAIPEI, TAIWAN, R.O.C. |

| | |
|-----------------|----------------------|
| Date of Receipt | June 08, 2020 |
| Issue Date | July 02, 2020 |
| Report No. | 2060284R-E3032110119 |
| Report Version | V1.0 |



The test results relate only to the samples tested.

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

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

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

Test Report

Issue Date: July 02, 2020

Report No.: 2060284R-E3032110119



| | |
|---------------------|---|
| Product Name | Mobile Computer |
| Applicant | Cipherlab Co, Ltd. |
| Address | 12F, NO.333, SEC.2, DUNHUA S. RD., TAIPEI, TAIWAN, R.O.C. |
| Manufacturer | Cipherlab Co, Ltd. |
| Model No. | RS35 |
| FCC ID. | Q3N-RS35 |
| EUT Rated Voltage | AC 100-240V, 50-60Hz or DC 5V by USB or DC 3.8V by battery |
| EUT Test Voltage | AC 120V / 60Hz |
| Trade Name | CIPHERLAB |
| Applicable Standard | FCC CFR Title 47 Part 15 Subpart C ANSI C63.4: 2014, ANSI C63.10: 2013 |
| Test Result | Complied |

Documented By : Genie Chang
(Senior Adm. Specialist / Genie Chang)

Tested By : Yun Che Chen
(Engineer / Yunche Chen)

Approved By : Vincent Lin
(Director / Vincent Lin)

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Revision History

| Report No. | Version | Description | Issued Date |
|----------------------|---------|--------------------------|-------------|
| 2060284R-E3032110119 | V1.0 | Initial issue of report. | 2020-07-02 |

1. GENERAL INFORMATION

1.1. EUT Description

| | |
|---------------------|--|
| Product Name | Mobile Computer |
| Trade Name | CIPHERLAB |
| Model No. | RS35 |
| FCC ID. | Q3N-RS35 |
| Frequency Range | 2412-2462MHz for 802.11b/g/n-20BW, 2422-2452MHz for 802.11n-40BW |
| Number of Channels | 802.11b/g/n-20MHz: 11, n-40MHz: 7 |
| Data Speed | 802.11b: 1-11Mbps, 802.11g: 6-54Mbps, 802.11n: up to 150Mbps |
| Channel separation | 802.11b/g/n: 5 MHz |
| Type of Modulation | 802.11b:DSSS (DBPSK, DQPSK, CCK) 802.11g/n:OFDM (BPSK, QPSK, 16QAM, 64QAM) |
| Antenna Type | PIFA Antenna |
| Antenna Gain | Refer to the table "Antenna List" |
| Channel Control | Auto |
| USB to Type-C Cable | Shielded, 1m |
| USB Docking Cable | Shielded, 1.5m, with one ferrite core boned. |
| Power Adapter | MFR: SUNNY, M/N: SYS1561-1005 Input: AC 100-240V, 50-60Hz Output: 5V $\overline{=}$ 2A |

Antenna List

| No. | Manufacturer | Part No. | Antenna Type | Peak Gain |
|-----|--------------|----------|--------------|-------------------|
| 1 | Auden | RS35 | PIFA Antenna | 0.1dBi for 2.4GHz |

Note: The antenna of EUT is conforming to FCC 15.203.

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

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

802.11n-40MHz Center Frequency of Each Channel:

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Channel 03: | 2422 MHz | Channel 04: | 2427 MHz | Channel 05: | 2432 MHz | Channel 06: | 2437 MHz |
| Channel 07: | 2442 MHz | Channel 08: | 2447 MHz | Channel 09: | 2452 MHz | | |

Note:

1. The EUT is a Mobile Computer with a built-in 2.4 GHz and 5 GHz WLAN and Bluetooth V4.0, V3.0, V2.1+EDR transceiver , this report for 2.4GHz WLAN.
2. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
4. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report. (802.11b is 1Mbps 、 802.11g is 6Mbps 、 802.11n(20M-BW) is 7.2Mbps and 802.11n(40M-BW) is 15Mbps)
5. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11b/g/n transmitter with Part 15 Subpart C Paragraph 15.247 of spread spectrum devices.

| | |
|------------|--|
| Test Mode: | Mode 1: Transmit (802.11b 1Mbps) |
| | Mode 2: Transmit (802.11g 6Mbps) |
| | Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) |
| | Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) |

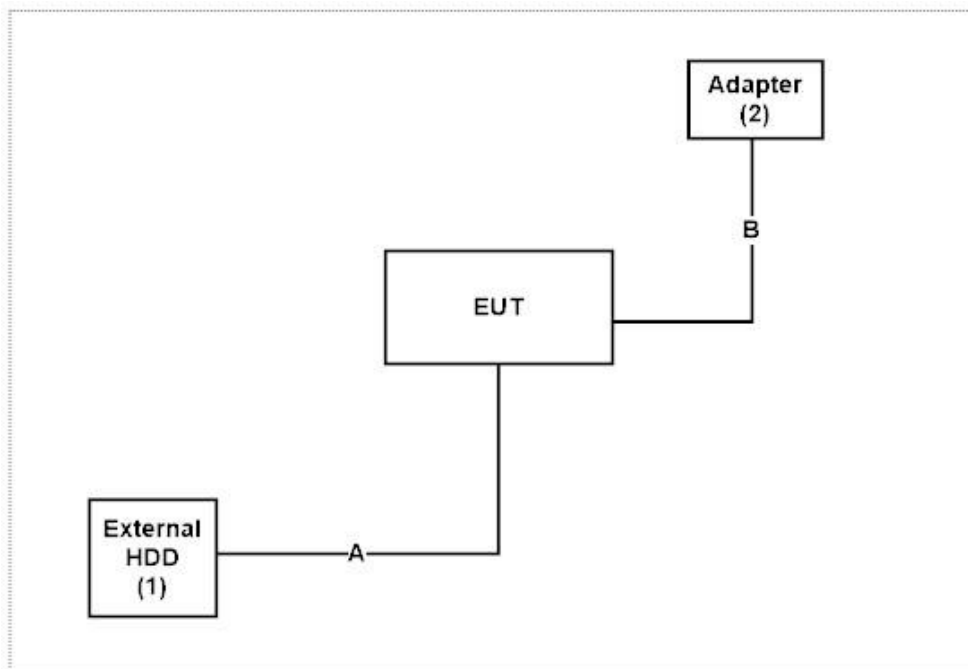
1.3. Tested System Details

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

| | Product | Manufacturer | Model No. | Serial No. | Power Cord |
|---|--------------|--------------|--------------|-------------|------------|
| 1 | External HDD | Transcend | TS1TSJ25H3B | F21786-0125 | N/A |
| 2 | Adapter | SUNNY | SYS1561-1005 | N/A | N/A |

| Signal Cable Type | Signal cable Description |
|-------------------|---|
| A | USB to Type-C Cable Shielded, 1m |
| B | USB Docking Cable Shielded, 1.5m, with one ferrite core boned. |

1.4. Configuration of Tested System



1.5. EUT Exercise Software

1. Setup the EUT as shown in Section 1.4.
2. Execute software "QRCT v3.0.271.0" on the EUT.
3. Configure the test mode, the test channel, and the data rate.
4. Press "OK" to start the continuous Transmit.
5. Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

| Performed Item | Items | Required | Actual |
|--------------------|------------------|----------|---------|
| Conducted Emission | Temperature (°C) | 10~40 °C | 26.1 °C |
| | Humidity (%RH) | 10~90 % | 45 % |
| Radiated Emission | Temperature (°C) | 10~40 °C | 25.8 °C |
| | Humidity (%RH) | 10~90 % | 73 % |
| Conductive | Temperature (°C) | 10~40 °C | 23.4 °C |
| | Humidity (%RH) | 10~90 % | 71.9 % |

USA : FCC Registration Number: TW3023

Canada : IC Registration Number: 4075A

Site Description: Accredited by TAF
Accredited Number: 3023

Test Laboratory: DEKRA Testing and Certification Co., Ltd
Address: No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451,
Taiwan, R.O.C.

Phone number: 886-2-8601-3788

Fax number: 886-2-8601-3789

Email address: info.tw@dekra.com

Website: <http://www.dekra.com.tw>

1.7. List of Test Item and Equipment

For Conducted measurements /CB3/SR8

| | Equipment | Manufacturer | Model No. | Serial No. | Cali. Date | Due. Date |
|---|-----------------------|--------------|-----------|--------------|------------|------------|
| | Temperature Chamber | WIT GROUP | TH-1S-B | EQ-201-00146 | 2020/04/06 | 2021/04/05 |
| X | Spectrum Analyzer | Agilent | N9010A | MY53470892 | 2019/09/25 | 2020/09/24 |
| X | Peak Power Analyzer | Keysight | 8990B | MY51000410 | 2019/07/30 | 2020/07/29 |
| X | Wideband Power Sensor | Keysight | N1923A | MY56080003 | 2019/07/30 | 2020/07/29 |
| X | Wideband Power Sensor | Keysight | N1923A | MY56080004 | 2019/07/30 | 2020/07/29 |
| X | EMI Test Receiver | R&S | ESCS 30 | 100369 | 2019/11/27 | 2020/11/26 |
| X | LISN | R&S | ENV216 | 101105 | 2020/04/27 | 2021/04/26 |
| X | LISN | R&S | ESH3-Z5 | 836679/014 | 2020/04/26 | 2021/04/25 |
| X | Coaxial Cable | DEKRA | RG 400 | LC018-RG | 2020/06/19 | 2021/06/18 |

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : DEKRA Conduction Test SystemV9.0.5.

For Radiated measurements /Site3/CB8

| | Equipment | Manufacturer | Model No. | Serial No. | Cali. Date | Due. Date |
|---|-------------------|-----------------|-------------|-------------------|------------|------------|
| X | Test Receiver | R&S | ESR7 | 101602 | 2019/12/16 | 2020/12/15 |
| X | Signal Analyzer | R&S | FSV40 | 101869 | 2019/07/04 | 2020/07/03 |
| X | Loop Antenna | Teseq | HLA6121 | 37133 | 2019/10/15 | 2021/10/14 |
| X | Bilog Antenna | Schaffner Chase | CBL6112B | 2916 | 2020/01/20 | 2021/01/19 |
| X | Coaxial Cable | DEKRA | L1907-001C | 280280.F141.1000D | 2019/07/10 | 2020/07/09 |
| X | Amplifier | EMCI | EMC001330 | 980254 | 2019/08/22 | 2020/08/21 |
| X | Horn Antenna | ETS-LINDGREN | 3117 | 00228113 | 2020/05/28 | 2021/05/27 |
| X | Coaxial Cable | DEKRA | L1907-002C | 280280.F141.1000D | 2019/07/10 | 2020/07/09 |
| X | Amplifier | EMCI | EMC05820SE | 980362 | 2020/06/30 | 2021/06/29 |
| X | Amplifier | EMCI | EMC051845SE | 980632 | 2019/08/08 | 2020/08/07 |
| | Horn Antenna | Com-Power | AH-1840 | 101101 | 2019/10/31 | 2020/10/30 |
| | Amplifier + Cable | EMCI | EMC184045SE | 980369 | 2020/04/23 | 2021/04/22 |
| | Bilog Antenna | Schaffner Chase | CBL6112B | 2925 | 2020/02/20 | 2021/02/19 |
| | Coaxial Cable | DEKRA | L1907-003C | 00100A1B3A120M | 2019/07/10 | 2020/07/09 |
| | Amplifier | EMCI | EMC001330 | 980255 | 2020/03/17 | 2021/03/16 |
| X | Filter | MICRO-TRONICS | BRM50702 | G270 | 2019/08/08 | 2020/08/07 |
| | Filter | MICRO-TRONICS | BRM50716 | G196 | 2019/08/08 | 2020/08/07 |

Note:

1. Loop Antenna is calibrated every two years, the other equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : DEKRA Test SystemV1.1.

1.8. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document, and is described in each test chapter of this report.

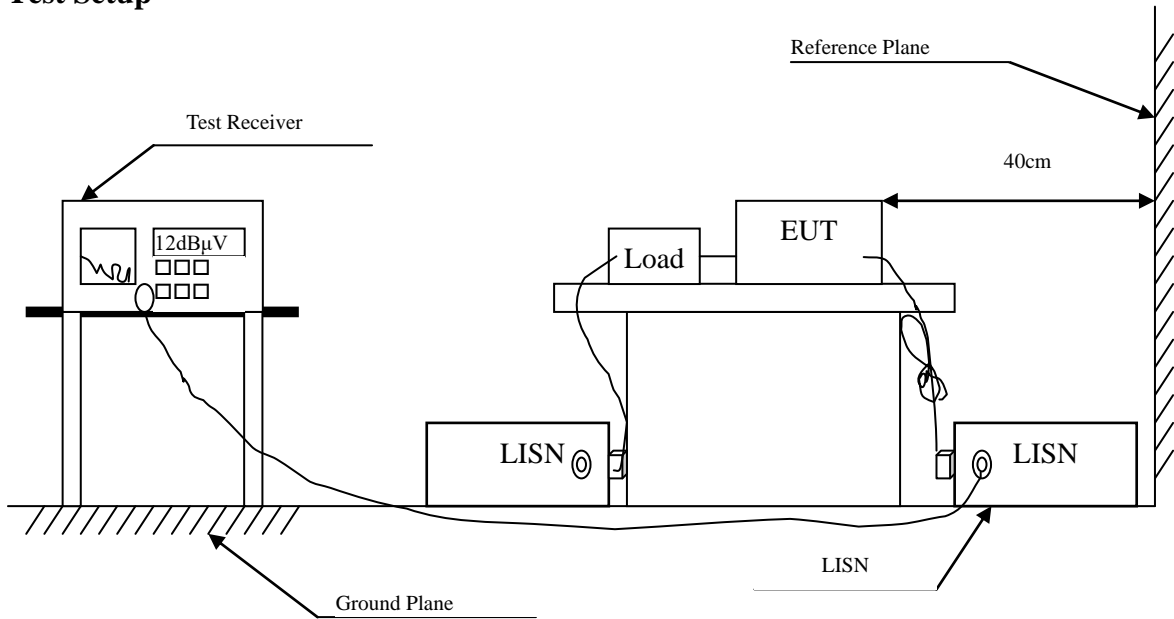
The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

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

| Test item | Uncertainty | |
|---------------------------|--|------------------------------|
| Conducted Emission | ±3.42dB | |
| Peak Power Output | Power Meter ±0.89dB | Spectrum Analyzer ±2.06dB |
| Radiated Emission | 9kHz~30MHz: ±3.88dB 30MHz~1GHz: ±4.06dB 1GHz~18GHz: ±3.71dB 18GHz~40GHz: ±3.73dB 40GHz~50GHz: ±3.75dB 50GHz~325GHz: ±4.39dB | |
| RF antenna conducted test | ±2.06dB | |
| Band Edge | 9kHz~30MHz: ±3.88dB 30MHz~1GHz: ±4.06dB 1GHz~18GHz: ±3.71dB 18GHz~40GHz: ±3.73dB 40GHz~50GHz: ±3.75dB 50GHz~325GHz: ±4.39dB | |
| 6dB Bandwidth | ±1544.74Hz | |
| Power Density | ±2.06dB | |
| Duty Cycle (2.4GHz) | ±2.31msec | |

2. Conducted Emission

2.1. Test Setup



2.2. Limits

| FCC Part 15 Subpart C Paragraph 15.207 (dB μ V) Limit | | |
|---|--------|-------|
| Frequency MHz | Limits | |
| | QP | AVG |
| 0.15 - 0.50 | 66-56 | 56-46 |
| 0.50-5.0 | 56 | 46 |
| 5.0 - 30 | 60 | 50 |

2.3. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

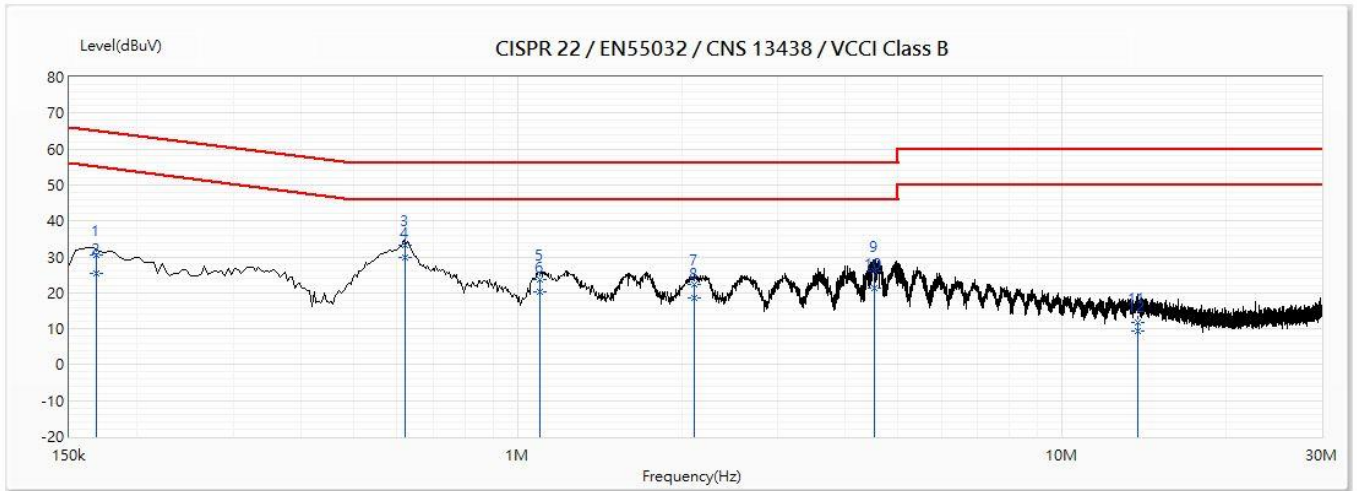
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.4. Test Result of Conducted Emission

Product : Mobile Computer
 Test Item : Conducted Emission Test
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2437MHz)
 Test Date : 2020/06/29

Line1



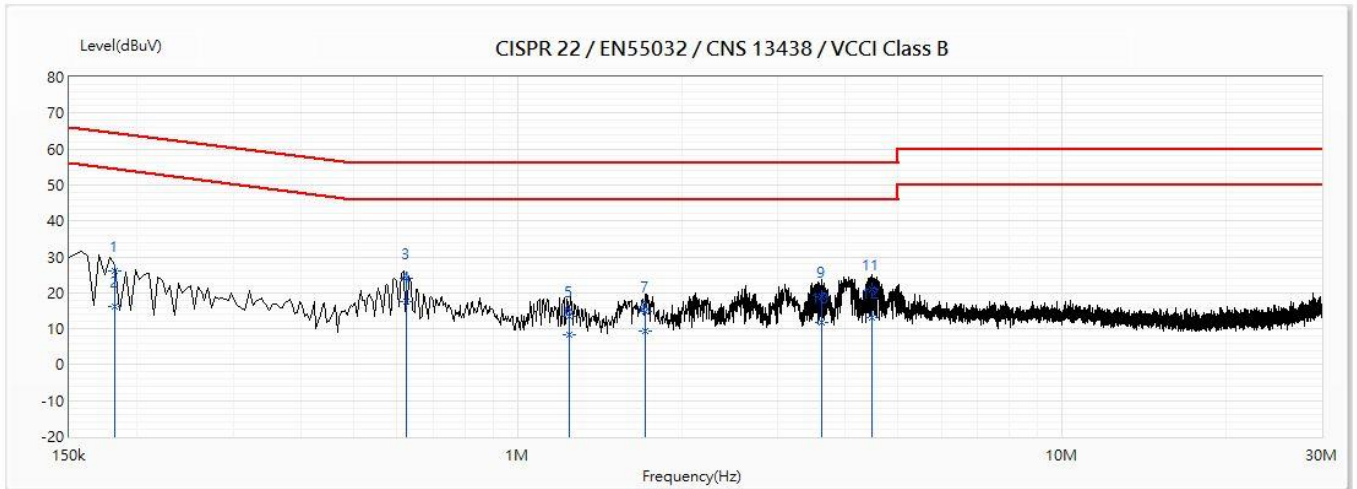
| No | Frequency (MHz) | Emission Level (dBuV) | Limit (dBuV) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|----|-----------------|-----------------------|--------------|-------------|----------------------|---------------------|---------------|
| 1 | 0.168 | 30.57 | 65.05 | -34.48 | 20.76 | 9.81 | QP |
| 2 | 0.168 | 25.30 | 55.05 | -29.75 | 15.49 | 9.81 | AV |
| 3 | 0.622 | 33.08 | 56.00 | -22.92 | 23.28 | 9.80 | QP |
| *4 | 0.622 | 29.75 | 46.00 | -16.25 | 19.95 | 9.80 | AV |
| 5 | 1.097 | 23.52 | 56.00 | -32.48 | 13.71 | 9.80 | QP |
| 6 | 1.097 | 20.27 | 46.00 | -25.73 | 10.47 | 9.80 | AV |
| 7 | 2.107 | 22.18 | 56.00 | -33.82 | 12.33 | 9.85 | QP |
| 8 | 2.107 | 18.53 | 46.00 | -27.47 | 8.68 | 9.85 | AV |
| 9 | 4.53 | 26.16 | 56.00 | -29.84 | 16.23 | 9.93 | QP |
| 10 | 4.53 | 21.23 | 46.00 | -24.77 | 11.30 | 9.93 | AV |
| 11 | 13.792 | 11.80 | 60.00 | -48.20 | 1.68 | 10.12 | QP |
| 12 | 13.792 | 9.38 | 50.00 | -40.62 | -0.75 | 10.12 | AV |

Remark:

1. "*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit

Product : Mobile Computer
 Test Item : Conducted Emission Test
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2437MHz)
 Test Date : 2020/06/29

N



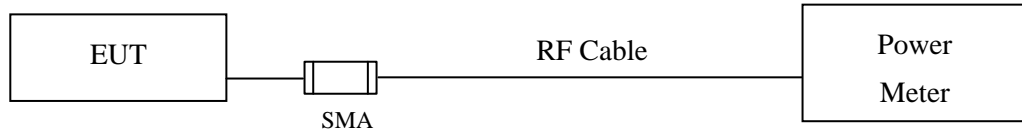
| No | Frequency (MHz) | Emission Level (dBuV) | Limit (dBuV) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB) | Detector Type |
|----|-----------------|-----------------------|--------------|-------------|----------------------|---------------------|---------------|
| 1 | 0.182 | 26.10 | 64.41 | -38.31 | 16.31 | 9.78 | QP |
| 2 | 0.182 | 16.13 | 54.41 | -38.27 | 6.35 | 9.78 | AV |
| 3 | 0.623 | 24.06 | 56.00 | -31.94 | 14.27 | 9.79 | QP |
| *4 | 0.623 | 17.43 | 46.00 | -28.57 | 7.64 | 9.79 | AV |
| 5 | 1.243 | 13.55 | 56.00 | -42.45 | 3.75 | 9.80 | QP |
| 6 | 1.243 | 8.34 | 46.00 | -37.66 | -1.46 | 9.80 | AV |
| 7 | 1.717 | 14.65 | 56.00 | -41.35 | 4.82 | 9.83 | QP |
| 8 | 1.717 | 9.30 | 46.00 | -36.70 | -0.52 | 9.83 | AV |
| 9 | 3.619 | 18.98 | 56.00 | -37.02 | 9.09 | 9.89 | QP |
| 10 | 3.619 | 11.85 | 46.00 | -34.15 | 1.97 | 9.89 | AV |
| 11 | 4.48 | 21.04 | 56.00 | -34.96 | 11.13 | 9.92 | QP |
| 12 | 4.48 | 13.23 | 46.00 | -32.77 | 3.31 | 9.92 | AV |

Remark:

1. "*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit

3. Peak Power Output

3.1. Test Setup



3.2. Limits

The maximum peak power shall be less 1 Watt.

3.3. Test Procedure

The EUT was tested according to C63.10:2013 for compliance to FCC 47CFR 15.247 requirements. The maximum peak conducted output power using C63.10:2013 Section 11.9.1.3 PKPM1 Peak power meter method. The maximum average conducted output power using C63.10:2013 Section 11.9.2.3 Measurement using a power meter (PM). (Measurement using a gated RF average-reading power meter).

3.4. Test Result of Peak Power Output

Product : Mobile Computer
 Test Item : Peak Power Output Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)
 Test Date : 2020/06/10

| Channel No | Frequency (MHz) | Average Power For different Data Rate (Mbps) | | | | Peak Power | Required Limit | Result |
|------------|-----------------|---|-------|-------|-------|------------|----------------|--------|
| | | 1 | 2 | 5.5 | 11 | | | |
| | | Measurement Level (dBm) | | | | | | |
| 01 | 2412 | 18.86 | -- | -- | -- | 21.47 | <30dBm | Pass |
| 06 | 2437 | 18.57 | 18.48 | 18.43 | 18.35 | 21.29 | <30dBm | Pass |
| 11 | 2462 | 18.8 | -- | -- | -- | 21.26 | <30dBm | Pass |

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

Product : Mobile Computer
 Test Item : Peak Power Output Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)
 Test Date : 2020/06/10

| Channel No | Frequency (MHz) | Average Power For different Data Rate (Mbps) | | | | | | | | Peak Power | Required Limit | Result |
|------------|-----------------|---|-------|-------|-------|-------|-------|-------|-------|------------|----------------|--------|
| | | 6 | 9 | 12 | 18 | 24 | 36 | 48 | 54 | 6 | | |
| | | Measurement Level (dBm) | | | | | | | | | | |
| 01 | 2412 | 17.45 | -- | -- | -- | -- | -- | -- | -- | 25.12 | <30dBm | Pass |
| 06 | 2437 | 17.69 | 17.64 | 17.58 | 17.48 | 17.38 | 17.35 | 17.31 | 17.21 | 25.87 | <30dBm | Pass |
| 11 | 2462 | 15.66 | -- | -- | -- | -- | -- | -- | -- | 23.6 | <30dBm | Pass |

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

Product : Mobile Computer
 Test Item : Peak Power Output Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)
 Test Date : 2020/06/10

| Channel No | Frequency (MHz) | Average Power | | | | | | | | Peak Power | Required Limit | Result |
|-------------------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|------------|----------------|--------|
| | | For different Data Rate (Mbps) | | | | | | | | | | |
| | | 7.2 | 14.4 | 21.7 | 28.9 | 43.3 | 57.8 | 65 | 72.2 | 7.2 | | |
| Measurement Level (dBm) | | | | | | | | | | | | |
| 01 | 2412 | 16.37 | -- | -- | -- | -- | -- | -- | -- | 24.65 | <30dBm | Pass |
| 06 | 2437 | 16.31 | 16.21 | 16.13 | 16.12 | 16.12 | 16.06 | 16.05 | 16.05 | 25.12 | <30dBm | Pass |
| 11 | 2462 | 13.81 | -- | -- | -- | -- | -- | -- | -- | 22.7 | <30dBm | Pass |

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

Product : Mobile Computer
 Test Item : Peak Power Output Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)
 Test Date : 2020/06/10

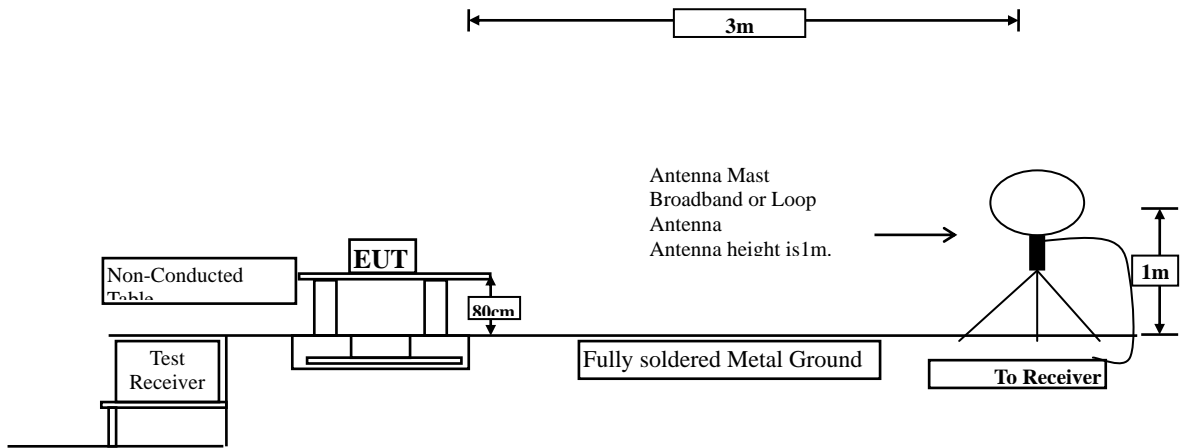
| Channel No | Frequency (MHz) | Average Power For different Data Rate (Mbps) | | | | | | | | Peak Power | Required Limit | Result |
|------------|-----------------|---|-------|-------|-------|-------|-------|-------|-------|------------|----------------|--------|
| | | 15 | 30 | 45 | 60 | 90 | 120 | 135 | 150 | | | |
| | | Measurement Level (dBm) | | | | | | | | | | |
| 03 | 2422 | 16.06 | -- | -- | -- | -- | -- | -- | -- | 25.44 | <30dBm | Pass |
| 06 | 2437 | 16.49 | 16.35 | 16.33 | 16.33 | 16.31 | 16.27 | 16.22 | 16.18 | 25.53 | <30dBm | Pass |
| 09 | 2452 | 14.44 | -- | -- | -- | -- | -- | -- | -- | 24.16 | <30dBm | Pass |

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

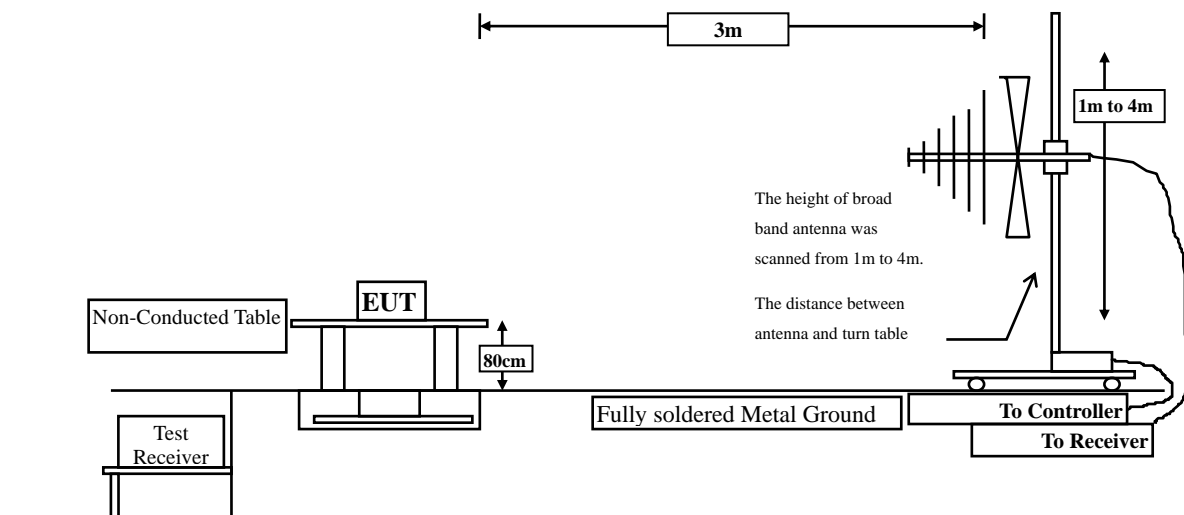
4. Radiated Emission

4.1. Test Setup

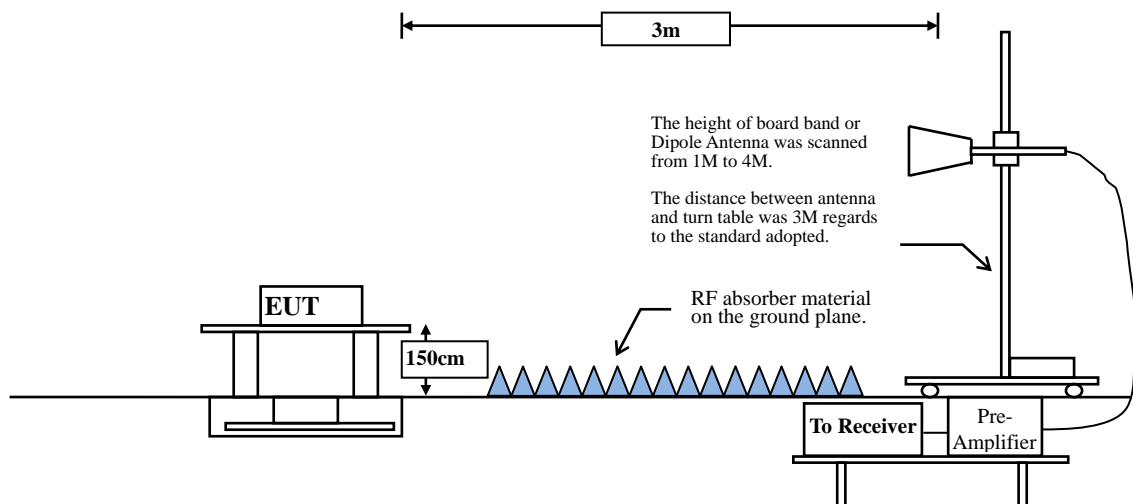
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



4.2. Limits

➤ General Radiated Emission Limits

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

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

- Remarks:
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to C63.10:2013 Section 11.12.1 for compliance to FCC 47CFR 15.247 requirements.

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

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

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

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

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

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

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

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

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

RBW and VBW Parameter setting:

According to C63.10 Section 11.12.2.4 Peak measurement procedure.

RBW = as specified in Table 1.

$VBW \geq 3 \times RBW$.

Table 1 —RBW as a function of frequency

| Frequency | RBW |
|-------------|-------------|
| 9-150 kHz | 200-300 Hz |
| 0.15-30 MHz | 9-10 kHz |
| 30-1000 MHz | 100-120 kHz |
| > 1000 MHz | 1 MHz |

According to C63.10 Section 11.12.2.5 Average measurement procedure.

RBW = 1MHz.

VBW = 10Hz, when duty cycle ≥ 98 %

$VBW \geq 1/T$, when duty cycle < 98 %

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

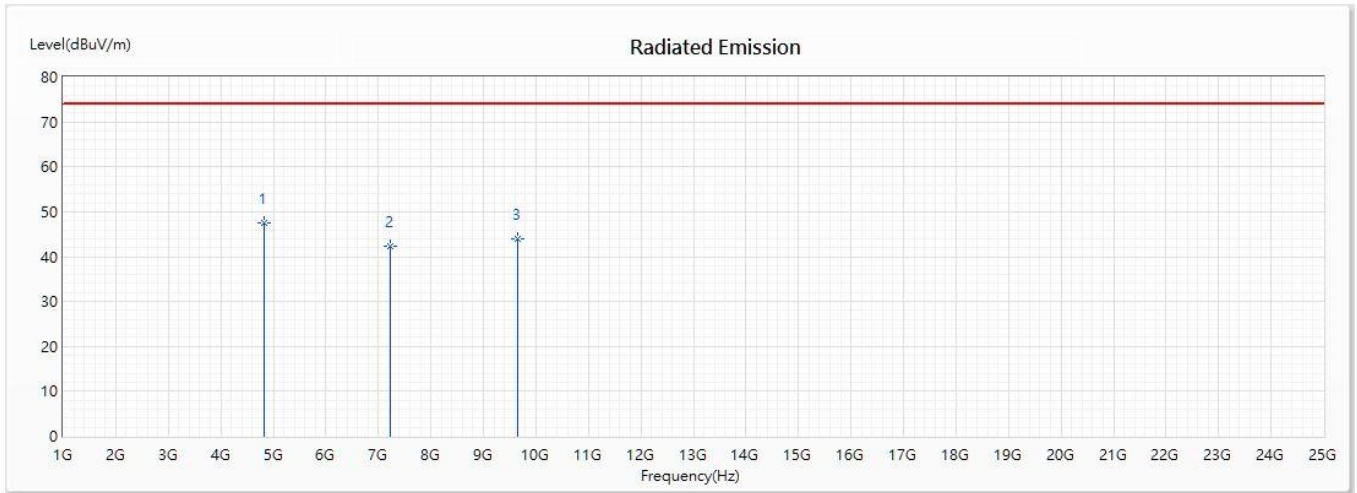
| 2.4GHz band | Duty Cycle (%) | T (ms) | 1/T (Hz) | VBW (Hz) |
|-------------|----------------|--------|----------|----------|
| 802.11b | 100.00 | 8.9196 | 112 | 10 |
| 802.11g | 98.23 | 2.0145 | 496 | 10 |
| 802.11n20 | 96.20 | 1.8341 | 545 | 1000 |
| 802.11n40 | 98.48 | 3.7471 | 267 | 10 |

Note: Duty Cycle Refer to Section 9

4.4. Test Result of Radiated Emission

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)
 Test Date : 2020/06/16

Horizontal



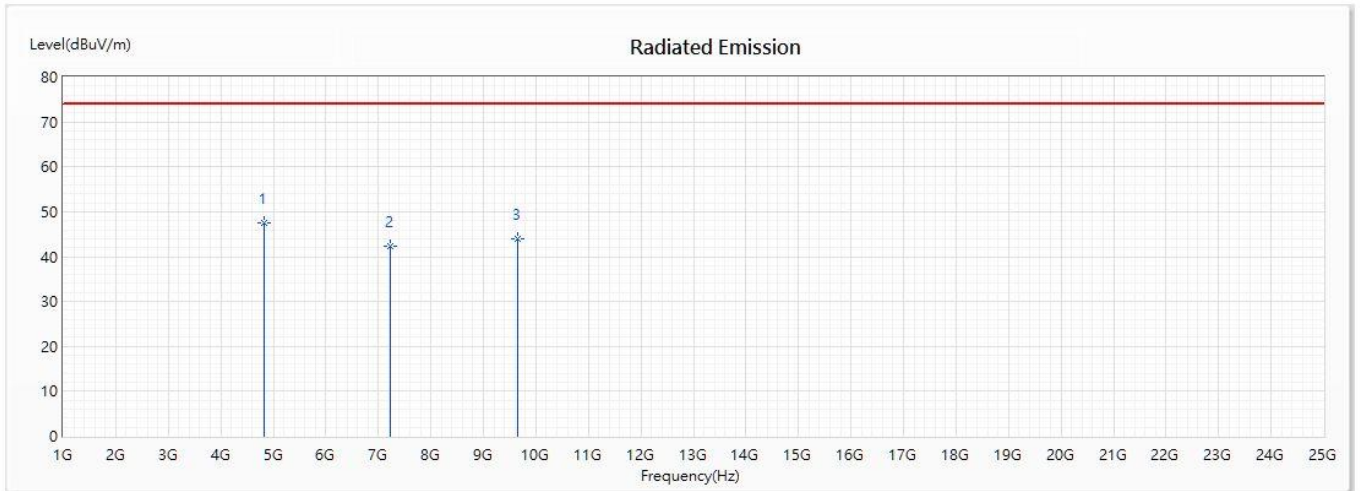
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4824 | 47.48 | 74.00 | -26.52 | 59.47 | -11.99 | PK |
| 2 | 7236 | 42.39 | 74.00 | -31.61 | 55.19 | -12.80 | PK |
| 3 | 9648 | 43.86 | 74.00 | -30.14 | 56.86 | -13.00 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)
 Test Date : 2020/06/16

Vertical



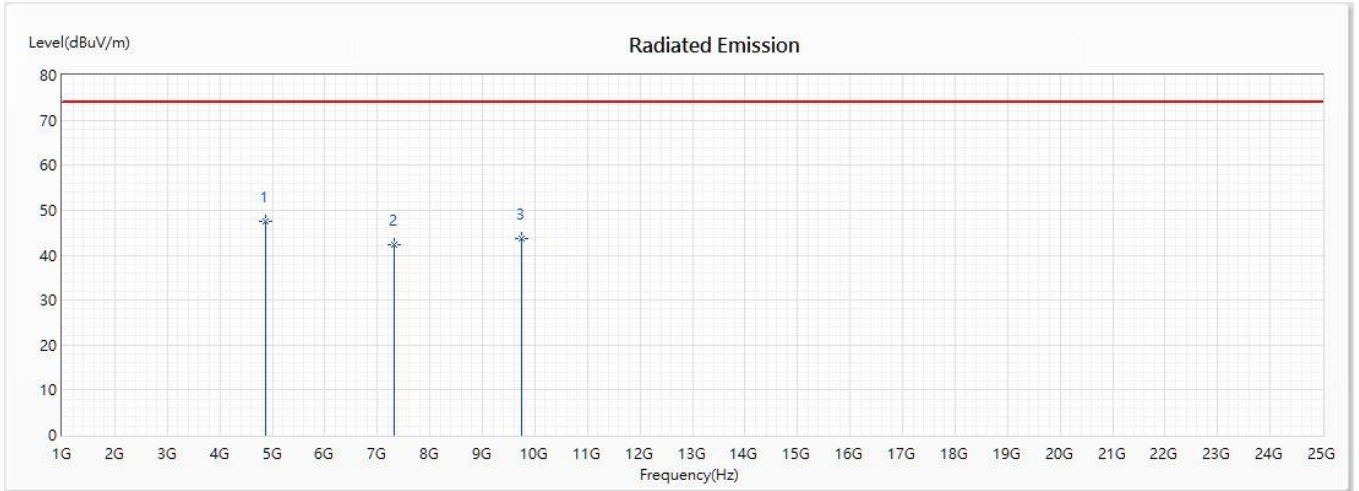
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4824 | 47.45 | 74.00 | -26.55 | 59.44 | -11.99 | PK |
| 2 | 7236 | 42.35 | 74.00 | -31.65 | 55.15 | -12.80 | PK |
| 3 | 9648 | 43.92 | 74.00 | -30.08 | 56.92 | -13.00 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz)
 Test Date : 2020/06/16

Horizontal



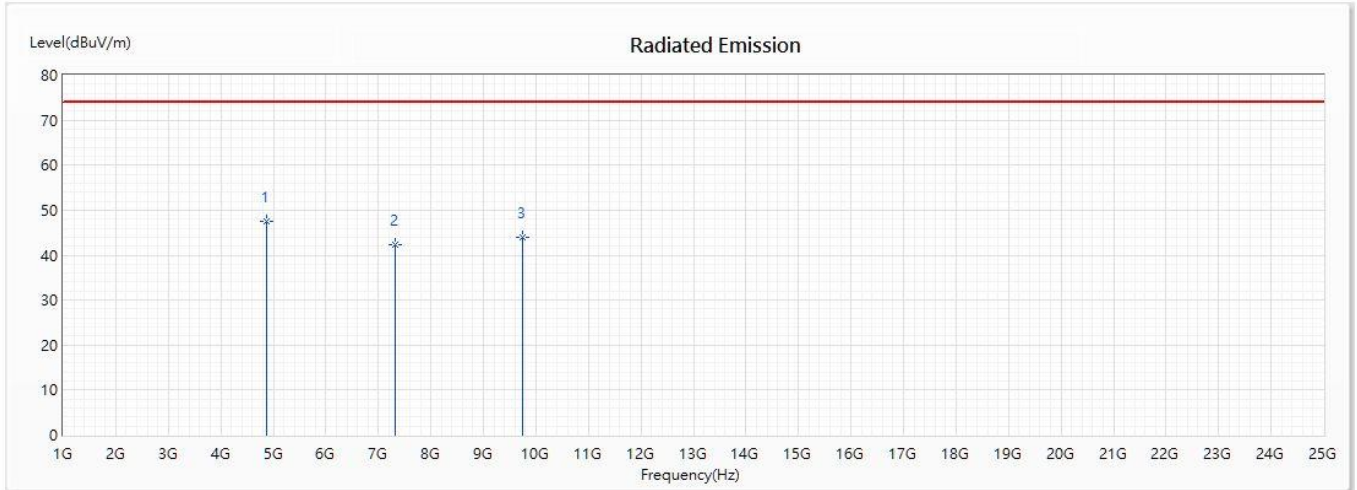
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4874 | 47.52 | 74.00 | -26.48 | 59.01 | -11.49 | PK |
| 2 | 7311 | 42.45 | 74.00 | -31.55 | 55.83 | -13.38 | PK |
| 3 | 9748 | 43.82 | 74.00 | -30.18 | 56.01 | -12.19 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz)
 Test Date : 2020/06/16

Vertical



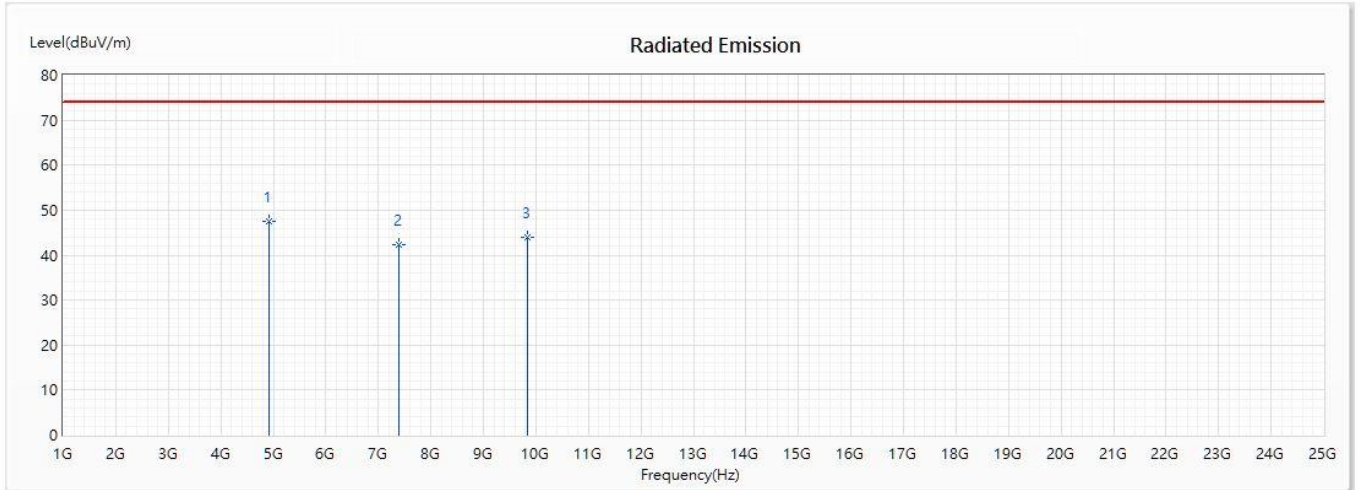
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4874 | 47.56 | 74.00 | -26.44 | 59.05 | -11.49 | PK |
| 2 | 7311 | 42.33 | 74.00 | -31.67 | 55.71 | -13.38 | PK |
| 3 | 9748 | 43.95 | 74.00 | -30.05 | 56.14 | -12.19 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz)
 Test Date : 2020/06/16

Horizontal



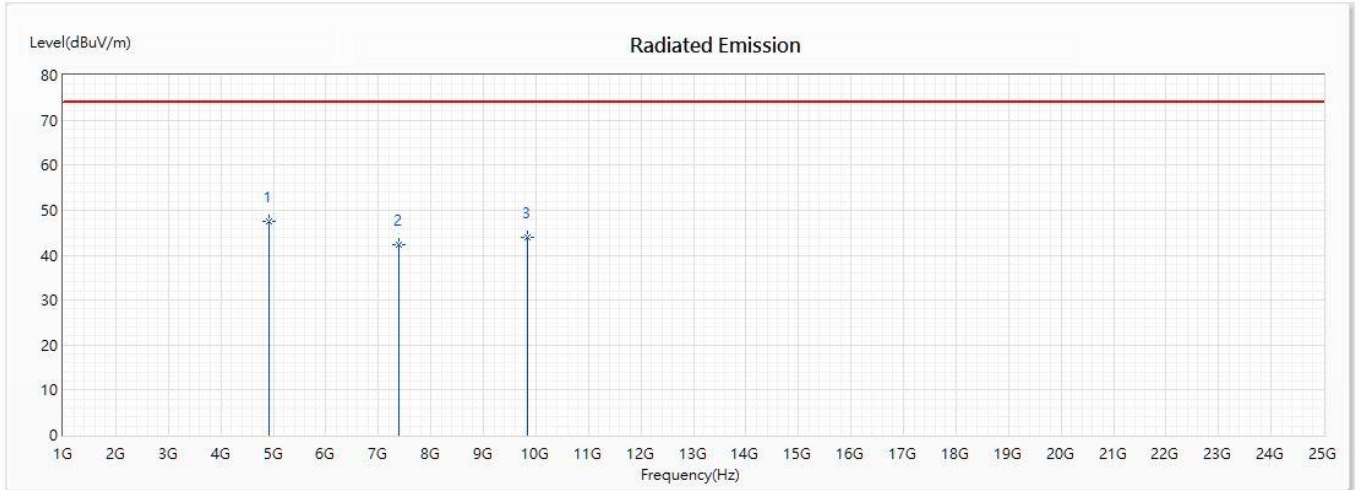
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4924 | 47.61 | 74.00 | -26.39 | 58.65 | -11.04 | PK |
| 2 | 7386 | 42.41 | 74.00 | -31.59 | 56.41 | -14.00 | PK |
| 3 | 9848 | 44.01 | 74.00 | -29.99 | 57.25 | -13.24 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz)
 Test Date : 2020/06/16

Vertical



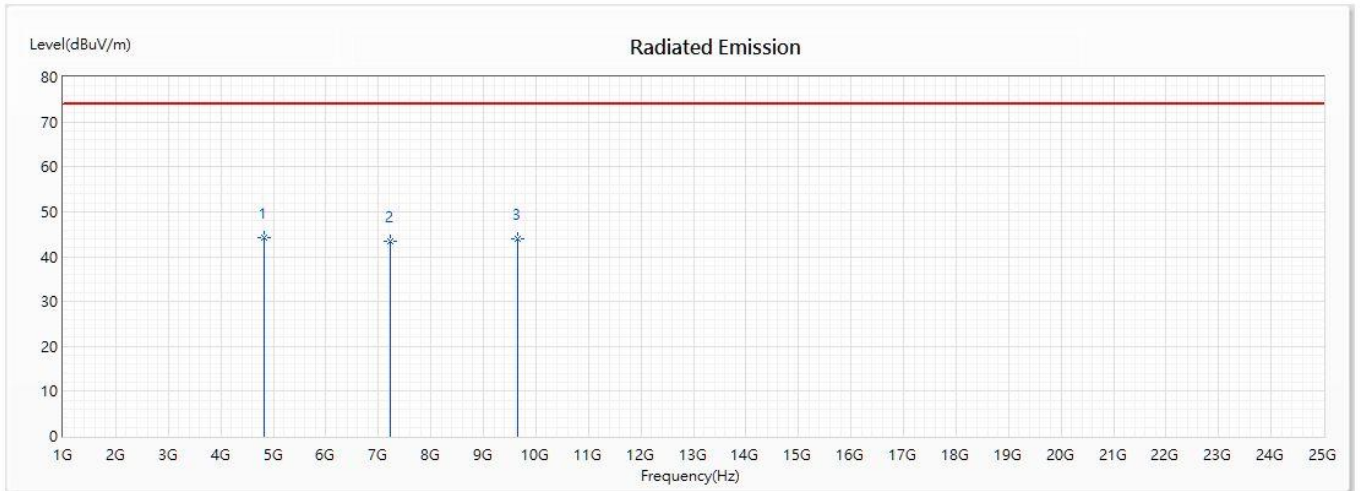
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4924 | 47.47 | 74.00 | -26.53 | 58.51 | -11.04 | PK |
| 2 | 7386 | 42.42 | 74.00 | -31.58 | 56.42 | -14.00 | PK |
| 3 | 9848 | 43.99 | 74.00 | -30.01 | 57.23 | -13.24 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)
 Test Date : 2020/06/16

Horizontal



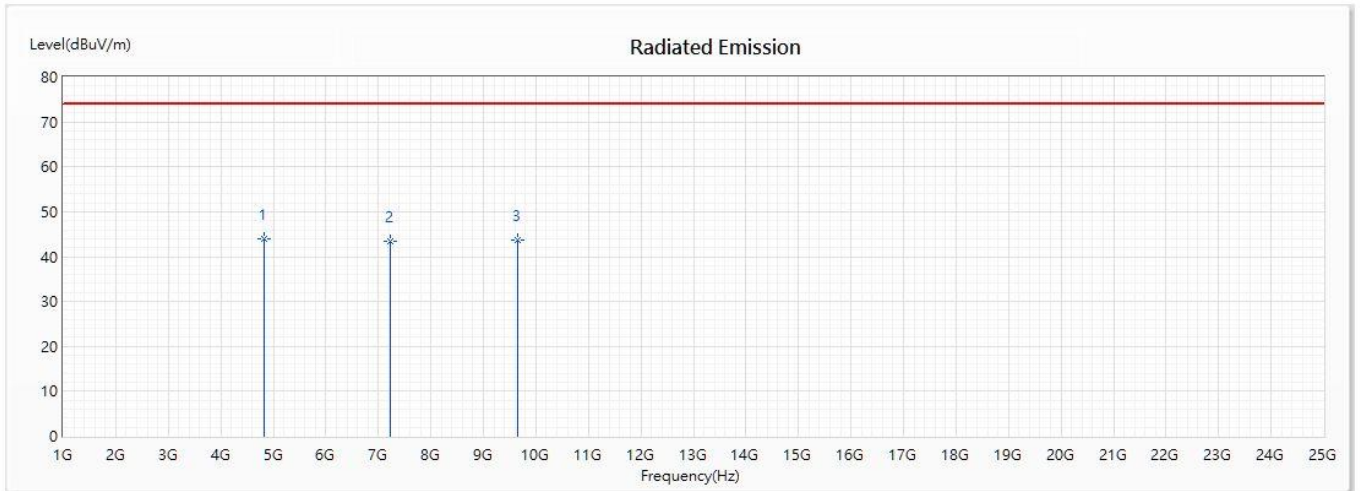
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4824 | 44.21 | 74.00 | -29.79 | 56.20 | -11.99 | PK |
| 2 | 7236 | 43.46 | 74.00 | -30.54 | 56.26 | -12.80 | PK |
| 3 | 9648 | 43.99 | 74.00 | -30.01 | 56.99 | -13.00 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)
 Test Date : 2020/06/16

Vertical



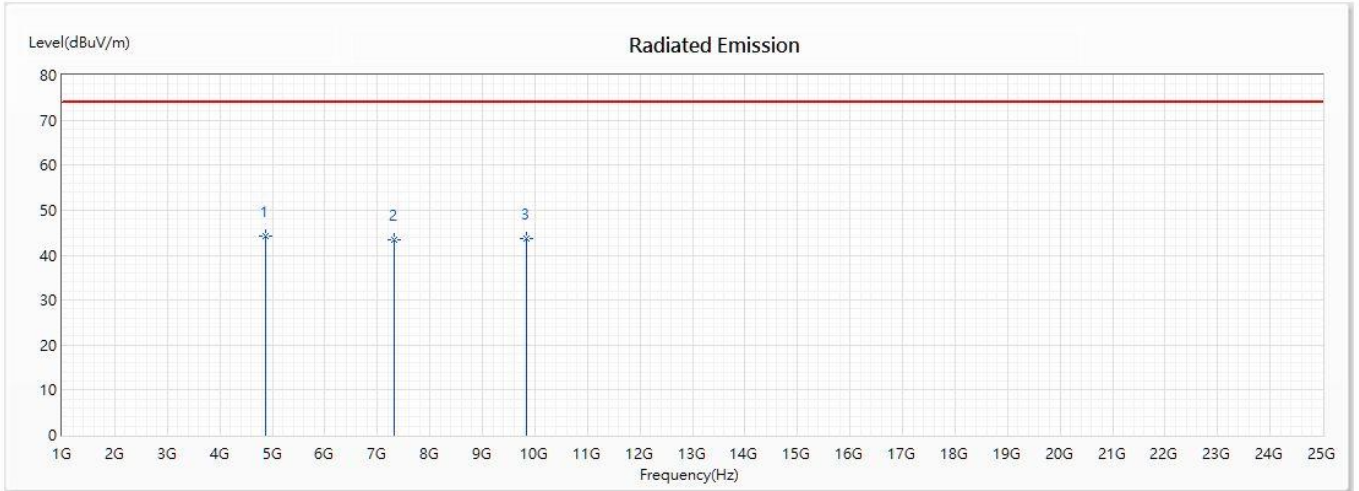
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4824 | 44.08 | 74.00 | -29.92 | 56.07 | -11.99 | PK |
| 2 | 7236 | 43.35 | 74.00 | -30.65 | 56.15 | -12.80 | PK |
| 3 | 9648 | 43.72 | 74.00 | -30.28 | 56.72 | -13.00 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz)
 Test Date : 2020/06/16

Horizontal



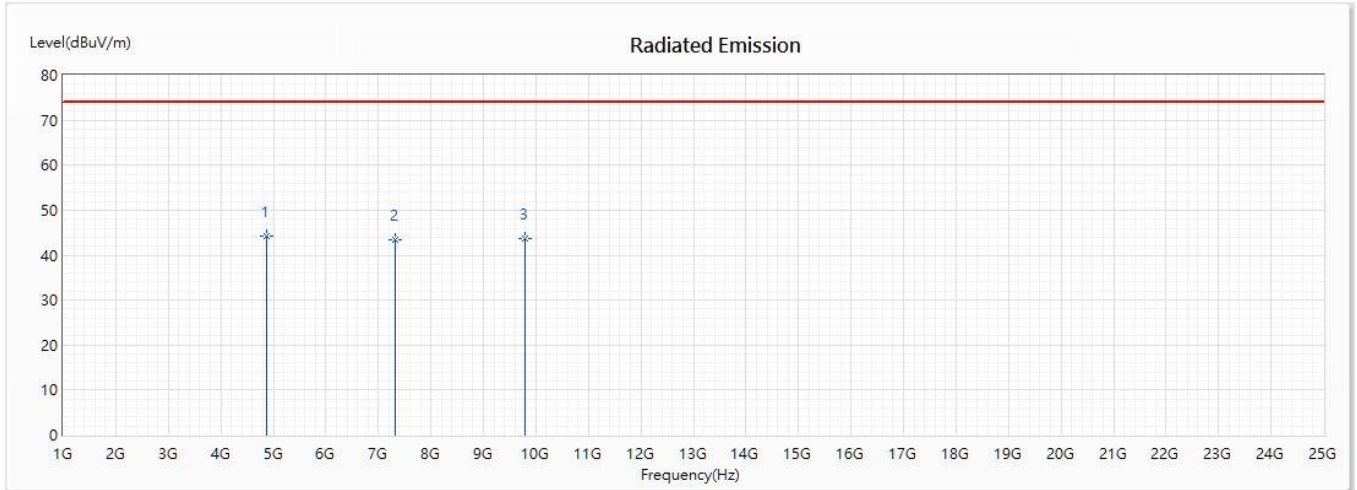
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4874 | 44.25 | 74.00 | -29.75 | 55.74 | -11.49 | PK |
| 2 | 7311 | 43.32 | 74.00 | -30.68 | 56.70 | -13.38 | PK |
| 3 | 9848 | 43.66 | 74.00 | -30.34 | 56.90 | -13.24 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz)
 Test Date : 2020/06/16

Vertical



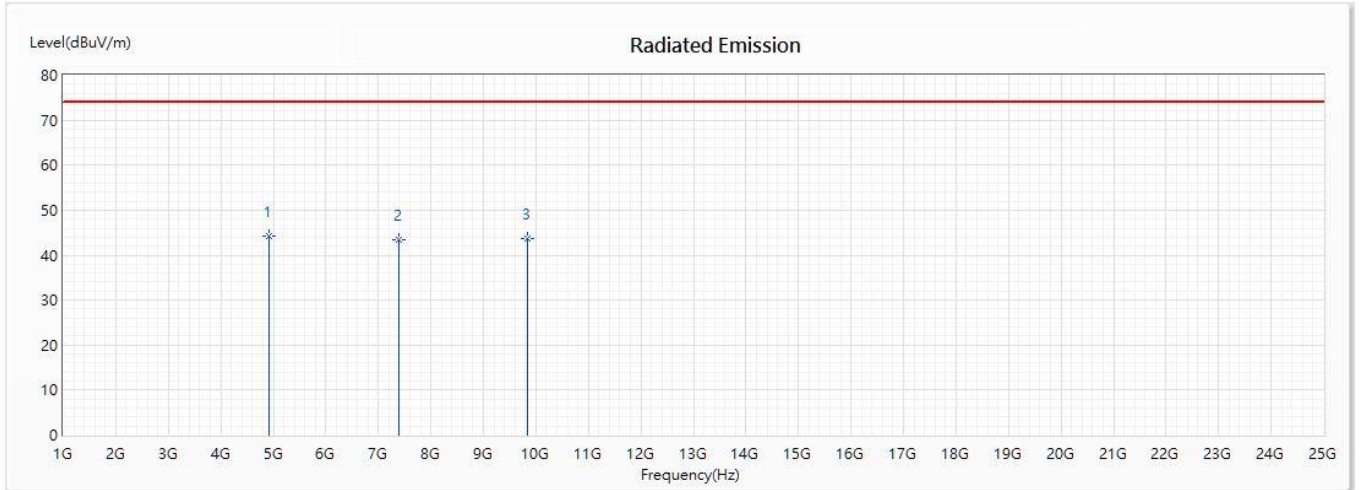
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4874 | 44.33 | 74.00 | -29.67 | 55.82 | -11.49 | PK |
| 2 | 7311 | 43.41 | 74.00 | -30.59 | 56.79 | -13.38 | PK |
| 3 | 9784 | 43.75 | 74.00 | -30.25 | 56.30 | -12.55 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz)
 Test Date : 2020/06/16

Horizontal



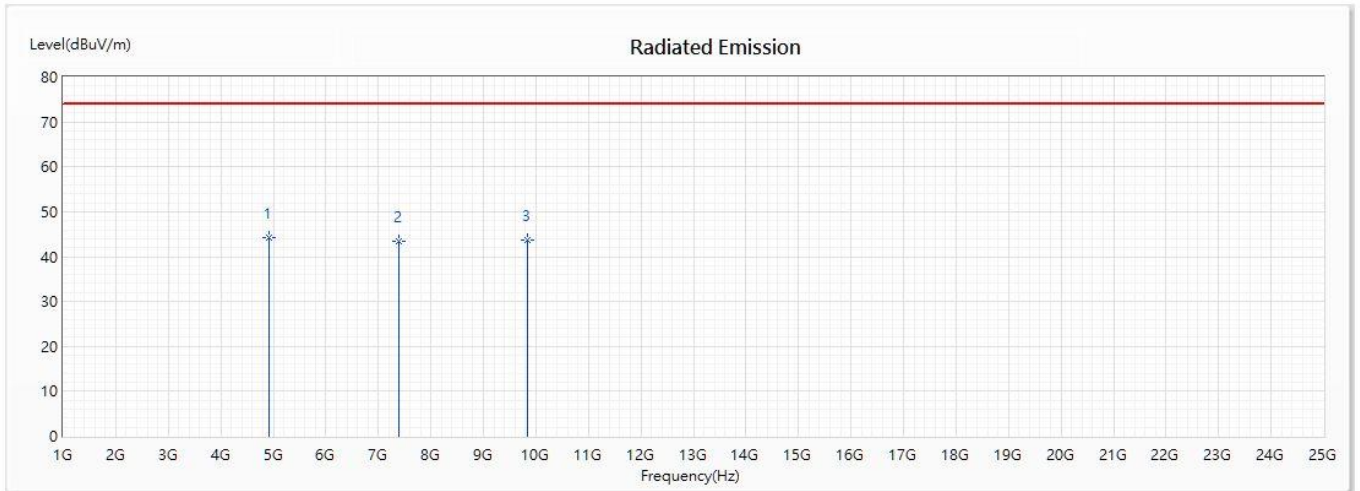
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4924 | 44.29 | 74.00 | -29.71 | 55.33 | -11.04 | PK |
| 2 | 7386 | 43.51 | 74.00 | -30.49 | 57.51 | -14.00 | PK |
| 3 | 9848 | 43.81 | 74.00 | -30.19 | 57.05 | -13.24 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz)
 Test Date : 2020/06/16

Vertical



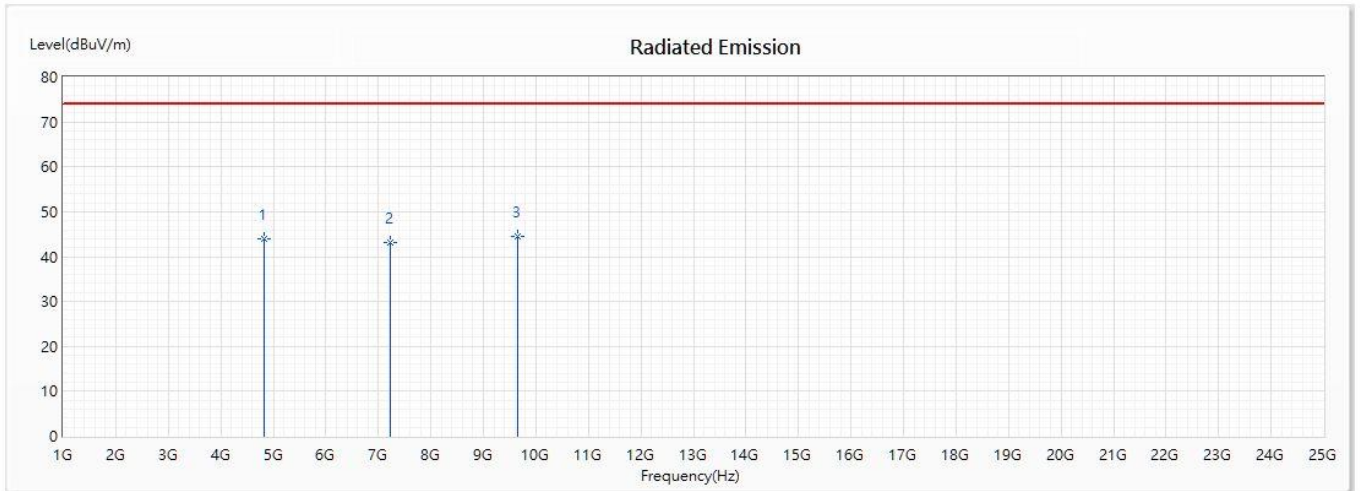
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4924 | 44.18 | 74.00 | -29.82 | 55.22 | -11.04 | PK |
| 2 | 7386 | 43.38 | 74.00 | -30.62 | 57.38 | -14.00 | PK |
| 3 | 9848 | 43.65 | 74.00 | -30.35 | 56.89 | -13.24 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)
 Test Date : 2020/06/16

Horizontal



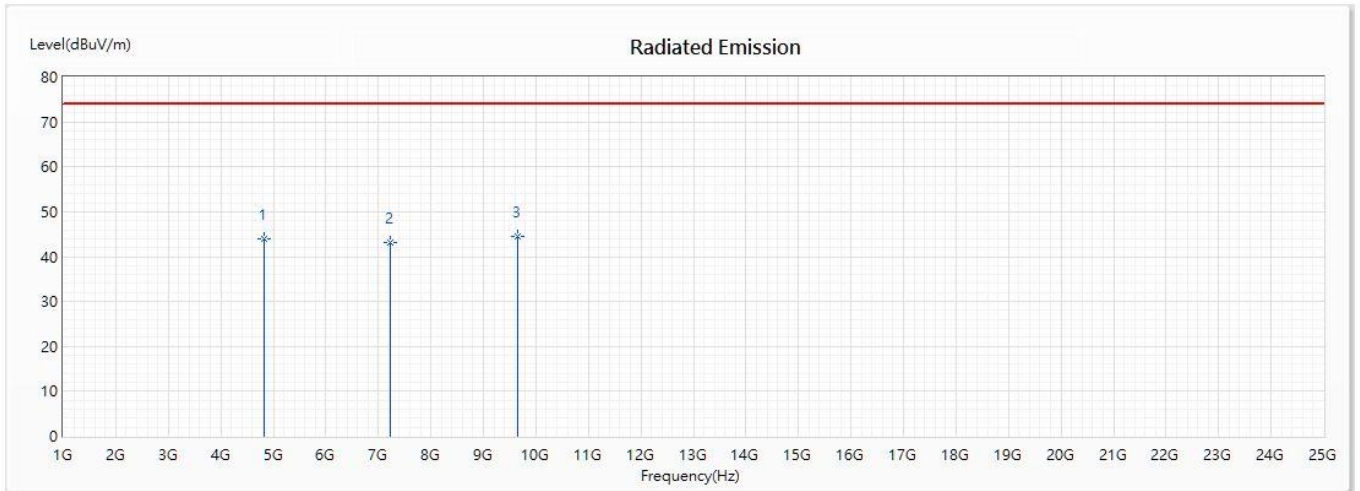
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 4824 | 43.99 | 74.00 | -30.01 | 55.98 | -11.99 | PK |
| 2 | 7236 | 43.25 | 74.00 | -30.75 | 56.05 | -12.80 | PK |
| * 3 | 9648 | 44.43 | 74.00 | -29.57 | 57.43 | -13.00 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)
 Test Date : 2020/06/16

Vertical



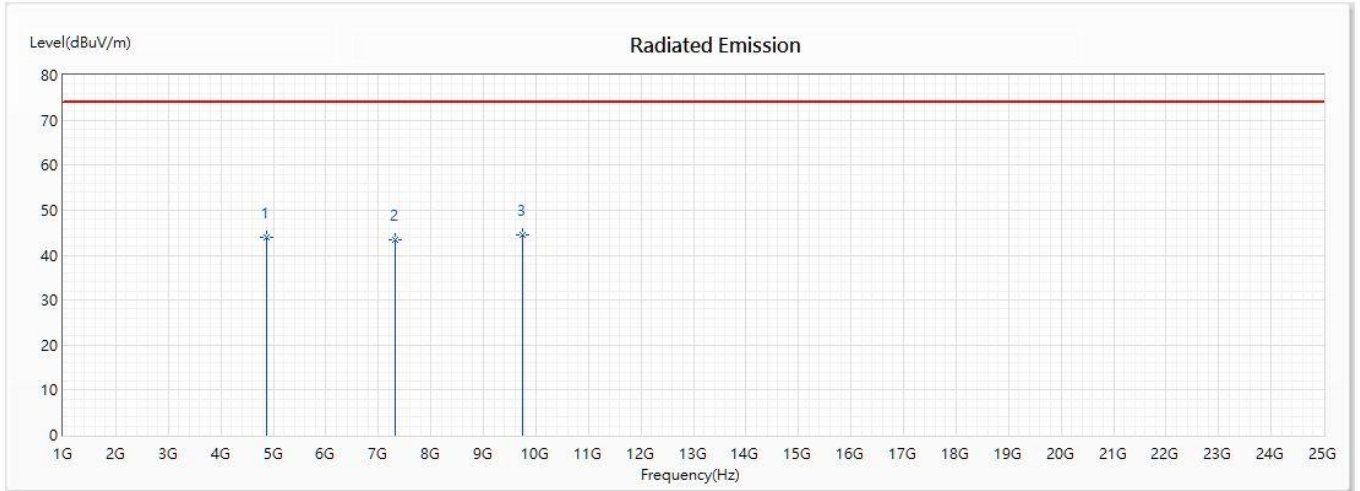
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 4824 | 43.92 | 74.00 | -30.08 | 55.91 | -11.99 | PK |
| 2 | 7236 | 43.18 | 74.00 | -30.82 | 55.98 | -12.80 | PK |
| * 3 | 9648 | 44.41 | 74.00 | -29.59 | 57.41 | -13.00 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2437 MHz)
 Test Date : 2020/06/16

Horizontal



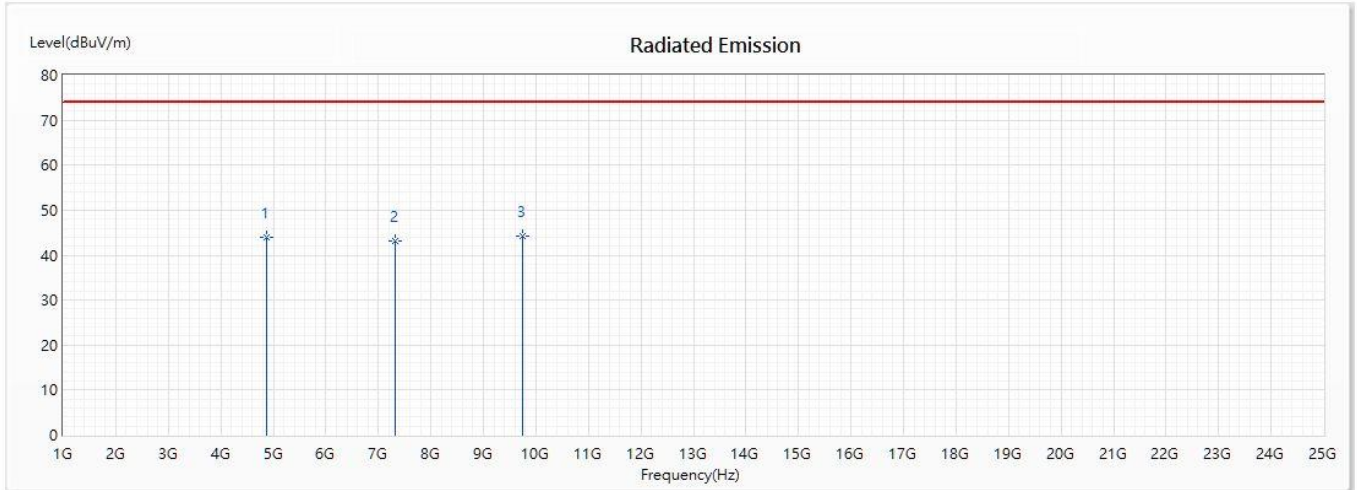
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 4874 | 44.05 | 74.00 | -29.95 | 55.54 | -11.49 | PK |
| 2 | 7311 | 43.33 | 74.00 | -30.67 | 56.71 | -13.38 | PK |
| * 3 | 9748 | 44.49 | 74.00 | -29.51 | 56.68 | -12.19 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2437 MHz)
 Test Date : 2020/06/16

Vertical



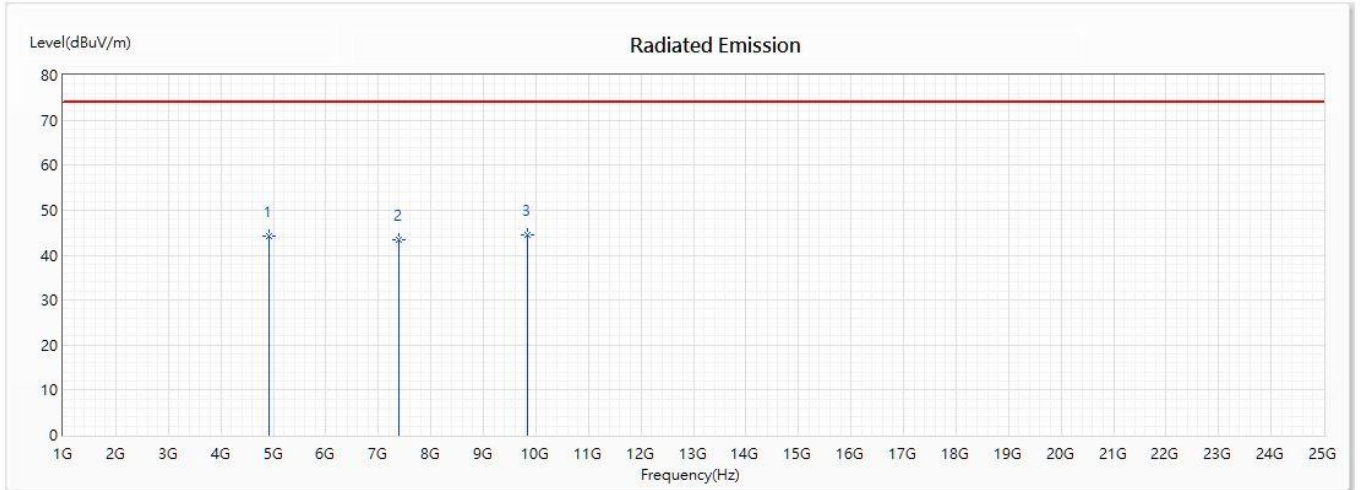
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 4874 | 43.96 | 74.00 | -30.04 | 55.45 | -11.49 | PK |
| 2 | 7311 | 43.21 | 74.00 | -30.79 | 56.59 | -13.38 | PK |
| * 3 | 9748 | 44.35 | 74.00 | -29.65 | 56.54 | -12.19 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462 MHz)
 Test Date : 2020/06/16

Horizontal



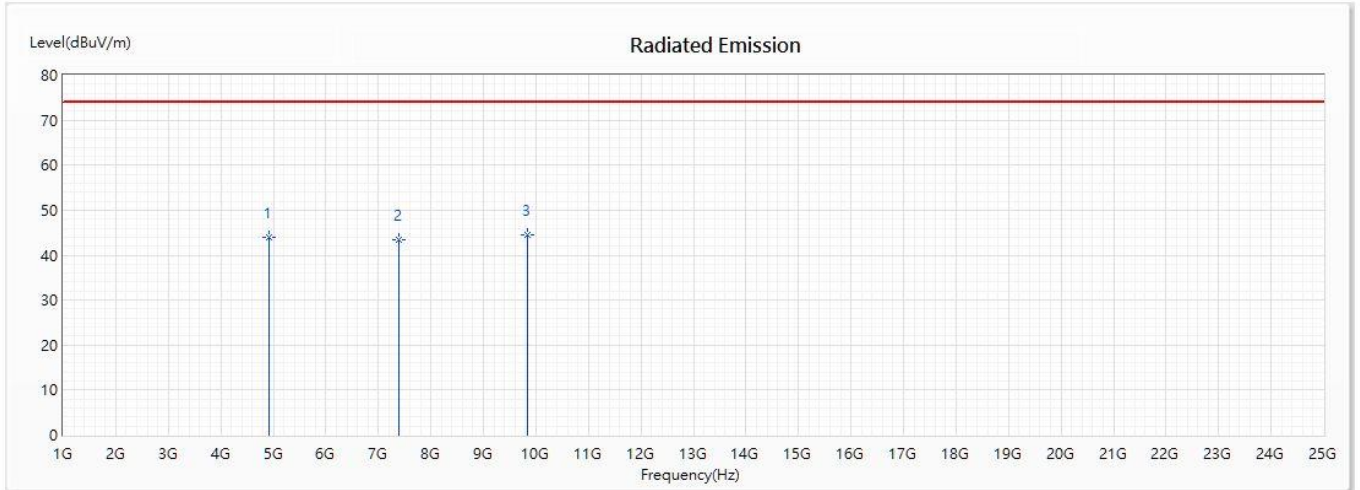
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 4924 | 44.11 | 74.00 | -29.89 | 55.15 | -11.04 | PK |
| 2 | 7386 | 43.37 | 74.00 | -30.63 | 57.37 | -14.00 | PK |
| * 3 | 9848 | 44.55 | 74.00 | -29.45 | 57.79 | -13.24 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462 MHz)
 Test Date : 2020/06/16

Vertical



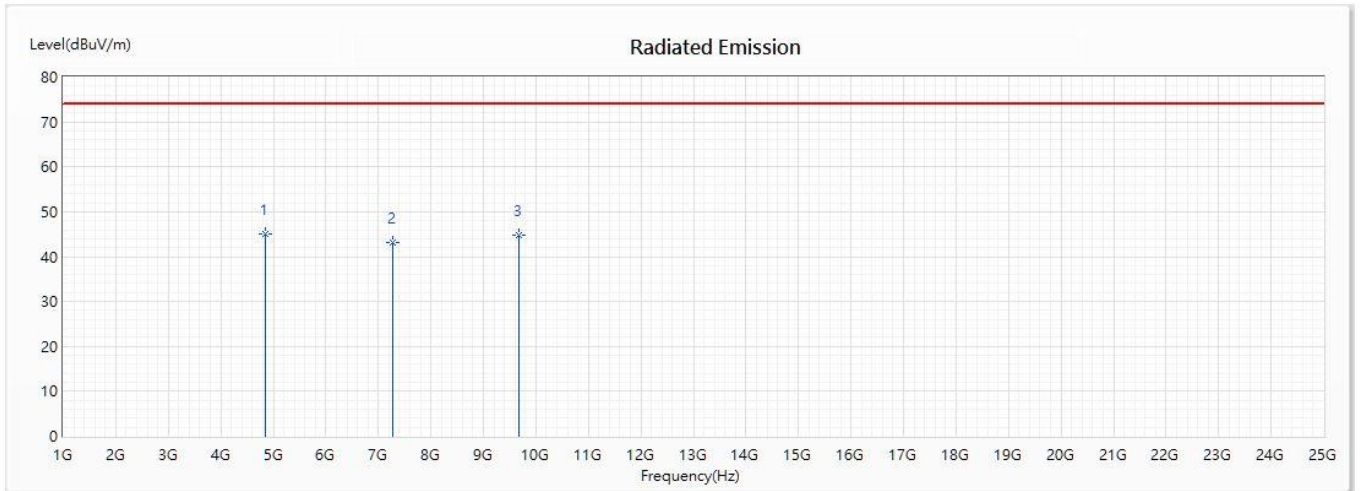
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 4924 | 43.98 | 74.00 | -30.02 | 55.02 | -11.04 | PK |
| 2 | 7386 | 43.31 | 74.00 | -30.69 | 57.31 | -14.00 | PK |
| * 3 | 9848 | 44.39 | 74.00 | -29.61 | 57.63 | -13.24 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2422MHz)
 Test Date : 2020/06/16

Horizontal



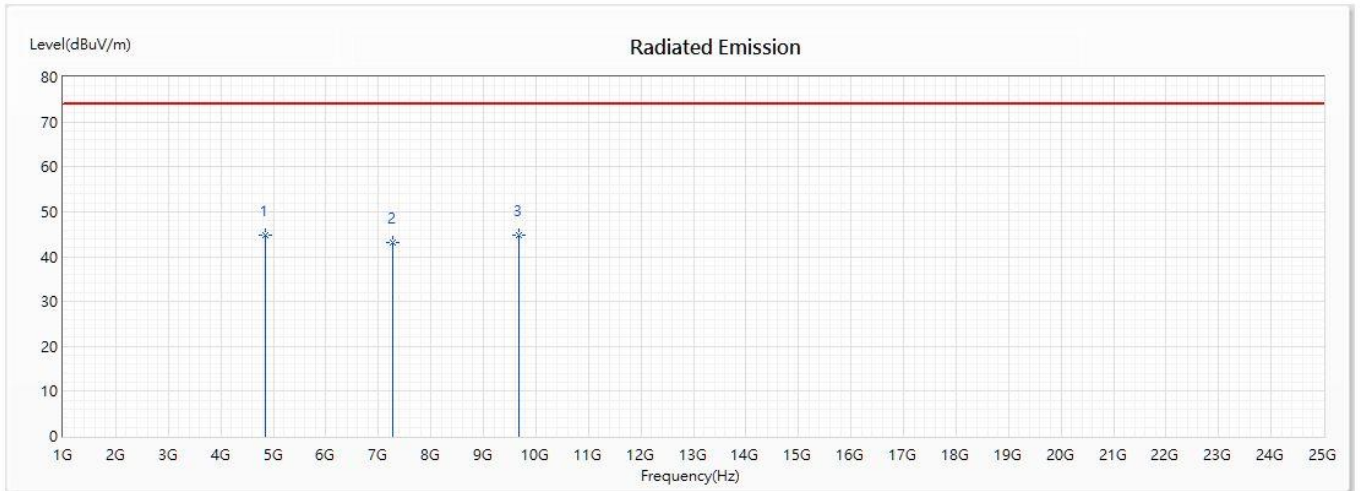
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4844 | 44.95 | 74.00 | -29.05 | 56.70 | -11.75 | PK |
| 2 | 7266 | 43.09 | 74.00 | -30.91 | 56.02 | -12.93 | PK |
| 3 | 9688 | 44.86 | 74.00 | -29.14 | 57.54 | -12.68 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2422MHz)
 Test Date : 2020/06/16

Vertical



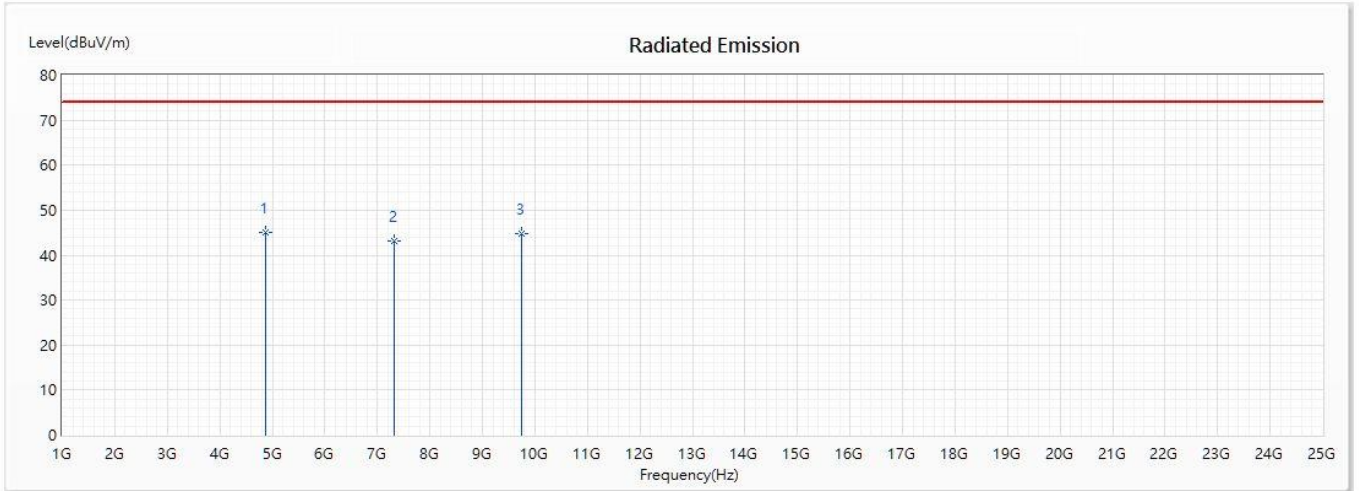
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4844 | 44.89 | 74.00 | -29.11 | 56.64 | -11.75 | PK |
| 2 | 7266 | 43.05 | 74.00 | -30.95 | 55.98 | -12.93 | PK |
| 3 | 9688 | 44.81 | 74.00 | -29.19 | 57.49 | -12.68 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2437 MHz)
 Test Date : 2020/06/16

Horizontal



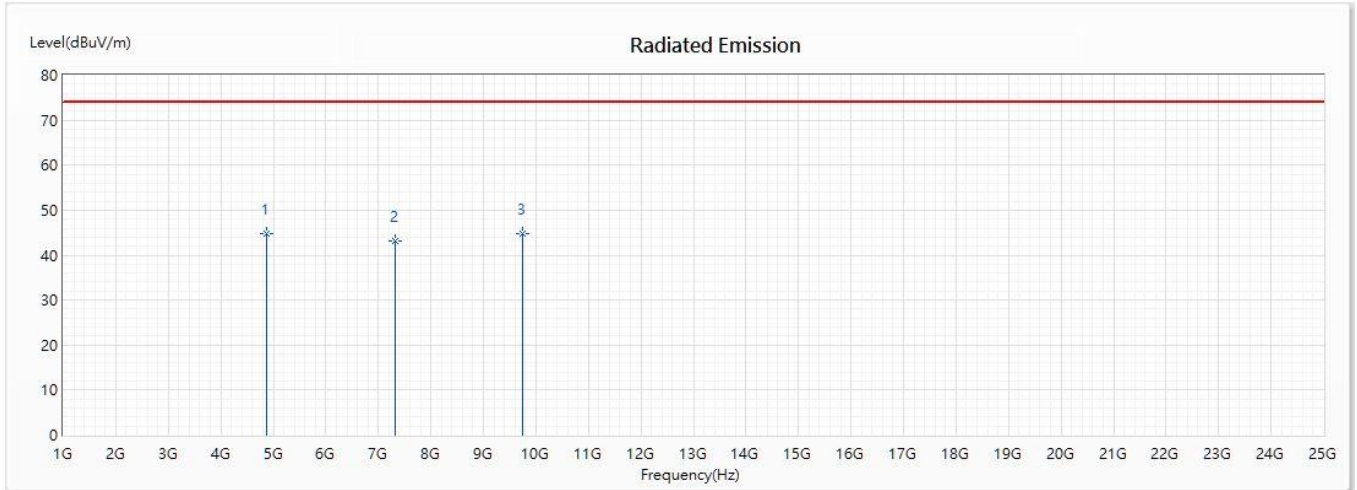
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4874 | 44.92 | 74.00 | -29.08 | 56.41 | -11.49 | PK |
| 2 | 7311 | 43.05 | 74.00 | -30.95 | 56.43 | -13.38 | PK |
| 3 | 9748 | 44.82 | 74.00 | -29.18 | 57.01 | -12.19 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2437 MHz)
 Test Date : 2020/06/16

Vertical



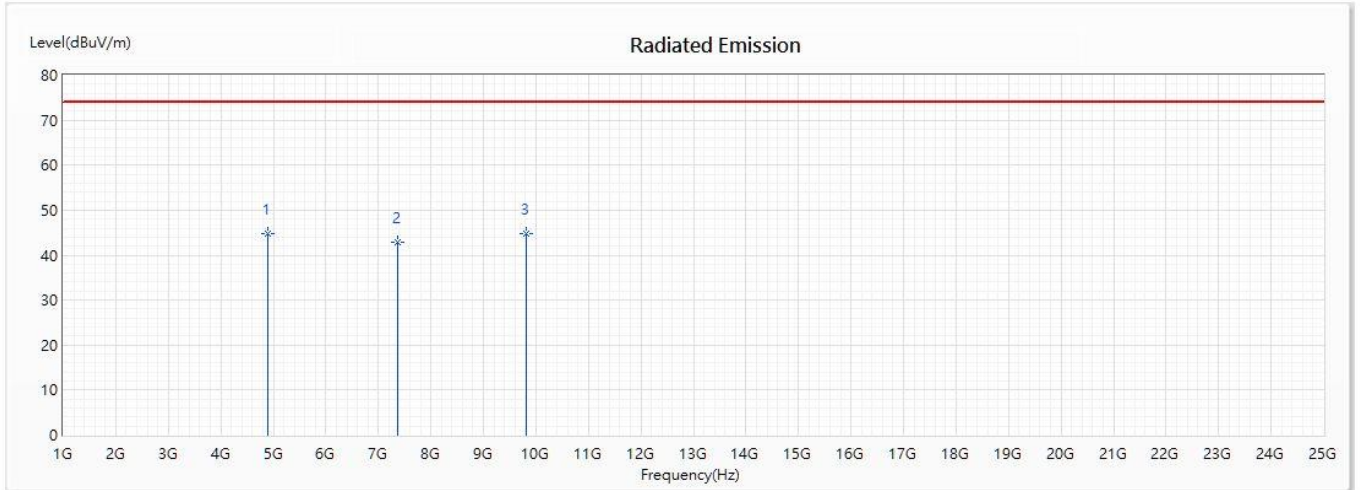
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4874 | 44.85 | 74.00 | -29.15 | 56.34 | -11.49 | PK |
| 2 | 7311 | 43.02 | 74.00 | -30.98 | 56.40 | -13.38 | PK |
| 3 | 9748 | 44.77 | 74.00 | -29.23 | 56.96 | -12.19 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2452 MHz)
 Test Date : 2020/06/16

Horizontal



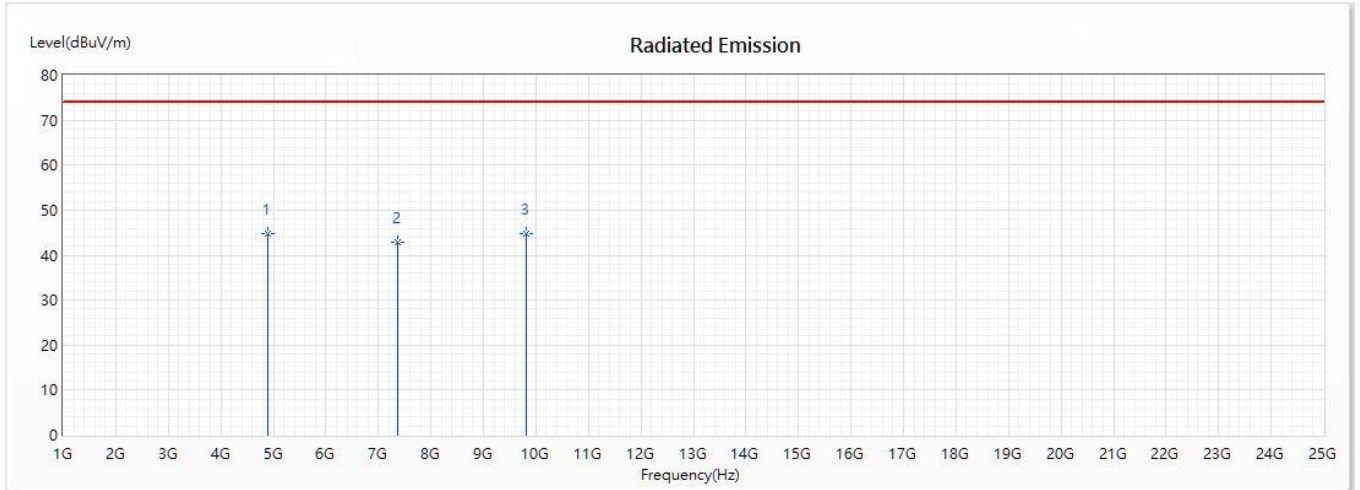
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4904 | 44.89 | 74.00 | -29.11 | 56.13 | -11.24 | PK |
| 2 | 7356 | 42.99 | 74.00 | -31.01 | 56.73 | -13.74 | PK |
| 3 | 9808 | 44.83 | 74.00 | -29.17 | 57.63 | -12.80 | PK |

Note:

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

Product : Mobile Computer
 Test Item : Harmonic Radiated Emission Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2452 MHz)
 Test Date : 2020/06/16

Vertical



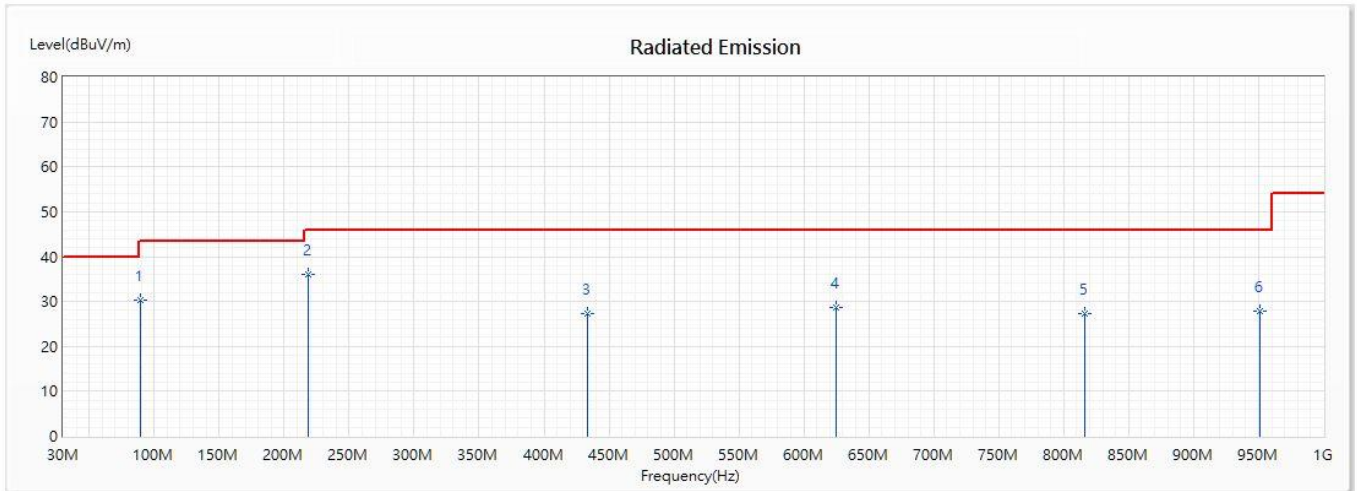
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 4904 | 44.82 | 74.00 | -29.18 | 56.06 | -11.24 | PK |
| 2 | 7356 | 42.92 | 74.00 | -31.08 | 56.66 | -13.74 | PK |
| 3 | 9808 | 44.75 | 74.00 | -29.25 | 57.55 | -12.80 | PK |

Note:

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

Product : Mobile Computer
 Test Item : General Radiated Emission Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)(2437 MHz)
 Test Date : 2020/06/17

Horizontal



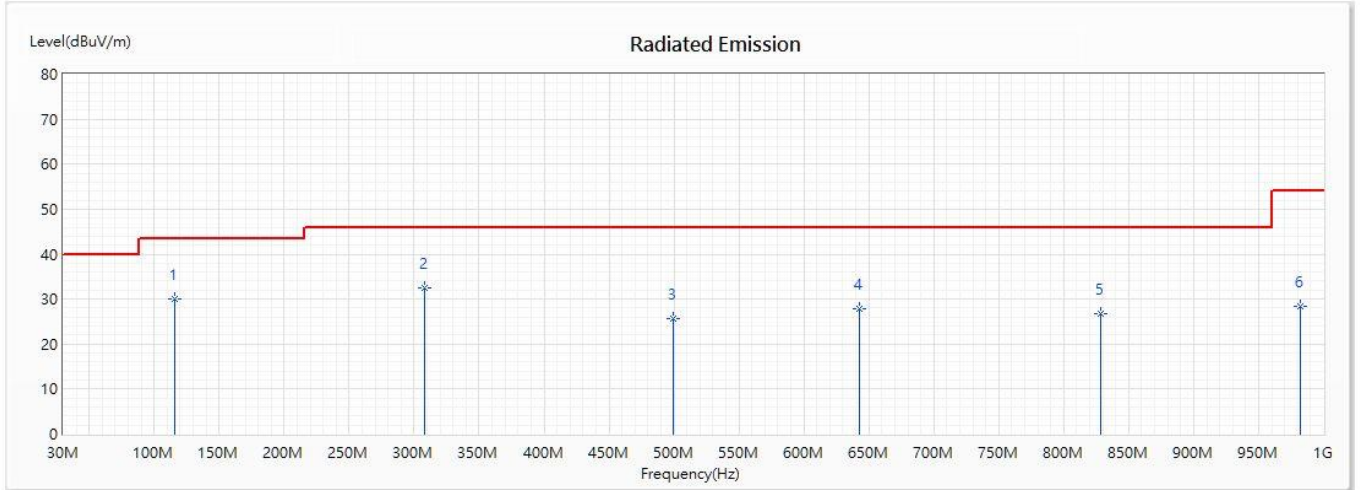
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 89.043 | 30.24 | 43.50 | -13.26 | 39.69 | -9.45 | QP |
| * 2 | 218.377 | 36.00 | 46.00 | -10.00 | 47.66 | -11.66 | QP |
| 3 | 433.464 | 27.34 | 46.00 | -18.66 | 31.40 | -4.06 | QP |
| 4 | 624.652 | 28.80 | 46.00 | -17.20 | 30.74 | -1.94 | QP |
| 5 | 815.841 | 27.28 | 46.00 | -18.72 | 30.10 | -2.82 | QP |
| 6 | 950.797 | 27.85 | 46.00 | -18.15 | 30.03 | -2.18 | QP |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Mobile Computer
 Test Item : General Radiated Emission Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)(2437 MHz)
 Test Date : 2020/06/17

Vertical



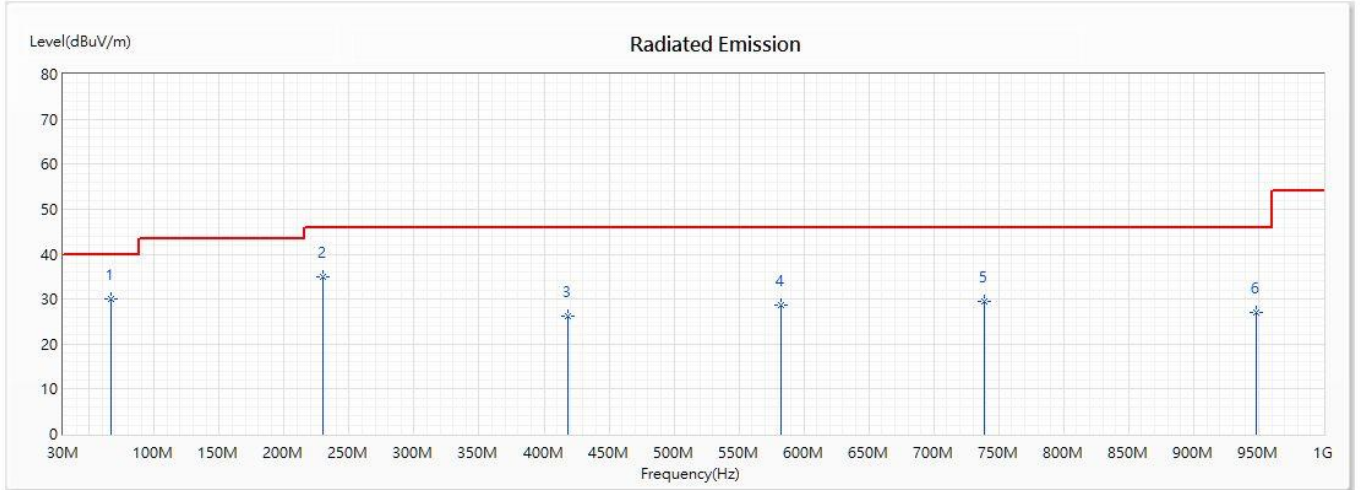
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 115.754 | 29.90 | 43.50 | -13.60 | 39.70 | -9.80 | QP |
| * 2 | 308.348 | 32.56 | 46.00 | -13.44 | 40.56 | -8.00 | QP |
| 3 | 499.536 | 25.75 | 46.00 | -20.25 | 30.24 | -4.49 | QP |
| 4 | 642.928 | 27.84 | 46.00 | -18.16 | 30.61 | -2.77 | QP |
| 5 | 828.493 | 26.80 | 46.00 | -19.20 | 29.37 | -2.57 | QP |
| 6 | 981.725 | 28.44 | 54.00 | -25.56 | 30.04 | -1.60 | QP |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Mobile Computer
 Test Item : General Radiated Emission Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)(2437 MHz)
 Test Date : 2020/06/17

Horizontal



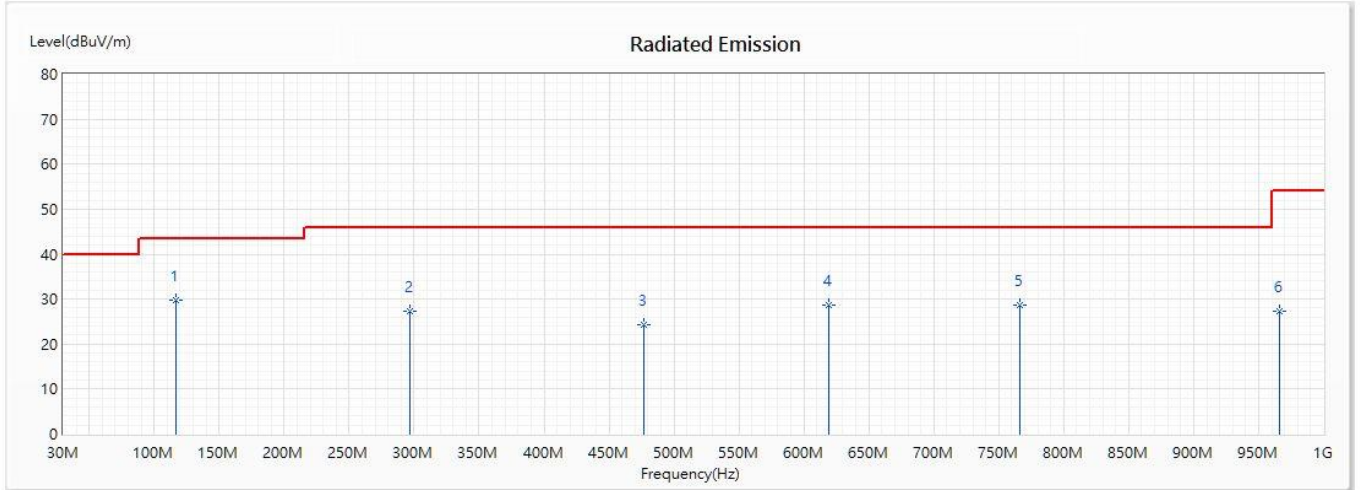
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 66.551 | 29.98 | 40.00 | -10.02 | 43.72 | -13.74 | QP |
| 2 | 229.623 | 35.07 | 46.00 | -10.93 | 46.27 | -11.20 | QP |
| 3 | 418 | 26.25 | 46.00 | -19.75 | 31.83 | -5.58 | QP |
| 4 | 582.478 | 28.63 | 46.00 | -17.37 | 29.57 | -0.94 | QP |
| 5 | 738.522 | 29.39 | 46.00 | -16.61 | 28.96 | 0.43 | QP |
| 6 | 947.986 | 27.13 | 46.00 | -18.87 | 29.31 | -2.18 | QP |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Mobile Computer
 Test Item : General Radiated Emission Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)(2437 MHz)
 Test Date : 2020/06/17

Vertical



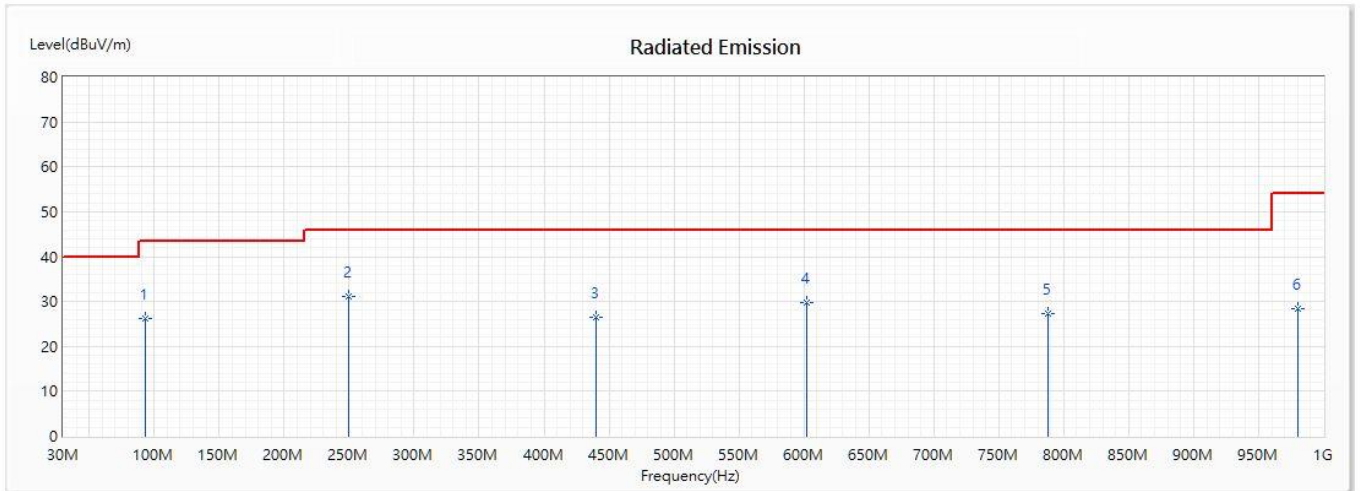
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 117.159 | 29.64 | 43.50 | -13.86 | 39.47 | -9.83 | QP |
| 2 | 297.101 | 27.30 | 46.00 | -18.70 | 36.23 | -8.93 | QP |
| 3 | 477.043 | 24.42 | 46.00 | -21.58 | 29.90 | -5.48 | QP |
| 4 | 619.029 | 28.75 | 46.00 | -17.25 | 30.40 | -1.65 | QP |
| 5 | 766.638 | 28.75 | 46.00 | -17.25 | 30.60 | -1.85 | QP |
| 6 | 966.261 | 27.38 | 54.00 | -26.62 | 29.36 | -1.98 | QP |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Mobile Computer
 Test Item : General Radiated Emission Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)(2437 MHz)
 Test Date : 2020/06/17

Horizontal



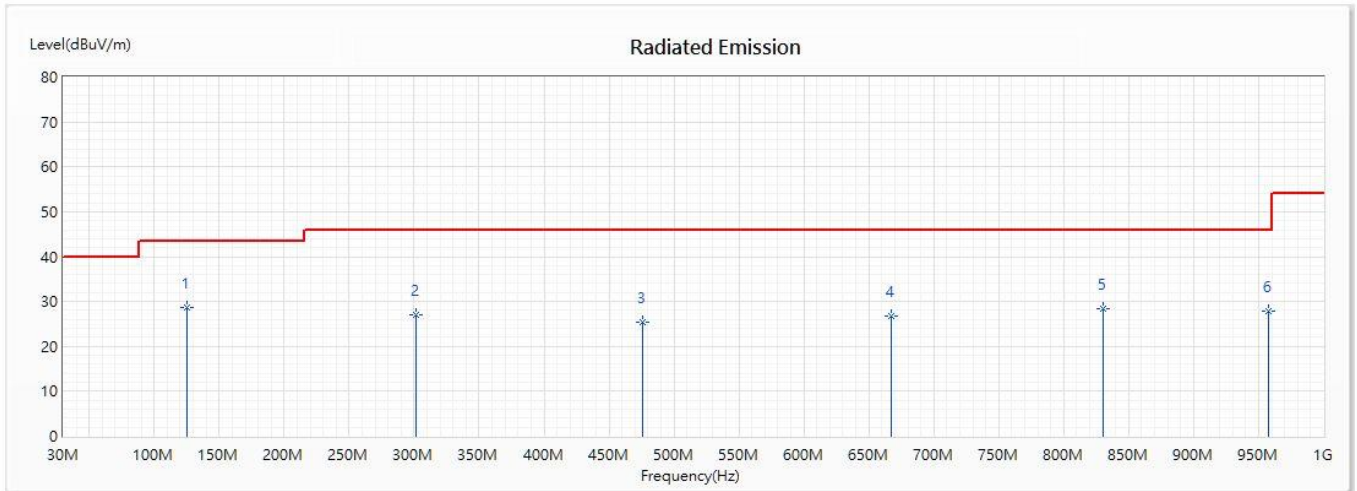
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 93.261 | 26.17 | 43.50 | -17.33 | 35.45 | -9.28 | QP |
| * 2 | 249.304 | 31.21 | 46.00 | -14.79 | 42.65 | -11.44 | QP |
| 3 | 440.493 | 26.41 | 46.00 | -19.59 | 29.86 | -3.45 | QP |
| 4 | 602.159 | 29.75 | 46.00 | -16.25 | 30.07 | -0.32 | QP |
| 5 | 787.725 | 27.41 | 46.00 | -18.59 | 29.88 | -2.47 | QP |
| 6 | 980.319 | 28.26 | 54.00 | -25.74 | 29.84 | -1.58 | QP |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Mobile Computer
 Test Item : General Radiated Emission Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)(2437 MHz)
 Test Date : 2020/06/17

Vertical



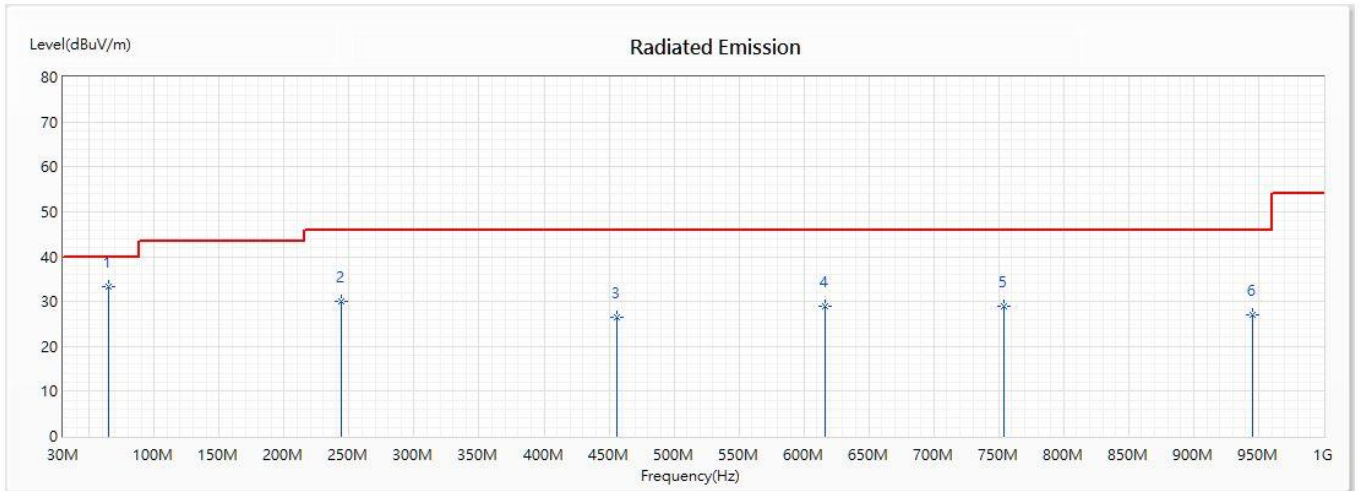
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 125.594 | 28.73 | 43.50 | -14.77 | 38.33 | -9.60 | QP |
| 2 | 301.319 | 27.14 | 46.00 | -18.86 | 35.30 | -8.16 | QP |
| 3 | 475.638 | 25.31 | 46.00 | -20.69 | 30.68 | -5.37 | QP |
| 4 | 666.826 | 26.72 | 46.00 | -19.28 | 30.33 | -3.61 | QP |
| 5 | 829.899 | 28.31 | 46.00 | -17.69 | 30.83 | -2.52 | QP |
| 6 | 957.826 | 27.73 | 46.00 | -18.27 | 29.88 | -2.15 | QP |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Mobile Computer
 Test Item : General Radiated Emission Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)(2437 MHz)
 Test Date : 2020/06/17

Horizontal



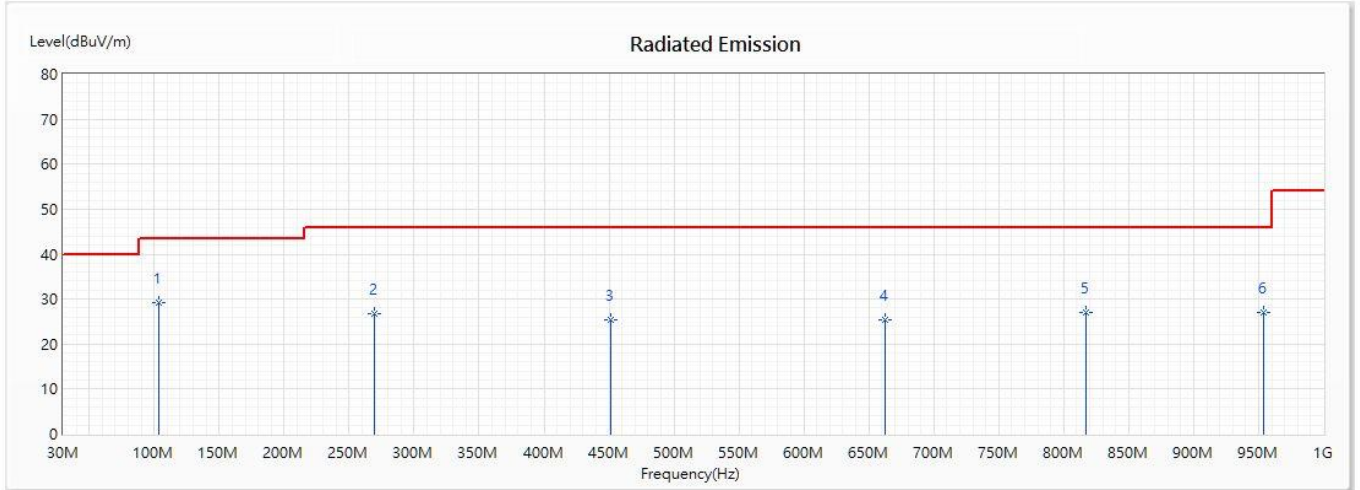
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 65.145 | 33.35 | 40.00 | -6.65 | 47.02 | -13.67 | QP |
| 2 | 243.681 | 29.94 | 46.00 | -16.06 | 41.80 | -11.86 | QP |
| 3 | 455.957 | 26.35 | 46.00 | -19.65 | 30.35 | -4.00 | QP |
| 4 | 616.217 | 28.95 | 46.00 | -17.05 | 30.38 | -1.43 | QP |
| 5 | 753.986 | 29.01 | 46.00 | -16.99 | 29.93 | -0.92 | QP |
| 6 | 945.174 | 27.10 | 46.00 | -18.90 | 29.28 | -2.18 | QP |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Mobile Computer
 Test Item : General Radiated Emission Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)(2437 MHz)
 Test Date : 2020/06/17

Vertical



| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| * 1 | 103.101 | 29.08 | 43.50 | -14.42 | 37.90 | -8.82 | QP |
| 2 | 268.986 | 26.68 | 46.00 | -19.32 | 39.07 | -12.39 | QP |
| 3 | 451.739 | 25.46 | 46.00 | -20.54 | 29.31 | -3.85 | QP |
| 4 | 662.609 | 25.44 | 46.00 | -20.56 | 29.23 | -3.79 | QP |
| 5 | 817.246 | 27.13 | 46.00 | -18.87 | 29.96 | -2.83 | QP |
| 6 | 953.609 | 27.06 | 46.00 | -18.94 | 29.24 | -2.18 | QP |

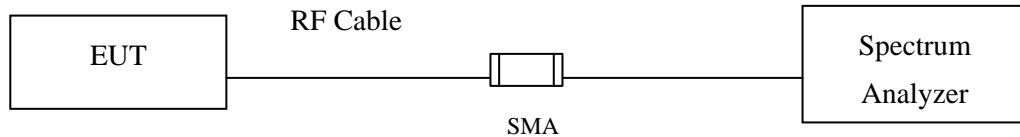
Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

5. RF antenna conducted test

5.1. Test Setup

RF antenna Conducted Measurement:



5.2. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.3. Test Procedure

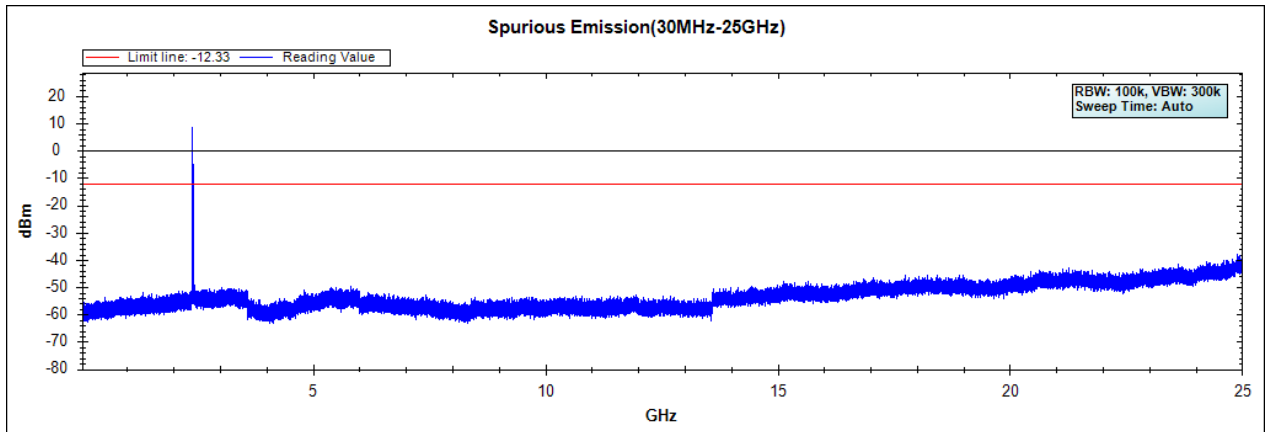
The EUT was tested according to C63.10:2013 Section 11.11 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

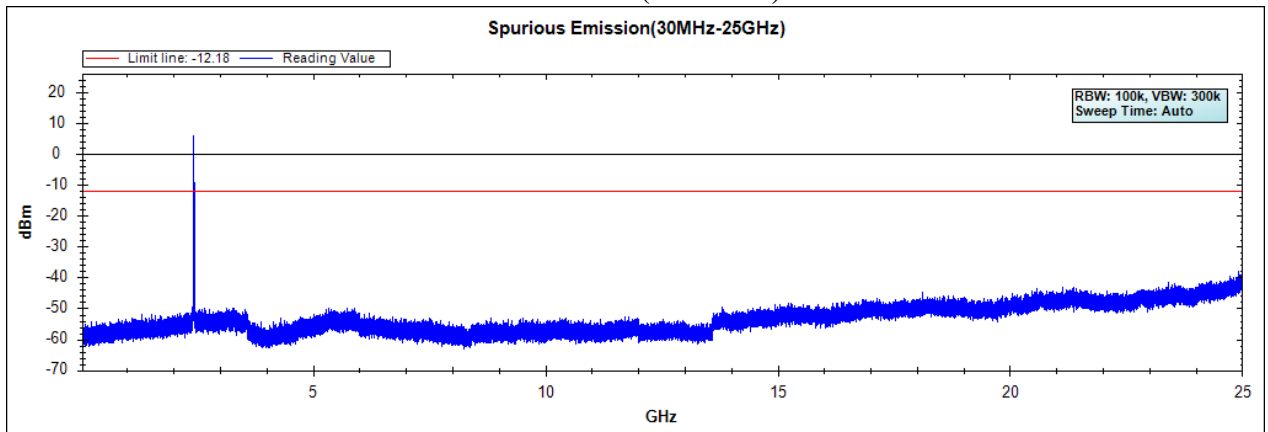
5.4. Test Result of RF antenna conducted test

Product : Mobile Computer
 Test Item : RF antenna conducted test
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)
 Test Date : 2020/07/01

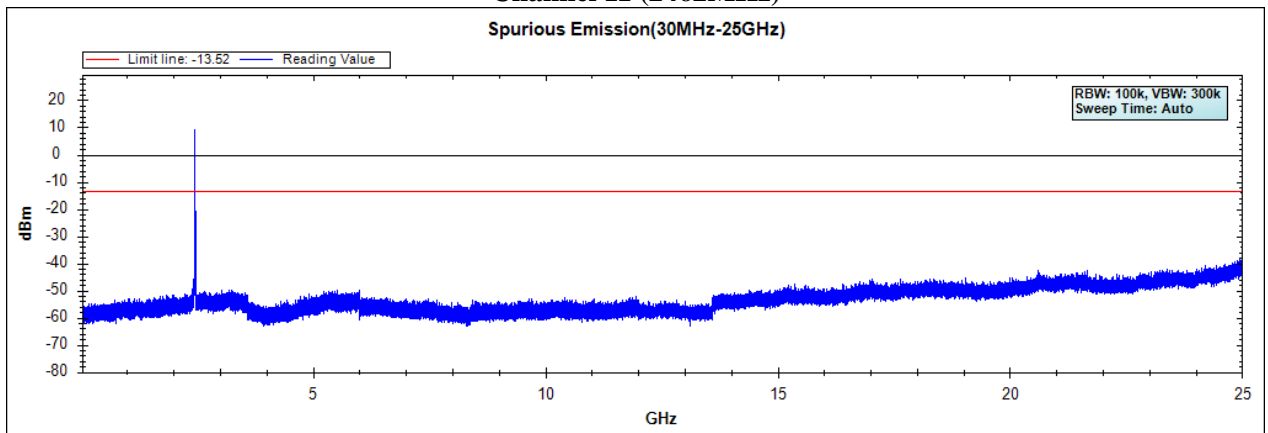
Channel 01 (2412MHz)



Channel 06 (2437MHz)



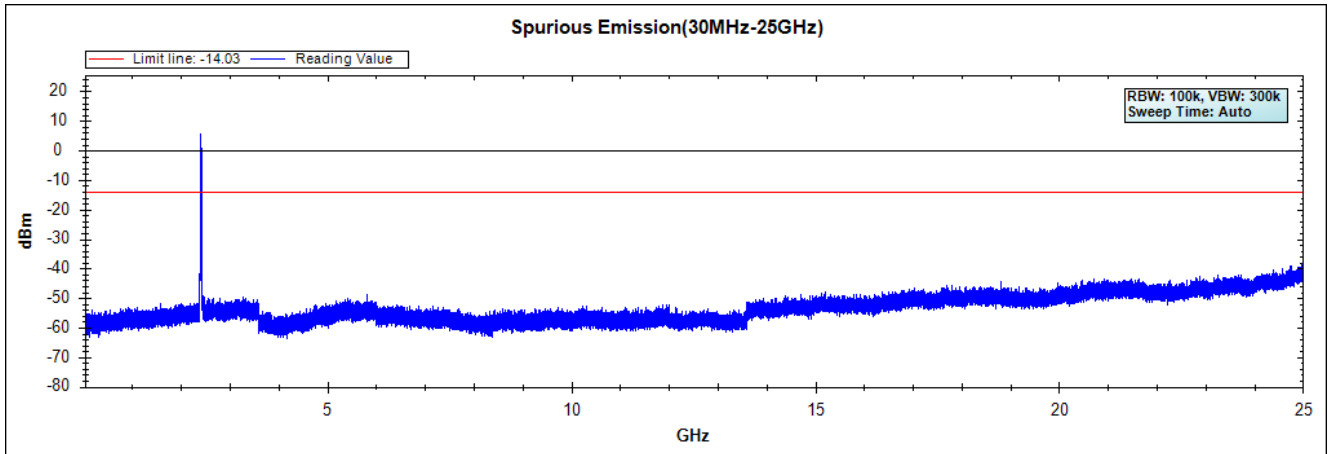
Channel 11 (2462MHz)



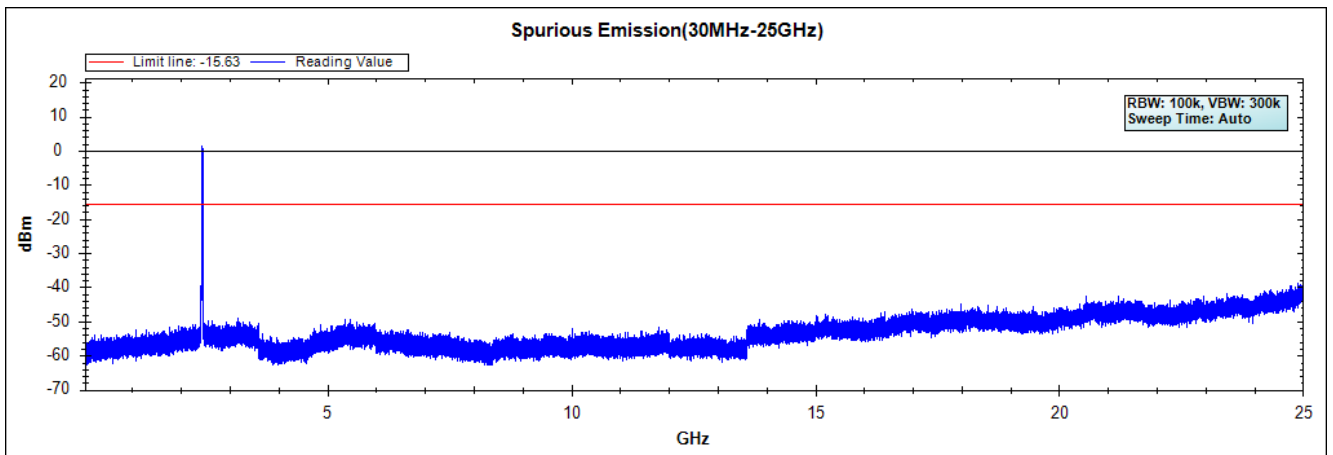
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : Mobile Computer
Test Item : RF Antenna Conducted Spurious
Test Mode : Mode 2: Transmit (802.11g 6Mbps)
Test Date : 2020/07/01

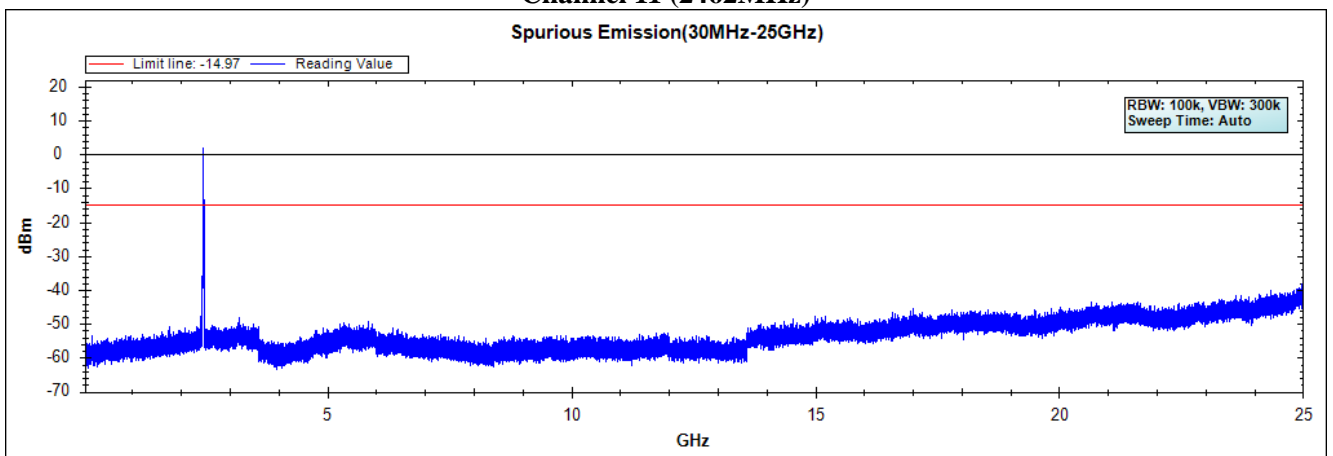
Channel 01 (2412MHz)



Channel 06 (2437MHz)



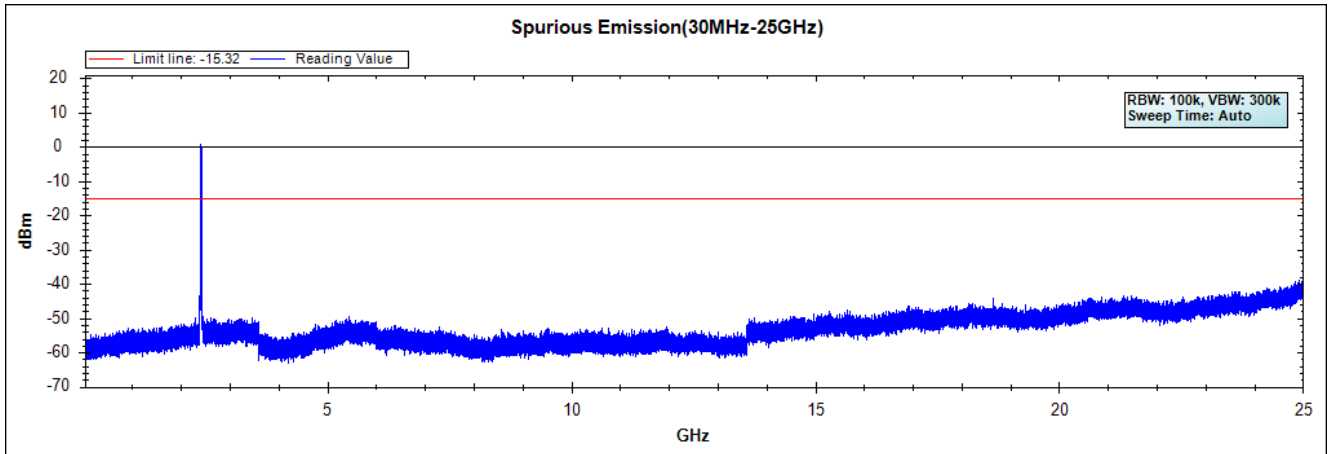
Channel 11 (2462MHz)



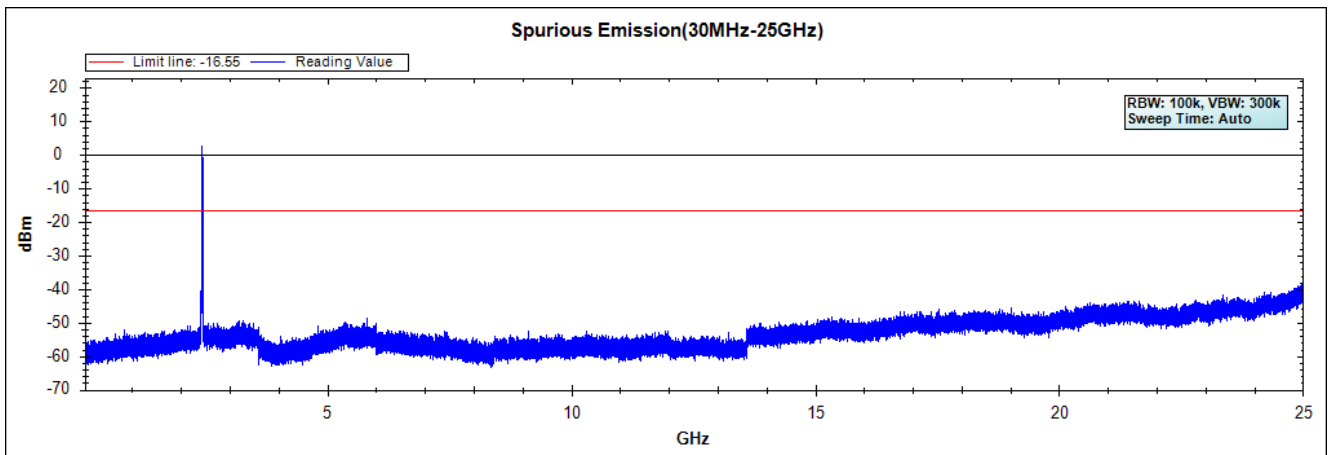
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : Mobile Computer
Test Item : RF Antenna Conducted Spurious
Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)
Test Date : 2020/07/01

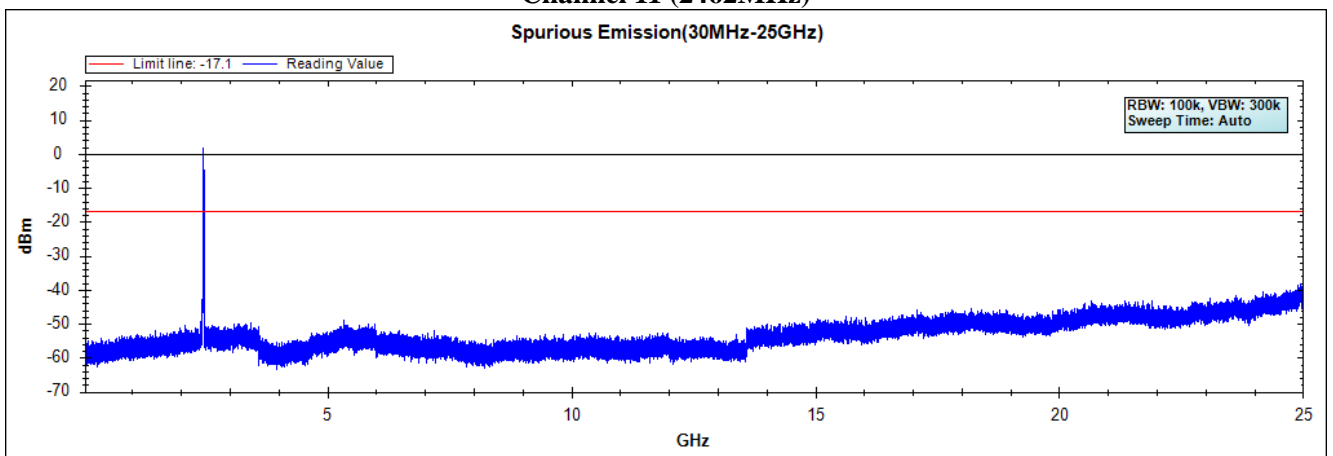
Channel 01 (2412MHz)



Channel 06 (2437MHz)



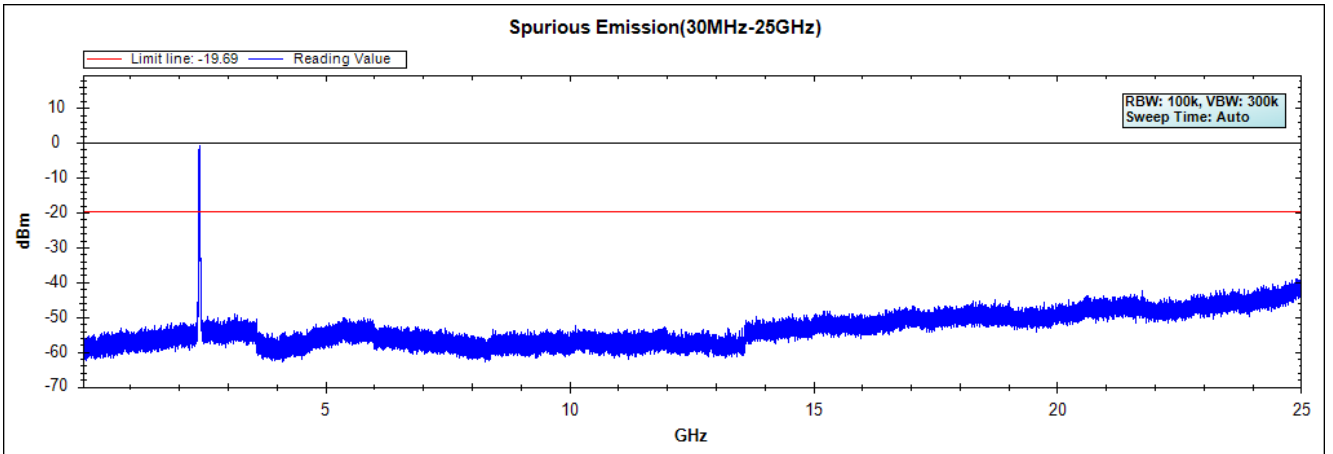
Channel 11 (2462MHz)



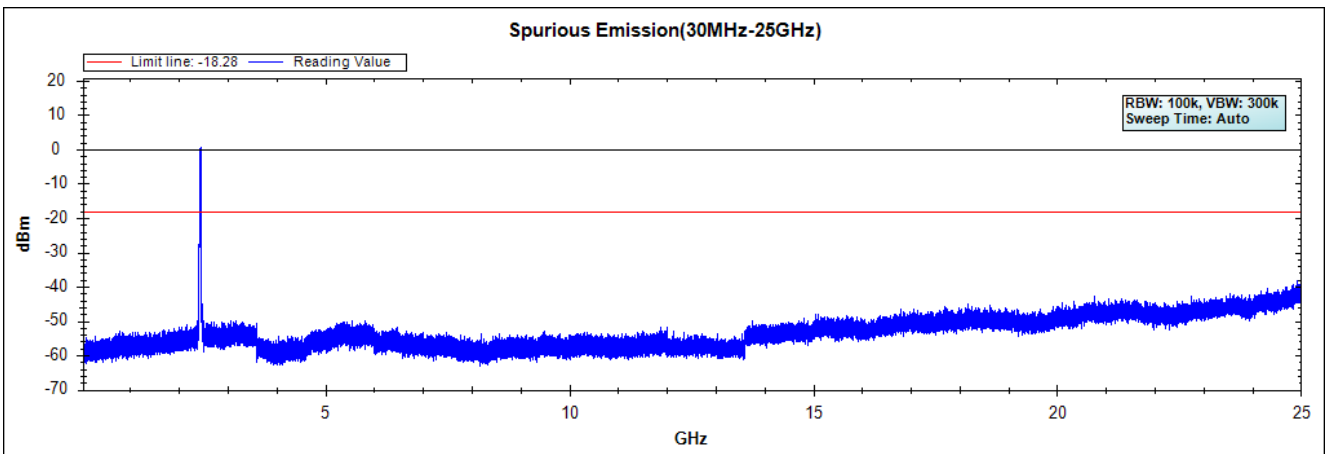
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : Mobile Computer
Test Item : RF Antenna Conducted Spurious
Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)
Test Date : 2020/07/01

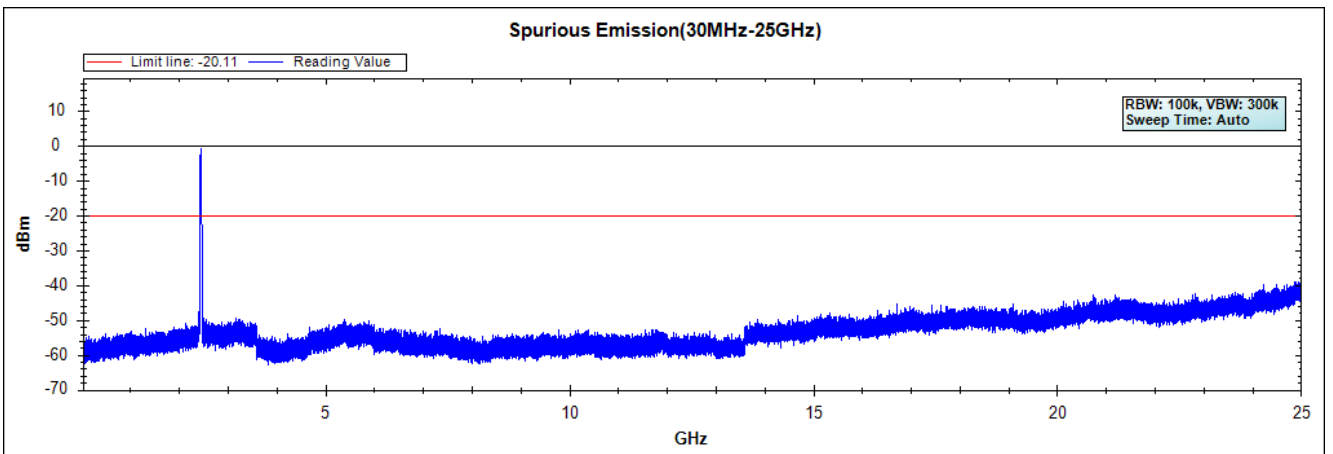
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

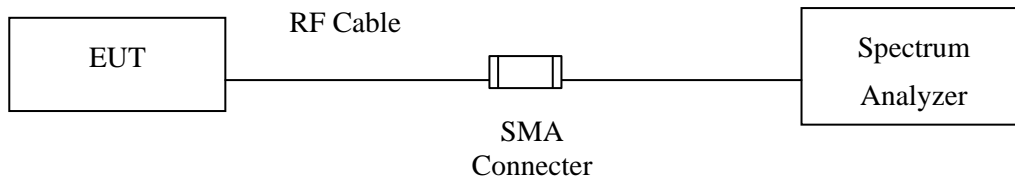


Note: The above test pattern is synthesized by multiple of the frequency range.

6. Band Edge

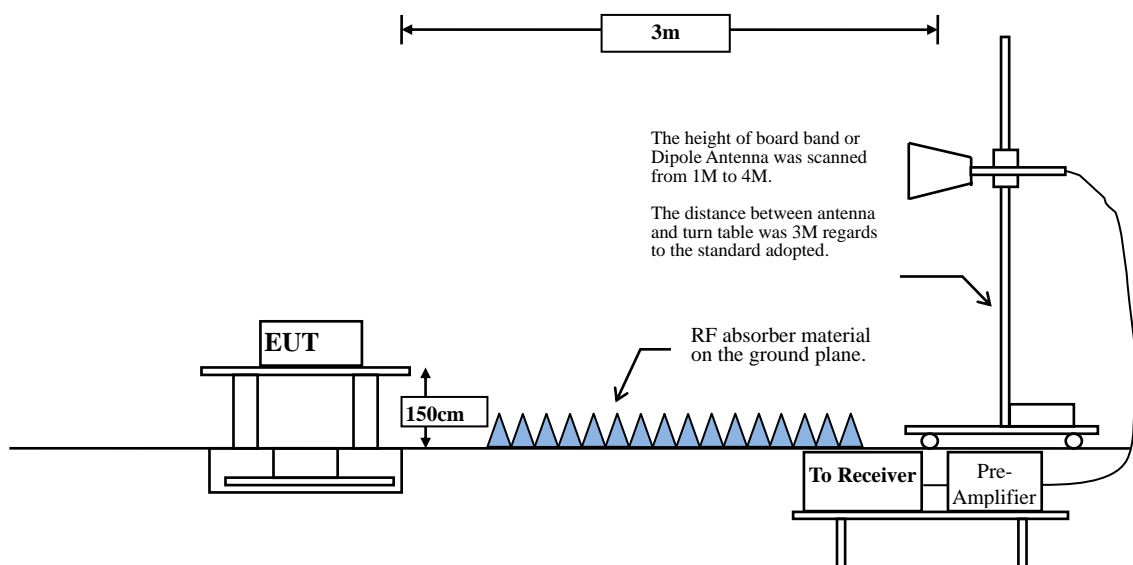
6.1. Test Setup

RF Conducted Measurement



RF Radiated Measurement:

Above 1GHz



6.2. Limits

According to FCC Section 15.247(d). In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

6.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to C63.10:2013 Section 11.12.1 for compliance to FCC 47CFR 15.247 requirements.

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

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

RBW and VBW Parameter setting:

According to C63.10 Section 11.12.2.4 Peak measurement procedure.

RBW = as specified in Table 1.

$VBW \geq 3 \times RBW$.

Table 1 —RBW as a function of frequency

| Frequency | RBW |
|-------------|-------------|
| 9-150 kHz | 200-300 Hz |
| 0.15-30 MHz | 9-10 kHz |
| 30-1000 MHz | 100-120 kHz |
| > 1000 MHz | 1 MHz |

According to C63.10 Section 11.12.2.5 Average measurement procedure.

RBW = 1MHz.

VBW = 10Hz, when duty cycle $\geq 98 \%$

$VBW \geq 1/T$, when duty cycle $< 98 \%$

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

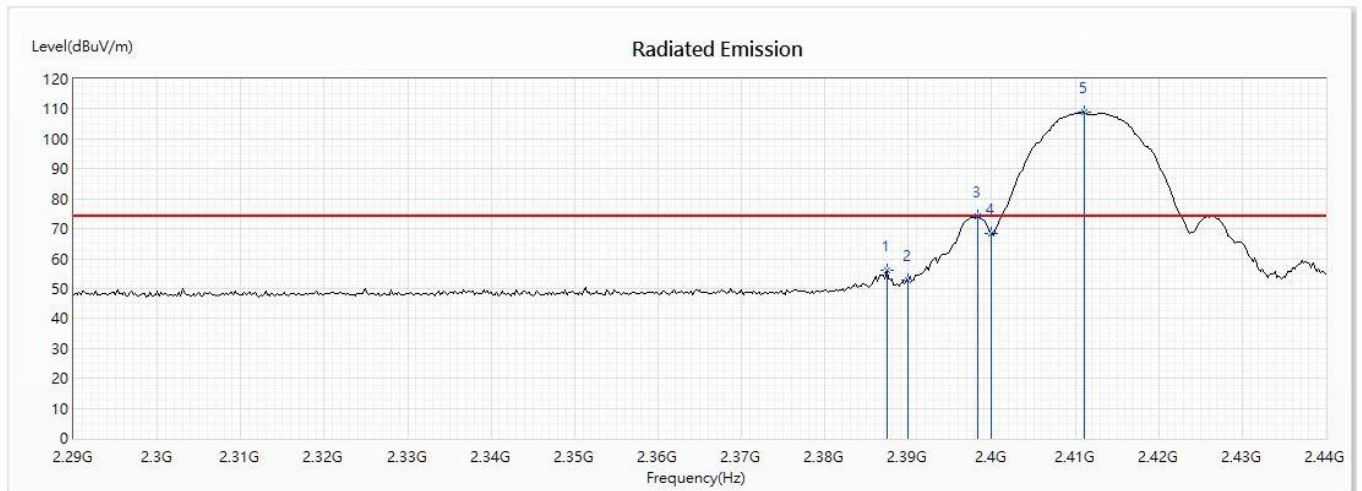
| 2.4GHz band | Duty Cycle (%) | T (ms) | 1/T (Hz) | VBW (Hz) |
|-------------|----------------|--------|----------|----------|
| 802.11b | 100.00 | 8.9196 | 112 | 10 |
| 802.11g | 98.23 | 2.0145 | 496 | 10 |
| 802.11n20 | 96.20 | 1.8341 | 545 | 1000 |
| 802.11n40 | 98.48 | 3.7471 | 267 | 10 |

Note: Duty Cycle Refer to Section 9

6.4. Test Result of Band Edge

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)
 Test Date : 2020/06/15

Horizontal



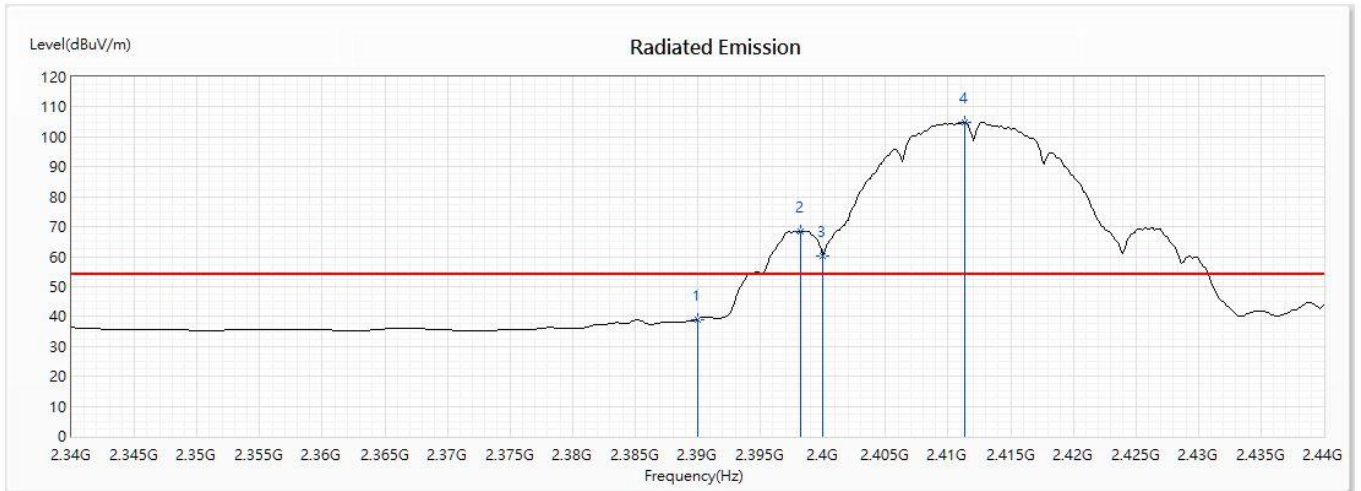
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2387.391 | 56.10 | 74.00 | -17.90 | 43.25 | 12.85 | PK |
| 2 | 2390 | 52.70 | 74.00 | -21.30 | 39.83 | 12.87 | PK |
| ! 3 | 2398.261 | 74.07 | -- | -- | 61.12 | 12.95 | PK |
| 4 | 2400 | 68.41 | -- | -- | 55.45 | 12.96 | PK |
| ! 5 | 2411.087 | 108.91 | -- | -- | 95.90 | 13.01 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)
 Test Date : 2020/06/15

Horizontal



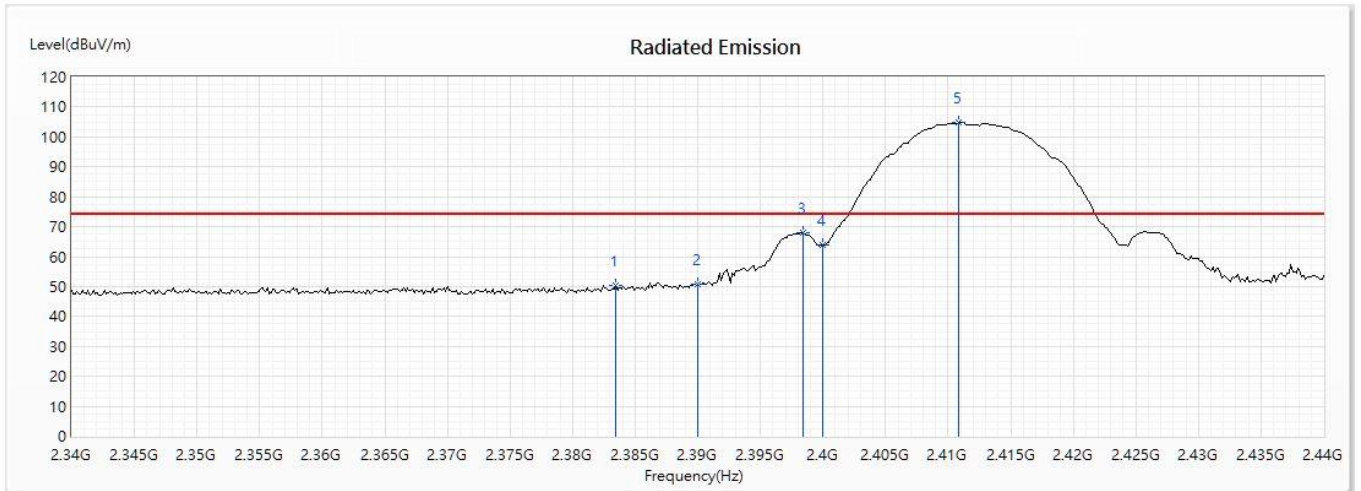
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 39.03 | 54.00 | -14.97 | 26.16 | 12.87 | AV |
| ! 2 | 2398.261 | 68.57 | -- | -- | 55.62 | 12.95 | AV |
| ! 3 | 2400 | 60.27 | -- | -- | 47.31 | 12.96 | AV |
| ! 4 | 2411.304 | 105.00 | -- | -- | 91.98 | 13.02 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)
 Test Date : 2020/06/15

Vertical



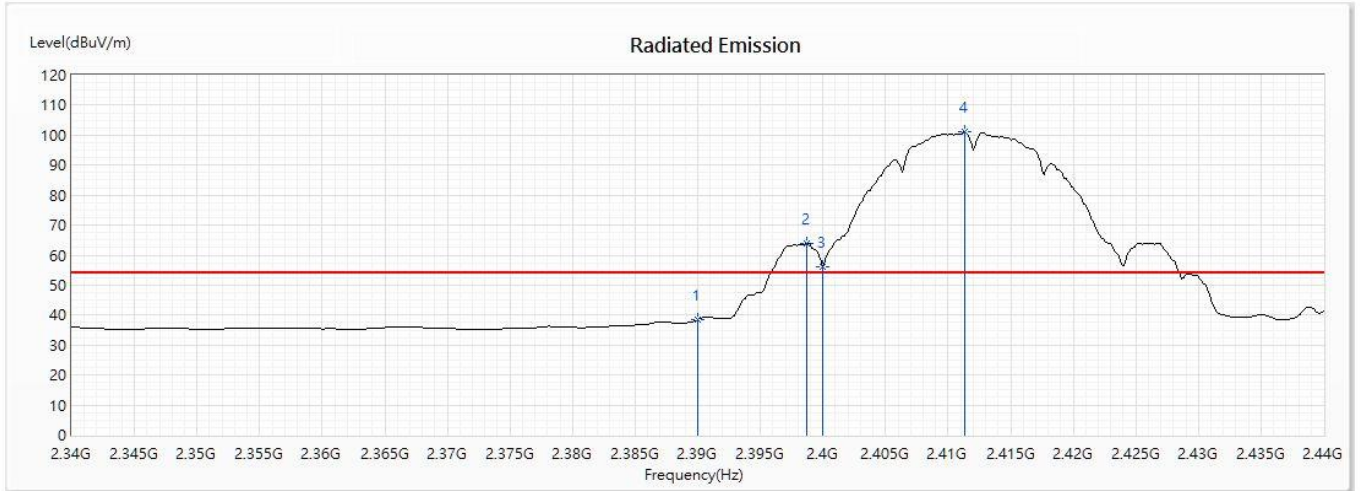
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2383.478 | 50.54 | 74.00 | -23.46 | 37.71 | 12.83 | PK |
| 2 | 2390 | 50.95 | 74.00 | -23.05 | 38.08 | 12.87 | PK |
| 3 | 2398.406 | 67.86 | -- | -- | 54.91 | 12.95 | PK |
| 4 | 2400 | 63.84 | -- | -- | 50.88 | 12.96 | PK |
| ! 5 | 2410.87 | 104.78 | -- | -- | 91.77 | 13.01 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)
 Test Date : 2020/06/15

Vertical



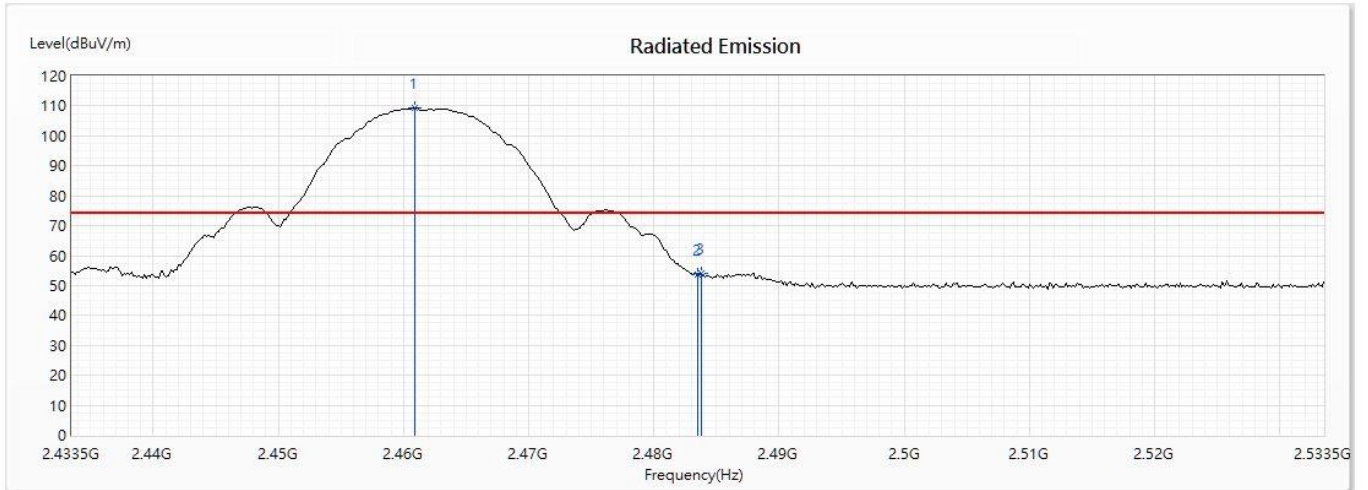
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 38.47 | 54.00 | -15.53 | 25.60 | 12.87 | AV |
| ! 2 | 2398.696 | 63.83 | -- | -- | 50.88 | 12.95 | AV |
| ! 3 | 2400 | 56.30 | -- | -- | 43.34 | 12.96 | AV |
| ! 4 | 2411.304 | 100.98 | -- | -- | 87.96 | 13.02 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)
 Test Date : 2020/06/15

Horizontal



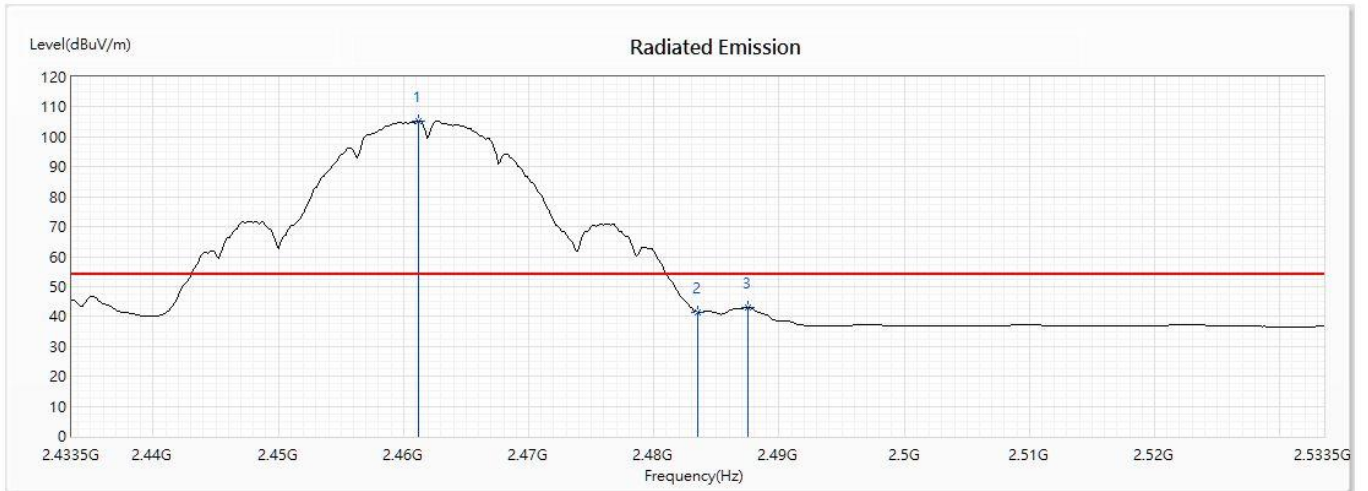
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2460.891 | 109.32 | -- | -- | 96.02 | 13.30 | PK |
| 2 | 2483.5 | 53.62 | 74.00 | -20.38 | 40.14 | 13.48 | PK |
| 3 | 2483.79 | 54.25 | 74.00 | -19.75 | 40.77 | 13.48 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)
 Test Date : 2020/06/15

Horizontal



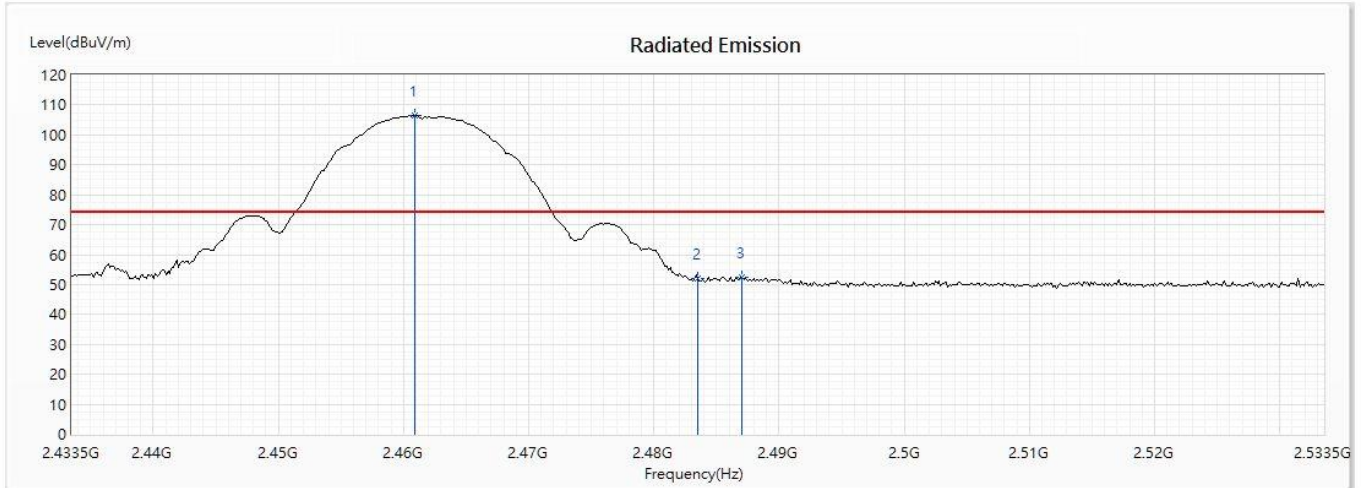
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2461.181 | 105.41 | -- | -- | 92.10 | 13.31 | AV |
| 2 | 2483.5 | 41.43 | 54.00 | -12.57 | 27.95 | 13.48 | AV |
| 3 | 2487.558 | 42.89 | 54.00 | -11.11 | 29.38 | 13.51 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)
 Test Date : 2020/06/15

Vertical



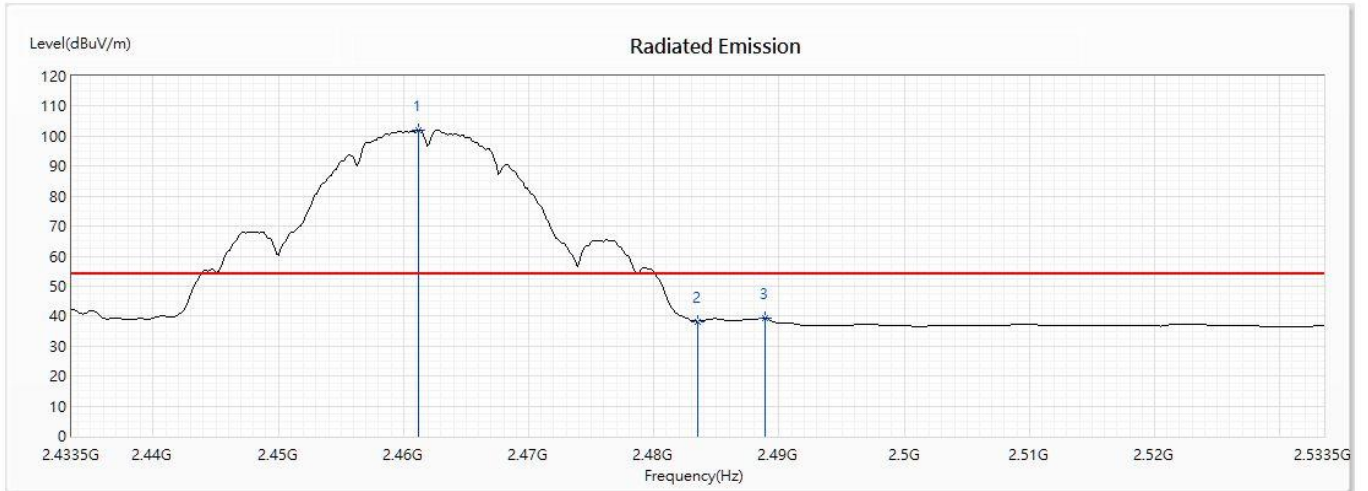
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2460.891 | 106.47 | -- | -- | 93.17 | 13.30 | PK |
| 2 | 2483.5 | 51.84 | 74.00 | -22.16 | 38.36 | 13.48 | PK |
| 3 | 2486.978 | 52.52 | 74.00 | -21.48 | 39.02 | 13.50 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)
 Test Date : 2020/06/15

Vertical



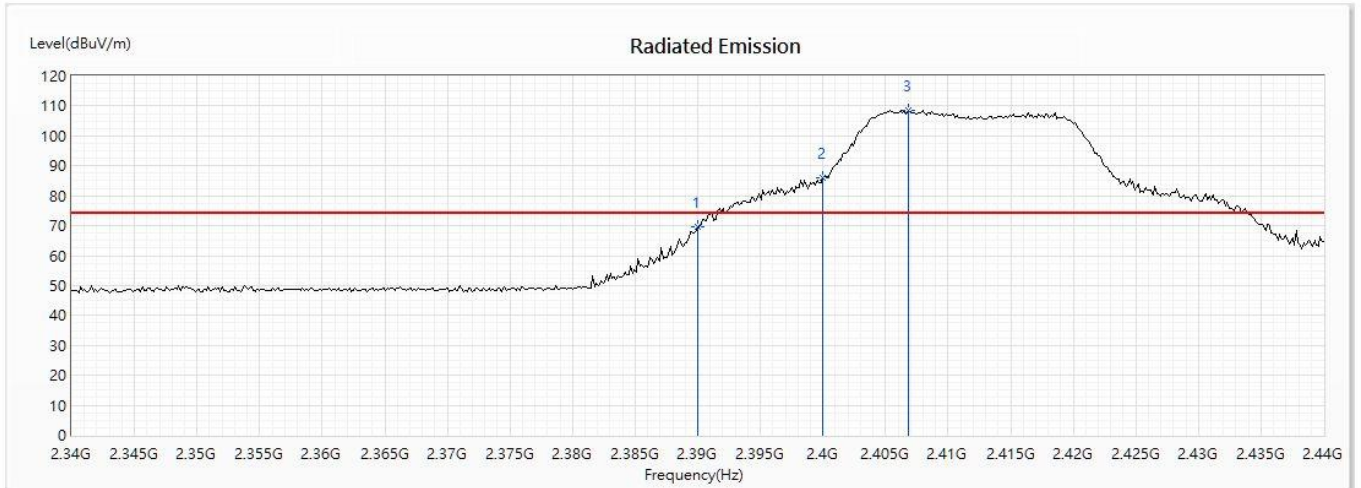
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2461.181 | 102.14 | -- | -- | 88.83 | 13.31 | AV |
| 2 | 2483.5 | 38.25 | 54.00 | -15.75 | 24.77 | 13.48 | AV |
| 3 | 2488.862 | 39.36 | 54.00 | -14.64 | 25.84 | 13.52 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)
 Test Date : 2020/06/15

Horizontal



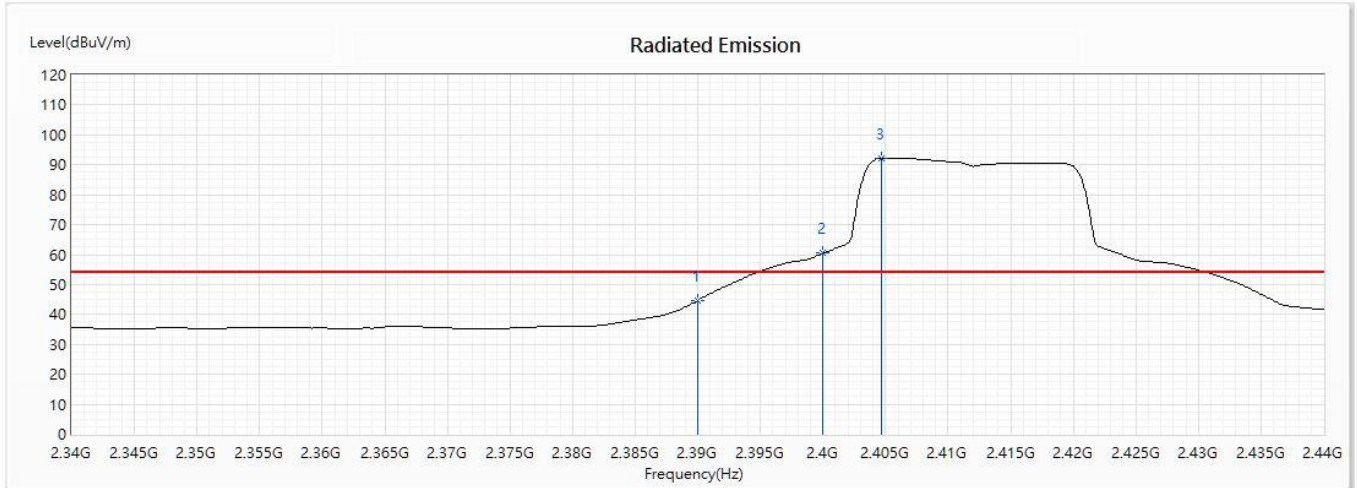
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 69.47 | 74.00 | -4.53 | 56.60 | 12.87 | PK |
| ! 2 | 2400 | 86.03 | -- | -- | 73.07 | 12.96 | PK |
| ! 3 | 2406.812 | 108.69 | -- | -- | 95.70 | 12.99 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)
 Test Date : 2020/06/15

Horizontal



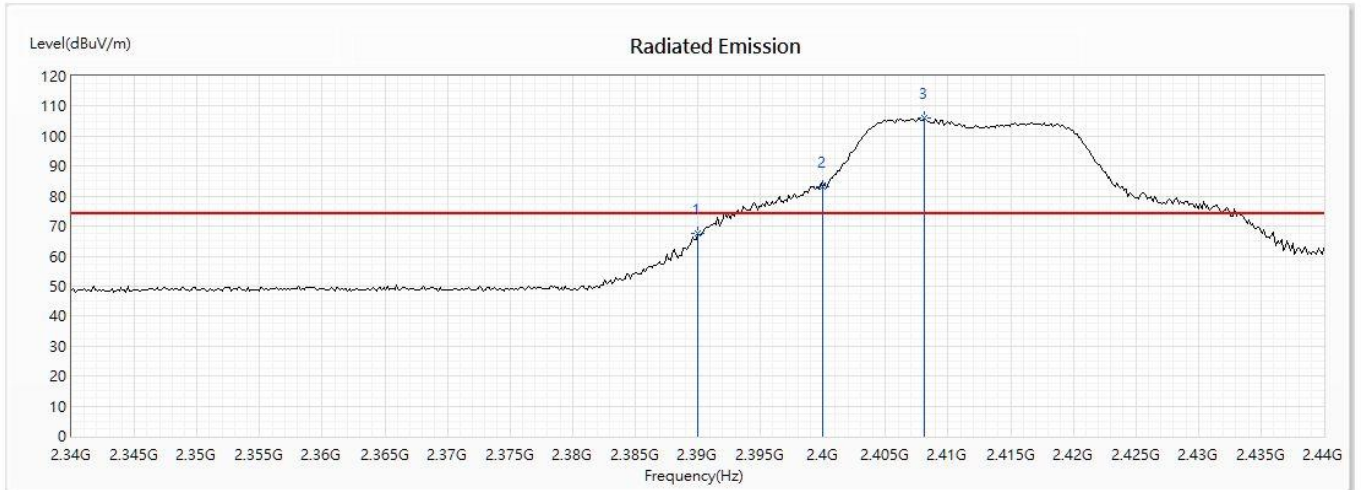
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 44.73 | 54.00 | -9.27 | 31.86 | 12.87 | AV |
| ! 2 | 2400 | 60.45 | -- | -- | 47.49 | 12.96 | AV |
| ! 3 | 2404.638 | 92.12 | -- | -- | 79.14 | 12.98 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)
 Test Date : 2020/06/15

Vertical



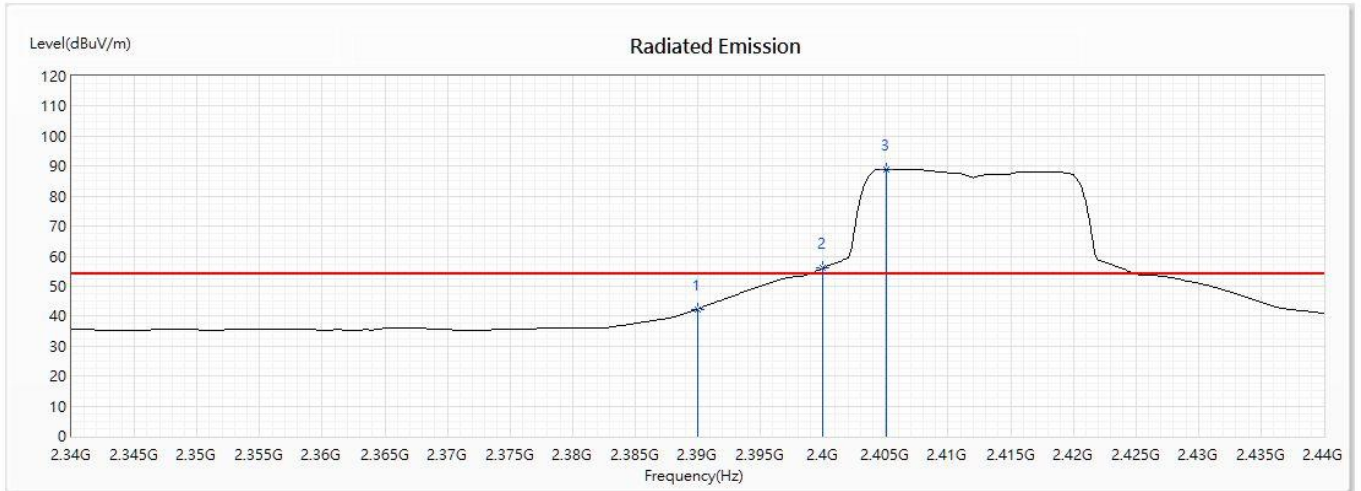
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 67.75 | 74.00 | -6.25 | 54.88 | 12.87 | PK |
| ! 2 | 2400 | 82.99 | -- | -- | 70.03 | 12.96 | PK |
| ! 3 | 2408.116 | 105.95 | -- | -- | 92.95 | 13.00 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)
 Test Date : 2020/06/15

Vertical



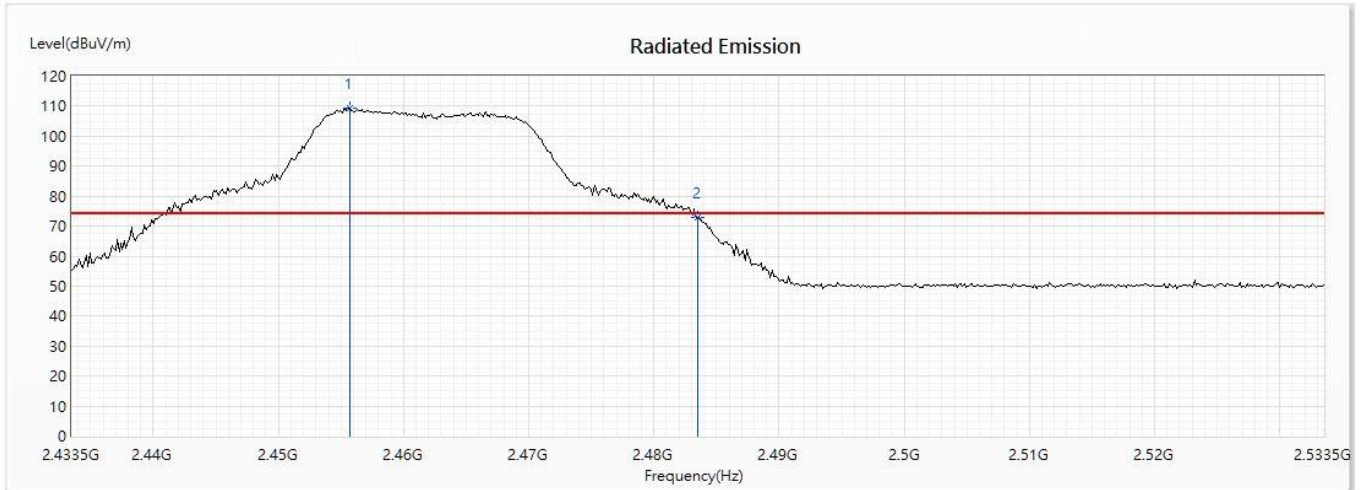
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 42.29 | 54.00 | -11.71 | 29.42 | 12.87 | AV |
| ! 2 | 2400 | 55.94 | -- | -- | 42.98 | 12.96 | AV |
| ! 3 | 2405.072 | 89.05 | -- | -- | 76.07 | 12.98 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)
 Test Date : 2020/06/15

Horizontal



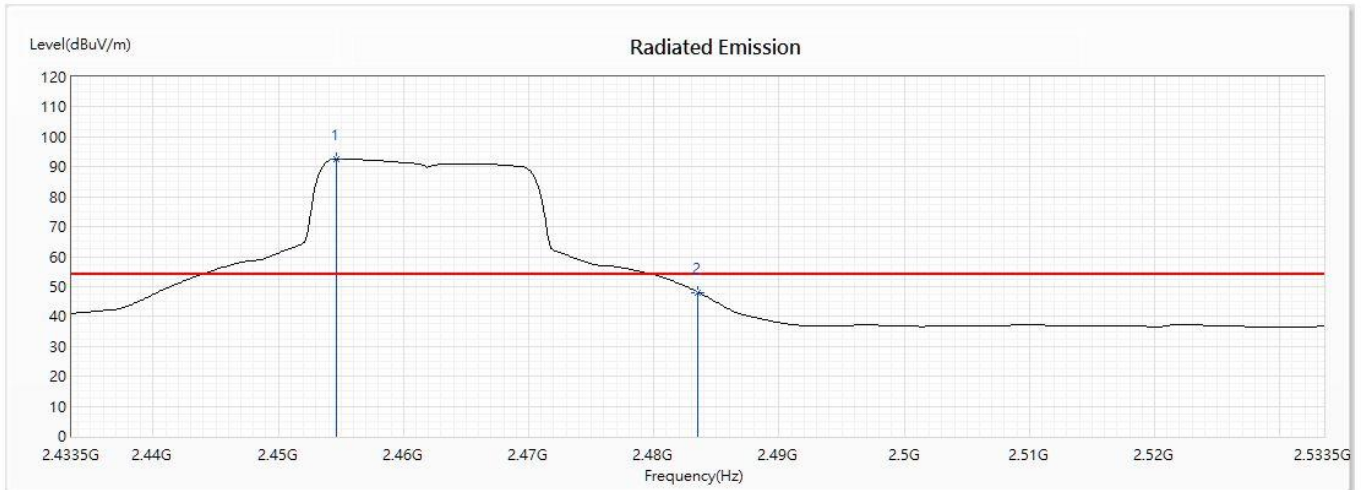
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2455.674 | 109.53 | -- | -- | 96.26 | 13.27 | PK |
| 2 | 2483.5 | 72.86 | 74.00 | -1.14 | 59.38 | 13.48 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)
 Test Date : 2020/06/15

Horizontal



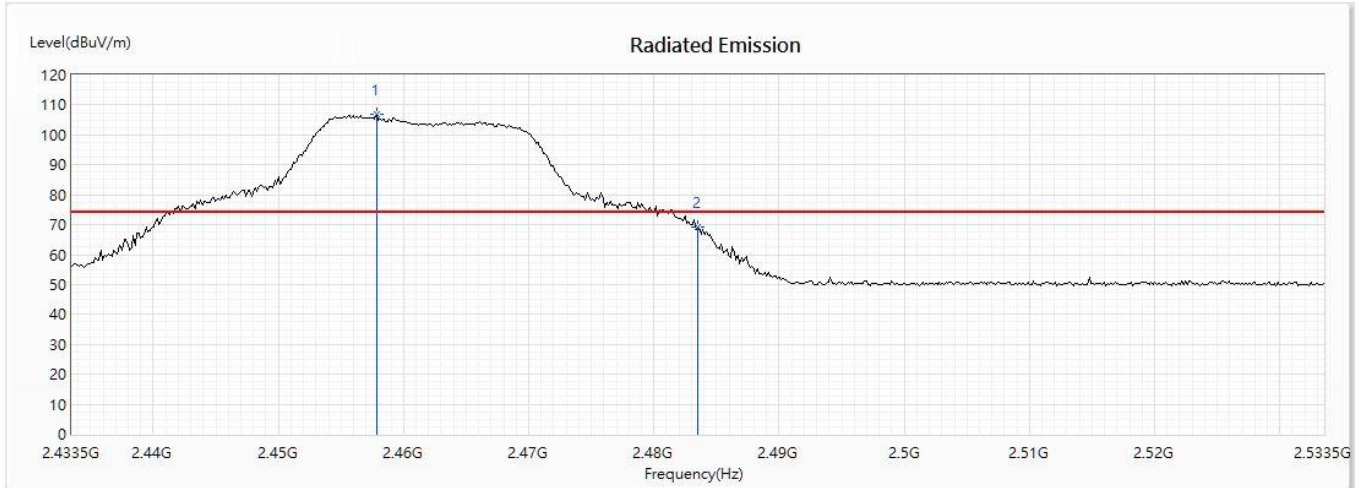
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2454.659 | 92.62 | -- | -- | 79.36 | 13.26 | AV |
| 2 | 2483.5 | 48.07 | 54.00 | -5.93 | 34.59 | 13.48 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)
 Test Date : 2020/06/15

Vertical



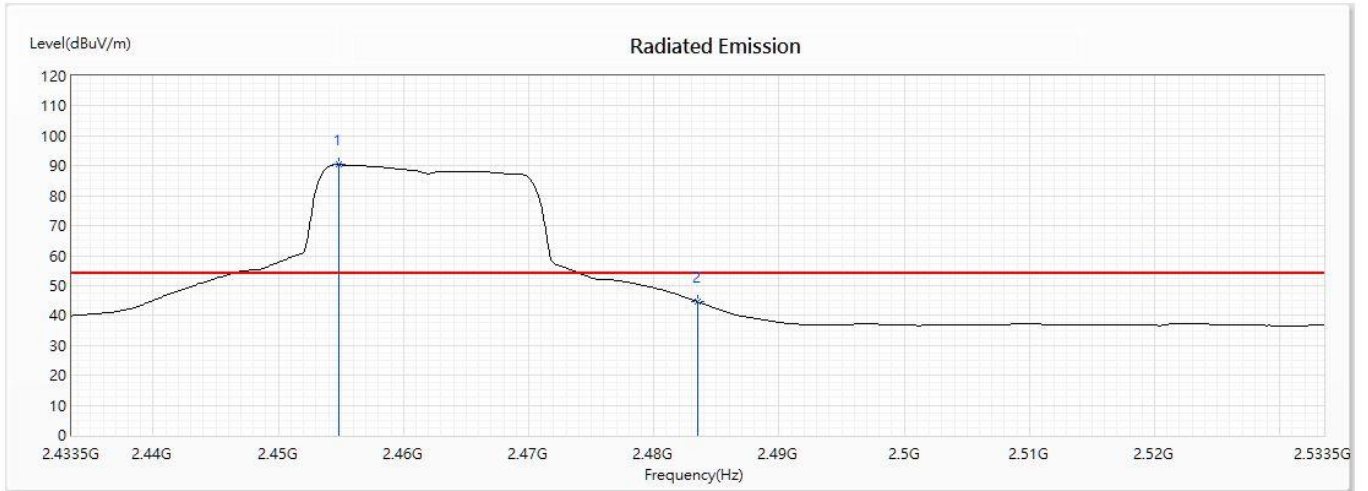
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2457.848 | 106.78 | -- | -- | 93.49 | 13.29 | PK |
| 2 | 2483.5 | 69.11 | 74.00 | -4.89 | 55.63 | 13.48 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)
 Test Date : 2020/06/15

Vertical



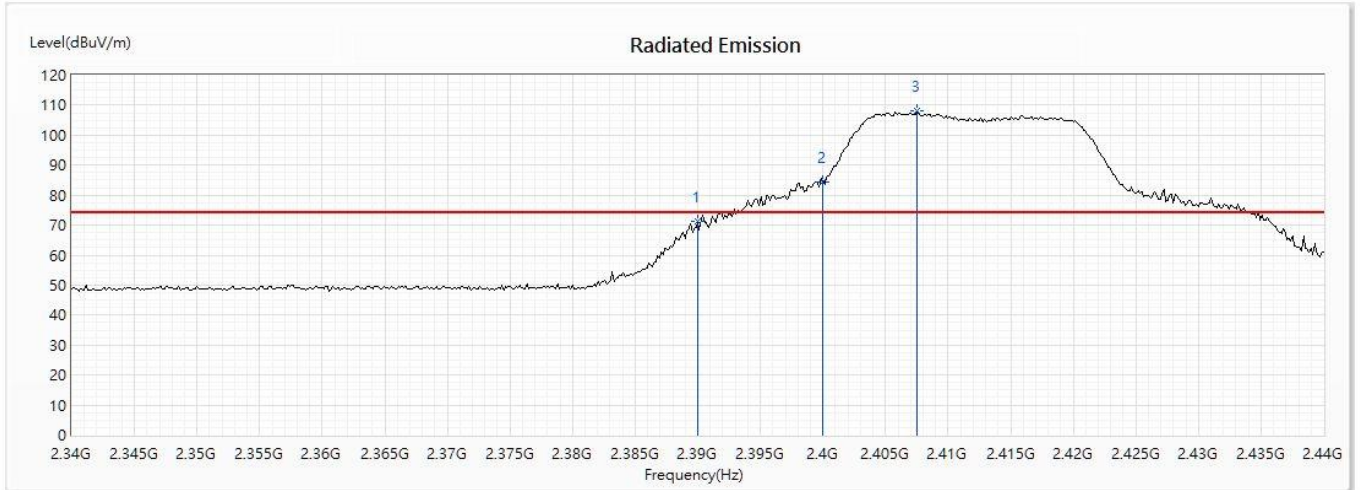
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2454.804 | 90.32 | -- | -- | 77.06 | 13.26 | AV |
| 2 | 2483.5 | 44.58 | 54.00 | -9.42 | 31.10 | 13.48 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)
 Test Date : 2020/06/15

Horizontal



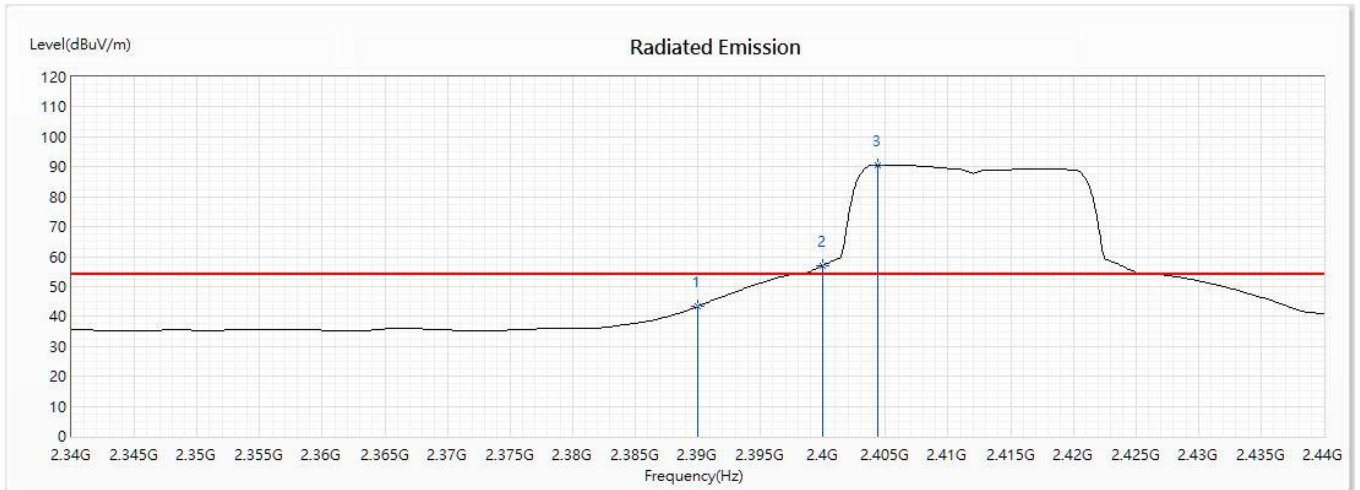
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 71.07 | 74.00 | -2.93 | 58.20 | 12.87 | PK |
| ! 2 | 2400 | 84.57 | -- | -- | 71.61 | 12.96 | PK |
| ! 3 | 2407.536 | 108.14 | -- | -- | 95.14 | 13.00 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)
 Test Date : 2020/06/15

Horizontal



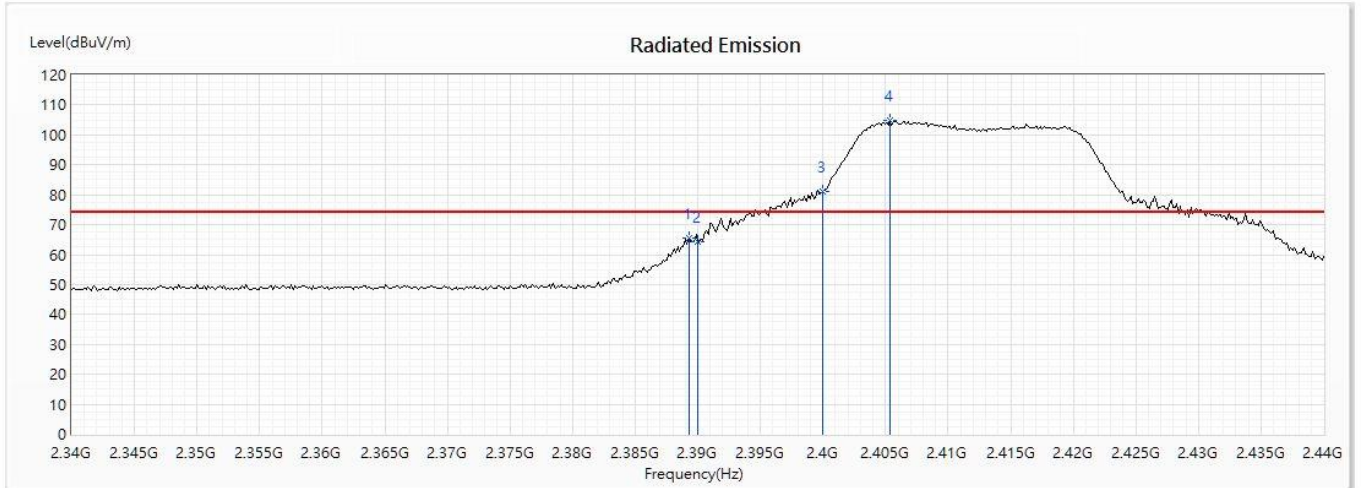
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 43.39 | 54.00 | -10.61 | 30.52 | 12.87 | AV |
| ! 2 | 2400 | 57.04 | -- | -- | 44.08 | 12.96 | AV |
| ! 3 | 2404.348 | 90.58 | -- | -- | 77.60 | 12.98 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)
 Test Date : 2020/06/15

Vertical



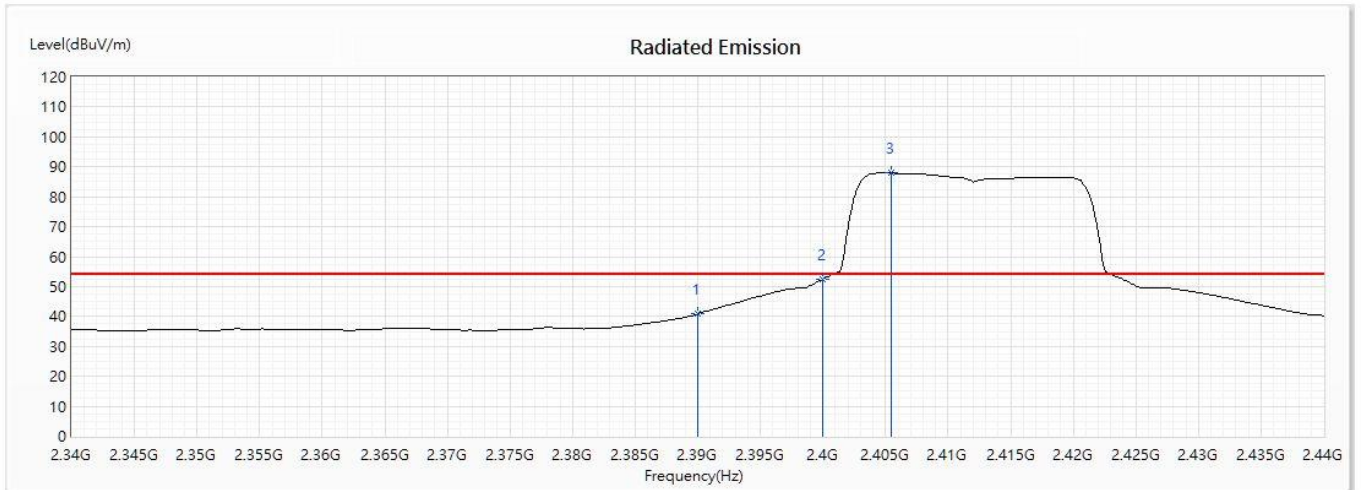
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2389.275 | 65.73 | 74.00 | -8.27 | 52.86 | 12.87 | PK |
| 2 | 2390 | 64.12 | 74.00 | -9.88 | 51.25 | 12.87 | PK |
| ! 3 | 2400 | 81.07 | -- | -- | 68.11 | 12.96 | PK |
| ! 4 | 2405.362 | 104.96 | -- | -- | 91.98 | 12.98 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)
 Test Date : 2020/06/15

Vertical



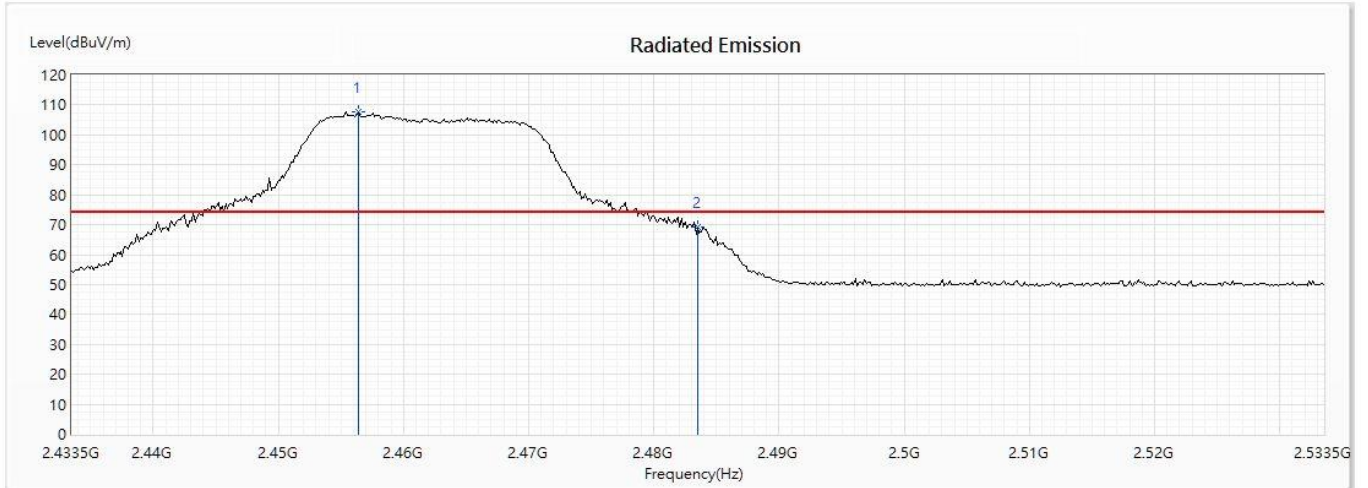
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 40.82 | 54.00 | -13.18 | 27.95 | 12.87 | AV |
| 2 | 2400 | 52.47 | -- | -- | 39.51 | 12.96 | AV |
| ! 3 | 2405.507 | 87.89 | -- | -- | 74.90 | 12.99 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462MHz)
 Test Date : 2020/06/15

Horizontal



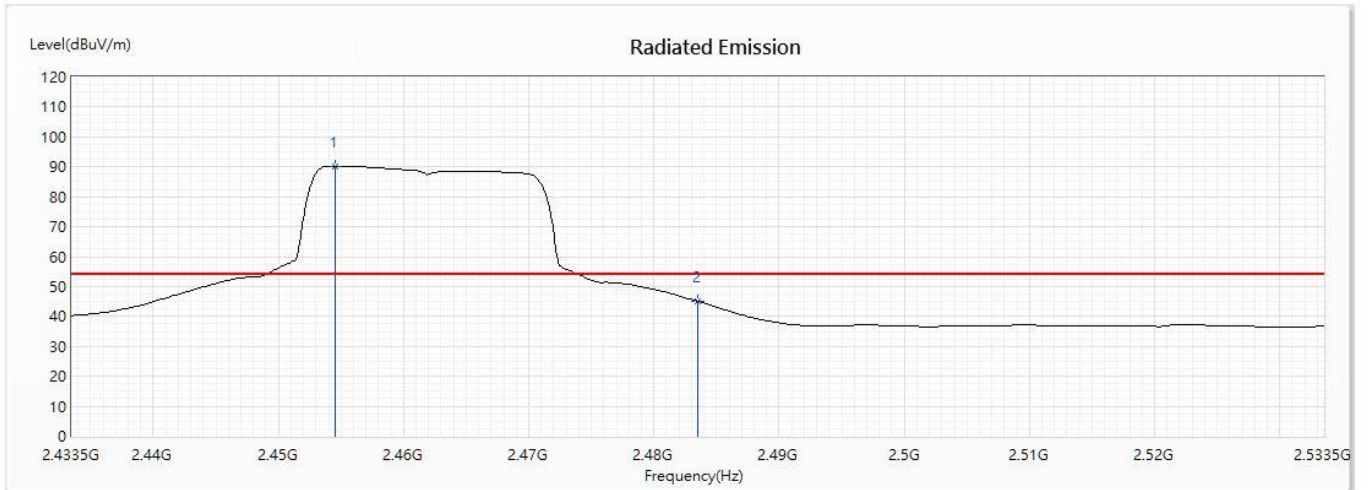
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2456.399 | 107.86 | -- | -- | 94.59 | 13.27 | PK |
| 2 | 2483.5 | 69.06 | 74.00 | -4.94 | 55.58 | 13.48 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462MHz)
 Test Date : 2020/06/15

Horizontal



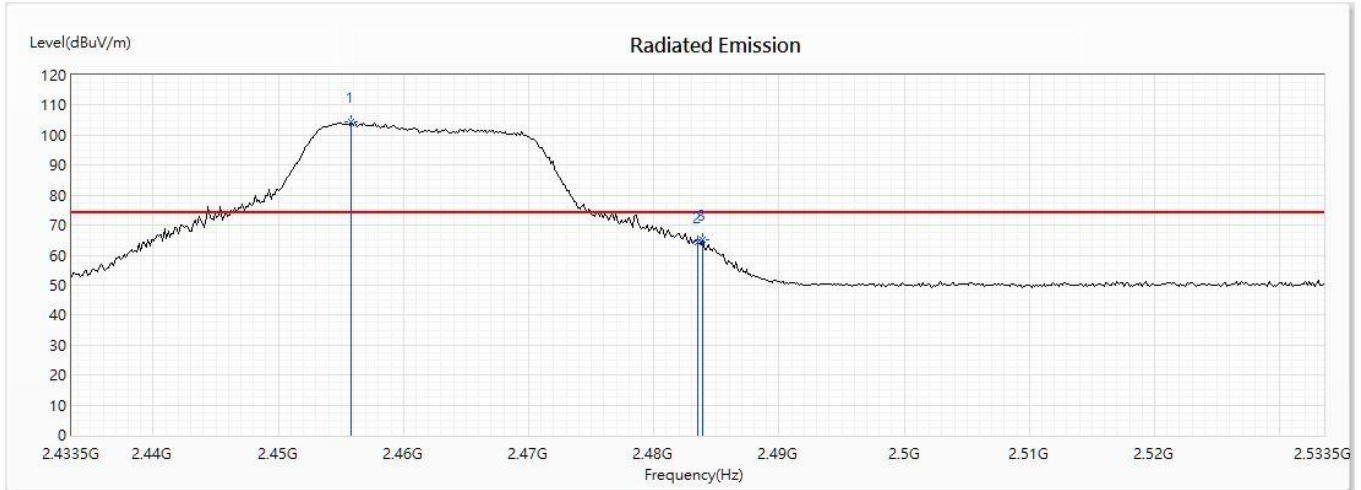
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2454.514 | 90.21 | -- | -- | 76.95 | 13.26 | AV |
| 2 | 2483.5 | 45.03 | 54.00 | -8.97 | 31.55 | 13.48 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462MHz)
 Test Date : 2020/06/15

Vertical



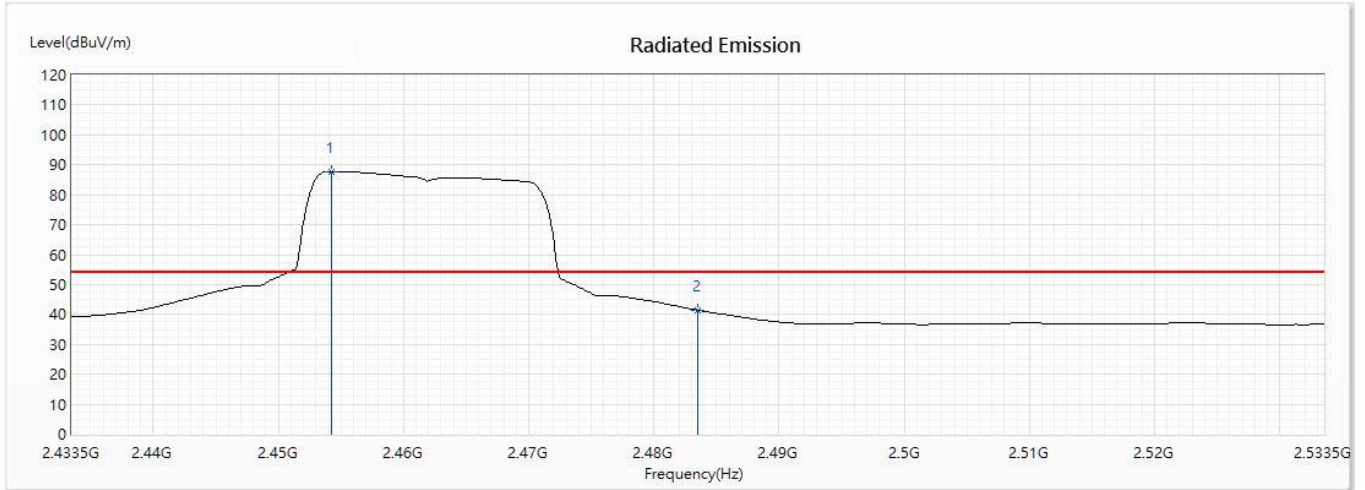
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2455.819 | 104.33 | -- | -- | 91.06 | 13.27 | PK |
| 2 | 2483.5 | 64.40 | 74.00 | -9.60 | 50.92 | 13.48 | PK |
| 3 | 2483.935 | 65.15 | 74.00 | -8.85 | 51.67 | 13.48 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462MHz)
 Test Date : 2020/06/15

Vertical



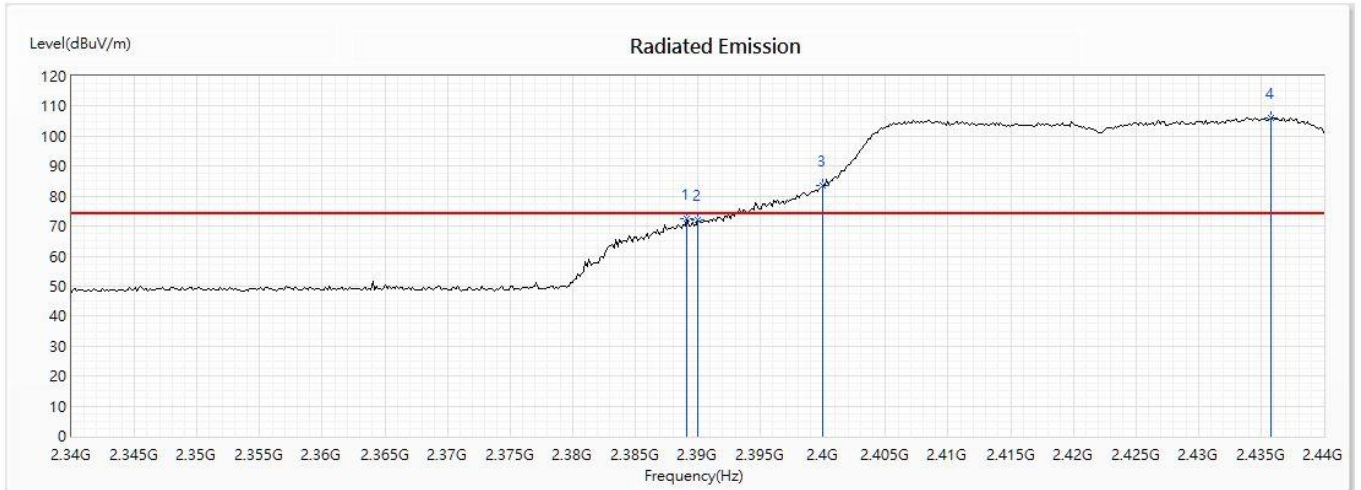
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2454.225 | 87.80 | -- | -- | 74.54 | 13.26 | AV |
| 2 | 2483.5 | 41.39 | 54.00 | -12.61 | 27.91 | 13.48 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2422MHz)
 Test Date : 2020/06/15

Horizontal



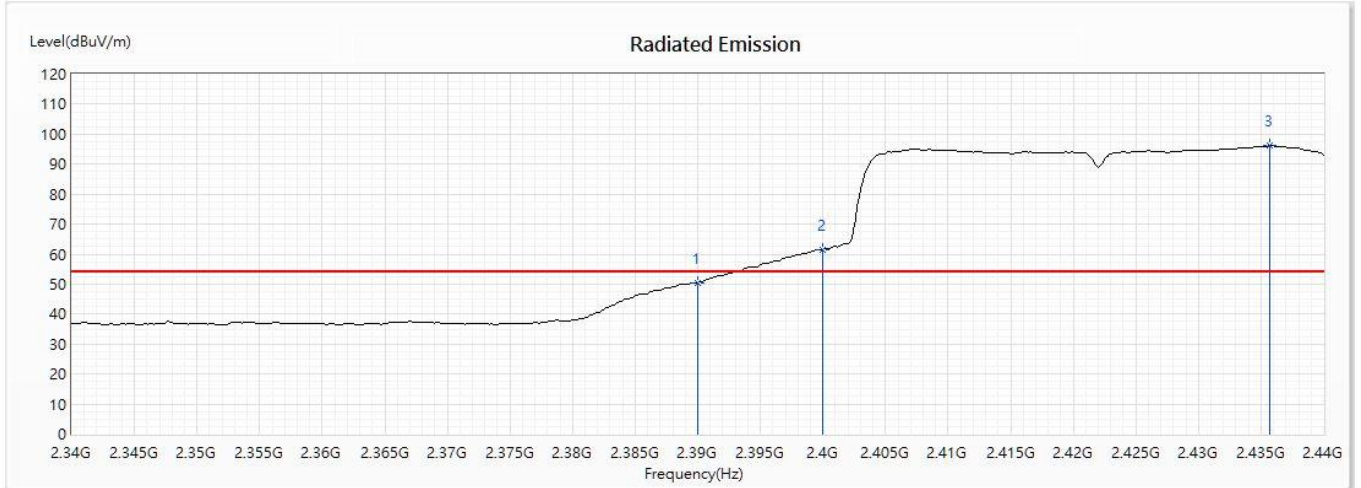
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2389.13 | 72.51 | 74.00 | -1.49 | 59.64 | 12.87 | PK |
| 2 | 2390 | 72.20 | 74.00 | -1.80 | 59.33 | 12.87 | PK |
| ! 3 | 2400 | 83.72 | -- | -- | 70.76 | 12.96 | PK |
| ! 4 | 2435.797 | 106.18 | -- | -- | 93.04 | 13.14 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2422MHz)
 Test Date : 2020/06/15

Horizontal



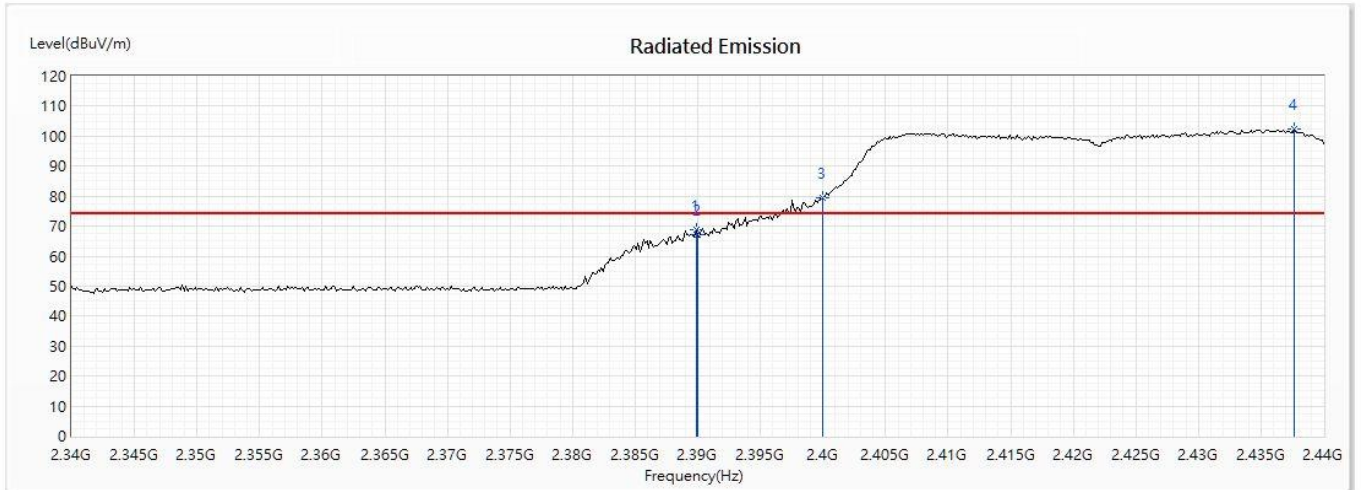
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 50.39 | 54.00 | -3.61 | 37.52 | 12.87 | AV |
| ! 2 | 2400 | 61.63 | -- | -- | 48.67 | 12.96 | AV |
| ! 3 | 2435.652 | 96.11 | -- | -- | 82.97 | 13.14 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2422MHz)
 Test Date : 2020/06/15

Vertical



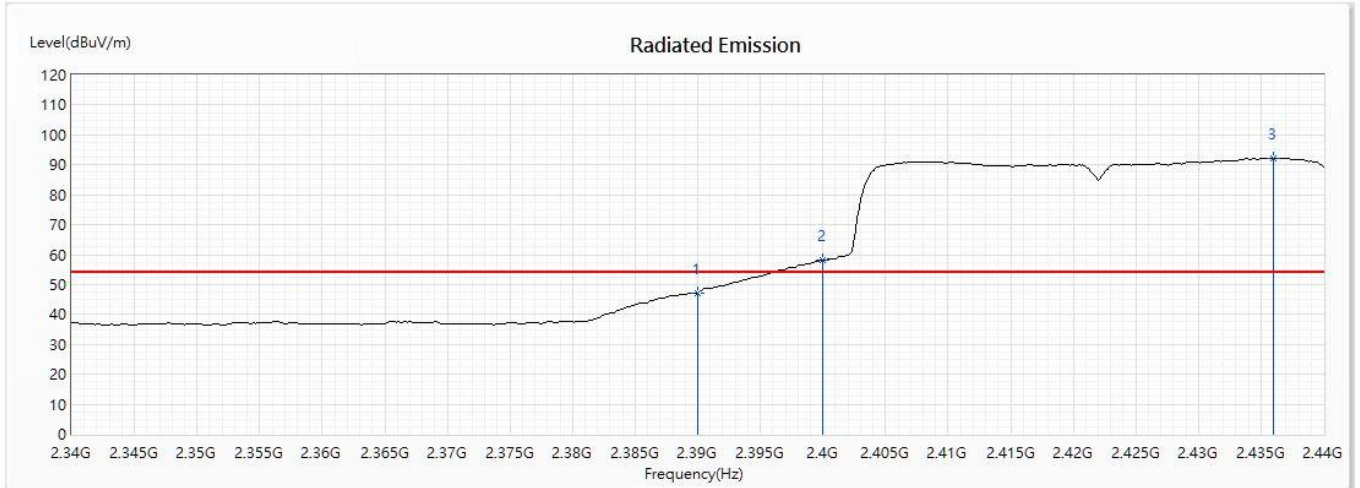
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2389.855 | 68.61 | 74.00 | -5.39 | 55.74 | 12.87 | PK |
| 2 | 2390 | 67.27 | 74.00 | -6.73 | 54.40 | 12.87 | PK |
| ! 3 | 2400 | 79.32 | -- | -- | 66.36 | 12.96 | PK |
| ! 4 | 2437.681 | 102.31 | -- | -- | 89.15 | 13.16 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2422MHz)
 Test Date : 2020/06/15

Vertical



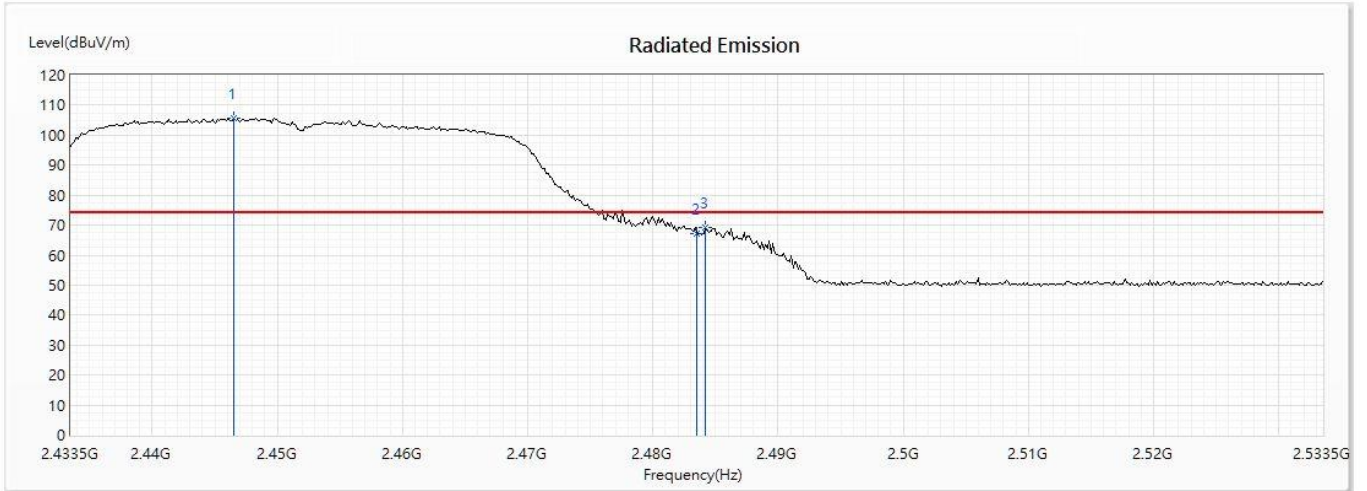
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| 1 | 2390 | 47.19 | 54.00 | -6.81 | 34.32 | 12.87 | AV |
| ! 2 | 2400 | 58.14 | -- | -- | 45.18 | 12.96 | AV |
| ! 3 | 2435.942 | 92.22 | -- | -- | 79.08 | 13.14 | AV |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer
 Test Item : Band Edge Data
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2452MHz)
 Test Date : 2020/06/15

Horizontal



| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Reading Level (dBuV) | Correct Factor (dB/m) | Detector Type |
|-----|-----------------|-------------------------|----------------|-------------|----------------------|-----------------------|---------------|
| ! 1 | 2446.543 | 105.69 | -- | -- | 92.48 | 13.21 | PK |
| 2 | 2483.5 | 67.16 | 74.00 | -6.84 | 53.68 | 13.48 | PK |
| 3 | 2484.225 | 69.12 | 74.00 | -4.88 | 55.63 | 13.49 | PK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.