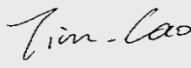
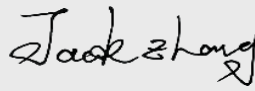


Test report No:  
2390782R-RF-US-P06V07

## FCC & ISED TEST REPORT

|                                             |                                                                                                                  |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Product Name                                | Mobile Computer                                                                                                  |
| Trademark                                   | Elo                                                                                                              |
| Model and /or type reference                | EMC-M51                                                                                                          |
| FCC ID                                      | RBWEMCM51                                                                                                        |
| IC                                          | 10757B-EMCM51                                                                                                    |
| Applicant's name / address                  | Elo Touch Solutions, Inc<br>670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.                           |
| Test method requested, standard             | 47 CFR FCC Part 15 (Section 15.247)<br>ANSI C63.10: 2013<br>RSS-Gen Issue 5<br>RSS-247 Issue 3                   |
| Verdict Summary                             | IN COMPLIANCE                                                                                                    |
| Documented by (name / position & signature) | Tim Cao / Project Manager<br> |
| Approved by (name / position & signature)   | Jack Zhang / Manager<br>      |
| Date of issue                               | 2024-09-14                                                                                                       |
| Report Version                              | V1.0                                                                                                             |
| Report template No                          | Template_FCC Part 15C-RF-V1.0                                                                                    |

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## COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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## GENERAL CONDITIONS

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Test Location        | No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China |
| Date(receive sample) | Mar. 20, 2024                                                          |
| Date (start test)    | Jun. 01, 2024                                                          |
| Date (finish test)   | Jun. 30, 2024                                                          |

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

## ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

|                       |               |
|-----------------------|---------------|
| Ambient temperature   | 15 °C – 35 °C |
| Relative Humidity air | 30% - 60%     |

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

## POSSIBLE TEST CASE VERDICTS

|                                         |                 |
|-----------------------------------------|-----------------|
| Test case does not apply to test object | N/A             |
| Test object does meet requirement       | P (Pass) / PASS |
| Test object does not meet requirement   | F (Fail) / FAIL |
| Not measured                            | N/M             |

## ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

|       |                               |
|-------|-------------------------------|
| EUT   | : Equipment Under Test        |
| QP    | : Quasi-Peak                  |
| CAV   | : CISPR Average               |
| AV    | : Average                     |
| CDN   | : Coupling Decoupling Network |
| SAC   | : Semi-Anechoic Chamber       |
| OATS  | : Open Area Test Site         |
| BW    | : Bandwidth                   |
| AM    | : Amplitude Modulation        |
| PM    | : Pulse Modulation            |
| HCP   | : Horizontal Coupling Plane   |
| VCP   | : Vertical Coupling Plane     |
| $U_N$ | : Nominal voltage             |
| $T_x$ | : Transmitter                 |
| $R_x$ | : Receiver                    |
| N/A   | : Not Applicable              |
| N/M   | : Not Measured                |

## DOCUMENT HISTORY

| Report No.            | Version | Description              | Issued Date |
|-----------------------|---------|--------------------------|-------------|
| 2390782R-RF-US-P06V07 | V1.0    | Initial issue of report. | 2024-09-14  |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |

## REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. This report is limited report related to installation tested module in Mobile Computer, the customer declared that the RF parameter of the module installed in the host is exactly same with the certificated module. We verified the RF Output Power and Radiated Emissions on the Host. For other test data, please refer to FCC ID: 2APJ4-SRM955, IC: 23860-SRM955. These test results on a sample of the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 15 (Section 15.247), RSS-247 Issue 3. RSS-Gen Issue 5.
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
  - Chapter 1.1 General Description of the Item(s);
  - Chapter 1.2 Antenna Informaion;
  - Chapter 1.3 Channel List.

## USED EQUIPMENT

Conducted Test/ TR8

| Instrument                                                    | Manufacturer | Model No.     | Serial No. | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
|---------------------------------------------------------------|--------------|---------------|------------|------------|----------------|------------------|------------------|
| Wireless Connectivity Tester                                  | R&S          | CMW 270       | 102593     | 2024.05.15 | 2025.05.14     | V 4.0.60         | N/A              |
| Coaxial Cable                                                 | N/A          | N/A           | 2477       | 2023.10.08 | 2024.10.07     | N/A              | N/A              |
| Coaxial Cable                                                 | N/A          | N/A           | 2478       | 2023.10.08 | 2024.10.07     | N/A              | N/A              |
| High and low temperature and fast temperature change test box | ASTUOD       | ASTD-FBT-225K | N/A        | 2024.04.21 | 2025.04.20     | N/A              | N/A              |
| Temperature/Humidity Meter                                    | RTS          | RTS-1909      | THM-032    | 2024.05.17 | 2025.05.16     | N/A              | N/A              |
| Test system                                                   |              |               |            |            |                |                  |                  |
| Instrument                                                    | Manufacturer | Model No.     | Serial No. | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
| MAX Signal Analyzer                                           | Keysight     | N9010A        | MY48030494 | 2023.11.08 | 2024.11.07     | A.14.03          | N/A              |
| RF Control Unit                                               | Tonscend     | JS0806-2      | 22G8060594 | 2024.01.31 | 2025.01.30     | N/A              | N/A              |
| MXG-B RF Vector Signal Generator                              | Keysight     | N5182B        | MY61252529 | 2024.05.12 | 2025.05.11     | B.01.96          | N/A              |
| Frequency extender for EXG or MXG                             | Keysight     | N5182BX07     | MY59362500 | 2024.05.12 | 2025.05.11     | N/A              | N/A              |
| EXG-B MW Analog Signal Generator                              | Keysight     | N5173B        | MY61252566 | 2023.08.26 | 2024.08.25     | B.01.95          | N/A              |
| Test Software                                                 | Tonscend     | TS1120        | JS1120-3   | N/A        | N/A            | N/A              | V3.0.22          |

## Radiated Emission (9KHz-1GHz) / AC2

| Instrument                 | Manufacturer | Model No.    | Serial No. | Cal. Date  | Next Cal. Date | Firmware Versiom | Software version |
|----------------------------|--------------|--------------|------------|------------|----------------|------------------|------------------|
| EMI Test Receiver          | R&S          | ESCI         | 100573     | 2024.02.06 | 2025.02.05     | 4.42 SP3         | N/A              |
| Loop Antenna               | R&S          | HFH2-Z2E     | 101149     | 2024.03.27 | 2025.03.26     | N/A              | N/A              |
| Bilog Antenna              | Teseq GmbH   | CBL6112D     | 27611      | 2024.03.20 | 2025.03.19     | N/A              | N/A              |
| Coaxial Cable              | Huber+Suhner | SUCOFLEX 106 | AC2-C      | 2024.04.27 | 2025.04.26     | N/A              | N/A              |
| Temperature/Humidity Meter | RTS          | RTS-1909     | THM-021    | 2024.05.17 | 2025.05.16     | N/A              | N/A              |
| Dekra test software        | Dekra        | N/A          | N/A        | N/A        | N/A            | N/A              | 3                |

## Radiated Emission (1GHz-40GHz) / AC5

| Instrument                 | Manufacturer | Model No.          | Serial No. | Cal. Date  | Next Cal. Date | Firmware Versiom | Software version |
|----------------------------|--------------|--------------------|------------|------------|----------------|------------------|------------------|
| EXA Spectrum Analyzer      | Keysight     | N9020B             | MY60112218 | 2023.11.08 | 2024.11.07     | A.31.05          | N/A              |
| Pre-Amplifier              | SKET         | EMC184045 SE       | 980263     | 2023.07.14 | 2024.07.13     | N/A              | N/A              |
| Preamplifier               | CHENGYI      | EMC184045 SE       | 980263     | 2023.07.09 | 2024.07.08     | N/A              | N/A              |
| DRG Horn Antenna           | ETS-Lindgren | 3117               | 123988     | 2023.11.07 | 2024.11.06     | N/A              | N/A              |
| Broad-Band Horn Antenna    | Schwarzbeck  | BBHA9170           | 294        | 2024.05.30 | 2025.05.29     | N/A              | N/A              |
| Filter Switch Box          | MVE          | MSW-F196           | C070001S   | 2024.04.20 | 2025.04.19     | N/A              | N/A              |
| Coaxial Cable              | ROSENBERGER  | LA1-C011-2000/3000 | AC5-40G-2  | 2024.05.26 | 2025.05.25     | N/A              | N/A              |
| Cable                      | Rosenberger  | LA1-C011-1000      | 0523       | 2024.05.26 | 2025.05.25     | N/A              | N/A              |
| Temperature/Humidity Meter | RTS          | RTS-1909           | THM-001    | 2023.08.25 | 2024.08.24     | N/A              | N/A              |
| Temperature/Humidity Meter | RTS          | RTS-1909           | THM-024    | 2024.05.17 | 2025.05.16     | N/A              | N/A              |
| Dekra test software        | Dekra        | N/A                | N/A        | N/A        | N/A            | N/A              | 3                |

## UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. 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% .

| Test item                       | Uncertainty                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Peak Power Output               | $\pm 1.27$ dB                                                                                                                              |
| Radiated Emission(30MHz~1GHz)   | Horizontal: 30MHz~200MHz: 3.50 dB<br>300MHz~1GHz: 3.60 dB<br>Vertical: 30MHz~200MHz: 3.60 dB<br>300MHz~1GHz: 3.50 dB                       |
| Radiated Emission(1GHz~26.5GHz) | Horizontal: 1GHz~18GHz: 5.00 dB<br>Vertical: 1GHz~18GHz: 4.80 dB<br>Horizontal: 18GHz~26.5GHz: 5.30 dB<br>Vertical: 18GHz~26.5GHz: 4.90 dB |

## 1 GENERAL INFORMATION

### 1.1 General Description of the Item(s)

|                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Product Name .....                                                                                                                                                                                                                                                                                                                 | Mobile Computer                                                                                                                  |
| Model No. ....                                                                                                                                                                                                                                                                                                                     | EMC-M51                                                                                                                          |
| Trademark. ....                                                                                                                                                                                                                                                                                                                    | Elo                                                                                                                              |
| FCC ID .....                                                                                                                                                                                                                                                                                                                       | RBWEMCM51                                                                                                                        |
| IC.....                                                                                                                                                                                                                                                                                                                            | 10757B-EMCM51                                                                                                                    |
| Hardware Version .....                                                                                                                                                                                                                                                                                                             | V1.06                                                                                                                            |
| Software Version.....                                                                                                                                                                                                                                                                                                              | MT912NoGms_EQ000_2774.F53FD5F.FD20B6E.6EAD44F_240130_100_V01_T23                                                                 |
| Manufacturer.....                                                                                                                                                                                                                                                                                                                  | Elo Touch Solutions, Inc                                                                                                         |
| Manufacturer Address.....                                                                                                                                                                                                                                                                                                          | 670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.                                                                       |
| Factory .....                                                                                                                                                                                                                                                                                                                      | ShuoGe Intelligent Technology Co.,Ltd.                                                                                           |
| Factory address .....                                                                                                                                                                                                                                                                                                              | Room 308-310, Building 1, No.2 8th Road, Baiyang Street, Qiantang New Area, Hangzhou City, Zhejiang Province, P.R. China(310018) |
| Operating temperature .....                                                                                                                                                                                                                                                                                                        | -20 ~ +50℃                                                                                                                       |
| Note: This report is based on 2390782R-RF-US-P06V03. The customer stated that the new EUT has removed the WCDMA and LTE and NR modules and the rest are identical. We verified the worst channel test on the new EUT and the test results did not get worse. Therefore, this report reuses the test data of 2390782R-RF-US-P06V03. |                                                                                                                                  |

|                              |                                     |         |                                     |         |                          |                |
|------------------------------|-------------------------------------|---------|-------------------------------------|---------|--------------------------|----------------|
| Wireless Card .....          | SRM955                              |         |                                     |         |                          |                |
| Wireless specification.....  | Bluetooth (LE)                      |         |                                     |         |                          |                |
| Operating frequency range(s) | 2402~2480MHz                        |         |                                     |         |                          |                |
| Type of Modulation.....      | GFSK                                |         |                                     |         |                          |                |
| PHYS .....                   | <input checked="" type="checkbox"/> | LE 1M   | <input checked="" type="checkbox"/> | LE 2M   | <input type="checkbox"/> | LE Coded S=2/8 |
| Data Rate .....              | <input checked="" type="checkbox"/> | 1Mbit/s | <input checked="" type="checkbox"/> | 2Mbit/s | <input type="checkbox"/> | 500/125 Kbit/s |
| Number of channel.....       | 40                                  |         |                                     |         |                          |                |

|                          |                                                                                                                                                                                      |                           |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Rated power supply ..... | Voltage and Frequency                                                                                                                                                                |                           |
|                          | <input type="checkbox"/>                                                                                                                                                             | AC: 220 - 240 V, 50/60 Hz |
|                          | <input type="checkbox"/>                                                                                                                                                             | AC: 100 - 240 V, 50/60 Hz |
|                          | <input checked="" type="checkbox"/>                                                                                                                                                  | Battery: 3.8 Vdc          |
|                          | <input checked="" type="checkbox"/>                                                                                                                                                  | Adapter:                  |
| Adapter Model .....      | UES45LCP-SPC                                                                                                                                                                         |                           |
|                          | Input: 100-240 V ~ 50/60 Hz, 1.3 A<br>Output: 5.0 V / 3.0 A, 15.0 W;<br>9.0 V / 3.0 A, 27.0 W;<br>12.0 V / 3.0 A, 36.0 W;<br>15.0 V / 3.0 A, 45.0 W;<br>20.0 V / 2.25 A, 45.0 W Max; |                           |
| Mounting position.....   | <input type="checkbox"/>                                                                                                                                                             | Tabletop equipment        |

|  |                                     |                                |
|--|-------------------------------------|--------------------------------|
|  | <input type="checkbox"/>            | Wall/Ceiling mounted equipment |
|  | <input type="checkbox"/>            | Floor standing equipment       |
|  | <input checked="" type="checkbox"/> | Hand-held/Portable equipment   |
|  | <input type="checkbox"/>            | Other:                         |

## 1.2 Antenna Information

|                          |                                     |              |                                     |              |
|--------------------------|-------------------------------------|--------------|-------------------------------------|--------------|
| Antenna Delivery .....   | <input checked="" type="checkbox"/> | 1TX + 1RX    |                                     |              |
|                          | <input checked="" type="checkbox"/> | 2TX + 2RX    |                                     |              |
|                          | <input type="checkbox"/>            | Others:..... |                                     |              |
| Antenna technology ..... | <input checked="" type="checkbox"/> | SISO         |                                     |              |
|                          | <input checked="" type="checkbox"/> | MIMO         | <input checked="" type="checkbox"/> | CDD          |
|                          |                                     |              | <input type="checkbox"/>            | Beam-forming |
| Antenna Type .....       | <input type="checkbox"/>            | External     | <input type="checkbox"/>            | Dipole       |
|                          |                                     |              | <input type="checkbox"/>            | Sectorized   |
|                          | <input checked="" type="checkbox"/> | Internal     | <input type="checkbox"/>            | Monopole     |
|                          |                                     |              | <input checked="" type="checkbox"/> | PIFA         |
|                          |                                     |              | <input type="checkbox"/>            | Others       |
| Antenna Gain.....        | -1.50 dBi                           |              |                                     |              |

### 1.3 Channel List

| Bluetooth Working Frequency of Each Channel: (For LE) |           |         |           |         |           |         |           |
|-------------------------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                                               | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 00                                                    | 2402 MHz  | 01      | 2404 MHz  | 02      | 2406 MHz  | 03      | 2408 MHz  |
| 04                                                    | 2410 MHz  | 05      | 2412 MHz  | 06      | 2414 MHz  | 07      | 2416 MHz  |
| 08                                                    | 2418 MHz  | 09      | 2420 MHz  | 10      | 2422 MHz  | 11      | 2424 MHz  |
| 12                                                    | 2426 MHz  | 13      | 2428 MHz  | 14      | 2430 MHz  | 15      | 2432 MHz  |
| 16                                                    | 2434 MHz  | 17      | 2436 MHz  | 18      | 2438 MHz  | 19      | 2440 MHz  |
| 20                                                    | 2442 MHz  | 21      | 2444 MHz  | 22      | 2446 MHz  | 23      | 2448 MHz  |
| 24                                                    | 2450 MHz  | 25      | 2452 MHz  | 26      | 2454 MHz  | 27      | 2456 MHz  |
| 28                                                    | 2458 MHz  | 29      | 2460 MHz  | 30      | 2462 MHz  | 31      | 2464 MHz  |
| 32                                                    | 2466 MHz  | 33      | 2468 MHz  | 34      | 2470 MHz  | 35      | 2472 MHz  |
| 36                                                    | 2474 MHz  | 37      | 2476 MHz  | 38      | 2478 MHz  | 39      | 2480 MHz  |

Note: The General Description of the Item , antenna information and Channel List for the EUT in clause 1 are provided and confirmed by the client.

## 2 DESCRIPTION OF TEST SETUP

### 2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

|                         |                              |
|-------------------------|------------------------------|
| Test Mode For Bluetooth | Mode 1: Transmit by LE_1Mbps |
|                         | Mode 2: Transmit by LE_2Mbps |

Note 1: Regards to the frequency band operation: the lowest, middle and highest frequency channel were selected to perform the test, then shown on this report.

Note 2: For portable device, radiated tests was verified over X, Y, Z axis, and shown the worst case on this report.

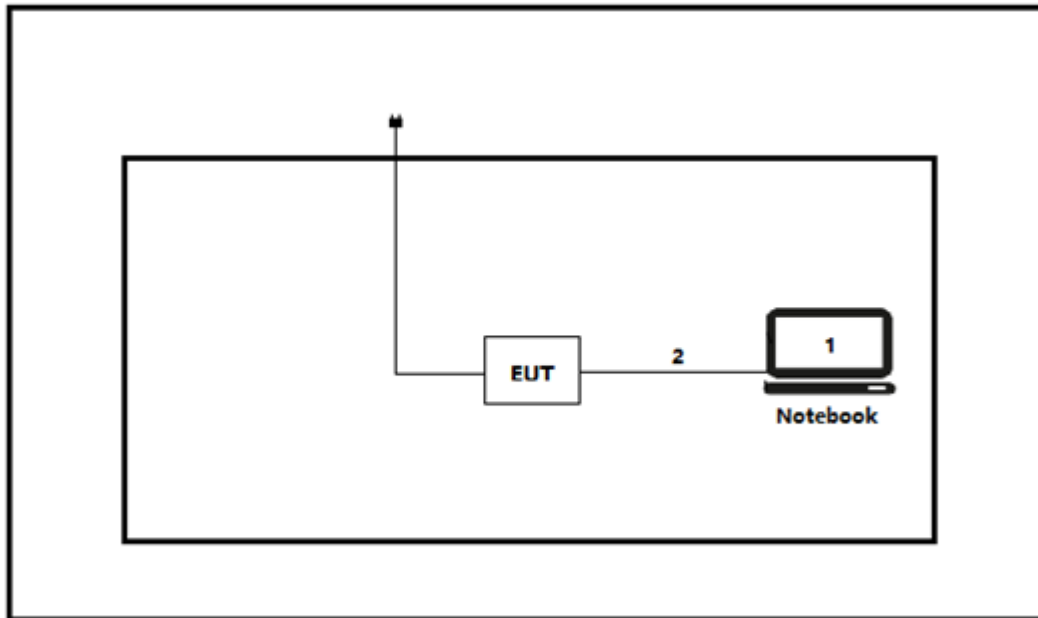
### 2.2 Auxiliary equipment / Test software for the EUT

| Auxiliary equipment   | Type / Version | Manufacturer | Supplied by |
|-----------------------|----------------|--------------|-------------|
| (1) Notebook          | Think pad x220 | Lenovo       | Adapter     |
| (2) USB Control Cable | N/A            | N/A          | N/A         |
| (3) USB Control Cable | N/A            | N/A          | N/A         |
| software              | Type / Version | Manufacturer | Supplied by |
| QRCT                  | V4.0           | N/A          | N/A         |

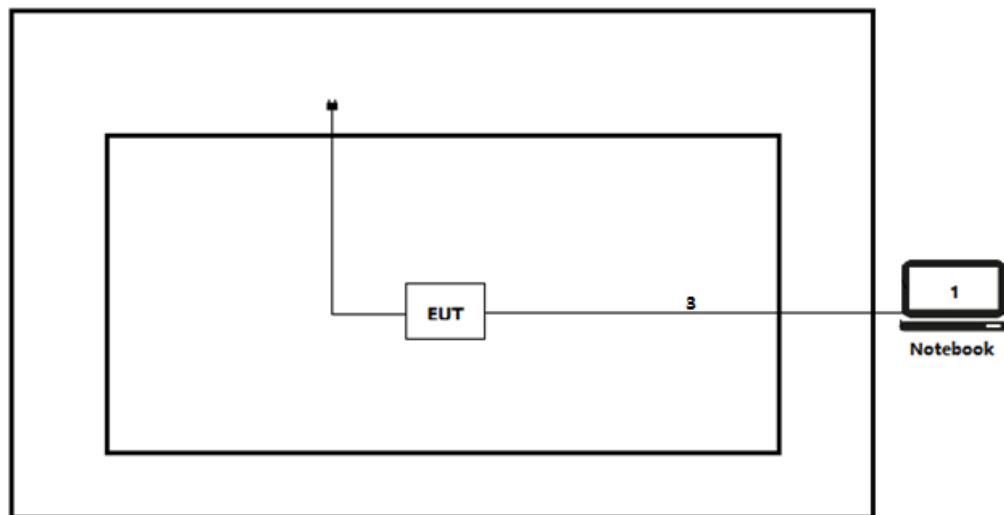
| Accessories Information | Cable                          |                                     |                                     |
|-------------------------|--------------------------------|-------------------------------------|-------------------------------------|
|                         | Length used during test<br>[m] | Attached during<br>test             | Shielded                            |
| (2)USB Control Cable    | 1                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| (3)USB Control Cable    | 8                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

## 2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- Conducted test



Test setup Diagram- Radiated Emission



## 2.4 Testing process

|   |                                                               |
|---|---------------------------------------------------------------|
| 1 | Setup the EUT shown in Section 2.3.                           |
| 2 | Execute the [QRCT]on the notebook.                            |
| 3 | Configure the test mode, the test channel, and the data rate. |
| 4 | Verify that the EUT works properly.                           |

### 3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

#### 3.1 Standards

| Standard                    | Year | Description                                                                                                                  |
|-----------------------------|------|------------------------------------------------------------------------------------------------------------------------------|
| CFR 47, FCC Part 15 C       | 2024 | Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.                                                  |
| ANSI C63.10                 | 2013 | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices                               |
| RSS-Gen Issue 5 Amendment 2 | 2021 | General Requirements for Compliance of Radio Apparatus                                                                       |
| RSS-247 Issue 3             | 2023 | Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSS) and Licence-Exempt Local Area Network (LE-LAN) Devices |

#### 3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

*(Please define the deviations from the standard(s) if applicable)*

### 3.3 Overview of results

| Requirement – Test Item of FCC | Standard(s)              | Verdict | Remark                                      |
|--------------------------------|--------------------------|---------|---------------------------------------------|
| Maximum Conducted Output Power | 15.247 (b)(3)            | PASS    | Test data please refer to <b>Appendix A</b> |
| Emissions in Restricted Bands  | FCC 15.205<br>FCC 15.209 | PASS    | Test data please refer to <b>Appendix B</b> |

| Requirement – Test case of ISCED | Standard(s)                         | Verdict | Remark                                      |
|----------------------------------|-------------------------------------|---------|---------------------------------------------|
| Maximum Conducted Output Power   | RSS-247 Issue 3<br>Paragraph 5.4(d) | PASS    | Test data please refer to <b>Appendix A</b> |
| Emissions in Restricted Bands    | RSS-Gen Issue 5<br>Paragraph 8.9    | PASS    | Test data please refer to <b>Appendix B</b> |

### 3.4 Power setting in test

| Mode  | Channel | Frequency (MHz) | Power setting |
|-------|---------|-----------------|---------------|
| Mode1 | 00      | 2402            | Default       |
|       | 19      | 2440            | Default       |
|       | 39      | 2480            | Default       |
| Mode2 | 00      | 2402            | Default       |
|       | 19      | 2440            | Default       |
|       | 39      | 2480            | Default       |

### 3.5 Test Matrix

| Test item                                                                                                                                                                                                                                                                           | Model: EMC-M51                      |                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
|                                                                                                                                                                                                                                                                                     | 1(#1)                               | 2(#2)                               |
| Maximum Conducted Output Power                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Emissions in Restricted Bands                                                                                                                                                                                                                                                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Note1: The only difference between sample #1 and sample #2 is whether to keep the original antenna, sample #1 is a conduction test product that removes the original antenna and is equipped with SMA wires, and sample #2 is a complete product that retains the original antenna. |                                     |                                     |

### 3.6 Test Facility

|     |   |                                |
|-----|---|--------------------------------|
| USA | : | FCC Designation Number: CN1199 |
| CA  | : | ISED CAB identifier: CN0040    |

## 4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

### 4.1 Maximum Conducted Output Power

**VERDICT: PASS**

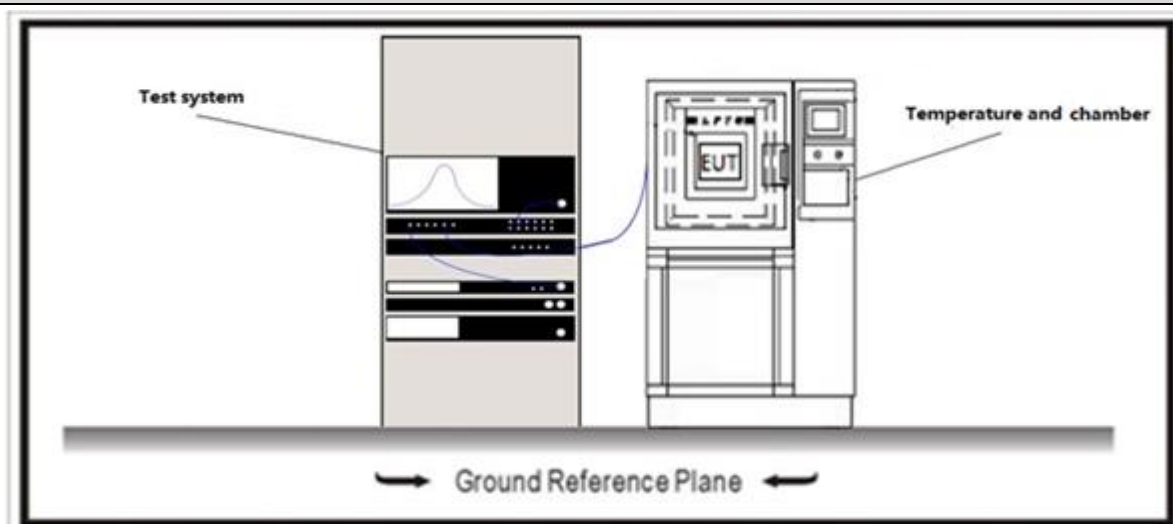
#### 4.1.1 Limit

| Standard                            |                                                         | FCC Part 15 Subpart C Paragraph 15.247 (b)(3);<br>RSS-247 Issue 3 Paragraph 5.4(d). |
|-------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | GTX < 6dBi                                              | Pout ≤ 30dBm                                                                        |
| <input type="checkbox"/>            | GTX > 6dBi                                              |                                                                                     |
| <input type="checkbox"/>            | Non-Fix point-point                                     | Pout ≤ 30 - (GTX - 6)                                                               |
| <input type="checkbox"/>            | Fix point-point                                         | Pout ≤ 30 - [(GTX - 6)]/3                                                           |
| <input type="checkbox"/>            | Point-to-multipoint                                     | Pout ≤ 30 - (GTX - 6)                                                               |
| <input type="checkbox"/>            | Overlap Beams                                           | Pout ≤ 30 - [(GTX - 6)]/3                                                           |
| <input type="checkbox"/>            | Aggregate power transmitted simultaneously on all beams | Pout ≤ 30 - [(GTX - 6)]/3                                                           |
| <input type="checkbox"/>            | single directional beam                                 | Pout ≤ 30 - [(GTX - 6)]/3 + 8dB                                                     |

Note 1 : GTX directional gain of transmitting antennas.

Note 2 : Pout is maximum peak conducted output power .

#### 4.1.2 Test Setup



#### 4.1.3 Test Procedure

|                                     | References Rule                     |                                     |                                     | Chapter     | Description                       |                                          |                                            |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------|-----------------------------------|------------------------------------------|--------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10                         |                                     |                                     | 11.9        | Fundamental emission output power |                                          |                                            |
|                                     | <input type="checkbox"/>            | ANSI C63.10                         |                                     |             | 11.9.1                            | Maximum peak conducted output power      |                                            |
|                                     |                                     | <input type="checkbox"/>            | ANSI C63.10                         | 11.9.1.1    | RBW ≥ DTS bandwidth               |                                          |                                            |
|                                     |                                     | <input type="checkbox"/>            | ANSI C63.10                         | 11.9.1.2    | Integrated band power method      |                                          |                                            |
|                                     |                                     | <input type="checkbox"/>            | ANSI C63.10                         | 11.9.1.3    | PKPM1 Peak power meter method     |                                          |                                            |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10                         |                                     |             | 11.9.2                            | Maximum conducted (average) output power |                                            |
|                                     |                                     | <input type="checkbox"/>            | ANSI C63.10                         |             |                                   | 11.9.2.2                                 | Measurement using a spectrum analyzer (SA) |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.9.2.2.2                        | Method AVGSA-1(Duty cycle ≥98%)          |                                            |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.9.2.2.3                        | Method AVGSA-1A(Duty cycle ≥98%)         |                                            |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.9.2.2.4                        | Method AVGSA-2(Duty cycle ≤98%)          |                                            |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.9.2.2.5                        | Method AVGSA-2A(Duty cycle ≤98%)         |                                            |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.9.2.2.4                        | Method AVGSA-3                           |                                            |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.9.2.2.5                        | Method AVGSA-3A                          |                                            |
|                                     |                                     | <input checked="" type="checkbox"/> | ANSI C63.10                         |             |                                   | 11.9.2.3                                 | Measurement using a power meter (PM)       |
|                                     |                                     |                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 11.9.2.3.1                        | Method AVGPM                             |                                            |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.9.2.3.2                        | Method AVGPM-G                           |                                            |

**4.2 Emissions in Restricted Bands****VERDICT: PASS****4.2.1 Limit****Standard** FCC Part 15 Subpart C Paragraph 15.205

## Restricted Bands of operation

| Frequency (MHz)     | Frequency (MHz)       | Frequency (MHz) | Frequency (GHz) |
|---------------------|-----------------------|-----------------|-----------------|
| 0.090 – 0.110       | 16.42 – 16.423        | 399.9 – 410     | 4.5 – 5.15      |
| 0.495 – 0.505       | 16.69475 – 16.69525   | 608 – 614       | 5.35 – 5.46     |
| 2.1735 – 2.1905     | 16.80425 – 16.80475   | 960 – 1240      | 7.25 – 7.75     |
| 4.125 – 4.128       | 25.5 – 25.67          | 1300 – 1427     | 8.025 – 8.5     |
| 4.17725 – 4.17775   | 37.5 – 38.25          | 1435 – 1626.5   | 9.0 – 9.2       |
| 4.20725 – 4.20775   | 73 – 74.6             | 1645.5 – 1646.5 | 9.3 – 9.5       |
| 6.215 – 6.218       | 74.8 – 75.2           | 1660 – 1710     | 10.6 – 12.7     |
| 6.26775 – 6.26825   | 108 – 121.94          | 1718.8 – 1722.2 | 13.25 – 13.4    |
| 6.31175 – 6.31225   | 123 – 138             | 2200 – 2300     | 14.47 – 14.5    |
| 8.291 – 8.294       | 149.9 – 150.05        | 2310 – 2390     | 15.35 – 16.2    |
| 8.362 – 8.366       | 156.52475 – 156.52525 | 2483.5 – 2500   | 17.7 – 21.4     |
| 8.37625 – 8.38675   | 156.7 – 156.9         | 2690 – 2900     | 22.01 – 23.12   |
| 8.81425 – 8.81475   | 162.0125 – 167.17     | 3260 – 3267     | 23.6 – 24.0     |
| 12.29 – 12.293      | 167.72 – 173.2        | 3332 – 3339     | 31.2 – 31.8     |
| 12.51975 – 12.52025 | 240 – 285             | 3345.8 – 3358   | 36.43 – 36.5    |
| 12.57675 – 12.57725 | 322 – 335.4           | 3600 – 4400     |                 |
| 13.36 – 13.41       |                       |                 |                 |

**Standard** RSS-Gen Issue 5 Paragraph 8.10

## Restricted Bands of operation for IC

|                     |                       |                 |               |
|---------------------|-----------------------|-----------------|---------------|
| 0.090 - 0.110       | 13.36 - 13.41         | 960 - 1427      | 9.0 - 9.2     |
| 0.495 - 0.505       | 16.42 - 16.423        | 1435 - 1626.5   | 9.3 - 9.5     |
| 2.1735 - 2.1905     | 16.69475 - 16.69525   | 1645.5 - 1646.5 | 10.6 - 12.7   |
| 3.020 - 3.026       | 16.80425 - 16.80475   | 1660 - 1710     | 13.25 - 13.4  |
| 4.125 - 4.128       | 25.5 - 25.67          | 1718.8 - 1722.2 | 14.47 - 14.5  |
| 4.17725 - 4.17775   | 37.5 - 38.25          | 2200 - 2300     | 15.35 - 16.2  |
| 4.20725 - 4.20775   | 73 - 74.6             | 2310 - 2390     | 17.7 - 21.4   |
| 5.677 - 5.683       | 74.8 - 75.2           | 2483.5 - 2500   | 22.01 - 23.12 |
| 6.215 - 6.218       | 108 - 138             | 2655 - 2900     | 23.6 - 24.0   |
| 6.26775 - 6.26825   | 149.9 - 150.05        | 3260 - 3267     | 31.2 - 31.8   |
| 6.31175 - 6.31225   | 156.52475 - 156.52525 | 3332 - 3339     | 36.43 - 36.5  |
| 8.291 - 8.294       | 156.7 - 156.9         | 3345.8 - 3358   | Above 38.6    |
| 8.362 - 8.366       | 162.0125 - 167.17     | 3500 - 4400     |               |
| 8.37625 - 8.38675   | 167.72 - 173.2        | 4500 - 5150     |               |
| 8.41425 - 8.41475   | 240 - 285             | 5350 - 5460     |               |
| 12.29 - 12.293      | 322 - 335.4           | 7250 - 7750     |               |
| 12.51975 - 12.52025 | 399.9 - 410           | 8025 - 8500     |               |
| 12.57675 - 12.57725 | 608 - 614             | --              |               |

## Restricted Band Emissions Limit

## FCC Part 15 Subpart C Paragraph 15.209

| Frequency (MHz) | Field strength ( $\mu\text{V/m}$ ) | Field strength ( $\text{dB}\mu\text{V/m}$ ) | Measurement distance (m) |
|-----------------|------------------------------------|---------------------------------------------|--------------------------|
| 0.009 - 0.49    | $2400/F(\text{kHz})$               | 48.5 – 13.8                                 | 300 <sub>(Note 1)</sub>  |
| 0.49 - 1.705    | $24000/F(\text{kHz})$              | 33.8 - 23                                   | 30 <sub>(Note 1)</sub>   |
| 1.705 - 30      | 30                                 | 29.5                                        | 30 <sub>(Note 1)</sub>   |
| 30 - 88         | 100                                | 40                                          | 3 <sub>(Note 2)</sub>    |
| 88 - 216        | 150                                | 43.5                                        | 3 <sub>(Note 2)</sub>    |
| 216 - 960       | 200                                | 46                                          | 3 <sub>(Note 2)</sub>    |
| Above 960       | 500                                | 54                                          | 3 <sub>(Note 2)</sub>    |

## RSS-Gen Issue 5 Paragraph 8.9.

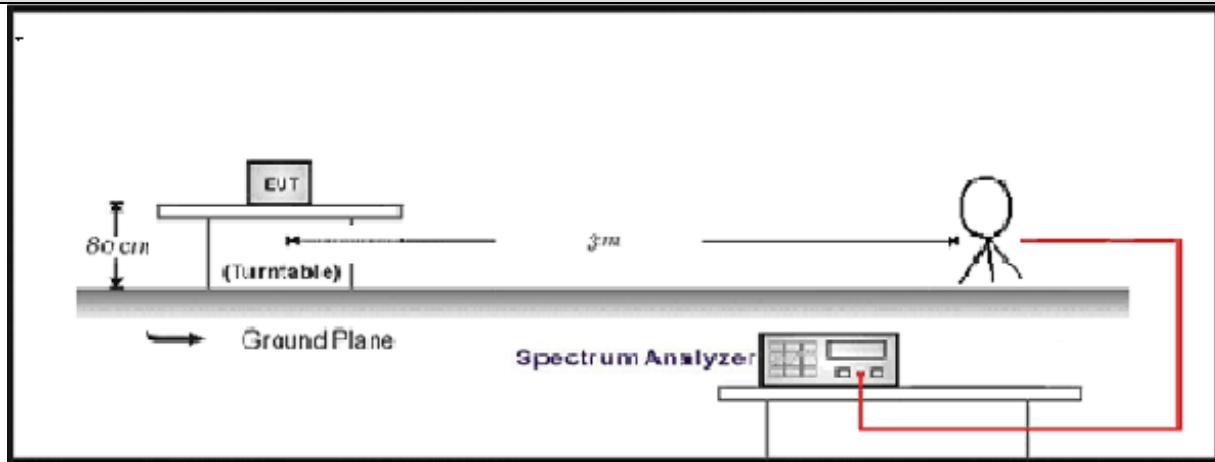
| Frequency (MHz) | Field strength                     | Field strength ( $\text{dB}\mu\text{V/m}$ ) | Measurement distance (m) |
|-----------------|------------------------------------|---------------------------------------------|--------------------------|
| 0.009 - 0.49    | $6.37/F(\text{kHz}) \mu\text{A/m}$ | 48.5 – 13.8                                 | 300 <sub>(Note 1)</sub>  |
| 0.49 - 1.705    | $63.7/F(\text{kHz}) \mu\text{A/m}$ | 33.8 - 23                                   | 30 <sub>(Note 1)</sub>   |
| 1.705 - 30      | $30 \mu\text{V/m}$                 | 29.5                                        | 30 <sub>(Note 1)</sub>   |
| 30 - 88         | $100 \mu\text{V/m}$                | 40                                          | 3 <sub>(Note 2)</sub>    |
| 88 - 216        | $150 \mu\text{V/m}$                | 43.5                                        | 3 <sub>(Note 2)</sub>    |
| 216 - 960       | $200 \mu\text{V/m}$                | 46                                          | 3 <sub>(Note 2)</sub>    |
| Above 960       | $500 \mu\text{V/m}$                | 54                                          | 3 <sub>(Note 2)</sub>    |

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

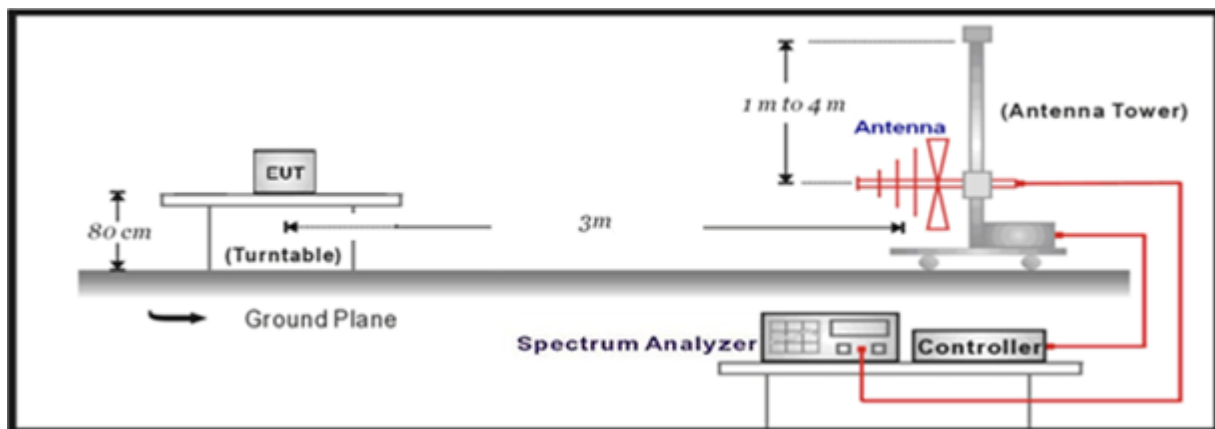
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

## 4.2.2 Test Setup

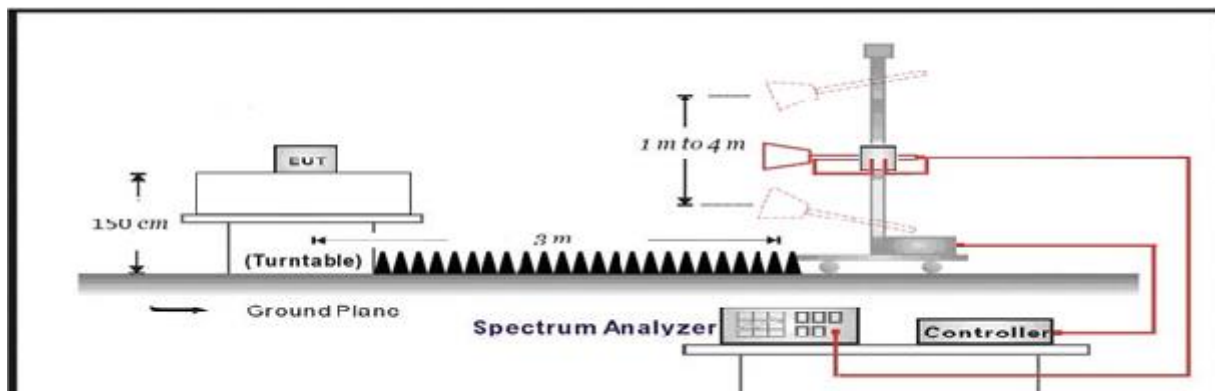
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



#### 4.2.3 Test Procedure

|                                     | References Rule                     |             | Chapter   | Description                                                                                      |
|-------------------------------------|-------------------------------------|-------------|-----------|--------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10                         |             | 11.12     | Emissions in restricted frequency bands                                                          |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 11.12.1   | Radiated emission measurements                                                                   |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 11.12.2.7 | Radiated spurious emission test                                                                  |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.4       | Radiated emissions from unlicensed wireless devices below 30 MHz                                 |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.5       | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.6       | Radiated emissions from unlicensed wireless devices above 1 GHz                                  |

---

## 5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

## 6 TEST RESULT

### Appendix A: Maximum Conducted Output Power

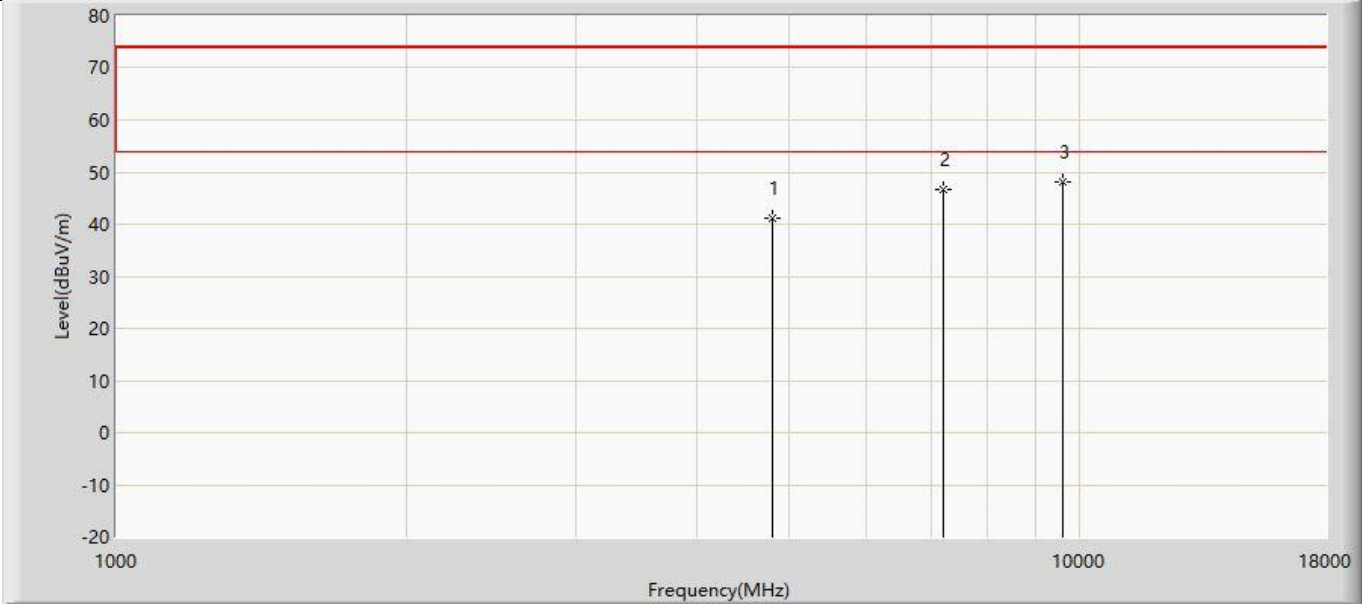
| Test Mode | Frequency (MHz) | Measured Power (dBm) | EIRP (dBm) | Conducted Limit[dBm] | EIRP Limit (dBm) |
|-----------|-----------------|----------------------|------------|----------------------|------------------|
| Mode1     | 2402            | 4.18                 | 2.68       | $\leq 30$            | $\leq 36$        |
|           | 2440            | 3.72                 | 2.22       | $\leq 30$            | $\leq 36$        |
|           | 2480            | 2.56                 | 1.06       | $\leq 30$            | $\leq 36$        |
| Mode2     | 2402            | 4.12                 | 2.62       | $\leq 30$            | $\leq 36$        |
|           | 2440            | 3.58                 | 2.08       | $\leq 30$            | $\leq 36$        |
|           | 2480            | 2.36                 | 0.86       | $\leq 30$            | $\leq 36$        |

Note 1: EIRP=Measured power+Antenna gain

Note 2: The antenna gain please refer to clause 1.2

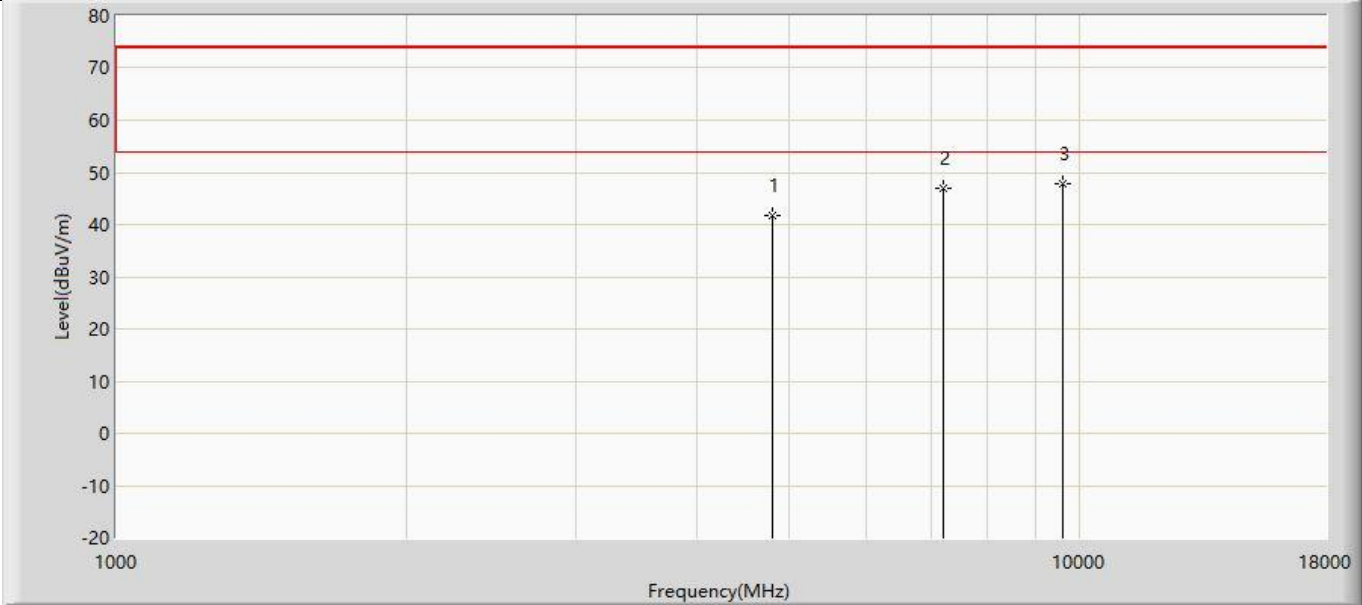
Appendix B: Emissions in Restricted Bands

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 13             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 18:58 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 1: Transmit at 2402MHz by LE_1Mbps |                          |



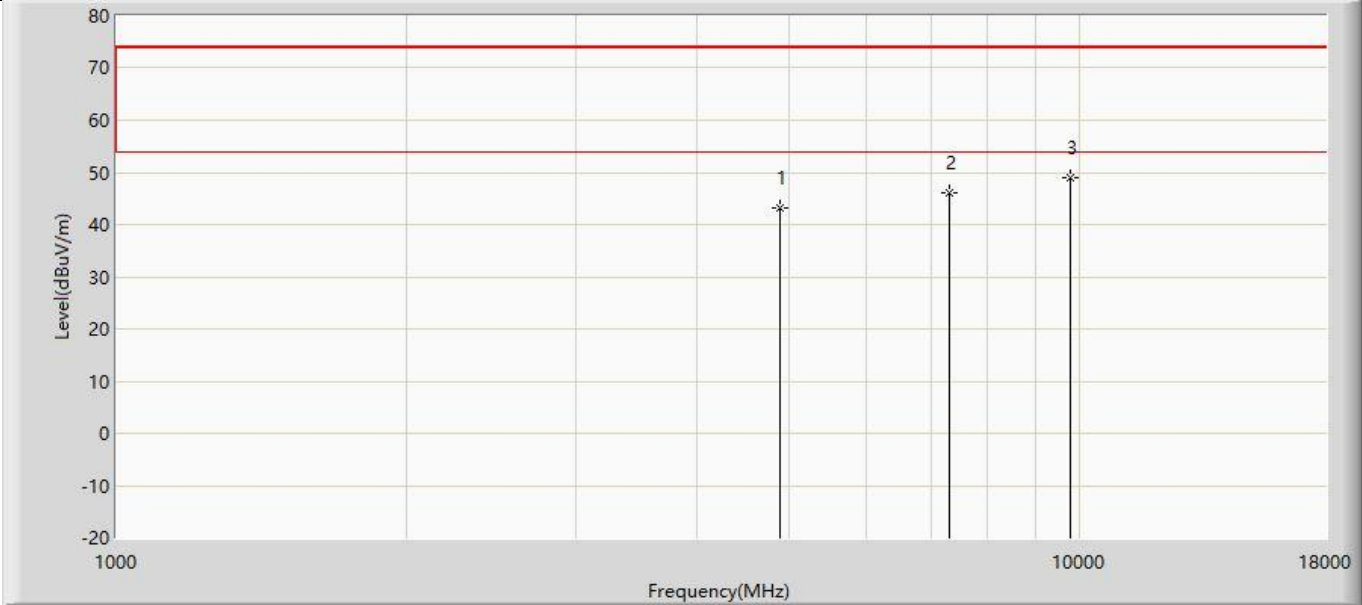
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 41.173                 | 53.061               | -32.827         | 74.000         | -11.888     | PK   |
| 2  |      | 7206.000        | 46.677                 | 52.843               | -27.323         | 74.000         | -6.166      | PK   |
| 3  | *    | 9608.000        | 48.259                 | 51.482               | -25.741         | 74.000         | -3.222      | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 14             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 18:58 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 1: Transmit at 2402MHz by LE_1Mbps |                          |



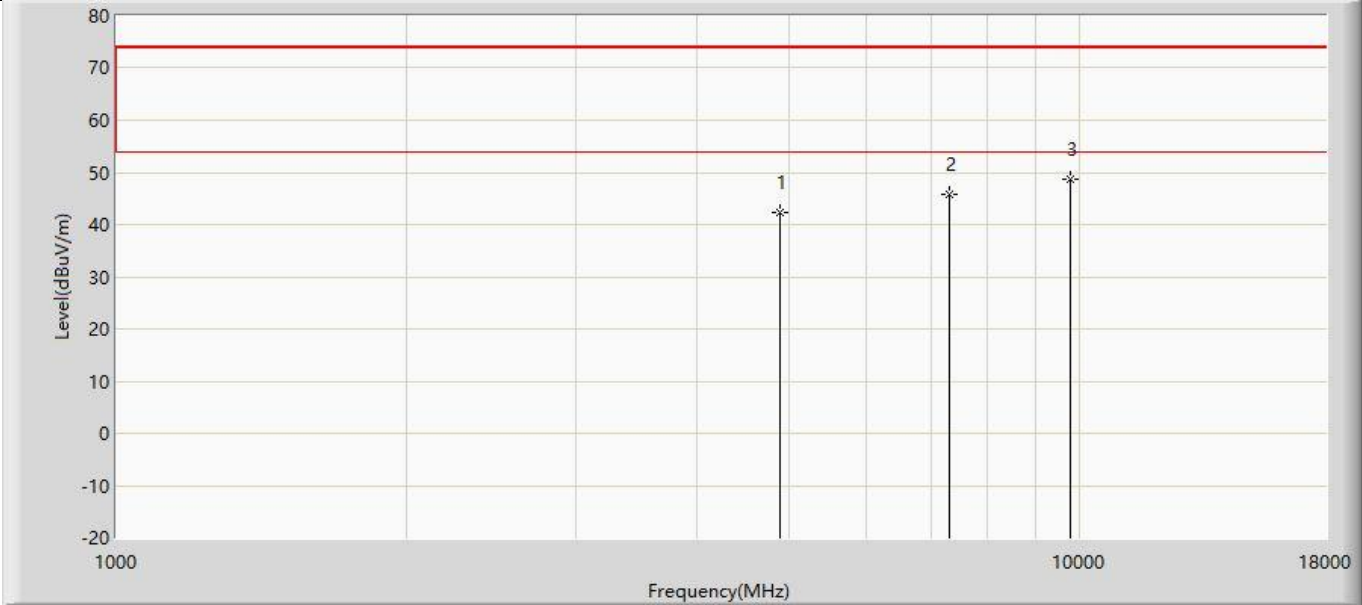
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 41.780                 | 53.668               | -32.220         | 74.000         | -11.888     | PK   |
| 2  |      | 7206.000        | 46.910                 | 53.076               | -27.090         | 74.000         | -6.166      | PK   |
| 3  | *    | 9608.000        | 47.837                 | 51.060               | -26.163         | 74.000         | -3.222      | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 15             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 18:58 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 1: Transmit at 2440MHz by LE_1Mbps |                          |



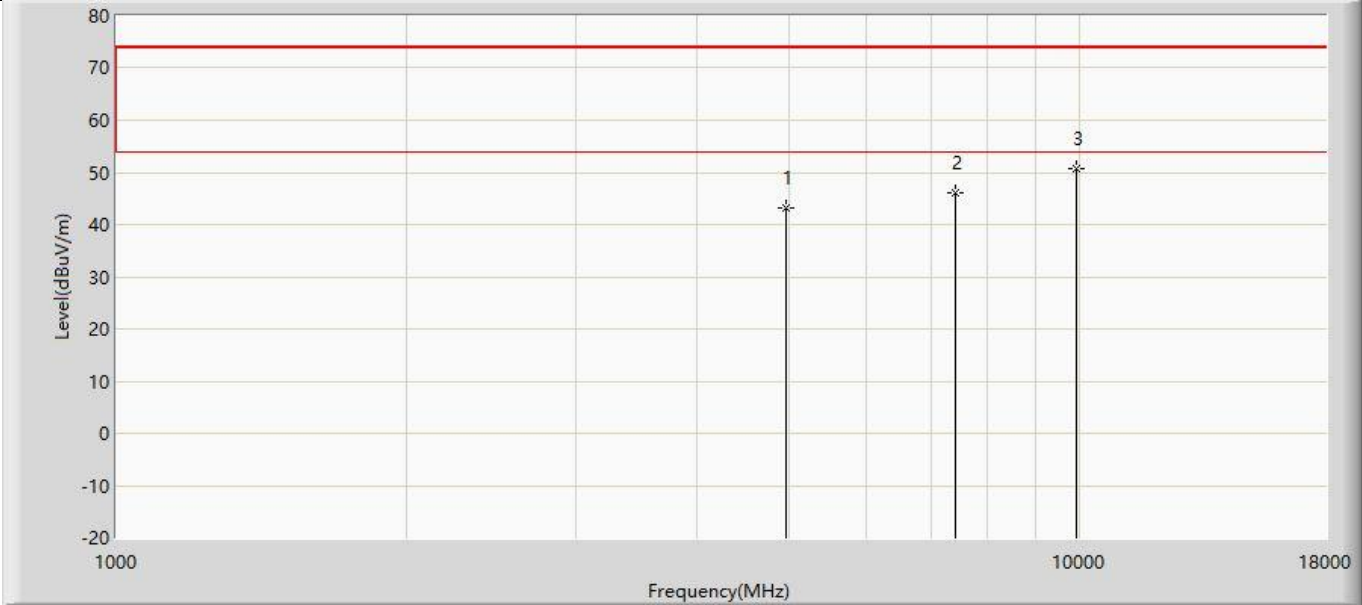
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4880.000        | 43.295                 | 53.899               | -30.705         | 74.000         | -10.603     | PK   |
| 2  |      | 7320.000        | 46.150                 | 53.077               | -27.850         | 74.000         | -6.927      | PK   |
| 3  | *    | 9760.000        | 48.859                 | 51.732               | -25.141         | 74.000         | -2.874      | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 16             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 18:58 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 1: Transmit at 2440MHz by LE_1Mbps |                          |



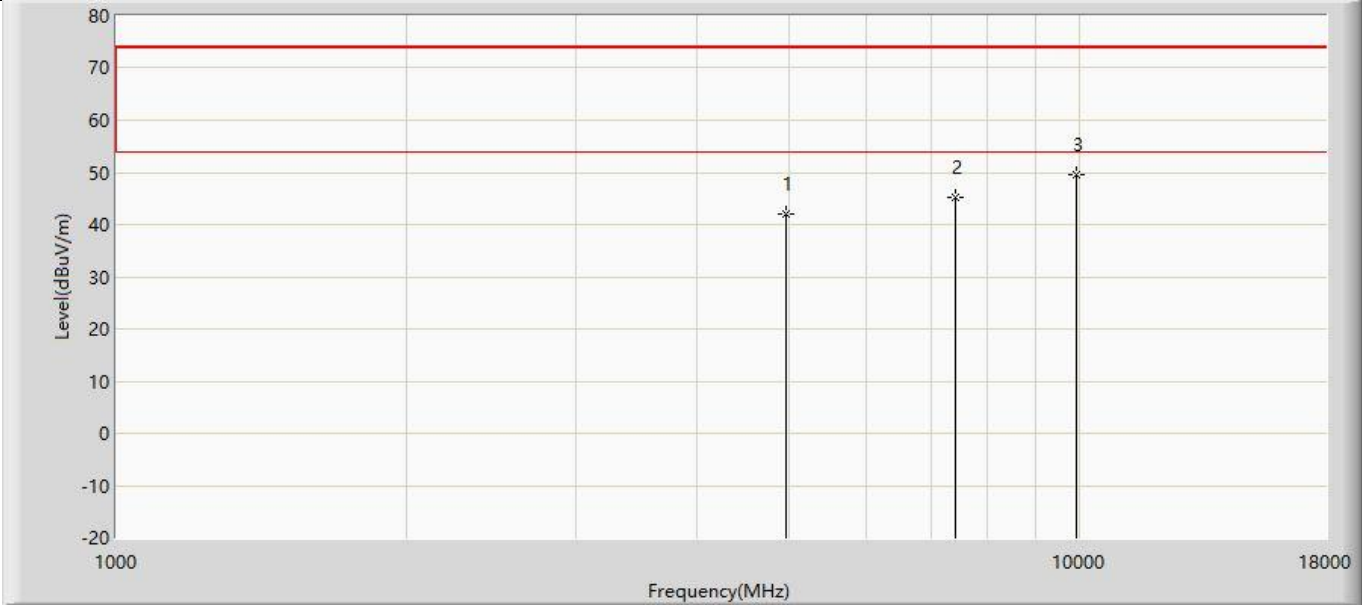
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4880.000        | 42.388                 | 52.992               | -31.612         | 74.000         | -10.603     | PK   |
| 2  |      | 7320.000        | 45.654                 | 52.581               | -28.346         | 74.000         | -6.927      | PK   |
| 3  | *    | 9760.000        | 48.792                 | 51.665               | -25.208         | 74.000         | -2.874      | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 17             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 19:07 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 1: Transmit at 2480MHz by LE_1Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4960.000        | 43.071                 | 53.777               | -30.929         | 74.000         | -10.707     | PK   |
| 2  |      | 7440.000        | 46.204                 | 52.983               | -27.796         | 74.000         | -6.779      | PK   |
| 3  | *    | 9920.000        | 50.652                 | 52.474               | -23.348         | 74.000         | -1.821      | PK   |

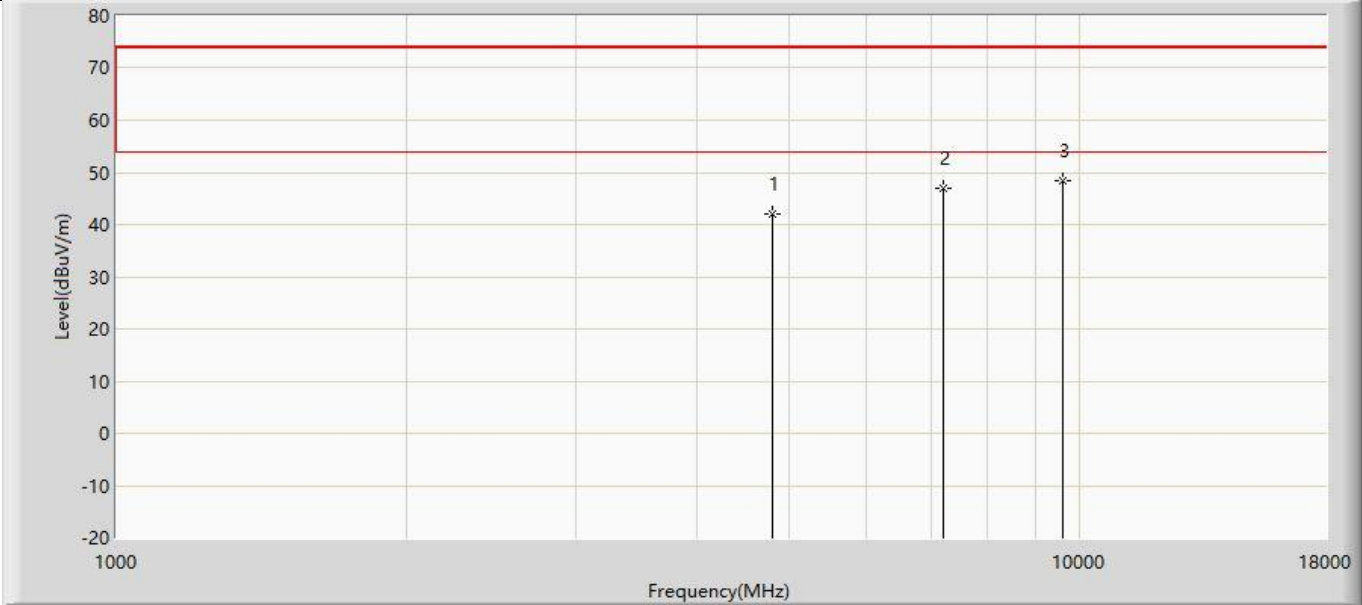
|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 18             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 19:07 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 1: Transmit at 2480MHz by LE_1Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4960.000        | 42.143                 | 52.849               | -31.857         | 74.000         | -10.707     | PK   |
| 2  |      | 7440.000        | 45.272                 | 52.051               | -28.728         | 74.000         | -6.779      | PK   |
| 3  | *    | 9920.000        | 49.574                 | 51.396               | -24.426         | 74.000         | -1.821      | PK   |

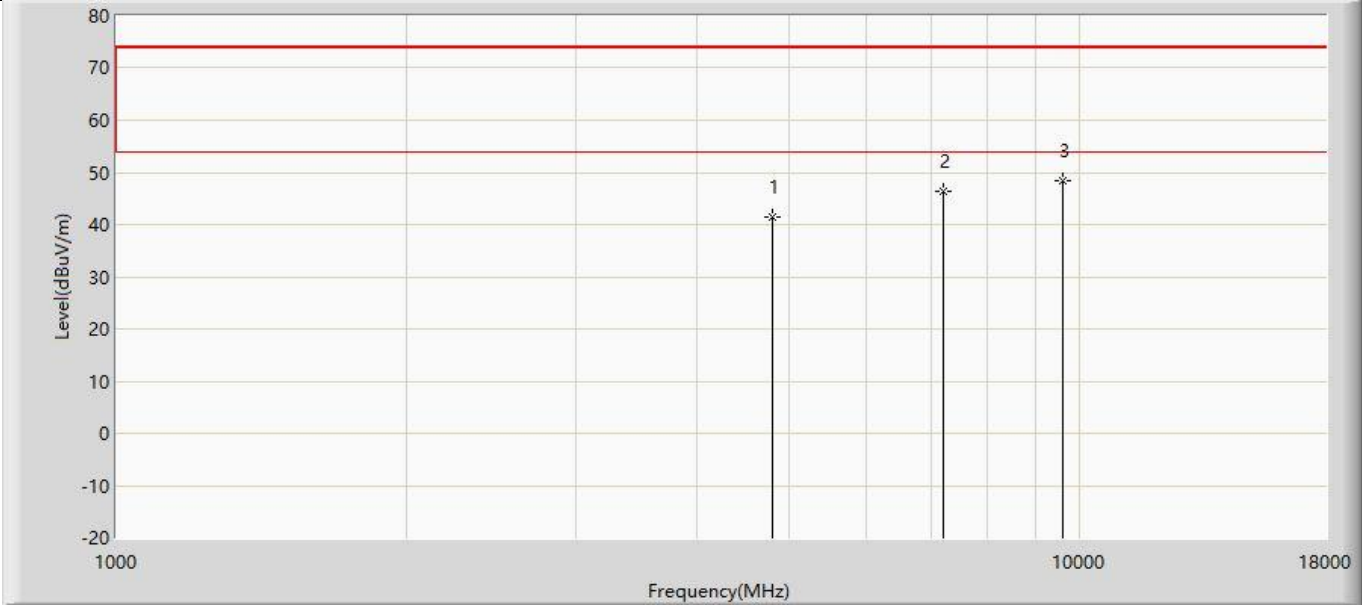


|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 19             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 19:07 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 2: Transmit at 2402MHz by LE_2Mbps |                          |



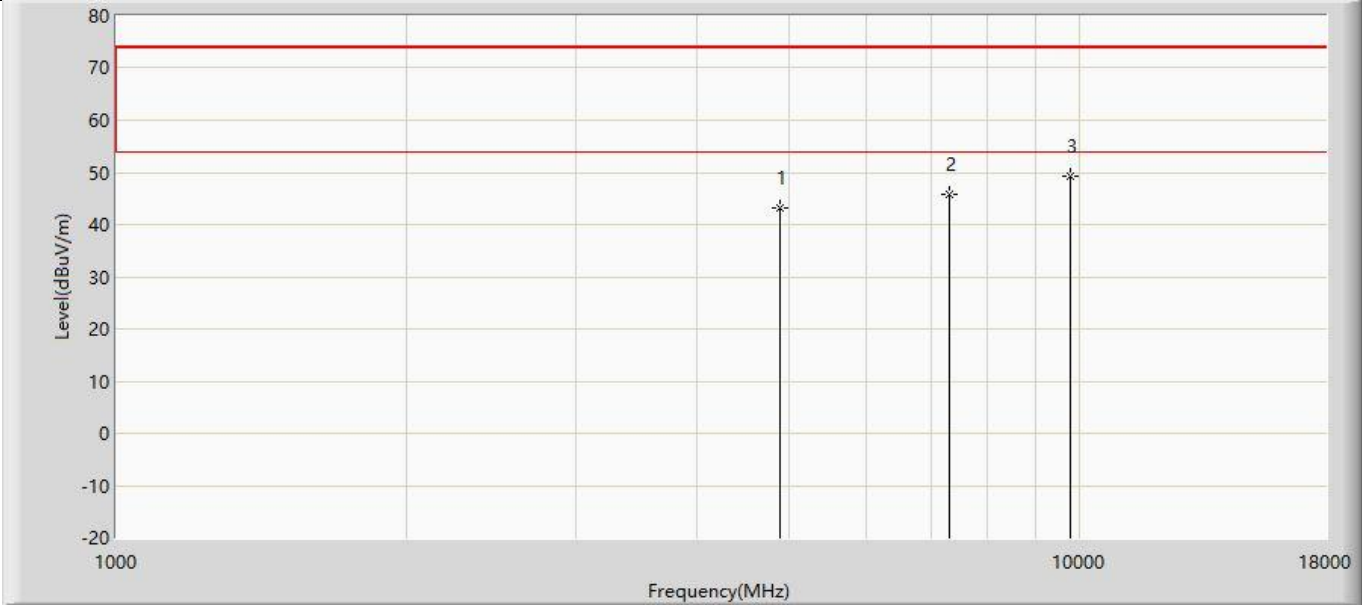
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 41.940                 | 53.828               | -32.060         | 74.000         | -11.888     | PK   |
| 2  |      | 7206.000        | 47.085                 | 53.251               | -26.915         | 74.000         | -6.166      | PK   |
| 3  | *    | 9608.000        | 48.345                 | 51.568               | -25.655         | 74.000         | -3.222      | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 20             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 19:07 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 2: Transmit at 2402MHz by LE_2Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 41.418                 | 53.306               | -32.582         | 74.000         | -11.888     | PK   |
| 2  |      | 7206.000        | 46.417                 | 52.583               | -27.583         | 74.000         | -6.166      | PK   |
| 3  | *    | 9608.000        | 48.533                 | 51.756               | -25.467         | 74.000         | -3.222      | PK   |

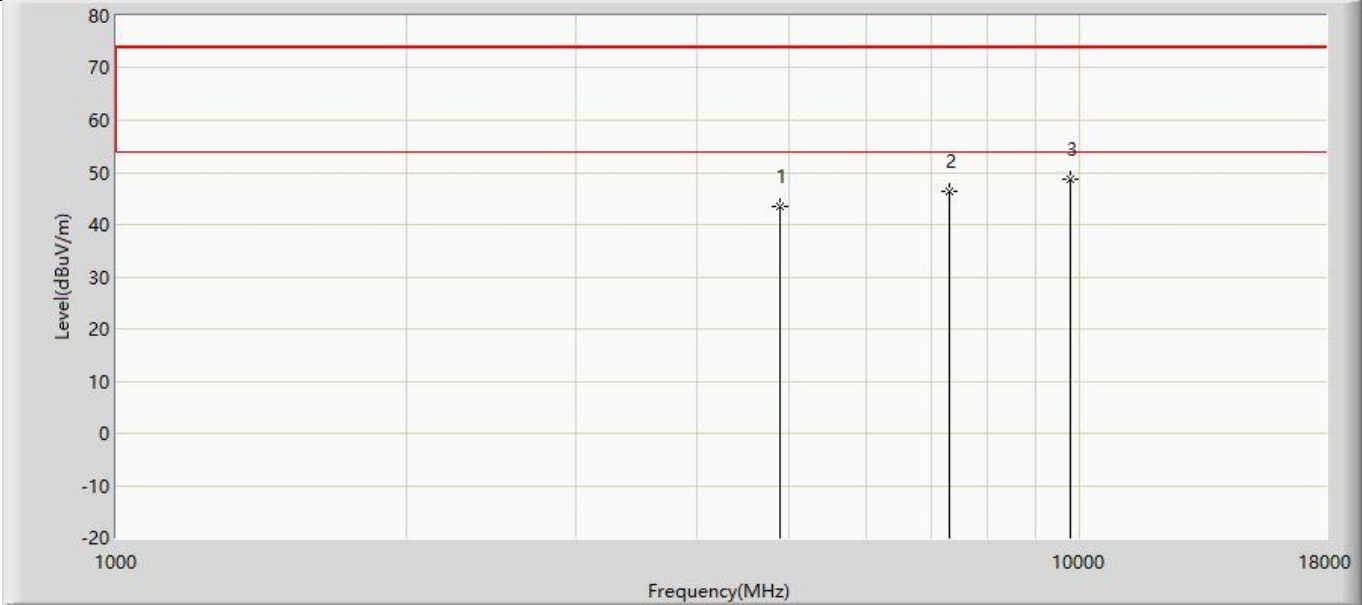
|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 21             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 19:07 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 2: Transmit at 2440MHz by LE_2Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4880.000        | 43.287                 | 53.891               | -30.713         | 74.000         | -10.603     | PK   |
| 2  |      | 7320.000        | 45.734                 | 52.661               | -28.266         | 74.000         | -6.927      | PK   |
| 3  | *    | 9760.000        | 49.144                 | 52.017               | -24.856         | 74.000         | -2.874      | PK   |



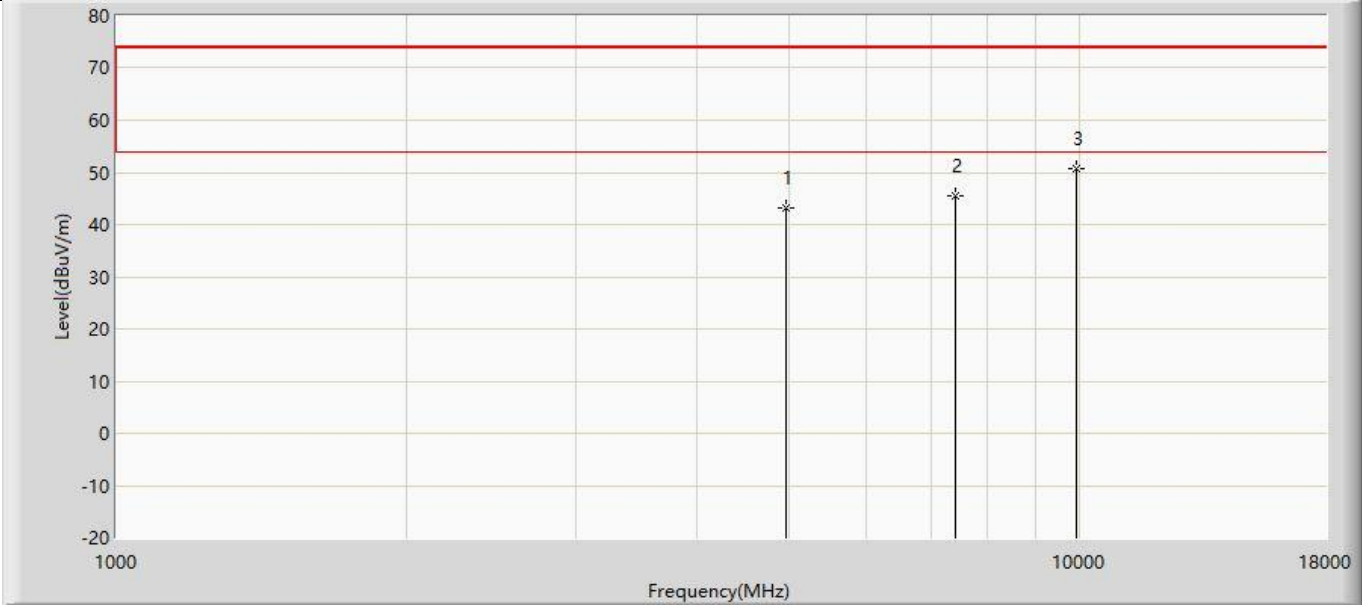
|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 22             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 19:07 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 2: Transmit at 2440MHz by LE_2Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4880.000        | 43.577                 | 54.181               | -30.423         | 74.000         | -10.603     | PK   |
| 2  |      | 7320.000        | 46.307                 | 53.234               | -27.693         | 74.000         | -6.927      | PK   |
| 3  | *    | 9760.000        | 48.747                 | 51.620               | -25.253         | 74.000         | -2.874      | PK   |



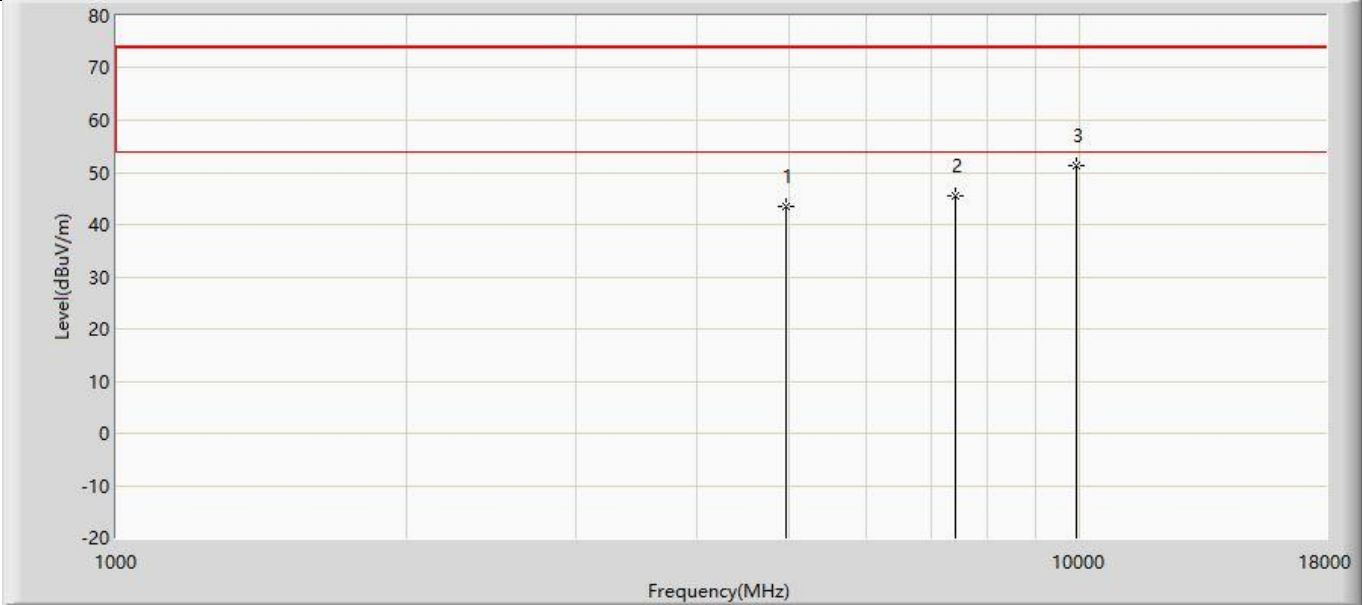
|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 23             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 19:07 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 2: Transmit at 2480MHz by LE_2Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4960.000        | 43.178                 | 53.884               | -30.822         | 74.000         | -10.707     | PK   |
| 2  |      | 7440.000        | 45.540                 | 52.319               | -28.460         | 74.000         | -6.779      | PK   |
| 3  | *    | 9920.000        | 50.743                 | 52.565               | -23.257         | 74.000         | -1.821      | PK   |



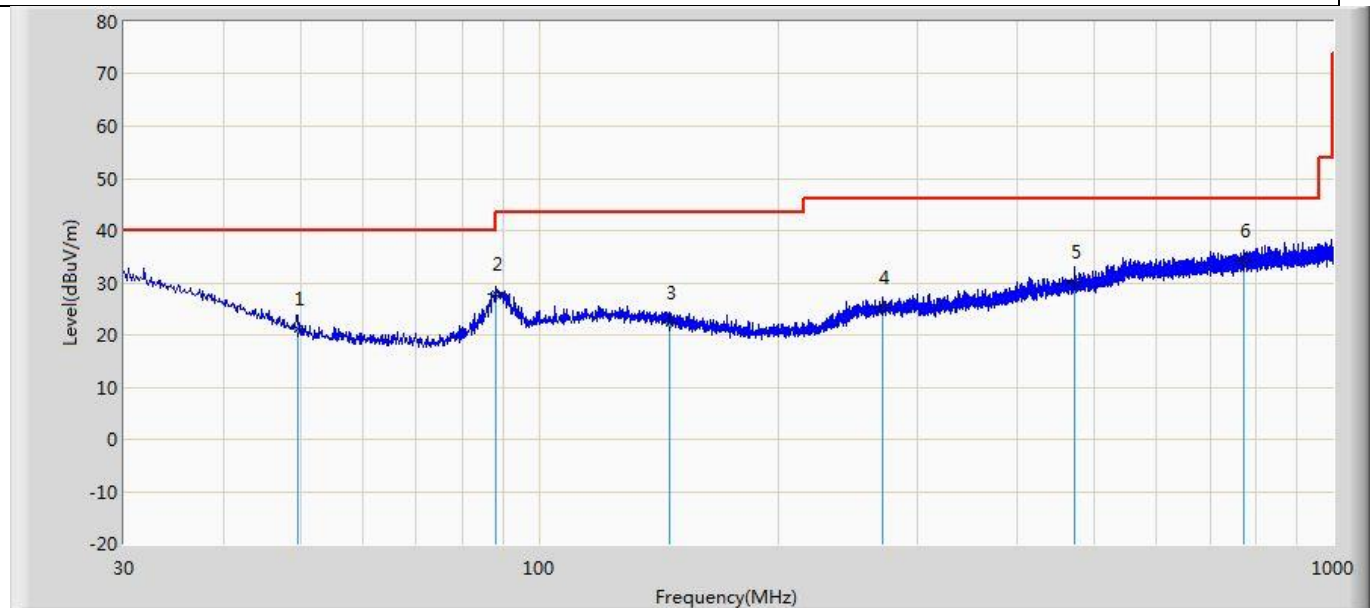
|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 2390782R                             | Page No.: 24             |
| Engineer: Yuliu                               |                          |
| Site: AC5                                     | Time: 2024/06/28 - 19:07 |
| Limit: FCC_Part15.209_RE                      | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: Mobile Computer                          | Power: Battery Powered   |
| Note: Mode 2: Transmit at 2480MHz by LE_2Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4960.000        | 43.485                 | 54.191               | -30.515         | 74.000         | -10.707     | PK   |
| 2  |      | 7440.000        | 45.527                 | 52.306               | -28.473         | 74.000         | -6.779      | PK   |
| 3  | *    | 9920.000        | 51.382                 | 53.204               | -22.618         | 74.000         | -1.821      | PK   |

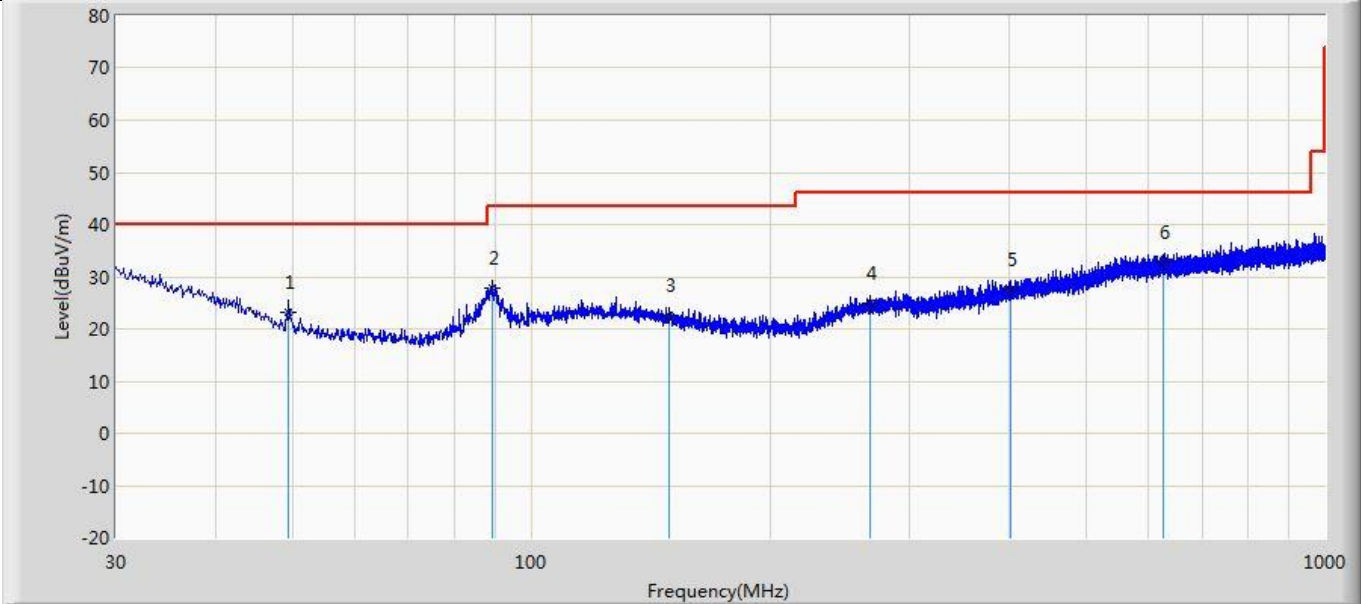
**The worst case of Radiated Emission below 1GHz :**

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2390782R                              | Page No.: 25             |
| Engineer: Yuliu                                |                          |
| Site: AC2                                      | Time: 2024/06/29 - 23:23 |
| Limit: FCC_Part 15.209_RE                      | Margin: 0                |
| Probe: CBL6112B_2933(30-1000MHz)               | Polarity: Horizontal     |
| EUT: Mobile Computer                           | Power: Battery Powered   |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



| N o | Mar k | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|-----|-------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1   |       | 49.643          | 21.179                 | 5.807                | -18.821         | 40.000         | 15.372      | QP   |
| 2   |       | 88.321          | 27.840                 | 12.211               | -15.660         | 43.500         | 15.629      | QP   |
| 3   |       | 146.279         | 22.284                 | 4.578                | -21.216         | 43.500         | 17.706      | QP   |
| 4   |       | 270.560         | 25.210                 | 4.811                | -20.790         | 46.000         | 20.399      | QP   |
| 5   |       | 472.078         | 30.289                 | 5.257                | -15.711         | 46.000         | 25.032      | QP   |
| 6   | *     | 773.263         | 34.320                 | 5.534                | -11.680         | 46.000         | 28.787      | QP   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2390782R                              | Page No.: 26             |
| Engineer: Yuliu                                |                          |
| Site: AC2                                      | Time: 2024/06/29 - 23:24 |
| Limit: FCC_Part 15.209_RE                      | Margin: 0                |
| Probe: CBL6112B_2933(30-1000MHz)               | Polarity: Vertical       |
| EUT: Mobile Computer                           | Power: Battery Powered   |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



| N<br>o | Mar<br>k | Frequency<br>(MHz) | Measure<br>Level<br>(dBuV/m) | Reading<br>Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|--------|----------|--------------------|------------------------------|----------------------------|--------------------|-------------------|----------------|------|
| 1      |          | 49.521             | 23.245                       | 7.821                      | -16.755            | 40.000            | 15.424         | QP   |
| 2      |          | 89.291             | 27.920                       | 12.106                     | -15.580            | 43.500            | 15.814         | QP   |
| 3      |          | 149.189            | 22.500                       | 5.014                      | -21.000            | 43.500            | 17.487         | QP   |
| 4      |          | 267.286            | 24.840                       | 4.517                      | -21.160            | 46.000            | 20.323         | QP   |
| 5      |          | 401.267            | 27.533                       | 3.787                      | -18.467            | 46.000            | 23.746         | QP   |
| 6      | *        | 625.216            | 32.840                       | 5.335                      | -13.160            | 46.000            | 27.505         | QP   |

Note:

1. " \* ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)
3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. The test frequency range, 18GHz~26GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.
5. If the test result on peak is lower than average limit, then average measurement needn't be performed.

The End