

Test report No:  
2470156R-RF-US-P06V01

## FCC & ISED TEST REPORT

|                                             |                                                                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Product Name                                | DriveWell Tag                                                                                                   |
| Model and /or type reference                | DriveWell Tag v6.0                                                                                              |
| FCC ID                                      | 2AFGD000600                                                                                                     |
| Applicant's name / address                  | Cambridge Mobile Telematics.<br>101 Main Street, 14 <sup>th</sup> Floor, Cambridge, MA 02142, USA               |
| Test method requested, standard             | 47 CFR FCC Part 15 (Section 15.247)<br>ANSI C63.10: 2013                                                        |
| 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                               | 2024-07-29                                                                                                      |
| Report Version                              | V1.0                                                                                                            |
| Report template No                          | Template_FCC Part 15C-RF-V1.0                                                                                   |

## INDEX

|                                                                    | page |
|--------------------------------------------------------------------|------|
| General conditions .....                                           | 4    |
| Environmental conditions .....                                     | 4    |
| Possible test case verdicts .....                                  | 5    |
| Abbreviations .....                                                | 5    |
| Document History .....                                             | 6    |
| Remarks and Comments.....                                          | 6    |
| Used Equipment .....                                               | 7    |
| Uncertainty .....                                                  | 10   |
| 1 General Information.....                                         | 11   |
| 1.1 General Description of the Item(s) .....                       | 11   |
| 1.2 Antenna Information .....                                      | 12   |
| 1.3 Channel List .....                                             | 13   |
| 2 Description of Test Setup .....                                  | 14   |
| 2.1 Operating mode(s) used for tests.....                          | 14   |
| 2.2 Auxiliary equipment / Test software for the EUT.....           | 14   |
| 2.3 Test Configuration / Block diagram used for tests .....        | 15   |
| 2.4 Testing process .....                                          | 16   |
| 3 Verdict summary section .....                                    | 17   |
| 3.1 Standards.....                                                 | 17   |
| 3.2 Deviation(s) from the Standard(s) / Test Specification(s)..... | 17   |
| 3.3 Overview of results.....                                       | 18   |
| 3.4 Power setting in test .....                                    | 19   |
| 3.5 Test Matrix .....                                              | 19   |
| 3.6 Test Facility.....                                             | 20   |
| 4 Test Items Of Limit/Setup/Procedure .....                        | 21   |
| 4.1 Maximum Conducted Output Power .....                           | 21   |
| 4.1.1 Limit .....                                                  | 21   |
| 4.1.2 Test Setup.....                                              | 21   |
| 4.1.3 Test Procedure .....                                         | 22   |
| 4.2 Emissions in Restricted Bands .....                            | 23   |
| 4.2.1 Limit .....                                                  | 23   |
| 4.2.2 Test Setup.....                                              | 25   |
| 4.2.3 Test Procedure .....                                         | 26   |
| 5 Test setup photo and EUT Photo.....                              | 27   |



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|   |                                                  |    |
|---|--------------------------------------------------|----|
| 6 | Test Result.....                                 | 28 |
|   | Appendix A: Maximum conducted output power ..... | 28 |
|   | Appendix B: Emissions in Restricted Bands.....   | 29 |

## 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) | Jul. 05, 2024                                                          |
| Date (start test)    | Jul. 10, 2024                                                          |
| Date (finish test)   | Jul. 23, 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.
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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 |
|-----------------------|---------|--------------------------|-------------|
| 2470156R-RF-US-P06V01 | V1.0    | Initial issue of report. | 2024-07-29  |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |

## 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 based on RF test report 2061189R-RF-US-P06V01. Change Murata crystal to XRCGB32M000F1SBLR0 .After technical evaluation, we have validated some of the tests, and all the validation data results are smaller than the original data. The other test data are taken from RF test report 2061189R-RF-US-P06V01. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
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 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     | 2024.05.20 | 2025.05.19     | V 4.0.60         | N/A              |
| Coaxial Cable                                                 | N/A          | N/A           | 2477       | 2024.06.08 | 2025.06.07     | N/A              | N/A              |
| Coaxial Cable                                                 | N/A          | N/A           | 2478       | 2024.06.08 | 2025.06.07     | N/A              | N/A              |
| High and low temperature and fast temperature change test box | ASTUOD       | ASTD-FBT-225K | N/A        | 2024.05.20 | 2025.05.19     | N/A              | N/A              |
| Temperature/Humidity Meter                                    | RTS          | RTS-8S        | RF08       | 2023.08.25 | 2024.08.24     | 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 | 2024.02.06 | 2025.02.05     | N/A              | N/A              |
| MXG-B RF Vector Signal Generator                              | Keysight     | N5182B        | MY61252529 | 2024.05.20 | 2025.05.19     | B.01.96          | N/A              |
| Frequency extender for EXG or MXG                             | Keysight     | N5182BX07     | MY59362500 | 2024.05.20 | 2025.05.19     | 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          |

## AC Power Line Conducted Emission / TR1

| Instrument                      | Manufacturer | Model No. | Serial No. | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
|---------------------------------|--------------|-----------|------------|------------|----------------|------------------|------------------|
| EMI Test Receiver               | R&S          | ESCI      | 100726     | 2023.08.26 | 2024.08.25     | 4.42 SP1         | N/A              |
| Two-Line V-Network              | R&S          | ENV 216   | 101044     | 2023.08.27 | 2024.08.26     | N/A              | N/A              |
| Two-Line V-Network              | R&S          | ENV 216   | 101189     | 2024.05.14 | 2025.05.13     | N/A              | N/A              |
| 50ohm Coaxial Switch            | Anritsu      | MP59B     | 6200464462 | 2024.05.14 | 2025.05.13     | N/A              | N/A              |
| Coaxial Cable                   | Huber+Suhner | RG 223    | TR1-C1     | 2024.05.14 | 2025.05.13     | N/A              | N/A              |
| Impedance Stabilization Network | Teseq GmbH   | ISN T800  | 57318      | 2024.01.20 | 2025.01.19     | N/A              | N/A              |
| Temperature/Humidity Meter      | RTS          | RTS-8S    | EMC01      | 2024.05.19 | 2025.05.18     | N/A              | N/A              |
| Dekra test software             | Dekra        | N/A       | N/A        | N/A        | N/A            | N/A              | 3                |

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

| Instrument                 | Manufacturer | Model No.    | Serial No. | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
|----------------------------|--------------|--------------|------------|------------|----------------|------------------|------------------|
| EMI Test Receiver          | R&S          | ESCI         | 100573     | 2023.09.15 | 2024.09.14     | 4.42 SP3         | N/A              |
| Loop Antenna               | R&S          | HFH2-Z2E     | 101149     | 2024.04.25 | 2025.04.24     | N/A              | N/A              |
| Bilog Antenna              | Teseq GmbH   | CBL6112D     | 27611      | 2024.03.20 | 2025.03.19     | N/A              | N/A              |
| Temperature/Humidity Meter | RTS          | RTS-8S       | AC2-TH     | 2024.05.19 | 2025.05.18     | N/A              | N/A              |
| Coaxial Cable              | Huber+Suhner | SUCOFLEX 106 | AC2-C      | 2024.05.21 | 2025.05.20     | 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 Version | Software version |
|-----------------------------|--------------|---------------|--------------------|------------|----------------|------------------|------------------|
| EXA Spectrum Analyzer       | Keysight     | N9020B        | MY60112218         | 2023.11.08 | 2024.11.07     | A.31.05          | N/A              |
| Pre-Amplifier               | SKET         | LNPA_0118G-45 | SK2021090101       | 2024.05.14 | 2025.05.13     | N/A              | N/A              |
| Preamplifier                | CHENGYI      | EMC184045SE   | 980263             | 2024.07.09 | 2025.07.08     | N/A              | N/A              |
| DRG Horn                    | ETS-Lindgren | 3117          | 123988             | 2023.11.07 | 2024.11.06     | N/A              | N/A              |
| Broad-Band Horn Antenna     | Schwarzbeck  | BBHA9170      | 294                | 2024.05.31 | 2025.05.30     | N/A              | N/A              |
| Filter Switch Box           | MVE          | MSW-F196      | C070001S           | 2024.05.21 | 2025.05.20     | N/A              | N/A              |
| Temperature/ Humidity Meter | RTS          | RTS-8S        | AC5-TH             | 2024.05.19 | 2025.05.18     | N/A              | N/A              |
| Coaxial Cable               | TIMES        | ROSENBERGER   | LA1-C011-2000/3000 | 2024.01.25 | 2025.01.24     | N/A              | N/A              |
| Cable                       | Rosenberger  | LA1-C011-1000 | 0523               | 2024.05.21 | 2025.05.20     | 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                                                     |
| RF antenna conducted test       | $\pm 1.27$ dB                                                                                                        |

## 1 GENERAL INFORMATION

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

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| Product Name..... :         | DriveWell Tag                                                     |
| Model No. .... :            | DriveWell Tag v6.0                                                |
| FCC ID ..... :              | 2AFGD000600                                                       |
| Manufacturer..... :         | Cambridge Mobile Telematics                                       |
| Manufacturer Address..... : | 101 Main Street, 14 <sup>th</sup> Floor, Cambridge, MA 02142, USA |

Note: The difference of four versions is whether there is a sounder or a microphone mounted on the PCB.

| DriveWell Tag v6.0 Versions | Sounder | Mic |
|-----------------------------|---------|-----|
| v6.0.1                      | No      | No  |
| v6.0.2                      | Yes     | No  |
| v6.0.3                      | No      | Yes |
| v6.0.4                      | Yes     | Yes |

|                               |                                     |         |                                     |         |                                         |
|-------------------------------|-------------------------------------|---------|-------------------------------------|---------|-----------------------------------------|
| 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"/> | DC: 3 Vdc                       |
|                          | <input checked="" type="checkbox"/> | Battery                         |
|                          | <input type="checkbox"/>            | Adapter: .....Input:<br>Output: |
| Brand of adapter .....   | N/A                                 |                                 |
| Adapter model .....      | N/A                                 |                                 |
| Mounting position..... : | <input type="checkbox"/>            | Table top equipment             |
|                          | <input type="checkbox"/>            | Wall/Ceiling mounted equipment  |
|                          | <input type="checkbox"/>            | Floor standing equipment        |
|                          | <input type="checkbox"/>            | Head-held/Portable equipment    |
|                          | <input checked="" type="checkbox"/> | Other: vehicle-mounted          |

## 1.2 Antenna Information

|                                   |                                     |           |                                     |                        |
|-----------------------------------|-------------------------------------|-----------|-------------------------------------|------------------------|
| Antenna model / type number ..... | PCB antenna                         |           |                                     |                        |
| Antenna serial number .....       | N/A                                 |           |                                     |                        |
| Antenna Delivery .....            | <input checked="" type="checkbox"/> | 1TX + 1RX |                                     |                        |
|                                   | <input type="checkbox"/>            | 2TX + 2RX |                                     |                        |
| Antenna technology .....          | <input checked="" type="checkbox"/> | SISO      |                                     |                        |
|                                   | <input type="checkbox"/>            | MIMO      | <input 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"/>            | PIFA                   |
|                                   |                                     |           | <input checked="" type="checkbox"/> | PCB                    |
|                                   |                                     |           | <input type="checkbox"/>            | Metal Monopole Antenna |
|                                   |                                     |           | <input type="checkbox"/>            | Others.....            |
| Antenna Gain.....                 | 1.1 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 , 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.

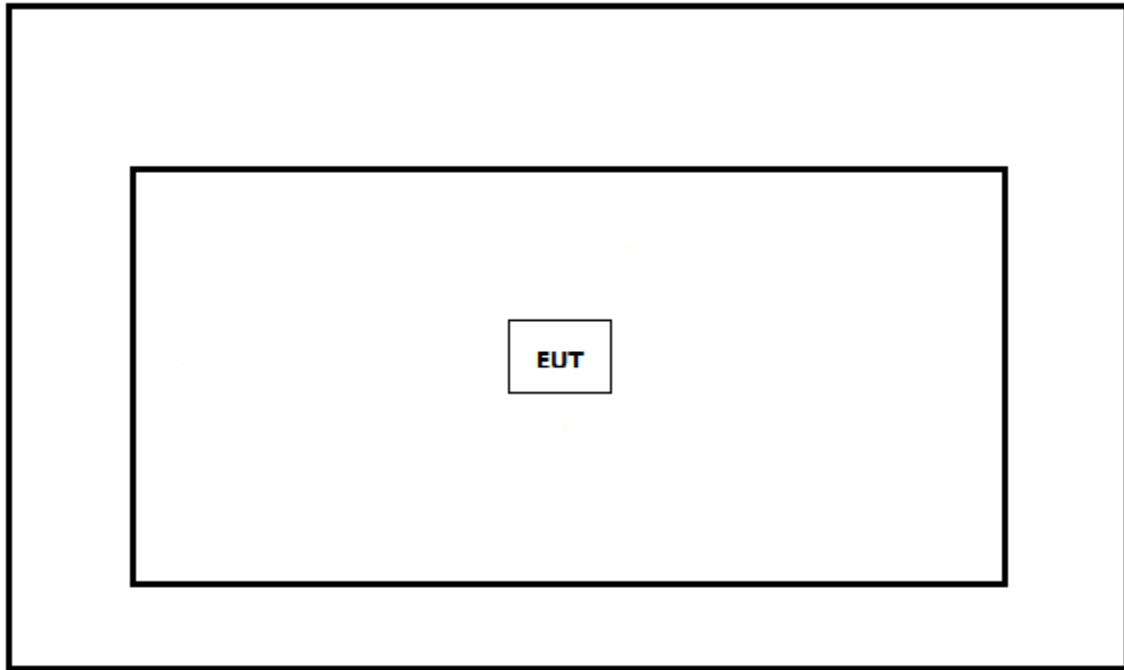
|                         |                              |
|-------------------------|------------------------------|
| Test Mode For Bluetooth | Mode 1: Transmit by LE_1Mbps |
|                         | Mode 2: Transmit by LE_2Mbps |

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

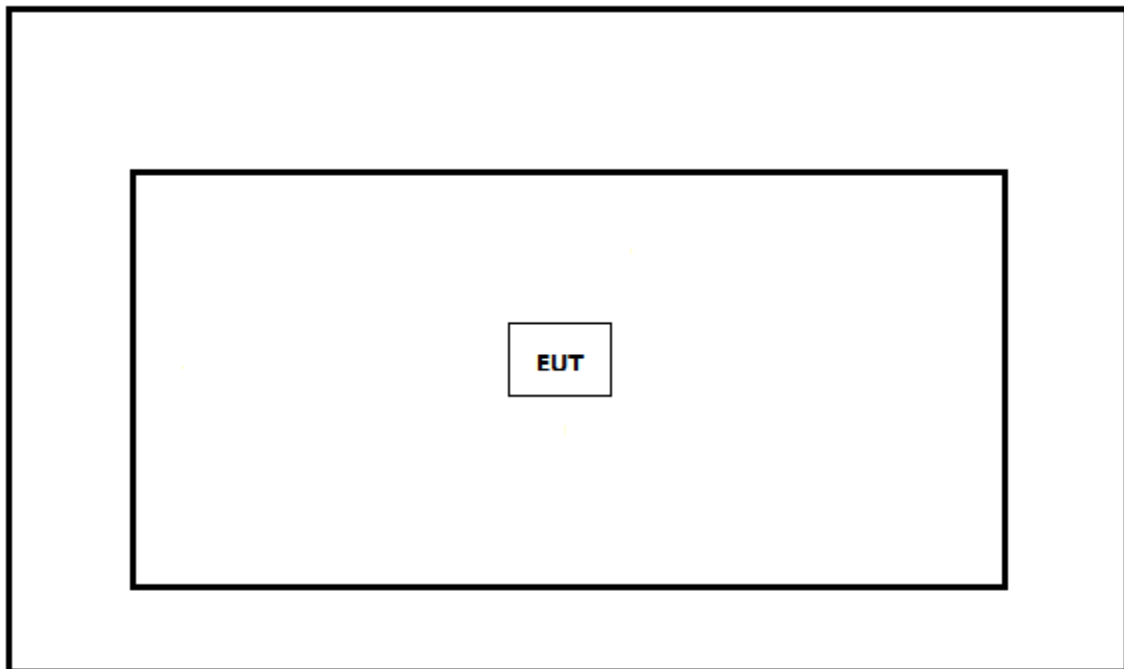
| Auxiliary equipment | Type / Version | Manufacturer | Supplied by |
|---------------------|----------------|--------------|-------------|
| N/A                 | N/A            | N/A          | N/A         |
| software            | Type / Version | Manufacturer | Supplied by |
| N/A                 | N/A            | N/A          | N/A         |

## 2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- Ratiated test



Test setup Diagram- Conducted test



## 2.4 Testing process

|   |                                                               |
|---|---------------------------------------------------------------|
| 1 | Setup the EUT shown in Section 2.3.                           |
| 2 | Press the button on the EUT.                                  |
| 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 |

#### 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<br><b>Appendix A</b> |
| Emissions in Restricted Bands  | FCC 15.205<br>FCC 15.209 | PASS    | Test data please refer to<br><b>Appendix B</b> |

### 3.4 Power setting in test

| Mode     | Channel | Frequency (MHz) | Power setting |
|----------|---------|-----------------|---------------|
| LE_1Mbps | 00      | 2402            | N/A           |
|          | 19      | 2440            | N/A           |
|          | 39      | 2480            | N/A           |
| LE_2Mbps | 00      | 2402            | N/A           |
|          | 19      | 2440            | N/A           |
|          | 39      | 2480            | N/A           |

### 3.5 Test Matrix

| Test item                      | Model / Type                        |                                     |
|--------------------------------|-------------------------------------|-------------------------------------|
|                                | #1                                  | #2                                  |
| Maximum conducted output power | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Emissions in Restricted Bands  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

### 3.6 Test Facility

USA : FCC Designation Number: CN1199

## 4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

### 4.1 Maximum Conducted Output Power

**VERDICT: PASS**

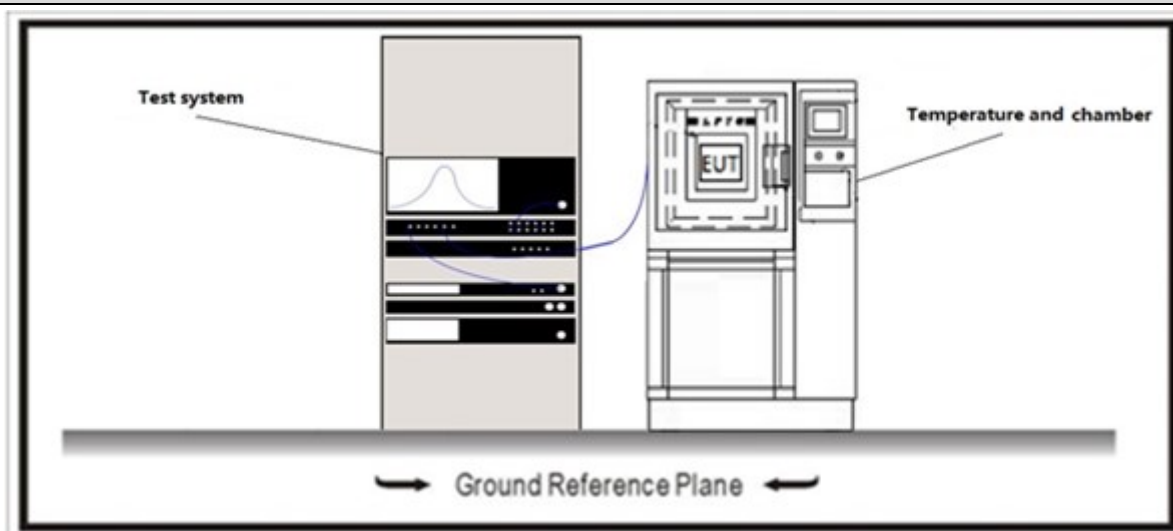
#### 4.1.1 Limit

| Standard                            |                                                         | FCC Part 15 Subpart C Paragraph 15.247 (b)(3);<br>RSS-247 Issue 2 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 checked="" 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 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(kHz)                        | 48.5 – 13.8                                 | 300 <sub>(Note 1)</sub>  |
| 0.49 - 1.705    | 24000/F(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(kHz) $\mu\text{A/m}$ | 48.5 – 13.8                                 | 300 <sub>(Note 1)</sub>  |
| 0.49 - 1.705    | 63.7/F(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>    |

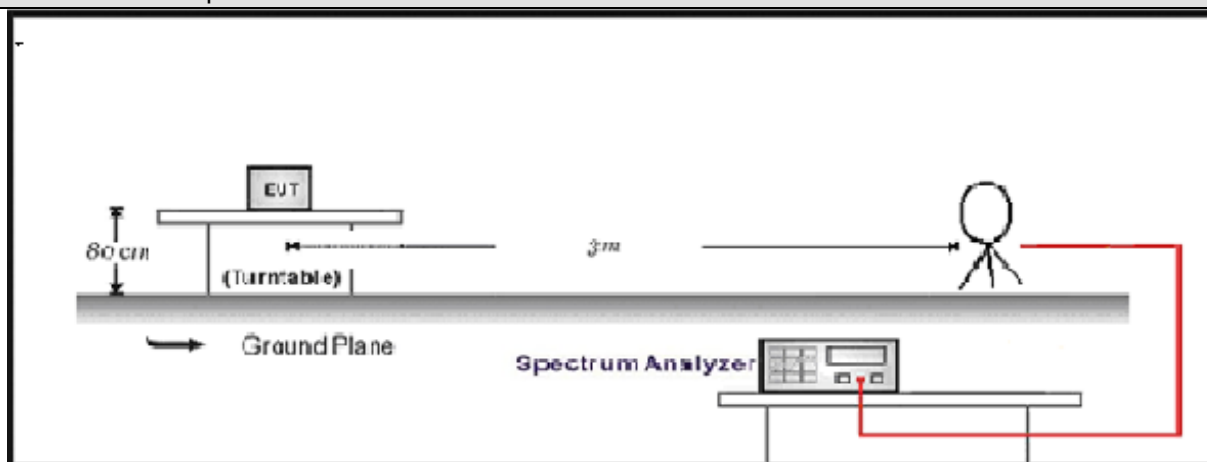
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed 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).

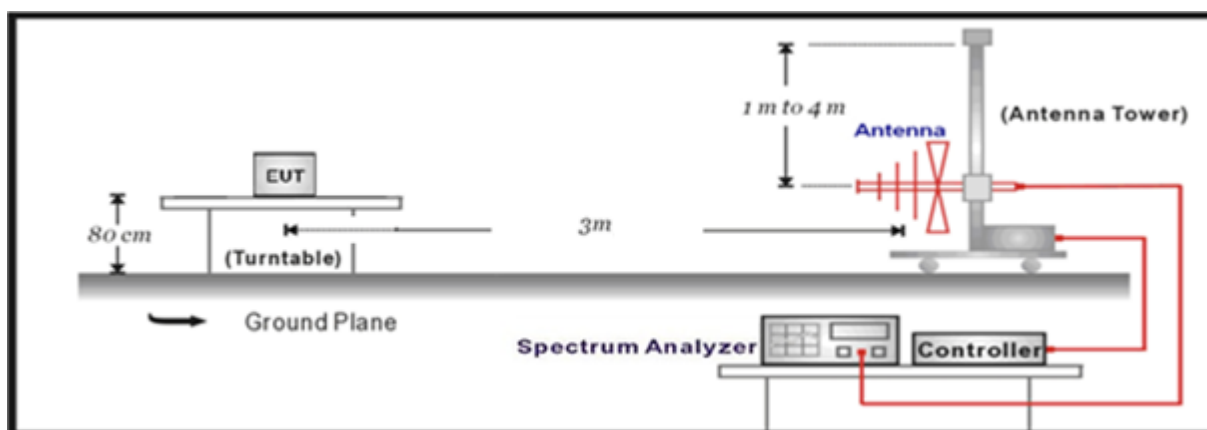


## 4.2.2 Test Setup

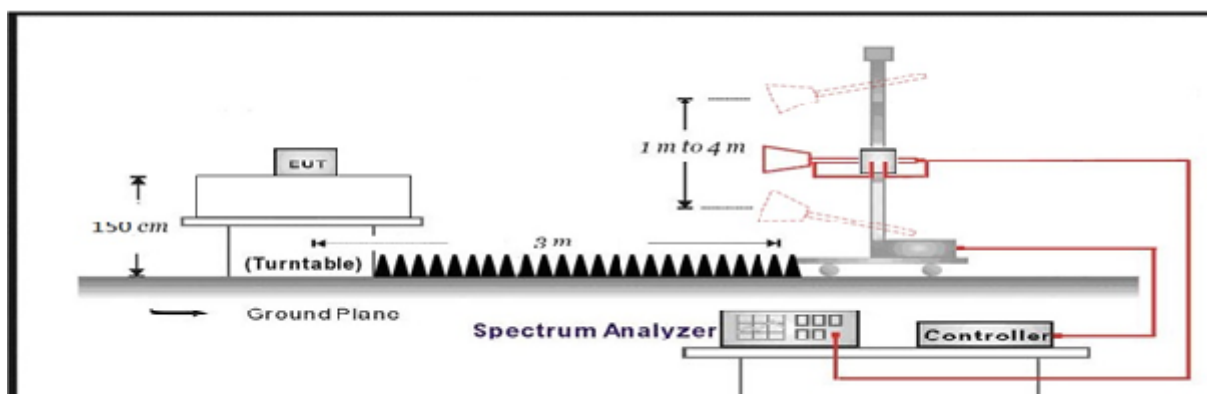
Below 30MHz Test Setup:



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                                  |

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## 5 TEST SETUP PHOTO AND EUT PHOTO

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

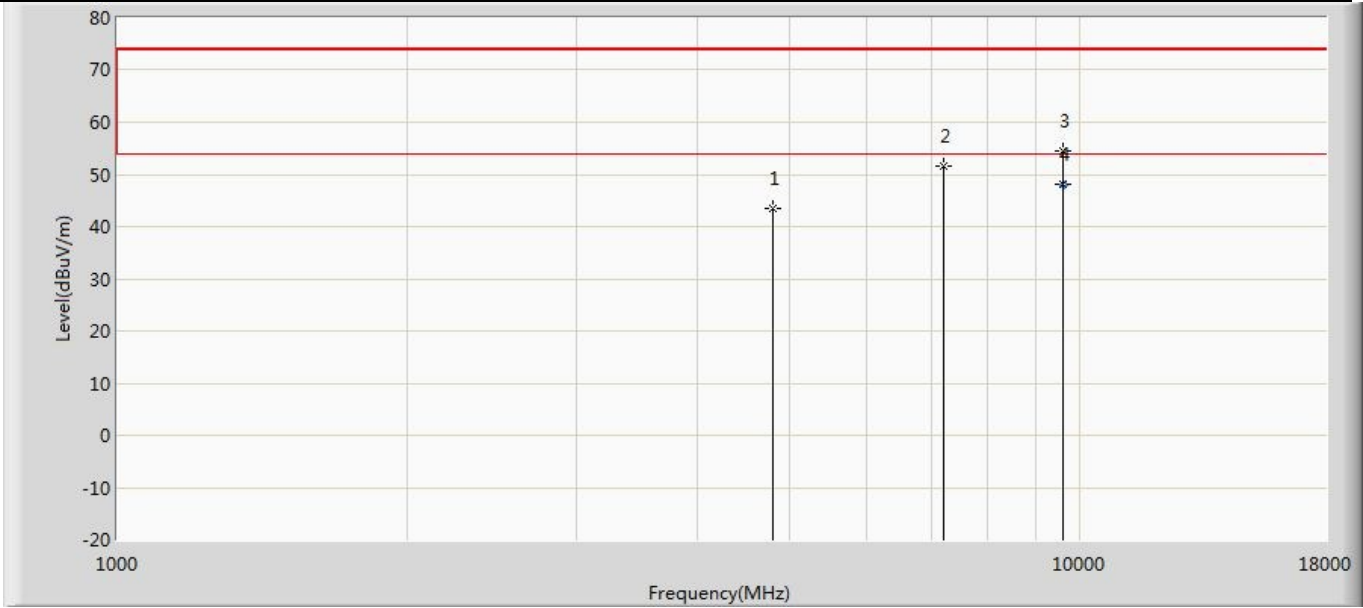
## 6 TEST RESULT

### Appendix A: Maximum conducted output power

| Mode   | Channel | Test Frequency (MHz) | Conducted Power (dBm) | Conducted Power Limit (dBm) | Result |
|--------|---------|----------------------|-----------------------|-----------------------------|--------|
| Mode 1 | 00      | 2402                 | 4.58                  | ≤30                         | Pass   |
|        | 19      | 2440                 | 4.53                  | ≤30                         | Pass   |
|        | 39      | 2480                 | 4.41                  | ≤30                         | Pass   |
| Mode 2 | 00      | 2402                 | 4.38                  | ≤30                         | Pass   |
|        | 19      | 2440                 | 4.35                  | ≤30                         | Pass   |
|        | 39      | 2480                 | 4.31                  | ≤30                         | Pass   |

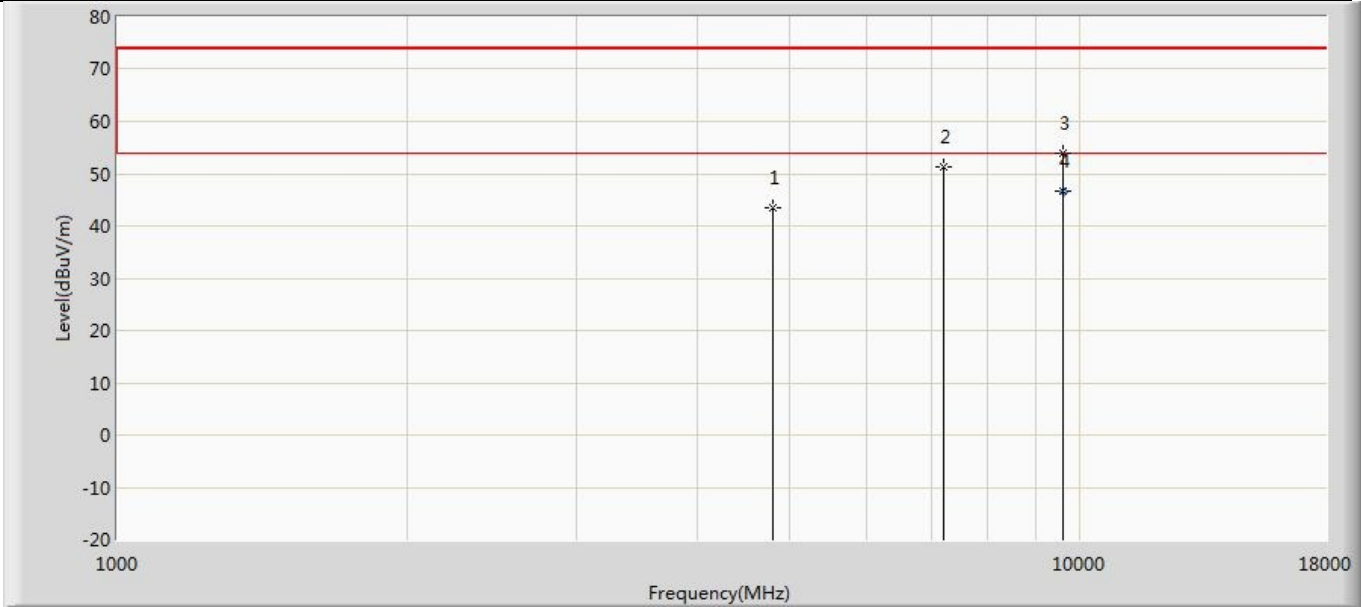
Appendix B: Emissions in Restricted Bands

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 13             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Horizontal     |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



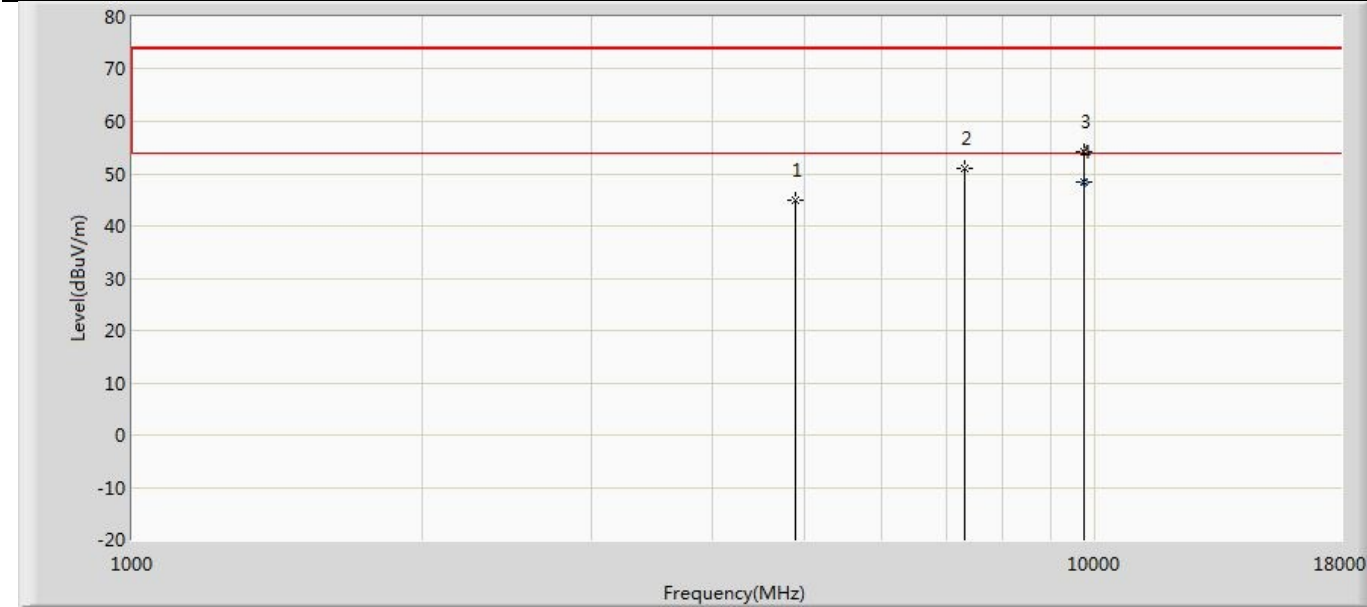
| N<br>o | Ma<br>rk | Frequency<br>(MHz) | Measure<br>Level<br>(dBuV/m) | Reading<br>Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|--------|----------|--------------------|------------------------------|----------------------------|--------------------|-------------------|----------------|------|
| 1      |          | 4804.000           | 43.603                       | 55.491                     | -30.397            | 74.000            | -11.888        | PK   |
| 2      |          | 7205.000           | 51.527                       | 57.677                     | -22.473            | 74.000            | -6.150         | PK   |
| 3      |          | 9602.000           | 54.575                       | 57.494                     | -19.425            | 74.000            | -2.919         | PK   |
| 4      | *        | 9602.000           | 48.151                       | 51.070                     | -5.849             | 54.000            | -2.919         | AV   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 14             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Vertical       |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



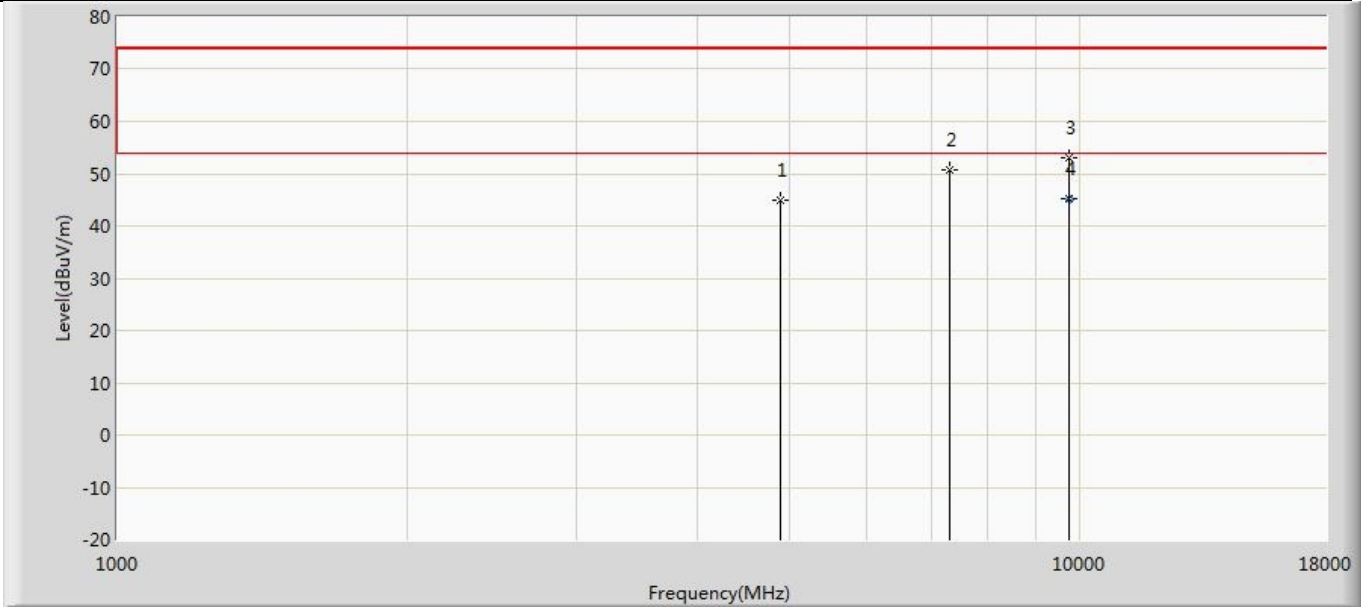
| N<br>o | Ma<br>rk | Frequency<br>(MHz) | Measure<br>Level<br>(dBuV/m) | Reading<br>Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|--------|----------|--------------------|------------------------------|----------------------------|--------------------|-------------------|----------------|------|
| 1      |          | 4804.000           | 43.571                       | 55.459                     | -30.429            | 74.000            | -11.888        | PK   |
| 2      |          | 7205.000           | 51.279                       | 57.429                     | -22.721            | 74.000            | -6.150         | PK   |
| 3      |          | 9602.000           | 54.012                       | 56.931                     | -19.988            | 74.000            | -2.919         | PK   |
| 4      | *        | 9602.000           | 46.741                       | 49.660                     | -7.259             | 54.000            | -2.919         | AV   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 15             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Horizontal     |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 1 : Transmit at 2440MHz by LE_1Mbps |                          |



| N<br>o | Ma<br>rk | 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      |          | 4880.000           | 45.059                       | 55.663                     | -28.941            | 74.000            | -10.603        | PK   |
| 2      |          | 7324.000           | 50.910                       | 57.745                     | -23.090            | 74.000            | -6.835         | PK   |
| 3      |          | 9755.000           | 54.247                       | 57.075                     | -19.753            | 74.000            | -2.828         | PK   |
| 4      | *        | 9755.000           | 48.282                       | 51.110                     | -5.718             | 54.000            | -2.828         | AV   |

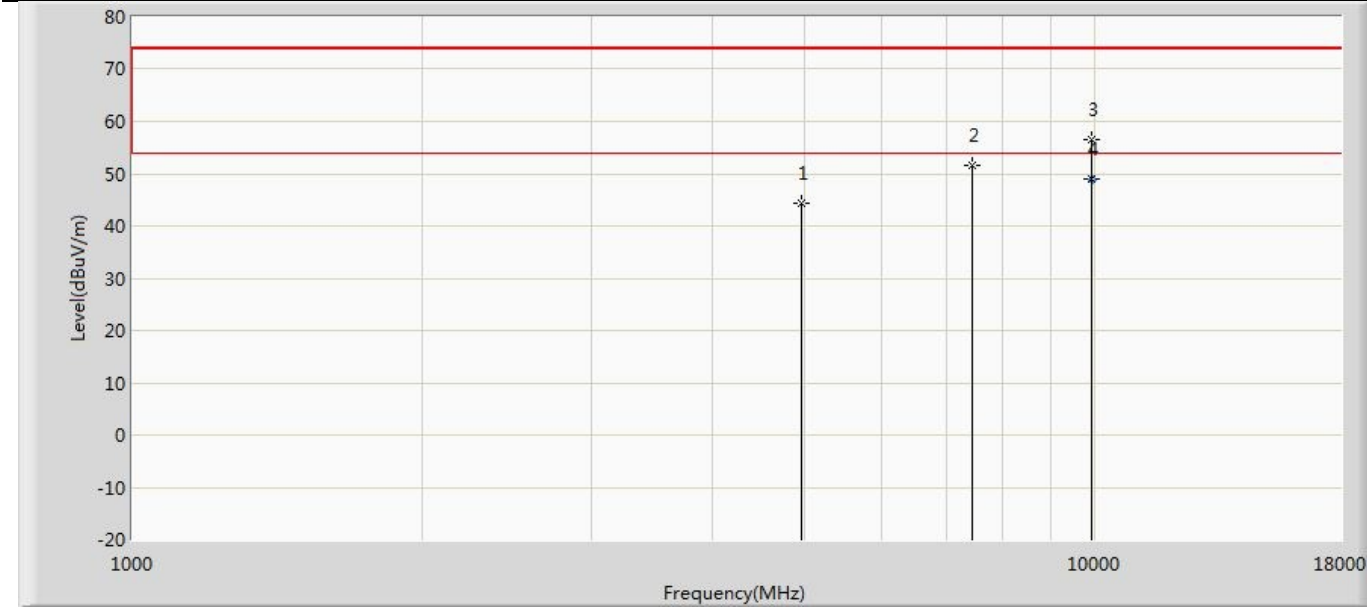
|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 16             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Vertical       |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 1 : Transmit at 2440MHz by LE_1Mbps |                          |



| N<br>o | Ma<br>rk | 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      |          | 4880.000           | 44.921                       | 55.525                     | -29.079            | 74.000            | -10.603        | PK   |
| 2      |          | 7324.000           | 50.665                       | 57.500                     | -23.335            | 74.000            | -6.835         | PK   |
| 3      |          | 9755.000           | 53.157                       | 55.985                     | -20.843            | 74.000            | -2.828         | PK   |
| 4      | *        | 9755.000           | 45.142                       | 47.970                     | -8.858             | 54.000            | -2.828         | AV   |

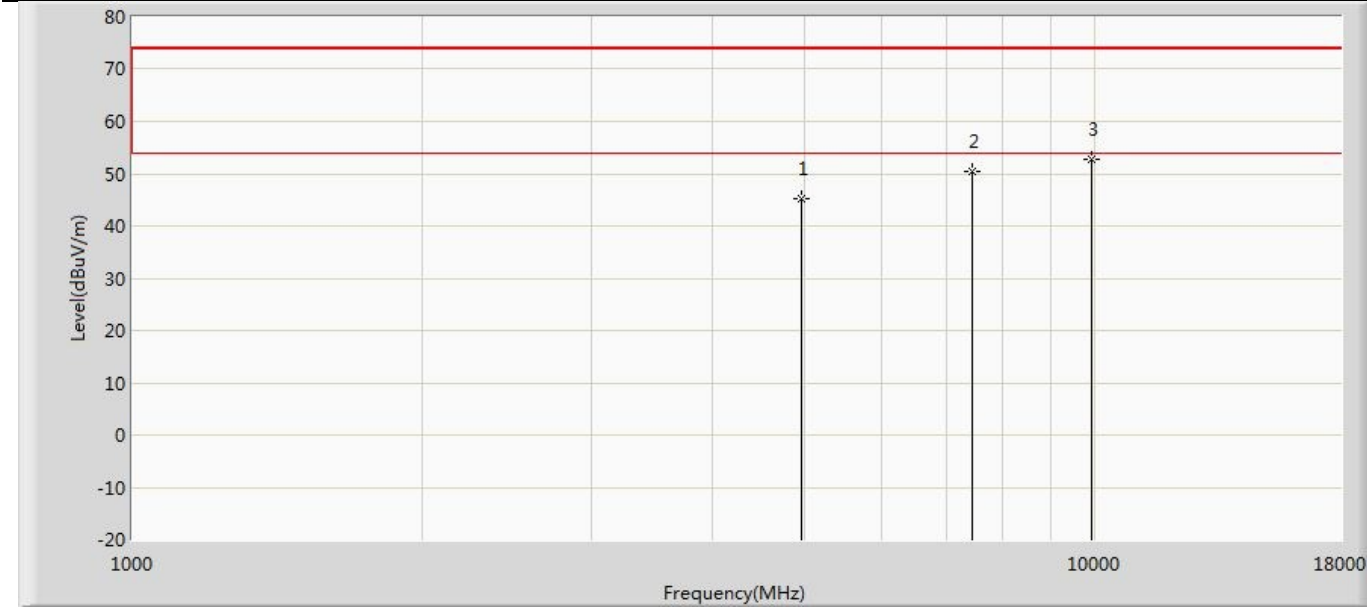


|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 17             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Horizontal     |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps |                          |



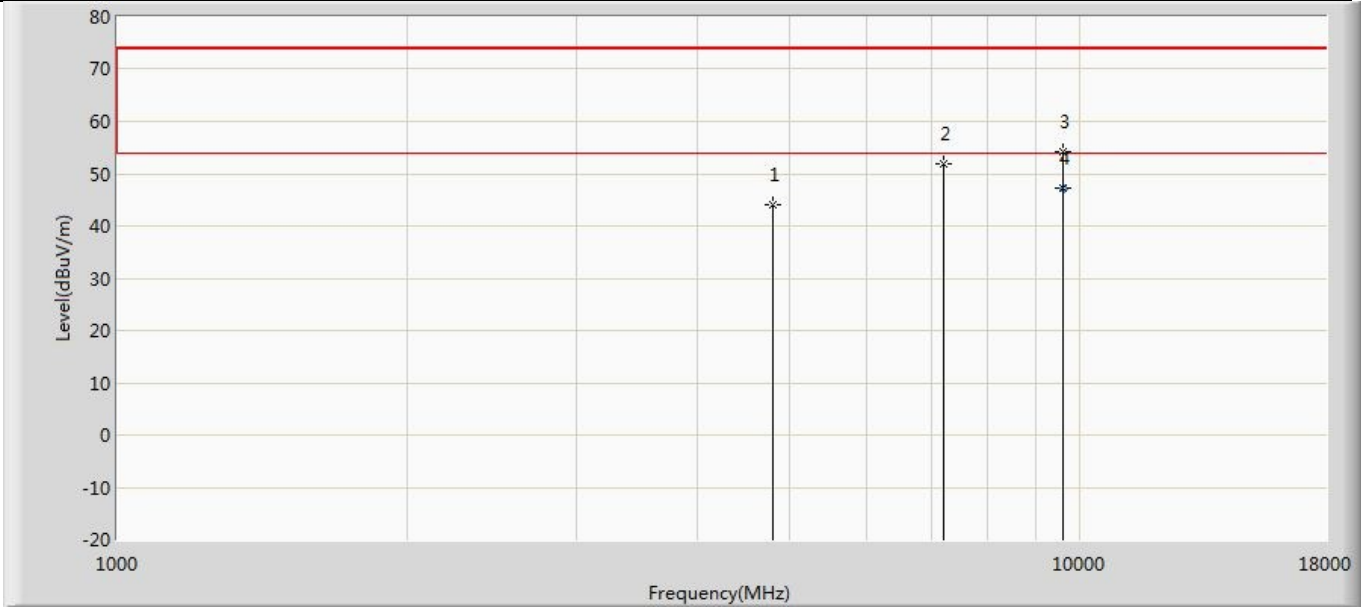
| N<br>o | Ma<br>rk | Frequency<br>(MHz) | Measure<br>Level<br>(dBuV/m) | Reading<br>Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|--------|----------|--------------------|------------------------------|----------------------------|--------------------|-------------------|----------------|------|
| 1      |          | 4960.000           | 44.383                       | 55.089                     | -29.617            | 74.000            | -10.707        | PK   |
| 2      |          | 7443.000           | 51.466                       | 58.223                     | -22.534            | 74.000            | -6.757         | PK   |
| 3      |          | 9925.000           | 56.377                       | 58.301                     | -17.623            | 74.000            | -1.924         | PK   |
| 4      | *        | 9925.000           | 49.046                       | 50.970                     | -4.954             | 54.000            | -1.924         | AV   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 18             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Vertical       |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps |                          |



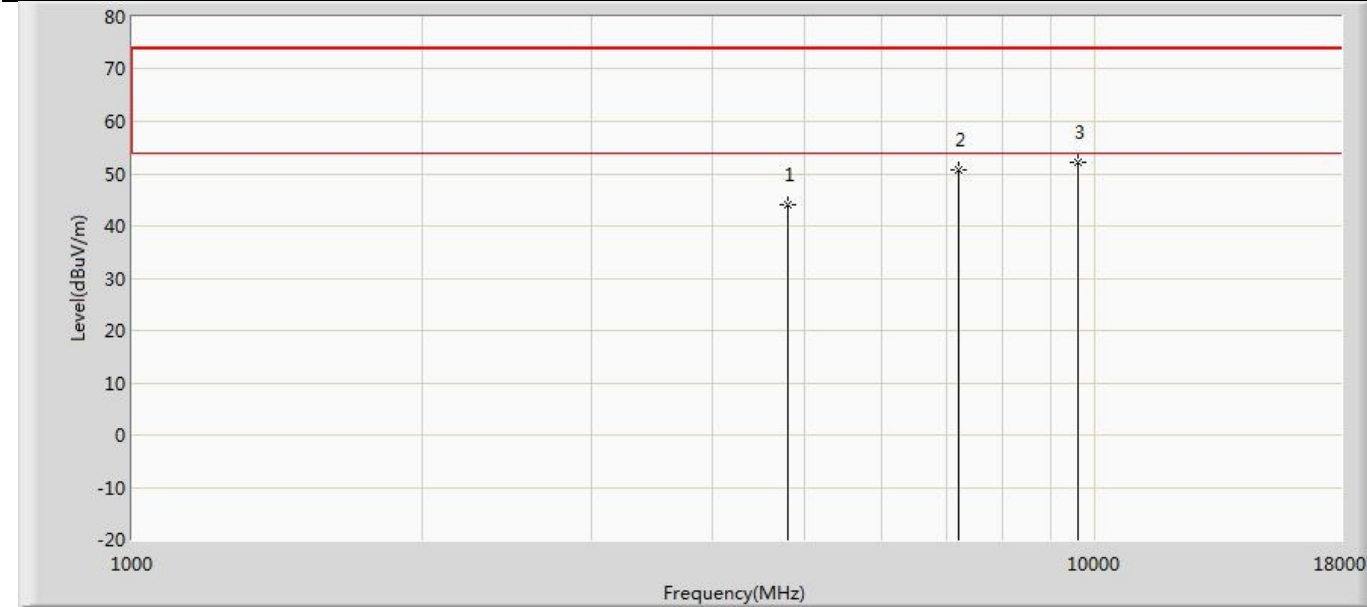
| N<br>o | Ma<br>rk | Frequency<br>(MHz) | Measure<br>Level<br>(dBuV/m) | Reading<br>Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|--------|----------|--------------------|------------------------------|----------------------------|--------------------|-------------------|----------------|------|
| 1      |          | 4960.000           | 45.142                       | 55.848                     | -28.858            | 74.000            | -10.707        | PK   |
| 2      |          | 7443.000           | 50.412                       | 57.169                     | -23.588            | 74.000            | -6.757         | PK   |
| 3      | *        | 9920.000           | 52.886                       | 54.708                     | -21.114            | 74.000            | -1.821         | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 19             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Horizontal     |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps |                          |



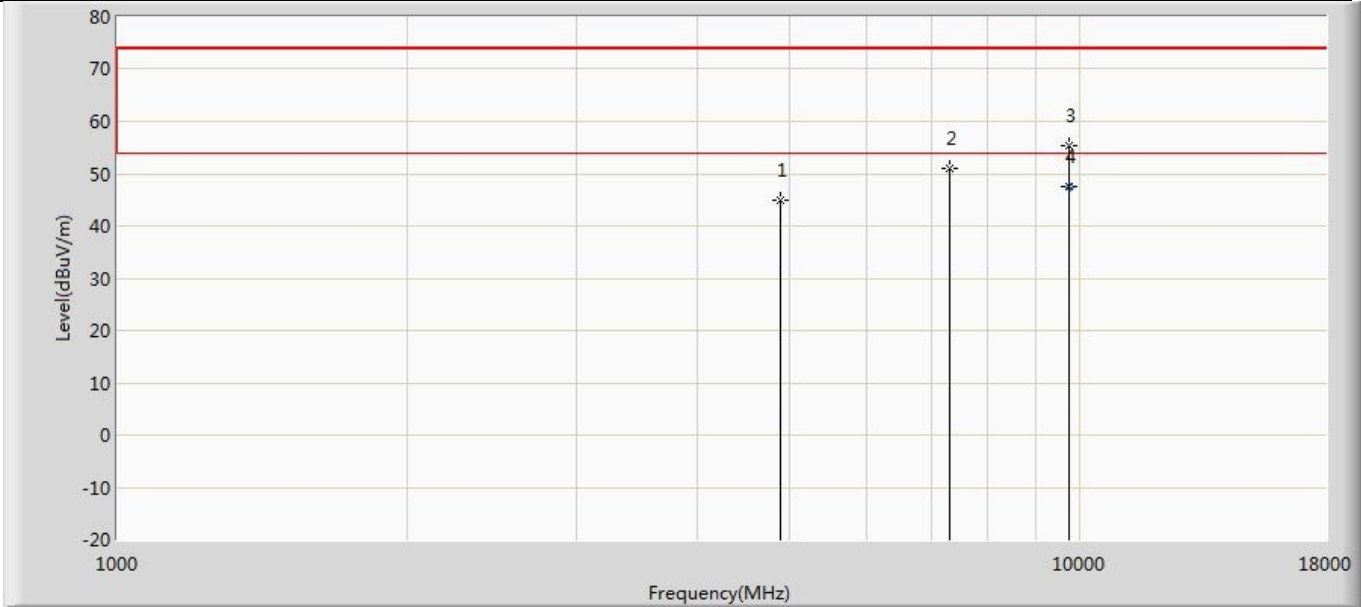
| N<br>o | Ma<br>rk | Frequency<br>(MHz) | Measure<br>Level<br>(dBuV/m) | Reading<br>Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|--------|----------|--------------------|------------------------------|----------------------------|--------------------|-------------------|----------------|------|
| 1      |          | 4804.000           | 43.914                       | 55.802                     | -30.086            | 74.000            | -11.888        | PK   |
| 2      |          | 7205.000           | 52.016                       | 58.166                     | -21.984            | 74.000            | -6.150         | PK   |
| 3      |          | 9602.000           | 54.242                       | 57.161                     | -19.758            | 74.000            | -2.919         | PK   |
| 4      | *        | 9602.000           | 47.161                       | 50.080                     | -6.839             | 54.000            | -2.919         | AV   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 20             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Vertical       |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps |                          |



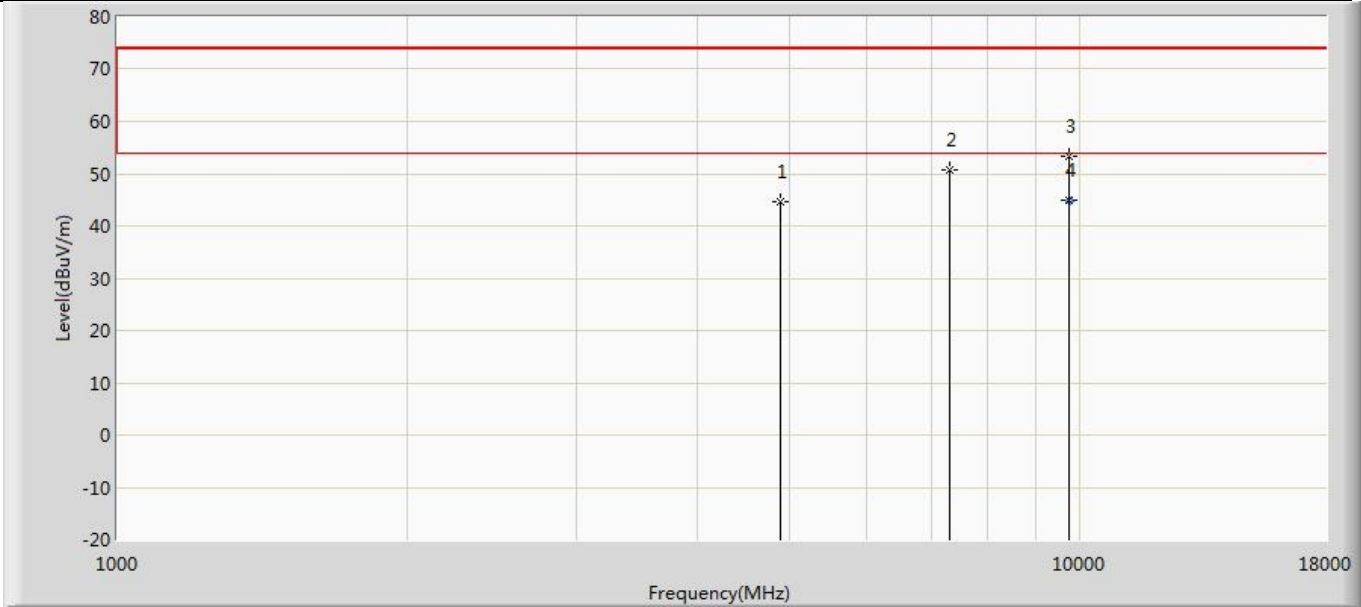
| N<br>o | Ma<br>rk | Frequency<br>(MHz) | Measure<br>Level<br>(dBuV/m) | Reading<br>Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|--------|----------|--------------------|------------------------------|----------------------------|--------------------|-------------------|----------------|------|
| 1      |          | 4804.000           | 43.915                       | 55.803                     | -30.085            | 74.000            | -11.888        | PK   |
| 2      |          | 7205.000           | 50.611                       | 56.761                     | -23.389            | 74.000            | -6.150         | PK   |
| 3      | *        | 9608.000           | 52.058                       | 55.281                     | -21.942            | 74.000            | -3.222         | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 21             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Horizontal     |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 2 : Transmit at 2440MHz by LE_2Mbps |                          |



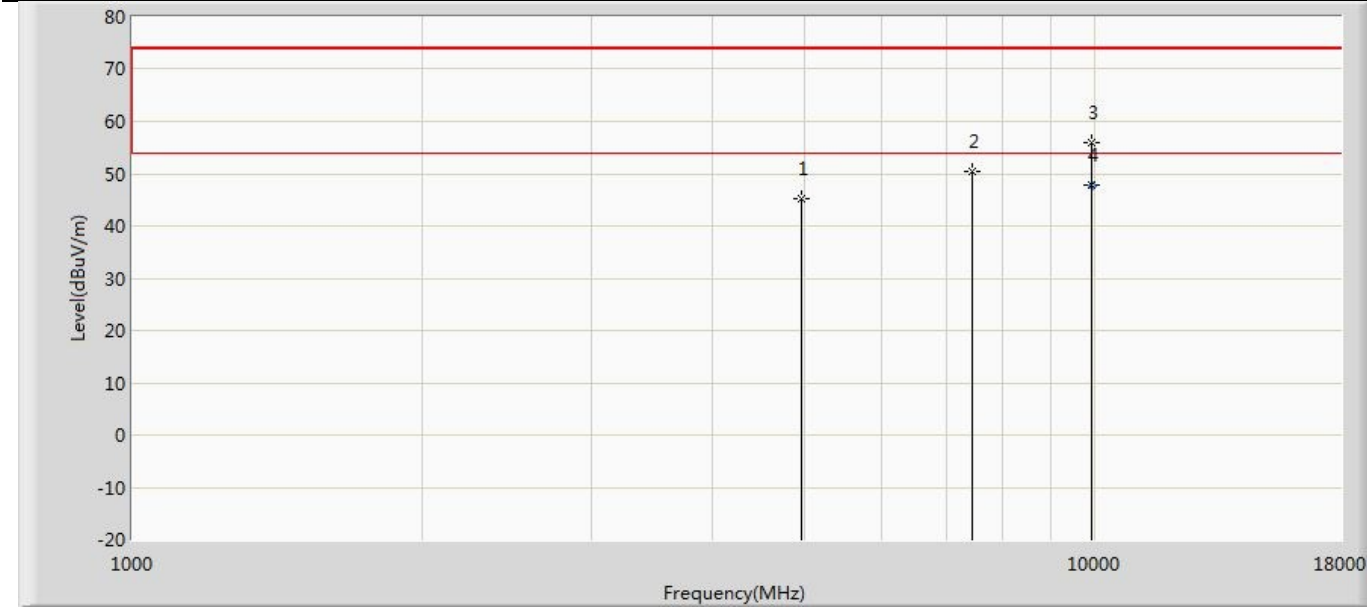
| N<br>o | Ma<br>rk | Frequency<br>(MHz) | Measure<br>Level<br>(dBuV/m) | Reading<br>Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|--------|----------|--------------------|------------------------------|----------------------------|--------------------|-------------------|----------------|------|
| 1      |          | 4880.000           | 44.990                       | 55.594                     | -29.010            | 74.000            | -10.603        | PK   |
| 2      |          | 7324.000           | 51.153                       | 57.988                     | -22.847            | 74.000            | -6.835         | PK   |
| 3      |          | 9755.000           | 55.345                       | 58.173                     | -18.655            | 74.000            | -2.828         | PK   |
| 4      | *        | 9755.000           | 47.492                       | 50.320                     | -6.508             | 54.000            | -2.828         | AV   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 22             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Vertical       |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 2 : Transmit at 2440MHz by LE_2Mbps |                          |



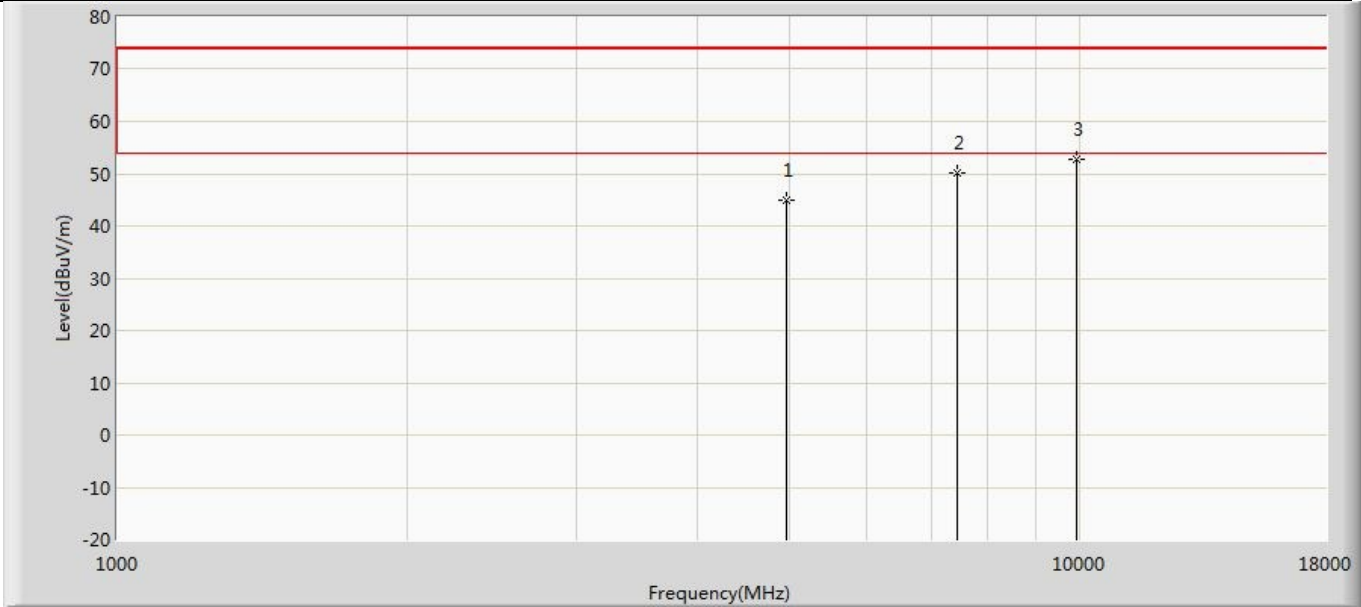
| N<br>o | Ma<br>rk | Frequency<br>(MHz) | Measure<br>Level<br>(dBuV/m) | Reading<br>Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|--------|----------|--------------------|------------------------------|----------------------------|--------------------|-------------------|----------------|------|
| 1      |          | 4880.000           | 44.575                       | 55.179                     | -29.425            | 74.000            | -10.603        | PK   |
| 2      |          | 7324.000           | 50.635                       | 57.470                     | -23.365            | 74.000            | -6.835         | PK   |
| 3      |          | 9755.000           | 53.348                       | 56.176                     | -20.652            | 74.000            | -2.828         | PK   |
| 4      | *        | 9755.000           | 44.952                       | 47.780                     | -9.048             | 54.000            | -2.828         | AV   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 23             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:18 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Horizontal     |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps |                          |



| N<br>o | Ma<br>rk | 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      |          | 4960.000           | 45.274                       | 55.980                     | -28.726            | 74.000            | -10.707        | PK   |
| 2      |          | 7443.000           | 50.318                       | 57.075                     | -23.682            | 74.000            | -6.757         | PK   |
| 3      |          | 9925.000           | 55.976                       | 57.900                     | -18.024            | 74.000            | -1.924         | PK   |
| 4      | *        | 9925.000           | 47.706                       | 49.630                     | -6.294             | 54.000            | -1.924         | AV   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 24             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/07/18 - 08:19 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)             | Polarity: Vertical       |
| EUT: DriveWell Tag                             | Power: 120Vac/60Hz       |
| Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps |                          |



| N<br>o | Ma<br>rk | 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      |          | 4960.000           | 44.960                       | 55.666                     | -29.040            | 74.000            | -10.707        | PK   |
| 2      |          | 7443.000           | 50.170                       | 56.927                     | -23.830            | 74.000            | -6.757         | PK   |
| 3      | *        | 9920.000           | 52.685                       | 54.507                     | -21.315            | 74.000            | -1.821         | PK   |

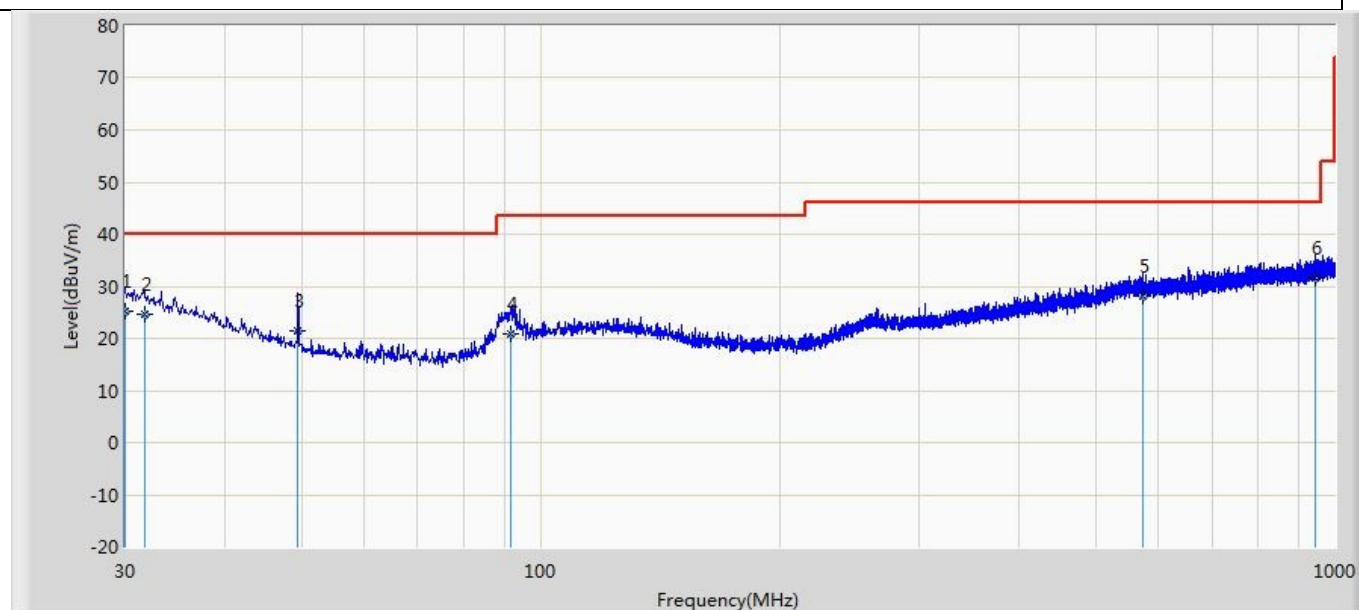
Note:

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
3. 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.
4. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
5. The below 1G test data which shown in the report is the worst.



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

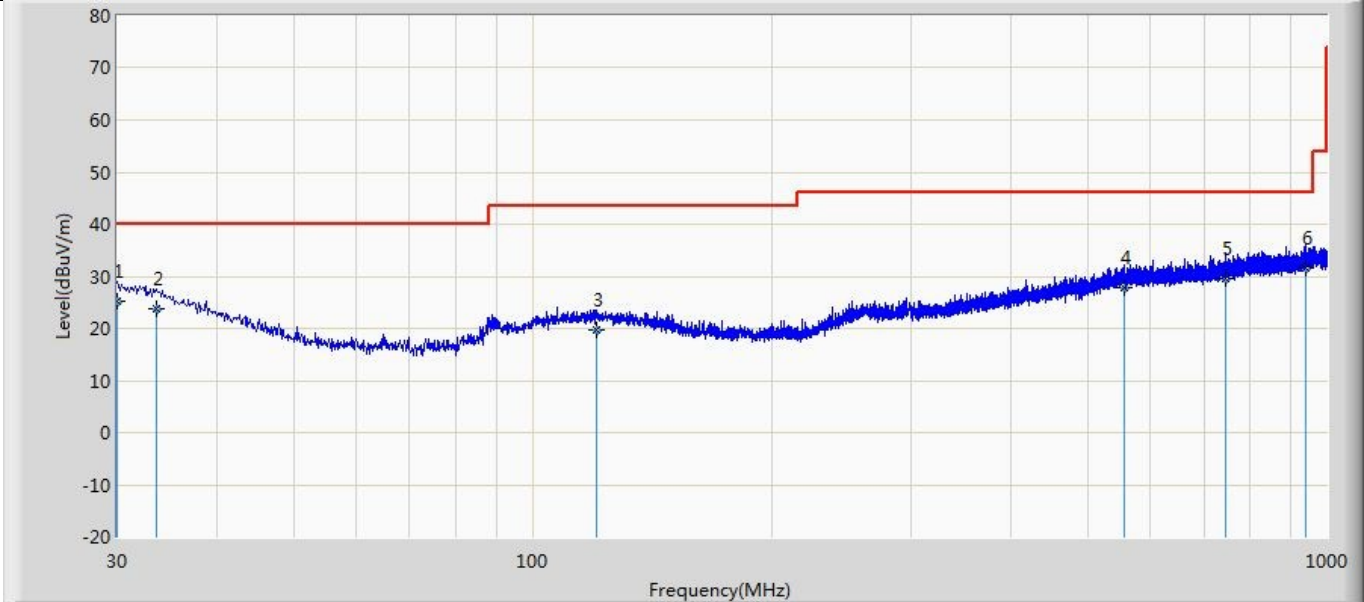
|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 105            |
| Engineer: Yuliu                                |                          |
| Site: AC2                                      | Time: 2024/07/15 - 10:29 |
| Limit: FCC_Part15.109_RE(3m)_ClassB            | Margin: 0                |
| Probe: CBL6112B_2933(30-1000MHz)               | Polarity: Vertical       |
| EUT: DriveWell Tag                             | Power: DC 3V             |
| 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) | Ant Pos (cm) | Table Pos (deg) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|--------------|-----------------|------|
| 1  |      | 30.000          | 25.075                 | 0.235                | -14.925         | 40.000         | 24.840      | 150          | 126             | QP   |
| 2  |      | 31.819          | 24.629                 | 0.588                | -15.371         | 40.000         | 24.040      | 260          | 325             | QP   |
| 3  |      | 49.521          | 21.517                 | 6.428                | -18.483         | 40.000         | 15.089      | 100          | 195             | QP   |
| 4  |      | 91.716          | 20.804                 | 4.521                | -22.696         | 43.500         | 16.283      | 100          | 190             | QP   |
| 5  |      | 572.836         | 28.102                 | 0.958                | -17.898         | 46.000         | 27.144      | 100          | 42              | QP   |
| 6  | *    | 946.407         | 31.620                 | 1.006                | -14.380         | 46.000         | 30.614      | 240          | 350             | QP   |



|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2470156R                              | Page No.: 106            |
| Engineer: Yuliu                                |                          |
| Site: AC2                                      | Time: 2024/07/15 - 10:31 |
| Limit: FCC_Part 15.209                         | Margin: 0                |
| Probe: CBL6112D_27613(30-1000MHz)              | Polarity: Horizontal     |
| EUT: DriveWell Tag                             | Power: DC 3V             |
| 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) | Ant Pos (cm) | Table Pos (deg) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|--------------|-----------------|------|
| 1  |      | 30.000          | 25.105                 | 0.265                | -14.895         | 40.000         | 24.840      | 100          | 159             | QP   |
| 2  |      | 33.638          | 23.694                 | 0.536                | -16.306         | 40.000         | 23.159      | 186          | 265             | QP   |
| 3  |      | 120.331         | 19.593                 | 0.256                | -23.907         | 43.500         | 19.336      | 200          | 78              | QP   |
| 4  |      | 554.770         | 27.772                 | 0.639                | -18.228         | 46.000         | 27.133      | 100          | 174             | QP   |
| 5  |      | 747.073         | 29.427                 | 1.008                | -16.573         | 46.000         | 28.419      | 295          | 140             | QP   |
| 6  | *    | 939.739         | 31.718                 | 1.254                | -14.282         | 46.000         | 30.465      | 180          | 261             | QP   |

The End