

# RADIO TEST REPORT

## FCC 47 CFR PART 15 SUBPART E

### INDUSTRY CANADA RSS-247

|                          |                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Standard            | FCC Part 15.407+<br>IC RSS-247 issue 2 and IC RSS-GEN issue 5                                                                                       |
| Brand name               | ICON/iFit                                                                                                                                           |
| Product name             | Tablet                                                                                                                                              |
| Model No.                | MP22-ARGON2-C                                                                                                                                       |
| Test Result              | Pass                                                                                                                                                |
| Statements of Conformity | Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty. |

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc.(Wugu Laboratory)

Approved by:



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Kevin Tsai  
Deputy Manager

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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Report No.: T200908W02-RP4

Page: 2 / 133

Rev.: 00

## **Revision History**

| Rev. | Issue Date      | Revisions     | Effect Page | Revised By   |
|------|-----------------|---------------|-------------|--------------|
| 00   | January 8, 2021 | Initial Issue | ALL         | Allison Chen |

## Table of contents

|                                                               |            |
|---------------------------------------------------------------|------------|
| <b>1. GENERAL INFORMATION .....</b>                           | <b>4</b>   |
| <b>1.1 EUT INFORMATION .....</b>                              | <b>4</b>   |
| <b>1.2 EUT CHANNEL INFORMATION .....</b>                      | <b>5</b>   |
| <b>1.3 ANTENNA INFORMATION .....</b>                          | <b>6</b>   |
| <b>1.4 MEASUREMENT UNCERTAINTY .....</b>                      | <b>6</b>   |
| <b>1.5 FACILITIES AND TEST LOCATION .....</b>                 | <b>7</b>   |
| <b>1.6 INSTRUMENT CALIBRATION.....</b>                        | <b>7</b>   |
| <b>1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT .....</b>        | <b>8</b>   |
| <b>1.8 TEST METHODOLOGY AND APPLIED STANDARDS .....</b>       | <b>8</b>   |
| <b>2. TEST SUMMARY .....</b>                                  | <b>9</b>   |
| <b>3. DESCRIPTION OF TEST MODES .....</b>                     | <b>10</b>  |
| <b>3.1 THE EUT CHANNEL NUMBER OF OPERATING CONDITION.....</b> | <b>10</b>  |
| <b>3.2 THE WORST MODE OF MEASUREMENT .....</b>                | <b>11</b>  |
| <b>3.3 EUT DUTY CYCLE .....</b>                               | <b>12</b>  |
| <b>4. TEST RESULT .....</b>                                   | <b>13</b>  |
| <b>4.1 AC POWER LINE CONDUCTED EMISSION .....</b>             | <b>13</b>  |
| <b>4.2 OUTPUT POWER MEASUREMENT.....</b>                      | <b>16</b>  |
| <b>4.3 RADIATION BANDEDGE AND SPURIOUS EMISSION .....</b>     | <b>23</b>  |
| <b>4.4 TEST DATA RE-USE SUMMARY .....</b>                     | <b>132</b> |
| <b>APPENDIX-A TEST PHOTO .....</b>                            | <b>A-1</b> |
| <b>APPENDIX 1 - PHOTOGRAPHS OF EUT</b>                        |            |



Report No.: T200908W02-RP4

Page: 4 / 133

Rev.: 00

## 1. GENERAL INFORMATION

### 1.1 EUT INFORMATION

|                   |                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------|
| FCC Applicant     | Compal Electronics Inc<br>No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei city, 11492<br>Taiwan |
| IC Applicant      | COMPAL ELECTRONICS INC.<br>No. 581 & 581-1, Ruiguang Rd., Neihu District Taipei R.O.C.<br>114 Taiwan |
| Manufacturer      | Compal Electronics Inc<br>No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei city, 11492<br>Taiwan |
| Equipment         | Tablet                                                                                               |
| Model No.         | MP22-ARGON2-C                                                                                        |
| Model Discrepancy | N/A                                                                                                  |
| Trade Name        | ICON/iFit                                                                                            |
| Received Date     | September 8, 2020                                                                                    |
| Date of Test      | October 8 ~ 15, 2020                                                                                 |
| Power Operation   | EUT Power from Host device (DC12V)                                                                   |
| HW Version        | LA-K651P                                                                                             |
| SW Version        | Android 9                                                                                            |
| EUT Serial #      | NN23D30006 5891432400021                                                                             |

**Remark:**

1. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

## 1.2 EUT CHANNEL INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|--------------|-----------------|------------------------|-----------------|------------------------|-----------------|----------------|--|--------------|-----------------|------------------------|-----------------|------------------------|-----------------|----------------|--|--------------|-----------------|------------------------|-----------------|------------------------|-----------------|---------------|--|--------------|-----------------|------------------------|-----------------|------------------------|-----------------|
| Frequency Range        | <table border="1"> <tr><td colspan="2"><b>UNII-1</b></td></tr> <tr><td>IEEE 802.11a</td><td>5180 ~ 5240 MHz</td></tr> <tr><td>IEEE 802.11n HT 20 MHz</td><td>5180 ~ 5240 MHz</td></tr> <tr><td>IEEE 802.11n HT 40 MHz</td><td>5190 ~ 5230 MHz</td></tr> <tr><td colspan="2"><b>UNII-2a</b></td></tr> <tr><td>IEEE 802.11a</td><td>5260 ~ 5320 MHz</td></tr> <tr><td>IEEE 802.11n HT 20 MHz</td><td>5260 ~ 5320 MHz</td></tr> <tr><td>IEEE 802.11n HT 40 MHz</td><td>5270 ~ 5310 MHz</td></tr> <tr><td colspan="2"><b>UNII-2c</b></td></tr> <tr><td>IEEE 802.11a</td><td>5500 ~ 5700 MHz</td></tr> <tr><td>IEEE 802.11n HT 20 MHz</td><td>5500 ~ 5700 MHz</td></tr> <tr><td>IEEE 802.11n HT 40 MHz</td><td>5510 ~ 5670 MHz</td></tr> <tr><td colspan="2"><b>UNII-3</b></td></tr> <tr><td>IEEE 802.11a</td><td>5745 ~ 5825 MHz</td></tr> <tr><td>IEEE 802.11n HT 20 MHz</td><td>5745 ~ 5825 MHz</td></tr> <tr><td>IEEE 802.11n HT 40 MHz</td><td>5755 ~ 5795 MHz</td></tr> </table> | <b>UNII-1</b> |  | IEEE 802.11a | 5180 ~ 5240 MHz | IEEE 802.11n HT 20 MHz | 5180 ~ 5240 MHz | IEEE 802.11n HT 40 MHz | 5190 ~ 5230 MHz | <b>UNII-2a</b> |  | IEEE 802.11a | 5260 ~ 5320 MHz | IEEE 802.11n HT 20 MHz | 5260 ~ 5320 MHz | IEEE 802.11n HT 40 MHz | 5270 ~ 5310 MHz | <b>UNII-2c</b> |  | IEEE 802.11a | 5500 ~ 5700 MHz | IEEE 802.11n HT 20 MHz | 5500 ~ 5700 MHz | IEEE 802.11n HT 40 MHz | 5510 ~ 5670 MHz | <b>UNII-3</b> |  | IEEE 802.11a | 5745 ~ 5825 MHz | IEEE 802.11n HT 20 MHz | 5745 ~ 5825 MHz | IEEE 802.11n HT 40 MHz | 5755 ~ 5795 MHz |
| <b>UNII-1</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11a           | 5180 ~ 5240 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11n HT 20 MHz | 5180 ~ 5240 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11n HT 40 MHz | 5190 ~ 5230 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| <b>UNII-2a</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11a           | 5260 ~ 5320 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11n HT 20 MHz | 5260 ~ 5320 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11n HT 40 MHz | 5270 ~ 5310 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| <b>UNII-2c</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11a           | 5500 ~ 5700 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11n HT 20 MHz | 5500 ~ 5700 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11n HT 40 MHz | 5510 ~ 5670 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| <b>UNII-3</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11a           | 5745 ~ 5825 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11n HT 20 MHz | 5745 ~ 5825 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| IEEE 802.11n HT 40 MHz | 5755 ~ 5795 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |
| Modulation Type        | 1. IEEE 802.11a mode: OFDM<br>2. IEEE 802.11n HT 20 MHz mode: OFDM<br>3. IEEE 802.11n HT 40 MHz mode: OFDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |                |  |              |                 |                        |                 |                        |                 |               |  |              |                 |                        |                 |                        |                 |

**Remark:**

Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels

| Number of frequencies to be tested                   |                       |                                              |
|------------------------------------------------------|-----------------------|----------------------------------------------|
| Frequency range in which device operates             | Number of frequencies | Location in frequency range of operation     |
| <input type="checkbox"/> 1 MHz or less               | 1                     | Middle                                       |
| <input type="checkbox"/> 1 MHz to 10 MHz             | 2                     | 1 near top and 1 near bottom                 |
| <input checked="" type="checkbox"/> More than 10 MHz | 3                     | 1 near top, 1 near middle, and 1 near bottom |

### 1.3 ANTENNA INFORMATION

|                   |                                                                                                                                      |            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------|
| Antenna Type      | <input checked="" type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/> Dipole <input type="checkbox"/> Coils |            |
| Antenna Gain      | Band                                                                                                                                 | Gain (dBi) |
|                   | UNII-1                                                                                                                               | 0.15       |
|                   | UNII-2a                                                                                                                              | 0.15       |
|                   | UNII-2c                                                                                                                              | 0.19       |
|                   | UNII-3                                                                                                                               | -0.86      |
| Antenna Connector | IPEX                                                                                                                                 |            |

### 1.4 MEASUREMENT UNCERTAINTY

| PARAMETER                             | UNCERTAINTY |
|---------------------------------------|-------------|
| AC Powerline Conducted Emission       | +/- 1.2575  |
| Emission bandwidth, 20dB bandwidth    | +/- 0.0014  |
| RF output power, conducted            | +/- 1.14    |
| Power density, conducted              | +/- 1.40    |
| 3M Semi Anechoic Chamber / 30M~200M   | +/- 4.12    |
| 3M Semi Anechoic Chamber / 200M~1000M | +/- 4.68    |
| 3M Semi Anechoic Chamber / 1G~8G      | +/- 5.18    |
| 3M Semi Anechoic Chamber / 8G~18G     | +/- 5.47    |
| 3M Semi Anechoic Chamber / 18G~26G    | +/- 3.81    |
| 3M Semi Anechoic Chamber / 26G~40G    | +/- 3.87    |

**Remark:**

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

## 1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at  
No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan. (R.O.C.)

| Test site          | Test Engineer | Remark |
|--------------------|---------------|--------|
| AC Conduction Room | Rick Lee      | -      |
| Radiation          | Ray Li        | -      |
| RF Conducted       | Rick Lee      | -      |

**Remark:** The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

## 1.6 INSTRUMENT CALIBRATION

| 3M 966 Chamber Test Site         |                  |                       |                 |            |            |
|----------------------------------|------------------|-----------------------|-----------------|------------|------------|
| Equipment                        | Manufacturer     | Model                 | S/N             | Cal Date   | Cal Due    |
| Bilog Antenna                    | Sunol Sciences   | JB3                   | A030105         | 07/24/2020 | 07/23/2021 |
| Coaxial Cable                    | HUBER SUHNER     | SUCOFLEX 104PEA       | 20995           | 02/25/2020 | 02/24/2021 |
| Coaxial Cable                    | EMCI             | EMC105                | 190914+327109/4 | 09/19/2020 | 09/18/2021 |
| Digital Thermo-Hygro Meter       | WISEWIND         | 1206                  | D07             | 01/15/2020 | 01/14/2021 |
| double Ridged Guide Horn Antenna | ETC              | MCTD 1209             | DRH13M02003     | 09/30/2020 | 09/29/2021 |
| High Pass Filters                | MICRO TRONICS    | HPM13195              | 003             | 02/25/2020 | 02/24/2021 |
| Horn Antenna                     | ETS LINDGREN     | 3116                  | 00026370        | 12/18/2019 | 12/17/2020 |
| Loop Ant                         | COM-POWER        | AL-130                | 121051          | 03/27/2020 | 03/26/2021 |
| Pre-Amplifier                    | EMEC             | EM330                 | 060609          | 02/25/2020 | 02/24/2021 |
| Pre-Amplifier                    | HP               | 8449B                 | 3008A00965      | 02/25/2020 | 02/24/2021 |
| Pre-Amplifier                    | MITEQ            | AMF-6F-18004000-37-8P | 985646          | 09/02/2020 | 09/01/2021 |
| PSA Series Spectrum Analyzer     | Agilent          | E4446A                | MY46180323      | 07/24/2020 | 07/23/2021 |
| Antenna Tower                    | CCS              | CC-A-1F               | N/A             | N.C.R      | N.C.R      |
| Controller                       | CCS              | CC-C-1F               | N/A             | N.C.R      | N.C.R      |
| Turn Table                       | CCS              | CC-T-1F               | N/A             | N.C.R      | N.C.R      |
| Software                         | e3 6.11-20180413 |                       |                 |            |            |

**Remark:**

- Each piece of equipment is scheduled for calibration once a year.
- N.C.R. = No Calibration Required.



Report No.: T200908W02-RP4

Page: 8 / 133

Rev.: 00

| RF Conducted Test Site |              |         |               |                  |                 |
|------------------------|--------------|---------|---------------|------------------|-----------------|
| Name of Equipment      | Manufacturer | Model   | Serial Number | Calibration Date | Calibration Due |
| Coaxial Cable          | Woken        | WC12    | CC003         | 06/29/2020       | 06/28/2021      |
| Signal Analyzer        | R&S          | FSV 40  | 101073        | 09/17/2020       | 09/16/2021      |
| Power Meter            | Anritsu      | ML2487A | 6K00003260    | 05/21/2020       | 05/20/2021      |
| Power Seneor           | Anritsu      | MA2490A | 032910        | 05/21/2020       | 05/20/2021      |
| Software               | N/A          |         |               |                  |                 |

| Conducted Emission Room # B (Conduction(RF)) |                    |           |               |                  |                 |
|----------------------------------------------|--------------------|-----------|---------------|------------------|-----------------|
| Name of Equipment                            | Manufacturer       | Model     | Serial Number | Calibration Date | Calibration Due |
| CABLE                                        | EMCI               | CFD300-NL | CERF          | 06/29/2020       | 06/28/2021      |
| EMI Test Receiver                            | R&S                | ESCI      | 100064        | 07/17/2020       | 07/16/2021      |
| LISN                                         | SCHAFFNER          | NNB 41    | 03/10013      | 02/13/2020       | 02/12/2021      |
| Software                                     | EZ-EMC(CCS-3A1-CE) |           |               |                  |                 |

**Remark:**

1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.

## 1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

| EUT Accessories Equipment |           |       |       |            |        |
|---------------------------|-----------|-------|-------|------------|--------|
| No.                       | Equipment | Brand | Model | Series No. | FCC ID |
|                           | N/A       |       |       |            |        |

| Support Equipment |           |              |              |            |        |
|-------------------|-----------|--------------|--------------|------------|--------|
| No.               | Equipment | Brand        | Model        | Series No. | FCC ID |
| 1.                | Adapter   | WEIHAI POWER | HAS060123-EA | N/A        | N/A    |

## 1.8 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.407, KDB 789033 D02, KDB 905462 D02, RSS-247 Issue 2 and RSS-GEN Issue 5.



## 2. TEST SUMMARY

| FCC Standard Sec. | IC Standard Sec.                                                             | Chapter | Test Item                   | Result |
|-------------------|------------------------------------------------------------------------------|---------|-----------------------------|--------|
| 15.203            | -                                                                            | 1.3     | Antenna Requirement         | Pass   |
| 15.207            | RSS-Gen(8.8)                                                                 | 4.1     | AC Conducted Emission       | Pass   |
| 15.407(a)         | RSS-247(6.2.1.1)<br>RSS-247(6.2.2.1)<br>RSS-247(6.2.3.1)<br>RSS-247(6.2.4.1) | 4.2     | Output Power Measurement    | Pass   |
| 15.407(b)         | RSS-247(6.2.1.2)<br>RSS-247(6.2.2.2)<br>RSS-247(6.2.3.2)<br>RSS-247(6.2.4.2) | 4.3     | Radiation Band Edge         | Pass   |
| 15.407(b)         | RSS-247(6.2.1.2)<br>RSS-247(6.2.2.2)<br>RSS-247(6.2.3.2)<br>RSS-247(6.2.4.2) | 4.3     | Radiation Spurious Emission | Pass   |

### 3. DESCRIPTION OF TEST MODES

#### 3.1 THE EUT CHANNEL NUMBER OF OPERATING CONDITION

| Operation mode      | 1. IEEE 802.11a mode: 6Mbps<br>2. IEEE 802.11n HT 20 MHz mode: MCS0<br>3. IEEE 802.11n HT 40 MHz mode: MCS0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------|-----------------------|---------|--------------|------------------|------------------------|------------------|------------------------|------------|----------|--------------|------------------|------------------------|------------------|------------------------|------------|----------|--------------|------------------|------------------------|------------------|------------------------|------------------|---------|--------------|------------------|------------------------|------------------|------------------------|------------|
| Operating Frequency | <table><tr><th></th><th>Mode</th><th>Frequency Range (MHz)</th></tr><tr><td rowspan="3">U-NII-1</td><td>IEEE 802.11a</td><td>5180, 5220, 5240</td></tr><tr><td>IEEE 802.11n HT 20 MHz</td><td>5180, 5220, 5240</td></tr><tr><td>IEEE 802.11n HT 40 MHz</td><td>5190, 5230</td></tr><tr><td rowspan="3">U-NII-2a</td><td>IEEE 802.11a</td><td>5260, 5280, 5320</td></tr><tr><td>IEEE 802.11n HT 20 MHz</td><td>5260, 5280, 5320</td></tr><tr><td>IEEE 802.11n HT 40 MHz</td><td>5270, 5310</td></tr><tr><td rowspan="3">U-NII-2c</td><td>IEEE 802.11a</td><td>5500, 5580, 5700</td></tr><tr><td>IEEE 802.11n HT 20 MHz</td><td>5500, 5580, 5700</td></tr><tr><td>IEEE 802.11n HT 40 MHz</td><td>5510, 5550, 5670</td></tr><tr><td rowspan="3">U-NII-3</td><td>IEEE 802.11a</td><td>5745, 5785, 5825</td></tr><tr><td>IEEE 802.11n HT 20 MHz</td><td>5745, 5785, 5825</td></tr><tr><td>IEEE 802.11n HT 40 MHz</td><td>5755, 5795</td></tr></table> |                       | Mode | Frequency Range (MHz) | U-NII-1 | IEEE 802.11a | 5180, 5220, 5240 | IEEE 802.11n HT 20 MHz | 5180, 5220, 5240 | IEEE 802.11n HT 40 MHz | 5190, 5230 | U-NII-2a | IEEE 802.11a | 5260, 5280, 5320 | IEEE 802.11n HT 20 MHz | 5260, 5280, 5320 | IEEE 802.11n HT 40 MHz | 5270, 5310 | U-NII-2c | IEEE 802.11a | 5500, 5580, 5700 | IEEE 802.11n HT 20 MHz | 5500, 5580, 5700 | IEEE 802.11n HT 40 MHz | 5510, 5550, 5670 | U-NII-3 | IEEE 802.11a | 5745, 5785, 5825 | IEEE 802.11n HT 20 MHz | 5745, 5785, 5825 | IEEE 802.11n HT 40 MHz | 5755, 5795 |
|                     | Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Frequency Range (MHz) |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
| U-NII-1             | IEEE 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5180, 5220, 5240      |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
|                     | IEEE 802.11n HT 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5180, 5220, 5240      |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
|                     | IEEE 802.11n HT 40 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5190, 5230            |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
| U-NII-2a            | IEEE 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5260, 5280, 5320      |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
|                     | IEEE 802.11n HT 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5260, 5280, 5320      |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
|                     | IEEE 802.11n HT 40 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5270, 5310            |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
| U-NII-2c            | IEEE 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5500, 5580, 5700      |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
|                     | IEEE 802.11n HT 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5500, 5580, 5700      |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
|                     | IEEE 802.11n HT 40 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5510, 5550, 5670      |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
| U-NII-3             | IEEE 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5745, 5785, 5825      |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
|                     | IEEE 802.11n HT 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5745, 5785, 5825      |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |
|                     | IEEE 802.11n HT 40 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5755, 5795            |      |                       |         |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |            |          |              |                  |                        |                  |                        |                  |         |              |                  |                        |                  |                        |            |

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.
2. For Canada the EUT Frequency Range 5600~5650MHz will be disabled.

### 3.2 THE WORST MODE OF MEASUREMENT

| AC Power Line Conducted Emission |                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Test Condition                   | AC Power line conducted emission for line and neutral                                                                                      |
| Power supply Mode                | Mode 1: EUT power by Host Device.                                                                                                          |
| Worst Mode                       | <input checked="" type="checkbox"/> Mode 1 <input type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4 |

| Radiated Emission Measurement Below 1G |                                                                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Test Condition                         | Radiated Emission Below 1G                                                                                                                 |
| Power supply Mode                      | Mode 1: EUT power by Host Device.                                                                                                          |
| Worst Mode                             | <input checked="" type="checkbox"/> Mode 1 <input type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4 |

| Radiated Emission Measurement Above 1G |                                                                                                                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Condition                         | Radiated Emission Above 1G                                                                                                                                                                                                                                                                    |
| Power supply Mode                      | Mode 1: EUT power by Host Device.                                                                                                                                                                                                                                                             |
| Worst Mode                             | <input checked="" type="checkbox"/> Mode 1 <input type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4                                                                                                                                                    |
| Worst Position                         | <input type="checkbox"/> Placed in fixed position.<br><input type="checkbox"/> Placed in fixed position at X-Plane (E2-Plane)<br><input checked="" type="checkbox"/> Placed in fixed position at Y-Plane (E1-Plane)<br><input type="checkbox"/> Placed in fixed position at Z-Plane (H-Plane) |

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Y-Plane) were recorded in this report
3. AC power line conducted emission and for below 1G radiation emission were performed the EUT transmit at the highest output power channel as worse case.

Report No.: T200908W02-RP4

### 3.3 EUT DUTY CYCLE

Temperature: 23.6°C

Humidity: 55% RH

Tested by: Rick Lee

Test Date: October 15, 2020

| Duty Cycle    |                |                                            |           |                   |
|---------------|----------------|--------------------------------------------|-----------|-------------------|
| Configuration | Duty Cycle (%) | Duty Factor (dB)<br>=10*log (1/Duty Cycle) | 1/T (kHz) | VBW setting (kHz) |
| 802.11a       | 97.48%         | 0.11                                       | 0.72      | 1.00              |
| 802.11n HT20  | 97.31%         | 0.12                                       | 0.77      | 1.00              |
| 802.11n HT40  | 94.93%         | 0.23                                       | 1.54      | 2.00              |



## 4. TEST RESULT

### 4.1 AC POWER LINE CONDUCTED EMISSION

#### 4.1.1 Test Limit

According to §15.207(a) and RSS-GEN section 8.8,

| Frequency Range<br>(MHz) | Limits(dBμV) |           |
|--------------------------|--------------|-----------|
|                          | Quasi-peak   | Average   |
| 0.15 to 0.50             | 66 to 56*    | 56 to 46* |
| 0.50 to 5                | 56           | 46        |
| 5 to 30                  | 60           | 50        |

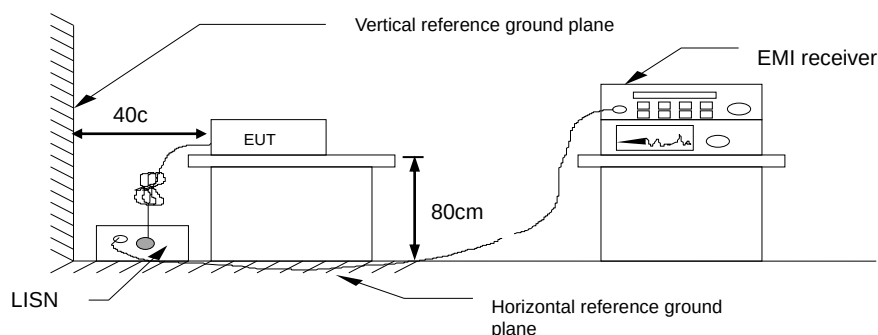
\* Decreases with the logarithm of the frequency.

#### 4.1.2 Test Procedure

Test method Refer as ANSI C63.10: 2013 clause 6.2,

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

#### 4.1.3 Test Setup

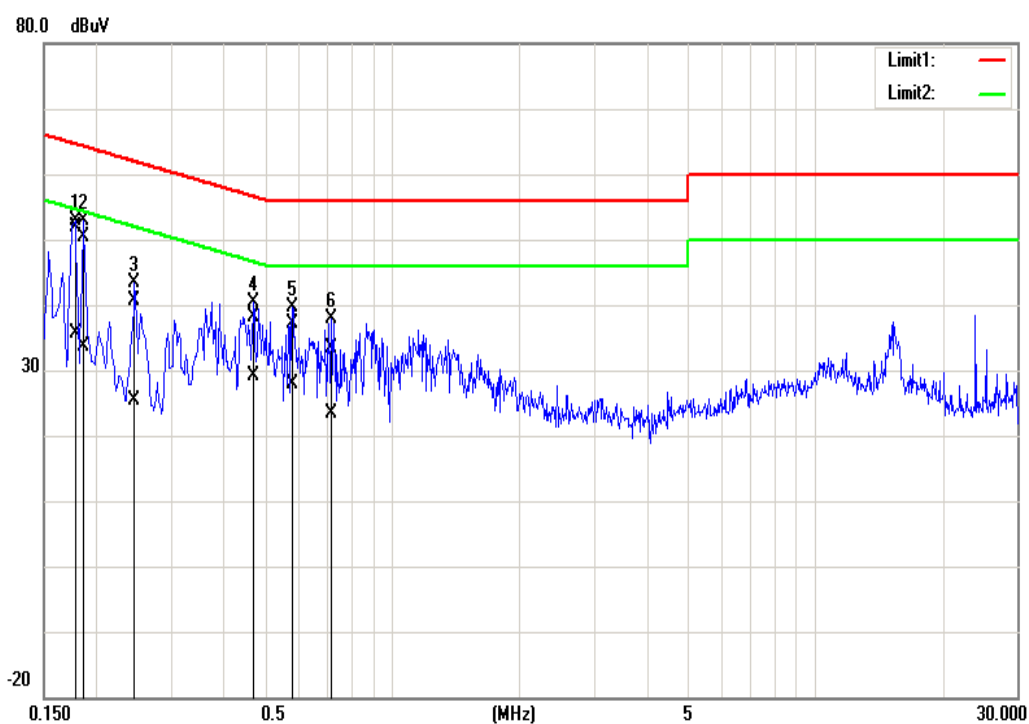


#### 4.1.4 Test Result

Pass.

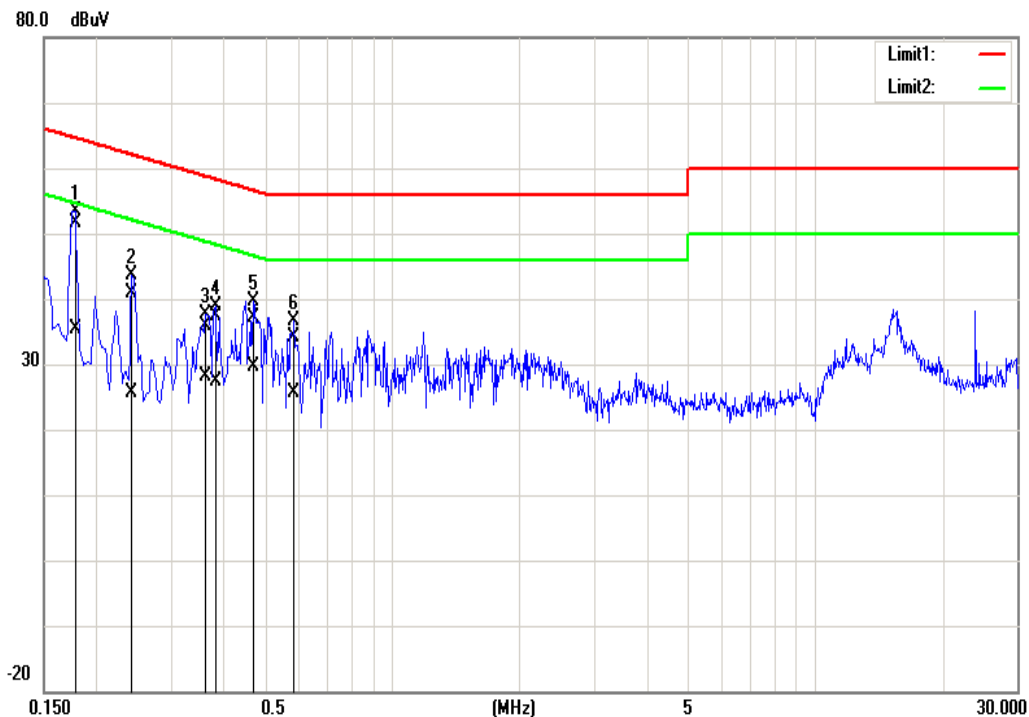
## Test Data

|            |        |               |                  |
|------------|--------|---------------|------------------|
| Test Mode: | Mode 1 | Temp/Hum      | 24(°C)/ 50%RH    |
| Phase:     | Line   | Test Date     | October 15, 2020 |
|            |        | Test Engineer | Rick Lee         |



| Frequency (MHz) | Quasi Peak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | Quasi Peak result (dBuV) | Average result (dBuV) | Quasi Peak limit (dBuV) | Average limit (dBuV) | Quasi Peak margin (dB) | Average margin (dB) | Remark |
|-----------------|---------------------------|------------------------|------------------------|--------------------------|-----------------------|-------------------------|----------------------|------------------------|---------------------|--------|
| 0.1780          | 41.78                     | 25.46                  | 10.21                  | 51.99                    | 35.67                 | 64.58                   | 54.58                | -12.59                 | -18.91              | Pass   |
| 0.1860          | 40.24                     | 23.34                  | 10.21                  | 50.45                    | 33.55                 | 64.21                   | 54.21                | -13.76                 | -20.66              | Pass   |
| 0.2460          | 30.33                     | 15.07                  | 10.21                  | 40.54                    | 25.28                 | 61.89                   | 51.89                | -21.35                 | -26.61              | Pass   |
| 0.4700          | 27.79                     | 19.01                  | 10.22                  | 38.01                    | 29.23                 | 56.51                   | 46.51                | -18.50                 | -17.28              | Pass   |
| 0.5820          | 26.96                     | 17.63                  | 10.22                  | 37.18                    | 27.85                 | 56.00                   | 46.00                | -18.82                 | -18.15              | Pass   |
| 0.7180          | 23.24                     | 13.26                  | 10.24                  | 33.48                    | 23.50                 | 56.00                   | 46.00                | -22.52                 | -22.50              | Pass   |

|            |         |               |                  |
|------------|---------|---------------|------------------|
| Test Mode: | Mode 1  | Temp/Hum      | 24(°C)/ 50%RH    |
| Phase:     | Neutral | Test Date     | October 15, 2020 |
|            |         | Test Engineer | Rick Lee         |



| Frequency (MHz) | Quasi Peak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | Quasi Peak result (dBuV) | Average result (dBuV) | Quasi Peak limit (dBuV) | Average limit (dBuV) | Quasi Peak margin (dB) | Average margin (dB) | Remark |
|-----------------|---------------------------|------------------------|------------------------|--------------------------|-----------------------|-------------------------|----------------------|------------------------|---------------------|--------|
| 0.1780          | 41.52                     | 25.17                  | 10.19                  | 51.71                    | 35.36                 | 64.58                   | 54.58                | -12.87                 | -19.22              | Pass   |
| 0.2420          | 30.58                     | 15.53                  | 10.19                  | 40.77                    | 25.72                 | 62.03                   | 52.03                | -21.26                 | -26.31              | Pass   |
| 0.3596          | 25.80                     | 17.93                  | 10.19                  | 35.99                    | 28.12                 | 58.74                   | 48.74                | -22.75                 | -20.62              | Pass   |
| 0.3820          | 27.20                     | 17.23                  | 10.19                  | 37.39                    | 27.42                 | 58.24                   | 48.24                | -20.85                 | -20.82              | Pass   |
| 0.4700          | 27.06                     | 19.42                  | 10.19                  | 37.25                    | 29.61                 | 56.51                   | 46.51                | -19.26                 | -16.90              | Pass   |
| 0.5860          | 24.00                     | 15.37                  | 10.19                  | 34.19                    | 25.56                 | 56.00                   | 46.00                | -21.81                 | -20.44              | Pass   |

## 4.2 OUTPUT POWER MEASUREMENT

### 4.2.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3), and RSS-247 section 6.2.1.1, section 6.2.2.1, section 6.2.3.1 and section 6.2.4.1

#### FCC:

##### UNII-1 :

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW(24 dBm), whichever power is less. B is the 99% emission bandwidth in megahertz, provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### UNII-2a and 2c:

the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. and The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.



**IC:****UNII-1 :**

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or  $1.76 + 10 \log_{10} B$ , dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or  $10 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

**UNII-2a and 2c:**

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or  $1.76 + 10 \log_{10} B$ , dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

Devices, other than devices installed in vehicles, shall comply with the following:

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

**UNII-2c (5470-5600 MHz and 5650-5725 MHz)**

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

**UNII-3:**

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

|                  |                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNII-1 Limit     | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 24dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 24 – (DG – 6)] |
| UNII-2a/2c Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 24dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 24 – (DG – 6)] |
| UNII-3 Limit     | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 30 – (DG – 6)] |

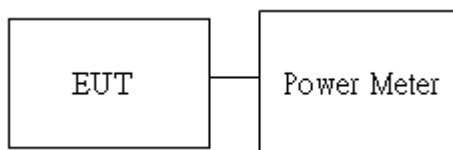
## 4.2.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz and 40MHz, E.2.b for BW 80MHz.

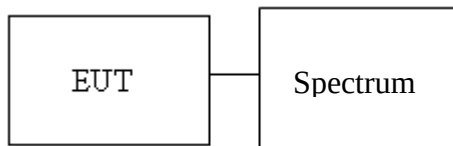
1. The EUT RF output connected to the power meter or spectrum by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

## 4.2.3 Test Setup

For BW 20MHz and 40MHz



For BW 80MHz



## 4.2.4 Test Result

### Conducted output power :

| UNII-1                                  |    |             |           |                |                           |                    |                         |                 |             |                  |
|-----------------------------------------|----|-------------|-----------|----------------|---------------------------|--------------------|-------------------------|-----------------|-------------|------------------|
| Config                                  | CH | Freq. (MHz) | Power Set | AV Power (dBm) | EIRP AV Total Power (dBm) | AV Total Power (W) | EIRP AV Total Power (W) | Ant. Gain (dBi) | Limit (dBm) | EIRP Limit (dBm) |
| IEEE 802.11a<br>Data rate: 6Mbps        | 36 | 5180        | 17.0      | 16.06          | 16.21                     | 0.0404             | 0.0418                  | 0.15            | 24          | 23               |
|                                         | 44 | 5220        | 17.0      | 16.02          | 16.17                     | 0.0400             | 0.0414                  |                 |             |                  |
|                                         | 48 | 5240        | 17.0      | <b>16.33</b>   | 16.48                     | 0.0430             | 0.0445                  |                 |             |                  |
| IEEE 802.11n<br>HT20<br>Data rate: MCS0 | 36 | 5180        | 17.0      | <b>16.20</b>   | 16.35                     | 0.0417             | 0.0432                  |                 |             |                  |
|                                         | 44 | 5220        | 17.0      | 16.01          | 16.16                     | 0.0399             | 0.0413                  |                 |             |                  |
|                                         | 48 | 5240        | 17.0      | 16.13          | 16.28                     | 0.0410             | 0.0425                  |                 |             |                  |
| IEEE 802.11n<br>HT40<br>Data rate: MCS0 | 38 | 5190        | 15.0      | 14.61          | 14.76                     | 0.0289             | 0.0299                  |                 |             |                  |
|                                         | 46 | 5230        | 17.0      | <b>16.24</b>   | 16.39                     | 0.0421             | 0.0436                  |                 |             |                  |



Report No.: T200908W02-RP4

Page: 20 / 133

Rev.: 00

| UNII-2a                                       |    |                |           |                   |                                    |                          |                               |                       |                |                        |
|-----------------------------------------------|----|----------------|-----------|-------------------|------------------------------------|--------------------------|-------------------------------|-----------------------|----------------|------------------------|
| Config                                        | CH | Freq.<br>(MHz) | Power Set | AV Power<br>(dBm) | EIRP AV<br>Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | EIRP AV<br>Total Power<br>(W) | Ant.<br>Gain<br>(dBi) | Limit<br>(dBm) | EIRP<br>Limit<br>(dBm) |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps        | 52 | 5260           | 17.0      | <b>15.53</b>      | 15.68                              | 0.0357                   | 0.0370                        | 0.15                  | 24             | 30                     |
|                                               | 56 | 5280           | 17.0      | 15.50             | 15.65                              | 0.0355                   | 0.0367                        |                       |                |                        |
|                                               | 64 | 5320           | 17.0      | 15.36             | 15.51                              | 0.0344                   | 0.0356                        |                       |                |                        |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0 | 52 | 5260           | 17.0      | <b>15.96</b>      | 16.11                              | 0.0394                   | 0.0408                        |                       |                |                        |
|                                               | 56 | 5280           | 17.0      | 15.88             | 16.03                              | 0.0387                   | 0.0401                        |                       |                |                        |
|                                               | 64 | 5320           | 17.0      | 15.71             | 15.86                              | 0.0372                   | 0.0385                        |                       |                |                        |
| IEEE<br>802.11n<br>HT40<br>Data rate:<br>MCS0 | 54 | 5270           | 17.0      | <b>15.81</b>      | 15.96                              | 0.0381                   | 0.0394                        |                       |                |                        |
|                                               | 62 | 5310           | 15.0      | 14.46             | 14.61                              | 0.0279                   | 0.0289                        |                       |                |                        |

| UNII-2c                                 |     |             |           |                |                           |                    |                         |          |             |                  |
|-----------------------------------------|-----|-------------|-----------|----------------|---------------------------|--------------------|-------------------------|----------|-------------|------------------|
| Config                                  | CH  | Freq. (MHz) | Power Set | AV Power (dBm) | EIRP AV Total Power (dBm) | AV Total Power (W) | EIRP AV Total Power (W) | DG (dBi) | Limit (dBm) | EIRP Limit (dBm) |
| IEEE 802.11a<br>Data rate: 6Mbps        | 100 | 5500        | 17.0      | 15.60          | 15.79                     | 0.0363             | 0.0379                  | 0.19     | 24          | 30               |
|                                         | 116 | 5580        | 17.0      | <b>15.73</b>   | 15.92                     | 0.0374             | 0.0391                  |          |             |                  |
|                                         | 140 | 5700        | 15.5      | 15.14          | 15.33                     | 0.0327             | 0.0341                  |          |             |                  |
| IEEE 802.11n<br>HT20<br>Data rate: MCS0 | 100 | 5500        | 16.0      | 15.50          | 15.69                     | 0.0355             | 0.0371                  |          |             |                  |
|                                         | 116 | 5580        | 17.0      | <b>15.56</b>   | 15.75                     | 0.0360             | 0.0376                  |          |             |                  |
|                                         | 140 | 5700        | 14.0      | 13.49          | 13.68                     | 0.0223             | 0.0233                  |          |             |                  |
| IEEE 802.11n<br>HT40<br>Data rate: MCS0 | 102 | 5510        | 12.0      | 11.78          | 11.97                     | 0.0151             | 0.0157                  |          |             |                  |
|                                         | 110 | 5550        | 17.0      | <b>16.22</b>   | 16.41                     | 0.0419             | 0.0438                  |          |             |                  |
|                                         | 134 | 5670        | 14.0      | 13.97          | 14.16                     | 0.0249             | 0.0261                  |          |             |                  |



Report No.: T200908W02-RP4

Page: 22 / 133

Rev.: 00

| UNII-3                                        |     |                |              |                      |                                    |                          |                                  |             |                |
|-----------------------------------------------|-----|----------------|--------------|----------------------|------------------------------------|--------------------------|----------------------------------|-------------|----------------|
| Config                                        | CH  | Freq.<br>(MHz) | Power<br>Set | AV<br>Power<br>(dBm) | EIRP AV<br>Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | EIRP AV<br>Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps        | 149 | 5745           | 15.0         | 13.13                | 12.27                              | 0.0206                   | 0.0169                           | -0.86       | 30             |
|                                               | 157 | 5785           | 15.0         | <b>13.23</b>         | 12.37                              | 0.0210                   | 0.0173                           |             |                |
|                                               | 165 | 5825           | 15.0         | 13.16                | 12.30                              | 0.0207                   | 0.0170                           |             |                |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0 | 149 | 5745           | 15.0         | 13.21                | 12.35                              | 0.0209                   | 0.0172                           |             |                |
|                                               | 157 | 5785           | 15.0         | <b>13.34</b>         | 12.48                              | 0.0216                   | 0.0177                           |             |                |
|                                               | 165 | 5825           | 15.0         | 13.14                | 12.28                              | 0.0206                   | 0.0169                           |             |                |
| IEEE<br>802.11n<br>HT40<br>Data rate:<br>MCS0 | 151 | 5755           | 15.0         | <b>13.26</b>         | 12.40                              | 0.0212                   | 0.0174                           |             |                |
|                                               | 159 | 5795           | 15.0         | 13.21                | 12.35                              | 0.0209                   | 0.0172                           |             |                |

## 4.3 RADIATION Bandedge and Spurious Emission

### 4.3.1 Test Limit

According to §15.407, §15.209 and §15.205,  
According to RSS-247 section 6.2.1.2 and section 6.2.4.2

#### Below 30 MHz

| Frequency     | Field Strength<br>(microvolts/m) | Magnetic<br>H-Field<br>(microamperes/m) | Measurement<br>Distance<br>(metres) |
|---------------|----------------------------------|-----------------------------------------|-------------------------------------|
| 9-490 kHz     | 2,400/F (F in kHz)               | 2,400/F (F in kHz)                      | 300                                 |
| 490-1,705 kHz | 24,000/F (F in kHz)              | 24,000/F (F in kHz)                     | 30                                  |
| 1.705-30 MHz  | 30                               | N/A                                     | 30                                  |

#### Above 30 MHz

| Frequency<br>(MHz) | Field Strength<br>microvolts/m at 3 metres (watts, e.i.r.p.) |              |
|--------------------|--------------------------------------------------------------|--------------|
|                    | Transmitters                                                 | Receivers    |
| 30-88              | 100 (3 nW)                                                   | 100 (3 nW)   |
| 88-216             | 150 (6.8 nW)                                                 | 150 (6.8 nW) |
| 216-960            | 200 (12 nW)                                                  | 200 (12 nW)  |
| Above 960          | 500 (75 nW)                                                  | 500 (75 nW)  |

#### RSS-Gen Table 3 and Table 5 – General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz <sup>(Note)</sup>

| Frequency<br>(MHz) | Field Strength<br>microvolts/m at 3 metres (watts, e.i.r.p.) |              |
|--------------------|--------------------------------------------------------------|--------------|
|                    | Transmitters                                                 | Receivers    |
| 30-88              | 100 (3 nW)                                                   | 100 (3 nW)   |
| 88-216             | 150 (6.8 nW)                                                 | 150 (6.8 nW) |
| 216-960            | 200 (12 nW)                                                  | 200 (12 nW)  |
| Above 960          | 500 (75 nW)                                                  | 500 (75 nW)  |

**Note:** Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with Section 6.6.

**RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)**

| Frequency                 | Magnetic field strength (H-Field) ( $\mu\text{A/m}$ ) | Measurement Distance (m) |
|---------------------------|-------------------------------------------------------|--------------------------|
| 9-490 kHz <sup>Note</sup> | 6.37/F (F in kHz)                                     | 300                      |
| 490-1,705 kHz             | 63.7/F (F in kHz)                                     | 30                       |
| 1.705-30 MHz              | 0.08                                                  | 30                       |

**Note:** The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector..

**UNII-1 :**

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz. Otherwise, the transmission is considered as intentional and the devices shall implement dynamic frequency selection (DFS) and transmitter power control (TPC) as per the requirements for the band 5250-5350 MHz

**UNII-2a and 2c :**

For devices with operating frequencies in the band 5250-5350 MHz but having a channel bandwidth that overlaps the band 5150-5250 MHz, the devices' unwanted emission shall not exceed -27 dBm/MHz e.i.r.p. outside the band 5150-5350 MHz and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device shall be labelled "for indoor use only." Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

**UNII-3:**

For the band 5725-5850 MHz, emissions at frequencies from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p.  
For emissions at frequencies more than 10 MHz above or below the band edges, the emissions power shall not exceed -27 dBm/MHz



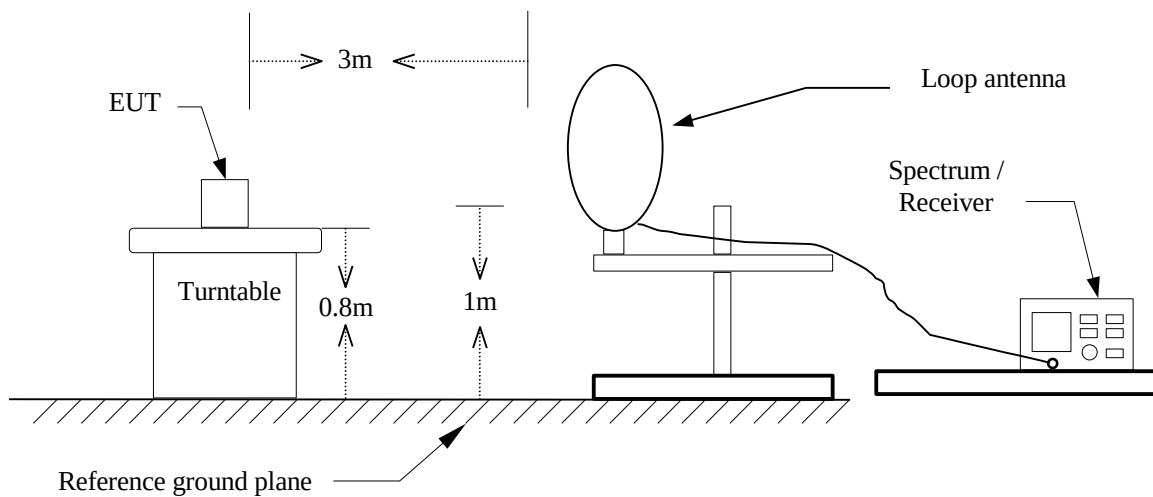
### 4.3.2 Test Procedure

Test method Refer as KDB 789033 D02.

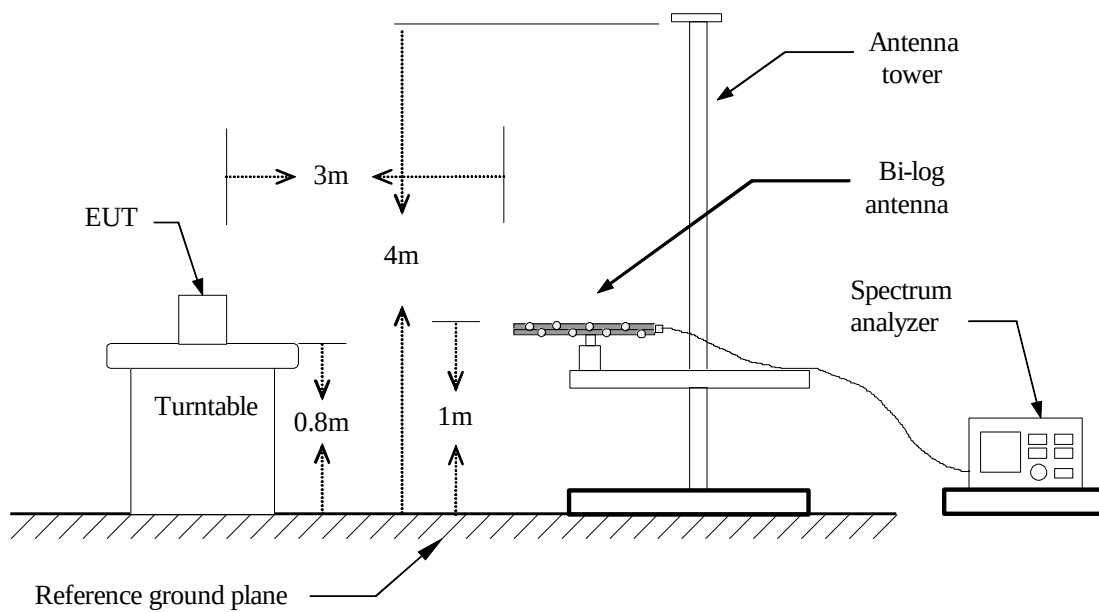
1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.
4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)
5. The SA setting following :
  - (1) Below 1G : RBW = 100kHz, VBW  $\geq 3 \times$  RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
  - (2) Above 1G :
    - (2.1) For Peak measurement : RBW = 1MHz, VBW  $\geq 3$  RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
    - (2.2) For Average measurement : RBW = 1MHz, VBW
      - If Duty Cycle  $\geq 98\%$ , VBW=10Hz.
      - If Duty Cycle  $< 98\%$ , VBW=1/T.

## 4.3.3 Test Setup

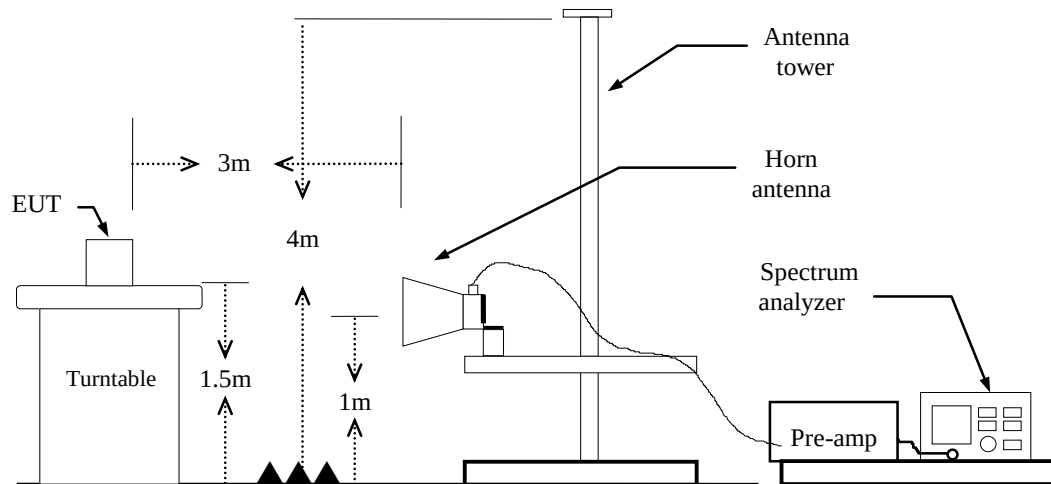
### 9kHz ~ 30MHz



### 30MHz ~ 1GHz



## Above 1 GHz

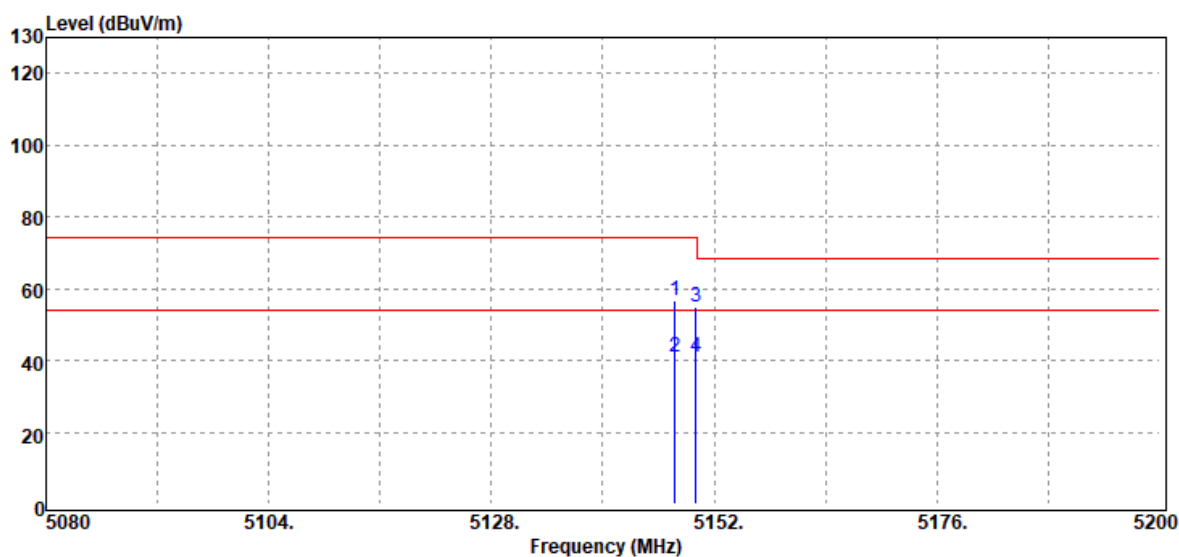


### 4.3.4 Test Result

#### Band Edge Test Data

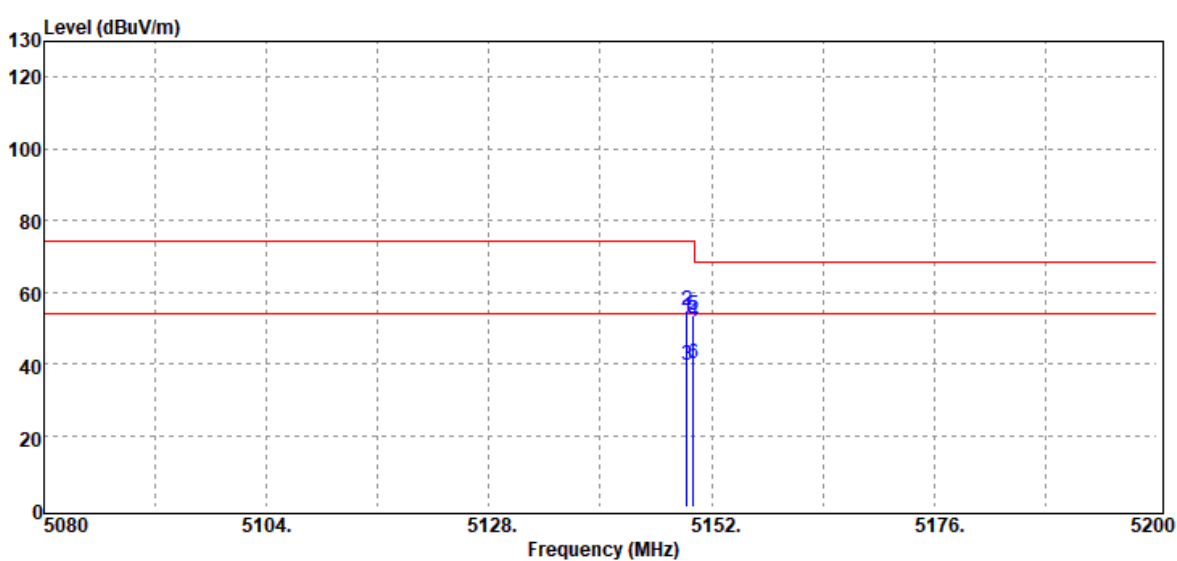
##### Test Data for UNII-1

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge              | Test Date     | October 12, 2020 |
| Polarize  | Vertical               | Test Engineer | Ray Li           |
| Detector  | Peak and Average       |               |                  |



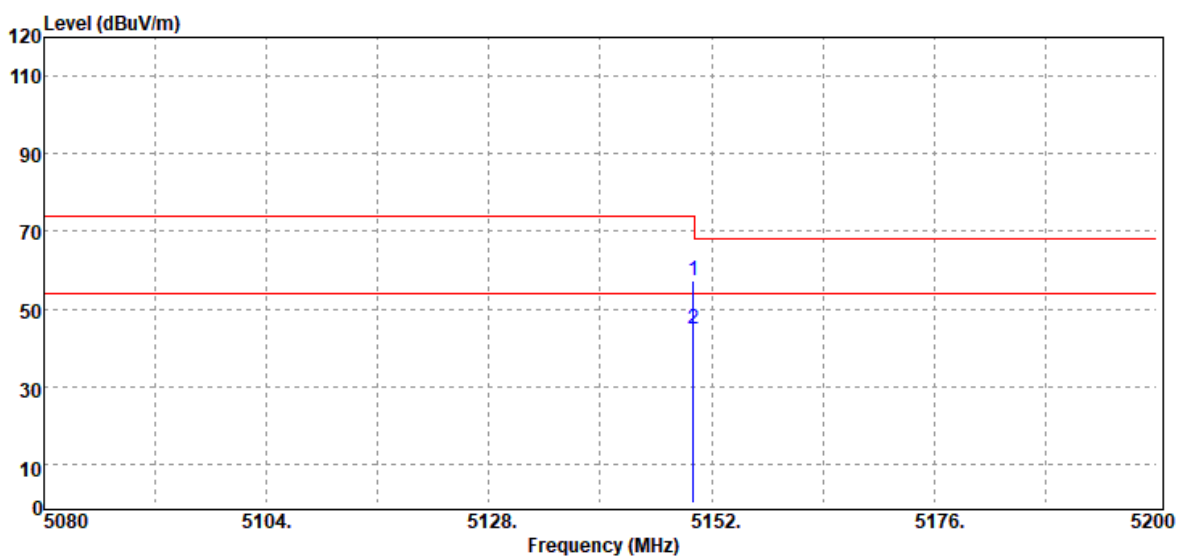
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5147.80         | Peak                     | 49.34                         | 7.34        | 56.68              | 74.00              | -17.32      |
| 5147.80         | Average                  | 33.65                         | 7.34        | 40.99              | 54.00              | -13.01      |
| 5150.00         | Peak                     | 47.73                         | 7.36        | 55.09              | 74.00              | -18.91      |
| 5150.00         | Average                  | 33.75                         | 7.36        | 41.11              | 54.00              | -12.89      |

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge              | Test Date     | October 12, 2020 |
| Polarize  | Horizontal             | Test Engineer | Ray Li           |
| Detector  | Peak / Average         |               |                  |



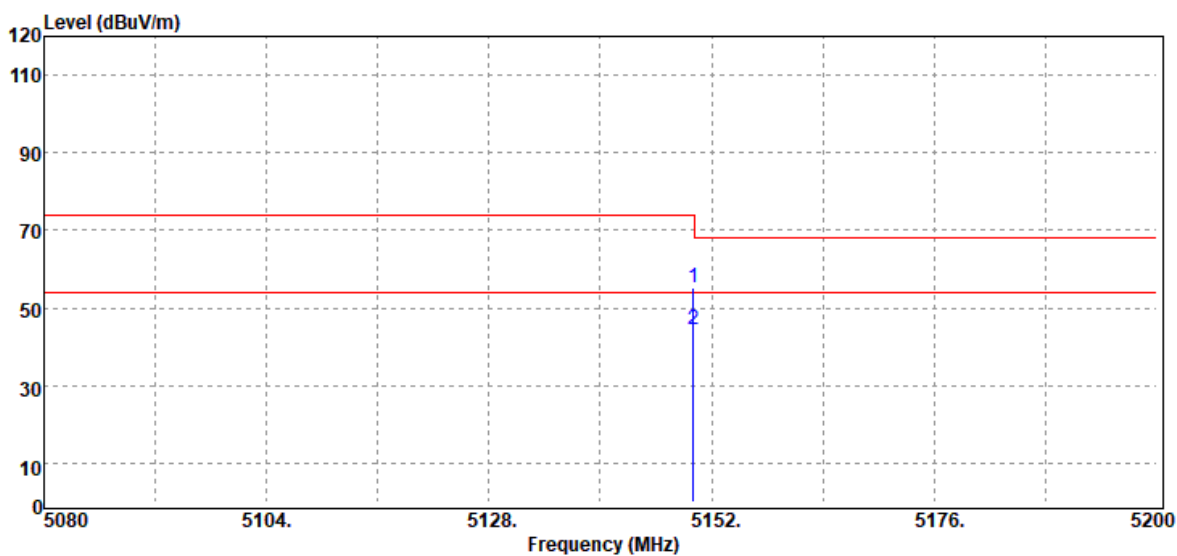
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5149.36         | Peak                     | 45.73                         | 7.36        | 53.09              | 74.00              | -20.91      |
| 5149.36         | Peak                     | 47.73                         | 7.36        | 55.09              | 74.00              | -18.91      |
| 5149.36         | Average                  | 32.31                         | 7.36        | 39.67              | 54.00              | -14.33      |
| 5150.00         | Peak                     | 44.17                         | 7.36        | 51.53              | 74.00              | -22.47      |
| 5150.00         | Peak                     | 46.17                         | 7.36        | 53.53              | 74.00              | -20.47      |
| 5150.00         | Average                  | 32.48                         | 7.36        | 39.84              | 54.00              | -14.16      |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5180MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



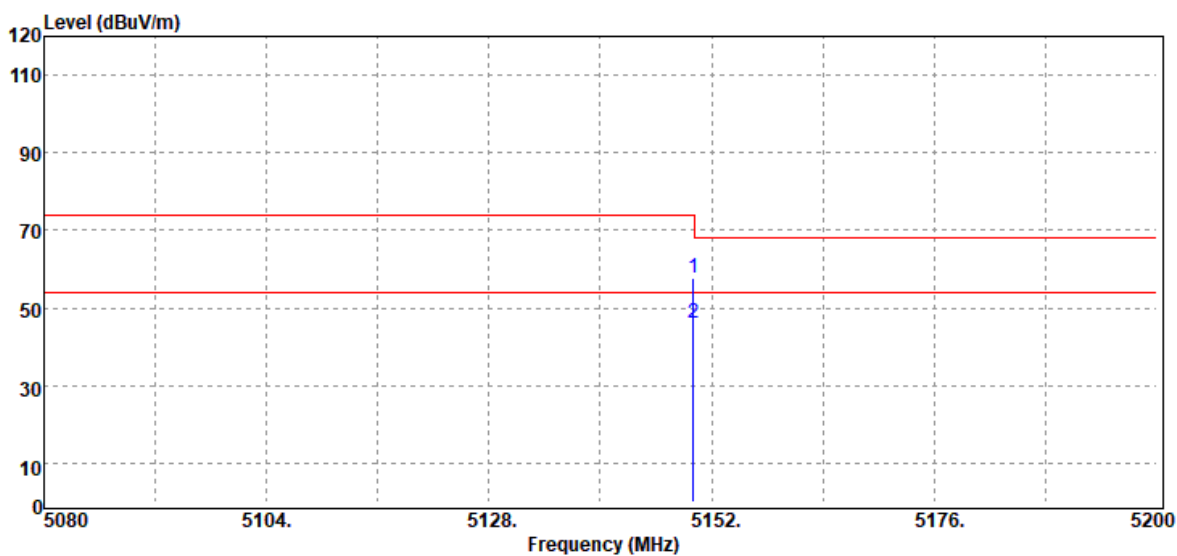
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5150.00         | Peak                     | 49.99                         | 7.36        | 57.35              | 74.00              | -16.65      |
| 5150.00         | Average                  | 37.52                         | 7.36        | 44.88              | 54.00              | -9.12       |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5180MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                    | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5150.00         | Peak                     | 47.82                         | 7.36        | 55.18              | 74.00              | -18.82      |
| 5150.00         | Average                  | 37.19                         | 7.36        | 44.55              | 54.00              | -9.45       |

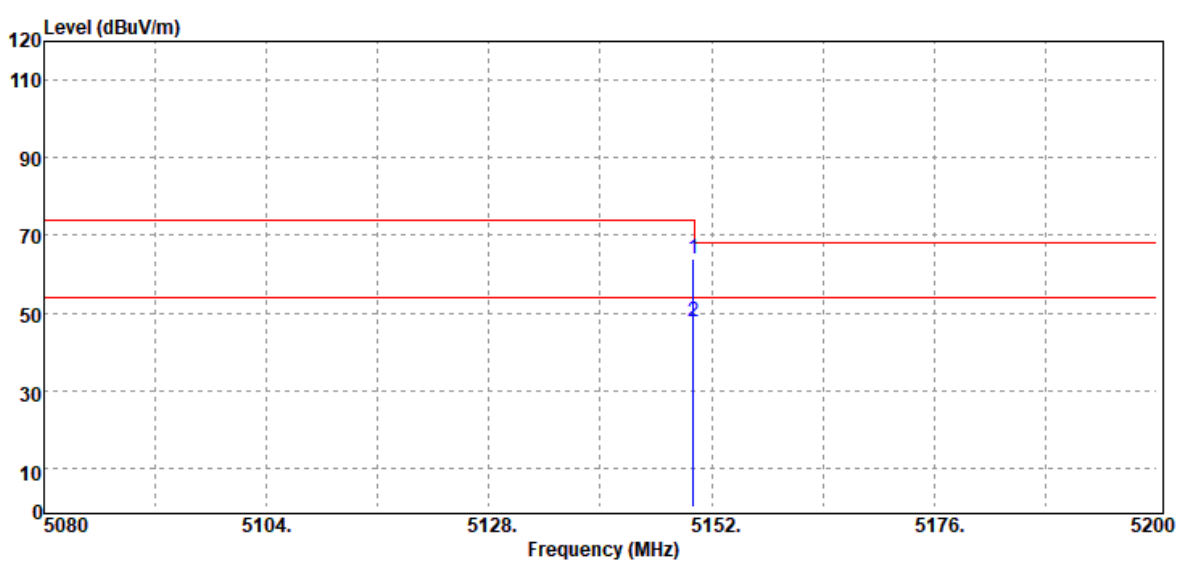
|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5190MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5150.00         | Peak                     | 50.39                         | 7.36        | 57.75              | 74.00              | -16.25      |
| 5150.00         | Average                  | 38.60                         | 7.36        | 45.96              | 54.00              | -8.04       |



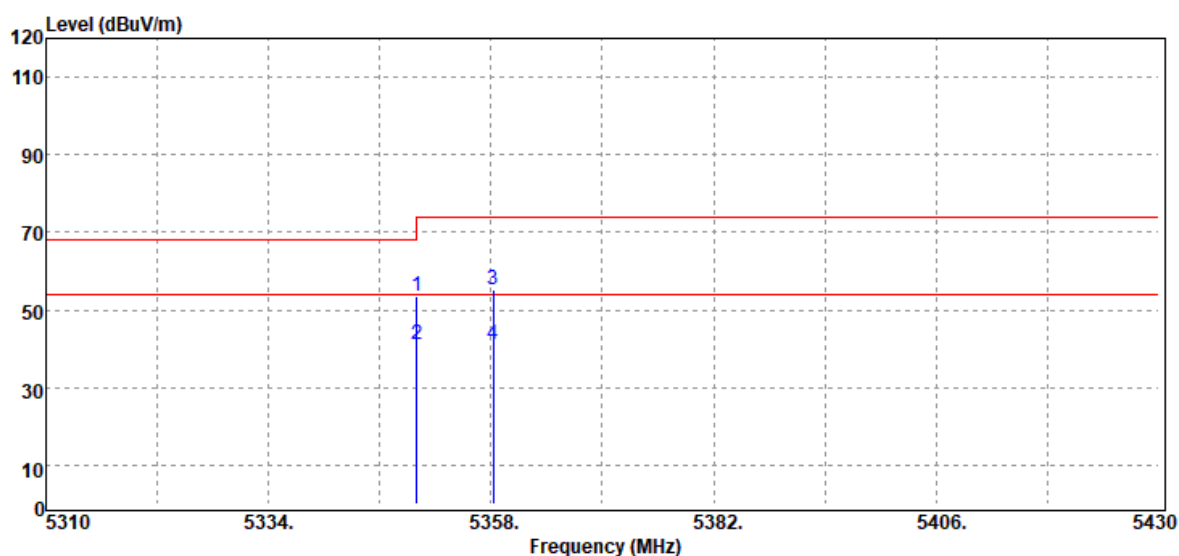
|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5190MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5150.00         | Peak                     | 56.56                         | 7.36        | 63.92              | 74.00              | -10.08      |
| 5150.00         | Average                  | 40.35                         | 7.36        | 47.71              | 54.00              | -6.29       |

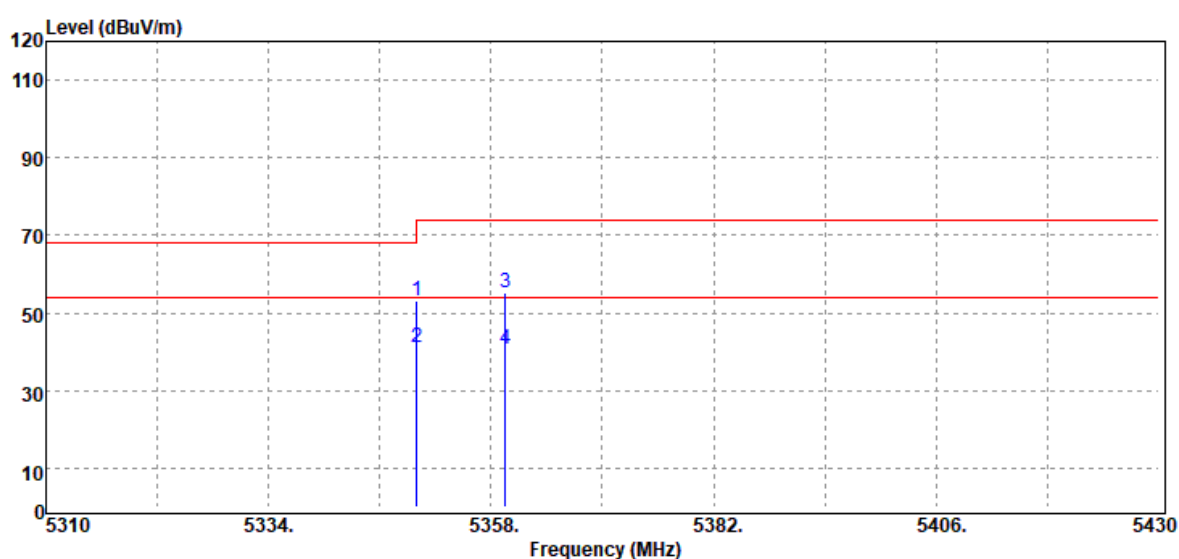
### Test Data for UNII-2a

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5320 MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge               | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak and Average        |               |                  |



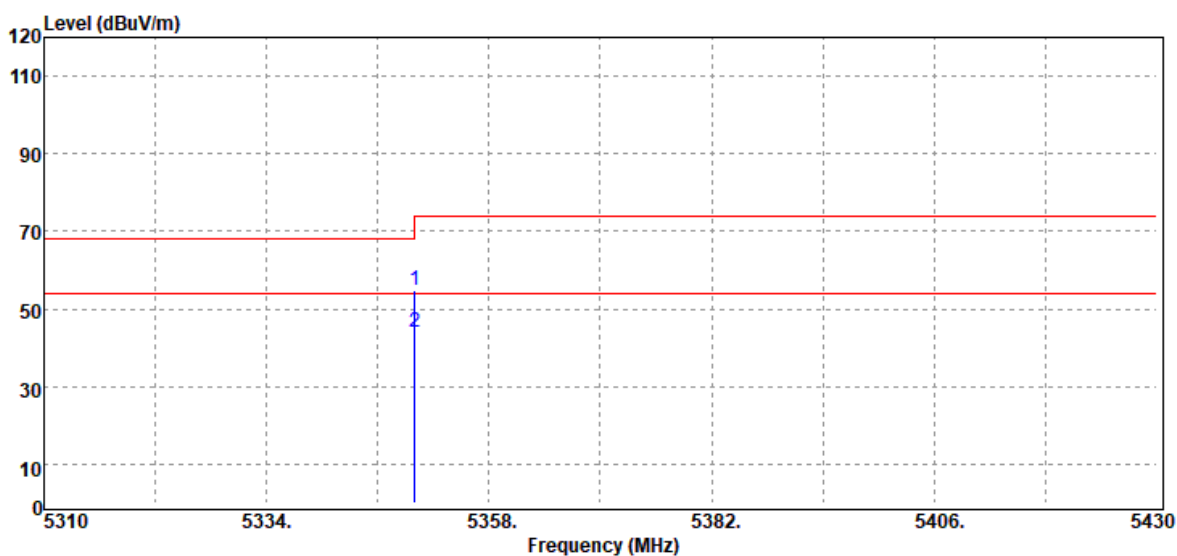
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5350.00         | Peak                     | 45.35                         | 8.19        | 53.54              | 74.00              | -20.46      |
| 5350.00         | Average                  | 32.86                         | 8.19        | 41.05              | 54.00              | -12.95      |
| 5358.24         | Peak                     | 47.17                         | 8.25        | 55.42              | 74.00              | -18.58      |
| 5358.24         | Average                  | 32.74                         | 8.25        | 40.99              | 54.00              | -13.01      |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5320 MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge               | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak and Average        |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5350.00         | Peak                     | 45.07                         | 8.19        | 53.26              | 74.00              | -20.74      |
| 5350.00         | Average                  | 32.95                         | 8.19        | 41.14              | 54.00              | -12.86      |
| 5359.56         | Peak                     | 46.83                         | 8.27        | 55.10              | 74.00              | -18.90      |
| 5359.56         | Average                  | 32.53                         | 8.27        | 40.80              | 54.00              | -13.20      |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5350.00            | Peak                           | 46.74                               | 8.19           | 54.93                    | 74.00                    | -19.07         |
| 5350.00            | Average                        | 35.79                               | 8.19           | 43.98                    | 54.00                    | -10.02         |

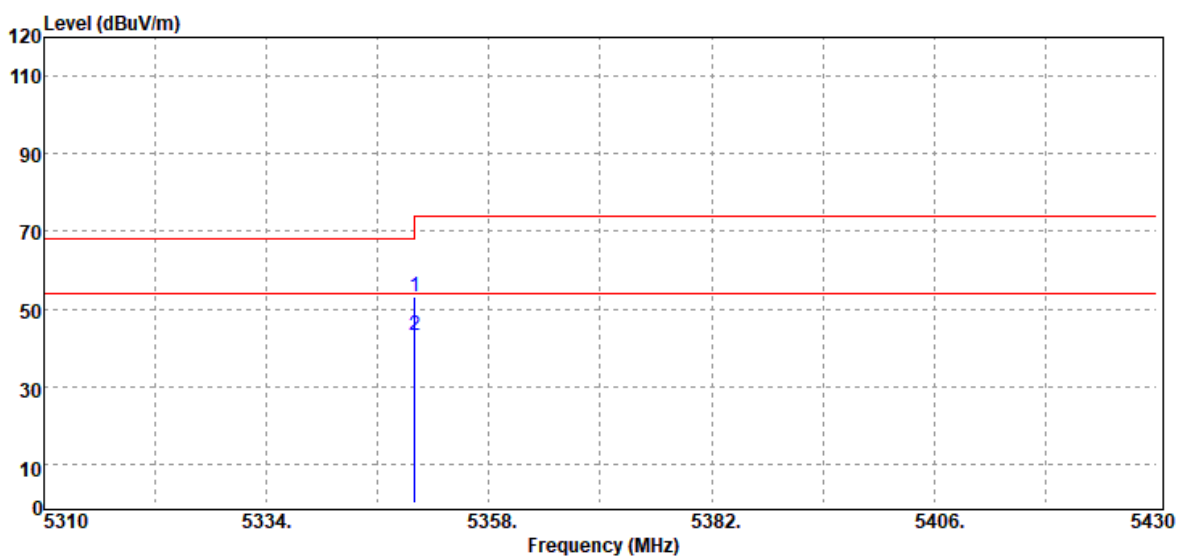


Report No.: T200908W02-RP4

Page: 37 / 133

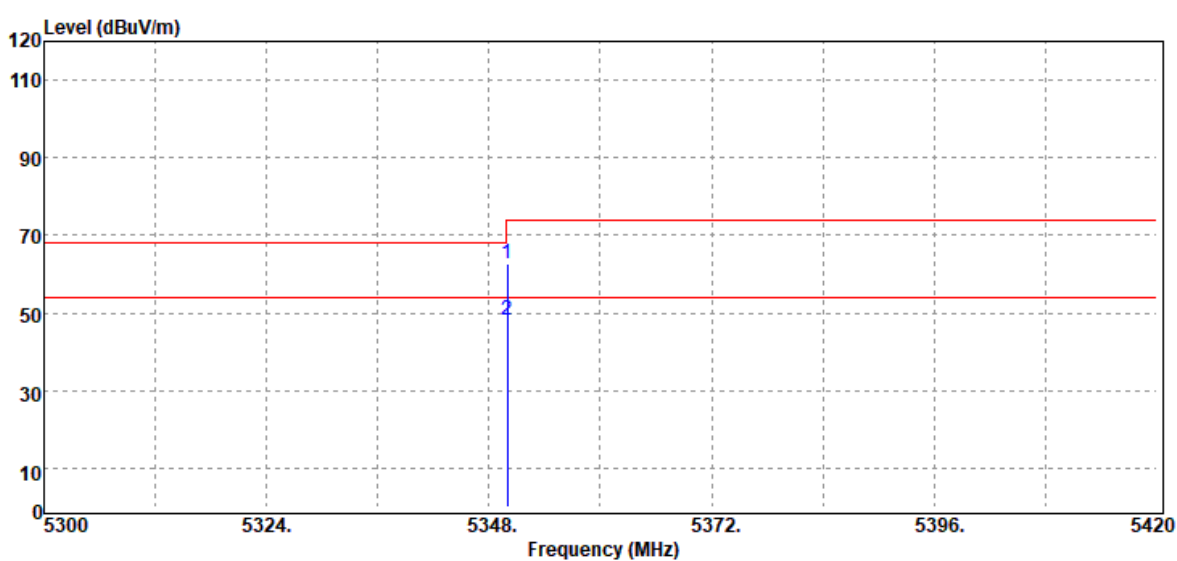
Rev.: 00

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                    | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



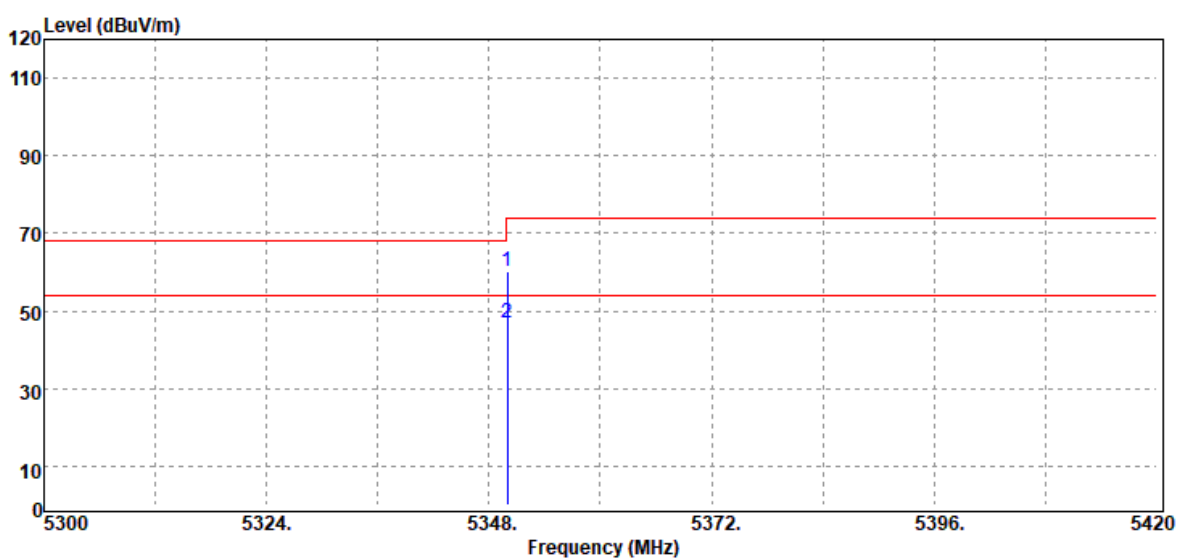
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBUV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5350.00         | Peak                     | 45.06                         | 8.19        | 53.25              | 74.00              | -20.75      |
| 5350.00         | Average                  | 34.84                         | 8.19        | 43.03              | 54.00              | -10.97      |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5350.00         | Peak                     | 54.67                         | 8.19        | 62.86              | 74.00              | -11.14      |
| 5350.00         | Average                  | 39.86                         | 8.19        | 48.05              | 54.00              | -5.95       |

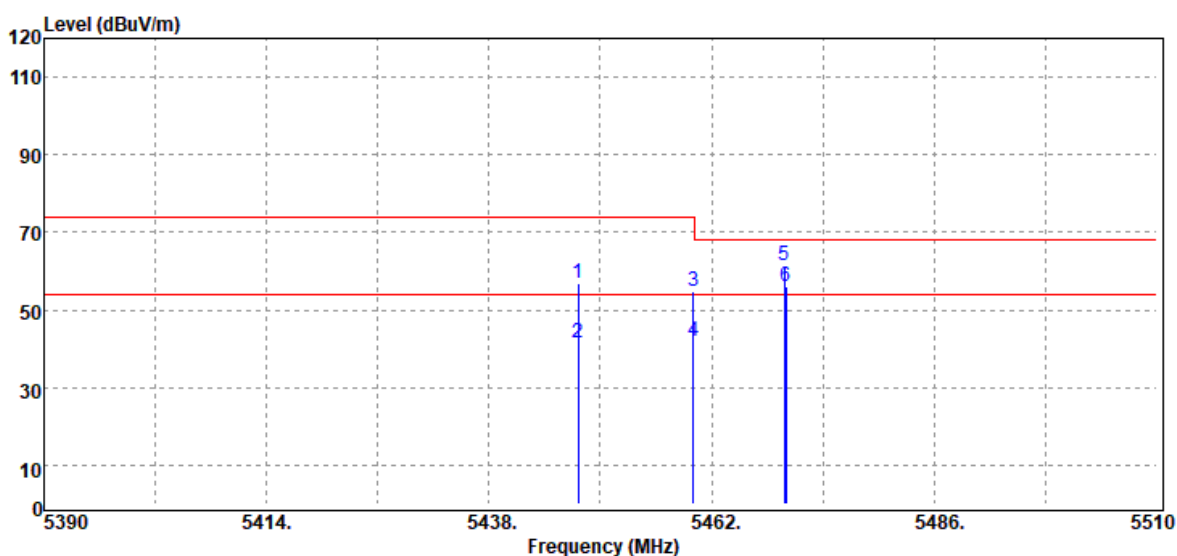
|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                    | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5350.00         | Peak                     | 51.95                         | 8.19        | 60.14              | 74.00              | -13.86      |
| 5350.00         | Average                  | 38.55                         | 8.19        | 46.74              | 54.00              | -7.26       |

### Test Data for UNII-2c

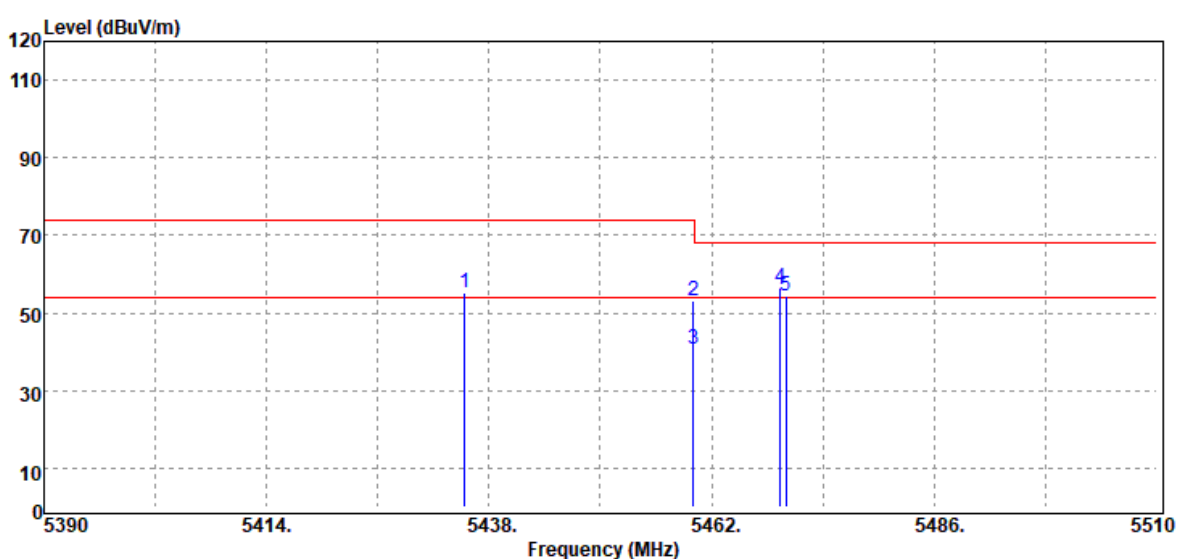
|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5500MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge              | Test Date     | October 12, 2020 |
| Polarize  | Vertical               | Test Engineer | Ray Li           |
| Detector  | Peak and Average       |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5447.60         | Peak                     | 48.64                         | 8.39        | 57.03              | 74.00              | -16.97      |
| 5447.60         | Average                  | 33.15                         | 8.39        | 41.54              | 54.00              | -12.46      |
| 5460.00         | Peak                     | 46.54                         | 8.38        | 54.92              | 74.00              | -19.08      |
| 5460.00         | Average                  | 33.57                         | 8.38        | 41.95              | 54.00              | -12.05      |
| 5469.80         | Peak                     | 53.13                         | 8.39        | 61.52              | 68.20              | -6.68       |
| 5470.00         | Peak                     | 47.65                         | 8.39        | 56.04              | 68.20              | -12.16      |

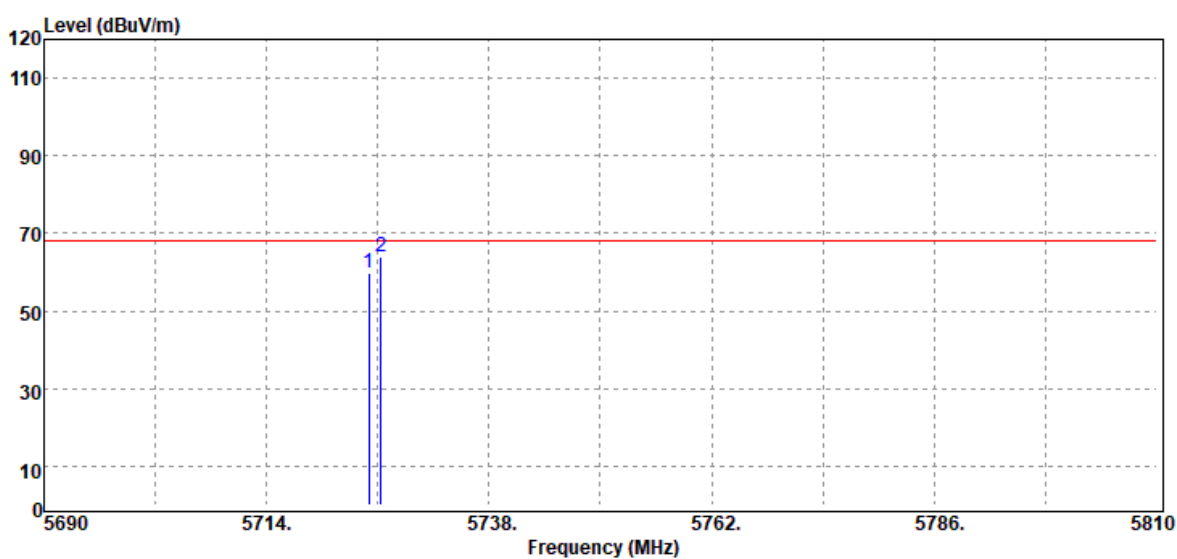


|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5500MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge              | Test Date     | October 12, 2020 |
| Polarize  | Horizontal             | Test Engineer | Ray Li           |
| Detector  | Peak and Average       |               |                  |



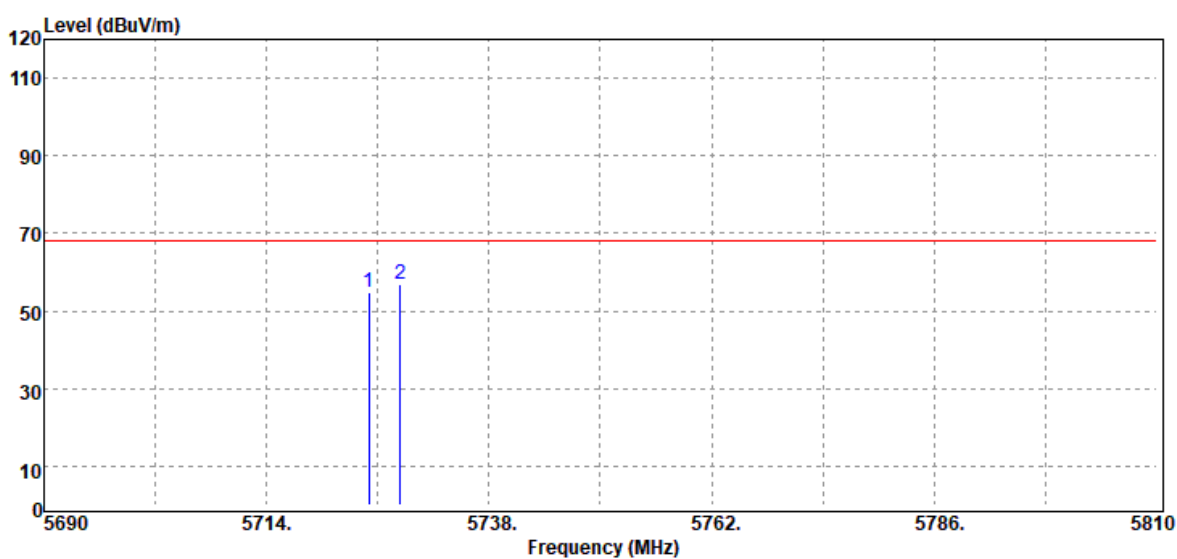
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5435.36         | Peak                     | 46.72                         | 8.44        | 55.16              | 74.00              | -18.84      |
| 5460.00         | Peak                     | 44.58                         | 8.38        | 52.96              | 74.00              | -21.04      |
| 5460.00         | Average                  | 32.51                         | 8.38        | 40.89              | 54.00              | -13.11      |
| 5469.44         | Peak                     | 48.11                         | 8.39        | 56.50              | 68.20              | -11.70      |
| 5470.00         | Peak                     | 45.85                         | 8.39        | 54.24              | 68.20              | -13.96      |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5700 MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge               | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |



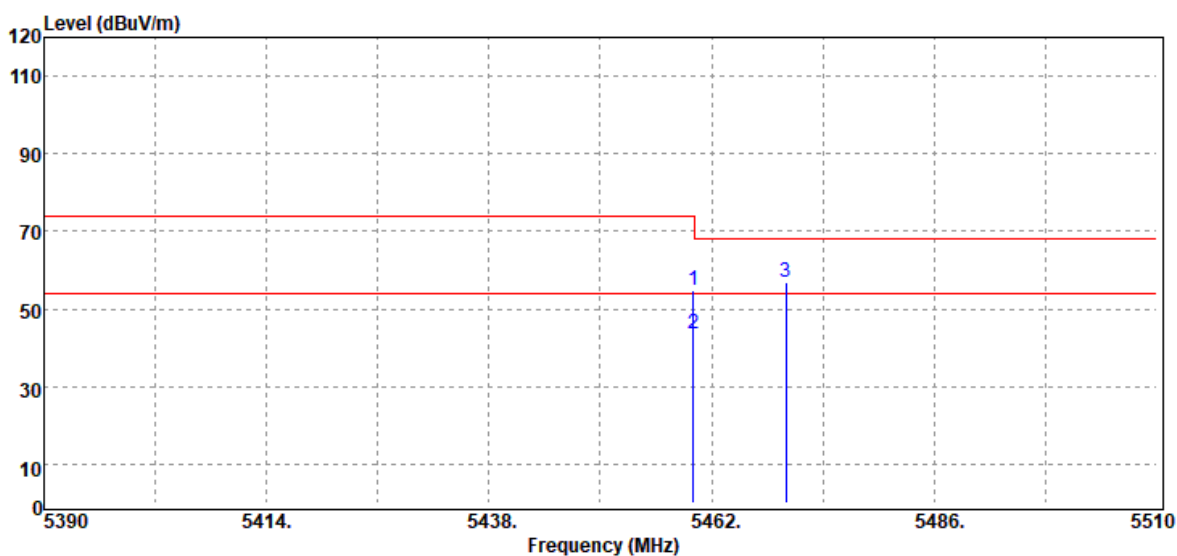
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5725.00         | Peak                     | 51.52                         | 8.31        | 59.83              | 68.20              | -8.37       |
| 5726.36         | Peak                     | 55.69                         | 8.31        | 64.00              | 68.20              | -4.20       |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5700 MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge               | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |



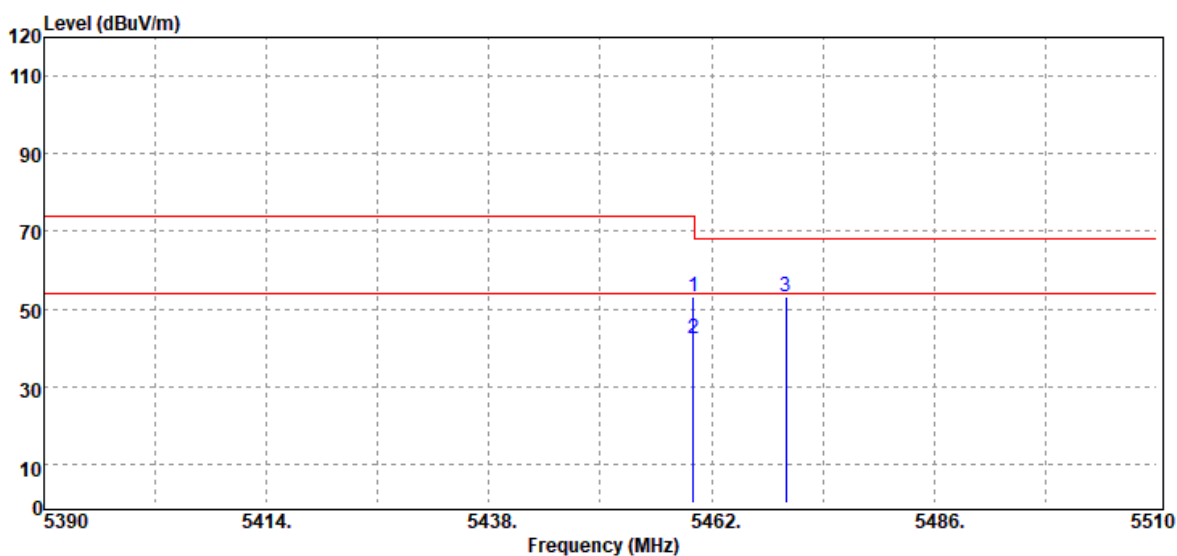
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5725.00         | Peak                     | 46.31                         | 8.31        | 54.62              | 68.20              | -13.58      |
| 5728.40         | Peak                     | 48.37                         | 8.31        | 56.68              | 68.20              | -11.52      |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5460.00         | Peak                     | 46.59                         | 8.38        | 54.97              | 74.00              | -19.03      |
| 5460.00         | Average                  | 35.28                         | 8.38        | 43.66              | 54.00              | -10.34      |
| 5470.00         | Peak                     | 48.37                         | 8.39        | 56.76              | 68.20              | -11.44      |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                     | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                    | Test Engineer | Ray Li           |
| Detector  | Peak and Average              |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5460.00         | Peak                     | 44.58                         | 8.38        | 52.96              | 74.00              | -21.04      |
| 5460.00         | Average                  | 34.10                         | 8.38        | 42.48              | 54.00              | -11.52      |
| 5470.00         | Peak                     | 44.96                         | 8.39        | 53.35              | 68.20              | -14.85      |

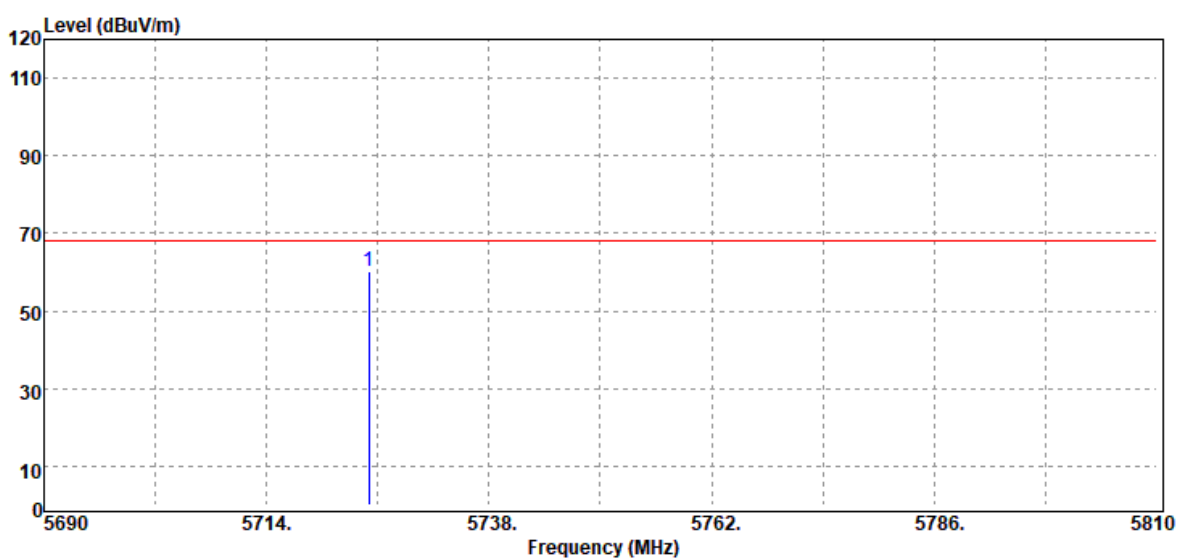


Report No.: T200908W02-RP4

Page: 46 / 133

Rev.: 00

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temperature   | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                      | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5725.00         | Peak                     | 52.09                         | 8.31        | 60.40              | 68.20              | -7.80       |

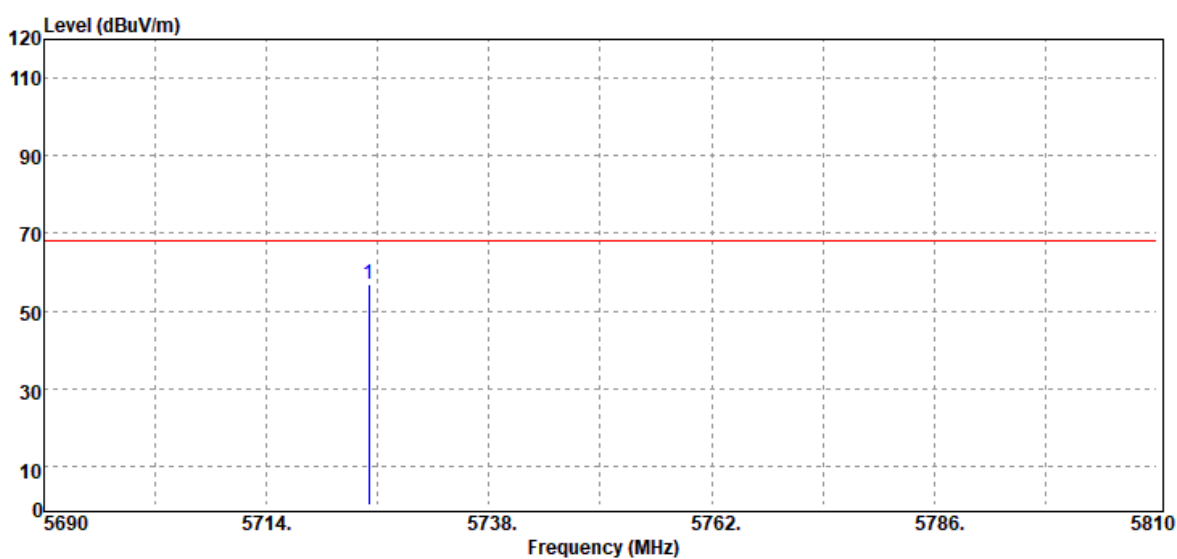


Report No.: T200908W02-RP4

Page: 47 / 133

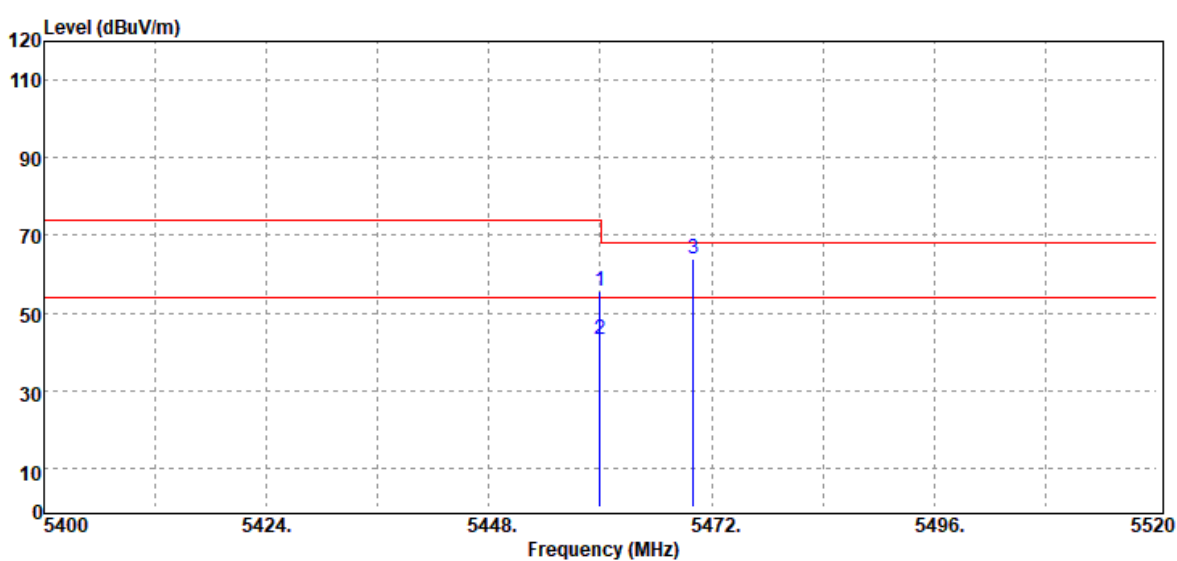
Rev.: 00

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temperature   | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                      | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5725.00         | Peak                     | 48.78                         | 8.31        | 57.09              | 68.20              | -11.11      |

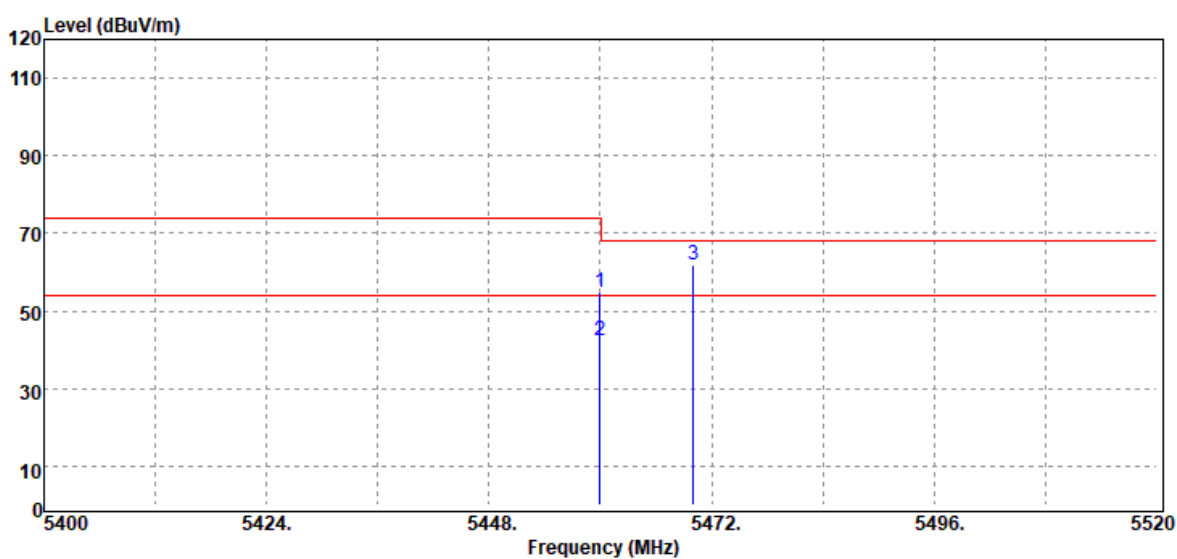
|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                      | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak and Average               |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5460.00         | Peak                     | 47.26                         | 8.38        | 55.64              | 74.00              | -18.36      |
| 5460.00         | Average                  | 34.86                         | 8.38        | 43.24              | 54.00              | -10.76      |
| 5470.00         | Peak                     | 55.76                         | 8.39        | 64.15              | 68.20              | -4.05       |



|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                      | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak and Average               |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5460.00         | Peak                     | 46.51                         | 8.38        | 54.89              | 74.00              | -19.11      |
| 5460.00         | Average                  | 34.02                         | 8.38        | 42.40              | 54.00              | -11.60      |
| 5470.00         | Peak                     | 53.47                         | 8.39        | 61.86              | 68.20              | -6.34       |

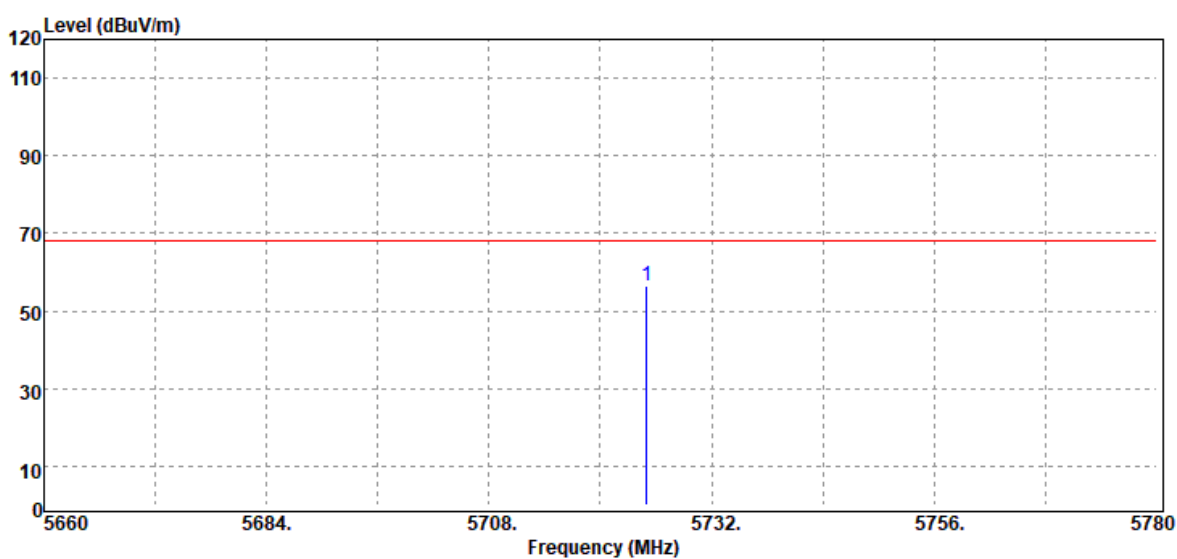


Report No.: T200908W02-RP4

Page: 50 / 133

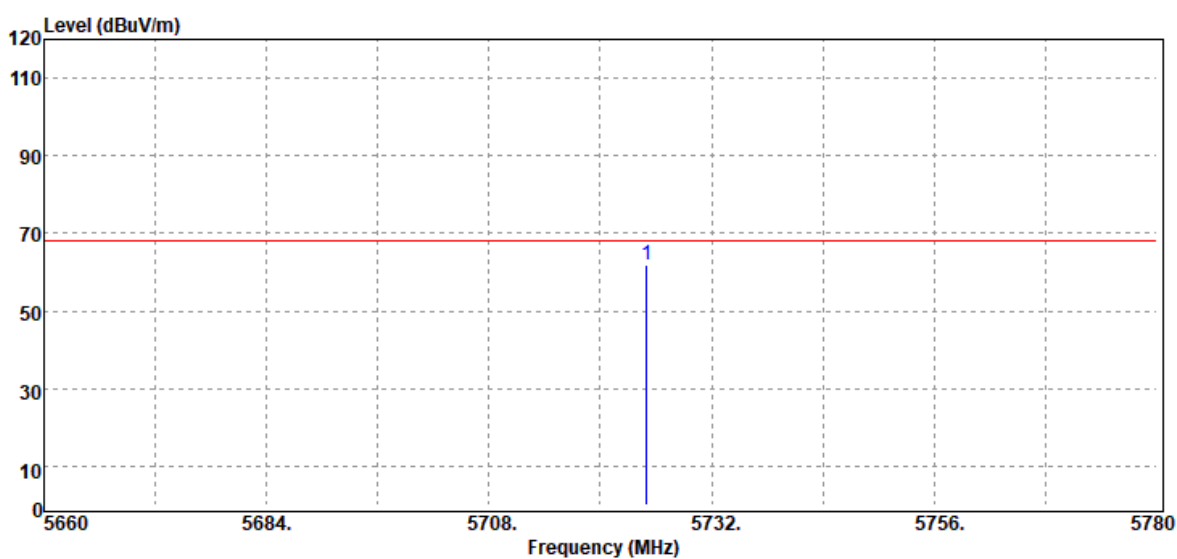
Rev.: 00

|           |                                   |               |                  |
|-----------|-----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz /<br>5670 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                         | Test Date     | October 12, 2020 |
| Polarize  | Vertical                          | Test Engineer | Ray Li           |
| Detector  | Peak                              |               |                  |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5725.00            | Peak                           | 48.28                               | 8.31           | 56.59                    | 68.20                    | -11.61         |

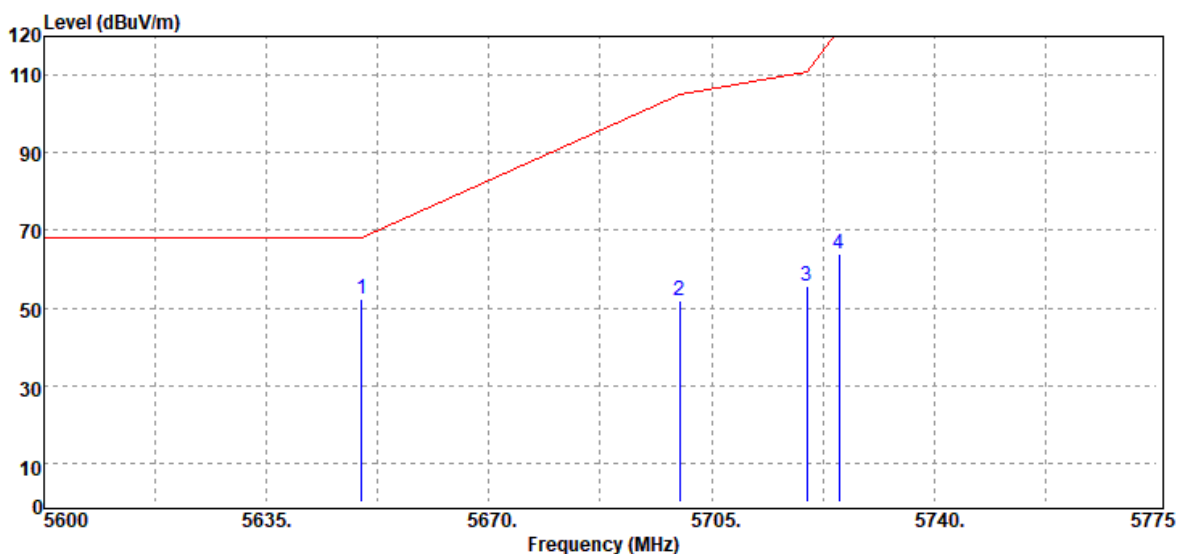
|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5670 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                      | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5725.00            | Peak                           | 53.40                               | 8.31           | 61.71                    | 68.20                    | -6.49          |

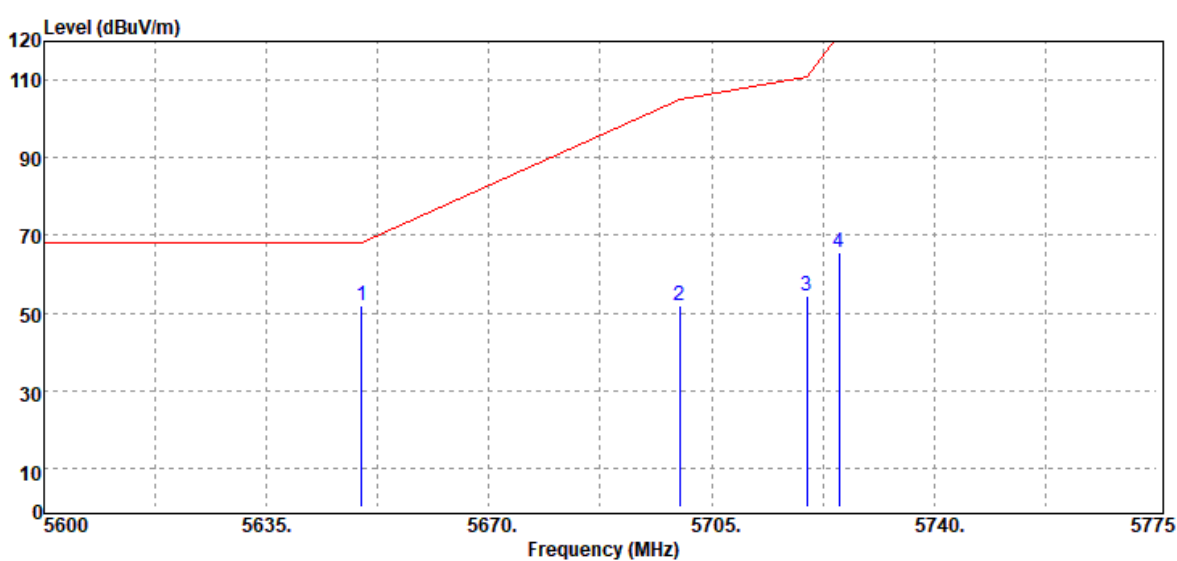
### Test Data for UNII-3

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge               | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |



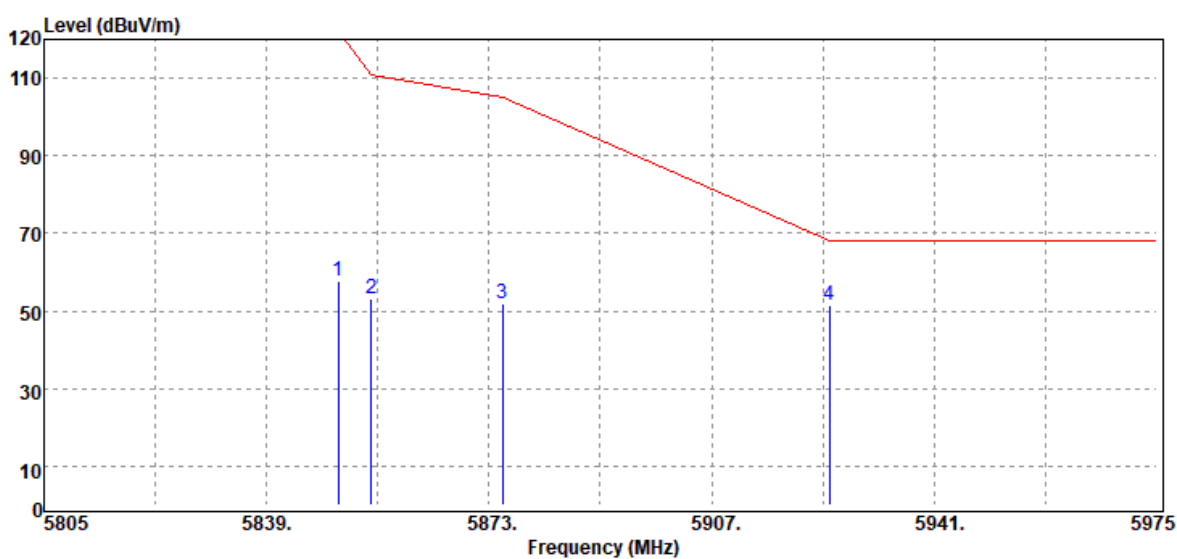
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5650.00         | Peak                     | 44.34                         | 8.17        | 52.51              | 68.20              | -15.69      |
| 5700.00         | Peak                     | 43.74                         | 8.28        | 52.02              | 105.20             | -53.18      |
| 5720.00         | Peak                     | 47.22                         | 8.30        | 55.52              | 110.80             | -55.28      |
| 5725.00         | Peak                     | 55.57                         | 8.31        | 63.88              | 122.20             | -58.32      |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge               | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |



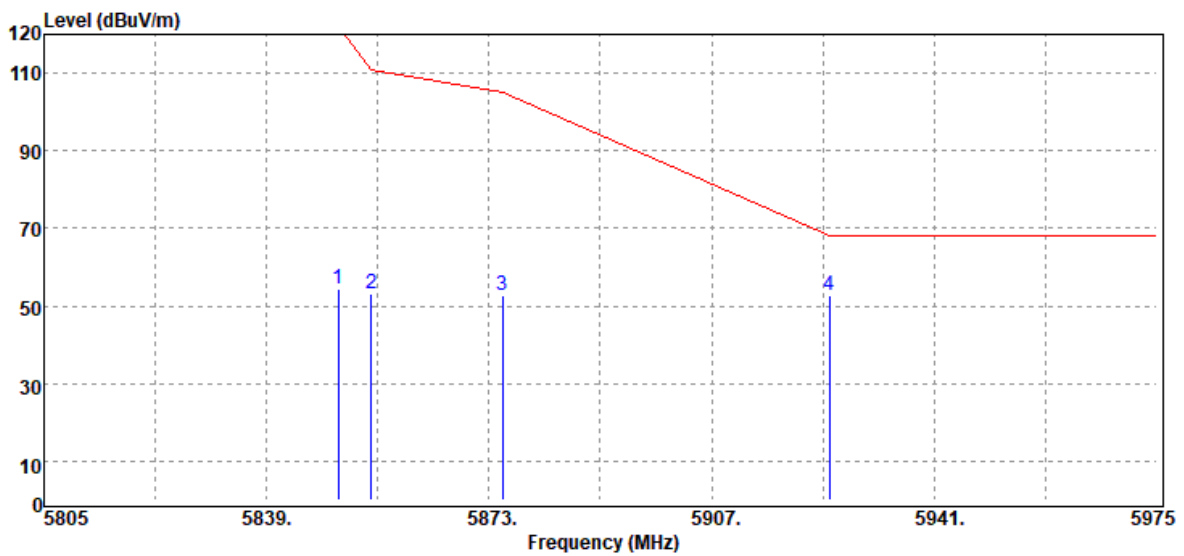
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5650.00         | Peak                     | 43.80                         | 8.17        | 51.97              | 68.20              | -16.23      |
| 5700.00         | Peak                     | 43.45                         | 8.28        | 51.73              | 105.20             | -53.47      |
| 5720.00         | Peak                     | 46.29                         | 8.30        | 54.59              | 110.80             | -56.21      |
| 5725.00         | Peak                     | 57.20                         | 8.31        | 65.51              | 122.20             | -56.69      |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge               | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |



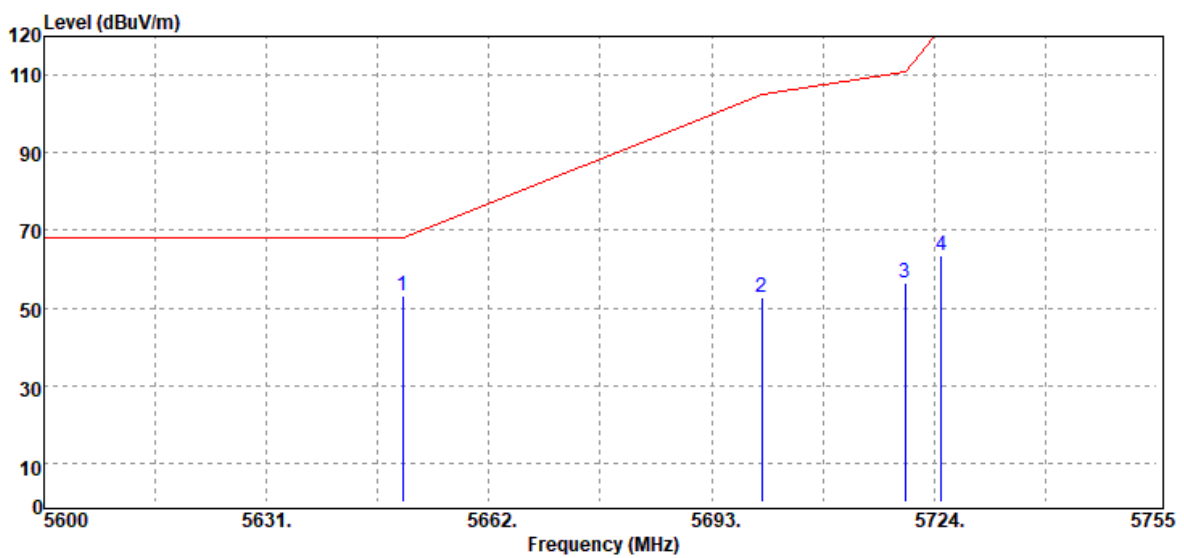
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit @3m (dBuV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5850.00         | Peak                     | 49.22                         | 8.62        | 57.84              | 122.20             | -64.36      |
| 5855.00         | Peak                     | 44.70                         | 8.64        | 53.34              | 110.80             | -57.46      |
| 5875.00         | Peak                     | 43.01                         | 8.71        | 51.72              | 105.20             | -53.48      |
| 5925.00         | Peak                     | 42.75                         | 8.82        | 51.57              | 68.20              | -16.63      |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 22.6(°C)/ 63%RH  |
| Test Item | Band Edge               | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit @3m (dBuV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5850.00         | Peak                     | 45.90                         | 8.62        | 54.52              | 122.20             | -67.68      |
| 5855.00         | Peak                     | 44.34                         | 8.64        | 52.98              | 110.80             | -57.82      |
| 5875.00         | Peak                     | 43.96                         | 8.71        | 52.67              | 105.20             | -52.53      |
| 5925.00         | Peak                     | 43.75                         | 8.82        | 52.57              | 68.20              | -15.63      |

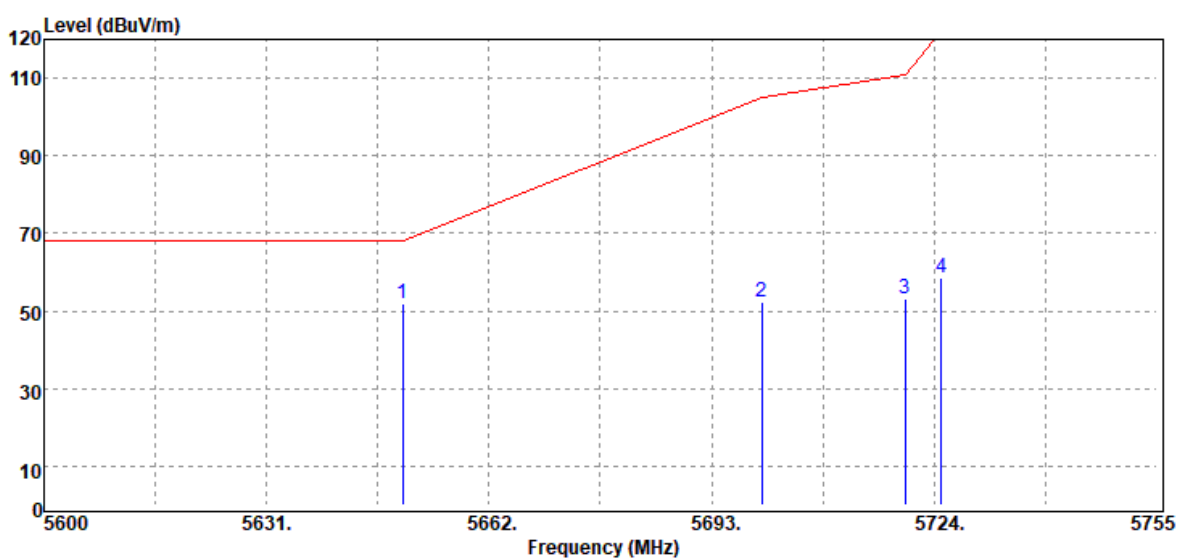
|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                      | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5650.00         | Peak                     | 45.11                         | 8.17        | 53.28              | 68.20              | -14.92      |
| 5700.00         | Peak                     | 44.44                         | 8.28        | 52.72              | 105.20             | -52.48      |
| 5720.00         | Peak                     | 48.01                         | 8.30        | 56.31              | 110.80             | -54.49      |
| 5725.00         | Peak                     | 55.03                         | 8.31        | 63.34              | 122.20             | -58.86      |

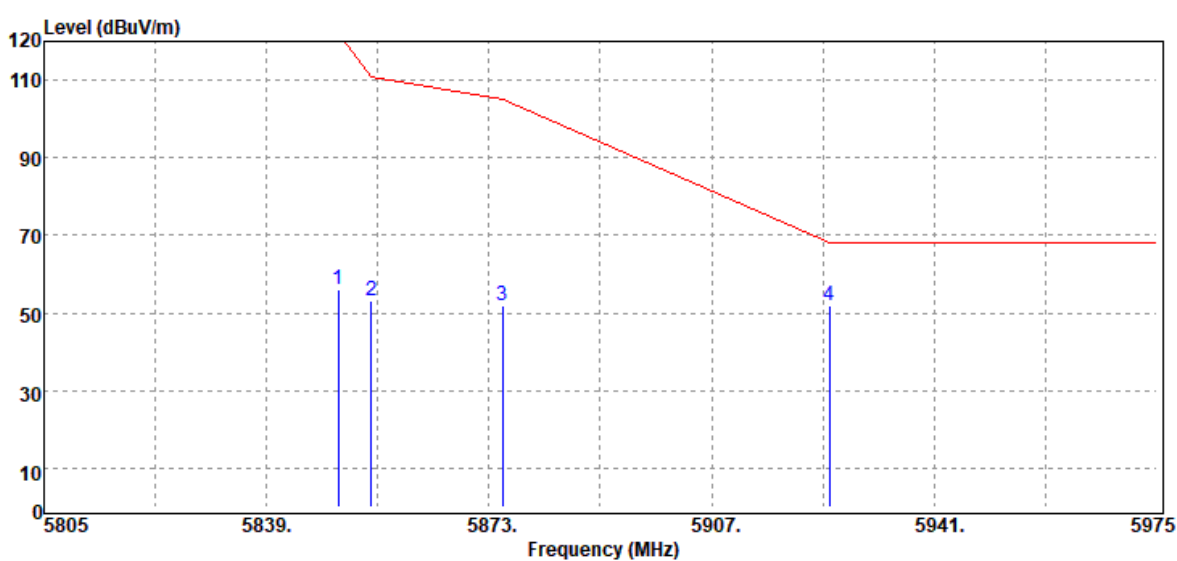


|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                      | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



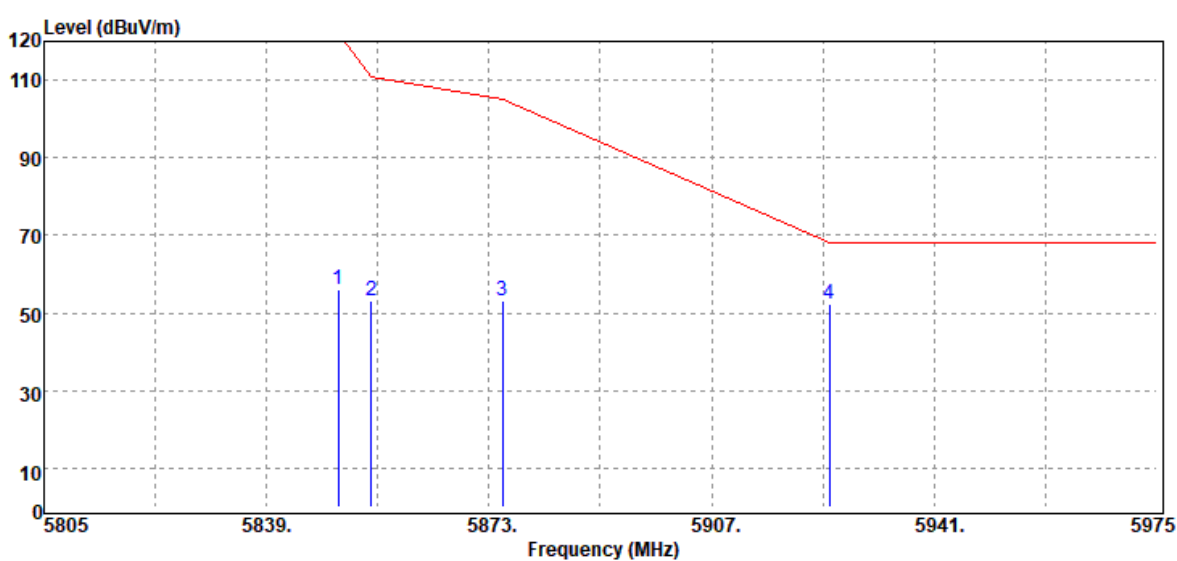
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5650.00         | Peak                     | 43.88                         | 8.17        | 52.05              | 68.20              | -16.15      |
| 5700.00         | Peak                     | 44.23                         | 8.28        | 52.51              | 105.20             | -52.69      |
| 5720.00         | Peak                     | 44.78                         | 8.30        | 53.08              | 110.80             | -57.72      |
| 5725.00         | Peak                     | 50.42                         | 8.31        | 58.73              | 122.20             | -63.47      |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5825 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                      | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



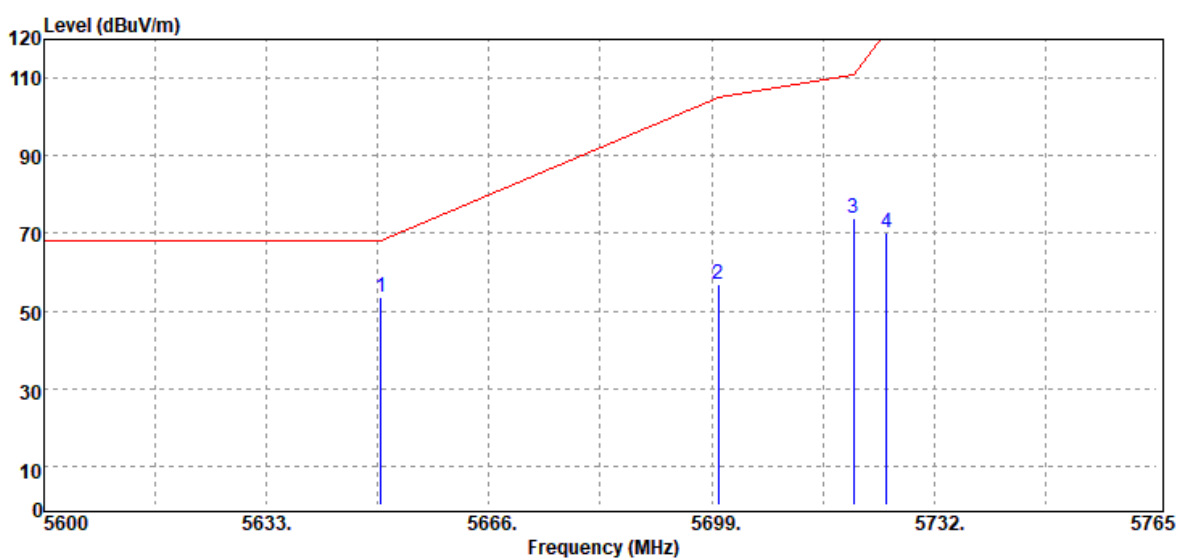
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit @3m (dBuV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5850.00         | Peak                     | 47.46                         | 8.62        | 56.08              | 122.20             | -66.12      |
| 5855.00         | Peak                     | 44.51                         | 8.64        | 53.15              | 110.80             | -57.65      |
| 5875.00         | Peak                     | 43.35                         | 8.71        | 52.06              | 105.20             | -53.14      |
| 5925.00         | Peak                     | 43.20                         | 8.82        | 52.02              | 68.20              | -16.18      |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5825 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                      | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



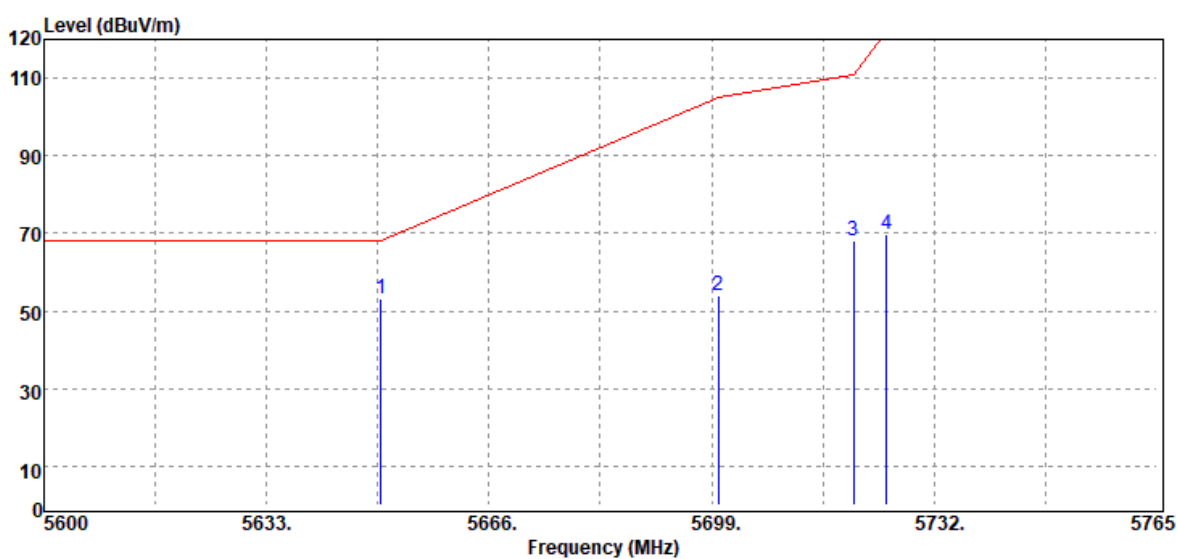
| Frequency (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit @3m (dBuV/m) | Margin (dB) |
|-----------------|--------------------------|-------------------------------|-------------|--------------------|--------------------|-------------|
| 5850.00         | Peak                     | 47.35                         | 8.62        | 55.97              | 122.20             | -66.23      |
| 5855.00         | Peak                     | 44.55                         | 8.64        | 53.19              | 110.80             | -57.61      |
| 5875.00         | Peak                     | 44.45                         | 8.71        | 53.16              | 105.20             | -52.04      |
| 5925.00         | Peak                     | 43.43                         | 8.82        | 52.25              | 68.20              | -15.95      |

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                        | Test Date     | October 12, 2020 |
| Polarize  | Vertical                         | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |



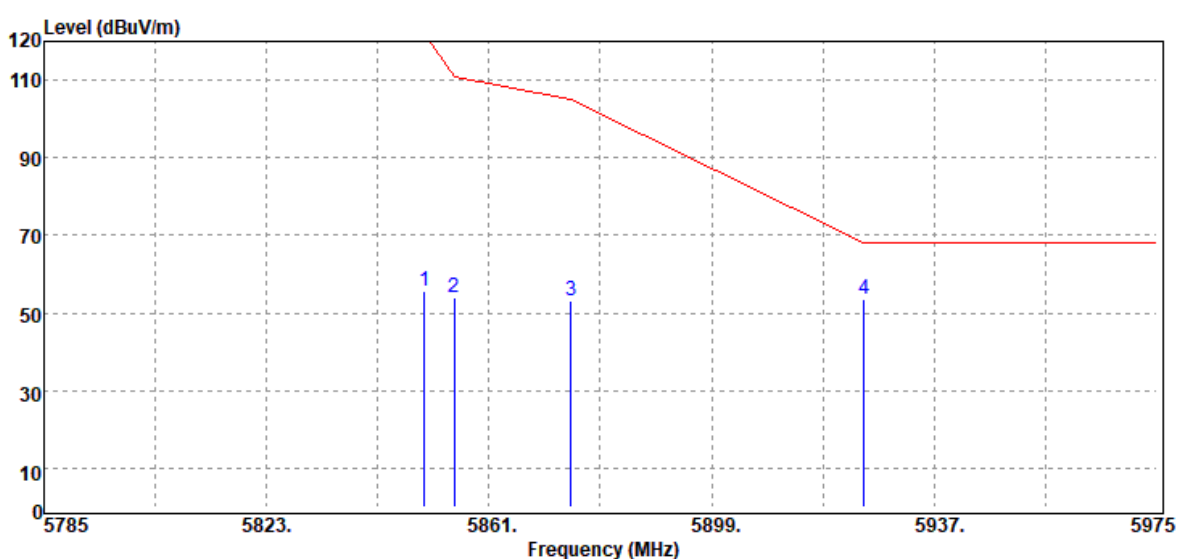
| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5650.00            | Peak                           | 45.56                               | 8.17           | 53.73                    | 68.20                    | -14.47         |
| 5700.00            | Peak                           | 48.50                               | 8.28           | 56.78                    | 105.20                   | -48.42         |
| 5720.00            | Peak                           | 65.49                               | 8.30           | 73.79                    | 110.80                   | -37.01         |
| 5725.00            | Peak                           | 62.01                               | 8.31           | 70.32                    | 122.20                   | -51.88         |

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                        | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                       | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |



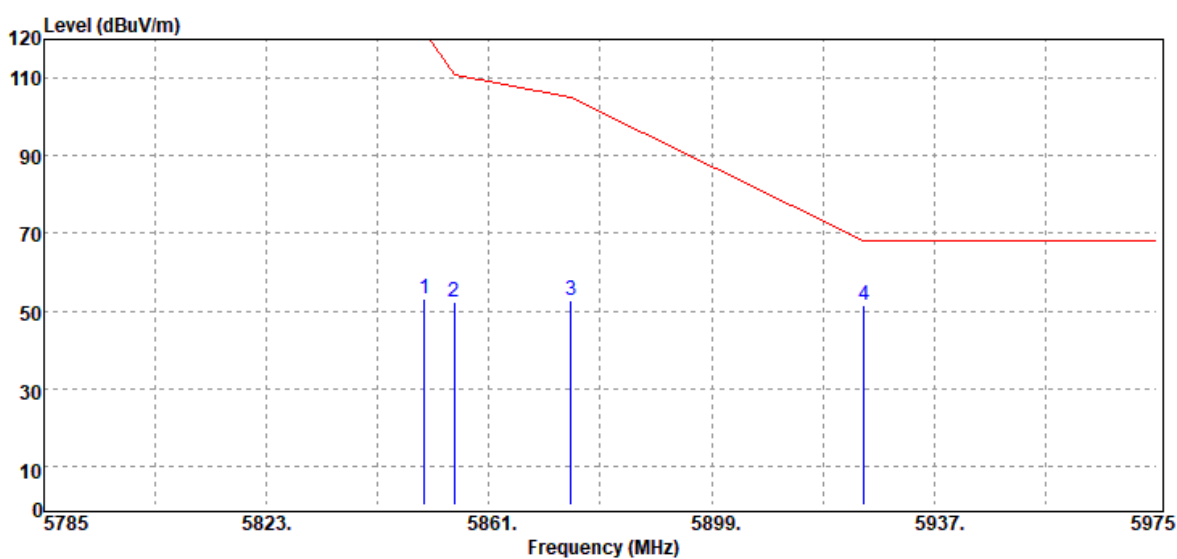
| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5650.00            | Peak                           | 45.14                               | 8.17           | 53.31                    | 68.20                    | -14.89         |
| 5700.00            | Peak                           | 45.50                               | 8.28           | 53.78                    | 105.20                   | -51.42         |
| 5720.00            | Peak                           | 59.91                               | 8.30           | 68.21                    | 110.80                   | -42.59         |
| 5725.00            | Peak                           | 61.26                               | 8.31           | 69.57                    | 122.20                   | -52.63         |

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                        | Test Date     | October 12, 2020 |
| Polarize  | Vertical                         | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5850.00            | Peak                           | 47.08                               | 8.62           | 55.70                    | 122.20                   | -66.50         |
| 5855.00            | Peak                           | 45.41                               | 8.64           | 54.05                    | 110.80                   | -56.75         |
| 5875.00            | Peak                           | 44.27                               | 8.71           | 52.98                    | 105.20                   | -52.22         |
| 5925.00            | Peak                           | 44.54                               | 8.82           | 53.36                    | 68.20                    | -14.84         |

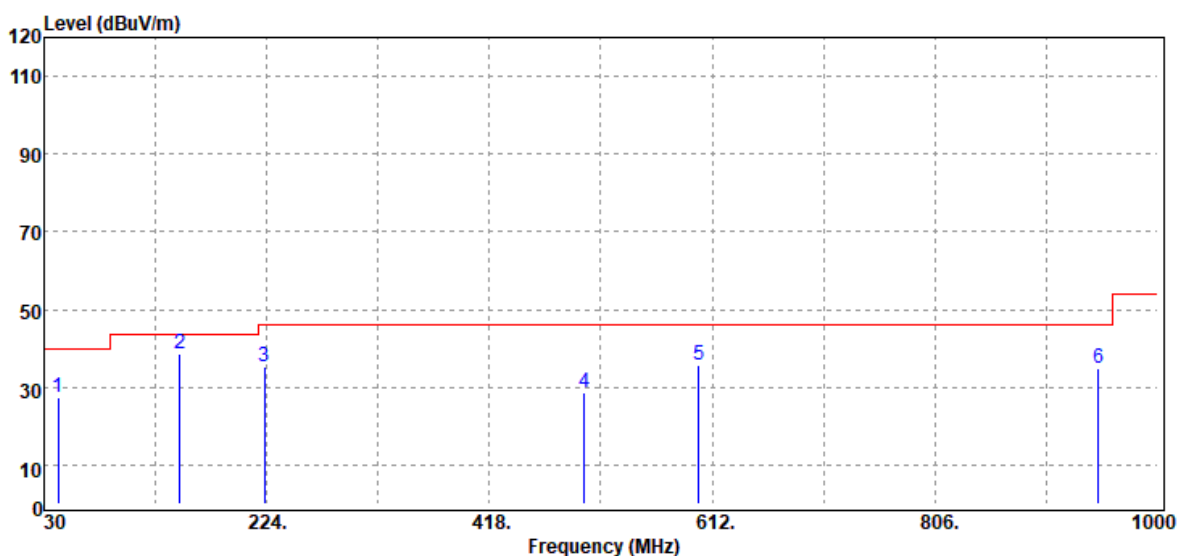
|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Band Edge                        | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                       | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5850.00            | Peak                           | 44.70                               | 8.62           | 53.32                    | 122.20                   | -68.88         |
| 5855.00            | Peak                           | 43.87                               | 8.64           | 52.51                    | 110.80                   | -58.29         |
| 5875.00            | Peak                           | 43.96                               | 8.71           | 52.67                    | 105.20                   | -52.53         |
| 5925.00            | Peak                           | 42.84                               | 8.82           | 51.66                    | 68.20                    | -16.54         |

### Below 1G Test Data

|           |            |               |                  |
|-----------|------------|---------------|------------------|
| Test Mode | Mode 1     | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | 30MHz-1GHz | Test Date     | October 12, 2020 |
| Polarize  | Vertical   | Test Engineer | Ray Li           |
| Detector  | Peak       |               |                  |

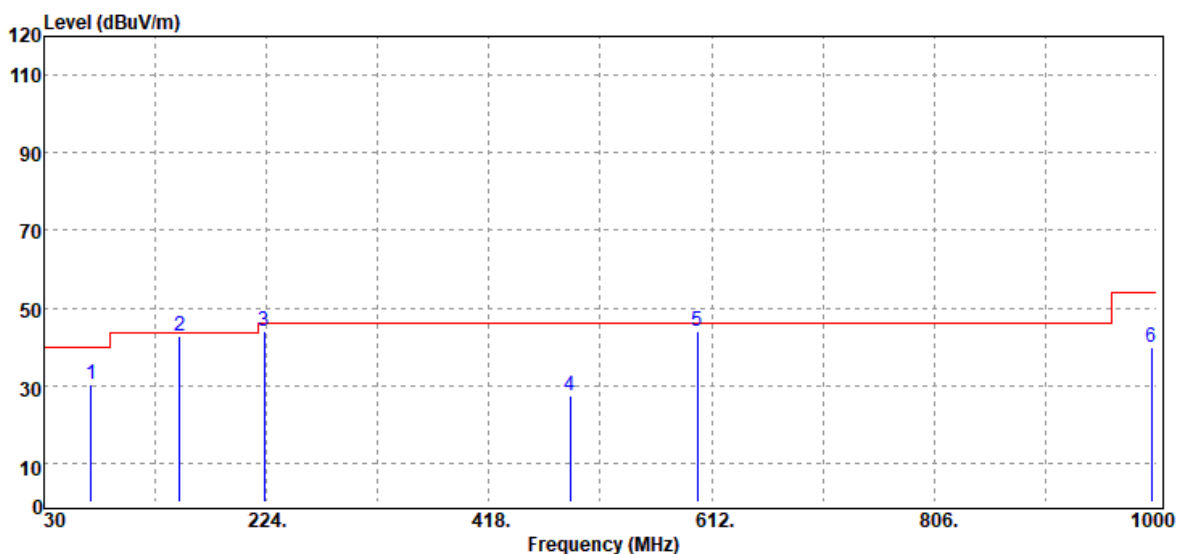


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 42.61          | Peak                           | 39.13                               | -11.59         | 27.54                    | 40.00                    | -12.46         |
| 148.34         | Peak                           | 48.97                               | -10.33         | 38.64                    | 43.50                    | -4.86          |
| 222.06         | Peak                           | 47.01                               | -11.63         | 35.38                    | 46.00                    | -10.62         |
| 500.45         | Peak                           | 32.05                               | -3.30          | 28.75                    | 46.00                    | -17.25         |
| 600.36         | Peak                           | 37.41                               | -1.85          | 35.56                    | 46.00                    | -10.44         |
| 948.59         | Peak                           | 30.53                               | 4.34           | 34.87                    | 46.00                    | -11.13         |

**Note:** 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)  
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.



|           |            |               |                  |
|-----------|------------|---------------|------------------|
| Test Mode | Mode 1     | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | 30MHz-1GHz | Test Date     | October 12, 2020 |
| Polarize  | Horizontal | Test Engineer | Ray Li           |
| Detector  | Peak       |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 70.74          | Peak                           | 45.13                               | -15.00         | 30.13                    | 40.00                    | -9.87          |
| 148.34         | Peak                           | 53.21                               | -10.33         | 42.88                    | 43.50                    | -0.62          |
| 222.06         | Peak                           | 55.66                               | -11.63         | 44.03                    | 46.00                    | -1.97          |
| 488.81         | Peak                           | 30.58                               | -3.35          | 27.23                    | 46.00                    | -18.77         |
| 599.39         | Peak                           | 45.91                               | -1.88          | 44.03                    | 46.00                    | -1.97          |
| 995.15         | Peak                           | 35.30                               | 4.60           | 39.90                    | 54.00                    | -14.10         |

**Note:** 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)  
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

## Above 1G

### Test Data for UNII-1

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic               | Test Date     | October 12, 2020 |
| Polarize  | Vertical               | Test Engineer | Ray Li           |
| Detector  | Peak                   |               |                  |

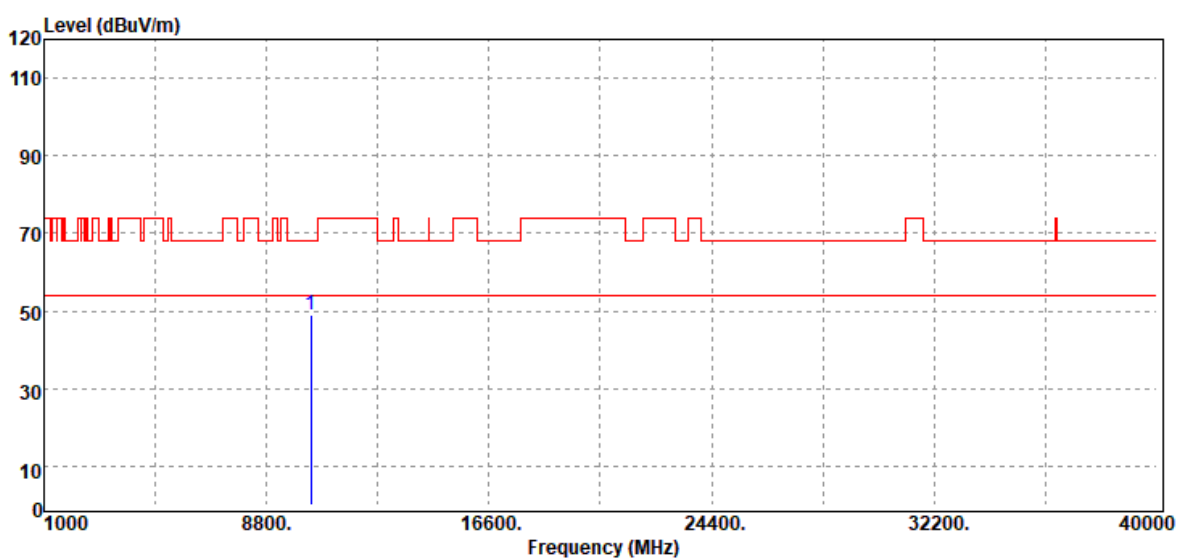


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00       | Peak                           | 35.33                               | 13.83          | 49.16                    | 68.20                    | -19.04         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic               | Test Date     | October 12, 2020 |
| Polarize  | Horizontal             | Test Engineer | Ray Li           |
| Detector  | Peak                   |               |                  |

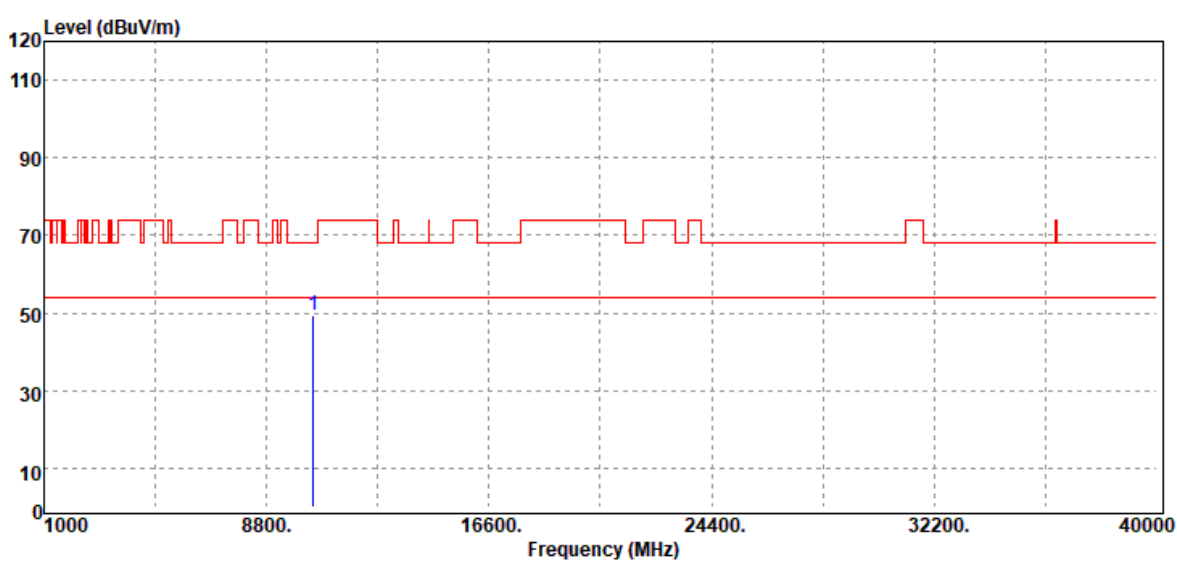


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00       | Peak                           | 34.96                               | 13.83          | 48.79                    | 68.20                    | -19.41         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5220 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonics               | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

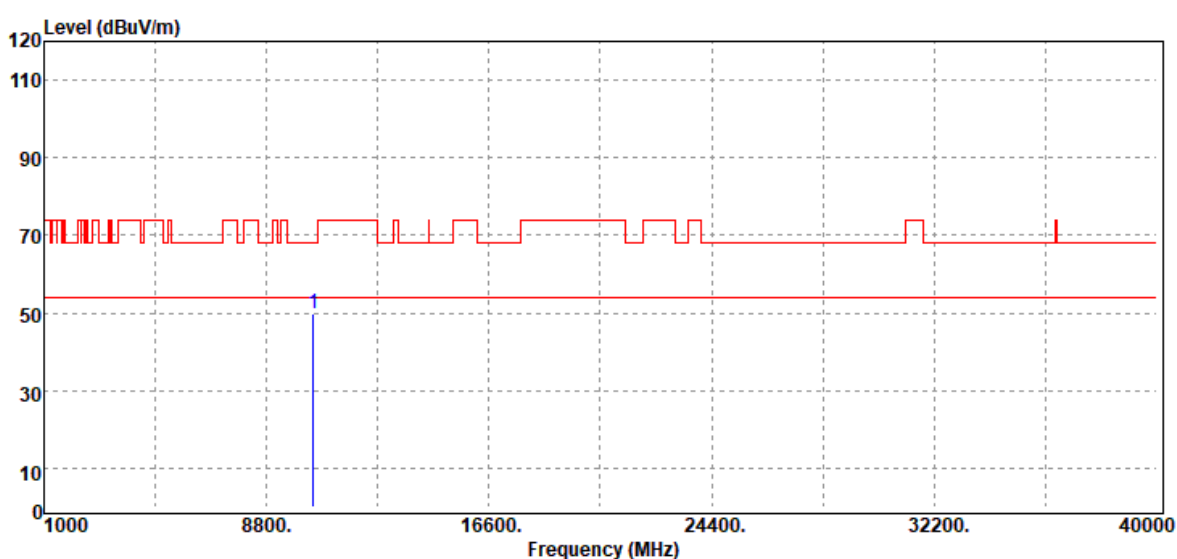


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00       | Peak                           | 35.39                               | 13.98          | 49.37                    | 68.20                    | -18.83         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5220 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

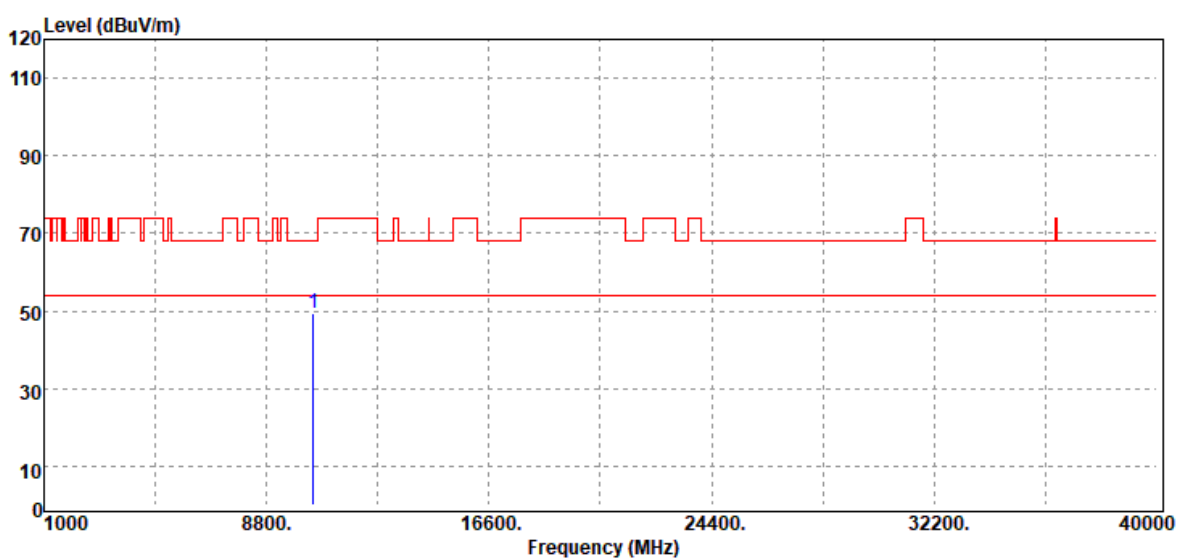


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00       | Peak                           | 35.65                               | 13.98          | 49.63                    | 68.20                    | -18.57         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5240MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic               | Test Date     | October 12, 2020 |
| Polarize  | Vertical               | Test Engineer | Ray Li           |
| Detector  | Peak                   |               |                  |

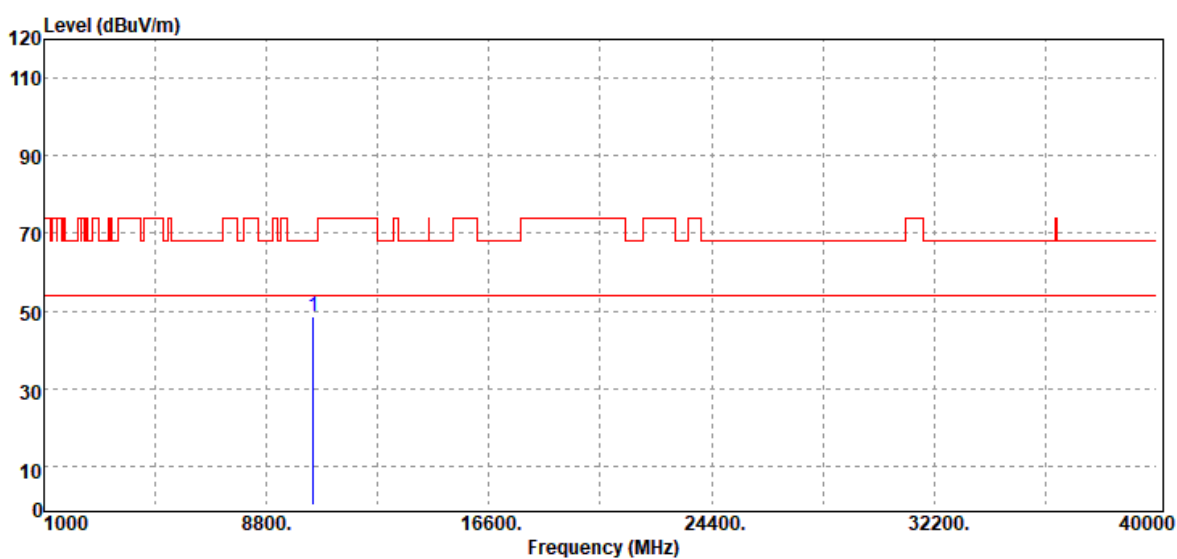


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00       | Peak                           | 35.27                               | 13.98          | 49.25                    | 68.20                    | -18.95         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5240MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic               | Test Date     | October 12, 2020 |
| Polarize  | Horizontal             | Test Engineer | Ray Li           |
| Detector  | Peak                   |               |                  |

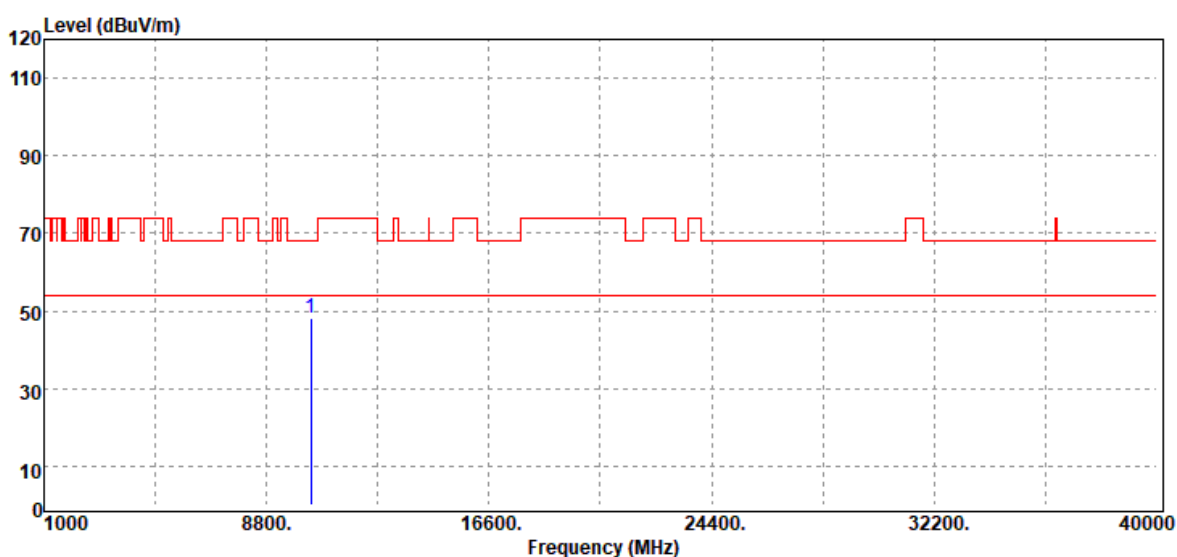


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00       | Peak                           | 34.52                               | 13.98          | 48.50                    | 68.20                    | -19.70         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5180MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                      | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak                          |               |                  |



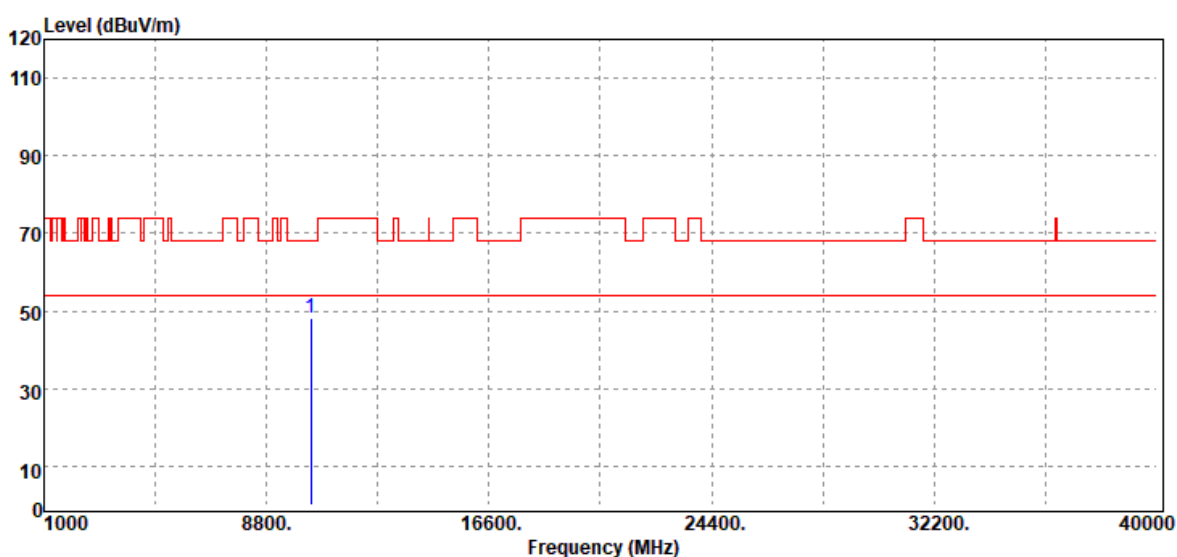
| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00       | Peak                           | 34.22                               | 13.83          | 48.05                    | 68.20                    | -20.15         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



|           |                                 |               |                  |
|-----------|---------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5180MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                        | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                      | Test Engineer | Ray Li           |
| Detector  | Peak                            |               |                  |

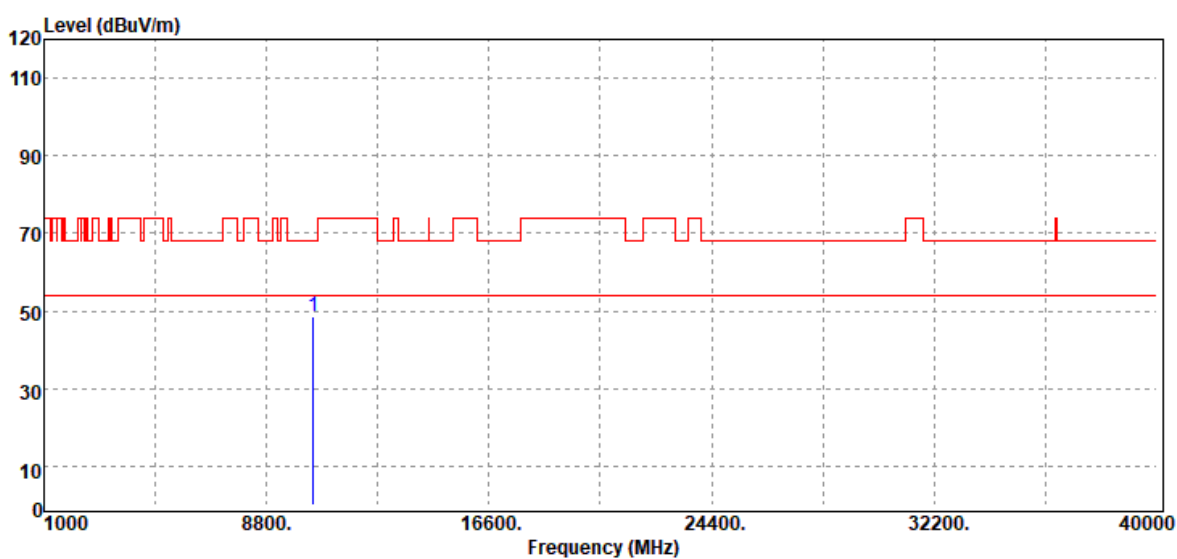


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00       | Peak                           | 34.40                               | 13.83          | 48.23                    | 68.20                    | -19.97         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5220MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                      | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak                          |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00       | Peak                           | 34.54                               | 13.98          | 48.52                    | 68.20                    | -19.68         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5220MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                      | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                    | Test Engineer | Ray Li           |
| Detector  | Peak                          |               |                  |

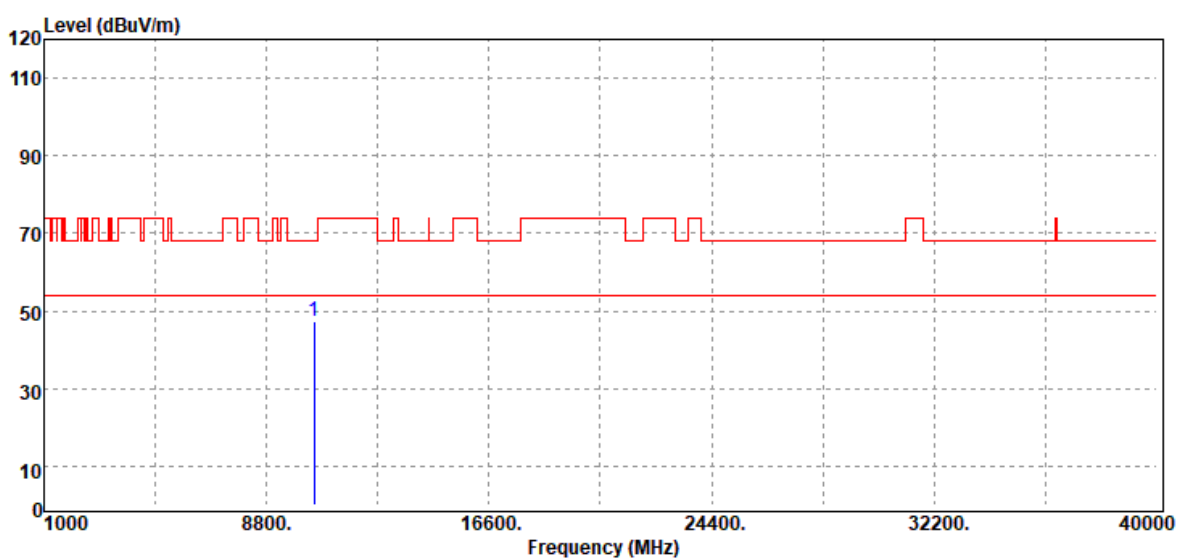


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00       | Peak                           | 34.12                               | 13.98          | 48.10                    | 68.20                    | -20.10         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5240MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                      | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak                          |               |                  |

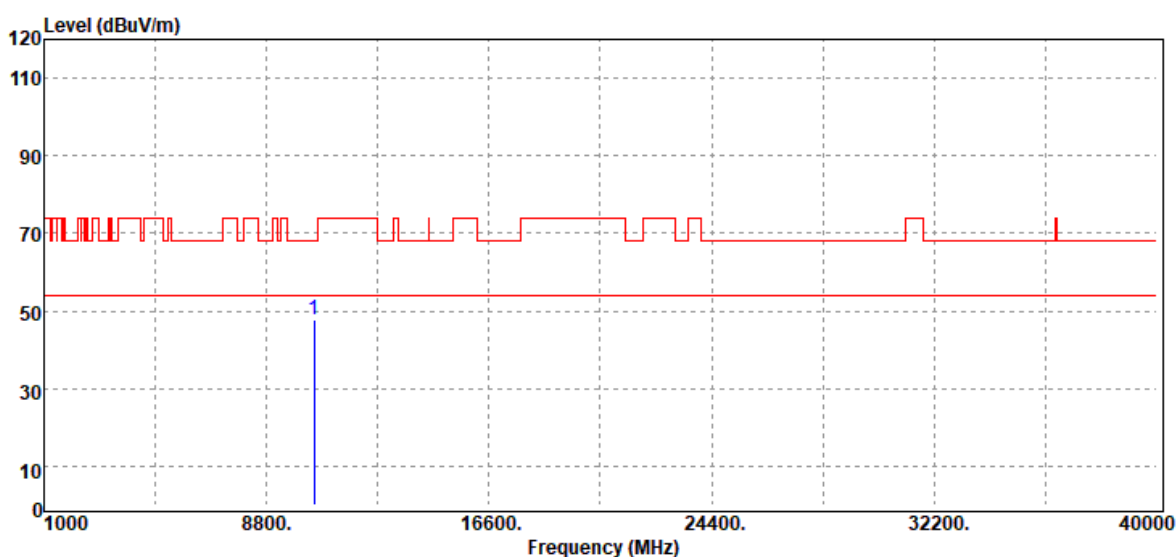


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00       | Peak                           | 33.41                               | 14.09          | 47.50                    | 68.20                    | -20.70         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5240MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                      | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                    | Test Engineer | Ray Li           |
| Detector  | Peak                          |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00       | Peak                           | 33.68                               | 14.09          | 47.77                    | 68.20                    | -20.43         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5190MHZ | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                      | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak                          |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10380.00       | Peak                           | 35.13                               | 13.84          | 48.97                    | 68.20                    | -19.23         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5190MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                      | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                    | Test Engineer | Ray Li           |
| Detector  | Peak                          |               |                  |

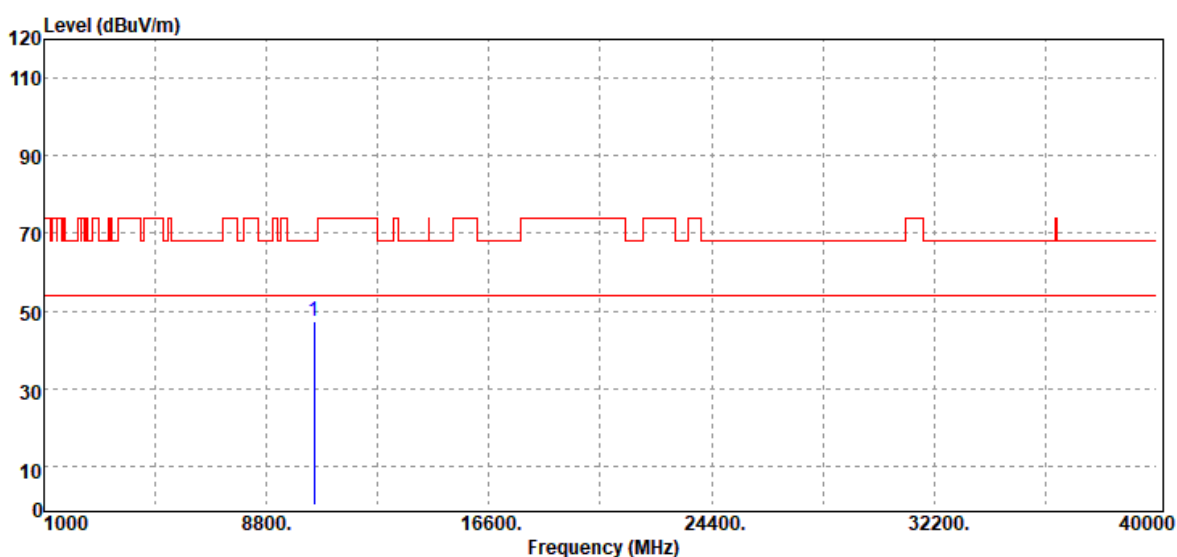


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10380.00       | Peak                           | 34.40                               | 13.84          | 48.24                    | 68.20                    | -19.96         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5230MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                      | Test Date     | October 12, 2020 |
| Polarize  | Vertical                      | Test Engineer | Ray Li           |
| Detector  | Peak                          |               |                  |



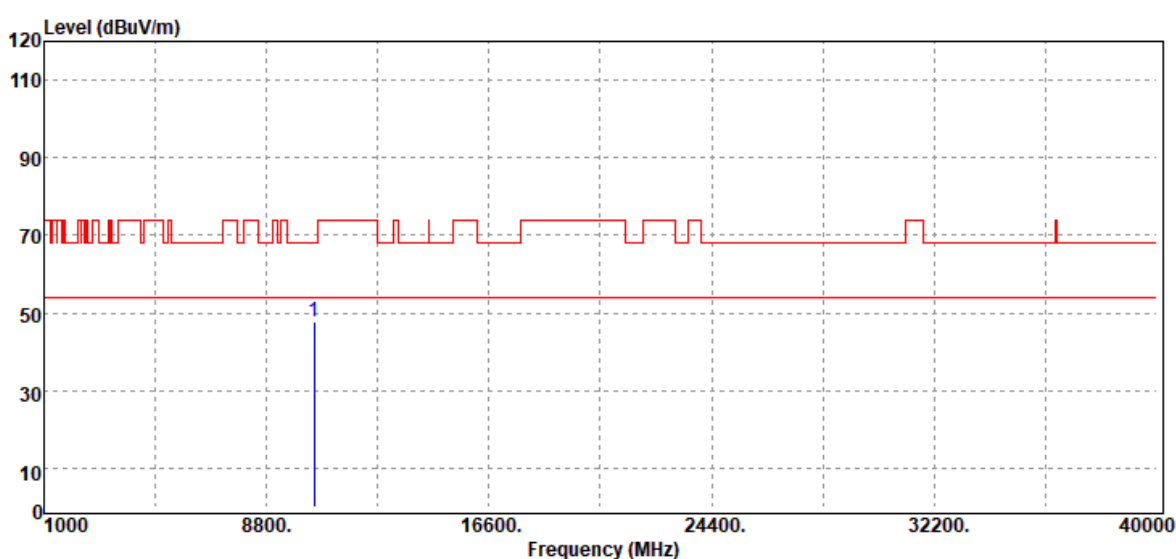
| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10460.00       | Peak                           | 33.24                               | 14.03          | 47.27                    | 68.20                    | -20.93         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5230MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                      | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                    | Test Engineer | Ray Li           |
| Detector  | Peak                          |               |                  |



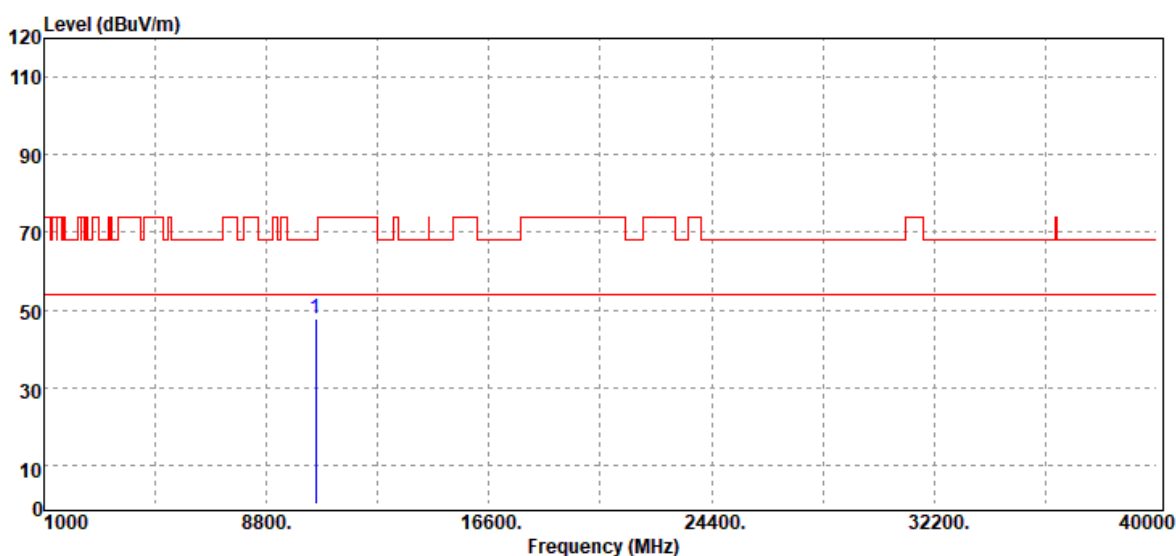
| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10460.00       | Peak                           | 33.89                               | 14.03          | 47.92                    | 68.20                    | -20.28         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

### Test Data for UNII-2a

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5260 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

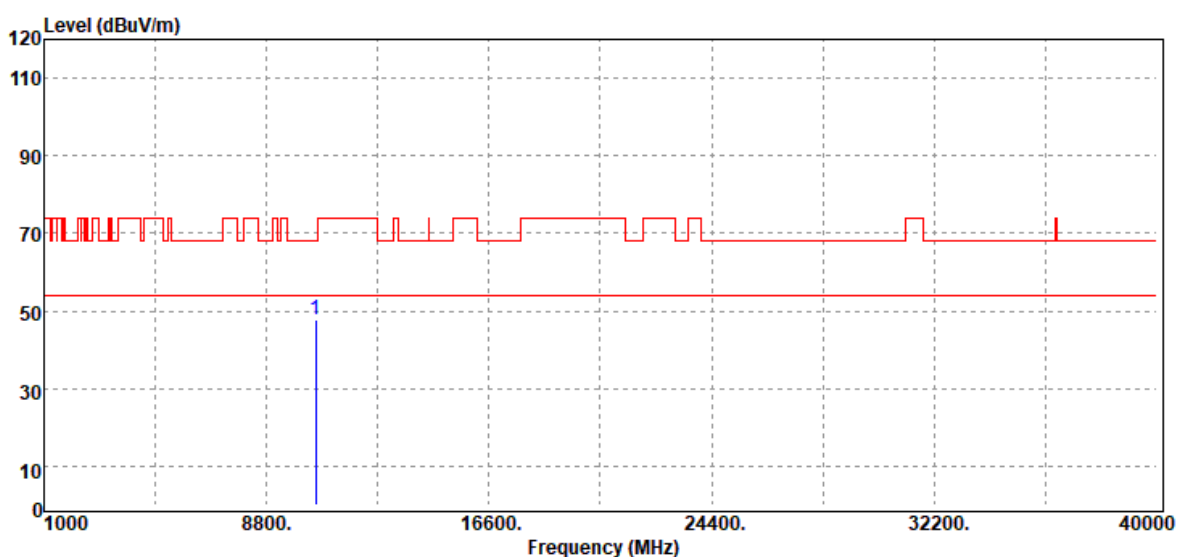


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10520.00       | Peak                           | 33.50                               | 14.11          | 47.61                    | 68.20                    | -20.59         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5260 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

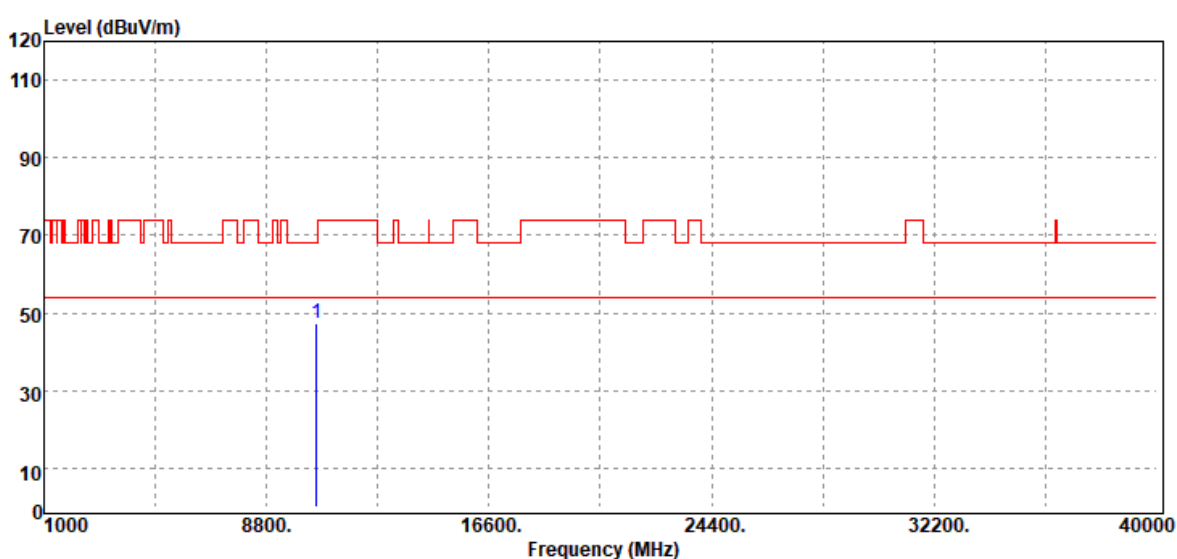


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10520.00       | Peak                           | 33.49                               | 14.11          | 47.60                    | 68.20                    | -20.60         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5280 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

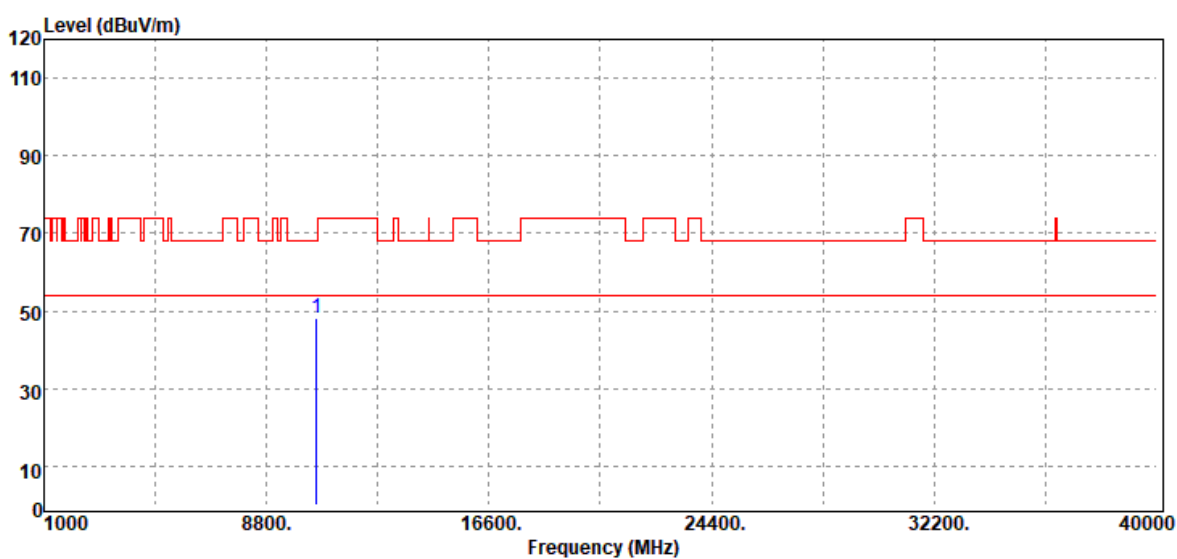


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10560.00       | Peak                           | 33.40                               | 14.09          | 47.49                    | 68.20                    | -20.71         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5280 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

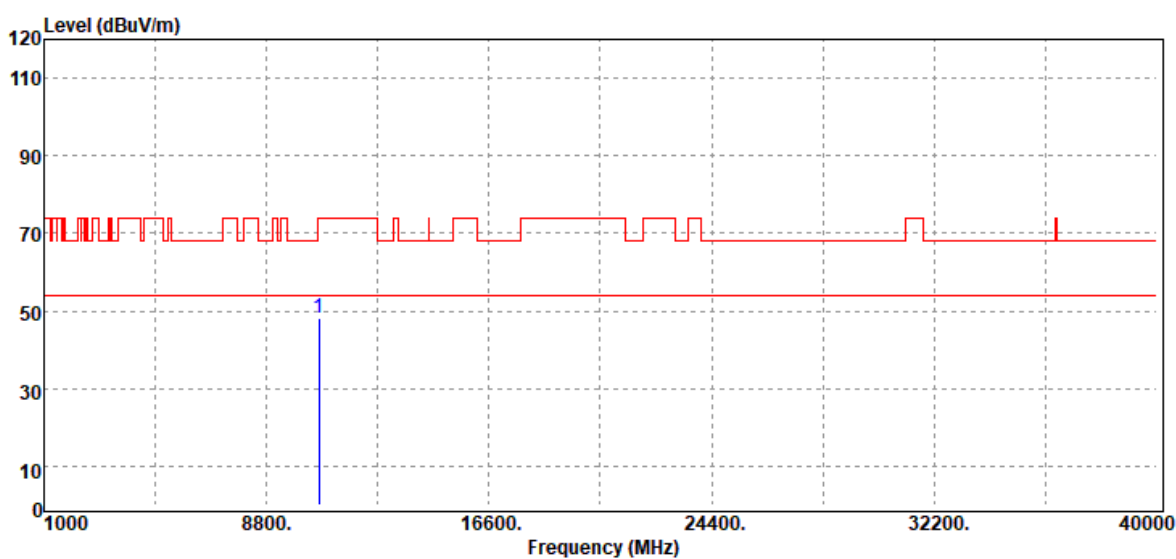


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10560.00       | Peak                           | 33.96                               | 14.09          | 48.05                    | 68.20                    | -20.15         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5320 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10640.00       | Peak                           | 33.61                               | 14.62          | 48.23                    | 74.00                    | -25.77         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5320 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10640.00       | Peak                           | 33.44                               | 14.62          | 48.06                    | 74.00                    | -25.94         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5260 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10520.00       | Peak                           | 33.77                               | 14.11          | 47.88                    | 68.20                    | -20.32         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5260 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

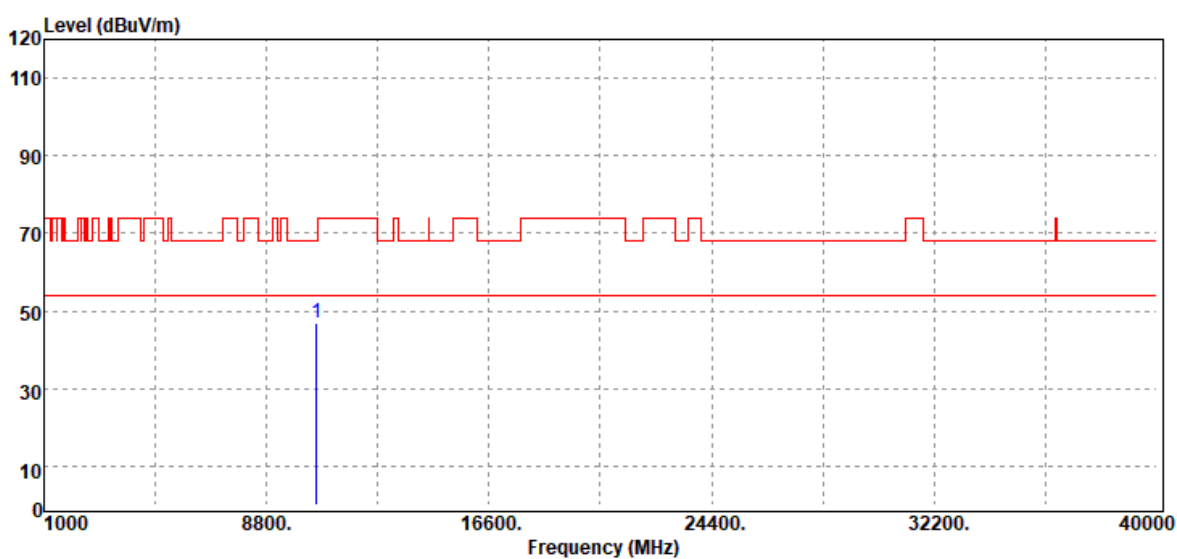


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10520.00       | Peak                           | 33.70                               | 14.11          | 47.81                    | 68.20                    | -20.39         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5280 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

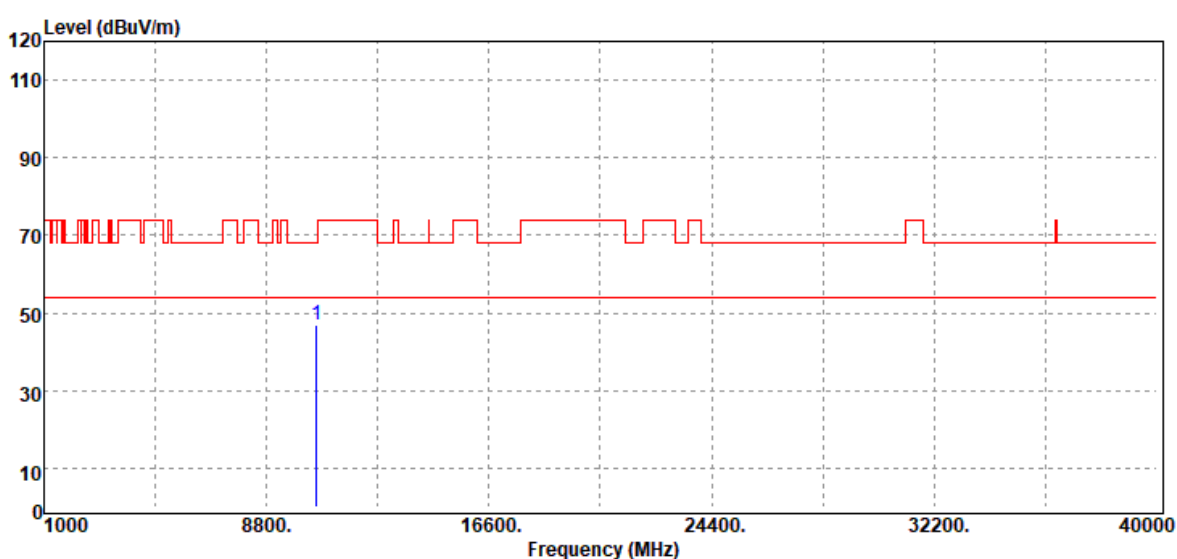


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10560.00       | Peak                           | 32.74                               | 14.09          | 46.83                    | 68.20                    | -21.37         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5280 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

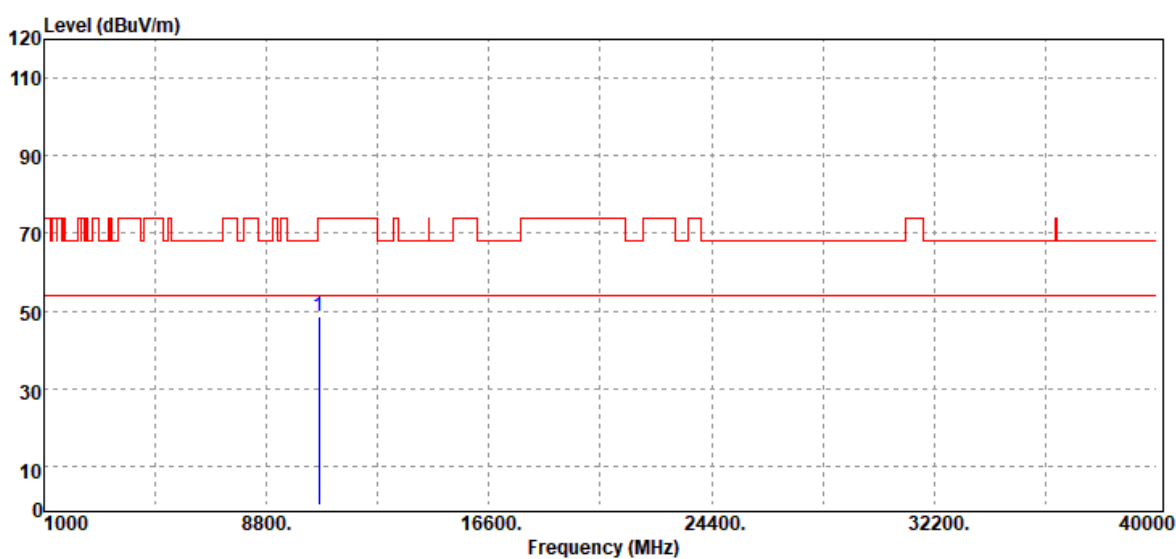


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10560.00       | Peak                           | 32.83                               | 14.09          | 46.92                    | 68.20                    | -21.28         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

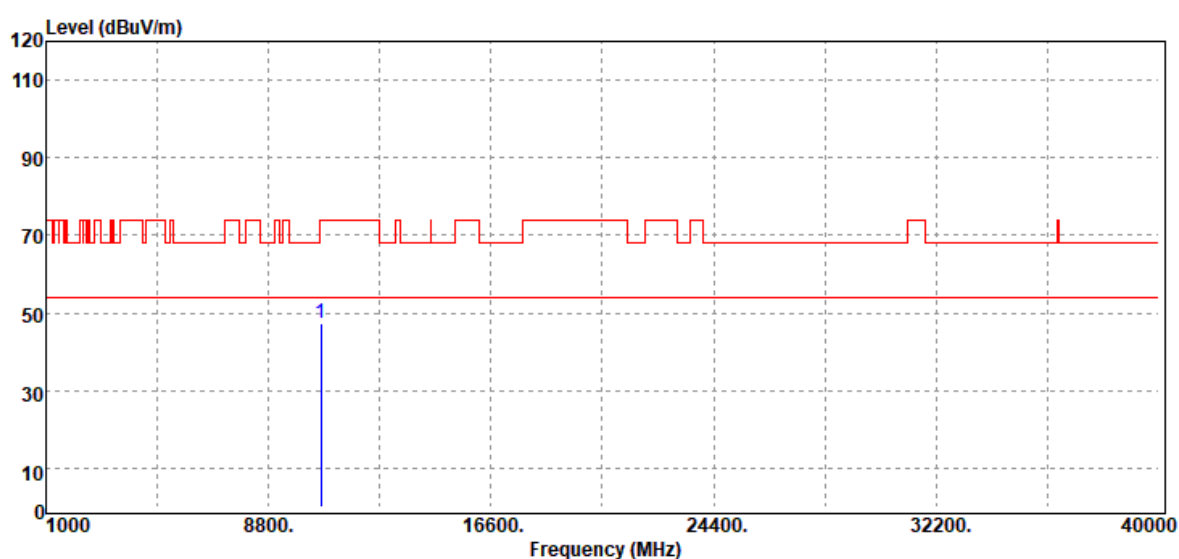


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10640.00       | Peak                           | 33.95                               | 14.62          | 48.57                    | 74.00                    | -25.43         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

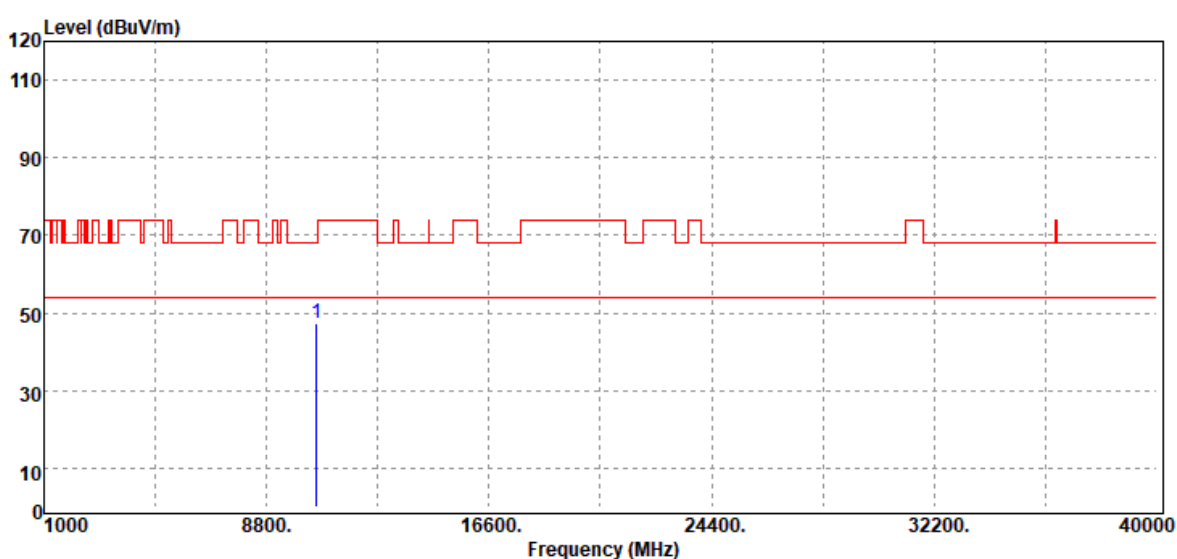


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10640.00       | Peak                           | 32.90                               | 14.62          | 47.52                    | 74.00                    | -26.48         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5270 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

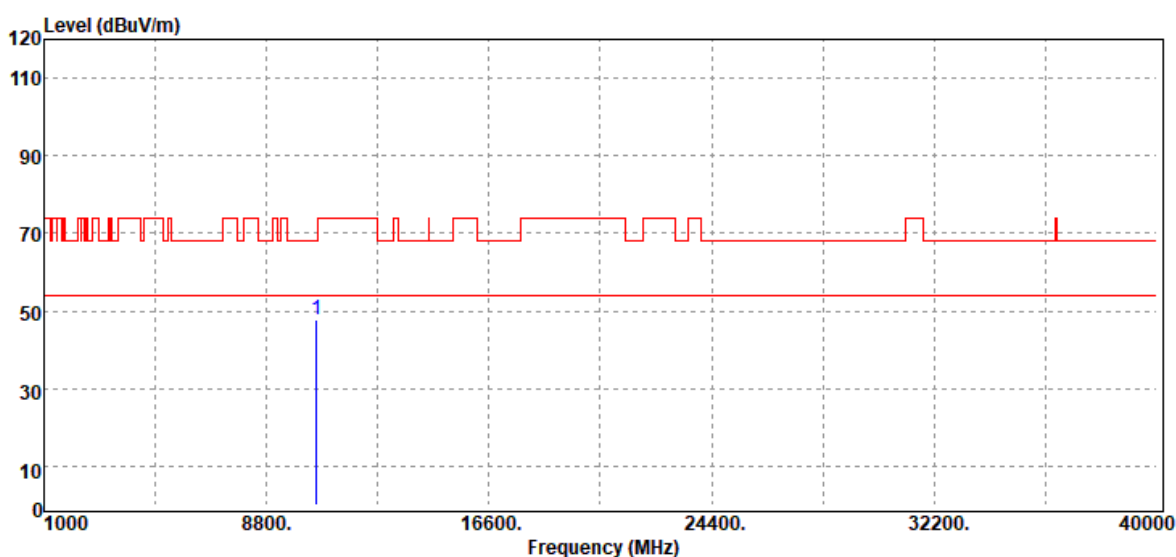


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10540.00       | Peak                           | 33.29                               | 14.09          | 47.38                    | 68.20                    | -20.82         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5270 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10540.00       | Peak                           | 33.64                               | 14.09          | 47.73                    | 68.20                    | -20.47         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



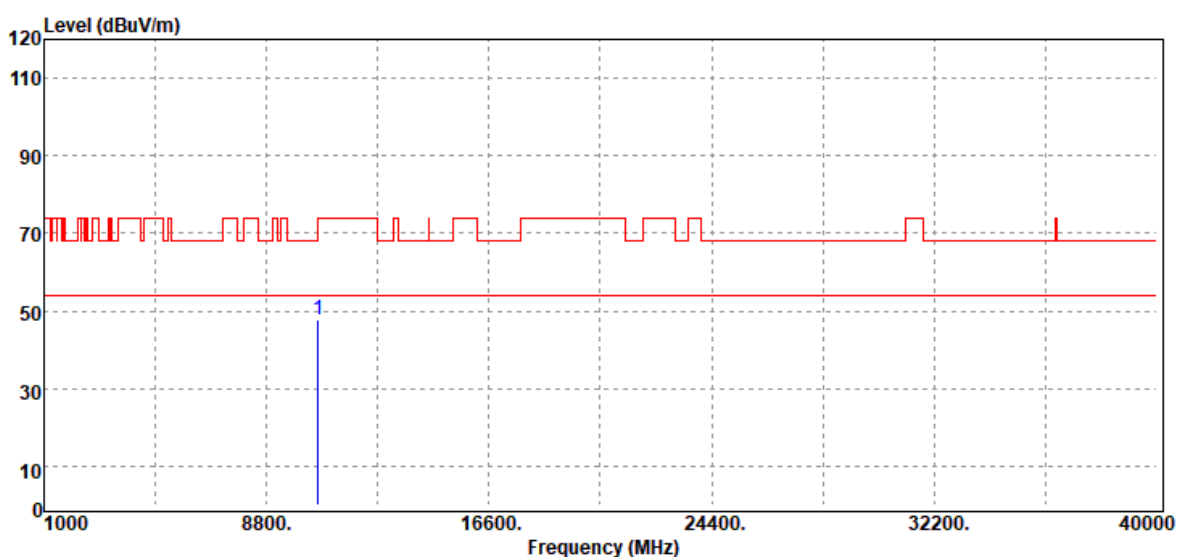
| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10620.00       | Peak                           | 33.27                               | 14.41          | 47.68                    | 74.00                    | -26.32         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



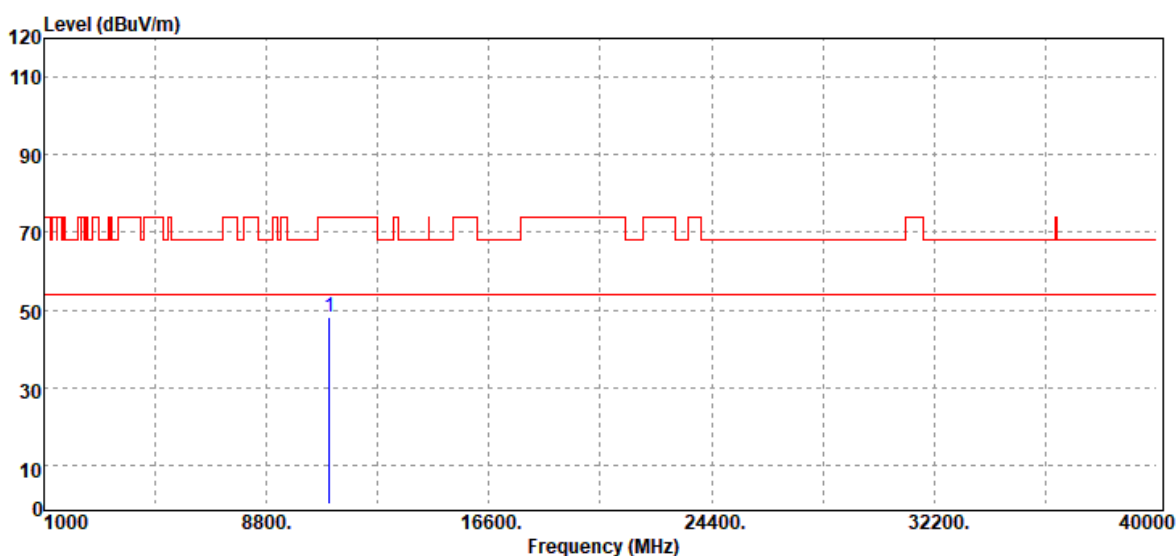
| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10620.00       | Peak                           | 33.18                               | 14.41          | 47.59                    | 74.00                    | -26.41         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

### Test Data for UNII-2c

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5500 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

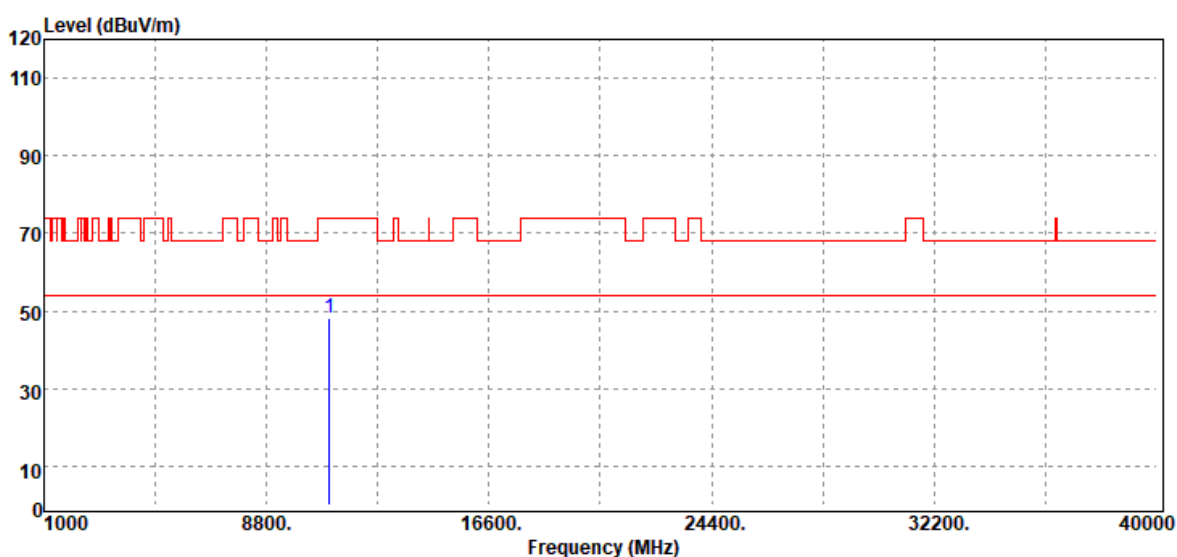


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11000.00       | Peak                           | 33.30                               | 15.00          | 48.30                    | 74.00                    | -25.70         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5500 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

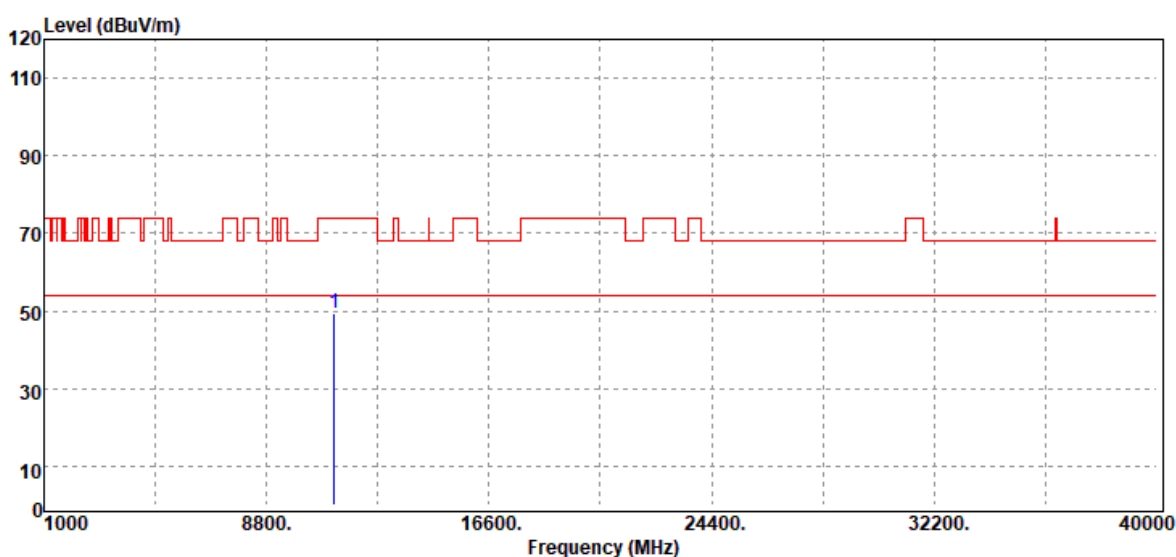


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11000.00       | Peak                           | 32.96                               | 15.00          | 47.96                    | 74.00                    | -26.04         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5580 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

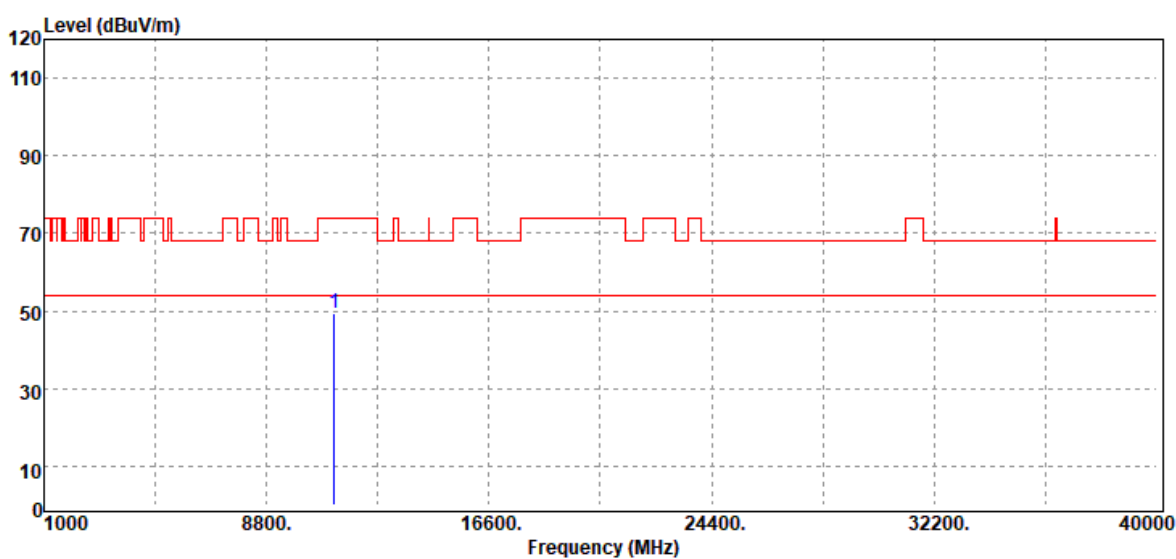


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11160.00       | Peak                           | 33.78                               | 15.48          | 49.26                    | 74.00                    | -24.74         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5580 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

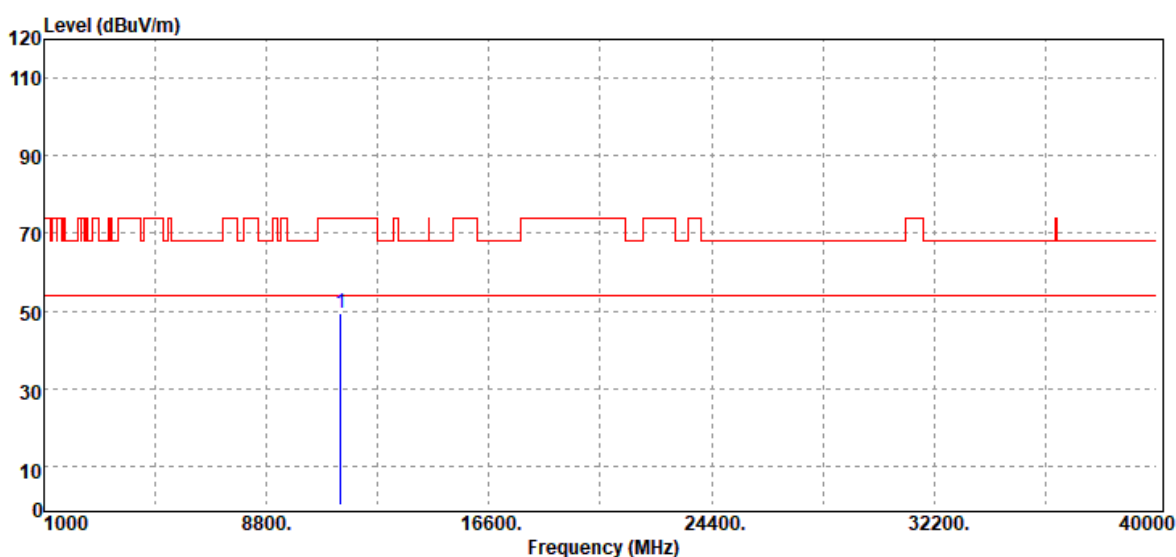


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11160.00       | Peak                           | 33.74                               | 15.48          | 49.22                    | 74.00                    | -24.78         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5700 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

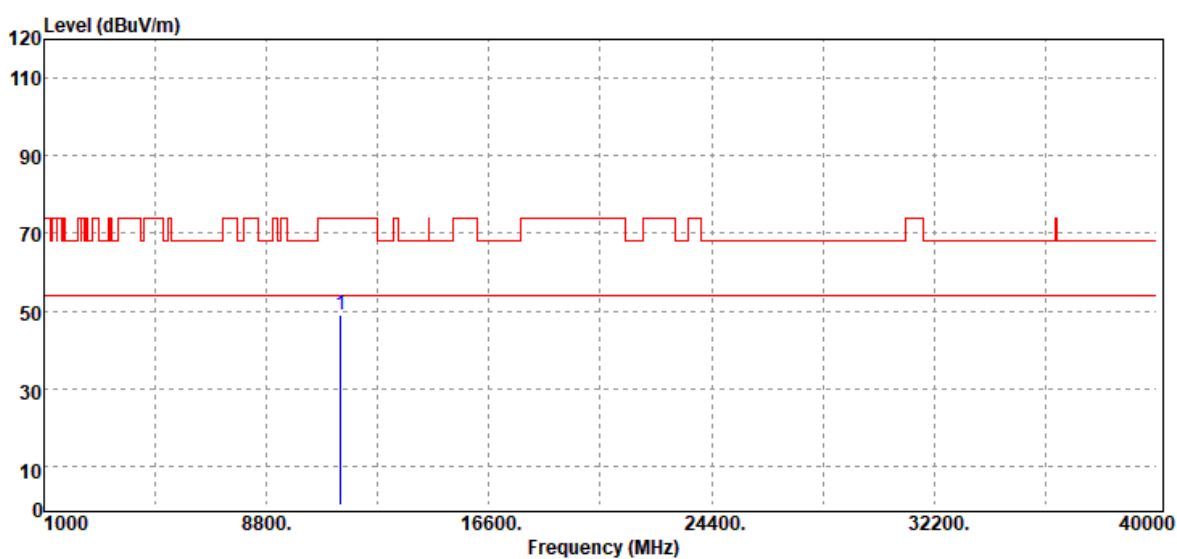


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11400.00       | Peak                           | 33.57                               | 15.72          | 49.29                    | 74.00                    | -24.71         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5700 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

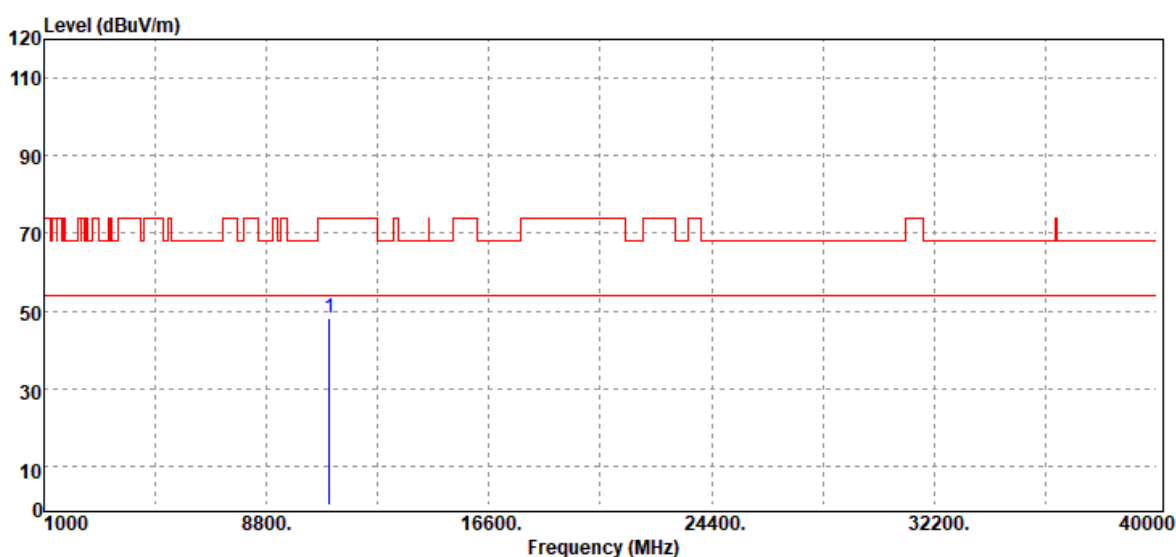


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11400.00       | Peak                           | 33.34                               | 15.72          | 49.06                    | 74.00                    | -24.94         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



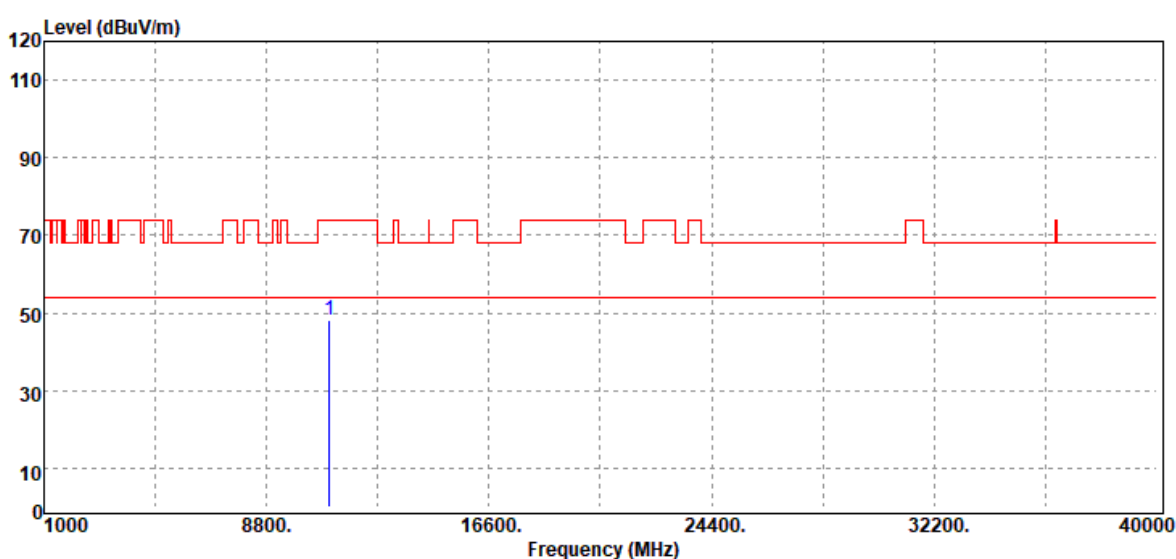
| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11000.00       | Peak                           | 33.01                               | 15.00          | 48.01                    | 74.00                    | -25.99         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

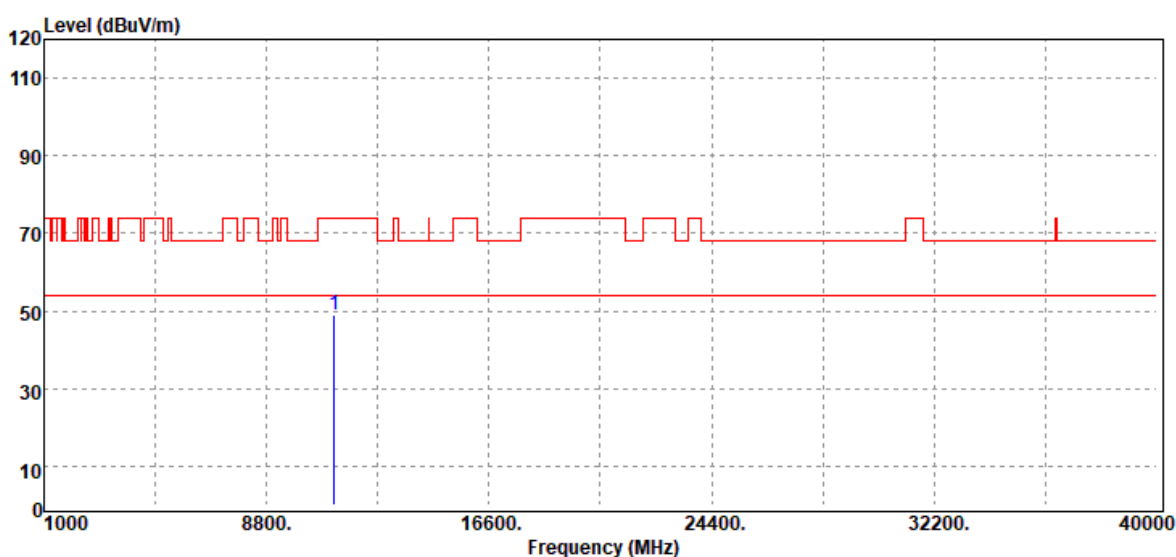


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11000.00       | Peak                           | 33.21                               | 15.00          | 48.21                    | 74.00                    | -25.79         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5580 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

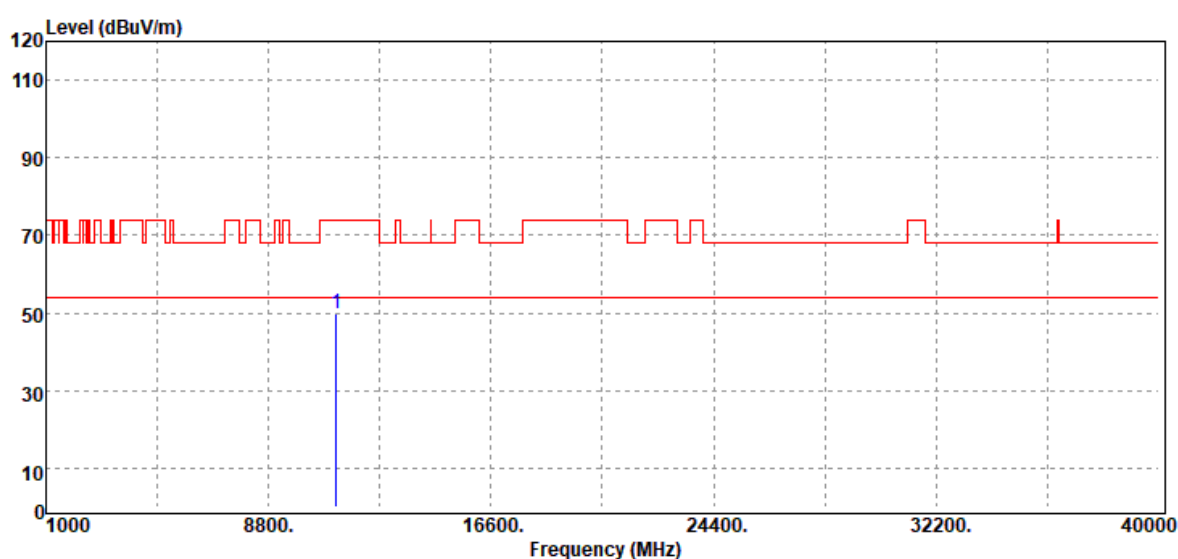


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11160.00       | Peak                           | 33.54                               | 15.48          | 49.02                    | 74.00                    | -24.98         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5580 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak and Average               |               |                  |

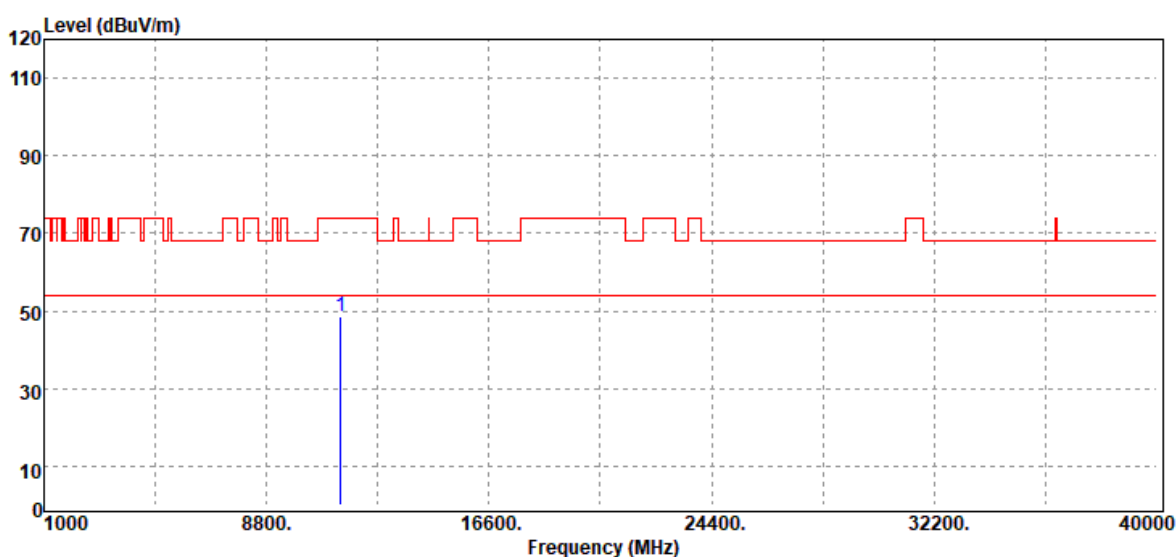


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11160.00       | Peak                           | 34.27                               | 15.48          | 49.75                    | 74.00                    | -24.25         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

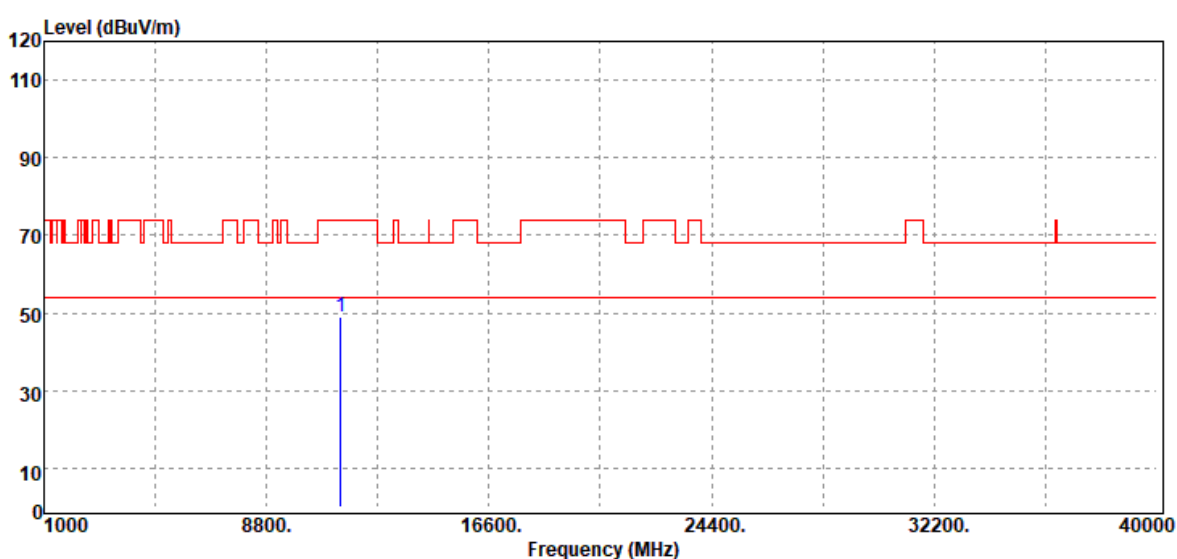


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11400.00       | Peak                           | 33.03                               | 15.72          | 48.75                    | 74.00                    | -25.25         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11400.00       | Peak                           | 33.26                               | 15.72          | 48.98                    | 74.00                    | -25.02         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

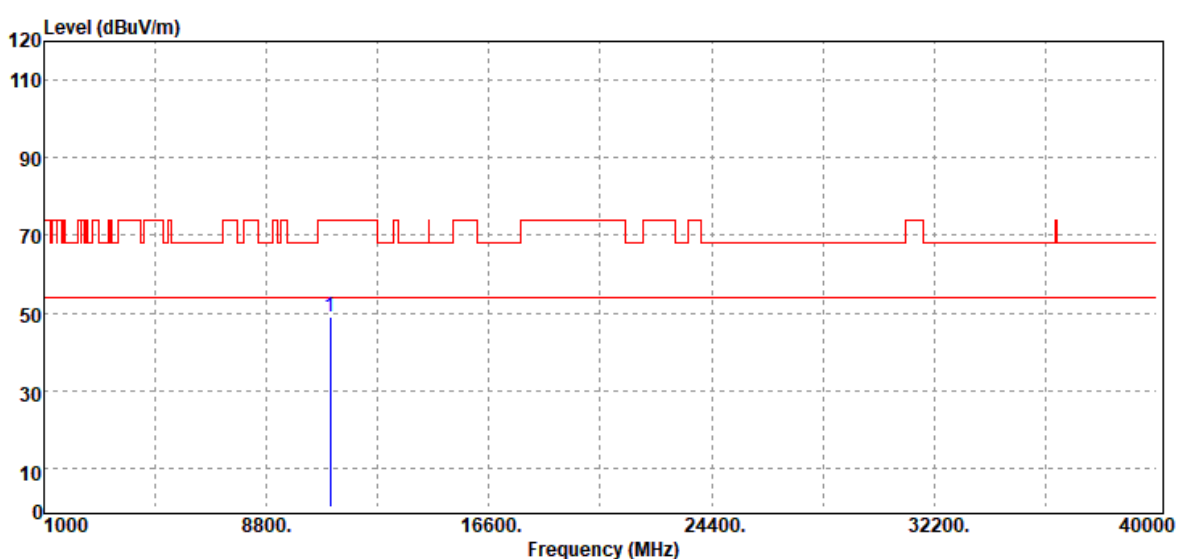


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11020.00       | Peak                           | 33.20                               | 15.11          | 48.31                    | 74.00                    | -25.69         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

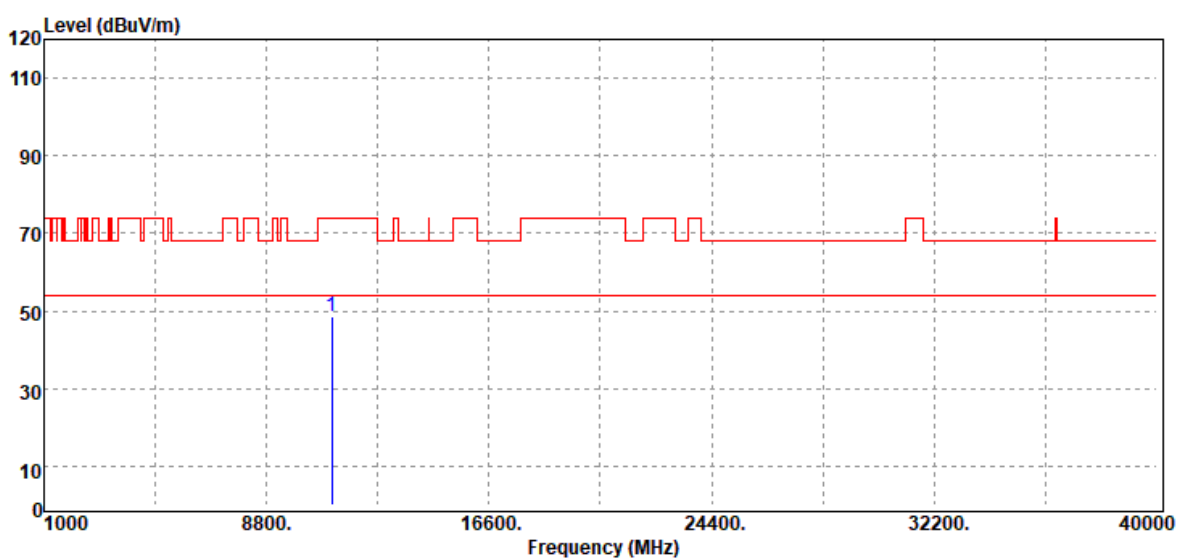


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11020.00       | Peak                           | 33.79                               | 15.11          | 48.90                    | 74.00                    | -25.10         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5550 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11100.00       | Peak                           | 33.50                               | 15.18          | 48.68                    | 74.00                    | -25.32         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5550 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

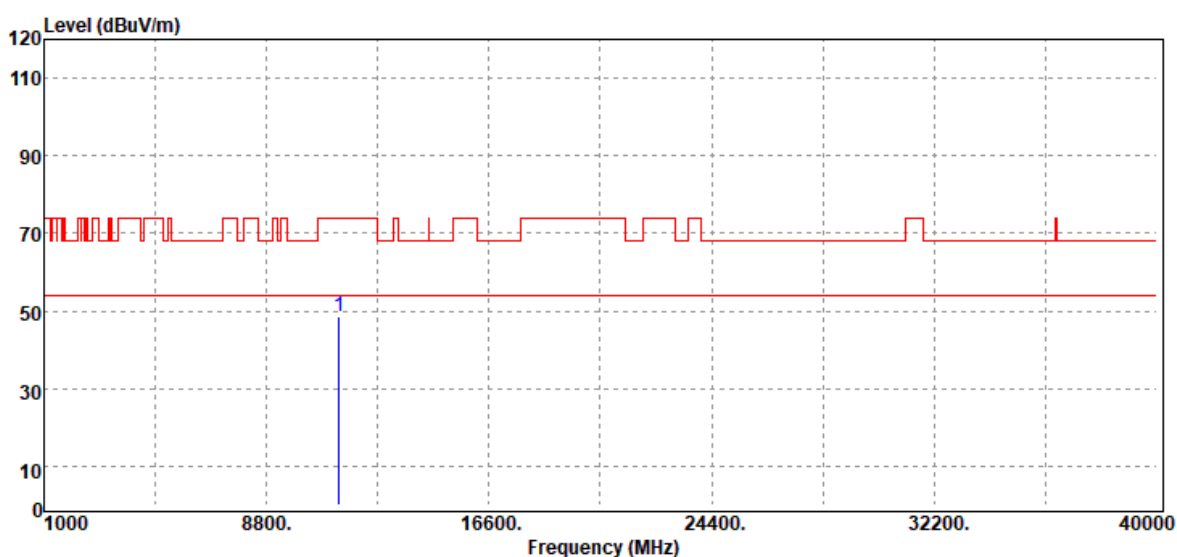


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11100.00       | Peak                           | 33.93                               | 15.18          | 49.11                    | 74.00                    | -24.89         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5670 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

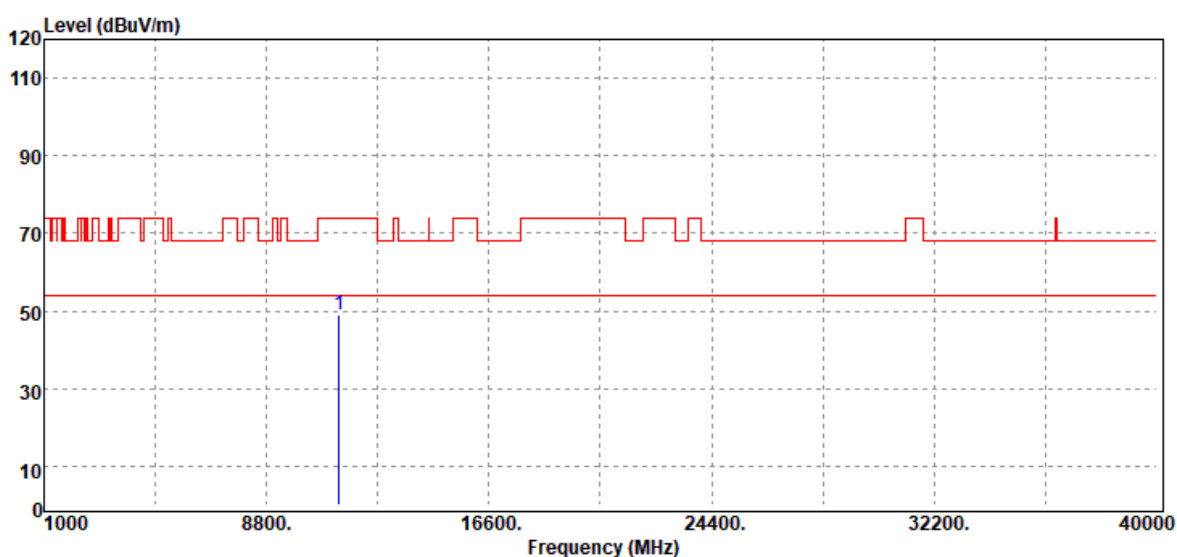


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11340.00       | Peak                           | 33.16                               | 15.58          | 48.74                    | 74.00                    | -25.26         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5670 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |



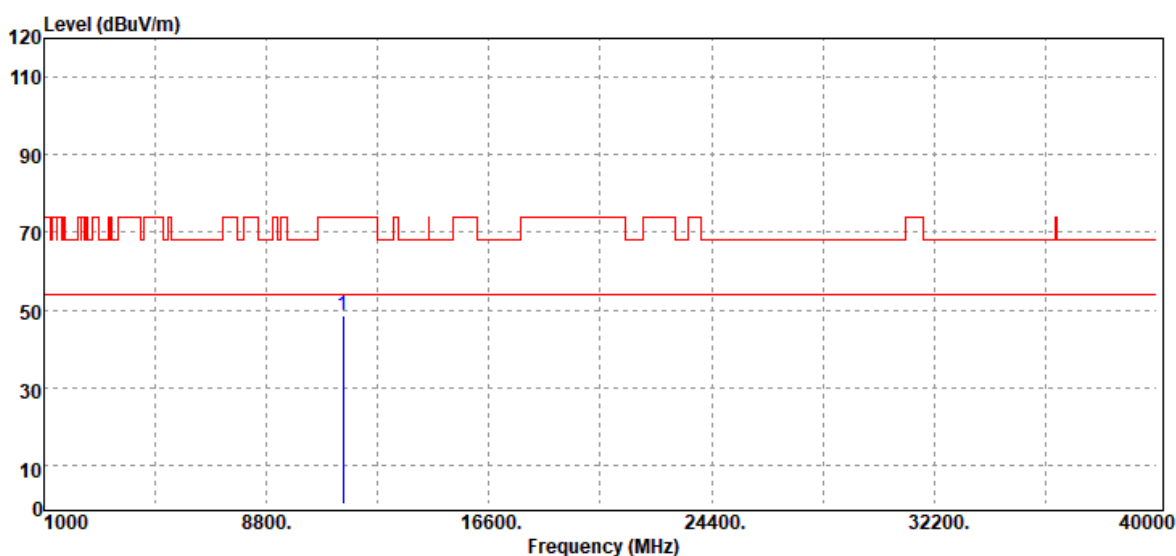
| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11340.00       | Peak                           | 33.35                               | 15.58          | 48.93                    | 74.00                    | -25.07         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

### Test Data for UNII-3

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

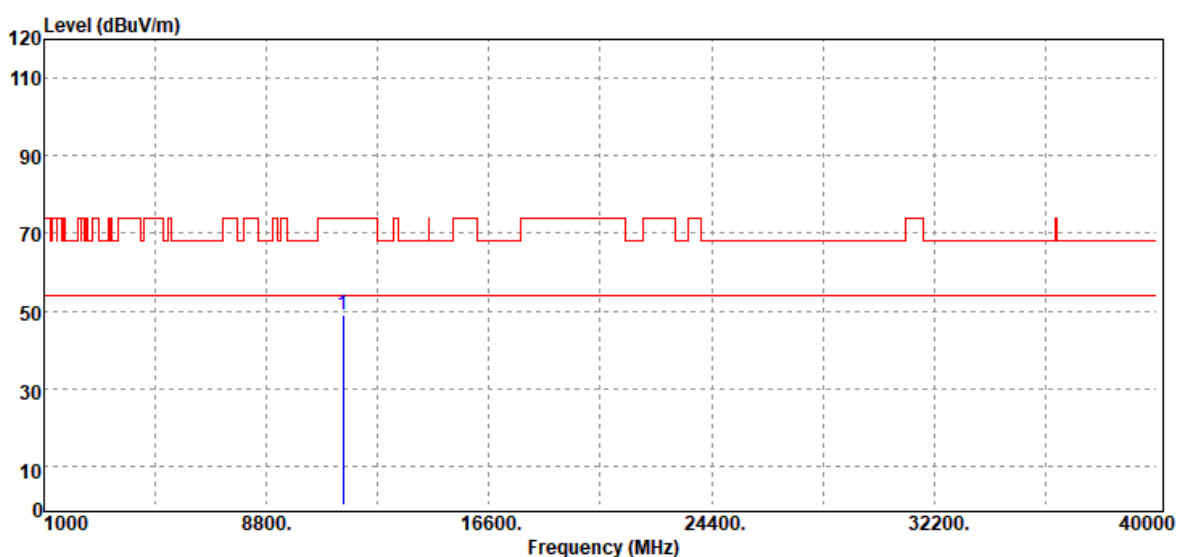


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00       | Peak                           | 33.15                               | 15.60          | 48.75                    | 74.00                    | -25.25         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

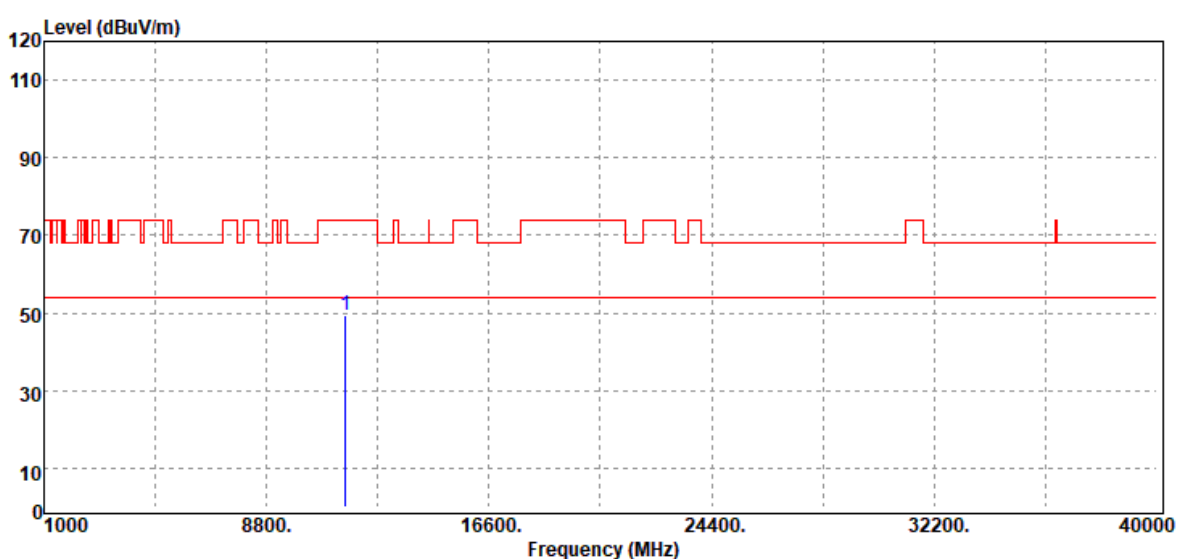


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00       | Peak                           | 33.33                               | 15.60          | 48.93                    | 74.00                    | -25.07         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5785 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

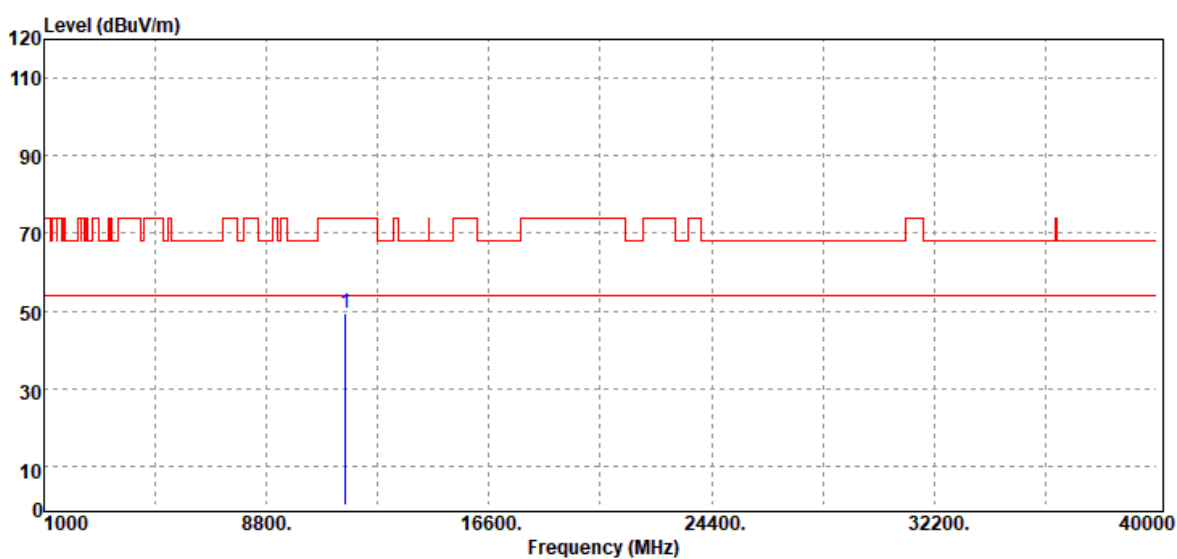


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00       | Peak                           | 33.39                               | 15.92          | 49.31                    | 74.00                    | -24.69         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5785 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

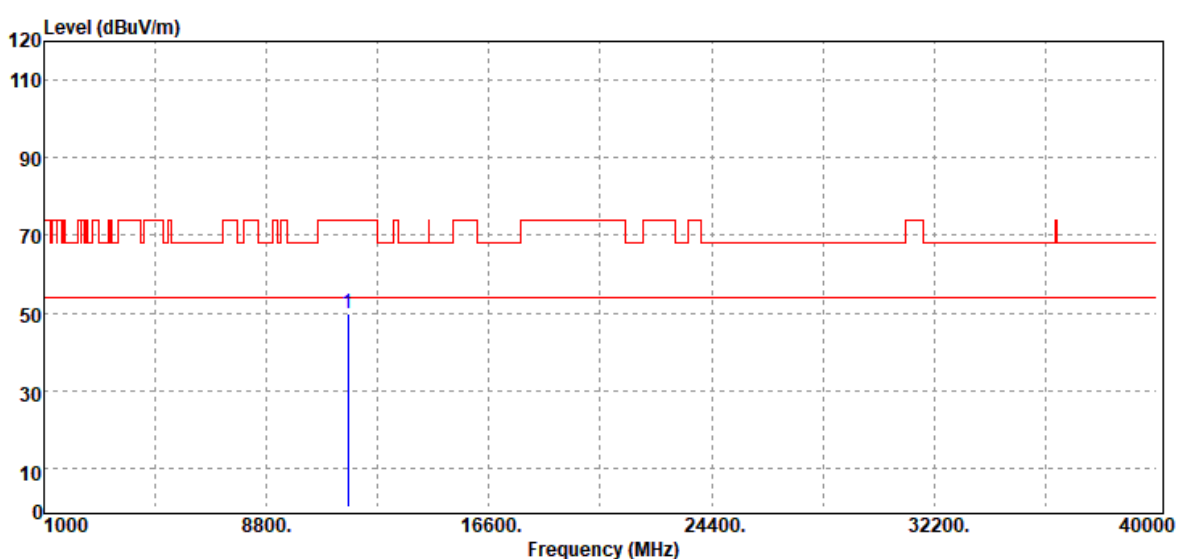


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00       | Peak                           | 33.49                               | 15.92          | 49.41                    | 74.00                    | -24.59         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Vertical                | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |



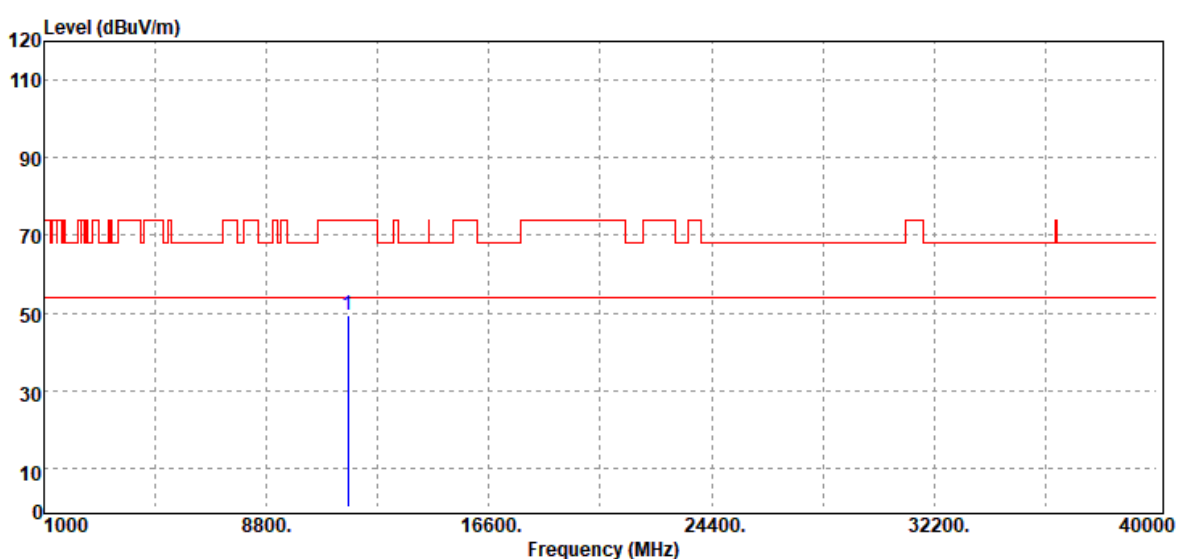
| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00       | Peak                           | 33.88                               | 15.89          | 49.77                    | 74.00                    | -24.23         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                | Test Date     | October 12, 2020 |
| Polarize  | Horizontal              | Test Engineer | Ray Li           |
| Detector  | Peak                    |               |                  |

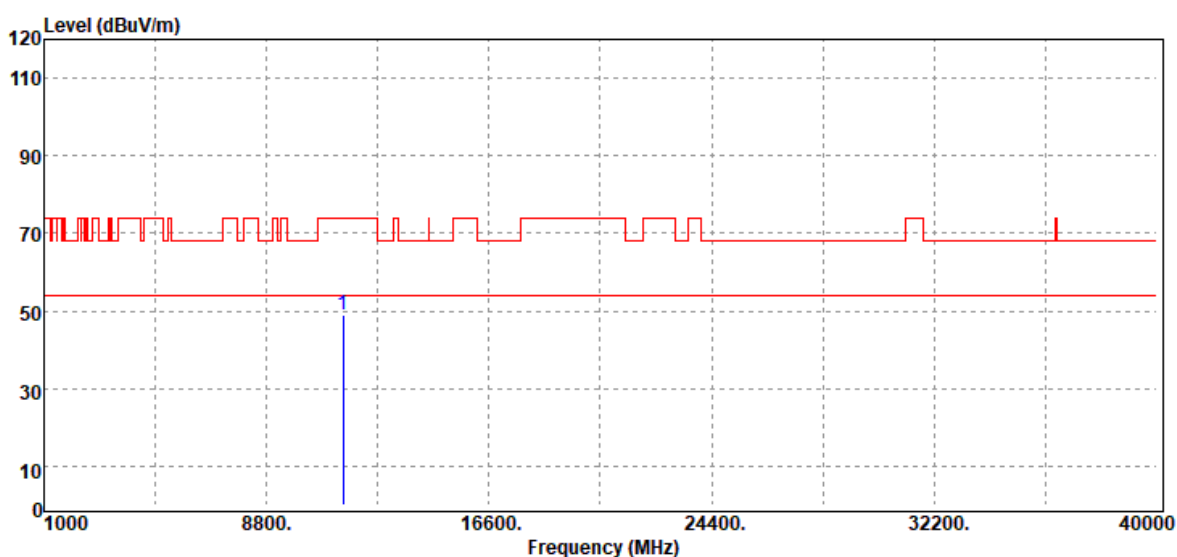


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00       | Peak                           | 33.51                               | 15.89          | 49.40                    | 74.00                    | -24.60         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Vertical                       | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

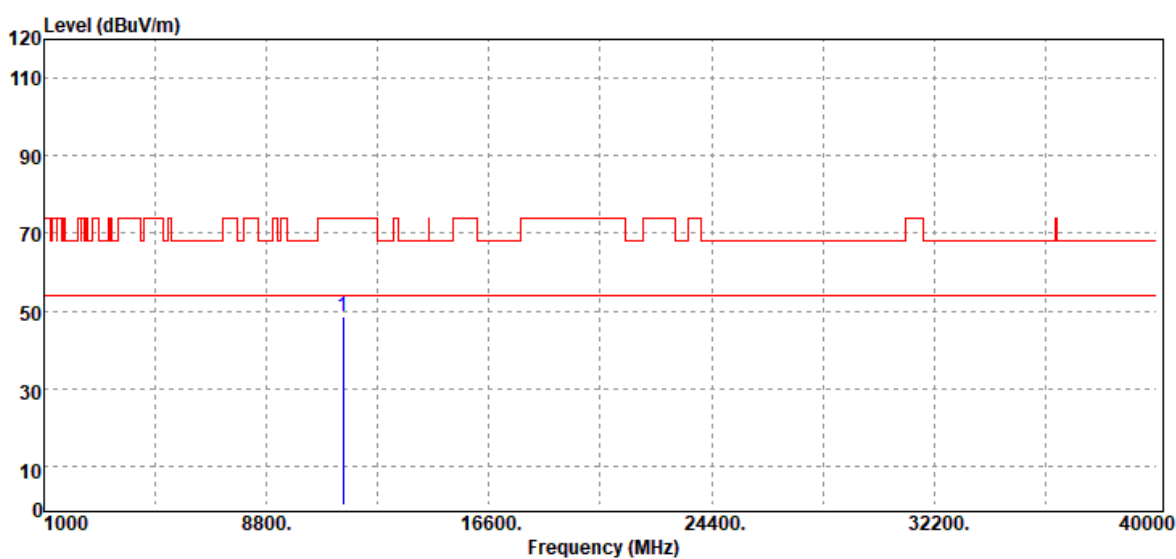


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00       | Peak                           | 33.32                               | 15.60          | 48.92                    | 74.00                    | -25.08         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                       | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                     | Test Engineer | Ray Li           |
| Detector  | Peak                           |               |                  |

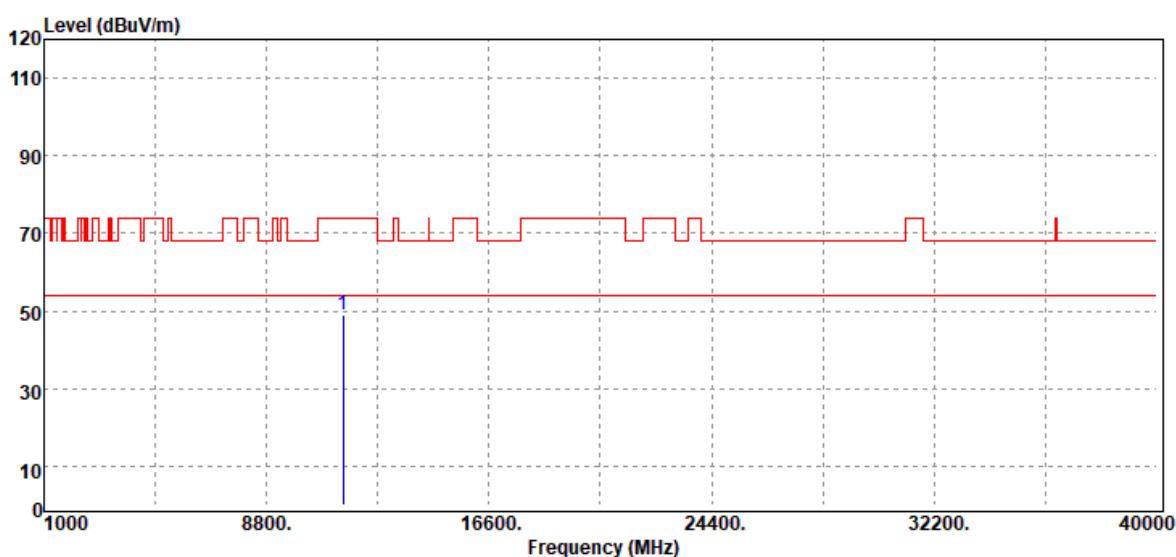


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00       | Peak                           | 32.97                               | 15.60          | 48.57                    | 74.00                    | -25.43         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5785 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                         | Test Date     | October 12, 2020 |
| Polarize  | Vertical                         | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |

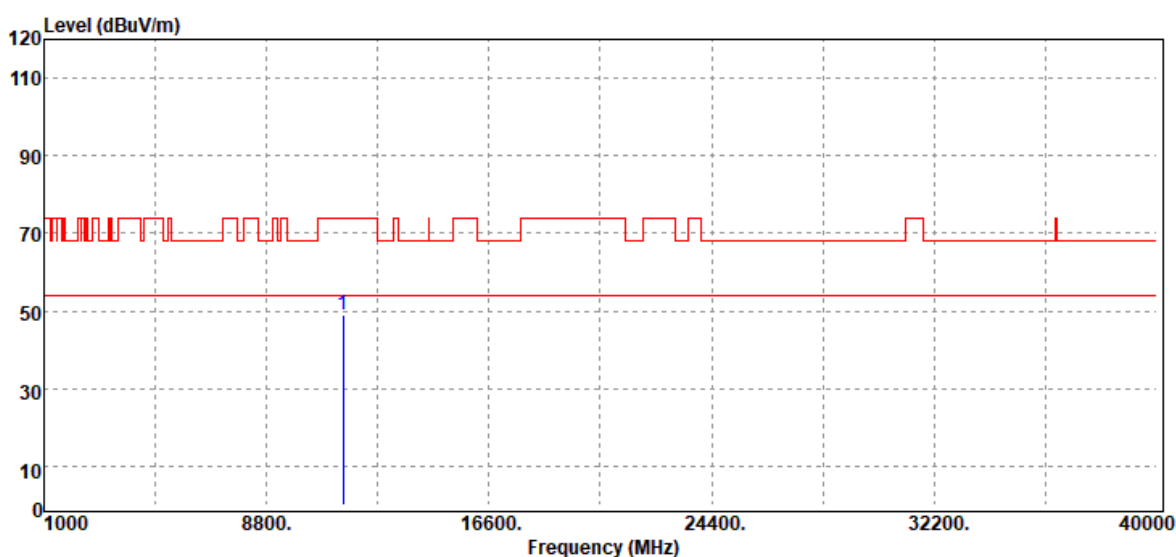


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00       | Peak                           | 33.56                               | 15.60          | 49.16                    | 74.00                    | -24.84         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5785 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                         | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                       | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |

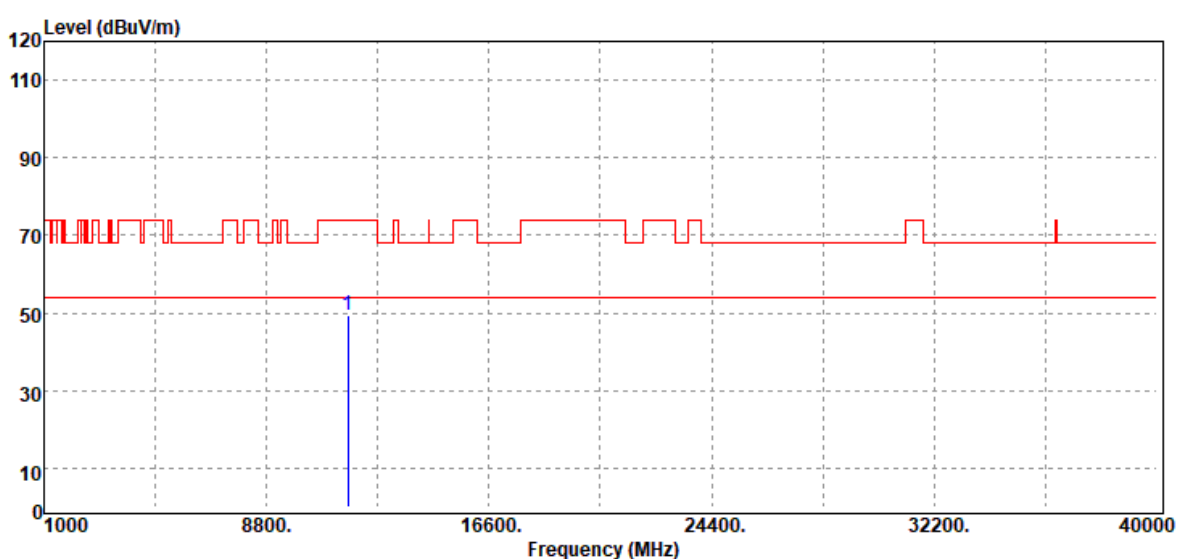


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00       | Peak                           | 33.23                               | 15.60          | 48.83                    | 74.00                    | -25.17         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5825 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                         | Test Date     | October 12, 2020 |
| Polarize  | Vertical                         | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |

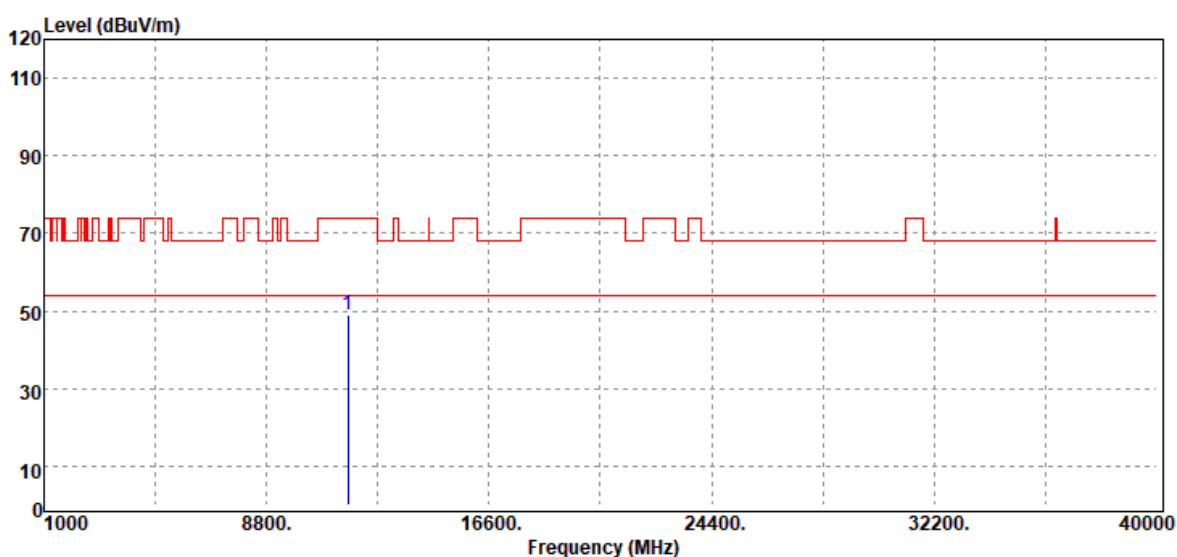


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00       | Peak                           | 33.44                               | 15.89          | 49.33                    | 74.00                    | -24.67         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5825 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                         | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                       | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |

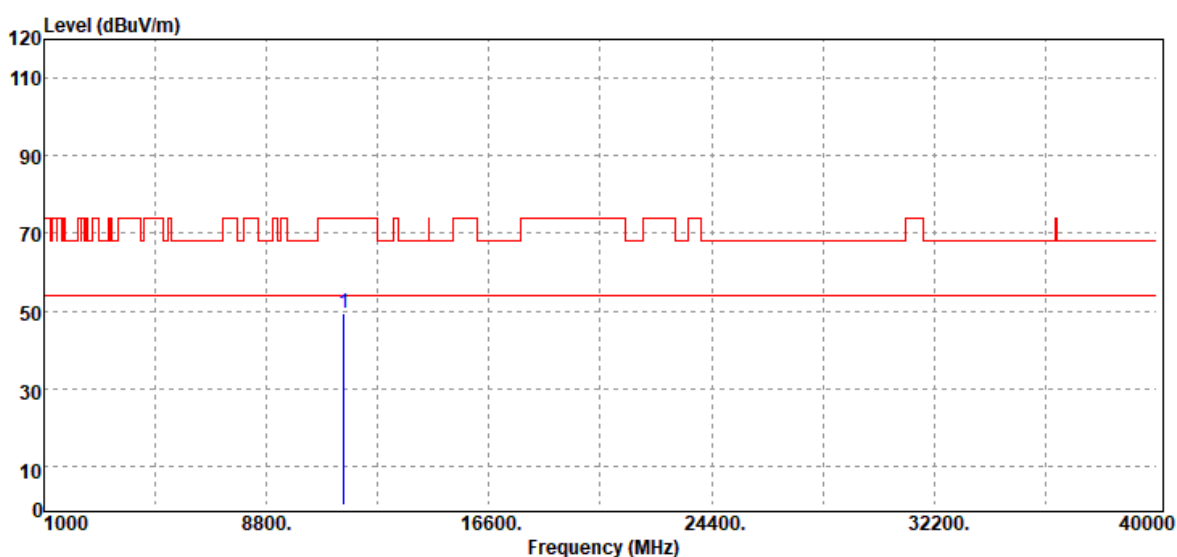


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00       | Peak                           | 33.03                               | 15.89          | 48.92                    | 74.00                    | -25.08         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                         | Test Date     | October 12, 2020 |
| Polarize  | Vertical                         | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |



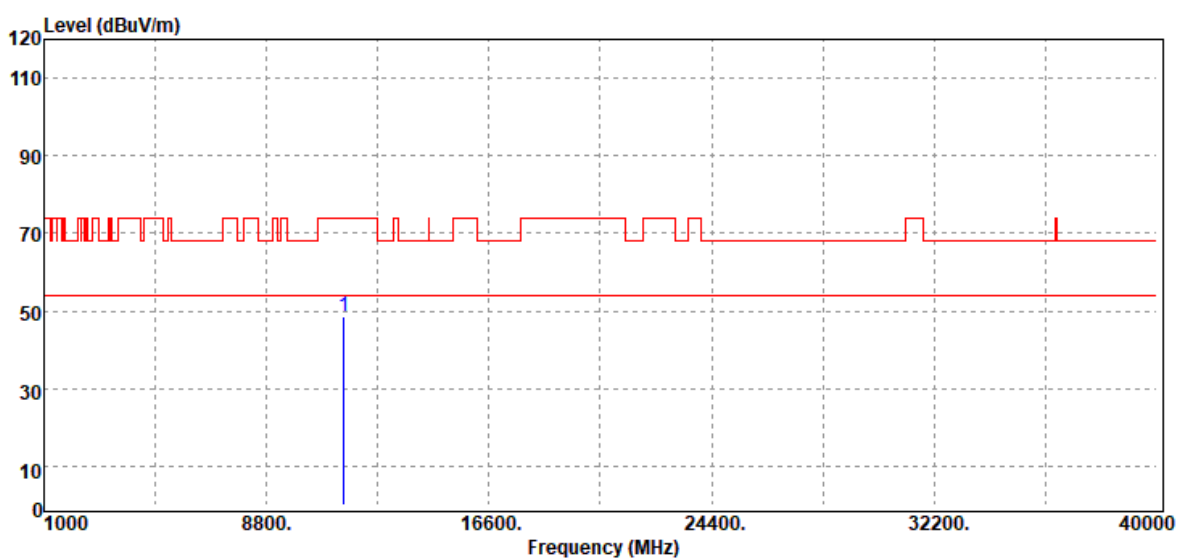
| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11510.00       | Peak                           | 33.56                               | 15.65          | 49.21                    | 74.00                    | -24.79         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                         | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                       | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |

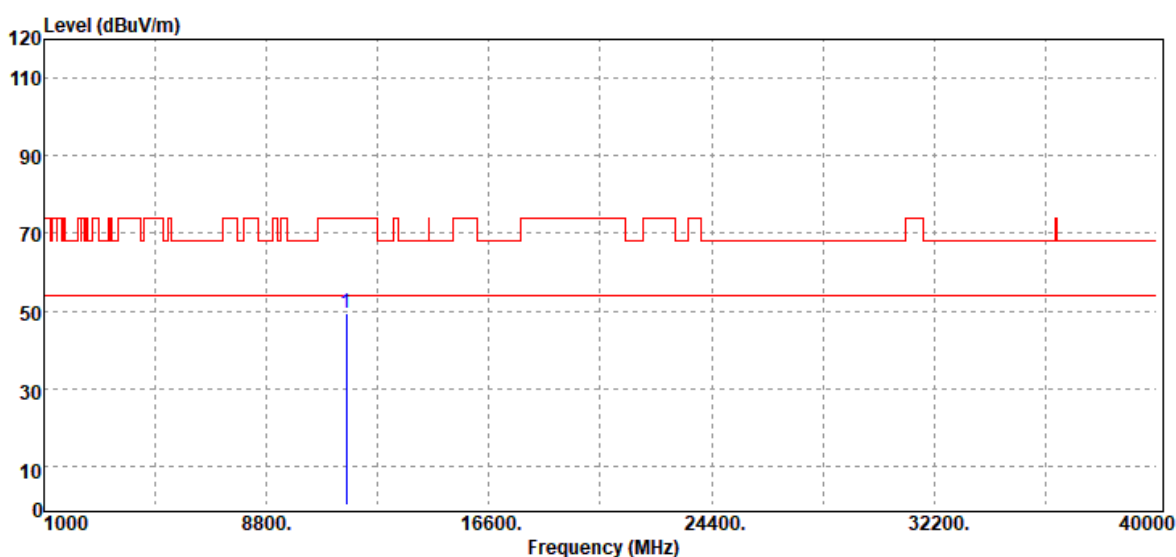


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11510.00       | Peak                           | 32.95                               | 15.65          | 48.60                    | 74.00                    | -25.40         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                         | Test Date     | October 12, 2020 |
| Polarize  | Vertical                         | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |

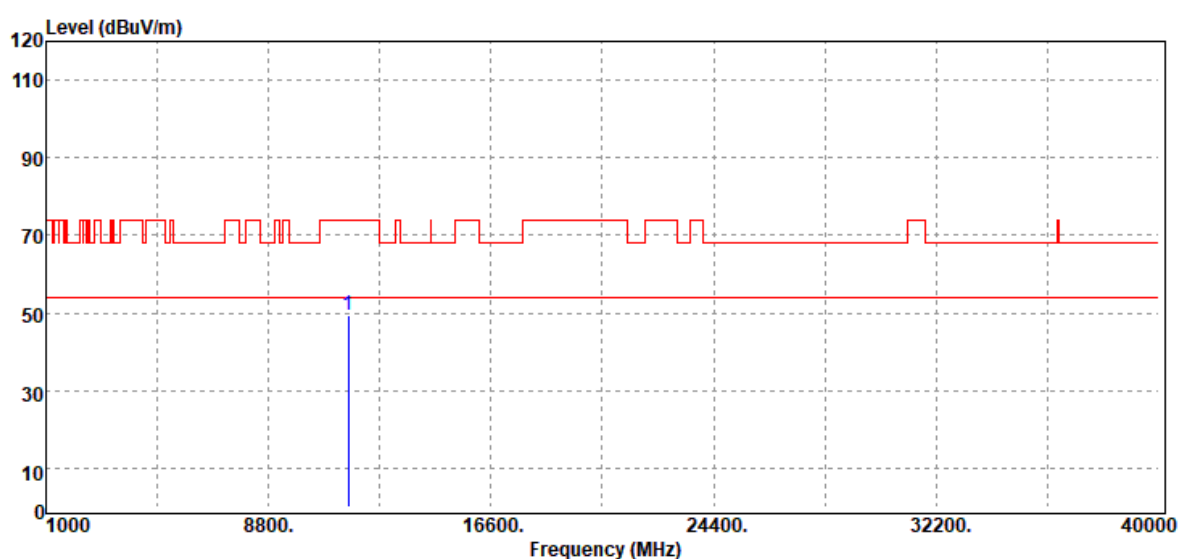


| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11590.00       | Peak                           | 33.35                               | 15.92          | 49.27                    | 74.00                    | -24.73         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 24.1(°C)/ 54%RH  |
| Test Item | Harmonic                         | Test Date     | October 12, 2020 |
| Polarize  | Horizontal                       | Test Engineer | Ray Li           |
| Detector  | Peak                             |               |                  |



| Freq.<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11590.00       | Peak                           | 33.56                               | 15.92          | 49.48                    | 74.00                    | -24.52         |
| N/A            |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |
|                |                                |                                     |                |                          |                          |                |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

## 4.4 TEST DATA RE-USE SUMMARY

### Introduction Section:

The application re-uses data collected on a similar device. The subject device of this application (Model: MP22-ARGON2-C, FCC ID: GKR421914, IC: 2533B-421914) is electrically identical to the reference device (Model: MP10-ARGON-C, FCC ID: GKR402547, IC: 2533B-402547) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 484596 D01.

### Differences Brief Description:

The WLAN, and BT hardware of this device are identical to the implementation in FCC ID: GKR421914.

IC: 2533B-421914

The Product Equality Declaration document includes detailed information about the changes between the devices. The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary table below.



Report No.: T200908W02-RP4

Page: 133 / 133

Rev.: 00

## Spot Check Verification Result Summary

| Equipment Class | Reference FCC ID / IC No. | Folder Test    | Report Title/ Section                                                                                                         |
|-----------------|---------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------|
| NII-WLAN        | GKR402547 / 2533B-402547  | T200505W01-RP4 | All Section<br>(Except for AC Conducted Emission, Output Power Measurement, Radiation Band Edge, Radiation Spurious Emission) |

## Summary of the spot check for Unlicensed bands and Licensed bands

In order to confirm hardware similarity of the subject device with the reference device, we used same setting power to conducted measurement were performed on the subject device for the conducted power density, the test result were similar with FCC ID: GKR402547 / IC: 2533B-402547.

### WLAN

| Report     | Test Item               | Band | Mode | CH.    | GKR402547 / 2533B-402547 | GKR421914 / 2533B-421914 | Gap (dB) |
|------------|-------------------------|------|------|--------|--------------------------|--------------------------|----------|
| NII (WLAN) | Conducted Power Density | 1    | a    | Ch 48  | 0.629                    | -0.285                   | 0.914    |
|            |                         |      | n20  | Ch 36  | 0.715                    | -0.121                   | 0.836    |
|            |                         |      | n40  | Ch 46  | -3.037                   | -3.988                   | 0.951    |
|            |                         | 2a   | a    | Ch 52  | 0.99                     | 0.212                    | 0.778    |
|            |                         |      | n20  | Ch 56  | 0.705                    | 0.325                    | 0.38     |
|            |                         |      | n40  | Ch 54  | -3.661                   | -4.284                   | 0.623    |
|            |                         | 2c   | a    | Ch 116 | 0.249                    | -1.002                   | 1.251    |
|            |                         |      | n20  | Ch 116 | -0.074                   | -0.875                   | 0.801    |
|            |                         |      | n40  | Ch 110 | -2.813                   | -3.142                   | 0.329    |
|            |                         | 3    | a    | Ch 157 | -3.179                   | -4.585                   | 1.406    |
|            |                         |      | n20  | Ch 157 | -3.039                   | -4.21                    | 1.171    |
|            |                         |      | n40  | Ch 151 | -6.071                   | -6.556                   | 0.485    |

- End of Test Report -