

**ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT****CLASS II & IV PC REPORT**

OF

Acer Incorporated

**Applicant:** 8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City  
22181, Taiwan (R.O.C)

**Product Name:** 2TX 11ax (WiFi6) + BLE Combo Card

**Brand Name:** Acer

**Model No.:** MT7921

**Model Difference:** N/A

**Report Number:** E2/2020/C0072

**FCC ID** HLZMT7921

**IC:** 1754F-MT7921

**FCC Rule Part:** §15.247, Cat: DTS

**IC RSS:** RSS-247 issue 2 Feb 2017

**Issue Date:** March 3, 2021

**Date of Test:** December 29, 2020 - February 25, 2021

**Date of EUT Received:** December 29, 2020

**We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits.

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

Approved By:

Jazz Huang

Jazz Huang / Asst. Supervisor



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## Revision History

| Report Number | Revision | Description | Issue Date    | Remark                |
|---------------|----------|-------------|---------------|-----------------------|
| E2/2020/C0072 | Rev.00   | Original.   | March 3, 2021 | Revised By: Yuri Tsai |
|               |          |             |               |                       |

**Note:**

## 1、Disclaimer

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

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# 1 GENERAL INFORMATION

## 1.1 Product description

|                                        |                                                                           |
|----------------------------------------|---------------------------------------------------------------------------|
| Product Name:                          | Notebook Computer                                                         |
| Brand Name:                            | <i>acer</i>                                                               |
| Model No. of FCC Host:                 | N20C12                                                                    |
| Model No. of IC Host:                  | SF314-43                                                                  |
| Model Difference:                      | For Marketing Purpose                                                     |
| Hardware Version:                      | N/A                                                                       |
| Software Version:                      | N/A                                                                       |
| EUT Series No.:                        | N8AB1WW00204900D073400                                                    |
| Model No. of BT/WLAN Module:           | MT7921                                                                    |
| Class II & Class IV Permissive change: | 2TX 11ax (WiFi6) + BLE Combo Card INSTALLED IN Notebook Computer          |
| Power Supply:                          | 11.25Vdc from Rechargeable Li-polymer Battery or 19Vdc from AC/DC Adapter |

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| Wi-Fi 802.11              | Frequency Range | Channels                                                                                                                                                                                                                                                                                   | Rated Power (Peak) / EIRP (Worst Case) | Modulation Technology |
|---------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|
| b                         | 2412-2472       | 13                                                                                                                                                                                                                                                                                         | 20.97 dBm / 18.53 dBm                  | DSSS                  |
| g                         |                 |                                                                                                                                                                                                                                                                                            | 20.67 dBm / 18.57 dBm                  | OFDM / OFDMA          |
| n_HT20 / ac_VHT20 ax_HE20 |                 |                                                                                                                                                                                                                                                                                            | VHT 20.94 dBm / HE18.78 dBm            |                       |
| n_HT40 / ac_VHT40 ax_HE40 | 2422-2462       | 9                                                                                                                                                                                                                                                                                          | VHT 20.44 dBm / 18.80 dBm              |                       |
| Modulation type:          |                 | CCK, DQPSK, DBPSK for DSSS<br>64QAM, 16QAM, QPSK, BPSK for OFDM<br>256QAM for OFDM in 802.11ac mode and VHT20/40 in 2.4GHz<br>1024QAM for OFDMA in 11ax HE mode                                                                                                                            |                                        |                       |
| Transission Rate          |                 | 802.11 b: 1/2/5.5/11 Mbps<br>802.11 g: 6/9/12/18/24/36/48/54 Mbps<br>802.11 n_20MHz: 6.5 – 144.4Mbps<br>802.11 n_40MHz: 13.5 – 300.0Mbps<br>802.11 ac_20MHz: 6.5 – 144.4Mbps<br>802.11 ac_40MHz: 13.5 – 300.0Mbps<br>802.11 ax_HE20MHz: 8 –286.8 Mbps<br>802.11 ax_HE40MHz: 16 -573.6 Mbps |                                        |                       |

## 1.2 Antenna Designation

| Antenna Type | Supplier | Main / Aux | Antenna Part No. | Freq.  | Peak Antenna Gain (dBi) | Worst Antenna Gain |
|--------------|----------|------------|------------------|--------|-------------------------|--------------------|
| PIFA         | WNC      | Main       | DC33002JF00      | 2.4GHz | -1.22                   |                    |
|              |          | Aux        |                  | 2.4GHz | -0.24                   | V                  |

Note: Investigation has been done to determine the worst case scenario for the above antennas demonstrated with measurements in this report.

For MIMO mode, higher antenna gains are chosen to ensure higher directional gain is evaluated as below.

| Ant. Type | Supplier | Part No.    | Freq.(MHz) | Peak Gain (dBi) |
|-----------|----------|-------------|------------|-----------------|
| PIFA      | WNC      | DC33002JF00 | 2.4GHz     | 2.31            |

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### 1.3 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247

FCC KDB 558074 D01 DTS Meas. Guidance v05r02

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

RSS-247 issue 2 Feb. 2017

RSS-Gen. issue 5, Amendment 1, March 2019

ANSI C63.10:2013

### 1.4 Test Facility

SGS Taiwan Ltd. Central RF Lab (TAF code 3702)

No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333

FCC Designation number: TW0028

ISED CAB identifier: TW3702

### 1.5 Special Accessories

There are no special accessories used while test was conducted.

### 1.6 Equipment Modifications

There was no modification incorporated into the EUT.

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## 2 SYSTEM TEST CONFIGURATION

### 2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

### 2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

### 2.3 Test Procedure

#### 2.3.1 Conducted Test (RF)

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

#### 2.3.2 Radiated Emissions

The EUT is placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

### 2.4 Measurement Results Explanation Example

#### 2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m\*9m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

#### 2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

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## 2.5 Configuration of Tested System

Fig. 2-1 Radiated Emission

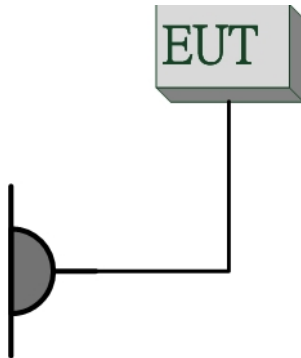


Fig. 2-2 Conducted (Antenna Port)



Table 2-1 Equipment Used in Tested System

| Item | Equipment          | Mfr/Brand | Model/Type No. | Series No. | Data Cable | Power Cord |
|------|--------------------|-----------|----------------|------------|------------|------------|
| 1    | WLAN Test Software | N/A       | N/A            | N/A        | N/A        | N/A        |

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### 3 SUMMARY OF TEST RESULTS

| FCC Rules             | IC Rules                                                       | Description Of Test                                | Result    |
|-----------------------|----------------------------------------------------------------|----------------------------------------------------|-----------|
| §15.247(b) (3)        | RSS-247 §5.4 d                                                 | Peak Output Power                                  | Compliant |
| §15.247(d)<br>§15.209 | RSS-247 §5.5<br>RSS-Gen §8.9<br>RSS-Gen §8.10<br>RSS-Gen §6.13 | Radiated Band Edge &<br>Radiated Spurious Emission | Compliant |

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## 4 DESCRIPTION OF TEST MODES

### 4.1 Operated in 2400 ~ 2483.5MHz Band

13 channels are provided for 802.11b/g/n/ac/ax 20M.

| CHANNEL | FREQUENCY (MHz) |
|---------|-----------------|
| 1       | 2412            |
| 2       | 2417            |
| 3       | 2422            |
| 4       | 2427            |
| 5       | 2432            |
| 6       | 2437            |
| 7       | 2442            |
| 8       | 2447            |
| 9       | 2452            |
| 10      | 2457            |
| 11      | 2462            |
| 12      | 2467            |
| 13      | 2472            |

11 channels are provided for 802.11n/ac/ax 40M

| CHANNEL | FREQUENCY (MHz) |
|---------|-----------------|
| 3       | 2422            |
| 4       | 2427            |
| 5       | 2432            |
| 6       | 2437            |
| 7       | 2442            |
| 8       | 2447            |
| 9       | 2452            |
| 10      | 2457            |
| 11      | 2462            |

### 4.2 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. aTest program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
3. Investigation has been done on all the possible configurations for searching the worst case.

The given UE is pre-scanned among below modes.

| Modulation                                   | Transmission Chain                      |                                         |                              |                              | Multiple Transmission Spatial            |
|----------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------|------------------------------|------------------------------------------|
| <input checked="" type="checkbox"/> 802.11 b | <input checked="" type="checkbox"/> Ch0 | <input checked="" type="checkbox"/> Ch1 | <input type="checkbox"/> Ch2 | <input type="checkbox"/> Ch3 | <input checked="" type="checkbox"/> 2TX  |
| <input checked="" type="checkbox"/> 802.11 g | <input checked="" type="checkbox"/> Ch0 | <input checked="" type="checkbox"/> Ch1 | <input type="checkbox"/> Ch2 | <input type="checkbox"/> Ch3 | <input checked="" type="checkbox"/> 2TX  |
| <input checked="" type="checkbox"/> 802.11 n | <input checked="" type="checkbox"/> Ch0 | <input checked="" type="checkbox"/> Ch1 | <input type="checkbox"/> Ch2 | <input type="checkbox"/> Ch3 | <input checked="" type="checkbox"/> MIMO |

4. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

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#### 4.3 Radiated Emission Test:

| MODE                                        | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
|---------------------------------------------|-------------------|----------------|------------|------------------|--------------|
| <b>RADIATED EMISSION TEST (ABOVE 1 GHz)</b> |                   |                |            |                  |              |
| 802.11b                                     | 1 to 13           | 1,6,11,12,13   | DSSS       | 1                | 2TX          |

**Note:**

The field strength of radiation emission was measured as NB Plane for channel Low, Mid and High.

#### 4.4 Antenna Port Conducted Measurement:

| <b>CONDUCTED TEST</b> |                   |                |            |                  |              |
|-----------------------|-------------------|----------------|------------|------------------|--------------|
| MODE                  | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11b               | 1 to 13           | 1,6,11,12,13   | DSSS       | 1                | 2TX          |
| 802.11g               | 1 to 13           | 1,6,11,12,13   | OFDM       | 6                | 2TX          |
| 802.11ac 20M          | 1 to 13           | 1,6,11,12,13   | OFDM       | VHT0             | MIMO         |
| 802.11ac 40M          | 3 to 11           | 3,6,9,10,11    | OFDM       | VHT0             | MIMO         |
| 802.11ax 20M          | 1 to 13           | 1,6,11,12,13   | OFDM       | MCS0             | MIMO         |
| 802.11ax 40M          | 3 to 11           | 3,6,9,10,11    | OFDM       | MCS0             | MIMO         |

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## 5 MEASUREMENT UNCERTAINTY

| Test Items           | Uncertainty            |
|----------------------|------------------------|
| Peak Output Power    | +/- 1 dB               |
| Temperature          | +/- 0.4 °C             |
| Humidity             | +/- 3.5 %              |
| DC / AC Power Source | DC= +/- 1%, AC= +/- 1% |

| Radiated Spurious Emission Measurement Uncertainty |             |                             |  |
|----------------------------------------------------|-------------|-----------------------------|--|
| Polarization: Vertical                             | +/- 2.64 dB | 9kHz~30MHz: +/-2.3dB        |  |
|                                                    | +/- 4.93 dB | 30MHz - 1000MHz: +/- 3.37dB |  |
|                                                    | +/- 4.81 dB | 1GHz - 18GHz: +/- 4.04dB    |  |
|                                                    | +/- 4.52 dB | 18GHz - 40GHz: +/- 4.04dB   |  |
| Polarization: Horizontal                           | +/- 2.64 dB | 9kHz~30MHz: +/-2.3dB        |  |
|                                                    | +/- 4.45 dB | 30MHz - 1000MHz: +/- 4.22dB |  |
|                                                    | +/- 4.81 dB | 1GHz - 18GHz: +/- 4.08dB    |  |
|                                                    | +/- 4.52 dB | 18GHz - 40GHz: +/- 4.08dB   |  |

### Note:

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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## 6 PEAK OUTPUT POWER MEASUREMENT

### 6.1 Standard Applicable

For systems using digital modulation in the 2400-2483.5 MHz bands, the limit for peak output power is 1Watt.

If the transmitting antenna of directional gain greater than 6dBi are used the peak output power form the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6dBi.

In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of Antenna exceeds 6dBi.

#### Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$\bullet \quad DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k}$  = / 20 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not;

$G_k$  is the gain in dBi of the kth antenna.

The antenna gain is not grater than 6 dBi. Therefore, reduction of power is not required.

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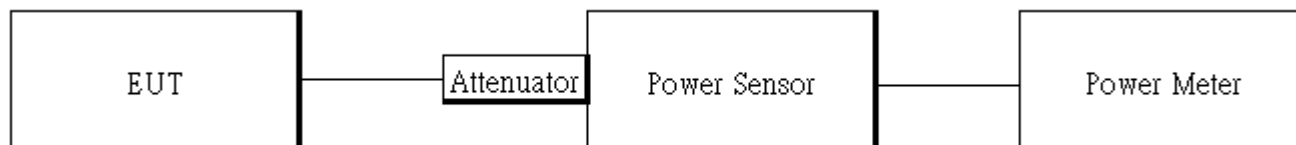
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## 6.2 Measurement Equipment Used

| Conducted Emission Test Site |             |               |               |            |            |
|------------------------------|-------------|---------------|---------------|------------|------------|
| EQUIPMENT TYPE               | MFR         | MODEL NUMBER  | SERIAL NUMBER | LAST CAL.  | CAL DUE.   |
| Spectrum Analyzer            | KEYSIGHT    | N9010B        | MY59071573    | 06/26/2020 | 06/25/2021 |
| Power Meter                  | Anritsu     | ML2496A       | 1512003       | 07/23/2020 | 07/22/2021 |
| Power Sensor                 | Anritsu     | MA2411B       | 1339378       | 07/23/2020 | 07/22/2021 |
| Power Sensor                 | Anritsu     | MA2411B       | 1339379       | 07/23/2020 | 07/22/2021 |
| Attenuator                   | Marvelous   | MVE2213-10    | RF06          | 11/19/2020 | 11/18/2021 |
| Attenuator                   | Marvelous   | WATT-218FS-10 | RF15          | 11/19/2020 | 11/18/2021 |
| DC Block                     | PASTER-NACK | PE8210        | RF153         | 11/19/2020 | 11/18/2021 |

## 6.3 Test Set-up



## 6.4 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.

### Power Meter:

It is used as the auxiliary test equipment to conduct the output power measurement.

4. Record the max. Reading as observed from Spectrum or Power Meter.

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## 6.5 Measurement Result:

## 6.5.1 Peak &amp; Avg

| 802.11b_2TX |                |              |              |                               |       |                                                                 |                |        |
|-------------|----------------|--------------|--------------|-------------------------------|-------|-----------------------------------------------------------------|----------------|--------|
| CH          | Freq.<br>(MHz) | Data<br>Rate | Power<br>set | Peak Output<br>Power          |       | Total Peak<br>Output Power<br>(dBm)                             | Limit<br>(dBm) | RESULT |
|             |                |              |              | CH 0                          | CH 1  |                                                                 |                |        |
| 1           | 2412           | 1            | 15.5         | 18.08                         | 17.83 | 20.97                                                           | 30.00          | PASS   |
| 6           | 2437           | 1            | 16           | 17.38                         | 17.63 | 20.52                                                           | 30.00          | PASS   |
| 11          | 2462           | 1            | 15.5         | 17.57                         | 17.57 | 20.58                                                           | 30.00          | PASS   |
| 12          | 2467           | 1            | 12           | 18.21                         | 17.65 | 20.95                                                           | 30.00          | PASS   |
| 13          | 2472           | 1            | 5.5          | 13.32                         | 13.75 | 16.55                                                           | 30.00          | PASS   |
| 802.11b_2TX |                |              |              |                               |       |                                                                 |                |        |
| CH          | Freq.<br>(MHz) | Data<br>Rate | Power<br>set | Avg. Output<br>Power<br>(dBm) |       | Max. Avg. Output<br>include tune up<br>tolerance Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|             |                |              |              | CH 0                          | CH 1  |                                                                 |                |        |
| 1           | 2412           | 1            | 15.5         | 13.11                         | 13.13 | 16.15                                                           | 30.00          | PASS   |
| 6           | 2437           | 1            | 16           | 13.11                         | 13.25 | 16.21                                                           | 30.00          | PASS   |
| 11          | 2462           | 1            | 15.5         | 13.13                         | 13.24 | 16.22                                                           | 30.00          | PASS   |
| 12          | 2467           | 1            | 12           | 13.24                         | 13.10 | 16.20                                                           | 30.00          | PASS   |
| 13          | 2472           | 1            | 5.5          | 9.01                          | 9.36  | 12.22                                                           | 30.00          | PASS   |
| 802.11g_2TX |                |              |              |                               |       |                                                                 |                |        |
| CH          | Freq.<br>(MHz) | Data<br>Rate | Power<br>set | Peak Output<br>Power          |       | Total Peak<br>Output Power<br>(dBm)                             | Limit<br>(dBm) | RESULT |
|             |                |              |              | CH 0                          | CH 1  |                                                                 |                |        |
| 1           | 2412           | 6            | 13.5         | 17.94                         | 17.36 | 20.67                                                           | 30.00          | PASS   |
| 6           | 2437           | 6            | 16           | 17.10                         | 17.38 | 20.25                                                           | 30.00          | PASS   |
| 11          | 2462           | 6            | 14           | 17.05                         | 17.95 | 20.53                                                           | 30.00          | PASS   |
| 12          | 2467           | 6            | 9            | 16.87                         | 16.01 | 19.47                                                           | 30.00          | PASS   |
| 13          | 2472           | 6            | 3.5          | 11.35                         | 11.32 | 14.35                                                           | 30.00          | PASS   |
| 802.11g_2TX |                |              |              |                               |       |                                                                 |                |        |
| CH          | Freq.<br>(MHz) | Data<br>Rate | Power<br>set | Avg. Output<br>Power<br>(dBm) |       | Max. Avg. Output<br>include tune up<br>tolerance Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|             |                |              |              | CH 0                          | CH 1  |                                                                 |                |        |
| 1           | 2412           | 6            | 13.5         | 13.18                         | 13.16 | 16.26                                                           | 30.00          | PASS   |
| 6           | 2437           | 6            | 16           | 13.04                         | 13.01 | 16.11                                                           | 30.00          | PASS   |
| 11          | 2462           | 6            | 14           | 13.03                         | 13.30 | 16.25                                                           | 30.00          | PASS   |
| 12          | 2467           | 6            | 9            | 12.33                         | 11.96 | 15.24                                                           | 30.00          | PASS   |
| 13          | 2472           | 6            | 3.5          | 6.98                          | 7.12  | 10.14                                                           | 30.00          | PASS   |

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| 802.11ac_VHT20M MIMO |             |           |           |                         |       |                                                        |             |        |
|----------------------|-------------|-----------|-----------|-------------------------|-------|--------------------------------------------------------|-------------|--------|
| CH                   | Freq. (MHz) | Data Rate | Power set | Peak Output Power       |       | Total Peak Output Power (dBm)                          | Limit (dBm) | RESULT |
|                      |             |           |           | CH 0                    | CH 1  |                                                        |             |        |
| 1                    | 2412        | VHT0      | 14.5      | 17.63                   | 17.52 | 20.59                                                  | 30.00       | PASS   |
| 6                    | 2437        | VHT0      | 16        | 17.21                   | 17.48 | 20.36                                                  | 30.00       | PASS   |
| 11                   | 2462        | VHT0      | 14        | 17.83                   | 18.02 | 20.94                                                  | 30.00       | PASS   |
| 12                   | 2467        | VHT0      | 7.5       | 14.39                   | 14.68 | 17.55                                                  | 30.00       | PASS   |
| 13                   | 2472        | VHT0      | 2.5       | 9.66                    | 10.01 | 12.85                                                  | 30.00       | PASS   |
| 802.11ac_VHT20M MIMO |             |           |           |                         |       |                                                        |             |        |
| CH                   | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Max. Avg. Output include tune up tolerance Power (dBm) | Limit (dBm) | RESULT |
|                      |             |           |           | CH 0                    | CH 1  |                                                        |             |        |
| 1                    | 2412        | VHT0      | 14.5      | 13.04                   | 13.30 | 16.45                                                  | 30.00       | PASS   |
| 6                    | 2437        | VHT0      | 16        | 13.03                   | 13.24 | 16.42                                                  | 30.00       | PASS   |
| 11                   | 2462        | VHT0      | 14        | 13.25                   | 13.06 | 16.44                                                  | 30.00       | PASS   |
| 12                   | 2467        | VHT0      | 7.5       | 10.10                   | 10.03 | 13.35                                                  | 30.00       | PASS   |
| 13                   | 2472        | VHT0      | 2.5       | 5.40                    | 5.42  | 8.69                                                   | 30.00       | PASS   |
| 802.11ac_VHT40M MIMO |             |           |           |                         |       |                                                        |             |        |
| CH                   | Freq. (MHz) | Data Rate | Power set | Peak Output Power       |       | Total Peak Output Power (dBm)                          | Limit (dBm) | RESULT |
|                      |             |           |           | CH 0                    | CH 1  |                                                        |             |        |
| 3                    | 2422        | VHT0      | 13        | 17.52                   | 17.34 | 20.44                                                  | 30.00       | PASS   |
| 6                    | 2437        | VHT0      | 15        | 17.10                   | 17.27 | 20.20                                                  | 30.00       | PASS   |
| 9                    | 2452        | VHT0      | 13.5      | 16.99                   | 17.11 | 20.06                                                  | 30.00       | PASS   |
| 10                   | 2457        | VHT0      | 7         | 12.96                   | 12.84 | 15.91                                                  | 30.00       | PASS   |
| 11                   | 2462        | VHT0      | 5         | 10.38                   | 10.32 | 13.36                                                  | 30.00       | PASS   |
| 802.11ac_VHT40M MIMO |             |           |           |                         |       |                                                        |             |        |
| CH                   | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Max. Avg. Output include tune up tolerance Power (dBm) | Limit (dBm) | RESULT |
|                      |             |           |           | CH 0                    | CH 1  |                                                        |             |        |
| 3                    | 2422        | VHT0      | 13        | 12.85                   | 12.77 | 16.33                                                  | 30.00       | PASS   |
| 6                    | 2437        | VHT0      | 15        | 12.79                   | 12.92 | 16.38                                                  | 30.00       | PASS   |
| 9                    | 2452        | VHT0      | 13.5      | 12.94                   | 12.99 | 16.49                                                  | 30.00       | PASS   |
| 10                   | 2457        | VHT0      | 7         | 8.01                    | 8.18  | 11.62                                                  | 30.00       | PASS   |
| 11                   | 2462        | VHT0      | 5         | 6.20                    | 6.07  | 9.66                                                   | 30.00       | PASS   |

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| 802.11ax_HE20M MIMO |             |           |           |                         |       |                                                        |             |        |
|---------------------|-------------|-----------|-----------|-------------------------|-------|--------------------------------------------------------|-------------|--------|
| CH                  | Freq. (MHz) | Data Rate | Power set | Peak Output Power       |       | Total Peak Output Power (dBm)                          | Limit (dBm) | RESULT |
|                     |             |           |           | CH 0                    | CH 1  |                                                        |             |        |
| 1                   | 2412        | MCS0      | 13        | 17.29                   | 17.23 | 20.27                                                  | 30.00       | PASS   |
| 6                   | 2437        | MCS0      | 15        | 16.61                   | 16.72 | 19.68                                                  | 30.00       | PASS   |
| 11                  | 2462        | MCS0      | 13.5      | 16.67                   | 16.60 | 19.65                                                  | 30.00       | PASS   |
| 12                  | 2467        | MCS0      | 7         | 14.72                   | 14.34 | 17.54                                                  | 30.00       | PASS   |
| 13                  | 2472        | MCS0      | 2         | 9.04                    | 9.88  | 12.49                                                  | 30.00       | PASS   |
| 802.11ax_HE20M MIMO |             |           |           |                         |       |                                                        |             |        |
| CH                  | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Max. Avg. Output include tune up tolerance Power (dBm) | Limit (dBm) | RESULT |
|                     |             |           |           | CH 0                    | CH 1  |                                                        |             |        |
| 1                   | 2412        | MCS0      | 13        | 12.52                   | 12.51 | 16.40                                                  | 30.00       | PASS   |
| 6                   | 2437        | MCS0      | 15        | 12.44                   | 12.40 | 16.31                                                  | 30.00       | PASS   |
| 11                  | 2462        | MCS0      | 13.5      | 12.57                   | 12.60 | 16.47                                                  | 30.00       | PASS   |
| 12                  | 2467        | MCS0      | 7         | 9.77                    | 9.44  | 13.50                                                  | 30.00       | PASS   |
| 13                  | 2472        | MCS0      | 2         | 4.68                    | 4.91  | 8.68                                                   | 30.00       | PASS   |
| 802.11ax_HE40M MIMO |             |           |           |                         |       |                                                        |             |        |
| CH                  | Freq. (MHz) | Data Rate | Power set | Peak Output Power       |       | Total Peak Output Power (dBm)                          | Limit (dBm) | RESULT |
|                     |             |           |           | CH 0                    | CH 1  |                                                        |             |        |
| 3                   | 2422        | MCS0      | 13.5      | 17.27                   | 17.07 | 20.18                                                  | 30.00       | PASS   |
| 6                   | 2437        | MCS0      | 14.5      | 16.42                   | 16.18 | 19.31                                                  | 30.00       | PASS   |
| 9                   | 2452        | MCS0      | 13.5      | 16.73                   | 16.77 | 19.76                                                  | 30.00       | PASS   |
| 10                  | 2457        | MCS0      | 6.5       | 12.32                   | 12.41 | 20.11                                                  | 30.00       | PASS   |
| 11                  | 2462        | MCS0      | 4.5       | 10.25                   | 10.71 | 20.19                                                  | 30.00       | PASS   |
| 802.11ax_HE40M MIMO |             |           |           |                         |       |                                                        |             |        |
| CH                  | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Max. Avg. Output include tune up tolerance Power (dBm) | Limit (dBm) | RESULT |
|                     |             |           |           | CH 0                    | CH 1  |                                                        |             |        |
| 3                   | 2422        | MCS0      | 13.5      | 12.37                   | 12.42 | 16.26                                                  | 30.00       | PASS   |
| 6                   | 2437        | MCS0      | 14.5      | 12.42                   | 12.49 | 16.32                                                  | 30.00       | PASS   |
| 9                   | 2452        | MCS0      | 13.5      | 12.56                   | 12.57 | 16.43                                                  | 30.00       | PASS   |
| 10                  | 2457        | MCS0      | 6.5       | 7.81                    | 7.56  | 11.55                                                  | 30.00       | PASS   |
| 11                  | 2462        | MCS0      | 4.5       | 5.76                    | 5.89  | 9.69                                                   | 30.00       | PASS   |

**\* Note: The duty cycle factor is compensated to obtain the maximum value of measurement in average.**

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## 6.5.2 EIRP

| 802.11b_2TX |             |           |                   |       |                               |                    |            |             |        |
|-------------|-------------|-----------|-------------------|-------|-------------------------------|--------------------|------------|-------------|--------|
| CH          | Freq. (MHz) | Data Rate | Avg. Output Power |       | Total Avg. Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | RESULT |
|             |             |           | CH 0              | CH 1  |                               |                    |            |             |        |
| 1           | 2412        | 1         | 13.11             | 13.13 | 16.15                         | 2.31               | 18.46      | 36          | PASS   |
| 6           | 2437        | 1         | 13.11             | 13.25 | 16.21                         | 2.31               | 18.52      | 36          | PASS   |
| 11          | 2462        | 1         | 13.13             | 13.24 | 16.22                         | 2.31               | 18.53      | 36          | PASS   |
| 12          | 2467        | 1         | 13.24             | 13.10 | 16.20                         | 2.31               | 18.51      | 36          | PASS   |
| 13          | 2472        | 1         | 9.01              | 9.36  | 12.22                         | 2.31               | 14.53      | 36          | PASS   |

| 802.11g_2TX |             |           |                   |       |                               |                    |            |             |        |
|-------------|-------------|-----------|-------------------|-------|-------------------------------|--------------------|------------|-------------|--------|
| CH          | Freq. (MHz) | Data Rate | Avg. Output Power |       | Total Avg. Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | RESULT |
|             |             |           | CH 0              | CH 1  |                               |                    |            |             |        |
| 1           | 2412        | 6         | 13.18             | 13.16 | 16.26                         | 2.31               | 18.57      | 36          | PASS   |
| 6           | 2437        | 6         | 13.04             | 13.01 | 16.11                         | 2.31               | 18.42      | 36          | PASS   |
| 11          | 2462        | 6         | 13.03             | 13.30 | 16.25                         | 2.31               | 18.56      | 36          | PASS   |
| 12          | 2467        | 6         | 12.33             | 11.96 | 15.24                         | 2.31               | 17.55      | 36          | PASS   |
| 13          | 2472        | 6         | 6.98              | 7.12  | 10.14                         | 2.31               | 12.45      | 36          | PASS   |

| 802.11ac_VHT20M MIMO |             |           |                   |       |                               |                    |            |             |        |
|----------------------|-------------|-----------|-------------------|-------|-------------------------------|--------------------|------------|-------------|--------|
| CH                   | Freq. (MHz) | Data Rate | Avg. Output Power |       | Total Avg. Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | RESULT |
|                      |             |           | CH 0              | CH 1  |                               |                    |            |             |        |
| 1                    | 2412        | MCS8      | 13.04             | 13.30 | 16.45                         | 2.31               | 18.76      | 36          | PASS   |
| 6                    | 2437        | MCS8      | 13.03             | 13.24 | 16.42                         | 2.31               | 18.73      | 36          | PASS   |
| 11                   | 2462        | MCS8      | 13.25             | 13.06 | 16.44                         | 2.31               | 18.75      | 36          | PASS   |
| 12                   | 2467        | MCS8      | 10.10             | 10.03 | 13.35                         | 2.31               | 15.66      | 36          | PASS   |
| 13                   | 2472        | MCS8      | 5.40              | 5.42  | 8.69                          | 2.31               | 11.00      | 36          | PASS   |

| 802.11ac_VHT40M MIMO |             |           |                   |       |                               |                    |            |             |        |
|----------------------|-------------|-----------|-------------------|-------|-------------------------------|--------------------|------------|-------------|--------|
| CH                   | Freq. (MHz) | Data Rate | Avg. Output Power |       | Total Avg. Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | RESULT |
|                      |             |           | CH 0              | CH 1  |                               |                    |            |             |        |
| 3                    | 2422        | MCS8      | 12.85             | 12.77 | 16.33                         | 2.31               | 18.64      | 36          | PASS   |
| 6                    | 2437        | MCS8      | 12.79             | 12.92 | 16.38                         | 2.31               | 18.69      | 36          | PASS   |
| 9                    | 2452        | MCS8      | 12.94             | 12.99 | 16.49                         | 2.31               | 18.80      | 36          | PASS   |
| 10                   | 2457        | MCS8      | 8.01              | 8.18  | 11.62                         | 2.31               | 13.93      | 36          | PASS   |
| 11                   | 2462        | MCS8      | 6.20              | 6.07  | 9.66                          | 2.31               | 11.97      | 36          | PASS   |

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| 802.11ax_HE20M MIMO |                |              |                      |       |                                     |                          |               |       |        |
|---------------------|----------------|--------------|----------------------|-------|-------------------------------------|--------------------------|---------------|-------|--------|
| CH                  | Freq.<br>(MHz) | Data<br>Rate | Avg. Output<br>Power |       | Total Avg.<br>Output Power<br>(dBm) | Antenna<br>Gain<br>(dBi) | EIRP<br>(dBm) | Limit | RESULT |
|                     |                |              | CH 0                 | CH 1  |                                     |                          |               |       |        |
| 1                   | 2412           | MCS0         | 12.52                | 12.51 | 16.40                               | 2.31                     | 18.71         | 36    | PASS   |
| 6                   | 2437           | MCS0         | 12.44                | 12.40 | 16.31                               | 2.31                     | 18.62         | 36    | PASS   |
| 11                  | 2462           | MCS0         | 12.57                | 12.60 | 16.47                               | 2.31                     | 18.78         | 36    | PASS   |
| 802.11ax_HE40M MIMO |                |              |                      |       |                                     |                          |               |       |        |
| CH                  | Freq.<br>(MHz) | Data<br>Rate | Avg. Output<br>Power |       | Total Avg.<br>Output Power<br>(dBm) | Antenna<br>Gain<br>(dBi) | EIRP<br>(dBm) | Limit | RESULT |
|                     |                |              | CH 0                 | CH 1  |                                     |                          |               |       |        |
| 3                   | 2422           | MCS0         | 12.37                | 12.42 | 16.26                               | 2.31                     | 18.57         | 36    | PASS   |
| 6                   | 2437           | MCS0         | 12.42                | 12.49 | 16.32                               | 2.31                     | 18.63         | 36    | PASS   |
| 9                   | 2452           | MCS0         | 12.56                | 12.57 | 16.43                               | 2.31                     | 18.74         | 36    | PASS   |
| 10                  | 2457           | MCS0         | 7.81                 | 7.56  | 11.55                               | 2.31                     | 13.86         | 36    | PASS   |
| 11                  | 2462           | MCS0         | 5.76                 | 5.89  | 9.69                                | 2.31                     | 12.00         | 36    | PASS   |

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## 7 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

### 7.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below. And according to §15.33(a) (1) & RSS-Gen §6.13.2.a for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

| Frequency (MHz) | Field strength (microvolts/meter) | Distance (meters) |
|-----------------|-----------------------------------|-------------------|
| 0.009-0.490     | 2400/F(kHz)                       | 300               |
| 0.490-1.705     | 24000/F(kHz)                      | 30                |
| 1.705-30        | 30                                | 30                |
| 30-88           | 100                               | 3                 |
| 88-216          | 150                               | 3                 |
| 216-960         | 200                               | 3                 |
| Above 960       | 500                               | 3                 |

#### Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBμV/m) = 20 log Emission level (dBμV/m)

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## 7.2 Measurement Equipment Used:

| 966 Chamber       |                 |                   |               |            |            |
|-------------------|-----------------|-------------------|---------------|------------|------------|
| EQUIPMENT TYPE    | MFR             | MODEL NUMBER      | SERIAL NUMBER | LAST CAL.  | CAL DUE.   |
| Horn Antenna      | Schwarzbeck     | BBHA9120D         | 1341          | 06/22/2020 | 06/21/2021 |
| Horn Antenna      | Schwarzbeck     | BBHA9170          | 185           | 07/30/2020 | 07/29/2021 |
| 3m Site NSA       | SGS             | 966 chamber D     | N/A           | 07/12/2020 | 07/11/2021 |
| Spectrum Analyzer | KEYSIGHT        | N9010A            | MY54510568    | 07/08/2020 | 07/07/2021 |
| Pre-Amplifier     | EMC Instruments | EMC184045B        | 980135        | 10/27/2020 | 10/26/2021 |
| Pre-Amplifier     | EMC Instruments | EMC12630SE        | 980271        | 11/19/2020 | 11/18/2021 |
| High Pass Filter  | R&S             | F13 HPF 3GHz      | RF175         | 11/19/2020 | 11/18/2021 |
| Lowpass Filter    | Woken           | EWT-56-0019       | RF173         | 11/19/2020 | 11/18/2021 |
| Notch Filter      | Woken           | EWT-54-0038       | RF178         | 11/19/2020 | 11/18/2021 |
| Coaxial Cable     | Huber Suhner    | EMC106-SM-SM-7200 | 150703        | 11/19/2020 | 11/18/2021 |
| Coaxial Cable     | Huber Suhner    | SUCOFLEX 104      | MY17413/4     | 11/19/2020 | 11/18/2021 |

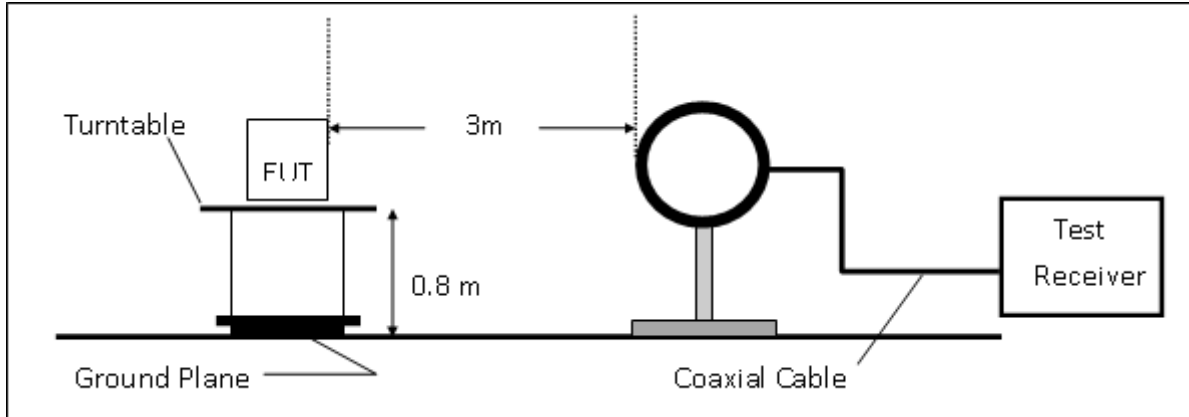
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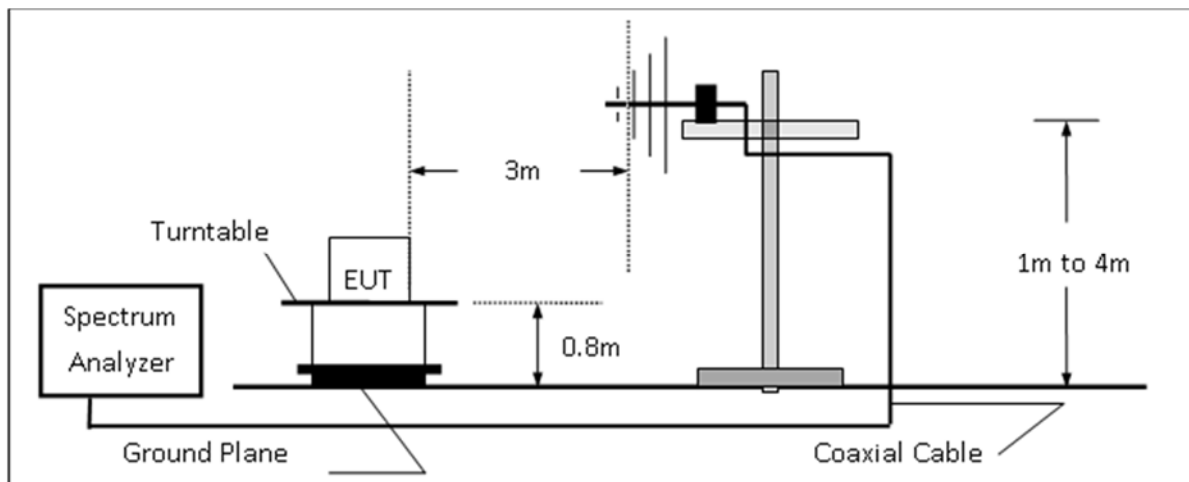
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### 7.3 Test SET-UP

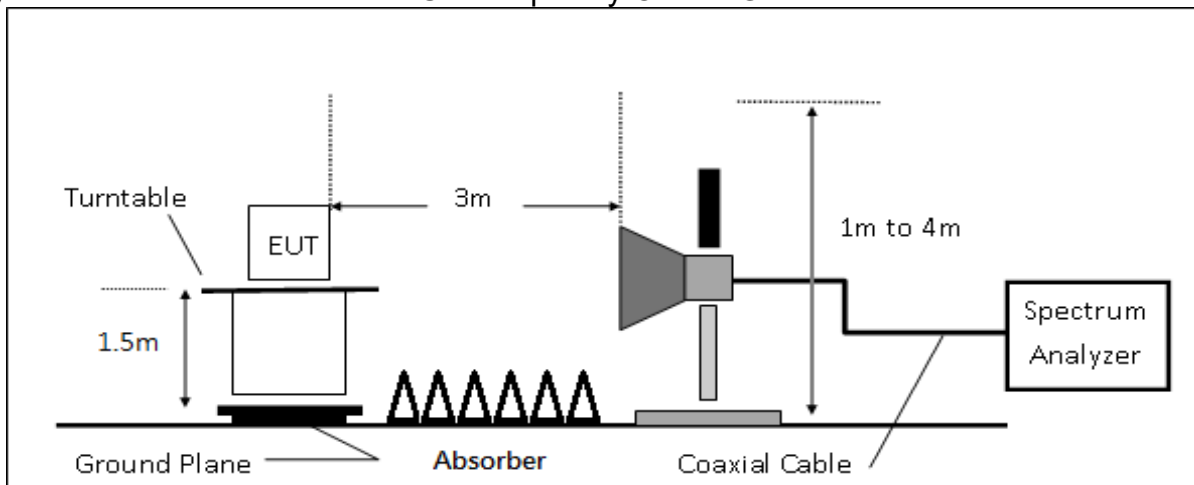
#### (A) Radiated Emission Test Set-UP Frequency Below 30MHz.



#### (B) Radiated Emission Test Set-UP, Frequency form 30MHz to 1000MHz



#### (C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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## 7.4 Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.
6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
9. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
12. Repeat above procedures until all default test channel measured were complete.

## 7.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

**Where** *FS* = Field Strength

*CL* = Cable Attenuation Factor (Cable Loss)

*RA* = Reading Amplitude

*AG* = Amplifier Gain

*AF* = Antenna Factor

*The limit of the emission level is expressed in dBuV/m, which converts  $20 \cdot \log(uV/m)$*

*Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)*

*Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre\_Amplifier Gain(dB)*

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## 7.6 Test Results of Radiated Spurious Emissions form 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

## 7.7 Measurement Result

### Note:

1. *Refer to next page spectrum analyzer data chart and tabular data sheets.*
2. *Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands*

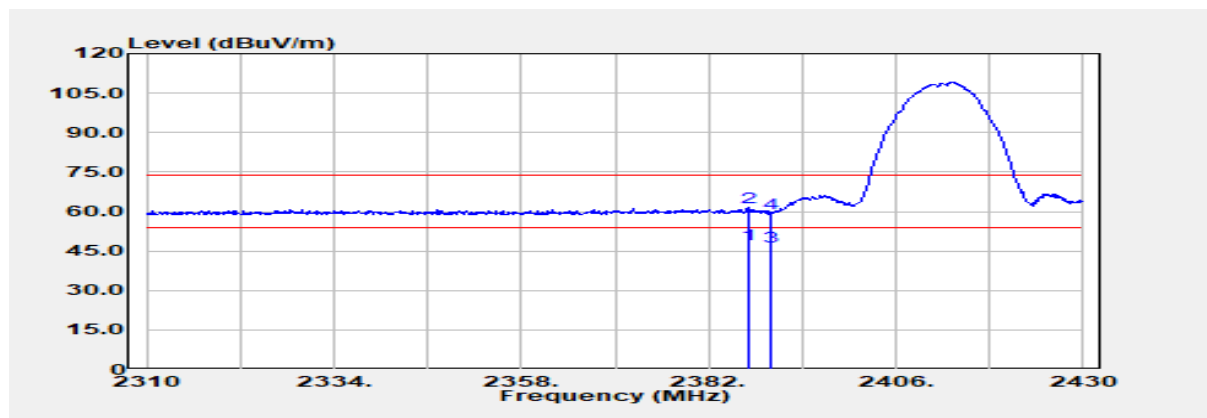
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### 7.7.1 Radiated Band Edge Measurement Result:

|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11b       | Test Date    | :2021-01-12    |
| Test Frequency | :2412 MHz      | Temp./Humi.  | :22.1/65       |
| Test Mode      | :BE CH LOW     | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2387.280 | Average       | 55.42    | -7.91  | 47.51  | 54.00  | -6.49  |
| 2387.280 | Peak          | 69.33    | -7.91  | 61.42  | 74.00  | -12.58 |
| 2390.000 | Average       | 54.62    | -7.99  | 46.63  | 54.00  | -7.37  |
| 2390.000 | Peak          | 67.27    | -7.99  | 59.28  | 74.00  | -14.72 |

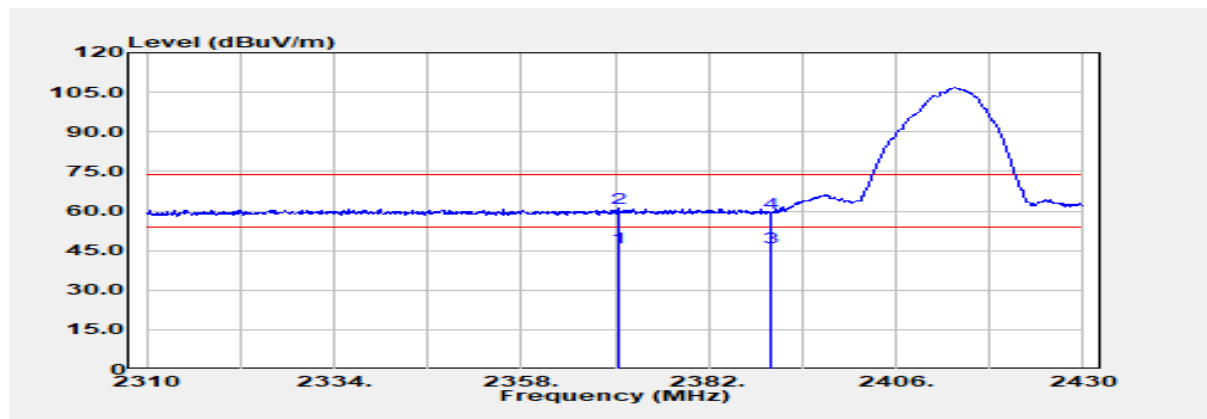
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Report Number :E2/2020/C0072  
Operation Mode :802.11b  
Test Frequency :2412 MHz  
Test Mode :BE CH LOW  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-12  
Temp./Humi. :22.1/65  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2370.600 | Average  | 54.00         | -7.71  | 46.29        | 54.00        | -7.71  |
| 2370.600 | Peak     | 68.88         | -7.71  | 61.17        | 74.00        | -12.83 |
| 2390.000 | Average  | 54.30         | -7.99  | 46.31        | 54.00        | -7.69  |
| 2390.000 | Peak     | 67.20         | -7.99  | 59.21        | 74.00        | -14.79 |

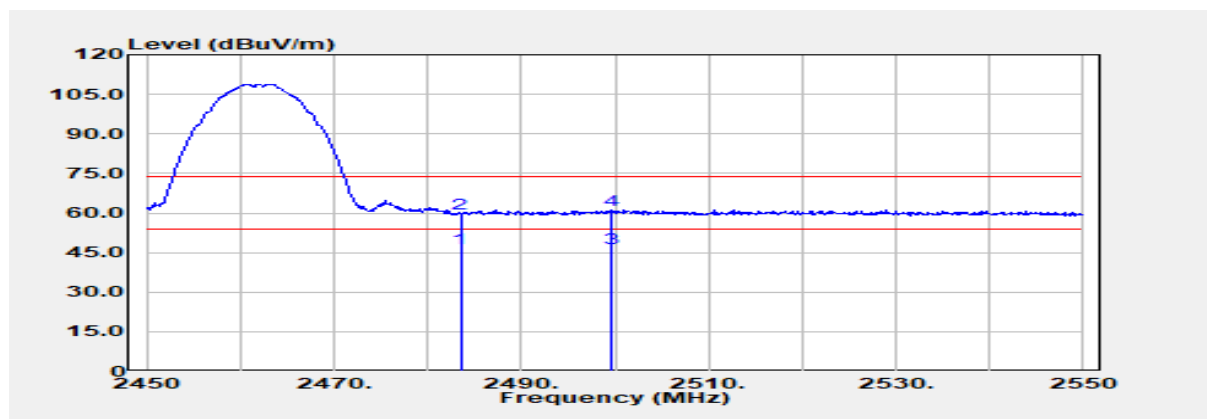
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Report Number :E2/2020/C0072  
Operation Mode :802.11b  
Test Frequency :2462 MHz  
Test Mode :BE CH HIGH  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-12  
Temp./Humi. :22.1/65  
Antenna Pol. :Vertical  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 54.57         | -8.12  | 46.45        | 54.00        | -7.55  |
| 2483.500 | Peak     | 68.09         | -8.12  | 59.97        | 74.00        | -14.03 |
| 2499.600 | Average  | 54.26         | -7.59  | 46.68        | 54.00        | -7.32  |
| 2499.600 | Peak     | 68.83         | -7.59  | 61.24        | 74.00        | -12.76 |

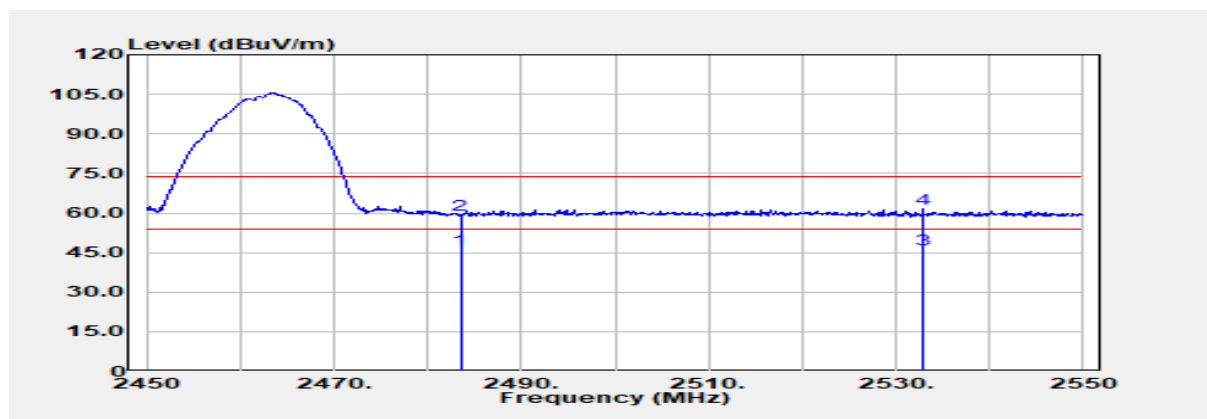
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Report Number :E2/2020/C0072  
 Operation Mode :802.11b  
 Test Frequency :2462 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-12  
 Temp./Humi. :22.1/65  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average       | 54.30    | -8.12  | 46.18  | 54.00  | -7.82  |
| 2483.500 | Peak          | 67.24    | -8.12  | 59.12  | 74.00  | -14.88 |
| 2532.900 | Average       | 54.11    | -7.98  | 46.12  | 54.00  | -7.88  |
| 2532.900 | Peak          | 69.53    | -7.98  | 61.55  | 74.00  | -12.45 |

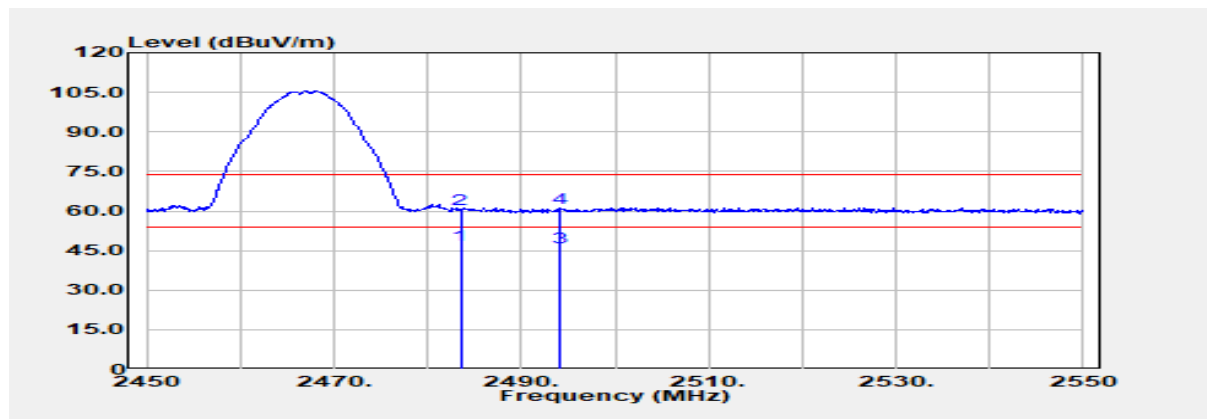
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Report Number :E2/2020/C0072  
 Operation Mode :802.11b  
 Test Frequency :2467 MHz  
 Test Mode :BE CH 12  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-12  
 Temp./Humi. :22.1/65  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 55.08         | -8.12  | 46.96  | 54.00  | -7.04  |
| 2483.500 | Peak     | 68.76         | -8.12  | 60.64  | 74.00  | -13.36 |
| 2494.000 | Average  | 54.17         | -7.92  | 46.26  | 54.00  | -7.74  |
| 2494.000 | Peak     | 69.27         | -7.92  | 61.36  | 74.00  | -12.64 |

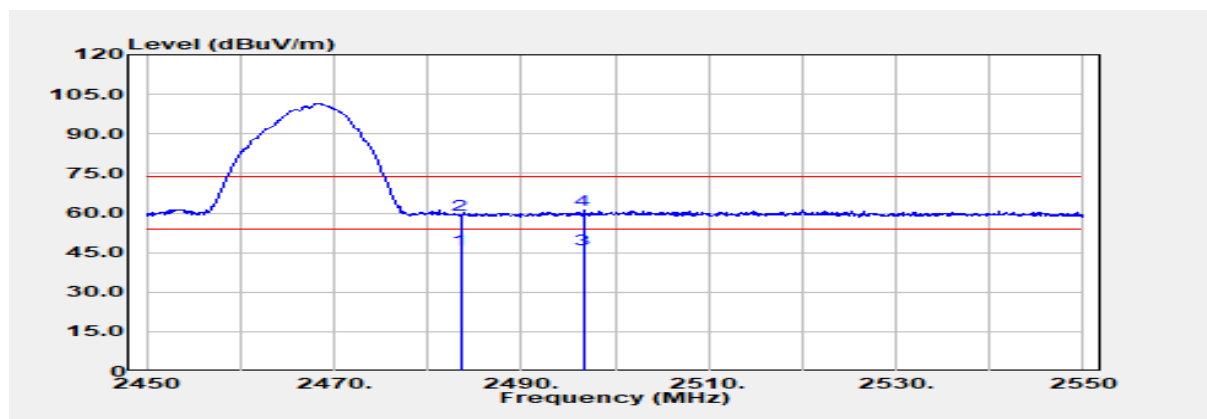
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Report Number :E2/2020/C0072  
Operation Mode :802.11b  
Test Frequency :2467 MHz  
Test Mode :BE CH 12  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-13  
Temp./Humi. : 19.6/62  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



| Freq.    | Detector      | Spectrum   | Factor | Actual       | Limit        | Margin |
|----------|---------------|------------|--------|--------------|--------------|--------|
| Mode     | Reading Level |            |        | FS           | @3m          |        |
| MHz      | PK/QP/AV      | dB $\mu$ V | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average       | 54.22      | -8.12  | 46.10        | 54.00        | -7.90  |
| 2483.500 | Peak          | 67.57      | -8.12  | 59.45        | 74.00        | -14.55 |
| 2496.600 | Average       | 54.12      | -7.76  | 46.36        | 54.00        | -7.64  |
| 2496.600 | Peak          | 68.89      | -7.76  | 61.13        | 74.00        | -12.87 |

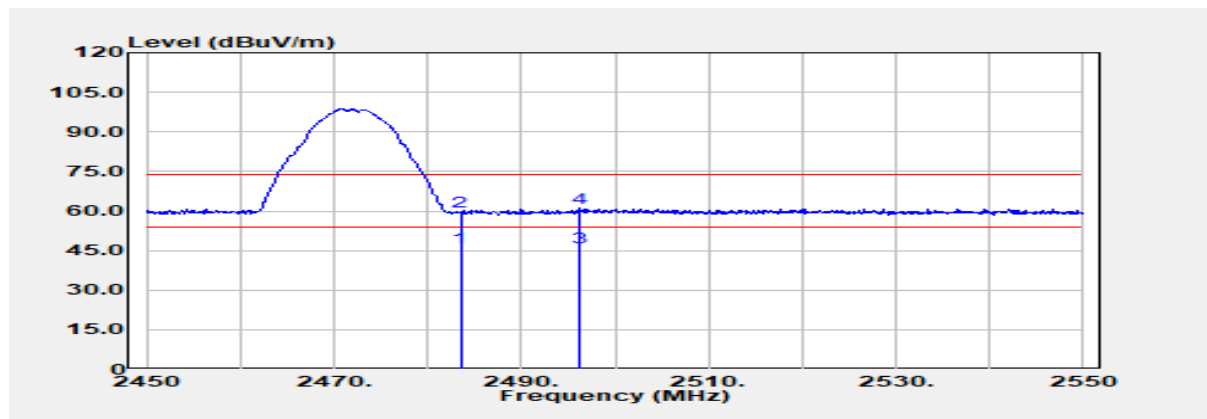
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Report Number :E2/2020/C0072  
Operation Mode :802.11b  
Test Frequency :2472 MHz  
Test Mode :BE CH 13  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-13  
Temp./Humi. : 19.6/62  
Antenna Pol. :Vertical  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 54.42         | -8.12  | 46.30        | 54.00        | -7.70  |
| 2483.500 | Peak     | 67.89         | -8.12  | 59.77        | 74.00        | -14.23 |
| 2496.100 | Average  | 54.11         | -7.79  | 46.32        | 54.00        | -7.68  |
| 2496.100 | Peak     | 68.71         | -7.79  | 60.92        | 74.00        | -13.08 |

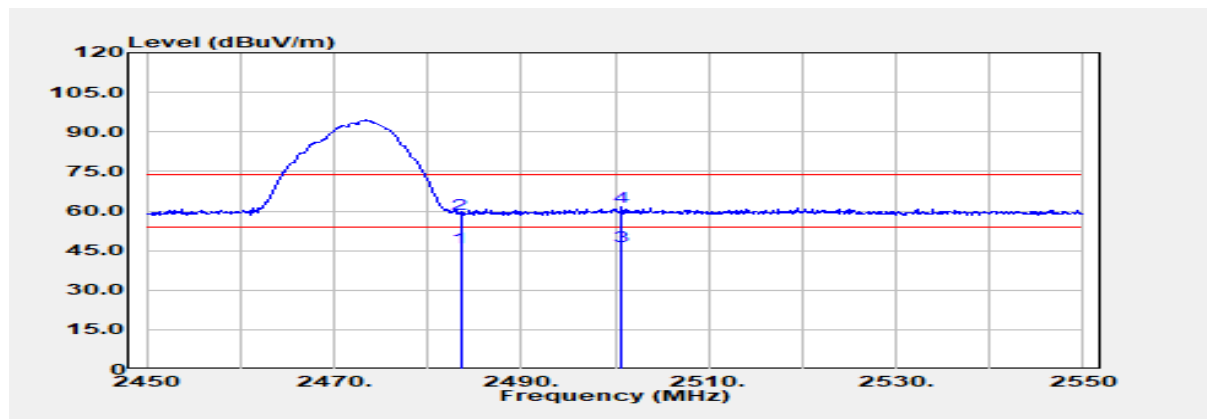
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Report Number :E2/2020/C0072  
 Operation Mode :802.11b  
 Test Frequency :2472 MHz  
 Test Mode :BE CH 13  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-13  
 Temp./Humi. : 19.6/62  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



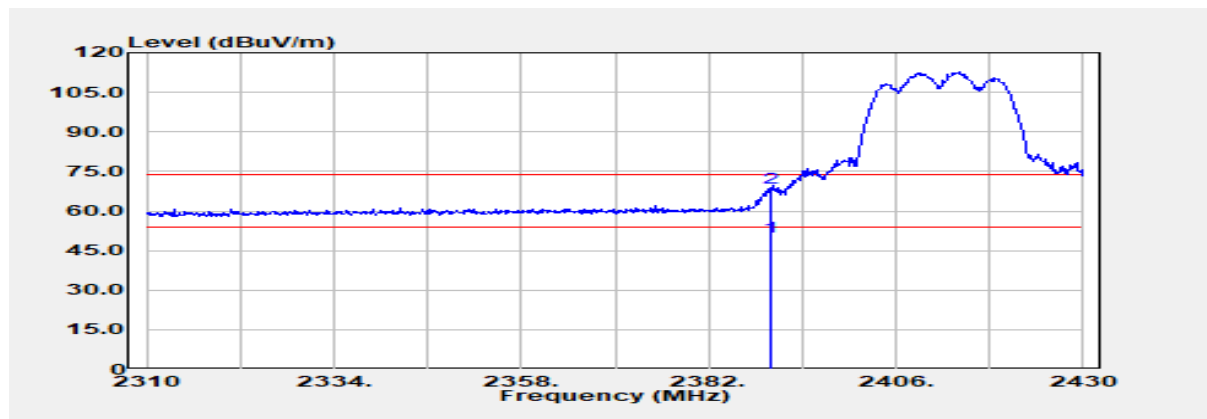
| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 54.22         | -8.12  | 46.10        | 54.00        | -7.90  |
| 2483.500 | Peak     | 67.05         | -8.12  | 58.93        | 74.00        | -15.07 |
| 2500.700 | Average  | 54.09         | -7.59  | 46.50        | 54.00        | -7.50  |
| 2500.700 | Peak     | 69.13         | -7.59  | 61.54        | 74.00        | -12.46 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11g       | Test Date    | :2021-01-20    |
| Test Frequency | :2412 MHz      | Temp./Humi.  | :21.0/62       |
| Test Mode      | :BE CH LOW     | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2390.000 | Average  | 58.42         | -7.99  | 50.43  | 54.00  | -3.57  |
| 2390.000 | Peak     | 76.95         | -7.99  | 68.97  | 74.00  | -5.03  |

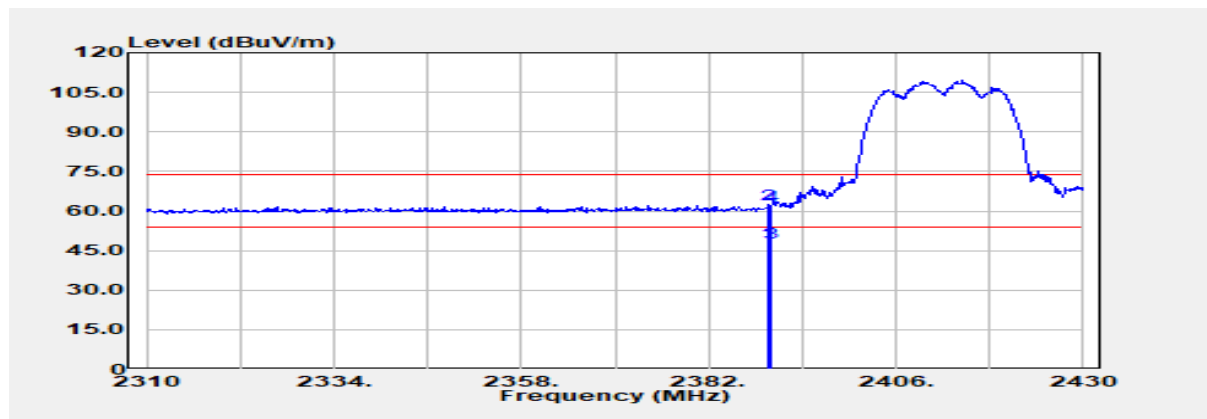
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Report Number :E2/2020/C0072  
 Operation Mode :802.11g  
 Test Frequency :2412 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-21  
 Temp./Humi. :20.8/63  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2389.680 | Average  | 56.02         | -7.98  | 48.04        | 54.00        | -5.96  |
| 2389.680 | Peak     | 70.48         | -7.98  | 62.50        | 74.00        | -11.50 |
| 2390.000 | Average  | 55.95         | -7.99  | 47.96        | 54.00        | -6.04  |
| 2390.000 | Peak     | 69.82         | -7.99  | 61.83        | 74.00        | -12.17 |

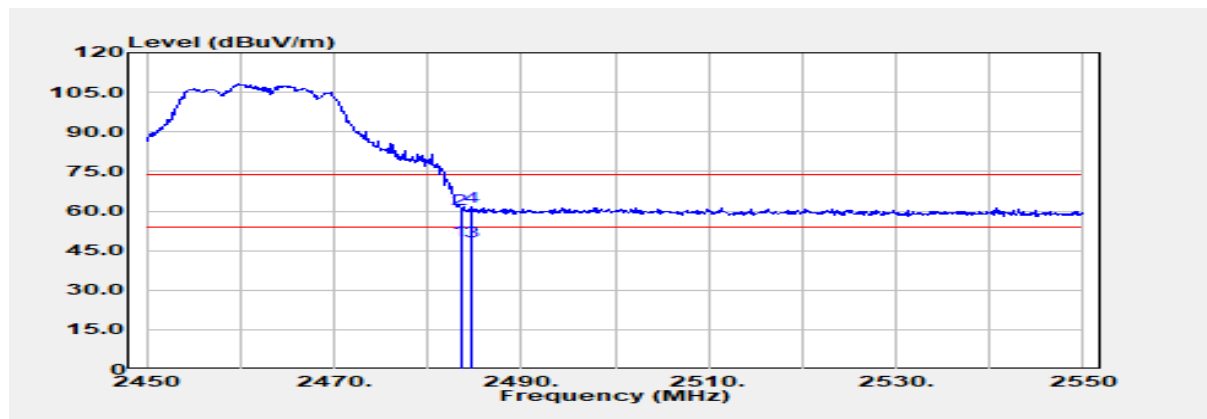
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Report Number :E2/2020/C0072  
Operation Mode :802.11g  
Test Frequency :2462 MHz  
Test Mode :BE CH HIGH  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-07  
Temp./Humi. :20.2/68  
Antenna Pol. :Vertical  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 56.89         | -8.12  | 48.77        | 54.00        | -5.23  |
| 2483.500 | Peak     | 68.99         | -8.12  | 60.87        | 74.00        | -13.13 |
| 2484.800 | Average  | 56.70         | -8.13  | 48.57        | 54.00        | -5.43  |
| 2484.800 | Peak     | 69.77         | -8.13  | 61.65        | 74.00        | -12.35 |

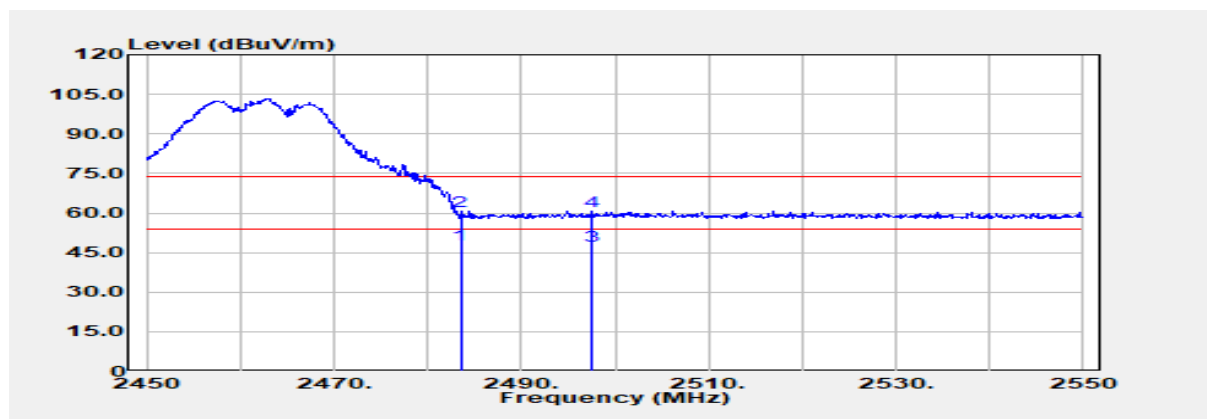
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Report Number :E2/2020/C0072  
Operation Mode :802.11g  
Test Frequency :2462 MHz  
Test Mode :BE CH HIGH  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-07  
Temp./Humi. :20.2/68  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



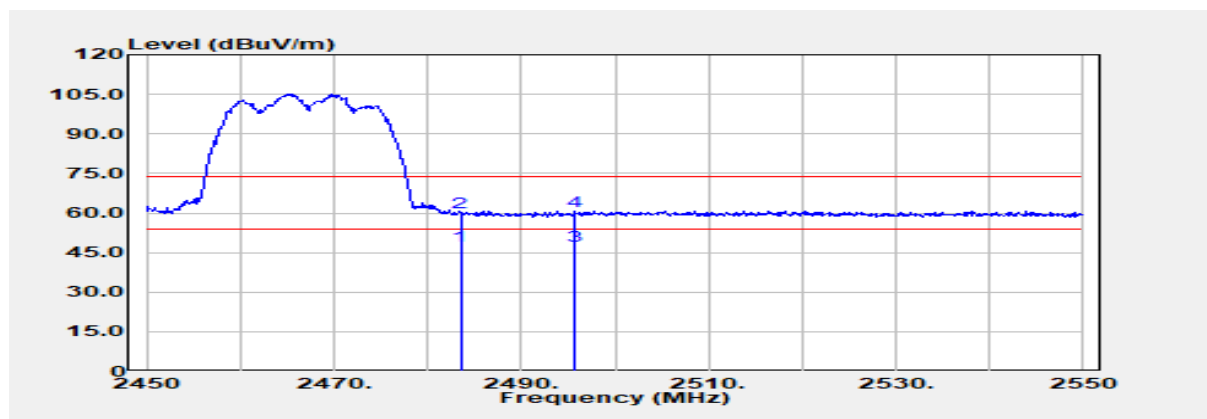
| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 56.05         | -8.12  | 47.93        | 54.00        | -6.07  |
| 2483.500 | Peak     | 68.60         | -8.12  | 60.48        | 74.00        | -13.52 |
| 2497.500 | Average  | 55.41         | -7.71  | 47.70        | 54.00        | -6.30  |
| 2497.500 | Peak     | 68.56         | -7.71  | 60.85        | 74.00        | -13.15 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11g       | Test Date    | :2021-01-12    |
| Test Frequency | :2467 MHz      | Temp./Humi.  | :22.1/65       |
| Test Mode      | :BE CH 12      | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 55.46         | -8.12  | 47.34  | 54.00  | -6.66  |
| 2483.500 | Peak     | 68.21         | -8.12  | 60.09  | 74.00  | -13.91 |
| 2495.800 | Average  | 55.27         | -7.81  | 47.46  | 54.00  | -6.54  |
| 2495.800 | Peak     | 68.67         | -7.81  | 60.86  | 74.00  | -13.14 |

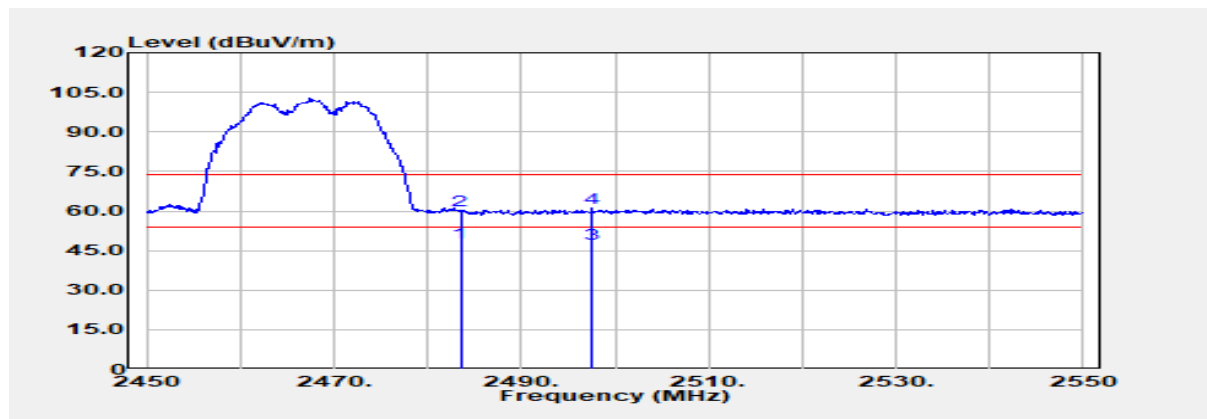
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Report Number :E2/2020/C0072  
 Operation Mode :802.11g  
 Test Frequency :2467 MHz  
 Test Mode :BE CH 12  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-12  
 Temp./Humi. :22.1/65  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 56.00         | -8.12  | 47.88  | 54.00  | -6.12  |
| 2483.500 | Peak     | 68.20         | -8.12  | 60.08  | 74.00  | -13.92 |
| 2497.500 | Average  | 55.20         | -7.71  | 47.49  | 54.00  | -6.51  |
| 2497.500 | Peak     | 68.71         | -7.71  | 61.00  | 74.00  | -13.00 |

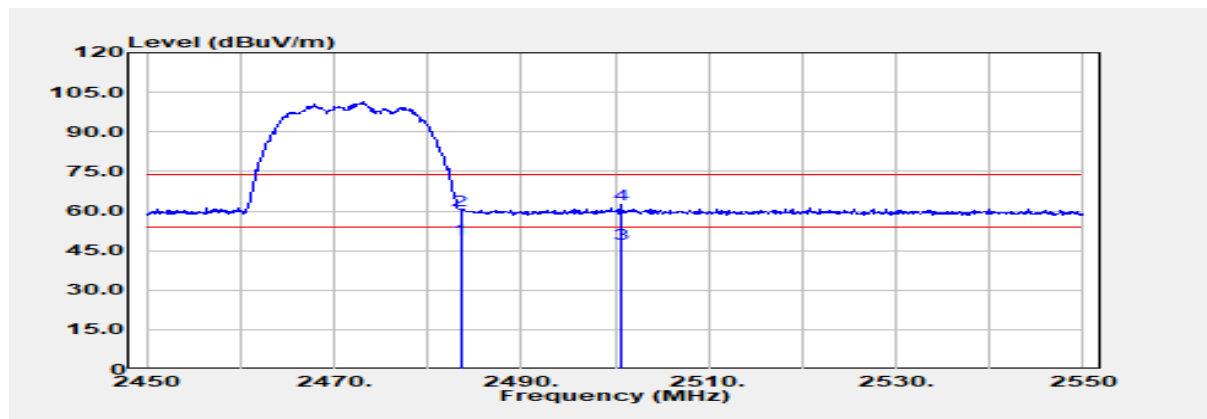
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Report Number :E2/2020/C0072  
 Operation Mode :802.11g  
 Test Frequency :2472 MHz  
 Test Mode :BE CH 13  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-12  
 Temp./Humi. :22.1/65  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 57.37         | -8.12  | 49.25  | 54.00  | -4.75  |
| 2483.500 | Peak     | 68.48         | -8.12  | 60.36  | 74.00  | -13.64 |
| 2500.600 | Average  | 55.11         | -7.59  | 47.52  | 54.00  | -6.48  |
| 2500.600 | Peak     | 69.88         | -7.59  | 62.29  | 74.00  | -11.71 |

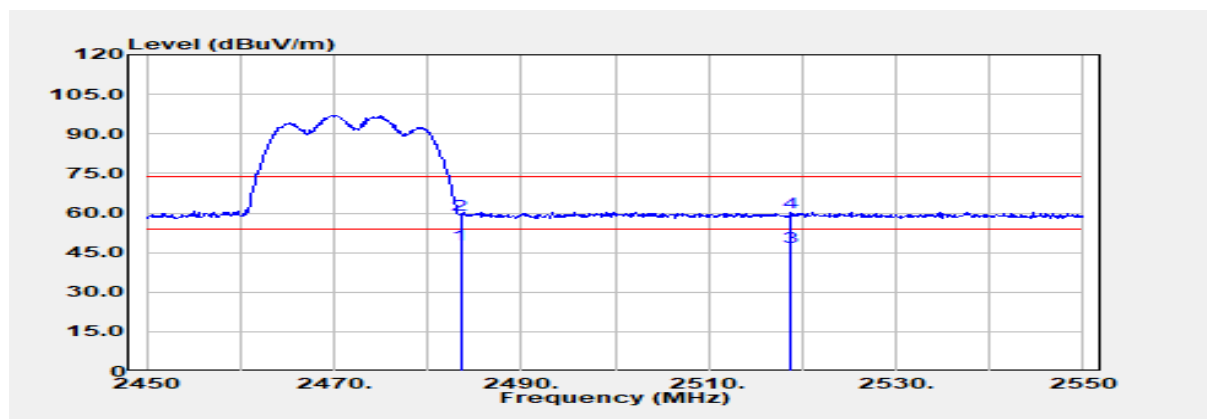
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Report Number :E2/2020/C0072  
 Operation Mode :802.11g  
 Test Frequency :2472 MHz  
 Test Mode :BE CH 13  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-12  
 Temp./Humi. :22.1/65  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average       | 56.04    | -8.12  | 47.92  | 54.00  | -6.08  |
| 2483.500 | Peak          | 67.32    | -8.12  | 59.20  | 74.00  | -14.80 |
| 2518.800 | Average       | 54.97    | -7.73  | 47.24  | 54.00  | -6.76  |
| 2518.800 | Peak          | 68.15    | -7.73  | 60.43  | 74.00  | -13.57 |

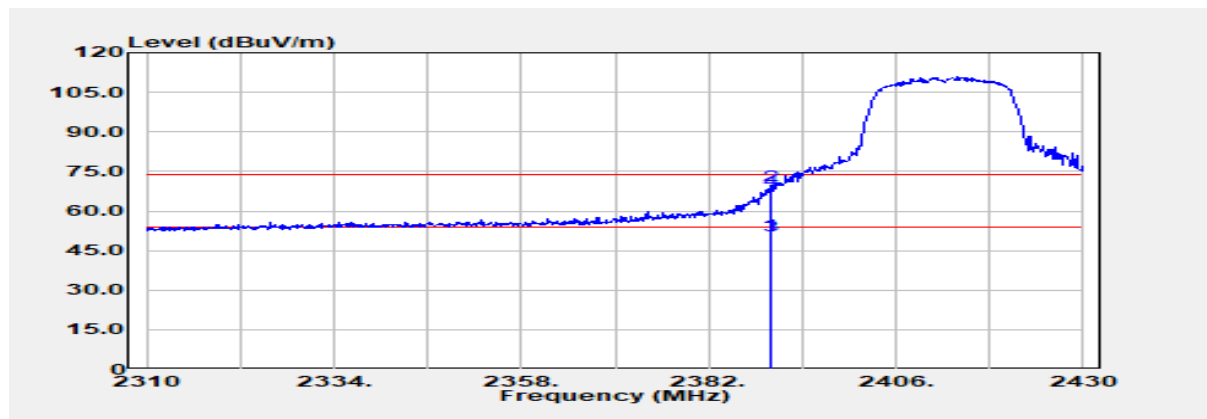
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac20  
Test Frequency :2412 MHz  
Test Mode :BE CH LOW  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-05  
Temp./Humi. :19.9/68  
Antenna Pol. :Vertical  
Engineer :Andy Wang



| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2389.920 | Average       | 59.20    | -7.98  | 51.22  | 54.00  | -2.78  |
| 2389.920 | Peak          | 77.75    | -7.98  | 69.76  | 74.00  | -4.24  |
| 2390.000 | Average       | 58.49    | -7.99  | 50.50  | 54.00  | -3.50  |
| 2390.000 | Peak          | 76.10    | -7.99  | 68.11  | 74.00  | -5.89  |

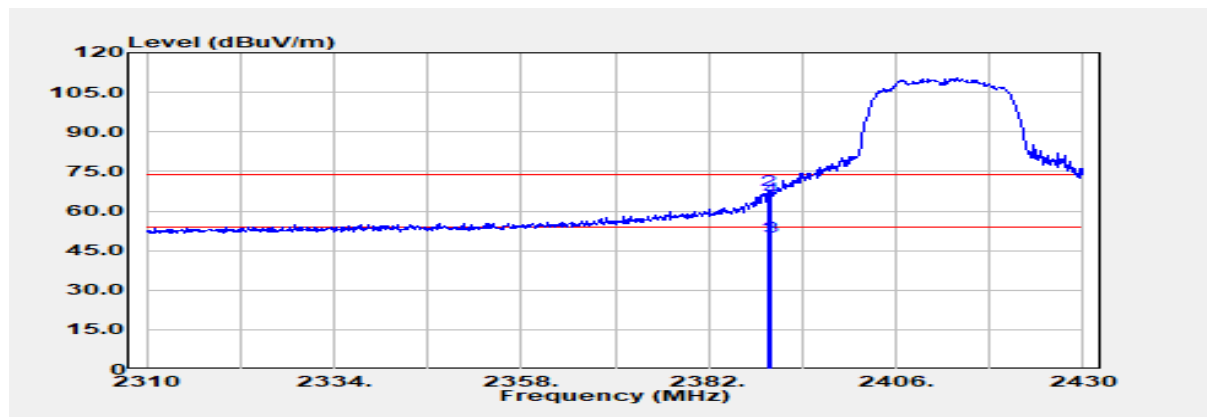
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac20  
Test Frequency :2412 MHz  
Test Mode :BE CH LOW  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-05  
Temp./Humi. :19.9/68  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2389.680 | Average       | 58.40    | -7.98  | 50.42  | 54.00  | -3.58  |
| 2389.680 | Peak          | 75.99    | -7.98  | 68.01  | 74.00  | -5.99  |
| 2390.000 | Average       | 58.17    | -7.99  | 50.18  | 54.00  | -3.82  |
| 2390.000 | Peak          | 73.19    | -7.99  | 65.21  | 74.00  | -8.79  |

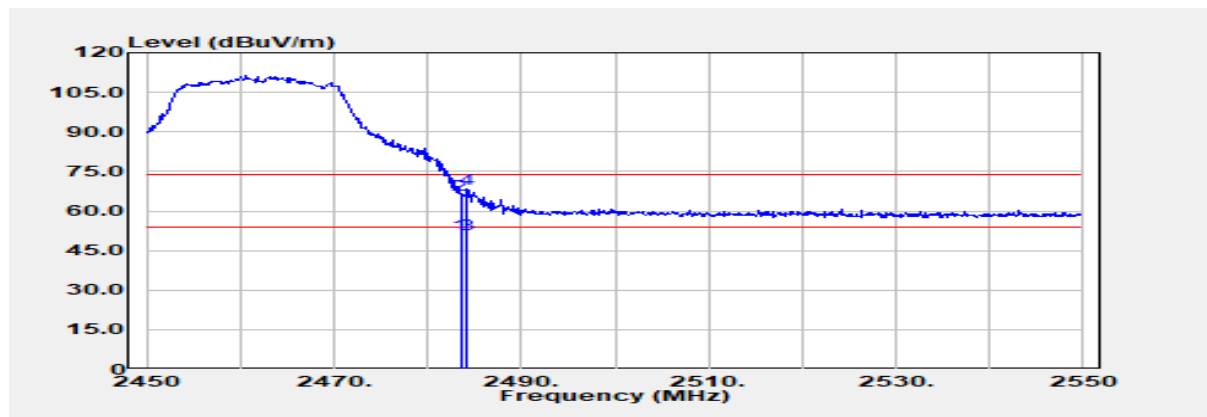
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ac20  
 Test Frequency :2462 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-05  
 Temp./Humi. :19.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 59.50         | -8.12  | 51.38        | 54.00        | -2.62  |
| 2483.500 | Peak     | 74.16         | -8.12  | 66.04        | 74.00        | -7.96  |
| 2484.200 | Average  | 59.30         | -8.12  | 51.18        | 54.00        | -2.82  |
| 2484.200 | Peak     | 76.63         | -8.12  | 68.51        | 74.00        | -5.49  |

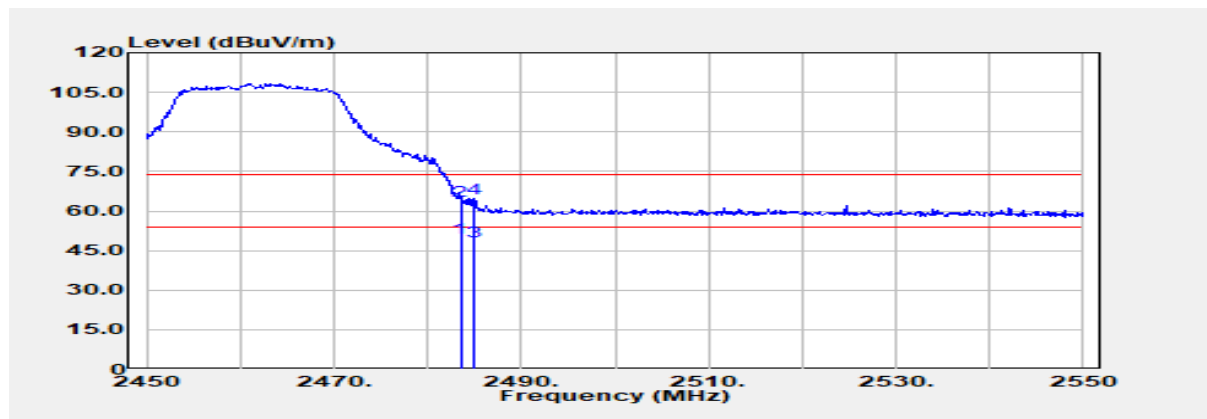
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac20  
Test Frequency :2462 MHz  
Test Mode :BE CH HIGH  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-05  
Temp./Humi. :19.9/68  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 57.80         | -8.12  | 49.68        | 54.00        | -4.32  |
| 2483.500 | Peak     | 71.96         | -8.12  | 63.84        | 74.00        | -10.16 |
| 2484.900 | Average  | 56.70         | -8.13  | 48.57        | 54.00        | -5.43  |
| 2484.900 | Peak     | 73.09         | -8.13  | 64.96        | 74.00        | -9.04  |

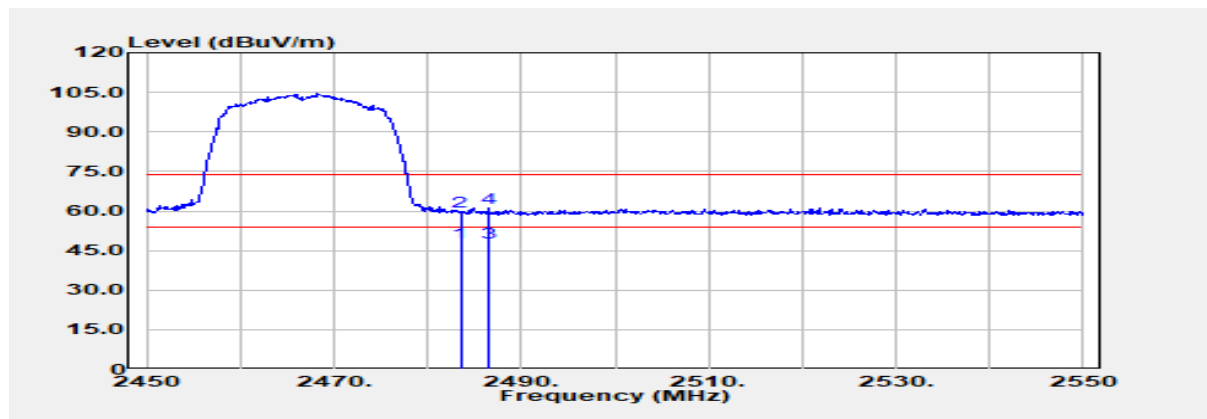
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ac20  
 Test Frequency :2467 MHz  
 Test Mode :BE CH 12  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-12  
 Temp./Humi. :22.1/65  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 56.34         | -8.12  | 48.22  | 54.00  | -5.78  |
| 2483.500 | Peak     | 67.89         | -8.12  | 59.77  | 74.00  | -14.23 |
| 2486.400 | Average  | 55.97         | -8.13  | 47.84  | 54.00  | -6.16  |
| 2486.400 | Peak     | 69.39         | -8.13  | 61.25  | 74.00  | -12.75 |

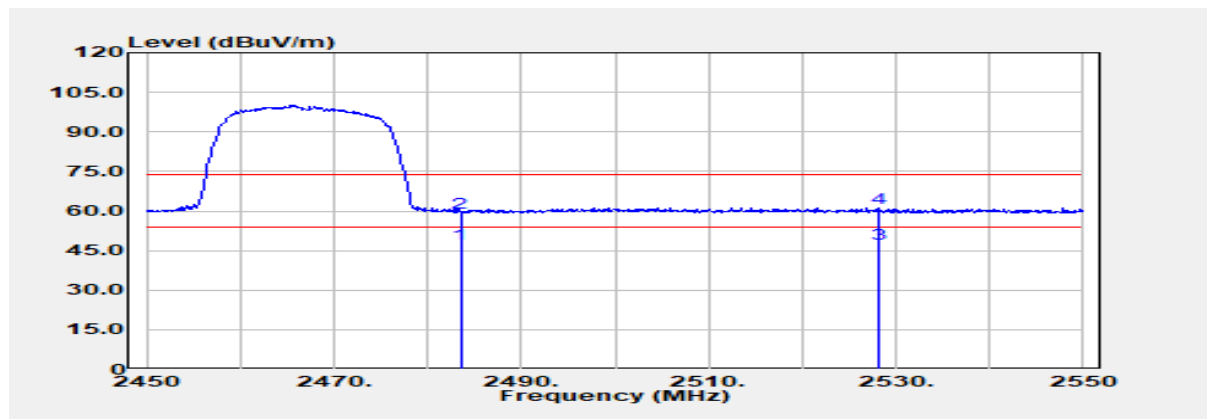
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ac20  
 Test Frequency :2467 MHz  
 Test Mode :BE CH 12  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-12  
 Temp./Humi. :22.1/65  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average       | 55.54    | -8.12  | 47.42  | 54.00  | -6.58  |
| 2483.500 | Peak          | 67.52    | -8.12  | 59.41  | 74.00  | -14.59 |
| 2528.100 | Average       | 55.33    | -7.97  | 47.37  | 54.00  | -6.63  |
| 2528.100 | Peak          | 69.20    | -7.97  | 61.24  | 74.00  | -12.76 |

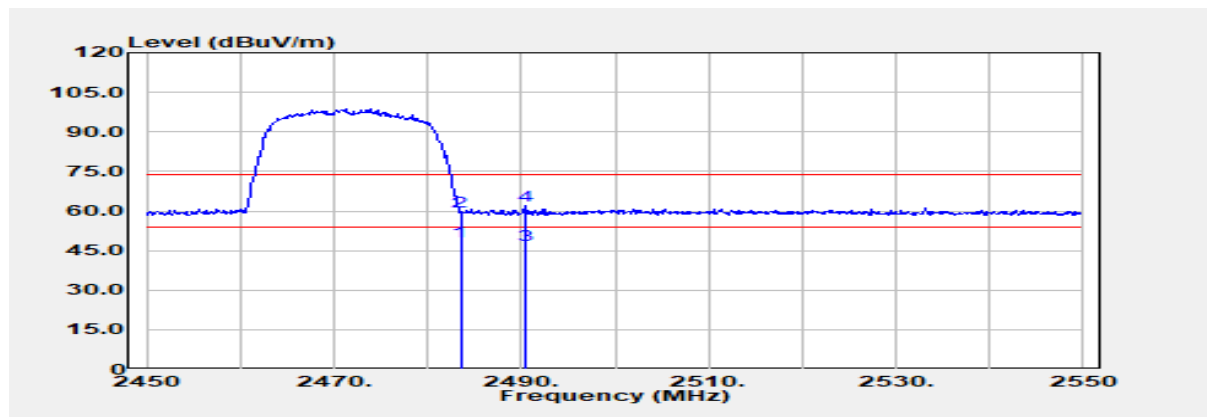
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac20  
Test Frequency :2472 MHz  
Test Mode :BE CH 13  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-12  
Temp./Humi. :22.1/65  
Antenna Pol. :Vertical  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 56.65         | -8.12  | 48.53  | 54.00  | -5.47  |
| 2483.500 | Peak     | 67.75         | -8.12  | 59.63  | 74.00  | -14.37 |
| 2490.400 | Average  | 55.10         | -8.13  | 46.97  | 54.00  | -7.03  |
| 2490.400 | Peak     | 70.16         | -8.13  | 62.04  | 74.00  | -11.96 |

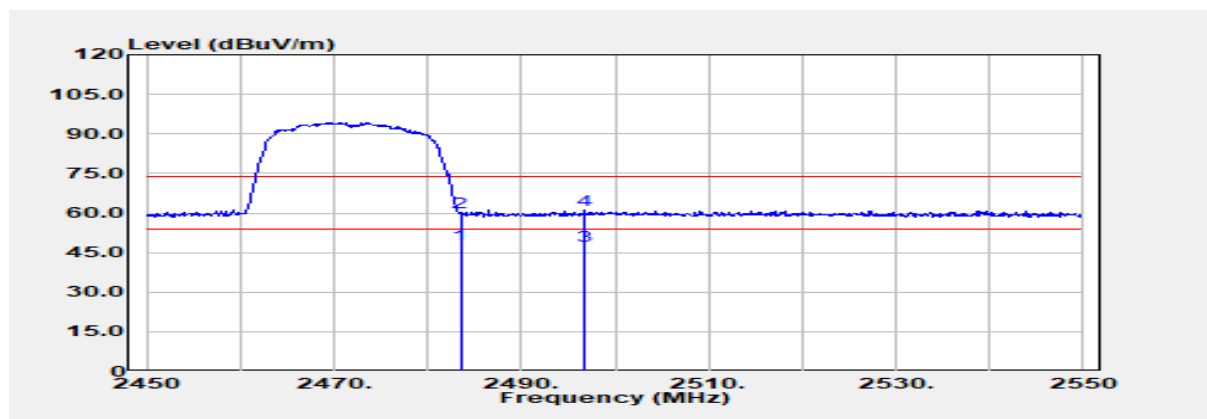
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac20  
Test Frequency :2472 MHz  
Test Mode :BE CH 13  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-12  
Temp./Humi. :22.1/65  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 56.26         | -8.12  | 48.14        | 54.00        | -5.86  |
| 2483.500 | Peak     | 68.15         | -8.12  | 60.03        | 74.00        | -13.97 |
| 2496.700 | Average  | 55.47         | -7.76  | 47.71        | 54.00        | -6.29  |
| 2496.700 | Peak     | 68.84         | -7.76  | 61.09        | 74.00        | -12.91 |

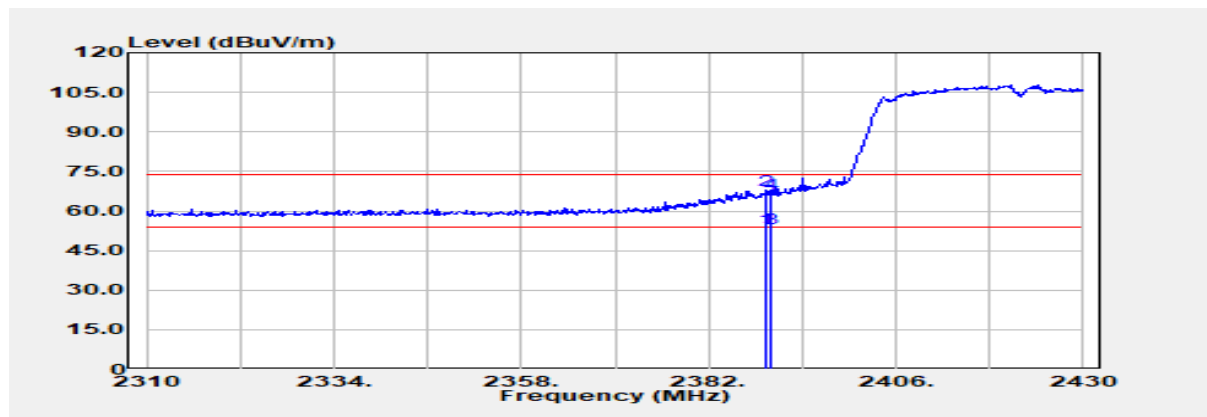
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ac40  
 Test Frequency :2422 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-20  
 Temp./Humi. :21.0/62  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2389.320 | Average       | 61.28    | -7.97  | 53.32  | 54.00  | -0.68  |
| 2389.320 | Peak          | 76.08    | -7.97  | 68.11  | 74.00  | -5.89  |
| 2390.000 | Average       | 61.64    | -7.99  | 53.65  | 54.00  | -0.35  |
| 2390.000 | Peak          | 74.75    | -7.99  | 66.77  | 74.00  | -7.23  |

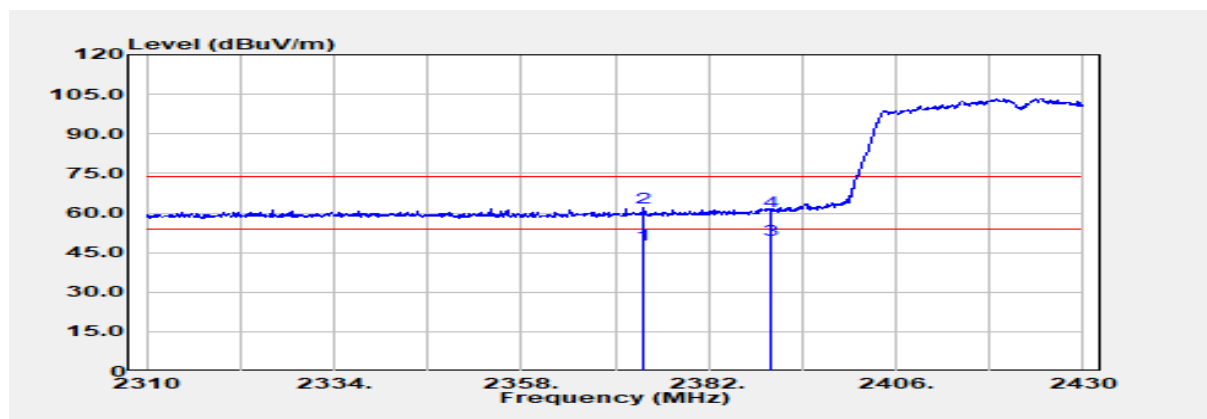
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ac40  
 Test Frequency :2422 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-21  
 Temp./Humi. :20.8/63  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2373.600 | Average  | 55.86         | -7.70  | 48.16  | 54.00  | -5.84  |
| 2373.600 | Peak     | 69.75         | -7.70  | 62.05  | 74.00  | -11.95 |
| 2390.000 | Average  | 57.57         | -7.99  | 49.59  | 54.00  | -4.41  |
| 2390.000 | Peak     | 68.69         | -7.99  | 60.70  | 74.00  | -13.30 |

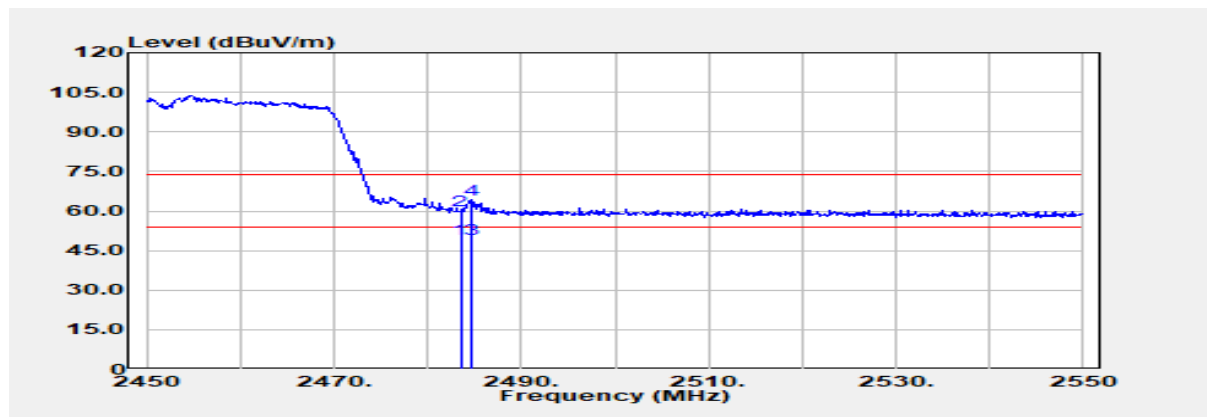
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac40  
Test Frequency :2452 MHz  
Test Mode :BE CH HIGH  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-05  
Temp./Humi. :19.9/68  
Antenna Pol. :Vertical  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 57.45         | -8.12  | 49.33        | 54.00        | -4.67  |
| 2483.500 | Peak     | 68.42         | -8.12  | 60.31        | 74.00        | -13.69 |
| 2484.700 | Average  | 57.34         | -8.13  | 49.21        | 54.00        | -4.79  |
| 2484.700 | Peak     | 72.26         | -8.13  | 64.14        | 74.00        | -9.86  |

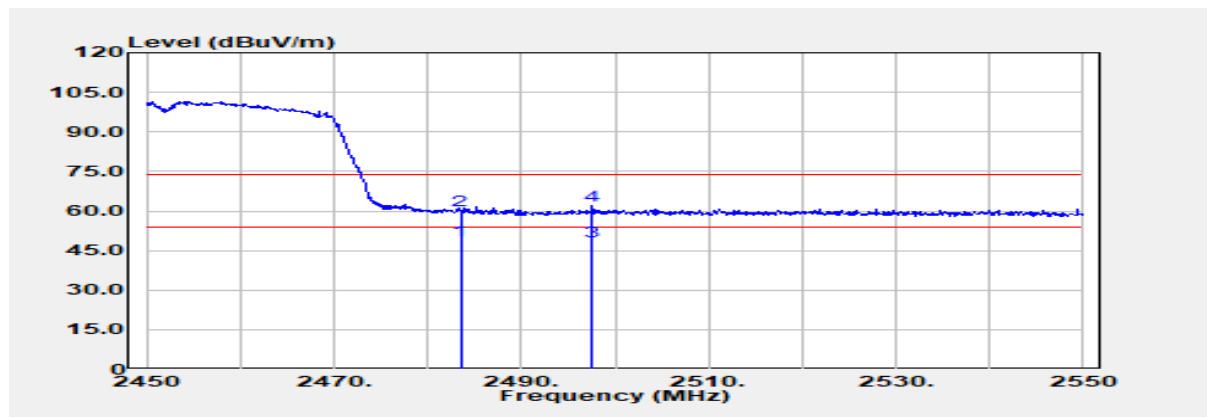
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ac40  
 Test Frequency :2452 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-05  
 Temp./Humi. :19.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 56.90         | -8.12  | 48.78        | 54.00        | -5.22  |
| 2483.500 | Peak     | 68.50         | -8.12  | 60.38        | 74.00        | -13.62 |
| 2497.600 | Average  | 56.14         | -7.70  | 48.44        | 54.00        | -5.56  |
| 2497.600 | Peak     | 69.72         | -7.70  | 62.02        | 74.00        | -11.98 |

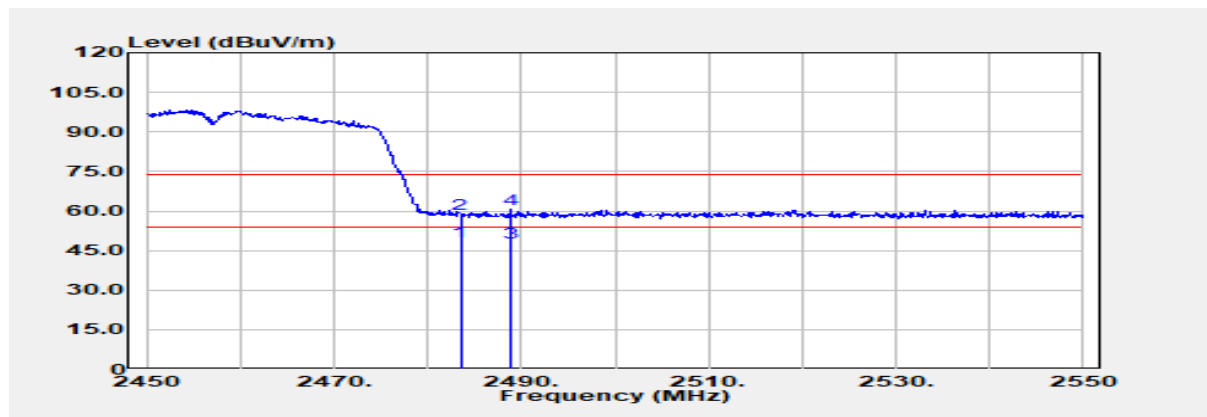
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac40  
Test Frequency :2457 MHz  
Test Mode :BE CH 10  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-12  
Temp./Humi. :22.1/65  
Antenna Pol. :Vertical  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 56.44         | -8.12  | 48.32  | 54.00  | -5.68  |
| 2483.500 | Peak     | 67.15         | -8.12  | 59.03  | 74.00  | -14.97 |
| 2488.800 | Average  | 56.16         | -8.14  | 48.01  | 54.00  | -5.99  |
| 2488.800 | Peak     | 68.60         | -8.14  | 60.46  | 74.00  | -13.54 |

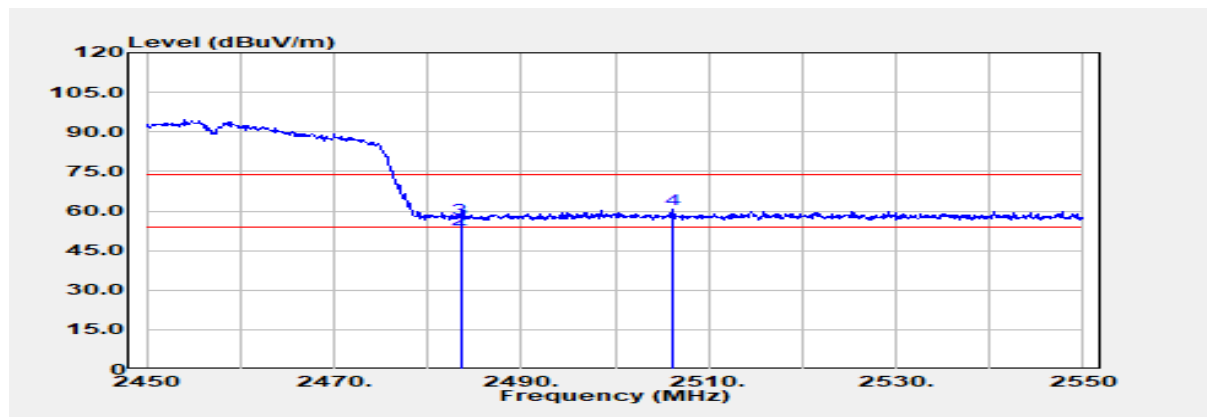
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac40  
Test Frequency :2457 MHz  
Test Mode :BE CH 10  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-12  
Temp./Humi. :22.1/65  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 60.90         | -8.12  | 52.78        | 54.00        | -1.22  |
| 2483.500 | Average  | 60.88         | -8.12  | 52.76        | 54.00        | -1.24  |
| 2483.500 | Peak     | 65.17         | -8.12  | 57.05        | 74.00        | -16.95 |
| 2506.100 | Peak     | 68.32         | -7.81  | 60.51        | 74.00        | -13.49 |

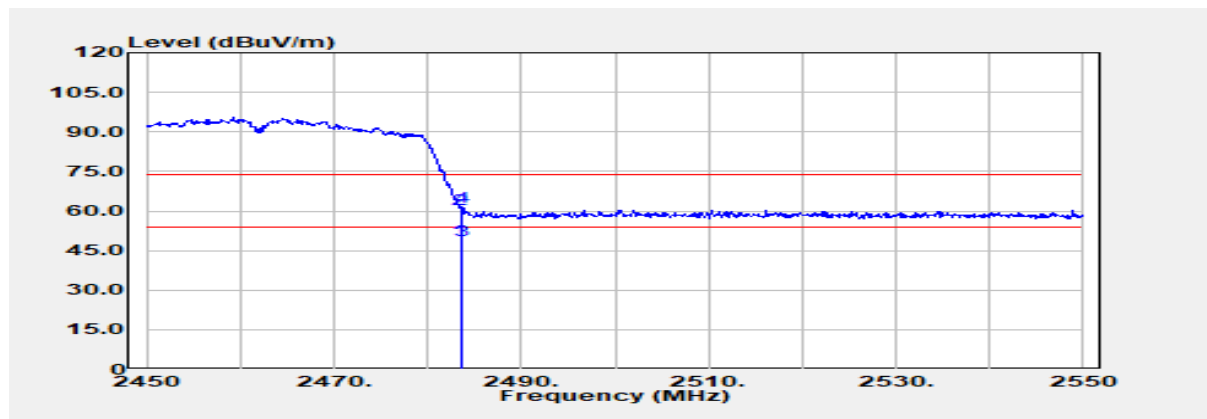
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac40  
Test Frequency :2462 MHz  
Test Mode :BE CH 11  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-12  
Temp./Humi. :22.1/65  
Antenna Pol. :Vertical  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 57.11         | -8.12  | 48.99        | 54.00        | -5.01  |
| 2483.500 | Peak     | 68.98         | -8.12  | 60.86        | 74.00        | -13.14 |
| 2483.700 | Average  | 57.02         | -8.12  | 48.90        | 54.00        | -5.10  |
| 2483.700 | Peak     | 69.78         | -8.12  | 61.66        | 74.00        | -12.34 |

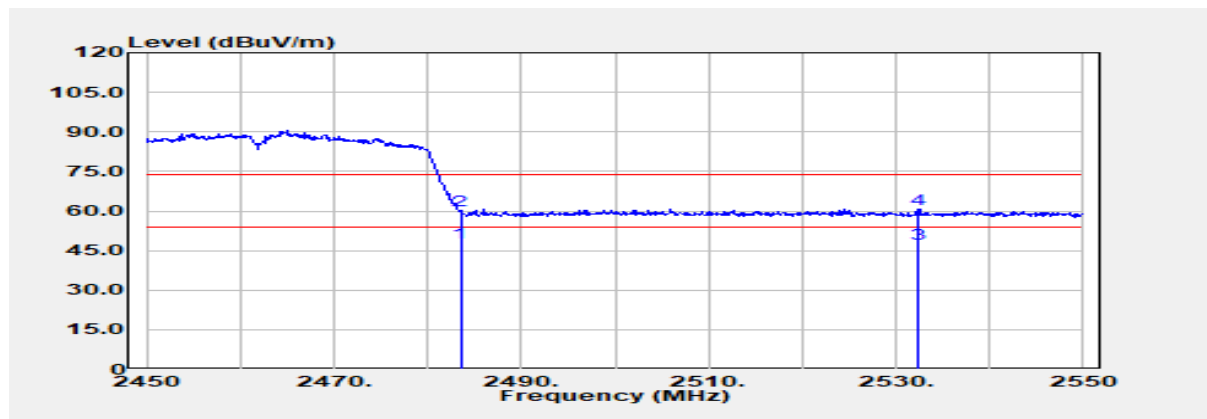
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Report Number :E2/2020/C0072  
Operation Mode :802.11ac40  
Test Frequency :2462 MHz  
Test Mode :BE CH 11  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-12  
Temp./Humi. :22.1/65  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



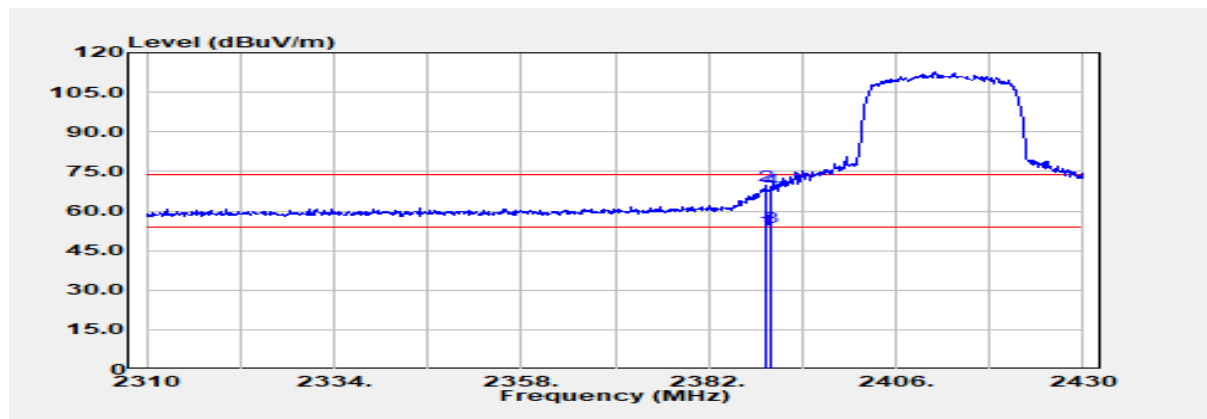
| Freq.    | Detector      | Spectrum   | Factor | Actual       | Limit        | Margin |
|----------|---------------|------------|--------|--------------|--------------|--------|
| Mode     | Reading Level |            |        | FS           | @3m          |        |
| MHz      | PK/QP/AV      | dB $\mu$ V | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average       | 56.26      | -8.12  | 48.14        | 54.00        | -5.86  |
| 2483.500 | Peak          | 68.43      | -8.12  | 60.31        | 74.00        | -13.69 |
| 2532.300 | Average       | 55.68      | -7.99  | 47.68        | 54.00        | -6.32  |
| 2532.300 | Peak          | 68.80      | -7.99  | 60.81        | 74.00        | -13.19 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11ax20    | Test Date    | :2021-01-20    |
| Test Frequency | :2412 MHz      | Temp./Humi.  | :21.0/62       |
| Test Mode      | :BE CH LOW     | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2389.320 | Average  | 61.16         | -7.97  | 53.20  | 54.00  | -0.80  |
| 2389.320 | Peak     | 77.66         | -7.97  | 69.69  | 74.00  | -4.31  |
| 2390.000 | Average  | 61.81         | -7.99  | 53.82  | 54.00  | -0.18  |
| 2390.000 | Peak     | 76.58         | -7.99  | 68.60  | 74.00  | -5.40  |

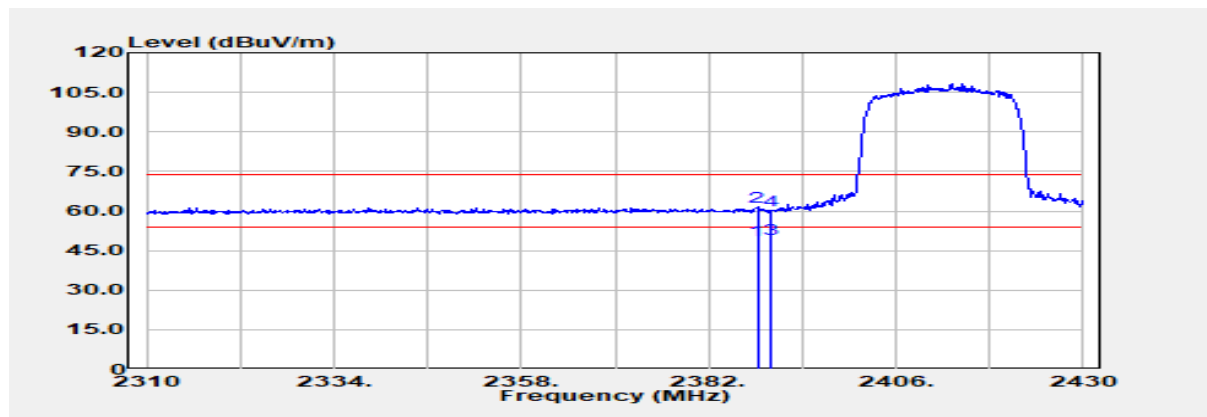
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ax20  
 Test Frequency :2412 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-21  
 Temp./Humi. : 20.8/63  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2388.240 | Average       | 56.92    | -7.93  | 48.98  | 54.00  | -5.02  |
| 2388.240 | Peak          | 69.66    | -7.93  | 61.73  | 74.00  | -12.27 |
| 2390.000 | Average       | 57.25    | -7.99  | 49.27  | 54.00  | -4.73  |
| 2390.000 | Peak          | 68.15    | -7.99  | 60.16  | 74.00  | -13.84 |

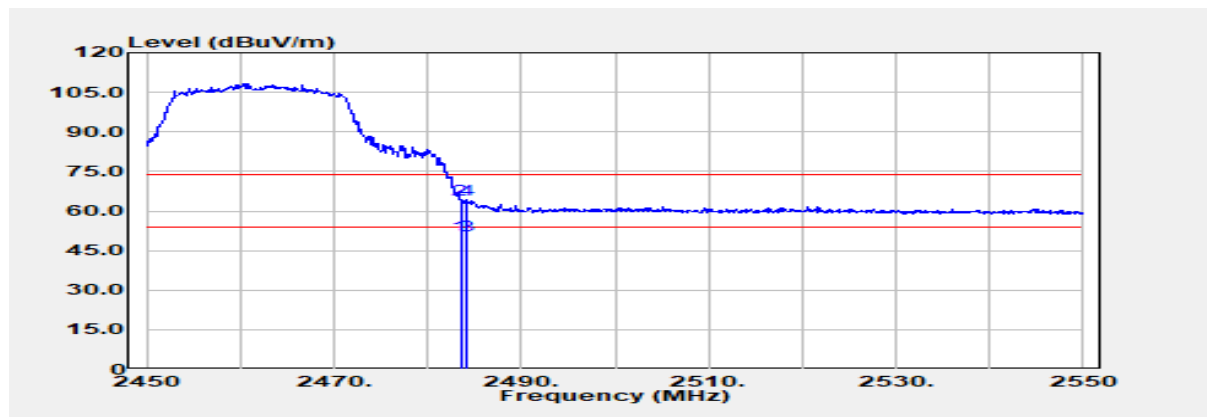
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ax20  
 Test Frequency :2462 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-14  
 Temp./Humi. :21.3/59  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 58.80         | -8.12  | 50.68  | 54.00  | -3.32  |
| 2483.500 | Peak     | 72.26         | -8.12  | 64.14  | 74.00  | -9.86  |
| 2484.200 | Average  | 58.64         | -8.12  | 50.52  | 54.00  | -3.48  |
| 2484.200 | Peak     | 72.45         | -8.12  | 64.33  | 74.00  | -9.67  |

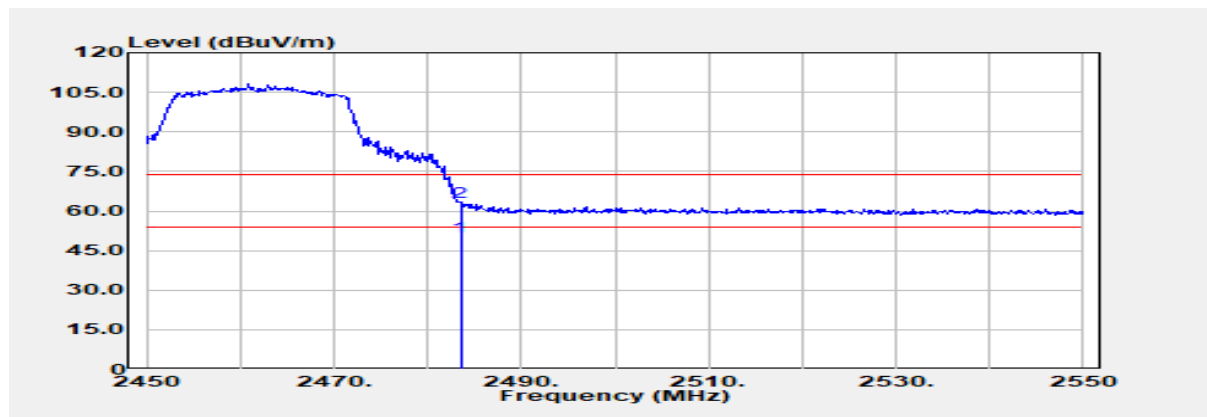
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ax20  
 Test Frequency :2462 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-14  
 Temp./Humi. :21.3/59  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



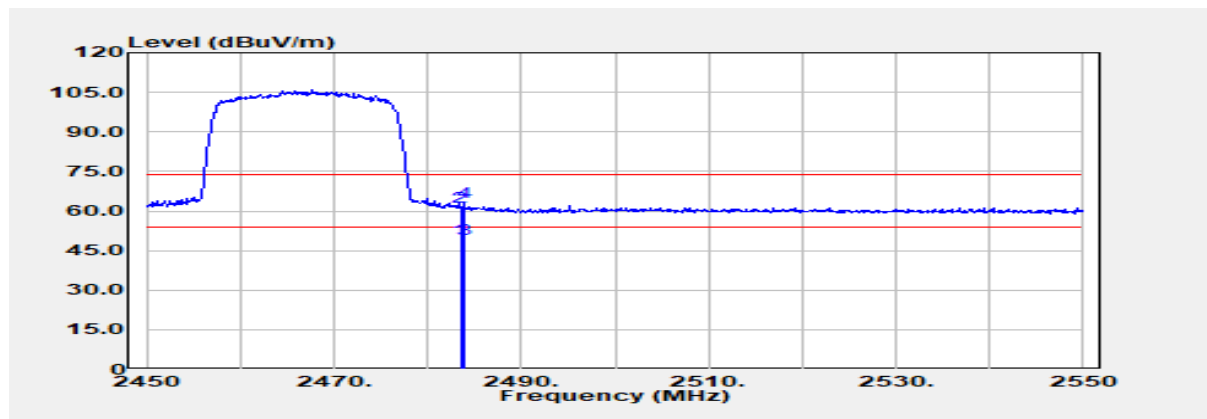
| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 58.41         | -8.12  | 50.29        | 54.00        | -3.71  |
| 2483.500 | Peak     | 71.58         | -8.12  | 63.46        | 74.00        | -10.54 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11ax20    | Test Date    | :2021-01-20    |
| Test Frequency | :2467 MHz      | Temp./Humi.  | :21.0/62       |
| Test Mode      | :BE CH 12      | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector      | Spectrum   | Factor | Actual       | Limit        | Margin |
|----------|---------------|------------|--------|--------------|--------------|--------|
| Mode     | Reading Level |            |        | FS           | @3m          |        |
| MHz      | PK/QP/AV      | dB $\mu$ V | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average       | 57.70      | -8.12  | 49.58        | 54.00        | -4.42  |
| 2483.500 | Peak          | 69.62      | -8.12  | 61.50        | 74.00        | -12.50 |
| 2483.900 | Average       | 57.57      | -8.12  | 49.45        | 54.00        | -4.55  |
| 2483.900 | Peak          | 71.66      | -8.12  | 63.54        | 74.00        | -10.46 |

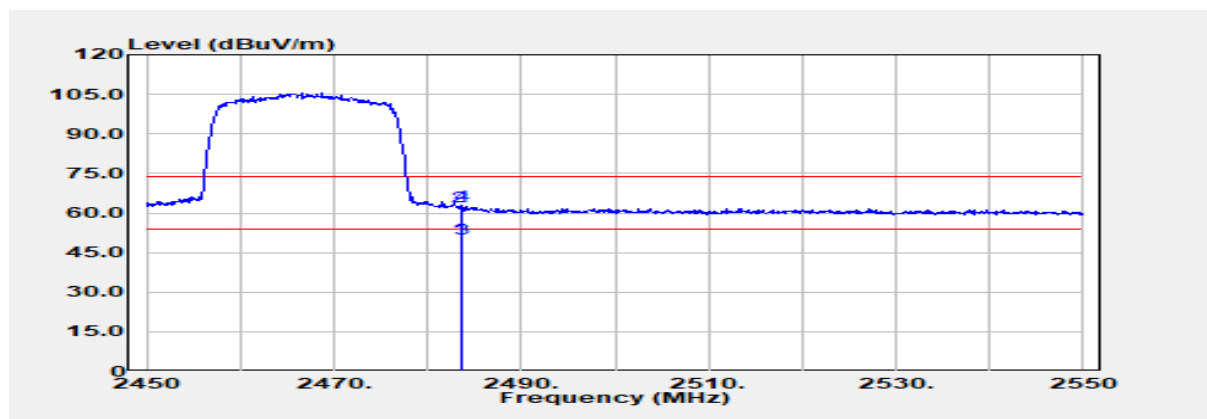
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Report Number :E2/2020/C0072  
Operation Mode :802.11ax20  
Test Frequency :2467 MHz  
Test Mode :BE CH 12  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-21  
Temp./Humi. : 20.8/63  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



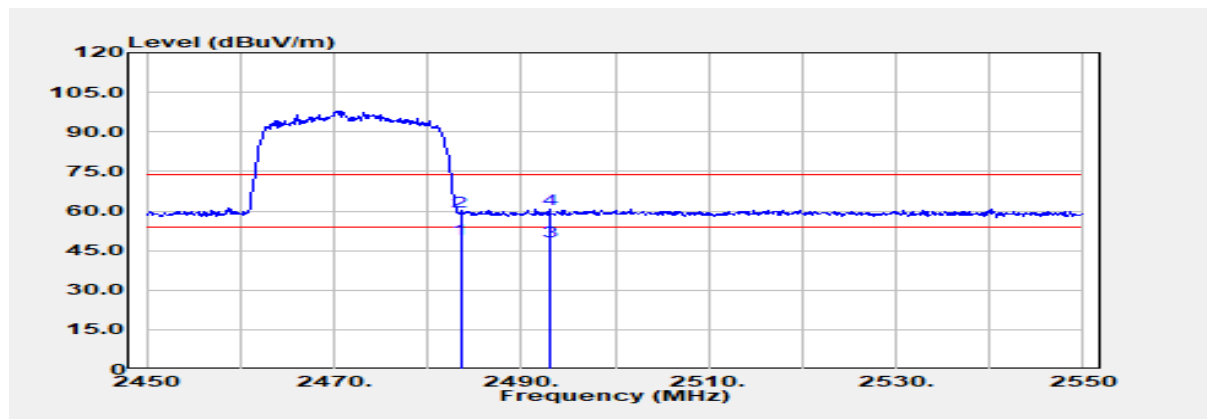
| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 58.50         | -8.12  | 50.38        | 54.00        | -3.62  |
| 2483.500 | Peak     | 70.41         | -8.12  | 62.29        | 74.00        | -11.71 |
| 2483.700 | Average  | 58.30         | -8.12  | 50.18        | 54.00        | -3.82  |
| 2483.700 | Peak     | 70.93         | -8.12  | 62.81        | 74.00        | -11.19 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11ax20    | Test Date    | :2021-01-14    |
| Test Frequency | :2472 MHz      | Temp./Humi.  | :21.3/59       |
| Test Mode      | :BE CH 13      | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 57.33         | -8.12  | 49.21        | 54.00        | -4.79  |
| 2483.500 | Peak     | 67.85         | -8.12  | 59.73        | 74.00        | -14.27 |
| 2493.000 | Average  | 56.38         | -7.97  | 48.40        | 54.00        | -5.60  |
| 2493.000 | Peak     | 68.75         | -7.97  | 60.77        | 74.00        | -13.23 |

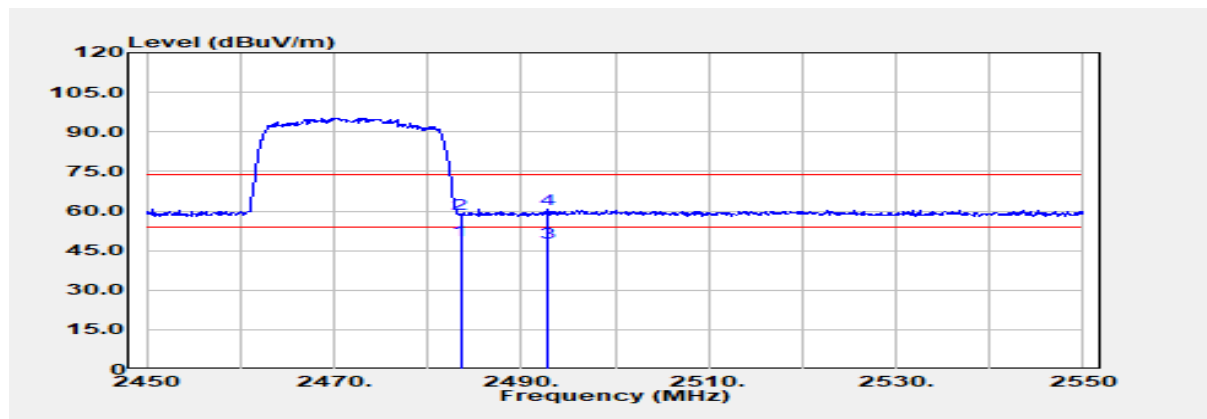
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Report Number :E2/2020/C0072  
Operation Mode :802.11ax20  
Test Frequency :2472 MHz  
Test Mode :BE CH 13  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-14  
Temp./Humi. :21.3/59  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 57.10         | -8.12  | 48.98  | 54.00  | -5.02  |
| 2483.500 | Peak     | 67.02         | -8.12  | 58.90  | 74.00  | -15.10 |
| 2492.700 | Average  | 55.84         | -7.99  | 47.85  | 54.00  | -6.15  |
| 2492.700 | Peak     | 68.79         | -7.99  | 60.80  | 74.00  | -13.20 |

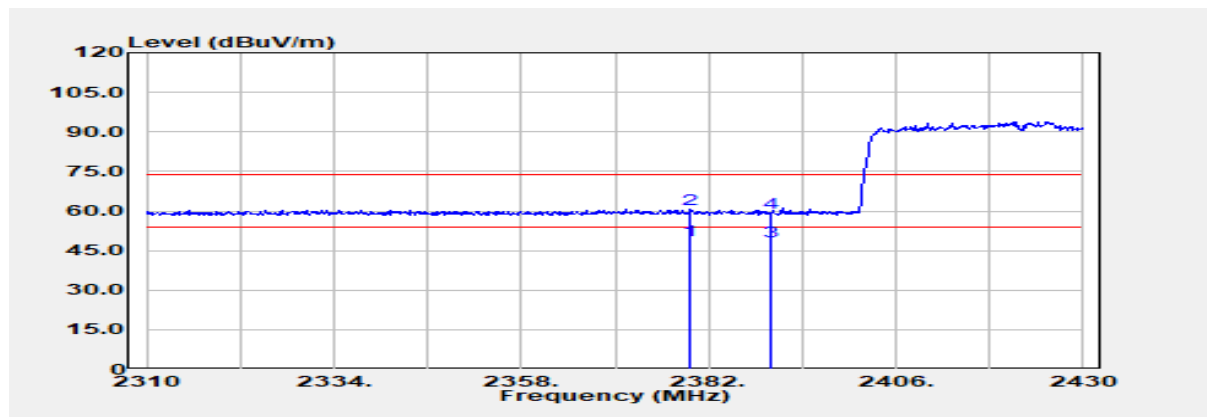
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Report Number :E2/2020/C0072  
Operation Mode :802.11ax40  
Test Frequency :2422 MHz  
Test Mode :BE CH LOW  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-14  
Temp./Humi. :21.3/59  
Antenna Pol. :Vertical  
Engineer :Andy Wang



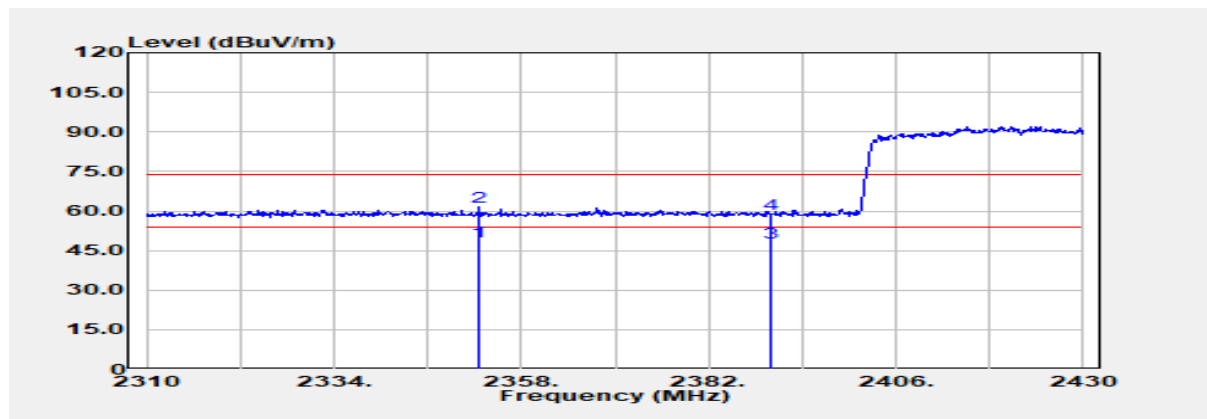
| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2379.720 | Average       | 56.42    | -7.69  | 48.74  | 54.00  | -5.26  |
| 2379.720 | Peak          | 68.39    | -7.69  | 60.70  | 74.00  | -13.30 |
| 2390.000 | Average       | 56.64    | -7.99  | 48.65  | 54.00  | -5.35  |
| 2390.000 | Peak          | 67.12    | -7.99  | 59.13  | 74.00  | -14.87 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11ax40    | Test Date    | :2021-01-14    |
| Test Frequency | :2422 MHz      | Temp./Humi.  | :21.3/59       |
| Test Mode      | :BE CH LOW     | Antenna Pol. | :Horizontal    |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



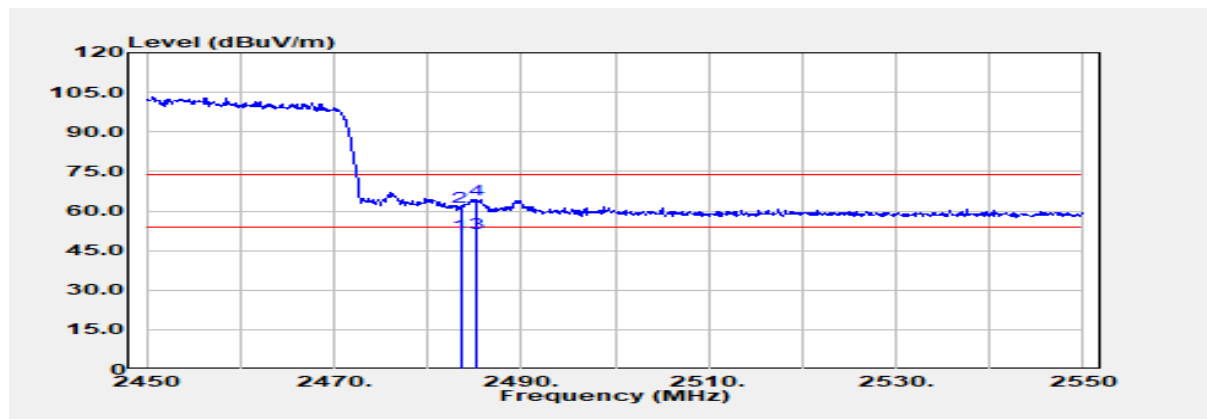
| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 2352.600 | Average       | 56.15    | -7.87  | 48.28  | 54.00  | -5.72  |
| 2352.600 | Peak          | 69.32    | -7.87  | 61.45  | 74.00  | -12.55 |
| 2390.000 | Average       | 56.00    | -7.99  | 48.02  | 54.00  | -5.98  |
| 2390.000 | Peak          | 66.94    | -7.99  | 58.95  | 74.00  | -15.05 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11ax40    | Test Date    | :2021-01-14    |
| Test Frequency | :2452 MHz      | Temp./Humi.  | :21.3/59       |
| Test Mode      | :BE CH HIGH    | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 59.19         | -8.12  | 51.07        | 54.00        | -2.93  |
| 2483.500 | Peak     | 69.75         | -8.12  | 61.63        | 74.00        | -12.37 |
| 2485.300 | Average  | 59.64         | -8.13  | 51.51        | 54.00        | -2.49  |
| 2485.300 | Peak     | 72.47         | -8.13  | 64.34        | 74.00        | -9.66  |

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Report Number :E2/2020/C0072

Operation Mode :802.11ax40

Test Frequency :2452 MHz

Test Mode :BE CH HIGH

EUT Pol :NB Plan

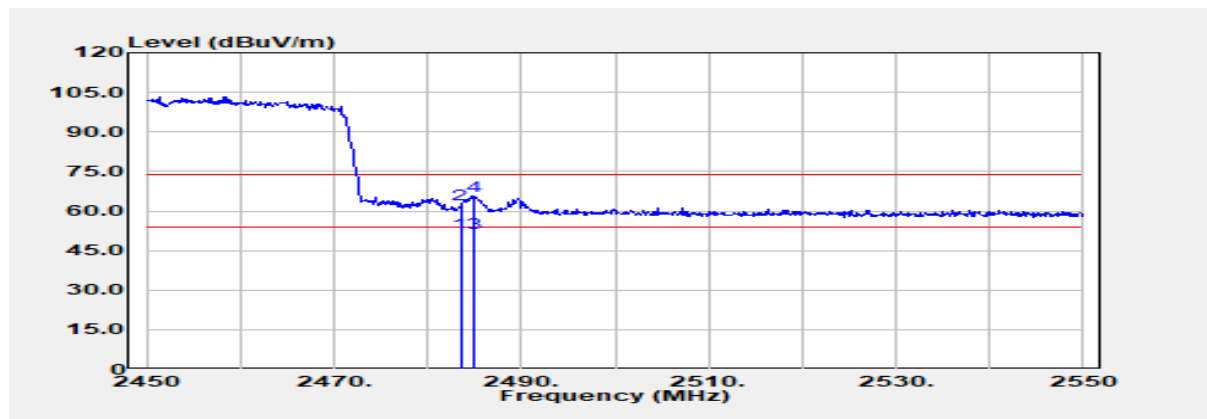
Test Site :966 Chamber D

Test Date :2021-01-14

Temp./Humi. :21.3/59

Antenna Pol. :Horizontal

Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 59.67         | -8.12  | 51.55  | 54.00  | -2.45  |
| 2483.500 | Peak     | 70.48         | -8.12  | 62.36  | 74.00  | -11.64 |
| 2485.000 | Average  | 59.87         | -8.13  | 51.75  | 54.00  | -2.25  |
| 2485.000 | Peak     | 74.01         | -8.13  | 65.88  | 74.00  | -8.12  |

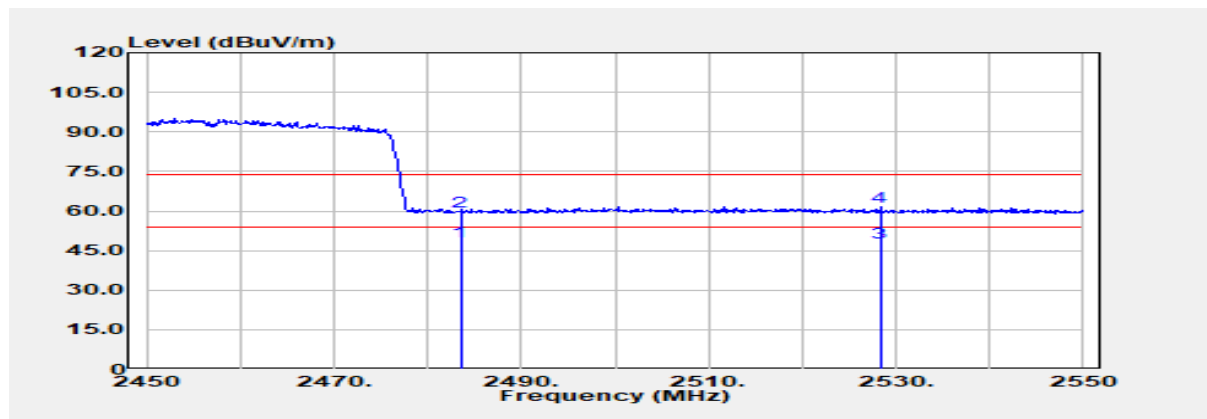
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ax40  
 Test Frequency :2457 MHz  
 Test Mode :BE CH 10  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-20  
 Temp./Humi. :21.0/62  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 2483.500 | Average  | 56.51         | -8.12  | 48.39        | 54.00        | -5.61  |
| 2483.500 | Peak     | 67.95         | -8.12  | 59.84        | 74.00        | -14.16 |
| 2528.300 | Average  | 56.09         | -7.97  | 48.12        | 54.00        | -5.88  |
| 2528.300 | Peak     | 69.53         | -7.97  | 61.55        | 74.00        | -12.45 |

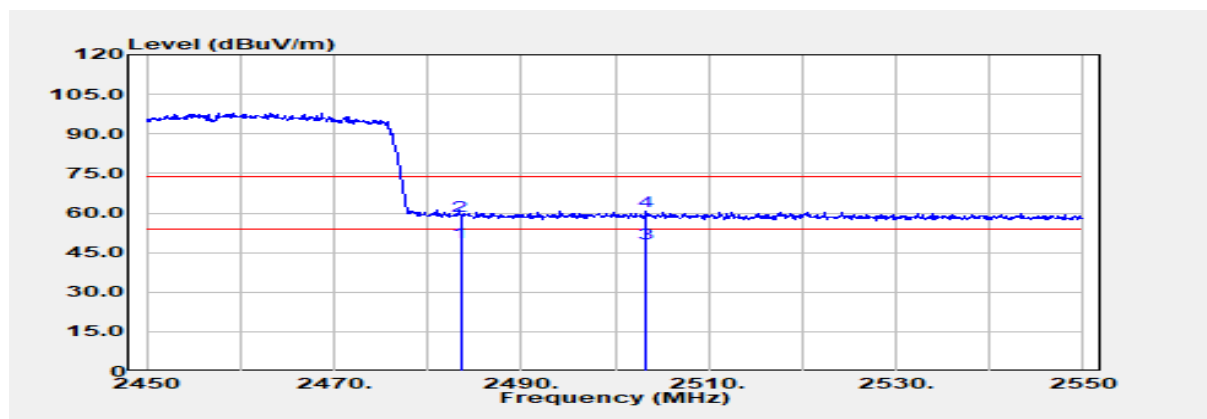
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ax40  
 Test Frequency :2457 MHz  
 Test Mode :BE CH 10  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-21  
 Temp./Humi. : 20.8/63  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 57.18         | -8.12  | 49.06  | 54.00  | -4.94  |
| 2483.500 | Peak     | 66.97         | -8.12  | 58.85  | 74.00  | -15.15 |
| 2503.400 | Average  | 56.27         | -7.70  | 48.57  | 54.00  | -5.43  |
| 2503.400 | Peak     | 68.35         | -7.70  | 60.65  | 74.00  | -13.35 |

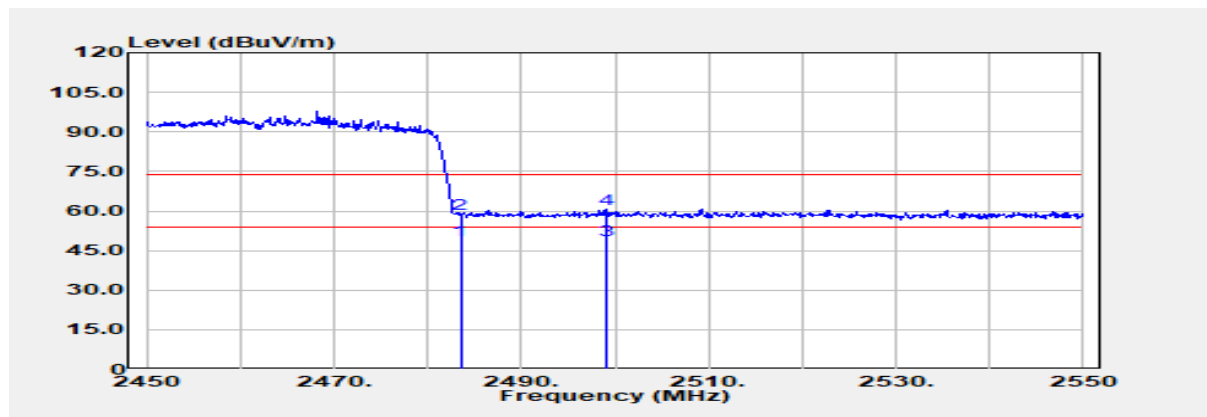
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Report Number :E2/2020/C0072  
 Operation Mode :802.11ax40  
 Test Frequency :2462 MHz  
 Test Mode :BE CH 11  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-14  
 Temp./Humi. :21.3/59  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



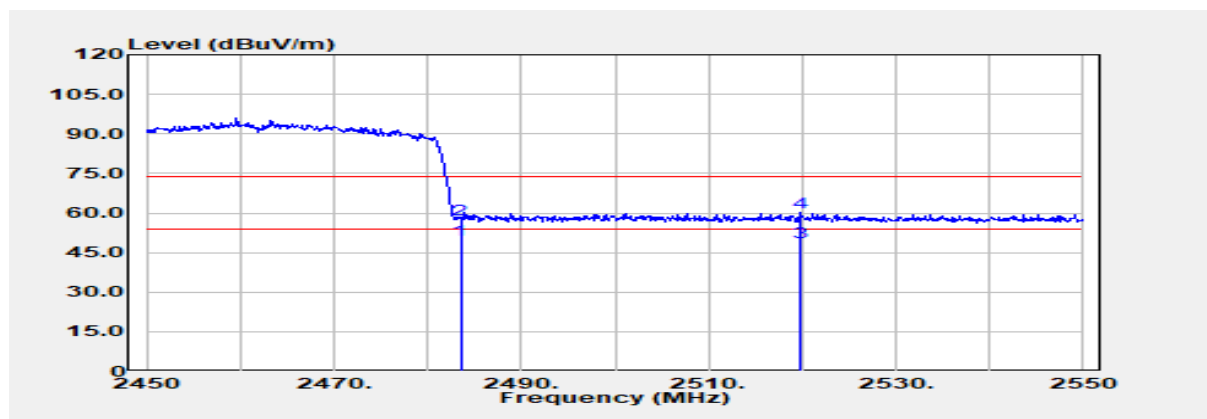
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 57.06         | -8.12  | 48.94  | 54.00  | -5.06  |
| 2483.500 | Peak     | 66.89         | -8.12  | 58.77  | 74.00  | -15.23 |
| 2499.000 | Average  | 56.74         | -7.62  | 49.12  | 54.00  | -4.88  |
| 2499.000 | Peak     | 68.30         | -7.62  | 60.68  | 74.00  | -13.32 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11ax40    | Test Date    | :2021-01-14    |
| Test Frequency | :2462 MHz      | Temp./Humi.  | :21.3/59       |
| Test Mode      | :BE CH 11      | Antenna Pol. | :Horizontal    |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
|          | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 2483.500 | Average  | 58.06         | -8.12  | 49.94  | 54.00  | -4.06  |
| 2483.500 | Peak     | 65.43         | -8.12  | 57.31  | 74.00  | -16.69 |
| 2519.800 | Average  | 56.40         | -7.70  | 48.70  | 54.00  | -5.30  |
| 2519.800 | Peak     | 68.09         | -7.70  | 60.40  | 74.00  | -13.60 |

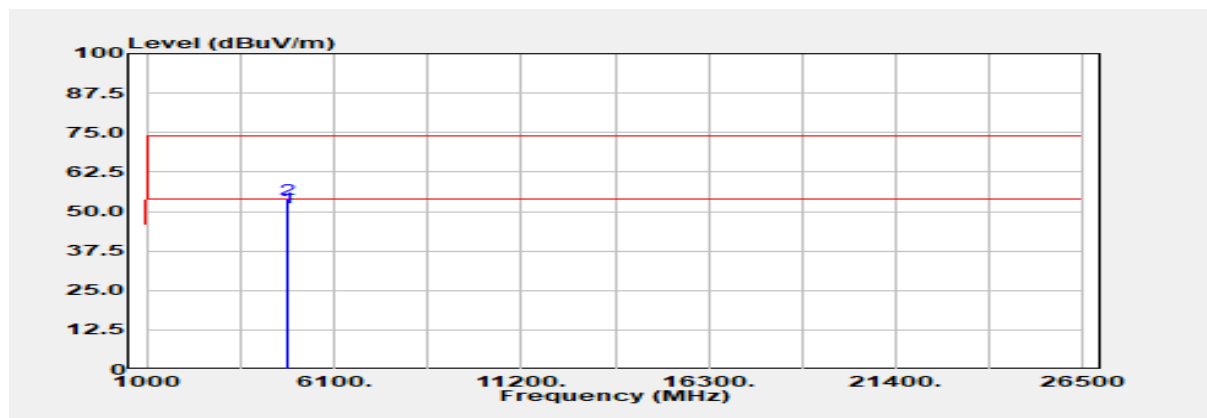
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### 7.7.2 Above 1GHz Emission:

|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11b       | Test Date    | :2021-01-13    |
| Test Frequency | :2412 MHz      | Temp./Humi.  | :19.6/62       |
| Test Mode      | :TX CH LOW     | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 4824.000 | Average  | 54.63         | -3.13  | 51.50  | 54.00  | -2.50  |
| 4824.000 | Peak     | 56.91         | -3.13  | 53.78  | 74.00  | -20.22 |

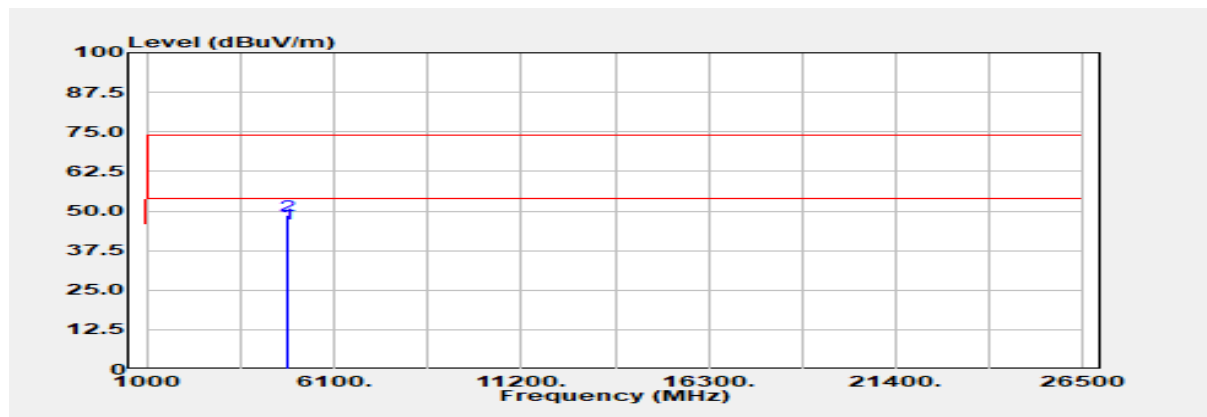
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Report Number :E2/2020/C0072  
 Operation Mode :802.11b  
 Test Frequency :2412 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-13  
 Temp./Humi. :19.6/62  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



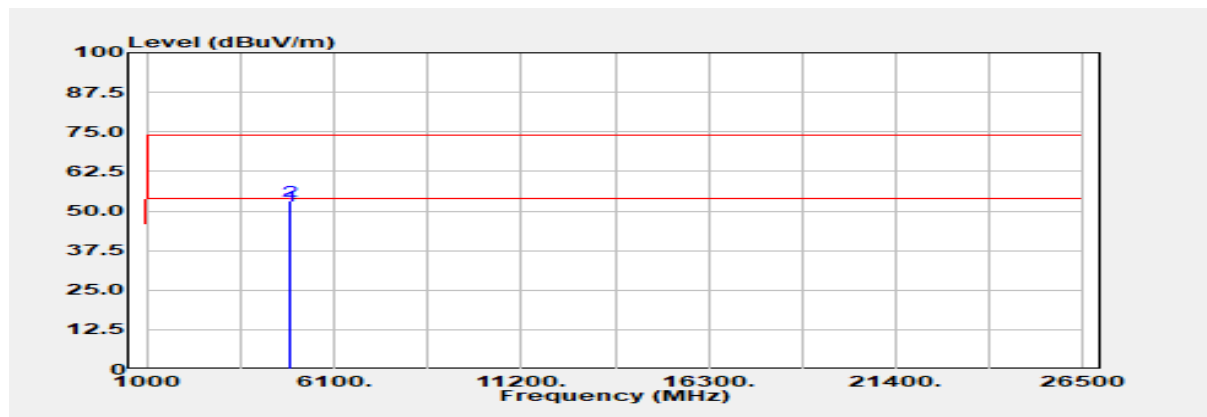
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 4824.000 | Average  | 49.14         | -3.13  | 46.01  | 54.00  | -7.99  |
| 4824.000 | Peak     | 51.95         | -3.13  | 48.82  | 74.00  | -25.18 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11b       | Test Date    | :2021-01-13    |
| Test Frequency | :2437 MHz      | Temp./Humi.  | :19.6/62       |
| Test Mode      | :TX CH MID     | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 4874.000 | Average  | 54.68         | -3.00  | 51.68  | 54.00  | -2.32  |
| 4874.000 | Peak     | 56.24         | -3.00  | 53.25  | 74.00  | -20.75 |

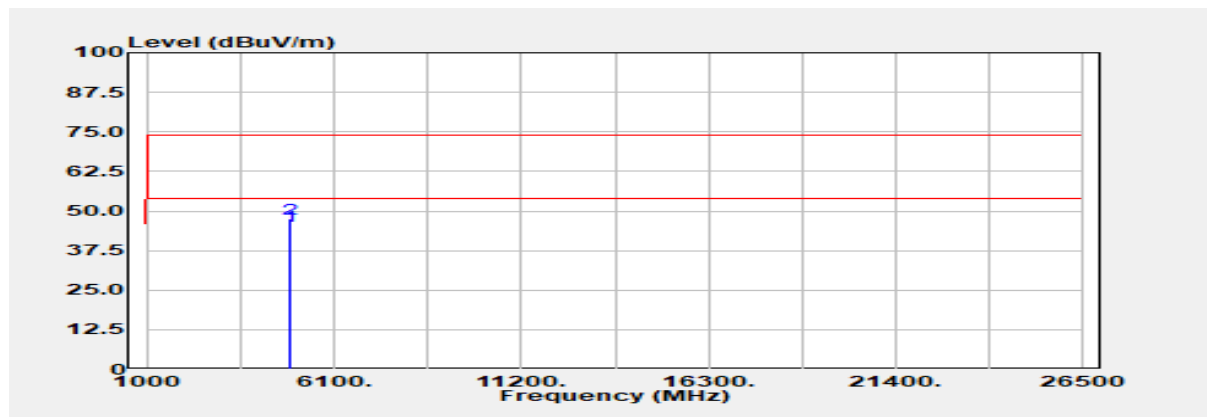
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Report Number :E2/2020/C0072  
 Operation Mode :802.11b  
 Test Frequency :2437 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-13  
 Temp./Humi. :19.6/62  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



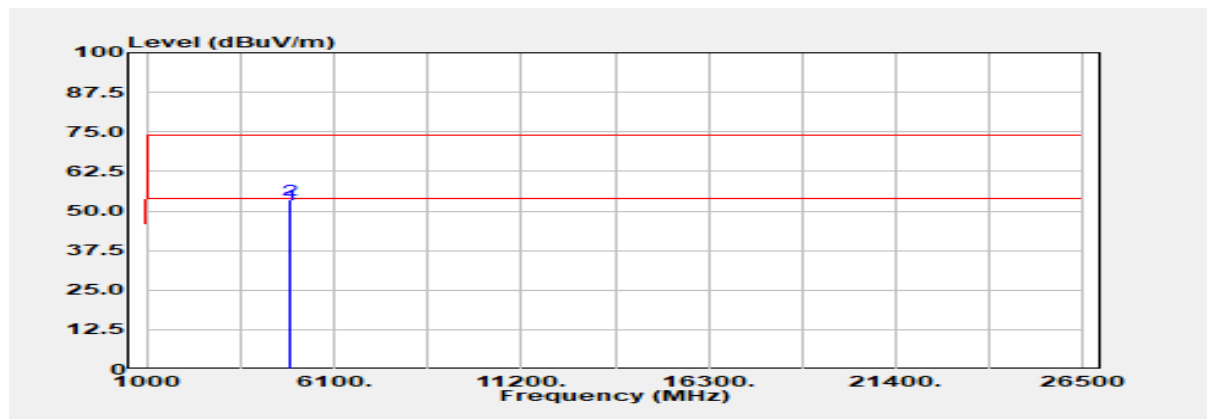
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 4874.000 | Average  | 48.22         | -3.00  | 45.22  | 54.00  | -8.78  |
| 4874.000 | Peak     | 50.61         | -3.00  | 47.61  | 74.00  | -26.39 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11b       | Test Date    | :2021-01-13    |
| Test Frequency | :2462 MHz      | Temp./Humi.  | :19.6/62       |
| Test Mode      | :TX CH HIGH    | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
|          | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 4924.000 | Average  | 55.20         | -3.21  | 51.99        | 54.00        | -2.01  |
| 4924.000 | Peak     | 56.70         | -3.21  | 53.49        | 74.00        | -20.51 |

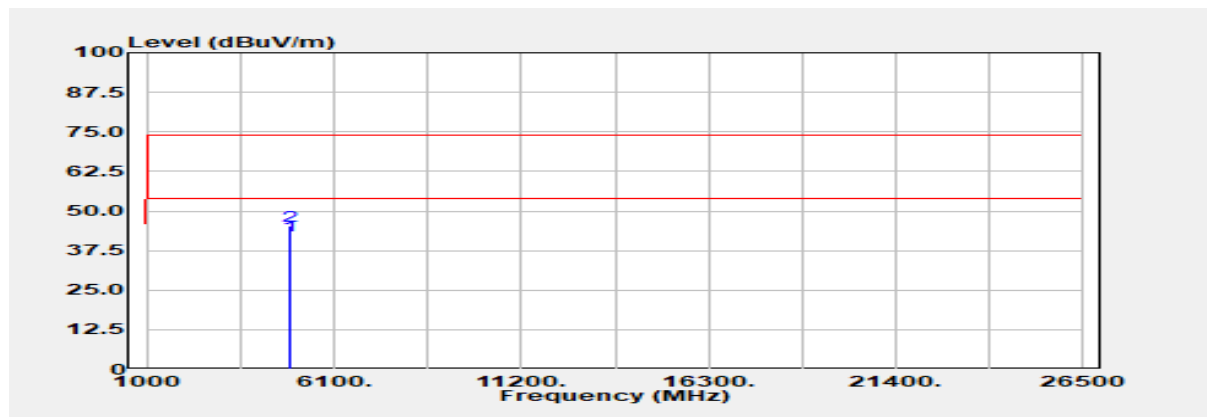
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Report Number :E2/2020/C0072  
Operation Mode :802.11b  
Test Frequency :2462 MHz  
Test Mode :TX CH HIGH  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-13  
Temp./Humi. :19.6/62  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



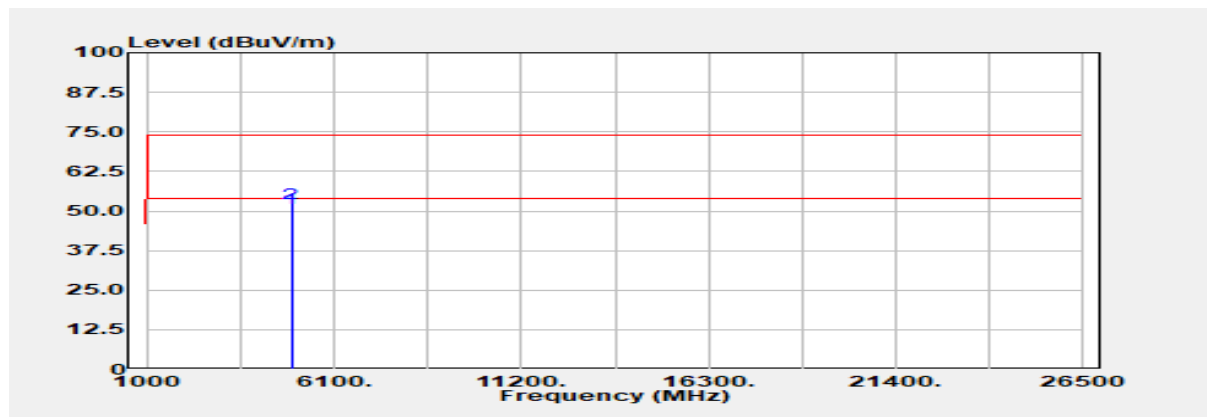
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 4924.000 | Average  | 45.50         | -3.21  | 42.29  | 54.00  | -11.71 |
| 4924.000 | Peak     | 48.66         | -3.21  | 45.45  | 74.00  | -28.55 |

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|                |                |              |                |
|----------------|----------------|--------------|----------------|
| Report Number  | :E2/2020/C0072 | Test Site    | :966 Chamber D |
| Operation Mode | :802.11b       | Test Date    | :2021-01-13    |
| Test Frequency | :2467 MHz      | Temp./Humi.  | :19.6/62       |
| Test Mode      | :TX CH 12      | Antenna Pol. | :Vertical      |
| EUT Pol        | :NB Plan       | Engineer     | :Andy Wang     |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
| MHz      | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 4934.000 | Average  | 53.98         | -3.06  | 50.92  | 54.00  | -3.08  |
| 4934.000 | Peak     | 55.40         | -3.06  | 52.33  | 74.00  | -21.67 |

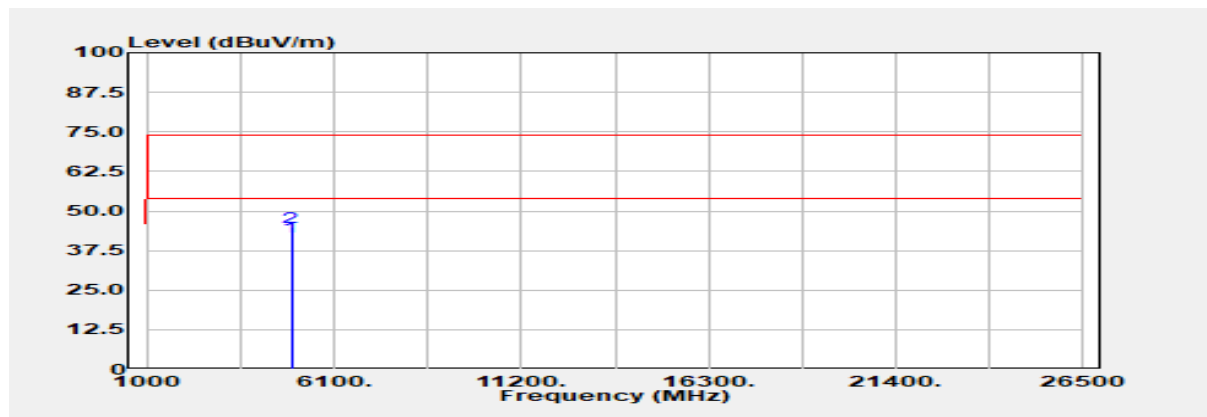
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Report Number :E2/2020/C0072  
 Operation Mode :802.11b  
 Test Frequency :2467 MHz  
 Test Mode :TX CH 12  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-13  
 Temp./Humi. :19.6/62  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



| Freq.    | Detector      | Spectrum | Factor | Actual | Limit  | Margin |
|----------|---------------|----------|--------|--------|--------|--------|
| Mode     | Reading Level |          |        | FS     | @3m    |        |
| MHz      | PK/QP/AV      | dBμV     | dB     | dBμV/m | dBμV/m | dB     |
| 4934.000 | Average       | 45.12    | -3.06  | 42.06  | 54.00  | -11.94 |
| 4934.000 | Peak          | 48.01    | -3.06  | 44.95  | 74.00  | -29.05 |

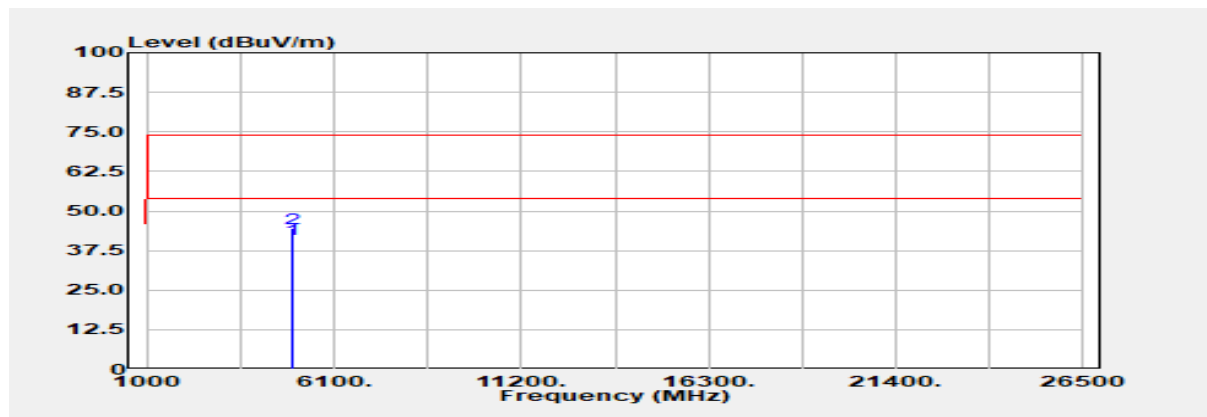
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Report Number :E2/2020/C0072  
 Operation Mode :802.11b  
 Test Frequency :2472 MHz  
 Test Mode :TX CH 13  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-01-13  
 Temp./Humi. :19.6/62  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 4944.000 | Average  | 43.87         | -2.58  | 41.29        | 54.00        | -12.71 |
| 4944.000 | Peak     | 47.25         | -2.58  | 44.67        | 74.00        | -29.33 |

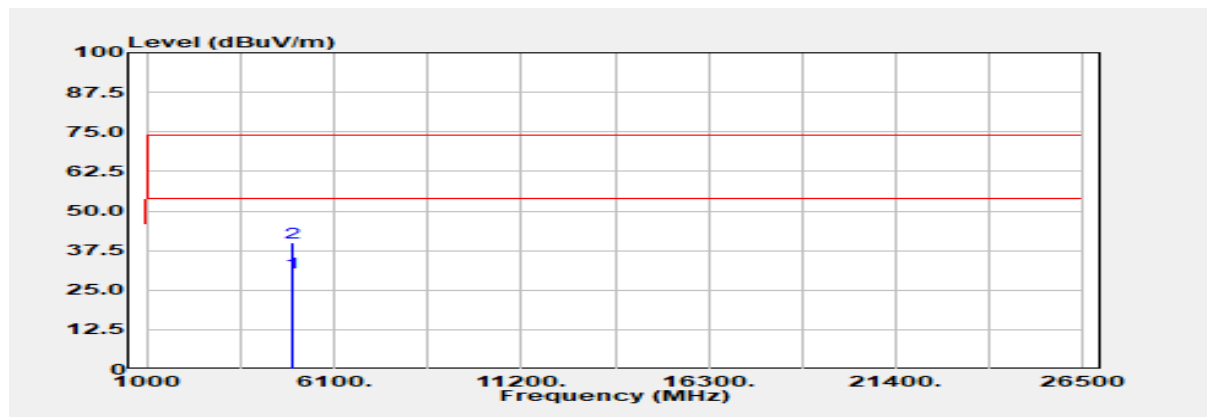
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Report Number :E2/2020/C0072  
Operation Mode :802.11b  
Test Frequency :2472 MHz  
Test Mode :TX CH 13  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-01-13  
Temp./Humi. :19.6/62  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



| Freq.    | Detector | Spectrum      | Factor | Actual       | Limit        | Margin |
|----------|----------|---------------|--------|--------------|--------------|--------|
| MHz      | Mode     | Reading Level |        | FS           | @3m          |        |
| MHz      | PK/QP/AV | dB $\mu$ V    | dB     | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| 4944.000 | Average  | 33.25         | -2.58  | 30.67        | 54.00        | -23.33 |
| 4944.000 | Peak     | 42.41         | -2.58  | 39.83        | 74.00        | -34.17 |

~ End of Report ~

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.

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