

## 低功率射頻器材試驗報告



申請廠商 英大貿易股份有限公司  
臺南市南區彰南里新愛路15號1樓  
製造廠商 Harman International Industries, Incorporated  
產品名稱 WIRELESS SPEAKER  
廠牌 JBL  
型號 L75ms  
型號差異 N/A  
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Approved By:

楊景嵐

待測裝置已於台灣檢驗科技股份有限公司射頻實驗中心，依據國家通訊傳播委員會於中華民國一百零九年七月頒佈之低功率射頻器材技術規範 LP0002 測試。

台灣檢驗科技股份有限公司根據此條文規範項目測試，測試各項數據皆能符合此規範規定之限度值。

報告中所描述之測試結果和待測設備的架構組合，均根據實際量測情況作詳實的記錄，且本測試報告僅對上述待測樣品負責。

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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## Revision History

| Report Number | Revision | Description  | Issue Date        | Revised By | Remark |
|---------------|----------|--------------|-------------------|------------|--------|
| ER/2021/C0041 | 00       | Original.    | 民國 111 年 2 月 21 日 | 張嘉芳        | -      |
| ER/2021/C0041 | 01       | 修正部分數據<br>呈現 | 民國 111 年 3 月 3 日  | 張嘉芳        | *      |

**Note:**

- 1、標註「\*」為報告尚未正式取證前，因認證機構意見修改之版本。
- 2、電源線傳導干擾及 Fully System 測試模式在各個無線功能全開下進行測試，經評估為最差模式。
- 3、測試報告 ER/2021/C0038 之電源線傳導干擾及 Fully system 場強輻射測試數據，沿用於此報告中。

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## 1 測試實驗室資料

### 1.1 認可登錄資訊:

實驗室認可登錄： 中華民國實驗室認證體系

認可編號： TAF 3702

認證有效期間： 110年06月14日起至113年06月13日止

實驗室名稱： 台灣檢驗科技股份有限公司射頻實驗中心

實驗室地址： 新北市新北產業園區五工路134號

電話： 886-2-22993939

傳真： 886-2-22982698

### 1.2 實驗室場地資訊

| 測試場地                               | 測試場地編號       |             |              |
|------------------------------------|--------------|-------------|--------------|
| 新北市新北產業園區五工路 134 號                 | SAC 1        | SAC 3       | Conduction 1 |
|                                    | Conducted 1  | Conducted 2 | Conducted 3  |
|                                    | Conducted 4  | Conducted 5 | Conducted 6  |
| 桃園市龜山區(華亞科技園區)科技一路 2 號             | SAC C        | SAC D       | SAC G        |
|                                    | Conduction C | Conducted A | Conducted B  |
|                                    | Conducted C  | Conducted D | Conducted E  |
|                                    | Conducted F  | Conducted G |              |
| 註: 測試場地編號記錄於每項測試之儀器清單, 用以表示測試場地地址。 |              |             |              |

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## 2 實驗室之量測不確定度

| 量測項目                          | 量測不確定度        |              |      |    |
|-------------------------------|---------------|--------------|------|----|
|                               | (擴充不確定度)      |              |      |    |
| 傳導干擾量測                        | 電源線           | 0.15-30MHz   | 2.34 | dB |
| 輻射干擾量測<br>(3m 測距)             | 水平極化          | 9kHz - 30MHz | 2.57 | dB |
|                               |               | 30-1000MHz   | 4.37 | dB |
|                               |               | 1-18GHz      | 4.45 | dB |
|                               |               | 18-40GHz     | 4.24 | dB |
|                               | 垂直極化          | 9kHz - 30MHz | 2.57 | dB |
|                               |               | 30-1000MHz   | 4.85 | dB |
|                               |               | 1-18GHz      | 4.45 | dB |
|                               |               | 18-40GHz     | 4.24 | dB |
| 頻率誤差量測                        |               |              | 1.53 | Hz |
| 輸出功率                          | 傳導方式          |              | 1    | dB |
| 有效輻射功率<br>(輻射方式)              | 水平極化          | 30-1000MHz   | 2.03 | dB |
|                               |               | 1-40GHz      | 3    | dB |
|                               | 垂直極化          | 30-1000MHz   | 2.35 | dB |
|                               |               | 1-40GHz      | 3    | dB |
| 功率頻譜密度                        | 傳導方式          |              | 1.62 | dB |
| 鄰頻道功率量測<br>(輻射方式)             | 水平極化          | 30-1000MHz   | 2.03 | dB |
|                               | 垂直極化          | 30-1000MHz   | 2.35 | dB |
| Transmitter Spurious Emission | 33GHz-50GHz   |              | 3.8  | dB |
|                               | 50GHz-60GHz   |              | 4.67 | dB |
|                               | 60GHz-90GHz   |              | 4.81 | dB |
|                               | 90GHz-140GHz  |              | 4.57 | dB |
|                               | 140GHz-200GHz |              | 5.42 | dB |

附註: 1. K=2 即代表測試結果具有95%的量測可信度。

2. 本報告中的符合性判定僅依據試驗結果，不考慮其試驗結果的量測不確定度。

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### 3 一般資料

#### 3.1 產品描述

|      |                         |
|------|-------------------------|
| 產品名稱 | WIRELESS SPEAKER        |
| 廠牌   | JBL                     |
| 型號   | L75ms                   |
| 型號差異 | N/A                     |
| 使用電源 | 110 Vac from AC adapter |
| 測試軟體 | Tera Term/4.73          |

#### 3.2 Modulation & Data Rate

|                  |                                    |
|------------------|------------------------------------|
| Modulation type: | 64QAM, 16QAM, QPSK, BPSK for OFDM  |
|                  | 256QAM for OFDM in 802.11ac only   |
|                  | 1024QAM for OFDMA in 802.11ax only |
| Transition Rate: | 802.11 a: 6 - 54 Mbps              |
|                  | 802.11 n_20MHz: 6.5 - 144.4 Mbps   |
|                  | 802.11 n_40MHz: 13.5 - 300 Mbps    |
|                  | 802.11 ac_20MHz: 6.5 - 173.4 Mbps  |
|                  | 802.11 ac_40MHz: 13.5 - 400 Mbps   |
|                  | 802.11 ac_80MHz: 29.3 - 866.6 Mbps |

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## 3.3 天線資訊

| Antenna Type                                            | Brand  | Antenna No. | Antenna Model No. | Freq. (MHz) | Peak Antenna Gain (dBi) | Directional Gain (dBi) |
|---------------------------------------------------------|--------|-------------|-------------------|-------------|-------------------------|------------------------|
| Dipole                                                  | M.gear | ANT 1       | EAN00235          | 5150~5250   | 7                       | 10.01                  |
|                                                         |        |             |                   | 5250~5350   | 7                       | 10.01                  |
|                                                         |        |             |                   | 5470~5725   | 7                       | 10.01                  |
|                                                         |        |             |                   | 5725~5850   | 7                       | 10.01                  |
|                                                         |        | ANT 2       |                   | 5150~5250   | 7                       | 10.01                  |
|                                                         |        |             |                   | 5250~5350   | 7                       | 10.01                  |
|                                                         |        |             |                   | 5470~5725   | 7                       | 10.01                  |
|                                                         |        |             |                   | 5725~5850   | 7                       | 10.01                  |
| Note: Antenna information is provided by the applicant. |        |             |                   |             |                         |                        |

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## 3.4 射頻特性

| Wi-Fi                        | Frequency Range | Channels | Rated Power(Avg)<br>(dBm) (Worst Case) | Modulation<br>Technology |
|------------------------------|-----------------|----------|----------------------------------------|--------------------------|
| a/<br>n_HT/<br>ac_VHT<br>20M | 5180~5240       | 4        | 14.65 dBm                              | OFDM                     |
|                              | 5260~5320       | 4        | 14.79 dBm                              | OFDM                     |
|                              | 5500~5700       | 11       | 14.79 dBm                              | OFDM                     |
|                              | 5745~5825       | 5        | 14.62 dBm                              | OFDM                     |
| n_HT/<br>ac_VHT<br>40M       | 5190~5230       | 2        | 11.98 dBm                              | OFDM                     |
|                              | 5270~5310       | 2        | 16.75 dBm                              | OFDM                     |
|                              | 5510~5670       | 5        | 16.86 dBm                              | OFDM                     |
|                              | 5755~5795       | 2        | 16.74 dBm                              | OFDM                     |
| ac_VHT<br>80M                | 5210            | 1        | 7.86 dBm                               | OFDM                     |
|                              | 5290            | 1        | 11.68 dBm                              | OFDM                     |
|                              | 5530~5610       | 2        | 16.60 dBm                              | OFDM                     |
|                              | 5775            | 1        | 15.54 dBm                              | OFDM                     |

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### 3.5 配件資訊

以下配件及電源供應方式經申請者切結，由實驗室或申請者提供併同檢驗。

| 是否附賣                                |                                     | 實驗室<br>提供                           | 申請者<br>提供                           | 配件             | 廠牌               | 型號              | 備註   |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------------|------------------|-----------------|------|
| Yes                                 | No                                  |                                     |                                     |                |                  |                 |      |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | USB Dongle     | TEAMGROUP        | C175 16GB       | 5Vdc |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Cat.5e Cable   | RONEVER          | VPH-02          | N/A  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HDMI Cable     | BENEVO           | BHDMI8010K      | N/A  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | AUX IN 線       | 深圳市潤鑫成<br>電子有限公司 | RXC 徐港-20070803 | N/A  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 紅白黃 AV 端子轉 AUX | I-WIZ            | AD-35           | N/A  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 電源線            | I SHENG          | H03VVH2-F       | N/A  |

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### 3.6 使用頻段

此裝置符合IEEE Std 802.11 標準，採用正交分頻多工 OFDM 調變技術。

#### Operated band in 5150 MHz ~5250 MHz:

| 20 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 36   | 5180       |
| 40   | 5200       |
| 44   | 5220       |
| 48   | 5240       |

| 40 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 38   | 5190       |
| 46   | 5230       |

| 80 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 42   | 5210       |

#### Operated band in 5250 MHz ~5350 MHz:

| 20 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 52   | 5260       |
| 56   | 5280       |
| 60   | 5300       |
| 64   | 5320       |

| 40 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 54   | 5270       |
| 62   | 5310       |

| 80 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 58   | 5290       |

#### Operated band in 5470 MHz ~5725 MHz:

| 20 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 100  | 5500       |
| 104  | 5520       |
| 108  | 5540       |
| 112  | 5560       |
| 116  | 5580       |
| 120  | 5600       |
| 124  | 5620       |
| 128  | 5640       |
| 132  | 5660       |
| 136  | 5680       |
| 140  | 5700       |

| 40 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 102  | 5510       |
| 110  | 5550       |
| 118  | 5590       |
| 126  | 5630       |
| 134  | 5670       |

| 80 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 106  | 5530       |
| 122  | 5610       |

#### Operated band in 5725 MHz ~5850 MHz:

| 20 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 149  | 5745       |
| 153  | 5765       |
| 157  | 5785       |
| 161  | 5805       |
| 165  | 5825       |

| 40 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 151  | 5755       |
| 159  | 5795       |

| 80 M |            |
|------|------------|
| CH   | Freq (MHz) |
| 155  | 5775       |

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#### 4 最差測試模式:

1. The EUT has been tested under operating condition.
2. Test program used to control the EUT for staying in continuous transmitting 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 |     |   |     |  |     |  |     | Single Transmission Spatial |      | Multiple Transmission Spatial |      |
|------------|-----------|--------------------|-----|---|-----|--|-----|--|-----|-----------------------------|------|-------------------------------|------|
| v          | 802.11 a  | v                  | Ch0 | v | Ch1 |  | Ch2 |  | Ch3 | v                           | 1TX  |                               | 2TX  |
| v          | 802.11 n  | v                  | Ch0 | v | Ch1 |  | Ch2 |  | Ch3 | v                           | SISO | v                             | MIMO |
| v          | 802.11 ac | v                  | Ch0 | v | Ch1 |  | Ch2 |  | Ch3 | v                           | SISO | v                             | MIMO |
|            | 802.11 ax |                    | Ch0 |   | Ch1 |  | Ch2 |  | Ch3 |                             | SISO |                               | 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.

| RADIATED EMISSION TEST (BELOW 1 GHz) |                      |                   |                |            |                  |              |
|--------------------------------------|----------------------|-------------------|----------------|------------|------------------|--------------|
| MODE                                 | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11a                              | 5180~5240            | 36 to 48          | 44             | OFDM       | 6                | ch0          |
|                                      | 5260~5320            | 52 to 64          | 60             |            |                  |              |
|                                      | 5500~5700            | 100 to 140        | 116            |            |                  |              |
|                                      | 5745~5825            | 149 to 165        | 157            |            |                  |              |
| 802.11ac_VHT80                       | 5210                 | 42                | 42             | OFDM       | MCS0             | MIMO         |
|                                      | 5290                 | 58                | 58             |            |                  |              |
|                                      | 5530~5610            | 106 to 122        | 122            |            |                  |              |
|                                      | 5775                 | 155               | 155            |            |                  |              |

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| RADIATED EMISSION TEST (ABOVE 1 GHz) |                      |                   |                |            |                  |              |
|--------------------------------------|----------------------|-------------------|----------------|------------|------------------|--------------|
| MODE                                 | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11a                              | 5180~5240            | 36 to 48          | 36,44,48       | OFDM       | 6                | ch0          |
|                                      | 5260~5320            | 52 to 64          | 52,60,64       |            |                  |              |
|                                      | 5500~5700            | 100 to 140        | 100,116,140    |            |                  |              |
|                                      | 5745~5825            | 149 to 165        | 149,157,165    |            |                  |              |
| 802.11n_HT20                         | 5180~5240            | 36 to 48          | 36,44,48       | OFDM       | MCS8             | MIMO         |
|                                      | 5260~5320            | 52 to 64          | 52,60,64       |            |                  |              |
|                                      | 5500~5700            | 100 to 140        | 100,116,140    |            |                  |              |
|                                      | 5745~5825            | 149 to 165        | 149,157,165    |            |                  |              |
| 802.11n_HT40                         | 5190~5230            | 38 to 46          | 38,46          | OFDM       | MCS8             | MIMO         |
|                                      | 5270~5310            | 54 to 62          | 54,62          |            |                  |              |
|                                      | 5510~5670            | 102 to 134        | 102,110,134    |            |                  |              |
|                                      | 5755~5795            | 151 to 159        | 151,159        |            |                  |              |
| 802.11ac_VHT80                       | 5210                 | 42                | 42             | OFDM       | MCS0             | MIMO         |
|                                      | 5290                 | 58                | 58             |            |                  |              |
|                                      | 5530~5610            | 106 to 122        | 106,122        |            |                  |              |
|                                      | 5775                 | 155               | 155            |            |                  |              |

| CONDUCTED TEST |                      |                   |                |            |                  |              |
|----------------|----------------------|-------------------|----------------|------------|------------------|--------------|
| MODE           | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11a        | 5180~5240            | 36 to 48          | 36,44,48       | OFDM       | 6                | ch0          |
|                | 5260~5320            | 52 to 64          | 52,60,64       |            |                  |              |
|                | 5500~5700            | 100 to 140        | 100,116,140    |            |                  |              |
|                | 5745~5825            | 149 to 165        | 149,157,165    |            |                  |              |
| 802.11n_HT20   | 5180~5240            | 36 to 48          | 36,44,48       | OFDM       | MCS8             | MIMO         |
|                | 5260~5320            | 52 to 64          | 52,60,64       |            |                  |              |
|                | 5500~5700            | 100 to 140        | 100,116,140    |            |                  |              |
|                | 5745~5825            | 149 to 165        | 149,157,165    |            |                  |              |
| 802.11n_HT40   | 5190~5230            | 38 to 46          | 38,46          | OFDM       | MCS8             | MIMO         |
|                | 5270~5310            | 54 to 62          | 54,62          |            |                  |              |
|                | 5510~5670            | 102 to 134        | 102,110,134    |            |                  |              |
|                | 5755~5795            | 151 to 159        | 151,159        |            |                  |              |
| 802.11ac_VHT80 | 5210                 | 42                | 42             | OFDM       | MCS0             | MIMO         |
|                | 5290                 | 58                | 58             |            |                  |              |
|                | 5530~5610            | 106 to 122        | 106,122        |            |                  |              |
|                | 5775                 | 155               | 155            |            |                  |              |

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## 5 測試方法之依據

本測試報告之所有項目皆依據國家通訊傳播委員會低功率射頻器材技術規範(LP0002, 109.7.1 版本) 如無國家標準可適用者，得依美國 EIA、IEEE ANSI 檢驗法檢驗，及美國 FCC 47 CFR Part 2 有關檢驗之規定及參考 ANSI C63.10:2013、FCC CFR 47 15.407、FCC 14-30、KDB 789033D02 之檢驗法。

### 低功率射頻器材技術規範5.7節及FCC Part 15.407

| 項次 | 測試項目         | 適用規範                                                                                             | 測試結果 |
|----|--------------|--------------------------------------------------------------------------------------------------|------|
| 1  | 不必要發射之限制     | 低功率射頻器材技術規範 5.7.4                                                                                | 符合   |
| 2  | 電源線傳導干擾      | 低功率射頻器材技術規範 3.3節                                                                                 | 符合   |
| 3  | 天線增益之要求      | 低功率射頻器材技術規範<br>5.7.3.1 (1) (C) , (2) (C) , (3) (C) , (4) (C)<br>5.7.3.2 (3)<br>5.7.3.3 (3) , (4) | 符合   |
| 4  | 26 dB& 6dB頻寬 | 低功率射頻器材技術規範 5.7.3 ,4                                                                             | 符合   |
| 5  | 最大輸出功率       | 低功率射頻器材技術規範 5.7.3                                                                                | 符合   |
| 6  | 功率密度         | 低功率射頻器材技術規範 5.7.3                                                                                | 符合   |

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## 6 適用規範

### 6.1 規範要求 (一般規定)

#### (1) 傳導之規定

依據NCC低功率射頻器材技術規範之3.3節，以市電為電源之低功率射頻器材，其傳導回電源線上頻率自150 kHz~30 百萬赫(MHz) 之射頻電壓(在電源端子每一電源線對接地點)應小於或等於下表所列之限制值。測量時應經過50 微亨利(uH)及50 歐姆( $\Omega$ )之電源線阻抗穩定網路(Line Impedance Stabilization Network; LISN)。頻率重疊處，以較低限制值為準。

| 頻率(MHz)    | 傳導限制值 (dBuV)       |               |
|------------|--------------------|---------------|
|            | 準峰值 (Quasi – peak) | 平均值 (Average) |
| 0.15 – 0.5 | 66 – 56            | 56 - 46       |
| 0.5 – 5    | 56                 | 46            |
| 5 - 30     | 60                 | 50            |

#### (2) 輻射之規定

依據NCC低功率射頻器材技術規範3.5節之要求，其他開放頻帶外不必要之輻射需符合3.6節之一般限制要求，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

| 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                 |

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## (3) 禁用頻帶限制之規定

依據NCC低功率射頻器材技術規範3.5節之要求，任何低功率射頻器材之主波皆不得使用下表所列各頻帶內之頻率；低功率射頻器材落於下表所列頻帶內之混附發射，其電場強度必須符合第3.6節的限制規定。

| 頻率 (MHz)      | 頻率 (MHz)      | 頻率 (MHz)      |
|---------------|---------------|---------------|
| 0.090~0.110   | 240.00~285.00 | 3332.0~3339.0 |
| 0.490~0.510   | 322.00~335.40 | 3345.8~3358.0 |
| 2.172~2.198   | 399.90~410.00 | 3500.0~4400.0 |
| 3.013~3.033   | 485.00~510.00 | 4500.0~5250.0 |
| 4.115~4.198   | 608.00~614.00 | 5350.0~5460.0 |
| 5.670~5.690   | 703.00~748.00 | 7250.0~7750.0 |
| 6.200~6.300   | 758.00~803.00 | 8025.0~8500.0 |
| 8.230~8.400   | 825.00~915.00 | 9000.0~9200.0 |
| 12.265~12.600 | 930.00~1240.0 | 9300.0~9500.0 |
| 13.340~13.430 | 1300.0~1427.0 | 10600~12700   |
| 14.965~15.020 | 1435.0~1626.5 | 13250~13400   |
| 16.700~16.755 | 1660.0~1785.0 | 14470~14500   |
| 19.965~20.020 | 1805.0~1880.0 | 15350~16200   |
| 25.500~25.700 | 1885.0~1900.0 | 17700~21400   |
| 37.475~38.275 | 1905.0~1985.0 | 22010~23120   |
| 73.500~75.400 | 2010.0~2025.0 | 23600~24000   |
| 108.00~138.00 | 2110.0~2170.0 | 31200~31800   |
| 149.90~150.05 | 2200.0~2300.0 | 36430~36500   |
| 156.70~156.90 | 2310.0~2390.0 | 38600 以上      |
| 162.01~167.17 | 2483.5~2900.0 |               |
| 167.72~173.20 | 3260.0~3267.0 |               |

(4) 依據NCC低功率射頻器材技術規範3.9節之要求，低功率射頻電機之收、發信機為成套銷售者，收、發信機應一併送審或提供經型式認證合格之對應收、發信機之送審資料；收信機之輻射電場強度不得超過3.6之發射規定，且不得解調3.5所列之頻率。

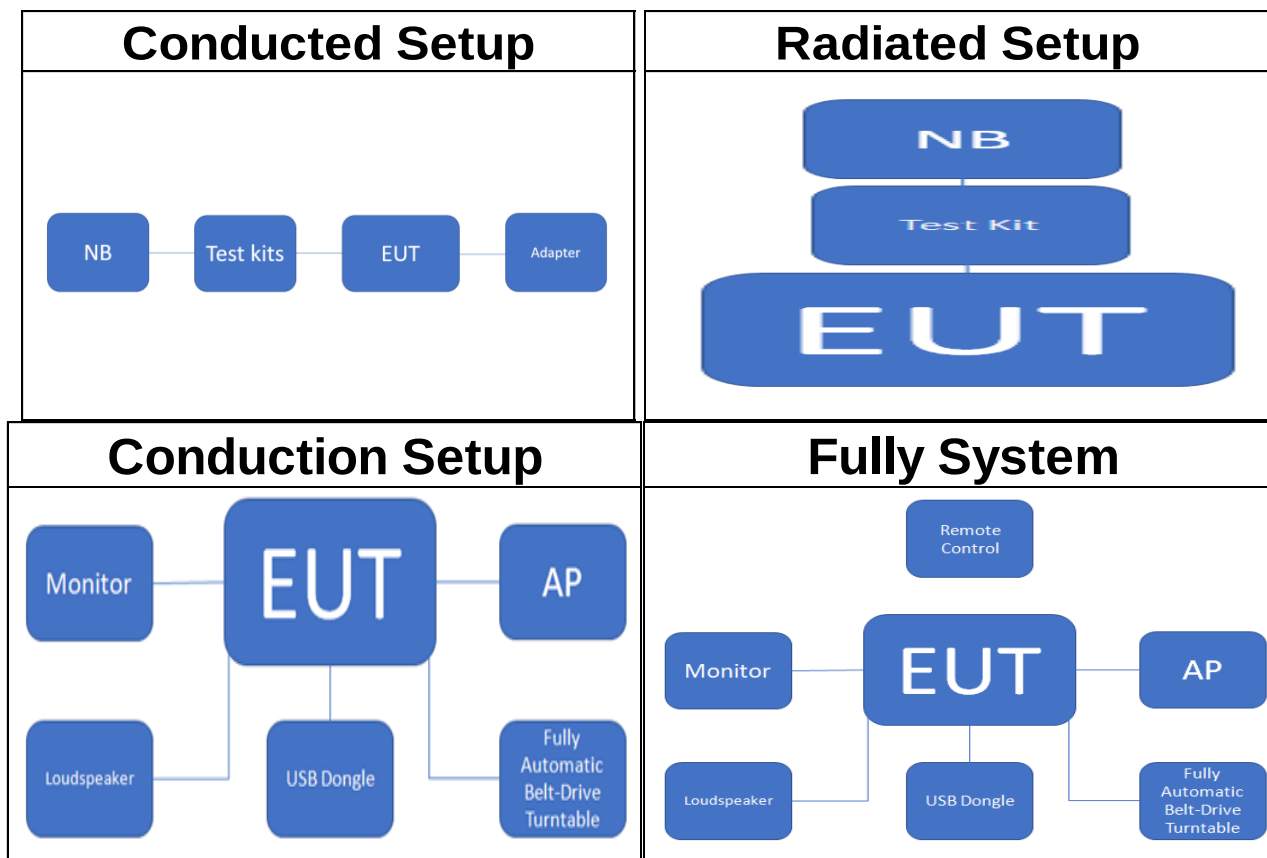
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## 7 測試週邊

### 7.1 待測物與測試週邊配置圖



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## 7.2 測試週邊描述

### 7.2.1 Conduction

| AC Power-Line Conducted Emission Test Site: Conduction 1 |                |                |                          |           |          |
|----------------------------------------------------------|----------------|----------------|--------------------------|-----------|----------|
| EQUIPMENT TYPE                                           | MFR            | MODEL NUMBER   | SERIAL NUMBER            | LAST CAL. | CAL DUE. |
| Test Software                                            | Audix          | e3             | Ver. 9.210322            | N.C.R     | N.C.R    |
| Power cord                                               | I SHENG        | H03VVH2-F      | N/A                      | N/A       | N/A      |
| AP                                                       | TP-LINK        | AD7200         | 2167854000639            | N/A       | N/A      |
| Monitor                                                  | DELL           | U2413f         | CH-06VNX5-72872-34D-A6YL | N/A       | N/A      |
| Fully Automatic Belt-Drive Turntable                     | audio-technica | AT-LP60X       | 212882217                | N/A       | N/A      |
| 黑色膠片                                                     | audio-technica | 4.7102E+12     | N/A                      | N/A       | N/A      |
| Loudspeaker                                              | OZAKI          | WR325          | N/A                      | N/A       | N/A      |
| USB Dongle                                               | TEAMGROUP      | C175 16GB      | N/A                      | N/A       | N/A      |
| Cat.5e Cable                                             | RONEVER        | VPH-02         | 1500021123               | N/A       | N/A      |
| HDMI Cable                                               | BENEVO         | BHDMI8010 K    | N/A                      | N/A       | N/A      |
| AUX IN線                                                  | 深圳市潤鑫成電子有限公司   | RXC徐港-20070803 | N/A                      | N/A       | N/A      |
| 紅白黃AV端子轉AUX                                              | I-WIZ          | AD-35          | N/A                      | N/A       | N/A      |

### 7.2.2 Conducted

| Conducted Emission Test Site: Conducted 2 |             |              |               |           |          |
|-------------------------------------------|-------------|--------------|---------------|-----------|----------|
| EQUIPMENT TYPE                            | MFR         | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| Power code                                | I SHENG     | H03VVH2-F    | N/A           | N/A       | N/A      |
| Micro USB Cable                           | RONEVER     | VPC-70       | N/A           | N/A       | N/A      |
| Test Kit                                  | HK CITATION | E322995      | N/A           | N/A       | N/A      |
| Notebook                                  | Lenovo      | L430         | R9-XFG0X      | N/A       | N/A      |

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### 7.2.3 Radiated

| Radiated Emission Test Site: SAC 1 |             |              |               |           |          |
|------------------------------------|-------------|--------------|---------------|-----------|----------|
| EQUIPMENT TYPE                     | MFR         | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| Test Software                      | Audix       | e3           | Ver. 9.210322 | N.C.R     | N.C.R    |
| Notebook                           | Lenovo      | L430         | R9-XFG0X      | N/A       | N/A      |
| Test Kit                           | HK CITATION | E322995      | N/A           | N/A       | N/A      |
| Micro USB Cable                    | RONEVER     | VPC-70       | N/A           | N/A       | N/A      |
| Power cord                         | I SHENG     | H03VVH2-F    | N/A           | N/A       | N/A      |

### 7.2.4 Fully System

| Radiated Emission Test Site: SAC 1   |                |                |                          |           |          |
|--------------------------------------|----------------|----------------|--------------------------|-----------|----------|
| EQUIPMENT TYPE                       | MFR            | MODEL NUMBER   | SERIAL NUMBER            | LAST CAL. | CAL DUE. |
| Test Software                        | Audix          | e3             | Ver. 9.210322            | N.C.R     | N.C.R    |
| Power cord                           | I SHENG        | H03VVH2-F      | N/A                      | N/A       | N/A      |
| AP                                   | TP-LINK        | AD7200         | 2167854000639            | N/A       | N/A      |
| Monitor                              | DELL           | U2413f         | CH-06VNX5-72872-34D-A6YL | N/A       | N/A      |
| Power cord                           | WELL SHIN      | E115330        | N/A                      | N/A       | N/A      |
| Fully Automatic Belt-Drive Turntable | audio-technica | AT-LP60X       | 212882217                | N/A       | N/A      |
| 黑色膠片                                 | audio-technica | 4.71E+12       | N/A                      | N/A       | N/A      |
| Loudspeaker                          | OZAKI          | WR325          | N/A                      | N/A       | N/A      |
| USB Dongle                           | TEAMGROUP      | C175 16GB      | N/A                      | N/A       | N/A      |
| Cat.5e Cable                         | RONEVER        | VPH-02         | 1500021123               | N/A       | N/A      |
| Remote Control                       | JBL            | V1.0.0         | N/A                      | N/A       | N/A      |
| HDMI Cable                           | BENEVO         | BHDMI8010 K    | N/A                      | N/A       | N/A      |
| AUX IN線                              | 深圳市潤鑫成電子有限公司   | RXC徐港-20070803 | N/A                      | N/A       | N/A      |
| 紅白黃AV端子轉AUX                          | I-WIZ          | AD-35          | N/A                      | N/A       | N/A      |

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## 8 電源線傳導干擾之量測

### 8.1 適用標準

依據NCC低功率射頻器材技術規範3.3節之要求。

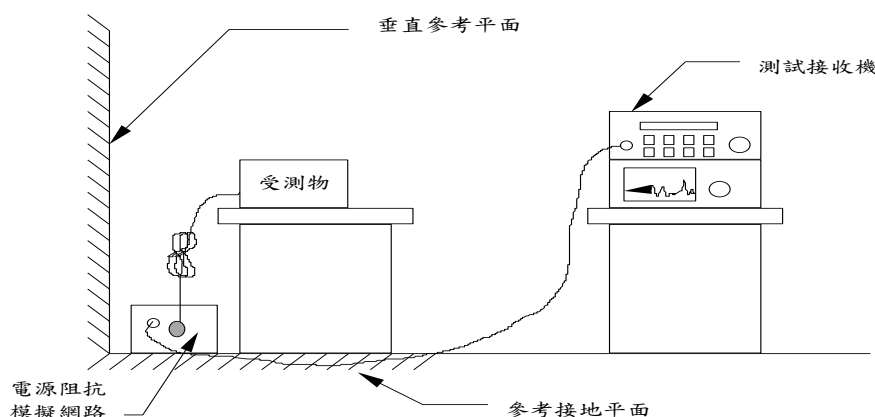
### 8.2 測試方法

將待測物置於0.8米高的非金屬桌面，使其在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由 0.15MHz 至 30MHz 之間之電源線傳導放射強度的峰值量側(Peak)並提供掃描圖，Mark 最大的六個頻率點進行準峰值量測(QP),如果準峰值QP結果值已低於AV限制值時將不再進行AV值的量測。

### 8.3 量測儀器

| AC Power-Line Conducted Emission Test Site: Conduction 1 |             |               |               |            |            |
|----------------------------------------------------------|-------------|---------------|---------------|------------|------------|
| EQUIPMENT TYPE                                           | MFR         | MODEL NUMBER  | SERIAL NUMBER | LAST CAL.  | CAL DUE.   |
| LISN                                                     | SCHWARZBECK | NSLK 8127     | 1040          | 08/10/2021 | 08/09/2022 |
| Coaxial Cables                                           | N/A         | Coaxial Cable | 161207        | 12/07/2021 | 12/06/2022 |
| EMI Test Receiver                                        | R&S         | ESCI 7        | 100759        | 08/26/2021 | 08/25/2022 |

### 8.4 測試配置



### 8.5 干擾值之計算

電源傳導干擾電壓之計算公式如下

結果值 = 儀器讀值(QP/AV) + 校正因子

其中校正因子為：

饋線損失 + 電源阻抗模擬網路損失

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## 8.6 傳導干擾之量測結果

Report Number :ER/2021/C0038

Test Site :Conduction 1

Test Mode :Operation

Test Date :2022-01-07

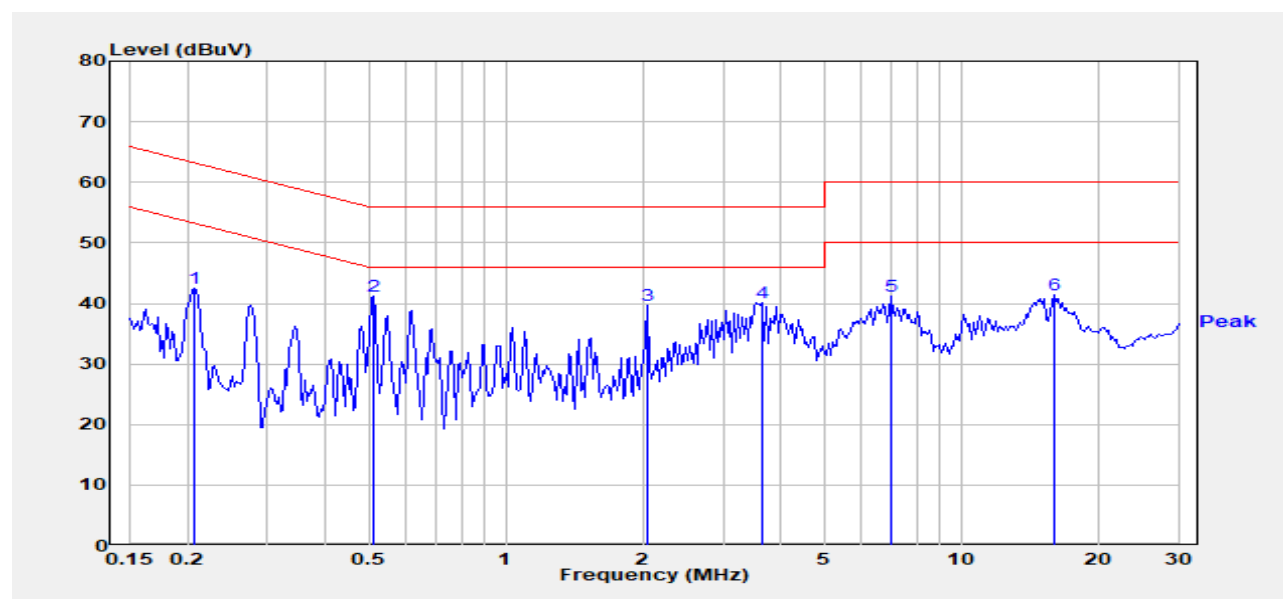
Power :110V/60Hz

Temp./Humi. :23.6/63

Probe :L

Engineer :GN Lin

Note: :



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V | Limit<br>dB $\mu$ V | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|----------------------------|---------------------|--------------|
| 0.206        | Peak                         | 42.45                                   | 0.02         | 42.47                      | 63.36               | -20.89       |
| 0.513        | Peak                         | 41.06                                   | 0.12         | 41.18                      | 56.00               | -14.82       |
| 2.055        | Peak                         | 39.45                                   | 0.18         | 39.63                      | 56.00               | -16.37       |
| 3.642        | Peak                         | 39.44                                   | 0.71         | 40.15                      | 56.00               | -15.85       |
| 7.025        | Peak                         | 40.73                                   | 0.47         | 41.20                      | 60.00               | -18.80       |
| 16.055       | Peak                         | 41.00                                   | 0.37         | 41.36                      | 60.00               | -18.64       |

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Report Number :ER/2021/C0038

Test Site :Conduction 1

Test Mode :Operation

Test Date :2022-01-07

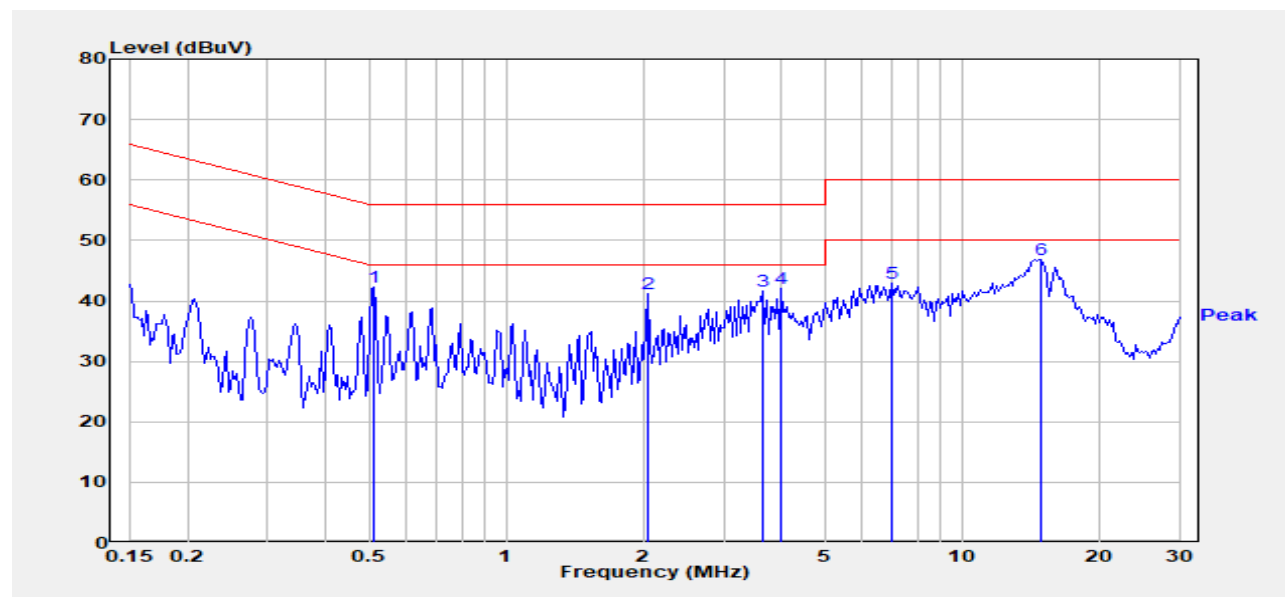
Power :110V/60Hz

Temp./Humi. :23.6/63

Probe :N

Engineer :GN Lin

Note: :



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV | Limit<br>dBμV | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|----------------------|---------------|--------------|
| 0.513        | Peak                         | 40.10                             | 2.12         | 42.22                | 56.00         | -13.78       |
| 2.055        | Peak                         | 39.04                             | 2.15         | 41.19                | 56.00         | -14.81       |
| 3.642        | Peak                         | 39.54                             | 2.18         | 41.72                | 56.00         | -14.28       |
| 4.006        | Peak                         | 39.95                             | 2.18         | 42.13                | 56.00         | -13.87       |
| 7.025        | Peak                         | 40.67                             | 2.24         | 42.91                | 60.00         | -17.09       |
| 14.907       | Peak                         | 44.57                             | 2.30         | 46.88                | 60.00         | -13.12       |

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## 9 26DB & 6DB 頻寬之測試

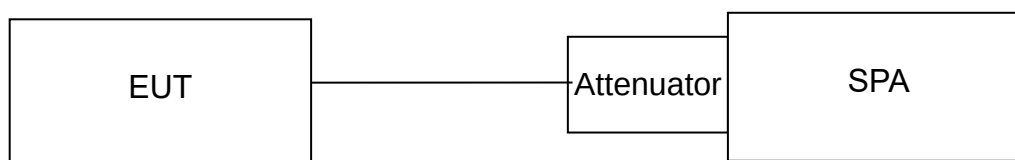
### 9.1 適用標準

- (1) 5.15 GHz~5.25 GHz、5.25 GHz~5.35 GHz 及 5.47 GHz~5.725 GHz 頻段，  
測試 26 dB 發射頻寬
- (2) 在 5.725 GHz~5.850 GHz 頻段操作之設備，其 6 dB 頻寬至少應有 500 kHz。

### 9.2 量測儀器

| Conducted Emission Test Site: Conducted 2 |               |                     |               |            |            |
|-------------------------------------------|---------------|---------------------|---------------|------------|------------|
| EQUIPMENT TYPE                            | MFR           | MODEL NUMBER        | SERIAL NUMBER | LAST CAL.  | CAL DUE.   |
| EXA Spectrum Analyzer                     | KEYSIGHT      | N9010B              | MY60240503    | 12/09/2021 | 12/08/2022 |
| Test Software                             | SGS           | Radio Test Software | Ver. 21       | N.C.R      | N.C.R      |
| Power Meter                               | Anritsu       | ML2496A             | 1804001       | 03/02/2021 | 03/01/2022 |
| Power Sensor                              | Anritsu       | MA2411B             | 1726104       | 03/02/2021 | 03/01/2022 |
| Power Sensor                              | Anritsu       | MA2411B             | 1726107       | 03/02/2021 | 03/01/2022 |
| Attenuator                                | Mini-Circuit  | BW-S10W2+           | 4             | 12/14/2021 | 12/13/2022 |
| DC Block                                  | Mini-Circuits | BLK-18-S+           | 1             | 12/14/2021 | 12/13/2022 |
| Notebook                                  | Lenovo        | L430                | R9-XFG0X      | N/A        | N/A        |

### 9.3 測試配置



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#### 9.4 量測方法

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the Antenna port to the spectrum analyzer.
  - a. 26dB Band width Measurement: Set the spectrum analyzer as 1% of emission  
BW Sweep=auto,  
Detector = Peak,  
Trace Mode = Max Hold,  
Manually readjust RBW until the RBW/EBW ratio is 1% based on EBW as observed on the result of pre-sequence measurement.
  - b. Mark the peak frequency and -26dB (upper and lower) frequency.
4. Repeat the procedures as list above until all test default channels (low, middle, and high) are completed.
5. Minimum Emission Bandwidth for the band 5.725-5.850GHz.
  - a. Set the spectrum analyzer as  
RBW = 100 kHz,  
VBW = 3\*RBW,  
Span = large enough to capture all products of the modulation process,  
Detector=Peak,  
Sweep=auto
  - b. Mark the peak frequency and -6dB (upper and lower) frequency.
6. Repeat above procedures until all frequency of interest measured was complete.

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## 9.5 量測結果

802.11a\_Ch0

| Freq.<br>(MHz) | 26dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|---------------------|--------------------|
| 5180           | 21.07               | 13.240             |
| 5220           | 21.28               | 13.280             |
| 5240           | 20.75               | 13.170             |
| 5260           | 21.09               | 13.240             |
| 5300           | 20.87               | 13.200             |
| 5320           | 21.00               | 13.220             |
| 5500           | 20.85               | 13.190             |
| 5580           | 20.92               | 13.210             |
| 5700           | 21.03               | 13.230             |

802.11a\_Ch0

| Freq.<br>(MHz) | 6dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|--------------------|--------------------|
| 5745           | 16.33              | 12.130             |
| 5785           | 16.40              | 12.150             |
| 5825           | 16.34              | 12.130             |

802.11a\_Ch0

| Freq.<br>(MHz) | Measured<br>Freq.<br>(MHz) | Limit<br>(MHz) |
|----------------|----------------------------|----------------|
| 5240           | 5248.36                    | < 5250         |
| 5745           | 5736.83                    | > 5725         |

802.11n\_HT20\_Ch0

| Freq.<br>(MHz) | 26dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|---------------------|--------------------|
| 5180           | 21.24               | 13.270             |
| 5220           | 20.98               | 13.220             |
| 5240           | 21.22               | 13.270             |
| 5260           | 21.54               | 13.330             |
| 5300           | 21.16               | 13.260             |
| 5320           | 21.25               | 13.270             |
| 5500           | 21.71               | 13.370             |
| 5580           | 25.76               | 14.110             |
| 5700           | 21.43               | 13.310             |

802.11n\_HT20\_Ch0

| Freq.<br>(MHz) | 6dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|--------------------|--------------------|
| 5745           | 17.59              | 12.450             |
| 5785           | 17.57              | 12.450             |
| 5825           | 17.62              | 12.460             |

802.11n\_HT20\_Ch0

| Freq.<br>(MHz) | Measured<br>Freq.<br>(MHz) | Limit<br>(MHz) |
|----------------|----------------------------|----------------|
| 5240           | 5248.85                    | < 5250         |
| 5745           | 5736.15                    | > 5725         |

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802.11n\_HT20\_Ch1

| Freq.<br>(MHz) | 26dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|---------------------|--------------------|
| 5180           | 21.13               | 13.250             |
| 5220           | 20.94               | 13.210             |
| 5240           | 21.09               | 13.240             |
| <b>5260</b>    | 21.02               | 13.230             |
| 5300           | 21.30               | 13.280             |
| 5320           | 21.36               | 13.300             |
| 5500           | 21.26               | 13.280             |
| <b>5580</b>    | 21.31               | 13.290             |
| 5700           | 21.22               | 13.270             |

802.11n\_HT20\_Ch1

| Freq.<br>(MHz) | 6dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|--------------------|--------------------|
| 5745           | 17.63              | 12.460             |
| 5785           | 17.60              | 12.460             |
| 5825           | 17.61              | 12.460             |

802.11n\_HT20\_Ch1

| Freq.<br>(MHz) | Measured<br>Freq.<br>(MHz) | Limit<br>(MHz) |
|----------------|----------------------------|----------------|
| 5240           | 5248.89                    | < 5250         |
| 5745           | 5736.18                    | > 5725         |

802.11n\_HT40\_Ch0

| Freq.<br>(MHz) | 26dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|---------------------|--------------------|
| 5190           | 39.78               | 16.000             |
| 5230           | 39.82               | 16.000             |
| 5270           | 43.81               | 16.420             |
| <b>5310</b>    | 39.53               | 15.970             |
| 5510           | 39.75               | 15.990             |
| 5550           | <b>39.41</b>        | 15.960             |
| 5670           | 39.46               | 15.960             |

802.11n\_HT40\_Ch0

| Freq.<br>(MHz) | 6dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|--------------------|--------------------|
| 5755           | 36.34              | 15.600             |
| 5795           | 35.79              | 15.540             |

802.11n\_HT40\_Ch0

| Freq.<br>(MHz) | Measured<br>Freq.<br>(MHz) | Limit<br>(MHz) |
|----------------|----------------------------|----------------|
| 5230           | 5248.06                    | < 5250         |
| 5755           | 5736.93                    | > 5725         |

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802.11n\_HT40\_Ch1

| Freq.<br>(MHz) | 26dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|---------------------|--------------------|
| 5190           | 39.17               | 15.930             |
| 5230           | 39.25               | 15.940             |
| 5270           | 39.23               | 15.940             |
| <b>5310</b>    | 39.25               | 15.940             |
| 5510           | 39.22               | 15.940             |
| 5550           | <b>39.44</b>        | 15.960             |
| 5670           | 39.07               | 15.920             |

802.11n\_HT40\_Ch1

| Freq.<br>(MHz) | 6dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|--------------------|--------------------|
| 5755           | 36.34              | 15.600             |
| 5795           | 35.31              | 15.480             |

802.11n\_HT40\_Ch1

| Freq.<br>(MHz) | Measured<br>Freq.<br>(MHz) | Limit<br>(MHz) |
|----------------|----------------------------|----------------|
| 5230           | 5248.03                    | < 5250         |
| 5755           | 5736.92                    | > 5725         |

802.11ac\_VHT80\_Ch0

| Freq.<br>(MHz) | 26dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|---------------------|--------------------|
| 5210           | 80.46               | 19.060             |
| 5290           | 80.39               | 19.050             |
| <b>5530</b>    | 80.64               | 19.070             |
| 5610           | 80.75               | 19.070             |

802.11ac\_VHT80\_Ch0

| Freq.<br>(MHz) | 6dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|--------------------|--------------------|
| 5775           | 75.26              | 18.770             |

802.11ac\_VHT80\_Ch0

| Freq.<br>(MHz) | Measured<br>Freq.<br>(MHz) | Limit<br>(MHz) |
|----------------|----------------------------|----------------|
| 5210           | 5247.70                    | < 5250         |
| 5775           | 5737.29                    | > 5725         |

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## 802.11ac\_VHT80\_Ch1

| Freq.<br>(MHz) | 26dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|---------------------|--------------------|
| 5210           | 80.84               | 19.080             |
| 5290           | 80.46               | 19.060             |
| <b>5530</b>    | 81.02               | 19.090             |
| 5610           | 80.54               | 19.060             |

## 802.11ac\_VHT80\_Ch1

| Freq.<br>(MHz) | 6dB<br>BW<br>(MHz) | 10 Log (B)<br>(dB) |
|----------------|--------------------|--------------------|
| 5775           | 75.21              | 18.760             |

## 802.11ac\_VHT80\_Ch1

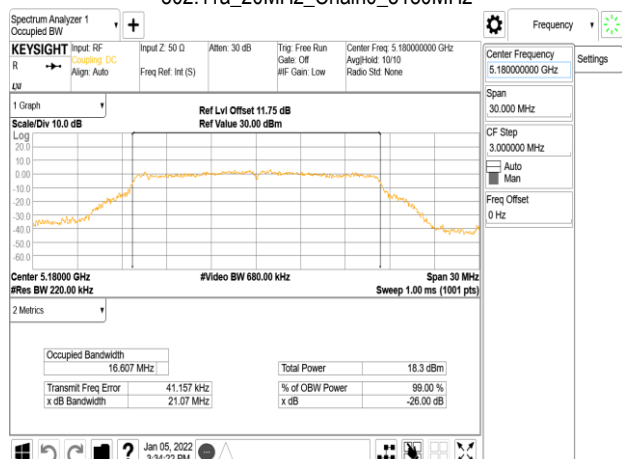
| Freq.<br>(MHz) | Measured<br>Freq.<br>(MHz) | Limit<br>(MHz) |
|----------------|----------------------------|----------------|
| 5210           | 5247.67                    | < 5250         |
| 5775           | 5737.30                    | > 5725         |

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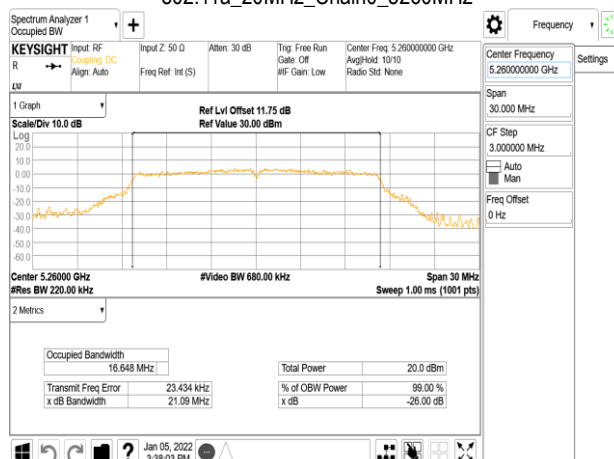
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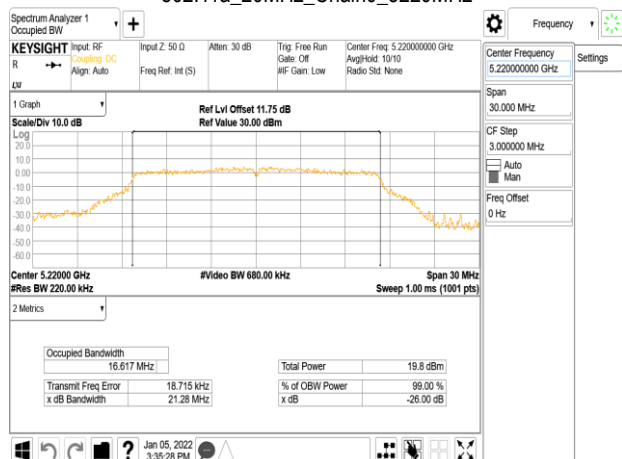
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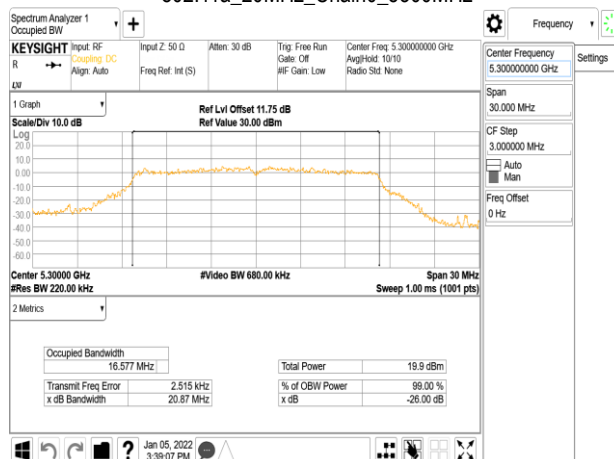
802.11a\_20MHz\_Chain0\_5260MHz



802.11a\_20MHz\_Chain0\_5220MHz



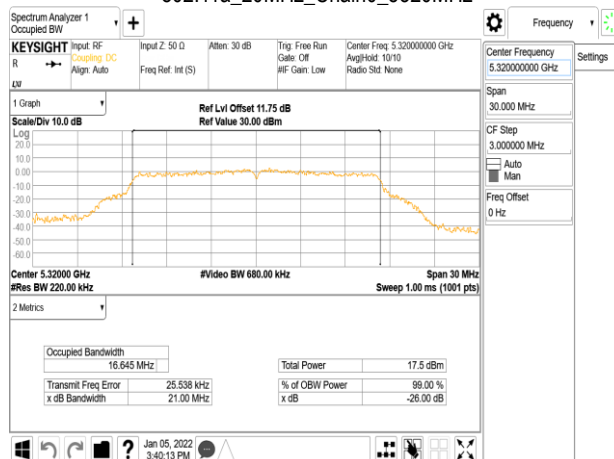
802.11a\_20MHz\_Chain0\_5300MHz



802.11a\_20MHz\_Chain0\_5240MHz



802.11a\_20MHz\_Chain0\_5320MHz

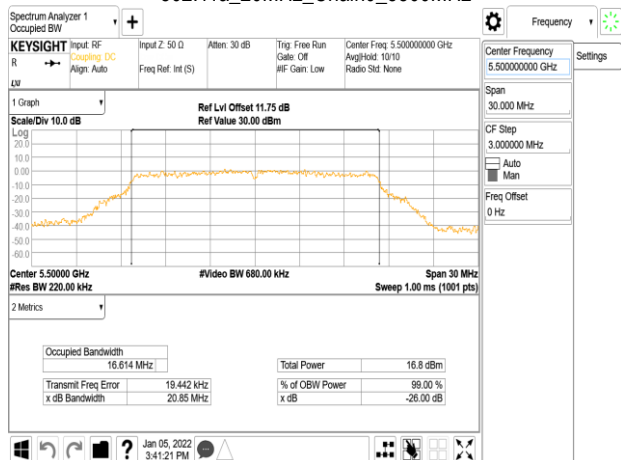


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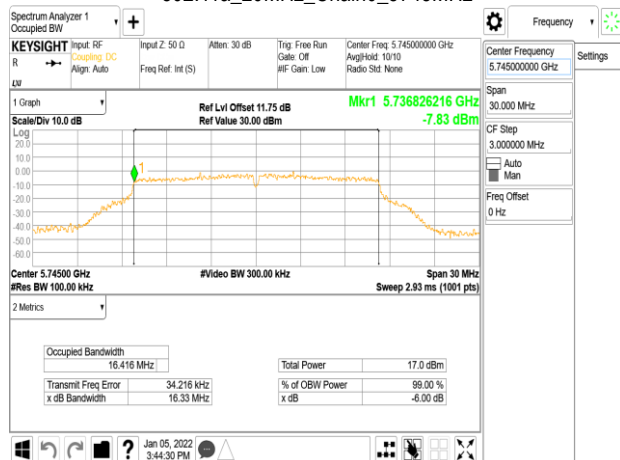
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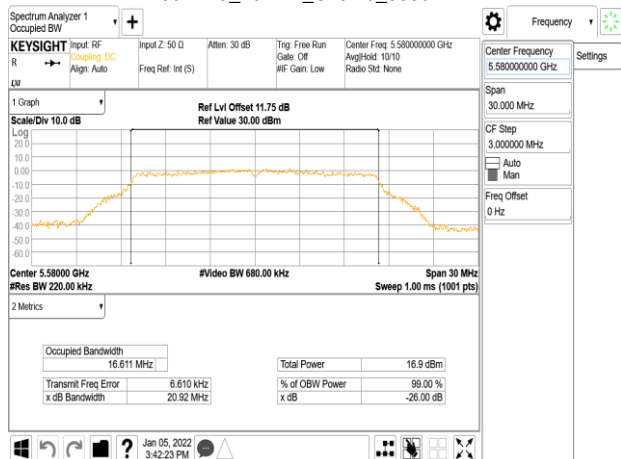
802.11a\_20MHz\_Chain0\_5500MHz



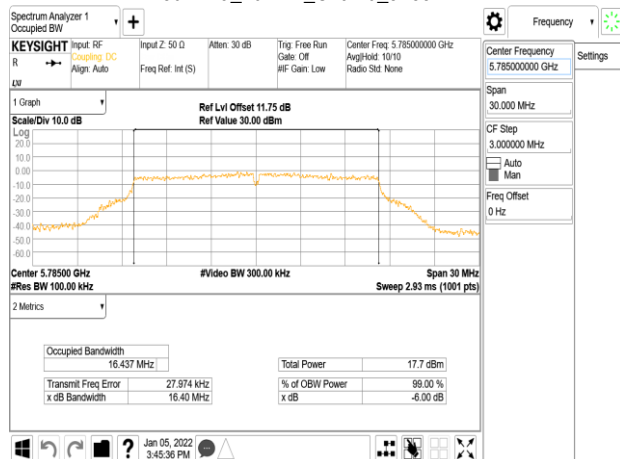
802.11a\_20MHz\_Chain0\_5745MHz



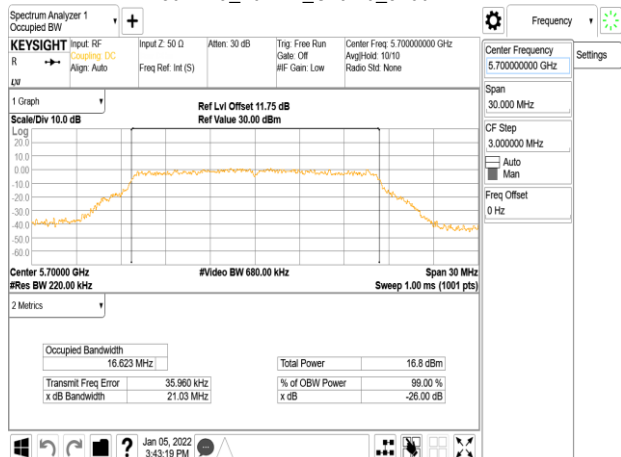
802.11a\_20MHz\_Chain0\_5580MHz



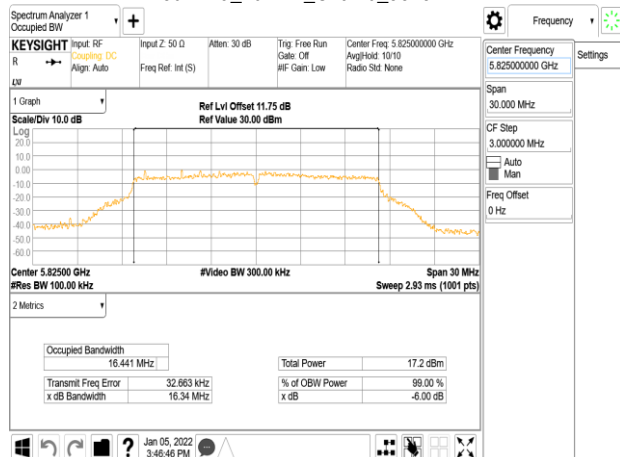
802.11a\_20MHz\_Chain0\_5785MHz



802.11a\_20MHz\_Chain0\_5700MHz



802.11a\_20MHz\_Chain0\_5825MHz

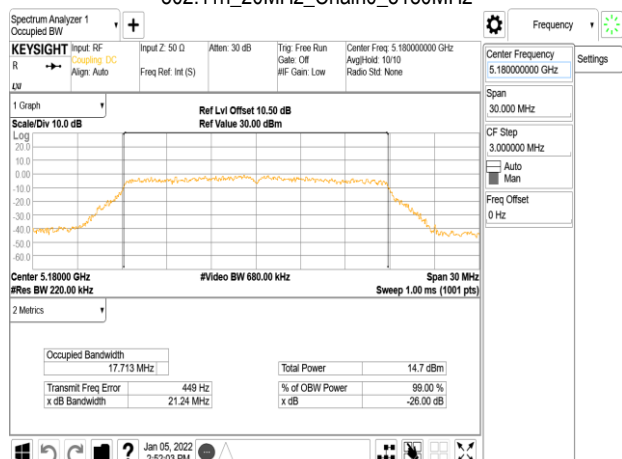


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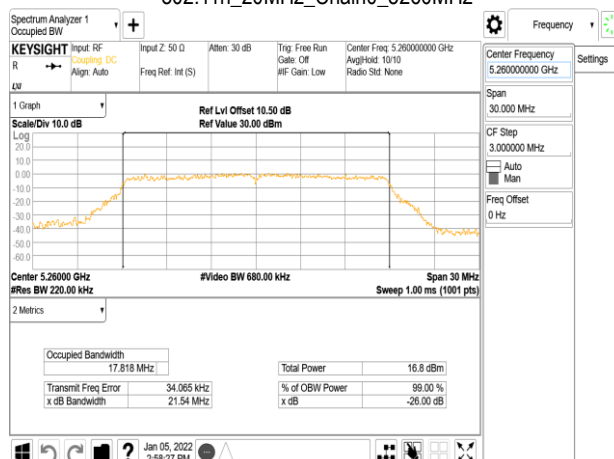
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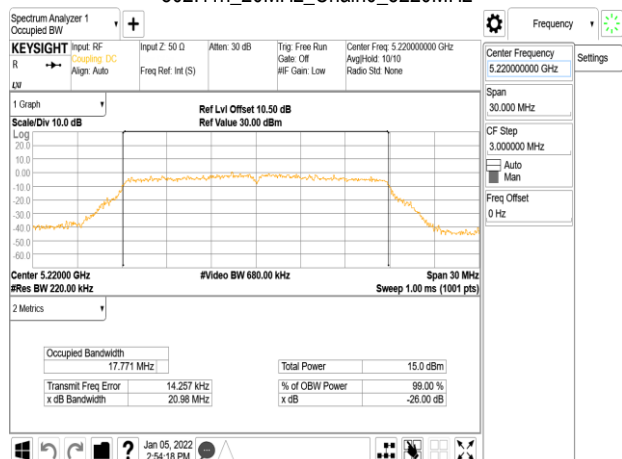
802.11n\_20MHz\_Chain0\_5180MHz



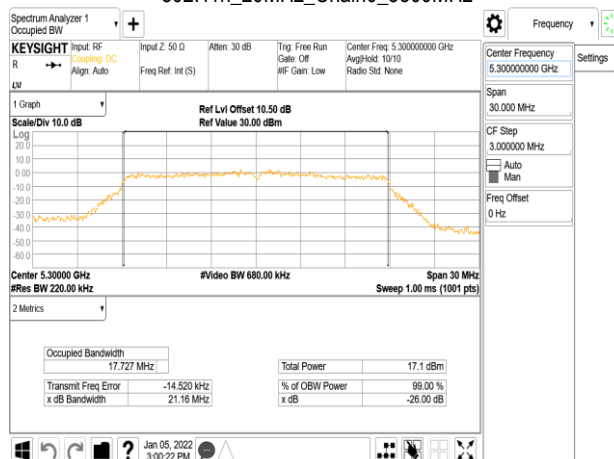
802.11n\_20MHz\_Chain0\_5260MHz



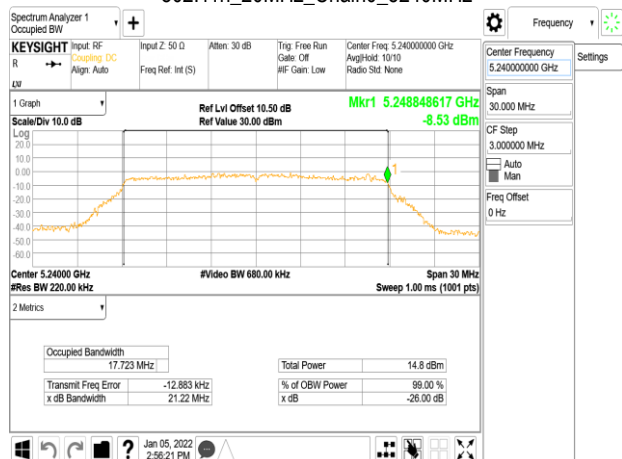
802.11n\_20MHz\_Chain0\_5220MHz



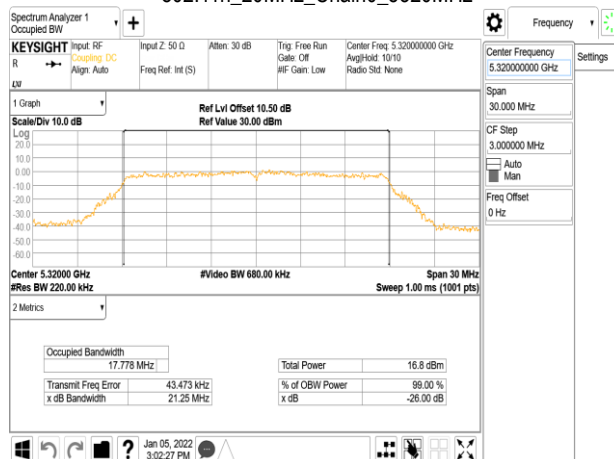
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802.11n\_20MHz\_Chain0\_5240MHz



802.11n\_20MHz\_Chain0\_5320MHz

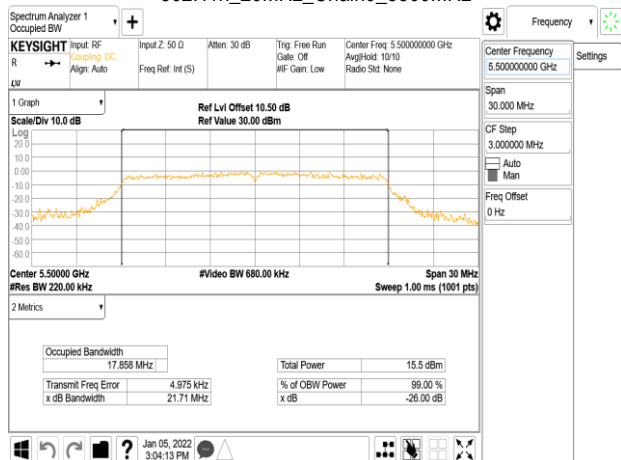


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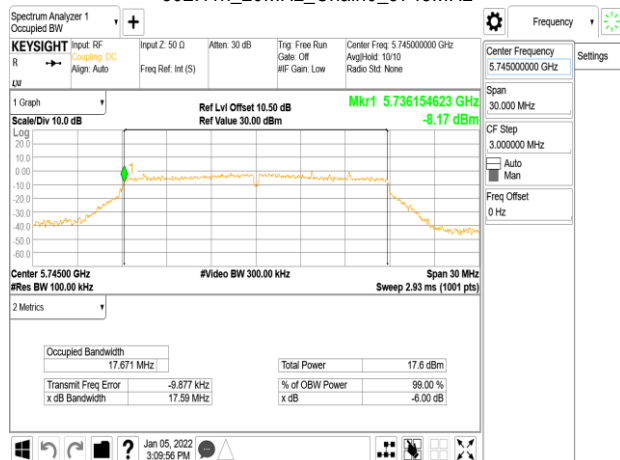
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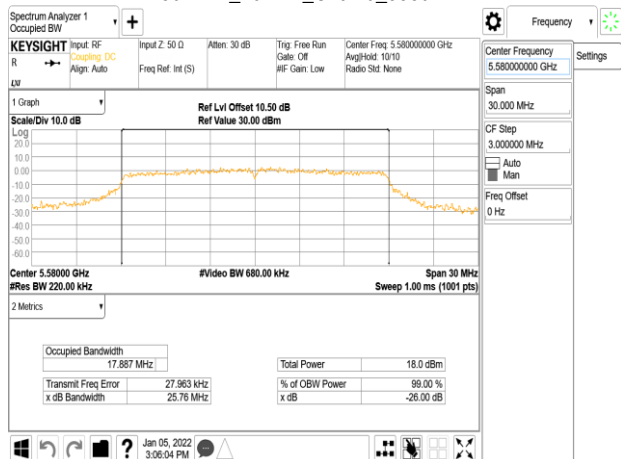
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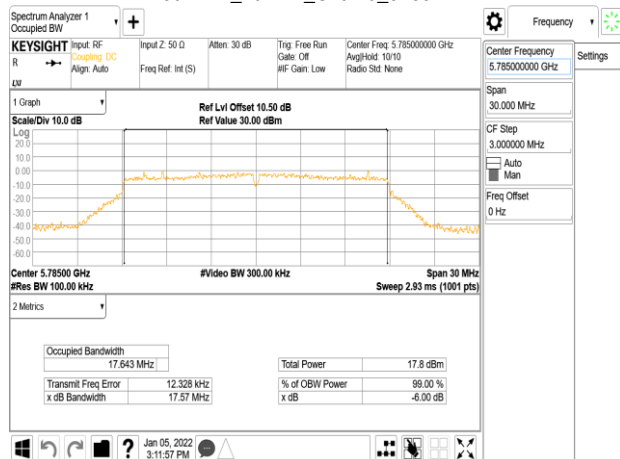
802.11n\_20MHz\_Chain0\_5745MHz



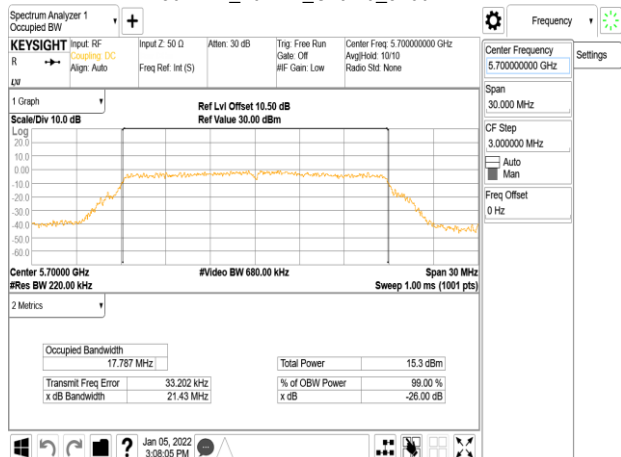
802.11n\_20MHz\_Chain0\_5580MHz



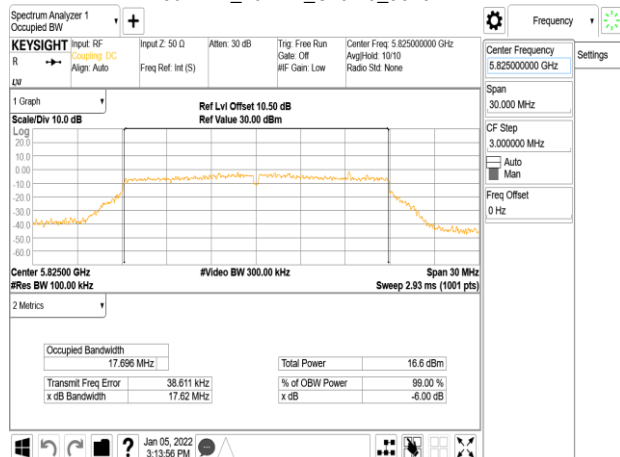
802.11n\_20MHz\_Chain0\_5785MHz



802.11n\_20MHz\_Chain0\_5700MHz



802.11n\_20MHz\_Chain0\_5825MHz

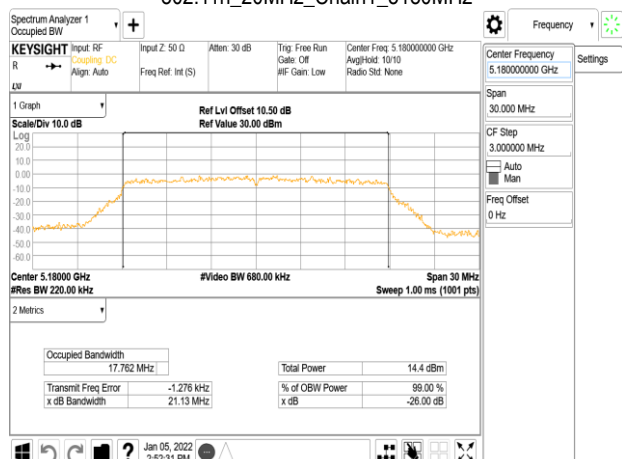


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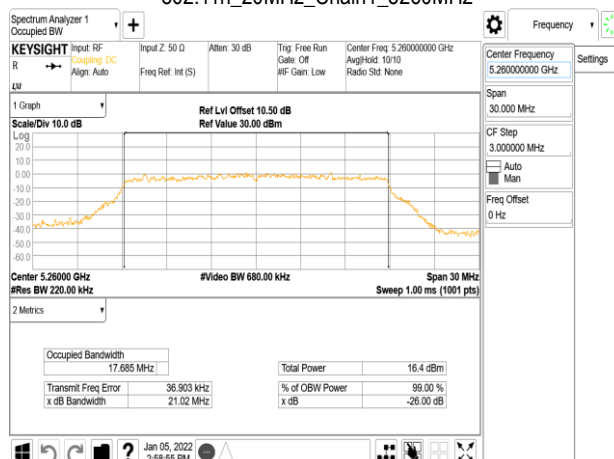
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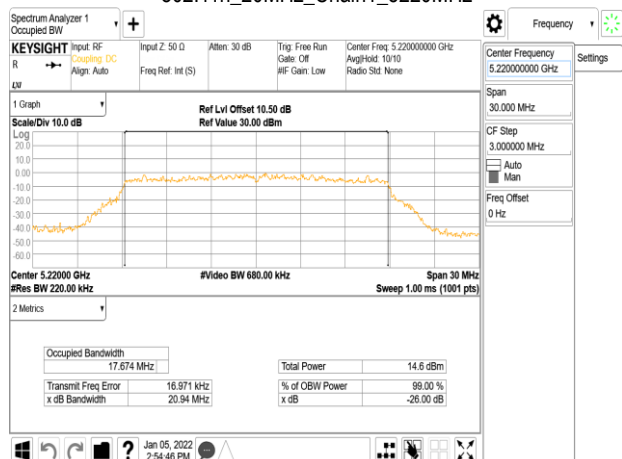
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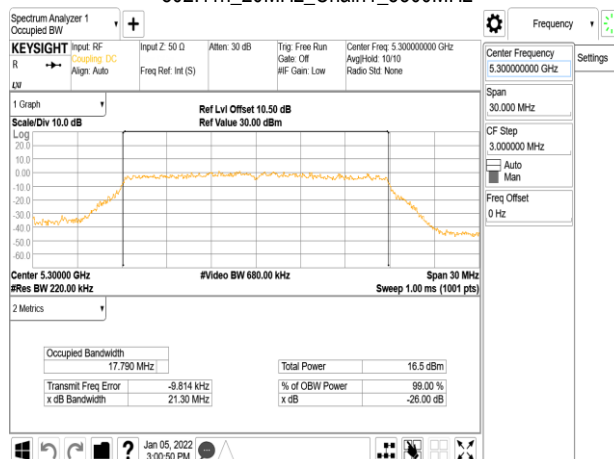
802.11n\_20MHz\_Chain1\_5260MHz



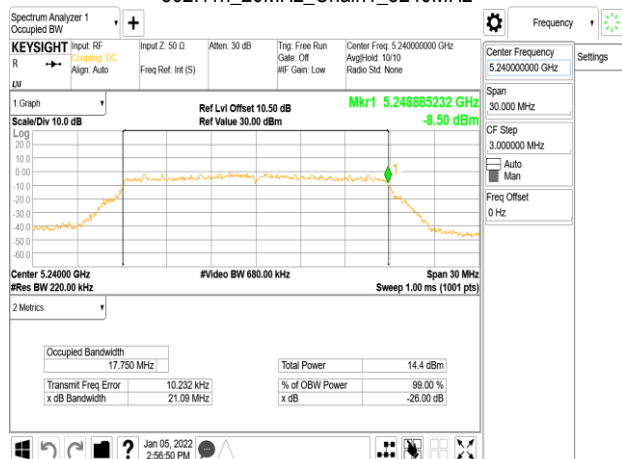
802.11n\_20MHz\_Chain1\_5220MHz



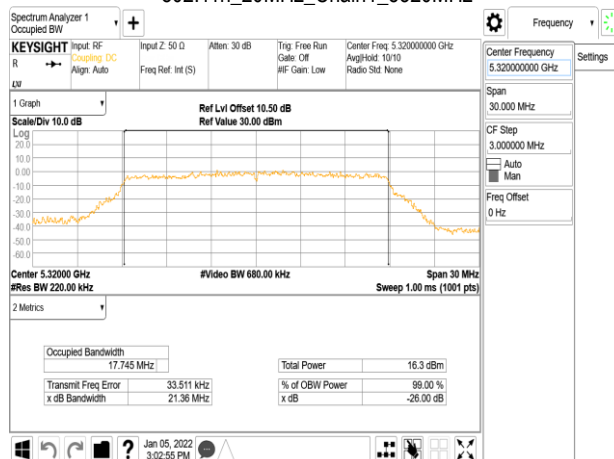
802.11n\_20MHz\_Chain1\_5300MHz



802.11n\_20MHz\_Chain1\_5240MHz



802.11n\_20MHz\_Chain1\_5320MHz

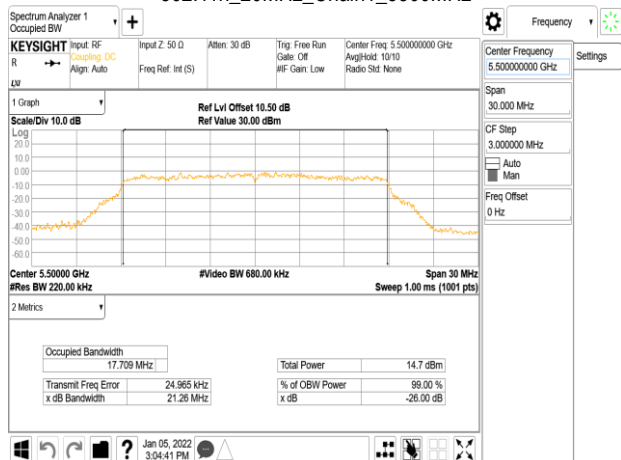


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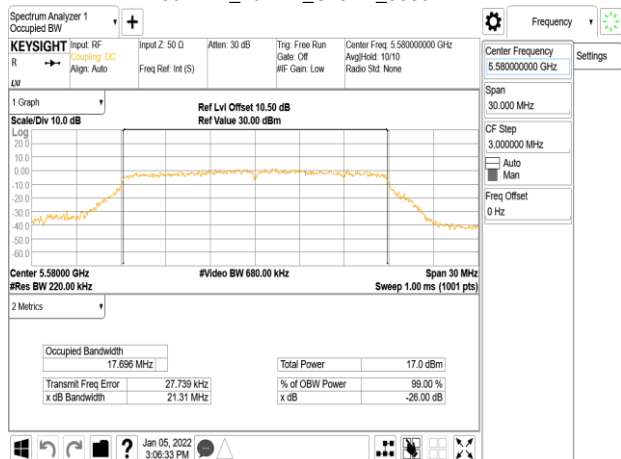
802.11n\_20MHz\_Chain1\_5500MHz



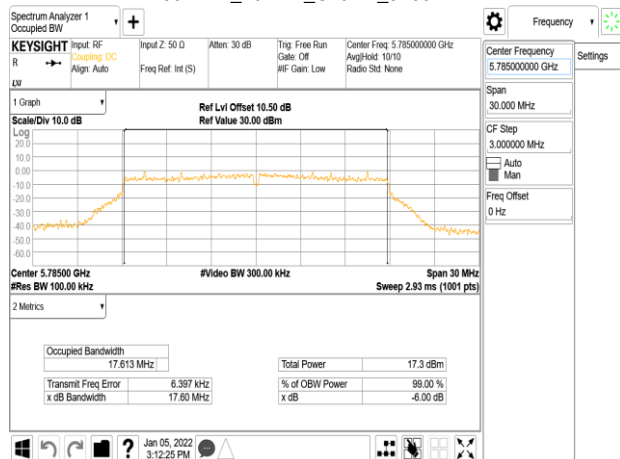
802.11n\_20MHz\_Chain1\_5745MHz



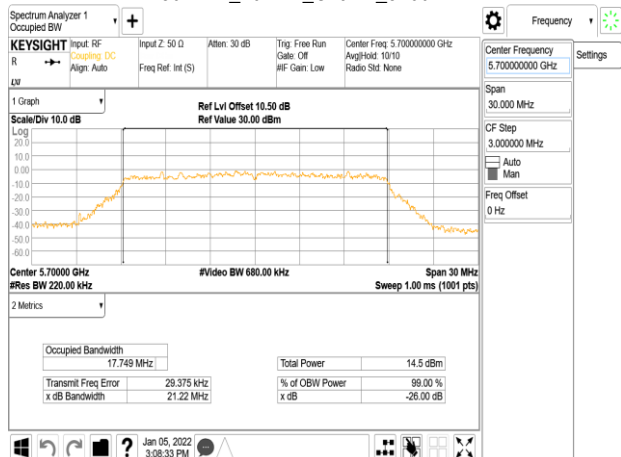
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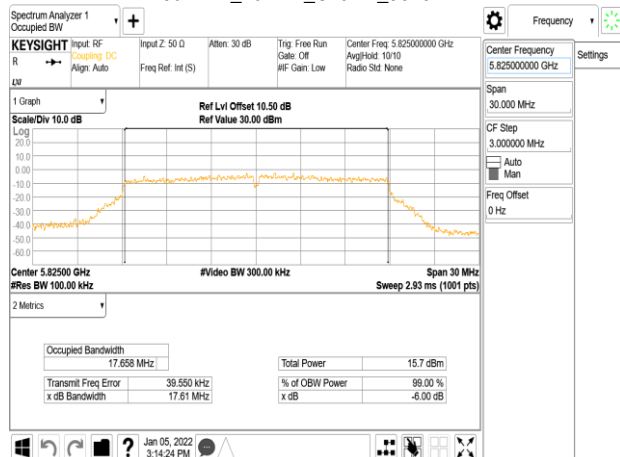
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802.11n\_20MHz\_Chain1\_5700MHz



802.11n\_20MHz\_Chain1\_5825MHz

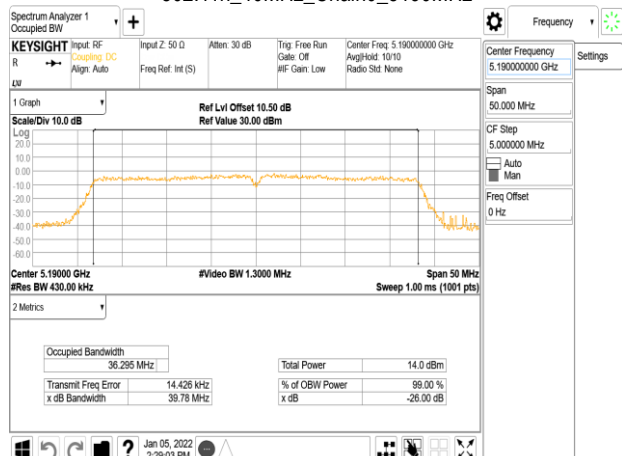


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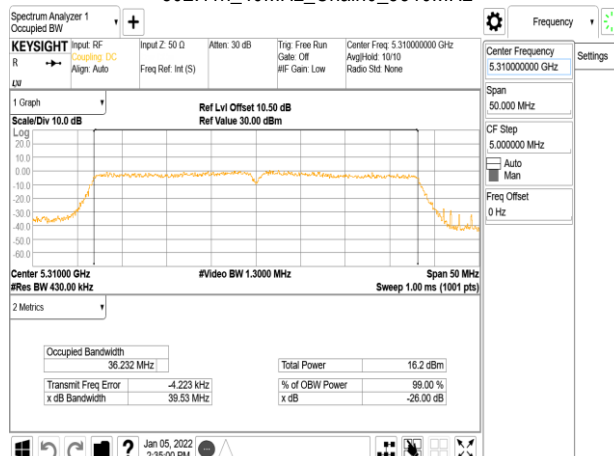
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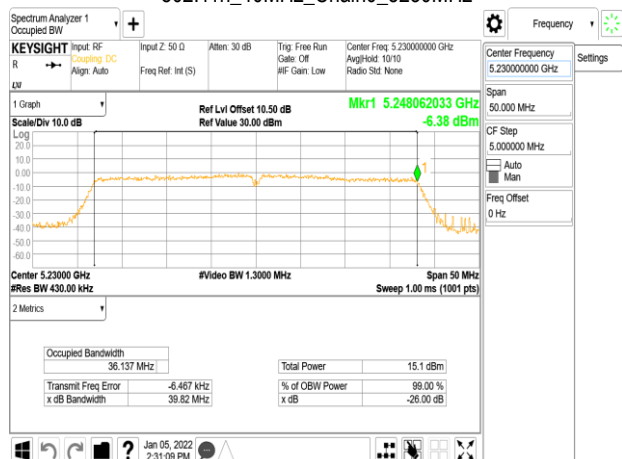
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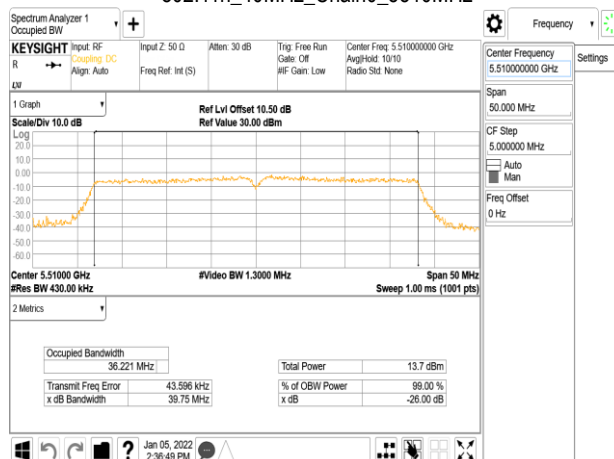
802.11n\_40MHz\_Chain0\_5310MHz



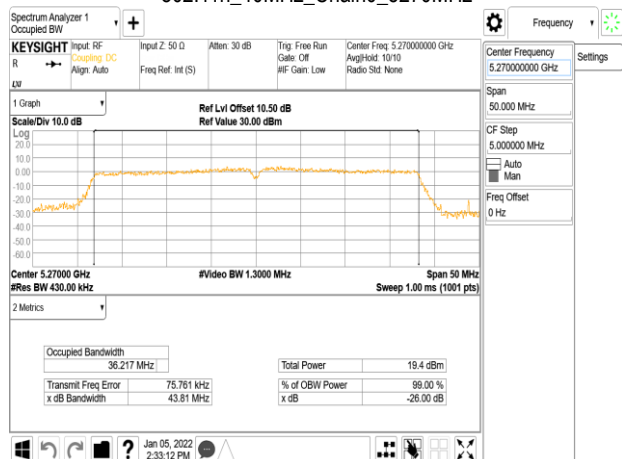
802.11n\_40MHz\_Chain0\_5230MHz



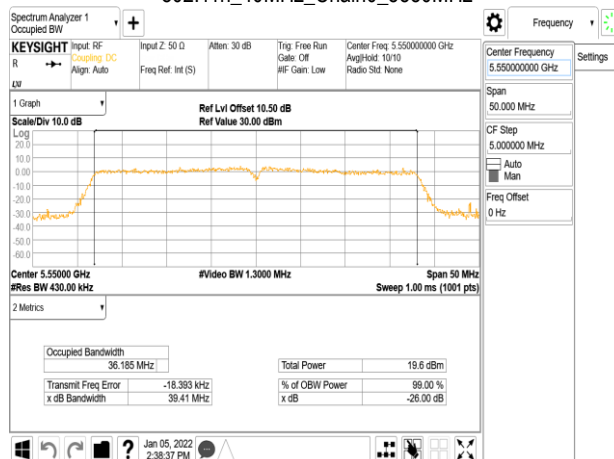
802.11n\_40MHz\_Chain0\_5510MHz



802.11n\_40MHz\_Chain0\_5270MHz



802.11n\_40MHz\_Chain0\_5550MHz

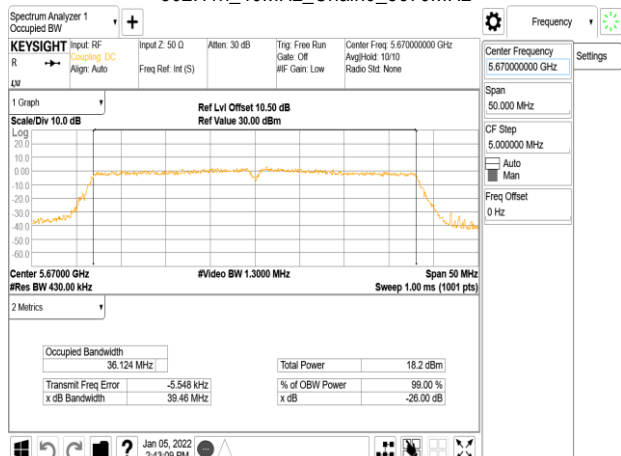


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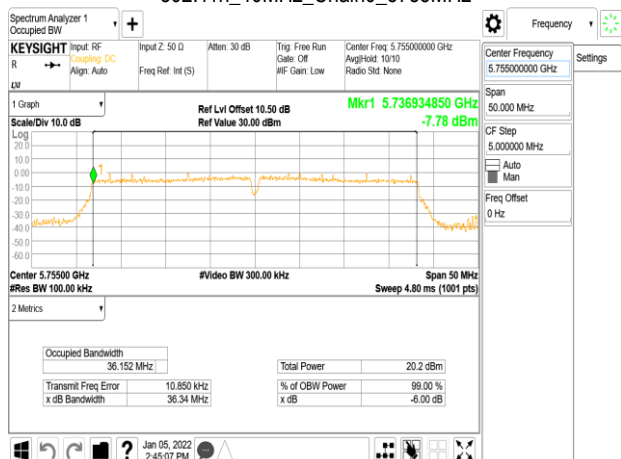
802.11n\_40MHz\_Chain0\_5670MHz



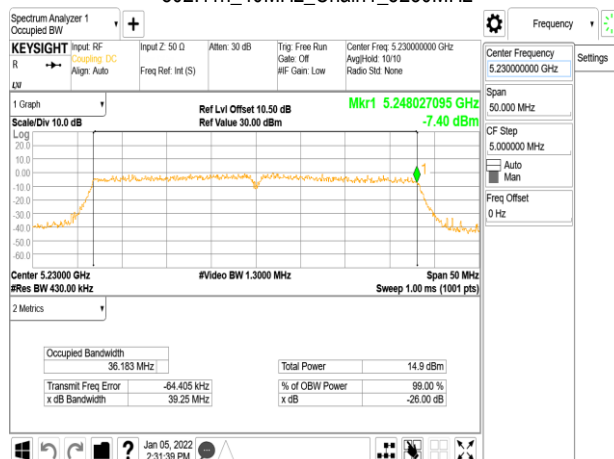
802.11n\_40MHz\_Chain1\_5190MHz



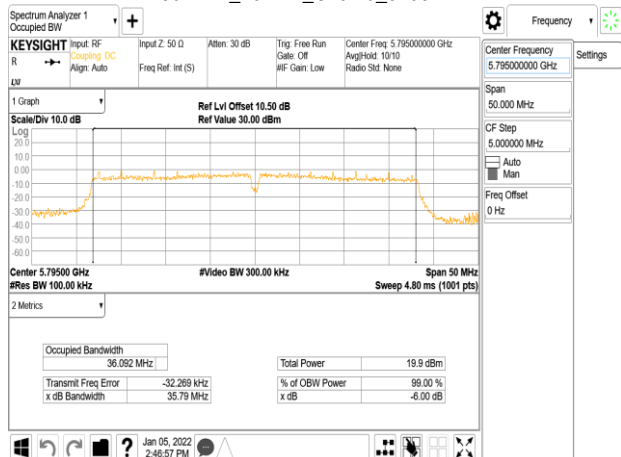
802.11n\_40MHz\_Chain0\_5755MHz



802.11n\_40MHz\_Chain1\_5230MHz



802.11n\_40MHz\_Chain0\_5795MHz



802.11n\_40MHz\_Chain1\_5270MHz

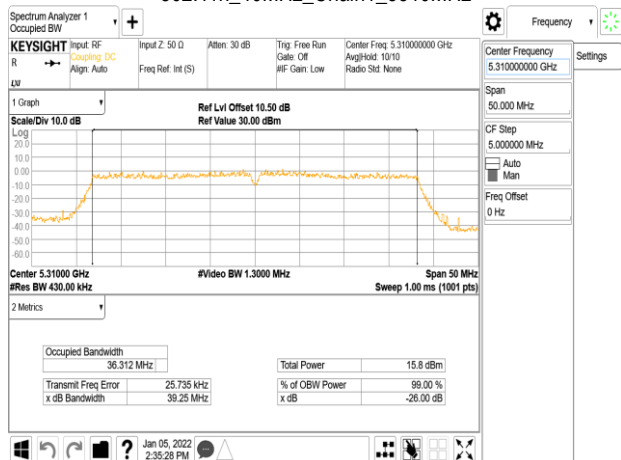


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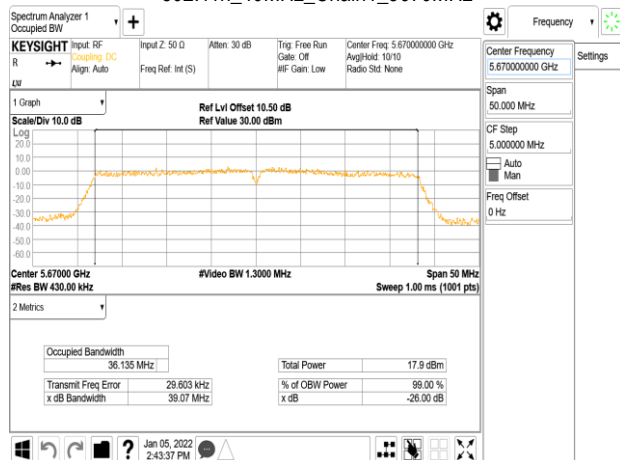
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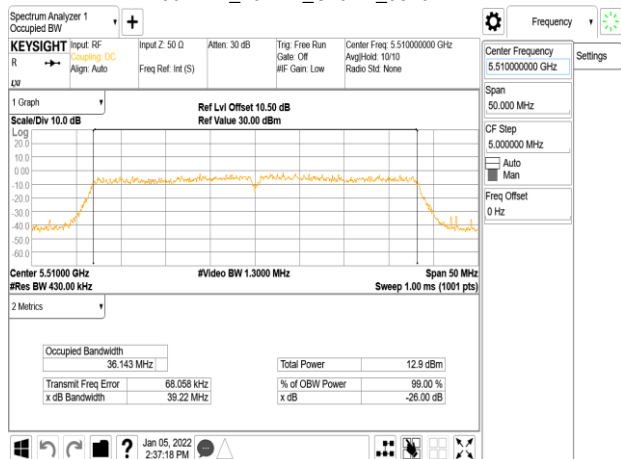
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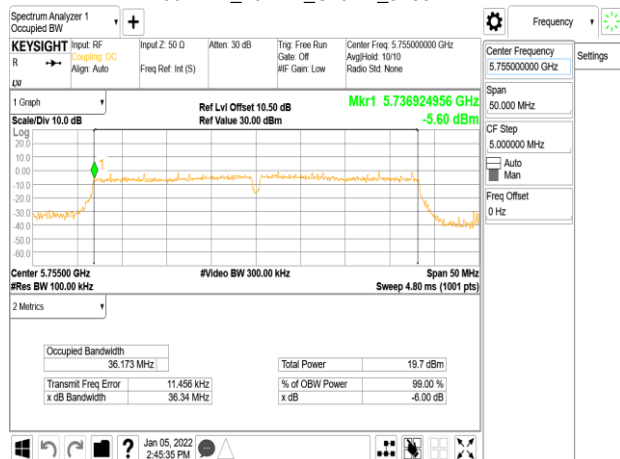
802.11n\_40MHz\_Chain1\_5670MHz



802.11n\_40MHz\_Chain1\_5510MHz



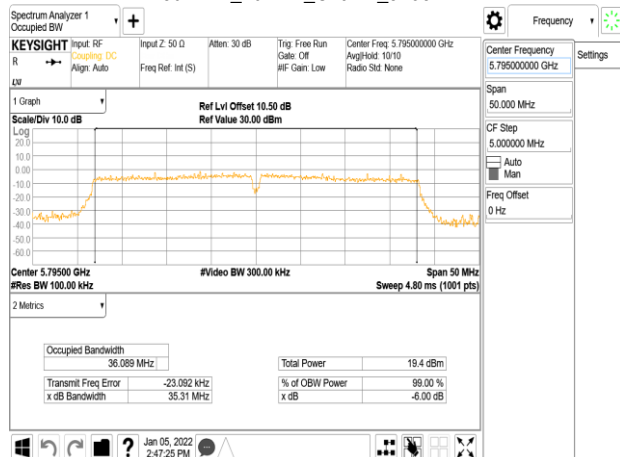
802.11n\_40MHz\_Chain1\_5755MHz



802.11n\_40MHz\_Chain1\_5550MHz



802.11n\_40MHz\_Chain1\_5795MHz



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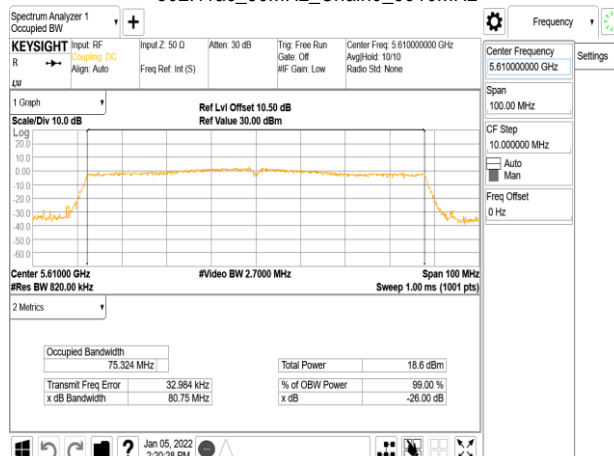
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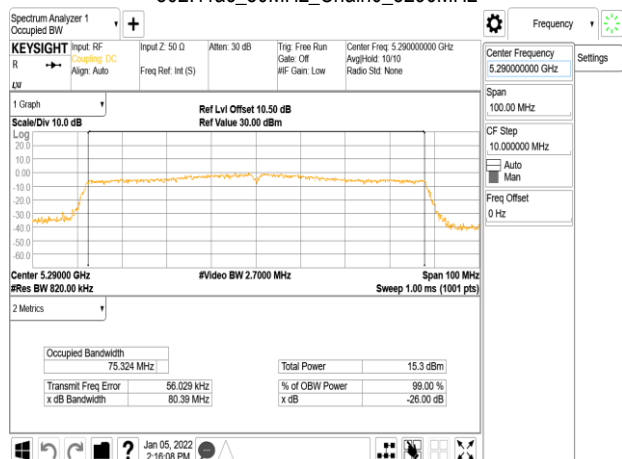
802.11ac\_80MHz\_Chain0\_5210MHz



802.11ac\_80MHz\_Chain0\_5610MHz



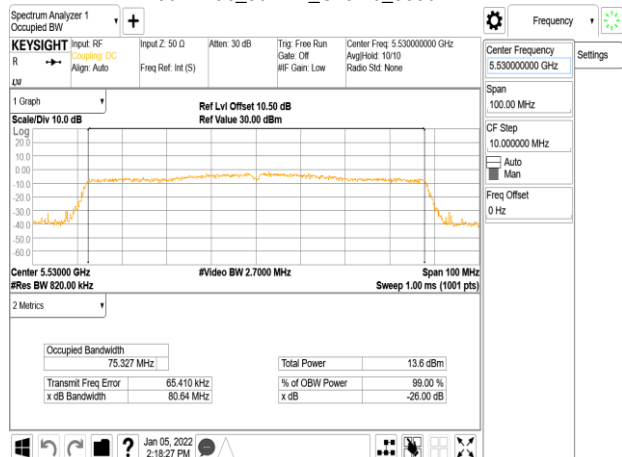
802.11ac\_80MHz\_Chain0\_5290MHz



802.11ac\_80MHz\_Chain0\_5775MHz



802.11ac\_80MHz\_Chain0\_5530MHz



802.11ac\_80MHz\_Chain1\_5210MHz

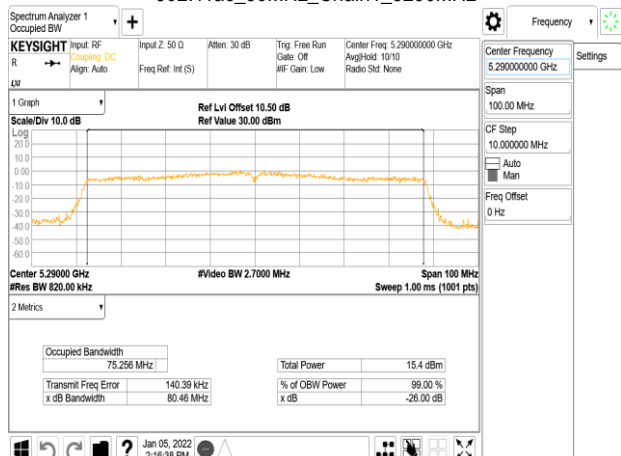


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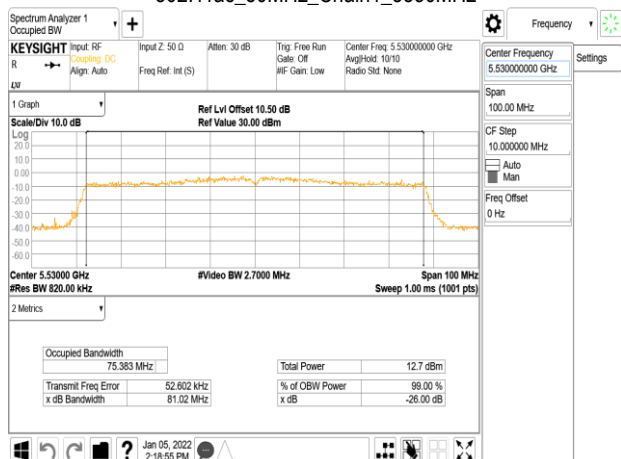
802.11ac\_80MHz\_Chain1\_5290MHz



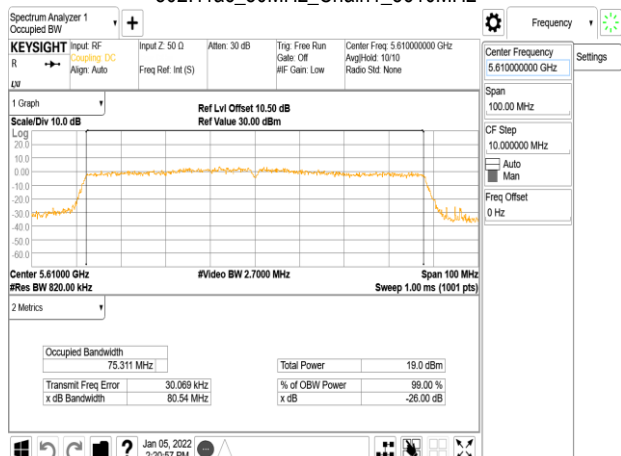
802.11ac\_80MHz\_Chain1\_5775MHz



802.11ac\_80MHz\_Chain1\_5530MHz



802.11ac\_80MHz\_Chain1\_5610MHz



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## 10 輸出峰值功率之量測

## 10.1 適用標準

## 10.1.1 載波頻率工作週期

在進行功率測量前，應檢查每種模式的工作週期以補償工作週期校正因子 (Duty Factor)。

## 10.1.2 輸出峰值功率

依據NCC低功率射頻器材技術規範5.7.3節之要求

| Band     | EUT CATEGORY |                      | e-CRF Title 47 §15.407            |                                                |                                                           |                                       |
|----------|--------------|----------------------|-----------------------------------|------------------------------------------------|-----------------------------------------------------------|---------------------------------------|
|          |              |                      | Conducted Output Power            | EIRP                                           | TPC                                                       | Antenna Directional Gain Requirements |
| U-NII-1  |              | Fixed point-to-point | 1 Watt(30dBm)                     | Not required                                   | Not required                                              | 23dBi                                 |
|          |              | Out door AP          | 1 Watt(30dBm)                     | Elevation angle above 30 degrees 125mW (21dBm) | Not required                                              | 6dBi                                  |
|          |              | Indoor AP            | 1 Watt(30dBm)                     | Not required                                   | Not required                                              | 6dBi                                  |
|          | V            | Other                | 250mW(23.98dBm)                   | Not required                                   | Not required                                              | 6dBi                                  |
| U-NII-2A | V            | Other                | 250mW(23.98dBm) or 11dBm+10 log B | Not required                                   | When EIRP >500mW<br>At least 6dB below<br>EIRP 1W (30dBm) | 6dBi                                  |
| U-NII-2C | V            | Other                | 250mW(23.98dBm) or 11dBm+10 log B | Not required                                   |                                                           | 6dBi                                  |
| U-NII-3  | V            | Other                | 1 Watt(30dBm)                     | Not required                                   | Not required                                              | 6dBi                                  |
|          |              | Fixed point-to-point | 1 Watt(30dBm)                     | Not required                                   | Not required                                              | Not required                          |

1. If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna.

2. For the 10 log B, B is the 26 dB emission bandwidth.

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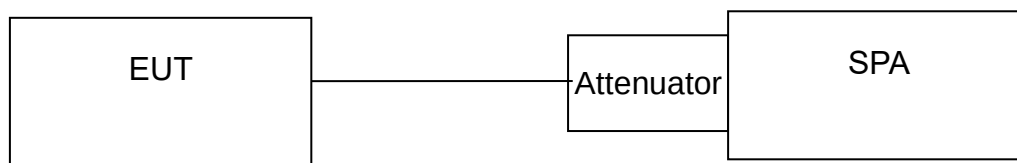
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## 10.2 量測儀器

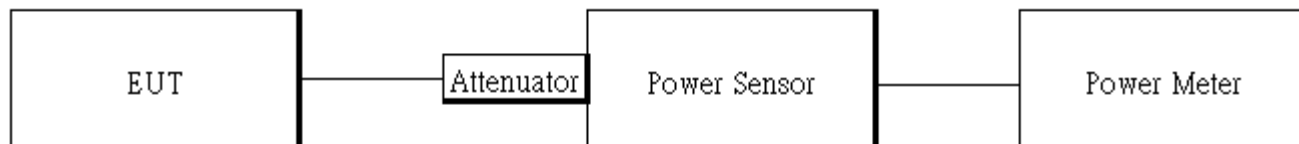
| Conducted Emission Test Site: Conducted 2 |               |                     |               |            |            |
|-------------------------------------------|---------------|---------------------|---------------|------------|------------|
| EQUIPMENT TYPE                            | MFR           | MODEL NUMBER        | SERIAL NUMBER | LAST CAL.  | CAL DUE.   |
| EXA Spectrum Analyzer                     | KEYSIGHT      | N9010B              | MY60240503    | 12/09/2021 | 12/08/2022 |
| Test Software                             | SGS           | Radio Test Software | Ver. 21       | N.C.R      | N.C.R      |
| Power Meter                               | Anritsu       | ML2496A             | 1804001       | 03/02/2021 | 03/01/2022 |
| Power Sensor                              | Anritsu       | MA2411B             | 1726104       | 03/02/2021 | 03/01/2022 |
| Power Sensor                              | Anritsu       | MA2411B             | 1726107       | 03/02/2021 | 03/01/2022 |
| Attenuator                                | Mini-Circuit  | BW-S10W2+           | 4             | 12/14/2021 | 12/13/2022 |
| DC Block                                  | Mini-Circuits | BLK-18-S+           | 1             | 12/14/2021 | 12/13/2022 |
| Notebook                                  | Lenovo        | L430                | R9-XFG0X      | N/A        | N/A        |

## 10.3 測試配置

## 10.3.1 載波頻率工作週期



## 10.3.2 輸出峰值功率



## 10.4 量測方式

## 10.4.1 載波頻率工作週期儀器設定

Span = Zero, RBW = 8MHz, VBW = 8MHz, Detector = Peak

## 10.4.2 輸出功率量測

1. 將 EUT 置於發射模式。
2. 移除天線，使用 low loss cable 連接 EUT 的 antenna port 及 power meter。
3. 設定 offset  $10 \cdot \log(1/\text{duty cycle})$ 。
4. 紀錄最大功率讀值並重覆在所有頻段。

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## 10.5 天線增益及輸出功率限值計算

依據 FCC KDB 662911 D01 F. 2). e). (ii)

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.

天線方向增益大於 6dBi, 因此降低輸出功率限值，並計入測試結果:

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## 10.6 量測結果

## 10.6.1 載波頻率工作週期

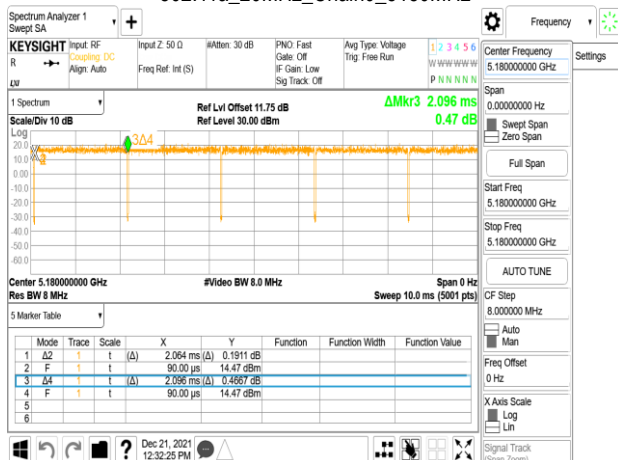
| Mode        | Duty Cycle (%)<br>=Ton / (Ton+Toff) | Duty Factor (dB)<br>=10*log ( 1/Duty Cycle ) | 1/T<br>(kHz) | VBW<br>setting<br>(kHz) |
|-------------|-------------------------------------|----------------------------------------------|--------------|-------------------------|
| 802.11a     | 98.47                               | 0.07                                         | 0.48         | 0.01                    |
| 802.11n_20  | 98.36                               | 0.07                                         | 0.52         | 0.01                    |
| 802.11ac_20 | 98.37                               | 0.07                                         | 0.52         | 0.01                    |
| 802.11n_40  | 98.26                               | 0.08                                         | 0.81         | 0.01                    |
| 802.11ac_40 | 98.27                               | 0.08                                         | 0.80         | 0.01                    |
| 802.11ac_80 | 96.88                               | 0.14                                         | 1.46         | 2.00                    |

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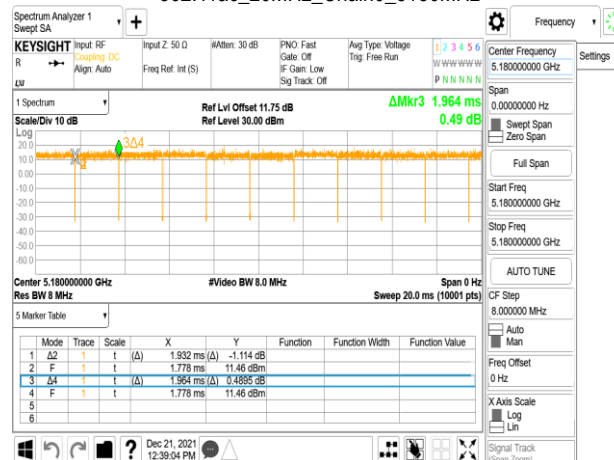
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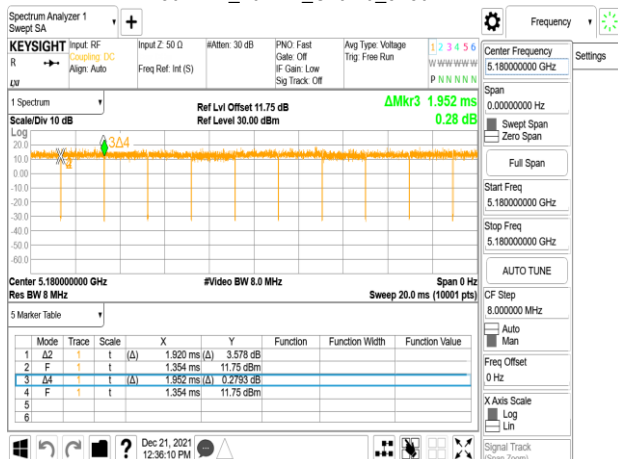
802.11a\_20MHz\_Chain0\_5180MHz



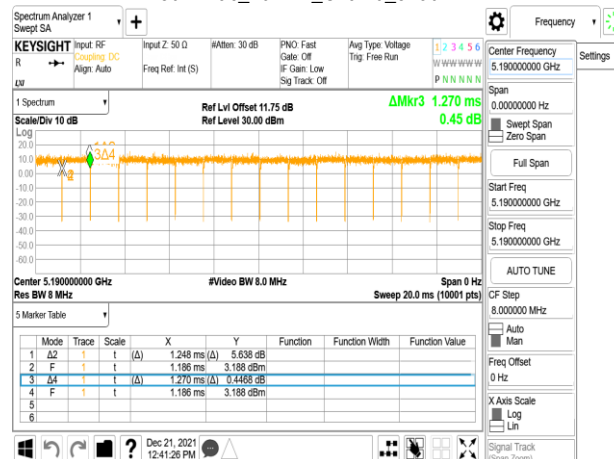
802.11ac\_20MHz\_Chain0\_5180MHz



802.11n\_20MHz\_Chain0\_5180MHz



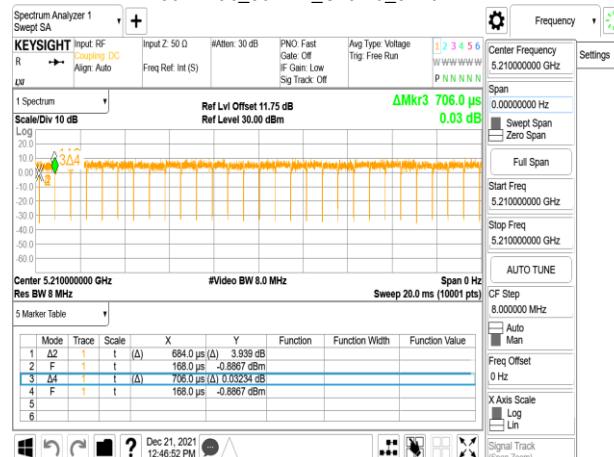
802.11ac\_40MHz\_Chain0\_5190MHz



802.11n\_40MHz\_Chain0\_5190MHz



802.11ac\_80MHz\_Chain0\_5210MHz



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## 10.6.2 輸出功率之量測結果

### 802.11a\_Ch0

| CH  | Frequency (MHz) | Data Rate | Power set    | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|-------------------|------------------|----------------------|--------|
| 36  | 5180            | 6         | wl txpwr1 -1 | 13.07             | 20.263           | 22.98                | PASS   |
| 44  | 5220            | 6         | wl txpwr1 -1 | 14.65             | 29.154           | 22.98                | PASS   |
| 48  | 5240            | 6         | wl txpwr1 -1 | 14.50             | 28.164           | 22.98                | PASS   |
| 52  | 5260            | 6         | wl txpwr1 -1 | 14.69             | 29.424           | 22.98                | PASS   |
| 60  | 5300            | 6         | wl txpwr1 -1 | 14.75             | 29.833           | 22.98                | PASS   |
| 64  | 5320            | 6         | wl txpwr1 -1 | 13.12             | 20.497           | 22.98                | PASS   |
| 100 | 5500            | 6         | wl txpwr1 -1 | 11.74             | 14.918           | 22.98                | PASS   |
| 116 | 5580            | 6         | wl txpwr1 -1 | 11.74             | 14.918           | 22.98                | PASS   |
| 140 | 5700            | 6         | wl txpwr1 -1 | 11.65             | 14.612           | 22.98                | PASS   |
| 149 | 5745            | 6         | wl txpwr1 -1 | 11.52             | 14.181           | 29                   | PASS   |
| 157 | 5785            | 6         | wl txpwr1 -1 | 11.80             | 15.125           | 29                   | PASS   |
| 165 | 5825            | 6         | wl txpwr1 -1 | 11.53             | 14.213           | 29                   | PASS   |

### 802.11a\_Ch1

| CH  | Frequency (MHz) | Data Rate | Power set    | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|-------------------|------------------|----------------------|--------|
| 36  | 5180            | 6         | wl txpwr1 -1 | 12.77             | 18.910           | 22.98                | PASS   |
| 44  | 5220            | 6         | wl txpwr1 -1 | 14.30             | 26.897           | 22.98                | PASS   |
| 48  | 5240            | 6         | wl txpwr1 -1 | 14.24             | 26.527           | 22.98                | PASS   |
| 52  | 5260            | 6         | wl txpwr1 -1 | 14.63             | 29.020           | 22.98                | PASS   |
| 60  | 5300            | 6         | wl txpwr1 -1 | 14.45             | 27.842           | 22.98                | PASS   |
| 64  | 5320            | 6         | wl txpwr1 -1 | 12.63             | 18.310           | 22.98                | PASS   |
| 100 | 5500            | 6         | wl txpwr1 -1 | 11.66             | 14.645           | 22.98                | PASS   |
| 116 | 5580            | 6         | wl txpwr1 -1 | 11.54             | 14.246           | 22.98                | PASS   |
| 140 | 5700            | 6         | wl txpwr1 -1 | 11.43             | 13.890           | 22.98                | PASS   |
| 149 | 5745            | 6         | wl txpwr1 -1 | 11.08             | 12.814           | 29                   | PASS   |
| 157 | 5785            | 6         | wl txpwr1 -1 | 11.50             | 14.115           | 29                   | PASS   |
| 165 | 5825            | 6         | wl txpwr1 -1 | 10.45             | 11.084           | 29                   | PASS   |

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## 802.11n\_HT20\_Ch0

| CH  | Frequency (MHz) | Data Rate | Power set    | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|-------------------|------------------|----------------------|--------|
| 36  | 5180            | MCS0      | txpwr1 -o -d | 9.78              | 9.510            | 22.98                | PASS   |
| 44  | 5220            | MCS0      | txpwr1 -o -d | 9.76              | 9.466            | 22.98                | PASS   |
| 48  | 5240            | MCS0      | txpwr1 -o -d | 9.77              | 9.488            | 22.98                | PASS   |
| 52  | 5260            | MCS0      | txpwr1 -o -d | 11.90             | 15.495           | 22.98                | PASS   |
| 60  | 5300            | MCS0      | txpwr1 -o -d | 11.88             | 15.423           | 22.98                | PASS   |
| 64  | 5320            | MCS0      | txpwr1 -o -d | 11.70             | 14.797           | 22.98                | PASS   |
| 100 | 5500            | MCS0      | txpwr1 -o -d | 10.32             | 10.769           | 22.98                | PASS   |
| 116 | 5580            | MCS0      | wl txpwr1 -1 | 11.86             | 15.353           | 22.98                | PASS   |
| 140 | 5700            | MCS0      | txpwr1 -o -d | 9.88              | 9.732            | 22.98                | PASS   |
| 149 | 5745            | MCS0      | wl txpwr1 -1 | 11.21             | 13.218           | 29                   | PASS   |
| 157 | 5785            | MCS0      | wl txpwr1 -1 | 11.78             | 15.072           | 29                   | PASS   |
| 165 | 5825            | MCS0      | wl txpwr1 -1 | 11.64             | 14.594           | 29                   | PASS   |

## 802.11n\_HT20\_Ch1

| CH  | Frequency (MHz) | Data Rate | Power set    | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|-------------------|------------------|----------------------|--------|
| 36  | 5180            | MCS0      | txpwr1 -o -d | 9.33              | 8.574            | 22.98                | PASS   |
| 44  | 5220            | MCS0      | txpwr1 -o -d | 9.52              | 8.957            | 22.98                | PASS   |
| 48  | 5240            | MCS0      | txpwr1 -o -d | 9.26              | 8.437            | 22.98                | PASS   |
| 52  | 5260            | MCS0      | txpwr1 -o -d | 11.42             | 13.873           | 22.98                | PASS   |
| 60  | 5300            | MCS0      | txpwr1 -o -d | 11.16             | 13.067           | 22.98                | PASS   |
| 64  | 5320            | MCS0      | txpwr1 -o -d | 11.23             | 13.279           | 22.98                | PASS   |
| 100 | 5500            | MCS0      | txpwr1 -o -d | 9.19              | 8.302            | 22.98                | PASS   |
| 116 | 5580            | MCS0      | wl txpwr1 -1 | 11.61             | 14.494           | 22.98                | PASS   |
| 140 | 5700            | MCS0      | txpwr1 -o -d | 9.38              | 8.673            | 22.98                | PASS   |
| 149 | 5745            | MCS0      | wl txpwr1 -1 | 10.86             | 12.195           | 29                   | PASS   |
| 157 | 5785            | MCS0      | wl txpwr1 -1 | 11.34             | 13.620           | 29                   | PASS   |
| 165 | 5825            | MCS0      | wl txpwr1 -1 | 10.50             | 11.225           | 29                   | PASS   |

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## 802.11n\_HT20\_MIMO

| CH  | Frequency (MHz) | Data Rate | Power set    | Avg. POWER (dBm) |       | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|------------------|-------|-------------------|------------------|----------------------|--------|
|     |                 |           |              | Ch0              | Ch1   |                   |                  |                      |        |
| 36  | 5180            | MCS8      | txpwr1 -o -d | 9.86             | 9.29  | 12.67             | 18.493           | 19.97                | PASS   |
| 44  | 5220            | MCS8      | txpwr1 -o -d | 9.81             | 9.47  | 12.73             | 18.750           | 19.97                | PASS   |
| 48  | 5240            | MCS8      | txpwr1 -o -d | 9.75             | 9.21  | 12.57             | 18.072           | 19.97                | PASS   |
| 52  | 5260            | MCS8      | txpwr1 -o -d | 11.99            | 11.37 | 14.77             | 29.992           | 19.97                | PASS   |
| 60  | 5300            | MCS8      | txpwr1 -o -d | 11.93            | 11.2  | 14.66             | 29.242           | 19.97                | PASS   |
| 64  | 5320            | MCS8      | txpwr1 -o -d | 12.05            | 11.33 | 14.79             | 30.130           | 19.97                | PASS   |
| 100 | 5500            | MCS8      | txpwr1 -o -d | 10.33            | 9.46  | 13.00             | 19.953           | 19.97                | PASS   |
| 116 | 5580            | MCS8      | wl txpwr1 -1 | 11.81            | 11.6  | 14.79             | 30.130           | 19.97                | PASS   |
| 140 | 5700            | MCS8      | txpwr1 -o -d | 10.26            | 9.42  | 12.94             | 19.679           | 19.97                | PASS   |
| 149 | 5745            | MCS8      | wl txpwr1 -1 | 11.17            | 10.88 | 14.11             | 25.763           | 25.99                | PASS   |
| 157 | 5785            | MCS8      | wl txpwr1 -1 | 11.75            | 11.32 | 14.62             | 28.973           | 25.99                | PASS   |
| 165 | 5825            | MCS8      | wl txpwr1 -1 | 11.68            | 10.45 | 14.19             | 26.242           | 25.99                | PASS   |

## 802.11n\_HT40\_Ch0

| CH  | Frequency (MHz) | Data Rate | Power set    | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|-------------------|------------------|----------------------|--------|
| 38  | 5190            | MCS0      | txpwr1 -o -d | 8.51              | 7.090            | 22.98                | PASS   |
| 46  | 5230            | MCS0      | txpwr1 -o -d | 9.27              | 8.445            | 22.98                | PASS   |
| 54  | 5270            | MCS0      | wl txpwr1 -1 | 13.83             | 24.134           | 22.98                | PASS   |
| 62  | 5310            | MCS0      | txpwr1 -o -d | 10.71             | 11.766           | 22.98                | PASS   |
| 102 | 5510            | MCS0      | txpwr1 -o -d | 8.11              | 6.466            | 22.98                | PASS   |
| 110 | 5550            | MCS0      | wl txpwr1 -1 | 13.92             | 24.639           | 22.98                | PASS   |
| 134 | 5670            | MCS0      | txpwr1 -o -d | 12.14             | 16.354           | 22.98                | PASS   |
| 151 | 5755            | MCS0      | wl txpwr1 -1 | 13.84             | 24.189           | 29                   | PASS   |
| 159 | 5795            | MCS0      | wl txpwr1 -1 | 13.82             | 24.078           | 29                   | PASS   |

## 802.11n\_HT40\_Ch1

| CH  | Frequency (MHz) | Data Rate | Power set    | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|-------------------|------------------|----------------------|--------|
| 38  | 5190            | MCS0      | txpwr1 -o -d | 7.56              | 5.697            | 22.98                | PASS   |
| 46  | 5230            | MCS0      | txpwr1 -o -d | 8.55              | 7.155            | 22.98                | PASS   |
| 54  | 5270            | MCS0      | wl txpwr1 -1 | 13.57             | 22.731           | 22.98                | PASS   |
| 62  | 5310            | MCS0      | txpwr1 -o -d | 10.03             | 10.061           | 22.98                | PASS   |
| 102 | 5510            | MCS0      | txpwr1 -o -d | 6.33              | 4.292            | 22.98                | PASS   |
| 110 | 5550            | MCS0      | wl txpwr1 -1 | 13.66             | 23.207           | 22.98                | PASS   |
| 134 | 5670            | MCS0      | txpwr1 -o -d | 11.20             | 13.171           | 22.98                | PASS   |
| 151 | 5755            | MCS0      | wl txpwr1 -1 | 13.57             | 22.731           | 29                   | PASS   |
| 159 | 5795            | MCS0      | wl txpwr1 -1 | 13.51             | 22.419           | 29                   | PASS   |

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## 802.11n\_HT40\_MIMO

| CH  | Frequency (MHz) | Data Rate | Power set      | Avg. POWER (dBm) |       | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|----------------|------------------|-------|-------------------|------------------|----------------------|--------|
|     |                 |           |                | Ch0              | Ch1   |                   |                  |                      |        |
| 38  | 5190            | MCS8      | l txpwr1 -o -d | 8.64             | 7.5   | 11.19             | 13.152           | 19.97                | PASS   |
| 46  | 5230            | MCS8      | txpwr1 -o -d   | 9.22             | 8.55  | <b>11.98</b>      | 15.776           | 19.97                | PASS   |
| 54  | 5270            | MCS8      | wl txpwr1 -1   | 13.79            | 13.53 | <b>16.75</b>      | 47.315           | 19.97                | PASS   |
| 62  | 5310            | MCS8      | txpwr1 -o -d   | 10.64            | 10.12 | 13.47             | 22.233           | 19.97                | PASS   |
| 102 | 5510            | MCS8      | l txpwr1 -o -d | 8.05             | 6.36  | 10.37             | 10.889           | 19.97                | PASS   |
| 110 | 5550            | MCS8      | wl txpwr1 -1   | 13.88            | 13.67 | <b>16.86</b>      | 48.529           | 19.97                | PASS   |
| 134 | 5670            | MCS8      | txpwr1 -o -d   | 12.08            | 11.16 | 14.73             | 29.717           | 19.97                | PASS   |
| 151 | 5755            | MCS8      | wl txpwr1 -1   | 13.78            | 13.52 | <b>16.74</b>      | 47.206           | 25.99                | PASS   |
| 159 | 5795            | MCS8      | wl txpwr1 -1   | 13.81            | 13.46 | 16.73             | 47.098           | 25.99                | PASS   |

## 802.11ac\_VHT20\_Ch0

| CH  | Frequency (MHz) | Data Rate | Power set    | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|-------------------|------------------|----------------------|--------|
| 36  | 5180            | MCS0      | txpwr1 -o -d | 9.68              | 9.293            | 22.98                | PASS   |
| 44  | 5220            | MCS0      | txpwr1 -o -d | 9.71              | 9.357            | 22.98                | PASS   |
| 48  | 5240            | MCS0      | txpwr1 -o -d | 9.72              | 9.379            | 22.98                | PASS   |
| 52  | 5260            | MCS0      | txpwr1 -o -d | 11.85             | 15.316           | 22.98                | PASS   |
| 60  | 5300            | MCS0      | txpwr1 -o -d | 11.82             | 15.210           | 22.98                | PASS   |
| 64  | 5320            | MCS0      | txpwr1 -o -d | 11.58             | 14.393           | 22.98                | PASS   |
| 100 | 5500            | MCS0      | txpwr1 -o -d | 10.19             | 10.451           | 22.98                | PASS   |
| 116 | 5580            | MCS0      | wl txpwr1 -1 | 11.83             | 15.245           | 22.98                | PASS   |
| 140 | 5700            | MCS0      | txpwr1 -o -d | 9.80              | 9.553            | 22.98                | PASS   |
| 149 | 5745            | MCS0      | wl txpwr1 -1 | 11.18             | 13.126           | 29                   | PASS   |
| 157 | 5785            | MCS0      | wl txpwr1 -1 | 11.71             | 14.830           | 29                   | PASS   |
| 165 | 5825            | MCS0      | wl txpwr1 -1 | 11.50             | 14.130           | 29                   | PASS   |

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## 802.11ac\_VHT20\_Ch1

| CH  | Frequency (MHz) | Data Rate | Power set    | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|-------------------|------------------|----------------------|--------|
| 36  | 5180            | MCS0      | txpwr1 -o -d | 9.26              | 8.436            | 22.98                | PASS   |
| 44  | 5220            | MCS0      | txpwr1 -o -d | 9.49              | 8.895            | 22.98                | PASS   |
| 48  | 5240            | MCS0      | txpwr1 -o -d | 9.19              | 8.301            | 22.98                | PASS   |
| 52  | 5260            | MCS0      | txpwr1 -o -d | 11.35             | 13.650           | 22.98                | PASS   |
| 60  | 5300            | MCS0      | txpwr1 -o -d | 11.11             | 12.916           | 22.98                | PASS   |
| 64  | 5320            | MCS0      | txpwr1 -o -d | 11.20             | 13.187           | 22.98                | PASS   |
| 100 | 5500            | MCS0      | txpwr1 -o -d | 9.17              | 8.263            | 22.98                | PASS   |
| 116 | 5580            | MCS0      | wl txpwr1 -1 | 11.59             | 14.426           | 22.98                | PASS   |
| 140 | 5700            | MCS0      | txpwr1 -o -d | 9.35              | 8.613            | 22.98                | PASS   |
| 149 | 5745            | MCS0      | wl txpwr1 -1 | 10.83             | 12.110           | 29                   | PASS   |
| 157 | 5785            | MCS0      | wl txpwr1 -1 | 11.31             | 13.525           | 29                   | PASS   |
| 165 | 5825            | MCS0      | wl txpwr1 -1 | 10.47             | 11.146           | 29                   | PASS   |

## 802.11ac\_VHT20\_MIMO

| CH  | Frequency (MHz) | Data Rate | Power set    | Avg. POWER (dBm) |       | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|------------------|-------|-------------------|------------------|----------------------|--------|
|     |                 |           |              | Ch0              | Ch1   |                   |                  |                      |        |
| 36  | 5180            | MCS0      | txpwr1 -o -d | 9.65             | 9.27  | 12.55             | 17.989           | 19.97                | PASS   |
| 44  | 5220            | MCS0      | txpwr1 -o -d | 9.79             | 9.44  | 12.70             | 18.621           | 19.97                | PASS   |
| 48  | 5240            | MCS0      | txpwr1 -o -d | 9.72             | 9.16  | 12.53             | 17.906           | 19.97                | PASS   |
| 52  | 5260            | MCS0      | txpwr1 -o -d | 11.85            | 11.31 | 14.67             | 29.309           | 19.97                | PASS   |
| 60  | 5300            | MCS0      | txpwr1 -o -d | 11.87            | 11.12 | 14.59             | 28.774           | 19.97                | PASS   |
| 64  | 5320            | MCS0      | txpwr1 -o -d | 11.8             | 11.25 | 14.62             | 28.973           | 19.97                | PASS   |
| 100 | 5500            | MCS0      | txpwr1 -o -d | 10.26            | 9.33  | 12.90             | 19.498           | 19.97                | PASS   |
| 116 | 5580            | MCS0      | wl txpwr1 -1 | 11.77            | 11.56 | 14.75             | 29.854           | 19.97                | PASS   |
| 140 | 5700            | MCS0      | txpwr1 -o -d | 10.13            | 9.31  | 12.82             | 19.143           | 19.97                | PASS   |
| 149 | 5745            | MCS0      | wl txpwr1 -1 | 11.14            | 10.86 | 14.08             | 25.586           | 25.99                | PASS   |
| 157 | 5785            | MCS0      | wl txpwr1 -1 | 11.73            | 11.3  | 14.60             | 28.840           | 25.99                | PASS   |
| 165 | 5825            | MCS0      | wl txpwr1 -1 | 11.49            | 10.43 | 14.07             | 25.527           | 25.99                | PASS   |

## 802.11ac\_VHT40\_Ch0

| CH  | Frequency (MHz) | Data Rate | Power set    | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|--------------|-------------------|------------------|----------------------|--------|
| 38  | 5190            | MCS0      | txpwr1 -o -d | 8.37              | 6.864            | 22.98                | PASS   |
| 46  | 5230            | MCS0      | txpwr1 -o -d | 9.24              | 8.386            | 22.98                | PASS   |
| 54  | 5270            | MCS0      | wl txpwr1 -1 | 13.80             | 23.965           | 22.98                | PASS   |
| 62  | 5310            | MCS0      | txpwr1 -o -d | 10.42             | 11.005           | 22.98                | PASS   |
| 102 | 5510            | MCS0      | txpwr1 -o -d | 7.93              | 6.203            | 22.98                | PASS   |
| 110 | 5550            | MCS0      | wl txpwr1 -1 | 13.89             | 24.467           | 22.98                | PASS   |
| 134 | 5670            | MCS0      | txpwr1 -o -d | 12.01             | 15.870           | 22.98                | PASS   |
| 151 | 5755            | MCS0      | wl txpwr1 -1 | 13.80             | 23.965           | 29                   | PASS   |
| 159 | 5795            | MCS0      | wl txpwr1 -1 | 13.77             | 23.800           | 29                   | PASS   |

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## 802.11ac\_VHT40\_Ch1

| CH  | Frequency (MHz) | Data Rate | Power set       | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|-----------------|-------------------|------------------|----------------------|--------|
| 38  | 5190            | MCS0      | fl txpwr1 -o -d | 7.43              | 5.528            | 22.98                | PASS   |
| 46  | 5230            | MCS0      | txpwr1 -o -d    | 8.51              | 7.089            | 22.98                | PASS   |
| 54  | 5270            | MCS0      | wl txpwr1 -1    | 13.52             | 22.469           | 22.98                | PASS   |
| 62  | 5310            | MCS0      | txpwr1 -o -d    | 9.90              | 9.763            | 22.98                | PASS   |
| 102 | 5510            | MCS0      | fl txpwr1 -o -d | 6.21              | 4.174            | 22.98                | PASS   |
| 110 | 5550            | MCS0      | wl txpwr1 -1    | 13.62             | 22.992           | 22.98                | PASS   |
| 134 | 5670            | MCS0      | txpwr1 -o -d    | 11.11             | 12.900           | 22.98                | PASS   |
| 151 | 5755            | MCS0      | wl txpwr1 -1    | 13.53             | 22.521           | 29                   | PASS   |
| 159 | 5795            | MCS0      | wl txpwr1 -1    | 13.37             | 21.706           | 29                   | PASS   |

## 802.11ac\_VHT40\_MIMO

| CH  | Frequency (MHz) | Data Rate | Power set       | Avg. POWER (dBm) |       | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|-----------------|------------------|-------|-------------------|------------------|----------------------|--------|
|     |                 |           |                 | Ch0              | Ch1   |                   |                  |                      |        |
| 38  | 5190            | MCS0      | fl txpwr1 -o -d | 8.37             | 7.41  | 11.00             | 12.589           | 19.97                | PASS   |
| 46  | 5230            | MCS0      | txpwr1 -o -d    | 9.19             | 8.54  | <b>11.96</b>      | 15.704           | 19.97                | PASS   |
| 54  | 5270            | MCS0      | wl txpwr1 -1    | 13.76            | 13.48 | <b>16.71</b>      | 46.881           | 19.97                | PASS   |
| 62  | 5310            | MCS0      | txpwr1 -o -d    | 10.45            | 9.98  | 13.31             | 21.429           | 19.97                | PASS   |
| 102 | 5510            | MCS0      | fl txpwr1 -o -d | 7.88             | 6.25  | 10.23             | 10.544           | 19.97                | PASS   |
| 110 | 5550            | MCS0      | wl txpwr1 -1    | 13.82            | 13.61 | <b>16.80</b>      | 47.863           | 19.97                | PASS   |
| 134 | 5670            | MCS0      | txpwr1 -o -d    | 11.96            | 11.05 | 14.61             | 28.907           | 19.97                | PASS   |
| 151 | 5755            | MCS0      | wl txpwr1 -1    | 13.74            | 13.5  | <b>16.71</b>      | 46.881           | 25.99                | PASS   |
| 159 | 5795            | MCS0      | wl txpwr1 -1    | 13.76            | 13.31 | 16.63             | 46.026           | 25.99                | PASS   |

## 802.11ac\_VHT80\_Ch0

| CH  | Frequency (MHz) | Data Rate | Power set       | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|-----------------|-------------------|------------------|----------------------|--------|
| 42  | 5210            | MCS0      | fl txpwr1 -o -d | 5.23              | 3.332            | 22.98                | PASS   |
| 58  | 5290            | MCS0      | fl txpwr1 -o -d | 8.87              | 7.705            | 22.98                | PASS   |
| 106 | 5530            | MCS0      | fl txpwr1 -o -d | 6.98              | 4.986            | 22.98                | PASS   |
| 122 | 5610            | MCS0      | wl txpwr1 -1    | 13.72             | 23.538           | 22.98                | PASS   |
| 155 | 5775            | MCS0      | wl txpwr1 -1    | 12.67             | 18.483           | 29                   | PASS   |

## 802.11ac\_VHT80\_Ch1

| CH  | Frequency (MHz) | Data Rate | Power set       | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|-----------------|-------------------|------------------|----------------------|--------|
| 42  | 5210            | MCS0      | fl txpwr1 -o -d | 4.10              | 2.569            | 22.98                | PASS   |
| 58  | 5290            | MCS0      | fl txpwr1 -o -d | 8.11              | 6.468            | 22.98                | PASS   |
| 106 | 5530            | MCS0      | fl txpwr1 -o -d | 5.06              | 3.205            | 22.98                | PASS   |
| 122 | 5610            | MCS0      | wl txpwr1 -1    | 13.26             | 21.172           | 22.98                | PASS   |
| 155 | 5775            | MCS0      | wl txpwr1 -1    | 12.04             | 15.987           | 29                   | PASS   |

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## 802.11ac\_VHT80\_MIMO

| CH  | Frequency (MHz) | Data Rate | Power set      | Avg. POWER (dBm) |       | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|----------------|------------------|-------|-------------------|------------------|----------------------|--------|
|     |                 |           |                | Ch0              | Ch1   |                   |                  |                      |        |
| 42  | 5210            | MCS0      | l txpwr1 -o -d | 5.2              | 4.16  | <b>7.86</b>       | 6.109            | 19.97                | PASS   |
| 58  | 5290            | MCS0      | l txpwr1 -o -d | 8.81             | 8.23  | <b>11.68</b>      | 14.723           | 19.97                | PASS   |
| 106 | 5530            | MCS0      | l txpwr1 -o -d | 6.97             | 5.1   | 9.28              | 8.472            | 19.97                | PASS   |
| 122 | 5610            | MCS0      | wl txpwr1 -1   | 13.62            | 13.27 | <b>16.60</b>      | 45.709           | 19.97                | PASS   |
| 155 | 5775            | MCS0      | wl txpwr1 -1   | 12.61            | 12.16 | <b>15.54</b>      | 35.810           | 25.99                | PASS   |

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## 11 功率密度之限制

### 11.1 適用標準

依據NCC低功率射頻器材技術規範5.7.3節之要求

| Operation Bands                                                                                                                                                                                       | EUT CATEGORY |                                   | e-CRF Title 47 §15.407 Power Spectral Density                       | Antenna Directional Gain Requirements |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------|---------------------------------------------------------------------|---------------------------------------|
| U-NII-1                                                                                                                                                                                               |              | Outdoor Access Point (Master)     | 1. 17dBm/ MHz<br>2. EIRP<=125mW(21dBm) at any elevation angle > 30° | 6dBi                                  |
|                                                                                                                                                                                                       |              | Indoor Access Point (Master)      | 17dBm/ MHz                                                          | 6dBi                                  |
|                                                                                                                                                                                                       |              | Fixed point-to-point Access Point | 17dBm/ MHz                                                          | 23dBi                                 |
|                                                                                                                                                                                                       | V            | Client device                     | 11dBm/ MHz                                                          | 6dBi                                  |
| U-NII-2A                                                                                                                                                                                              | V            | All                               | 11dBm/ MHz                                                          | 6dBi                                  |
| U-NII-2C                                                                                                                                                                                              | V            | All                               | 11dBm/ MHz                                                          | 6dBi                                  |
| U-NII-3                                                                                                                                                                                               | V            | All                               | 30dBm/ 500kHz                                                       | 6dBi                                  |
| If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna. |              |                                   |                                                                     |                                       |

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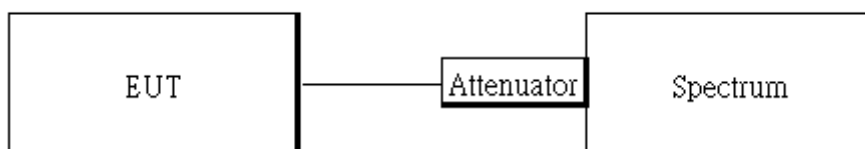
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## 11.2 量測儀器

| Conducted Emission Test Site: Conducted 2 |               |                     |               |            |            |
|-------------------------------------------|---------------|---------------------|---------------|------------|------------|
| EQUIPMENT TYPE                            | MFR           | MODEL NUMBER        | SERIAL NUMBER | LAST CAL.  | CAL DUE.   |
| EXA Spectrum Analyzer                     | KEYSIGHT      | N9010B              | MY60240503    | 12/09/2021 | 12/08/2022 |
| Test Software                             | SGS           | Radio Test Software | Ver. 21       | N.C.R      | N.C.R      |
| Power Meter                               | Anritsu       | ML2496A             | 1804001       | 03/02/2021 | 03/01/2022 |
| Power Sensor                              | Anritsu       | MA2411B             | 1726104       | 03/02/2021 | 03/01/2022 |
| Power Sensor                              | Anritsu       | MA2411B             | 1726107       | 03/02/2021 | 03/01/2022 |
| Attenuator                                | Mini-Circuit  | BW-S10W2+           | 4             | 12/14/2021 | 12/13/2022 |
| DC Block                                  | Mini-Circuits | BLK-18-S+           | 1             | 12/14/2021 | 12/13/2022 |
| Notebook                                  | Lenovo        | L430                | R9-XFG0X      | N/A        | N/A        |

## 11.3 測試配置



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#### 11.4 測試方式

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.
4. **For U-NII1, U-NII-2A, U-NII-2C Band:**  
Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (1001 pts), Detector = power averaging (rms), if available. Otherwise, use sample detector mode, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)  
**For U-NII-3 Band:**  
Set RBW=300kHz, VBW=1MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto, detector = RMS or sample, traces 100 sweeps of video averaging.  
In addition, measurement bandwidth of Maximum PSD is specified in 500 kHz, add  $10 \log (500 \text{ kHz/RBW})$  to the measured result.
5. Use the cursor on spectrum to peak search the highest level of trace
6. Record the max. reading and add  $10 \log (1/\text{duty cycle})$ .
7. Repeat above procedures until all default test channel (low, middle, and high) was complete.
8. MIMO mode: offset is set following "measure and add 10 Log (N)" on spectrum to measure the PSD for MIMO mode. Offset = cable loss +  $10 \log (N)$ , where N is number of transmitting antenna.

**Note: For the test of PSD at MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.**

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### 11.5 天線增益及最大功率頻譜密度限值計算

依據 FCC KDB 662911 D01 F. 2). e). (ii)

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.

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

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.

天線方向增益大於 6dBi, 因此降低最大功率頻譜密度限值，並計入測試結果：

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## 11.6 功率密度量測結果

| POWER DENSITY 802.11a MODE |                           |                               |                                 |                  |             |
|----------------------------|---------------------------|-------------------------------|---------------------------------|------------------|-------------|
| Frequency (MHz)            | Ch0 meas PSD (dBm/MHz)    | Maximum Corr'd PSD(dBm/MHz)   |                                 | Limit            | Margin (dB) |
| 5180                       | 3.211                     | 3.21                          |                                 | 10.00 dBm/MHz    | -6.79       |
| 5220                       | 4.586                     | 4.59                          |                                 | 10.00 dBm/MHz    | -5.41       |
| 5240                       | 4.468                     | 4.47                          |                                 | 10.00 dBm/MHz    | -5.53       |
| 5260                       | 4.907                     | 4.91                          |                                 | 10.00 dBm/MHz    | -5.09       |
| 5300                       | 4.504                     | 4.50                          |                                 | 10.00 dBm/MHz    | -5.50       |
| 5320                       | 2.027                     | 2.03                          |                                 | 10.00 dBm/MHz    | -7.97       |
| 5500                       | 1.534                     | 1.53                          |                                 | 10.00 dBm/MHz    | -8.47       |
| 5580                       | 1.834                     | 1.83                          |                                 | 10.00 dBm/MHz    | -8.17       |
| 5700                       | 2.227                     | 2.23                          |                                 | 10.00 dBm/MHz    | -7.77       |
| Frequency (MHz)            | Ch0 meas PSD (dBm/300kHz) | 10log (500kHz/RBW) Factor(dB) | Maximum Corr'd PSD (dBm/500kHz) | Limit            | Margin (dB) |
| 5745                       | -3.191                    | 2.22                          | -0.97                           | 29.00 dBm/500kHz | -29.97      |
| 5785                       | -2.891                    | 2.22                          | -0.67                           | 29.00 dBm/500kHz | -29.67      |
| 5825                       | -3.033                    | 2.22                          | -0.81                           | 29.00 dBm/500kHz | -29.81      |

| POWER DENSITY 802.11n HT20 MODE |                           |                           |                               |                                |                  |             |
|---------------------------------|---------------------------|---------------------------|-------------------------------|--------------------------------|------------------|-------------|
| Frequency (MHz)                 | Ch0 meas PSD (dBm/MHz)    | Ch1 meas PSD (dBm/MHz)    | Maximum Corr'd PSD(dBm/MHz)   |                                | Limit            | Margin (dB) |
| 5180                            | -0.571                    | -0.967                    | 2.25                          |                                | 6.99 dBm/MHz     | -4.74       |
| 5220                            | -0.379                    | -0.494                    | 2.57                          |                                | 6.99 dBm/MHz     | -4.42       |
| 5240                            | -0.489                    | -1.227                    | 2.17                          |                                | 6.99 dBm/MHz     | -4.82       |
| 5260                            | 1.186                     | 1.039                     | 4.12                          |                                | 6.99 dBm/MHz     | -2.87       |
| 5300                            | 1.274                     | 0.938                     | 4.12                          |                                | 6.99 dBm/MHz     | -2.87       |
| 5320                            | 1.210                     | 0.806                     | 4.02                          |                                | 6.99 dBm/MHz     | -2.97       |
| 5500                            | -0.264                    | -1.156                    | 2.32                          |                                | 6.99 dBm/MHz     | -4.67       |
| 5580                            | 2.232                     | 1.743                     | 5.00                          |                                | 6.99 dBm/MHz     | -1.99       |
| 5700                            | 0.203                     | -0.476                    | 2.89                          |                                | 6.99 dBm/MHz     | -4.10       |
| Frequency (MHz)                 | Ch0 meas PSD (dBm/300kHz) | Ch1 meas PSD (dBm/300kHz) | 10log (500kHz/RBW) Factor(dB) | Maximum Corr'd PSD(dBm/500kHz) | Limit            | Margin (dB) |
| 5745                            | -3.508                    | -4.061                    | 2.22                          | 1.45                           | 25.99 dBm/500kHz | -24.54      |
| 5785                            | -3.271                    | -3.977                    | 2.22                          | 1.62                           | 25.99 dBm/500kHz | -24.37      |
| 5825                            | -3.853                    | -5.031                    | 2.22                          | 0.83                           | 25.99 dBm/500kHz | -25.16      |

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| POWER DENSITY 802.11n HT40 MODE |                           |                           |                               |                                |                  |             |
|---------------------------------|---------------------------|---------------------------|-------------------------------|--------------------------------|------------------|-------------|
| Frequency (MHz)                 | Ch0 meas PSD (dBm/MHz)    | Ch1 meas PSD (dBm/MHz)    | Maxmum Corr'd PSD(dBm/MHz)    |                                | Limit            | Margin (dB) |
| 5190                            | -4.889                    | -5.833                    | -2.33                         |                                | 6.99 dBm/MHz     | -9.32       |
| 5230                            | -3.924                    | -4.651                    | -1.26                         |                                | 6.99 dBm/MHz     | -8.25       |
| 5270                            | 0.488                     | 0.532                     | 3.52                          |                                | 6.99 dBm/MHz     | -3.47       |
| 5310                            | -3.328                    | -3.655                    | -0.48                         |                                | 6.99 dBm/MHz     | -7.47       |
| 5510                            | -5.333                    | -5.964                    | -2.63                         |                                | 6.99 dBm/MHz     | -9.62       |
| 5550                            | 0.284                     | 0.455                     | 3.38                          |                                | 6.99 dBm/MHz     | -3.61       |
| 5670                            | -0.821                    | -1.237                    | 1.99                          |                                | 6.99 dBm/MHz     | -5.00       |
| Frequency (MHz)                 | Ch0 meas PSD (dBm/300kHz) | Ch1 meas PSD (dBm/300kHz) | 10log (500kHz/RBW) Factor(dB) | Maxmum Corr'd PSD(dBm/500kHz ) | Limit            | Margin (dB) |
| 5755                            | -4.200                    | -5.143                    | 2.22                          | 0.58                           | 25.99 dBm/500kHz | -25.41      |
| 5795                            | -4.091                    | -5.129                    | 2.22                          | 0.65                           | 25.99 dBm/500kHz | -25.34      |

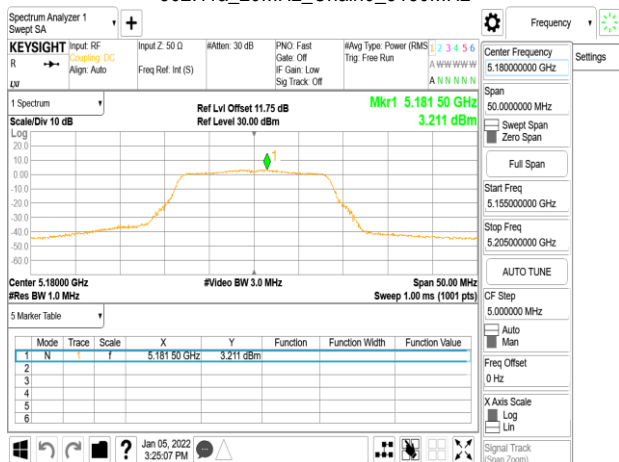
| POWER DENSITY 802.11ac VHT80 MODE |                           |                           |                               |                                |                  |             |
|-----------------------------------|---------------------------|---------------------------|-------------------------------|--------------------------------|------------------|-------------|
| Frequency (MHz)                   | Ch0 meas PSD (dBm/MHz)    | Ch1 meas PSD (dBm/MHz)    | Maxmum Corr'd PSD(dBm/MHz)    |                                | Limit            | Margin (dB) |
| 5210                              | -10.771                   | -11.393                   | -7.92                         |                                | 6.99 dBm/MHz     | -14.91      |
| 5290                              | -6.885                    | -7.465                    | -4.02                         |                                | 6.99 dBm/MHz     | -11.01      |
| 5530                              | -8.622                    | -10.212                   | -6.19                         |                                | 6.99 dBm/MHz     | -13.18      |
| 5610                              | -3.903                    | -4.135                    | -0.87                         |                                | 6.99 dBm/MHz     | -7.86       |
| Frequency (MHz)                   | Ch0 meas PSD (dBm/300kHz) | Ch1 meas PSD (dBm/300kHz) | 10log (500kHz/RBW) Factor(dB) | Maxmum Corr'd PSD(dBm/500kHz ) | Limit            | Margin (dB) |
| 5775                              | -10.305                   | -9.927                    | 2.22                          | -4.74                          | 25.99 dBm/500kHz | -30.73      |

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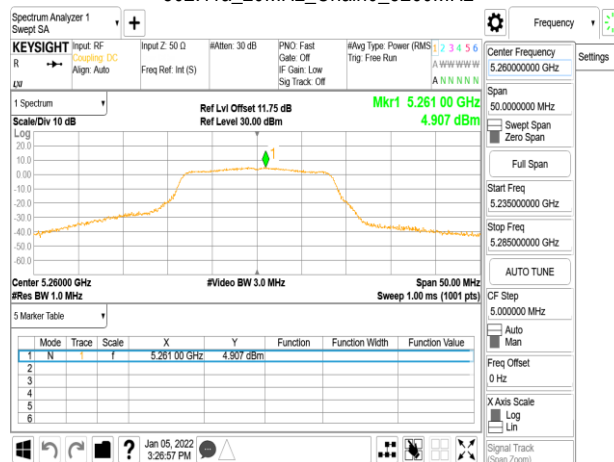
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802.11a\_20MHz\_Chain0\_5180MHz



802.11a\_20MHz\_Chain0\_5260MHz



802.11a\_20MHz\_Chain0\_5220MHz



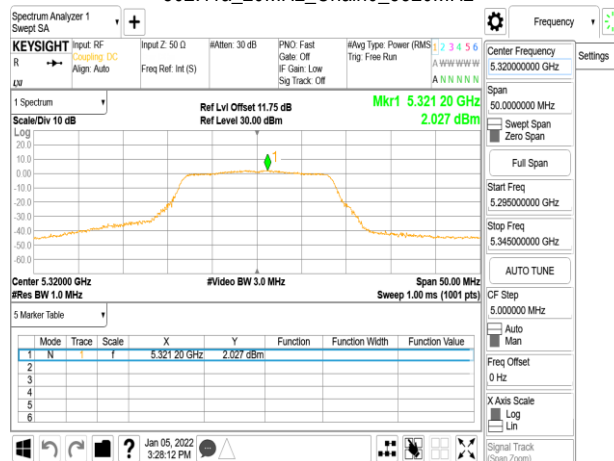
802.11a\_20MHz\_Chain0\_5300MHz



802.11a\_20MHz\_Chain0\_5240MHz



802.11a\_20MHz\_Chain0\_5320MHz



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802.11a\_20MHz\_Chain0\_5500MHz



802.11a\_20MHz\_Chain0\_5745MHz



802.11a\_20MHz\_Chain0\_5580MHz



802.11a\_20MHz\_Chain0\_5785MHz



802.11a\_20MHz\_Chain0\_5700MHz



802.11a\_20MHz\_Chain0\_5825MHz



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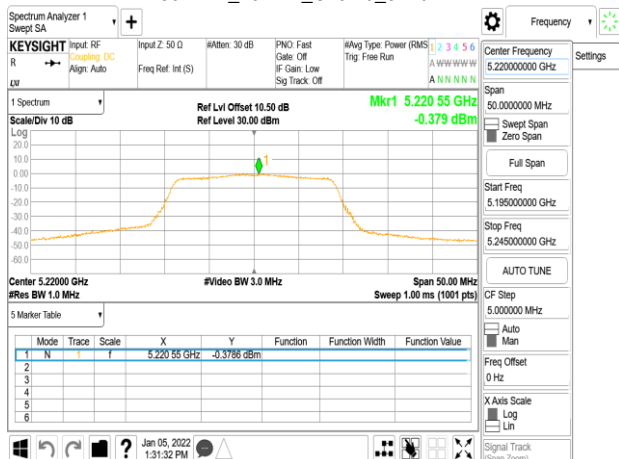
802.11n\_20MHz\_Chain0\_5180MHz



802.11n\_20MHz\_Chain0\_5260MHz



802.11n\_20MHz\_Chain0\_5220MHz



802.11n\_20MHz\_Chain0\_5300MHz



802.11n\_20MHz\_Chain0\_5240MHz



802.11n\_20MHz\_Chain0\_5320MHz

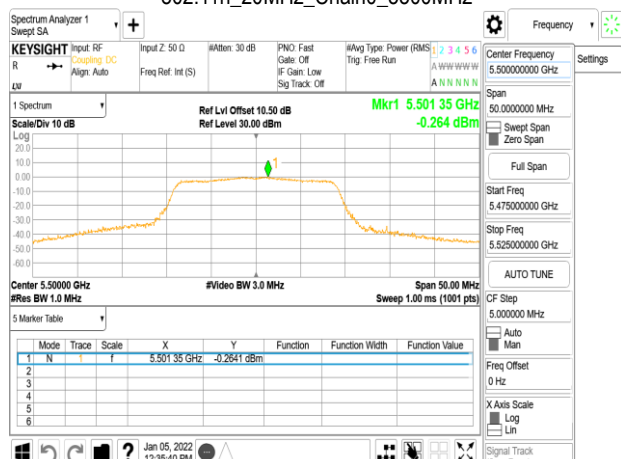


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802.11n\_20MHz\_Chain0\_5500MHz



802.11n\_20MHz\_Chain0\_5745MHz



802.11n\_20MHz\_Chain0\_5580MHz



802.11n\_20MHz\_Chain0\_5785MHz



802.11n\_20MHz\_Chain0\_5700MHz



802.11n\_20MHz\_Chain0\_5825MHz



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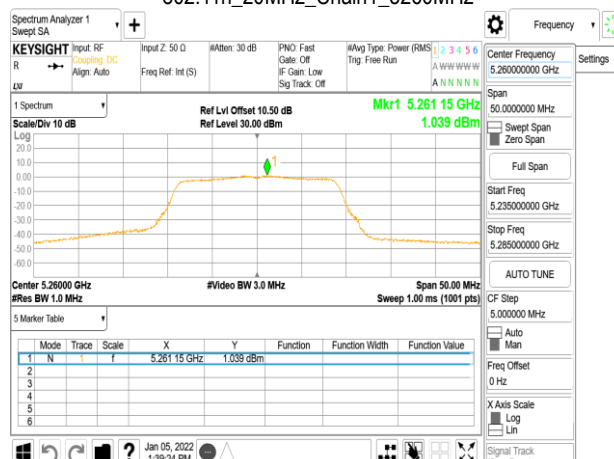
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802.11n\_20MHz\_Chain1\_5180MHz



802.11n\_20MHz\_Chain1\_5260MHz



802.11n\_20MHz\_Chain1\_5220MHz



802.11n\_20MHz\_Chain1\_5300MHz



802.11n\_20MHz\_Chain1\_5240MHz



802.11n\_20MHz\_Chain1\_5320MHz



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802.11n\_20MHz\_Chain1\_5500MHz



802.11n\_20MHz\_Chain1\_5745MHz



802.11n\_20MHz\_Chain1\_5580MHz



802.11n\_20MHz\_Chain1\_5785MHz



802.11n\_20MHz\_Chain1\_5700MHz



802.11n\_20MHz\_Chain1\_5825MHz



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802.11n\_40MHz\_Chain0\_5190MHz



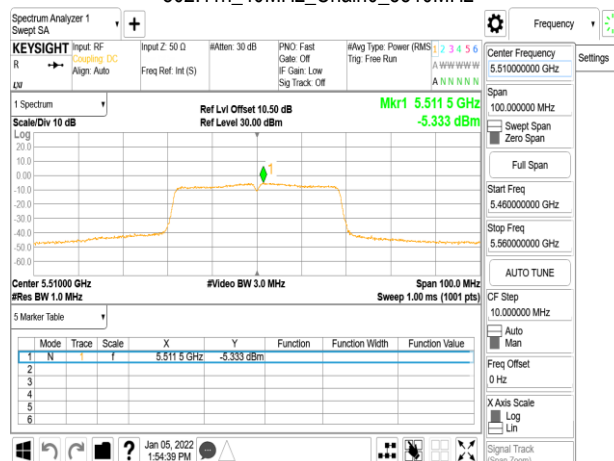
802.11n\_40MHz\_Chain0\_5310MHz



802.11n\_40MHz\_Chain0\_5230MHz



802.11n\_40MHz\_Chain0\_5510MHz



802.11n\_40MHz\_Chain0\_5270MHz



802.11n\_40MHz\_Chain0\_5550MHz



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802.11n\_40MHz\_Chain0\_5670MHz



802.11n\_40MHz\_Chain1\_5190MHz



802.11n\_40MHz\_Chain0\_5755MHz



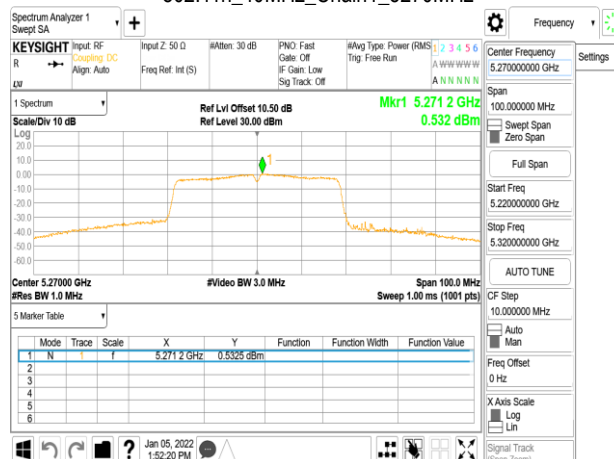
802.11n\_40MHz\_Chain1\_5230MHz



802.11n\_40MHz\_Chain0\_5795MHz



802.11n\_40MHz\_Chain1\_5270MHz



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802.11n\_40MHz\_Chain1\_5310MHz



802.11n\_40MHz\_Chain1\_5670MHz



802.11n\_40MHz\_Chain1\_5510MHz



802.11n\_40MHz\_Chain1\_5755MHz



802.11n\_40MHz\_Chain1\_5550MHz



802.11n\_40MHz\_Chain1\_5795MHz



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802.11ac\_80MHz\_Chain0\_5210MHz



802.11ac\_80MHz\_Chain0\_5610MHz



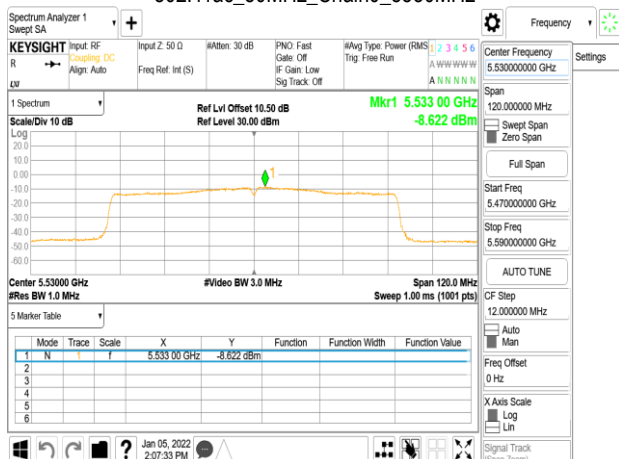
802.11ac\_80MHz\_Chain0\_5290MHz



802.11ac\_80MHz\_Chain0\_5775MHz



802.11ac\_80MHz\_Chain0\_5530MHz



802.11ac\_80MHz\_Chain1\_5210MHz



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802.11ac\_80MHz\_Chain1\_5290MHz



802.11ac\_80MHz\_Chain1\_5775MHz



802.11ac\_80MHz\_Chain1\_5530MHz



802.11ac\_80MHz\_Chain1\_5610MHz



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## 12 不必要發射限制之量測

### 12.1 適用標準

依據NCC低功率射頻器材技術規範5.7.4節之要求，在5.15 GHz~5.35 GHz 及5.470 GHz~5.725 GHz 頻段操作的發射器：帶外發射之有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz。

在5.725 GHz~5.850 GHz 的頻段操作之發射器：所有頻帶邊緣向外5 MHz 內頻率之發射，有效等向輻射功率(EIRP) $\leq$ 27 dBm/MHz~15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外5 MHz~25 MHz，有效等向輻射功率35(EIRP) $\leq$ 15.6 dBm/MHz~10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外25 MHz~75 MHz，有效等向輻射功率(EIRP) $\leq$ 10 dBm/MHz~-27 dBm/MHz(以線性法計算對應之限制值)；所有頻帶邊緣外 $\geq$ 75 MHz 的頻率之發射，有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz；有關遮罩限制值詳圖1。

| Frequencies (MHz) | EIRP Limit (dBm) | Equivalent Field Strength at 3m (dBuV/m) |
|-------------------|------------------|------------------------------------------|
| 5150 – 5250       | -27              | 68.2                                     |
| 5250 – 5350       | -27              | 68.2                                     |
| 5470 - 5725       | -27              | 68.2                                     |
| 5725 - 5850       | -27              | 68.2                                     |

Limit derivation in terms of Field Strength:

$EIRP = (E \cdot d)^2 / 30$ , where E is the field in V/m, d is the measurement distance (3m),

EIRP is the equivalent isotropically radiated power in Watts.

$E = 1000000 \cdot (30 \cdot EIRP)^{1/2} / 3$  uV/m

= 68.2dBuV/m

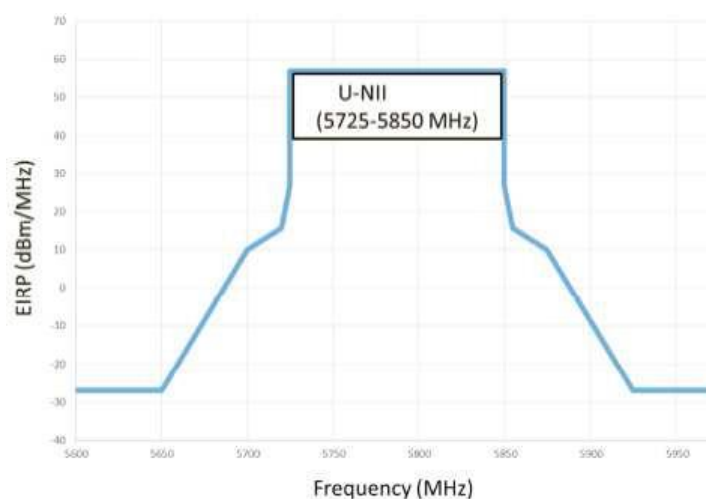


圖 1

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## 12.2 量測儀器

| Radiated Emission Test Site: SAC 1 |                 |                    |                  |            |            |
|------------------------------------|-----------------|--------------------|------------------|------------|------------|
| EQUIPMENT TYPE                     | MFR             | MODEL NUMBER       | SERIAL NUMBER    | LAST CAL.  | CAL DUE.   |
| Horn Antenna                       | SCHWARZBECK     | BBHA9120D          | D803             | 12/20/2021 | 12/19/2022 |
| Bi-log Antenna                     | TESEO           | CBL 6112D          | 35242 & AT-N0555 | 01/13/2021 | 01/12/2022 |
| Horn Antenna                       | SCHWARZBECK     | BBHA9170           | 185              | 08/06/2021 | 08/05/2022 |
| Loop Antenna                       | ETS.LINDGREEN   | 6502               | 148045           | 09/29/2021 | 09/28/2022 |
| Spectrum Analyzer                  | Agilent         | E4446A             | MY51100003       | 10/26/2021 | 10/25/2022 |
| EMI Test Receiver                  | R&S             | ESCI 7             | 100759           | 08/26/2021 | 08/25/2022 |
| Site Cal                           | SGS             | SAC 1              | N/A              | 01/01/2022 | 12/31/2022 |
| Pre-Amplifier                      | EMC Instruments | EMC184045B         | 980135           | 10/27/2021 | 10/26/2022 |
| Pre-Amplifier                      | HP              | 8449B              | 3008A01973       | 12/16/2021 | 12/15/2022 |
| Pre-Amplifier                      | HP              | 8447D              | 2944A09469       | 12/16/2021 | 12/15/2022 |
| Bandreject Filter 5150-5350        | Micro-Tronics   | BRM50703           | 1                | 12/14/2021 | 12/13/2022 |
| Bandreject Filter 5470-5725        | Micro-Tronics   | BRM50704           | 1                | 12/14/2021 | 12/13/2022 |
| Bandreject Filter 5725-5875        | Micro-Tronics   | BRM50705           | 1                | 12/14/2021 | 12/13/2022 |
| 7GHz High Pass Filter              | WI              | WHKX10-6090-80SS   | 3                | 12/14/2021 | 12/13/2022 |
| Coaxial Cable                      | Huber Suhner    | succoflex 102      | MY2622/2         | 12/16/2021 | 12/15/2022 |
| Coaxial Cable                      | Huber Suhner    | succoflex 104A     | 800086/4a        | 12/16/2021 | 12/15/2022 |
| Coaxial Cable                      | Huber Suhner    | EMC 104-SM-SM-2000 | 160123           | 12/16/2021 | 12/15/2022 |
| Coaxial Cable                      | Huber Suhner    | SUCOFLEX 102       | MY2630/2         | 12/16/2021 | 12/15/2022 |
| Coaxial Cable                      | Huber Suhner    | SUCOFLEX 102       | MY22962/2        | 12/16/2021 | 12/15/2022 |

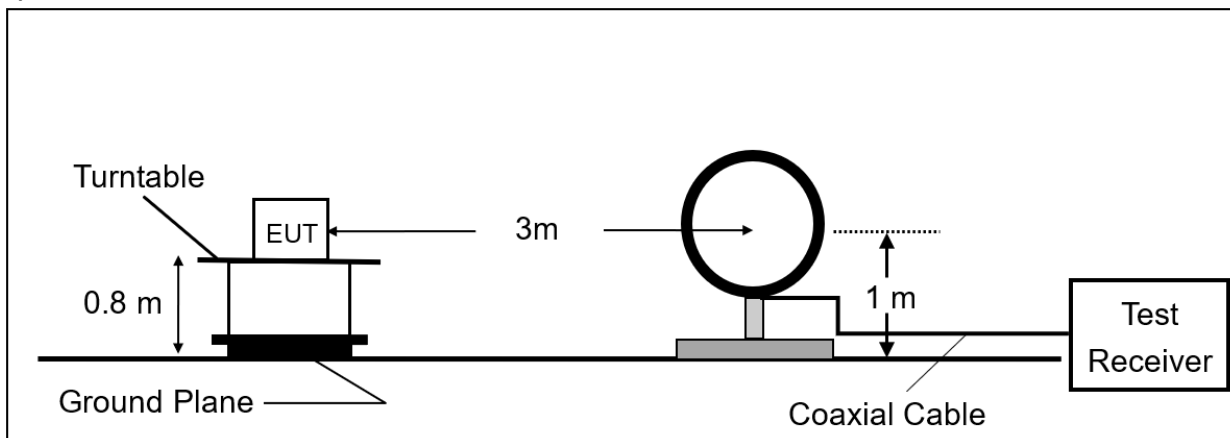
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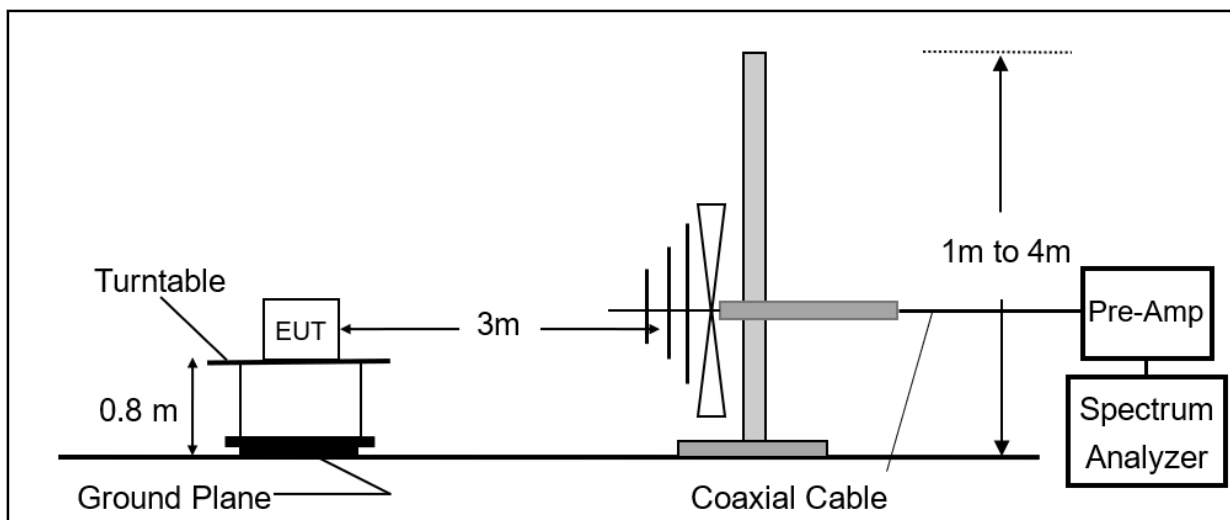
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## 12.3 輻射之測試配置

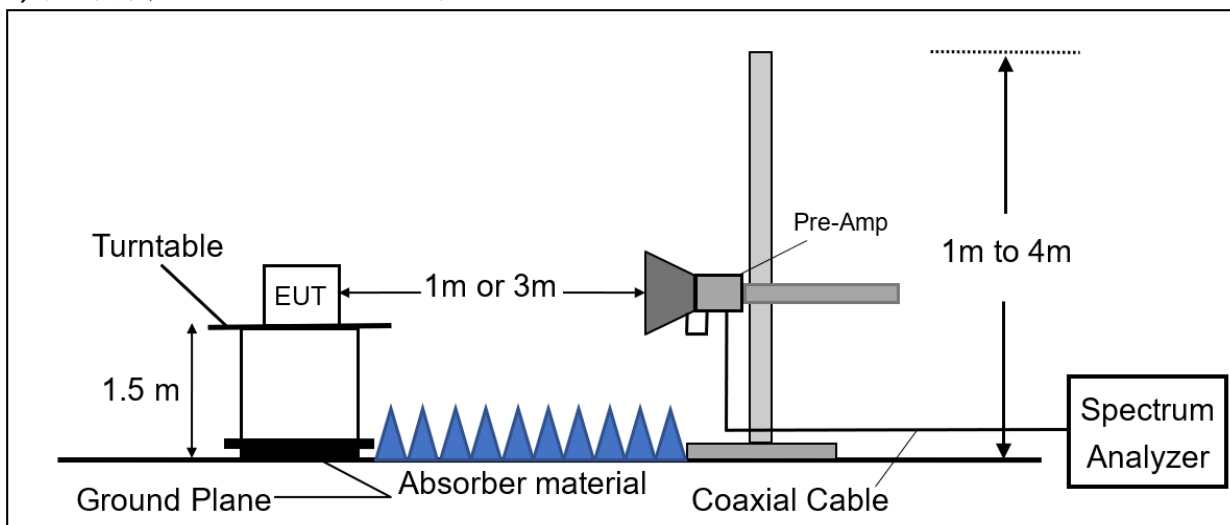
### (A) 量測頻率低於 30MHz 以下之測試配置



### (B) 量測頻率 30MHz 至 1000MHz 之測試配置



### (C) 量測頻率 1000MHz 以上之測試配置



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## 12.4 量測方法

將待測物置於非金屬桌面，測試頻率1GHz以下時，使用桌高0.8 米，1GHz以上時，使用桌高1.5米，使其在工作狀態，接收天線置於 3 米外相同的高度。待測物分別要垂直或水平放置，而且桌面要 360 度旋轉，另外接收天線也要從 1.0 米至 4.0 米升降變化，以找出最大的輻射電場強度，接收天線置於水平、垂直極向各執行測試一次。

以下為頻譜儀的設定：

| 頻率                                                       | RBW    | VBW    | Detector   |
|----------------------------------------------------------|--------|--------|------------|
| 9kHz~150kHz                                              | 300Hz  | 300Hz  | Quasi-Peak |
| 150kHz~30MHz                                             | 10kHz  | 10kHz  | Quasi-Peak |
| 30MHz~1GHz                                               | 100kHz | 300kHz | Peak       |
| 30MHz~1GHz                                               | 120kHz | 360kHz | Quasi-Peak |
| 1GHz以上<br>Maximum Emission Measurements                  | 1MHz   | 3MHz   | Peak       |
| 1GHz以上 Duty Cycle ≥ 98%<br>Average Emission Measurements | 1MHz   | 10Hz   | Peak       |
| 1GHz以上 Duty Cycle < 98%<br>Average Emission Measurements | 1MHz   | 1/T    | Peak       |

## 12.5 場強計算

- Distance extrapolation =  $40 \cdot \log (\text{Required Distance(m)} / \text{Test Distance(m)})$
- Emission level (dBμV/m) =  $20 \log \text{Emission level } (\mu\text{V/m})$
- Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)  
Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre\_Amplifier Gain(dB)

註：

9 kHz ~ 30MHz 之輻射量測皆低於限制值 20dB 以上，依據LP0002 6.13規定混附發射毋需記錄。輻射量測僅放最差模式（30MHz 以上）。

依裝置使用模式比較 H、E1和E2 PLANE 測試值，附上最差模式數據。

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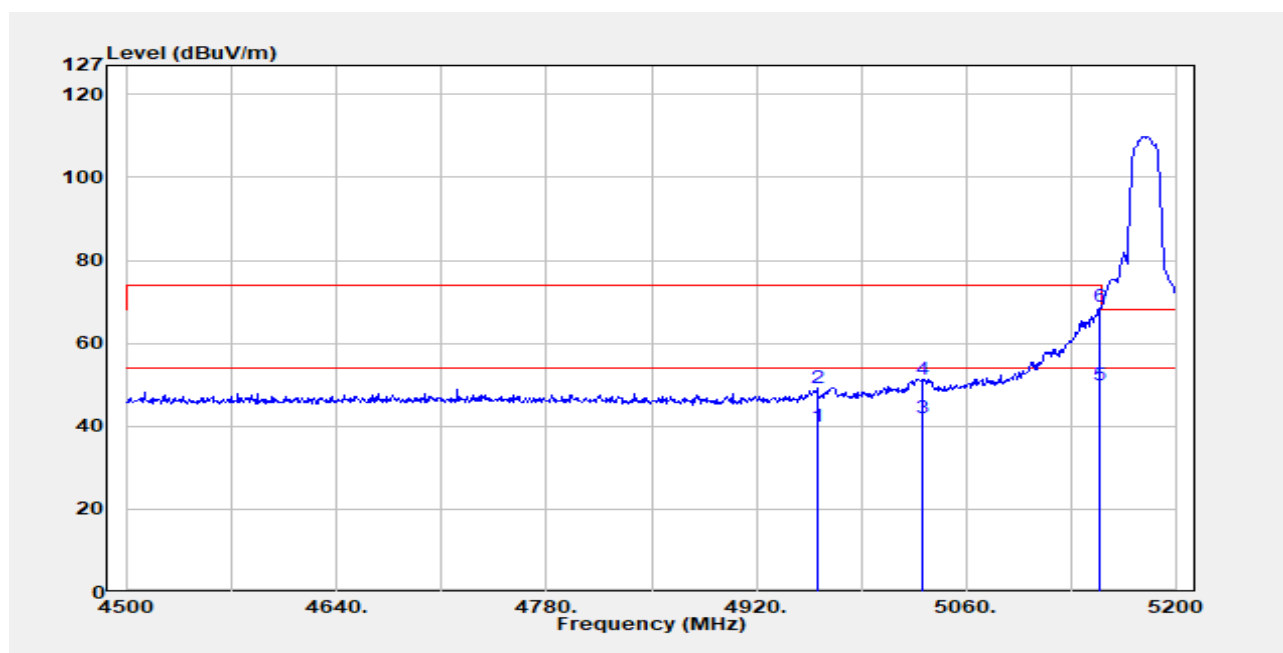
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## 12.6 禁用頻帶邊緣量測

Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5180 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4960.60      | Average                      | 32.83                                   | 7.06         | 39.89                        | 54.00                        | -14.11       |
| 4960.60      | Peak                         | 42.25                                   | 7.06         | 49.32                        | 74.00                        | -24.68       |
| 5031.30      | Average                      | 34.35                                   | 7.63         | 41.98                        | 54.00                        | -12.02       |
| 5031.30      | Peak                         | 43.60                                   | 7.63         | 51.23                        | 74.00                        | -22.77       |
| 5150.00      | Average                      | 42.07                                   | 7.82         | 49.89                        | 54.00                        | -4.11        |
| 5150.00      | Peak                         | 60.91                                   | 7.82         | 68.73                        | 74.00                        | -5.27        |

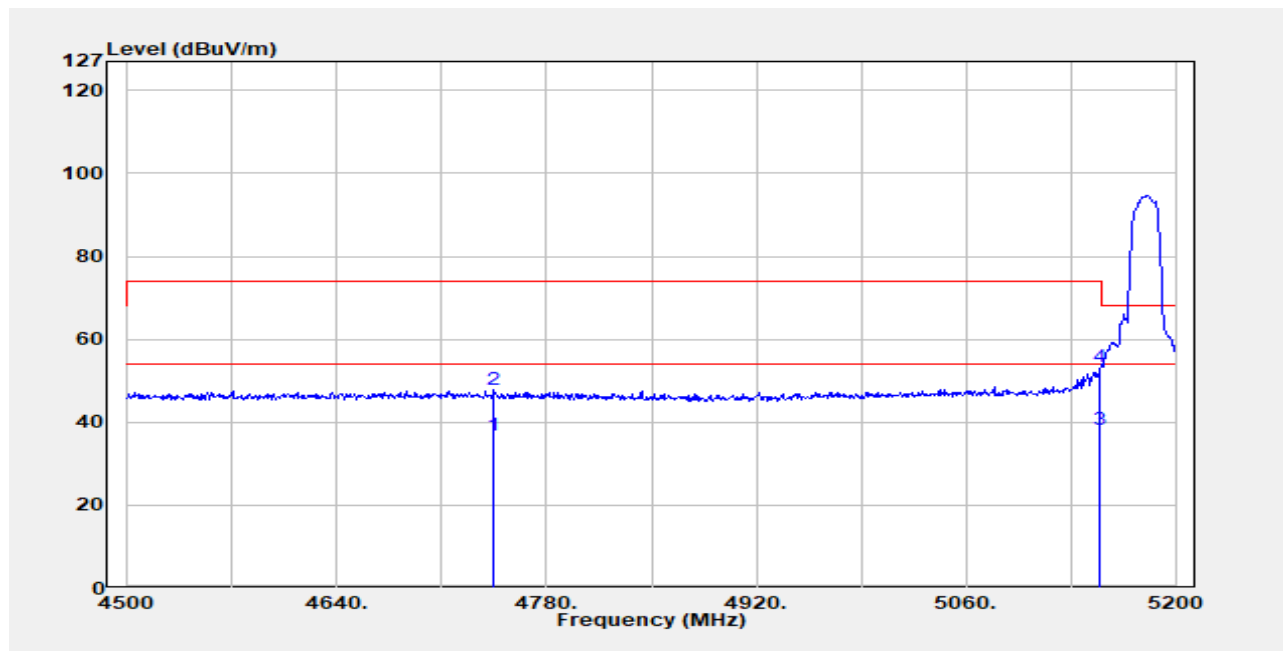
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5180 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4745.00      | Average                      | 30.13                             | 6.54         | 36.67                  | 54.00                  | -17.33       |
| 4745.00      | Peak                         | 41.18                             | 6.54         | 47.71                  | 74.00                  | -26.29       |
| 5150.00      | Average                      | 30.46                             | 7.82         | 38.28                  | 54.00                  | -15.72       |
| 5150.00      | Peak                         | 45.62                             | 7.82         | 53.44                  | 74.00                  | -20.56       |

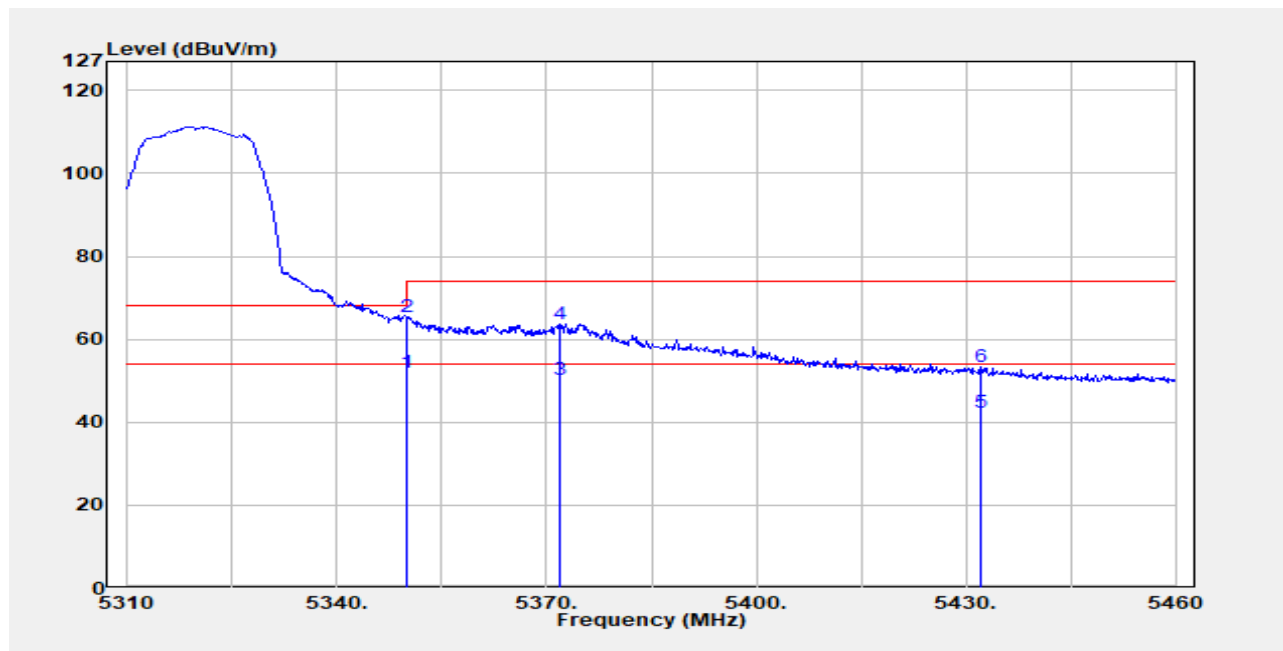
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5320 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00      | Average                      | 43.42                             | 8.68         | 52.10                  | 54.00                  | -1.90        |
| 5350.00      | Peak                         | 56.65                             | 8.68         | 65.33                  | 74.00                  | -8.67        |
| 5371.95      | Average                      | 41.31                             | 8.93         | 50.24                  | 54.00                  | -3.76        |
| 5371.95      | Peak                         | 54.77                             | 8.93         | 63.70                  | 74.00                  | -10.30       |
| 5432.10      | Average                      | 33.33                             | 8.91         | 42.24                  | 54.00                  | -11.76       |
| 5432.10      | Peak                         | 44.52                             | 8.91         | 53.43                  | 74.00                  | -20.57       |

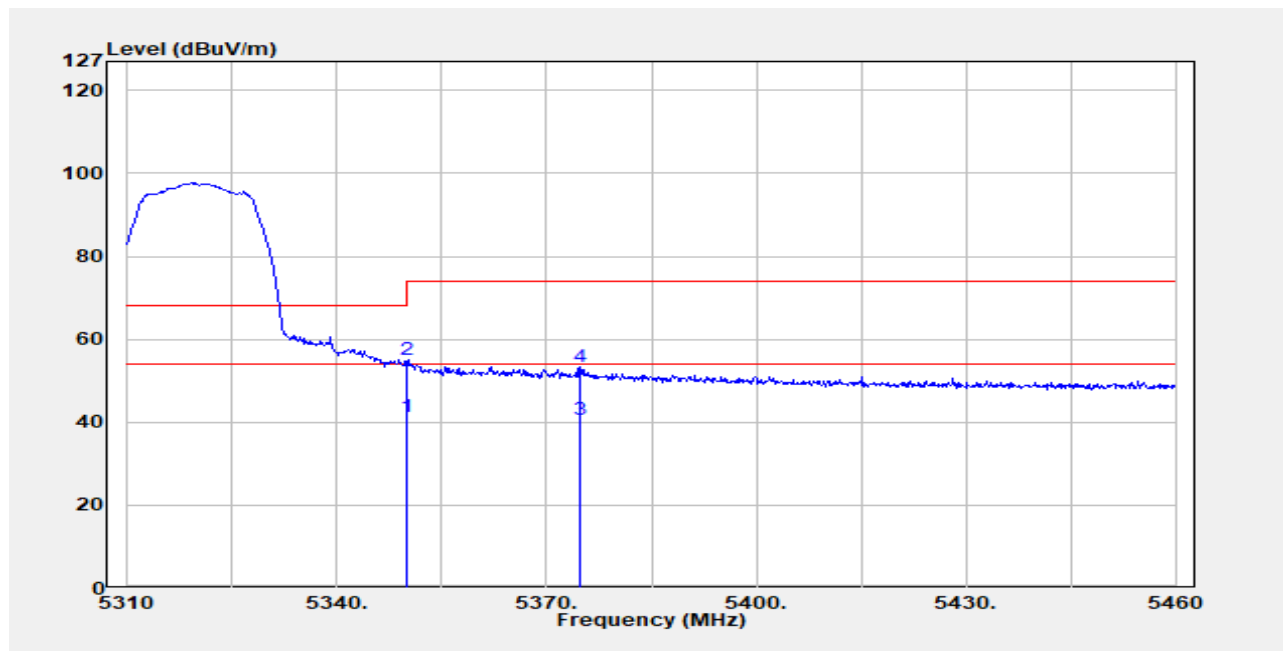
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5320 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00      | Average                      | 32.79                             | 8.68         | 41.47                  | 54.00                  | -12.53       |
| 5350.00      | Peak                         | 46.30                             | 8.68         | 54.98                  | 74.00                  | -19.02       |
| 5374.80      | Average                      | 31.60                             | 8.96         | 40.56                  | 54.00                  | -13.44       |
| 5374.80      | Peak                         | 44.36                             | 8.96         | 53.32                  | 74.00                  | -20.68       |

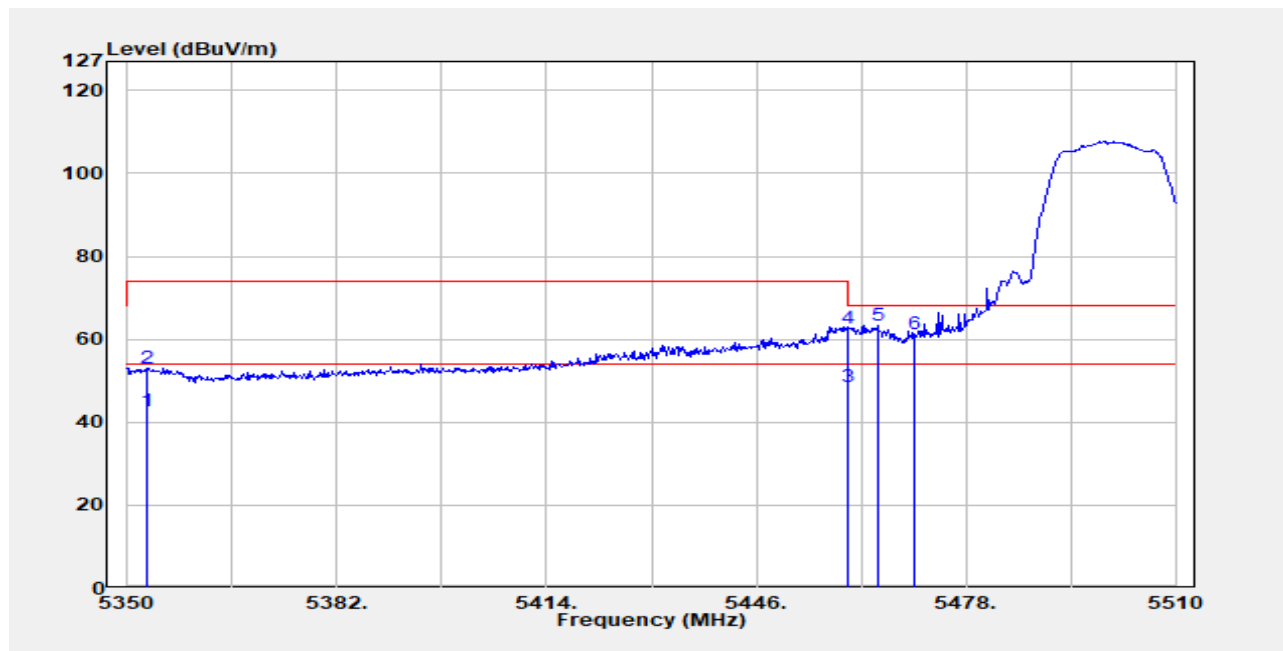
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5500 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5352.88      | Average                      | 34.02                             | 8.71         | 42.73                  | 54.00                  | -11.27       |
| 5352.88      | Peak                         | 44.38                             | 8.71         | 53.09                  | 74.00                  | -20.91       |
| 5460.00      | Average                      | 39.87                             | 8.66         | 48.53                  | 54.00                  | -5.47        |
| 5460.00      | Peak                         | 54.07                             | 8.66         | 62.73                  | 74.00                  | -11.27       |
| 5464.56      | Peak                         | 54.64                             | 8.63         | 63.27                  | 68.20                  | -4.93        |
| 5470.00      | Peak                         | 52.69                             | 8.59         | 61.29                  | 68.20                  | -6.91        |

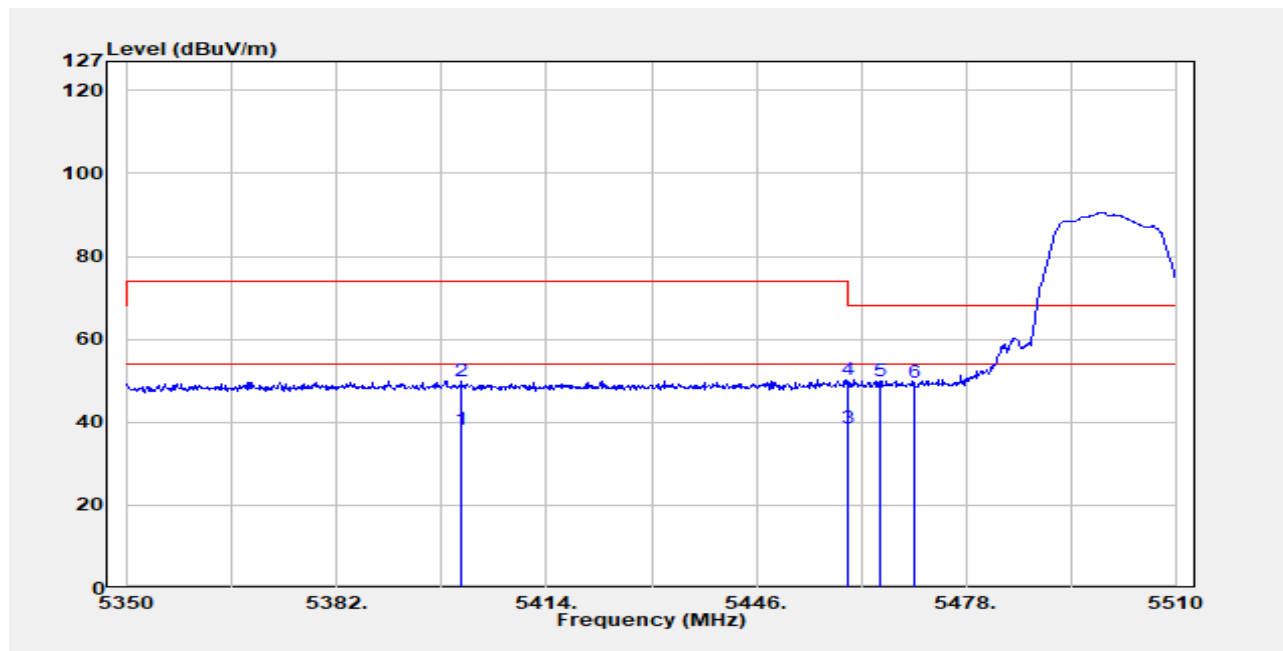
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 Operation Mode :802.11a  
 Test Frequency :5500 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5401.04      | Average                      | 29.11                             | 9.23         | 38.34                  | 54.00                  | -15.66       |
| 5401.04      | Peak                         | 40.75                             | 9.23         | 49.98                  | 74.00                  | -24.02       |
| 5460.00      | Average                      | 30.01                             | 8.66         | 38.67                  | 54.00                  | -15.33       |
| 5460.00      | Peak                         | 41.52                             | 8.66         | 50.18                  | 74.00                  | -23.82       |
| 5465.04      | Peak                         | 41.33                             | 8.63         | 49.96                  | 68.20                  | -18.24       |
| 5470.00      | Peak                         | 40.89                             | 8.59         | 49.48                  | 68.20                  | -18.72       |

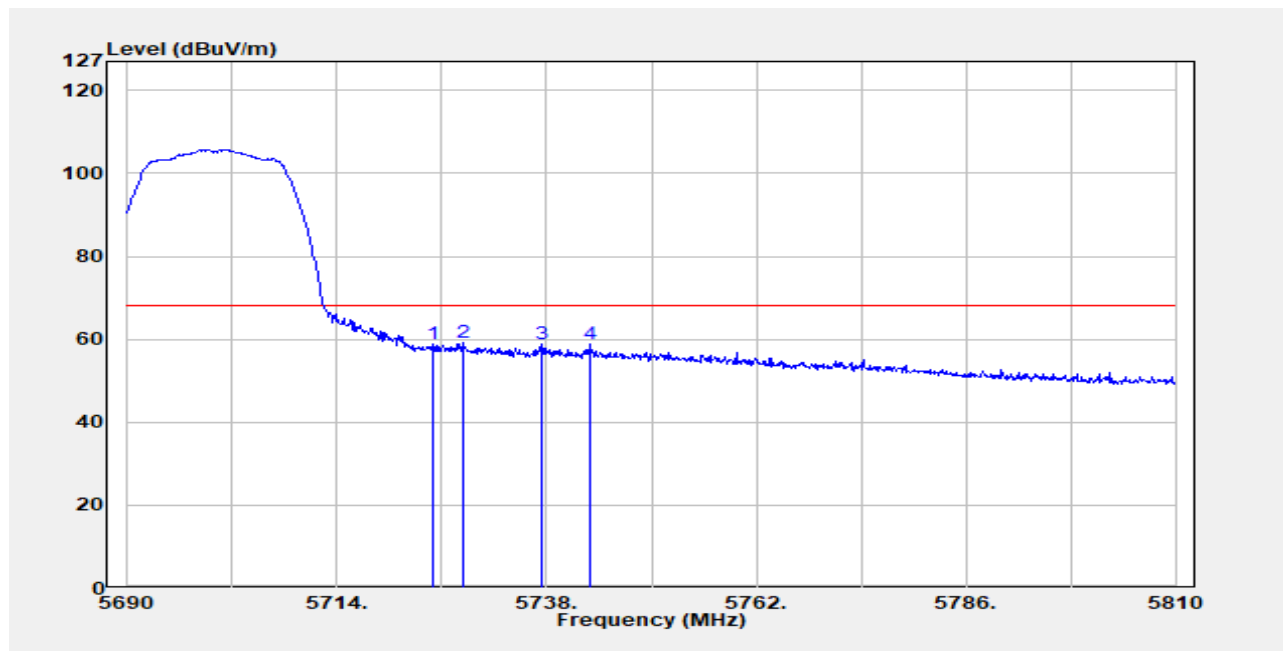
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5700 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.04      | Peak                         | 50.58                             | 8.42         | 59.01                  | 68.20                  | -9.19        |
| 5728.40      | Peak                         | 50.89                             | 8.44         | 59.34                  | 68.20                  | -8.86        |
| 5737.52      | Peak                         | 50.45                             | 8.50         | 58.95                  | 68.20                  | -9.25        |
| 5742.92      | Peak                         | 50.15                             | 8.54         | 58.69                  | 68.20                  | -9.51        |

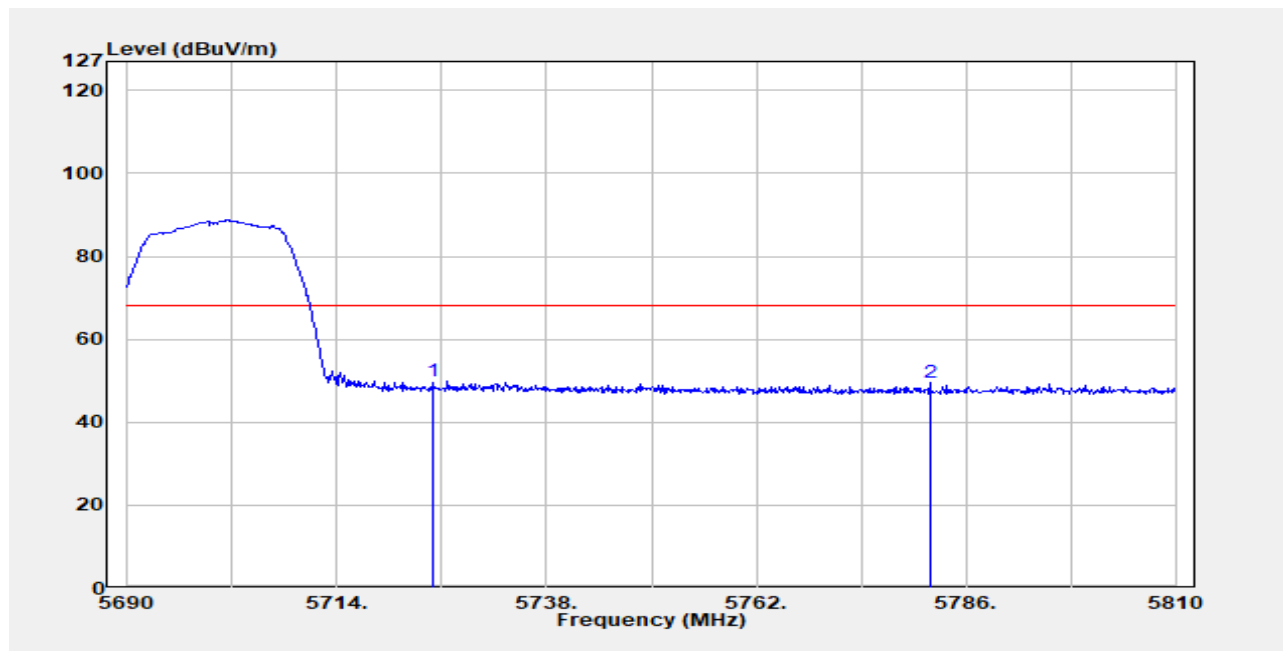
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 Operation Mode :802.11a  
 Test Frequency :5700 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00      | Peak                         | 41.39                             | 8.42         | 49.81                  | 68.20                  | -18.39       |
| 5781.92      | Peak                         | 40.81                             | 8.74         | 49.54                  | 68.20                  | -18.66       |

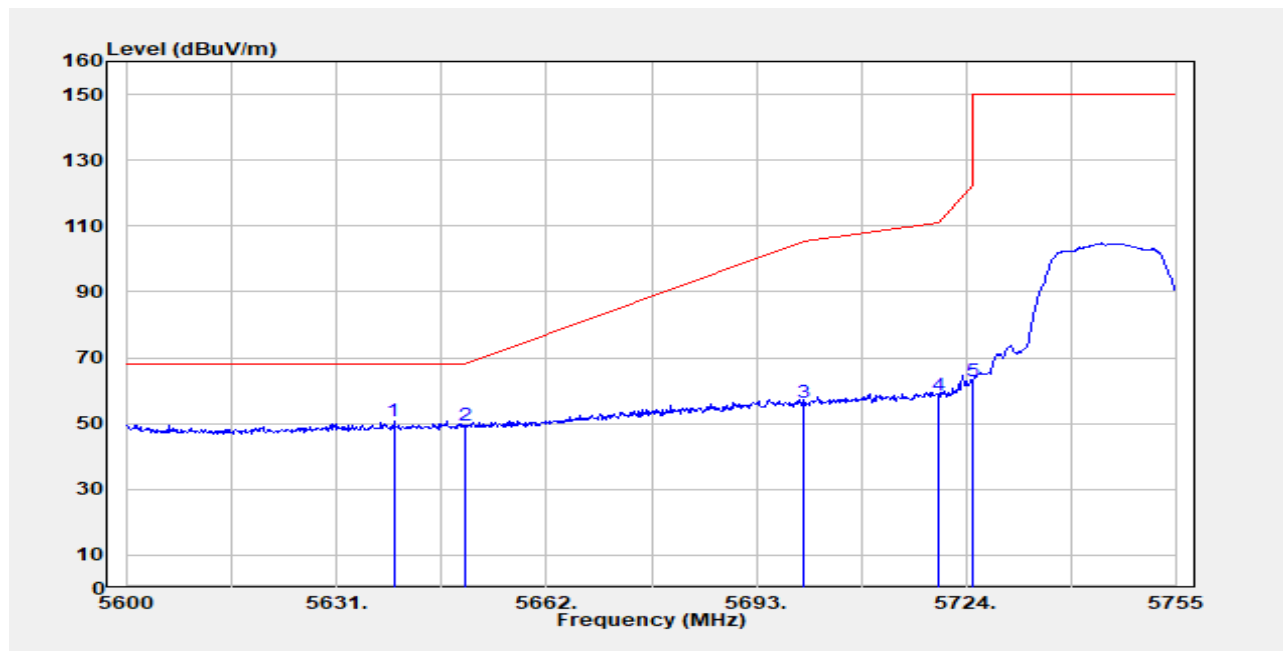
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5745 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5639.37      | Peak                         | 42.98                             | 7.79         | 50.76                  | 68.20                  | -17.44       |
| 5650.00      | Peak                         | 41.72                             | 7.80         | 49.52                  | 68.20                  | -18.68       |
| 5700.00      | Peak                         | 48.24                             | 8.25         | 56.49                  | 105.20                 | -48.71       |
| 5720.00      | Peak                         | 50.30                             | 8.39         | 58.69                  | 110.80                 | -52.11       |
| 5725.00      | Peak                         | 54.66                             | 8.42         | 63.09                  | 122.20                 | -59.11       |

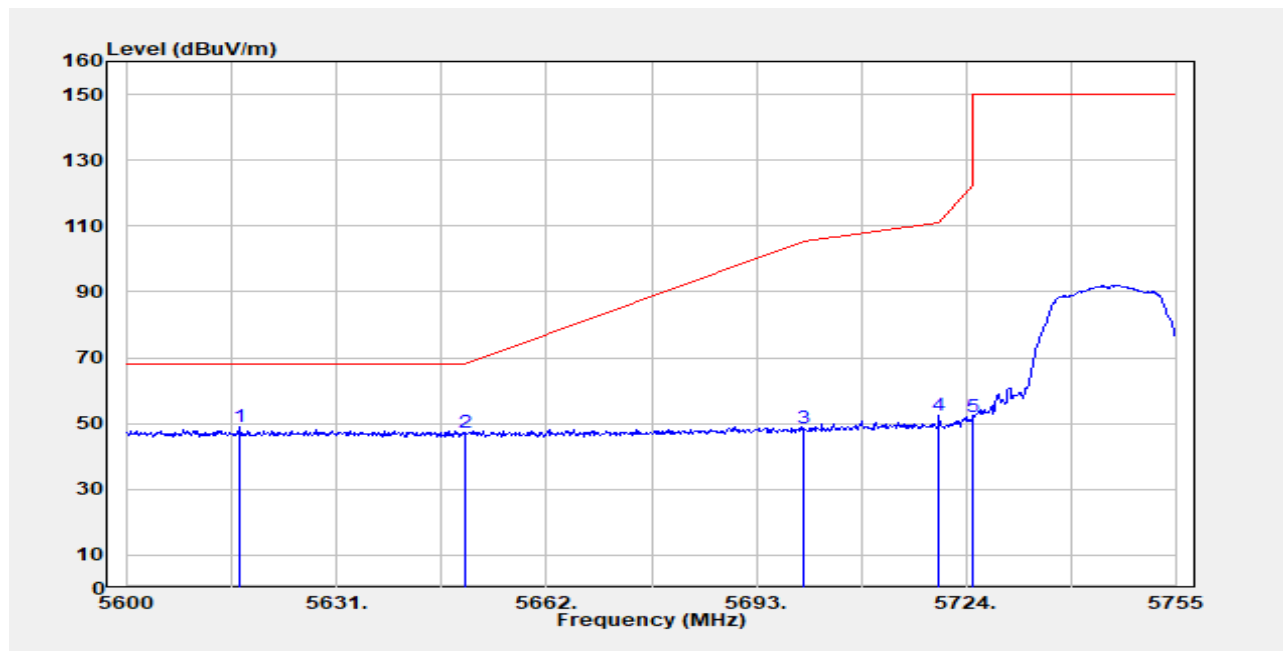
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5745 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5616.43      | Peak                         | 41.37                             | 7.76         | 49.13                  | 68.20                  | -19.07       |
| 5650.00      | Peak                         | 39.27                             | 7.80         | 47.07                  | 68.20                  | -21.13       |
| 5700.00      | Peak                         | 40.21                             | 8.25         | 48.47                  | 105.20                 | -56.73       |
| 5720.00      | Peak                         | 43.89                             | 8.39         | 52.28                  | 110.80                 | -58.52       |
| 5725.00      | Peak                         | 43.77                             | 8.42         | 52.19                  | 122.20                 | -70.01       |

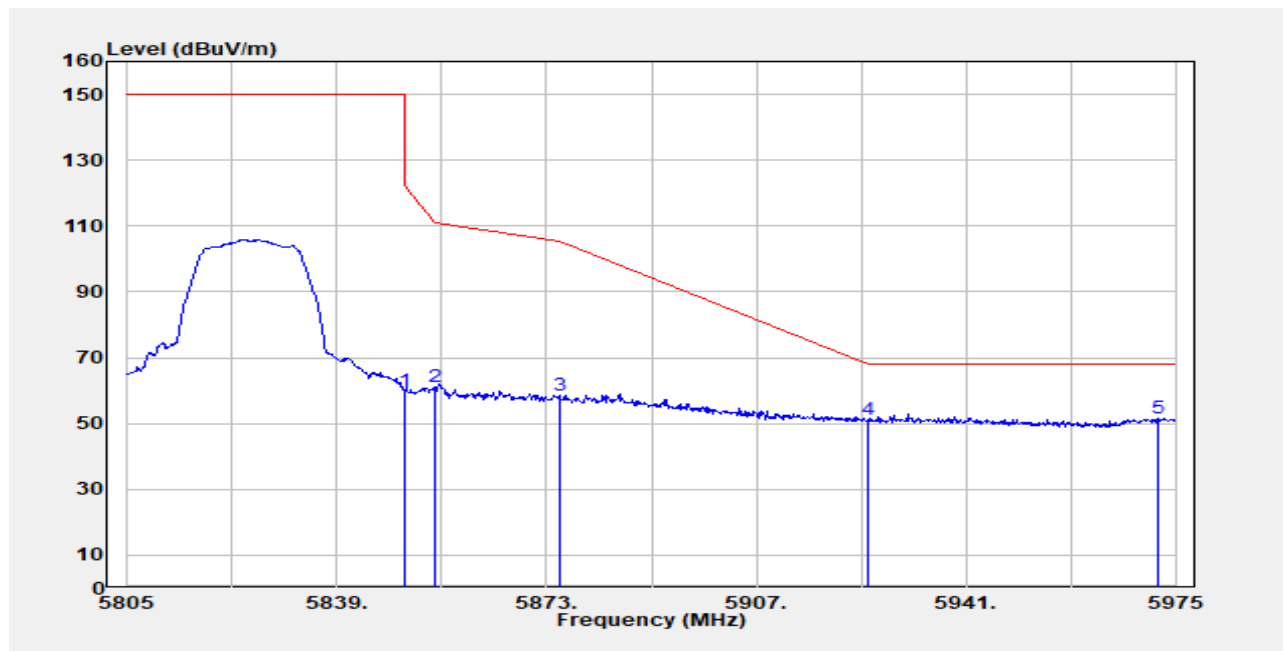
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5825 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00      | Peak                         | 51.04                             | 8.93         | 59.97                  | 122.20                 | -62.23       |
| 5855.00      | Peak                         | 52.33                             | 8.93         | 61.25                  | 110.80                 | -49.55       |
| 5875.00      | Peak                         | 49.48                             | 8.89         | 58.37                  | 105.20                 | -46.83       |
| 5925.00      | Peak                         | 42.24                             | 8.85         | 51.08                  | 68.20                  | -17.12       |
| 5972.28      | Peak                         | 42.89                             | 8.70         | 51.60                  | 68.20                  | -16.60       |

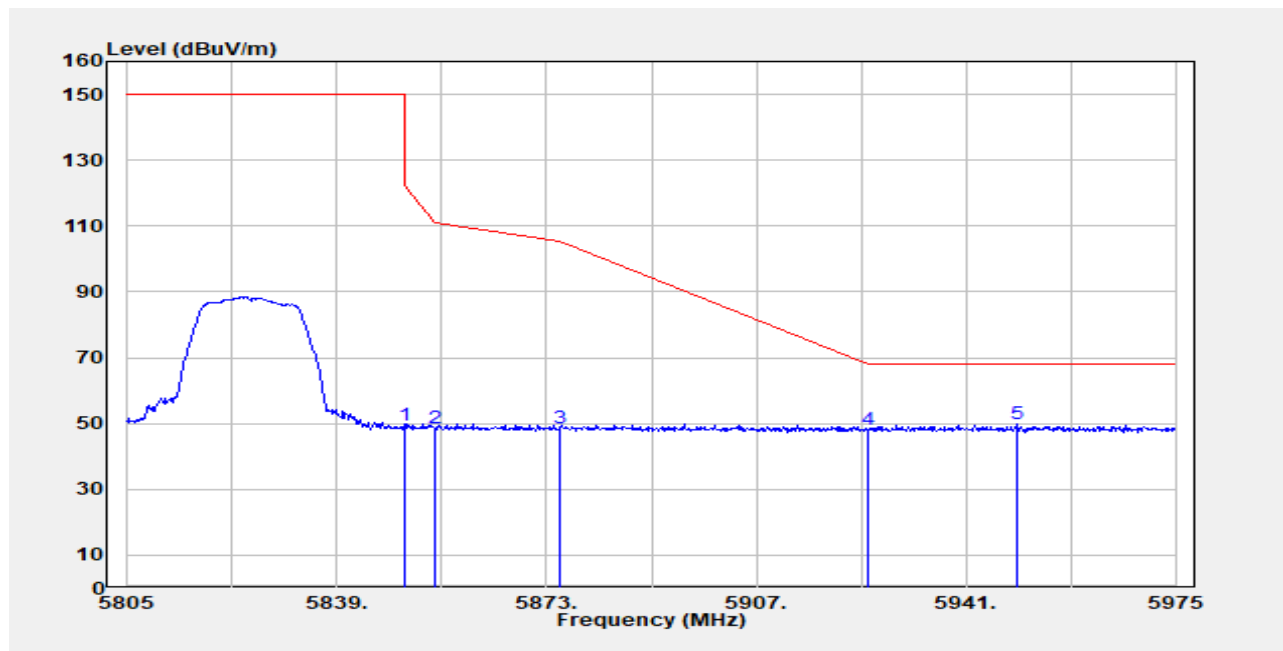
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5825 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00      | Peak                         | 40.62                             | 8.93         | 49.56                  | 122.20                 | -72.64       |
| 5855.00      | Peak                         | 39.54                             | 8.93         | 48.46                  | 110.80                 | -62.34       |
| 5875.00      | Peak                         | 39.80                             | 8.89         | 48.69                  | 105.20                 | -56.51       |
| 5925.00      | Peak                         | 39.15                             | 8.85         | 47.99                  | 68.20                  | -20.21       |
| 5949.33      | Peak                         | 41.19                             | 8.84         | 50.03                  | 68.20                  | -18.17       |

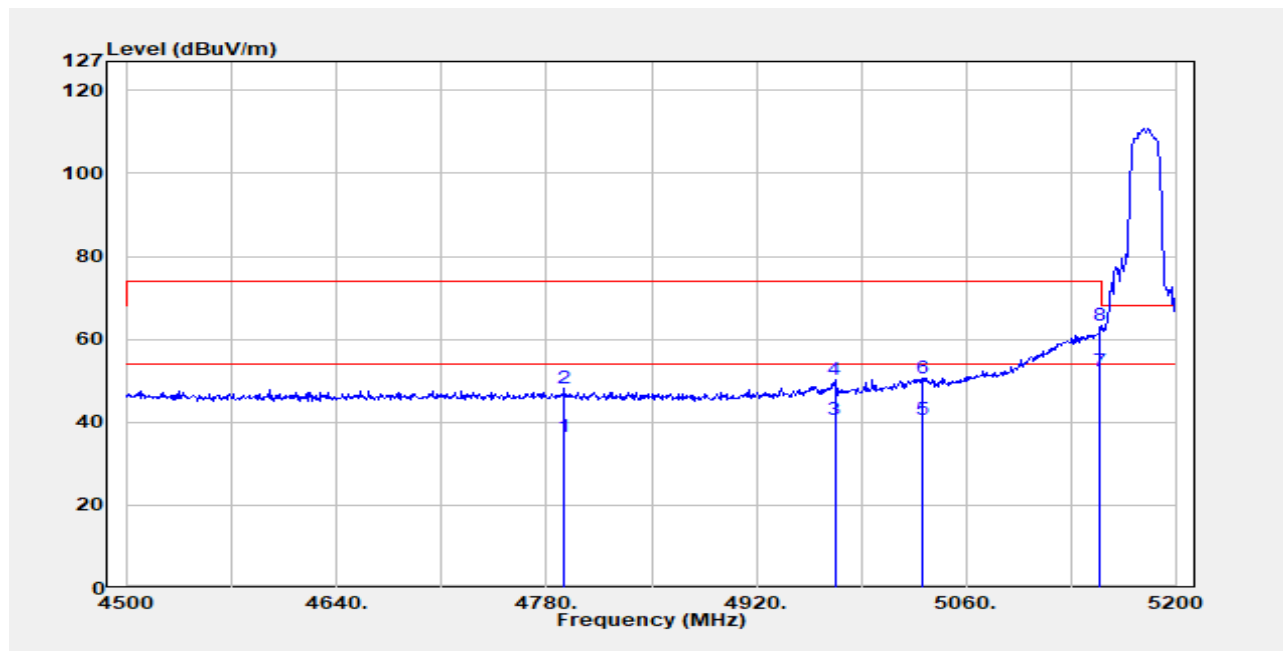
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5180 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4791.90      | Average                      | 30.12                             | 6.51         | 36.63                  | 54.00                  | -17.37       |
| 4791.90      | Peak                         | 41.64                             | 6.51         | 48.15                  | 74.00                  | -25.85       |
| 4972.50      | Average                      | 33.28                             | 7.18         | 40.46                  | 54.00                  | -13.54       |
| 4972.50      | Peak                         | 43.24                             | 7.18         | 50.42                  | 74.00                  | -23.58       |
| 5030.60      | Average                      | 33.14                             | 7.63         | 40.77                  | 54.00                  | -13.23       |
| 5030.60      | Peak                         | 42.94                             | 7.63         | 50.56                  | 74.00                  | -23.44       |
| 5150.00      | Average                      | 44.39                             | 7.82         | 52.21                  | 54.00                  | -1.79        |
| 5150.00      | Peak                         | 55.41                             | 7.82         | 63.23                  | 74.00                  | -10.77       |

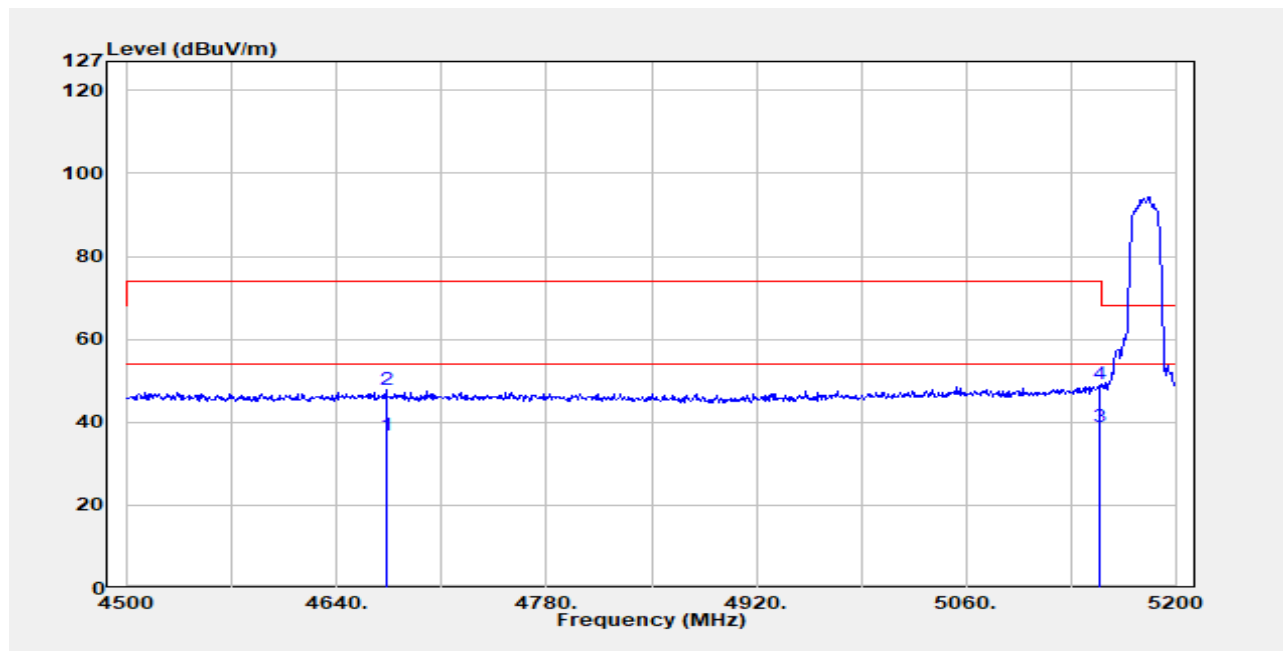
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5180 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4672.90      | Average                      | 30.18                             | 6.55         | 36.73                  | 54.00                  | -17.27       |
| 4672.90      | Peak                         | 41.45                             | 6.55         | 48.01                  | 74.00                  | -25.99       |
| 5150.00      | Average                      | 30.92                             | 7.82         | 38.74                  | 54.00                  | -15.26       |
| 5150.00      | Peak                         | 41.44                             | 7.82         | 49.26                  | 74.00                  | -24.74       |

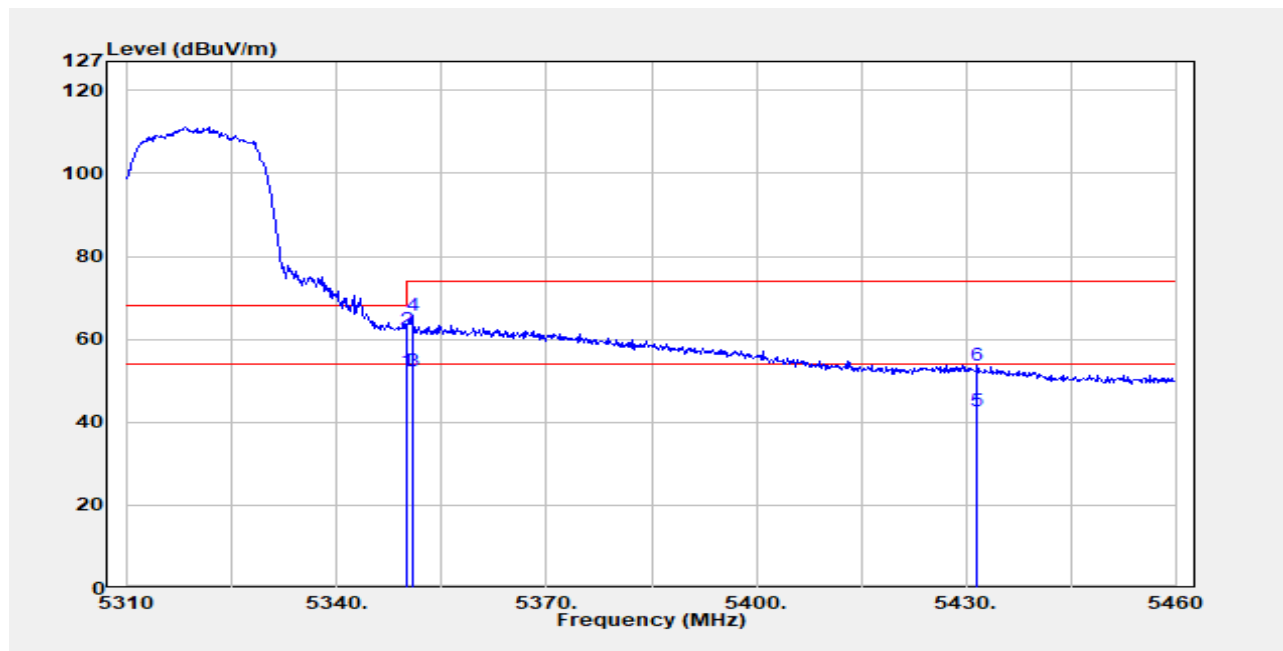
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5320 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00      | Average                      | 43.74                             | 8.68         | 52.42                  | 54.00                  | -1.58        |
| 5350.00      | Peak                         | 53.56                             | 8.68         | 62.24                  | 74.00                  | -11.76       |
| 5350.80      | Average                      | 43.59                             | 8.69         | 52.28                  | 54.00                  | -1.72        |
| 5350.80      | Peak                         | 57.16                             | 8.69         | 65.85                  | 74.00                  | -8.15        |
| 5431.65      | Average                      | 33.91                             | 8.91         | 42.82                  | 54.00                  | -11.18       |
| 5431.65      | Peak                         | 44.83                             | 8.91         | 53.74                  | 74.00                  | -20.26       |

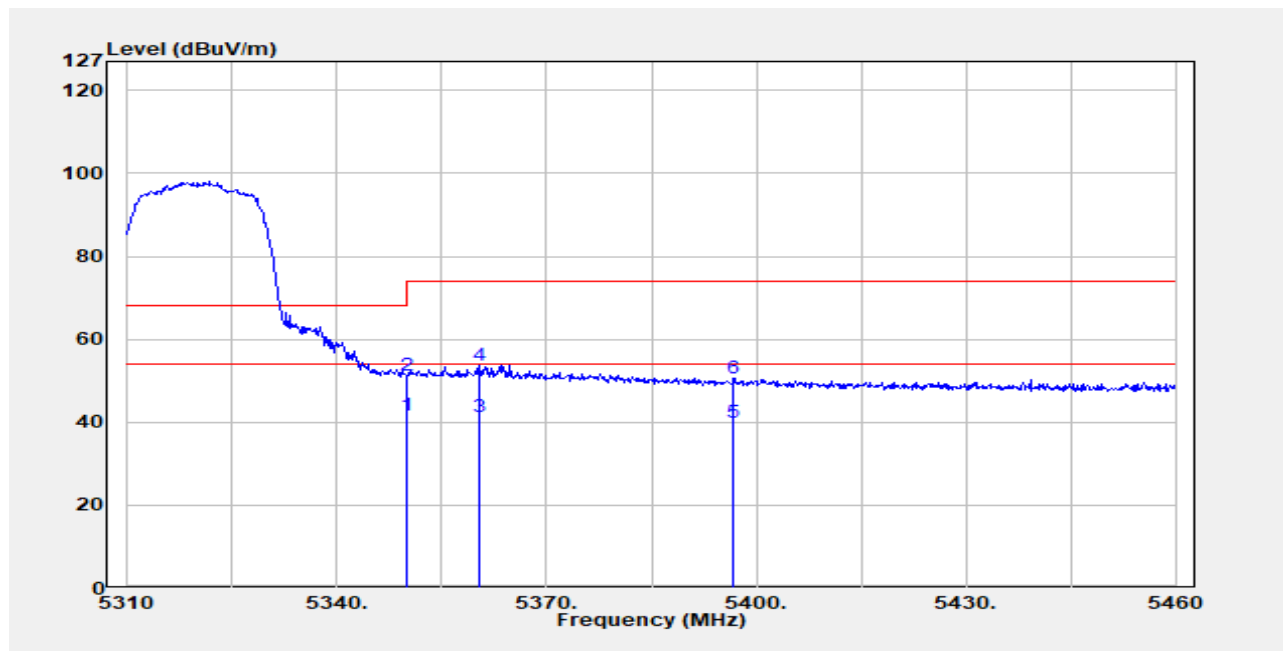
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5320 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00      | Average                      | 33.11                             | 8.68         | 41.79                  | 54.00                  | -12.21       |
| 5350.00      | Peak                         | 42.52                             | 8.68         | 51.19                  | 74.00                  | -22.81       |
| 5360.40      | Average                      | 32.59                             | 8.80         | 41.39                  | 54.00                  | -12.61       |
| 5360.40      | Peak                         | 44.91                             | 8.80         | 53.70                  | 74.00                  | -20.30       |
| 5396.70      | Average                      | 30.66                             | 9.21         | 39.87                  | 54.00                  | -14.13       |
| 5396.70      | Peak                         | 41.41                             | 9.21         | 50.62                  | 74.00                  | -23.38       |

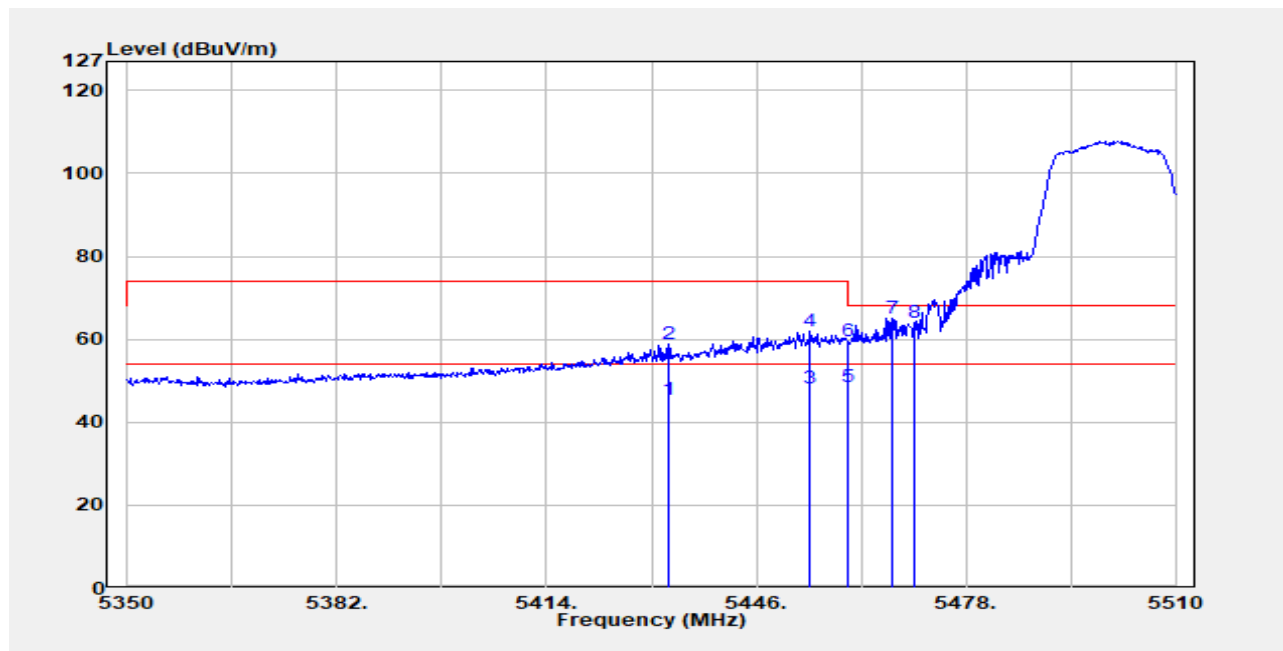
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5500 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5432.72      | Average                      | 36.57                             | 8.90         | 45.47                  | 54.00                  | -8.53        |
| 5432.72      | Peak                         | 49.97                             | 8.90         | 58.87                  | 74.00                  | -15.13       |
| 5454.16      | Average                      | 39.33                             | 8.70         | 48.03                  | 54.00                  | -5.97        |
| 5454.16      | Peak                         | 53.18                             | 8.70         | 61.87                  | 74.00                  | -12.13       |
| 5460.00      | Average                      | 39.75                             | 8.66         | 48.41                  | 54.00                  | -5.59        |
| 5460.00      | Peak                         | 50.87                             | 8.66         | 59.52                  | 74.00                  | -14.48       |
| 5466.80      | Peak                         | 56.39                             | 8.61         | 65.00                  | 68.20                  | -3.20        |
| 5470.00      | Peak                         | 55.58                             | 8.59         | 64.18                  | 68.20                  | -4.02        |

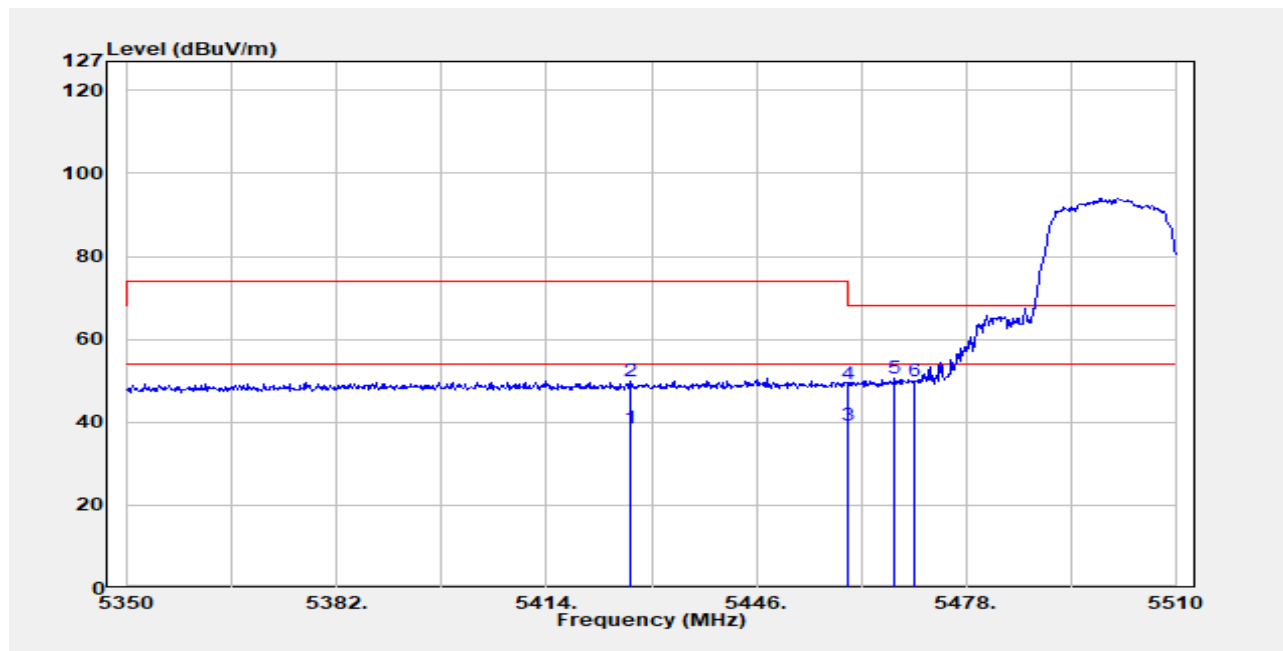
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5500 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5426.80      | Average                      | 29.74                             | 8.96         | 38.70                  | 54.00                  | -15.30       |
| 5426.80      | Peak                         | 40.90                             | 8.96         | 49.87                  | 74.00                  | -24.13       |
| 5460.00      | Average                      | 30.57                             | 8.66         | 39.23                  | 54.00                  | -14.77       |
| 5460.00      | Peak                         | 40.40                             | 8.66         | 49.06                  | 74.00                  | -24.94       |
| 5467.12      | Peak                         | 42.01                             | 8.61         | 50.62                  | 68.20                  | -17.58       |
| 5470.00      | Peak                         | 41.27                             | 8.59         | 49.86                  | 68.20                  | -18.34       |

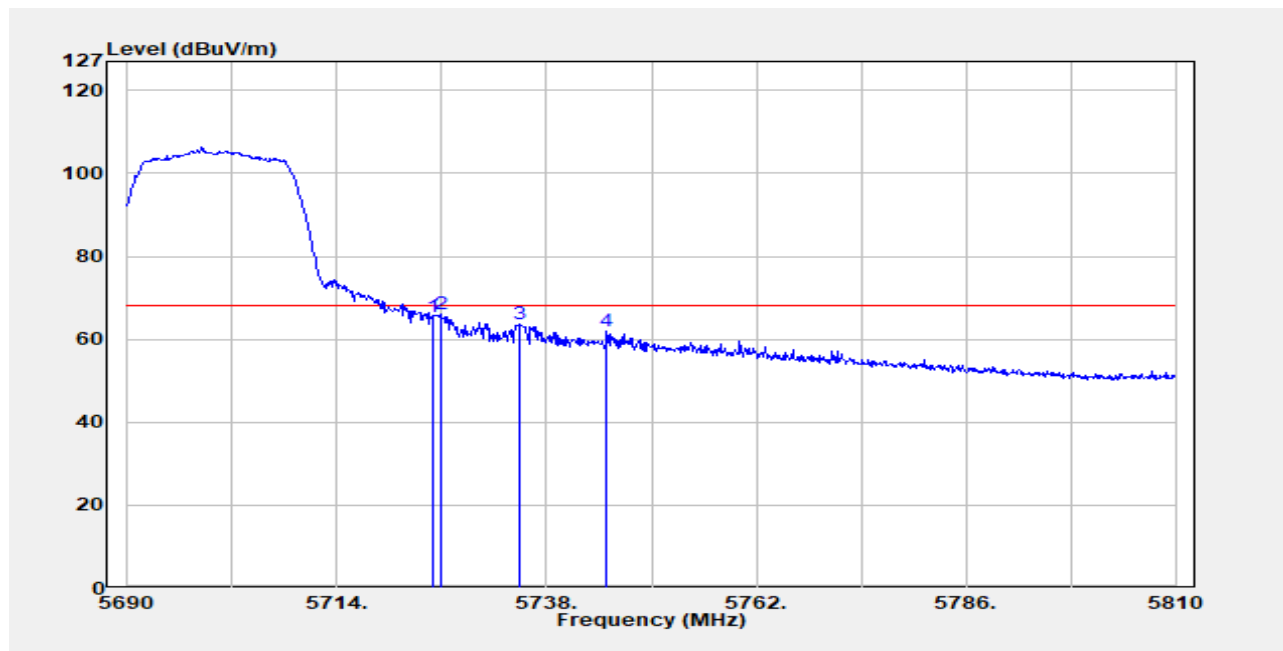
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5700 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00      | Peak                         | 56.97                             | 8.42         | 65.39                  | 68.20                  | -2.81        |
| 5725.88      | Peak                         | 57.51                             | 8.43         | 65.94                  | 68.20                  | -2.26        |
| 5735.00      | Peak                         | 55.30                             | 8.49         | 63.79                  | 68.20                  | -4.41        |
| 5744.84      | Peak                         | 53.35                             | 8.55         | 61.91                  | 68.20                  | -6.29        |

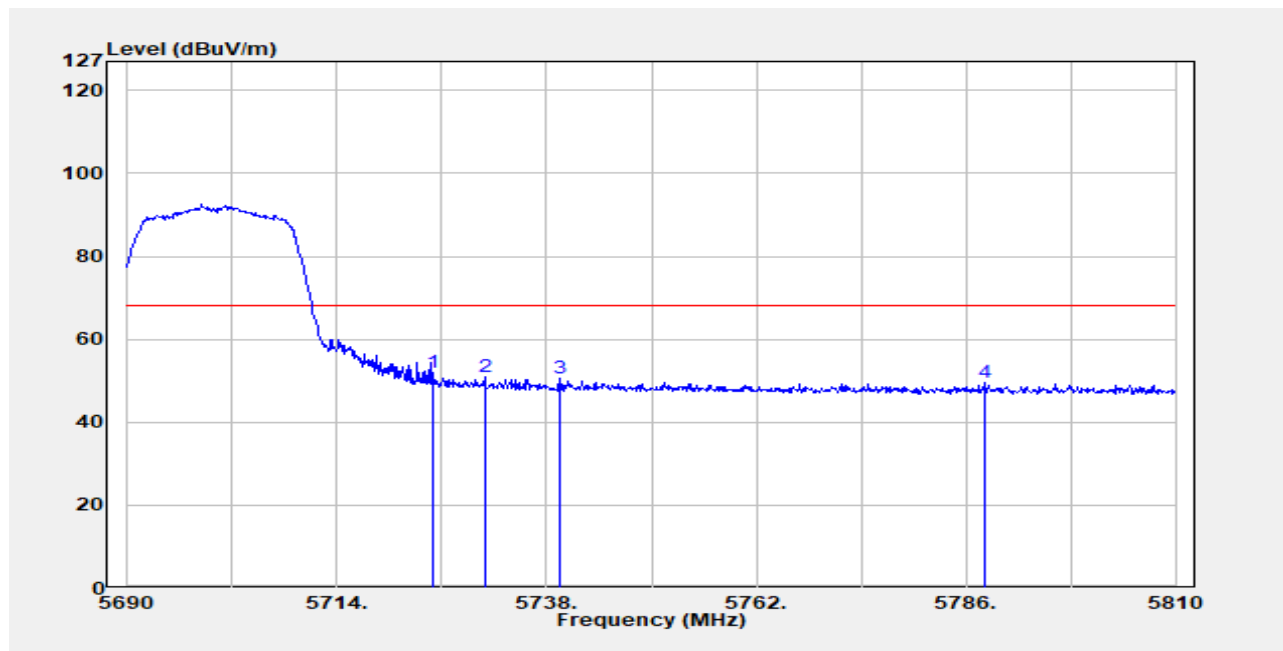
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5700 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00      | Peak                         | 43.52                             | 8.42         | 51.94                  | 68.20                  | -16.26       |
| 5730.92      | Peak                         | 42.59                             | 8.46         | 51.06                  | 68.20                  | -17.14       |
| 5739.56      | Peak                         | 41.93                             | 8.52         | 50.45                  | 68.20                  | -17.75       |
| 5788.28      | Peak                         | 40.82                             | 8.76         | 49.58                  | 68.20                  | -18.62       |

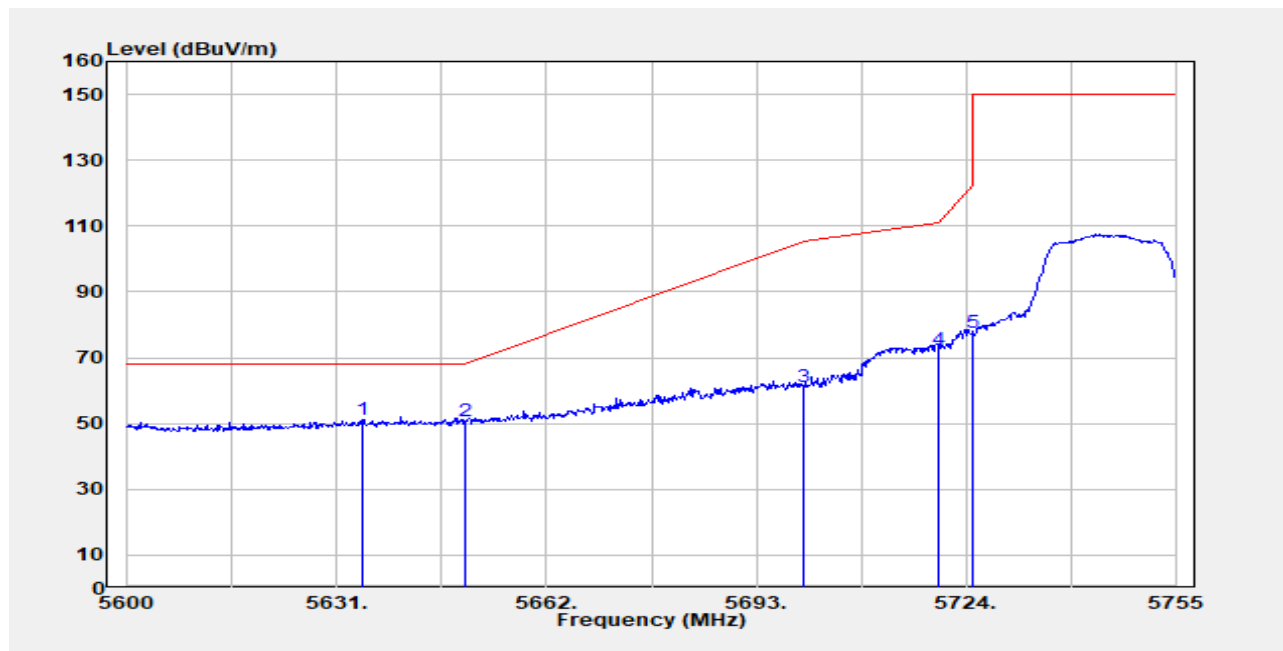
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5745 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5634.88      | Peak                         | 43.36                             | 7.78         | 51.14                  | 68.20                  | -17.06       |
| 5650.00      | Peak                         | 42.81                             | 7.80         | 50.61                  | 68.20                  | -17.59       |
| 5700.00      | Peak                         | 53.08                             | 8.25         | 61.33                  | 105.20                 | -43.87       |
| 5720.00      | Peak                         | 63.82                             | 8.39         | 72.20                  | 110.80                 | -38.60       |
| 5725.00      | Peak                         | 69.41                             | 8.42         | 77.83                  | 122.20                 | -44.37       |

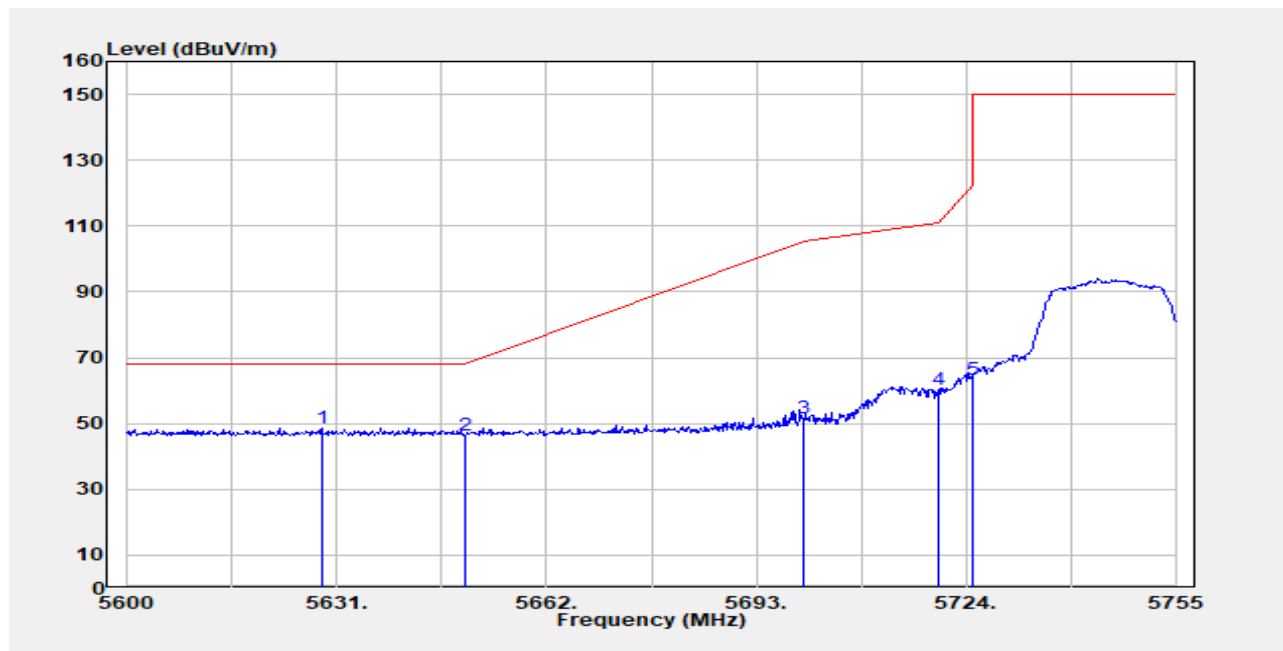
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5745 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5628.68      | Peak                         | 40.89                             | 7.77         | 48.67                  | 68.20                  | -19.53       |
| 5650.00      | Peak                         | 38.77                             | 7.80         | 46.57                  | 68.20                  | -21.63       |
| 5700.00      | Peak                         | 43.42                             | 8.25         | 51.67                  | 105.20                 | -53.53       |
| 5720.00      | Peak                         | 51.73                             | 8.39         | 60.12                  | 110.80                 | -50.68       |
| 5725.00      | Peak                         | 54.67                             | 8.42         | 63.09                  | 122.20                 | -59.11       |

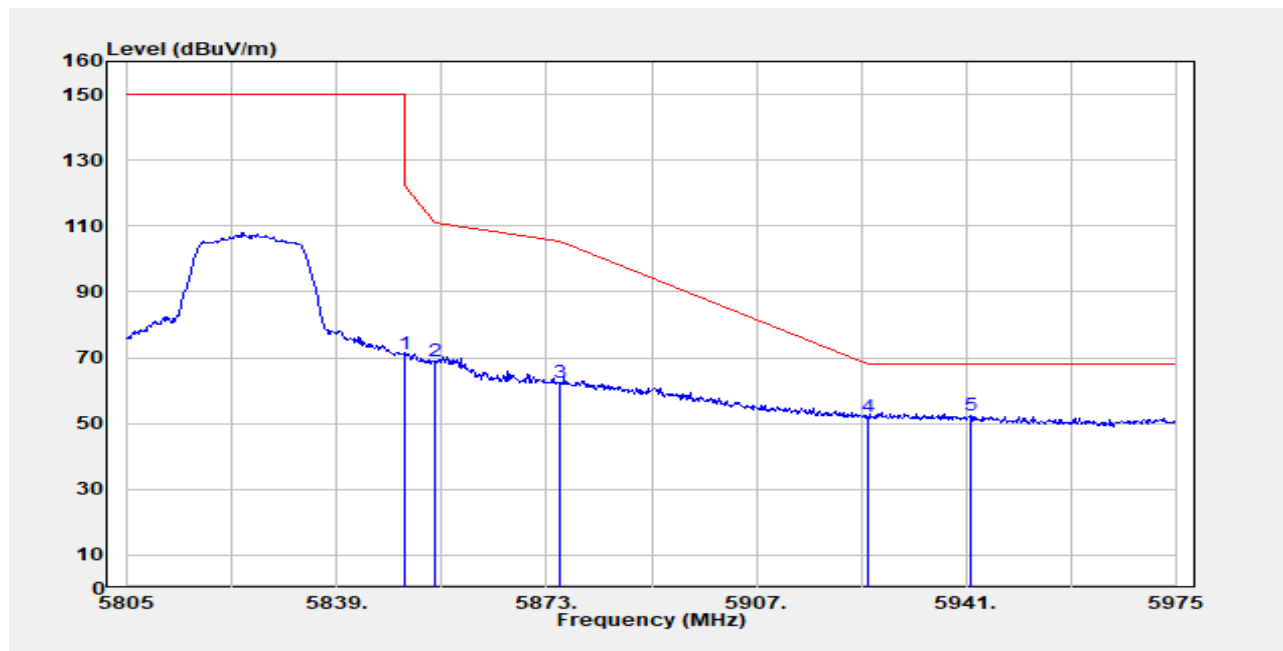
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5825 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00      | Peak                         | 62.11                             | 8.93         | 71.04                  | 122.20                 | -51.16       |
| 5855.00      | Peak                         | 59.80                             | 8.93         | 68.73                  | 110.80                 | -42.07       |
| 5875.00      | Peak                         | 53.72                             | 8.89         | 62.61                  | 105.20                 | -42.59       |
| 5925.00      | Peak                         | 43.09                             | 8.85         | 51.94                  | 68.20                  | -16.26       |
| 5941.68      | Peak                         | 43.46                             | 8.84         | 52.30                  | 68.20                  | -15.90       |

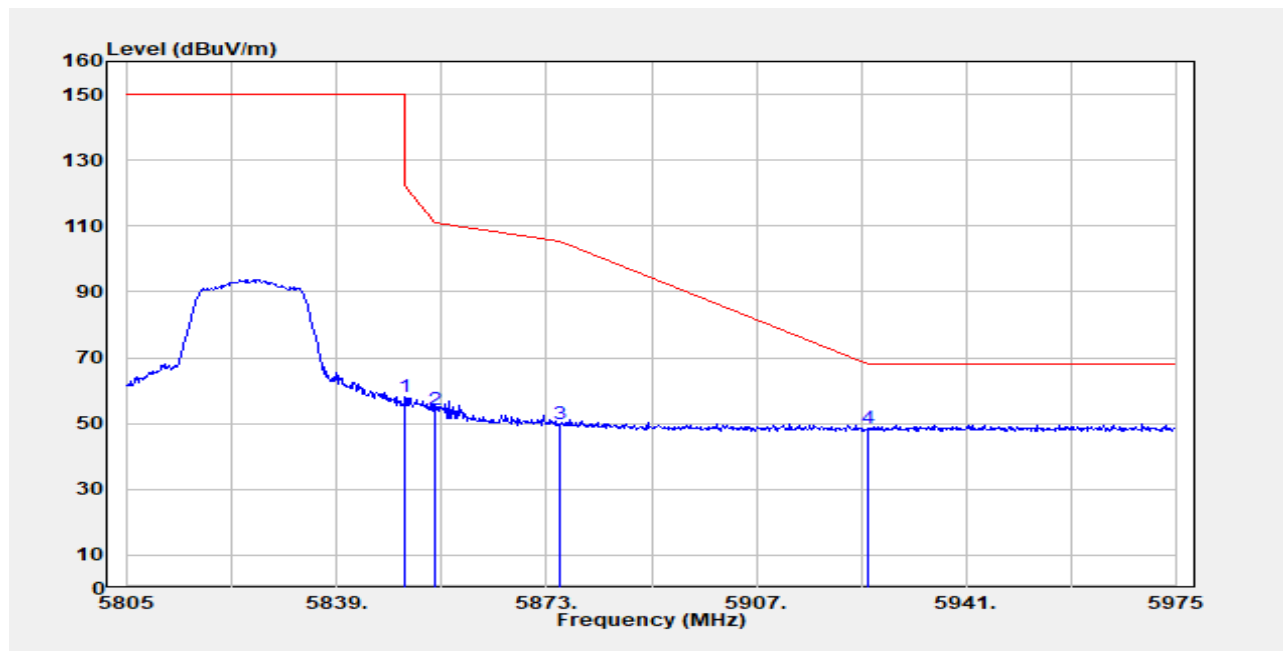
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5825 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00      | Peak                         | 49.03                             | 8.93         | 57.97                  | 122.20                 | -64.23       |
| 5855.00      | Peak                         | 45.12                             | 8.93         | 54.05                  | 110.80                 | -56.75       |
| 5875.00      | Peak                         | 41.07                             | 8.89         | 49.96                  | 105.20                 | -55.24       |
| 5925.00      | Peak                         | 39.66                             | 8.85         | 48.51                  | 68.20                  | -19.69       |

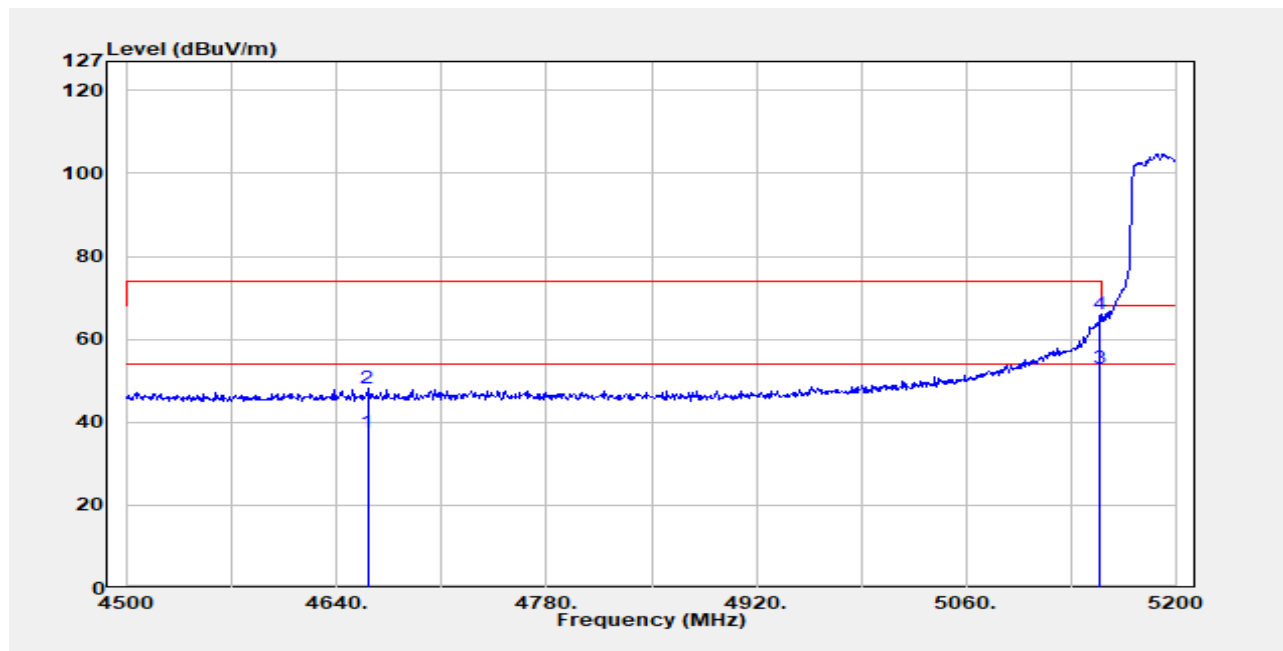
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5190 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4660.30      | Average                      | 30.81                             | 6.55         | 37.36                  | 54.00                  | -16.64       |
| 4660.30      | Peak                         | 41.67                             | 6.55         | 48.22                  | 74.00                  | -25.78       |
| 5150.00      | Average                      | 45.05                             | 7.82         | 52.87                  | 54.00                  | -1.13        |
| 5150.00      | Peak                         | 58.19                             | 7.82         | 66.02                  | 74.00                  | -7.98        |

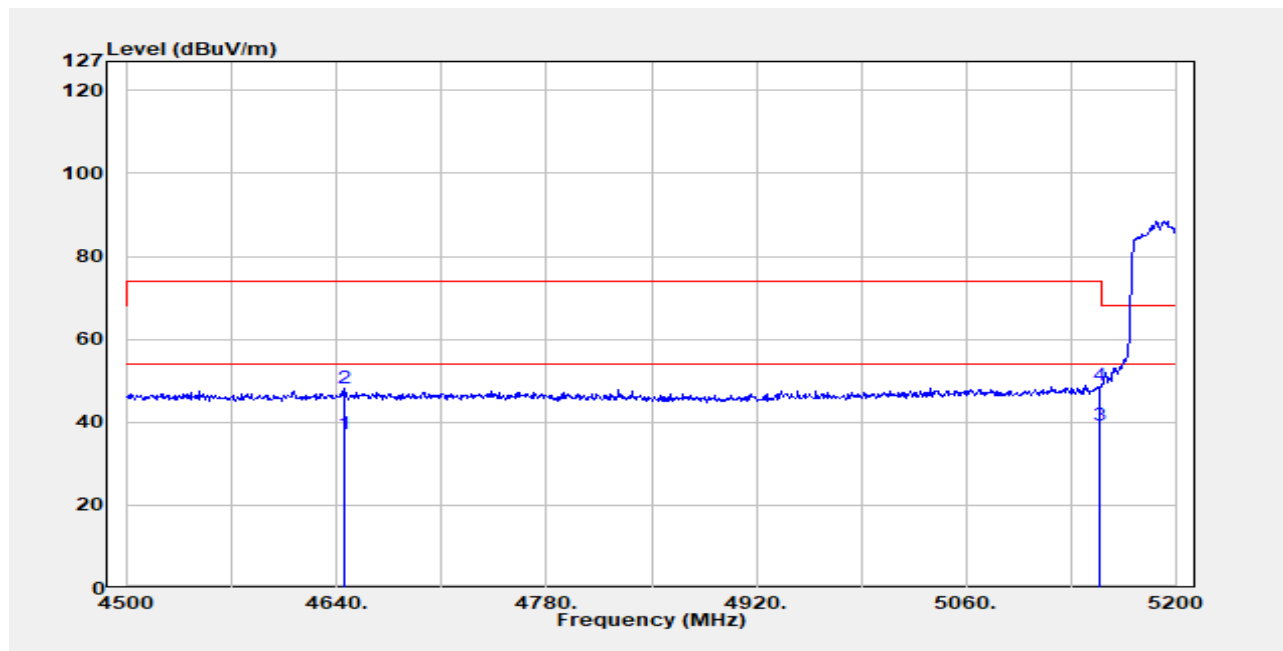
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5190 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4644.90      | Average                      | 30.52                             | 6.54         | 37.06                  | 54.00                  | -16.94       |
| 4644.90      | Peak                         | 41.49                             | 6.54         | 48.03                  | 74.00                  | -25.97       |
| 5150.00      | Average                      | 31.36                             | 7.82         | 39.18                  | 54.00                  | -14.82       |
| 5150.00      | Peak                         | 41.04                             | 7.82         | 48.87                  | 74.00                  | -25.13       |

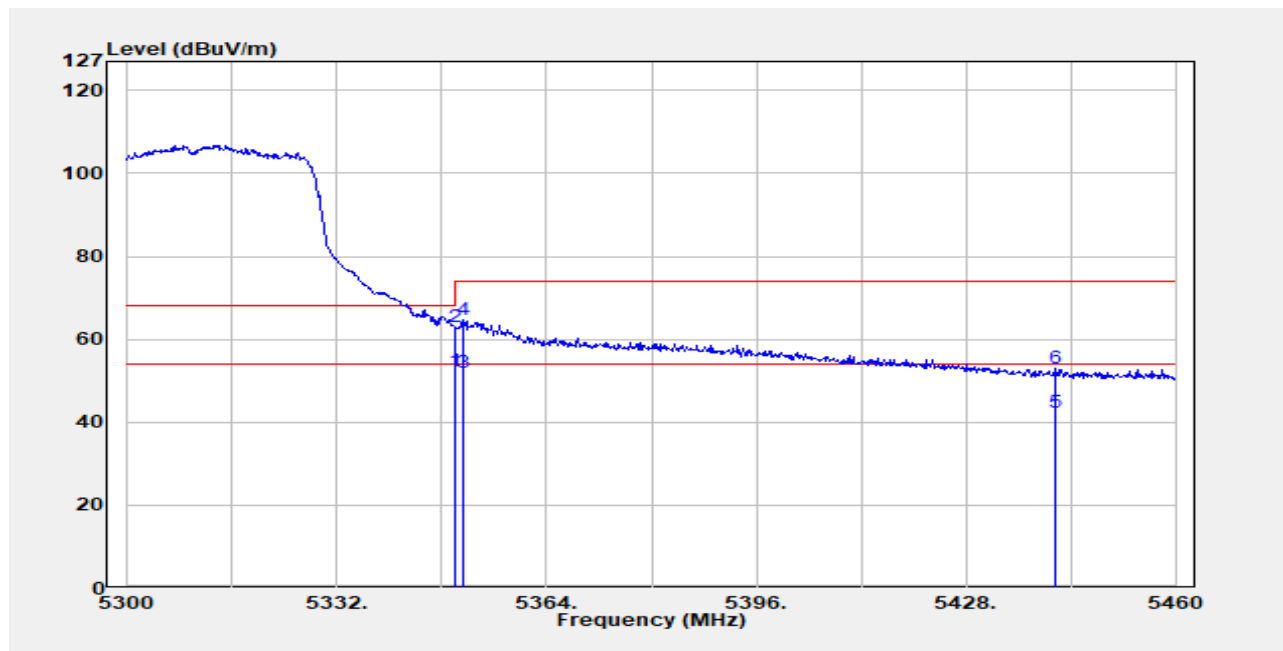
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5310 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00      | Average                      | 43.76                             | 8.68         | 52.44                  | 54.00                  | -1.56        |
| 5350.00      | Peak                         | 54.15                             | 8.68         | 62.82                  | 74.00                  | -11.18       |
| 5351.20      | Average                      | 43.35                             | 8.69         | 52.04                  | 54.00                  | -1.96        |
| 5351.20      | Peak                         | 56.06                             | 8.69         | 64.75                  | 74.00                  | -9.25        |
| 5441.76      | Average                      | 33.52                             | 8.81         | 42.33                  | 54.00                  | -11.67       |
| 5441.76      | Peak                         | 44.09                             | 8.81         | 52.90                  | 74.00                  | -21.10       |

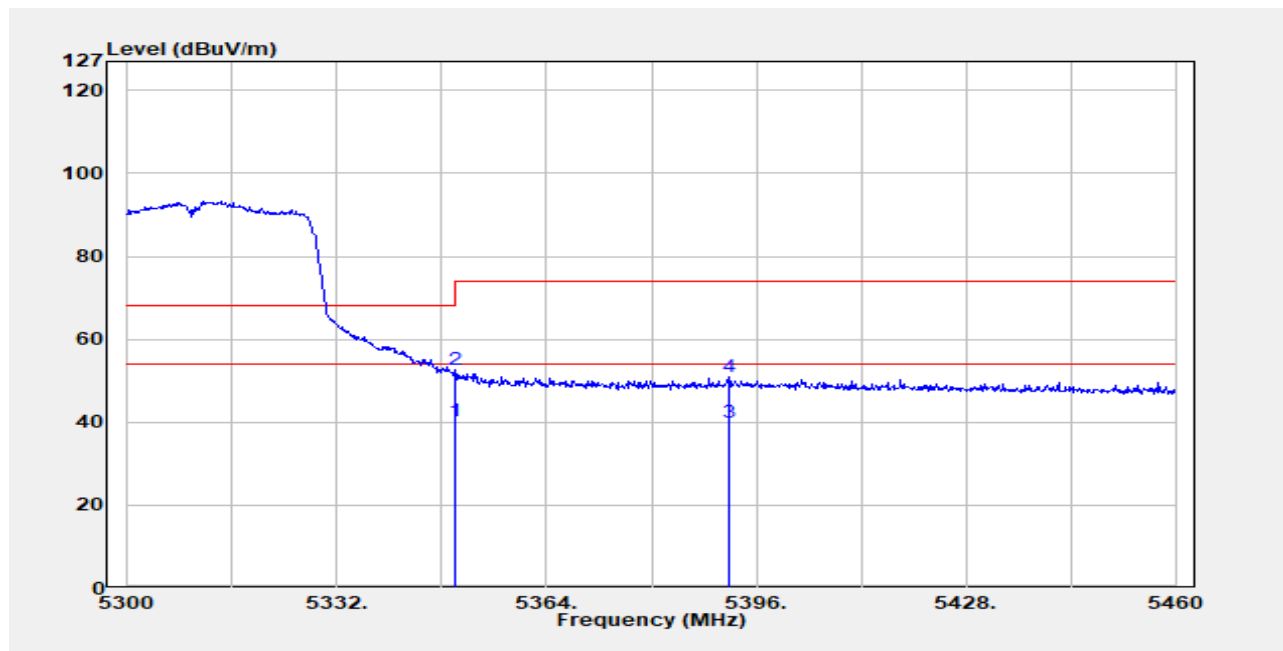
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5310 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00      | Average                      | 31.73                             | 8.68         | 40.41                  | 54.00                  | -13.59       |
| 5350.00      | Peak                         | 43.98                             | 8.68         | 52.65                  | 74.00                  | -21.35       |
| 5391.84      | Average                      | 30.69                             | 9.15         | 39.84                  | 54.00                  | -14.16       |
| 5391.84      | Peak                         | 41.83                             | 9.15         | 50.98                  | 74.00                  | -23.02       |

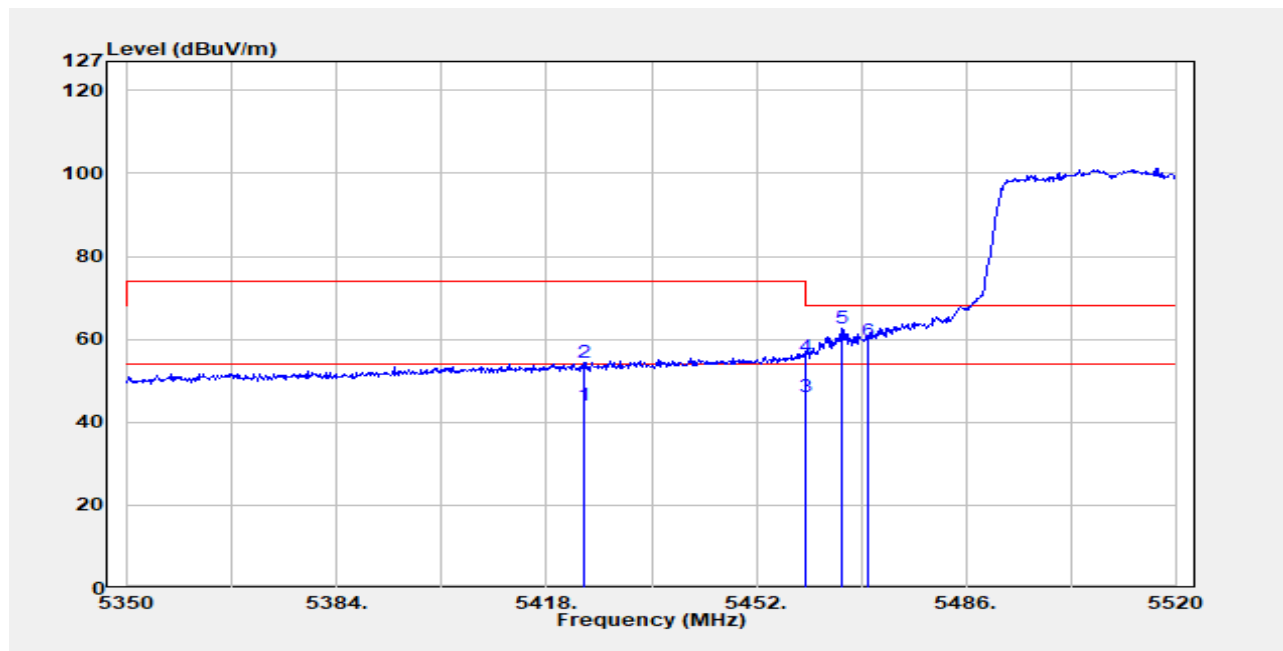
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5510 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5423.95      | Average                      | 35.03                             | 8.99         | 44.02                  | 54.00                  | -9.98        |
| 5423.95      | Peak                         | 45.54                             | 8.99         | 54.53                  | 74.00                  | -19.47       |
| 5460.00      | Average                      | 37.38                             | 8.66         | 46.04                  | 54.00                  | -7.96        |
| 5460.00      | Peak                         | 47.13                             | 8.66         | 55.79                  | 74.00                  | -18.21       |
| 5465.77      | Peak                         | 53.95                             | 8.62         | 62.57                  | 68.20                  | -5.63        |
| 5470.00      | Peak                         | 50.84                             | 8.59         | 59.44                  | 68.20                  | -8.76        |

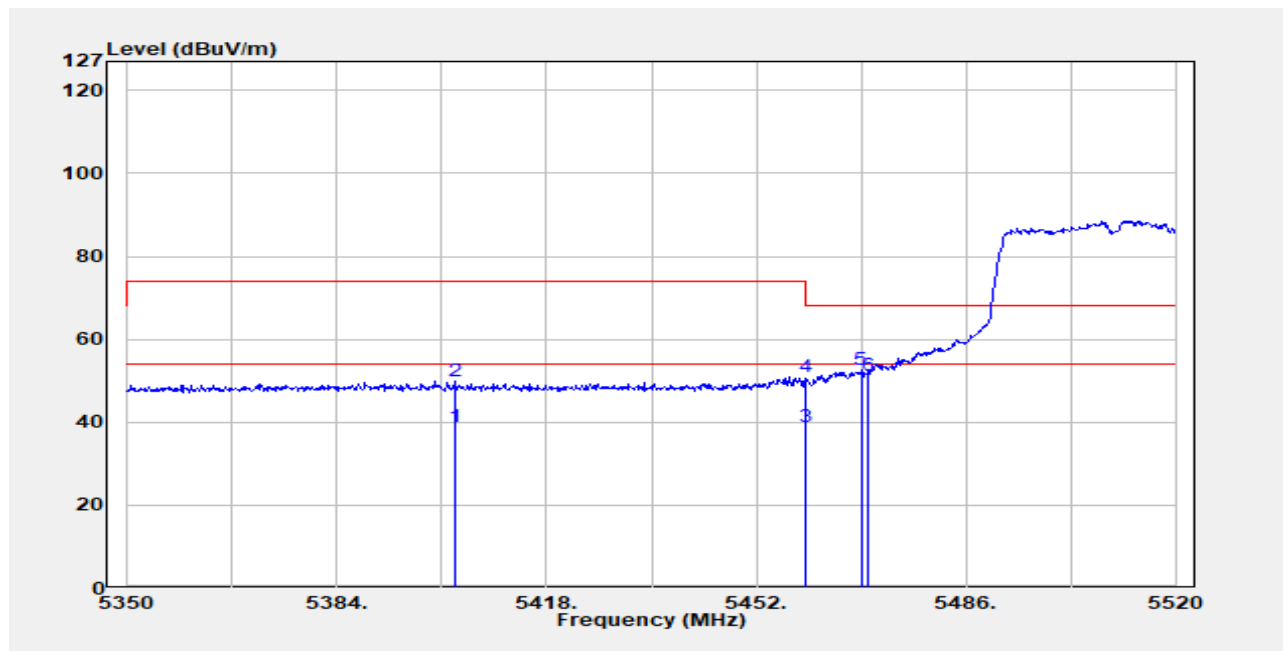
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5510 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5403.21      | Average                      | 29.78                             | 9.21         | 38.99                  | 54.00                  | -15.01       |
| 5403.21      | Peak                         | 40.61                             | 9.21         | 49.82                  | 74.00                  | -24.18       |
| 5460.00      | Average                      | 30.38                             | 8.66         | 39.04                  | 54.00                  | -14.96       |
| 5460.00      | Peak                         | 42.23                             | 8.66         | 50.89                  | 74.00                  | -23.11       |
| 5469.00      | Peak                         | 43.90                             | 8.60         | 52.50                  | 68.20                  | -15.70       |
| 5470.00      | Peak                         | 42.59                             | 8.59         | 51.18                  | 68.20                  | -17.02       |

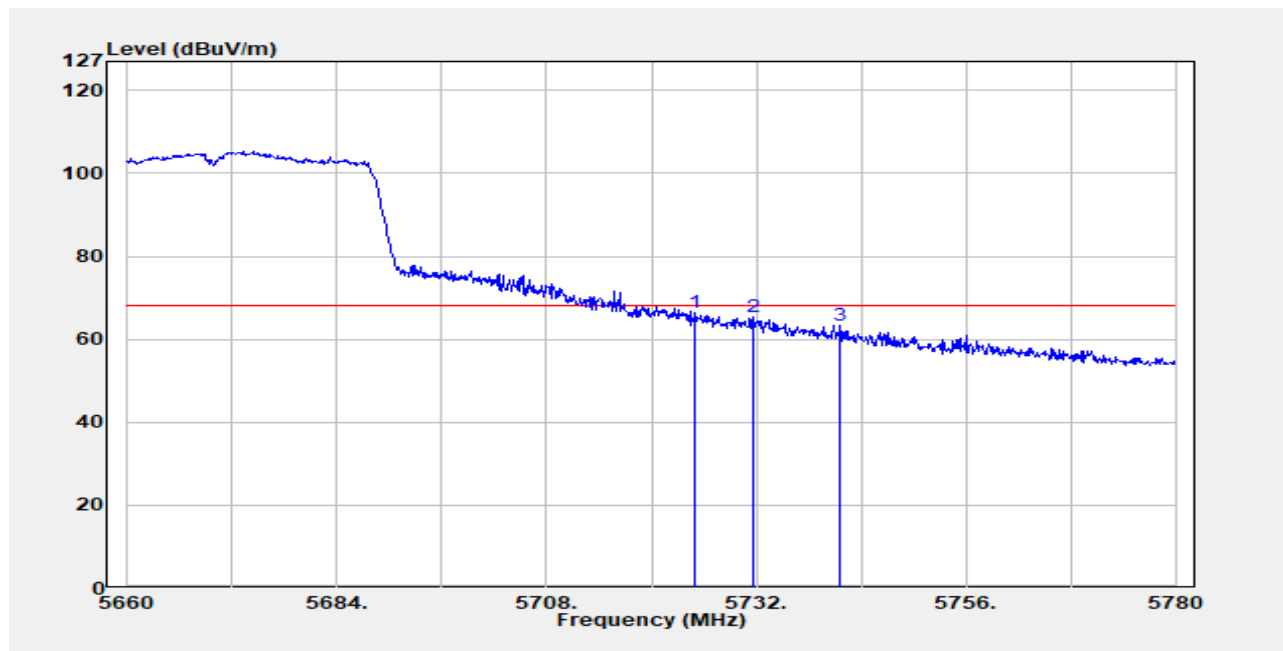
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5670 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00      | Peak                         | 57.95                             | 8.42         | 66.37                  | 68.20                  | -1.83        |
| 5731.76      | Peak                         | 56.85                             | 8.47         | 65.31                  | 68.20                  | -2.89        |
| 5741.60      | Peak                         | 54.82                             | 8.53         | 63.35                  | 68.20                  | -4.85        |

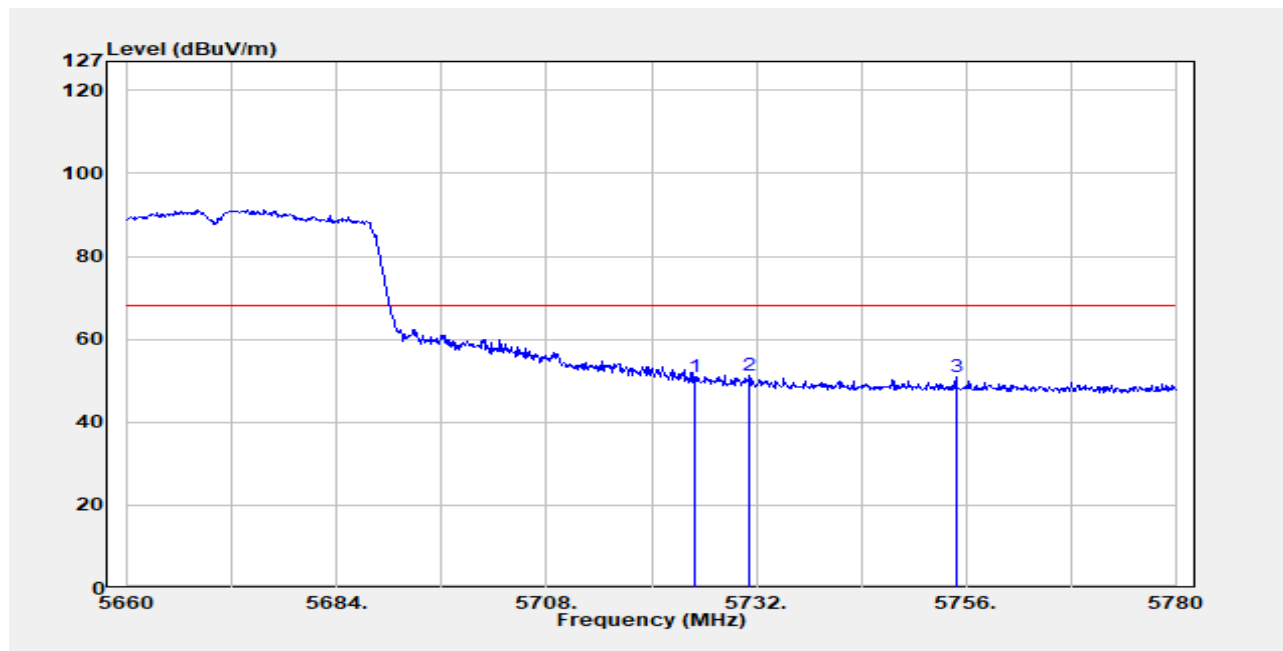
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5670 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00      | Peak                         | 42.48                             | 8.42         | 50.90                  | 68.20                  | -17.30       |
| 5731.28      | Peak                         | 42.76                             | 8.46         | 51.22                  | 68.20                  | -16.98       |
| 5754.92      | Peak                         | 42.16                             | 8.61         | 50.77                  | 68.20                  | -17.43       |

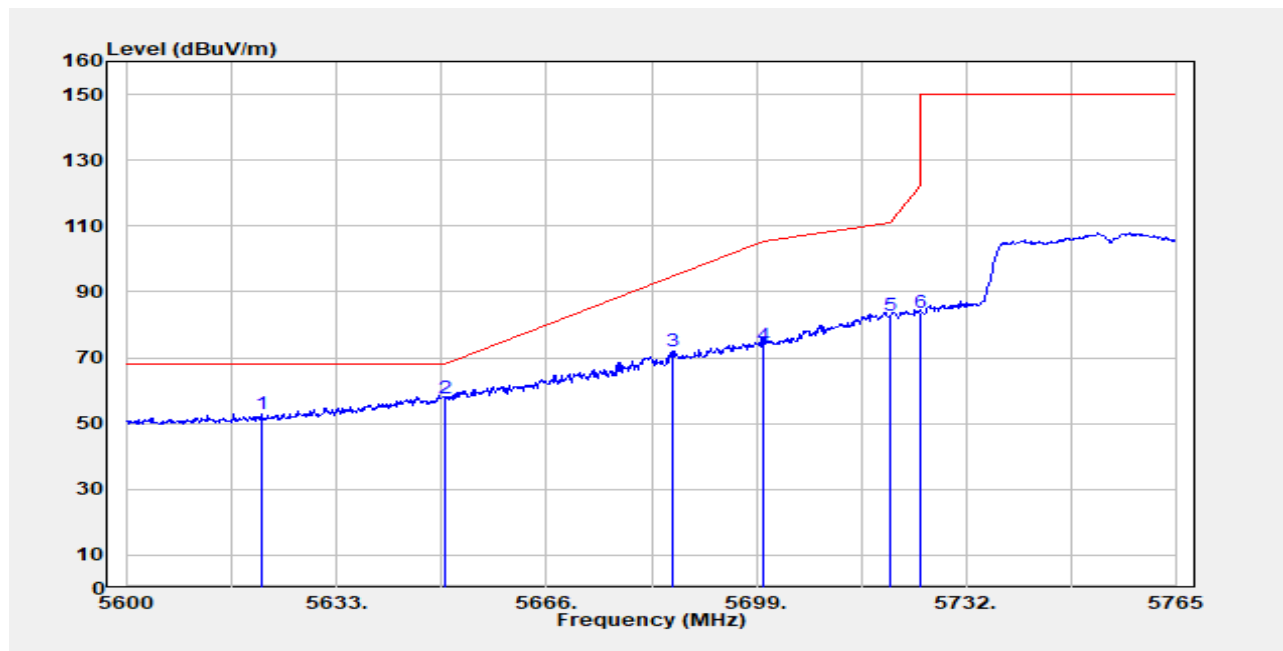
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5755 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5621.12      | Peak                         | 45.09                             | 7.77         | 52.86                  | 68.20                  | -15.34       |
| 5650.00      | Peak                         | 49.76                             | 7.80         | 57.56                  | 68.20                  | -10.64       |
| 5685.80      | Peak                         | 63.93                             | 8.13         | 72.05                  | 94.69                  | -22.64       |
| 5700.00      | Peak                         | 65.39                             | 8.25         | 73.65                  | 105.20                 | -31.55       |
| 5720.00      | Peak                         | 74.43                             | 8.39         | 82.82                  | 110.80                 | -27.98       |
| 5725.00      | Peak                         | 75.48                             | 8.42         | 83.90                  | 122.20                 | -38.30       |

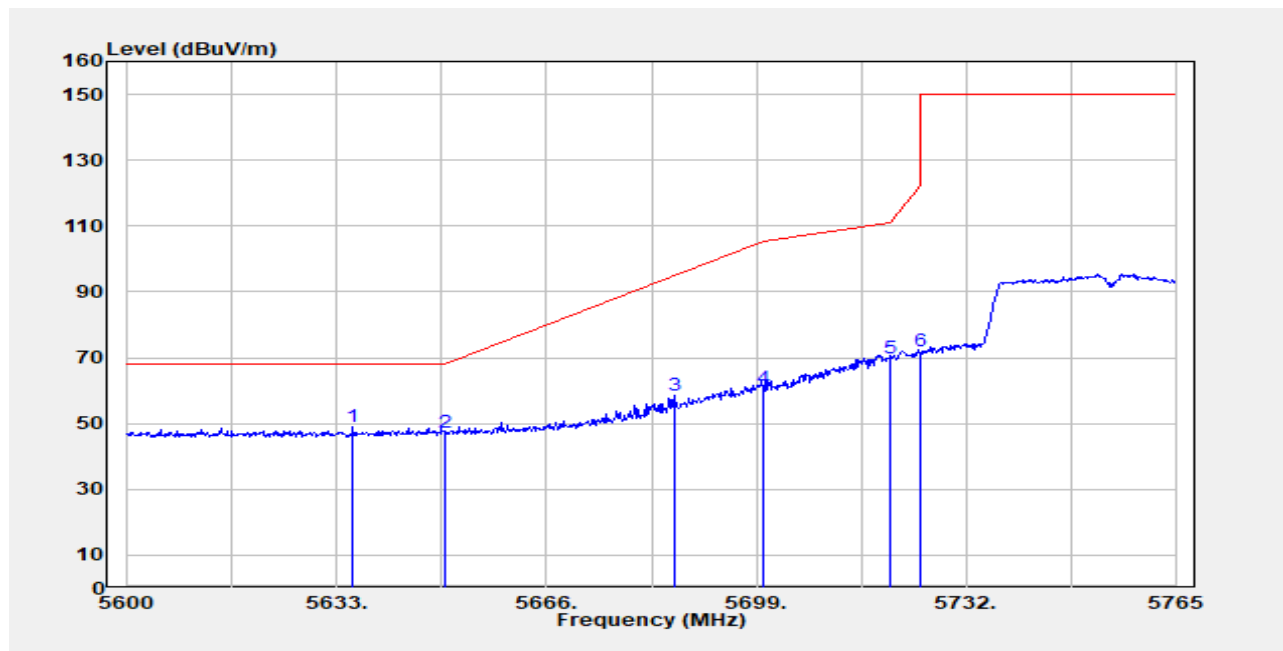
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5755 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5635.48      | Peak                         | 41.21                             | 7.78         | 49.00                  | 68.20                  | -19.20       |
| 5650.00      | Peak                         | 39.36                             | 7.80         | 47.16                  | 68.20                  | -21.04       |
| 5686.30      | Peak                         | 50.19                             | 8.13         | 58.32                  | 95.06                  | -36.74       |
| 5700.00      | Peak                         | 52.52                             | 8.25         | 60.77                  | 105.20                 | -44.43       |
| 5720.00      | Peak                         | 61.62                             | 8.39         | 70.01                  | 110.80                 | -40.79       |
| 5725.00      | Peak                         | 63.35                             | 8.42         | 71.77                  | 122.20                 | -50.43       |

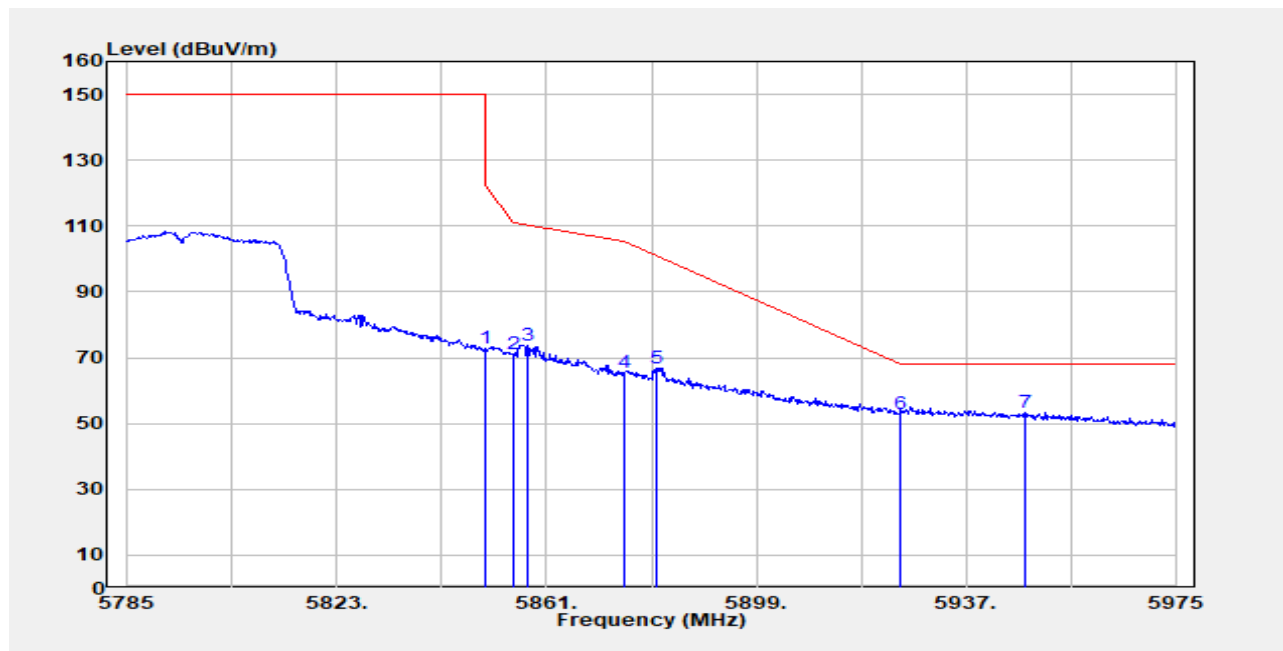
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5795 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00      | Peak                         | 63.98                             | 8.93         | 72.92                  | 122.20                 | -49.28       |
| 5855.00      | Peak                         | 62.27                             | 8.93         | 71.19                  | 110.80                 | -39.61       |
| 5857.39      | Peak                         | 64.82                             | 8.92         | 73.75                  | 110.13                 | -36.38       |
| 5875.00      | Peak                         | 56.60                             | 8.89         | 65.49                  | 105.20                 | -39.71       |
| 5880.76      | Peak                         | 57.92                             | 8.88         | 66.80                  | 100.94                 | -34.13       |
| 5925.00      | Peak                         | 44.25                             | 8.85         | 53.10                  | 68.20                  | -15.10       |
| 5947.64      | Peak                         | 44.64                             | 8.84         | 53.48                  | 68.20                  | -14.72       |

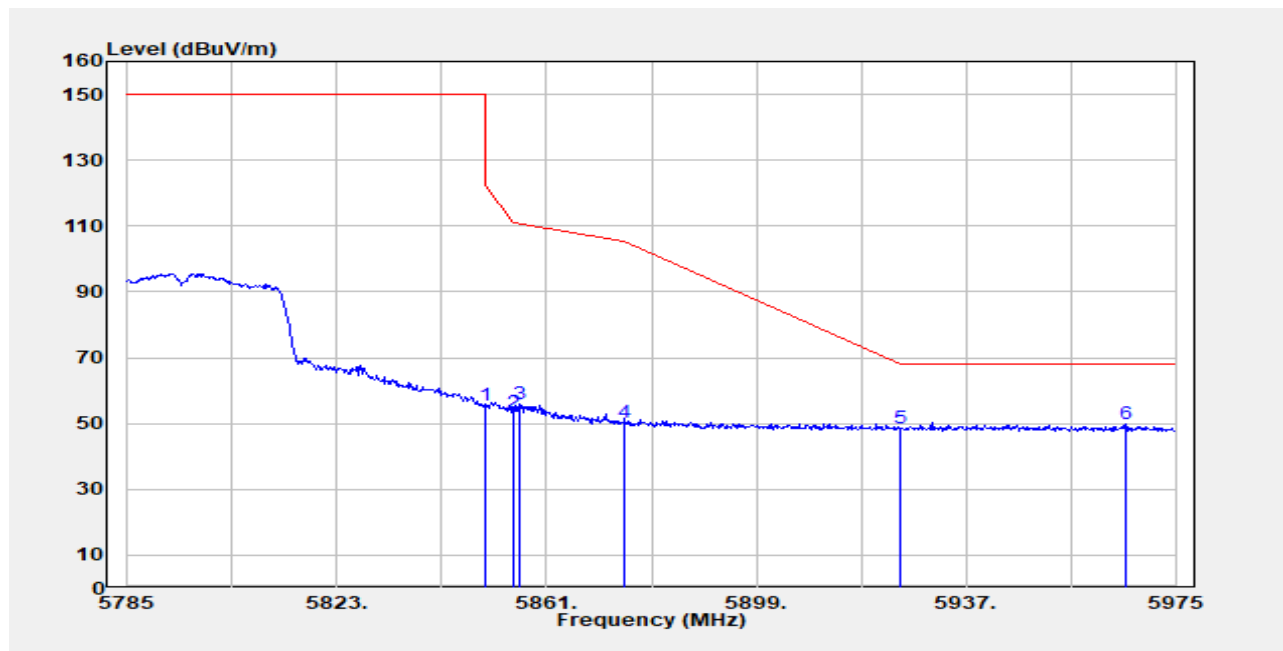
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5795 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00      | Peak                         | 46.39                             | 8.93         | 55.32                  | 122.20                 | -66.88       |
| 5855.00      | Peak                         | 44.31                             | 8.93         | 53.23                  | 110.80                 | -57.57       |
| 5856.06      | Peak                         | 46.98                             | 8.92         | 55.91                  | 110.50                 | -54.60       |
| 5875.00      | Peak                         | 41.31                             | 8.89         | 50.21                  | 105.20                 | -54.99       |
| 5925.00      | Peak                         | 39.89                             | 8.85         | 48.74                  | 68.20                  | -19.46       |
| 5966.07      | Peak                         | 41.31                             | 8.74         | 50.05                  | 68.20                  | -18.15       |

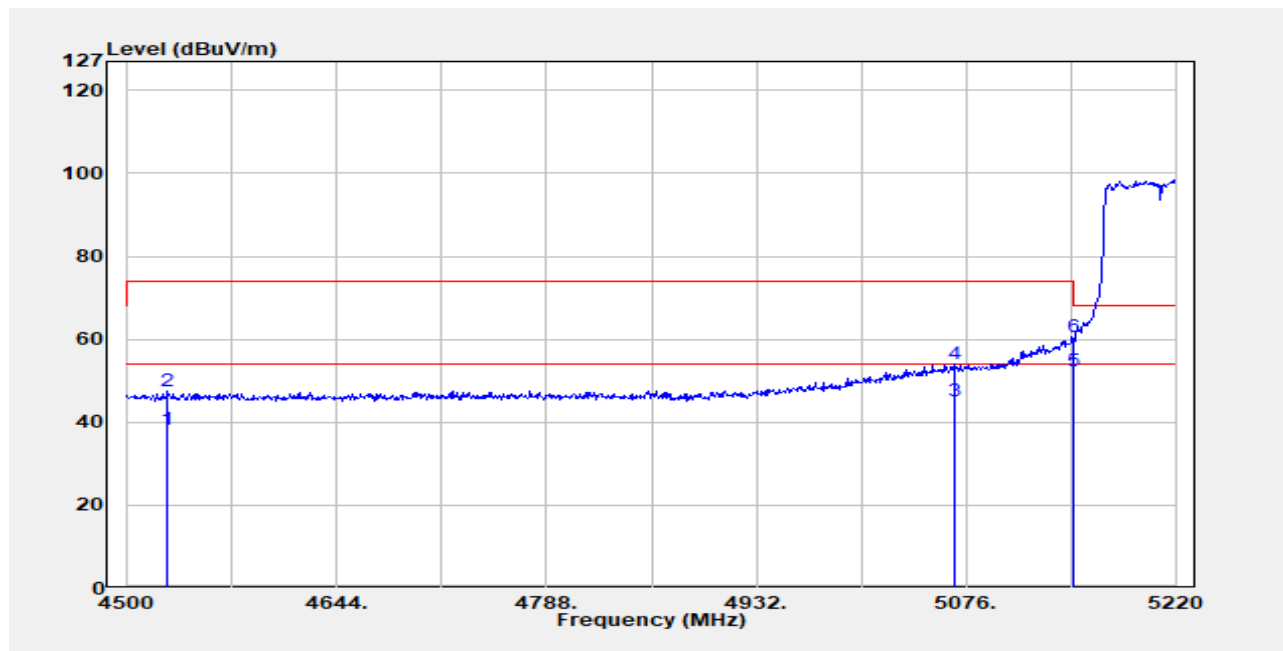
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>d $\mu$ V | Factor<br>dB | Actual<br>FS<br>d $\mu$ V/m | Limit<br>@3m<br>d $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|----------------------------------------|--------------|-----------------------------|-----------------------------|--------------|
| 4527.36      | Average                      | 31.25                                  | 6.80         | 38.05                       | 54.00                       | -15.95       |
| 4527.36      | Peak                         | 40.85                                  | 6.80         | 47.65                       | 74.00                       | -26.35       |
| 5068.08      | Average                      | 37.34                                  | 7.73         | 45.07                       | 54.00                       | -8.93        |
| 5068.08      | Peak                         | 46.28                                  | 7.73         | 54.02                       | 74.00                       | -19.98       |
| 5150.00      | Average                      | 44.39                                  | 7.82         | 52.21                       | 54.00                       | -1.79        |
| 5150.00      | Peak                         | 52.73                                  | 7.82         | 60.56                       | 74.00                       | -13.44       |

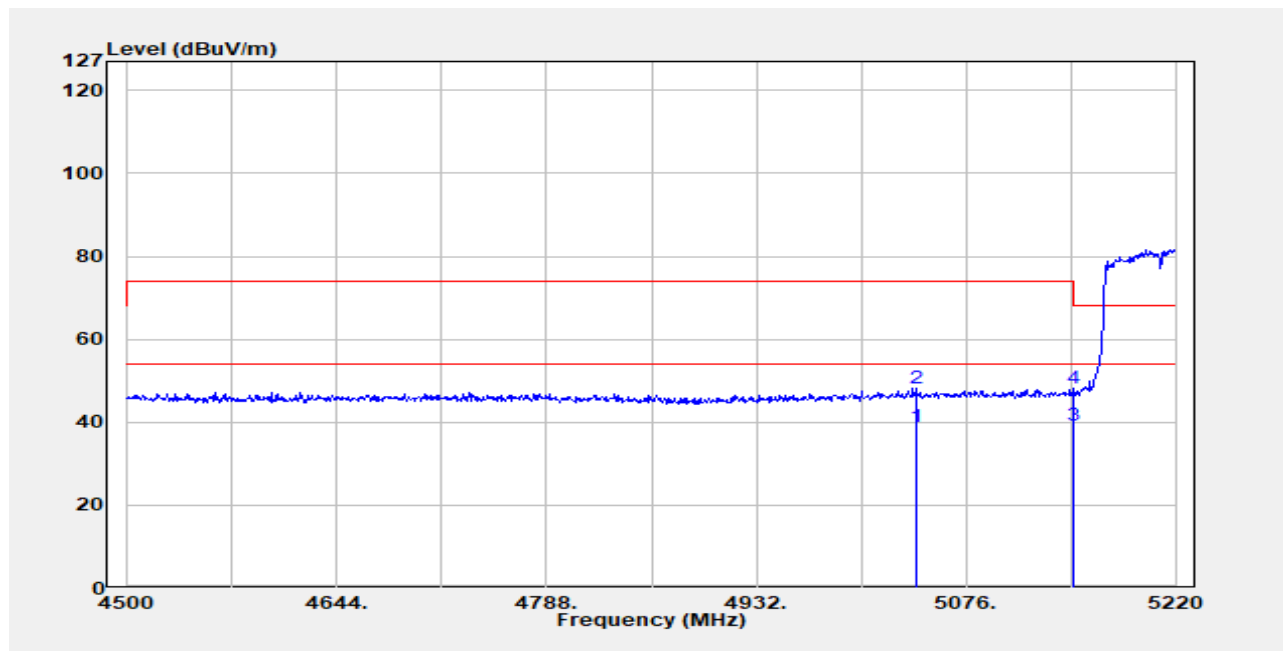
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5041.44      | Average                      | 31.21                             | 7.69         | 38.90                  | 54.00                  | -15.10       |
| 5041.44      | Peak                         | 40.59                             | 7.69         | 48.28                  | 74.00                  | -25.72       |
| 5150.00      | Average                      | 31.28                             | 7.82         | 39.10                  | 54.00                  | -14.90       |
| 5150.00      | Peak                         | 40.47                             | 7.82         | 48.29                  | 74.00                  | -25.71       |

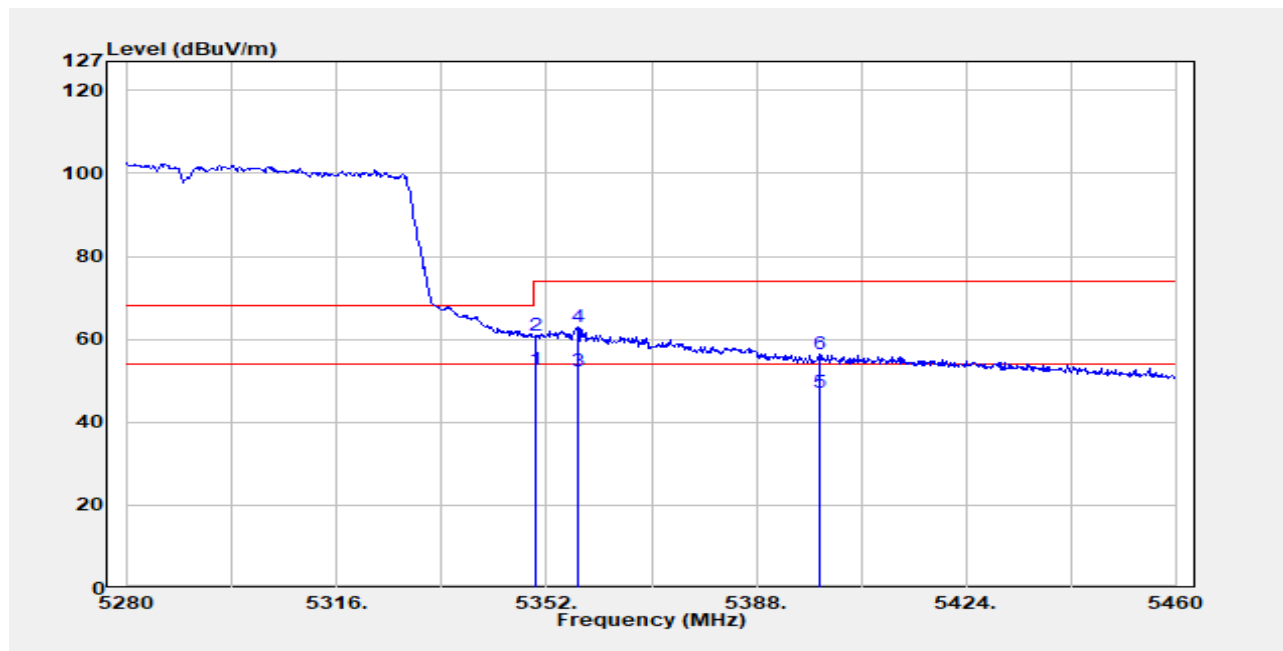
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00      | Average                      | 44.13                             | 8.68         | 52.81                  | 54.00                  | -1.19        |
| 5350.00      | Peak                         | 52.34                             | 8.68         | 61.02                  | 74.00                  | -12.98       |
| 5357.22      | Average                      | 43.61                             | 8.76         | 52.37                  | 54.00                  | -1.63        |
| 5357.22      | Peak                         | 54.20                             | 8.76         | 62.96                  | 74.00                  | -11.04       |
| 5398.80      | Average                      | 37.99                             | 9.23         | 47.22                  | 54.00                  | -6.78        |
| 5398.80      | Peak                         | 47.28                             | 9.23         | 56.52                  | 74.00                  | -17.48       |

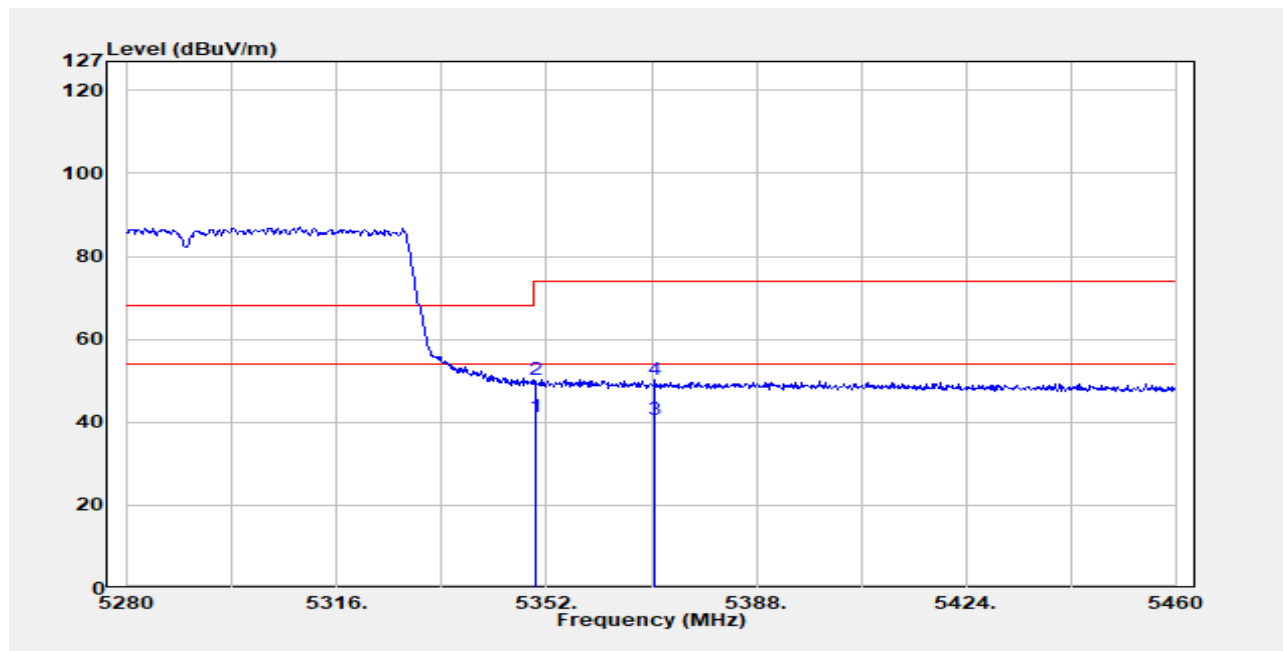
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00      | Average                      | 32.54                             | 8.68         | 41.22                  | 54.00                  | -12.78       |
| 5350.00      | Peak                         | 41.52                             | 8.68         | 50.20                  | 74.00                  | -23.80       |
| 5370.54      | Average                      | 31.85                             | 8.91         | 40.76                  | 54.00                  | -13.24       |
| 5370.54      | Peak                         | 41.45                             | 8.91         | 50.36                  | 74.00                  | -23.64       |

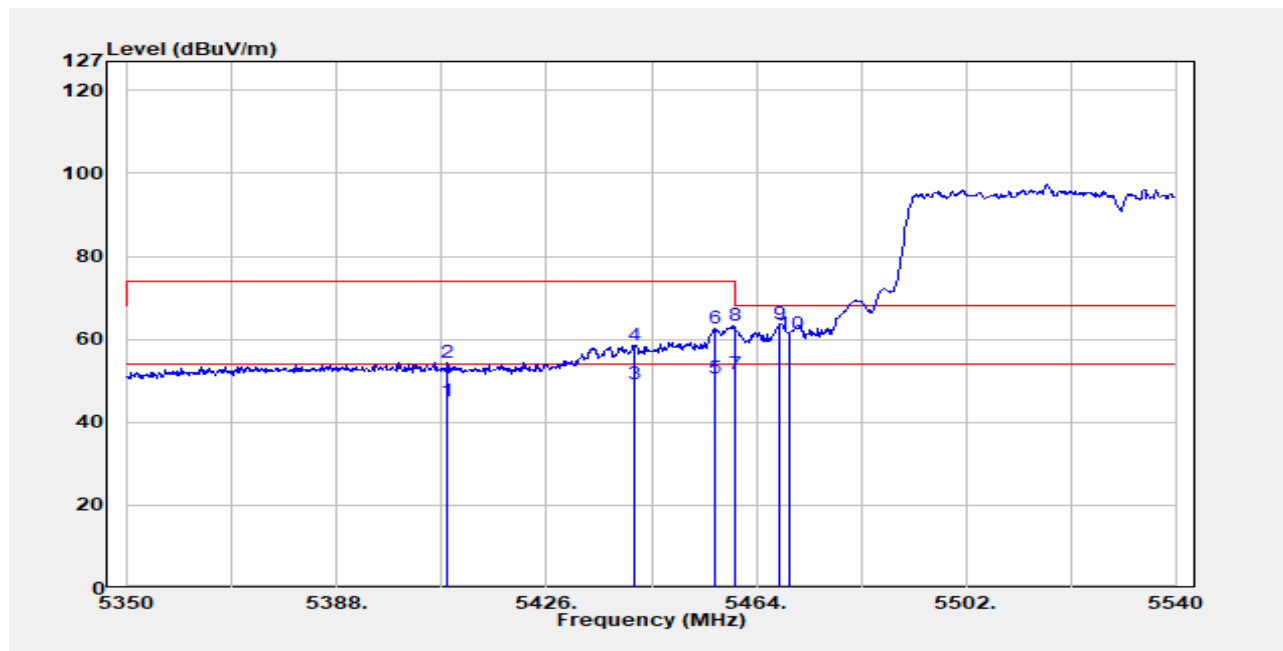
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5530 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5407.95      | Average                      | 36.04                             | 9.16         | 45.20                  | 54.00                  | -8.80        |
| 5407.95      | Peak                         | 45.38                             | 9.16         | 54.55                  | 74.00                  | -19.45       |
| 5441.96      | Average                      | 40.25                             | 8.81         | 49.06                  | 54.00                  | -4.94        |
| 5441.96      | Peak                         | 49.59                             | 8.81         | 58.39                  | 74.00                  | -15.61       |
| 5456.40      | Average                      | 42.06                             | 8.68         | 50.74                  | 54.00                  | -3.26        |
| 5456.40      | Peak                         | 53.93                             | 8.68         | 62.61                  | 74.00                  | -11.39       |
| 5460.00      | Average                      | 43.11                             | 8.66         | 51.77                  | 54.00                  | -2.23        |
| 5460.00      | Peak                         | 54.55                             | 8.66         | 63.21                  | 74.00                  | -10.79       |
| 5468.37      | Peak                         | 55.08                             | 8.60         | 63.68                  | 68.20                  | -4.52        |
| 5470.00      | Peak                         | 52.50                             | 8.59         | 61.10                  | 68.20                  | -7.10        |

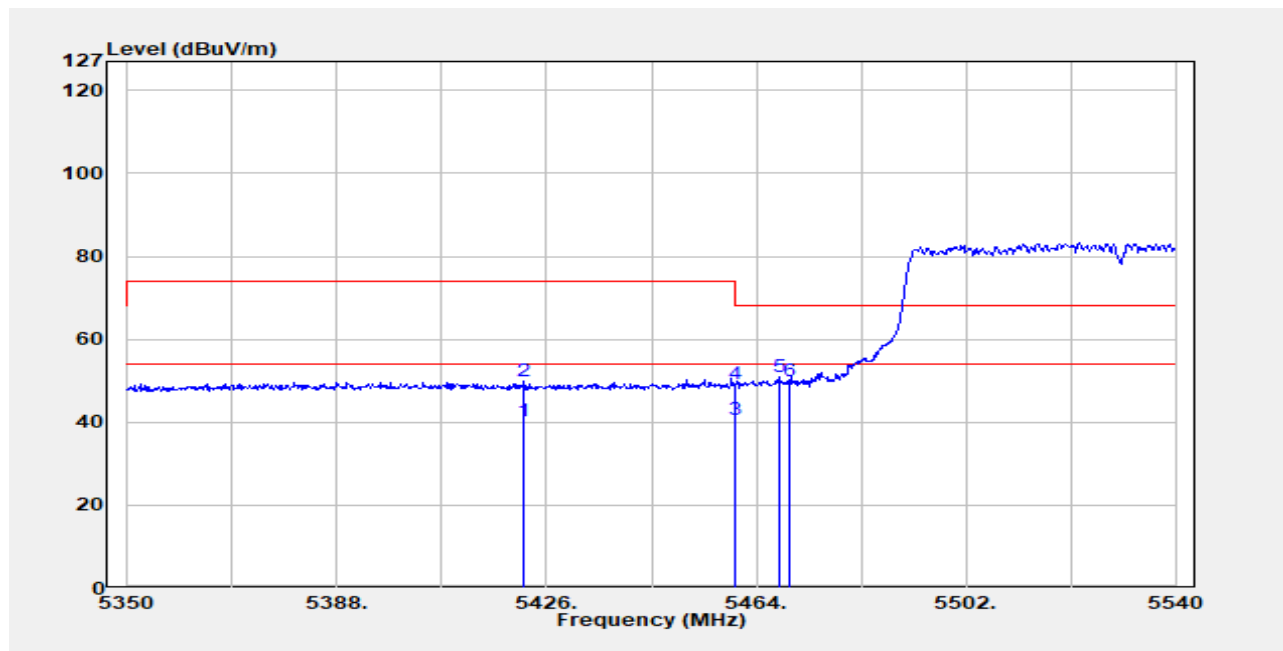
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5530 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5421.82      | Average                      | 31.09                             | 9.02         | 40.11                  | 54.00                  | -13.89       |
| 5421.82      | Peak                         | 40.86                             | 9.02         | 49.88                  | 74.00                  | -24.12       |
| 5460.00      | Average                      | 32.04                             | 8.66         | 40.70                  | 54.00                  | -13.30       |
| 5460.00      | Peak                         | 40.56                             | 8.66         | 49.22                  | 74.00                  | -24.78       |
| 5468.18      | Peak                         | 42.25                             | 8.61         | 50.86                  | 68.20                  | -17.34       |
| 5470.00      | Peak                         | 41.31                             | 8.59         | 49.91                  | 68.20                  | -18.29       |

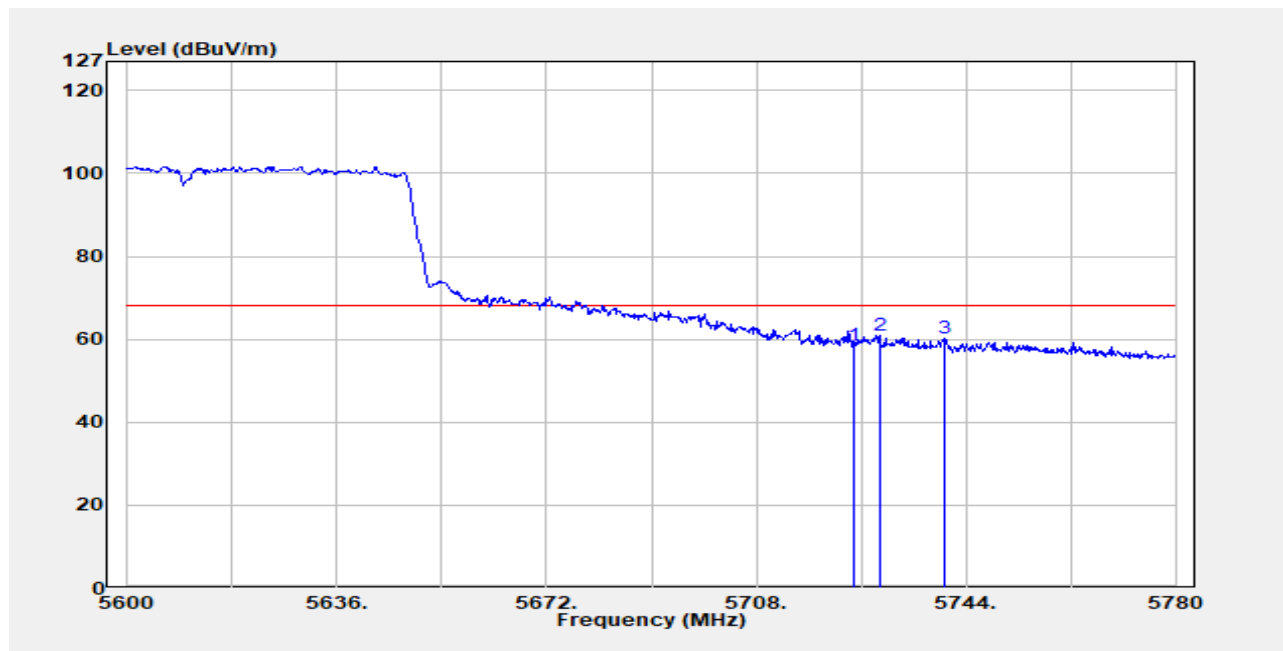
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00      | Peak                         | 50.18                             | 8.42         | 58.60                  | 68.20                  | -9.60        |
| 5729.24      | Peak                         | 52.58                             | 8.45         | 61.03                  | 68.20                  | -7.17        |
| 5740.22      | Peak                         | 51.71                             | 8.52         | 60.24                  | 68.20                  | -7.96        |

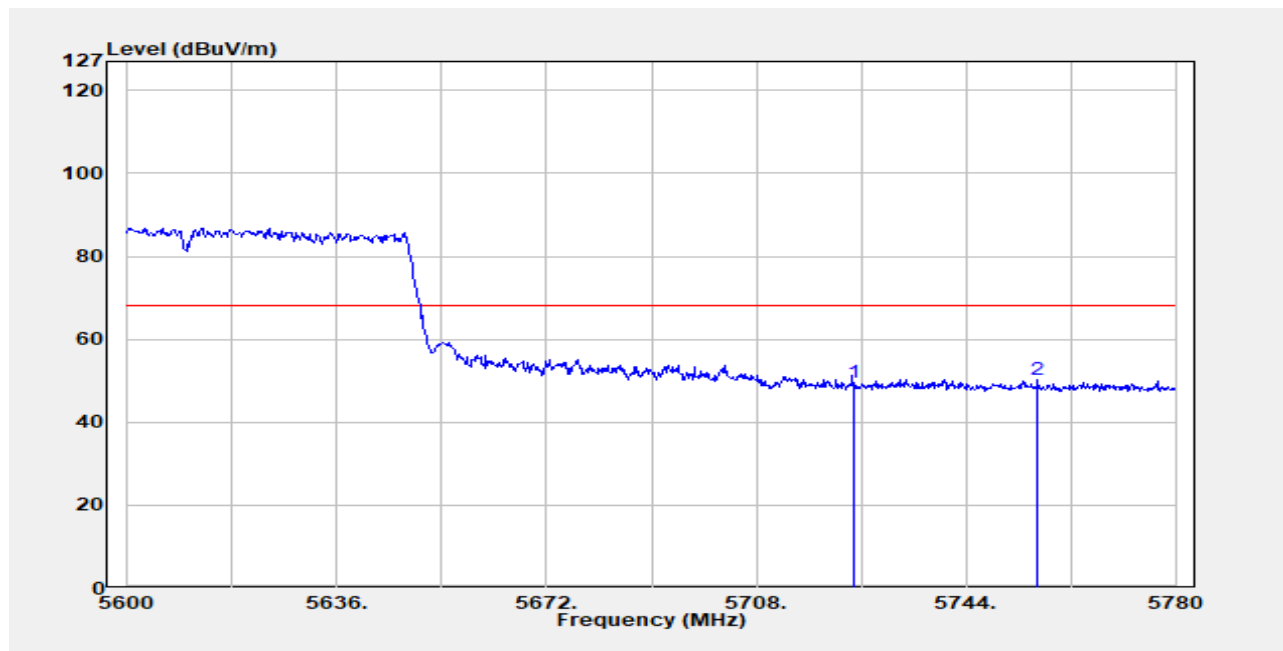
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00      | Peak                         | 41.04                             | 8.42         | 49.46                  | 68.20                  | -18.74       |
| 5756.42      | Peak                         | 41.70                             | 8.62         | 50.32                  | 68.20                  | -17.88       |

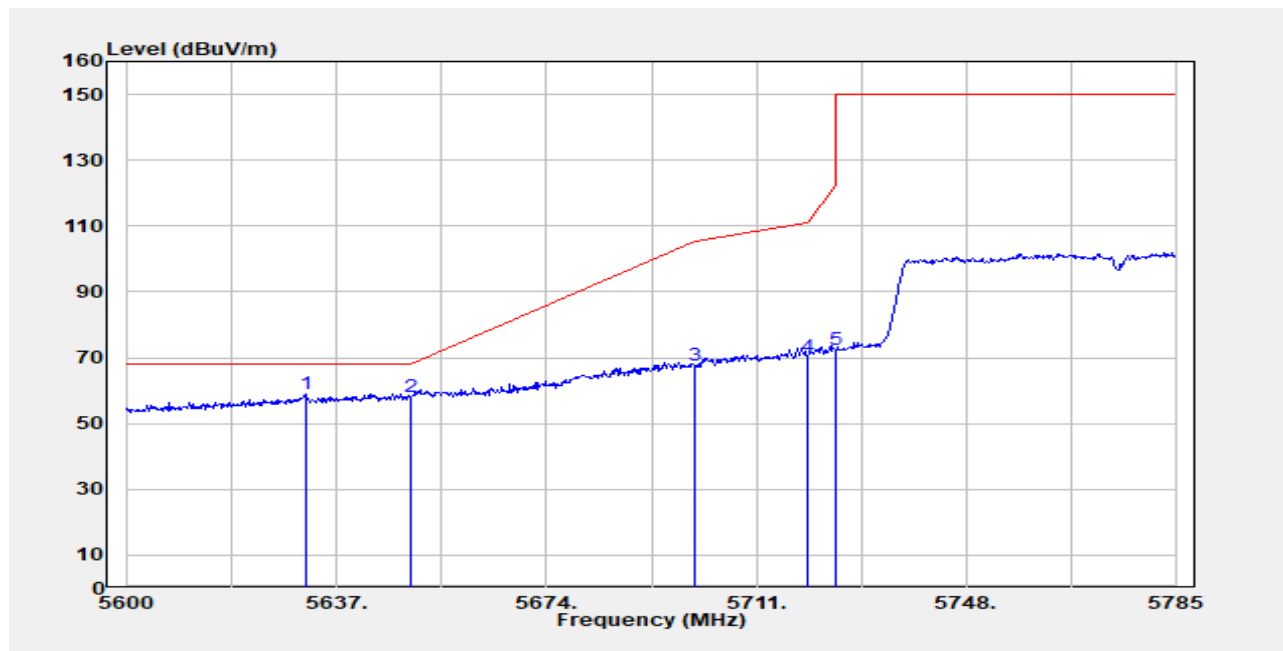
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5631.45      | Peak                         | 51.12                             | 7.78         | 58.89                  | 68.20                  | -9.31        |
| 5650.00      | Peak                         | 50.45                             | 7.80         | 58.25                  | 68.20                  | -9.95        |
| 5700.00      | Peak                         | 59.59                             | 8.25         | 67.85                  | 105.20                 | -37.35       |
| 5720.00      | Peak                         | 61.96                             | 8.39         | 70.35                  | 110.80                 | -40.45       |
| 5725.00      | Peak                         | 63.87                             | 8.42         | 72.29                  | 122.20                 | -49.91       |

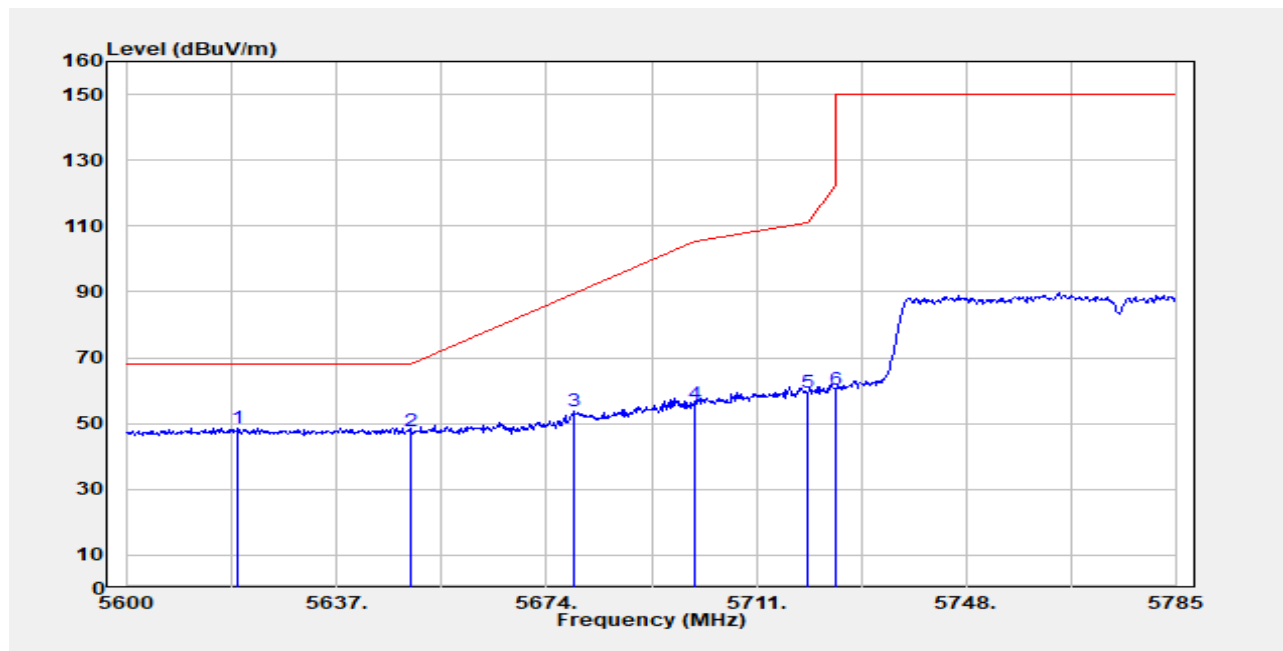
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5619.43      | Peak                         | 40.93                             | 7.76         | 48.70                  | 68.20                  | -19.50       |
| 5650.00      | Peak                         | 39.82                             | 7.80         | 47.62                  | 68.20                  | -20.58       |
| 5678.81      | Peak                         | 45.75                             | 8.06         | 53.81                  | 89.52                  | -35.70       |
| 5700.00      | Peak                         | 47.68                             | 8.25         | 55.94                  | 105.20                 | -49.26       |
| 5720.00      | Peak                         | 50.96                             | 8.39         | 59.35                  | 110.80                 | -51.45       |
| 5725.00      | Peak                         | 51.97                             | 8.42         | 60.39                  | 122.20                 | -61.81       |

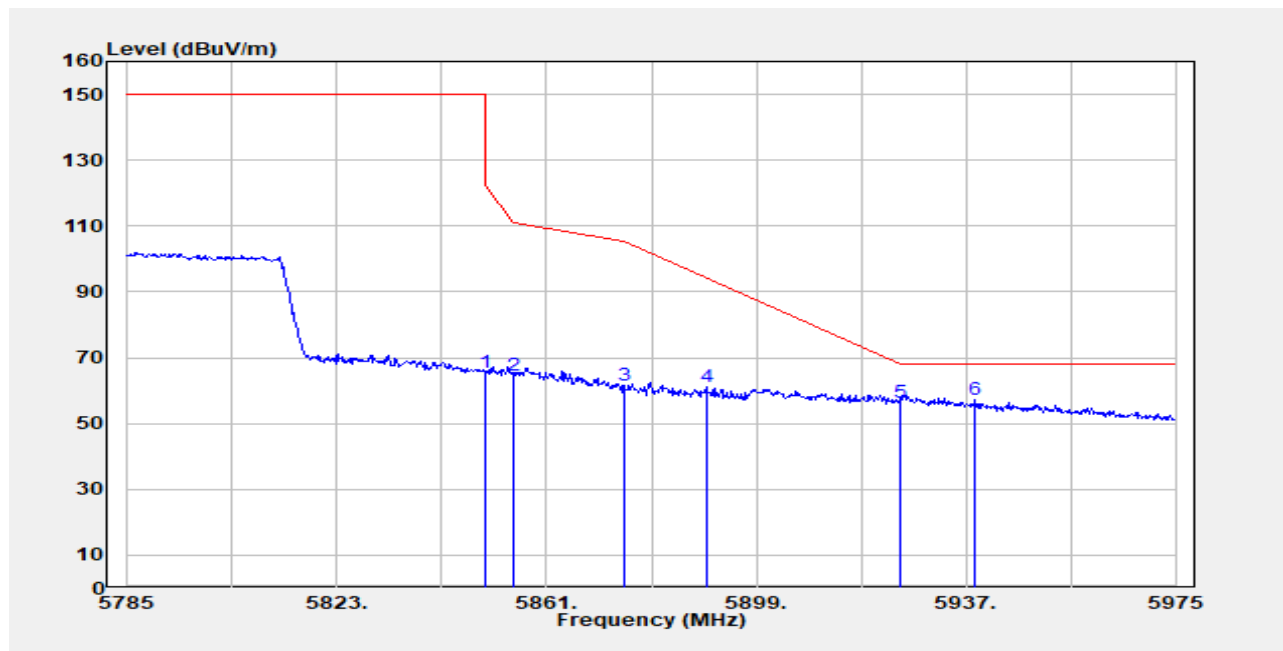
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 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00      | Peak                         | 56.47                             | 8.93         | 65.40                  | 122.20                 | -56.80       |
| 5855.00      | Peak                         | 55.58                             | 8.93         | 64.51                  | 110.80                 | -46.29       |
| 5875.00      | Peak                         | 52.79                             | 8.89         | 61.69                  | 105.20                 | -43.51       |
| 5889.88      | Peak                         | 52.13                             | 8.87         | 61.00                  | 94.19                  | -33.19       |
| 5925.00      | Peak                         | 47.49                             | 8.85         | 56.33                  | 68.20                  | -11.87       |
| 5938.71      | Peak                         | 48.31                             | 8.84         | 57.16                  | 68.20                  | -11.04       |

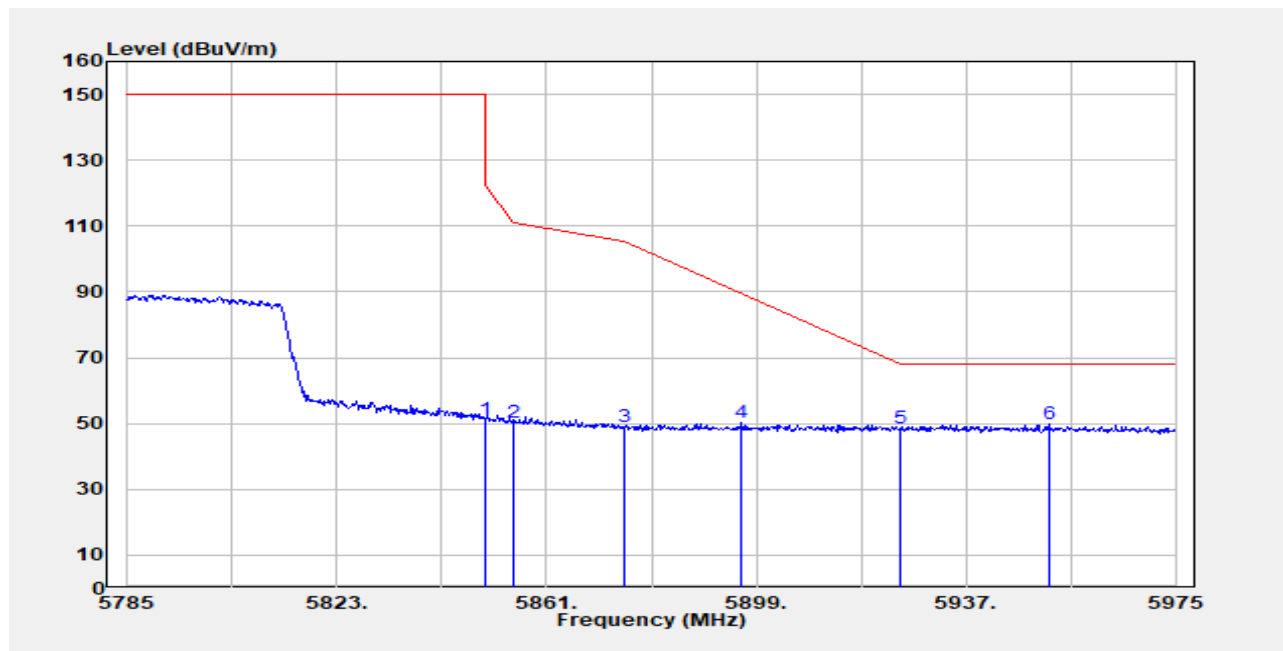
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-03  
 Temp./Humi. :21.4/60  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00      | Peak                         | 42.31                             | 8.93         | 51.25                  | 122.20                 | -70.95       |
| 5855.00      | Peak                         | 41.19                             | 8.93         | 50.12                  | 110.80                 | -60.68       |
| 5875.00      | Peak                         | 40.27                             | 8.89         | 49.16                  | 105.20                 | -56.04       |
| 5896.34      | Peak                         | 41.29                             | 8.86         | 50.15                  | 89.41                  | -39.26       |
| 5925.00      | Peak                         | 39.56                             | 8.85         | 48.41                  | 68.20                  | -19.79       |
| 5952.01      | Peak                         | 41.01                             | 8.83         | 49.84                  | 68.20                  | -18.36       |

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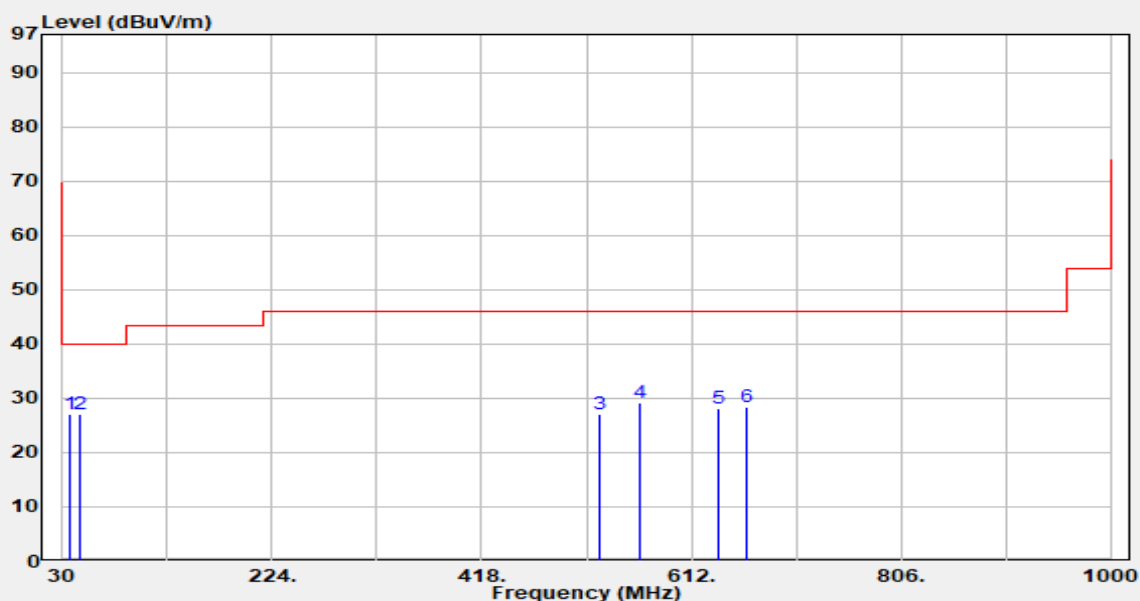
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## 12.7 禁用頻帶內輻射量測

Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5220 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 36.47        | Peak                         | 35.47                                   | -8.33        | 27.15                        | 40.00                        | -12.85       |
| 46.17        | Peak                         | 40.81                                   | -13.82       | 26.99                        | 40.00                        | -13.01       |
| 527.93       | Peak                         | 32.37                                   | -5.22        | 27.16                        | 46.00                        | -18.84       |
| 565.12       | Peak                         | 33.64                                   | -4.58        | 29.06                        | 46.00                        | -16.94       |
| 637.87       | Peak                         | 31.85                                   | -3.75        | 28.10                        | 46.00                        | -17.90       |
| 663.73       | Peak                         | 31.67                                   | -3.30        | 28.37                        | 46.00                        | -17.63       |

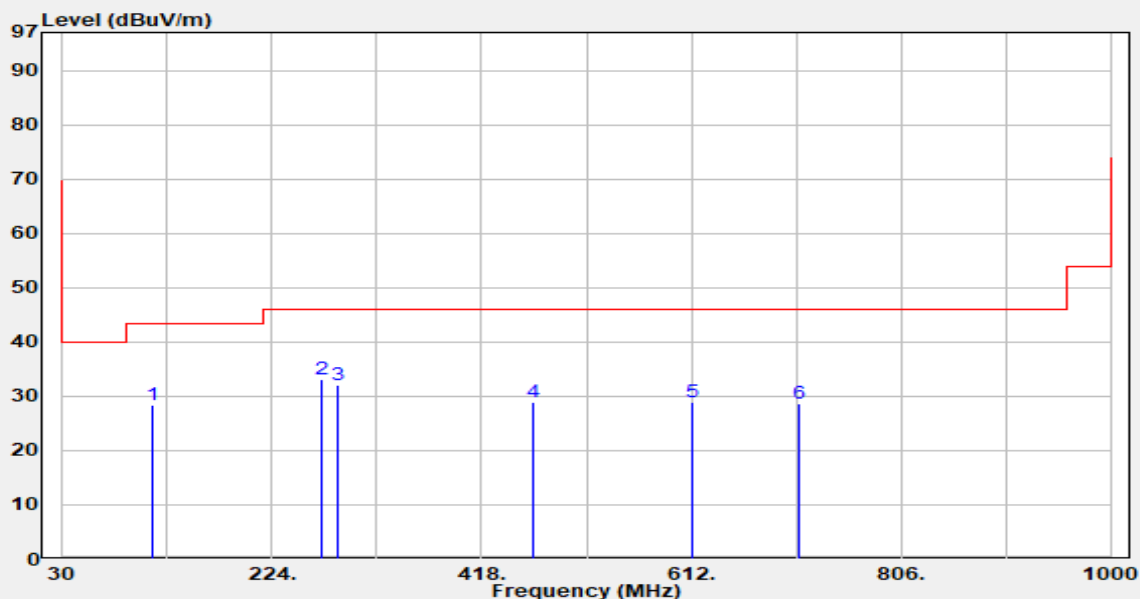
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5220 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 112.45       | Peak                         | 40.42                             | -11.91       | 28.51                  | 43.50                  | -14.99       |
| 269.27       | Peak                         | 42.66                             | -9.57        | 33.10                  | 46.00                  | -12.90       |
| 285.43       | Peak                         | 41.51                             | -9.38        | 32.14                  | 46.00                  | -13.86       |
| 466.50       | Peak                         | 34.84                             | -5.85        | 28.99                  | 46.00                  | -17.01       |
| 613.62       | Peak                         | 32.68                             | -3.64        | 29.04                  | 46.00                  | -16.96       |
| 712.23       | Peak                         | 32.00                             | -3.23        | 28.77                  | 46.00                  | -17.23       |

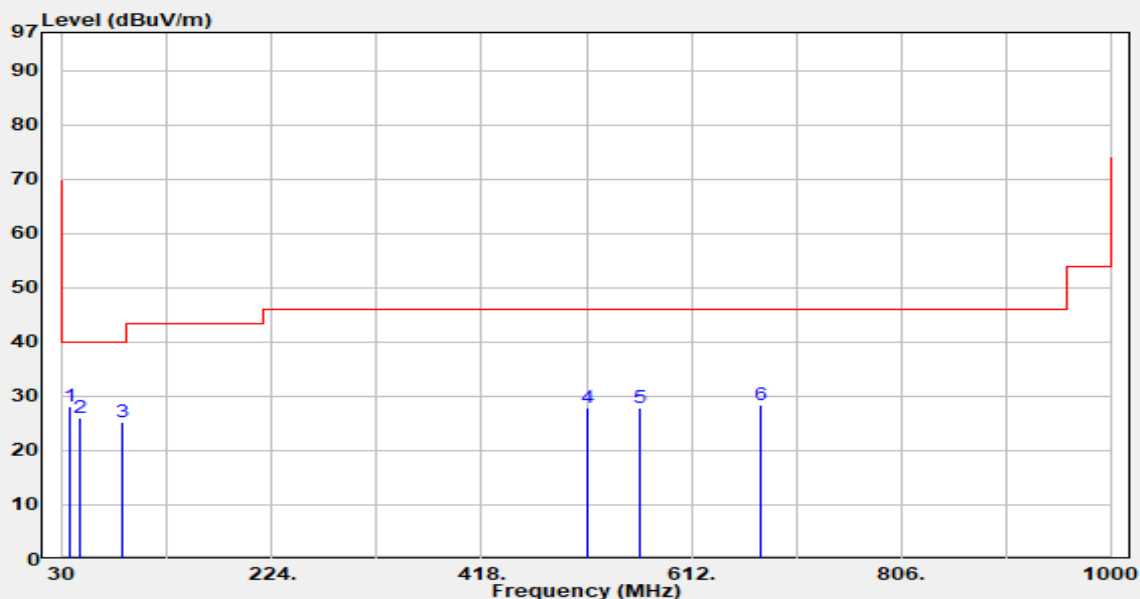
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5300 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 36.43                             | -8.33        | 28.10                  | 40.00                  | -11.90       |
| 46.17        | Peak                         | 39.86                             | -13.82       | 26.05                  | 40.00                  | -13.95       |
| 84.97        | Peak                         | 41.30                             | -15.98       | 25.32                  | 40.00                  | -14.68       |
| 516.62       | Peak                         | 33.15                             | -5.38        | 27.78                  | 46.00                  | -18.22       |
| 565.12       | Peak                         | 32.47                             | -4.58        | 27.89                  | 46.00                  | -18.11       |
| 676.67       | Peak                         | 31.06                             | -2.58        | 28.48                  | 46.00                  | -17.52       |

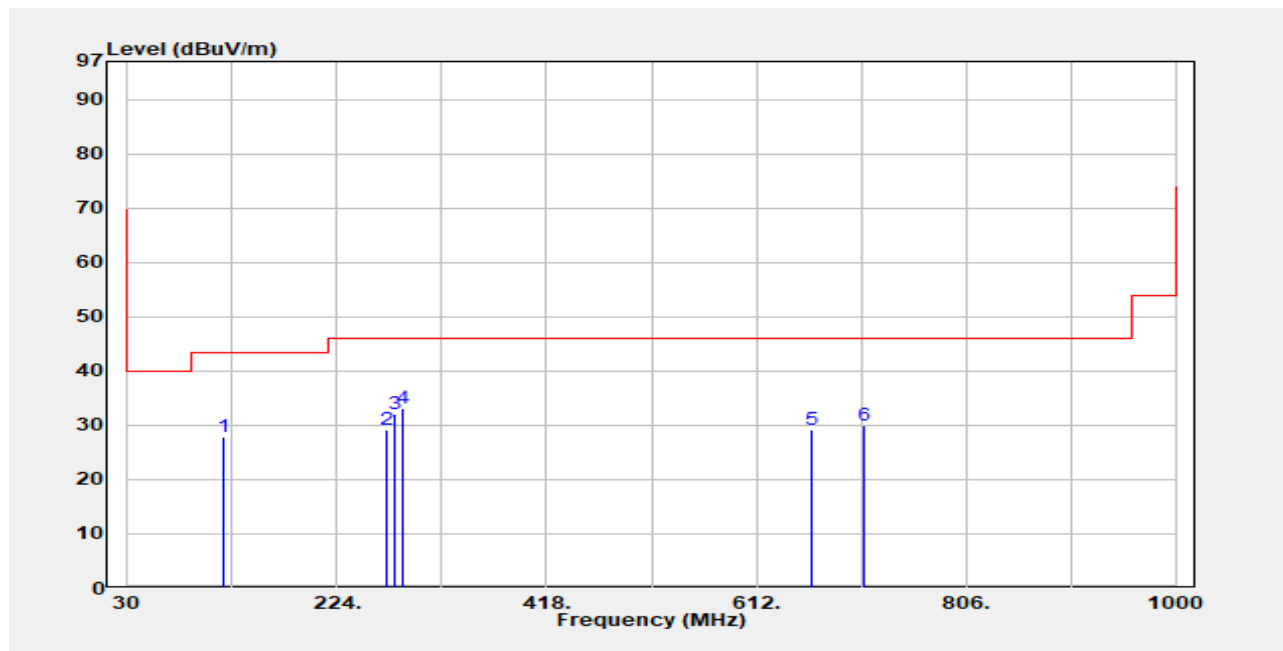
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5300 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 118.92       | Peak                         | 39.57                             | -11.58       | 27.99                  | 43.50                  | -15.51       |
| 269.27       | Peak                         | 38.69                             | -9.57        | 29.12                  | 46.00                  | -16.88       |
| 277.35       | Peak                         | 41.55                             | -9.50        | 32.05                  | 46.00                  | -13.95       |
| 285.43       | Peak                         | 42.56                             | -9.38        | 33.18                  | 46.00                  | -12.82       |
| 663.73       | Peak                         | 32.39                             | -3.30        | 29.09                  | 46.00                  | -16.91       |
| 712.23       | Peak                         | 33.30                             | -3.23        | 30.07                  | 46.00                  | -15.93       |

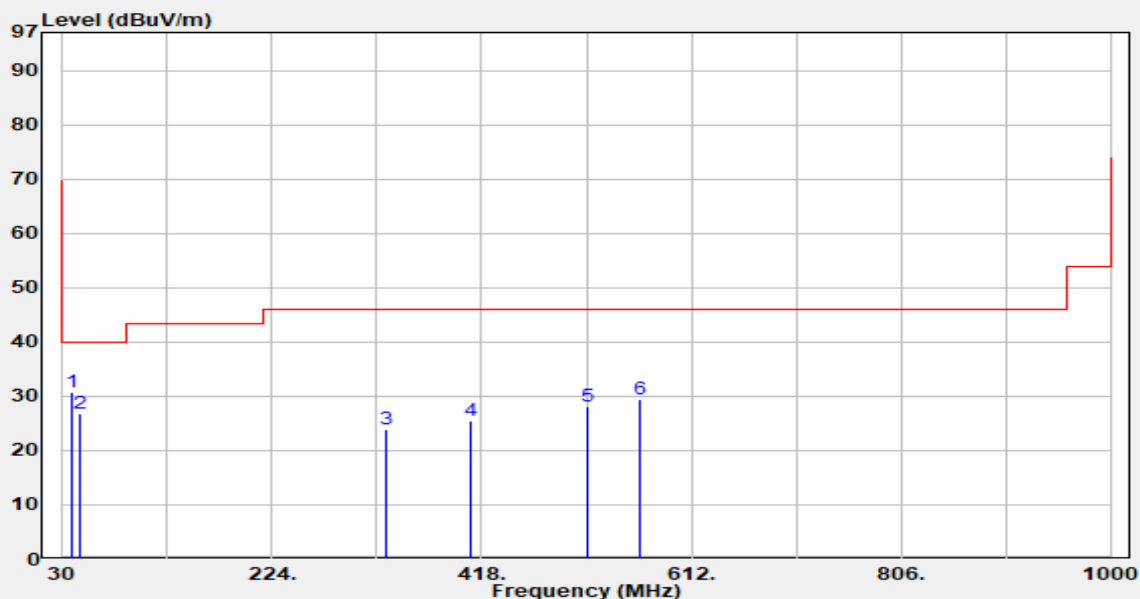
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5580 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 38.08        | Peak                         | 40.00                             | -9.26        | 30.74                  | 40.00                  | -9.26        |
| 46.17        | Peak                         | 40.61                             | -13.82       | 26.80                  | 40.00                  | -13.20       |
| 329.08       | Peak                         | 32.26                             | -8.33        | 23.93                  | 46.00                  | -22.07       |
| 408.30       | Peak                         | 31.89                             | -6.35        | 25.53                  | 46.00                  | -20.47       |
| 516.62       | Peak                         | 33.63                             | -5.38        | 28.26                  | 46.00                  | -17.74       |
| 565.12       | Peak                         | 34.09                             | -4.58        | 29.51                  | 46.00                  | -16.49       |

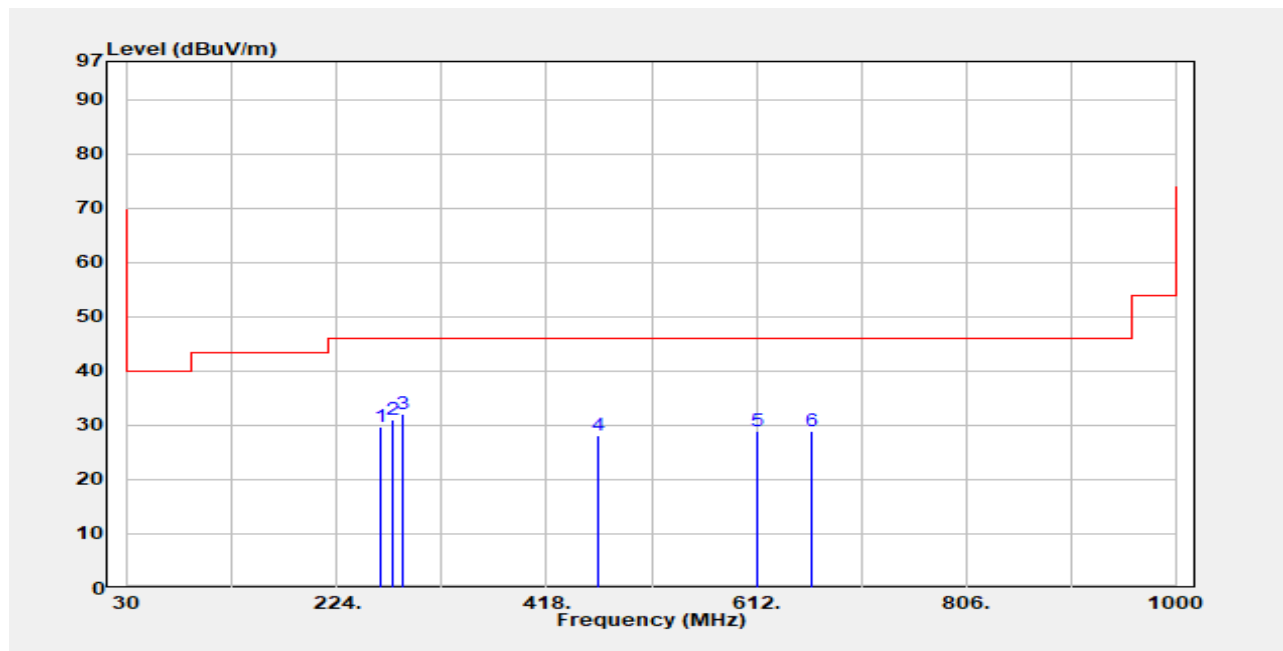
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5580 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 264.42       | Peak                         | 38.73                             | -9.14        | 29.59                  | 46.00                  | -16.41       |
| 275.73       | Peak                         | 40.57                             | -9.55        | 31.02                  | 46.00                  | -14.98       |
| 285.43       | Peak                         | 41.52                             | -9.38        | 32.14                  | 46.00                  | -13.86       |
| 466.50       | Peak                         | 33.85                             | -5.85        | 28.00                  | 46.00                  | -18.00       |
| 613.62       | Peak                         | 32.67                             | -3.64        | 29.03                  | 46.00                  | -16.97       |
| 663.73       | Peak                         | 32.27                             | -3.30        | 28.98                  | 46.00                  | -17.02       |

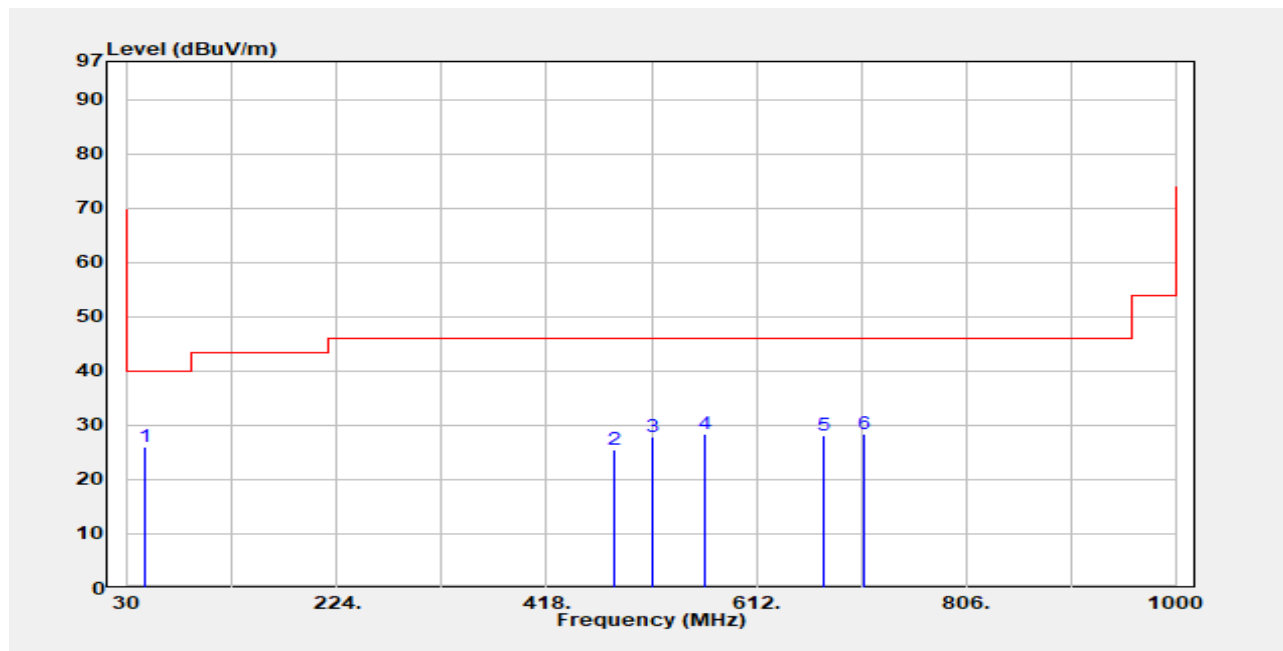
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5785 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 46.17        | Peak                         | 39.93                             | -13.82       | 26.11                  | 40.00                  | -13.89       |
| 481.05       | Peak                         | 30.74                             | -5.37        | 25.37                  | 46.00                  | -20.63       |
| 516.62       | Peak                         | 33.29                             | -5.38        | 27.92                  | 46.00                  | -18.08       |
| 565.12       | Peak                         | 33.00                             | -4.58        | 28.43                  | 46.00                  | -17.57       |
| 675.05       | Peak                         | 30.58                             | -2.49        | 28.09                  | 46.00                  | -17.91       |
| 712.23       | Peak                         | 31.60                             | -3.23        | 28.37                  | 46.00                  | -17.63       |

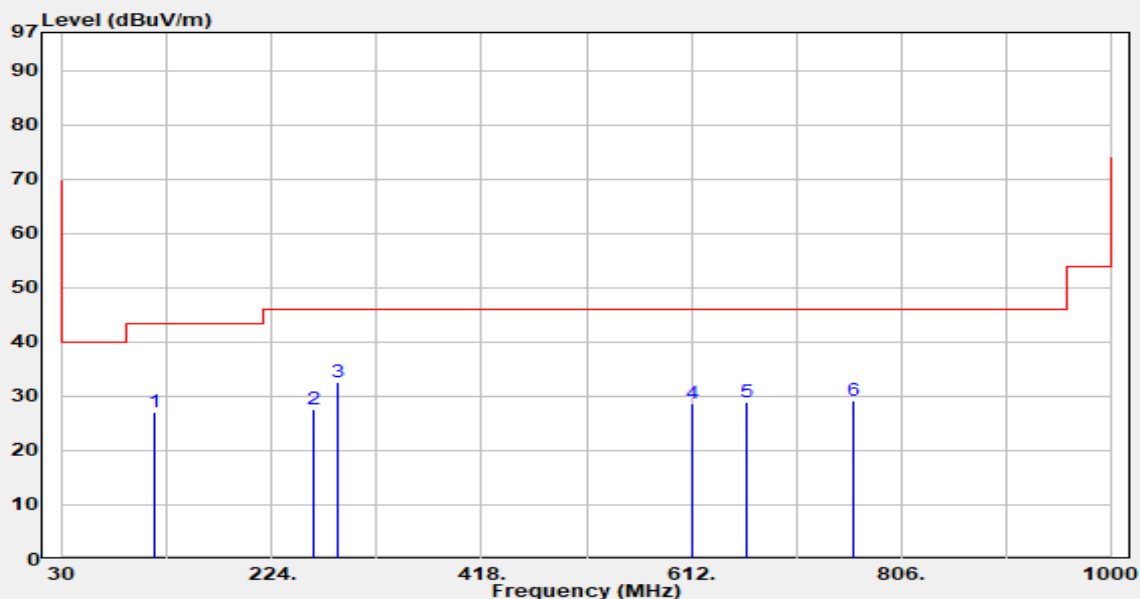
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5785 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 115.68       | Peak                         | 39.01                             | -11.82       | 27.19                  | 43.50                  | -16.31       |
| 262.80       | Peak                         | 36.65                             | -8.99        | 27.67                  | 46.00                  | -18.33       |
| 285.43       | Peak                         | 42.09                             | -9.38        | 32.71                  | 46.00                  | -13.29       |
| 613.62       | Peak                         | 32.38                             | -3.64        | 28.74                  | 46.00                  | -17.26       |
| 663.73       | Peak                         | 32.09                             | -3.30        | 28.79                  | 46.00                  | -17.21       |
| 762.35       | Peak                         | 30.96                             | -1.91        | 29.06                  | 46.00                  | -16.94       |

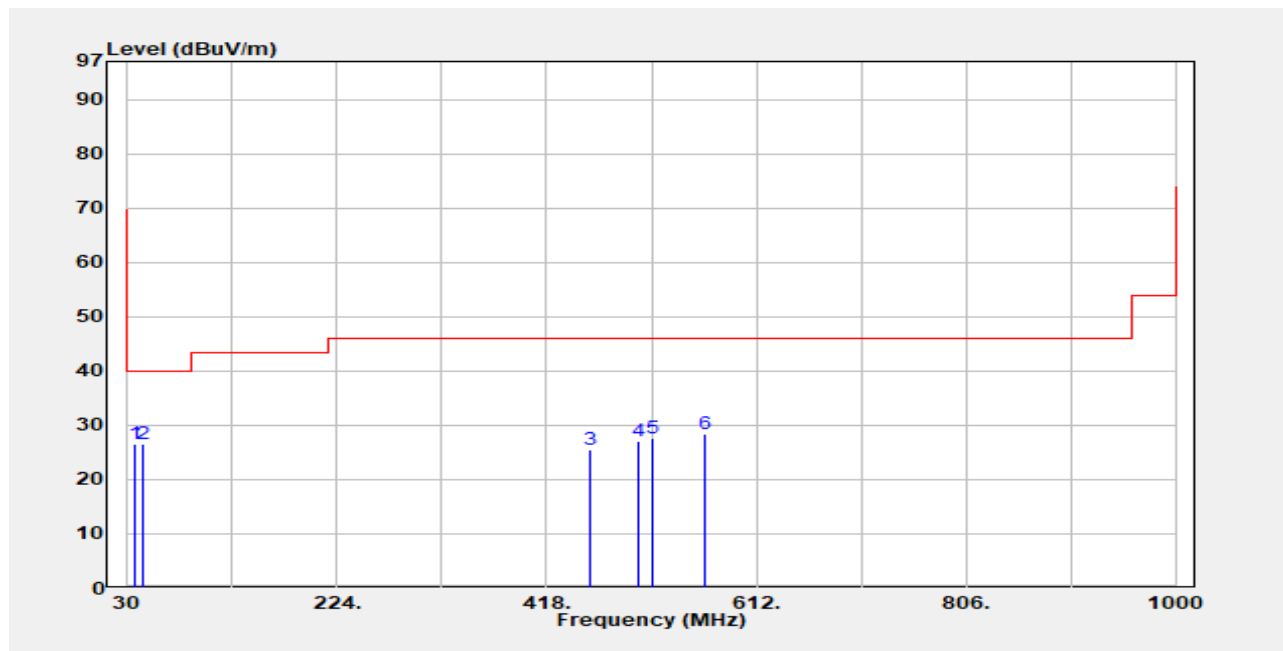
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 34.80                             | -8.33        | 26.48                  | 40.00                  | -13.52       |
| 44.55        | Peak                         | 39.44                             | -12.91       | 26.53                  | 40.00                  | -13.47       |
| 458.42       | Peak                         | 31.31                             | -5.88        | 25.43                  | 46.00                  | -20.57       |
| 502.07       | Peak                         | 32.41                             | -5.24        | 27.17                  | 46.00                  | -18.83       |
| 516.62       | Peak                         | 32.95                             | -5.38        | 27.58                  | 46.00                  | -18.43       |
| 565.12       | Peak                         | 32.84                             | -4.58        | 28.26                  | 46.00                  | -17.74       |

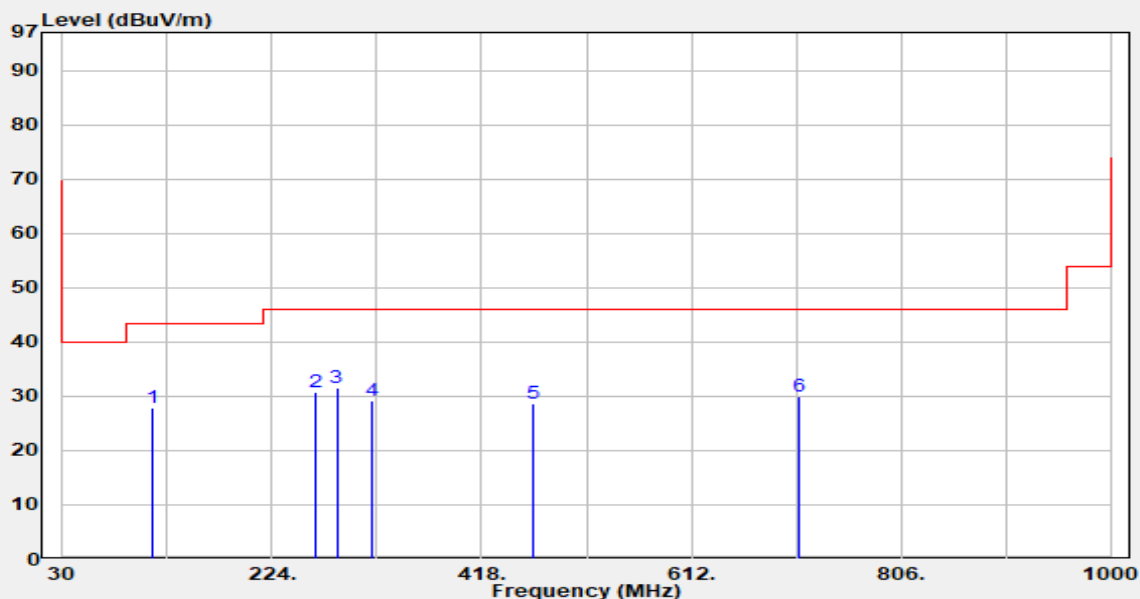
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 112.45       | Peak                         | 39.64                             | -11.91       | 27.74                  | 43.50                  | -15.76       |
| 264.42       | Peak                         | 39.90                             | -9.14        | 30.76                  | 46.00                  | -15.24       |
| 283.82       | Peak                         | 41.03                             | -9.40        | 31.63                  | 46.00                  | -14.37       |
| 316.15       | Peak                         | 37.79                             | -8.70        | 29.09                  | 46.00                  | -16.91       |
| 466.50       | Peak                         | 34.47                             | -5.85        | 28.62                  | 46.00                  | -17.38       |
| 712.23       | Peak                         | 33.15                             | -3.23        | 29.92                  | 46.00                  | -16.08       |

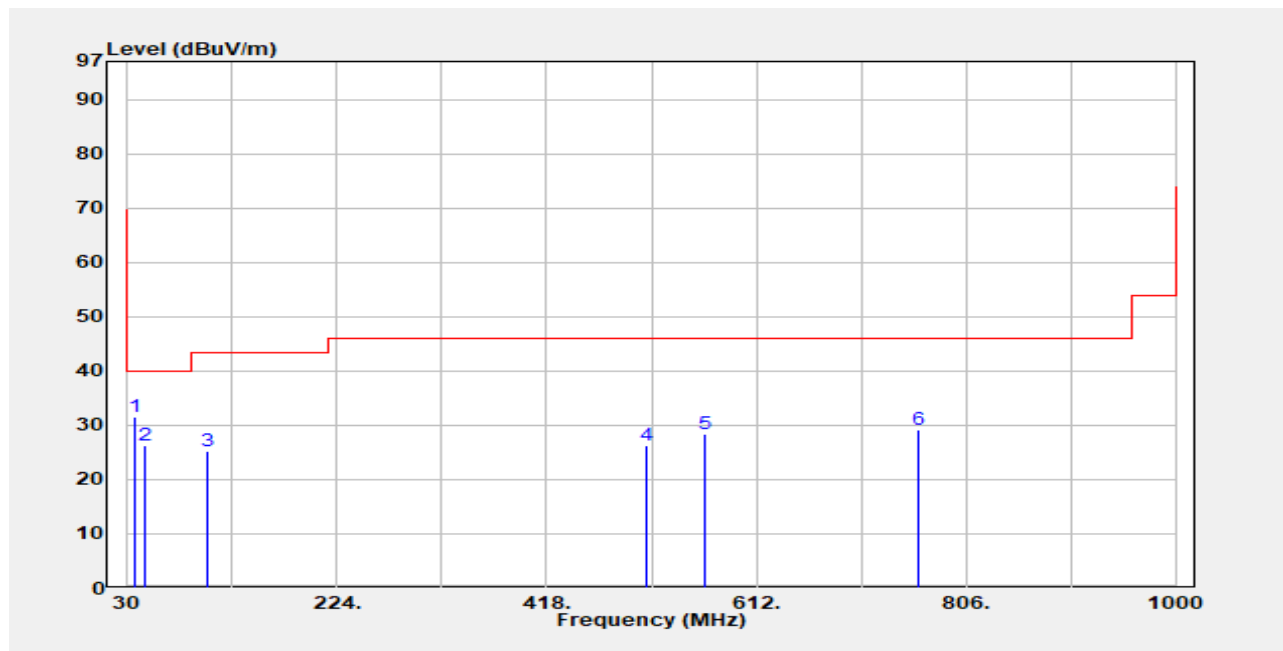
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 39.95                             | -8.33        | 31.62                  | 40.00                  | -8.38        |
| 46.17        | Peak                         | 40.22                             | -13.82       | 26.41                  | 40.00                  | -13.59       |
| 104.37       | Peak                         | 38.00                             | -12.71       | 25.30                  | 43.50                  | -18.20       |
| 510.15       | Peak                         | 31.46                             | -5.19        | 26.26                  | 46.00                  | -19.74       |
| 565.12       | Peak                         | 33.02                             | -4.58        | 28.44                  | 46.00                  | -17.56       |
| 762.35       | Peak                         | 31.10                             | -1.91        | 29.19                  | 46.00                  | -16.81       |

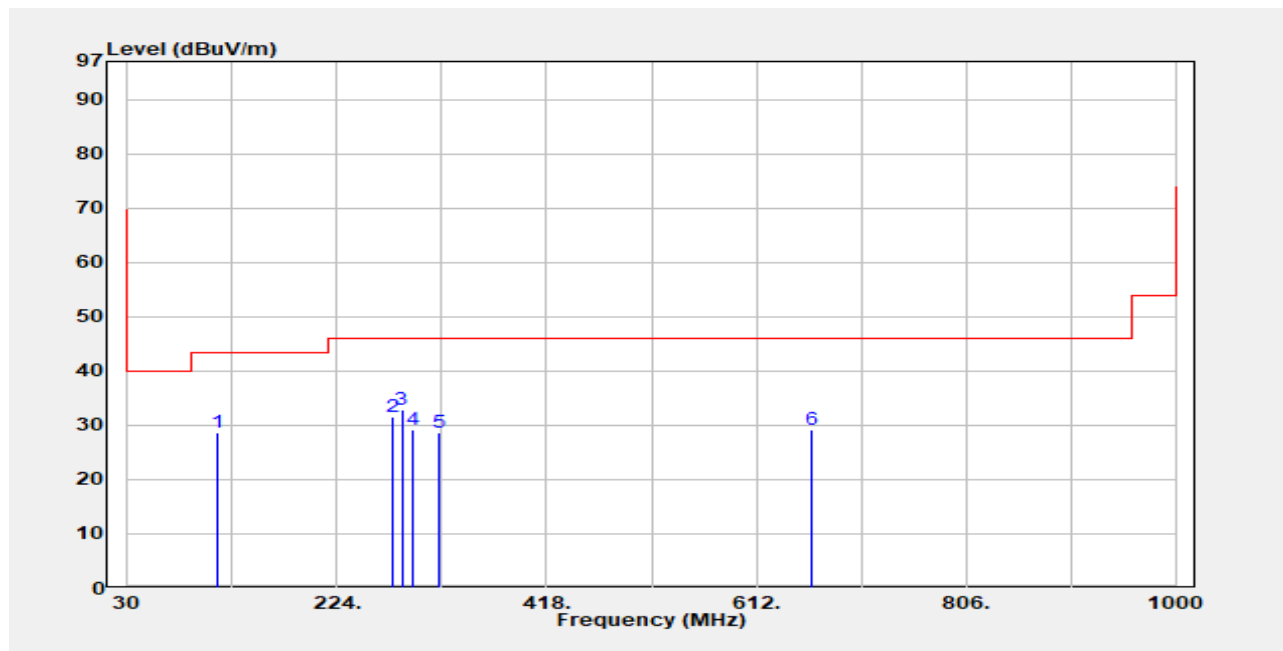
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 112.45       | Peak                         | 40.51                             | -11.91       | 28.61                  | 43.50                  | -14.89       |
| 275.73       | Peak                         | 41.12                             | -9.55        | 31.57                  | 46.00                  | -14.43       |
| 283.82       | Peak                         | 42.21                             | -9.40        | 32.81                  | 46.00                  | -13.19       |
| 293.52       | Peak                         | 38.52                             | -9.23        | 29.29                  | 46.00                  | -16.71       |
| 317.77       | Peak                         | 37.36                             | -8.61        | 28.75                  | 46.00                  | -17.25       |
| 663.73       | Peak                         | 32.43                             | -3.30        | 29.13                  | 46.00                  | -16.87       |

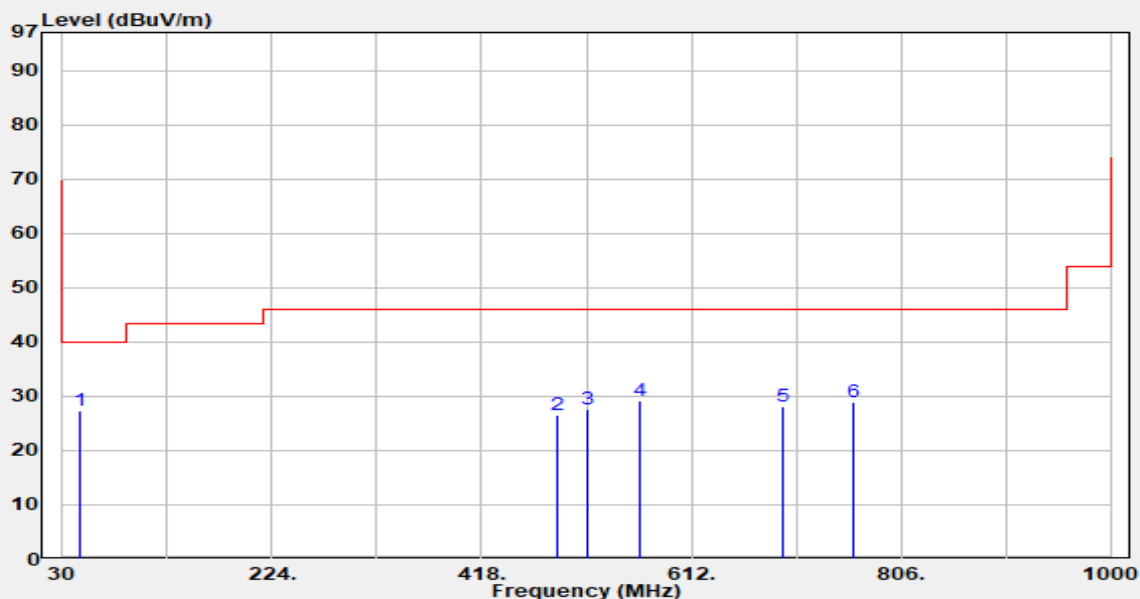
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 46.17        | Peak                         | 41.05                             | -13.82       | 27.24                  | 40.00                  | -12.76       |
| 487.52       | Peak                         | 31.91                             | -5.29        | 26.62                  | 46.00                  | -19.38       |
| 516.62       | Peak                         | 32.98                             | -5.38        | 27.60                  | 46.00                  | -18.40       |
| 565.12       | Peak                         | 33.73                             | -4.58        | 29.15                  | 46.00                  | -16.85       |
| 697.68       | Peak                         | 30.93                             | -2.73        | 28.20                  | 46.00                  | -17.80       |
| 762.35       | Peak                         | 30.95                             | -1.91        | 29.04                  | 46.00                  | -16.96       |

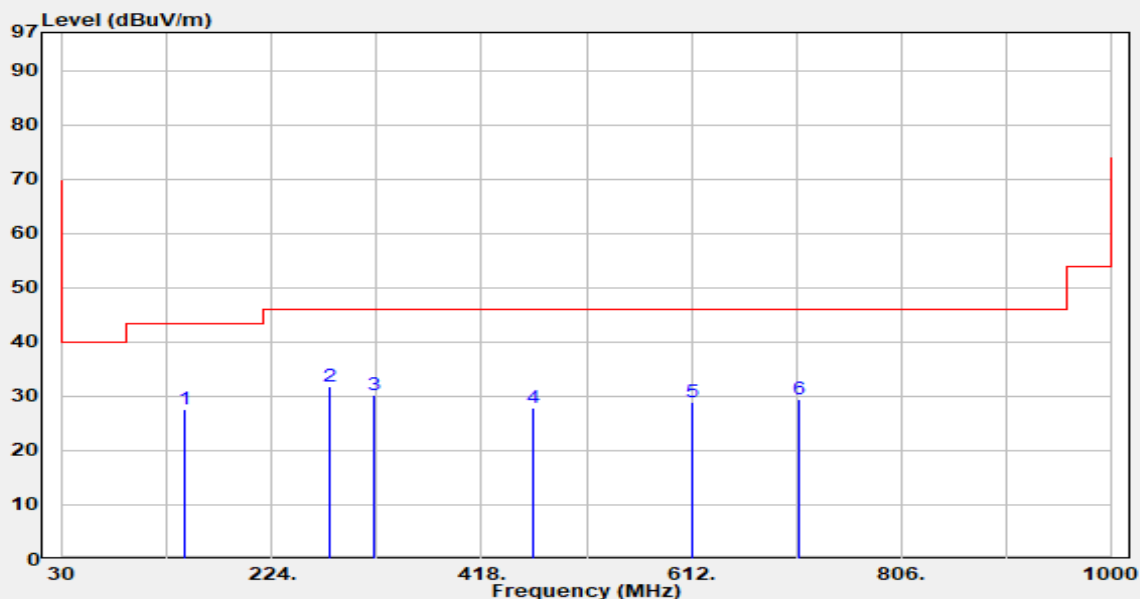
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 143.17       | Peak                         | 40.07                             | -12.40       | 27.66                  | 43.50                  | -15.84       |
| 277.35       | Peak                         | 41.19                             | -9.50        | 31.69                  | 46.00                  | -14.31       |
| 317.77       | Peak                         | 38.91                             | -8.61        | 30.29                  | 46.00                  | -15.71       |
| 466.50       | Peak                         | 33.60                             | -5.85        | 27.75                  | 46.00                  | -18.25       |
| 613.62       | Peak                         | 32.60                             | -3.64        | 28.96                  | 46.00                  | -17.04       |
| 712.23       | Peak                         | 32.58                             | -3.23        | 29.35                  | 46.00                  | -16.65       |

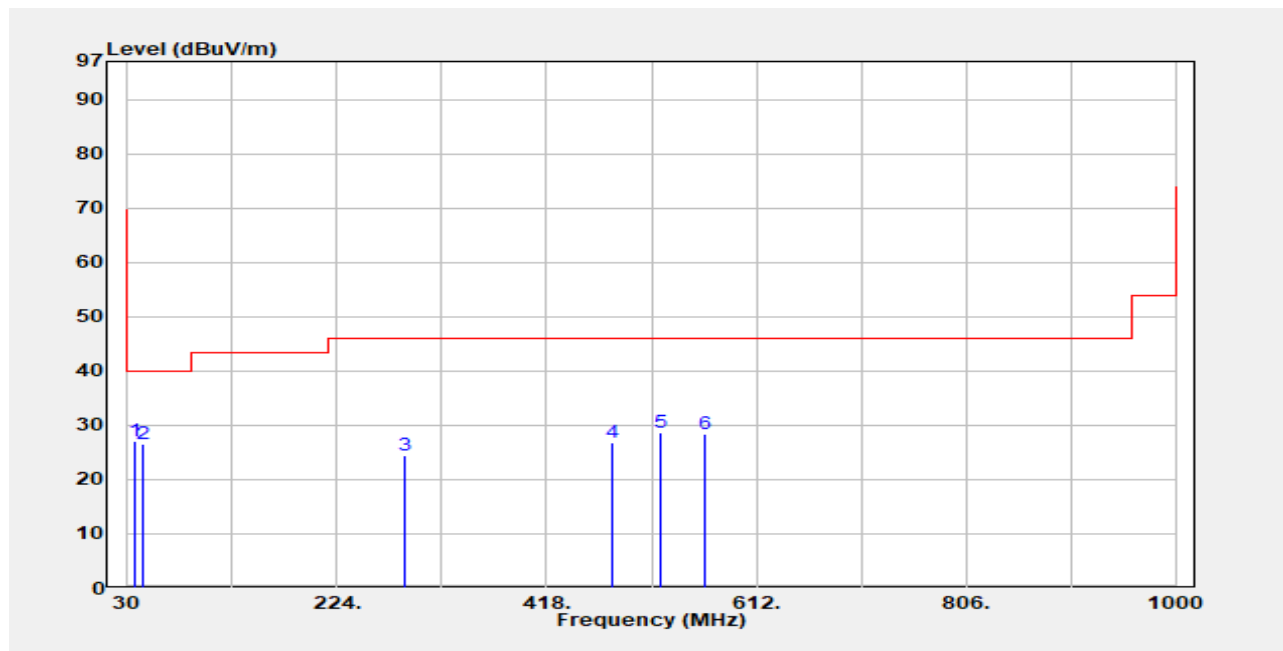
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 35.29                             | -8.33        | 26.96                  | 40.00                  | -13.04       |
| 44.55        | Peak                         | 39.41                             | -12.91       | 26.50                  | 40.00                  | -13.50       |
| 287.05       | Peak                         | 33.67                             | -9.34        | 24.33                  | 46.00                  | -21.67       |
| 479.43       | Peak                         | 32.30                             | -5.43        | 26.87                  | 46.00                  | -19.13       |
| 523.08       | Peak                         | 33.88                             | -5.23        | 28.65                  | 46.00                  | -17.35       |
| 565.12       | Peak                         | 32.99                             | -4.58        | 28.41                  | 46.00                  | -17.59       |

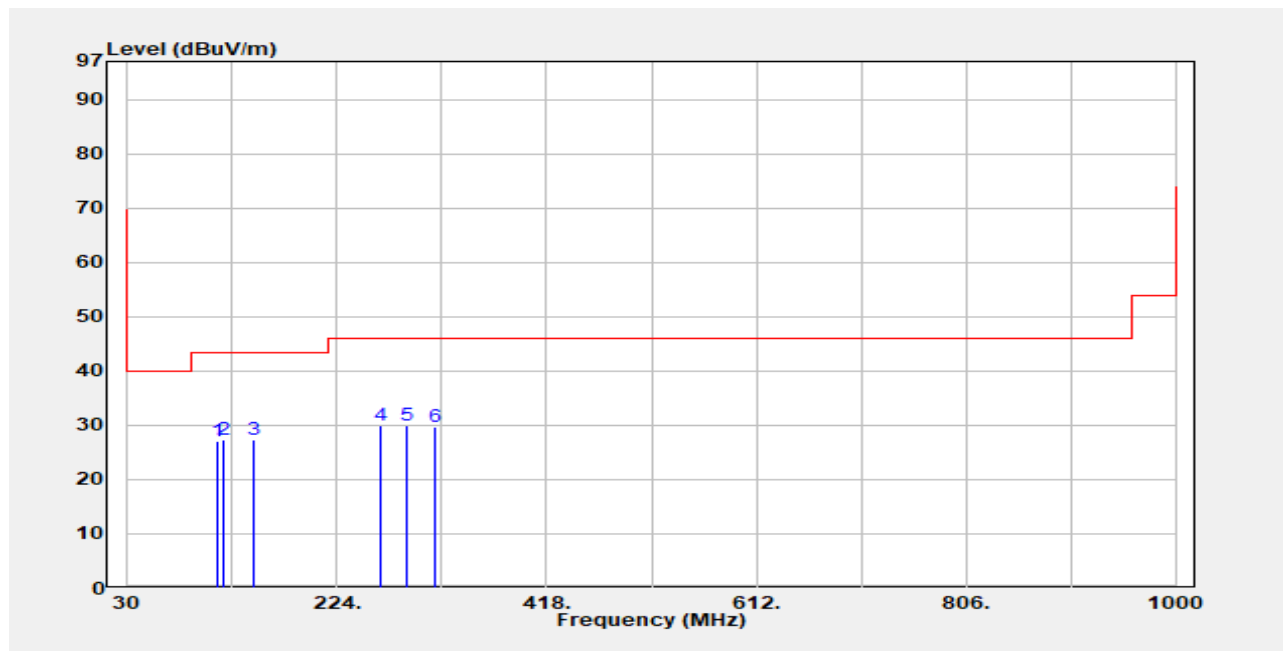
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 114.07       | Peak                         | 38.82                             | -11.78       | 27.04                  | 43.50                  | -16.46       |
| 118.92       | Peak                         | 39.04                             | -11.58       | 27.45                  | 43.50                  | -16.05       |
| 146.40       | Peak                         | 39.94                             | -12.61       | 27.33                  | 43.50                  | -16.17       |
| 264.42       | Peak                         | 39.06                             | -9.14        | 29.92                  | 46.00                  | -16.08       |
| 288.67       | Peak                         | 39.23                             | -9.30        | 29.94                  | 46.00                  | -16.06       |
| 314.53       | Peak                         | 38.52                             | -8.80        | 29.73                  | 46.00                  | -16.27       |

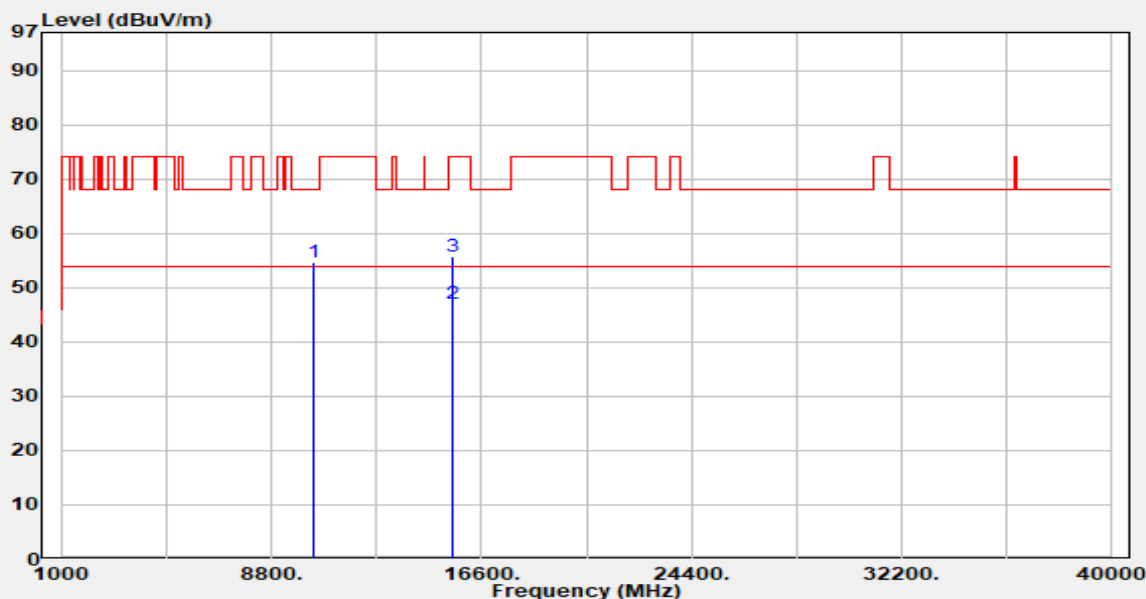
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5180 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 35.21                             | 19.42        | 54.63                  | 68.20                  | -13.57       |
| 15540.00     | Average                      | 24.55                             | 22.50        | 47.05                  | 54.00                  | -6.95        |
| 15540.00     | Peak                         | 33.34                             | 22.50        | 55.84                  | 74.00                  | -18.16       |

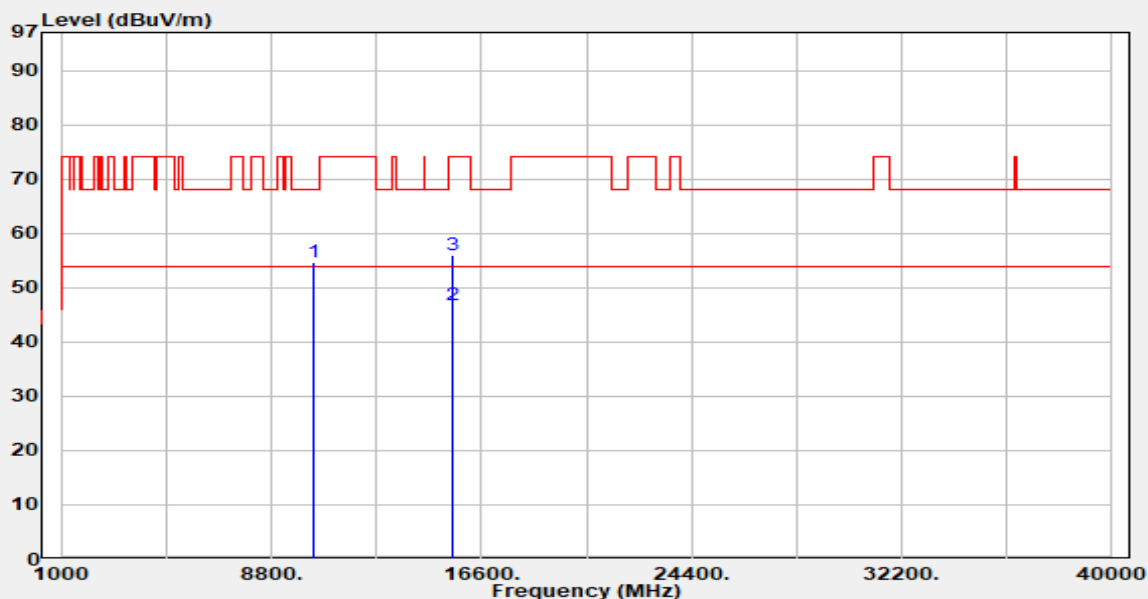
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5180 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 35.26                             | 19.42        | 54.68                  | 68.20                  | -13.52       |
| 15540.00     | Average                      | 24.39                             | 22.50        | 46.89                  | 54.00                  | -7.11        |
| 15540.00     | Peak                         | 33.50                             | 22.50        | 56.00                  | 74.00                  | -18.00       |

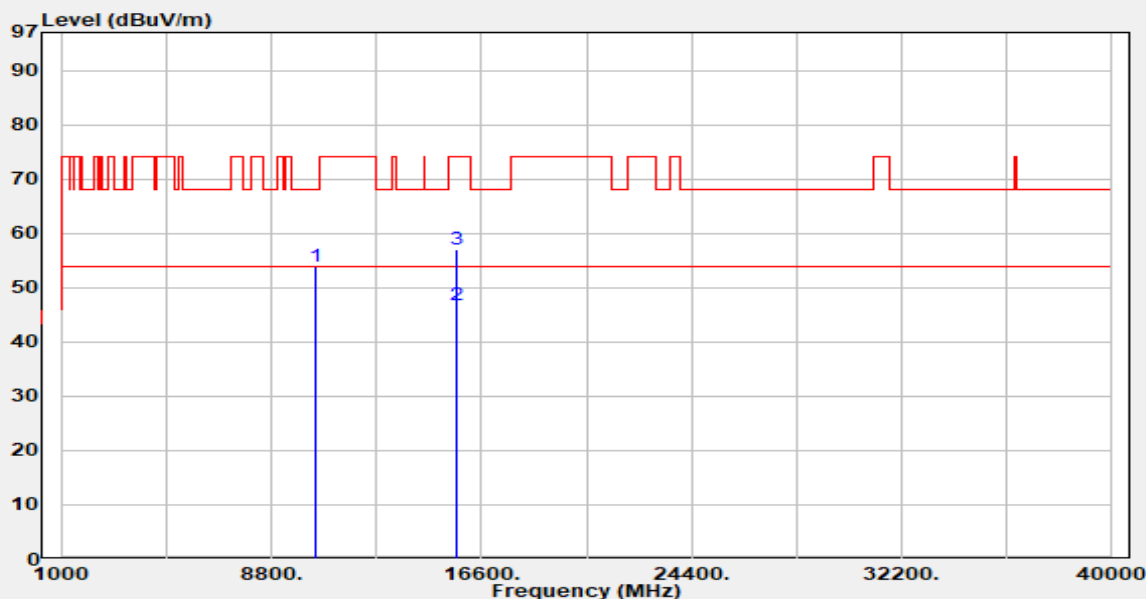
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5220 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.00     | Peak                         | 34.66                             | 19.25        | 53.91                  | 68.20                  | -14.29       |
| 15660.00     | Average                      | 24.94                             | 21.82        | 46.76                  | 54.00                  | -7.24        |
| 15660.00     | Peak                         | 35.35                             | 21.82        | 57.17                  | 74.00                  | -16.83       |

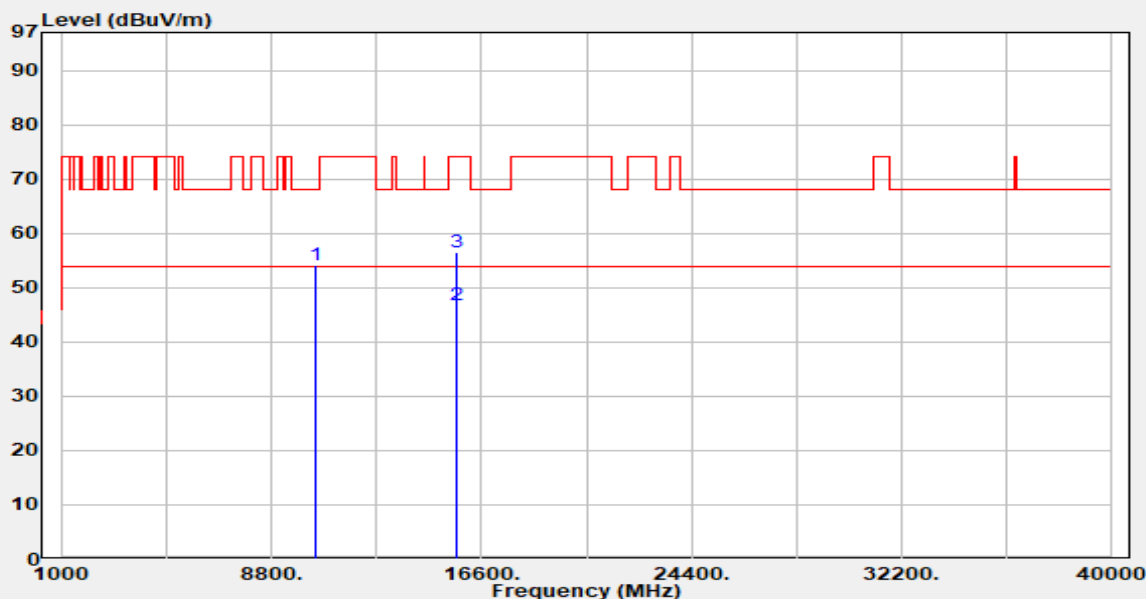
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5220 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.00     | Peak                         | 34.94                             | 19.25        | 54.19                  | 68.20                  | -14.01       |
| 15660.00     | Average                      | 24.91                             | 21.82        | 46.73                  | 54.00                  | -7.27        |
| 15660.00     | Peak                         | 34.57                             | 21.82        | 56.39                  | 74.00                  | -17.61       |

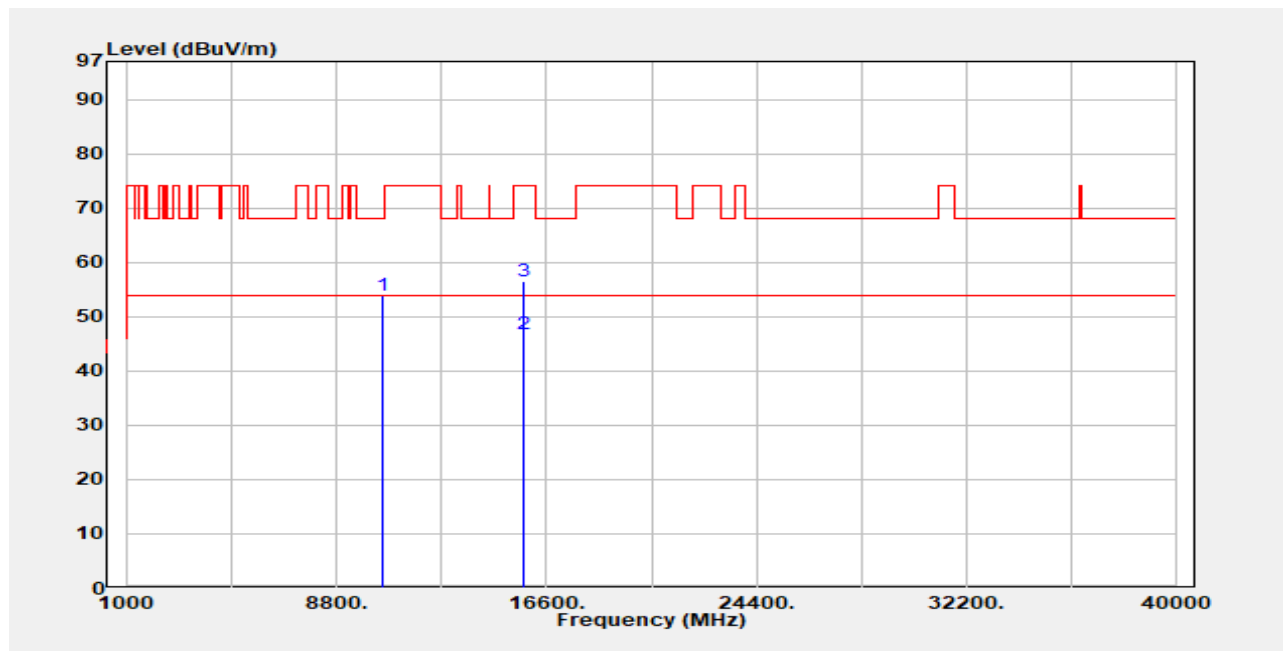
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5240 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.00     | Peak                         | 33.89                             | 20.01        | 53.90                  | 68.20                  | -14.30       |
| 15720.00     | Average                      | 25.24                             | 21.53        | 46.77                  | 54.00                  | -7.23        |
| 15720.00     | Peak                         | 35.08                             | 21.53        | 56.61                  | 74.00                  | -17.39       |

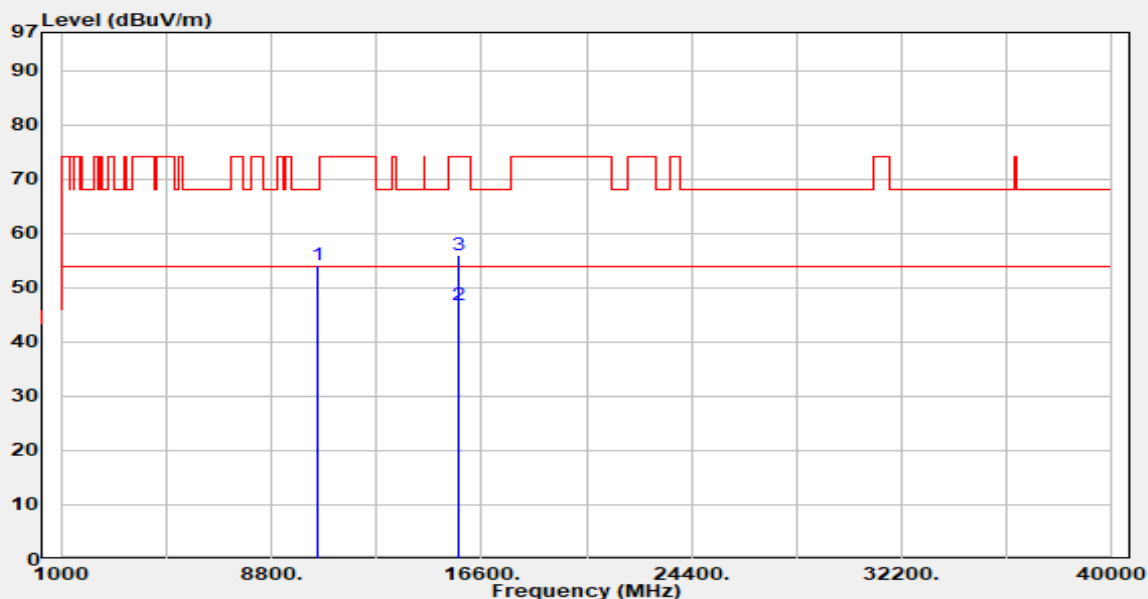
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5240 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.00     | Peak                         | 34.15                             | 20.01        | 54.16                  | 68.20                  | -14.04       |
| 15720.00     | Average                      | 25.16                             | 21.53        | 46.69                  | 54.00                  | -7.31        |
| 15720.00     | Peak                         | 34.45                             | 21.53        | 55.98                  | 74.00                  | -18.02       |

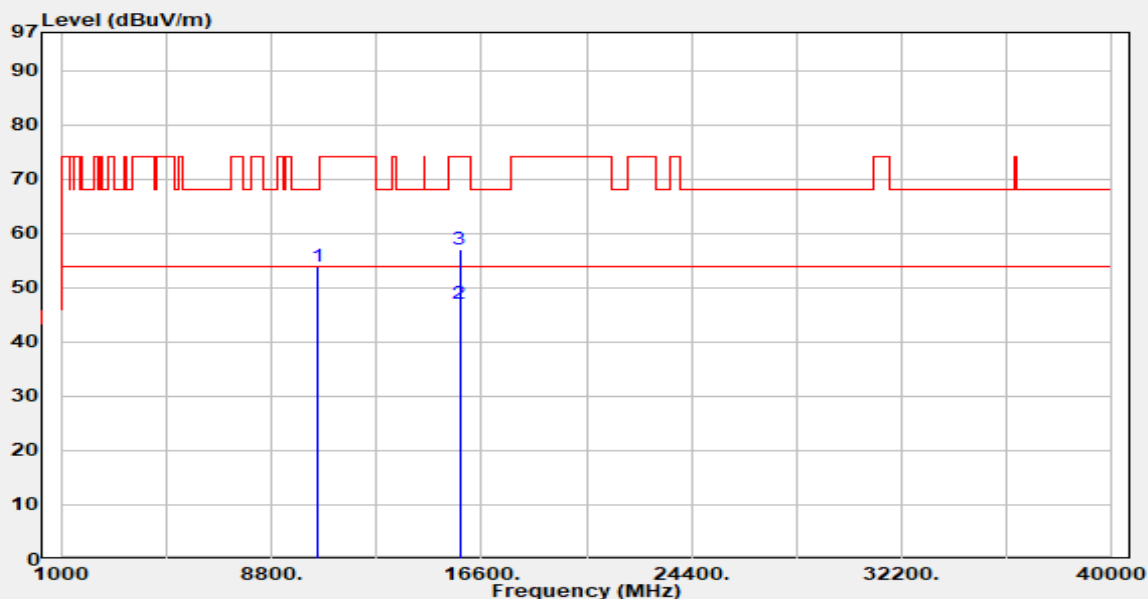
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5260 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 34.09                             | 19.92        | 54.00                  | 68.20                  | -14.20       |
| 15780.00     | Average                      | 25.37                             | 21.74        | 47.11                  | 54.00                  | -6.89        |
| 15780.00     | Peak                         | 35.38                             | 21.74        | 57.12                  | 74.00                  | -16.88       |

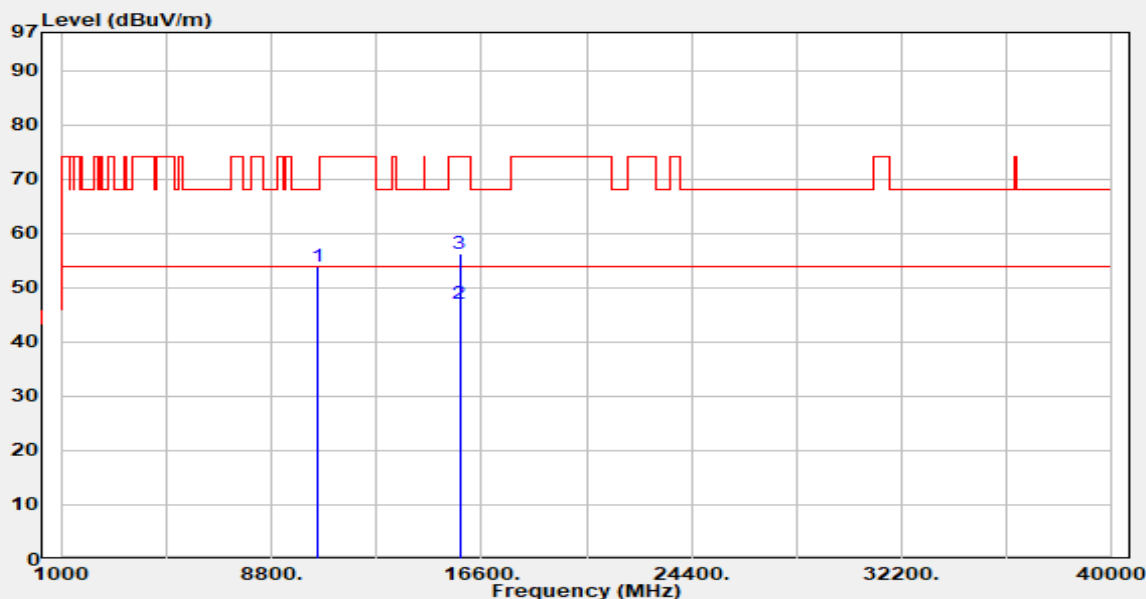
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5260 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 33.86                             | 19.92        | 53.77                  | 68.20                  | -14.43       |
| 15780.00     | Average                      | 25.33                             | 21.74        | 47.07                  | 54.00                  | -6.93        |
| 15780.00     | Peak                         | 34.56                             | 21.74        | 56.30                  | 74.00                  | -17.70       |

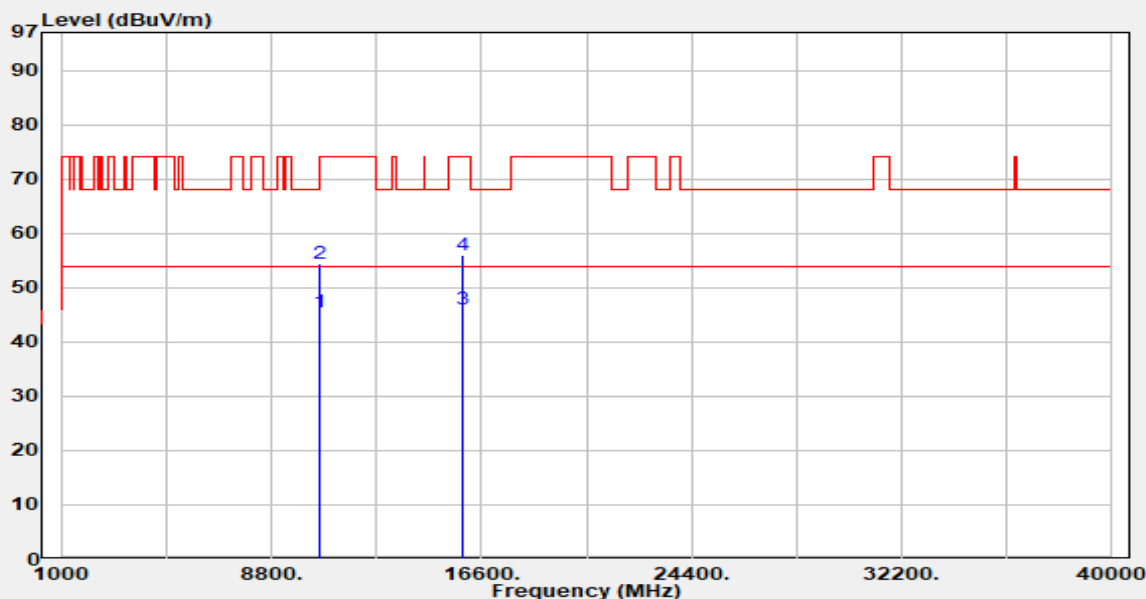
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5300 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.00     | Average                      | 25.48                             | 19.99        | 45.47                  | 54.00                  | -8.53        |
| 10600.00     | Peak                         | 34.36                             | 19.99        | 54.36                  | 74.00                  | -19.64       |
| 15900.00     | Average                      | 25.18                             | 20.90        | 46.08                  | 54.00                  | -7.92        |
| 15900.00     | Peak                         | 35.06                             | 20.90        | 55.96                  | 74.00                  | -18.04       |

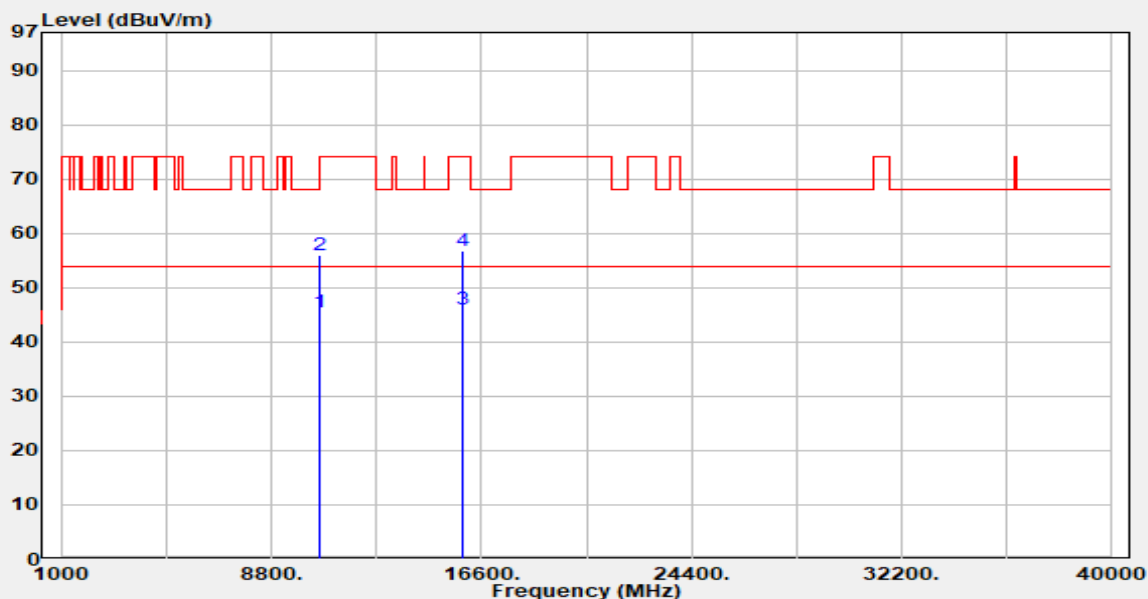
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5300 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.00     | Average                      | 25.45                             | 19.99        | 45.44                  | 54.00                  | -8.56        |
| 10600.00     | Peak                         | 35.99                             | 19.99        | 55.99                  | 74.00                  | -18.01       |
| 15900.00     | Average                      | 25.17                             | 20.90        | 46.07                  | 54.00                  | -7.93        |
| 15900.00     | Peak                         | 35.79                             | 20.90        | 56.69                  | 74.00                  | -17.31       |

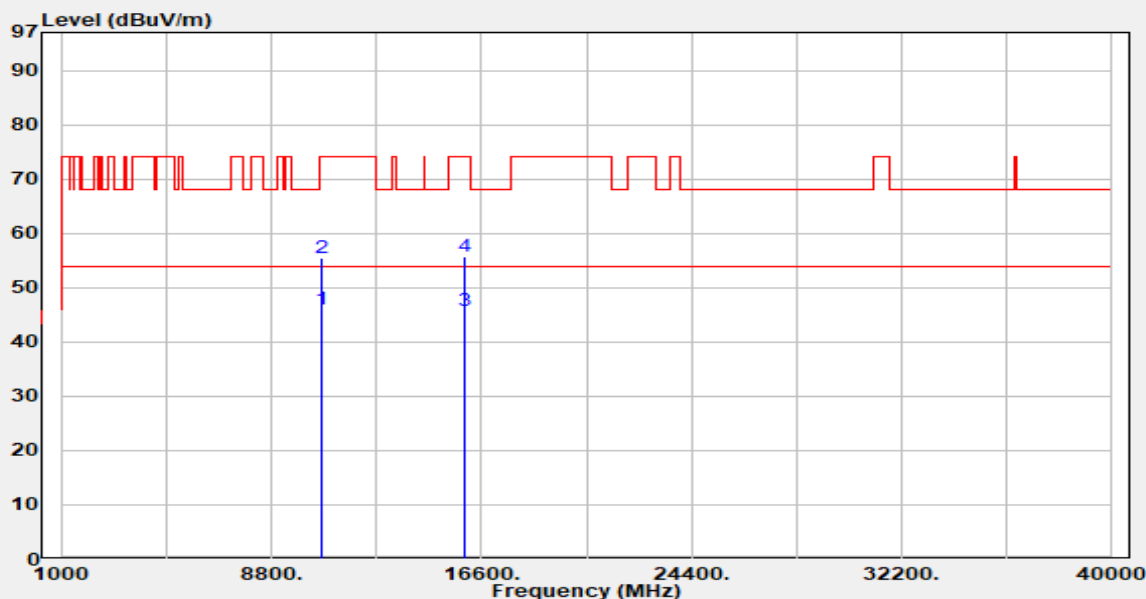
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5320 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.00     | Average                      | 25.75                             | 20.18        | 45.93                  | 54.00                  | -8.07        |
| 10640.00     | Peak                         | 35.36                             | 20.18        | 55.54                  | 74.00                  | -18.46       |
| 15960.00     | Average                      | 25.06                             | 20.66        | 45.72                  | 54.00                  | -8.28        |
| 15960.00     | Peak                         | 35.07                             | 20.66        | 55.72                  | 74.00                  | -18.28       |

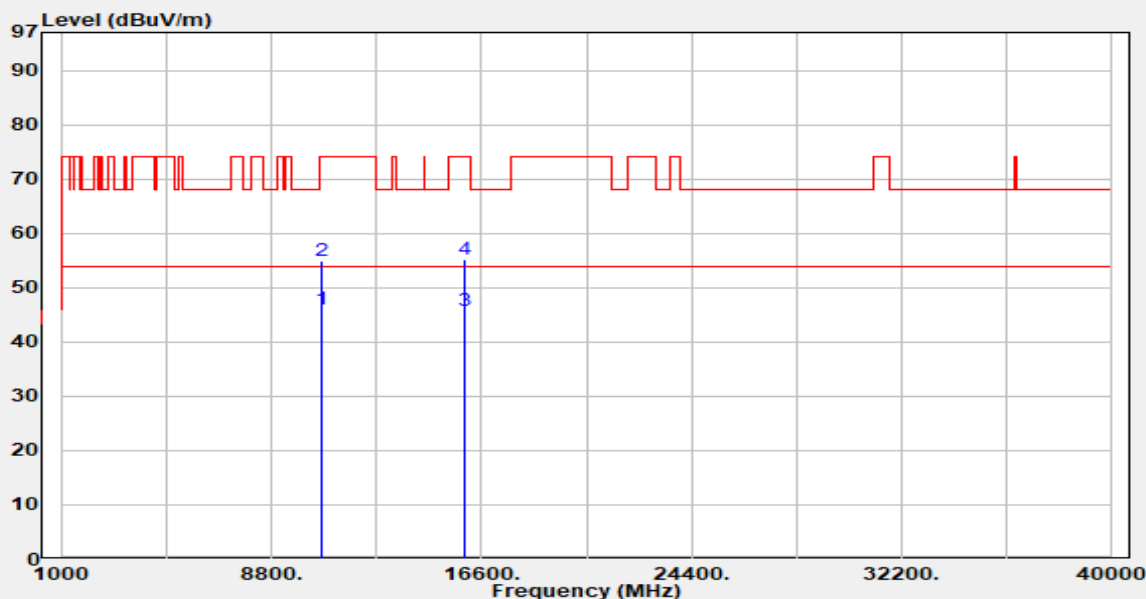
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5320 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.00     | Average                      | 25.77                             | 20.18        | 45.95                  | 54.00                  | -8.05        |
| 10640.00     | Peak                         | 34.67                             | 20.18        | 54.84                  | 74.00                  | -19.16       |
| 15960.00     | Average                      | 25.08                             | 20.66        | 45.74                  | 54.00                  | -8.26        |
| 15960.00     | Peak                         | 34.61                             | 20.66        | 55.27                  | 74.00                  | -18.73       |

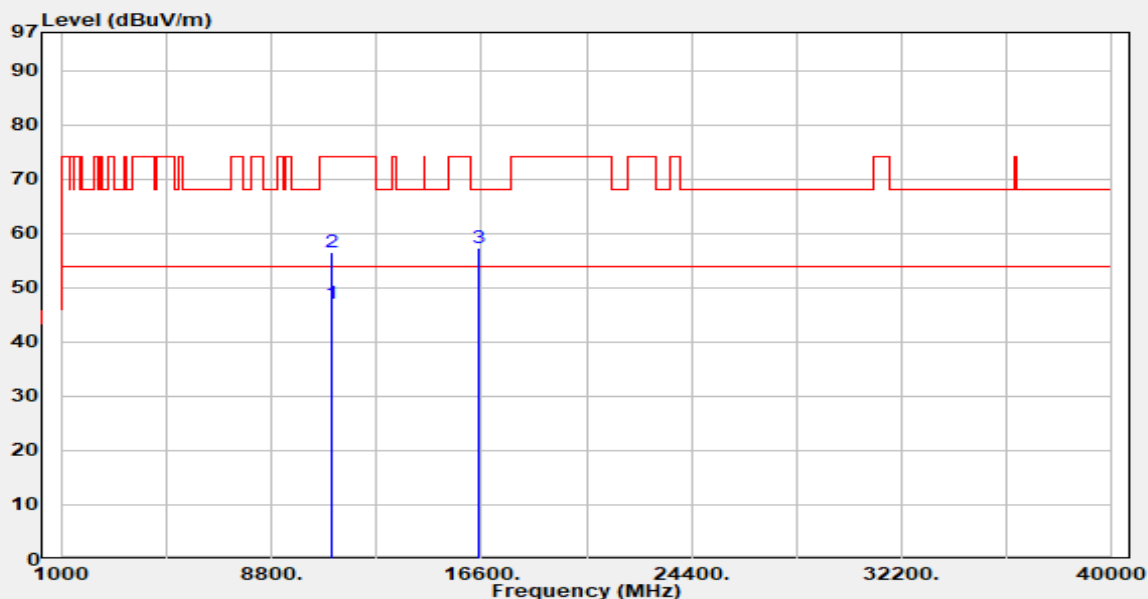
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5500 MHZ  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Average                      | 24.97                             | 22.17        | 47.14                  | 54.00                  | -6.86        |
| 11000.00     | Peak                         | 34.33                             | 22.17        | 56.50                  | 74.00                  | -17.50       |
| 16500.00     | Peak                         | 34.20                             | 23.07        | 57.27                  | 68.20                  | -10.93       |

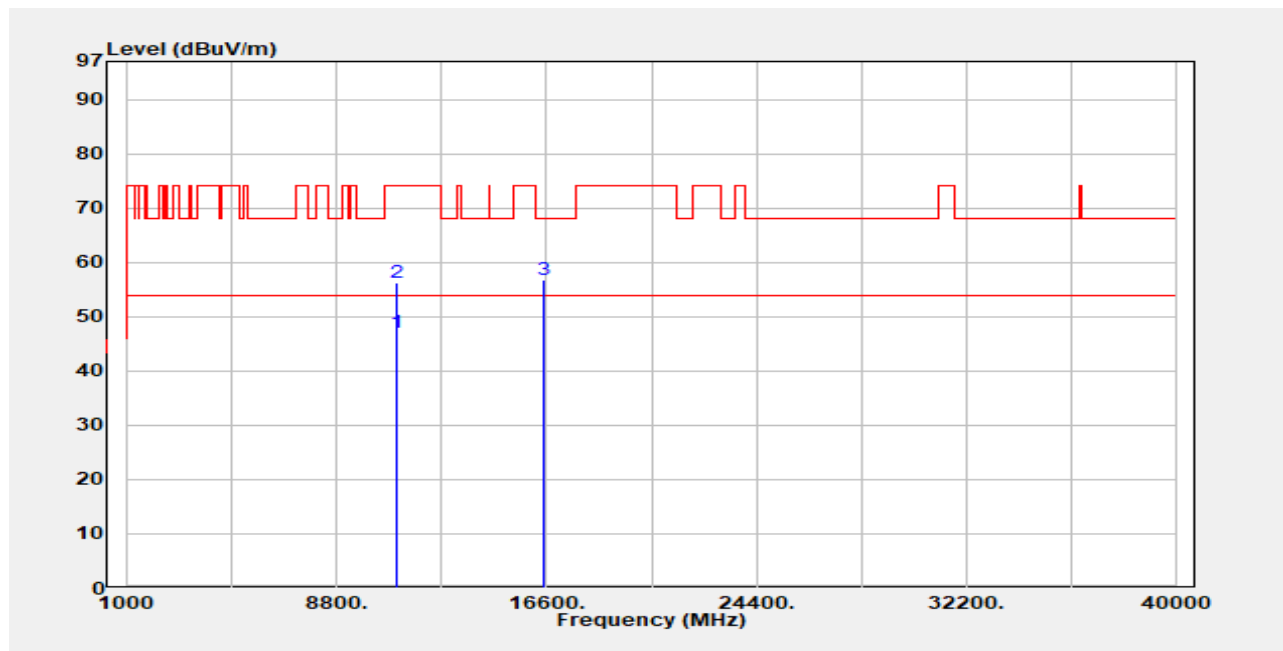
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5500 MHZ  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Average                      | 24.91                             | 22.17        | 47.08                  | 54.00                  | -6.92        |
| 11000.00     | Peak                         | 33.97                             | 22.17        | 56.14                  | 74.00                  | -17.86       |
| 16500.00     | Peak                         | 33.68                             | 23.07        | 56.75                  | 68.20                  | -11.45       |

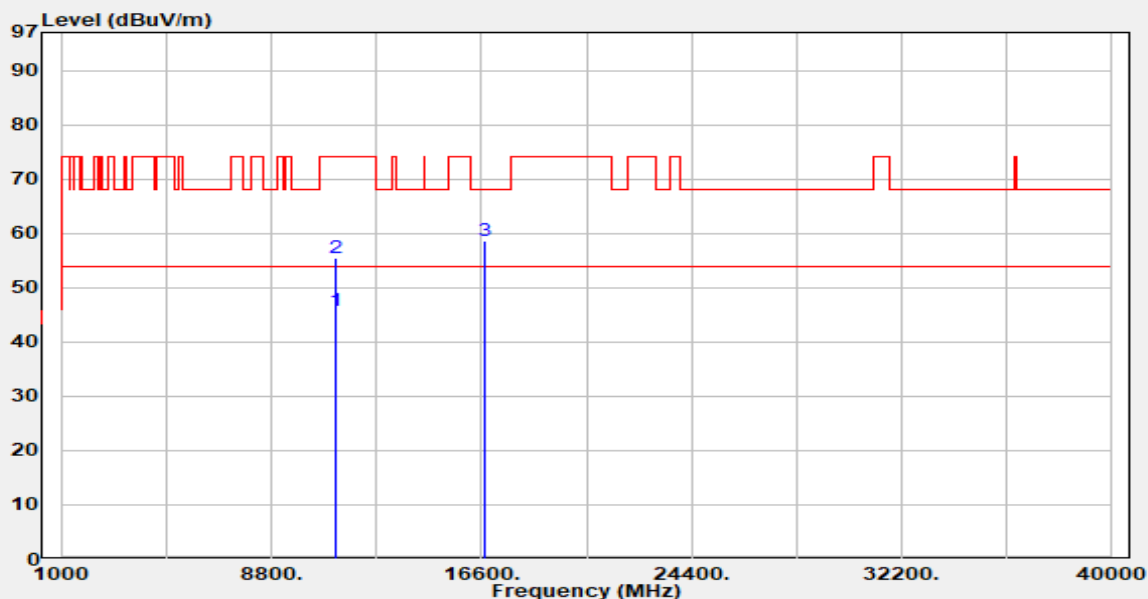
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5580 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Average                      | 24.79                             | 20.86        | 45.65                  | 54.00                  | -8.35        |
| 11160.00     | Peak                         | 34.59                             | 20.86        | 55.46                  | 74.00                  | -18.54       |
| 16740.00     | Peak                         | 33.78                             | 24.74        | 58.52                  | 68.20                  | -9.68        |

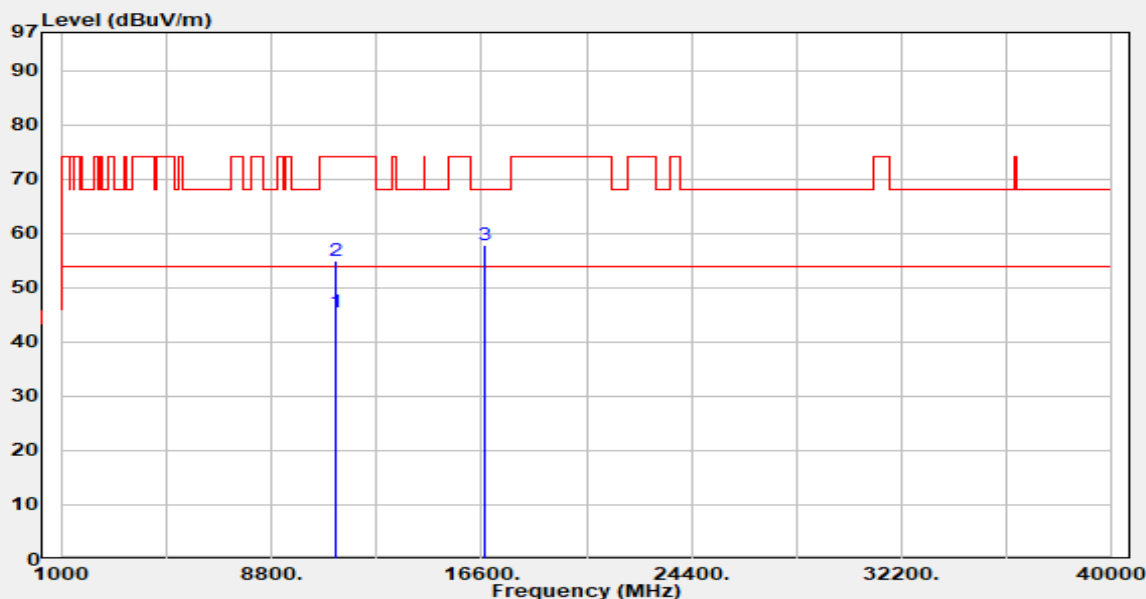
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5580 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Average                      | 24.72                             | 20.86        | 45.58                  | 54.00                  | -8.42        |
| 11160.00     | Peak                         | 34.11                             | 20.86        | 54.98                  | 74.00                  | -19.02       |
| 16740.00     | Peak                         | 33.13                             | 24.74        | 57.87                  | 68.20                  | -10.33       |

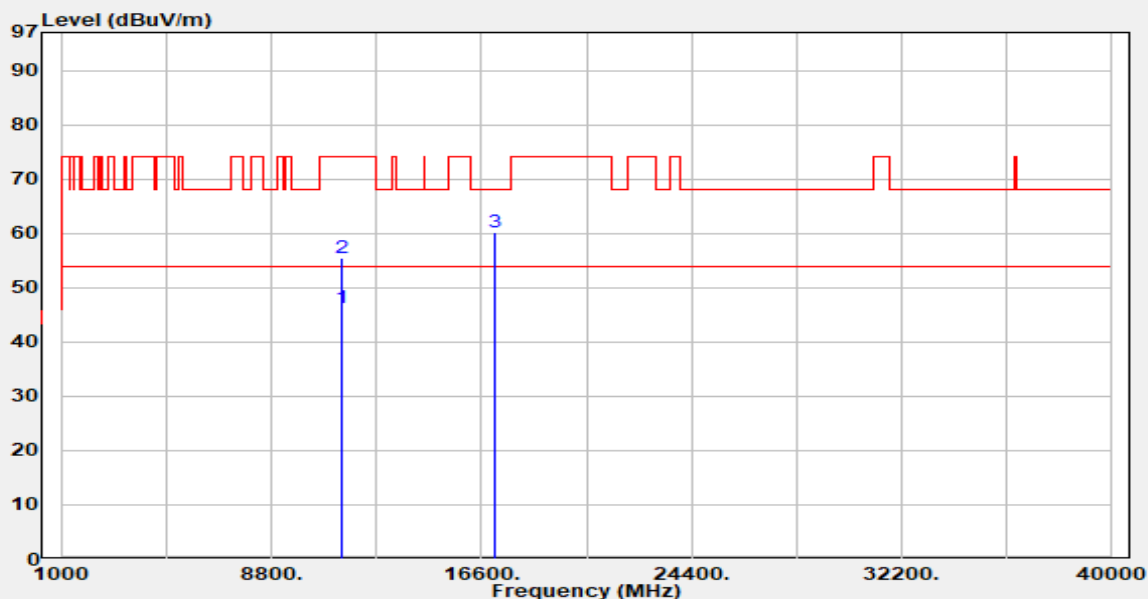
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5700 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.00     | Average                      | 24.64                             | 21.74        | 46.38                  | 54.00                  | -7.62        |
| 11400.00     | Peak                         | 33.84                             | 21.74        | 55.57                  | 74.00                  | -18.43       |
| 17100.00     | Peak                         | 33.87                             | 26.33        | 60.20                  | 68.20                  | -8.00        |

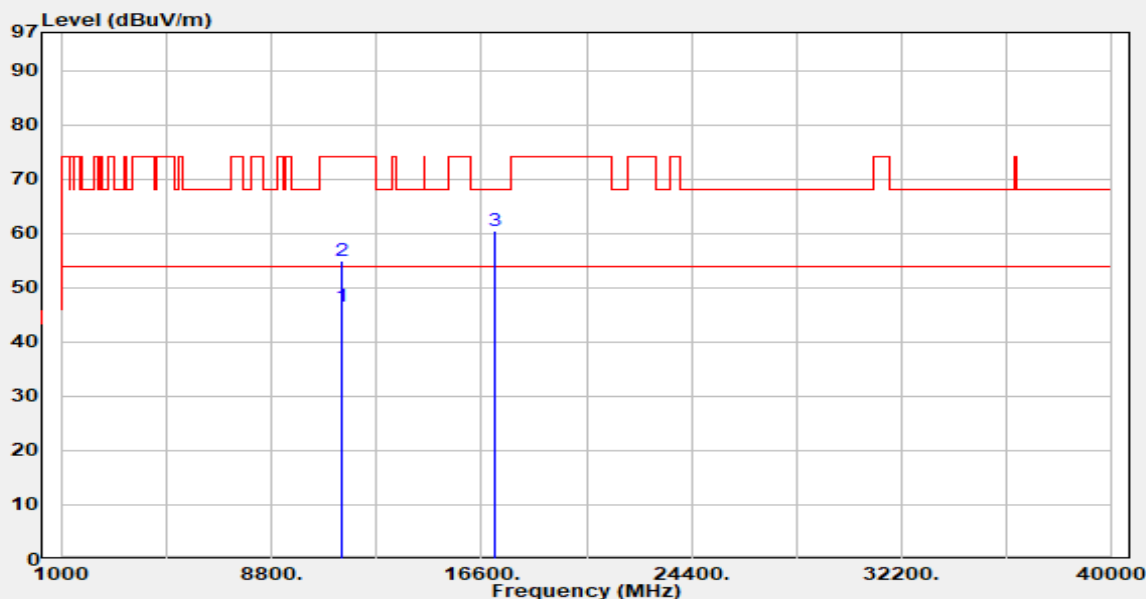
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5700 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.00     | Average                      | 24.73                             | 21.74        | 46.47                  | 54.00                  | -7.53        |
| 11400.00     | Peak                         | 33.28                             | 21.74        | 55.02                  | 74.00                  | -18.98       |
| 17100.00     | Peak                         | 34.09                             | 26.33        | 60.41                  | 68.20                  | -7.79        |

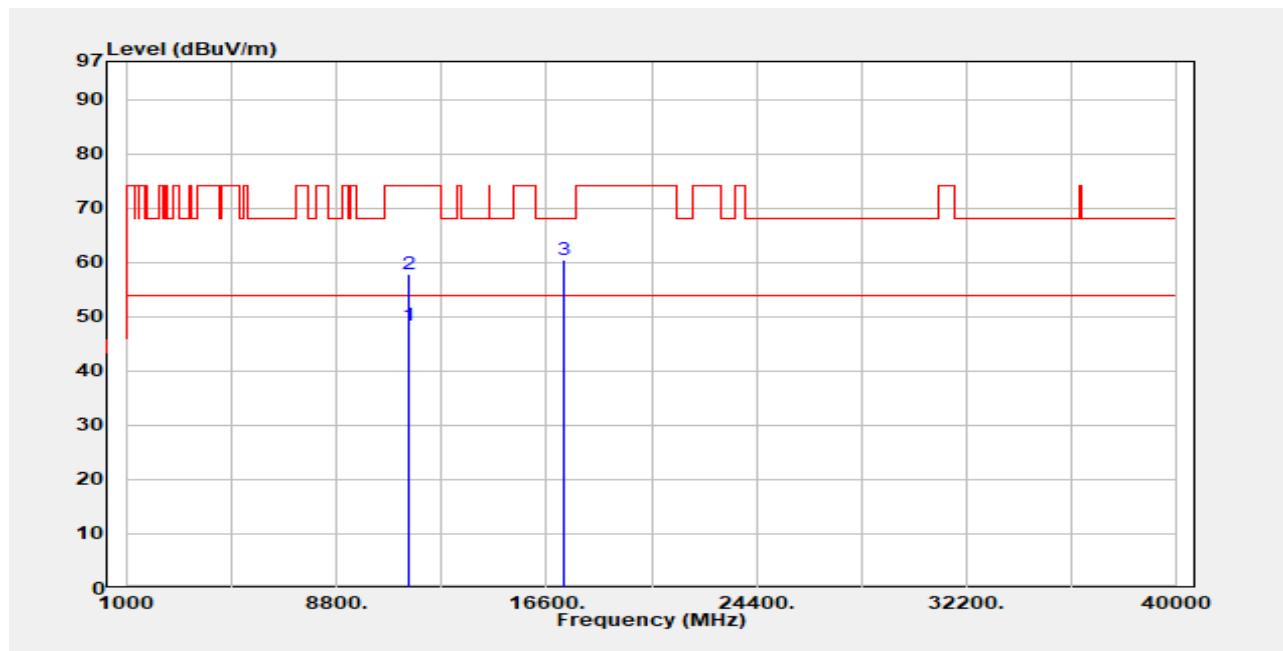
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5745 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Average                      | 24.80                             | 23.45        | 48.25                  | 54.00                  | -5.75        |
| 11490.00     | Peak                         | 34.43                             | 23.45        | 57.87                  | 74.00                  | -16.13       |
| 17235.00     | Peak                         | 34.80                             | 25.71        | 60.51                  | 68.20                  | -7.69        |

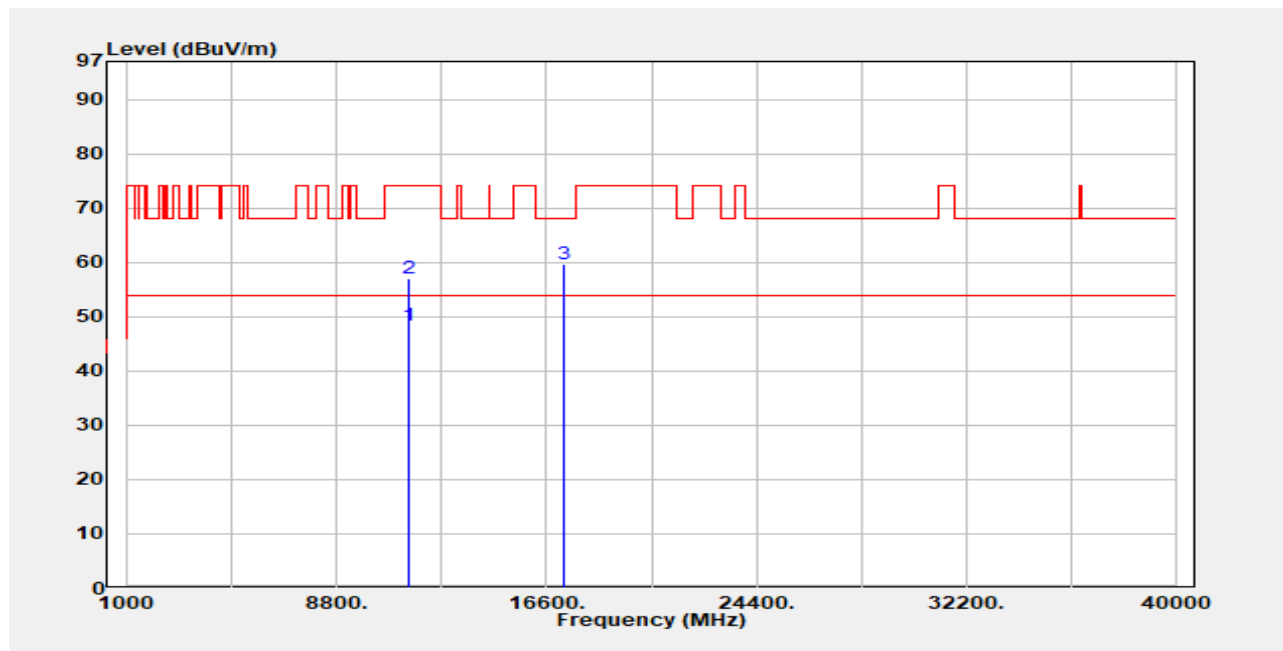
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5745 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Average                      | 24.89                             | 23.45        | 48.34                  | 54.00                  | -5.66        |
| 11490.00     | Peak                         | 33.68                             | 23.45        | 57.13                  | 74.00                  | -16.87       |
| 17235.00     | Peak                         | 34.04                             | 25.71        | 59.75                  | 68.20                  | -8.45        |

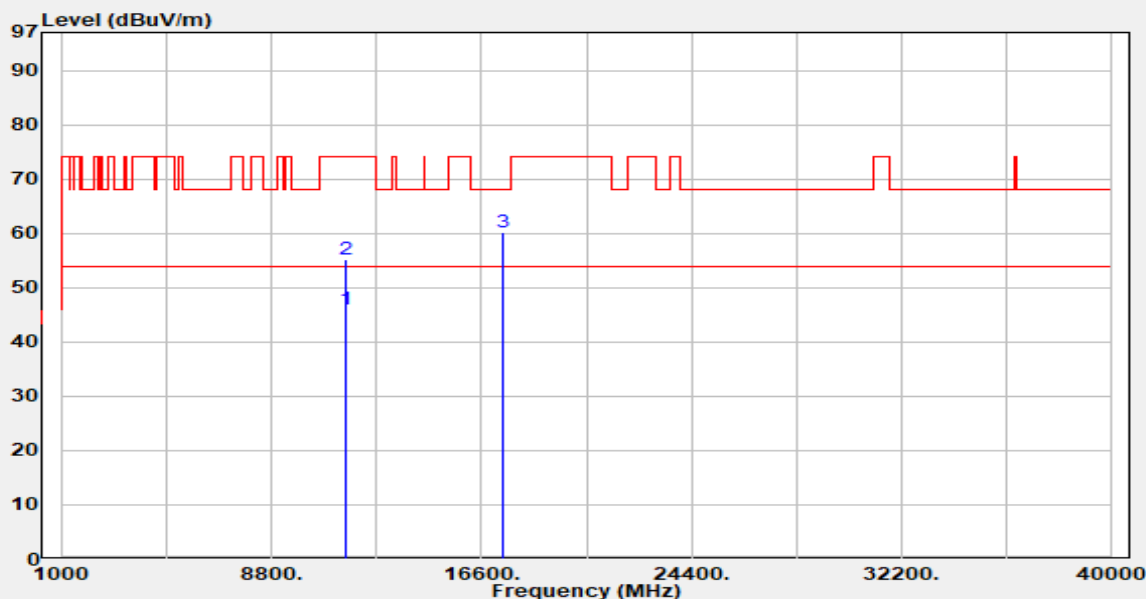
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5785 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.00     | Average                      | 24.63                             | 21.42        | 46.05                  | 54.00                  | -7.95        |
| 11570.00     | Peak                         | 33.74                             | 21.42        | 55.15                  | 74.00                  | -18.85       |
| 17355.00     | Peak                         | 33.45                             | 26.78        | 60.23                  | 68.20                  | -7.97        |

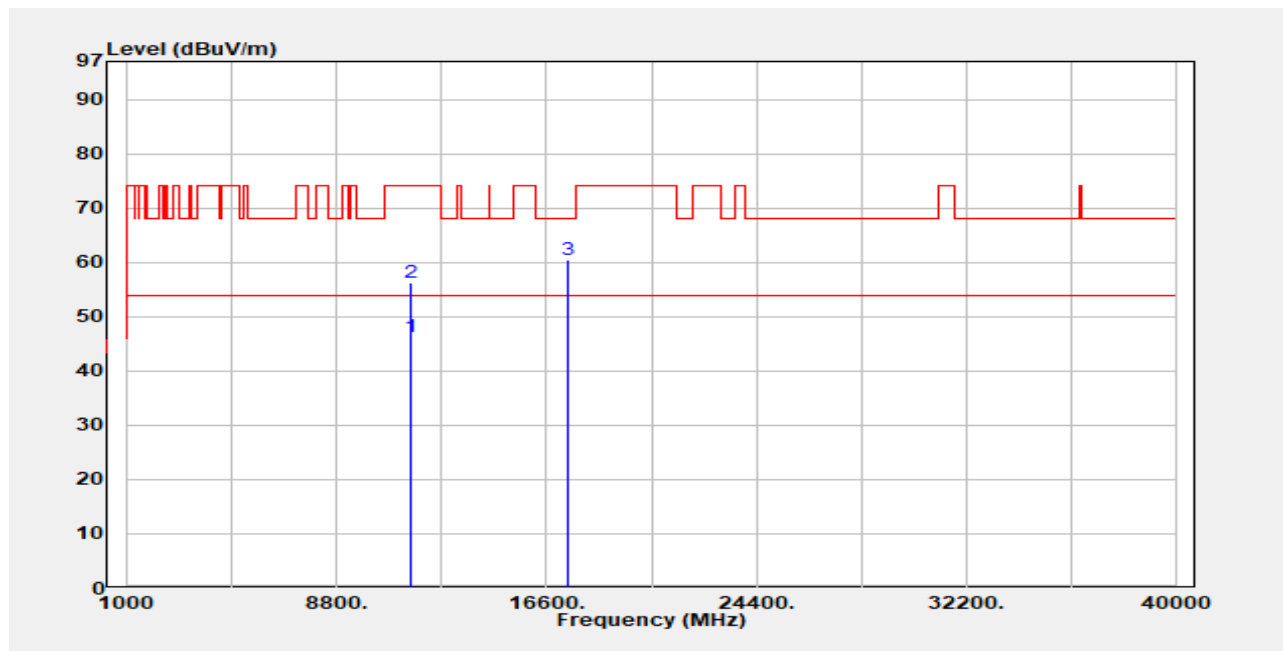
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5785 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.00     | Average                      | 24.74                             | 21.42        | 46.16                  | 54.00                  | -7.84        |
| 11570.00     | Peak                         | 34.92                             | 21.42        | 56.33                  | 74.00                  | -17.67       |
| 17355.00     | Peak                         | 33.56                             | 26.78        | 60.34                  | 68.20                  | -7.86        |

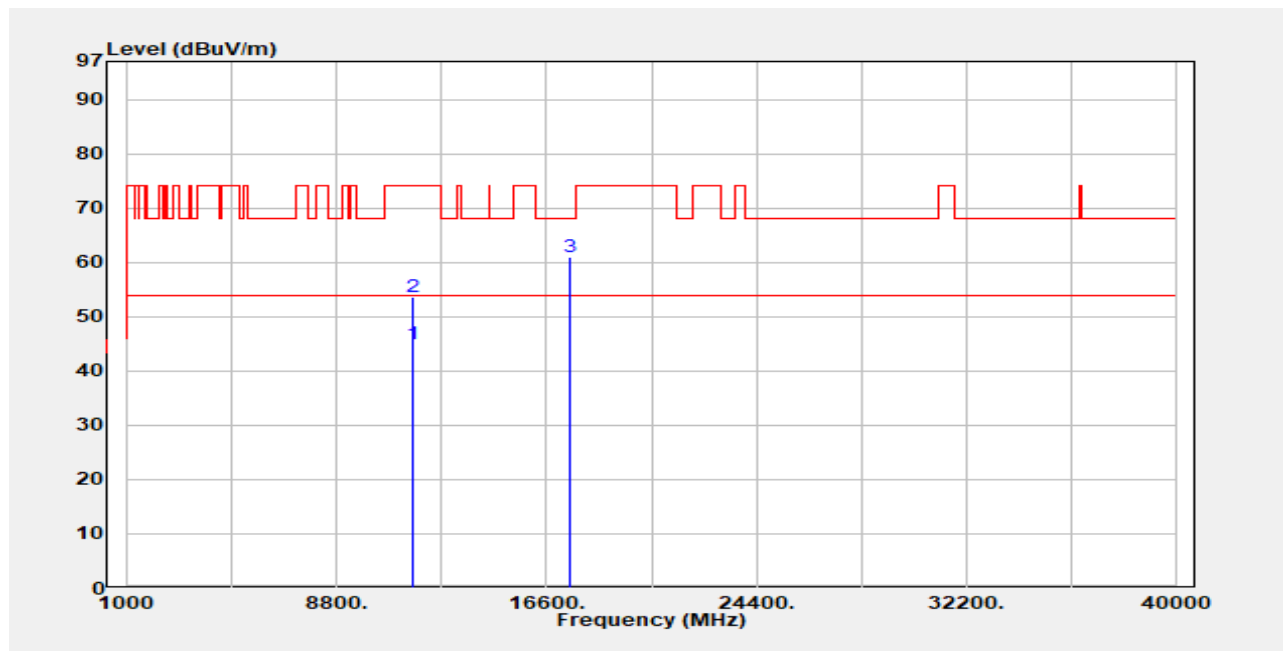
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5825 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.00     | Average                      | 24.36                             | 20.72        | 45.08                  | 54.00                  | -8.92        |
| 11650.00     | Peak                         | 32.98                             | 20.72        | 53.70                  | 74.00                  | -20.30       |
| 17475.00     | Peak                         | 33.23                             | 27.65        | 60.87                  | 68.20                  | -7.33        |

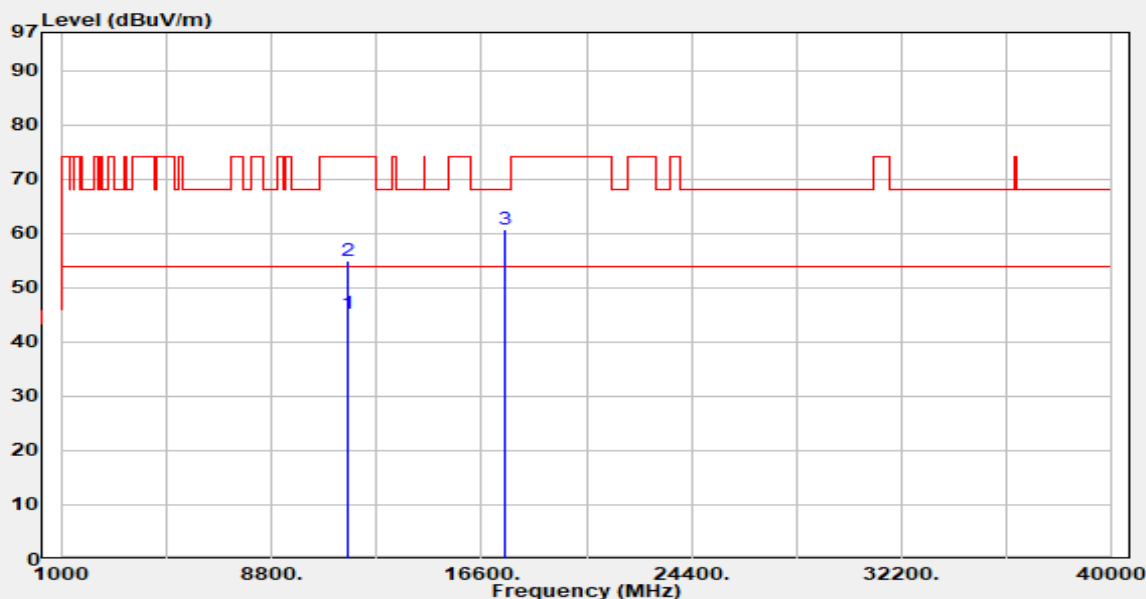
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5825 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.00     | Average                      | 24.38                             | 20.72        | 45.10                  | 54.00                  | -8.90        |
| 11650.00     | Peak                         | 34.24                             | 20.72        | 54.96                  | 74.00                  | -19.04       |
| 17475.00     | Peak                         | 33.14                             | 27.65        | 60.79                  | 68.20                  | -7.41        |

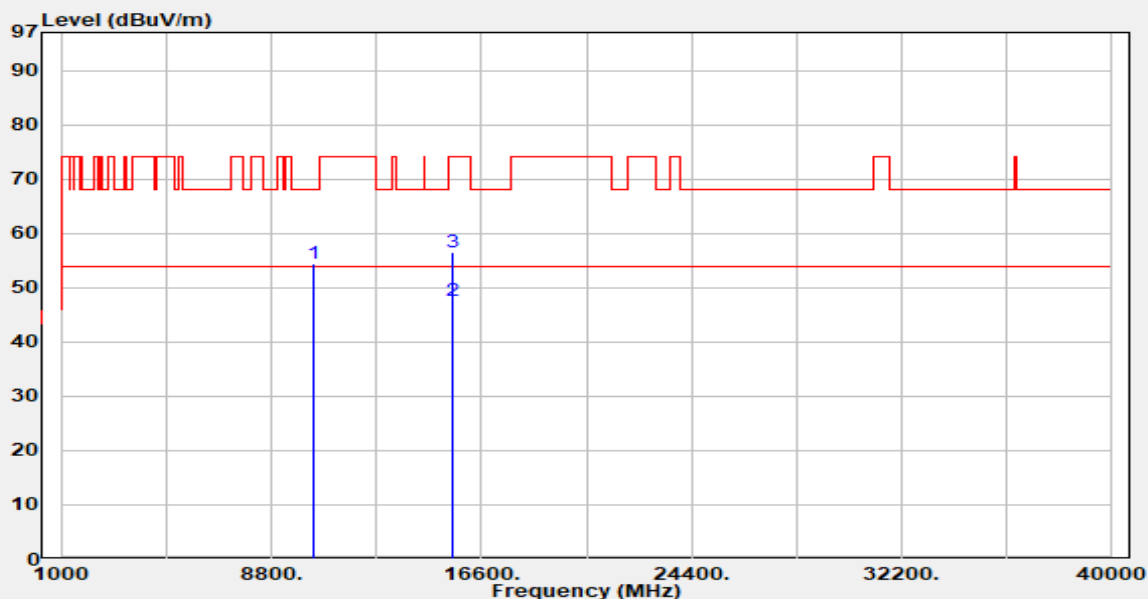
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5180 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 35.12                             | 19.42        | 54.53                  | 68.20                  | -13.67       |
| 15540.00     | Average                      | 25.14                             | 22.50        | 47.64                  | 54.00                  | -6.36        |
| 15540.00     | Peak                         | 34.00                             | 22.50        | 56.50                  | 74.00                  | -17.50       |

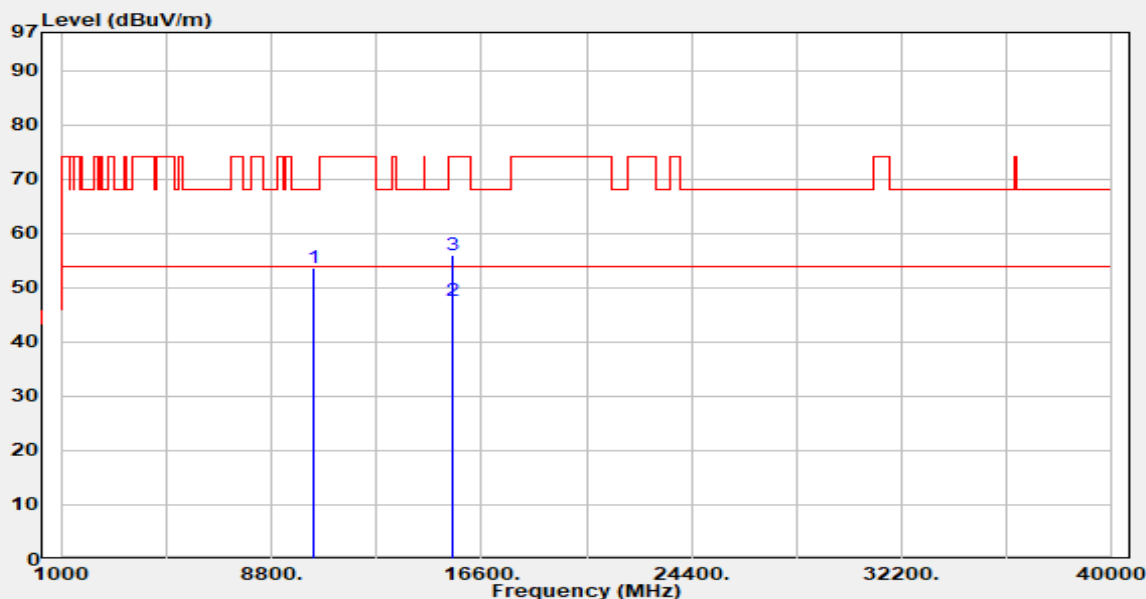
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5180 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 34.31                             | 19.42        | 53.73                  | 68.20                  | -14.47       |
| 15540.00     | Average                      | 25.10                             | 22.50        | 47.60                  | 54.00                  | -6.40        |
| 15540.00     | Peak                         | 33.56                             | 22.50        | 56.06                  | 74.00                  | -17.94       |

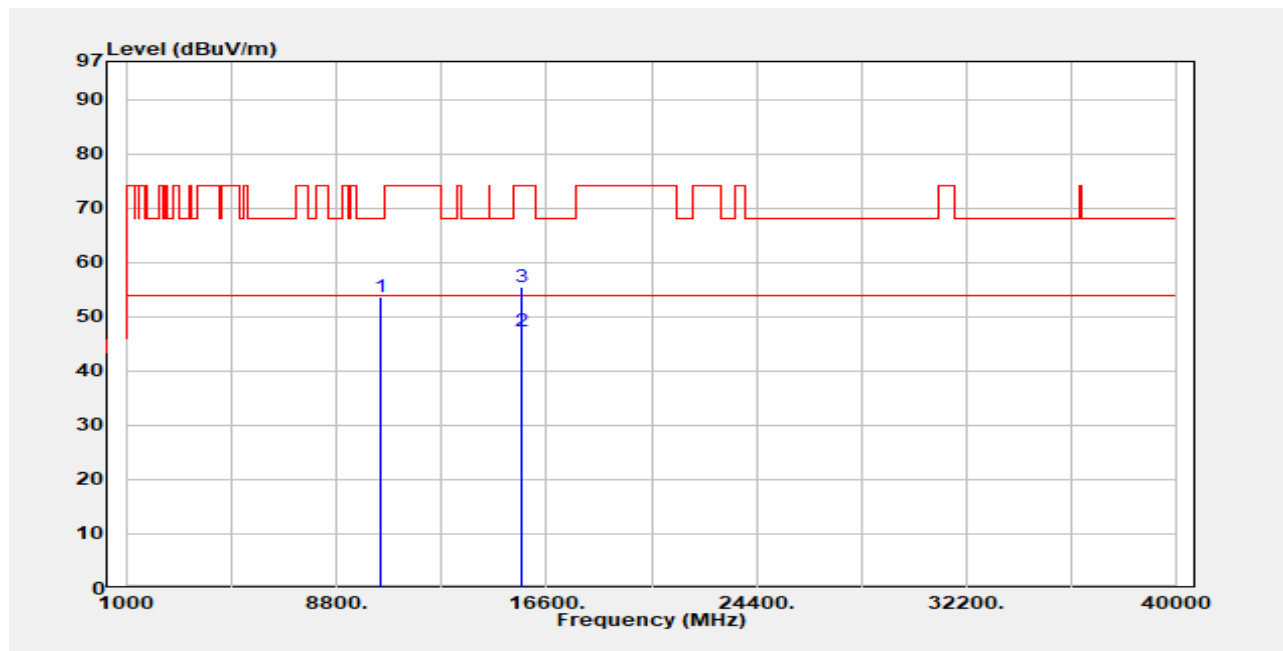
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5220 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.00     | Peak                         | 34.47                             | 19.25        | 53.72                  | 68.20                  | -14.48       |
| 15660.00     | Average                      | 25.38                             | 21.82        | 47.20                  | 54.00                  | -6.80        |
| 15660.00     | Peak                         | 33.54                             | 21.82        | 55.36                  | 74.00                  | -18.64       |

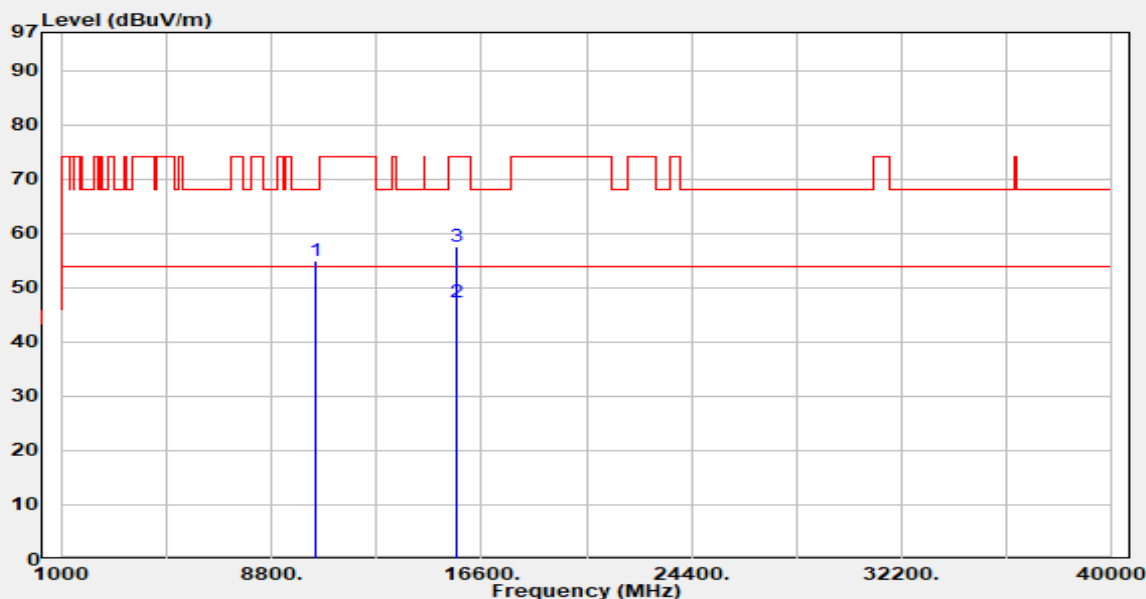
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5220 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.00     | Peak                         | 35.69                             | 19.25        | 54.94                  | 68.20                  | -13.26       |
| 15660.00     | Average                      | 25.46                             | 21.82        | 47.28                  | 54.00                  | -6.72        |
| 15660.00     | Peak                         | 35.80                             | 21.82        | 57.62                  | 74.00                  | -16.38       |

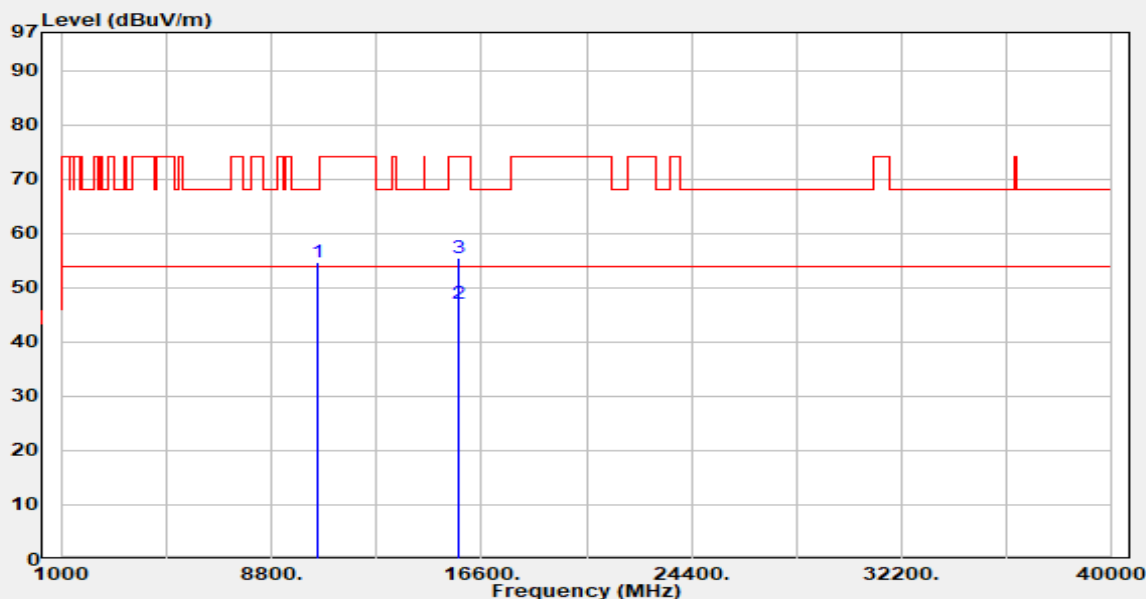
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5240 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.00     | Peak                         | 34.72                             | 20.01        | 54.72                  | 68.20                  | -13.48       |
| 15720.00     | Average                      | 25.52                             | 21.53        | 47.05                  | 54.00                  | -6.95        |
| 15720.00     | Peak                         | 34.05                             | 21.53        | 55.57                  | 74.00                  | -18.43       |

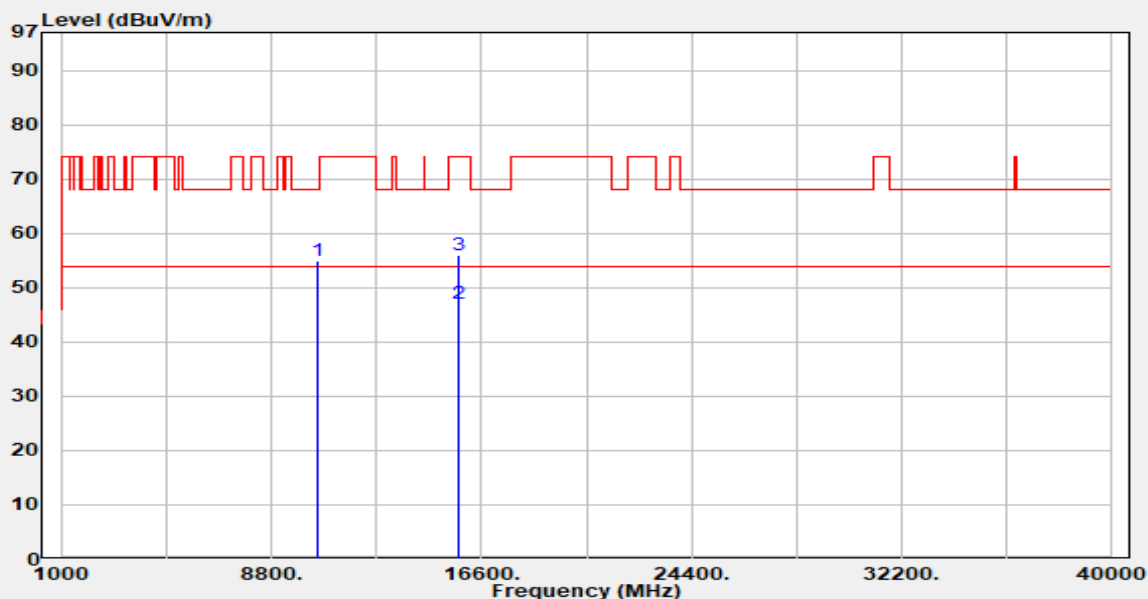
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5240 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.00     | Peak                         | 34.86                             | 20.01        | 54.86                  | 68.20                  | -13.34       |
| 15720.00     | Average                      | 25.61                             | 21.53        | 47.14                  | 54.00                  | -6.86        |
| 15720.00     | Peak                         | 34.40                             | 21.53        | 55.93                  | 74.00                  | -18.07       |

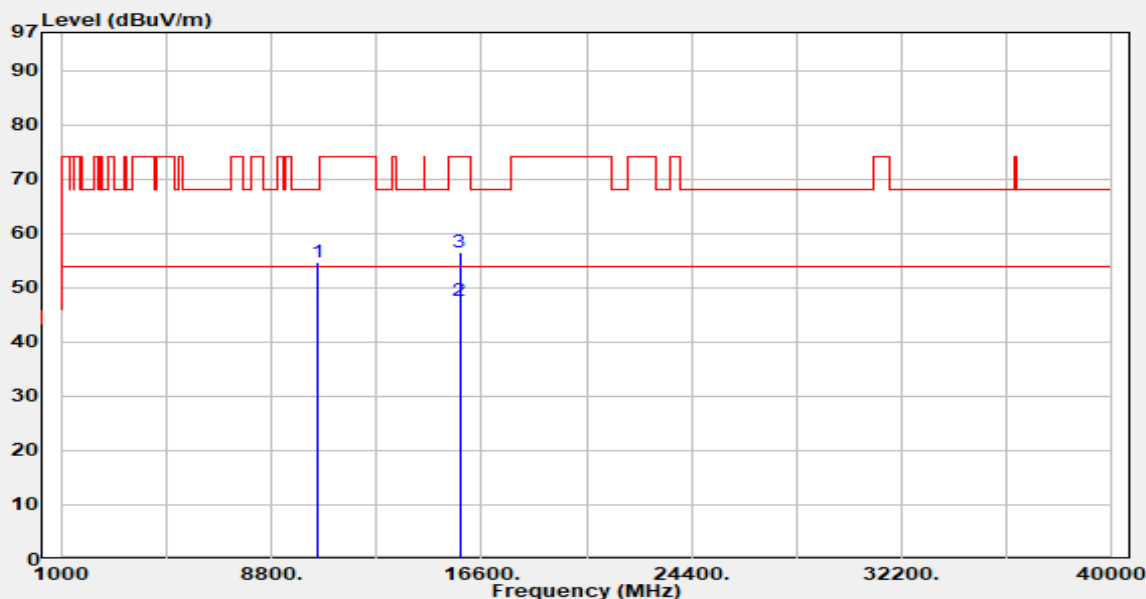
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5260 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 34.76                             | 19.92        | 54.67                  | 68.20                  | -13.53       |
| 15780.00     | Average                      | 25.71                             | 21.74        | 47.45                  | 54.00                  | -6.55        |
| 15780.00     | Peak                         | 34.75                             | 21.74        | 56.49                  | 74.00                  | -17.51       |

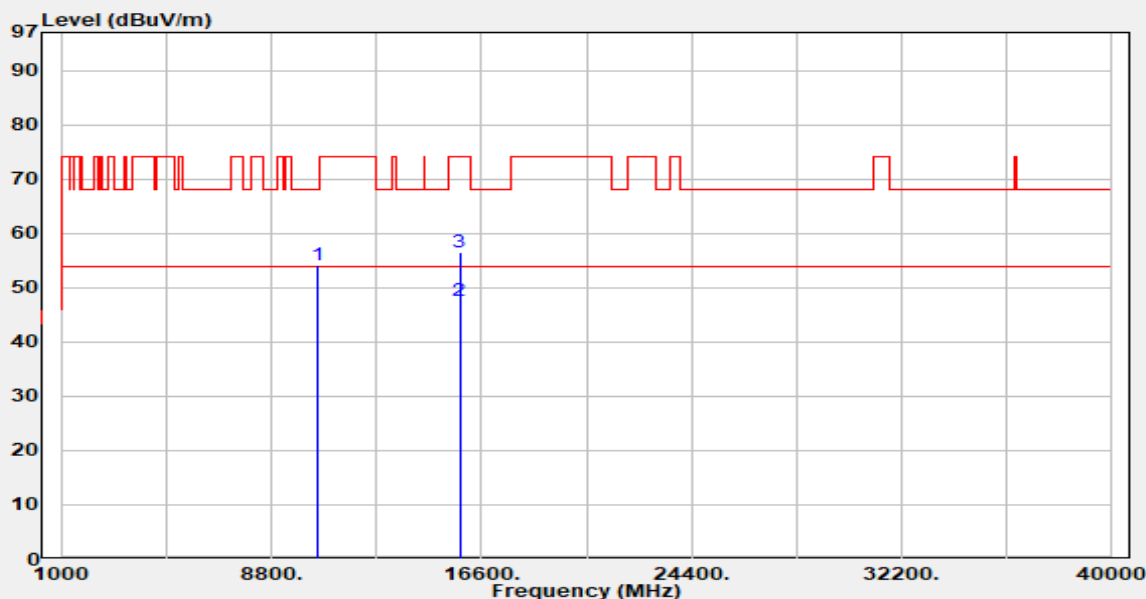
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5260 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 34.13                             | 19.92        | 54.05                  | 68.20                  | -14.15       |
| 15780.00     | Average                      | 25.85                             | 21.74        | 47.59                  | 54.00                  | -6.41        |
| 15780.00     | Peak                         | 34.82                             | 21.74        | 56.57                  | 74.00                  | -17.43       |

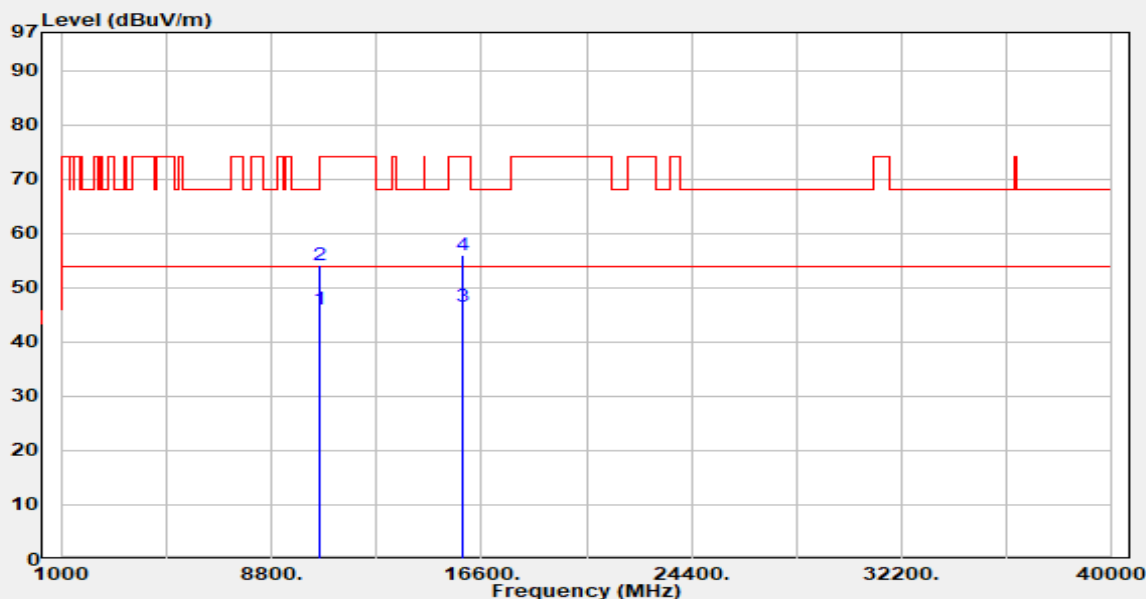
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5300 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.00     | Average                      | 25.94                             | 19.99        | 45.93                  | 54.00                  | -8.07        |
| 10600.00     | Peak                         | 34.28                             | 19.99        | 54.28                  | 74.00                  | -19.72       |
| 15900.00     | Average                      | 25.61                             | 20.90        | 46.51                  | 54.00                  | -7.49        |
| 15900.00     | Peak                         | 34.98                             | 20.90        | 55.88                  | 74.00                  | -18.12       |

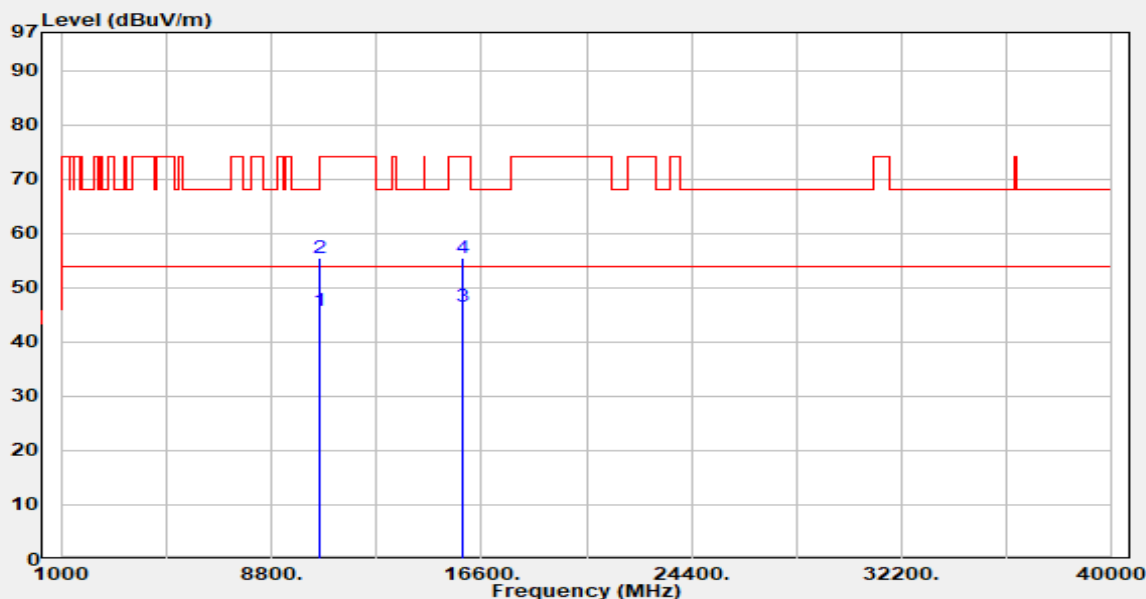
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5300 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.00     | Average                      | 25.85                             | 19.99        | 45.84                  | 54.00                  | -8.16        |
| 10600.00     | Peak                         | 35.45                             | 19.99        | 55.45                  | 74.00                  | -18.55       |
| 15900.00     | Average                      | 25.75                             | 20.90        | 46.65                  | 54.00                  | -7.35        |
| 15900.00     | Peak                         | 34.44                             | 20.90        | 55.34                  | 74.00                  | -18.66       |

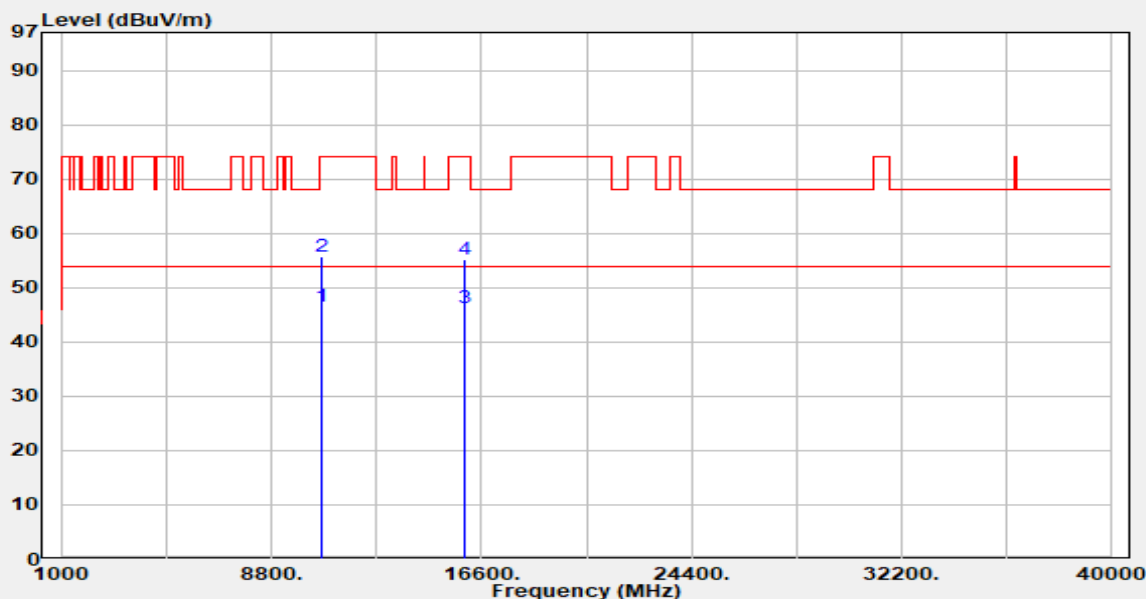
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5320 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.00     | Average                      | 26.25                             | 20.18        | 46.43                  | 54.00                  | -7.57        |
| 10640.00     | Peak                         | 35.53                             | 20.18        | 55.71                  | 74.00                  | -18.29       |
| 15960.00     | Average                      | 25.55                             | 20.66        | 46.21                  | 54.00                  | -7.79        |
| 15960.00     | Peak                         | 34.66                             | 20.66        | 55.31                  | 74.00                  | -18.69       |

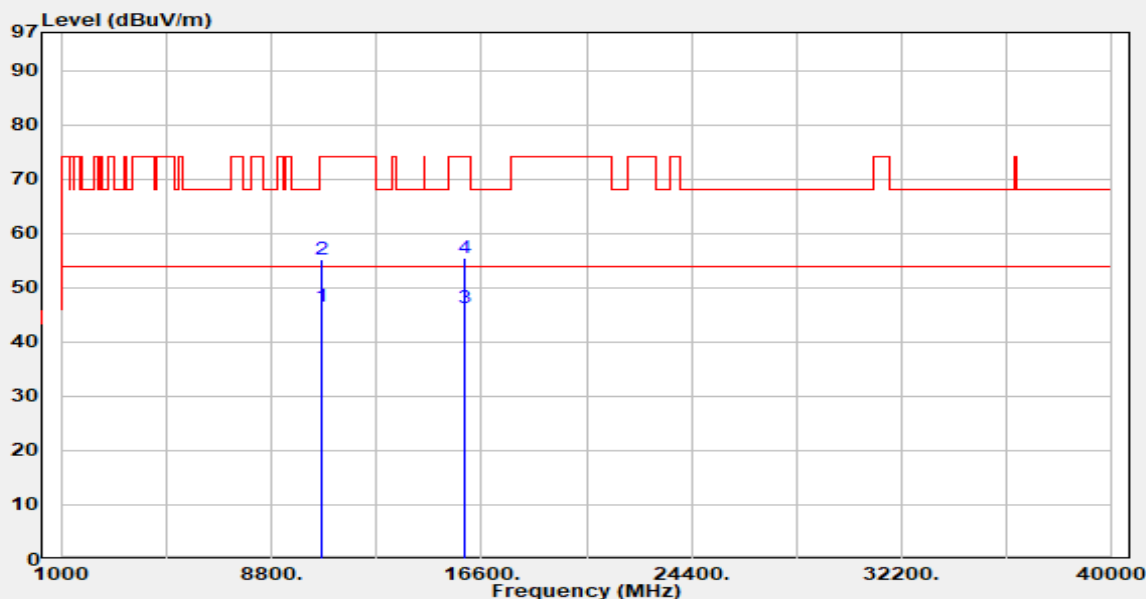
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5320 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.00     | Average                      | 26.27                             | 20.18        | 46.45                  | 54.00                  | -7.55        |
| 10640.00     | Peak                         | 35.04                             | 20.18        | 55.21                  | 74.00                  | -18.79       |
| 15960.00     | Average                      | 25.52                             | 20.66        | 46.18                  | 54.00                  | -7.82        |
| 15960.00     | Peak                         | 34.82                             | 20.66        | 55.47                  | 74.00                  | -18.53       |

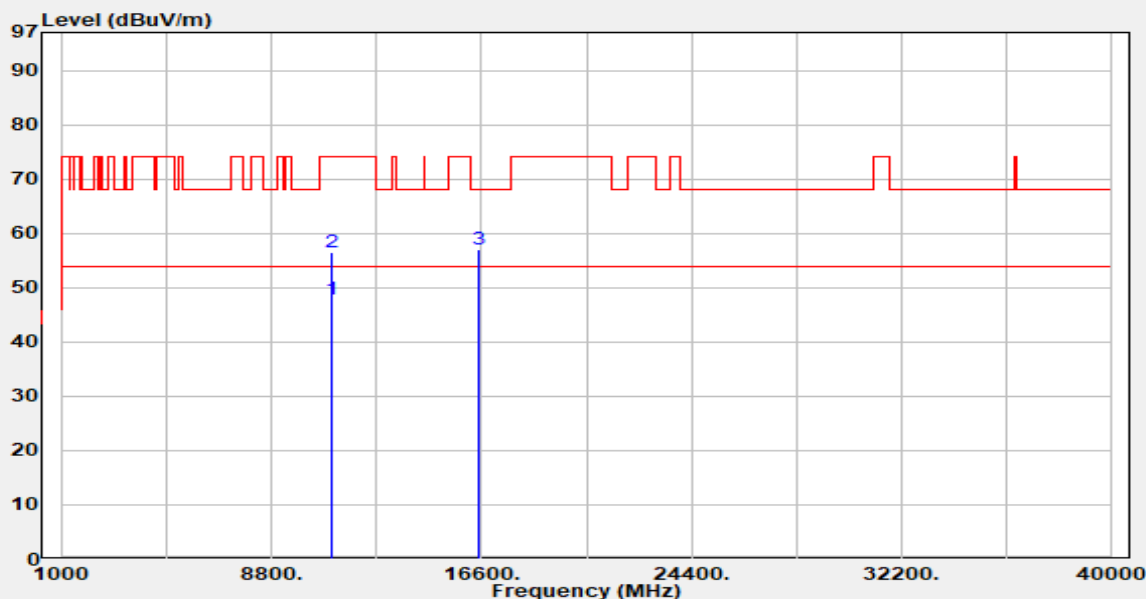
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5500 MHZ  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Average                      | 25.38                             | 22.38        | 47.76                  | 54.00                  | -6.24        |
| 11000.00     | Peak                         | 34.04                             | 22.38        | 56.42                  | 74.00                  | -17.58       |
| 16500.00     | Peak                         | 33.72                             | 23.30        | 57.02                  | 68.20                  | -11.18       |

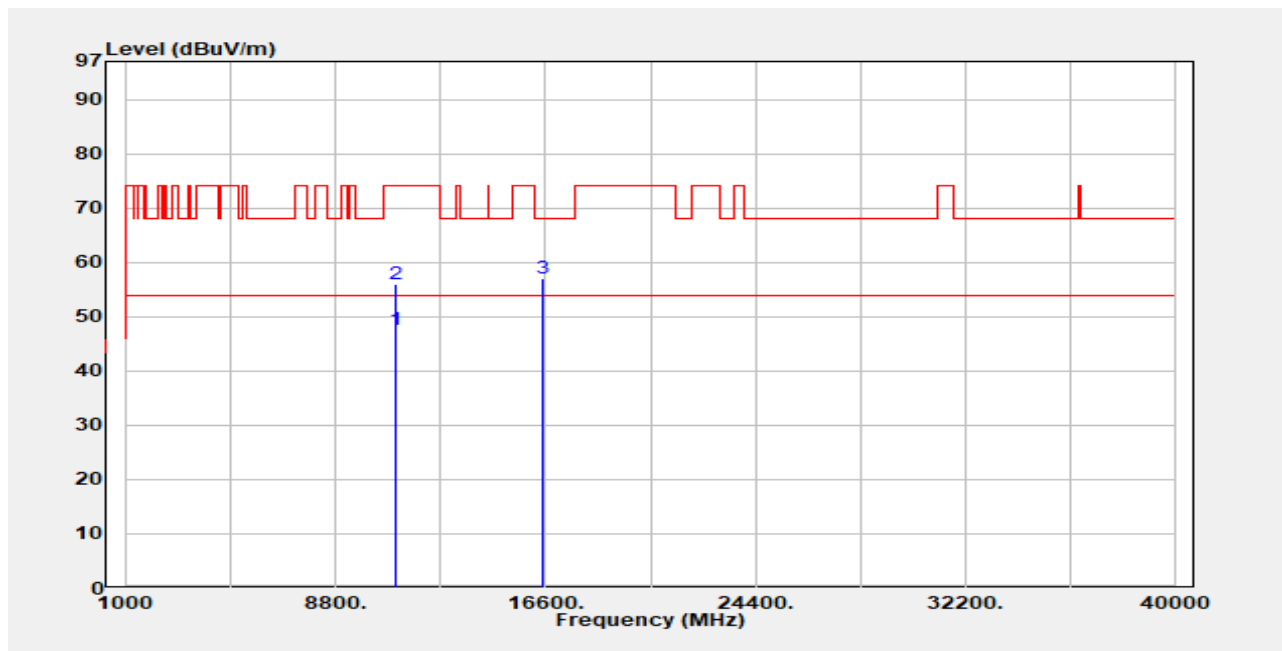
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5500 MHZ  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Average                      | 25.26                             | 22.38        | 47.64                  | 54.00                  | -6.36        |
| 11000.00     | Peak                         | 33.54                             | 22.38        | 55.92                  | 74.00                  | -18.08       |
| 16500.00     | Peak                         | 33.76                             | 23.30        | 57.06                  | 68.20                  | -11.14       |

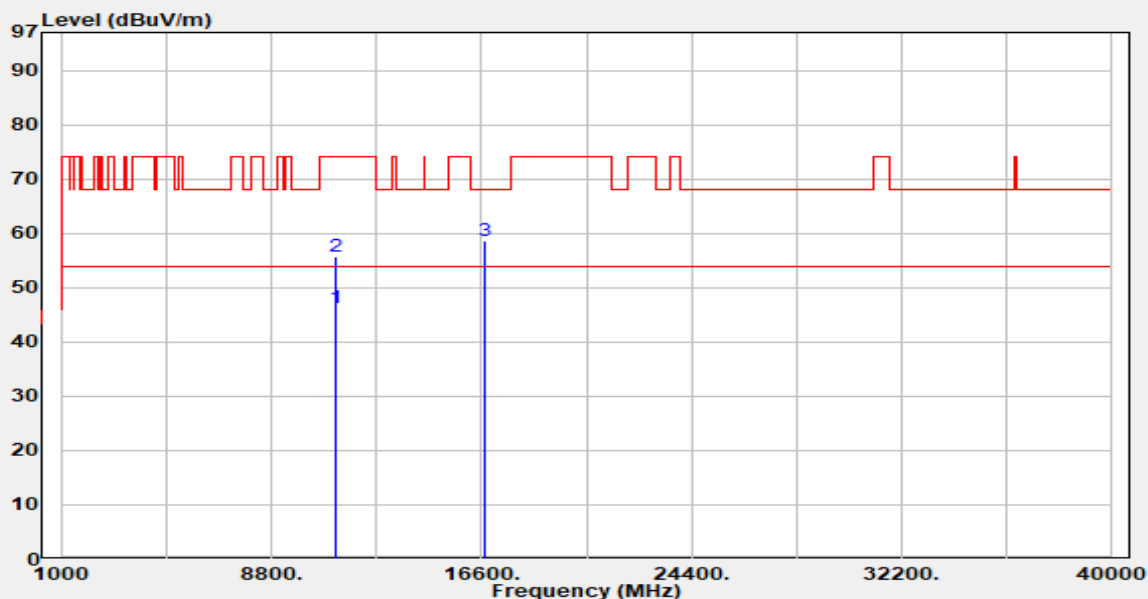
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5580 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Average                      | 25.18                             | 21.10        | 46.28                  | 54.00                  | -7.72        |
| 11160.00     | Peak                         | 34.62                             | 21.10        | 55.72                  | 74.00                  | -18.28       |
| 16740.00     | Peak                         | 33.80                             | 24.94        | 58.74                  | 68.20                  | -9.46        |

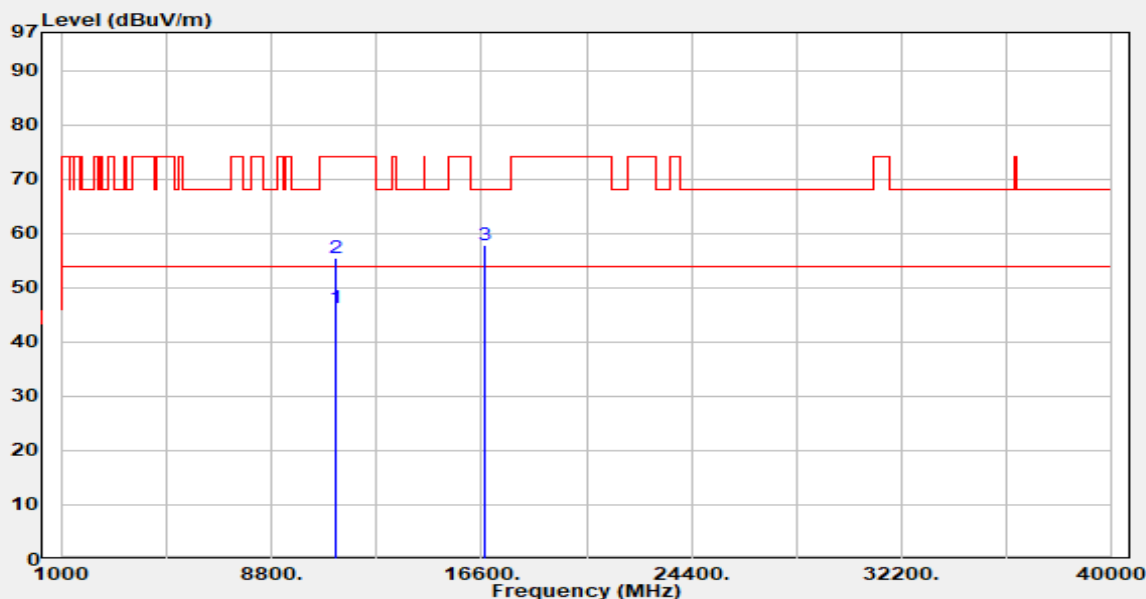
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5580 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Average                      | 25.27                             | 21.10        | 46.37                  | 54.00                  | -7.63        |
| 11160.00     | Peak                         | 34.32                             | 21.10        | 55.42                  | 74.00                  | -18.58       |
| 16740.00     | Peak                         | 33.02                             | 24.94        | 57.96                  | 68.20                  | -10.24       |

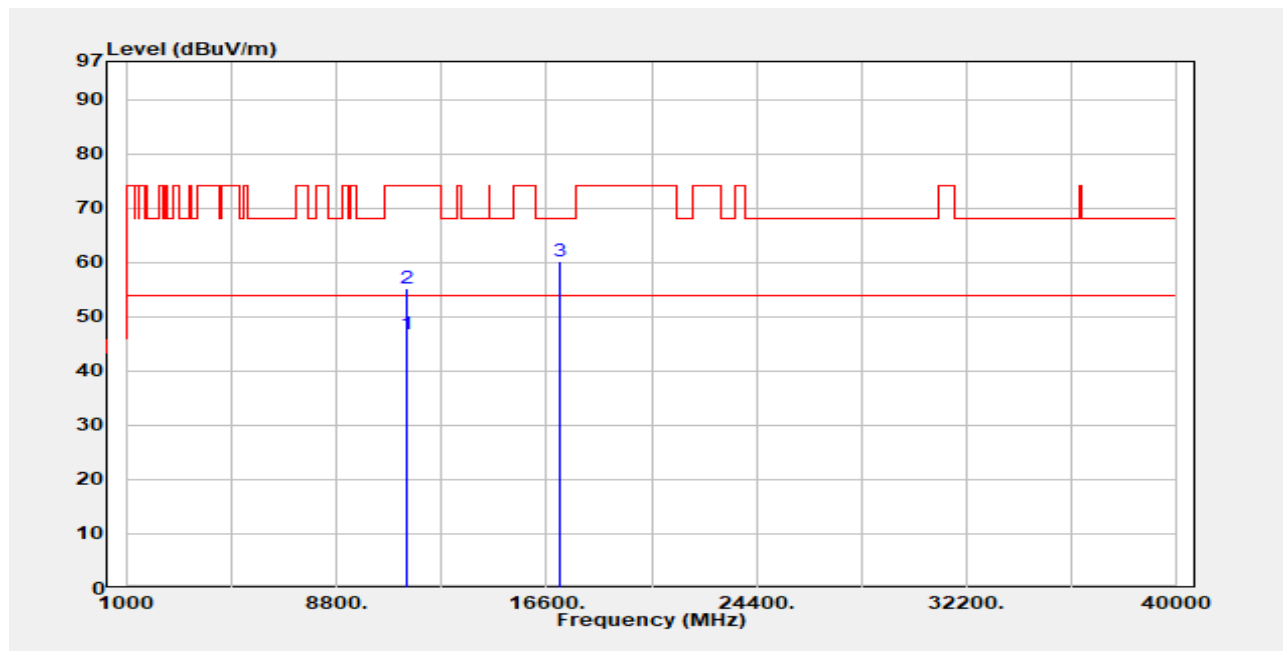
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5700 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.00     | Average                      | 25.01                             | 21.90        | 46.91                  | 54.00                  | -7.09        |
| 11400.00     | Peak                         | 33.31                             | 21.90        | 55.20                  | 74.00                  | -18.80       |
| 17100.00     | Peak                         | 33.74                             | 26.50        | 60.24                  | 68.20                  | -7.96        |

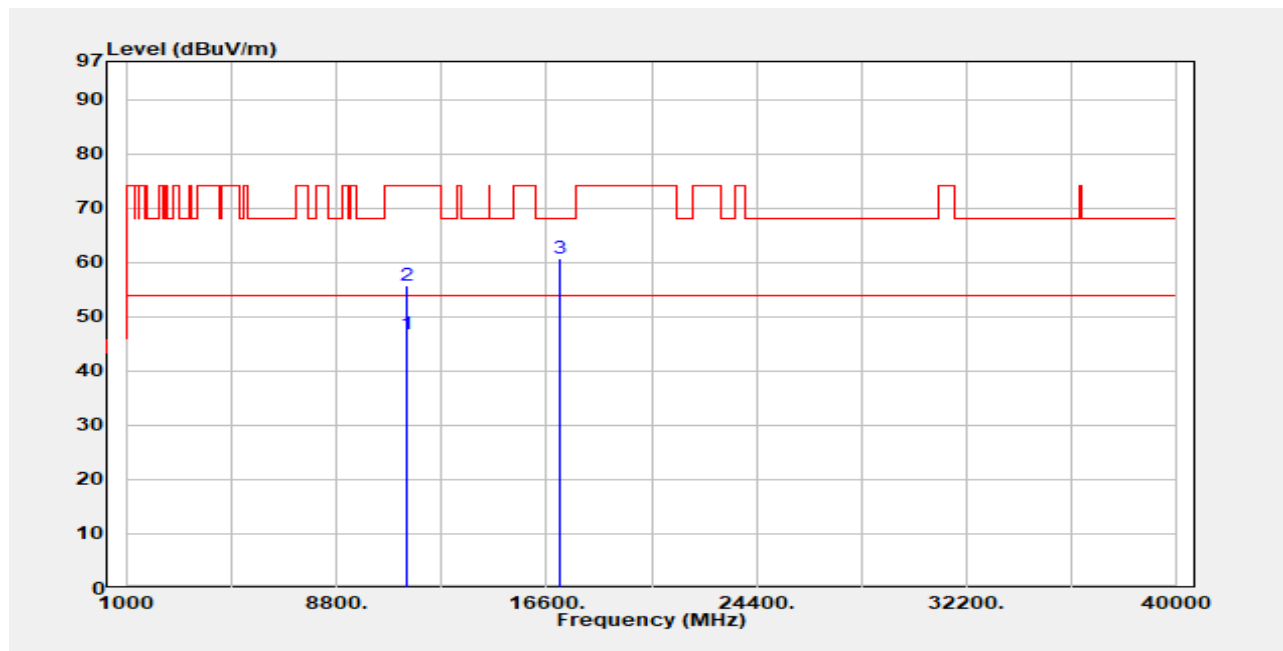
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5700 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.00     | Average                      | 24.99                             | 21.90        | 46.89                  | 54.00                  | -7.11        |
| 11400.00     | Peak                         | 33.86                             | 21.90        | 55.76                  | 74.00                  | -18.24       |
| 17100.00     | Peak                         | 34.15                             | 26.50        | 60.66                  | 68.20                  | -7.54        |

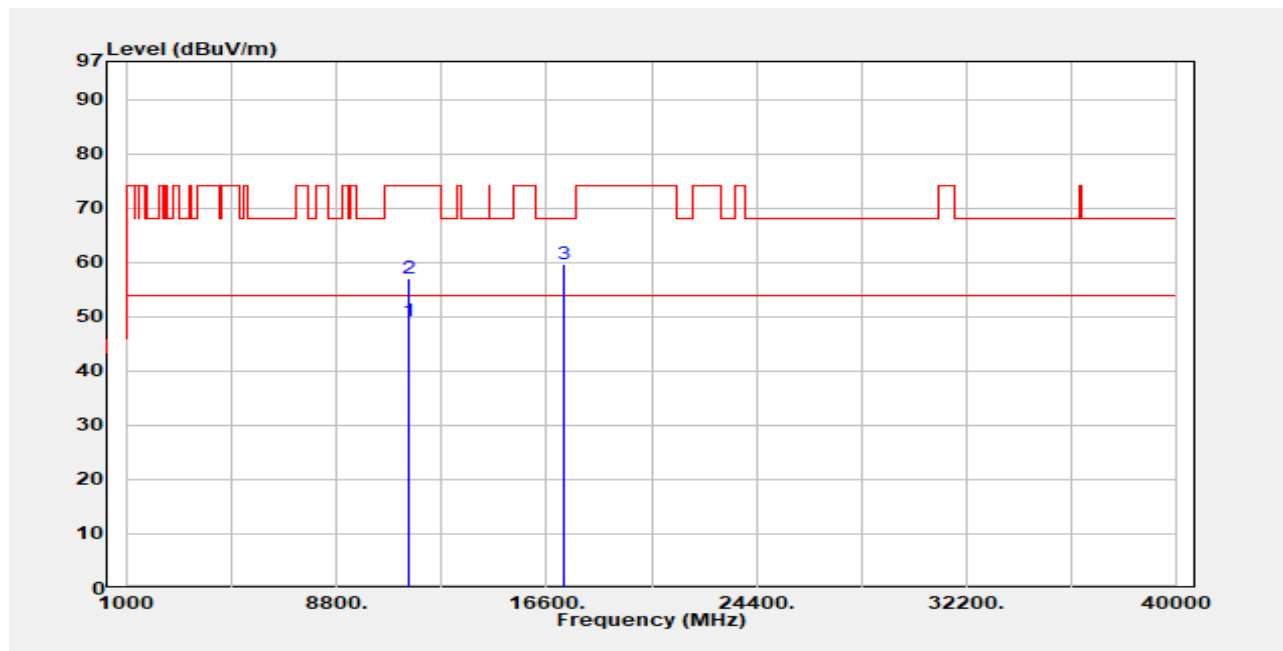
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5745 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Average                      | 25.36                             | 23.69        | 49.05                  | 54.00                  | -4.95        |
| 11490.00     | Peak                         | 33.40                             | 23.69        | 57.08                  | 74.00                  | -16.92       |
| 17235.00     | Peak                         | 33.78                             | 26.00        | 59.78                  | 68.20                  | -8.42        |

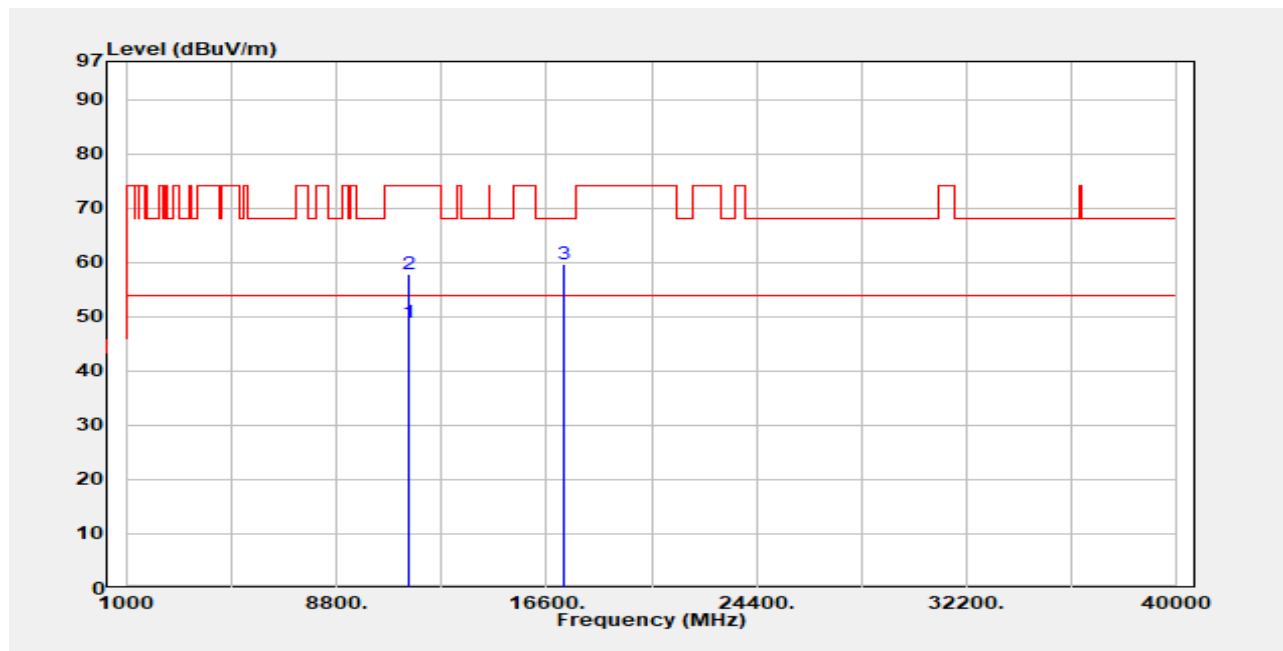
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5745 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Average                      | 25.32                             | 23.69        | 49.01                  | 54.00                  | -4.99        |
| 11490.00     | Peak                         | 34.21                             | 23.69        | 57.90                  | 74.00                  | -16.10       |
| 17235.00     | Peak                         | 33.58                             | 26.00        | 59.57                  | 68.20                  | -8.63        |

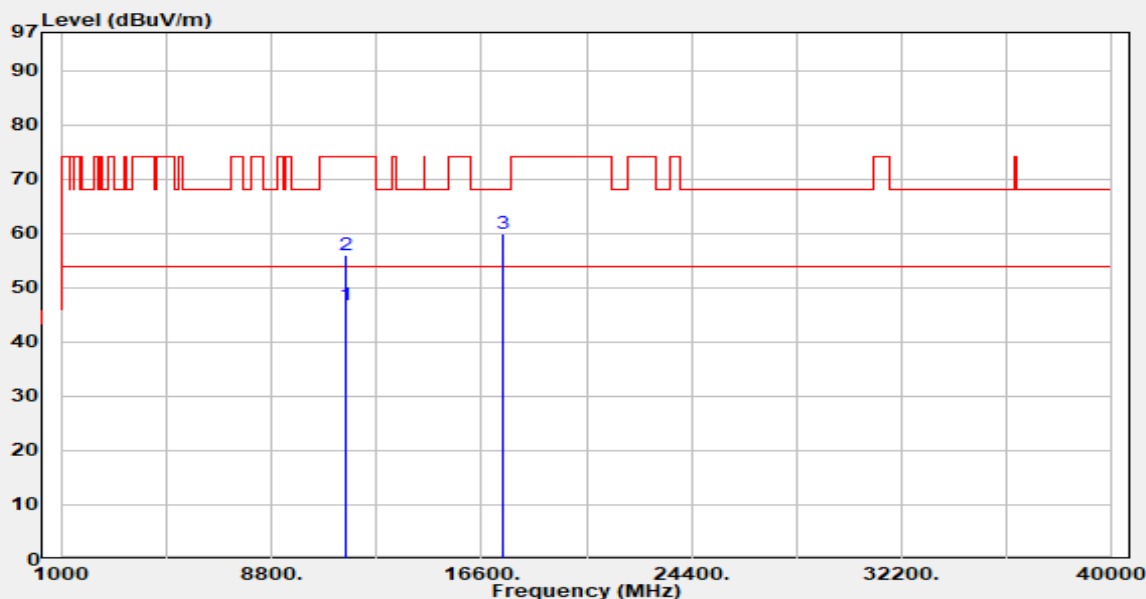
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5785 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.00     | Average                      | 25.13                             | 21.69        | 46.82                  | 54.00                  | -7.18        |
| 11570.00     | Peak                         | 34.22                             | 21.69        | 55.92                  | 74.00                  | -18.08       |
| 17355.00     | Peak                         | 33.14                             | 26.88        | 60.03                  | 68.20                  | -8.17        |

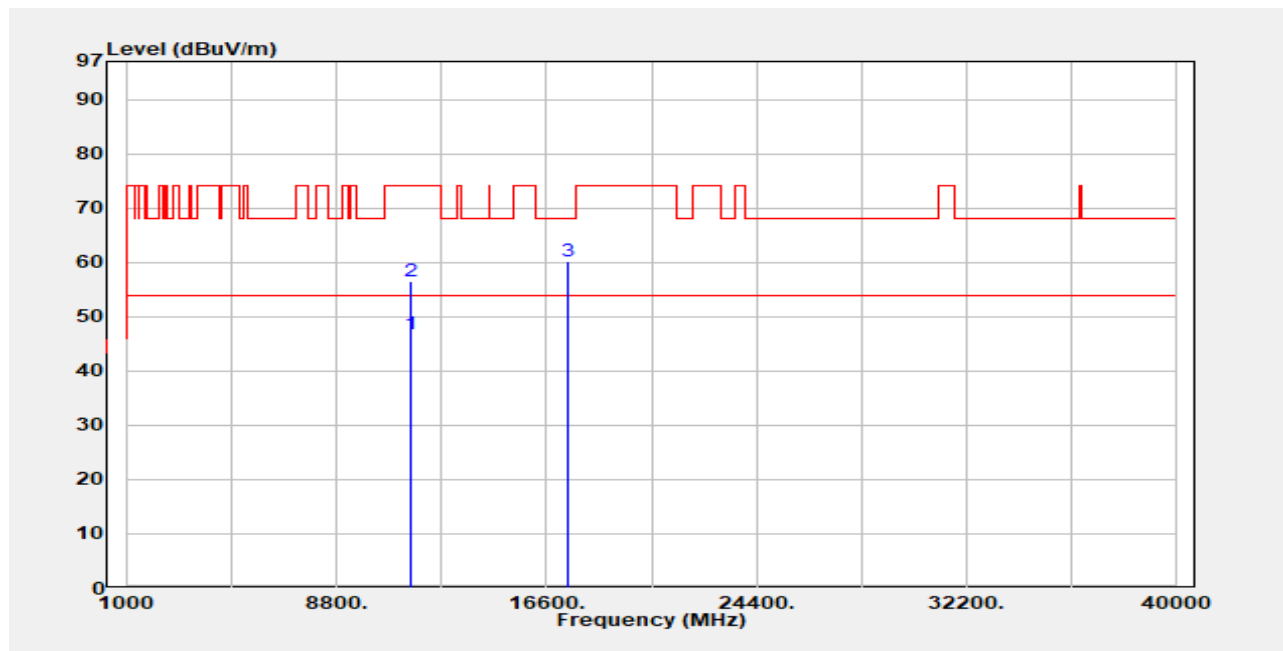
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5785 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.00     | Average                      | 25.11                             | 21.69        | 46.80                  | 54.00                  | -7.20        |
| 11570.00     | Peak                         | 34.91                             | 21.69        | 56.60                  | 74.00                  | -17.40       |
| 17355.00     | Peak                         | 33.20                             | 26.88        | 60.08                  | 68.20                  | -8.12        |

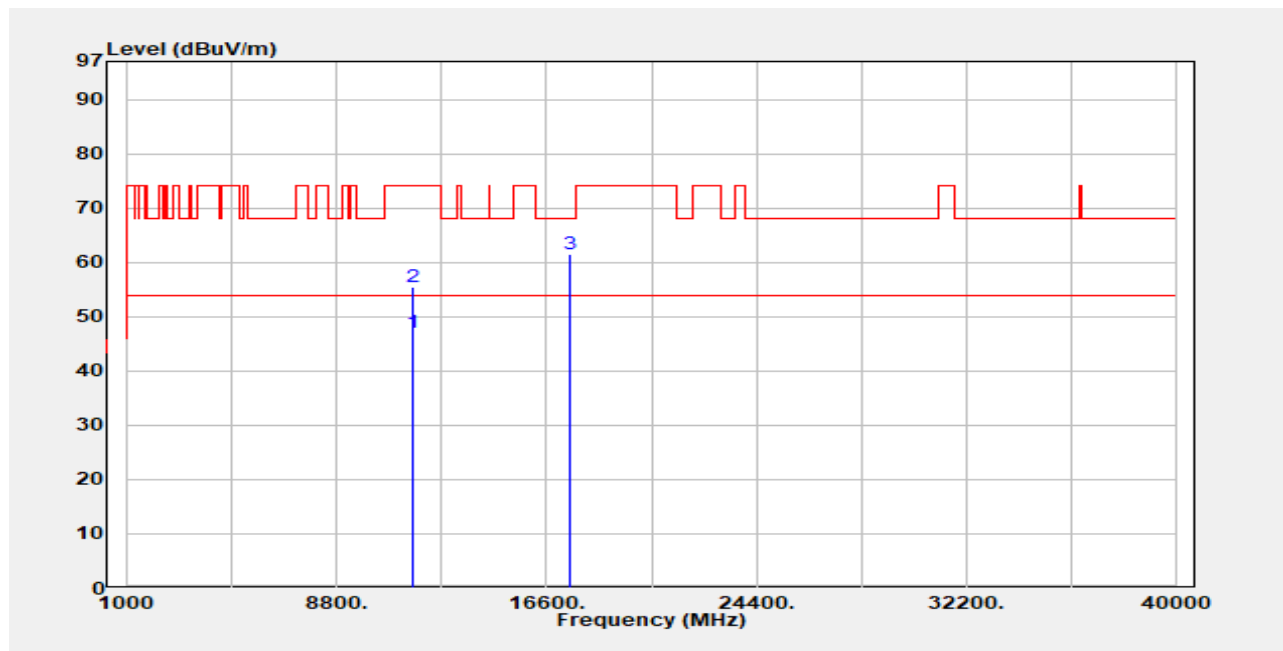
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5825 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.00     | Average                      | 24.77                             | 22.16        | 46.93                  | 54.00                  | -7.07        |
| 11650.00     | Peak                         | 33.37                             | 22.16        | 55.53                  | 74.00                  | -18.47       |
| 17475.00     | Peak                         | 33.40                             | 28.14        | 61.54                  | 68.20                  | -6.66        |

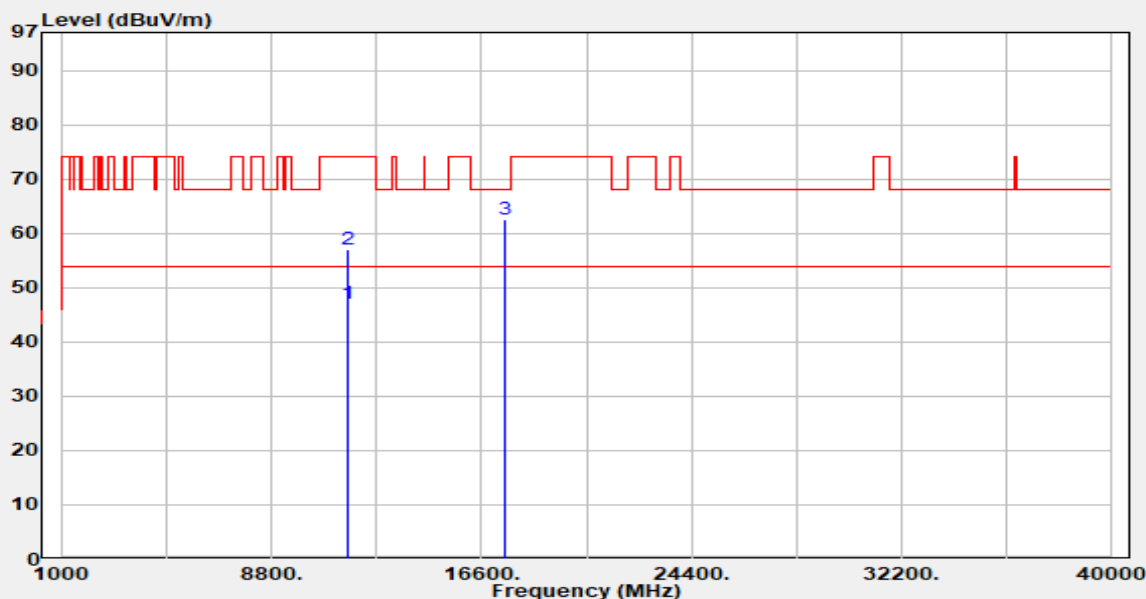
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n20  
 Test Frequency :5825 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.00     | Average                      | 24.97                             | 22.16        | 47.13                  | 54.00                  | -6.87        |
| 11650.00     | Peak                         | 35.00                             | 22.16        | 57.16                  | 74.00                  | -16.84       |
| 17475.00     | Peak                         | 34.46                             | 28.14        | 62.60                  | 68.20                  | -5.60        |

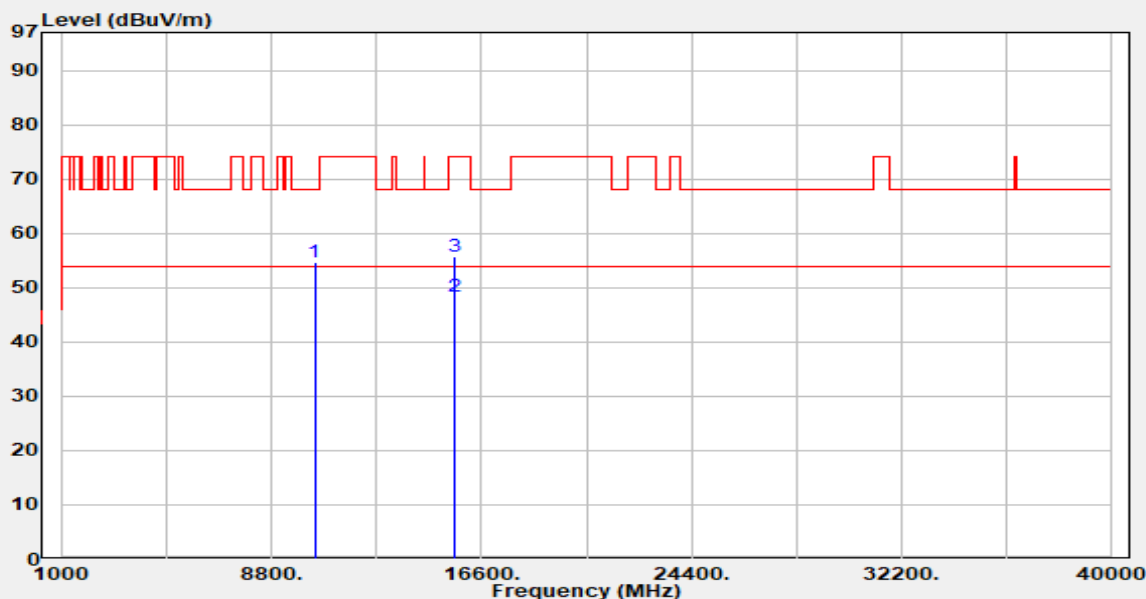
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5190 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10380.00     | Peak                         | 33.85                             | 20.90        | 54.75                  | 68.20                  | -13.45       |
| 15570.00     | Average                      | 25.62                             | 22.71        | 48.33                  | 54.00                  | -5.67        |
| 15570.00     | Peak                         | 33.06                             | 22.71        | 55.77                  | 74.00                  | -18.23       |

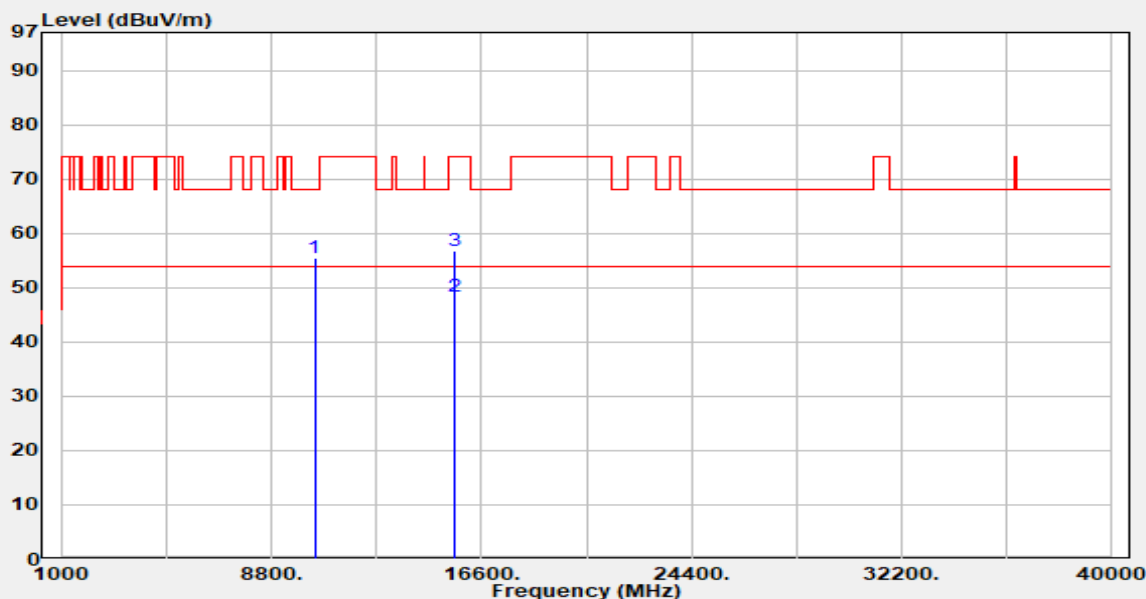
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5190 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10380.00     | Peak                         | 34.45                             | 20.90        | 55.36                  | 68.20                  | -12.84       |
| 15570.00     | Average                      | 25.63                             | 22.71        | 48.34                  | 54.00                  | -5.66        |
| 15570.00     | Peak                         | 34.18                             | 22.71        | 56.89                  | 74.00                  | -17.11       |

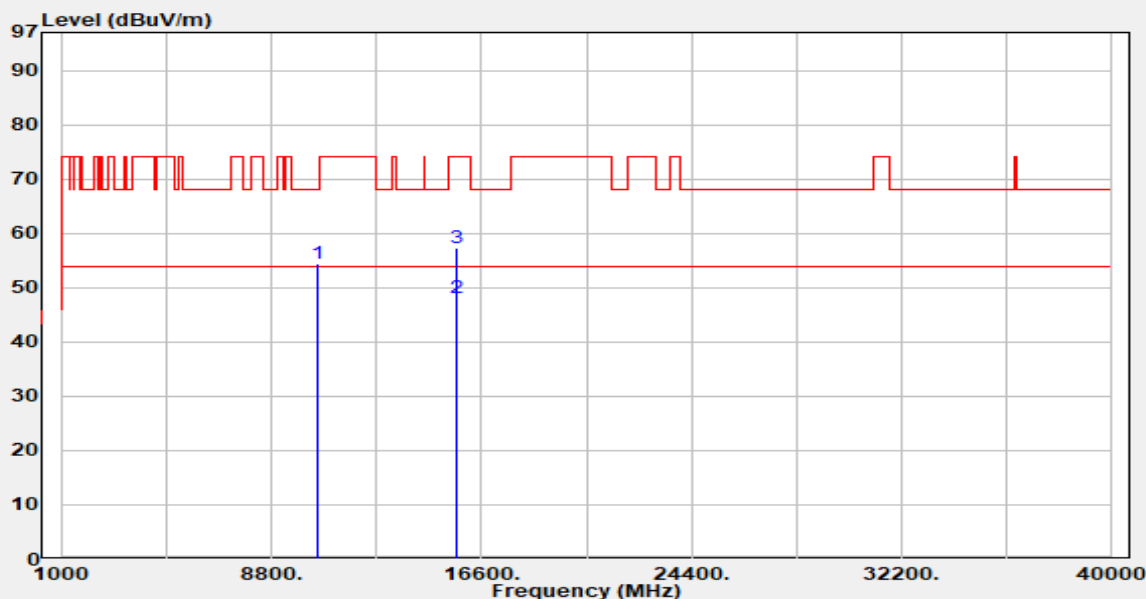
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5230 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10460.00     | Peak                         | 34.54                             | 19.89        | 54.43                  | 68.20                  | -13.77       |
| 15690.00     | Average                      | 25.84                             | 22.26        | 48.10                  | 54.00                  | -5.90        |
| 15690.00     | Peak                         | 35.12                             | 22.26        | 57.38                  | 74.00                  | -16.62       |

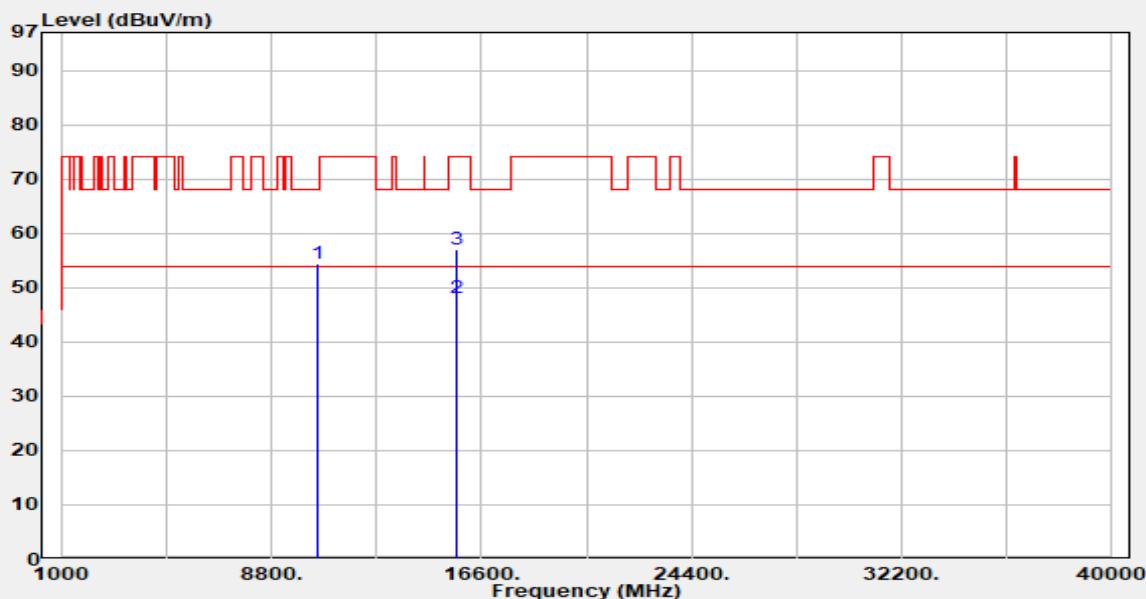
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5230 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10460.00     | Peak                         | 34.54                             | 19.89        | 54.43                  | 68.20                  | -13.77       |
| 15690.00     | Average                      | 25.81                             | 22.26        | 48.07                  | 54.00                  | -5.93        |
| 15690.00     | Peak                         | 34.89                             | 22.26        | 57.14                  | 74.00                  | -16.86       |

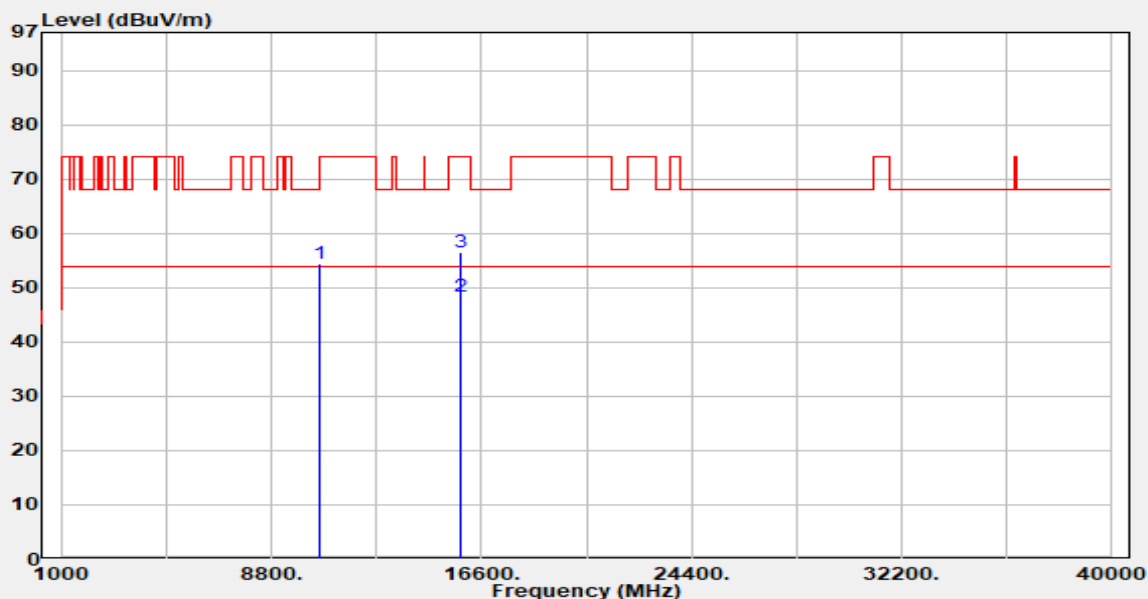
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5270 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10540.00     | Peak                         | 33.94                             | 20.38        | 54.33                  | 68.20                  | -13.87       |
| 15810.00     | Average                      | 26.25                             | 22.16        | 48.41                  | 54.00                  | -5.59        |
| 15810.00     | Peak                         | 34.48                             | 22.16        | 56.65                  | 74.00                  | -17.35       |

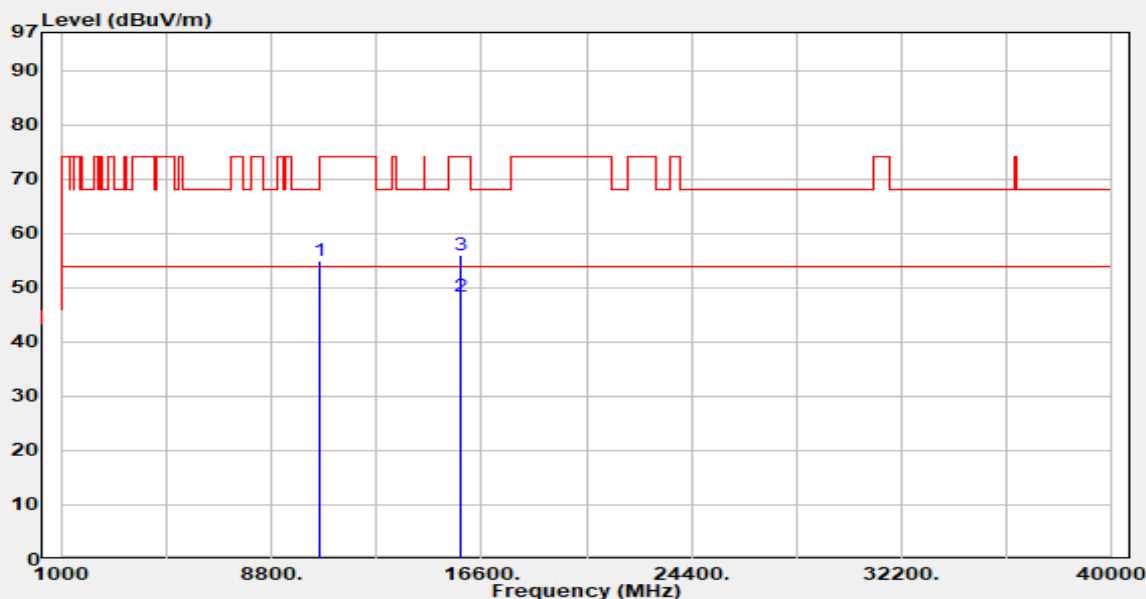
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5270 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10540.00     | Peak                         | 34.51                             | 20.38        | 54.90                  | 68.20                  | -13.30       |
| 15810.00     | Average                      | 26.23                             | 22.16        | 48.39                  | 54.00                  | -5.61        |
| 15810.00     | Peak                         | 33.84                             | 22.16        | 56.01                  | 74.00                  | -17.99       |

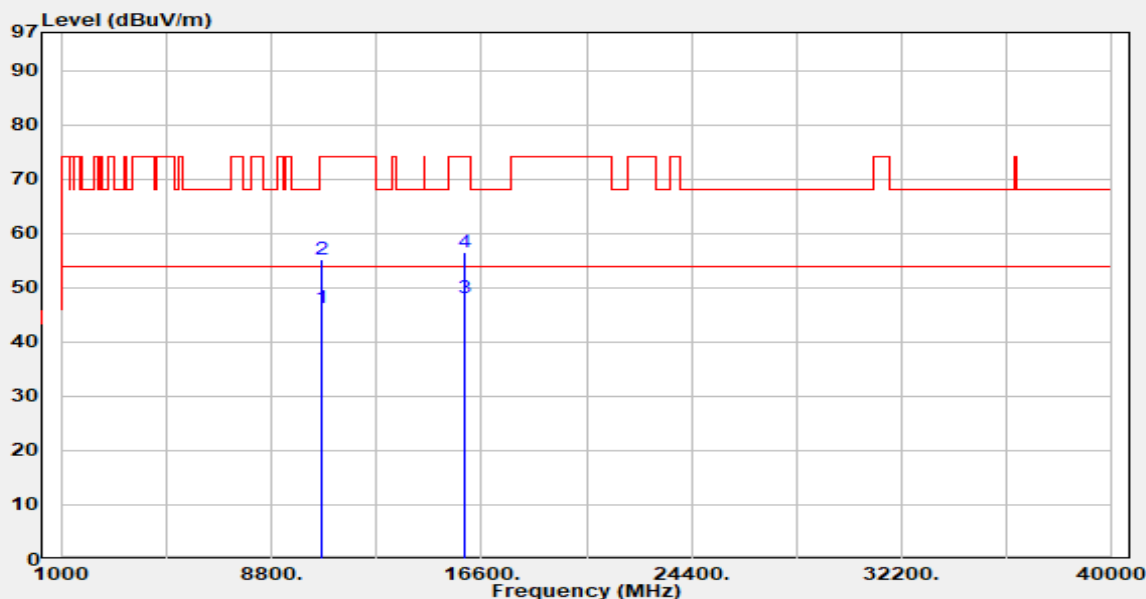
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5310 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10620.00     | Average                      | 26.27                             | 19.98        | 46.25                  | 54.00                  | -7.75        |
| 10620.00     | Peak                         | 35.35                             | 19.98        | 55.33                  | 74.00                  | -18.67       |
| 15930.00     | Average                      | 26.05                             | 21.95        | 48.00                  | 54.00                  | -6.00        |
| 15930.00     | Peak                         | 34.62                             | 21.95        | 56.57                  | 74.00                  | -17.43       |

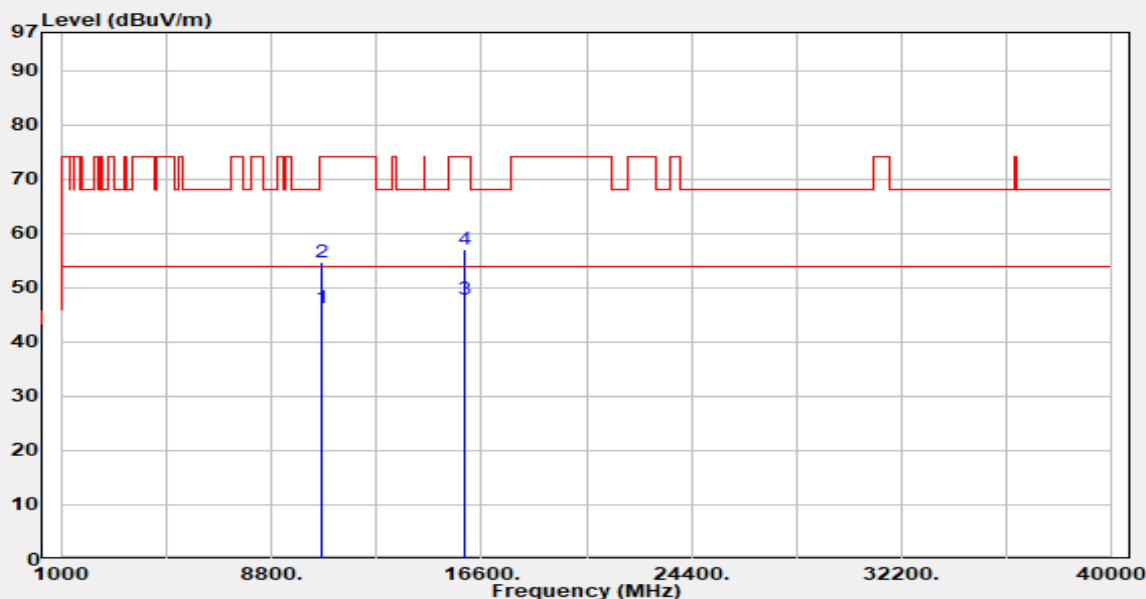
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5310 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10620.00     | Average                      | 26.41                             | 19.98        | 46.39                  | 54.00                  | -7.61        |
| 10620.00     | Peak                         | 34.82                             | 19.98        | 54.80                  | 74.00                  | -19.20       |
| 15930.00     | Average                      | 25.96                             | 21.95        | 47.91                  | 54.00                  | -6.09        |
| 15930.00     | Peak                         | 35.14                             | 21.95        | 57.09                  | 74.00                  | -16.91       |

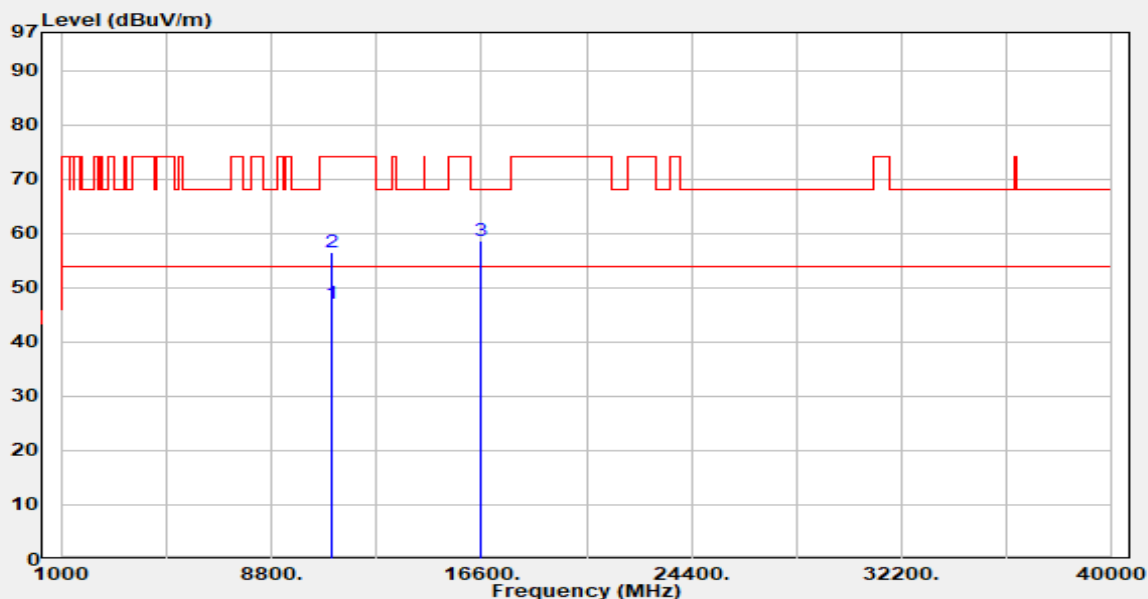
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5510 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11020.00     | Average                      | 25.95                             | 21.16        | 47.11                  | 54.00                  | -6.89        |
| 11020.00     | Peak                         | 35.37                             | 21.16        | 56.53                  | 74.00                  | -17.47       |
| 16530.00     | Peak                         | 34.51                             | 24.07        | 58.58                  | 68.20                  | -9.62        |

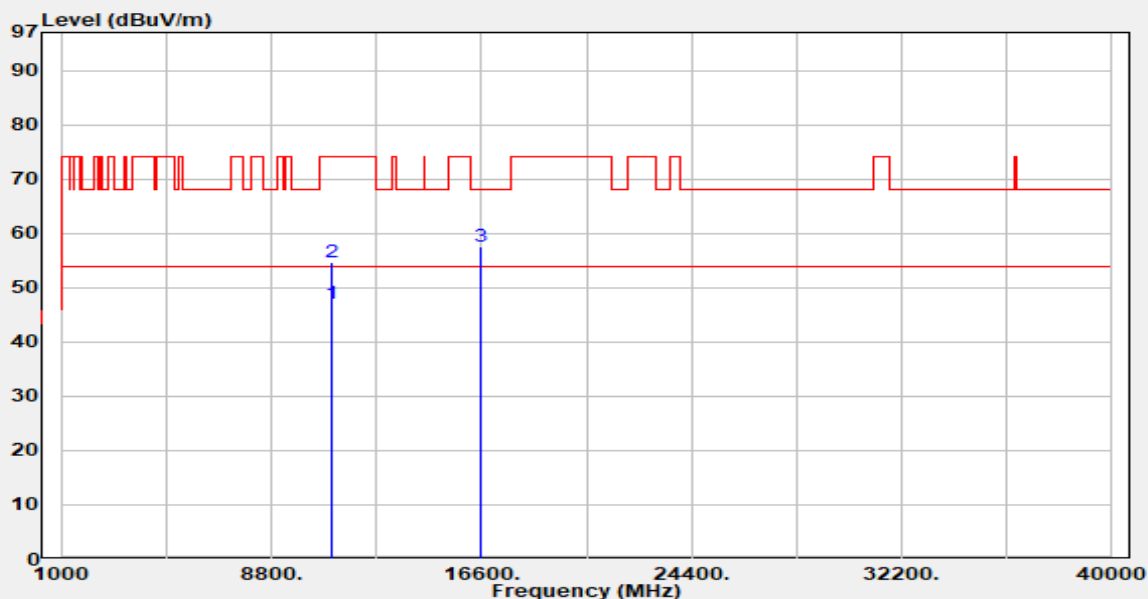
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5510 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11020.00     | Average                      | 25.81                             | 21.16        | 46.97                  | 54.00                  | -7.03        |
| 11020.00     | Peak                         | 33.55                             | 21.16        | 54.71                  | 74.00                  | -19.29       |
| 16530.00     | Peak                         | 33.46                             | 24.07        | 57.53                  | 68.20                  | -10.67       |

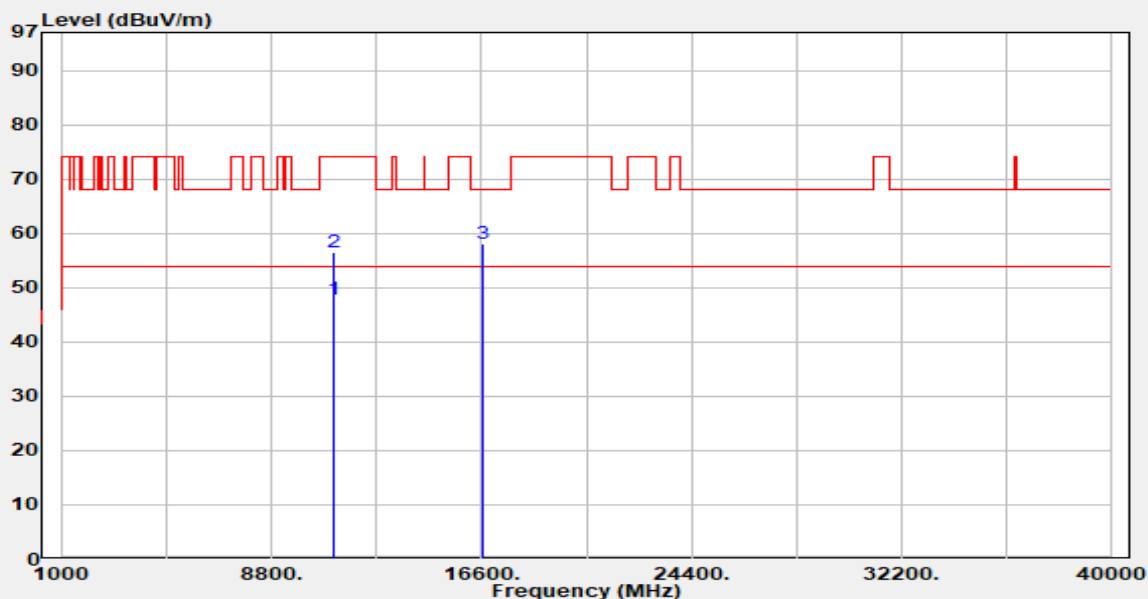
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5550 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11100.00     | Average                      | 25.99                             | 21.92        | 47.91                  | 54.00                  | -6.09        |
| 11100.00     | Peak                         | 34.61                             | 21.92        | 56.53                  | 74.00                  | -17.47       |
| 16650.00     | Peak                         | 33.71                             | 24.49        | 58.20                  | 68.20                  | -10.00       |

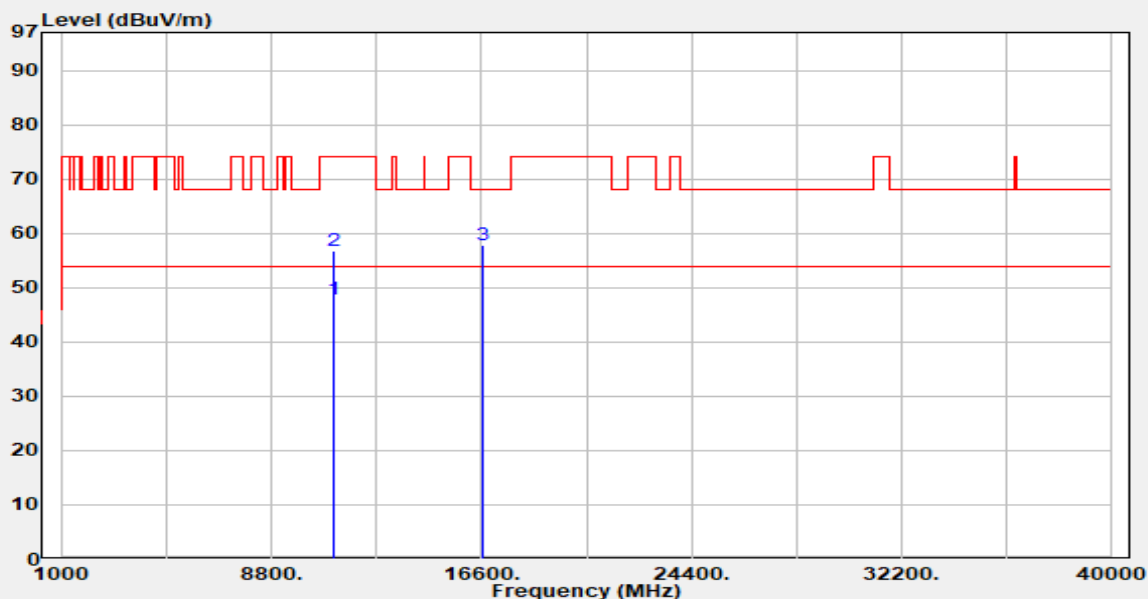
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5550 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11100.00     | Average                      | 25.90                             | 21.92        | 47.82                  | 54.00                  | -6.18        |
| 11100.00     | Peak                         | 34.87                             | 21.92        | 56.79                  | 74.00                  | -17.21       |
| 16650.00     | Peak                         | 33.32                             | 24.49        | 57.81                  | 68.20                  | -10.39       |

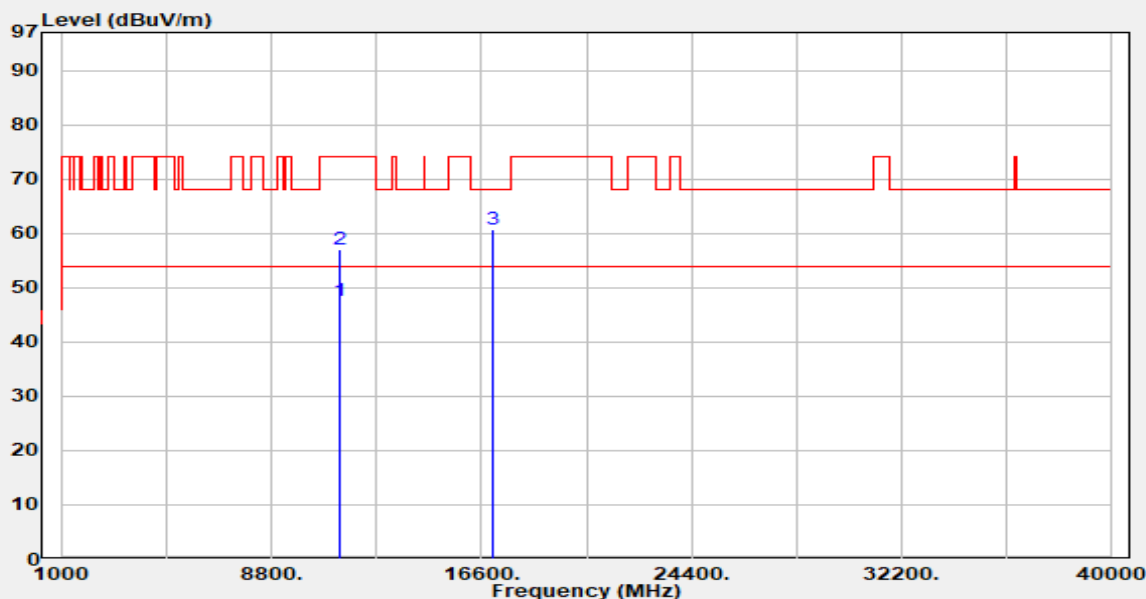
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5670 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11340.00     | Average                      | 25.54                             | 22.00        | 47.54                  | 54.00                  | -6.46        |
| 11340.00     | Peak                         | 35.17                             | 22.00        | 57.17                  | 74.00                  | -16.83       |
| 17010.00     | Peak                         | 34.58                             | 26.25        | 60.83                  | 68.20                  | -7.37        |

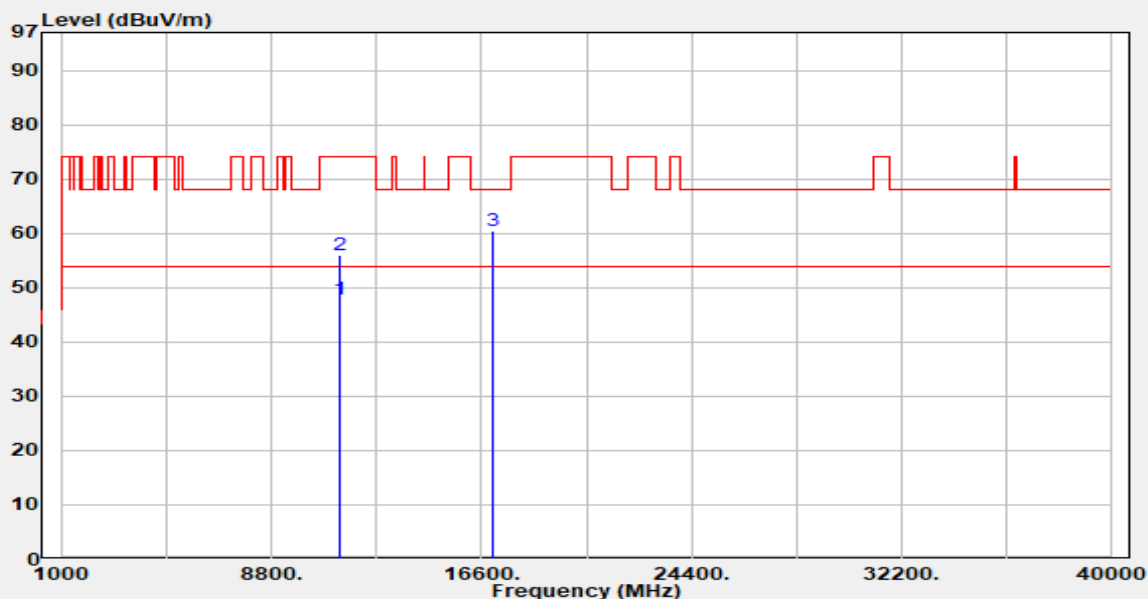
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5670 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11340.00     | Average                      | 25.72                             | 22.00        | 47.72                  | 54.00                  | -6.28        |
| 11340.00     | Peak                         | 34.00                             | 22.00        | 55.99                  | 74.00                  | -18.01       |
| 17010.00     | Peak                         | 34.21                             | 26.25        | 60.46                  | 68.20                  | -7.74        |

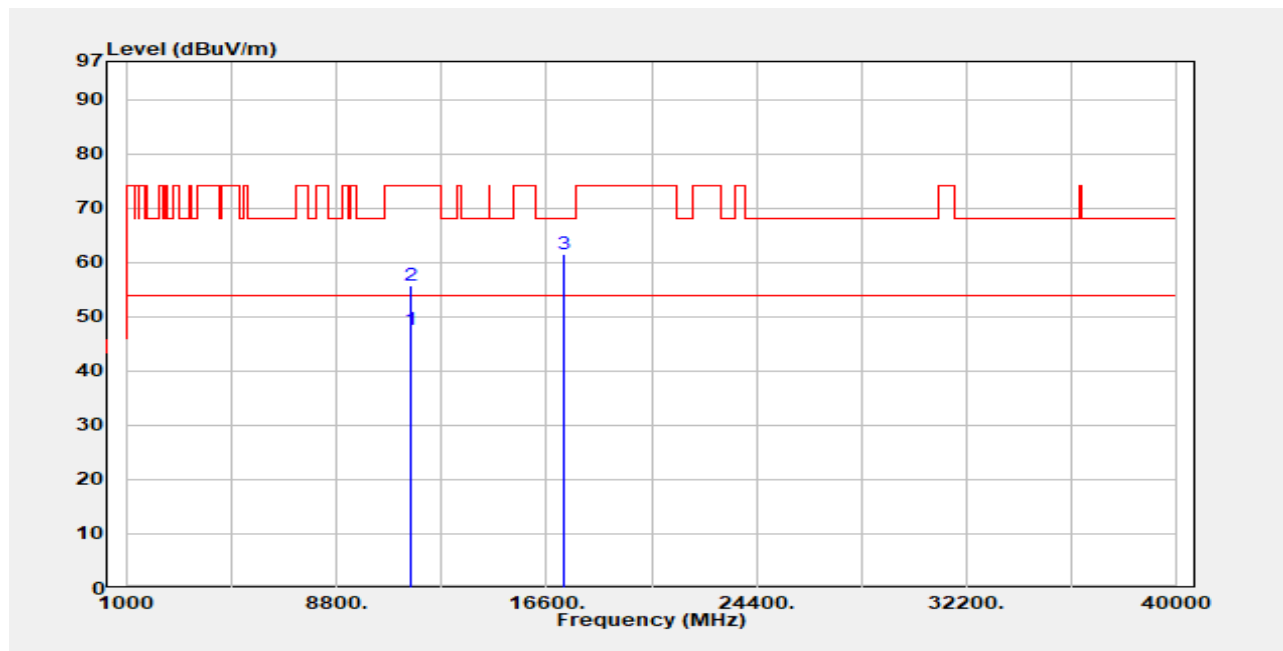
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5755 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 11510.00     | Average                      | 25.41                                   | 22.16        | 47.57                        | 54.00                        | -6.43        |
| 11510.00     | Peak                         | 33.69                                   | 22.16        | 55.84                        | 74.00                        | -18.16       |
| 17265.00     | Peak                         | 34.46                                   | 27.00        | 61.47                        | 68.20                        | -6.73        |

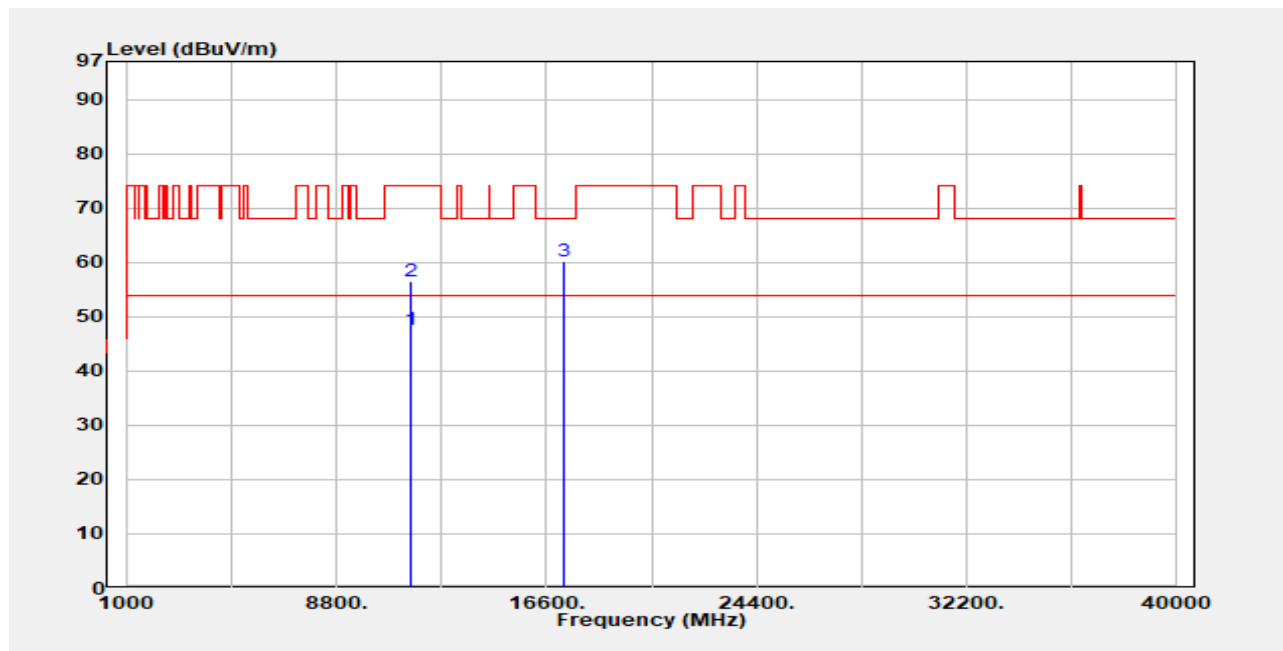
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5755 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11510.00     | Average                      | 25.48                             | 22.16        | 47.64                  | 54.00                  | -6.36        |
| 11510.00     | Peak                         | 34.24                             | 22.16        | 56.39                  | 74.00                  | -17.61       |
| 17265.00     | Peak                         | 33.25                             | 27.00        | 60.26                  | 68.20                  | -7.94        |

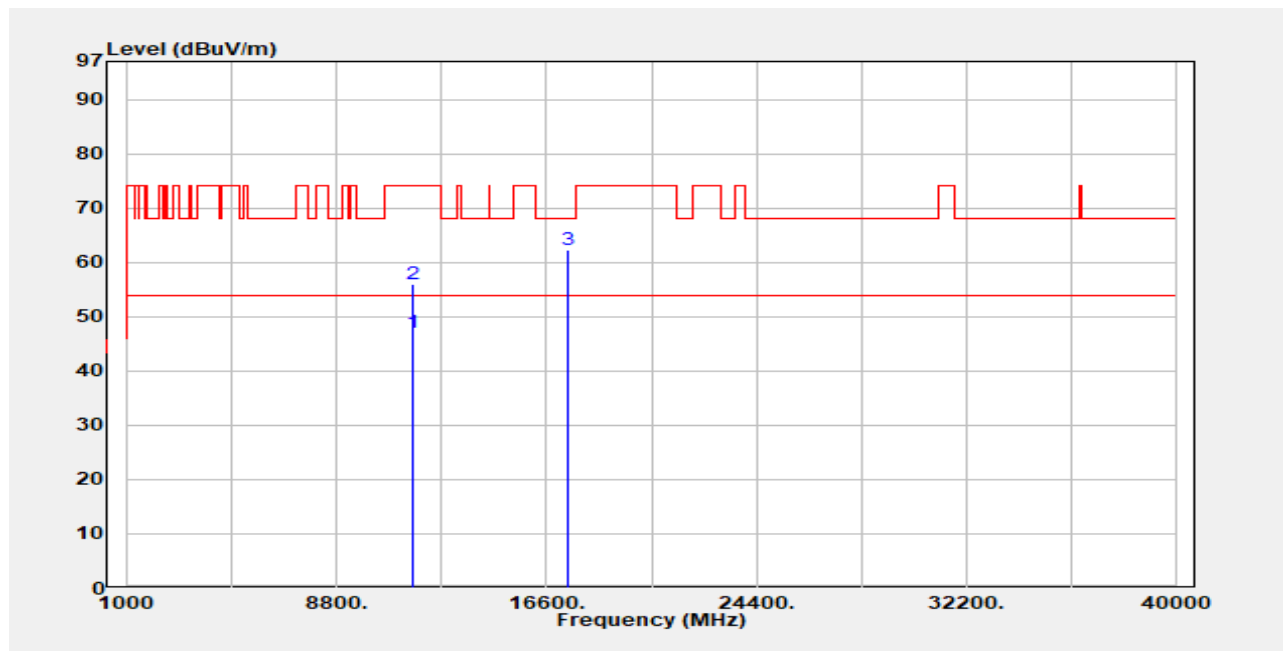
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5795 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11590.00     | Average                      | 25.61                             | 21.56        | 47.17                  | 54.00                  | -6.83        |
| 11590.00     | Peak                         | 34.32                             | 21.56        | 55.88                  | 74.00                  | -18.12       |
| 17385.00     | Peak                         | 34.31                             | 27.92        | 62.22                  | 68.20                  | -5.98        |

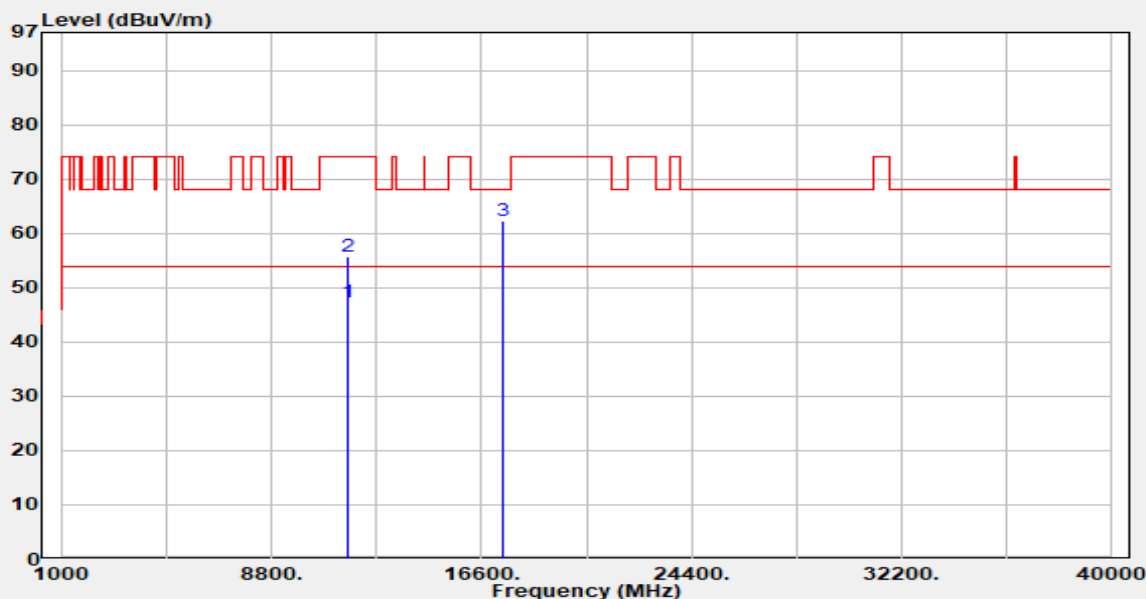
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Report Number :ER/2021/C0041  
 Operation Mode :802.11n40  
 Test Frequency :5795 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11590.00     | Average                      | 25.67                             | 21.56        | 47.23                  | 54.00                  | -6.77        |
| 11590.00     | Peak                         | 34.09                             | 21.56        | 55.64                  | 74.00                  | -18.36       |
| 17385.00     | Peak                         | 34.25                             | 27.92        | 62.17                  | 68.20                  | -6.03        |

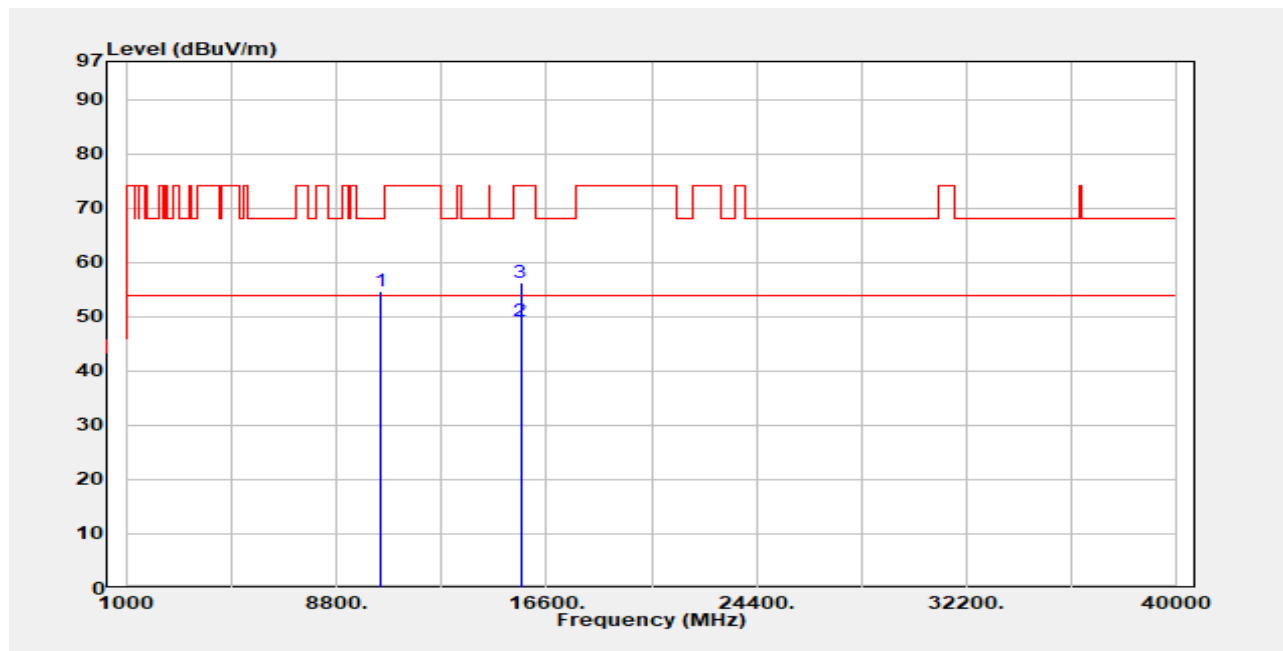
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10420.00     | Peak                         | 34.37                             | 20.23        | 54.60                  | 68.20                  | -13.60       |
| 15630.00     | Average                      | 27.01                             | 22.13        | 49.14                  | 54.00                  | -4.86        |
| 15630.00     | Peak                         | 34.08                             | 22.13        | 56.21                  | 74.00                  | -17.79       |

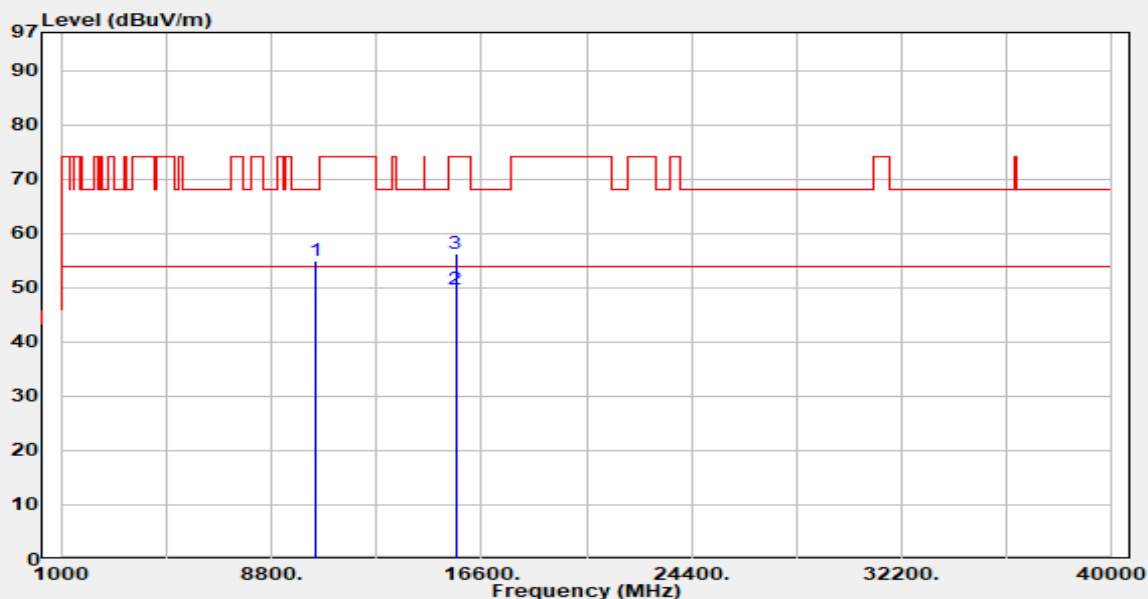
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10420.00     | Peak                         | 34.62                             | 20.23        | 54.84                  | 68.20                  | -13.36       |
| 15630.00     | Average                      | 27.60                             | 22.13        | 49.73                  | 54.00                  | -4.27        |
| 15630.00     | Peak                         | 34.07                             | 22.13        | 56.20                  | 74.00                  | -17.80       |

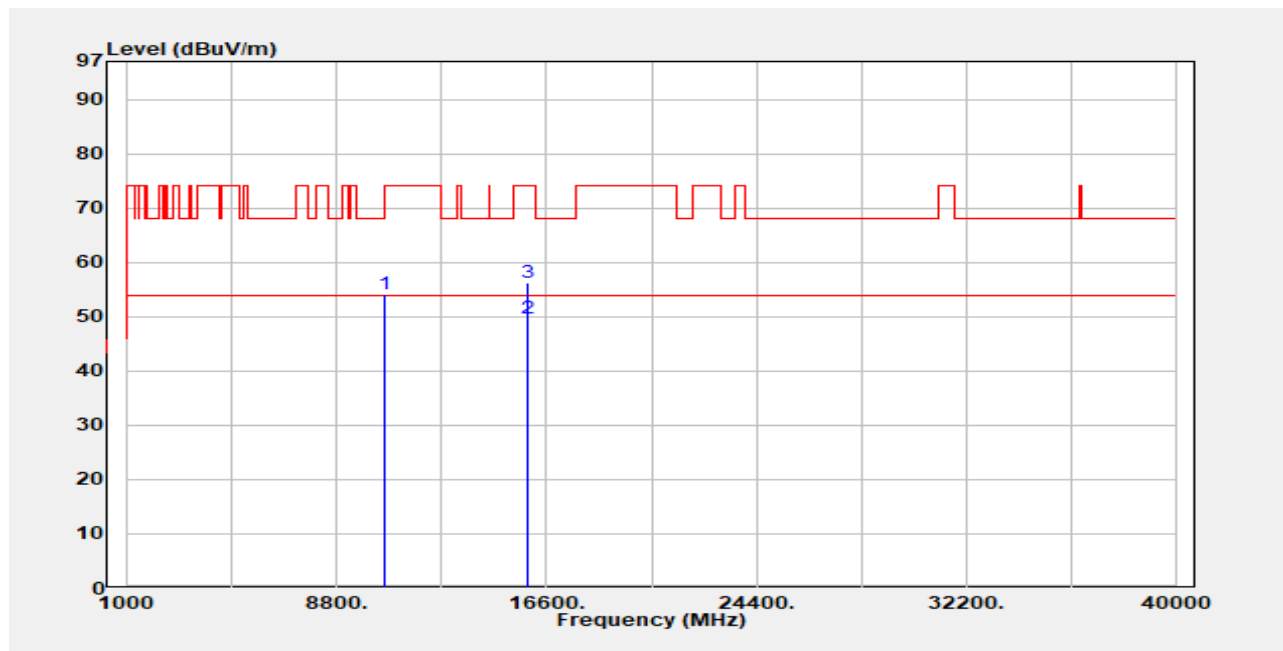
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10580.00     | Peak                         | 34.44                             | 19.83        | 54.28                  | 68.20                  | -13.92       |
| 15870.00     | Average                      | 27.74                             | 21.84        | 49.58                  | 54.00                  | -4.42        |
| 15870.00     | Peak                         | 34.55                             | 21.84        | 56.39                  | 74.00                  | -17.61       |

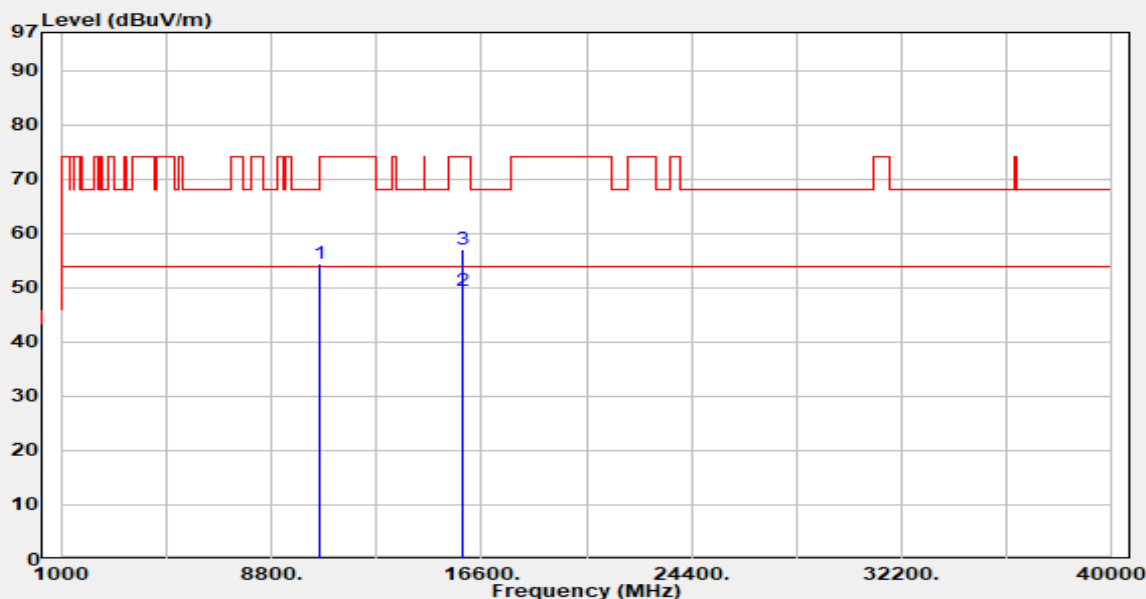
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10580.00     | Peak                         | 34.51                             | 19.83        | 54.34                  | 68.20                  | -13.86       |
| 15870.00     | Average                      | 27.47                             | 21.84        | 49.31                  | 54.00                  | -4.69        |
| 15870.00     | Peak                         | 35.23                             | 21.84        | 57.07                  | 74.00                  | -16.93       |

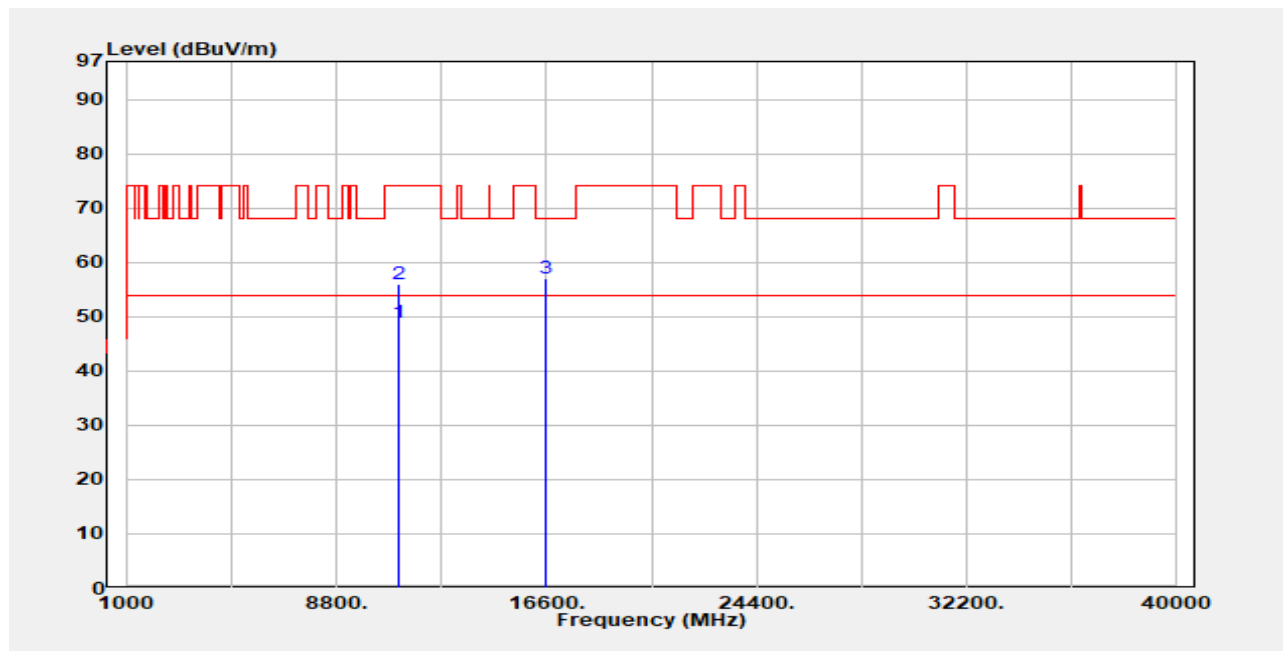
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5530 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11060.00     | Average                      | 27.31                             | 21.47        | 48.78                  | 54.00                  | -5.22        |
| 11060.00     | Peak                         | 34.61                             | 21.47        | 56.08                  | 74.00                  | -17.92       |
| 16590.00     | Peak                         | 33.43                             | 23.56        | 56.99                  | 68.20                  | -11.21       |

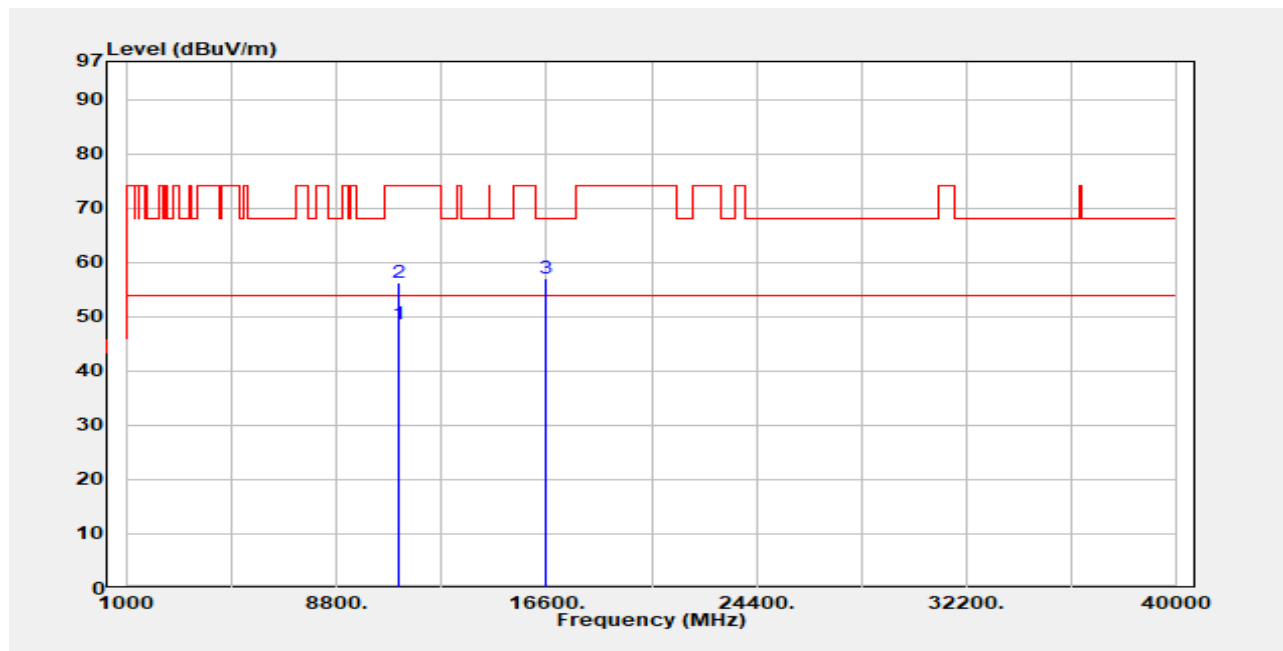
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5530 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11060.00     | Average                      | 27.21                             | 21.47        | 48.68                  | 54.00                  | -5.32        |
| 11060.00     | Peak                         | 34.73                             | 21.47        | 56.20                  | 74.00                  | -17.80       |
| 16590.00     | Peak                         | 33.61                             | 23.56        | 57.17                  | 68.20                  | -11.03       |

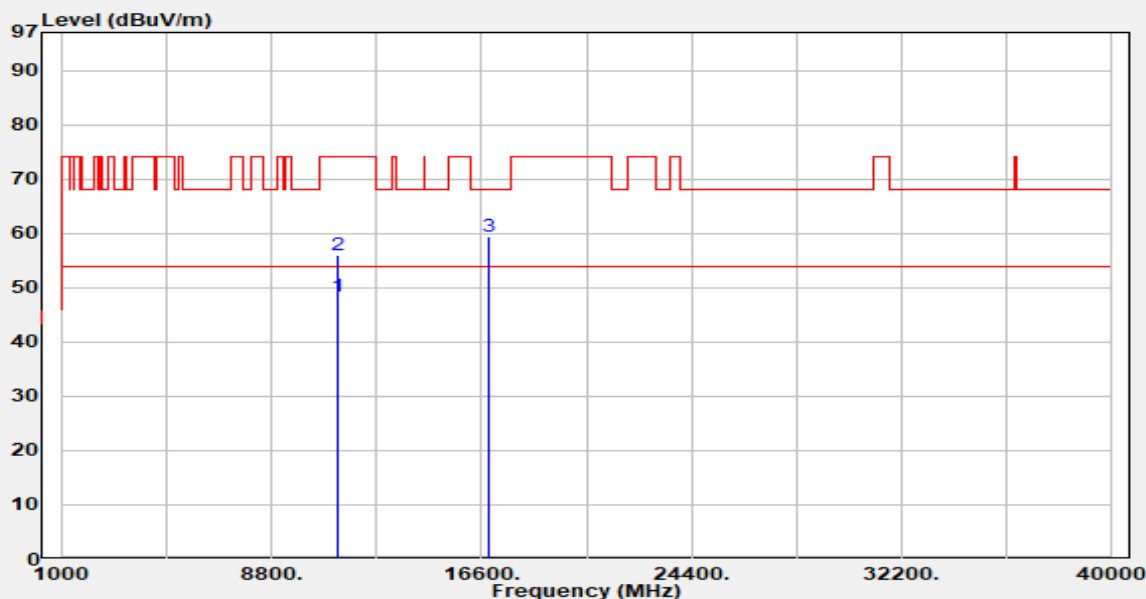
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11220.00     | Average                      | 27.21                             | 21.03        | 48.24                  | 54.00                  | -5.76        |
| 11220.00     | Peak                         | 34.89                             | 21.03        | 55.93                  | 74.00                  | -18.07       |
| 16830.00     | Peak                         | 33.58                             | 25.73        | 59.31                  | 68.20                  | -8.89        |

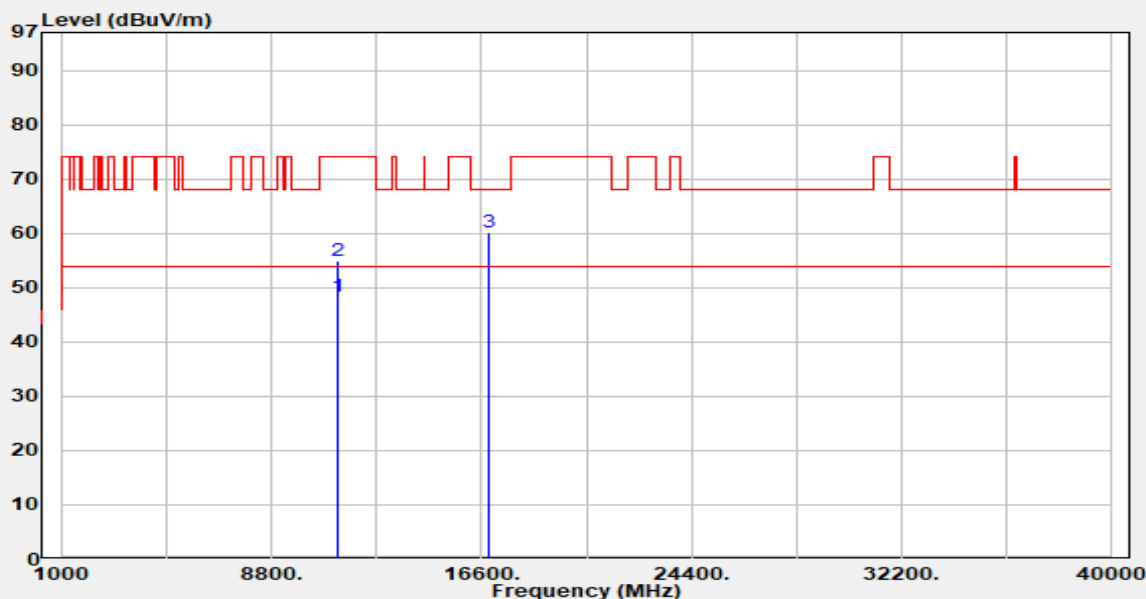
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11220.00     | Average                      | 27.35                             | 21.03        | 48.38                  | 54.00                  | -5.62        |
| 11220.00     | Peak                         | 33.83                             | 21.03        | 54.87                  | 74.00                  | -19.13       |
| 16830.00     | Peak                         | 34.39                             | 25.73        | 60.12                  | 68.20                  | -8.08        |

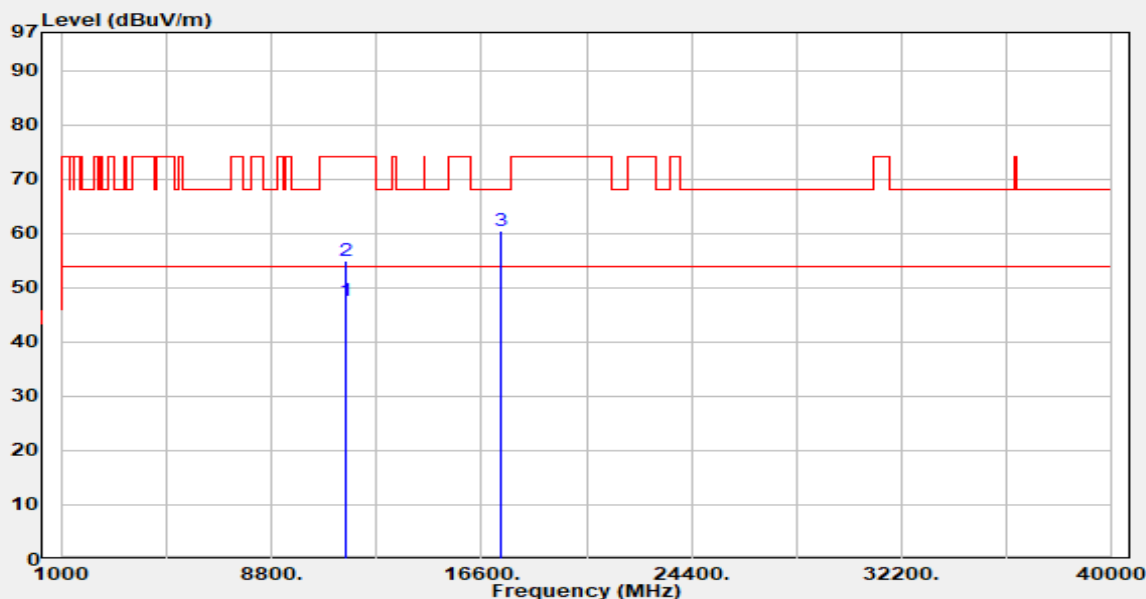
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 11550.00     | Average                      | 26.79                                   | 20.80        | 47.59                        | 54.00                        | -6.41        |
| 11550.00     | Peak                         | 34.17                                   | 20.80        | 54.97                        | 74.00                        | -19.03       |
| 17325.00     | Peak                         | 33.51                                   | 27.06        | 60.56                        | 68.20                        | -7.64        |

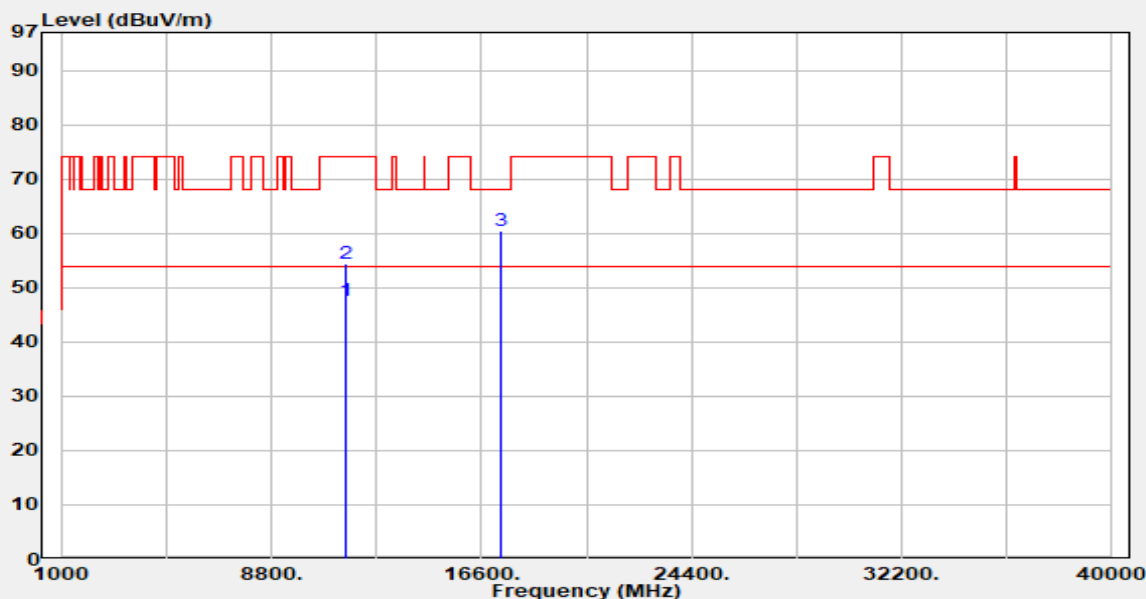
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11550.00     | Average                      | 26.71                             | 20.80        | 47.51                  | 54.00                  | -6.49        |
| 11550.00     | Peak                         | 33.50                             | 20.80        | 54.30                  | 74.00                  | -19.70       |
| 17325.00     | Peak                         | 33.44                             | 27.06        | 60.50                  | 68.20                  | -7.70        |

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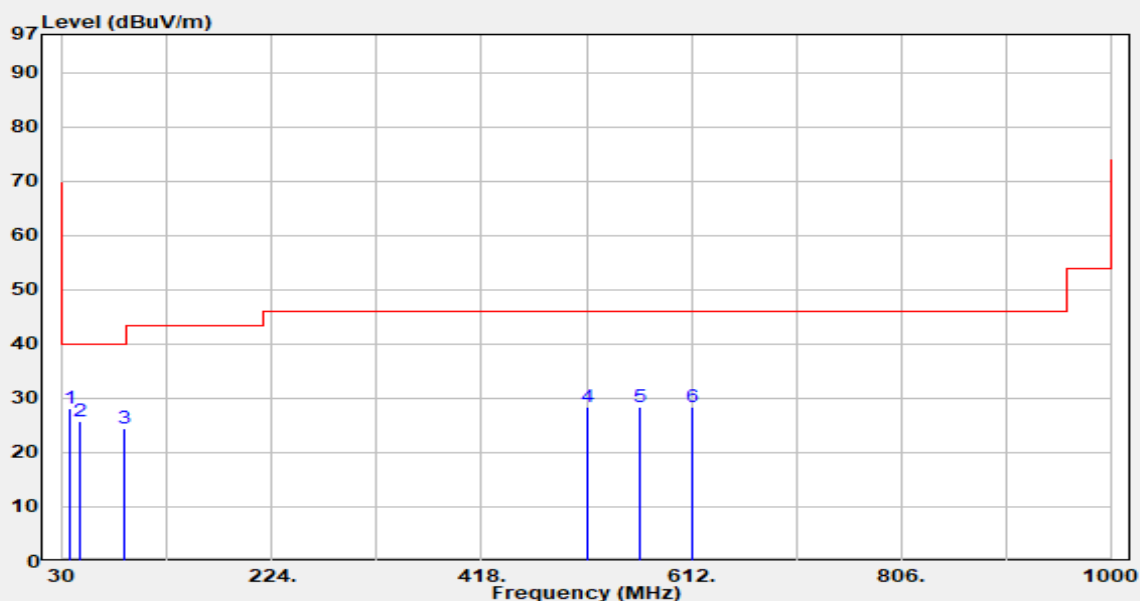
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## 12.8 接收機場強輻射之量測

Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5220 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 36.47        | Peak                         | 36.58                                   | -8.33        | 28.25                        | 40.00                        | -11.75       |
| 46.17        | Peak                         | 39.50                                   | -13.82       | 25.69                        | 40.00                        | -14.31       |
| 86.58        | Peak                         | 40.12                                   | -15.71       | 24.42                        | 40.00                        | -15.58       |
| 516.62       | Peak                         | 33.74                                   | -5.38        | 28.37                        | 46.00                        | -17.63       |
| 565.12       | Peak                         | 32.96                                   | -4.58        | 28.38                        | 46.00                        | -17.62       |
| 613.62       | Peak                         | 31.91                                   | -3.64        | 28.27                        | 46.00                        | -17.73       |

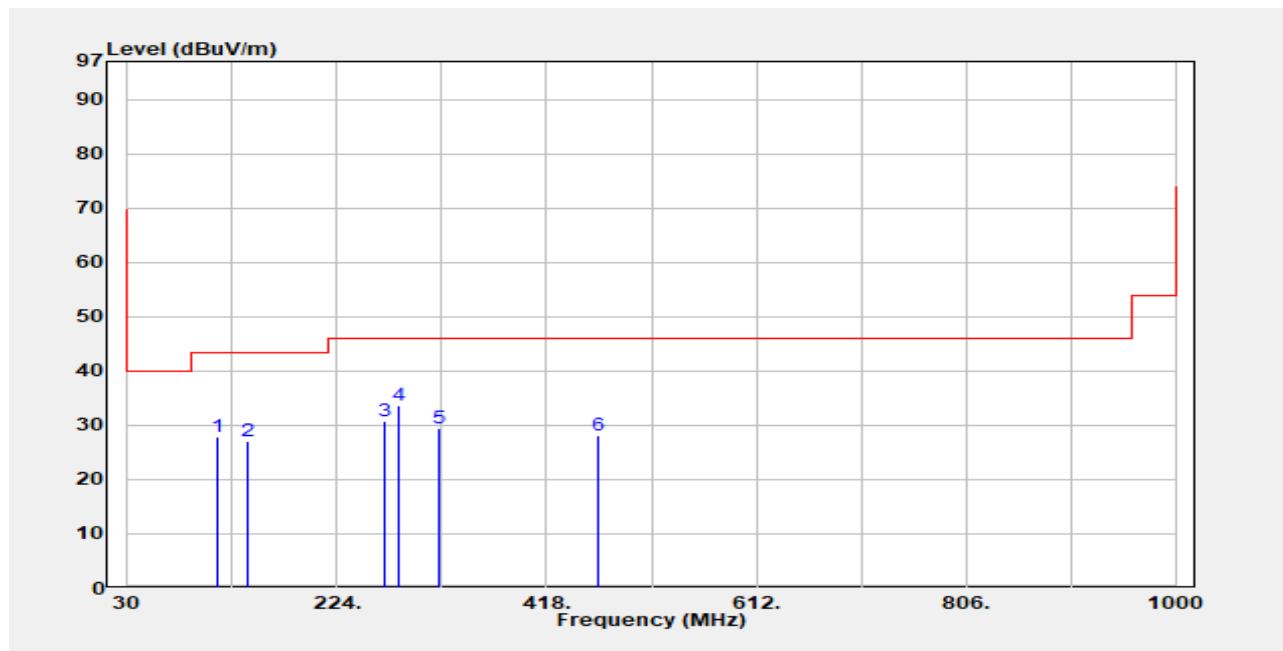
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5220 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 114.07       | Peak                         | 39.76                             | -11.78       | 27.98                  | 43.50                  | -15.52       |
| 141.55       | Peak                         | 39.36                             | -12.36       | 27.00                  | 43.50                  | -16.50       |
| 267.65       | Peak                         | 40.07                             | -9.43        | 30.65                  | 46.00                  | -15.35       |
| 280.58       | Peak                         | 43.10                             | -9.42        | 33.69                  | 46.00                  | -12.31       |
| 317.77       | Peak                         | 38.04                             | -8.61        | 29.43                  | 46.00                  | -16.57       |
| 466.50       | Peak                         | 34.01                             | -5.85        | 28.16                  | 46.00                  | -17.84       |

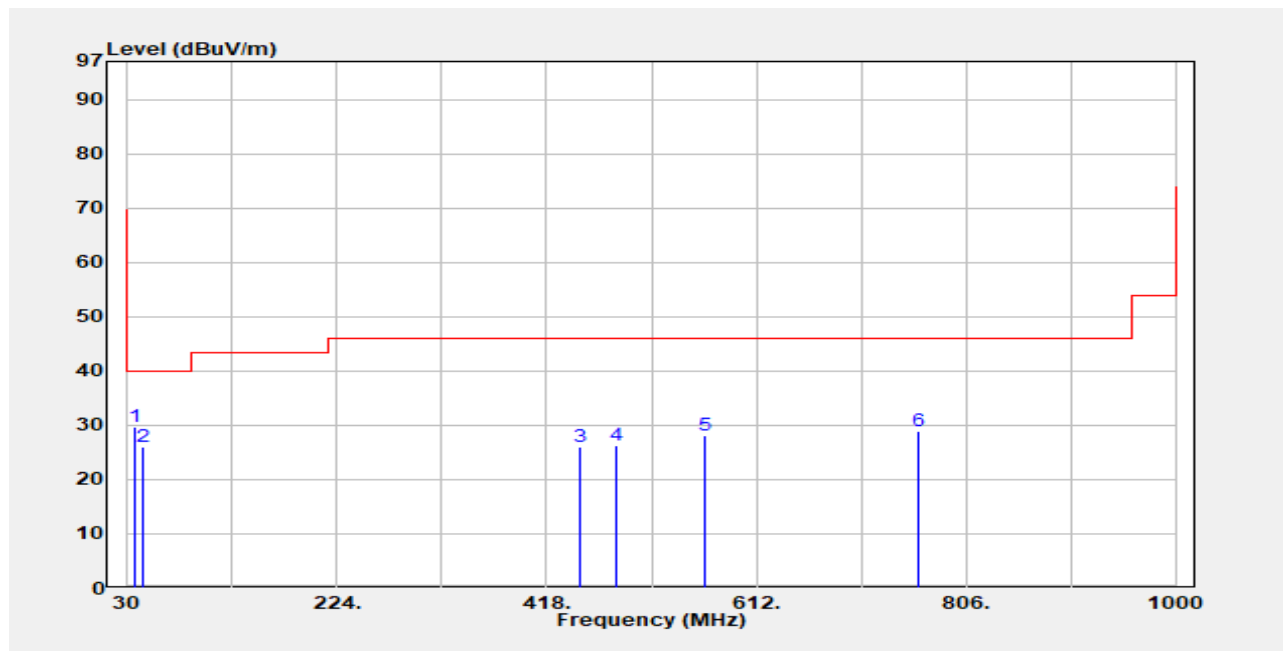
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5300 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 37.98                             | -8.33        | 29.65                  | 40.00                  | -10.35       |
| 44.55        | Peak                         | 38.93                             | -12.91       | 26.03                  | 40.00                  | -13.97       |
| 448.72       | Peak                         | 32.12                             | -6.05        | 26.07                  | 46.00                  | -19.93       |
| 482.67       | Peak                         | 31.49                             | -5.31        | 26.18                  | 46.00                  | -19.82       |
| 565.12       | Peak                         | 32.69                             | -4.58        | 28.11                  | 46.00                  | -17.89       |
| 762.35       | Peak                         | 30.92                             | -1.91        | 29.01                  | 46.00                  | -16.99       |

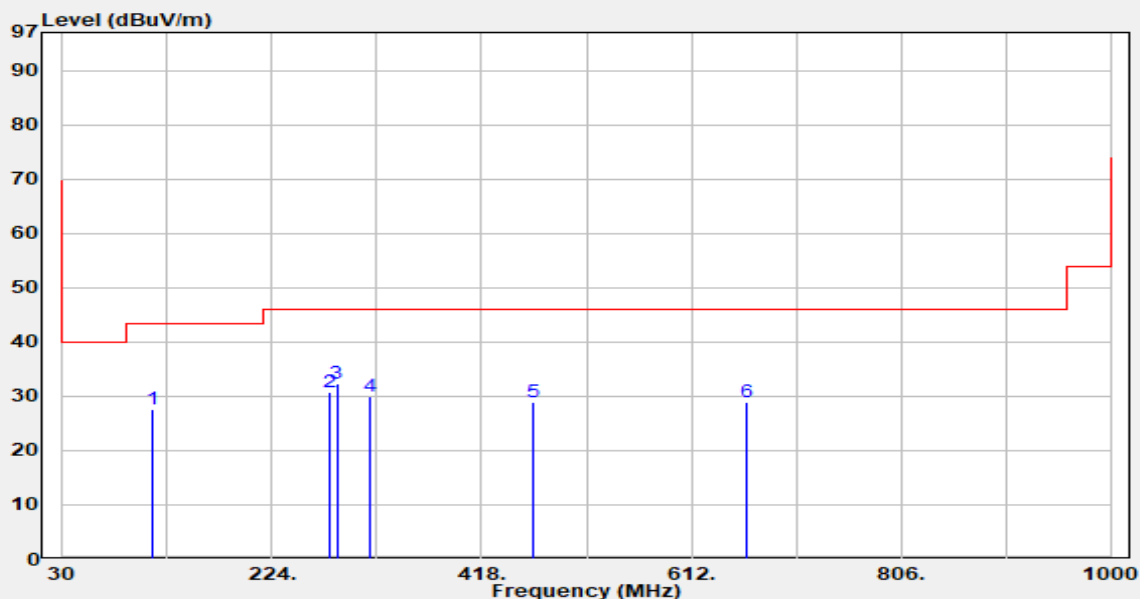
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5300 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 114.07       | Peak                         | 39.34                             | -11.78       | 27.56                  | 43.50                  | -15.94       |
| 277.35       | Peak                         | 40.23                             | -9.50        | 30.72                  | 46.00                  | -15.28       |
| 283.82       | Peak                         | 41.79                             | -9.40        | 32.39                  | 46.00                  | -13.61       |
| 314.53       | Peak                         | 38.67                             | -8.80        | 29.88                  | 46.00                  | -16.12       |
| 466.50       | Peak                         | 34.68                             | -5.85        | 28.83                  | 46.00                  | -17.17       |
| 663.73       | Peak                         | 32.29                             | -3.30        | 28.99                  | 46.00                  | -17.01       |

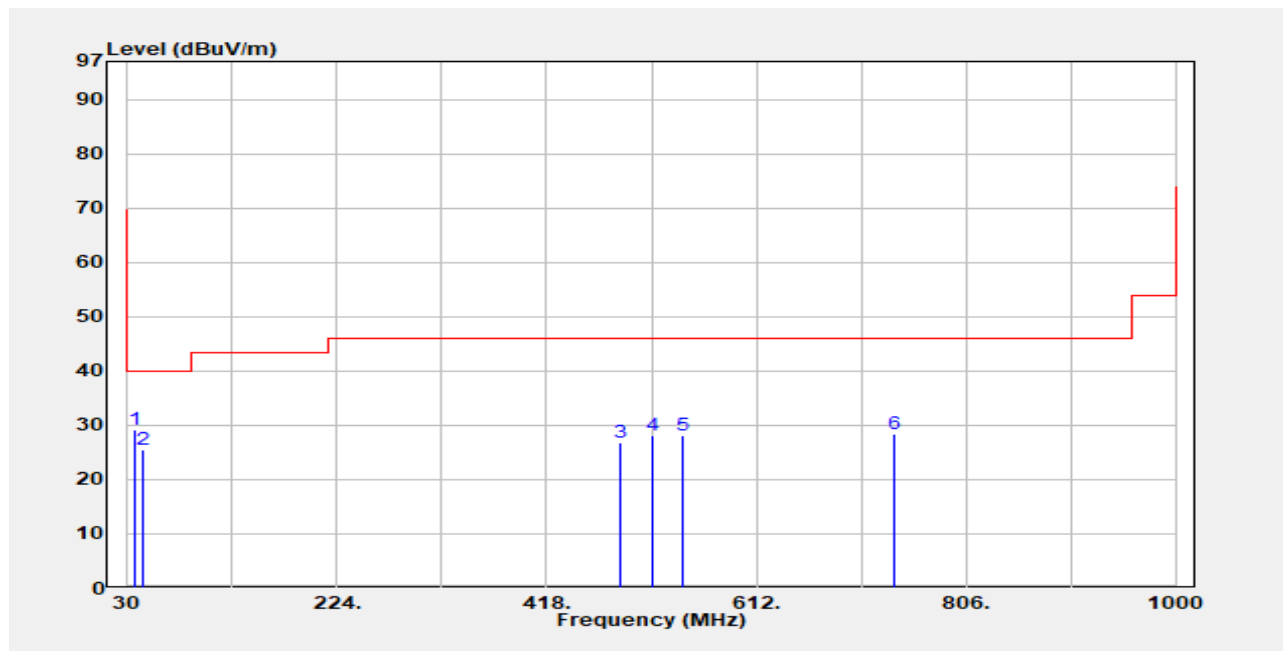
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5580 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 37.62                             | -8.33        | 29.29                  | 40.00                  | -10.71       |
| 44.55        | Peak                         | 38.29                             | -12.91       | 25.38                  | 40.00                  | -14.62       |
| 485.90       | Peak                         | 32.02                             | -5.25        | 26.77                  | 46.00                  | -19.23       |
| 516.62       | Peak                         | 33.51                             | -5.38        | 28.13                  | 46.00                  | -17.87       |
| 544.10       | Peak                         | 32.33                             | -4.27        | 28.06                  | 46.00                  | -17.94       |
| 739.72       | Peak                         | 31.10                             | -2.72        | 28.37                  | 46.00                  | -17.63       |

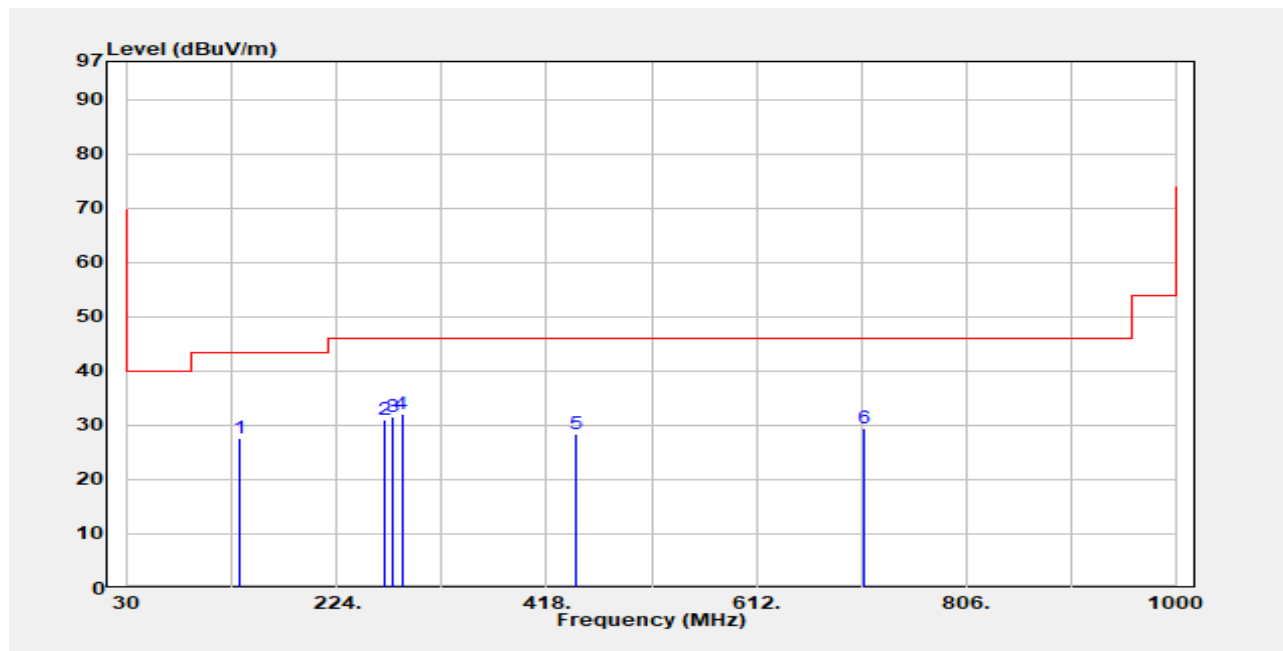
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5580 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 133.47       | Peak                         | 39.69                             | -11.99       | 27.70                  | 43.50                  | -15.80       |
| 267.65       | Peak                         | 40.55                             | -9.43        | 31.13                  | 46.00                  | -14.87       |
| 275.73       | Peak                         | 41.15                             | -9.55        | 31.60                  | 46.00                  | -14.40       |
| 283.82       | Peak                         | 41.46                             | -9.40        | 32.06                  | 46.00                  | -13.94       |
| 445.48       | Peak                         | 34.30                             | -6.04        | 28.26                  | 46.00                  | -17.74       |
| 712.23       | Peak                         | 32.65                             | -3.23        | 29.42                  | 46.00                  | -16.58       |

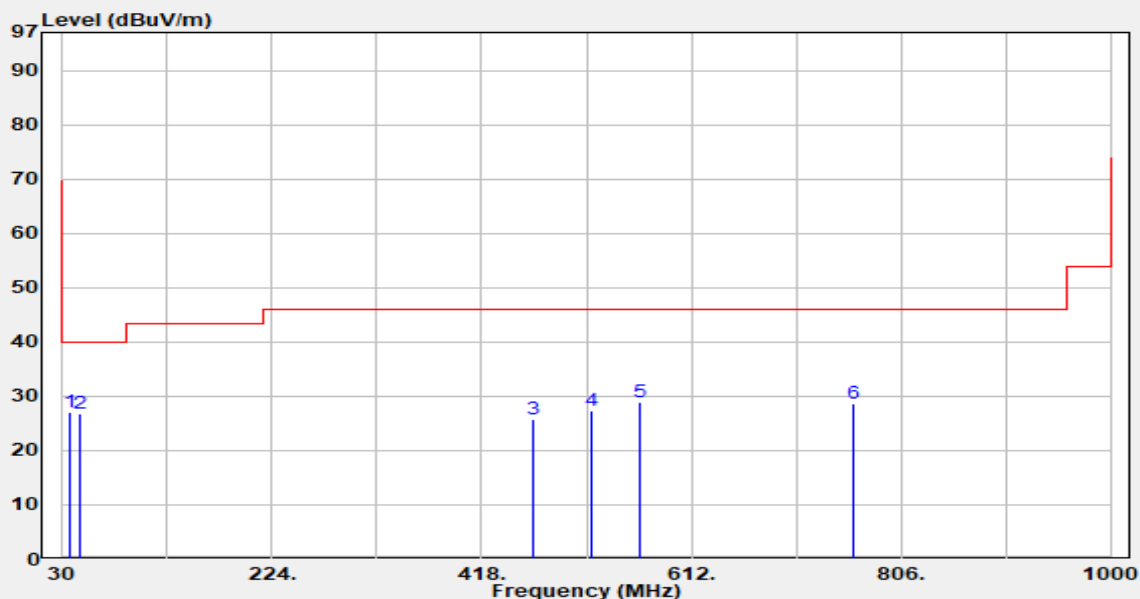
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5785 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 35.39                             | -8.33        | 27.06                  | 40.00                  | -12.94       |
| 46.17        | Peak                         | 40.50                             | -13.82       | 26.69                  | 40.00                  | -13.31       |
| 466.50       | Peak                         | 31.61                             | -5.85        | 25.76                  | 46.00                  | -20.24       |
| 519.85       | Peak                         | 32.55                             | -5.17        | 27.38                  | 46.00                  | -18.62       |
| 565.12       | Peak                         | 33.38                             | -4.58        | 28.80                  | 46.00                  | -17.20       |
| 762.35       | Peak                         | 30.52                             | -1.91        | 28.61                  | 46.00                  | -17.39       |

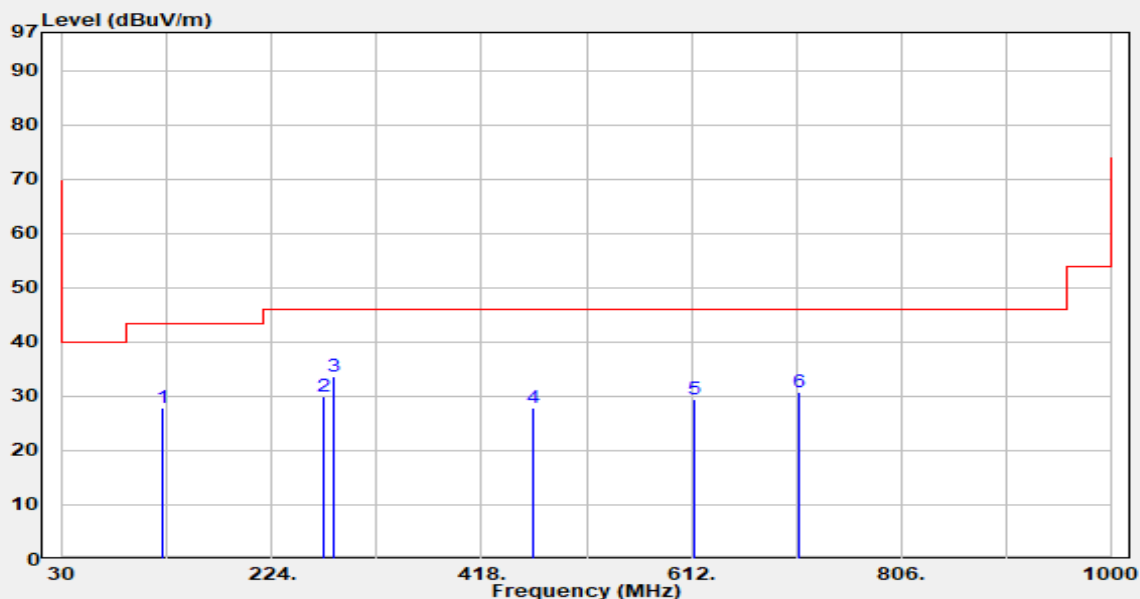
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5785 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 122.15       | Peak                         | 39.59                             | -11.61       | 27.98                  | 43.50                  | -15.52       |
| 272.50       | Peak                         | 39.53                             | -9.60        | 29.93                  | 46.00                  | -16.07       |
| 280.58       | Peak                         | 42.96                             | -9.42        | 33.54                  | 46.00                  | -12.46       |
| 466.50       | Peak                         | 33.71                             | -5.85        | 27.86                  | 46.00                  | -18.14       |
| 615.23       | Peak                         | 33.13                             | -3.75        | 29.37                  | 46.00                  | -16.63       |
| 712.23       | Peak                         | 33.87                             | -3.23        | 30.64                  | 46.00                  | -15.36       |

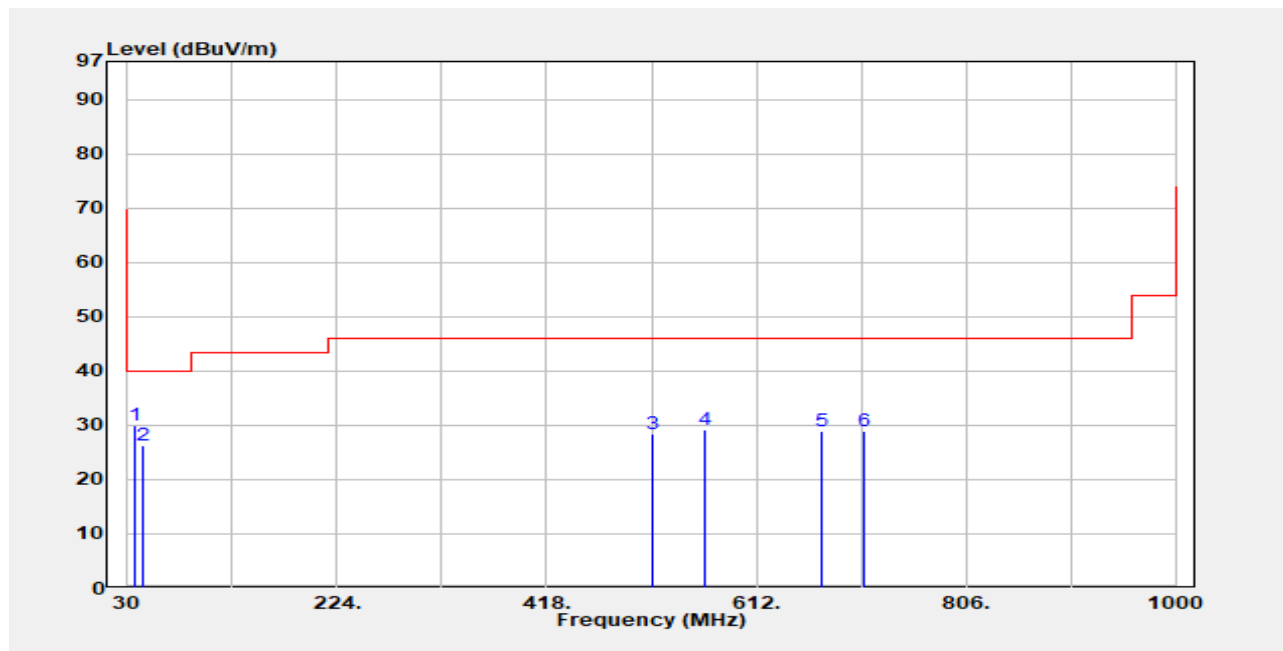
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Rx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 36.47        | Peak                         | 38.38                                   | -8.33        | 30.05                        | 40.00                        | -9.95        |
| 44.55        | Peak                         | 39.20                                   | -12.91       | 26.29                        | 40.00                        | -13.71       |
| 516.62       | Peak                         | 33.86                                   | -5.38        | 28.48                        | 46.00                        | -17.52       |
| 565.12       | Peak                         | 33.65                                   | -4.58        | 29.07                        | 46.00                        | -16.93       |
| 671.82       | Peak                         | 31.66                                   | -2.87        | 28.79                        | 46.00                        | -17.21       |
| 712.23       | Peak                         | 32.08                                   | -3.23        | 28.85                        | 46.00                        | -17.15       |

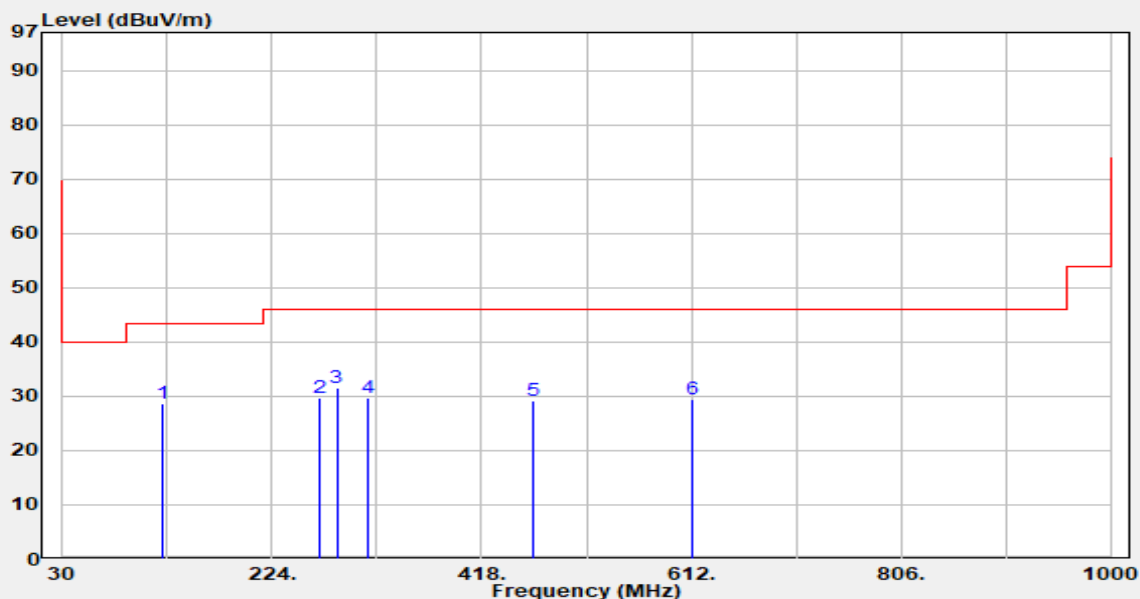
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Rx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 122.15       | Peak                         | 40.16                             | -11.61       | 28.55                  | 43.50                  | -14.95       |
| 267.65       | Peak                         | 39.10                             | -9.43        | 29.68                  | 46.00                  | -16.32       |
| 283.82       | Peak                         | 40.92                             | -9.40        | 31.52                  | 46.00                  | -14.48       |
| 312.92       | Peak                         | 38.52                             | -8.91        | 29.61                  | 46.00                  | -16.39       |
| 466.50       | Peak                         | 35.06                             | -5.85        | 29.21                  | 46.00                  | -16.79       |
| 613.62       | Peak                         | 33.20                             | -3.64        | 29.56                  | 46.00                  | -16.44       |

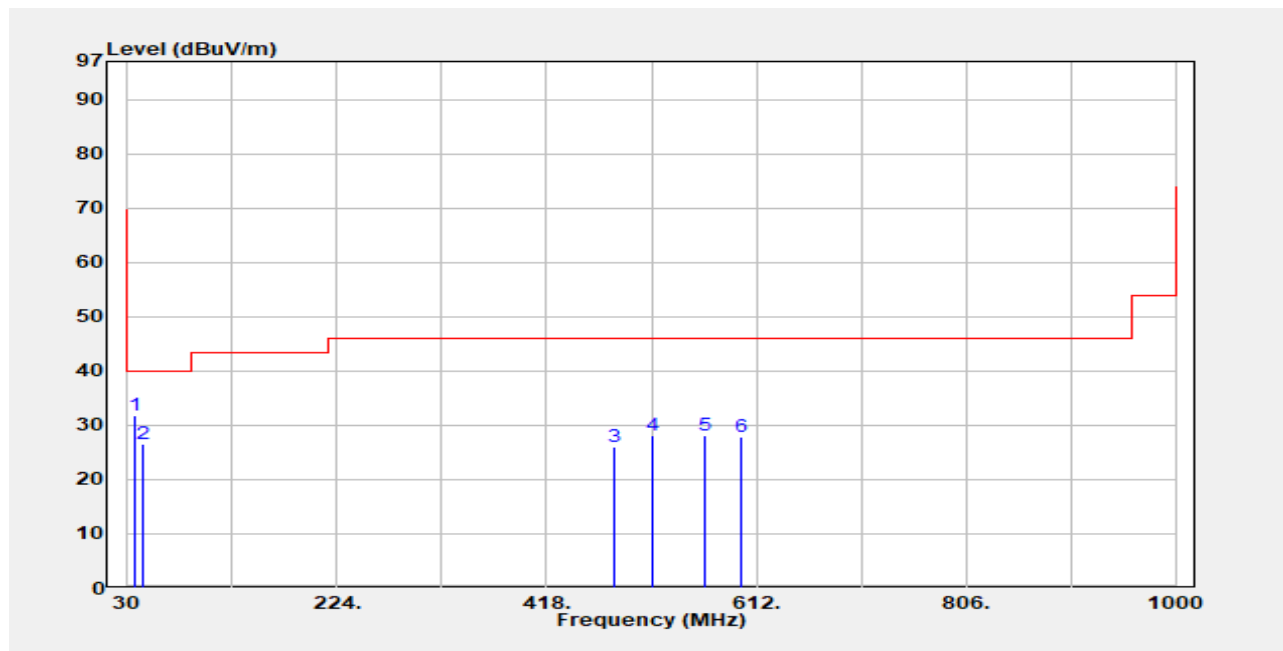
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Rx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 40.05                             | -8.33        | 31.72                  | 40.00                  | -8.28        |
| 44.55        | Peak                         | 39.55                             | -12.91       | 26.64                  | 40.00                  | -13.36       |
| 481.05       | Peak                         | 31.51                             | -5.37        | 26.14                  | 46.00                  | -19.86       |
| 516.62       | Peak                         | 33.50                             | -5.38        | 28.12                  | 46.00                  | -17.88       |
| 565.12       | Peak                         | 32.83                             | -4.58        | 28.25                  | 46.00                  | -17.75       |
| 597.45       | Peak                         | 31.27                             | -3.46        | 27.81                  | 46.00                  | -18.19       |

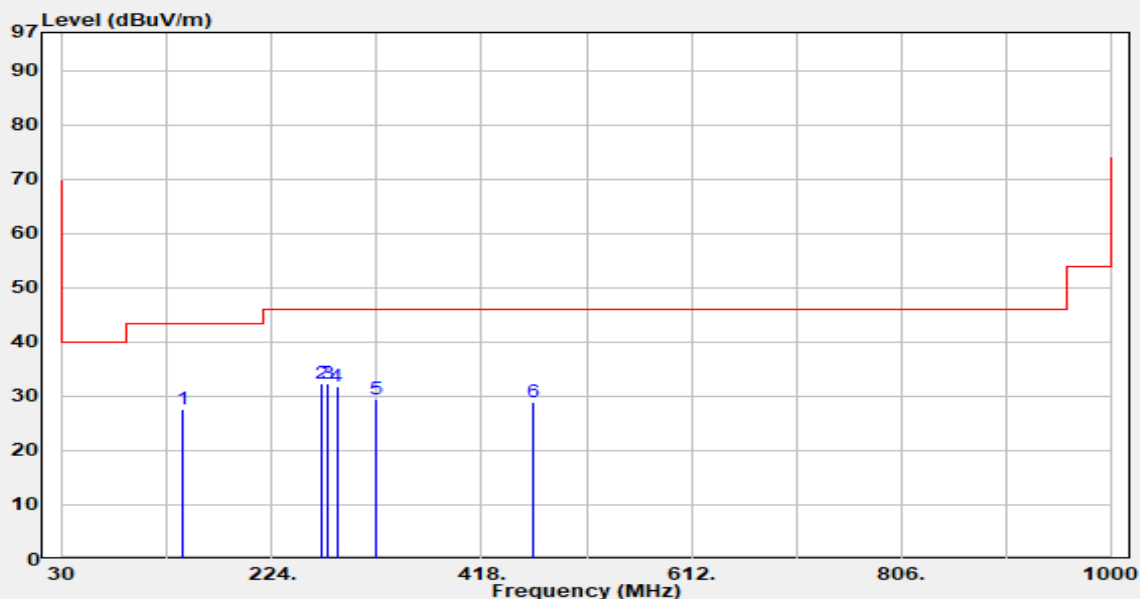
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Rx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 141.55       | Peak                         | 39.90                             | -12.36       | 27.54                  | 43.50                  | -15.96       |
| 269.27       | Peak                         | 41.82                             | -9.57        | 32.25                  | 46.00                  | -13.75       |
| 275.73       | Peak                         | 41.92                             | -9.55        | 32.36                  | 46.00                  | -13.64       |
| 283.82       | Peak                         | 41.19                             | -9.40        | 31.79                  | 46.00                  | -14.21       |
| 319.38       | Peak                         | 37.89                             | -8.52        | 29.36                  | 46.00                  | -16.64       |
| 466.50       | Peak                         | 34.88                             | -5.85        | 29.03                  | 46.00                  | -16.97       |

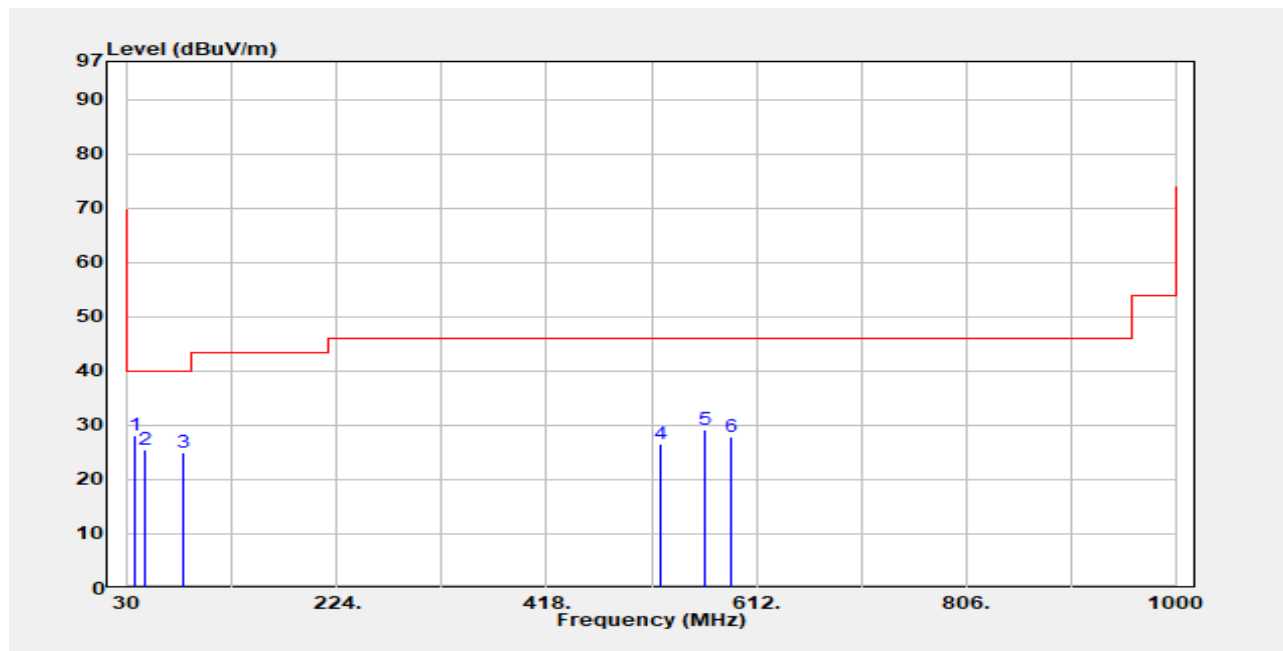
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 36.54                             | -8.33        | 28.21                  | 40.00                  | -11.79       |
| 46.17        | Peak                         | 39.41                             | -13.82       | 25.60                  | 40.00                  | -14.40       |
| 81.73        | Peak                         | 41.37                             | -16.47       | 24.90                  | 40.00                  | -15.10       |
| 523.08       | Peak                         | 31.91                             | -5.23        | 26.68                  | 46.00                  | -19.32       |
| 565.12       | Peak                         | 33.85                             | -4.58        | 29.27                  | 46.00                  | -16.73       |
| 589.37       | Peak                         | 31.78                             | -3.95        | 27.83                  | 46.00                  | -18.17       |

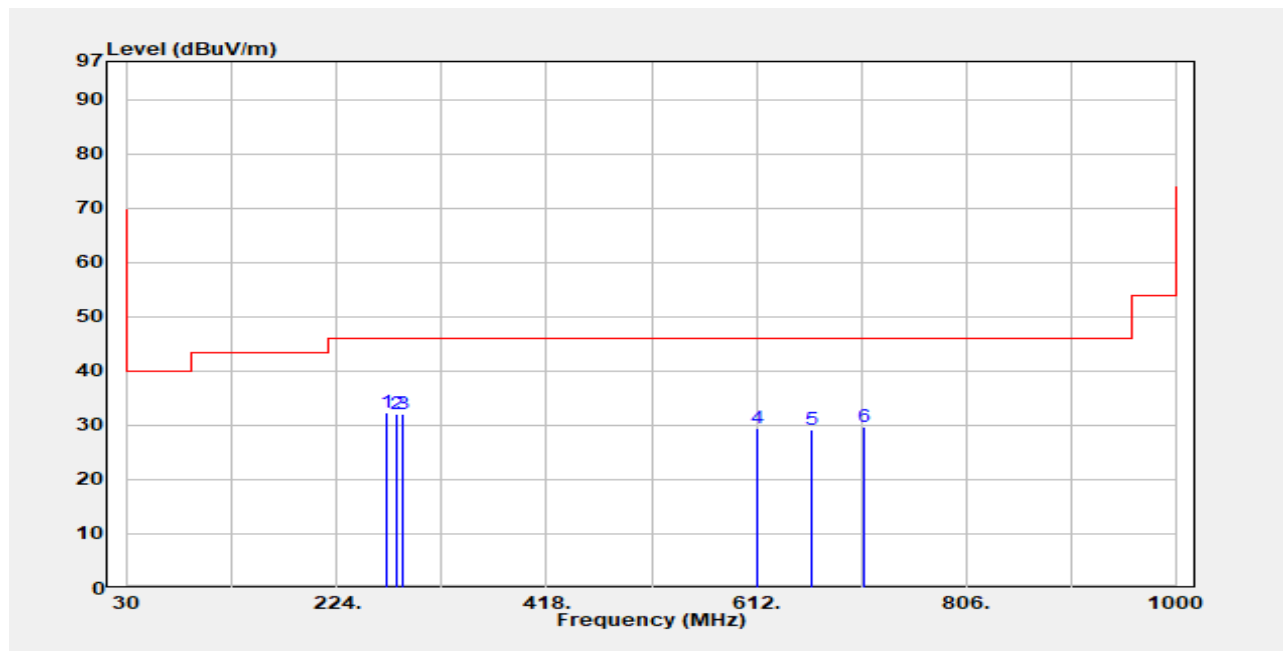
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 269.27       | Peak                         | 41.98                             | -9.57        | 32.41                  | 46.00                  | -13.59       |
| 278.97       | Peak                         | 41.40                             | -9.45        | 31.94                  | 46.00                  | -14.06       |
| 285.43       | Peak                         | 41.32                             | -9.38        | 31.94                  | 46.00                  | -14.06       |
| 613.62       | Peak                         | 33.21                             | -3.64        | 29.57                  | 46.00                  | -16.43       |
| 663.73       | Peak                         | 32.53                             | -3.30        | 29.23                  | 46.00                  | -16.77       |
| 712.23       | Peak                         | 32.83                             | -3.23        | 29.60                  | 46.00                  | -16.40       |

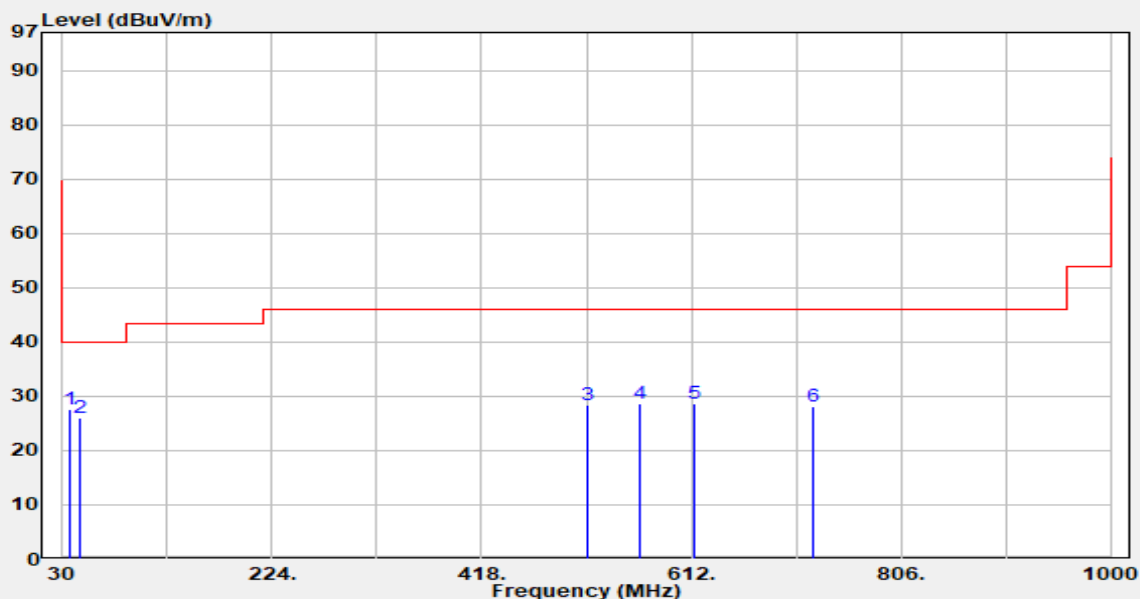
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Rx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :VERTICAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 36.47        | Peak                         | 35.90                             | -8.33        | 27.57                  | 40.00                  | -12.43       |
| 46.17        | Peak                         | 39.97                             | -13.82       | 26.15                  | 40.00                  | -13.85       |
| 516.62       | Peak                         | 33.67                             | -5.38        | 28.30                  | 46.00                  | -17.70       |
| 565.12       | Peak                         | 33.14                             | -4.58        | 28.56                  | 46.00                  | -17.44       |
| 615.23       | Peak                         | 32.34                             | -3.75        | 28.59                  | 46.00                  | -17.41       |
| 725.17       | Peak                         | 31.09                             | -2.98        | 28.11                  | 46.00                  | -17.89       |

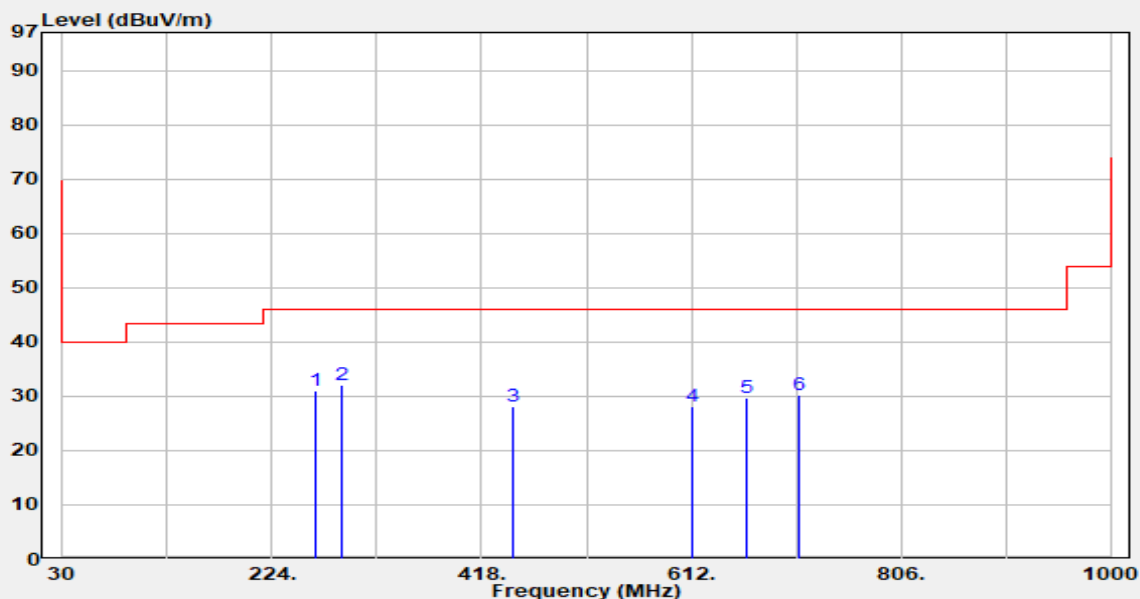
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Rx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 264.42       | Peak                         | 40.05                             | -9.14        | 30.91                  | 46.00                  | -15.09       |
| 288.67       | Peak                         | 41.41                             | -9.30        | 32.12                  | 46.00                  | -13.88       |
| 447.10       | Peak                         | 34.28                             | -6.05        | 28.24                  | 46.00                  | -17.76       |
| 613.62       | Peak                         | 31.89                             | -3.64        | 28.25                  | 46.00                  | -17.75       |
| 663.73       | Peak                         | 32.88                             | -3.30        | 29.58                  | 46.00                  | -16.42       |
| 712.23       | Peak                         | 33.40                             | -3.23        | 30.17                  | 46.00                  | -15.83       |

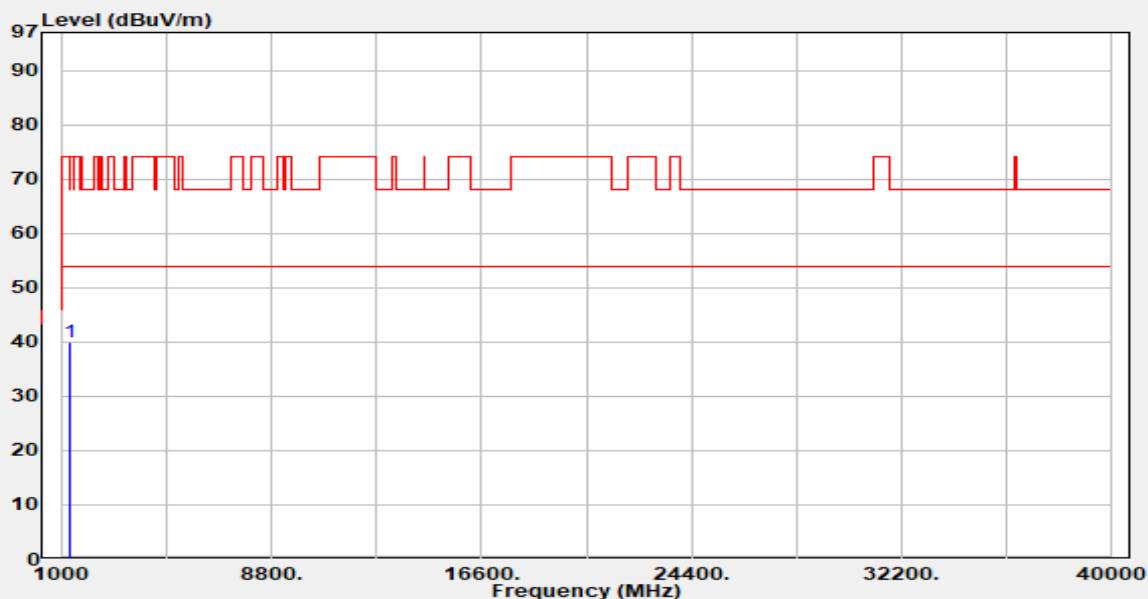
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5220 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1294.00      | Peak                         | 44.84                             | -4.83        | 40.01                  | 68.20                  | -28.19       |

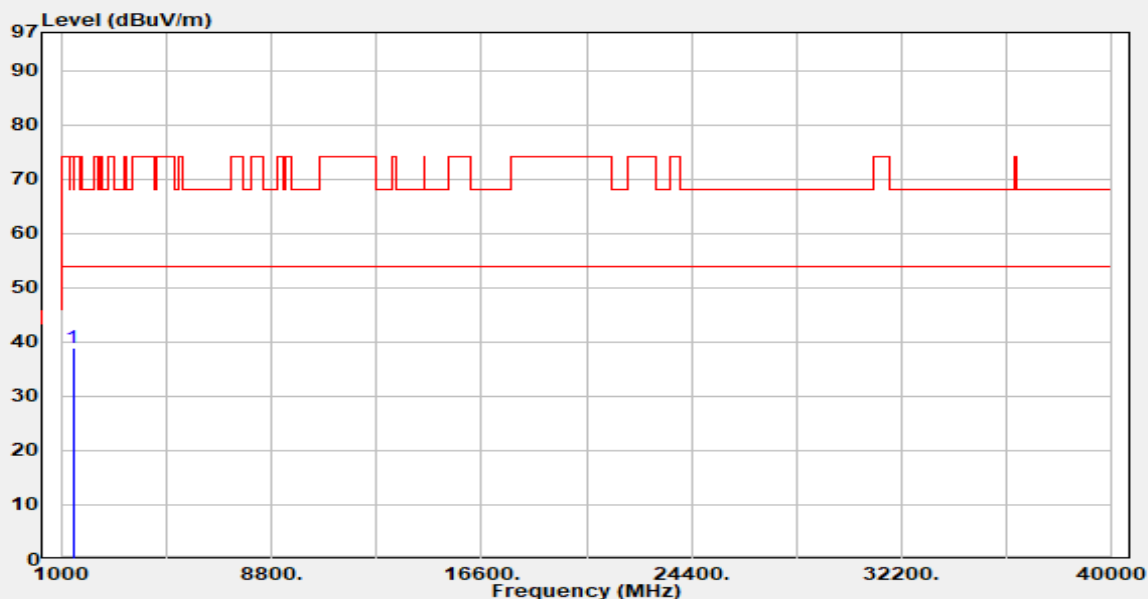
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5220 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1384.00      | Peak                         | 43.43                             | -4.41        | 39.02                  | 74.00                  | -34.98       |

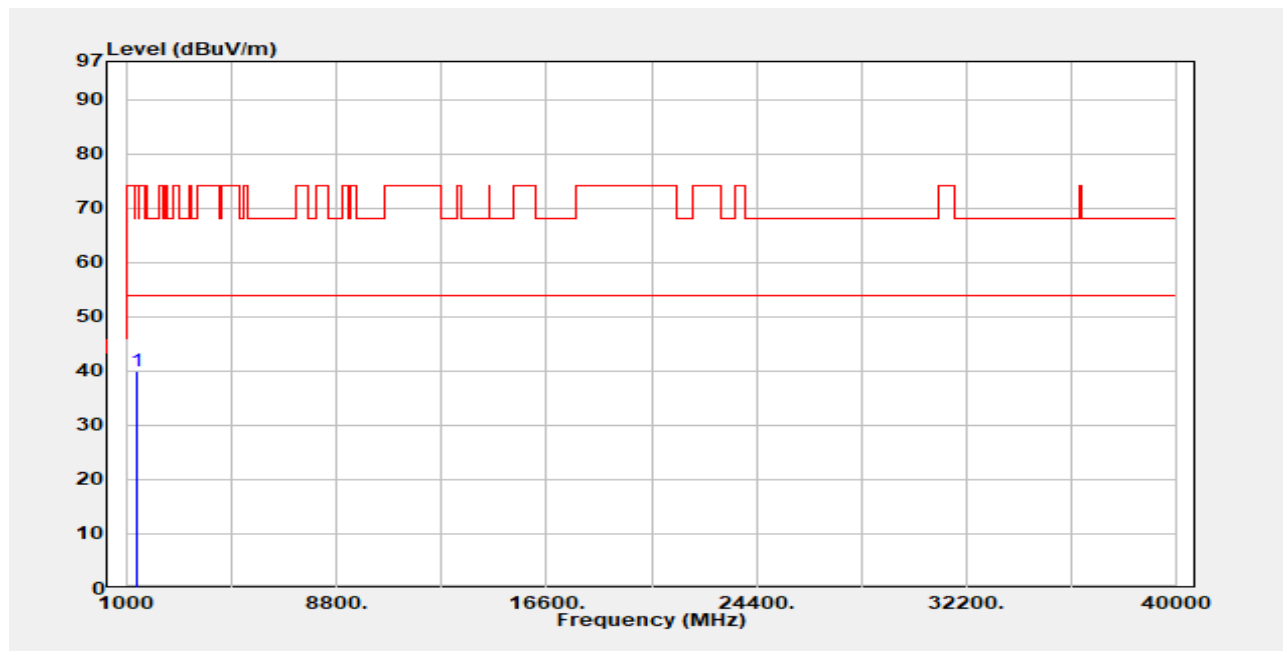
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5300 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1312.00      | Peak                         | 44.59                             | -4.68        | 39.91                  | 74.00                  | -34.09       |

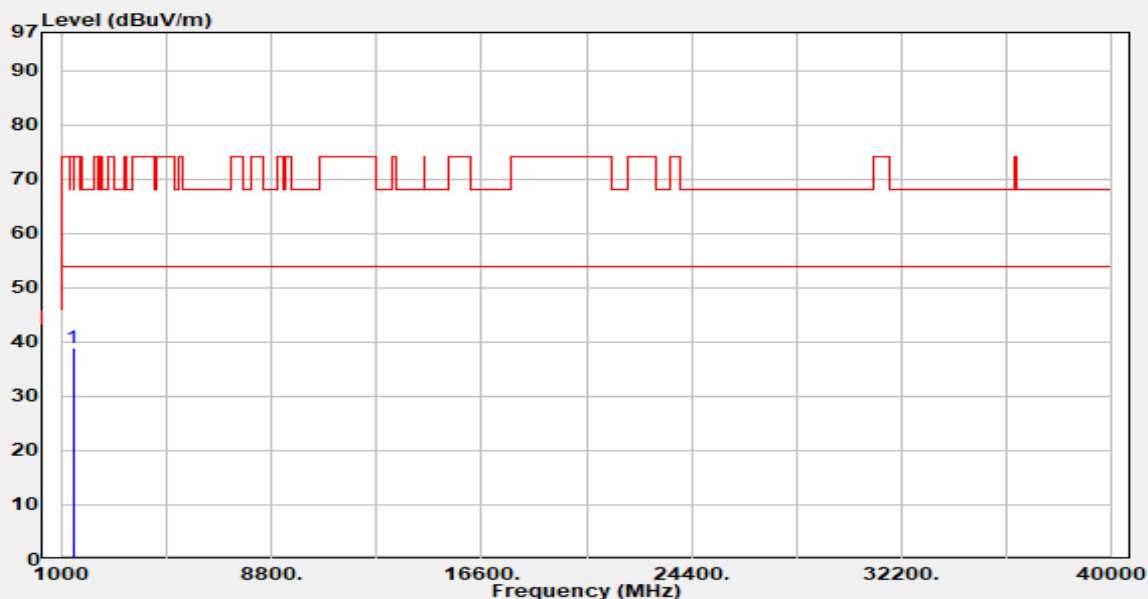
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5300 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1384.00      | Peak                         | 43.35                             | -4.41        | 38.95                  | 74.00                  | -35.05       |

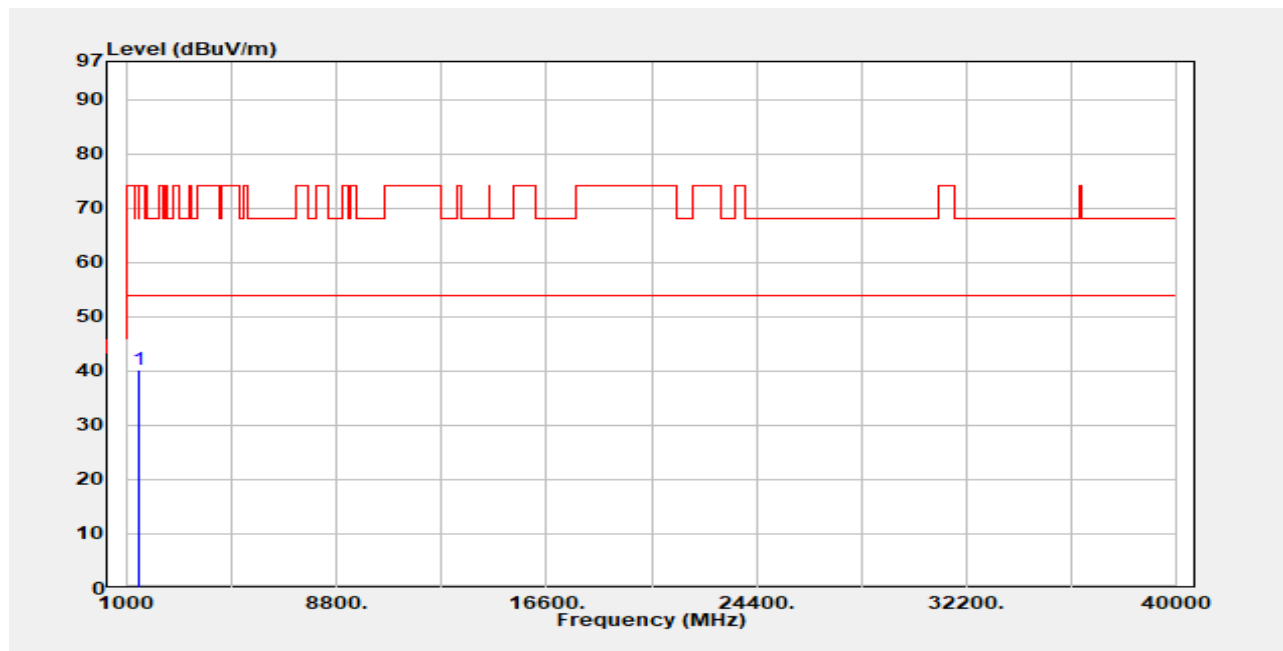
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5580 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1390.00      | Peak                         | 44.57                             | -4.41        | 40.17                  | 74.00                  | -33.83       |

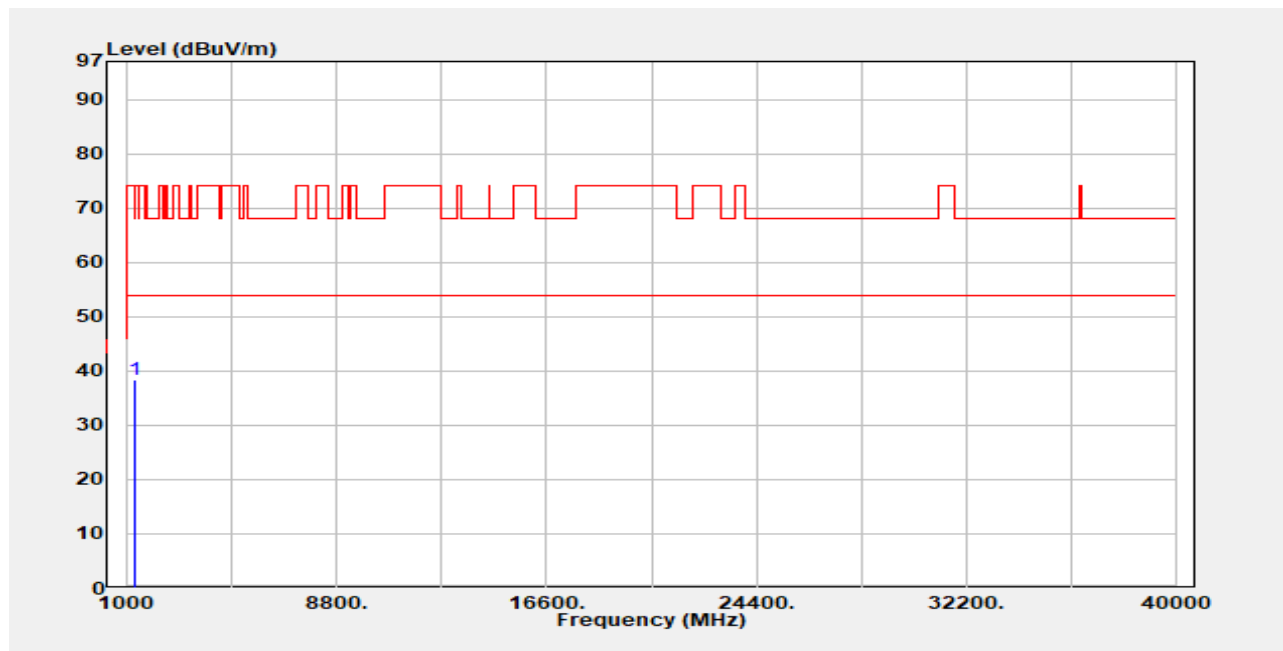
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5580 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1288.00      | Peak                         | 43.38                             | -4.90        | 38.48                  | 68.20                  | -29.72       |

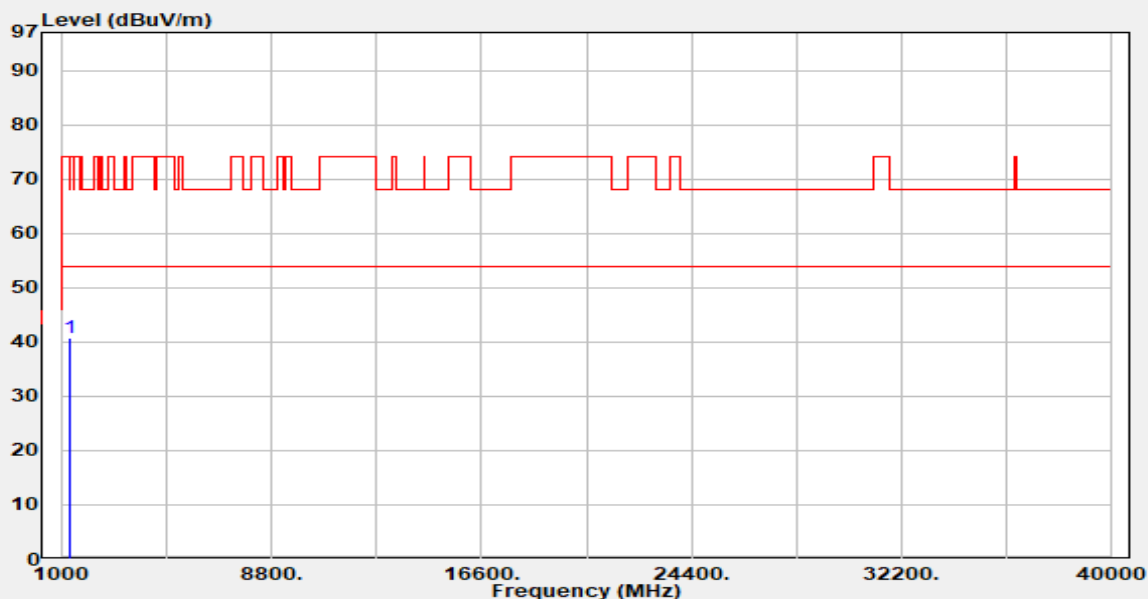
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5785 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1294.00      | Peak                         | 45.46                             | -4.83        | 40.63                  | 68.20                  | -27.57       |

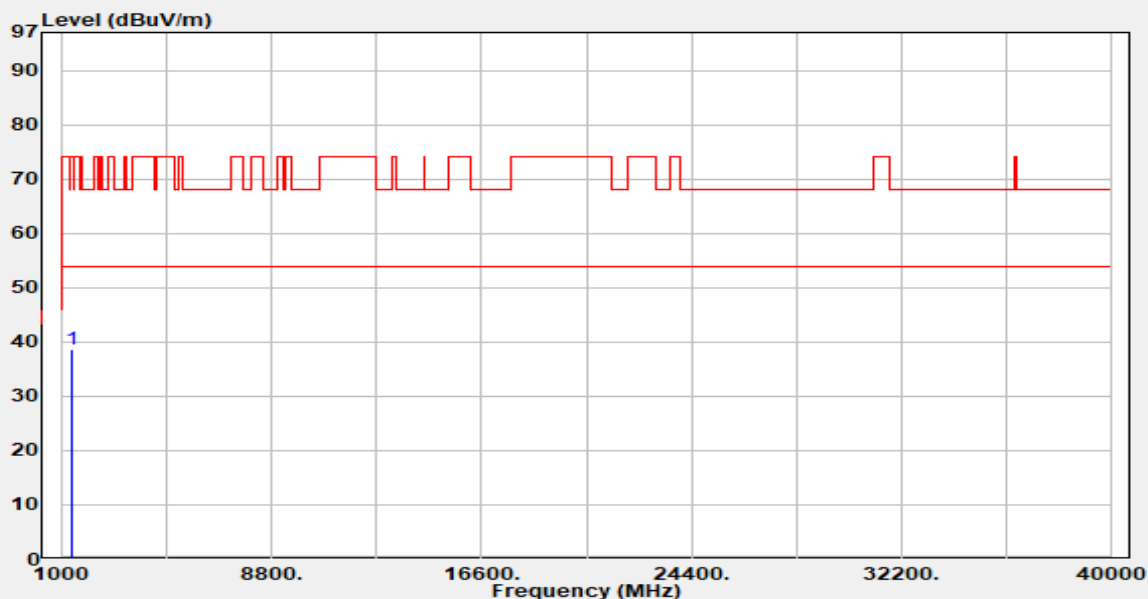
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Report Number :ER/2021/C0041  
 Operation Mode :802.11a  
 Test Frequency :5785 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1342.00      | Peak                         | 43.07                             | -4.46        | 38.60                  | 74.00                  | -35.40       |

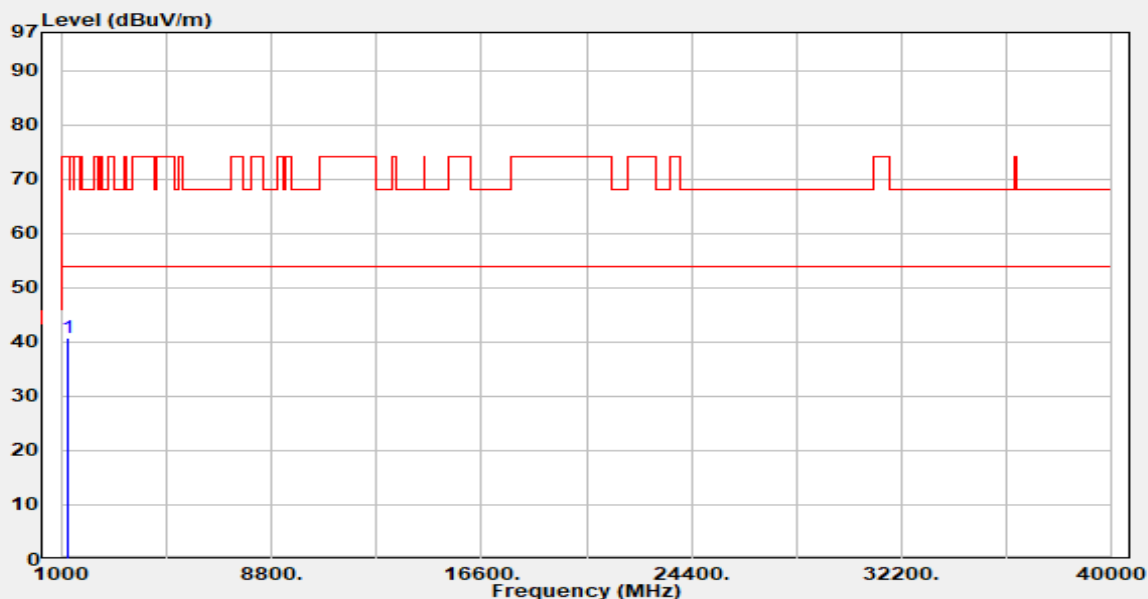
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Rx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 1198.00      | Peak                         | 46.44                                   | -5.63        | 40.81                        | 74.00                        | -33.19       |

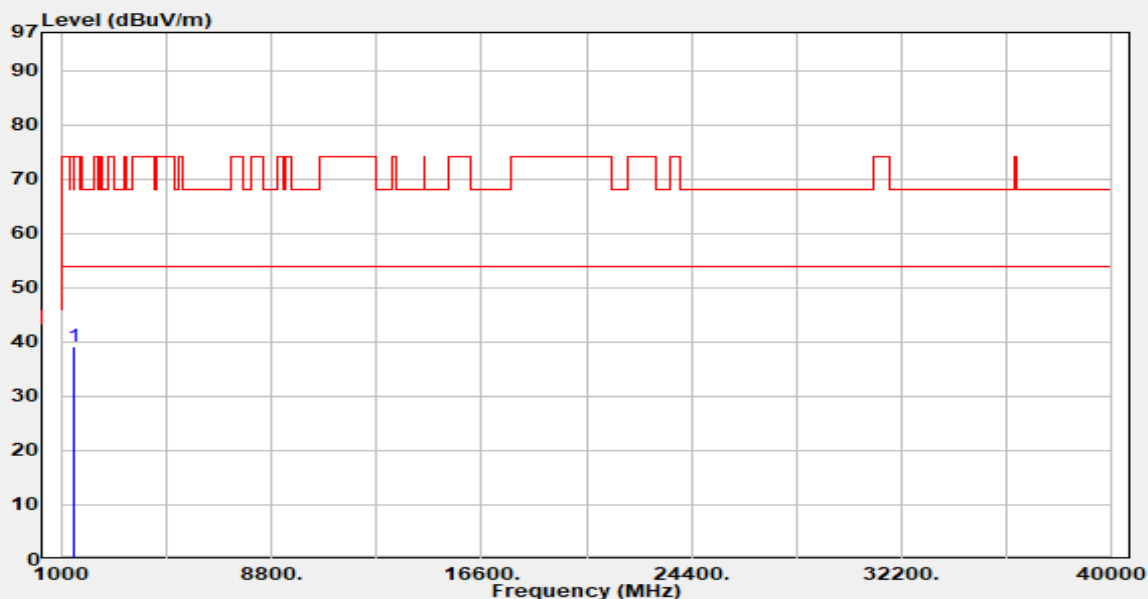
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5210 MHz  
 Test Mode :Rx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 1390.00      | Peak                         | 43.62                                   | -4.41        | 39.21                        | 74.00                        | -34.79       |

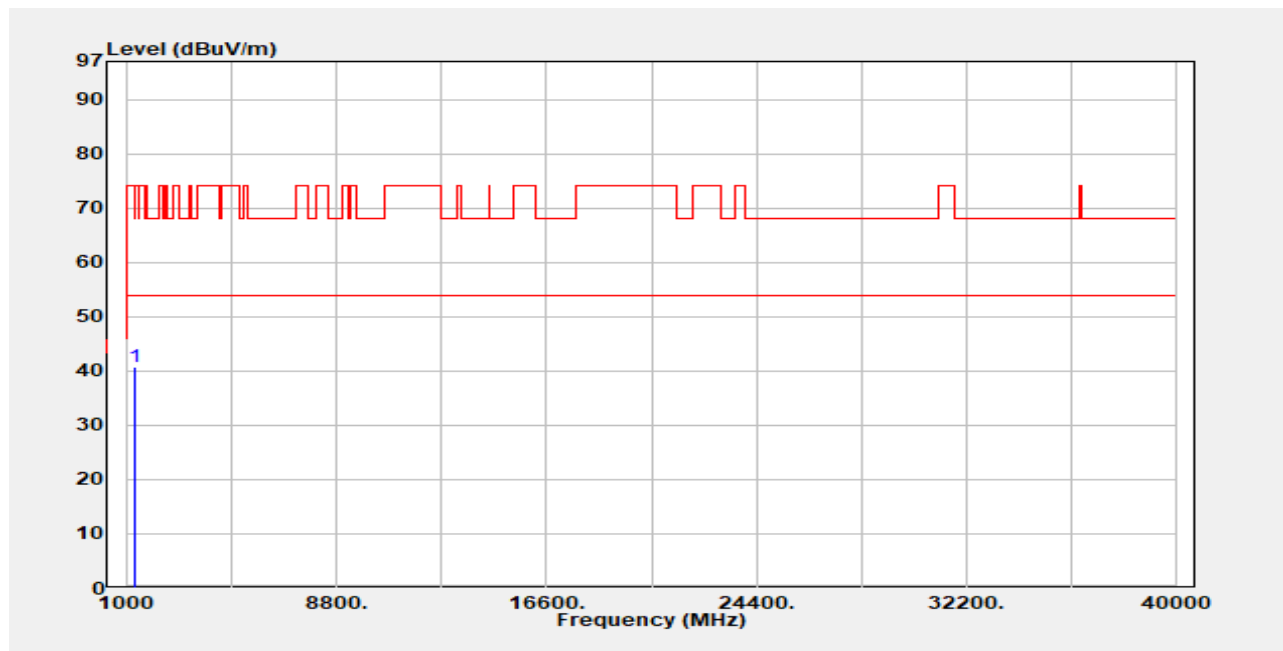
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Rx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1294.00      | Peak                         | 45.69                             | -4.83        | 40.86                  | 68.20                  | -27.34       |

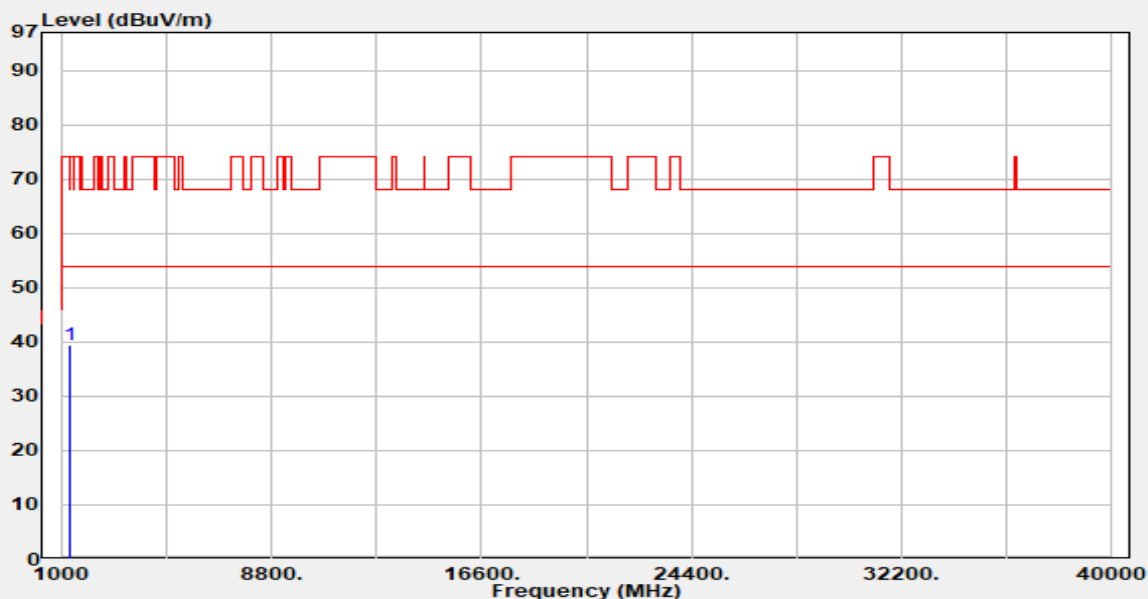
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5290 MHz  
 Test Mode :Rx CH High  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 1300.00      | Peak                         | 44.07                                   | -4.77        | 39.31                        | 68.20                        | -28.89       |

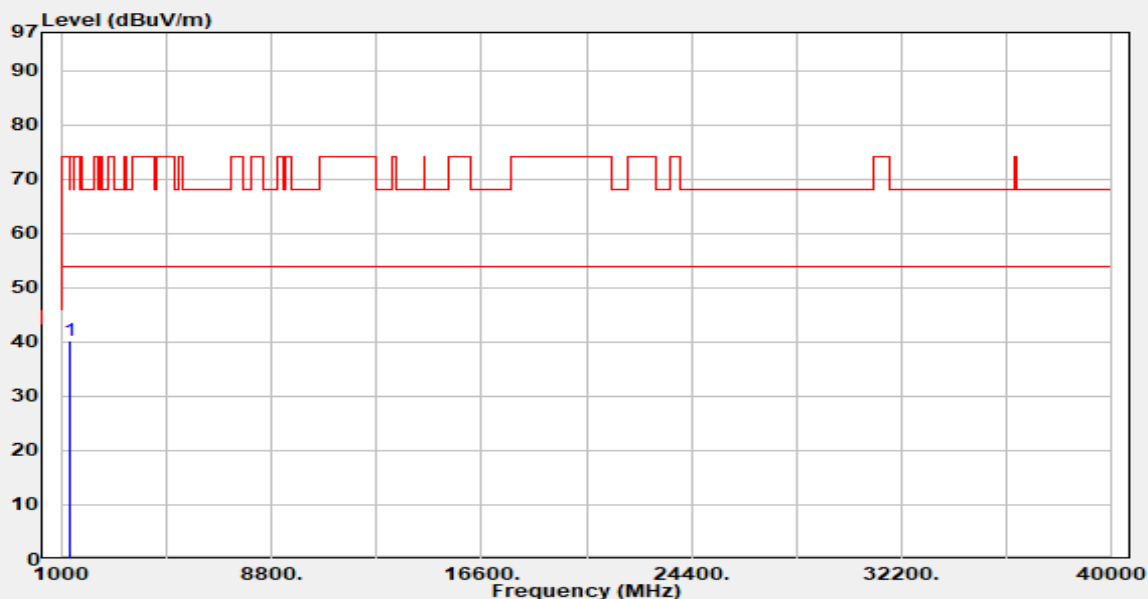
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1300.00      | Peak                         | 44.93                             | -4.77        | 40.17                  | 68.20                  | -28.03       |

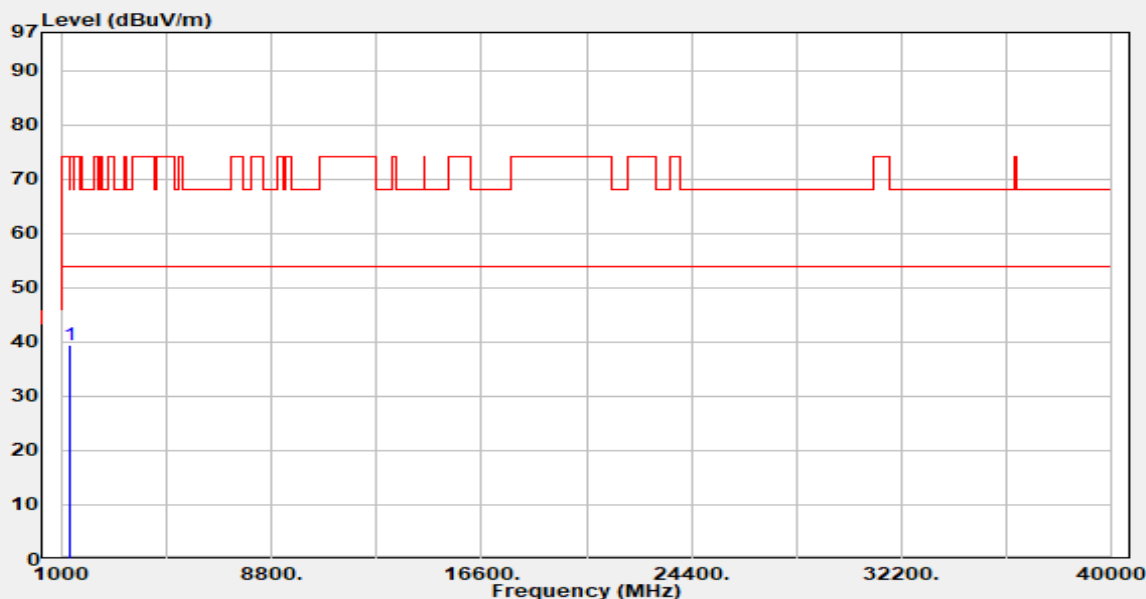
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5610 MHz  
 Test Mode :Rx CH Mid  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1288.00      | Peak                         | 44.44                             | -4.90        | 39.55                  | 68.20                  | -28.65       |

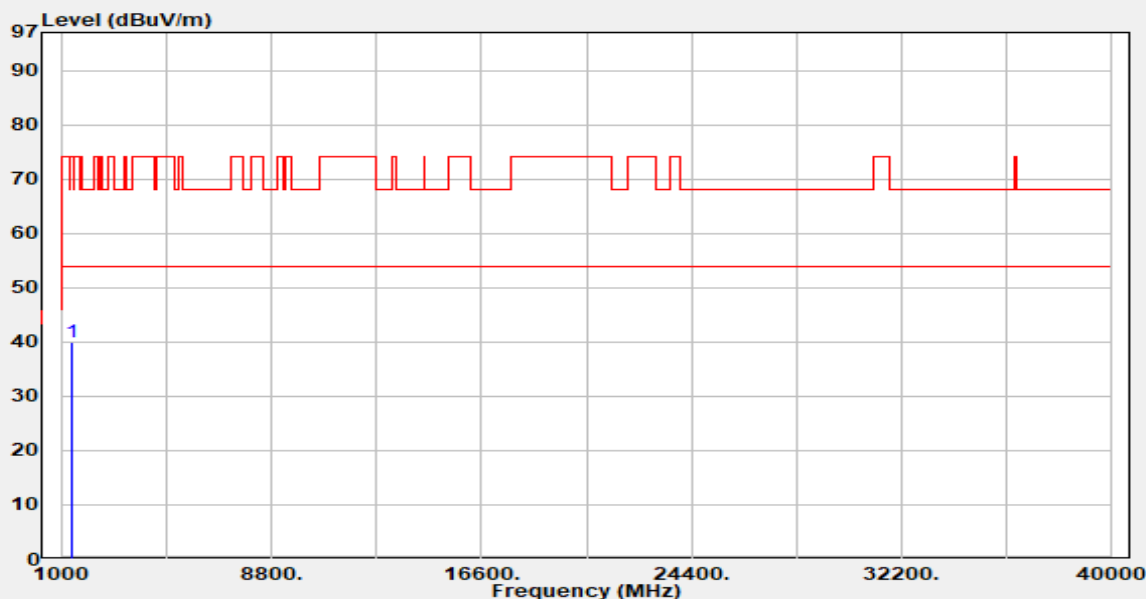
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Rx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Vertical  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 1318.00      | Peak                         | 44.63                                   | -4.64        | 39.99                        | 74.00                        | -34.01       |

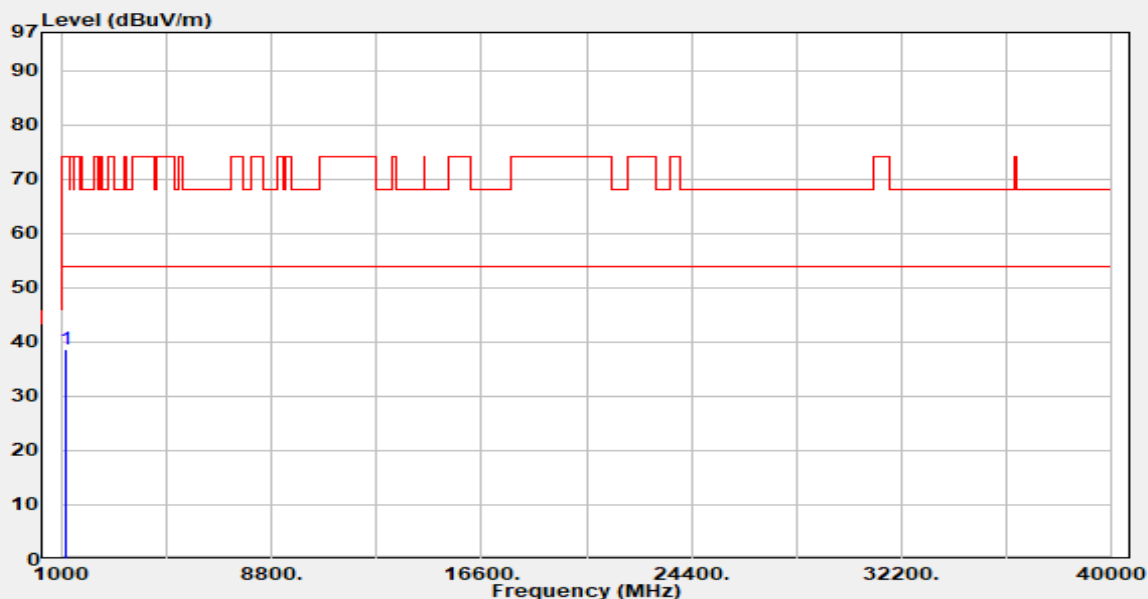
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Report Number :ER/2021/C0041  
 Operation Mode :802.11ac80  
 Test Frequency :5775 MHz  
 Test Mode :Rx CH Low  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.3/66  
 Antenna Pol. :Horizontal  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1090.00      | Peak                         | 45.50                             | -6.73        | 38.77                  | 74.00                  | -35.23       |

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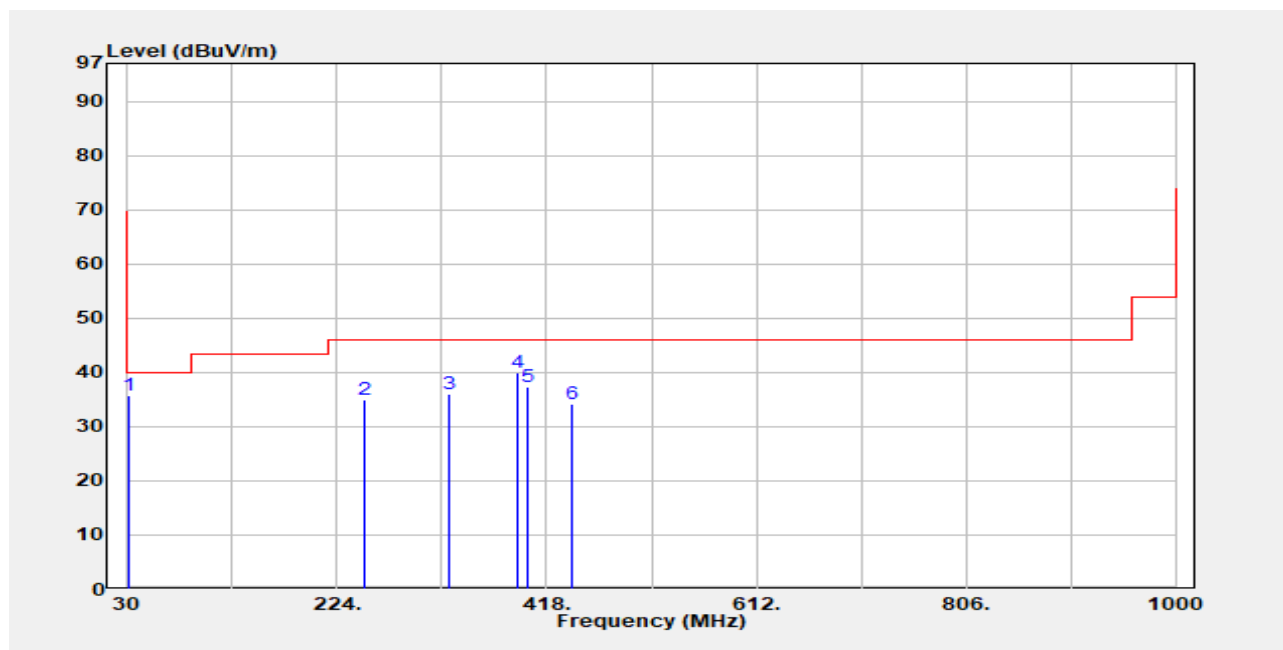
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## 12.9 Fully System

Report Number :ER/2021/C0038  
Operation Mode :System  
Test Frequency :System  
Test Mode :System  
EUT Pol :E2 Plane

Test Site :SAC 1  
Test Date :2022-01-06  
Temp./Humi. :23.7/64  
Antenna Pol. :VERTICAL  
Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 31.62        | Peak                         | 41.70                             | -6.01        | 35.70                  | 40.00                  | -4.30        |
| 249.87       | Peak                         | 45.11                             | -10.05       | 35.06                  | 46.00                  | -10.94       |
| 327.47       | Peak                         | 44.74                             | -8.70        | 36.04                  | 46.00                  | -9.96        |
| 390.52       | Peak                         | 47.51                             | -7.46        | 40.05                  | 46.00                  | -5.95        |
| 400.22       | Peak                         | 44.18                             | -6.91        | 37.27                  | 46.00                  | -8.73        |
| 442.25       | Peak                         | 40.68                             | -6.39        | 34.29                  | 46.00                  | -11.71       |

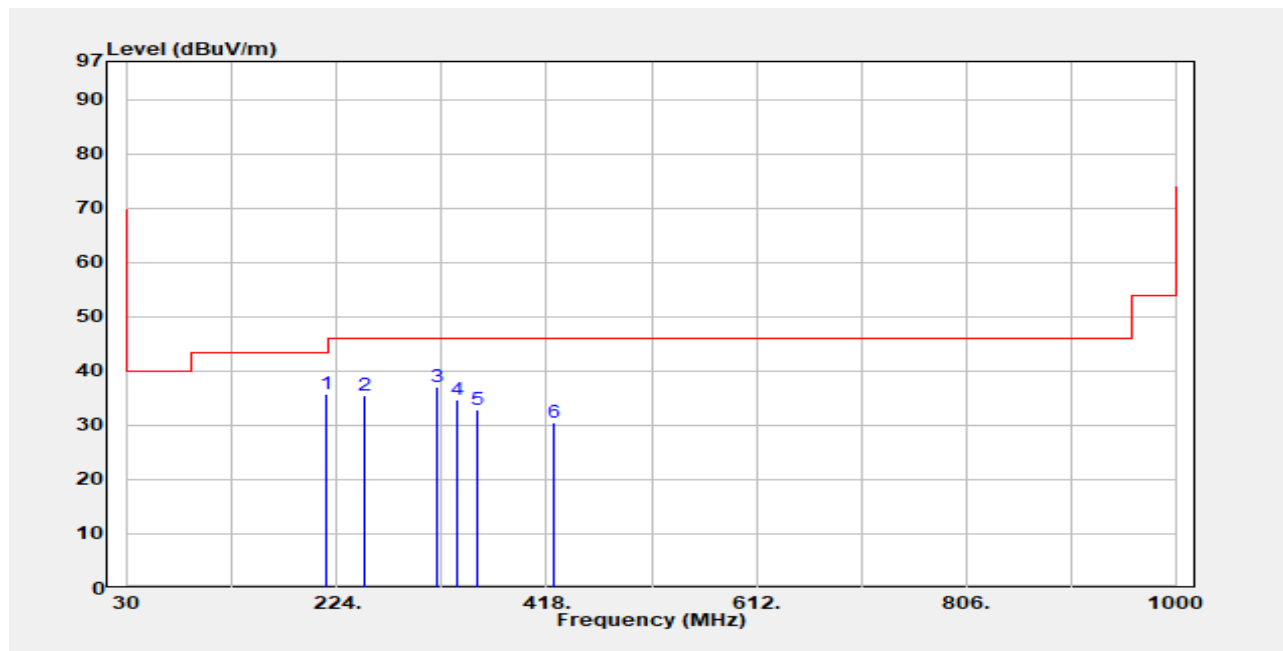
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Report Number :ER/2021/C0038  
 Operation Mode :System  
 Test Frequency :System  
 Test Mode :System  
 EUT Pol :E2 Plane

Test Site :SAC 1  
 Test Date :2022-01-06  
 Temp./Humi. :23.7/64  
 Antenna Pol. :HORIZONTAL  
 Engineer :GN Lin



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 214.30       | Peak                         | 49.52                             | -13.84       | 35.68                  | 43.50                  | -7.82        |
| 249.87       | Peak                         | 45.56                             | -10.05       | 35.50                  | 46.00                  | -10.50       |
| 316.15       | Peak                         | 46.01                             | -9.01        | 37.00                  | 46.00                  | -9.00        |
| 335.55       | Peak                         | 43.27                             | -8.49        | 34.78                  | 46.00                  | -11.22       |
| 353.33       | Peak                         | 40.78                             | -8.04        | 32.74                  | 46.00                  | -13.26       |
| 424.47       | Peak                         | 37.15                             | -6.61        | 30.54                  | 46.00                  | -15.46       |

~ End of Report ~

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