

## 4.5 CONDUCTED BANDEDGE AND SPURIOUS EMISSION

### 4.5.1 Test Limit

According to §15.247(d) and RSS-247 section 5.5,

In any 100 kHz bandwidth outside the authorized frequency band,

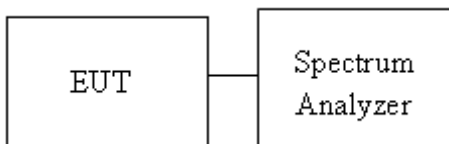
Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

### 4.5.2 Test Procedure

Test method Refer as KDB 662911 D01, KDB 558074 D01.

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

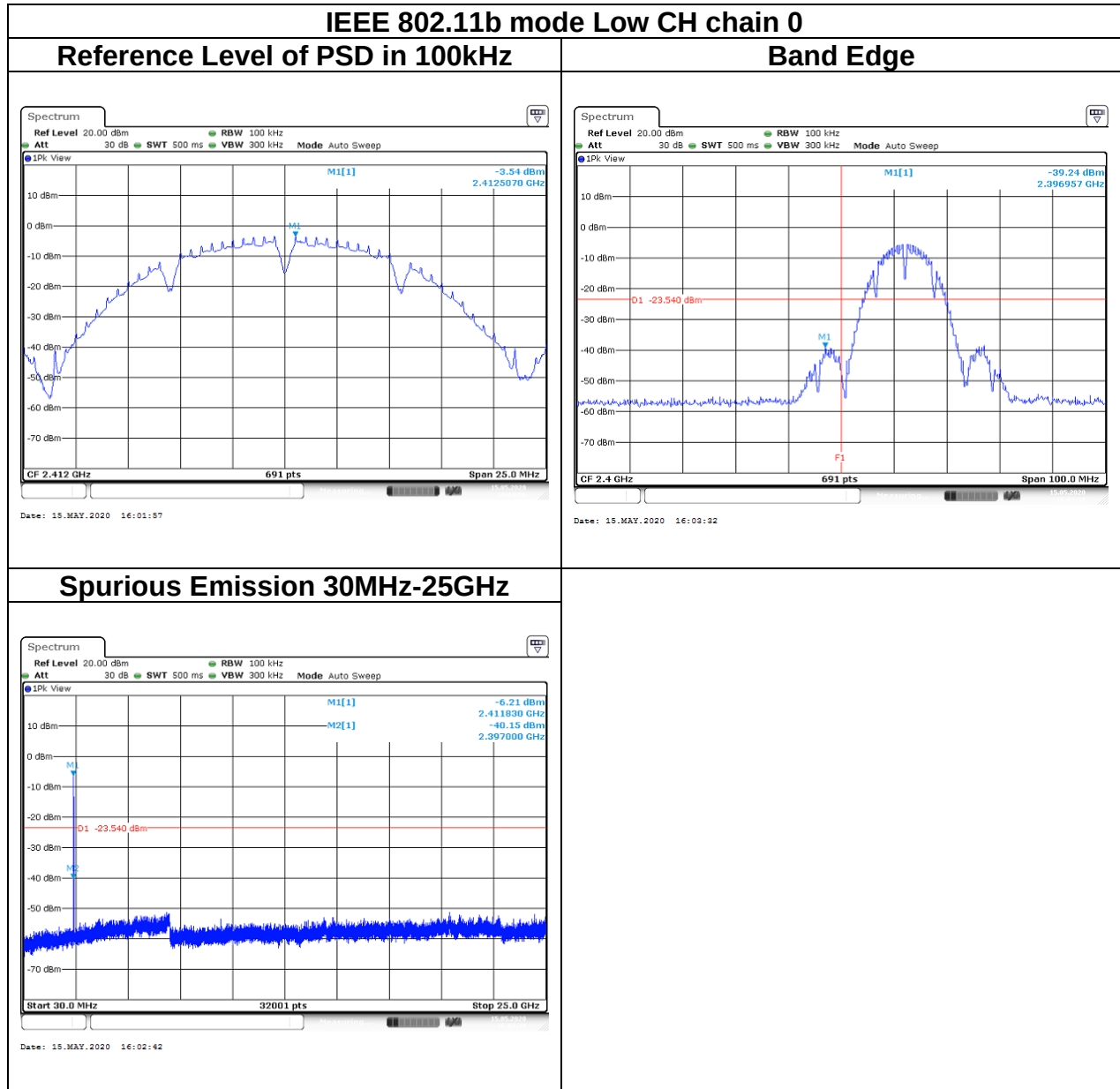
### 4.5.3 Test Setup



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## 4.5.4 Test Result

### Test Data

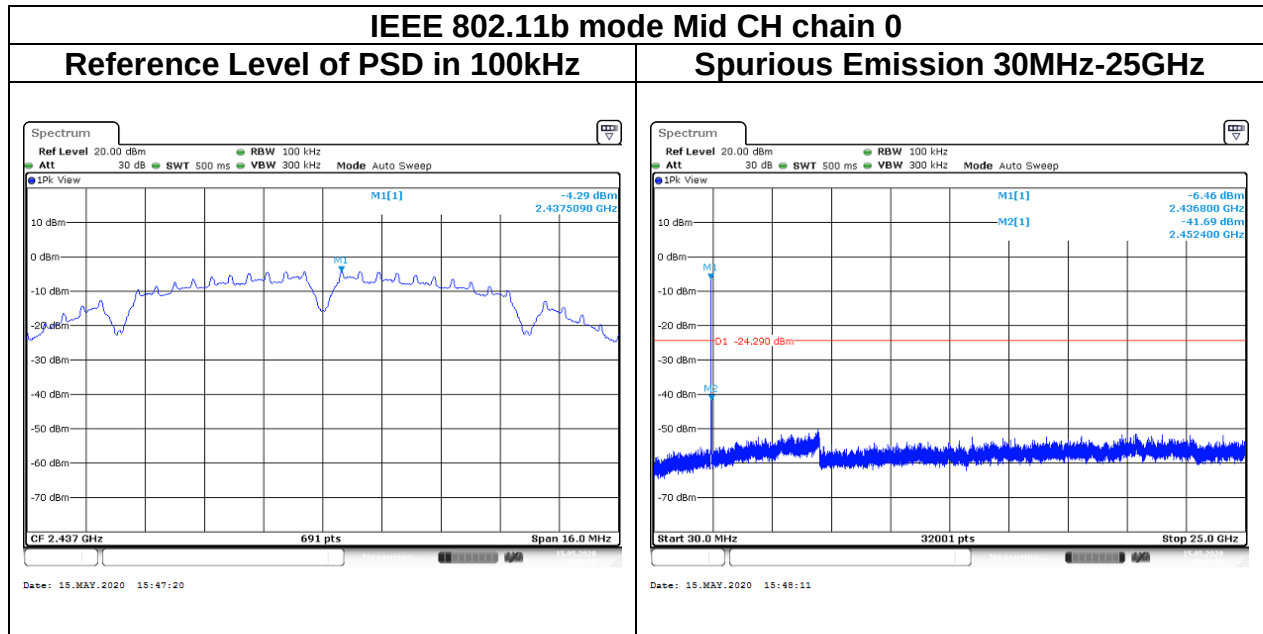




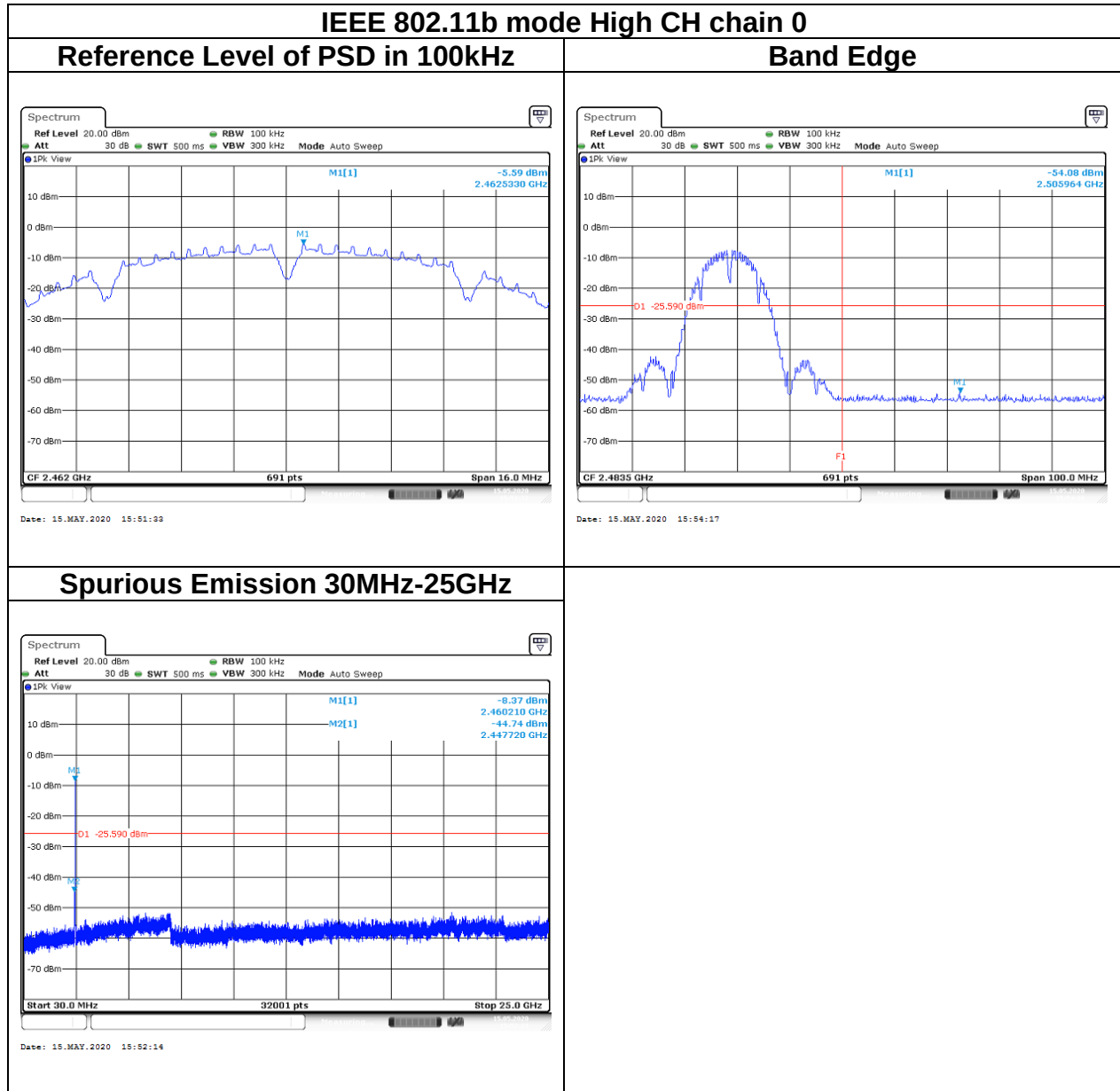
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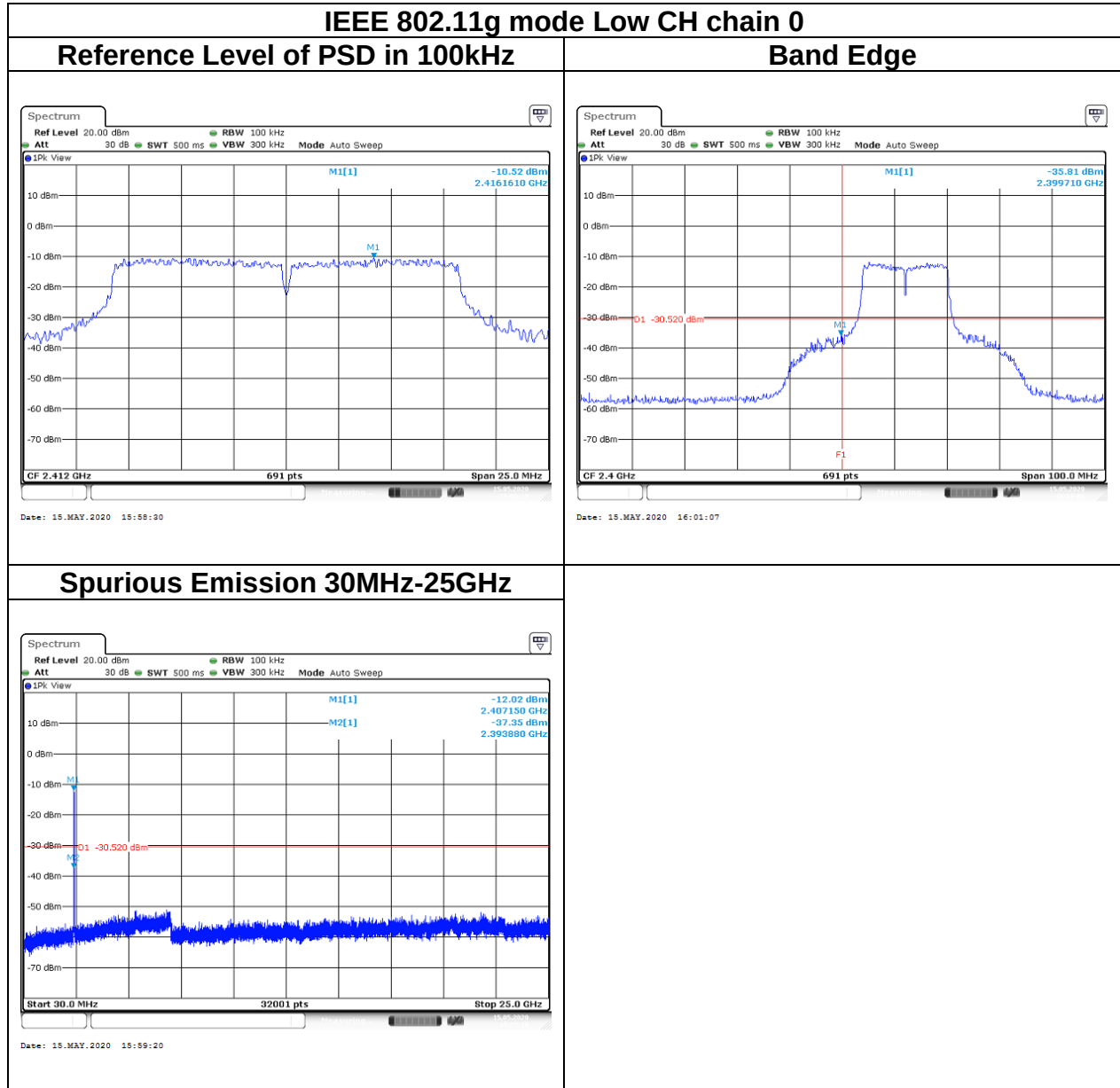
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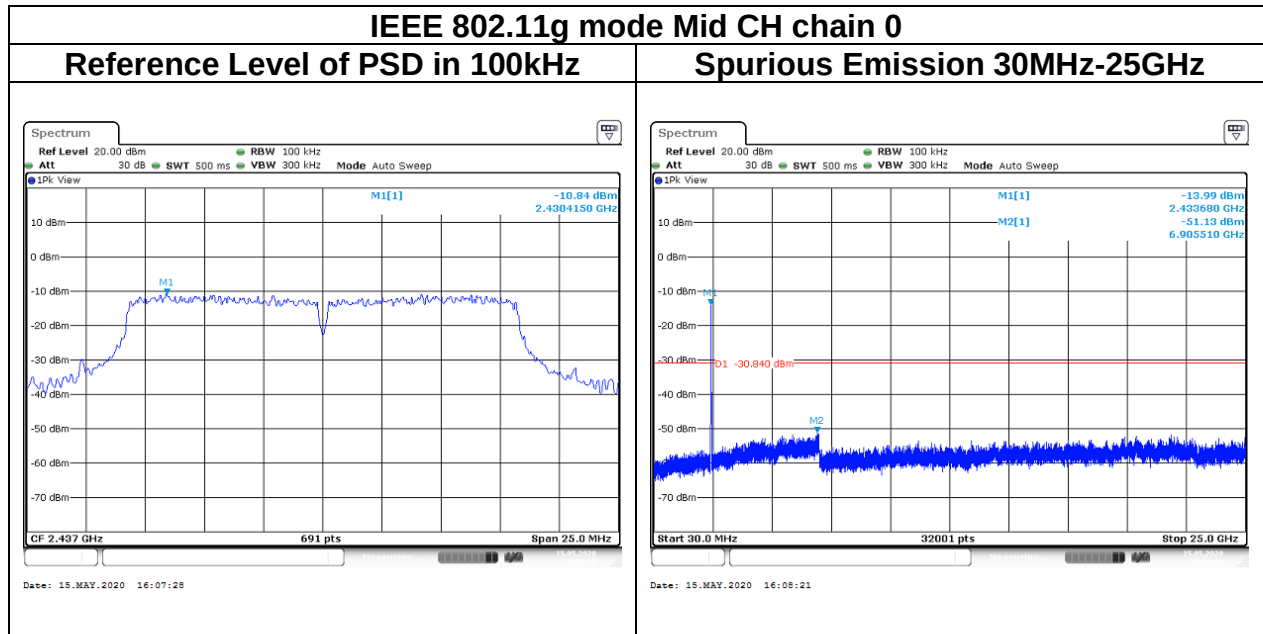
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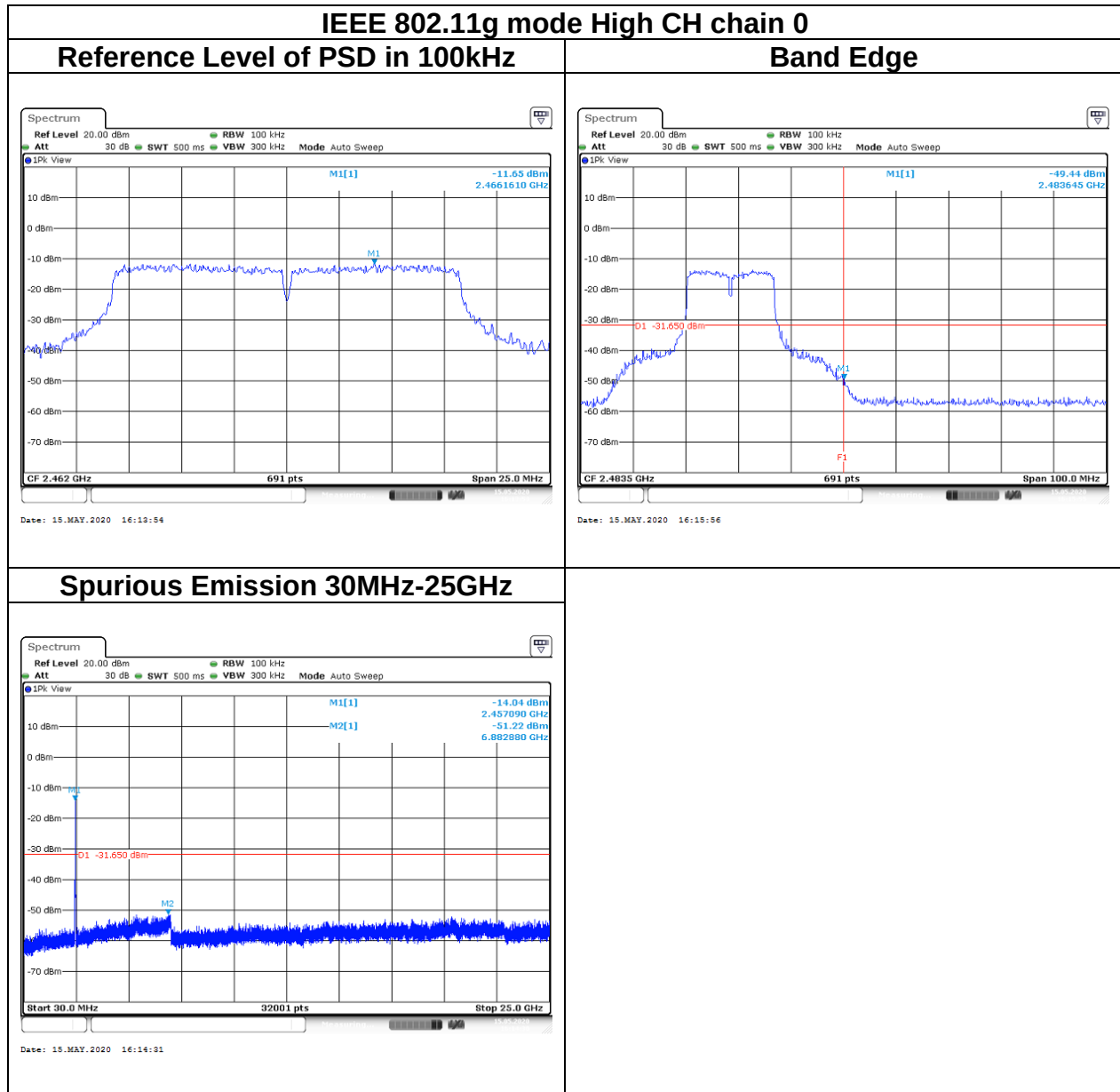


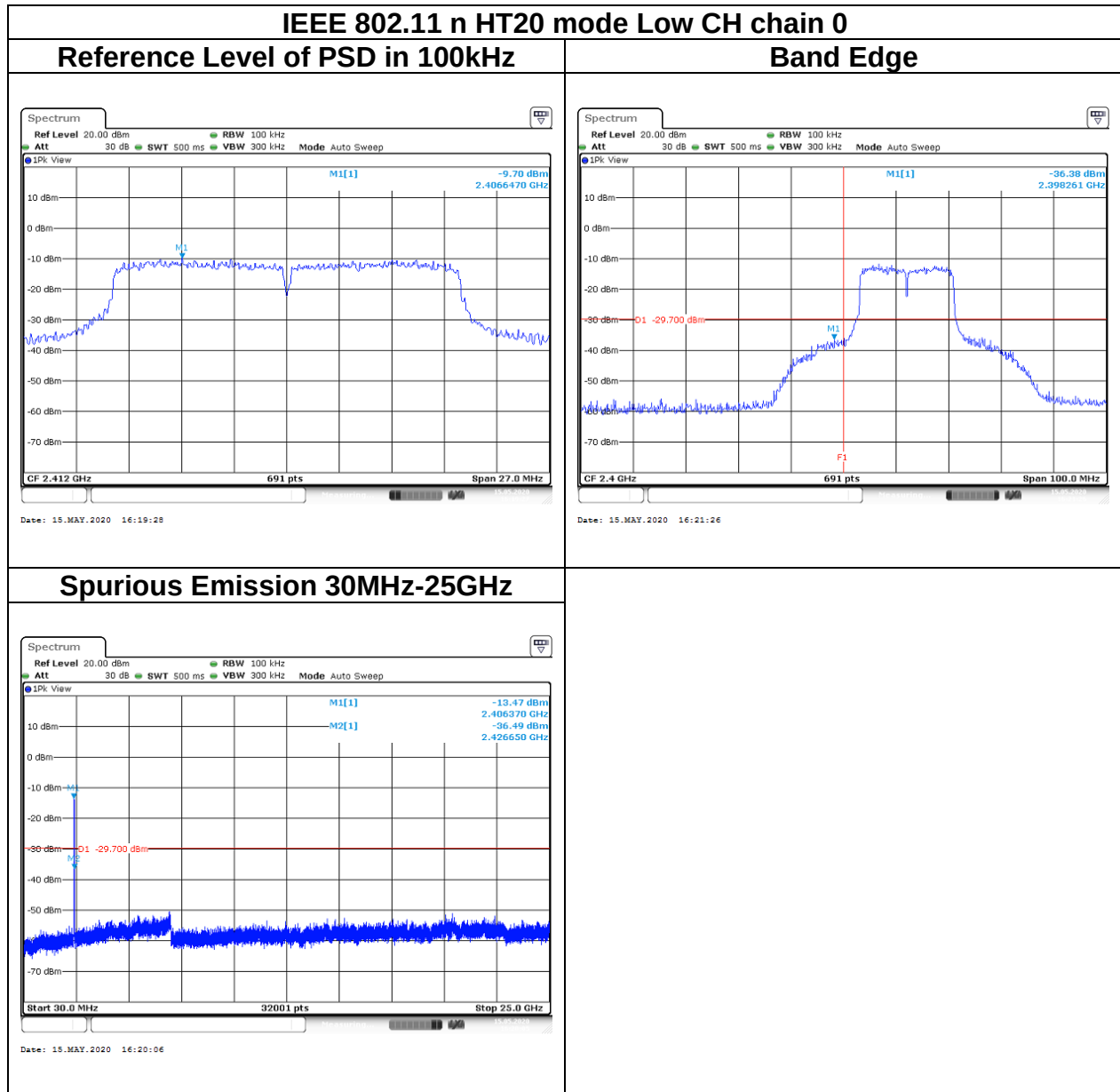
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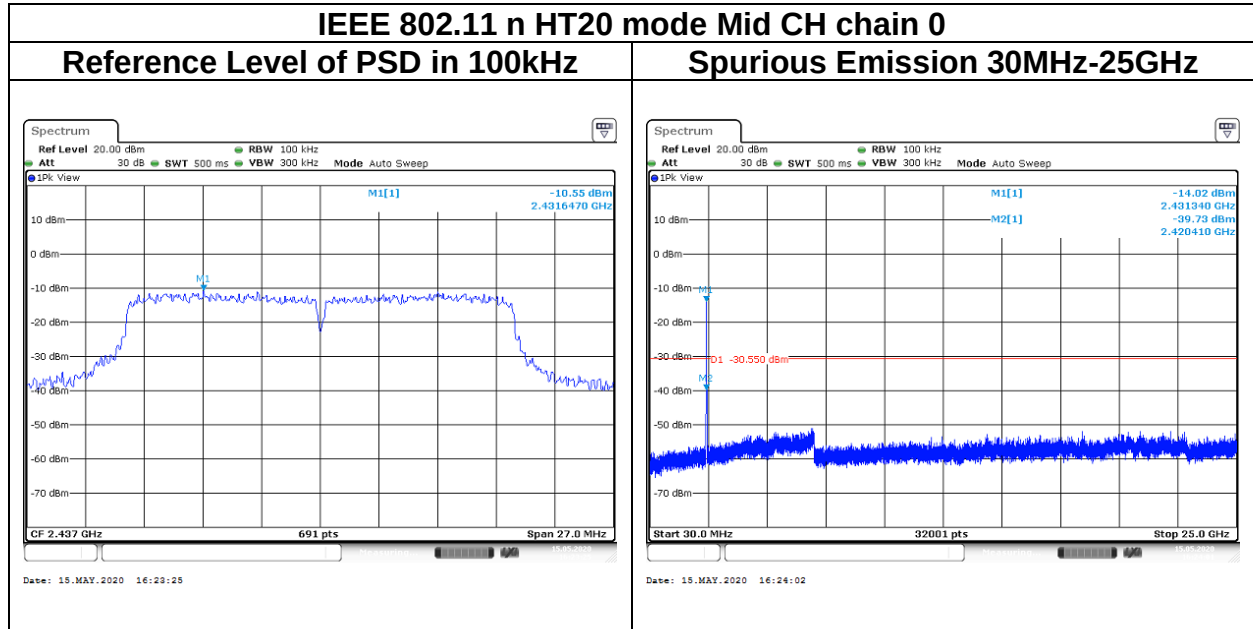


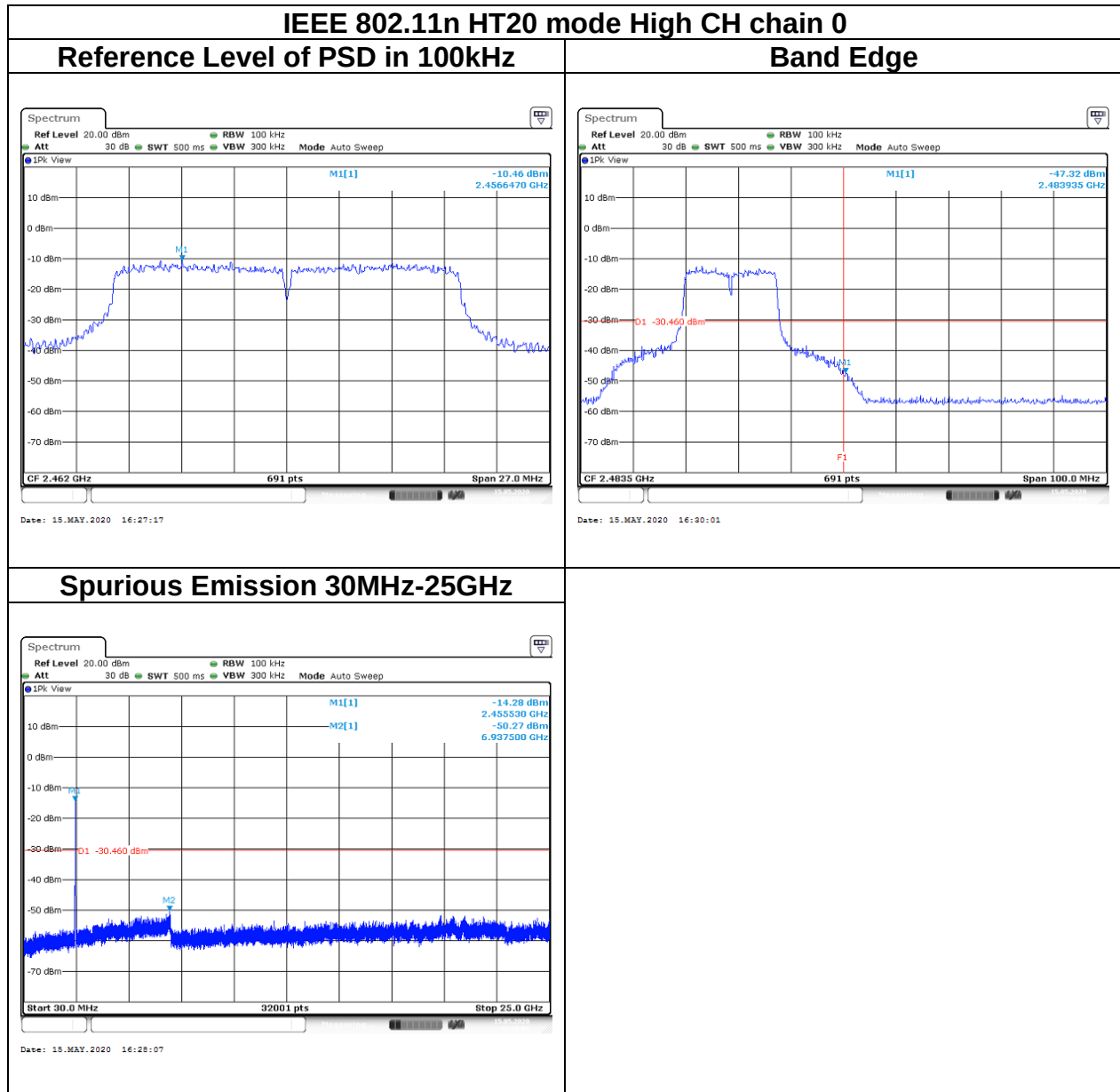




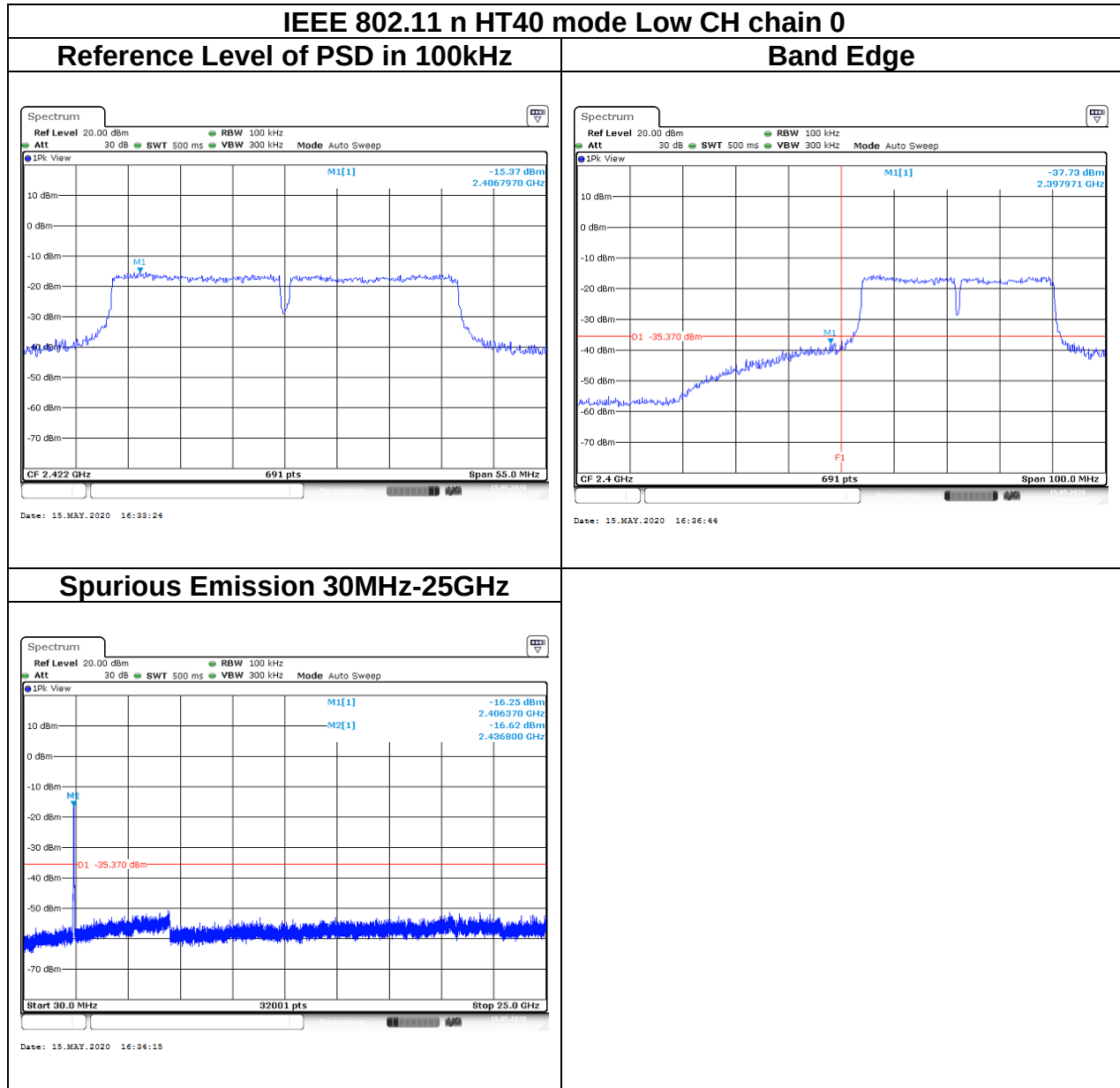


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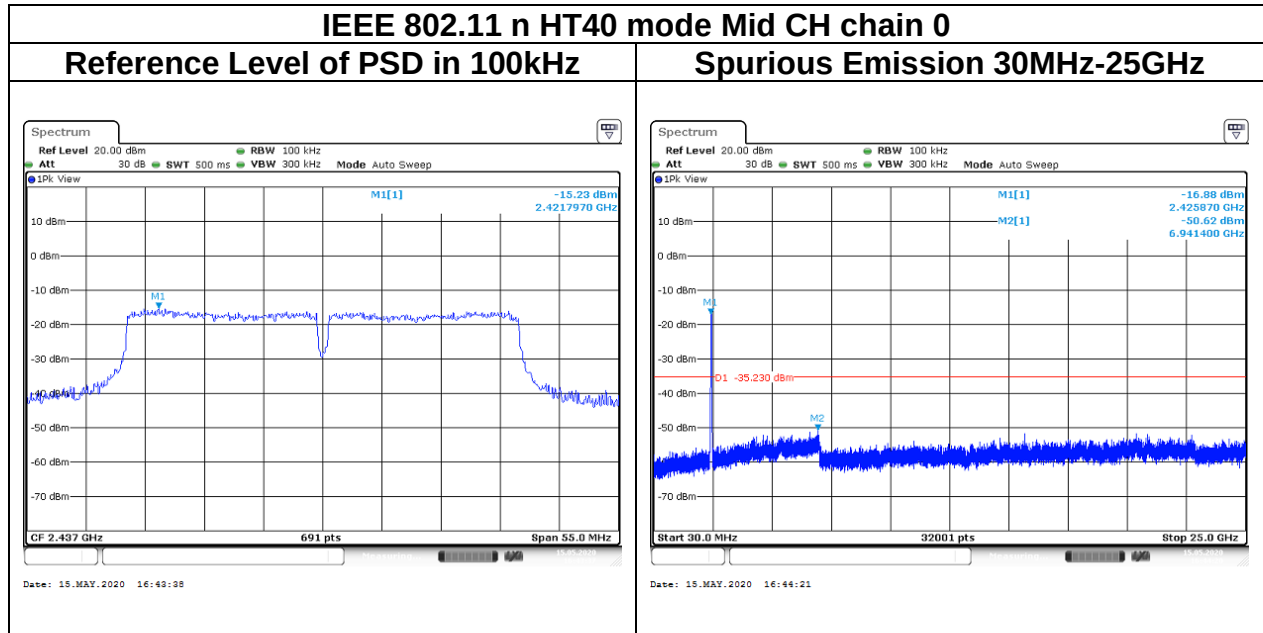


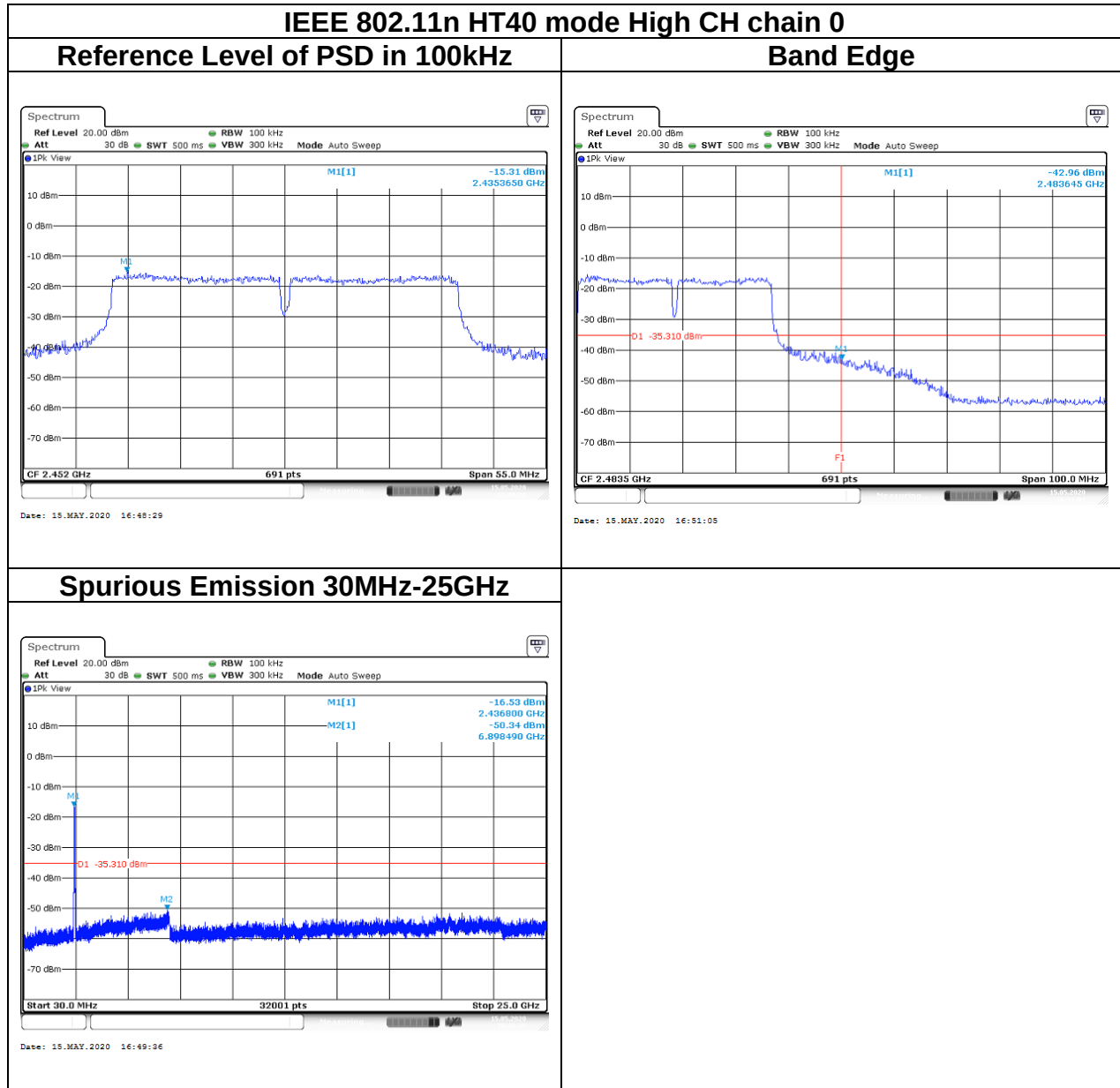
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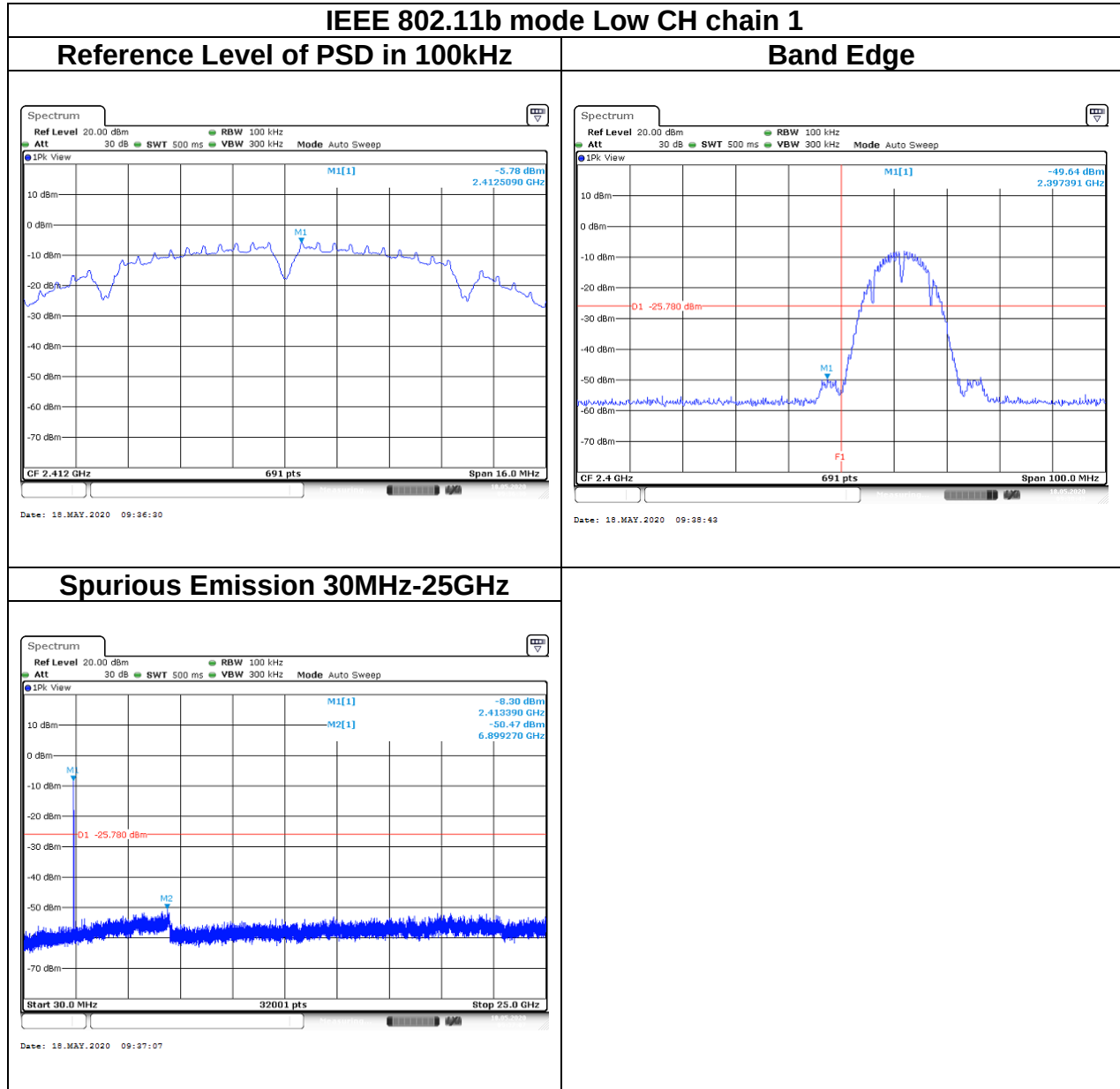
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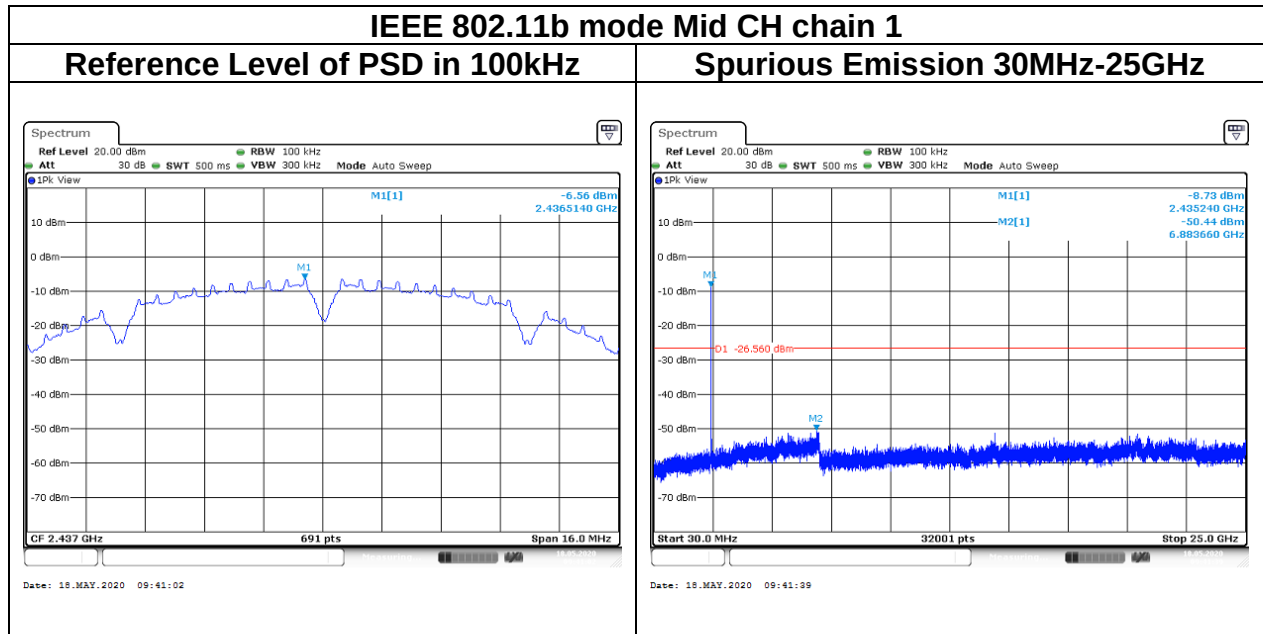
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## Test Data

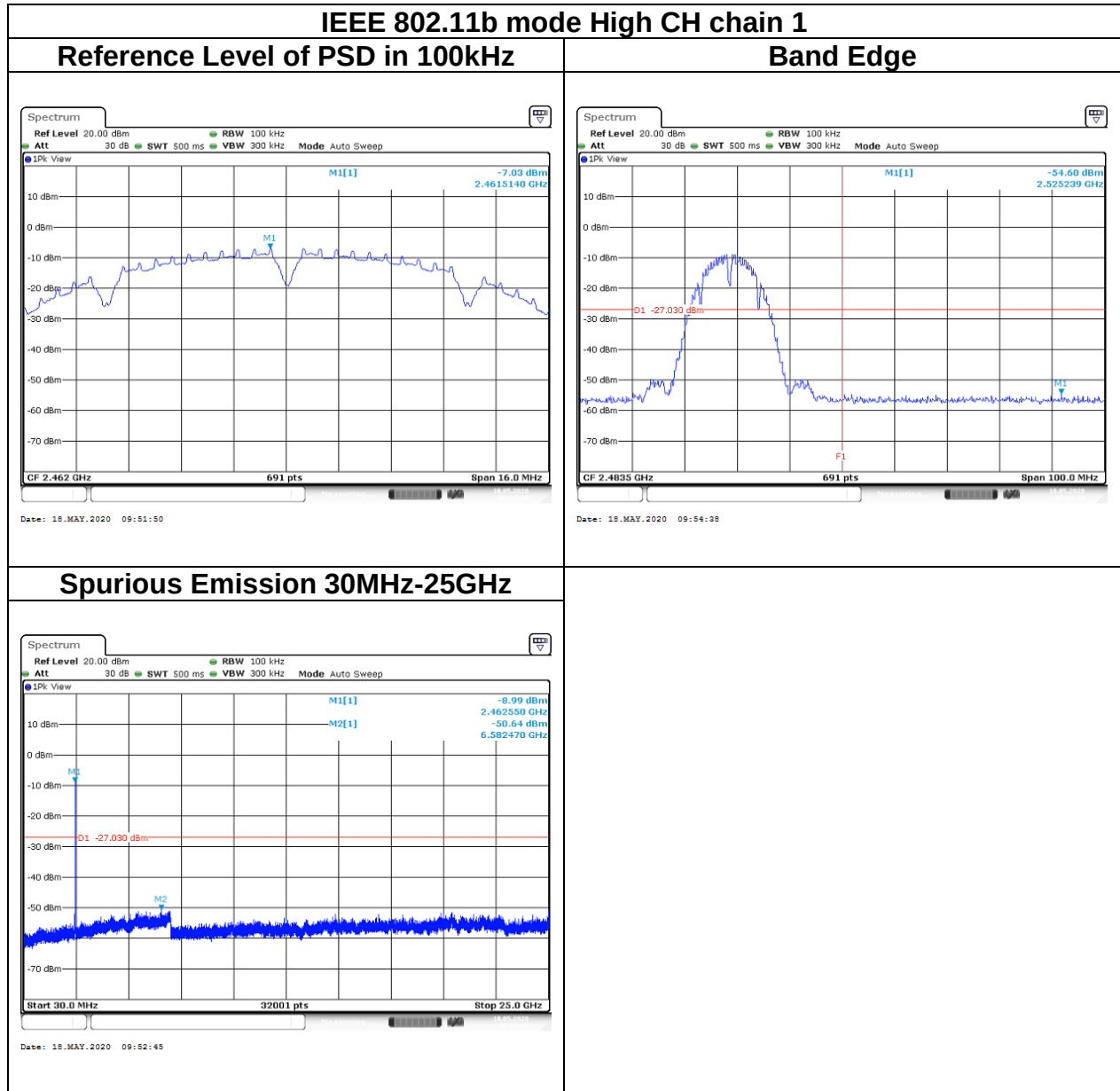




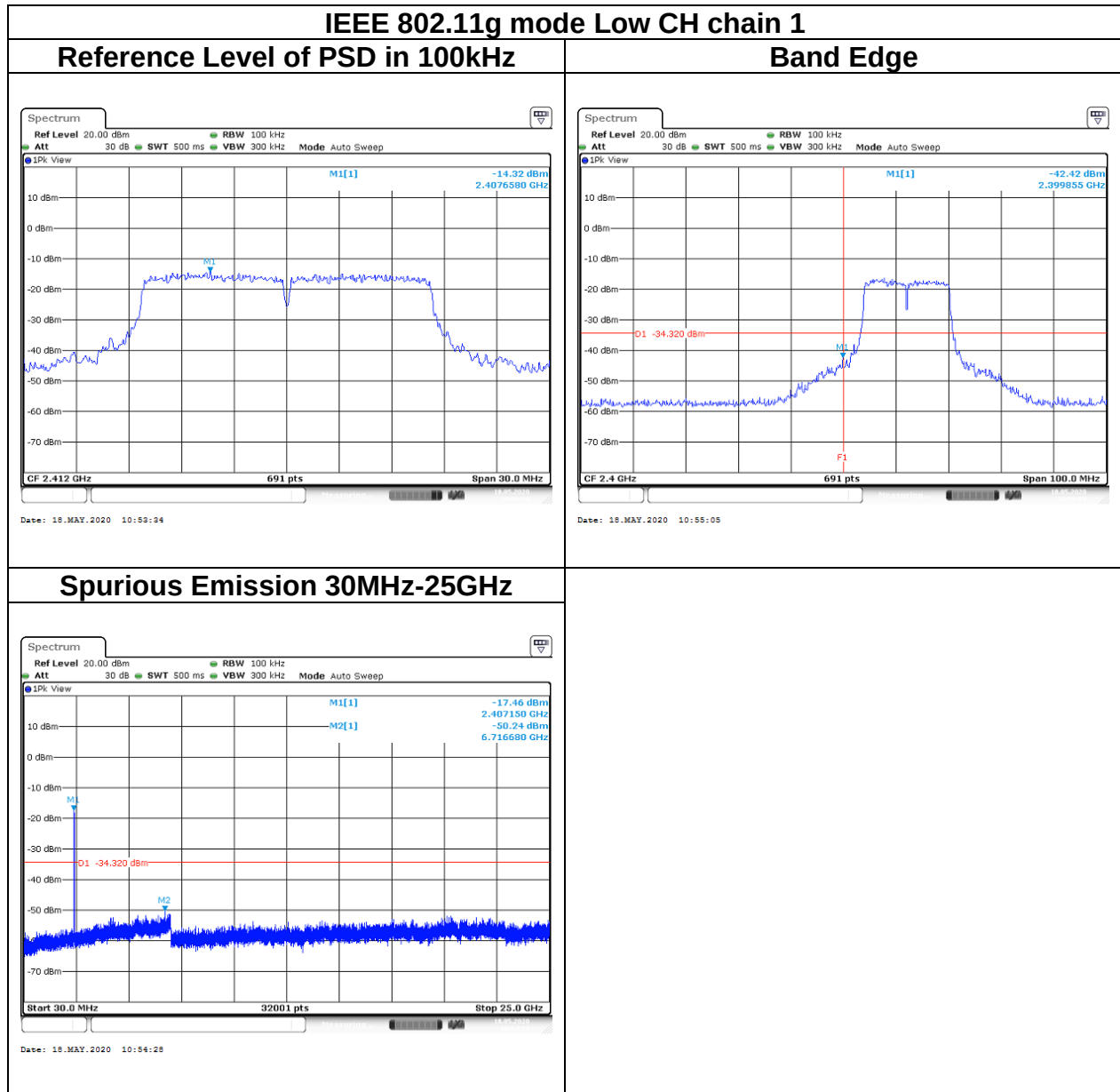
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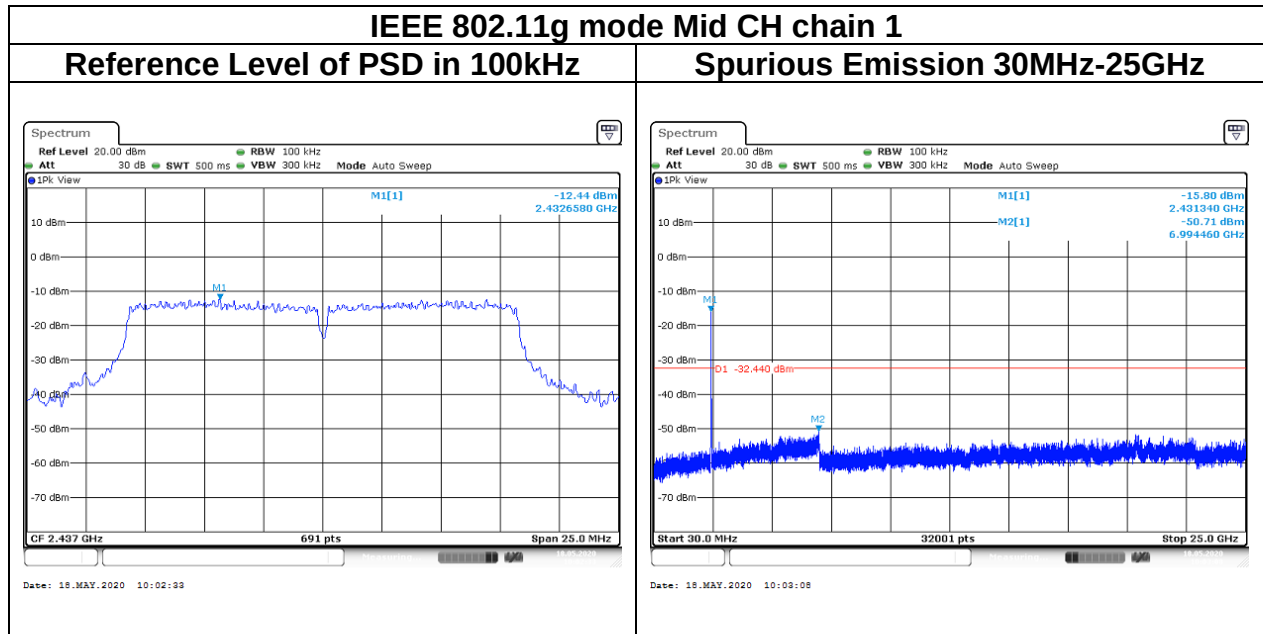


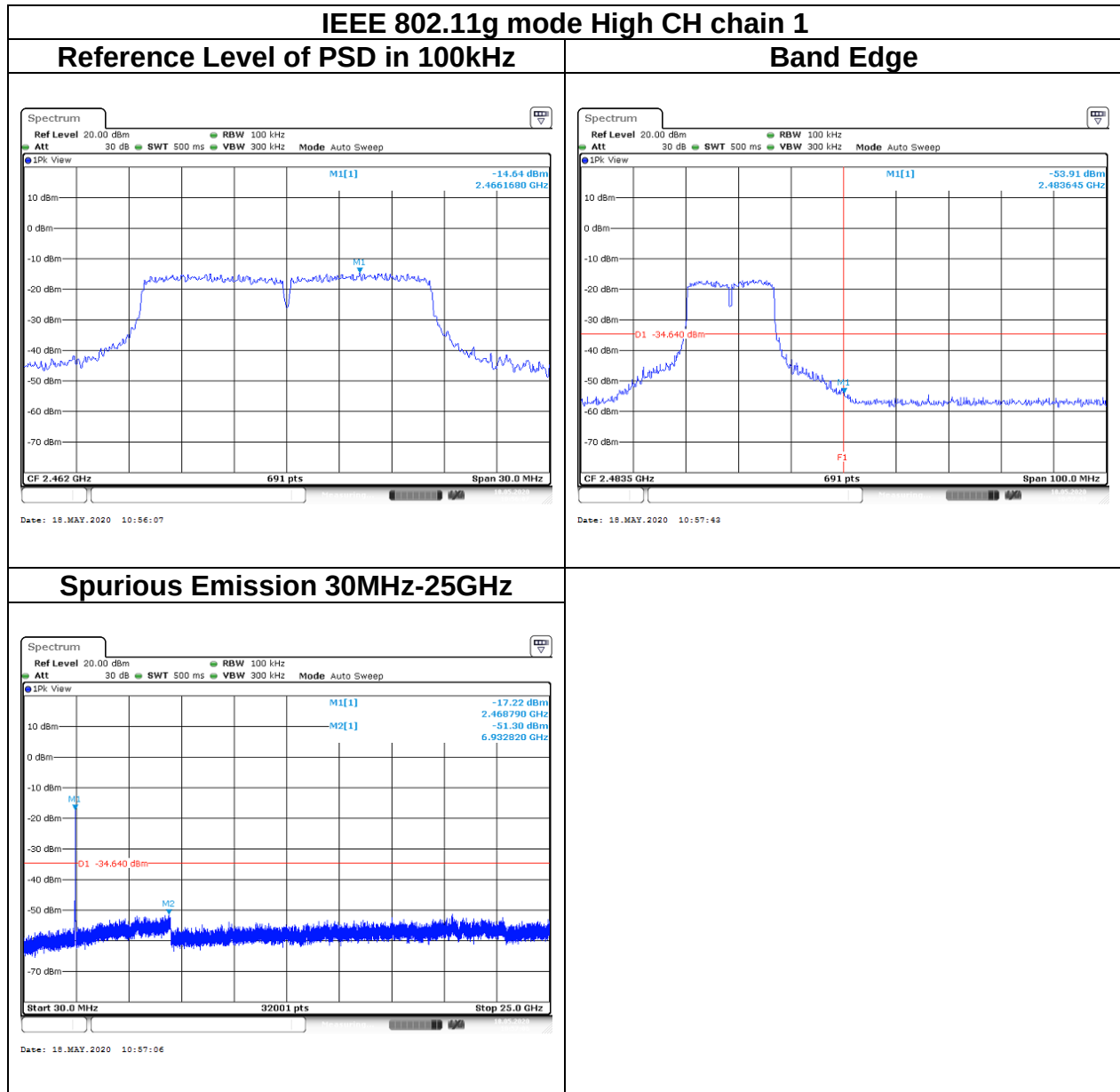


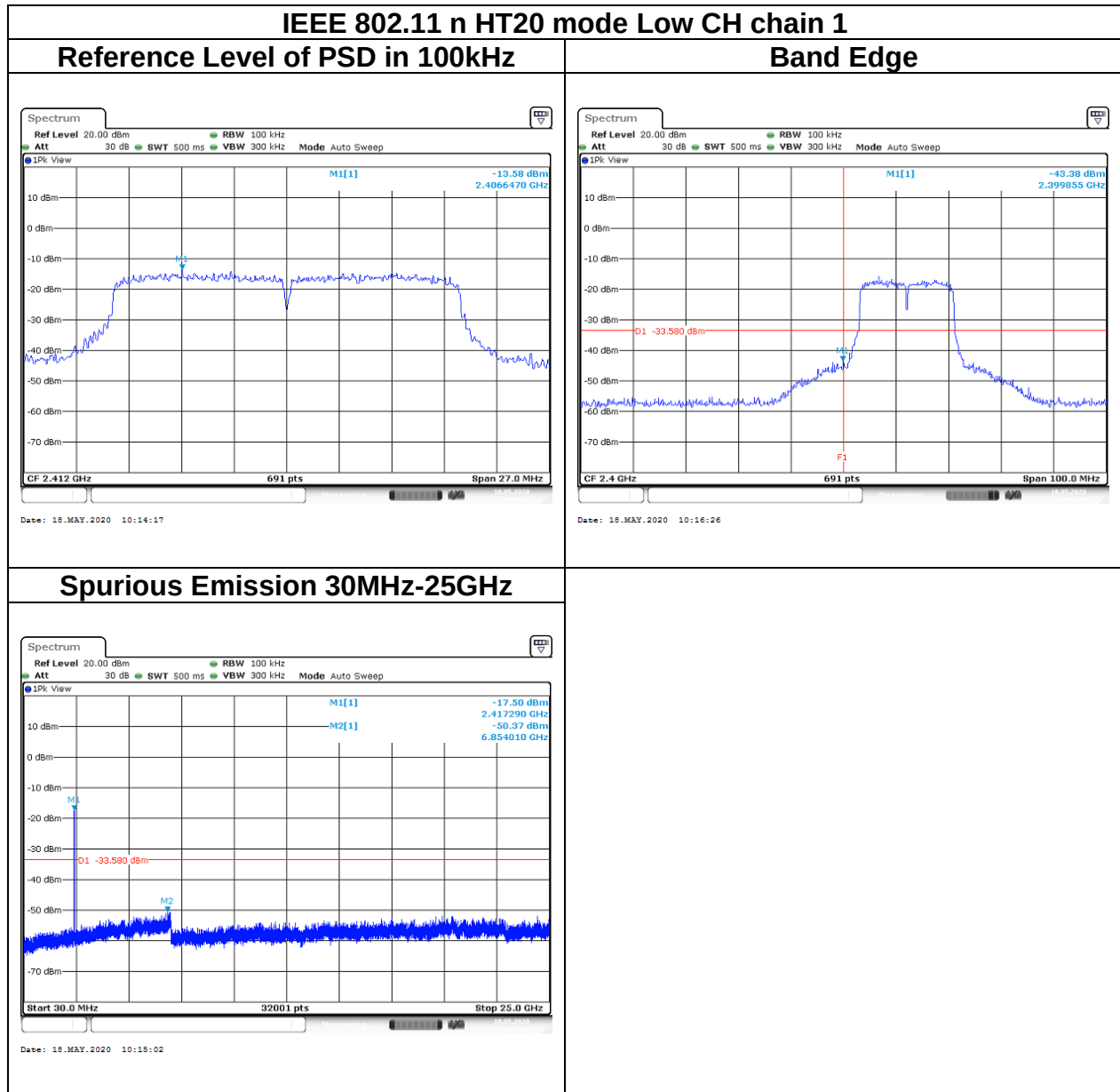
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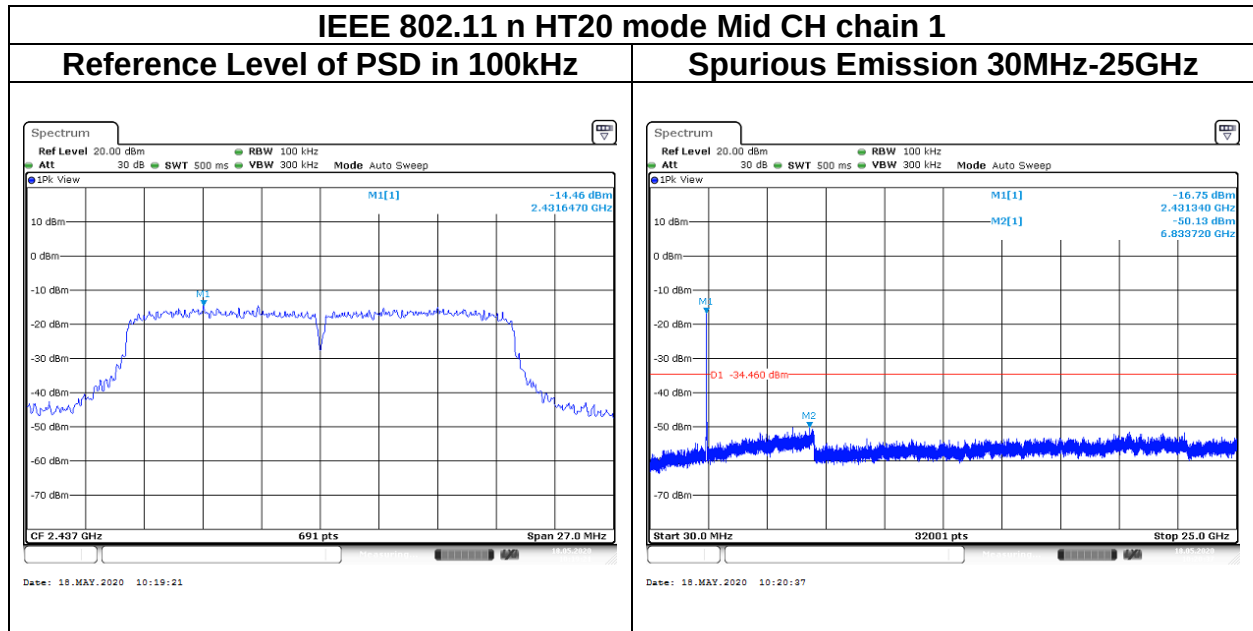
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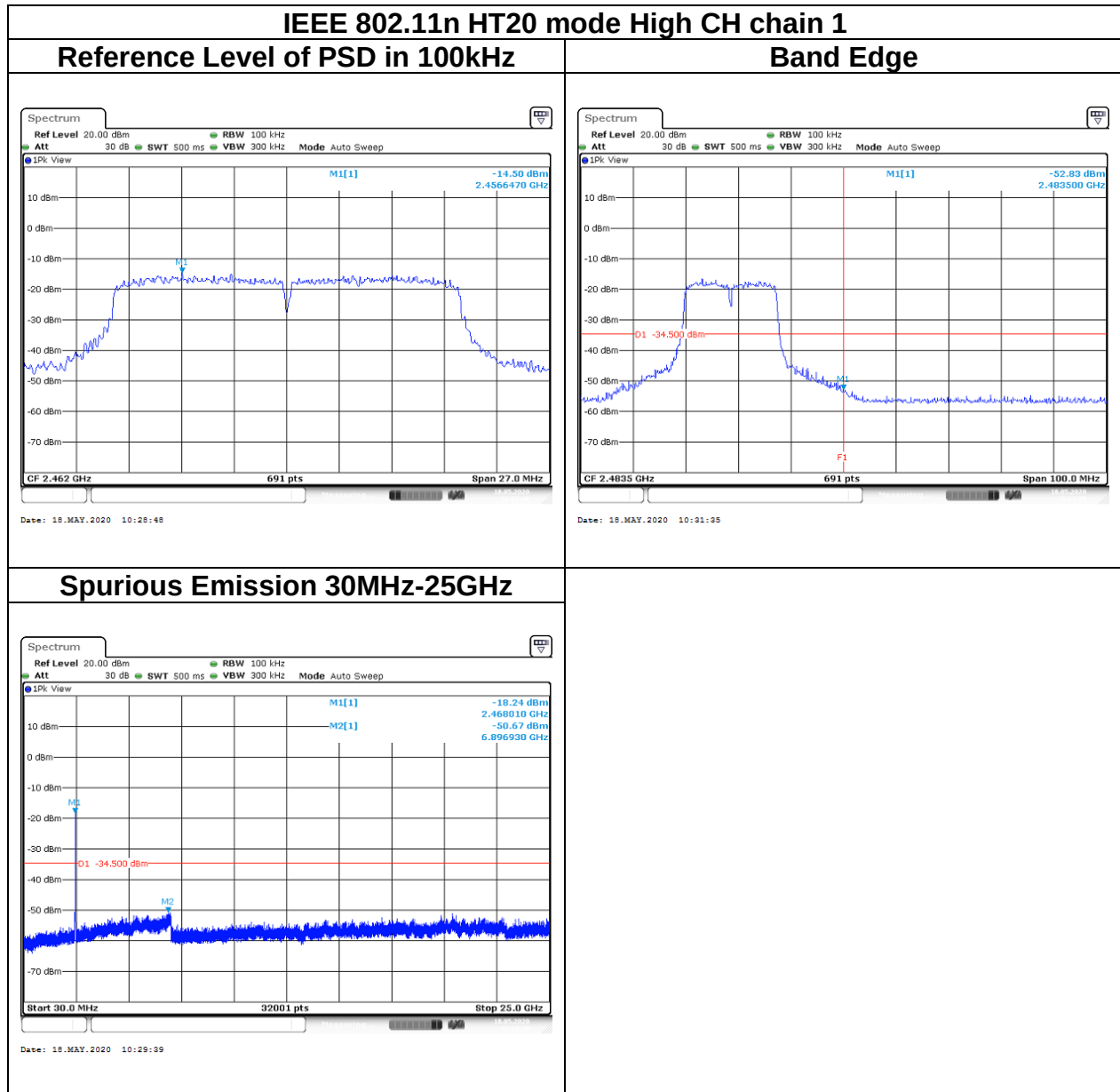
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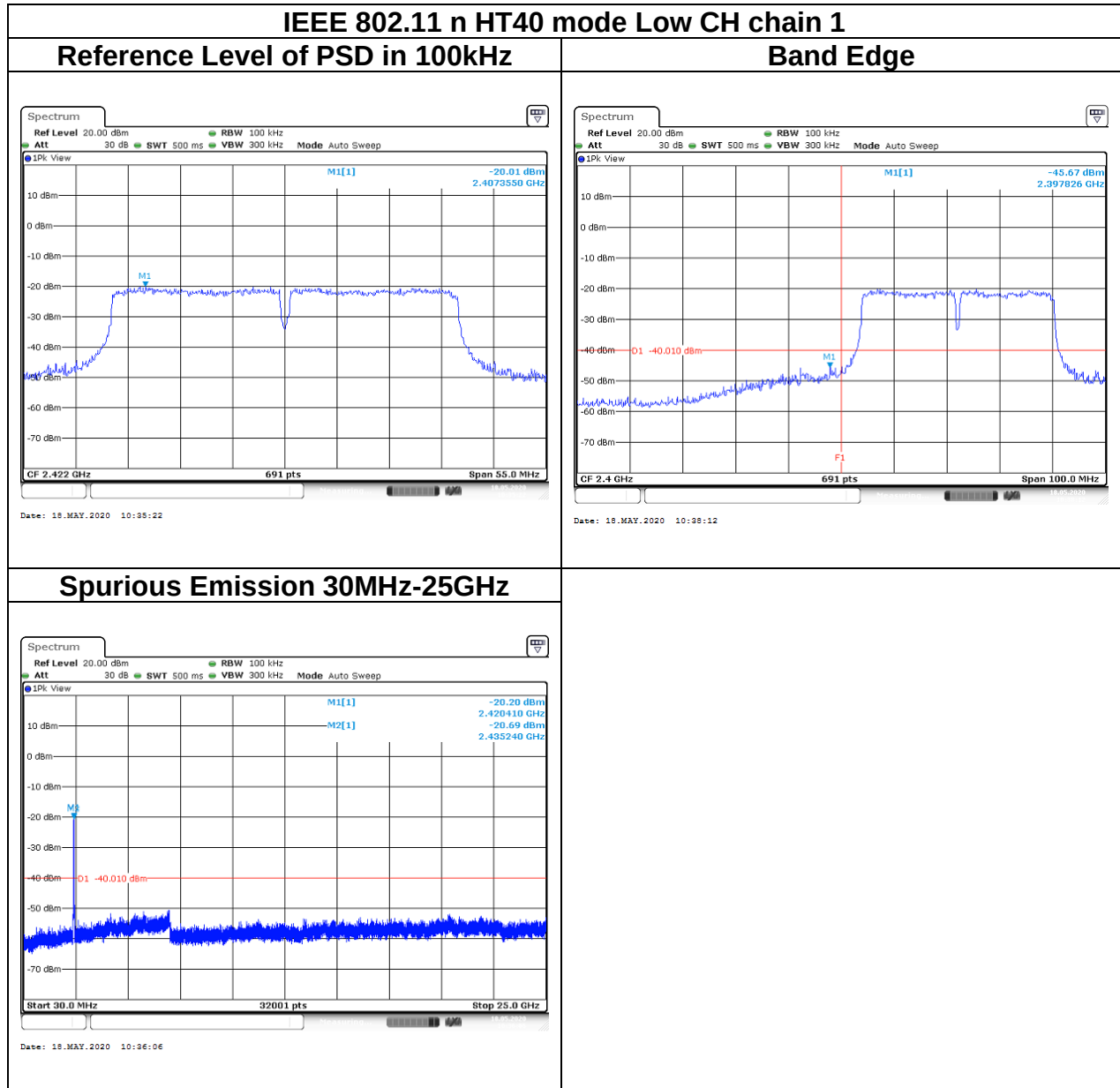




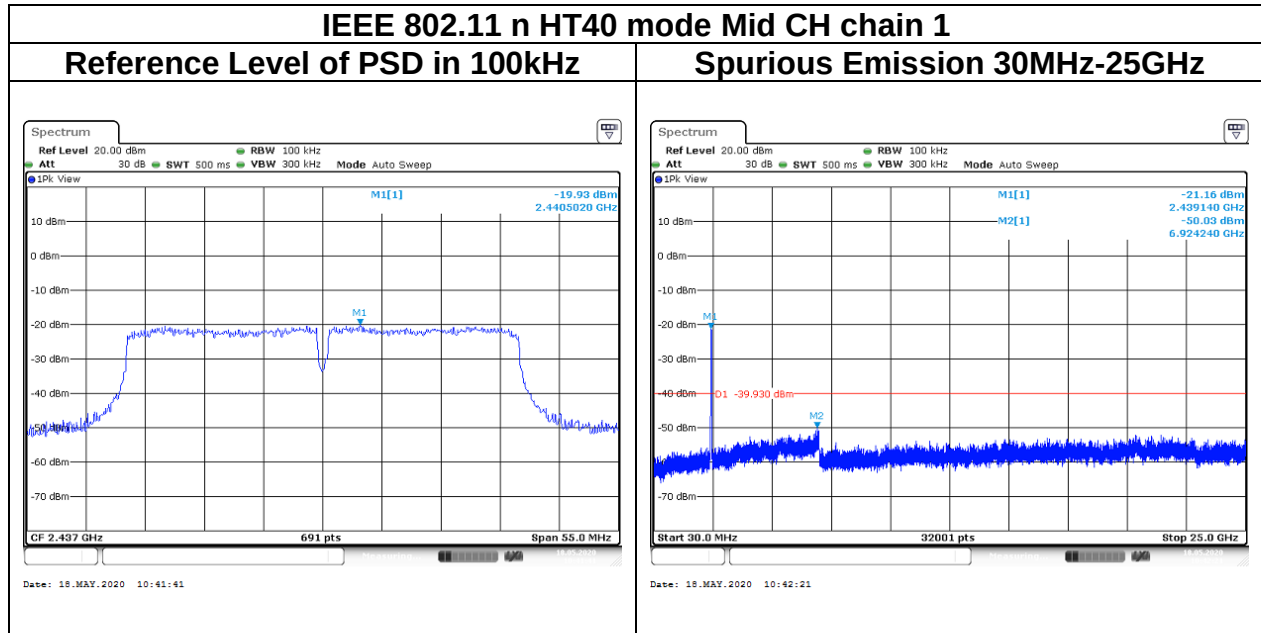




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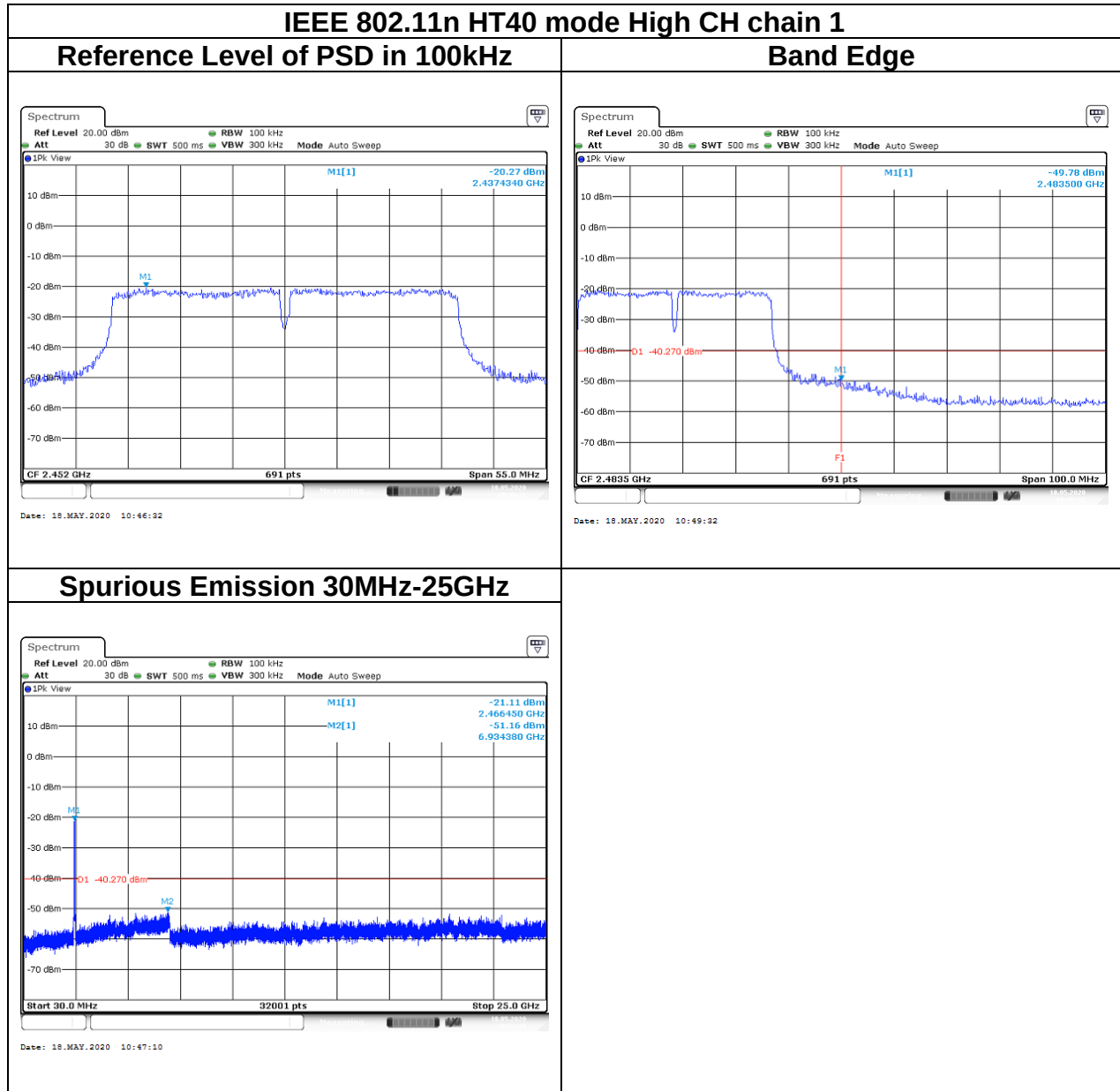


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## 4.6 RADIATION BANDEDGE AND SPURIOUS EMISSION

### 4.6.1 Test Limit

FCC according to §15.247(d), §15.209 and §15.205,

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

#### Below 30 MHz

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

#### Above 30 MHz

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

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

IC according to RSS-247 section 5.5, RSS-Gen, Section 8.9 and 8.10

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

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

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

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

| Frequency                 | Magnetic field strength<br>(H-Field) (μA/m) | Measurement Distance<br>(m) |
|---------------------------|---------------------------------------------|-----------------------------|
| 9-490 kHz <sup>Note</sup> | 6.37/F (F in kHz)                           | 300                         |
| 490-1,705 kHz             | 63.7/F (F in kHz)                           | 30                          |
| 1.705-30 MHz              | 0.08                                        | 30                          |

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

#### 4.6.2 Test Procedure

Test method Refer as KDB 662911 D01, KDB 558074 D01.

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.

Note: No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)

Remark:

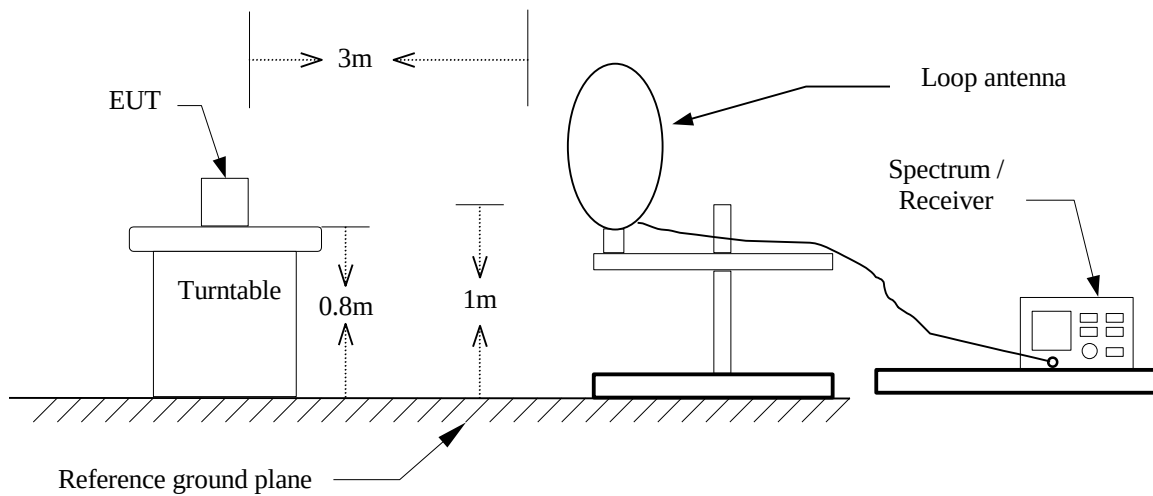
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

4. The SA setting following :

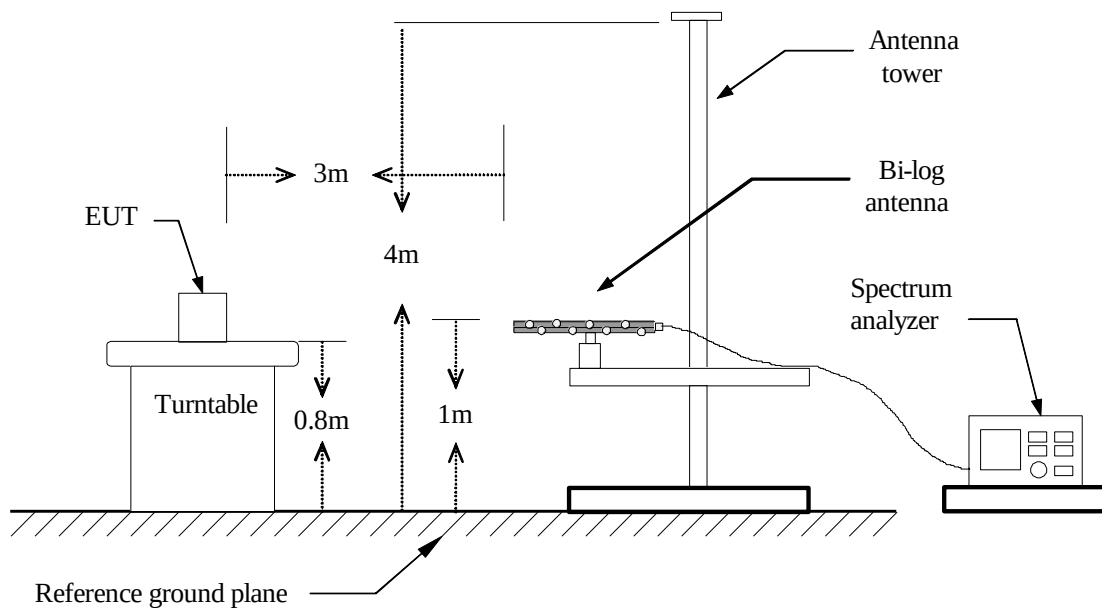
- (1) Below 1G : RBW = 100kHz, VBW  $\geq$  3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
- (2) Above 1G :
  - (2.1) For Peak measurement : RBW = 1MHz, VBW  $\geq$  3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
  - (2.2) For Average measurement : RBW = 1MHz, VBW
    - 'If Duty Cycle  $\geq$  98%, VBW=10Hz.
    - 'If Duty Cycle < 98%, VBW=1/T.

## 4.6.3 Test Setup

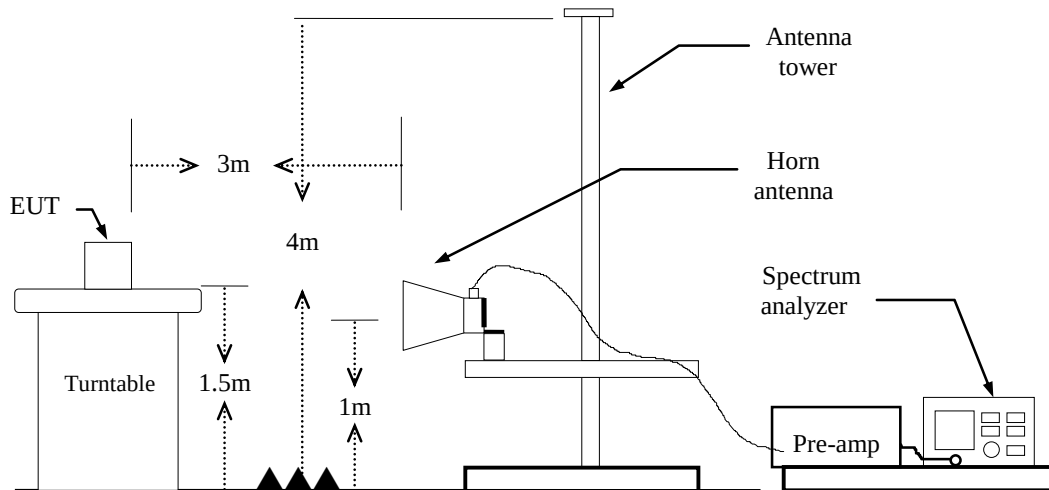
### 9kHz ~ 30MHz



### 30MHz ~ 1GHz

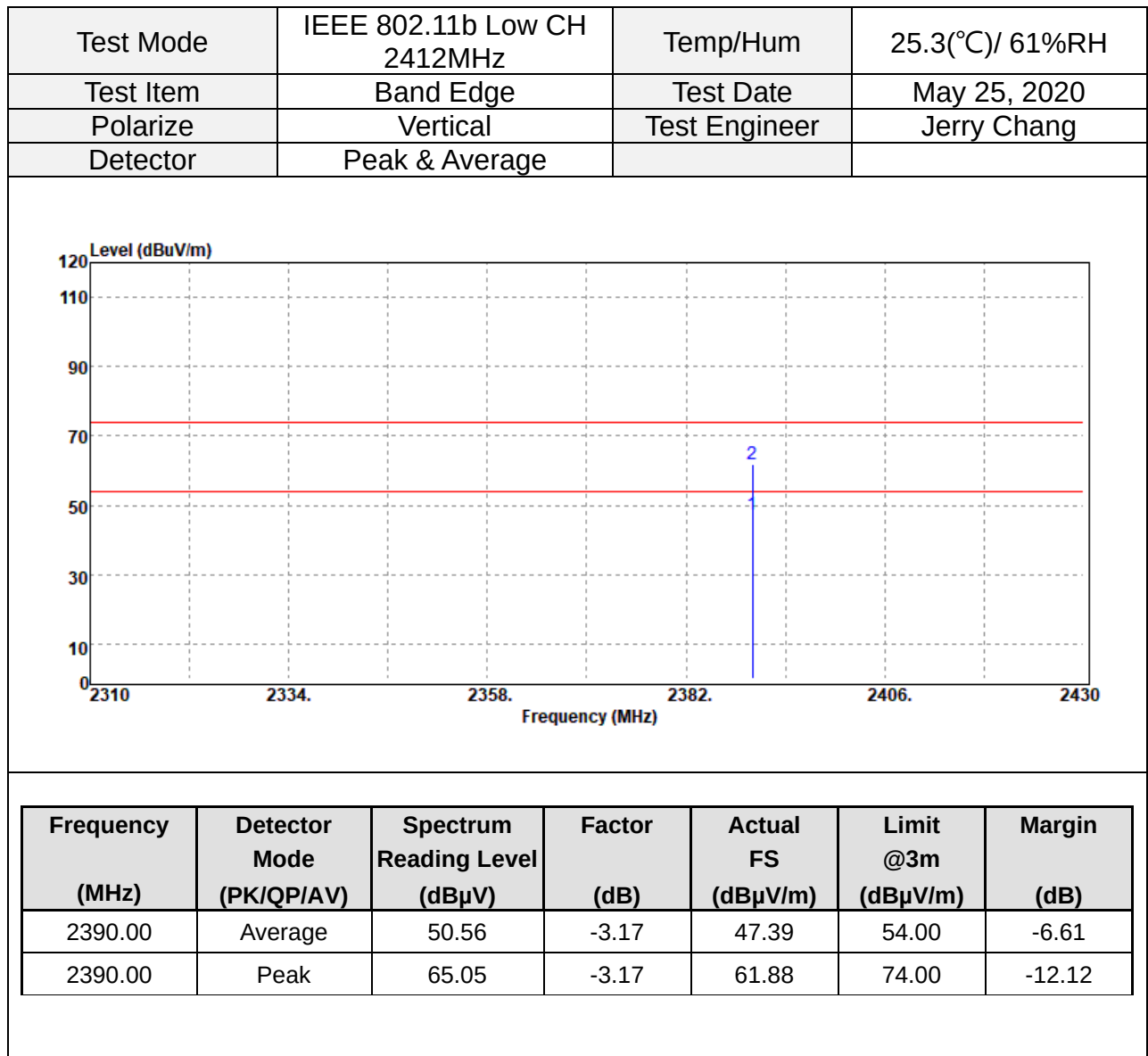


### Above 1 GHz



#### 4.6.4 Test Result

##### Band Edge Test Data



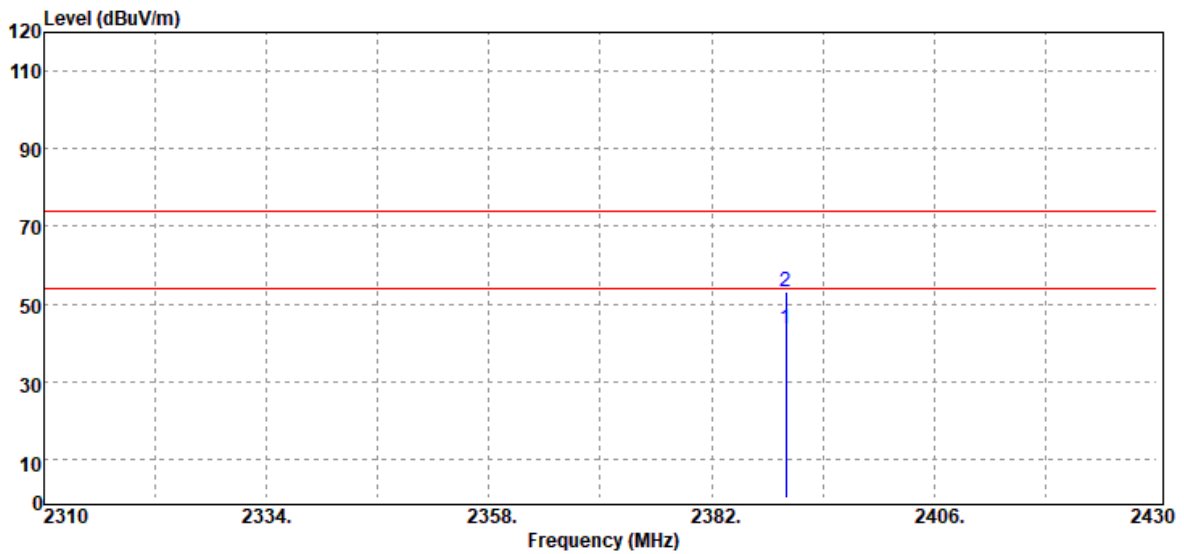


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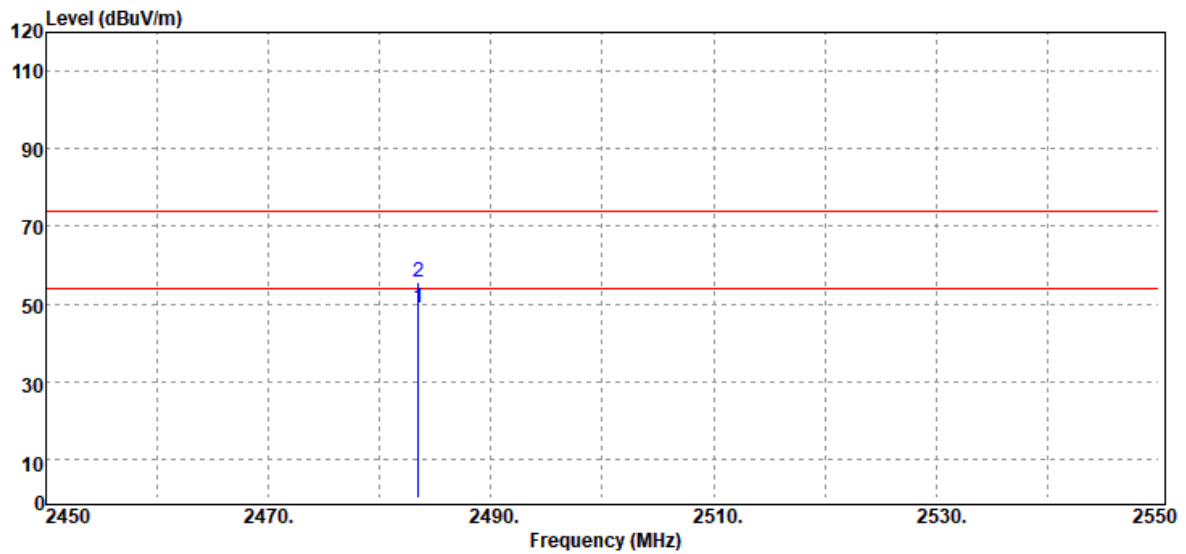
|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11b Low CH<br>2412MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                      | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                 |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2390.00            | Average                        | 46.66                               | -3.17          | 43.49                    | 54.00                    | -10.51         |
| 2390.00            | Peak                           | 56.21                               | -3.17          | 53.04                    | 74.00                    | -20.96         |

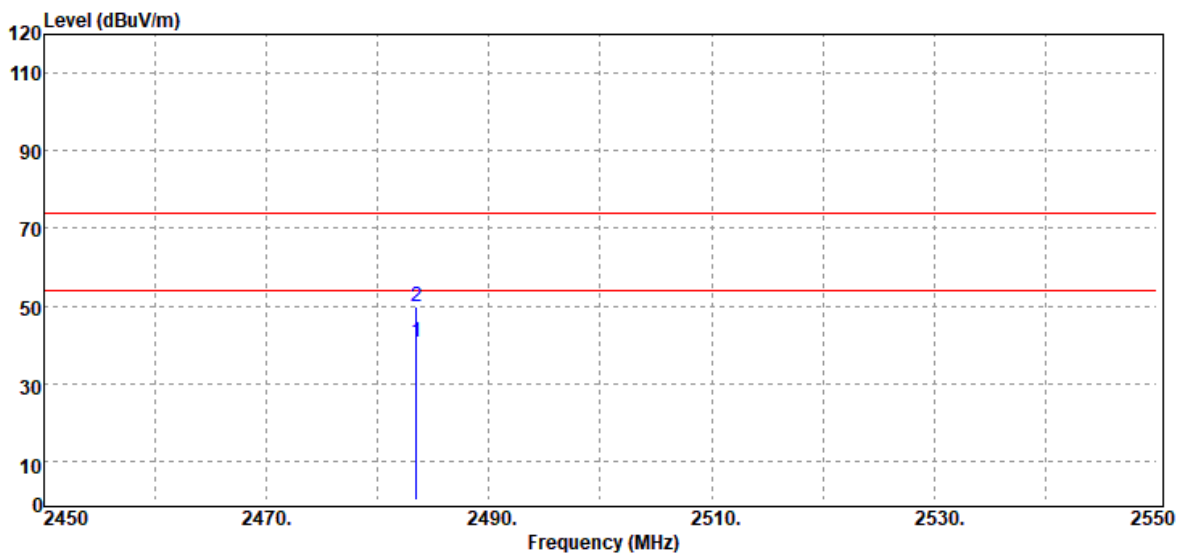


|           |                                 |               |                 |
|-----------|---------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11b High CH<br>2462MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                       | Test Date     | May 25, 2020    |
| Polarize  | Vertical                        | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                  |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2483.50            | Average                        | 51.67                               | -2.71          | 48.96                    | 54.00                    | -5.04          |
| 2483.50            | Peak                           | 58.23                               | -2.71          | 55.52                    | 74.00                    | -18.48         |

|           |                                 |               |                 |
|-----------|---------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11b High CH<br>2462MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                       | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                      | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                  |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2483.50            | Average                        | 43.41                               | -2.71          | 40.70                    | 54.00                    | -13.30         |
| 2483.50            | Peak                           | 52.38                               | -2.71          | 49.67                    | 74.00                    | -24.33         |

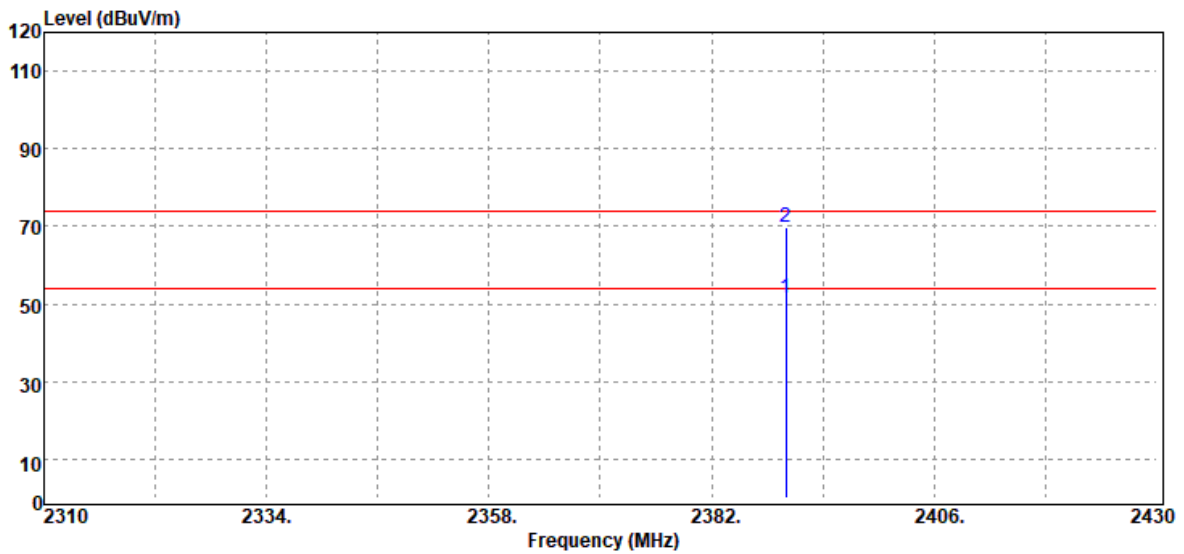


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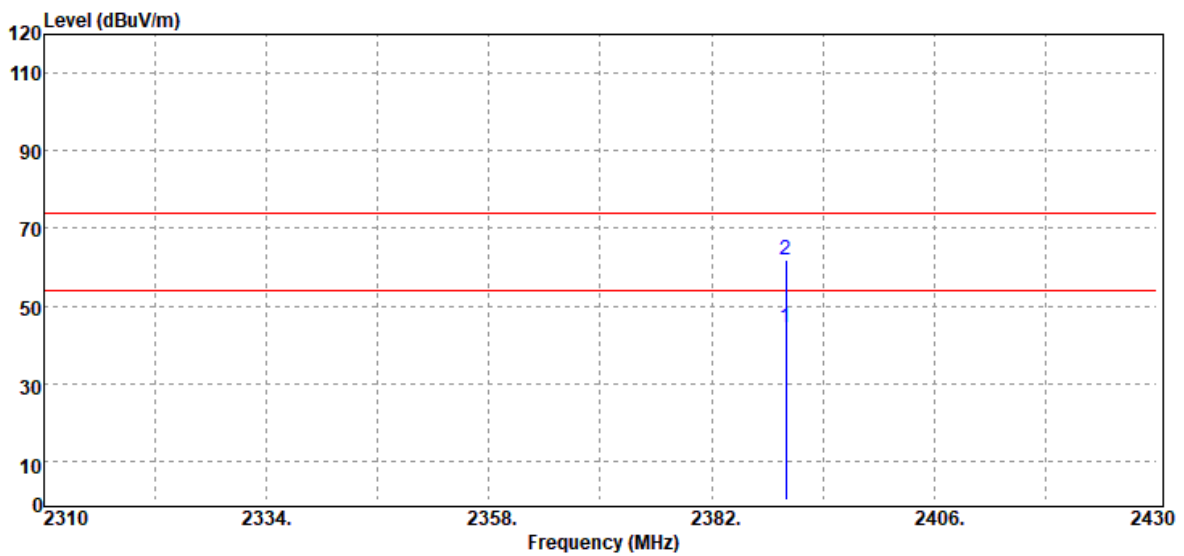
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|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g Low CH<br>2412MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                      | Test Date     | May 25, 2020    |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                 |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2390.00            | Average                        | 54.84                               | -3.17          | 51.67                    | 54.00                    | -2.33          |
| 2390.00            | Peak                           | 72.86                               | -3.17          | 69.69                    | 74.00                    | -4.31          |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g Low CH<br>2412MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                      | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                 |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2390.00            | Average                        | 47.50                               | -3.17          | 44.33                    | 54.00                    | -9.67          |
| 2390.00            | Peak                           | 65.20                               | -3.17          | 62.03                    | 74.00                    | -11.97         |

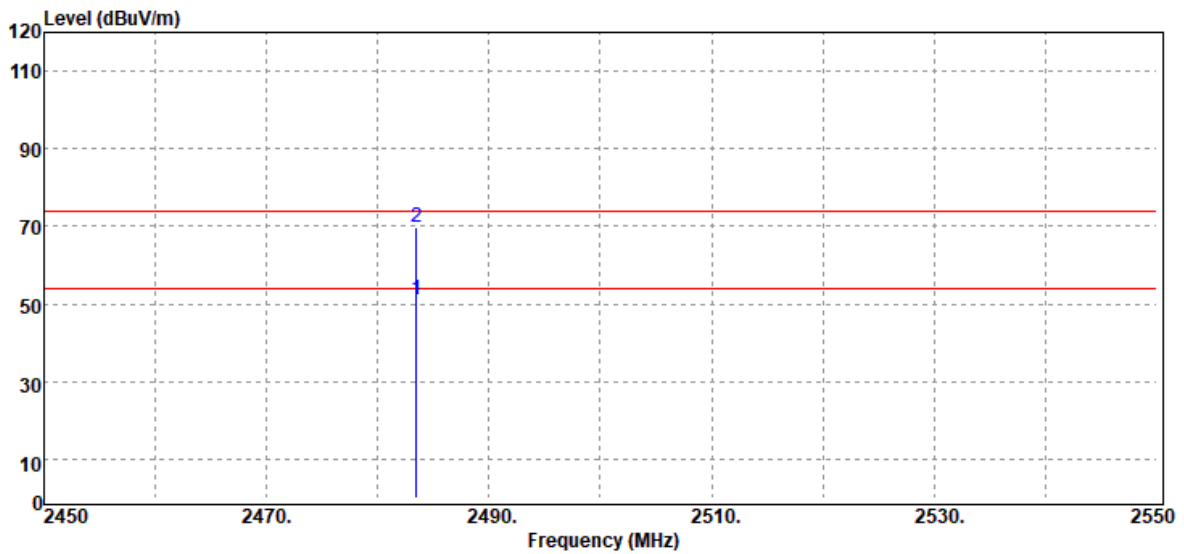


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|           |                                 |               |                 |
|-----------|---------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g High CH<br>2462MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                       | Test Date     | May 25, 2020    |
| Polarize  | Vertical                        | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                  |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2483.50            | Average                        | 53.96                               | -2.71          | 51.25                    | 54.00                    | -2.75          |
| 2483.50            | Peak                           | 72.34                               | -2.71          | 69.63                    | 74.00                    | -4.37          |

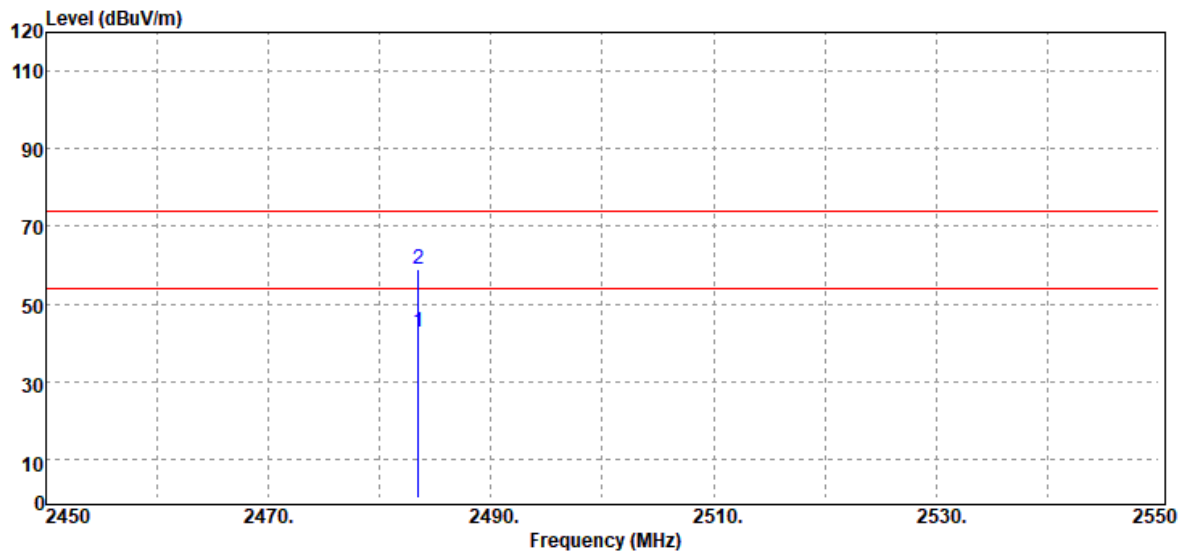


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|           |                                 |               |                 |
|-----------|---------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g High CH<br>2462MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                       | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                      | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                  |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2483.50            | Average                        | 45.63                               | -2.71          | 42.92                    | 54.00                    | -11.08         |
| 2483.50            | Peak                           | 61.52                               | -2.71          | 58.81                    | 74.00                    | -15.19         |

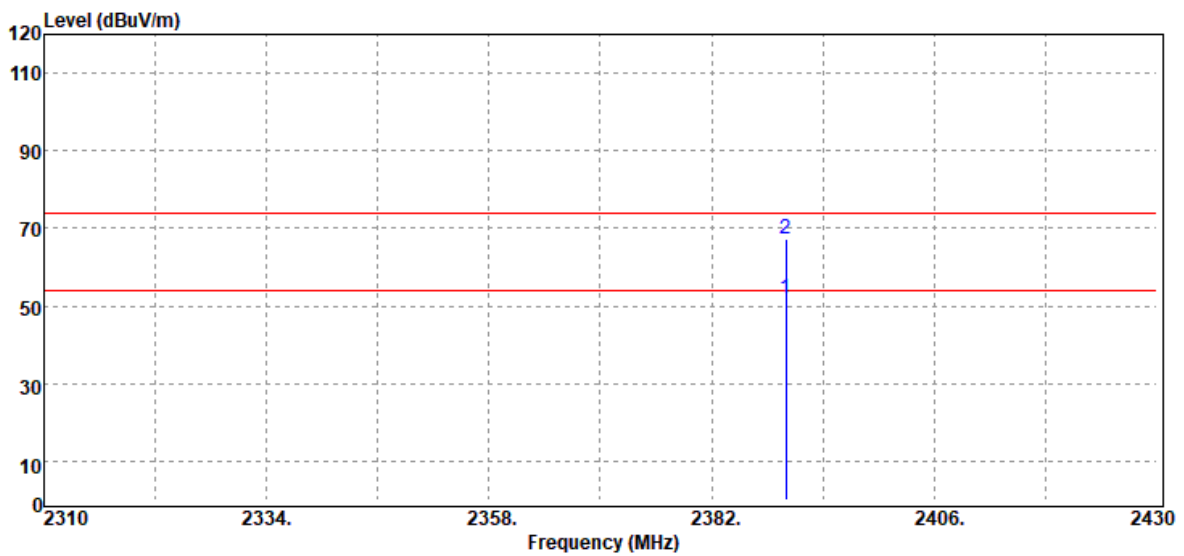


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|           |                                     |               |                 |
|-----------|-------------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 Low CH<br>2412MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                           | Test Date     | May 25, 2020    |
| Polarize  | Vertical                            | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                      |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2390.00            | Average                        | 55.01                               | -3.17          | 51.84                    | 54.00                    | -2.16          |
| 2390.00            | Peak                           | 70.55                               | -3.17          | 67.38                    | 74.00                    | -6.62          |

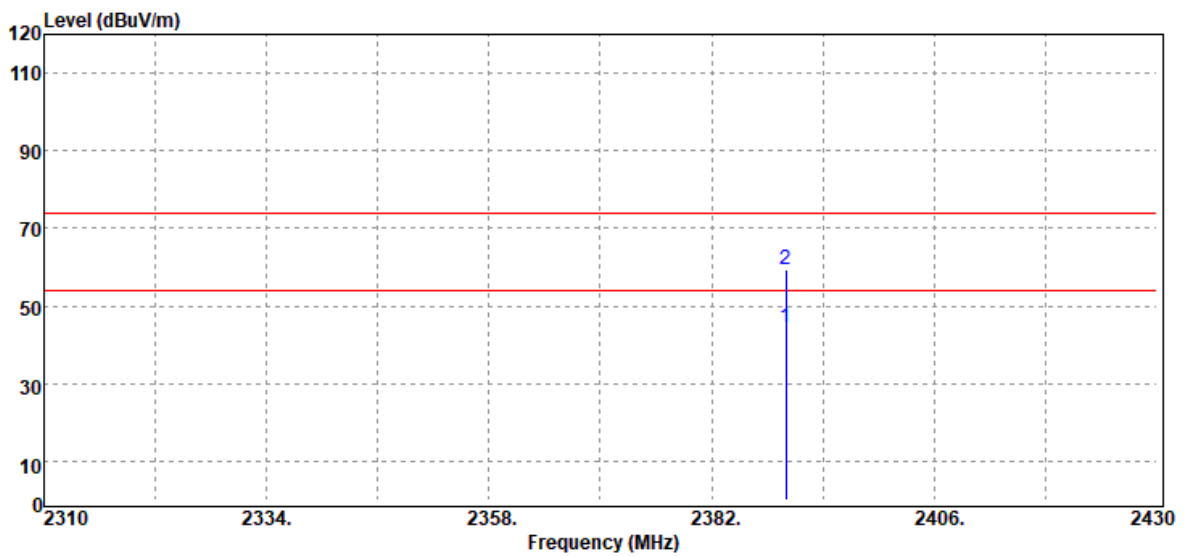


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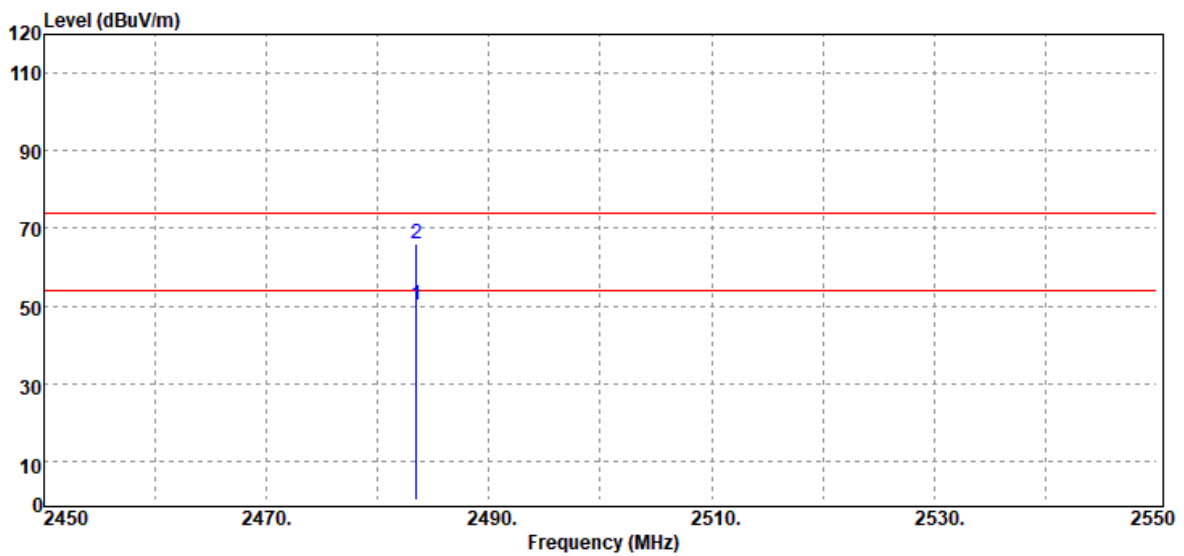
|           |                                   |               |                 |
|-----------|-----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11 n20<br>Low CH 2412MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                         | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                        | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                    |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2390.00            | Average                        | 47.63                               | -3.17          | 44.46                    | 54.00                    | -9.54          |
| 2390.00            | Peak                           | 62.36                               | -3.17          | 59.19                    | 74.00                    | -14.81         |

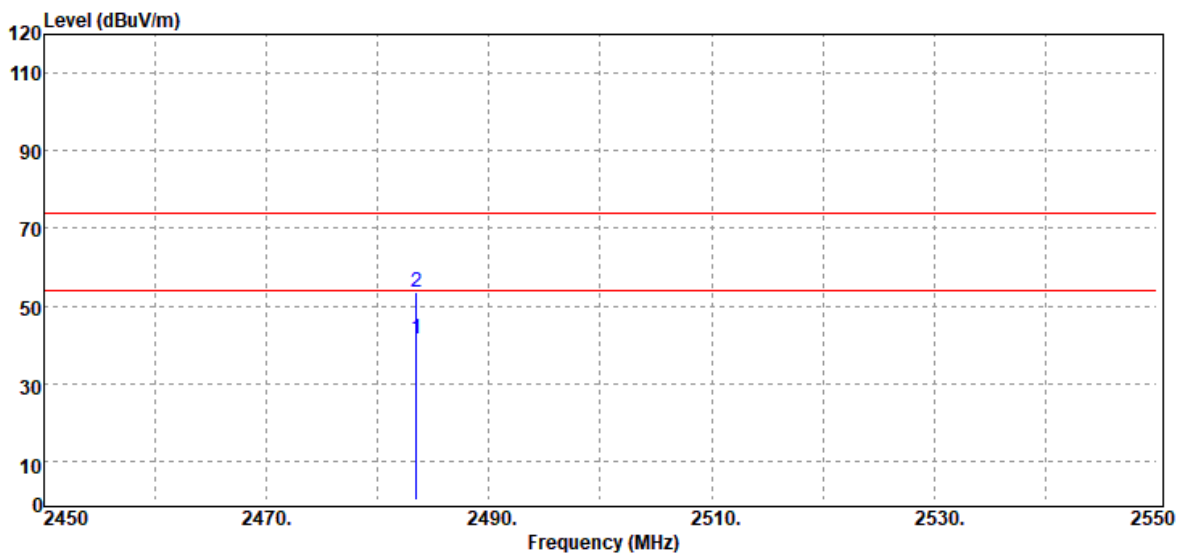


|           |                                      |               |                 |
|-----------|--------------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 High CH<br>2462MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                            | Test Date     | May 25, 2020    |
| Polarize  | Vertical                             | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                       |               |                 |



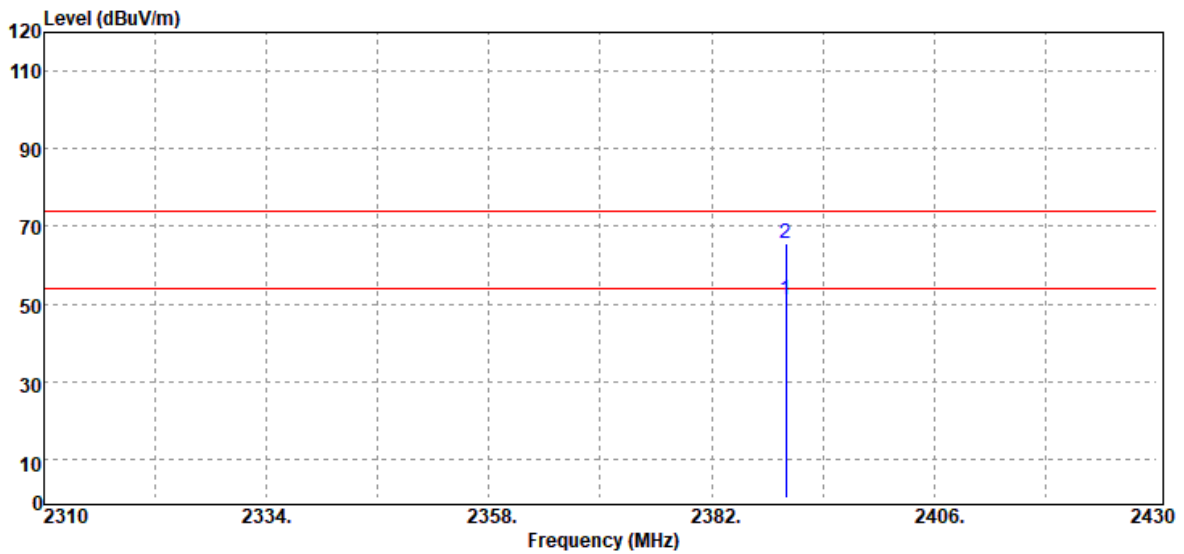
| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2483.50            | Average                        | 53.00                               | -2.71          | 50.29                    | 54.00                    | -3.71          |
| 2483.50            | Peak                           | 68.63                               | -2.71          | 65.92                    | 74.00                    | -8.08          |

|           |                                   |               |                 |
|-----------|-----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n20 High CH<br>2462MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                         | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                        | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                    |               |                 |



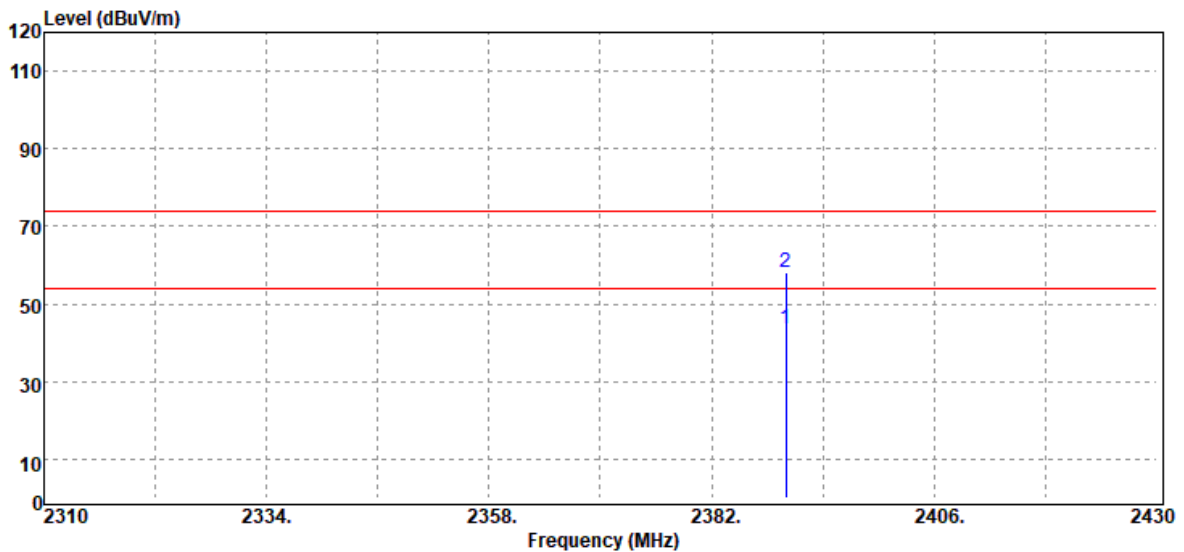
| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBuV) | Factor<br>(dB) | Actual<br>FS<br>(dBuV/m) | Limit<br>@3m<br>(dBuV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2483.50            | Average                        | 44.42                               | -2.71          | 41.71                    | 54.00                    | -12.29         |
| 2483.50            | Peak                           | 56.47                               | -2.71          | 53.76                    | 74.00                    | -20.24         |

|           |                                     |               |                 |
|-----------|-------------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 Low CH<br>2422MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                           | Test Date     | May 25, 2020    |
| Polarize  | Vertical                            | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                      | Test Voltage  |                 |



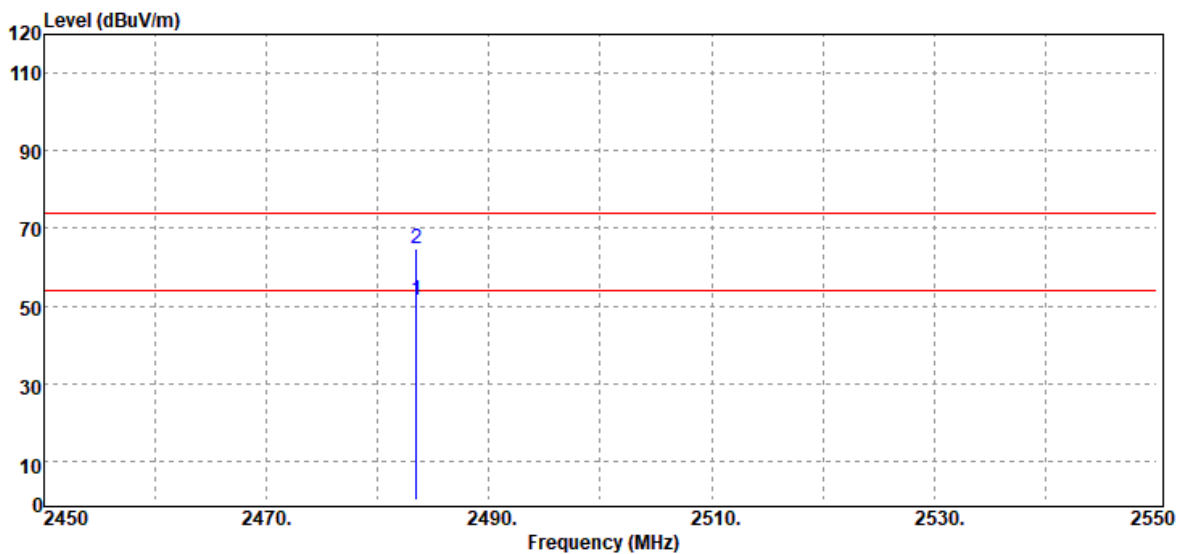
| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2390.00            | Average                        | 54.19                               | -3.17          | 51.02                    | 54.00                    | -2.98          |
| 2390.00            | Peak                           | 68.96                               | -3.17          | 65.79                    | 74.00                    | -8.21          |

|           |                                     |               |                 |
|-----------|-------------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 Low CH<br>2422MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                           | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                          | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                      | Test Voltage  |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2390.00            | Average                        | 46.90                               | -3.17          | 43.73                    | 54.00                    | -10.27         |
| 2390.00            | Peak                           | 61.23                               | -3.17          | 58.06                    | 74.00                    | -15.94         |

|           |                                      |               |                 |
|-----------|--------------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 High CH<br>2452MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                            | Test Date     | May 25, 2020    |
| Polarize  | Vertical                             | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                       | Test Voltage  |                 |

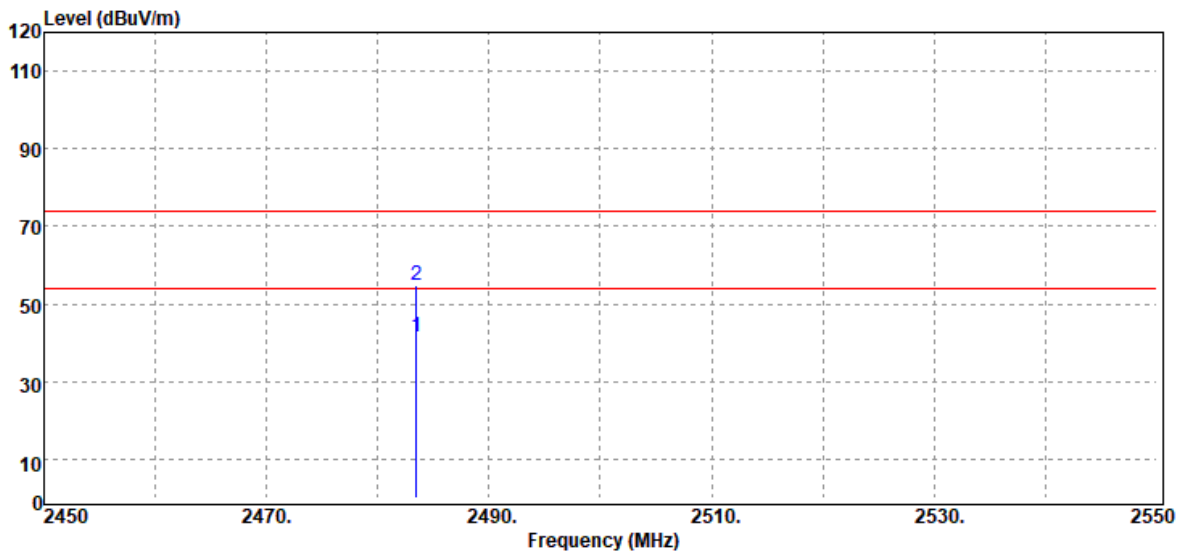


| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBuV) | Factor<br>(dB) | Actual<br>FS<br>(dBuV/m) | Limit<br>@3m<br>(dBuV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2483.50            | Average                        | 54.15                               | -2.71          | 51.44                    | 54.00                    | -2.56          |
| 2483.50            | Peak                           | 67.67                               | -2.71          | 64.96                    | 74.00                    | -9.04          |



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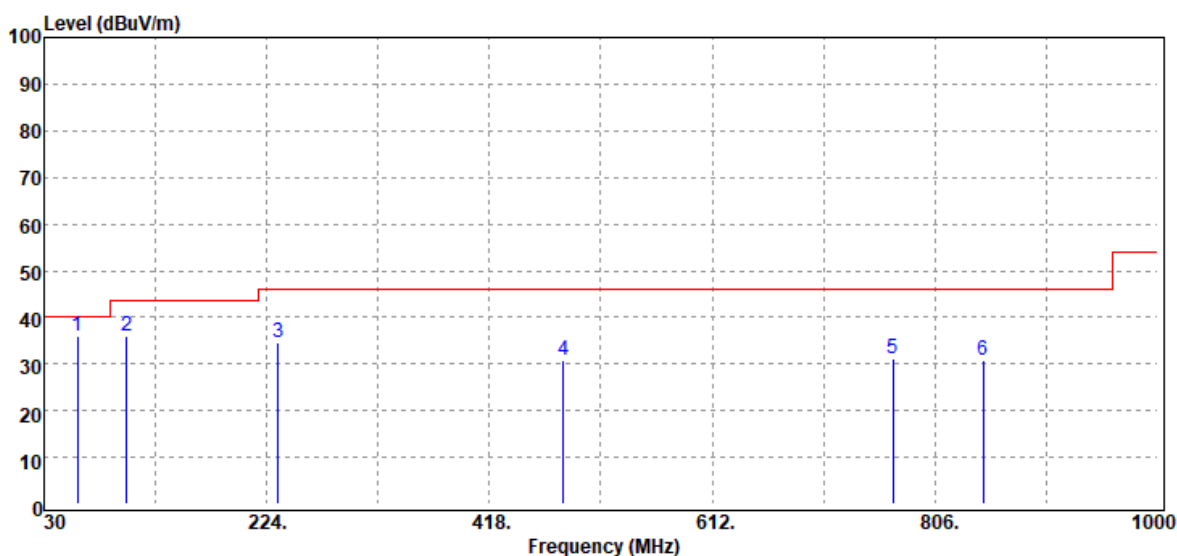
|           |                                      |               |                 |
|-----------|--------------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40<br>High CH 2452MHz | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Band Edge                            | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                           | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average                       | Test Voltage  |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>(PK/QP/AV) | Spectrum<br>Reading Level<br>(dBμV) | Factor<br>(dB) | Actual<br>FS<br>(dBμV/m) | Limit<br>@3m<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 2483.50            | Average                        | 44.34                               | -2.71          | 41.63                    | 54.00                    | -12.37         |
| 2483.50            | Peak                           | 57.53                               | -2.71          | 54.82                    | 74.00                    | -19.18         |

**Below 1G Test Data**

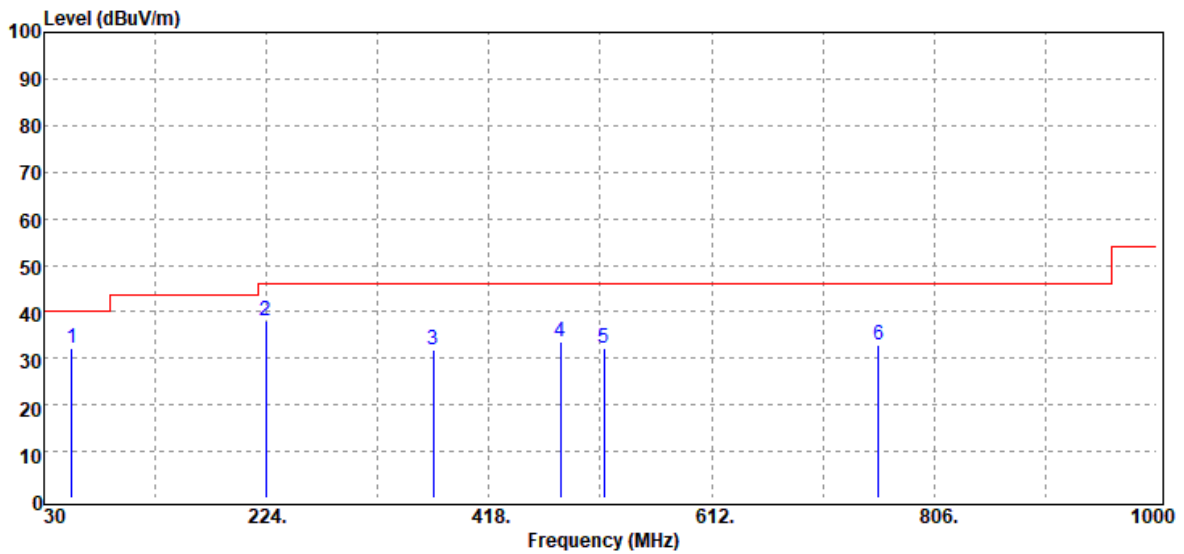
|           |            |               |                 |
|-----------|------------|---------------|-----------------|
| Test Mode | Mode 1     | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | 30MHz-1GHz | Test Date     | May 25, 2020    |
| Polarize  | Vertical   | Test Engineer | Jerry Chang     |
| Detector  | Peak       | Test Voltage  |                 |



| 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 |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 59.10        | Peak                         | 52.17                             | -16.05       | 36.12                  | 40.00                  | -3.88        |
| 101.78       | Peak                         | 48.29                             | -12.28       | 36.01                  | 43.50                  | -7.49        |
| 233.70       | Peak                         | 45.63                             | -10.94       | 34.69                  | 46.00                  | -11.31       |
| 482.02       | Peak                         | 33.99                             | -3.27        | 30.72                  | 46.00                  | -15.28       |
| 769.14       | Peak                         | 29.81                             | 1.18         | 30.99                  | 46.00                  | -15.01       |
| 847.71       | Peak                         | 28.30                             | 2.54         | 30.84                  | 46.00                  | -15.16       |

*Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)*

|           |            |               |                 |
|-----------|------------|---------------|-----------------|
| Test Mode | Mode 1     | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | 30MHz-1GHz | Test Date     | May 25, 2020    |
| Polarize  | Horizontal | Test Engineer | Jerry Chang     |
| Detector  | Peak       | Test Voltage  |                 |



| 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 |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 54.25        | Peak                         | 48.03                             | -16.01       | 32.02                  | 40.00                  | -7.98        |
| 223.03       | Peak                         | 49.69                             | -11.58       | 38.11                  | 46.00                  | -7.89        |
| 369.50       | Peak                         | 38.36                             | -6.62        | 31.74                  | 46.00                  | -14.26       |
| 480.08       | Peak                         | 36.92                             | -3.26        | 33.66                  | 46.00                  | -12.34       |
| 517.91       | Peak                         | 35.24                             | -3.07        | 32.17                  | 46.00                  | -13.83       |
| 757.50       | Peak                         | 31.79                             | 0.95         | 32.74                  | 46.00                  | -13.26       |

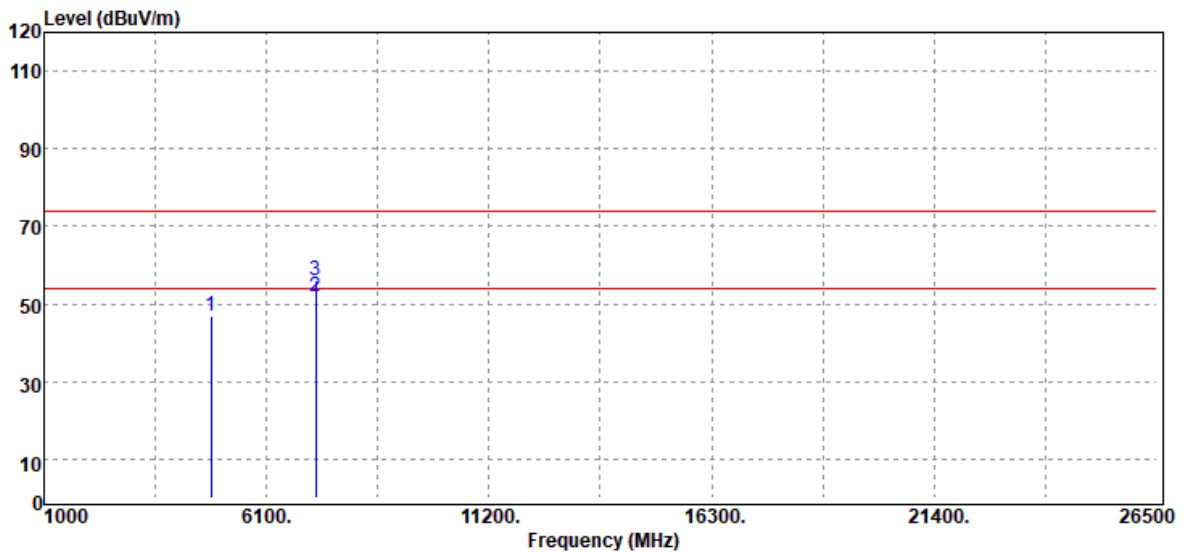
Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)



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### Above 1G Test Data

|           |                     |               |                 |
|-----------|---------------------|---------------|-----------------|
| Test Mode | IEEE 802.11b Low CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic            | Test Date     | May 25, 2020    |
| Polarize  | Vertical            | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average      |               |                 |

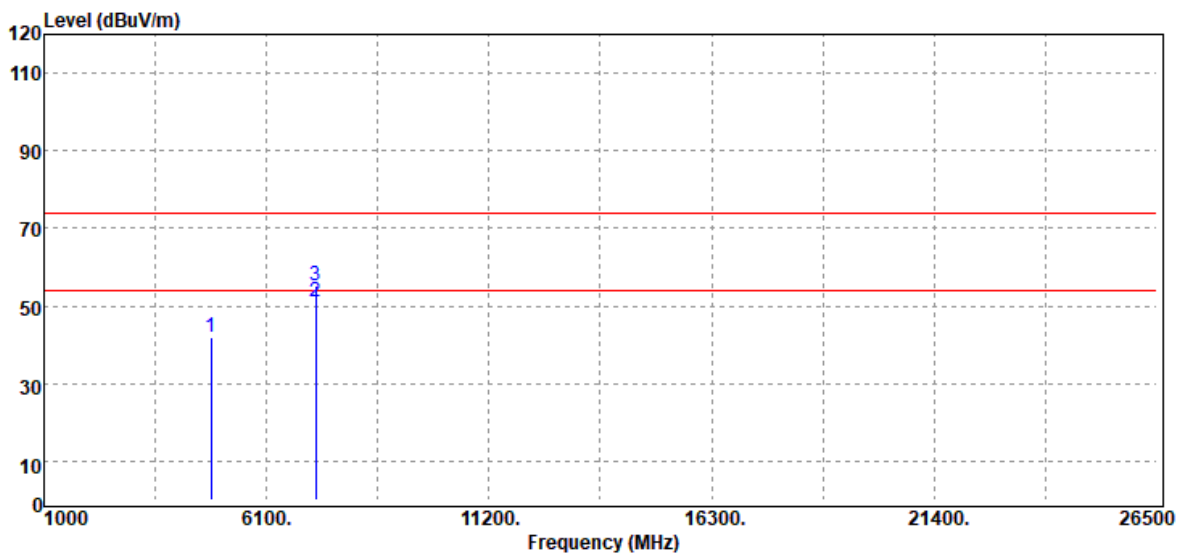


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4824.00      | Peak                         | 43.48                             | 3.35         | 46.83                  | 74.00                  | -27.17       |
| 7236.00      | Average                      | 41.03                             | 10.79        | 51.82                  | 54.00                  | -2.18        |
| 7236.00      | Peak                         | 45.19                             | 10.79        | 55.98                  | 74.00                  | -18.02       |
| N/A          |                              |                                   |              |                        |                        |              |

#### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

|           |                     |               |                 |
|-----------|---------------------|---------------|-----------------|
| Test Mode | IEEE 802.11b Low CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic            | Test Date     | May 25, 2020    |
| Polarize  | Horizontal          | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average      |               |                 |

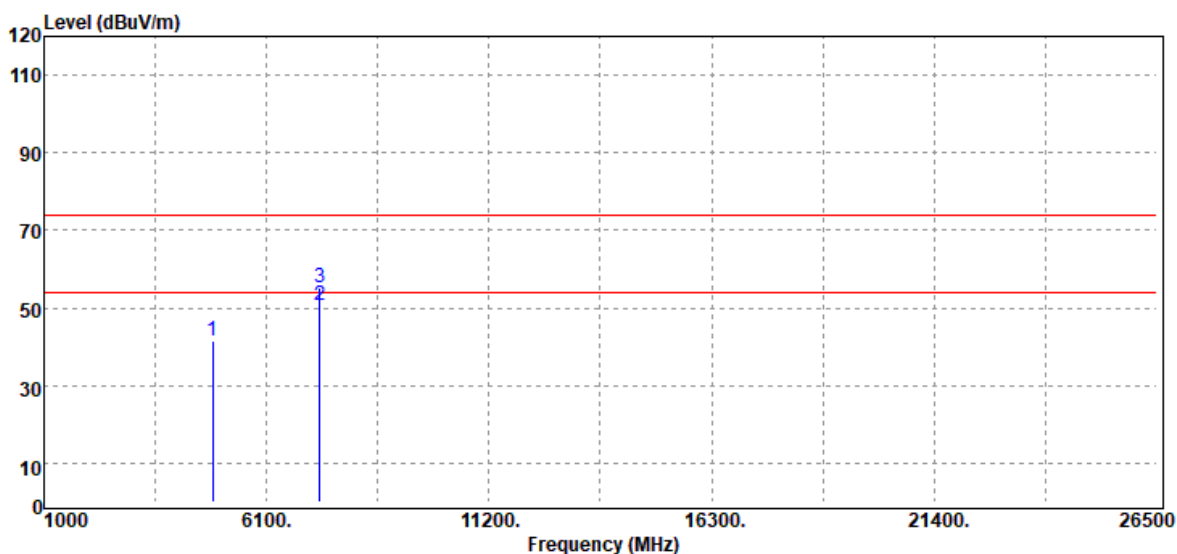


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4824.00      | Peak                         | 38.74                             | 3.35         | 42.09                  | 74.00                  | -31.91       |
| 7236.00      | Average                      | 40.14                             | 10.79        | 50.93                  | 54.00                  | -3.07        |
| 7236.00      | Peak                         | 44.37                             | 10.79        | 55.16                  | 74.00                  | -18.84       |
| N/A          |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

|           |                     |               |                 |
|-----------|---------------------|---------------|-----------------|
| Test Mode | IEEE 802.11b Mid CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic            | Test Date     | May 25, 2020    |
| Polarize  | Vertical            | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average      |               |                 |

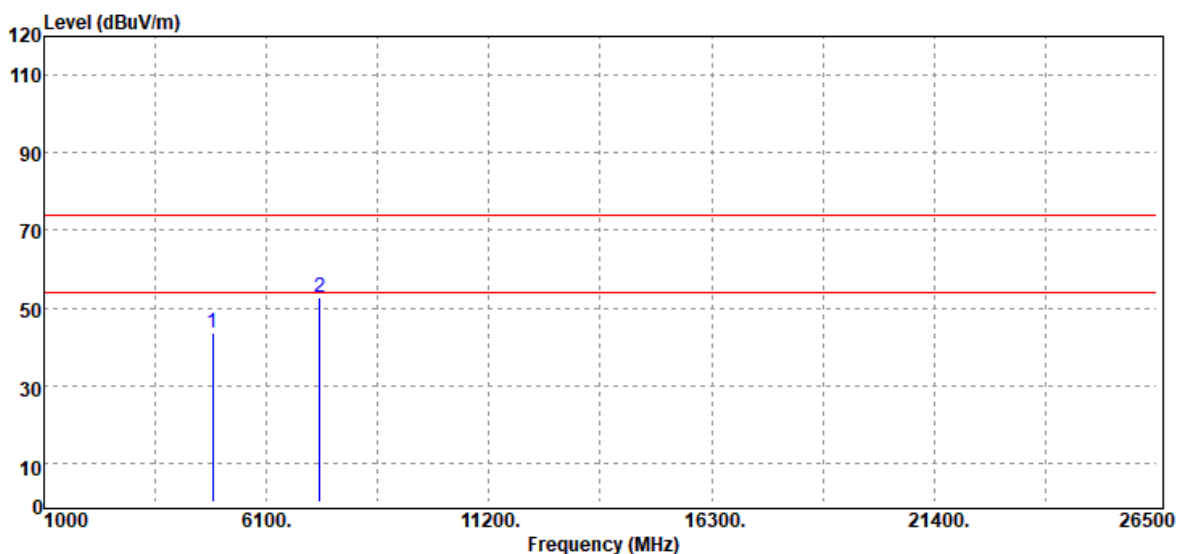


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4874.00      | Peak                         | 38.07                             | 3.48         | 41.55                  | 74.00                  | -32.45       |
| 7311.00      | Average                      | 39.66                             | 11.06        | 50.72                  | 54.00                  | -3.28        |
| 7311.00      | Peak                         | 44.00                             | 11.06        | 55.06                  | 74.00                  | -18.94       |
| N/A          |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

|           |                     |               |                 |
|-----------|---------------------|---------------|-----------------|
| Test Mode | IEEE 802.11b Mid CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic            | Test Date     | May 25, 2020    |
| Polarize  | Horizontal          | Test Engineer | Jerry Chang     |
| Detector  | Peak                |               |                 |

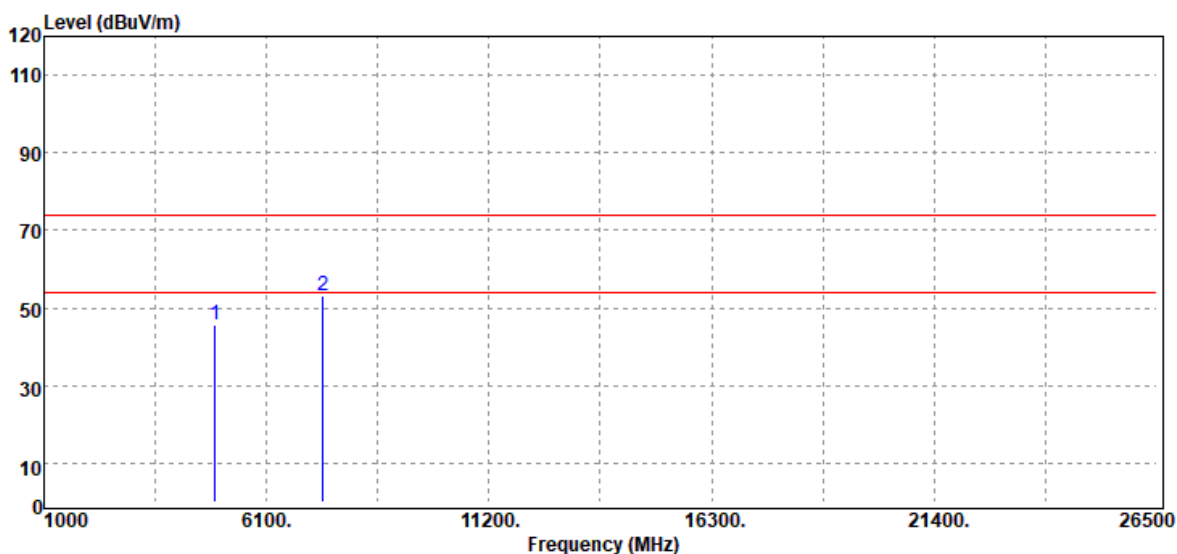


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4874.00      | Peak                         | 40.24                                   | 3.48         | 43.72                        | 74.00                        | -30.28       |
| 7311.00      | Peak                         | 41.82                                   | 11.06        | 52.88                        | 74.00                        | -21.12       |
| N/A          |                              |                                         |              |                              |                              |              |
|              |                              |                                         |              |                              |                              |              |

**Remark:**

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

|           |                      |               |                 |
|-----------|----------------------|---------------|-----------------|
| Test Mode | IEEE 802.11b High CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic             | Test Date     | May 25, 2020    |
| Polarize  | Vertical             | Test Engineer | Jerry Chang     |
| Detector  | Peak                 |               |                 |



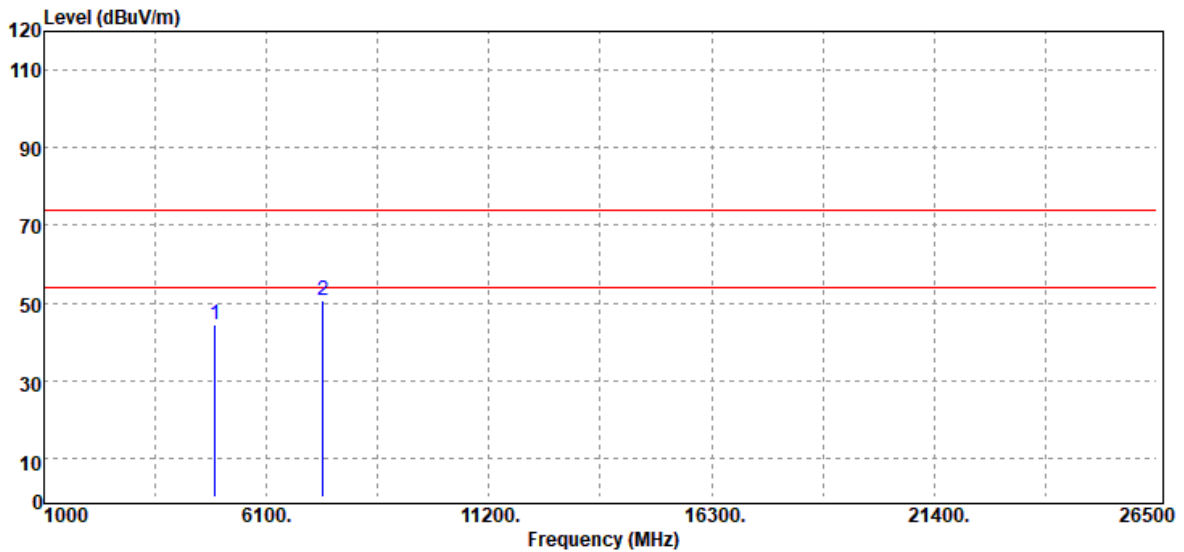
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4924.00      | Peak                         | 41.52                                   | 4.01         | 45.53                        | 74.00                        | -28.47       |
| 7386.00      | Peak                         | 42.53                                   | 10.80        | 53.33                        | 74.00                        | -20.67       |
| N/A          |                              |                                         |              |                              |                              |              |
|              |                              |                                         |              |                              |                              |              |

**Remark:**

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

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|           |                      |               |                 |
|-----------|----------------------|---------------|-----------------|
| Test Mode | IEEE 802.11b High CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic             | Test Date     | May 25, 2020    |
| Polarize  | Horizontal           | Test Engineer | Jerry Chang     |
| Detector  | Peak                 |               |                 |

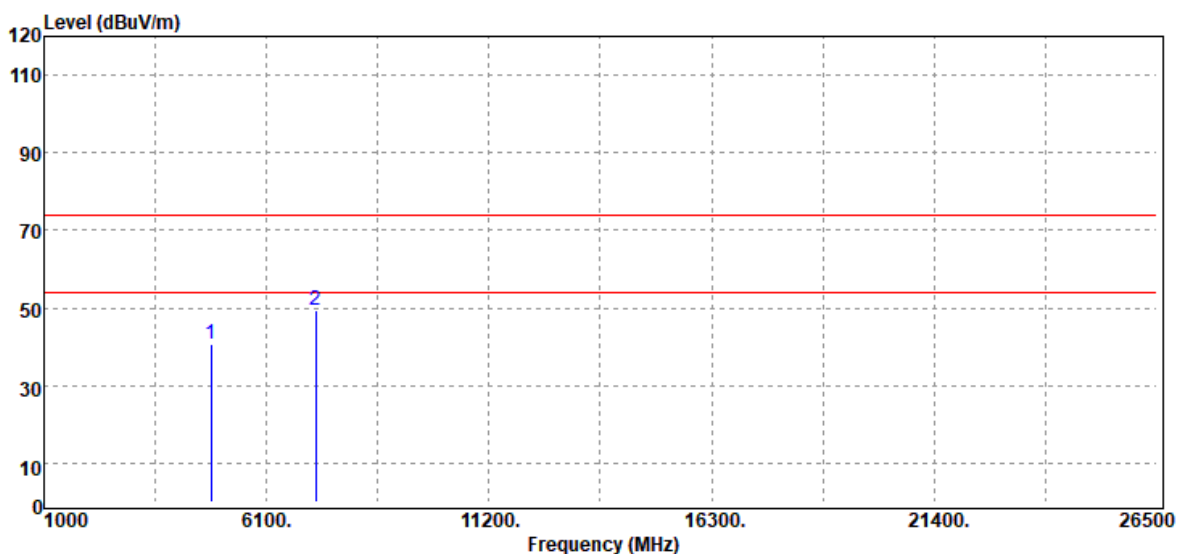


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4924.00      | Peak                         | 40.46                             | 4.01         | 44.47                  | 74.00                  | -29.53       |
| 7386.00      | Peak                         | 39.85                             | 10.80        | 50.65                  | 74.00                  | -23.35       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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

|           |                     |               |                 |
|-----------|---------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g Low CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic            | Test Date     | May 25, 2020    |
| Polarize  | Vertical            | Test Engineer | Jerry Chang     |
| Detector  | Peak                |               |                 |

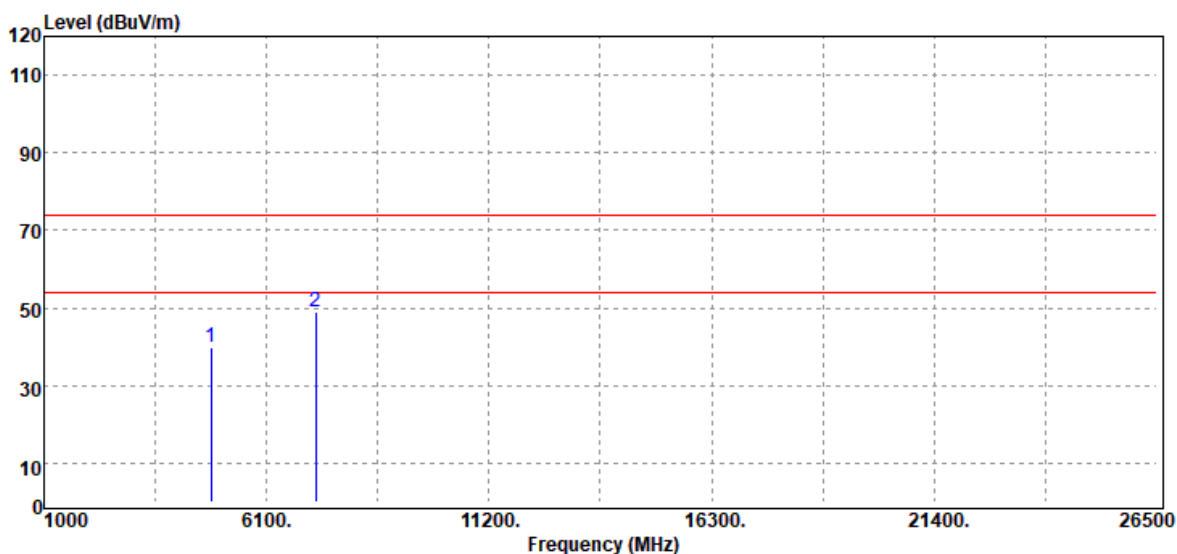


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4824.00      | Peak                         | 37.26                                   | 3.35         | 40.61                        | 74.00                        | -33.39       |
| 7236.00      | Peak                         | 38.65                                   | 10.79        | 49.44                        | 74.00                        | -24.56       |
| N/A          |                              |                                         |              |                              |                              |              |
|              |                              |                                         |              |                              |                              |              |

**Remark:**

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

|           |                     |               |                 |
|-----------|---------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g Low CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic            | Test Date     | May 25, 2020    |
| Polarize  | Horizontal          | Test Engineer | Jerry Chang     |
| Detector  | Peak                |               |                 |



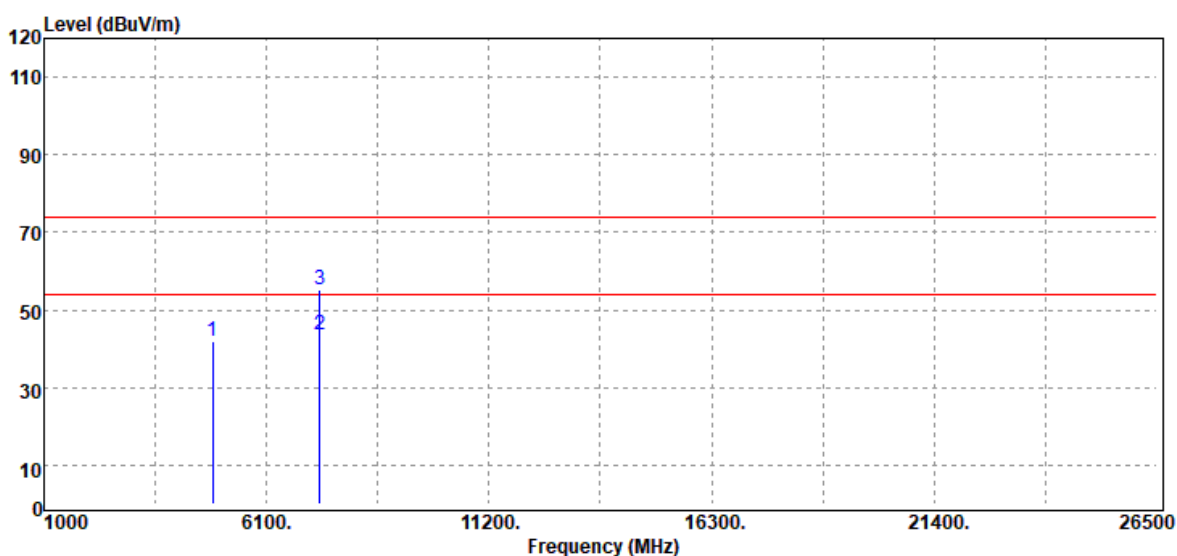
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4824.00      | Peak                         | 36.36                             | 3.35         | 39.71                  | 74.00                  | -34.29       |
| 7236.00      | Peak                         | 38.27                             | 10.79        | 49.06                  | 74.00                  | -24.94       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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



|           |                     |               |                 |
|-----------|---------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g Mid CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic            | Test Date     | May 25, 2020    |
| Polarize  | Vertical            | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average      |               |                 |

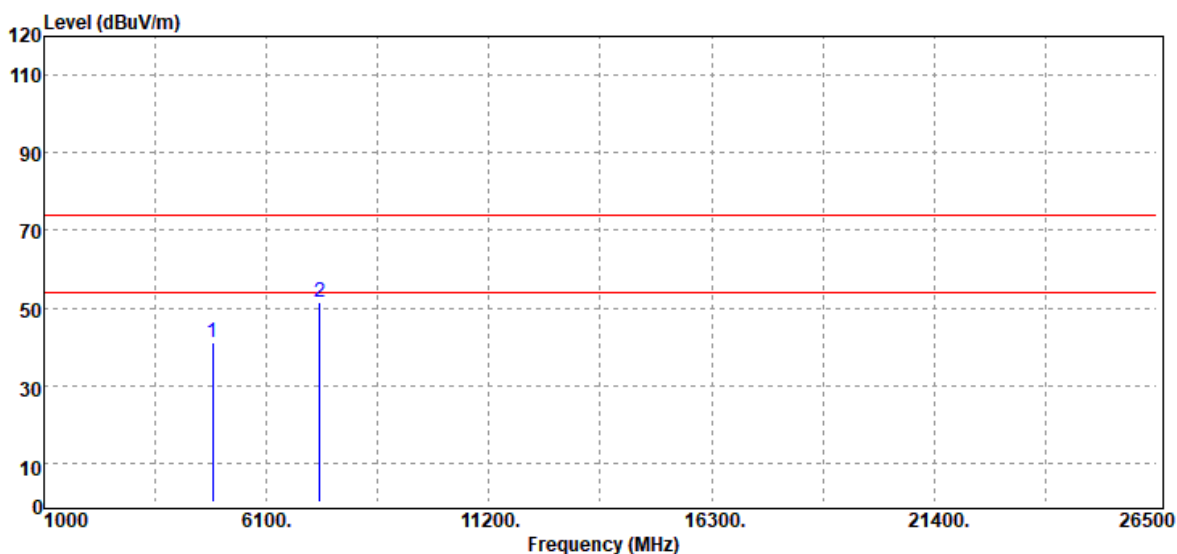


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4874.00      | Peak                         | 38.29                                   | 3.48         | 41.77                        | 74.00                        | -32.23       |
| 7311.00      | Average                      | 32.70                                   | 11.06        | 43.76                        | 54.00                        | -10.24       |
| 7311.00      | Peak                         | 44.16                                   | 11.06        | 55.22                        | 74.00                        | -18.78       |
| N/A          |                              |                                         |              |                              |                              |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

|           |                     |               |                 |
|-----------|---------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g Mid CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic            | Test Date     | May 25, 2020    |
| Polarize  | Horizontal          | Test Engineer | Jerry Chang     |
| Detector  | Peak                |               |                 |

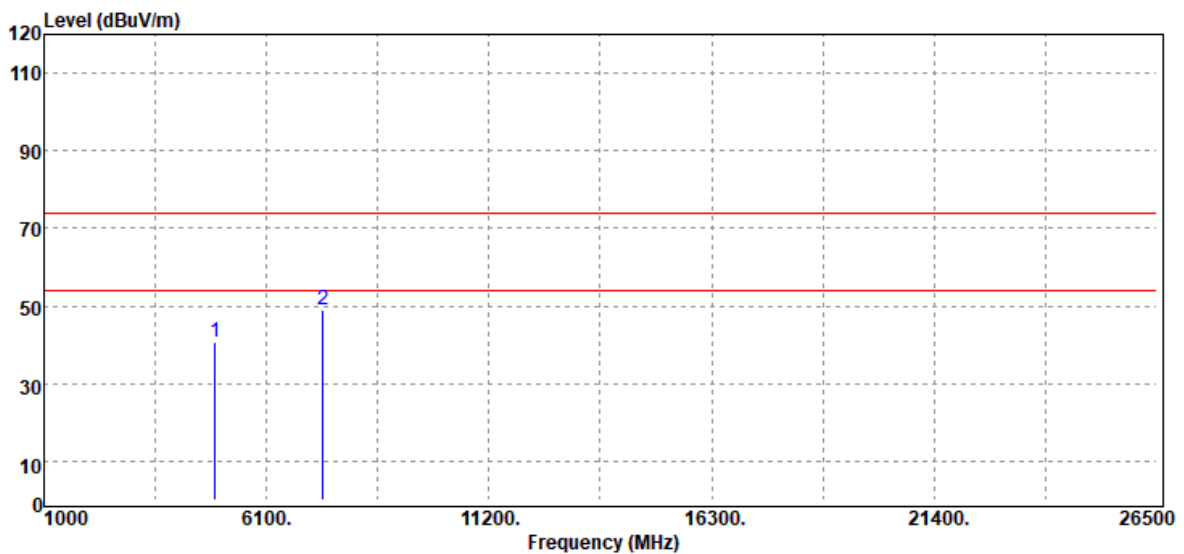


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4874.00      | Peak                         | 37.65                             | 3.48         | 41.13                  | 74.00                  | -32.87       |
| 7311.00      | Peak                         | 40.41                             | 11.06        | 51.47                  | 74.00                  | -22.53       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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

|           |                      |               |                 |
|-----------|----------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g High CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic             | Test Date     | May 25, 2020    |
| Polarize  | Vertical             | Test Engineer | Jerry Chang     |
| Detector  | Peak                 |               |                 |

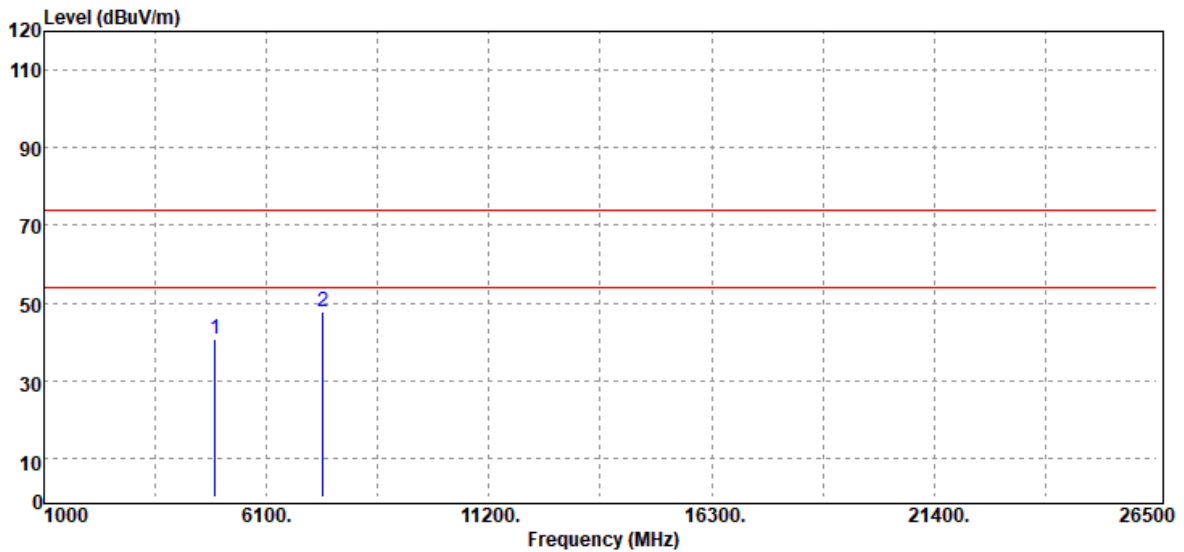


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4924.00      | Peak                         | 36.62                             | 4.01         | 40.63                  | 74.00                  | -33.37       |
| 7386.00      | Peak                         | 38.38                             | 10.80        | 49.18                  | 74.00                  | -24.82       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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

|           |                      |               |                 |
|-----------|----------------------|---------------|-----------------|
| Test Mode | IEEE 802.11g High CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic             | Test Date     | May 25, 2020    |
| Polarize  | Horizontal           | Test Engineer | Jerry Chang     |
| Detector  | Peak                 |               |                 |

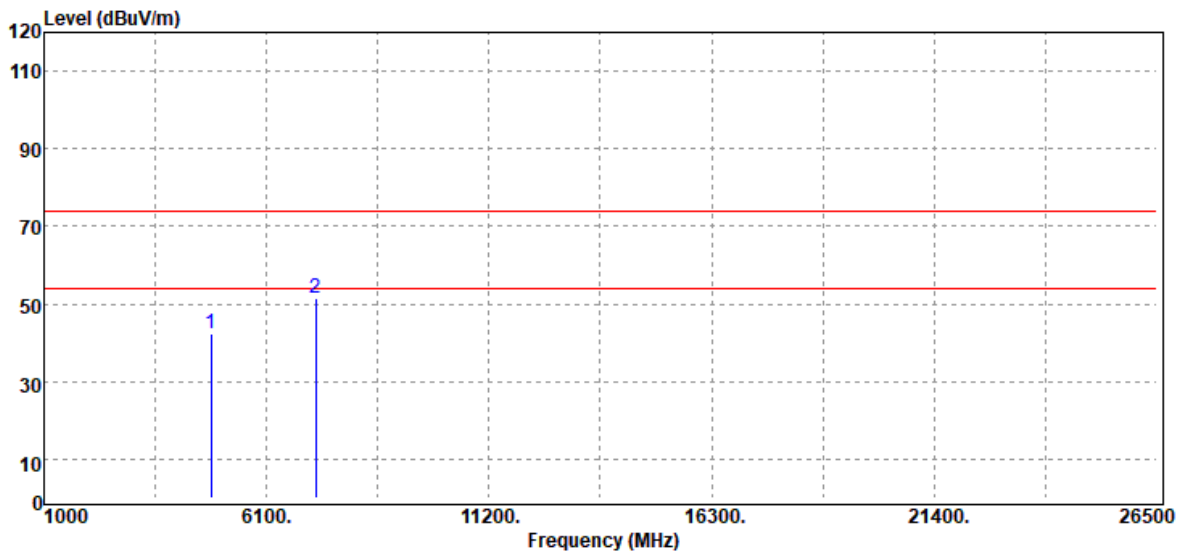


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4924.00      | Peak                         | 36.89                                   | 4.01         | 40.90                        | 74.00                        | -33.10       |
| 7386.00      | Peak                         | 36.79                                   | 10.80        | 47.59                        | 74.00                        | -26.41       |
| N/A          |                              |                                         |              |                              |                              |              |
|              |                              |                                         |              |                              |                              |              |

**Remark:**

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

|           |                          |               |                 |
|-----------|--------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 Low CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                 | Test Date     | May 25, 2020    |
| Polarize  | Vertical                 | Test Engineer | Jerry Chang     |
| Detector  | Peak                     |               |                 |

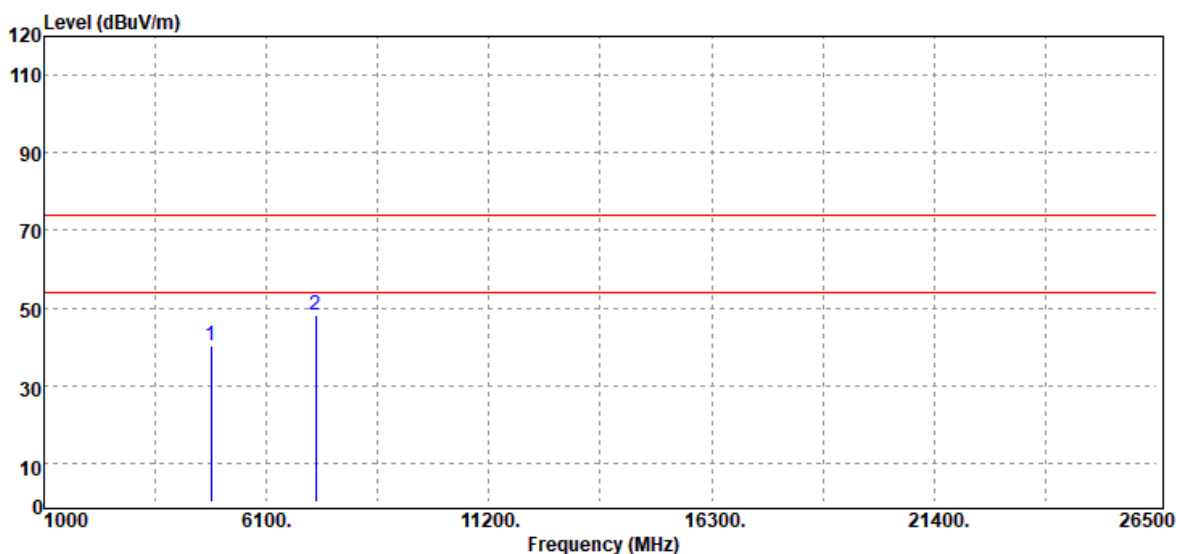


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4824.00      | Peak                         | 38.87                                   | 3.35         | 42.22                        | 74.00                        | -31.78       |
| 7236.00      | Peak                         | 40.66                                   | 10.79        | 51.45                        | 74.00                        | -22.55       |
| N/A          |                              |                                         |              |                              |                              |              |
|              |                              |                                         |              |                              |                              |              |

**Remark:**

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

|           |                          |               |                 |
|-----------|--------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 Low CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                 | Test Date     | May 25, 2020    |
| Polarize  | Horizontal               | Test Engineer | Jerry Chang     |
| Detector  | Peak                     |               |                 |

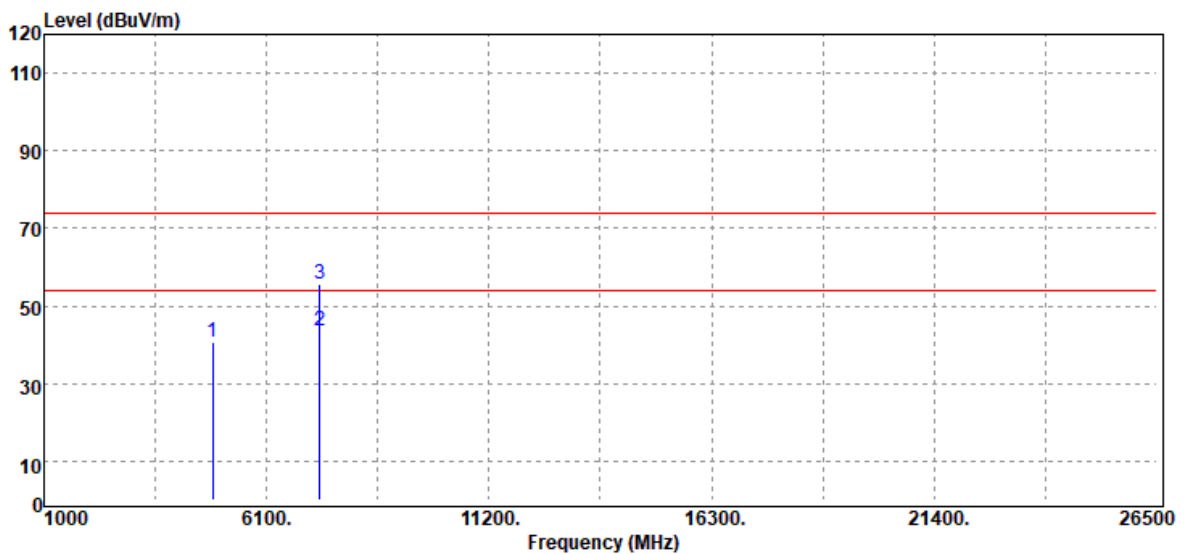


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4824.00      | Peak                         | 37.07                             | 3.35         | 40.42                  | 74.00                  | -33.58       |
| 7236.00      | Peak                         | 37.40                             | 10.79        | 48.19                  | 74.00                  | -25.81       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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

|           |                          |               |                 |
|-----------|--------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 Mid CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                 | Test Date     | May 25, 2020    |
| Polarize  | Vertical                 | Test Engineer | Jerry Chang     |
| Detector  | Peak & Average           |               |                 |

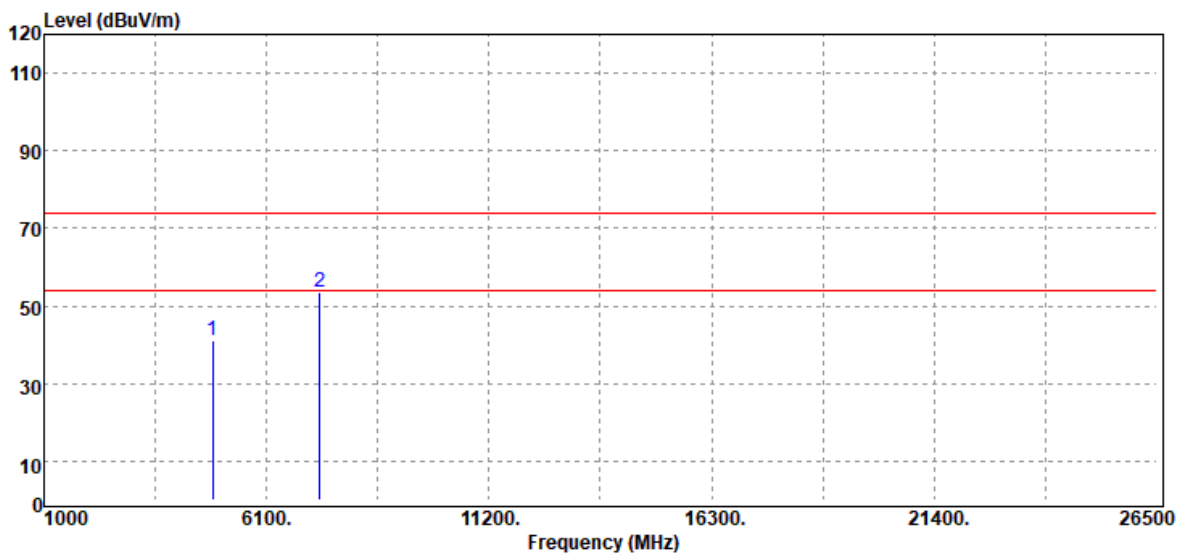


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4874.00      | Peak                         | 37.02                             | 3.48         | 40.50                  | 74.00                  | -33.50       |
| 7311.00      | Average                      | 32.63                             | 11.06        | 43.69                  | 54.00                  | -10.31       |
| 7311.00      | Peak                         | 44.77                             | 11.06        | 55.83                  | 74.00                  | -18.17       |
| N/A          |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

|           |                          |               |                 |
|-----------|--------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 Mid CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                 | Test Date     | May 25, 2020    |
| Polarize  | Horizontal               | Test Engineer | Jerry Chang     |
| Detector  | Peak                     |               |                 |



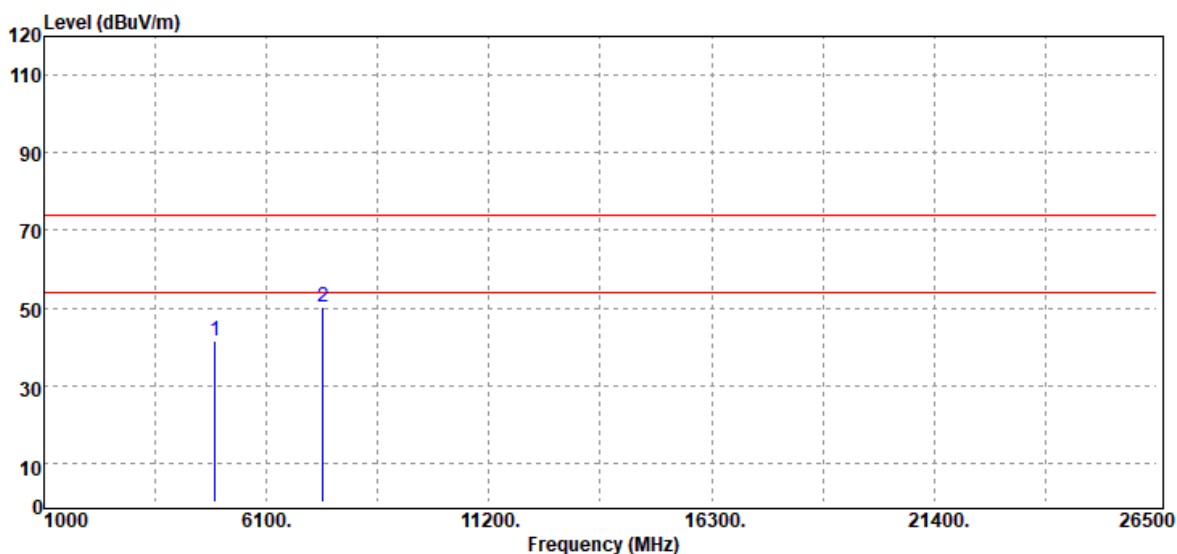
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4874.00      | Peak                         | 37.74                             | 3.48         | 41.22                  | 74.00                  | -32.78       |
| 7311.00      | Peak                         | 42.41                             | 11.06        | 53.47                  | 74.00                  | -20.53       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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



|           |                           |               |                 |
|-----------|---------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 High CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                  | Test Date     | May 25, 2020    |
| Polarize  | Vertical                  | Test Engineer | Jerry Chang     |
| Detector  | Peak                      |               |                 |

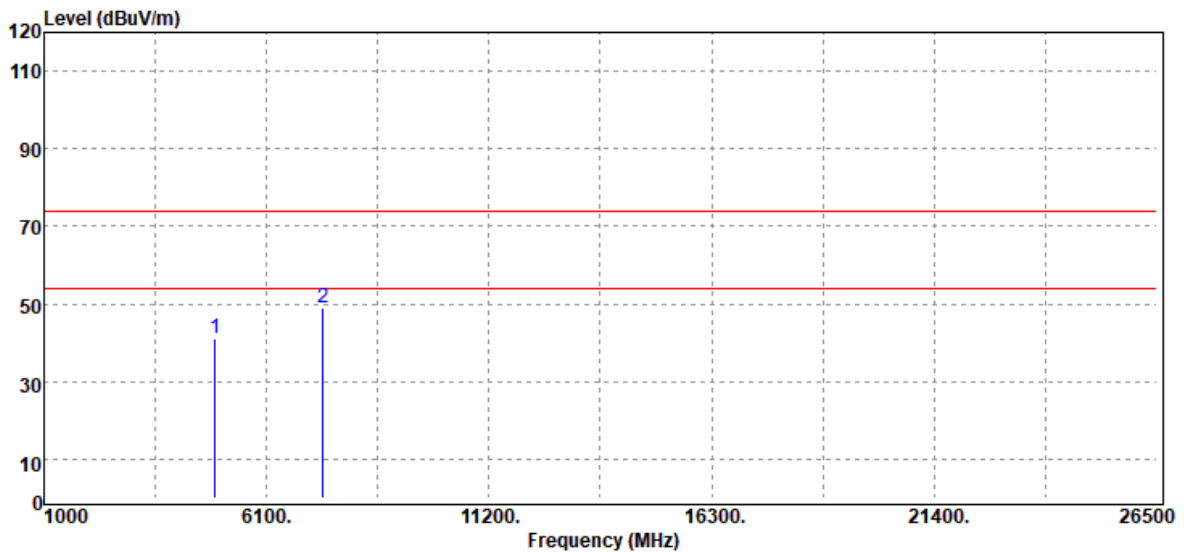


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4924.00      | Peak                         | 37.41                             | 4.01         | 41.42                  | 74.00                  | -32.58       |
| 7386.00      | Peak                         | 39.59                             | 10.80        | 50.39                  | 74.00                  | -23.61       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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

|           |                           |               |                 |
|-----------|---------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 High CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                  | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                | Test Engineer | Jerry Chang     |
| Detector  | Peak                      |               |                 |

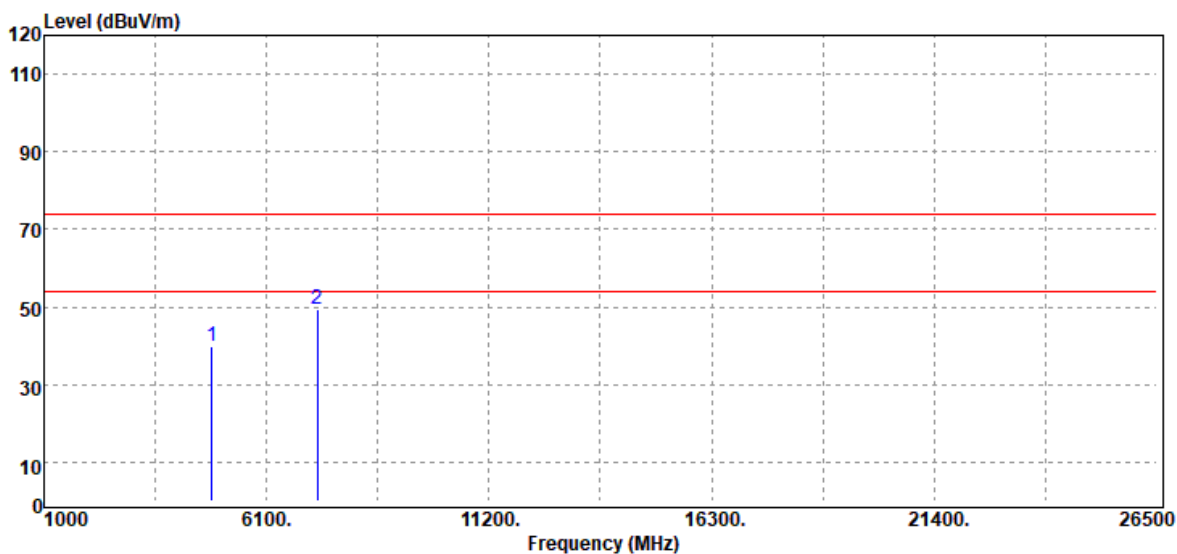


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4924.00      | Peak                         | 37.21                             | 4.01         | 41.22                  | 74.00                  | -32.78       |
| 7386.00      | Peak                         | 38.23                             | 10.80        | 49.03                  | 74.00                  | -24.97       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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

|           |                          |               |                 |
|-----------|--------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 Low CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                 | Test Date     | May 25, 2020    |
| Polarize  | Vertical                 | Test Engineer | Jerry Chang     |
| Detector  | Peak                     |               |                 |

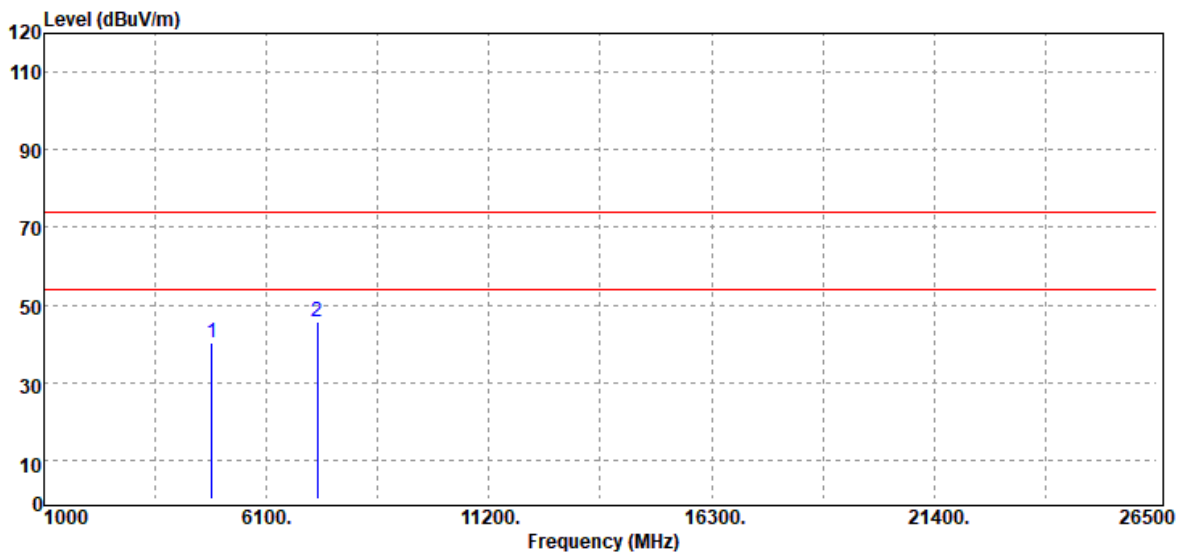


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4844.00      | Peak                         | 36.42                             | 3.35         | 39.77                  | 74.00                  | -34.23       |
| 7266.00      | Peak                         | 38.69                             | 10.88        | 49.57                  | 74.00                  | -24.43       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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

|           |                          |               |                 |
|-----------|--------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 Low CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                 | Test Date     | May 25, 2020    |
| Polarize  | Horizontal               | Test Engineer | Jerry Chang     |
| Detector  | Peak                     |               |                 |

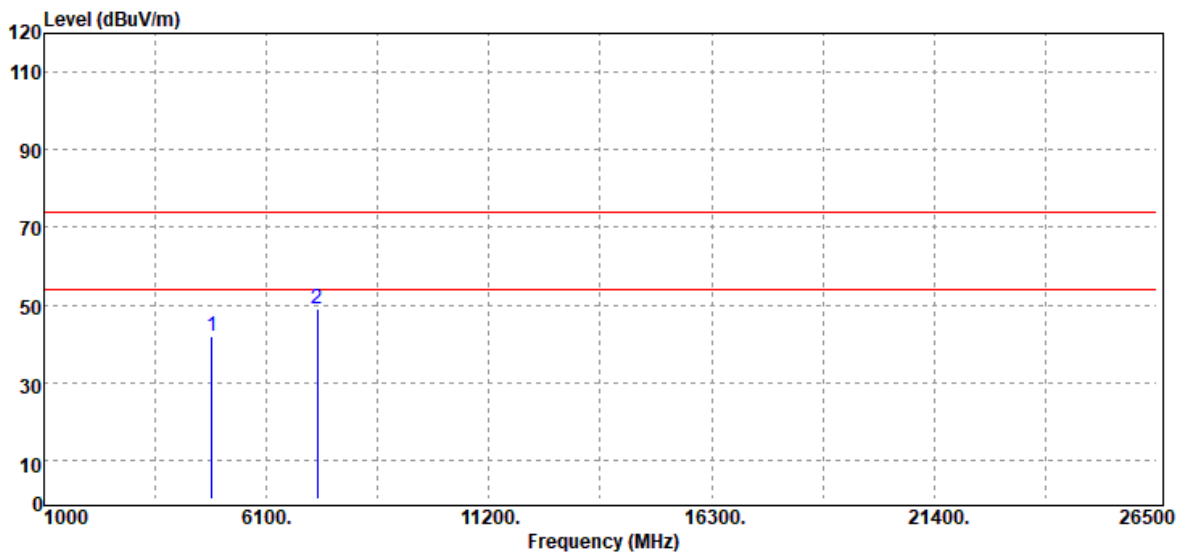


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4844.00      | Peak                         | 36.92                                   | 3.35         | 40.27                        | 74.00                        | -33.73       |
| 7266.00      | Peak                         | 34.93                                   | 10.88        | 45.81                        | 74.00                        | -28.19       |
| N/A          |                              |                                         |              |                              |                              |              |
|              |                              |                                         |              |                              |                              |              |

**Remark:**

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

|           |                          |               |                 |
|-----------|--------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 Mid CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                 | Test Date     | May 25, 2020    |
| Polarize  | Vertical                 | Test Engineer | Jerry Chang     |
| Detector  | Peak                     |               |                 |

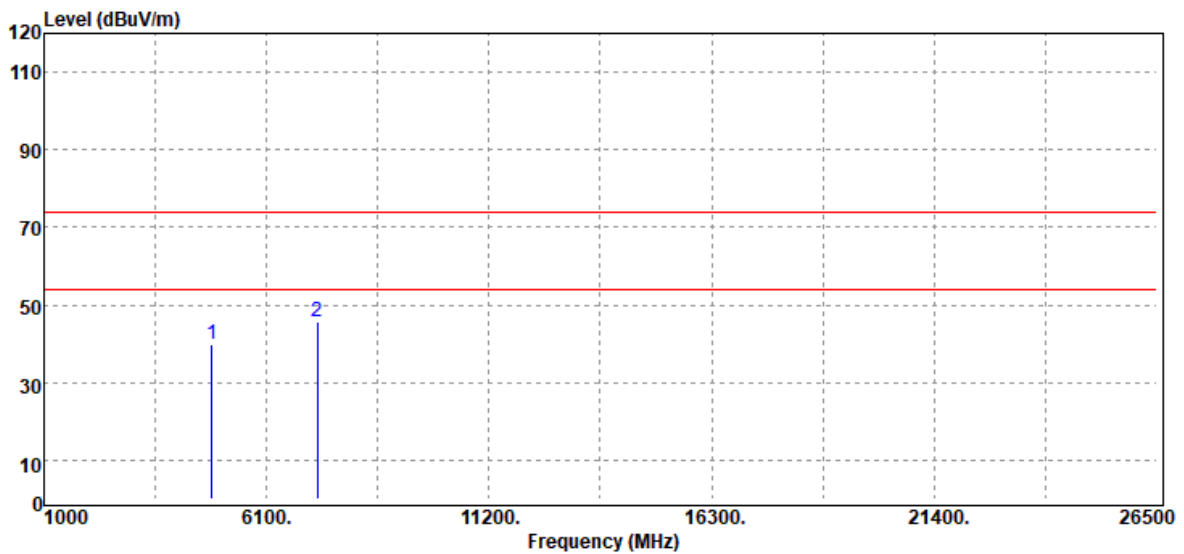


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4844.00      | Peak                         | 38.59                             | 3.35         | 41.94                  | 74.00                  | -32.06       |
| 7266.00      | Peak                         | 38.22                             | 10.88        | 49.10                  | 74.00                  | -24.90       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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

|           |                          |               |                 |
|-----------|--------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 Mid CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                 | Test Date     | May 25, 2020    |
| Polarize  | Horizontal               | Test Engineer | Jerry Chang     |
| Detector  | Peak                     |               |                 |

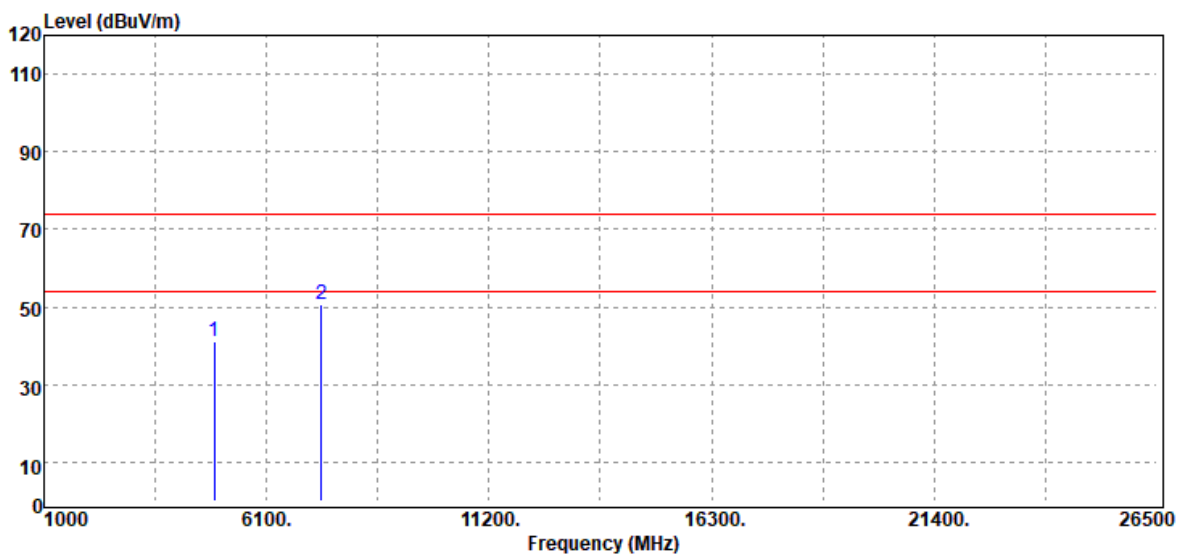


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4844.00      | Peak                         | 36.63                                   | 3.35         | 39.98                        | 74.00                        | -34.02       |
| 7266.00      | Peak                         | 34.84                                   | 10.88        | 45.72                        | 74.00                        | -28.28       |
| N/A          |                              |                                         |              |                              |                              |              |
|              |                              |                                         |              |                              |                              |              |

**Remark:**

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

|           |                           |               |                 |
|-----------|---------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 High CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                  | Test Date     | May 25, 2020    |
| Polarize  | Vertical                  | Test Engineer | Jerry Chang     |
| Detector  | Peak                      |               |                 |

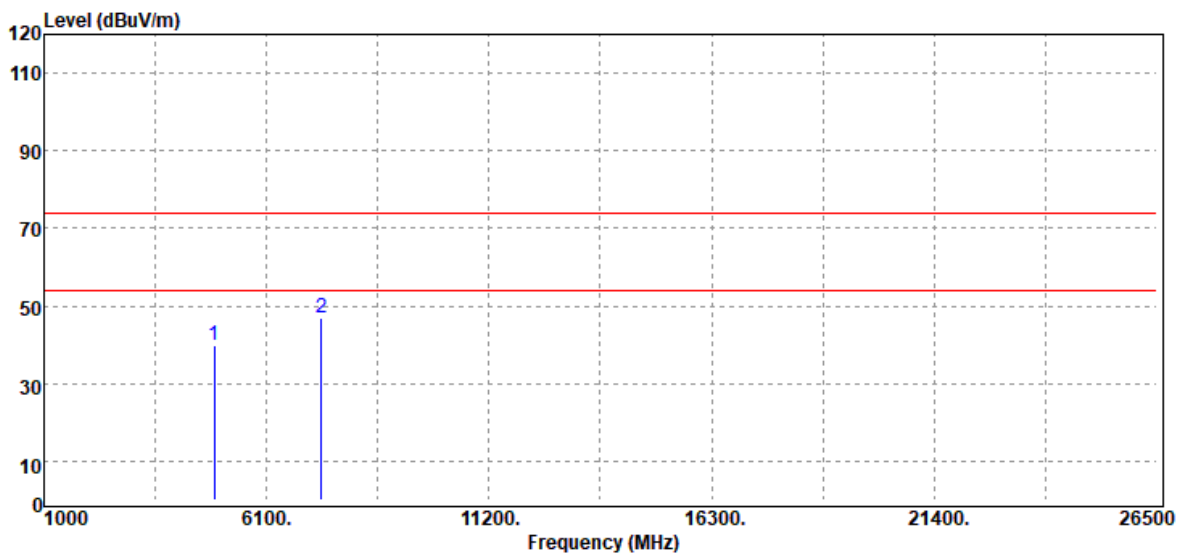


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 4904.00      | Peak                         | 37.28                                   | 3.69         | 40.97                        | 74.00                        | -33.03       |
| 7356.00      | Peak                         | 39.62                                   | 10.89        | 50.51                        | 74.00                        | -23.49       |
| N/A          |                              |                                         |              |                              |                              |              |
|              |                              |                                         |              |                              |                              |              |

**Remark:**

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

|           |                           |               |                 |
|-----------|---------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 High CH | Temp/Hum      | 25.3(°C)/ 61%RH |
| Test Item | Harmonic                  | Test Date     | May 25, 2020    |
| Polarize  | Horizontal                | Test Engineer | Jerry Chang     |
| Detector  | Peak                      |               |                 |



| 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 |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 4904.00      | Peak                         | 36.12                             | 3.69         | 39.81                  | 74.00                  | -34.19       |
| 7356.00      | Peak                         | 35.92                             | 10.89        | 46.81                  | 74.00                  | -27.19       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

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

**- End of Test Report -**