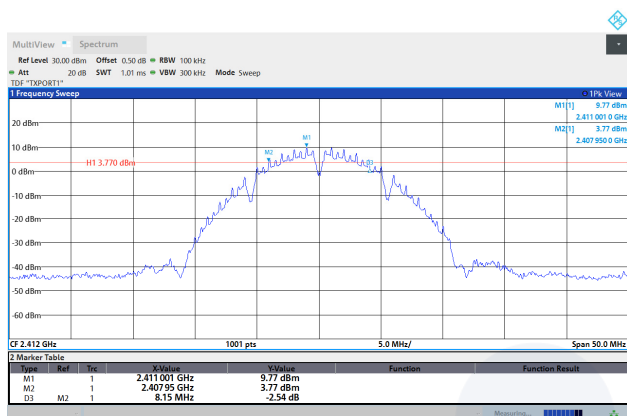
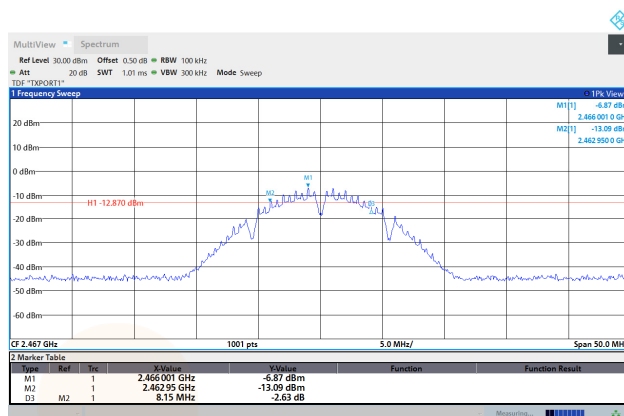


In order to simplify the report, attached plots were the worst case per channel  
SISO\_ANT1

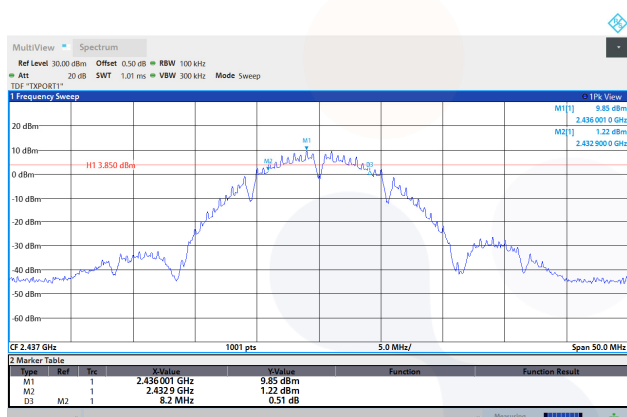
802.11b / 2 412 MHz



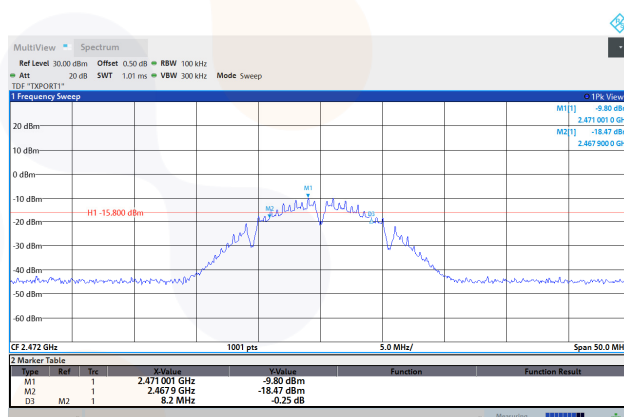
802.11b / 2 467 MHz



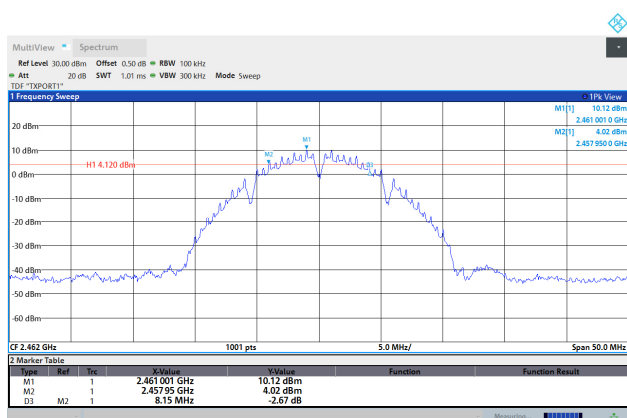
802.11b / 2 437 MHz



802.11b / 2 472 MHz



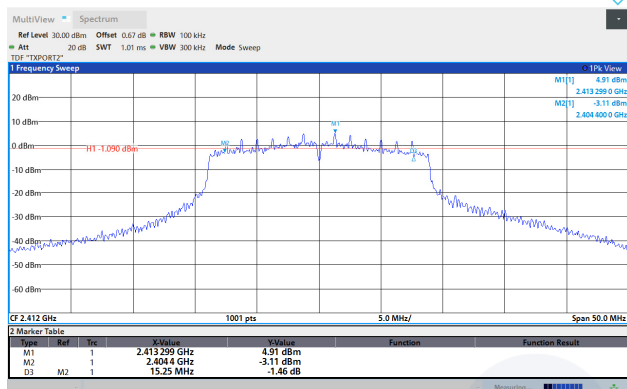
802.11b / 2 462 MHz



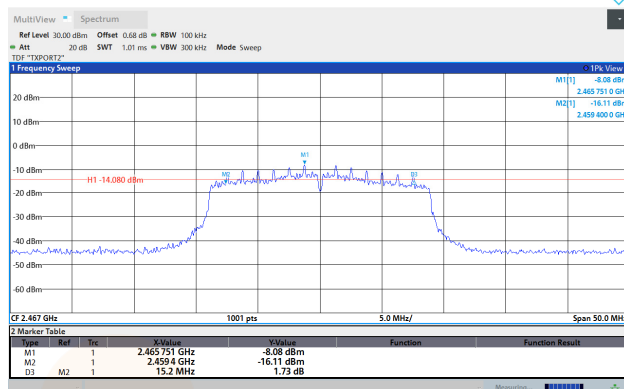
Blank

## SISO\_ANT2

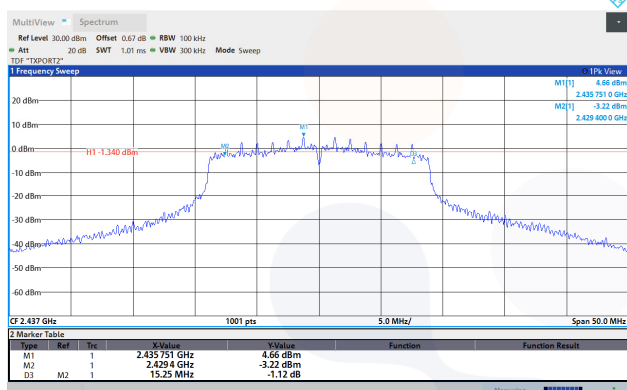
### 802.11n HT20 / 2 412 MHz



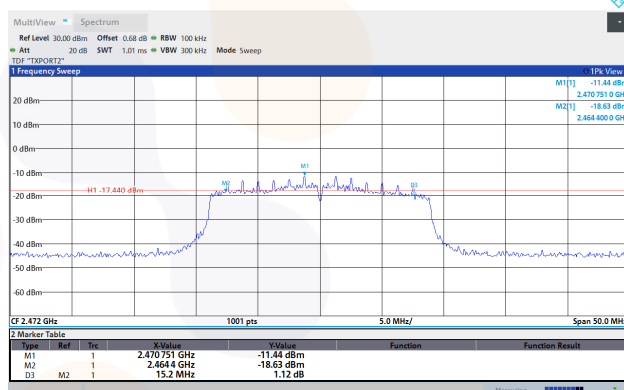
### 802.11n HT20 / 2 467 MHz



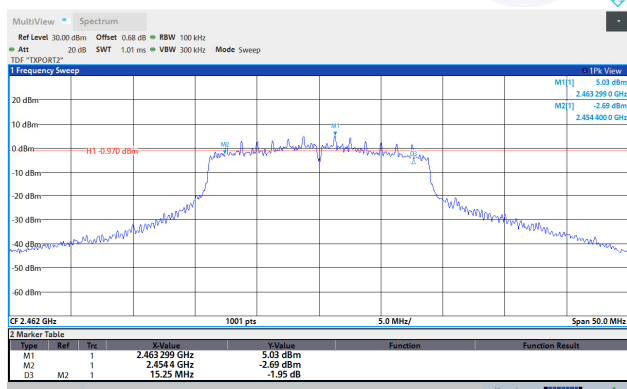
### 802.11n HT20 / 2 437 MHz



### 802.11n HT20 / 2 472 MHz

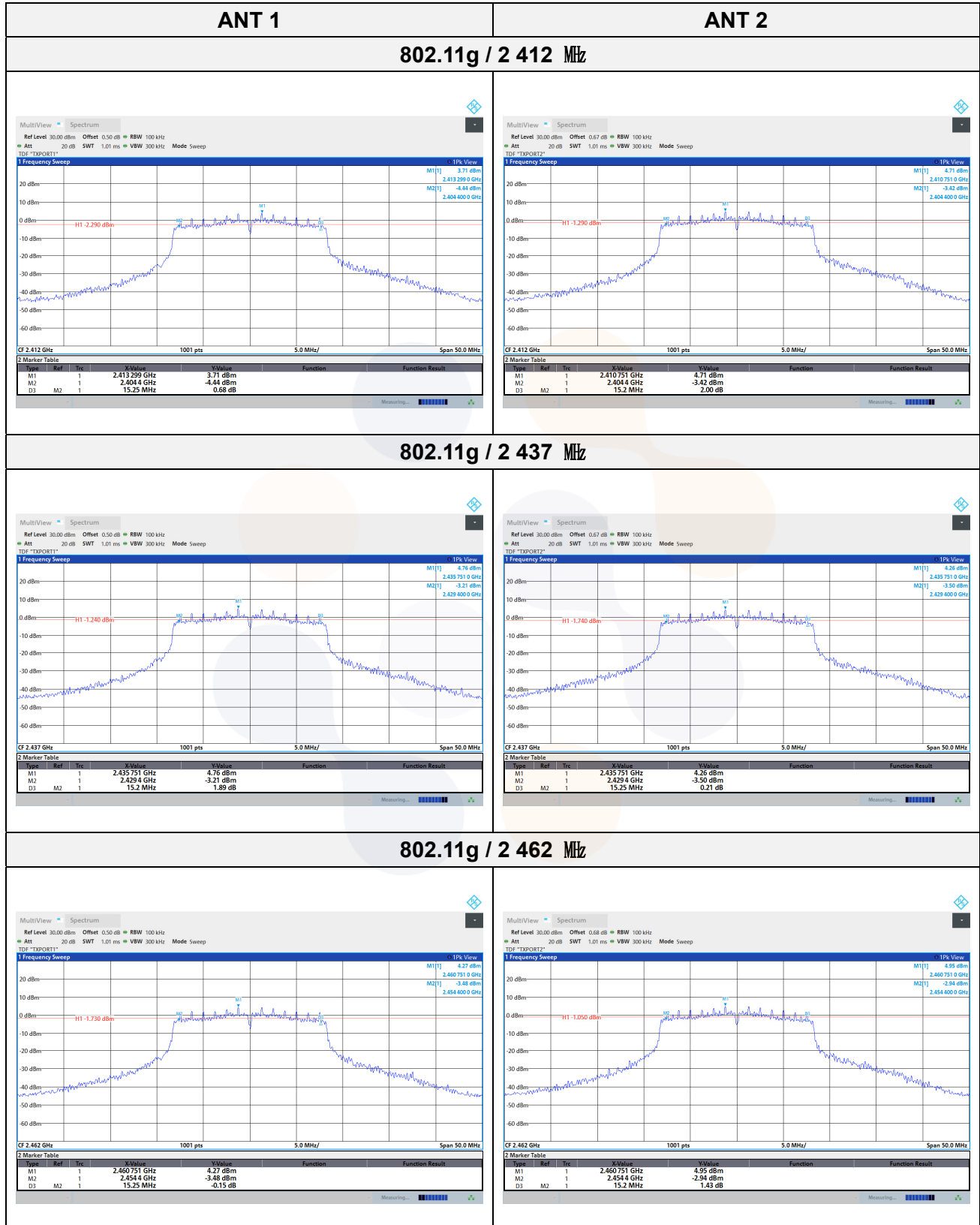


### 802.11n HT20 / 2 462 MHz



Blank

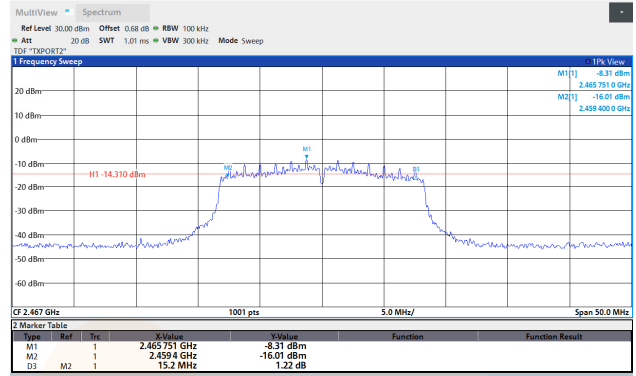
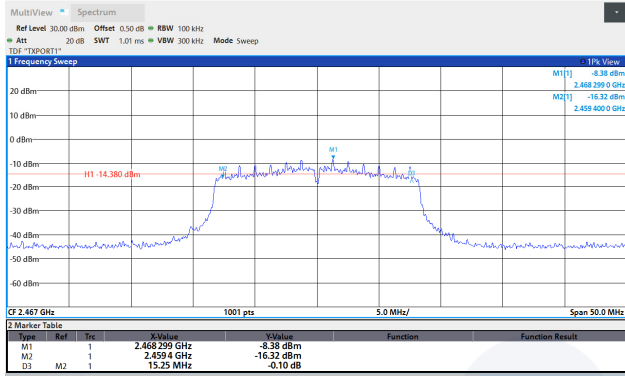
## MIMO



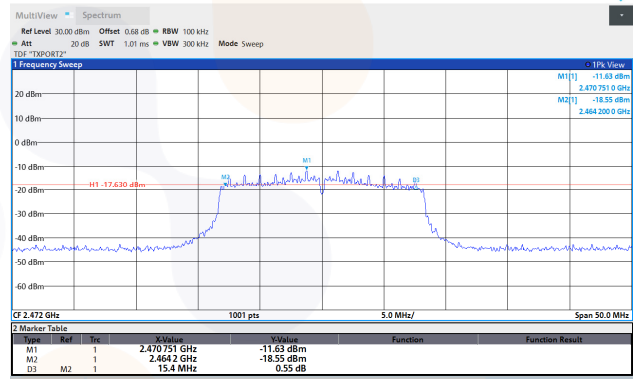
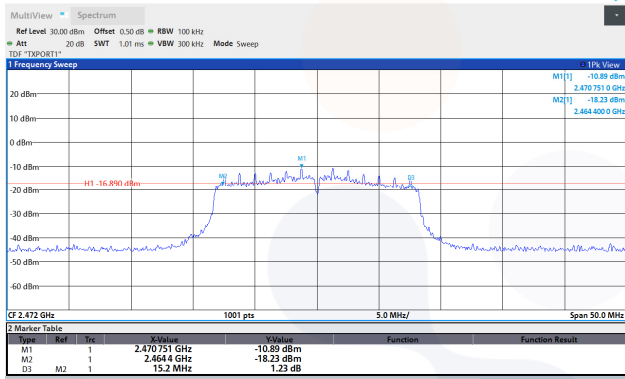
**ANT 1**

**ANT 2**

**802.11g / 2 467 MHz**



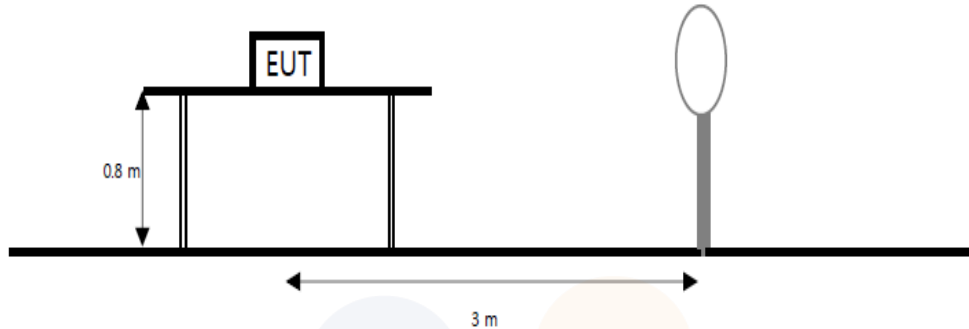
**802.11g / 2 472 MHz**



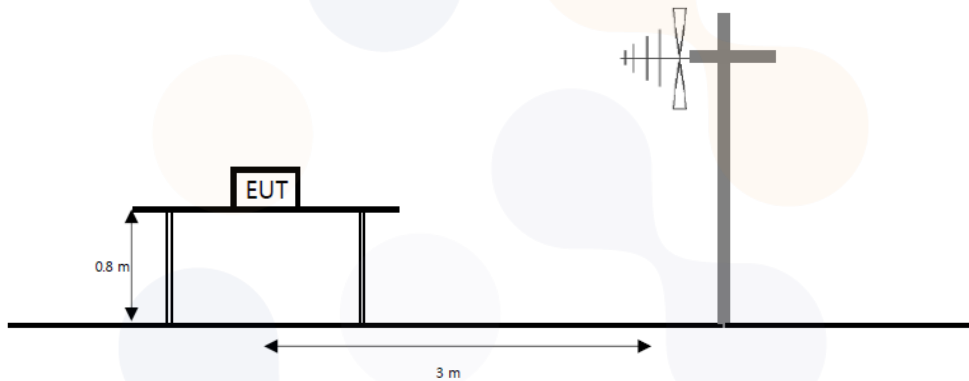
## 7.4. Spurious Emission, Band Edge and Restricted bands

### Test setup

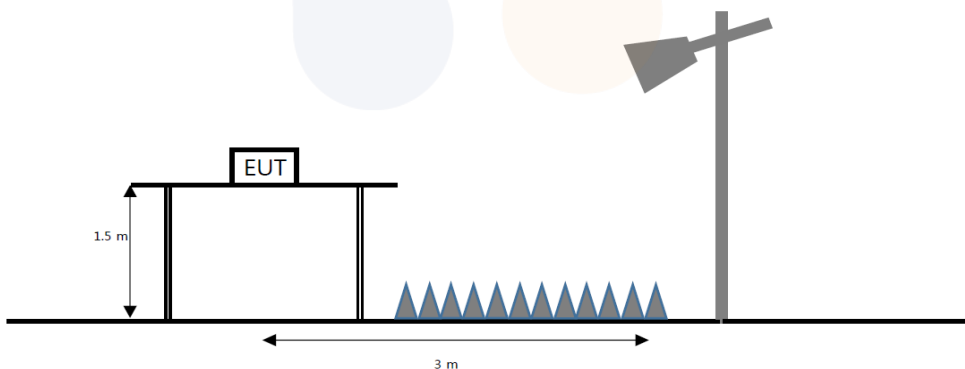
The diagram below shows the test setup that is utilized to make the measurements for emission from 9 kHz to 30 MHz Emissions



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 MHz to 1 GHz emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 1 GHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz emissions, whichever is lower.



### Limit

According to section 15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field strength ( $\mu V/m$ ) | Measurement distance (m) |
|-----------------|------------------------------|--------------------------|
| 0.009 - 0.490   | 2 400/F(kHz)                 | 300                      |
| 0.490 - 1.705   | 24 000/F(kHz)                | 30                       |
| 1.705 - 30      | 30                           | 30                       |
| 30 - 88         | 100**                        | 3                        |
| 88 - 216        | 150**                        | 3                        |
| 216 - 960       | 200**                        | 3                        |
| Above 960       | 500                          | 3                        |

\*\*Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., Section 15.231 and 15.241.

According to section 15.205(a) and (b), only spurious emissions are permitted in any of the frequency bands listed below:

| MHz                   | MHz                   | MHz               | GHz           |
|-----------------------|-----------------------|-------------------|---------------|
| 0.009 - 0.110         | 16.42 - 16.423        | 399.9 - 410       | 4.5 - 5.15    |
| 0.495 - 0.505         | 16.694 75 - 16.695 25 | 608 - 614         | 5.35 - 5.46   |
| 2.173 5 - 2.190 5     | 16.804 25 - 16.804 75 | 960 - 1 240       | 7.25 - 7.75   |
| 4.125 - 4.128         | 25.5 - 25.67          | 1 300 - 1 427     | 8.025 - 8.5   |
| 4.177 25 - 4.177 75   | 37.5 - 38.25          | 1 435 - 1 626.5   | 9.0 - 9.2     |
| 4.207 25 - 4.207 75   | 73 - 74.6             | 1 645.5 - 1 646.5 | 9.3 - 9.5     |
| 6.215 - 6.218         | 74.8 - 75.2           | 1 660 - 1 710     | 10.6 - 12.7   |
| 6.267 75 - 6.268 25   | 108 - 121.94          | 1 718.8 - 1 722.2 | 13.25 - 13.4  |
| 6.311 75 - 6.312 25   | 123 - 138             | 2 200 - 2 300     | 14.47 - 14.5  |
| 8.291 - 8.294         | 149.9 - 150.05        | 2 310 - 2 390     | 15.35 - 16.2  |
| 8.362 - 8.366         | 156.524 75 - 156.525  | 2 483.5 - 2 500   | 17.7 - 21.4   |
| 8.376 25 - 8.386 75   | 25                    | 2 690 - 2 900     | 22.01 - 23.12 |
| 8.414 25 - 8.414 75   | 156.7 - 156.9         | 3 260 - 3 267     | 23.6 - 24.0   |
| 12.29 - 12.293        | 162.012 5 - 167.17    | 3 332 - 3 339     | 31.2 - 31.8   |
| 12.519 75 - 12.520 25 | 167.72 - 173.2        | 3 345.8 - 3 358   | 36.43 - 36.5  |
| 12.576 75 - 12.577 25 | 240 - 285             | 3 600 - 4 400     | Above 38.6    |
| 13.36 - 13.41         | 322 - 335.4           |                   |               |

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in section 15.209. At frequencies equal to or less than 1 000 MHz, compliance with the limits in section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1 000 MHz, compliance with the emission limits in section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in section 15.35 apply to these measurements.

## Test procedure

ANSI C63.10-2013

## Test settings

### Peak field strength measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in table
3. VBW  $\geq$  (3 $\times$ RBW)
4. Detector = peak
5. Sweep time = auto
6. Trace mode = max hold
7. Allow sweeps to continue until the trace stabilizes

**Table. RBW as a function of frequency**

| Frequency           | RBW                |
|---------------------|--------------------|
| 9 kHz to 150 kHz    | 200 Hz to 300 Hz   |
| 0.15 MHz to 30 MHz  | 9 kHz to 10 kHz    |
| 30 MHz to 1 000 MHz | 100 kHz to 120 kHz |
| > 1 000 MHz         | 1 MHz              |

### Average field strength measurements

#### Trace averaging with continuous EUT transmission at full power

If the EUT can be configured or modified to transmit continuously ( $D \geq 98\%$ ), then the average emission levels shall be measured using the following method (with EUT transmitting continuously):

1. RBW = 1 MHz (unless otherwise specified).
2. VBW  $\geq$  (3 $\times$ RBW).
3. Detector = RMS (power averaging), if  $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
4. Averaging type = power (i.e., rms):
  - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
  - 2) Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.
5. Sweep time = auto.
6. Perform a trace average of at least 100 traces.

#### Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT ( $D \geq 98\%$ ) cannot be achieved and the duty cycle is constant (duty cycle variations are less than  $\pm 2\%$ ), then the following procedure shall be used:

1. The EUT shall be configured to operate at the maximum achievable duty cycle.
2. Measure the duty cycle D of the transmitter output signal as described in 11.6.
3. RBW = 1 MHz (unless otherwise specified).
4. VBW  $\geq [3 \times \text{RBW}]$ .
5. Detector = RMS (power averaging), if  $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.

|                                                                                                                                                                                                                        |                                                              |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <p><b>Eurofins KCTL Co.,Ltd.</b><br/> 65, Sinwon-ro, Yeongtong-gu,<br/> Suwon-si, Gyeonggi-do, 16677, Korea<br/> TEL: 82-70-5008-1021 FAX: 82-505-299-8311<br/> <a href="http://www.kctl.co.kr">www.kctl.co.kr</a></p> | <p>Report No.:<br/> KR25-SRF0040<br/> Page (35) of (132)</p> |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------|

6. Averaging type = power (i.e., rms):
  - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
  - 2) Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.
7. Sweep time = auto.
8. Perform a trace average of at least 100 traces.
9. A correction factor shall be added to the measurement results prior to comparing with the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
  - 1) If power averaging (rms) mode was used in step f), then the applicable correction factor is  $[10 \log (1 / D)]$ , where D is the duty cycle.
  - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is  $[20 \log (1 / D)]$ , where D is the duty cycle.
  - 3) If a specific emission is demonstrated to be continuous ( $D \geq 98\%$ ) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

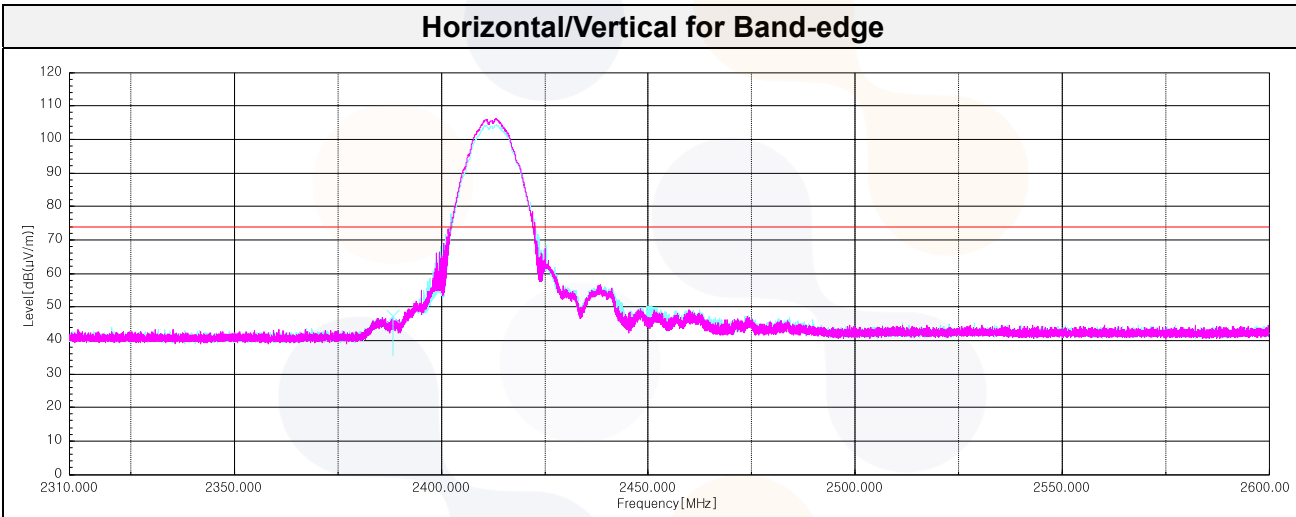
#### **Notes:**

1.  $f < 30$  MHz, extrapolation factor of 40 dB/decade of distance.  $F_d = 40 \log(D_m/D_s)$   
 $f \geq 30$  MHz, extrapolation factor of 20 dB/decade of distance.  $F_d = 20 \log(D_m/D_s)$   
Where:  
 $F_d$  = Distance factor in dB  
 $D_m$  = Measurement distance in meters  
 $D_s$  = Specification distance in meters
2. Factors(dB) = Antenna factor(dB/m) + Cable loss(dB) + or Amp. gain(dB) + or  $F_d$ (dB)
3. The worst-case emissions are reported however emissions whose levels were not within 20 dB of respective limits were not reported.
4. Average test would be performed if the peak result were greater than the average limit.
5. <sup>1)</sup> means restricted band.
6. Above 1 GHz the worst results between two antenna polarizations (H and V) were documented in the test report.
7. Below 30 MHz frequency range, In order to search for the worst result, all orientations about parallel, perpendicular, and ground-parallel were investigated then reported. when the emission level was higher than 20 dB of the limit, then the following statement shall be made: "No spurious emissions were detected within 20 dB of the limit."

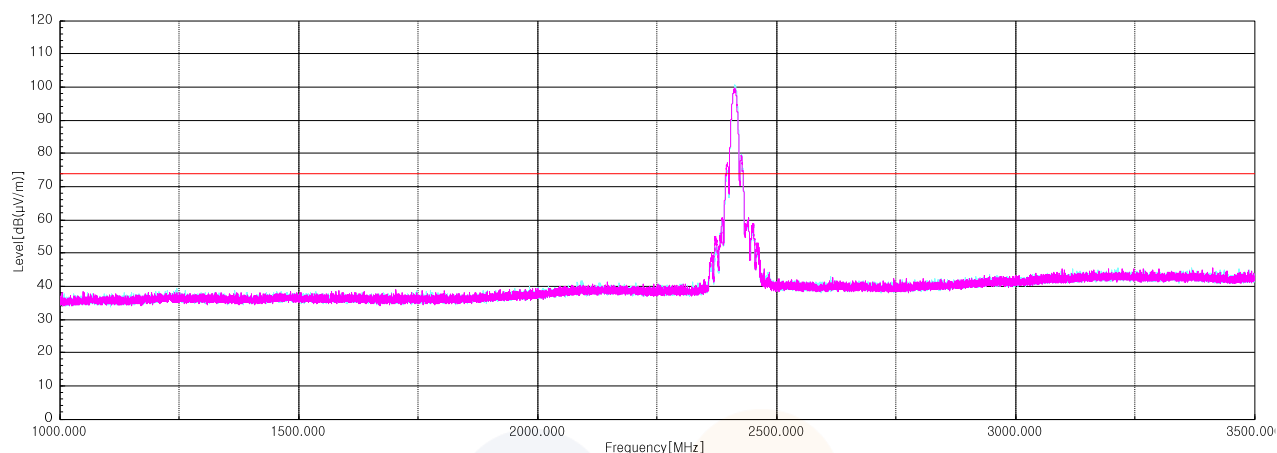
**Test results (Above 1 000 MHz)**

**SISO\_ANT1**  
**802.11b\_2 412 MHz**

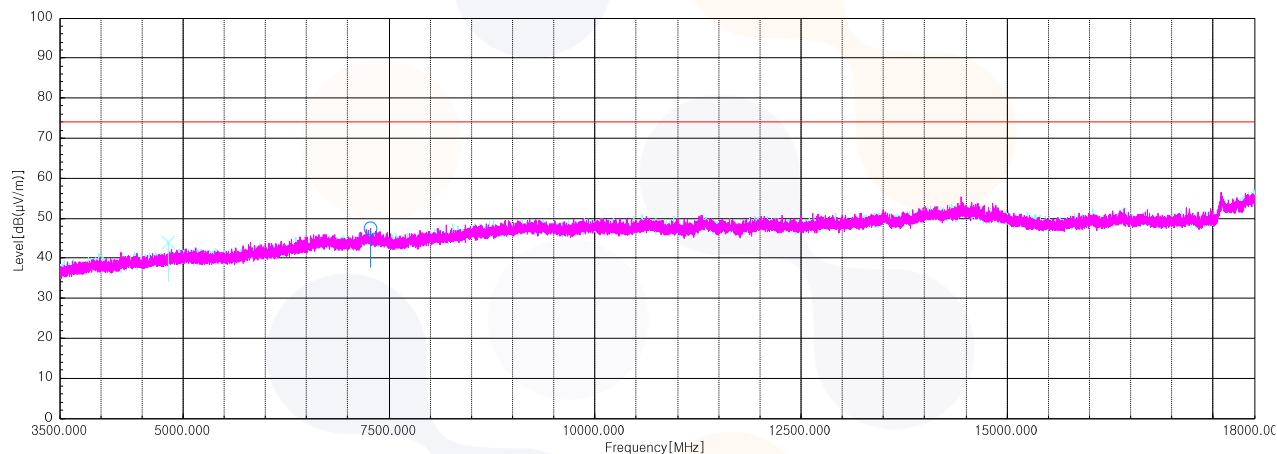
| Frequency                                                      | Pol.  | Reading        | Ant. Factor | Amp. + Cable | DCF  | Result           | Limit            | Margin |
|----------------------------------------------------------------|-------|----------------|-------------|--------------|------|------------------|------------------|--------|
| (MHz)                                                          | (V/H) | (dB( $\mu$ V)) | (dB)        | (dB)         | (dB) | (dB( $\mu$ V/m)) | (dB( $\mu$ V/m)) | (dB)   |
| <b>Peak data</b>                                               |       |                |             |              |      |                  |                  |        |
| 2 388.44 <sup>1)</sup>                                         | V     | 50.20          | 27.10       | -30.39       | -    | 46.91            | 74.00            | 27.09  |
| 4 823.85 <sup>1)</sup>                                         | V     | 57.60          | 32.34       | -46.04       | -    | 43.90            | 74.00            | 30.10  |
| 7 274.83 <sup>1)</sup>                                         | H     | 54.80          | 37.15       | -44.38       | -    | 47.57            | 74.00            | 26.43  |
| <b>Average Data</b>                                            |       |                |             |              |      |                  |                  |        |
| No spurious emissions were detected within 20 dB of the limit. |       |                |             |              |      |                  |                  |        |



**Horizontal/Vertical for 1 GHz ~ 3.5 GHz**



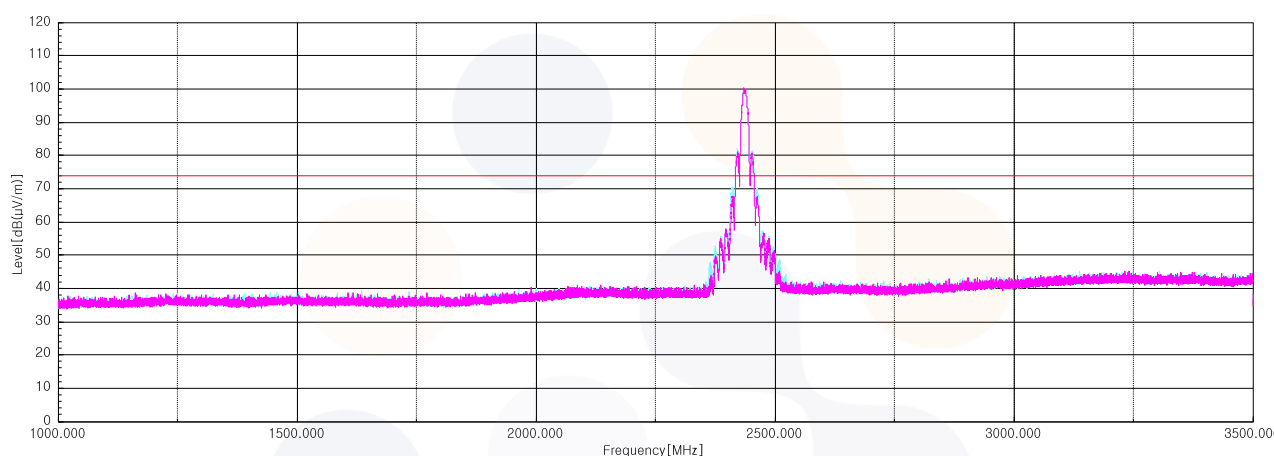
**Horizontal/Vertical for 3.5 GHz ~ 18 GHz**



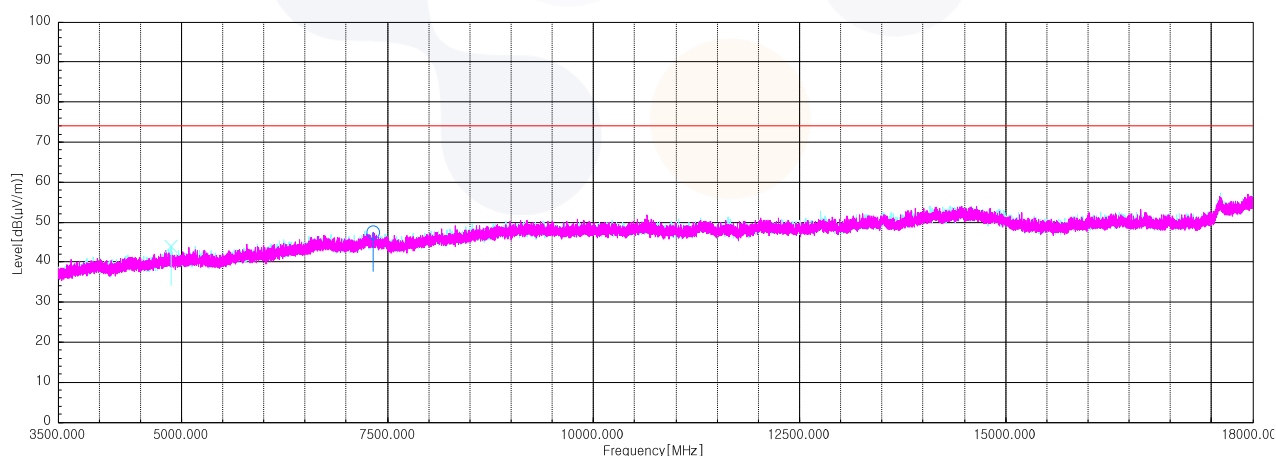
## 802.11b\_2 437 MHz

| Frequency                                                      | Pol.  | Reading        | Ant. Factor | Amp. + Cable | DCF  | Result           | Limit            | Margin |
|----------------------------------------------------------------|-------|----------------|-------------|--------------|------|------------------|------------------|--------|
| (MHz)                                                          | (V/H) | (dB( $\mu$ V)) | (dB)        | (dB)         | (dB) | (dB( $\mu$ V/m)) | (dB( $\mu$ V/m)) | (dB)   |
| <b>Peak data</b>                                               |       |                |             |              |      |                  |                  |        |
| 4 873.63 <sup>1)</sup>                                         | V     | 57.00          | 32.64       | -45.82       | -    | 43.82            | 74.00            | 30.18  |
| 7 320.27 <sup>1)</sup>                                         | H     | 54.90          | 36.82       | -44.30       | -    | 47.42            | 74.00            | 26.58  |
| <b>Average Data</b>                                            |       |                |             |              |      |                  |                  |        |
| No spurious emissions were detected within 20 dB of the limit. |       |                |             |              |      |                  |                  |        |

### Horizontal/Vertical for 1 GHz ~ 3.5 GHz

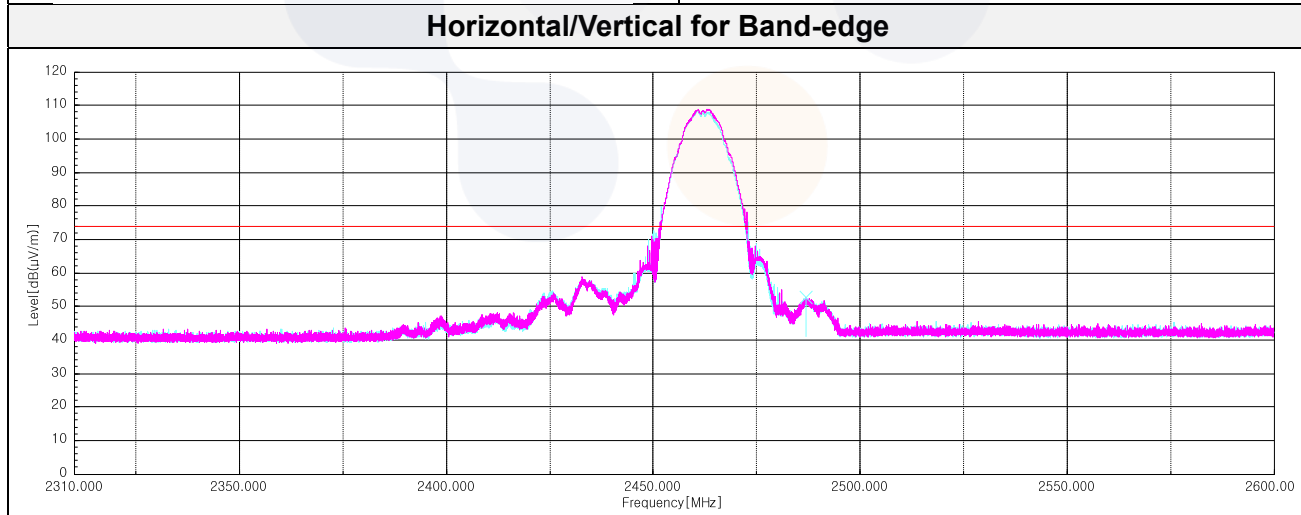
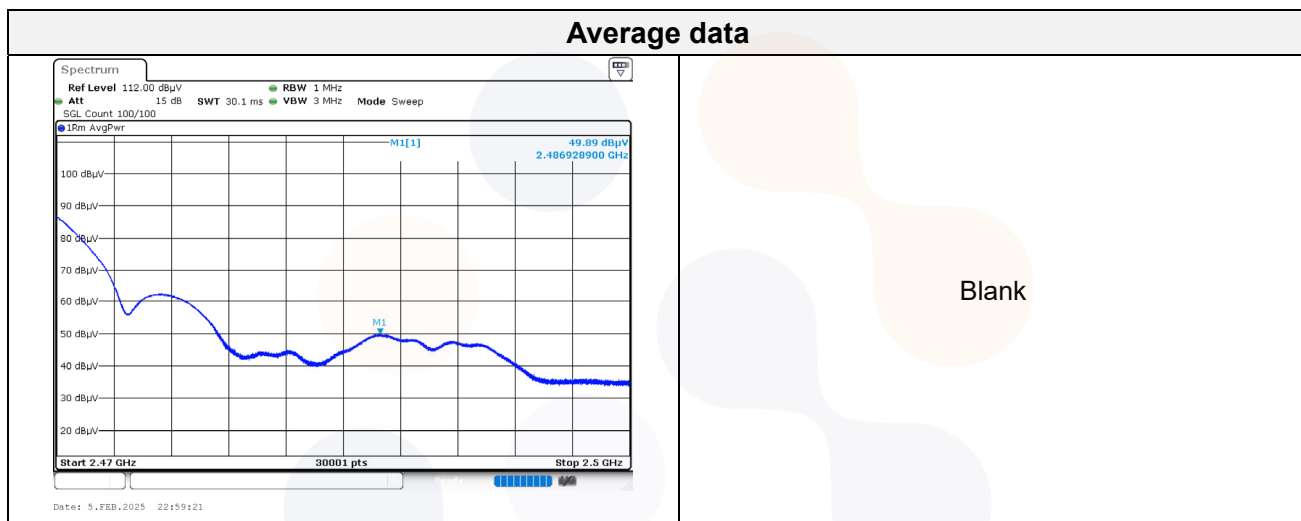


### Horizontal/Vertical for 3.5 GHz ~ 18 GHz

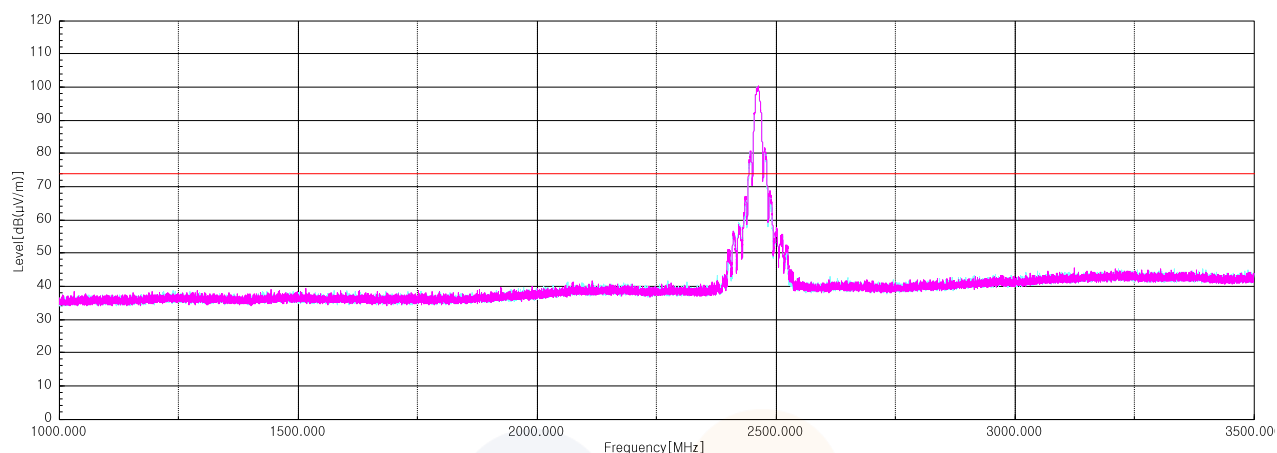


## 802.11b\_2 462 MHz

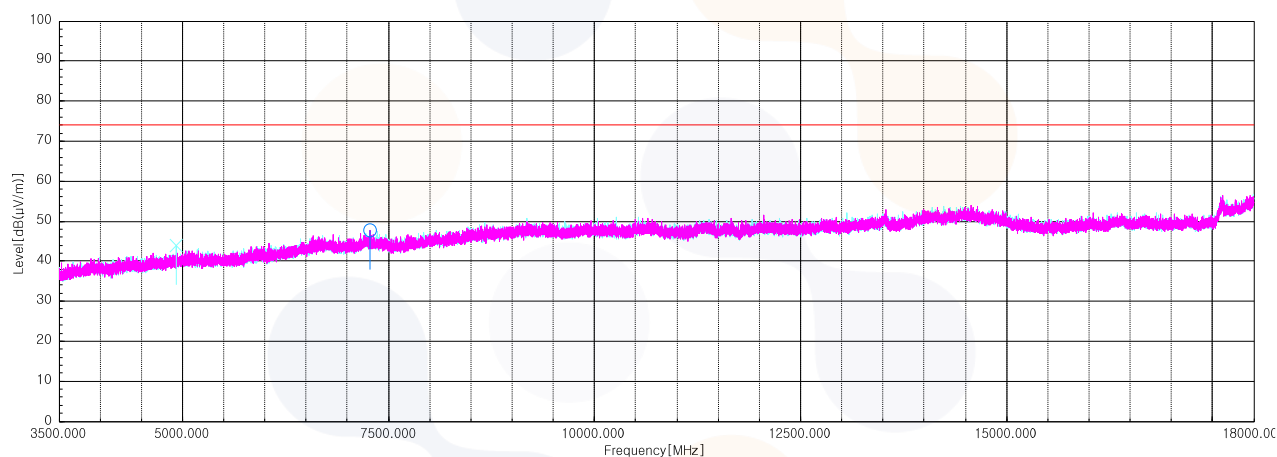
| Frequency              | Pol.  | Reading        | Ant. Factor | Amp. + Cable | DCF  | Result           | Limit            | Margin |
|------------------------|-------|----------------|-------------|--------------|------|------------------|------------------|--------|
| (MHz)                  | (V/H) | (dB( $\mu$ V)) | (dB)        | (dB)         | (dB) | (dB( $\mu$ V/m)) | (dB( $\mu$ V/m)) | (dB)   |
| <b>Peak data</b>       |       |                |             |              |      |                  |                  |        |
| 2 486.93 <sup>1)</sup> | V     | 55.20          | 27.87       | -30.23       | -    | 52.84            | 74.00            | 21.16  |
| 4 923.90 <sup>1)</sup> | V     | 56.80          | 32.80       | -45.59       | -    | 44.01            | 74.00            | 29.99  |
| 7 276.77 <sup>1)</sup> | H     | 55.00          | 37.15       | -44.37       | -    | 47.78            | 74.00            | 26.22  |
| <b>Average Data</b>    |       |                |             |              |      |                  |                  |        |
| 2 486.93 <sup>1)</sup> | V     | 49.89          | 27.87       | -30.23       | -    | 47.53            | 54.00            | 6.47   |



**Horizontal/Vertical for 1 GHz ~ 3.5 GHz**

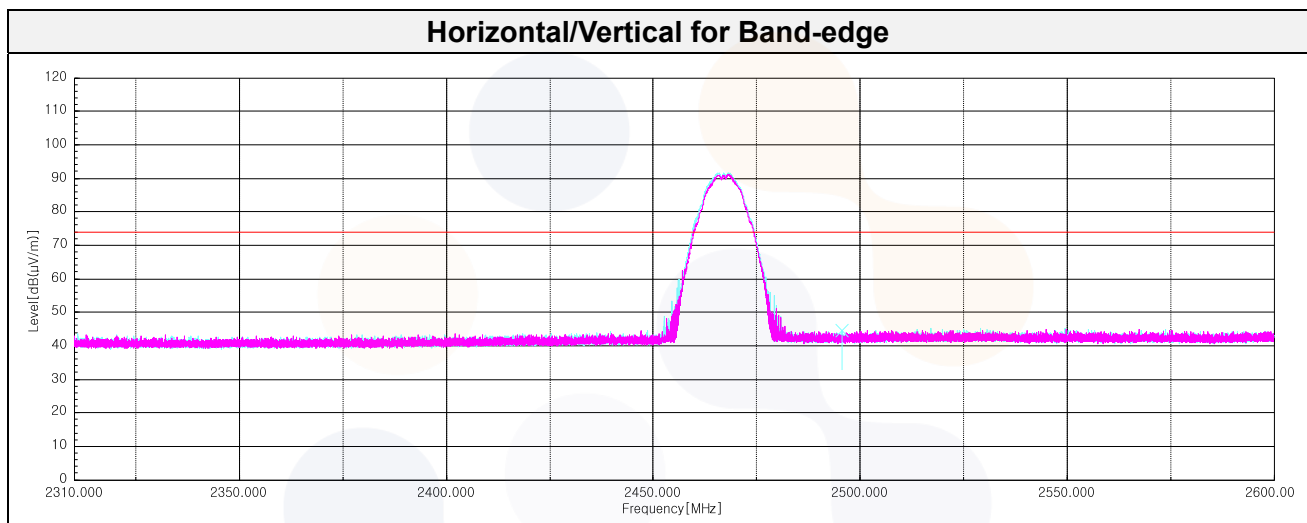


**Horizontal/Vertical for 3.5 GHz ~ 18 GHz**

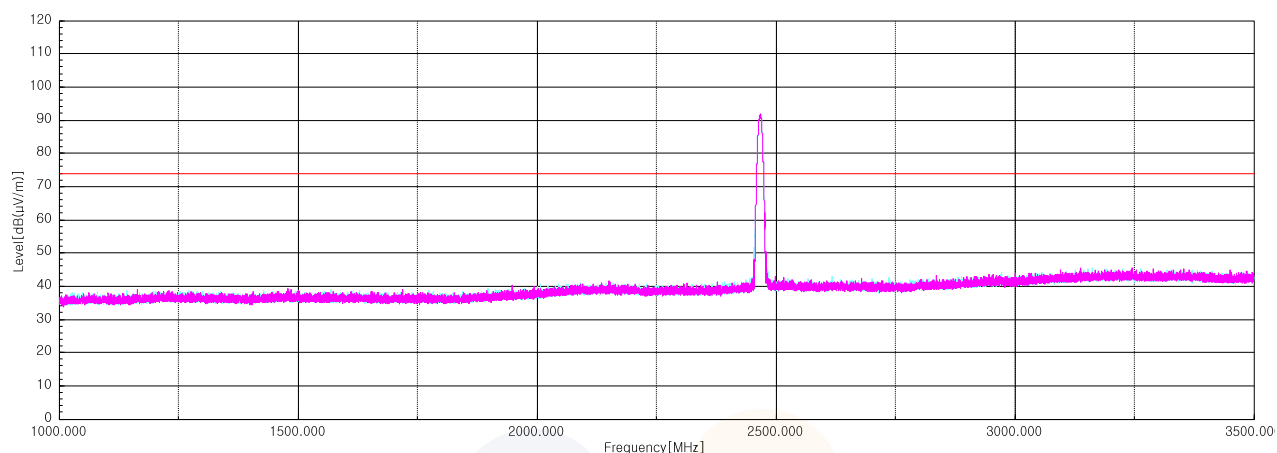


### 802.11b\_2 467 MHz

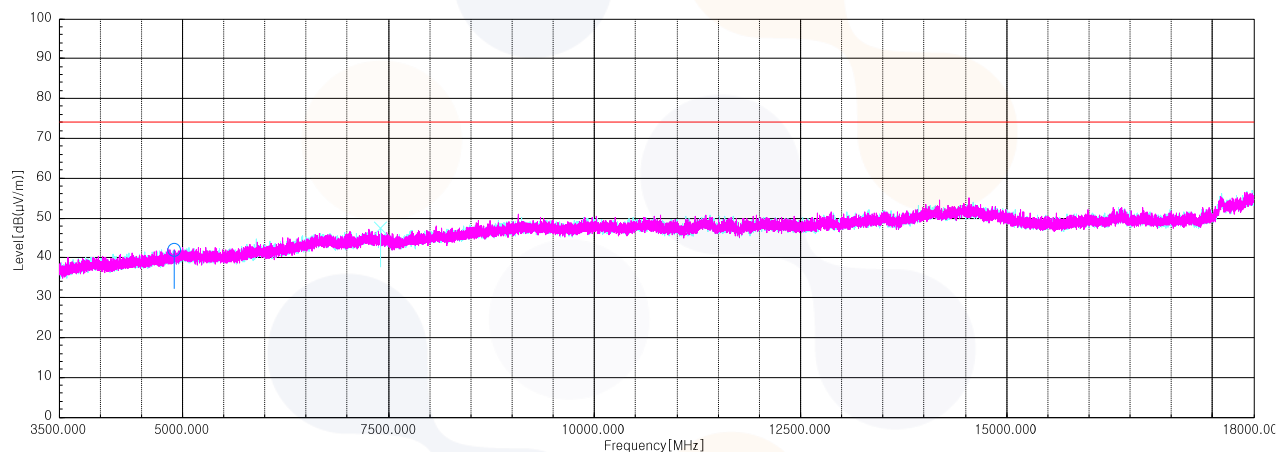
| Frequency                                                             | Pol.  | Reading         | Ant. Factor | Amp. + Cable | DCF  | Result            | Limit             | Margin |
|-----------------------------------------------------------------------|-------|-----------------|-------------|--------------|------|-------------------|-------------------|--------|
| (MHz)                                                                 | (V/H) | (dB( $\mu V$ )) | (dB)        | (dB)         | (dB) | (dB( $\mu V/m$ )) | (dB( $\mu V/m$ )) | (dB)   |
| <b>Peak data</b>                                                      |       |                 |             |              |      |                   |                   |        |
| 2 495.51 <sup>1)</sup>                                                | V     | 46.80           | 27.80       | -30.22       | -    | 44.38             | 74.00             | 29.62  |
| 4 897.32 <sup>1)</sup>                                                | H     | 55.10           | 32.78       | -45.71       | -    | 42.17             | 74.00             | 31.83  |
| 7 409.20 <sup>1)</sup>                                                | V     | 54.90           | 36.68       | -44.15       | -    | 47.43             | 74.00             | 26.57  |
| <b>Average Data</b>                                                   |       |                 |             |              |      |                   |                   |        |
| <b>No spurious emissions were detected within 20 dB of the limit.</b> |       |                 |             |              |      |                   |                   |        |



**Horizontal/Vertical for 1 GHz ~ 3.5 GHz**

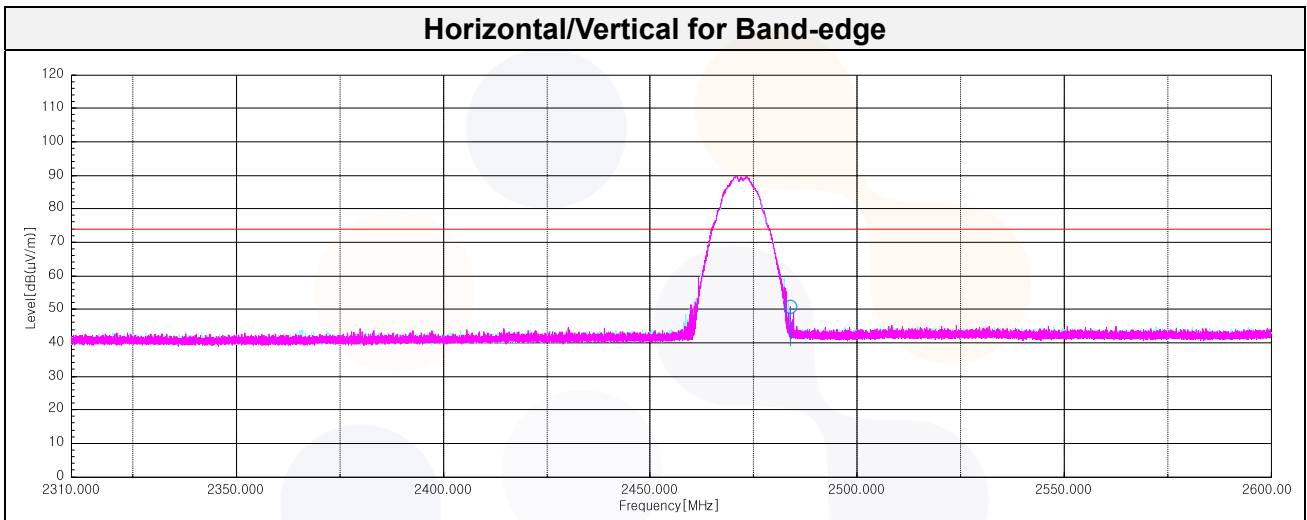


**Horizontal/Vertical for 3.5 GHz ~ 18 GHz**

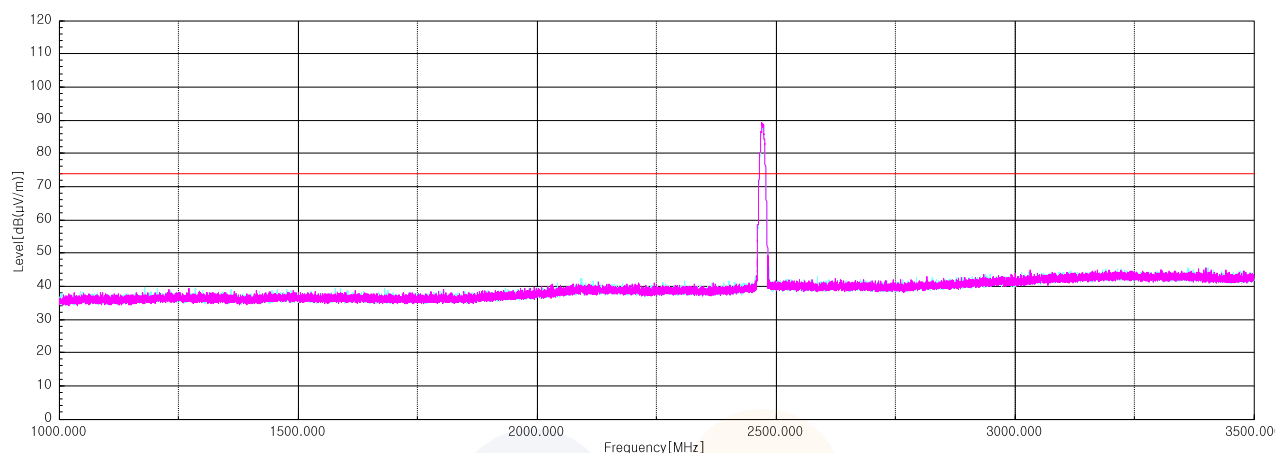


### 802.11b\_2 472 MHz

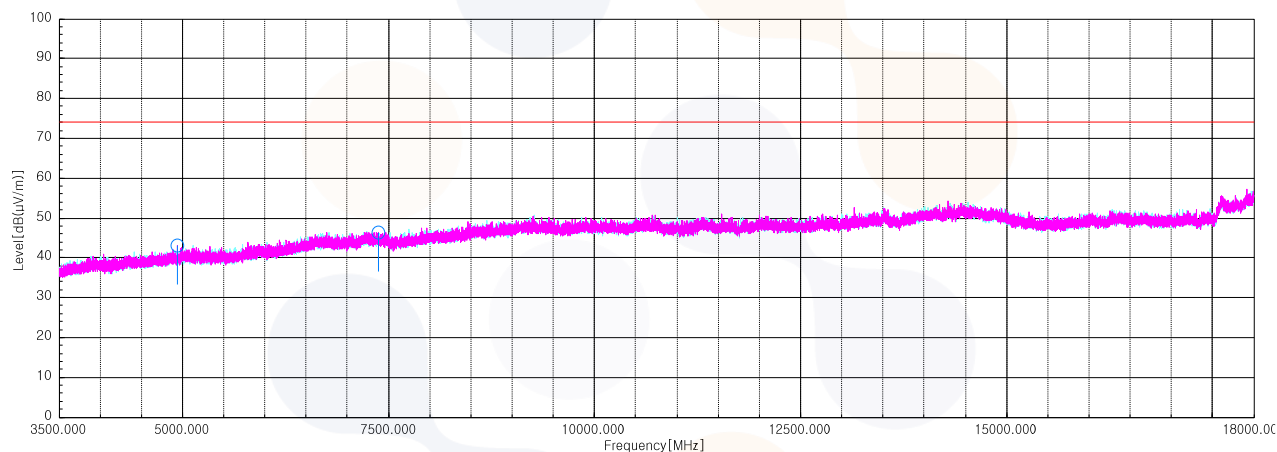
| Frequency                                                      | Pol.  | Reading         | Ant. Factor | Amp. + Cable | DCF  | Result            | Limit             | Margin |
|----------------------------------------------------------------|-------|-----------------|-------------|--------------|------|-------------------|-------------------|--------|
| (MHz)                                                          | (V/H) | (dB( $\mu V$ )) | (dB)        | (dB)         | (dB) | (dB( $\mu V/m$ )) | (dB( $\mu V/m$ )) | (dB)   |
| <b>Peak data</b>                                               |       |                 |             |              |      |                   |                   |        |
| 2 483.95 <sup>1)</sup>                                         | H     | 53.00           | 27.84       | -30.24       | -    | 50.60             | 74.00             | 23.40  |
| 4 939.37 <sup>1)</sup>                                         | H     | 55.70           | 32.86       | -45.52       | -    | 43.04             | 74.00             | 30.96  |
| 7 371.02 <sup>1)</sup>                                         | H     | 53.90           | 36.76       | -44.21       | -    | 46.45             | 74.00             | 27.55  |
| <b>Average Data</b>                                            |       |                 |             |              |      |                   |                   |        |
| No spurious emissions were detected within 20 dB of the limit. |       |                 |             |              |      |                   |                   |        |



**Horizontal/Vertical for 1 GHz ~ 3.5 GHz**



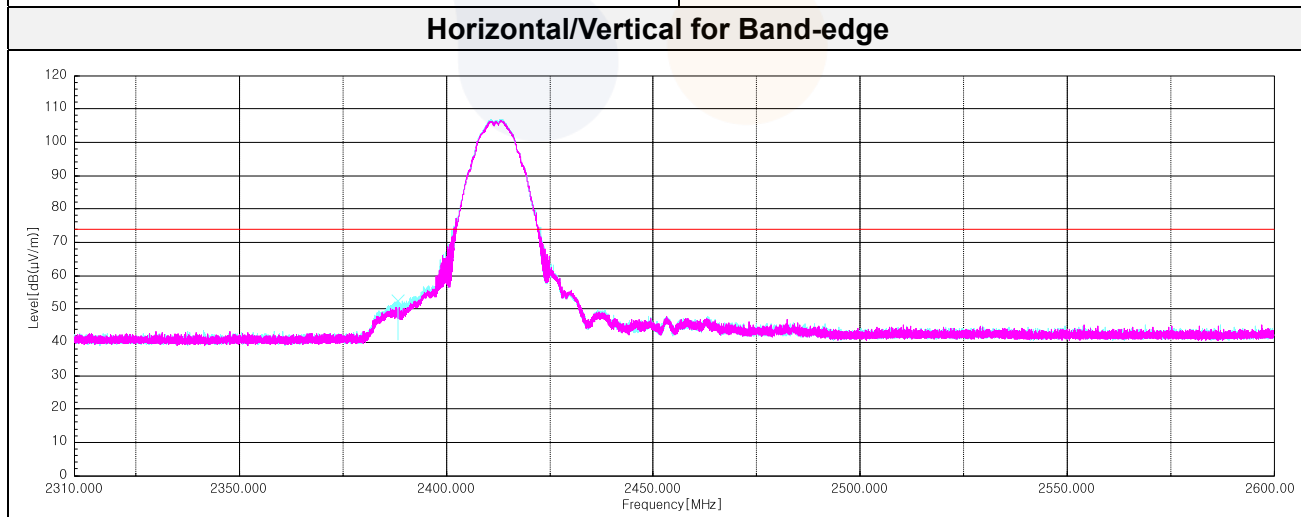
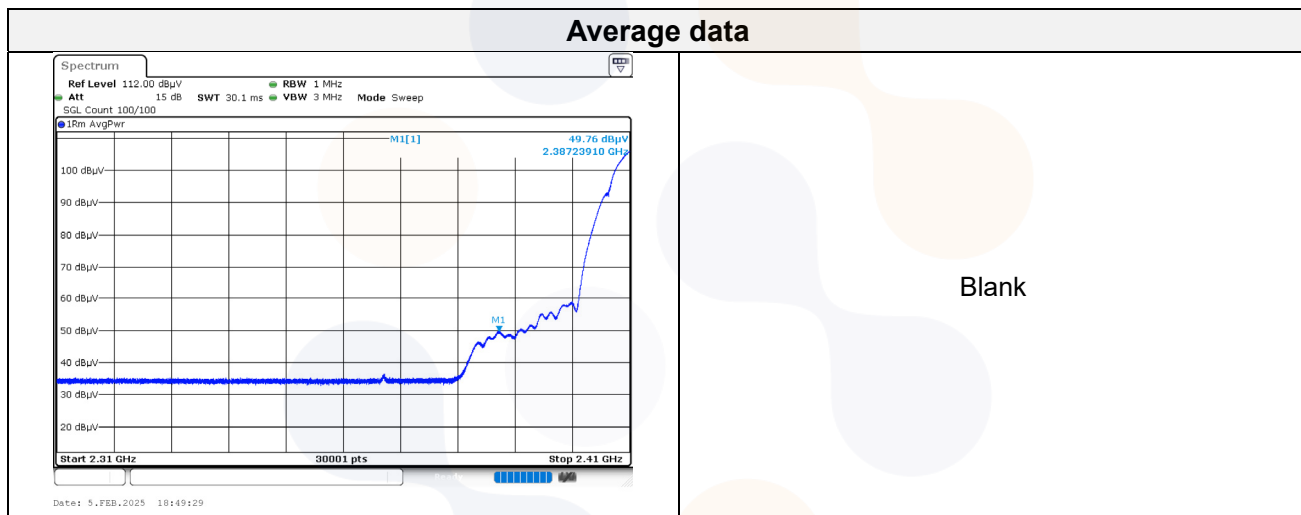
**Horizontal/Vertical for 3.5 GHz ~ 18 GHz**



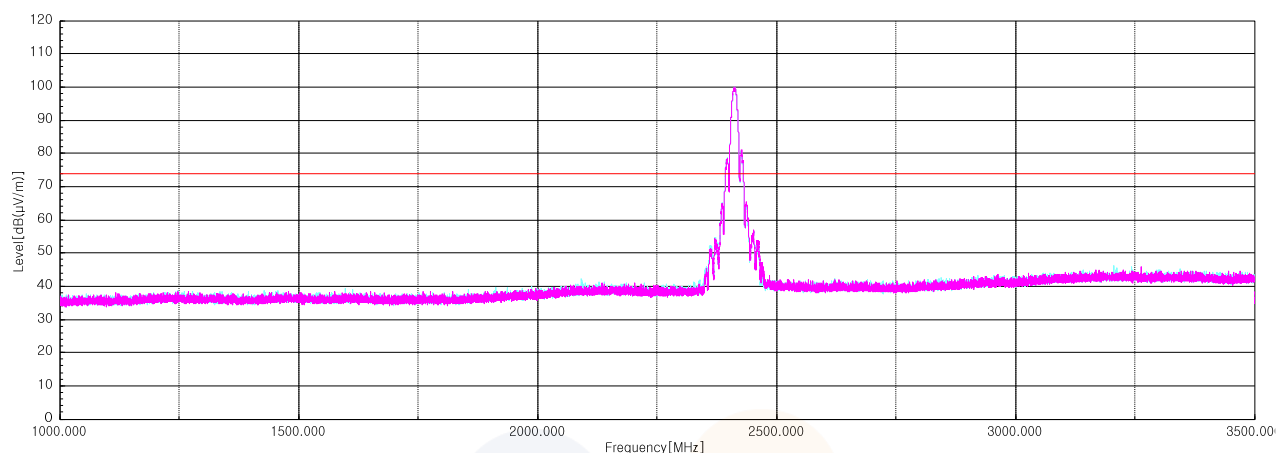
## Test results (Above 1 000 MHz)

### SISO\_ANT2 802.11b\_2 412 MHz

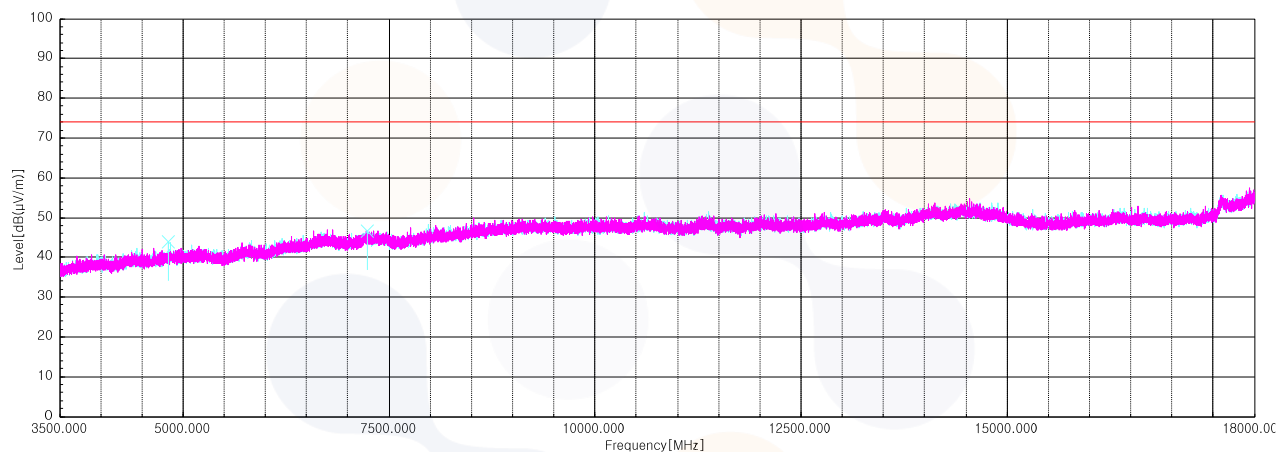
| Frequency              | Pol.  | Reading        | Ant. Factor | Amp. + Cable | DCF  | Result           | Limit            | Margin |
|------------------------|-------|----------------|-------------|--------------|------|------------------|------------------|--------|
| (MHz)                  | (V/H) | (dB( $\mu$ V)) | (dB)        | (dB)         | (dB) | (dB( $\mu$ V/m)) | (dB( $\mu$ V/m)) | (dB)   |
| <b>Peak data</b>       |       |                |             |              |      |                  |                  |        |
| 2 387.24 <sup>1)</sup> | V     | 55.60          | 27.10       | -30.39       | -    | 52.31            | 74.00            | 21.69  |
| 4 823.85 <sup>1)</sup> | V     | 57.60          | 32.34       | -46.04       | -    | 43.90            | 74.00            | 30.10  |
| 7 236.17               | V     | 54.00          | 37.14       | -44.38       | -    | 46.76            | 74.00            | 27.24  |
| <b>Average Data</b>    |       |                |             |              |      |                  |                  |        |
| 2 387.24 <sup>1)</sup> | V     | 49.76          | 27.10       | -30.39       | -    | 46.47            | 54.00            | 7.53   |



**Horizontal/Vertical for 1 GHz ~ 3.5 GHz**



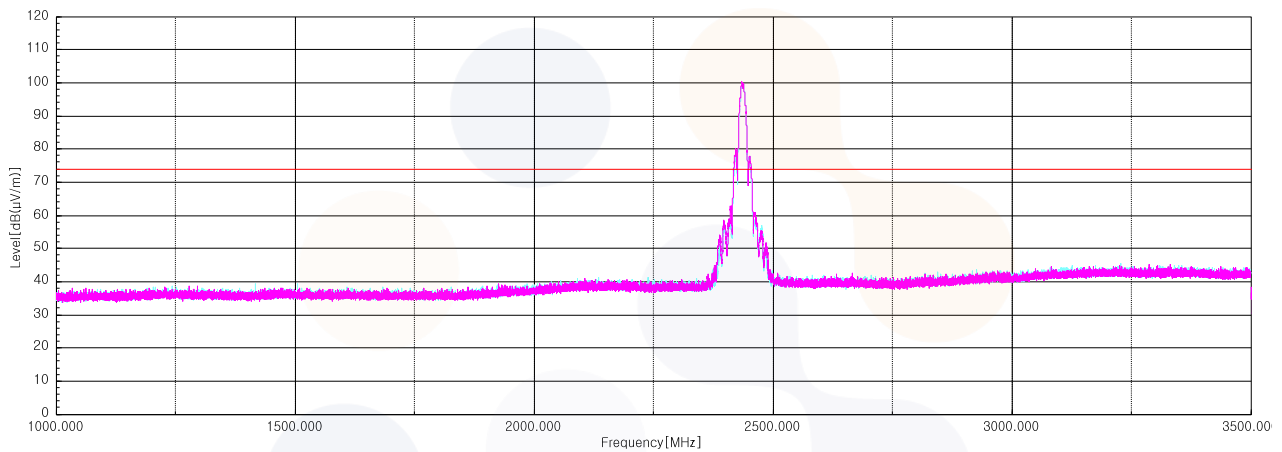
**Horizontal/Vertical for 3.5 GHz ~ 18 GHz**



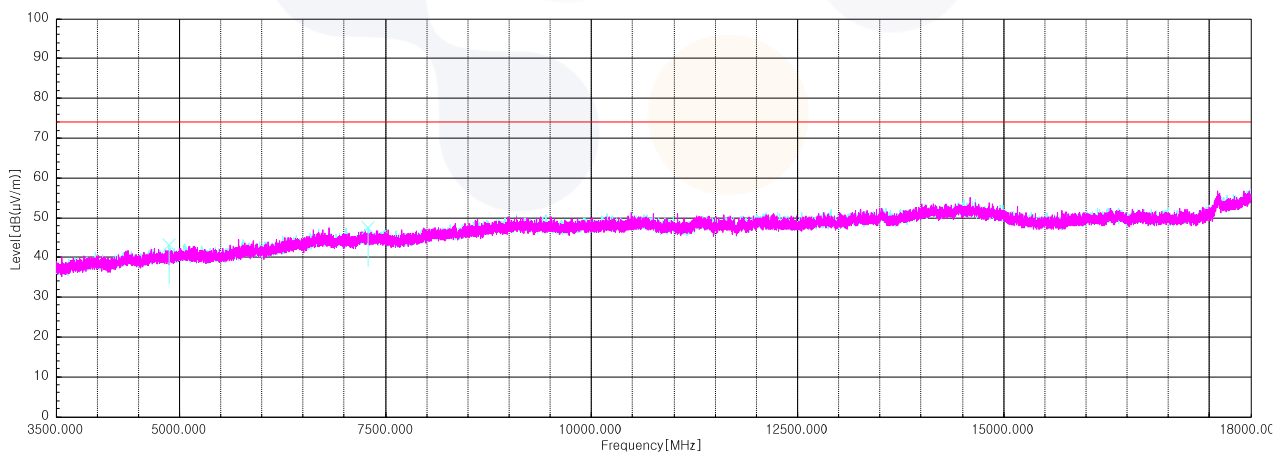
### 802.11b\_2 437 MHz

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp. + Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|--------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)         | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |              |      |            |            |        |
| 4 878.95 <sup>1)</sup>                                         | V     | 56.30    | 32.67       | -45.79       | -    | 43.18      | 74.00      | 30.82  |
| 7 289.82 <sup>1)</sup>                                         | V     | 54.90    | 37.18       | -44.35       | -    | 47.73      | 74.00      | 26.27  |
| <b>Average Data</b>                                            |       |          |             |              |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |              |      |            |            |        |

#### Horizontal/Vertical for 1 GHz ~ 3.5 GHz



#### Horizontal/Vertical for 3.5 GHz ~ 18 GHz



## 802.11b\_2 462 MHz

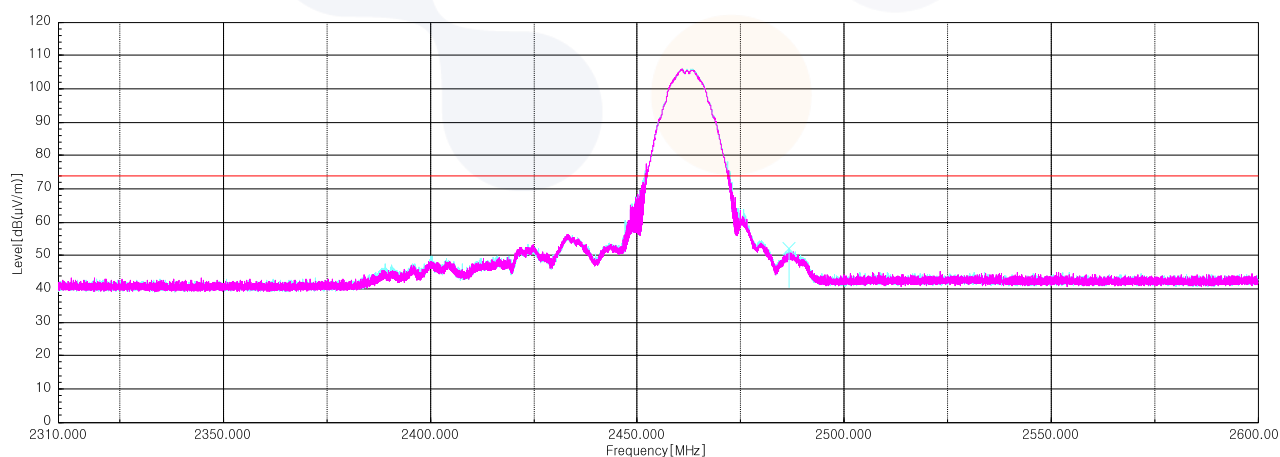
| Frequency              | Pol.  | Reading        | Ant. Factor | Amp. + Cable | DCF  | Result           | Limit            | Margin |
|------------------------|-------|----------------|-------------|--------------|------|------------------|------------------|--------|
| (MHz)                  | (V/H) | (dB( $\mu$ V)) | (dB)        | (dB)         | (dB) | (dB( $\mu$ V/m)) | (dB( $\mu$ V/m)) | (dB)   |
| <b>Peak data</b>       |       |                |             |              |      |                  |                  |        |
| 2 487.56 <sup>1)</sup> | V     | 54.30          | 27.88       | -30.23       | -    | 51.95            | 74.00            | 22.05  |
| 4 923.90 <sup>1)</sup> | V     | 58.10          | 32.80       | -45.59       | -    | 45.31            | 74.00            | 28.69  |
| 7 337.67 <sup>1)</sup> | H     | 54.50          | 36.75       | -44.27       | -    | 46.98            | 74.00            | 27.02  |
| <b>Average Data</b>    |       |                |             |              |      |                  |                  |        |
| 2 487.56 <sup>1)</sup> | V     | 47.82          | 27.88       | -30.23       | -    | 45.47            | 54.00            | 8.53   |

### Average data

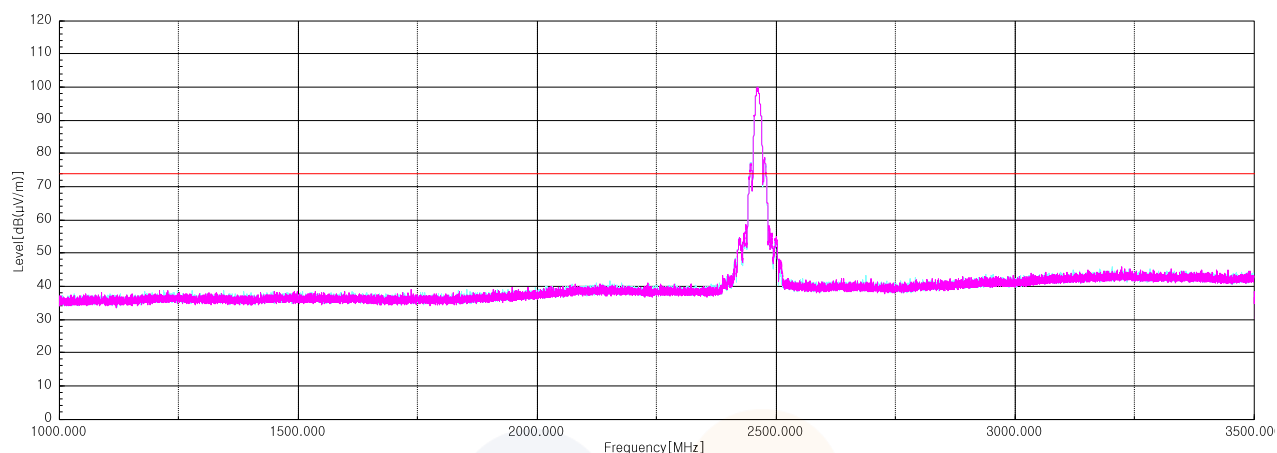


Blank

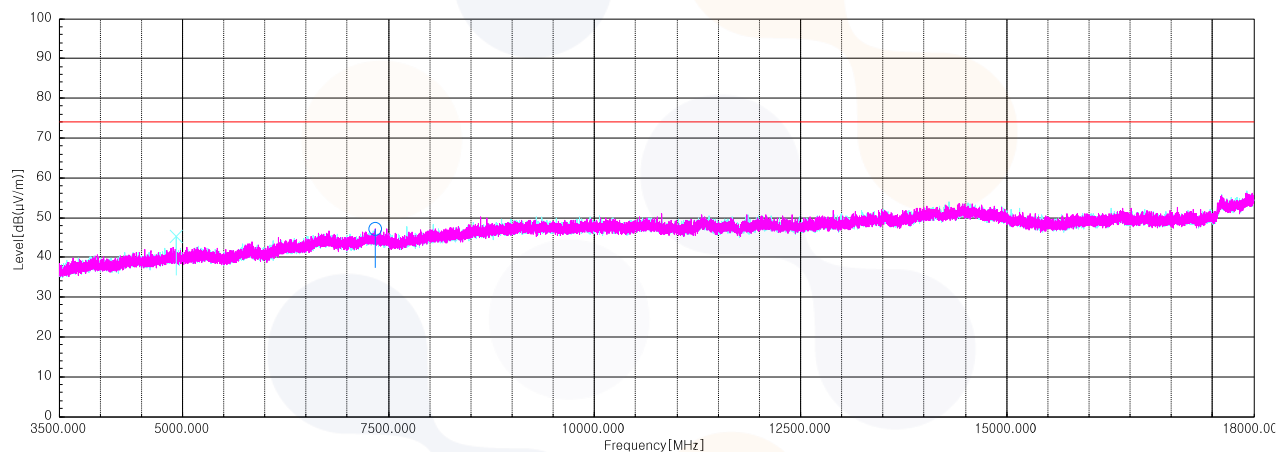
### Horizontal/Vertical for Band-edge



**Horizontal/Vertical for 1 GHz ~ 3.5 GHz**

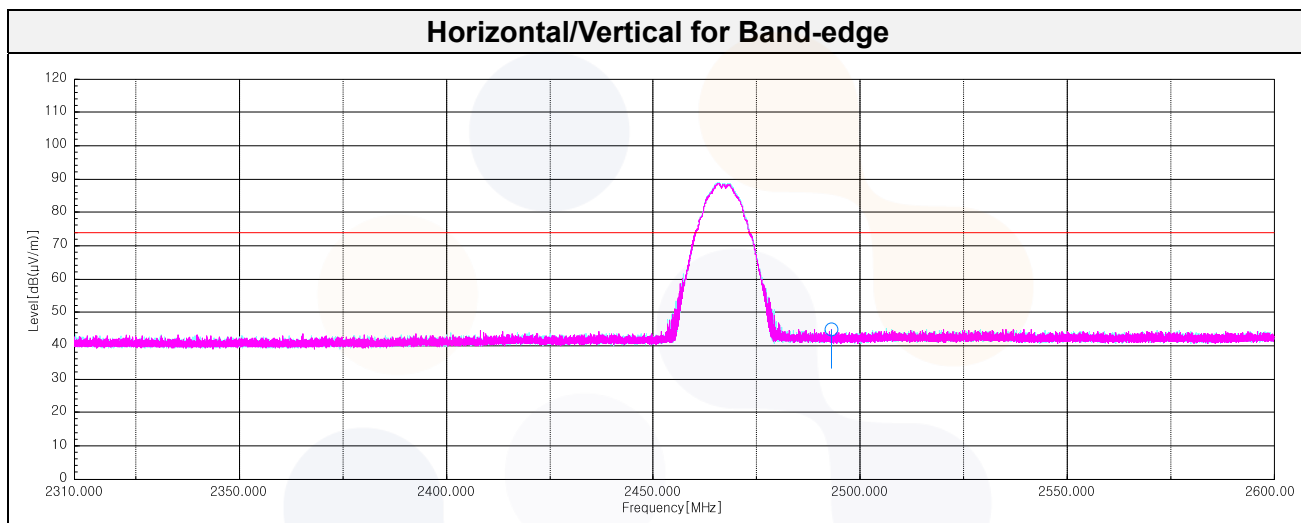


**Horizontal/Vertical for 3.5 GHz ~ 18 GHz**

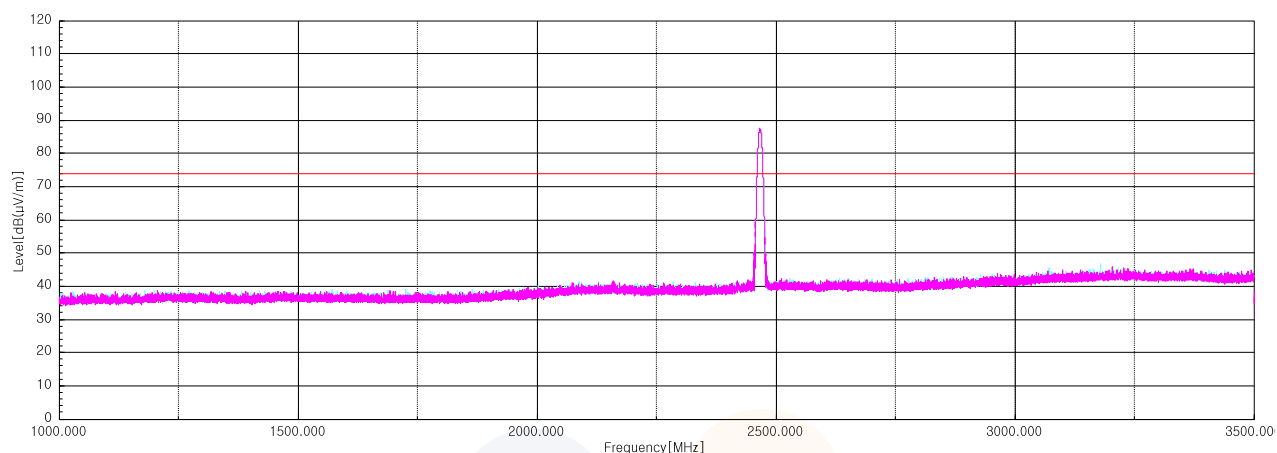


### 802.11b\_2 467 MHz

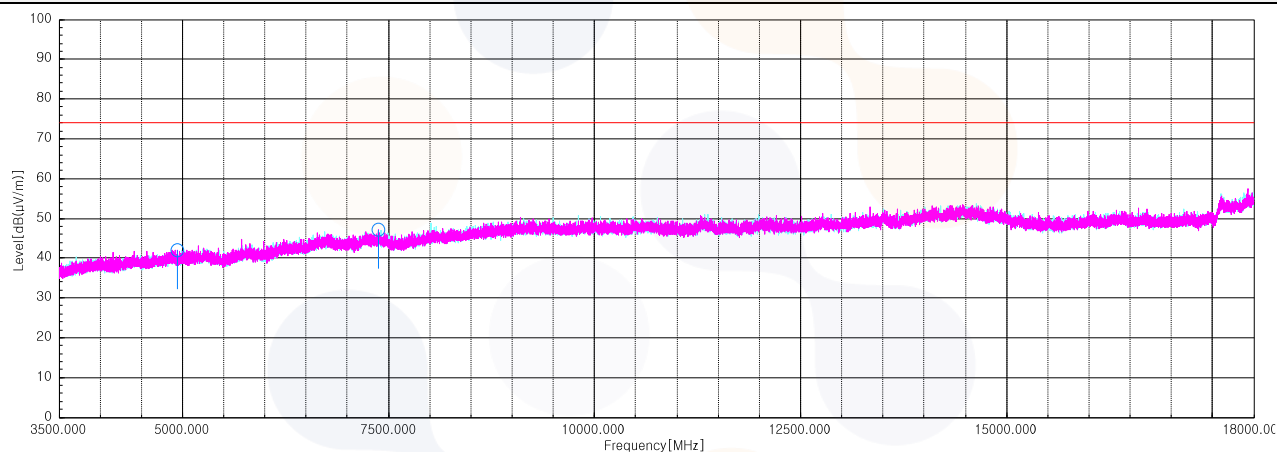
| Frequency                                                      | Pol.  | Reading         | Ant. Factor | Amp. + Cable | DCF  | Result            | Limit             | Margin |
|----------------------------------------------------------------|-------|-----------------|-------------|--------------|------|-------------------|-------------------|--------|
| (MHz)                                                          | (V/H) | (dB( $\mu V$ )) | (dB)        | (dB)         | (dB) | (dB( $\mu V/m$ )) | (dB( $\mu V/m$ )) | (dB)   |
| <b>Peak data</b>                                               |       |                 |             |              |      |                   |                   |        |
| 2 493.15 <sup>1)</sup>                                         | H     | 47.30           | 27.80       | -30.22       | -    | 44.88             | 74.00             | 29.12  |
| 4 942.27 <sup>1)</sup>                                         | H     | 54.50           | 32.87       | -45.51       | -    | 41.86             | 74.00             | 32.14  |
| 7 371.50 <sup>1)</sup>                                         | H     | 54.60           | 36.76       | -44.21       | -    | 47.15             | 74.00             | 26.85  |
| <b>Average Data</b>                                            |       |                 |             |              |      |                   |                   |        |
| No spurious emissions were detected within 20 dB of the limit. |       |                 |             |              |      |                   |                   |        |



**Horizontal/Vertical for 1 GHz ~ 3.5 GHz**

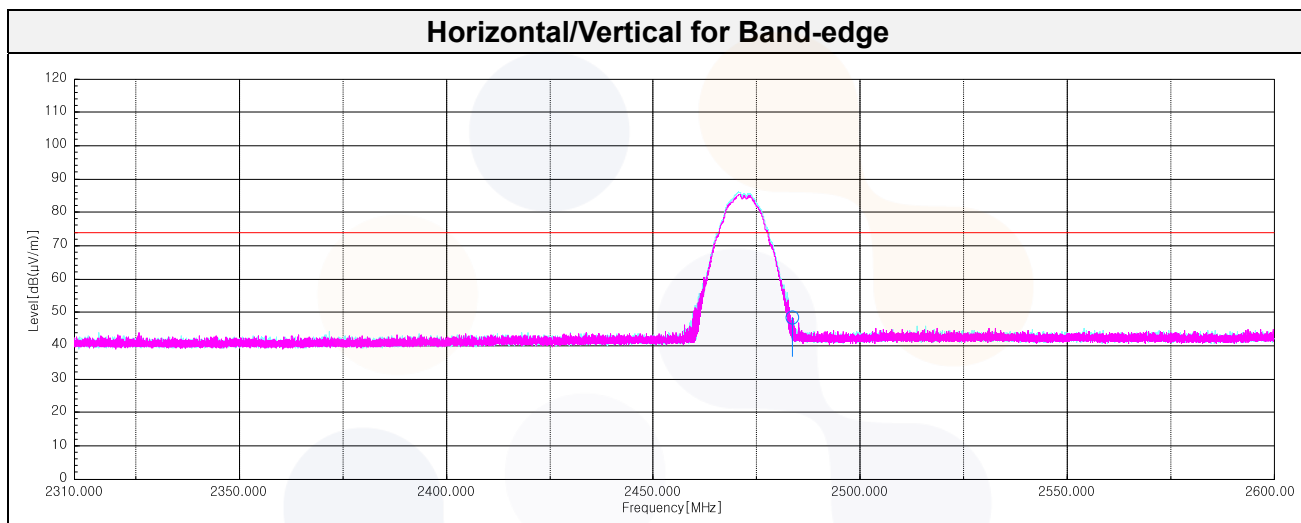


**Horizontal/Vertical for 3.5 GHz ~ 18 GHz**

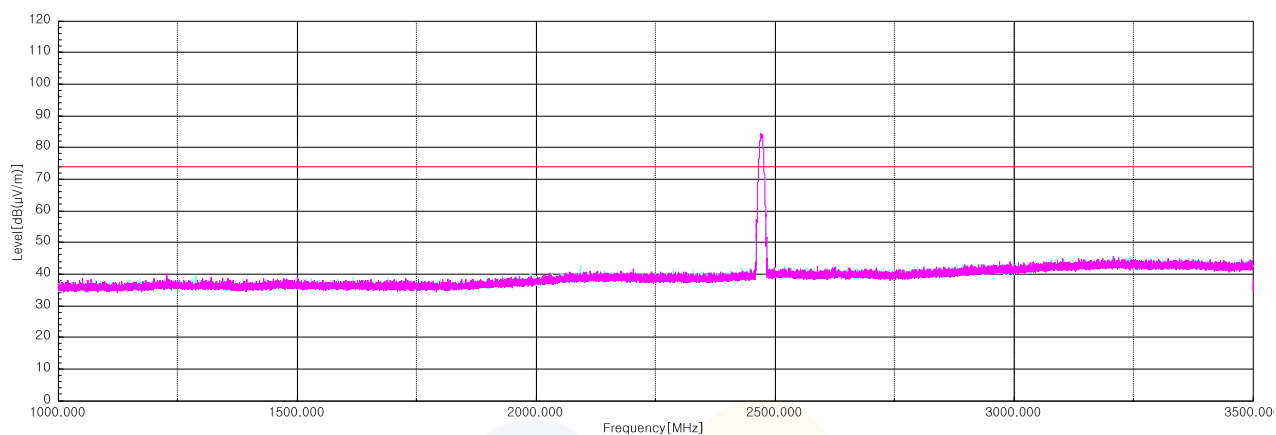


### 802.11b\_2 472 MHz

| Frequency                                                      | Pol.  | Reading         | Ant. Factor | Amp. + Cable | DCF  | Result            | Limit             | Margin |
|----------------------------------------------------------------|-------|-----------------|-------------|--------------|------|-------------------|-------------------|--------|
| (MHz)                                                          | (V/H) | (dB( $\mu V$ )) | (dB)        | (dB)         | (dB) | (dB( $\mu V/m$ )) | (dB( $\mu V/m$ )) | (dB)   |
| <b>Peak data</b>                                               |       |                 |             |              |      |                   |                   |        |
| 2 483.70 <sup>1)</sup>                                         | H     | 50.70           | 27.84       | -30.24       | -    | 48.30             | 74.00             | 25.70  |
| 4 980.93 <sup>1)</sup>                                         | H     | 54.40           | 33.02       | -45.34       | -    | 42.08             | 74.00             | 31.92  |
| 7 452.70 <sup>1)</sup>                                         | V     | 54.10           | 36.49       | -44.07       | -    | 46.52             | 74.00             | 27.48  |
| <b>Average Data</b>                                            |       |                 |             |              |      |                   |                   |        |
| No spurious emissions were detected within 20 dB of the limit. |       |                 |             |              |      |                   |                   |        |



**Horizontal/Vertical for 1 GHz ~ 3.5 GHz**



**Horizontal/Vertical for 3.5 GHz ~ 18 GHz**

