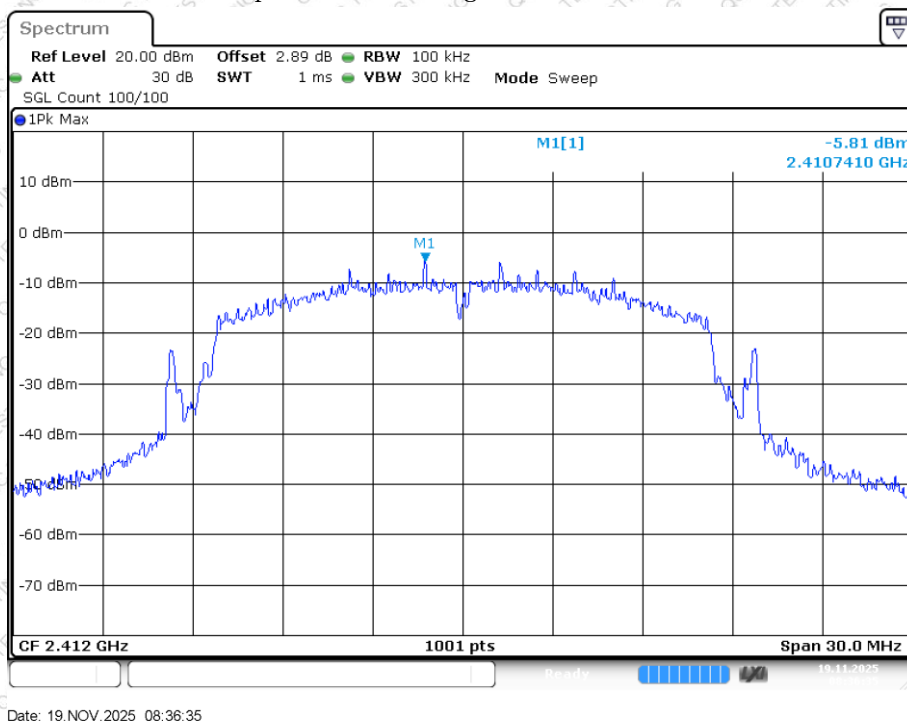
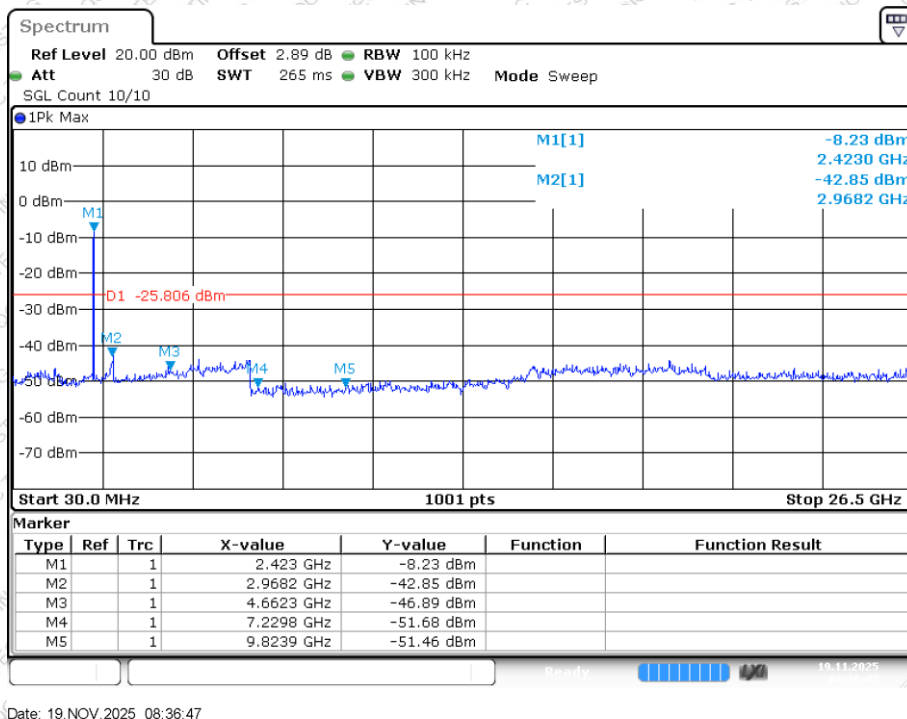




### Tx. Spurious NVNT g 2412MHz Ant1 Ref

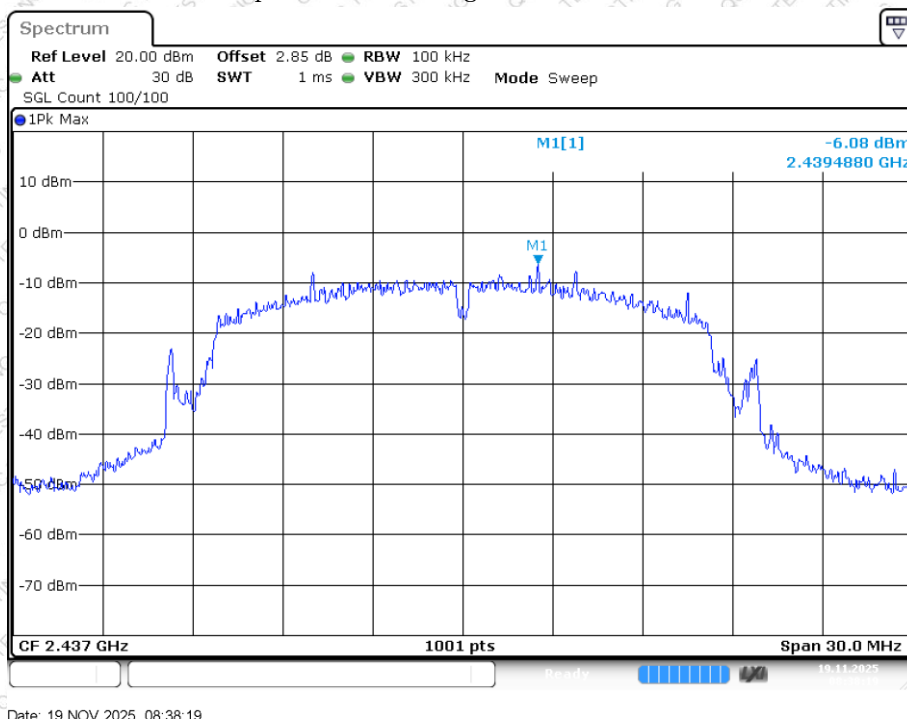


### Tx. Spurious NVNT g 2412MHz Ant1 Emission

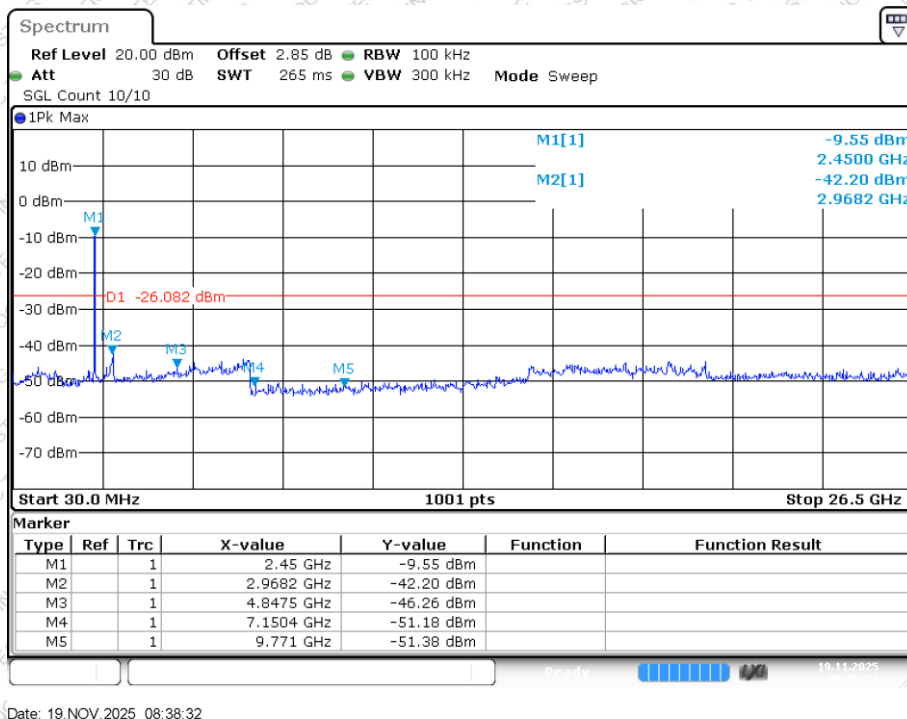




### Tx. Spurious NVNT g 2437MHz Ant1 Ref

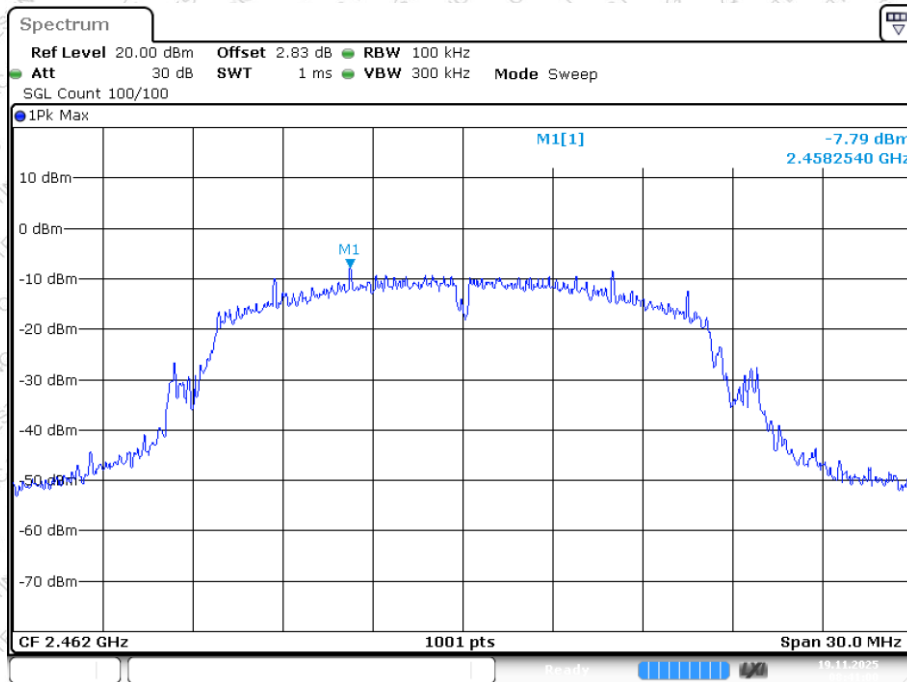


### Tx. Spurious NVNT g 2437MHz Ant1 Emission



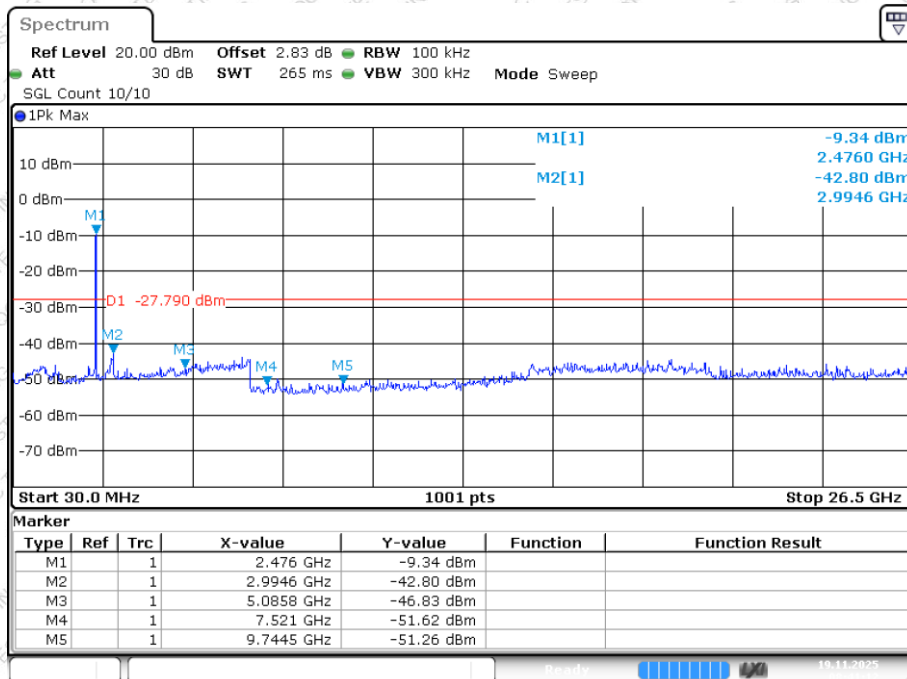


Tx. Spurious NVNT g 2462MHz Ant1 Ref



Date: 19.NOV.2025 08:41:01

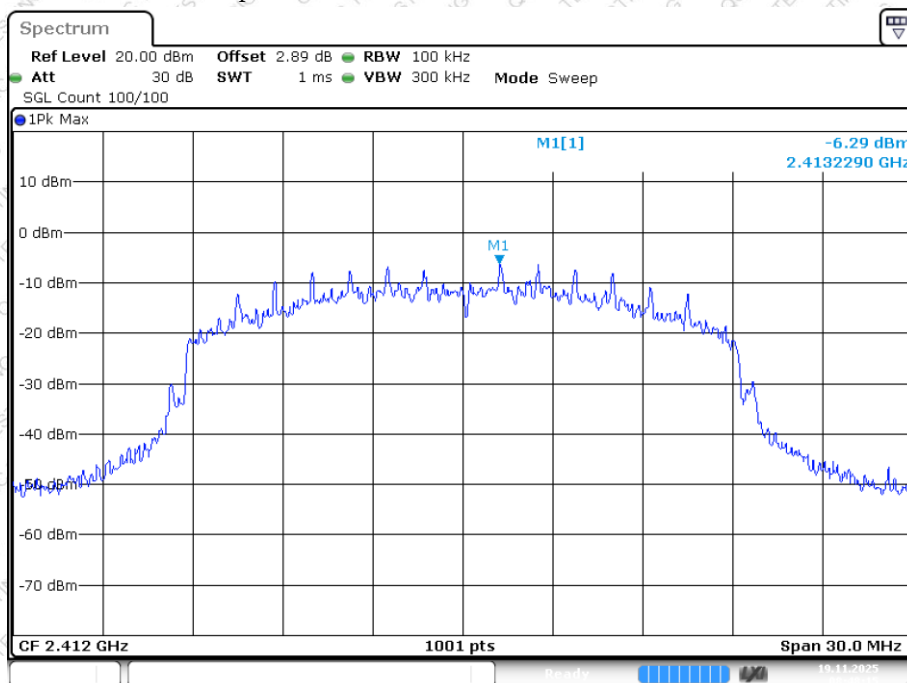
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Date: 19.NOV.2025 08:41:13

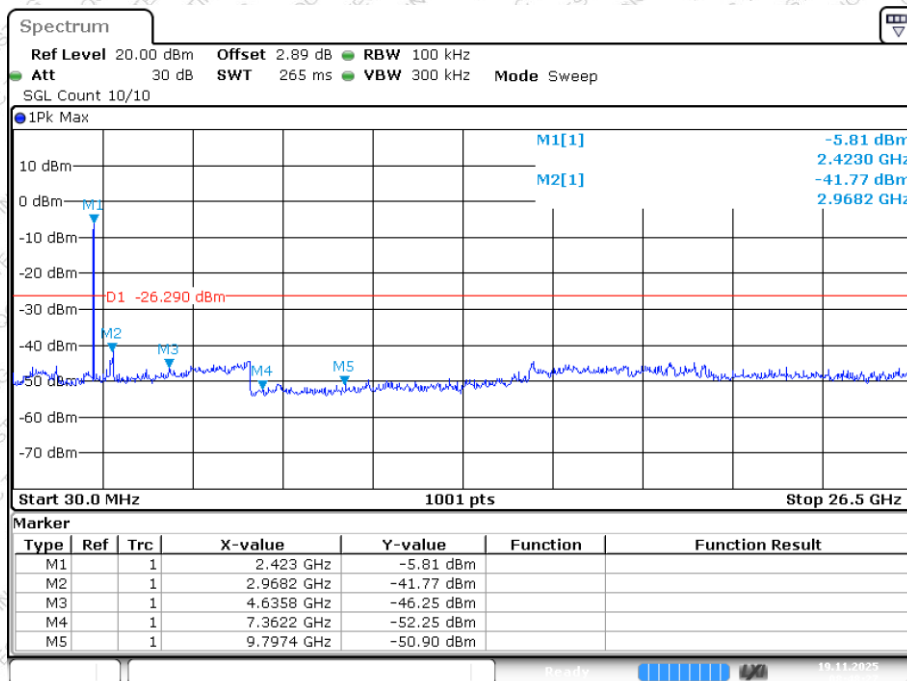


Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Date: 19.NOV.2025 08:48:16

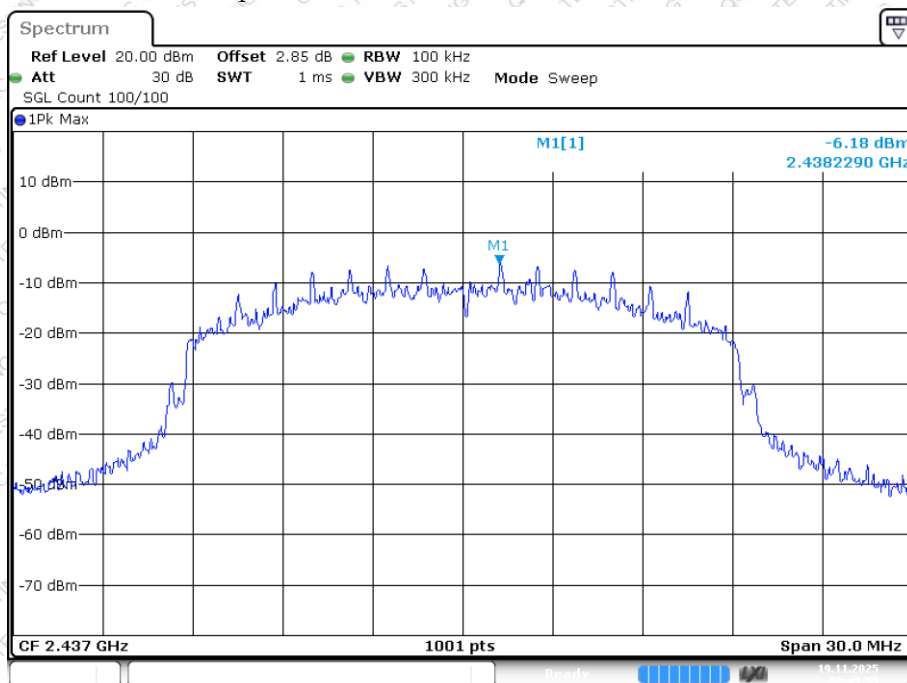
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Date: 19.NOV.2025 08:48:28

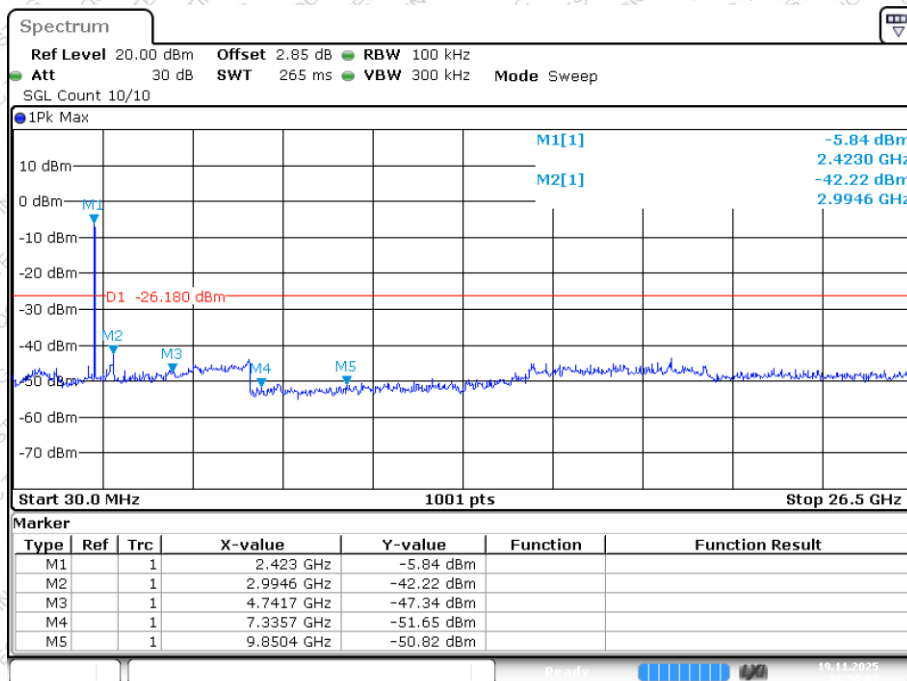


Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Date: 19.NOV.2025 08:49:55

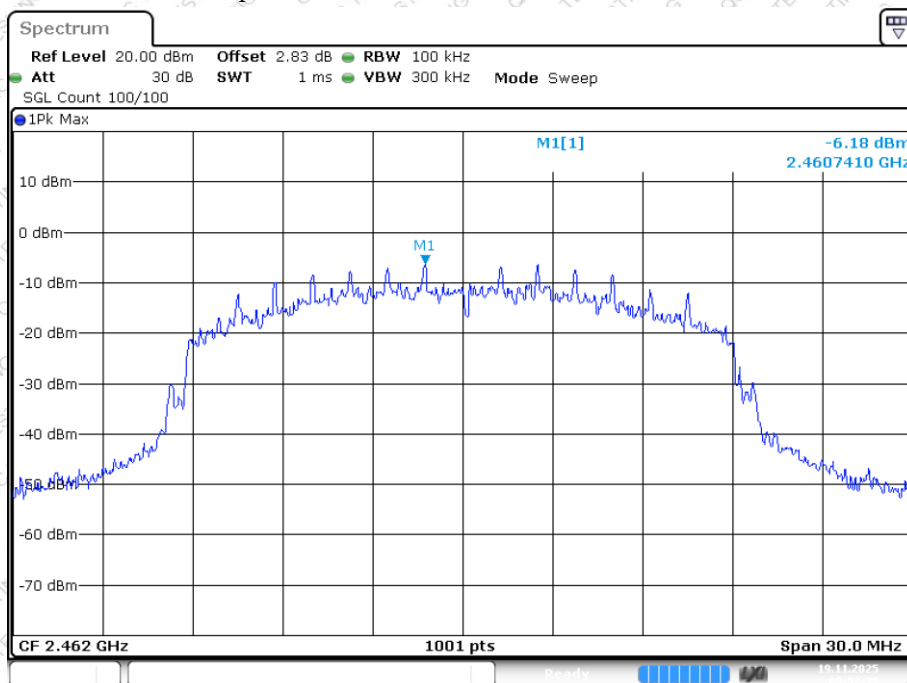
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Date: 19.NOV.2025 08:50:08

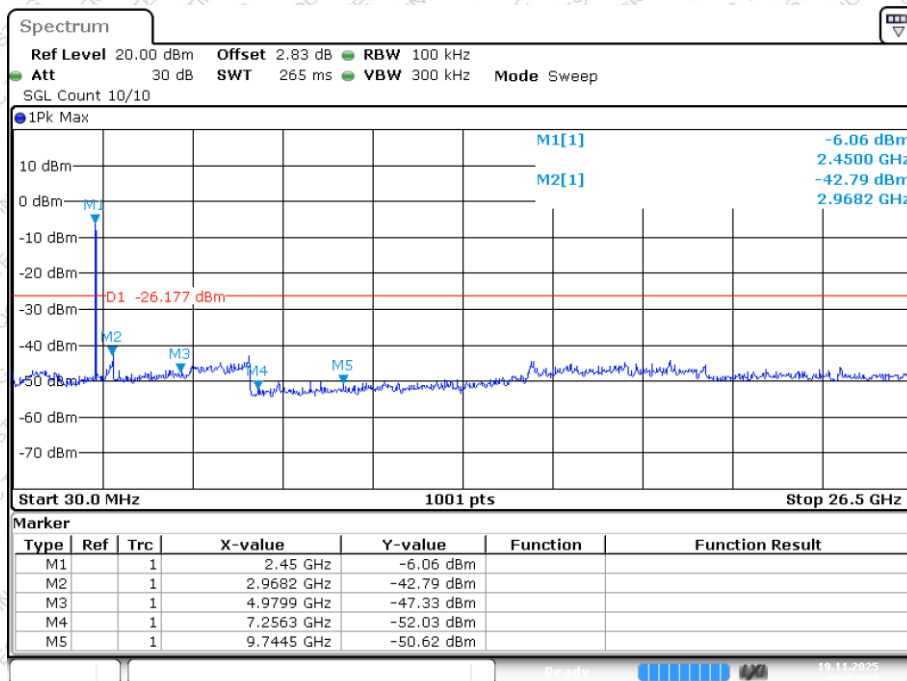


Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Date: 19.NOV.2025 08:52:39

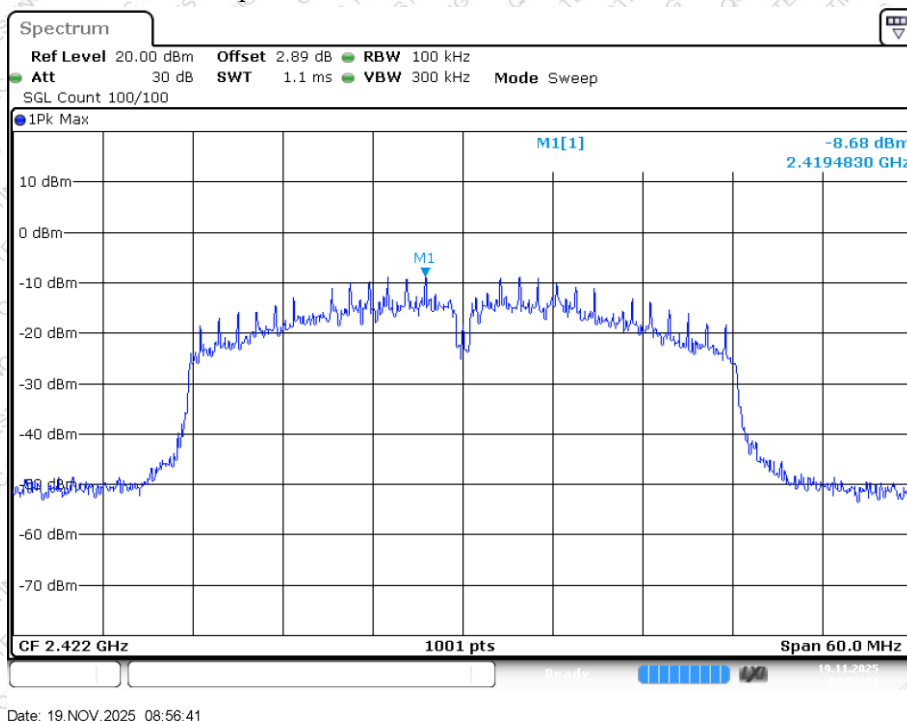
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



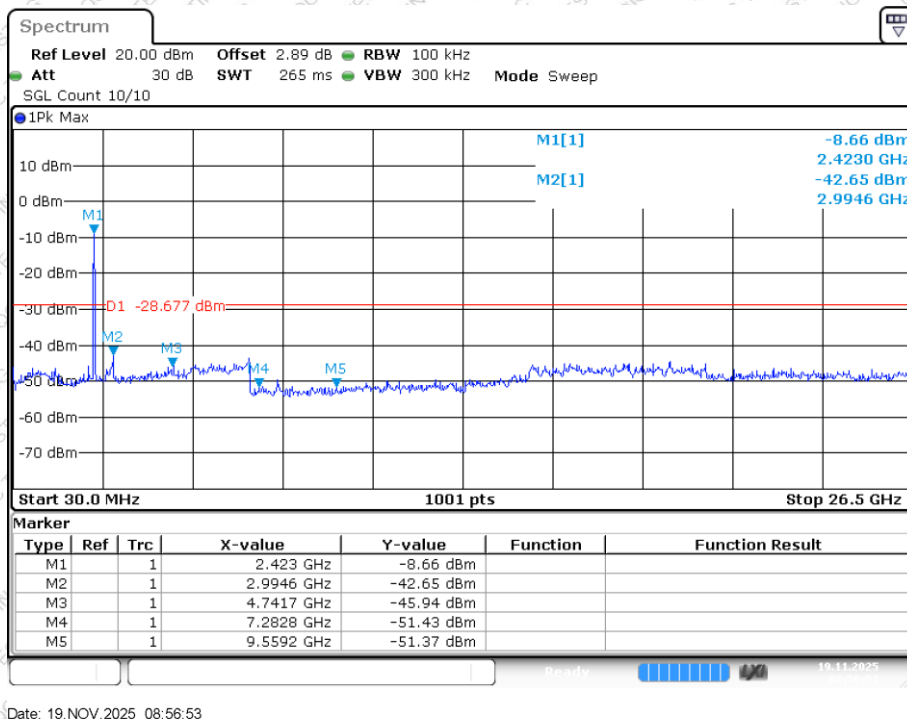
Date: 19.NOV.2025 08:52:51



Tx. Spurious NVNT n40 2422MHz Ant1 Ref

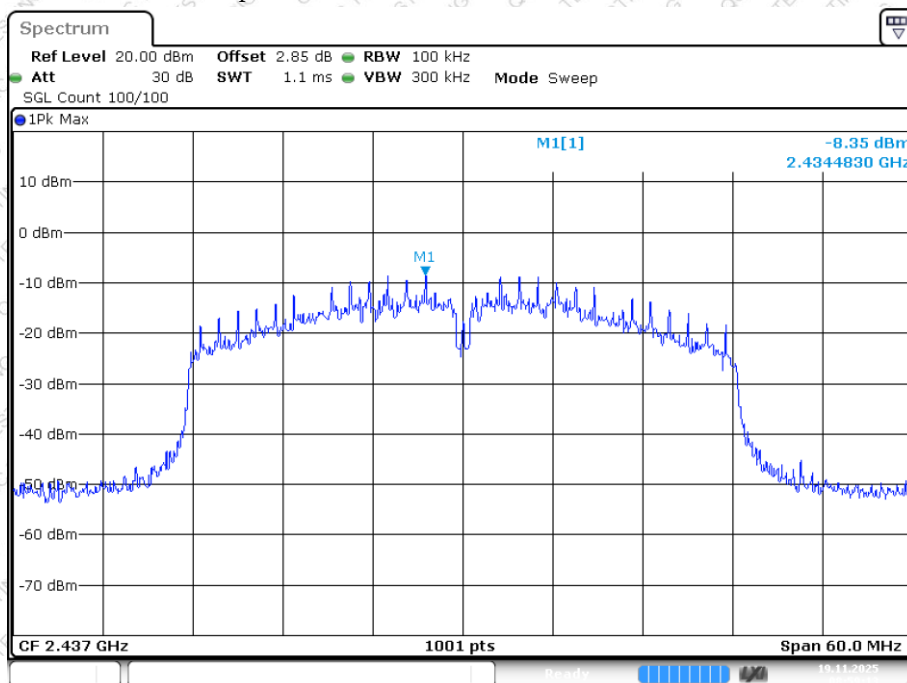


Tx. Spurious NVNT n40 2422MHz Ant1 Emission



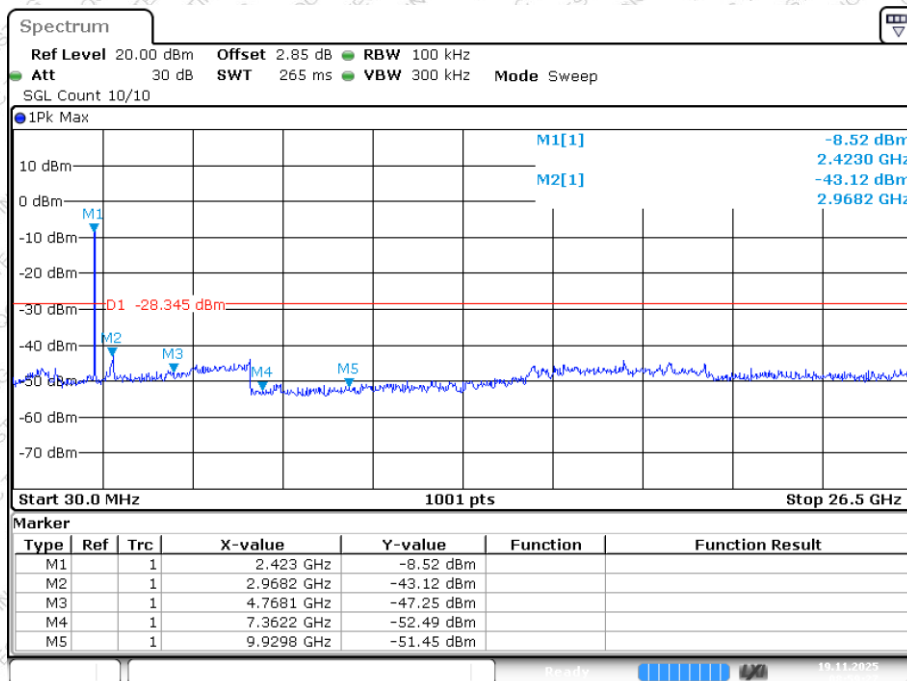


Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Date: 19.NOV.2025 08:59:14

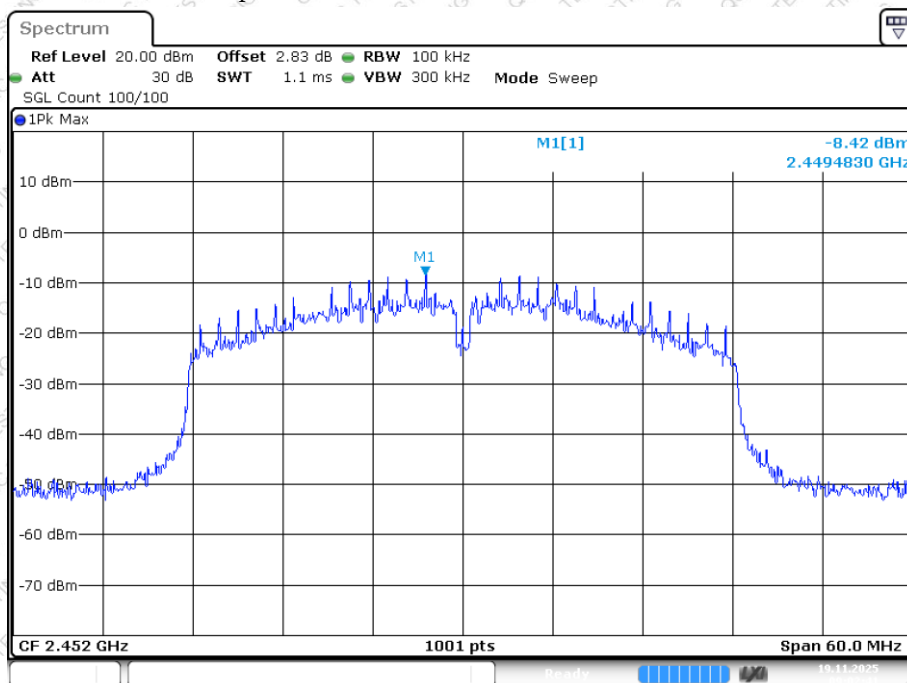
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Date: 19.NOV.2025 08:59:27

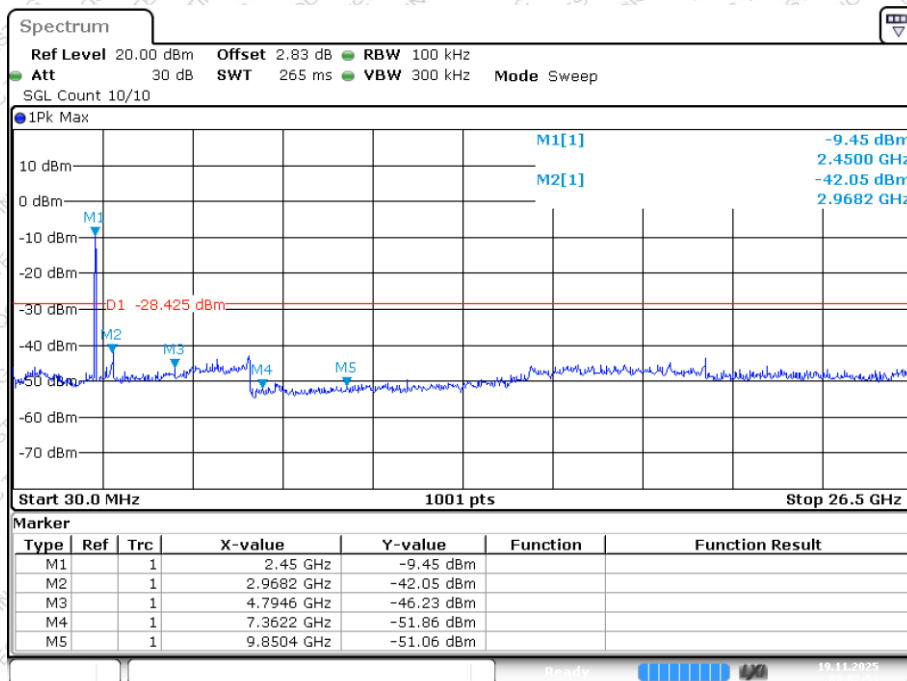


Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Date: 19.NOV.2025 09:02:41

Tx. Spurious NVNT n40 2452MHz Ant1 Emission



Date: 19.NOV.2025 09:02:54

## 9.2 Radiated Emission Method

### 9.2.1 Applicable Standard

FCC Part15 C Section 15.209 and 15.205

### 9.2.2 Limit

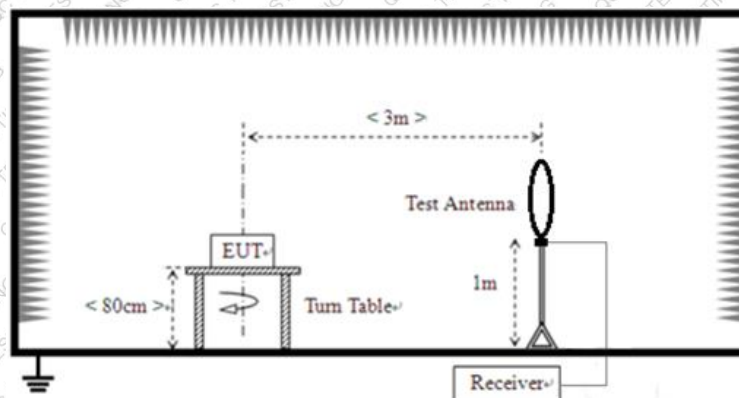
| Frequency         | Limit (uV/m) | Value | Measurement Distance |
|-------------------|--------------|-------|----------------------|
| 0.009MHz-0.490MHz | 2400/F(kHz)  | QP    | 300m                 |
| 0.490MHz-1.705MHz | 24000/F(kHz) | QP    | 30m                  |
| 1.705MHz-30MHz    | 30           | QP    | 30m                  |

| Frequency  | Field Strengths Limits (uV/m at 3 m) | Field Strengths Limits (dBuV/m at 3 m) | Remark     |
|------------|--------------------------------------|----------------------------------------|------------|
| 30 – 88    | 100                                  | 40.0                                   | Quasi-peak |
| 88 – 216   | 150                                  | 43.5                                   | Quasi-peak |
| 216 – 960  | 200                                  | 46.0                                   | Quasi-peak |
| Above 960  | 500                                  | 54.0                                   | Quasi-peak |
| Above 1GHz | /                                    | 74.0                                   | Peak       |
|            |                                      | 54.0                                   | Average    |

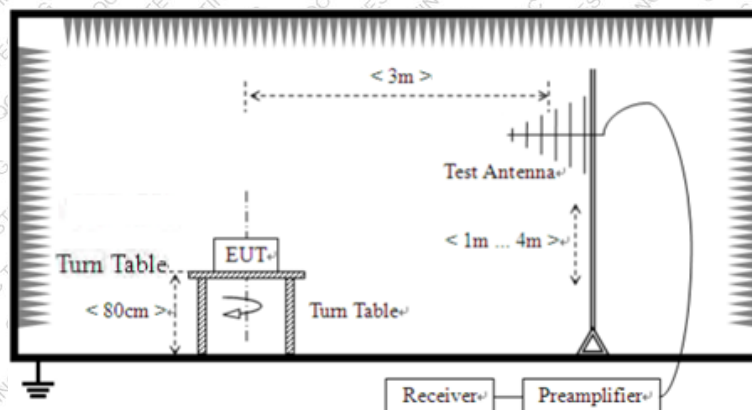
Note:  $\text{dBuV/m} = 20\log(\mu\text{V/m})$

### 9.2.3 Test setup

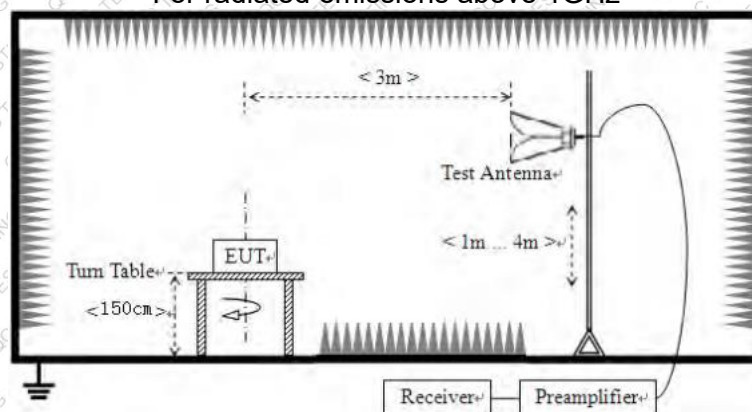
For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



#### 9.2.4 EMI Test Receiver Setup

| Frequency         | RBW     | VBW     | IF B/W  | Measurement |
|-------------------|---------|---------|---------|-------------|
| 9kHz-150kHz       | 200Hz   | 600Hz   | /       | QP          |
| 150kHz-30MHz      | 9kHz    | 30kHz   | /       | QP          |
| 30 MHz – 1000 MHz | 100 kHz | 300 kHz | 120 kHz | QP          |
| Above 1 GHz       | 1 MHz   | 3 MHz   | /       | Peak        |
|                   | 1 MHz   | 10 Hz   | /       | Average     |

Remark: For the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission test in these three bands are based on measurements employing an average detector.

#### 9.2.5 Test procedure

- The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna



are set to make the measurement.

- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

#### 9.2.6 Test Data

|              |          |              |         |
|--------------|----------|--------------|---------|
| Temperature  | 25-26 °C | Humidity     | 49-49 % |
| ATM Pressure | 101.1kPa | Antenna Gain | 2.45dBi |
| Test by      | Fan Yang | Test result  | PASS    |

#### Remarks:

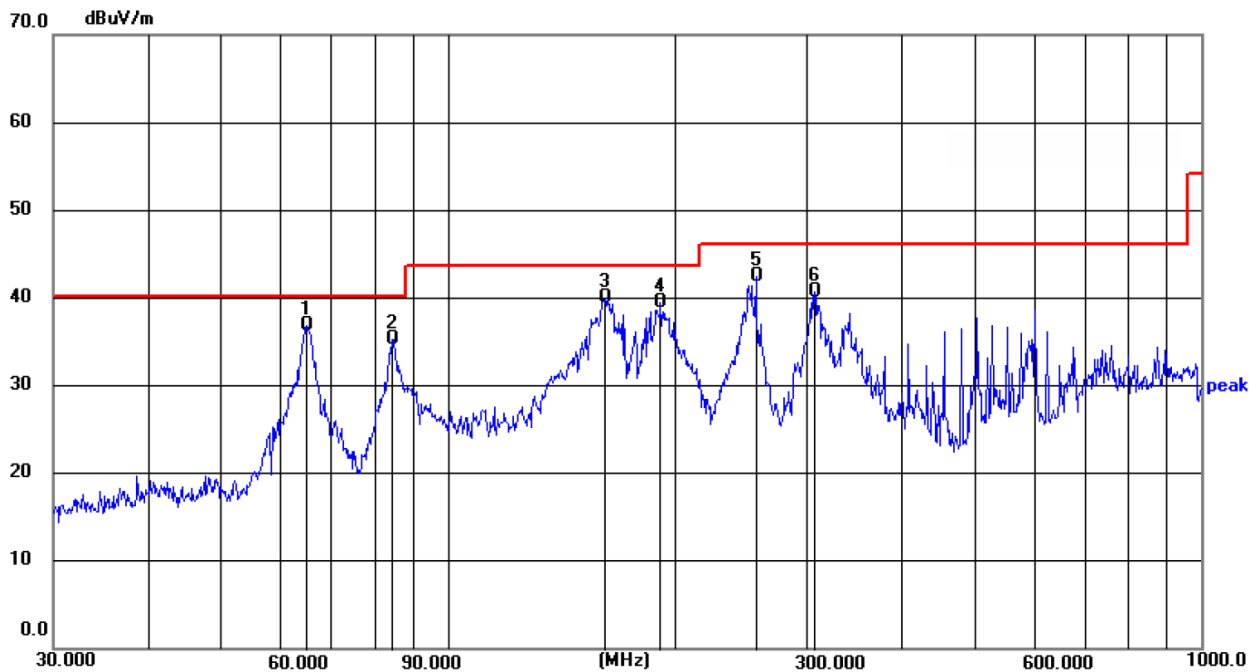
1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y- axis which it is worse case.
2. Data of measurement within frequency range 9kHz-30MHz, 1-26GHz are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured, so test data does not present in this report.



### Below 1GHz

Pre-scan all test modes, found worst case at 802.11b mode 2412MHz, and so only show the test result of 802.11b mode 2412MHz

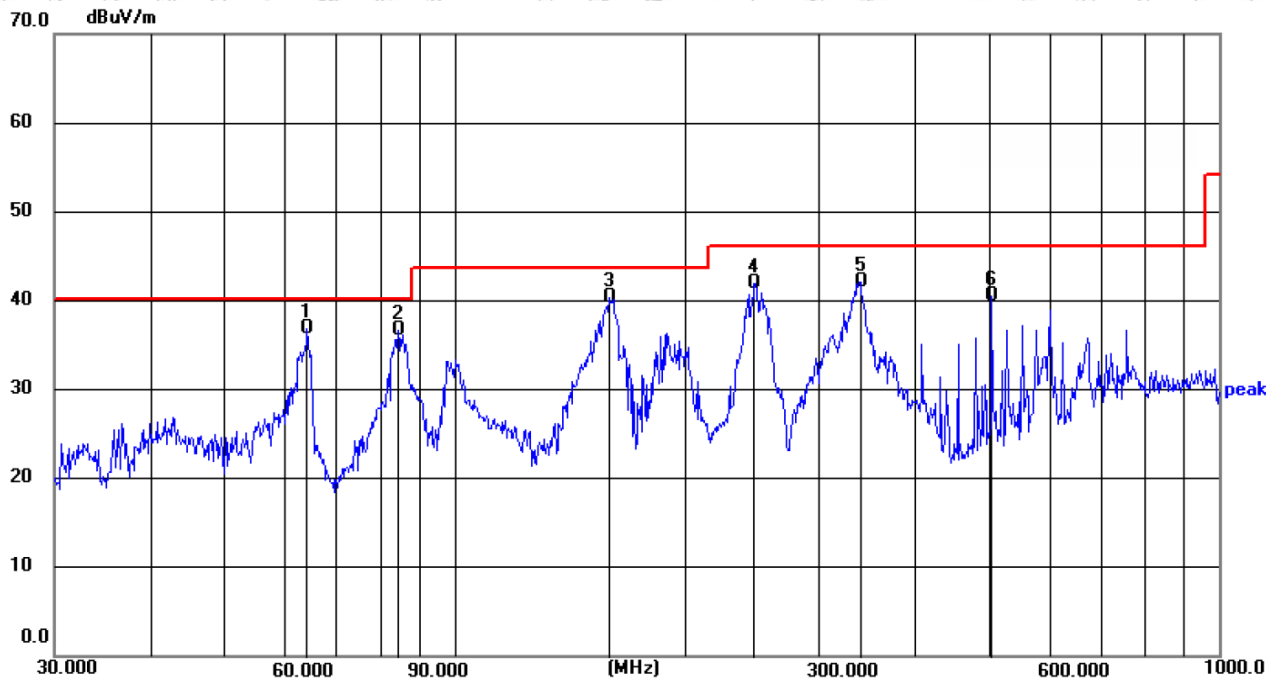
### Horizontal:



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 64.8863         | 23.62          | 13.14         | 36.76          | 40.00          | 3.24        | QP       |
| 2   | 84.4054         | 24.98          | 10.28         | 35.26          | 40.00          | 4.74        | QP       |
| 3   | 161.4738        | 25.36          | 14.55         | 39.91          | 43.50          | 3.59        | QP       |
| 4   | 191.7450        | 27.66          | 11.78         | 39.44          | 43.50          | 4.06        | QP       |
| 5   | 256.5210        | 29.00          | 13.50         | 42.50          | 46.00          | 3.50        | QP       |
| 6   | 306.7536        | 25.90          | 14.78         | 40.68          | 46.00          | 5.32        | QP       |



Vertical:



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 64.2074         | 23.95          | 12.86         | 36.81          | 40.00          | 3.19        | QP       |
| 2   | 84.4054         | 26.65          | 9.96          | 36.61          | 40.00          | 3.39        | QP       |
| 3 * | 159.2247        | 25.97          | 14.42         | 40.39          | 43.50          | 3.11        | QP       |
| 4   | 246.8146        | 28.57          | 13.34         | 41.91          | 46.00          | 4.09        | QP       |
| 5   | 339.5887        | 26.48          | 15.59         | 42.07          | 46.00          | 3.93        | QP       |
| 6   | 504.7062        | 20.80          | 19.63         | 40.43          | 46.00          | 5.57        | QP       |

**Above 1GHz**

Pre-scan all test modes, found worst case at 802.11b mode, and so only show the test result of 802.11b mode.

Test channel: Lowest channel

| Frequency (MHz) | Read Level (dBμV) | polarization | Factor (dB/m) | Level (dBμV/m) | Limit Line (dBμV/m) | Margin (dB) | Detector |
|-----------------|-------------------|--------------|---------------|----------------|---------------------|-------------|----------|
| 2310            | 59.18             | H            | -22.55        | 36.63          | 74                  | 37.37       | peak     |
| 2310            | 56.57             | V            | -22.55        | 34.02          | 74                  | 39.98       | peak     |
| 2390            | 73                | H            | -22.39        | 50.61          | 74                  | 23.39       | peak     |
| 2390            | 69.37             | V            | -22.39        | 46.98          | 74                  | 27.02       | peak     |
| 4824            | 54.68             | H            | -18.8         | 35.88          | 74                  | 38.12       | peak     |
| 4824            | 53.64             | V            | -18.8         | 34.84          | 74                  | 39.16       | peak     |

Test channel: Middle channel

| Frequency (MHz) | Read Level (dBμV) | polarization | Factor (dB/m) | Level (dBμV/m) | Limit Line (dBμV/m) | Margin (dB) | Detector |
|-----------------|-------------------|--------------|---------------|----------------|---------------------|-------------|----------|
| 4874            | 54.57             | H            | -18.64        | 35.93          | 74                  | 38.07       | peak     |
| 4874            | 52.87             | V            | -18.64        | 34.23          | 74                  | 39.77       | peak     |

Test channel: Highest channel

| Frequency (MHz) | Read Level (dBμV) | polarization | Factor (dB/m) | Level (dBμV/m) | Limit Line (dBμV/m) | Margin (dB) | Detector |
|-----------------|-------------------|--------------|---------------|----------------|---------------------|-------------|----------|
| 2483.5          | 56.69             | H            | -22.2         | 34.49          | 74                  | 39.51       | peak     |
| 2483.5          | 55.72             | V            | -22.2         | 33.52          | 74                  | 40.48       | peak     |
| 2500            | 55.23             | H            | -22.17        | 33.06          | 74                  | 40.94       | peak     |
| 2500            | 53.92             | V            | -22.17        | 31.75          | 74                  | 42.25       | peak     |
| 4924            | 55.93             | H            | -18.48        | 37.45          | 74                  | 36.55       | peak     |
| 4924            | 55.34             | V            | -18.48        | 36.86          | 74                  | 37.14       | peak     |

**Remarks:**

1. Level = Receiver Read level + Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. If the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in above table if the peak value complies with average limit.

----- THE END OF TEST REPORT -----