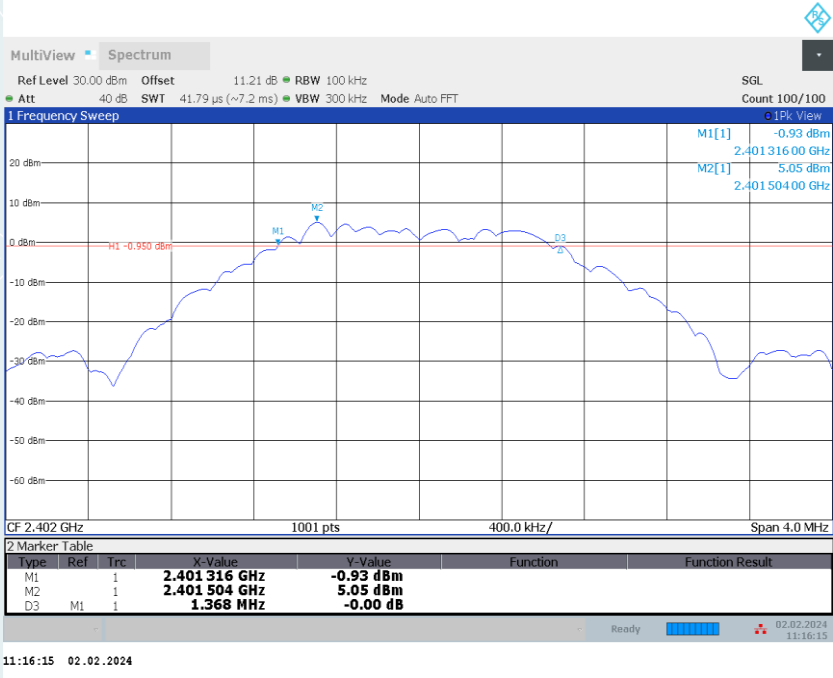
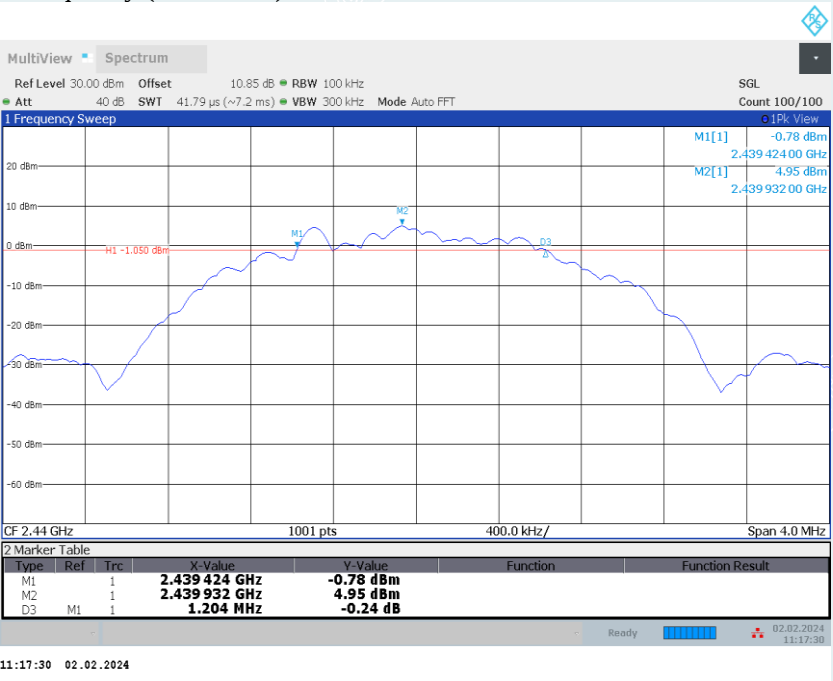


BLE\_2M

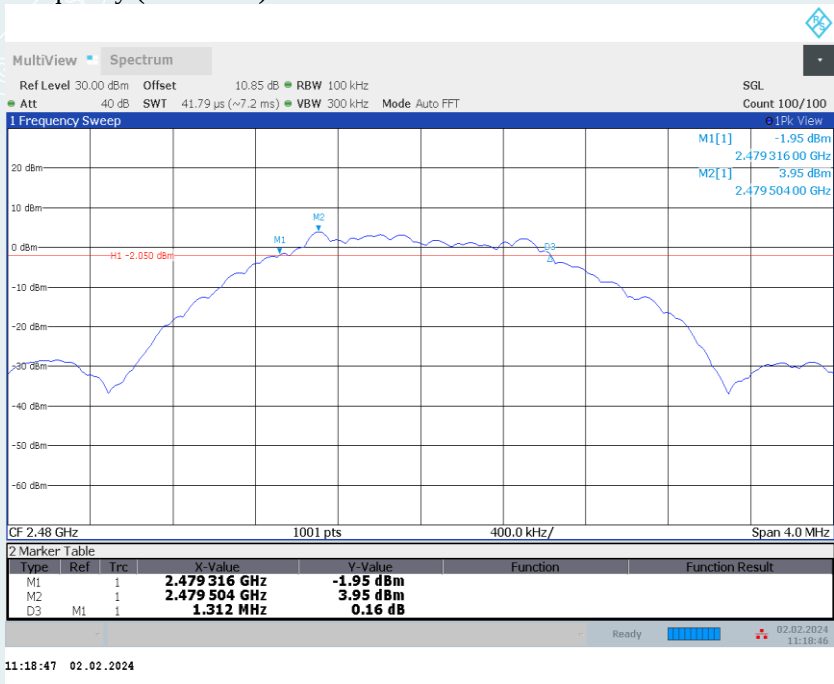
Lowest Frequency (2402MHz)



Middle Frequency (2440 MHz)



Highest Frequency (2480MHz)



----- The following blanks -----

9. MAXIMUM PEAK OUTPUT POWER

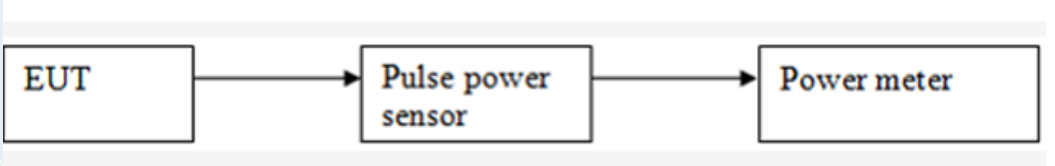
9.1 LIMITS

The maximum Peak output power measurement is 1W

9.2 TEST PROCEDURES

- a) RF output of EUT was connected to the broadband peak RF power meter by RF cable. The path loss was compensated to the results for each measurement.
- b) Set to the maximum power setting and enable the EUT transmit continuously.
- c) Measure the conducted output power and record the results in the test report.

9.3 TEST SETUP



9.4 TEST RESULTS

Environment: 23.1°C/68%RH/101.0kPa  
Tested By: Huang Tianmei

Voltage: DC 6V  
Date: 2024-02-02

BLE\_1M

| Channel | Frequency (MHz) | Measured Channel Power (dBm) | Limit      | Peak/ Average | Result |
|---------|-----------------|------------------------------|------------|---------------|--------|
| Lowest  | 2402            | 8.12                         | 1W (30dBm) | Peak          | Pass   |
| Middle  | 2440            | 8.52                         |            |               | Pass   |
| Highest | 2480            | 8.17                         |            |               | Pass   |

BLE\_2M

| Channel | Frequency (MHz) | Measured Channel Power (dBm) | Limit      | Peak/ Average | Result |
|---------|-----------------|------------------------------|------------|---------------|--------|
| Lowest  | 2402            | 8.14                         | 1W (30dBm) | Peak          | Pass   |
| Middle  | 2440            | 8.56                         |            |               | Pass   |
| Highest | 2480            | 8.20                         |            |               | Pass   |

## 10. POWER SPECTRAL DENSITY

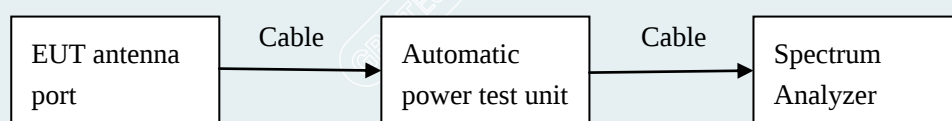
### 10.1 LIMITS

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

### 10.2 TEST PROCEDURES

- a) Remove the antenna from the EUT, and then connect a low loss RF cable from antenna port to the spectrum analyzer.
- b) Position the EUT was set without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- c) The following procedure shall be used if maximum peak conducted output power was used to determine compliance, and it is optional if the maximum conducted (average) output power was used to determine compliance:
  - a) Set analyzer center frequency to DTS channel center frequency.
  - b) Set the span to at least 1.5 times the DTS bandwidth.
  - c) Set the RBW to  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .
  - d) Set the VBW  $\geq [3 \times \text{RBW}]$ .
  - e) Detector = peak
  - f) Sweep time = auto couple.
  - g) Trace mode = max hold.
  - h) Allow trace to fully stabilize.
  - i) Use the peak marker function to determine the maximum amplitude level within the RBW.
  - j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.
- d) Repeat above procedures until all frequencies measured were complete.

### 10.3 TEST SETUP



10.4 TEST RESULTS

Environment: 23.1℃/68%RH/101.0kPa  
Tested By: Huang Tianmei

Voltage: DC 6V  
Date: 2024-02-02

BLE\_1M

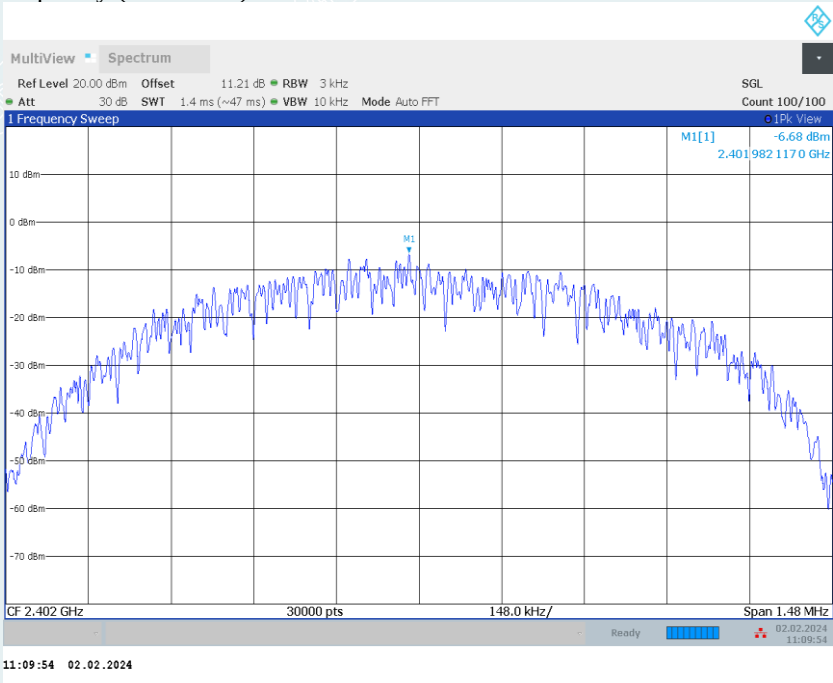
| Channel | Frequency (MHz) | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Test Result |
|---------|-----------------|----------------|------------------|-------------|
| Lowest  | 2402            | -6.68          | 8.00             | PASS        |
| Middle  | 2440            | -7.02          |                  | PASS        |
| Highest | 2480            | -7.73          |                  | PASS        |

BLE\_2M

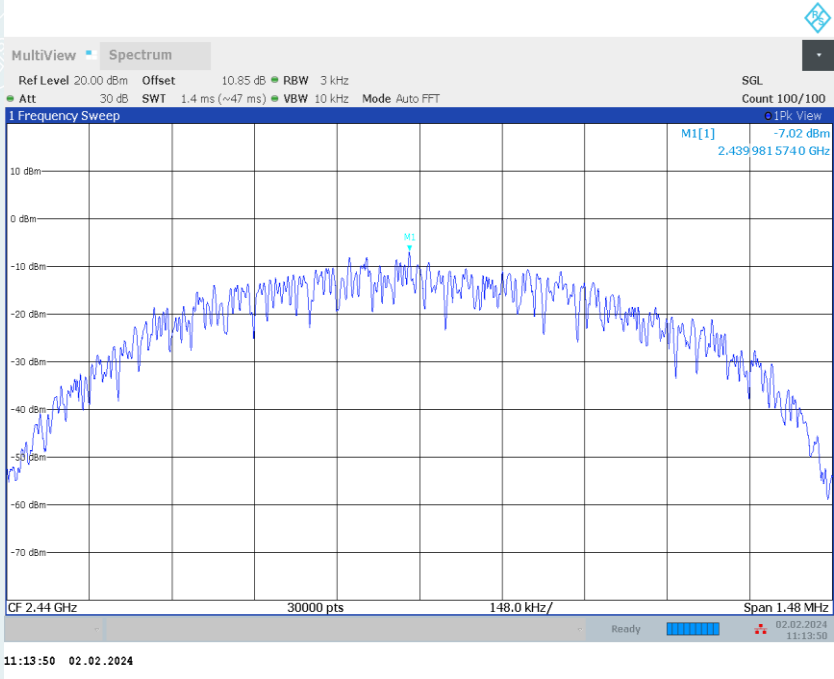
| Channel | Frequency (MHz) | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Test Result |
|---------|-----------------|----------------|------------------|-------------|
| Lowest  | 2402            | -9.13          | 8.00             | PASS        |
| Middle  | 2440            | -9.54          |                  | PASS        |
| Highest | 2480            | -10.23         |                  | PASS        |

BLE\_1M

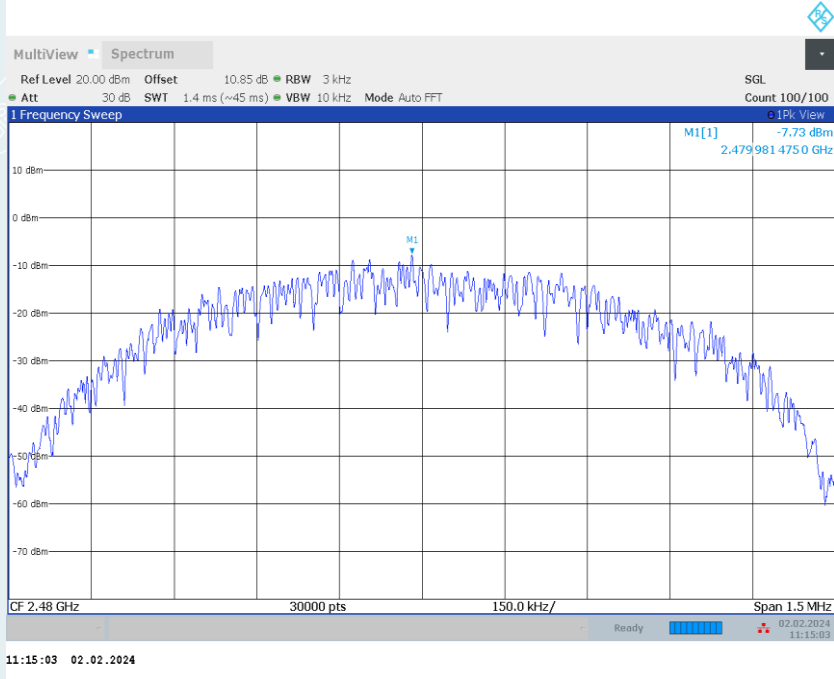
Lowest Frequency (2402MHz)



Middle Frequency (2440 MHz)

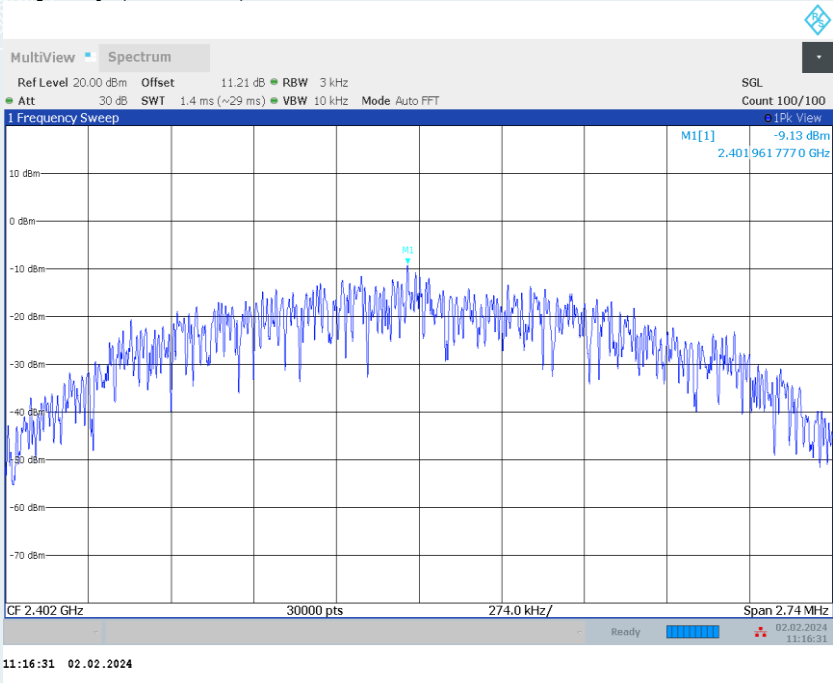


Highest Frequency (2480MHz)

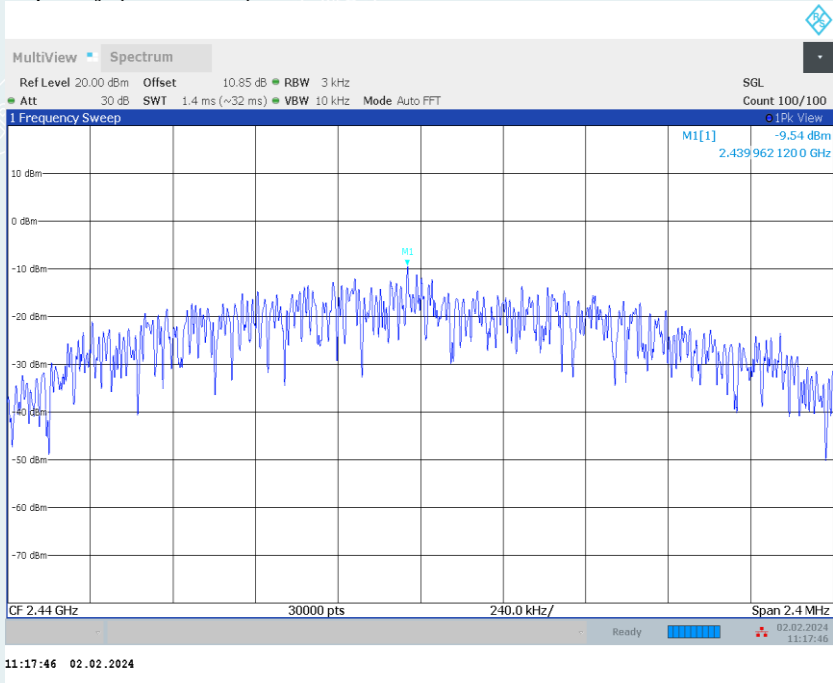


BLE\_2M

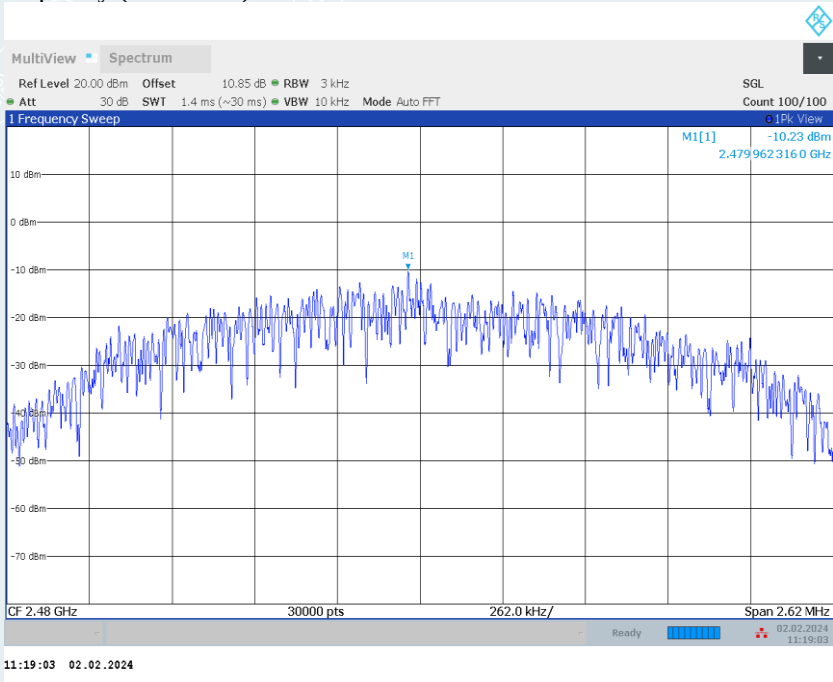
Lowest Frequency (2402MHz)



Middle Frequency (2440 MHz)



Highest Frequency (2480MHz)



----- The following blanks -----

## 11. CONDUCTED BAND EDGES AND SPURIOUS EMISSIONS

### 11.1 LIMITS

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30dB instead of 20dB.

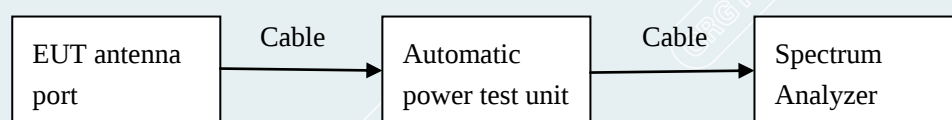
### 11.2 TEST PROCEDURES

Test procedures follow KDB 558074 D01 15.247 Measurement Guidance v05r02.

Remove the antenna from the EUT and then connect a low attenuation cable from the antenna port to the spectrum.

- Remove the antenna from the EUT and then connect a low attenuation cable from the antenna port to the spectrum.
- Set the spectrum analyzer: RBW =100kHz; VBW =300kHz, Frequency range = 30MHz to 26.5GHz; Sweep = auto; Detector Function = Peak. Trace = Max, hold.
- Measure and record the results in the test report.
- The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

### 11.3 TEST SETUP



11.4 TEST RESULTS

Environment: 23.1℃/68%RH/101.0kPa  
Tested By: Huang Tianmei

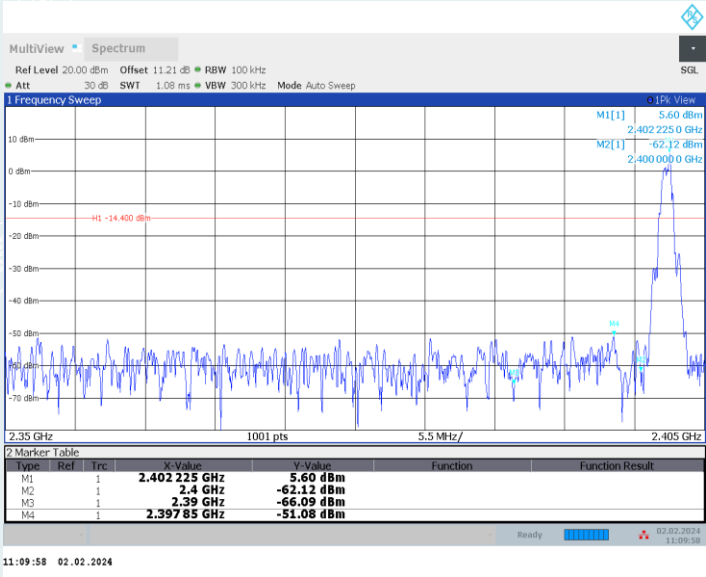
Voltage: DC 6V  
Date: 2024-02-02

Band edge measurements

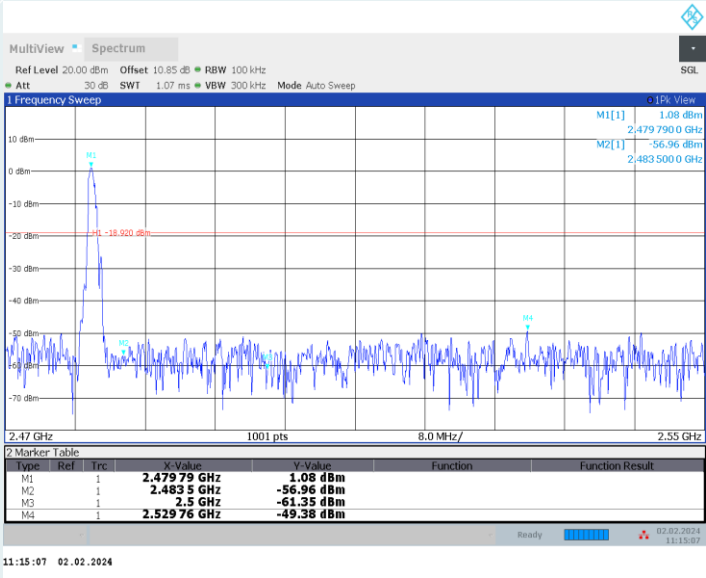
| TestMode | Antenna | ChName | Freq(MHz) | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|-----------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402      | 5.60          | -51.08      | ≤-14.4     | PASS    |
|          |         | High   | 2480      | 1.08          | -49.38      | ≤-18.92    | PASS    |
| BLE_2M   | Ant1    | Low    | 2402      | 2.58          | -35.94      | ≤-17.42    | PASS    |
|          |         | High   | 2480      | 1.36          | -49.53      | ≤-18.64    | PASS    |

BLE\_1M

Lowest Frequency (2402MHz)  
2.35GHz-2.405GHz

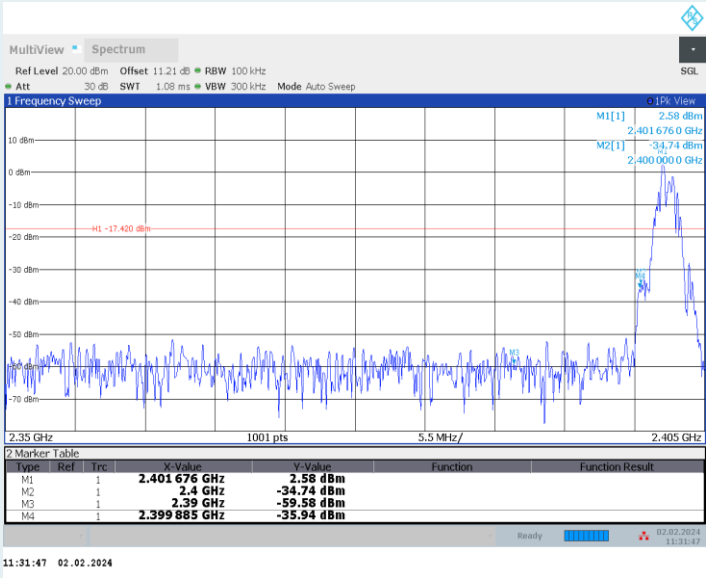


Highest Frequency (2480MHz)  
2.47GHz-2.55GHz

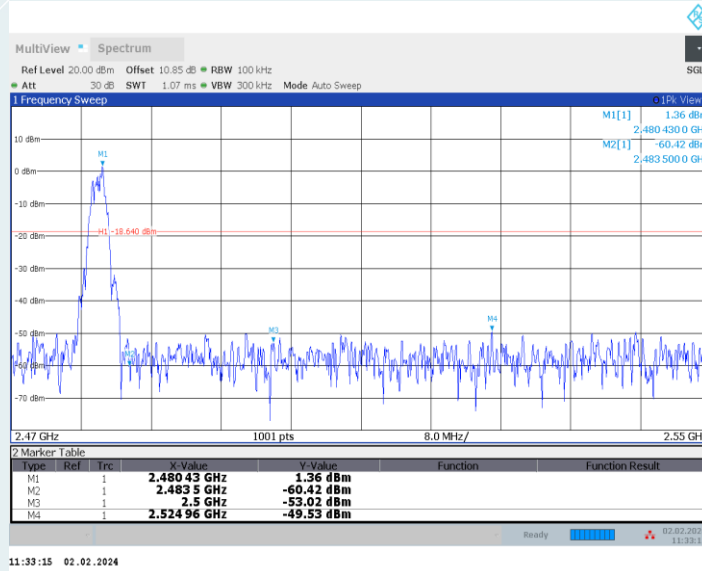


BLE\_2M

Lowest Frequency (2402MHz)  
2.35GHz-2.405GHz



Highest Frequency (2480MHz)  
2.47GHz-2.55GHz

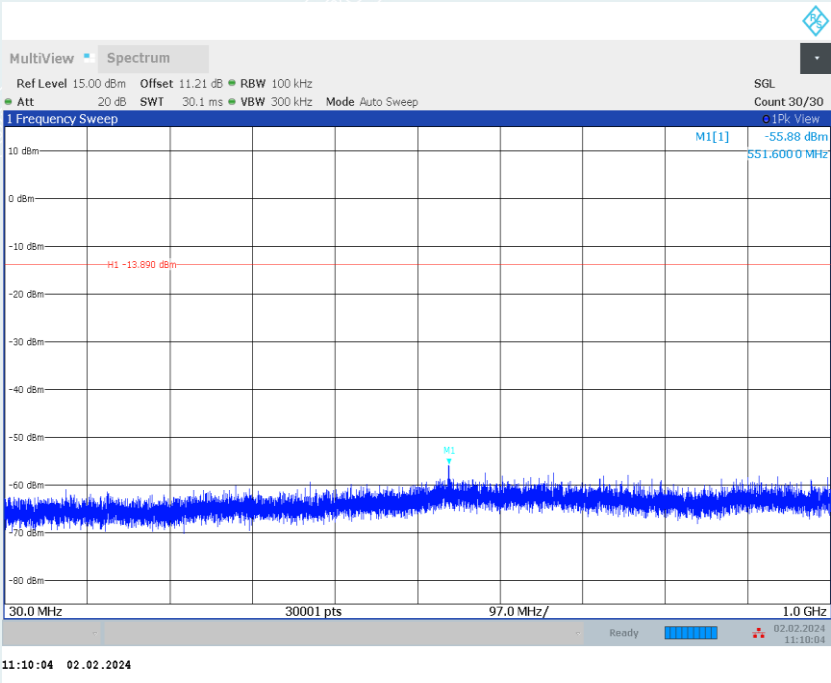
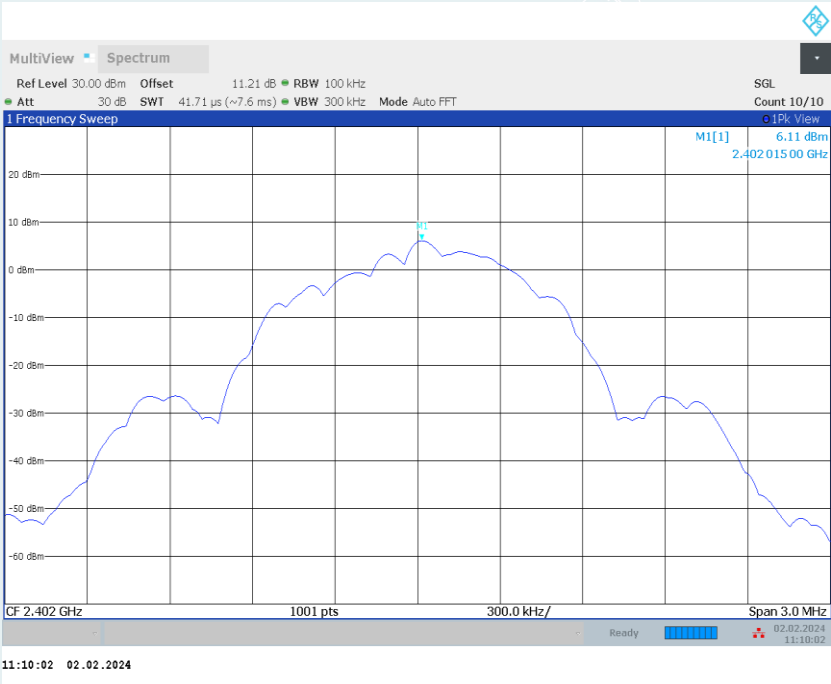


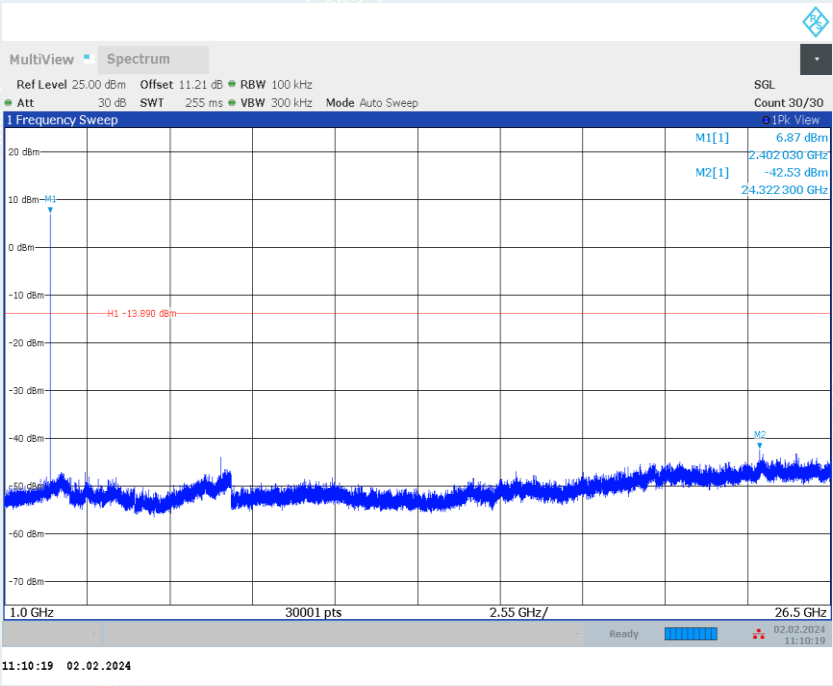
### Conducted Spurious Emission

| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|-----------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402      | Reference       | 6.11           | 6.11        | ---        | PASS    |
|          |         |           | 30~1000         | 6.11           | -55.88      | ≤-13.89    | PASS    |
|          |         |           | 1000~26500      | 6.11           | -42.53      | ≤-13.89    | PASS    |
|          |         | 2440      | Reference       | 5.02           | 5.02        | ---        | PASS    |
|          |         |           | 30~1000         | 5.02           | -57.35      | ≤-14.98    | PASS    |
|          |         |           | 1000~26500      | 5.02           | -43.74      | ≤-14.98    | PASS    |
|          |         | 2480      | Reference       | 3.52           | 3.52        | ---        | PASS    |
|          |         |           | 30~1000         | 3.52           | -57.5       | ≤-16.48    | PASS    |
|          |         |           | 1000~26500      | 3.52           | -43.55      | ≤-16.48    | PASS    |
| BLE_2M   | Ant1    | 2402      | Reference       | 2.39           | 2.39        | ---        | PASS    |
|          |         |           | 30~1000         | 2.39           | -57.63      | ≤-17.61    | PASS    |
|          |         |           | 1000~26500      | 2.39           | -42.7       | ≤-17.61    | PASS    |
|          |         | 2440      | Reference       | 2.16           | 2.16        | ---        | PASS    |
|          |         |           | 30~1000         | 2.16           | -58.26      | ≤-17.84    | PASS    |
|          |         |           | 1000~26500      | 2.16           | -44.27      | ≤-17.84    | PASS    |
|          |         | 2480      | Reference       | 4.00           | 4.00        | ---        | PASS    |
|          |         |           | 30~1000         | 4.00           | -58.27      | ≤-16       | PASS    |
|          |         |           | 1000~26500      | 4.00           | -44.15      | ≤-16       | PASS    |

BLE\_1M

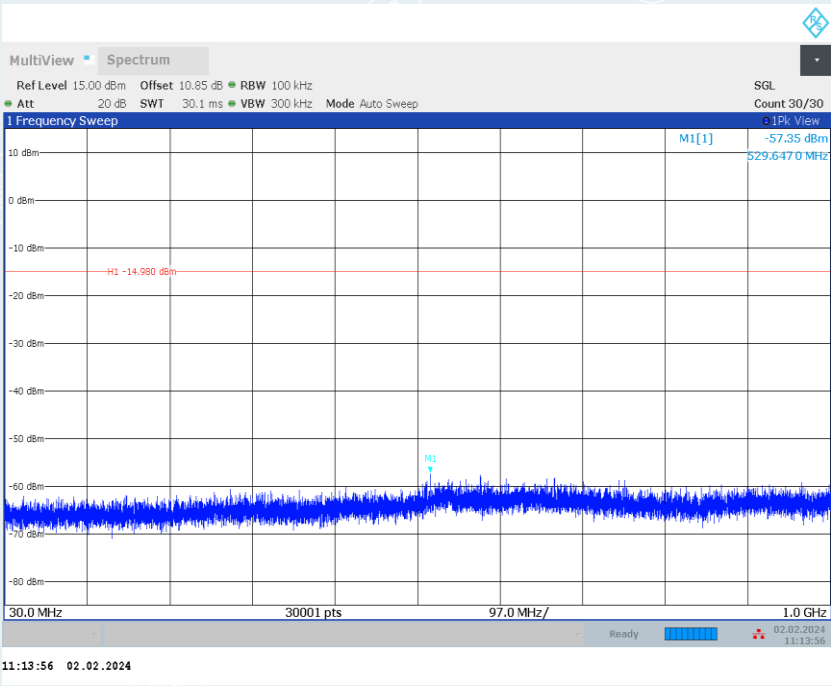
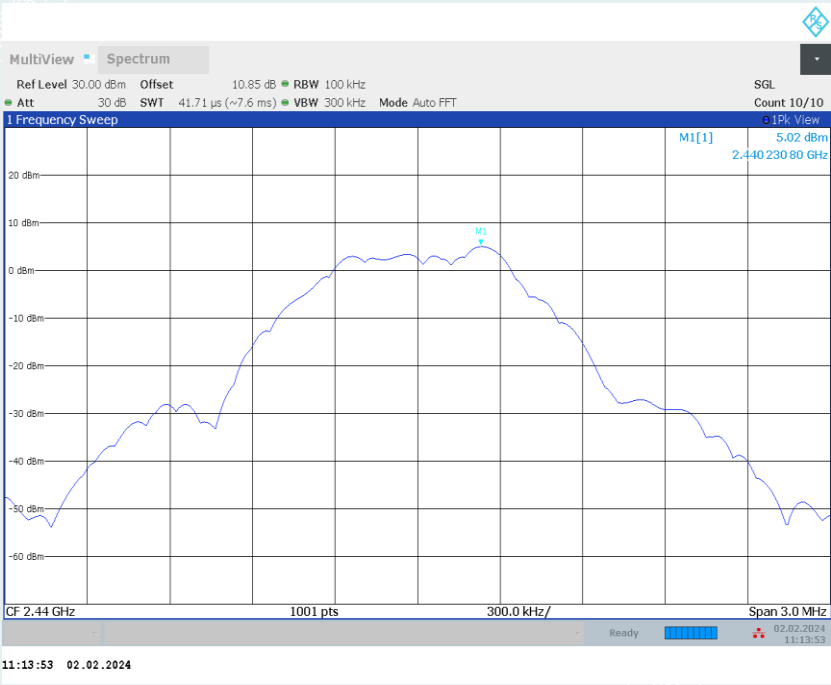
Lowest Frequency (2402MHz)

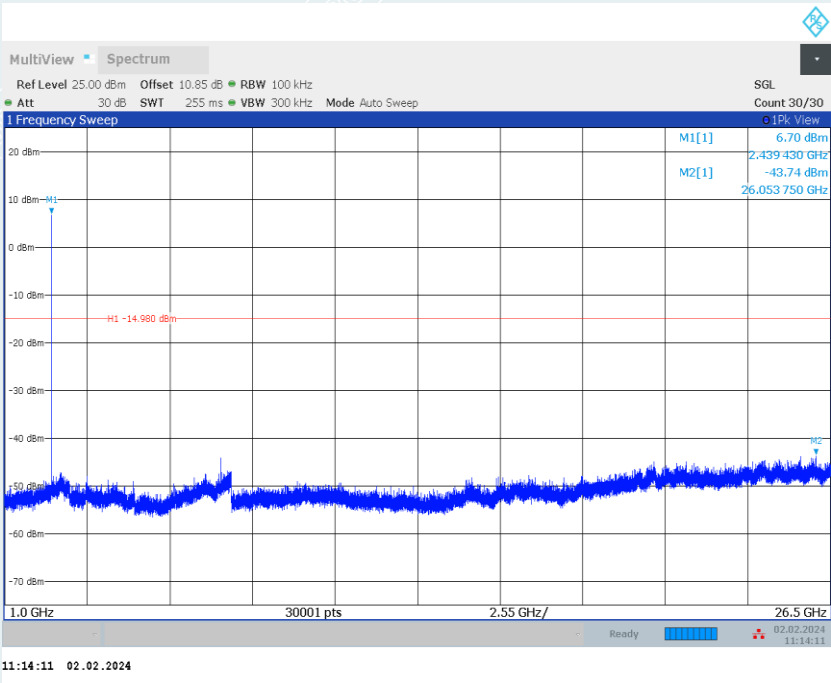




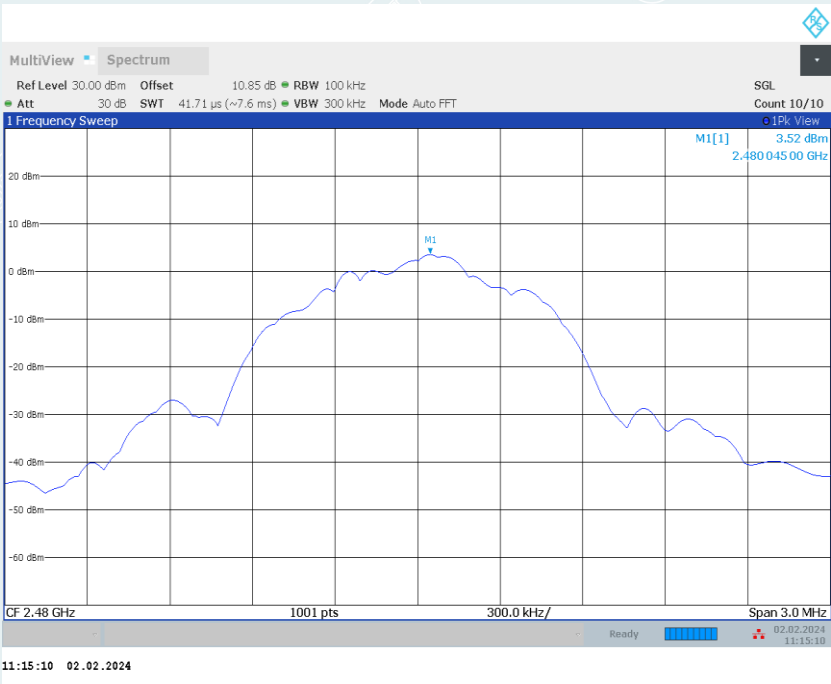
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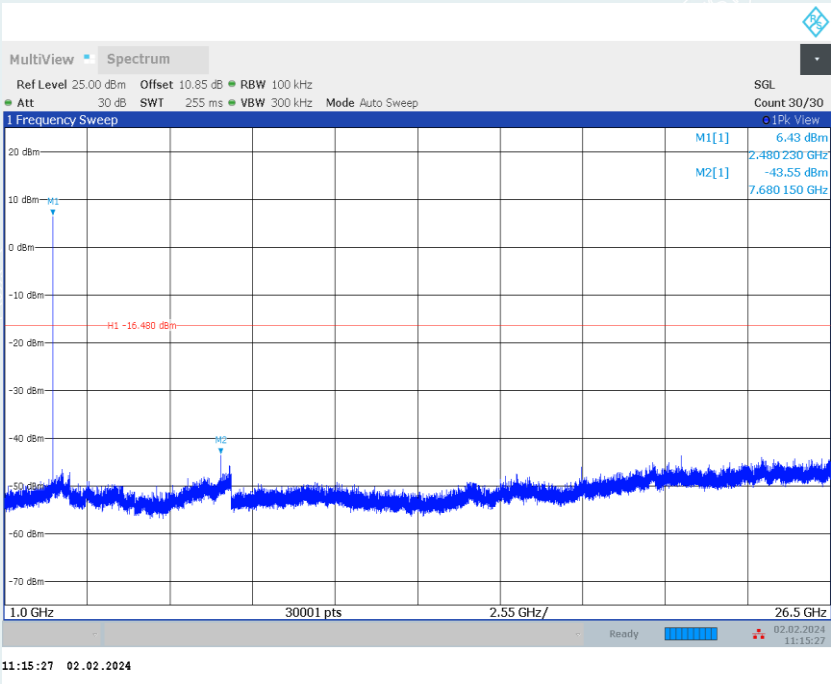
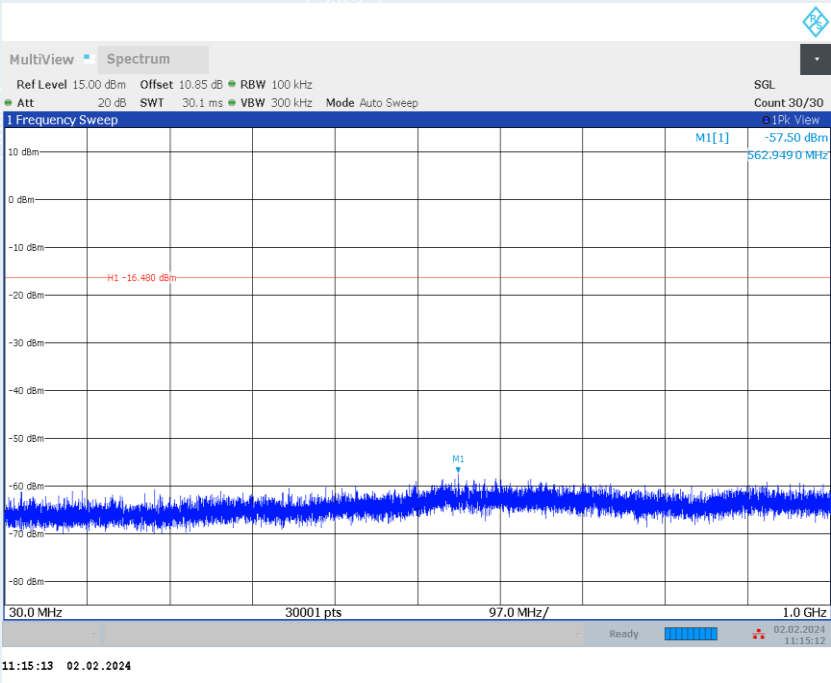
Middle Frequency (2440MHz)





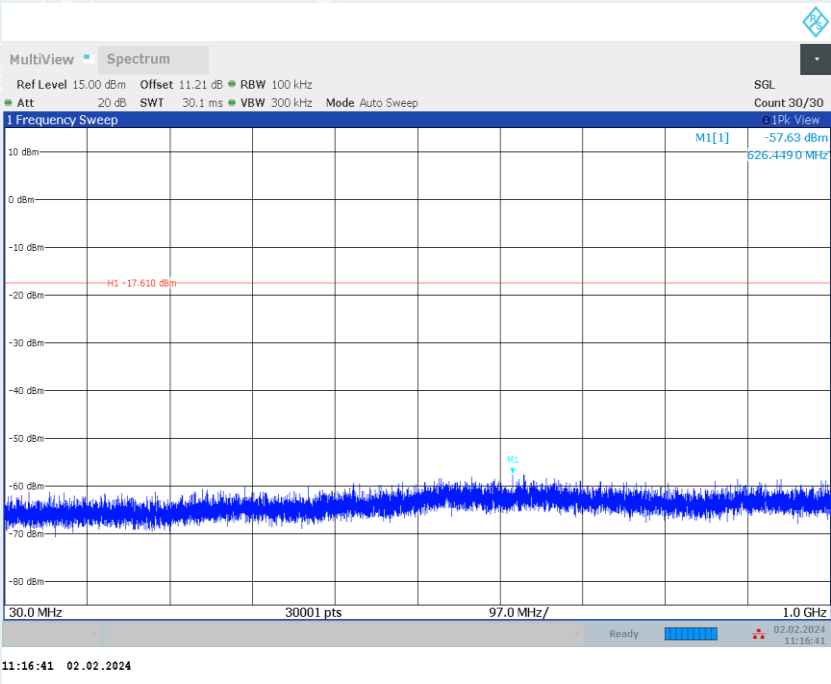
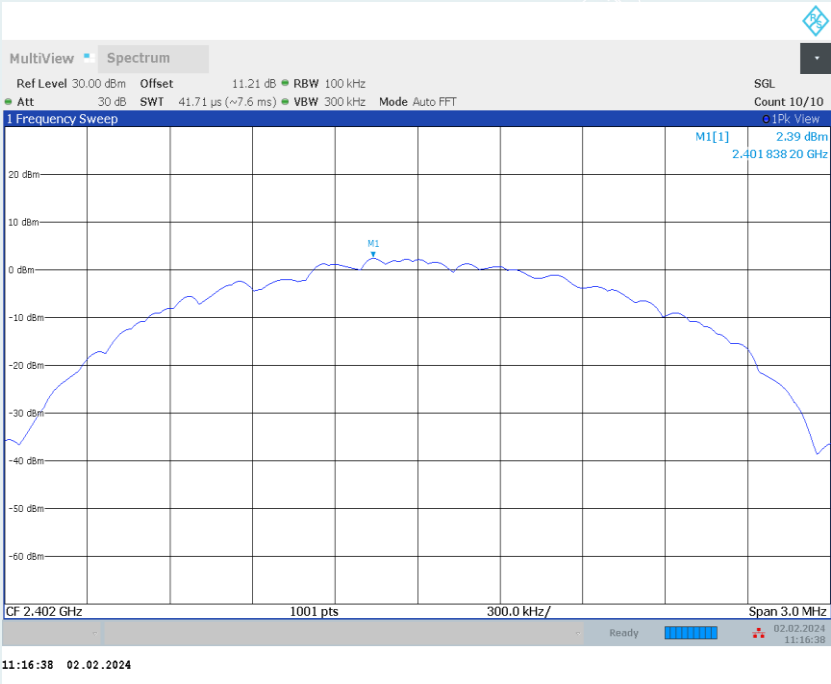
Highest Frequency (2480MHz)

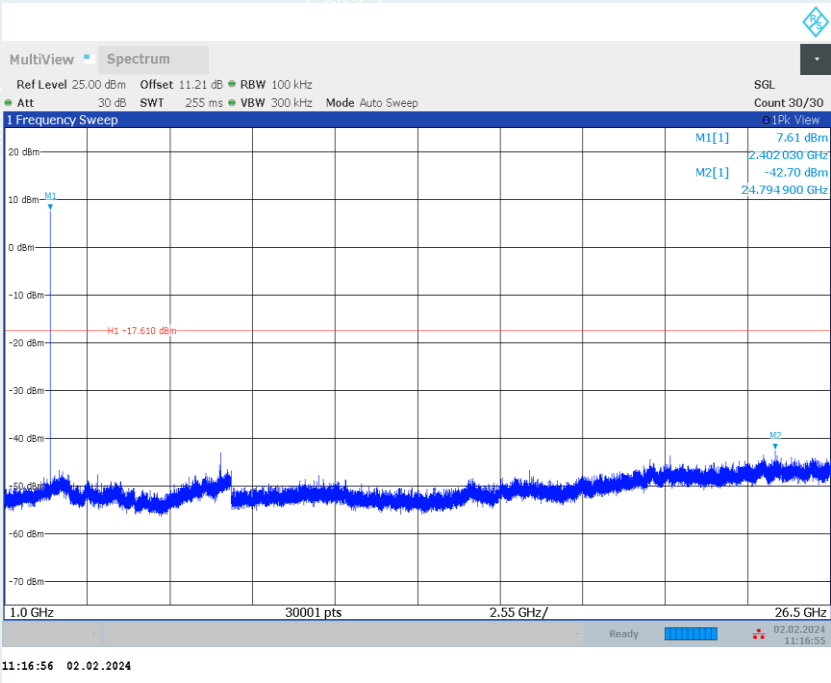




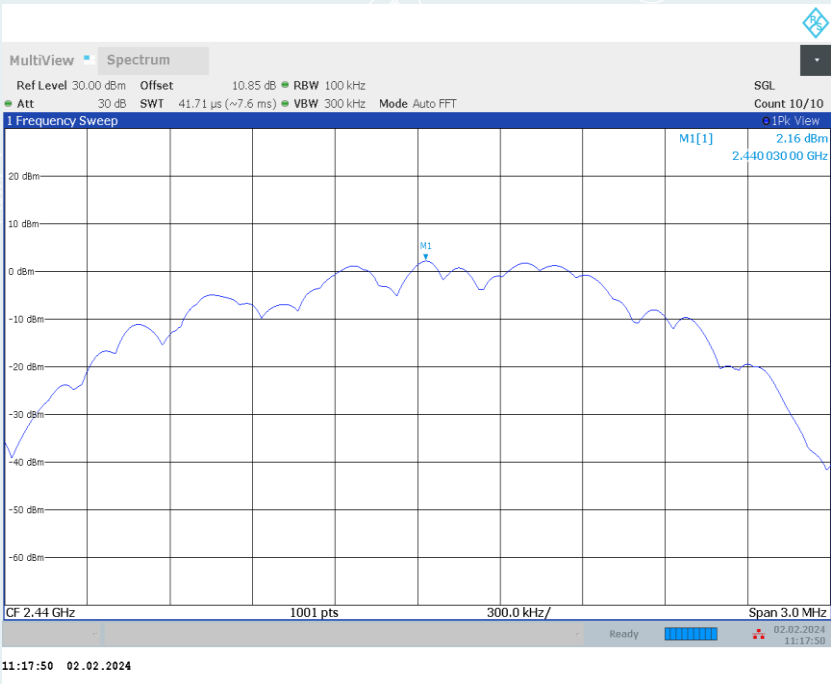
BLE\_2M

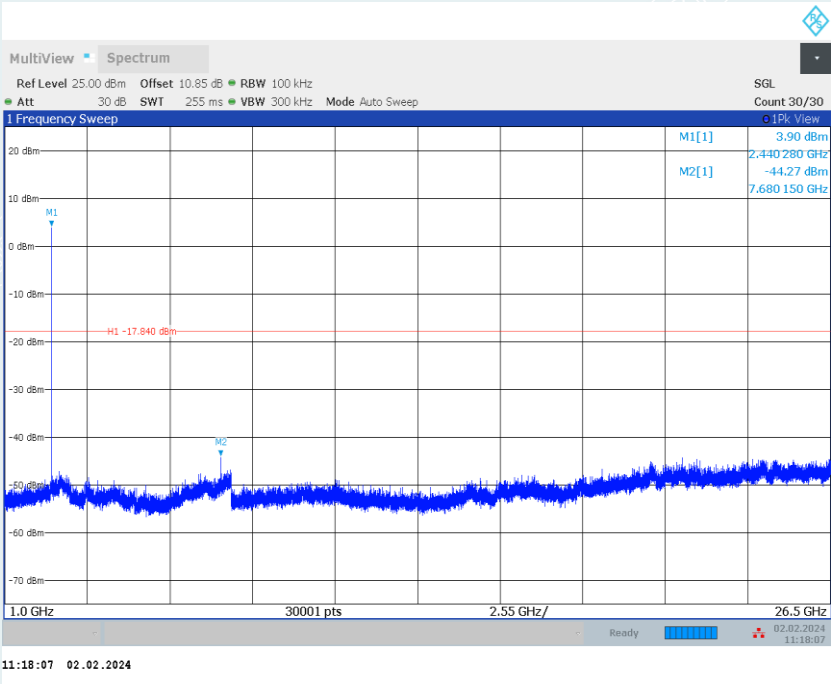
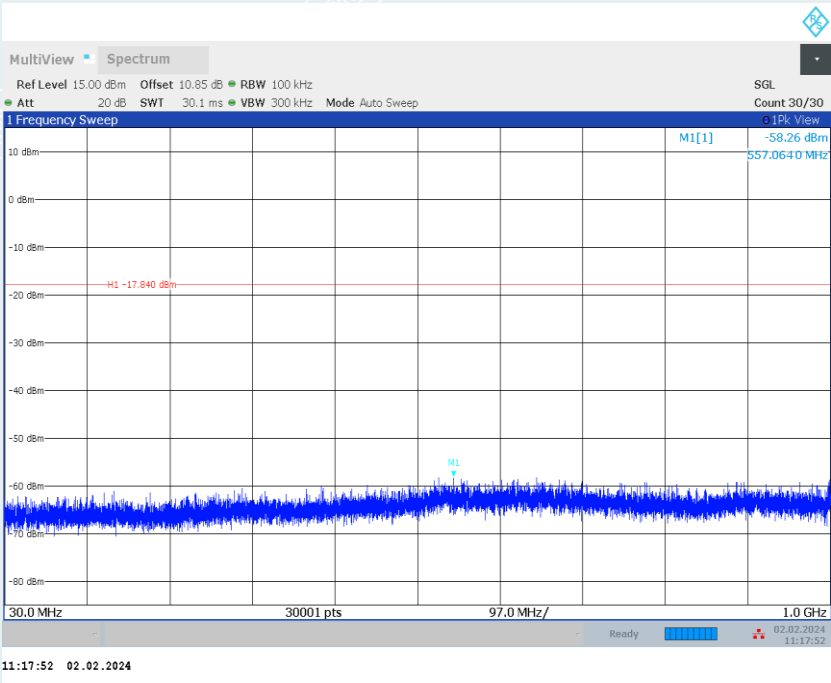
Lowest Frequency (2402MHz)



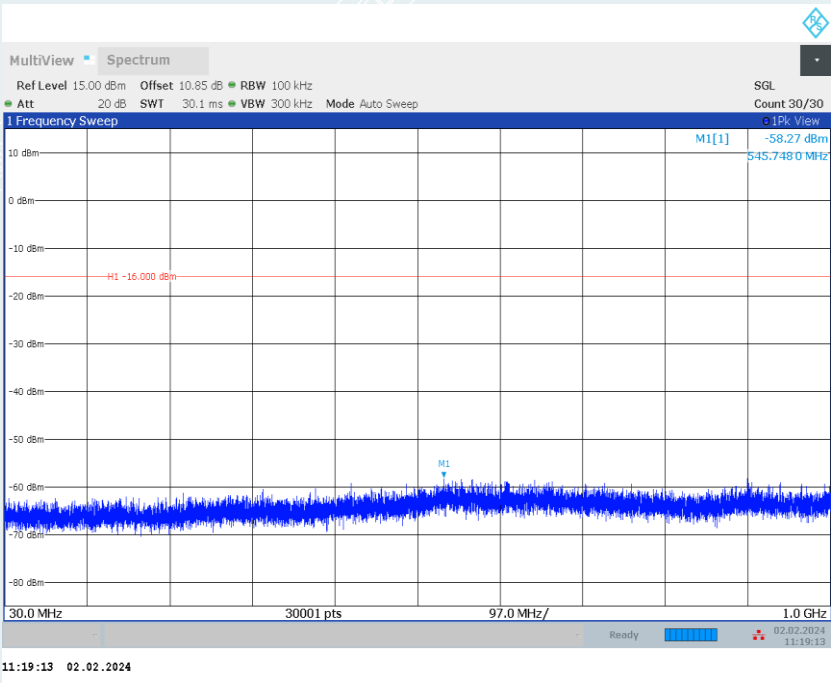
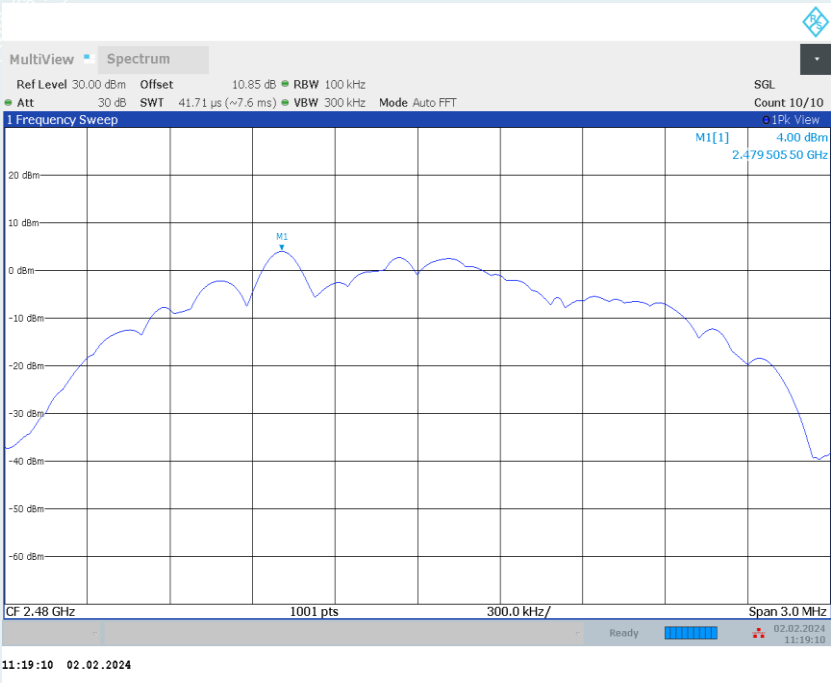


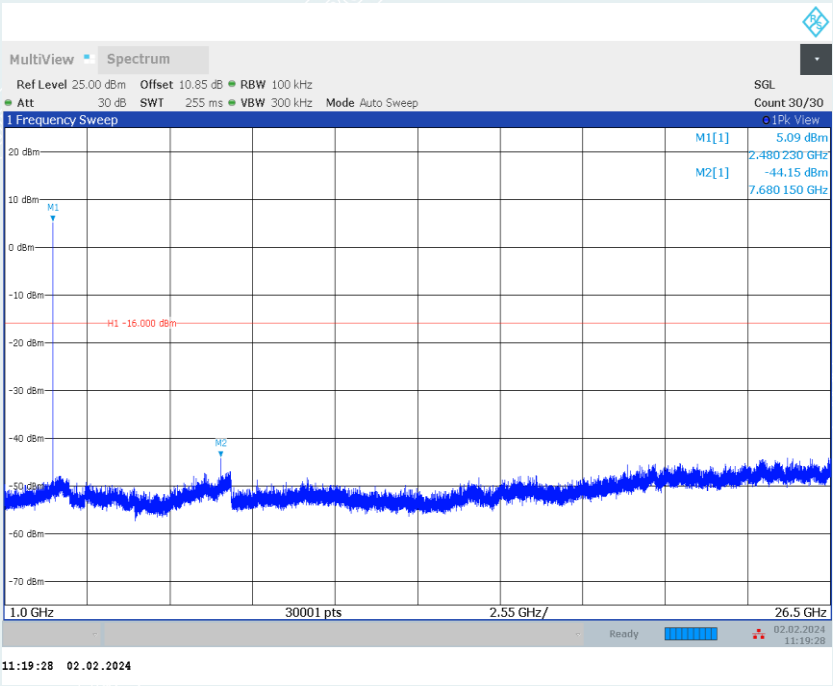
Middle Frequency (2440MHz)





Highest Frequency (2480MHz)





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## 12. RESTRICTED BANDS OF OPERATION

### 12.1 LIMITS

Section 15.247(d) In addition, Radiated emissions 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) (see §15.205(c)).

| MHz                        | MHz                   | MHz             | GHz           |
|----------------------------|-----------------------|-----------------|---------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410     | 4.5 - 5.15    |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525   | 608 - 614       | 5.35 - 5.46   |
| 2.1735 - 2.1905            | 16.80425 - 16.80475   | 960 - 1240      | 7.25 - 7.75   |
| 4.125 - 4.128              | 25.5 - 25.67          | 1300 - 1427     | 8.025 - 8.5   |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5   | 9.0 - 9.2     |
| 4.20725 - 4.20775          | 73 - 74.6             | 1645.5 - 1646.5 | 9.3 - 9.5     |
| 6.215 - 6.218              | 74.8 - 75.2           | 1660 - 1710     | 10.6 - 12.7   |
| 6.26775 - 6.26825          | 108 - 121.94          | 1718.8 - 1722.2 | 13.25 - 13.4  |
| 6.31175 - 6.31225          | 123 - 138             | 2200 - 2300     | 14.47 - 14.5  |
| 8.291 - 8.294              | 149.9 - 150.05        | 2310 - 2390     | 15.35 - 16.2  |
| 8.362 - 8.366              | 156.52475 - 156.52525 | 2483.5 - 2500   | 17.7 - 21.4   |
| 8.37625 - 8.38675          | 156.7 - 156.9         | 2655 - 2900     | 22.01 - 23.12 |
| 8.41425 - 8.41475          | 162.0125 - 167.17     | 3260 - 3267     | 23.6 - 24.0   |
| 12.29 - 12.293             | 167.72 - 173.2        | 3332 - 3339     | 31.2 - 31.8   |
| 12.51975 - 12.52025        | 240 - 285             | 3345.8 - 3358   | 36.43 - 36.5  |
| 12.57675 - 12.57725        | 322 - 335.4           | 3600 - 4400     |               |
| 13.36 - 13.41              |                       |                 |               |

| Frequency (MHz) | Quasi-peak( $\mu\text{V}/\text{m}$ ) | Measurement distance(m) | Quasi-peak(dB $\mu\text{V}/\text{m}$ )@distance 3m |
|-----------------|--------------------------------------|-------------------------|----------------------------------------------------|
| 0.009-0.490     | 2400/F(kHz)                          | 300                     | 128.5~93.8                                         |
| 0.490-1.705     | 24000/F(kHz)                         | 30                      | 73.8~63                                            |
| 1.705-30.0      | 30                                   | 30                      | 69.5                                               |
| 30 ~ 88         | 100                                  | 3                       | 40                                                 |
| 88~216          | 150                                  | 3                       | 43.5                                               |
| 216 ~ 960       | 200                                  | 3                       | 46                                                 |
| Above 960       | 500                                  | 3                       | 54                                                 |

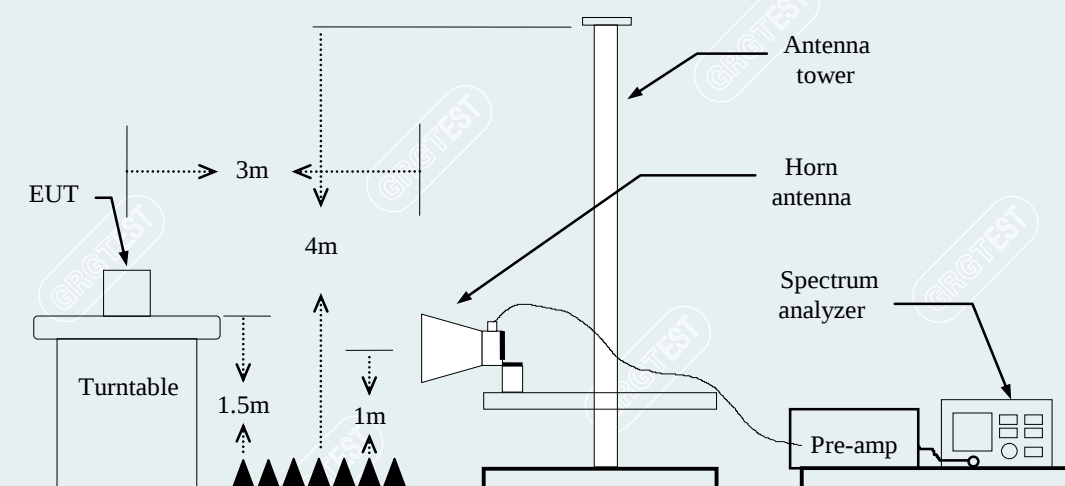
## 12.2 TEST PROCEDURES

Test procedures follow KDB 558074 D01 15.247 Meas Guidance v05r02.

- a) The EUT is placed on a turntable, which is 1.5m above the ground plane.
- b) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- c) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- d) Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
  - a) PEAK: RBW=1MHz / VBW=1MHz / Sweep=AUTO.
  - b) AVERAGE: RBW=1MHz / VBW=1/T / Sweep=AUTO.

If the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set  $VBW \leq RBW/100$  (i.e., 10kHz) but not less than 10 Hz. If the EUT duty cycle is  $< 98\%$ , set  $VBW \geq 1/T$ , Where T is defined in section 2.8.
- e) Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

## 12.3 TEST SETUP



12.4 TEST RESULTS

Pre-scan all modes, the worst power supply is 4 LR3 AAA 1.5V Batteries. In the three power supply modes(4 LR3 AAA 1.5V Batteries, DC 24V power by Adapter and AC 24V power by AC power converter), only the worst power supply mode is recorded in this report.

|               |              |                          |                      |
|---------------|--------------|--------------------------|----------------------|
| Equipment:    | Aqara Keypad | Test Date                | 2024-02-23           |
| Model No.:    | KP-X01D      | Test Engineer:           | Zhang Zishan         |
| Test Voltage: | DC 6V        | Environmental Conditions | 23.2℃/47%RH/101.0kPa |

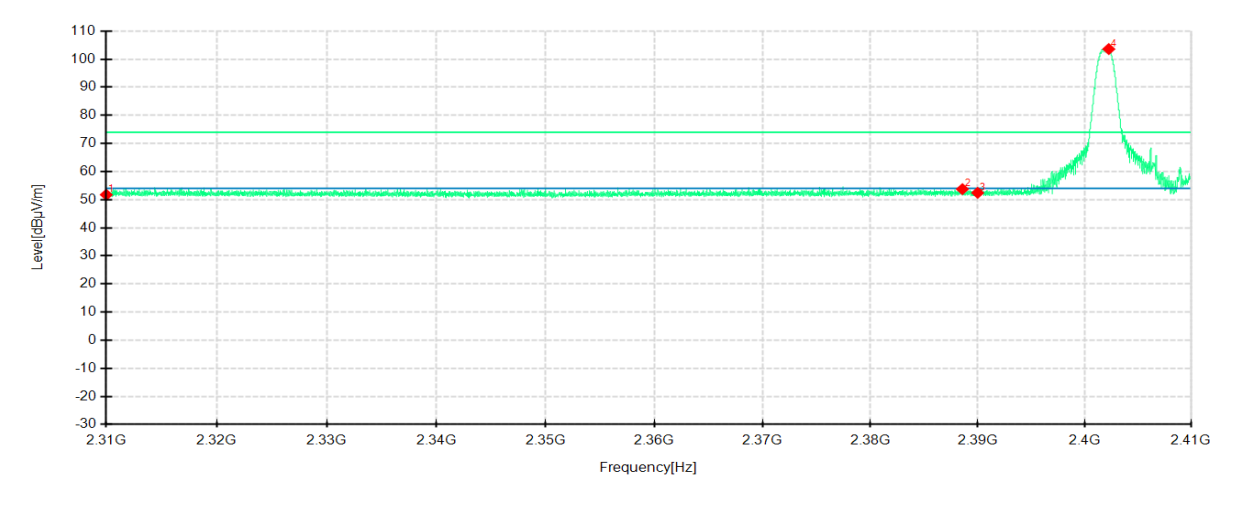
BLE 1M

Lowest Frequency

Frequency 2402MHz

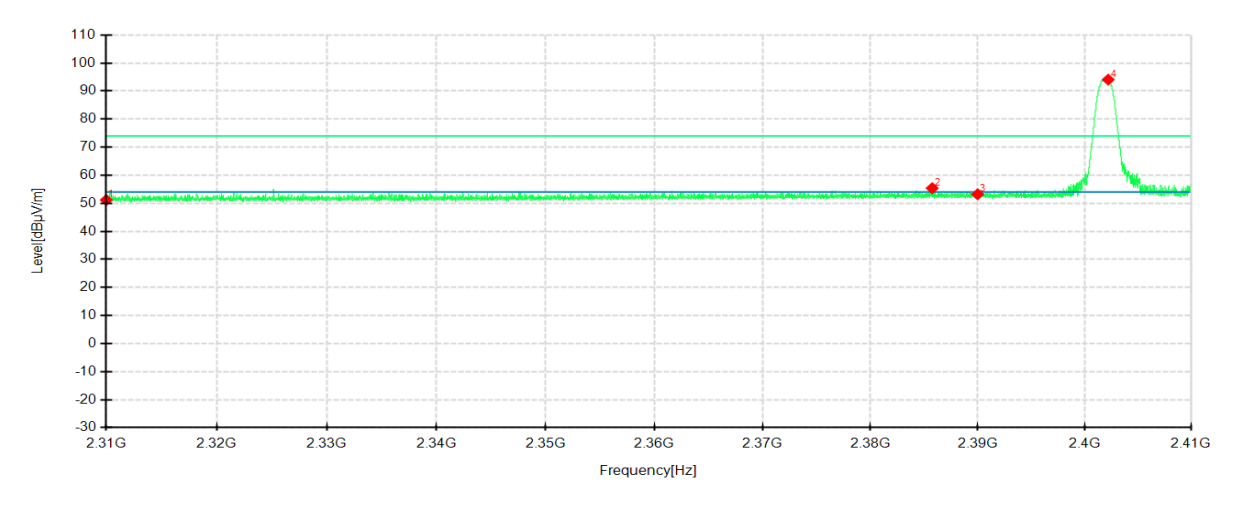
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBuV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Remark   |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2310.0000        | 56.71             | 51.75           | -4.96        | 74.00           | 22.25        | 100          | 64         | Horizontal | /        |
| 2   | 2388.5750        | 59.57             | 53.75           | -5.82        | 74.00           | 20.25        | 100          | 92         | Horizontal | /        |
| 3   | 2390.0000        | 58.26             | 52.43           | -5.83        | 74.00           | 21.57        | 200          | 175        | Horizontal | /        |
| 4   | 2402.2750        | 109.45            | 103.59          | -5.86        | 74.00           | -29.59       | 100          | 234        | Horizontal | No limit |
| 1   | 2310.0000        | 56.82             | 51.16           | -5.66        | 74.00           | 22.84        | 100          | 137        | Vertical   | /        |
| 2   | 2385.7625        | 60.81             | 55.38           | -5.43        | 74.00           | 18.62        | 100          | 174        | Vertical   | /        |
| 3   | 2390.0000        | 58.61             | 53.20           | -5.41        | 74.00           | 20.80        | 100          | 266        | Vertical   | /        |
| 4   | 2402.2250        | 99.45             | 94.09           | -5.36        | 74.00           | -20.09       | 100          | 174        | Vertical   | No limit |

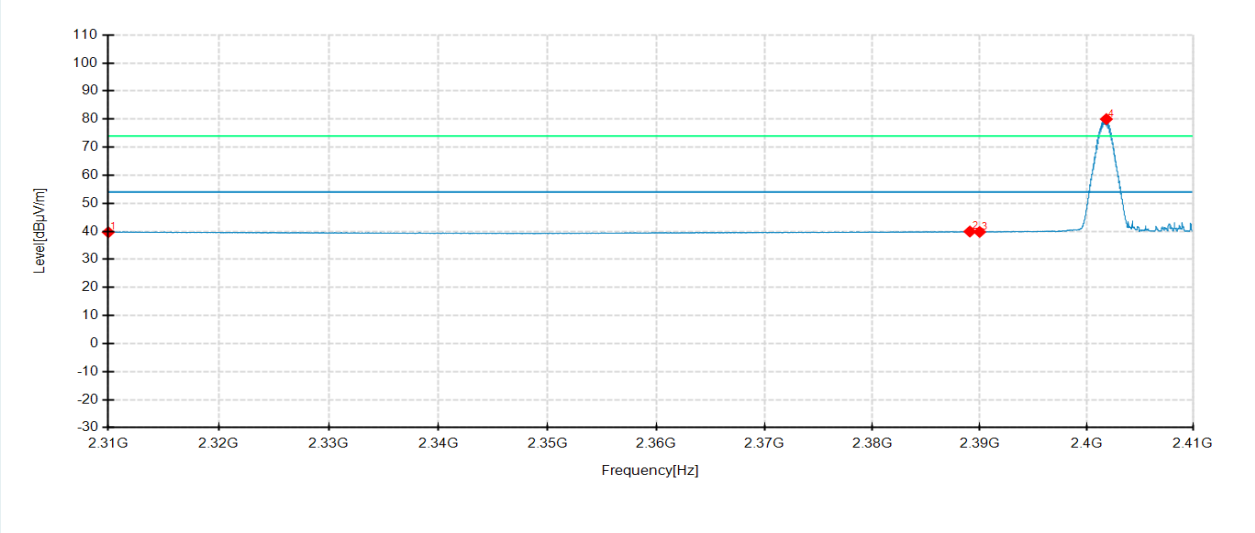
----- The following blanks -----

Lowest Frequency

Frequency 2402MHz

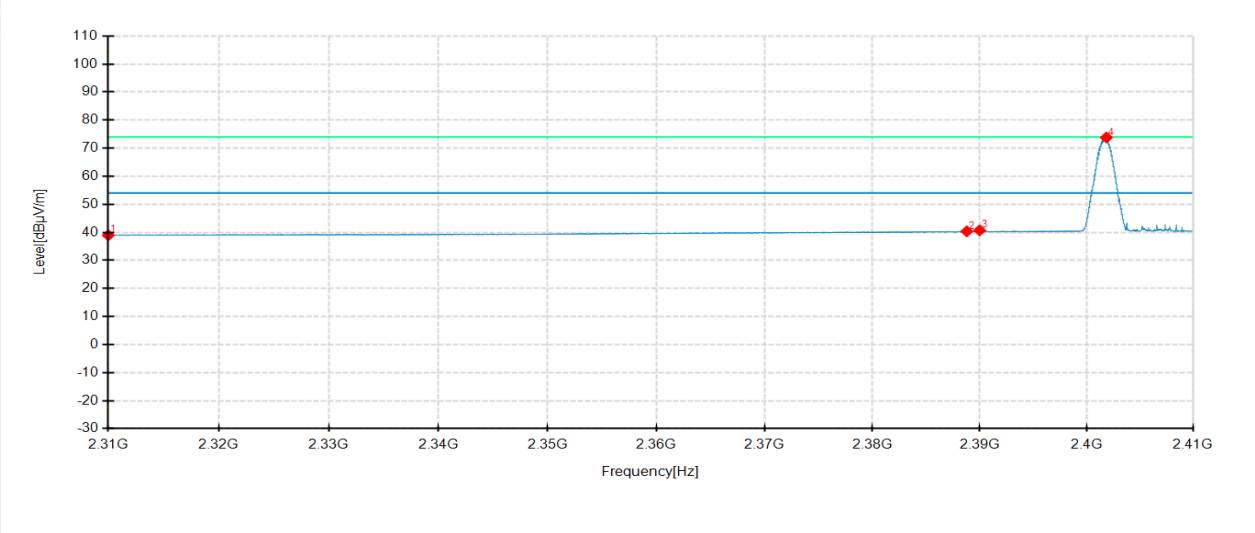
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

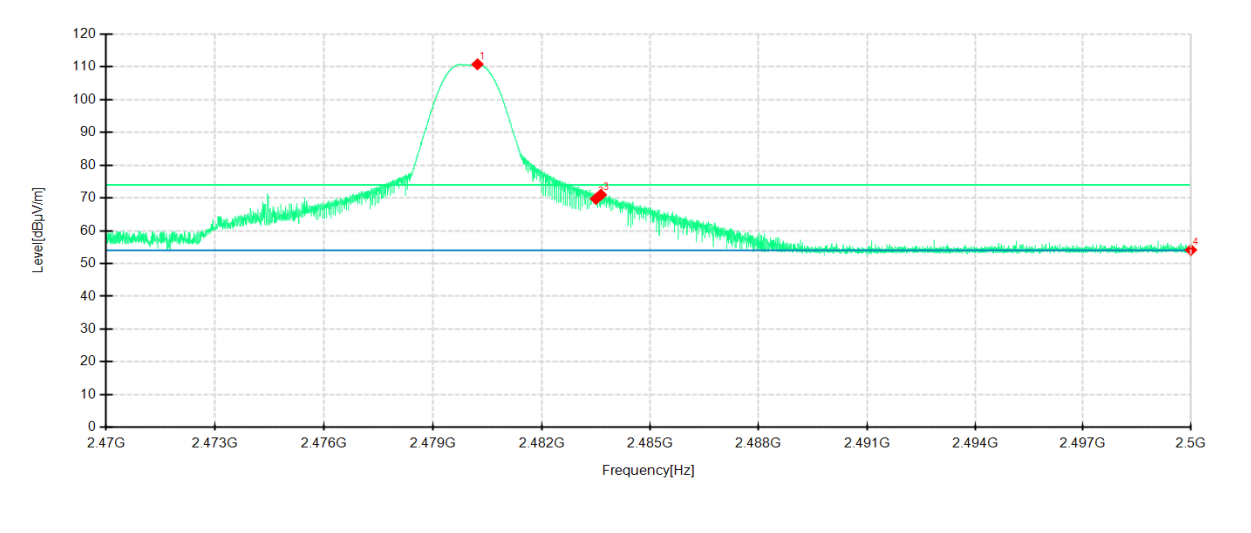
Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Remark   |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2310.0000     | 44.62          | 39.66        | -4.96     | 54.00        | 14.34     | 100       | 184     | Horizontal | /        |
| 2   | 2389.0875     | 45.77          | 39.94        | -5.83     | 54.00        | 14.06     | 100       | 235     | Horizontal | /        |
| 3   | 2390.0000     | 45.62          | 39.79        | -5.83     | 54.00        | 14.21     | 200       | 241     | Horizontal | /        |
| 4   | 2401.8625     | 85.87          | 80.01        | -5.86     | 54.00        | -26.01    | 100       | 222     | Horizontal | No limit |
| 1   | 2310.0000     | 44.60          | 38.94        | -5.66     | 54.00        | 15.06     | 100       | 21      | Vertical   | /        |
| 2   | 2388.8000     | 45.76          | 40.35        | -5.41     | 54.00        | 13.65     | 100       | 281     | Vertical   | /        |
| 3   | 2390.0000     | 46.12          | 40.71        | -5.41     | 54.00        | 13.29     | 100       | 202     | Vertical   | /        |
| 4   | 2401.8625     | 79.16          | 73.80        | -5.36     | 54.00        | -19.80    | 100       | 179     | Vertical   | No limit |

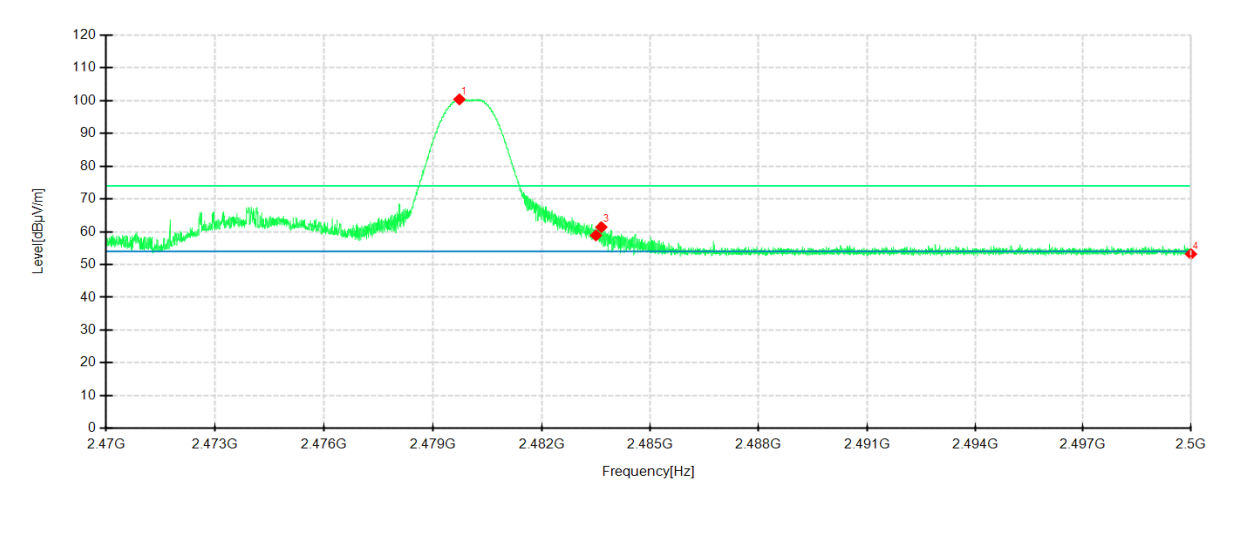
Highest Frequency  
Frequency 2480MHz  
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



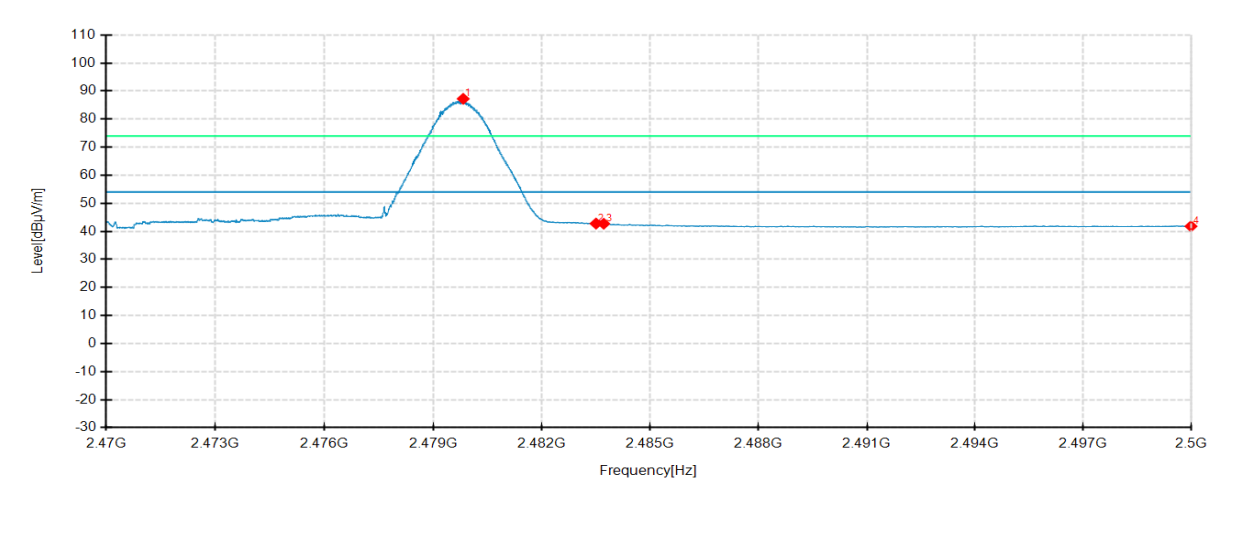
| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBuV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Remark   |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2480.2263        | 115.94            | 110.77          | -5.17        | 74.00           | -36.77       | 200          | 249        | Horizontal | No limit |
| 2   | 2483.5000        | 74.85             | 69.75           | -5.10        | 74.00           | 4.25         | 100          | 254        | Horizontal | /        |
| 3   | 2483.6350        | 76.06             | 70.97           | -5.09        | 74.00           | 3.03         | 200          | 249        | Horizontal | /        |
| 4   | 2500.0000        | 58.95             | 54.16           | -4.79        | 74.00           | 19.84        | 200          | 223        | Horizontal | /        |
| 1   | 2479.7275        | 105.42            | 100.37          | -5.05        | 74.00           | -26.37       | 200          | 332        | Vertical   | No limit |
| 2   | 2483.5000        | 63.92             | 58.89           | -5.03        | 74.00           | 15.11        | 100          | 144        | Vertical   | /        |
| 3   | 2483.6500        | 66.45             | 61.42           | -5.03        | 74.00           | 12.58        | 200          | 345        | Vertical   | /        |
| 4   | 2500.0000        | 58.18             | 53.19           | -4.99        | 74.00           | 20.81        | 200          | 97         | Vertical   | /        |

Highest Frequency

Frequency 2480MHz

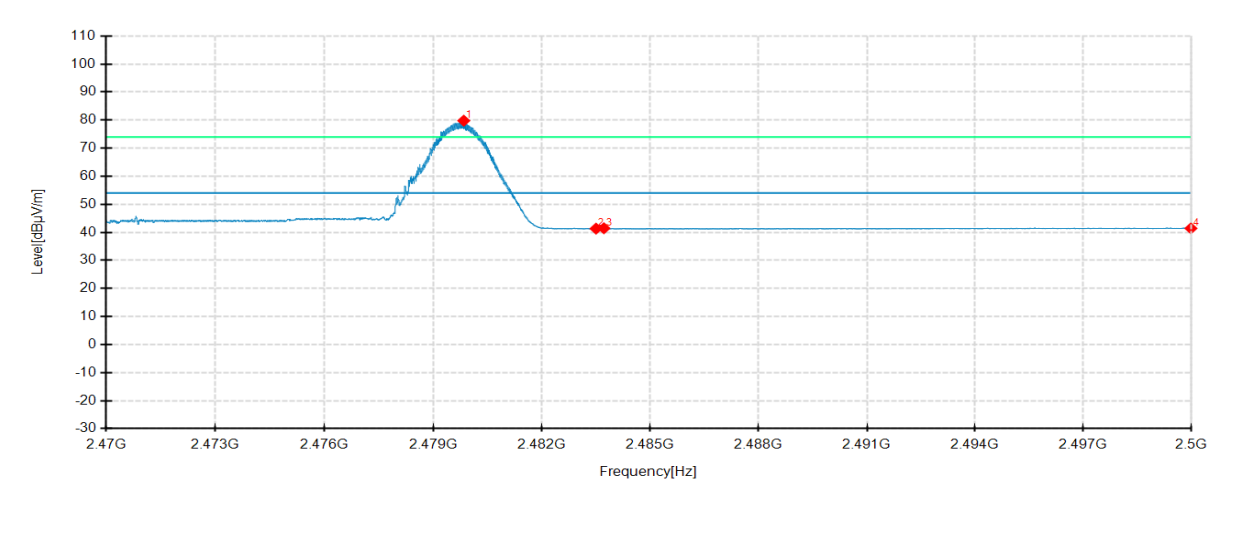
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



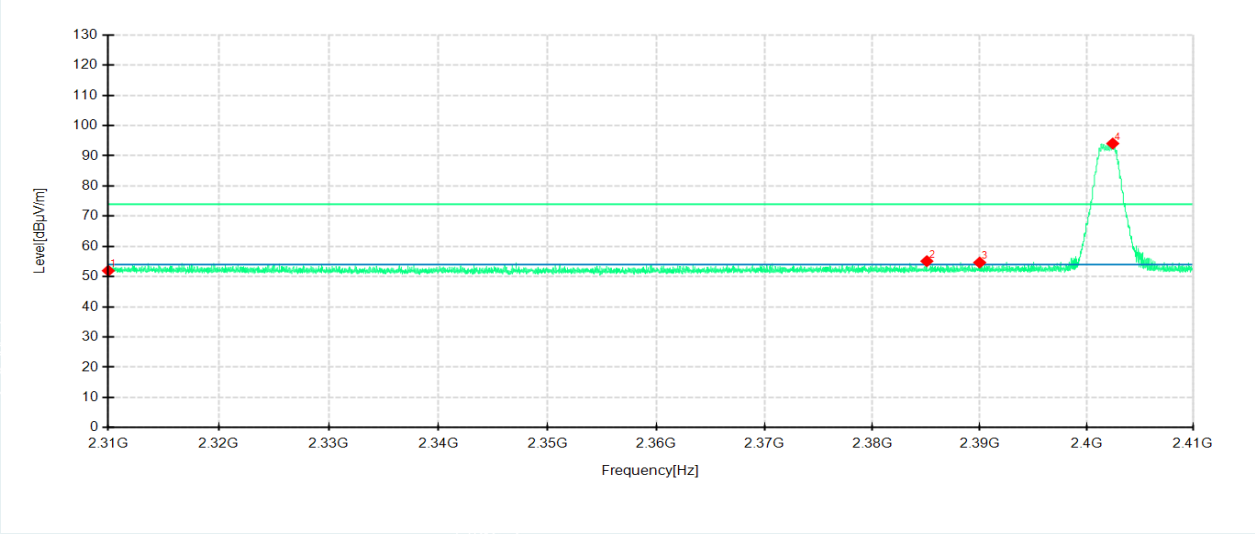
| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Remark   |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2479.8325     | 92.41          | 87.24        | -5.17     | 54.00        | -33.24    | 200       | 262     | Horizontal | No limit |
| 2   | 2483.5000     | 47.86          | 42.76        | -5.10     | 54.00        | 11.24     | 200       | 249     | Horizontal | /        |
| 3   | 2483.7138     | 47.79          | 42.70        | -5.09     | 54.00        | 11.30     | 200       | 249     | Horizontal | /        |
| 4   | 2500.0000     | 46.59          | 41.80        | -4.79     | 54.00        | 12.20     | 100       | 85      | Horizontal | /        |
| 1   | 2479.8475     | 84.85          | 79.80        | -5.05     | 54.00        | -25.80    | 200       | 345     | Vertical   | No limit |
| 2   | 2483.5000     | 46.35          | 41.32        | -5.03     | 54.00        | 12.68     | 100       | 211     | Vertical   | /        |
| 3   | 2483.7175     | 46.48          | 41.45        | -5.03     | 54.00        | 12.55     | 200       | 345     | Vertical   | /        |
| 4   | 2500.0000     | 46.40          | 41.41        | -4.99     | 54.00        | 12.59     | 200       | 163     | Vertical   | /        |

Remark: Max field strength in 3m distance. No any other emission which falls in restricted bands can be detected and be reported.

|               |              |                          |                      |
|---------------|--------------|--------------------------|----------------------|
| Equipment:    | Aqara Keypad | Test Date                | 2024-02-23           |
| Model No.:    | KP-X01D      | Test Engineer:           | Zhang Zishan         |
| Test Voltage: | DC 6V        | Environmental Conditions | 23.2℃/47%RH/101.0kPa |

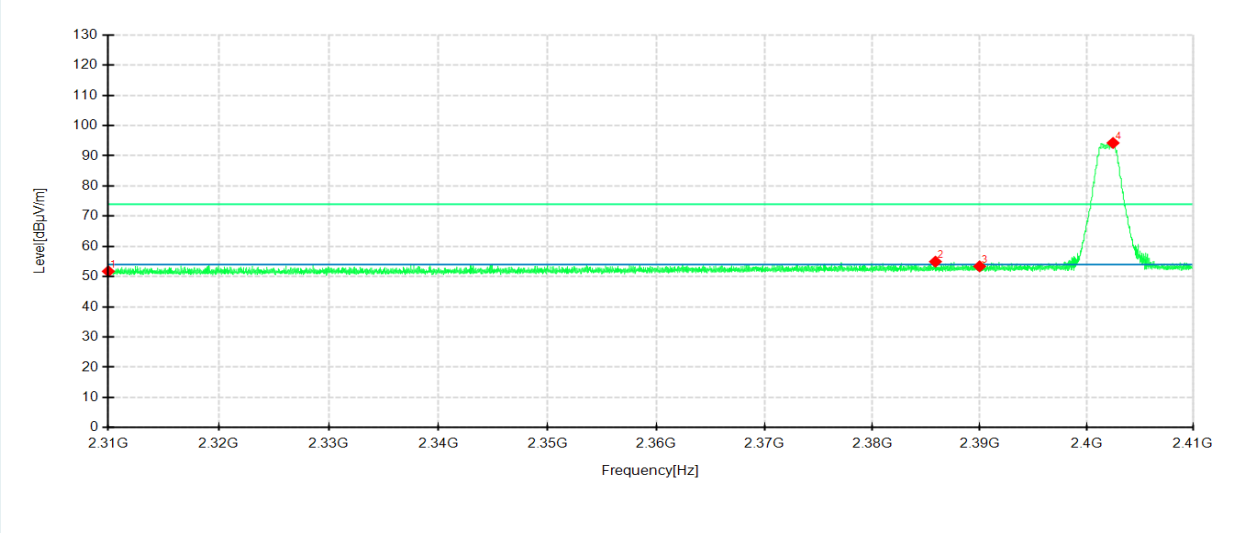
BLE 2M  
Lowest Frequency  
Frequency 2402MHz  
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBuV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Remark   |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2310.0000        | 56.92             | 51.96           | -4.96        | 74.00           | 22.04        | 100          | 201        | Horizontal | /        |
| 2   | 2385.0750        | 60.93             | 55.12           | -5.81        | 74.00           | 18.88        | 200          | 338        | Horizontal | /        |
| 3   | 2390.0000        | 60.50             | 54.67           | -5.83        | 74.00           | 19.33        | 200          | 262        | Horizontal | /        |
| 4   | 2402.4625        | 99.93             | 94.07           | -5.86        | 74.00           | -20.07       | 100          | 175        | Horizontal | No limit |
| 1   | 2310.0000        | 57.42             | 51.76           | -5.66        | 74.00           | 22.24        | 100          | 106        | Vertical   | /        |
| 2   | 2385.8750        | 60.39             | 54.96           | -5.43        | 74.00           | 19.04        | 200          | 58         | Vertical   | /        |
| 3   | 2390.0000        | 58.82             | 53.41           | -5.41        | 74.00           | 20.59        | 100          | 340        | Vertical   | /        |
| 4   | 2402.4875        | 99.62             | 94.26           | -5.36        | 74.00           | -20.26       | 100          | 171        | Vertical   | No limit |

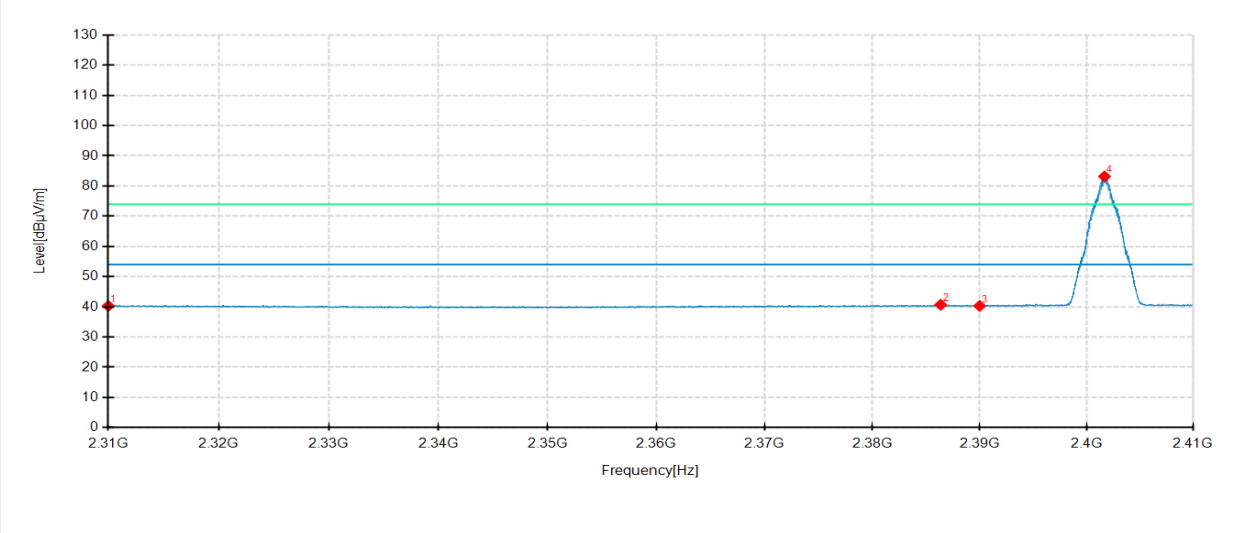
----- The following blanks -----

Lowest Frequency

Frequency 2402MHz

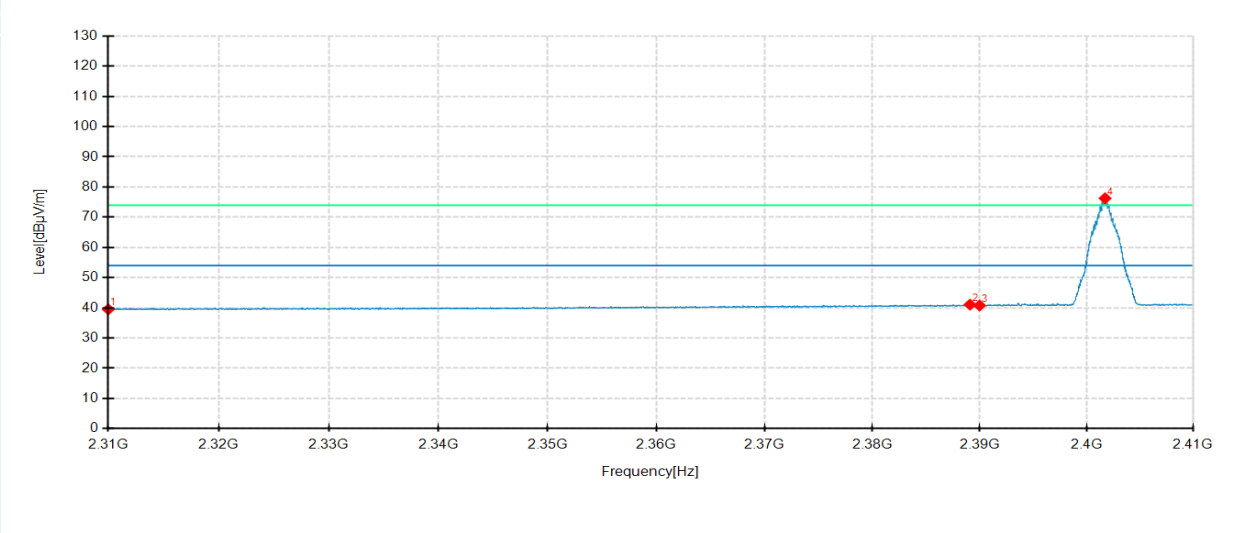
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

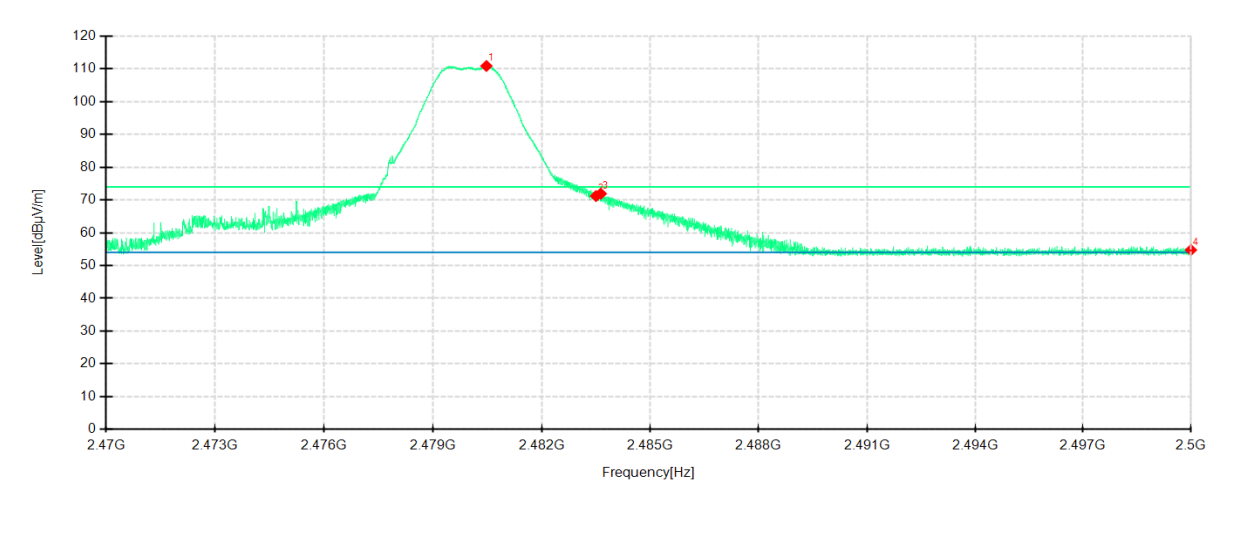
Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBuV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Remark   |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2310.0000        | 45.26             | 40.30           | -4.96        | 54.00           | 13.70        | 200          | 288        | Horizontal | /        |
| 2   | 2386.3625        | 46.52             | 40.70           | -5.82        | 54.00           | 13.30        | 200          | 133        | Horizontal | /        |
| 3   | 2390.0000        | 46.13             | 40.30           | -5.83        | 54.00           | 13.70        | 200          | 55         | Horizontal | /        |
| 4   | 2401.6875        | 89.04             | 83.17           | -5.87        | 54.00           | -29.17       | 100          | 242        | Horizontal | No limit |
| 1   | 2310.0000        | 45.17             | 39.51           | -5.66        | 54.00           | 14.49        | 100          | 340        | Vertical   | /        |
| 2   | 2389.1000        | 46.47             | 41.06           | -5.41        | 54.00           | 12.94        | 100          | 2          | Vertical   | /        |
| 3   | 2390.0000        | 46.19             | 40.78           | -5.41        | 54.00           | 13.22        | 100          | 14         | Vertical   | /        |
| 4   | 2401.7375        | 81.63             | 76.26           | -5.37        | 54.00           | -22.26       | 200          | 319        | Vertical   | No limit |

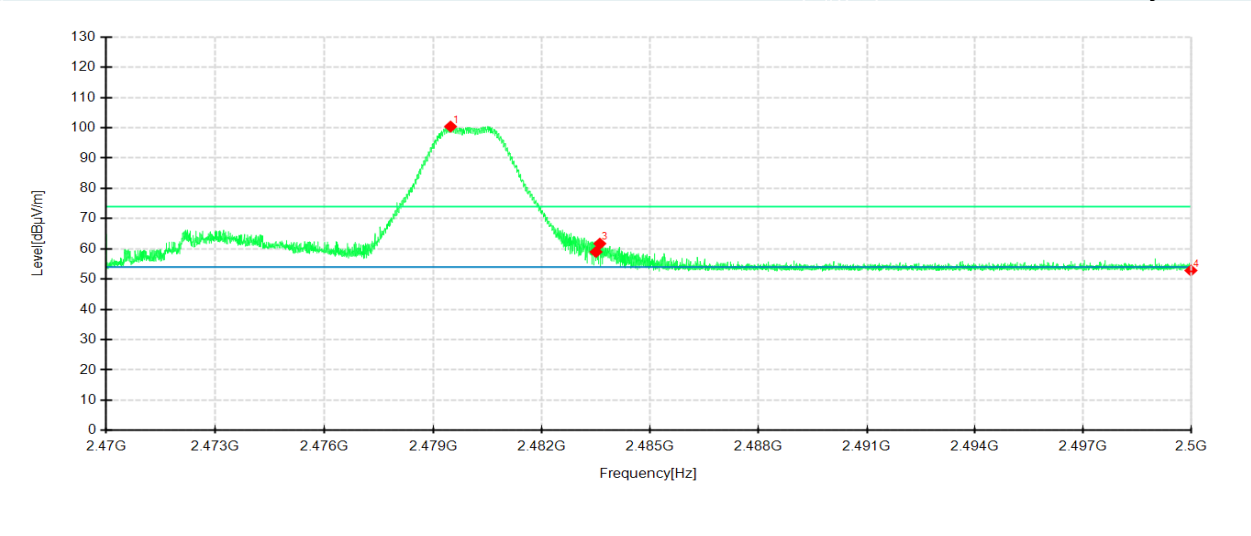
Highest Frequency  
Frequency 2480MHz  
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



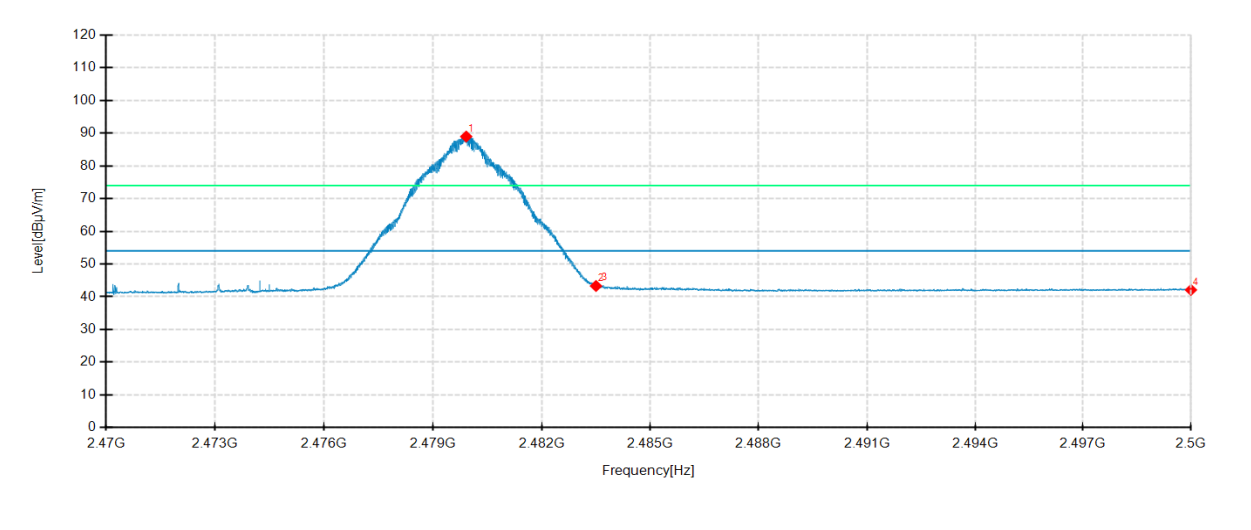
| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBuV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Remark   |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2480.4738        | 116.03            | 110.87          | -5.16        | 74.00           | -36.87       | 200          | 248        | Horizontal | No limit |
| 2   | 2483.5000        | 76.30             | 71.20           | -5.10        | 74.00           | 2.80         | 100          | 215        | Horizontal | /        |
| 3   | 2483.6313        | 77.01             | 71.92           | -5.09        | 74.00           | 2.08         | 200          | 248        | Horizontal | /        |
| 4   | 2500.0000        | 59.53             | 54.74           | -4.79        | 74.00           | 19.26        | 100          | 100        | Horizontal | /        |
| 1   | 2479.4838        | 105.48            | 100.43          | -5.05        | 74.00           | -26.43       | 200          | 330        | Vertical   | No limit |
| 2   | 2483.5000        | 64.02             | 58.99           | -5.03        | 74.00           | 15.01        | 100          | 145        | Vertical   | /        |
| 3   | 2483.6050        | 66.77             | 61.74           | -5.03        | 74.00           | 12.26        | 100          | 170        | Vertical   | /        |
| 4   | 2500.0000        | 57.84             | 52.85           | -4.99        | 74.00           | 21.15        | 200          | 344        | Vertical   | /        |

Highest Frequency

Frequency 2480MHz

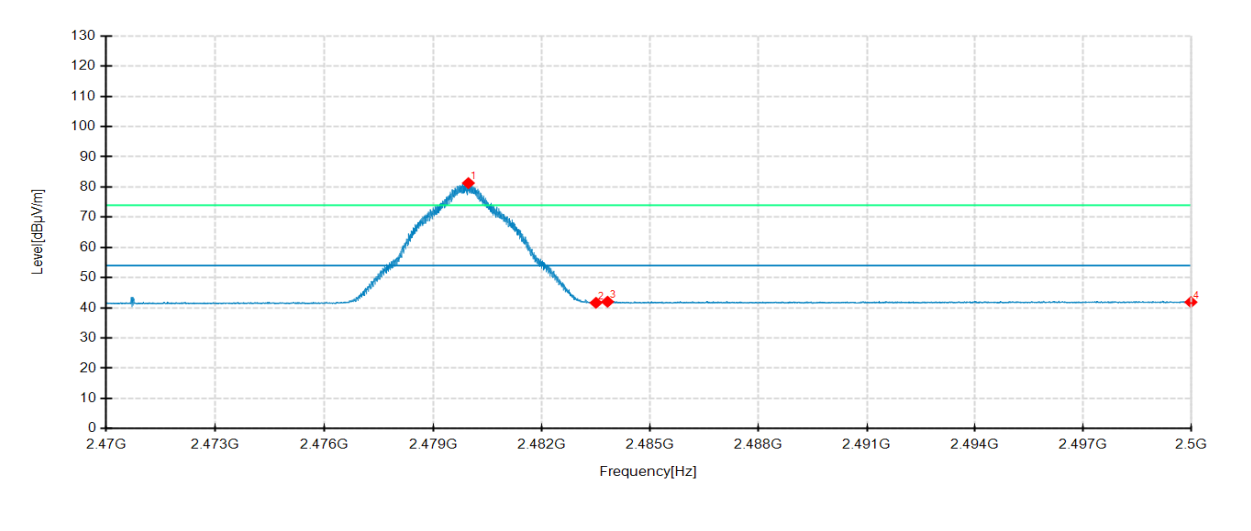
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Remark   |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2479.9150     | 94.13          | 88.96        | -5.17     | 54.00        | -34.96    | 200       | 250     | Horizontal | No limit |
| 2   | 2483.5000     | 48.40          | 43.30        | -5.10     | 54.00        | 10.70     | 200       | 250     | Horizontal | /        |
| 3   | 2483.5900     | 48.57          | 43.47        | -5.10     | 54.00        | 10.53     | 200       | 250     | Horizontal | /        |
| 4   | 2500.0000     | 46.88          | 42.09        | -4.79     | 54.00        | 11.91     | 200       | 224     | Horizontal | /        |
| 1   | 2479.9750     | 86.35          | 81.30        | -5.05     | 54.00        | -27.30    | 200       | 320     | Vertical   | No limit |
| 2   | 2483.5000     | 46.69          | 41.66        | -5.03     | 54.00        | 12.34     | 100       | 144     | Vertical   | /        |
| 3   | 2483.8188     | 47.06          | 42.03        | -5.03     | 54.00        | 11.97     | 200       | 320     | Vertical   | /        |
| 4   | 2500.0000     | 46.87          | 41.88        | -4.99     | 54.00        | 12.12     | 100       | 78      | Vertical   | /        |

Remark: Max field strength in 3m distance. No any other emission which falls in restricted bands can be detected and be reported.

#### **APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM**

Please refer to the attached document E20240129370001-26 FCC ISED-Test Photo.

#### **APPENDIX B. PHOTOGRAPH OF THE EUT**

Please refer to the attached document E20240129370001-27 EUT photo.

----- End of Report -----