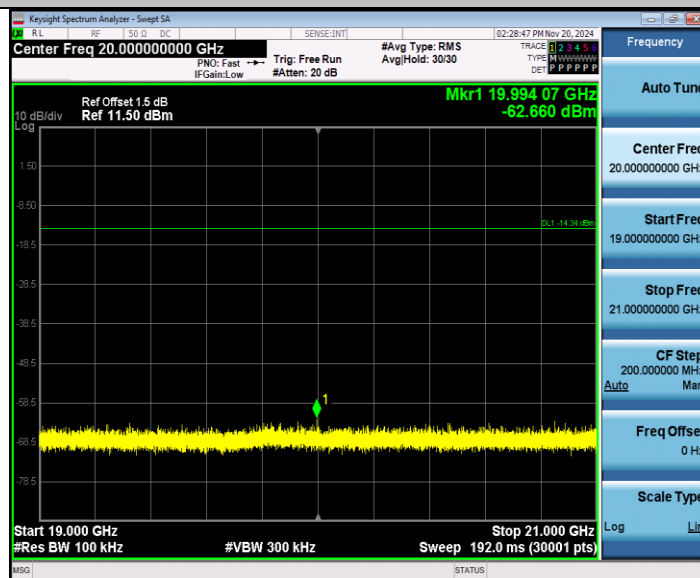
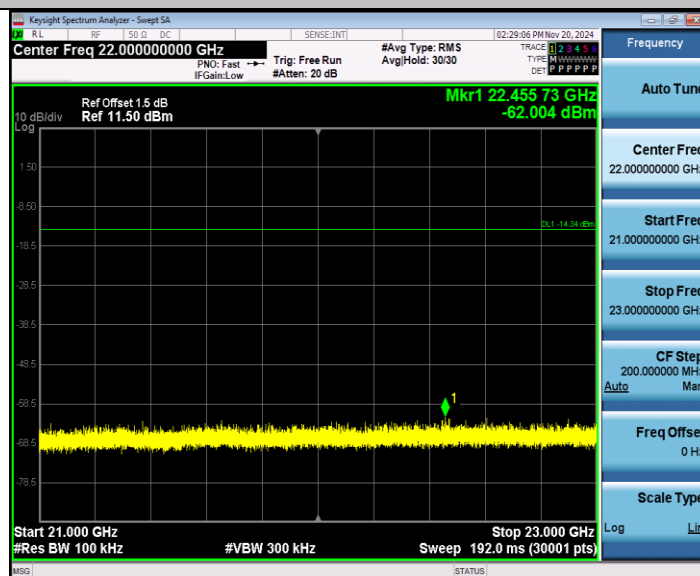




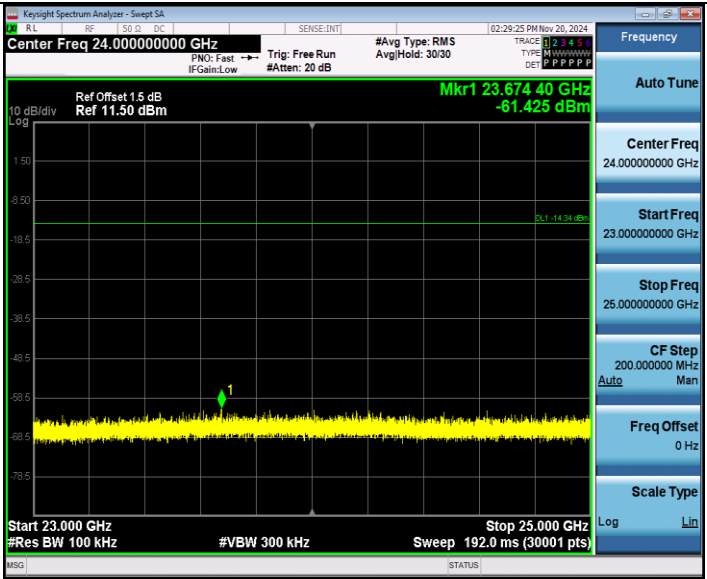
BLE\_1M\_Ant1\_2480\_19000~21000



BLE\_1M\_Ant1\_2480\_21000~23000



BLE\_1M\_Ant1\_2480\_23000~25000

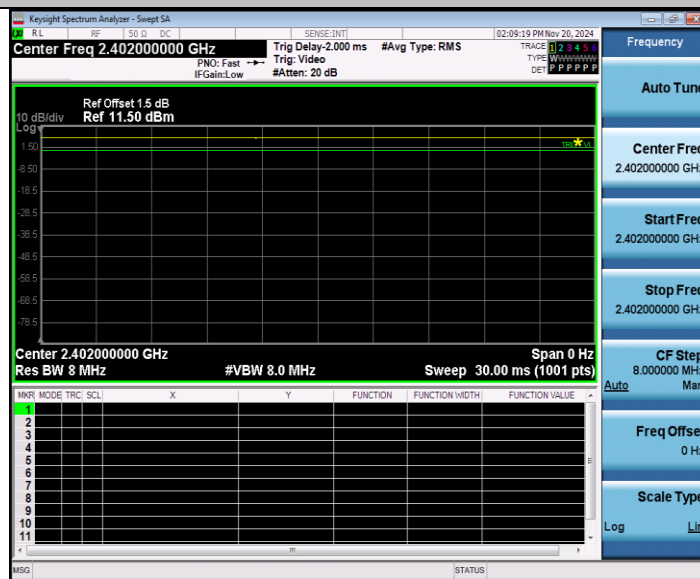


## Appendix F: Duty Cycle

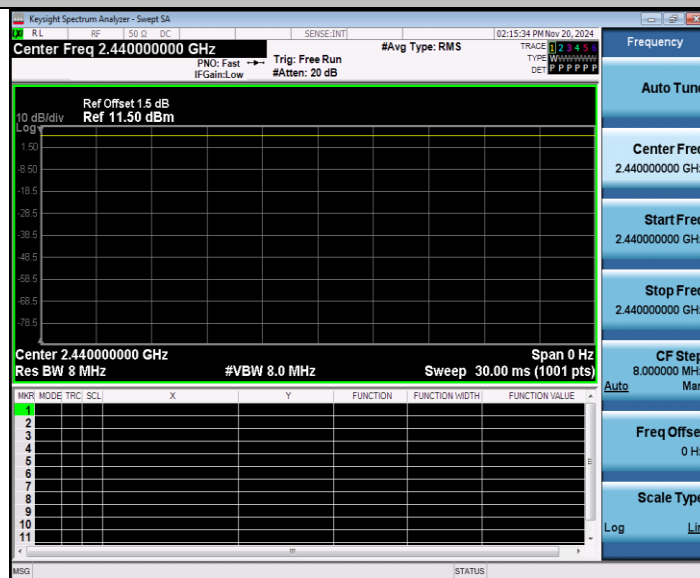
| TestMode | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|----------|----------------|--------------|-------------|----------------|-----------------------|
| BLE_1M   | 2402           | 30.00        | 30.00       | 100.00         | 0.00                  |
|          | 2440           | 10.00        | 10.00       | 100.00         | 0.00                  |
|          | 2480           | 0.00         | 0.00        | 100.00         | 0.00                  |

## Test Graphs

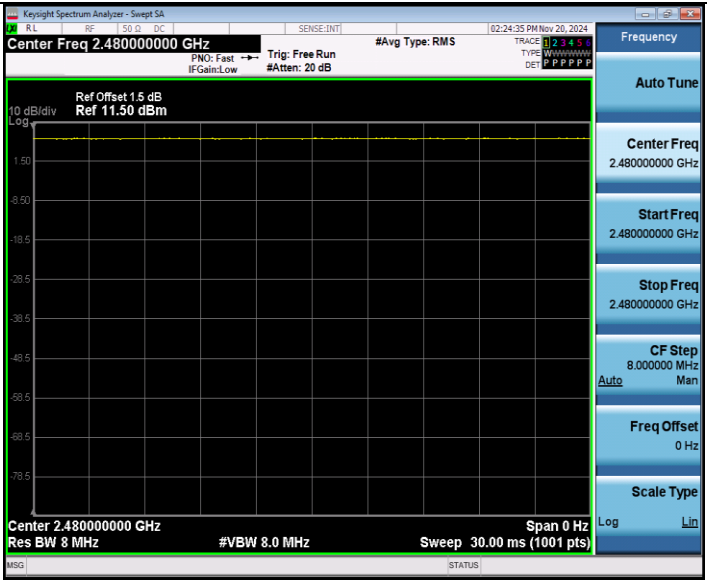
BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440

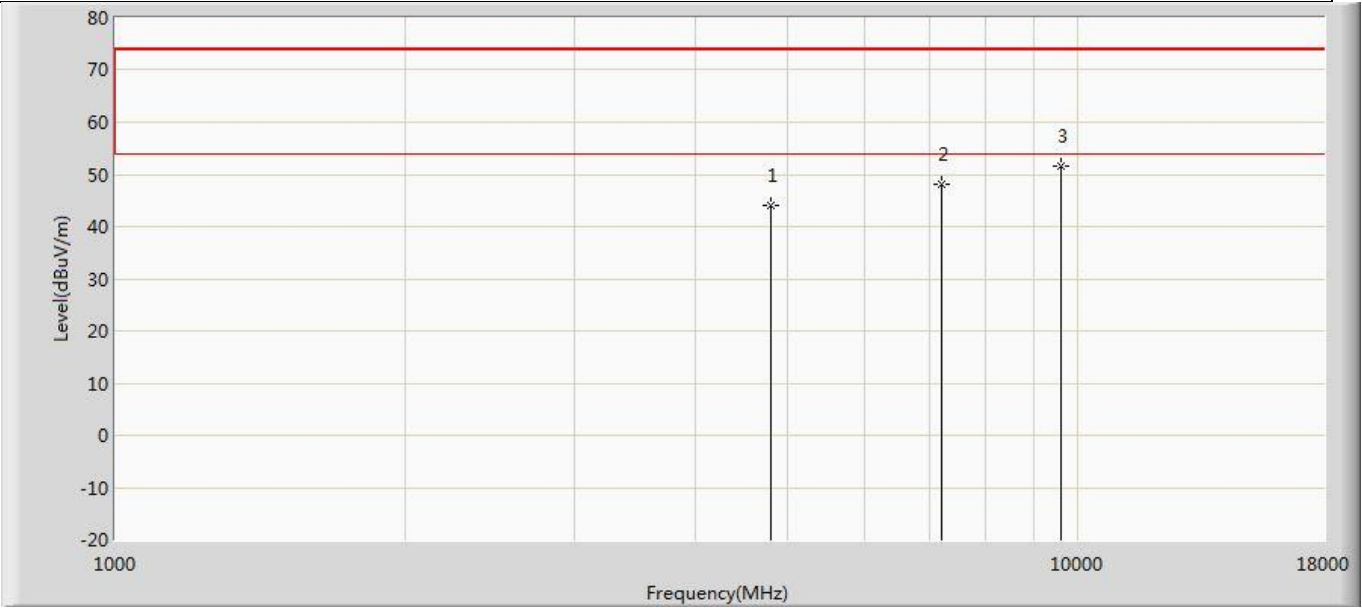


BLE\_1M\_Ant1\_2480



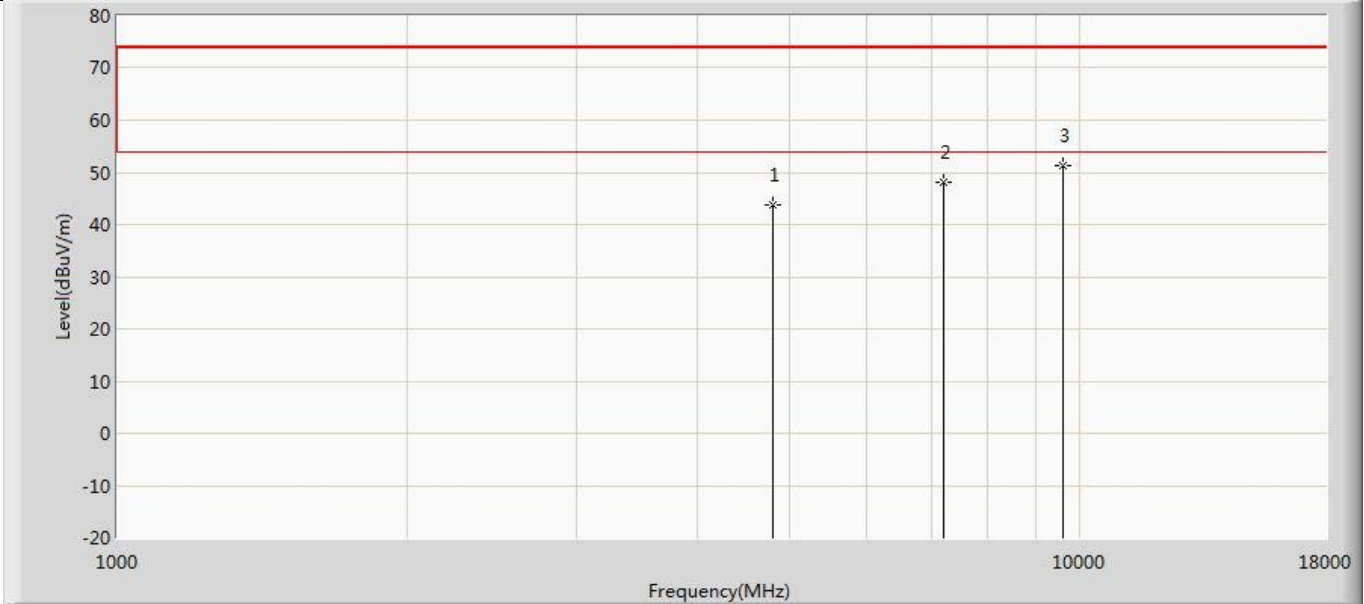
Appendix G: Emissions in Restricted Bands

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 24B0486R                              | Page No.: 7              |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/12/01 - 19:13 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055_(1-18GHz)            | Polarity: Horizontal     |
| EUT: Wi-Fi and Bluetooth Module                | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 43.978                 | 56.033               | -30.022         | 74.000         | -12.055     | PK   |
| 2  |      | 7206.000        | 48.251                 | 54.811               | -25.749         | 74.000         | -6.560      | PK   |
| 3  | *    | 9608.000        | 51.462                 | 54.630               | -22.538         | 74.000         | -3.167      | PK   |

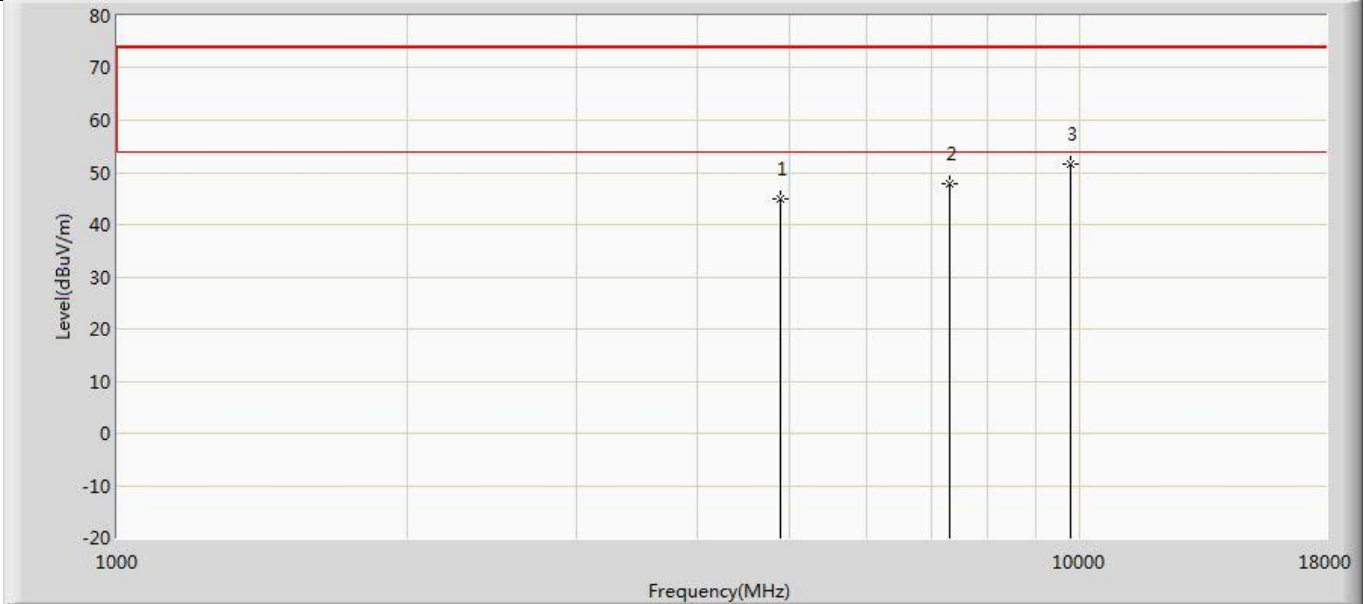
|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 24B0486R                              | Page No.: 8              |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/12/01 - 19:13 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055_(1-18GHz)            | Polarity: Vertical       |
| EUT: Wi-Fi and Bluetooth Module                | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 43.726                 | 55.781               | -30.274         | 74.000         | -12.055     | PK   |
| 2  |      | 7206.000        | 48.108                 | 54.668               | -25.892         | 74.000         | -6.560      | PK   |
| 3  | *    | 9608.000        | 51.426                 | 54.594               | -22.574         | 74.000         | -3.167      | PK   |

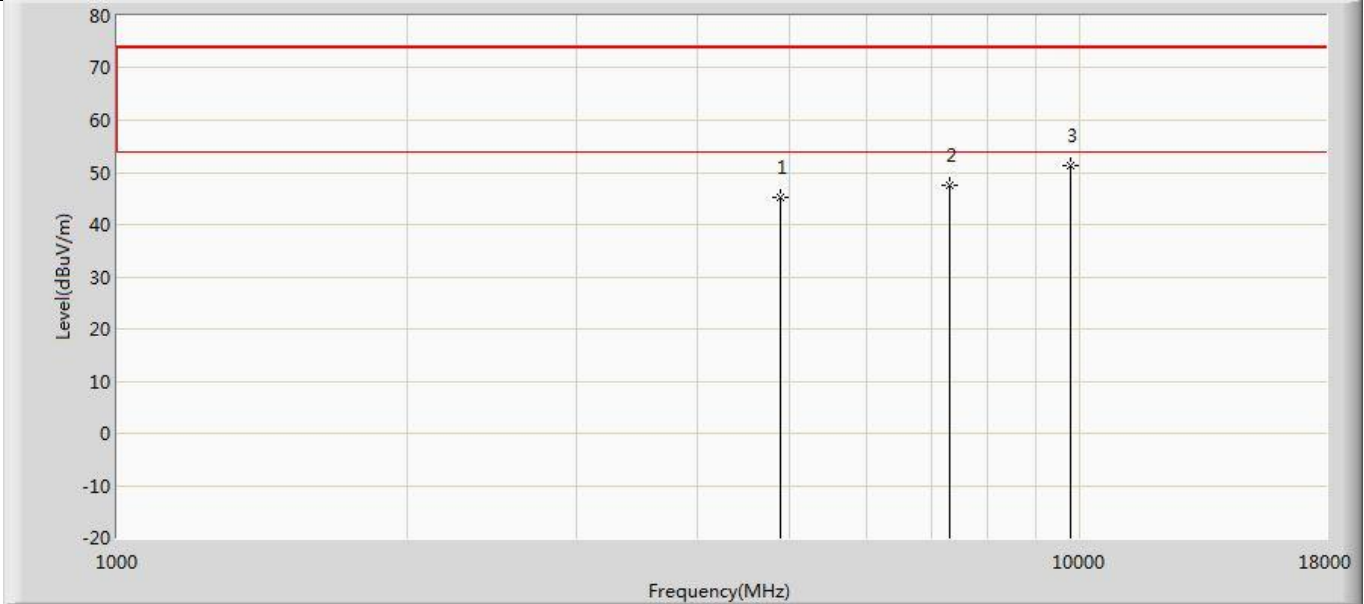


|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 24B0486R                              | Page No.: 9              |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/12/01 - 19:13 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055_(1-18GHz)            | Polarity: Horizontal     |
| EUT: Wi-Fi and Bluetooth Module                | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2440MHz by LE_1Mbps |                          |



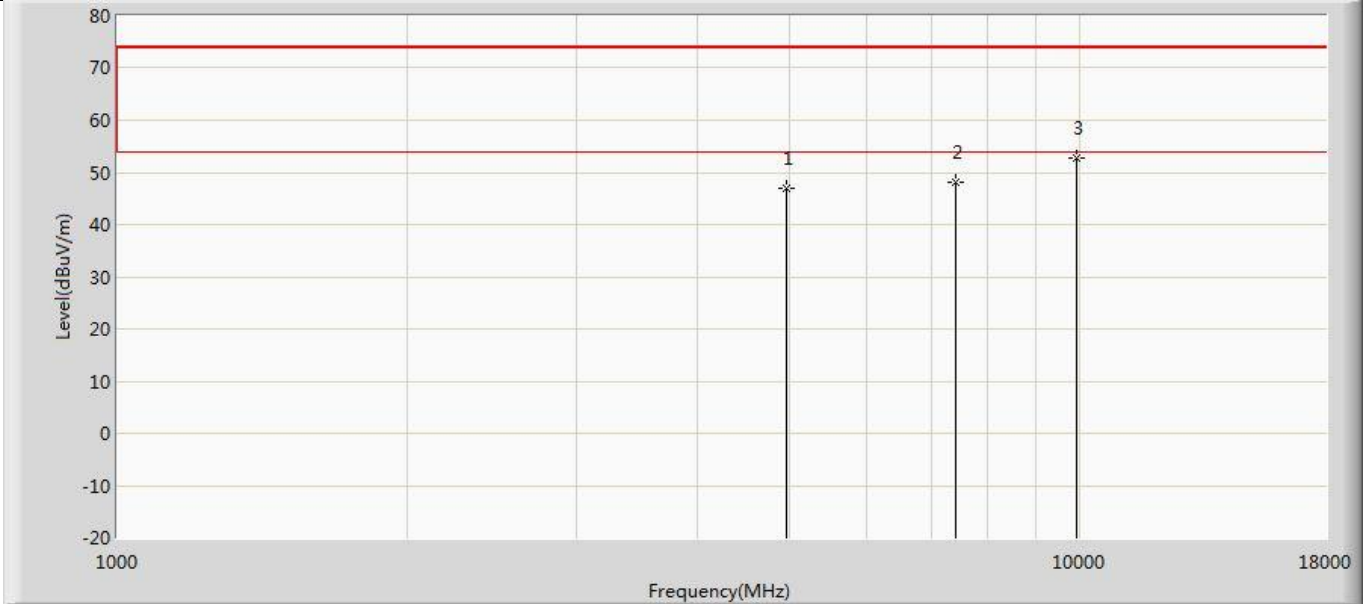
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4880.000        | 44.783                 | 55.560               | -29.217         | 74.000         | -10.777     | PK   |
| 2  |      | 7320.000        | 47.835                 | 55.126               | -26.165         | 74.000         | -7.291      | PK   |
| 3  | *    | 9760.000        | 51.599                 | 54.466               | -22.401         | 74.000         | -2.867      | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 24B0486R                              | Page No.: 10             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/12/01 - 19:13 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055 (1-18GHz)            | Polarity: Vertical       |
| EUT: Wi-Fi and Bluetooth Module                | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2440MHz by LE_1Mbps |                          |



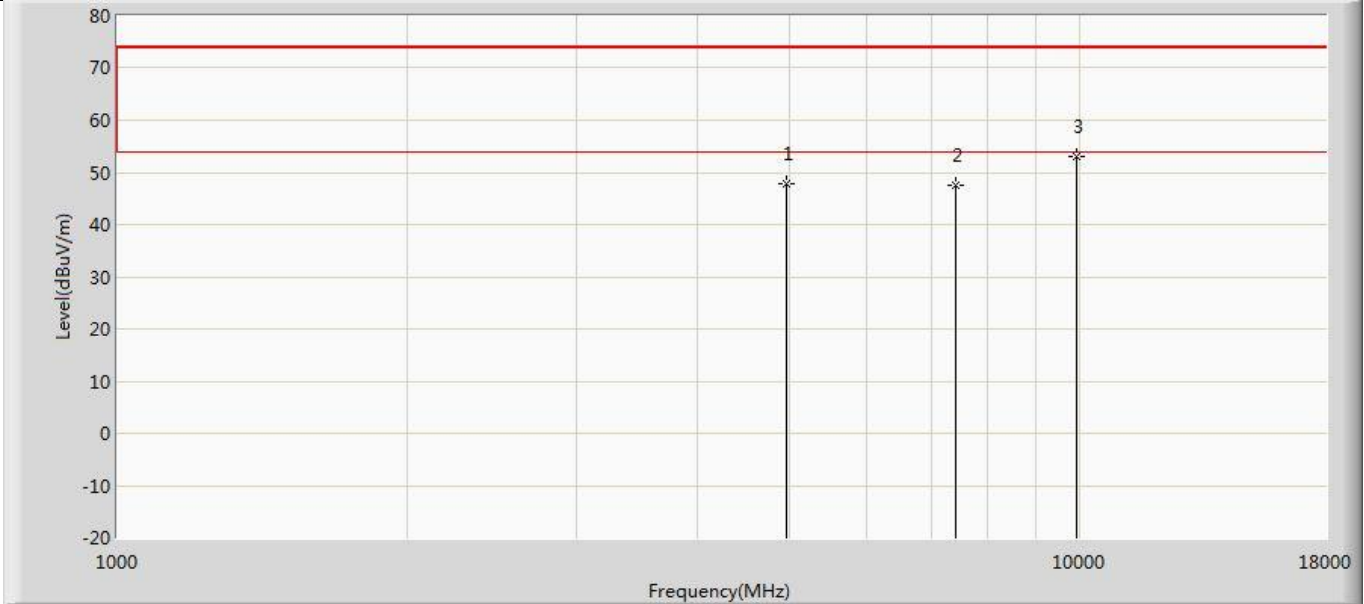
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4880.000        | 45.360                 | 56.137               | -28.640         | 74.000         | -10.777     | PK   |
| 2  |      | 7320.000        | 47.392                 | 54.683               | -26.608         | 74.000         | -7.291      | PK   |
| 3  | *    | 9760.000        | 51.360                 | 54.227               | -22.640         | 74.000         | -2.867      | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 24B0486R                              | Page No.: 11             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/12/01 - 19:13 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055_(1-18GHz)            | Polarity: Horizontal     |
| EUT: Wi-Fi and Bluetooth Module                | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4961.000        | 47.022                 | 57.874               | -26.978         | 74.000         | -10.852     | PK   |
| 2  |      | 7440.000        | 48.237                 | 55.347               | -25.763         | 74.000         | -7.110      | PK   |
| 3  | *    | 9920.000        | 52.877                 | 54.742               | -21.123         | 74.000         | -1.865      | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 24B0486R                              | Page No.: 12             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2024/12/01 - 19:13 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055_(1-18GHz)            | Polarity: Vertical       |
| EUT: Wi-Fi and Bluetooth Module                | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps |                          |

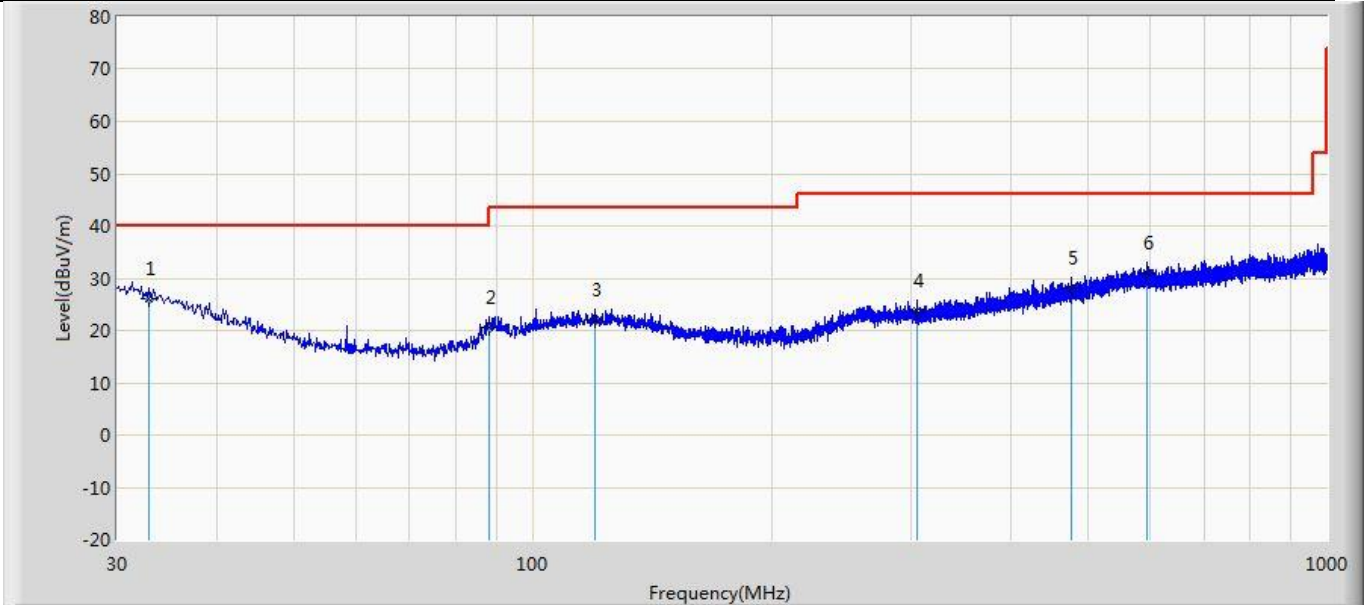


| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4961.000        | 47.892                 | 58.744               | -26.108         | 74.000         | -10.852     | PK   |
| 2  |      | 7440.000        | 47.582                 | 54.692               | -26.418         | 74.000         | -7.110      | PK   |
| 3  | *    | 9920.000        | 53.085                 | 54.950               | -20.915         | 74.000         | -1.865      | PK   |

- Note:
1. Measured Level = Reading Level + Factor.
  2. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
  3. The test frequency range, 18GHz~26GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.
  4. If the test result on peak is lower than average limit, then average measurement needn't be performed.

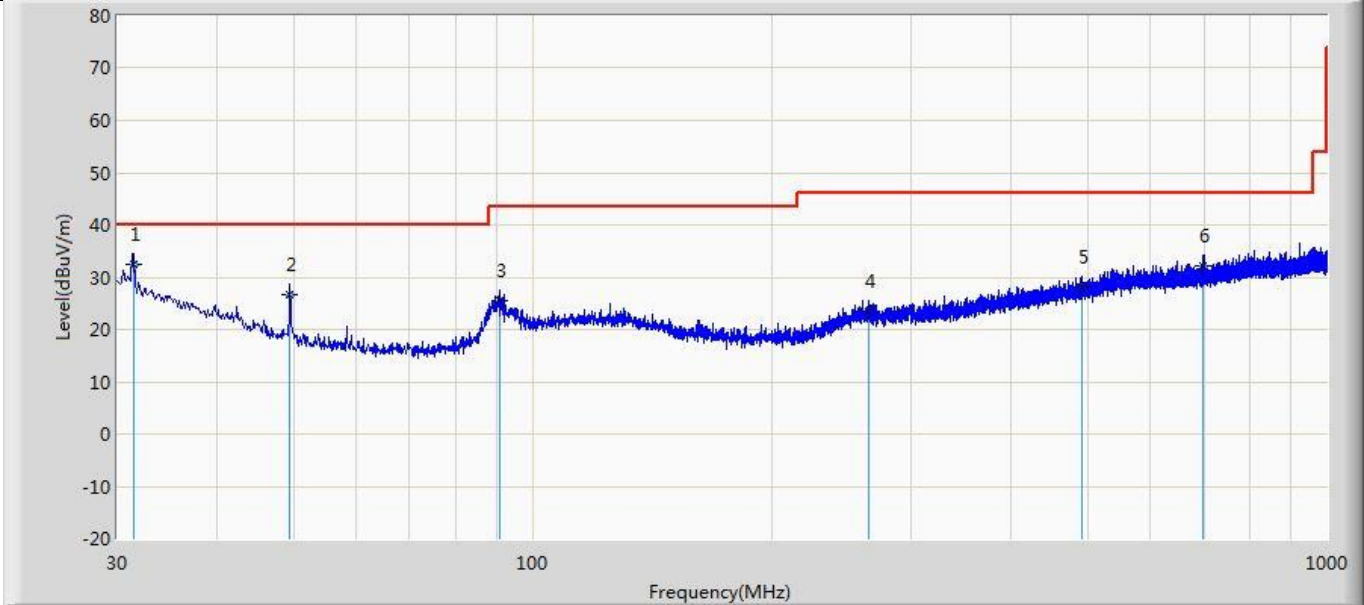
The worst case of Radiated Emission below 1GHz :

|                                              |                          |
|----------------------------------------------|--------------------------|
| Profile: 24B0486R                            | Page No.: 1              |
| Engineer: Yu Liu                             |                          |
| Site: AC2                                    | Time: 2024/11/23 - 19:29 |
| Limit: FCC_Part 15.109_RE (3m)_Class B       | Margin: 0                |
| Probe: CBL6112D_27613(30-1000MHz)            | Polarity: Horizontal     |
| EUT: Wi-Fi and Bluetooth Module              | Power: 3.3 Vdc           |
| Note: mode 1:Transmit at 2402MHz by LE_1Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 32.910          | 26.005                 | 2.457                | -13.995         | 40.000         | 23.548      | QP   |
| 2  |      | 88.200          | 20.500                 | 5.027                | -23.000         | 43.500         | 15.473      | QP   |
| 3  |      | 119.725         | 22.002                 | 2.669                | -21.498         | 43.500         | 19.333      | QP   |
| 4  |      | 305.480         | 23.891                 | 2.896                | -22.109         | 46.000         | 20.995      | QP   |
| 5  |      | 477.170         | 28.181                 | 3.016                | -17.819         | 46.000         | 25.165      | QP   |
| 6  |      | 594.055         | 30.904                 | 3.748                | -15.096         | 46.000         | 27.156      | QP   |

|                                              |                          |
|----------------------------------------------|--------------------------|
| Profile: 24B0486R                            | Page No.: 2              |
| Engineer: Yu Liu                             |                          |
| Site: AC2                                    | Time: 2024/11/23 - 19:29 |
| Limit: FCC_Part 15.109_RE (3m)_Class B       | Margin: 0                |
| Probe: CBL6112D_27613(30-1000MHz)            | Polarity: Vertical       |
| EUT: Wi-Fi and Bluetooth Module              | Power: 3.3 Vdc           |
| Note: mode 1:Transmit at 2402MHz by LE_1Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 31.455          | 32.544                 | 8.345                | -7.456          | 40.000         | 24.199      | QP   |
| 2  |      | 49.521          | 26.741                 | 11.652               | -13.259         | 40.000         | 15.089      | QP   |
| 3  |      | 90.868          | 25.406                 | 9.320                | -18.094         | 43.500         | 16.087      | QP   |
| 4  |      | 264.497         | 23.515                 | 2.888                | -22.485         | 46.000         | 20.627      | QP   |
| 5  |      | 492.084         | 28.159                 | 2.703                | -17.841         | 46.000         | 25.456      | QP   |
| 6  |      | 698.209         | 32.314                 | 4.576                | -13.686         | 46.000         | 27.739      | QP   |

- Note:
- " \* ", means this data is the worst emission level.
  - Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

The End