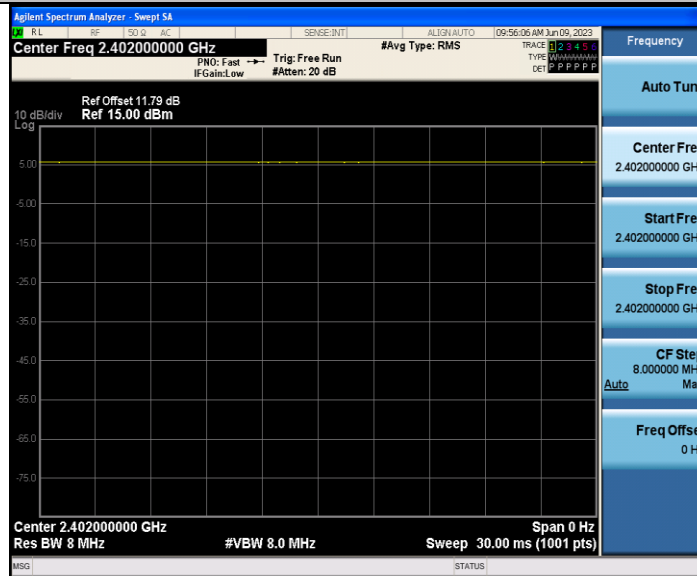


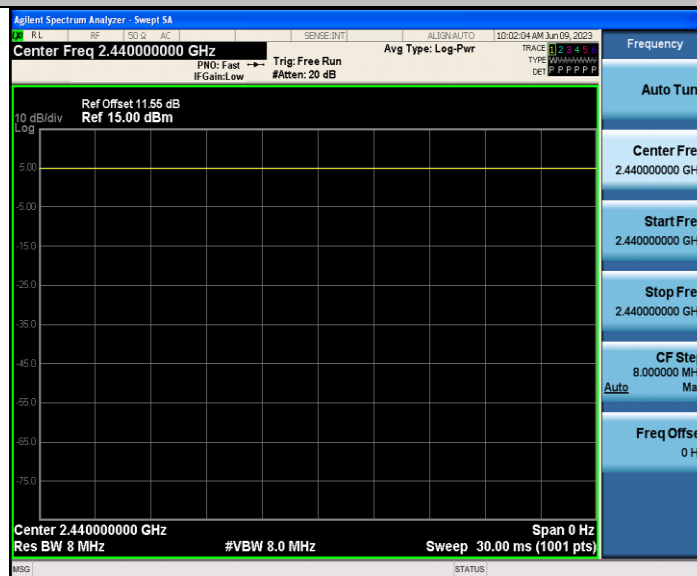
## Appendix G: Duty Cycle

| TestMode | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|----------|----------------|--------------|-------------|----------------|-----------------------|
| BLE_1M   | 2402           | 0.00         | 0.00        | 100            | N/A                   |
|          | 2440           | 0.00         | 0.00        | 100            | N/A                   |
|          | 2480           | 0.00         | 0.00        | 100            | N/A                   |

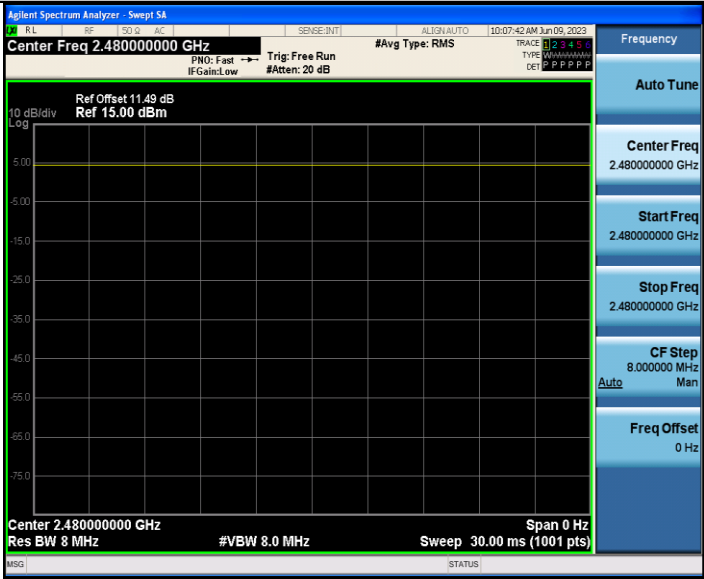
BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440

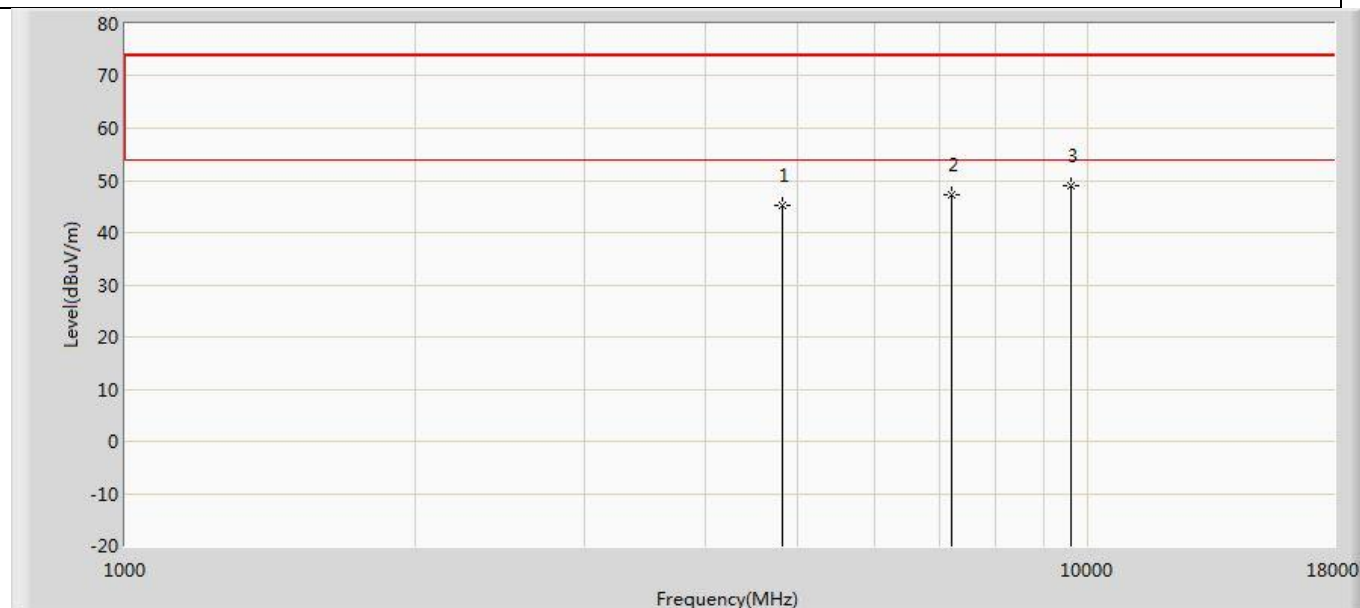


BLE\_1M\_Ant1\_2480



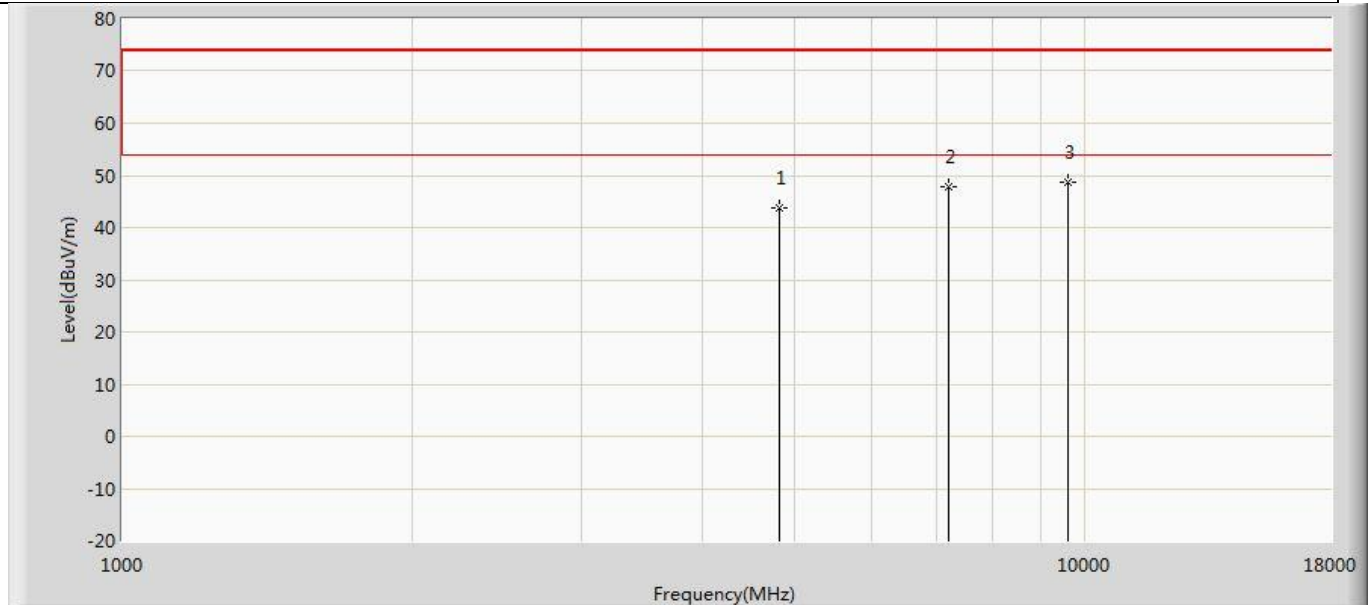
## Appendix H: Emissions in Restricted Bands

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2340773R                              | Page No.: 7              |
| Engineer: Yuliu                                |                          |
| Site: AC5                                      | Time: 2023/05/17 - 00:51 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Horizontal     |
| EUT: Barcode Scanner                           | Power: By Battery        |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



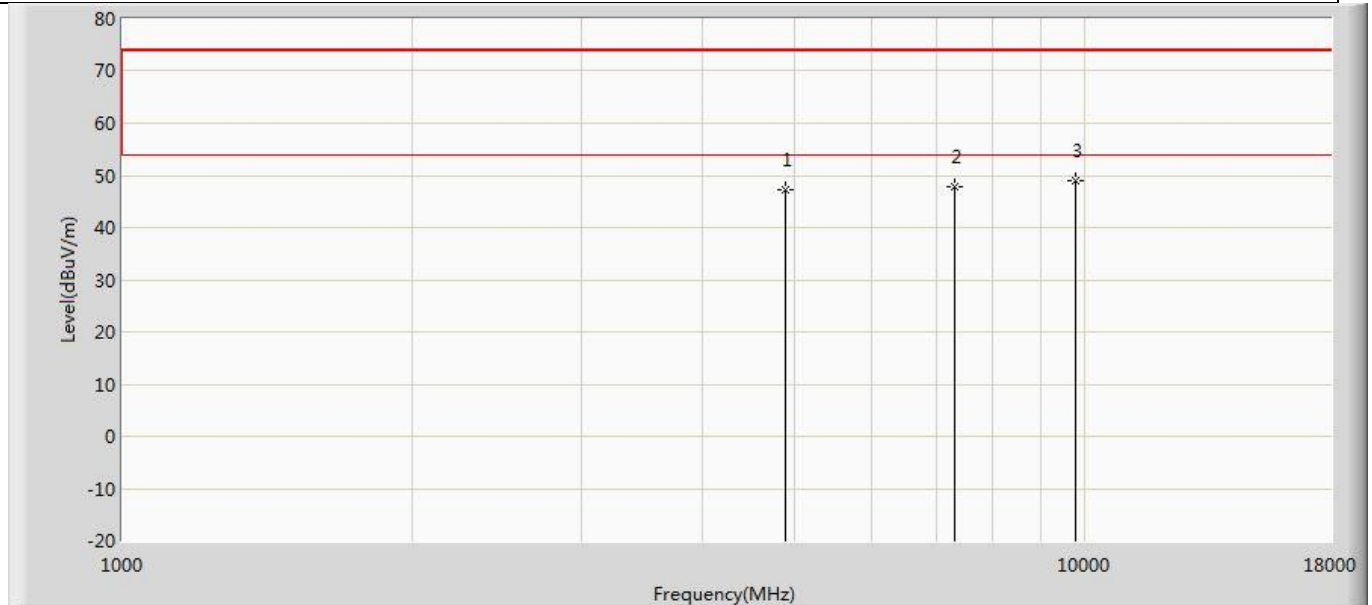
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4808.000        | 45.106                 | 59.754               | -28.894         | 74.000         | -14.647     | PK   |
| 2  |      | 7205.000        | 47.379                 | 57.088               | -26.621         | 74.000         | -9.710      | PK   |
| 3  | *    | 9608.000        | 48.915                 | 54.550               | -25.085         | 74.000         | -5.635      | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2340773R                              | Page No.: 8              |
| Engineer: Yuliu                                |                          |
| Site: AC5                                      | Time: 2023/05/17 - 00:51 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Vertical       |
| EUT: Barcode Scanner                           | Power: By Battery        |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



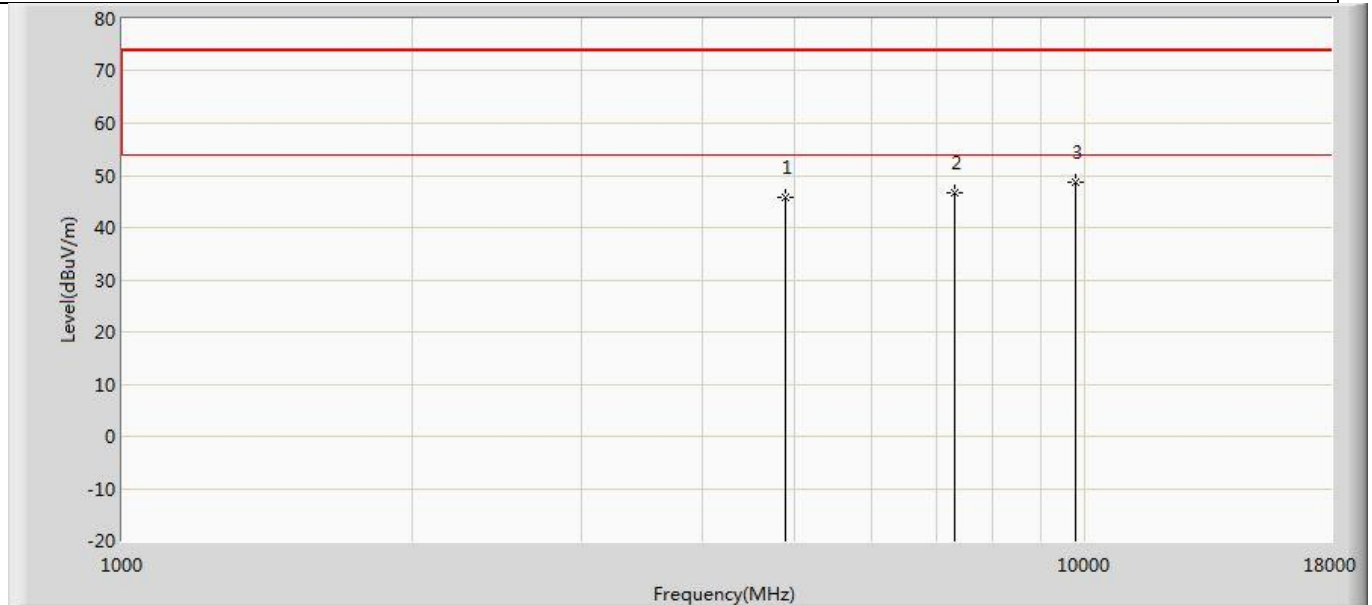
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4808.000        | 43.804                 | 58.452               | -30.196         | 74.000         | -14.647     | PK   |
| 2  |      | 7205.000        | 47.856                 | 57.565               | -26.144         | 74.000         | -9.710      | PK   |
| 3  | *    | 9608.000        | 48.584                 | 54.219               | -25.416         | 74.000         | -5.635      | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2340773R                              | Page No.: 9              |
| Engineer: Yuliu                                |                          |
| Site: AC5                                      | Time: 2023/05/17 - 00:51 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Horizontal     |
| EUT: Barcode Scanner                           | Power: By Battery        |
| Note: Mode 1 : Transmit at 2440MHz by LE_1Mbps |                          |



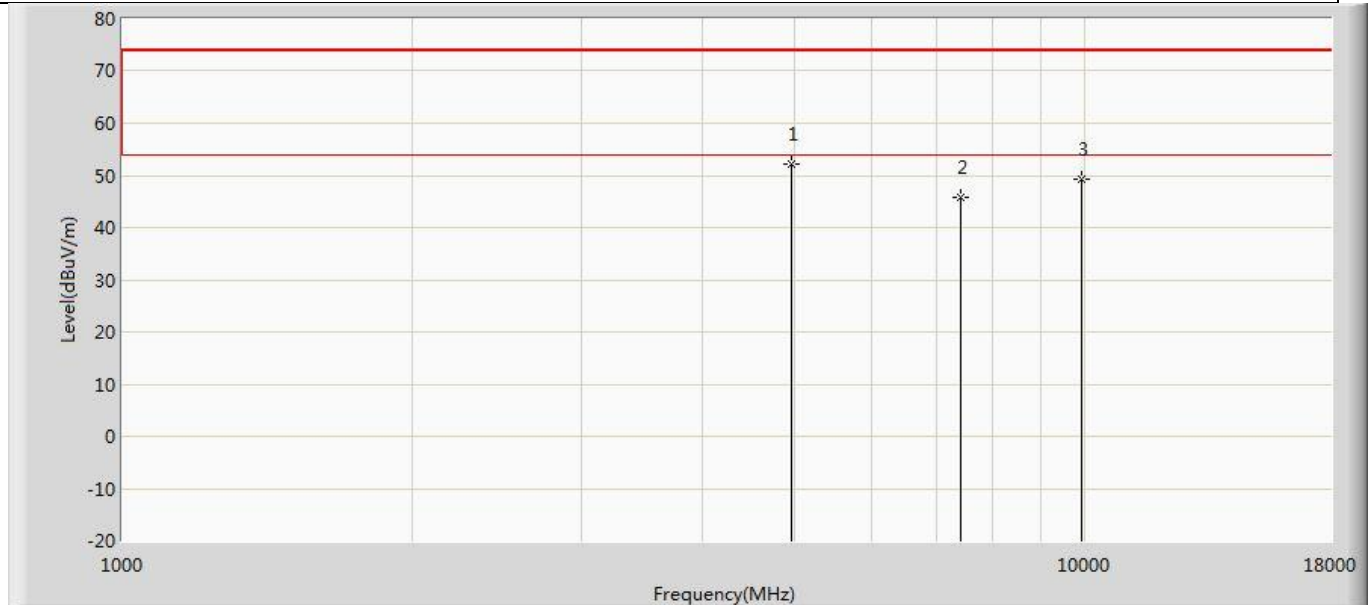
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4876.000        | 47.262                 | 61.559               | -26.738         | 74.000         | -14.297     | PK   |
| 2  |      | 7324.000        | 47.690                 | 57.416               | -26.310         | 74.000         | -9.726      | PK   |
| 3  | *    | 9760.000        | 49.122                 | 54.673               | -24.878         | 74.000         | -5.550      | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2340773R                              | Page No.: 10             |
| Engineer: Yuliu                                |                          |
| Site: AC5                                      | Time: 2023/05/17 - 00:51 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Vertical       |
| EUT: Barcode Scanner                           | Power: By Battery        |
| Note: Mode 1 : Transmit at 2440MHz by LE_1Mbps |                          |



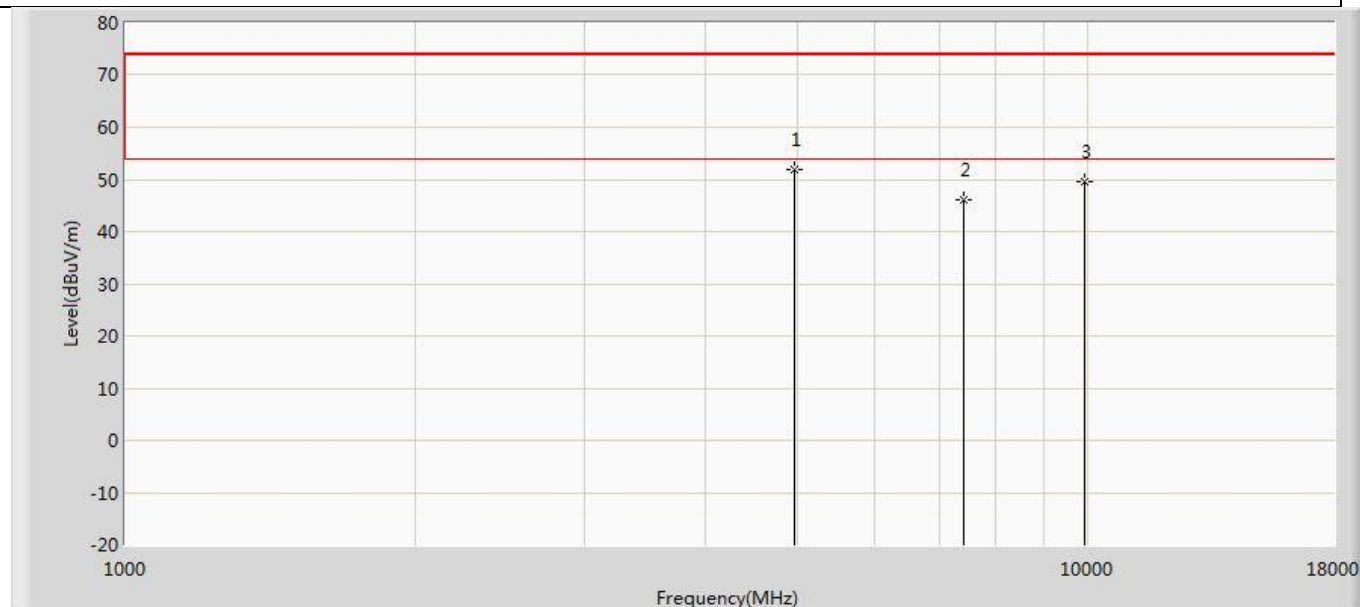
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4876.000        | 45.923                 | 60.220               | -28.077         | 74.000         | -14.297     | PK   |
| 2  |      | 7324.000        | 46.641                 | 56.367               | -27.359         | 74.000         | -9.726      | PK   |
| 3  | *    | 9760.000        | 48.785                 | 54.336               | -25.215         | 74.000         | -5.550      | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2340773R                              | Page No.: 11             |
| Engineer: Yuliu                                |                          |
| Site: AC5                                      | Time: 2023/05/17 - 00:51 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Horizontal     |
| EUT: Barcode Scanner                           | Power: By Battery        |
| 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        | 52.259                 | 66.391               | -21.741         | 74.000         | -14.133     | PK   |
| 2  |      | 7440.000        | 45.717                 | 55.079               | -28.283         | 74.000         | -9.362      | PK   |
| 3  |      | 9920.000        | 49.355                 | 54.267               | -24.645         | 74.000         | -4.913      | PK   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2340773R                              | Page No.: 12             |
| Engineer: Yuliu                                |                          |
| Site: AC5                                      | Time: 2023/05/17 - 00:51 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Vertical       |
| EUT: Barcode Scanner                           | Power: By Battery        |
| Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps |                          |



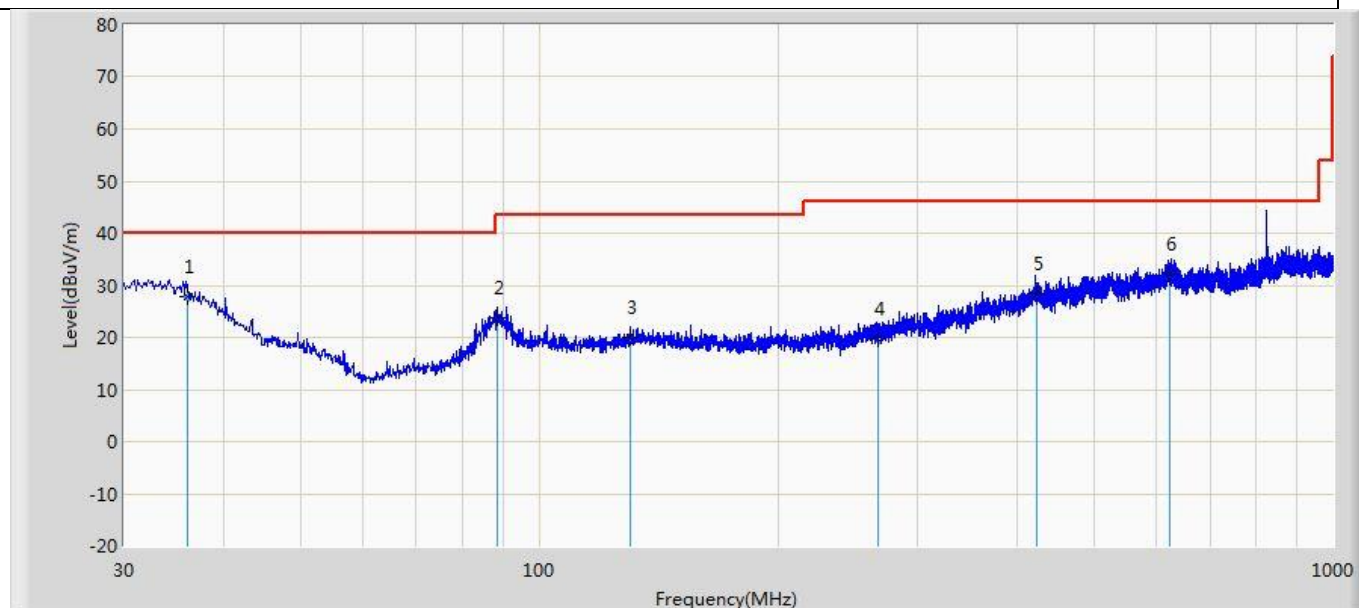
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 4961.000        | 51.967                 | 66.099               | -22.033         | 74.000         | -14.133     | PK   |
| 2  |      | 7440.000        | 46.025                 | 55.387               | -27.975         | 74.000         | -9.362      | PK   |
| 3  |      | 9920.000        | 49.454                 | 54.366               | -24.546         | 74.000         | -4.913      | 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. This limit applies for using average detector, 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: 2340773R                              | Page No.: 185            |
| Engineer: Yuliu                                |                          |
| Site: AC3                                      | Time: 2023/05/17 - 02:48 |
| Limit: FCC_Part 15.209_RE (3m)                 | Margin: 0                |
| Probe: AC3_3M (30-1000M)                       | Polarity: Horizontal     |
| EUT: Barcode Scanner                           | Power: By Battery        |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |

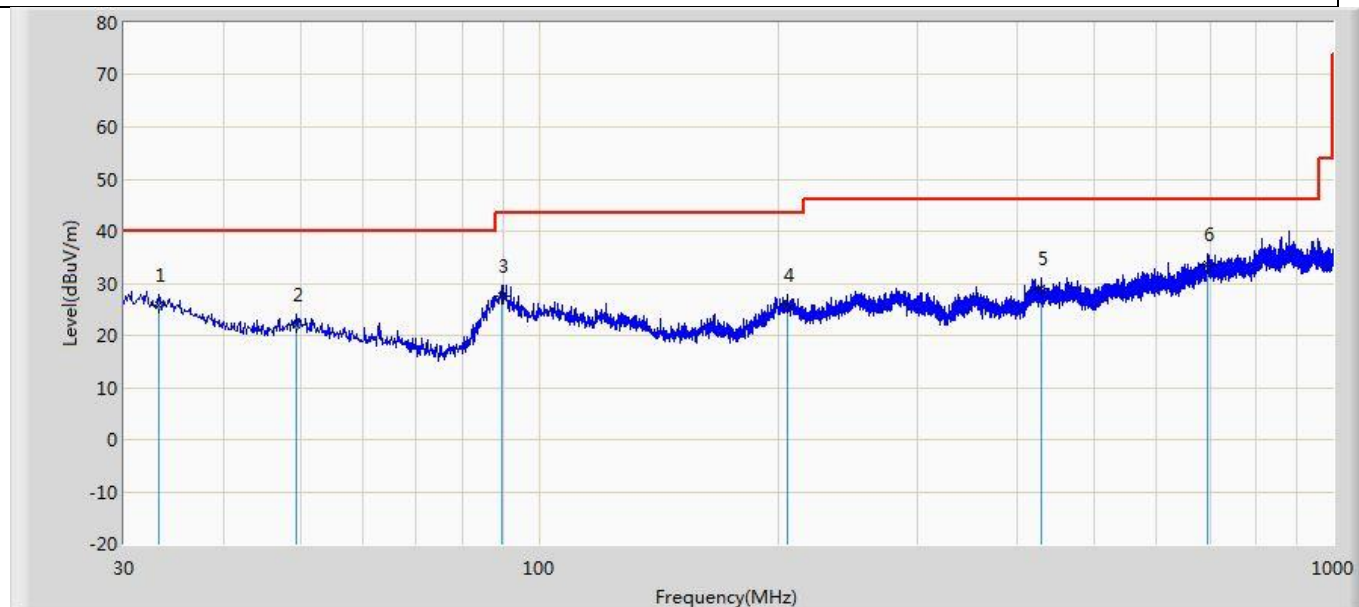


| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 36.062          | 27.780                 | 1.758                | -12.220         | 40.000         | 26.022      | QP   |
| 2  |      | 88.564          | 23.907                 | 10.123               | -19.593         | 43.500         | 13.785      | QP   |
| 3  |      | 130.516         | 19.924                 | 2.420                | -23.576         | 43.500         | 17.504      | QP   |
| 4  |      | 267.408         | 19.822                 | 0.932                | -26.178         | 46.000         | 18.891      | QP   |
| 5  |      | 423.941         | 28.375                 | 1.149                | -17.625         | 46.000         | 27.226      | QP   |
| 6  |      | 624.246         | 32.258                 | 1.672                | -13.742         | 46.000         | 30.587      | QP   |

Note:

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

|                                                |                          |
|------------------------------------------------|--------------------------|
| Profile: 2340773R                              | Page No.: 186            |
| Engineer: Yuliu                                |                          |
| Site: AC3                                      | Time: 2023/05/17 - 02:50 |
| Limit: FCC_Part 15.209_RE (3m)                 | Margin: 0                |
| Probe: AC3_3M (30-1000M)                       | Polarity: Vertical       |
| EUT: Barcode Scanner                           | Power: By Battery        |
| 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  |      | 33.163          | 25.878                 | 2.820                | -14.122         | 40.000         | 23.058      | QP   |
| 2  |      | 49.521          | 22.027                 | 2.620                | -17.973         | 40.000         | 19.406      | QP   |
| 3  |      | 89.655          | 27.638                 | 10.791               | -15.862         | 43.500         | 16.847      | QP   |
| 4  |      | 205.934         | 25.851                 | 2.429                | -17.649         | 43.500         | 23.422      | QP   |
| 5  |      | 428.427         | 28.914                 | 3.069                | -17.086         | 46.000         | 25.845      | QP   |
| 6  | *    | 694.086         | 33.548                 | 3.077                | -12.452         | 46.000         | 30.471      | QP   |

Note:

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

The End