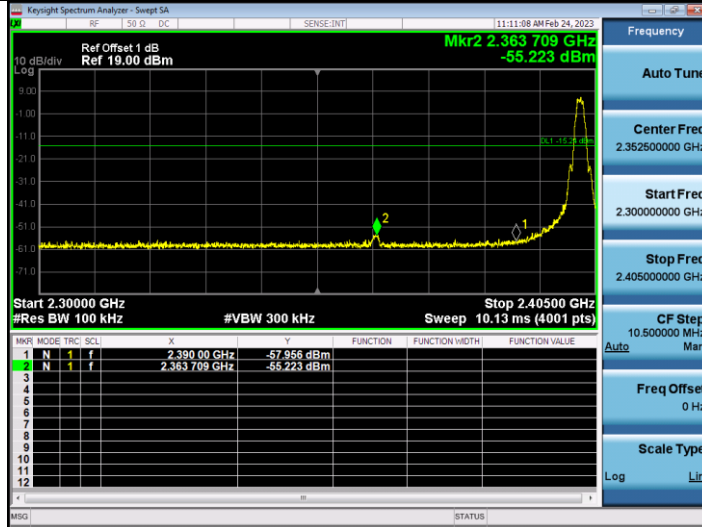
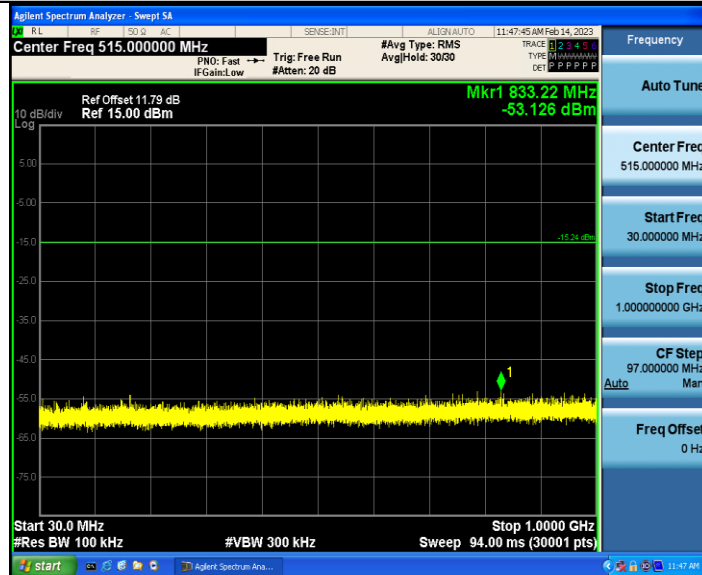


Mode2\_2402\_2300~2405



Mode2\_2402\_30~1000



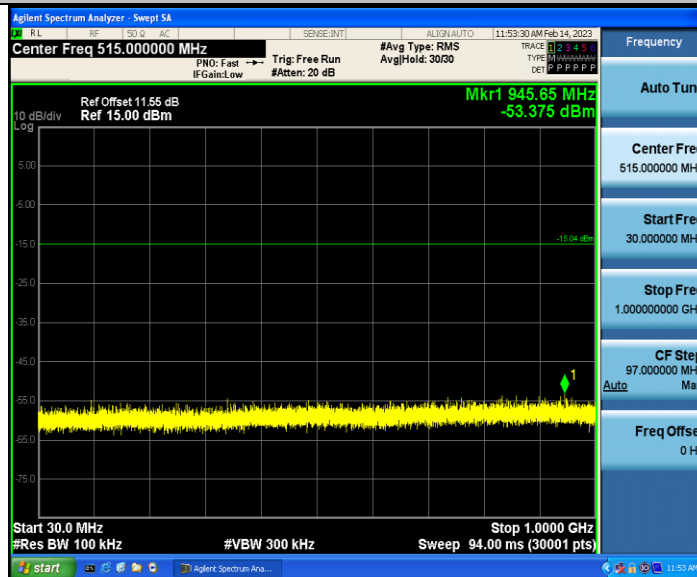
Mode2\_2402\_1000~26500



Mode2\_2440\_0~Reference



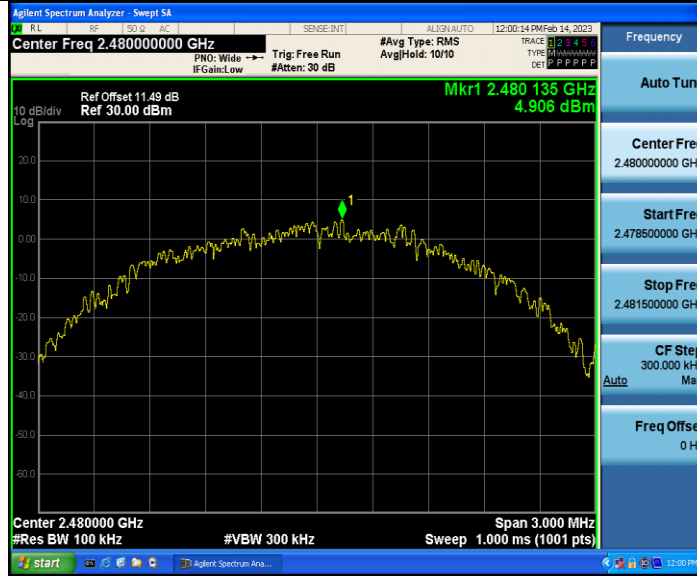
Mode2\_2440\_30~1000



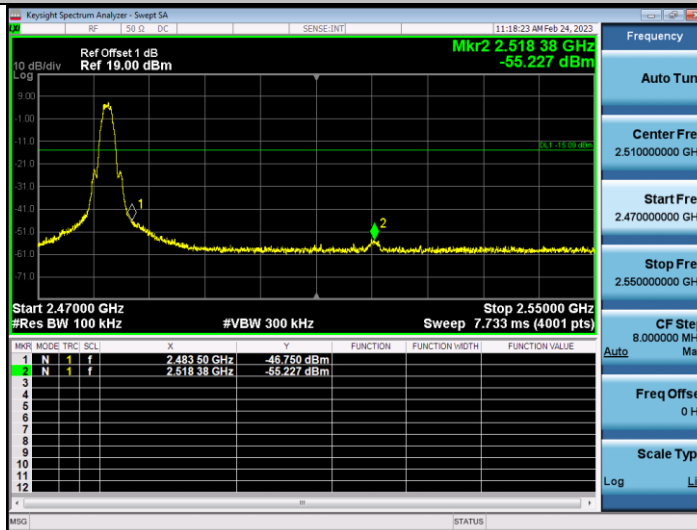
Mode2\_2440\_1000~26500



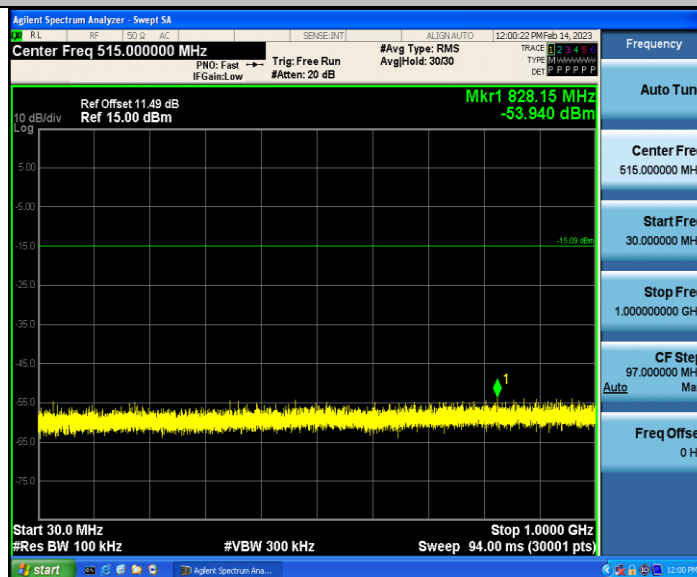
Mode2\_2480\_0~Reference



Mode2\_2480\_2470~2550



Mode2\_2480\_30~1000



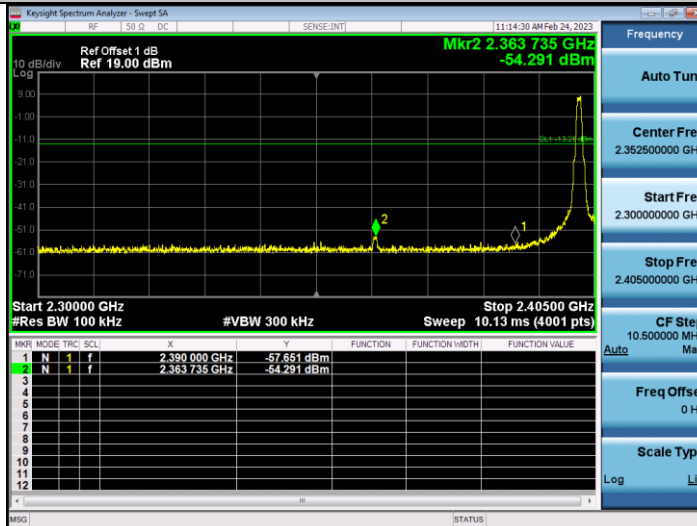
Mode2\_2480\_1000~26500



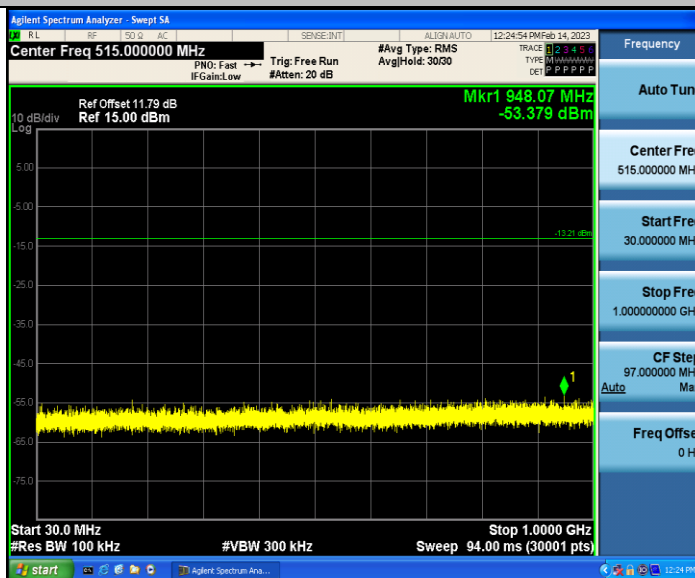
Mode3\_2402\_0~Reference



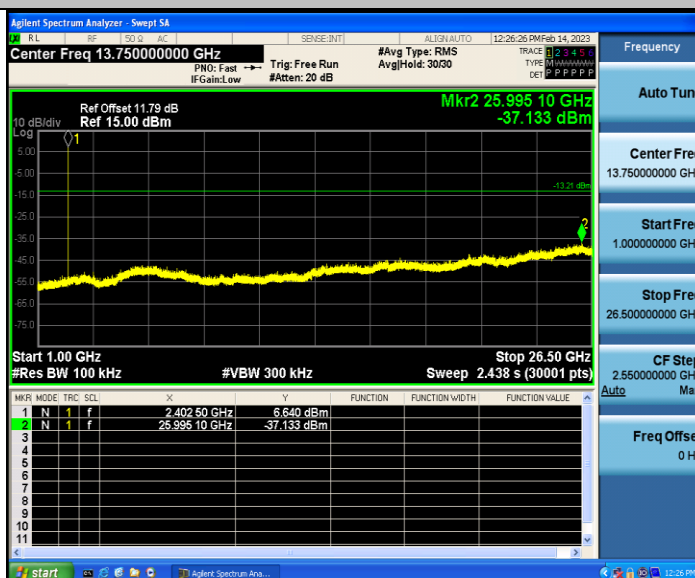
Mode3\_2402\_2300~2405



Mode3\_2402\_30~1000



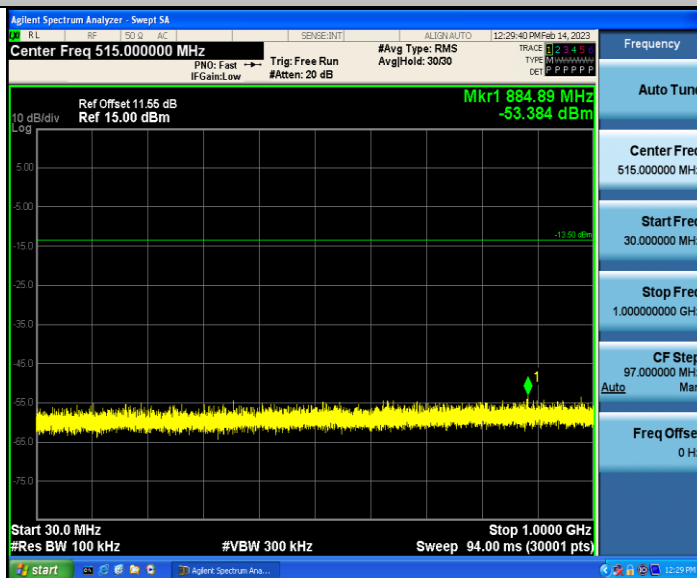
Mode3\_2402\_1000~26500



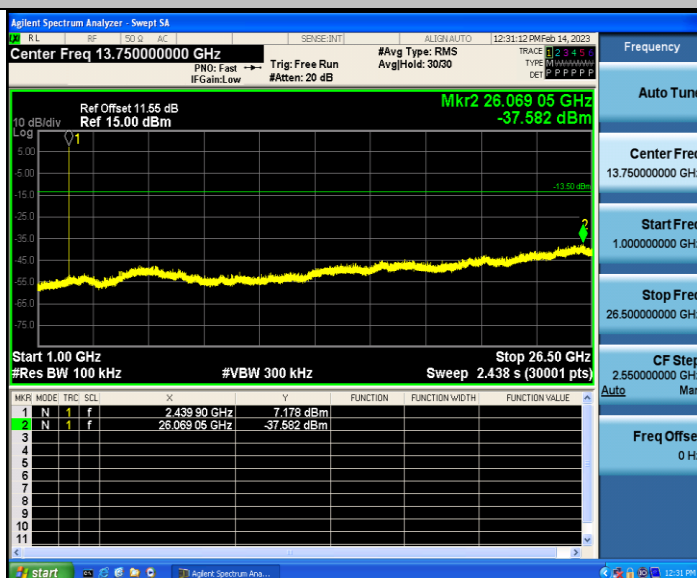
Mode3\_2440\_0~Reference



Mode3\_2440\_30~1000



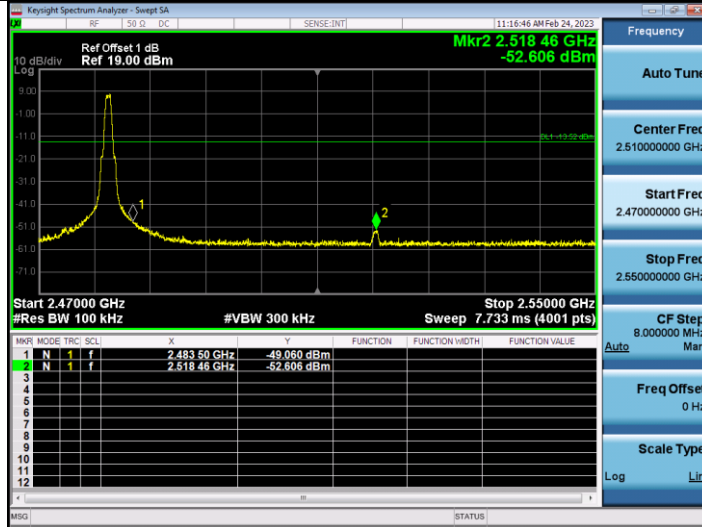
Mode3\_2440\_1000~26500



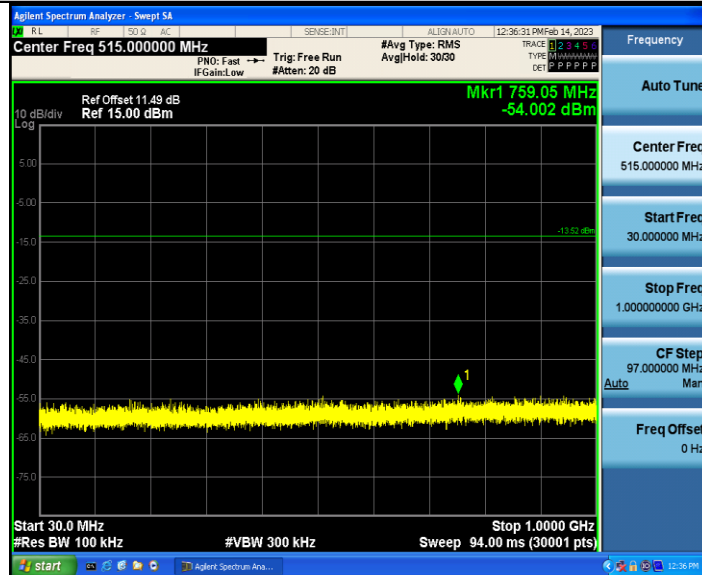
Mode3\_2480\_0~Reference



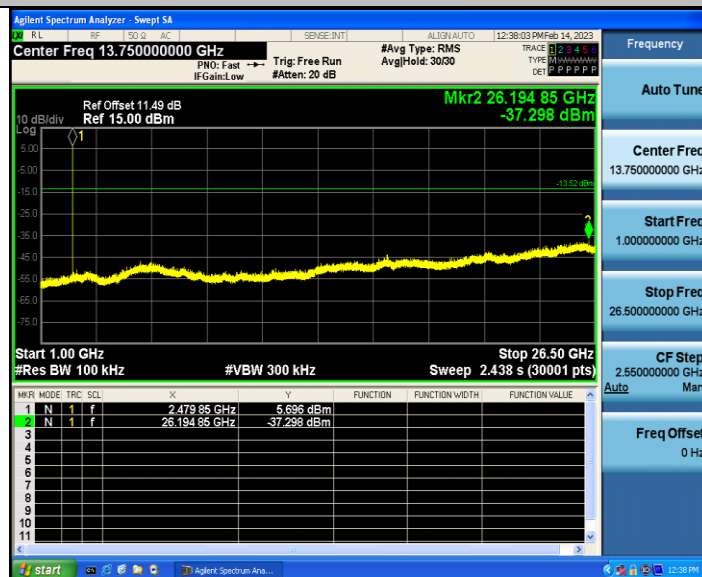
Mode3\_2480\_2470~2550



Mode3\_2480\_30~1000



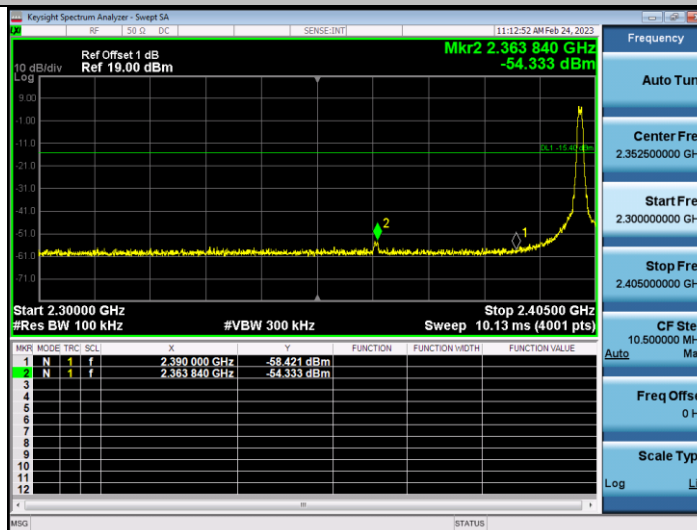
Mode3\_2480\_1000~26500



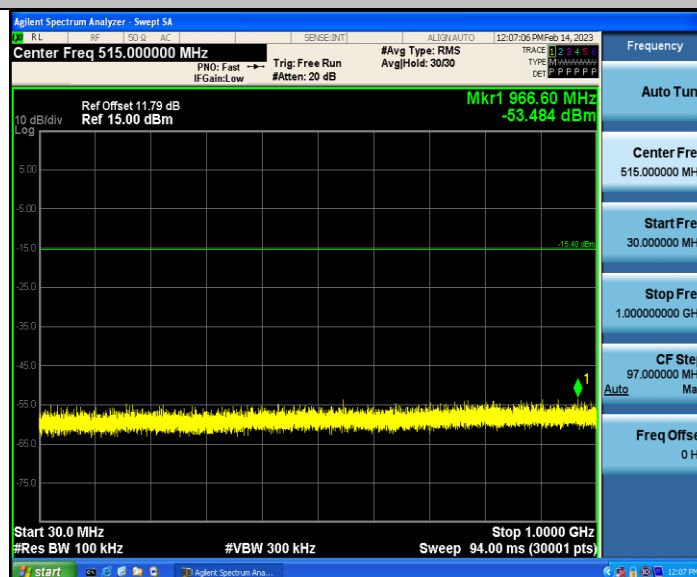
Mode4\_2402\_0~Reference



Mode4\_2402\_2300~2405



Mode4\_2402\_30~1000





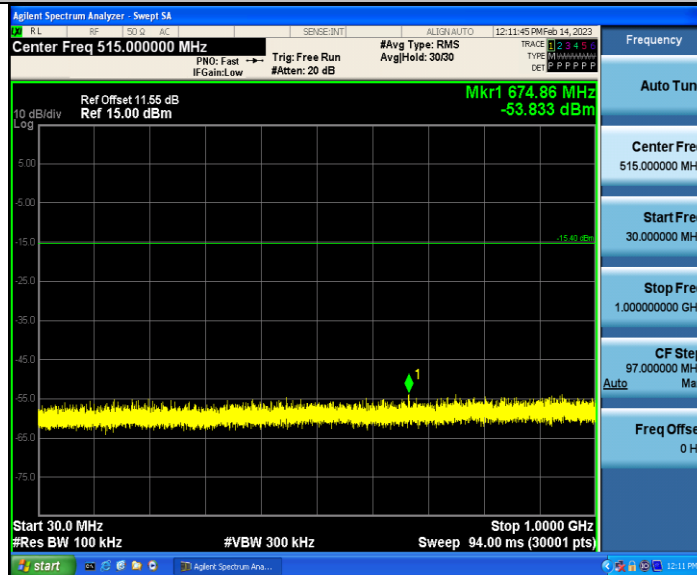
Mode4\_2402\_1000~26500



Mode4\_2440\_0~Reference



Mode4\_2440\_30~1000



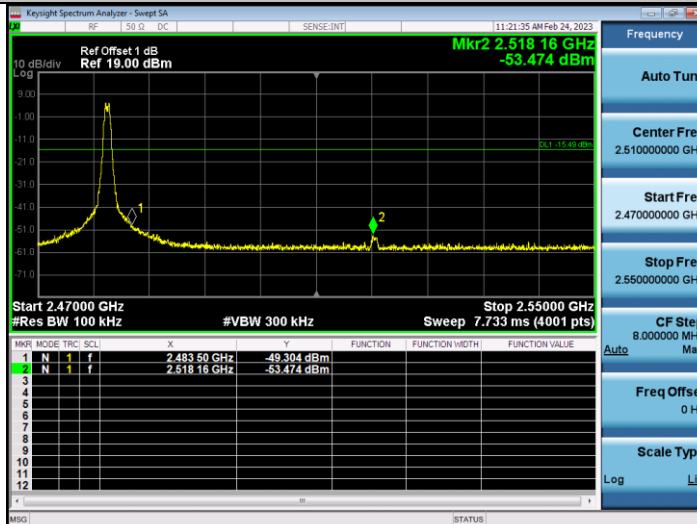
Mode4\_2440\_1000~26500



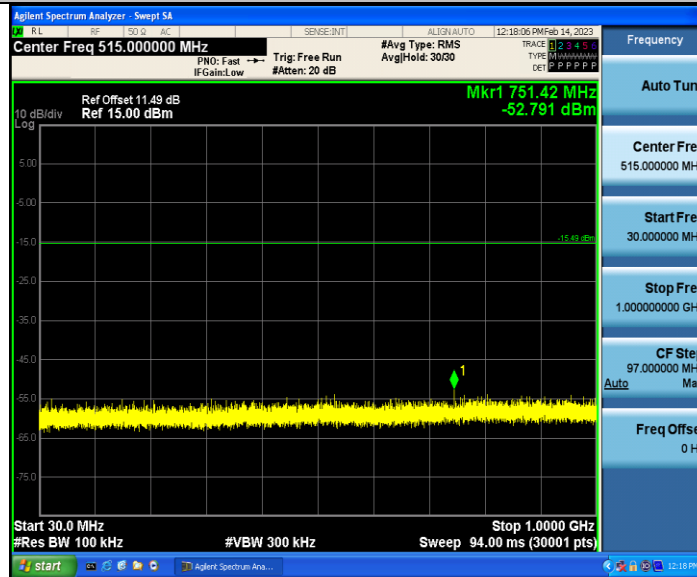
Mode4\_2480\_0~Reference



Mode4\_2480\_2470~2550



Mode4\_2480\_30~1000



Mode4\_2480\_1000~26500

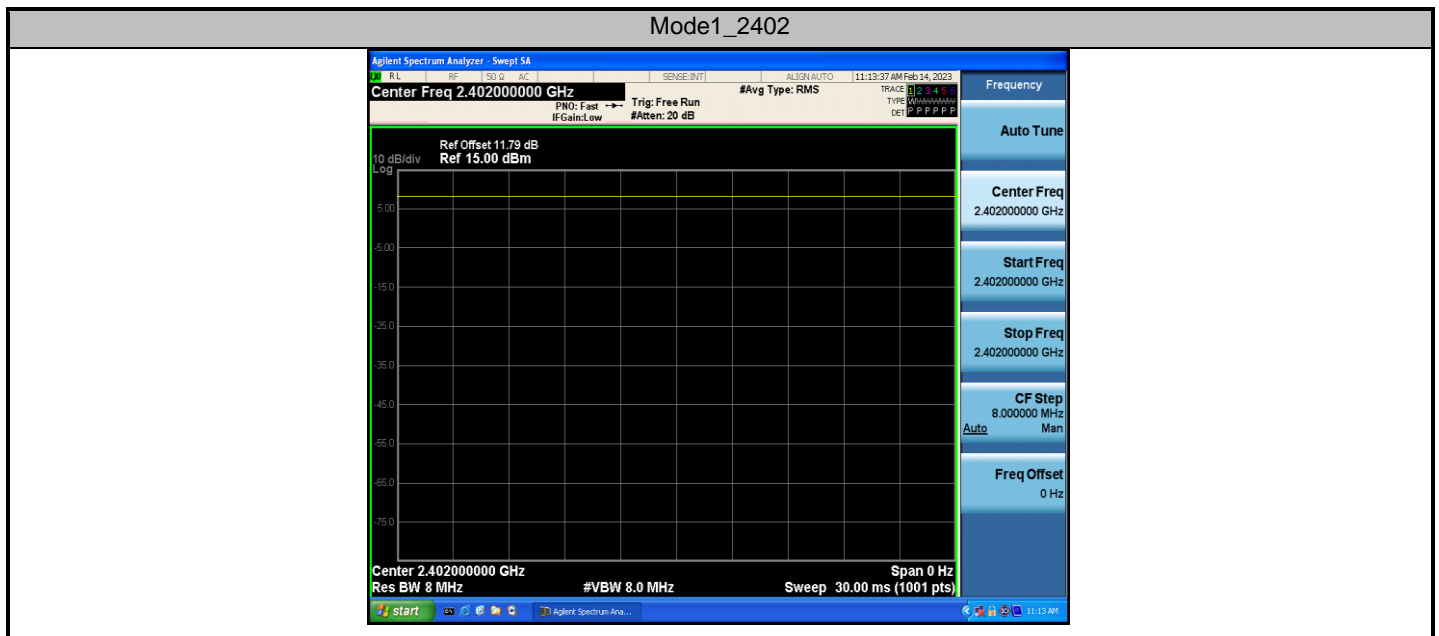


## Appendix G: Duty Cycle

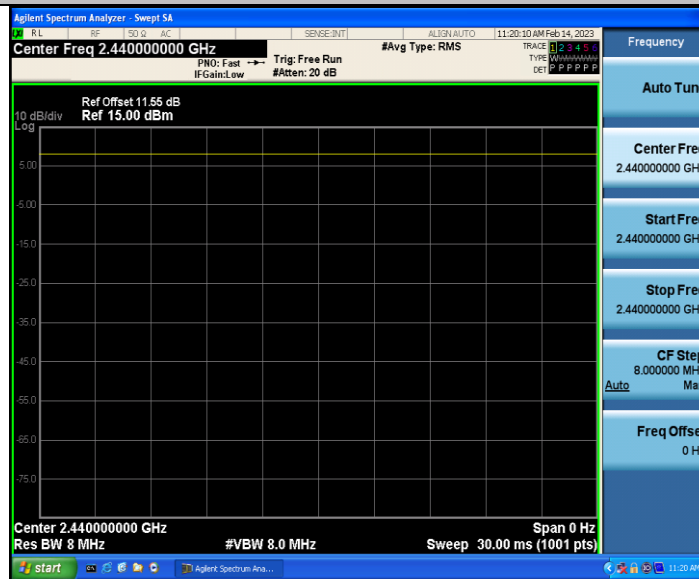
### Test Result

| Test Mode | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] |
|-----------|----------------|--------------|-------------|----------------|
| Mode1     | 2402           | N/A          | N/A         | 100            |
|           | 2440           | N/A          | N/A         | 100            |
|           | 2480           | N/A          | N/A         | 100            |
| Mode2     | 2402           | N/A          | N/A         | 100            |
|           | 2440           | N/A          | N/A         | 100            |
|           | 2480           | N/A          | N/A         | 100            |
| Mode3     | 2402           | N/A          | N/A         | 100            |
|           | 2440           | N/A          | N/A         | 100            |
|           | 2480           | N/A          | N/A         | 100            |
| Mode4     | 2402           | N/A          | N/A         | 100            |
|           | 2440           | N/A          | N/A         | 100            |
|           | 2480           | N/A          | N/A         | 100            |

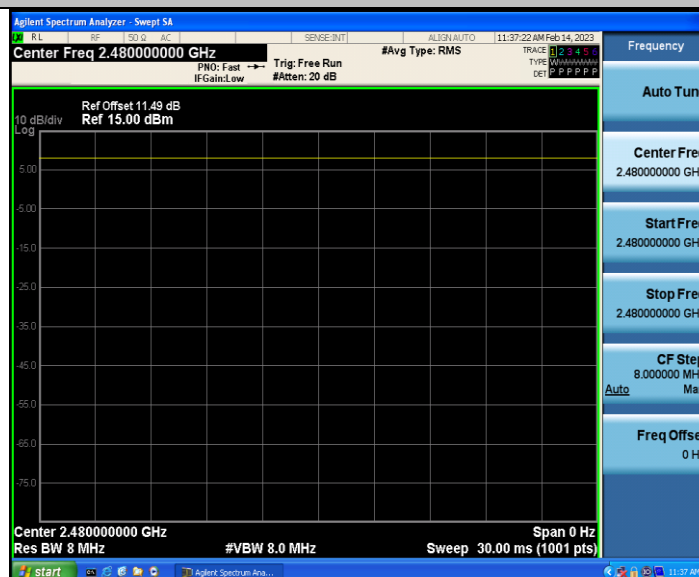
### Test Graphs



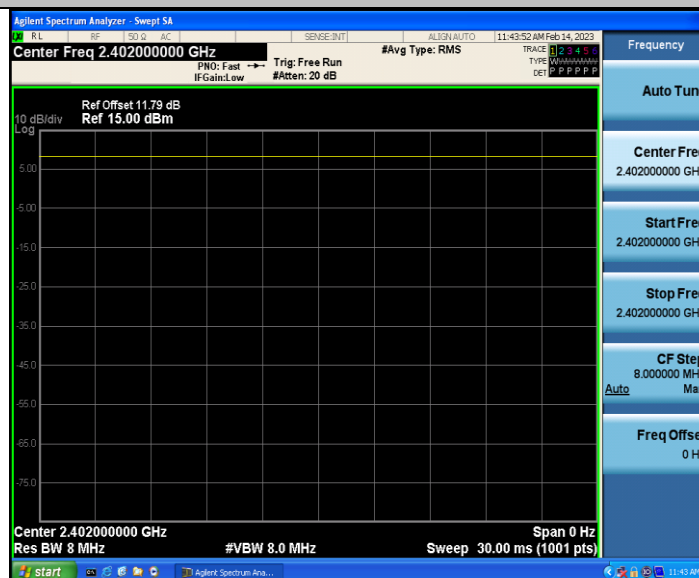
Mode1\_2440



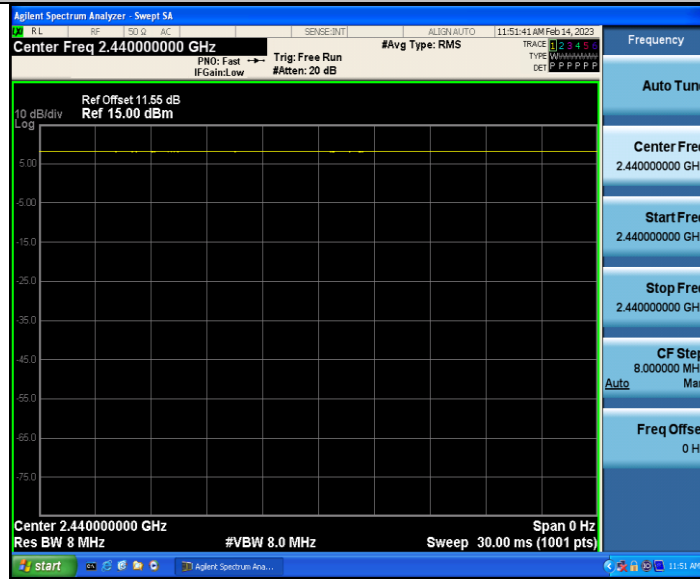
Mode1\_2480



Mode2\_2402



Mode2\_2440



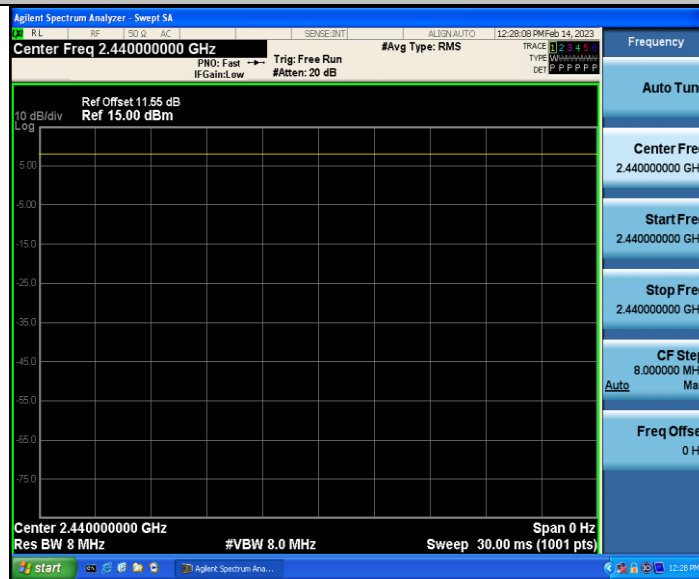
Mode2\_2480



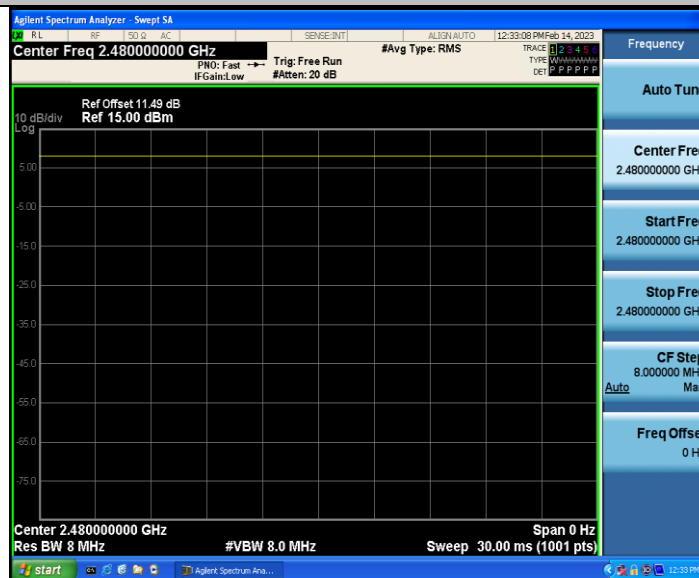
Mode3\_2402



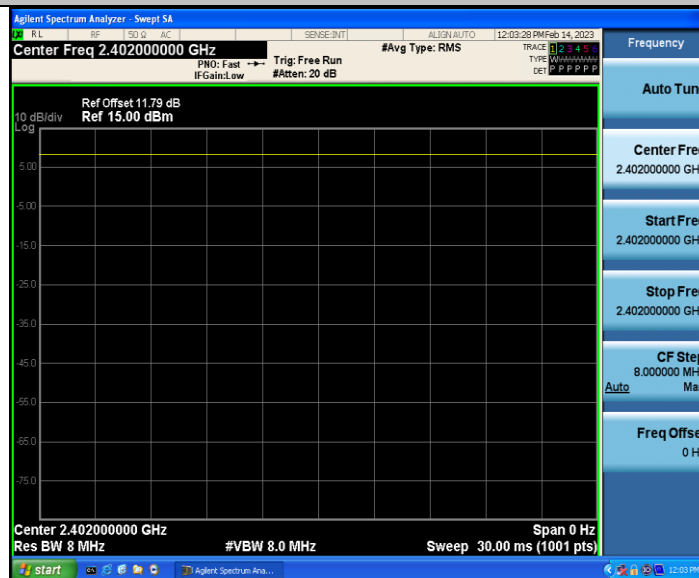
Mode3\_2440



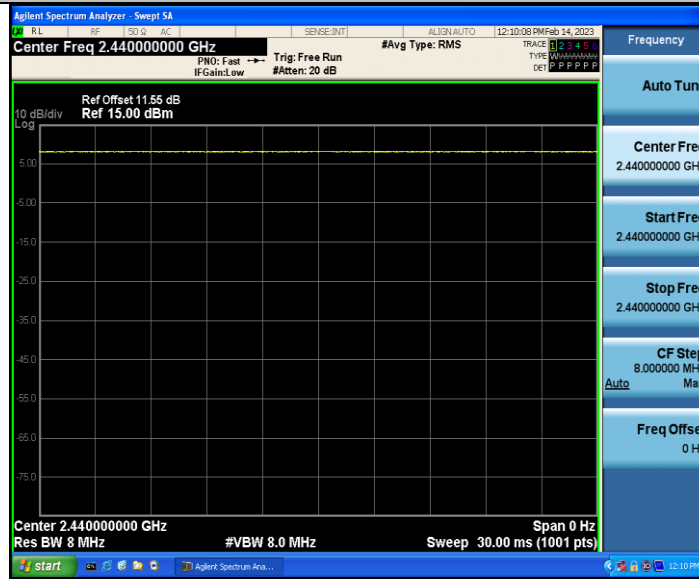
Mode3\_2480



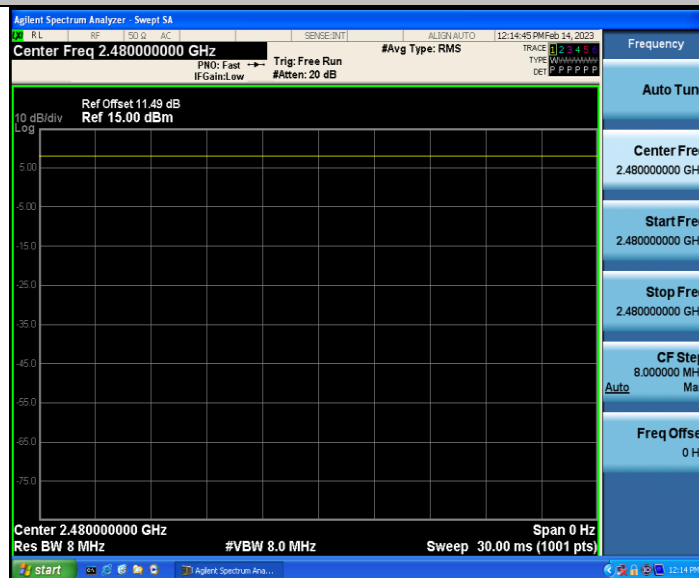
Mode4\_2402



Mode4\_2440



Mode4\_2480

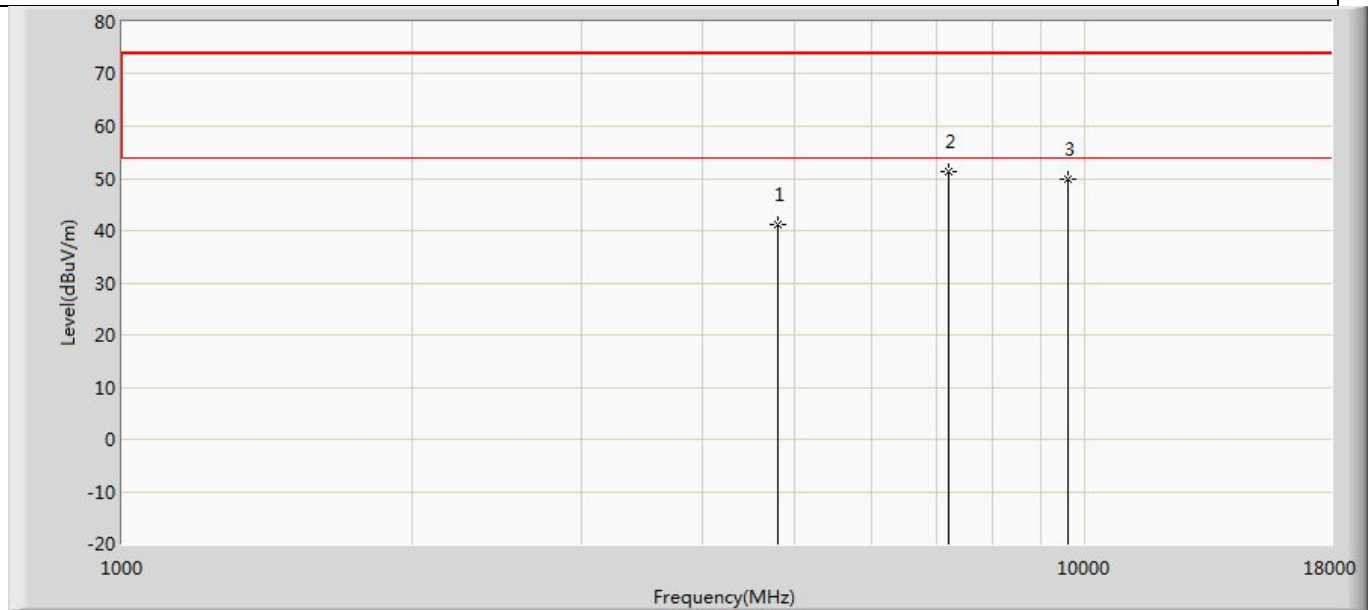




## Appendix H: Emissions in Restricted Bands

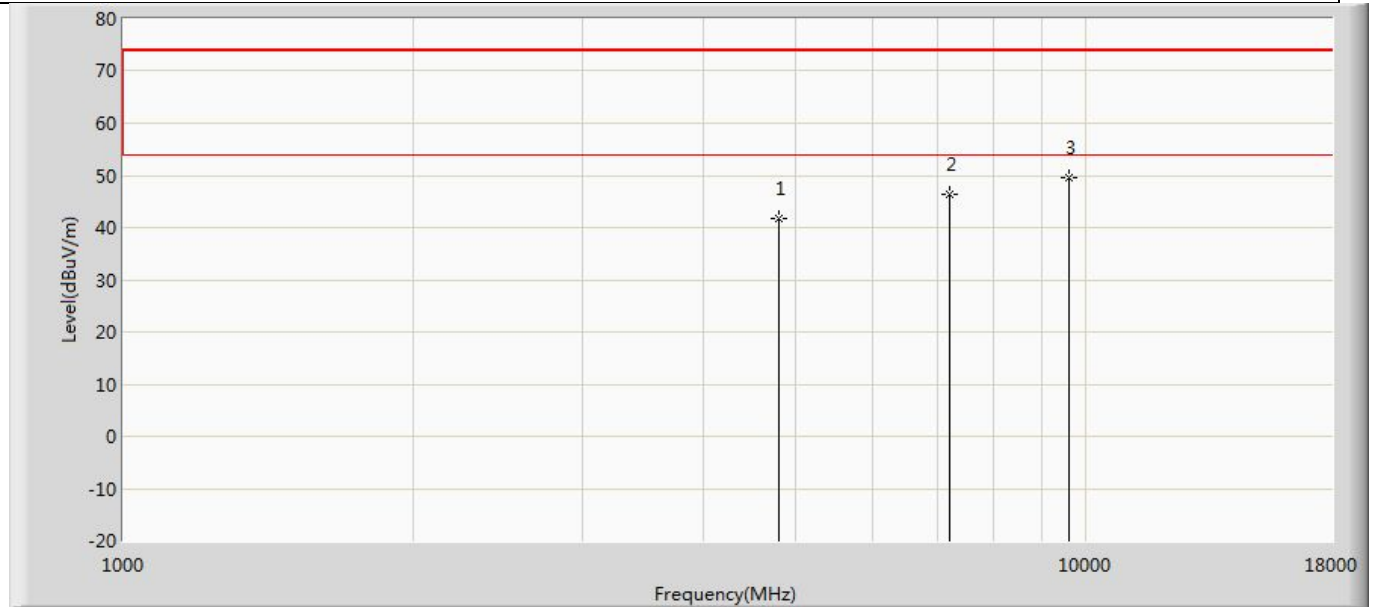
### Test Result

|  |                          |
|--|--------------------------|
| Profile: 2320237R                              | Page No.: 31             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2023/02/21 - 22:16 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Horizontal     |
| EUT: LED Lamp                                  | Power: 12Vac             |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



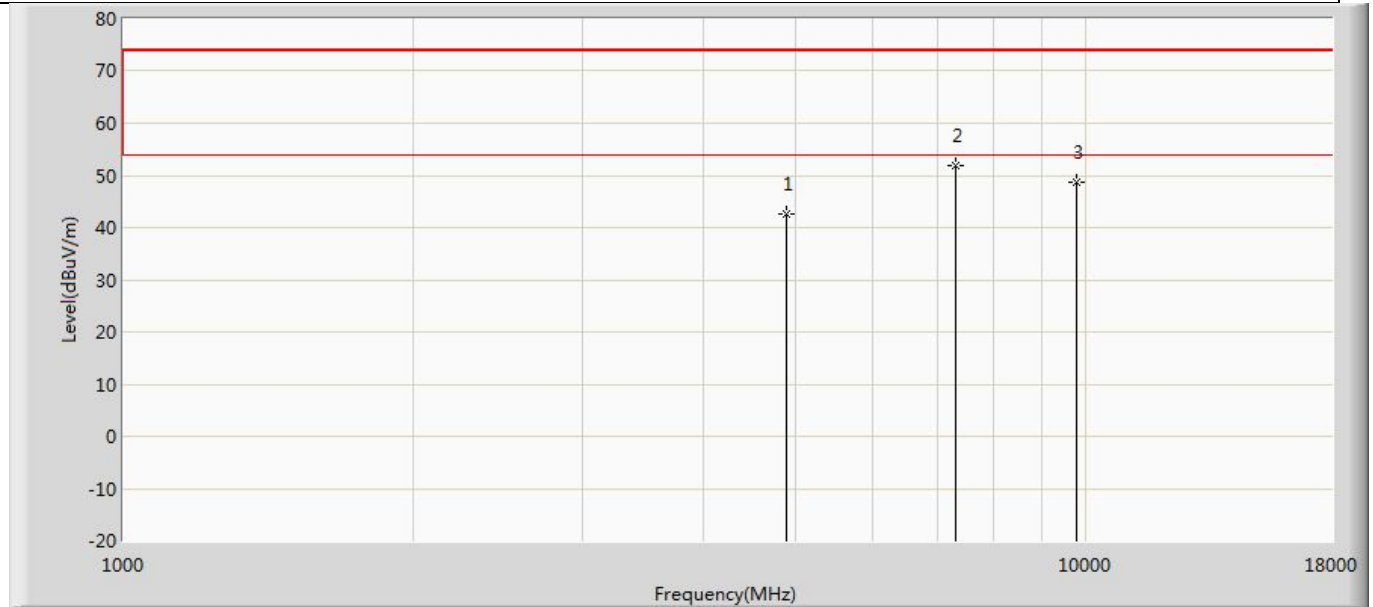
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 41.256                 | 55.923               | -32.744         | 74.000         | -14.667     | PK   |
| 2  | *    | 7205.000        | 51.247                 | 60.956               | -22.753         | 74.000         | -9.710      | PK   |
| 3  |      | 9608.000        | 49.853                 | 55.488               | -24.147         | 74.000         | -5.635      | PK   |

|  |                          |
|--|--------------------------|
| Profile: 2320237R                              | Page No.: 32             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2023/02/21 - 22:16 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Vertical       |
| EUT: LED Lamp                                  | Power: 12Vac             |
| Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps |                          |



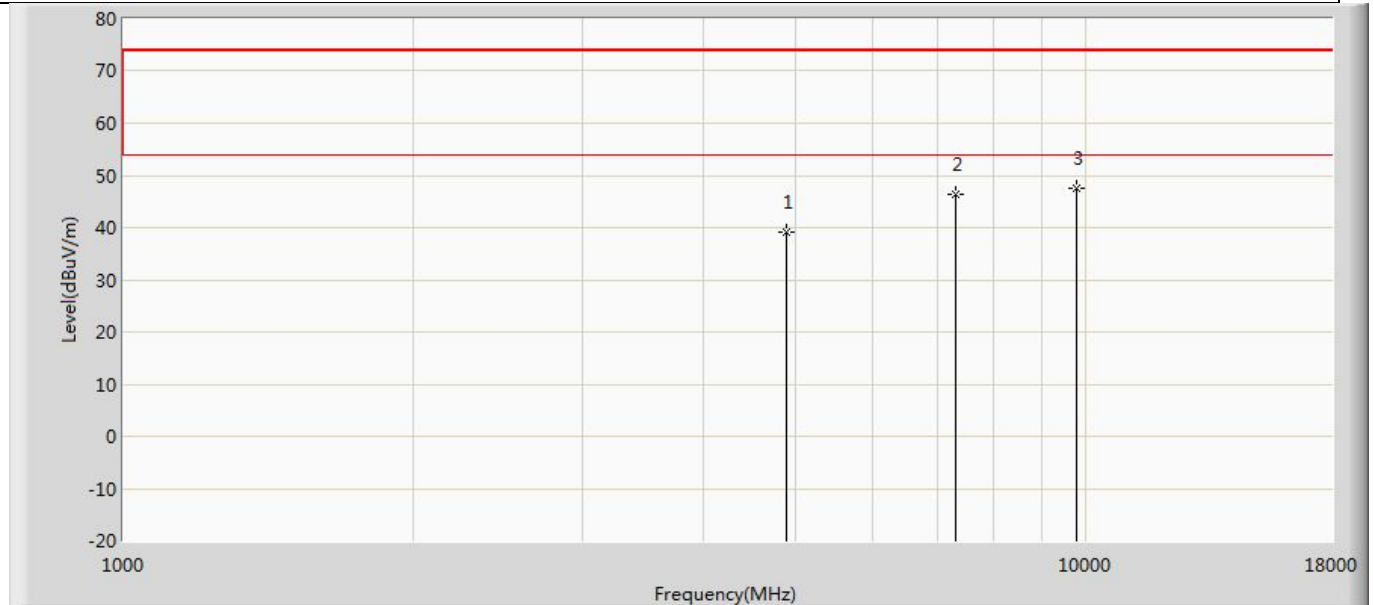
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 41.709                 | 56.376               | -32.291         | 74.000         | -14.667     | PK   |
| 2  |      | 7206.000        | 46.334                 | 56.050               | -27.666         | 74.000         | -9.716      | PK   |
| 3  | *    | 9608.000        | 49.630                 | 55.265               | -24.370         | 74.000         | -5.635      | PK   |

|  |                          |
|--|--------------------------|
| Profile: 2320237R                              | Page No.: 33             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2023/02/21 - 22:17 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Horizontal     |
| EUT: LED Lamp                                  | Power: 12Vac             |
| Note: Mode 1 : Transmit at 2440MHz by LE_1Mbps |                          |



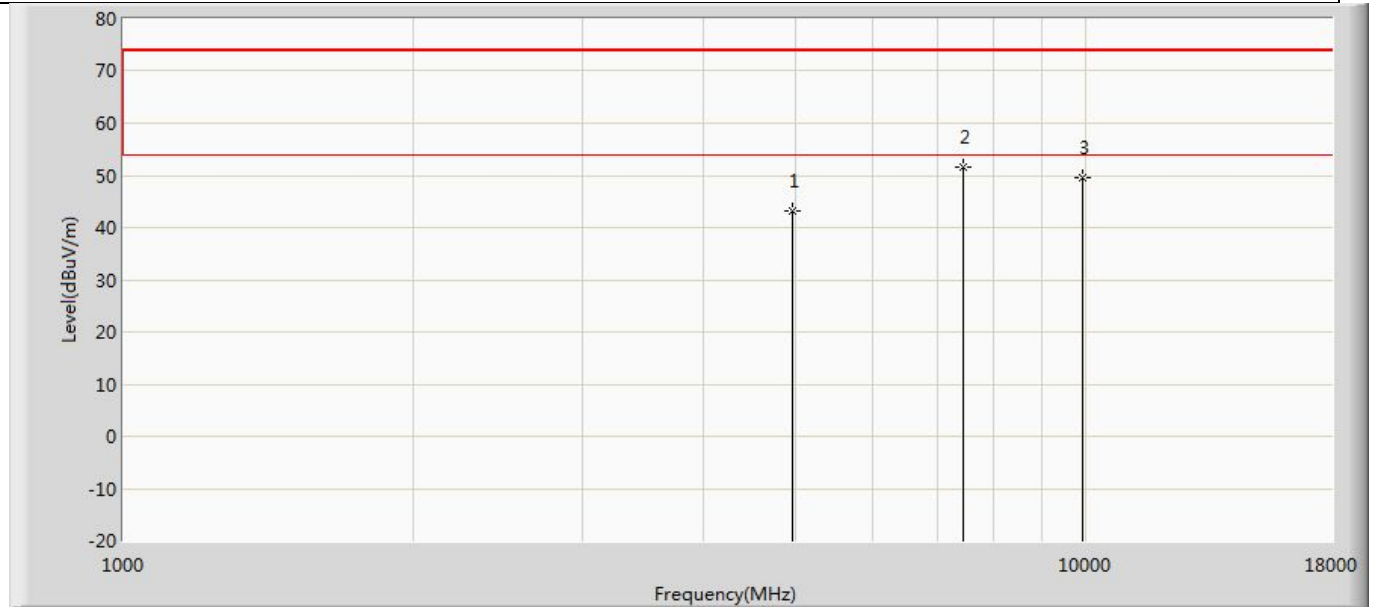
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4880.000        | 42.544                 | 56.838               | -31.456         | 74.000         | -14.294     | PK   |
| 2  | *    | 7324.000        | 51.813                 | 61.539               | -22.187         | 74.000         | -9.726      | PK   |
| 3  |      | 9760.000        | 48.800                 | 54.351               | -25.200         | 74.000         | -5.550      | PK   |

|  |                          |
|--|--------------------------|
| Profile: 2320237R                              | Page No.: 34             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2023/02/21 - 22:17 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Vertical       |
| EUT: LED Lamp                                  | Power: 12Vac             |
| Note: Mode 1 : Transmit at 2440MHz by LE_1Mbps |                          |



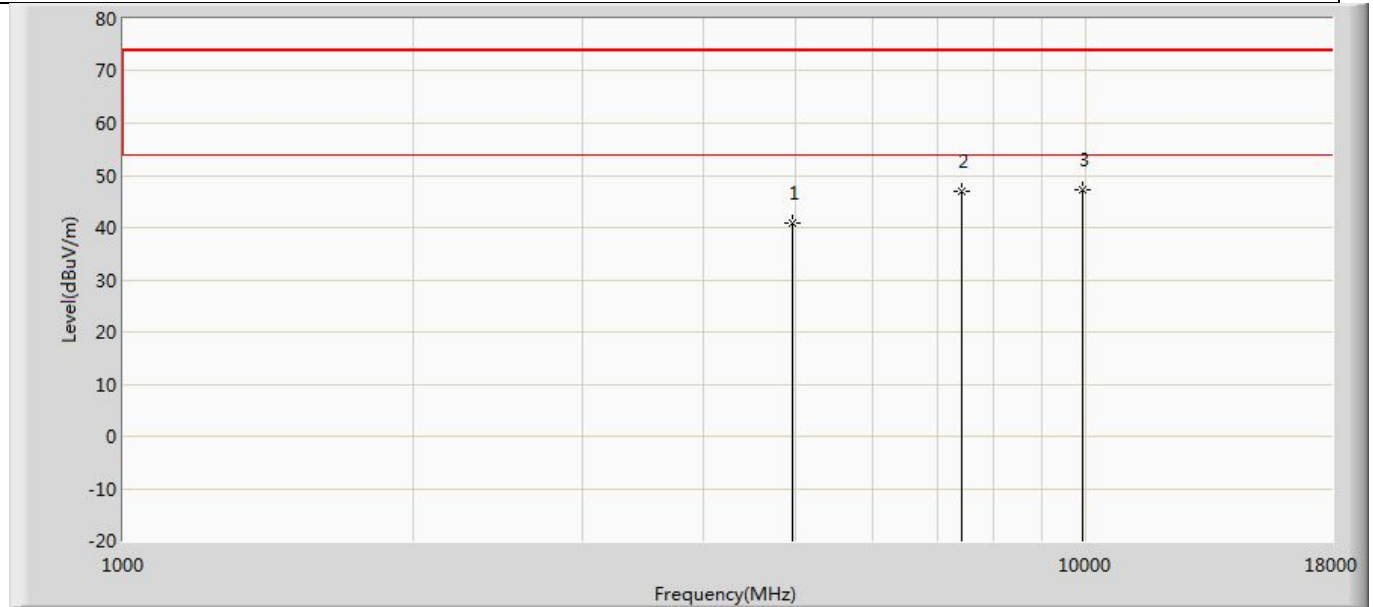
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4880.000        | 39.095                 | 53.389               | -34.905         | 74.000         | -14.294     | PK   |
| 2  |      | 7320.000        | 46.379                 | 56.111               | -27.621         | 74.000         | -9.732      | PK   |
| 3  | *    | 9760.000        | 47.405                 | 52.956               | -26.595         | 74.000         | -5.550      | PK   |

|  |                          |
|--|--------------------------|
| Profile: 2320237R                              | Page No.: 35             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2023/02/21 - 22:17 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Horizontal     |
| EUT: LED Lamp                                  | Power: 12Vac             |
| Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps |                          |



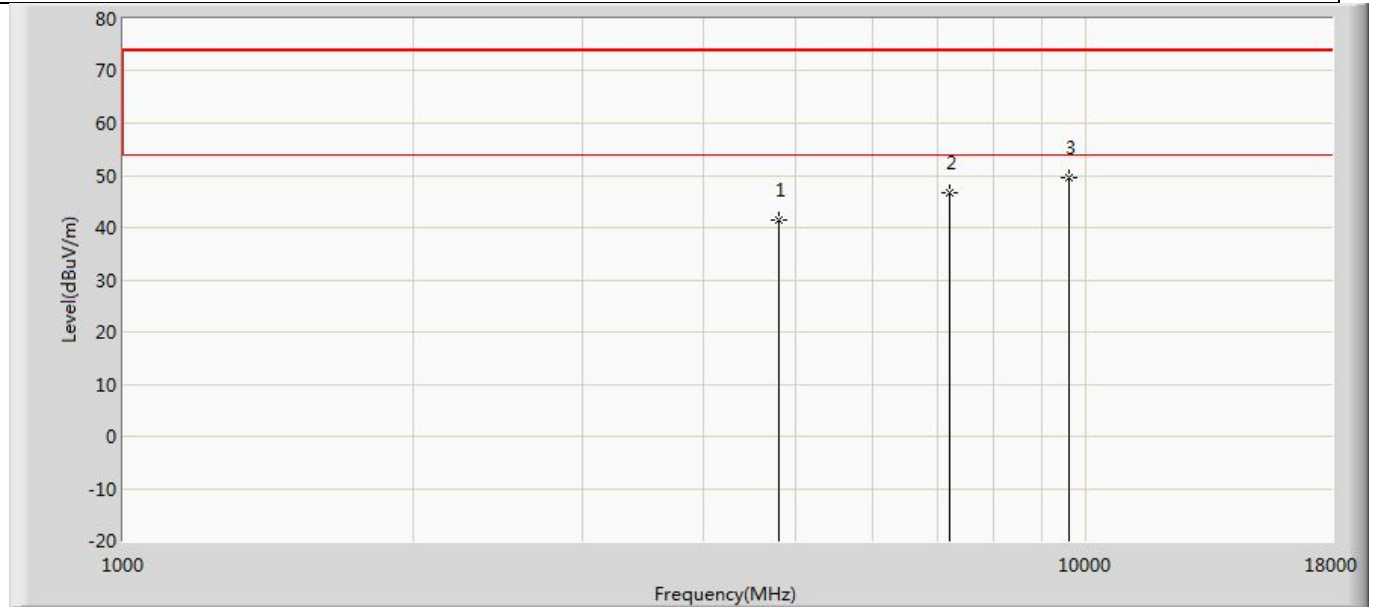
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4960.000        | 43.283                 | 57.434               | -30.717         | 74.000         | -14.151     | PK   |
| 2  | *    | 7443.000        | 51.601                 | 61.021               | -22.399         | 74.000         | -9.421      | PK   |
| 3  |      | 9920.000        | 49.438                 | 54.350               | -24.562         | 74.000         | -4.913      | PK   |

|  |                          |
|--|--------------------------|
| Profile: 2320237R                              | Page No.: 36             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2023/02/21 - 22:17 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Vertical       |
| EUT: LED Lamp                                  | Power: 12Vac             |
| Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps |                          |



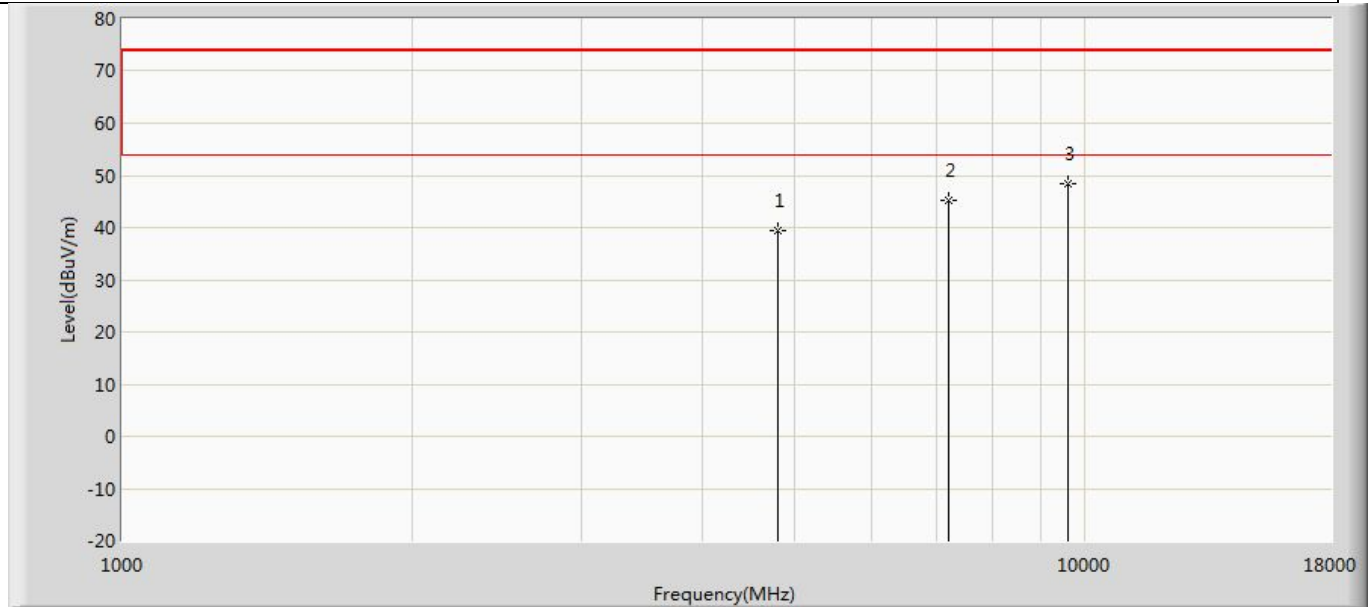
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4960.000        | 40.849                 | 55.000               | -33.151         | 74.000         | -14.151     | PK   |
| 2  |      | 7440.000        | 47.081                 | 56.443               | -26.919         | 74.000         | -9.362      | PK   |
| 3  | *    | 9920.000        | 47.145                 | 52.057               | -26.855         | 74.000         | -4.913      | PK   |

|  |                          |
|--|--------------------------|
| Profile: 2320237R                              | Page No.: 37             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2023/02/21 - 22:17 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Horizontal     |
| EUT: LED Lamp                                  | Power: 12Vac             |
| Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 41.491                 | 56.158               | -32.509         | 74.000         | -14.667     | PK   |
| 2  |      | 7206.000        | 46.626                 | 56.342               | -27.374         | 74.000         | -9.716      | PK   |
| 3  | *    | 9608.000        | 49.647                 | 55.282               | -24.353         | 74.000         | -5.635      | PK   |

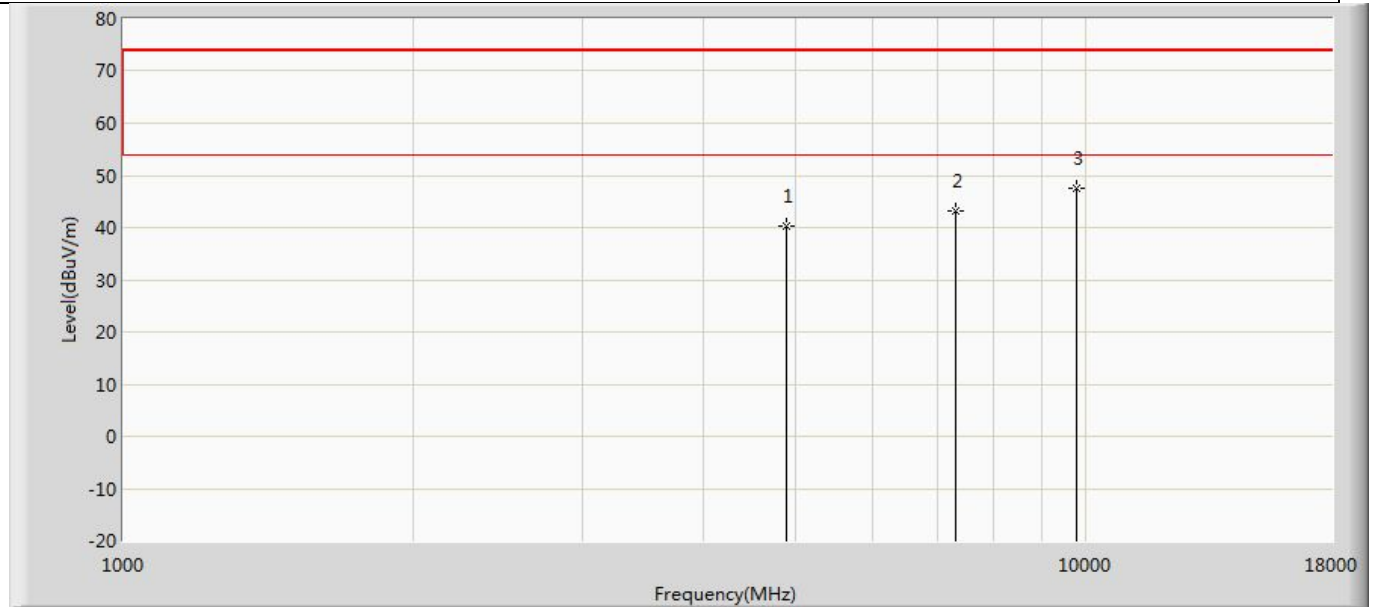
|  |                          |
|--|--------------------------|
| Profile: 2320237R                              | Page No.: 38             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2023/02/21 - 22:17 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Vertical       |
| EUT: LED Lamp                                  | Power: 12Vac             |
| Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4804.000        | 39.352                 | 54.019               | -34.648         | 74.000         | -14.667     | PK   |
| 2  |      | 7206.000        | 45.078                 | 54.794               | -28.922         | 74.000         | -9.716      | PK   |
| 3  | *    | 9608.000        | 48.504                 | 54.139               | -25.496         | 74.000         | -5.635      | PK   |



|  |                          |
|--|--------------------------|
| Profile: 2320237R                              | Page No.: 39             |
| Engineer: Yu Liu                               |                          |
| Site: AC5                                      | Time: 2023/02/21 - 22:17 |
| Limit: FCC_Part15.209_RE(3m)                   | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)2022         | Polarity: Horizontal     |
| EUT: LED Lamp                                  | Power: 12Vac             |
| Note: Mode 2 : Transmit at 2440MHz by LE_2Mbps |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4880.000        | 40.333                 | 54.627               | -33.667         | 74.000         | -14.294     | PK   |
| 2  |      | 7320.000        | 43.308                 | 53.040               | -30.692         | 74.000         | -9.732      | PK   |
| 3  | *    | 9760.000        | 47.657                 | 53.208               | -26.343         | 74.000         | -5.550      | PK   |