

# APPENDIX REPORT

|                 |                 |                     |               |
|-----------------|-----------------|---------------------|---------------|
| Project No.     | SHT2510024301W  | Radio Specification | Bluetooth BLE |
| Test sample No. | YPHT25100243005 | Model No.           | TE103         |
| Start test date | 2025-12-29      | Finish date         | 2025-12-29    |
| Temperature     | 21.7℃           | Humidity            | 42%           |
| Test Engineer   | Xiangyu Wei     | Auditor             | Xiaodong Zhao |

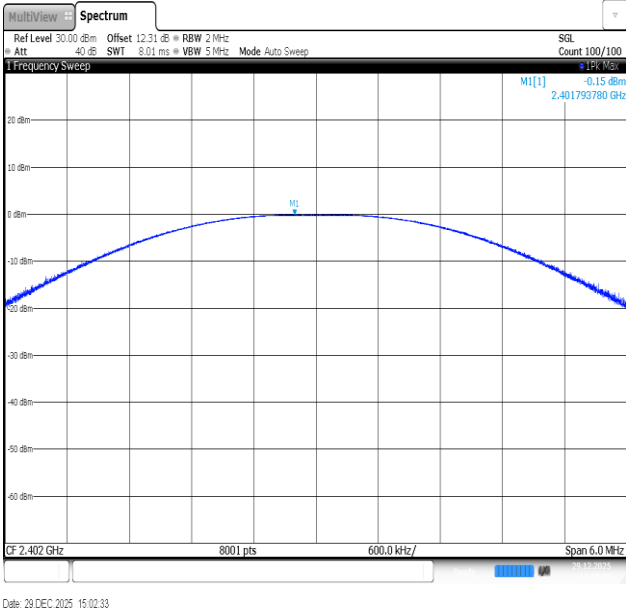
| Appendix clause | Test item                                  | Result |
|-----------------|--------------------------------------------|--------|
| A               | Peak Output Power                          | PASS   |
| B               | Power Spectral Density                     | PASS   |
| C               | 6db Bandwidth                              | PASS   |
| D               | 99% Occupied Bandwidth                     | PASS   |
| E               | Duty Cycle                                 | PASS   |
| F               | Band edge and Spurious Emission(Conducted) | PASS   |

# Appendix A: Peak Output Power

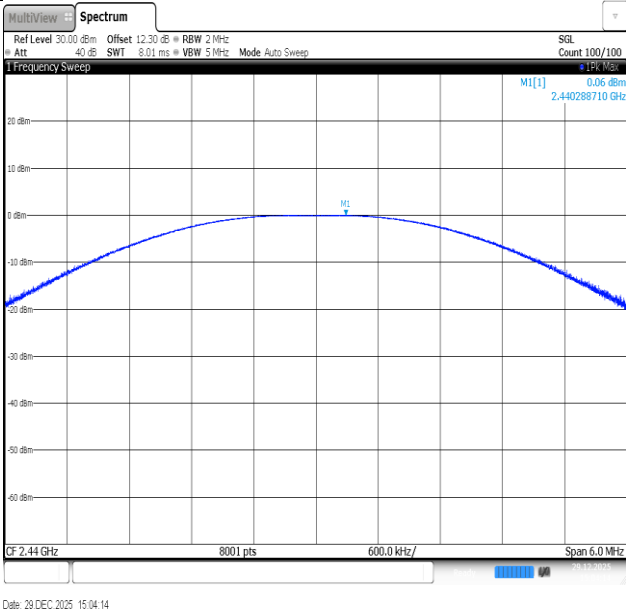
## Test Result Peak

| TestMode | Frequency[MHz] | Conducted Peak Powert[dBm] | Conducted Limit[dBm] | Verdict |
|----------|----------------|----------------------------|----------------------|---------|
| BLE_1M   | 2402           | -0.15                      | ≤30                  | PASS    |
| BLE_1M   | 2440           | 0.06                       | ≤30                  | PASS    |
| BLE_1M   | 2480           | -0.03                      | ≤30                  | PASS    |
| BLE_2M   | 2402           | -0.14                      | ≤30                  | PASS    |
| BLE_2M   | 2440           | 0.03                       | ≤30                  | PASS    |
| BLE_2M   | 2480           | 0.03                       | ≤30                  | PASS    |

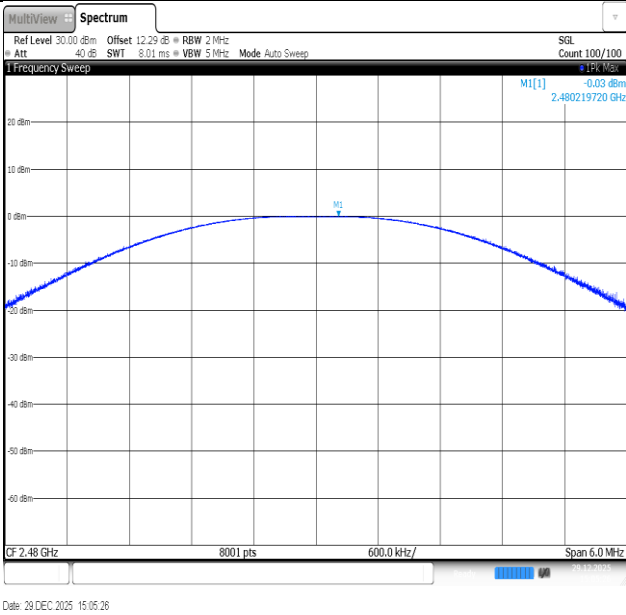
Test Graphs Peak



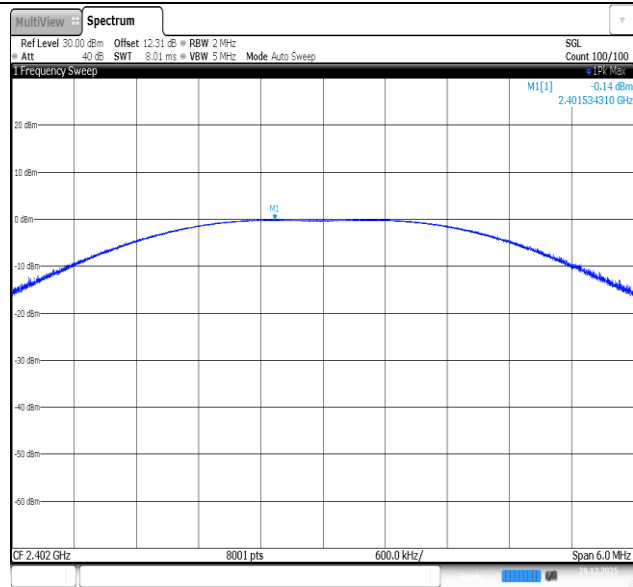
BLE\_1M-2402-PASS



BLE\_1M-2440-PASS

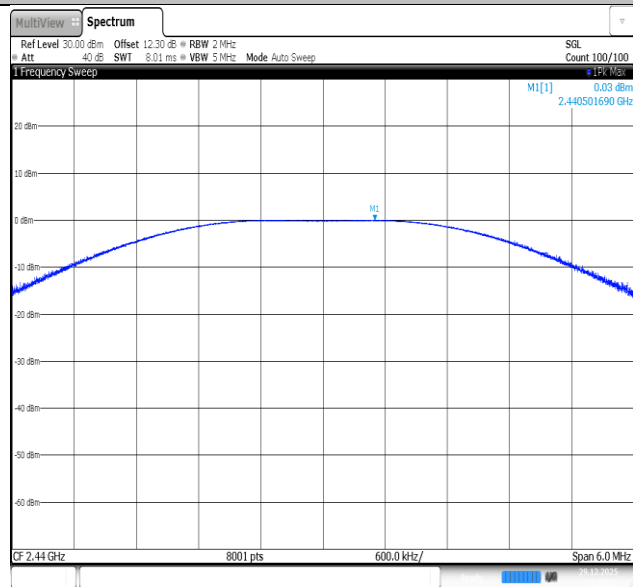


BLE\_1M-2480-PASS



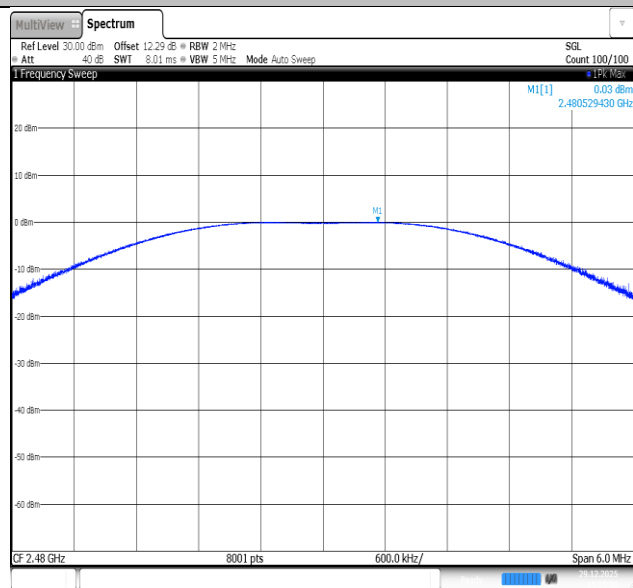
Date: 29 DEC 2025 15:09:10

### BLE\_2M-2402-PASS



Date: 29 DEC 2025 15:12:16

### BLE\_2M-2440-PASS



Date: 29 DEC 2025 15:13:38

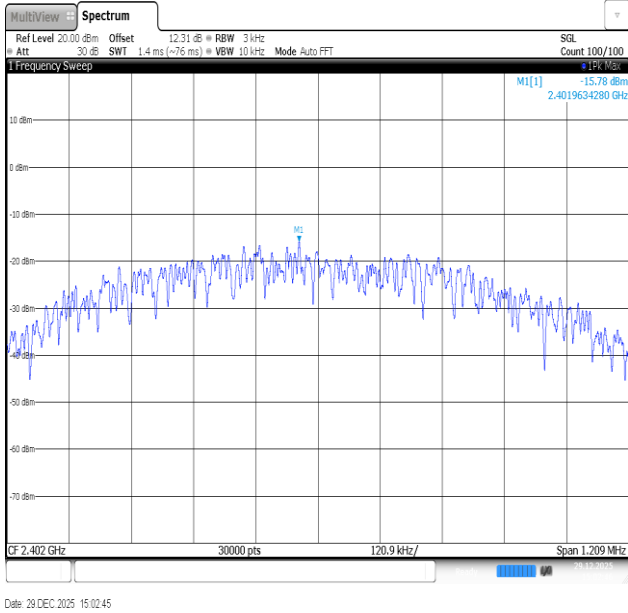
### BLE\_2M-2480-PASS

# Appendix B: Power Spectral Density

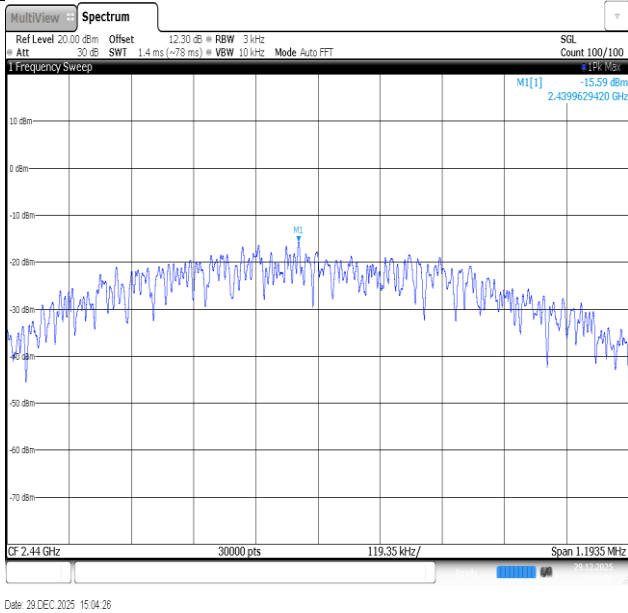
## Test Result

| TestMode | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|----------------|------------------|-----------------|---------|
| BLE_1M   | 2402           | -15.78           | ≤8.00           | PASS    |
| BLE_1M   | 2440           | -15.59           | ≤8.00           | PASS    |
| BLE_1M   | 2480           | -15.63           | ≤8.00           | PASS    |
| BLE_2M   | 2402           | -18.39           | ≤8.00           | PASS    |
| BLE_2M   | 2440           | -18.18           | ≤8.00           | PASS    |
| BLE_2M   | 2480           | -18.30           | ≤8.00           | PASS    |

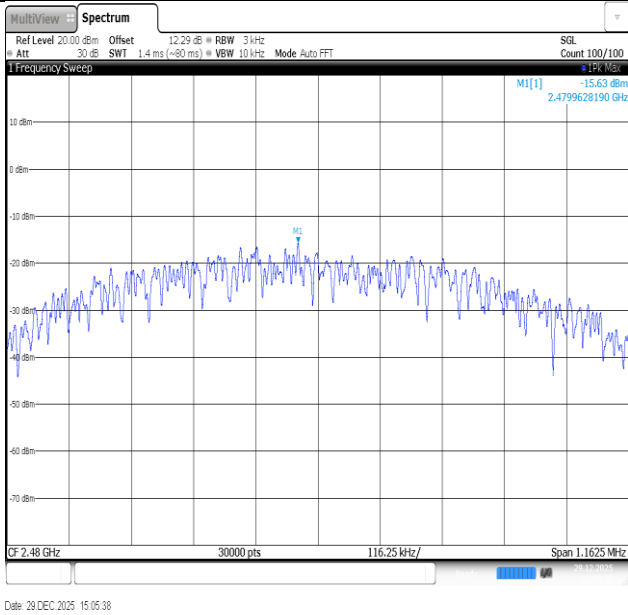
Test Graphs



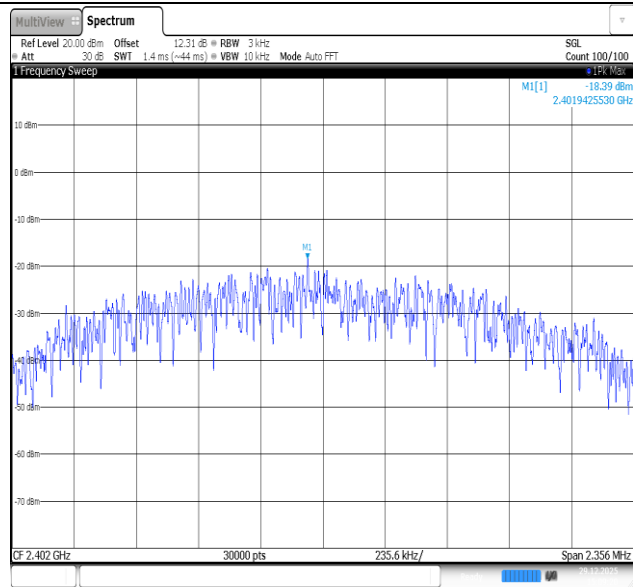
BLE\_1M-2402-PASS



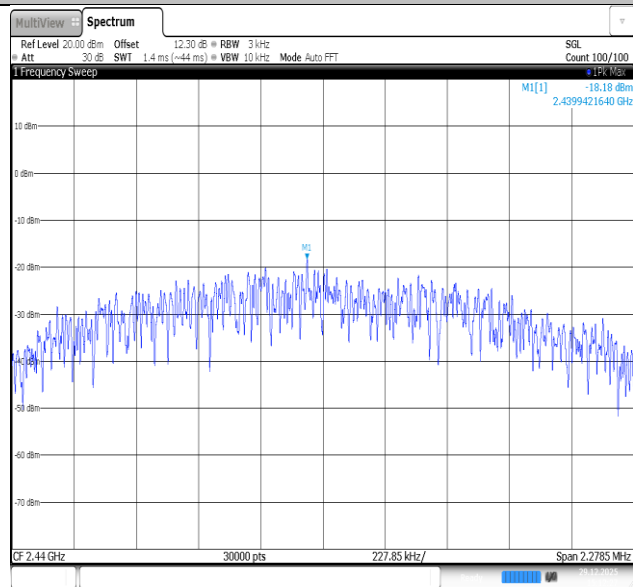
BLE\_1M-2440-PASS



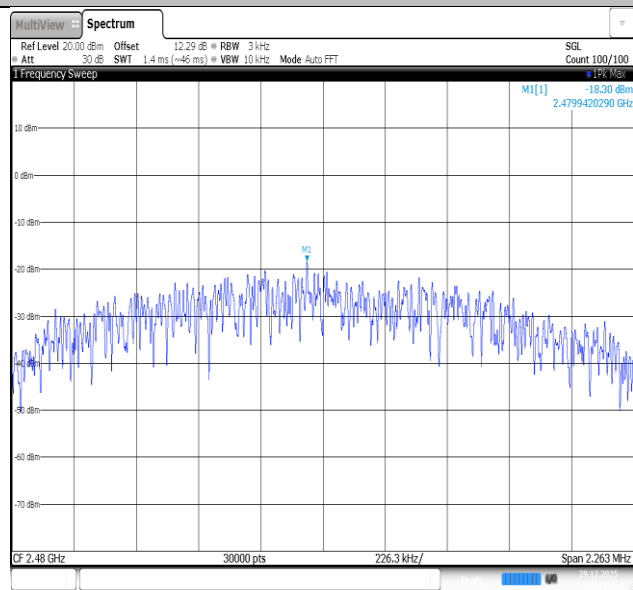
BLE\_1M-2480-PASS



### BLE\_2M-2402-PASS



### BLE\_2M-2440-PASS



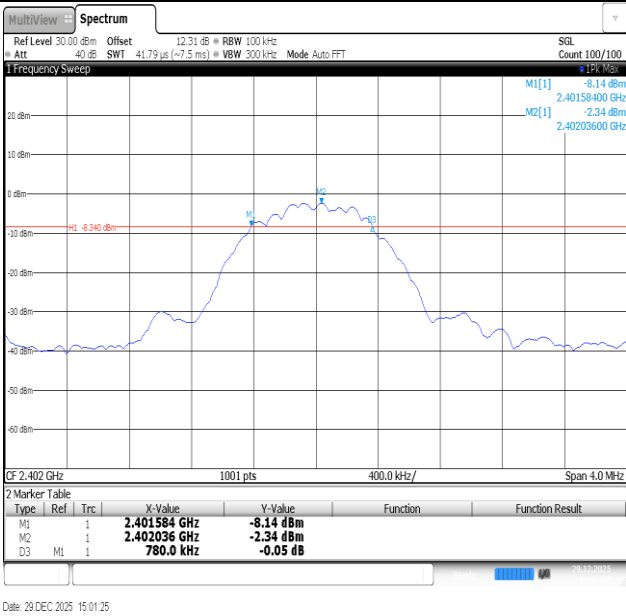
### BLE\_2M-2480-PASS

# Appendix C: 6db Bandwidth

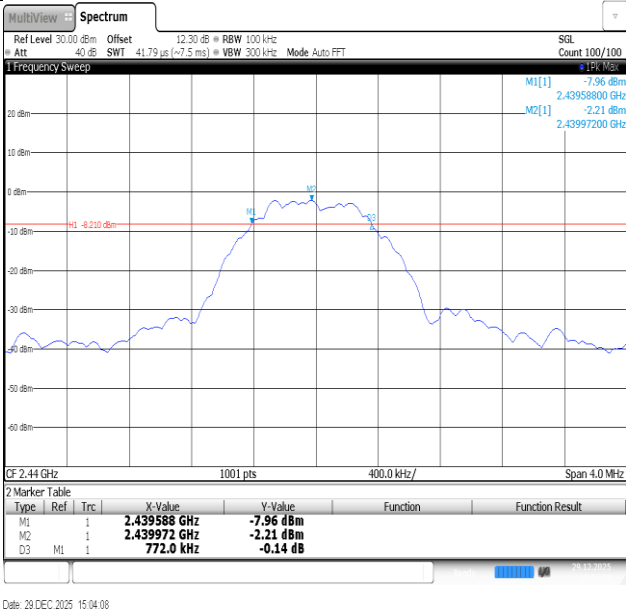
## Test Result

| TestMode | Frequency[MHz] | 6db Bandwidth [MHz] | Limit[MHz] | Verdict |
|----------|----------------|---------------------|------------|---------|
| BLE_1M   | 2402           | 0.78                | 0.5        | PASS    |
| BLE_1M   | 2440           | 0.77                | 0.5        | PASS    |
| BLE_1M   | 2480           | 0.75                | 0.5        | PASS    |
| BLE_2M   | 2402           | 1.52                | 0.5        | PASS    |
| BLE_2M   | 2440           | 1.47                | 0.5        | PASS    |
| BLE_2M   | 2480           | 1.46                | 0.5        | PASS    |

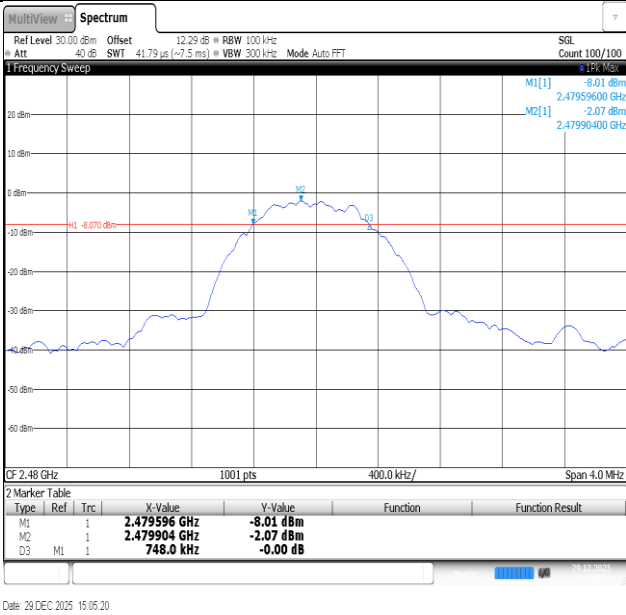
Test Graphs



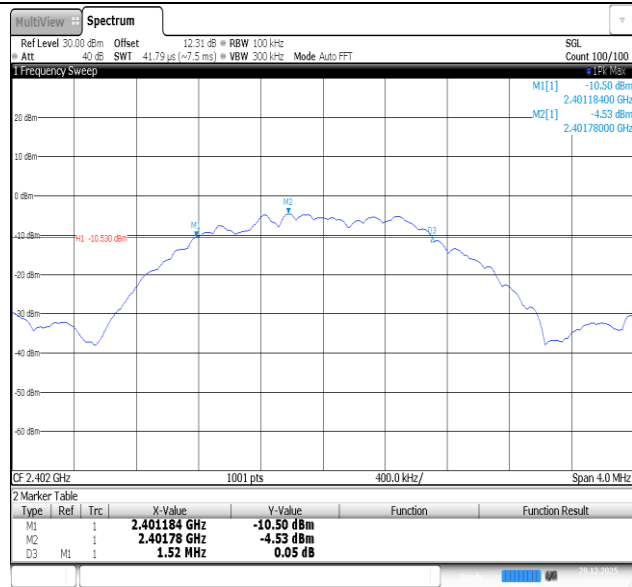
BLE\_1M-2402-PASS



BLE\_1M-2440-PASS

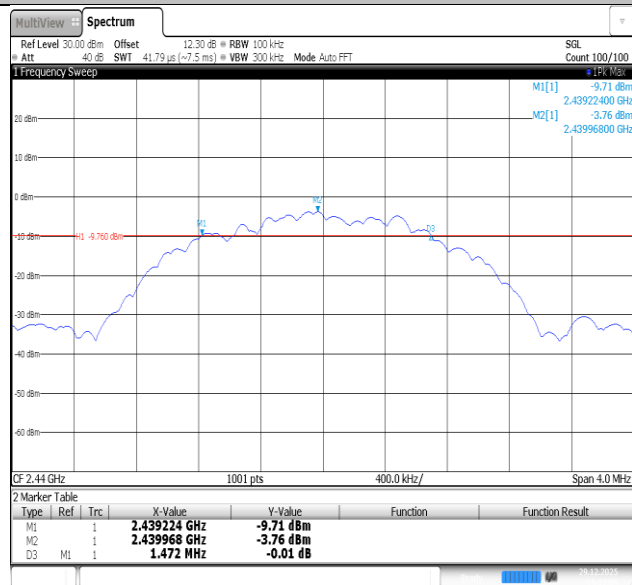


BLE\_1M-2480-PASS



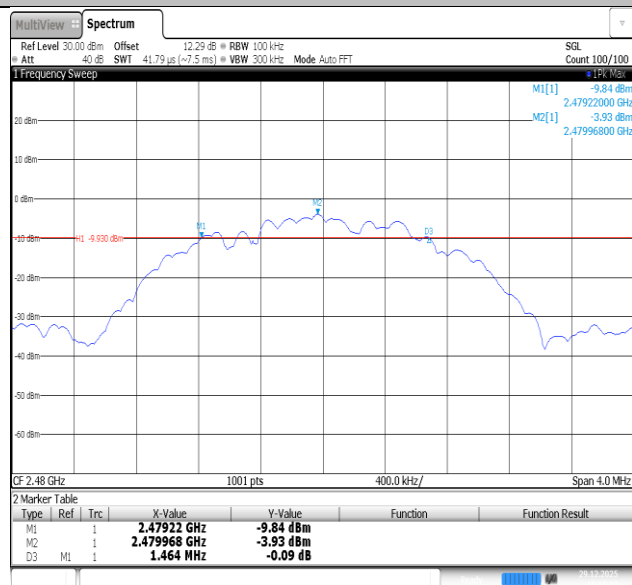
Date: 29 DEC 2025 15:09:04

### BLE\_2M-2402-PASS



Date: 29 DEC 2025 15:12:10

### BLE\_2M-2440-PASS



Date: 29 DEC 2025 15:13:32

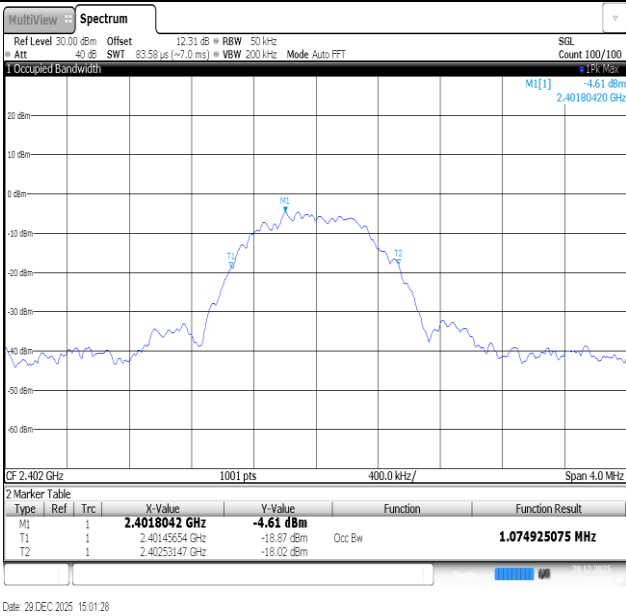
### BLE\_2M-2480-PASS

# Appendix D: 99% Occupied Bandwidth

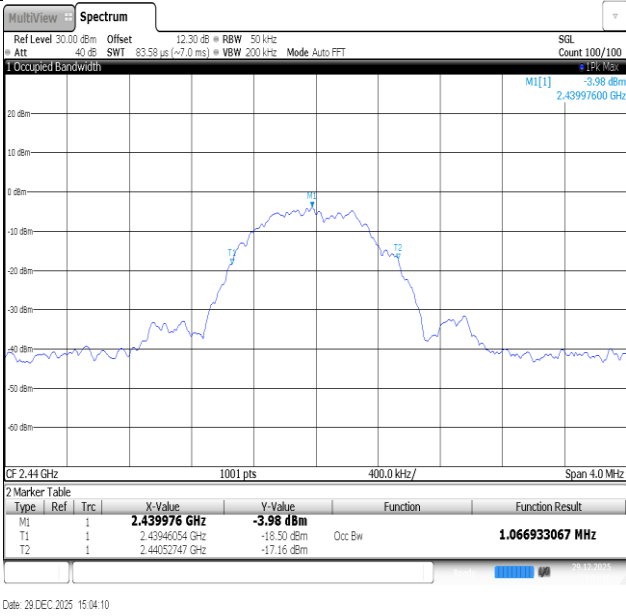
## Test Result

| TestMode | Frequency[MHz] | 99% Occupied Bandwidth [MHz] | Limit[MHz] | Verdict |
|----------|----------------|------------------------------|------------|---------|
| BLE_1M   | 2402           | 1.0749                       | ---        | ---     |
| BLE_1M   | 2440           | 1.0669                       | ---        | ---     |
| BLE_1M   | 2480           | 1.0829                       | ---        | ---     |
| BLE_2M   | 2402           | 2.1019                       | ---        | ---     |
| BLE_2M   | 2440           | 2.1059                       | ---        | ---     |
| BLE_2M   | 2480           | 2.1179                       | ---        | ---     |

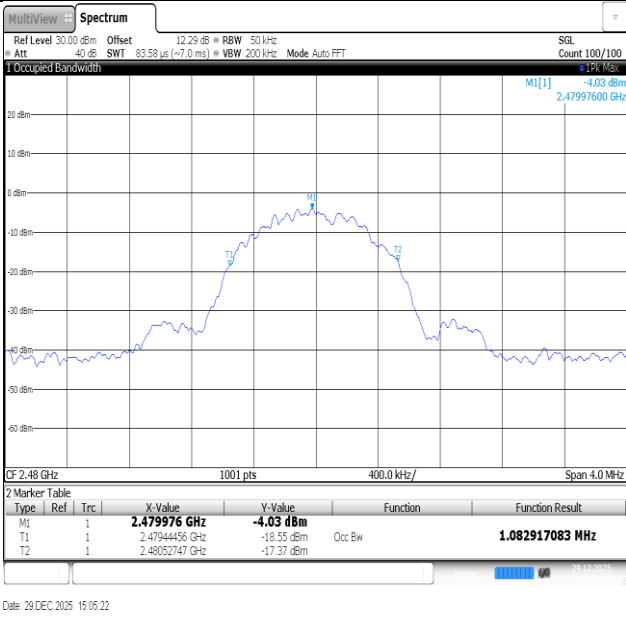
Test Graphs



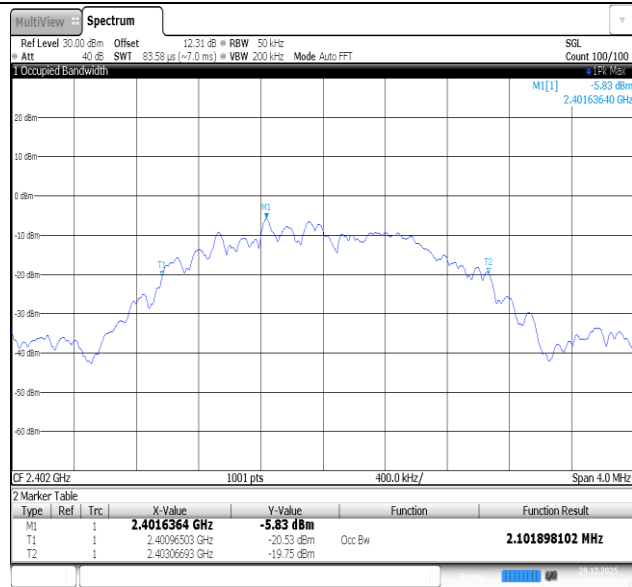
BLE\_1M-2402



BLE\_1M-2440

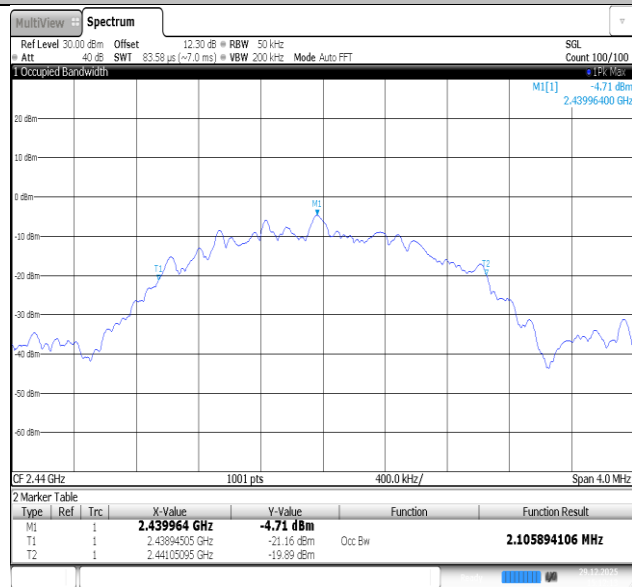


BLE\_1M-2480



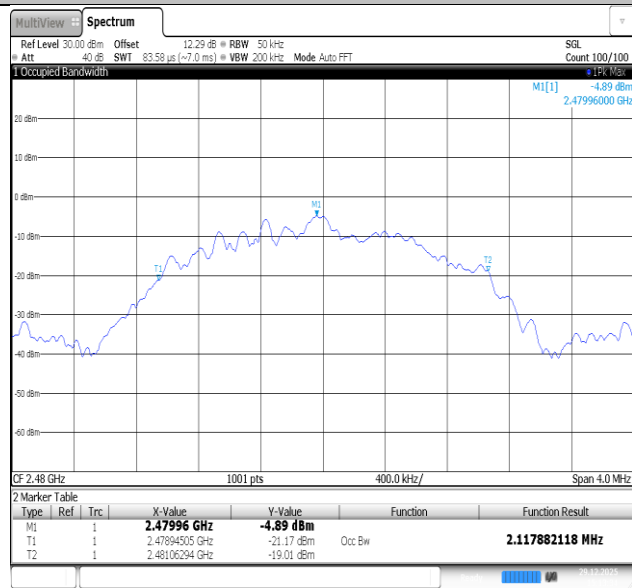
Date: 29 DEC 2025 15:09:06

## BLE\_2M-2402



Date: 29 DEC 2025 15:12:13

## BLE\_2M-2440



Date: 29 DEC 2025 15:13:34

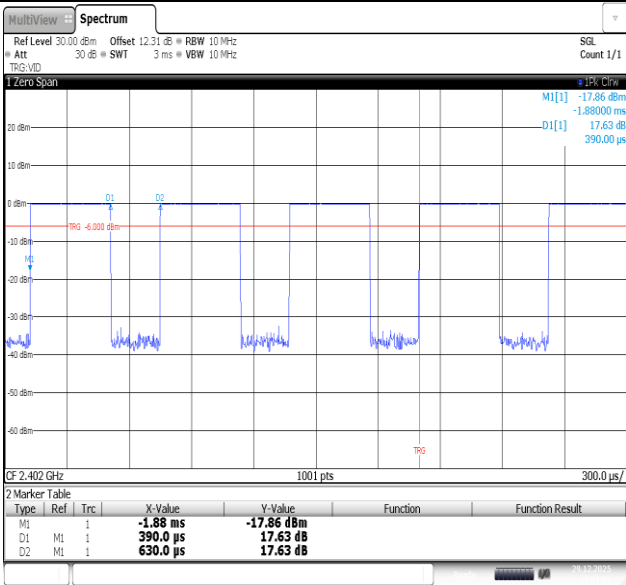
## BLE\_2M-2480

# Appendix E: Duty Cycle

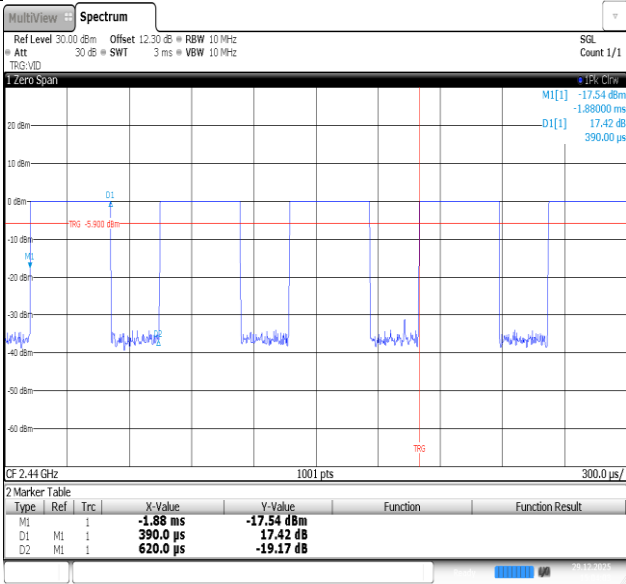
## Test Result

| TestMode | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] | 1/Ton time(kHz) |
|----------|----------------|-----------------|----------------|-------------------|--------------------------|-----------------|
| BLE_1M   | 2402           | 0.39            | 0.63           | 61.90             | 2.08                     | 2.56            |
| BLE_1M   | 2440           | 0.39            | 0.62           | 62.90             | 2.01                     | 2.56            |
| BLE_1M   | 2480           | 0.39            | 0.63           | 61.90             | 2.08                     | 2.56            |
| BLE_2M   | 2402           | 0.20            | 0.62           | 32.26             | 4.91                     | 5.00            |
| BLE_2M   | 2440           | 0.20            | 0.63           | 31.75             | 4.98                     | 5.00            |
| BLE_2M   | 2480           | 0.20            | 0.62           | 32.26             | 4.91                     | 5.00            |

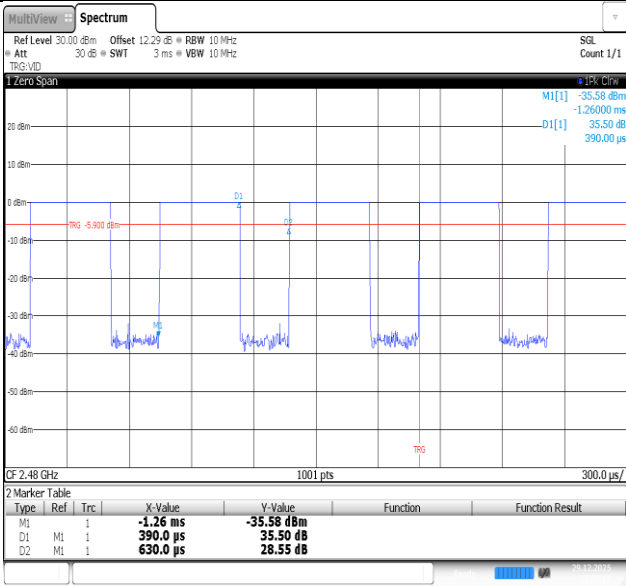
Test Graphs



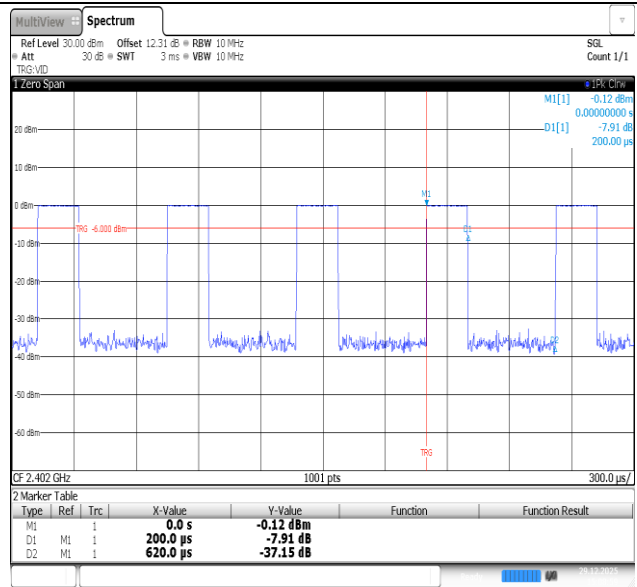
NTNV-BLE\_1M-2402



NTNV-BLE\_1M-2440

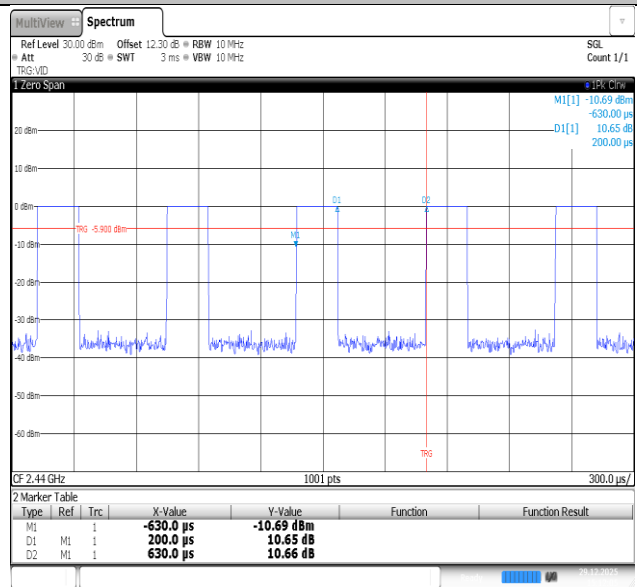


NTNV-BLE\_1M-2480



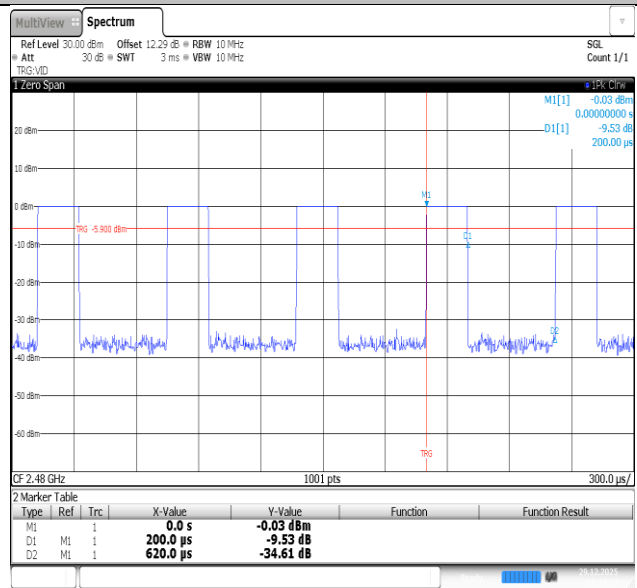
Date: 29 DEC 2025 15:08:59

### NTNV-BLE\_2M-2402



Date: 29 DEC 2025 15:12:05

### NTNV-BLE\_2M-2440

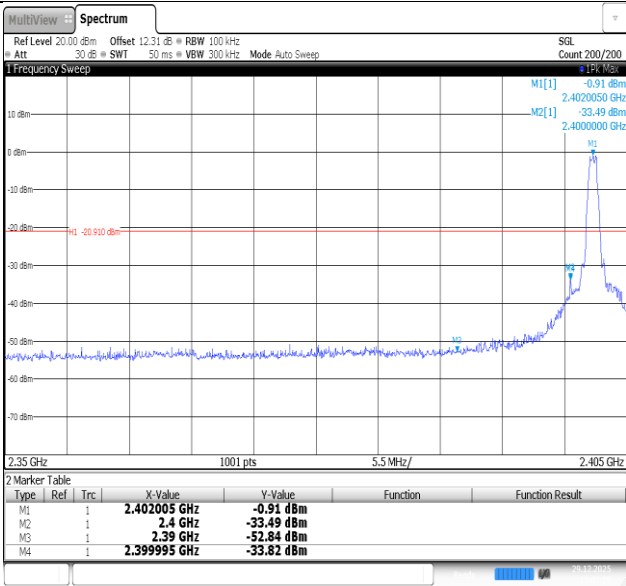


Date: 29 DEC 2025 15:13:27

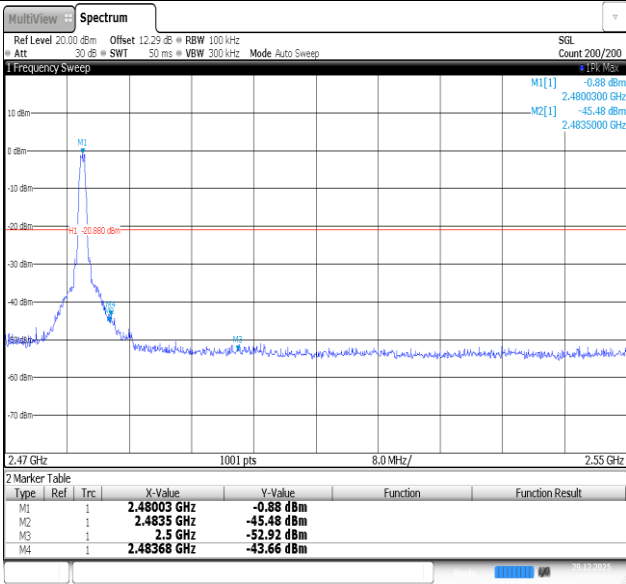
### NTNV-BLE\_2M-2480

# Appendix F: Band edge and Spurious Emission(Conducted)

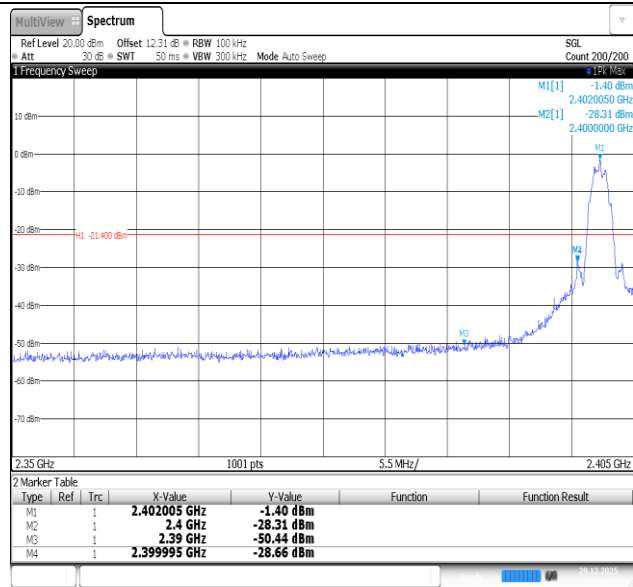
## Test Graphs



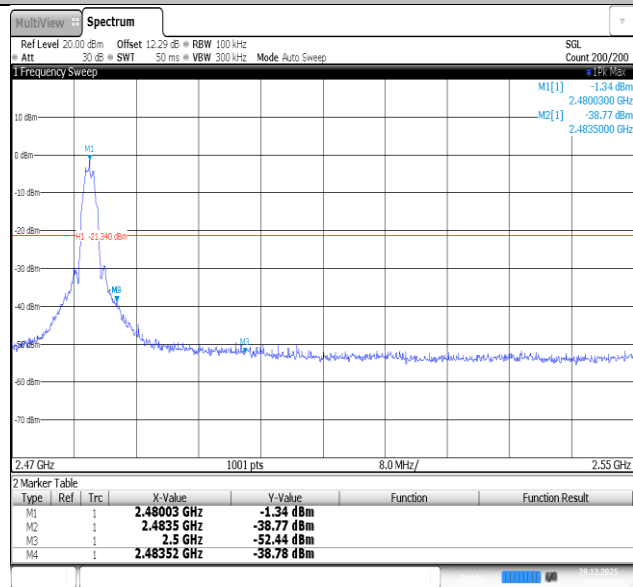
BLE\_1M-2402-PASS



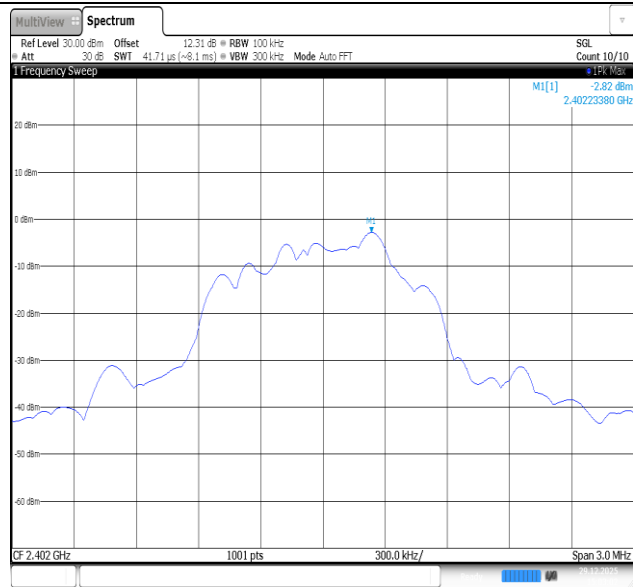
BLE\_1M-2480-PASS



## BLE\_2M-2402-PASS

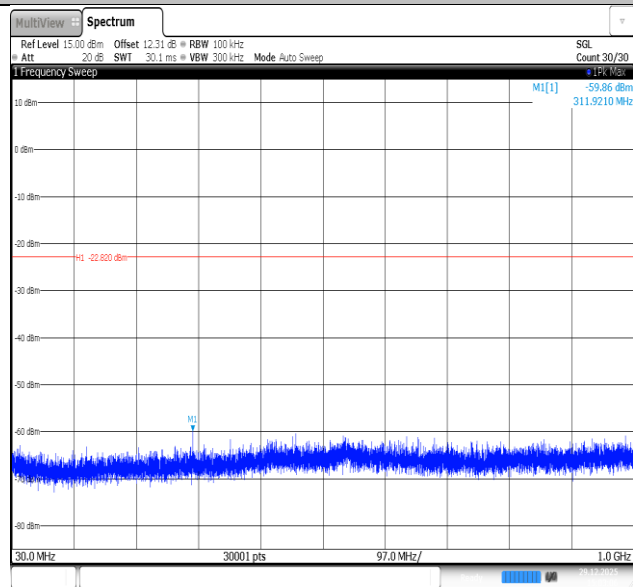


## BLE\_2M-2480-PASS



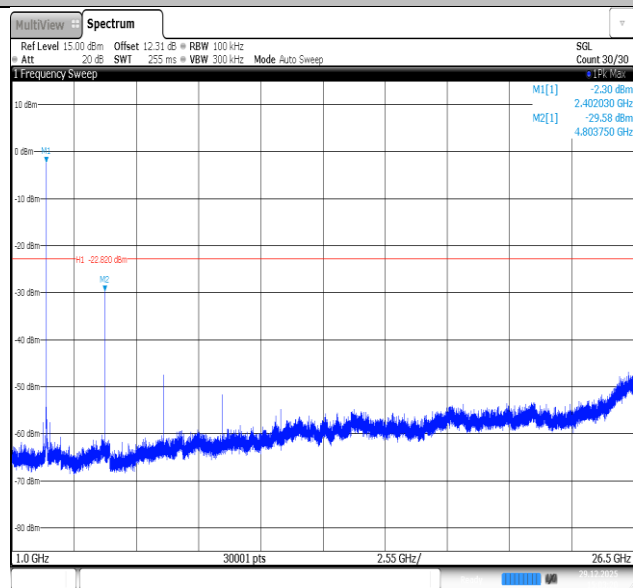
Date: 29 DEC 2025 15:03:02

### BLE\_1M-2402-0~Reference-PASS



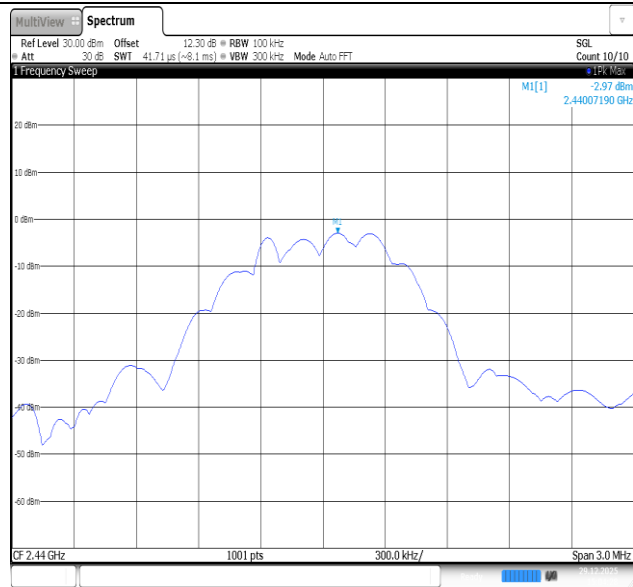
Date: 29 DEC 2025 15:03:07

### BLE\_1M-2402-30~1000-PASS



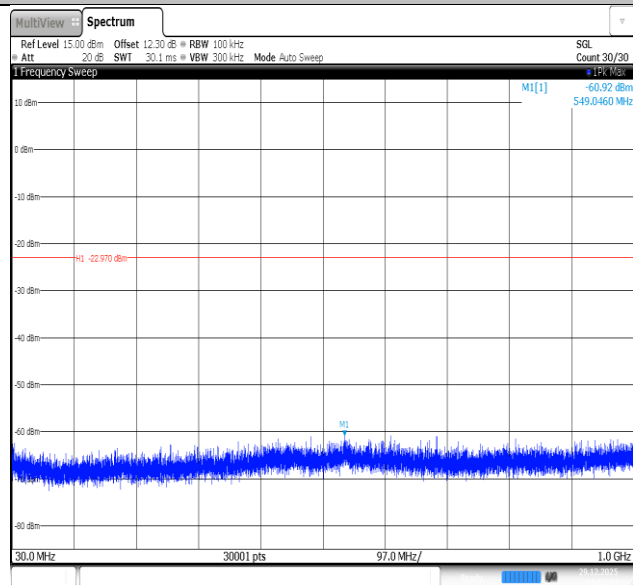
Date: 29 DEC 2025 15:03:21

### BLE\_1M-2402-1000~26500-PASS



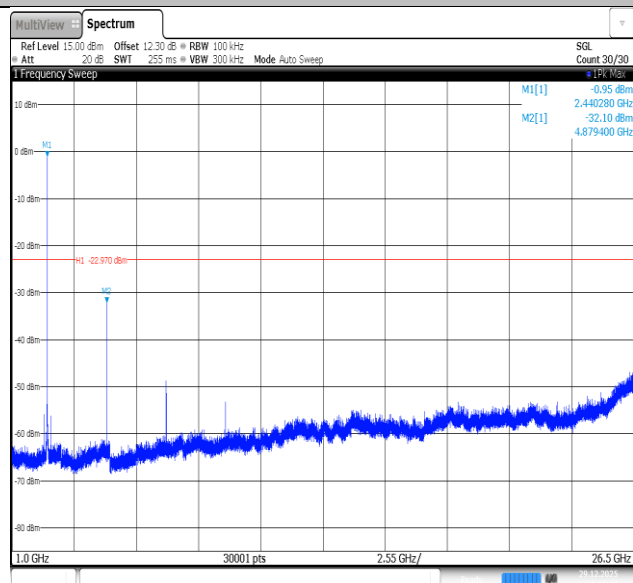
Date: 29 DEC 2025 15:04:29

### BLE\_1M-2440-0~Reference-PASS



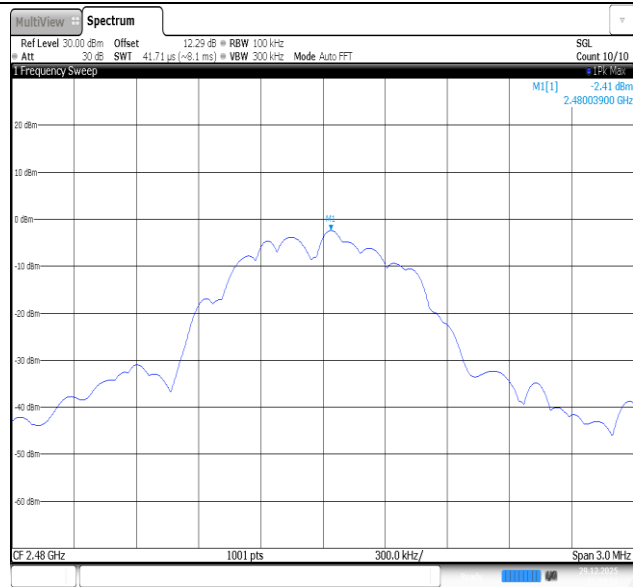
Date: 29 DEC 2025 15:04:34

### BLE\_1M-2440-30~1000-PASS



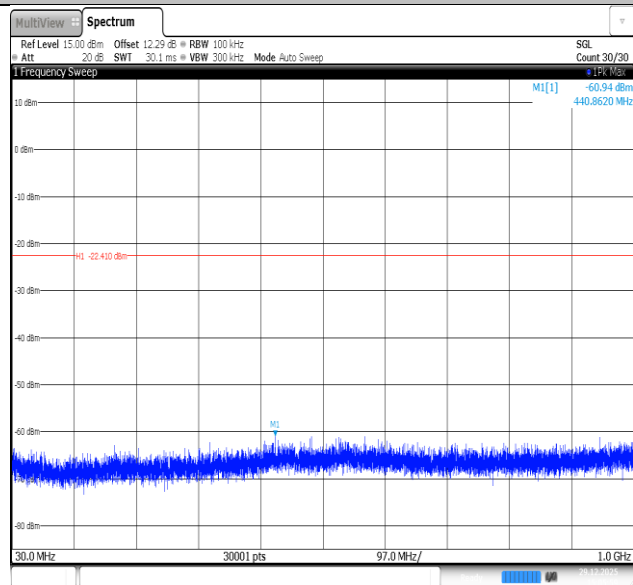
Date: 29 DEC 2025 15:04:48

### BLE\_1M-2440-1000~26500-PASS



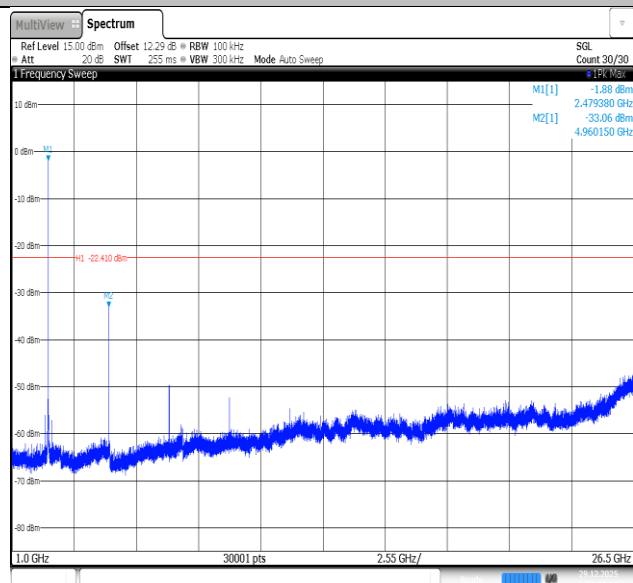
Date: 29 DEC 2025 15:05:55

### BLE\_1M-2480-0~Reference-PASS



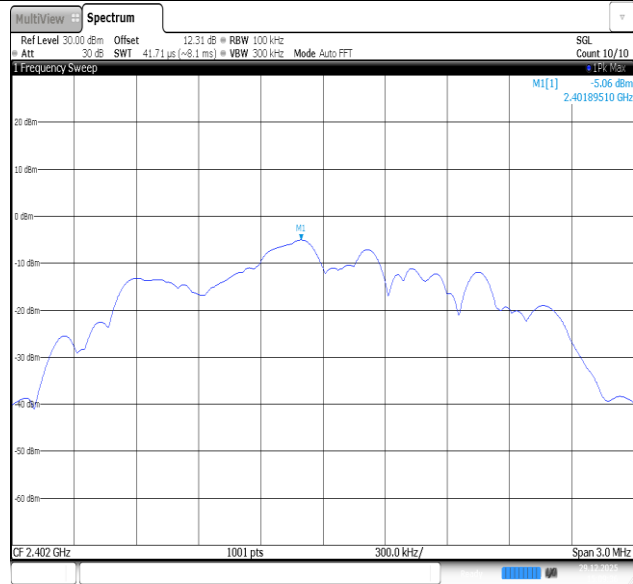
Date: 29 DEC 2025 15:05:59

### BLE\_1M-2480-30~1000-PASS



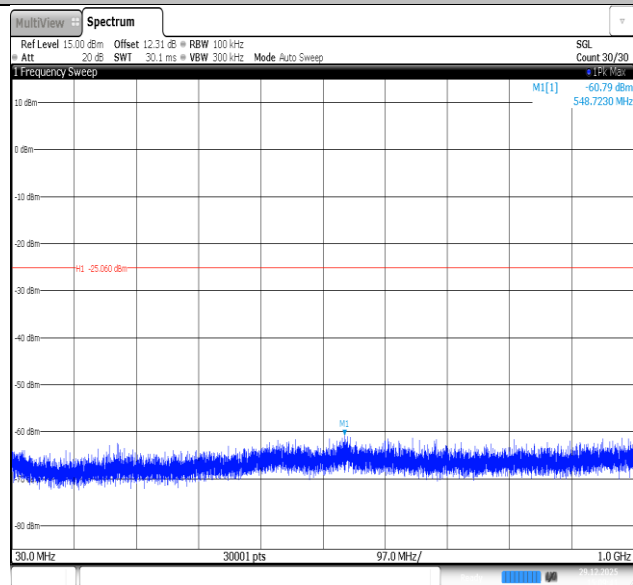
Date: 29 DEC 2025 15:06:13

### BLE\_1M-2480-1000~26500-PASS



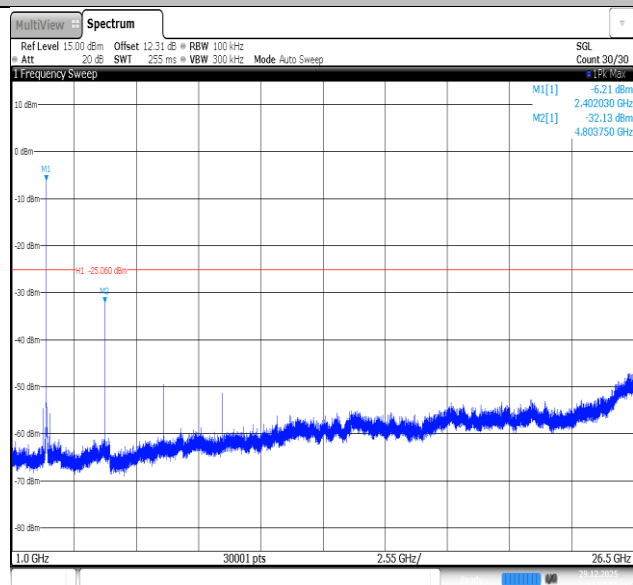
Date: 29 DEC 2025 15:09:36

### BLE\_2M-2402-0~Reference-PASS



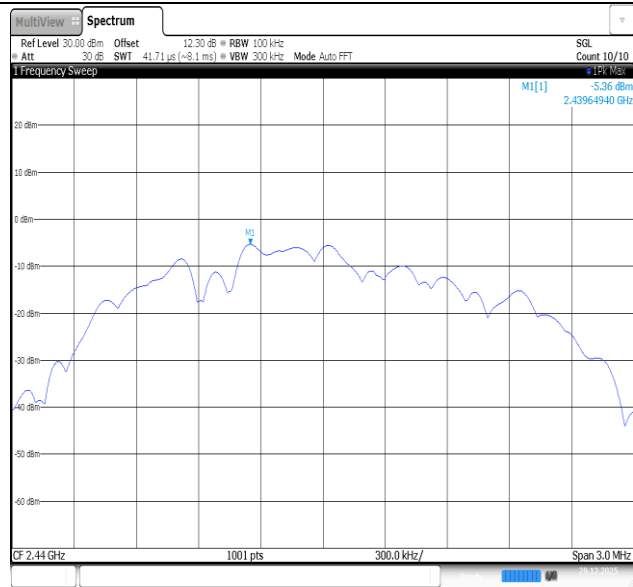
Date: 29 DEC 2025 15:09:41

### BLE\_2M-2402-30~1000-PASS



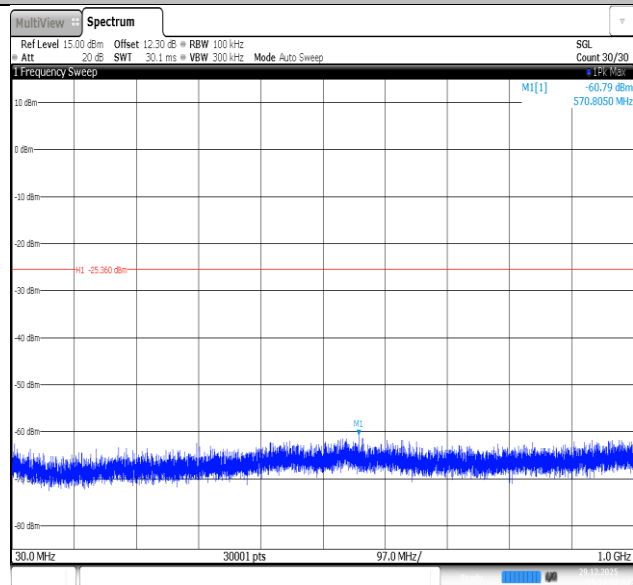
Date: 29 DEC 2025 15:09:55

### BLE\_2M-2402-1000~26500-PASS



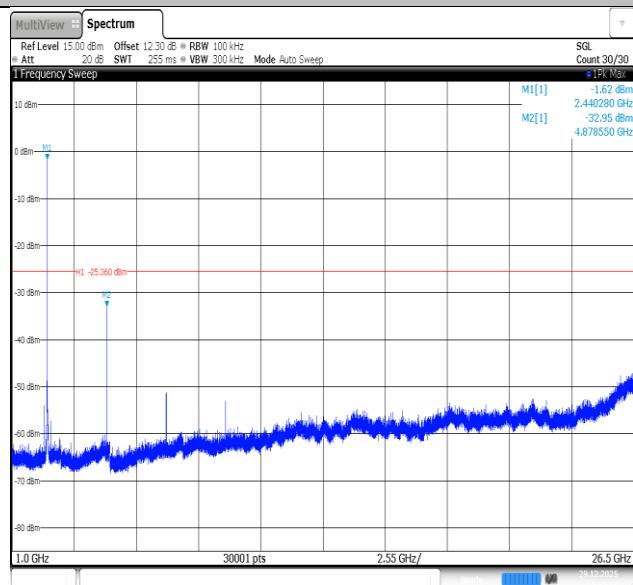
Date: 29 DEC 2025 15:12:29

### BLE\_2M-2440-0~Reference-PASS



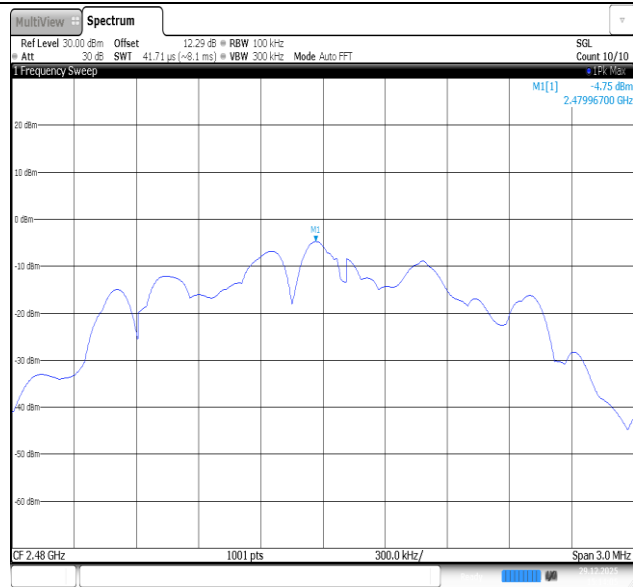
Date: 29 DEC 2025 15:12:34

### BLE\_2M-2440-30~1000-PASS



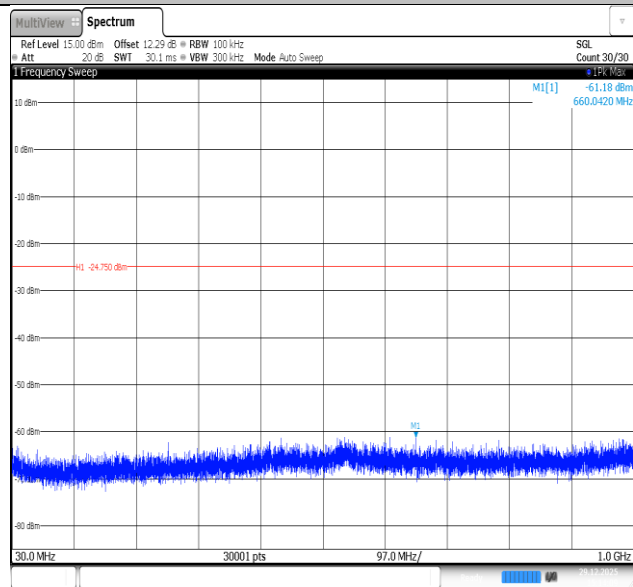
Date: 29 DEC 2025 15:12:48

### BLE\_2M-2440-1000~26500-PASS



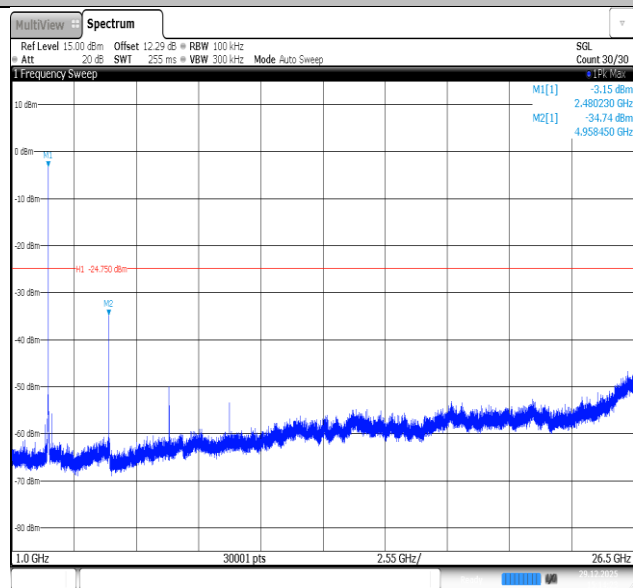
Date: 29 DEC 2025 15:14:05

### BLE\_2M-2480-0~Reference-PASS



Date: 29 DEC 2025 15:14:10

### BLE\_2M-2480-30~1000-PASS



Date: 29 DEC 2025 15:14:24

### BLE\_2M-2480-1000~26500-PASS

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