

## Appendix Test Data

|                  |                   |                    |                    |
|------------------|-------------------|--------------------|--------------------|
| Report No.:      | 1818C50004312501  | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2025.1.10         | Finish Test Date:  | 2025.1.11          |
| Test Engineer:   | <i>Joker Wang</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 23.7°C            | Relative Humidity: | 53%                |
| Pressure:        | 101kPa            |                    |                    |

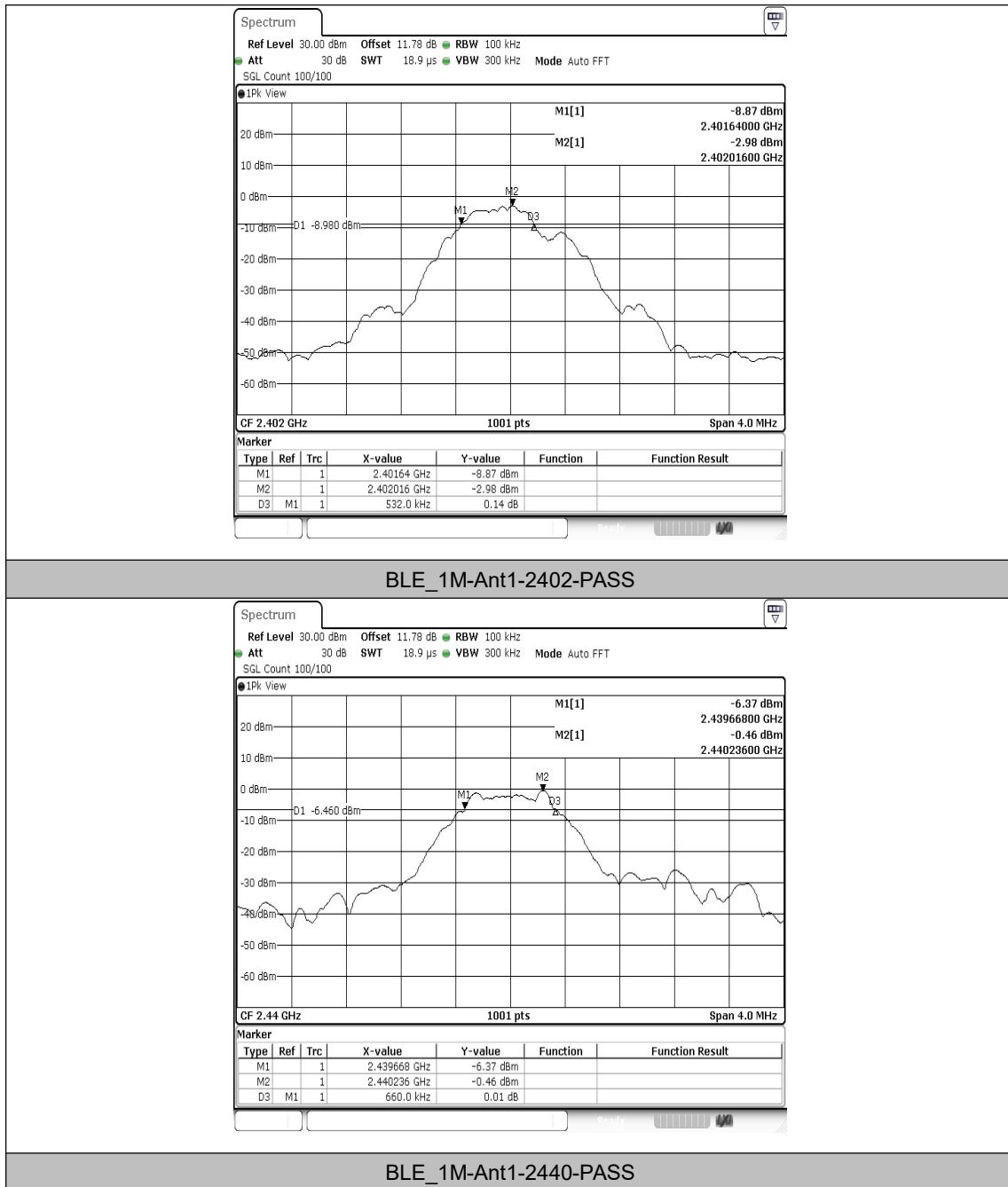
## Appendix A: 6dB Bandwidth

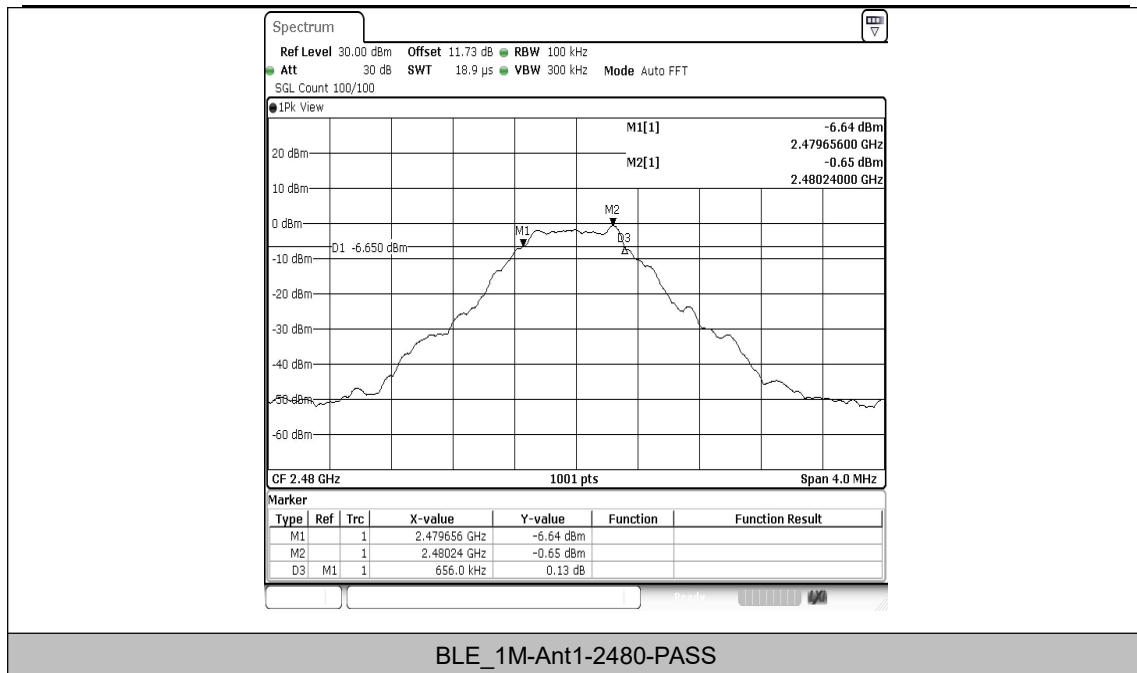
### Test Result

| Test Mode | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|---------|---------|------------|---------|
| BLE_1M    | Ant1    | 2402           | 0.53         | 2401.64 | 2402.17 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2440           | 0.66         | 2439.67 | 2440.33 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2480           | 0.66         | 2479.66 | 2480.31 | 0.5        | PASS    |



## Test Graphs





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## Appendix B: 99% Occupied Bandwidth

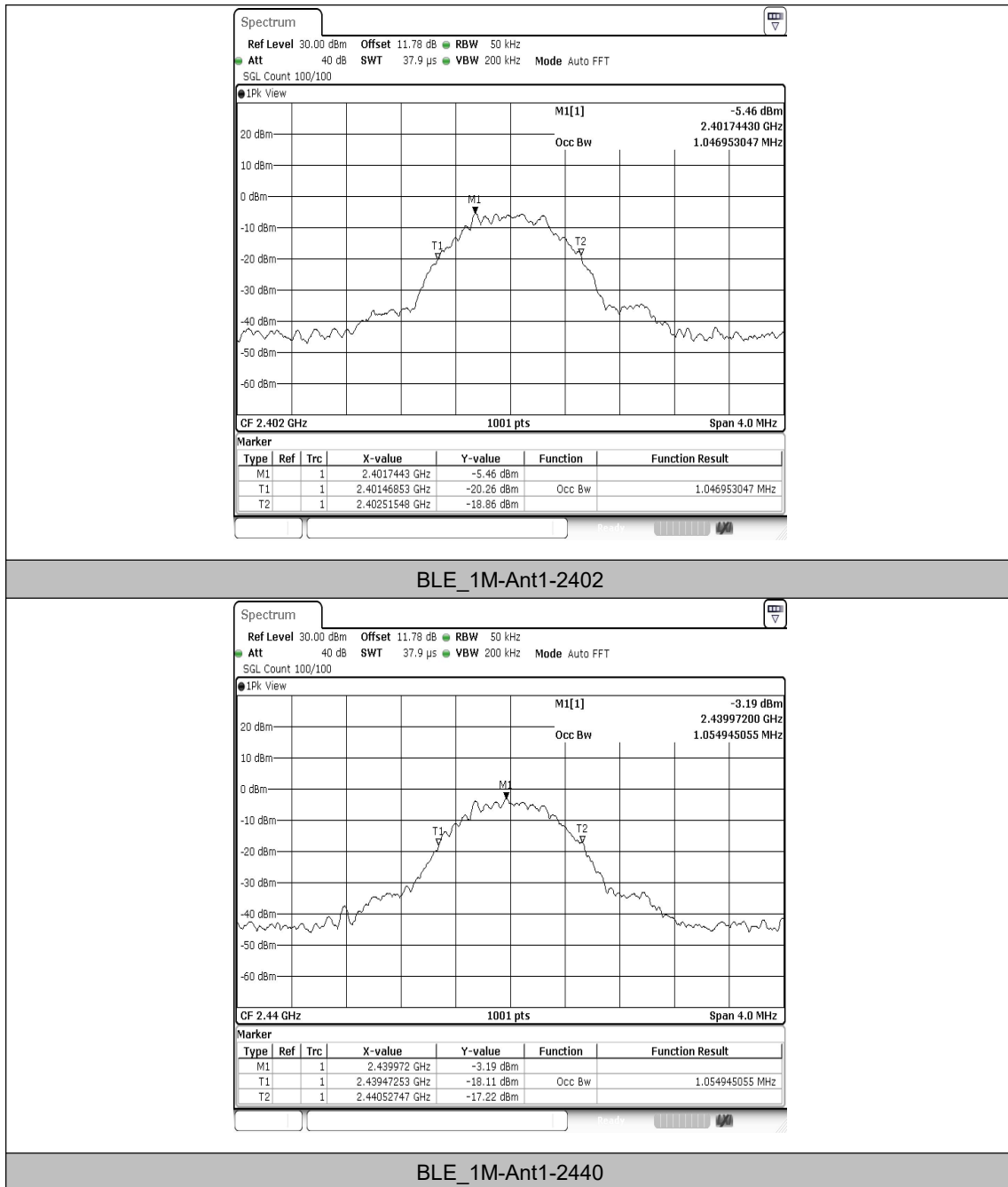
### Test Result

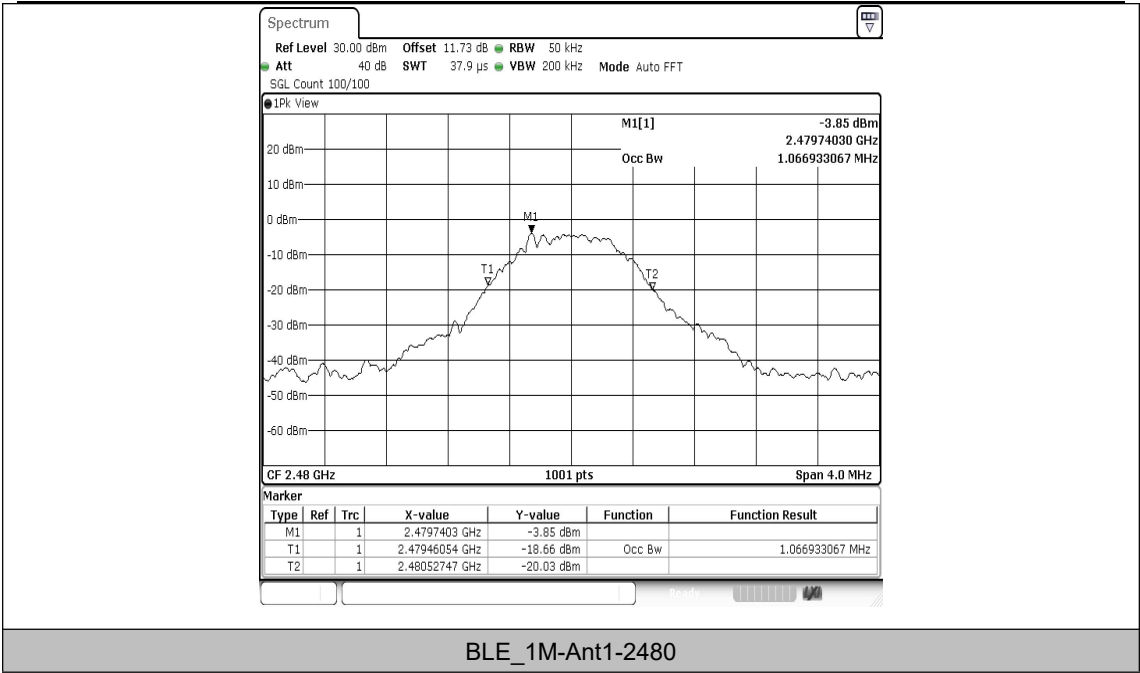
| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| BLE_1M    | Ant1    | 2402           | 1.047     | 2401.4685 | 2402.5155 | ---        | ---     |
| BLE_1M    | Ant1    | 2440           | 1.055     | 2439.4725 | 2440.5275 | ---        | ---     |
| BLE_1M    | Ant1    | 2480           | 1.067     | 2479.4605 | 2480.5275 | ---        | ---     |

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## Test Graphs





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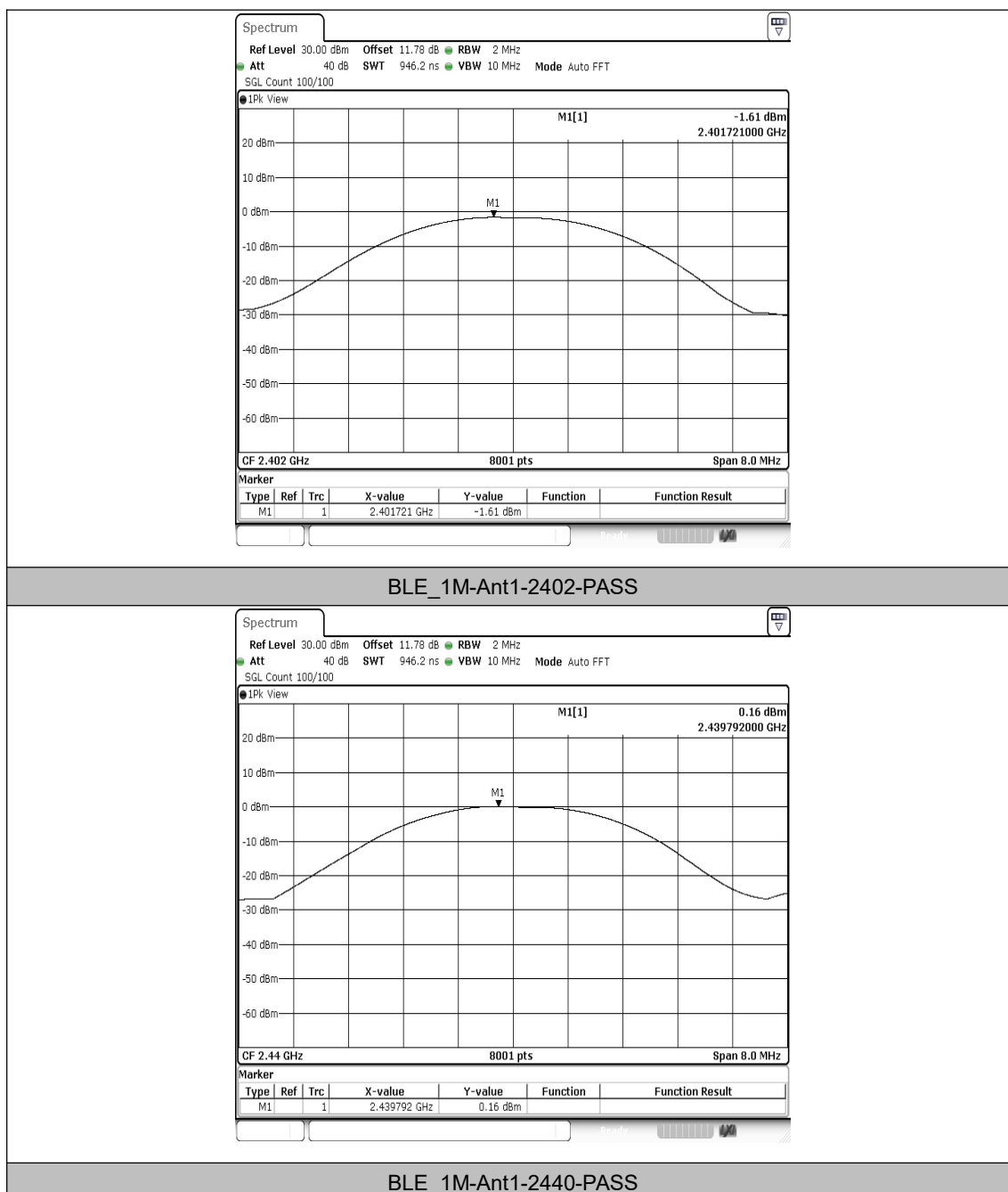
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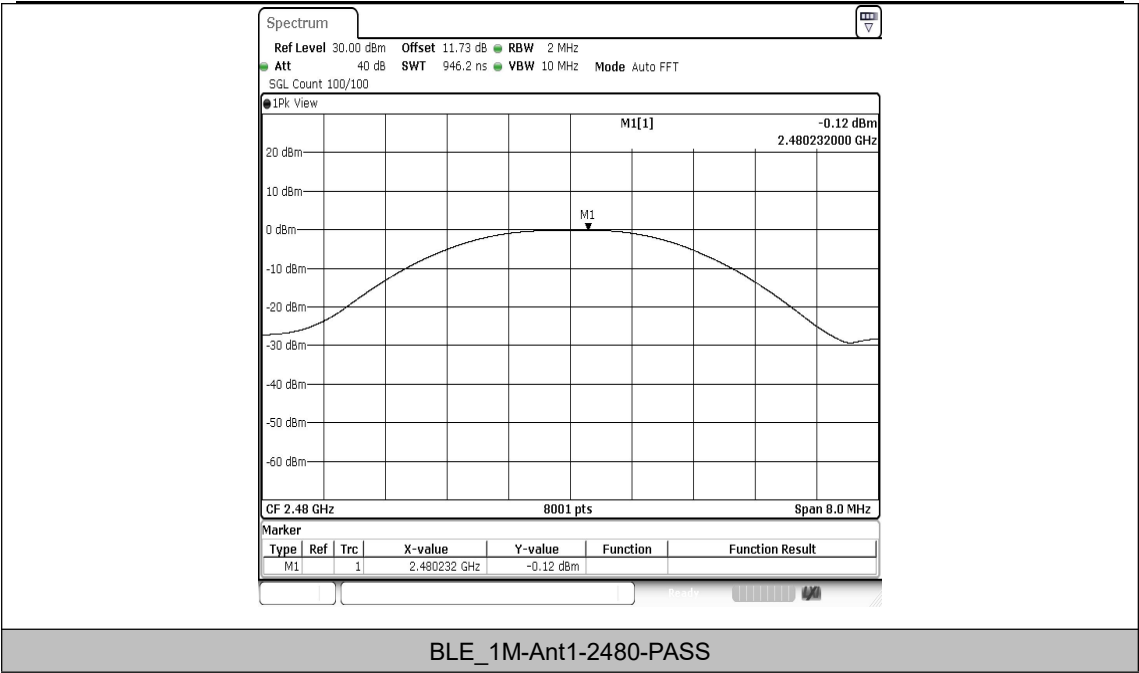
## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|-----------------|---------------------------|----------------------|---------|
| BLE_1M    | Ant1    | 2402            | -1.61                     | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2440            | 0.16                      | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2480            | -0.12                     | ≤30                  | PASS    |

### Test Graphs Peak





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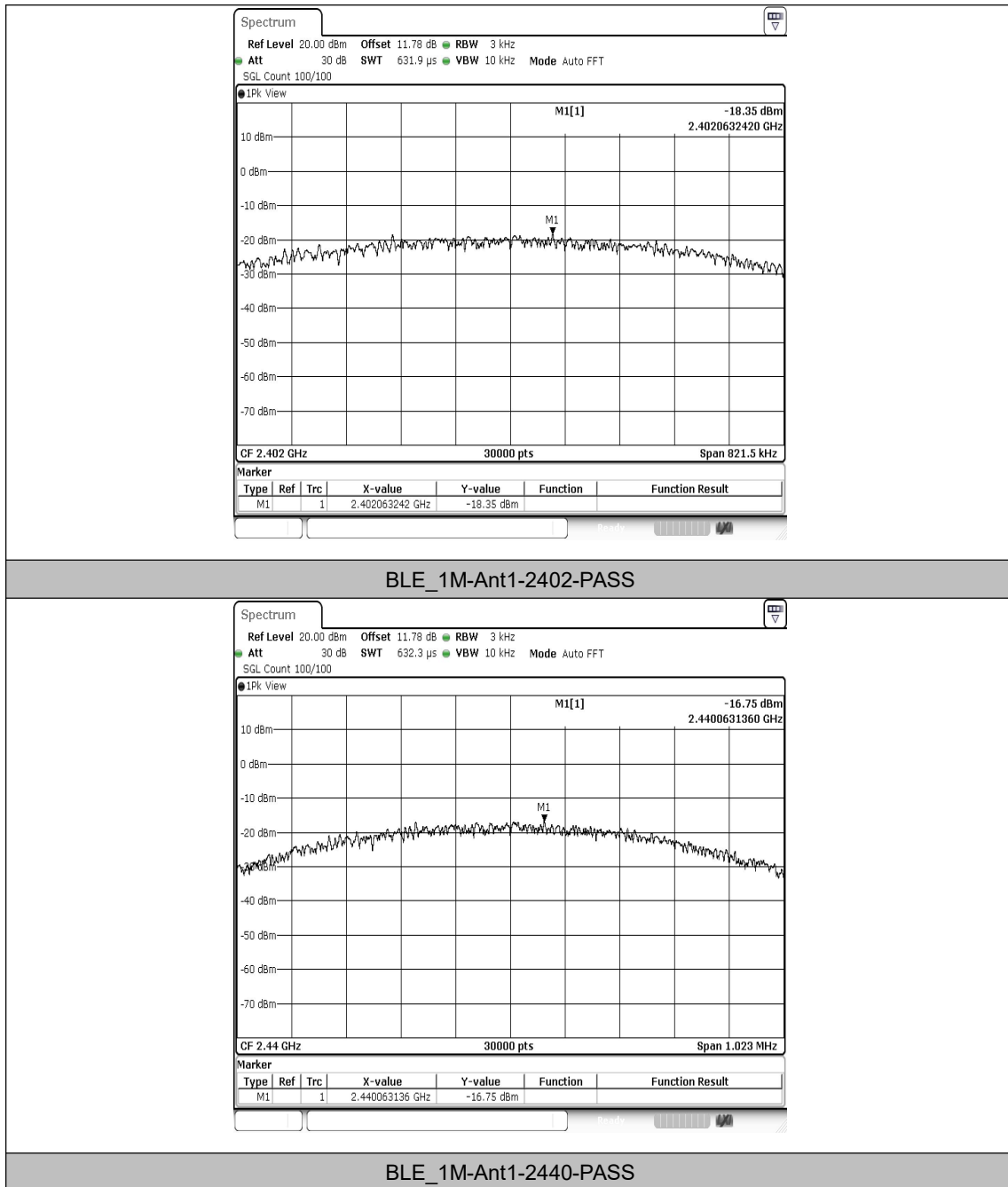


## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -18.35           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -16.75           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -16.93           | ≤8.00           | PASS    |

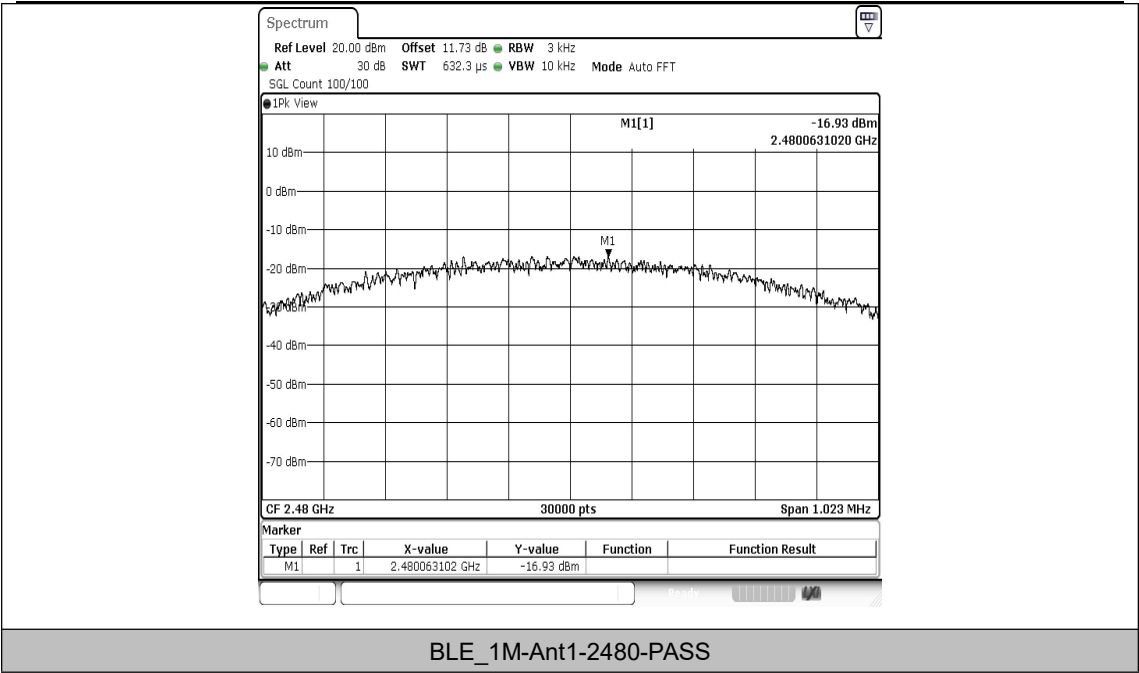
## Test Graphs



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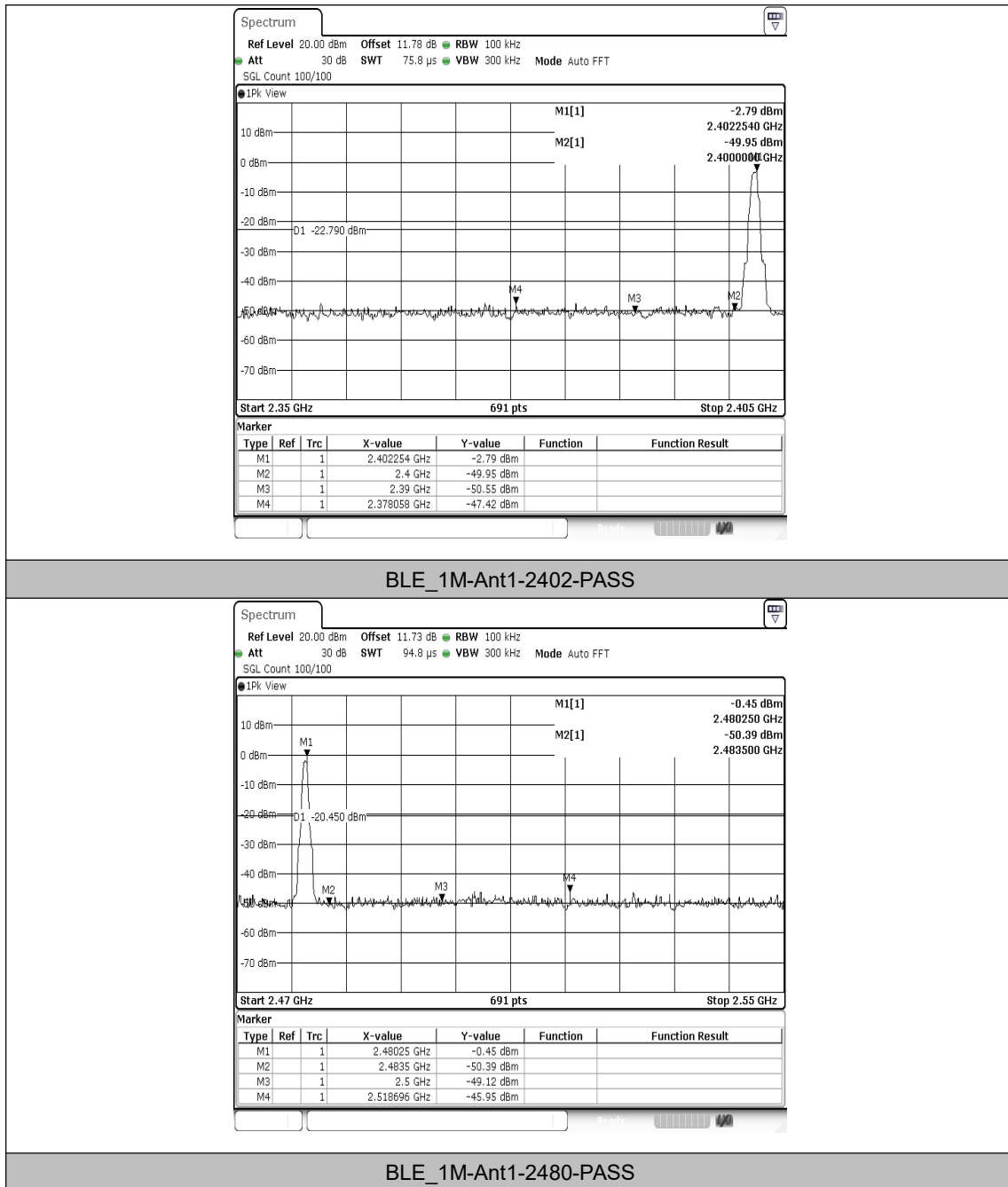
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## Appendix E: Band edge measurements

### Test Result

| Test Mode | Antenna | ChName | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|--------|-----------------|----------------|--------------|---------------|---------|
| BLE_1M    | Ant1    | Low    | 2402            | -2.79          | -47.42       | $\leq -22.79$ | PASS    |
| BLE_1M    | Ant1    | High   | 2480            | -0.45          | -45.95       | $\leq -20.45$ | PASS    |

## Test Graphs

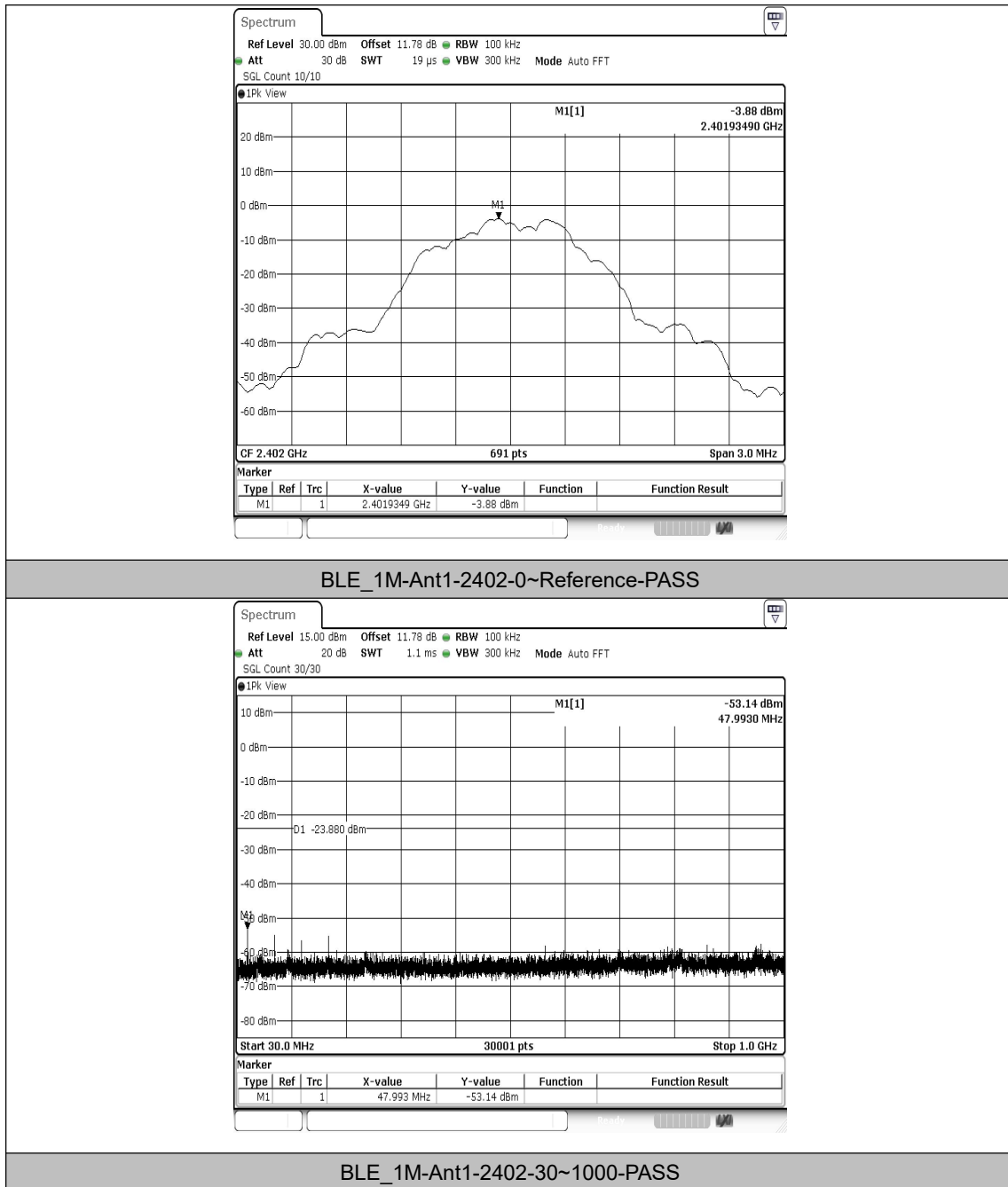


## Appendix F: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | 2402            | 0~Reference       | -3.88            | -3.88        | ---         | PASS    |
| BLE_1M    | Ant1    | 2402            | 30~1000           | -3.88            | -53.14       | ≤-23.88     | PASS    |
| BLE_1M    | Ant1    | 2402            | 1000~26500        | -3.88            | -43.91       | ≤-23.88     | PASS    |
| BLE_1M    | Ant1    | 2440            | 0~Reference       | -2.78            | -2.78        | ---         | PASS    |
| BLE_1M    | Ant1    | 2440            | 30~1000           | -2.78            | -53.05       | ≤-22.78     | PASS    |
| BLE_1M    | Ant1    | 2440            | 1000~26500        | -2.78            | -42.42       | ≤-22.78     | PASS    |
| BLE_1M    | Ant1    | 2480            | 0~Reference       | -2.86            | -2.86        | ---         | PASS    |
| BLE_1M    | Ant1    | 2480            | 30~1000           | -2.86            | -52.46       | ≤-22.86     | PASS    |
| BLE_1M    | Ant1    | 2480            | 1000~26500        | -2.86            | -42.53       | ≤-22.86     | PASS    |

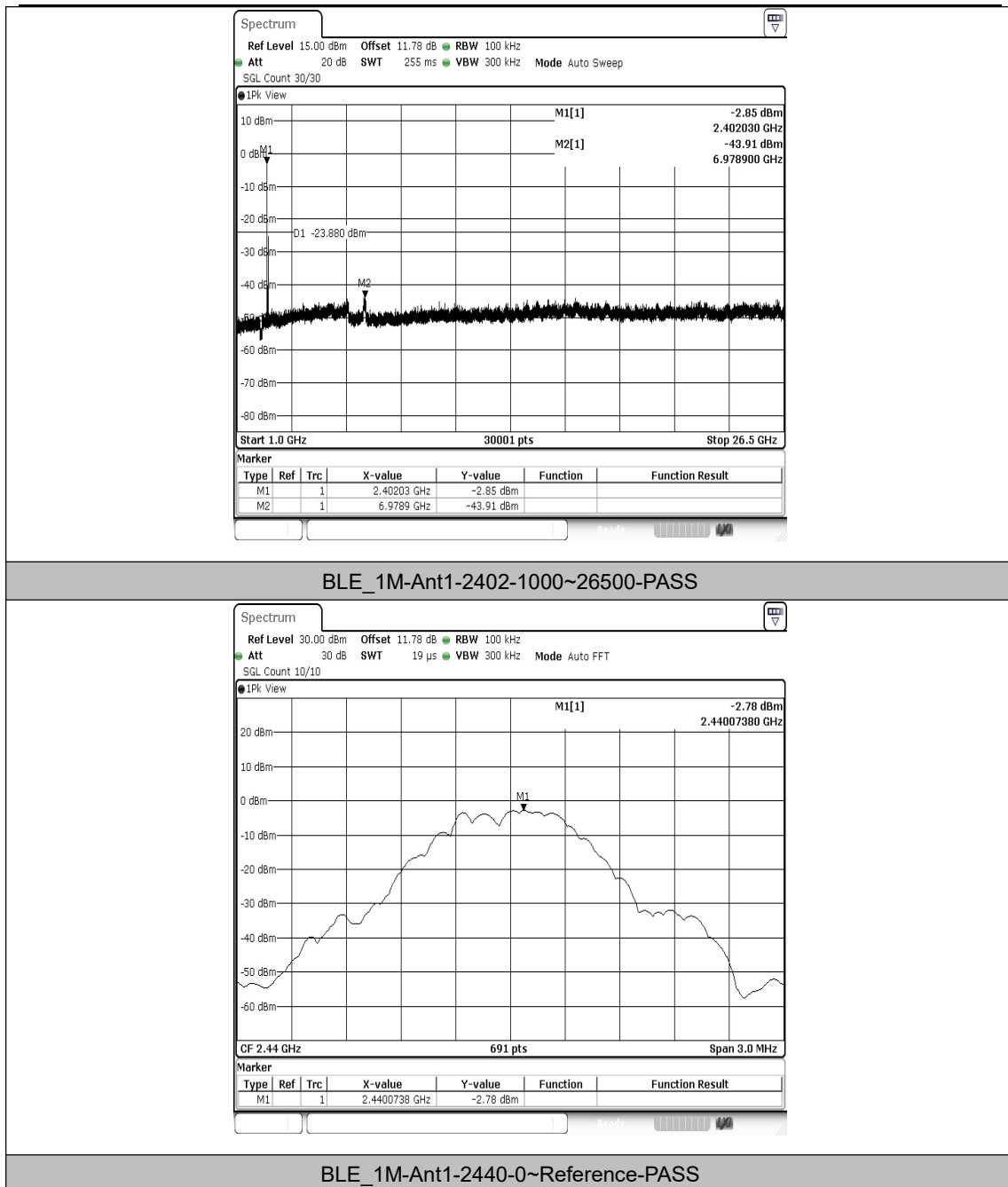
## Test Graphs



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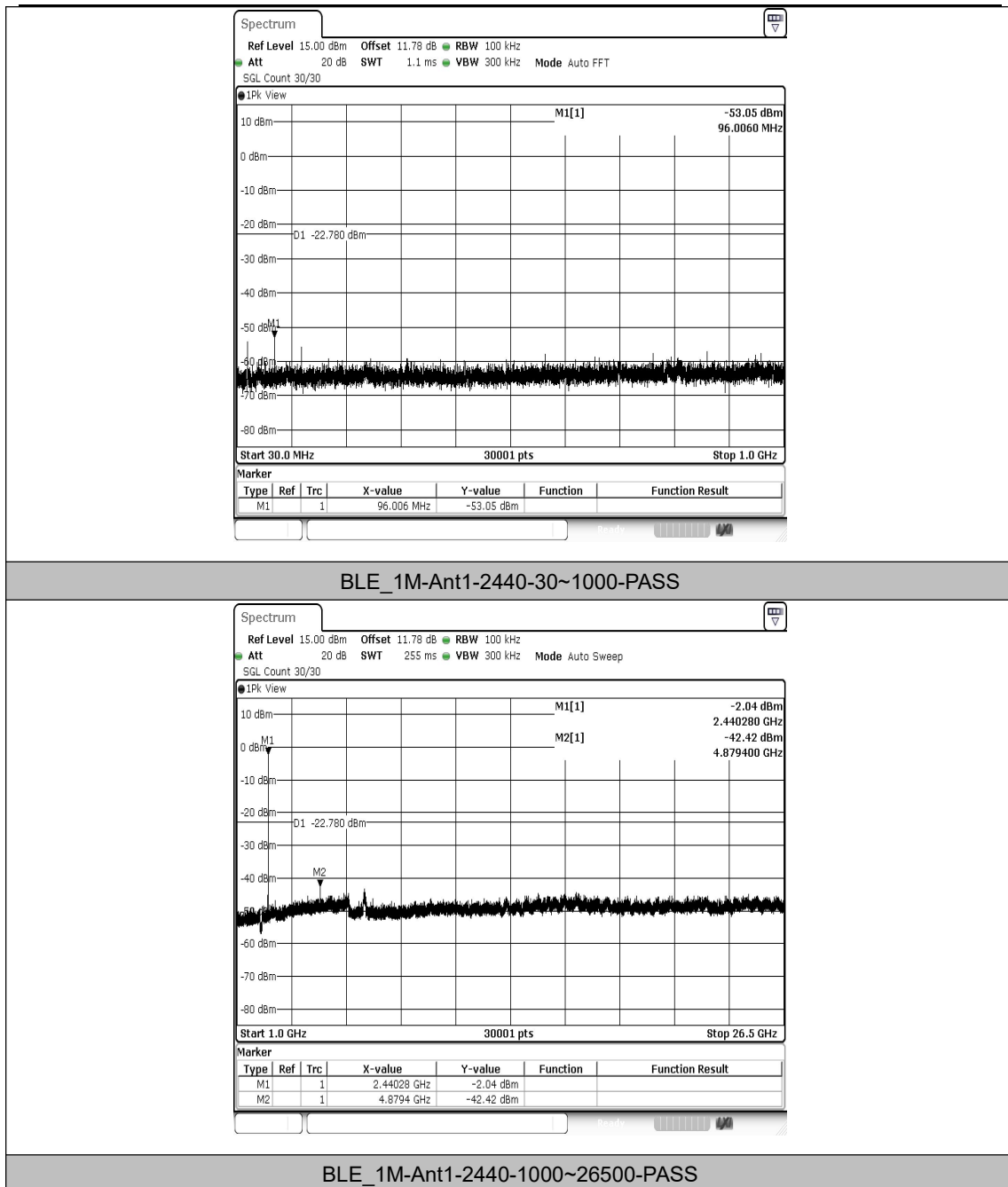


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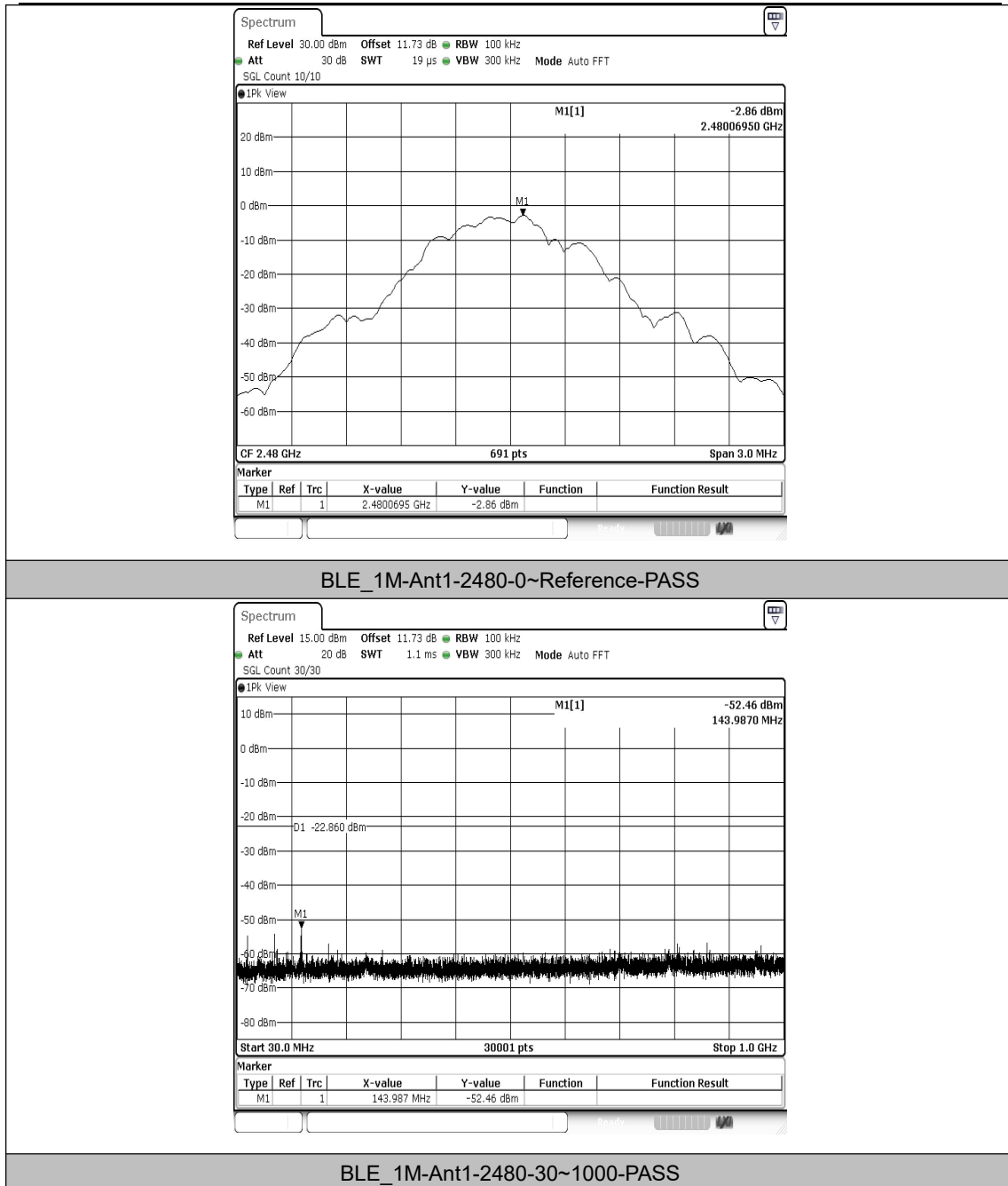




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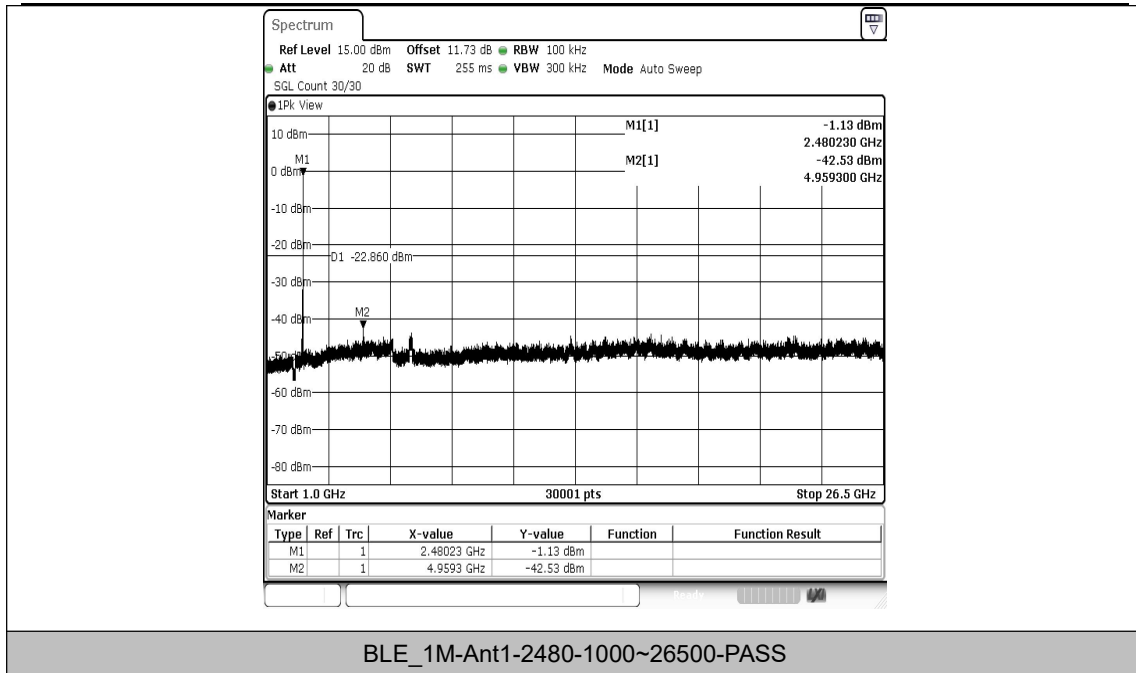
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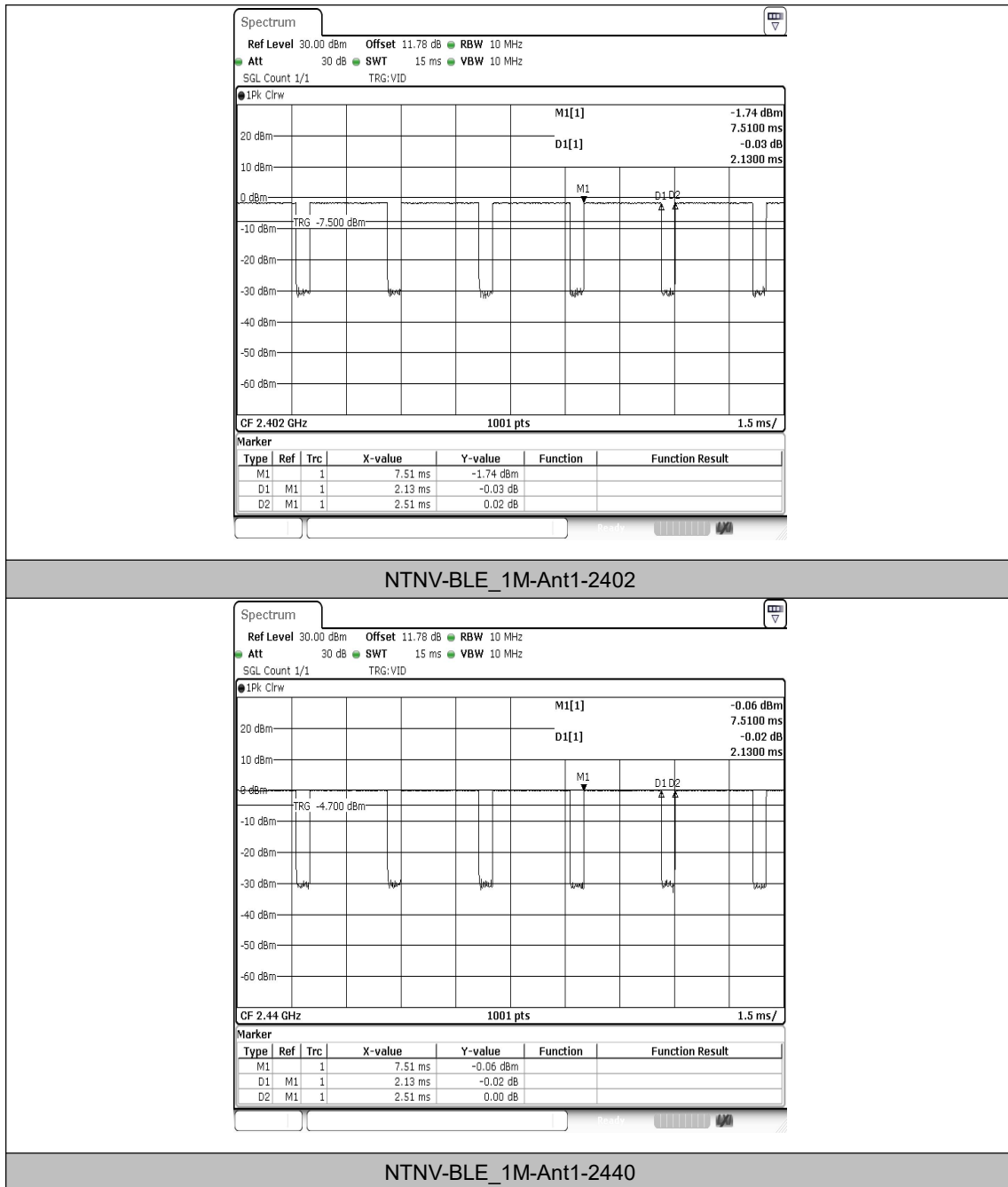
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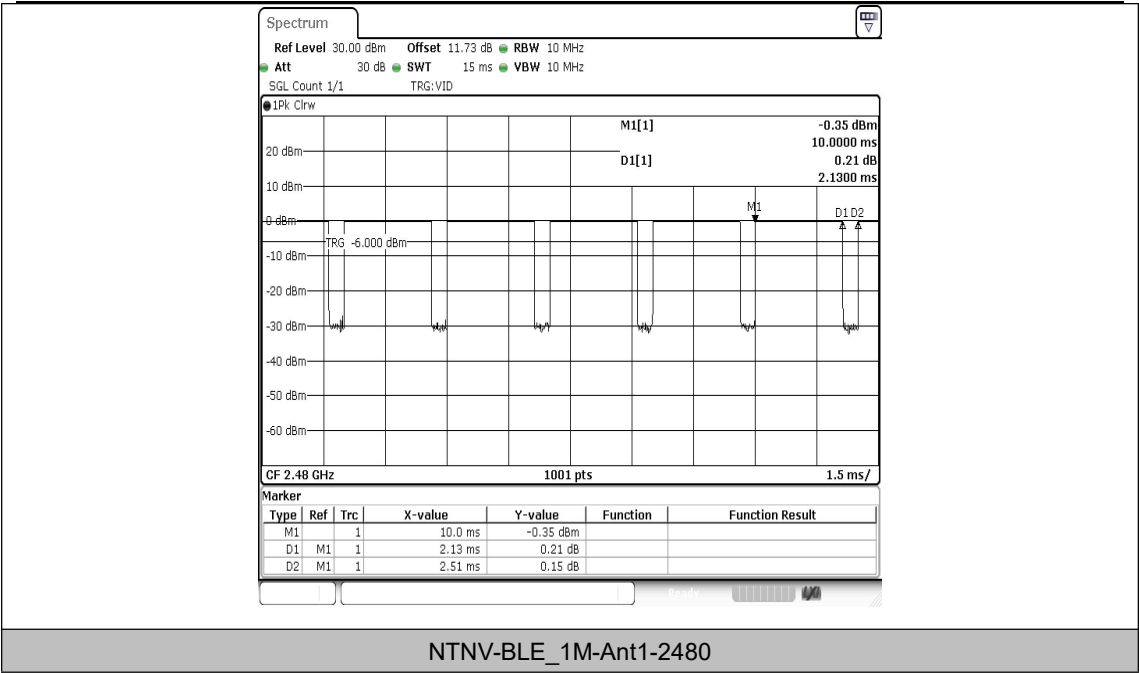
## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|-----------|---------|-----------------|--------------|-------------|----------------|-----------------------|
| BLE_1M    | Ant1    | 2402            | 2.13         | 2.51        | 84.86          | 0.71                  |
| BLE_1M    | Ant1    | 2440            | 2.13         | 2.51        | 84.86          | 0.71                  |
| BLE_1M    | Ant1    | 2480            | 2.13         | 2.51        | 84.86          | 0.71                  |

## Test Graphs





---End---