

Appendix Test Data

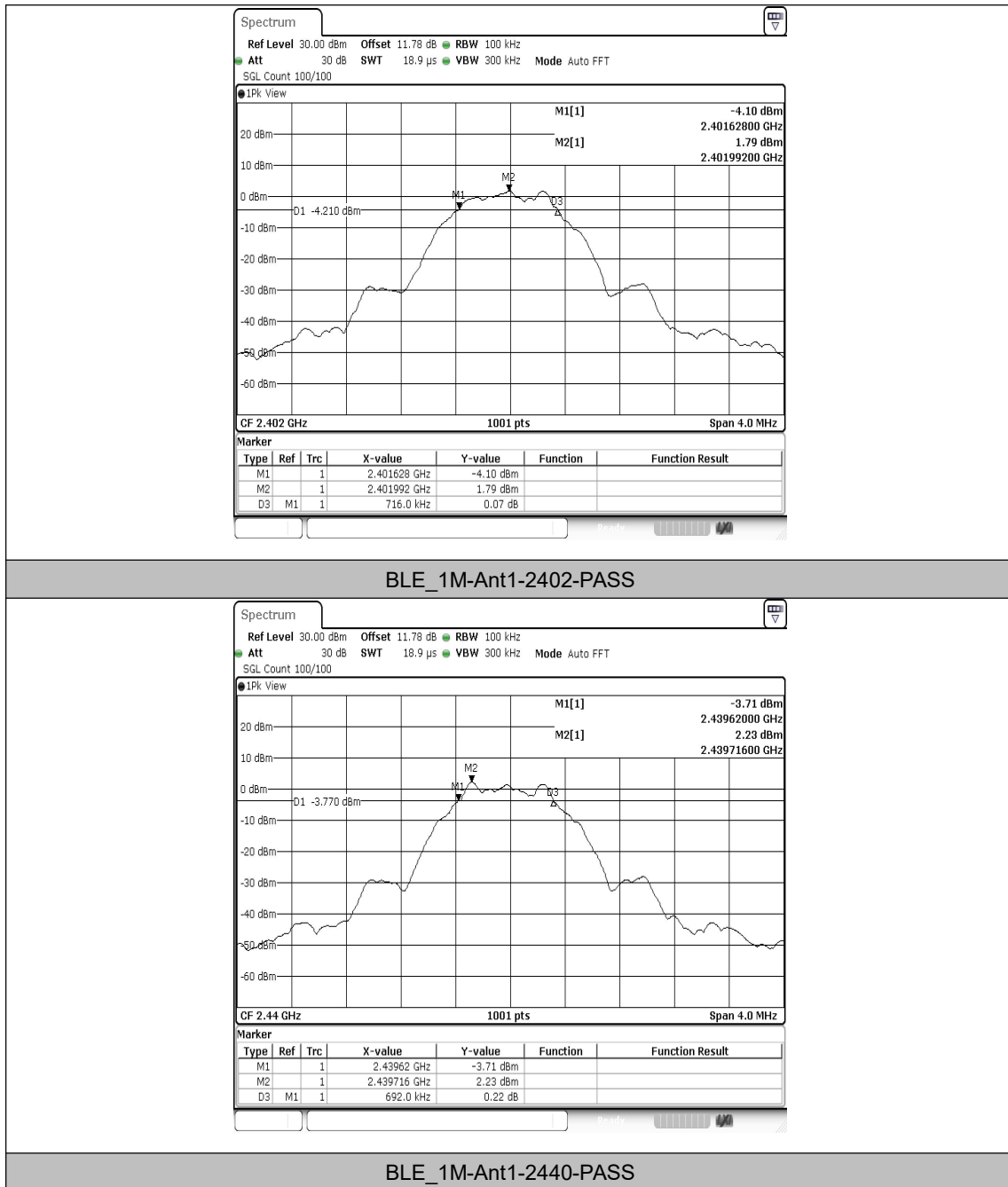
|                  |                  |                    |             |
|------------------|------------------|--------------------|-------------|
| Report No.:      | 1812C40183012502 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2024.12.18       | Finish Test Date:  | 2024.12.30  |
| Test Engineer:   | Joker Wang       | Auditor:           | Justin Feng |
| Temperature:     | 23.9℃            | 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           | 0.72         | 2401.63 | 2402.34 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2440           | 0.69         | 2439.62 | 2440.31 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2480           | 0.72         | 2479.60 | 2480.32 | 0.5        | PASS    |

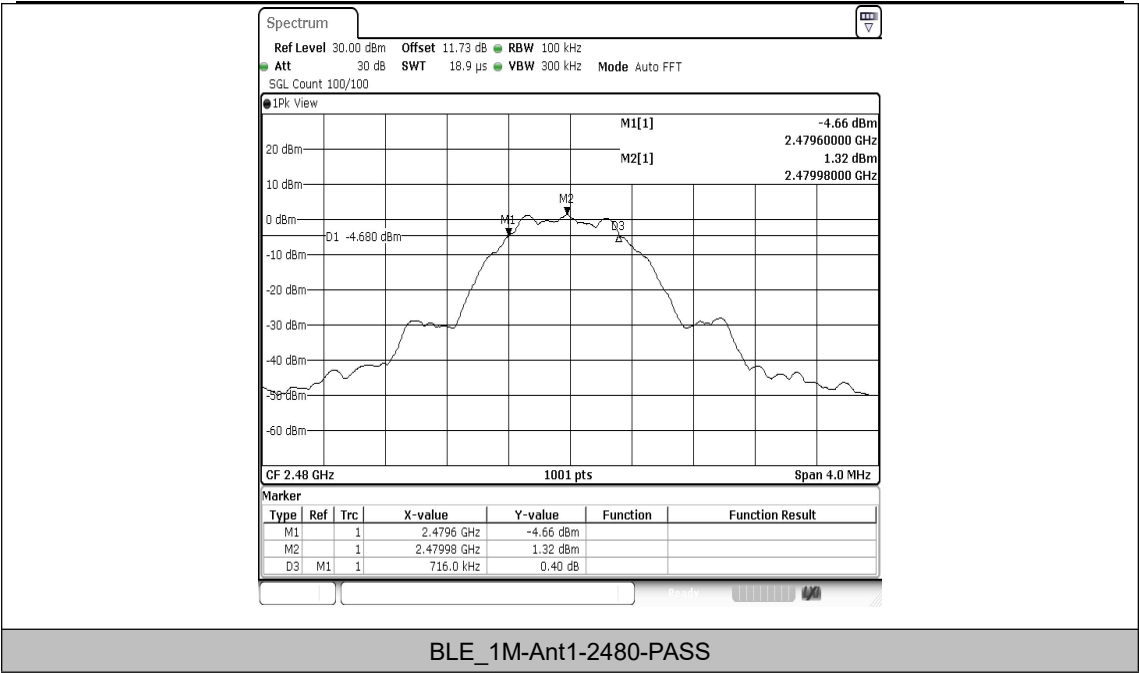
## Test Graphs



## Shenzhen Anbotek Compliance Laboratory Limited

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## Appendix B: 99% Occupied Bandwidth

### Test Result

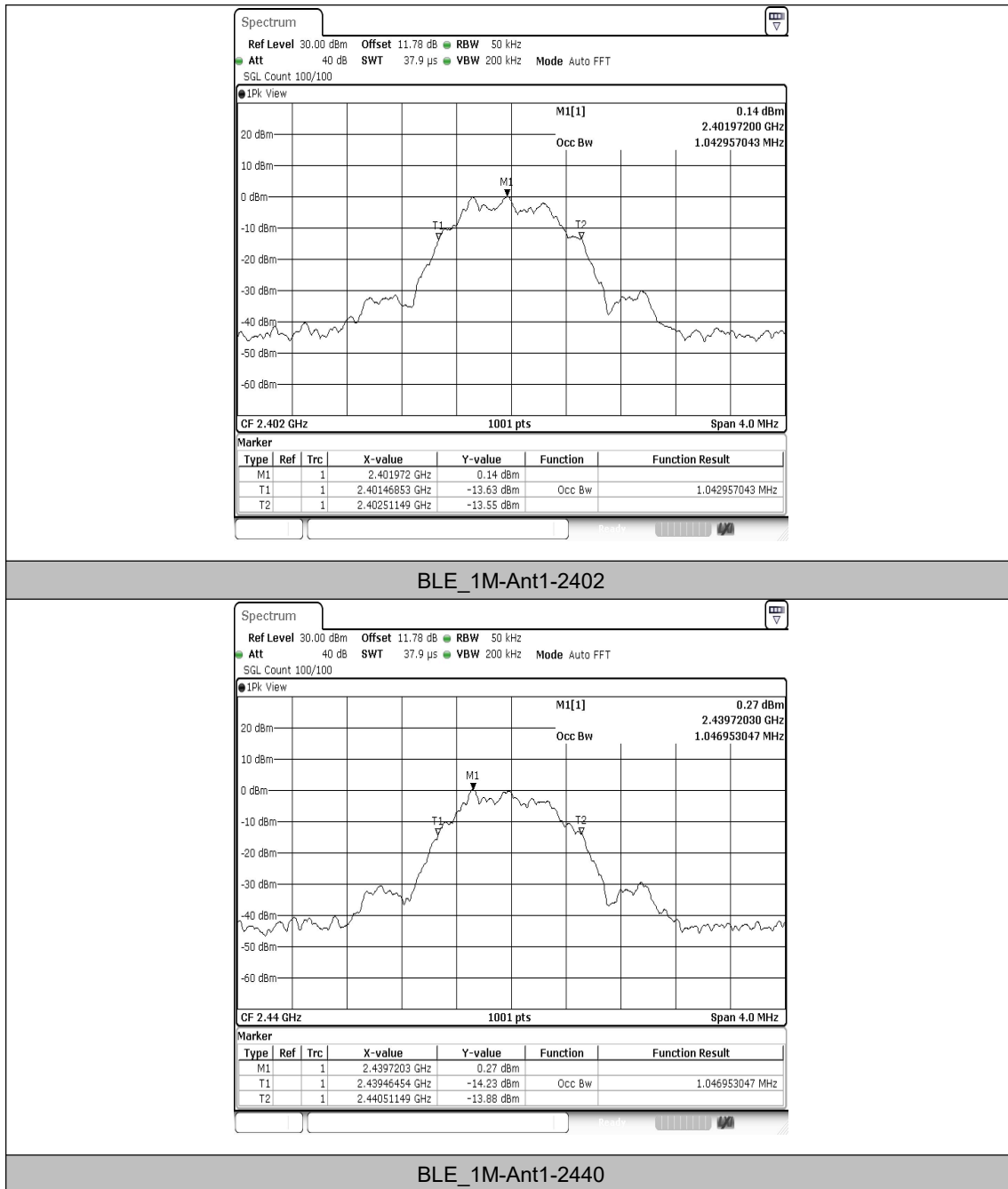
| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| BLE_1M    | Ant1    | 2402           | 1.043     | 2401.4685 | 2402.5115 | ---        | ---     |
| BLE_1M    | Ant1    | 2440           | 1.047     | 2439.4645 | 2440.5115 | ---        | ---     |
| BLE_1M    | Ant1    | 2480           | 1.043     | 2479.4645 | 2480.5075 | ---        | ---     |

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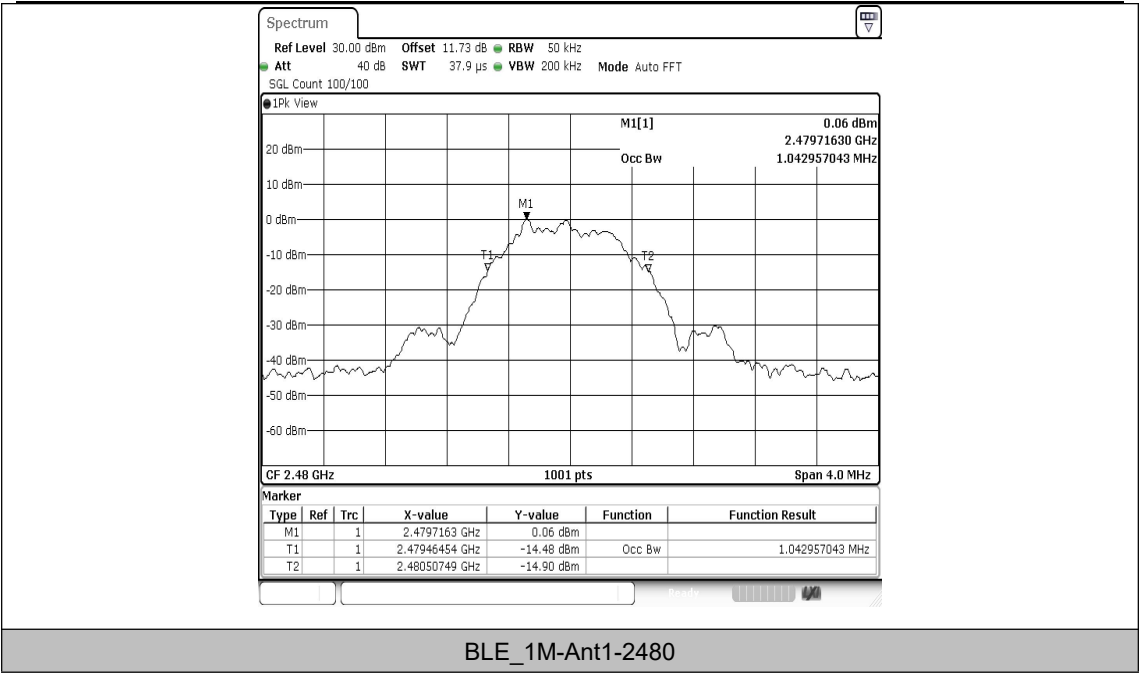
## Test Graphs



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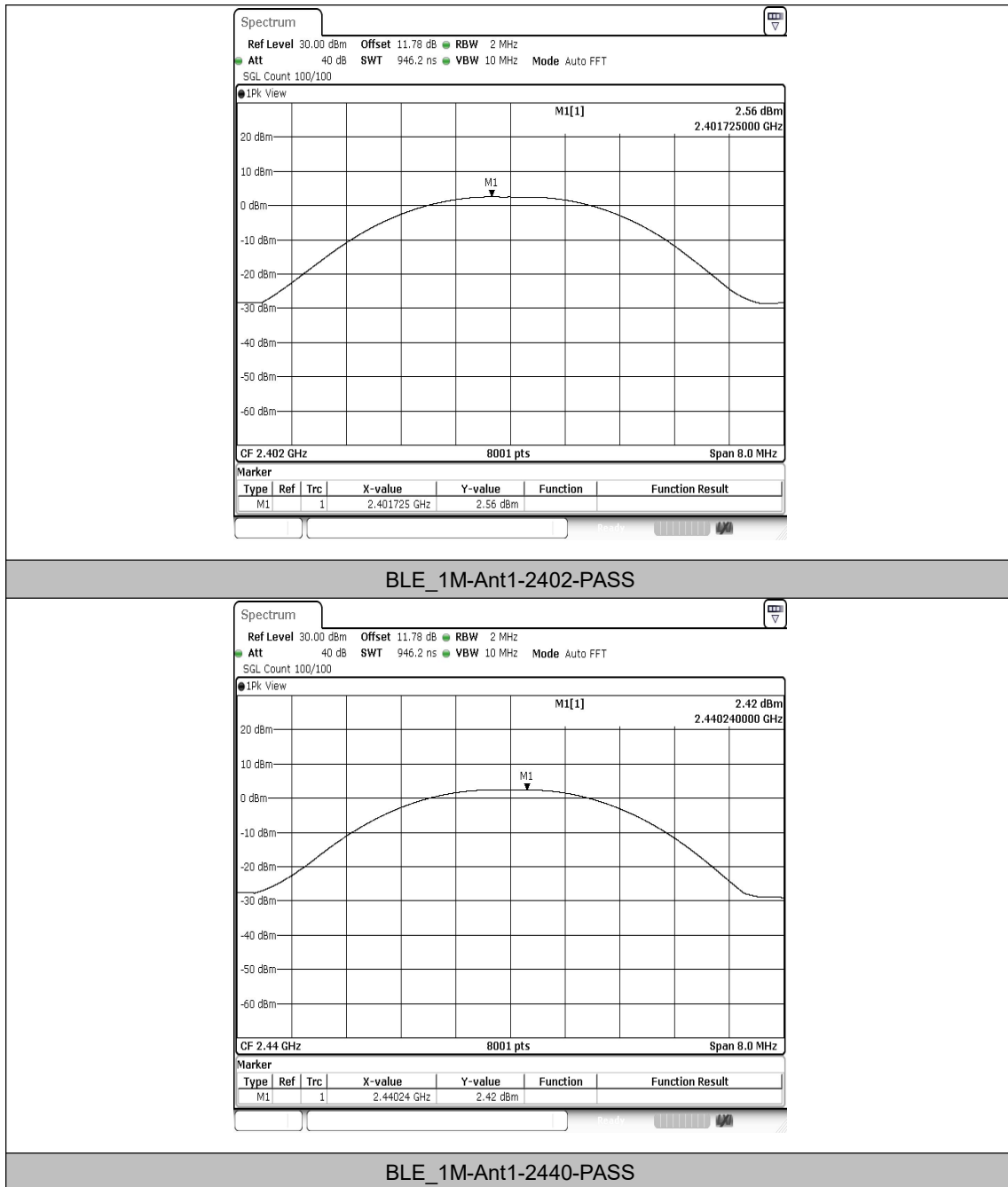
## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power [dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|-----------------|----------------------------|----------------------|---------|
| BLE_1M    | Ant1    | 2402            | <b>2.56</b>                | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2440            | 2.42                       | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2480            | 2.17                       | ≤30                  | PASS    |



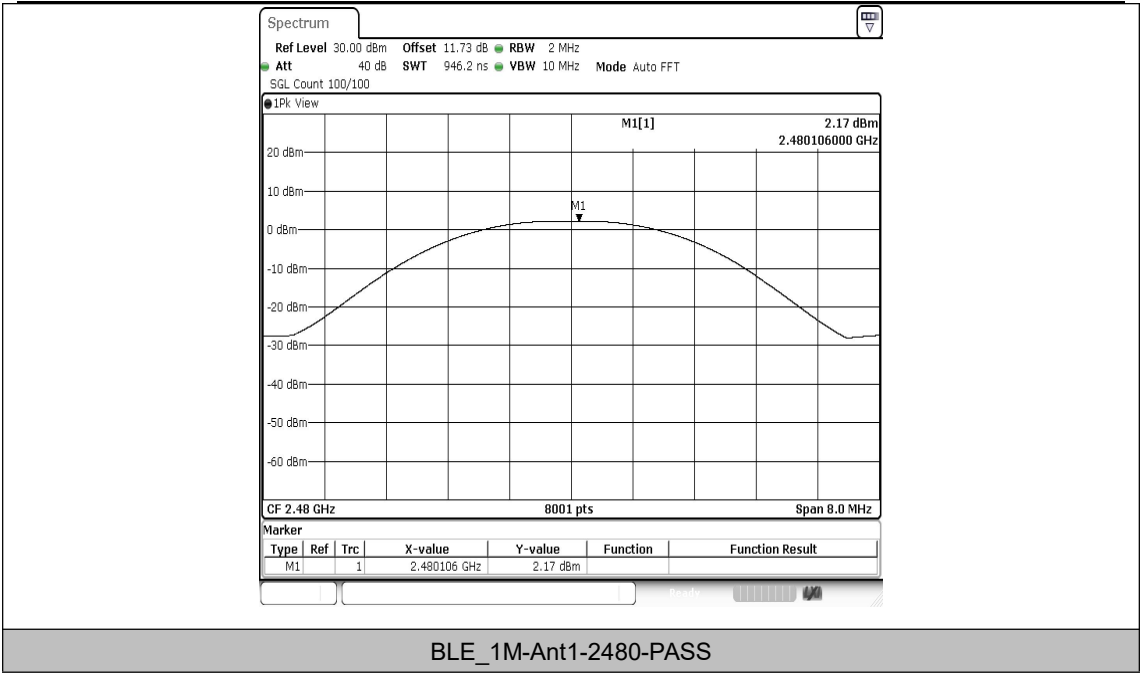
## Test Graphs Peak



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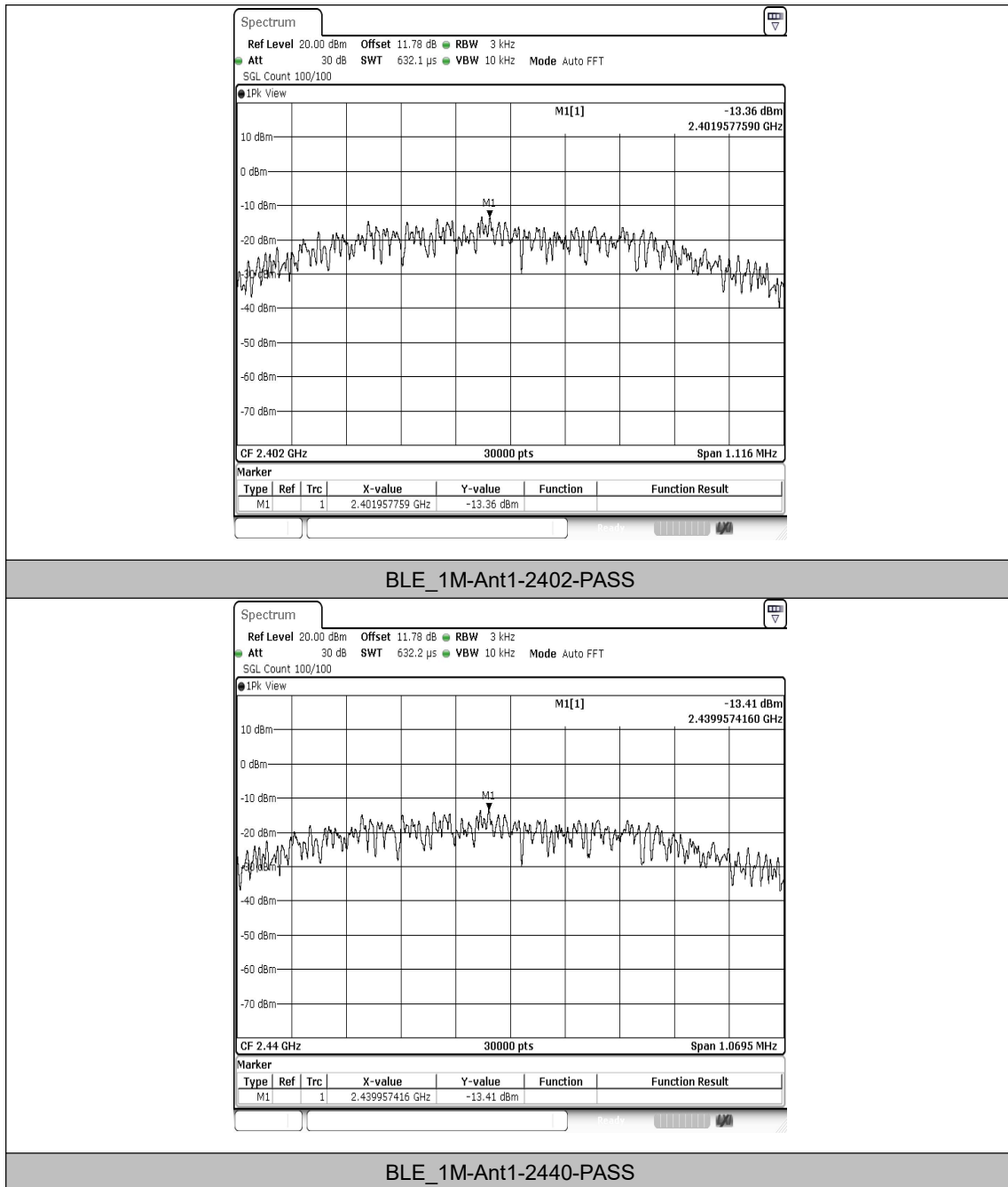
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## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -13.36           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -13.41           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -13.74           | ≤8.00           | PASS    |

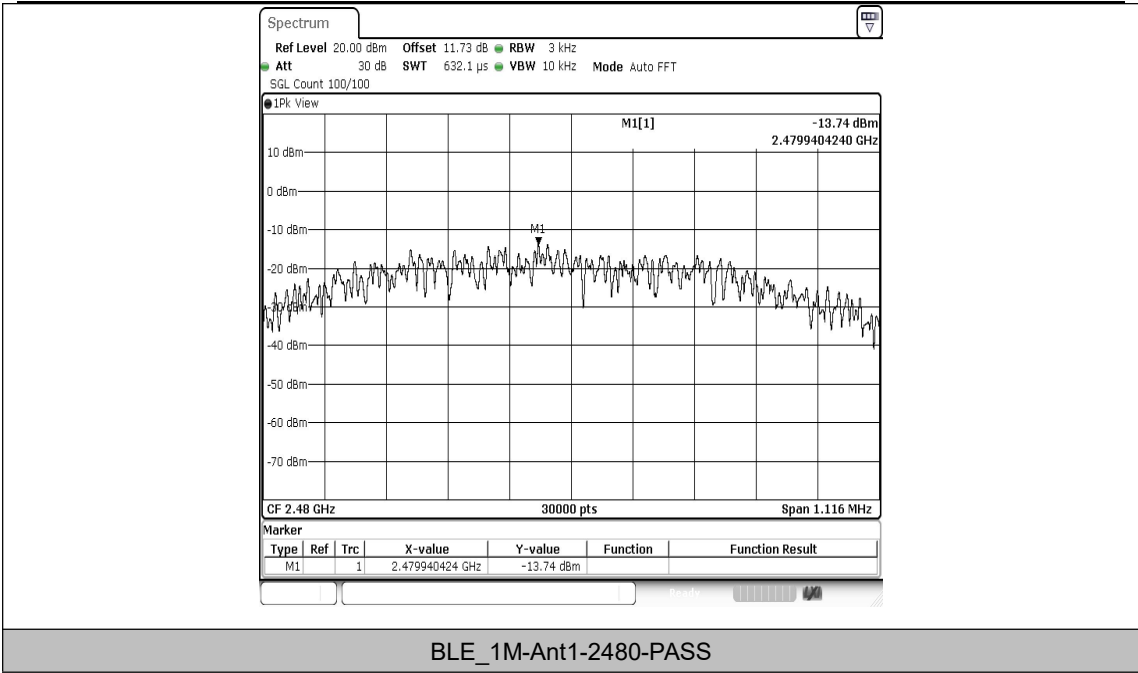
## Test Graphs



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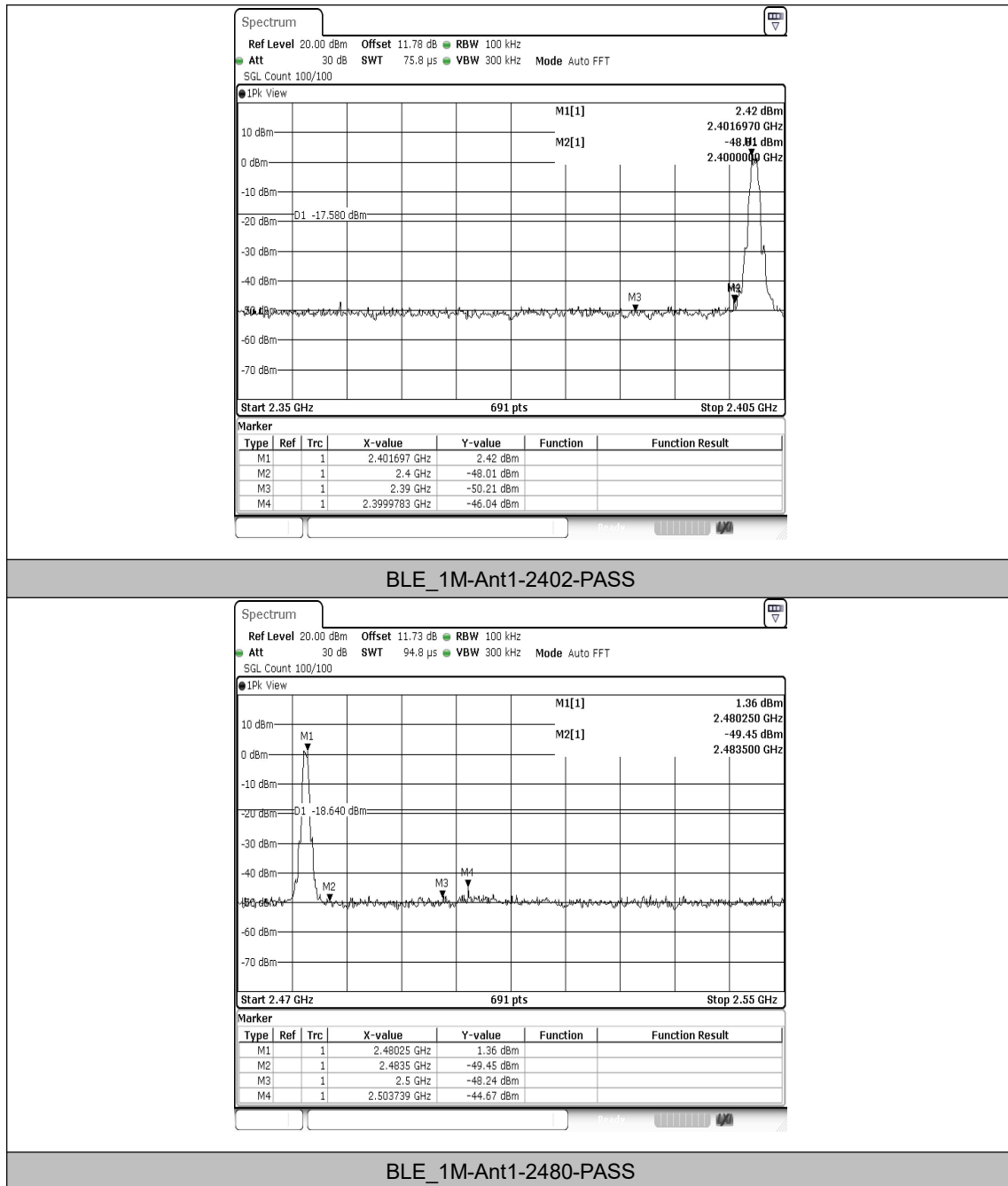
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## Appendix E: Band edge measurements

### Test Result

| Test Mode | Antenna | ChName | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|-----------------|----------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | Low    | 2402            | 2.42           | -46.04       | ≤-17.58     | PASS    |
| BLE_1M    | Ant1    | High   | 2480            | 1.36           | -44.67       | ≤-18.64     | PASS    |

## Test Graphs



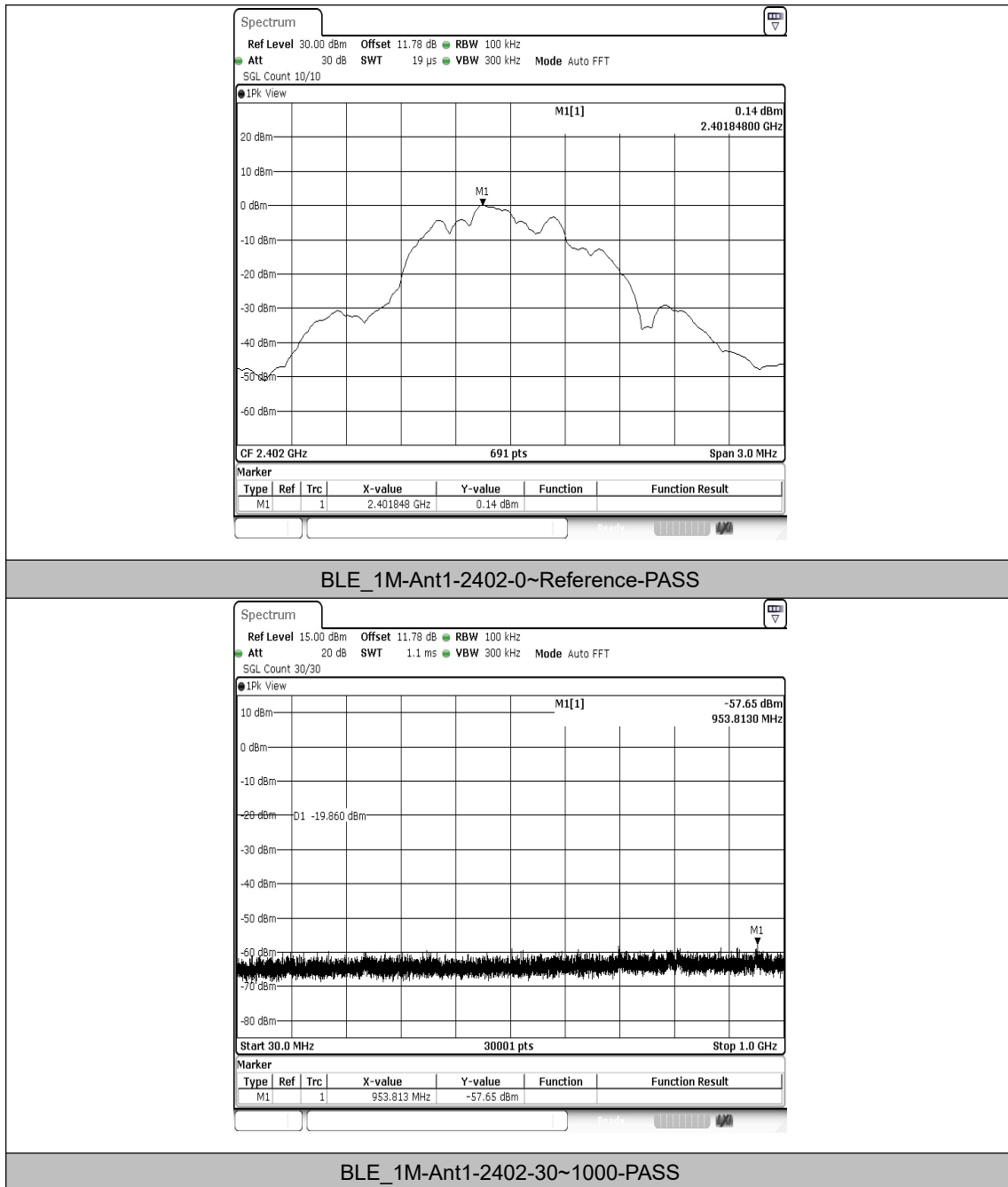
## Appendix F: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | 2402            | 0~Reference       | 0.14             | 0.14         | ---         | PASS    |
| BLE_1M    | Ant1    | 2402            | 30~1000           | 0.14             | -57.65       | ≤-19.86     | PASS    |
| BLE_1M    | Ant1    | 2402            | 1000~26500        | 0.14             | -44.15       | ≤-19.86     | PASS    |
| BLE_1M    | Ant1    | 2440            | 0~Reference       | 1.45             | 1.45         | ---         | PASS    |
| BLE_1M    | Ant1    | 2440            | 30~1000           | 1.45             | -54.85       | ≤-18.55     | PASS    |
| BLE_1M    | Ant1    | 2440            | 1000~26500        | 1.45             | -43.4        | ≤-18.55     | PASS    |
| BLE_1M    | Ant1    | 2480            | 0~Reference       | 0.33             | 0.33         | ---         | PASS    |
| BLE_1M    | Ant1    | 2480            | 30~1000           | 0.33             | -57.16       | ≤-19.67     | PASS    |
| BLE_1M    | Ant1    | 2480            | 1000~26500        | 0.33             | -44.43       | ≤-19.67     | PASS    |



## Test Graphs



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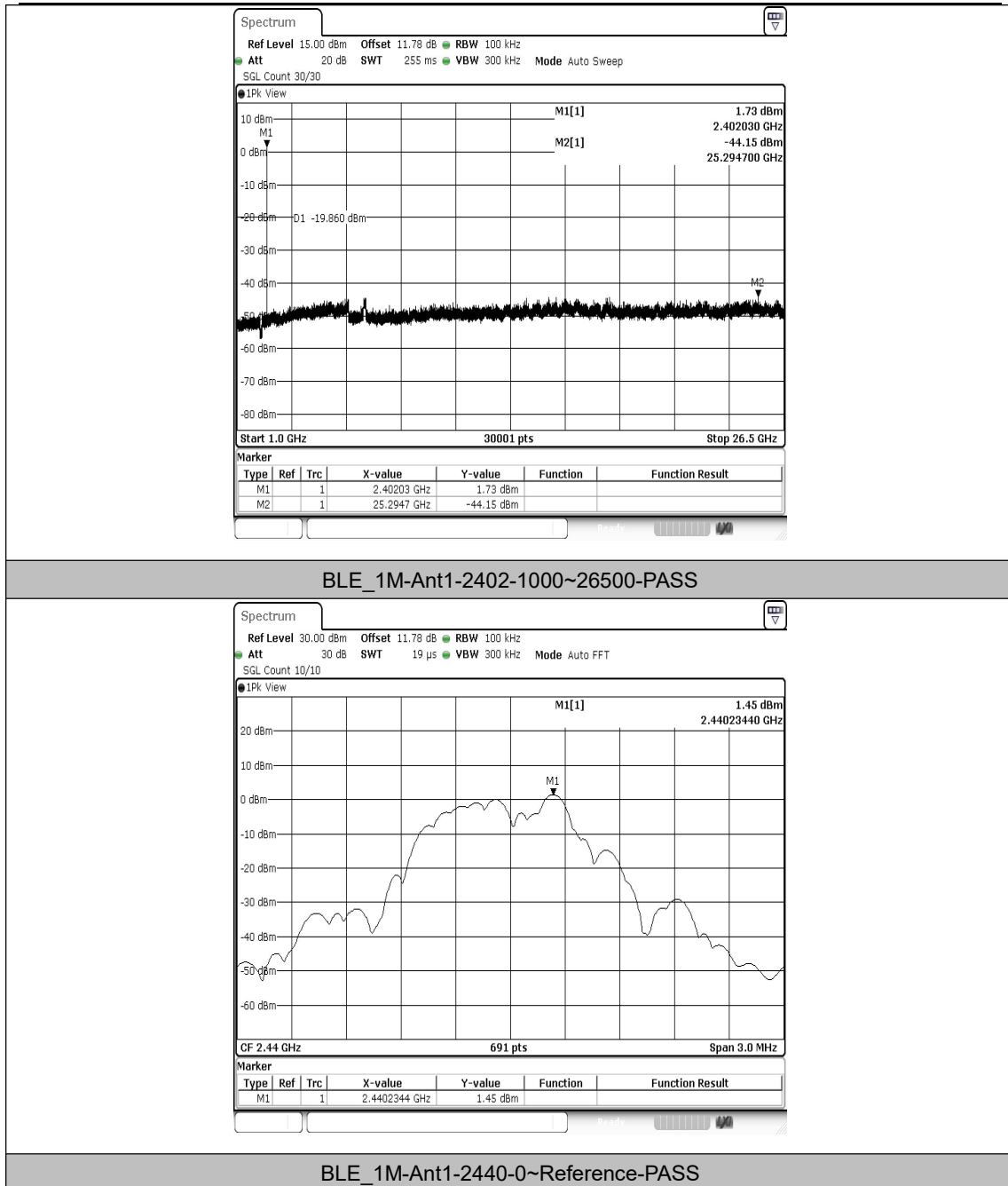
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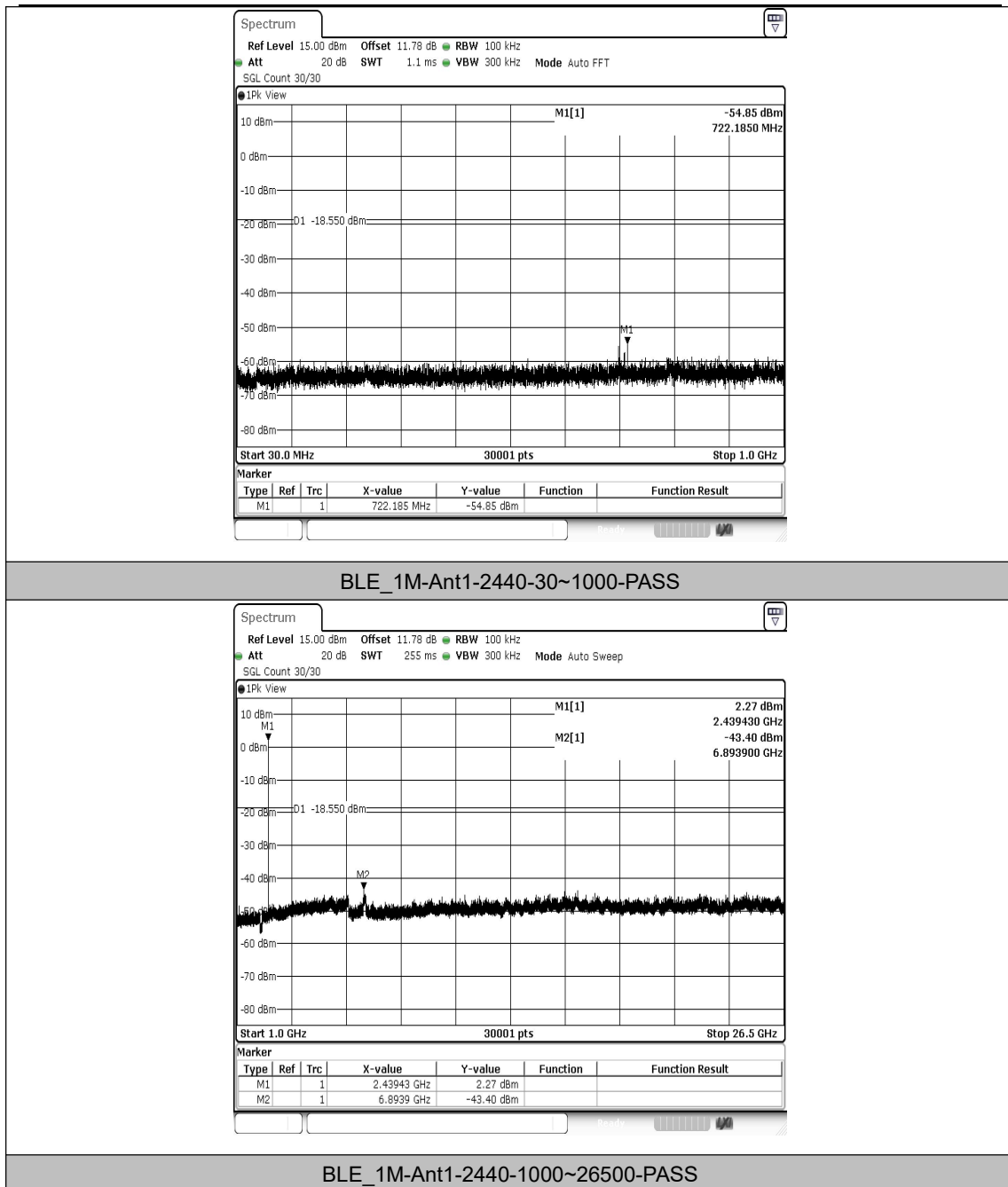
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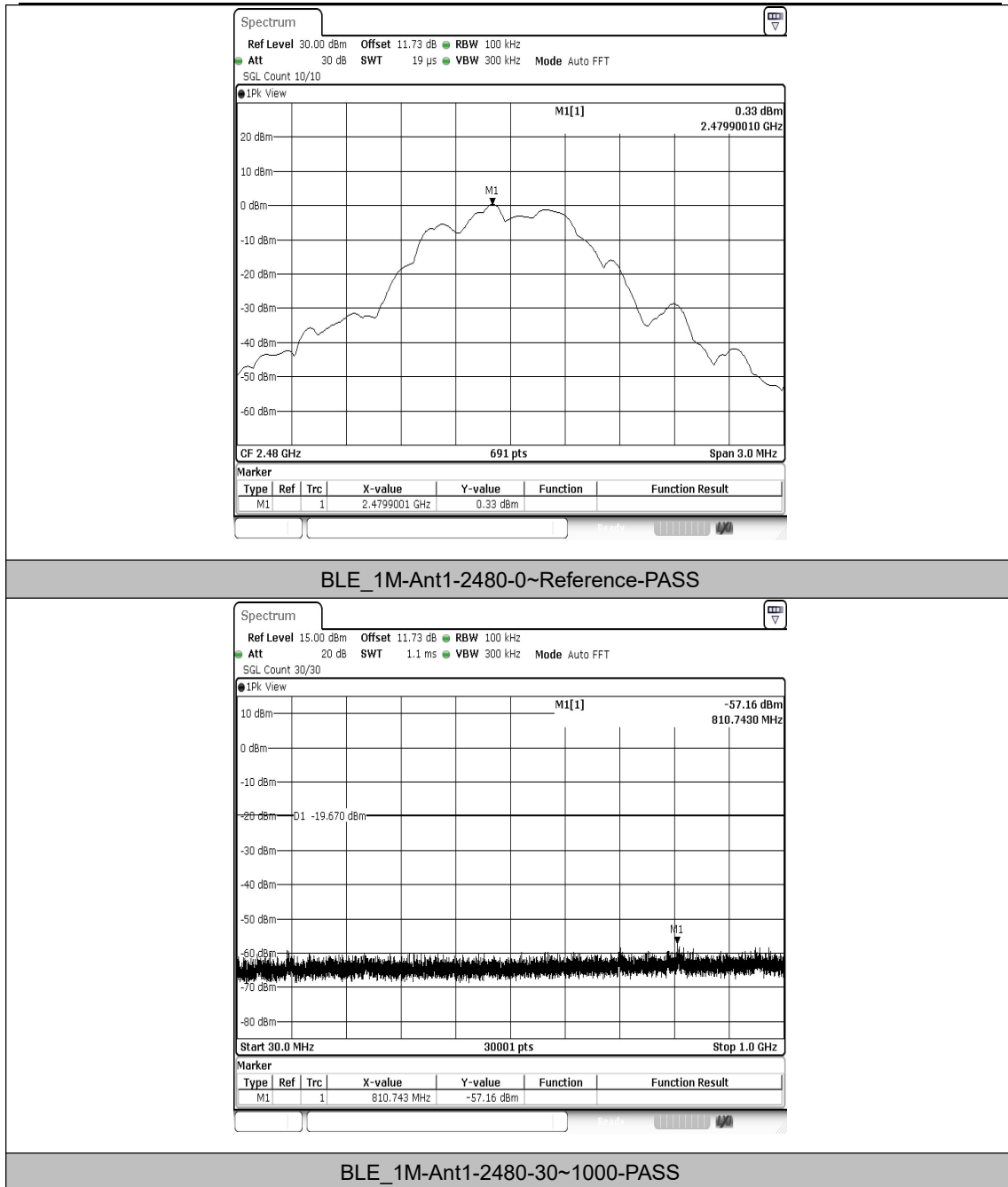


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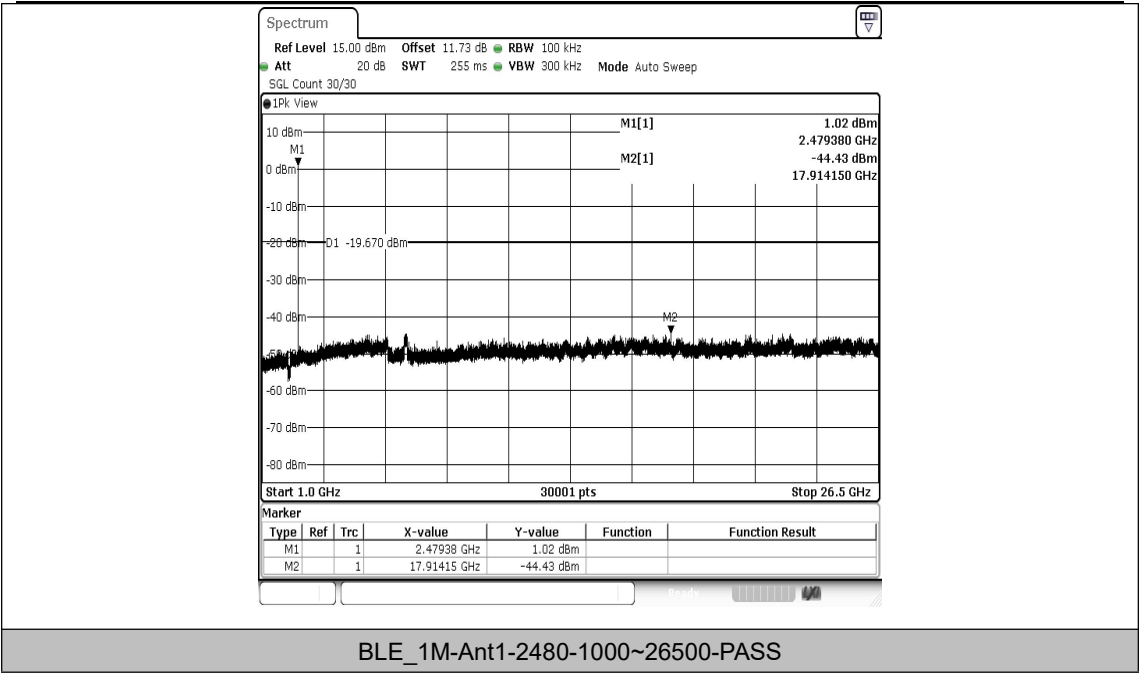




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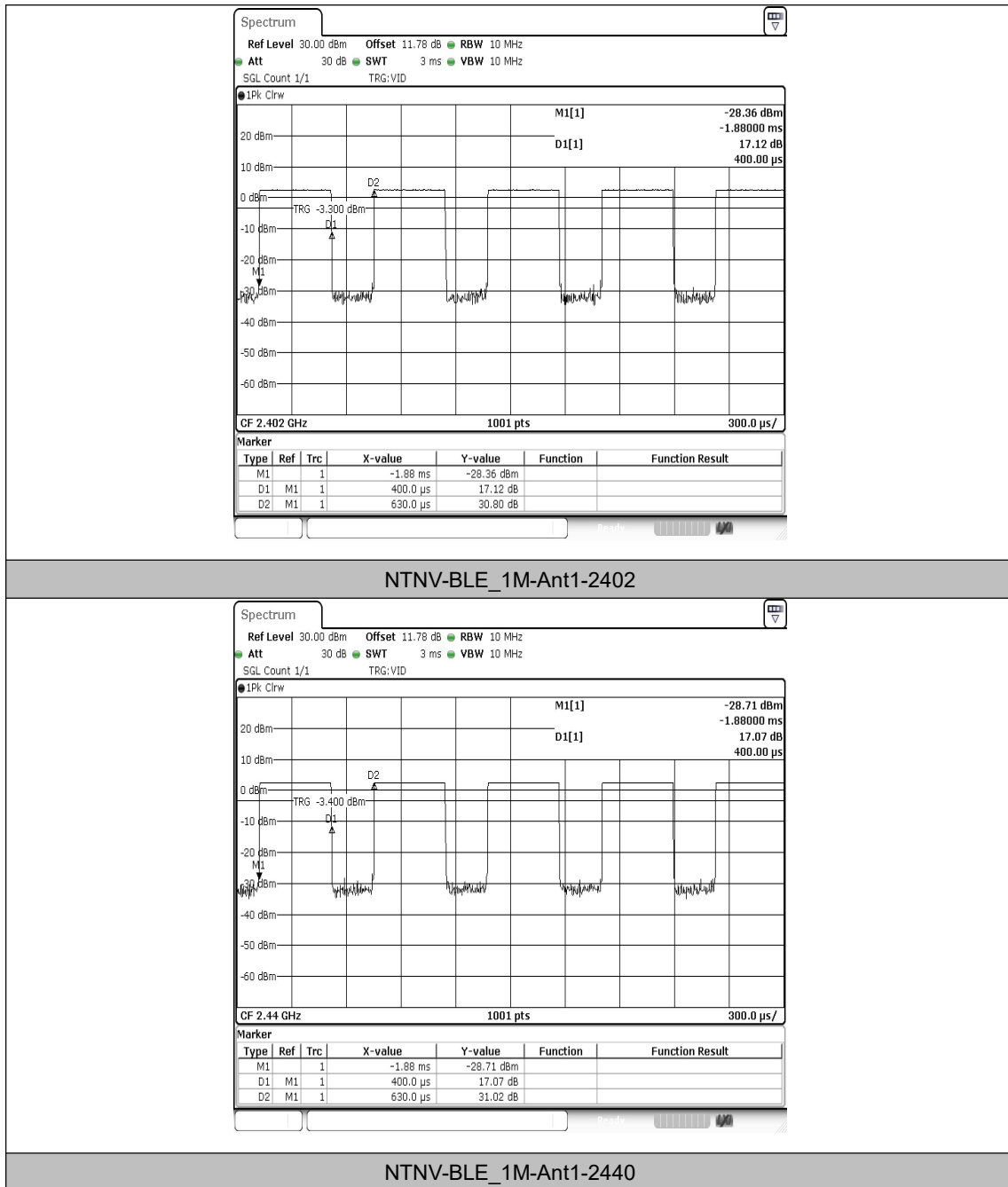
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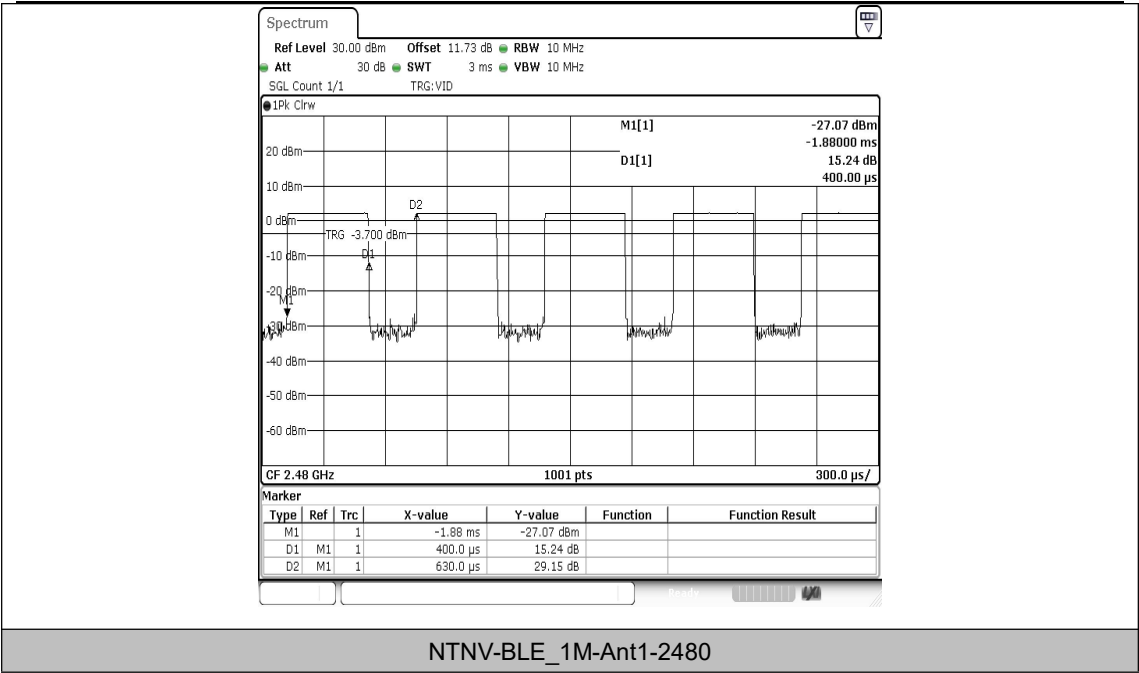
## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|-----------|---------|-----------------|--------------|-------------|----------------|-----------------------|
| BLE_1M    | Ant1    | 2402            | 0.40         | 0.63        | 63.49          | 1.97                  |
| BLE_1M    | Ant1    | 2440            | 0.40         | 0.63        | 63.49          | 1.97                  |
| BLE_1M    | Ant1    | 2480            | 0.40         | 0.63        | 63.49          | 1.97                  |

## Test Graphs





---End---