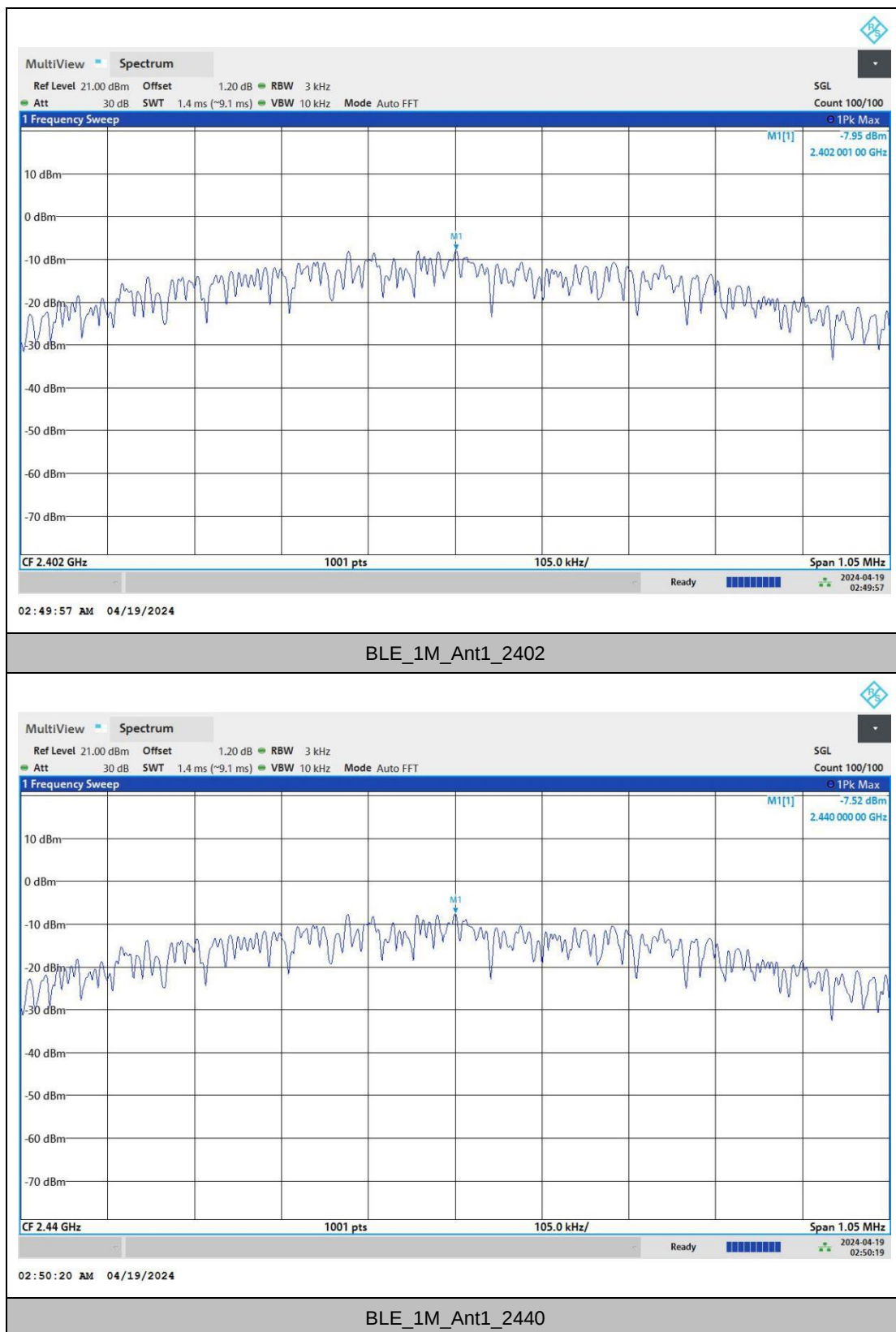




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Test Report No.: W7L-240409W001RF01

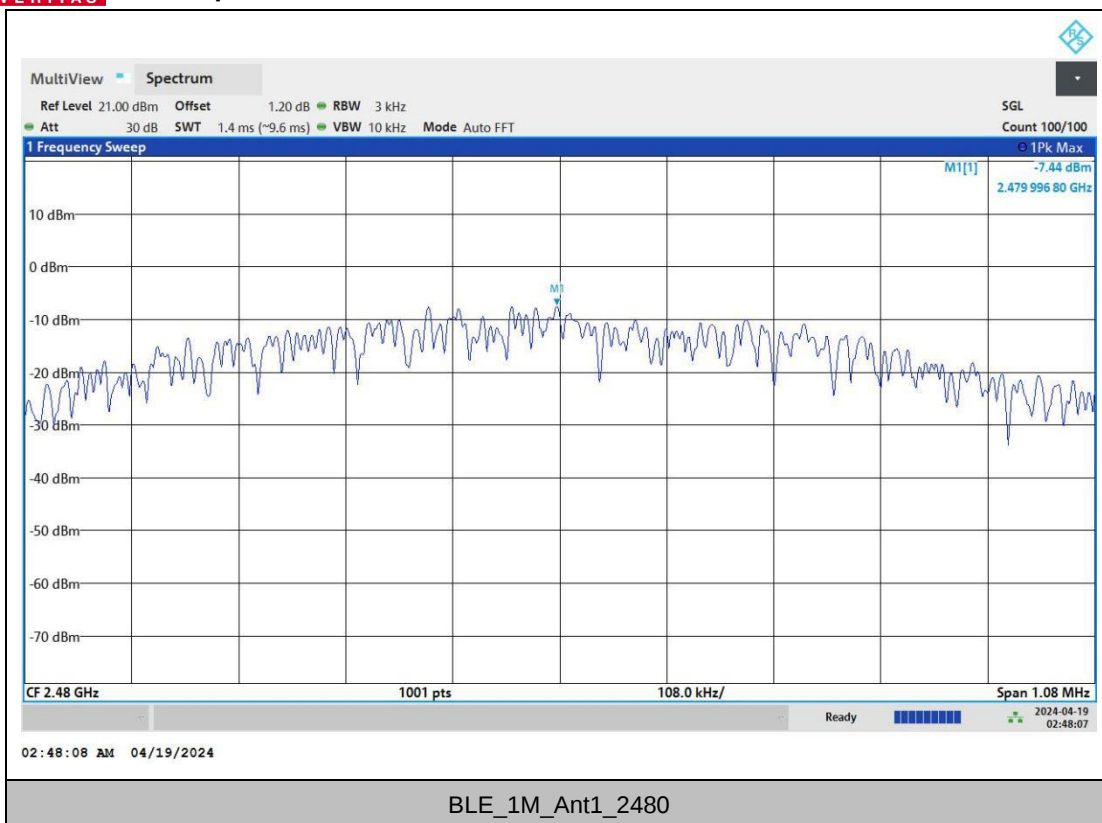
## TEST GRAPHS





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Test Report No.: W7L-240409W001RF01





## BAND EDGE MEASUREMENTS

### TEST RESULT

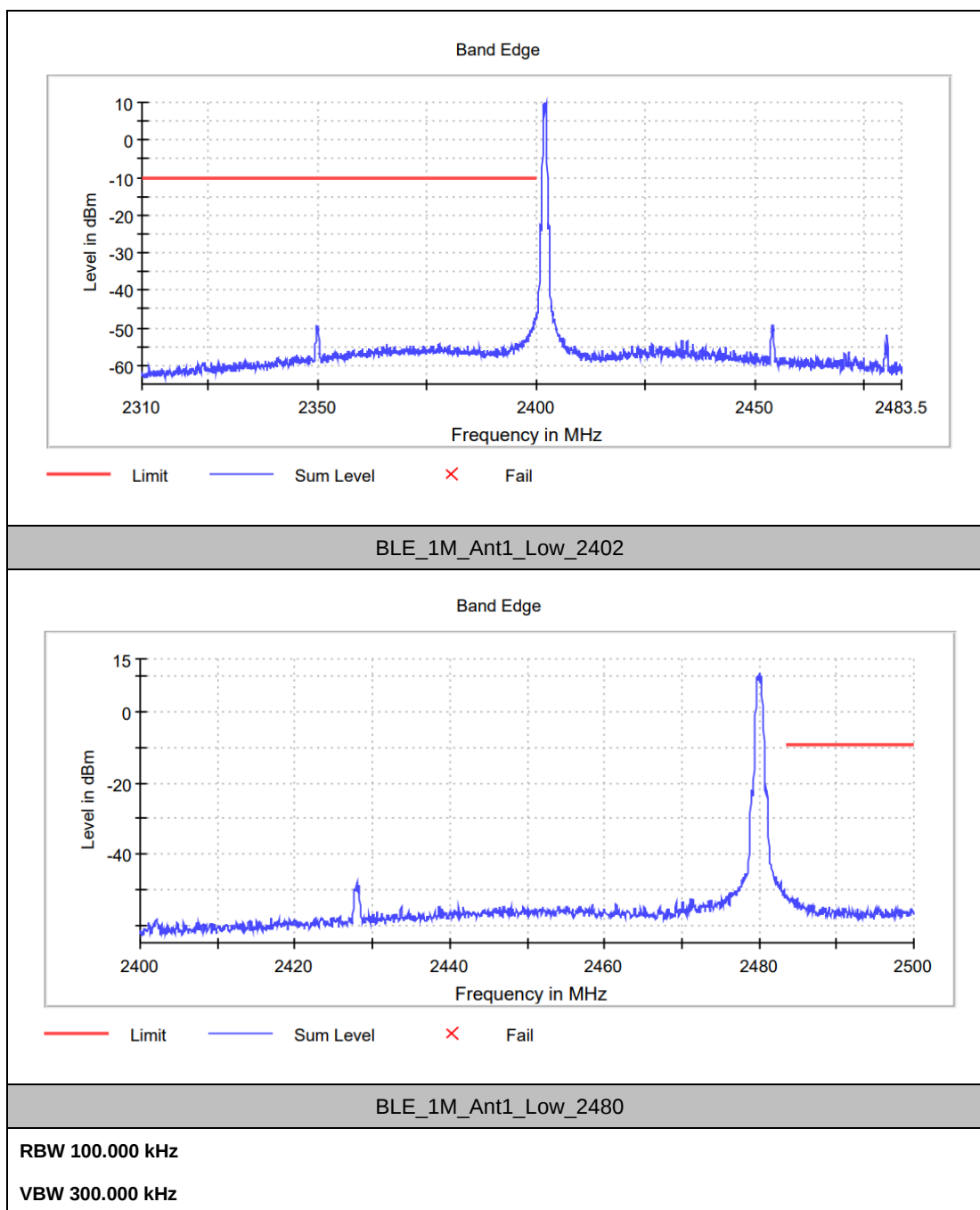
| TestMode | Antenna | ChName | Channel | RefLevel[dBm]  | Result[dBm]    | Limit[dBm]     | Verdict |
|----------|---------|--------|---------|----------------|----------------|----------------|---------|
| BLE_1M   | Ant1    | Low    | 2402    | See test graph | See test graph | See test graph | PASS    |
|          |         | High   | 2480    | See test graph | See test graph | See test graph | PASS    |



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Test Report No.: W7L-240409W001RF01

## TEST GRAPHS



**CONDUCTED SPURIOUS EMISSION****TEST RESULT**

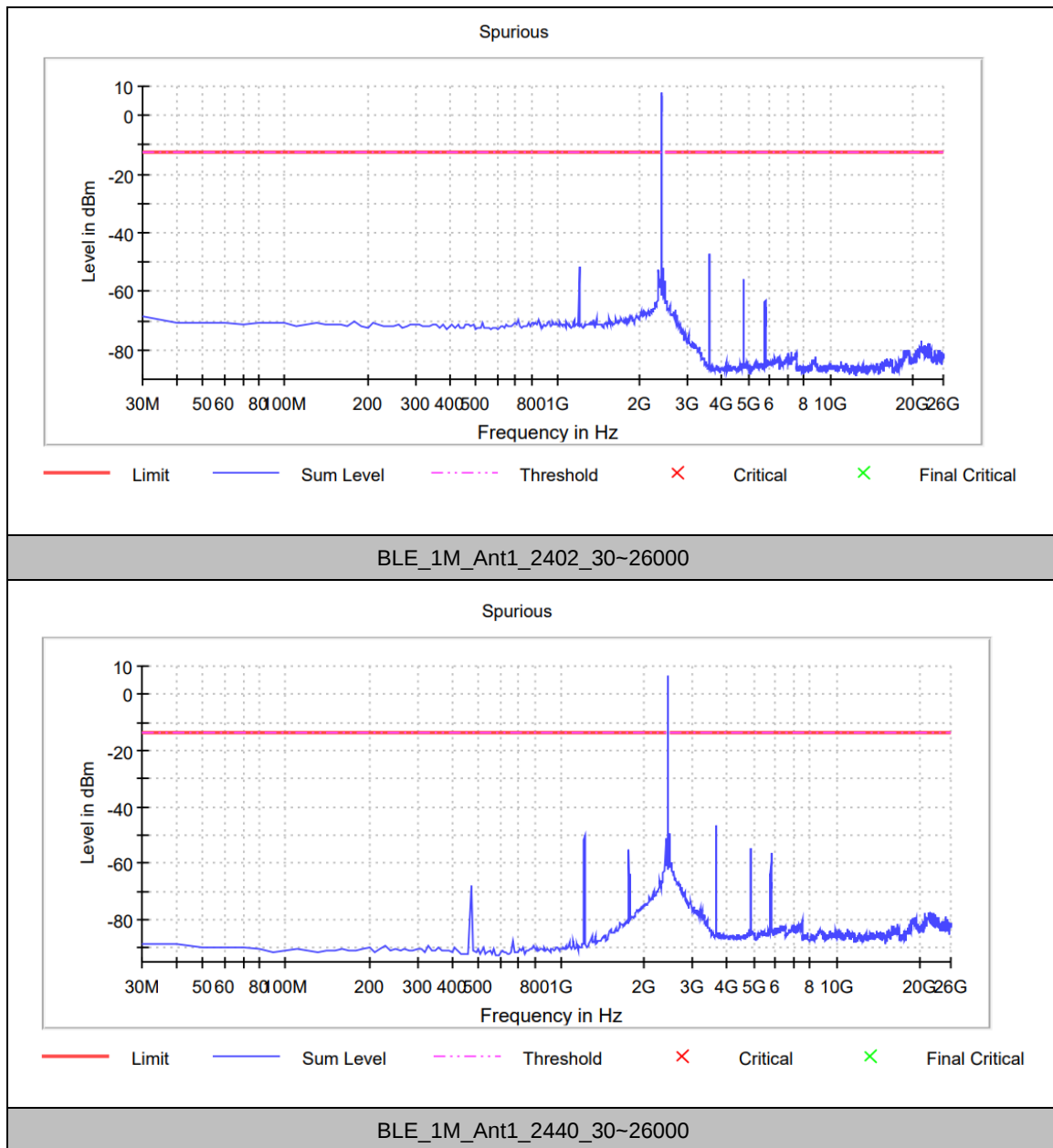
| TestMode | Antenna | Channel | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm]       | Limit[dBm]        | Verdict |
|----------|---------|---------|--------------------|-------------------|-------------------|-------------------|---------|
| BLE_1M   | Ant1    | 2402    | 30~26000           | See test<br>graph | See test<br>graph | See test<br>graph | PASS    |
|          |         | 2440    | 30~26000           | See test<br>graph | See test<br>graph | See test<br>graph | PASS    |
|          |         | 2480    | 30~26000           | See test<br>graph | See test<br>graph | See test<br>graph | PASS    |

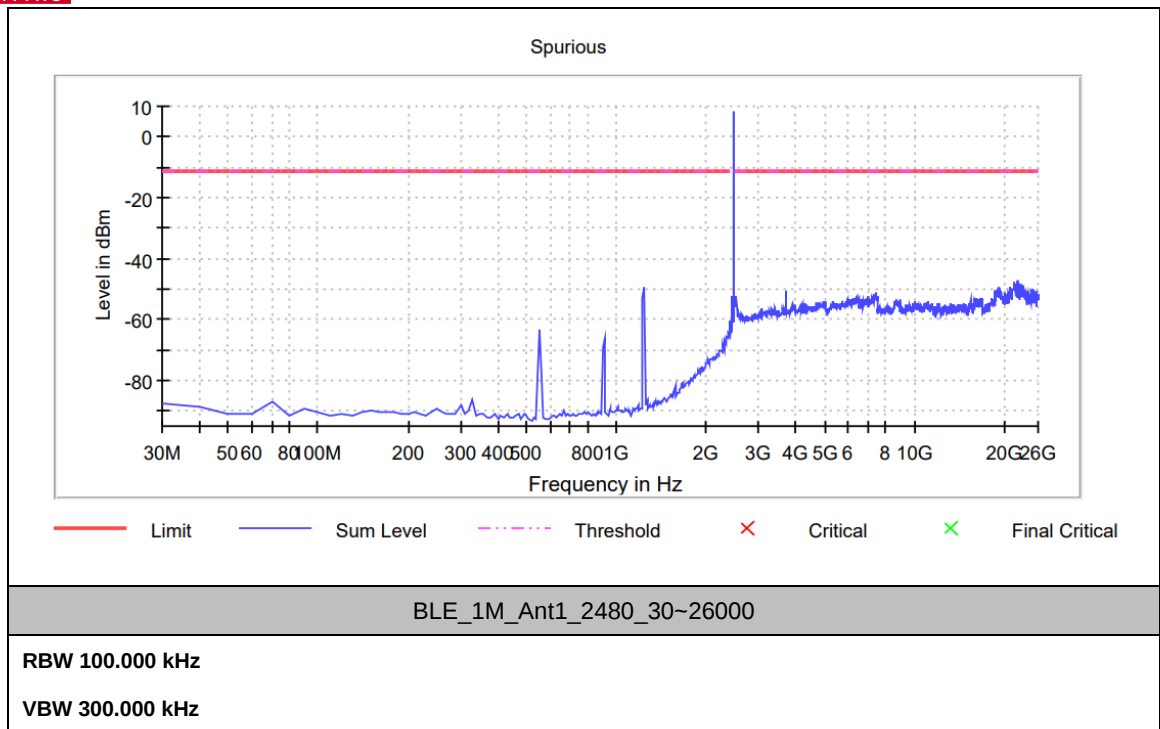


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VERITAS

Test Report No.: W7L-240409W001RF01

## TEST GRAPHS







Test Report No.: W7L-240409W001RF01

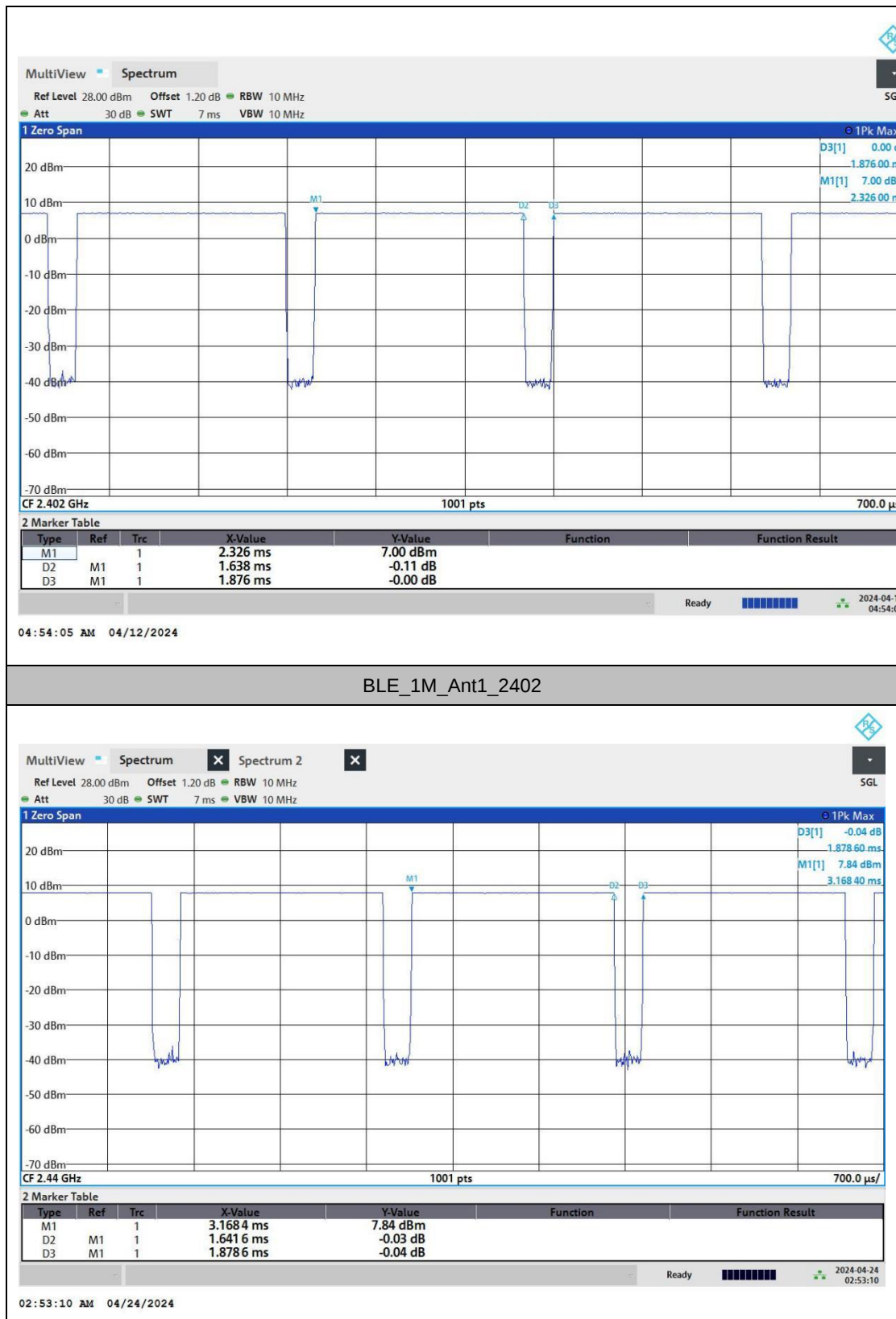
## DUTY CYCLE

## TEST RESULT

| TestMode | Antenna | Channel | ON Time<br>[ms] | Period[<br>ms] | X     | DC [%] | xFactor | Limit | Verdict |
|----------|---------|---------|-----------------|----------------|-------|--------|---------|-------|---------|
| BLE_1M   | Ant1    | 2402    | 1.638           | 1.876          | 87.31 | 87.31% | 0.59    | ---   | PASS    |
|          |         | 2440    | 1.642           | 1.879          | 87.39 | 87.39% | 0.59    | ---   | PASS    |
|          |         | 2480    | 1.642           | 1.879          | 87.39 | 87.39% | 0.59    | ---   | PASS    |



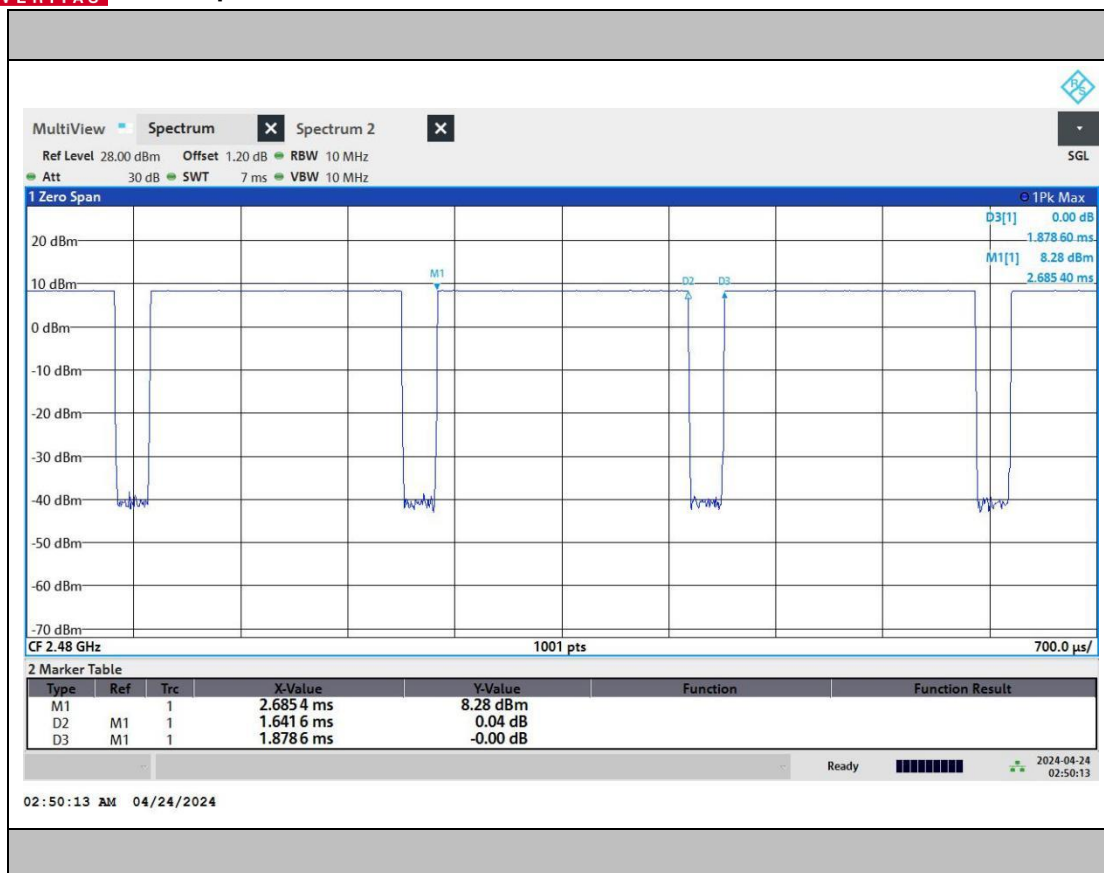
## TEST GRAPHS





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Test Report No.: W7L-240409W001RF01





Test Report No.: W7L-240409W001RF01

## LEFT EARPHONE:

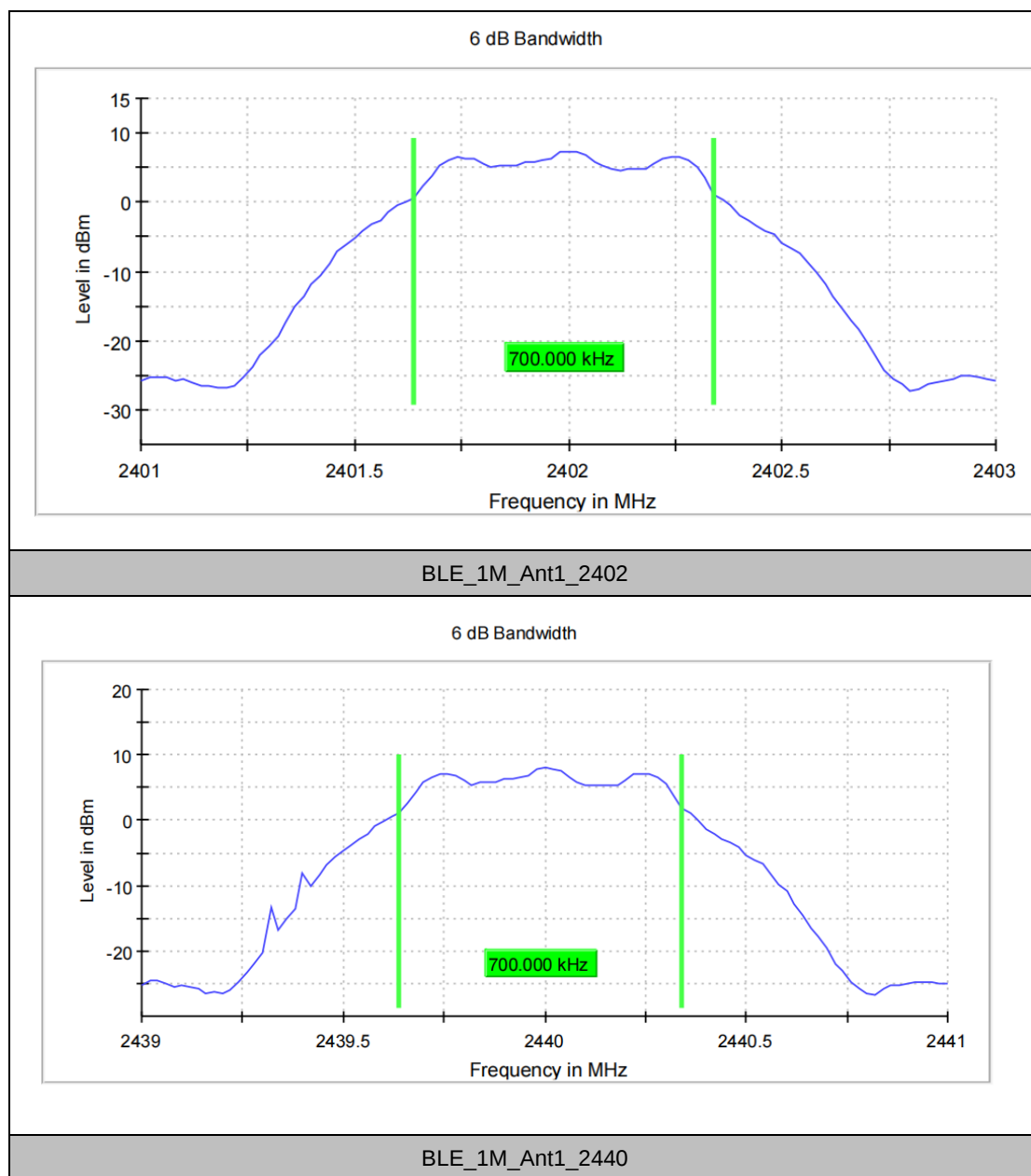
## DTS BANDWIDTH

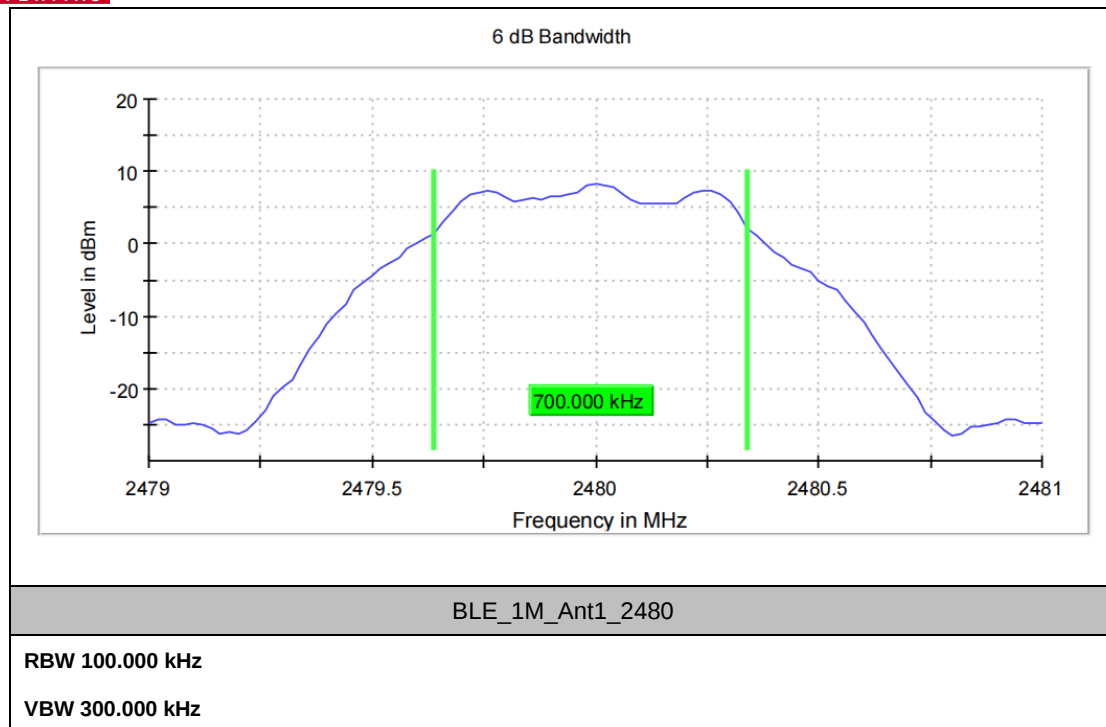
## TEST RESULT

| TestMode | Antenna | Channel | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|-----------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402    | 0.700           | 2401.640 | 2402.340 | 0.5        | PASS    |
|          |         | 2440    | 0.700           | 2439.640 | 2440.340 | 0.5        | PASS    |
|          |         | 2480    | 0.700           | 2479.640 | 2480.340 | 0.5        | PASS    |



## TEST GRAPHS







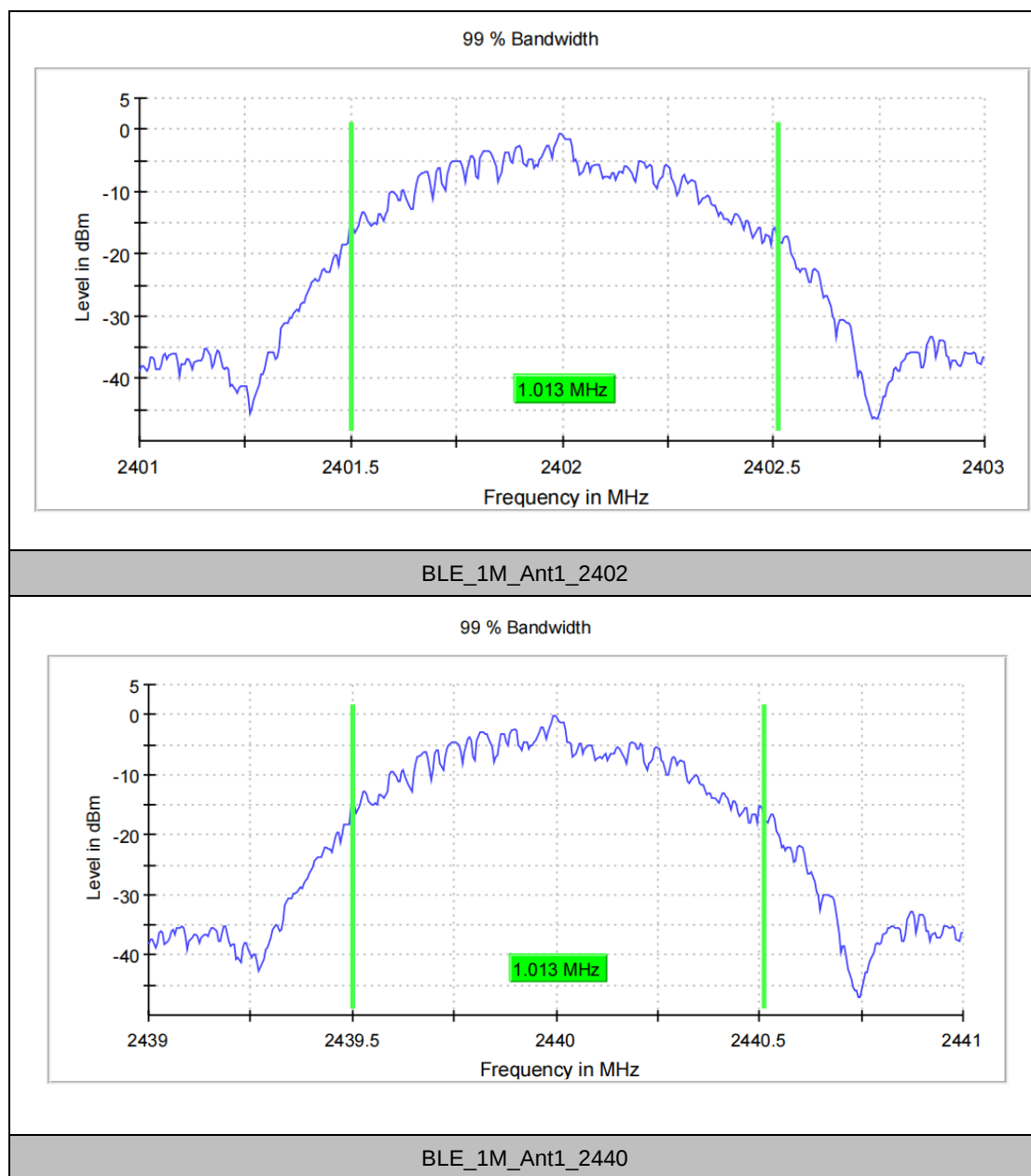
## OCCUPIED CHANNEL BANDWIDTH

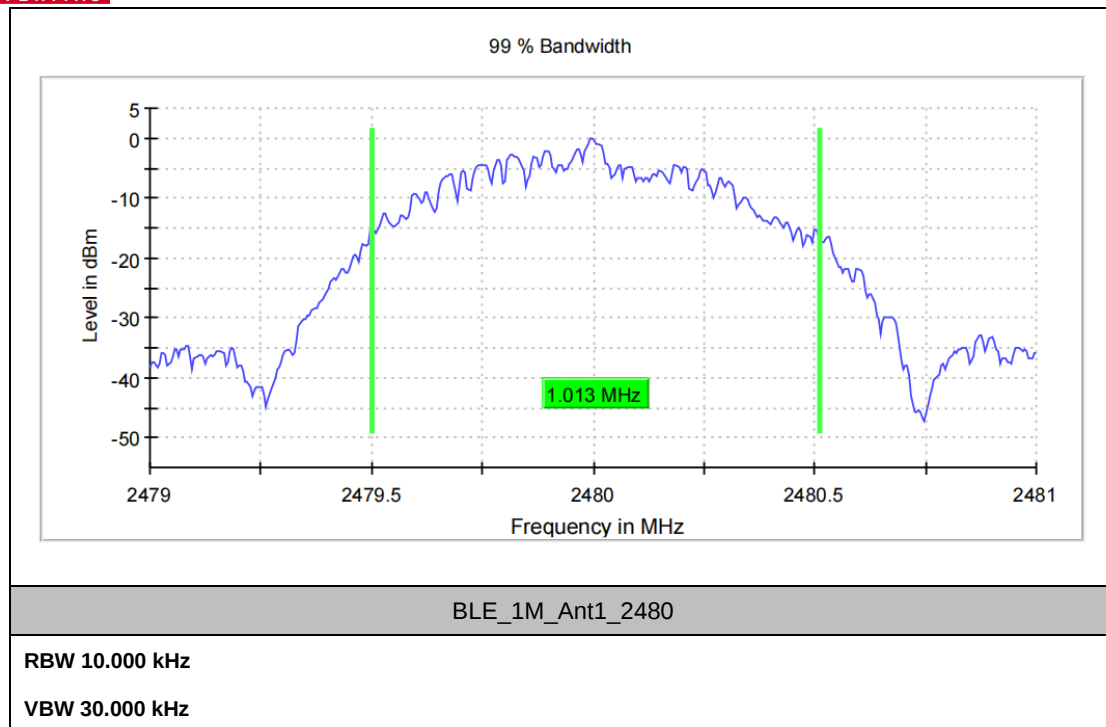
### TEST RESULT

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402    | 1.013     | 2401.501 | 2402.514 | ---        | PASS    |
|          |         | 2440    | 1.013     | 2439.501 | 2440.514 | ---        | PASS    |
|          |         | 2480    | 1.013     | 2479.501 | 2480.514 | ---        | PASS    |



## TEST GRAPHS







## MAXIMUM CONDUCTED OUTPUT POWER

### TEST RESULT

| TestMode | Antenna | Channel | Average<br>power<br>[dBm] | Peak<br>power<br>[dBm] | Peak<br>power<br>[mw] | Conduct<br>ed Limit<br>[dBm] | EIRP<br>[dBm] | EIRP<br>[mw] | EIRP<br>Limit<br>[dBm] | Verdict | Power<br>Setting |
|----------|---------|---------|---------------------------|------------------------|-----------------------|------------------------------|---------------|--------------|------------------------|---------|------------------|
| BLE_1M   | Ant1    | 2402    | 6.13                      | 6.88                   | 4.87                  | ≤30                          | -1.22         | 0.75         | ≤36                    | PASS    | Default          |
|          |         | 2440    | 6.65                      | 7.44                   | 5.55                  | ≤30                          | -0.66         | 0.86         | ≤36                    | PASS    | Default          |
|          |         | 2480    | 6.74                      | <b>7.66</b>            | <b>5.83</b>           | ≤30                          | <b>-0.44</b>  | <b>0.90</b>  | ≤36                    | PASS    | Default          |

Note:EIRP=Peak Power+Gain



## MAXIMUM POWER SPECTRAL DENSITY

### TEST RESULT

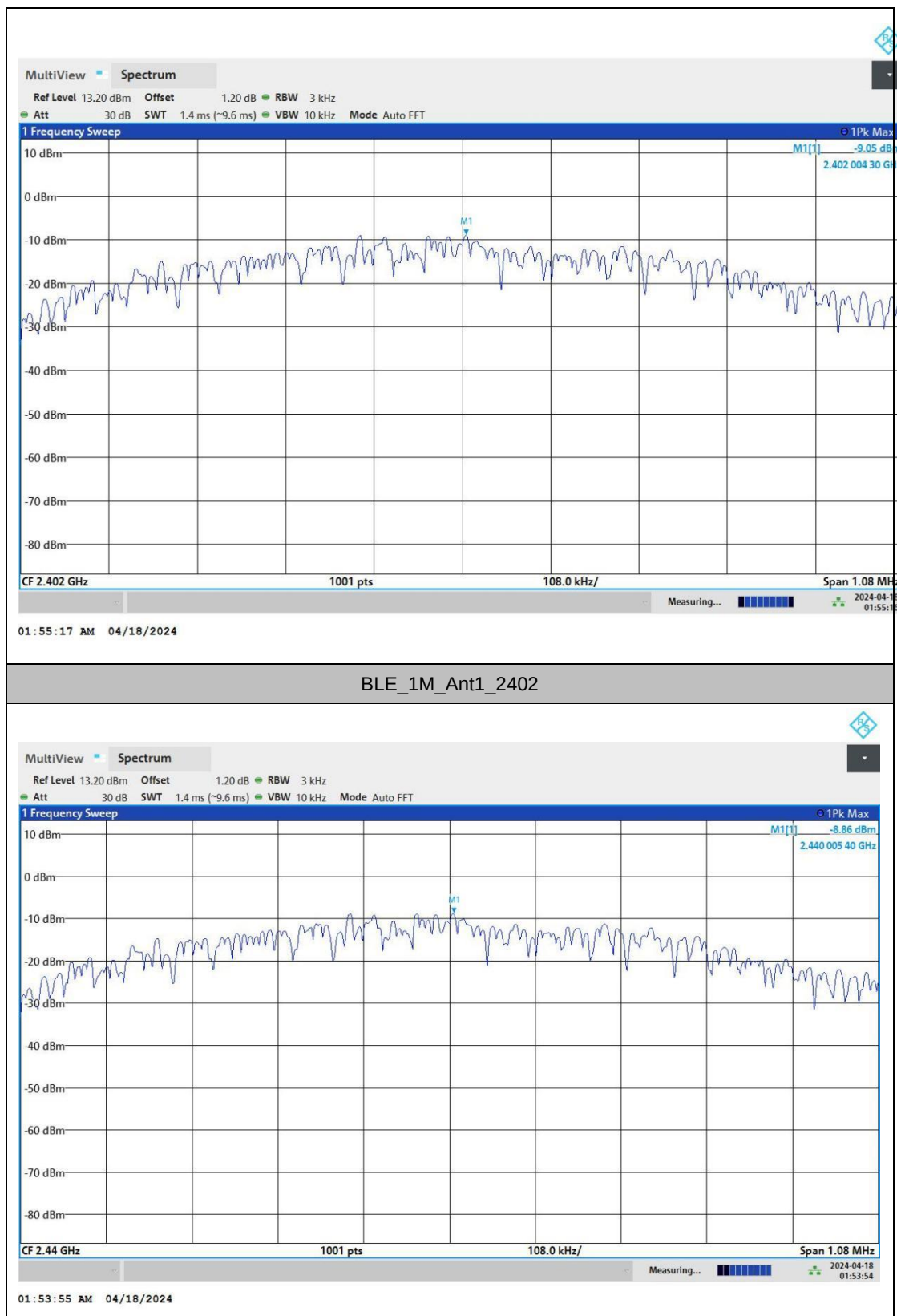
| TestMode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402    | -9.05            | ≤8              | PASS    |
|          |         | 2440    | -8.86            | ≤8              | PASS    |
|          |         | 2480    | -8.65            | ≤8              | PASS    |



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Test Report No.: W7L-240409W001RF01

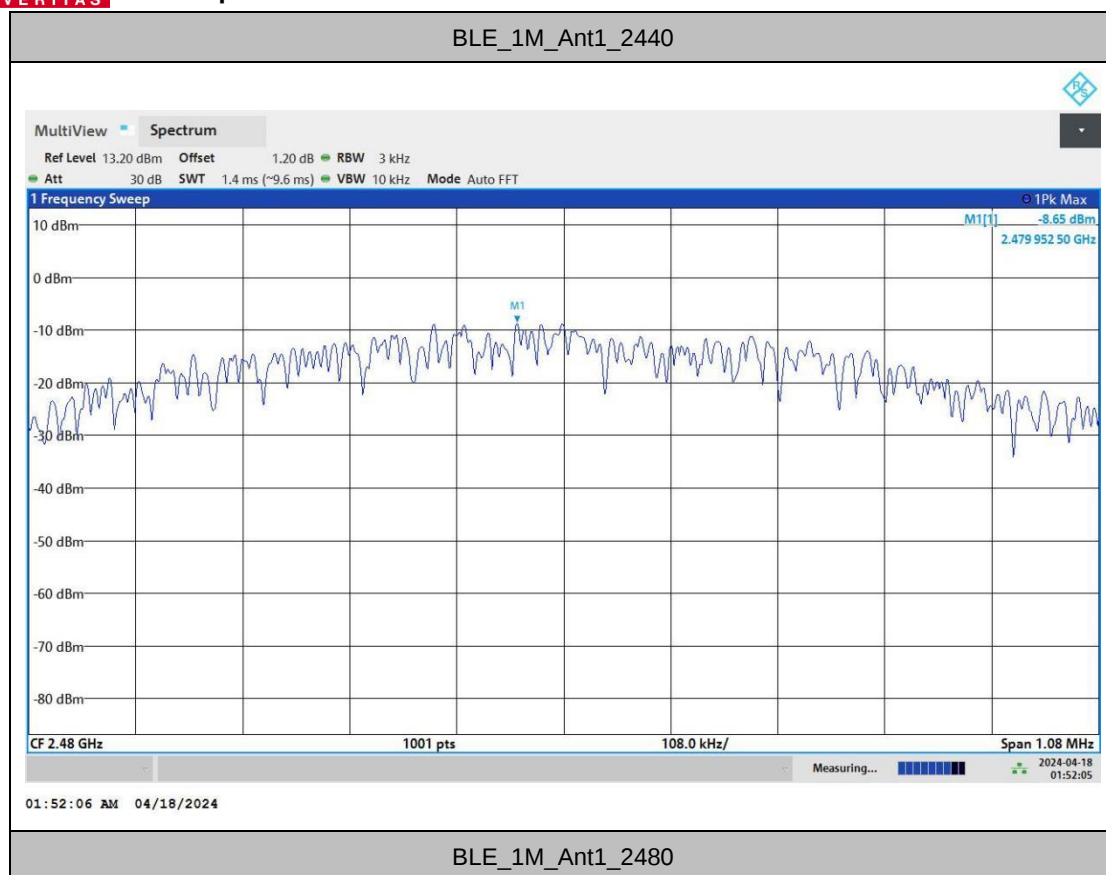
## TEST GRAPHS





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VERITAS

Test Report No.: W7L-240409W001RF01





## **BAND EDGE MEASUREMENTS**

### **TEST RESULT**

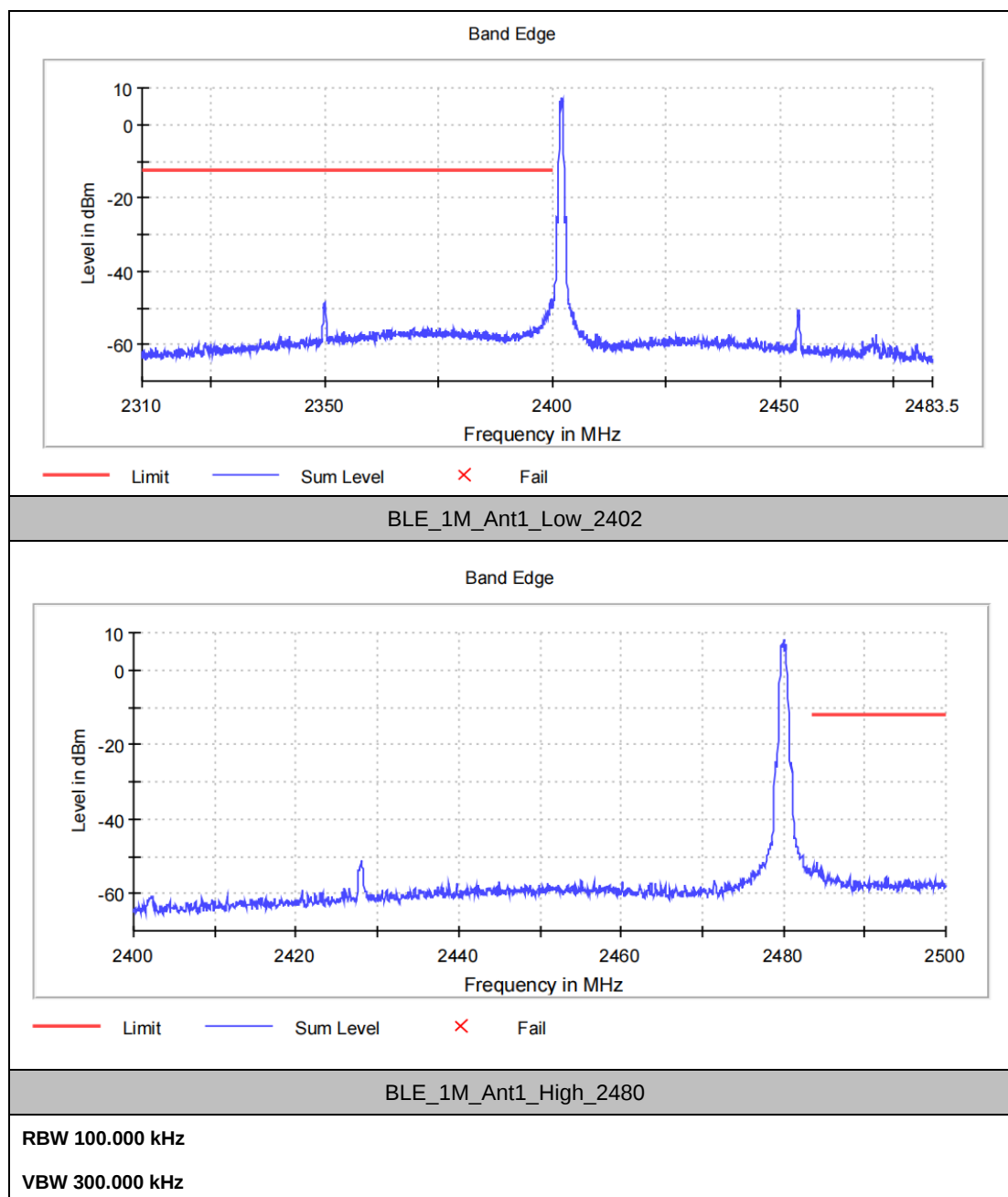
| TestMode | Antenna | ChName | Channel | RefLevel[dBm]  | Result[dBm]    | Limit[dBm]     | Verdict |
|----------|---------|--------|---------|----------------|----------------|----------------|---------|
| BLE_1M   | Ant1    | Low    | 2402    | See test graph | See test graph | See test graph | PASS    |
|          |         | High   | 2480    | See test graph | See test graph | See test graph | PASS    |



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Test Report No.: W7L-240409W001RF01

## TEST GRAPHS





## CONDUCTED SPURIOUS EMISSION

### TEST RESULT

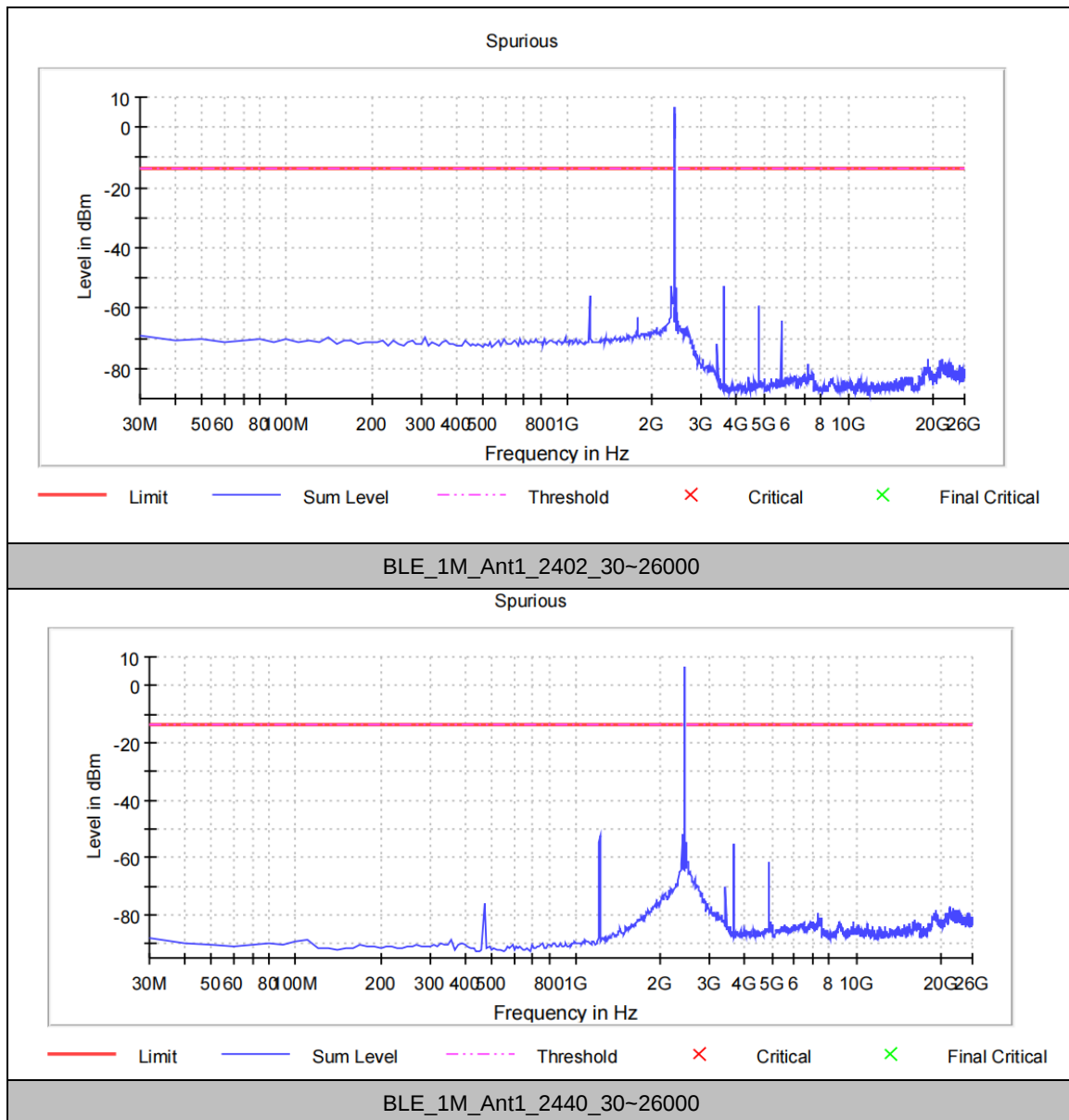
| TestMode | Antenna | Channel | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm]       | Limit[dBm]        | Verdict |
|----------|---------|---------|--------------------|-------------------|-------------------|-------------------|---------|
| BLE_1M   | Ant1    | 2402    | 30~26000           | See test<br>graph | See test<br>graph | See test<br>graph | PASS    |
|          |         | 2440    | 30~26000           | See test<br>graph | See test<br>graph | See test<br>graph | PASS    |
|          |         | 2480    | 30~26000           | See test<br>graph | See test<br>graph | See test<br>graph | PASS    |



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Test Report No.: W7L-240409W001RF01

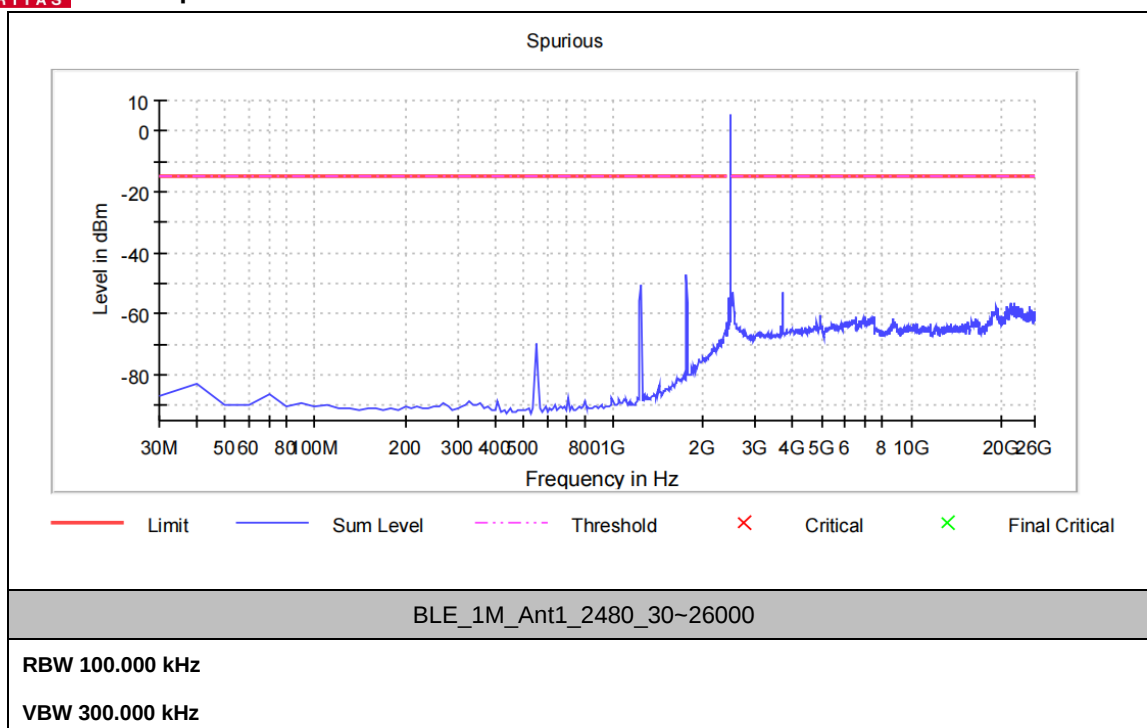
## TEST GRAPHS





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Test Report No.: W7L-240409W001RF01





Test Report No.: W7L-240409W001RF01

## DUTY CYCLE

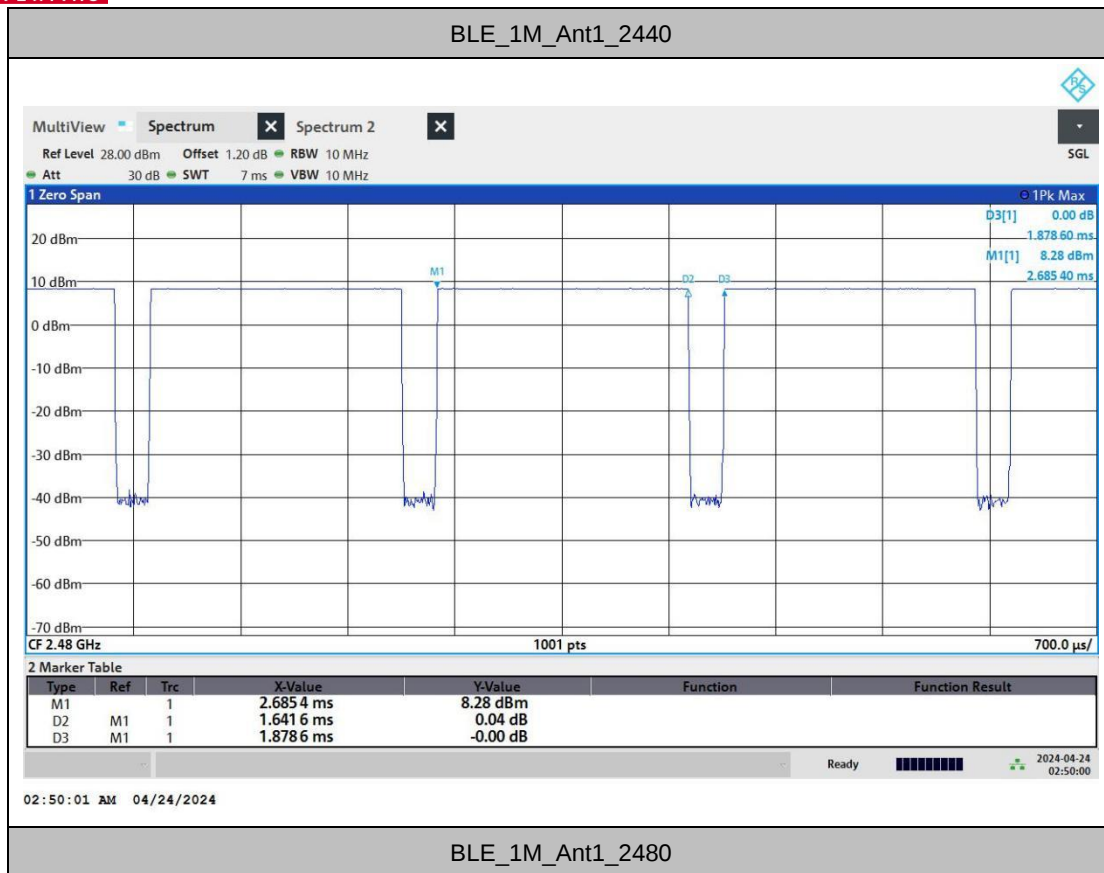
## TEST RESULT

| TestMode | Antenna | Channel | ON Time<br>[ms] | Period[<br>ms] | X     | DC [%] | xFactor | Limit | Verdict |
|----------|---------|---------|-----------------|----------------|-------|--------|---------|-------|---------|
| BLE_1M   | Ant1    | 2402    | 1.632           | 1.872          | 87.18 | 87.18% | 0.6     | ---   | PASS    |
|          |         | 2440    | 1.632           | 1.872          | 87.18 | 87.18% | 0.6     | ---   | PASS    |
|          |         | 2480    | 1.632           | 1.879          | 86.85 | 86.85% | 0.61    | ---   | PASS    |



## TEST GRAPHS





--END--