

Appendix Test Data

|                  |                  |                    |             |
|------------------|------------------|--------------------|-------------|
| Report No.:      | 1813C40041812501 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2024.09.03       | Finish Test Date:  | 2024.09.03  |
| Test Engineer:   | Joker Huang      | Auditor:           | Justin Feng |
| Temperature:     | 25.3℃            | Relative Humidity: | 48%         |
| Pressure:        | 101kPa           |                    |             |

Appendix A: 6dB Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.620        | 2401.656 | 2402.276 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2440           | 0.668        | 2439.652 | 2440.320 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2480           | 0.716        | 2479.620 | 2480.336 | 0.5        | PASS    |



## Test Graphs



## Shenzhen Anbotech Compliance Laboratory Limited

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## Appendix B: 99% Occupied Bandwidth

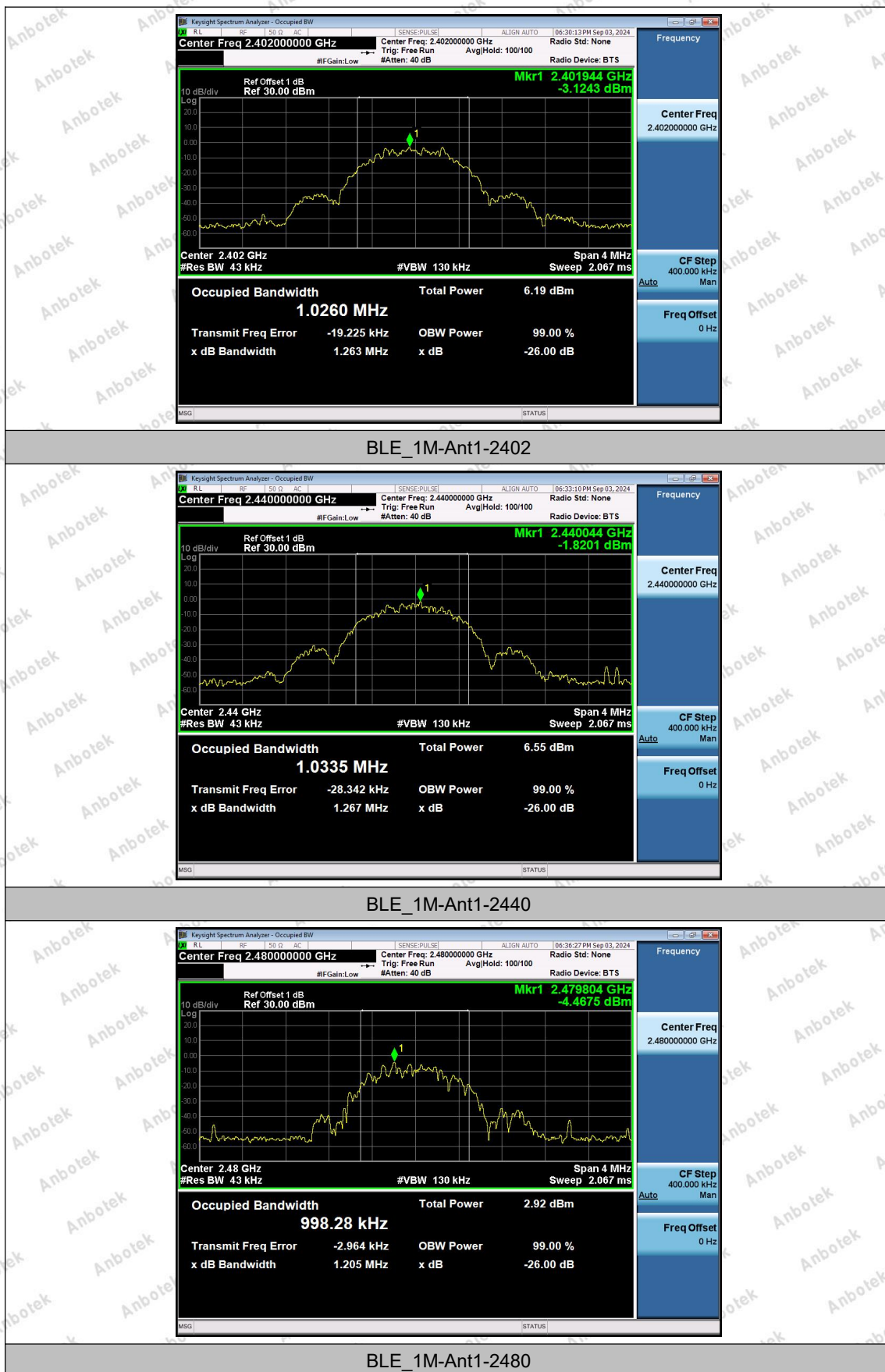
### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 1.0260       | 2401.4678 | 2402.4938 | ---        | ---     |
| BLE_1M   | Ant1    | 2440           | 1.0335       | 2439.4549 | 2440.4884 | ---        | ---     |
| BLE_1M   | Ant1    | 2480           | 0.99828      | 2479.4979 | 2480.4962 | ---        | ---     |





## Test Graphs



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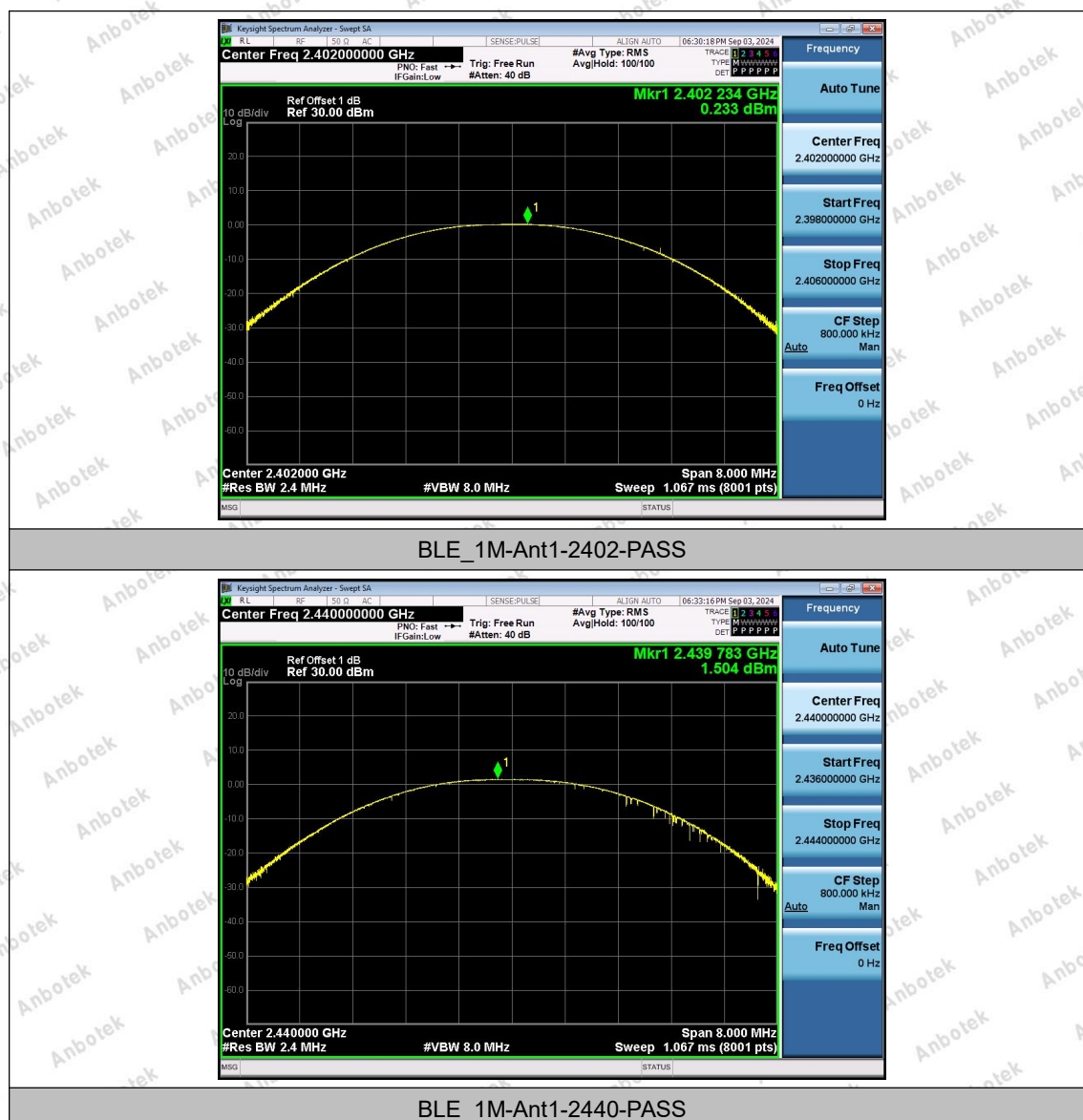


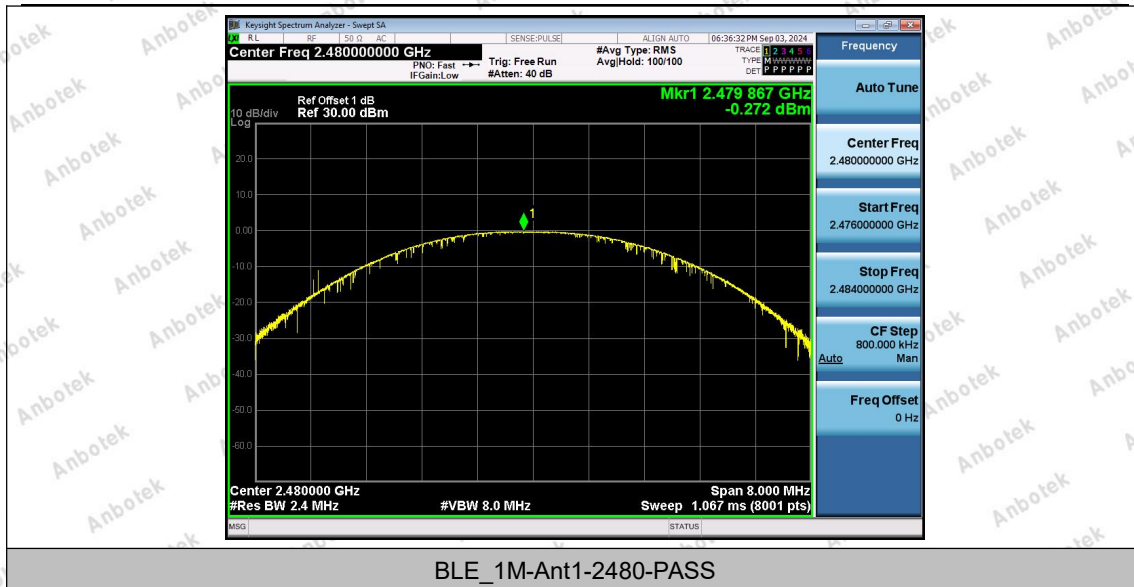
## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------|----------------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.23                      | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2440           | 1.50                      | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2480           | -0.27                     | ≤30                  | PASS    |

### Test Graphs Peak





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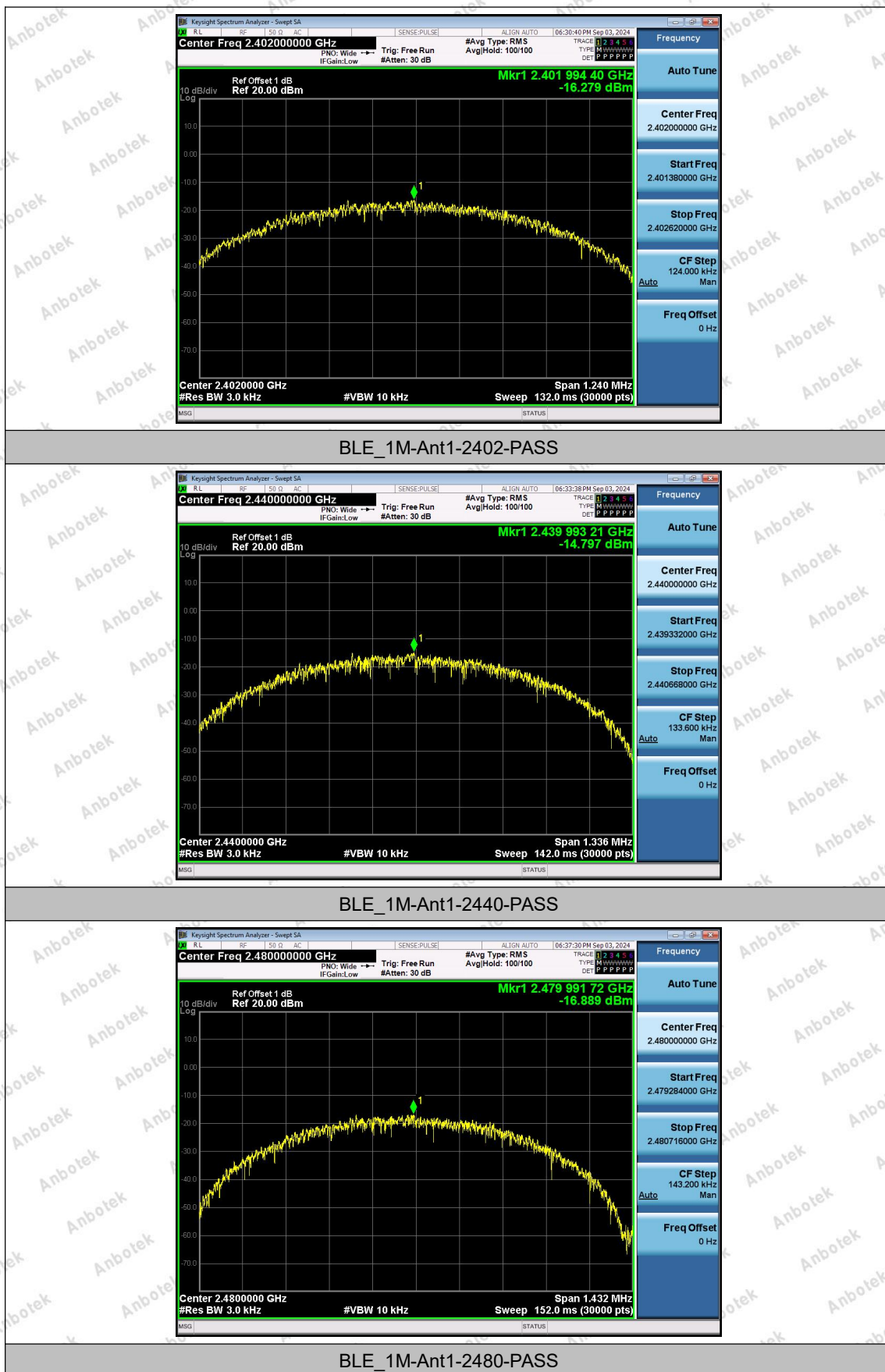
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -16.28           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -14.80           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -16.89           | ≤8.00           | PASS    |



## Test Graphs



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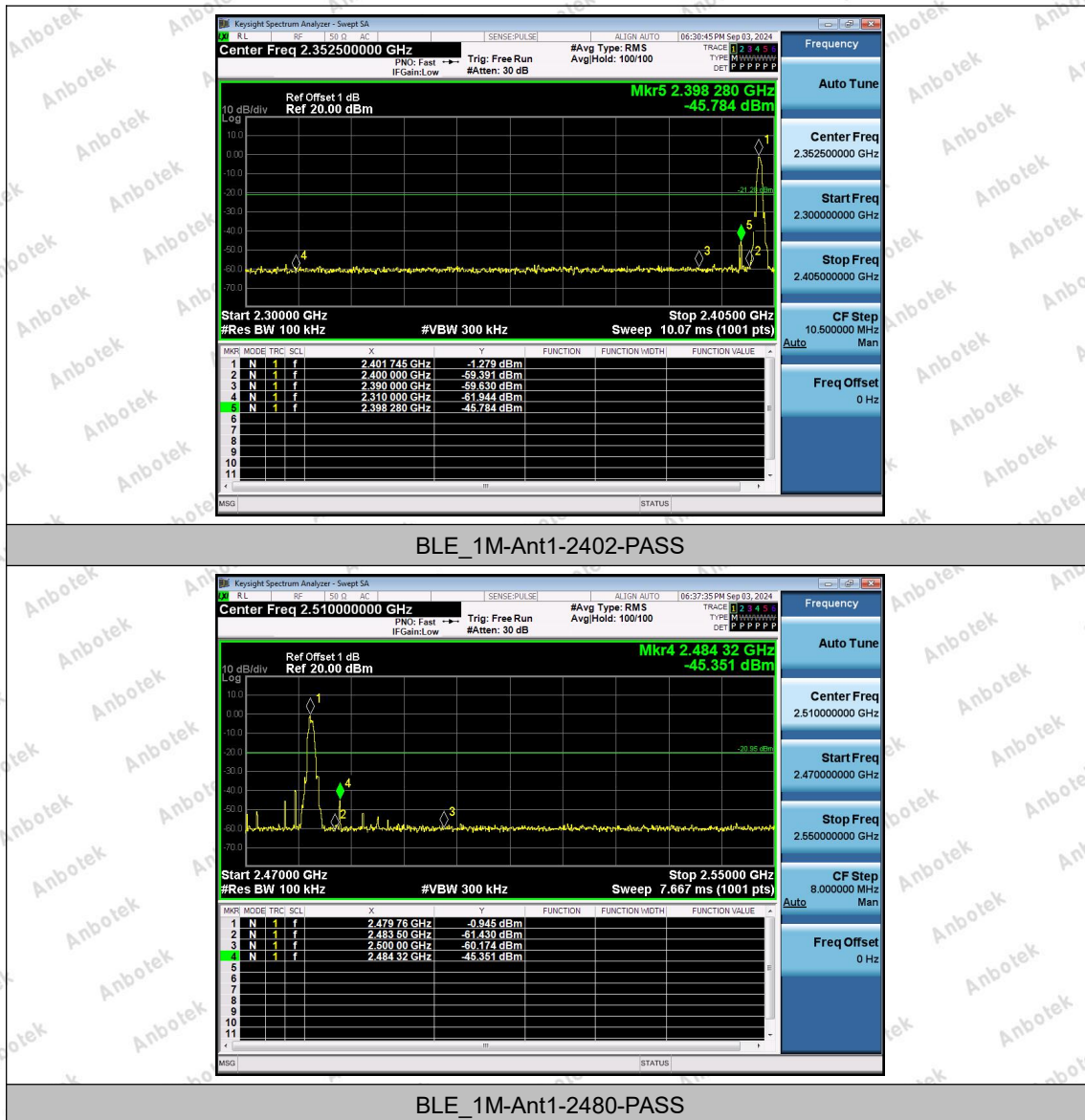
**Appendix E: Band edge measurements**

**Test Result**

| TestMode | Antenna | ChName | Frequency<br>[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|--------------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402               | -1.28         | -45.78      | ≤-21.28    | PASS    |
| BLE_1M   | Ant1    | High   | 2480               | -0.95         | -45.35      | ≤-20.95    | PASS    |



## Test Graphs



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## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency<br>[MHz] | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------------------|--------------------|-------------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402               | 0~Reference        | -2.35             | -2.35       | ---        | PASS    |
| BLE_1M   | Ant1    | 2402               | 30~1000            | -2.35             | -68.34      | ≤-22.35    | PASS    |
| BLE_1M   | Ant1    | 2402               | 1000~26500         | -2.35             | -53.67      | ≤-22.35    | PASS    |
| BLE_1M   | Ant1    | 2440               | 0~Reference        | 0.30              | 0.30        | ---        | PASS    |
| BLE_1M   | Ant1    | 2440               | 30~1000            | 0.30              | -67.97      | ≤-19.7     | PASS    |
| BLE_1M   | Ant1    | 2440               | 1000~26500         | 0.30              | -53.26      | ≤-19.7     | PASS    |
| BLE_1M   | Ant1    | 2480               | 0~Reference        | -1.16             | -1.16       | ---        | PASS    |
| BLE_1M   | Ant1    | 2480               | 30~1000            | -1.16             | -68.89      | ≤-21.16    | PASS    |
| BLE_1M   | Ant1    | 2480               | 1000~26500         | -1.16             | -52.85      | ≤-21.16    | PASS    |





## Test Graphs



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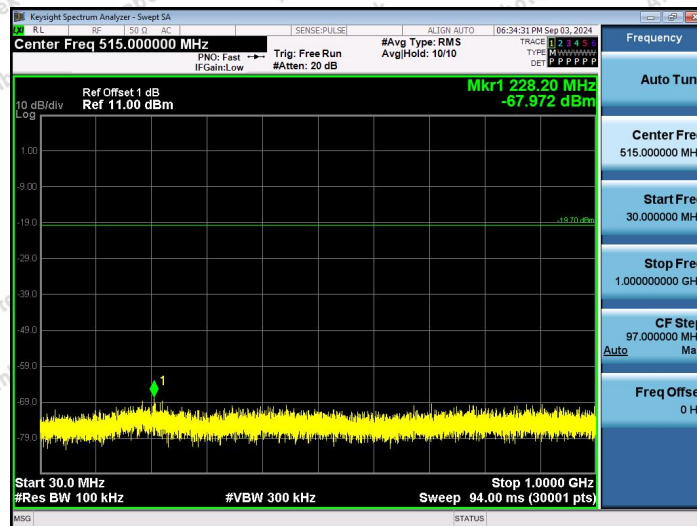


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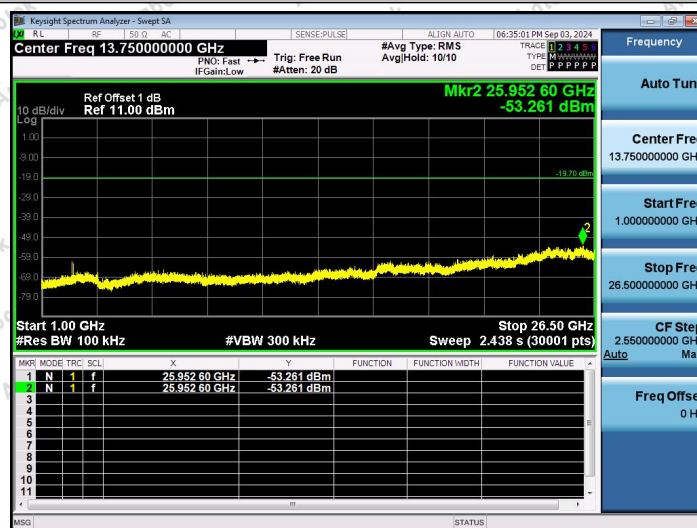




BLE\_1M-Ant1-2440-0~Reference-PASS



BLE\_1M-Ant1-2440-30~1000-PASS



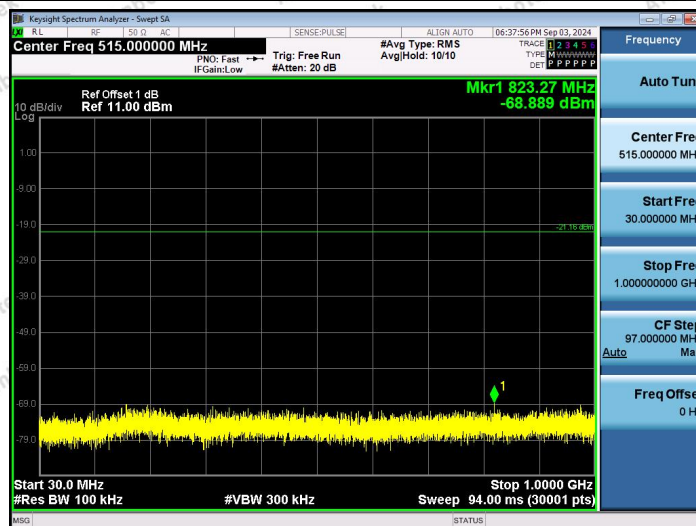
BLE\_1M-Ant1-2440-1000~26500-PASS



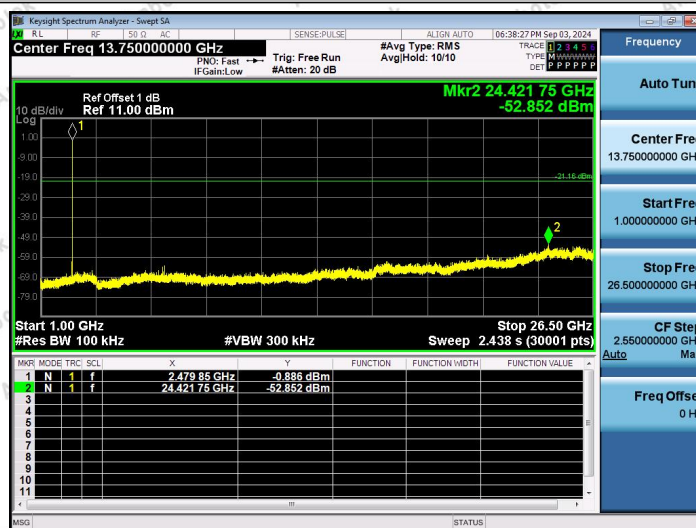




BLE\_1M-Ant1-2480-0~Reference-PASS



BLE\_1M-Ant1-2480-30~1000-PASS



BLE\_1M-Ant1-2480-1000~26500-PASS



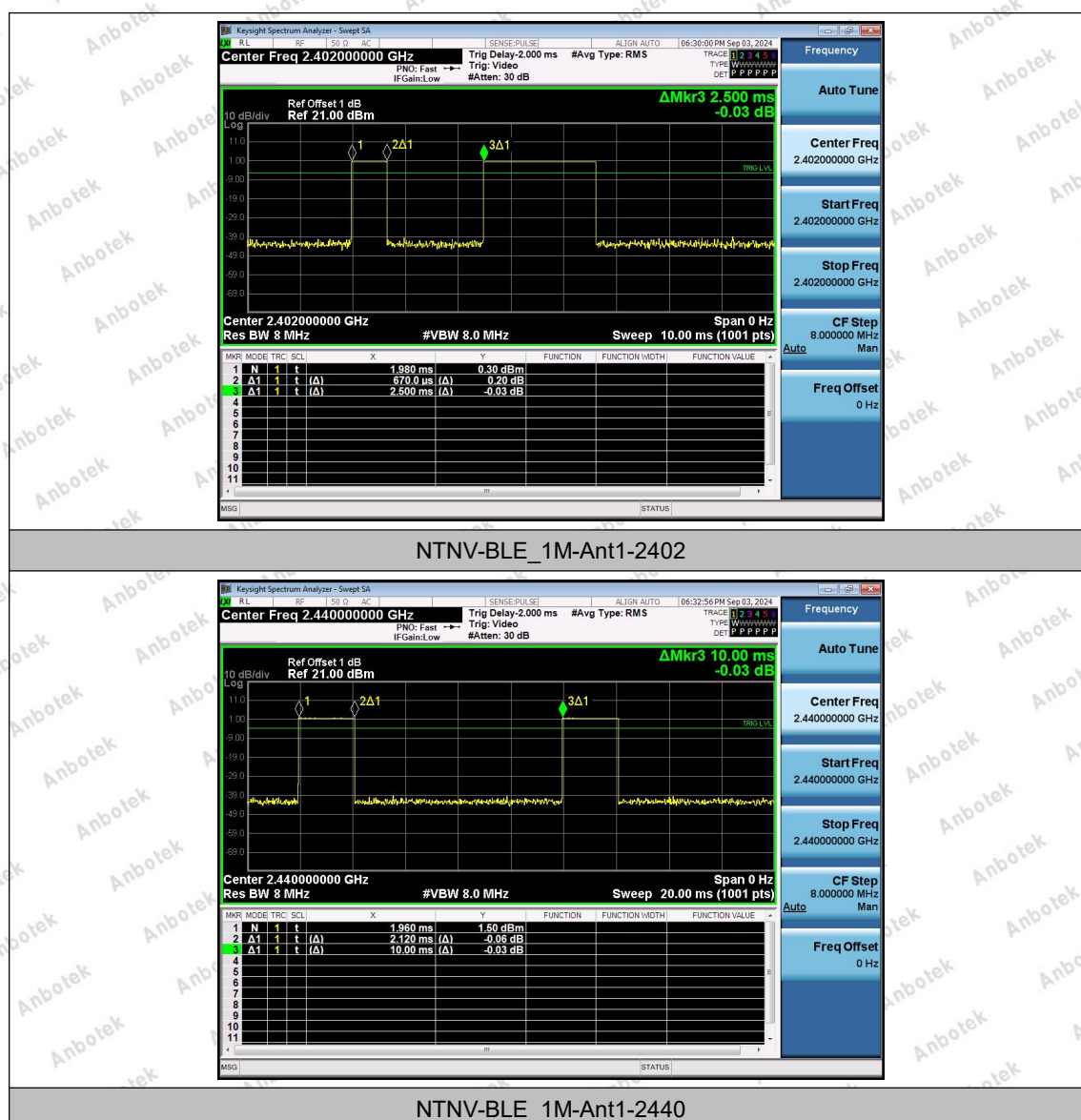


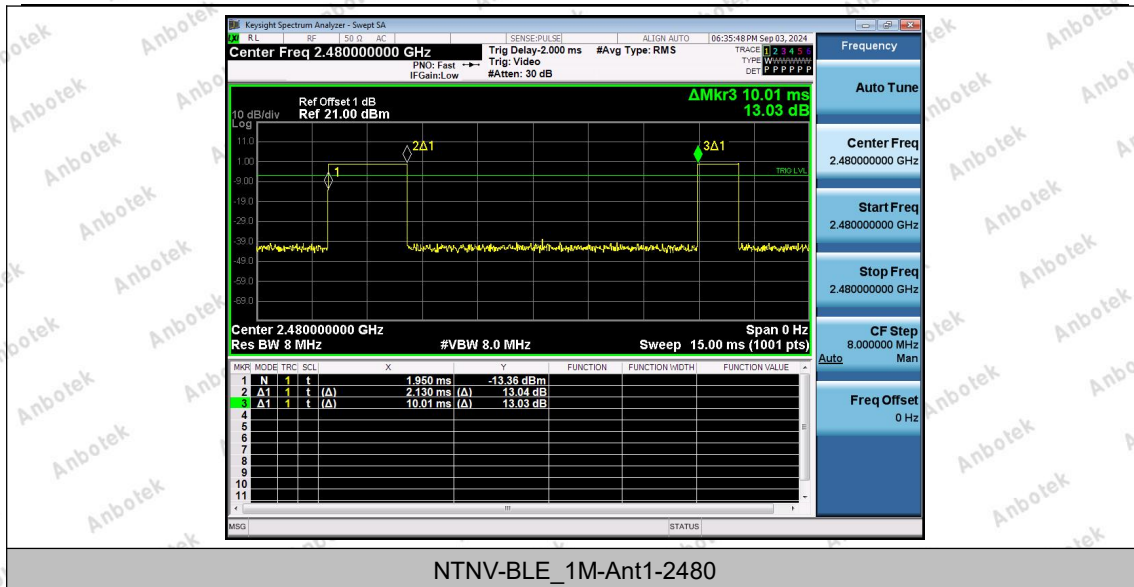
## Appendix G: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| BLE_1M   | Ant1    | 2402           | 0.67            | 2.50           | 26.80             | 5.72                     |
| BLE_1M   | Ant1    | 2440           | 2.12            | 10.00          | 21.20             | 6.74                     |
| BLE_1M   | Ant1    | 2480           | 2.13            | 10.01          | 21.28             | 6.72                     |

### Test Graphs





---End---

