

Appendix Test Data

|                  |                  |                    |             |
|------------------|------------------|--------------------|-------------|
| Report No.:      | 182512C400421101 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2024.08.26       | Finish Test Date:  | 2024.08.26  |
| Test Engineer:   | Joker Wang       | Auditor:           | Justin Feng |
| Temperature:     | 24.9℃            | Relative Humidity: | 53%         |
| Pressure:        | 101kPa           |                    |             |

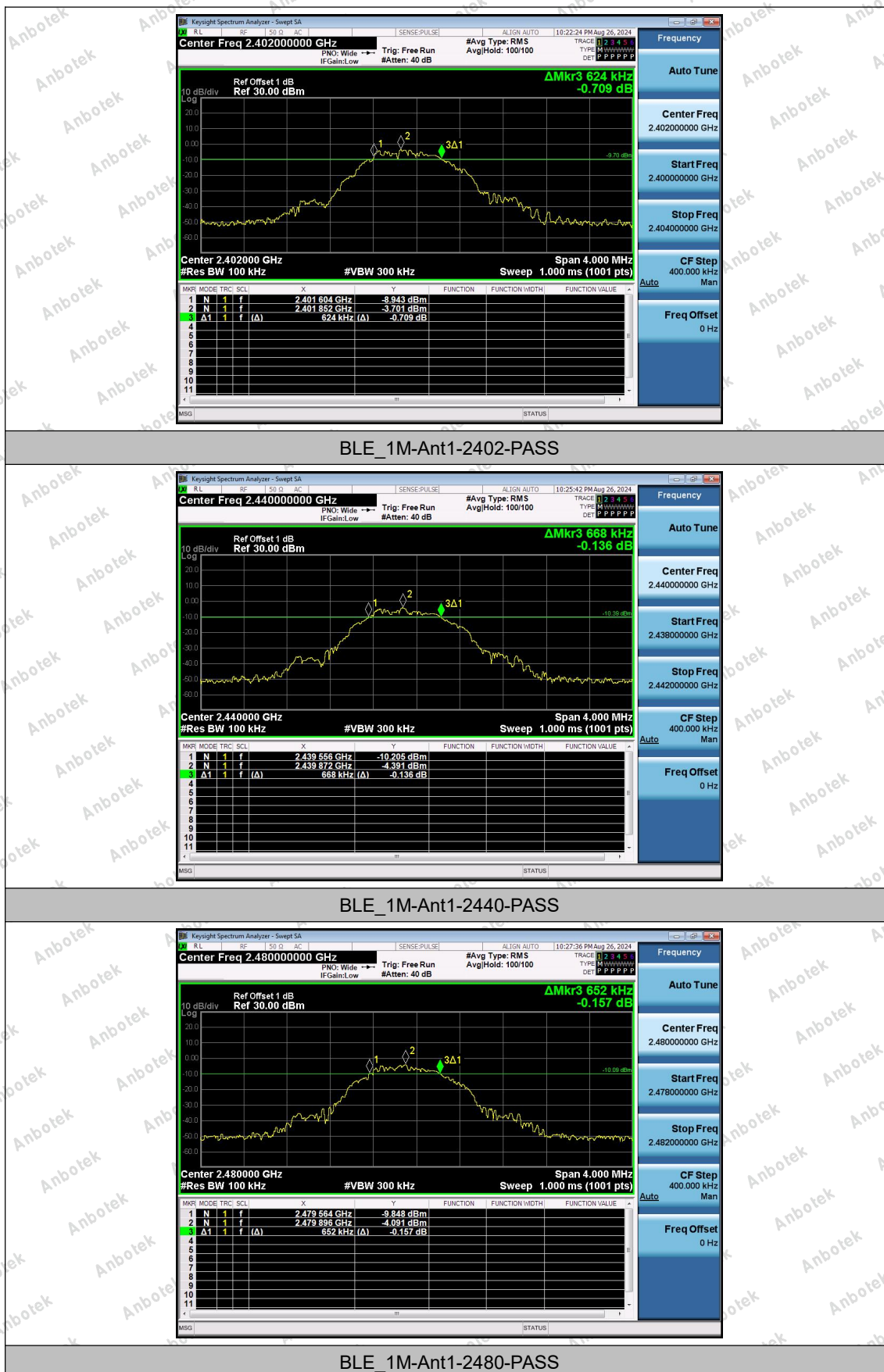
Appendix A: 6dB Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.624        | 2401.604 | 2402.228 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2440           | 0.668        | 2439.556 | 2440.224 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2480           | 0.652        | 2479.564 | 2480.216 | 0.5        | PASS    |



## Test Graphs



## Shenzhen Anbotech Compliance Laboratory Limited

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## Appendix B: 99% Occupied Bandwidth

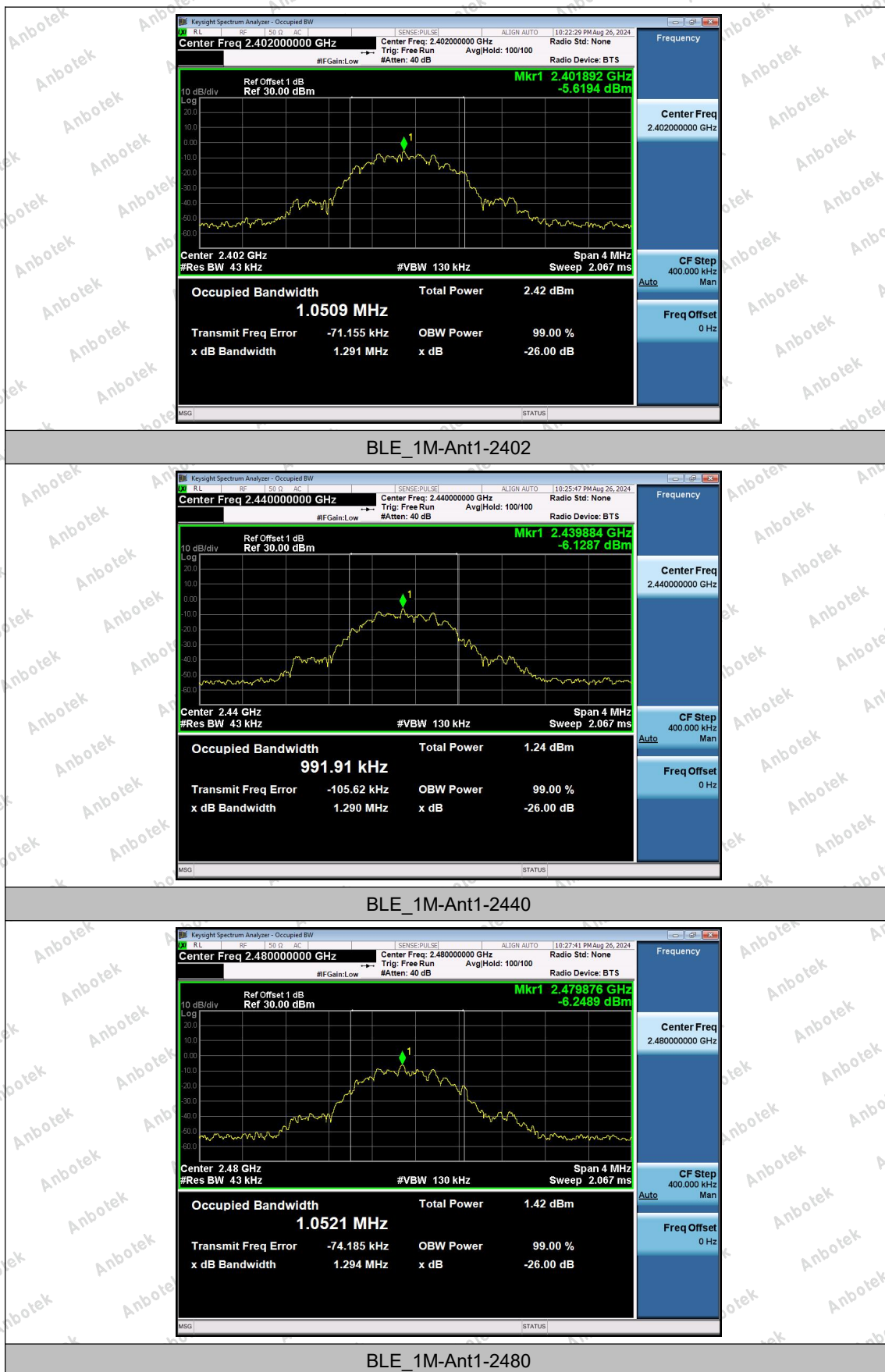
### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 1.0509       | 2401.4034 | 2402.4543 | ---        | ---     |
| BLE_1M   | Ant1    | 2440           | 0.99191      | 2439.3984 | 2440.3903 | ---        | ---     |
| BLE_1M   | Ant1    | 2480           | 1.0521       | 2479.3998 | 2480.4519 | ---        | ---     |





## Test Graphs



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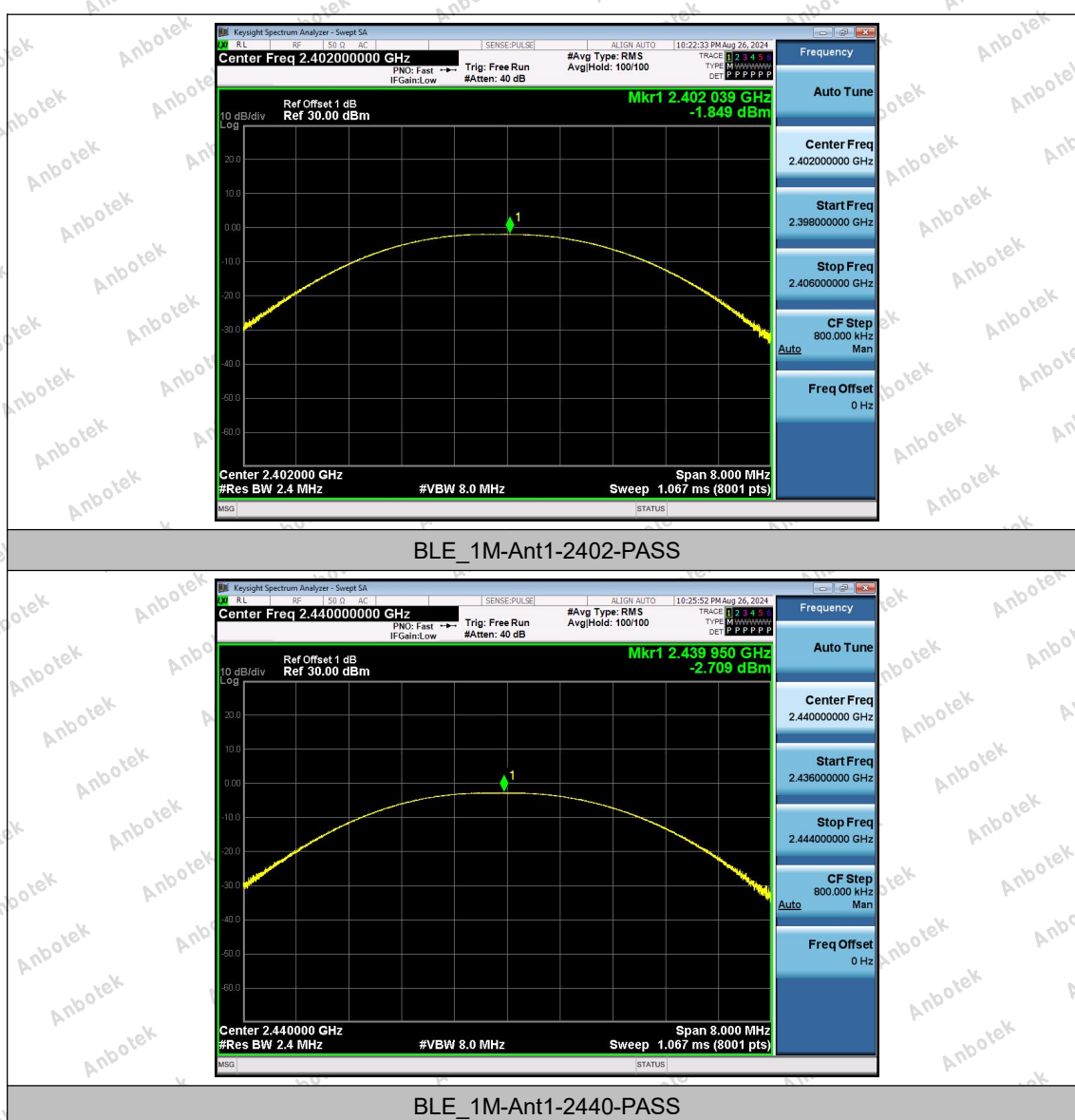


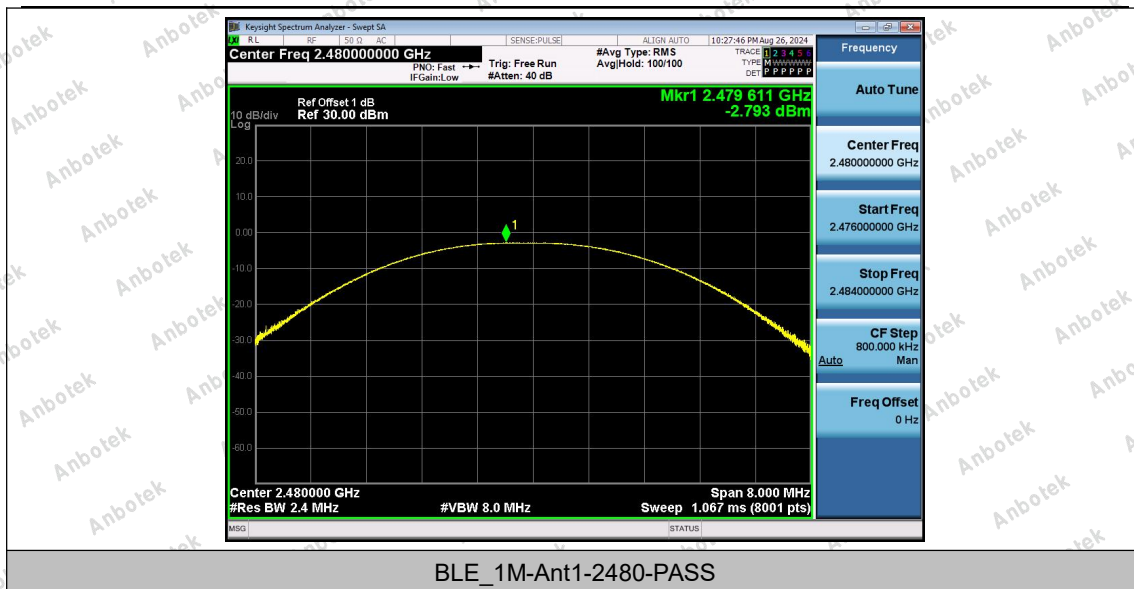
## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------|----------------------|---------|
| BLE_1M   | Ant1    | 2402           | -1.85                     | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2440           | -2.71                     | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2480           | -2.79                     | ≤30                  | PASS    |

### Test Graphs Peak





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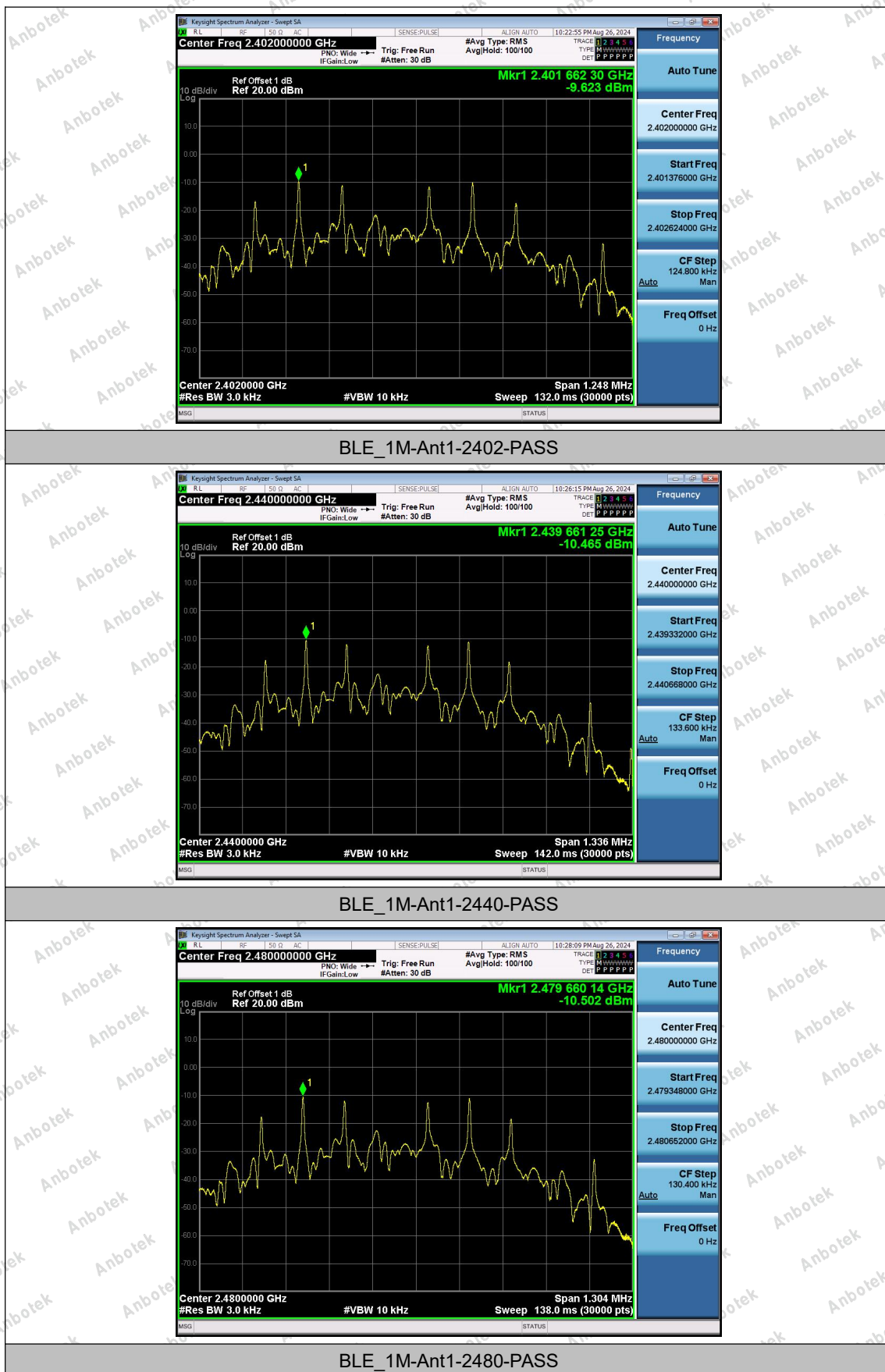
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -9.62            | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -10.47           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -10.50           | ≤8.00           | PASS    |



## Test Graphs



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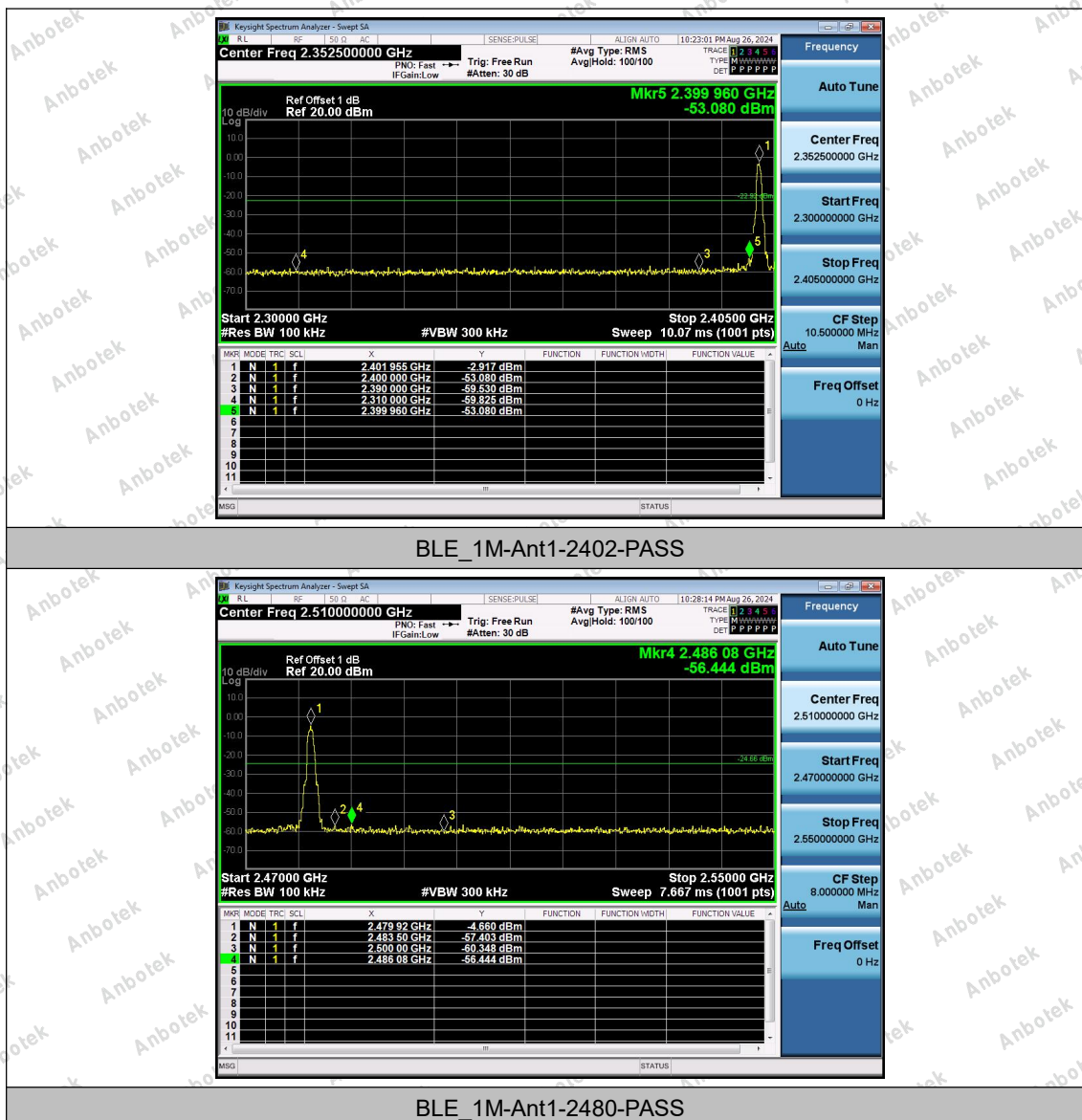
Appendix E: Band edge measurements

Test Result

| TestMode | Antenna | Channel | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|----------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low     | 2402           | -2.92         | -53.08      | ≤-22.92    | PASS    |
| BLE_1M   | Ant1    | High    | 2480           | -4.66         | -56.44      | ≤-24.66    | PASS    |



## Test Graphs



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## Appendix F: Conducted Spurious Emission

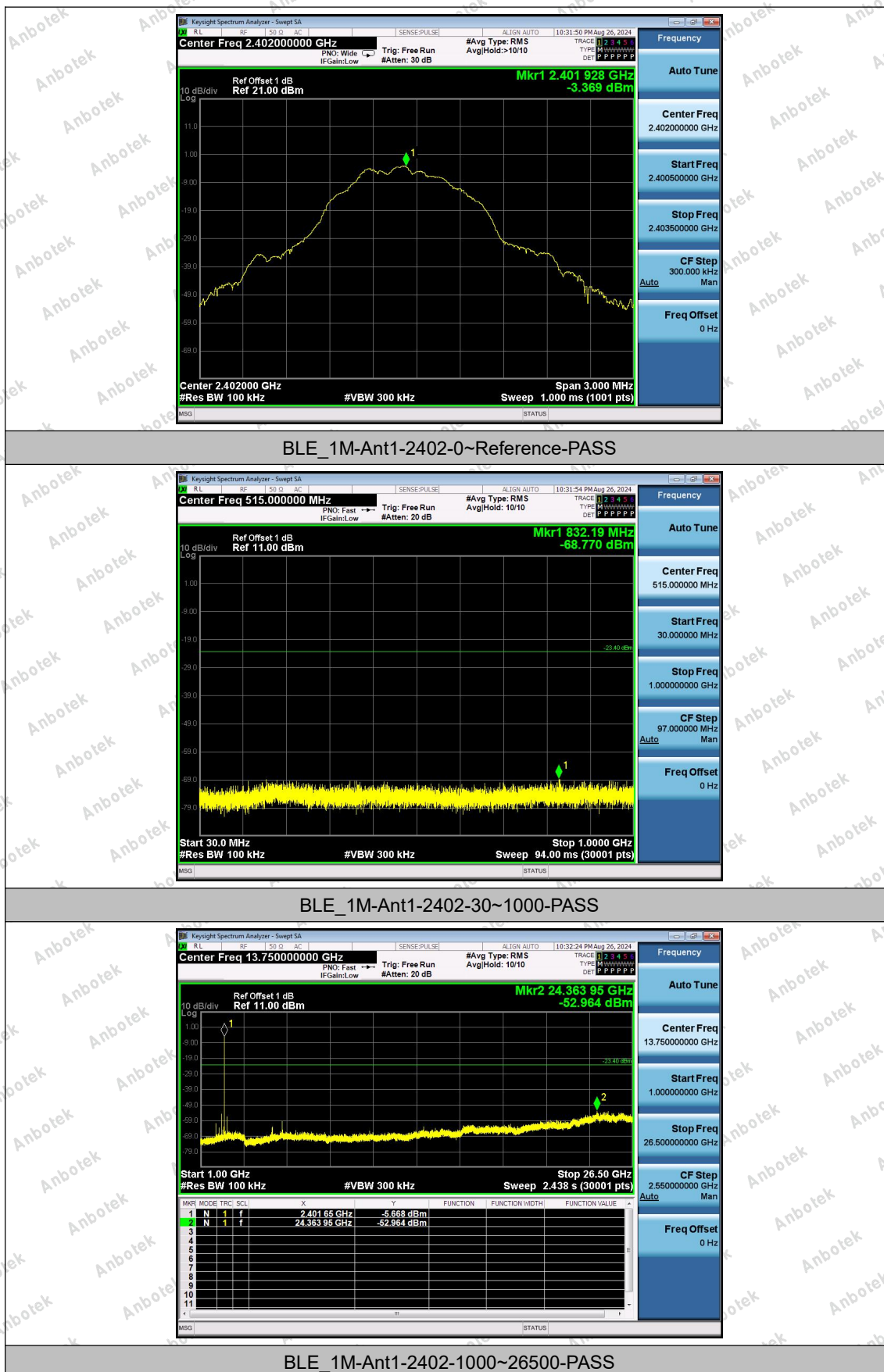
### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0~Reference     | -3.40          | -3.40       | ---        | PASS    |
| BLE_1M   | Ant1    | 2402           | 30~1000         | -3.40          | -68.77      | ≤-23.4     | PASS    |
| BLE_1M   | Ant1    | 2402           | 1000~26500      | -3.40          | -52.96      | ≤-23.4     | PASS    |
| BLE_1M   | Ant1    | 2440           | 0~Reference     | -6.64          | -6.64       | ---        | PASS    |
| BLE_1M   | Ant1    | 2440           | 30~1000         | -6.64          | -68.18      | ≤-26.64    | PASS    |
| BLE_1M   | Ant1    | 2440           | 1000~26500      | -6.64          | -53.65      | ≤-26.64    | PASS    |
| BLE_1M   | Ant1    | 2480           | 0~Reference     | -4.69          | -4.69       | ---        | PASS    |
| BLE_1M   | Ant1    | 2480           | 30~1000         | -4.69          | -68.36      | ≤-24.69    | PASS    |
| BLE_1M   | Ant1    | 2480           | 1000~26500      | -4.69          | -52.7       | ≤-24.69    | PASS    |





## Test Graphs



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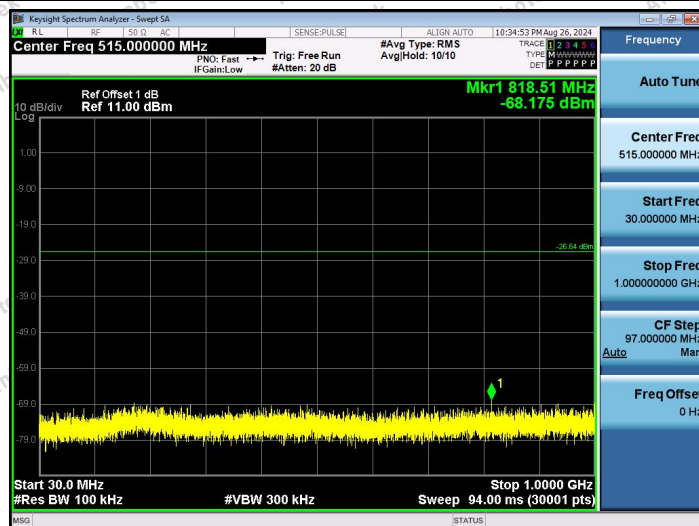


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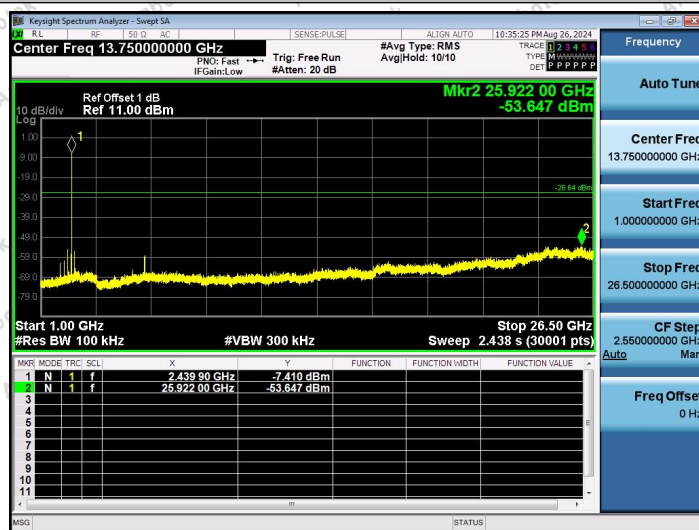




BLE\_1M-Ant1-2440-0~Reference-PASS



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



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

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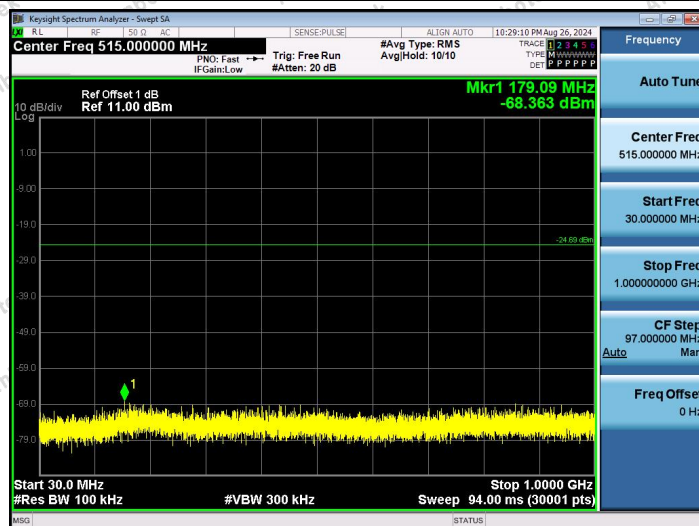


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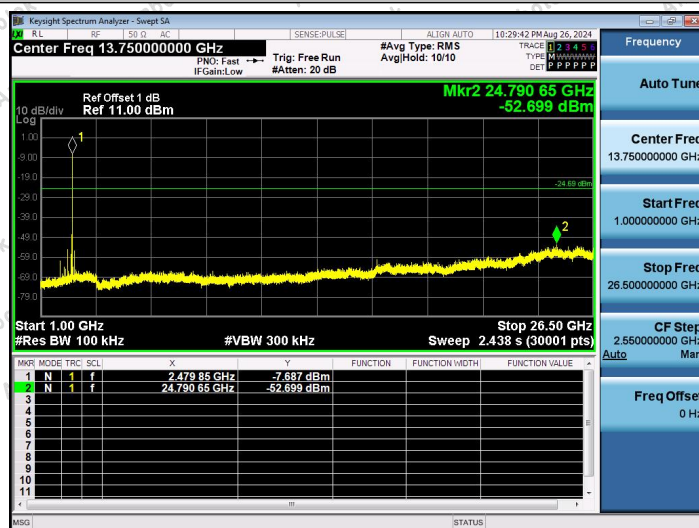




BLE\_1M-Ant1-2480-0~Reference-PASS



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



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

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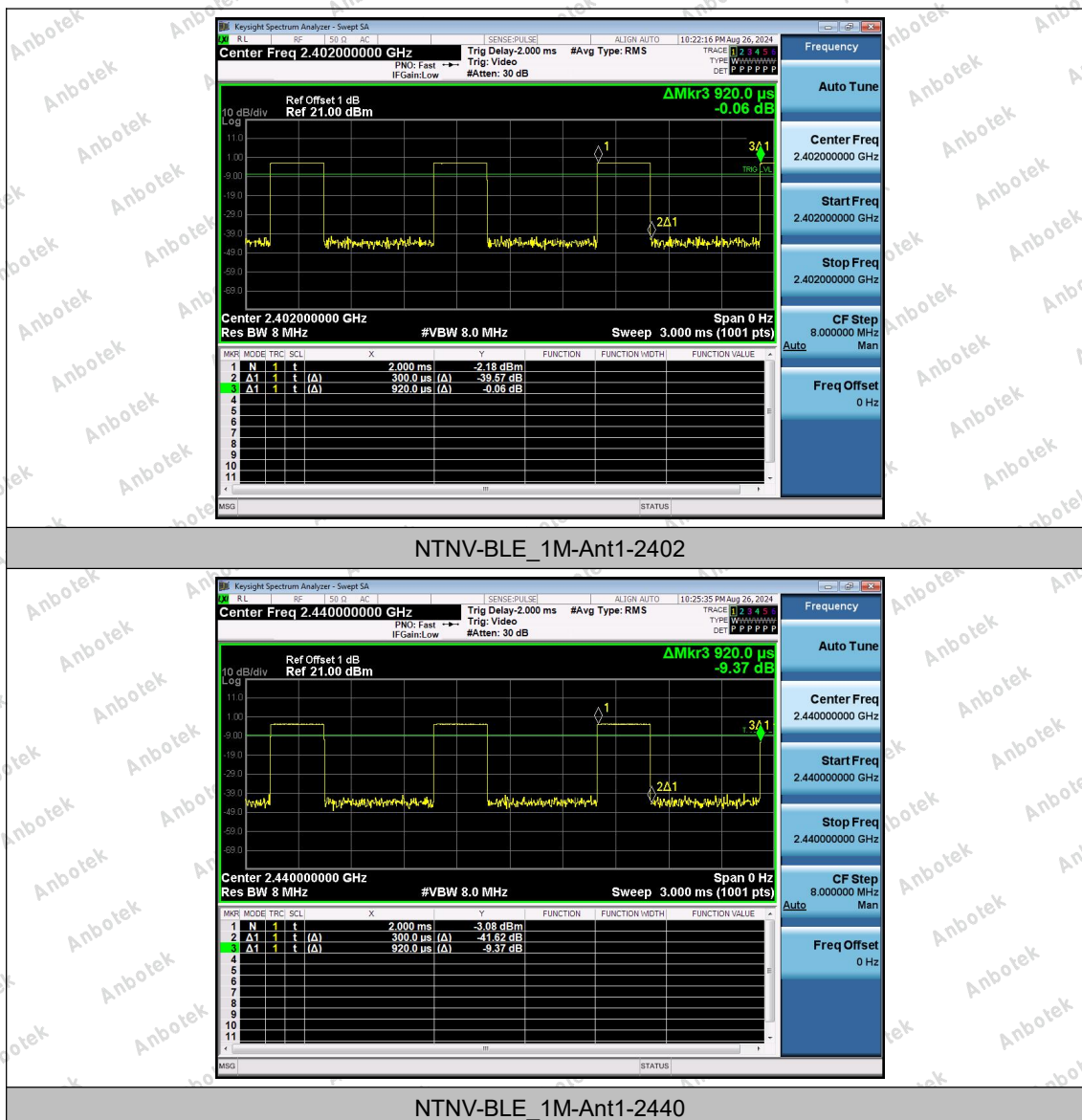
**Appendix G: Duty Cycle**

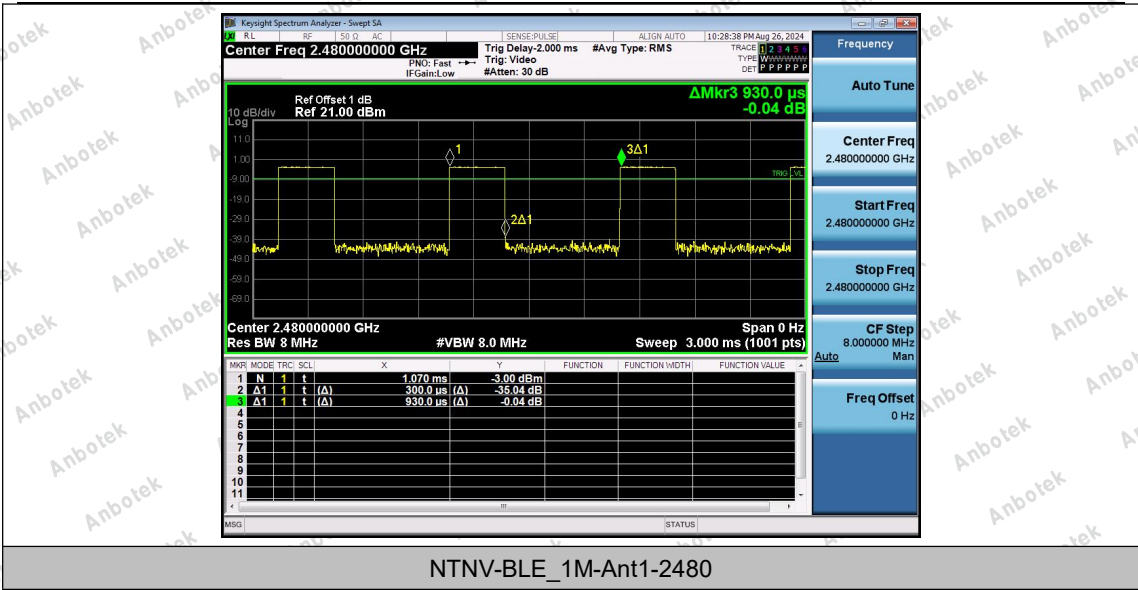
**Test Result**

| TestMode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| BLE_1M   | Ant1    | 2402           | 0.30            | 0.92           | 32.61             | 4.87                     |
| BLE_1M   | Ant1    | 2440           | 0.30            | 0.92           | 32.61             | 4.87                     |
| BLE_1M   | Ant1    | 2480           | 0.30            | 0.93           | 32.26             | 4.91                     |



## Test Graphs





NTNV-BLE\_1M-Ant1-2480

---End---

