

Appendix Test Data

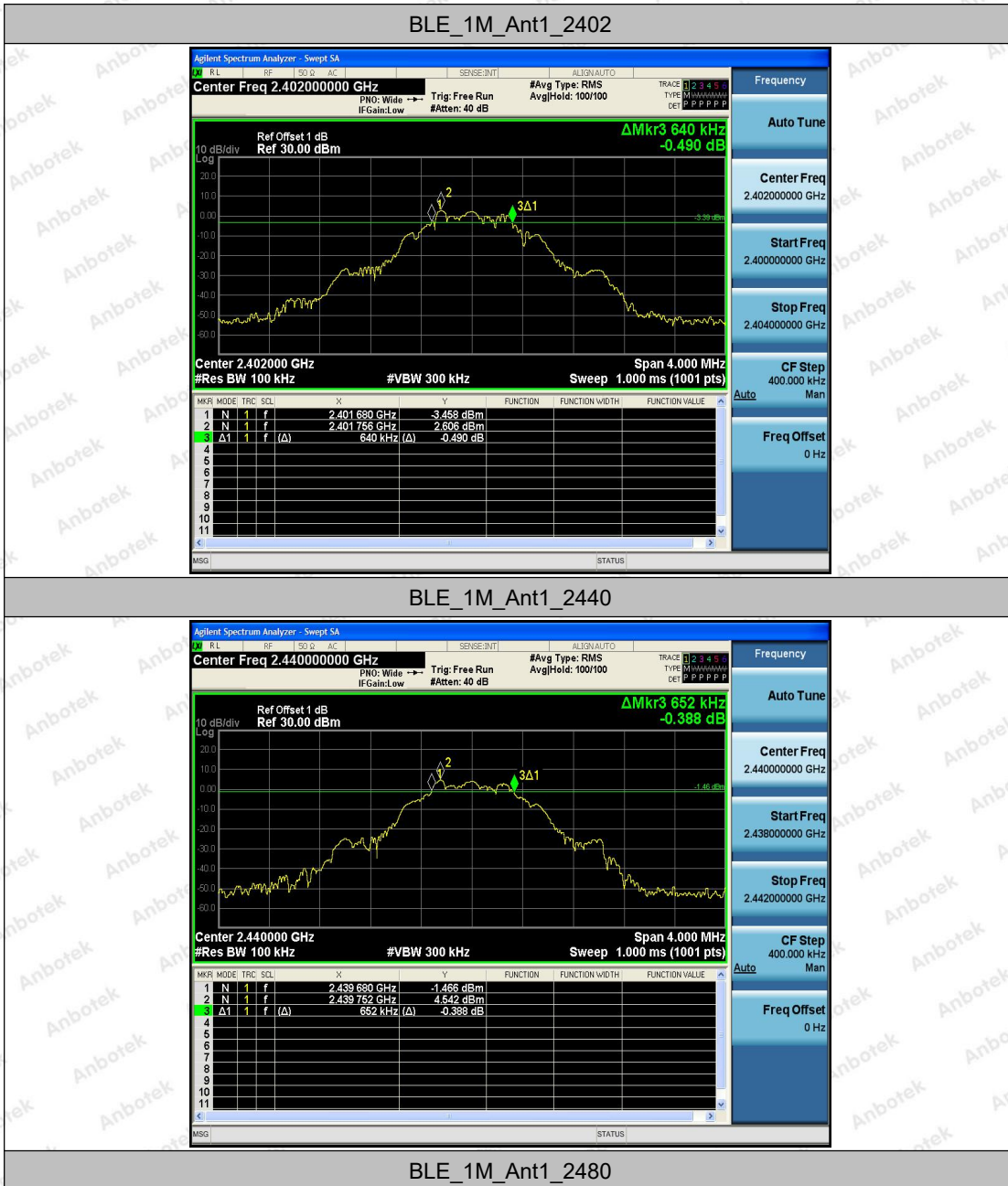
| | | | |
|------------------|-----------------|--------------------|-------------------|
| Report No.: | 18220WC20132302 | Test Sample No.: | 1-2-2 |
| Start Test Date: | 2022.6.28 | Finish Test Date: | 2022.7.12 |
| Test Engineer: | <i>Jony He</i> | Auditor: | <i>Edward Pan</i> |
| Temperature: | 24.3°C | Relative Humidity: | 57.2 % |
| Pressure: | 1012 hPa | | |

Appendix A: DTS Bandwidth

Test Result

| TestMode | Antenna | Channel | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|---------|--------------|----------|----------|------------|---------|
| BLE_1M | Ant1 | 2402 | 0.640 | 2401.680 | 2402.320 | ≥0.5 | PASS |
| | | 2440 | 0.652 | 2439.680 | 2440.332 | ≥0.5 | PASS |
| | | 2480 | 0.664 | 2479.672 | 2480.336 | ≥0.5 | PASS |

Test Graphs





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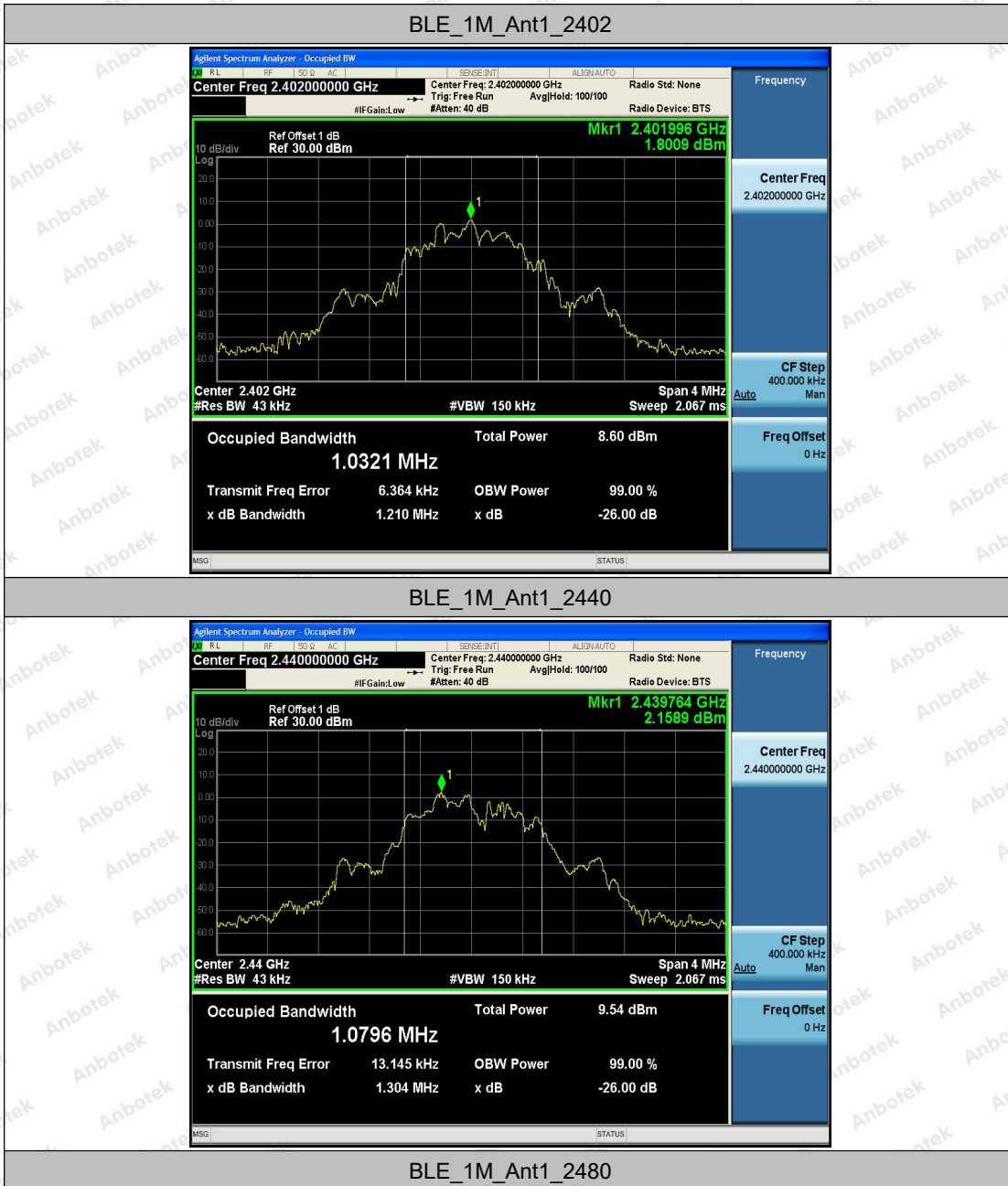
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Appendix B: Occupied Channel Bandwidth

Test Result

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE_1M | Ant1 | 2402 | 1.0321 | 2401.490 | 2402.522 | --- | PASS |
| | | 2440 | 1.0796 | 2439.473 | 2440.553 | --- | PASS |
| | | 2480 | 1.0457 | 2479.501 | 2480.546 | --- | PASS |

Test Graphs



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Appendix C: Maximum conducted output power

Test Result

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| BLE_1M | Ant1 | 2402 | 2.88 | ≤30 | PASS |
| | | 2440 | 4.9 | ≤30 | PASS |
| | | 2480 | 5.44 | ≤30 | PASS |

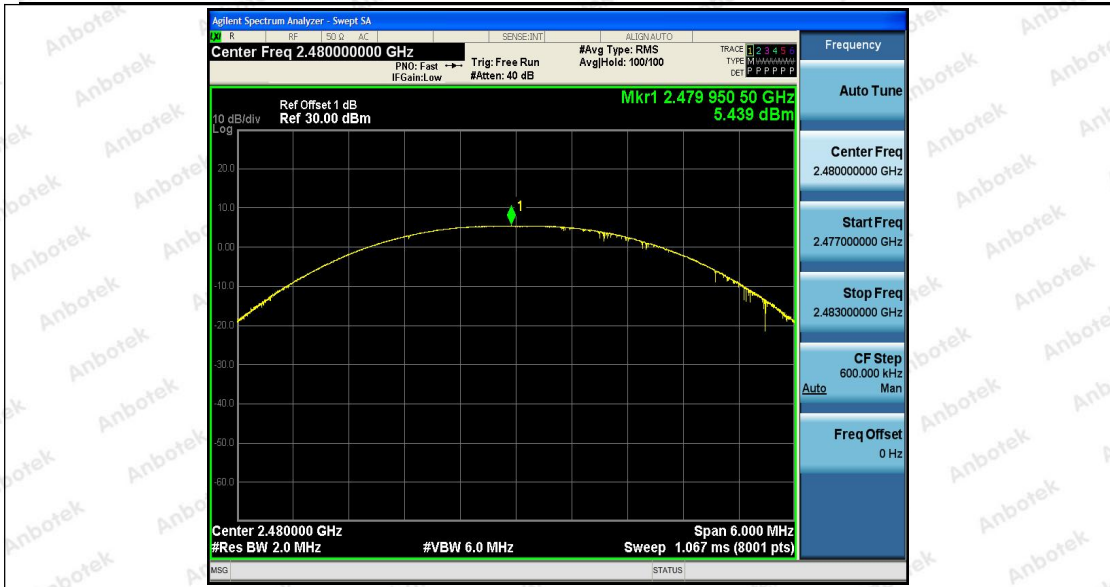
Test Graphs



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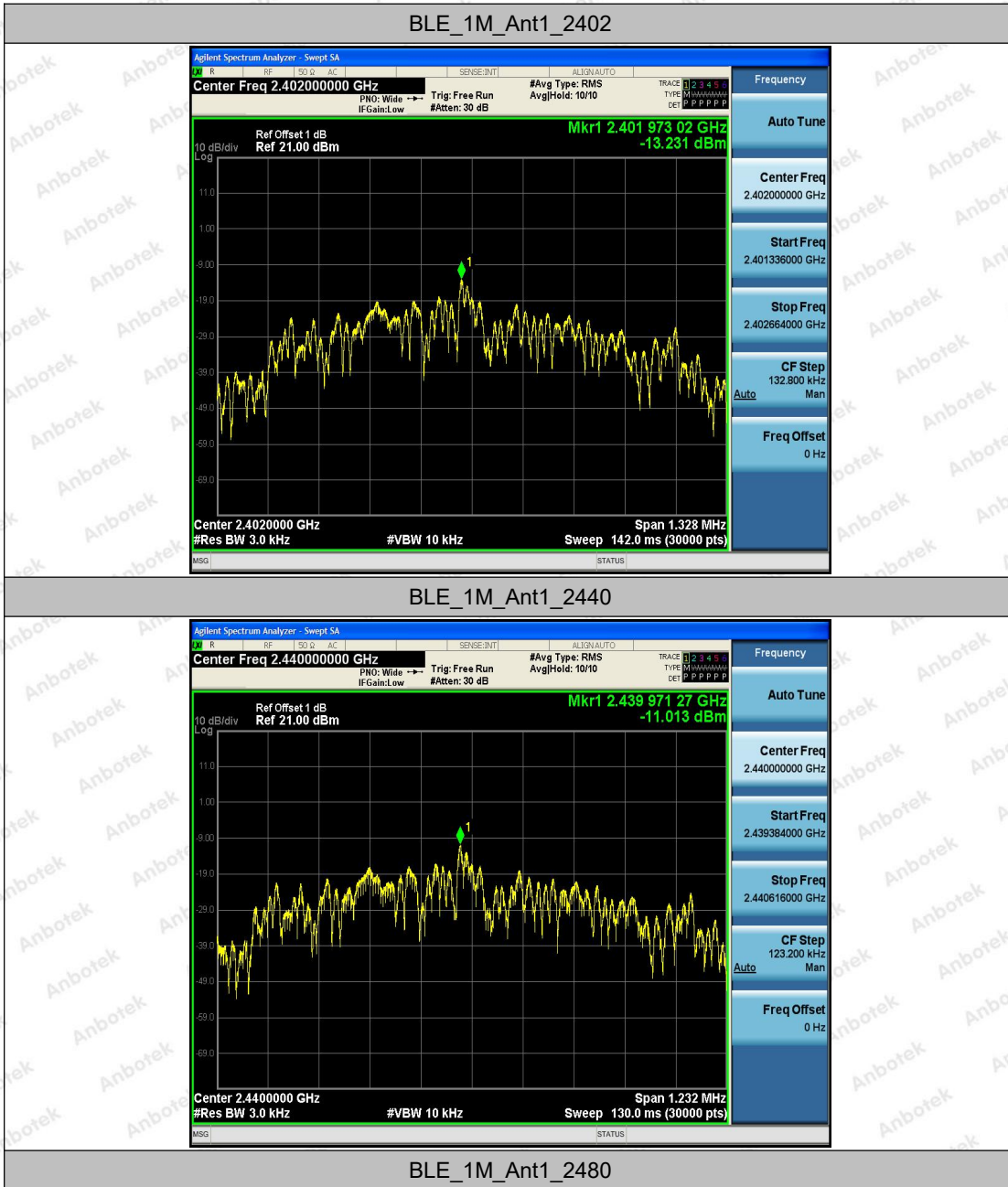
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Appendix D: Maximum power spectral density

Test Result

| TestMode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|------------------|-----------------|---------|
| BLE_1M | Ant1 | 2402 | -13.23 | ≤ 8 | PASS |
| | | 2440 | -11.01 | ≤ 8 | PASS |
| | | 2480 | -10.91 | ≤ 8 | PASS |

Test Graphs



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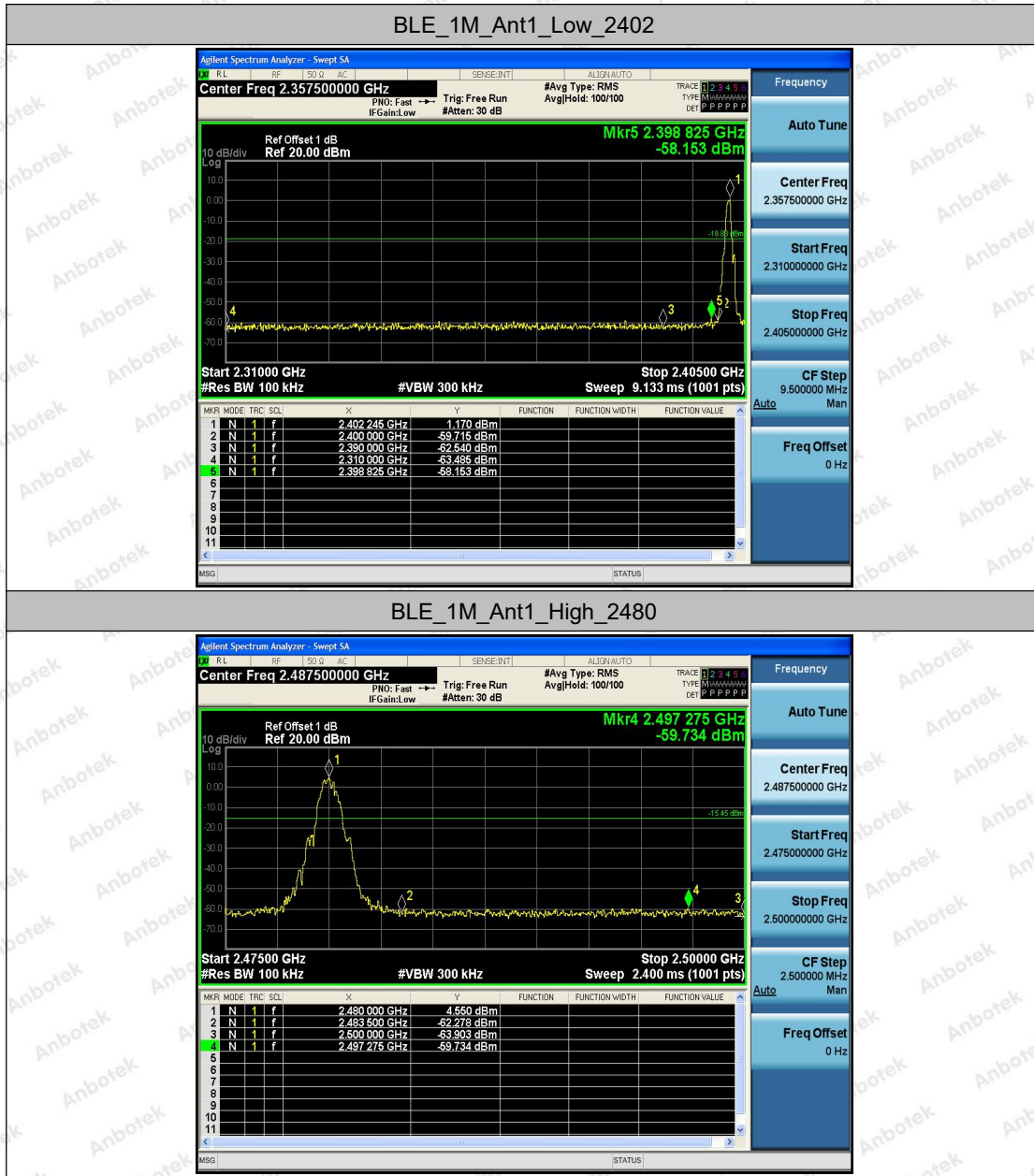
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Appendix E: Band edge measurements

Test Result

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|---------|---------------|-------------|------------|---------|
| BLE_1M | Ant1 | Low | 2402 | 1.17 | -58.15 | ≤-18.83 | PASS |
| | | High | 2480 | 4.55 | -59.73 | ≤-15.45 | PASS |

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

| TestMode | Antenna | Channel | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-------------|------------|---------|
| BLE_1M | Ant1 | 2402 | Reference | 2.42 | 2.42 | --- | PASS |
| | | | 30~1000 | 2.42 | -68.98 | ≤-17.59 | PASS |
| | | | 1000~265 00 | 2.42 | -54.7 | ≤-17.59 | PASS |
| | | 2440 | Reference | 3.74 | 3.74 | --- | PASS |
| | | | 30~1000 | 3.74 | -69.26 | ≤-16.26 | PASS |
| | | | 1000~265 00 | 3.74 | -53.13 | ≤-16.26 | PASS |
| | | 2480 | Reference | 4.74 | 4.74 | --- | PASS |
| | | | 30~1000 | 4.74 | -69.6 | ≤-15.26 | PASS |
| | | | 1000~265 00 | 4.74 | -54.88 | ≤-15.26 | PASS |

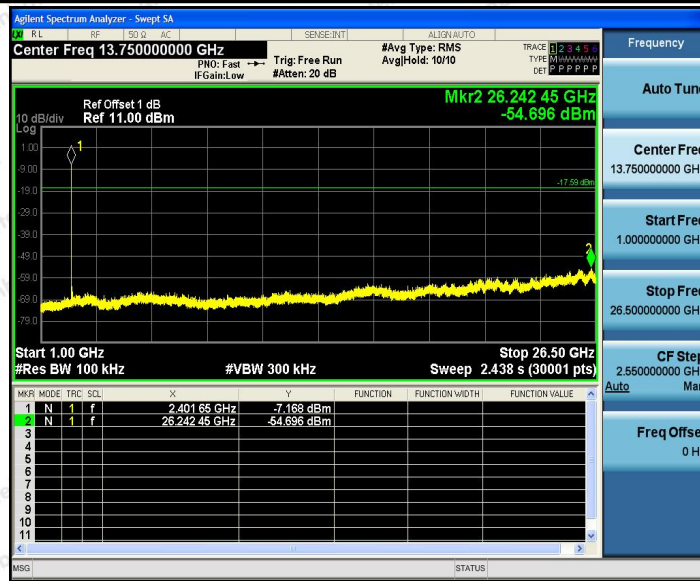
Test Graphs



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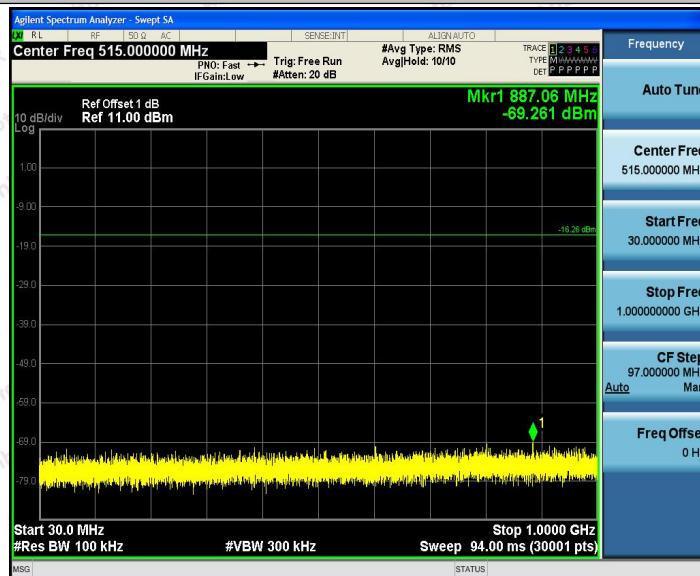
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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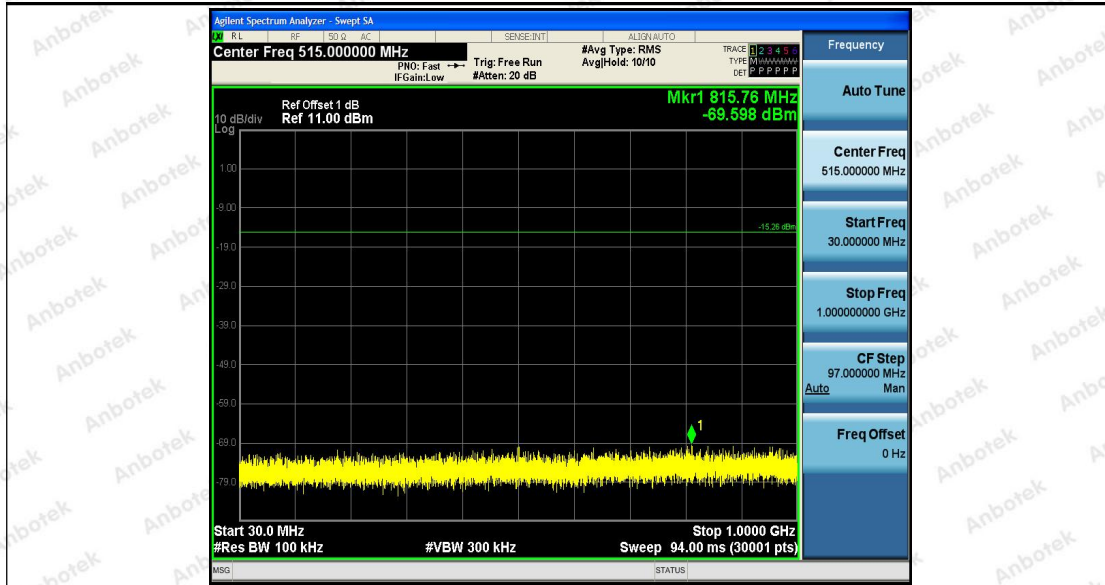


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BLE_1M_Ant1_2480_1000~26500



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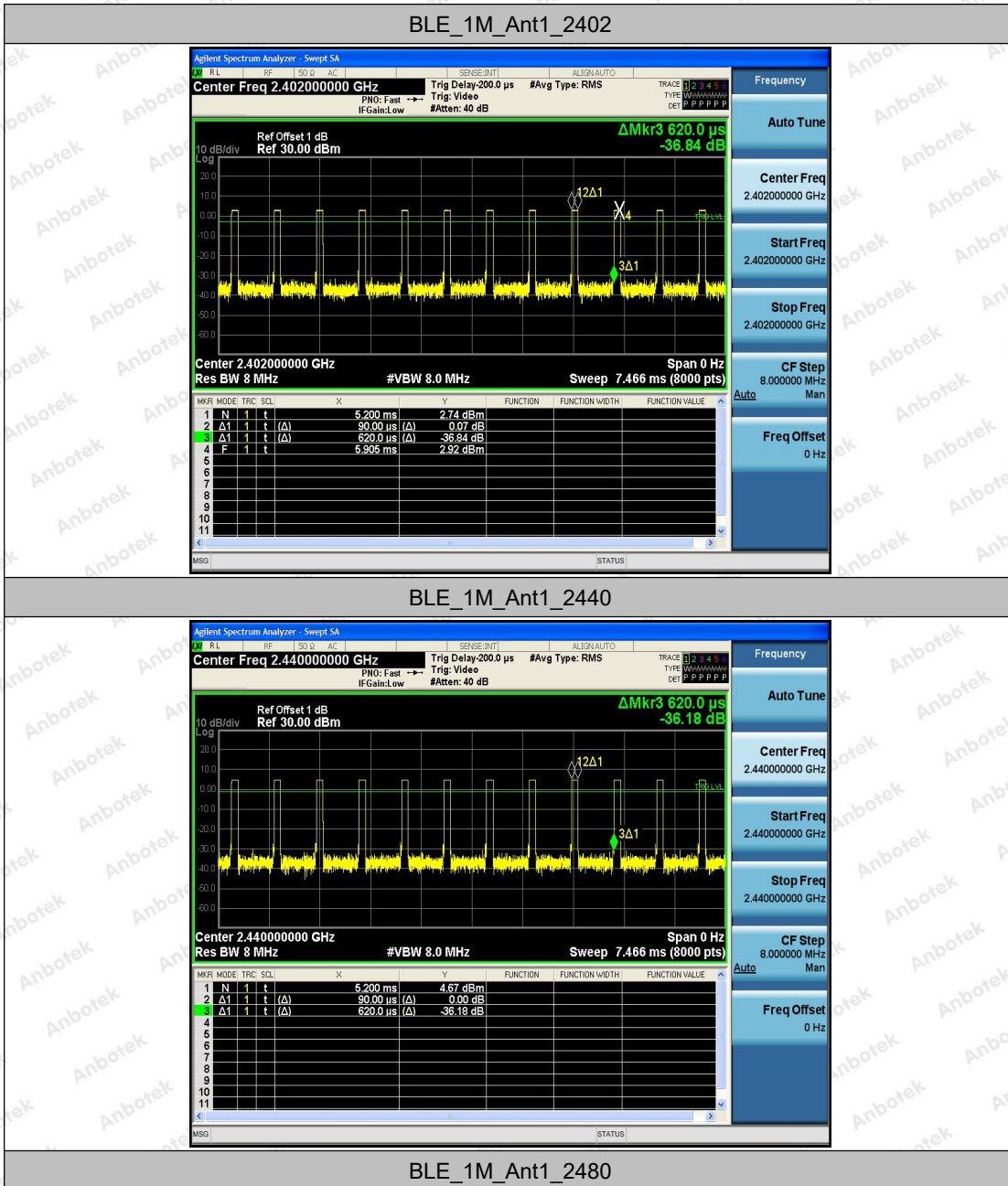
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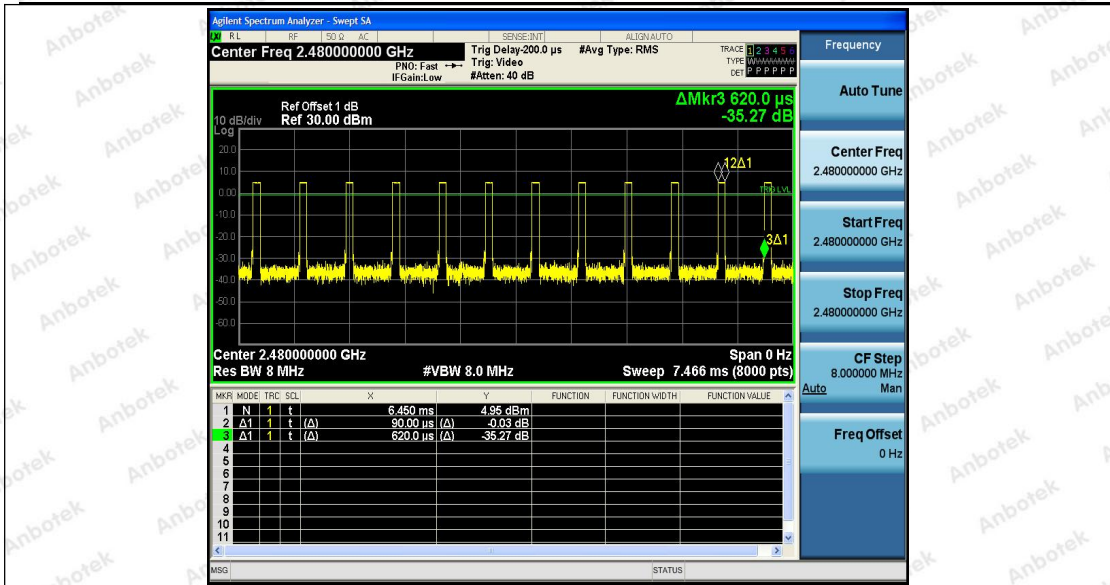
Appendix G: Duty Cycle

Test Result

| TestMode | Antenna | Channel | ON Time [ms] | Period [ms] | X | DC [%] | xFactor | Limit | Verdict |
|----------|---------|---------|--------------|-------------|------------|--------|---------|-------|---------|
| BLE_1M | Ant1 | 2402 | 0.09 | 0.62 | 0.145 2 | 14.52 | 8.38 | --- | PASS |
| | | 2440 | 0.09 | 0.62 | 0.145 2 | 14.52 | 8.38 | --- | PASS |
| | | 2480 | 0.09 | 0.62 | 0.145 2 | 14.52 | 8.38 | --- | PASS |

Test Graphs





---End---