

Appendix Test Data

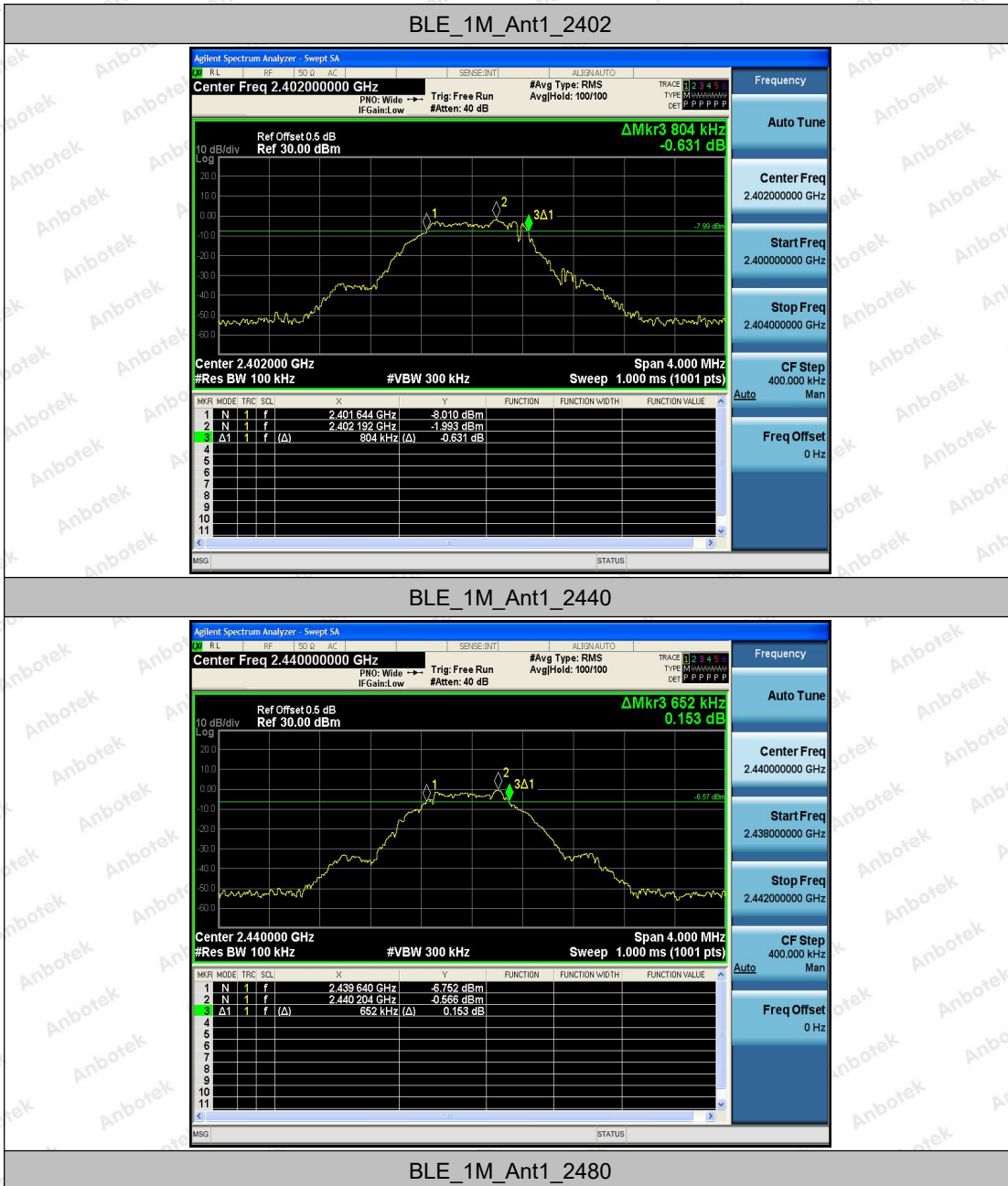
| | | | |
|------------------|-----------------|--------------------|-------------------|
| Report No.: | 18220WC20147201 | Test Sample No.: | 1-2-2 |
| Start Test Date: | 2022.7.6 | Finish Test Date: | 2022.7.11 |
| Test Engineer: | <i>Jony.He</i> | Auditor: | <i>Edward.Pan</i> |
| Temperature: | 24.3°C | Relative Humidity: | 56.5 % |
| 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 | 0.804 | 2401.644 | 2402.448 | ≥0.5 | PASS |
| | | 2440 | 0.652 | 2439.640 | 2440.292 | ≥0.5 | PASS |
| | | 2480 | 0.668 | 2479.636 | 2480.304 | ≥0.5 | PASS |

Test Graphs





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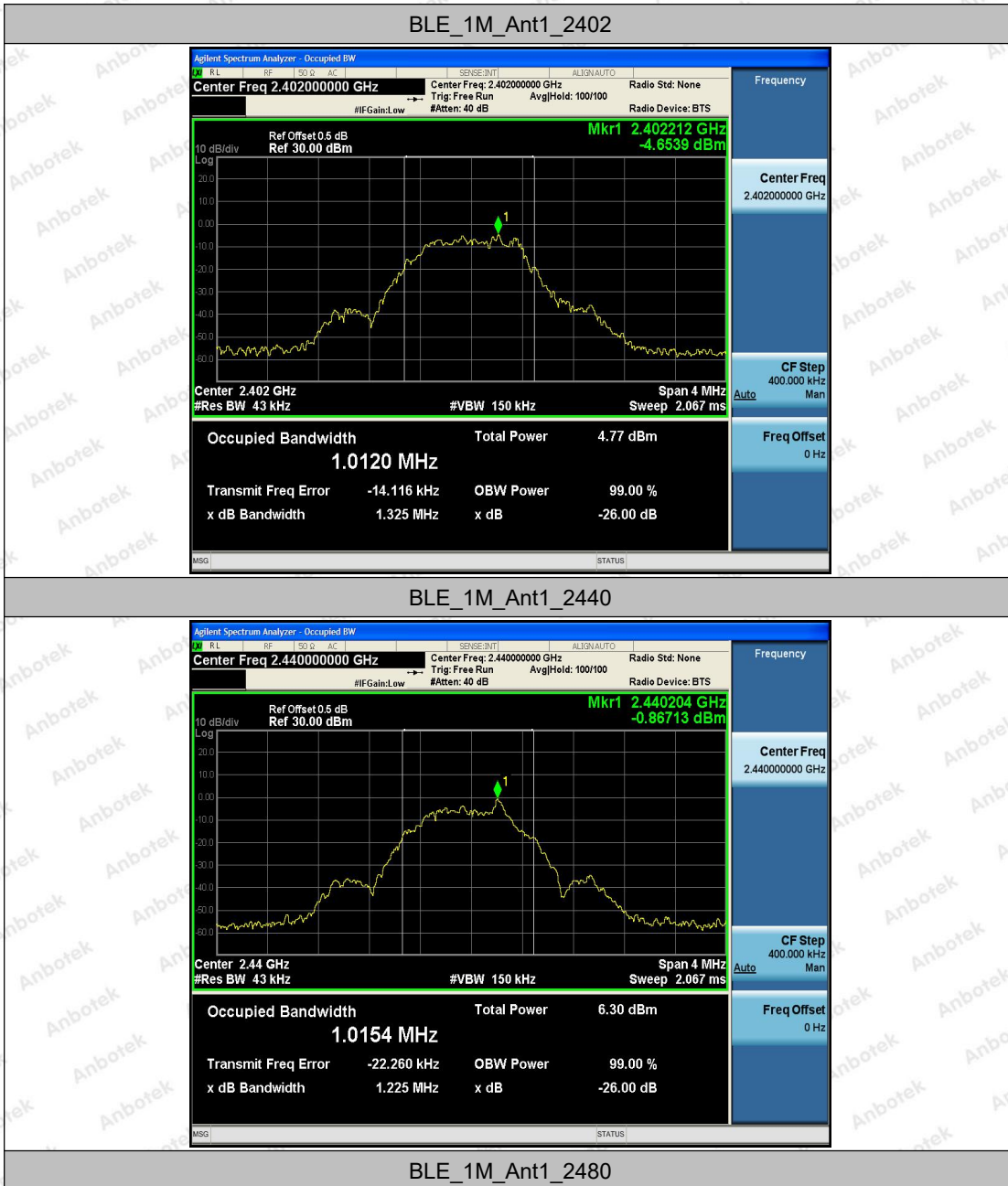
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Appendix B: Occupied Channel Bandwidth

Test Result

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE_1M | Ant1 | 2402 | 1.0120 | 2401.480 | 2402.492 | --- | PASS |
| | | 2440 | 1.0154 | 2439.470 | 2440.485 | --- | PASS |
| | | 2480 | 1.0000 | 2479.472 | 2480.472 | --- | 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 | -1.91 | ≤30 | PASS |
| | | 2440 | -0.5 | ≤30 | PASS |
| | | 2480 | -1 | ≤30 | PASS |

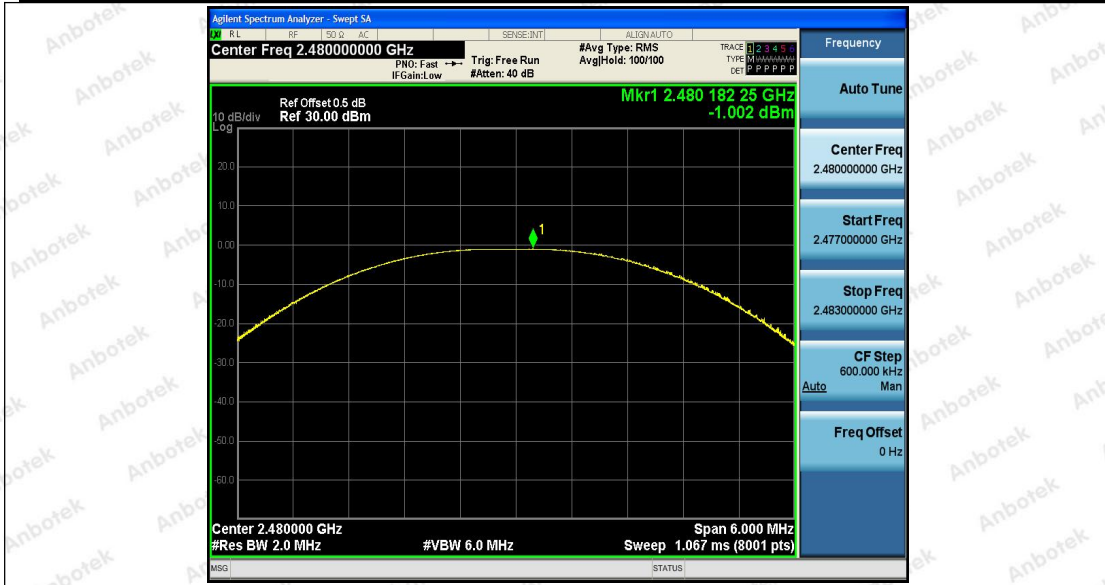
Test Graphs



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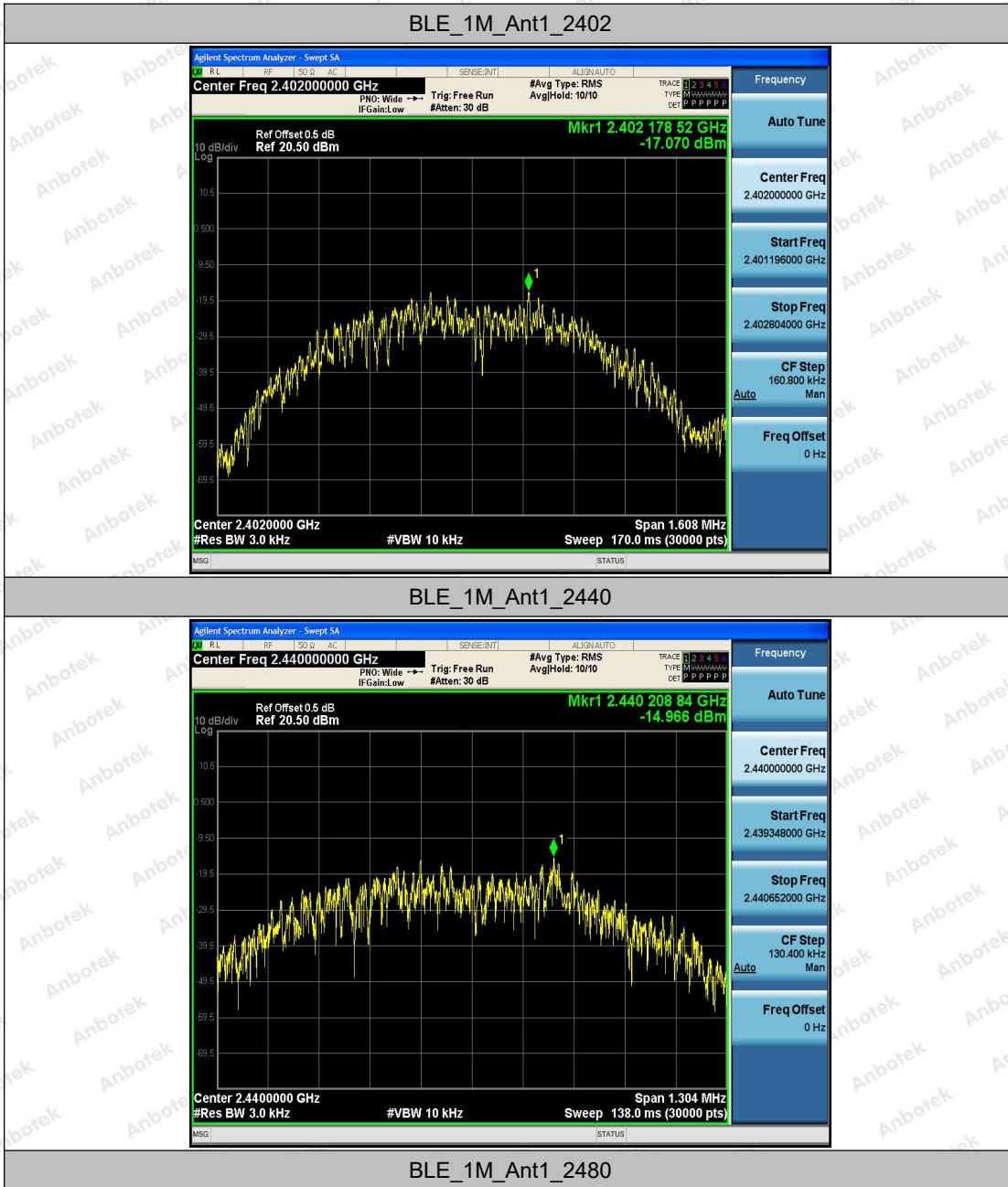
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Appendix D: Maximum power spectral density

Test Result

| TestMode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|------------------|-----------------|---------|
| BLE_1M | Ant1 | 2402 | -17.07 | ≤8 | PASS |
| | | 2440 | -14.97 | ≤8 | PASS |
| | | 2480 | -15.97 | ≤8 | PASS |

Test Graphs





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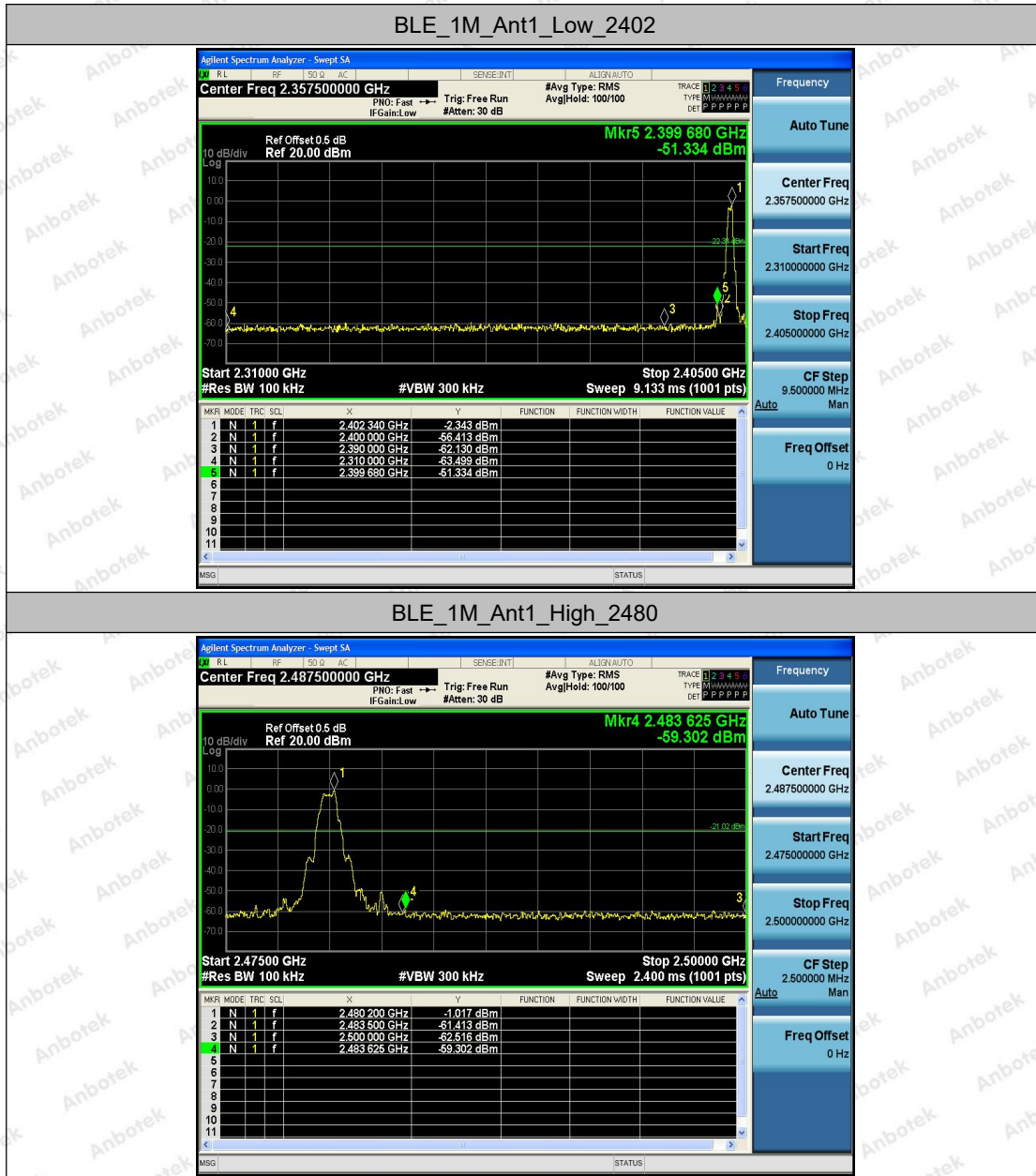
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Appendix E: Band edge measurements

Test Result

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|---------|---------------|-------------|------------|---------|
| BLE_1M | Ant1 | Low | 2402 | -2.34 | -51.33 | ≤-22.34 | PASS |
| | | High | 2480 | -1.02 | -59.3 | ≤-21.02 | 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 | -2.20 | -2.20 | --- | PASS |
| | | | 30~1000 | -2.20 | -68.87 | ≤-22.2 | PASS |
| | | | 1000~265 00 | -2.20 | -53.33 | ≤-22.2 | PASS |
| | | 2440 | Reference | -0.58 | -0.58 | --- | PASS |
| | | | 30~1000 | -0.58 | -65.09 | ≤-20.58 | PASS |
| | | | 1000~265 00 | -0.58 | -52.22 | ≤-20.58 | PASS |
| | | 2480 | Reference | -1.44 | -1.44 | --- | PASS |
| | | | 30~1000 | -1.44 | -66.33 | ≤-21.44 | PASS |
| | | | 1000~265 00 | -1.44 | -52.63 | ≤-21.44 | PASS |

Test Graphs

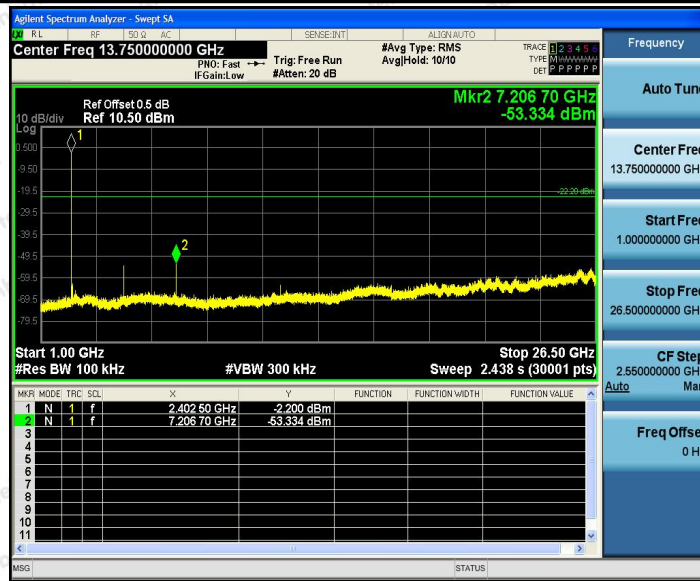


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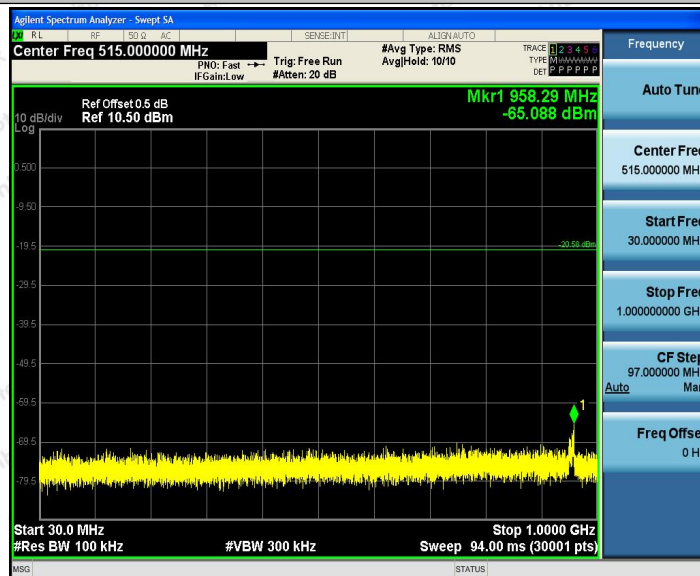
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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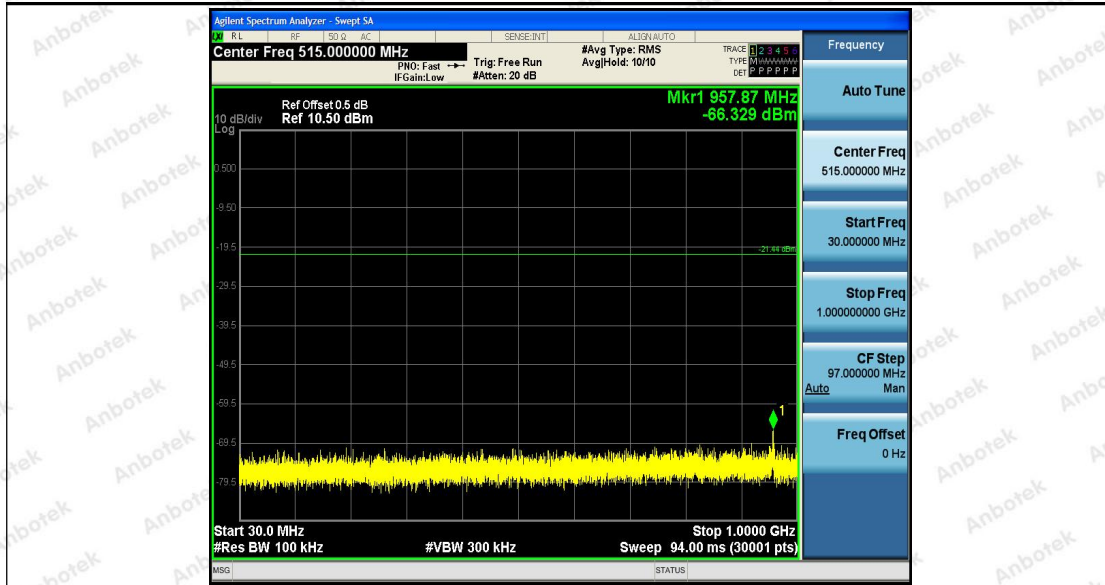


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BLE_1M_Ant1_2480_1000~26500



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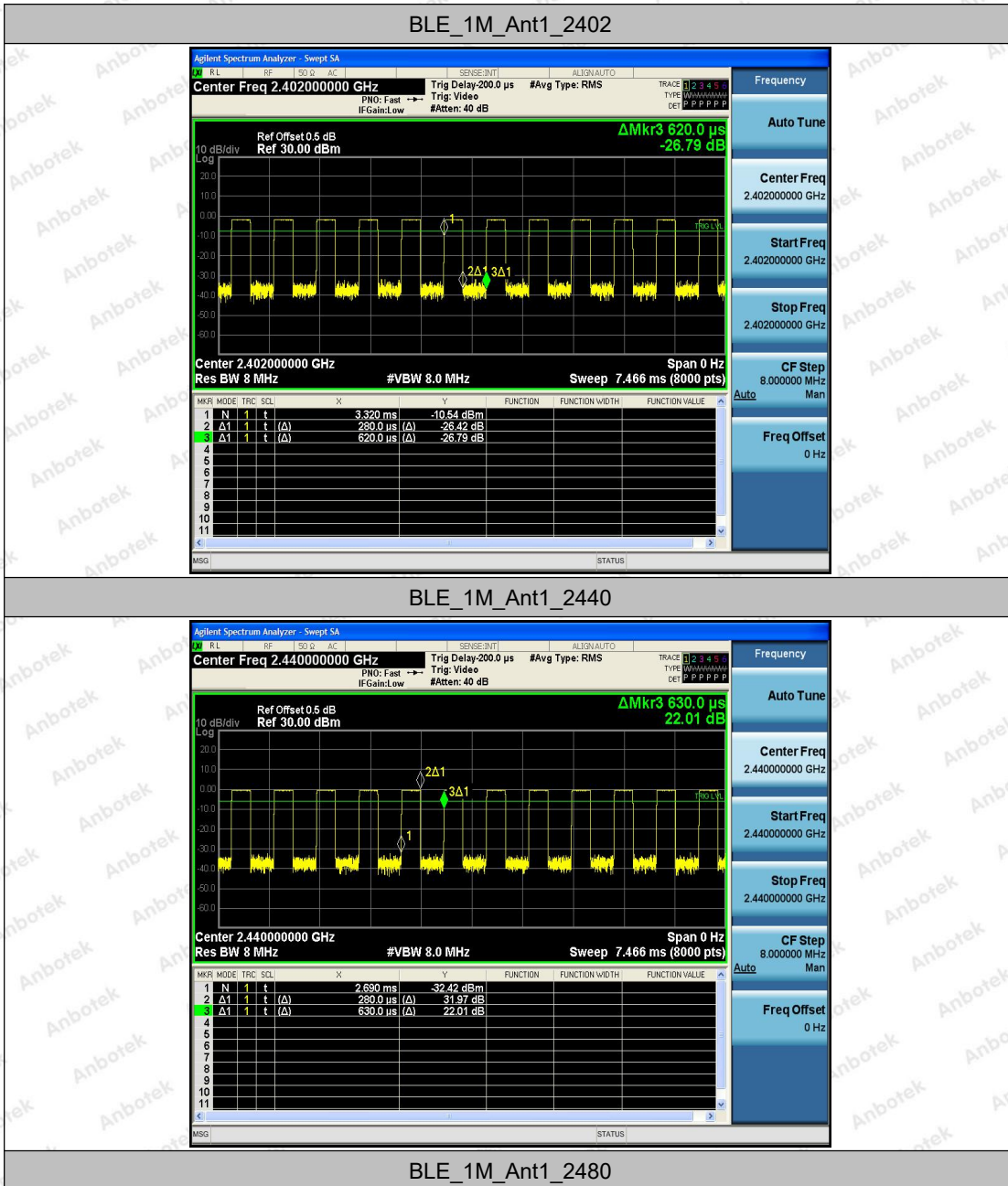
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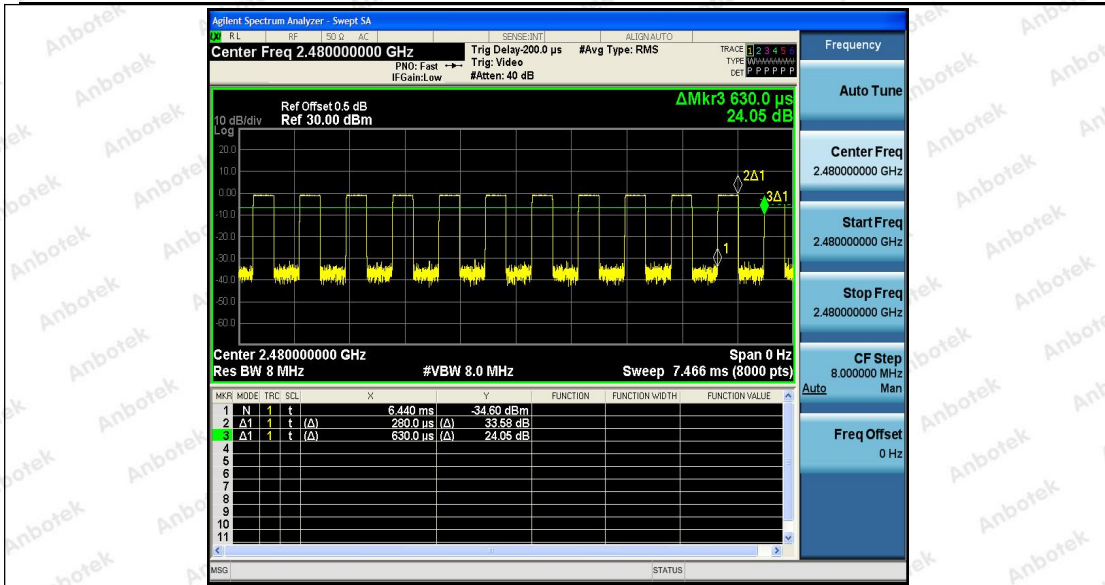
Appendix G: Duty Cycle

Test Result

| TestMode | Antenna | Channel | ON Time [ms] | Period [ms] | X | DC [%] | xFactor | Limit | Verdict |
|----------|---------|---------|--------------|-------------|--------|--------|---------|-------|---------|
| BLE_1M | Ant1 | 2402 | 0.28 | 0.62 | 0.4516 | 45.16 | 3.45 | --- | PASS |
| | | 2440 | 0.28 | 0.63 | 0.4444 | 44.44 | 3.52 | --- | PASS |
| | | 2480 | 0.28 | 0.63 | 0.4444 | 44.44 | 3.52 | --- | PASS |

Test Graphs





---End---