

Appendix Test Data

| | | | |
|------------------|-----------------|--------------------|-------------------|
| Report No.: | 18220WC20097802 | Test Sample No.: | 1-2-2 |
| Start Test Date: | 2022.5.6 | Finish Test Date: | 2022.5.19 |
| Test Engineer: | <i>Jony He</i> | Auditor: | <i>Edward Pan</i> |
| Temperature: | 24.3°C | Relative Humidity: | 57.1 % |
| 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 | 0.608 | 2401.676 | 2402.284 | ≥0.5 | PASS |
| | | 2440 | 0.616 | 2439.664 | 2440.280 | ≥0.5 | PASS |
| | | 2480 | 0.608 | 2479.676 | 2480.284 | ≥0.5 | PASS |

Test Graphs





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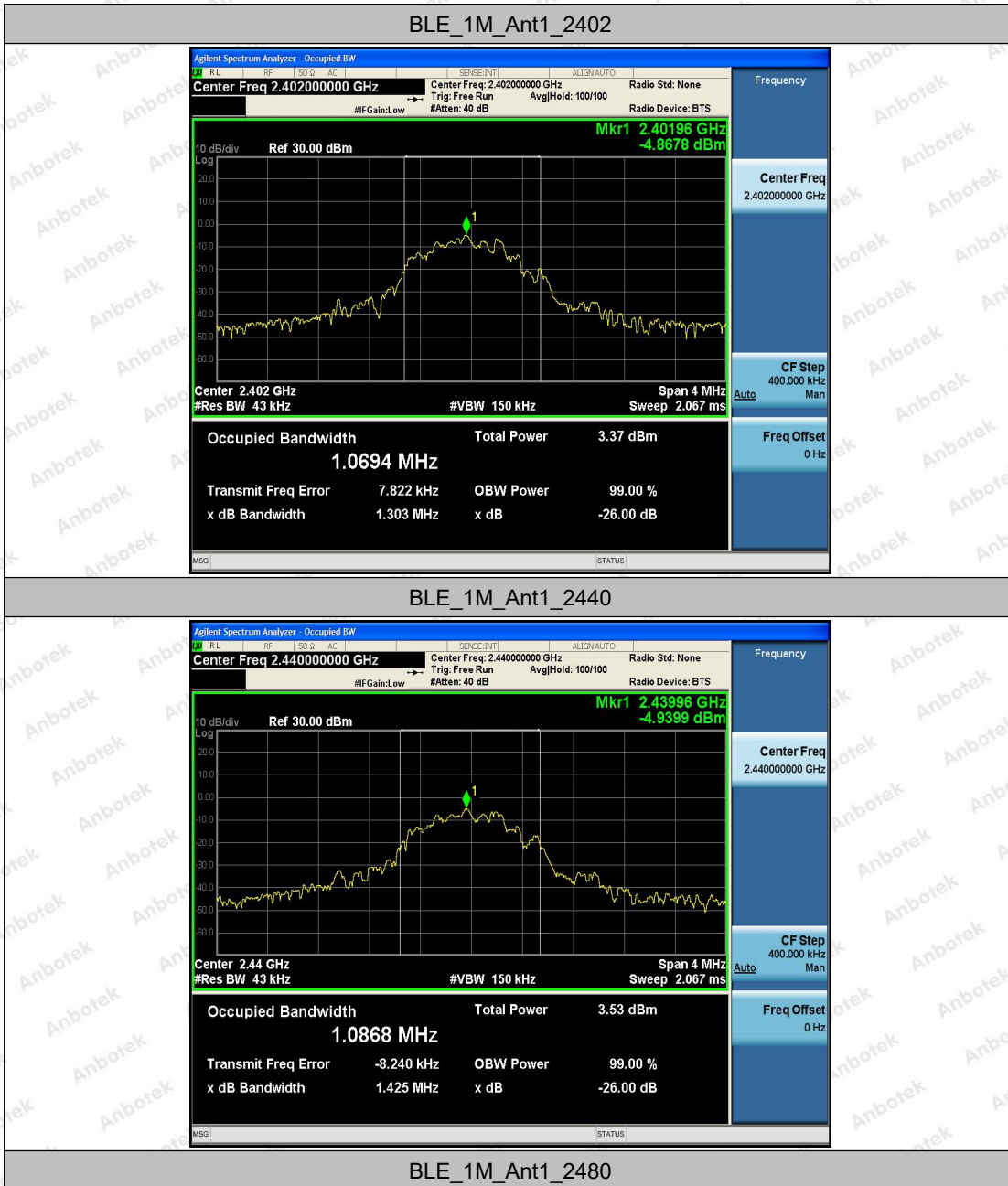
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Appendix B: Occupied Channel Bandwidth

Test Result

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE_1M | Ant1 | 2402 | 1.0694 | 2401.473 | 2402.543 | --- | PASS |
| | | 2440 | 1.0868 | 2439.448 | 2440.535 | --- | PASS |
| | | 2480 | 1.1109 | 2479.443 | 2480.554 | --- | PASS |

Test Graphs



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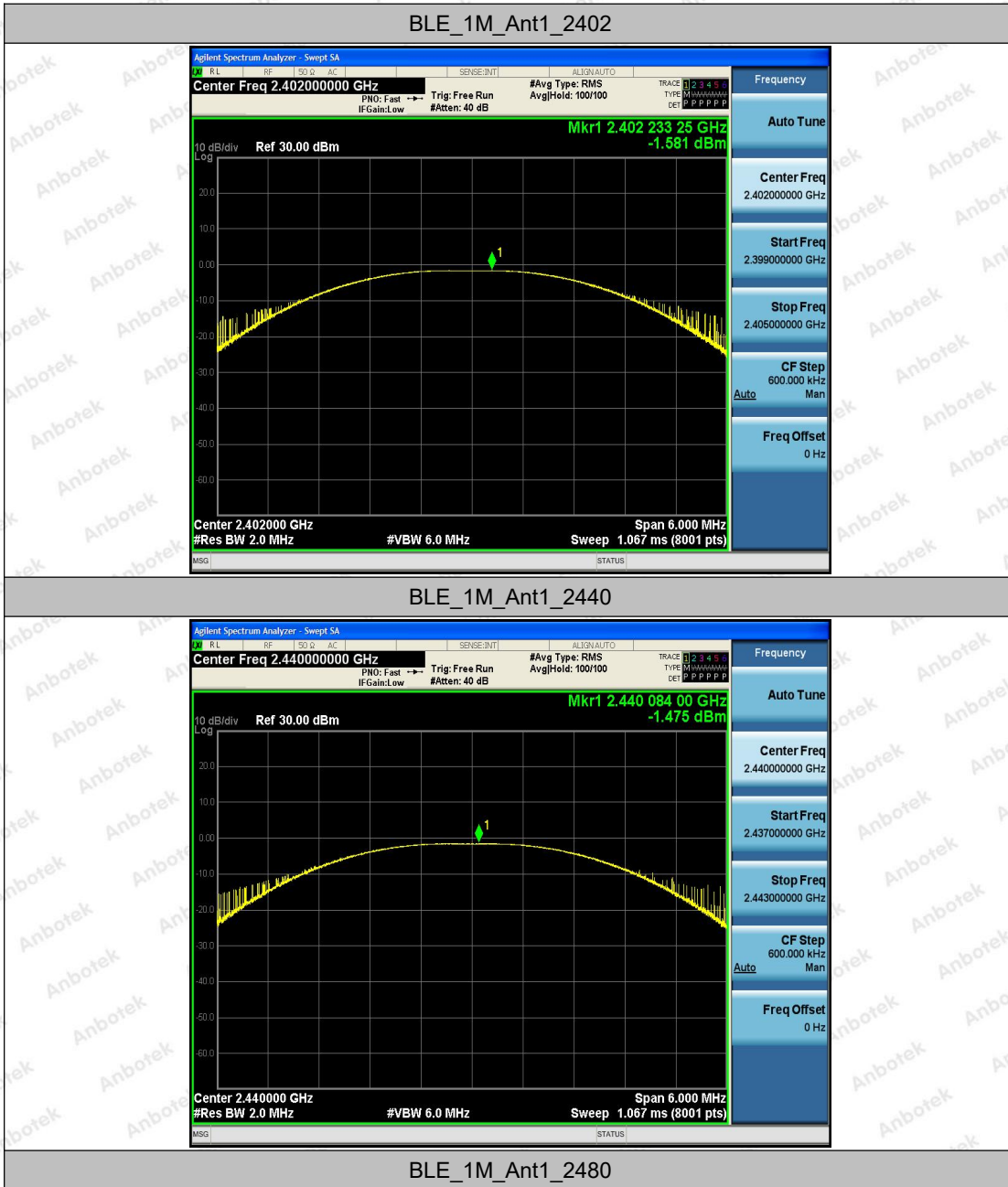
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Appendix C: Maximum conducted output power

Test Result

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| BLE_1M | Ant1 | 2402 | -1.58 | ≤30 | PASS |
| | | 2440 | -1.48 | ≤30 | PASS |
| | | 2480 | -1.4 | ≤30 | PASS |

Test Graphs

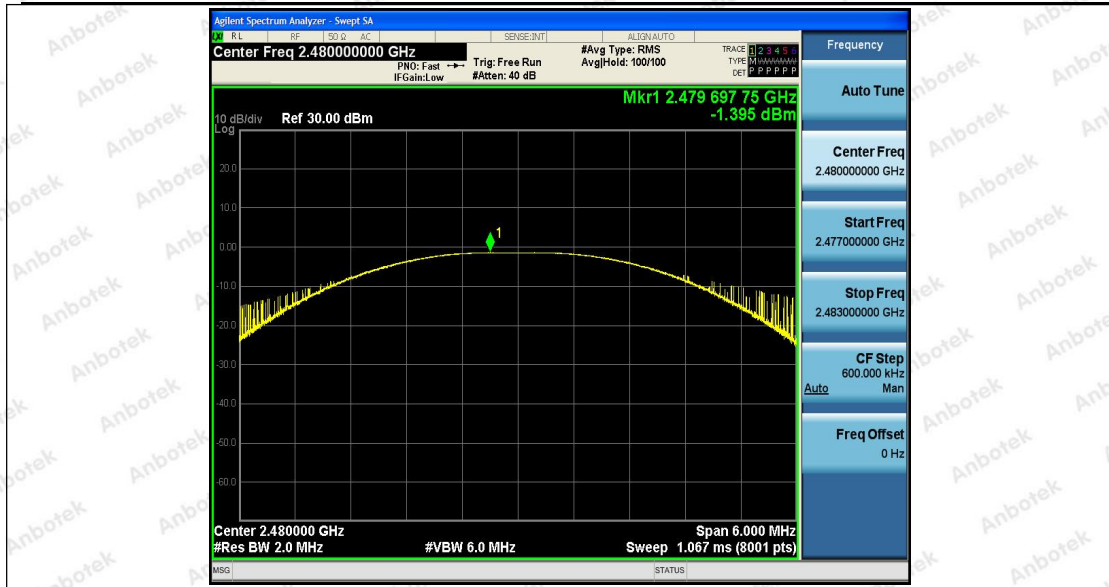


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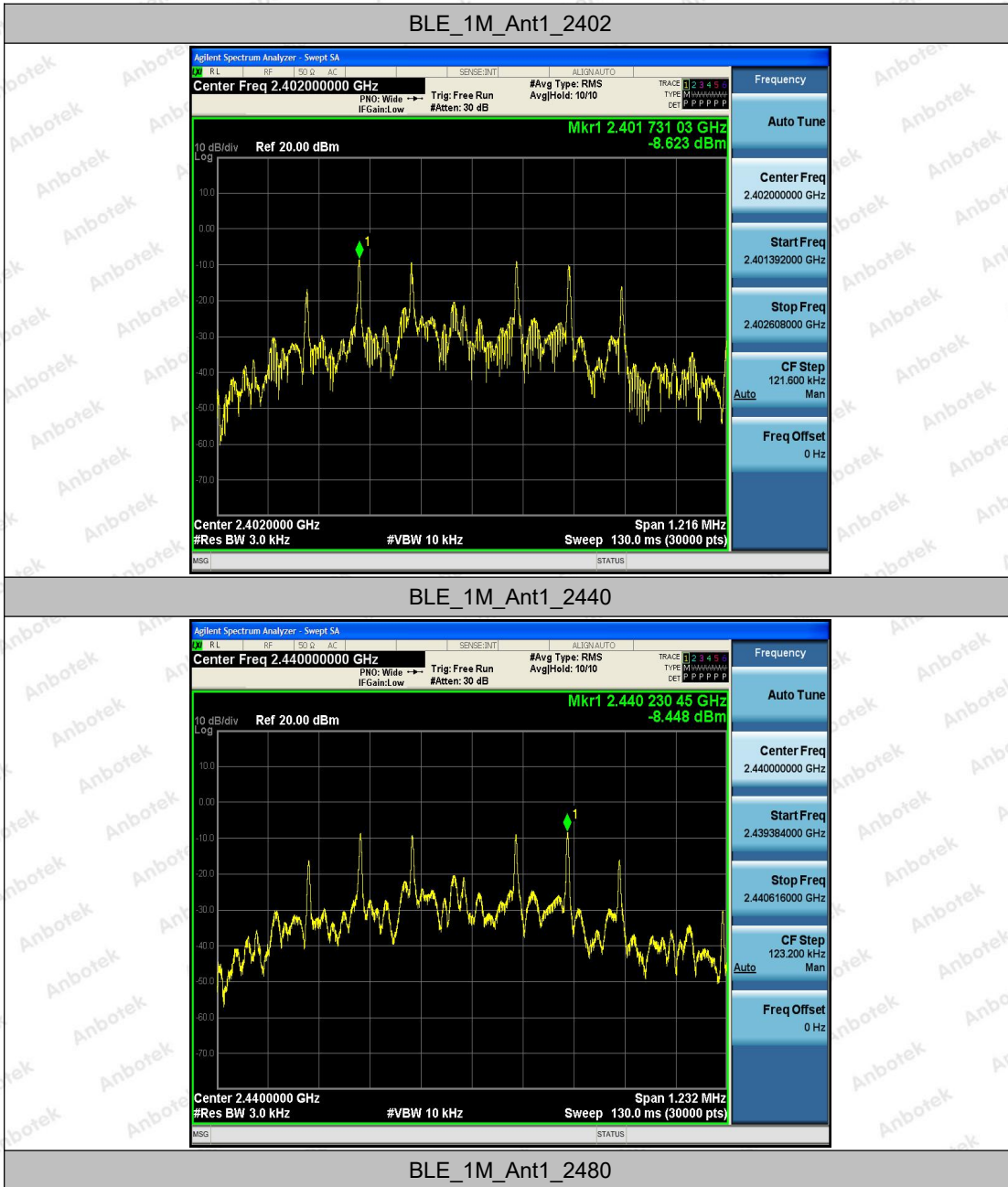
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Appendix D: Maximum power spectral density

Test Result

| TestMode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|------------------|-----------------|---------|
| BLE_1M | Ant1 | 2402 | -8.62 | ≤8 | PASS |
| | | 2440 | -8.45 | ≤8 | PASS |
| | | 2480 | -8.39 | ≤8 | PASS |

Test Graphs



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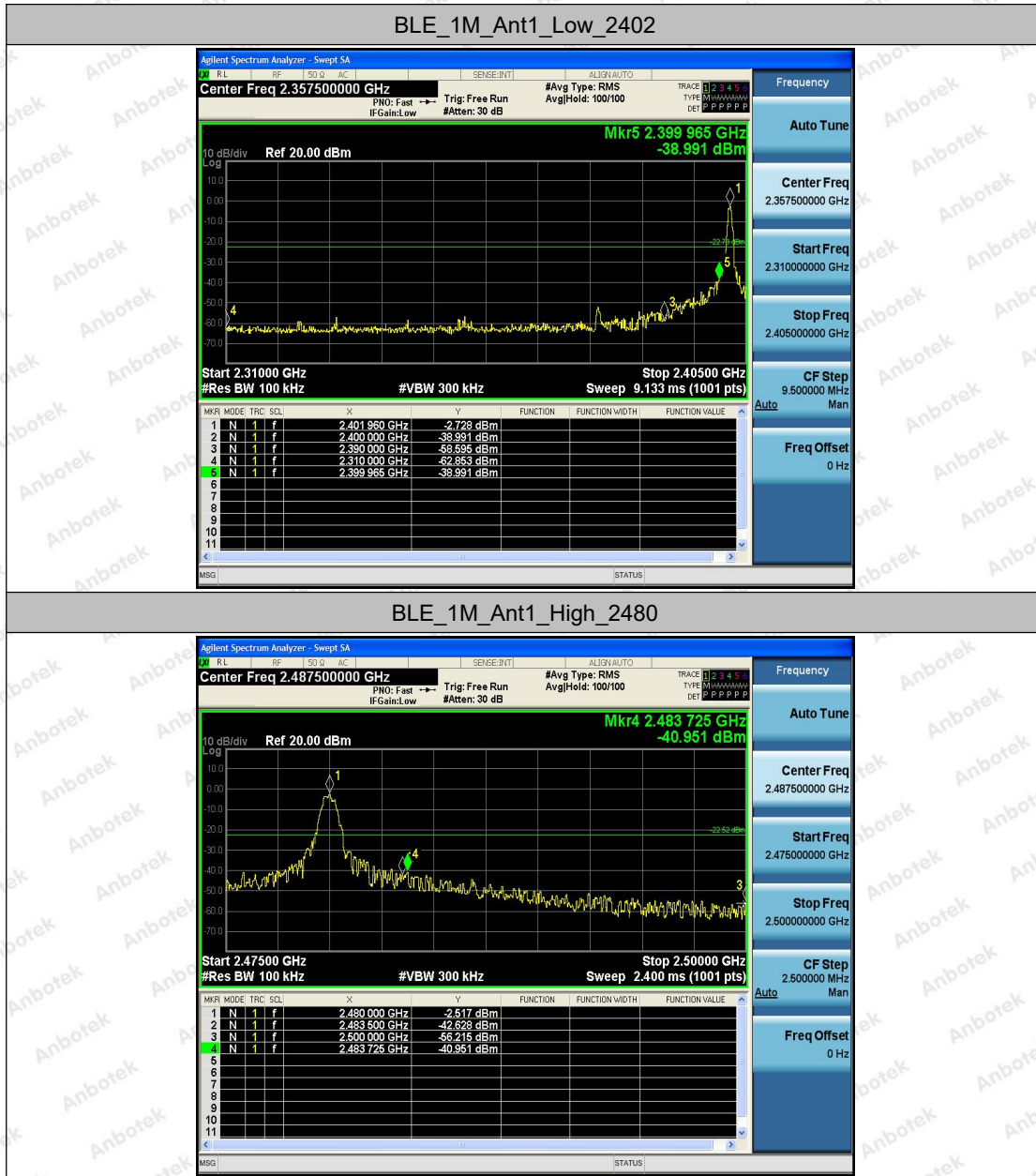
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Appendix E: Band edge measurements

Test Result

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|---------|---------------|-------------|------------|---------|
| BLE_1M | Ant1 | Low | 2402 | -2.73 | -38.99 | ≤-22.73 | PASS |
| | | High | 2480 | -2.52 | -40.95 | ≤-22.52 | PASS |

Test Graphs



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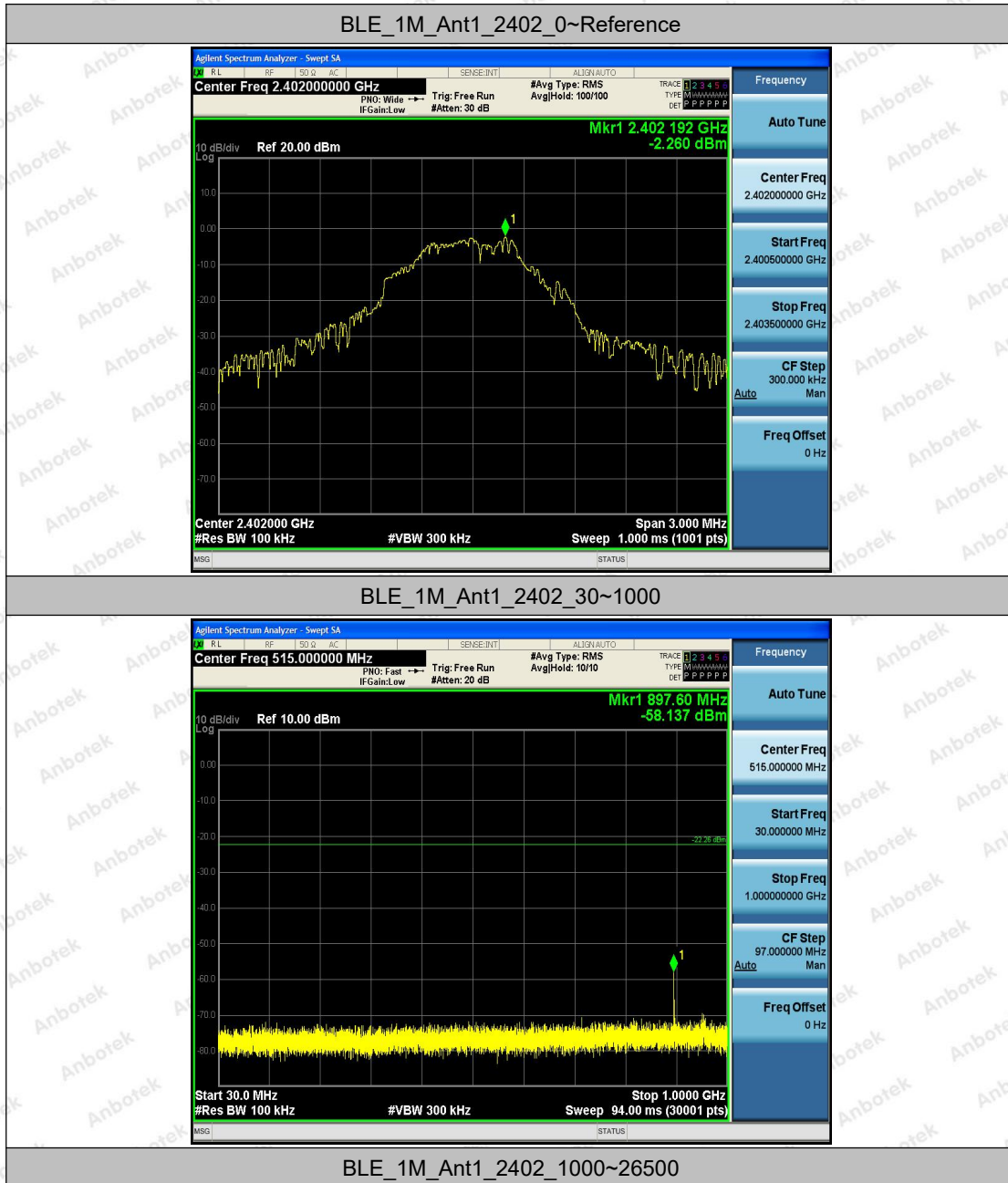
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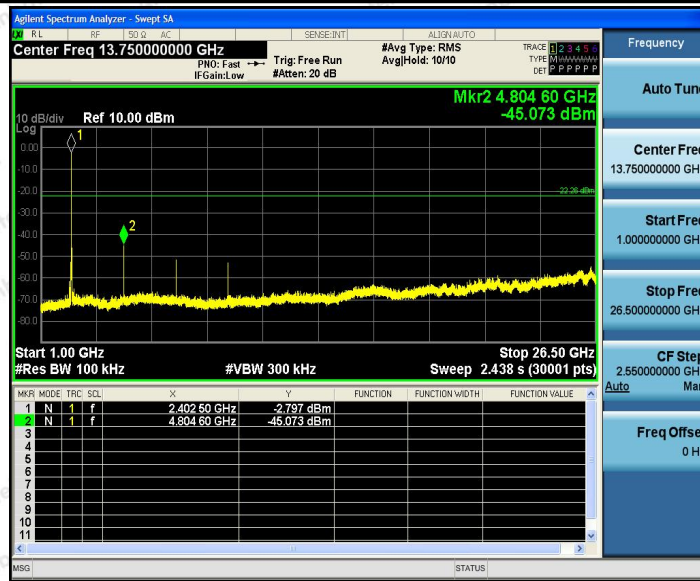
Appendix F: Conducted Spurious Emission

Test Result

| TestMode | Antenna | Channel | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-------------|------------|---------|
| BLE_1M | Ant1 | 2402 | Reference | -2.26 | -2.26 | --- | PASS |
| | | | 30~1000 | -2.26 | -58.14 | ≤-22.26 | PASS |
| | | | 1000~265 00 | -2.26 | -45.07 | ≤-22.26 | PASS |
| | | 2440 | Reference | -2.15 | -2.15 | --- | PASS |
| | | | 30~1000 | -2.15 | -63.76 | ≤-22.15 | PASS |
| | | | 1000~265 00 | -2.15 | -47.08 | ≤-22.15 | PASS |
| | | 2480 | Reference | -1.99 | -1.99 | --- | PASS |
| | | | 30~1000 | -1.99 | -60.69 | ≤-21.99 | PASS |
| | | | 1000~265 00 | -1.99 | -48.22 | ≤-21.99 | PASS |

Test Graphs

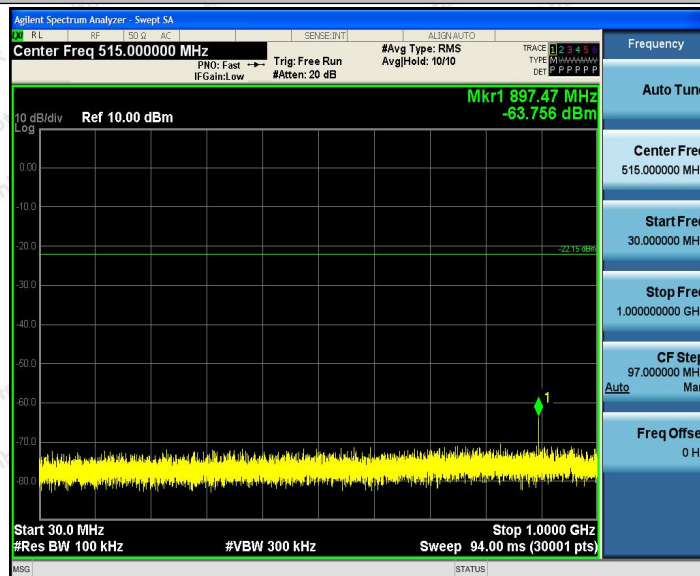




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

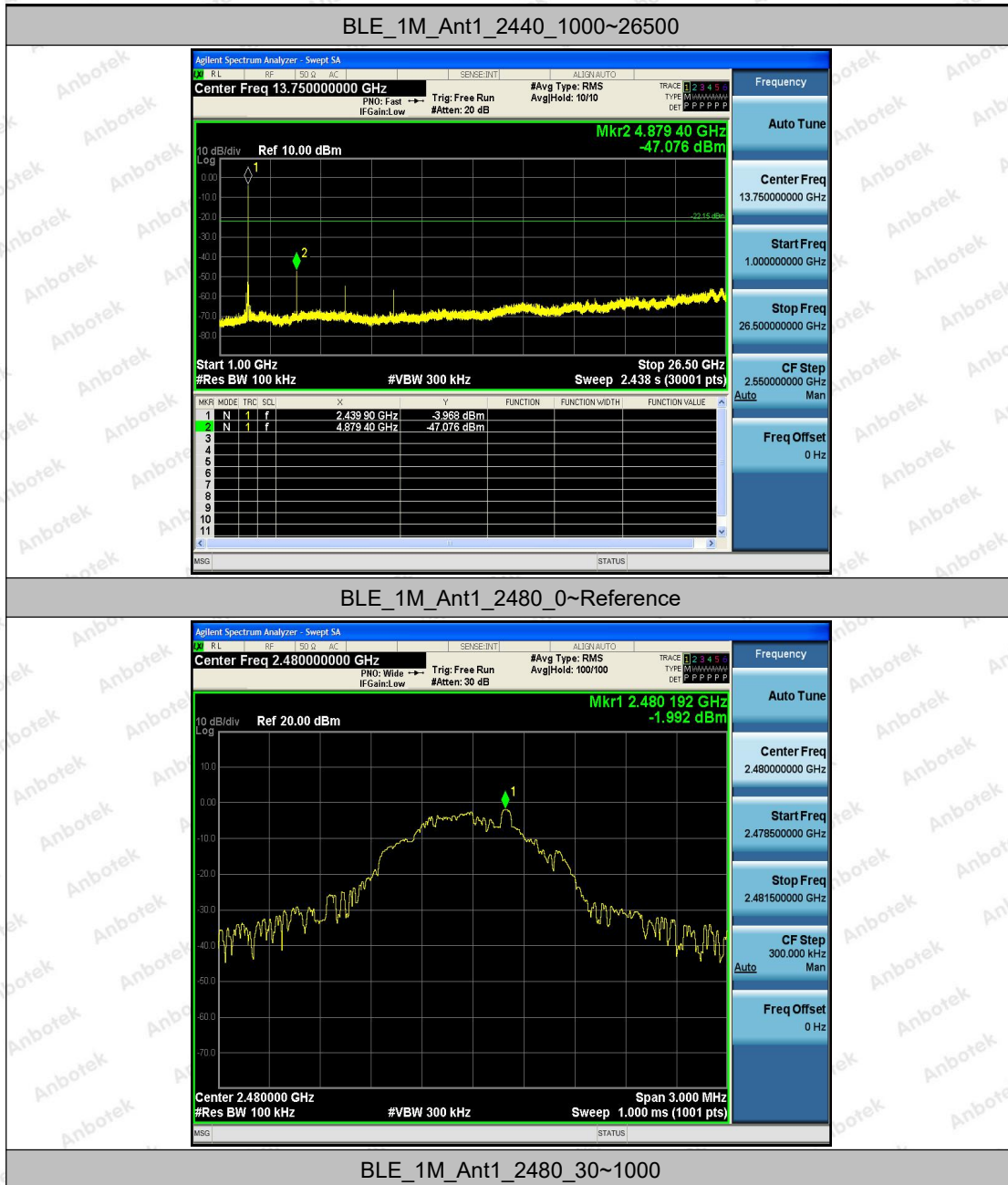


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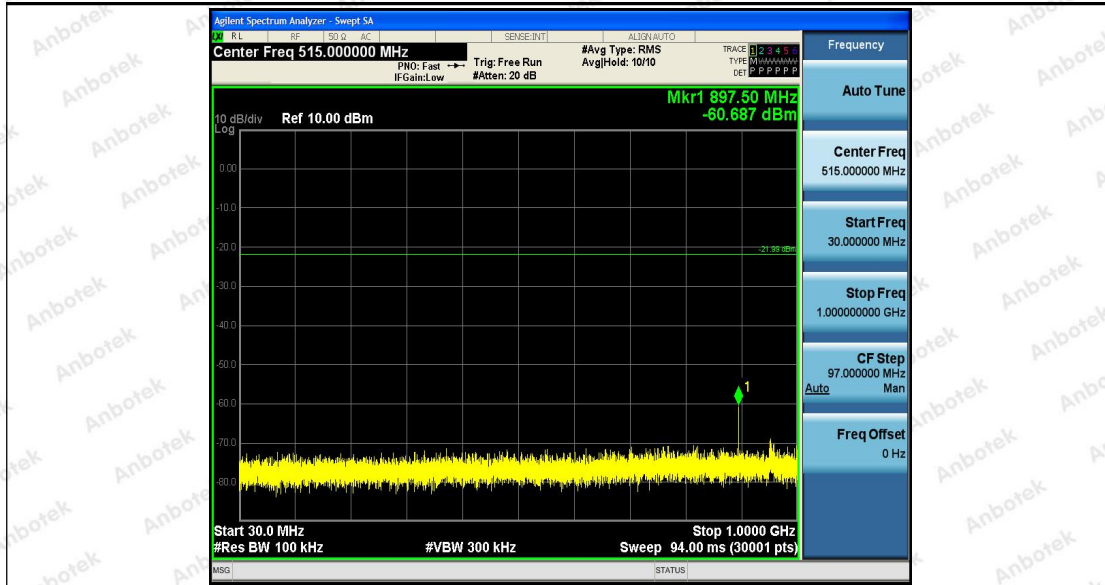


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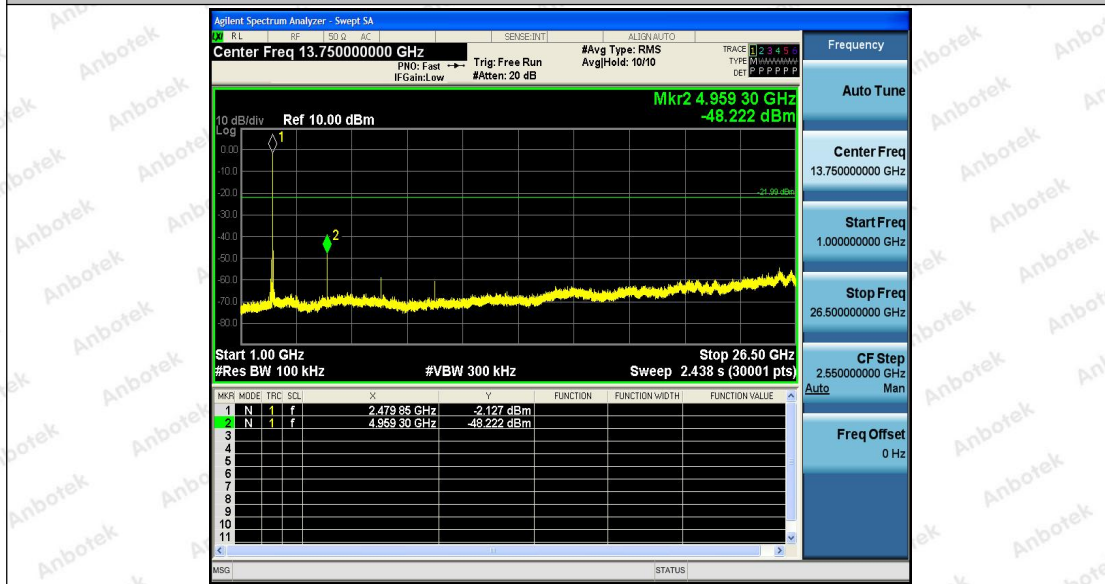
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BLE_1M_Ant1_2480_1000~26500



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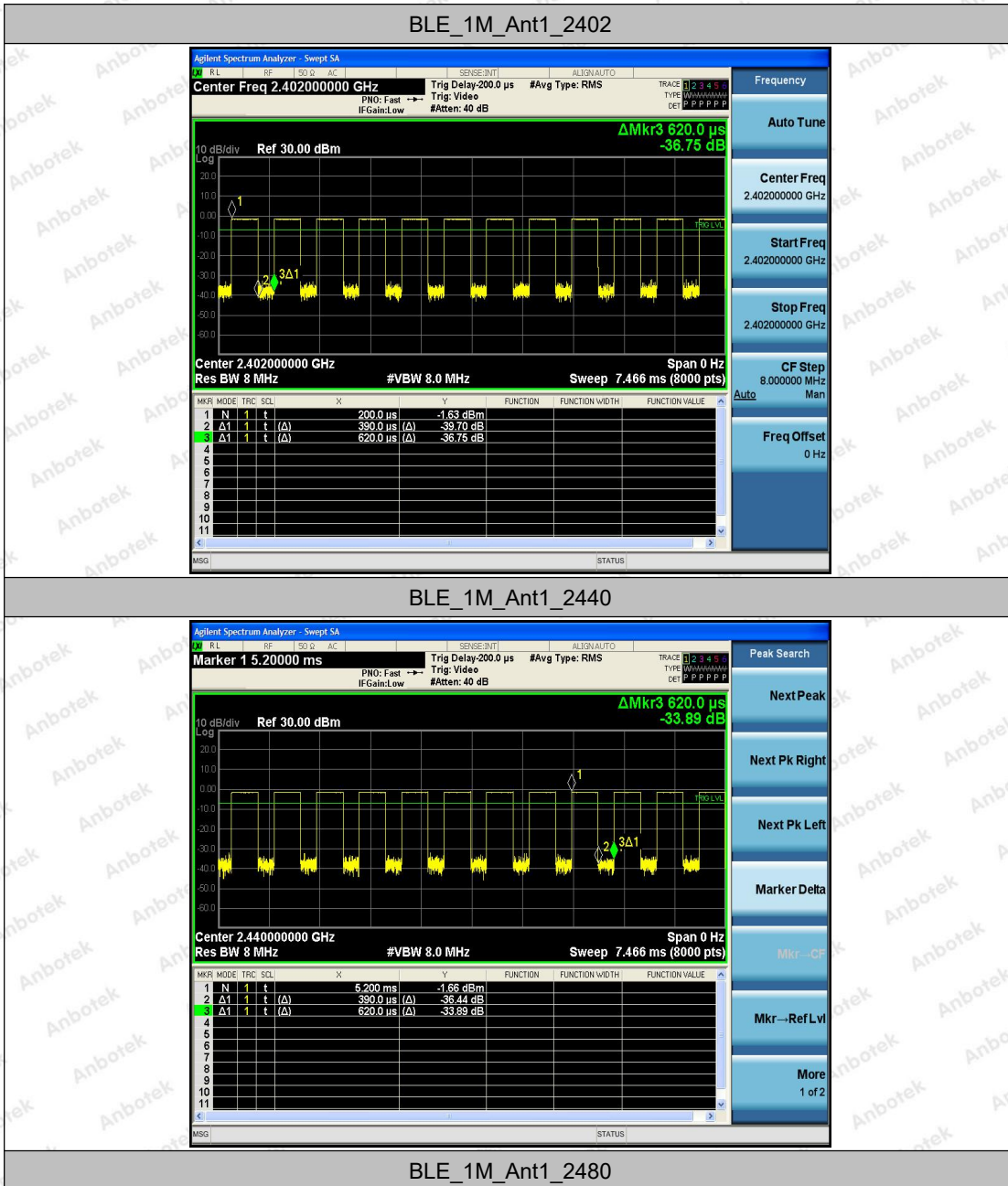
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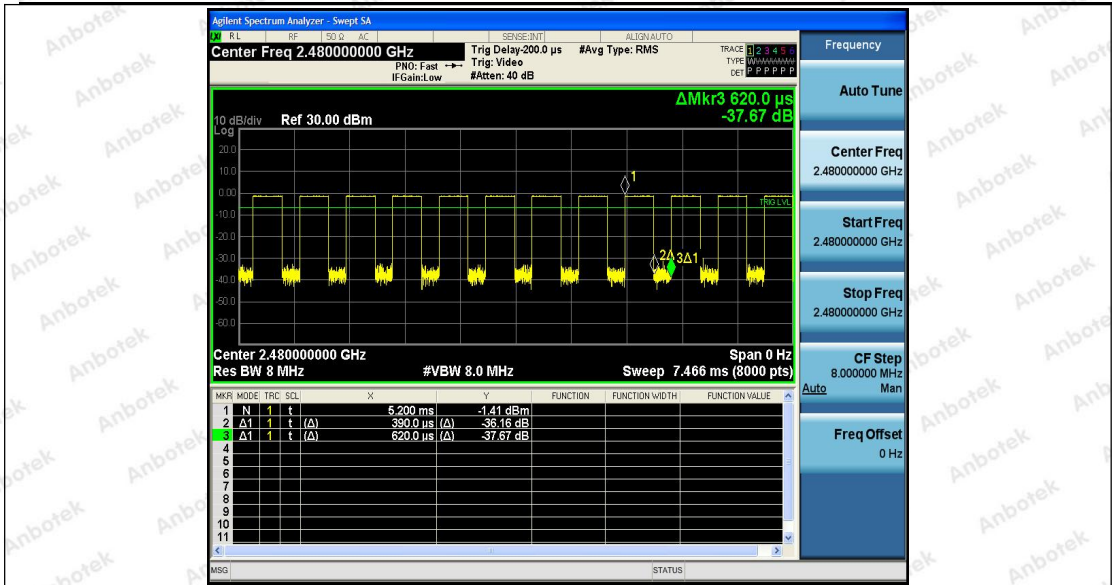
Appendix G: Duty Cycle

Test Result

| TestMode | Antenna | Channel | ON Time [ms] | Period [ms] | X | DC [%] | xFactor | Limit | Verdict |
|----------|---------|---------|--------------|-------------|------------|--------|---------|-------|---------|
| BLE_1M | Ant1 | 2402 | 0.39 | 0.62 | 0.629 0 | 62.90 | 2.01 | --- | PASS |
| | | 2440 | 0.39 | 0.62 | 0.629 0 | 62.90 | 2.01 | --- | PASS |
| | | 2480 | 0.39 | 0.62 | 0.629 0 | 62.90 | 2.01 | --- | PASS |

Test Graphs





---End---