

Appendix Test Data

| | | | |
|------------------|-----------------|--------------------|------------|
| Report No.: | 18220WC30225802 | Test Sample No.: | 1-2-2 |
| Start Test Date: | 2023.11.06 | Finish Test Date: | 2023.11.07 |
| Test Engineer: | Hayman Chen | Auditor: | RICK Luo |
| Temperature: | 26.5°C | Relative Humidity: | 49% |
| Pressure: | 101kPa | | |

Appendix A: DTS Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|---------|---------|------------|---------|
| BLE_1M | Ant1 | 2402 | 0.72 | 2401.63 | 2402.35 | 0.5 | PASS |
| | | 2440 | 0.66 | 2439.67 | 2440.33 | 0.5 | PASS |
| | | 2480 | 0.67 | 2479.66 | 2480.33 | 0.5 | PASS |

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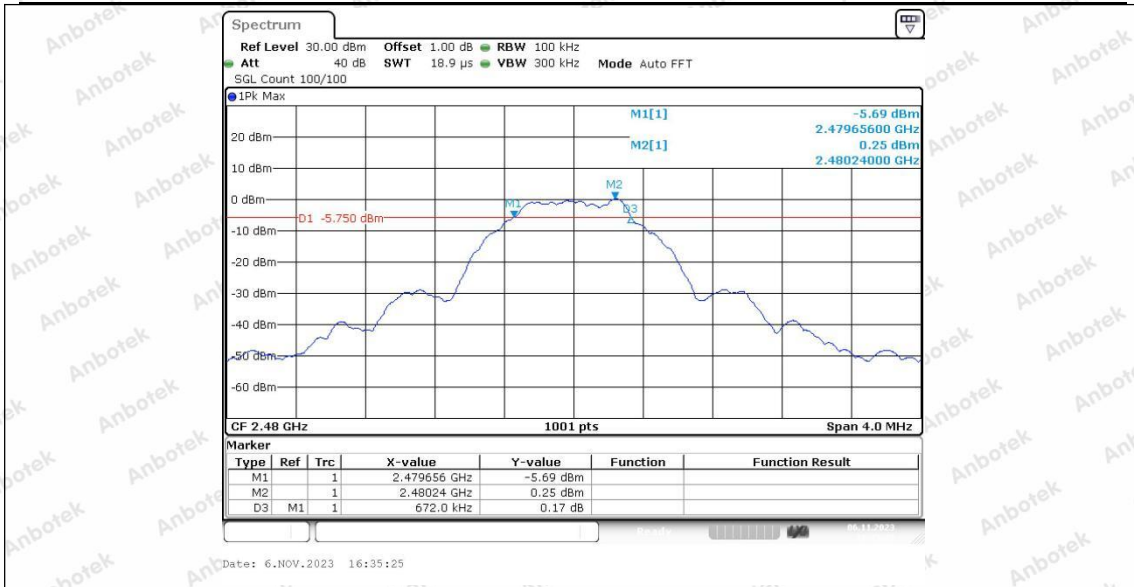


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Test Graphs





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Appendix B: Occupied Channel Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz] | FH[MHz] |
|----------|---------|----------------|-----------|-----------|-----------|
| BLE_1M | Ant1 | 2402 | 1.031 | 2401.4925 | 2402.5235 |
| | | 2440 | 1.027 | 2439.4965 | 2440.5235 |
| | | 2480 | 1.023 | 2479.4965 | 2480.5195 |

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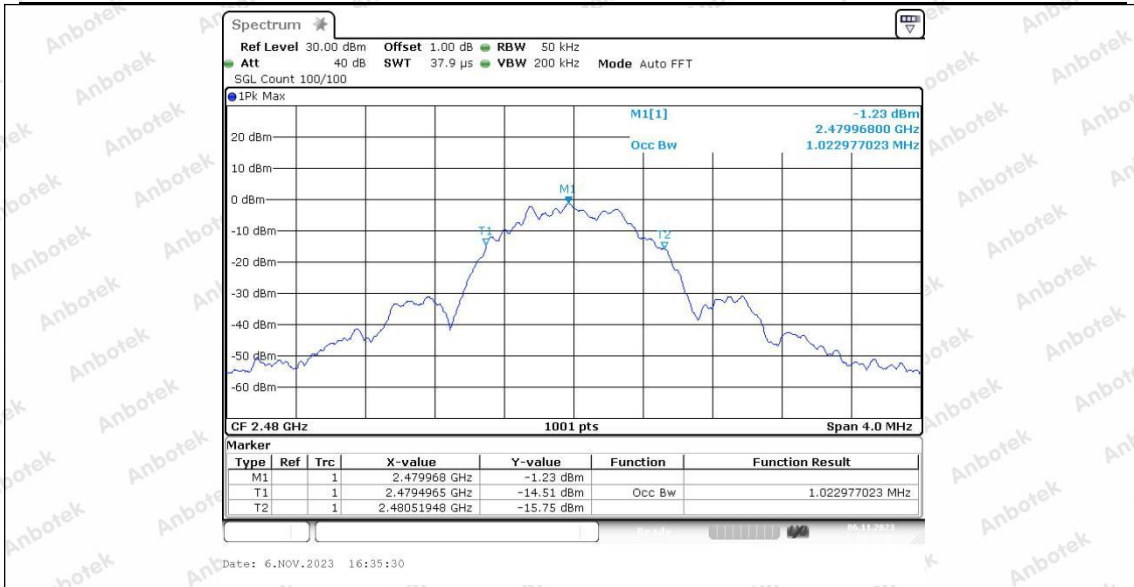


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Appendix C: Maximum conducted output power

Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------|----------------------|---------|
| BLE_1M | Ant1 | 2402 | 1.92 | ≤30 | PASS |
| | | 2440 | 2.06 | ≤30 | PASS |
| | | 2480 | 1.28 | ≤30 | PASS |



Test Graphs Peak

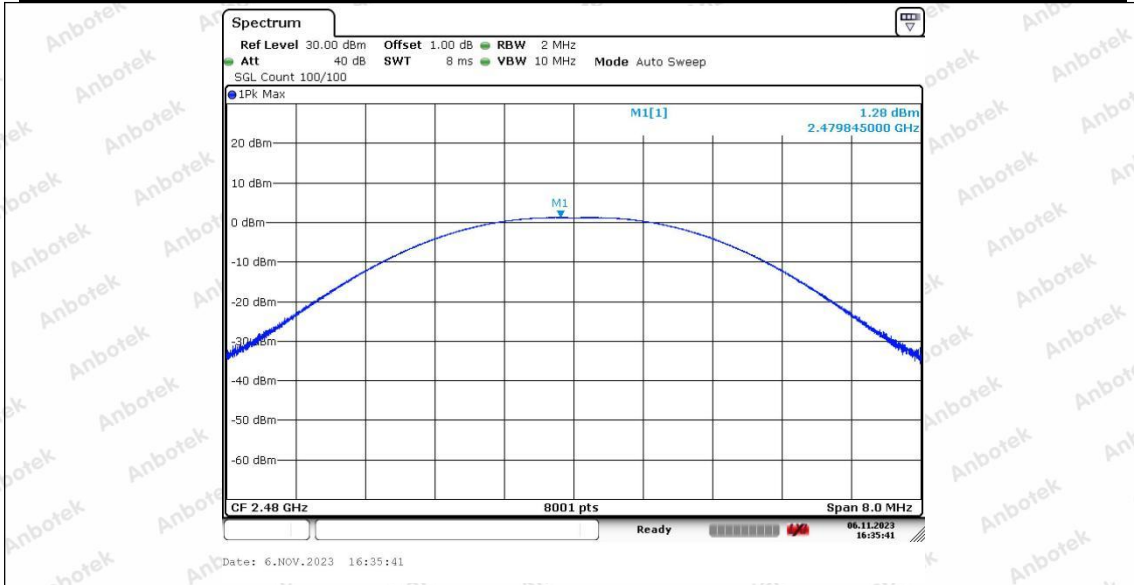


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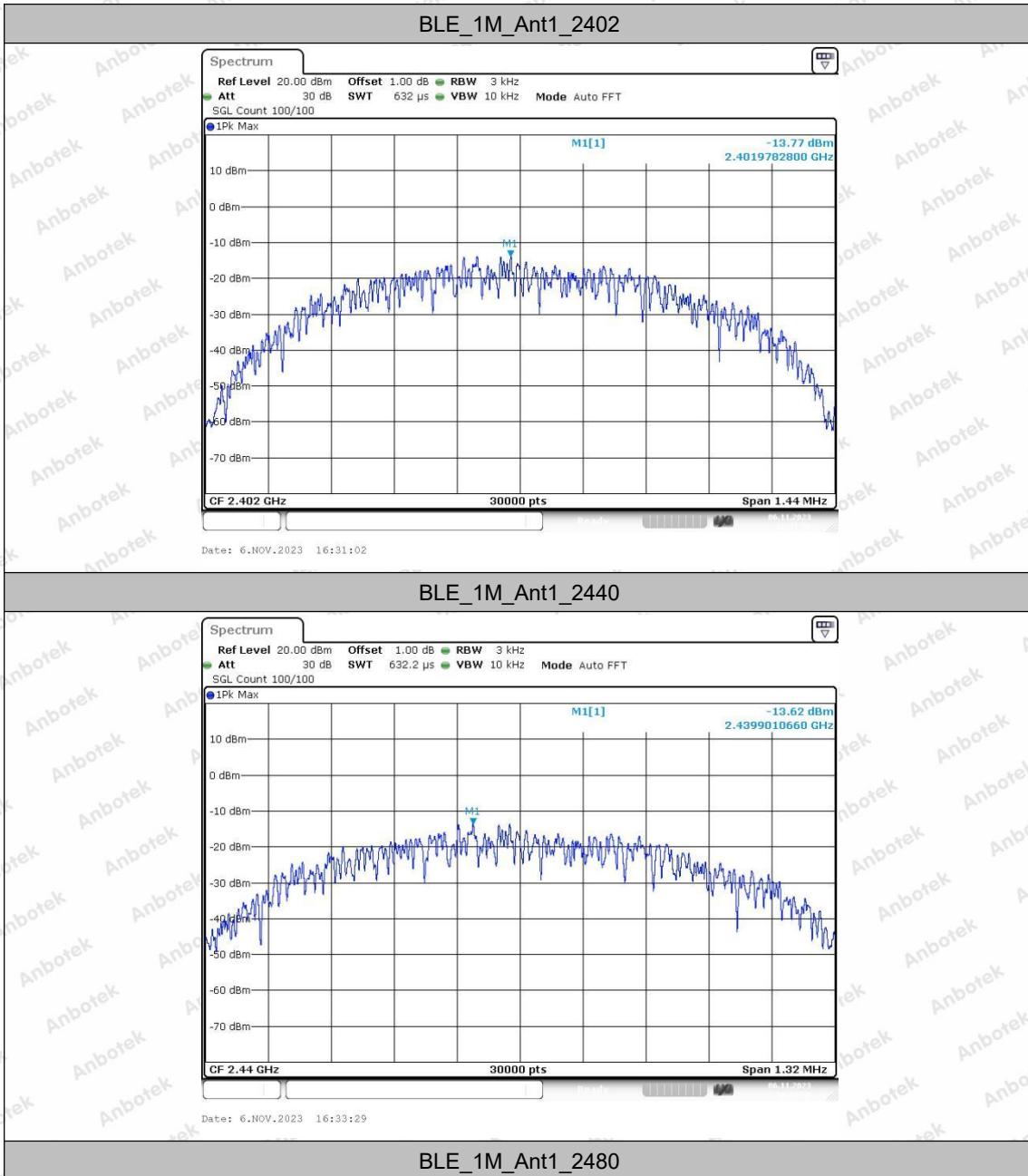
Appendix D: Maximum power spectral density

Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M | Ant1 | 2402 | -13.77 | ≤8.00 | PASS |
| | | 2440 | -13.62 | ≤8.00 | PASS |
| | | 2480 | -14.45 | ≤8.00 | PASS |



Test Graphs

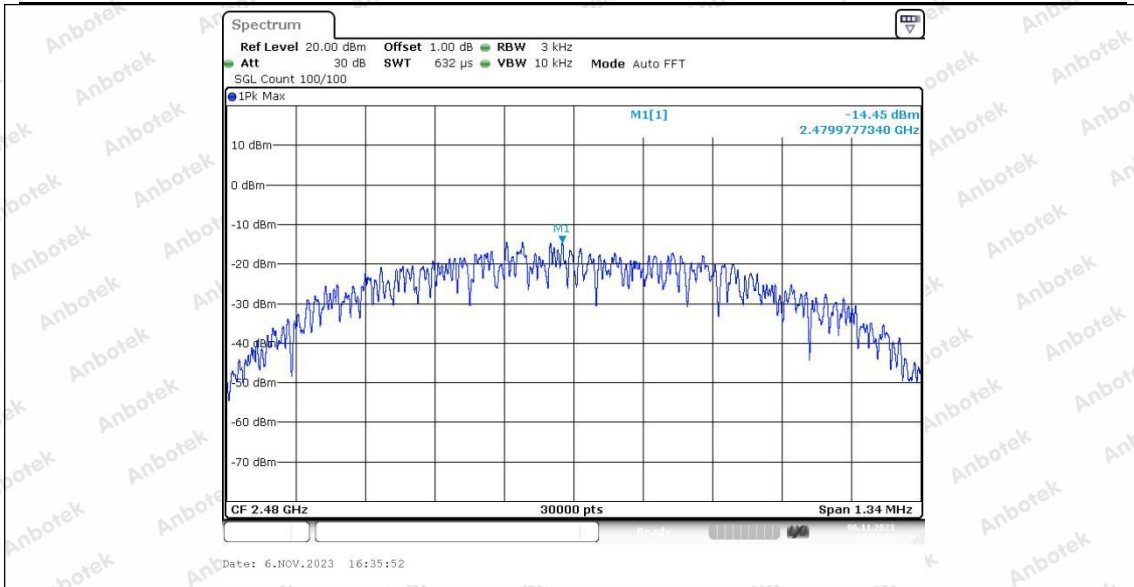


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Appendix E: Band edge measurements

Test Result

| TestMode | Antenna | ChName | Frequency [MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|-----------------|---------------|-------------|------------|---------|
| BLE_1M | Ant1 | Low | 2402 | 0.92 | -57.86 | ≤-19.08 | PASS |
| | | High | 2480 | 0.20 | -56.56 | ≤-19.8 | PASS |

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

| TestMode | Antenna | Frequency [MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|-----------------|-----------------|----------------|-------------|------------|---------|
| BLE_1M | Ant1 | 2402 | Reference | 0.14 | 0.14 | --- | PASS |
| | | | 30~1000 | 0.14 | -68.62 | ≤-19.86 | PASS |
| | | | 1000~26500 | 0.14 | -59.35 | ≤-19.86 | PASS |
| | | 2440 | Reference | 0.55 | 0.55 | --- | PASS |
| | | | 30~1000 | 0.55 | -68.72 | ≤-19.45 | PASS |
| | | | 1000~26500 | 0.55 | -59.97 | ≤-19.45 | PASS |
| | | 2480 | Reference | -1.46 | -1.46 | --- | PASS |
| | | | 30~1000 | -1.46 | -68.66 | ≤-21.46 | PASS |
| | | | 1000~26500 | -1.46 | -60.32 | ≤-21.46 | PASS |

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Test Graphs

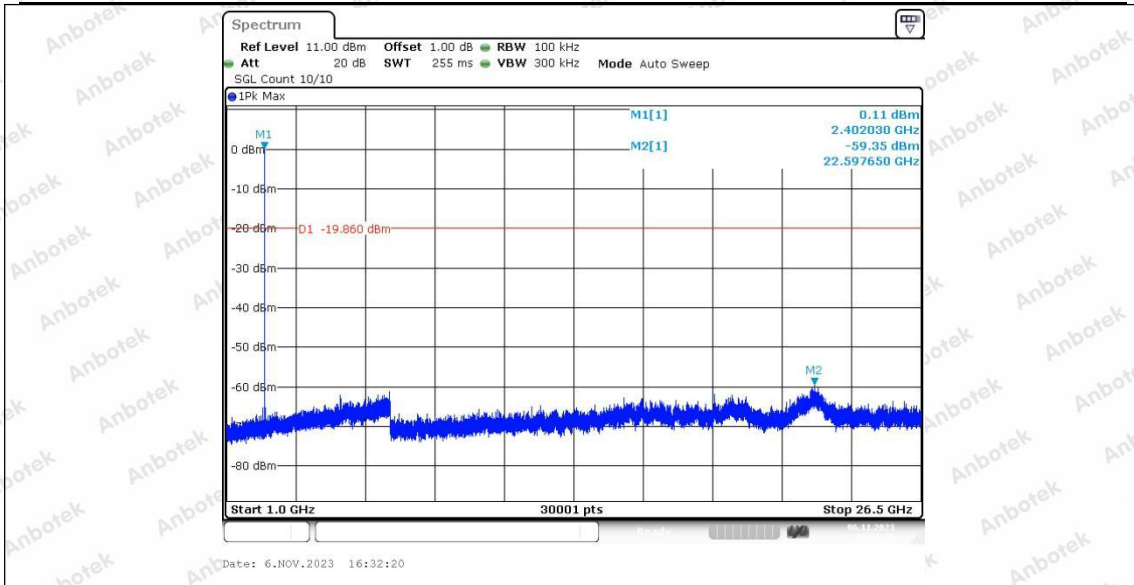


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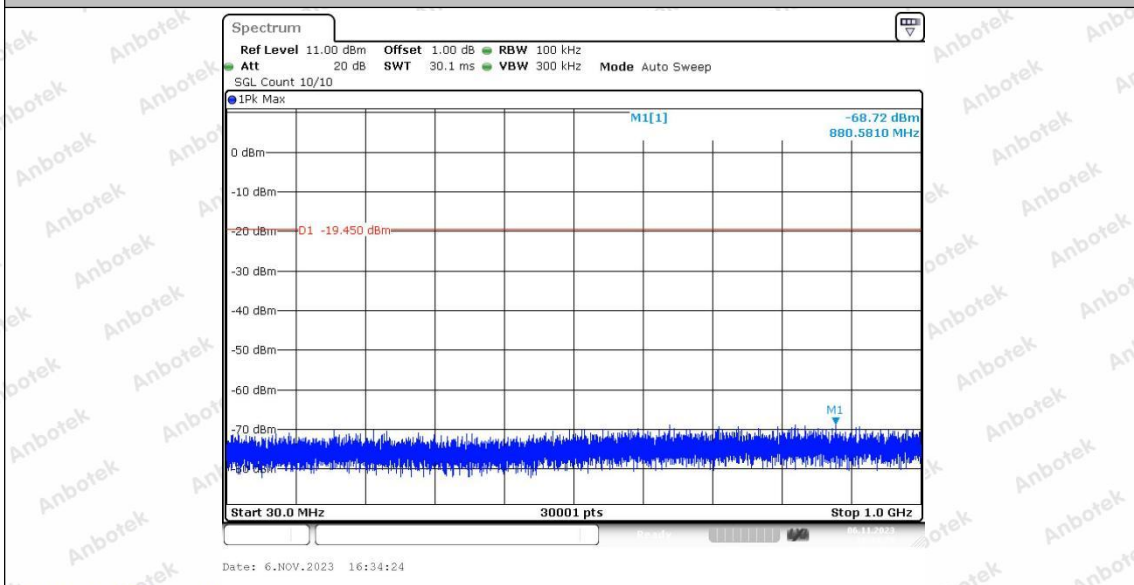




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

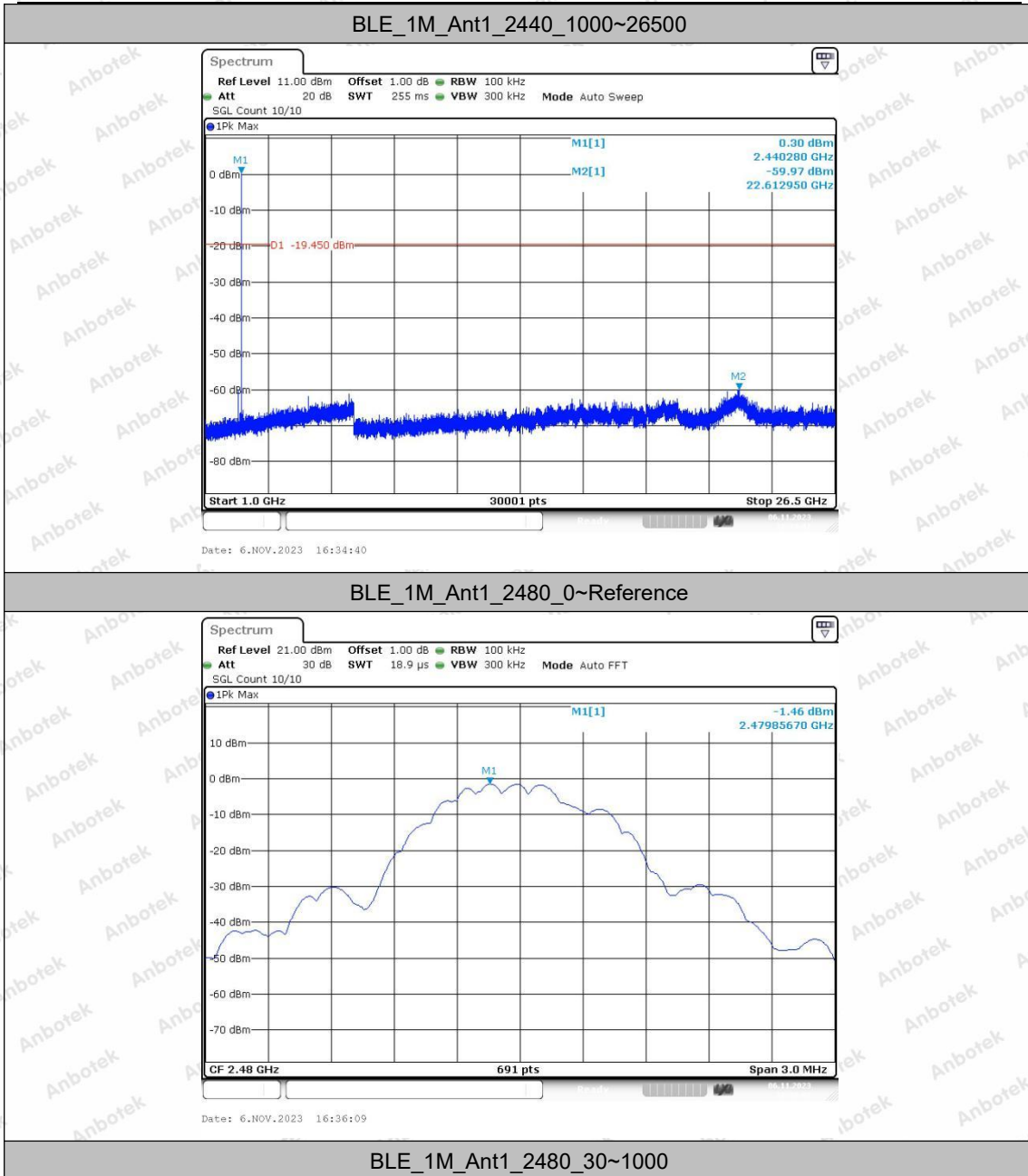


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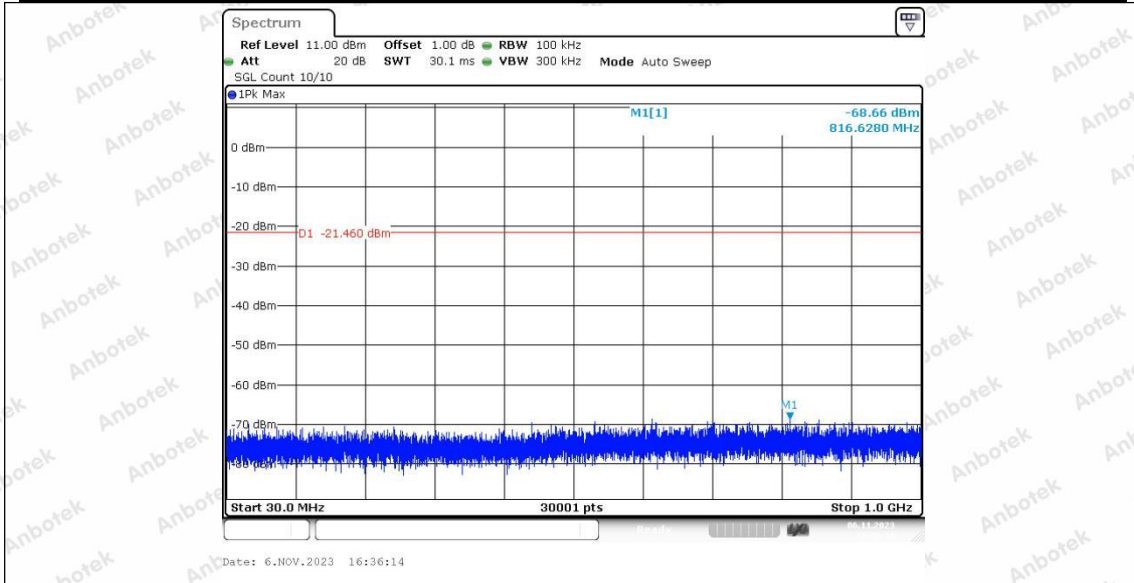


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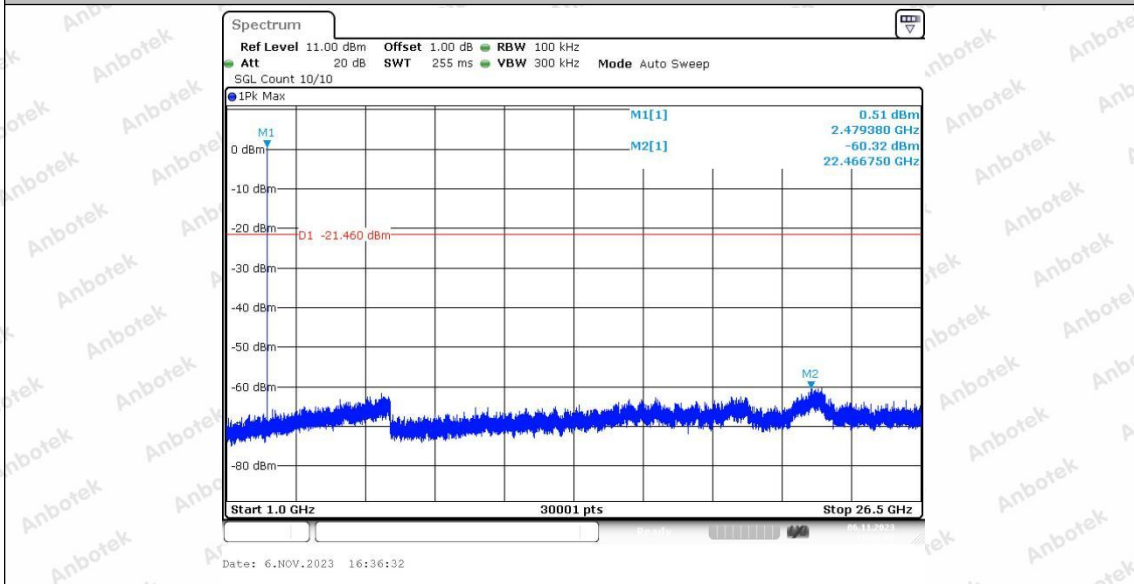
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BLE_1M_Ant1_2480_1000~26500



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Appendix G: Duty Cycle

Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| BLE_1M | Ant1 | 2402 | 0.38 | 0.63 | 60.32 | 2.20 |
| | | 2440 | 0.38 | 0.62 | 61.29 | 2.13 |
| | | 2480 | 0.38 | 0.62 | 61.29 | 2.13 |

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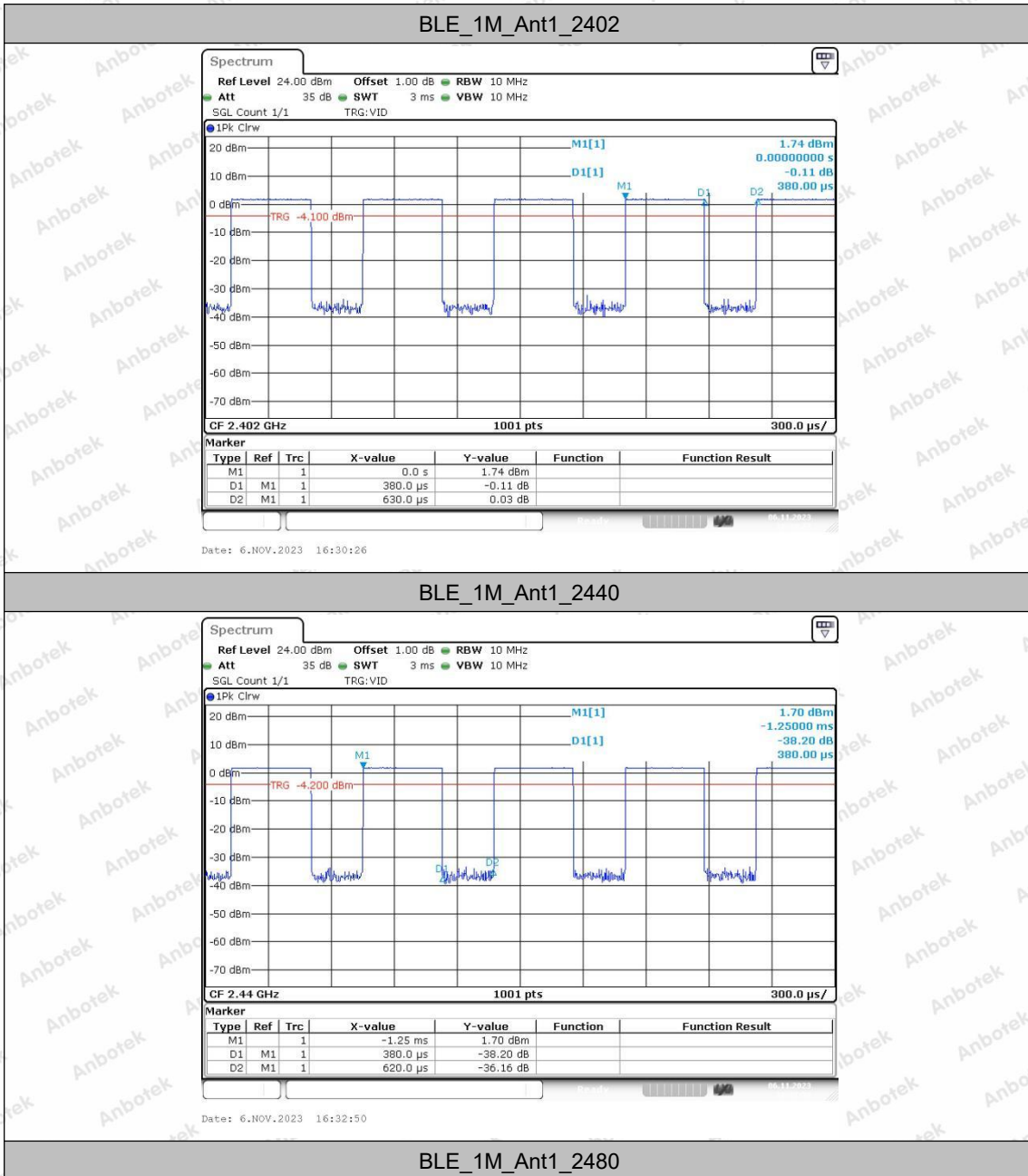
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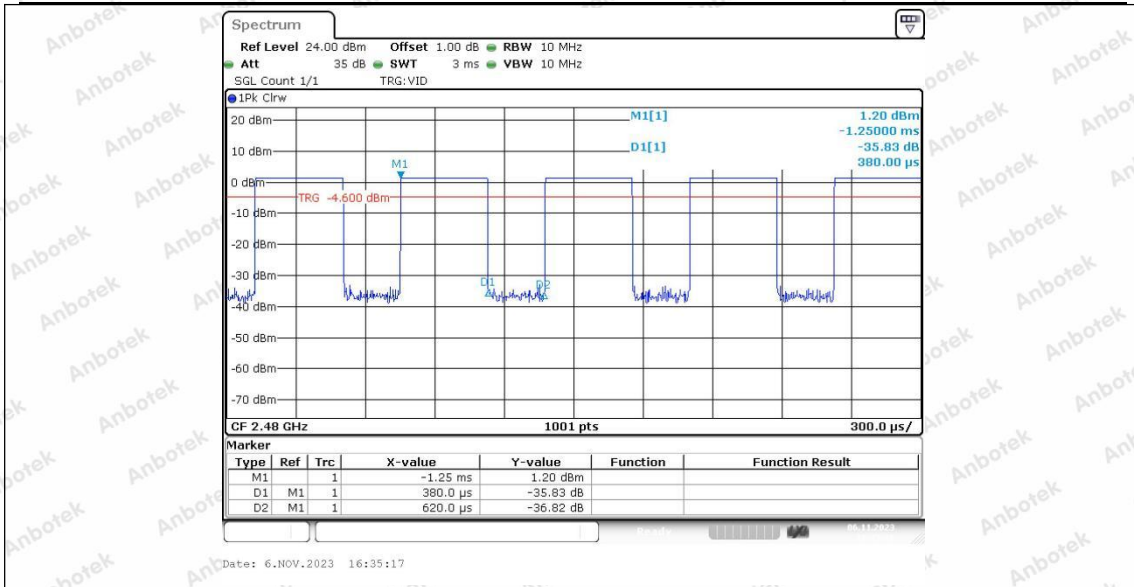


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Test Graphs





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