

Appendix Report

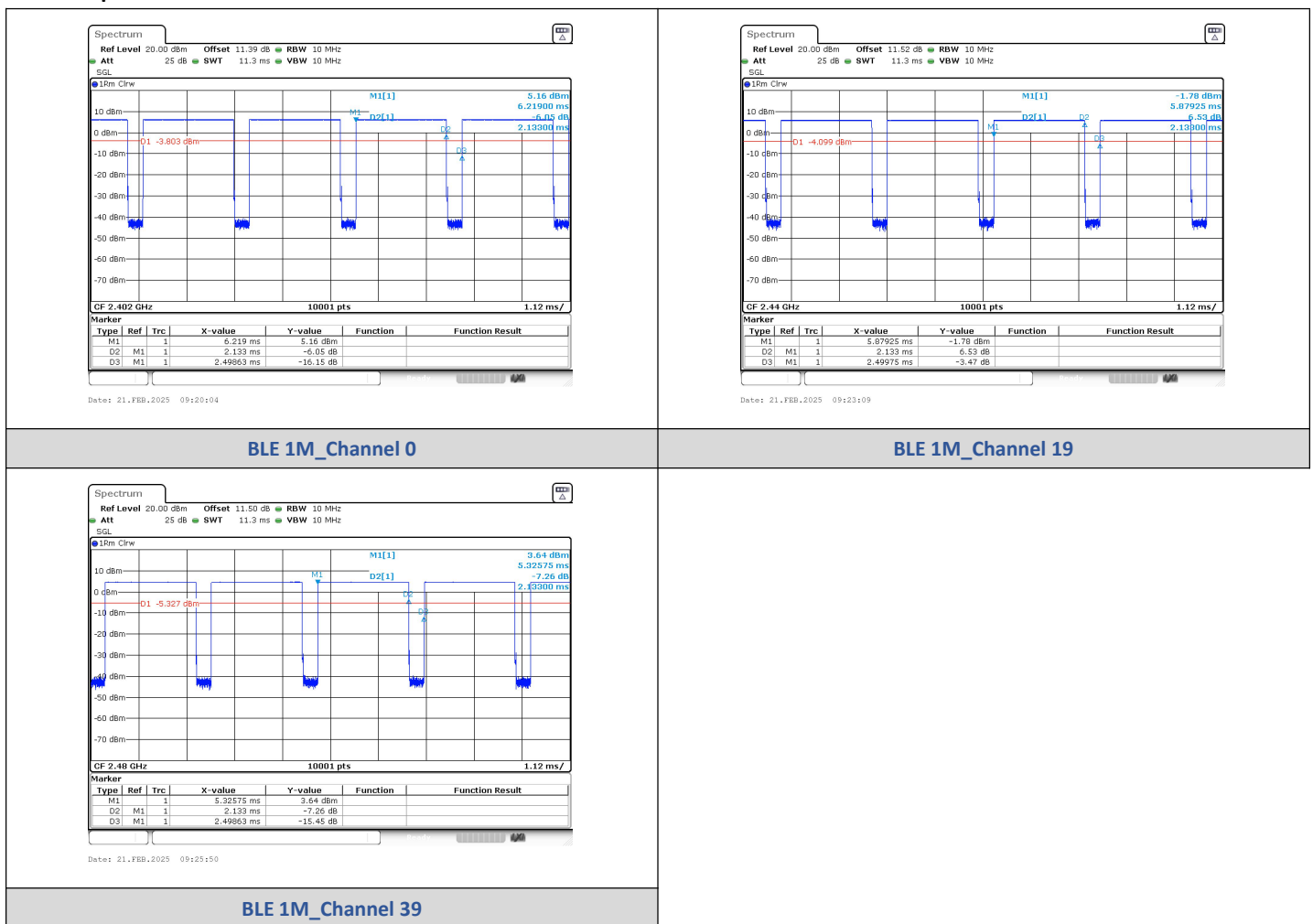
| | |
|----------------|------------------|
| Report No.: | CISRR25022008406 |
| Test Engineer: | Mark Fu |
| Supervised by: | Rory Huang |

1) Duty Cycle

Test Result

| Mode | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T |
|--------|---------|--------------|-------------|----------------|---------------------|------------------------|--------|
| BLE 1M | 0 | 2.133 | 2.499 | 85.37 | 0.8537 | 0.6869 | 0.4688 |
| | 19 | 2.133 | 2.500 | 85.33 | 0.8533 | 0.689 | 0.4688 |
| | 39 | 2.133 | 2.499 | 85.37 | 0.8537 | 0.6869 | 0.4688 |

Test Graphs

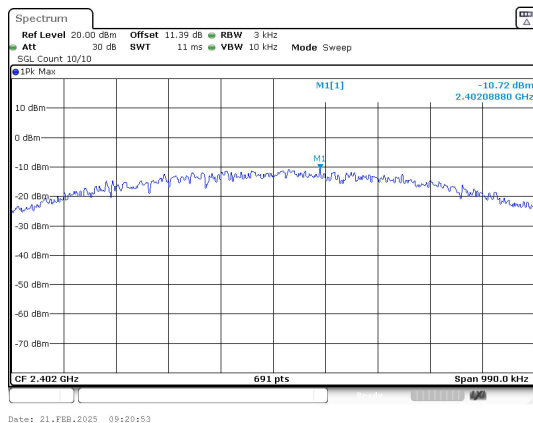


2) Power Spectral Density

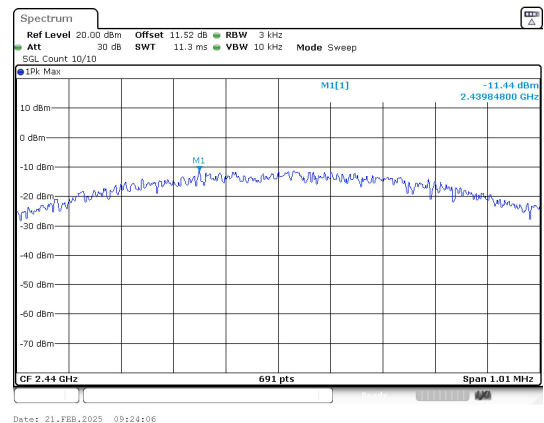
Test Result

| Mode | Channel | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|--------|---------|----------------|------------------|--------|
| BLE 1M | 0 | -10.720 | ≤8 | PASS |
| BLE 1M | 19 | -11.440 | ≤8 | PASS |
| BLE 1M | 39 | -12.200 | ≤8 | PASS |

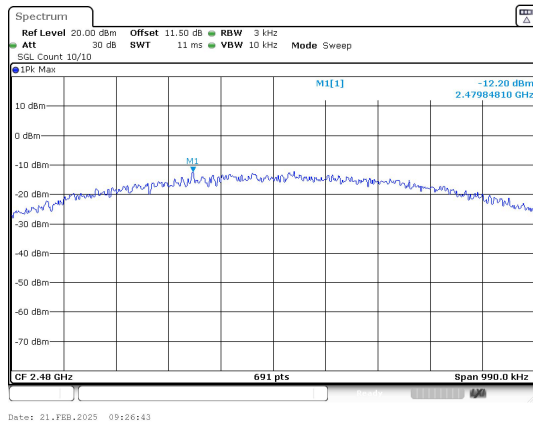
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



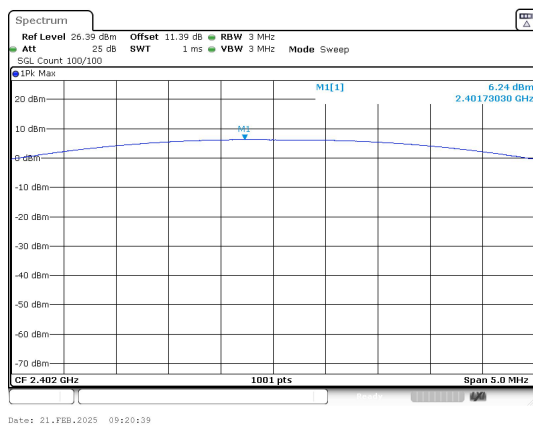
BLE 1M_Channel 39

3) Conducted Output Power

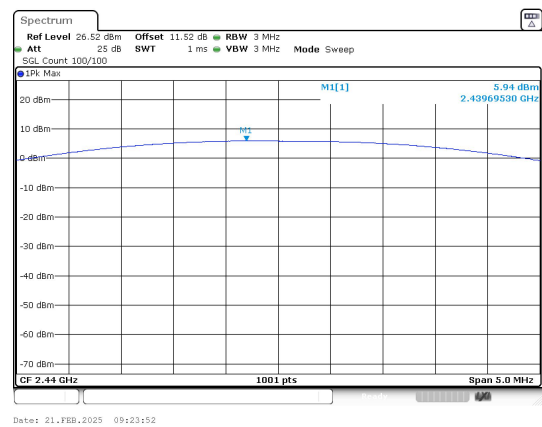
Test Result

| Mode | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|--------|---------|-------------------------|------------------------|-------------|--------|
| BLE 1M | 0 | 6.24 | 4.21 | ≤30 | PASS |
| | 19 | 5.94 | 3.93 | ≤30 | PASS |
| | 39 | 4.72 | 2.96 | ≤30 | PASS |

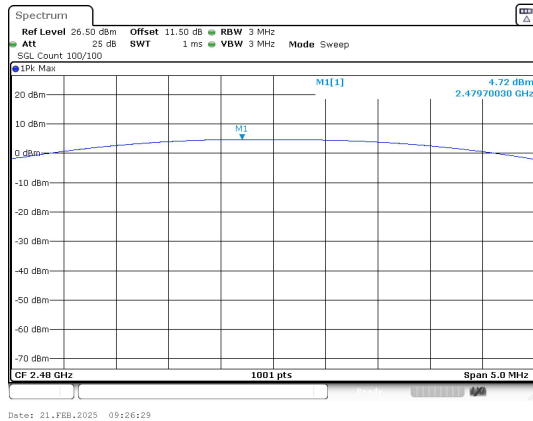
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



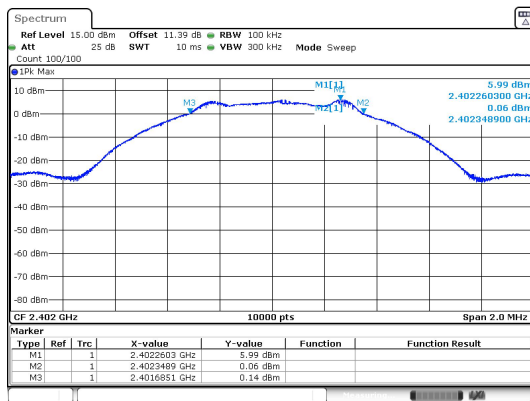
Peak Output Power
BLE 1M_Channel 39

4) 6dB Bandwidth

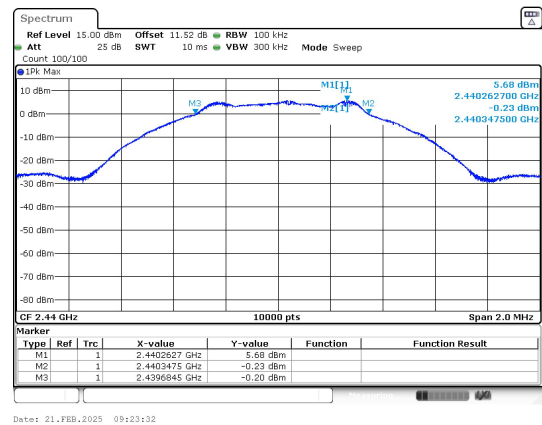
Test Result

| Mode | Channel | Center Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|--------|---------|------------------------|----------------------|-------------|--------|
| BLE 1M | 0 | 2402 | 0.6600 | ≥0.5 | PASS |
| | 19 | 2440 | 0.6700 | | PASS |
| | 39 | 2480 | 0.6600 | | PASS |

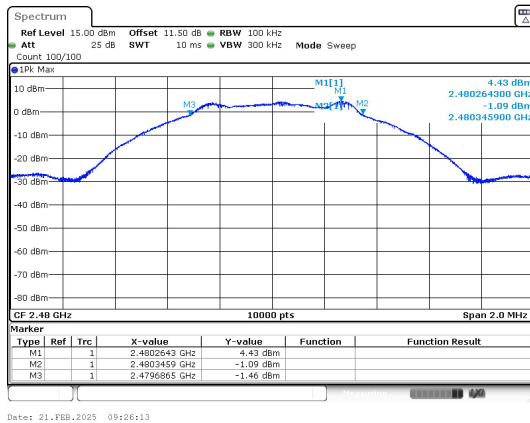
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



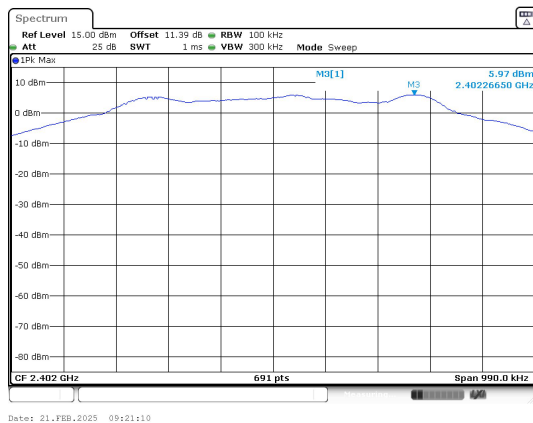
BLE 1M_Channel 39

5) Conducted Out Of Band Emission

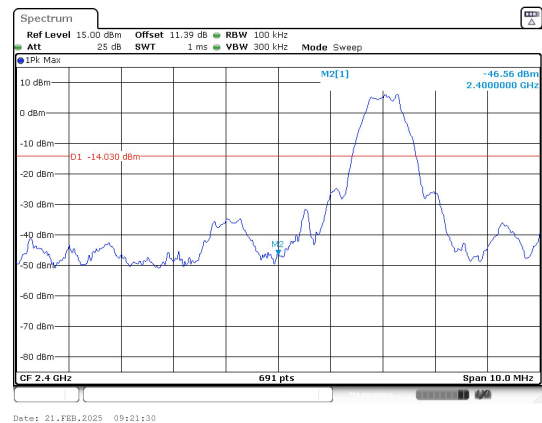
Test Result

| Mode | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| BLE 1M | 0 | 2399.00 | -35.075 | -14.03 | -21.045 | PASS |
| | | 2400.00 | -46.560 | -14.03 | -32.530 | PASS |
| | | 7205.10 | -40.138 | -14.03 | -26.108 | PASS |
| | 19 | 9753.73 | -39.903 | -14.32 | -25.583 | PASS |
| | 39 | 2483.50 | -44.670 | -15.57 | -29.100 | PASS |
| | | 9914.37 | -37.890 | -15.57 | -22.320 | PASS |

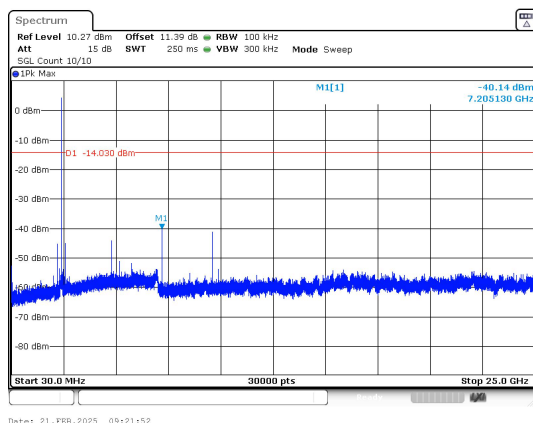
Test Graphs



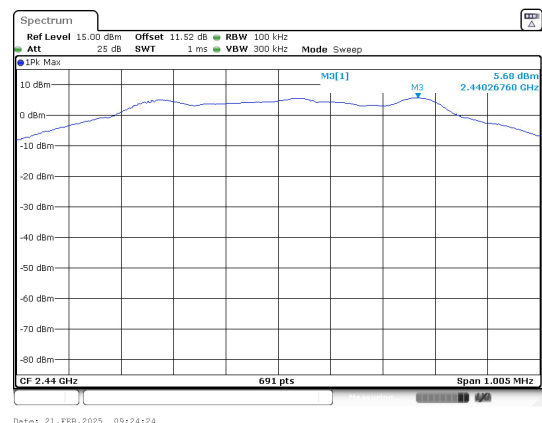
In-Band Reference Level
BLE 1M_Channel 0



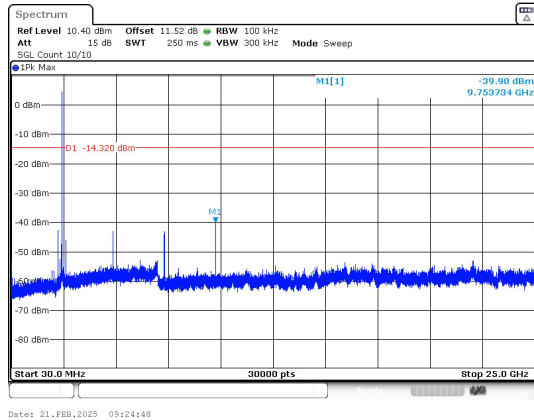
Out Of Band Emission
BLE 1M_Channel 0



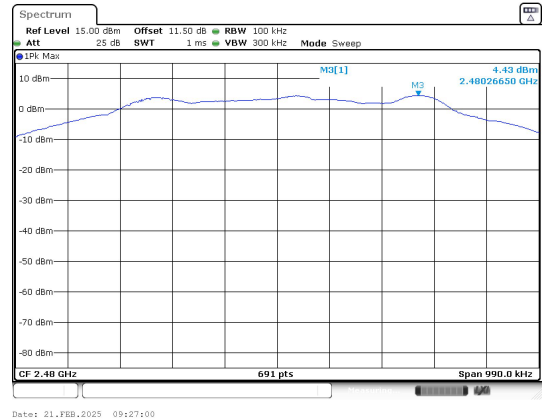
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



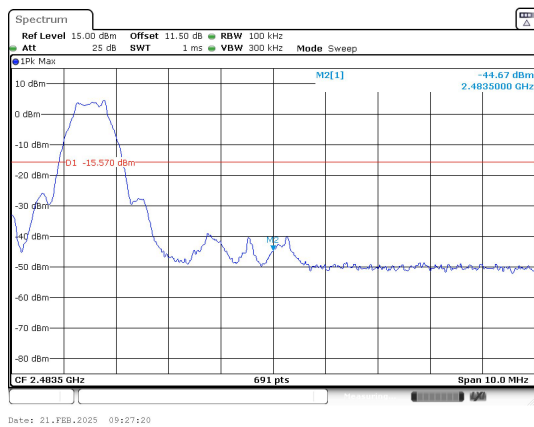
In-Band Reference Level
BLE 1M_Channel 19



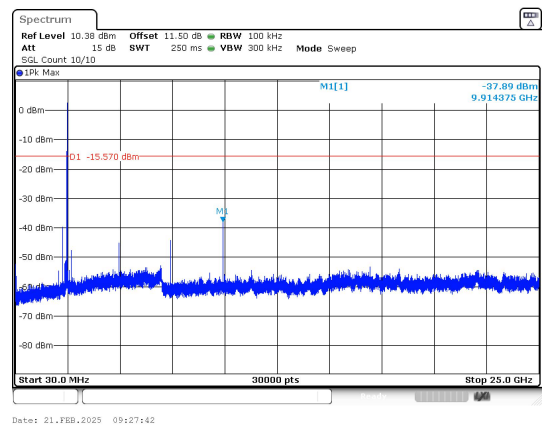
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



In-Band Reference Level
BLE 1M_Channel 39



Out Of Band Emission
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39

-----End of the report-----