



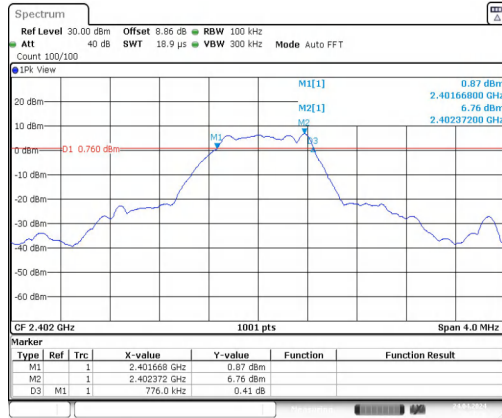
## Appendix A: DTS Bandwidth

### Test Result

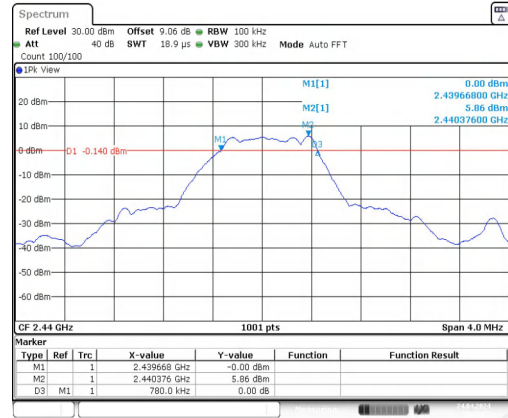
| TestMode | Antenna | Frequency[MHz] | DTS BW<br>[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------------|---------|---------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.78            | 2401.67 | 2402.44 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2440           | 0.78            | 2439.67 | 2440.45 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2480           | 0.78            | 2479.67 | 2480.45 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2402           | 1.16            | 2401.45 | 2402.60 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2440           | 1.16            | 2439.45 | 2440.61 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2480           | 1.16            | 2479.45 | 2480.60 | 0.5        | PASS    |



## Test Graphs



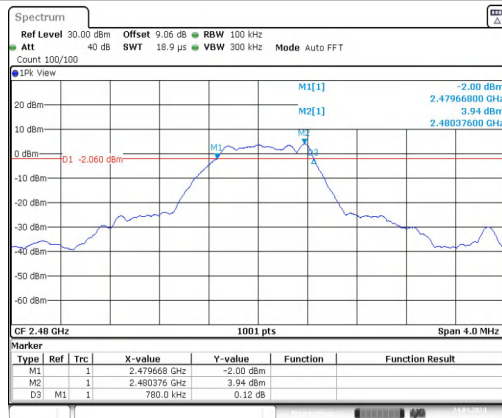
Date: 24.APR.2024 14:21:41



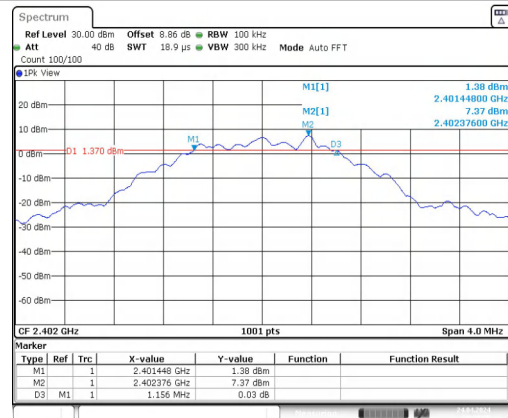
Date: 24.APR.2024 14:24:25

BLE\_1M-Ant1-2402-PASS

BLE\_1M-Ant1-2440-PASS



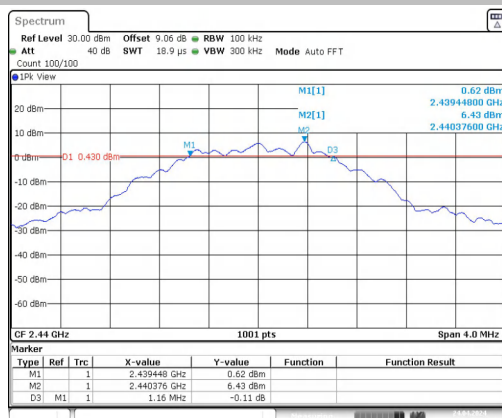
Date: 24.APR.2024 14:27:31



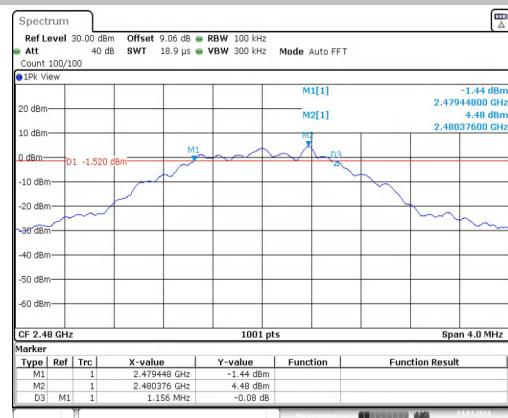
Date: 24.APR.2024 14:29:46

BLE\_1M-Ant1-2480-PASS

BLE\_2M-Ant1-2402-PASS



Date: 24.APR.2024 14:32:39



Date: 24.APR.2024 14:35:32

BLE\_2M-Ant1-2440-PASS

BLE\_2M-Ant1-2480-PASS



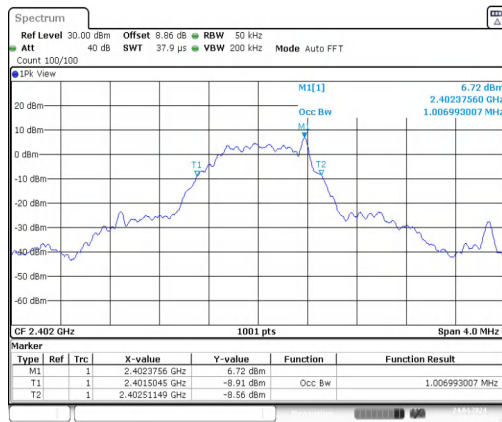
## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Channel<br>Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|-----------|-----------|-----------|------------|---------|
| BLE_1M    | Ant1    | 2402                      | 1.007     | 2401.5045 | 2402.5115 | ---        | ---     |
| BLE_1M    | Ant1    | 2440                      | 1.007     | 2439.5045 | 2440.5115 | ---        | ---     |
| BLE_1M    | Ant1    | 2480                      | 1.011     | 2479.5005 | 2480.5115 | ---        | ---     |
| BLE_2M    | Ant1    | 2402                      | 1.982     | 2401.0250 | 2403.0070 | ---        | ---     |
| BLE_2M    | Ant1    | 2440                      | 1.994     | 2439.0210 | 2441.0150 | ---        | ---     |
| BLE_2M    | Ant1    | 2480                      | 2.006     | 2479.0130 | 2481.0190 | ---        | ---     |

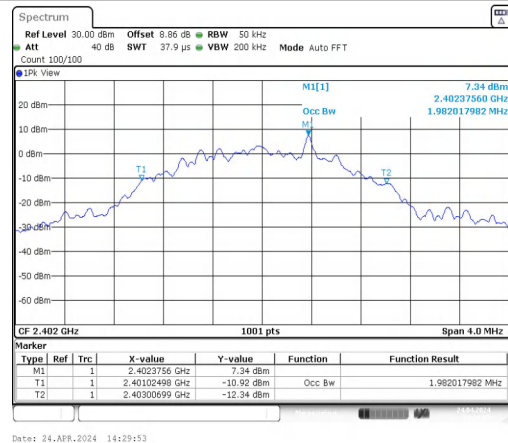
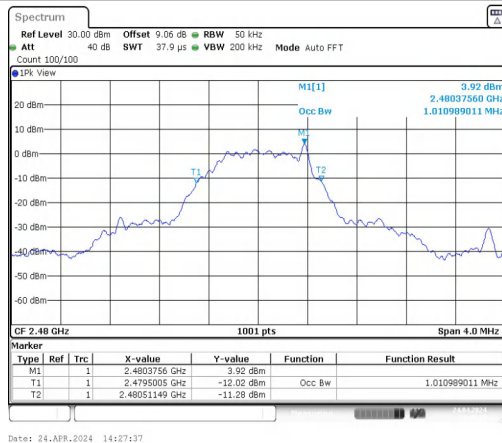


## Test Graphs



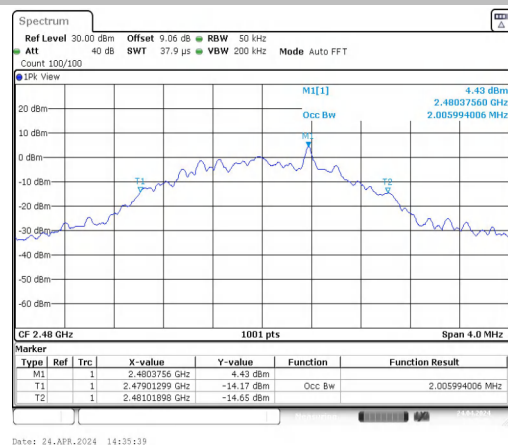
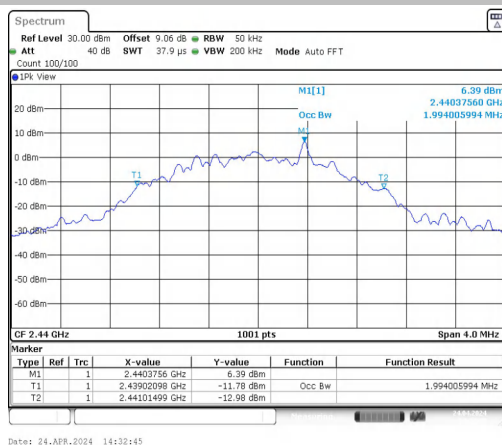
BLE\_1M-Ant1-2402

BLE\_1M-Ant1-2440



BLE\_1M-Ant1-2480

BLE\_2M-Ant1-2402



BLE\_2M-Ant1-2440

BLE\_2M-Ant1-2480



## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency<br>[MHz] | Peak<br>Power<br>[dBm] | Peak<br>Powe Limit<br>[dBm] | Gain<br>[dBi] | EIRP<br>[dBm] | EIRP<br>Limit<br>[dBm] | Verdict |
|-----------|---------|--------------------|------------------------|-----------------------------|---------------|---------------|------------------------|---------|
| BLE_1M    | Ant1    | 2402               | 7.57                   | ≤30                         | 1.20          | 8.77          | ≤36                    | PASS    |
| BLE_1M    | Ant1    | 2440               | 6.69                   | ≤30                         | 1.20          | 7.89          | ≤36                    | PASS    |
| BLE_1M    | Ant1    | 2480               | 4.78                   | ≤30                         | 1.20          | 5.98          | ≤36                    | PASS    |
| BLE_2M    | Ant1    | 2402               | 8.12                   | ≤30                         | 1.20          | 9.32          | ≤36                    | PASS    |
| BLE_2M    | Ant1    | 2440               | 7.22                   | ≤30                         | 1.20          | 8.42          | ≤36                    | PASS    |
| BLE_2M    | Ant1    | 2480               | 5.27                   | ≤30                         | 1.20          | 6.47          | ≤36                    | PASS    |



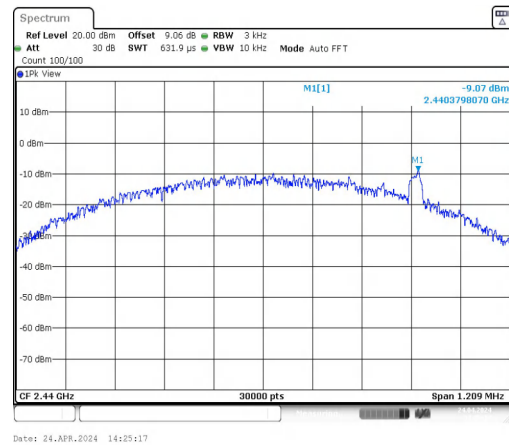
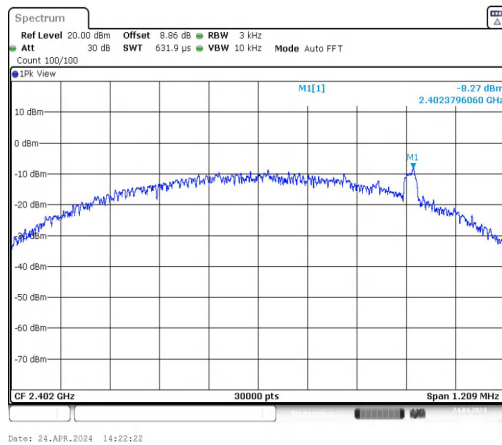
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -8.27            | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -9.07            | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -11.14           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402           | -6.24            | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2440           | -7.13            | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2480           | -9.21            | ≤8.00           | PASS    |

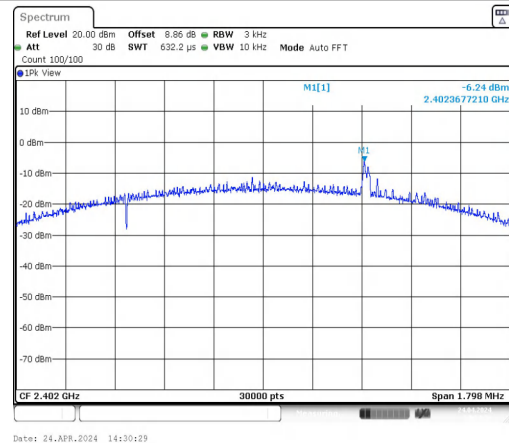
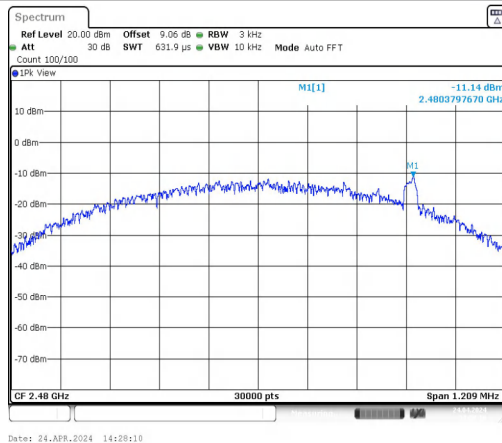


## Test Graphs



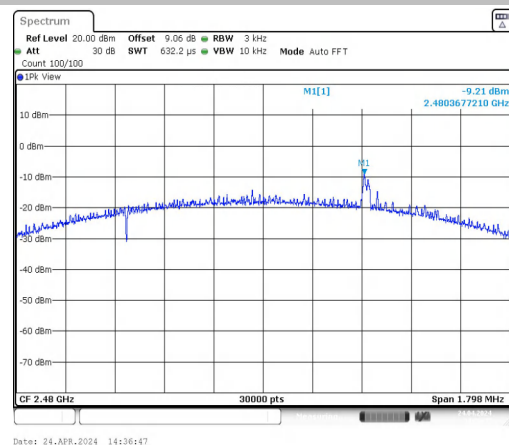
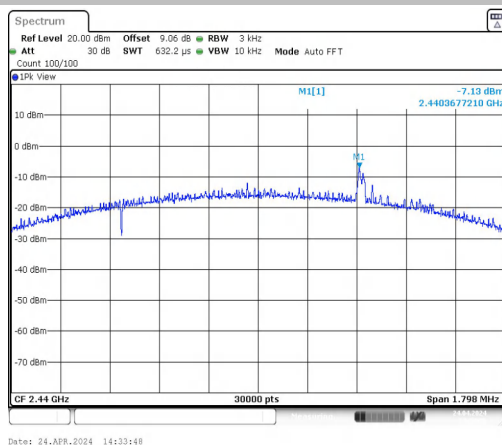
BLE\_1M-Ant1-2402-PASS

BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2440-PASS

BLE\_2M-Ant1-2480-PASS



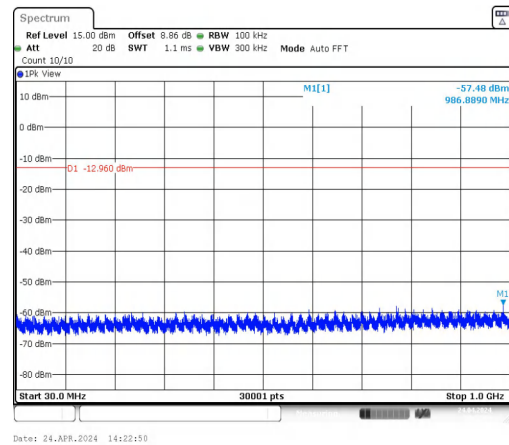
## Appendix E: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency[MHz] | Freq Range [Mhz] | Ref Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|------------------|-----------------|--------------|-------------|---------|
| BLE_1M   | Ant1    | 2402           | 0~Reference      | 7.04            | 7.04         | ---         | PASS    |
| BLE_1M   | Ant1    | 2402           | 30~1000          | 7.04            | -57.48       | ≤-12.96     | PASS    |
| BLE_1M   | Ant1    | 2402           | 1000~26500       | 7.04            | -41.72       | ≤-12.96     | PASS    |
| BLE_1M   | Ant1    | 2440           | 0~Reference      | 6.12            | 6.12         | ---         | PASS    |
| BLE_1M   | Ant1    | 2440           | 30~1000          | 6.12            | -53.19       | ≤-13.88     | PASS    |
| BLE_1M   | Ant1    | 2440           | 1000~26500       | 6.12            | -44.28       | ≤-13.88     | PASS    |
| BLE_1M   | Ant1    | 2480           | 0~Reference      | 4.12            | 4.12         | ---         | PASS    |
| BLE_1M   | Ant1    | 2480           | 30~1000          | 4.12            | -51.08       | ≤-15.88     | PASS    |
| BLE_1M   | Ant1    | 2480           | 1000~26500       | 4.12            | -46.85       | ≤-15.88     | PASS    |
| BLE_2M   | Ant1    | 2402           | 0~Reference      | 7.66            | 7.66         | ---         | PASS    |
| BLE_2M   | Ant1    | 2402           | 30~1000          | 7.66            | -56.69       | ≤-12.34     | PASS    |
| BLE_2M   | Ant1    | 2402           | 1000~26500       | 7.66            | -39.67       | ≤-12.34     | PASS    |
| BLE_2M   | Ant1    | 2440           | 0~Reference      | 6.69            | 6.69         | ---         | PASS    |
| BLE_2M   | Ant1    | 2440           | 30~1000          | 6.69            | -50.64       | ≤-13.31     | PASS    |
| BLE_2M   | Ant1    | 2440           | 1000~26500       | 6.69            | -44.43       | ≤-13.31     | PASS    |
| BLE_2M   | Ant1    | 2480           | 0~Reference      | 4.63            | 4.63         | ---         | PASS    |
| BLE_2M   | Ant1    | 2480           | 30~1000          | 4.63            | -57.93       | ≤-15.37     | PASS    |
| BLE_2M   | Ant1    | 2480           | 1000~26500       | 4.63            | -44.95       | ≤-15.37     | PASS    |

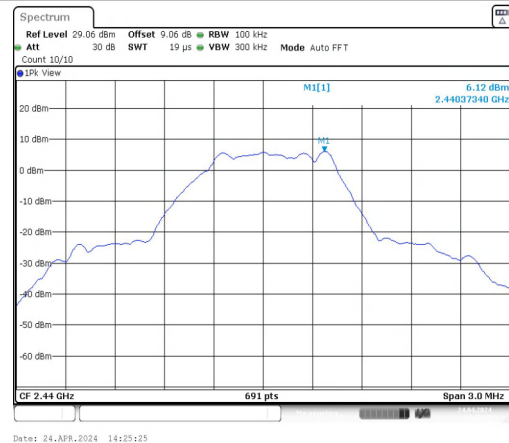
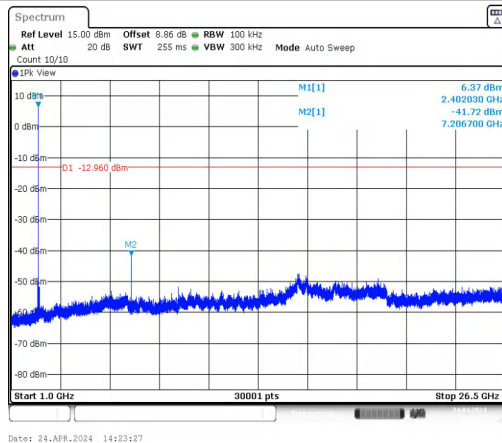


## Test Graphs



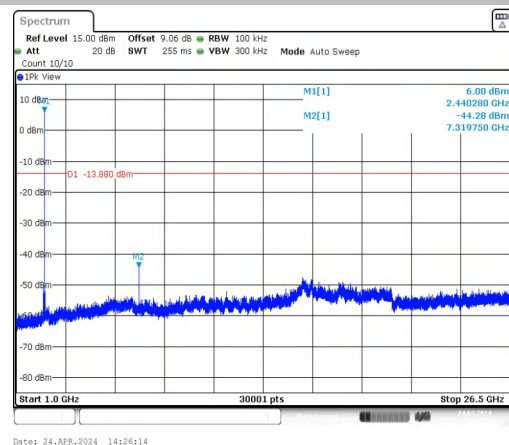
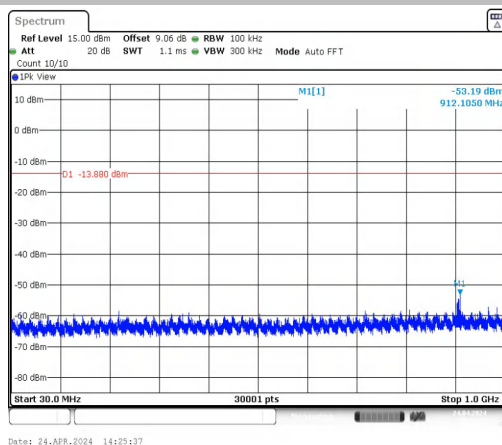
BLE\_1M-Ant1-2402-0~Reference-PASS

BLE\_1M-Ant1-2402-30~1000-PASS



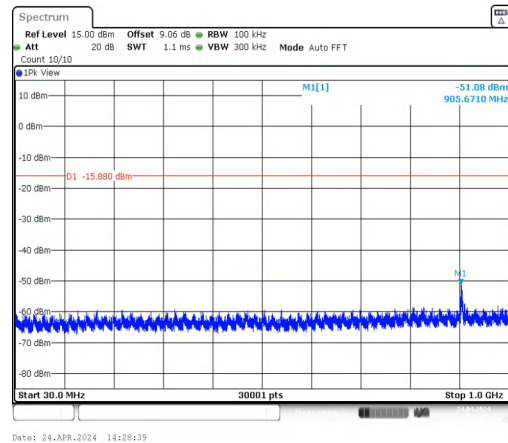
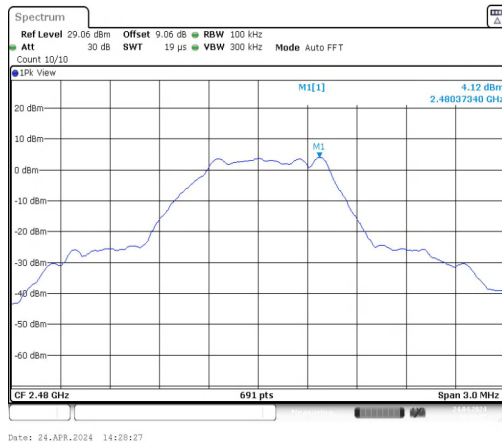
BLE\_1M-Ant1-2402-1000~26500-PASS

BLE\_1M-Ant1-2440-0~Reference-PASS



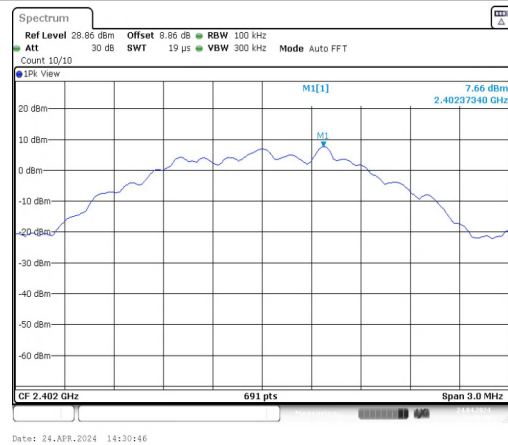
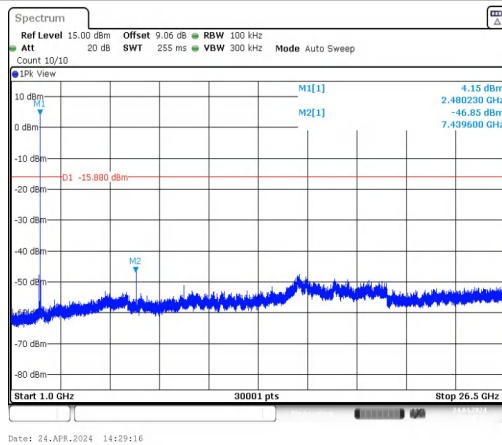
BLE\_1M-Ant1-2440-30~1000-PASS

BLE\_1M-Ant1-2440-1000~26500-PASS



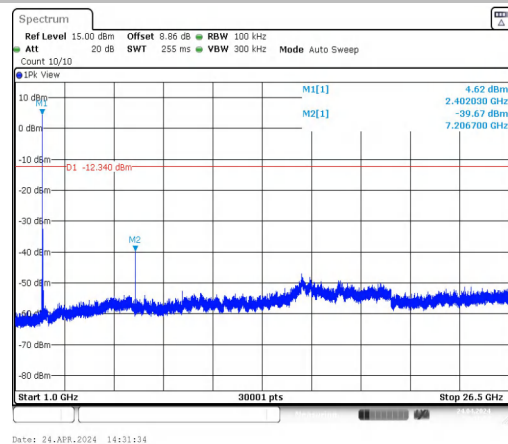
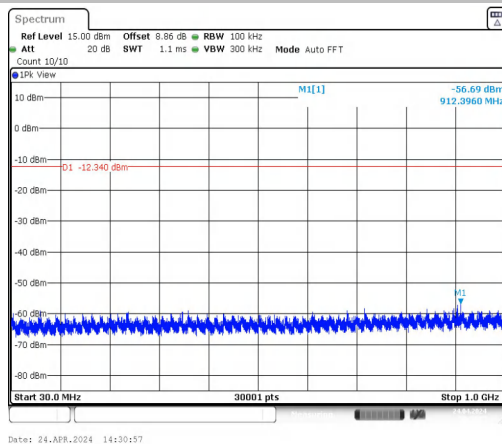
BLE\_1M-Ant1-2480-0~Reference-PASS

BLE\_1M-Ant1-2480-30~1000-PASS



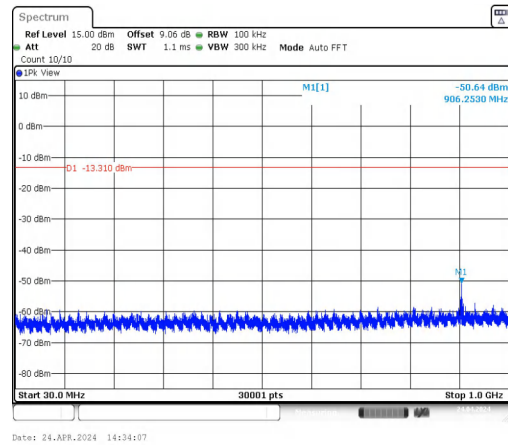
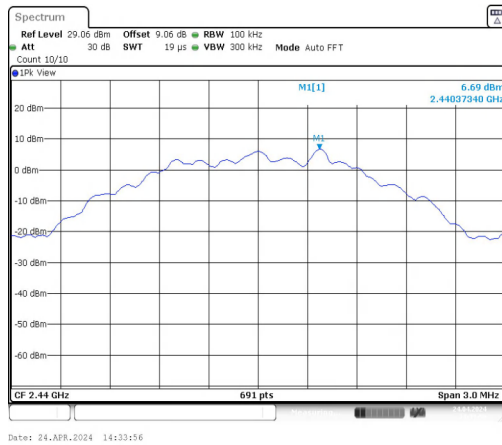
BLE\_1M-Ant1-2480-1000~26500-PASS

BLE\_2M-Ant1-2402-0~Reference-PASS



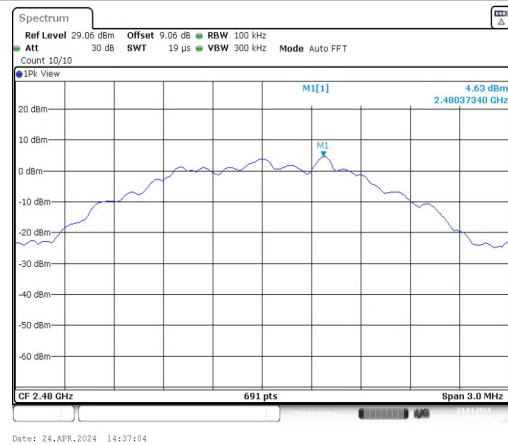
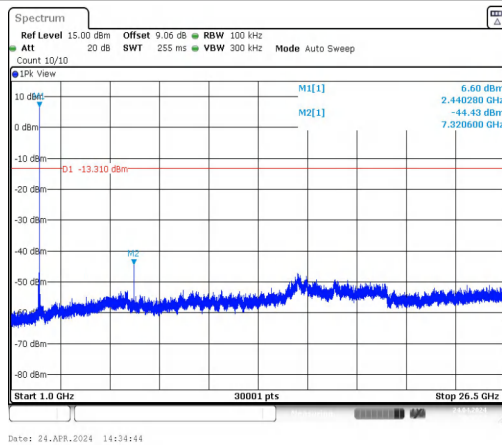
BLE\_2M-Ant1-2402-30~1000-PASS

BLE\_2M-Ant1-2402-1000~26500-PASS



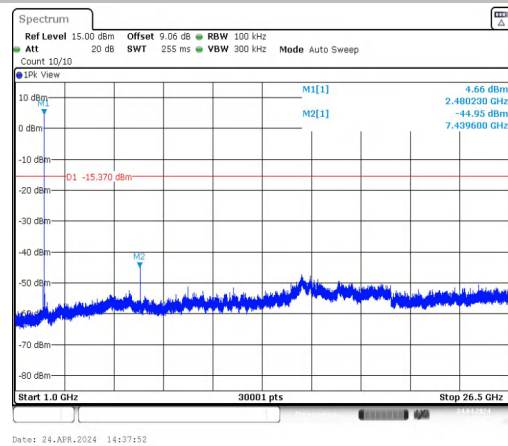
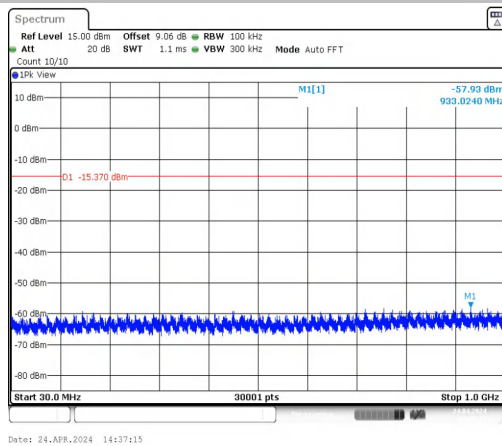
BLE\_2M-Ant1-2440-0~Reference-PASS

BLE\_2M-Ant1-2440-30~1000-PASS



BLE\_2M-Ant1-2440-1000~26500-PASS

BLE\_2M-Ant1-2480-0~Reference-PASS



BLE\_2M-Ant1-2480-30~1000-PASS

BLE\_2M-Ant1-2480-1000~26500-PASS



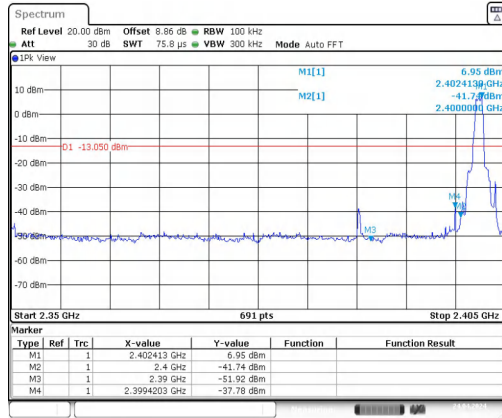
## Appendix F: Band edge measurements

### Test Result

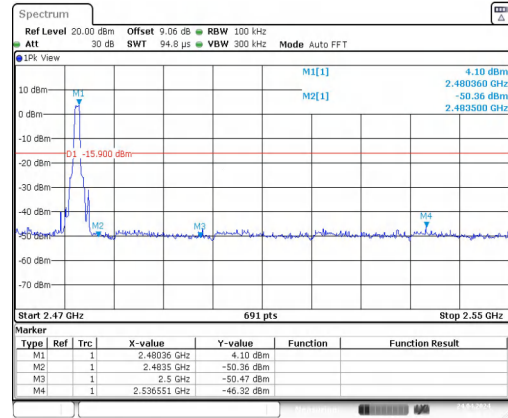
| TestMode | Antenna | ChName | Frequency[MHz] | Ref Level[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|----------|---------|--------|----------------|----------------|-------------|---------------|---------|
| BLE_1M   | Ant1    | Low    | 2402           | 6.95           | -37.78      | $\leq -13.05$ | PASS    |
| BLE_1M   | Ant1    | High   | 2480           | 4.10           | -46.32      | $\leq -15.9$  | PASS    |
| BLE_2M   | Ant1    | Low    | 2402           | 7.57           | -27.79      | $\leq -12.43$ | PASS    |
| BLE_2M   | Ant1    | High   | 2480           | 4.62           | -45.58      | $\leq -15.38$ | PASS    |



## Test Graphs



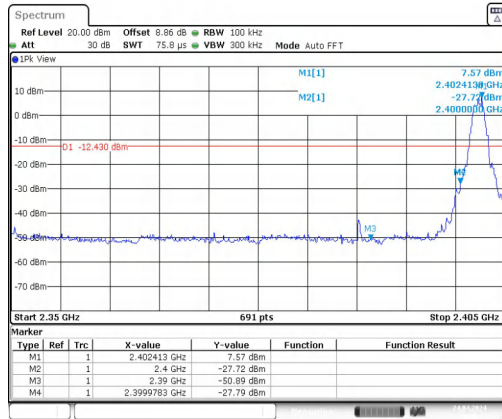
Date: 24.APR.2024 14:22:30



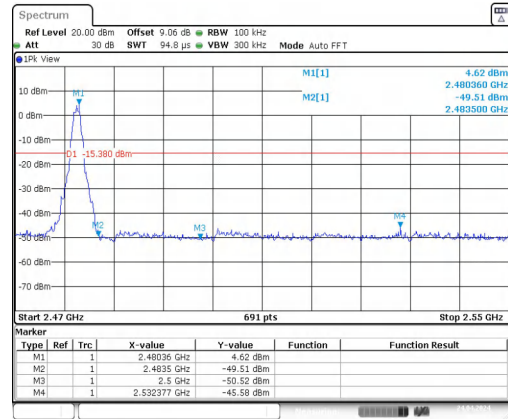
Date: 24.APR.2024 14:28:19

BLE\_1M-Ant1-2402-PASS

BLE\_1M-Ant1-2480-PASS



Date: 24.APR.2024 14:30:38



Date: 24.APR.2024 14:36:55

BLE\_2M-Ant1-2402-PASS

BLE\_2M-Ant1-2480-PASS



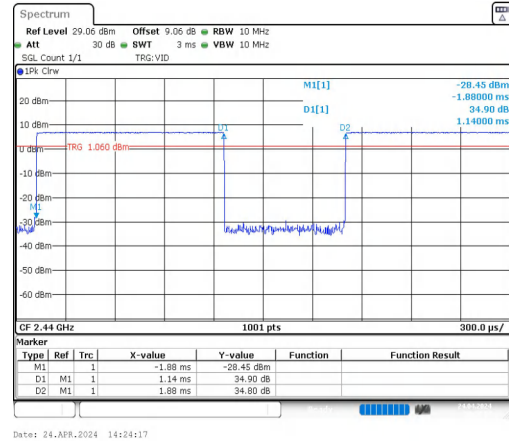
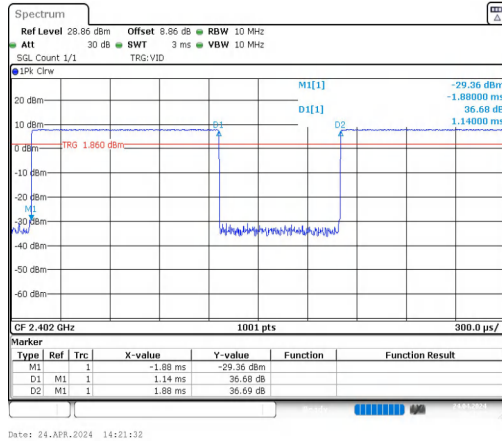
## Appendix G: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | Transmission<br>Duration [ms] | Transmission<br>Period [ms] | Duty Cycle<br>[%] |
|----------|---------|----------------|-------------------------------|-----------------------------|-------------------|
| BLE_1M   | Ant1    | 2402           | 1.14                          | 1.88                        | 60.64             |
| BLE_1M   | Ant1    | 2440           | 1.14                          | 1.88                        | 60.64             |
| BLE_1M   | Ant1    | 2480           | 1.14                          | 1.88                        | 60.64             |
| BLE_2M   | Ant1    | 2402           | 0.59                          | 1.25                        | 47.20             |
| BLE_2M   | Ant1    | 2440           | 0.59                          | 1.25                        | 47.20             |
| BLE_2M   | Ant1    | 2480           | 0.59                          | 1.25                        | 47.20             |

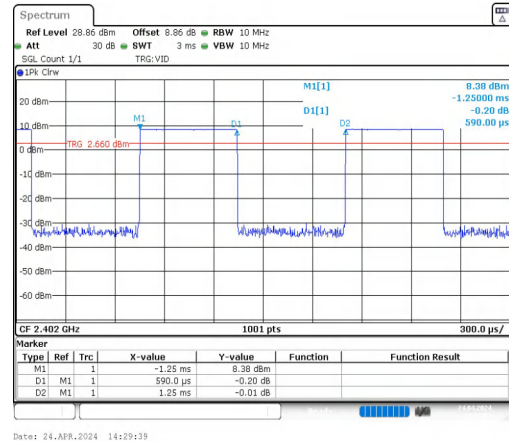
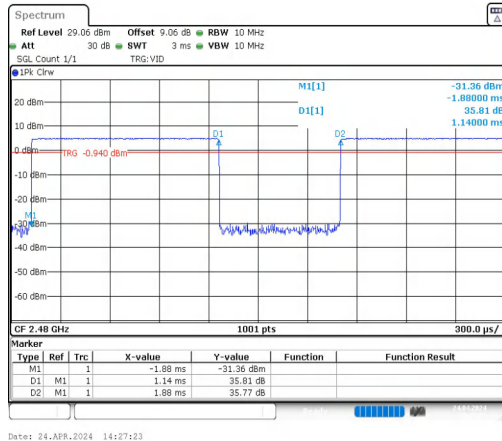


## Test Graphs



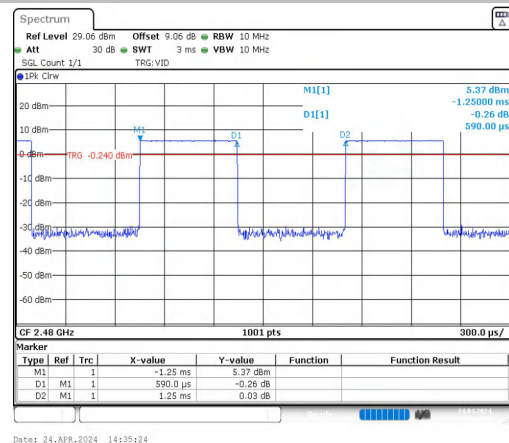
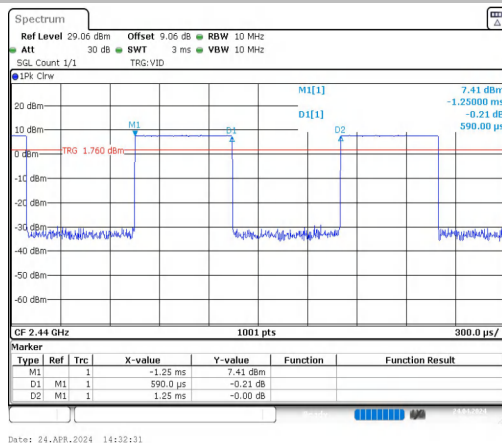
NTNV-BLE\_1M-Ant1-2402

NTNV-BLE\_1M-Ant1-2440



NTNV-BLE\_1M-Ant1-2480

NTNV-BLE\_2M-Ant1-2402



NTNV-BLE\_2M-Ant1-2440

NTNV-BLE\_2M-Ant1-2480

-----END-----