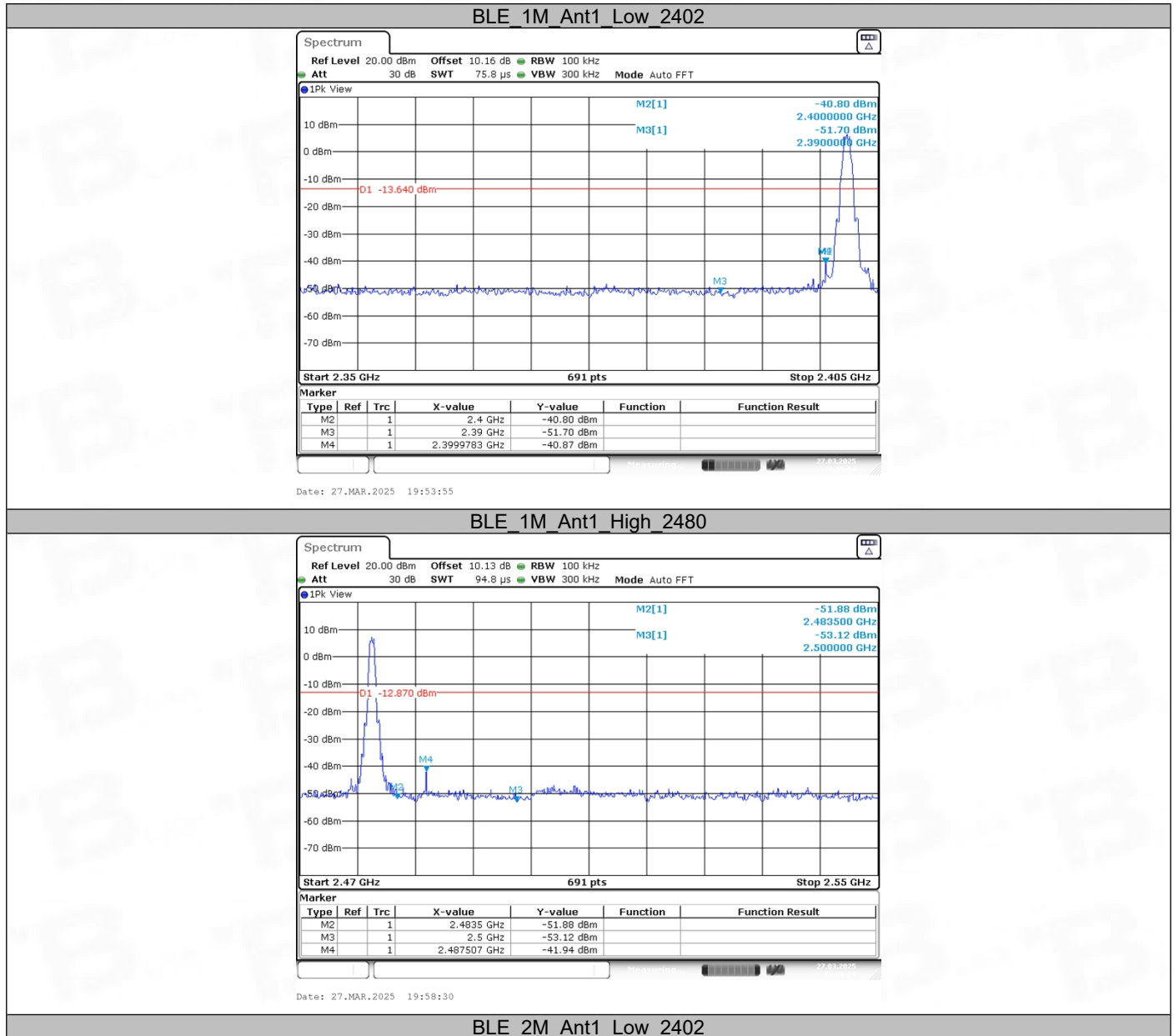


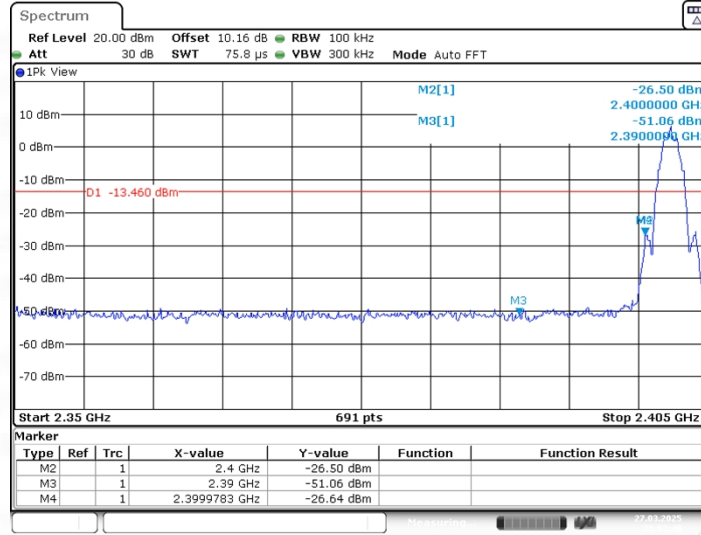
## 1.6 Appendix F: Band edge measurements

### 1.6.1 Test Result

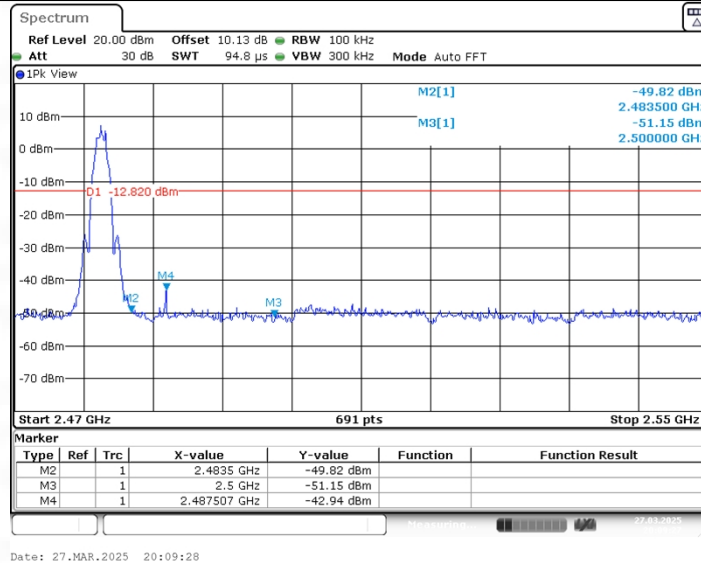
| TestMode | Antenna | ChName | Freq(MHz) | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|-----------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402      | 6.36          | -40.87      | ≤-13.64    | PASS    |
|          |         | High   | 2480      | 7.13          | -41.94      | ≤-12.87    | PASS    |
| BLE_2M   | Ant1    | Low    | 2402      | 6.54          | -26.64      | ≤-13.46    | PASS    |
|          |         | High   | 2480      | 7.18          | -42.94      | ≤-12.82    | PASS    |

## 1.6.2 Test Graphs





### BLE 2M Ant1 High 2480

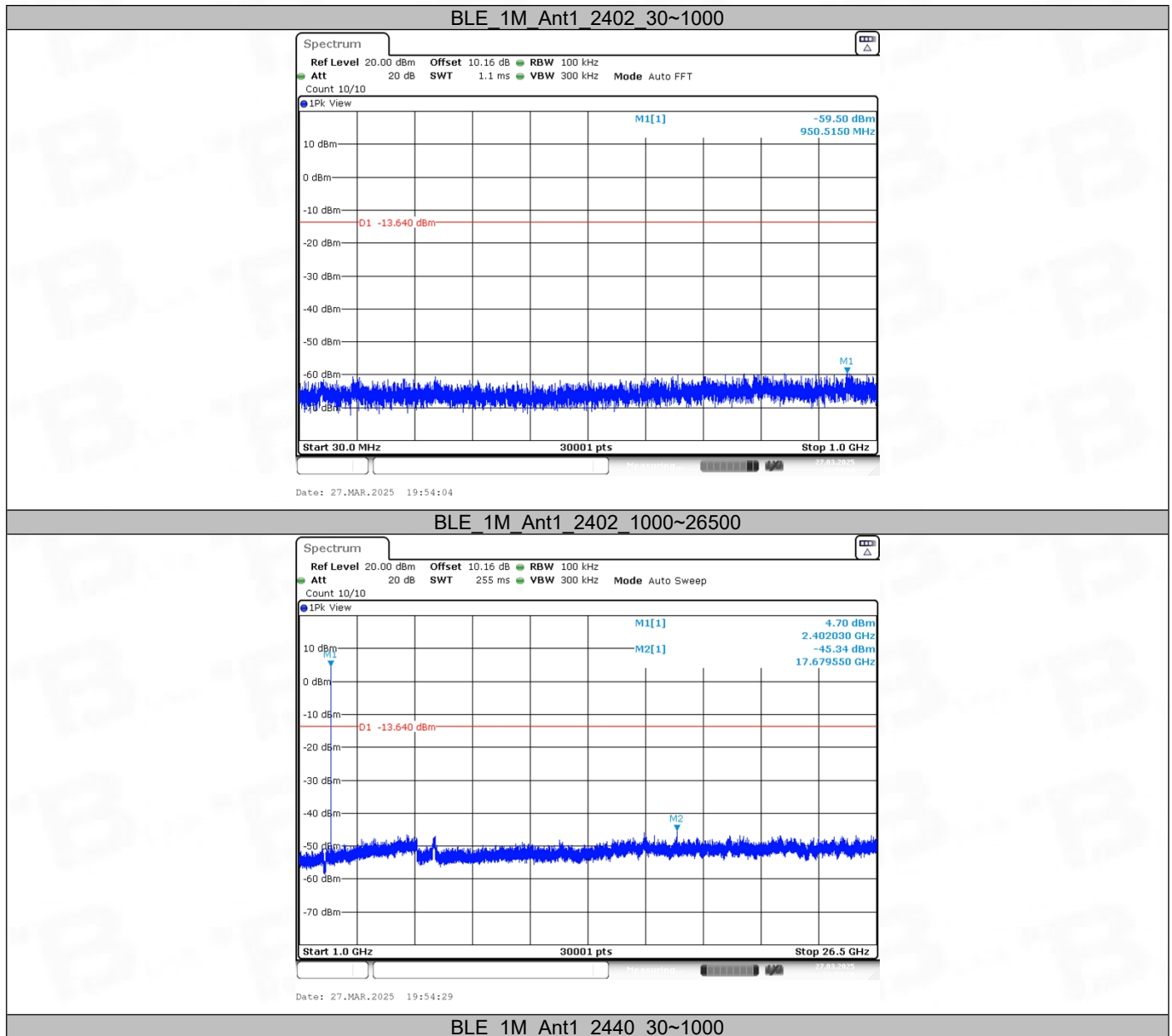


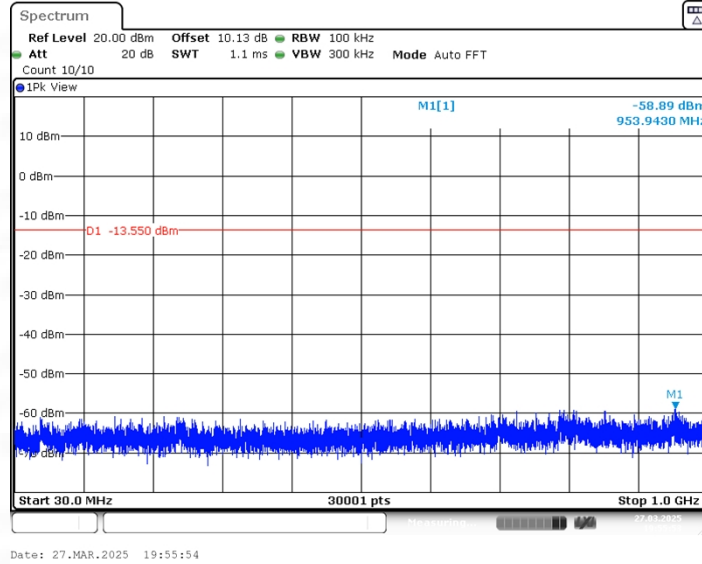
## 1.7 Appendix G: Conducted Spurious Emission

### 1.7.1 Test Result

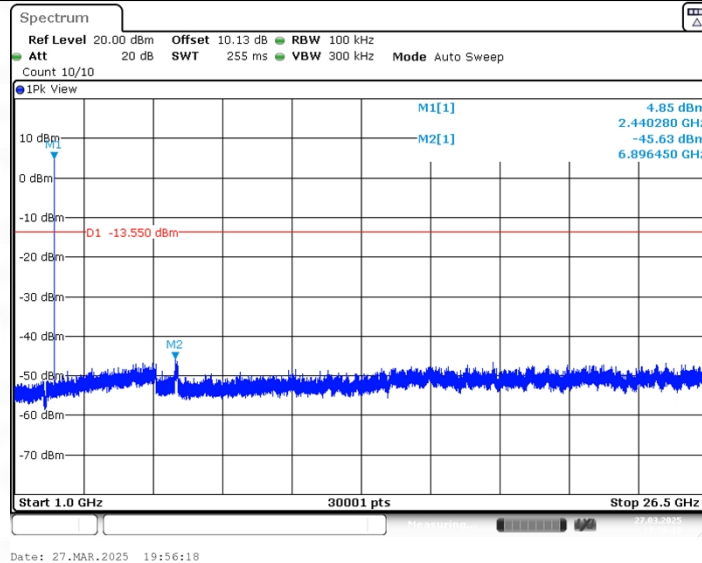
| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|-----------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402      | 30~1000         | 6.36           | -59.5       | ≤-13.64    | PASS    |
|          |         |           | 1000~26500      | 6.36           | -45.34      | ≤-13.64    | PASS    |
|          |         | 2440      | 30~1000         | 6.45           | -58.89      | ≤-13.55    | PASS    |
|          |         |           | 1000~26500      | 6.45           | -45.63      | ≤-13.55    | PASS    |
|          |         | 2480      | 30~1000         | 7.13           | -59.28      | ≤-12.87    | PASS    |
|          |         |           | 1000~26500      | 7.13           | -46.32      | ≤-12.87    | PASS    |
| BLE_2M   | Ant1    | 2402      | 30~1000         | 6.54           | -58.44      | ≤-13.46    | PASS    |
|          |         |           | 1000~26500      | 6.54           | -46.59      | ≤-13.46    | PASS    |
|          |         | 2440      | 30~1000         | 6.53           | -57.76      | ≤-13.47    | PASS    |
|          |         |           | 1000~26500      | 6.53           | -46.31      | ≤-13.47    | PASS    |
|          |         | 2480      | 30~1000         | 7.18           | -59.35      | ≤-12.82    | PASS    |
|          |         |           | 1000~26500      | 7.18           | -45.64      | ≤-12.82    | PASS    |

## 1.7.2 Test Graphs

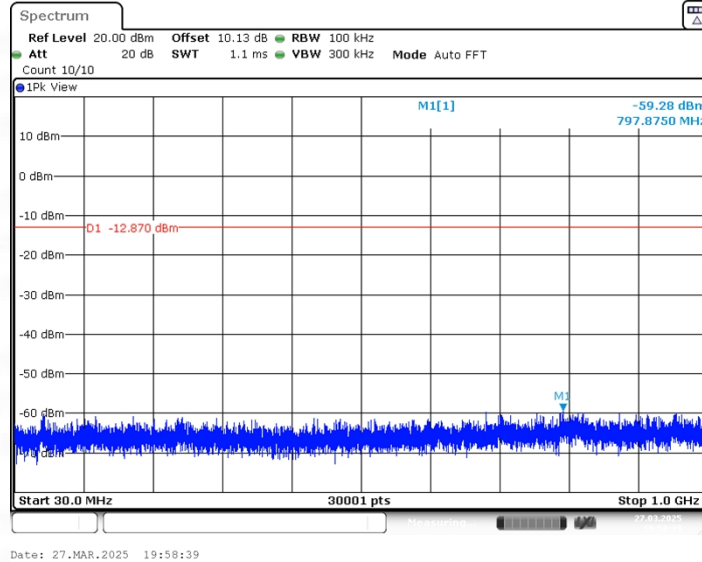




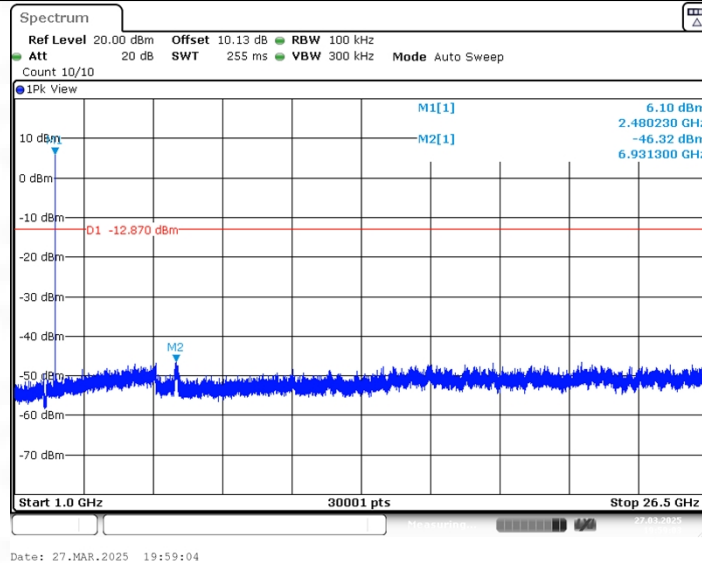
### BLE\_1M\_Ant1\_2440\_1000~26500



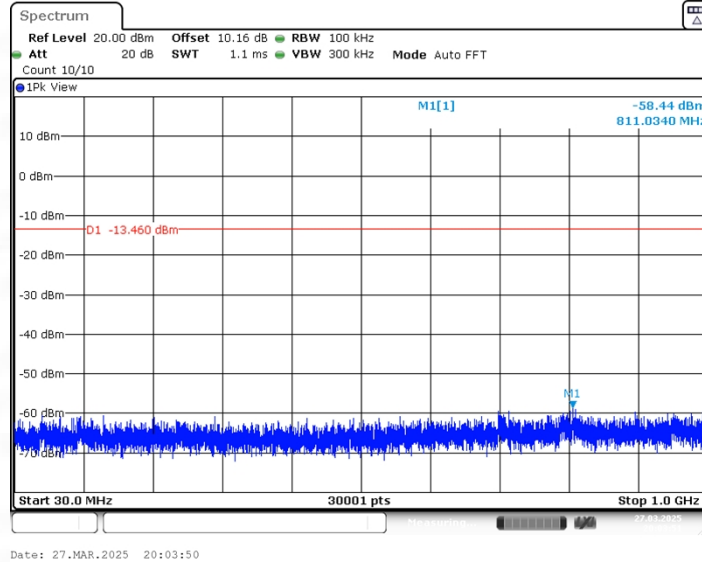
### BLE\_1M\_Ant1\_2480\_30~1000



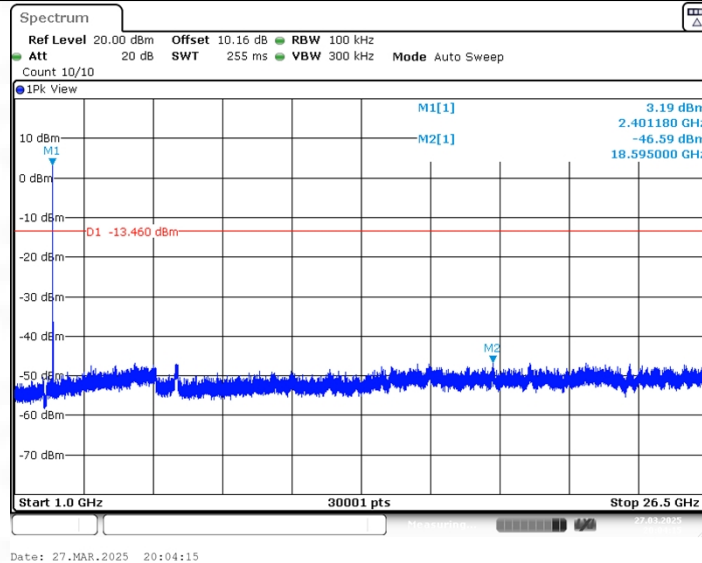
### BLE 1M\_Ant1\_2480\_1000~26500



### BLE 2M\_Ant1\_2402\_30~1000

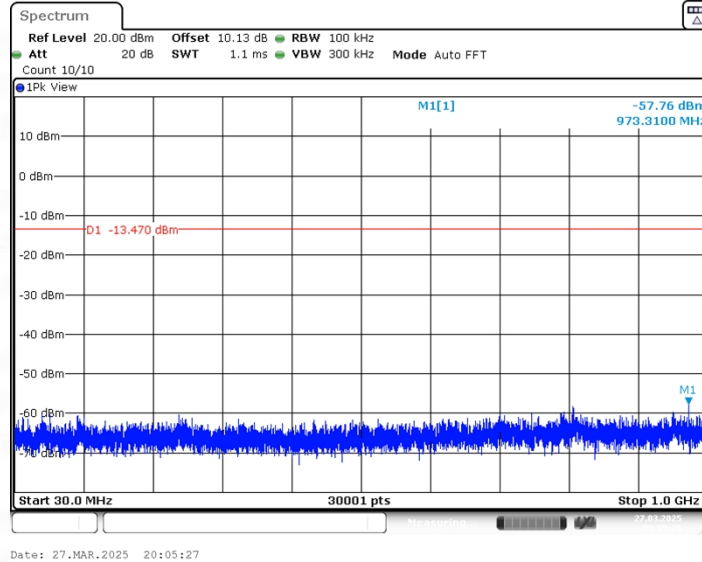


### BLE 2M Ant1 2402 1000~26500

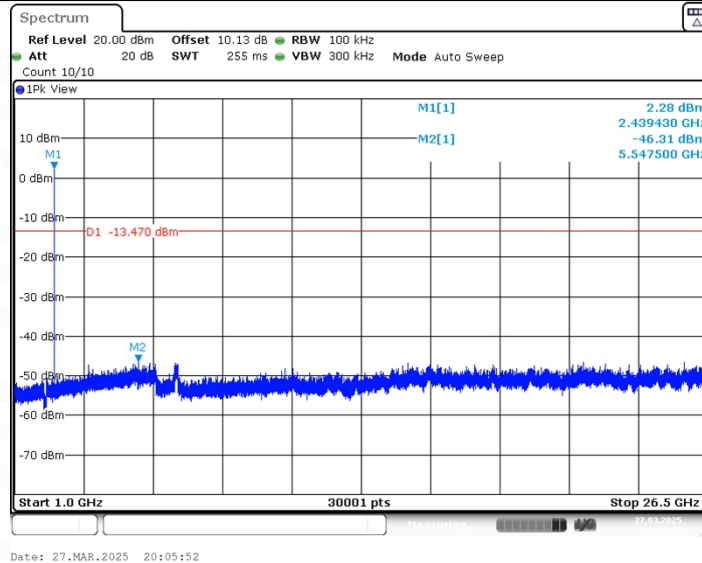


### BLE 2M Ant1\_2440\_30~1000

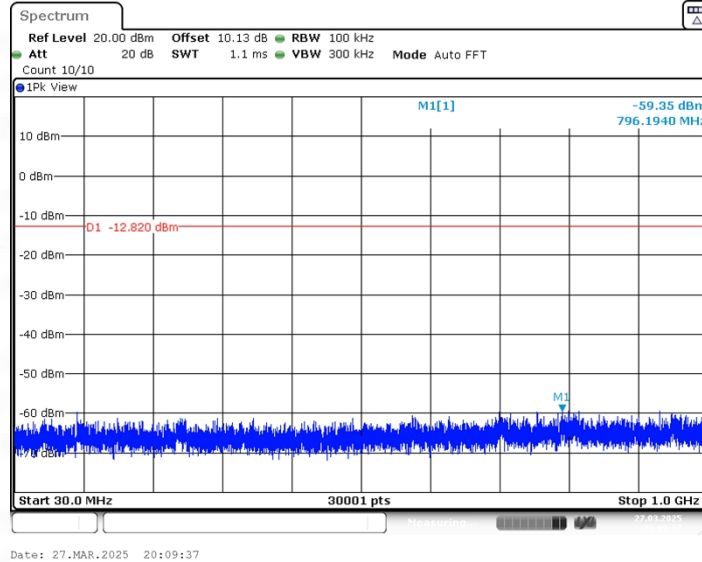




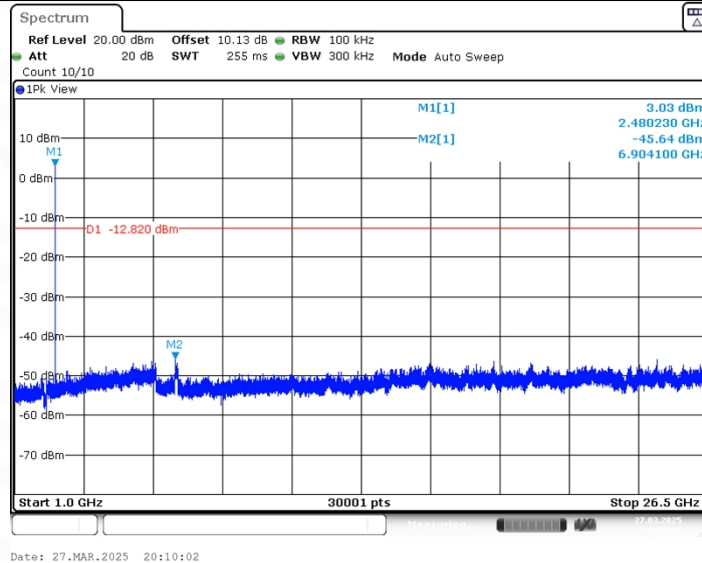
### BLE 2M Ant1 2440 1000~26500



### BLE 2M Ant1\_2480\_30~1000



### BLE 2M Ant1 2480 1000~26500

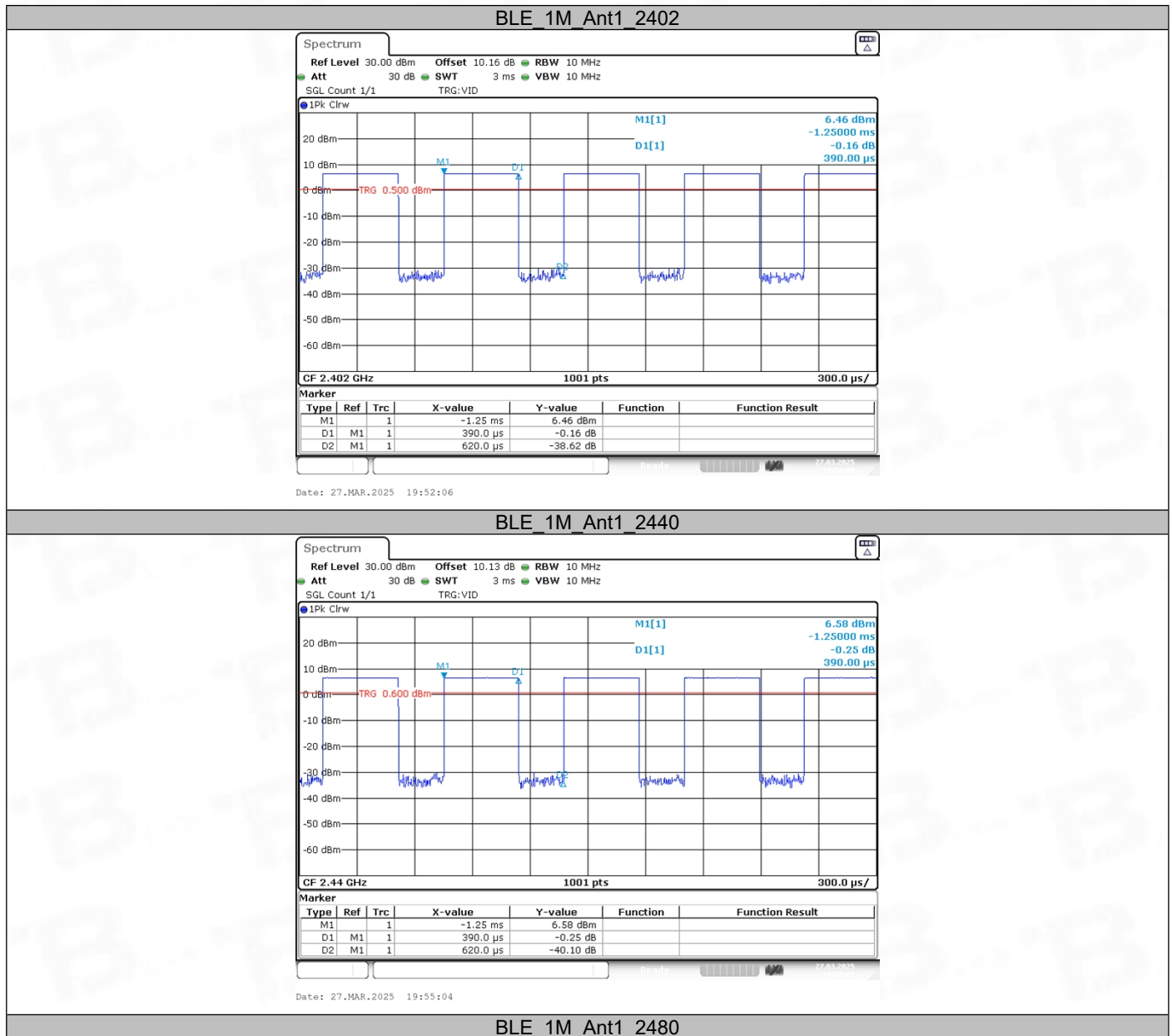


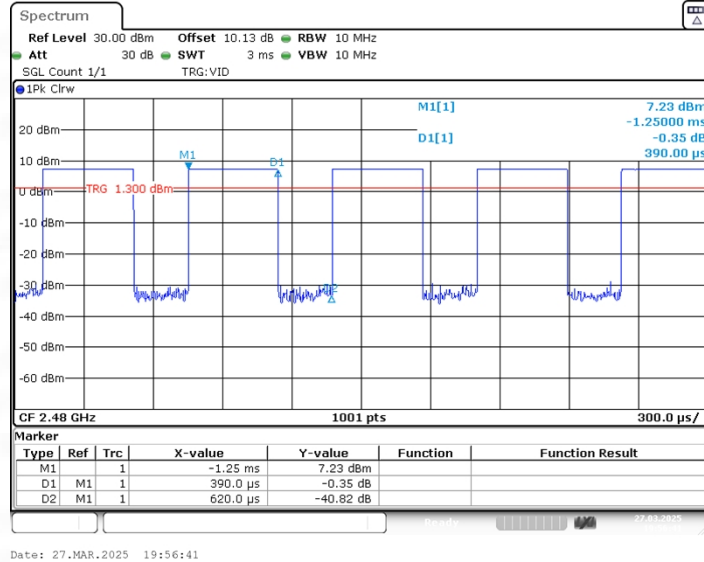
## 1.8 Appendix H: Duty Cycle

### 1.8.1 Test Result

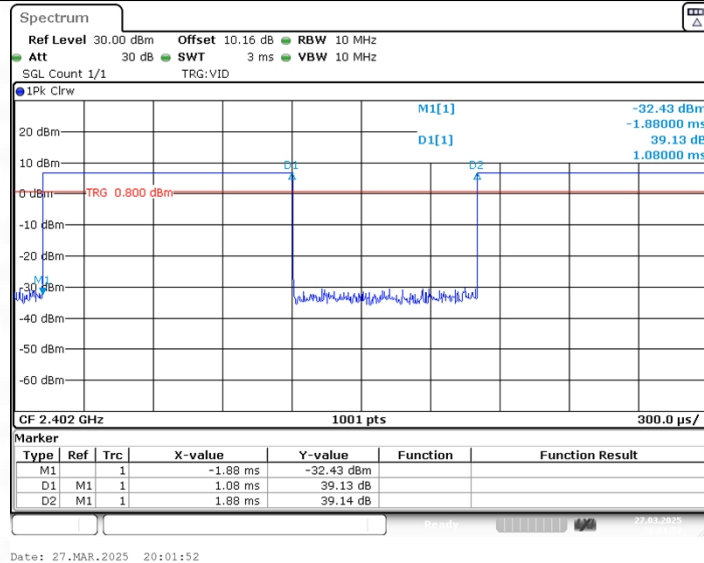
| TestMode | Antenna | Freq(MHz) | ON Time<br>[ms] | Period<br>[ms] | X      | DC [%] | xFactor | Limit | Verdict |
|----------|---------|-----------|-----------------|----------------|--------|--------|---------|-------|---------|
| BLE_1M   | Ant1    | 2402      | 0.39            | 0.62           | 0.6290 | 62.90  | 2.01    | ---   | ---     |
|          |         | 2440      | 0.39            | 0.62           | 0.6290 | 62.90  | 2.01    | ---   | ---     |
|          |         | 2480      | 0.39            | 0.62           | 0.6290 | 62.90  | 2.01    | ---   | ---     |
| BLE_2M   | Ant1    | 2402      | 1.08            | 1.88           | 0.5745 | 57.45  | 2.41    | ---   | ---     |
|          |         | 2440      | 1.08            | 1.88           | 0.5745 | 57.45  | 2.41    | ---   | ---     |
|          |         | 2480      | 1.08            | 1.88           | 0.5745 | 57.45  | 2.41    | ---   | ---     |

## 1.8.2 Test Graphs

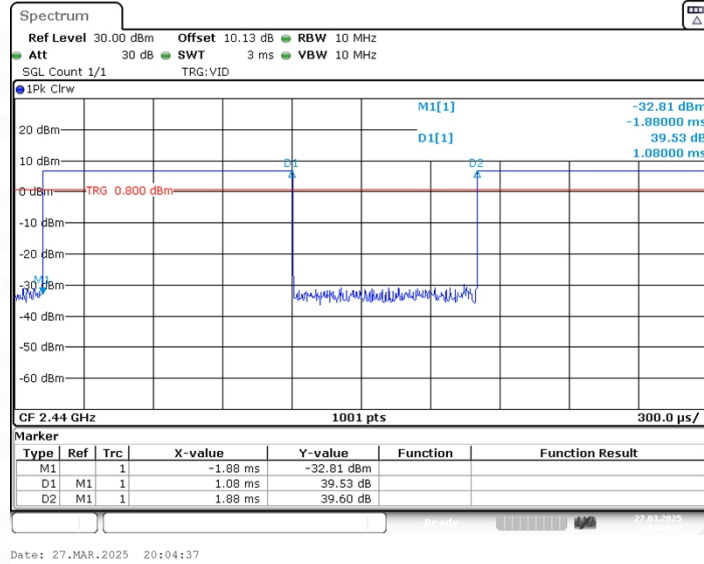




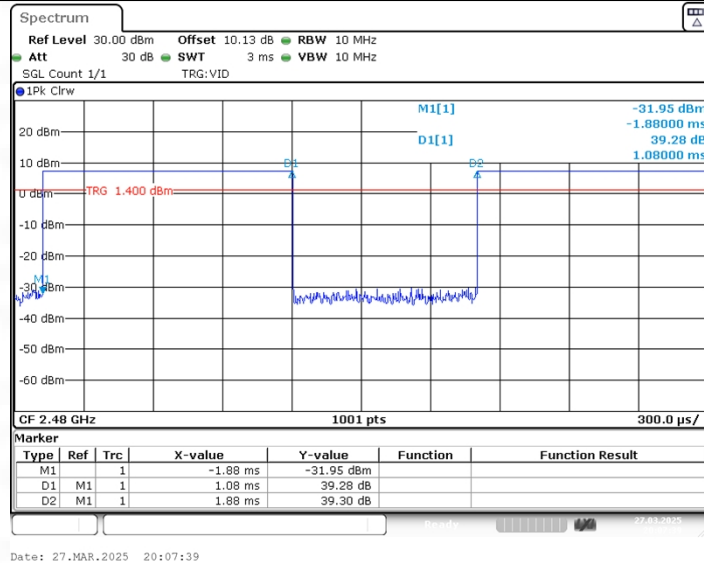
### BLE 2M Ant1\_2402



### BLE 2M Ant1\_2440



### BLE 2M Ant1 2480



## 1.9 Appendix I: Emissions in Restricted Bands

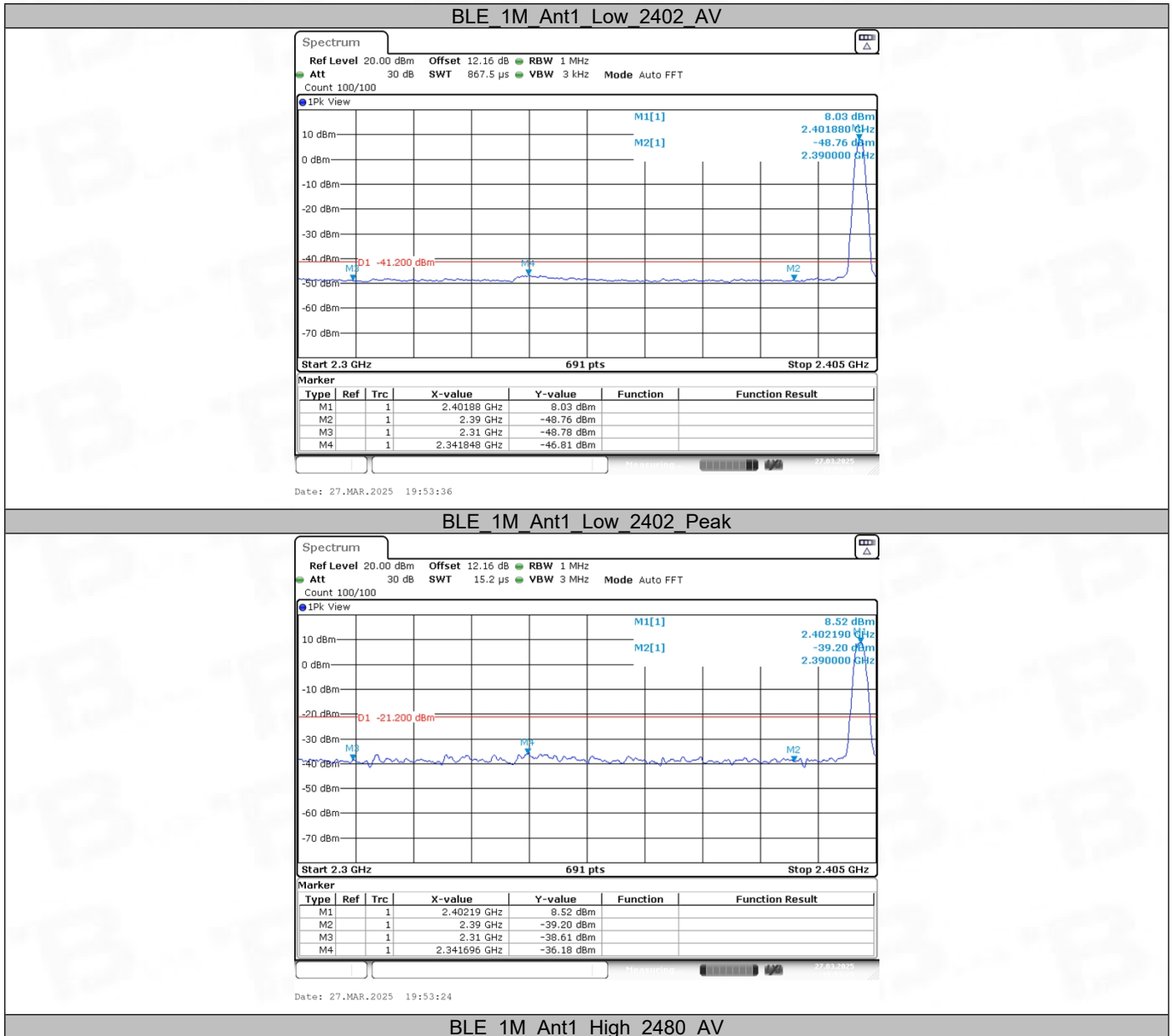
### 1.9.1 Test Result

| TestMode | Antenna | ChName | Freq(MHz) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] |
|----------|---------|--------|-----------|----------|------------|--------------|-------------|-----------------|----------------|
| BLE_1M   | Ant1    | Low    | 2402      | AV       | 2310.000   | -48.78       | ≤-41.20     | 46.42           | ≤54            |
|          |         |        |           | AV       | 2341.848   | -46.81       | ≤-41.20     | 48.39           | ≤54            |
|          |         |        |           | AV       | 2390.000   | -48.76       | ≤-41.20     | 46.44           | ≤54            |
|          |         |        |           | Peak     | 2310.000   | -38.61       | ≤-21.20     | 56.59           | ≤74            |
|          |         |        |           | Peak     | 2341.696   | -36.18       | ≤-21.20     | 59.02           | ≤74            |
|          |         |        |           | Peak     | 2390.000   | -39.2        | ≤-21.20     | 56.00           | ≤74            |
|          |         | High   | 2480      | AV       | 2483.500   | -47.38       | ≤-41.20     | 47.82           | ≤54            |
|          |         |        |           | AV       | 2483.681   | -47.3        | ≤-41.20     | 47.90           | ≤54            |
|          |         |        |           | AV       | 2500.000   | -48.43       | ≤-41.20     | 46.77           | ≤54            |
|          |         |        |           | Peak     | 2483.500   | -39.57       | ≤-21.20     | 55.63           | ≤74            |
|          |         |        |           | Peak     | 2493.536   | -36.69       | ≤-21.20     | 58.51           | ≤74            |
|          |         |        |           | Peak     | 2500.000   | -37.4        | ≤-21.20     | 57.80           | ≤74            |
| BLE_2M   | Ant1    | Low    | 2402      | AV       | 2310.000   | -49.57       | ≤-41.20     | 45.63           | ≤54            |
|          |         |        |           | AV       | 2342.000   | -47.02       | ≤-41.20     | 48.18           | ≤54            |
|          |         |        |           | AV       | 2390.000   | -49.78       | ≤-41.20     | 45.42           | ≤54            |
|          |         |        |           | Peak     | 2310.000   | -39.12       | ≤-21.20     | 56.08           | ≤74            |
|          |         |        |           | Peak     | 2340.935   | -36.12       | ≤-21.20     | 59.08           | ≤74            |
|          |         |        |           | Peak     | 2390.000   | -39.06       | ≤-21.20     | 56.14           | ≤74            |
|          |         | High   | 2480      | AV       | 2483.500   | -46.1        | ≤-41.20     | 49.10           | ≤54            |
|          |         |        |           | AV       | 2483.565   | -46.72       | ≤-41.20     | 48.48           | ≤54            |
|          |         |        |           | AV       | 2500.000   | -49.09       | ≤-41.20     | 46.11           | ≤54            |
|          |         |        |           | Peak     | 2483.500   | -37.52       | ≤-21.20     | 57.68           | ≤74            |
|          |         |        |           | Peak     | 2487.159   | -35.91       | ≤-21.20     | 59.29           | ≤74            |
|          |         |        |           | Peak     | 2500.000   | -38.43       | ≤-21.20     | 56.77           | ≤74            |

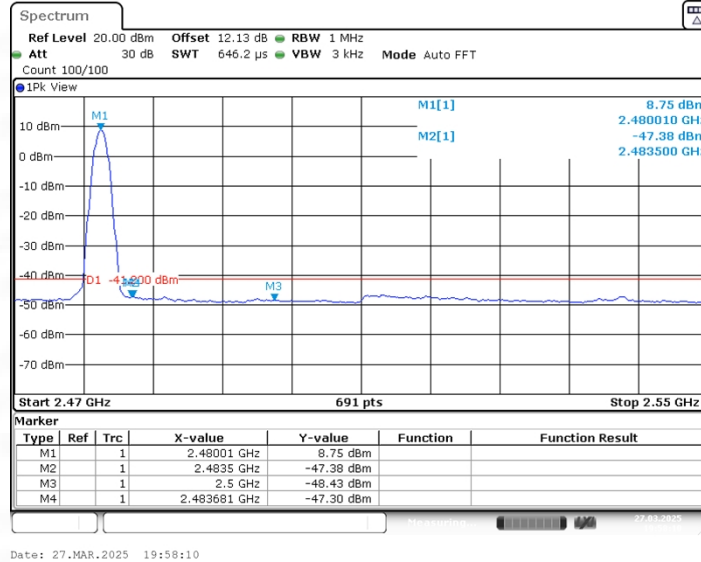
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

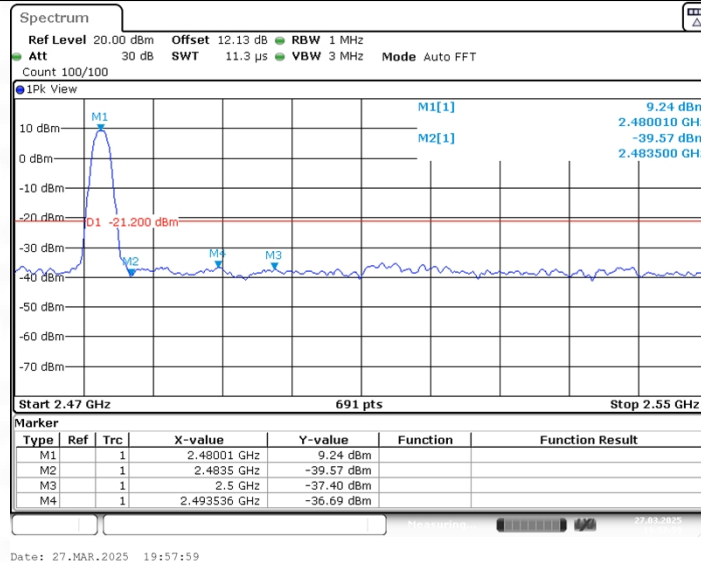
## 1.9.2 Test Graphs



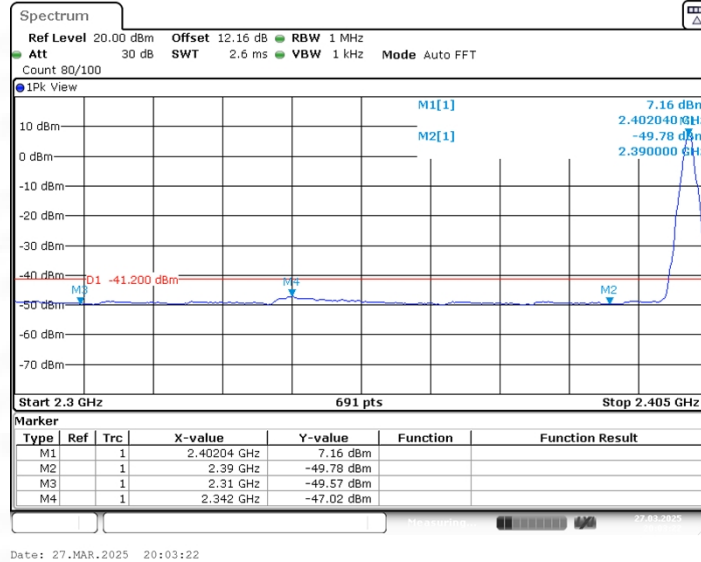




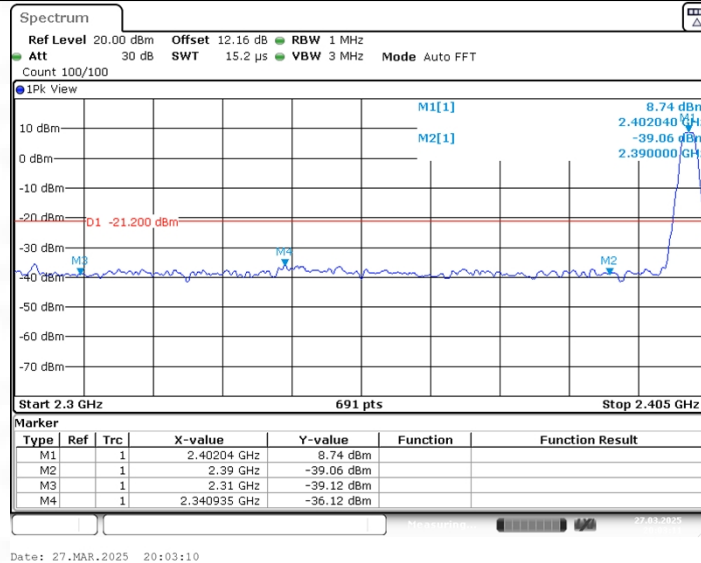
### BLE 1M Ant1 High 2480 Peak



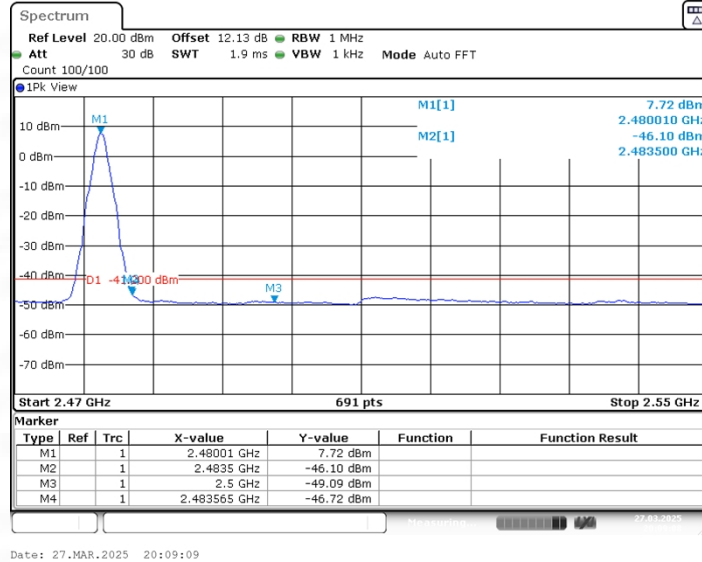
### BLE 2M Ant1 Low 2402\_AV



### BLE 2M Ant1 Low 2402 Peak



### BLE 2M Ant1\_High\_2480\_AV



### BLE 2M Ant1 High 2480 Peak

