

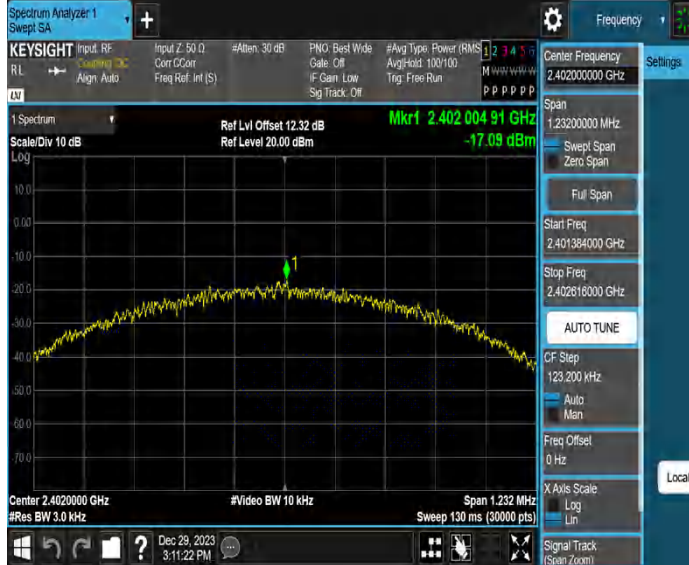
## Appendix A: Test Results of Bluetooth Low Energy

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### Appendix A.1: Test Results of Conducted Power Spectral Density

| TestMode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|----------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402    | -17.09               | ≤8.00           | PASS    |
|          |         | 2440    | -14.44               | ≤8.00           | PASS    |
|          |         | 2480    | -13.46               | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402    | -18.52               | ≤8.00           | PASS    |
|          |         | 2440    | -15.87               | ≤8.00           | PASS    |
|          |         | 2480    | -15.10               | ≤8.00           | PASS    |

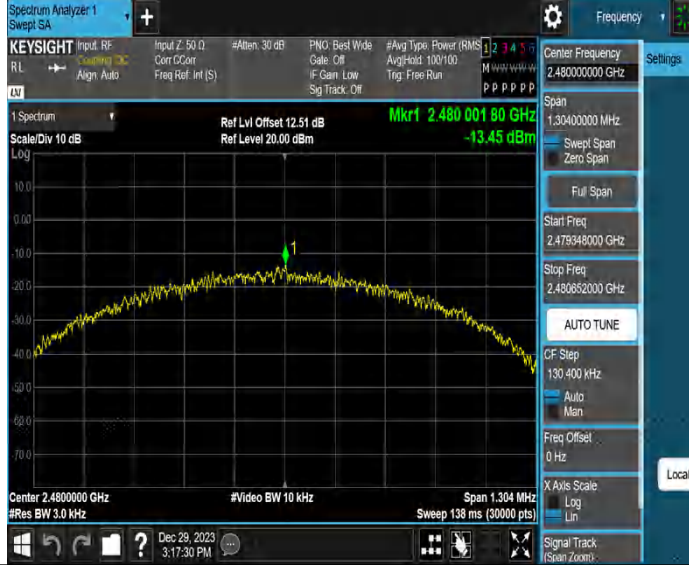
BLE 1M Ant1 2402



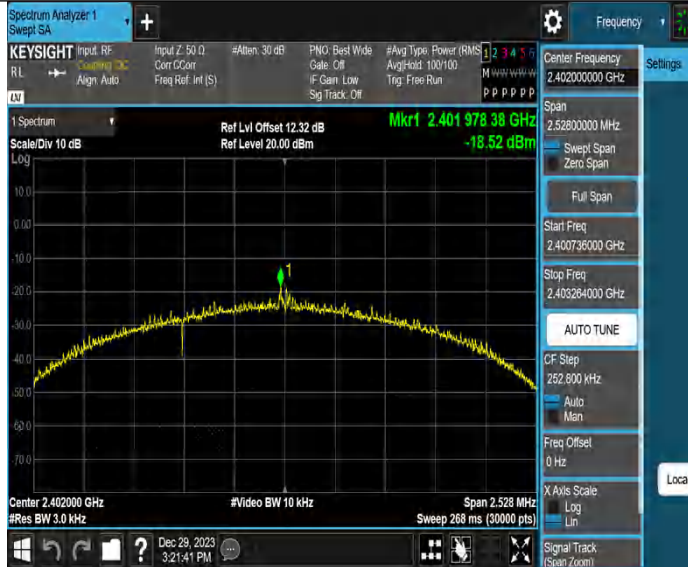
BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



### Appendix A.2: Test Results of 6dB Bandwidth

| TestMode | Antenna | Channel | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402    | 0.616        | 2401.684 | 2402.300 | 0.5        | PASS    |
|          |         | 2440    | 0.644        | 2439.664 | 2440.308 | 0.5        | PASS    |
|          |         | 2480    | 0.652        | 2479.652 | 2480.304 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2402    | 1.264        | 2401.324 | 2402.588 | 0.5        | PASS    |
|          |         | 2440    | 1.200        | 2439.344 | 2440.544 | 0.5        | PASS    |
|          |         | 2480    | 1.136        | 2479.412 | 2480.548 | 0.5        | PASS    |

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 A.3: Test Results of 99% Bandwidth

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402    | 1.0354    | 2401.4697 | 2402.5051 | ---        | PASS    |
|          |         | 2440    | 1.0304    | 2439.4736 | 2440.5040 | ---        | PASS    |
|          |         | 2480    | 1.0248    | 2479.4745 | 2480.4993 | ---        | PASS    |
| BLE_2M   | Ant1    | 2402    | 2.0411    | 2400.9765 | 2403.0176 | ---        | PASS    |
|          |         | 2440    | 2.0417    | 2438.9804 | 2441.0221 | ---        | PASS    |
|          |         | 2480    | 2.0542    | 2478.9675 | 2481.0217 | ---        | PASS    |



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 A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|---------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402    | -3.318        | -48.04      | ≤-23.32    | PASS    |
|          |         | High   | 2480    | 0.7162        | -51.52      | ≤-19.28    | PASS    |
| BLE_2M   | Ant1    | Low    | 2402    | -1.969        | -49.5       | ≤-21.97    | PASS    |
|          |         | High   | 2480    | -0.09525      | -50.89      | ≤-20.1     | PASS    |

BLE 1M Ant1 Low 2402



BLE 1M Ant1 High 2480



BLE 2M Ant1 Low 2402





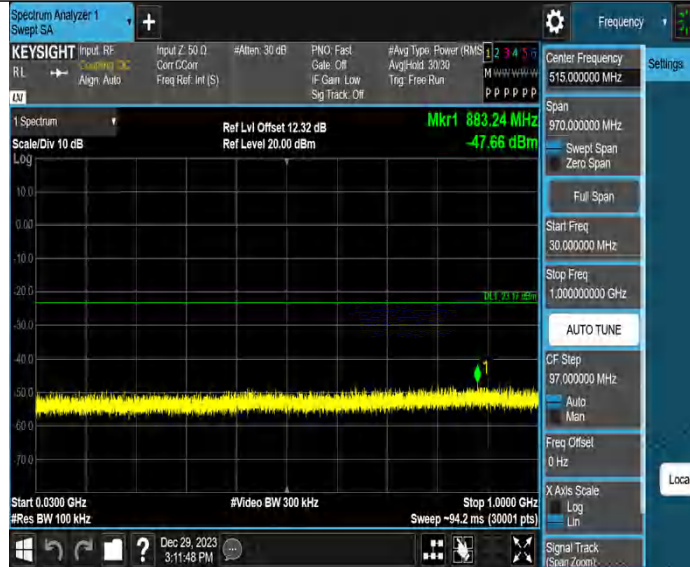
Conducted Spurious Emission

| TestMode | Antenna | Channel | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402    | Reference       | -3.17          | -3.17       | ---        | PASS    |
|          |         |         | 30~1000         | -3.17          | -47.66      | ≤-23.17    | PASS    |
|          |         |         | 1000~26500      | -3.17          | -38.54      | ≤-23.17    | PASS    |
|          |         | 2440    | Reference       | -0.10          | -0.10       | ---        | PASS    |
|          |         |         | 30~1000         | -0.10          | -47.16      | ≤-20.1     | PASS    |
|          |         |         | 1000~26500      | -0.10          | -37.8       | ≤-20.1     | PASS    |
|          |         | 2480    | Reference       | 1.43           | 1.43        | ---        | PASS    |
|          |         |         | 30~1000         | 1.43           | -47.57      | ≤-18.57    | PASS    |
|          |         |         | 1000~26500      | 1.43           | -38.28      | ≤-18.57    | PASS    |
| BLE_2M   | Ant1    | 2402    | Reference       | -2.55          | -2.55       | ---        | PASS    |
|          |         |         | 30~1000         | -2.55          | -47.08      | ≤-22.55    | PASS    |
|          |         |         | 1000~26500      | -2.55          | -38.63      | ≤-22.55    | PASS    |
|          |         | 2440    | Reference       | 1.00           | 1.00        | ---        | PASS    |
|          |         |         | 30~1000         | 1.00           | -47.15      | ≤-19       | PASS    |
|          |         |         | 1000~26500      | 1.00           | -38.07      | ≤-19       | PASS    |
|          |         | 2480    | Reference       | 1.98           | 1.98        | ---        | PASS    |
|          |         |         | 30~1000         | 1.98           | -46.27      | ≤-18.02    | PASS    |
|          |         |         | 1000~26500      | 1.98           | -38.17      | ≤-18.02    | PASS    |

BLE 1M Ant1 2402 0~Reference



BLE 1M Ant1 2402 30~1000



BLE 1M Ant1 2402 1000~26500



BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



BLE\_1M\_Ant1\_2440\_1000~26500

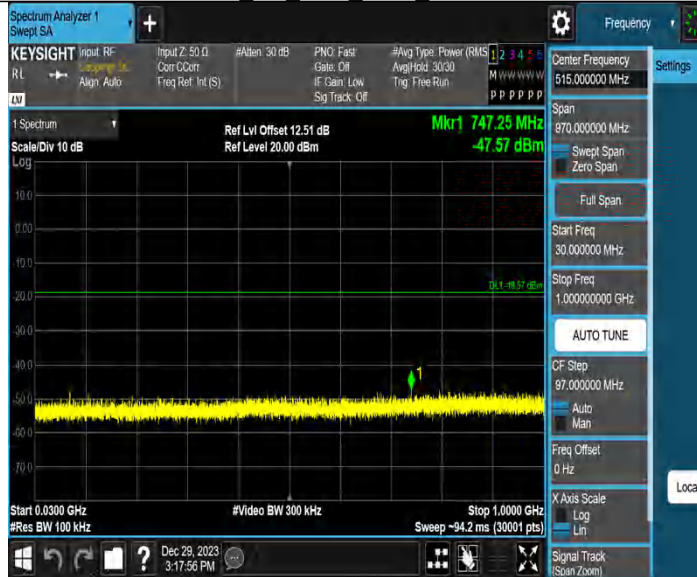




BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500



BLE 2M Ant1 2402 0~Reference



BLE 2M Ant1 2402 30~1000



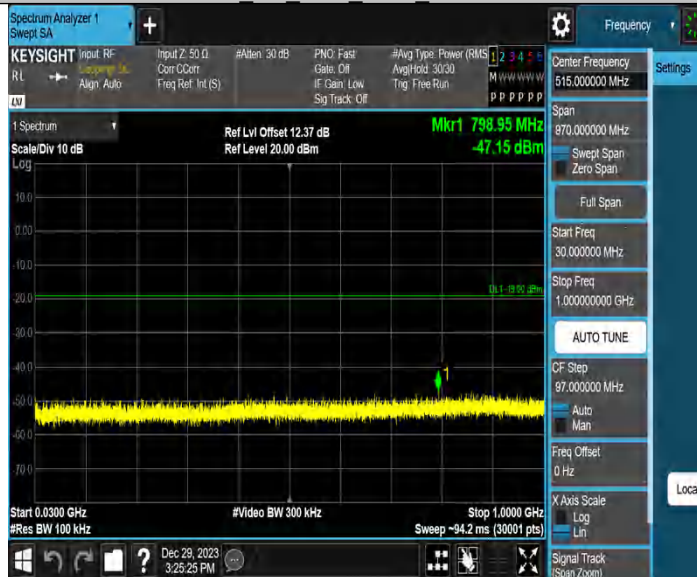
BLE 2M Ant1 2402 1000~26500



BLE 2M Ant1 2440 0~Reference



BLE 2M Ant1 2440 30~1000



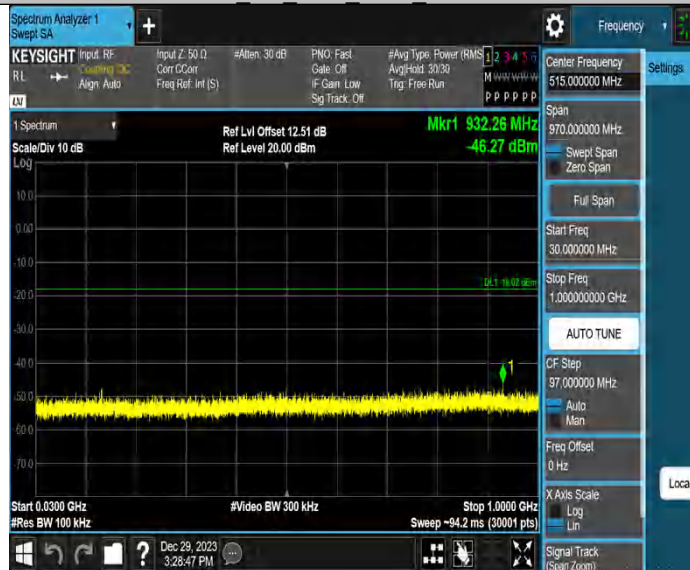
BLE 2M Ant1 2440 1000~26500



BLE 2M Ant1 2480 0~Reference



BLE 2M Ant1 2480 30~1000



BLE 2M Ant1 2480 1000~26500

