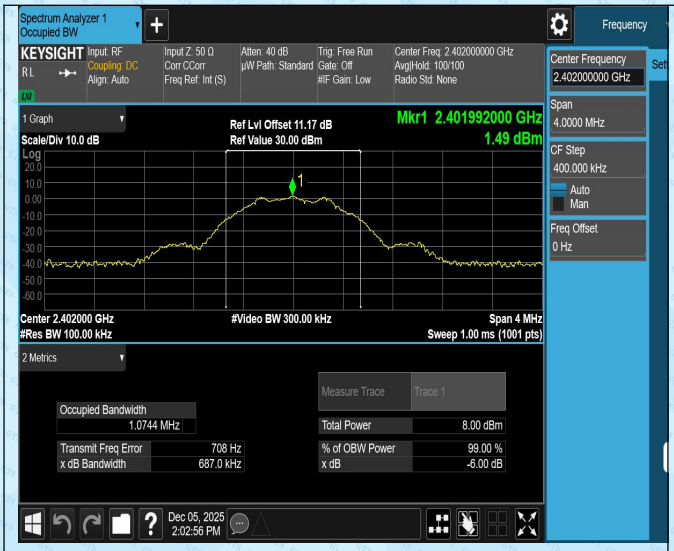
# Appendix A: DTS Bandwidth

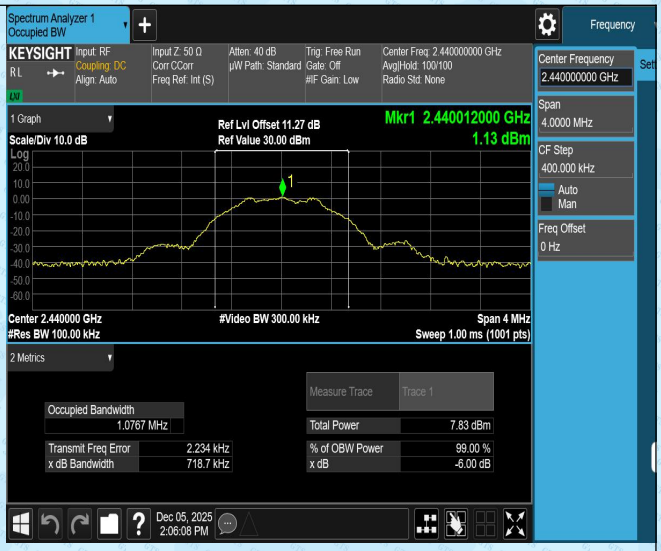
## Test Result

| Test Mode | Antenna | Frequency[MHz] | DTS BW [MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 0.6870 | 0.5 | PASS |
| BLE_1M | Ant1 | 2440 | 0.7187 | 0.5 | PASS |
| BLE_1M | Ant1 | 2480 | 0.7122 | 0.5 | PASS |
| BLE_2M | Ant1 | 2402 | 1.108 | 0.5 | PASS |
| BLE_2M | Ant1 | 2440 | 1.108 | 0.5 | PASS |
| BLE_2M | Ant1 | 2480 | 1.101 | 0.5 | PASS |

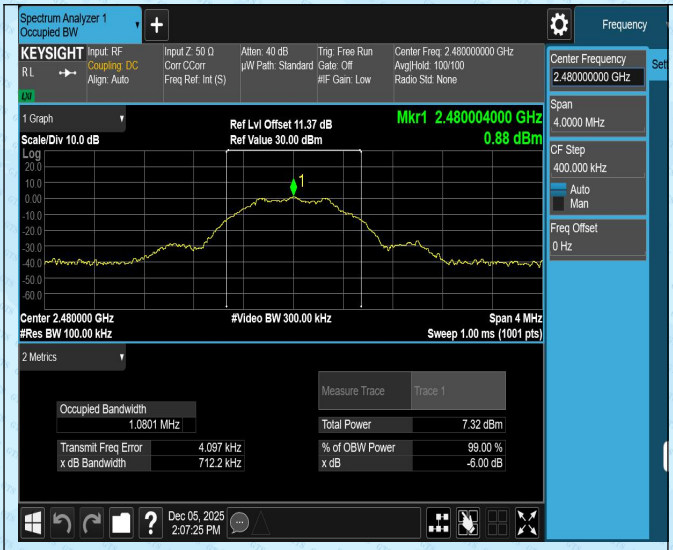
## Test Graphs




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

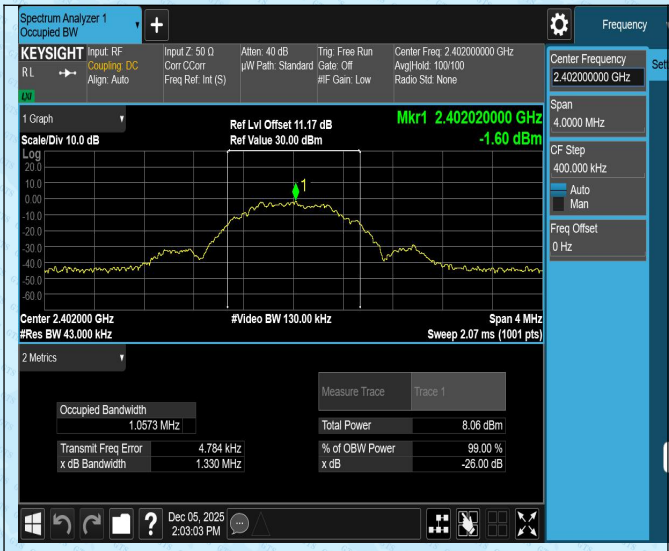
BLE_2M-Ant1-2480-PASS

## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 1.0573 | 2401.4761 | 2402.5334 | --- | --- |
| BLE_1M | Ant1 | 2440 | 1.0482 | 2439.4811 | 2440.5293 | --- | --- |
| BLE_1M | Ant1 | 2480 | 1.0526 | 2479.4804 | 2480.5330 | --- | --- |
| BLE_2M | Ant1 | 2402 | 2.0299 | 2400.9983 | 2403.0282 | --- | --- |
| BLE_2M | Ant1 | 2440 | 2.0358 | 2438.9987 | 2441.0345 | --- | --- |
| BLE_2M | Ant1 | 2480 | 2.0493 | 2478.9929 | 2481.0422 | --- | --- |

## Test Graphs

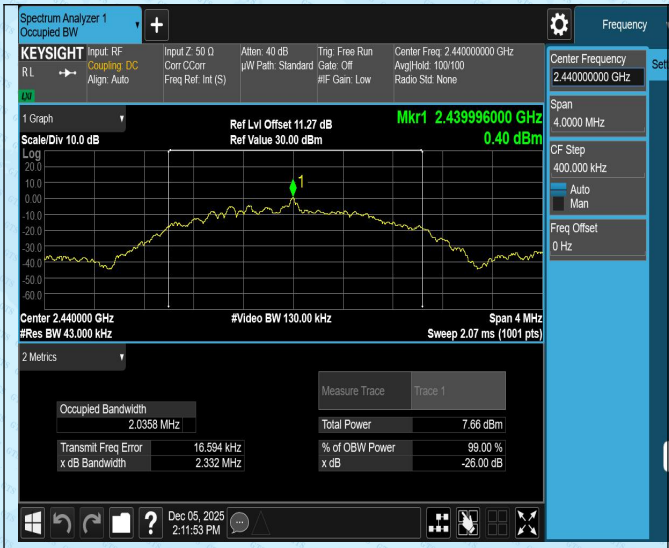



BLE_1M-Ant1-2402

BLE_1M-Ant1-2440

BLE_1M-Ant1-2480

BLE_2M-Ant1-2402




BLE_2M-Ant1-2440

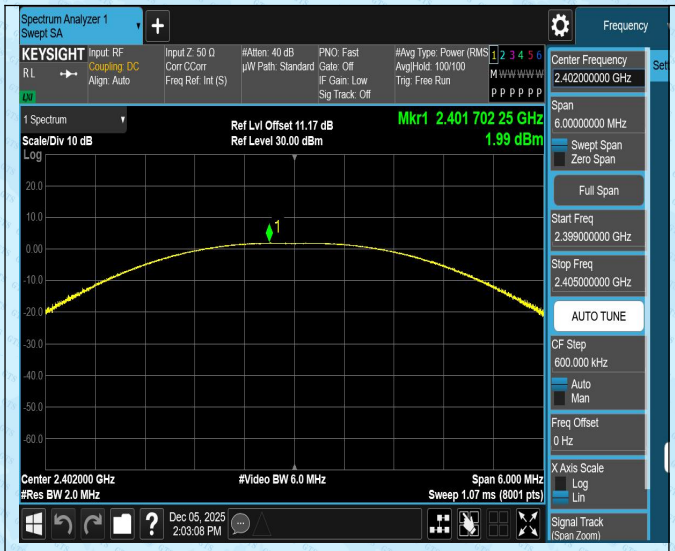
BLE_2M-Ant1-2480

## Appendix C: Maximum conducted output power

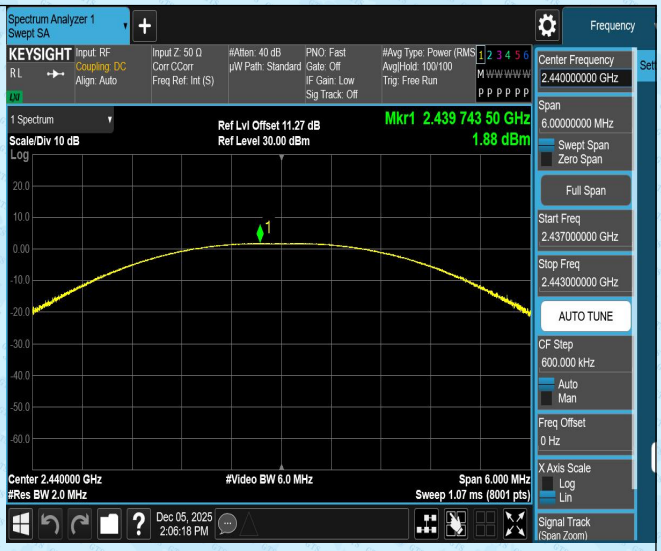
### Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Gain [dBi] | EIRP[dBm] | EIRP Limit[dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 1.99 | ≤30 | 1.97 | 3.96 | ≤36 | PASS |
| BLE_1M | Ant1 | 2440 | 1.88 | ≤30 | 1.97 | 3.85 | ≤36 | PASS |
| BLE_1M | Ant1 | 2480 | 1.46 | ≤30 | 1.97 | 3.43 | ≤36 | PASS |
| BLE_2M | Ant1 | 2402 | 1.82 | ≤30 | 1.97 | 3.79 | ≤36 | PASS |
| BLE_2M | Ant1 | 2440 | 1.91 | ≤30 | 1.97 | 3.88 | ≤36 | PASS |
| BLE_2M | Ant1 | 2480 | 1.49 | ≤30 | 1.97 | 3.46 | ≤36 | PASS |

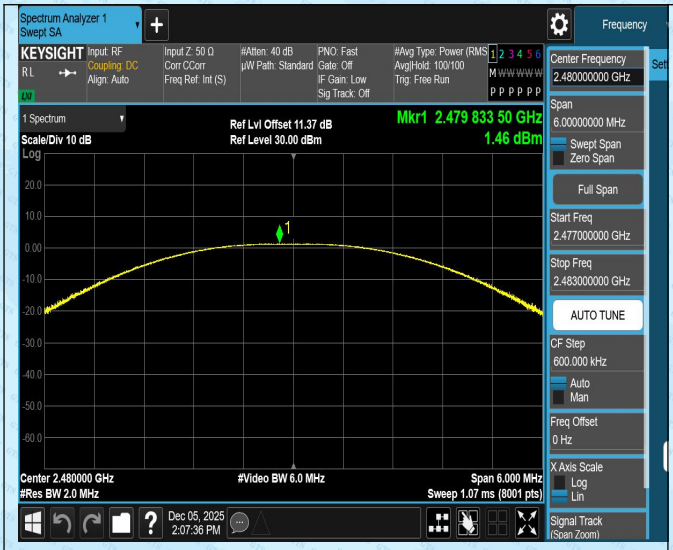
### Test Graphs Peak



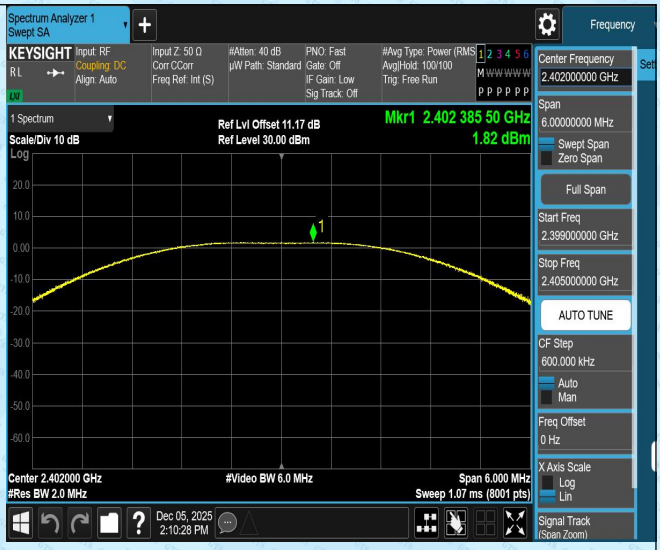

BLE_1M-Ant1-2402-PASS



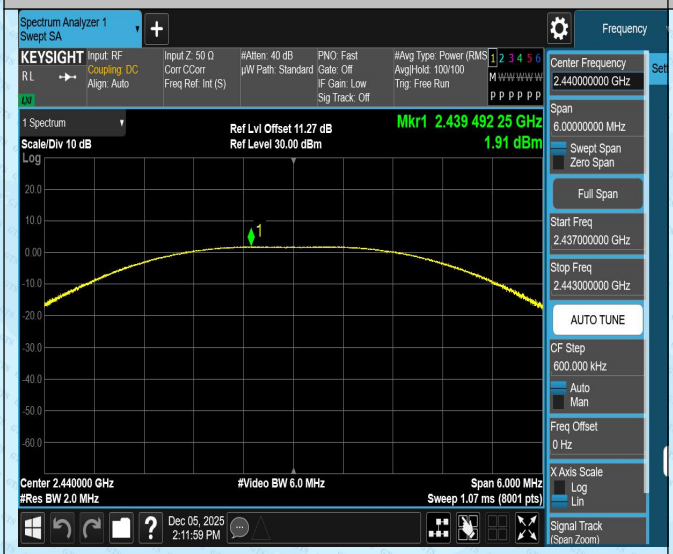

BLE_1M-Ant1-2440-PASS



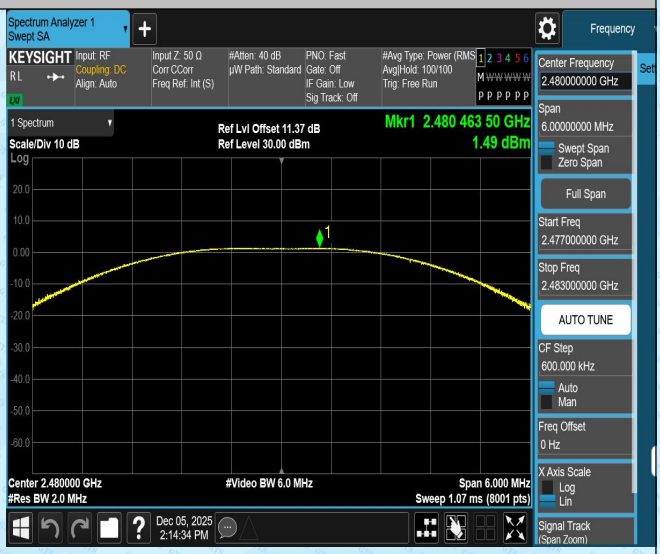

BLE_1M-Ant1-2480-PASS




BLE_2M-Ant1-2402-PASS




BLE_2M-Ant1-2440-PASS



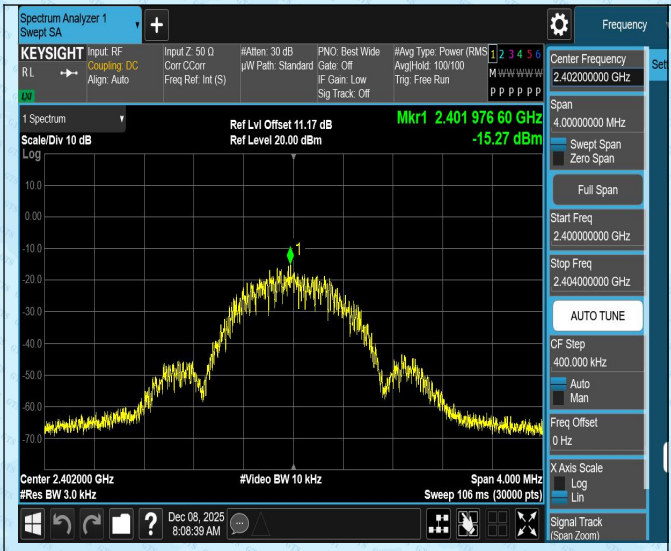

BLE_2M-Ant1-2480-PASS

# Appendix D: Maximum power spectral density

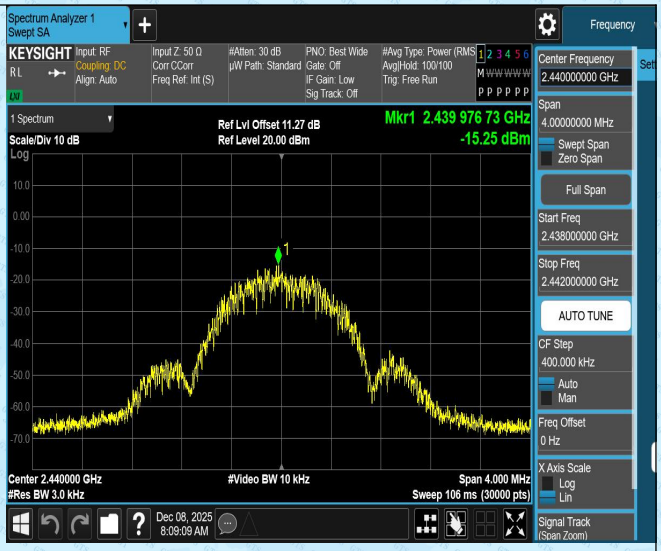
## Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | -15.27 | ≤8.00 | PASS |
| BLE_1M | Ant1 | 2440 | -15.25 | ≤8.00 | PASS |
| BLE_1M | Ant1 | 2480 | -16.01 | ≤8.00 | PASS |
| BLE_2M | Ant1 | 2402 | -17.95 | ≤8.00 | PASS |
| BLE_2M | Ant1 | 2440 | -17.76 | ≤8.00 | PASS |
| BLE_2M | Ant1 | 2480 | -18.41 | ≤8.00 | PASS |

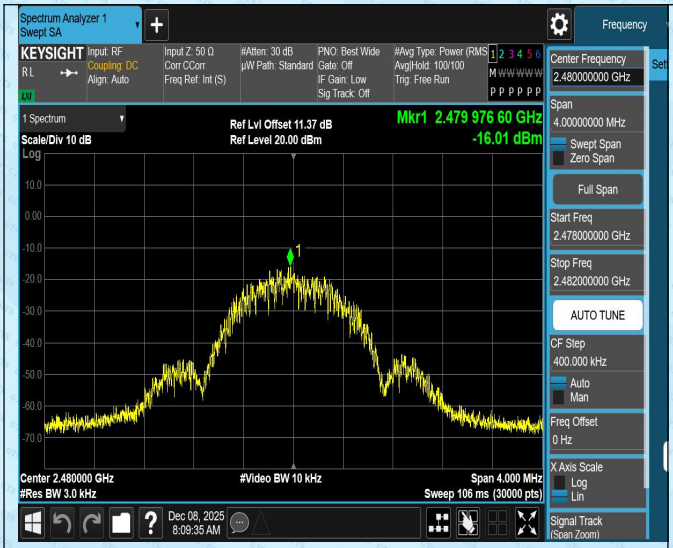
## Test Graphs



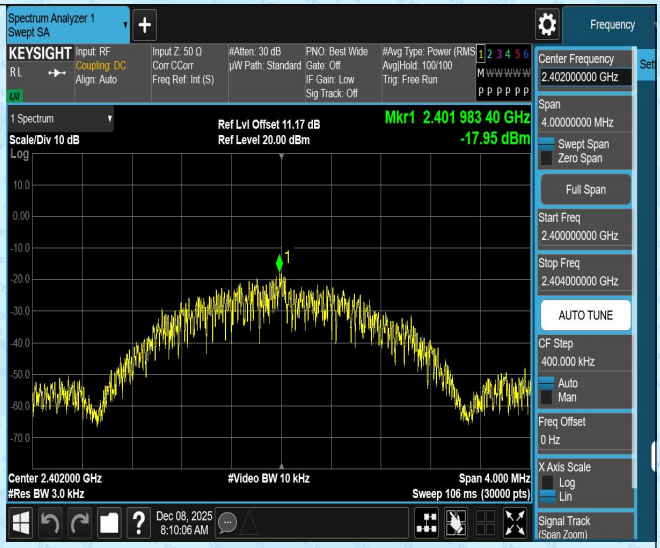

BLE_1M-Ant1-2402-PASS



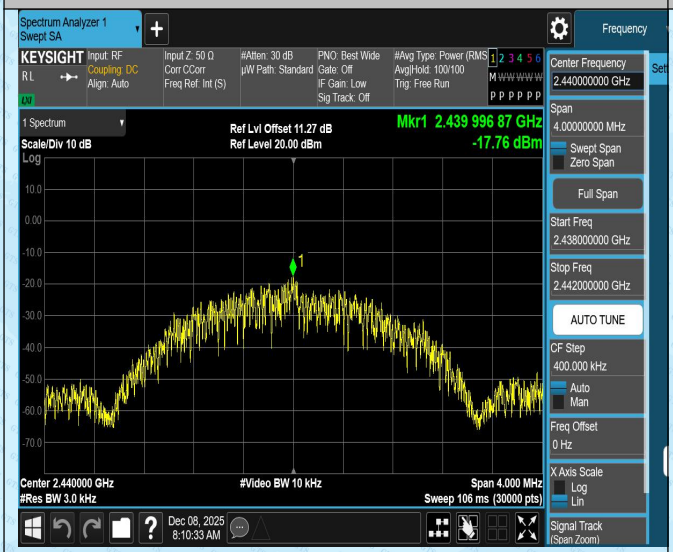

BLE_1M-Ant1-2440-PASS



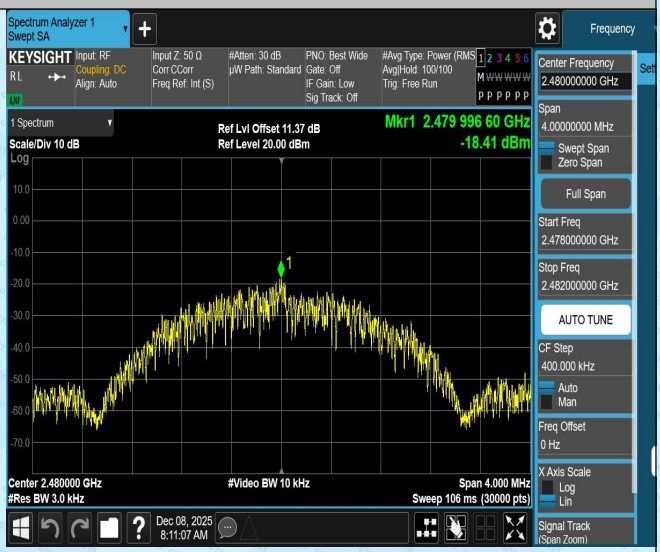

BLE_1M-Ant1-2480-PASS




BLE_2M-Ant1-2402-PASS




BLE_2M-Ant1-2440-PASS



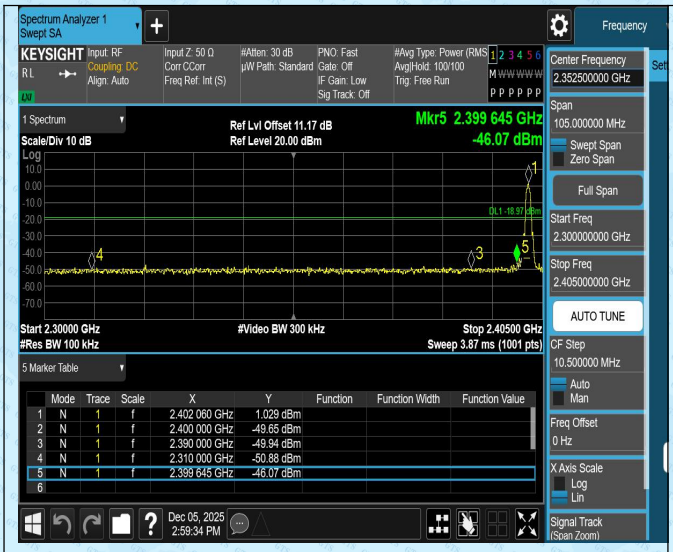

BLE_2M-Ant1-2480-PASS

# Appendix E: Band edge measurements

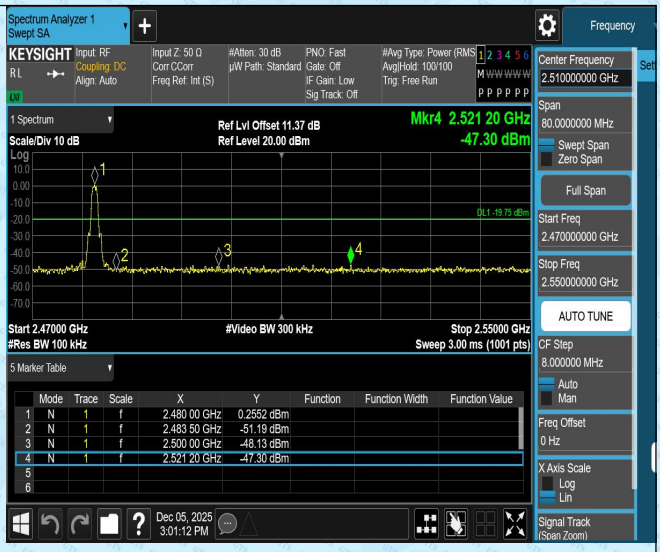
## Test Result

| Test Mode | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | Low | 2402 | 1.03 | -46.07 | ≤-18.97 | PASS |
| BLE_1M | Ant1 | High | 2480 | 0.26 | -47.3 | ≤-19.75 | PASS |
| BLE_2M | Ant1 | Low | 2402 | 1.35 | -33.65 | ≤-18.65 | PASS |
| BLE_2M | Ant1 | High | 2480 | 0.61 | -46.84 | ≤-19.4 | PASS |

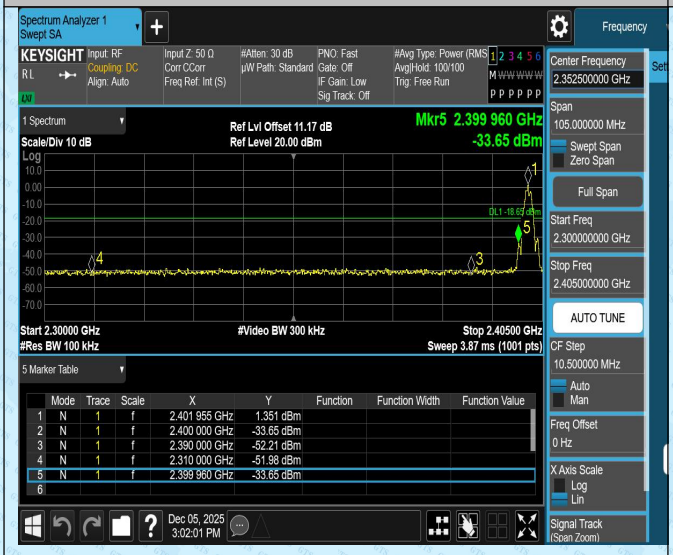
## Test Graphs



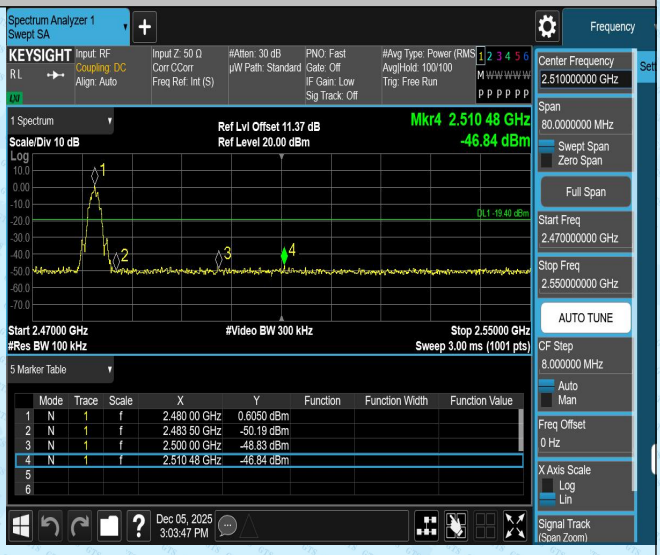

BLE_1M-Ant1-2402-PASS




BLE_1M-Ant1-2480-PASS




BLE_2M-Ant1-2402-PASS




BLE_2M-Ant1-2480-PASS

## Appendix F: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 0~Reference | 1.28 | 1.28 | --- | PASS |
| BLE_1M | Ant1 | 2402 | 30~1000 | 1.28 | -62.21 | ≤-18.72 | PASS |
| BLE_1M | Ant1 | 2402 | 1000~26500 | 1.28 | -43.2 | ≤-18.72 | PASS |
| BLE_1M | Ant1 | 2440 | 0~Reference | 1.56 | 1.56 | --- | PASS |
| BLE_1M | Ant1 | 2440 | 30~1000 | 1.56 | -62.14 | ≤-18.44 | PASS |
| BLE_1M | Ant1 | 2440 | 1000~26500 | 1.56 | -43.44 | ≤-18.44 | PASS |
| BLE_1M | Ant1 | 2480 | 0~Reference | 0.86 | 0.86 | --- | PASS |
| BLE_1M | Ant1 | 2480 | 30~1000 | 0.86 | -62.71 | ≤-19.14 | PASS |
| BLE_1M | Ant1 | 2480 | 1000~26500 | 0.86 | -42.19 | ≤-19.14 | PASS |
| BLE_2M | Ant1 | 2402 | 0~Reference | 1.31 | 1.31 | --- | PASS |
| BLE_2M | Ant1 | 2402 | 30~1000 | 1.31 | -62.2 | ≤-18.69 | PASS |
| BLE_2M | Ant1 | 2402 | 1000~26500 | 1.31 | -42.63 | ≤-18.69 | PASS |
| BLE_2M | Ant1 | 2440 | 0~Reference | 1.53 | 1.53 | --- | PASS |
| BLE_2M | Ant1 | 2440 | 30~1000 | 1.53 | -61.92 | ≤-18.47 | PASS |
| BLE_2M | Ant1 | 2440 | 1000~26500 | 1.53 | -43.35 | ≤-18.47 | PASS |
| BLE_2M | Ant1 | 2480 | 0~Reference | 0.89 | 0.89 | --- | PASS |
| BLE_2M | Ant1 | 2480 | 30~1000 | 0.89 | -62.69 | ≤-19.11 | PASS |
| BLE_2M | Ant1 | 2480 | 1000~26500 | 0.89 | -43.47 | ≤-19.11 | PASS |