

## Appendix for FCC BT

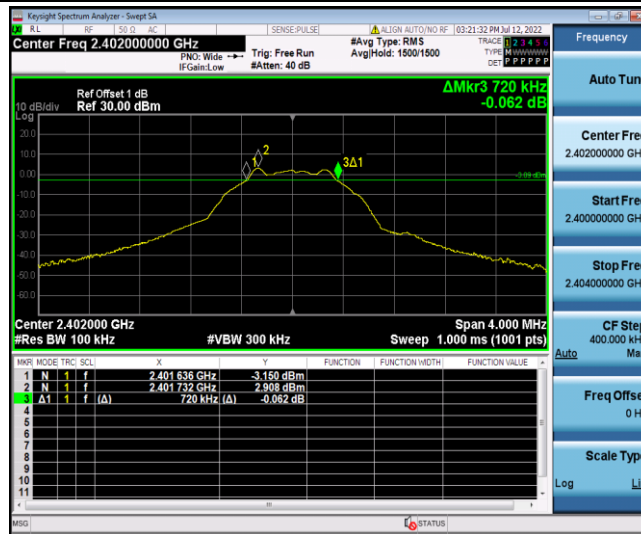
Test Report No. :CTL2206229013-WF02

### Appendix A: DTS Bandwidth

#### Test Result

| TestMode  | Antenna | Channel | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|--------------|----------|----------|------------|---------|
| BLE_BT4.0 | Ant1    | 2402    | 0.720        | 2401.636 | 2402.356 | 0.5        | PASS    |
|           |         | 2440    | 0.728        | 2439.620 | 2440.348 | 0.5        | PASS    |
|           |         | 2480    | 0.728        | 2479.628 | 2480.356 | 0.5        | PASS    |

# Test Graphs



BLE\_BT4.0\_Ant1\_2402



BLE\_BT4.0\_Ant1\_2440



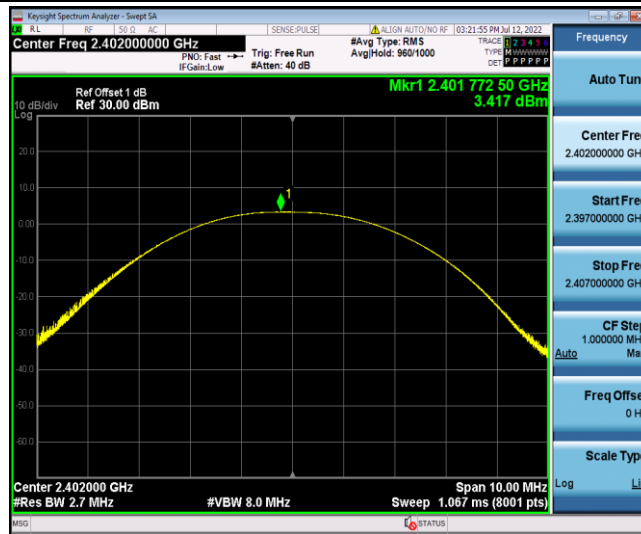
BLE\_BT4.0\_Ant1\_2480

## Appendix B: Maximum conducted output power

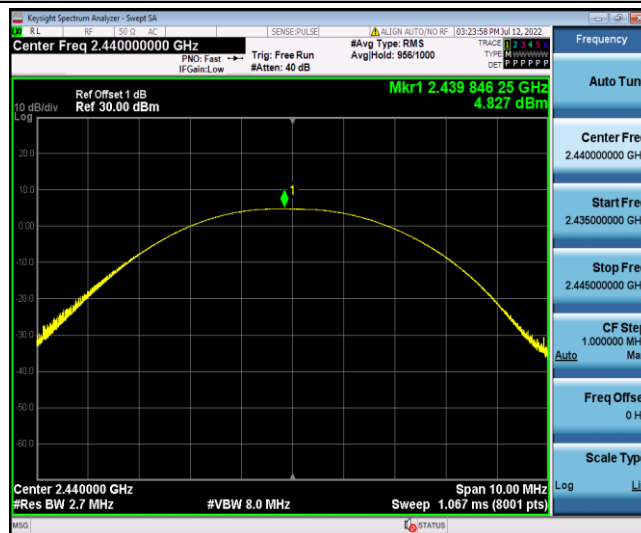
### Test Result

| TestMode  | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| BLE_BT4.0 | Ant1    | 2402    | 3.42        | ≤30        | PASS    |
|           |         | 2440    | 4.83        | ≤30        | PASS    |
|           |         | 2480    | 6.18        | ≤30        | PASS    |

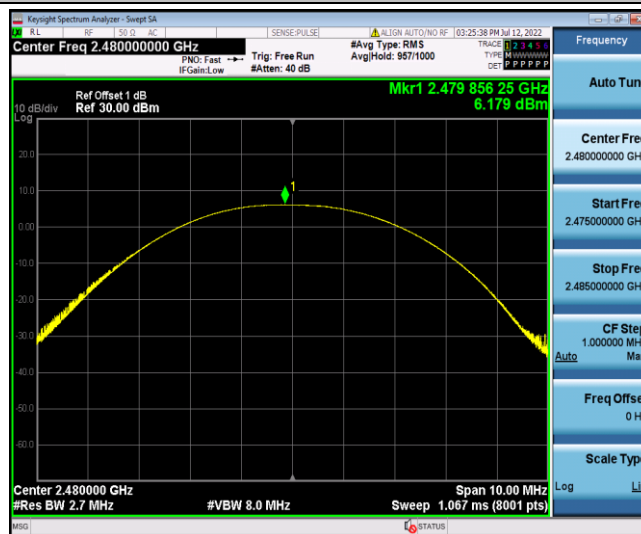
# Test Graphs



BLE\_BT4.0\_Ant1\_2402



BLE\_BT4.0\_Ant1\_2440



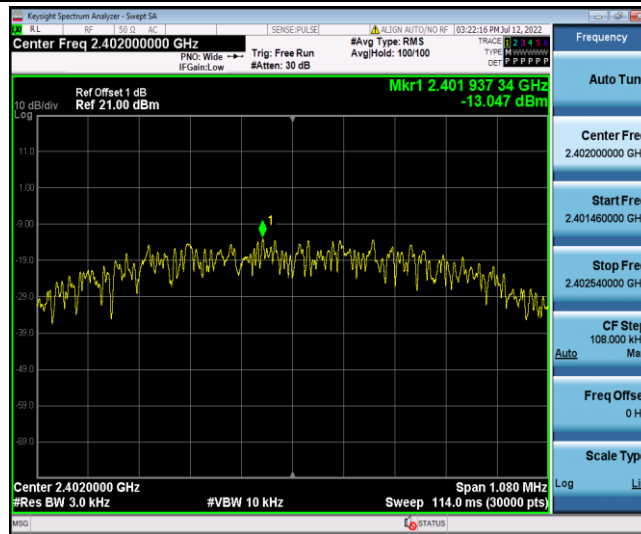
BLE\_BT4.0\_Ant1\_2480

## Appendix C: Maximum power spectral density

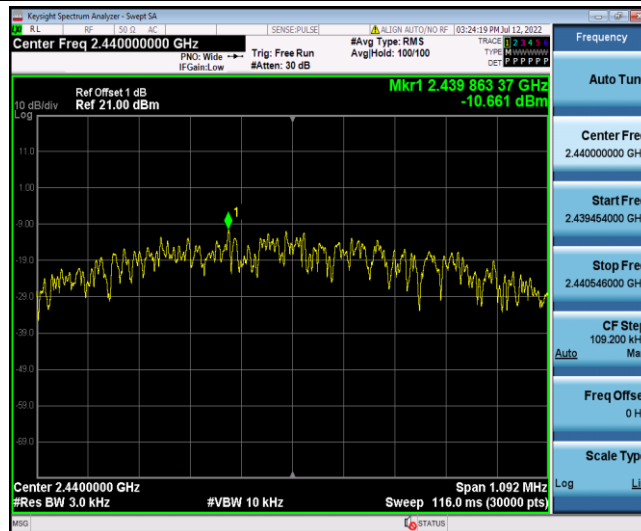
### Test Result

| TestMode  | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| BLE_BT4.0 | Ant1    | 2402    | -13.05               | ≤8              | PASS    |
|           |         | 2440    | -10.66               | ≤8              | PASS    |
|           |         | 2480    | -9.86                | ≤8              | PASS    |

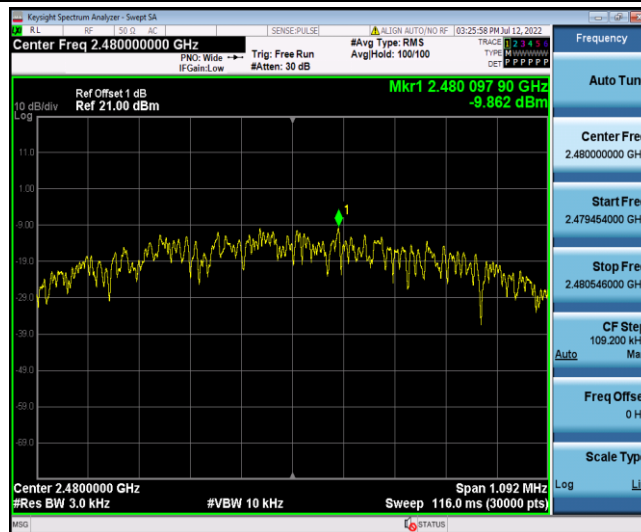
# Test Graphs



BLE\_BT4.0\_Ant1\_2402



BLE\_BT4.0\_Ant1\_2440



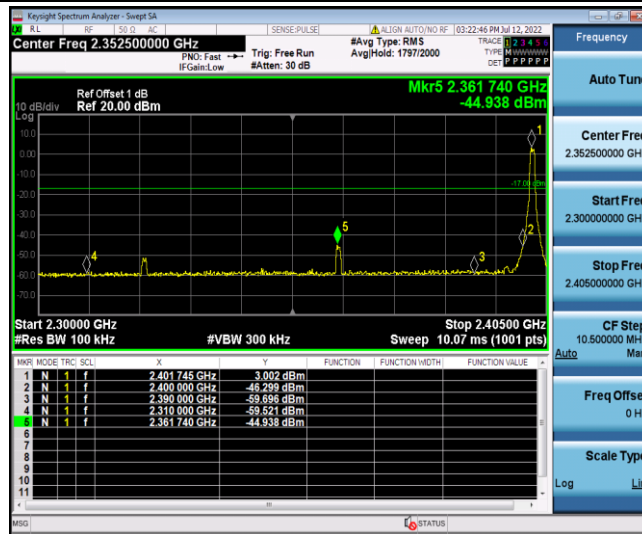
BLE\_BT4.0\_Ant1\_2480

## Appendix D: Band edge measurements

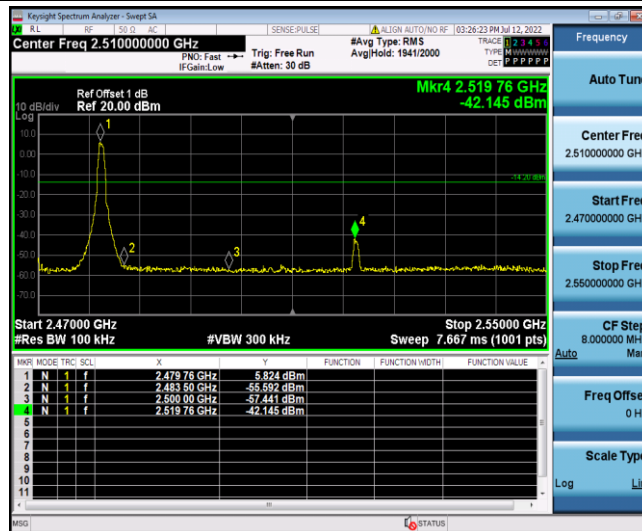
### Test Result

| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| BLE_BT4.0 | Ant1    | Low    | 2402    | 3.00          | -44.94      | ≤-17       | PASS    |
|           |         | High   | 2480    | 5.81          | -42.15      | ≤-14.2     | PASS    |

# Test Graphs



BLE\_BT4.0\_Ant1\_Low\_2402



BLE\_BT4.0\_Ant1\_High\_2480



## Appendix E: Conducted Spurious Emission

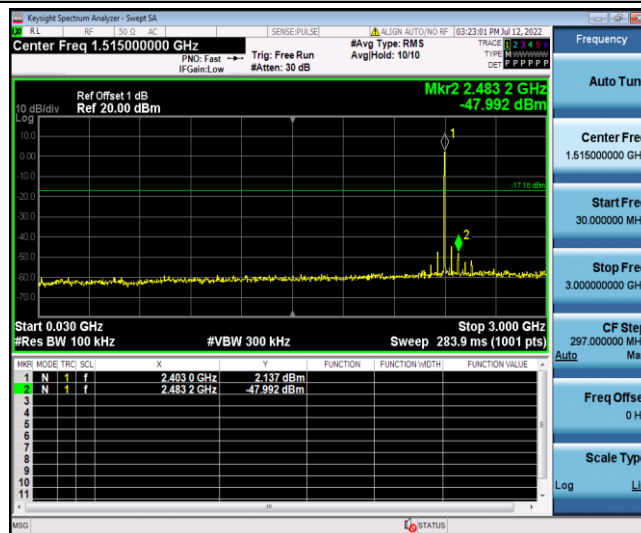
### Test Result

| TestMode  | Antenna | Channel | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-----------------|----------------|-------------|------------|---------|
| BLE_BT4.0 | Ant1    | 2402    | Reference       | 2.82           | 2.82        | ---        | PASS    |
|           |         |         | 30~3000         | 2.82           | -47.99      | ≤-17.18    | PASS    |
|           |         |         | 3000~26500      | 2.82           | -38.55      | ≤-17.18    | PASS    |
|           |         | 2440    | Reference       | 4.24           | 4.24        | ---        | PASS    |
|           |         |         | 30~3000         | 4.24           | -53.54      | ≤-15.76    | PASS    |
|           |         |         | 3000~26500      | 4.24           | -35.69      | ≤-15.76    | PASS    |
|           |         | 2480    | Reference       | 5.68           | 5.68        | ---        | PASS    |
|           |         |         | 30~3000         | 5.68           | -46.97      | ≤-14.32    | PASS    |
|           |         |         | 3000~26500      | 5.68           | -39.06      | ≤-14.32    | PASS    |

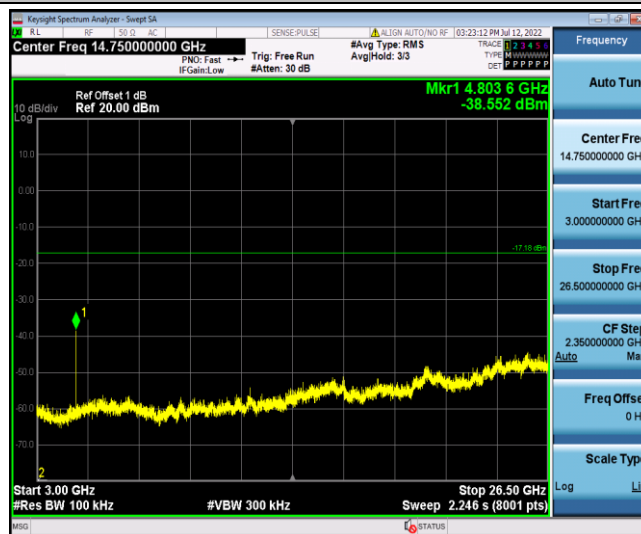
# Test Graphs



BLE\_BT4.0\_Ant1\_2402\_0~Reference



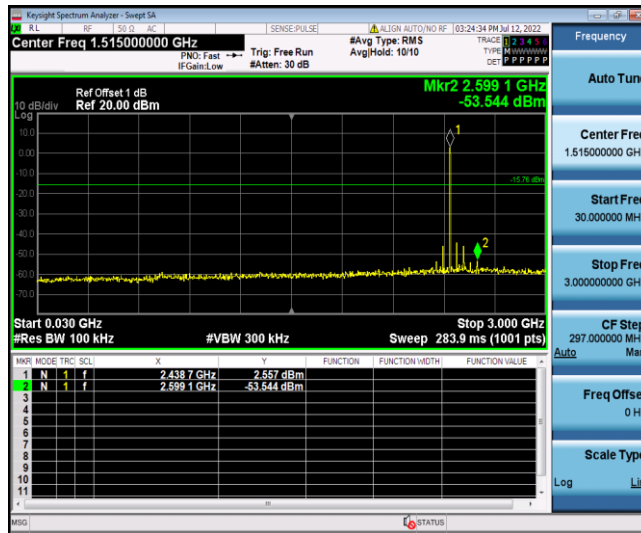
BLE\_BT4.0\_Ant1\_2402\_30~3000



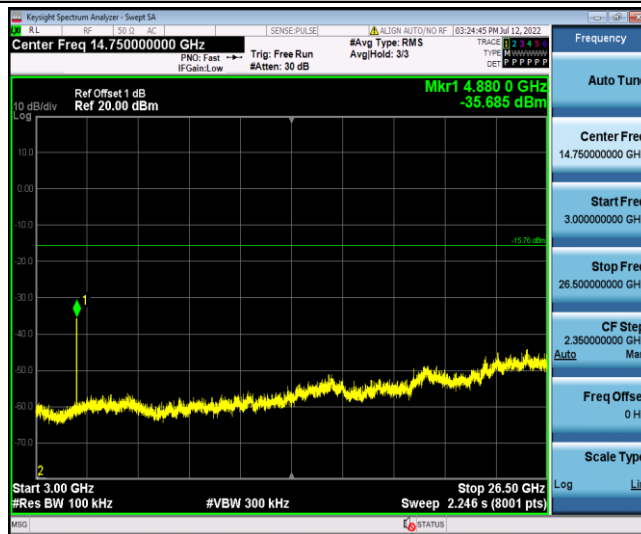
BLE\_BT4.0\_Ant1\_2402\_3000~26500



BLE\_BT4.0\_Ant1\_2440\_0~Reference



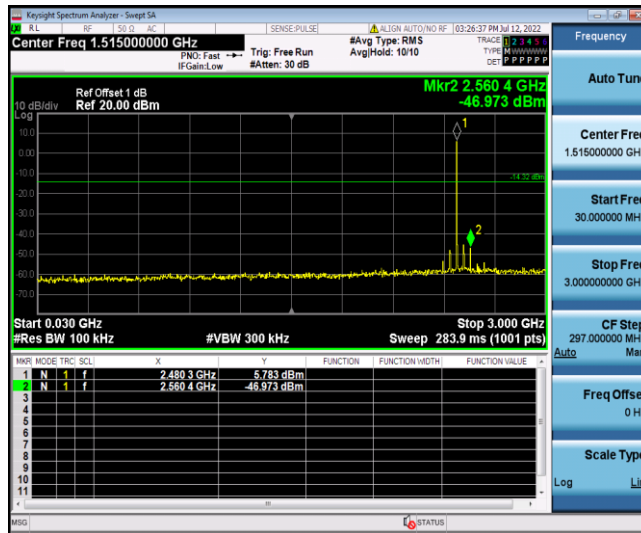
BLE\_BT4.0\_Ant1\_2440\_30~3000



BLE\_BT4.0\_Ant1\_2440\_3000~26500



BLE\_BT4.0\_Ant1\_2480\_0~Reference



BLE\_BT4.0\_Ant1\_2480\_30~3000



BLE\_BT4.0\_Ant1\_2480\_3000~26500

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