

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| <b>Case No. :</b> <u>GTS20221010004-1-3</u>                           |                                         |
| <b>Ambient Condition:</b> <u>26</u> °C, <u>47</u> %RH, Atmos100.1Kpa, |                                         |
| <b>Test Date:</b> <u>2022.10.19</u>                                   | <b>Test Engineer:</b> <u>Jenny zeng</u> |

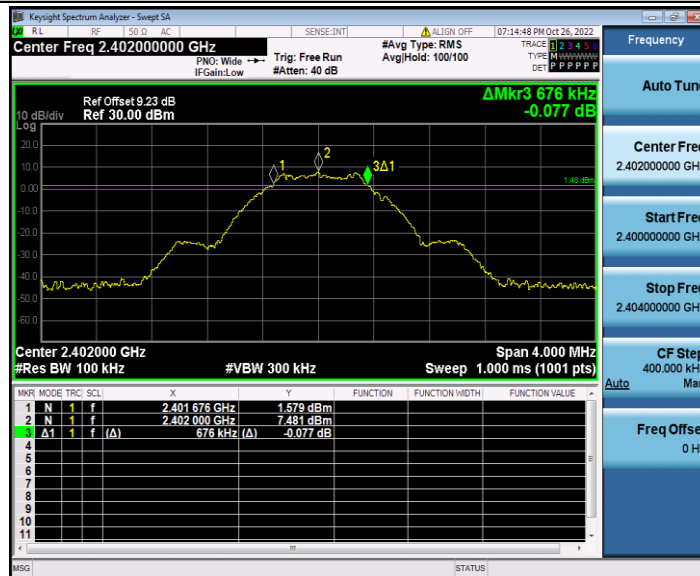
## Appendix B.1: DTS Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE      | Ant1    | 2402           | 0.676        | 2401.676 | 2402.352 | 0.5        | PASS    |
|          |         | 2440           | 0.672        | 2439.668 | 2440.340 | 0.5        | PASS    |
|          |         | 2480           | 0.684        | 2479.664 | 2480.348 | 0.5        | PASS    |

## Test Graphs

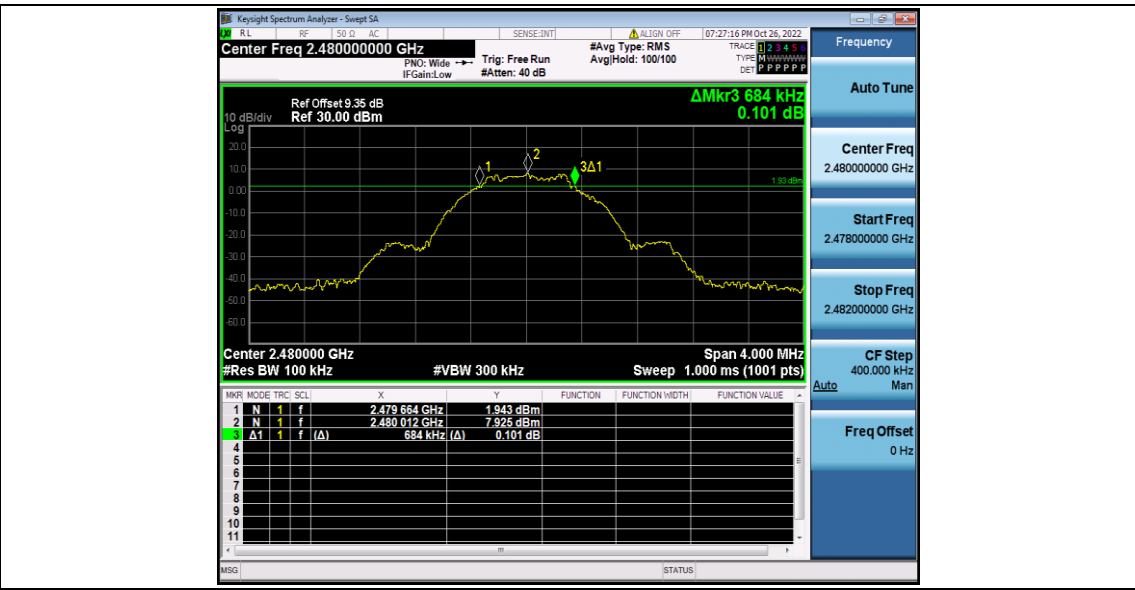
BLE\_Ant1\_2402



BLE\_Ant1\_2440



BLE\_Ant1\_2480



## Appendix B.2: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|----------|----------|------------|---------|
| BLE      | Ant1    | 2402           | 1.0420    | 2401.503 | 2402.545 | ---        | ---     |
|          |         | 2440           | 1.0435    | 2439.502 | 2440.545 | ---        | ---     |
|          |         | 2480           | 1.0462    | 2479.500 | 2480.546 | ---        | ---     |

## Test Graphs

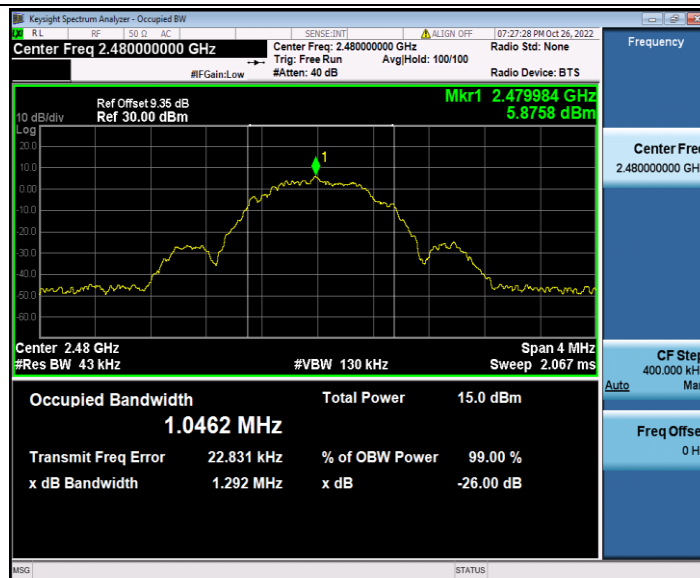
BLE\_Ant1\_2402



BLE\_Ant1\_2440



BLE\_Ant1\_2480



**Appendix B.3: Maximum conducted output power**

**Test Result Peak**

| TestMode | Antenna | Frequency[MHz] | Conducted Peak<br>Powert[dBm] | Conducted<br>Limit[dBm] | Verdict |
|----------|---------|----------------|-------------------------------|-------------------------|---------|
| BLE      | Ant1    | 2402           | 8.3                           | ≤30                     | PASS    |
|          |         | 2440           | 8.56                          | ≤30                     | PASS    |
|          |         | 2480           | 8.75                          | ≤30                     | PASS    |

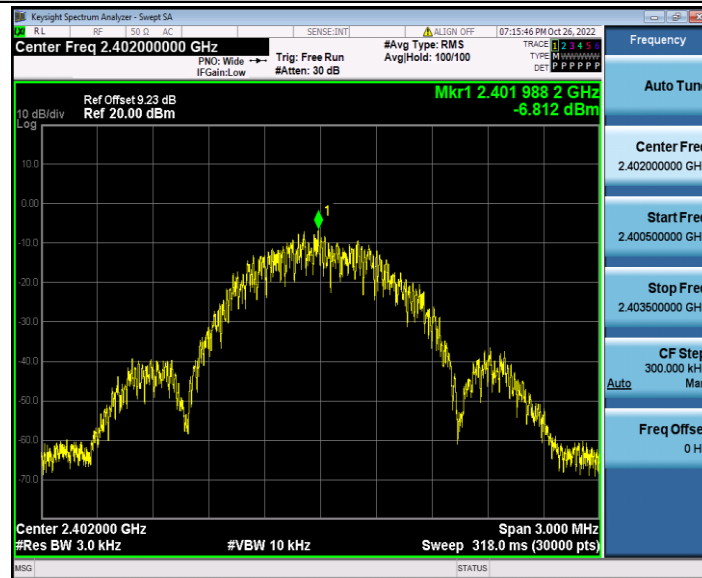
**Appendix B.4: Maximum power spectral density**

**Test Result**

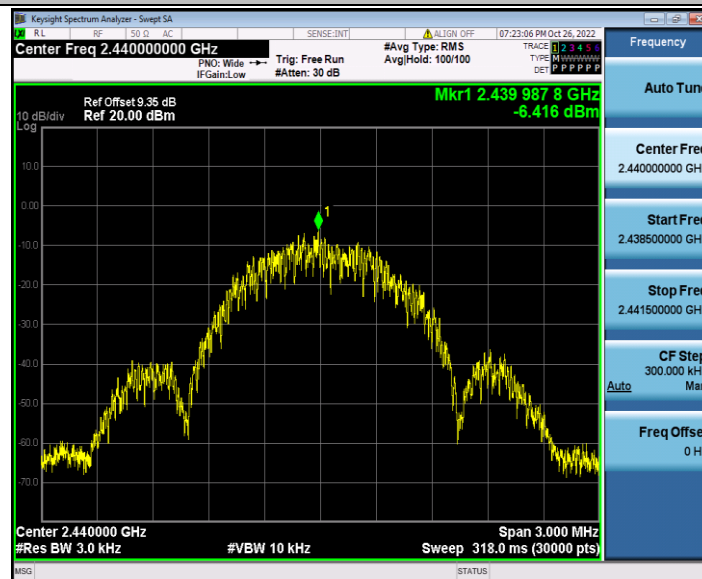
| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE      | Ant1    | 2402           | -6.81            | ≤8.00           | PASS    |
|          |         | 2440           | -6.42            | ≤8.00           | PASS    |
|          |         | 2480           | -6.12            | ≤8.00           | PASS    |

## Test Graphs

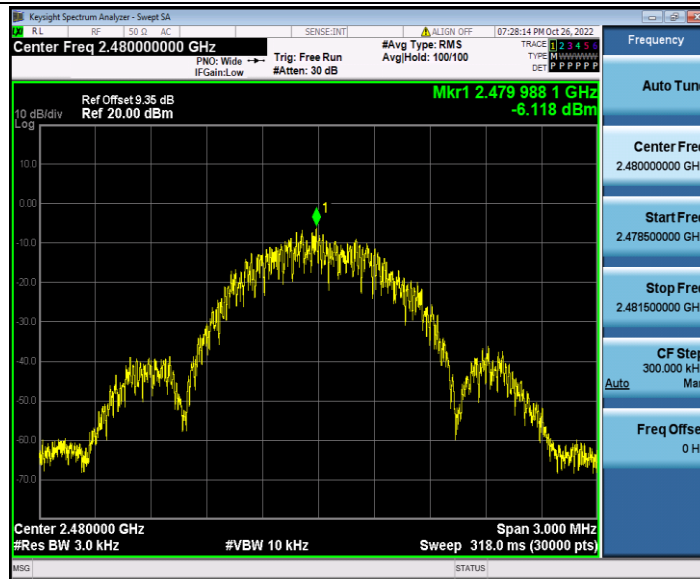
BLE\_Ant1\_2402



BLE\_Ant1\_2440



BLE\_Ant1\_2480



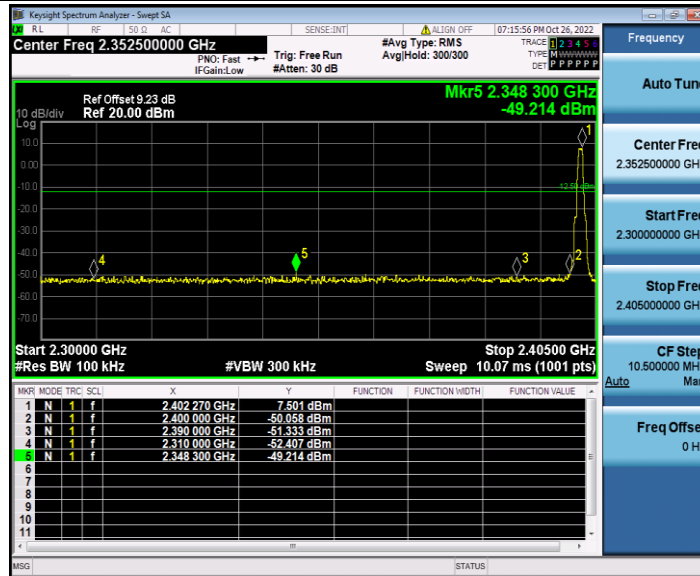
**Appendix B.5: Band edge measurements**

**Test Result**

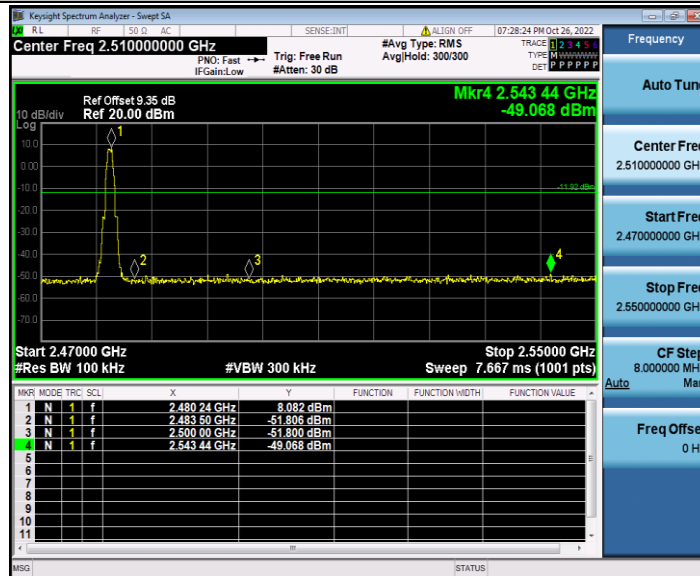
| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|----------------|---------------|-------------|------------|---------|
| BLE      | Ant1    | Low    | 2402           | 7.50          | -49.21      | ≤-12.5     | PASS    |
|          |         | High   | 2480           | 8.08          | -49.07      | ≤-11.92    | PASS    |

## Test Graphs

BLE\_Ant1\_Low\_2402



BLE\_Ant1\_High\_2480



## Appendix B.6: Conducted Spurious Emission

### Test Result

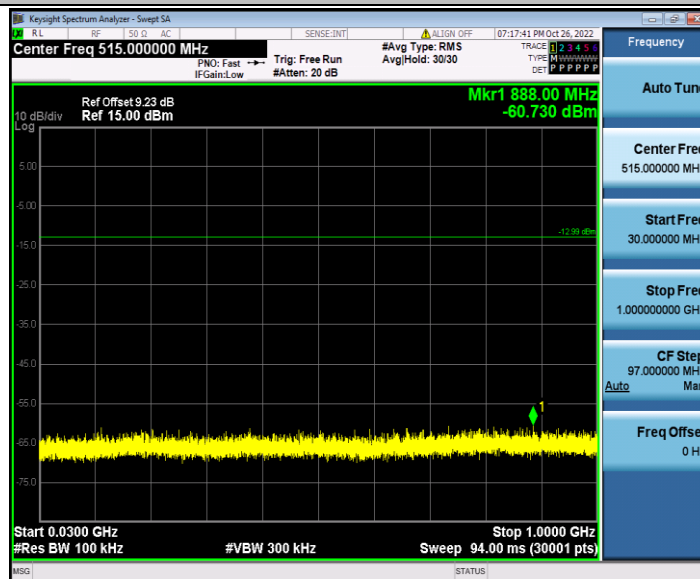
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|----------|---------|----------------|-----------------|----------------|-------------|---------------|---------|
| BLE      | Ant1    | 2402           | Reference       | 7.01           | 7.01        | ---           | PASS    |
|          |         |                | 30~1000         | 7.01           | -60.73      | $\leq -12.99$ | PASS    |
|          |         |                | 1000~26500      | 7.01           | -47.38      | $\leq -12.99$ | PASS    |
|          |         | 2440           | Reference       | 7.22           | 7.22        | ---           | PASS    |
|          |         |                | 30~1000         | 7.22           | -60.07      | $\leq -12.78$ | PASS    |
|          |         |                | 1000~26500      | 7.22           | -47.65      | $\leq -12.78$ | PASS    |
|          |         | 2480           | Reference       | 7.40           | 7.40        | ---           | PASS    |
|          |         |                | 30~1000         | 7.40           | -60.19      | $\leq -12.6$  | PASS    |
|          |         |                | 1000~26500      | 7.40           | -47.94      | $\leq -12.6$  | PASS    |

## Test Graphs

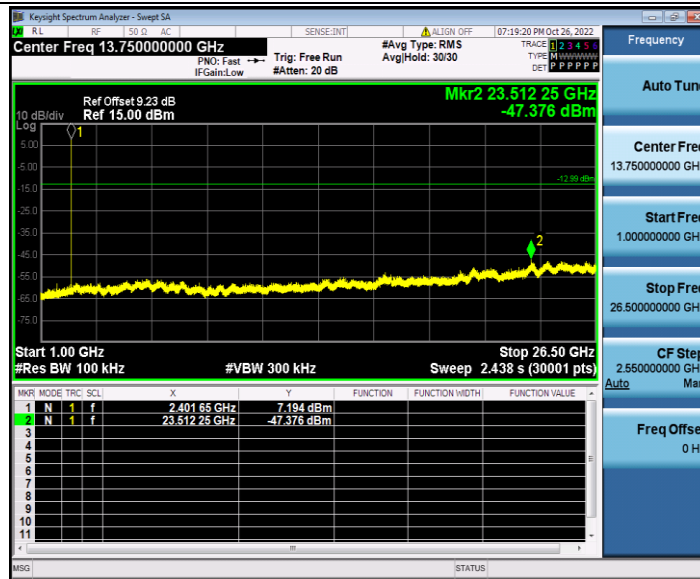
BLE\_Ant1\_2402\_0~Reference



BLE\_Ant1\_2402\_30~1000



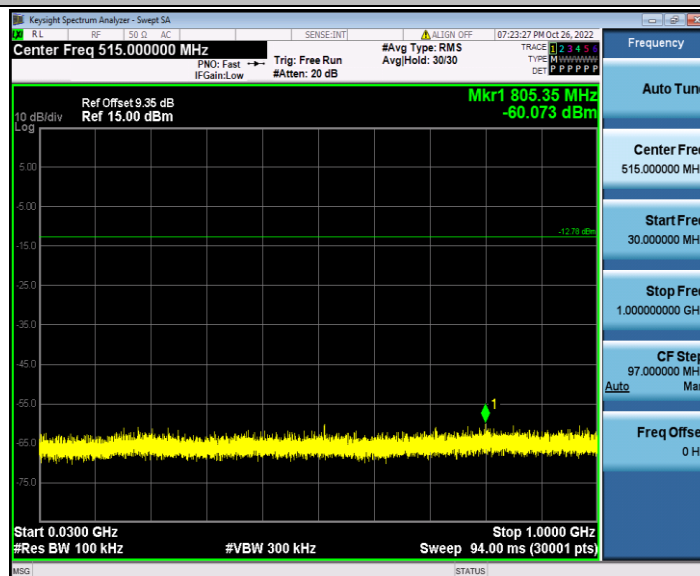
BLE\_Ant1\_2402\_1000~26500



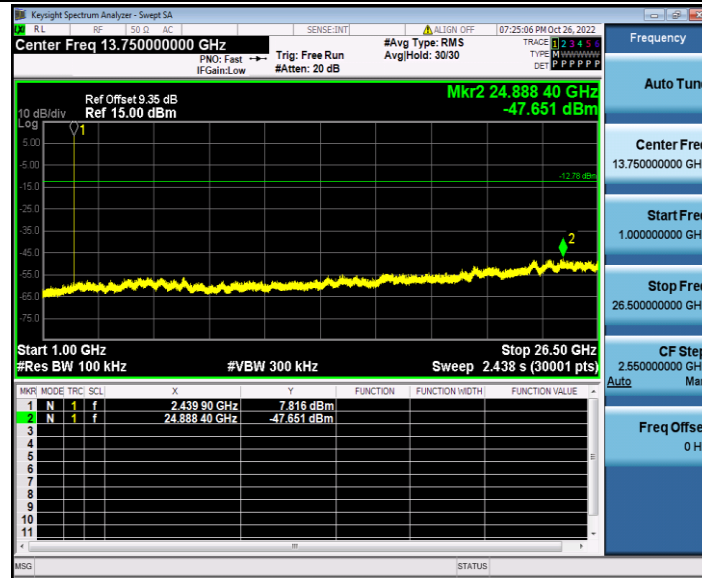
BLE\_Ant1\_2440\_0~Reference



BLE\_Ant1\_2440\_30~1000



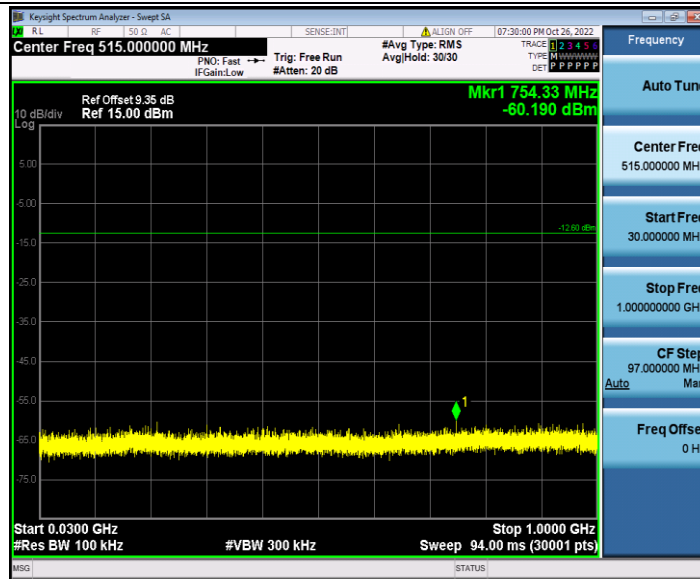
# BLE\_Ant1\_2440\_1000~26500



# BLE\_Ant1\_2480\_0~Reference



# BLE\_Ant1\_2480\_30~1000



BLE\_Ant1\_2480\_1000~26500

