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|---|
| Case No. : <u>GTS20221201014-1-8</u> |
| Ambient Condition: <u>25 °C, 45 %RH, Atmos100.1Kpa,</u> |
| Test Date: <u>2022.12.12</u> Test Engineer: <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 | 0.628 | 2401.664 | 2402.292 | 0.5 | PASS |
| | | 2440 | 0.504 | 2439.652 | 2440.156 | 0.5 | PASS |
| | | 2480 | 0.616 | 2479.688 | 2480.304 | 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 | 1.0096 | 2401.492 | 2402.502 | --- | --- |
| | | 2440 | 1.0120 | 2439.490 | 2440.502 | --- | --- |
| | | 2480 | 1.0188 | 2479.487 | 2480.506 | --- | --- |

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 Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------|----------------------|---------|
| BLE | Ant1 | 2402 | 2.5 | ≤30 | PASS |
| | | 2440 | 4.68 | ≤30 | PASS |
| | | 2480 | 3.81 | ≤30 | PASS |

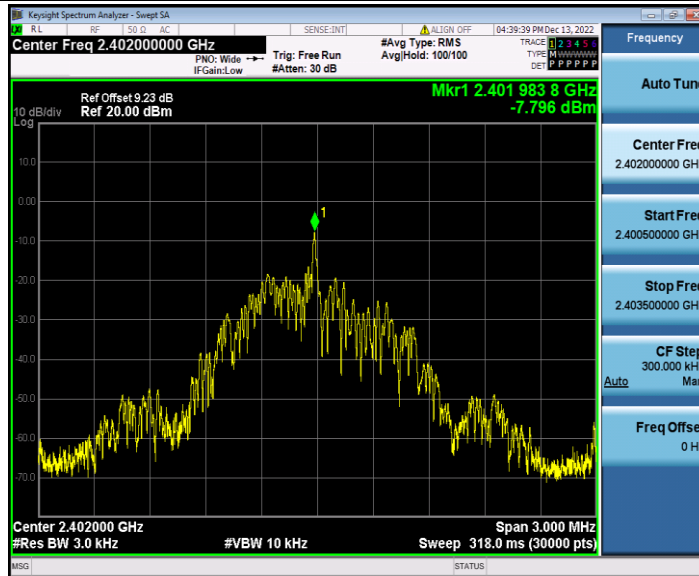
Appendix B.4: Maximum power spectral density

Test Result

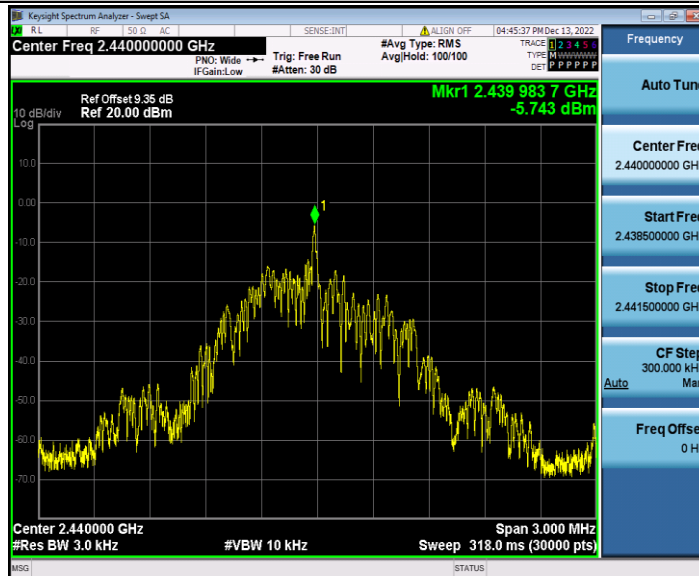
| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE | Ant1 | 2402 | -7.8 | ≤8.00 | PASS |
| | | 2440 | -5.74 | ≤8.00 | PASS |
| | | 2480 | -6.26 | ≤8.00 | PASS |

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



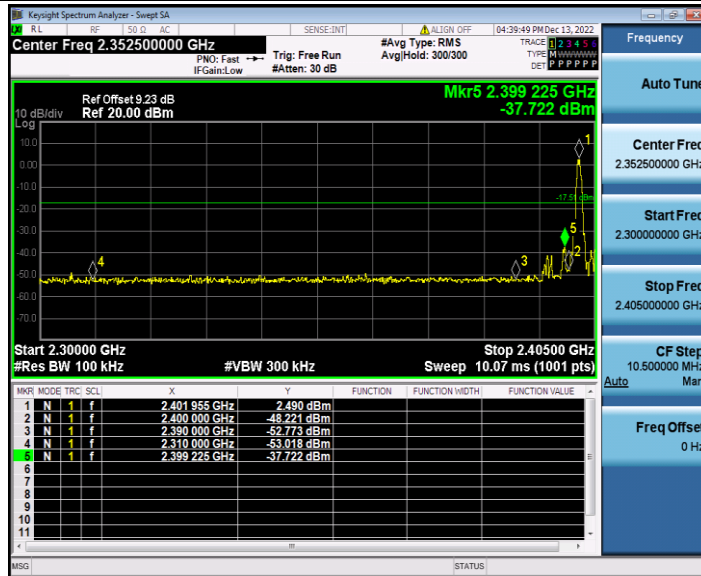
Appendix B.5: Band edge measurements

Test Result

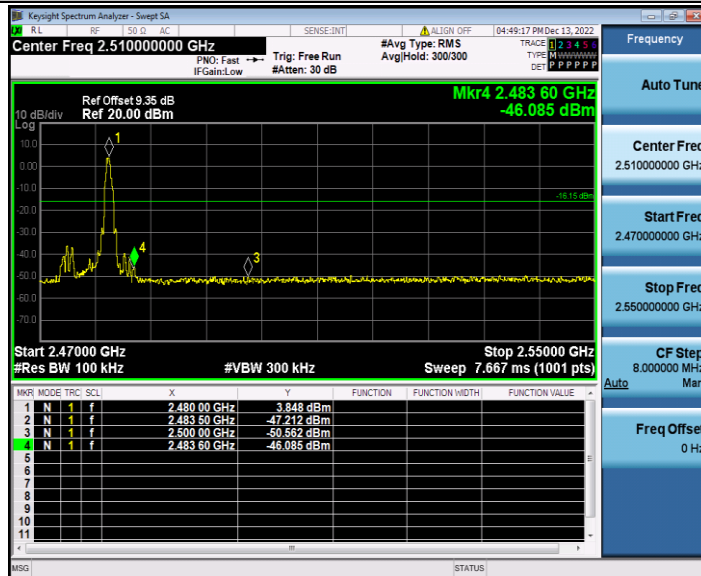
| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|----------------|---------------|-------------|------------|---------|
| BLE | Ant1 | Low | 2402 | 2.49 | -37.72 | ≤-17.51 | PASS |
| | | High | 2480 | 3.85 | -46.09 | ≤-16.15 | PASS |

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

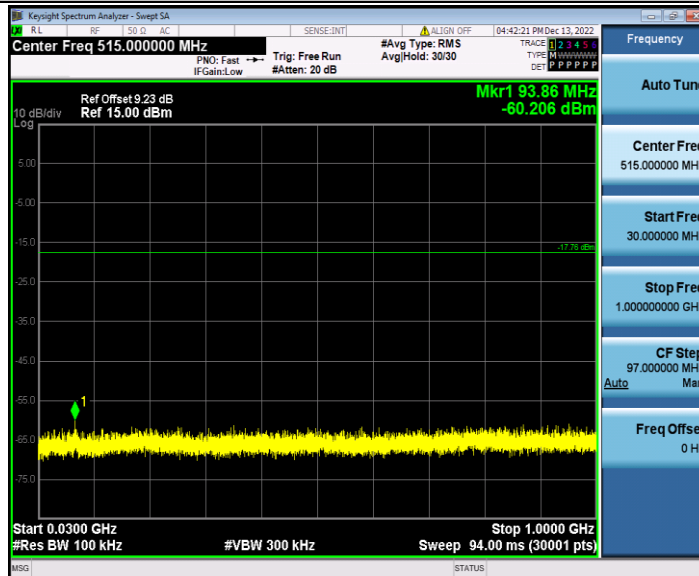
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|-------------|---------------|---------|
| BLE | Ant1 | 2402 | Reference | 2.24 | 2.24 | --- | PASS |
| | | | 30~1000 | 2.24 | -60.21 | ≤ -17.76 | PASS |
| | | | 1000~26500 | 2.24 | -46.46 | ≤ -17.76 | PASS |
| | | 2440 | Reference | 4.49 | 4.49 | --- | PASS |
| | | | 30~1000 | 4.49 | -60.06 | ≤ -15.51 | PASS |
| | | | 1000~26500 | 4.49 | -46.59 | ≤ -15.51 | PASS |
| | | 2480 | Reference | 3.63 | 3.63 | --- | PASS |
| | | | 30~1000 | 3.63 | -60.8 | ≤ -16.37 | PASS |
| | | | 1000~26500 | 3.63 | -46.73 | ≤ -16.37 | PASS |

Test Graphs

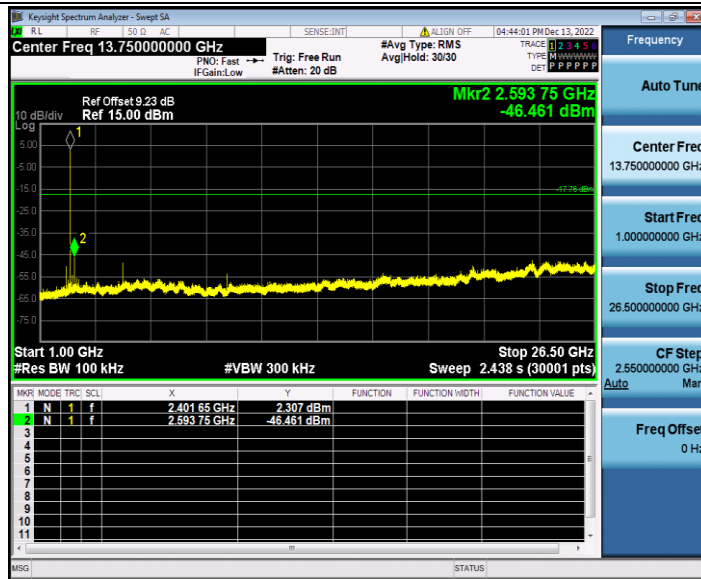
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



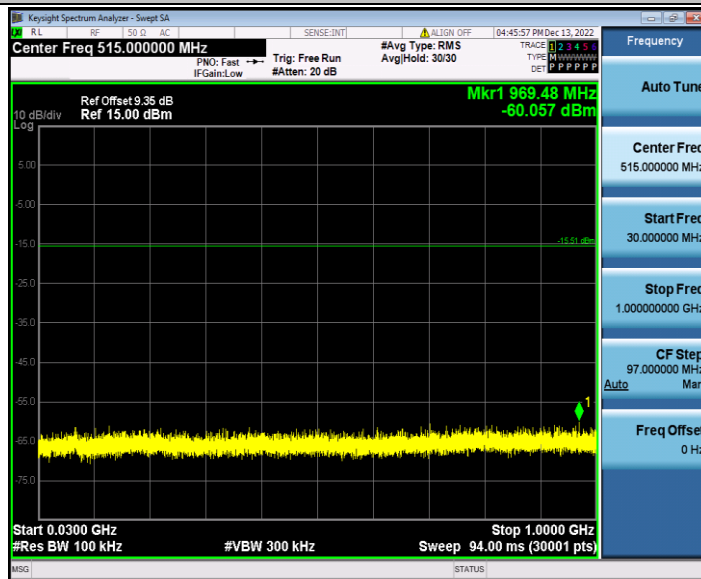
BLE_Ant1_2402_1000~26500



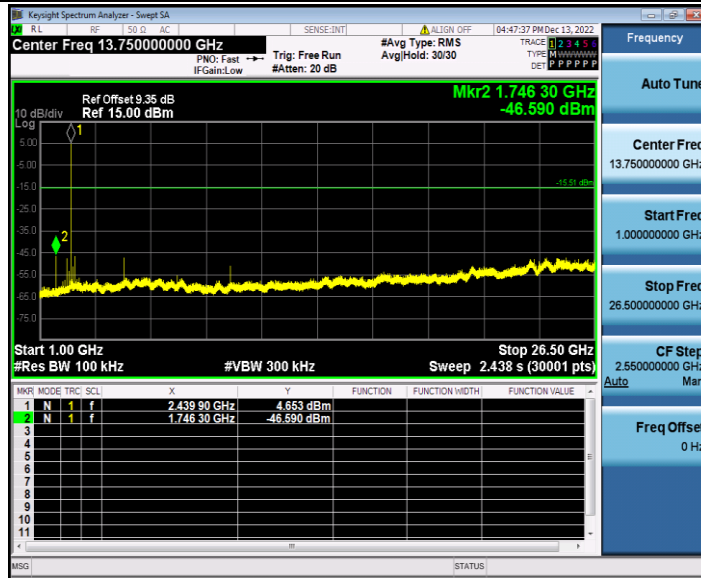
BLE_Ant1_2440_0-Reference



BLE_Ant1_2440_30-1000



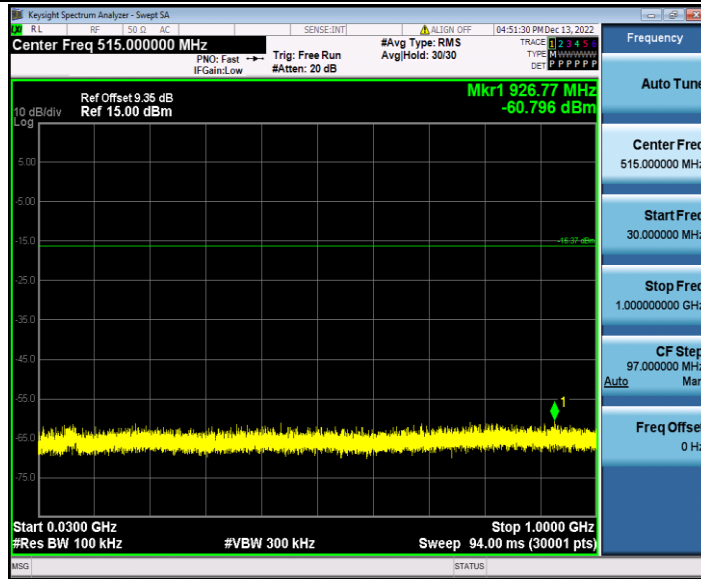
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

