

## **FCC Appendix RF Test Data**

**FCC ID** : 2BMHLX1PRO

**Company:** : JOY MORE TRADE LIMITED

**EUT** : Smart Media Player

**Model Number** : StreamX X1Pro

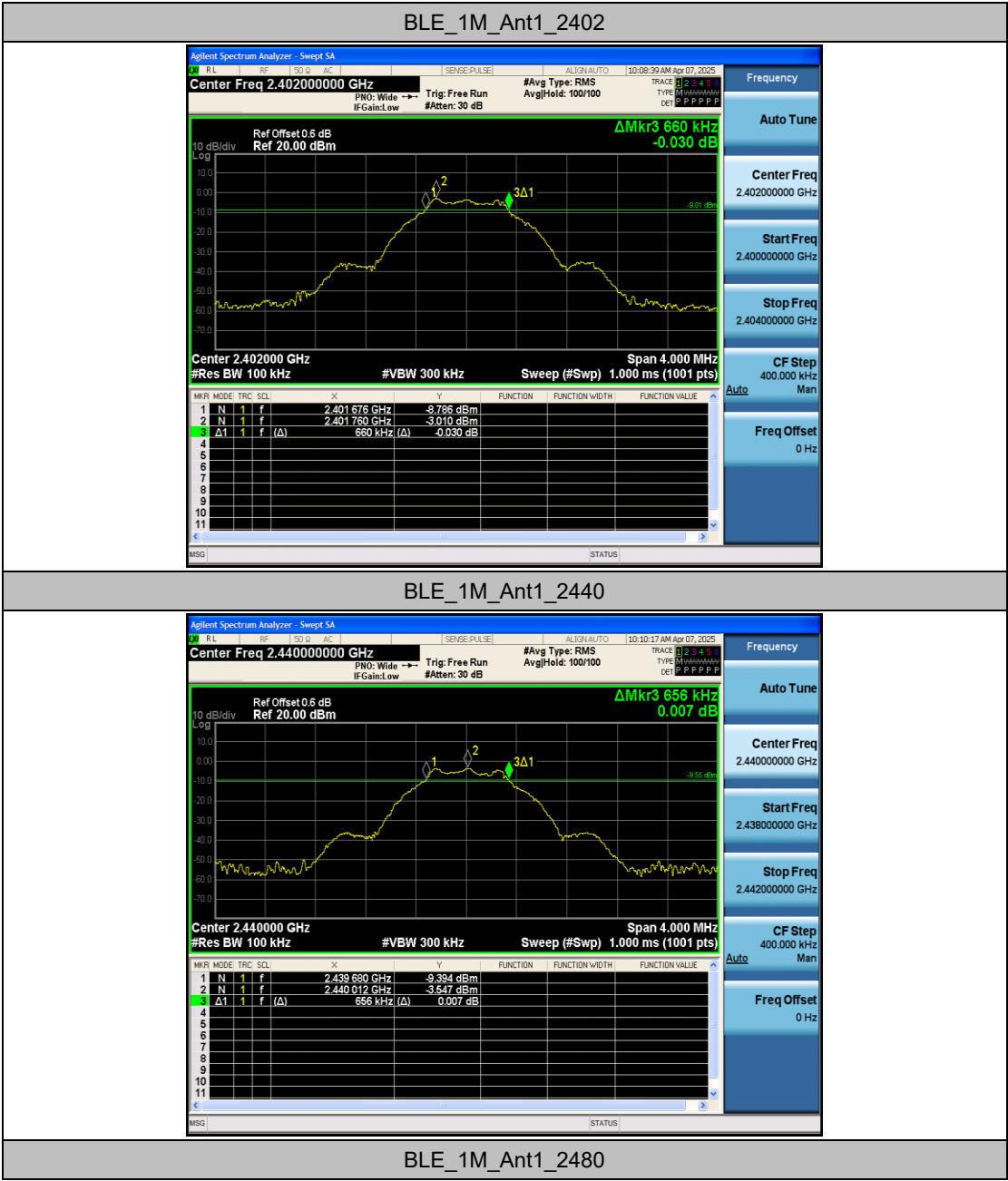
**Reviewed By** : Eric Wang

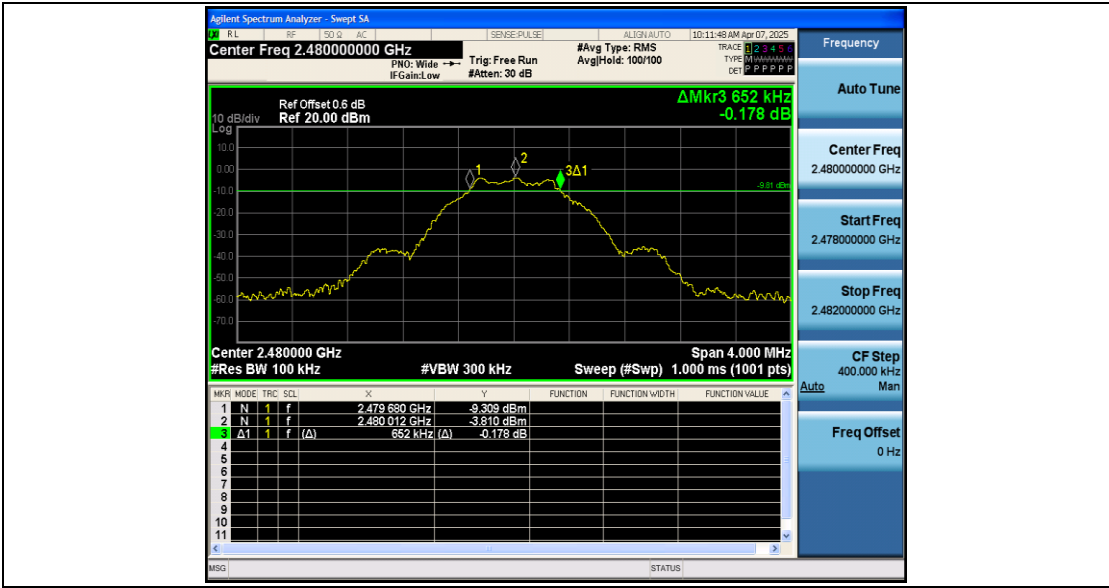
## Appendix A: DTS Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|-----------|-----------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402      | 0.660           | 2401.676 | 2402.336 | 0.5        | PASS    |
|          |         | 2440      | 0.656           | 2439.680 | 2440.336 | 0.5        | PASS    |
|          |         | 2480      | 0.652           | 2479.680 | 2480.332 | 0.5        | PASS    |

Test Graphs



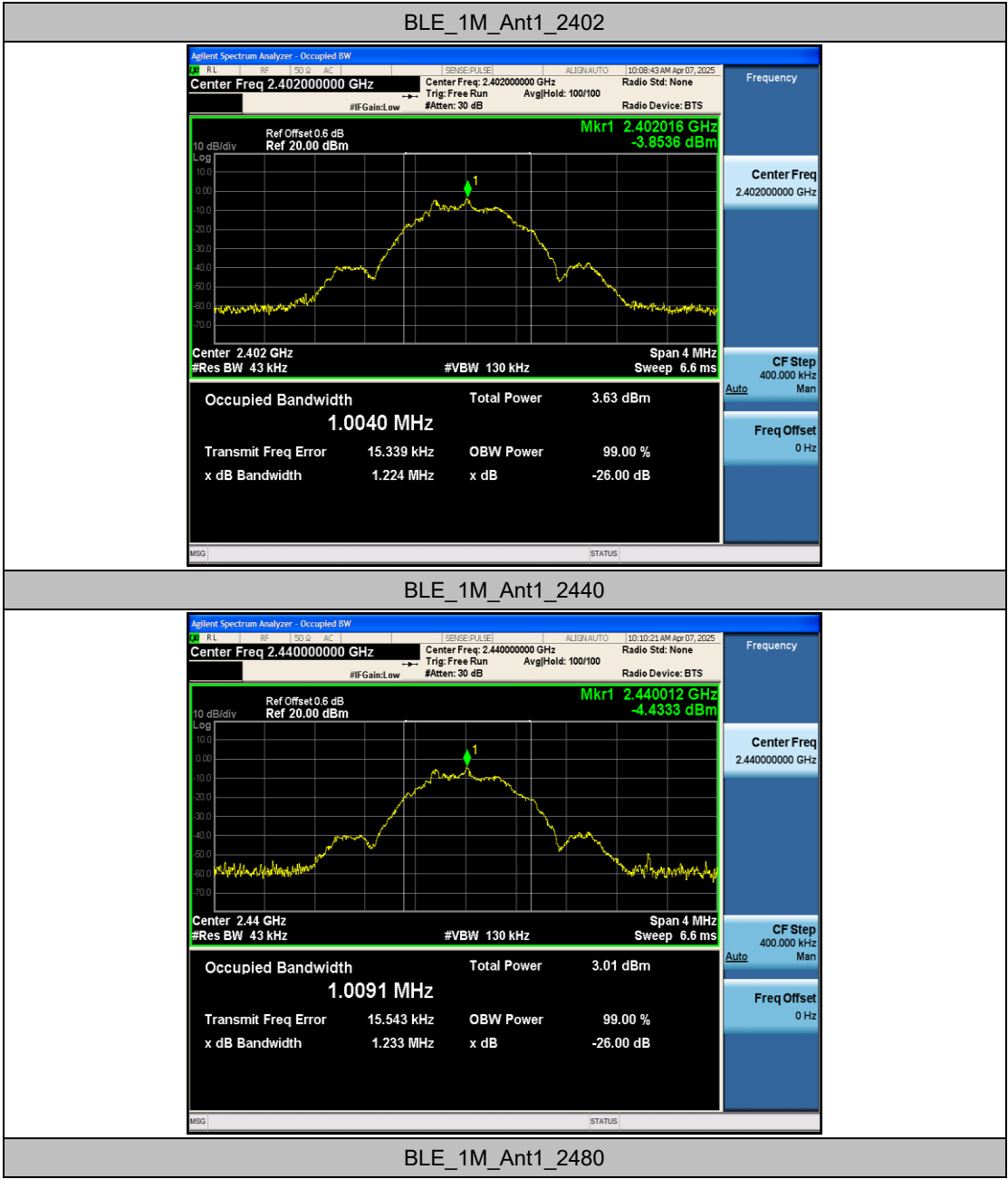


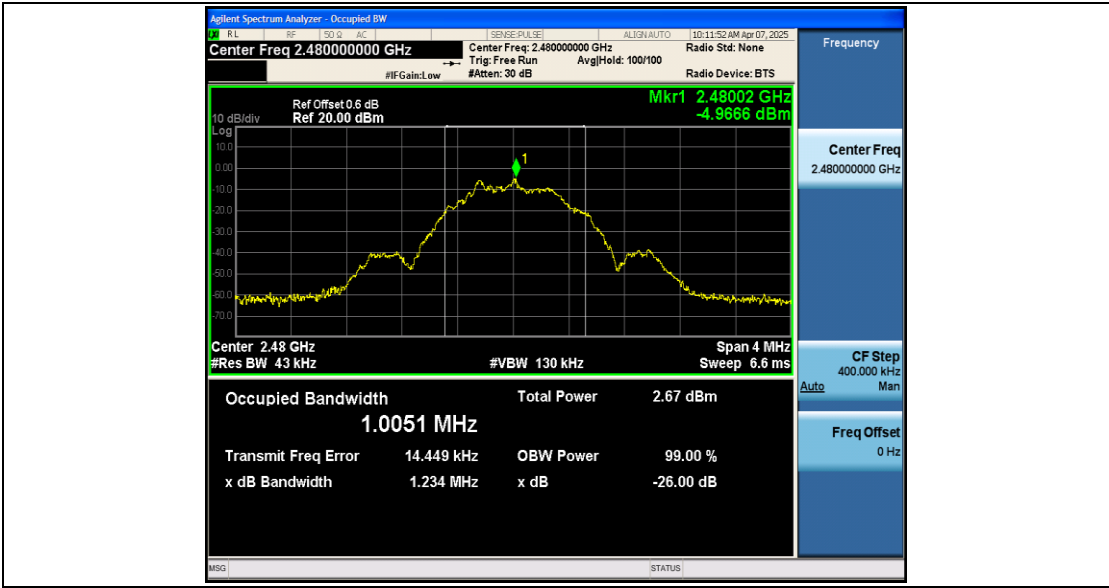
## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|-----------|-----------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402      | 1.0040    | 2401.5133 | 2402.5173 | ---        | ---     |
|          |         | 2440      | 1.0091    | 2439.5110 | 2440.5201 | ---        | ---     |
|          |         | 2480      | 1.0051    | 2479.5119 | 2480.5170 | ---        | ---     |

Test Graphs





## Appendix C: Maximum conducted output power

### Test Result Peak

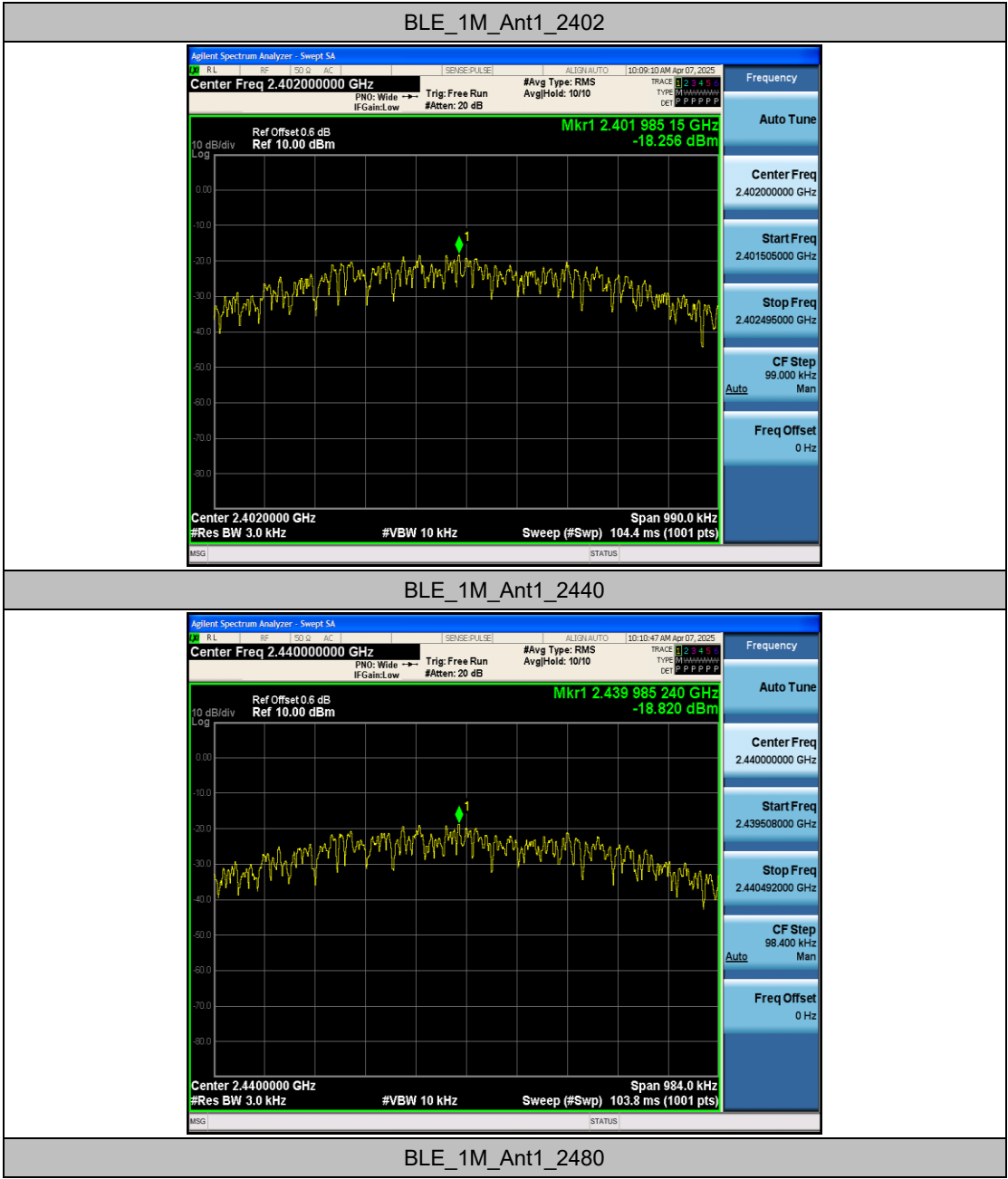
| TestMode | Antenna | Freq(MHz) | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|-----------|---------------------------|----------------------|---------|
| BLE_1M   | Ant1    | 2402      | -2.59                     | ≤30                  | PASS    |
|          |         | 2440      | -3.10                     | ≤30                  | PASS    |
|          |         | 2480      | -3.50                     | ≤30                  | PASS    |

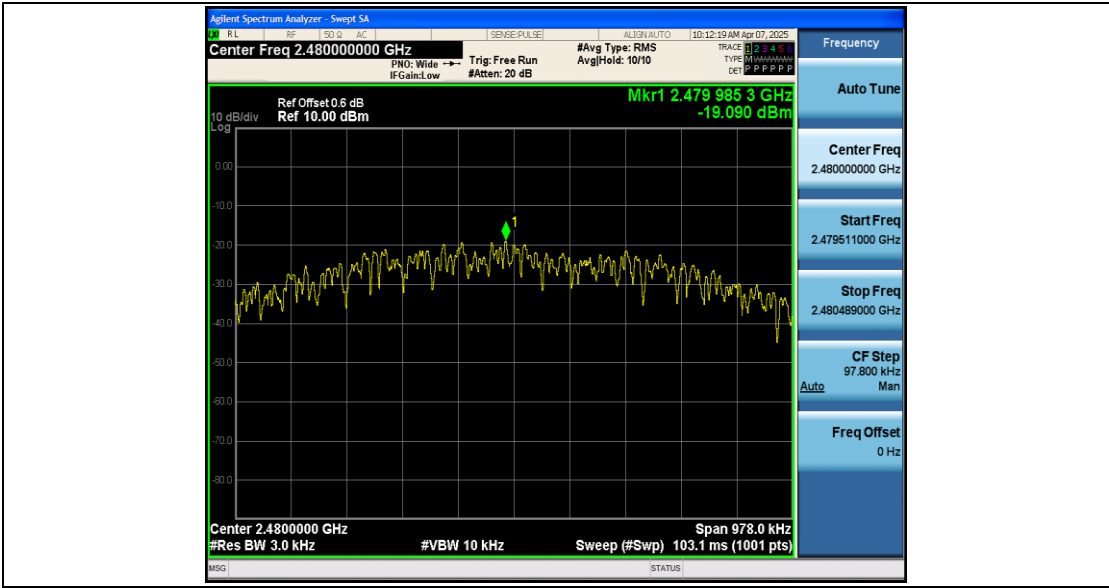
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Freq(MHz) | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|-----------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402      | -18.26           | ≤8.00           | PASS    |
|          |         | 2440      | -18.82           | ≤8.00           | PASS    |
|          |         | 2480      | -19.09           | ≤8.00           | PASS    |

Test Graphs



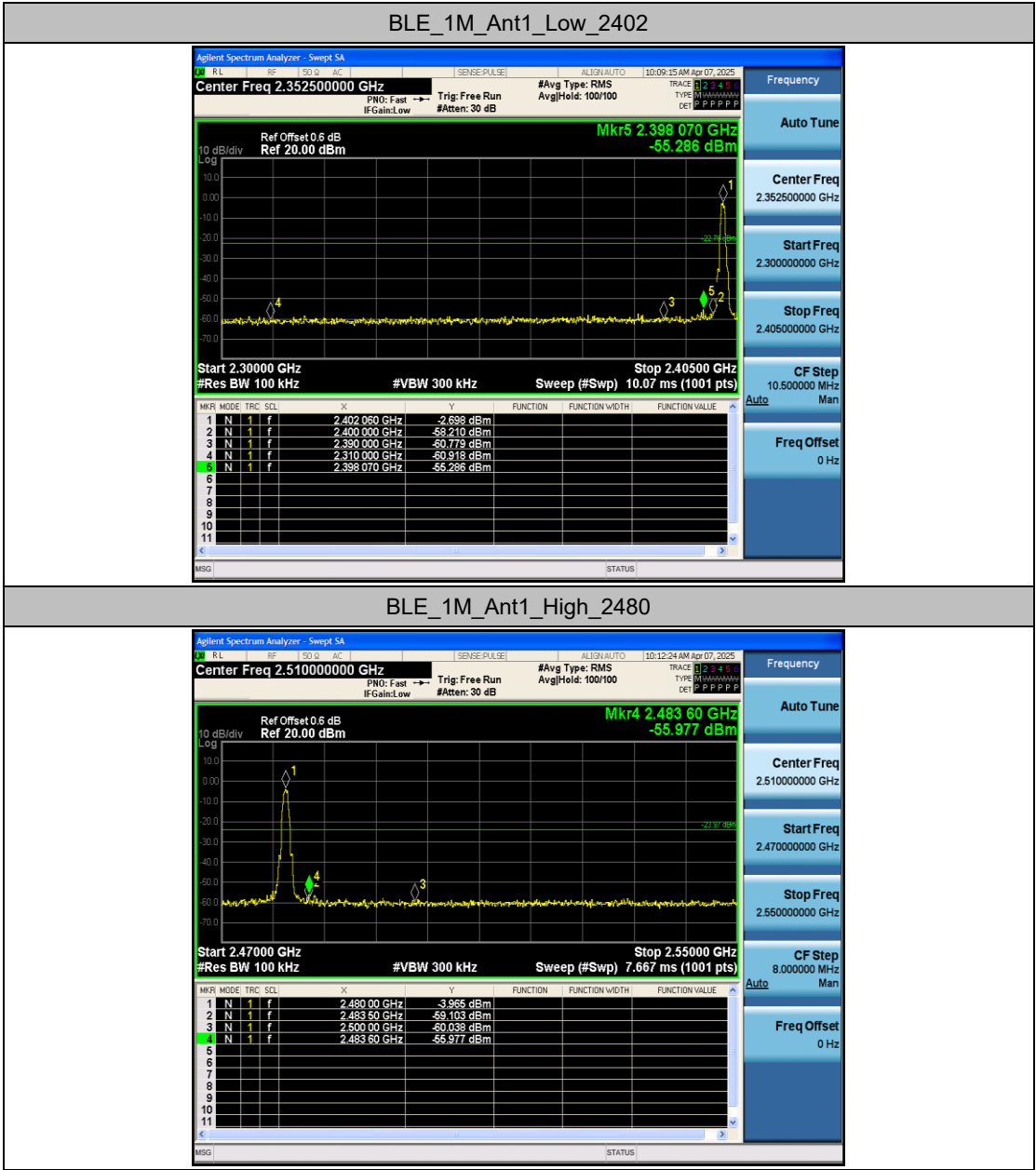


## Appendix E: Band edge measurements

### Test Result

| TestMod<br>e | Antenn<br>a | ChNam<br>e | Freq(MHz<br>) | RefLevel[dBm<br>] | Result[dBm<br>] | Limit[dBm<br>] | Verdic<br>t |
|--------------|-------------|------------|---------------|-------------------|-----------------|----------------|-------------|
| BLE_1M       | Ant1        | Low        | 2402          | -2.70             | -55.29          | ≤-22.7         | PASS        |
|              |             | High       | 2480          | -3.97             | -55.98          | ≤-23.97        | PASS        |

# Test Graphs

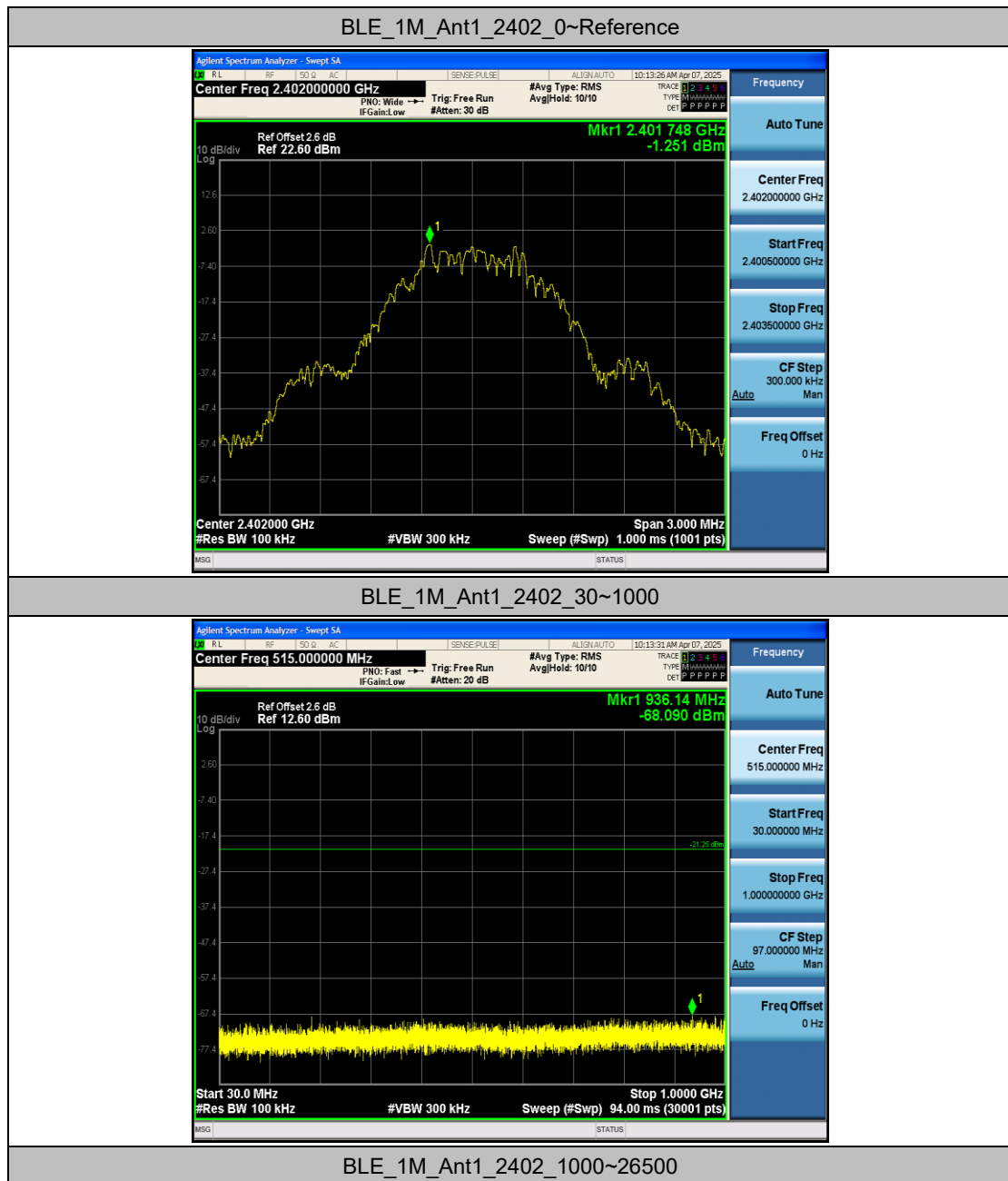


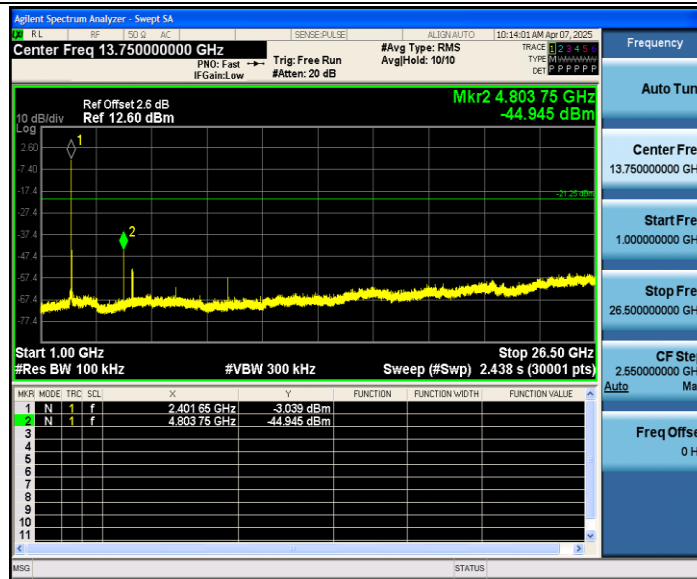
## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Freq(MHz) | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|-----------|--------------------|-------------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402      | Reference          | -1.25             | -1.25       | ---        | PASS    |
|          |         |           | 30~1000            | -1.25             | -68.09      | ≤-21.25    | PASS    |
|          |         |           | 1000~26500         | -1.25             | -44.95      | ≤-21.25    | PASS    |
|          |         | 2440      | Reference          | -2.28             | -2.28       | ---        | PASS    |
|          |         |           | 30~1000            | -2.28             | -67.72      | ≤-22.28    | PASS    |
|          |         |           | 1000~26500         | -2.28             | -45.75      | ≤-22.28    | PASS    |
|          |         | 2480      | Reference          | -1.92             | -1.92       | ---        | PASS    |
|          |         |           | 30~1000            | -1.92             | -67.34      | ≤-21.92    | PASS    |
|          |         |           | 1000~26500         | -1.92             | -42.94      | ≤-21.92    | PASS    |

## Test Graphs

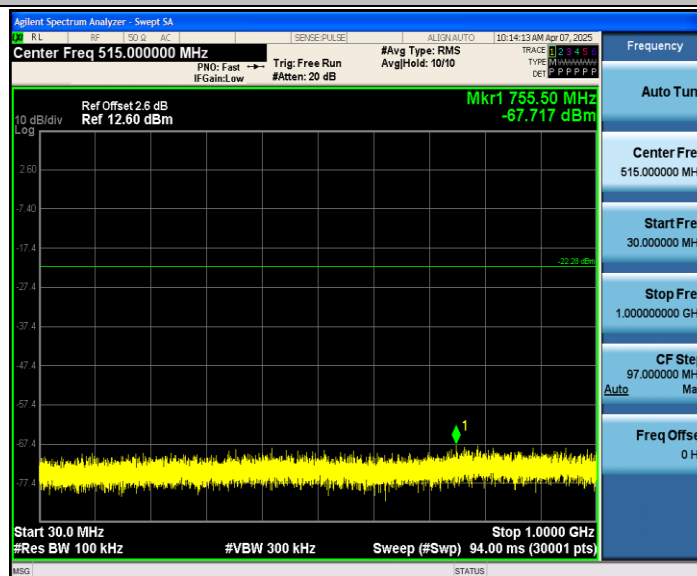




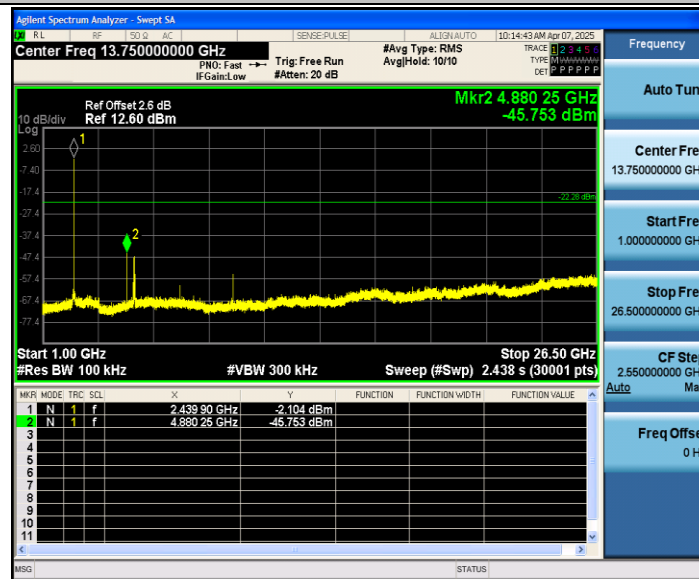
BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



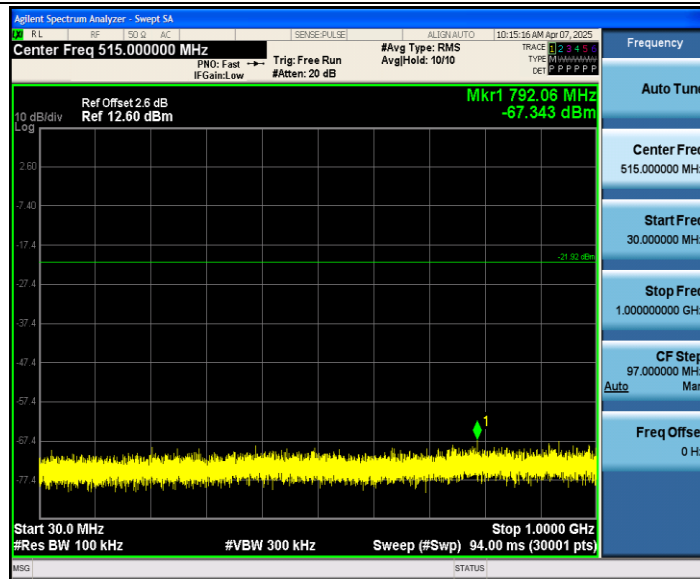
# BLE\_1M\_Ant1\_2440\_1000~26500



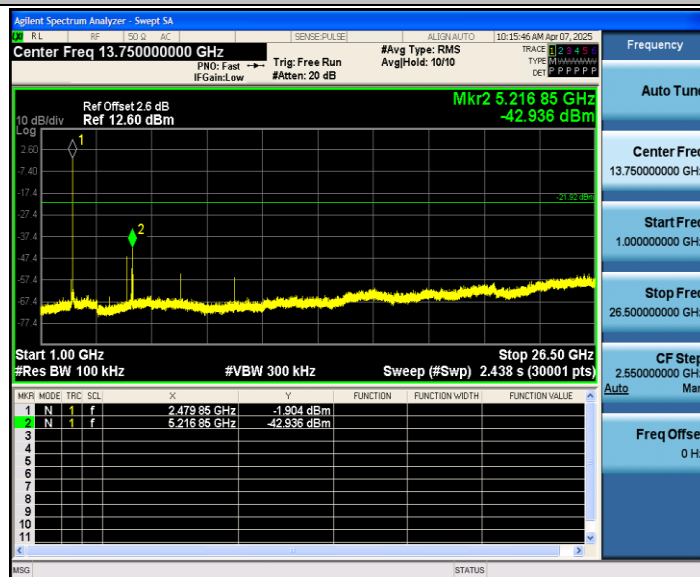
# BLE\_1M\_Ant1\_2480\_0~Reference



# BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500



## Appendix J: Duty Cycle

### Test Result

| TestMode | Antenna | Freq(MHz) | ON Time<br>[ms] | Period<br>[ms] | X      | DC<br>[%] | xFactor | Limit | Verdict |
|----------|---------|-----------|-----------------|----------------|--------|-----------|---------|-------|---------|
| BLE_1M   | Ant1    | 2402      | 0.41            | 0.63           | 0.6508 | 65.08     | 1.87    | ---   | ---     |
|          |         | 2440      | 0.41            | 0.63           | 0.6508 | 65.08     | 1.87    | ---   | ---     |
|          |         | 2480      | 0.41            | 0.63           | 0.6508 | 65.08     | 1.87    | ---   | ---     |

Test Graphs

