

## **Appendix for BLE mode**

Product Name: AVID

Model No: AVID1

## Appendix A: DTS Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.672           | 2401.668 | 2402.340 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2440           | 0.724           | 2439.648 | 2440.372 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2480           | 0.676           | 2479.680 | 2480.356 | 0.5        | PASS    |

## Test Graphs

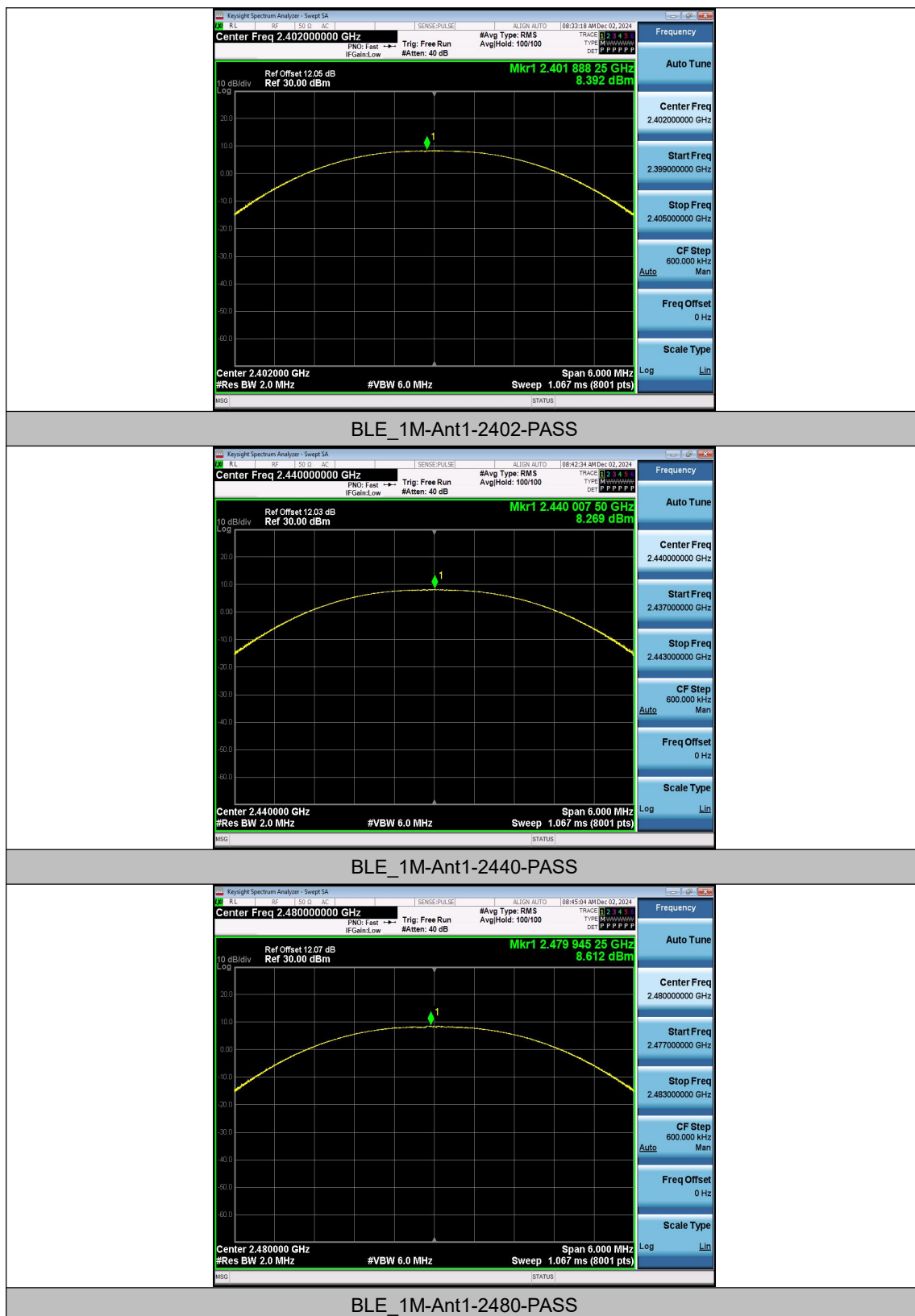


## Appendix B: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency<br>[MHz] | Conducted Peak<br>Power[dBm] | Conducted<br>Limit[dBm] | Verdict |
|----------|---------|--------------------|------------------------------|-------------------------|---------|
| BLE_1M   | Ant1    | 2402               | 8.39                         | ≤30                     | PASS    |
| BLE_1M   | Ant1    | 2440               | 8.27                         | ≤30                     | PASS    |
| BLE_1M   | Ant1    | 2480               | 8.61                         | ≤30                     | PASS    |

## Test Graphs Peak

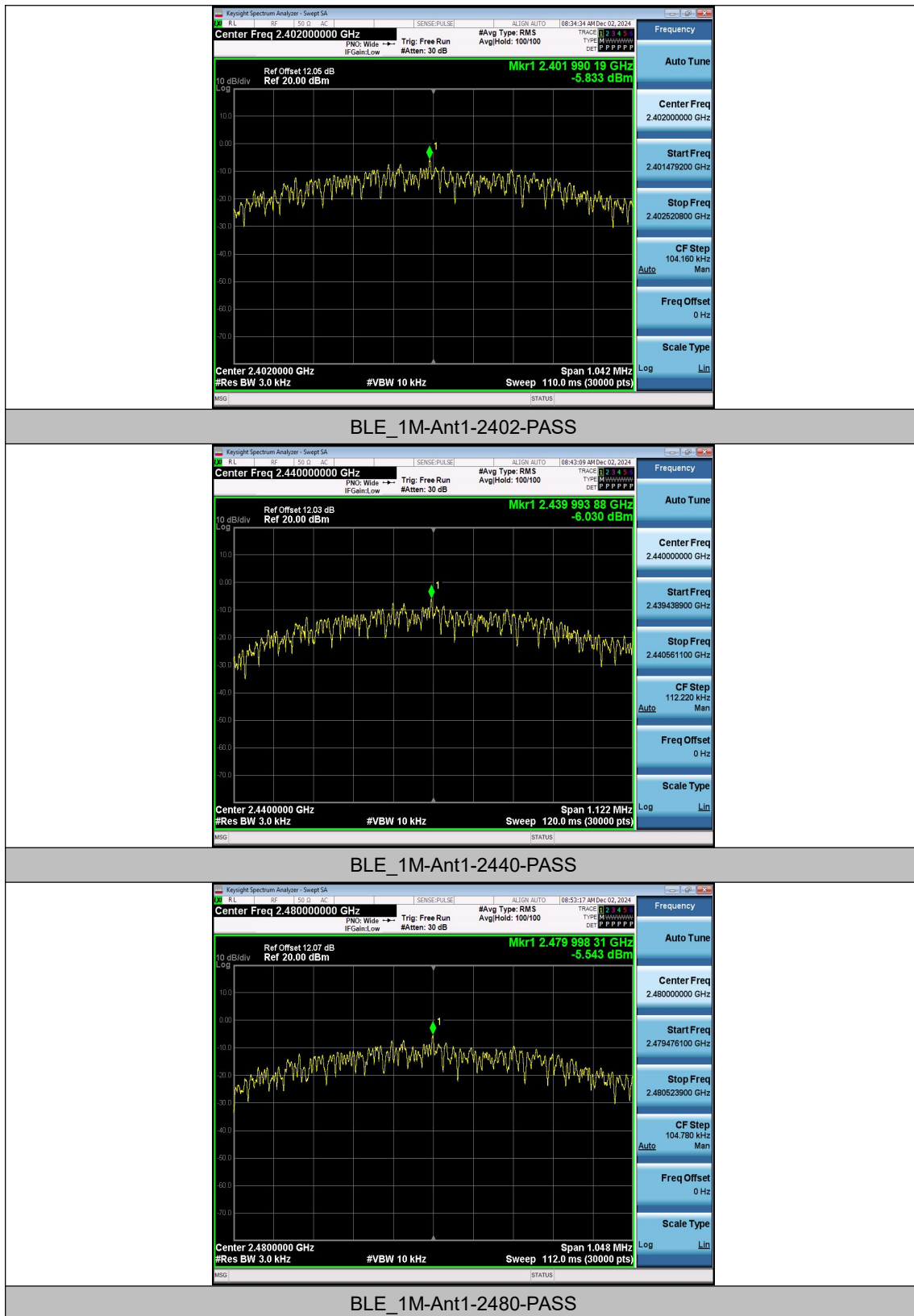


## Appendix C: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -5.83            | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -6.03            | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -5.54            | ≤8.00           | PASS    |

## Test Graphs



## Appendix D: Reference level measurement

### Test Result

| TestMode | Antenna | Freq(MHz) | Max.Point[MHz] | Result[dBm] |
|----------|---------|-----------|----------------|-------------|
| BLE_1M   | Ant1    | 2402      | 2401.99        | 7.54        |
| BLE_1M   | Ant1    | 2440      | 2439.99        | 7.37        |
| BLE_1M   | Ant1    | 2480      | 2480.00        | 7.79        |

## Test Graphs



## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Frequency<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------|--------------------|-------------------|-----------------|----------------|---------|
| BLE_1M   | Ant1    | Low    | 2402               | 7.54              | -47.19          | $\leq -12.46$  | PASS    |
| BLE_1M   | Ant1    | High   | 2480               | 7.79              | -46.87          | $\leq -12.21$  | PASS    |

Test Graphs



## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency<br>[MHz] | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------------------|--------------------|-------------------|-----------------|----------------|---------|
| BLE_1M   | Ant1    | 2402               | 30~1000            | 7.54              | -54.35          | ≤-12.46        | PASS    |
| BLE_1M   | Ant1    | 2402               | 1000~26500         | 7.54              | -43.81          | ≤-12.46        | PASS    |
| BLE_1M   | Ant1    | 2440               | 30~1000            | 7.37              | -55.05          | ≤-12.63        | PASS    |
| BLE_1M   | Ant1    | 2440               | 1000~26500         | 7.37              | -44.13          | ≤-12.63        | PASS    |
| BLE_1M   | Ant1    | 2480               | 30~1000            | 7.79              | -55.69          | ≤-12.21        | PASS    |
| BLE_1M   | Ant1    | 2480               | 1000~26500         | 7.79              | -43.83          | ≤-12.21        | PASS    |

## Test Graphs

