

## **Appendix for Bluetooth BLE mode**

Product Name: Smart Tablet

Model No: T3V-B01

## 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           | 0.684           | 2401.656 | 2402.340 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2440           | 0.680           | 2439.664 | 2440.344 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2480           | 0.656           | 2479.672 | 2480.328 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2402           | 1.176           | 2401.424 | 2402.600 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2440           | 1.236           | 2439.360 | 2440.596 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2480           | 1.140           | 2479.452 | 2480.592 | 0.5        | PASS    |

## Test Graphs



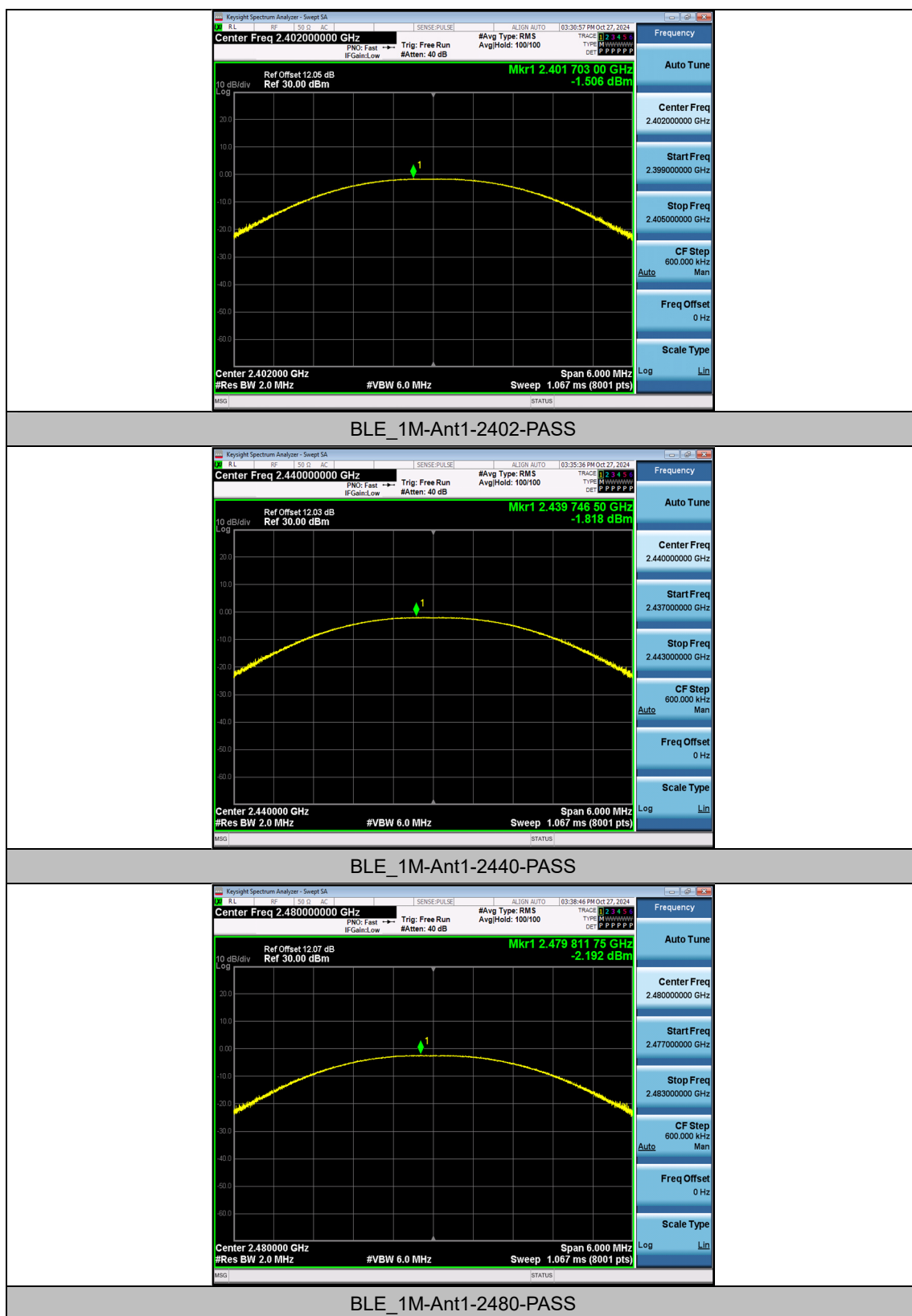


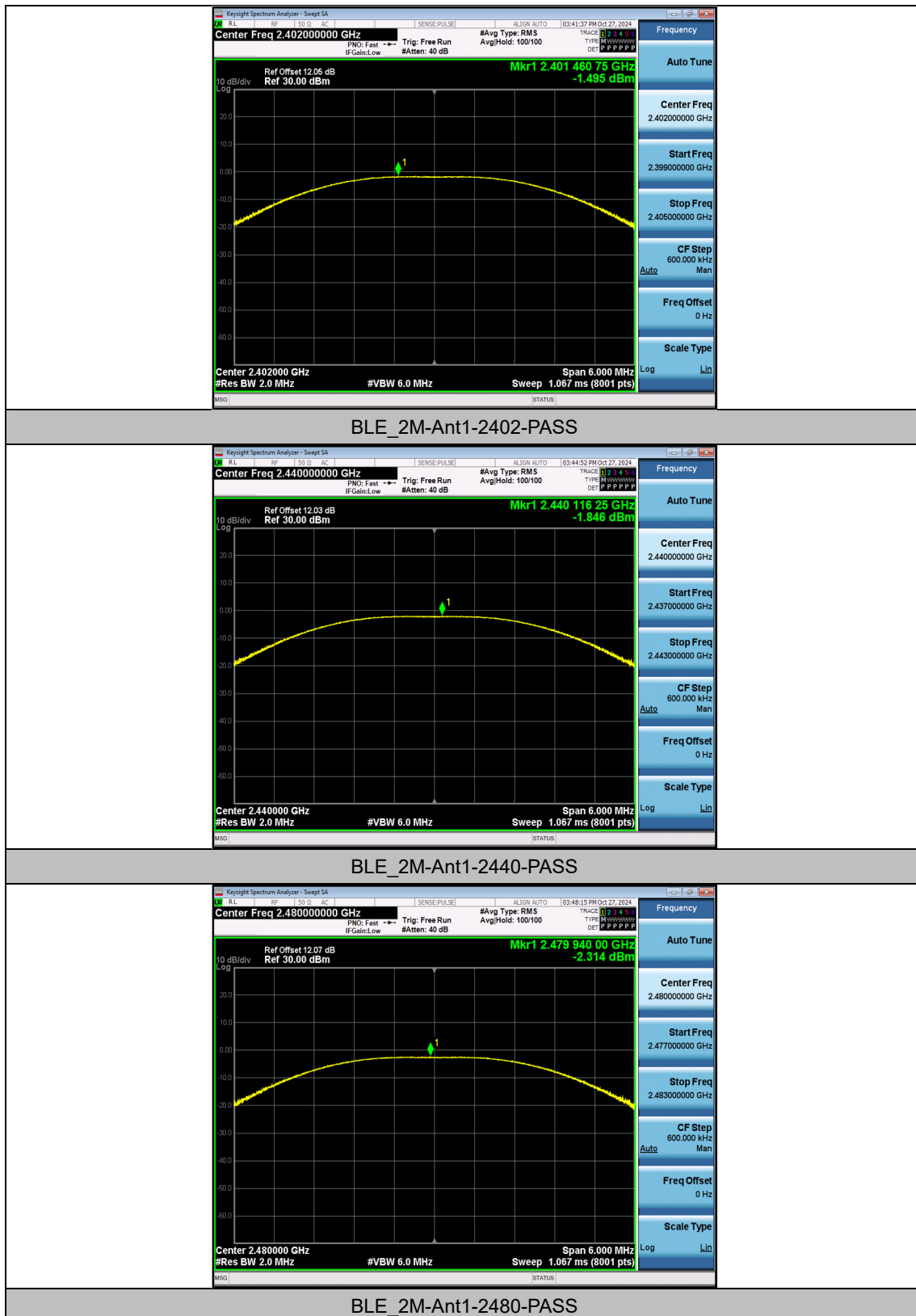
## Appendix B: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted<br>Peak<br>Power[dBm] | Conducted<br>Limit[dBm] | EIRP[dBm] | EIRP<br>Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------------|-------------------------|-----------|--------------------|---------|
| BLE_1M   | Ant1    | 2402           | -1.51                           | ≤30                     | -1.51     | ≤36                | PASS    |
| BLE_1M   | Ant1    | 2440           | -1.82                           | ≤30                     | -1.82     | ≤36                | PASS    |
| BLE_1M   | Ant1    | 2480           | -2.19                           | ≤30                     | -2.19     | ≤36                | PASS    |
| BLE_2M   | Ant1    | 2402           | -1.50                           | ≤30                     | -1.50     | ≤36                | PASS    |
| BLE_2M   | Ant1    | 2440           | -1.85                           | ≤30                     | -1.85     | ≤36                | PASS    |
| BLE_2M   | Ant1    | 2480           | -2.31                           | ≤30                     | -2.31     | ≤36                | PASS    |

## Test Graphs Peak





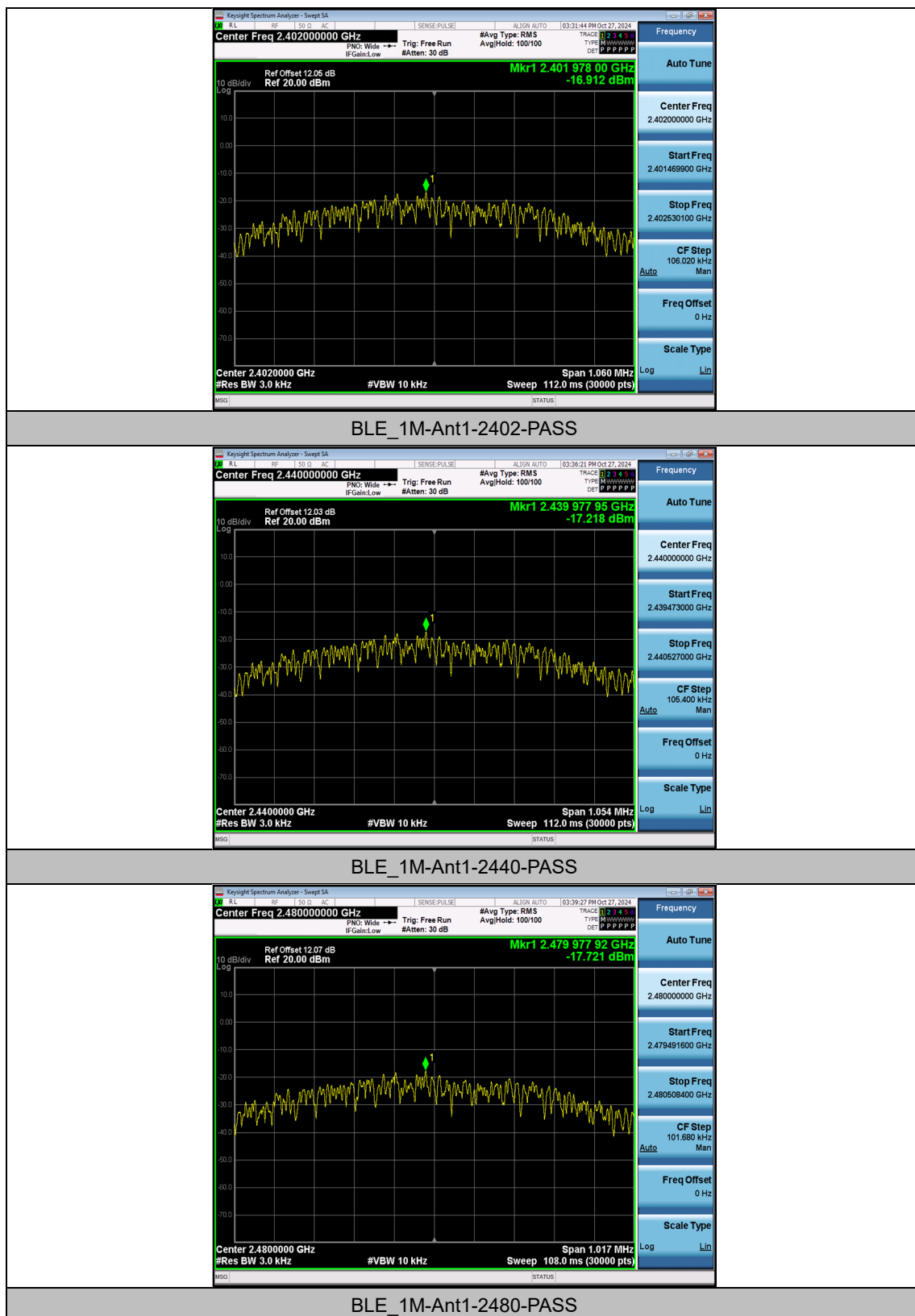
## Appendix C: Maximum power spectral density

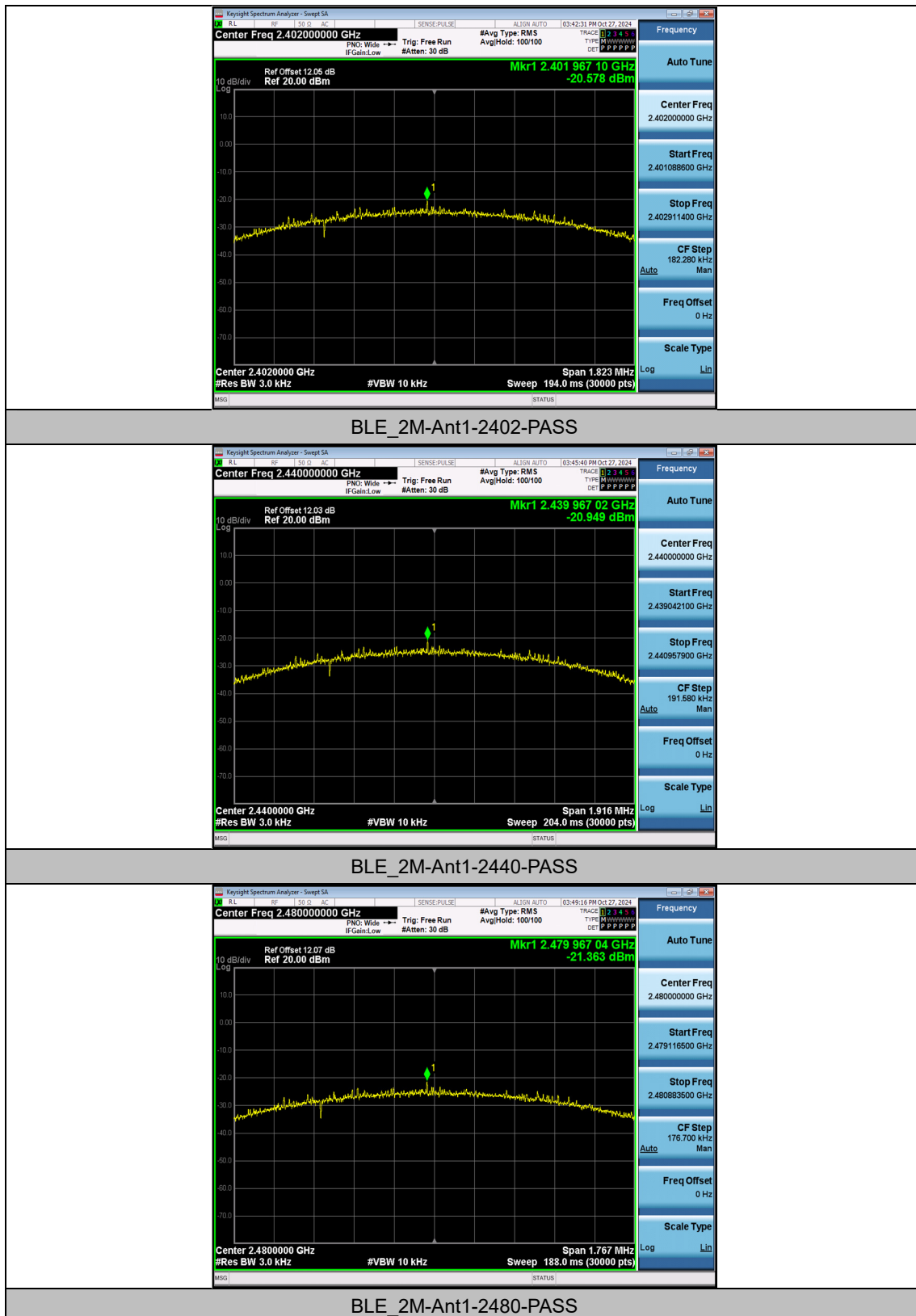
### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -16.91           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -17.22           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -17.72           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402           | -20.58           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2440           | -20.95           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2480           | -21.36           | ≤8.00           | PASS    |



## Test Graphs



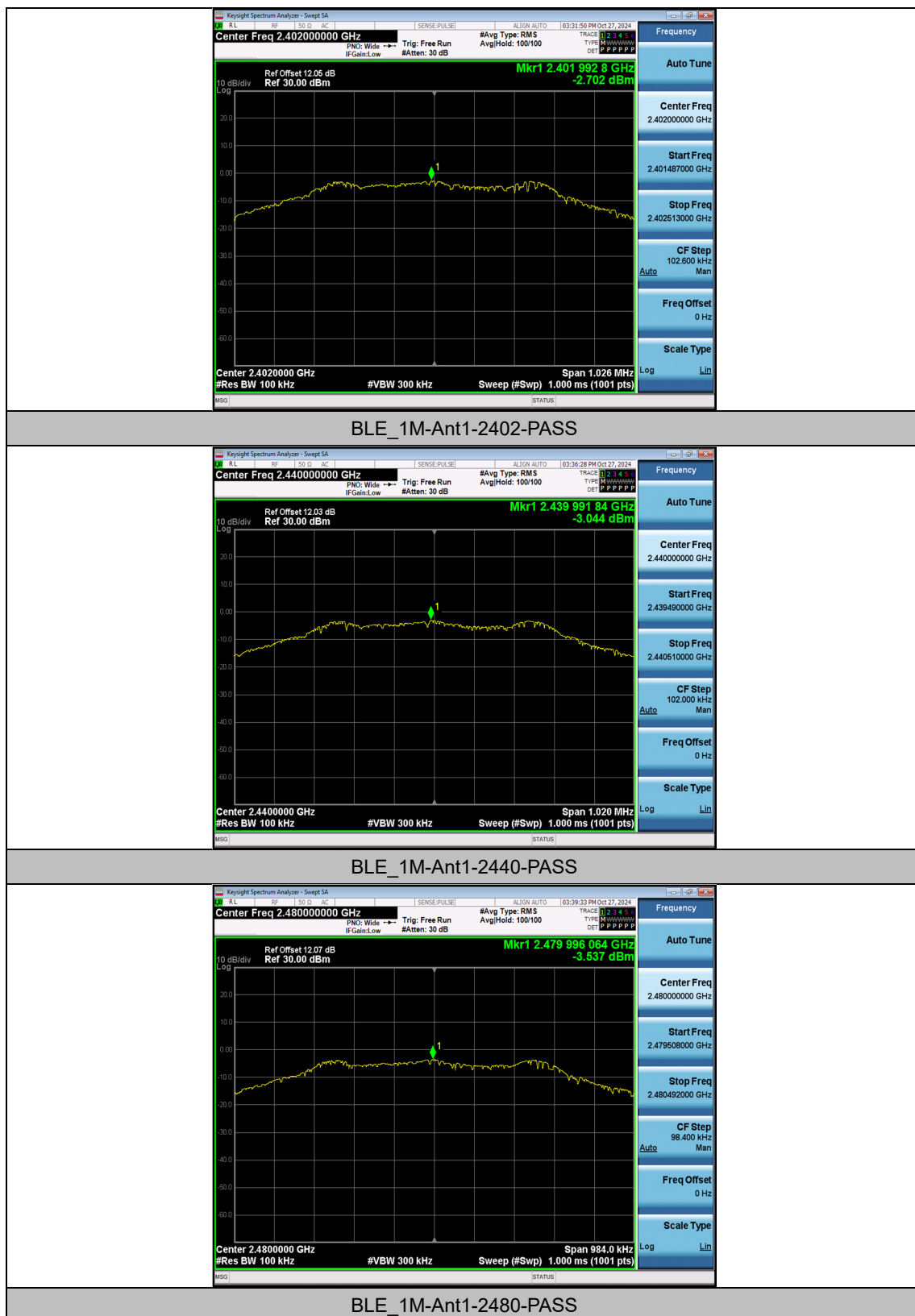


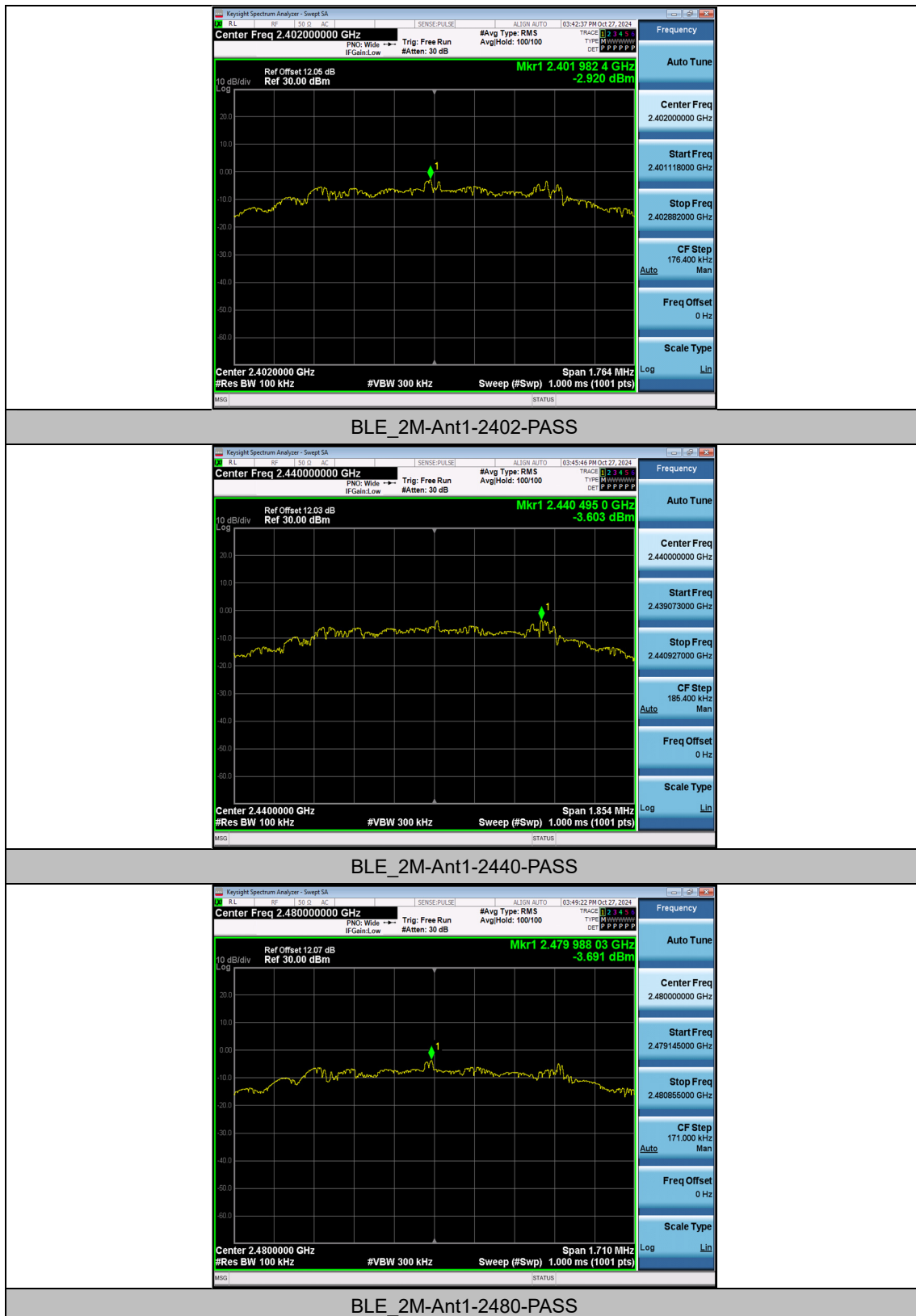
## Appendix D: Reference level measurement

### Test Result

| TestMode | Antenna | Freq(MHz) | Max.Point[MHz] | Result[dBm] |
|----------|---------|-----------|----------------|-------------|
| BLE_1M   | Ant1    | 2402      | 2401.99        | -2.70       |
| BLE_1M   | Ant1    | 2440      | 2439.99        | -3.04       |
| BLE_1M   | Ant1    | 2480      | 2480.00        | -3.54       |
| BLE_2M   | Ant1    | 2402      | 2401.98        | -2.92       |
| BLE_2M   | Ant1    | 2440      | 2440.50        | -3.60       |
| BLE_2M   | Ant1    | 2480      | 2479.99        | -3.69       |

## 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               | -2.70             | -46.55          | $\leq -22.7$   | PASS    |
| BLE_1M   | Ant1    | High   | 2480               | -3.54             | -47.45          | $\leq -23.54$  | PASS    |
| BLE_2M   | Ant1    | Low    | 2402               | -2.92             | -37.74          | $\leq -22.92$  | PASS    |
| BLE_2M   | Ant1    | High   | 2480               | -3.69             | -46.58          | $\leq -23.69$  | PASS    |