

## Appendix Test Data for BLE (Conducted Measurement)

Product Name: Bluetooth Keyboard

Trade Mark: Dexnor

Test Model: DK010

FCC ID: 2BA3T-DK010

### Environmental Conditions

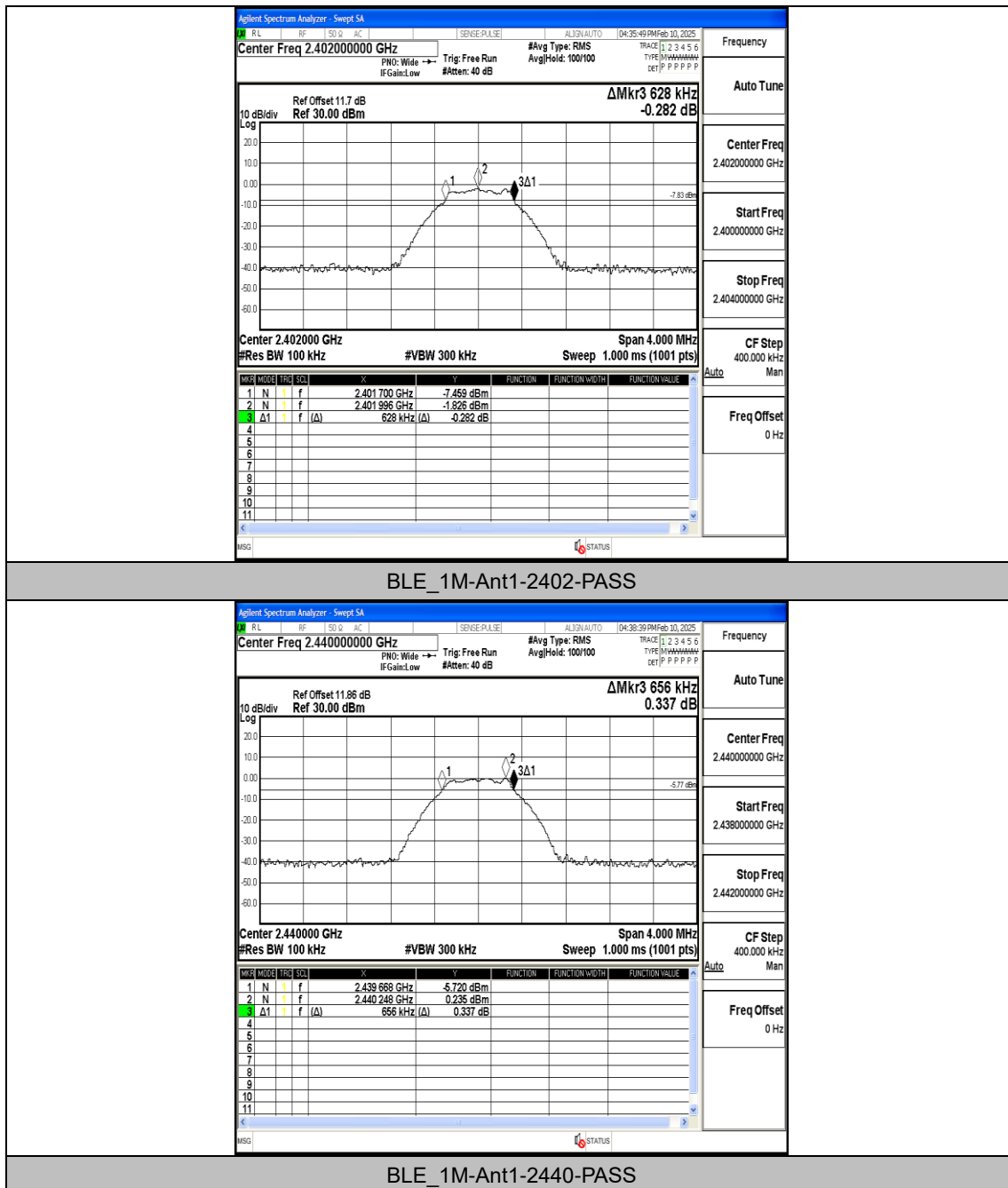
|                    |           |
|--------------------|-----------|
| Temperature:       | 23.5℃     |
| Relative Humidity: | 58%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Allen Lai |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

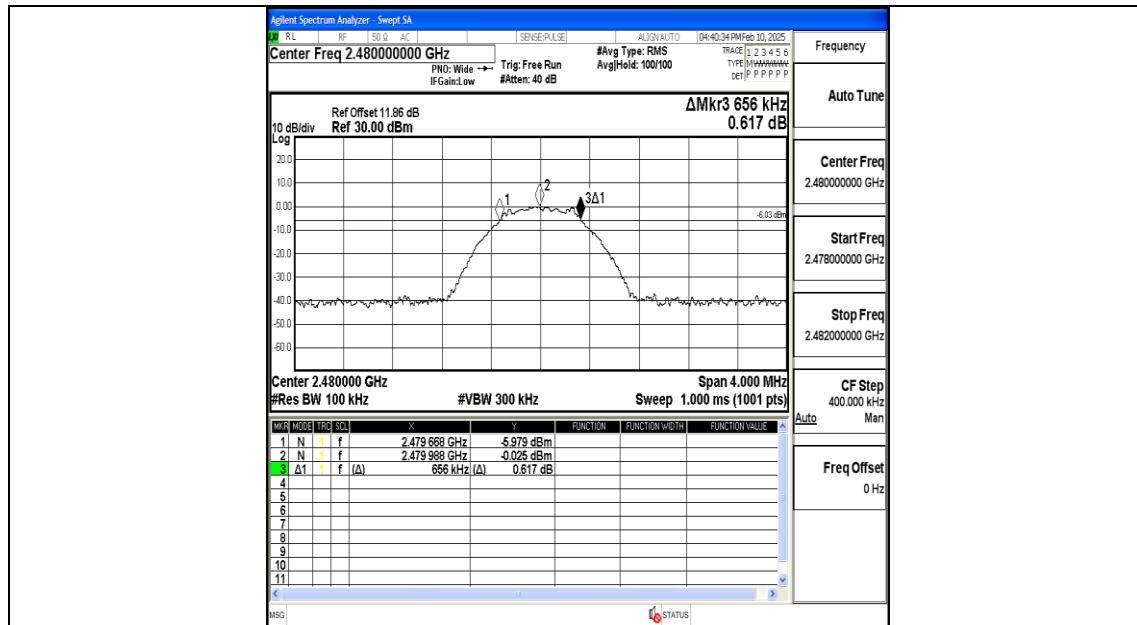
## Appendix A: DTS Bandwidth

### Test Result

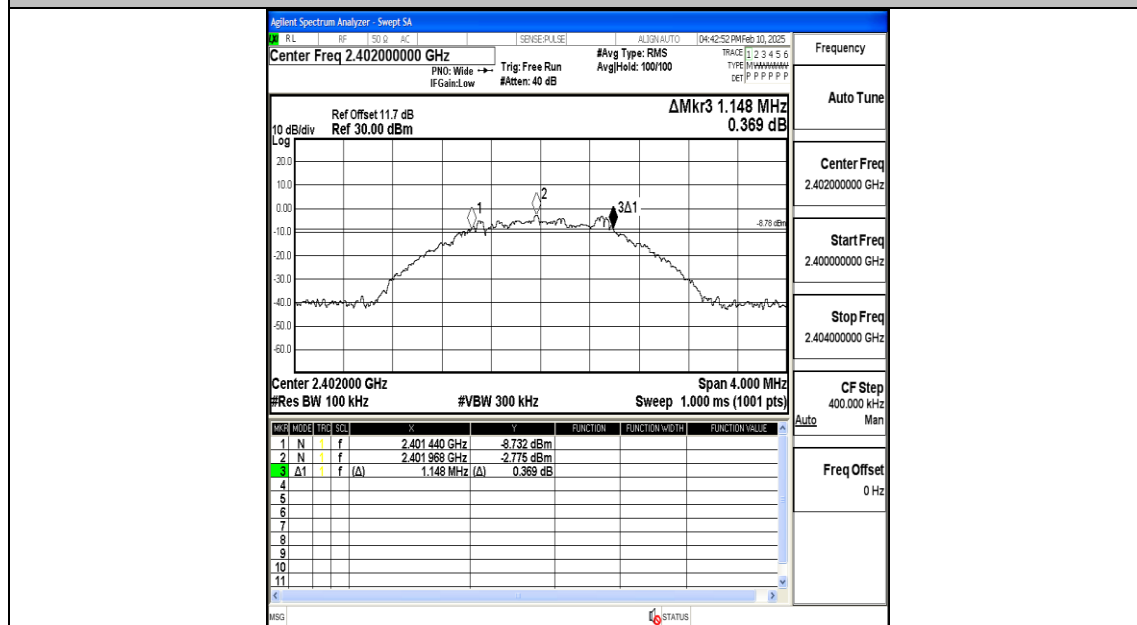
| Test Mode | Antenna | Frequency [MHz] | DTS BW [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|-----------|---------|-----------------|--------------|----------|----------|-------------|---------|
| BLE_1M    | Ant1    | 2402            | 0.628        | 2401.700 | 2402.328 | 0.5         | PASS    |
| BLE_1M    | Ant1    | 2440            | 0.656        | 2439.668 | 2440.324 | 0.5         | PASS    |
| BLE_1M    | Ant1    | 2480            | 0.656        | 2479.668 | 2480.324 | 0.5         | PASS    |
| BLE_2M    | Ant1    | 2402            | 1.148        | 2401.440 | 2402.588 | 0.5         | PASS    |
| BLE_2M    | Ant1    | 2440            | 1.120        | 2439.448 | 2440.568 | 0.5         | PASS    |
| BLE_2M    | Ant1    | 2480            | 1.104        | 2479.460 | 2480.564 | 0.5         | PASS    |

## Test Graphs

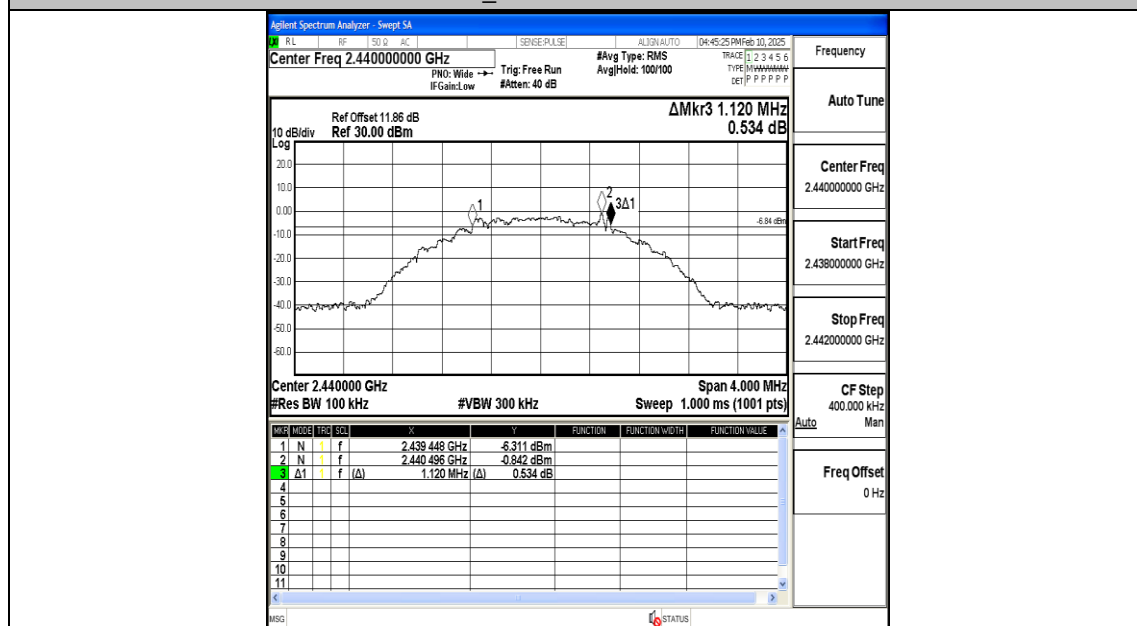




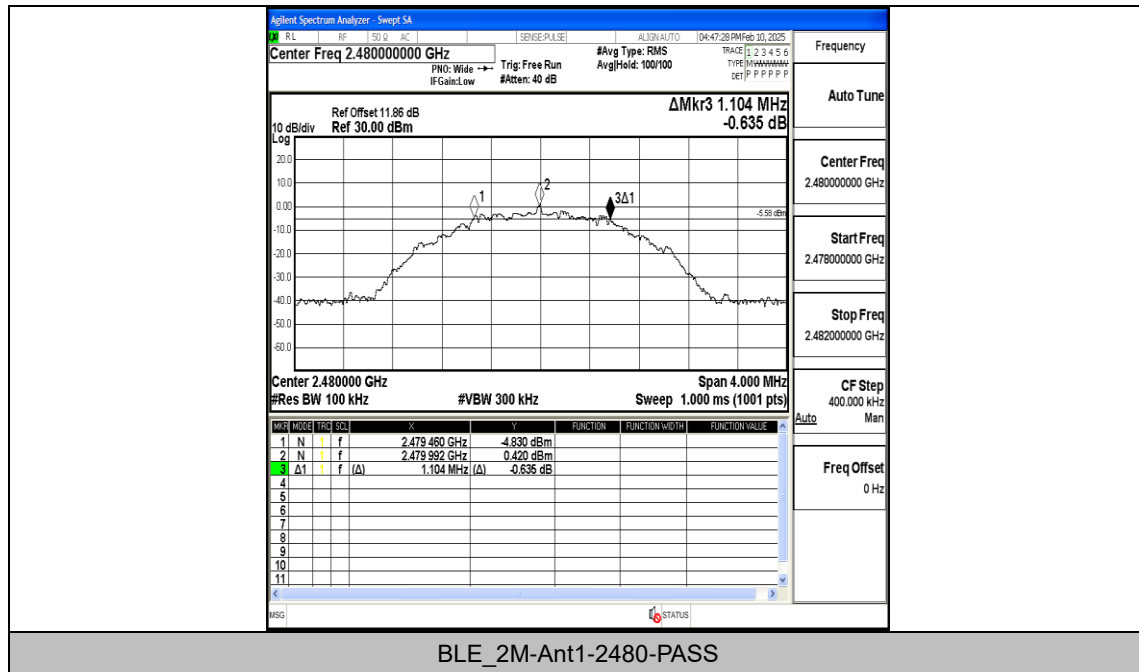
BLE\_1M-Ant1-2480-PASS



BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2440-PASS

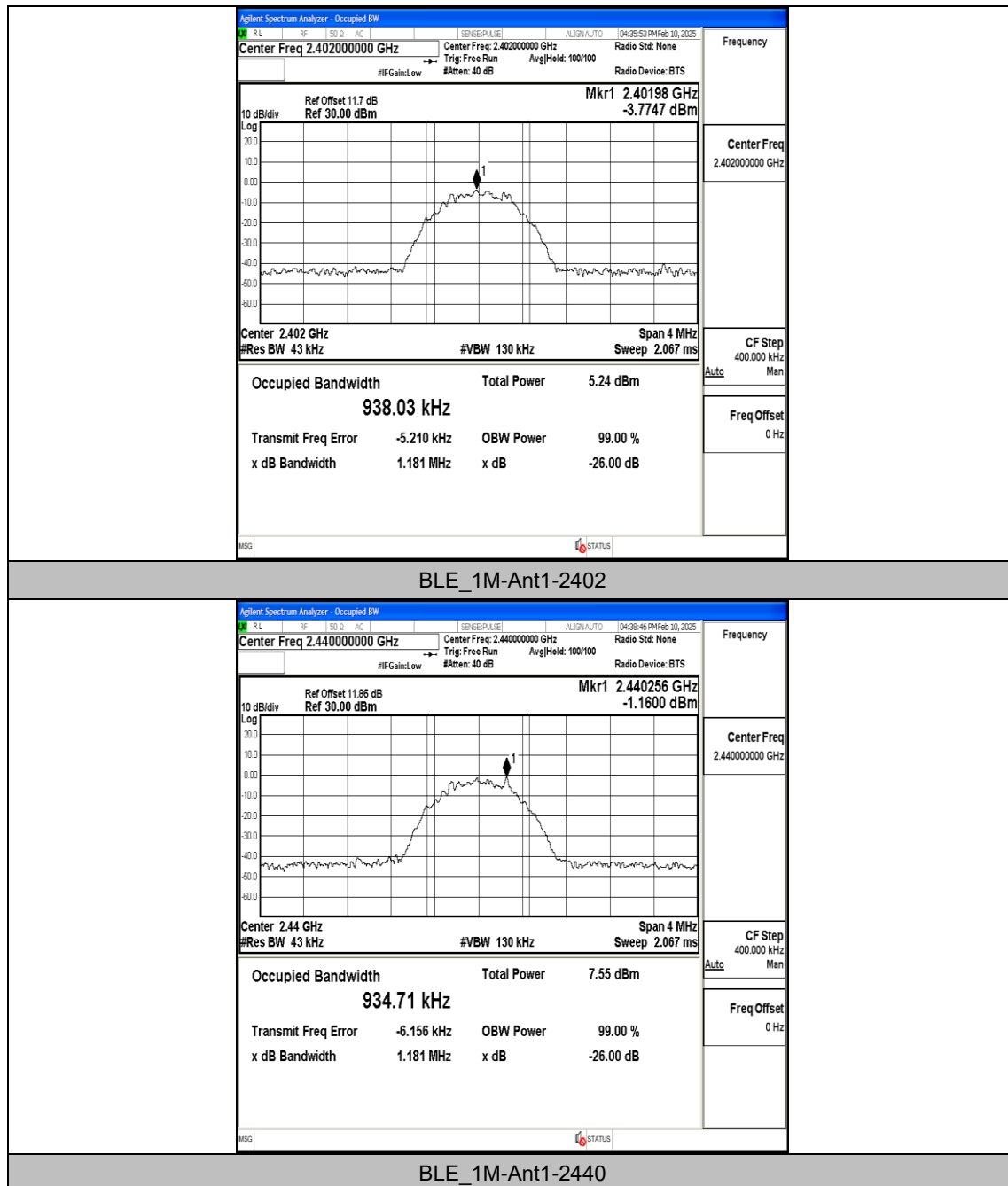


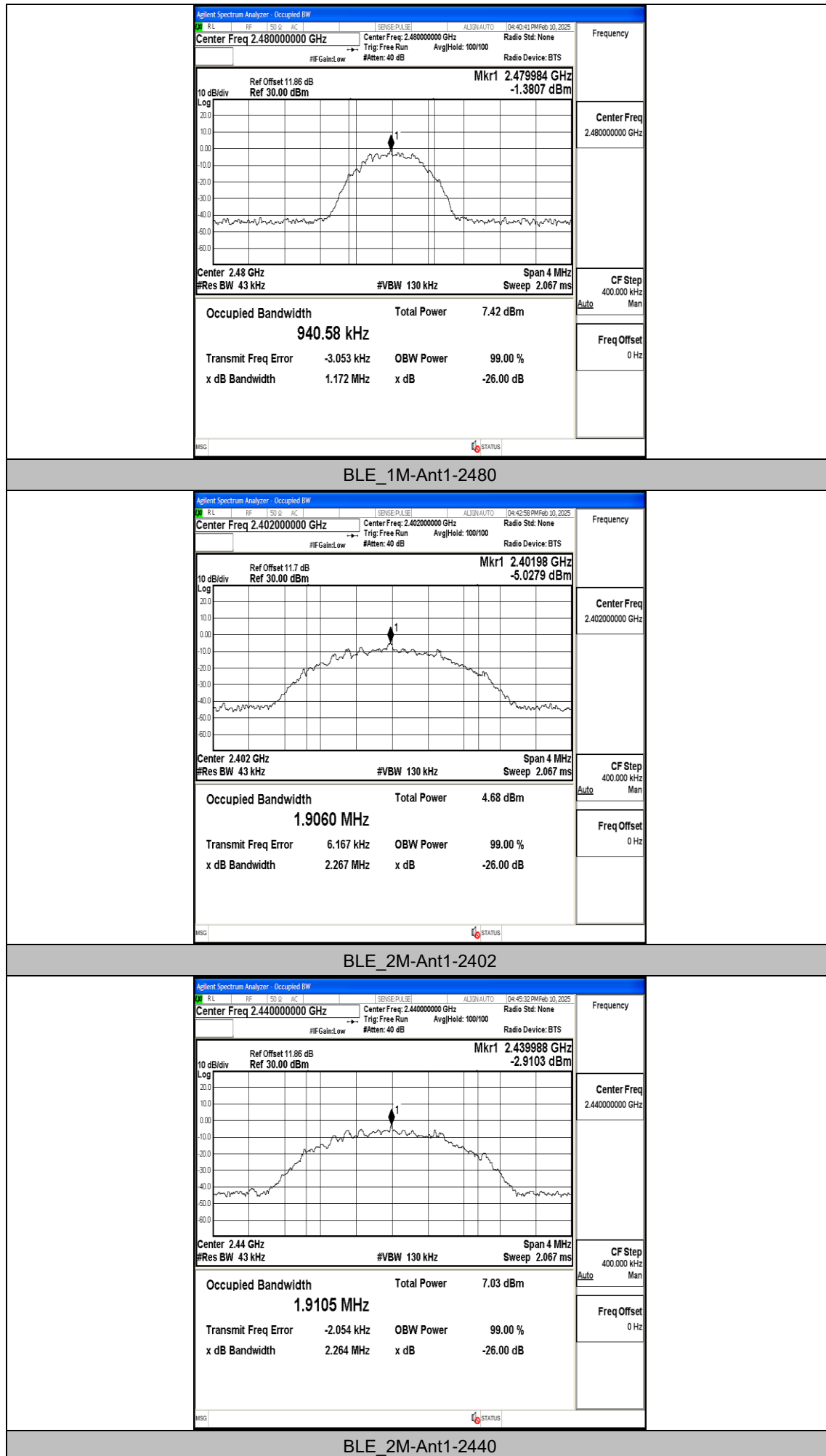
## Appendix B: Occupied Channel Bandwidth

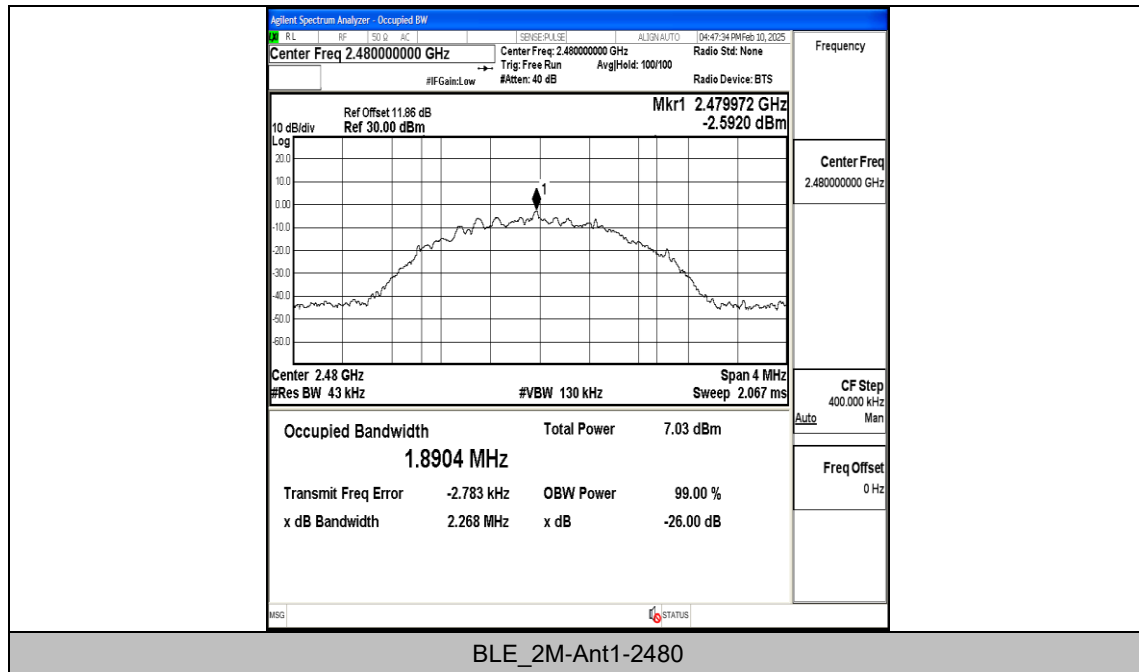
### Test Result

| Test Mode | Antenna | Frequency [MHz] | OCB [MHz] | FL [MHz]  | FH [MHz]  | Limit [MHz] | Verdict |
|-----------|---------|-----------------|-----------|-----------|-----------|-------------|---------|
| BLE_1M    | Ant1    | 2402            | 0.93803   | 2401.5258 | 2402.4638 | ---         | ---     |
| BLE_1M    | Ant1    | 2440            | 0.93471   | 2439.5265 | 2440.4612 | ---         | ---     |
| BLE_1M    | Ant1    | 2480            | 0.94058   | 2479.5267 | 2480.4672 | ---         | ---     |
| BLE_2M    | Ant1    | 2402            | 1.9060    | 2401.0532 | 2402.9592 | ---         | ---     |
| BLE_2M    | Ant1    | 2440            | 1.9105    | 2439.0427 | 2440.9532 | ---         | ---     |
| BLE_2M    | Ant1    | 2480            | 1.8904    | 2479.0520 | 2480.9424 | ---         | ---     |

## Test Graphs





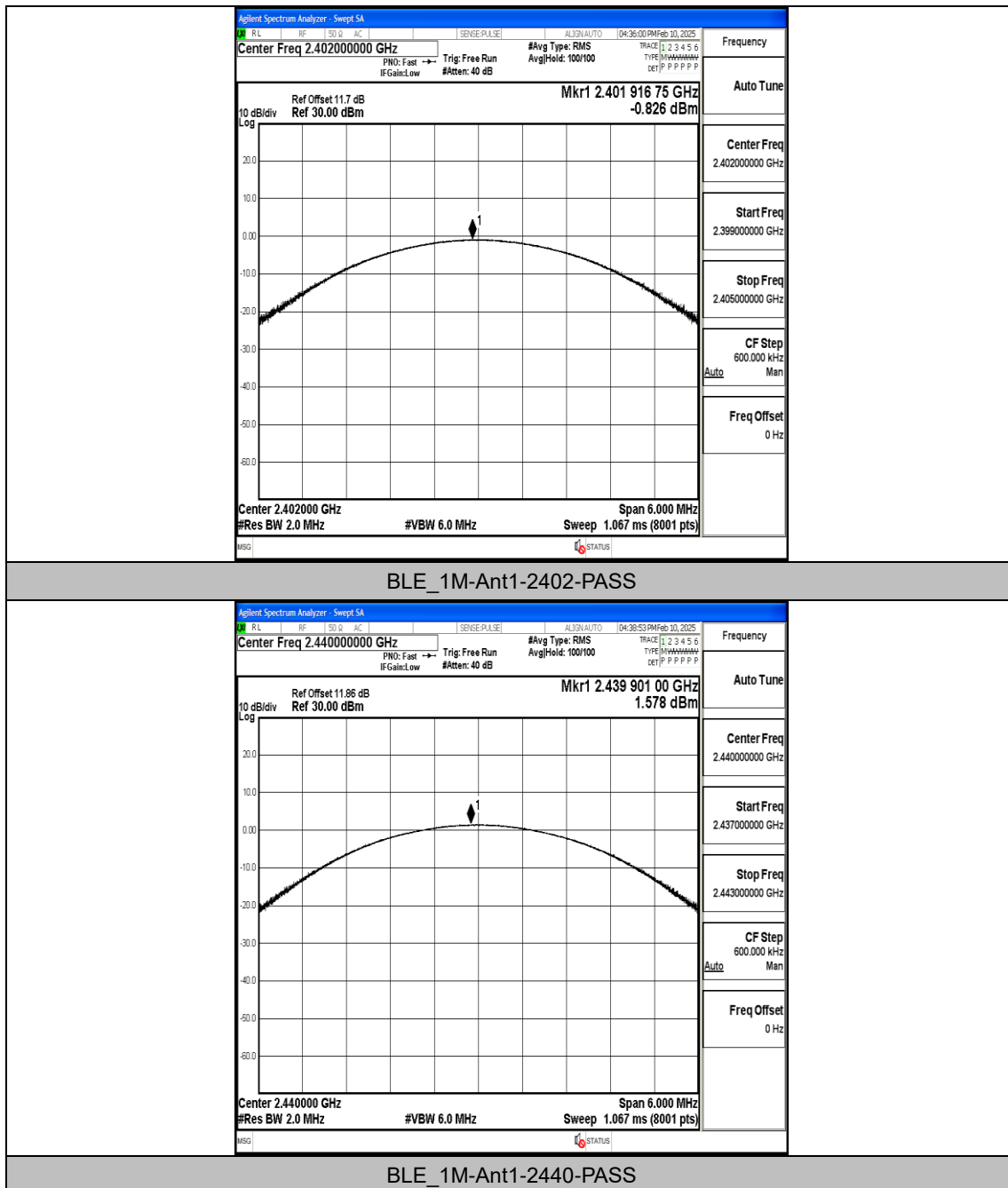


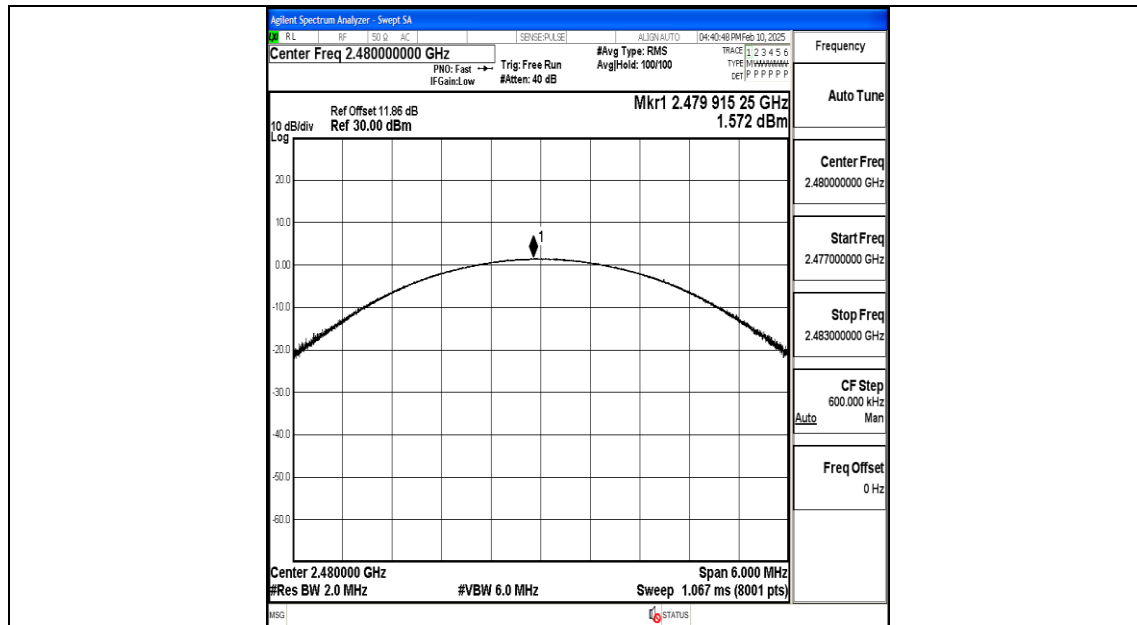
## Appendix C: Maximum peak conducted output power

### Test Result Peak

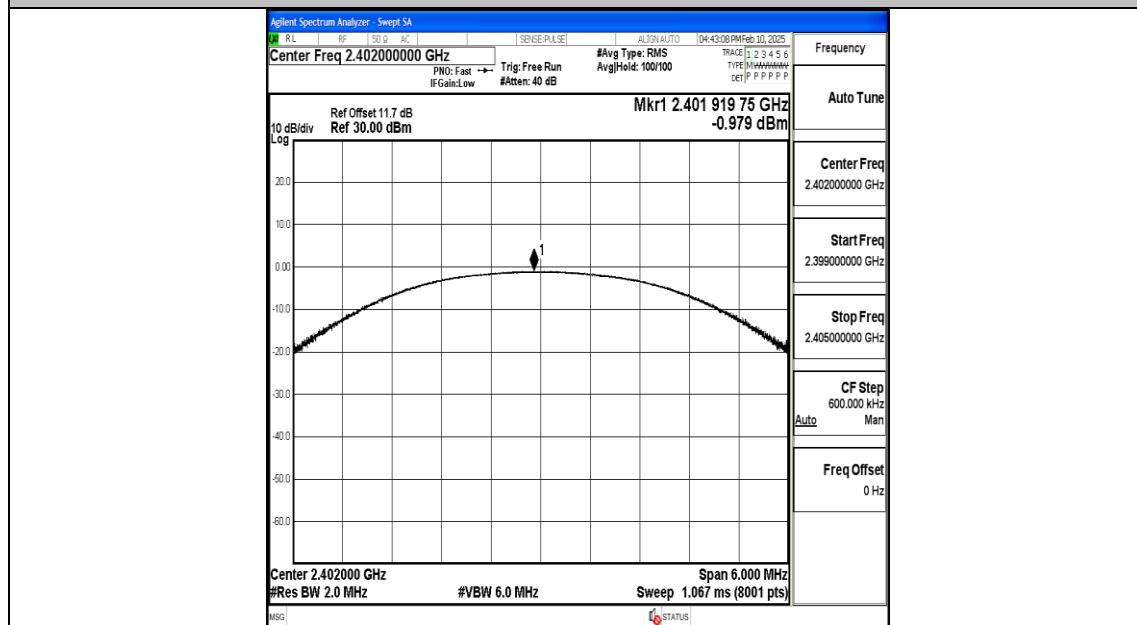
| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power [dBm] | Conducted Limit [dBm] | Verdict |
|-----------|---------|-----------------|----------------------------|-----------------------|---------|
| BLE_1M    | Ant1    | 2402            | -0.83                      | ≤30                   | PASS    |
| BLE_1M    | Ant1    | 2440            | 1.58                       | ≤30                   | PASS    |
| BLE_1M    | Ant1    | 2480            | 1.57                       | ≤30                   | PASS    |
| BLE_2M    | Ant1    | 2402            | -0.98                      | ≤30                   | PASS    |
| BLE_2M    | Ant1    | 2440            | 1.44                       | ≤30                   | PASS    |
| BLE_2M    | Ant1    | 2480            | 1.49                       | ≤30                   | PASS    |

## Test Graphs Peak

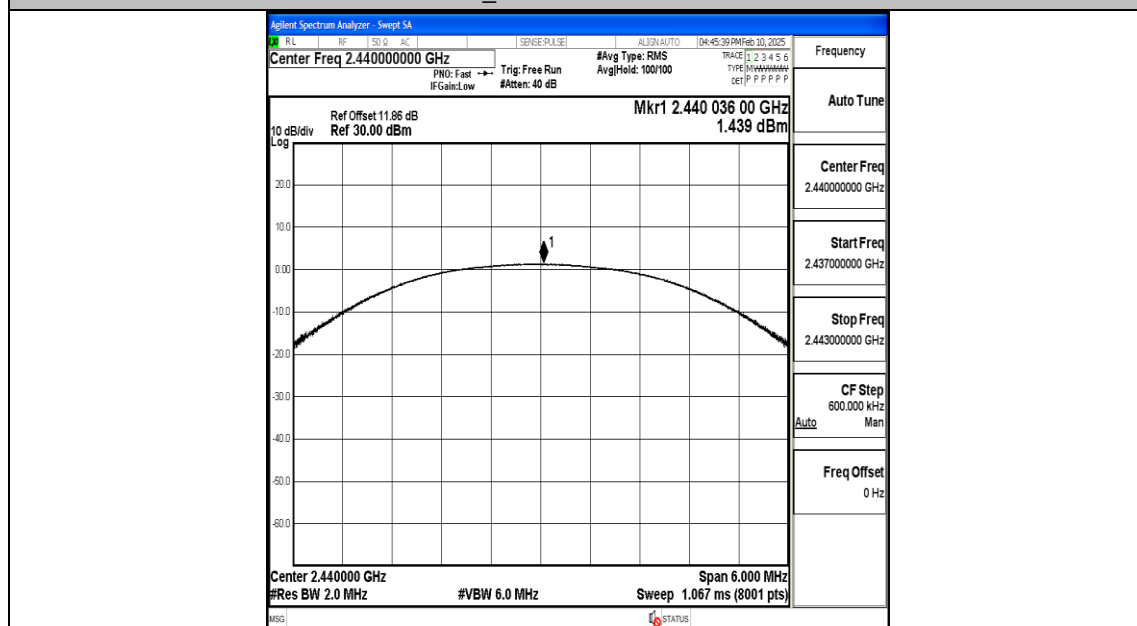




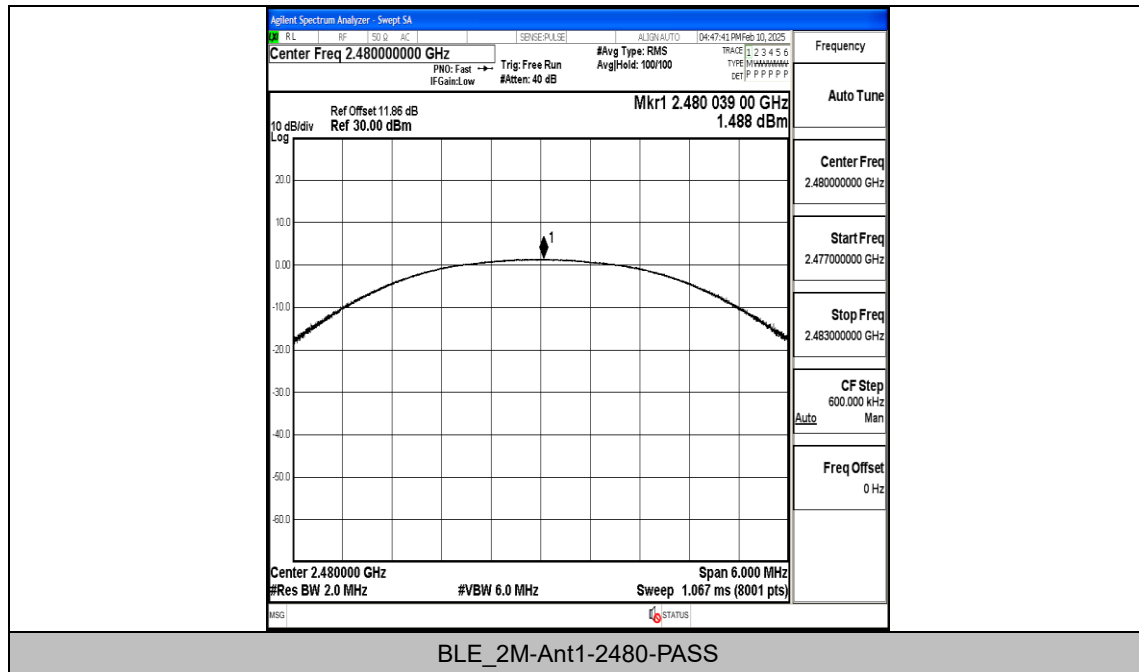
BLE\_1M-Ant1-2480-PASS



BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2440-PASS

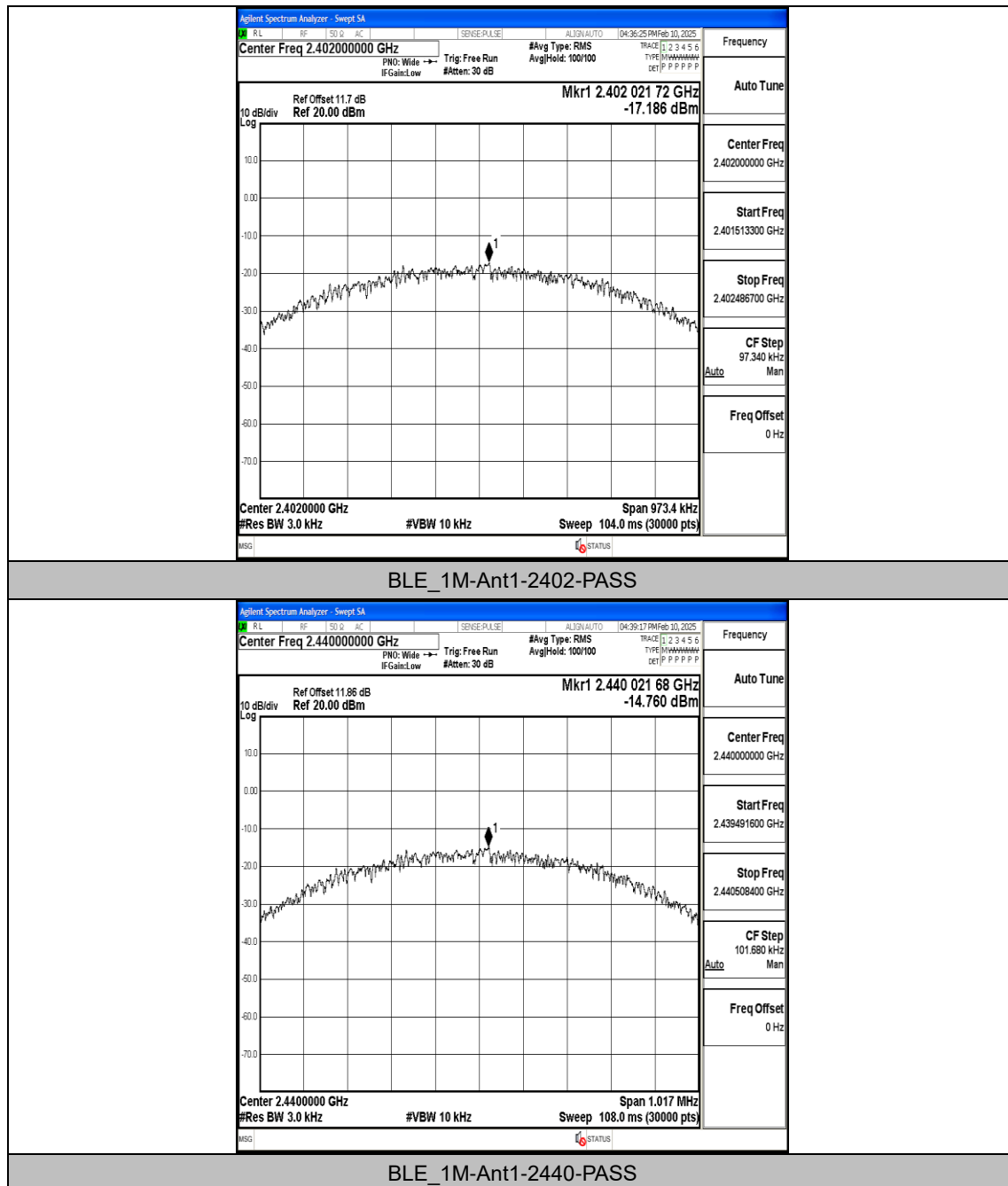


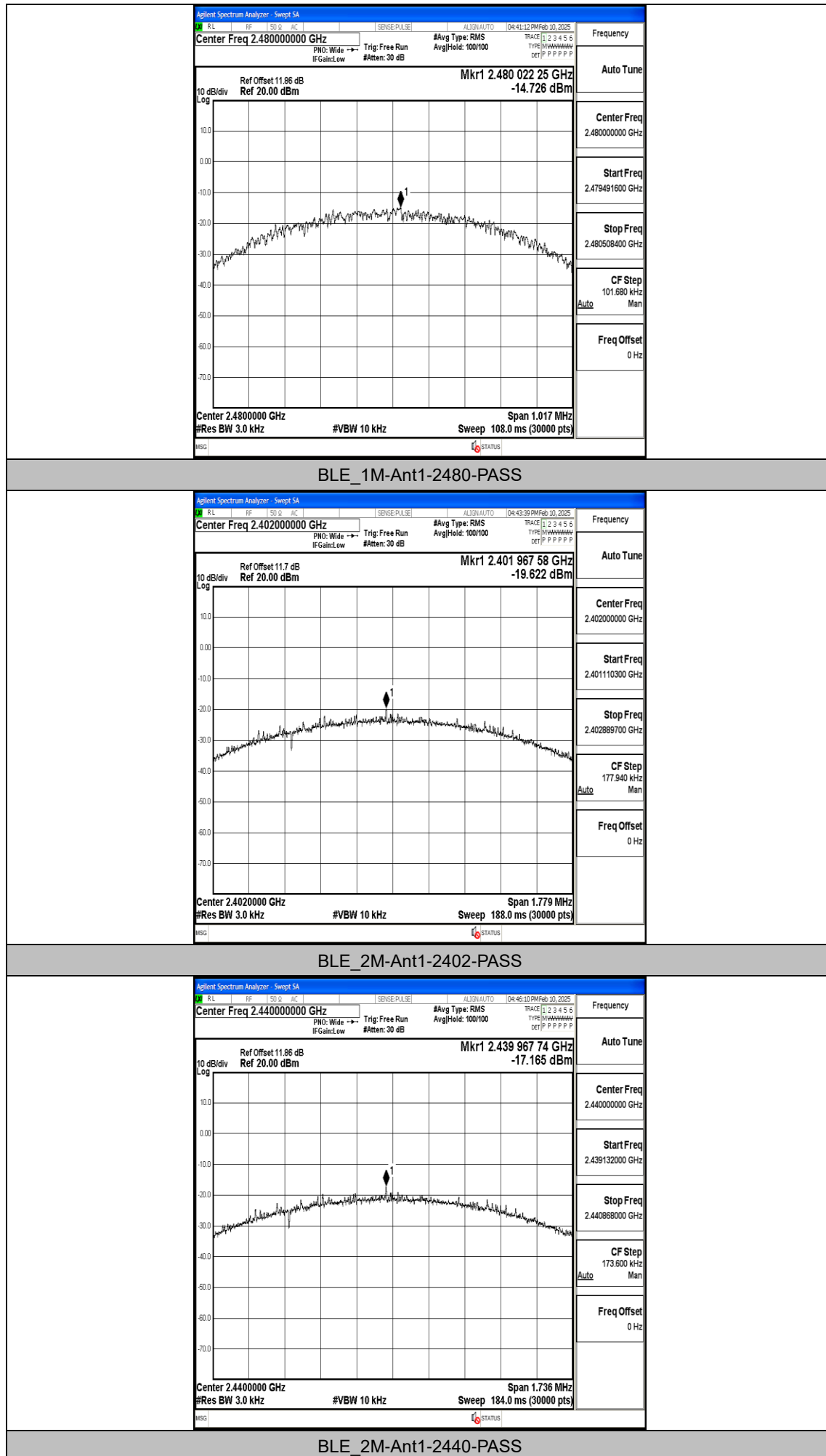
## Appendix D: Maximum peak power spectral density

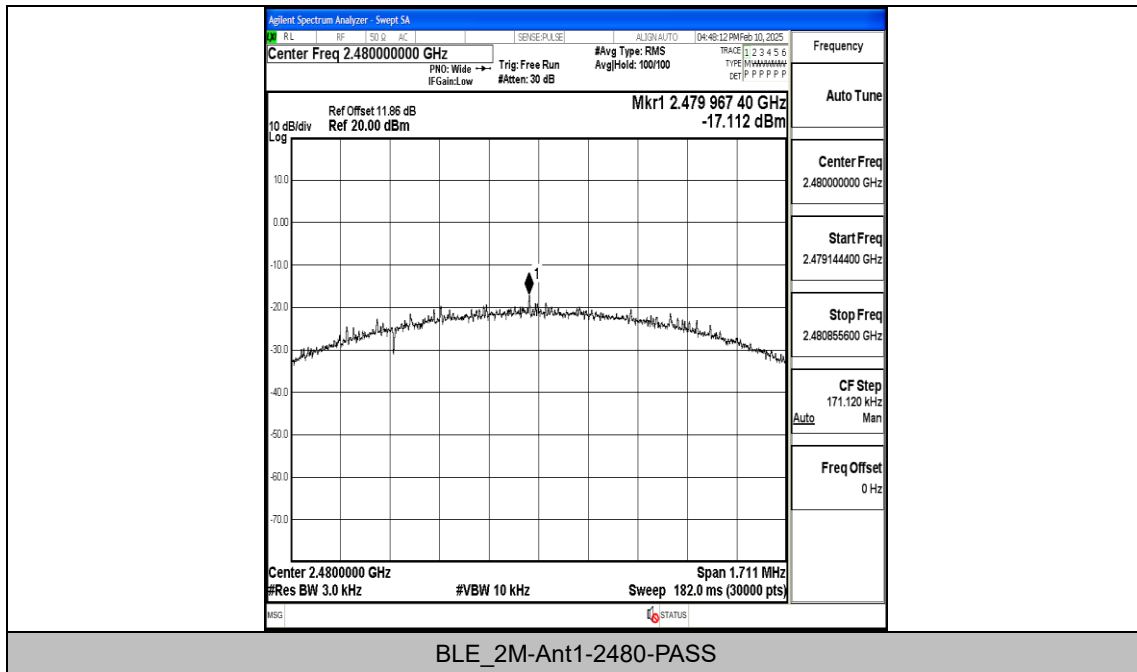
### Test Result

| Test Mode | Antenna | Frequency<br>[MHz] | Result<br>[dBm/3kHz] | Limit<br>[dBm/3kHz] | Verdict |
|-----------|---------|--------------------|----------------------|---------------------|---------|
| BLE_1M    | Ant1    | 2402               | -17.19               | ≤8.00               | PASS    |
| BLE_1M    | Ant1    | 2440               | -14.76               | ≤8.00               | PASS    |
| BLE_1M    | Ant1    | 2480               | -14.73               | ≤8.00               | PASS    |
| BLE_2M    | Ant1    | 2402               | -19.62               | ≤8.00               | PASS    |
| BLE_2M    | Ant1    | 2440               | -17.17               | ≤8.00               | PASS    |
| BLE_2M    | Ant1    | 2480               | -17.11               | ≤8.00               | PASS    |

## Test Graphs





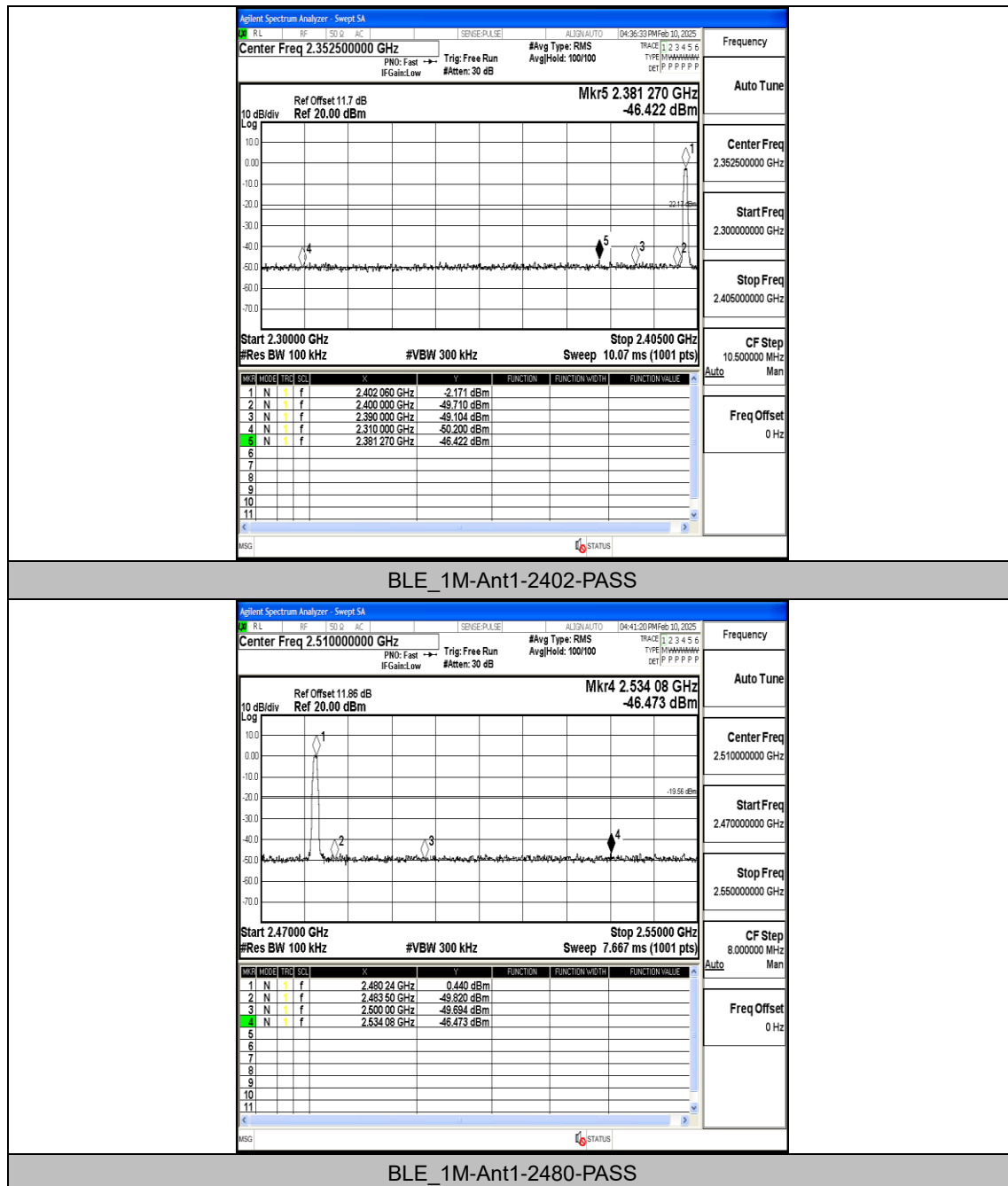


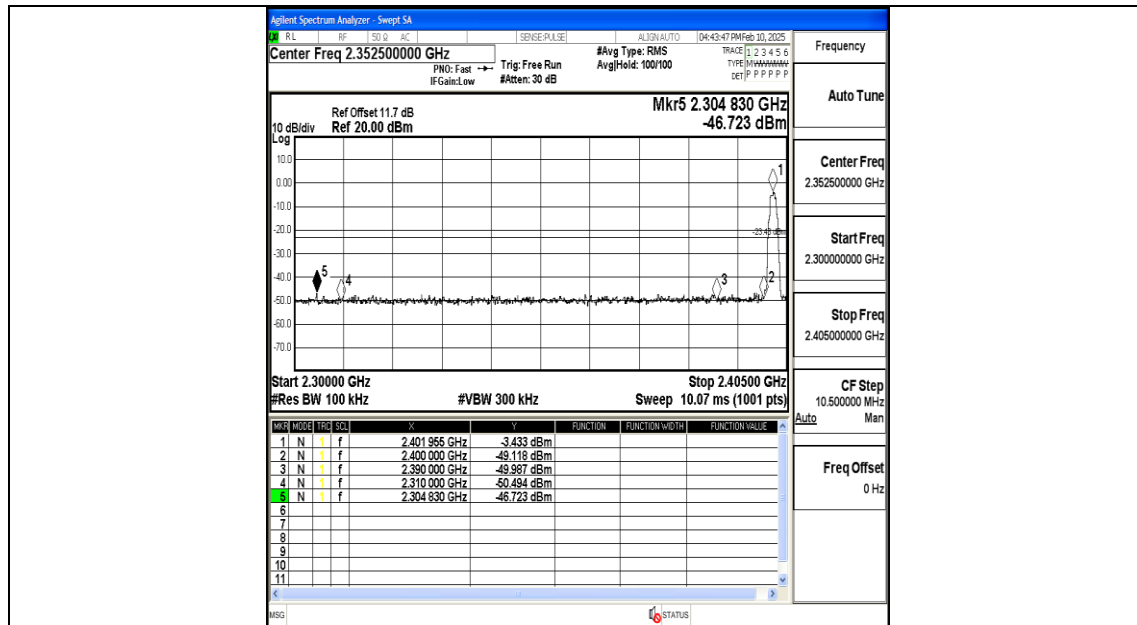
## Appendix E: Band edge measurements

### Test Result

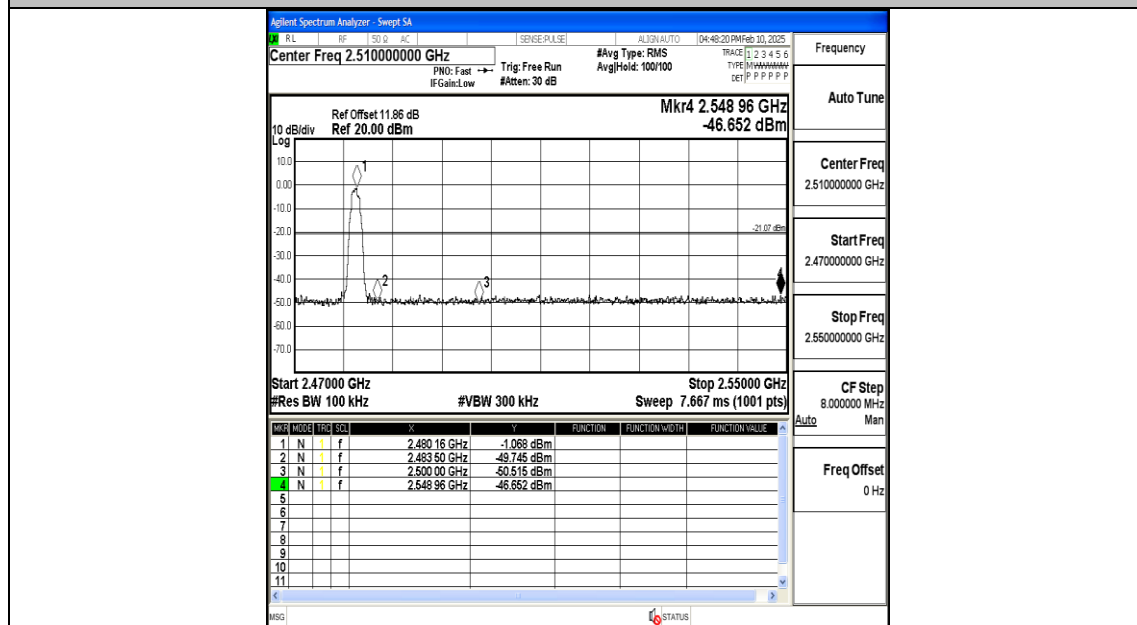
| Test Mode | Antenna | Ch. Name | Frequency [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------|-----------------|------------------|--------------|---------------|---------|
| BLE_1M    | Ant1    | Low      | 2402            | -2.17            | -46.42       | $\leq -22.17$ | PASS    |
| BLE_1M    | Ant1    | High     | 2480            | 0.44             | -46.47       | $\leq -19.56$ | PASS    |
| BLE_2M    | Ant1    | Low      | 2402            | -3.43            | -46.72       | $\leq -23.43$ | PASS    |
| BLE_2M    | Ant1    | High     | 2480            | -1.07            | -46.65       | $\leq -21.07$ | PASS    |

## Test Graphs





## BLE\_2M-Ant1-2402-PASS



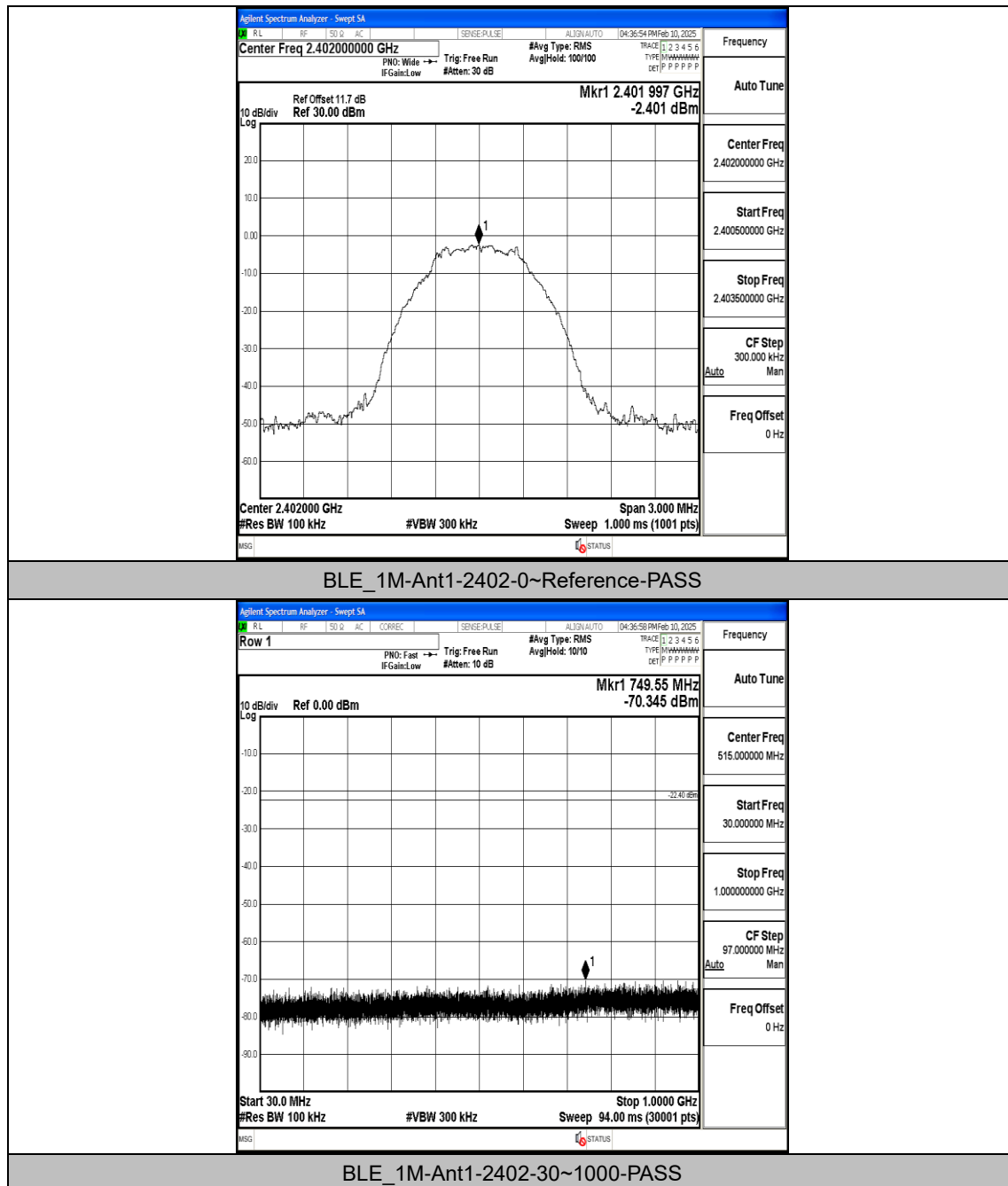
## BLE\_2M-Ant1-2480-PASS

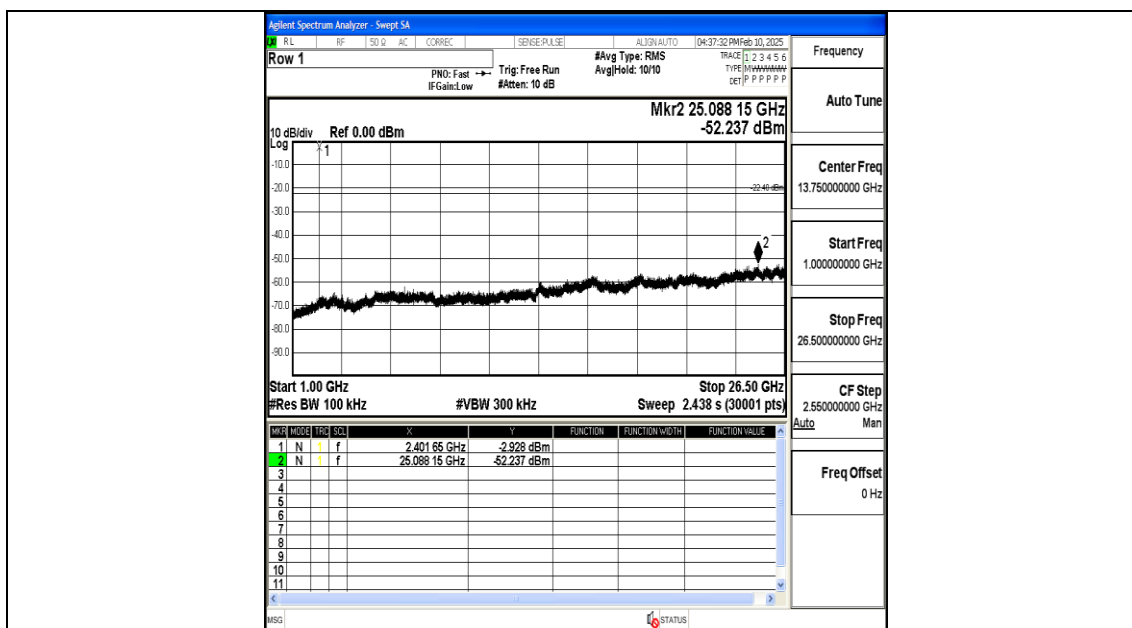
## Appendix F: Conducted Spurious Emission

### Test Result

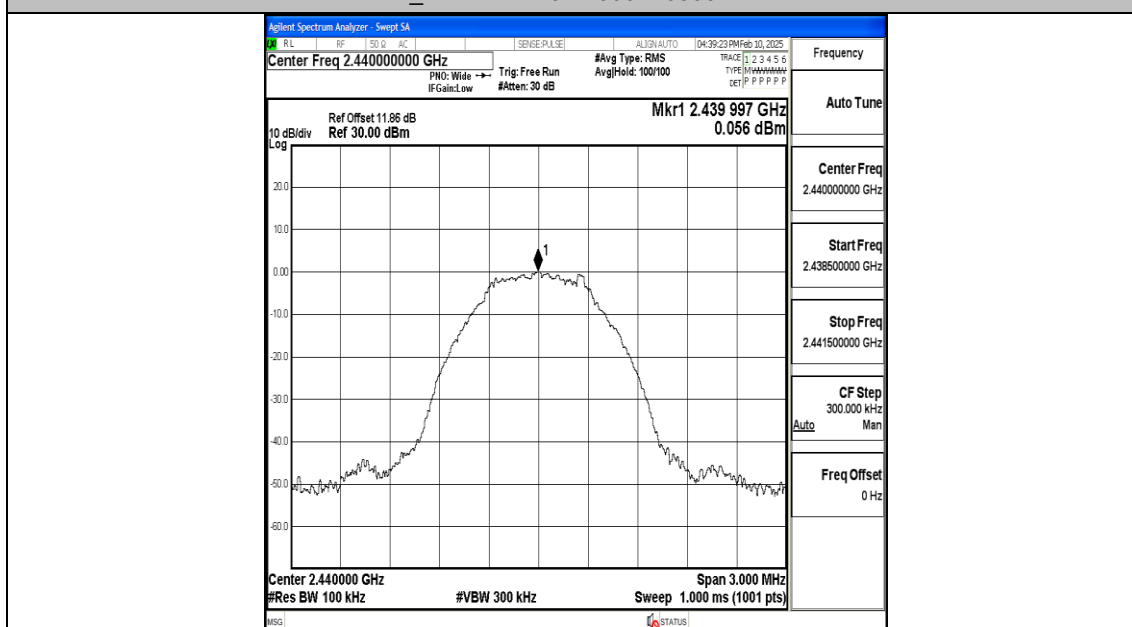
| Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | 2402            | 0~Reference       | -2.40            | -2.40        | ---         | PASS    |
| BLE_1M    | Ant1    | 2402            | 30~1000           | -2.40            | -70.35       | ≤-22.4      | PASS    |
| BLE_1M    | Ant1    | 2402            | 1000~26500        | -2.40            | -52.24       | ≤-22.4      | PASS    |
| BLE_1M    | Ant1    | 2440            | 0~Reference       | 0.06             | 0.06         | ---         | PASS    |
| BLE_1M    | Ant1    | 2440            | 30~1000           | 0.06             | -69.98       | ≤-19.94     | PASS    |
| BLE_1M    | Ant1    | 2440            | 1000~26500        | 0.06             | -51.97       | ≤-19.94     | PASS    |
| BLE_1M    | Ant1    | 2480            | 0~Reference       | 0.26             | 0.26         | ---         | PASS    |
| BLE_1M    | Ant1    | 2480            | 30~1000           | 0.26             | -70.4        | ≤-19.74     | PASS    |
| BLE_1M    | Ant1    | 2480            | 1000~26500        | 0.26             | -53.12       | ≤-19.74     | PASS    |
| BLE_2M    | Ant1    | 2402            | 0~Reference       | -3.62            | -3.62        | ---         | PASS    |
| BLE_2M    | Ant1    | 2402            | 30~1000           | -3.62            | -70.19       | ≤-23.62     | PASS    |
| BLE_2M    | Ant1    | 2402            | 1000~26500        | -3.62            | -51.86       | ≤-23.62     | PASS    |
| BLE_2M    | Ant1    | 2440            | 0~Reference       | 0.03             | 0.03         | ---         | PASS    |
| BLE_2M    | Ant1    | 2440            | 30~1000           | 0.03             | -69.7        | ≤-19.97     | PASS    |
| BLE_2M    | Ant1    | 2440            | 1000~26500        | 0.03             | -52.18       | ≤-19.97     | PASS    |
| BLE_2M    | Ant1    | 2480            | 0~Reference       | 0.23             | 0.23         | ---         | PASS    |
| BLE_2M    | Ant1    | 2480            | 30~1000           | 0.23             | -69.83       | ≤-19.77     | PASS    |
| BLE_2M    | Ant1    | 2480            | 1000~26500        | 0.23             | -52.76       | ≤-19.77     | PASS    |

## Test Graphs

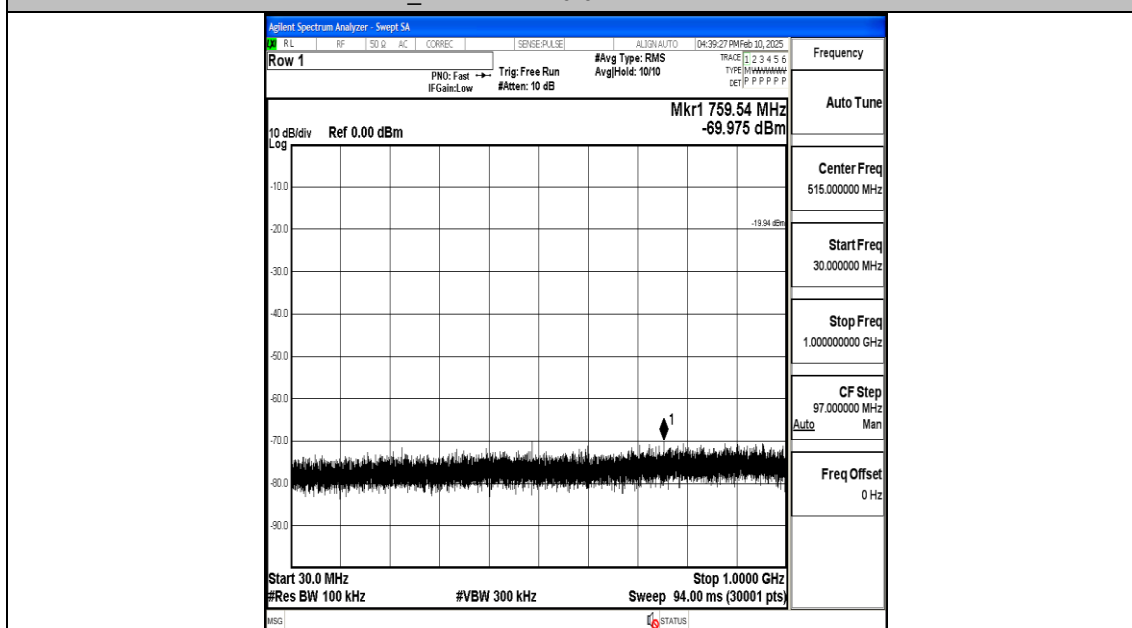




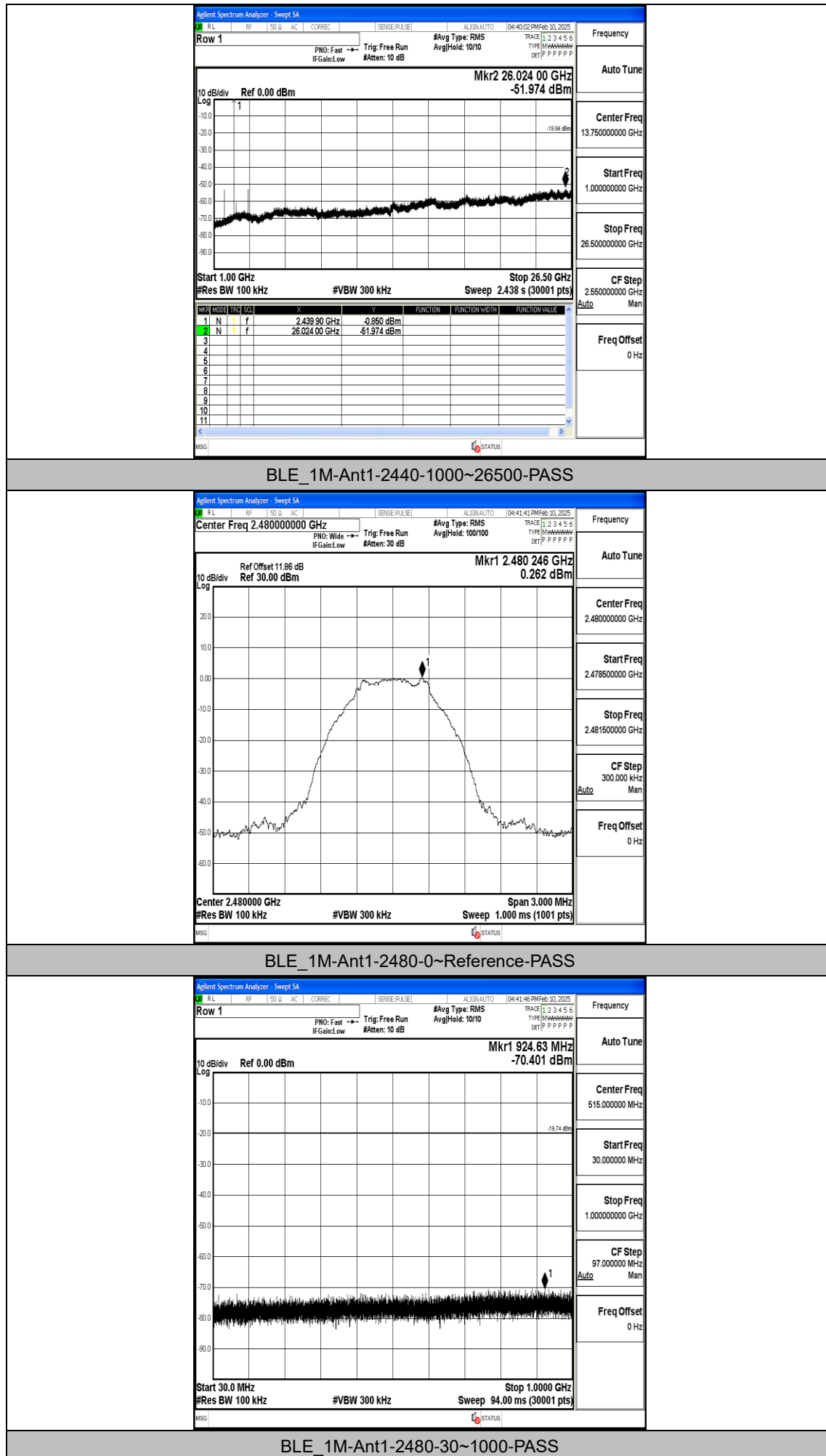
BLE\_1M-Ant1-2402-1000~26500-PASS

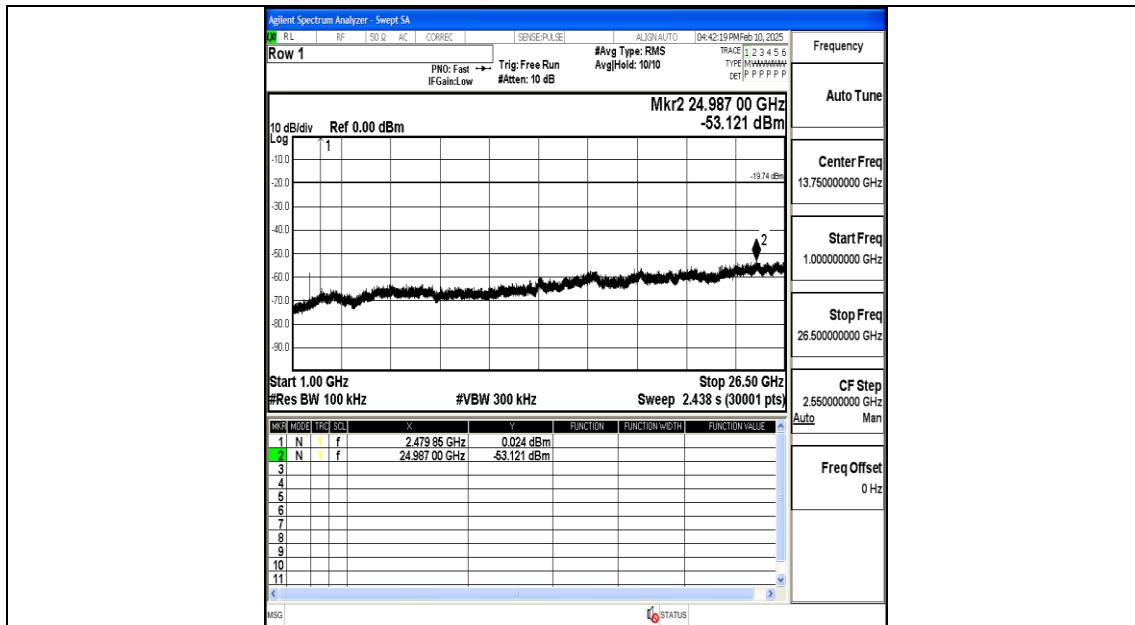


BLE\_1M-Ant1-2440-0~Reference-PASS

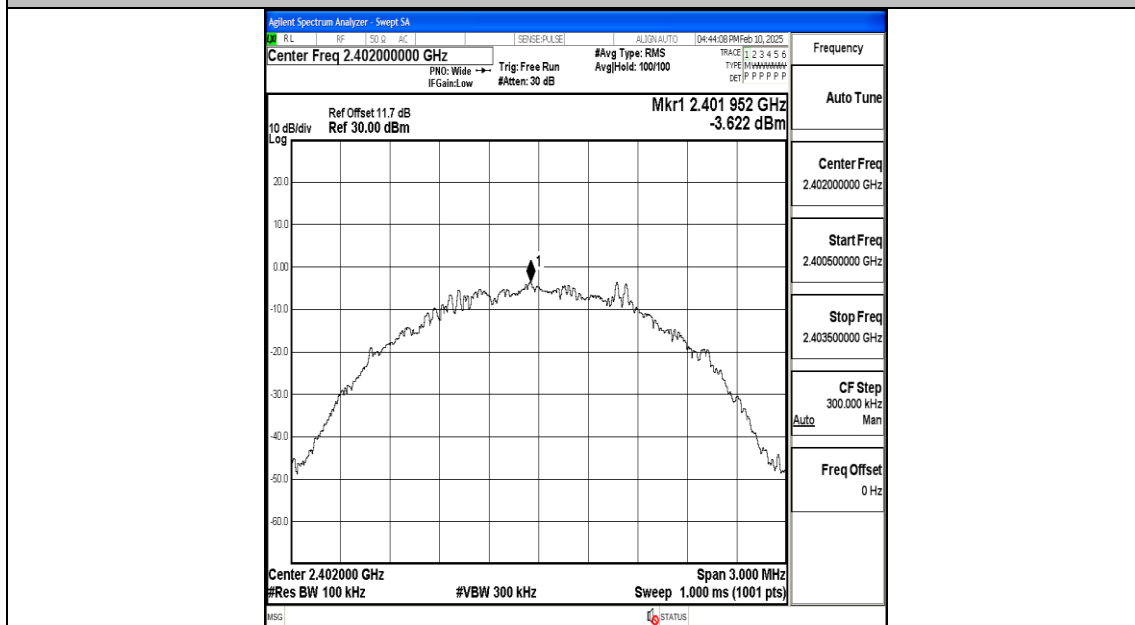


BLE\_1M-Ant1-2440-30~1000-PASS

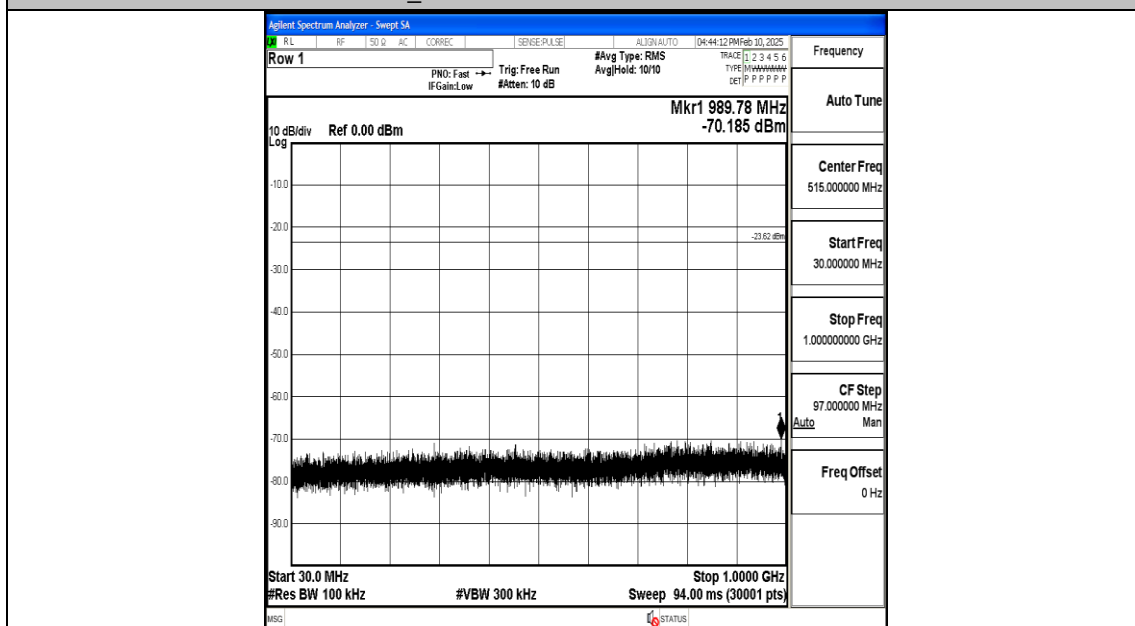




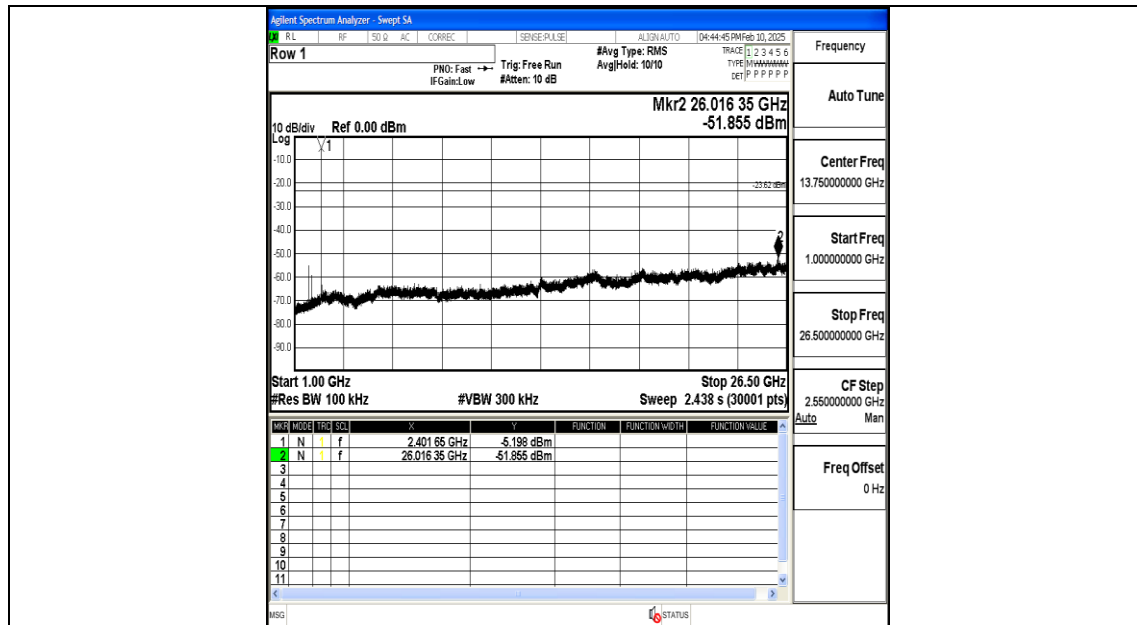
BLE\_1M-Ant1-2480-1000~26500-PASS



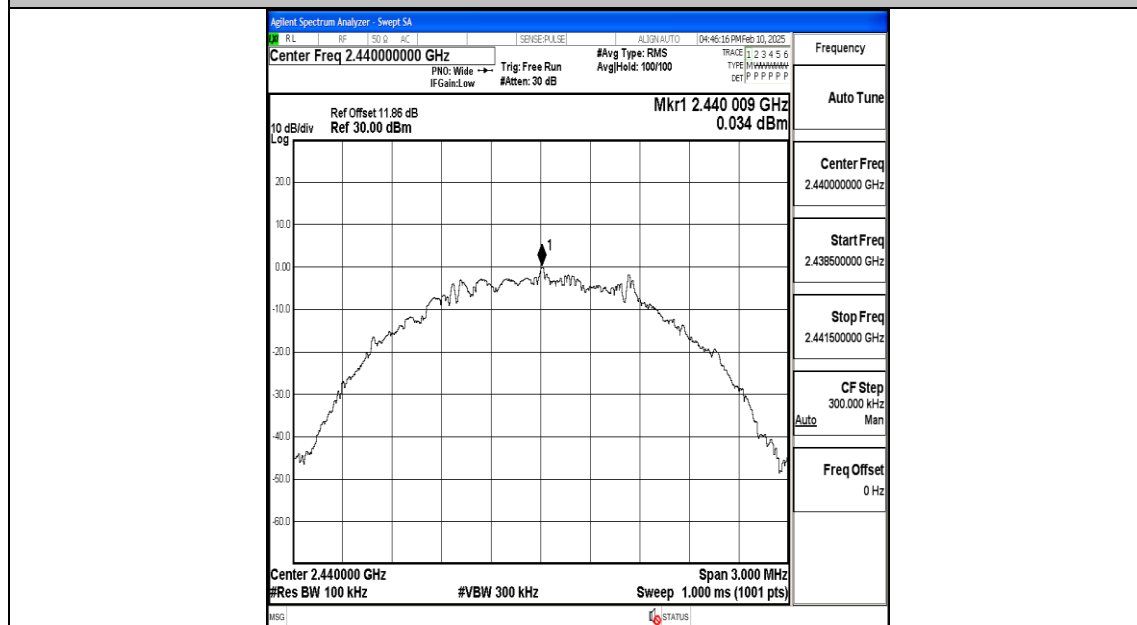
BLE\_2M-Ant1-2402-0~Reference-PASS



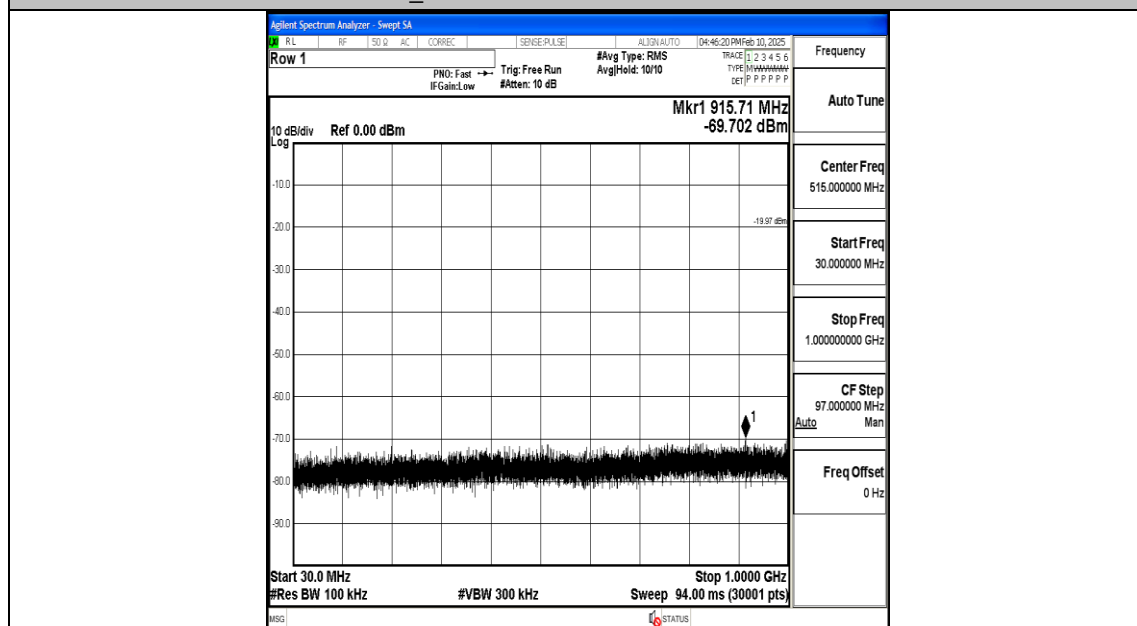
BLE\_2M-Ant1-2402-30~1000-PASS



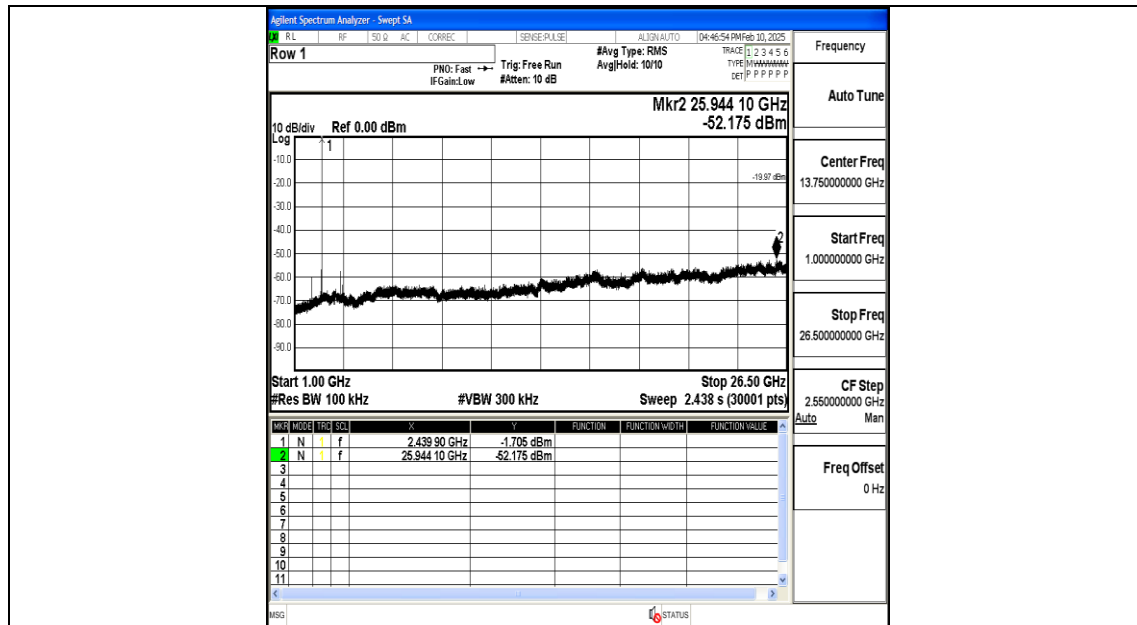
BLE\_2M-Ant1-2402-1000~26500-PASS



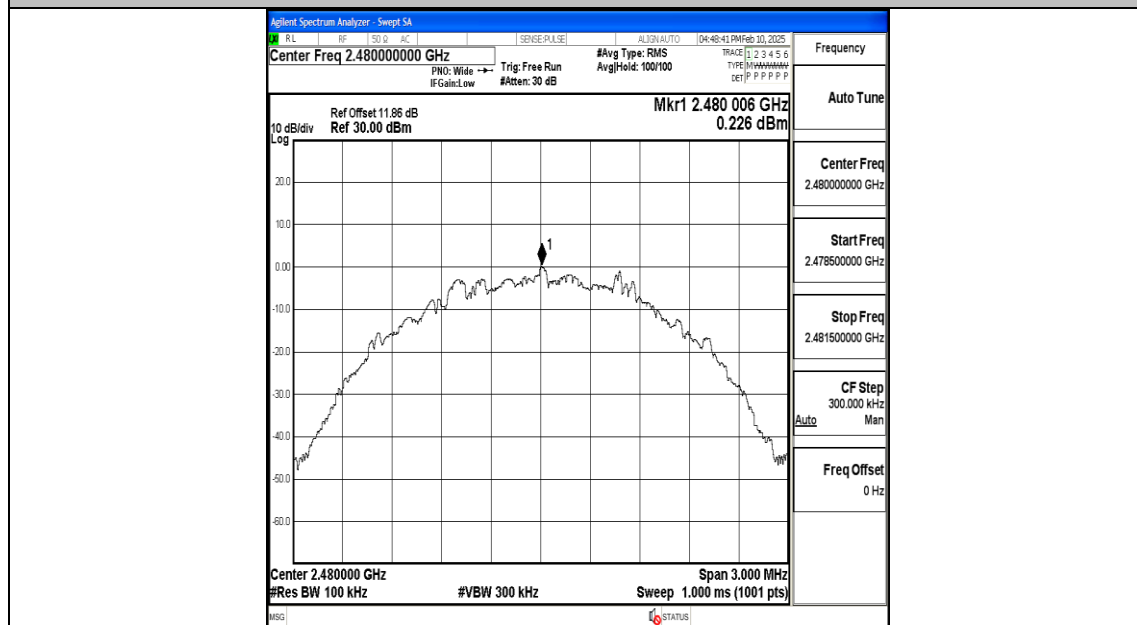
BLE\_2M-Ant1-2440-0~Reference-PASS



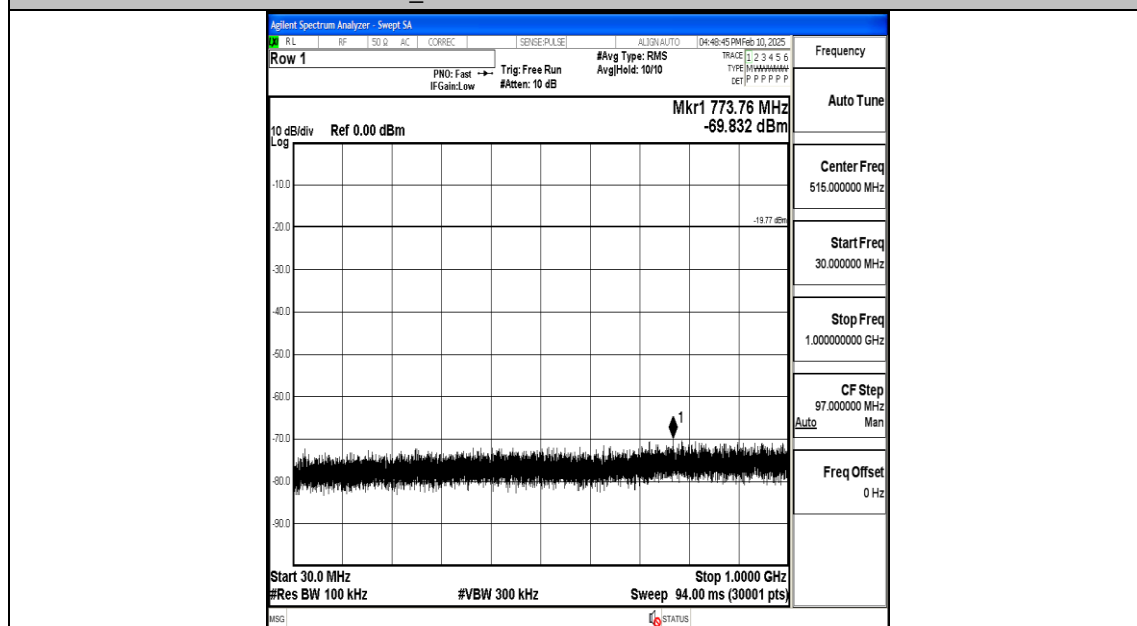
BLE\_2M-Ant1-2440-30~1000-PASS



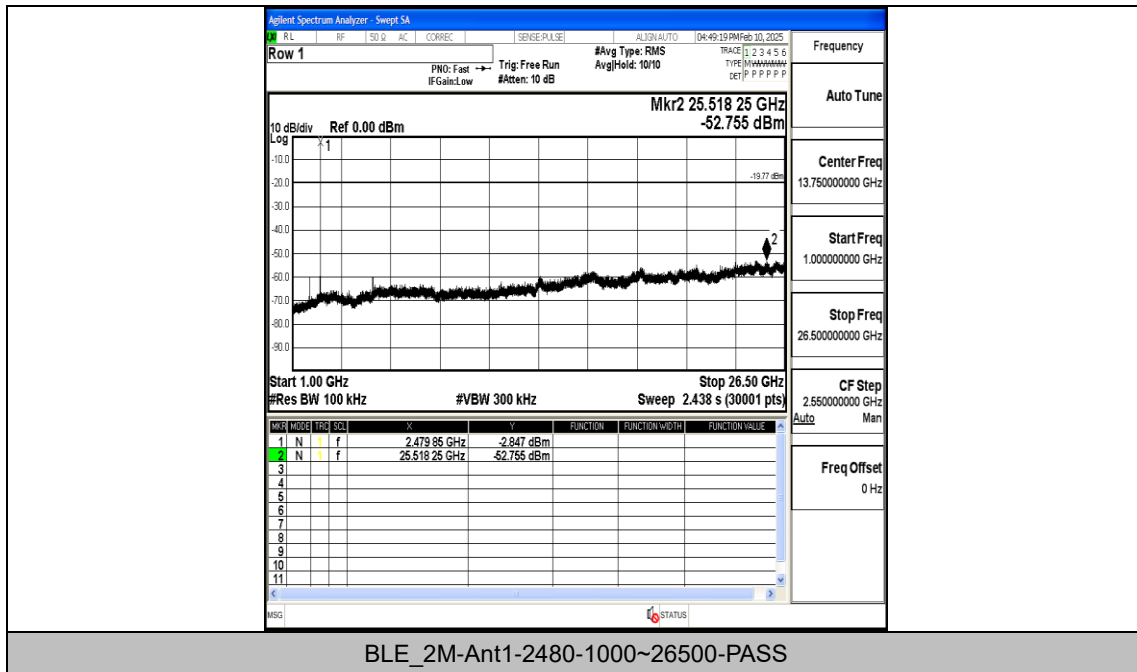
BLE\_2M-Ant1-2440-1000~26500-PASS



BLE\_2M-Ant1-2480-0~Reference-PASS



BLE\_2M-Ant1-2480-30~1000-PASS

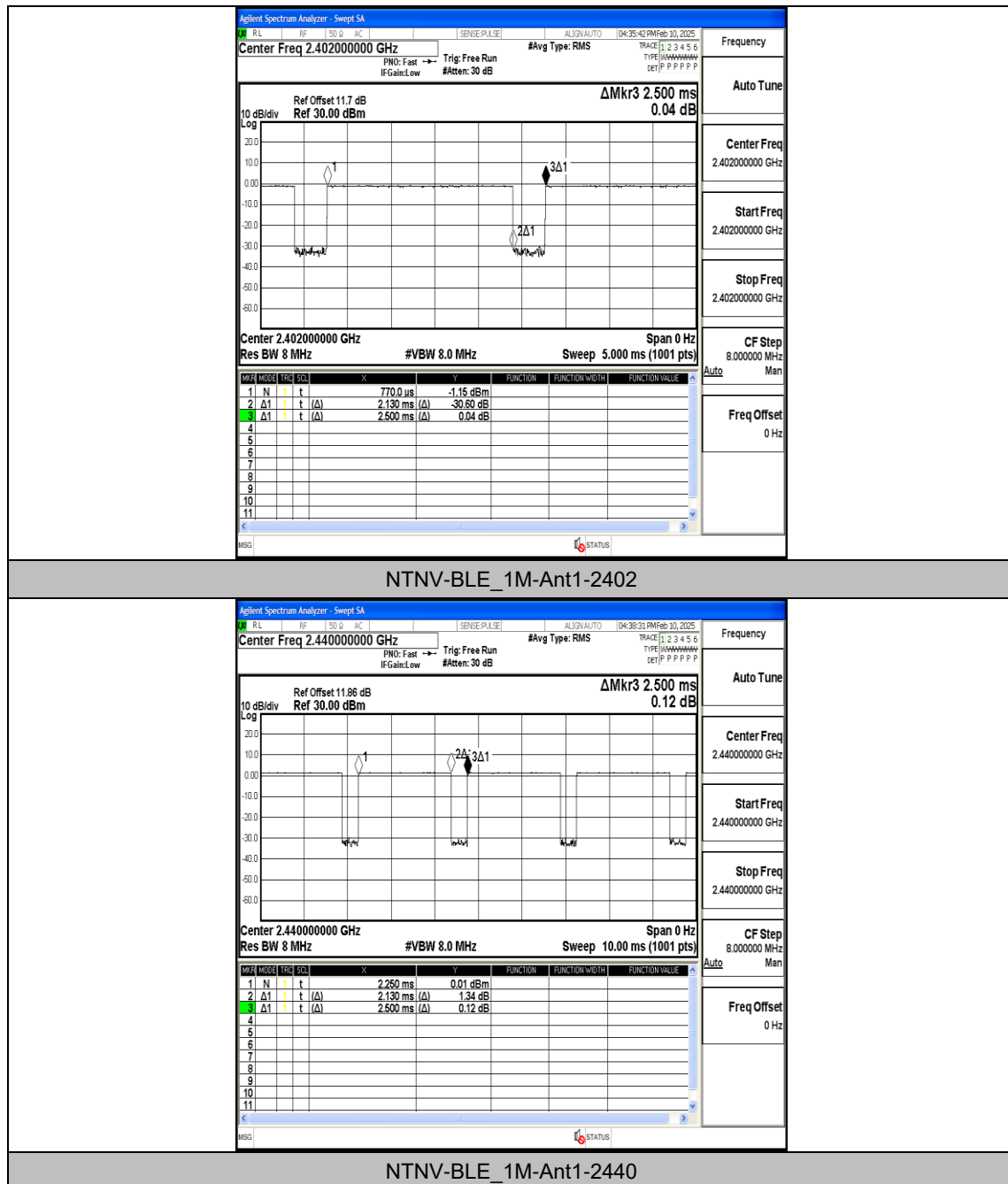


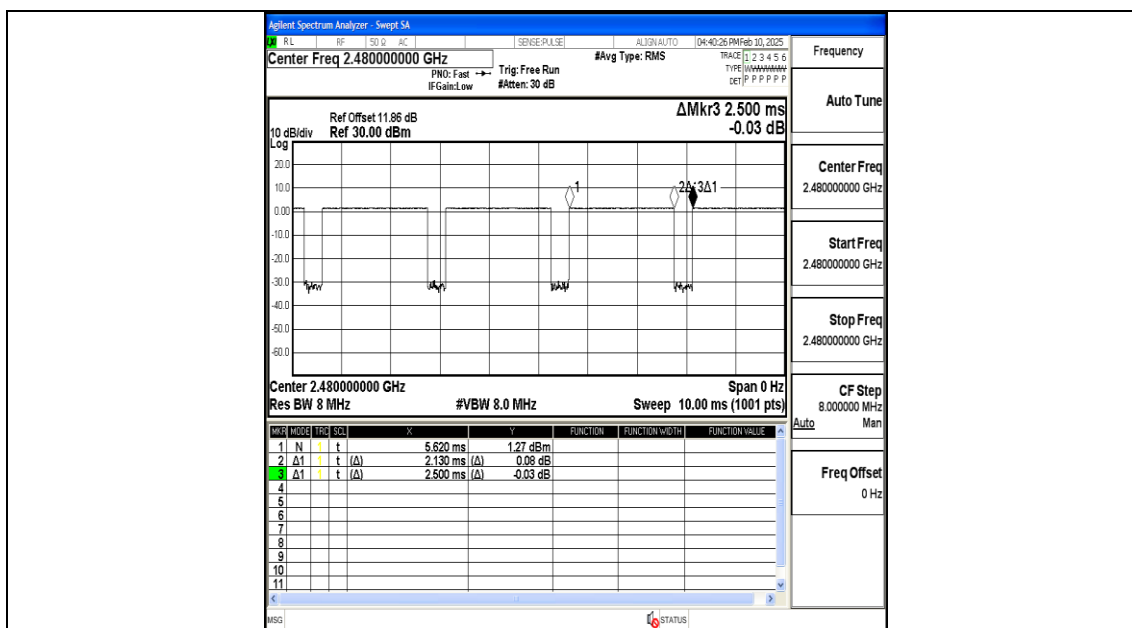
## Appendix G: Duty Cycle

### Test Result

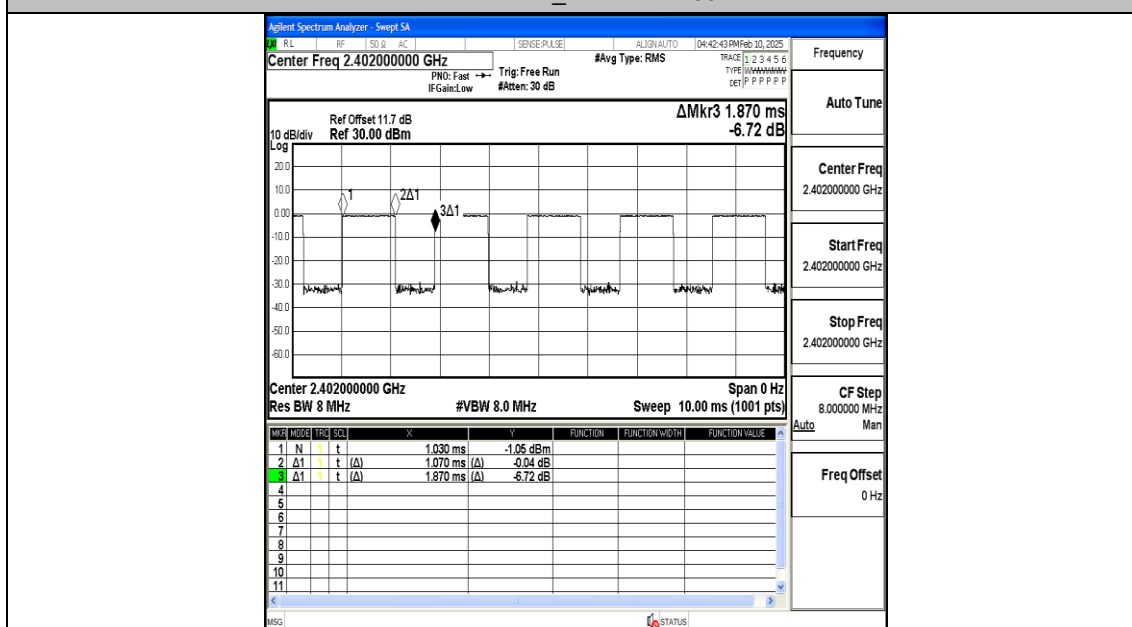
| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor [dB] |
|-----------|---------|-----------------|--------------|-------------|----------------|------------------------|
| BLE_1M    | Ant1    | 2402            | 2.13         | 2.50        | 85.20          | 0.70                   |
| BLE_1M    | Ant1    | 2440            | 2.13         | 2.50        | 85.20          | 0.70                   |
| BLE_1M    | Ant1    | 2480            | 2.13         | 2.50        | 85.20          | 0.70                   |
| BLE_2M    | Ant1    | 2402            | 1.07         | 1.87        | 57.22          | 2.42                   |
| BLE_2M    | Ant1    | 2440            | 1.07         | 1.88        | 56.91          | 2.45                   |
| BLE_2M    | Ant1    | 2480            | 1.07         | 1.87        | 57.22          | 2.42                   |

## Test Graphs

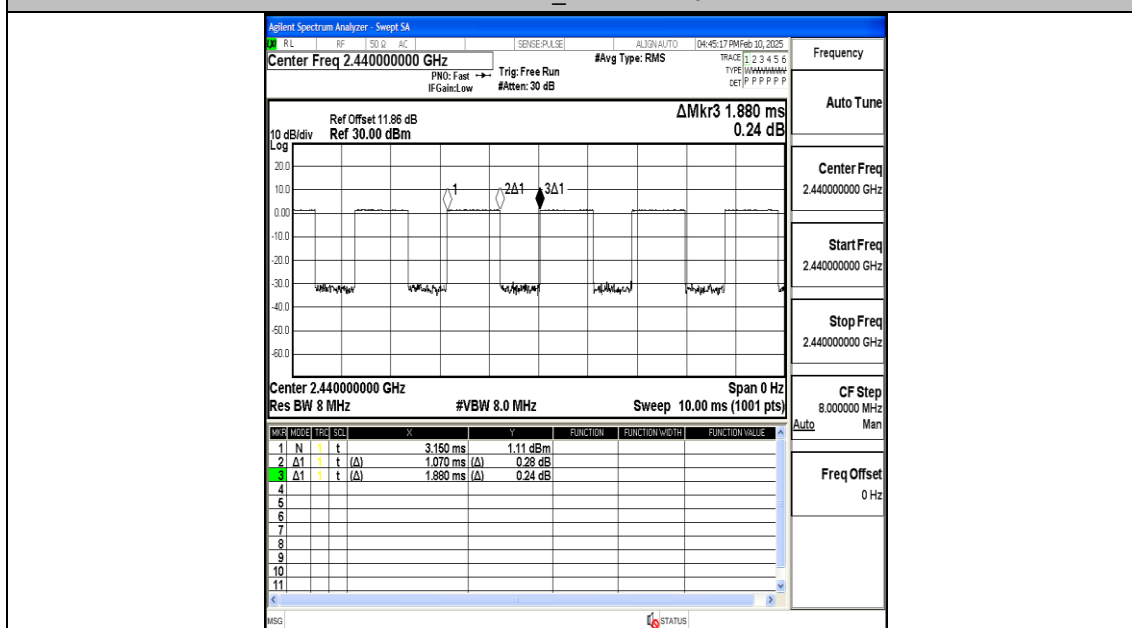




NTNV-BLE\_1M-Ant1-2480



NTNV-BLE\_2M-Ant1-2402



NTNV-BLE\_2M-Ant1-2440

