

## Appendix Test Data

|                  |                  |                    |                    |
|------------------|------------------|--------------------|--------------------|
| Report No.:      | 1811C50325712501 | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2025-09-10       | Finish Test Date:  | 2025-09-10         |
| Test Engineer:   | <i>Alex Peng</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 25.7°C           | Relative Humidity: | 50%                |
| Pressure:        | 101kPa           |                    |                    |

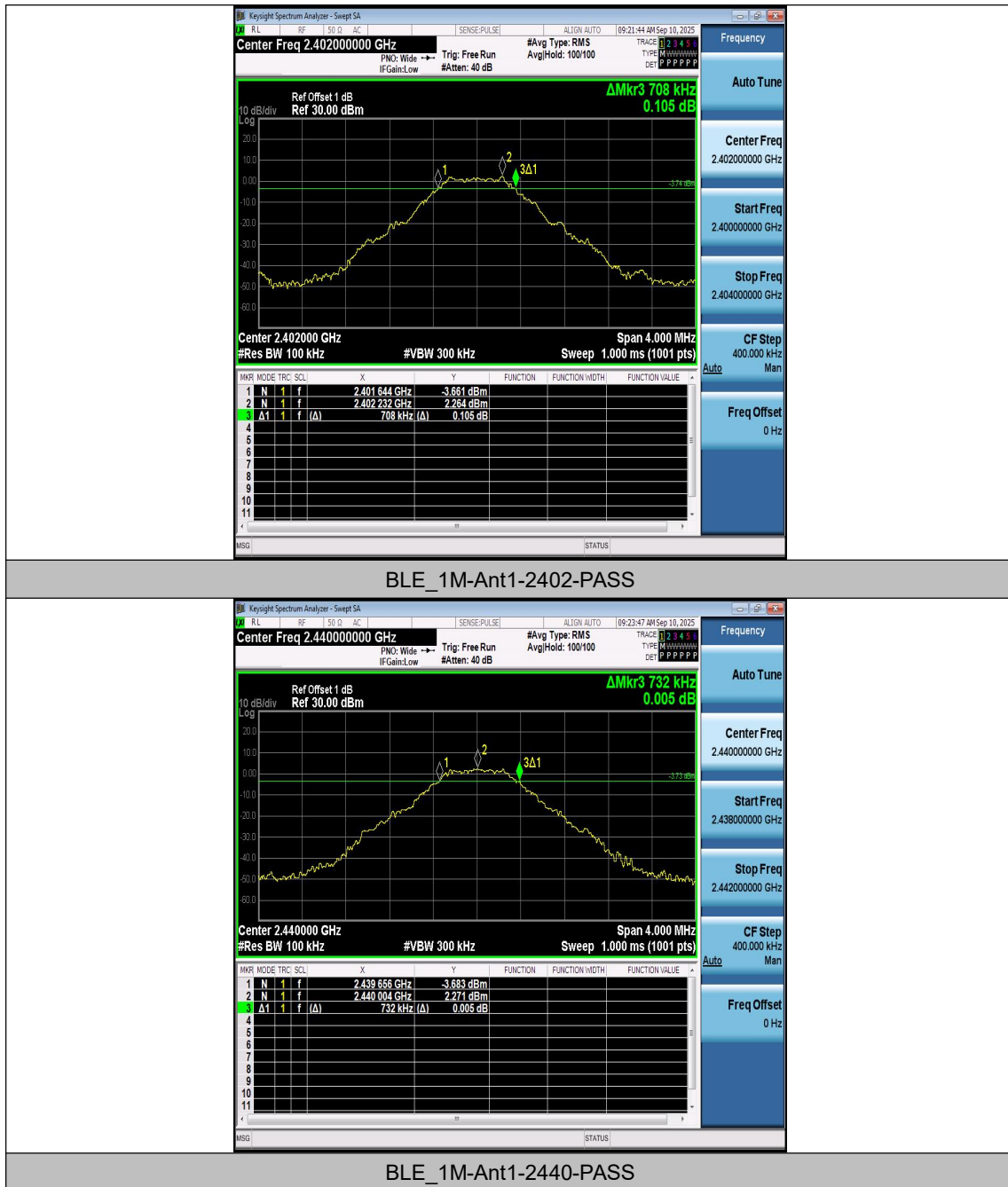


## Appendix A: 6dB Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M    | Ant1    | 2402           | 0.708        | 2401.644 | 2402.352 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2440           | 0.732        | 2439.656 | 2440.388 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2480           | 0.744        | 2479.628 | 2480.372 | 0.5        | PASS    |
| BLE_2M    | Ant1    | 2402           | 1.264        | 2401.336 | 2402.600 | 0.5        | PASS    |
| BLE_2M    | Ant1    | 2440           | 1.376        | 2439.336 | 2440.712 | 0.5        | PASS    |
| BLE_2M    | Ant1    | 2480           | 1.168        | 2479.432 | 2480.600 | 0.5        | PASS    |

## Test Graphs





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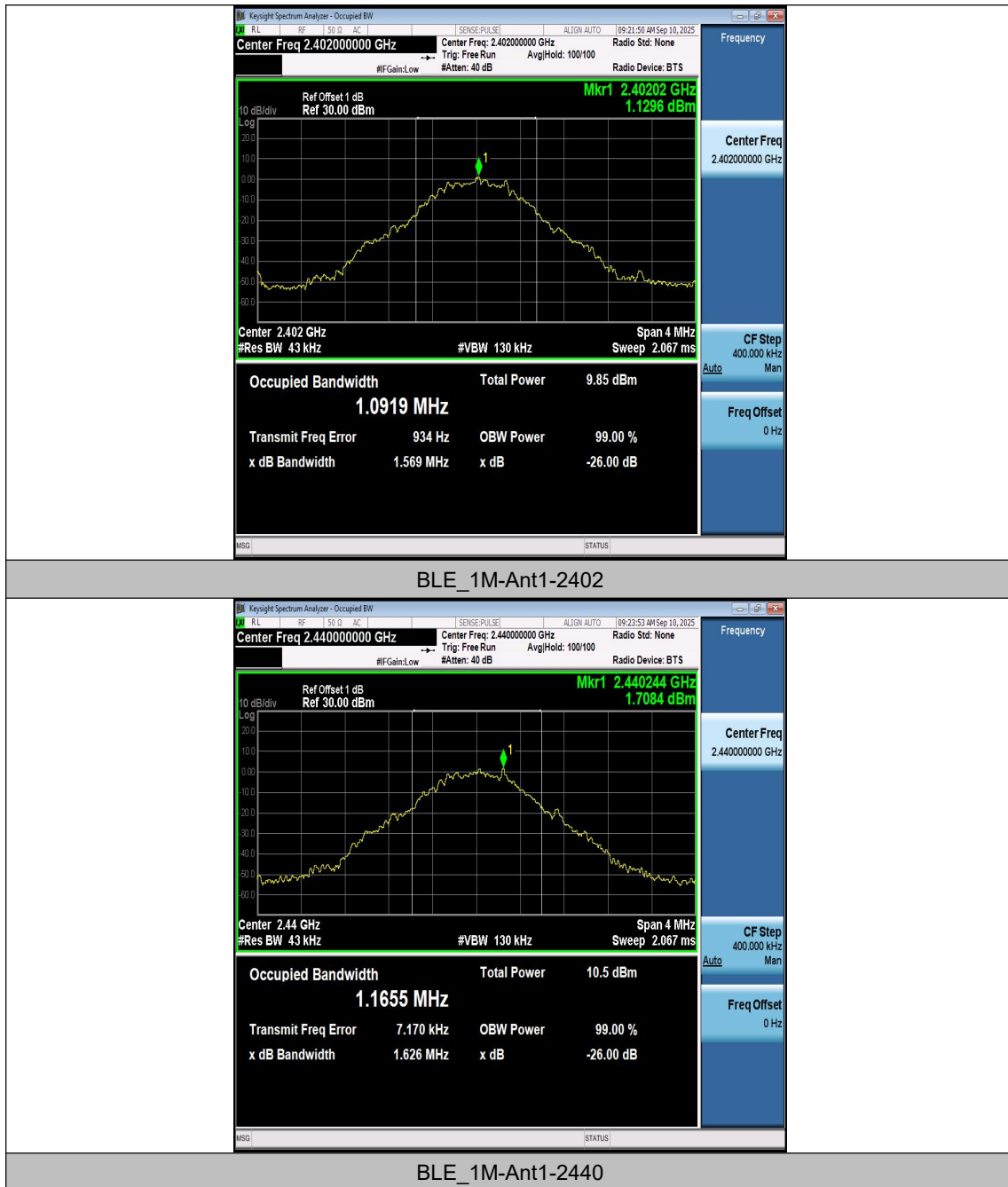
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## Appendix B: 99% Occupied Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| BLE_1M    | Ant1    | 2402           | 1.0919    | 2401.4550 | 2402.5469 | ---        | ---     |
| BLE_1M    | Ant1    | 2440           | 1.1655    | 2439.4244 | 2440.5899 | ---        | ---     |
| BLE_1M    | Ant1    | 2480           | 1.2102    | 2479.3907 | 2480.6009 | ---        | ---     |
| BLE_2M    | Ant1    | 2402           | 2.0623    | 2400.9828 | 2403.0451 | ---        | ---     |
| BLE_2M    | Ant1    | 2440           | 2.0943    | 2438.9660 | 2441.0603 | ---        | ---     |
| BLE_2M    | Ant1    | 2480           | 2.1247    | 2478.9503 | 2481.0750 | ---        | ---     |

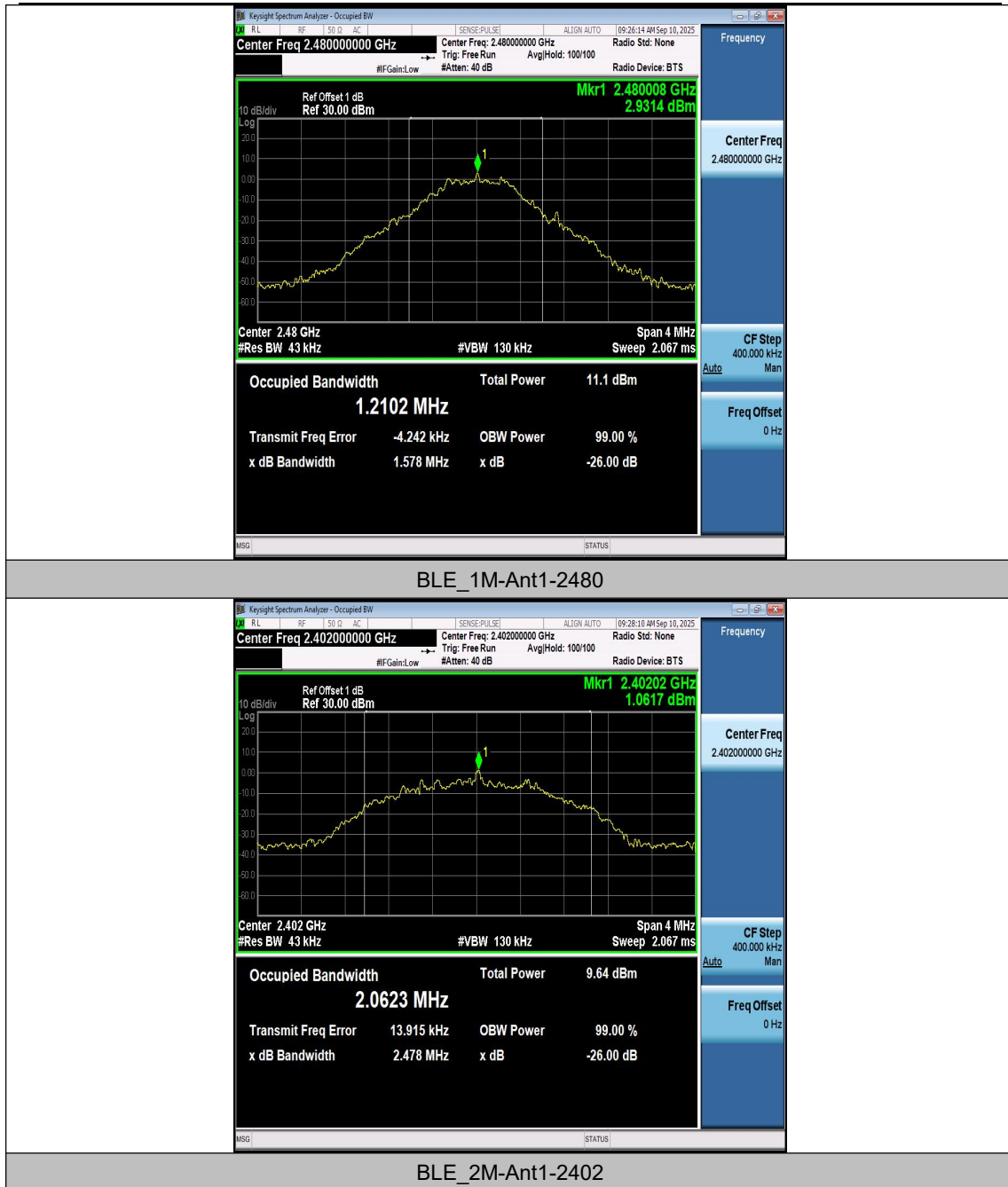
## Test Graphs



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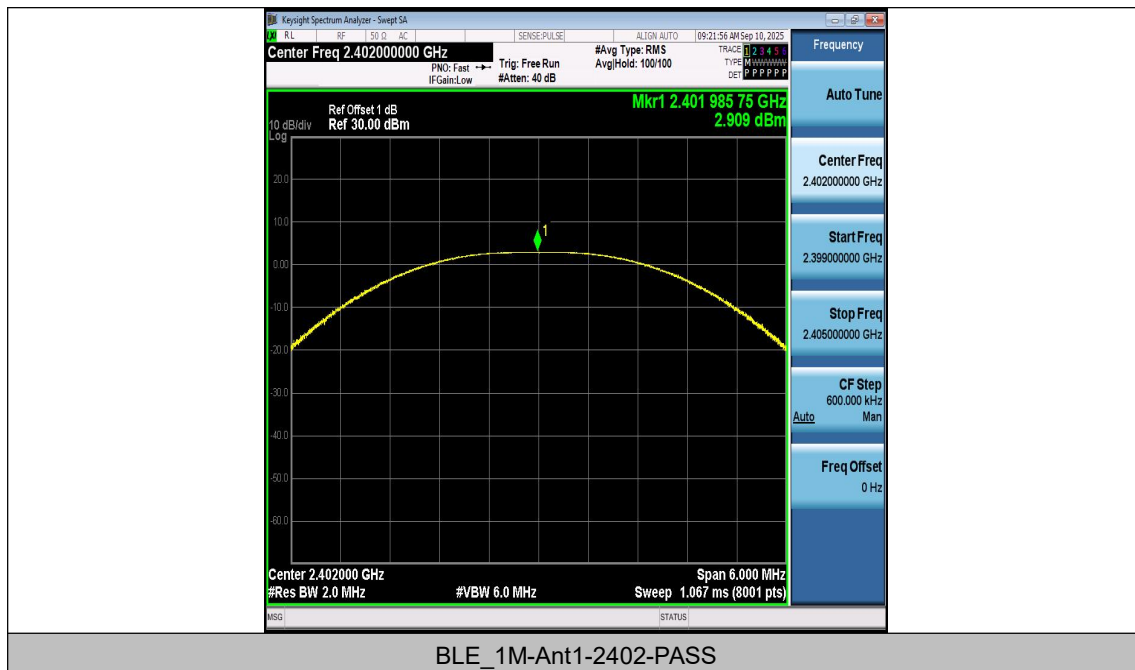
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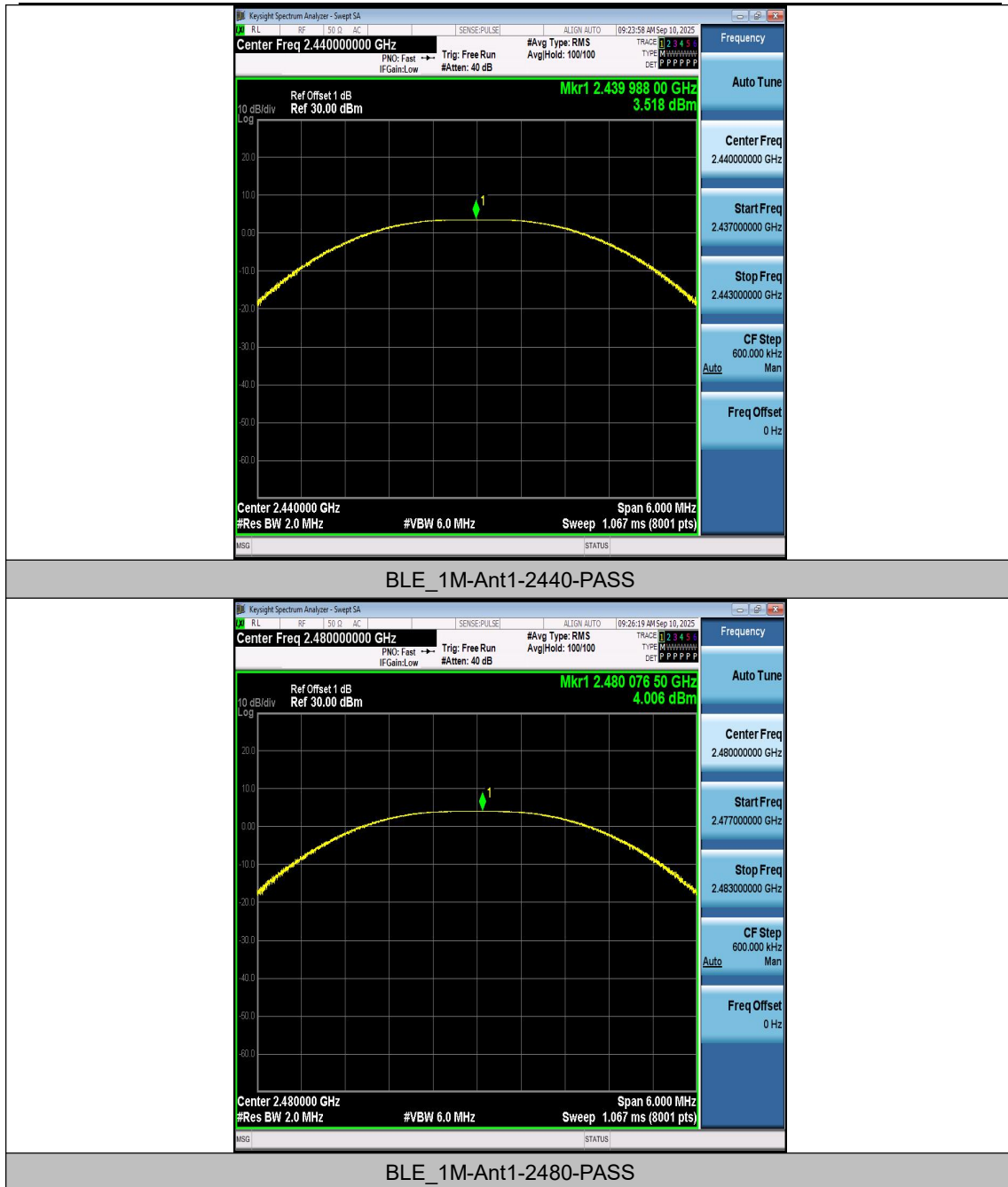
## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|-----------------|---------------------------|----------------------|---------|
| BLE_1M    | Ant1    | 2402            | 2.91                      | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2440            | 3.52                      | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2480            | 4.01                      | ≤30                  | PASS    |
| BLE_2M    | Ant1    | 2402            | 2.98                      | ≤30                  | PASS    |
| BLE_2M    | Ant1    | 2440            | 3.60                      | ≤30                  | PASS    |
| BLE_2M    | Ant1    | 2480            | <b>4.16</b>               | ≤30                  | PASS    |

### Test Graphs Peak

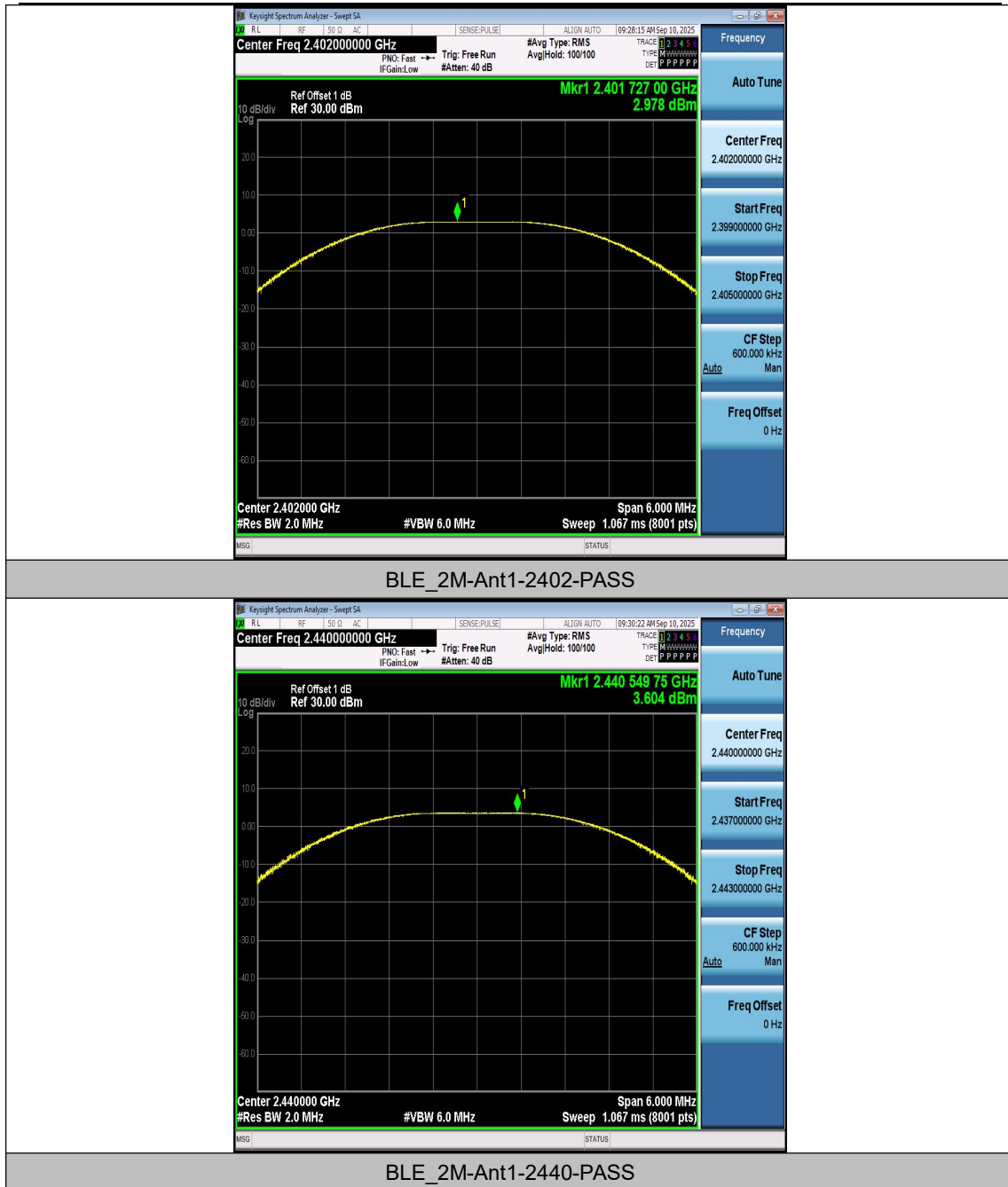




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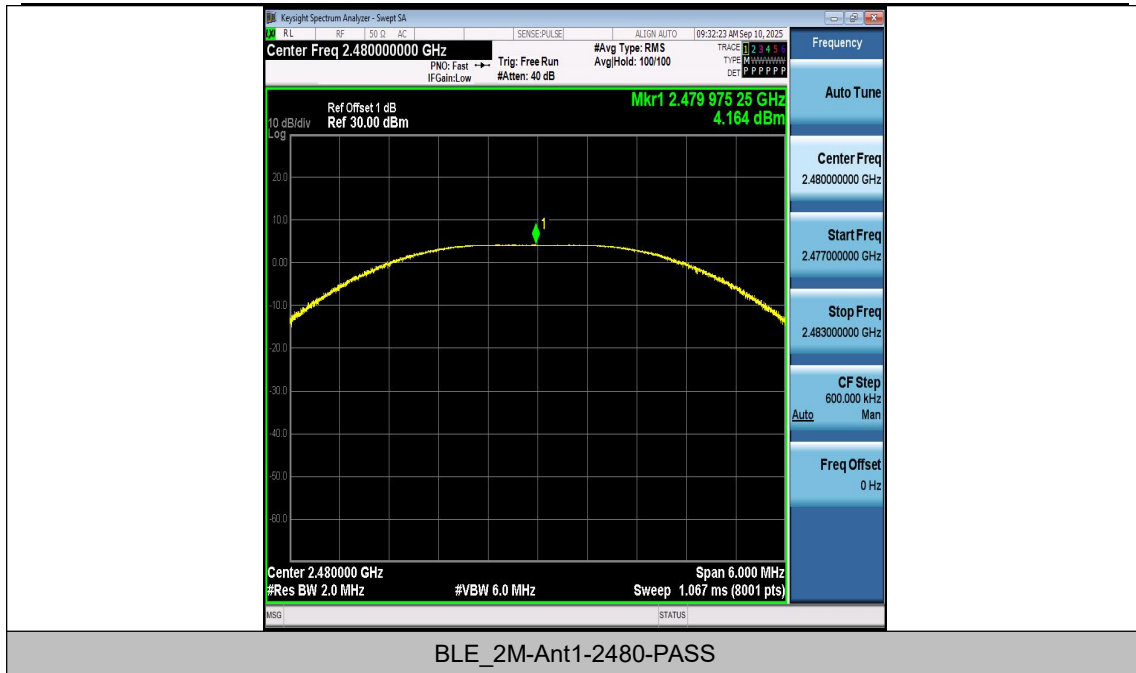
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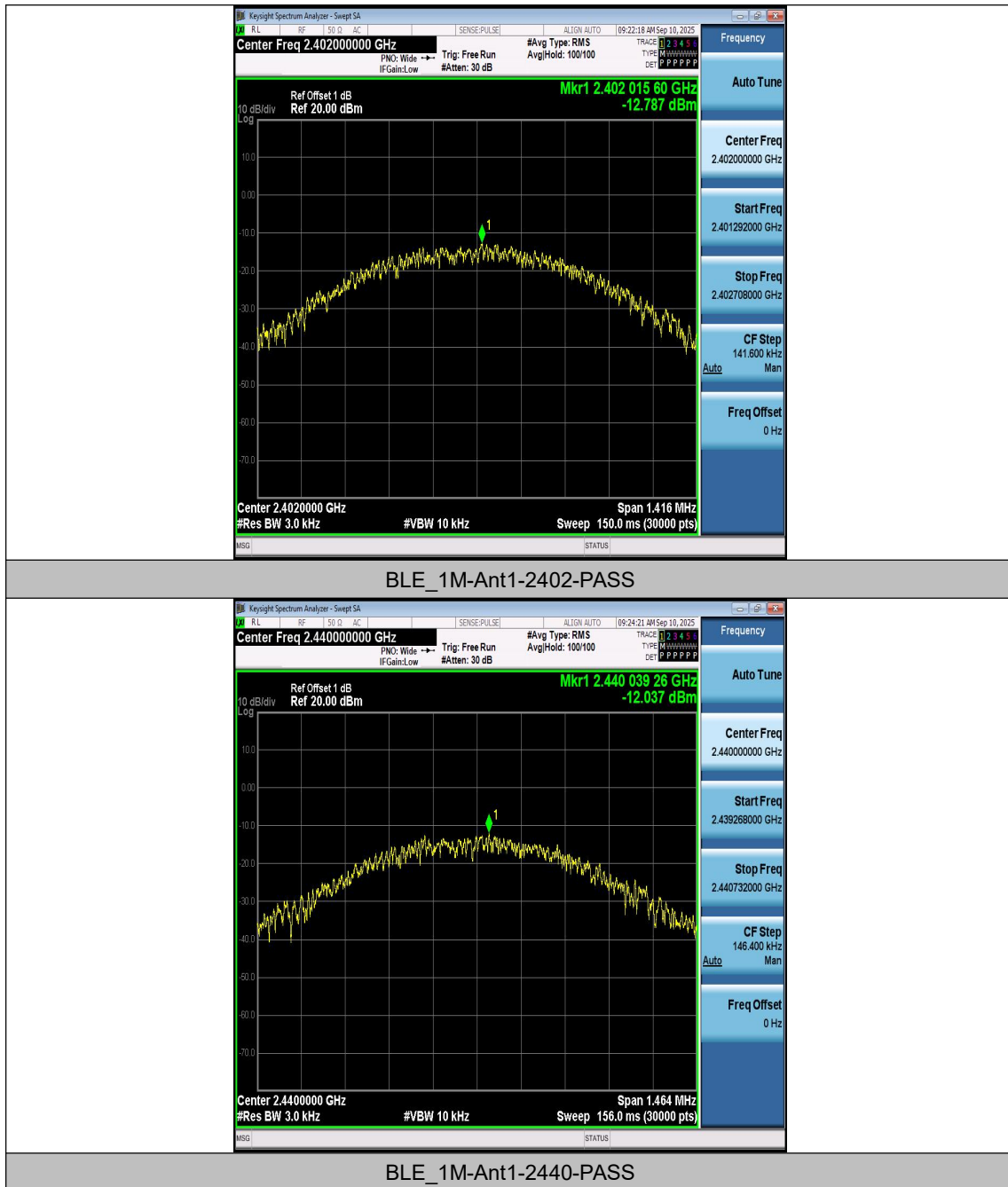
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## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -12.79           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -12.04           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -11.38           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402           | -14.38           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2440           | -13.99           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2480           | -13.40           | ≤8.00           | PASS    |

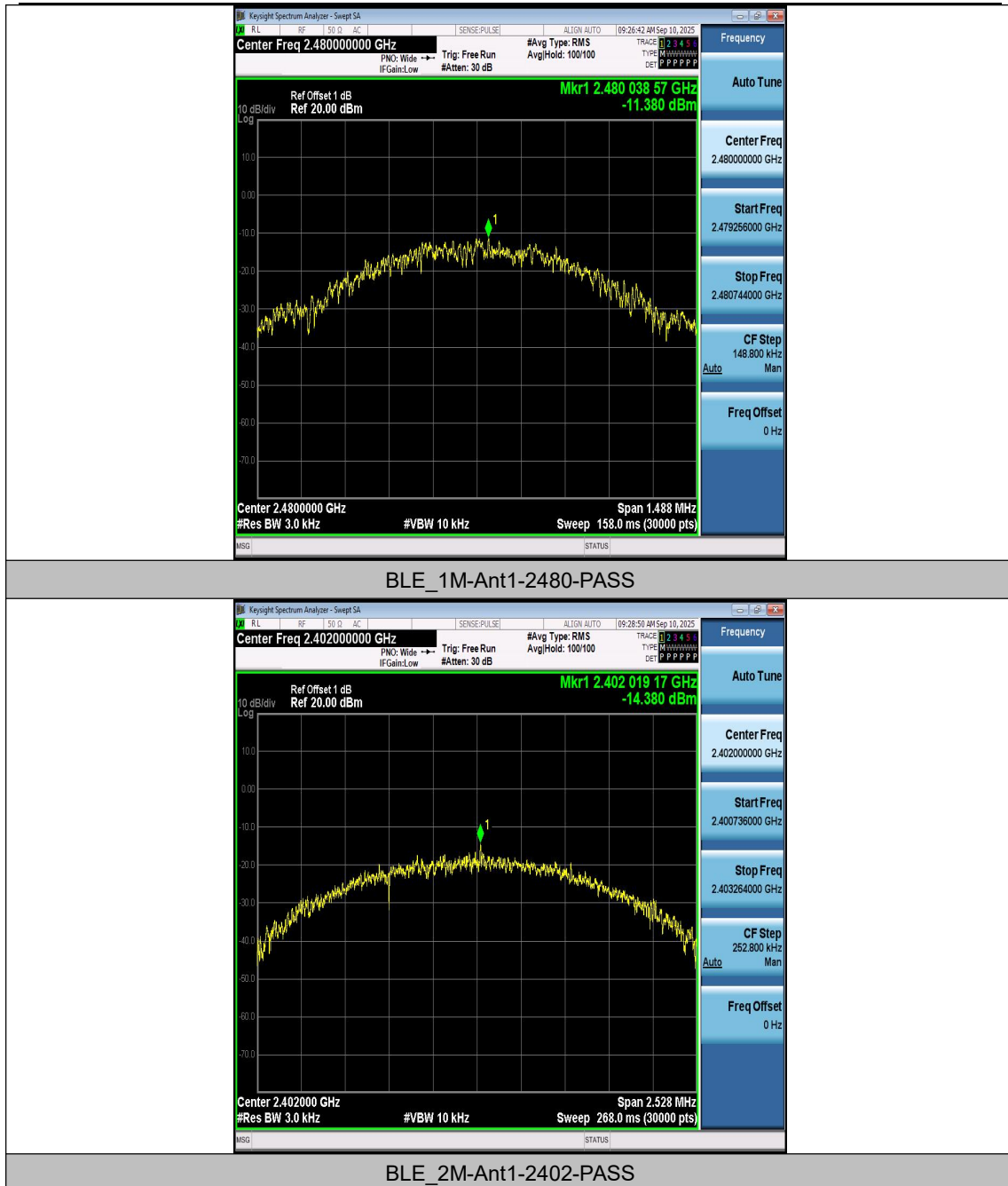
## Test Graphs



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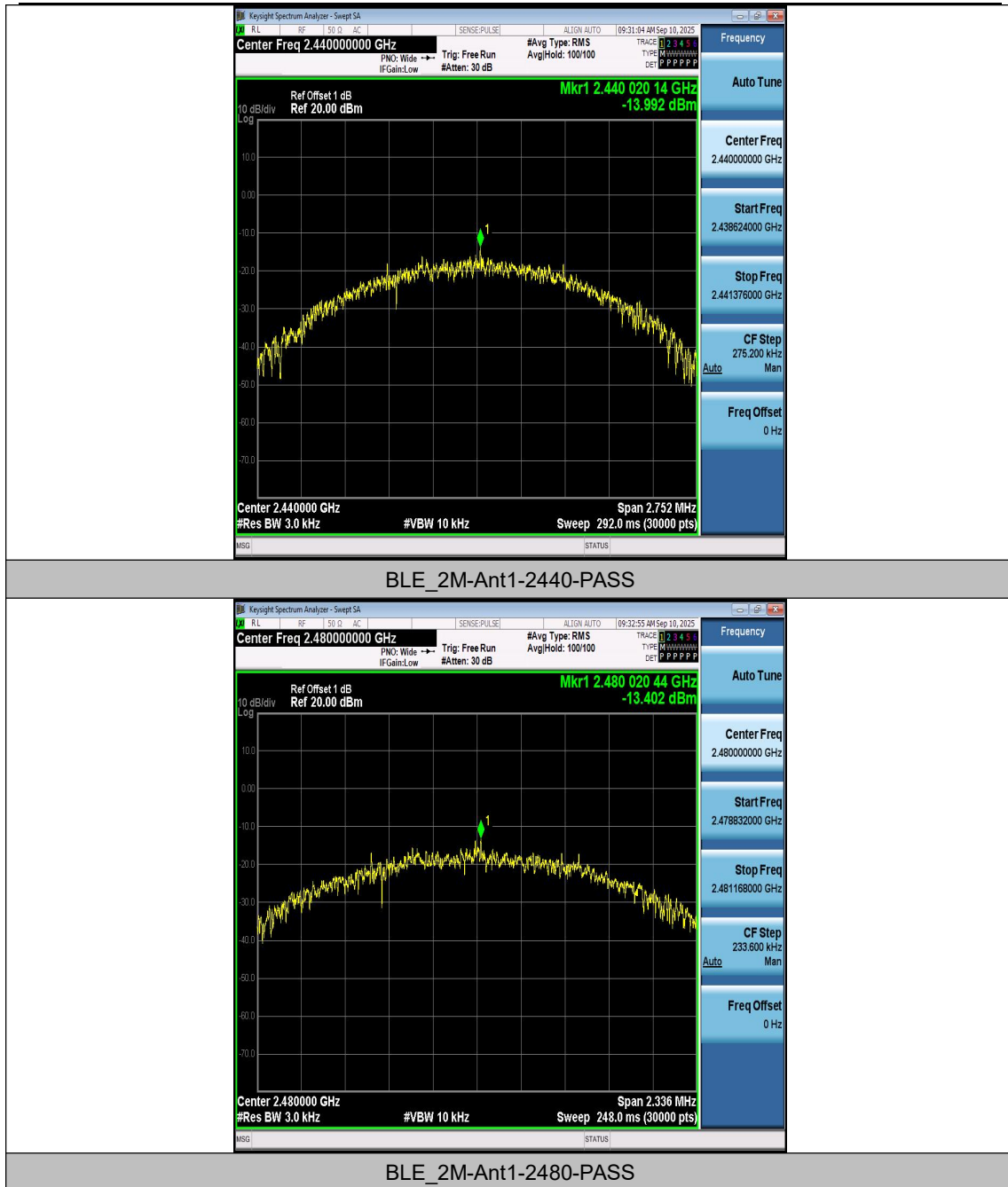
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## Appendix E: Band edge measurements

### Test Result

| Test Mode | Antenna | ChName | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|-----------------|----------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | Low    | 2402            | 1.95           | -44.58       | ≤-18.05     | PASS    |
| BLE_1M    | Ant1    | High   | 2480            | 2.80           | -47.74       | ≤-17.2      | PASS    |
| BLE_2M    | Ant1    | Low    | 2402            | 0.93           | -30.86       | ≤-19.07     | PASS    |
| BLE_2M    | Ant1    | High   | 2480            | 4.28           | -48.5        | ≤-15.72     | PASS    |