

## **Appendix for WIFI 2.4GHz**

Product Name: Body Camera  
Model No: B100

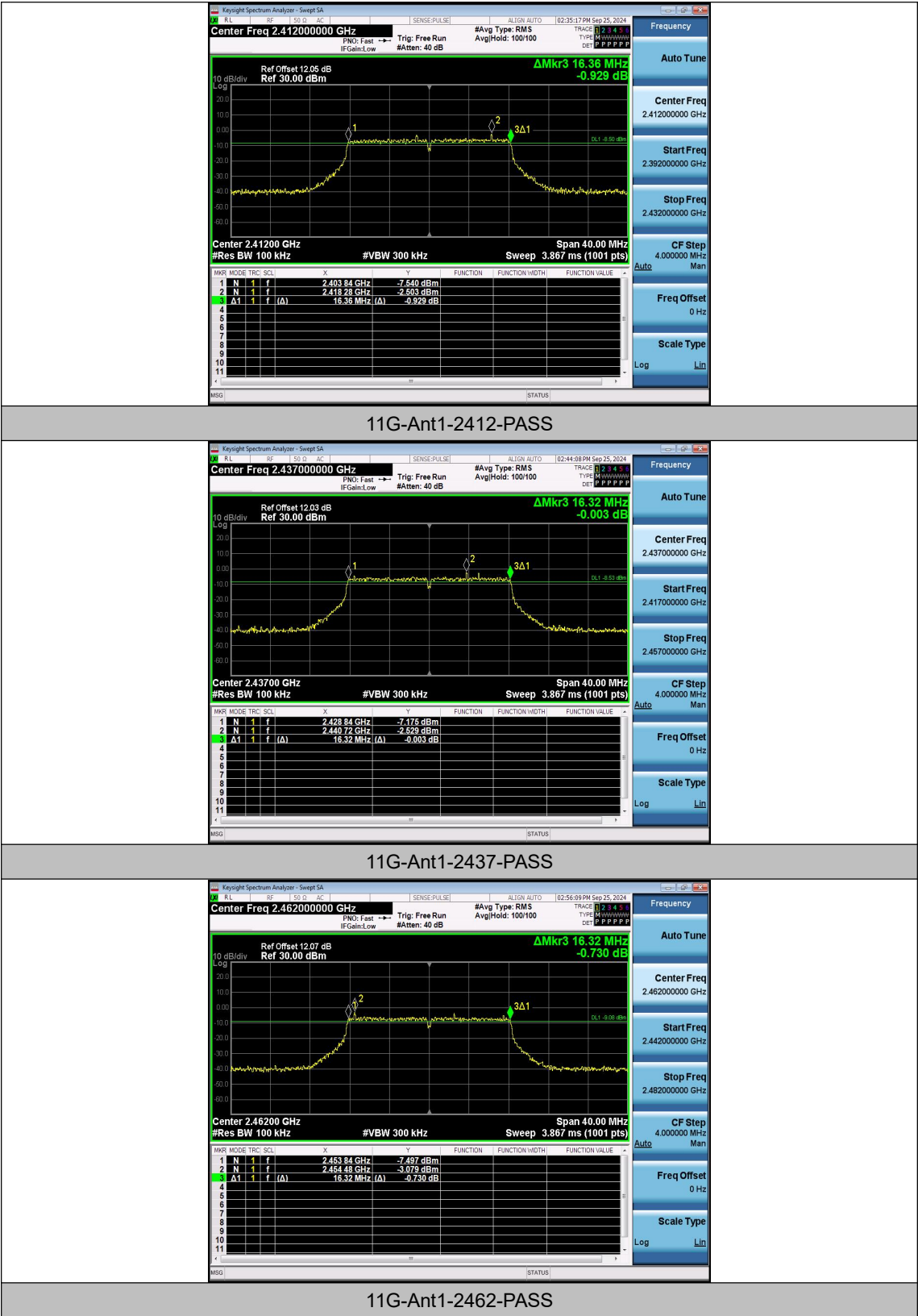
## Appendix A: DTS Bandwidth

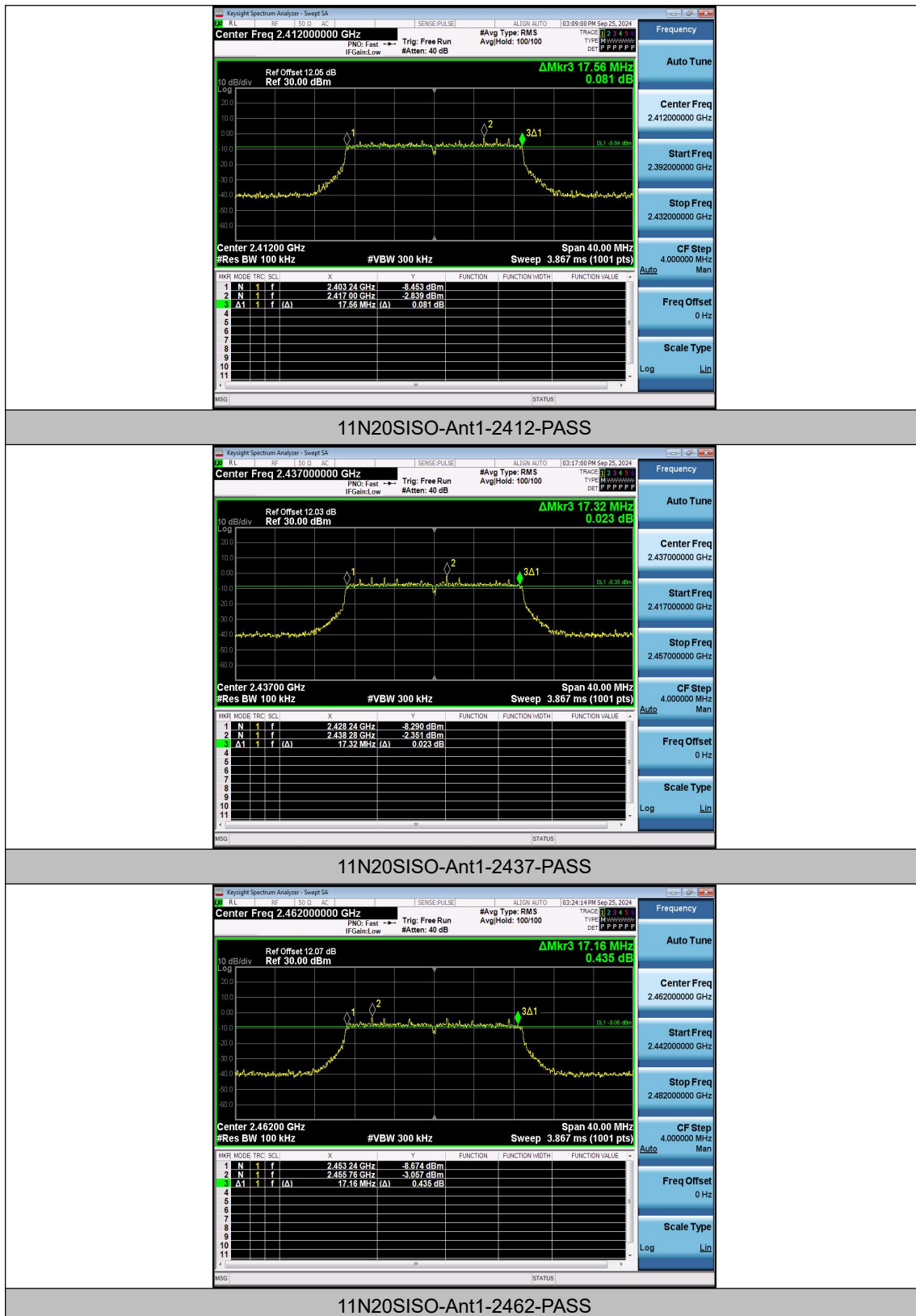
### Test Result

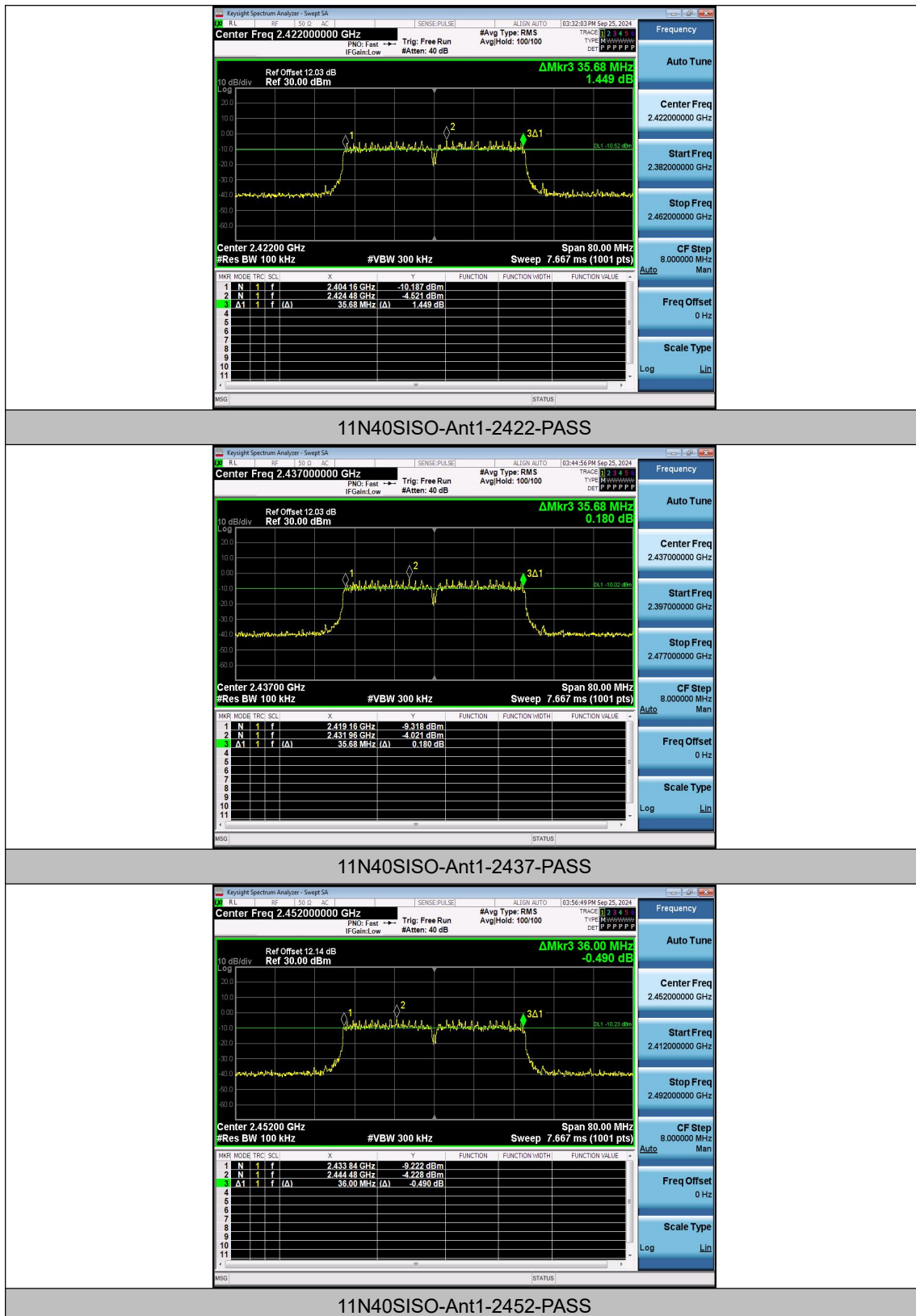
| TestMode  | Antenna | Frequency<br>[MHz] | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|--------------------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412               | 8.080           | 2407.960 | 2416.040 | 0.5        | PASS    |
| 11B       | Ant1    | 2437               | 8.520           | 2432.960 | 2441.480 | 0.5        | PASS    |
| 11B       | Ant1    | 2462               | 8.080           | 2457.960 | 2466.040 | 0.5        | PASS    |
| 11G       | Ant1    | 2412               | 16.360          | 2403.840 | 2420.200 | 0.5        | PASS    |
| 11G       | Ant1    | 2437               | 16.320          | 2428.840 | 2445.160 | 0.5        | PASS    |
| 11G       | Ant1    | 2462               | 16.320          | 2453.840 | 2470.160 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412               | 17.560          | 2403.240 | 2420.800 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2437               | 17.320          | 2428.240 | 2445.560 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2462               | 17.160          | 2453.240 | 2470.400 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422               | 35.680          | 2404.160 | 2439.840 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2437               | 35.680          | 2419.160 | 2454.840 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2452               | 36.000          | 2433.840 | 2469.840 | 0.5        | PASS    |

## Test Graphs









## Appendix B: Maximum conducted output power

### Test Result Peak

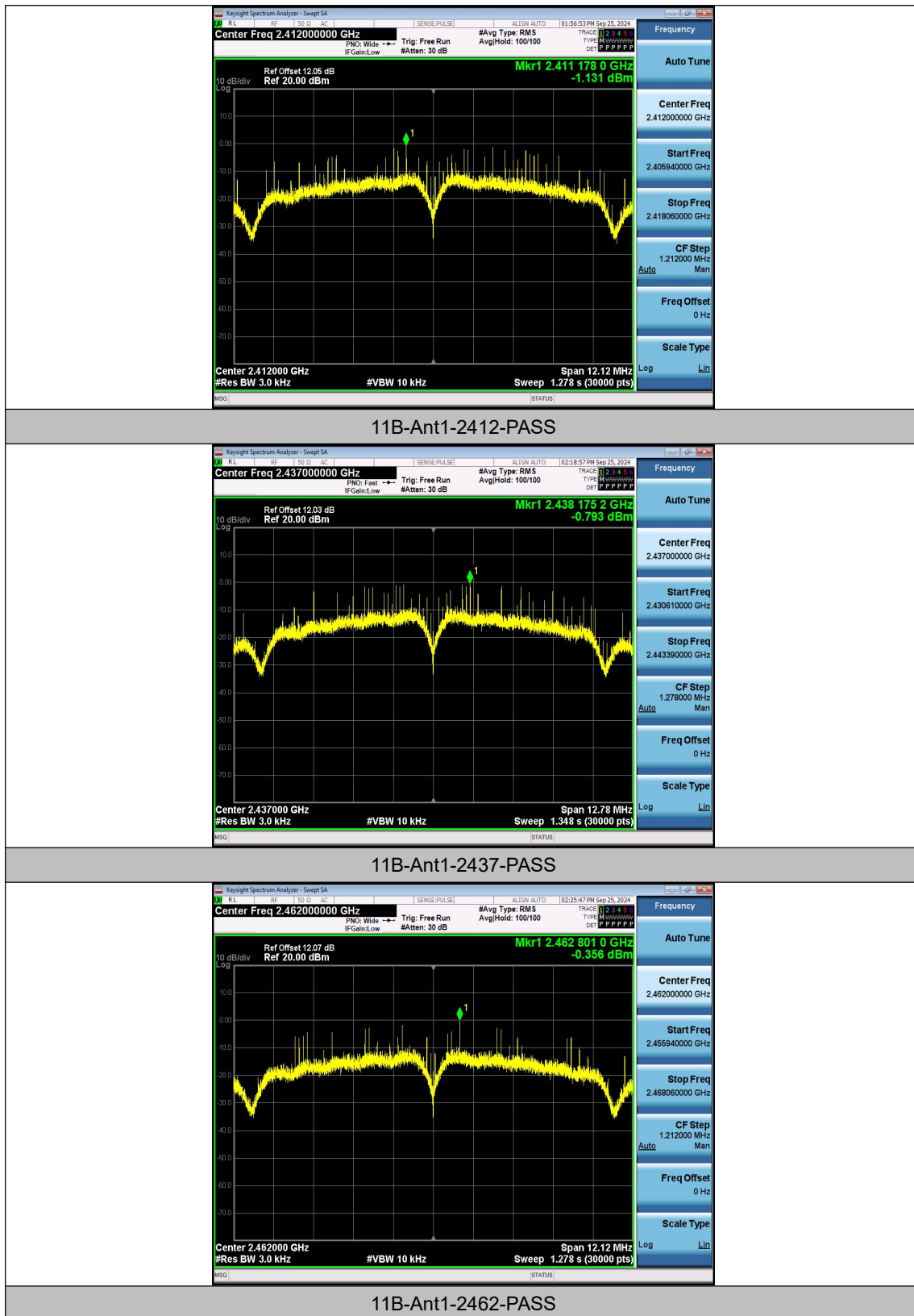
| TestMode  | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------------|---------|
| 11B       | Ant1    | 2412           | 13.46           | ≤30.00               | PASS    |
| 11B       | Ant1    | 2437           | 14.26           | ≤30.00               | PASS    |
| 11B       | Ant1    | 2462           | 13.19           | ≤30.00               | PASS    |
| 11G       | Ant1    | 2412           | 9.22            | ≤30.00               | PASS    |
| 11G       | Ant1    | 2437           | 9.01            | ≤30.00               | PASS    |
| 11G       | Ant1    | 2462           | 8.56            | ≤30.00               | PASS    |
| 11N20SISO | Ant1    | 2412           | 8.61            | ≤30.00               | PASS    |
| 11N20SISO | Ant1    | 2437           | 8.51            | ≤30.00               | PASS    |
| 11N20SISO | Ant1    | 2462           | 7.50            | ≤30.00               | PASS    |
| 11N40SISO | Ant1    | 2422           | 9.21            | ≤30.00               | PASS    |
| 11N40SISO | Ant1    | 2437           | 11.16           | ≤30.00               | PASS    |
| 11N40SISO | Ant1    | 2452           | 10.13           | ≤30.00               | PASS    |

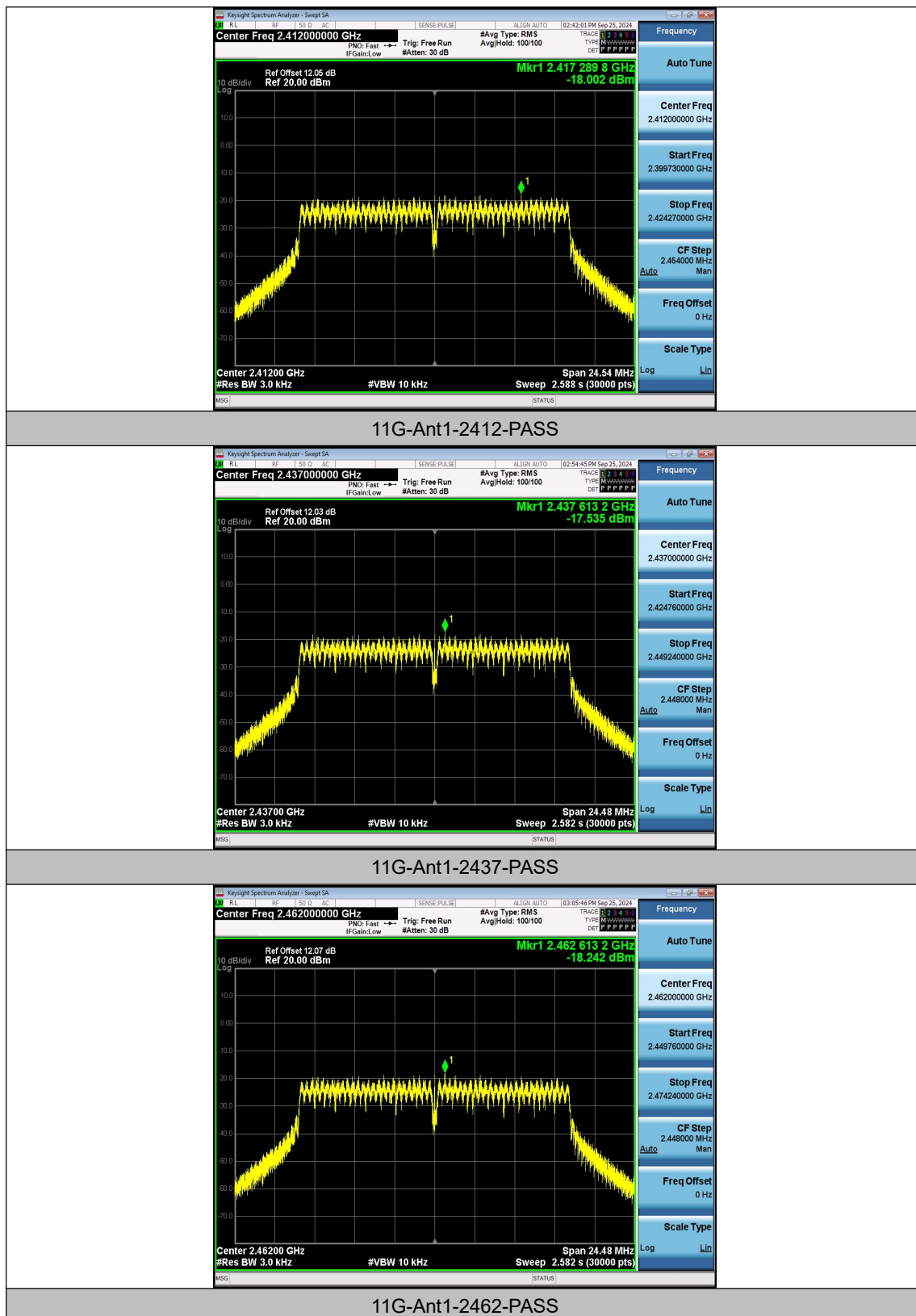
## Appendix C: Maximum power spectral density

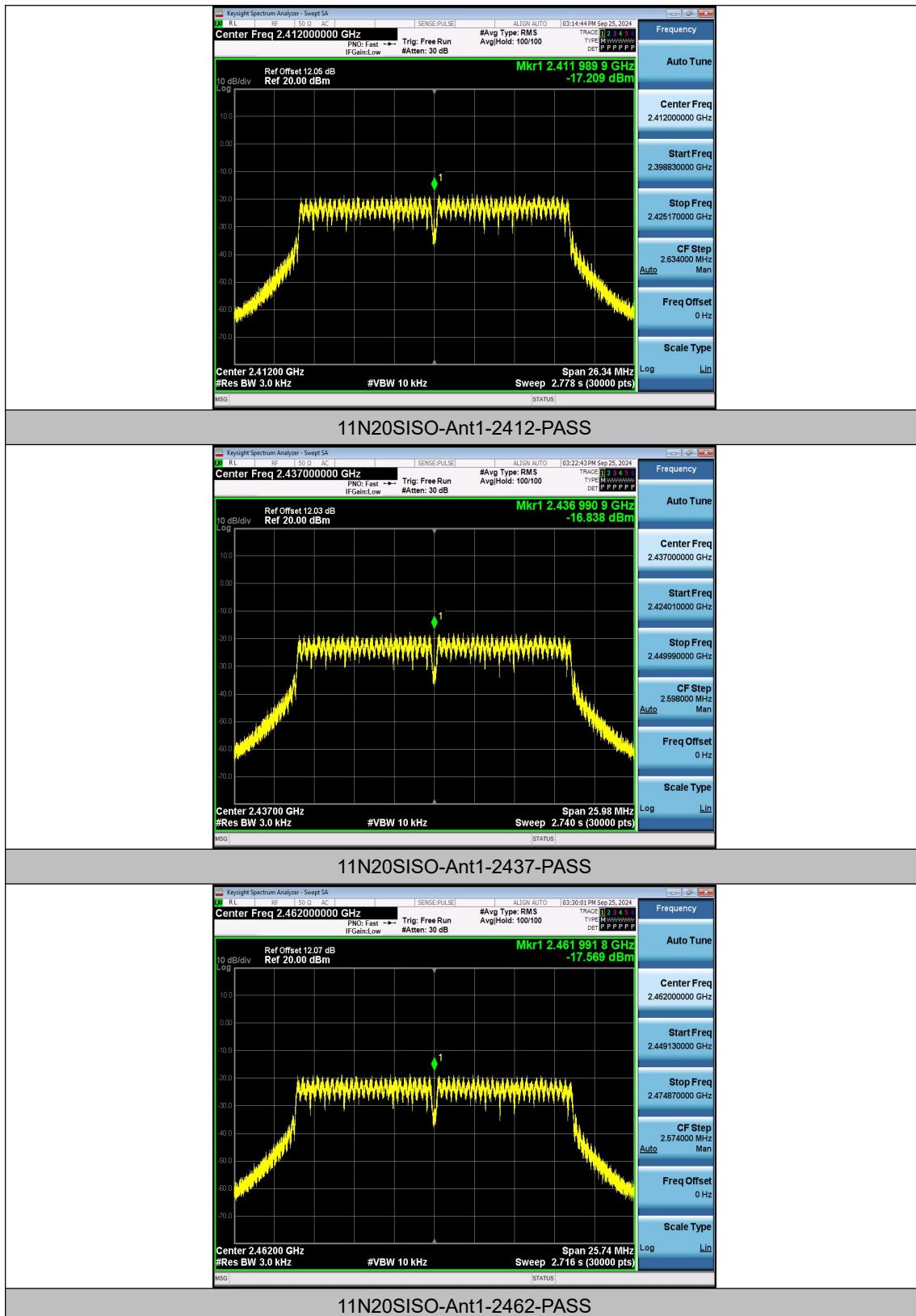
### Test Result

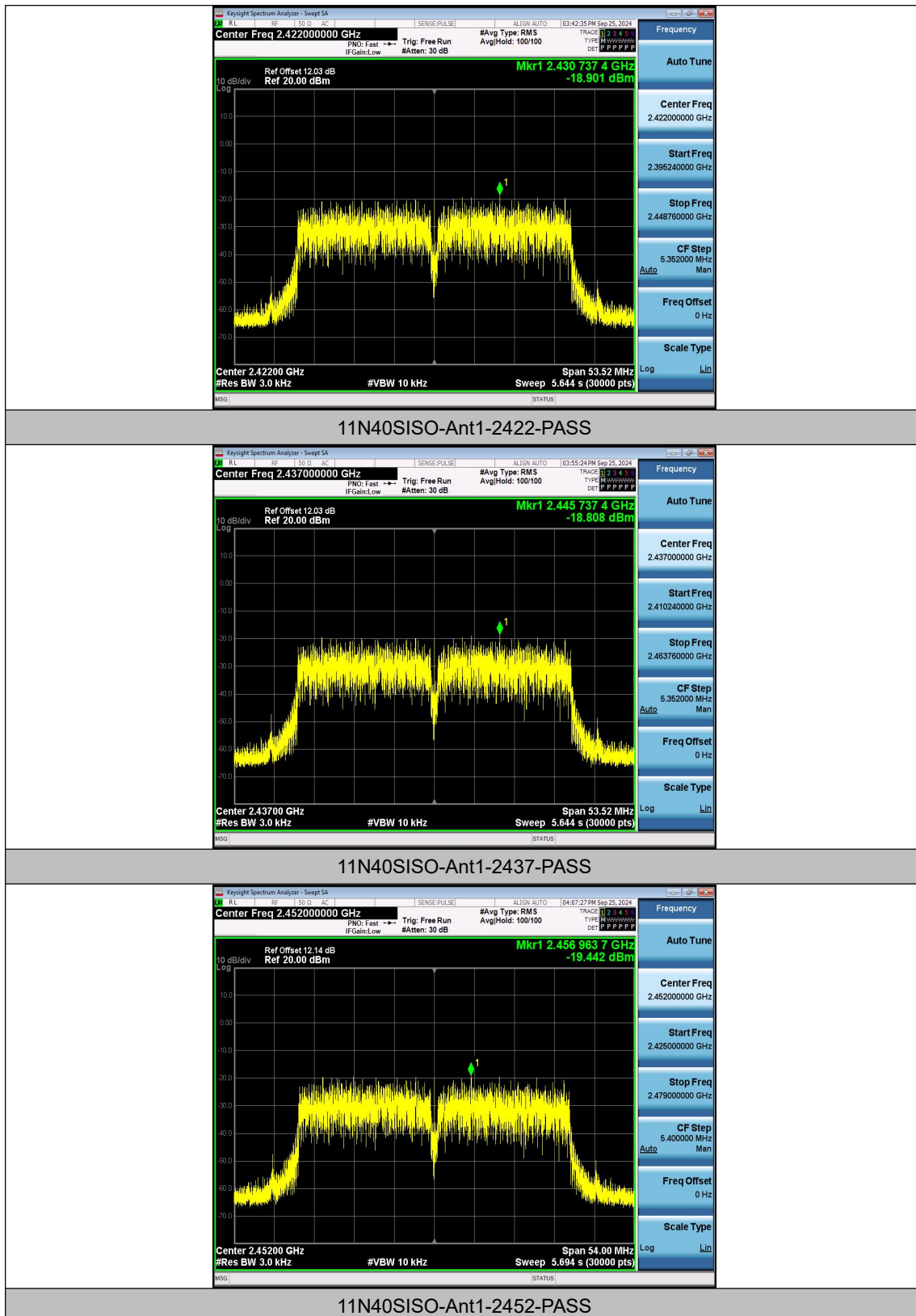
| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -1.13                | ≤8.00           | PASS    |
| 11B       | Ant1    | 2437           | -0.79                | ≤8.00           | PASS    |
| 11B       | Ant1    | 2462           | -0.36                | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -18.00               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2437           | -17.54               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2462           | -18.24               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -17.21               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2437           | -16.84               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2462           | -17.57               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422           | -18.90               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2437           | -18.81               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2452           | -19.44               | ≤8.00           | PASS    |

## Test Graphs









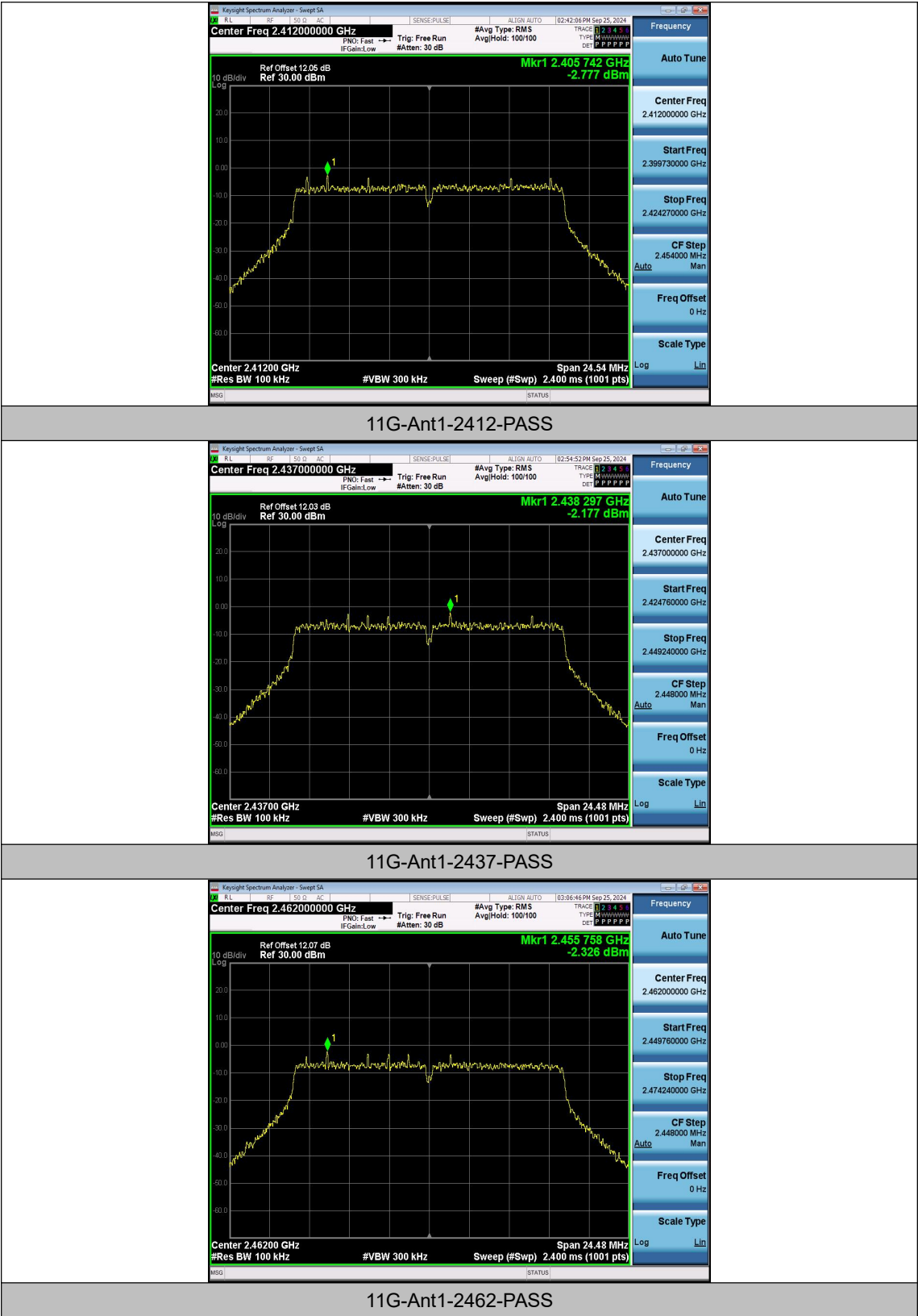
## Appendix D: Reference level measurement

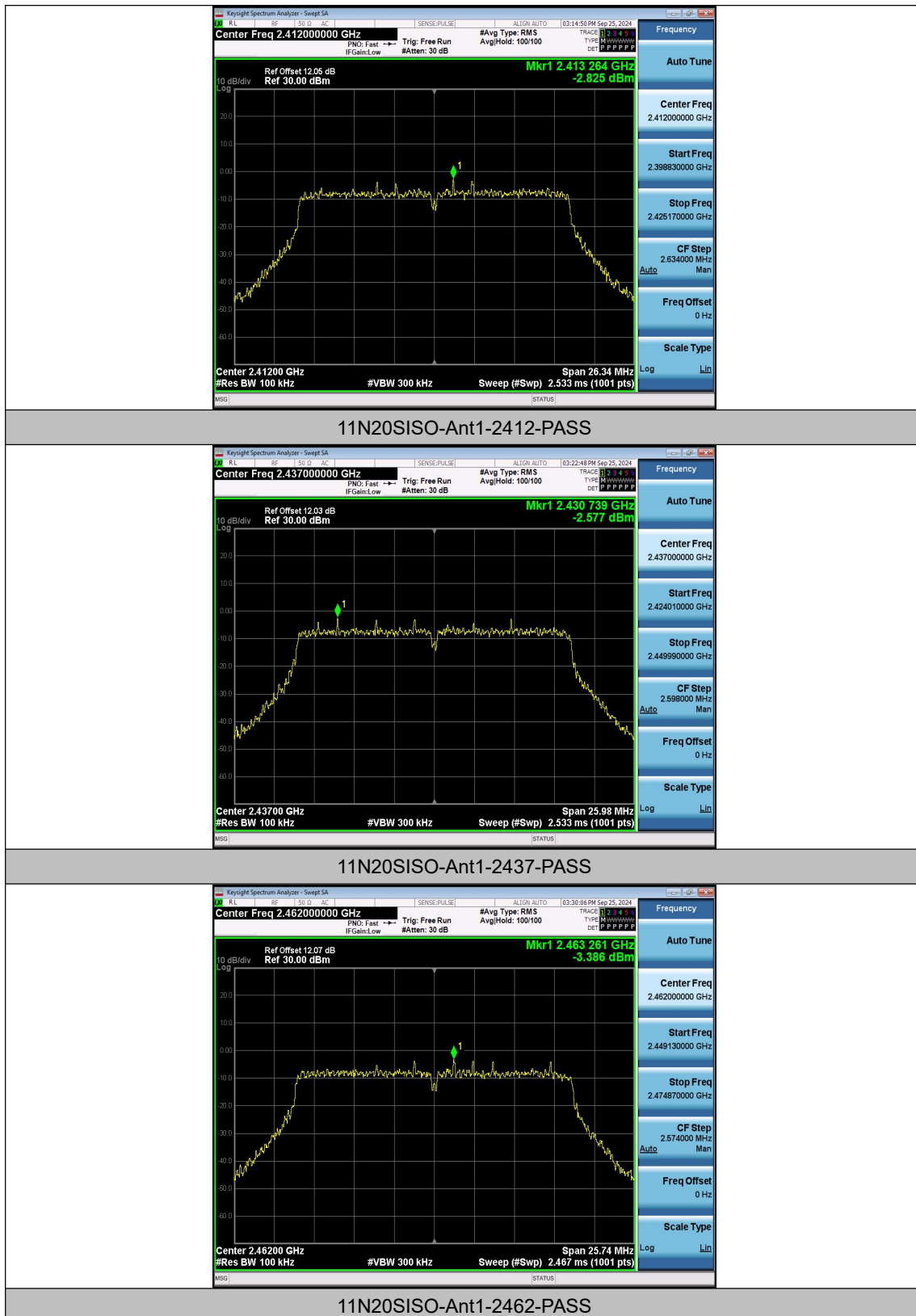
### Test Result

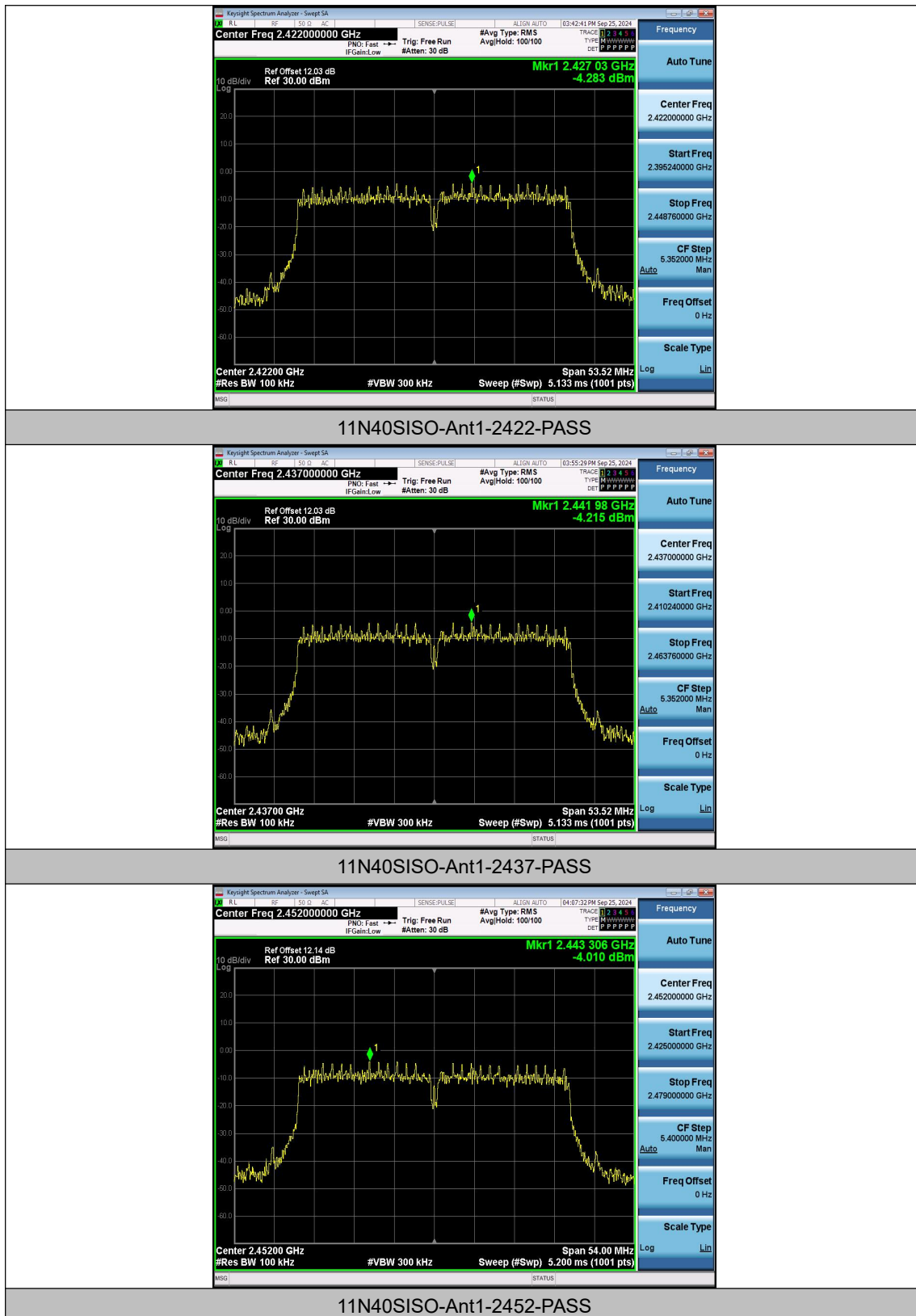
| TestMode  | Antenna | Freq(MHz) | Max.Point[MHz] | Result[dBm] |
|-----------|---------|-----------|----------------|-------------|
| 11B       | Ant1    | 2412      | 2413.50        | 5.03        |
| 11B       | Ant1    | 2437      | 2437.52        | 5.79        |
| 11B       | Ant1    | 2462      | 2461.50        | 6.82        |
| 11G       | Ant1    | 2412      | 2405.74        | -2.78       |
| 11G       | Ant1    | 2437      | 2438.30        | -2.18       |
| 11G       | Ant1    | 2462      | 2455.76        | -2.33       |
| 11N20SISO | Ant1    | 2412      | 2413.26        | -2.83       |
| 11N20SISO | Ant1    | 2437      | 2430.74        | -2.58       |
| 11N20SISO | Ant1    | 2462      | 2463.26        | -3.39       |
| 11N40SISO | Ant1    | 2422      | 2427.03        | -4.28       |
| 11N40SISO | Ant1    | 2437      | 2441.98        | -4.22       |
| 11N40SISO | Ant1    | 2452      | 2443.31        | -4.01       |

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 |
|-----------|---------|--------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | Ant1    | Low    | 2412               | 5.03              | -43.91          | $\leq -14.97$  | PASS    |
| 11B       | Ant1    | High   | 2462               | 6.82              | -46.04          | $\leq -13.18$  | PASS    |
| 11G       | Ant1    | Low    | 2412               | -2.78             | -41.79          | $\leq -22.78$  | PASS    |
| 11G       | Ant1    | High   | 2462               | -2.33             | -46.74          | $\leq -22.33$  | PASS    |
| 11N20SISO | Ant1    | Low    | 2412               | -2.83             | -40.29          | $\leq -22.83$  | PASS    |
| 11N20SISO | Ant1    | High   | 2462               | -3.39             | -46.55          | $\leq -23.39$  | PASS    |
| 11N40SISO | Ant1    | Low    | 2422               | -4.28             | -41.36          | $\leq -24.28$  | PASS    |
| 11N40SISO | Ant1    | High   | 2452               | -4.01             | -43.27          | $\leq -24.01$  | PASS    |