

## Appendix Test Data

|                  |                 |                    |                   |
|------------------|-----------------|--------------------|-------------------|
| Report No.:      | 18220WC30010501 | Test Sample No.:   | 1-2-2             |
| Start Test Date: | 2023.02.07      | Finish Test Date:  | 2023.02.16        |
| Test Engineer:   | <i>Tony He</i>  | Auditor:           | <i>Edward Pan</i> |
| Temperature:     | 23.3°C          | Relative Humidity: | 40 %              |
| Pressure:        | 1012 hPa        |                    |                   |

## Appendix A: DTS Bandwidth

## Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B      | Ant1    | 2412           | 9.080        | 2407.440 | 2416.520 | ≥0.5       | PASS    |
|          |         | 2437           | 9.080        | 2432.400 | 2441.480 | ≥0.5       | PASS    |
|          |         | 2462           | 9.040        | 2457.440 | 2466.480 | ≥0.5       | PASS    |
| 11G      | Ant1    | 2412           | 12.600       | 2405.640 | 2418.240 | ≥0.5       | PASS    |
|          |         | 2437           | 12.520       | 2430.880 | 2443.400 | ≥0.5       | PASS    |
|          |         | 2462           | 16.080       | 2453.800 | 2469.880 | ≥0.5       | PASS    |
| 11N20    | Ant1    | 2412           | 13.840       | 2405.640 | 2419.480 | ≥0.5       | PASS    |
|          |         | 2437           | 15.680       | 2429.040 | 2444.720 | ≥0.5       | PASS    |
|          |         | 2462           | 15.440       | 2454.040 | 2469.480 | ≥0.5       | PASS    |



## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462

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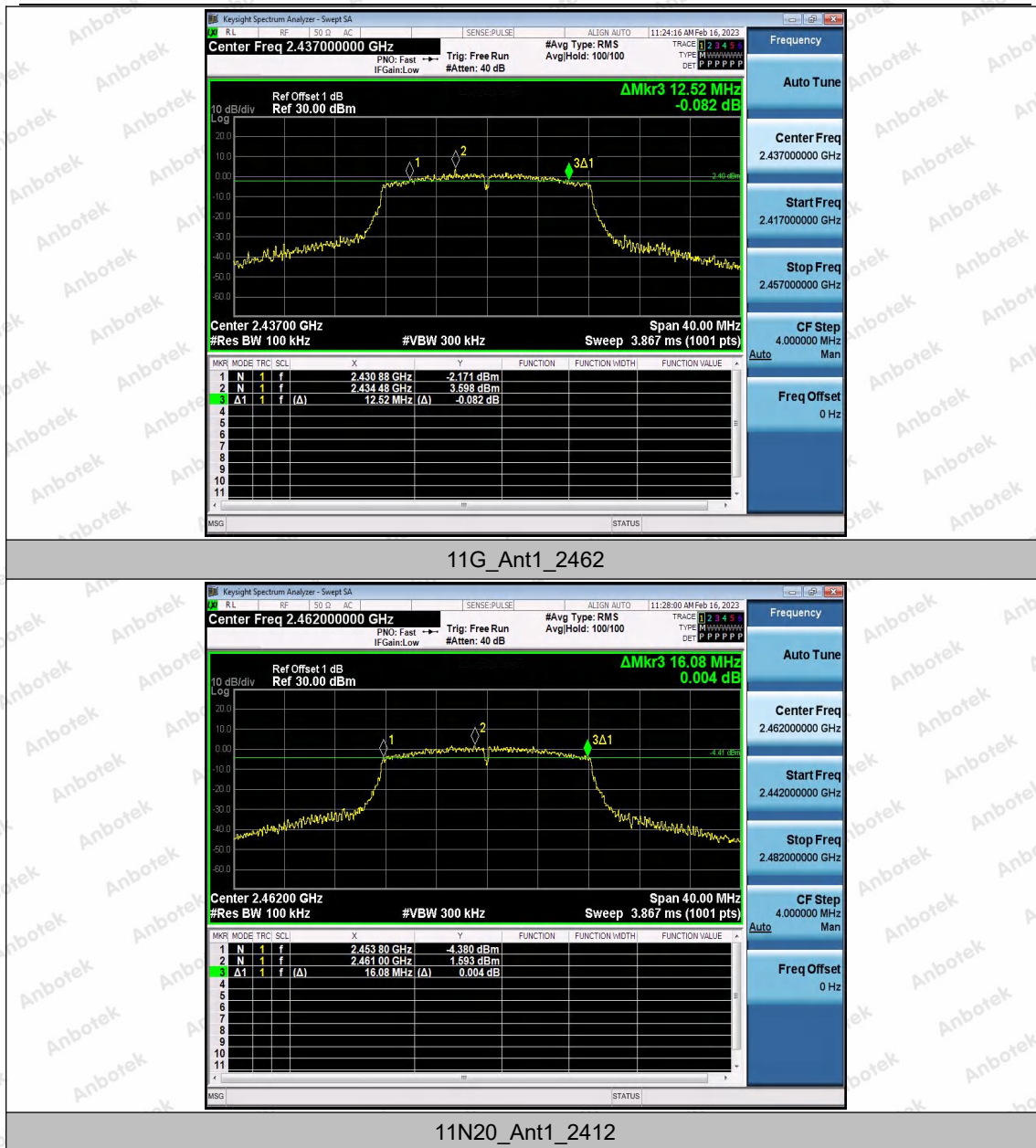
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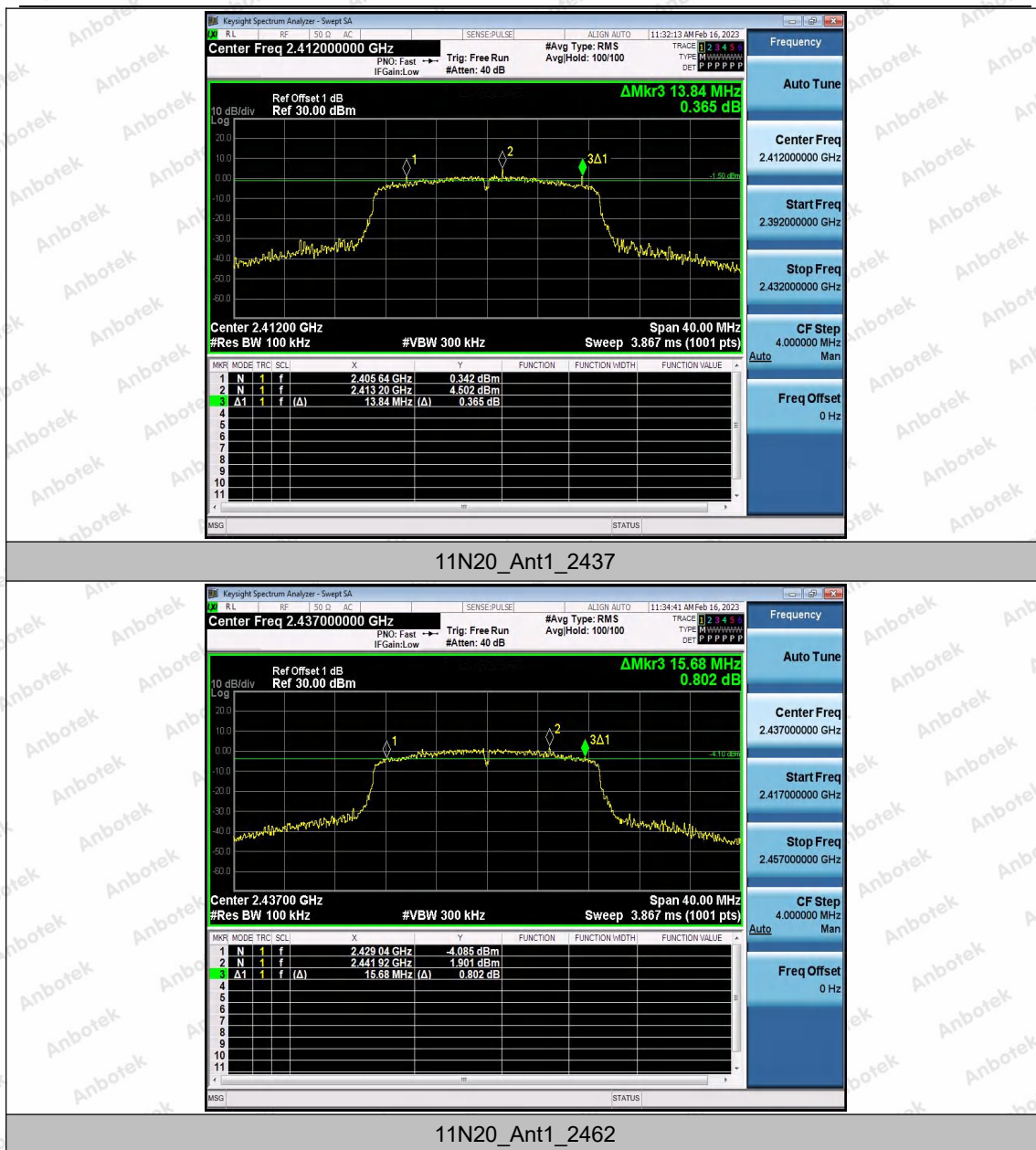
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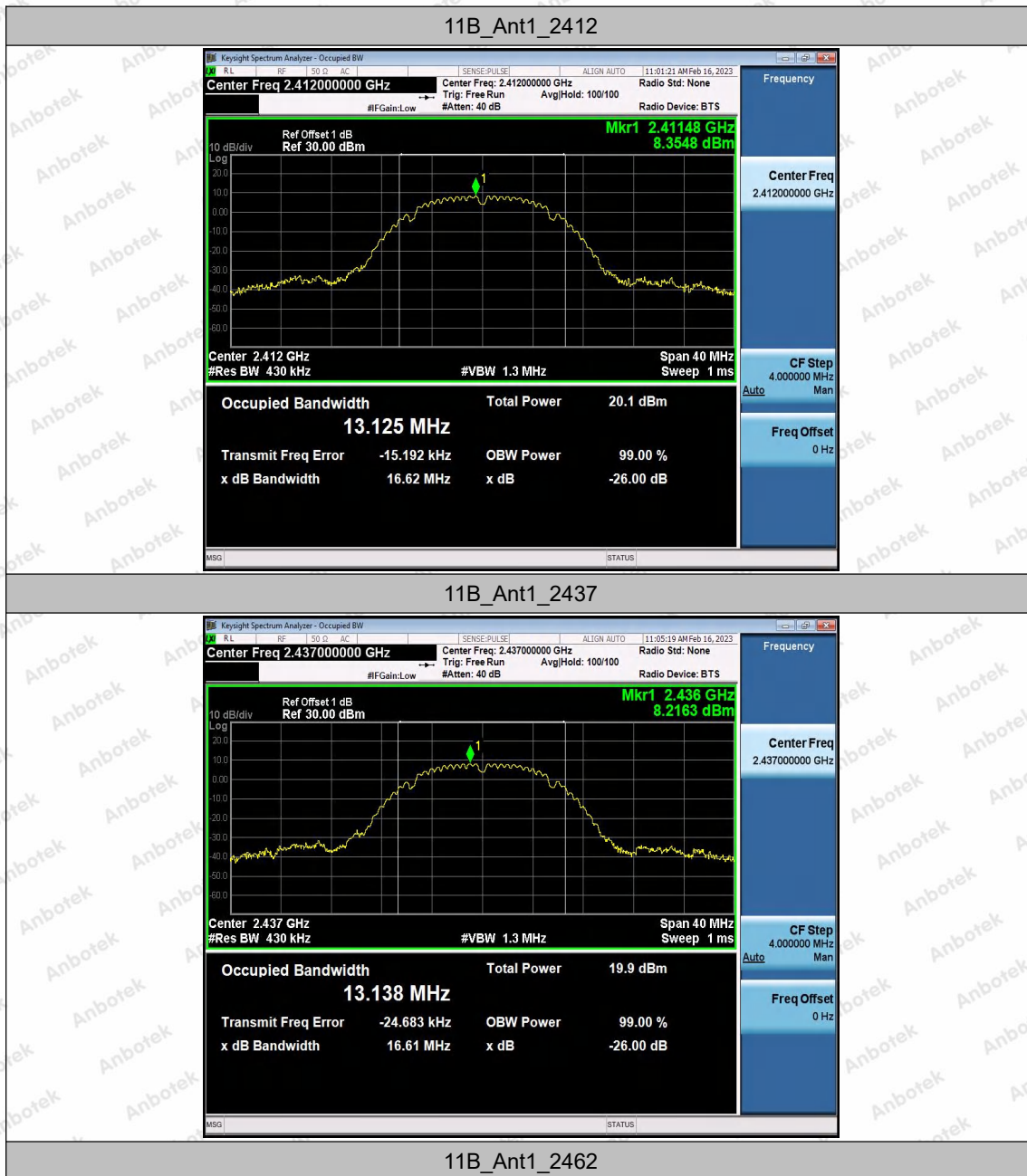
## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|---------------------------|--------------|-----------|-----------|------------|---------|
| 11B      | Ant1    | 2412                      | 13.125       | 2405.4223 | 2418.5473 | ---        | ---     |
|          |         | 2437                      | 13.138       | 2430.4063 | 2443.5443 | ---        | ---     |
|          |         | 2462                      | 13.139       | 2455.4045 | 2468.5435 | ---        | ---     |
| 11G      | Ant1    | 2412                      | 16.383       | 2403.7897 | 2420.1727 | ---        | ---     |
|          |         | 2437                      | 16.461       | 2428.7364 | 2445.1974 | ---        | ---     |
|          |         | 2462                      | 16.377       | 2453.7685 | 2470.1455 | ---        | ---     |
| 11N20    | Ant1    | 2412                      | 17.281       | 2403.3374 | 2420.6184 | ---        | ---     |
|          |         | 2437                      | 17.292       | 2428.3121 | 2445.6041 | ---        | ---     |
|          |         | 2462                      | 17.318       | 2453.3032 | 2470.6212 | ---        | ---     |



## Test Graphs



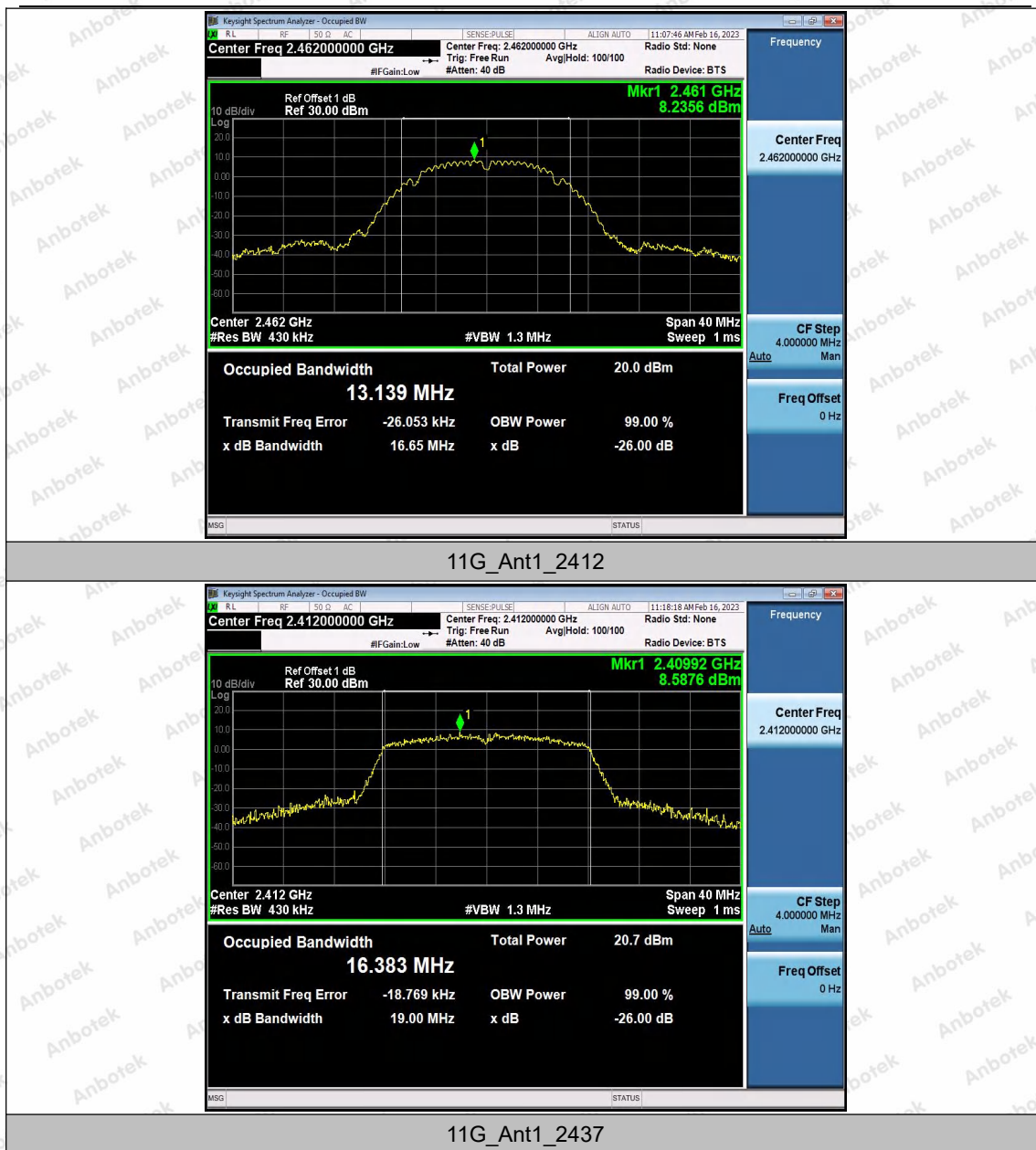
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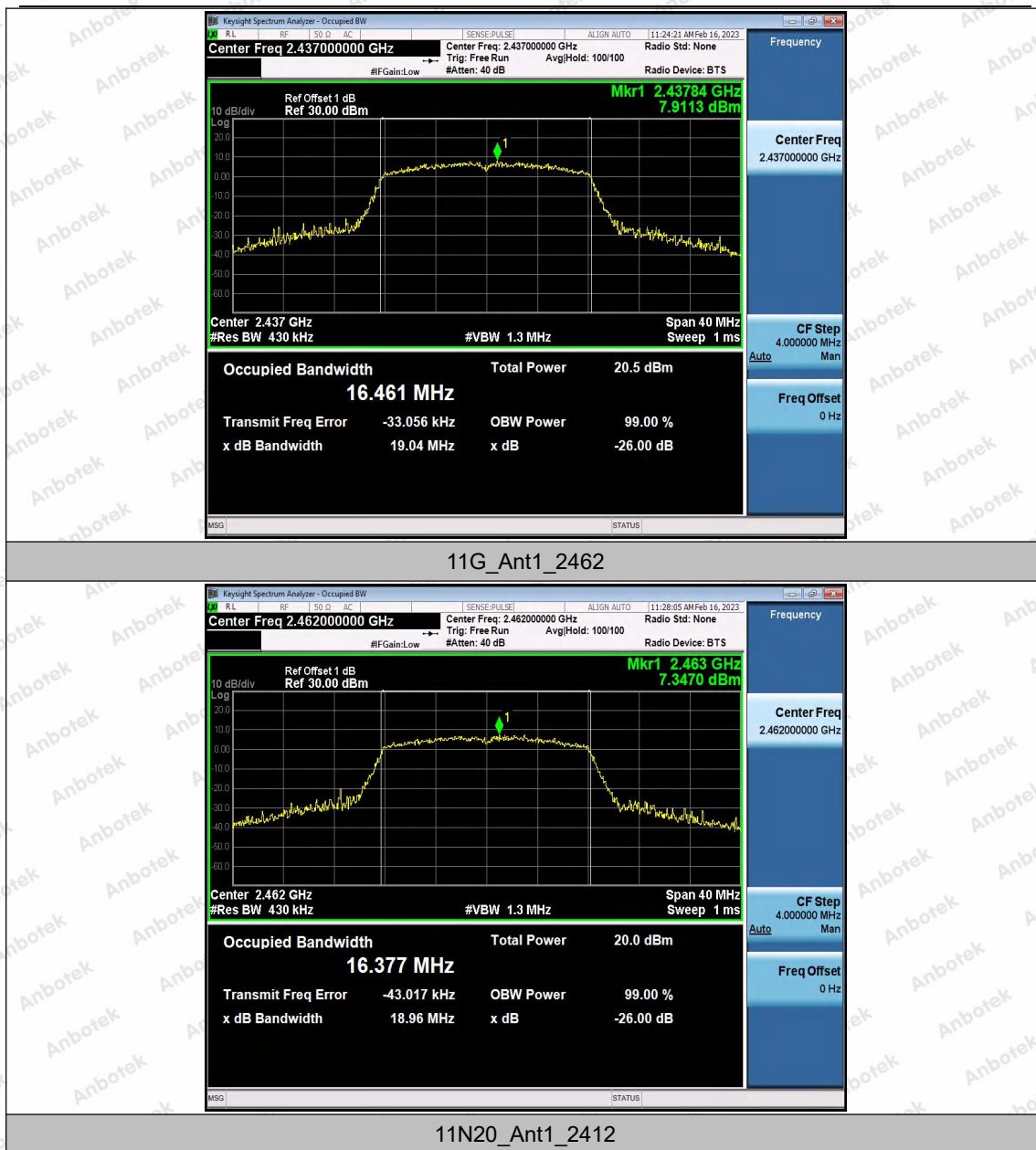
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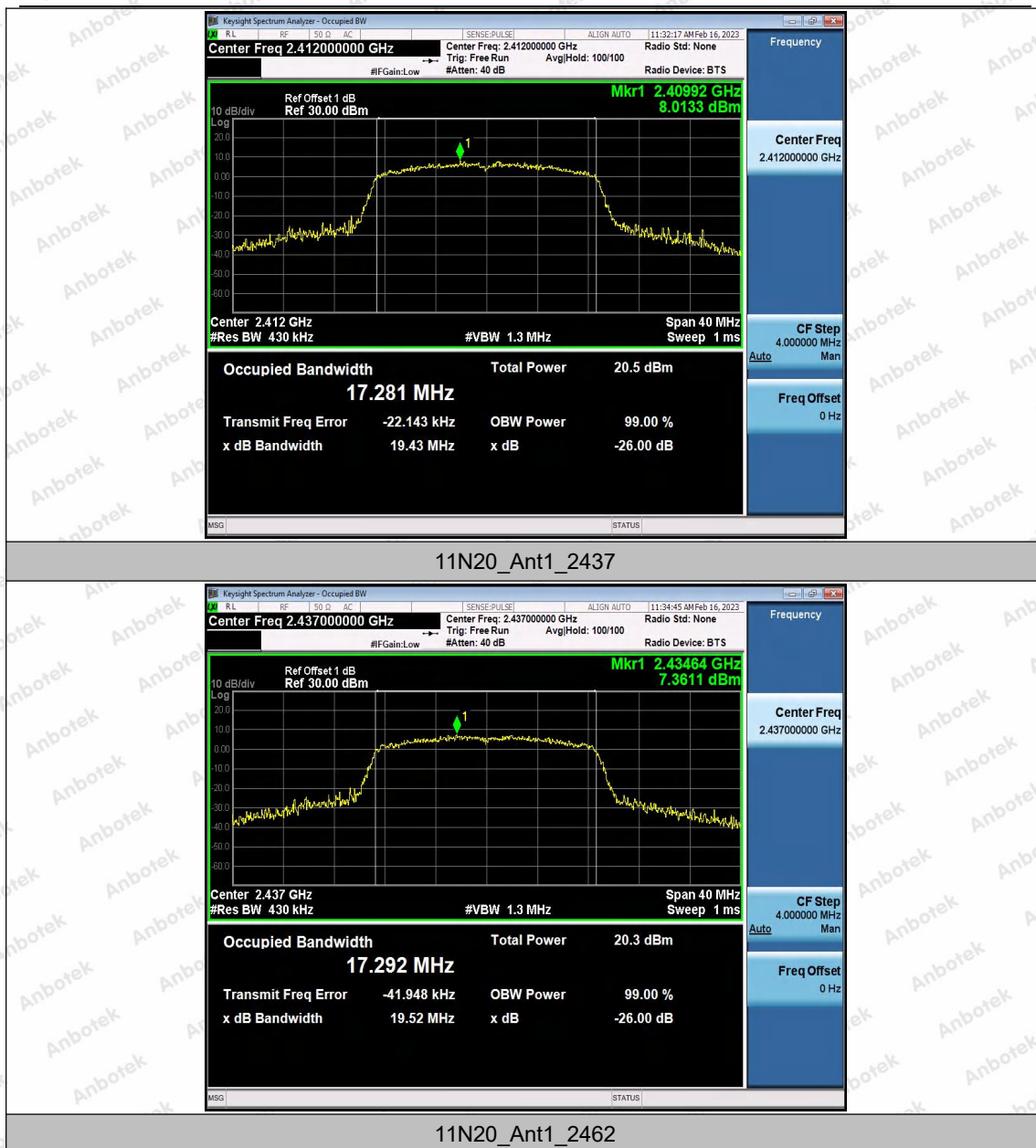
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## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] |
|----------|---------|----------------|-----------------|----------------------|
| 11B      | Ant1    | 2412           | 20.13           | ≤30.00               |
|          |         | 2437           | 19.97           | ≤30.00               |
|          |         | 2462           | 19.96           | ≤30.00               |
| 11G      | Ant1    | 2412           | 21.29           | ≤30.00               |
|          |         | 2437           | 21.55           | ≤30.00               |
|          |         | 2462           | 21.17           | ≤30.00               |
| 11N20    | Ant1    | 2412           | 21.63           | ≤30.00               |
|          |         | 2437           | 21.04           | ≤30.00               |
|          |         | 2462           | 21.52           | ≤30.00               |



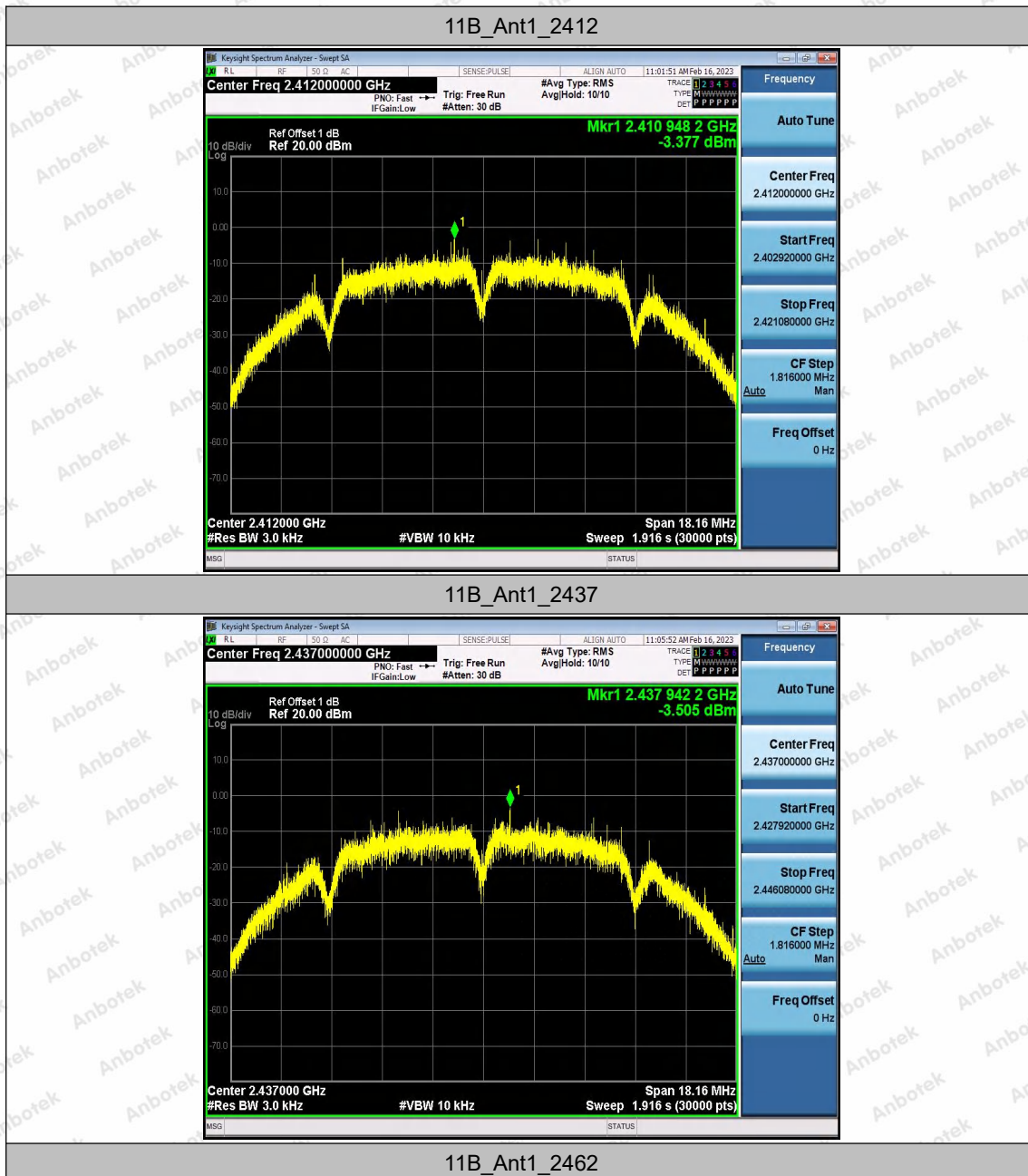
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| 11B      | Ant1    | 2412           | -3.38            | ≤8.00           | PASS    |
|          |         | 2437           | -3.51            | ≤8.00           | PASS    |
|          |         | 2462           | -3.46            | ≤8.00           | PASS    |
| 11G      | Ant1    | 2412           | -10.33           | ≤8.00           | PASS    |
|          |         | 2437           | -8.36            | ≤8.00           | PASS    |
|          |         | 2462           | -9.36            | ≤8.00           | PASS    |
| 11N20    | Ant1    | 2412           | -9.25            | ≤8.00           | PASS    |
|          |         | 2437           | -10.25           | ≤8.00           | PASS    |
|          |         | 2462           | -10.25           | ≤8.00           | PASS    |



## Test Graphs



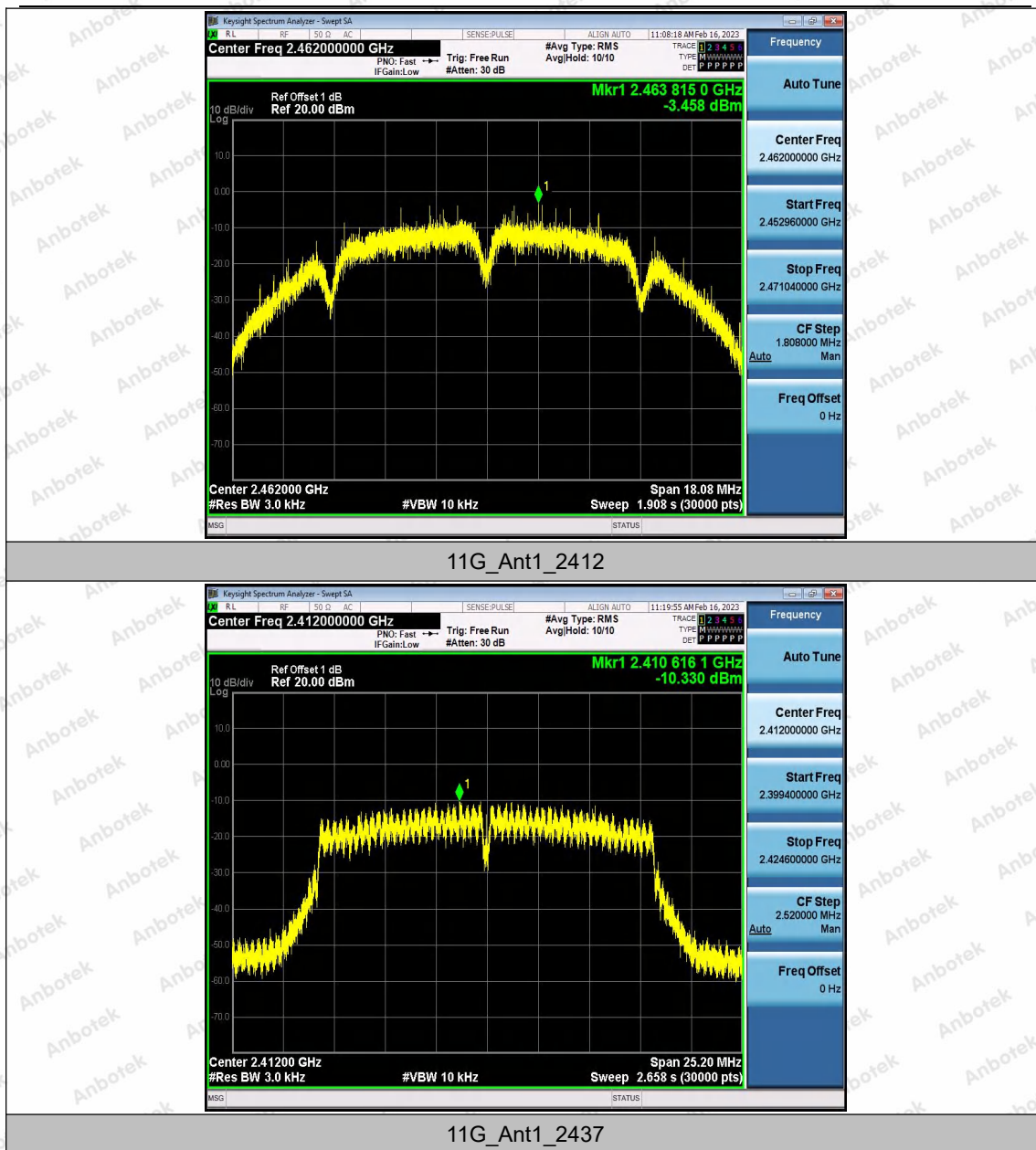
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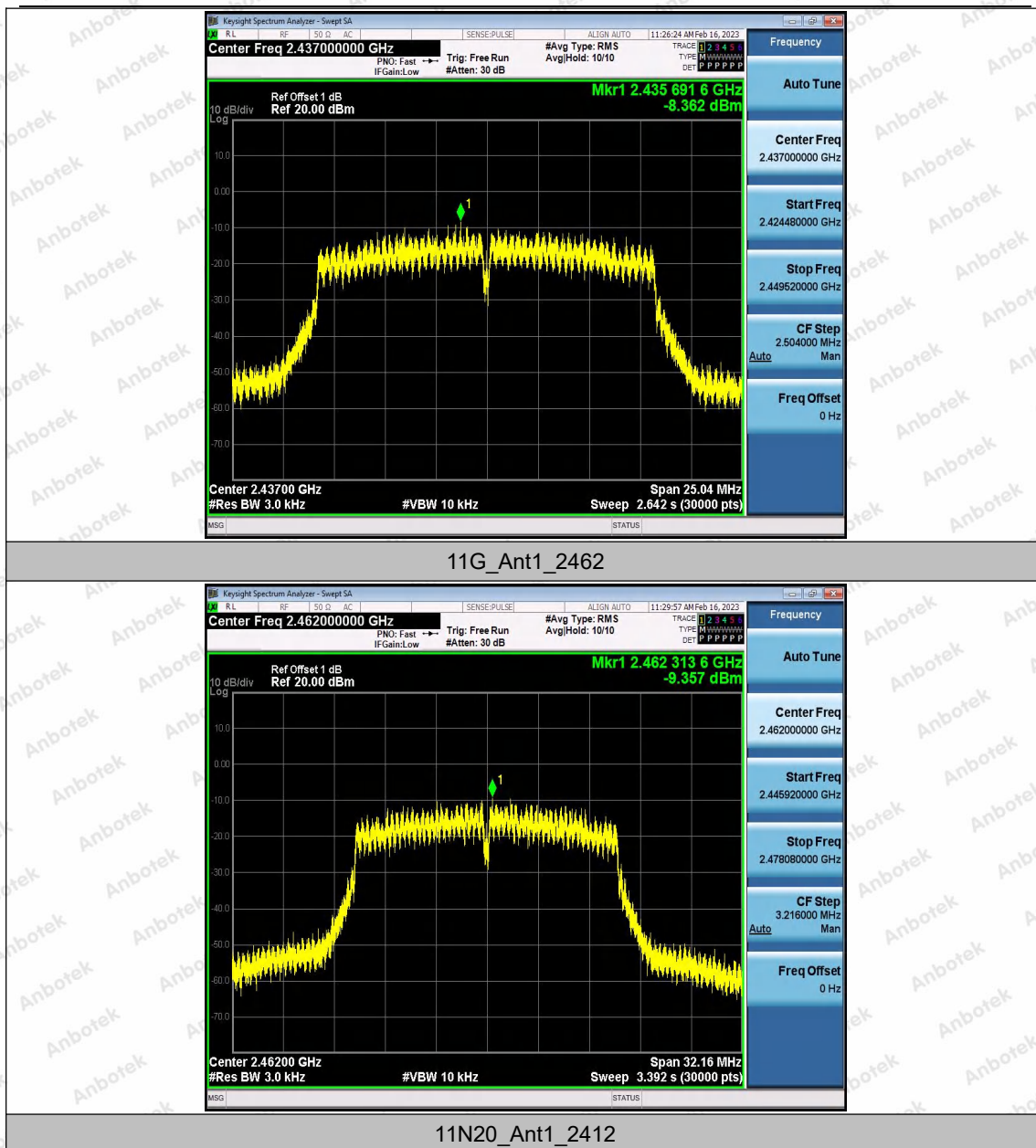
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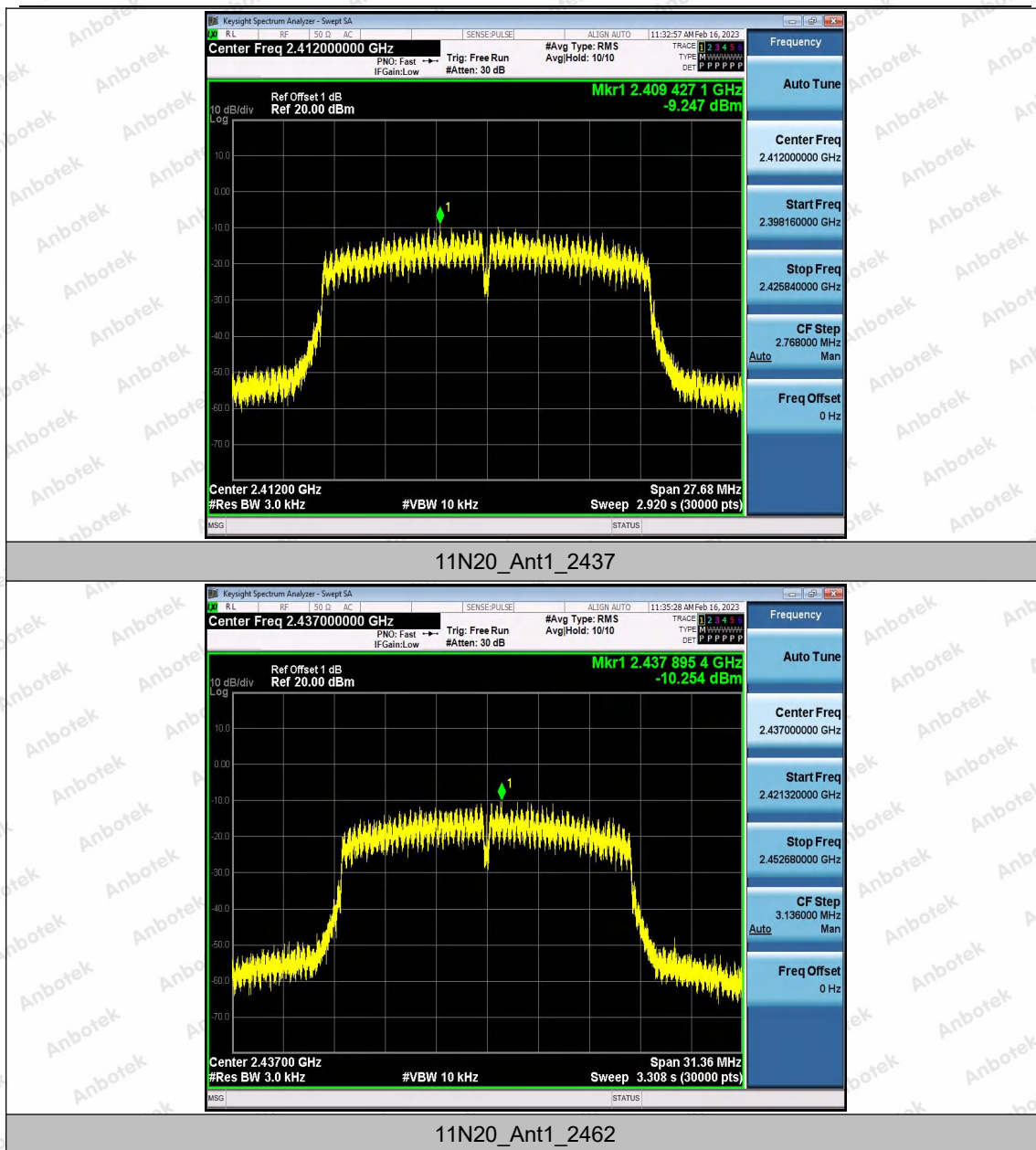
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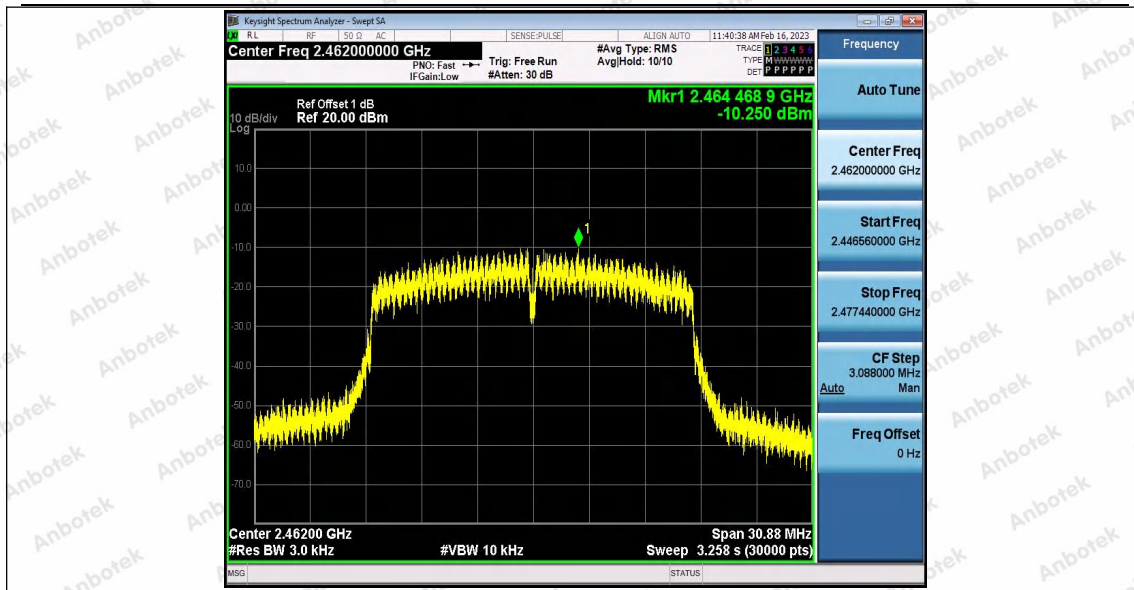
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## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | Channel Name | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------------|-----------------|----------------|--------------|-------------|---------|
| 11B      | Ant1    | Low          | 2412            | 7.89           | -36.3        | ≤-12.12     | PASS    |
|          |         | High         | 2462            | 7.01           | -45.52       | ≤-12.99     | PASS    |
| 11G      | Ant1    | Low          | 2412            | 3.08           | -31.36       | ≤-16.92     | PASS    |
|          |         | High         | 2462            | 1.35           | -47.74       | ≤-18.65     | PASS    |
| 11N20    | Ant1    | Low          | 2412            | 3.58           | -25.01       | ≤-16.42     | PASS    |
|          |         | High         | 2462            | 2.86           | -44.95       | ≤-17.14     | PASS    |



## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412

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