

## Appendix Test Data

|                  |                 |                    |                   |
|------------------|-----------------|--------------------|-------------------|
| Report No.:      | 18220WC20088901 | Test Sample No.:   | 1-2-2             |
| Start Test Date: | 2022.4.24       | Finish Test Date:  | 2022.4.27         |
| Test Engineer:   | <i>Jony.He</i>  | Auditor:           | <i>Edward.Pan</i> |
| Temperature:     | 23.5℃           | Relative Humidity: | 54 %              |
| Pressure:        | 1012 hPa        |                    |                   |

## Appendix A: DTS Bandwidth

## Test Result

| TestMode | Antenna | Channel | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|--------------|----------|----------|------------|---------|
| 11B      | Ant1    | 2412    | 9.160        | 2407.440 | 2416.600 | ≥0.5       | PASS    |
|          |         | 2437    | 9.160        | 2432.400 | 2441.560 | ≥0.5       | PASS    |
|          |         | 2462    | 9.160        | 2457.400 | 2466.560 | ≥0.5       | PASS    |
| 11G      | Ant1    | 2412    | 13.960       | 2405.640 | 2419.600 | ≥0.5       | PASS    |
|          |         | 2437    | 16.160       | 2429.040 | 2445.200 | ≥0.5       | PASS    |
|          |         | 2462    | 13.960       | 2455.640 | 2469.600 | ≥0.5       | PASS    |
| 11N20    | Ant1    | 2412    | 17.360       | 2403.440 | 2420.800 | ≥0.5       | PASS    |
|          |         | 2437    | 16.120       | 2429.440 | 2445.560 | ≥0.5       | PASS    |
|          |         | 2462    | 15.120       | 2454.480 | 2469.600 | ≥0.5       | PASS    |

## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462

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11G\_Ant1\_2412



11G\_Ant1\_2437



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11G\_Ant1\_2462



11N20\_Ant1\_2412



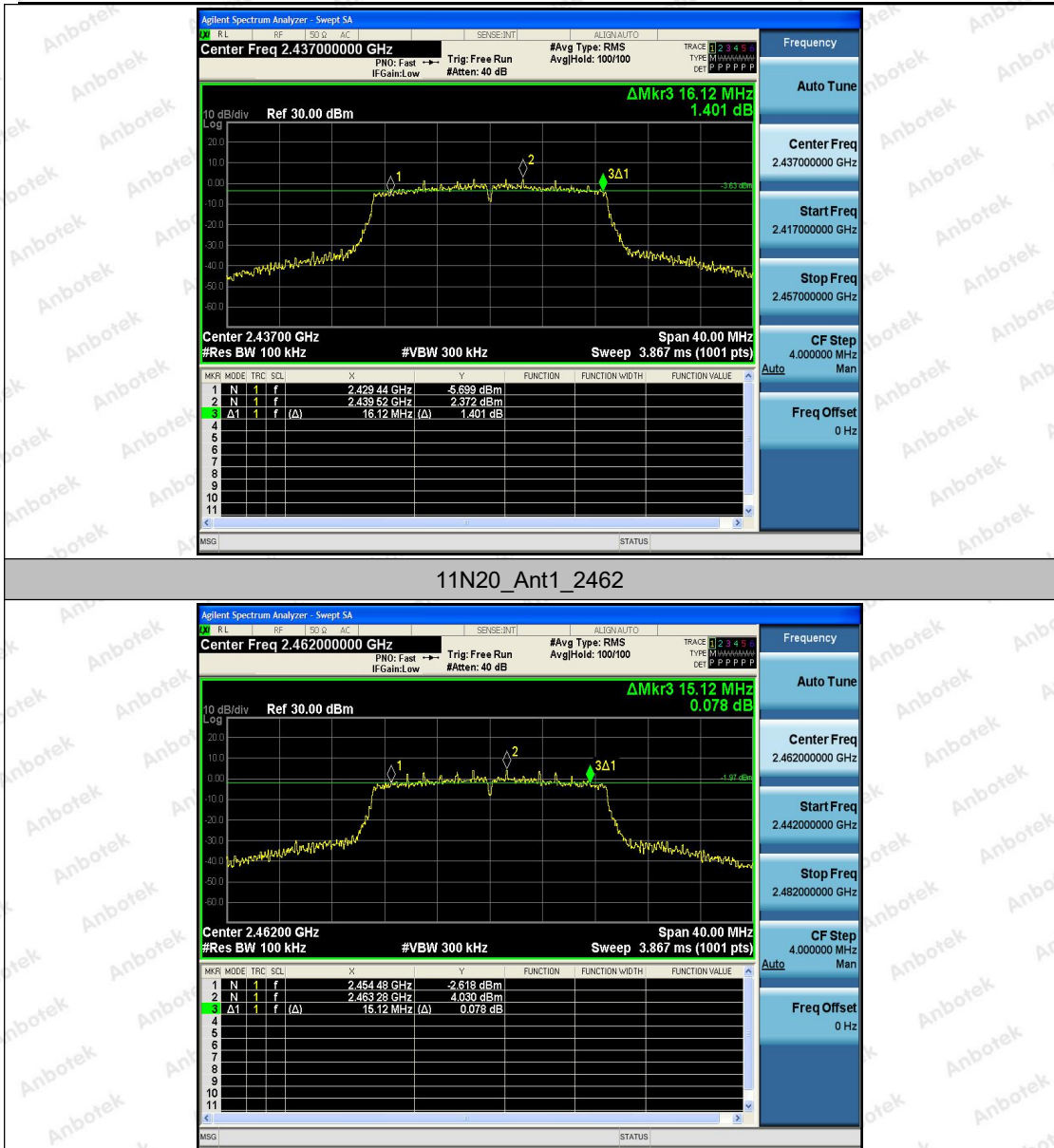
11N20\_Ant1\_2437

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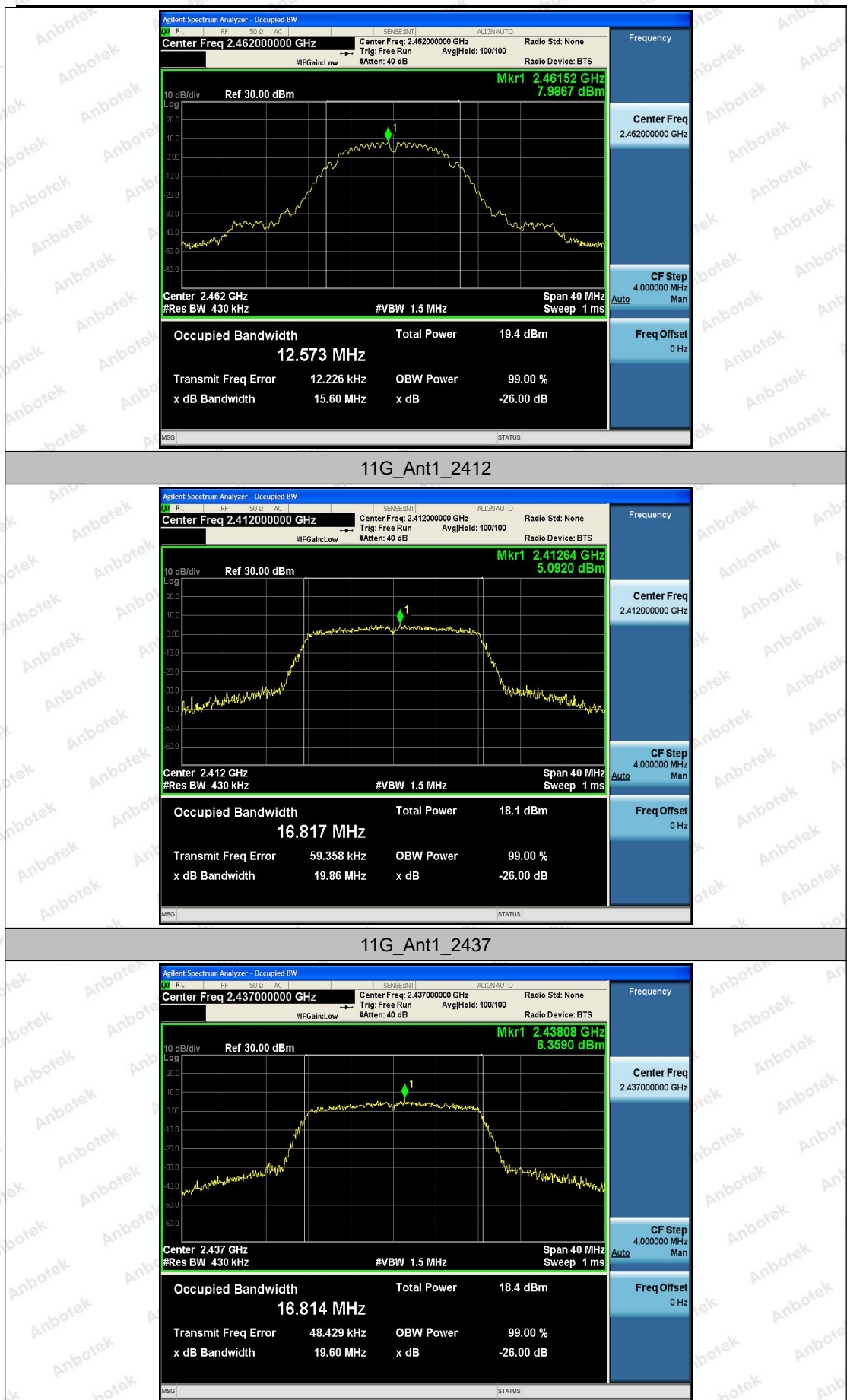
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## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|----------|----------|------------|---------|
| 11B      | Ant1    | 2412    | 12.583    | 2405.785 | 2418.368 | ---        | PASS    |
|          |         | 2437    | 12.475    | 2430.840 | 2443.315 | ---        | PASS    |
|          |         | 2462    | 12.573    | 2455.726 | 2468.299 | ---        | PASS    |
| 11G      | Ant1    | 2412    | 16.817    | 2403.651 | 2420.468 | ---        | PASS    |
|          |         | 2437    | 16.814    | 2428.641 | 2445.455 | ---        | PASS    |
|          |         | 2462    | 16.861    | 2453.559 | 2470.420 | ---        | PASS    |
| 11N20    | Ant1    | 2412    | 17.788    | 2403.158 | 2420.946 | ---        | PASS    |
|          |         | 2437    | 17.770    | 2428.142 | 2445.912 | ---        | PASS    |
|          |         | 2462    | 17.768    | 2453.134 | 2470.902 | ---        | PASS    |





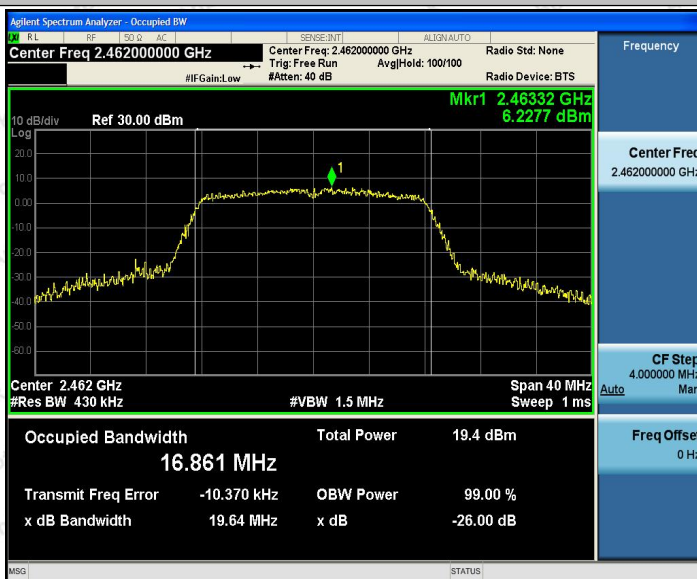
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## 11G\_Ant1\_2462



## 11N20\_Ant1\_2412



## 11N20\_Ant1\_2437

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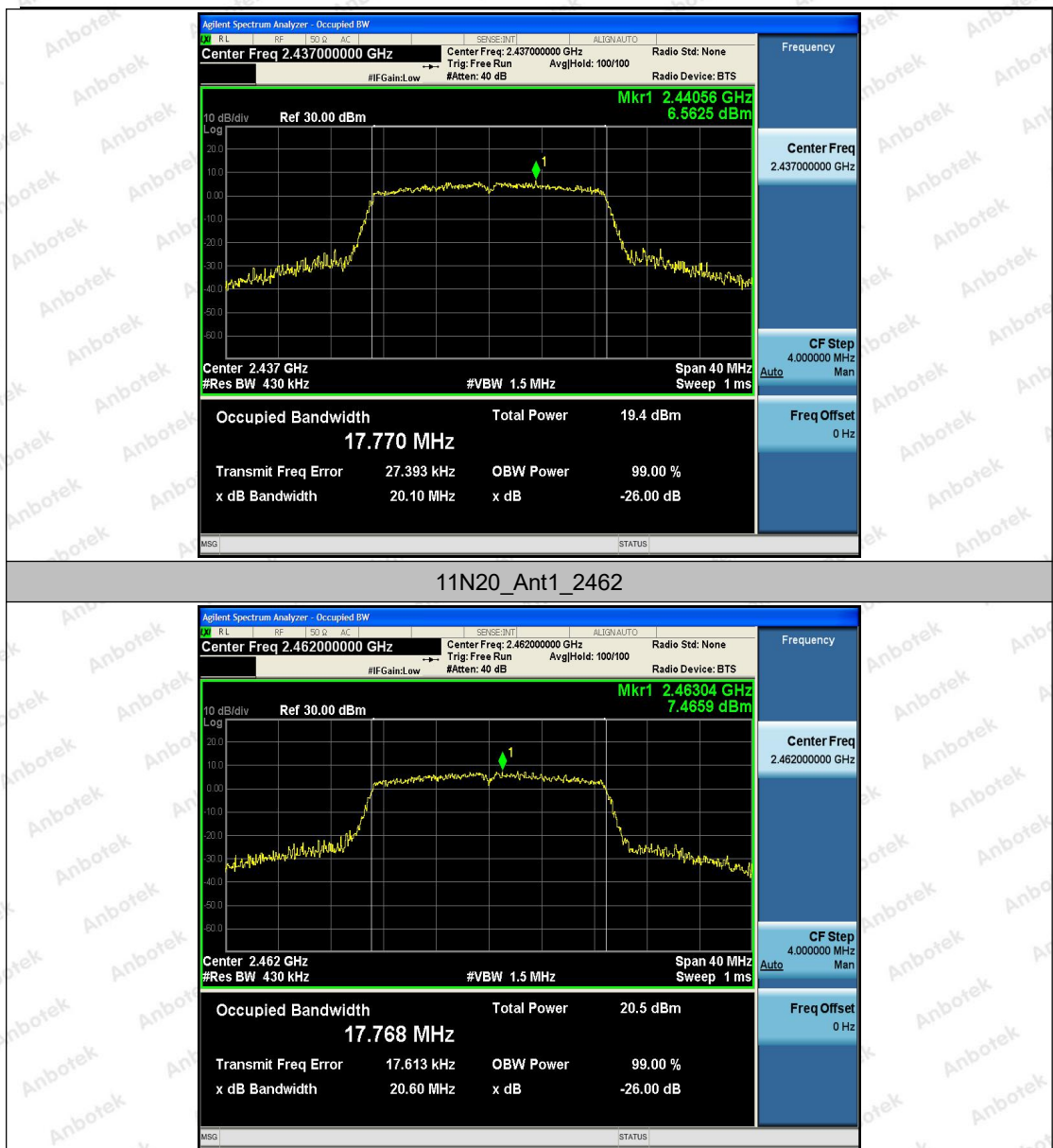
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## Appendix C: Maximum conducted output power

### Test Result

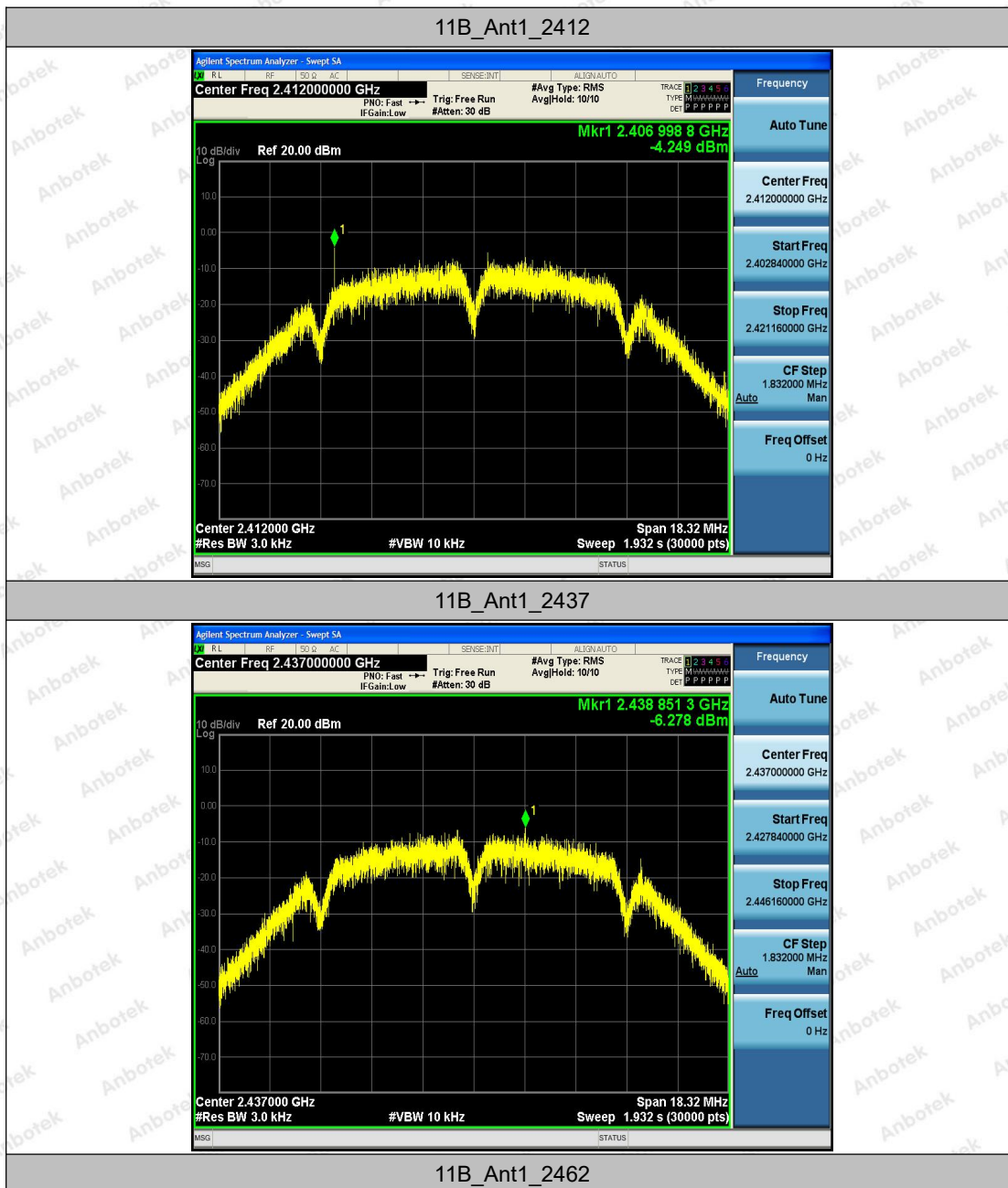
| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| 11B      | Ant1    | 2412    | 19.23       | ≤30        | PASS    |
|          |         | 2437    | 19.37       | ≤30        | PASS    |
|          |         | 2462    | 19.37       | ≤30        | PASS    |
| 11G      | Ant1    | 2412    | 19.15       | ≤30        | PASS    |
|          |         | 2437    | 19.54       | ≤30        | PASS    |
|          |         | 2462    | 21.28       | ≤30        | PASS    |
| 11N20    | Ant1    | 2412    | 19.38       | ≤30        | PASS    |
|          |         | 2437    | 20.56       | ≤30        | PASS    |
|          |         | 2462    | 22.10       | ≤30        | PASS    |

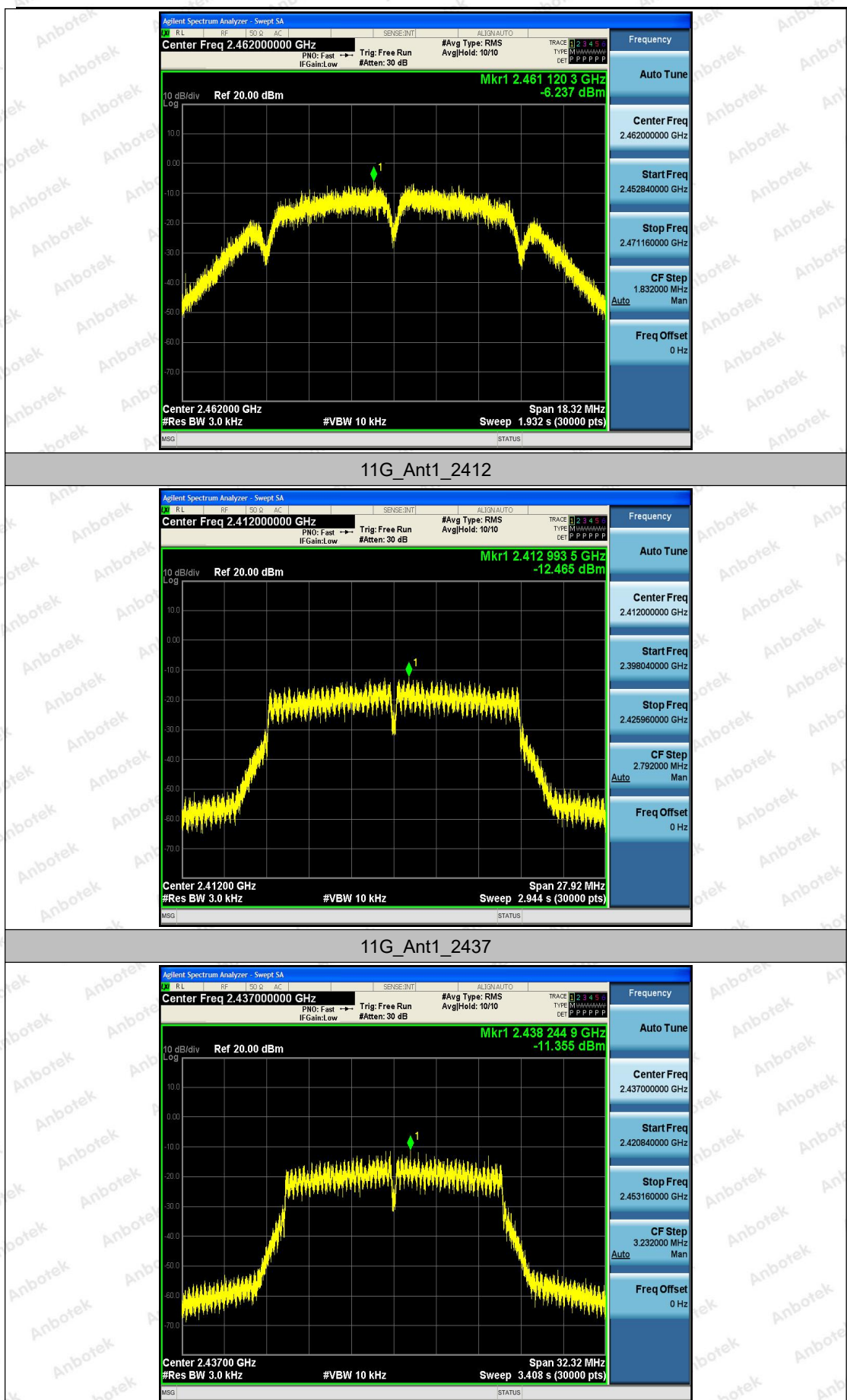
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|------------------|-----------------|---------|
| 11B      | Ant1    | 2412    | -4.25            | ≤8              | PASS    |
|          |         | 2437    | -6.28            | ≤8              | PASS    |
|          |         | 2462    | -6.24            | ≤8              | PASS    |
| 11G      | Ant1    | 2412    | -12.47           | ≤8              | PASS    |
|          |         | 2437    | -11.36           | ≤8              | PASS    |
|          |         | 2462    | -10.45           | ≤8              | PASS    |
| 11N20    | Ant1    | 2412    | -10.53           | ≤8              | PASS    |
|          |         | 2437    | -11.34           | ≤8              | PASS    |
|          |         | 2462    | -10.33           | ≤8              | PASS    |

## Test Graphs



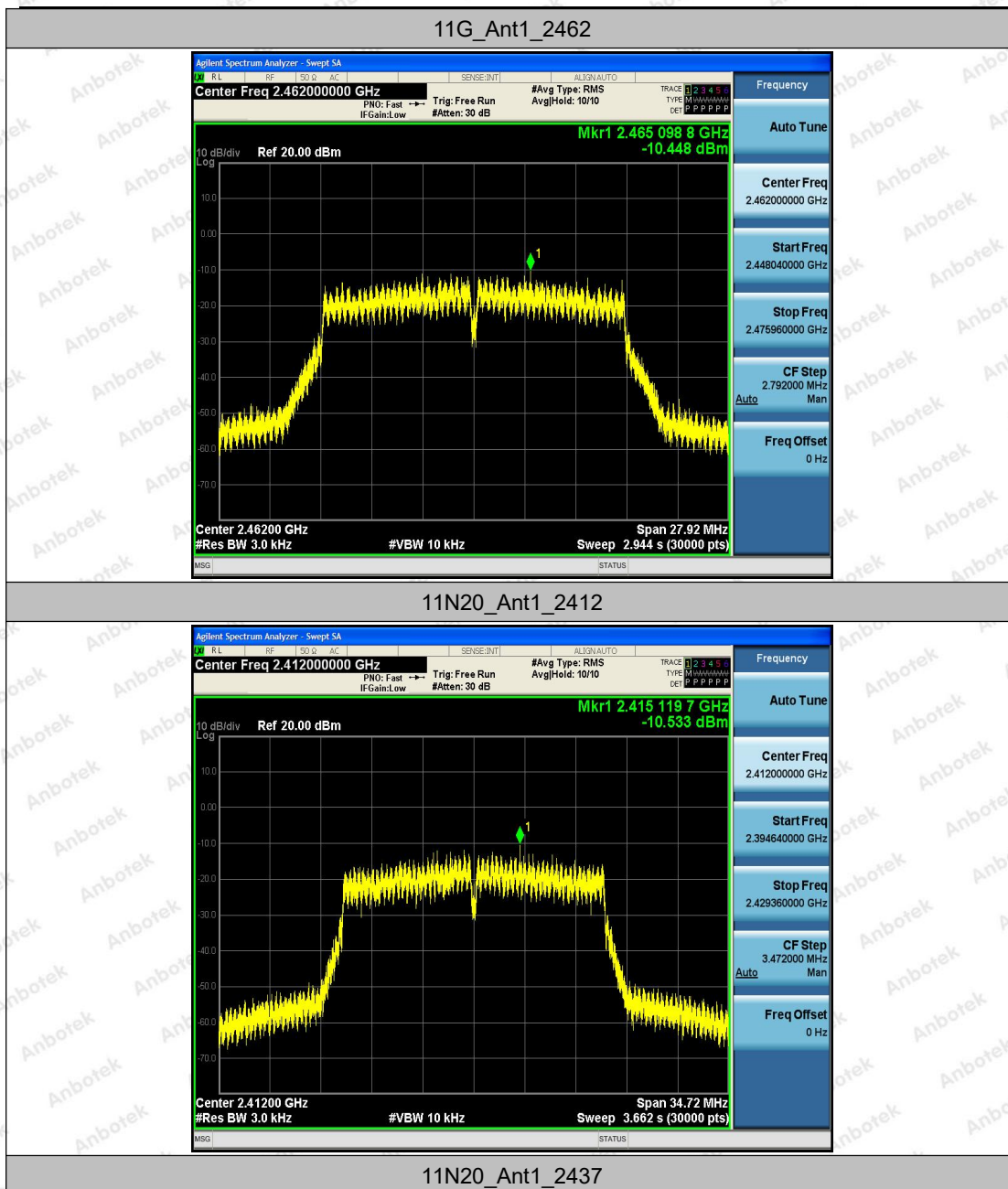


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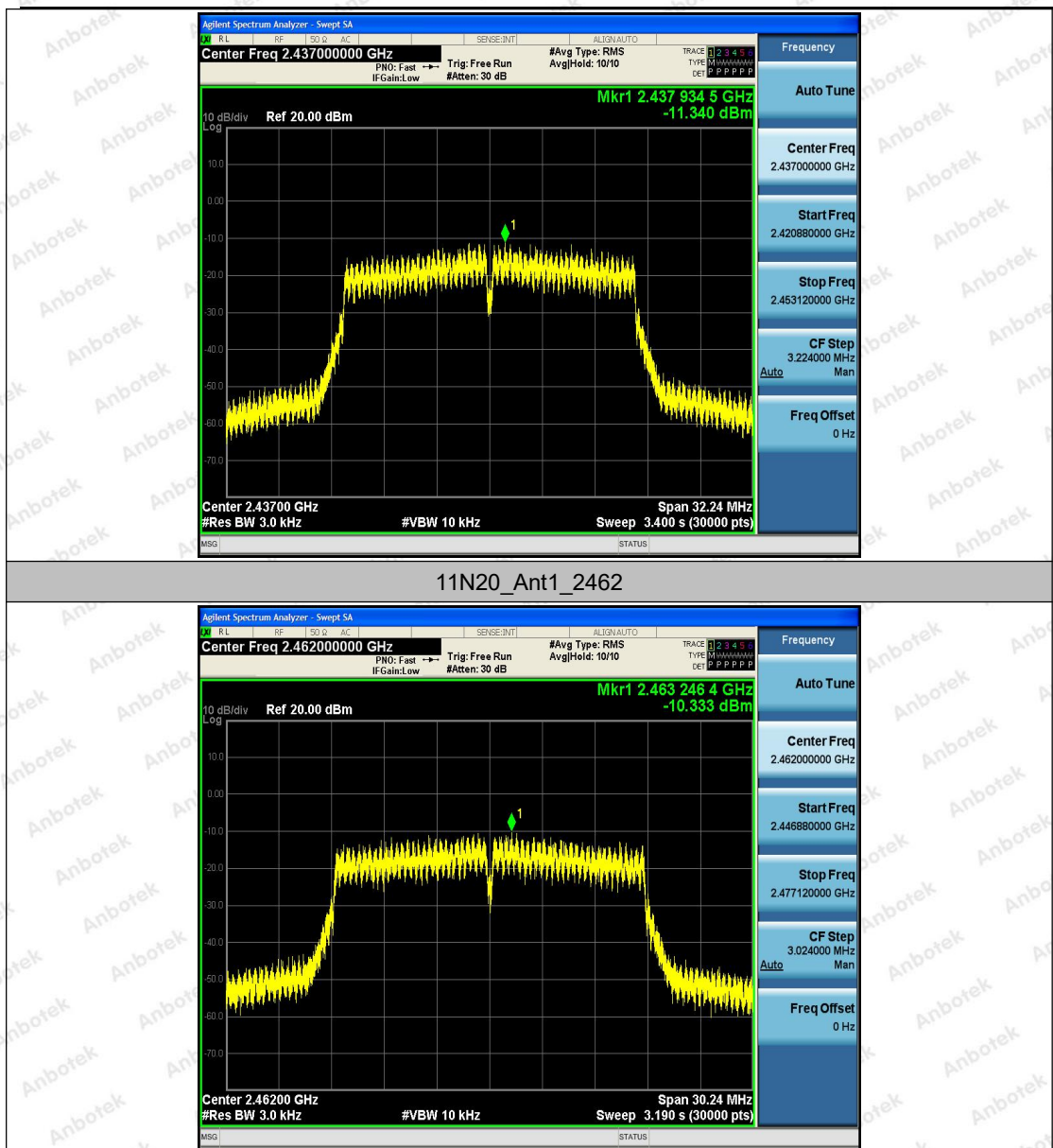


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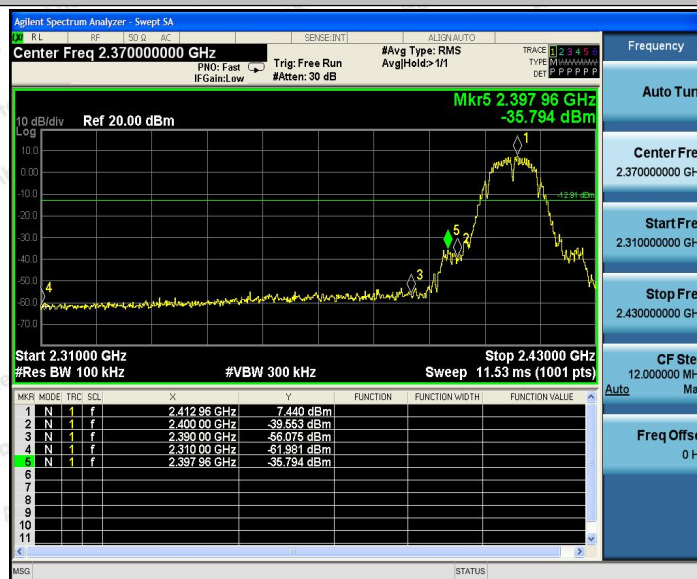
## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|----------|---------|--------|---------|---------------|-------------|---------------|---------|
| 11B      | Ant1    | Low    | 2412    | 7.09          | -35.79      | $\leq -12.91$ | PASS    |
|          |         | High   | 2462    | 7.72          | -52         | $\leq -12.28$ | PASS    |
| 11G      | Ant1    | Low    | 2412    | 1.38          | -36.68      | $\leq -18.62$ | PASS    |
|          |         | High   | 2462    | -1.42         | -50.8       | $\leq -21.42$ | PASS    |
| 11N20    | Ant1    | Low    | 2412    | -0.02         | -34.25      | $\leq -20.02$ | PASS    |
|          |         | High   | 2462    | 4.53          | -42.93      | $\leq -15.47$ | PASS    |

## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



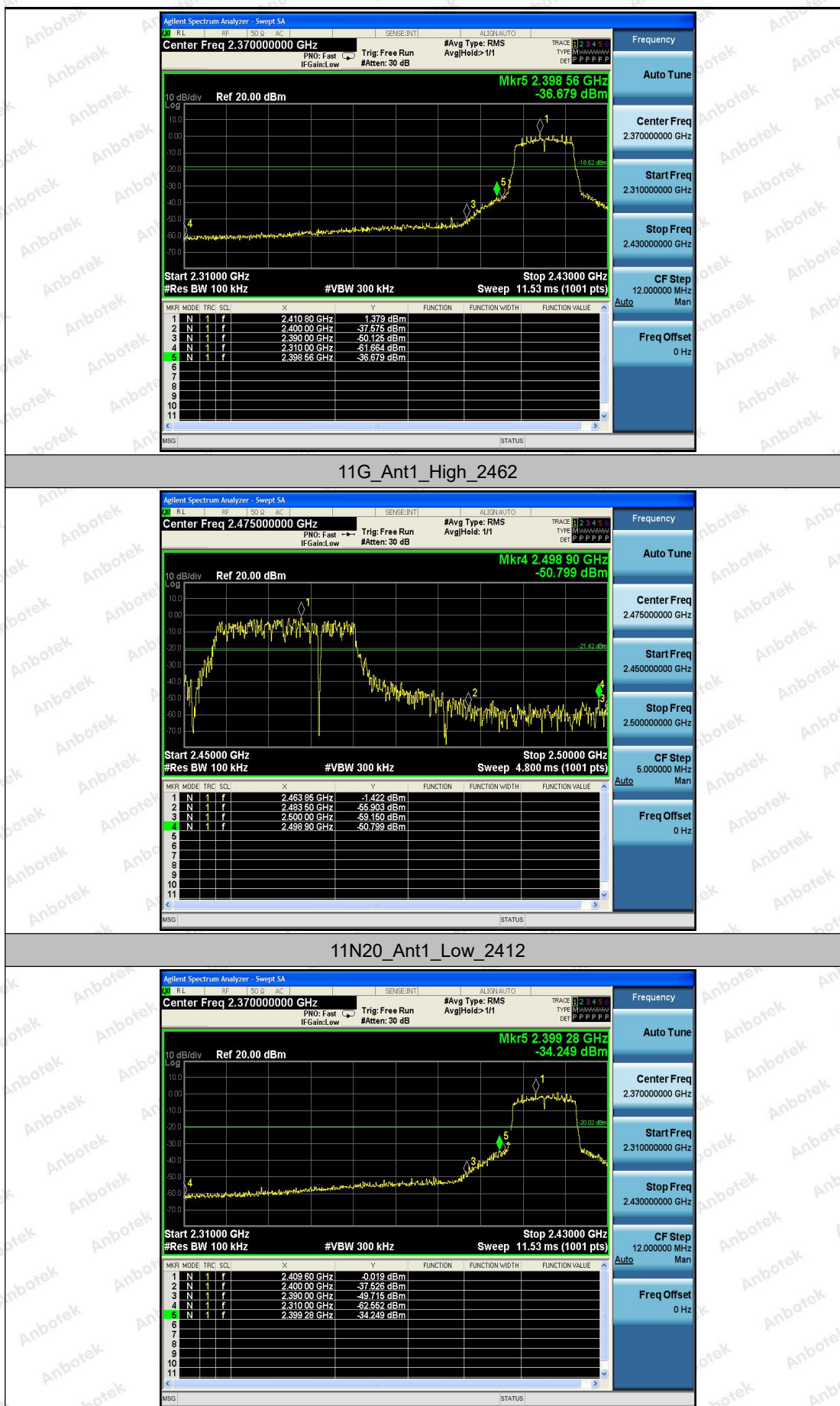
11G\_Ant1\_Low\_2412

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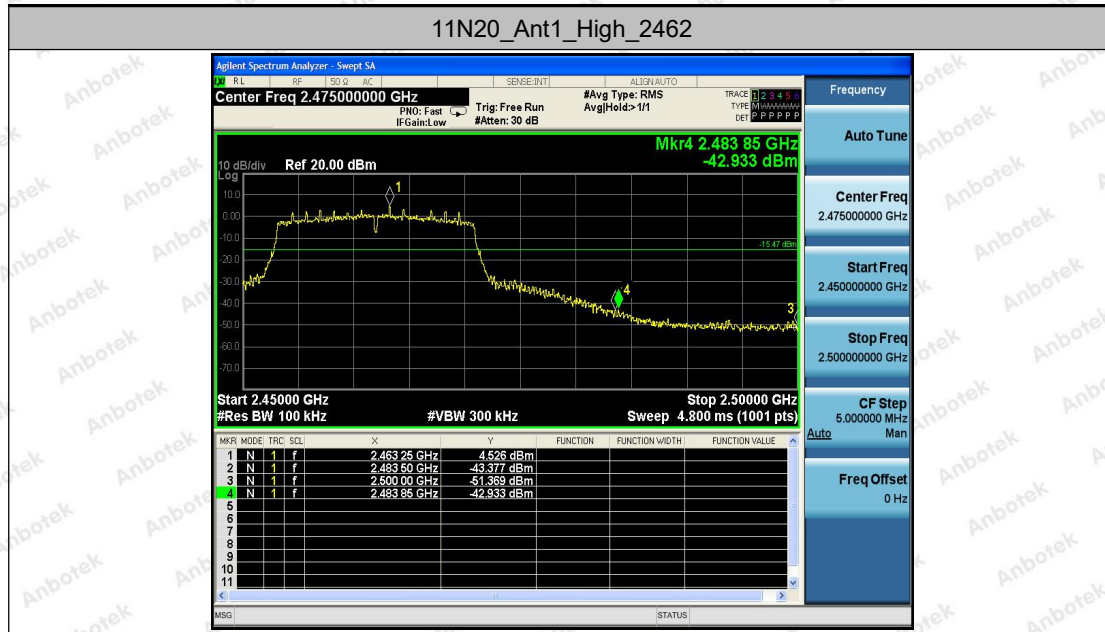


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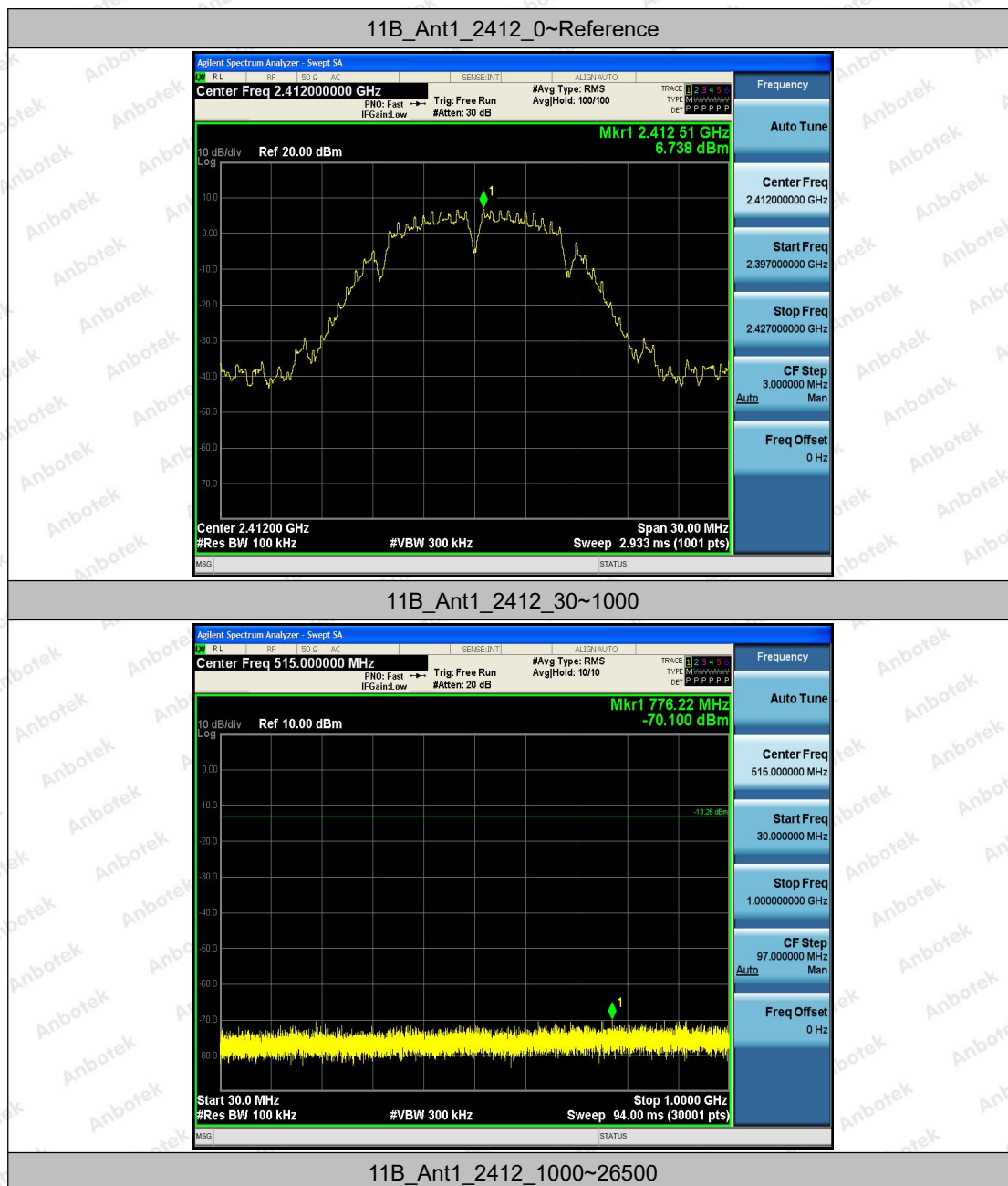
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## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| 11B      | Ant1    | 2412    | Reference          | 6.74              | 6.74            | ---            | PASS    |
|          |         |         | 30~1000            | 6.74              | -70.1           | ≤-13.26        | PASS    |
|          |         |         | 1000~26500         | 6.74              | -46.38          | ≤-13.26        | PASS    |
|          |         | 2437    | Reference          | 7.32              | 7.32            | ---            | PASS    |
|          |         |         | 30~1000            | 7.32              | -70.13          | ≤-12.68        | PASS    |
|          |         |         | 1000~26500         | 7.32              | -47.75          | ≤-12.68        | PASS    |
|          |         | 2462    | Reference          | 6.73              | 6.73            | ---            | PASS    |
|          |         |         | 30~1000            | 6.73              | -69.24          | ≤-13.28        | PASS    |
|          |         |         | 1000~26500         | 6.73              | -51.74          | ≤-13.28        | PASS    |
| 11G      | Ant1    | 2412    | Reference          | 1.45              | 1.45            | ---            | PASS    |
|          |         |         | 30~1000            | 1.45              | -70.24          | ≤-18.55        | PASS    |
|          |         |         | 1000~26500         | 1.45              | -55.01          | ≤-18.55        | PASS    |
|          |         | 2437    | Reference          | 0.55              | 0.55            | ---            | PASS    |
|          |         |         | 30~1000            | 0.55              | -70.05          | ≤-19.46        | PASS    |
|          |         |         | 1000~26500         | 0.55              | -53.75          | ≤-19.46        | PASS    |
|          |         | 2462    | Reference          | 2.41              | 2.41            | ---            | PASS    |
|          |         |         | 30~1000            | 2.41              | -70             | ≤-17.59        | PASS    |
|          |         |         | 1000~26500         | 2.41              | -56.01          | ≤-17.59        | PASS    |
| 11N20    | Ant1    | 2412    | Reference          | 1.33              | 1.33            | ---            | PASS    |
|          |         |         | 30~1000            | 1.33              | -69.13          | ≤-18.67        | PASS    |
|          |         |         | 1000~26500         | 1.33              | -55.15          | ≤-18.67        | PASS    |
|          |         | 2437    | Reference          | 3.47              | 3.47            | ---            | PASS    |
|          |         |         | 30~1000            | 3.47              | -69.66          | ≤-16.53        | PASS    |
|          |         |         | 1000~26500         | 3.47              | -53.36          | ≤-16.53        | PASS    |
|          |         | 2462    | Reference          | 3.45              | 3.45            | ---            | PASS    |
|          |         |         | 30~1000            | 3.45              | -69.73          | ≤-16.56        | PASS    |
|          |         |         | 1000~26500         | 3.45              | -55.74          | ≤-16.56        | PASS    |

## Test Graphs



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