

## Appendix Test Data

|                  |                 |                    |                   |
|------------------|-----------------|--------------------|-------------------|
| Report No.:      | 18220WC10229901 | Test Sample No.:   | 1-2-2             |
| Start Test Date: | 2021.11.17      | Finish Test Date:  | 2021.11.18        |
| Test Engineer:   | <i>Jony He</i>  | Auditor:           | <i>Edward Pan</i> |
| Temperature:     | 24.3°C          | Relative Humidity: | 57 %              |
| 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    | 8.640        | 2407.920 | 2416.560 | ≥0.5       | PASS    |
|          |         | 2437    | 9.600        | 2431.960 | 2441.560 | ≥0.5       | PASS    |
|          |         | 2462    | 9.600        | 2457.440 | 2467.040 | ≥0.5       | PASS    |
| 11G      | Ant1    | 2412    | 15.480       | 2404.480 | 2419.960 | ≥0.5       | PASS    |
|          |         | 2437    | 15.480       | 2429.440 | 2444.920 | ≥0.5       | PASS    |
|          |         | 2462    | 15.480       | 2454.720 | 2470.200 | ≥0.5       | PASS    |
| 11N20    | Ant1    | 2412    | 15.120       | 2404.480 | 2419.600 | ≥0.5       | PASS    |
|          |         | 2437    | 16.000       | 2429.400 | 2445.400 | ≥0.5       | PASS    |
|          |         | 2462    | 15.480       | 2454.440 | 2469.920 | ≥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



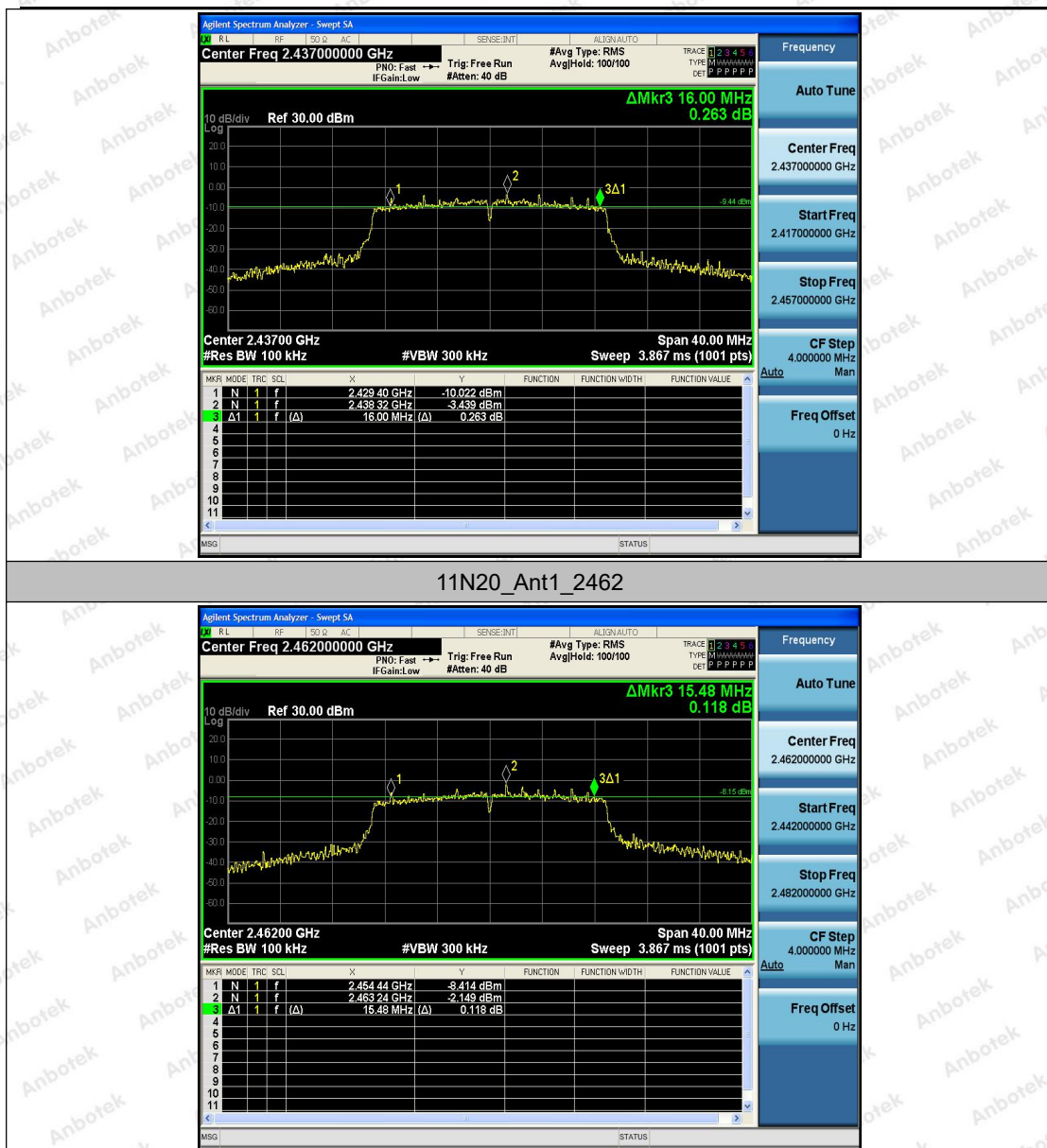
11N20\_Ant1\_2437

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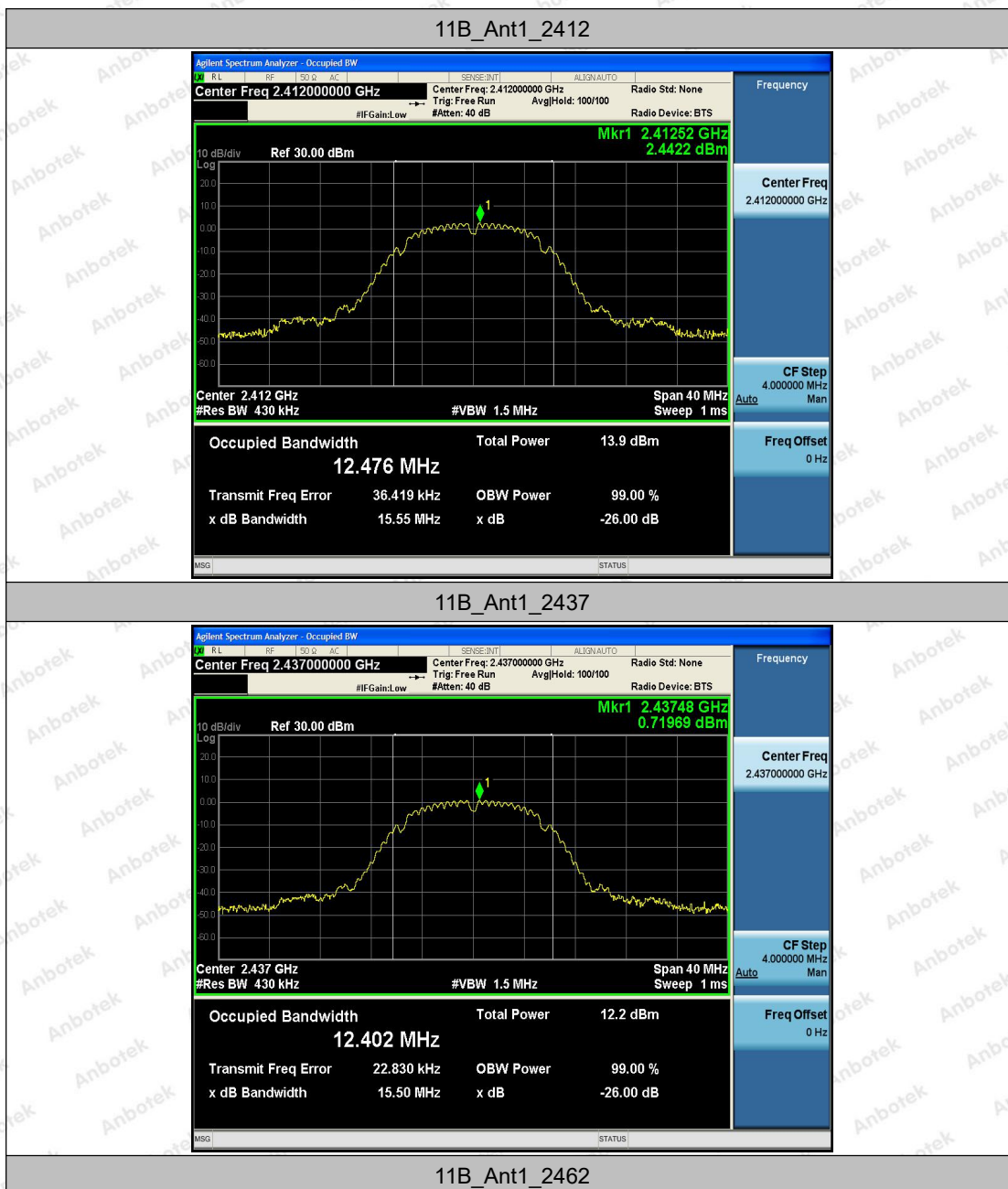
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## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|----------|----------|------------|---------|
| 11B      | Ant1    | 2412    | 12.476    | 2405.798 | 2418.274 | ---        | PASS    |
|          |         | 2437    | 12.402    | 2430.822 | 2443.224 | ---        | PASS    |
|          |         | 2462    | 12.391    | 2455.911 | 2468.302 | ---        | PASS    |
| 11G      | Ant1    | 2412    | 16.919    | 2403.536 | 2420.455 | ---        | PASS    |
|          |         | 2437    | 16.976    | 2428.513 | 2445.489 | ---        | PASS    |
|          |         | 2462    | 17.275    | 2453.506 | 2470.781 | ---        | PASS    |
| 11N20    | Ant1    | 2412    | 17.748    | 2403.158 | 2420.906 | ---        | PASS    |
|          |         | 2437    | 17.890    | 2428.087 | 2445.977 | ---        | PASS    |
|          |         | 2462    | 18.010    | 2453.112 | 2471.122 | ---        | PASS    |

## Test Graphs

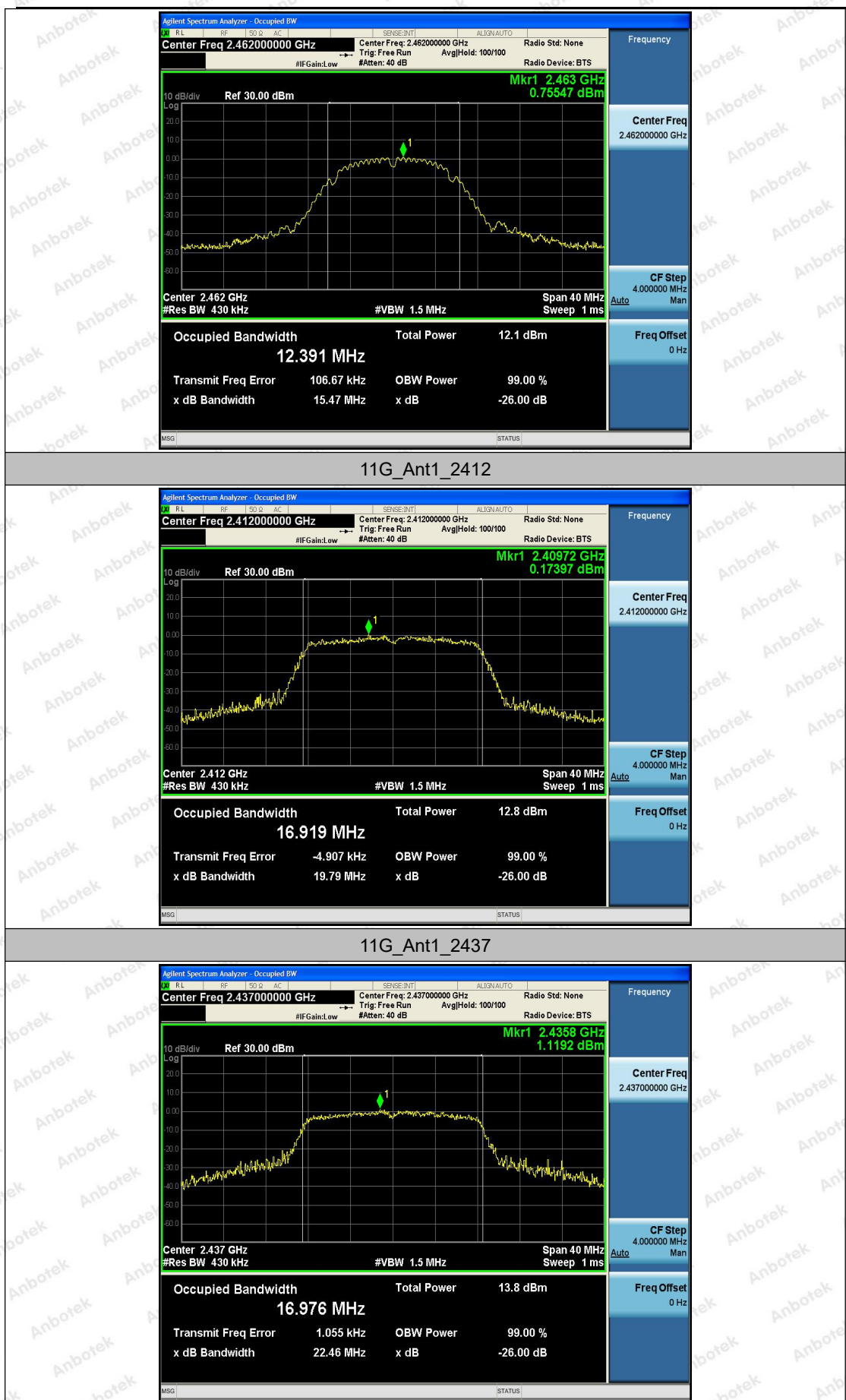


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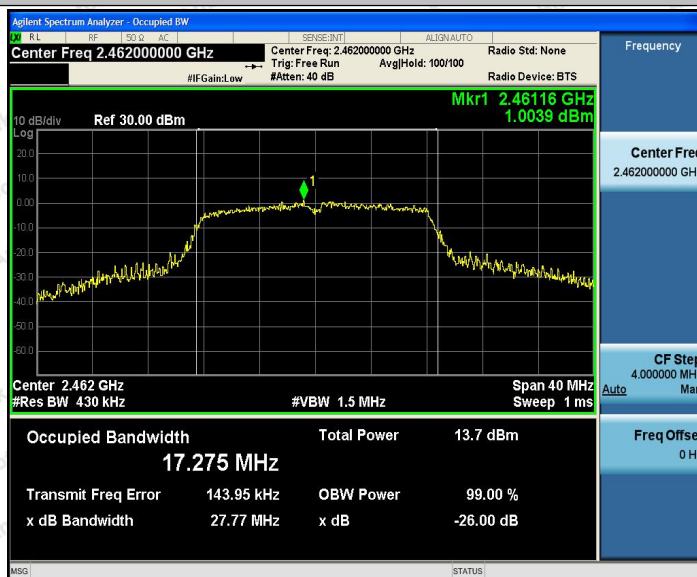
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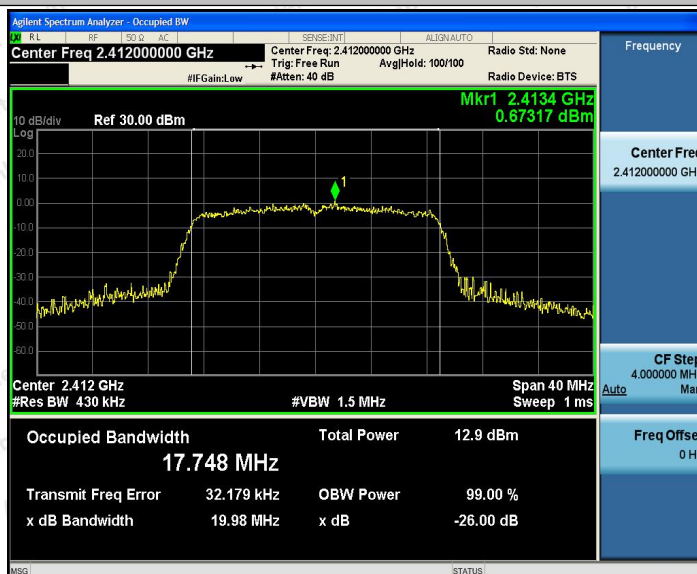
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## 11G\_Ant1\_2462



## 11N20\_Ant1\_2412



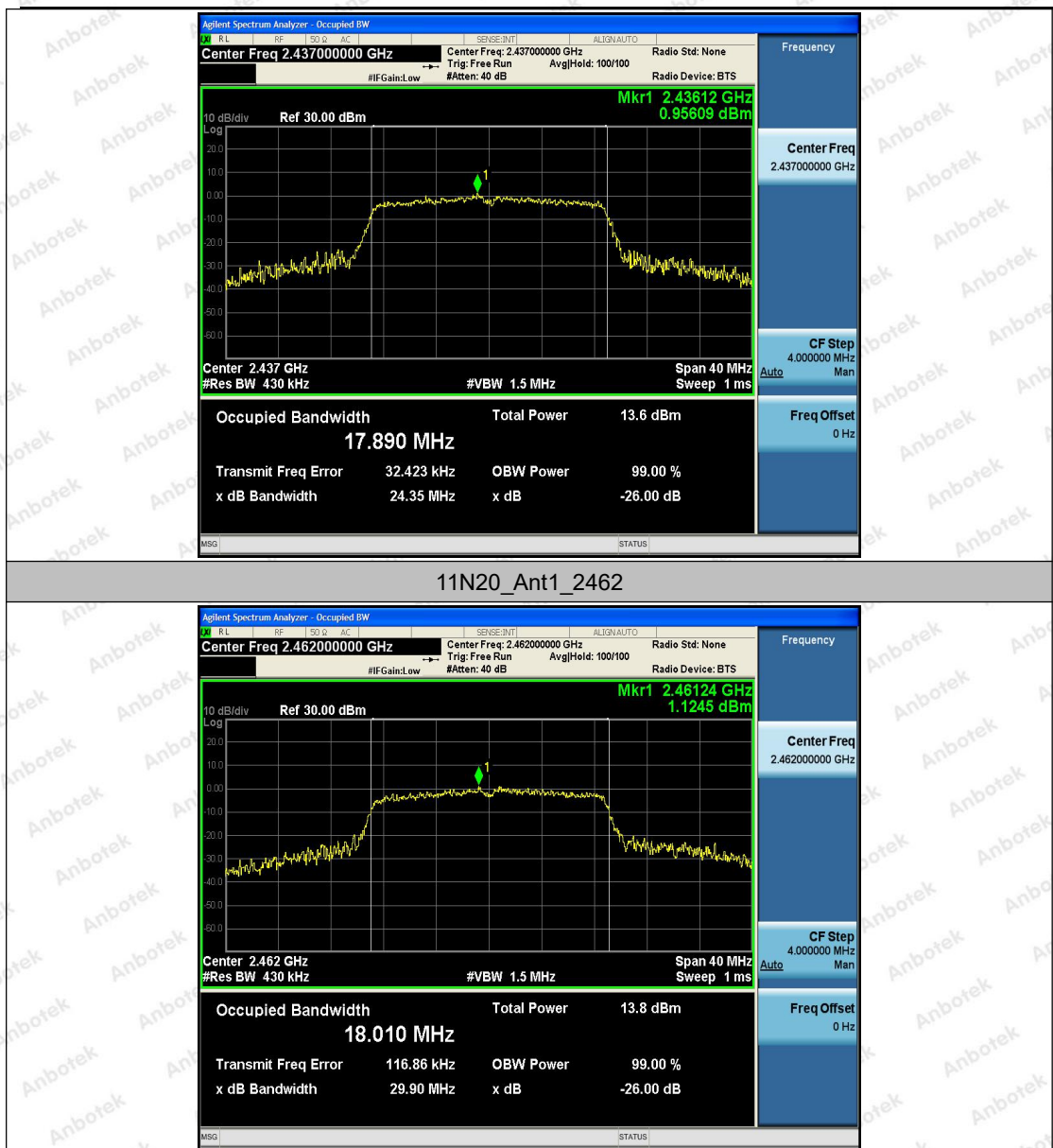
## 11N20\_Ant1\_2437

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## Appendix C: Maximum conducted output power

### Test Result

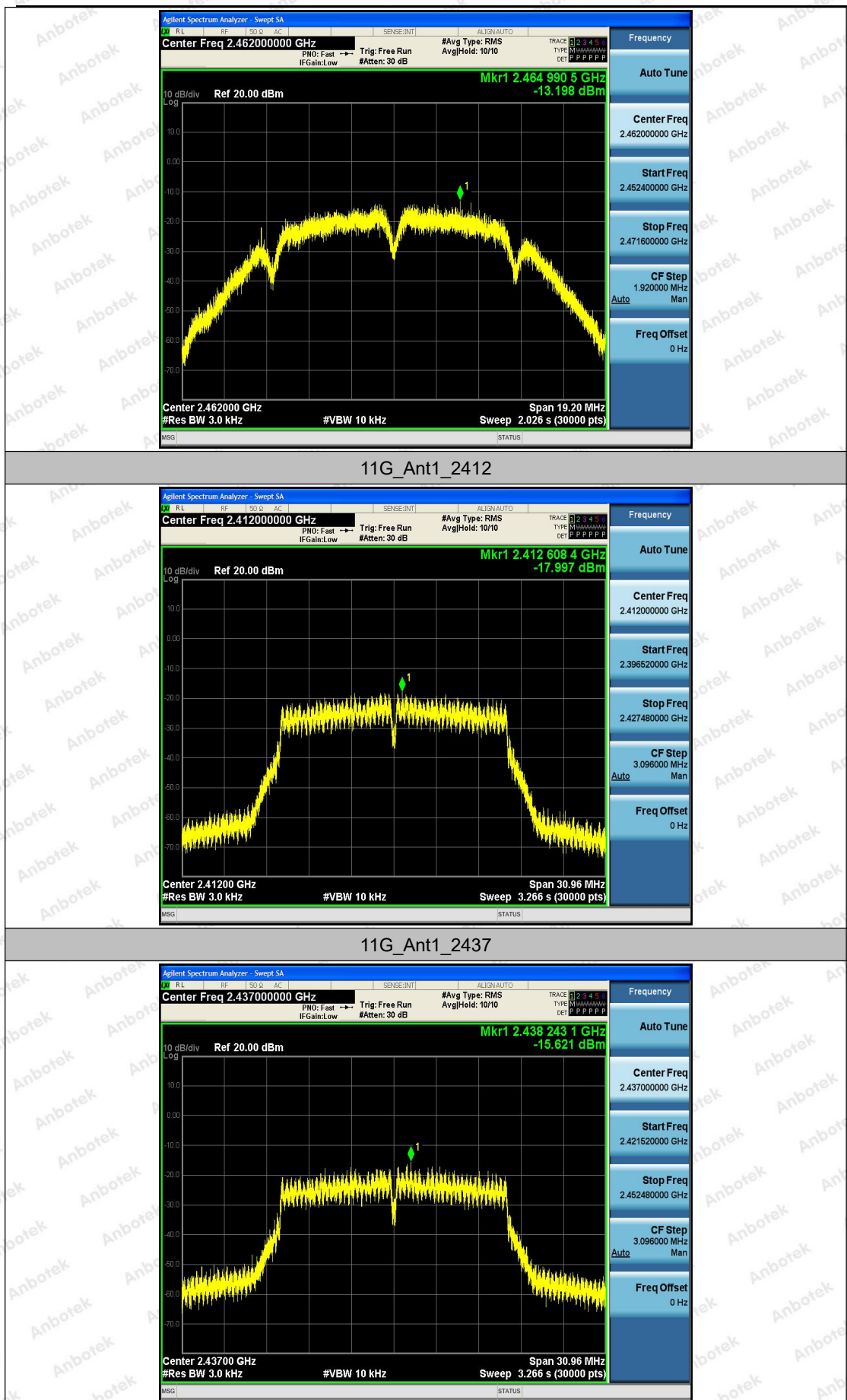
| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| 11B      | Ant1    | 2412    | 13.89       | ≤30        | PASS    |
|          |         | 2437    | 12.18       | ≤30        | PASS    |
|          |         | 2462    | 12.14       | ≤30        | PASS    |
| 11G      | Ant1    | 2412    | 13.91       | ≤30        | PASS    |
|          |         | 2437    | 14.73       | ≤30        | PASS    |
|          |         | 2462    | 14.81       | ≤30        | PASS    |
| 11N20    | Ant1    | 2412    | 14.05       | ≤30        | PASS    |
|          |         | 2437    | 14.81       | ≤30        | PASS    |
|          |         | 2462    | 14.79       | ≤30        | PASS    |

## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|------------------|-----------------|---------|
| 11B      | Ant1    | 2412    | -9.61            | ≤8              | PASS    |
|          |         | 2437    | -11.15           | ≤8              | PASS    |
|          |         | 2462    | -13.2            | ≤8              | PASS    |
| 11G      | Ant1    | 2412    | -18              | ≤8              | PASS    |
|          |         | 2437    | -15.62           | ≤8              | PASS    |
|          |         | 2462    | -16.3            | ≤8              | PASS    |
| 11N20    | Ant1    | 2412    | -17.38           | ≤8              | PASS    |
|          |         | 2437    | -16.86           | ≤8              | PASS    |
|          |         | 2462    | -16.7            | ≤8              | PASS    |





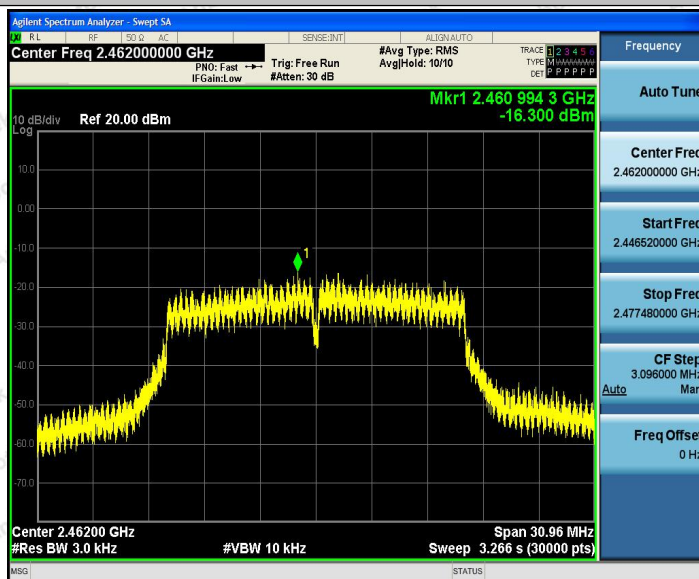
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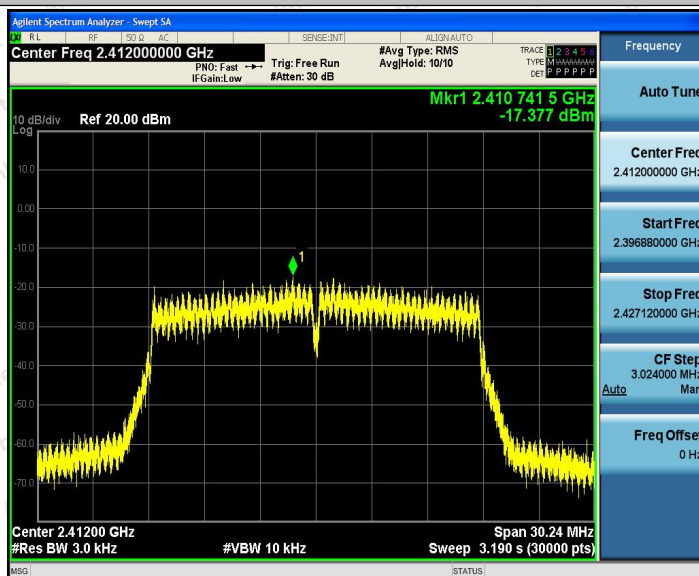
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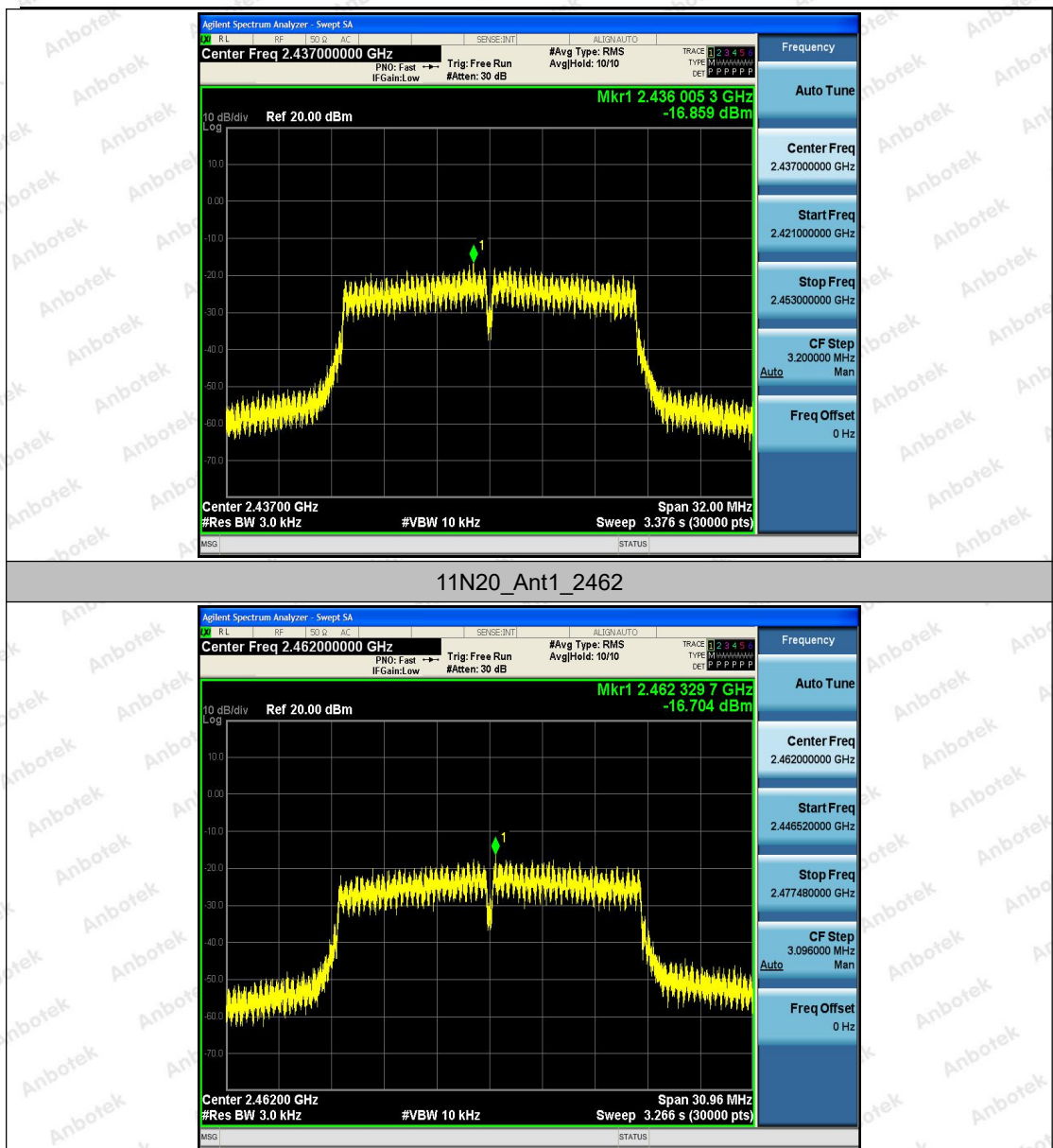
11G\_Ant1\_2462



11N20\_Ant1\_2412



11N20\_Ant1\_2437



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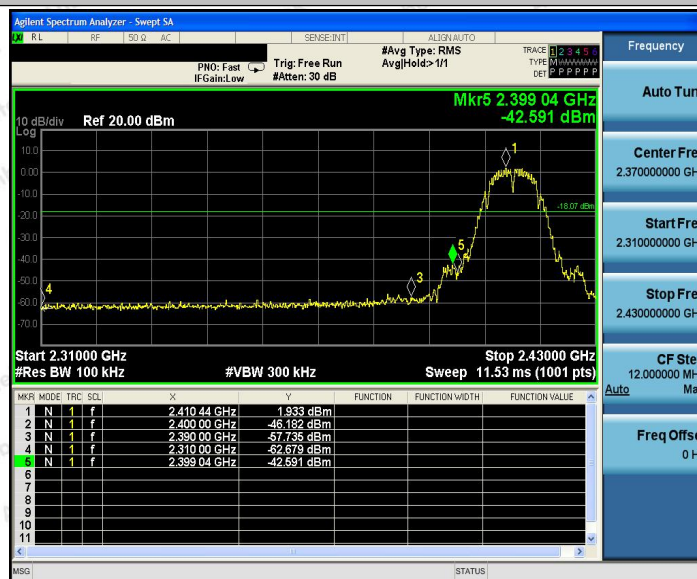
## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|----------|---------|--------|---------|---------------|-------------|---------------|---------|
| 11B      | Ant1    | Low    | 2412    | 1.93          | -42.59      | $\leq -18.07$ | PASS    |
|          |         | High   | 2462    | 0.36          | -55.61      | $\leq -19.64$ | PASS    |
| 11G      | Ant1    | Low    | 2412    | -4.13         | -40.18      | $\leq -24.13$ | PASS    |
|          |         | High   | 2462    | -2.26         | -39.41      | $\leq -22.26$ | PASS    |
| 11N20    | Ant1    | Low    | 2412    | -7.96         | -45.12      | $\leq -27.96$ | PASS    |
|          |         | High   | 2462    | -2.68         | -38.01      | $\leq -22.68$ | PASS    |

## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412

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11G\_Ant1\_High\_2462



11N20\_Ant1\_Low\_2412



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