

## Appendix Test Data

|                  |                 |                    |                   |
|------------------|-----------------|--------------------|-------------------|
| Report No.:      | 18220WC20246702 | Test Sample No.:   | 1-2-2             |
| Start Test Date: | 2022.10.18      | Finish Test Date:  | 2022.10.24        |
| Test Engineer:   | <i>Tony He</i>  | Auditor:           | <i>Edward Pan</i> |
| Temperature:     | 27.3°C          | Relative Humidity: | 47 %              |
| 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           | 9.200        | 2407.320 | 2416.520 | ≥0.5       | PASS    |
|          |         | 2437           | 8.720        | 2432.720 | 2441.440 | ≥0.5       | PASS    |
|          |         | 2462           | 9.320        | 2457.040 | 2466.360 | ≥0.5       | PASS    |
| 11G      | Ant1    | 2412           | 16.320       | 2403.880 | 2420.200 | ≥0.5       | PASS    |
|          |         | 2437           | 16.480       | 2428.760 | 2445.240 | ≥0.5       | PASS    |
|          |         | 2462           | 16.440       | 2453.760 | 2470.200 | ≥0.5       | PASS    |
| 11N20    | Ant1    | 2412           | 17.640       | 2403.160 | 2420.800 | ≥0.5       | PASS    |
|          |         | 2437           | 17.640       | 2428.160 | 2445.800 | ≥0.5       | PASS    |
|          |         | 2462           | 17.600       | 2453.160 | 2470.760 | ≥0.5       | PASS    |

## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462

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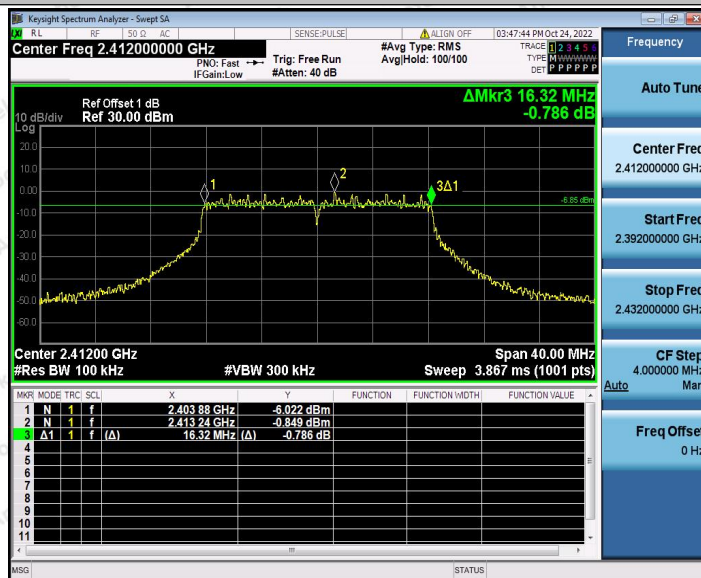
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11G\_Ant1\_2412



11G\_Ant1\_2437



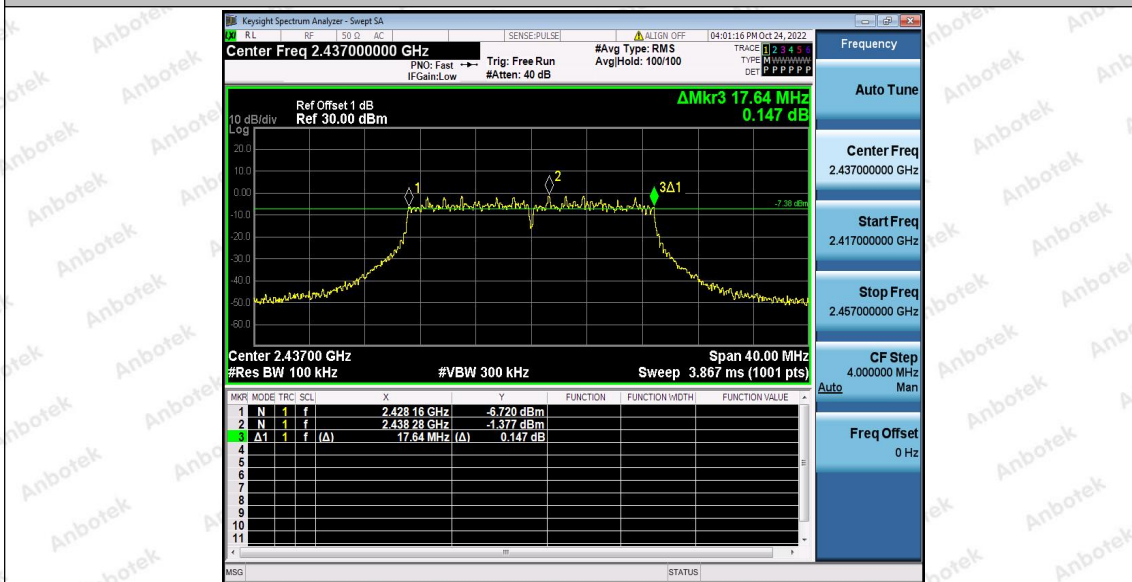
11G\_Ant1\_2462



11N20\_Ant1\_2412



11N20\_Ant1\_2437



11N20\_Ant1\_2462



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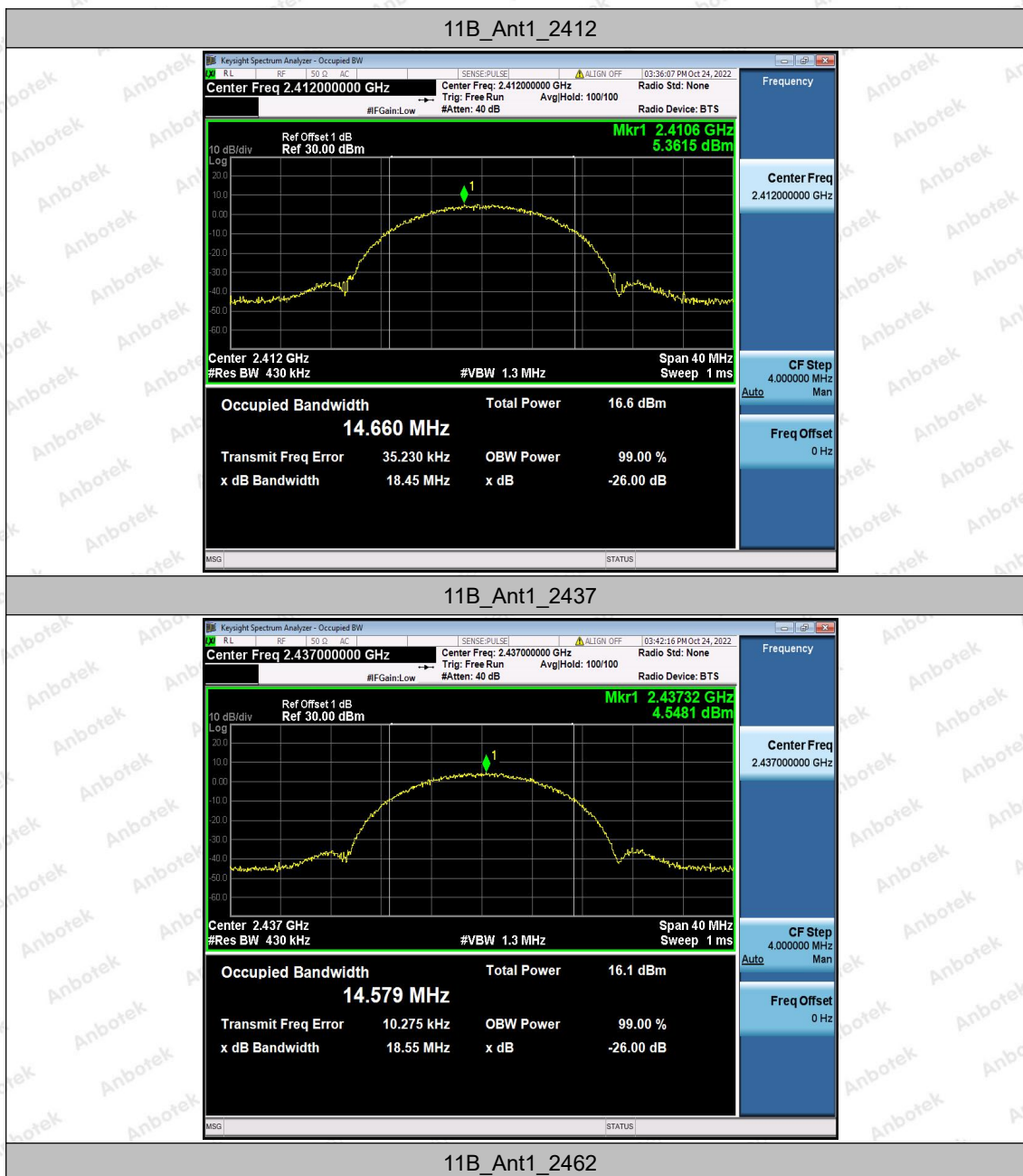
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## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   |
|----------|---------|---------------------------|--------------|-----------|-----------|
| 11B      | Ant1    | 2412                      | 14.660       | 2404.7052 | 2419.3652 |
|          |         | 2437                      | 14.579       | 2429.7208 | 2444.2998 |
|          |         | 2462                      | 14.555       | 2454.7425 | 2469.2975 |
| 11G      | Ant1    | 2412                      | 16.884       | 2403.6079 | 2420.4919 |
|          |         | 2437                      | 16.922       | 2428.5612 | 2445.4832 |
|          |         | 2462                      | 16.986       | 2453.4312 | 2470.4172 |
| 11N20    | Ant1    | 2412                      | 18.031       | 2402.9884 | 2421.0194 |
|          |         | 2437                      | 17.873       | 2428.0420 | 2445.9150 |
|          |         | 2462                      | 18.003       | 2453.0321 | 2471.0351 |

## Test Graphs



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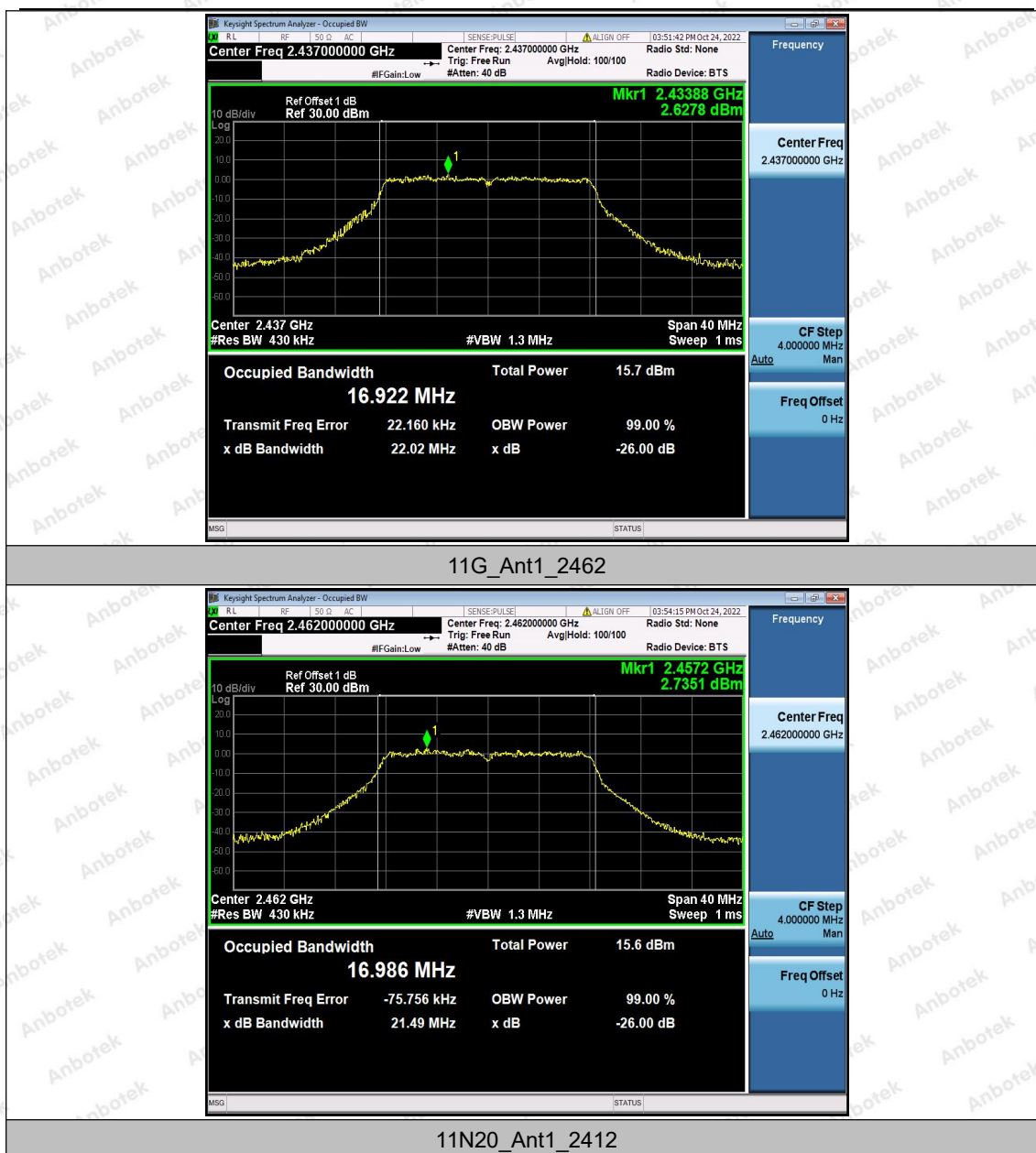
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11G\_Ant1\_2412



11G\_Ant1\_2437

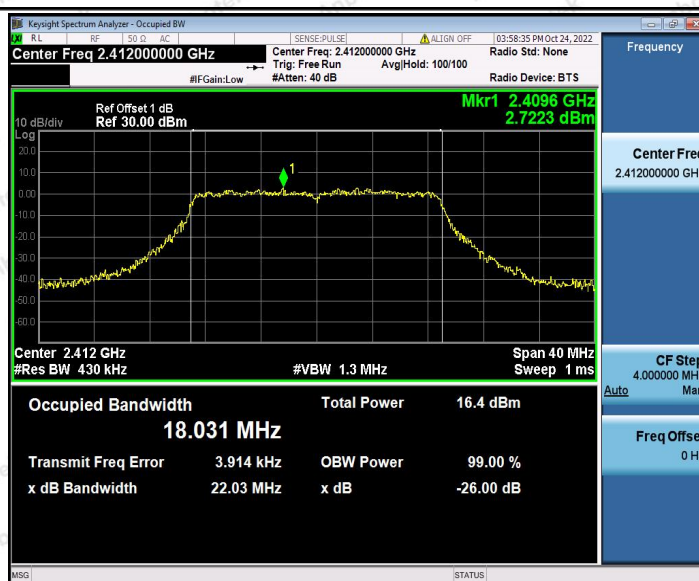


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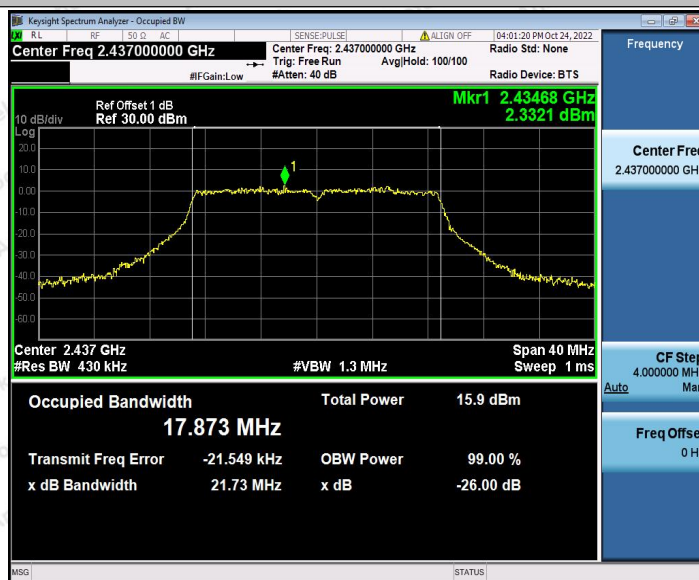
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11N20\_Ant1\_2437



11N20\_Ant1\_2462



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## Appendix C: Maximum conducted output power

### Test Result Peak

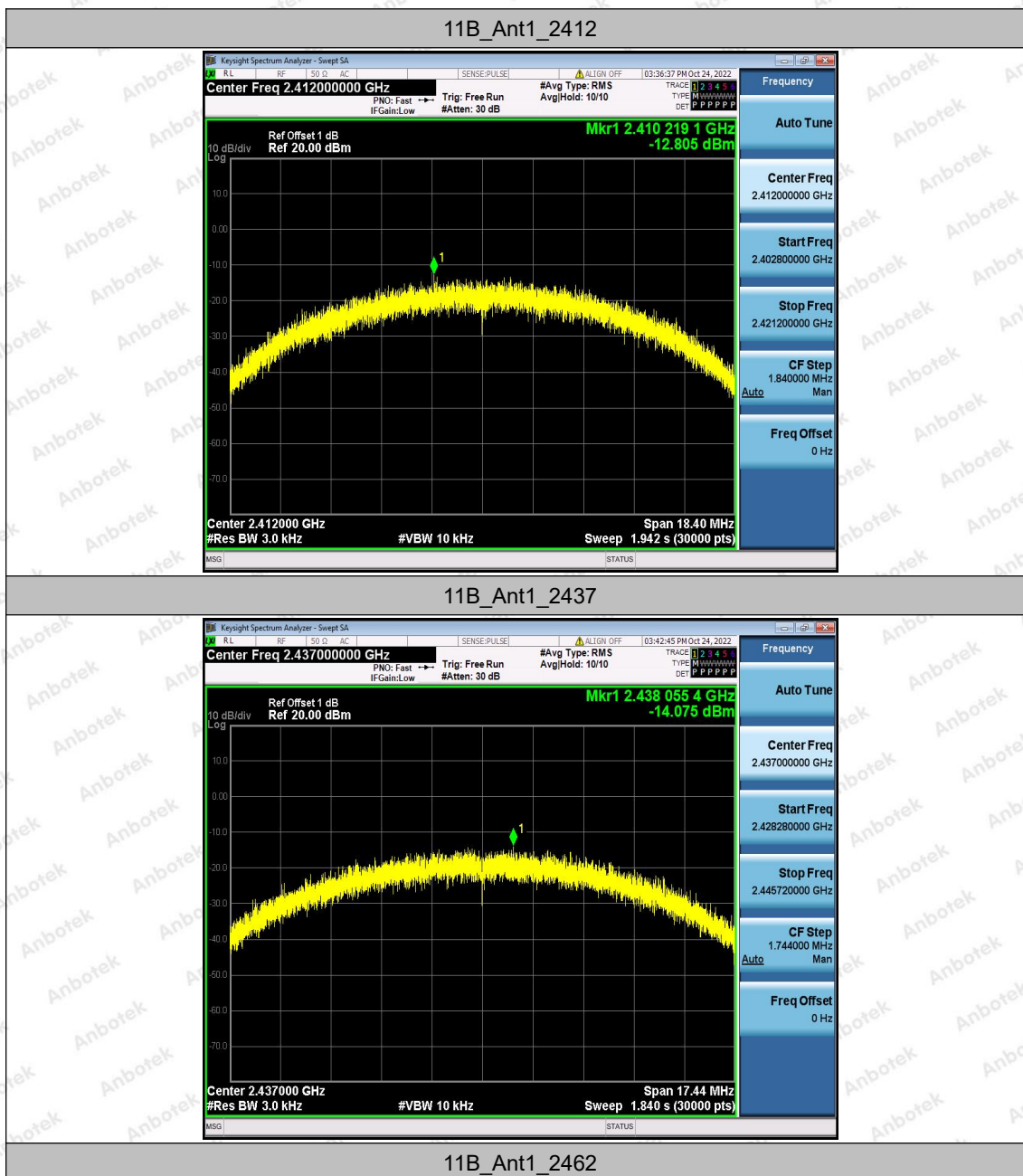
| TestMode | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] |
|----------|---------|----------------|-----------------|----------------------|
| 11B      | Ant1    | 2412           | 16.24           | ≤30.00               |
|          |         | 2437           | 15.59           | ≤30.00               |
|          |         | 2462           | 15.24           | ≤30.00               |
| 11G      | Ant1    | 2412           | 16.94           | ≤30.00               |
|          |         | 2437           | 16.81           | ≤30.00               |
|          |         | 2462           | 16.51           | ≤30.00               |
| 11N20    | Ant1    | 2412           | 17.26           | ≤30.00               |
|          |         | 2437           | 16.61           | ≤30.00               |
|          |         | 2462           | 16.58           | ≤30.00               |

## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| 11B      | Ant1    | 2412           | -12.81           | ≤8.00           | PASS    |
|          |         | 2437           | -14.08           | ≤8.00           | PASS    |
|          |         | 2462           | -14.02           | ≤8.00           | PASS    |
| 11G      | Ant1    | 2412           | -16.29           | ≤8.00           | PASS    |
|          |         | 2437           | -15.41           | ≤8.00           | PASS    |
|          |         | 2462           | -17.22           | ≤8.00           | PASS    |
| 11N20    | Ant1    | 2412           | -16.47           | ≤8.00           | PASS    |
|          |         | 2437           | -16.31           | ≤8.00           | PASS    |
|          |         | 2462           | -16.76           | ≤8.00           | PASS    |

## Test Graphs



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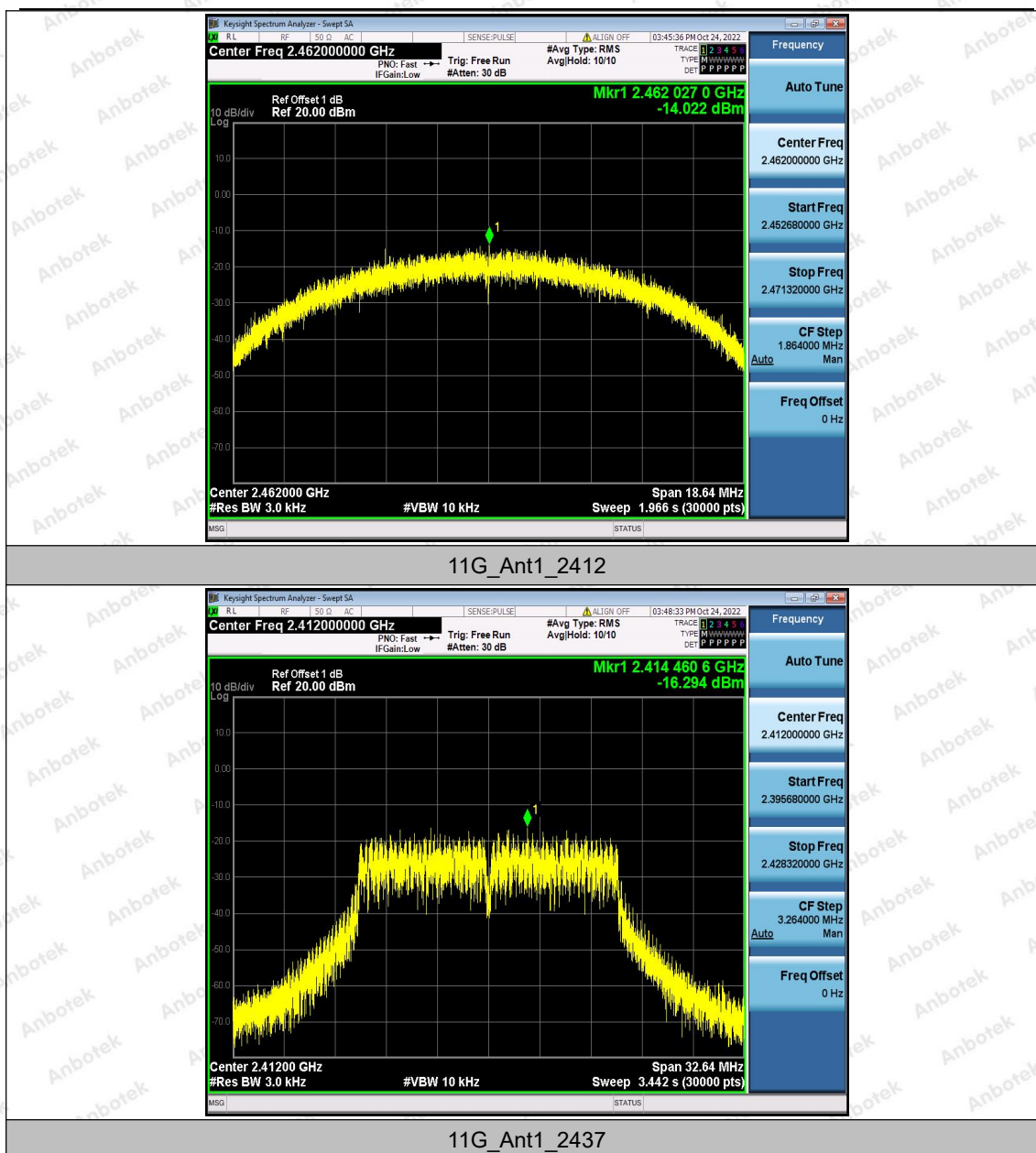
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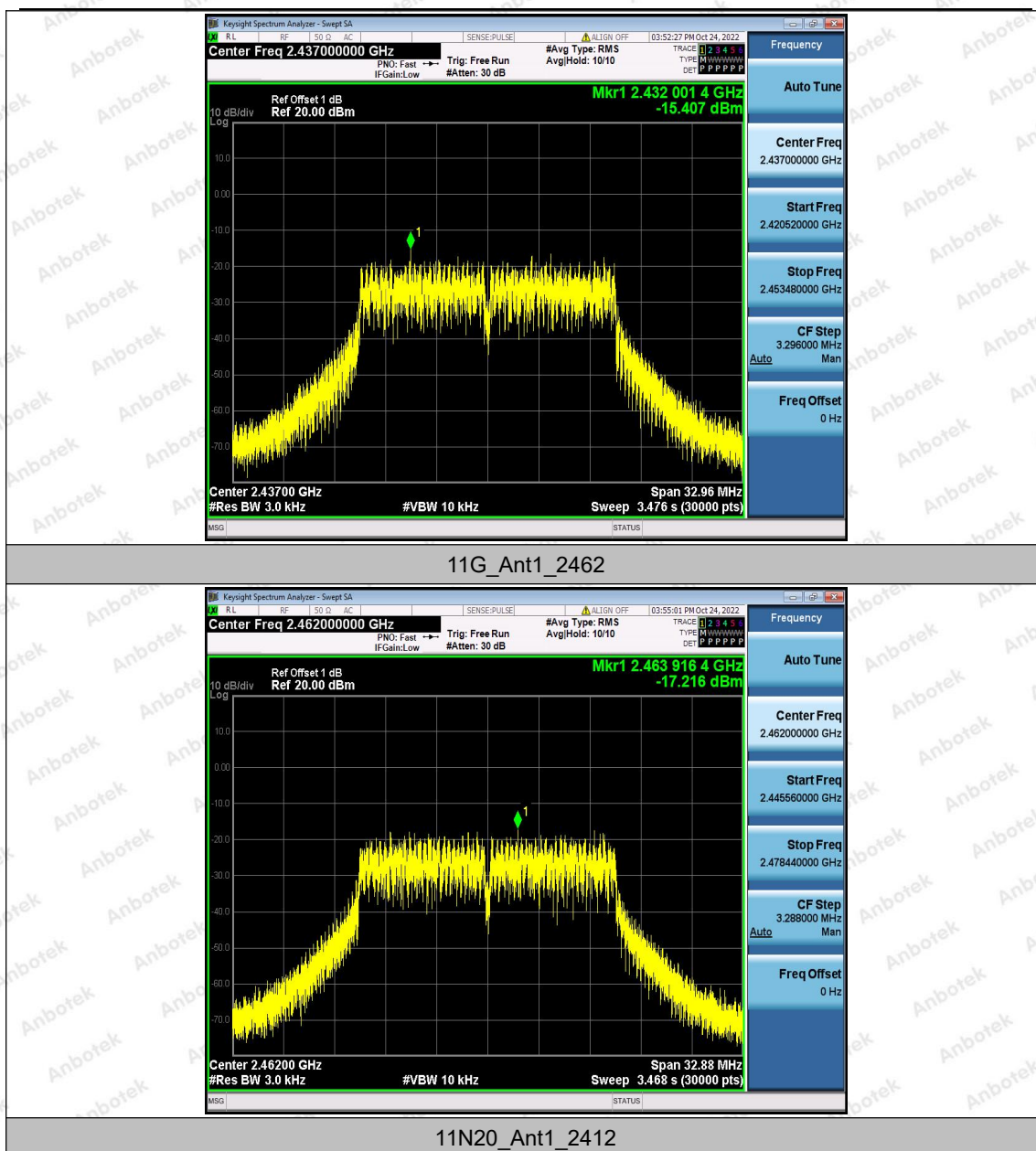


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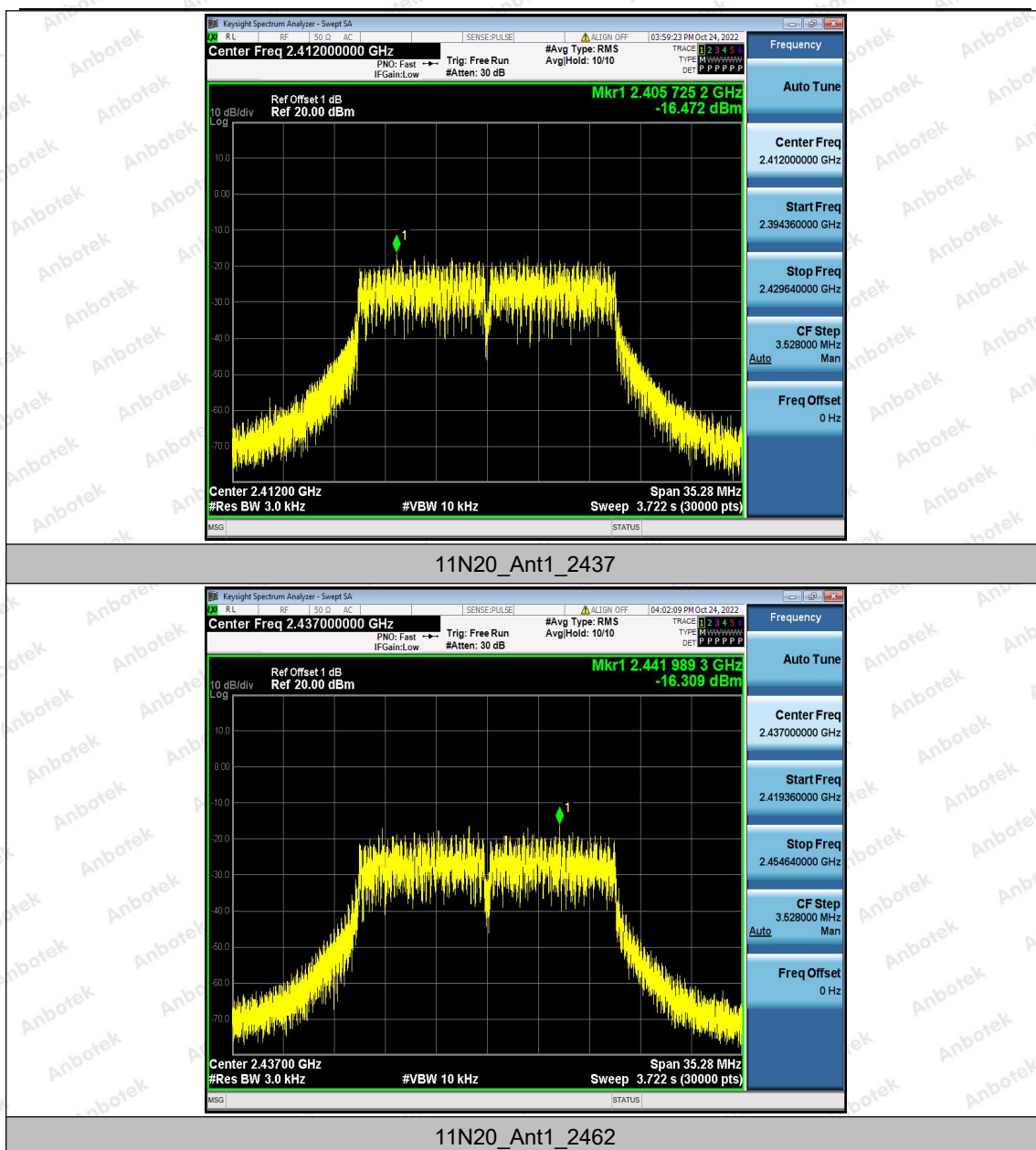


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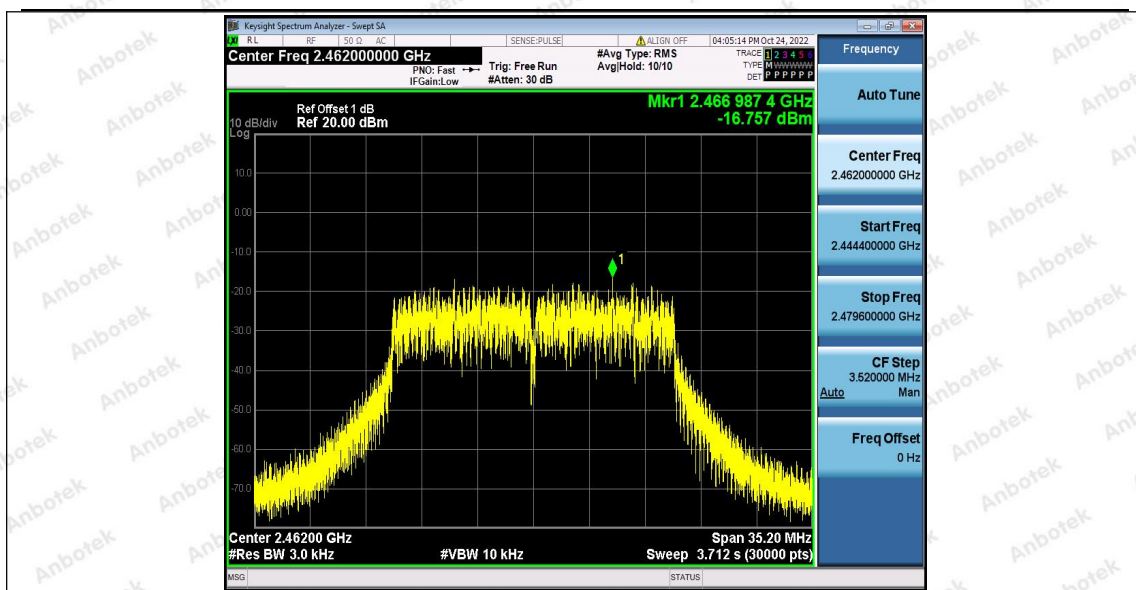


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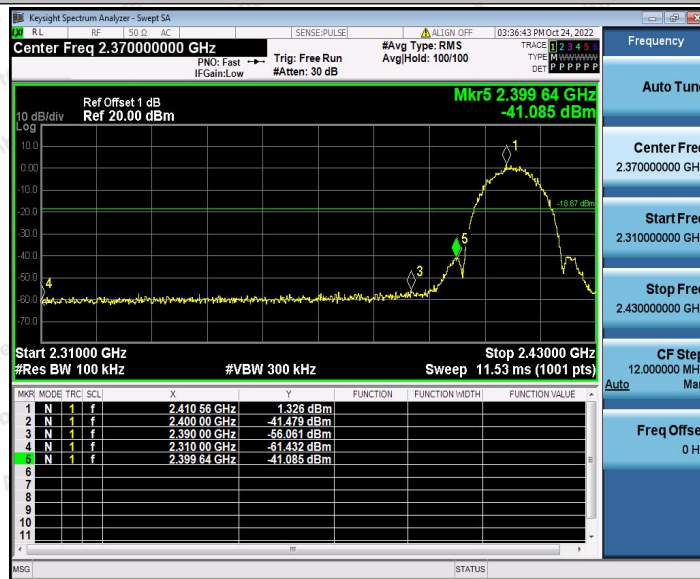
## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | Channel Name | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------------|-----------------|----------------|--------------|-------------|---------|
| 11B      | Ant1    | Low          | 2412            | 1.33           | -41.09       | ≤-18.67     | PASS    |
|          |         | High         | 2462            | -0.69          | -56.66       | ≤-20.69     | PASS    |
| 11G      | Ant1    | Low          | 2412            | -1.43          | -38.54       | ≤-21.43     | PASS    |
|          |         | High         | 2462            | -2.30          | -56.05       | ≤-22.3      | PASS    |
| 11N20    | Ant1    | Low          | 2412            | -1.13          | -38.18       | ≤-21.13     | PASS    |
|          |         | High         | 2462            | -1.70          | -55.39       | ≤-21.7      | PASS    |

## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412

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