

## Appendix Test Data

|                  |                 |                    |                   |
|------------------|-----------------|--------------------|-------------------|
| Report No.:      | 18220WC20179901 | Test Sample No.:   | 1-2-2             |
| Start Test Date: | 2022.8.9        | Finish Test Date:  | 2022.8.19         |
| Test Engineer:   | <i>Jonny He</i> | Auditor:           | <i>Edward Pan</i> |
| Temperature:     | 26.3°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           | 9.120        | 2407.440 | 2416.560 | ≥0.5       | PASS    |
|          |         | 2437           | 9.080        | 2432.480 | 2441.560 | ≥0.5       | PASS    |
|          |         | 2462           | 9.520        | 2457.480 | 2467.000 | ≥0.5       | PASS    |



## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462

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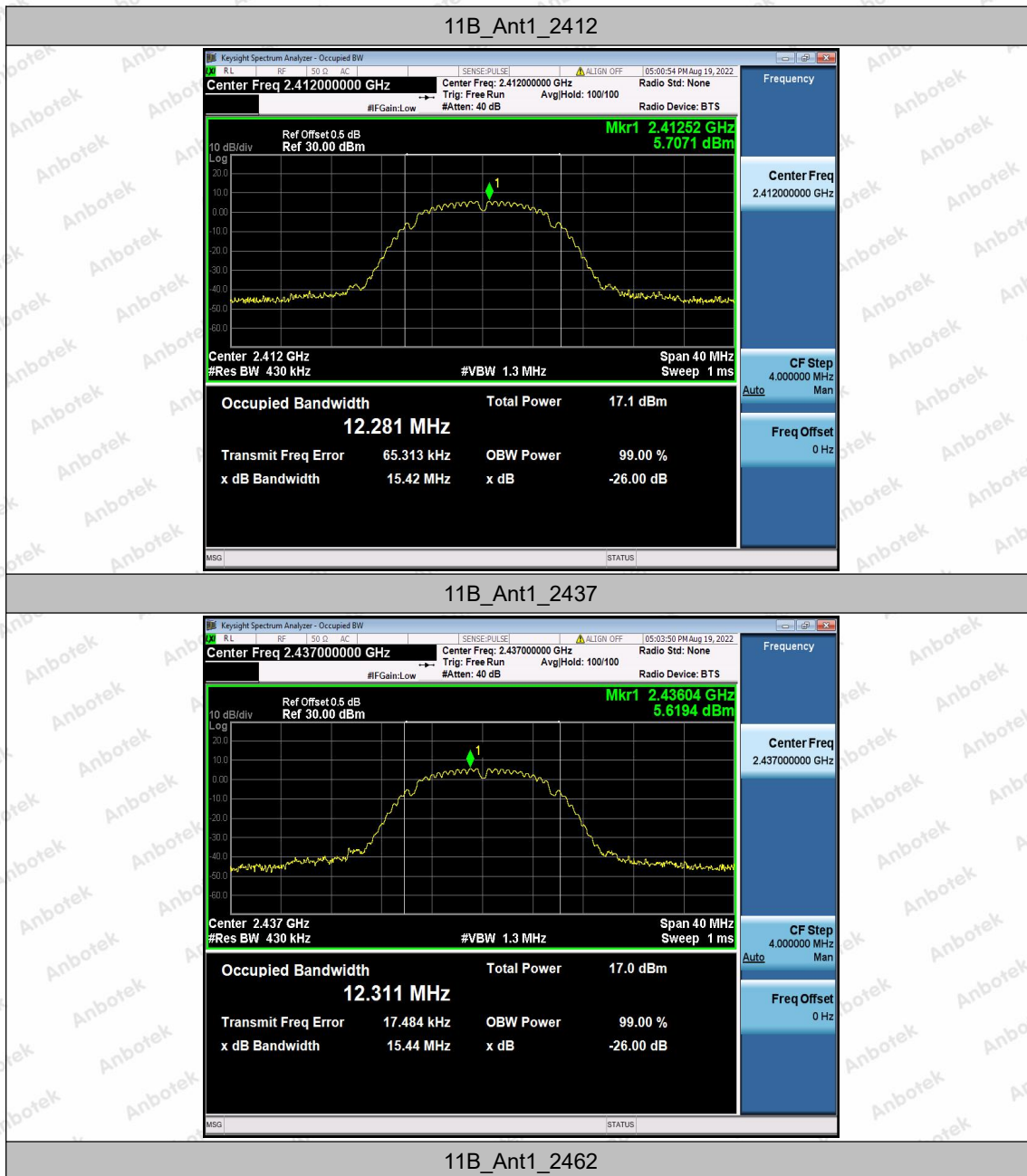
**Appendix B: Occupied Channel Bandwidth**

**Test Result**

| TestMode | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|---------------------------|--------------|-----------|-----------|------------|---------|
| 11B      | Ant1    | 2412                      | 12.281       | 2405.9248 | 2418.2058 | ---        | ---     |
|          |         | 2437                      | 12.311       | 2430.8620 | 2443.1730 | ---        | ---     |
|          |         | 2462                      | 12.358       | 2455.8221 | 2468.1801 | ---        | ---     |



## Test Graphs



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## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequen<br>cy[MHz] | Set<br>Power | Peak<br>Power[dBm] | Conducted<br>Limit[dBm] | Verdict |
|----------|---------|--------------------|--------------|--------------------|-------------------------|---------|
| 11B      | Ant1    | 2412               | ---          | 17.11              | ≤30.00                  | PASS    |
|          |         | 2437               | ---          | 17.03              | ≤30.00                  | PASS    |
|          |         | 2462               | ---          | 17.27              | ≤30.00                  | PASS    |



**Appendix D: Maximum power spectral density**

**Test Result**

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| 11B      | Ant1    | 2412           | -8.72            | ≤8.00           | PASS    |
|          |         | 2437           | -8.18            | ≤8.00           | PASS    |
|          |         | 2462           | -8.49            | ≤8.00           | PASS    |



## Test Graphs



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## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | Channel Name | Frequency [MHz] | Reference Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------------|-----------------|-----------------------|--------------|-------------|---------|
| 11B      | Ant1    | Low          | 2412            | 5.52                  | -47.94       | ≤-14.48     | PASS    |
|          |         | High         | 2462            | 5.76                  | -54.85       | ≤-14.24     | PASS    |



## Test Graphs



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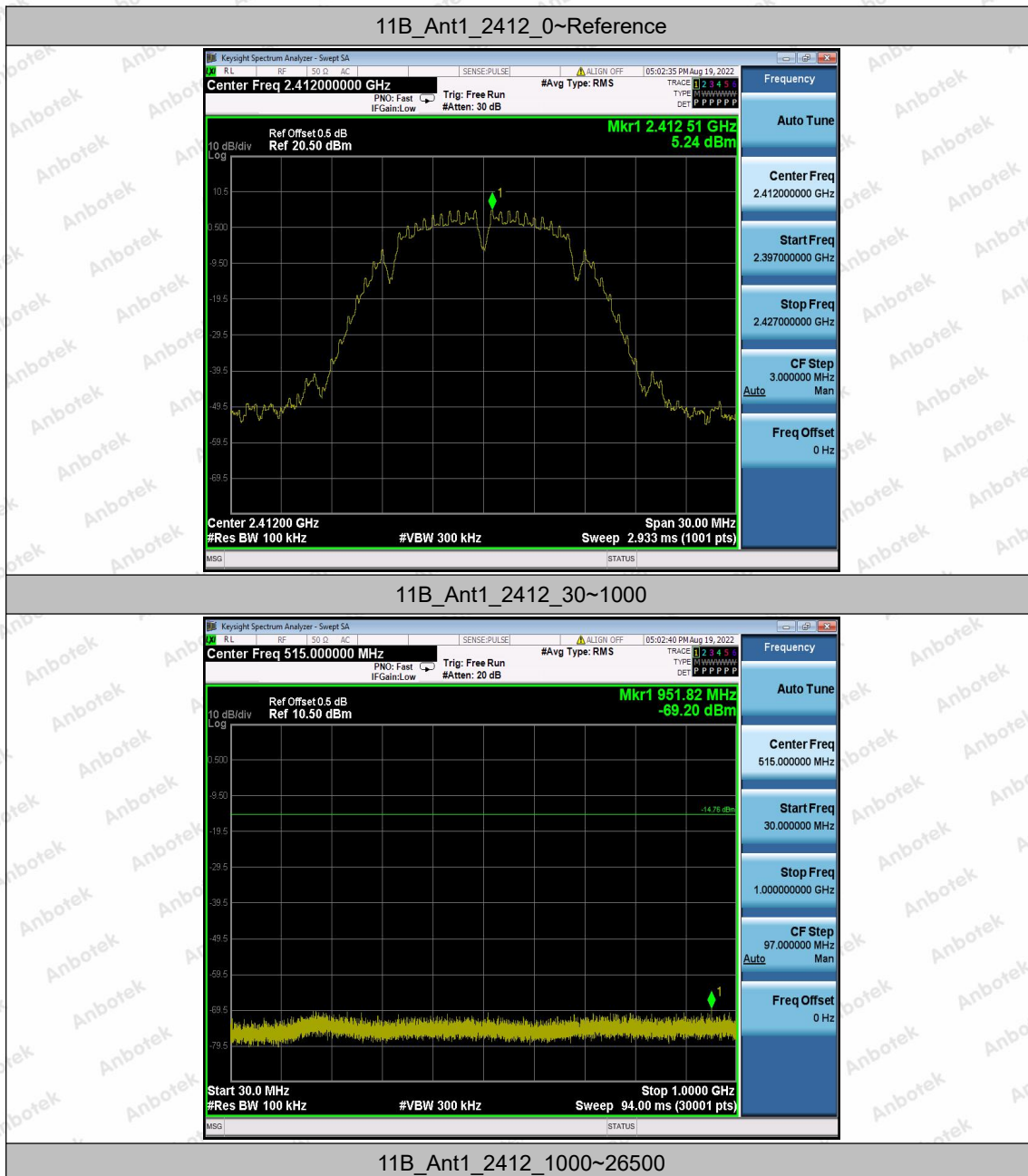
## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 11B      | Ant1    | 2412           | Reference       | 5.24           | 5.24         | ---         | PASS    |
|          |         |                | 30~1000         | 5.24           | -69.2        | ≤-14.76     | PASS    |
|          |         |                | 1000~26500      | 5.24           | -53.67       | ≤-14.76     | PASS    |
|          |         | 2437           | Reference       | 5.56           | 5.56         | ---         | PASS    |
|          |         |                | 30~1000         | 5.56           | -69.45       | ≤-14.44     | PASS    |
|          |         |                | 1000~26500      | 5.56           | -53.87       | ≤-14.44     | PASS    |
|          |         | 2462           | Reference       | 5.80           | 5.80         | ---         | PASS    |
|          |         |                | 30~1000         | 5.80           | -67.84       | ≤-14.2      | PASS    |
|          |         |                | 1000~26500      | 5.80           | -54.29       | ≤-14.2      | PASS    |



## Test Graphs



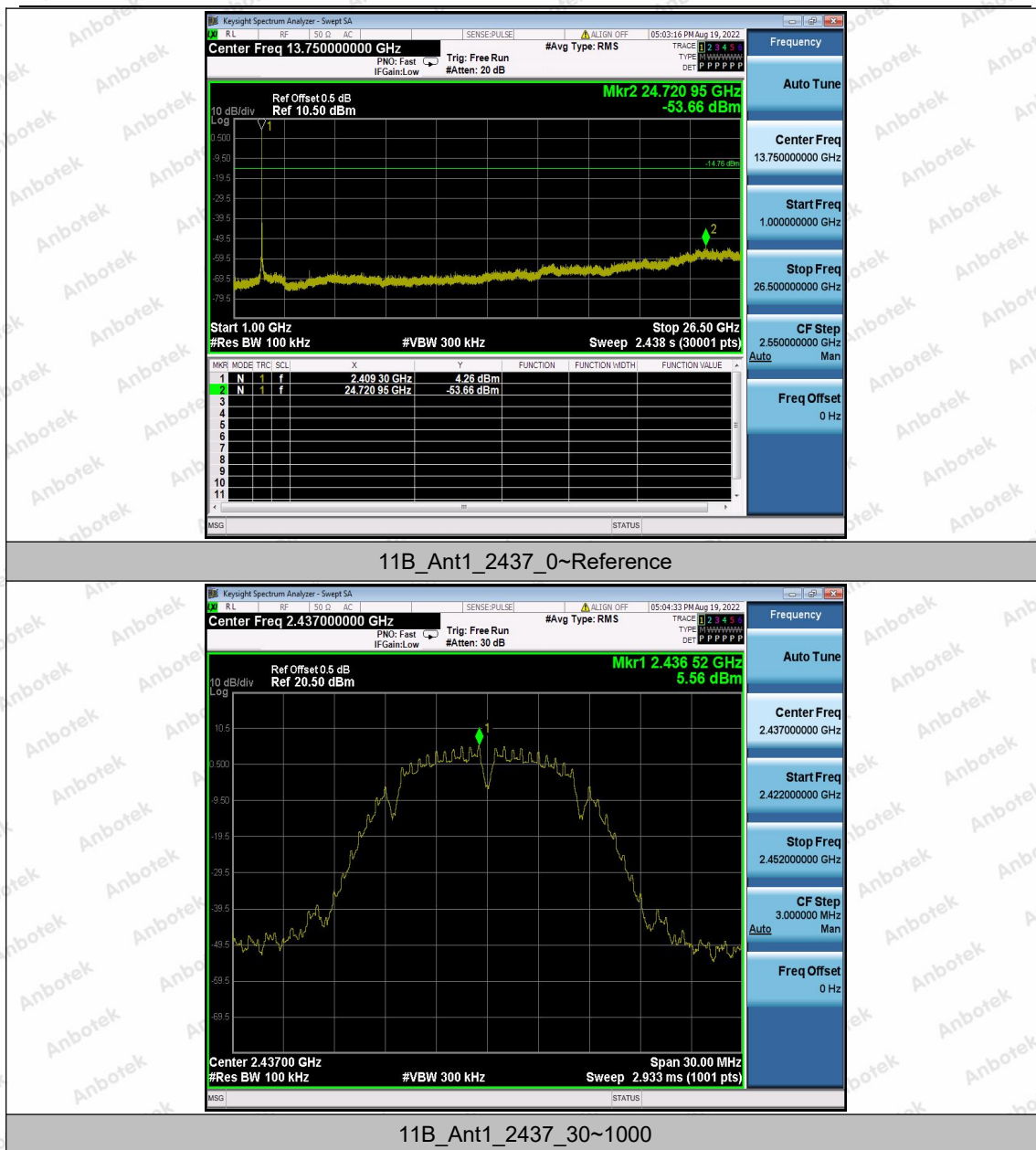
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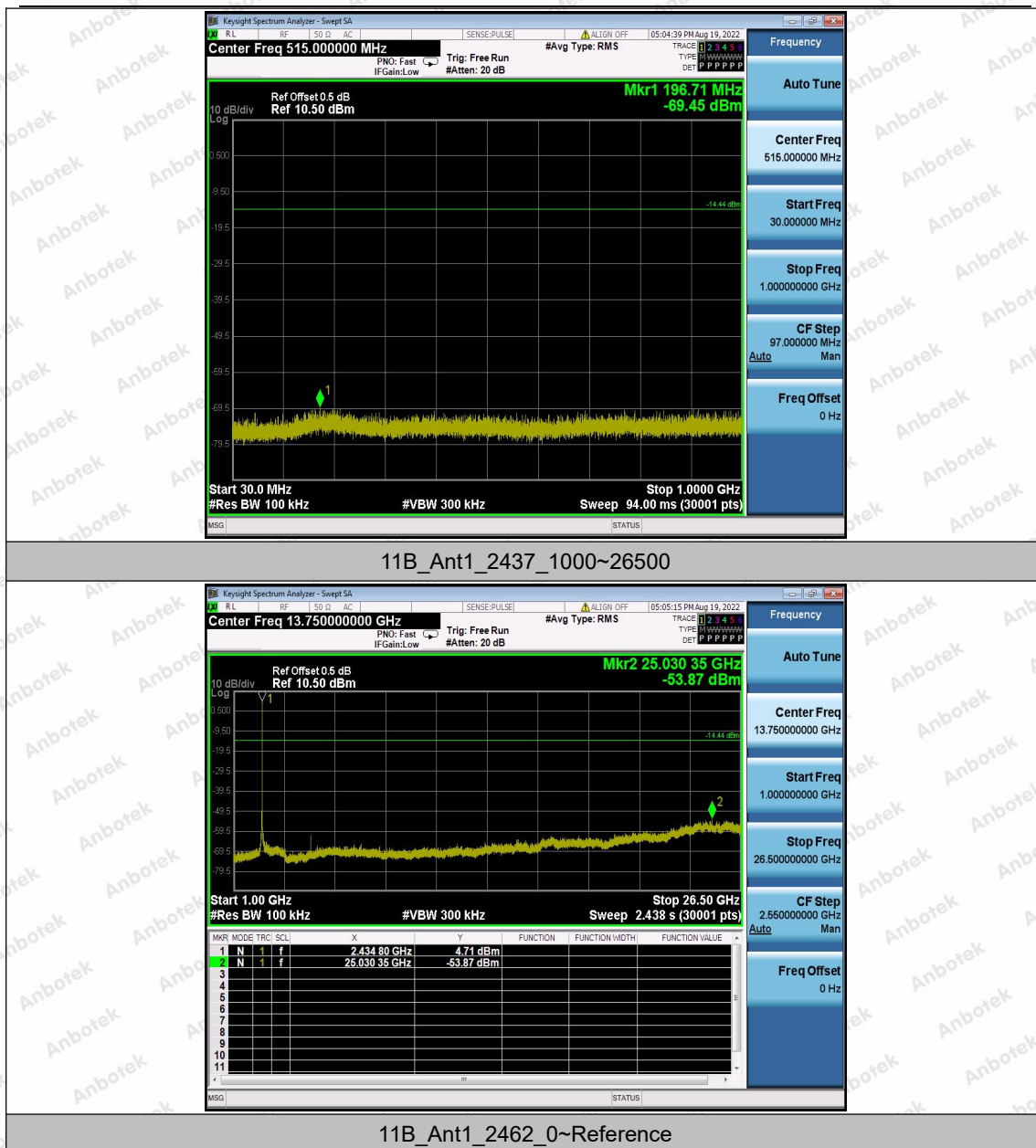
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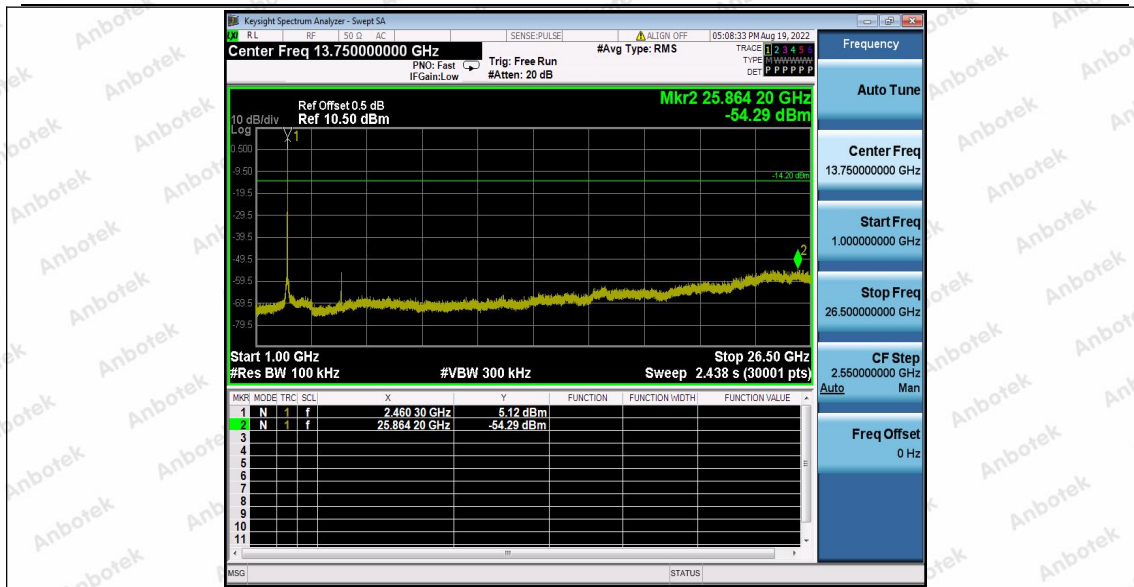
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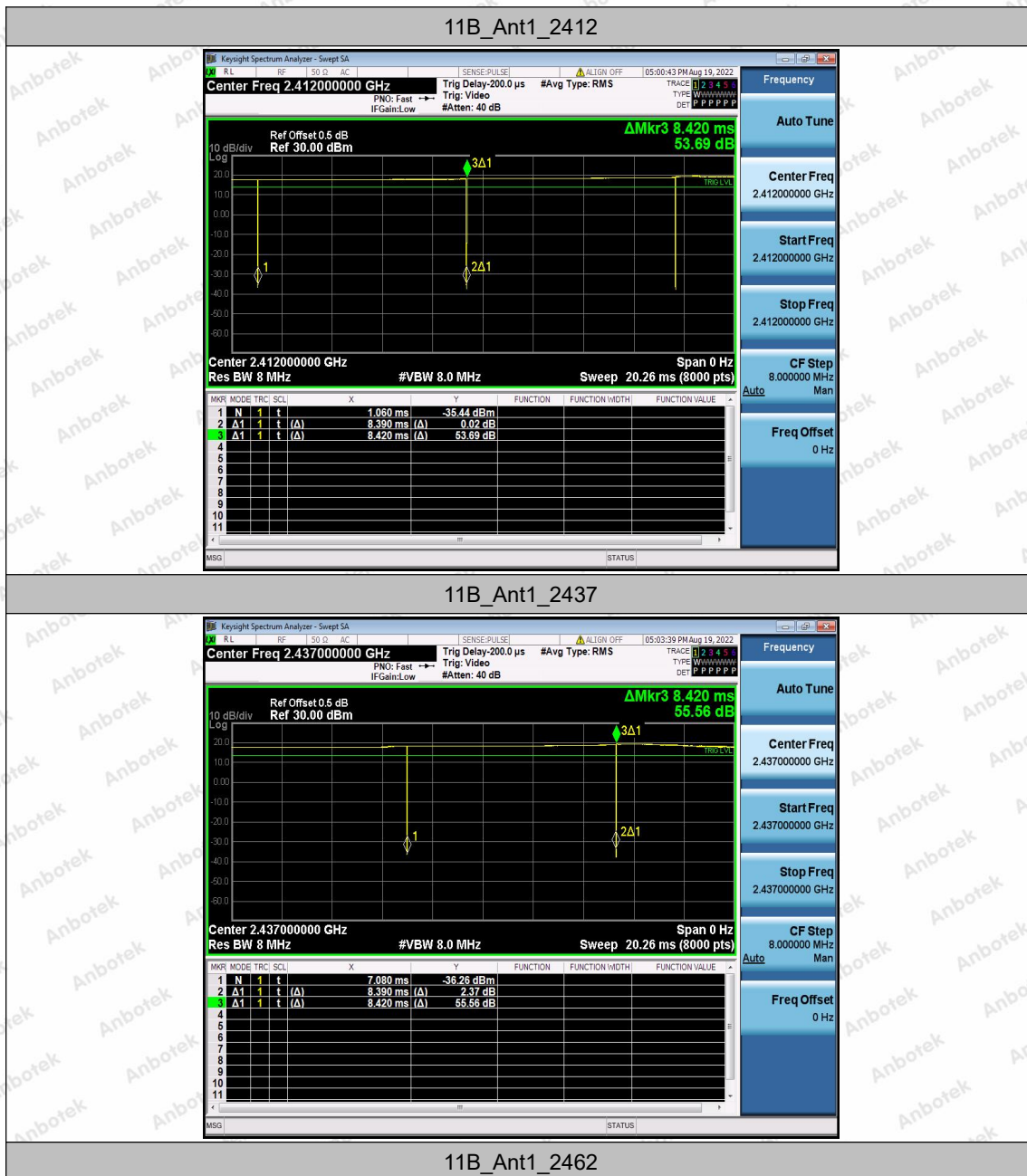
## Appendix G: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | Transmission<br>Duration [ms] | Transmission<br>Period [ms] | Duty Cycle<br>[%] | Factor |
|----------|---------|----------------|-------------------------------|-----------------------------|-------------------|--------|
| 11B      | Ant1    | 2412           | 8.39                          | 8.42                        | 99.64             | 0.02   |
|          |         | 2437           | 8.39                          | 8.42                        | 99.64             | 0.02   |
|          |         | 2462           | 8.38                          | 8.41                        | 99.64             | 0.02   |



## Test Graphs



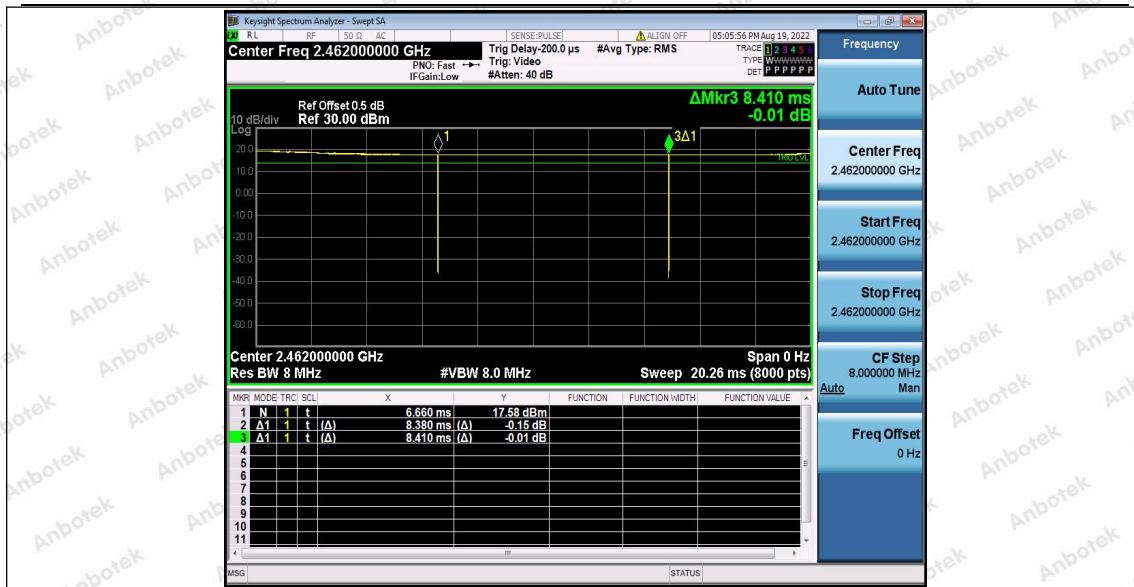
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