

Appendix: 2.4G WIFI

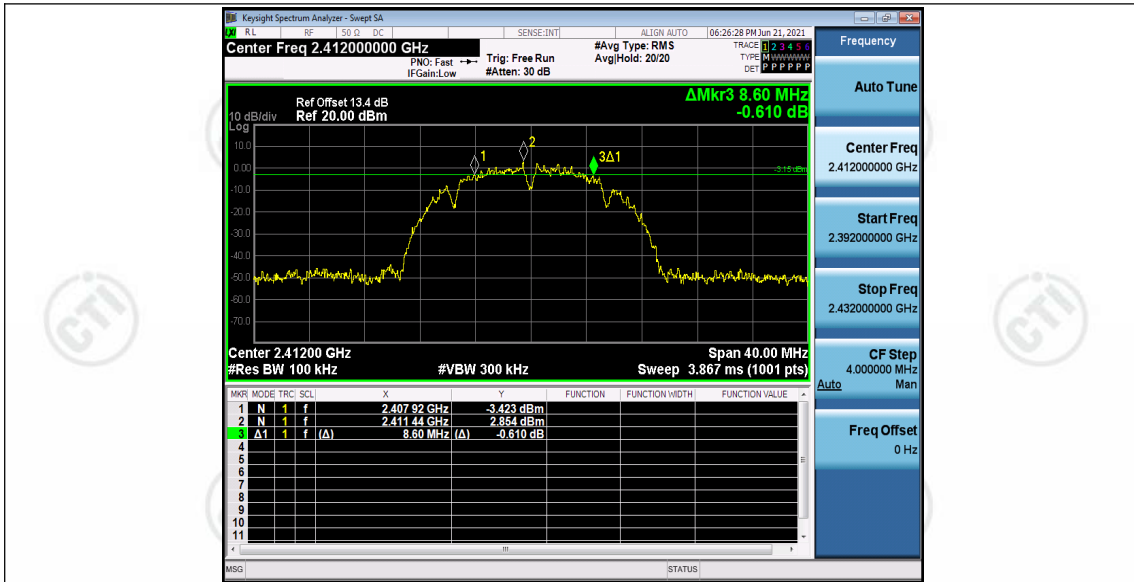
Contents

| | |
|--|----|
| Contents..... | 2 |
| AppendixA: DTS Bandwidth..... | 3 |
| Test Result..... | 3 |
| Test Graphs..... | 4 |
| AppendixB: Occupied Channel Bandwidth..... | 9 |
| Test Result..... | 9 |
| Test Graphs..... | 10 |
| AppendixC: Maximum conducted output power..... | 15 |
| Test Result..... | 15 |
| Test Graphs..... | 16 |
| AppendixD: Maximum power spectral density..... | 21 |
| Test Result..... | 21 |
| Test Graphs..... | 22 |
| AppendixE:Band edge measurements..... | 27 |
| Test Result..... | 27 |
| Test Graphs..... | 28 |
| AppendixF:Conducted SpuriousEmission..... | 31 |
| Test Result..... | 31 |
| Test Graphs..... | 33 |
| AppendixG: Duty Cycle..... | 47 |
| Test Result..... | 47 |
| Test Graphs..... | 48 |

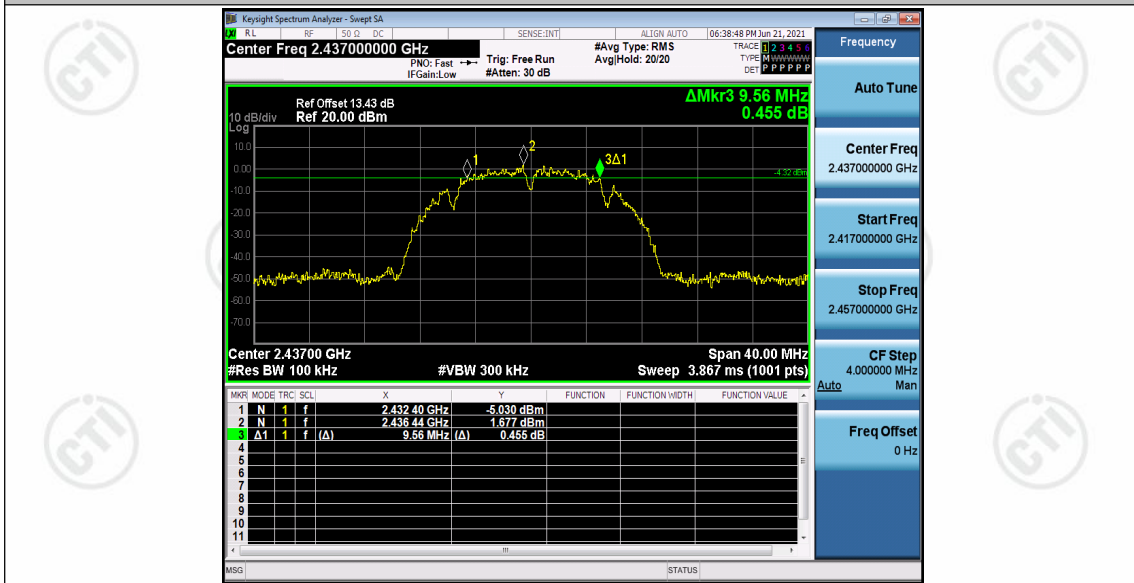
AppendixA: DTS Bandwidth**Test Result**

| TestMode | Antenna | Channel | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---------------|---------|---------|--------------|----------|----------|------------|---------|
| 11B | Ant1 | 2412 | 8.600 | 2407.920 | 2416.520 | 0.5 | PASS |
| | | 2437 | 9.560 | 2432.400 | 2441.960 | 0.5 | PASS |
| | | 2462 | 10.080 | 2456.920 | 2467.000 | 0.5 | PASS |
| 11G | Ant1 | 2412 | 16.480 | 2403.720 | 2420.200 | 0.5 | PASS |
| | | 2437 | 16.560 | 2428.680 | 2445.240 | 0.5 | PASS |
| | | 2462 | 16.600 | 2453.640 | 2470.240 | 0.5 | PASS |
| 11N20SIS O | Ant1 | 2412 | 17.000 | 2403.400 | 2420.400 | 0.5 | PASS |
| | | 2437 | 16.760 | 2428.760 | 2445.520 | 0.5 | PASS |
| | | 2462 | 17.760 | 2453.080 | 2470.840 | 0.5 | PASS |

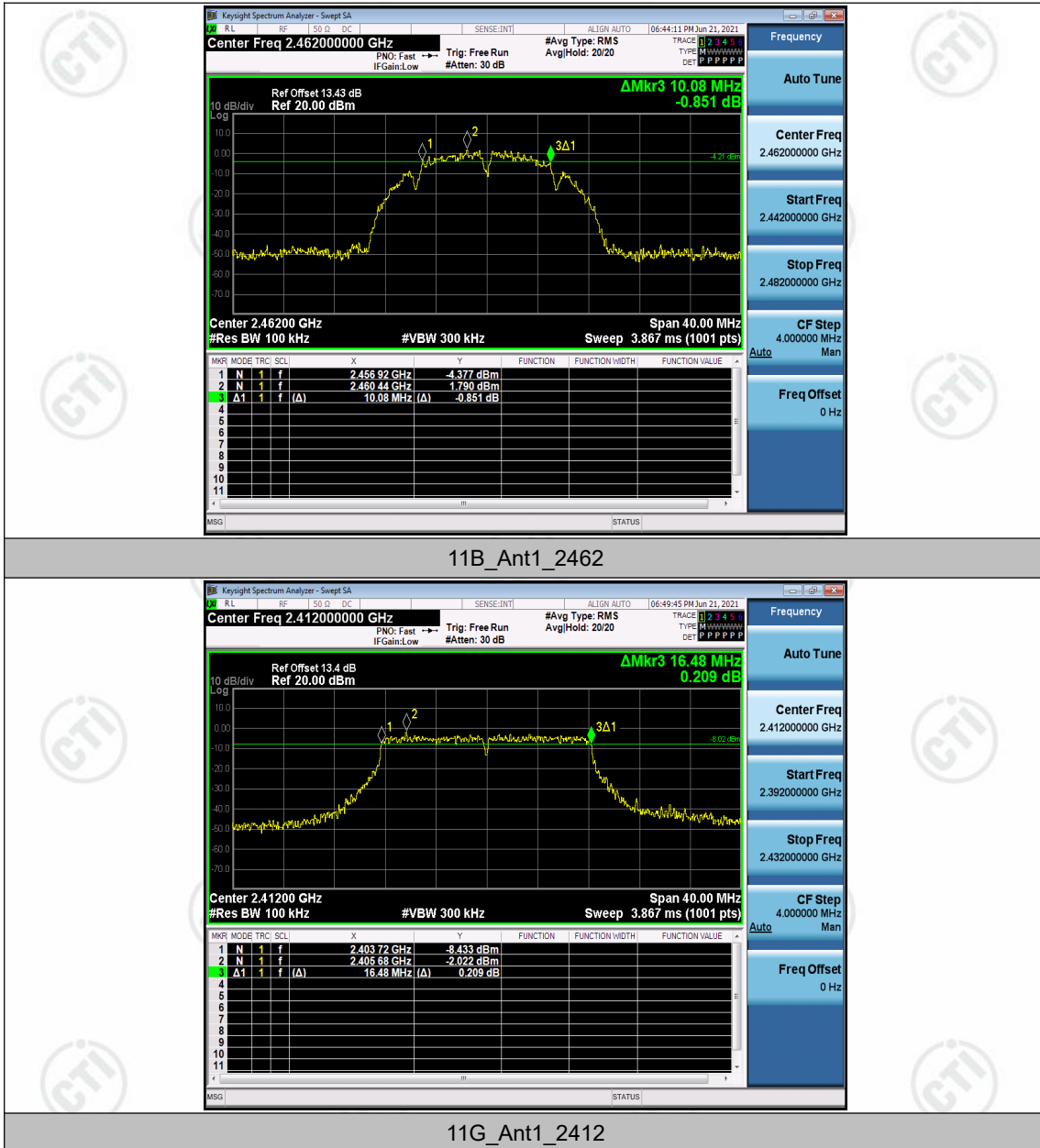
Test Graphs

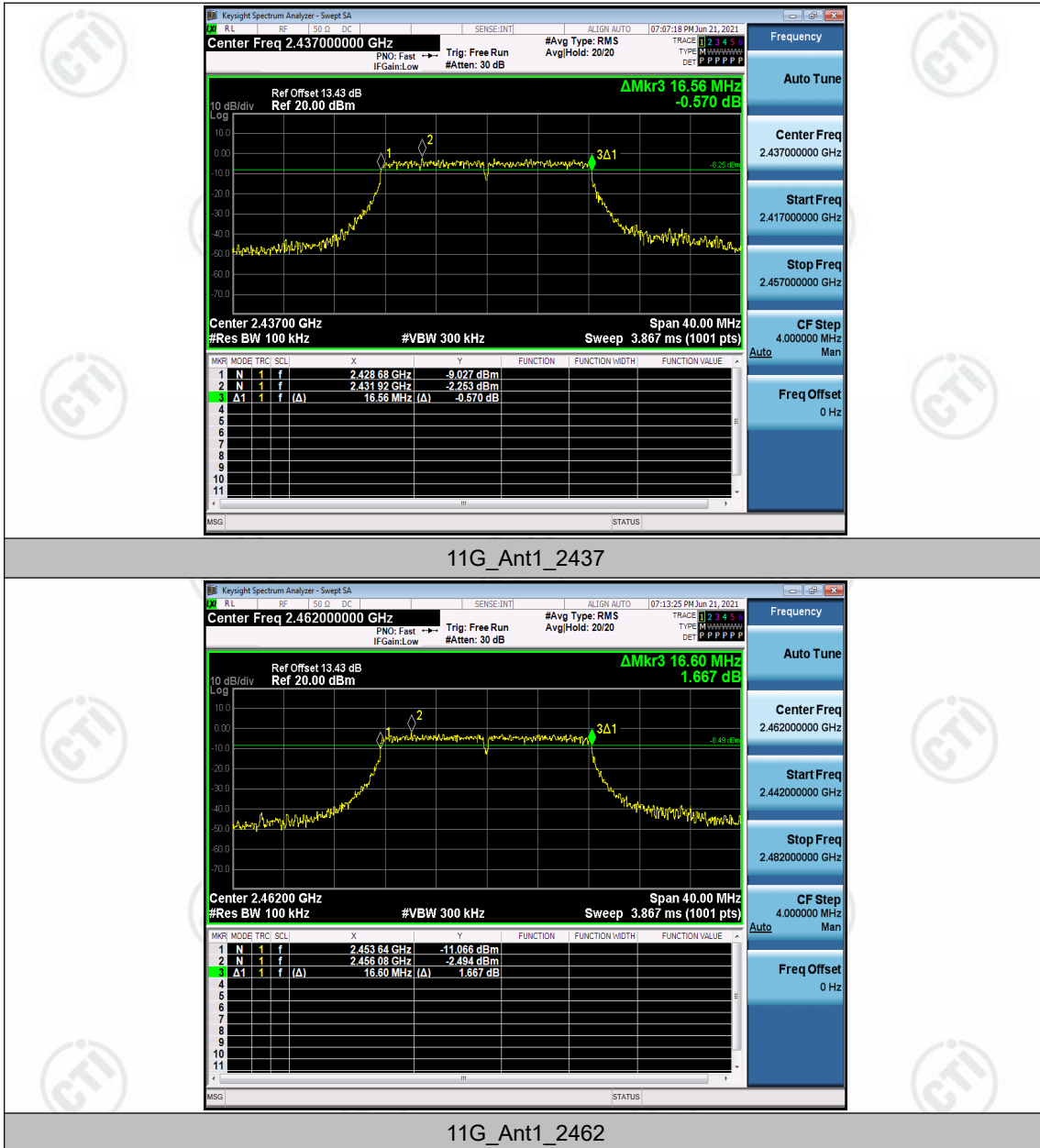


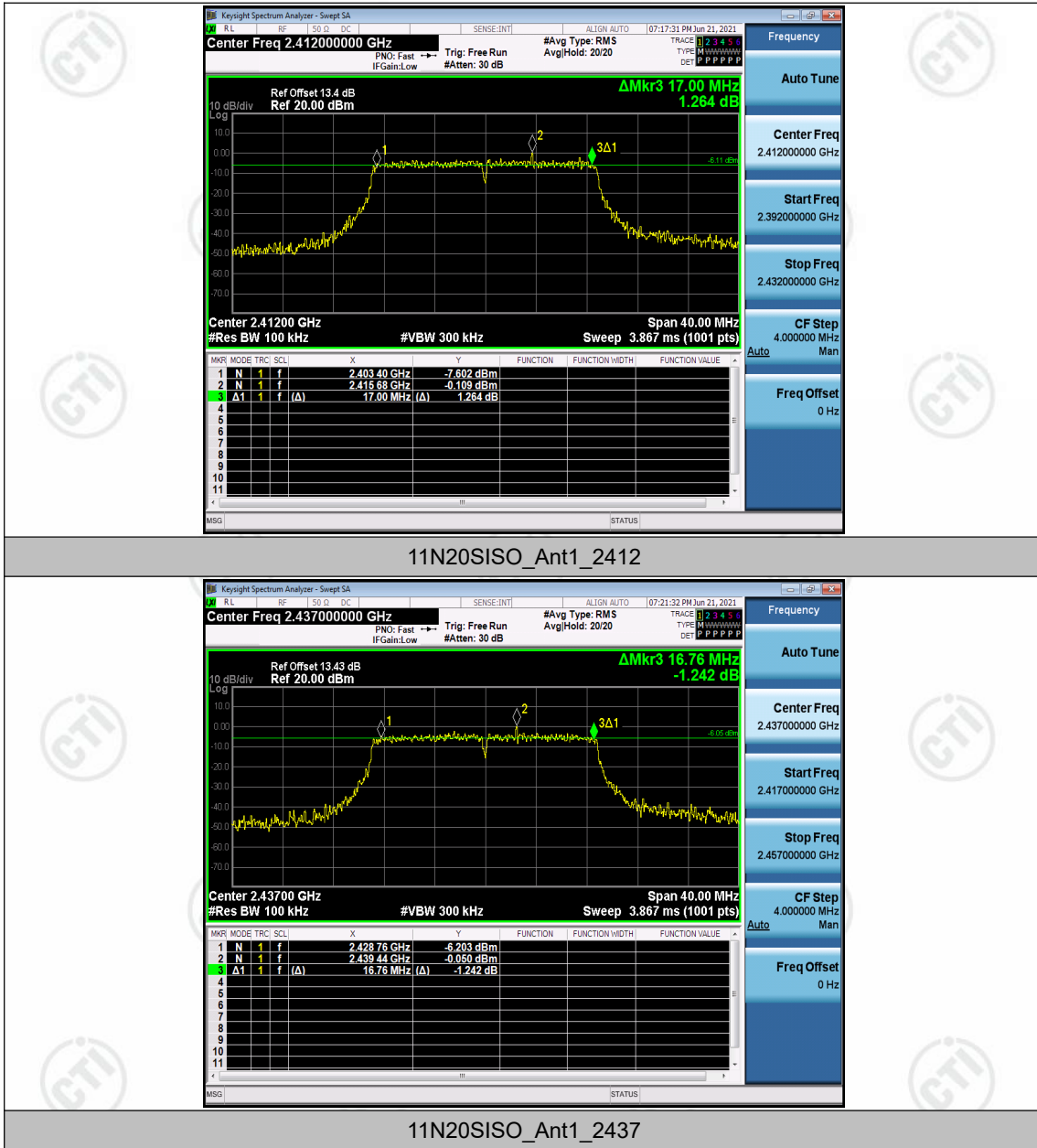
11B_Ant1_2412

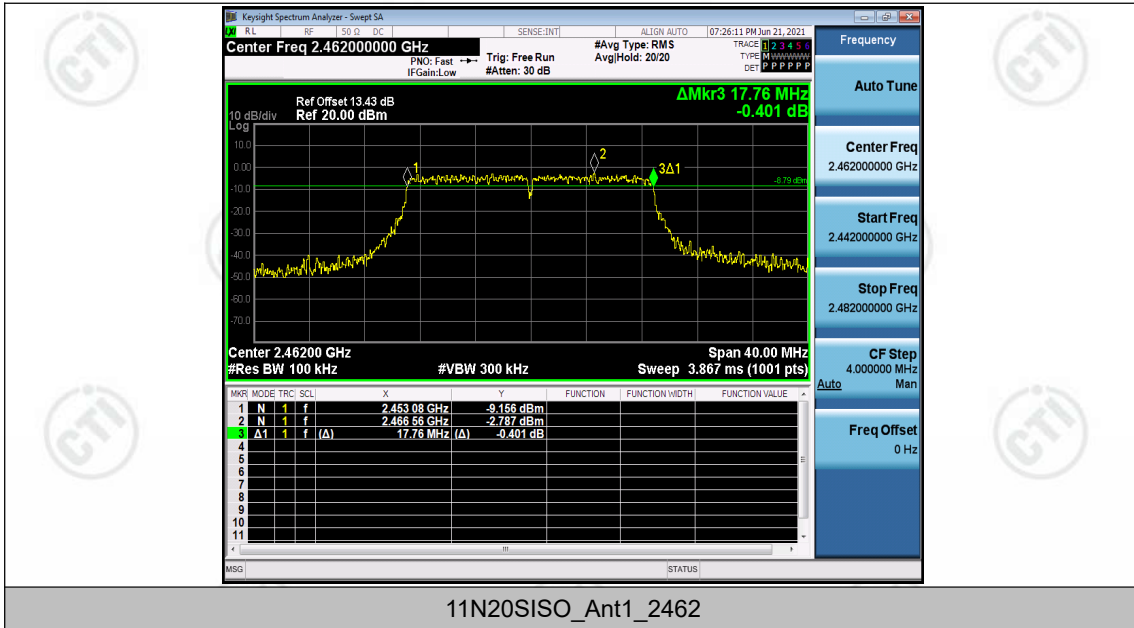


11B_Ant1_2437





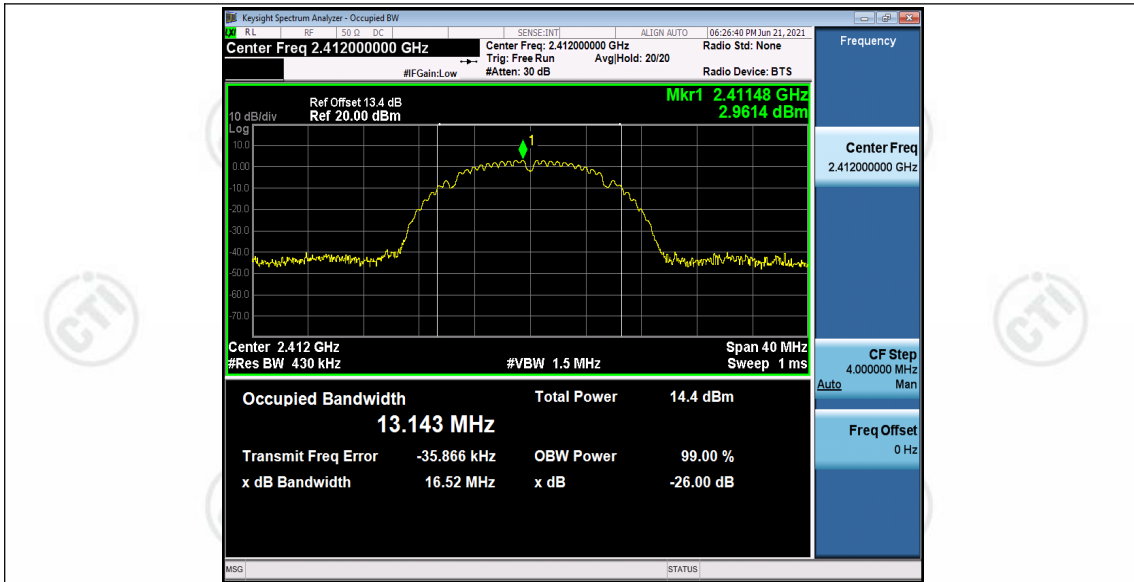




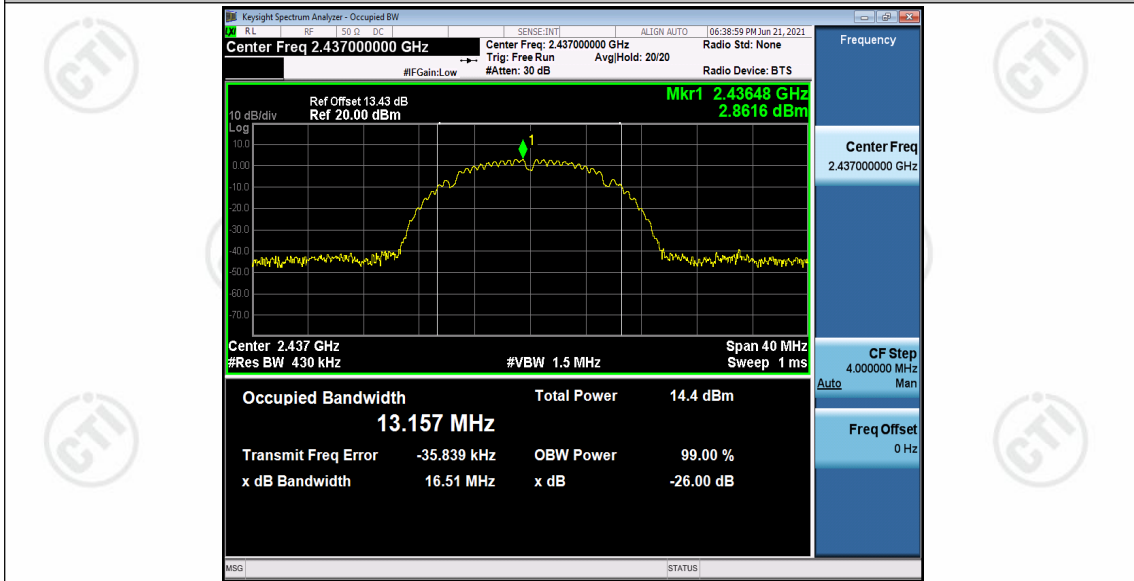
Appendix B: Occupied Channel Bandwidth**Test Result**

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---------------|---------|---------|-----------|----------|----------|------------|---------|
| 11B | Ant1 | 2412 | 13.143 | 2405.393 | 2418.536 | --- | PASS |
| | | 2437 | 13.157 | 2430.386 | 2443.543 | --- | PASS |
| | | 2462 | 13.162 | 2455.354 | 2468.516 | --- | PASS |
| 11G | Ant1 | 2412 | 16.797 | 2403.594 | 2420.391 | --- | PASS |
| | | 2437 | 16.723 | 2428.619 | 2445.342 | --- | PASS |
| | | 2462 | 16.822 | 2453.538 | 2470.360 | --- | PASS |
| 11N20SIS O | Ant1 | 2412 | 17.752 | 2403.089 | 2420.841 | --- | PASS |
| | | 2437 | 17.799 | 2428.133 | 2445.932 | --- | PASS |
| | | 2462 | 17.773 | 2453.088 | 2470.861 | --- | PASS |

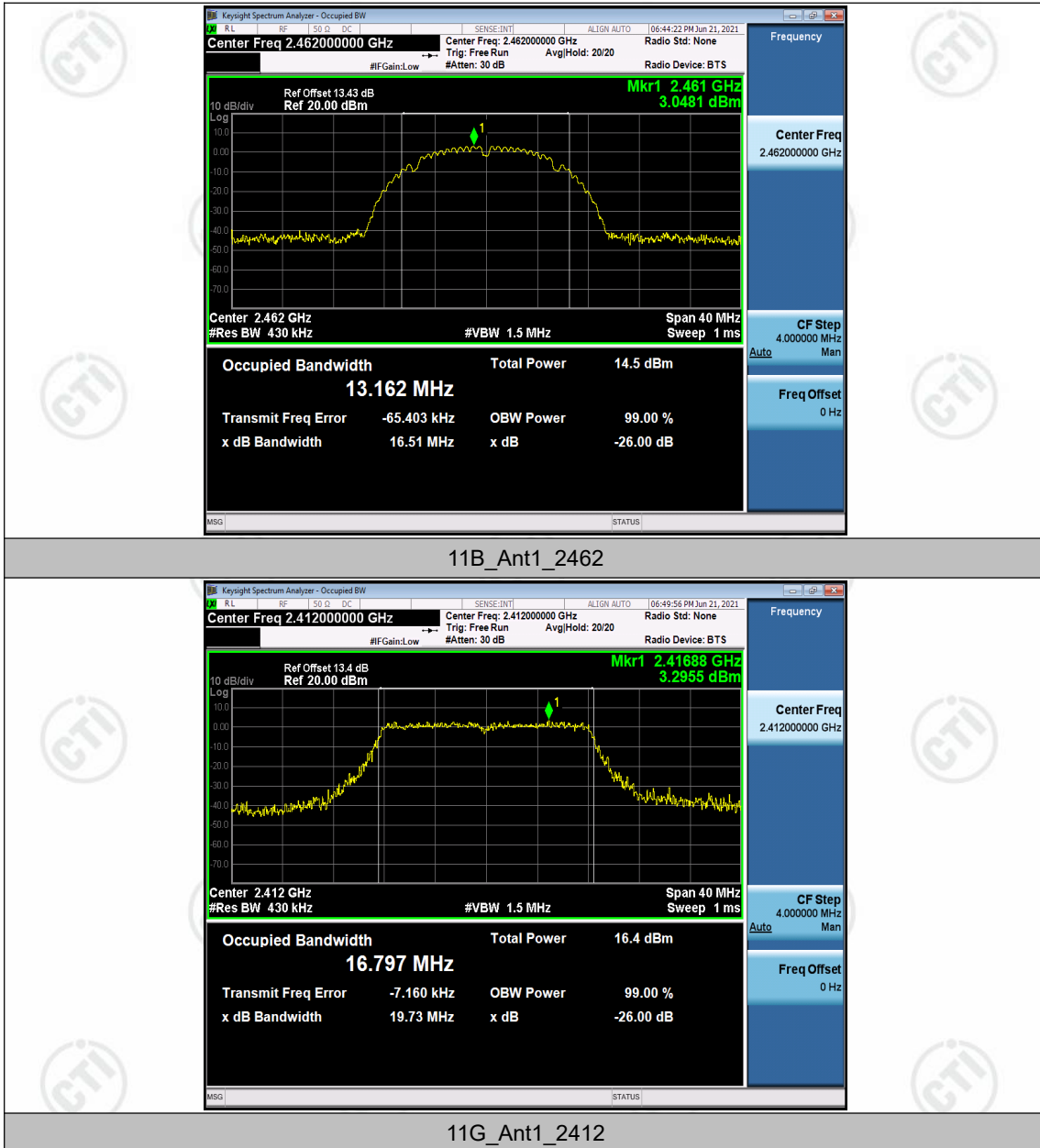
Test Graphs

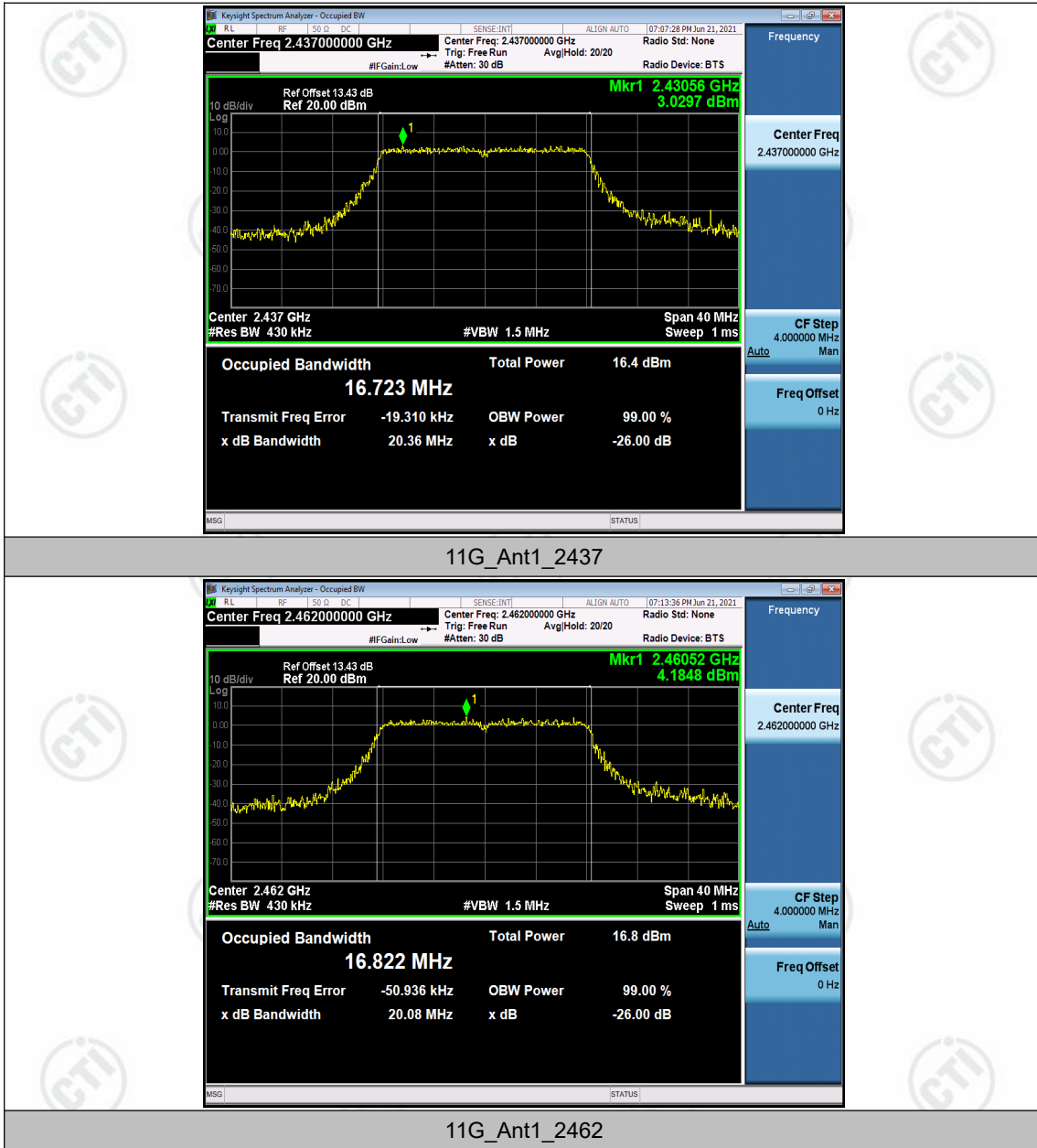


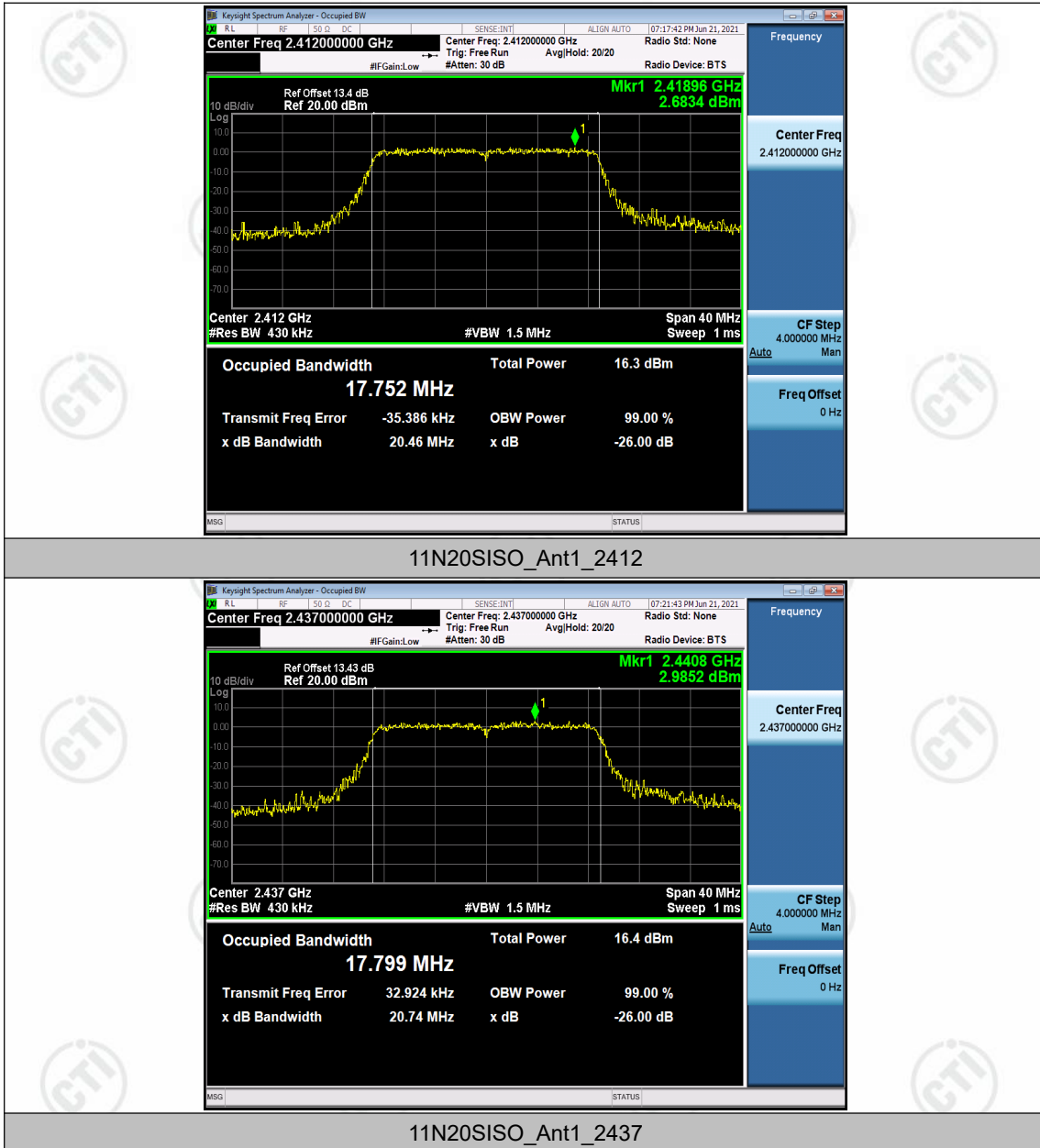
11B_Ant1_2412

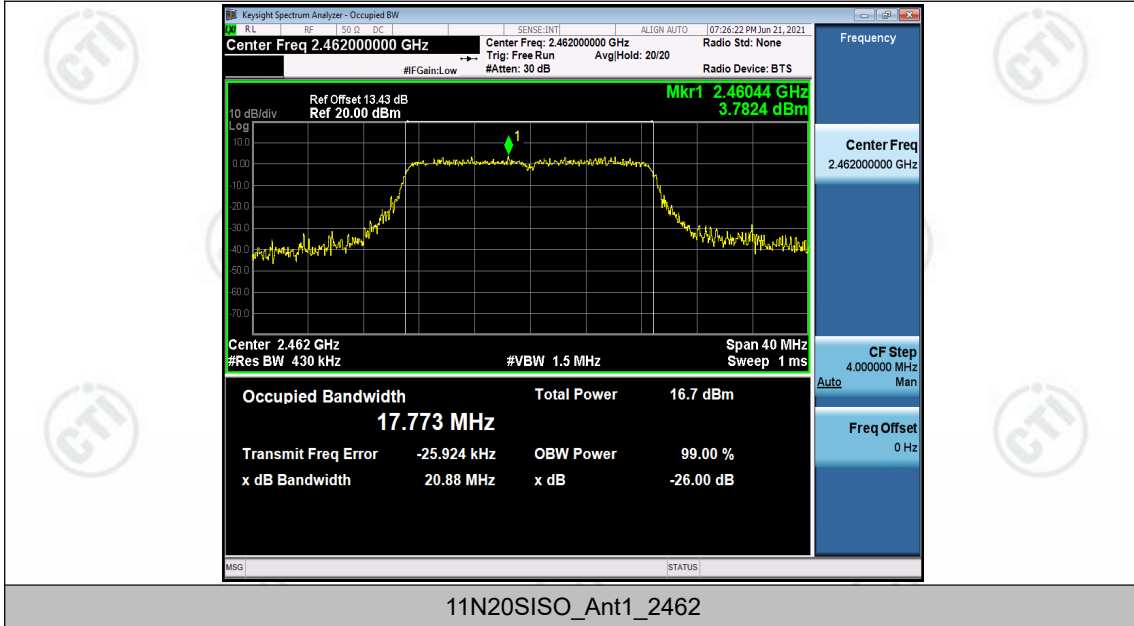


11B_Ant1_2437





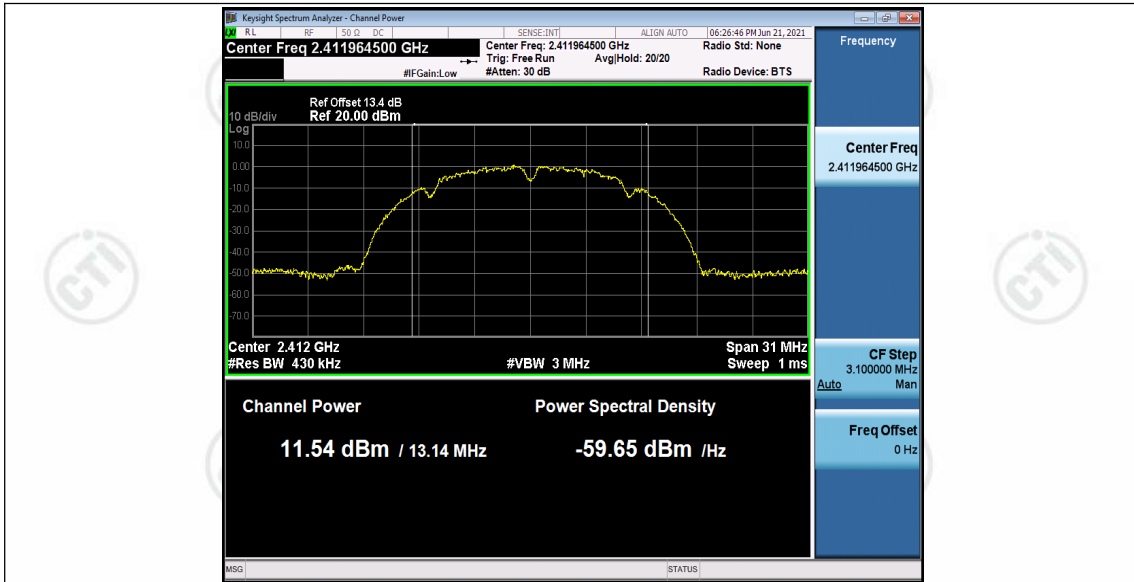




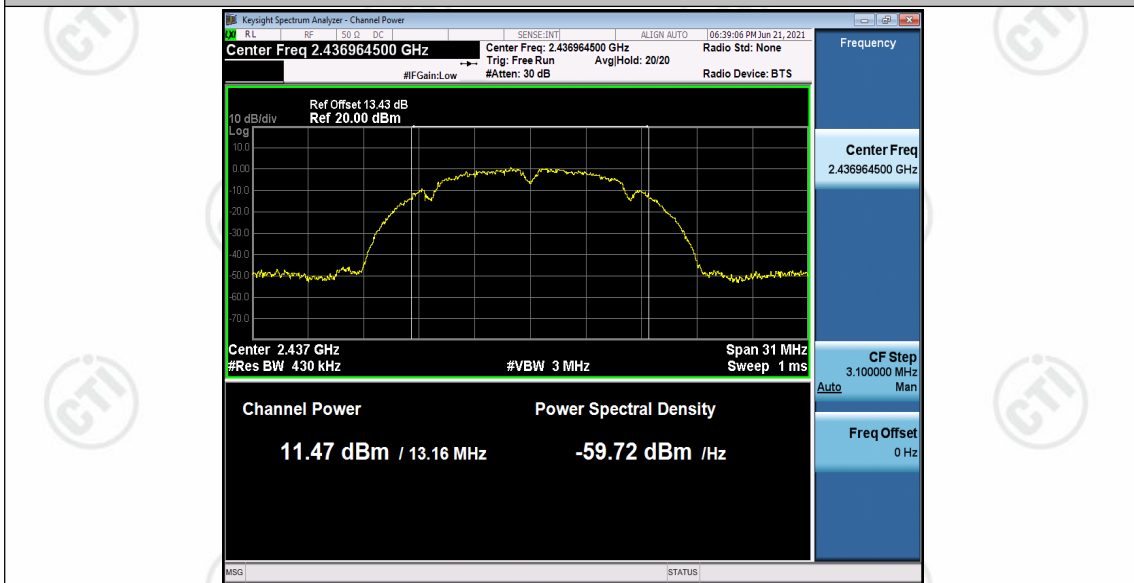
AppendixC: Maximum conducted output power**Test Result**

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| 11B | Ant1 | 2412 | 11.54 | <=30 | PASS |
| | | 2437 | 11.47 | <=30 | PASS |
| | | 2462 | 11.62 | <=30 | PASS |
| 11G | Ant1 | 2412 | 11.59 | <=30 | PASS |
| | | 2437 | 11.44 | <=30 | PASS |
| | | 2462 | 11.62 | <=30 | PASS |
| 11N20SISO | Ant1 | 2412 | 11.24 | <=30 | PASS |
| | | 2437 | 11.28 | <=30 | PASS |
| | | 2462 | 11.55 | <=30 | PASS |

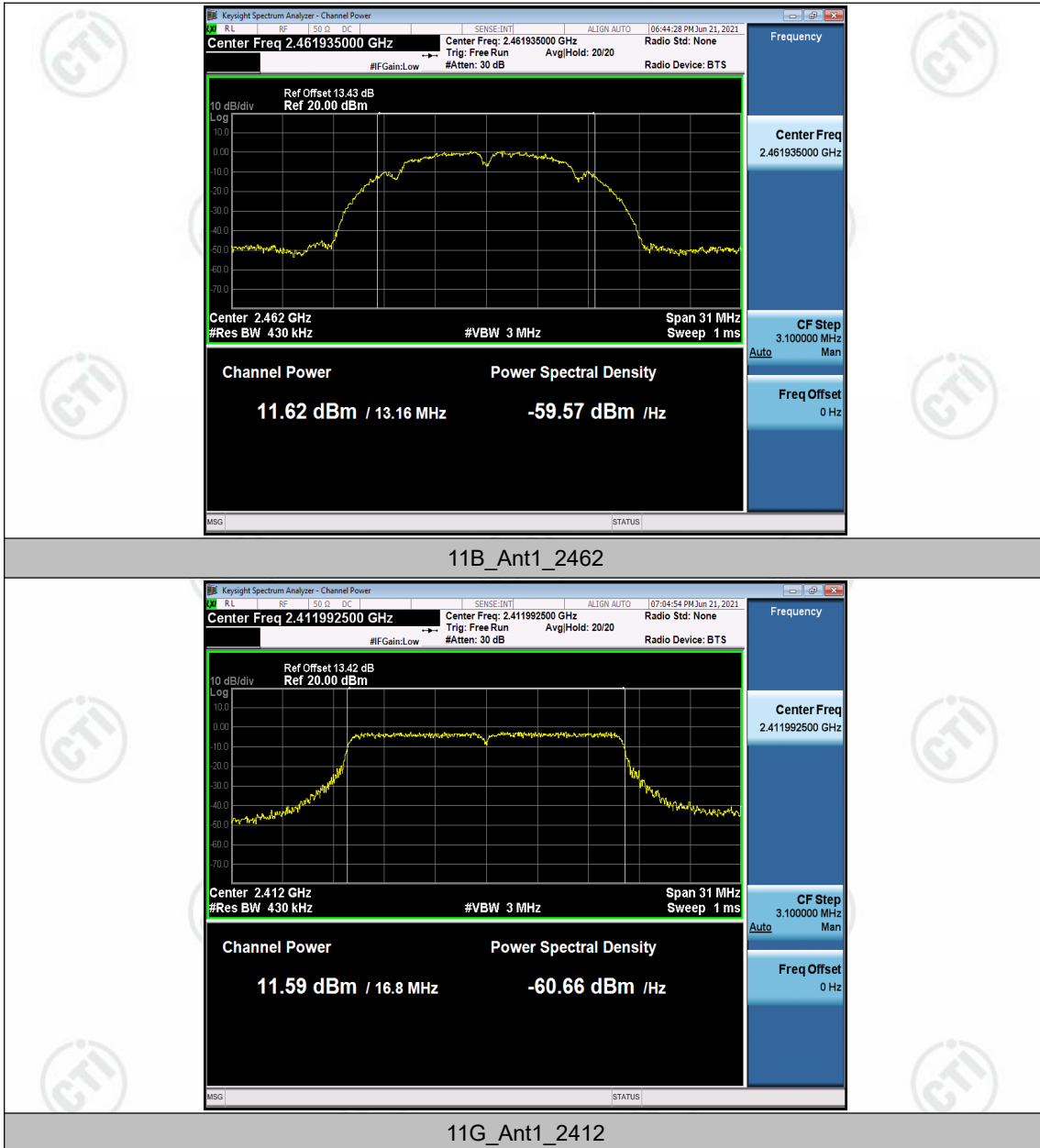
Test Graphs

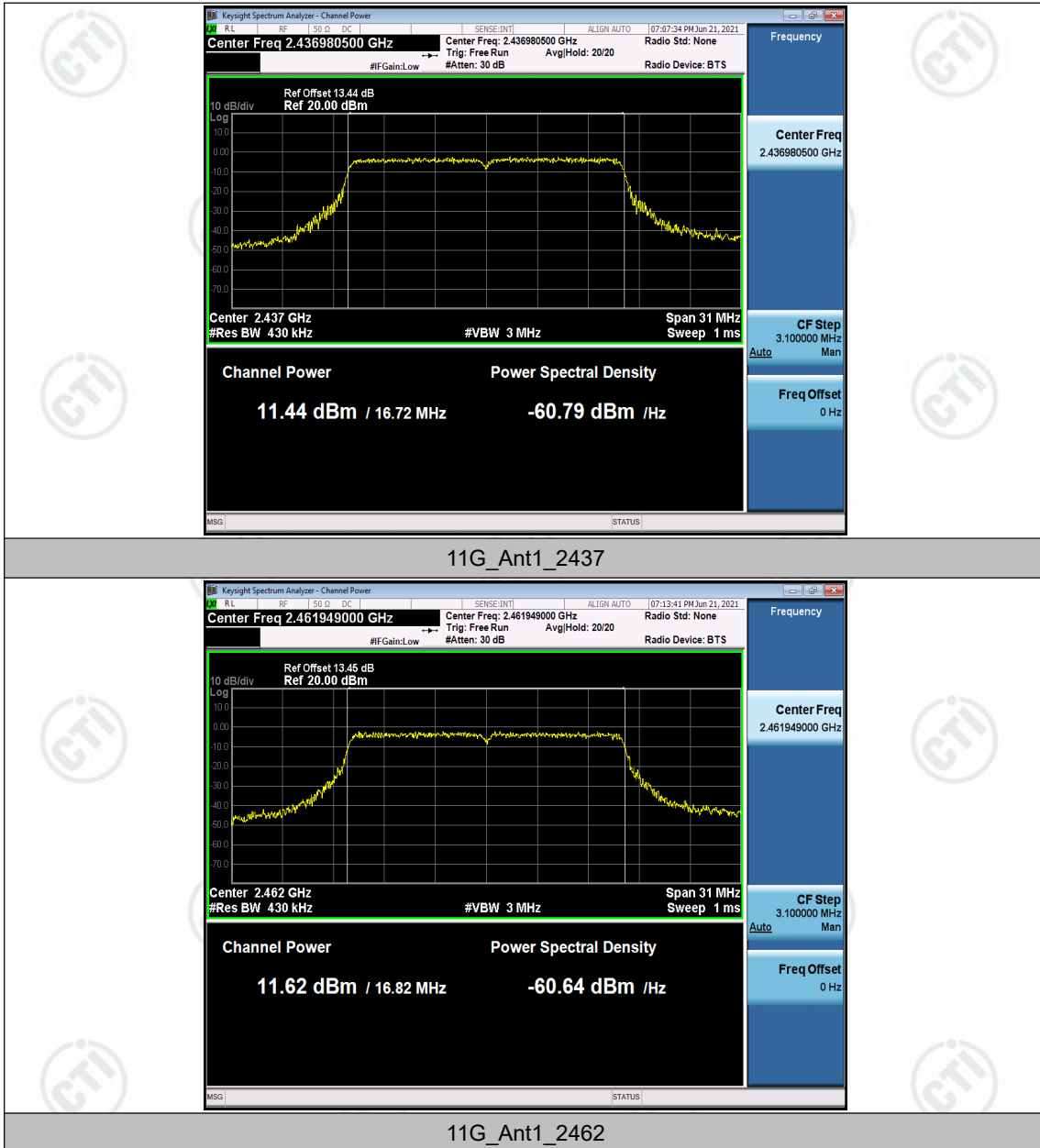


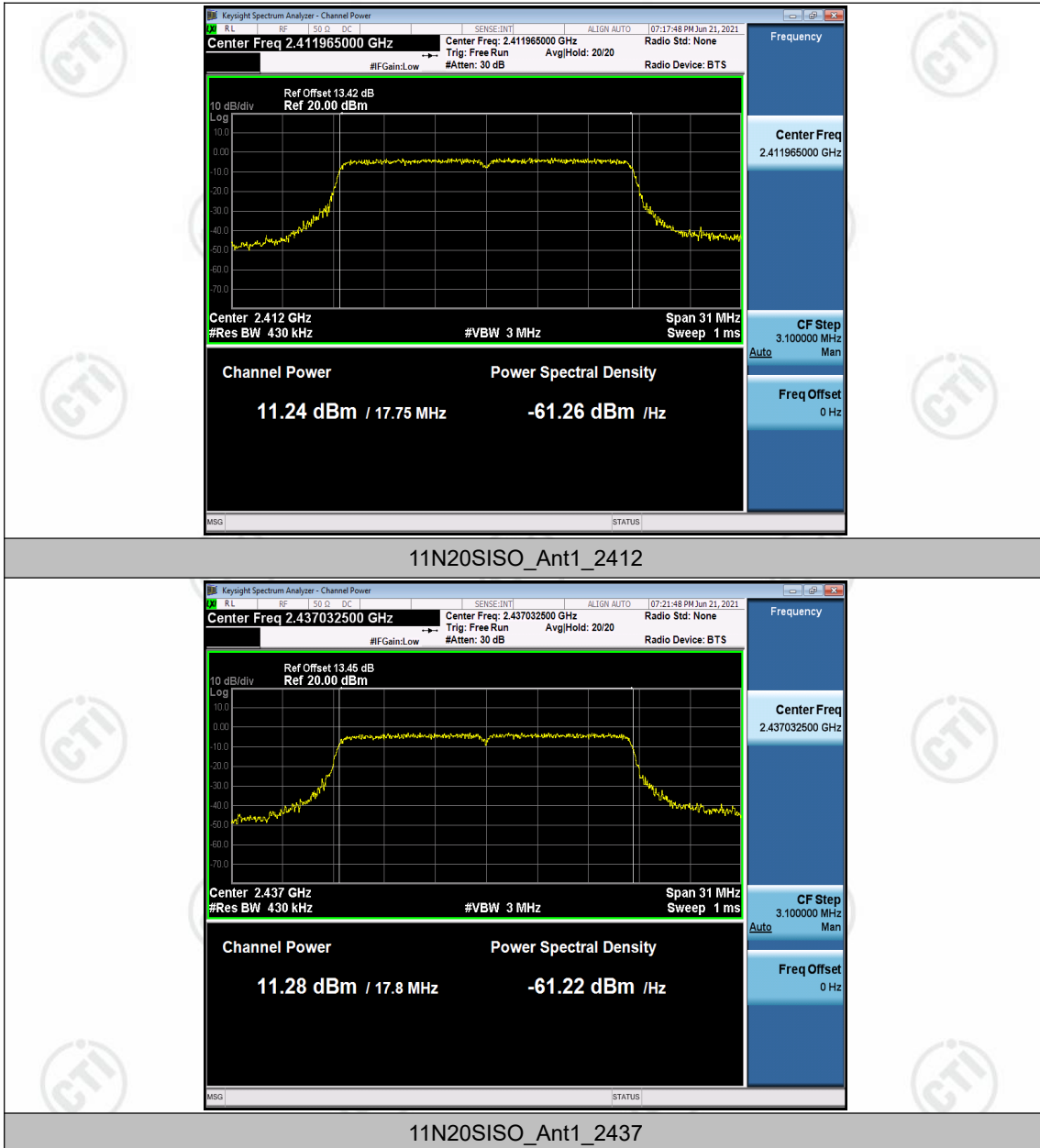
11B_Ant1_2412



11B_Ant1_2437









11N20SISO_Ant1_2462

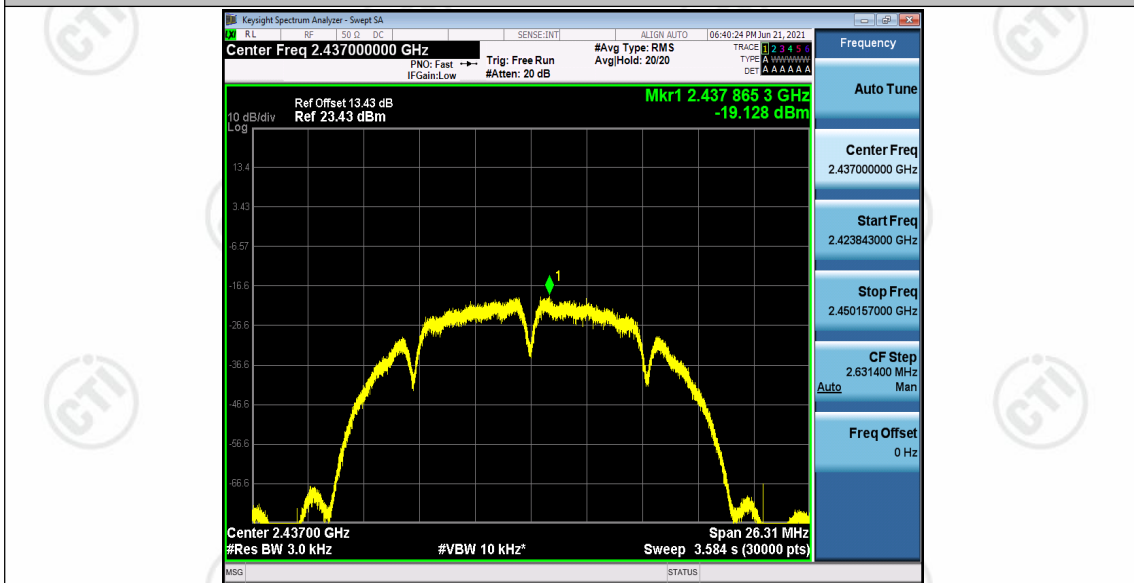
AppendixD: Maximum power spectral density**Test Result**

| TestMode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| 11B | Ant1 | 2412 | -19.2 | <=8 | PASS |
| | | 2437 | -19.13 | <=8 | PASS |
| | | 2462 | -19.03 | <=8 | PASS |
| 11G | Ant1 | 2412 | -21.43 | <=8 | PASS |
| | | 2437 | -20.98 | <=8 | PASS |
| | | 2462 | -20.74 | <=8 | PASS |
| 11N20SISO | Ant1 | 2412 | -21.55 | <=8 | PASS |
| | | 2437 | -21.12 | <=8 | PASS |
| | | 2462 | -18.54 | <=8 | PASS |

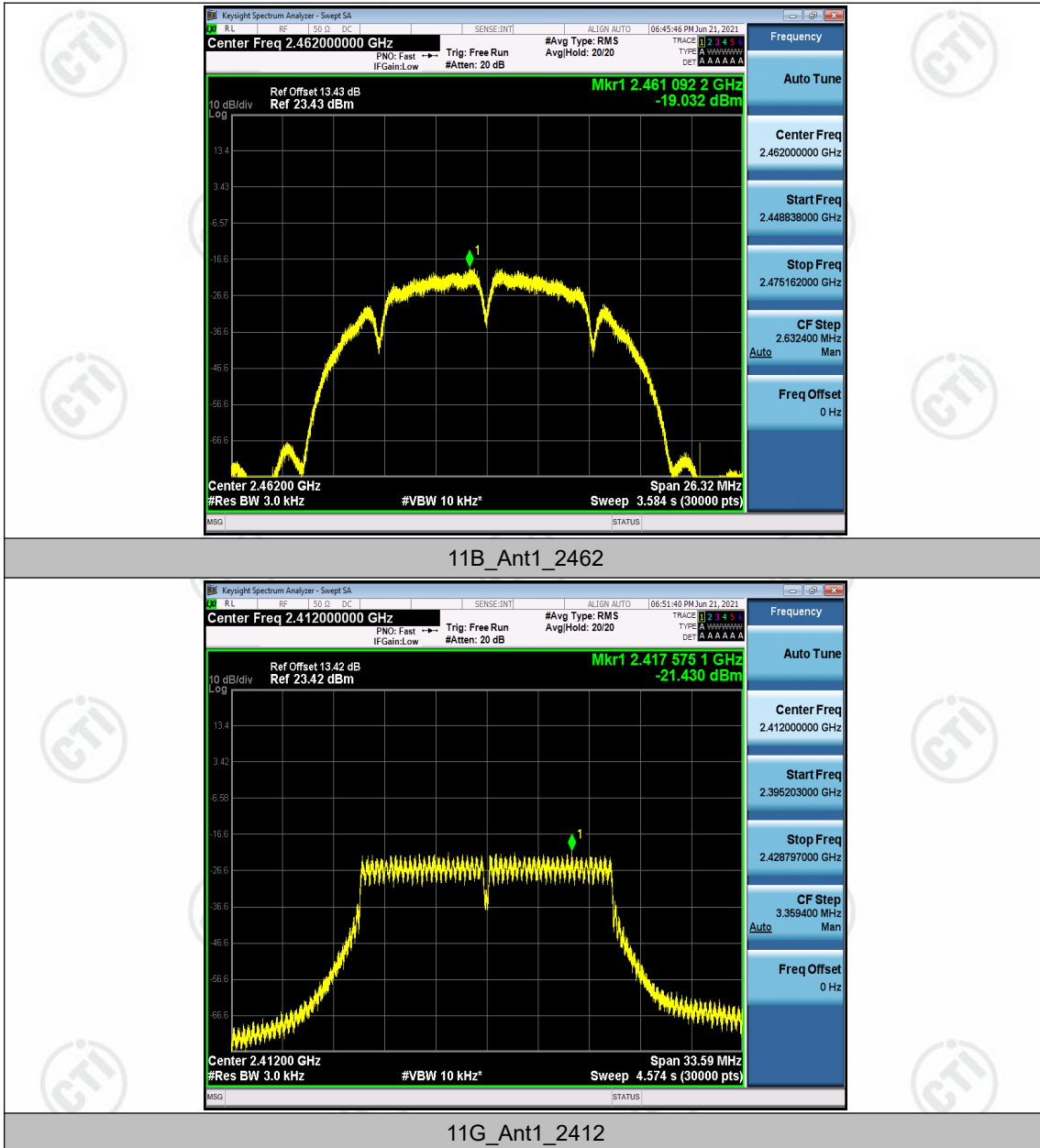
Test Graphs

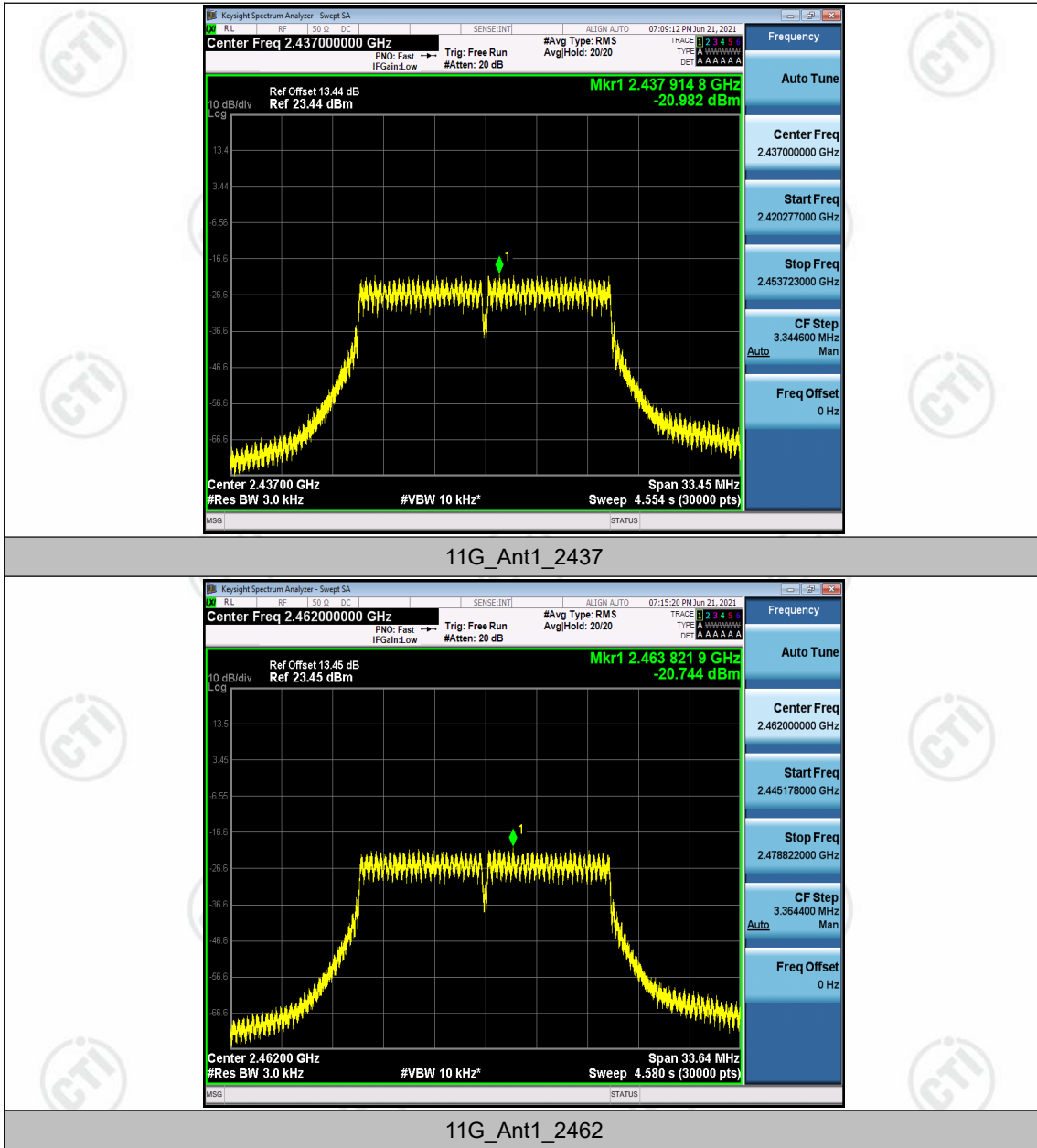


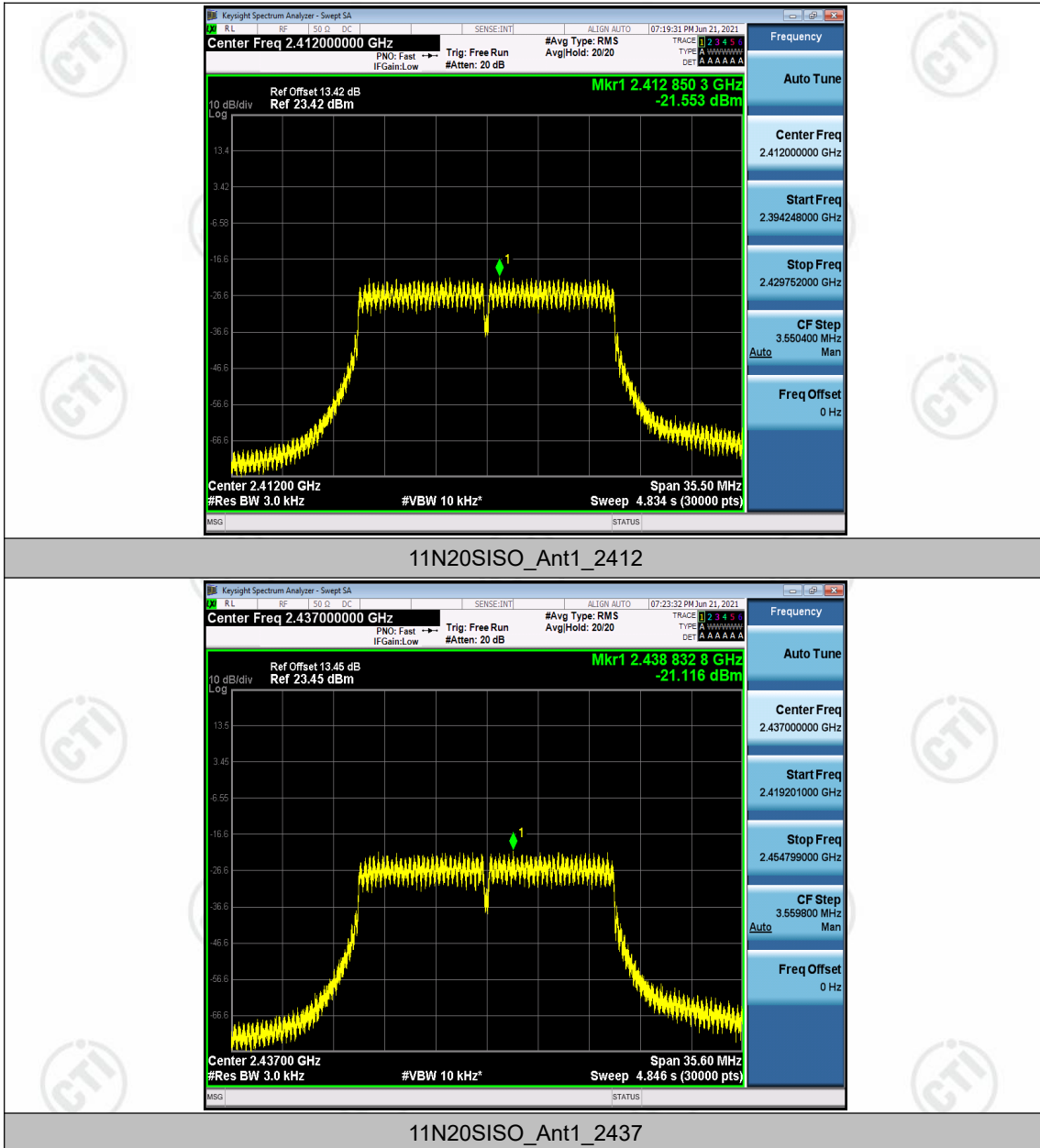
11B_Ant1_2412

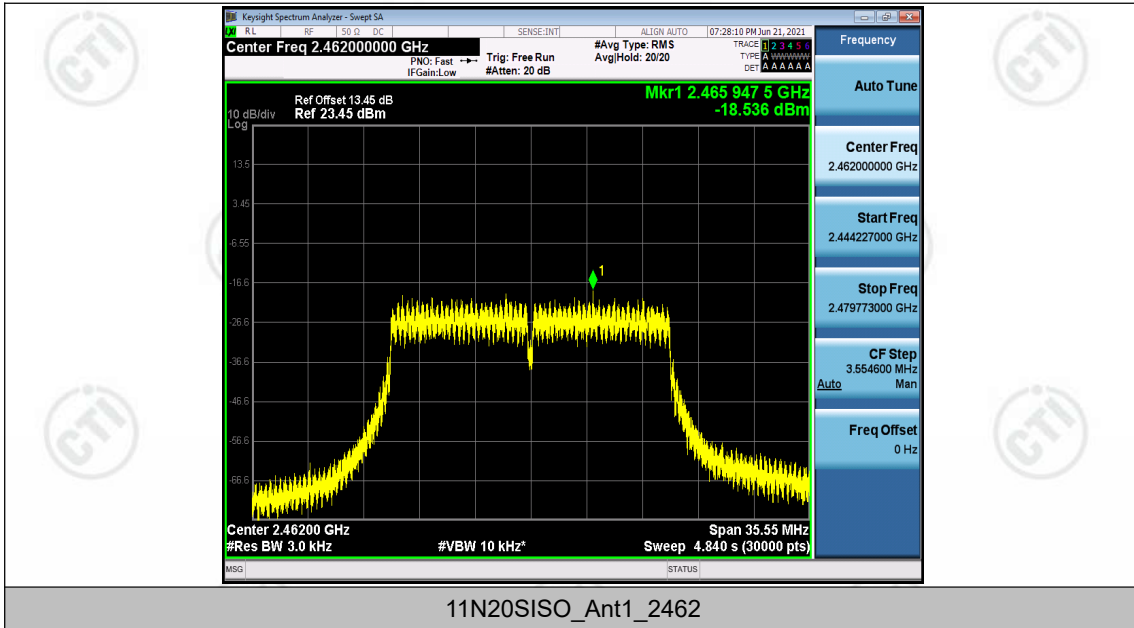


11B_Ant1_2437









Appendix E: Band edge measurements**Test Result**

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|---------------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B | Ant1 | Low | 2412 | 2.72 | -45.61 | <=-27.28 | PASS |
| | | High | 2462 | 2.18 | -46.21 | <=-27.82 | PASS |
| 11G | Ant1 | Low | 2412 | -2.56 | -39.48 | <=-32.56 | PASS |
| | | High | 2462 | -2.81 | -44.28 | <=-32.81 | PASS |
| 11N20SI SO | Ant1 | Low | 2412 | -0.08 | -40.53 | <=-30.08 | PASS |
| | | High | 2462 | -2.55 | -44.49 | <=-32.55 | PASS |