

Appendix Test Data for WLAN(2.4G) (Conducted Measurement)

Product Name: WUUK Wired Cam Pro

Trade Mark: WUUK

Test Model: Y0310

FCC ID: 2AWHY-Y0310

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 24.6℃ |
| Relative Humidity: | 56% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Anna Hu |
| Supervised by: | Hugo Chen |
| NOTE | N/A |

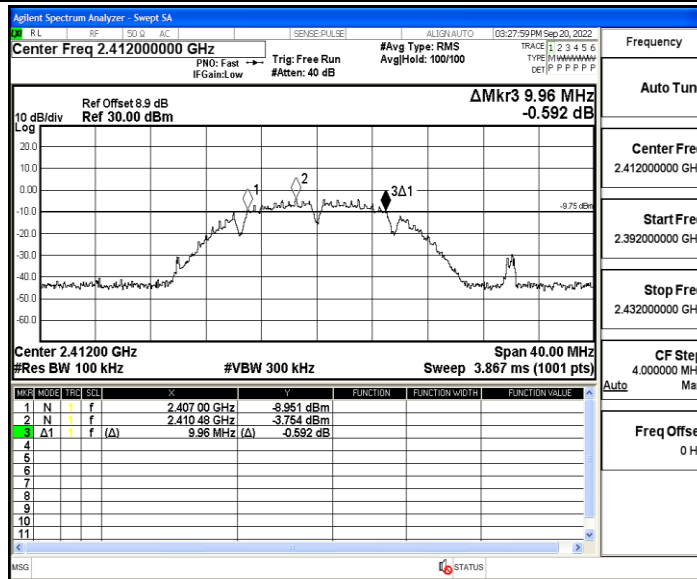
Appendix A: DTS Bandwidth

Test Result

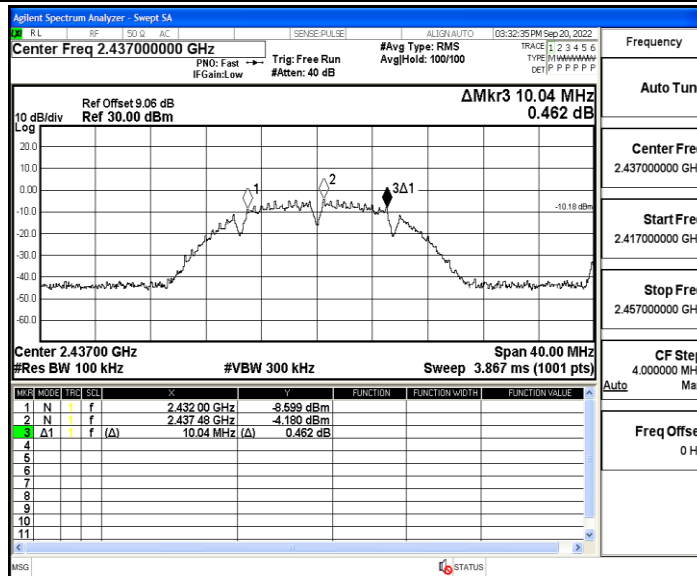
| TestMode | Antenna | Channel | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|--------------|----------|----------|------------|---------|
| 11B | Ant1 | 2412 | 9.960 | 2407.000 | 2416.960 | 0.5 | PASS |
| | | 2437 | 10.040 | 2432.000 | 2442.040 | 0.5 | PASS |
| | | 2462 | 10.080 | 2456.960 | 2467.040 | 0.5 | PASS |
| 11G | Ant1 | 2412 | 15.800 | 2404.120 | 2419.920 | 0.5 | PASS |
| | | 2437 | 15.520 | 2429.240 | 2444.760 | 0.5 | PASS |
| | | 2462 | 15.680 | 2454.240 | 2469.920 | 0.5 | PASS |
| 11N20SISO | Ant1 | 2412 | 16.920 | 2403.240 | 2420.160 | 0.5 | PASS |
| | | 2437 | 15.760 | 2429.440 | 2445.200 | 0.5 | PASS |
| | | 2462 | 17.080 | 2453.520 | 2470.600 | 0.5 | PASS |
| 11N40SISO | Ant1 | 2422 | 35.440 | 2404.160 | 2439.600 | 0.5 | PASS |
| | | 2437 | 35.200 | 2419.400 | 2454.600 | 0.5 | PASS |
| | | 2452 | 35.200 | 2434.400 | 2469.600 | 0.5 | PASS |

Test Graphs

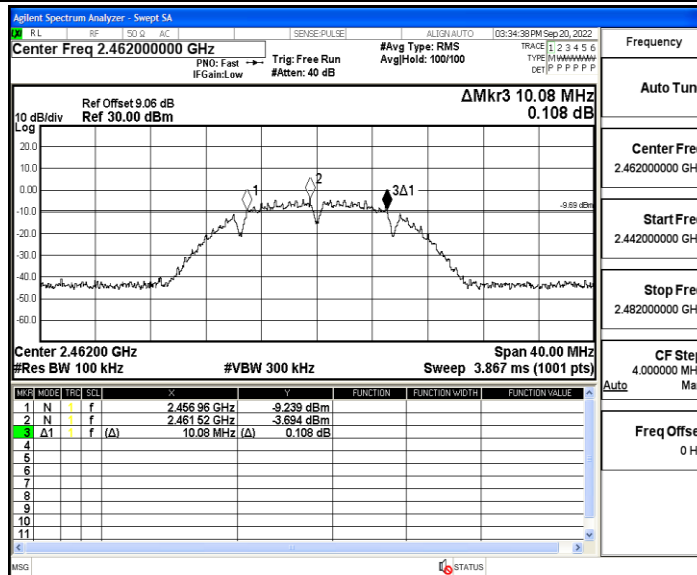
11B_Ant1_2412



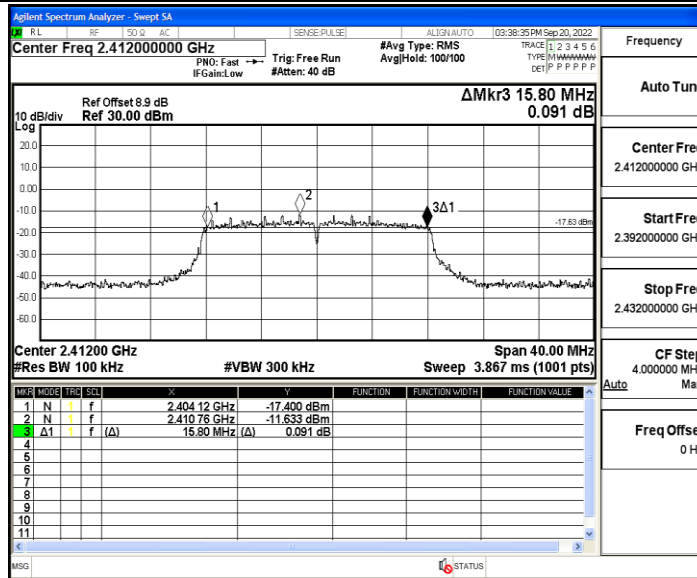
11B_Ant1_2437



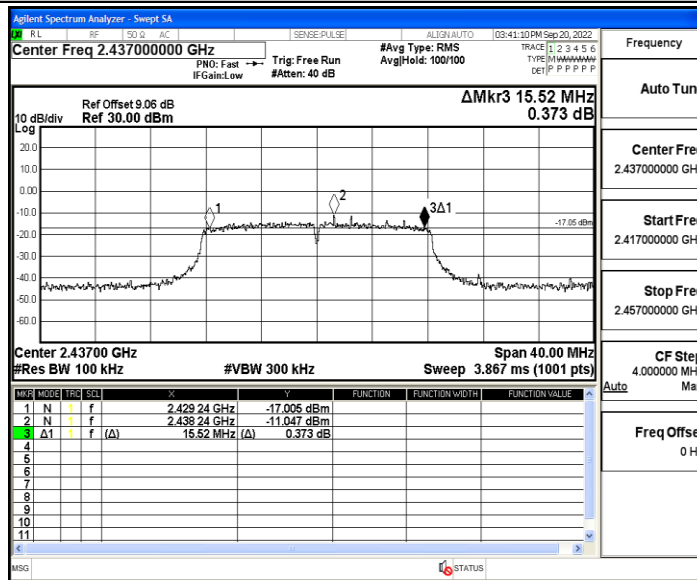
11B_Ant1_2462



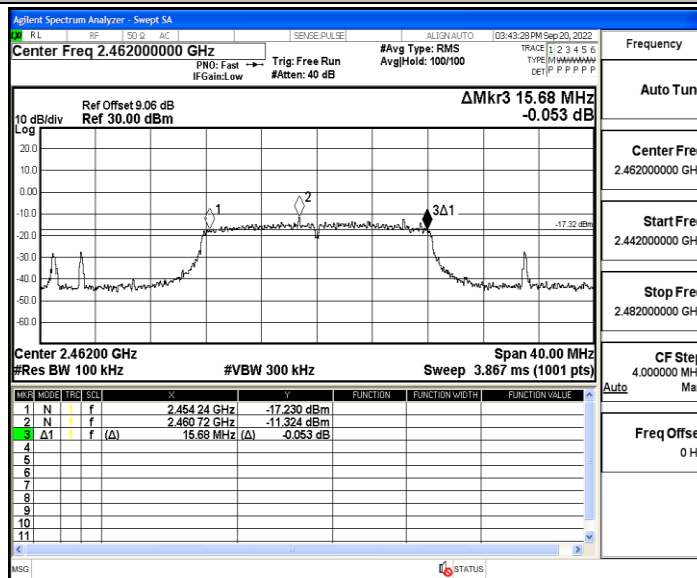
11G_Ant1_2412



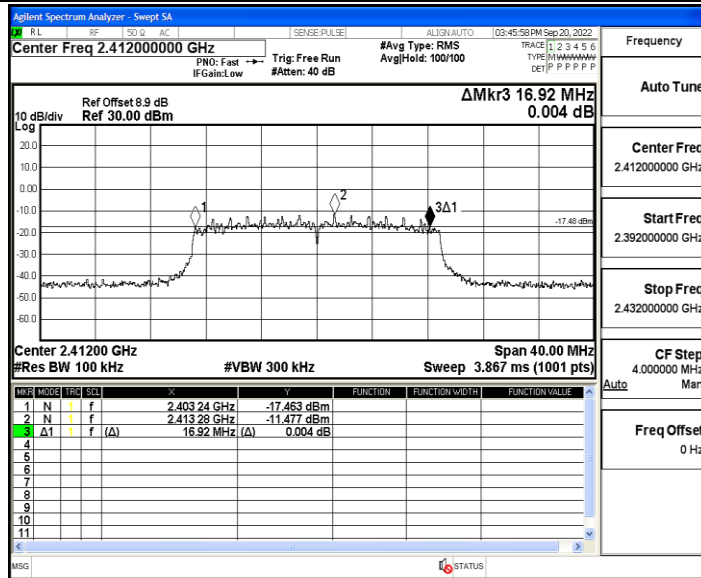
11G_Ant1_2437



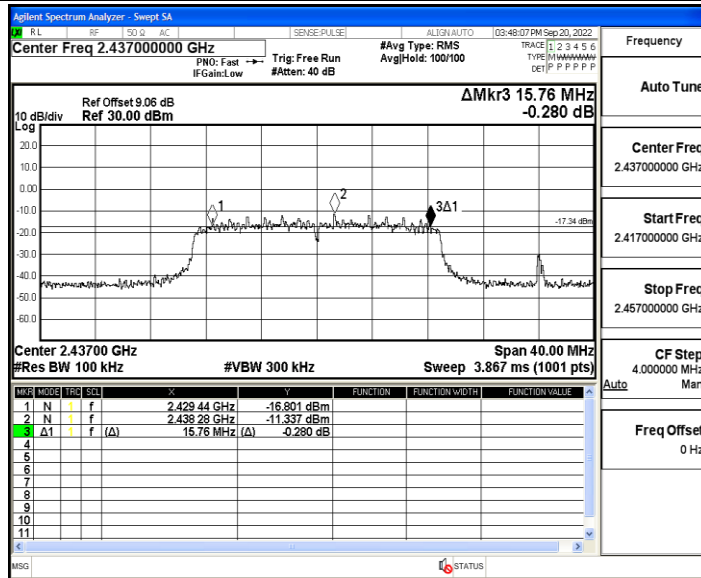
11G_Ant1_2462



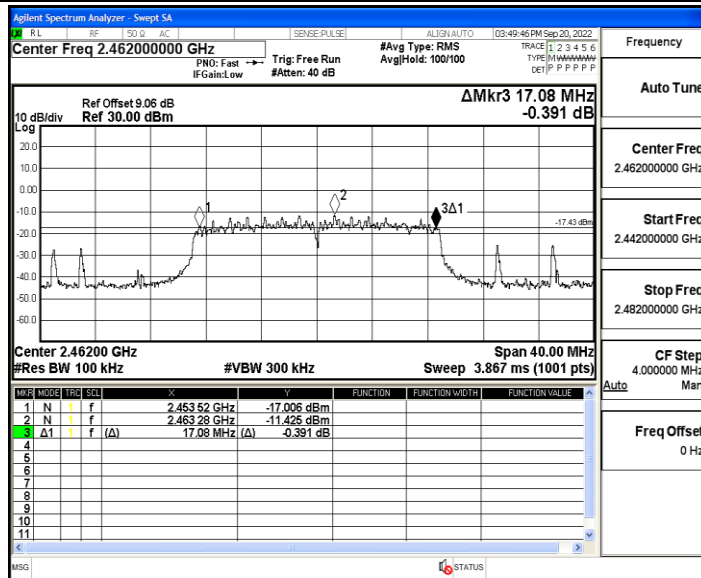
11N20SISO_Ant1_2412



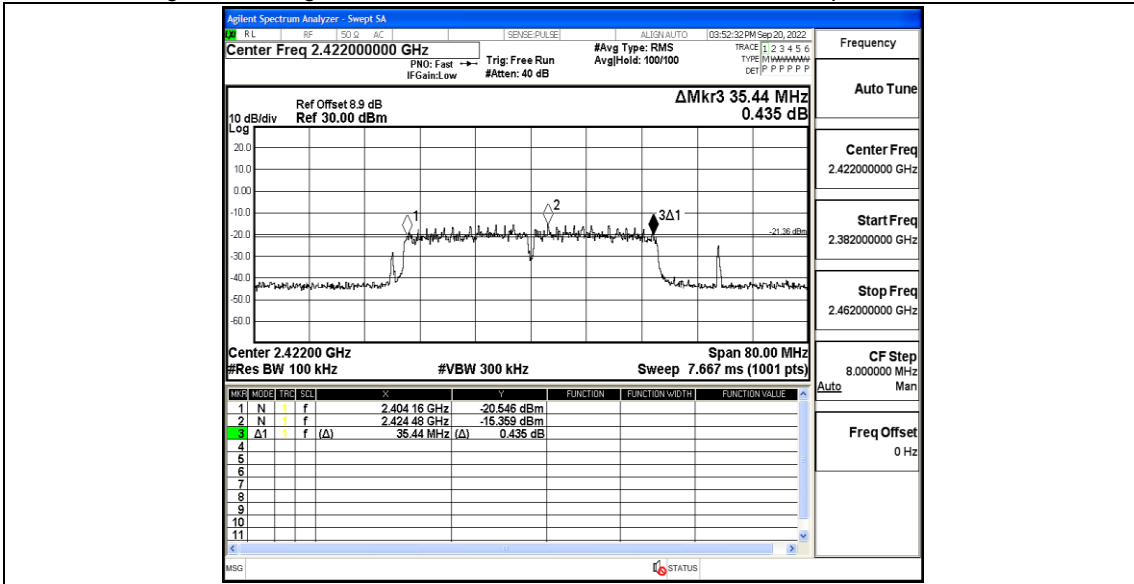
11N20SISO_Ant1_2437



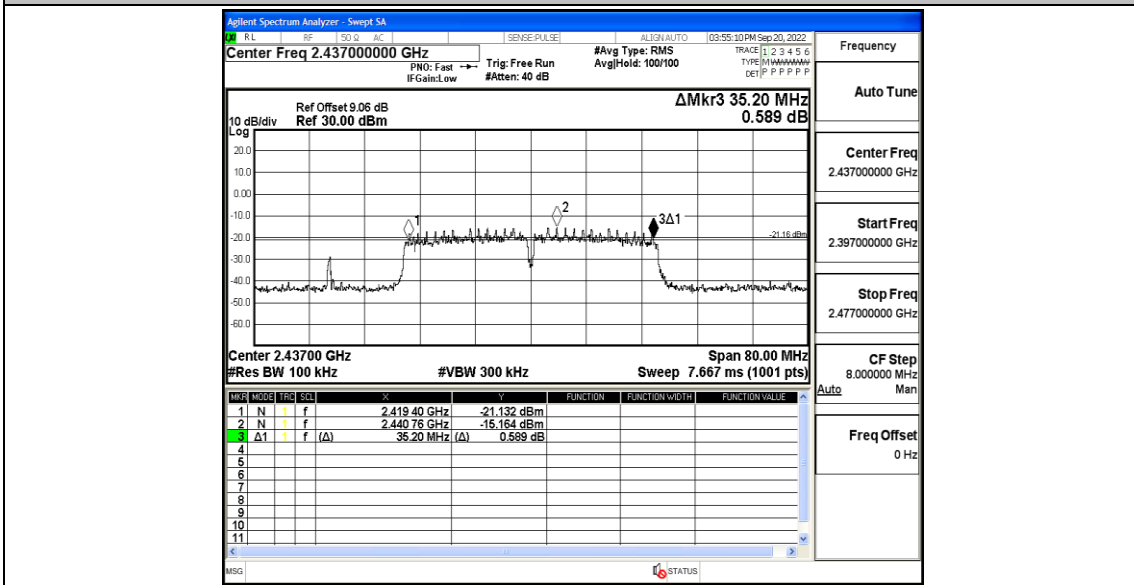
11N20SISO_Ant1_2462



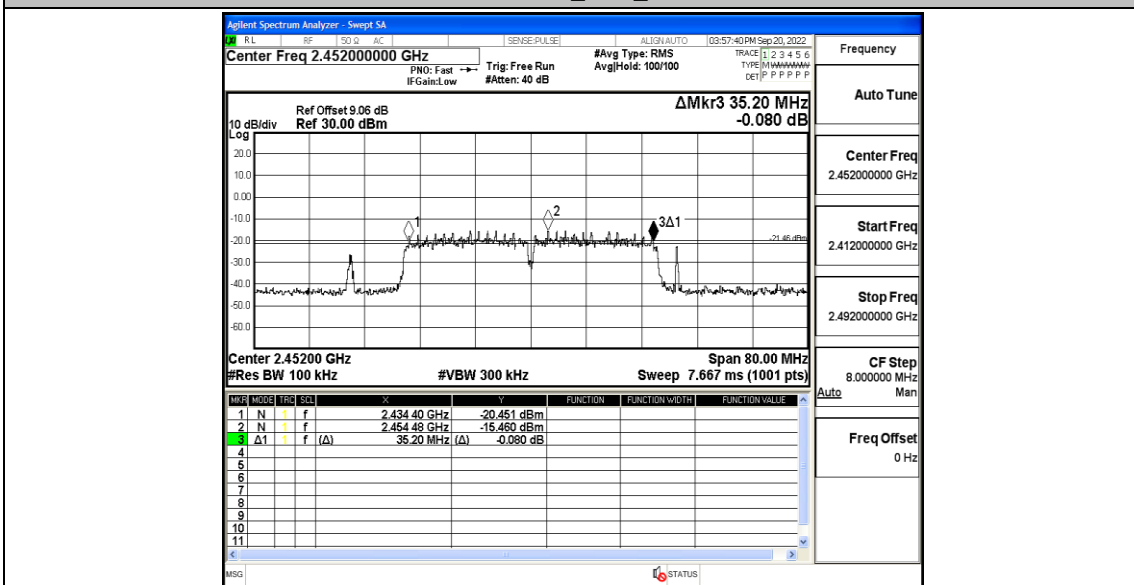
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

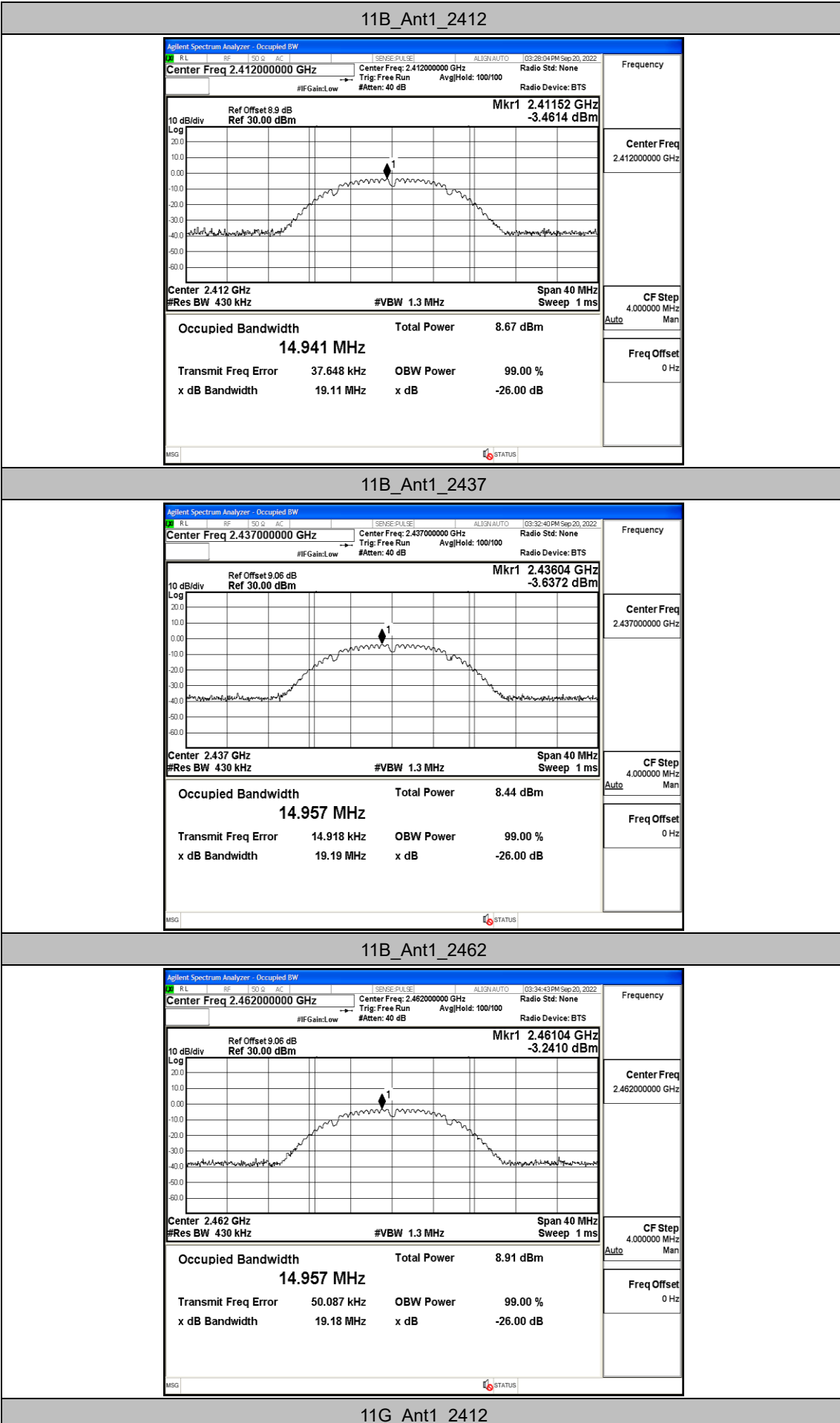


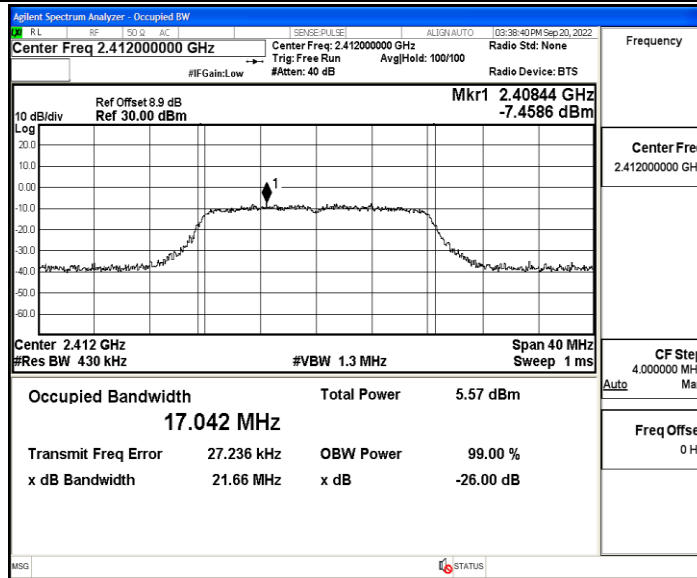
Appendix B: Occupied Channel Bandwidth

Test Result

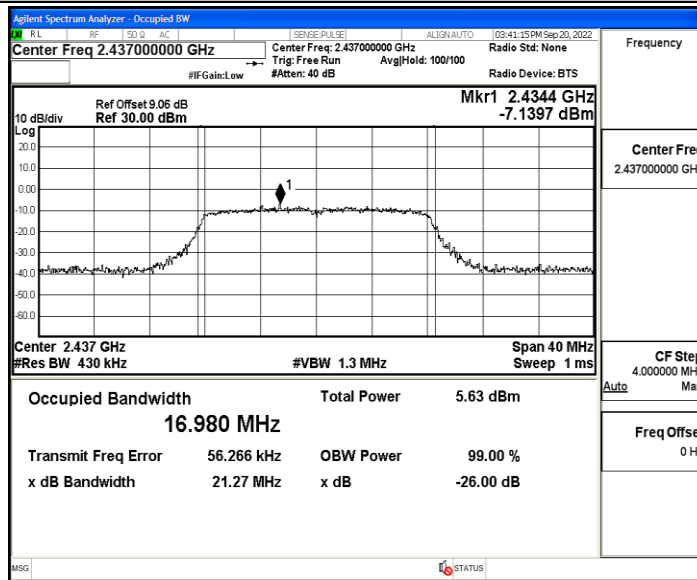
| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|-----------|-----------|------------|---------|
| 11B | Ant1 | 2412 | 14.941 | 2404.5672 | 2419.5082 | --- | --- |
| | | 2437 | 14.957 | 2429.5364 | 2444.4934 | --- | --- |
| | | 2462 | 14.957 | 2454.5716 | 2469.5286 | --- | --- |
| 11G | Ant1 | 2412 | 17.042 | 2403.5062 | 2420.5482 | --- | --- |
| | | 2437 | 16.980 | 2428.5663 | 2445.5463 | --- | --- |
| | | 2462 | 16.998 | 2453.5189 | 2470.5169 | --- | --- |
| 11N20SISO | Ant1 | 2412 | 17.851 | 2403.0962 | 2420.9472 | --- | --- |
| | | 2437 | 17.869 | 2428.1410 | 2446.0100 | --- | --- |
| | | 2462 | 17.814 | 2453.1559 | 2470.9699 | --- | --- |
| 11N40SISO | Ant1 | 2422 | 36.671 | 2403.7557 | 2440.4267 | --- | --- |
| | | 2437 | 36.852 | 2418.7733 | 2455.6253 | --- | --- |
| | | 2452 | 41.261 | 2433.5855 | 2474.8465 | --- | --- |

Test Graphs

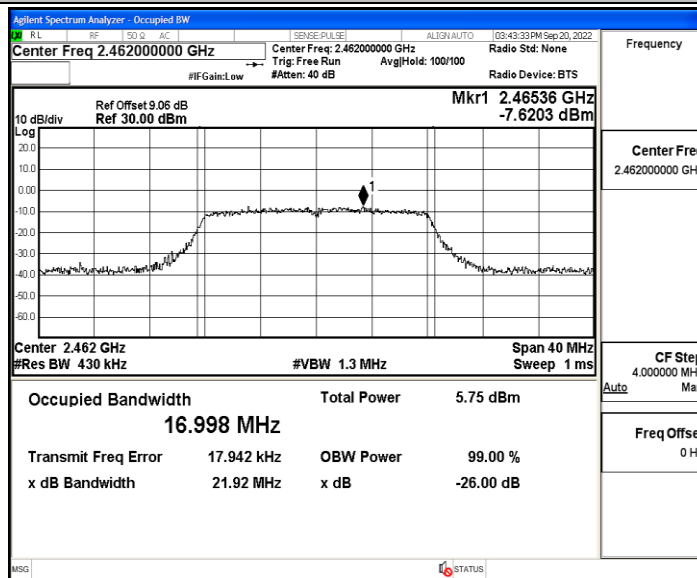




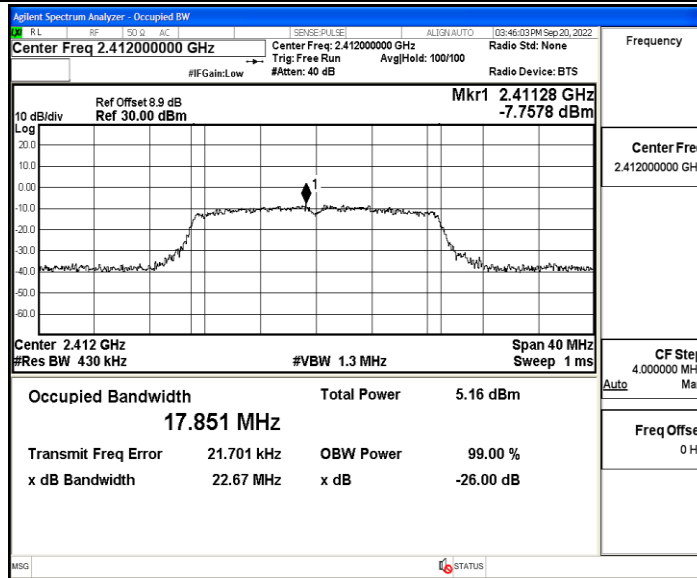
11G_Ant1_2437



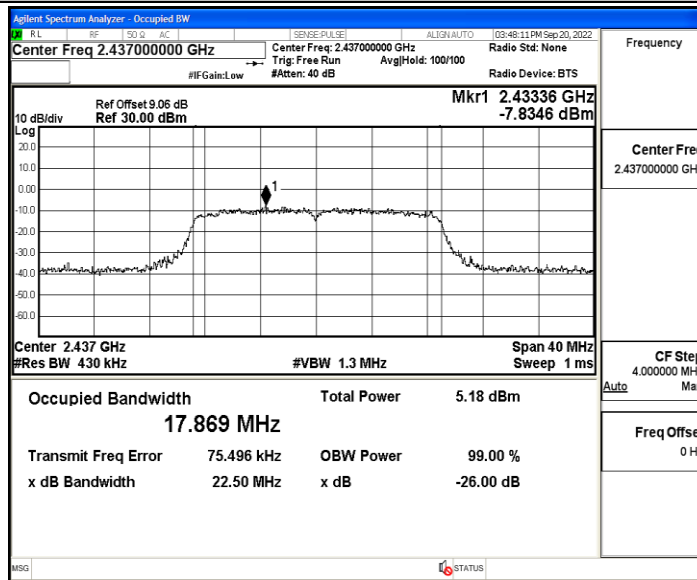
11G_Ant1_2462



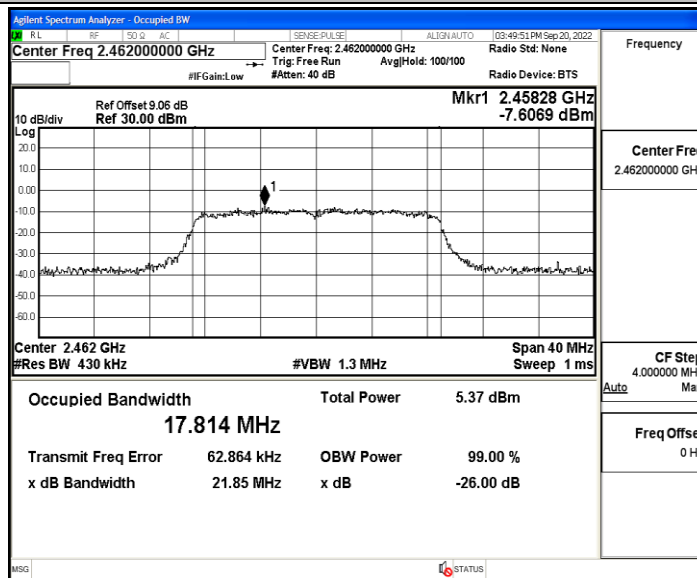
11N20SISO_Ant1_2412



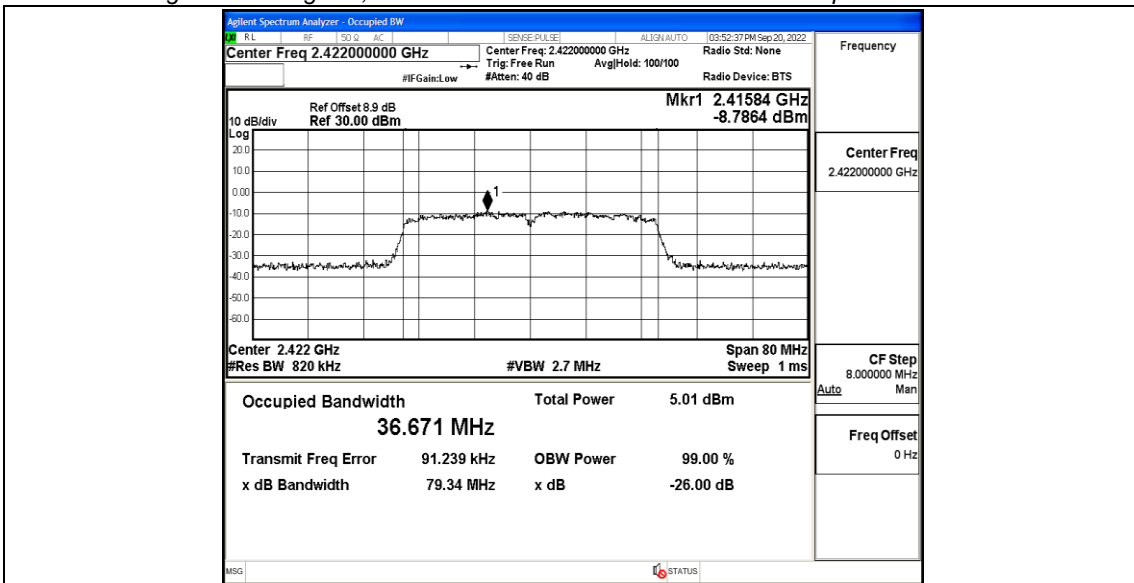
11N20SISO_Ant1_2437



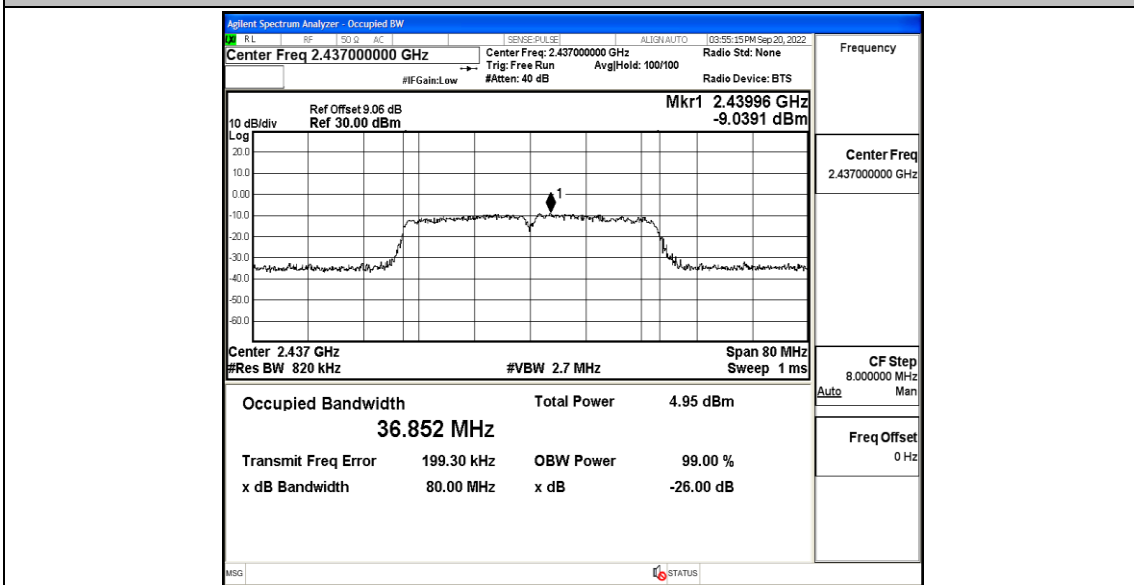
11N20SISO_Ant1_2462



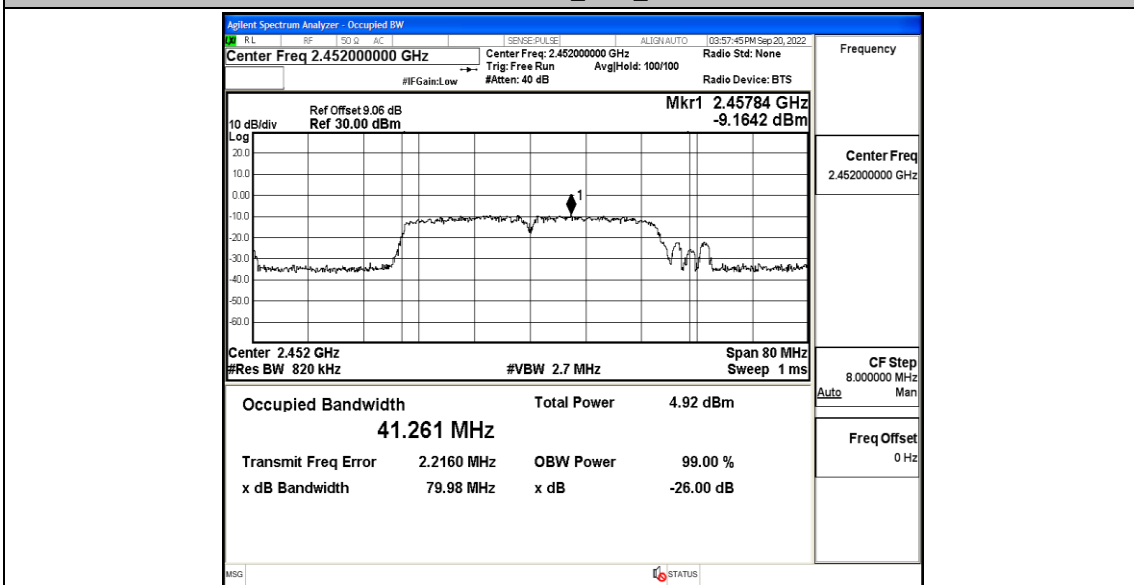
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| 11B | Ant1 | 2412 | 8.23 | ≤30.00 | PASS |
| | | 2437 | 8.02 | ≤30.00 | PASS |
| | | 2462 | 8.50 | ≤30.00 | PASS |
| 11G | Ant1 | 2412 | 6.73 | ≤30.00 | PASS |
| | | 2437 | 6.76 | ≤30.00 | PASS |
| | | 2462 | 6.76 | ≤30.00 | PASS |
| 11N20SISO | Ant1 | 2412 | 5.99 | ≤30.00 | PASS |
| | | 2437 | 5.67 | ≤30.00 | PASS |
| | | 2462 | 6.28 | ≤30.00 | PASS |
| 11N40SISO | Ant1 | 2422 | 5.05 | ≤30.00 | PASS |
| | | 2437 | 4.80 | ≤30.00 | PASS |
| | | 2452 | 4.95 | ≤30.00 | PASS |

Note: The Duty Cycle Factor is compensated in the test result.

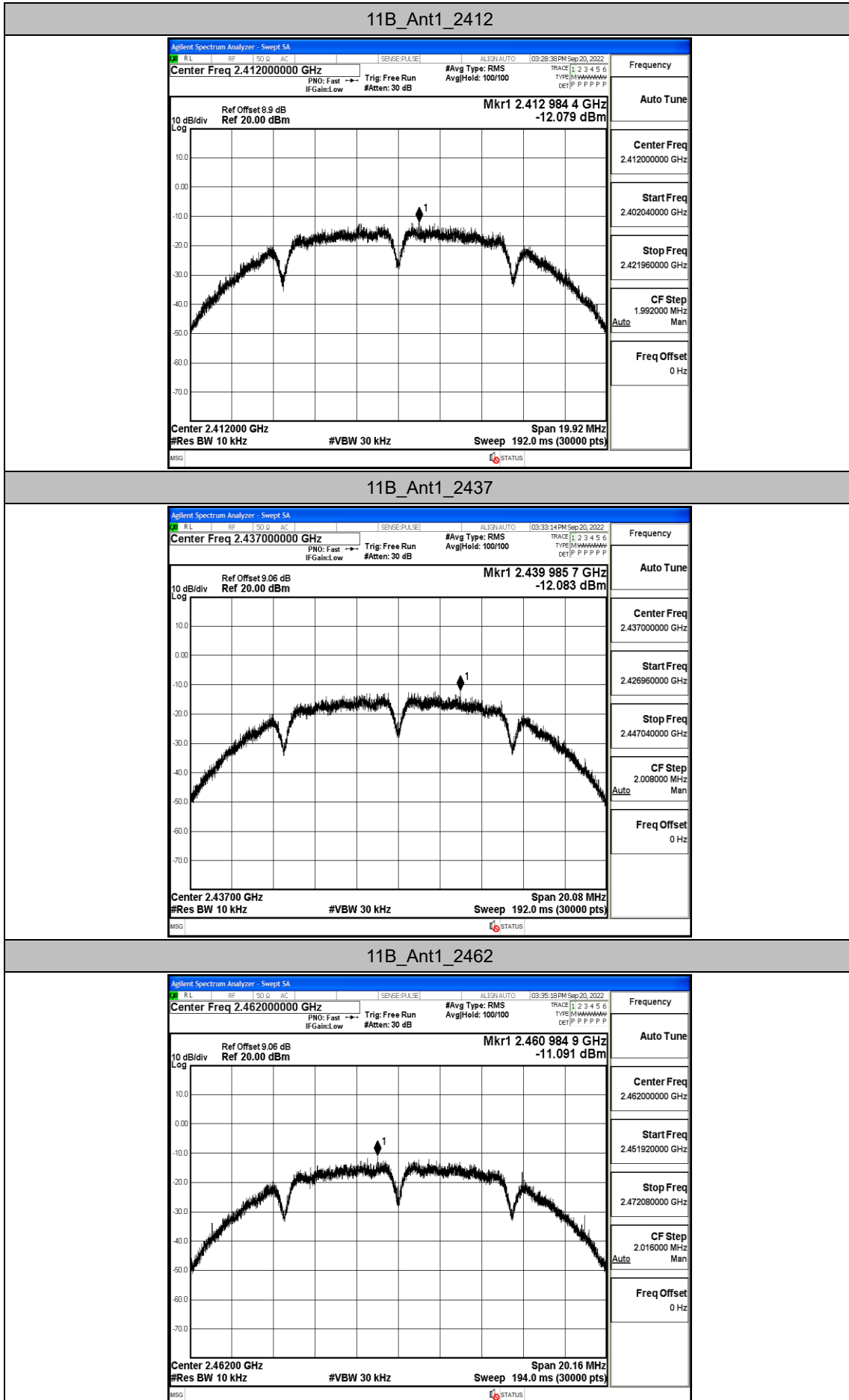
Appendix D: Maximum power spectral density

Test Result

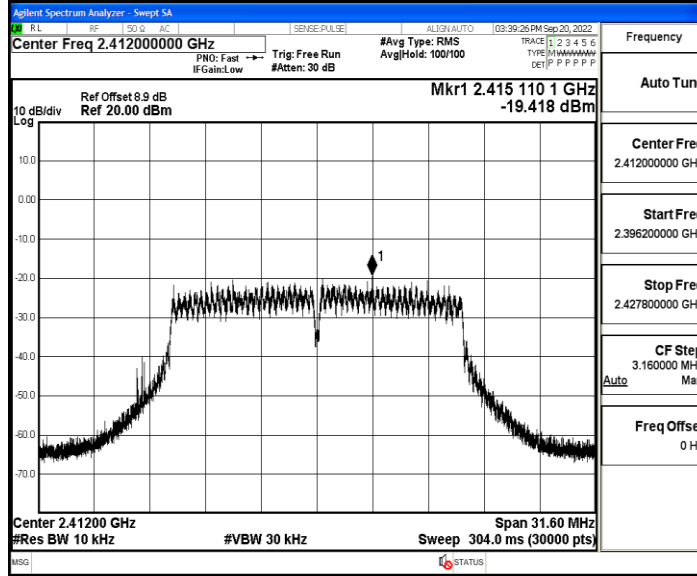
| TestMode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| 11B | Ant1 | 2412 | -12.08 | ≤8.00 | PASS |
| | | 2437 | -12.08 | ≤8.00 | PASS |
| | | 2462 | -11.09 | ≤8.00 | PASS |
| 11G | Ant1 | 2412 | -19.42 | ≤8.00 | PASS |
| | | 2437 | -19.72 | ≤8.00 | PASS |
| | | 2462 | -19.52 | ≤8.00 | PASS |
| 11N20SISO | Ant1 | 2412 | -20.75 | ≤8.00 | PASS |
| | | 2437 | -21.04 | ≤8.00 | PASS |
| | | 2462 | -21.08 | ≤8.00 | PASS |
| 11N40SISO | Ant1 | 2422 | -25.35 | ≤8.00 | PASS |
| | | 2437 | -24.92 | ≤8.00 | PASS |
| | | 2452 | -24.26 | ≤8.00 | PASS |

Note: The Duty Cycle Factor is compensated in the test result.

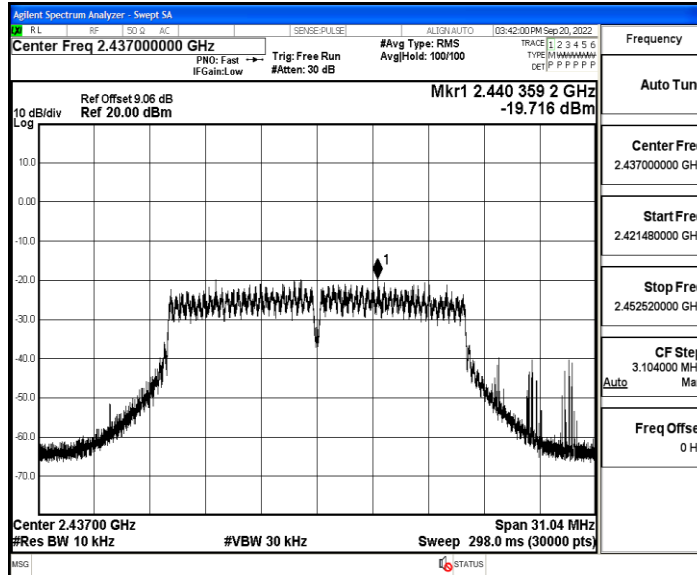
Test Graphs



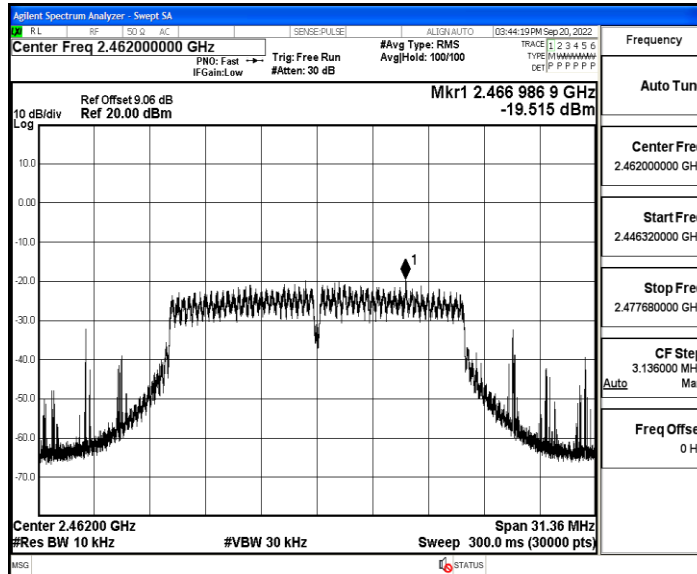
11G_Ant1_2412



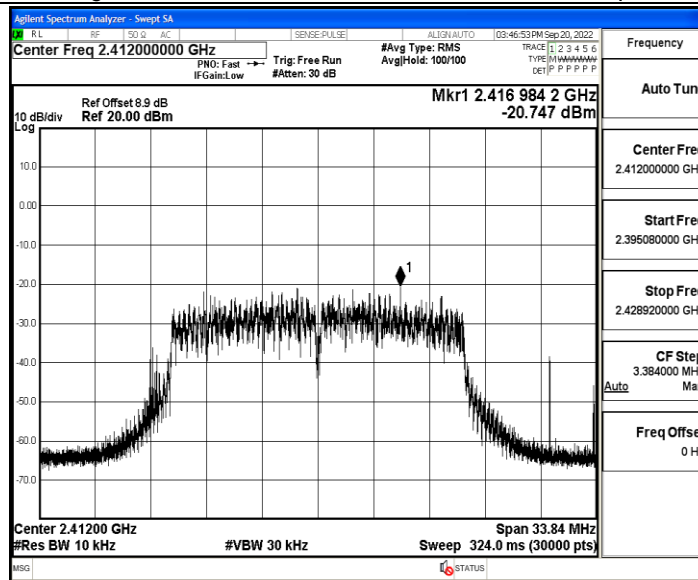
11G_Ant1_2437



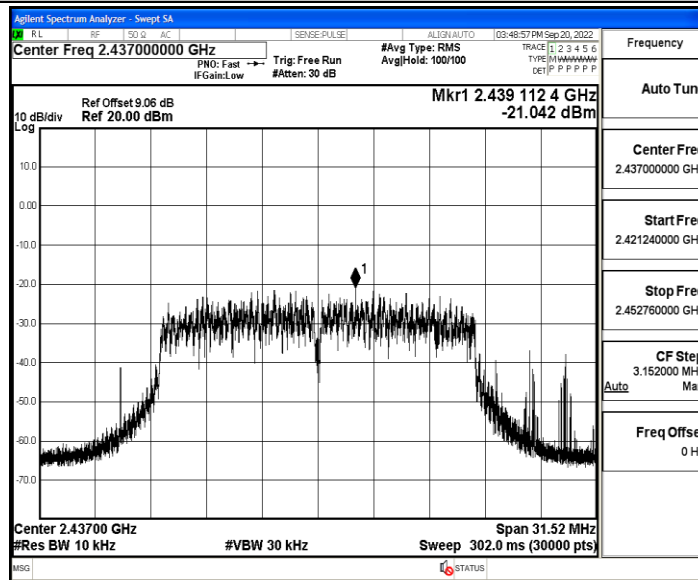
11G_Ant1_2462



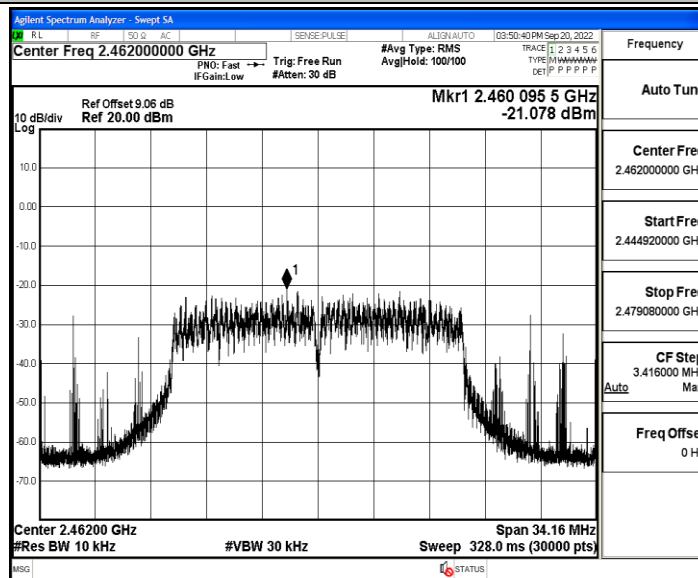
11N20SISO_Ant1_2412



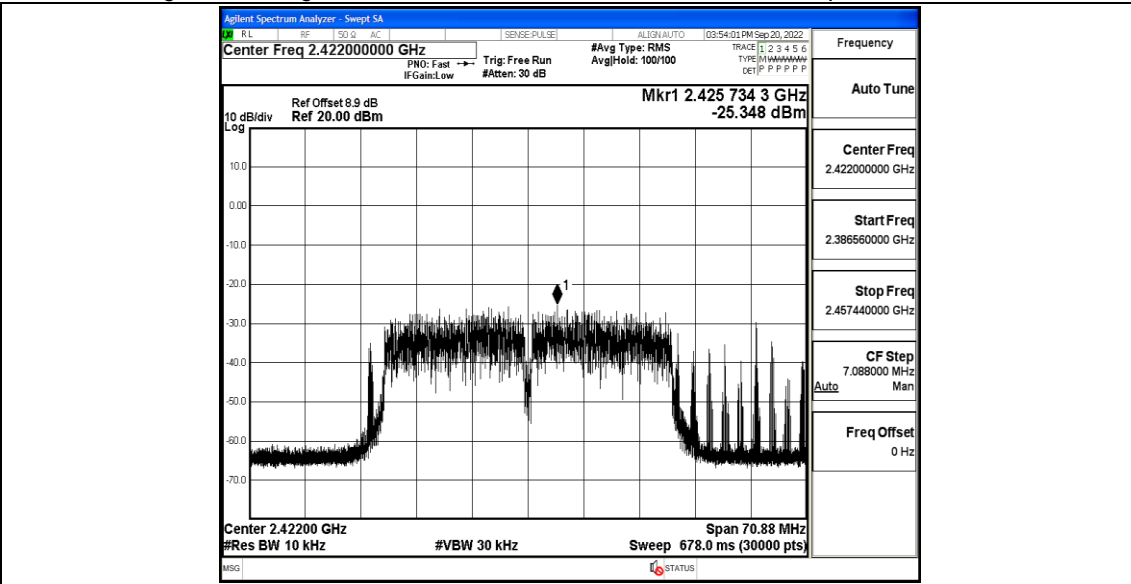
11N20SISO_Ant1_2437



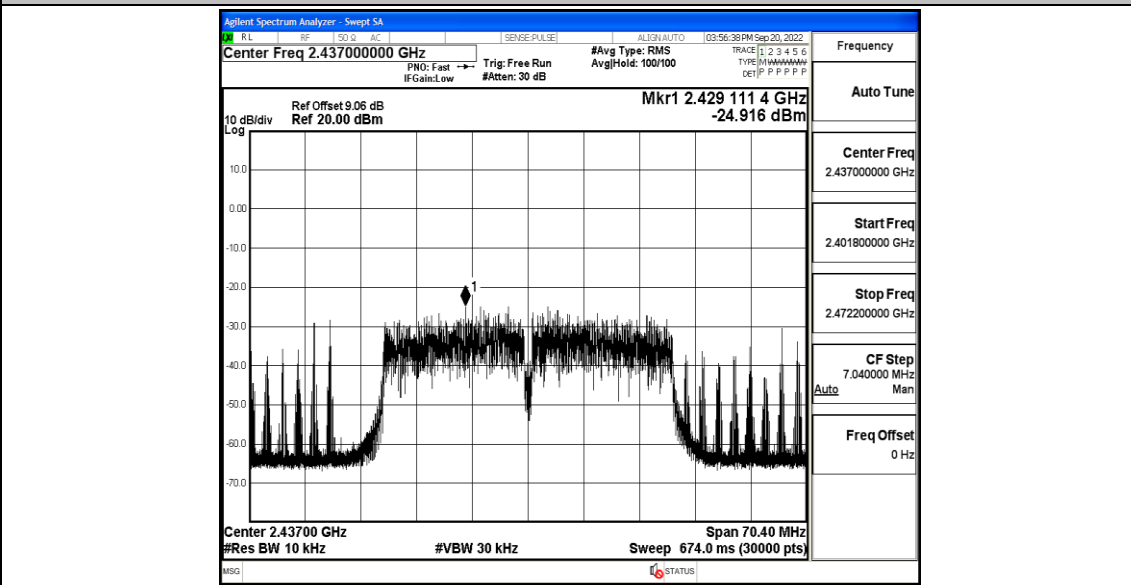
11N20SISO_Ant1_2462



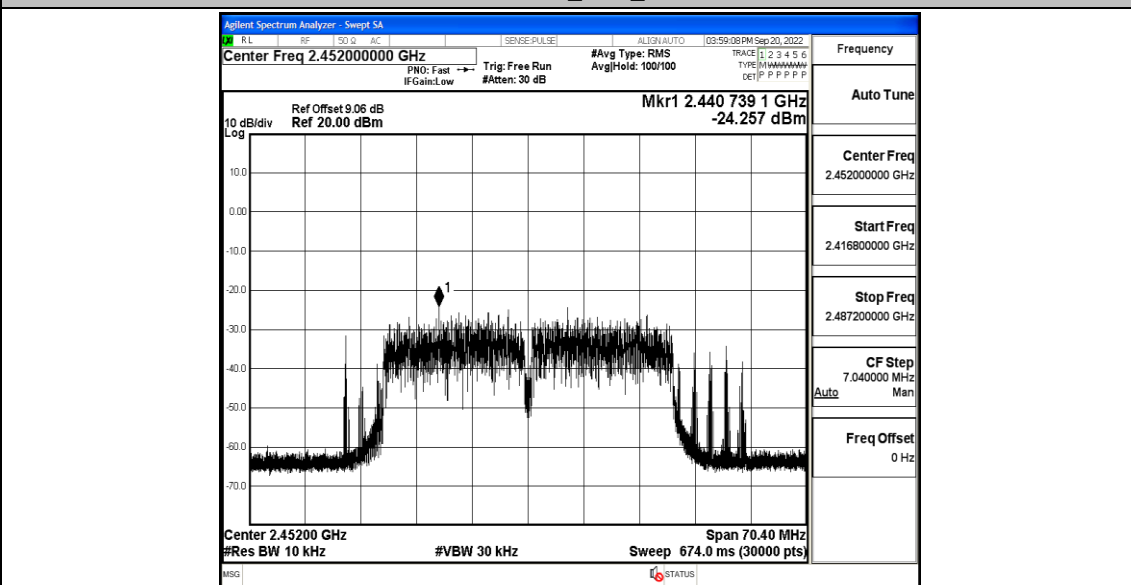
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



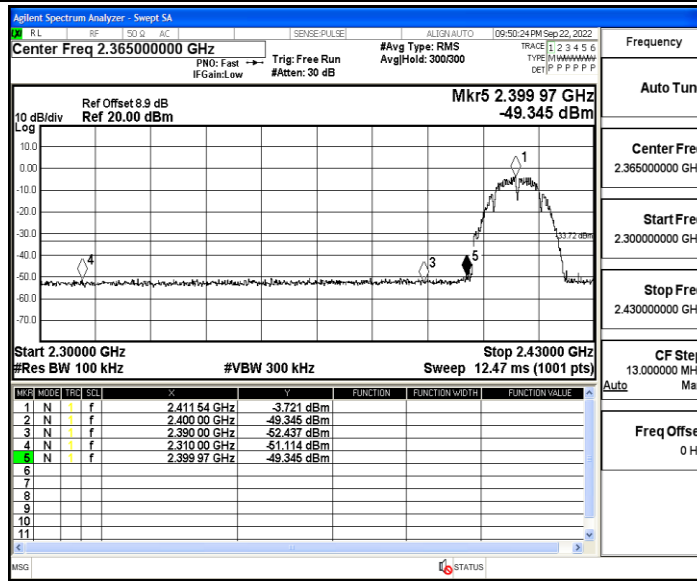
Appendix E: Band edge measurements

Test Result

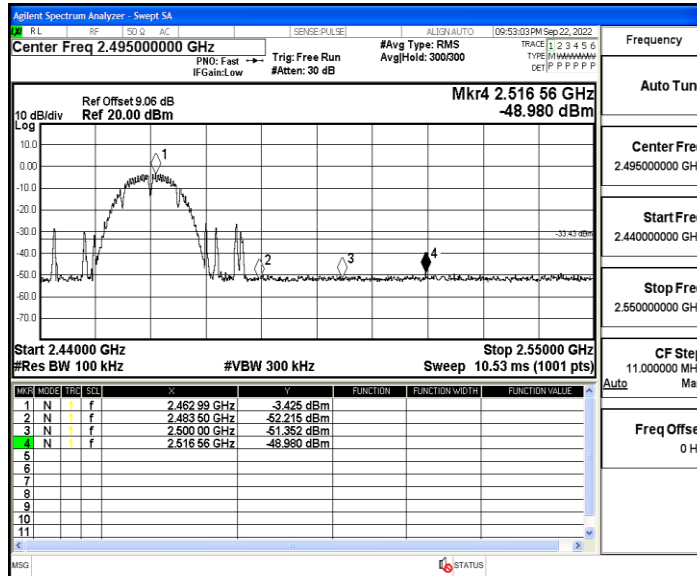
| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B | Ant1 | Low | 2412 | -3.72 | -49.35 | ≤-33.72 | PASS |
| | | High | 2462 | -3.43 | -48.98 | ≤-33.43 | PASS |
| 11G | Ant1 | Low | 2412 | -10.88 | -47.59 | ≤-40.88 | PASS |
| | | High | 2462 | -10.35 | -48.69 | ≤-40.35 | PASS |
| 11N20SISO | Ant1 | Low | 2412 | -13.15 | -46.95 | ≤-43.15 | PASS |
| | | High | 2462 | -12.75 | -48.98 | ≤-42.75 | PASS |
| 11N40SISO | Ant1 | Low | 2422 | -16.12 | -50.49 | ≤-46.12 | PASS |
| | | High | 2452 | -16.19 | -49.09 | ≤-46.19 | PASS |

Test Graphs

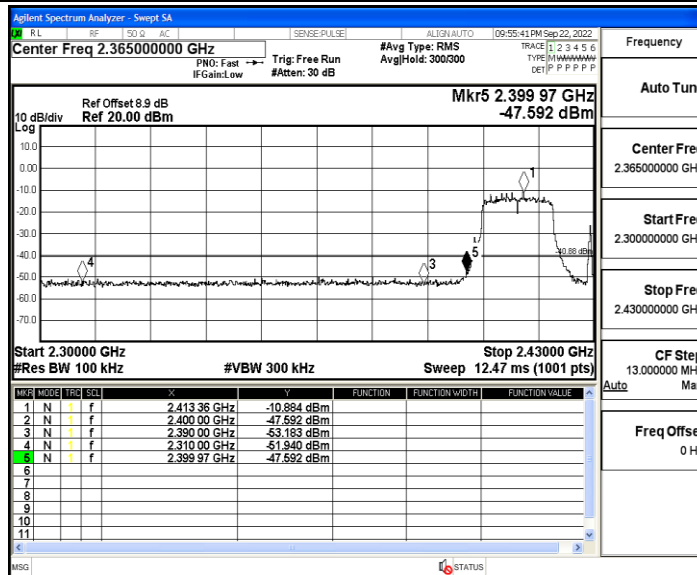
11B_Ant1_Low_2412



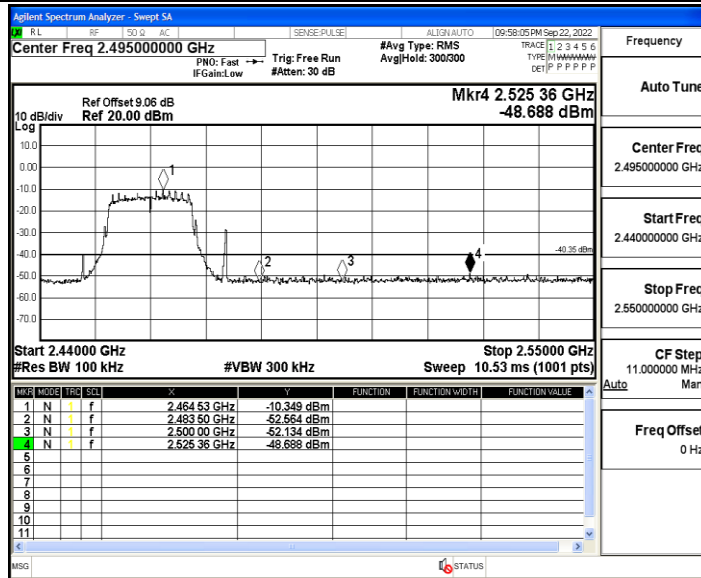
11B_Ant1_High_2462



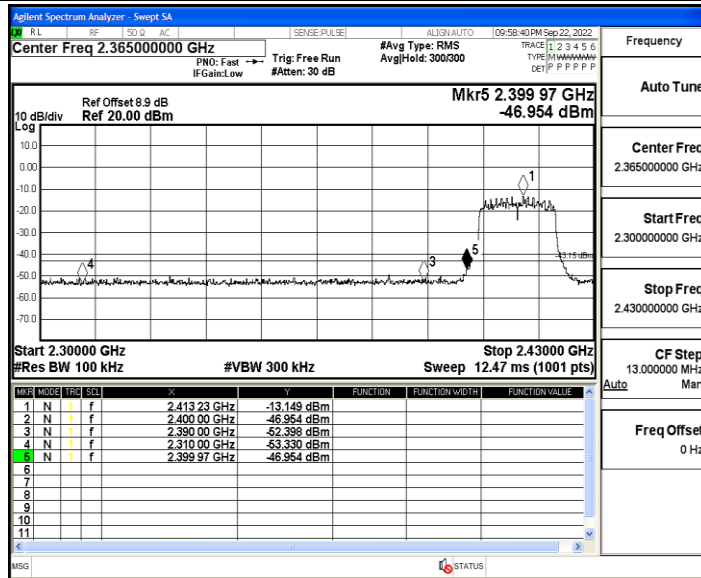
11G_Ant1_Low_2412



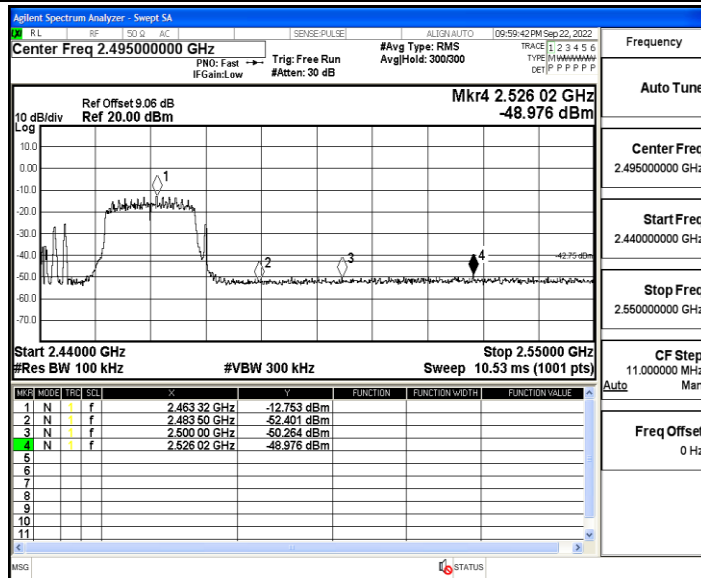
11G_Ant1_High_2462



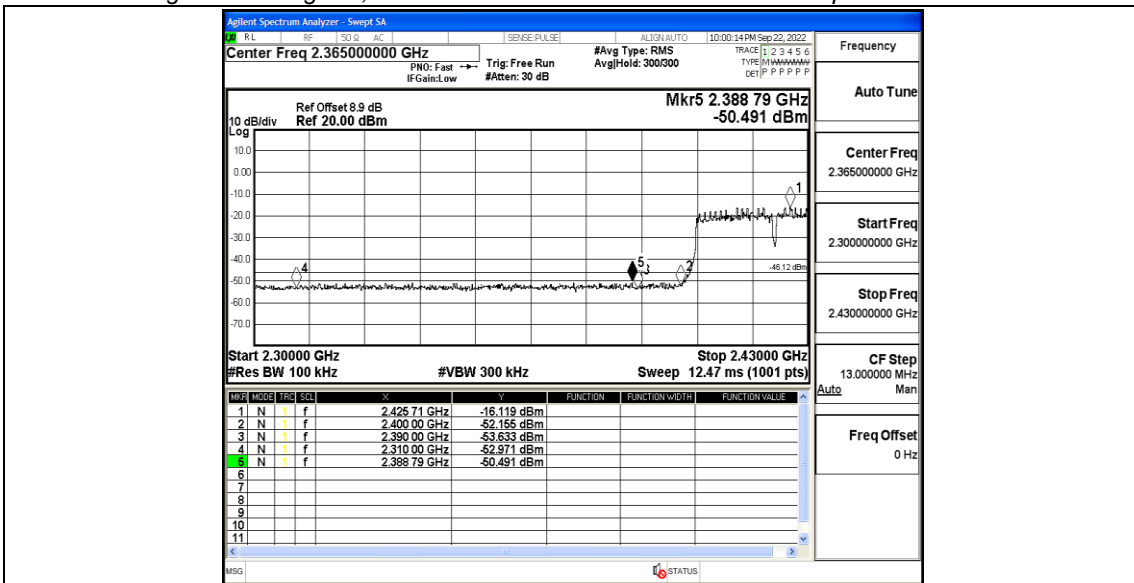
11N20SISO_Ant1_Low_2412



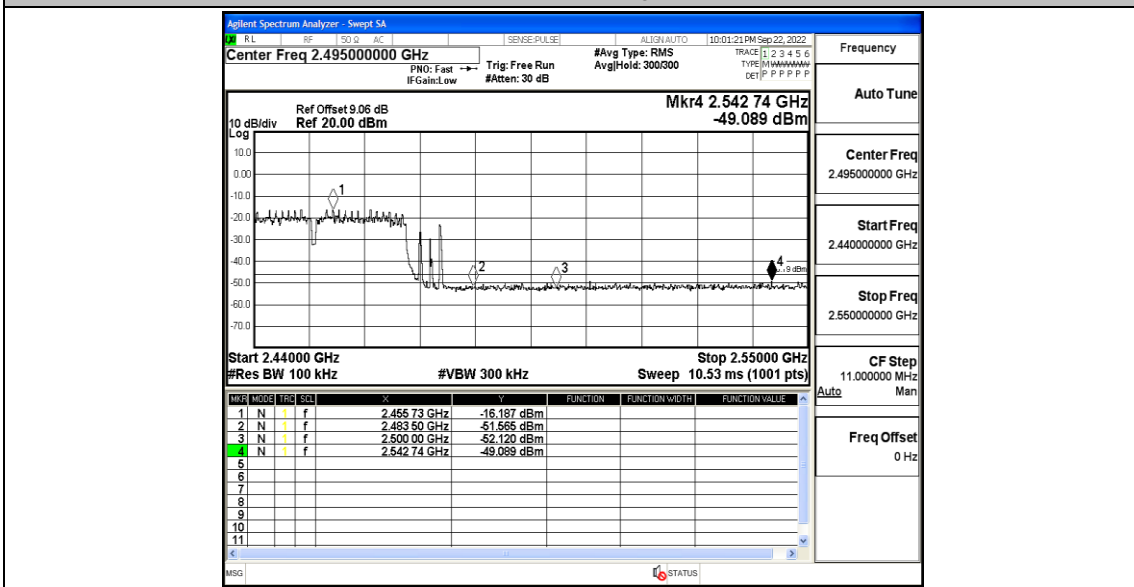
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



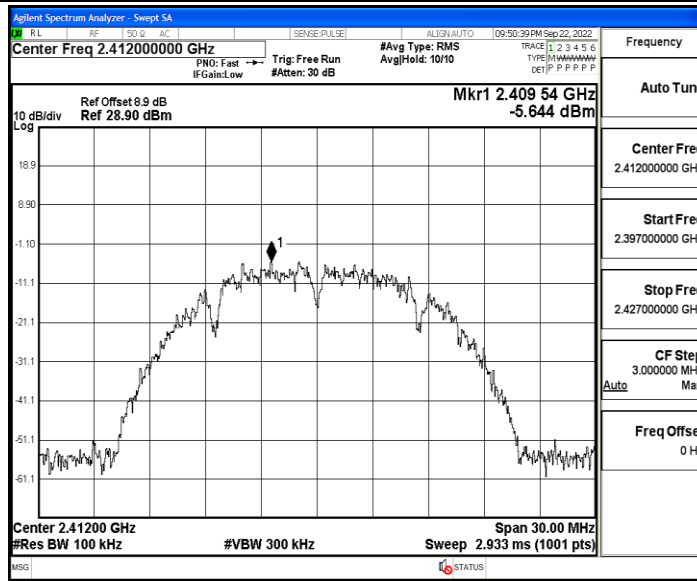
Appendix F: Conducted Spurious Emission

Test Result

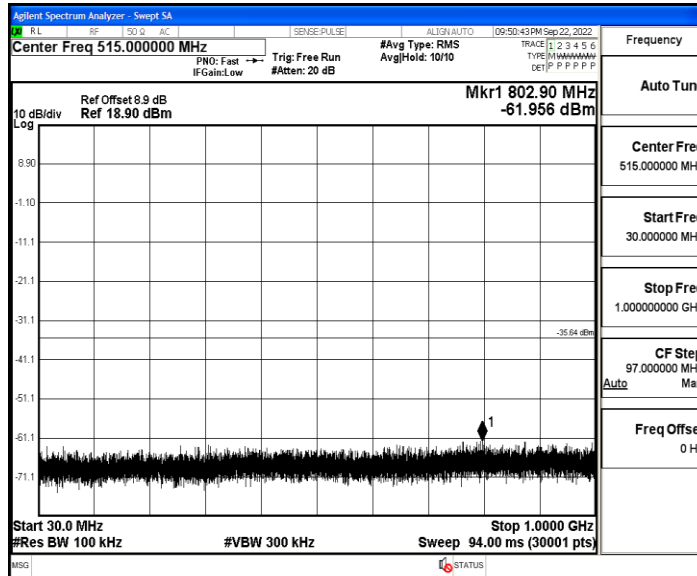
| TestMode | Antenna | Channel | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------|-----------------|----------------|--------------|-------------|---------|
| 11B | Ant1 | 2412 | Reference | -5.64 | -5.64 | --- | PASS |
| | | | 30~1000 | -5.64 | -61.96 | ≤-35.64 | PASS |
| | | | 1000~26500 | -5.64 | -50.09 | ≤-35.64 | PASS |
| | | 2437 | Reference | -5.35 | -5.35 | --- | PASS |
| | | | 30~1000 | -5.35 | -61.81 | ≤-35.35 | PASS |
| | | | 1000~26500 | -5.35 | -50.92 | ≤-35.35 | PASS |
| | | 2462 | Reference | -3.29 | -3.29 | --- | PASS |
| | | | 30~1000 | -3.29 | -60.55 | ≤-33.29 | PASS |
| | | | 1000~26500 | -3.29 | -51.09 | ≤-33.29 | PASS |
| 11G | Ant1 | 2412 | Reference | -13.53 | -13.53 | --- | PASS |
| | | | 30~1000 | -13.53 | -61.3 | ≤-43.53 | PASS |
| | | | 1000~26500 | -13.53 | -51.5 | ≤-43.53 | PASS |
| | | 2437 | Reference | -13.31 | -13.31 | --- | PASS |
| | | | 30~1000 | -13.31 | -60.9 | ≤-43.31 | PASS |
| | | | 1000~26500 | -13.31 | -51.48 | ≤-43.31 | PASS |
| | | 2462 | Reference | -11.58 | -11.58 | --- | PASS |
| | | | 30~1000 | -11.58 | -61.5 | ≤-41.58 | PASS |
| | | | 1000~26500 | -11.58 | -51.65 | ≤-41.58 | PASS |
| 11N20SISO | Ant1 | 2412 | Reference | -14.26 | -14.26 | --- | PASS |
| | | | 30~1000 | -14.26 | -60.91 | ≤-44.26 | PASS |
| | | | 1000~26500 | -14.26 | -51.35 | ≤-44.26 | PASS |
| | | 2437 | Reference | -13.84 | -13.84 | --- | PASS |
| | | | 30~1000 | -13.84 | -61.83 | ≤-43.84 | PASS |
| | | | 1000~26500 | -13.84 | -50.64 | ≤-43.84 | PASS |
| | | 2462 | Reference | -14.18 | -14.18 | --- | PASS |
| | | | 30~1000 | -14.18 | -60.99 | ≤-44.18 | PASS |
| | | | 1000~26500 | -14.18 | -50.88 | ≤-44.18 | PASS |
| 11N40SISO | Ant1 | 2422 | Reference | -16.11 | -16.11 | --- | PASS |
| | | | 30~1000 | -16.11 | -61.83 | ≤-46.11 | PASS |
| | | | 1000~26500 | -16.11 | -51.12 | ≤-46.11 | PASS |
| | | 2437 | Reference | -16.53 | -16.53 | --- | PASS |
| | | | 30~1000 | -16.53 | -61.51 | ≤-46.53 | PASS |
| | | | 1000~26500 | -16.53 | -50.8 | ≤-46.53 | PASS |
| | | 2452 | Reference | -17.35 | -17.35 | --- | PASS |
| | | | 30~1000 | -17.35 | -60.42 | ≤-47.35 | PASS |
| | | | 1000~26500 | -17.35 | -49.92 | ≤-47.35 | PASS |

Test Graphs

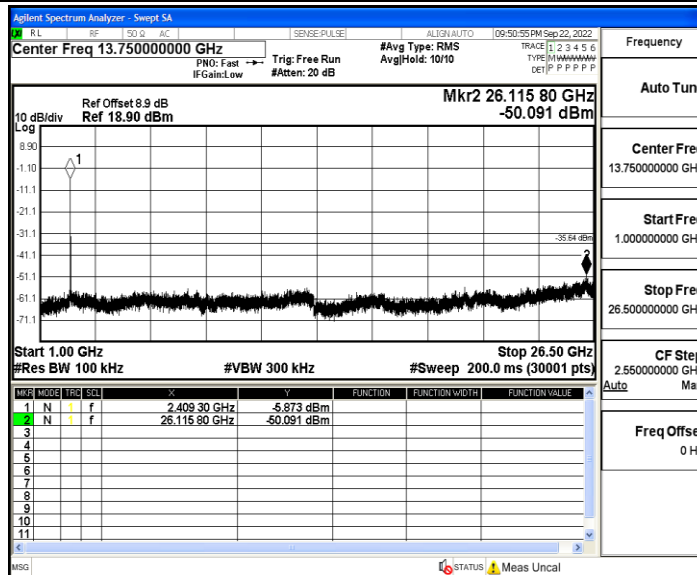
11B_Ant1_2412_0~Reference



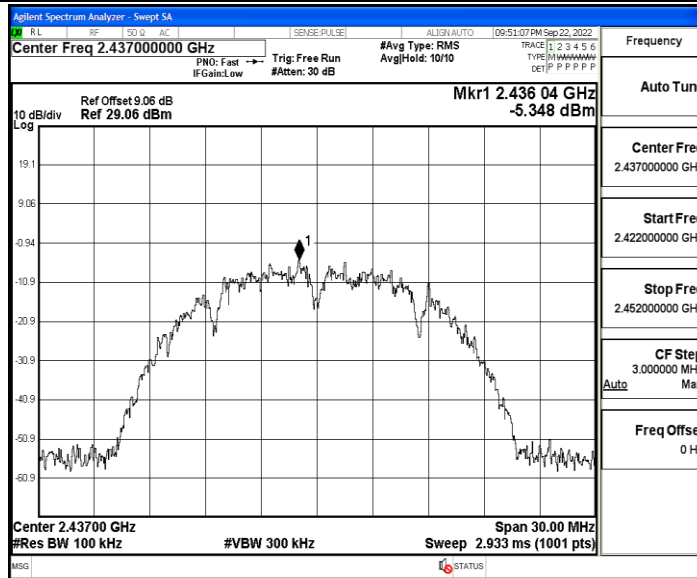
11B_Ant1_2412_30~1000



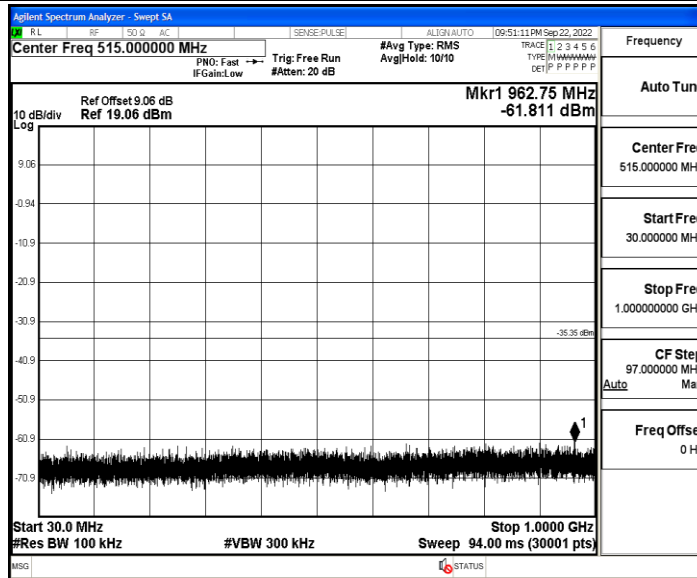
11B_Ant1_2412_1000~26500



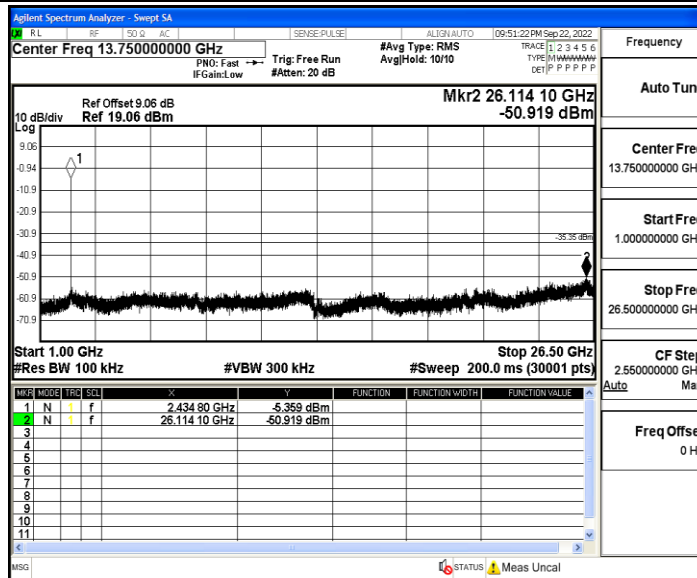
11B_Ant1_2437_0~Reference



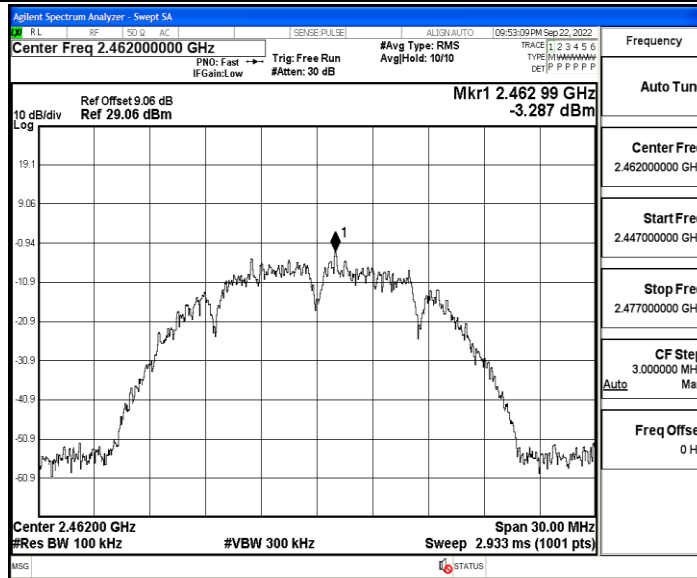
11B_Ant1_2437_30~1000



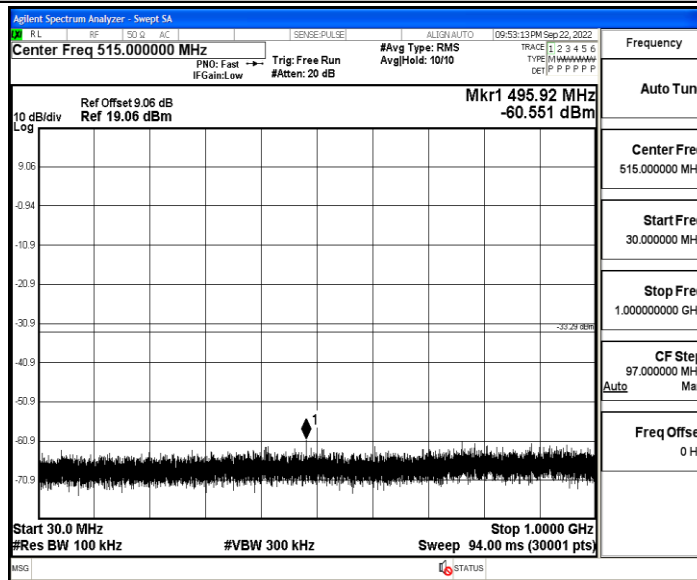
11B_Ant1_2437_1000~26500



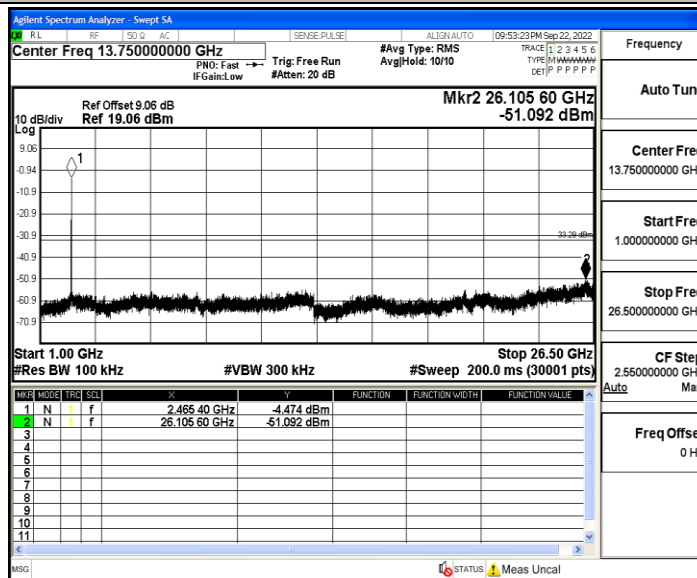
11B_Ant1_2462_0~Reference



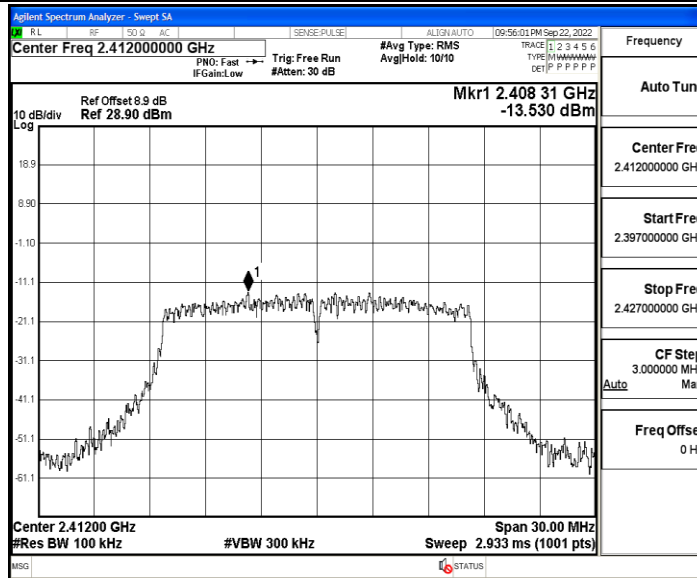
11B_Ant1_2462_30~1000



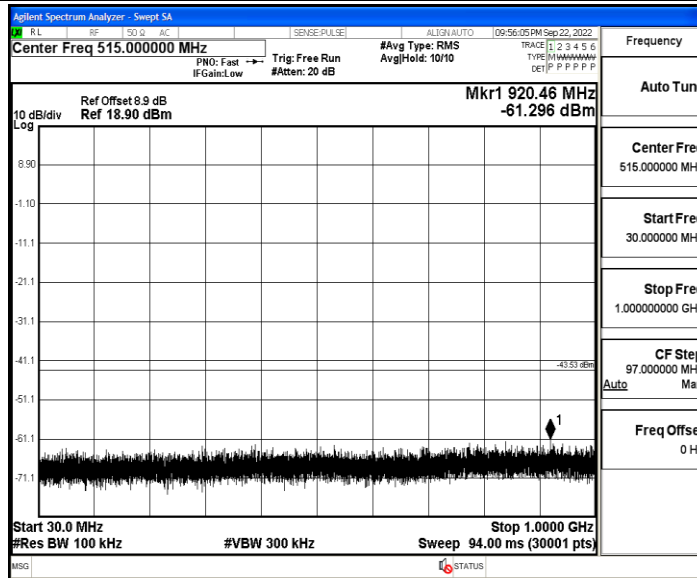
11B_Ant1_2462_1000~26500



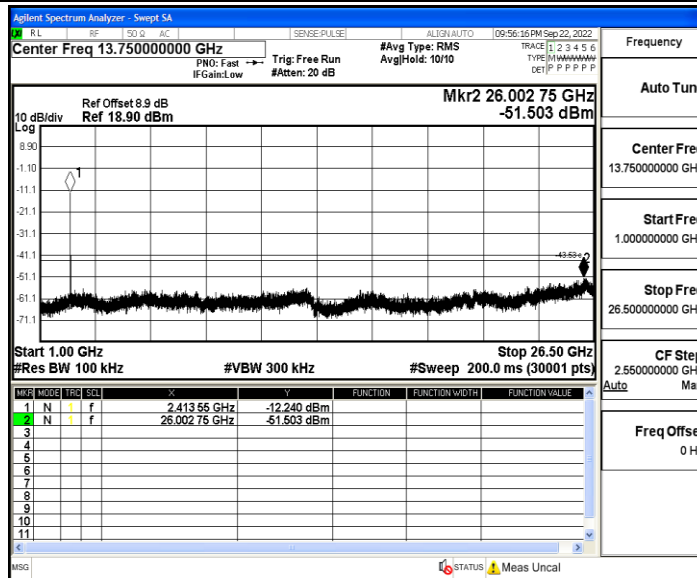
11G_Ant1_2412_0~Reference



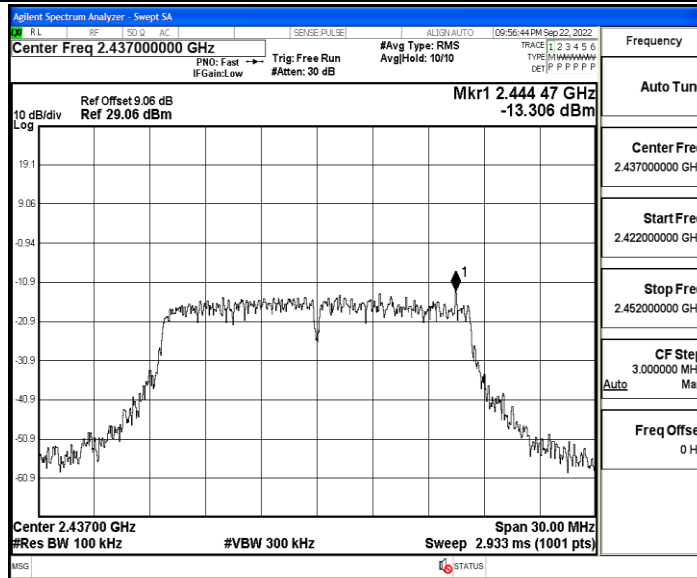
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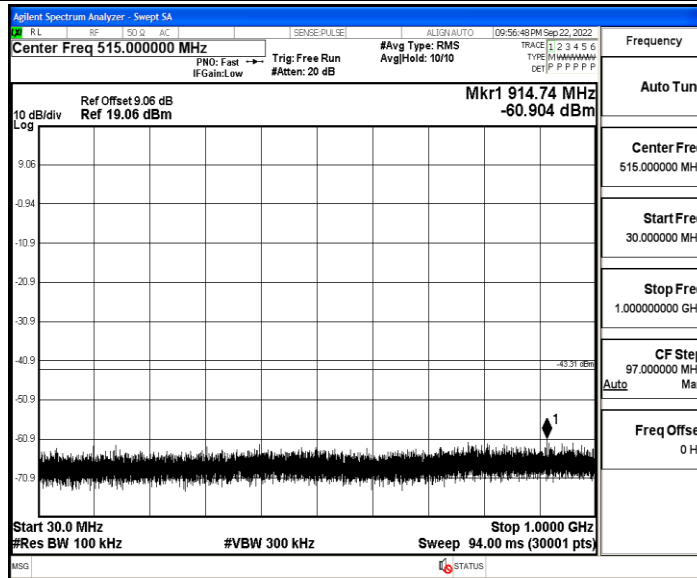
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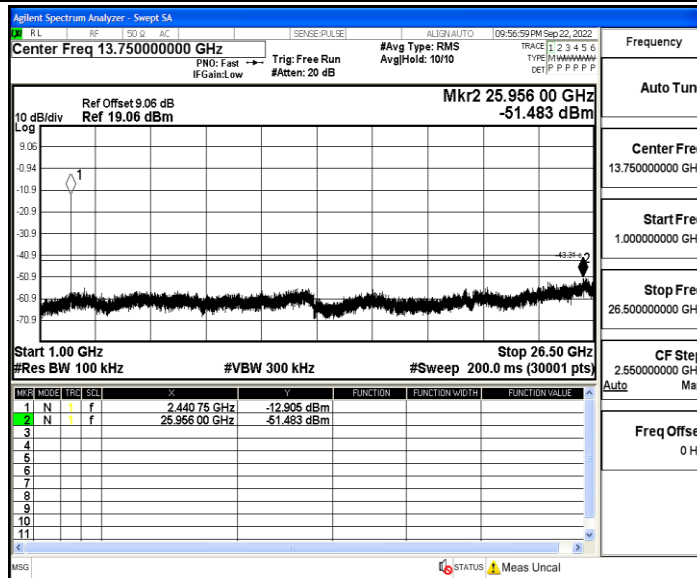
11G_Ant1_2437_0~Reference



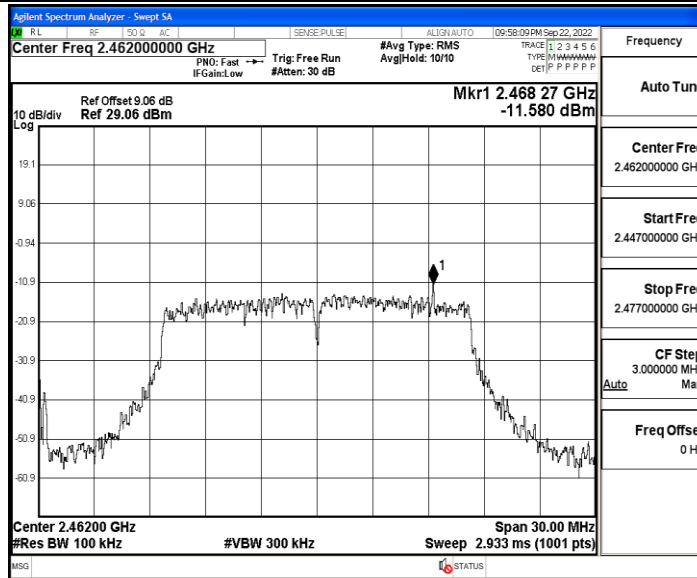
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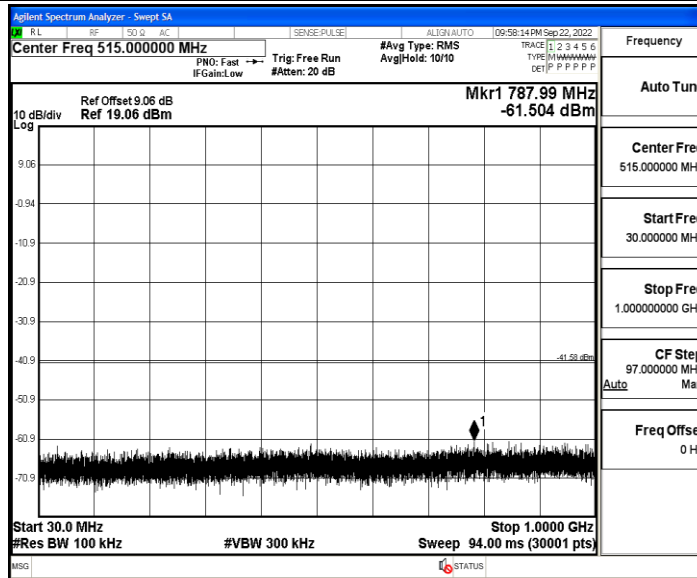
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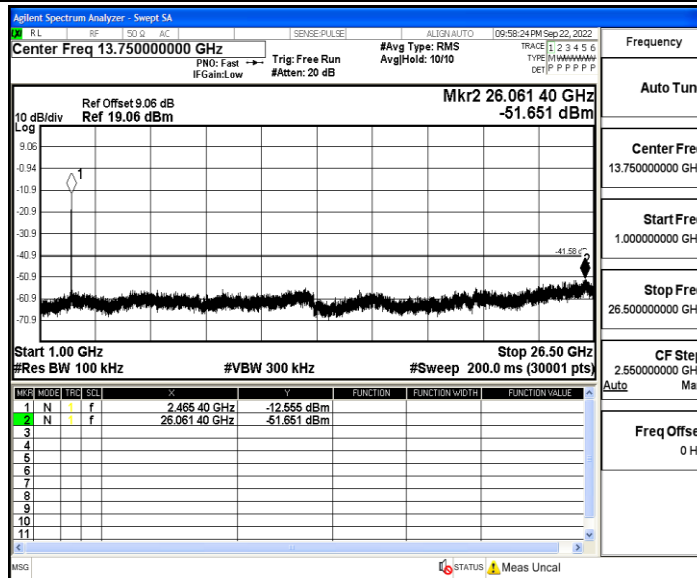
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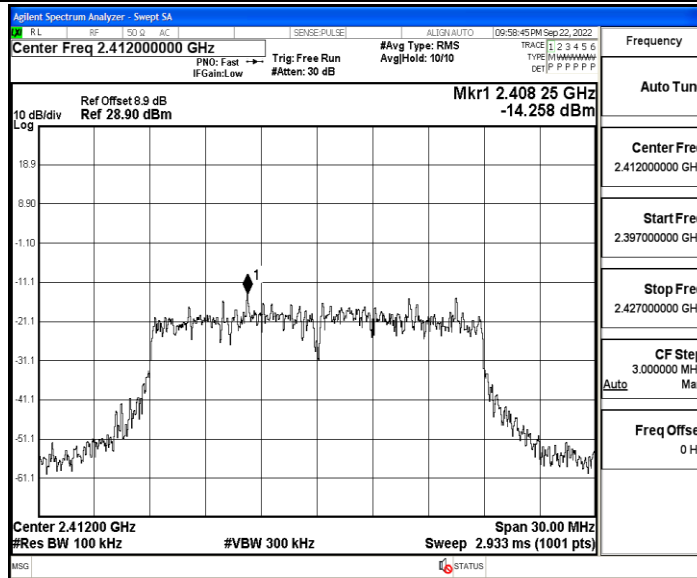
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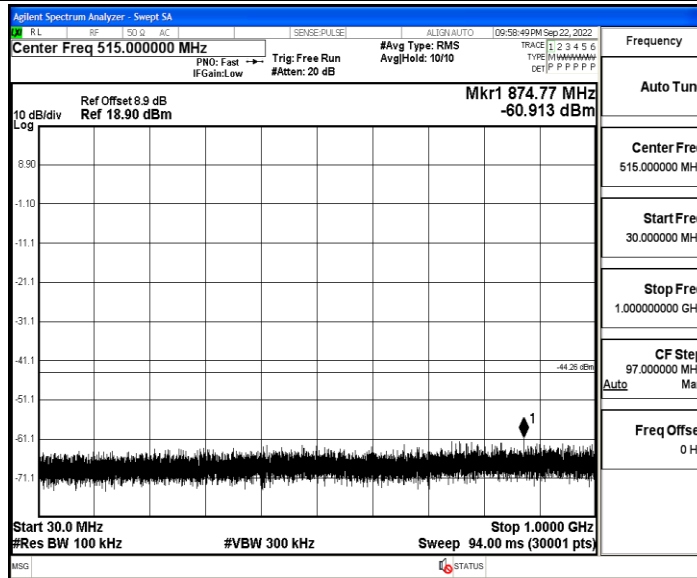
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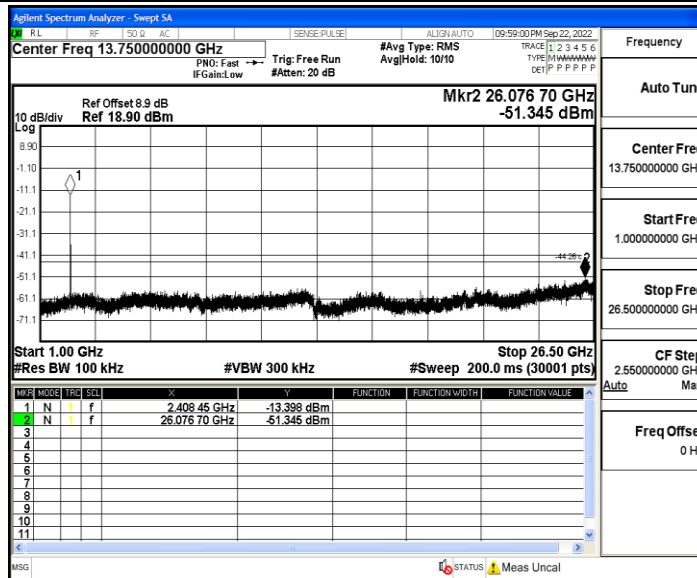
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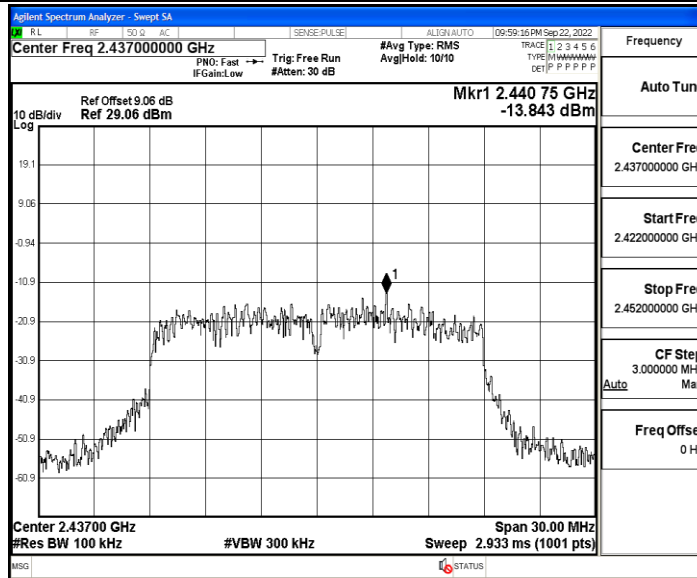
11N20SISO_Ant1_2412_30~1000



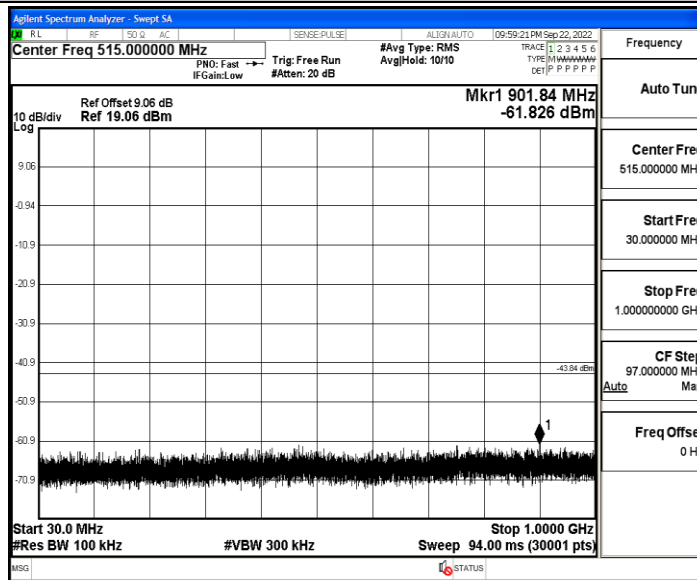
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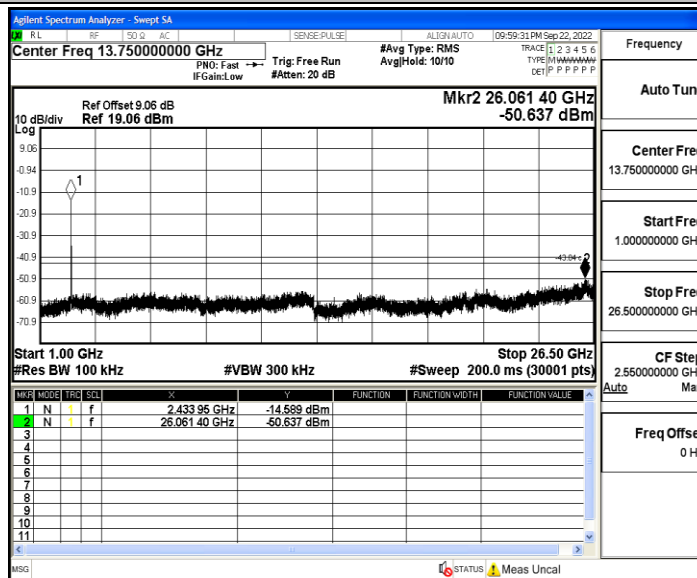
11N20SISO_Ant1_2437_0~Reference



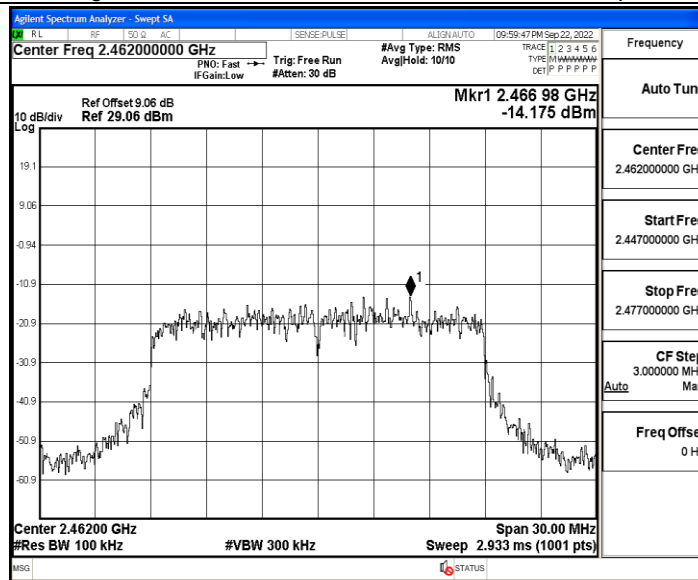
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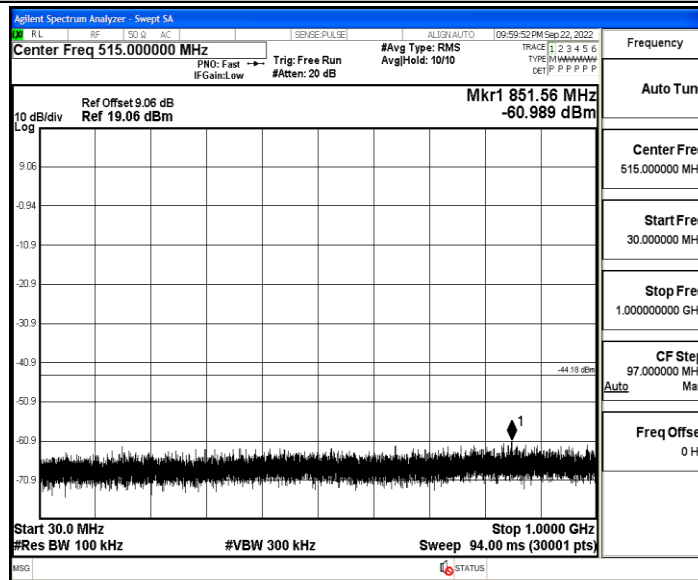
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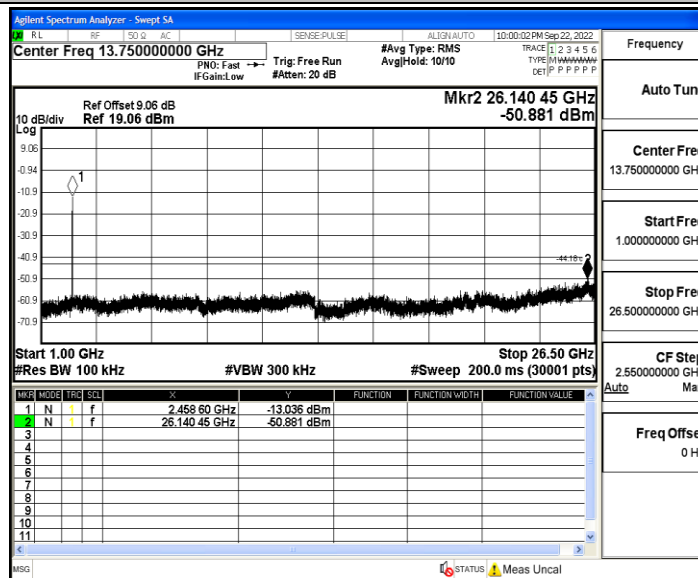
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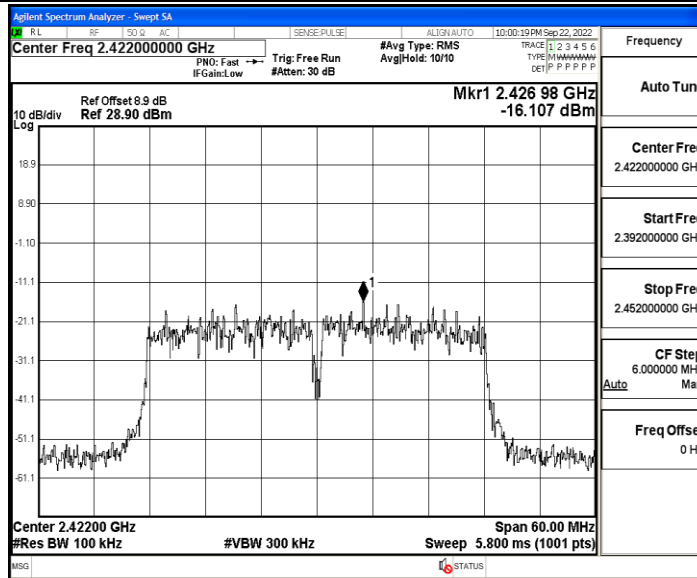
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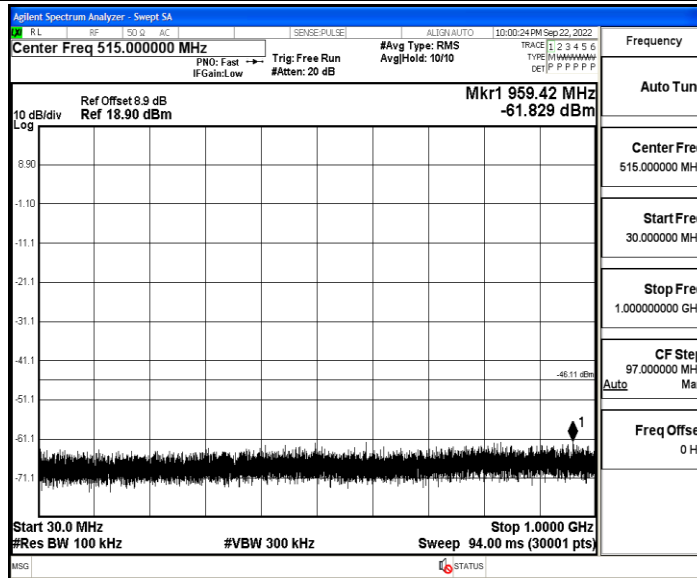
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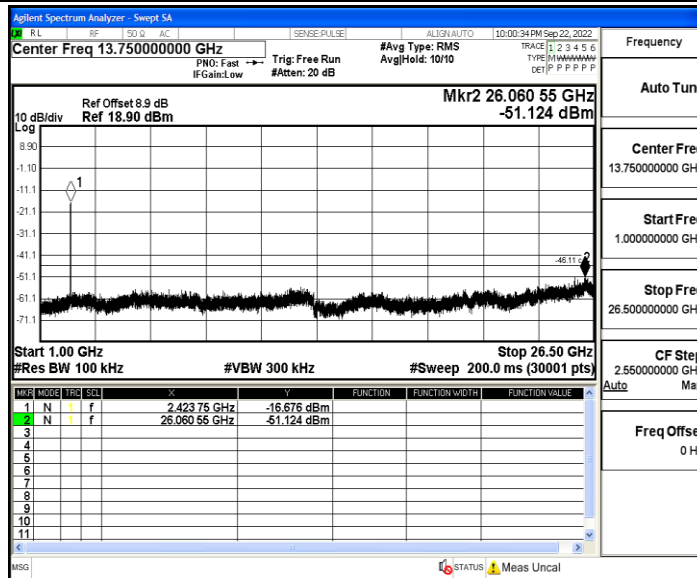
11N40SISO_Ant1_2422_0~Reference



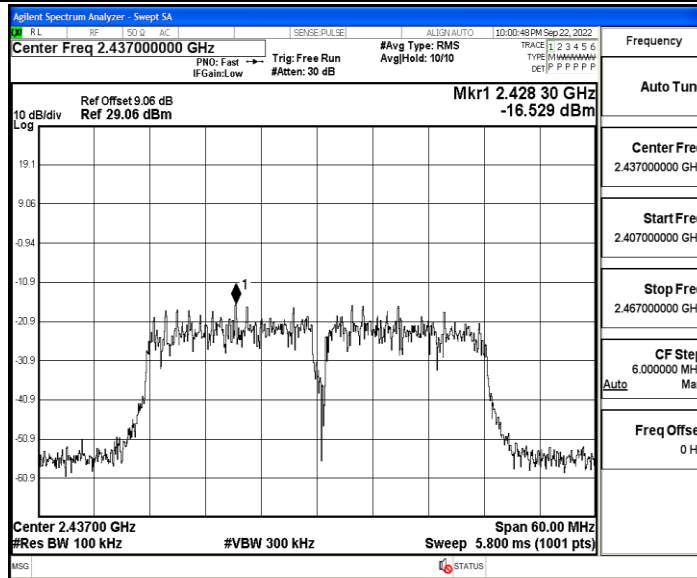
11N40SISO_Ant1_2422_30~1000



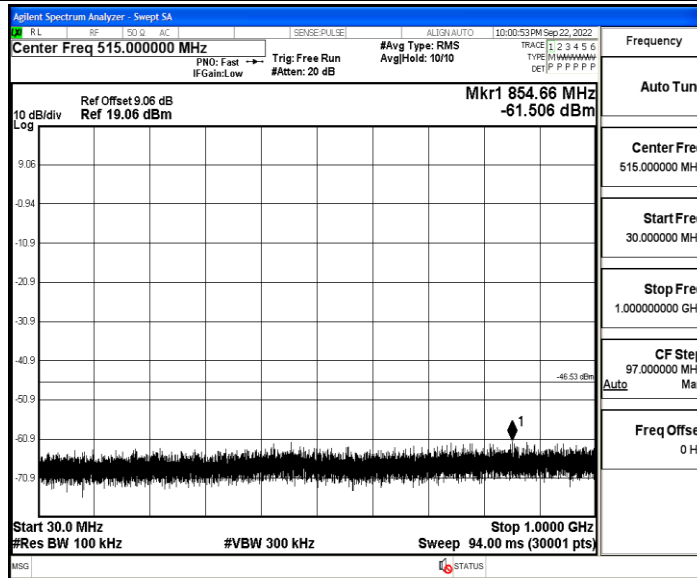
11N40SISO_Ant1_2422_1000~26500



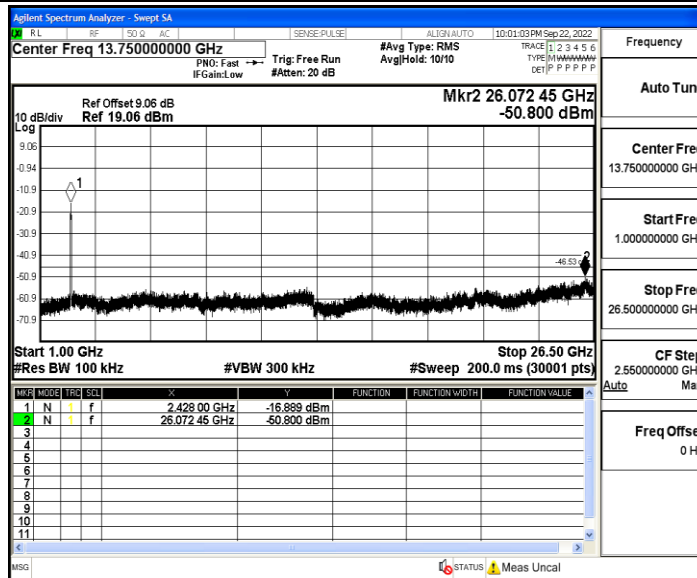
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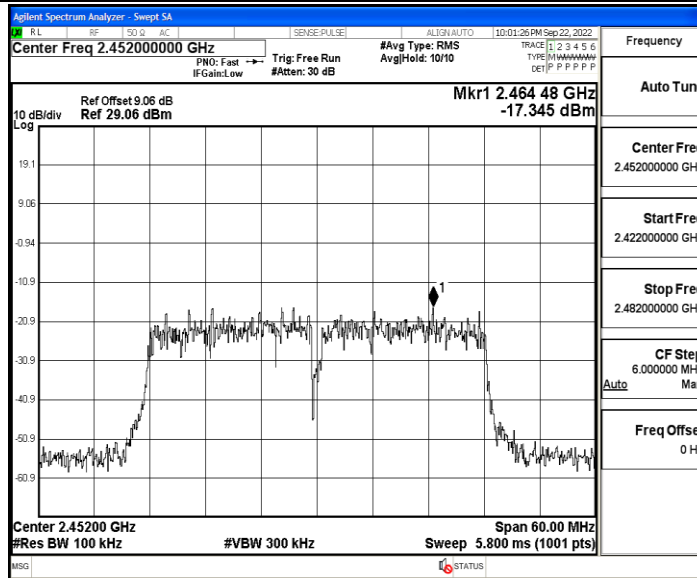
11N40SISO_Ant1_2437_30~1000



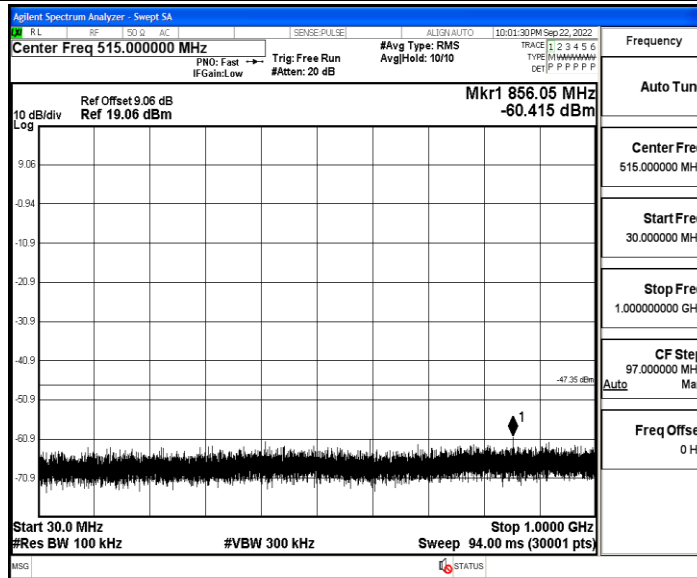
11N40SISO_Ant1_2437_1000~26500



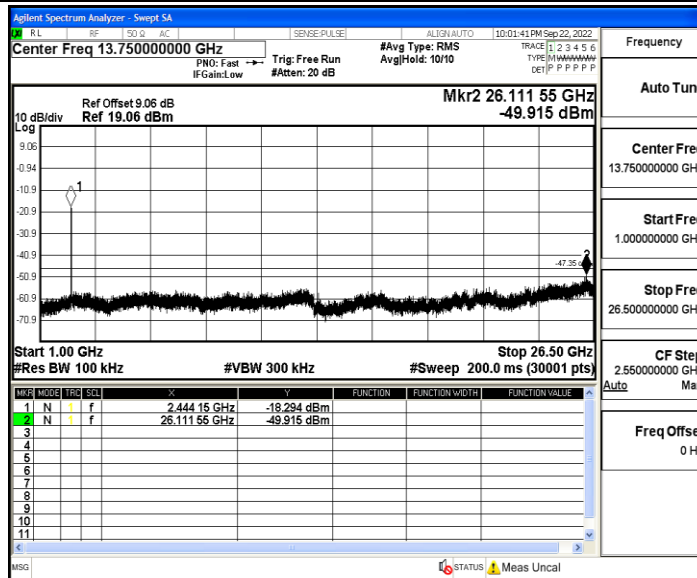
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

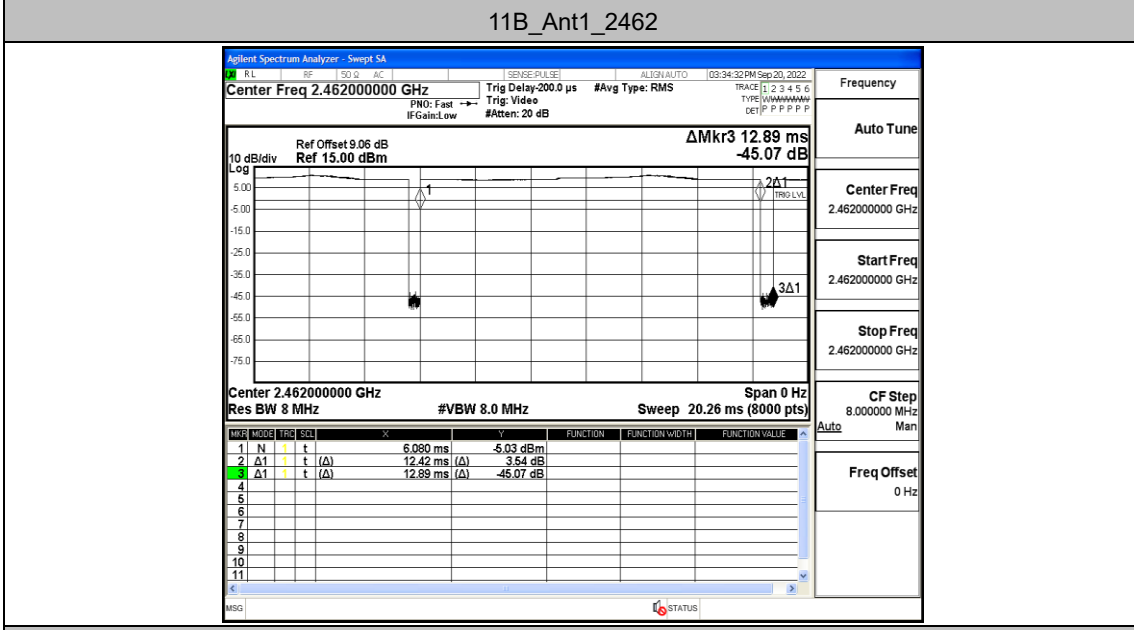
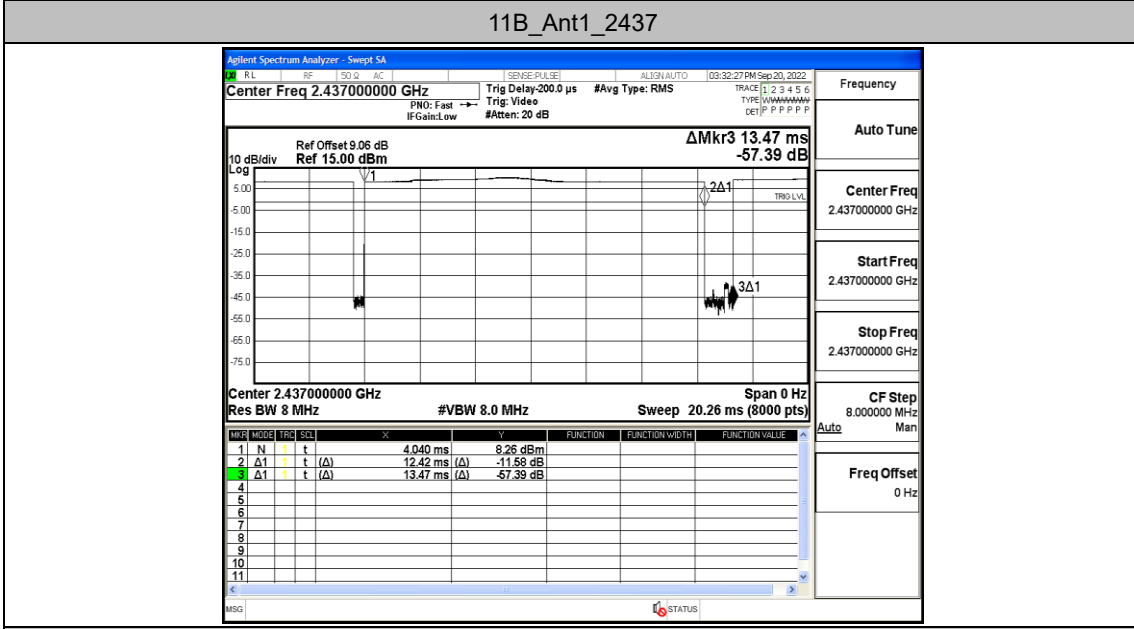
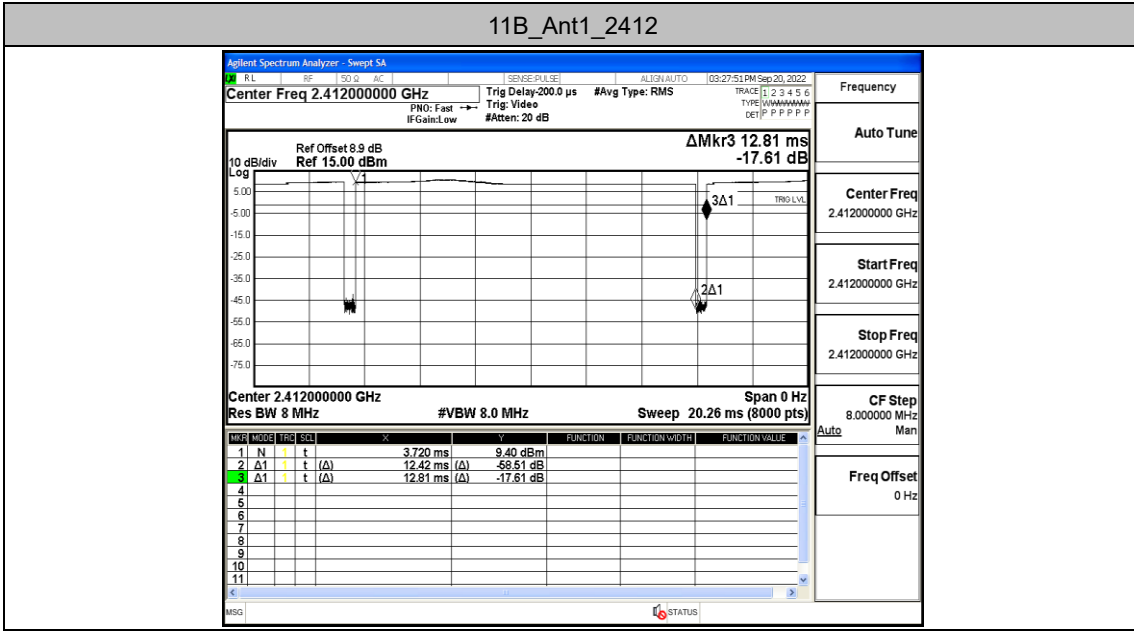


Appendix G: Duty Cycle

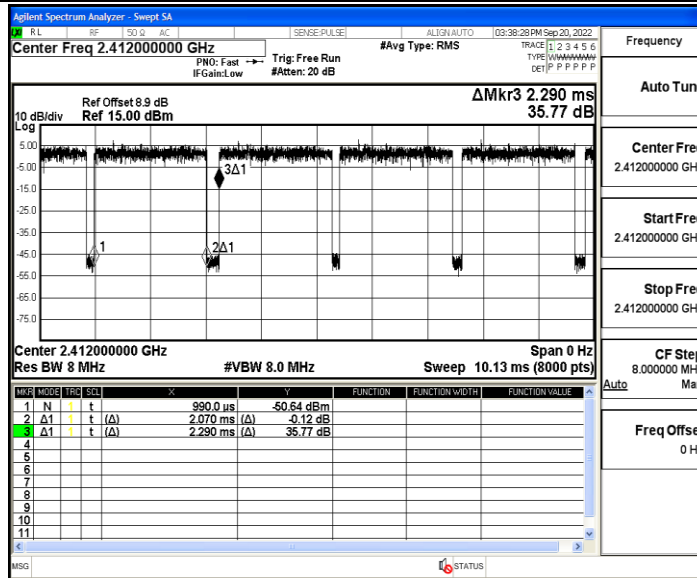
Test Result

| TestMode | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | 1/T |
|-----------|---------|---------|----------------------------|--------------------------|----------------|------|
| 11B | Ant1 | 2412 | 12.42 | 12.81 | 96.96 | 0.08 |
| | | 2437 | 12.42 | 13.47 | 92.20 | 0.08 |
| | | 2462 | 12.42 | 12.89 | 96.35 | 0.08 |
| 11G | Ant1 | 2412 | 2.07 | 2.29 | 90.39 | 0.48 |
| | | 2437 | 2.07 | 2.30 | 90.00 | 0.48 |
| | | 2462 | 2.07 | 2.26 | 91.59 | 0.48 |
| 11N20SISO | Ant1 | 2412 | 0.23 | 0.46 | 50.00 | 4.35 |
| | | 2437 | 0.23 | 0.46 | 50.00 | 4.35 |
| | | 2462 | 0.23 | 0.46 | 50.00 | 4.35 |
| 11N40SISO | Ant1 | 2422 | 0.13 | 0.36 | 36.11 | 7.69 |
| | | 2437 | 0.13 | 0.36 | 36.11 | 7.69 |
| | | 2452 | 0.13 | 0.39 | 33.33 | 7.69 |

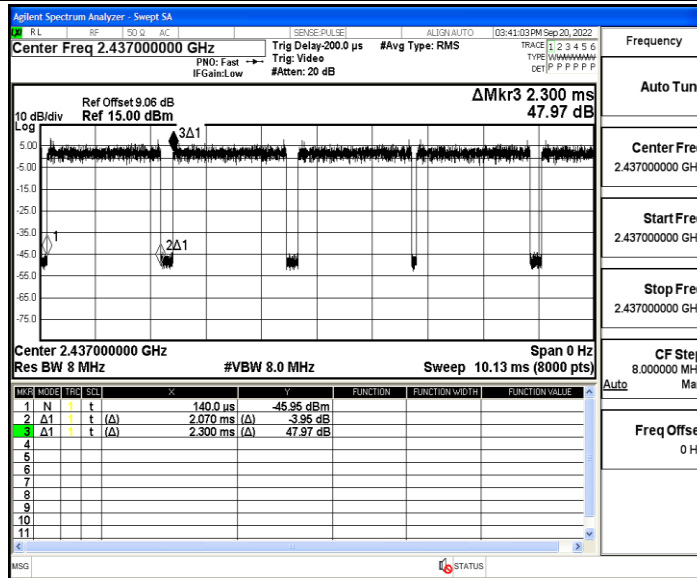
Test Graphs



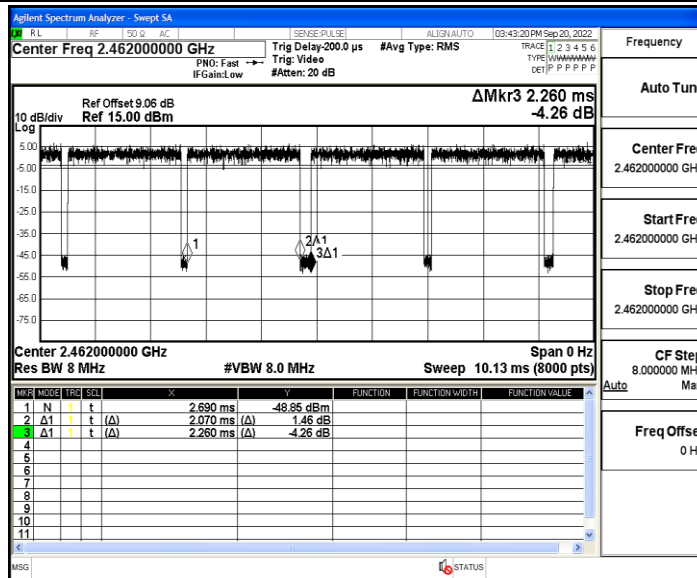
11G_Ant1_2412



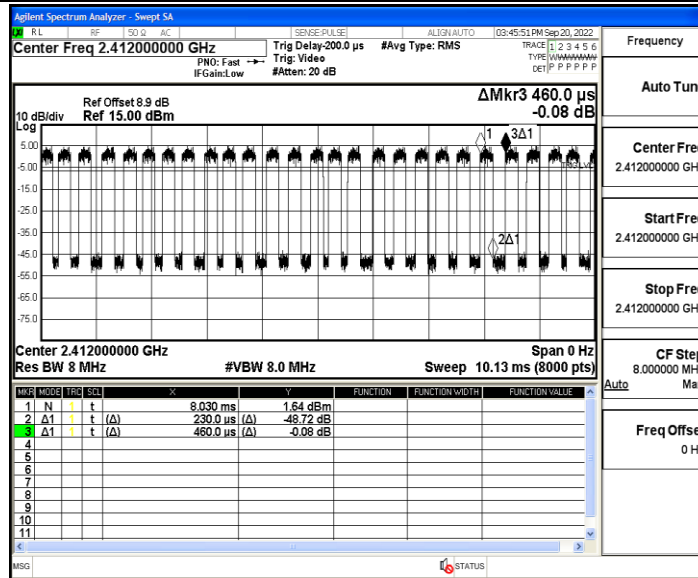
11G_Ant1_2437



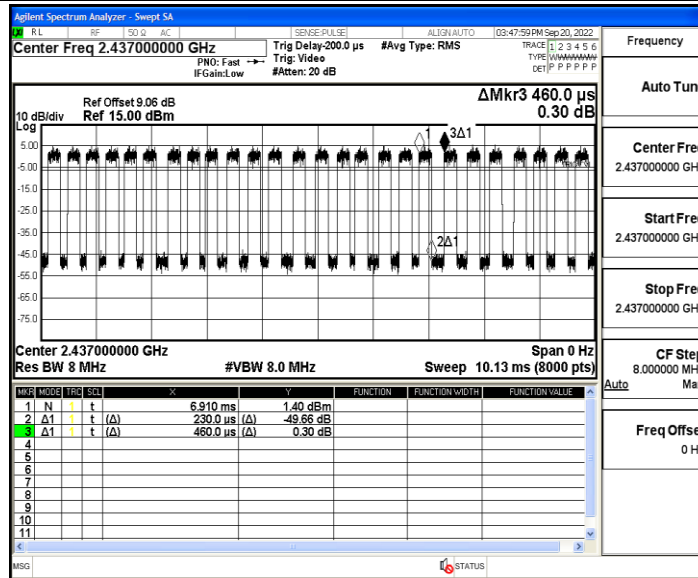
11G_Ant1_2462



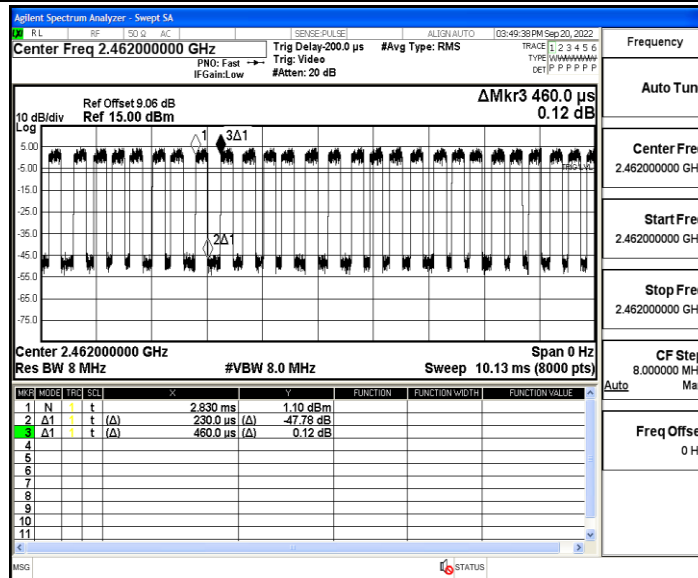
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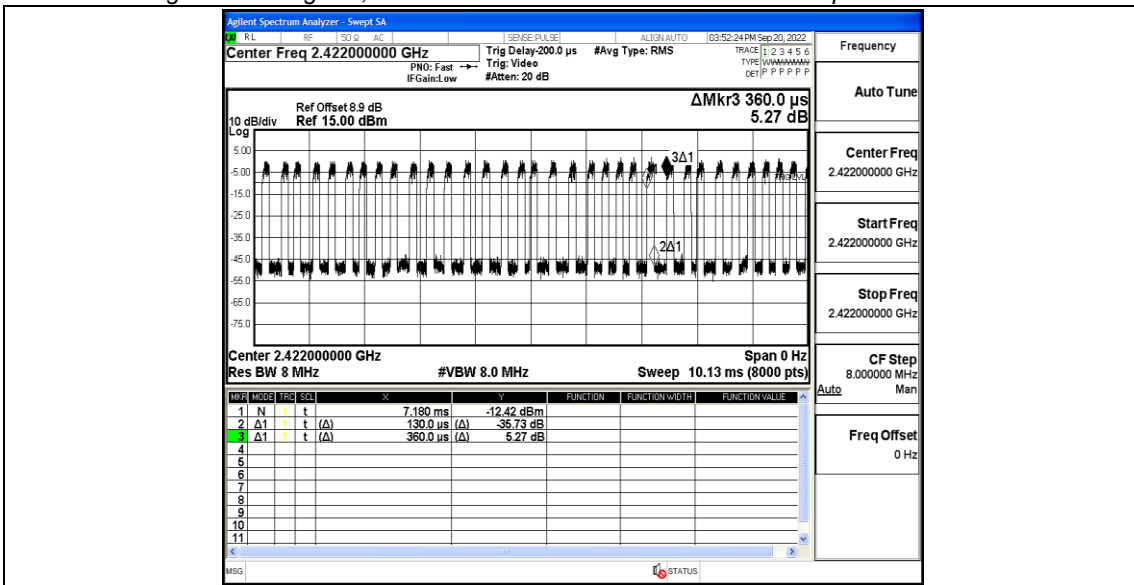
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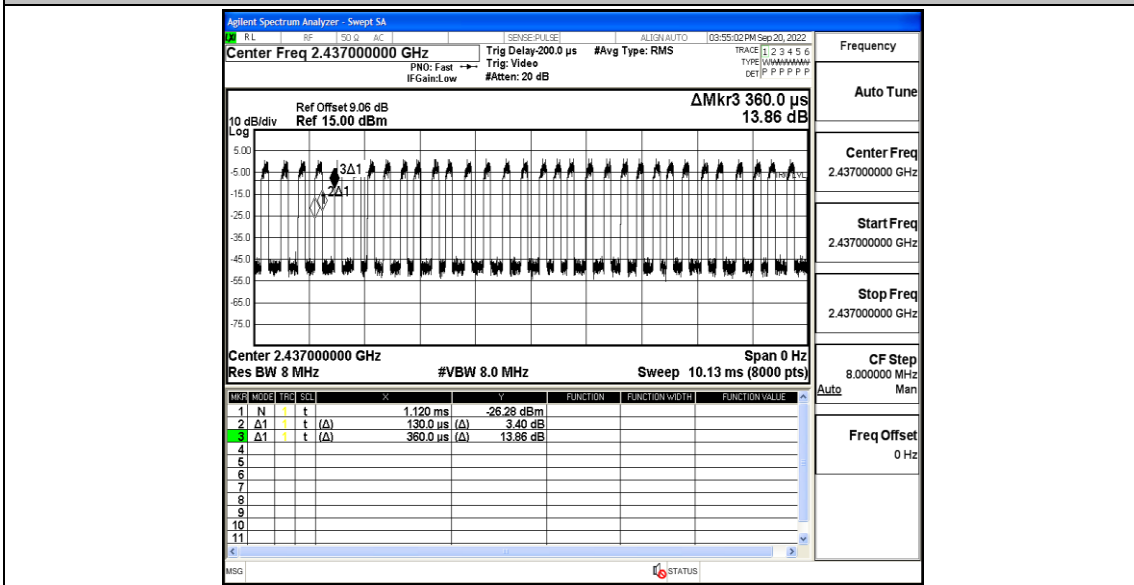
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

