

**Appendix I WIFI 2.4G Test Data****Applicant:** Shenzhen Xin An Zhuo Technology Co.,Ltd.**Report No:** DLE-250723005R**EUT:** Car Video Player**M/N:** A1**Standard:**FCC Part15 Subpart C, Section 15.247**Test Power Supply:** DC 5V/3A from Car Charger**Ambient Condition:** 24.7 °C, 52 %RH, 101.325 kPa**Test Date:** 2025.07.15**Test Engineer:** Ken Tan*Ken Tan*

## Appendix A: DTS Bandwidth

### Test Result

| TestMode  | Antenna | Channel | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 9.080           | 2407.520 | 2416.600 | 0.5        | PASS    |
|           |         | 2437    | 9.520           | 2432.520 | 2442.040 | 0.5        | PASS    |
|           |         | 2462    | 9.520           | 2457.040 | 2466.560 | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 16.280          | 2403.920 | 2420.200 | 0.5        | PASS    |
|           |         | 2437    | 16.280          | 2428.920 | 2445.200 | 0.5        | PASS    |
|           |         | 2462    | 16.280          | 2453.920 | 2470.200 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412    | 16.640          | 2403.920 | 2420.560 | 0.5        | PASS    |
|           |         | 2437    | 16.880          | 2428.680 | 2445.560 | 0.5        | PASS    |
|           |         | 2462    | 16.680          | 2453.520 | 2470.200 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422    | 35.040          | 2404.560 | 2439.600 | 0.5        | PASS    |
|           |         | 2437    | 35.120          | 2419.480 | 2454.600 | 0.5        | PASS    |
|           |         | 2452    | 35.040          | 2434.560 | 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



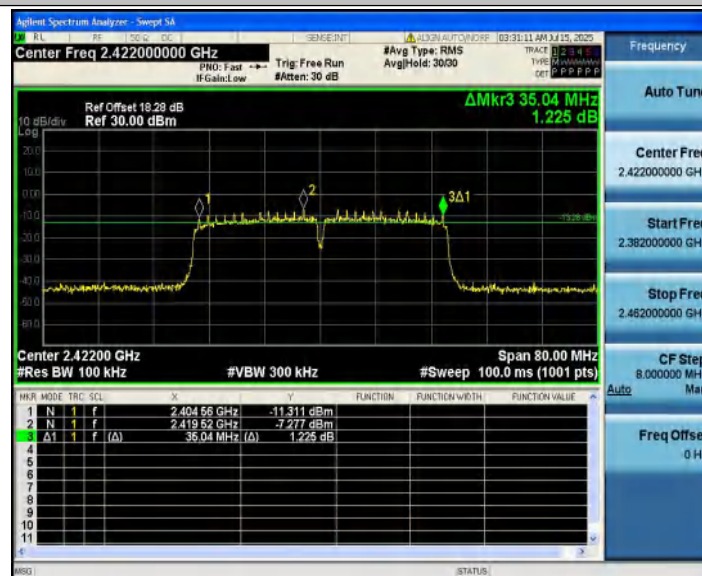
## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



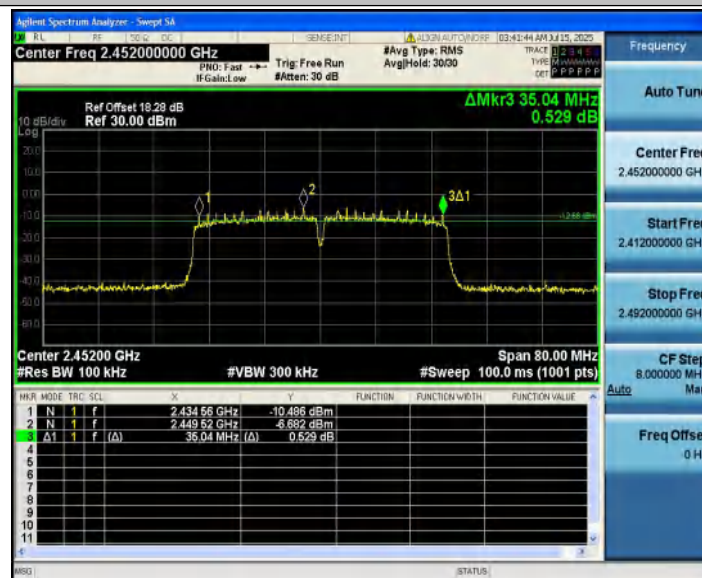
11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



## Appendix B: Occupied Channel Bandwidth

### Test Result

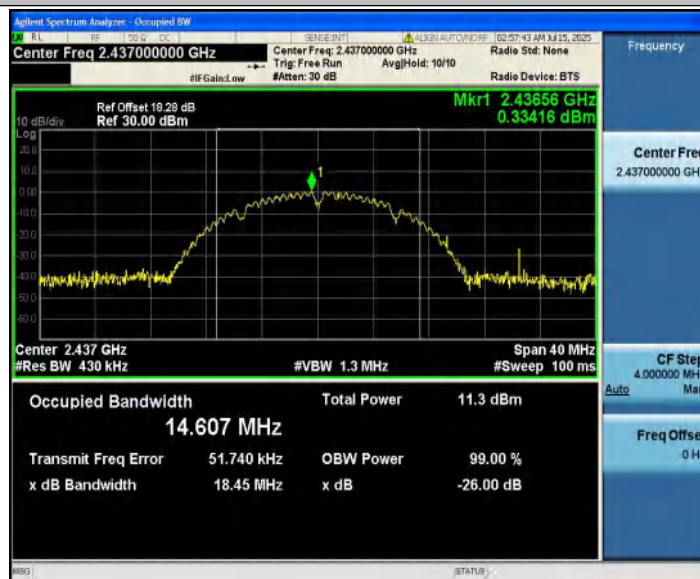
| TestMode  | Antenna | Channel | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|-----------|-----------|------------|---------|
| 11B       | Ant1    | 2412    | 14.653    | 2404.7538 | 2419.4068 | ---        | ---     |
|           |         | 2437    | 14.607    | 2429.7482 | 2444.3552 | ---        | ---     |
|           |         | 2462    | 14.612    | 2454.7309 | 2469.3429 | ---        | ---     |
| 11G       | Ant1    | 2412    | 16.872    | 2403.6014 | 2420.4734 | ---        | ---     |
|           |         | 2437    | 16.586    | 2428.7334 | 2445.3194 | ---        | ---     |
|           |         | 2462    | 16.549    | 2453.7840 | 2470.3330 | ---        | ---     |
| 11N20SISO | Ant1    | 2412    | 17.740    | 2403.2156 | 2420.9556 | ---        | ---     |
|           |         | 2437    | 17.670    | 2428.2385 | 2445.9085 | ---        | ---     |
|           |         | 2462    | 17.671    | 2453.2596 | 2470.9306 | ---        | ---     |
| 11N40SISO | Ant1    | 2422    | 35.985    | 2404.1044 | 2440.0894 | ---        | ---     |
|           |         | 2437    | 35.902    | 2419.1017 | 2455.0037 | ---        | ---     |
|           |         | 2452    | 35.837    | 2434.1266 | 2469.9636 | ---        | ---     |

## 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



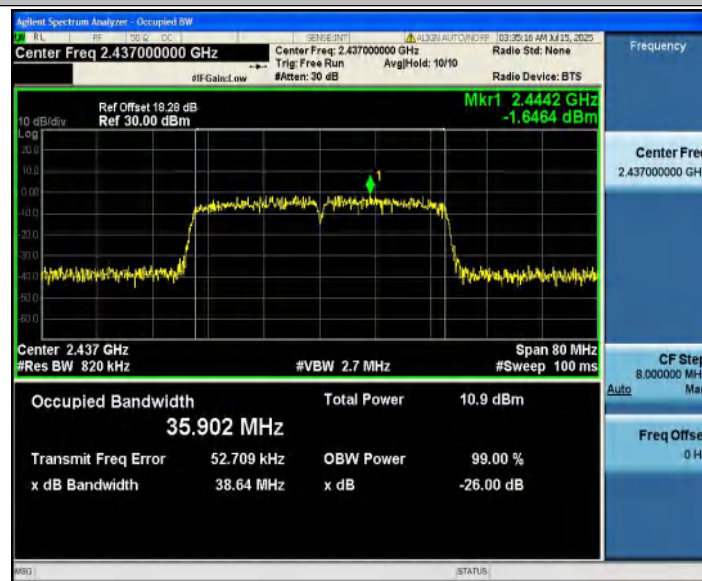
11N20SISO\_Ant1\_2462



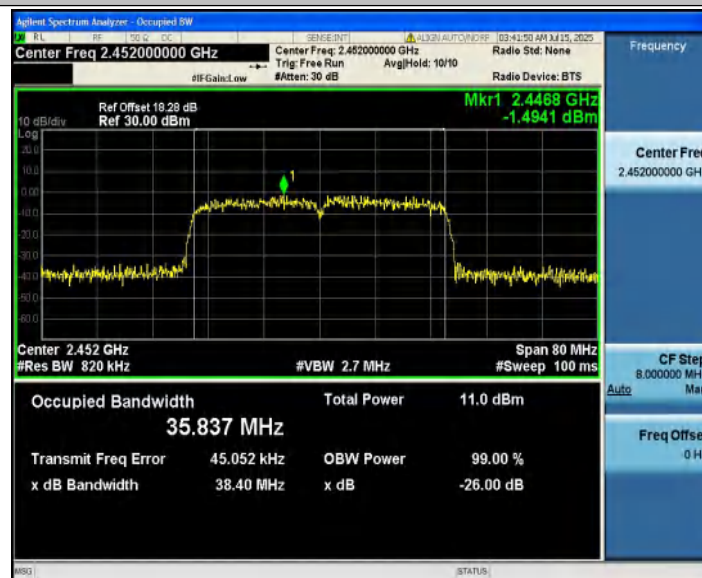
11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode  | Antenna | Channel | Set Power | Peak Power[dBm] | Conducted Limit[dBm] |
|-----------|---------|---------|-----------|-----------------|----------------------|
| 11B       | Ant1    | 2412    | ---       | 11.17           | ≤30.00               |
|           |         | 2437    | ---       | 11.53           | ≤30.00               |
|           |         | 2462    | ---       | 11.78           | ≤30.00               |
| 11G       | Ant1    | 2412    | ---       | 14.44           | ≤30.00               |
|           |         | 2437    | ---       | 15.13           | ≤30.00               |
|           |         | 2462    | ---       | 15.23           | ≤30.00               |
| 11N20SISO | Ant1    | 2412    | ---       | 14.23           | ≤30.00               |
|           |         | 2437    | ---       | 15.08           | ≤30.00               |
|           |         | 2462    | ---       | 15.08           | ≤30.00               |
| 11N40SISO | Ant1    | 2422    | ---       | 14.70           | ≤30.00               |
|           |         | 2437    | ---       | 15.05           | ≤30.00               |
|           |         | 2452    | ---       | 15.10           | ≤30.00               |

## Appendix D: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -11.55               | ≤8.00           | PASS    |
|           |         | 2437    | -13.65               | ≤8.00           | PASS    |
|           |         | 2462    | -12.01               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412    | -17.74               | ≤8.00           | PASS    |
|           |         | 2437    | -17.09               | ≤8.00           | PASS    |
|           |         | 2462    | -16.19               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412    | -17.88               | ≤8.00           | PASS    |
|           |         | 2437    | -16.51               | ≤8.00           | PASS    |
|           |         | 2462    | -15.99               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422    | -20.78               | ≤8.00           | PASS    |
|           |         | 2437    | -20.55               | ≤8.00           | PASS    |
|           |         | 2452    | -20.40               | ≤8.00           | PASS    |

## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



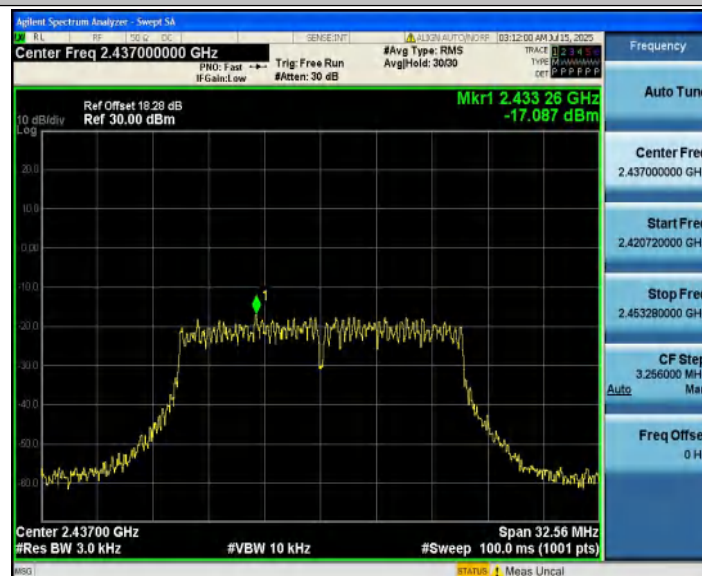
11B\_Ant1\_2462



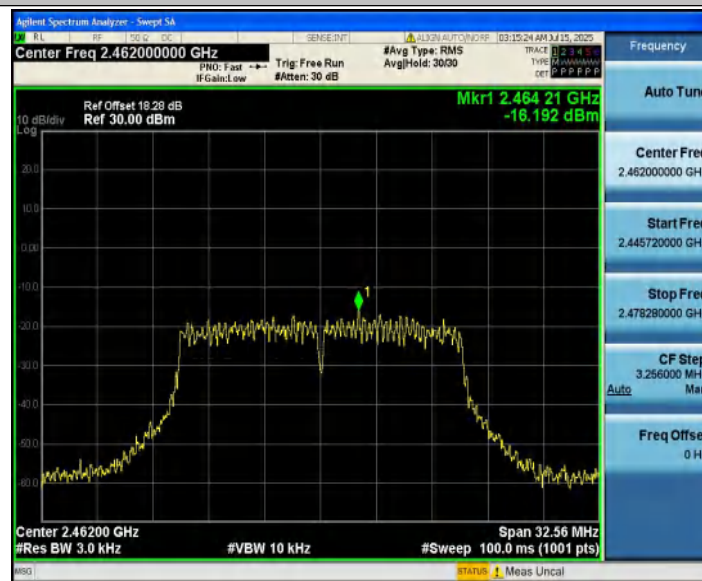
11G\_Ant1\_2412



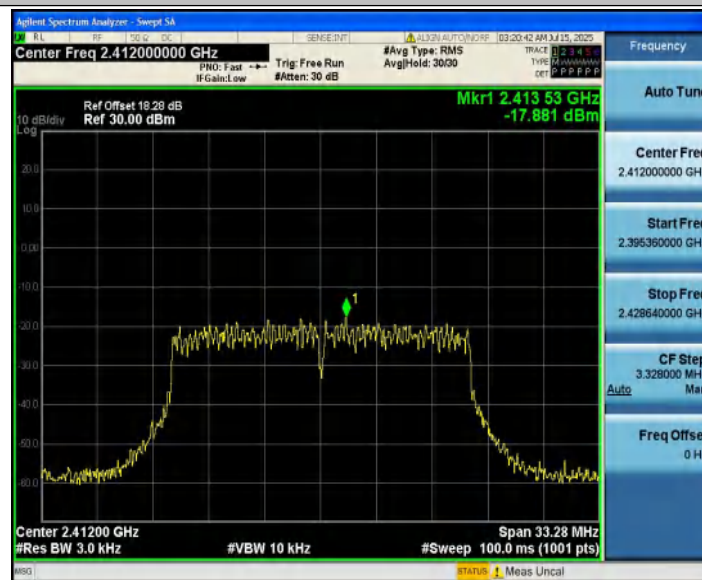
11G\_Ant1\_2437



11G\_Ant1\_2462



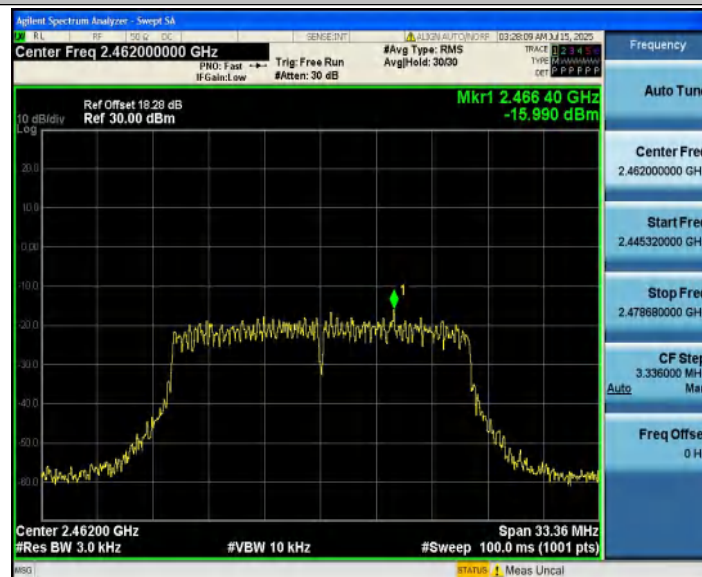
11N20SISO\_Ant1\_2412



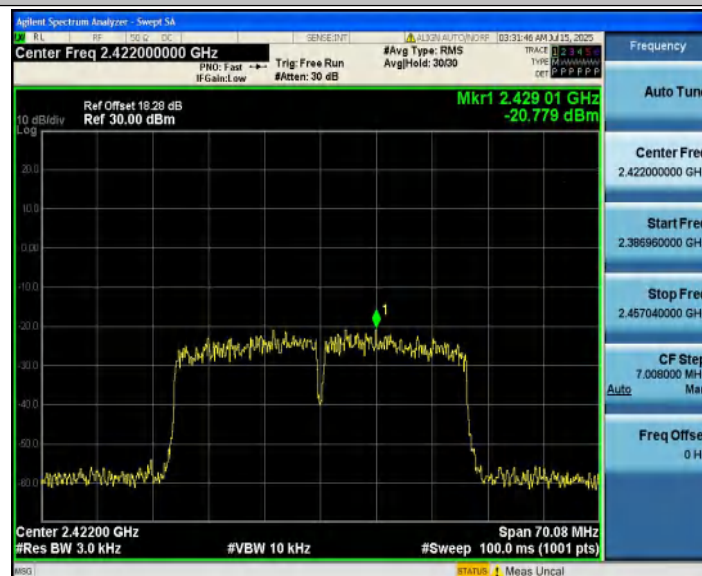
11N20SISO\_Ant1\_2437



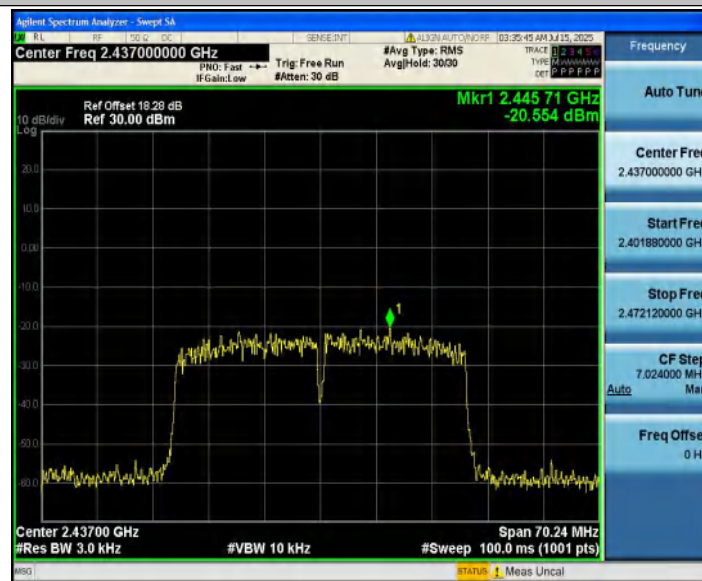
11N20SISO\_Ant1\_2462



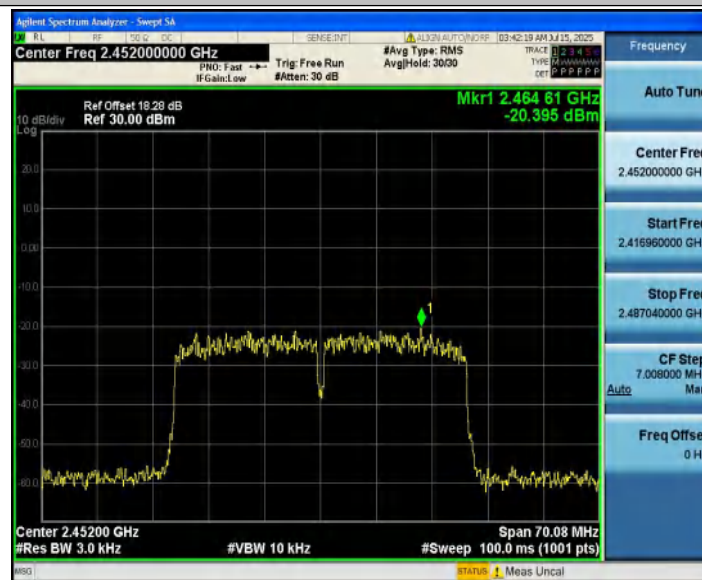
11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



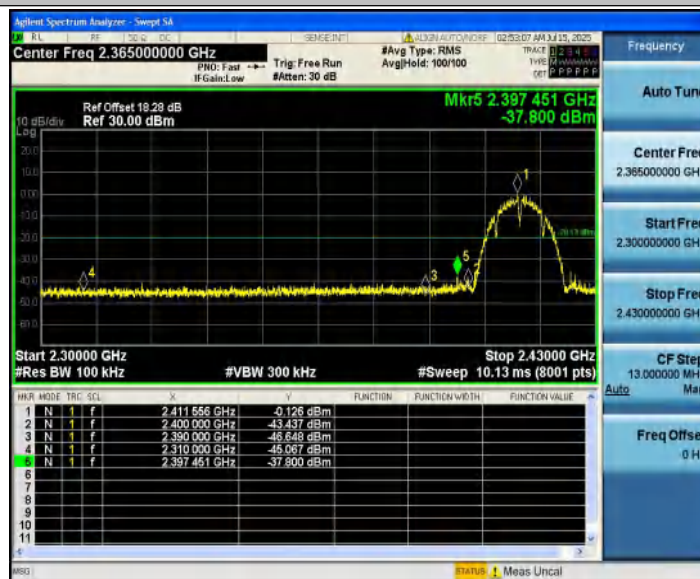
## Appendix E: Band edge measurements

### Test Result

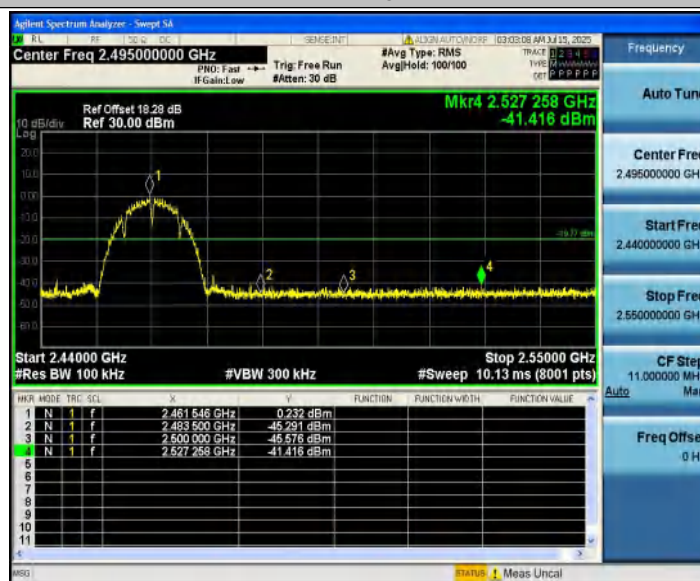
| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|---------|---------------|-------------|---------------|---------|
| 11B       | Ant1    | Low    | 2412    | -0.13         | -37.80      | $\leq -20.13$ | PASS    |
|           |         | High   | 2462    | 0.23          | -41.42      | $\leq -19.77$ | PASS    |
| 11G       | Ant1    | Low    | 2412    | -5.54         | -40.49      | $\leq -25.54$ | PASS    |
|           |         | High   | 2462    | -4.15         | -41.63      | $\leq -24.15$ | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | -4.67         | -39.46      | $\leq -24.67$ | PASS    |
|           |         | High   | 2462    | -4.25         | -40.52      | $\leq -24.25$ | PASS    |
| 11N40SISO | Ant1    | Low    | 2422    | -7.18         | -40.08      | $\leq -27.18$ | PASS    |
|           |         | High   | 2452    | -6.56         | -41.29      | $\leq -26.56$ | PASS    |

## Test Graphs

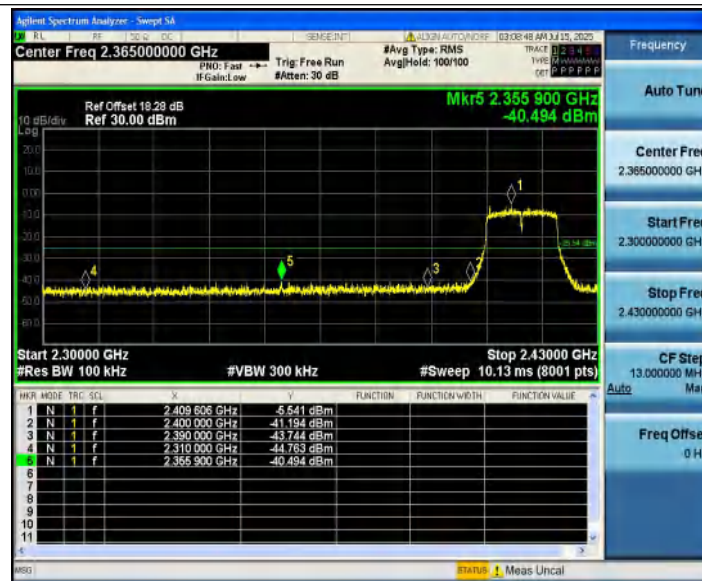
11B\_Ant1\_Low\_2412



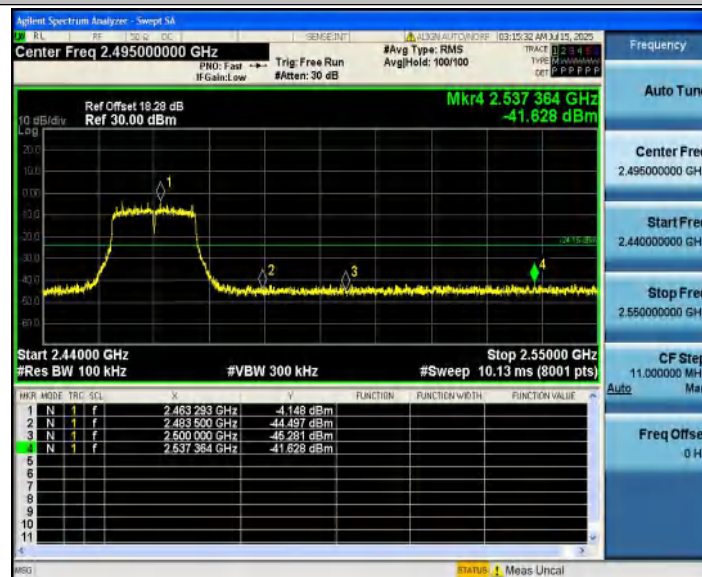
11B\_Ant1\_High\_2462



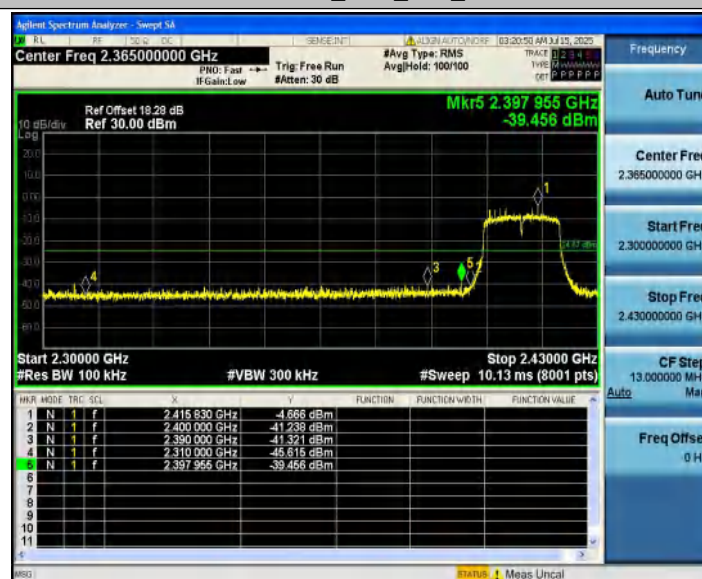
11G\_Ant1\_Low\_2412



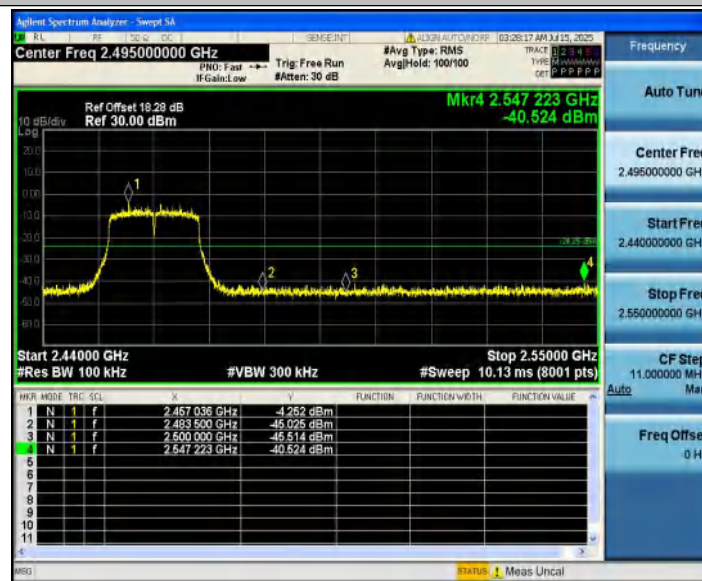
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



## 11N20SISO\_Ant1\_High\_2462



## 11N40SISO\_Ant1\_Low\_2422



## 11N40SISO\_Ant1\_High\_2452



## Appendix F: Conducted Spurious Emission

### Test Result

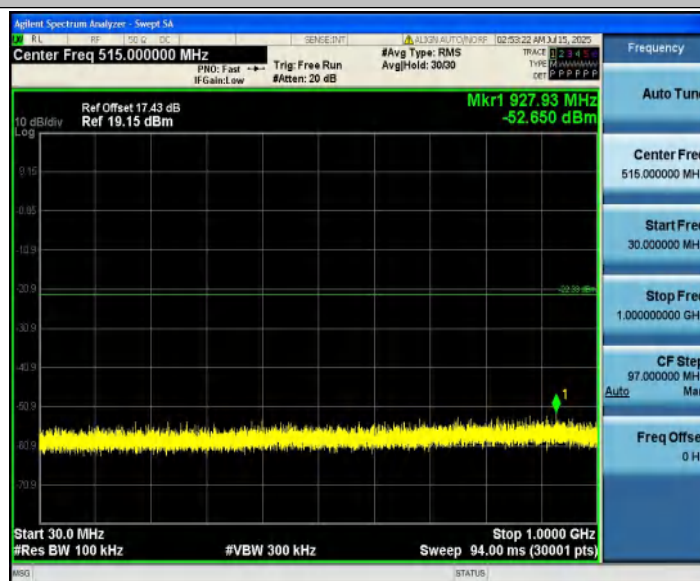
| TestMode | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| 11B      | Ant1    | 2412    | Reference          | -2.33             | -2.33           | ---            | PASS    |
|          |         |         | 30~1000            | -2.33             | -52.65          | ≤-22.33        | PASS    |
|          |         |         | 1000~26500         | -2.33             | -38.64          | ≤-22.33        | PASS    |
|          |         |         | 30~1000            | -1.92             | -53.18          | ≤-21.92        | PASS    |
|          |         |         | 1000~26500         | -1.92             | -39.03          | ≤-21.92        | PASS    |
|          |         |         | 30~1000            | -1.32             | -53.37          | ≤-21.32        | PASS    |
|          |         |         | 1000~26500         | -1.32             | -38.95          | ≤-21.32        | PASS    |
|          |         |         | 30~1000            | -5.93             | -52.89          | ≤-25.93        | PASS    |
|          |         |         | 1000~26500         | -5.93             | -38.75          | ≤-25.93        | PASS    |
|          |         |         | 30~1000            | -5.95             | -53.35          | ≤-25.95        | PASS    |
|          |         |         | 1000~26500         | -5.95             | -38.88          | ≤-25.95        | PASS    |
|          |         |         | 30~1000            | -6.83             | -53.31          | ≤-26.83        | PASS    |
|          |         |         | 1000~26500         | -6.83             | -39.1           | ≤-26.83        | PASS    |
|          |         |         | 30~1000            | -4.71             | -52.85          | ≤-24.71        | PASS    |
|          |         |         | 1000~26500         | -4.71             | -38.59          | ≤-24.71        | PASS    |
|          |         |         | 30~1000            | -5.30             | -52.74          | ≤-25.3         | PASS    |
|          |         |         | 1000~26500         | -5.30             | -38.6           | ≤-25.3         | PASS    |
|          |         |         | 30~1000            | -7.66             | -53.22          | ≤-27.66        | PASS    |
|          |         |         | 1000~26500         | -7.66             | -38.25          | ≤-27.66        | PASS    |
|          |         |         | 30~1000            | -7.54             | -53.02          | ≤-27.54        | PASS    |
|          |         |         | 1000~26500         | -7.54             | -38.48          | ≤-27.54        | PASS    |
|          |         |         | 30~1000            | -8.05             | -53.51          | ≤-28.05        | PASS    |
|          |         |         | 1000~26500         | -8.05             | -37.95          | ≤-28.05        | PASS    |
|          |         |         | 30~1000            | -7.59             | -53.05          | ≤-27.59        | PASS    |
|          |         |         | 1000~26500         | -7.59             | -38.32          | ≤-27.59        | PASS    |

## Test Graphs

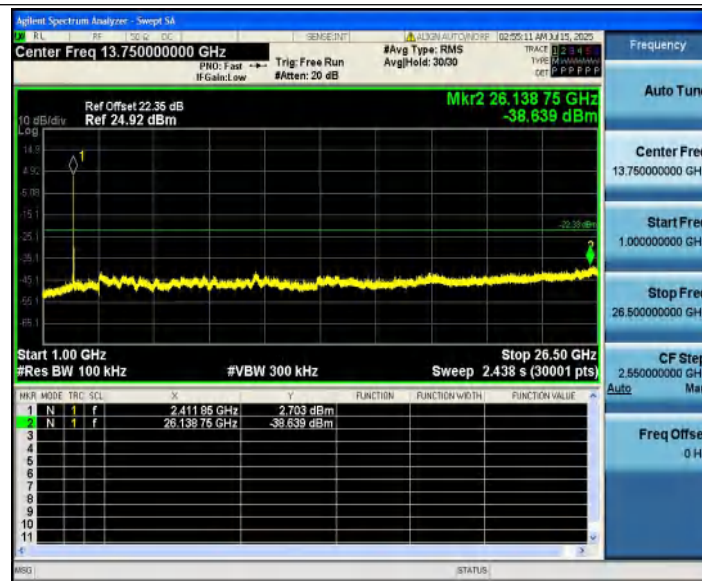
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



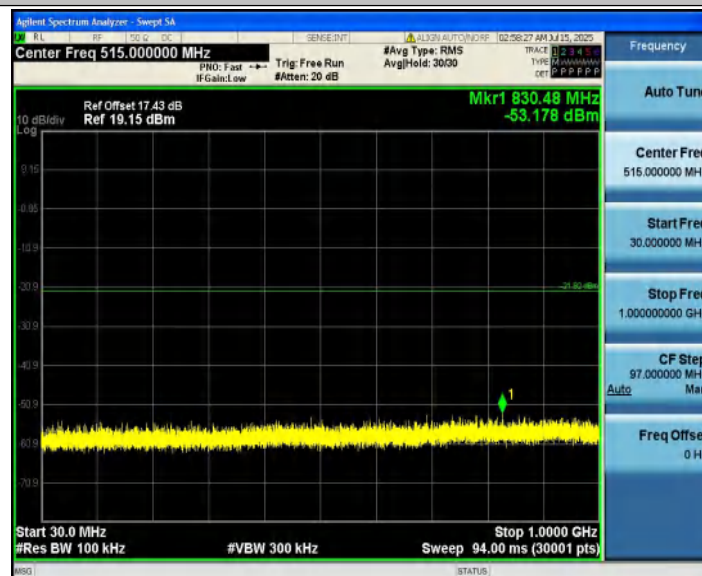
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



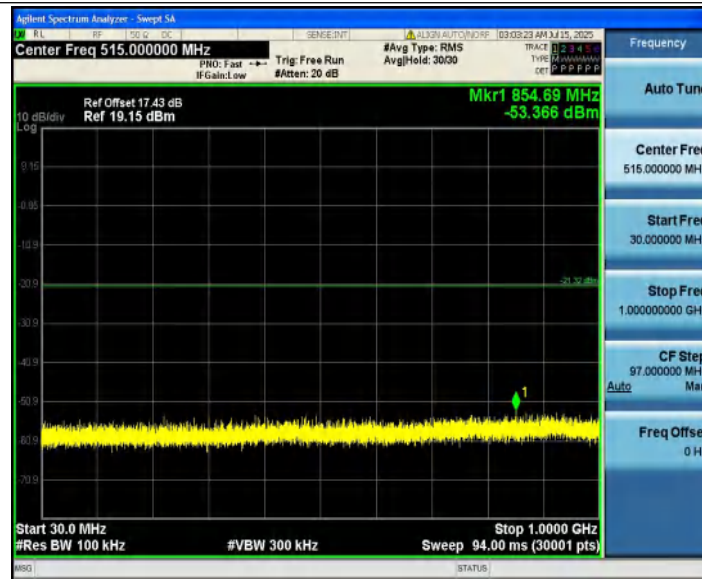
## 11B\_Ant1\_2437\_1000~26500



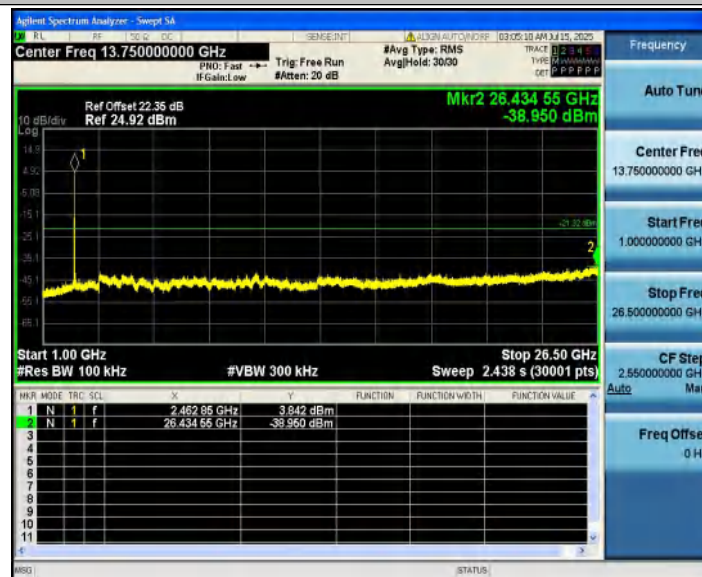
## 11B\_Ant1\_2462\_0~Reference



## 11B\_Ant1\_2462\_30~1000



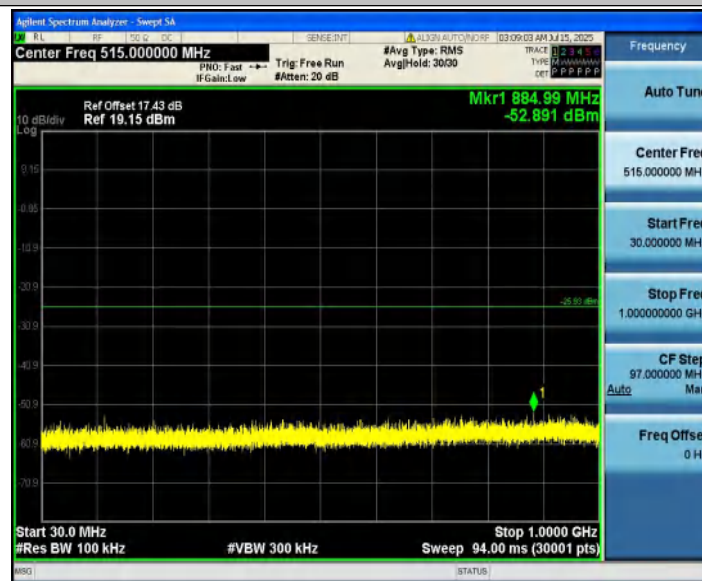
11B\_Ant1\_2462\_1000~26500



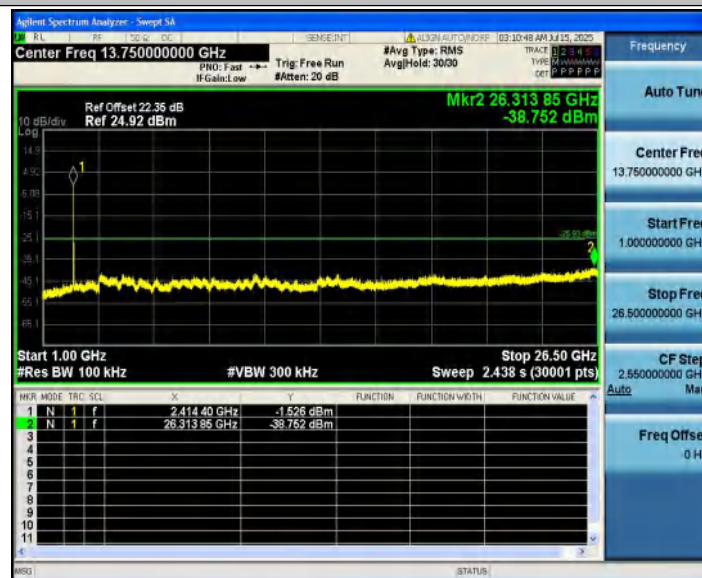
11G\_Ant1\_2412\_0~Reference



## 11G\_Ant1\_2412\_30~1000



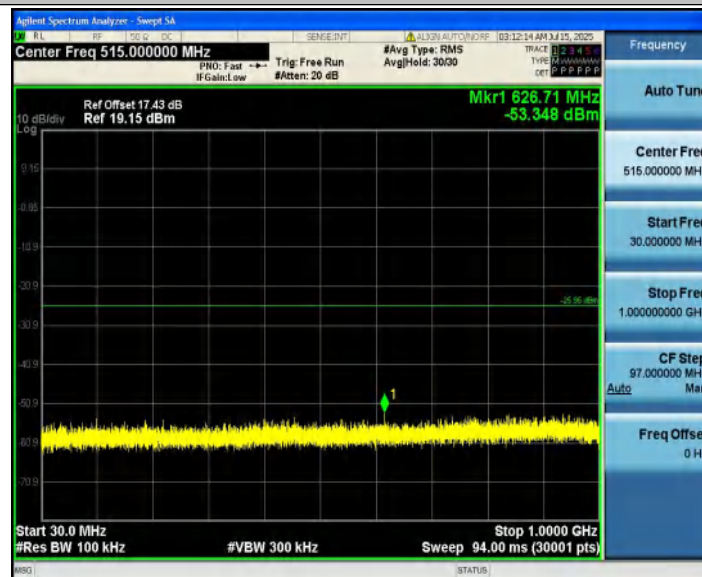
## 11G\_Ant1\_2412\_1000~26500



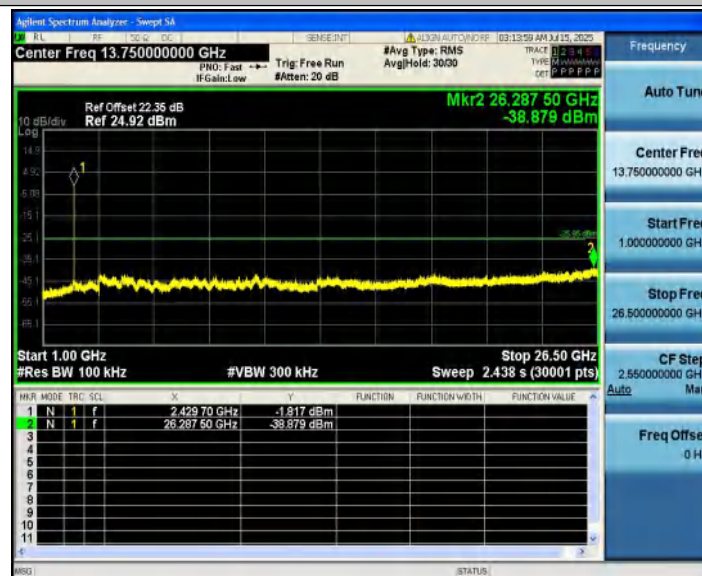
## 11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000



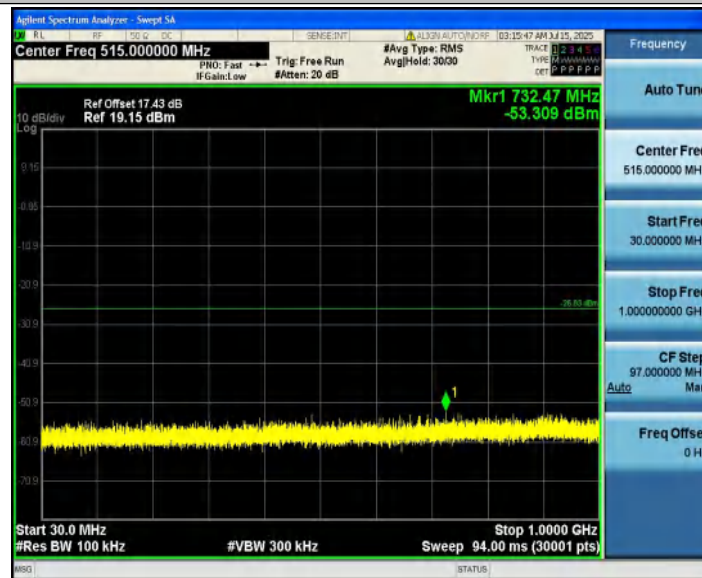
11G\_Ant1\_2437\_1000~26500



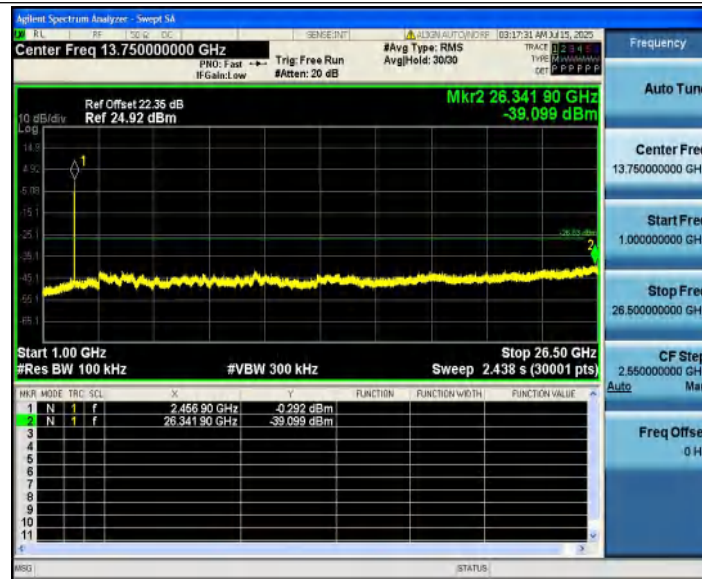
## 11G\_Ant1\_2462\_0~Reference



## 11G\_Ant1\_2462\_30~1000



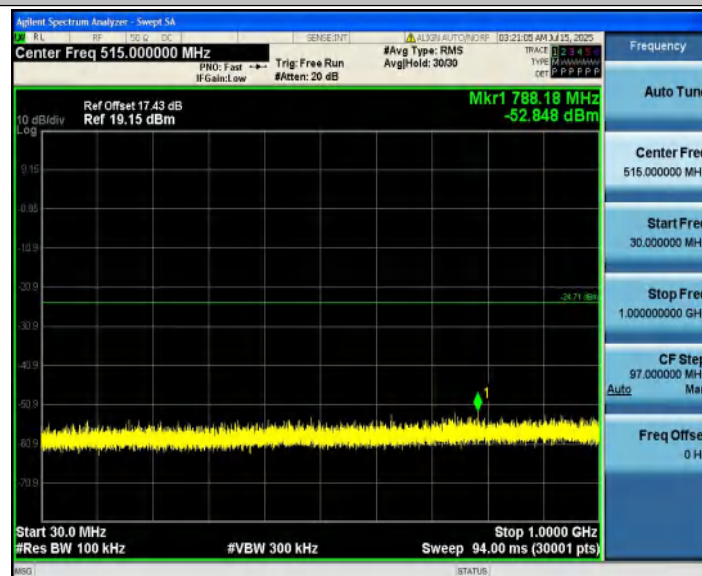
## 11G\_Ant1\_2462\_1000~26500



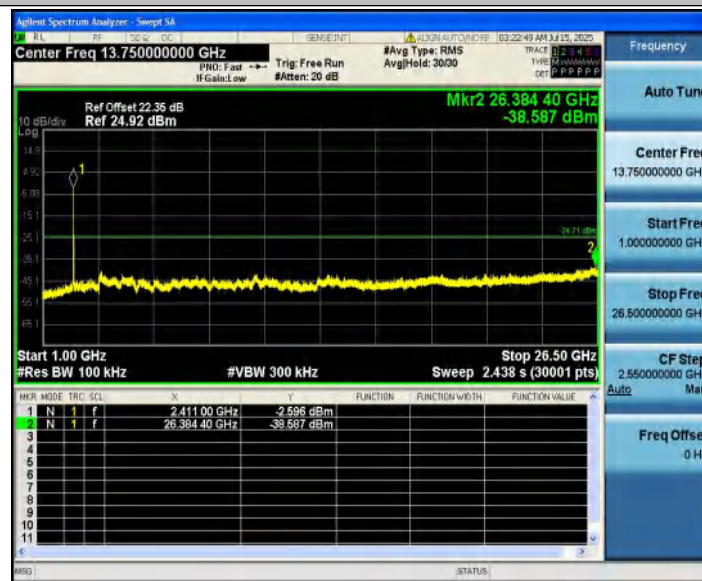
11N20SISO\_Ant1\_2412\_0~Reference



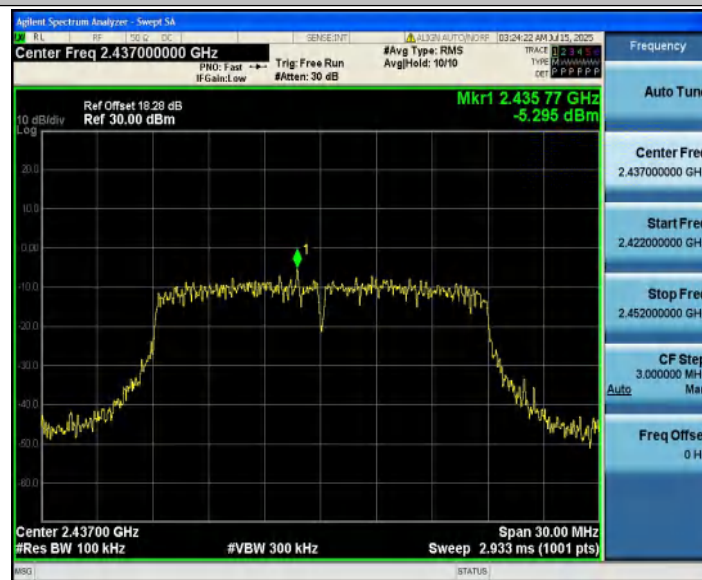
11N20SISO\_Ant1\_2412\_30~1000



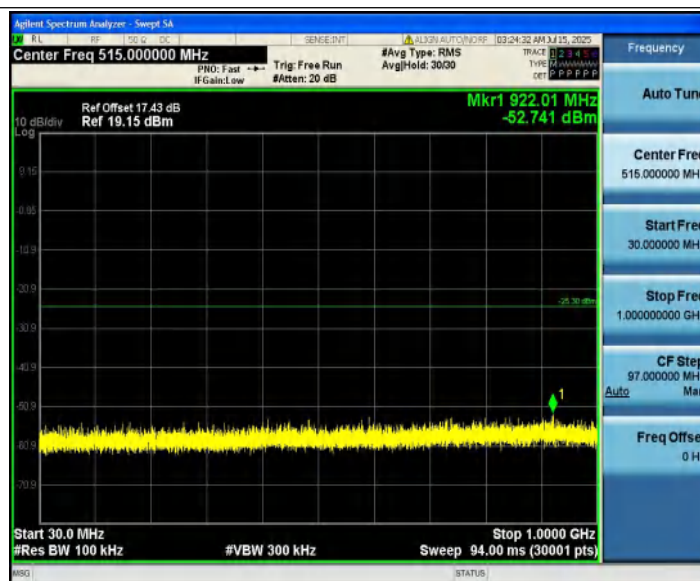
## 11N20SISO\_Ant1\_2412\_1000~26500



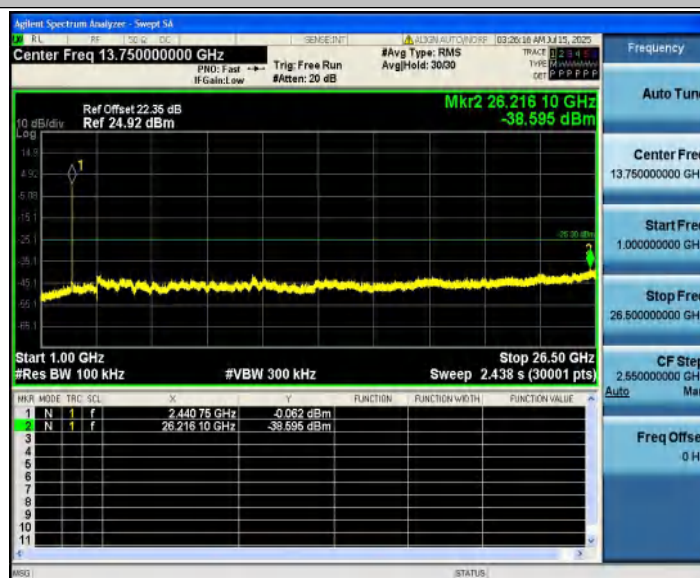
## 11N20SISO\_Ant1\_2437\_0~Reference



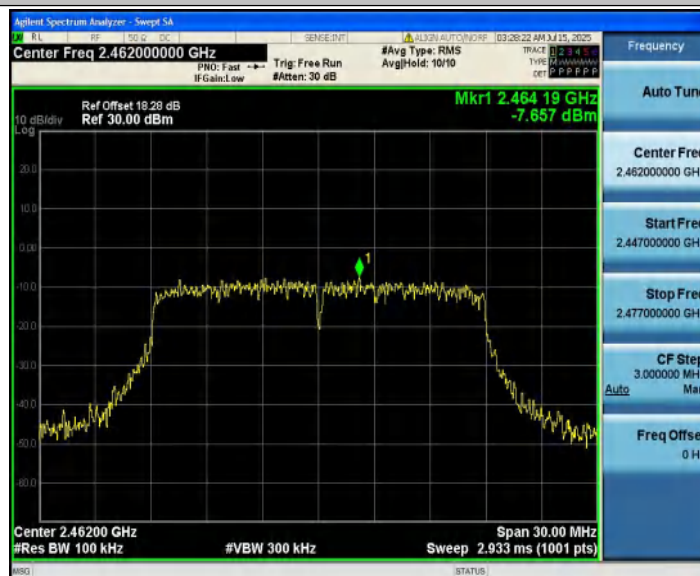
## 11N20SISO\_Ant1\_2437\_30~1000



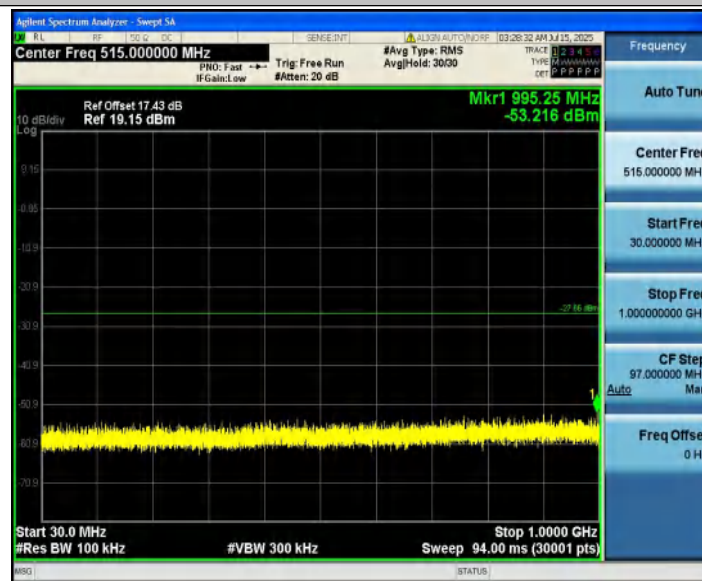
11N20SISO\_Ant1\_2437\_1000~26500



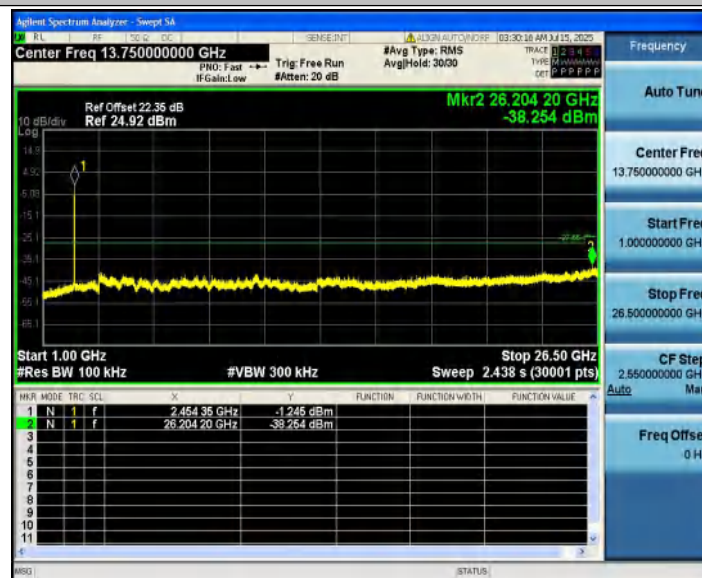
11N20SISO\_Ant1\_2462\_0~Reference



## 11N20SISO\_Ant1\_2462\_30~1000



## 11N20SISO\_Ant1\_2462\_1000~26500



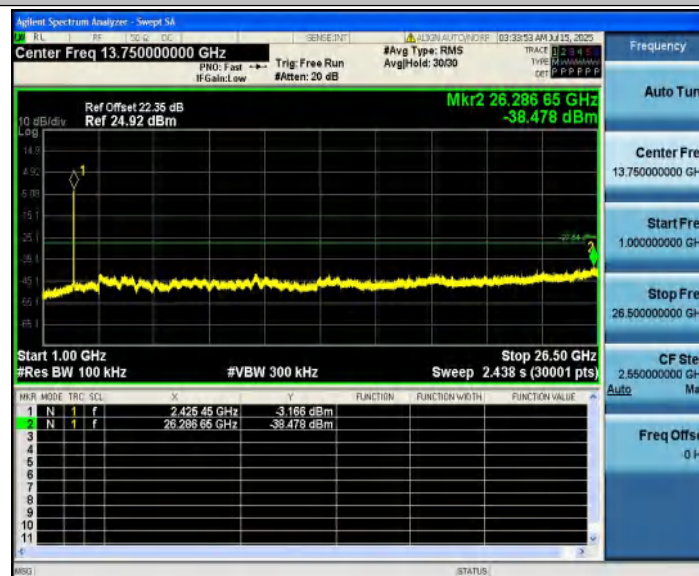
## 11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000



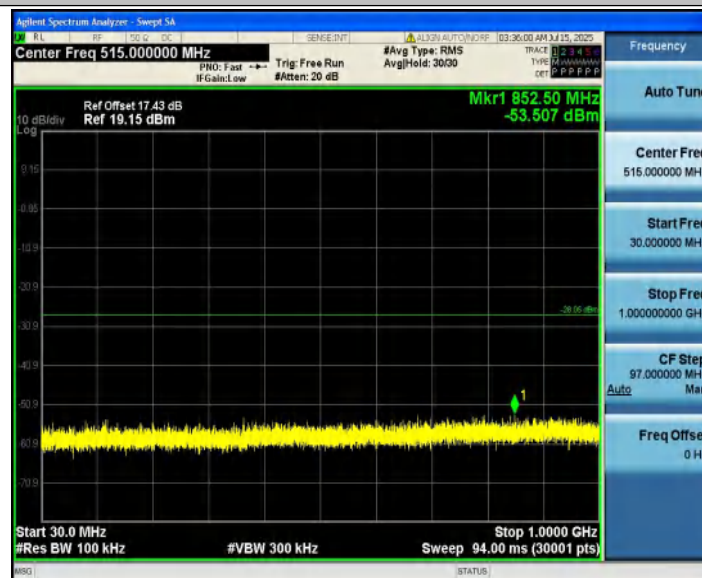
11N40SISO\_Ant1\_2422\_1000~26500



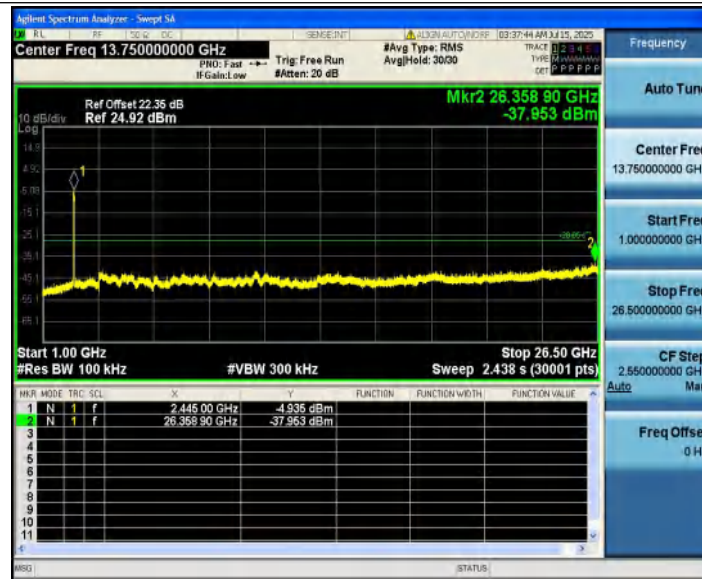
## 11N40SISO\_Ant1\_2437\_0~Reference



## 11N40SISO\_Ant1\_2437\_30~1000



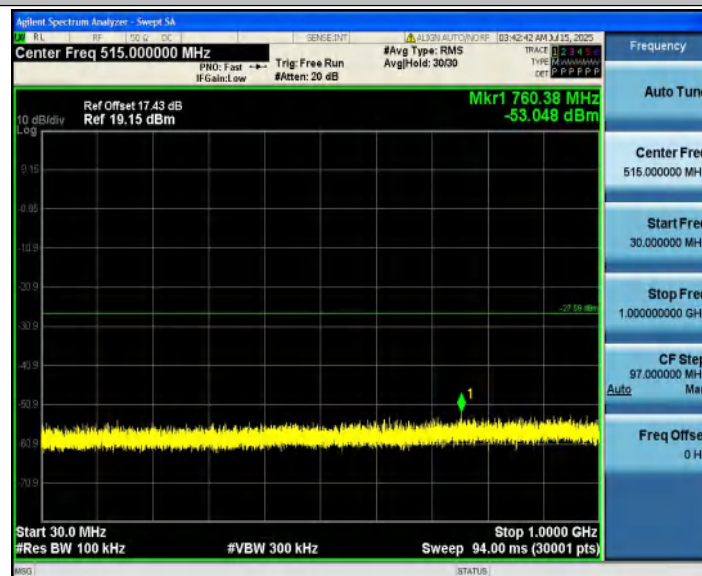
## 11N40SISO\_Ant1\_2437\_1000~26500



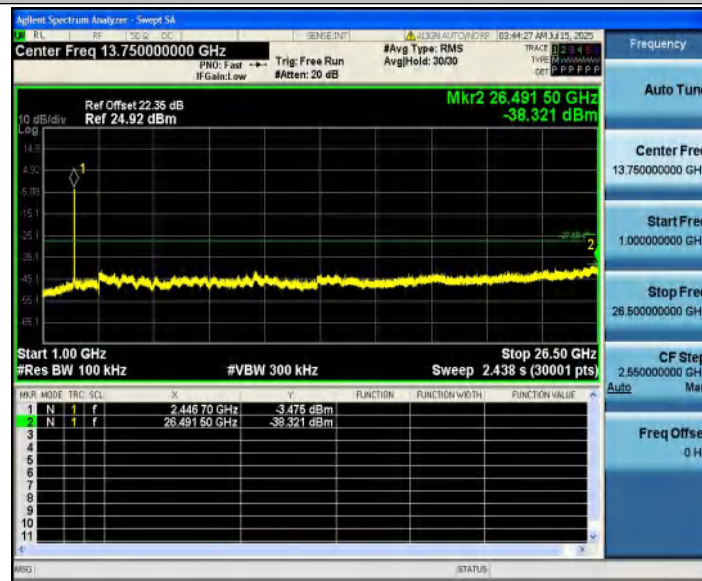
11N40ISO\_Ant1\_2452\_0~Reference



11N40ISO\_Ant1\_2452\_30~1000



## 11N40SISO\_Ant1\_2452\_1000~26500



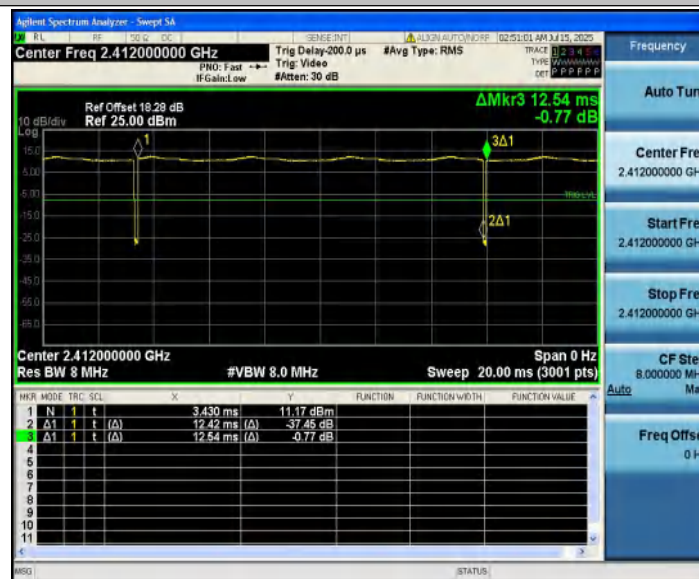
## Appendix G: Duty Cycle

### Test Result

| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11B       | Ant1    | 2412    | 12.42                      | 12.54                    | 99.04          | ---   | ---     |
|           |         | 2437    | 12.42                      | 12.55                    | 98.96          | ---   | ---     |
|           |         | 2462    | 12.42                      | 12.55                    | 98.96          | ---   | ---     |
| 11G       | Ant1    | 2412    | 2.07                       | 2.20                     | 94.09          | ---   | ---     |
|           |         | 2437    | 2.06                       | 2.19                     | 94.06          | ---   | ---     |
|           |         | 2462    | 2.07                       | 2.20                     | 94.09          | ---   | ---     |
| 11N20SISO | Ant1    | 2412    | 1.92                       | 2.05                     | 93.66          | ---   | ---     |
|           |         | 2437    | 1.92                       | 2.05                     | 93.66          | ---   | ---     |
|           |         | 2462    | 1.92                       | 2.05                     | 93.66          | ---   | ---     |
| 11N40SISO | Ant1    | 2422    | 0.94                       | 1.07                     | 87.85          | ---   | ---     |
|           |         | 2437    | 0.94                       | 1.07                     | 87.85          | ---   | ---     |
|           |         | 2452    | 0.94                       | 1.07                     | 87.85          | ---   | ---     |

## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



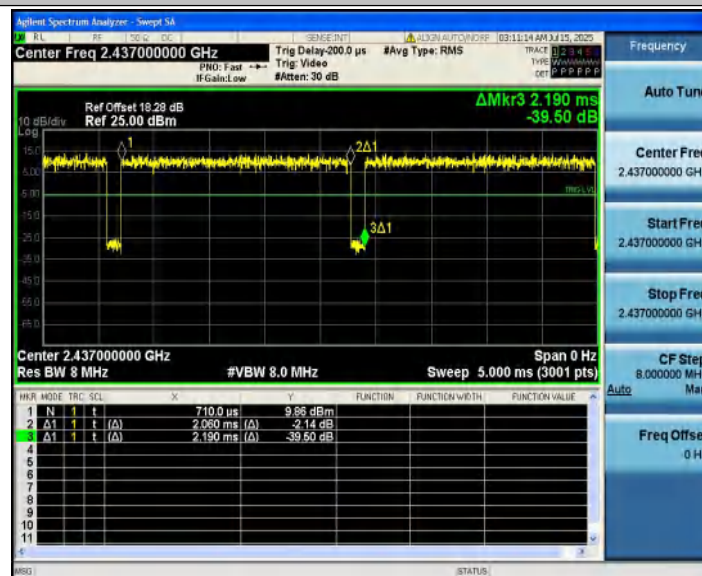
11B\_Ant1\_2462



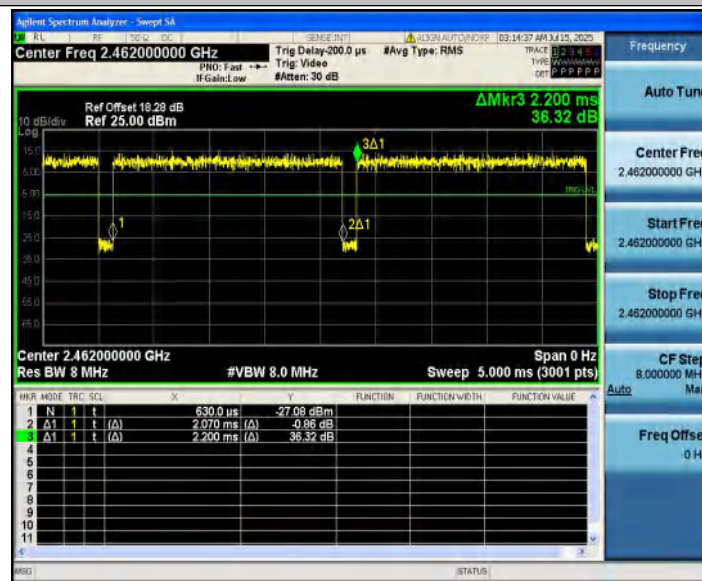
11G\_Ant1\_2412



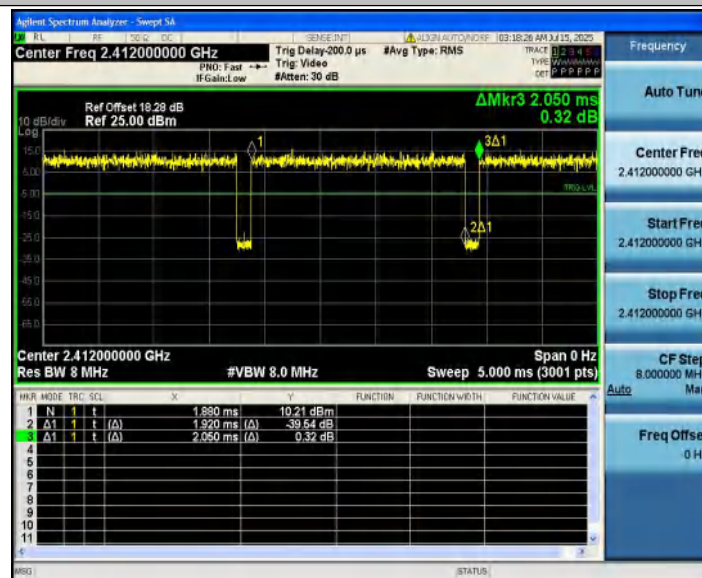
11G\_Ant1\_2437



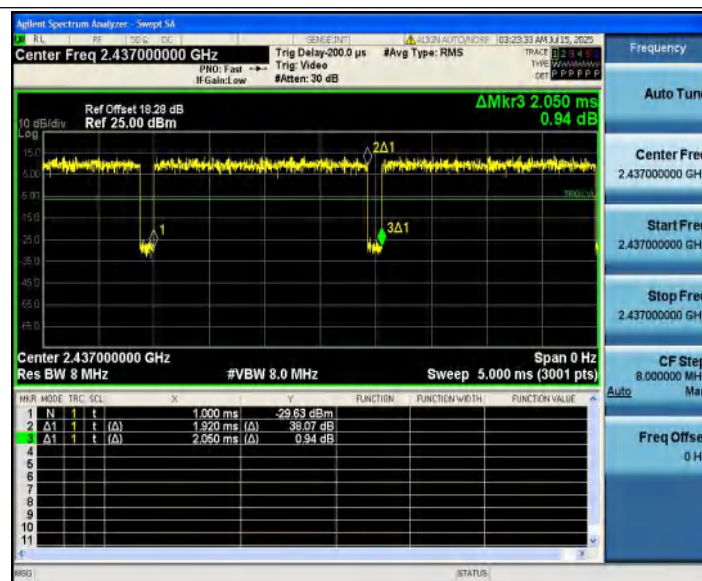
## 11G\_Ant1\_2462



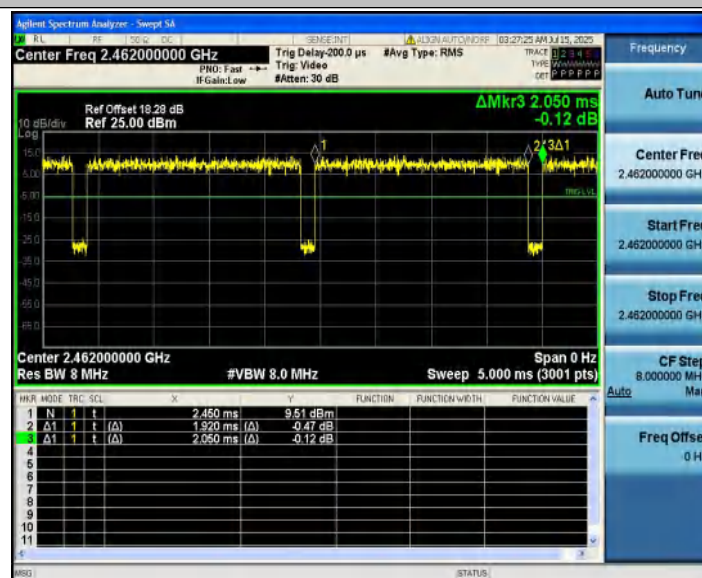
## 11N20SISO\_Ant1\_2412



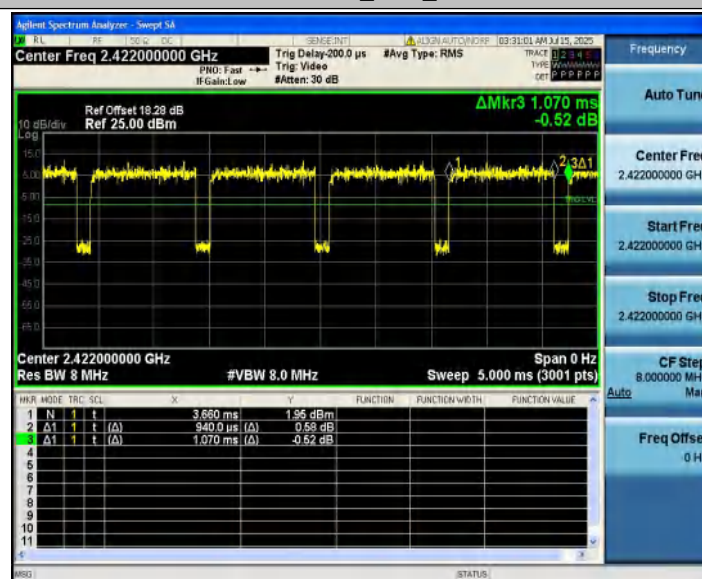
## 11N20SISO\_Ant1\_2437



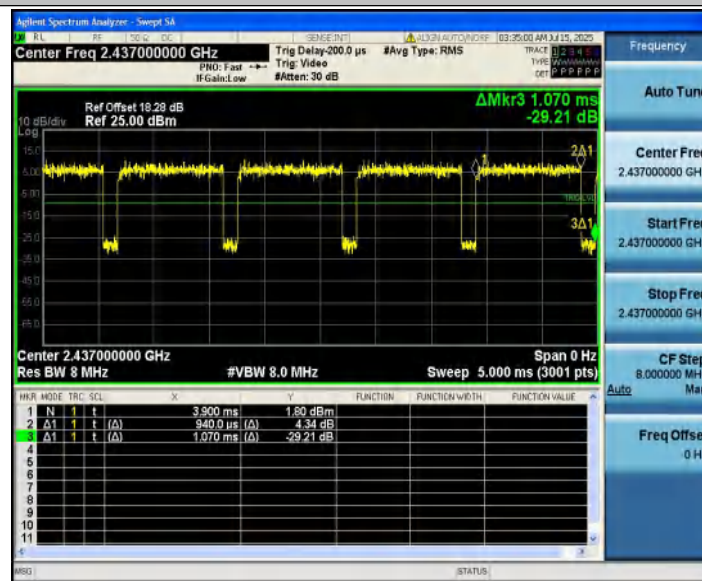
11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422



## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452

