



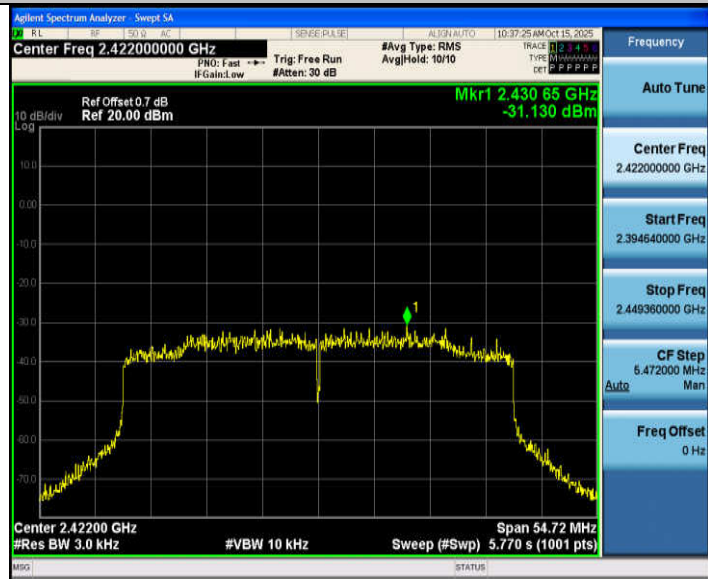
11AX20SISO\_Ant1\_2437



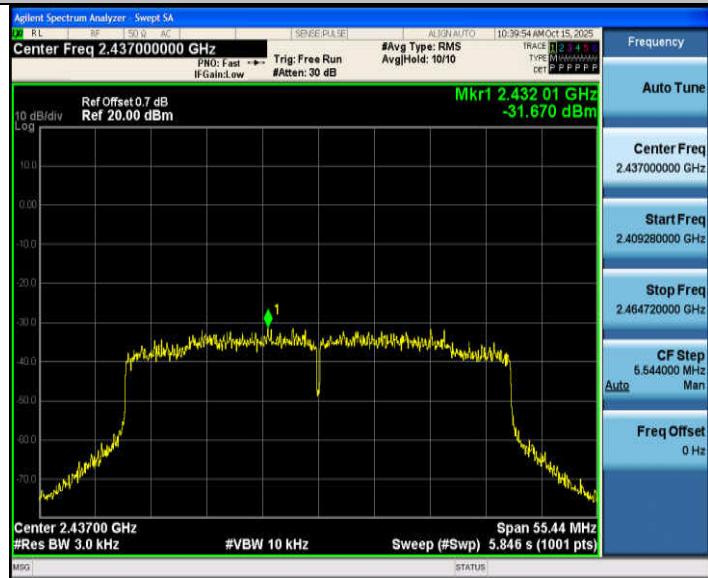
11AX20SISO\_Ant1\_2462



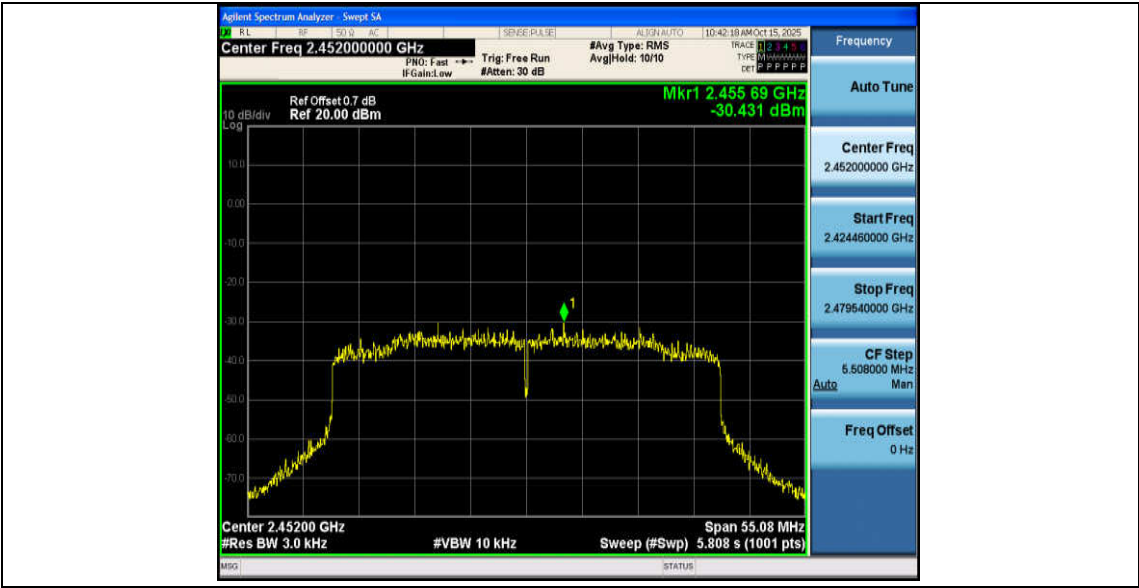
11AX40SISO\_Ant1\_2422



11AX40SISO\_Ant1\_2437



11AX40SISO\_Ant1\_2452



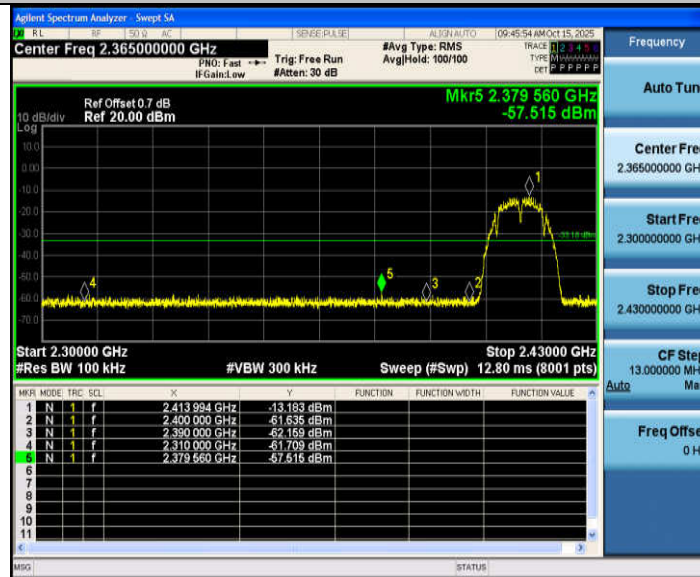
## Appendix E: Band edge measurements

### Test Result

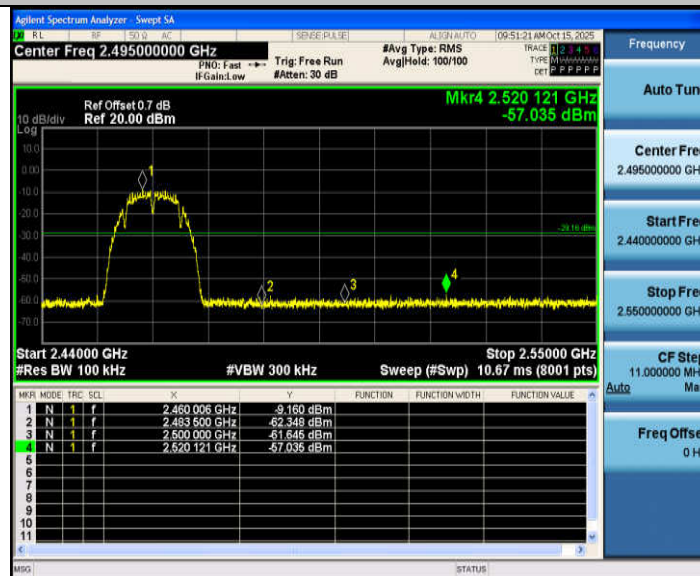
| TestMode   | Antenna | Channel | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|---------|----------------|---------------|-------------|------------|---------|
| 11B        | Ant1    | Low     | 2412           | -13.18        | -57.52      | ≤-33.18    | PASS    |
|            |         | High    | 2462           | -9.16         | -57.04      | ≤-29.16    | PASS    |
| 11G        | Ant1    | Low     | 2412           | -12.18        | -43.2       | ≤-32.18    | PASS    |
|            |         | High    | 2462           | -12.38        | -57.59      | ≤-32.38    | PASS    |
| 11N20SISO  | Ant1    | Low     | 2412           | -12.20        | -42.08      | ≤-32.2     | PASS    |
|            |         | High    | 2462           | -12.45        | -56.2       | ≤-32.45    | PASS    |
| 11N40SISO  | Ant1    | Low     | 2422           | -15.36        | -48.19      | ≤-35.36    | PASS    |
|            |         | High    | 2452           | -15.26        | -57.47      | ≤-35.26    | PASS    |
| 11AX20SISO | Ant1    | Low     | 2412           | -12.35        | -41.37      | ≤-32.35    | PASS    |
|            |         | High    | 2462           | -12.53        | -57.95      | ≤-32.53    | PASS    |
| 11AX40SISO | Ant1    | Low     | 2422           | -15.55        | -45.63      | ≤-35.55    | PASS    |
|            |         | High    | 2452           | -15.54        | -58.1       | ≤-35.54    | PASS    |

## Test Graphs

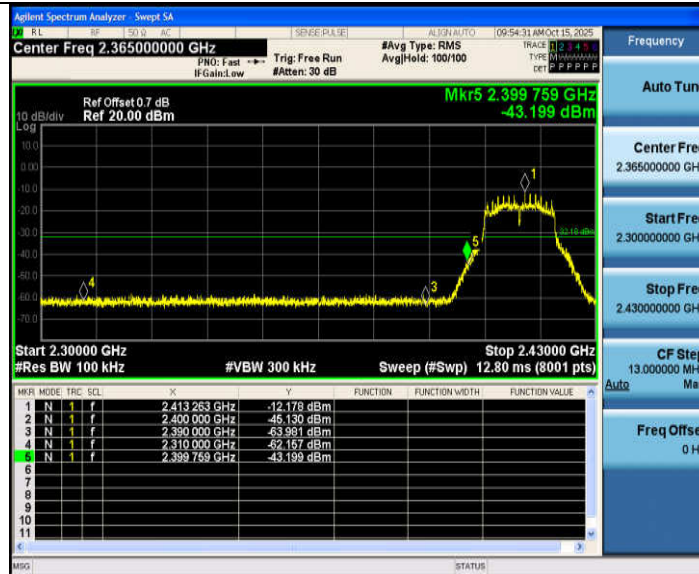
11B\_Ant1\_Low\_2412



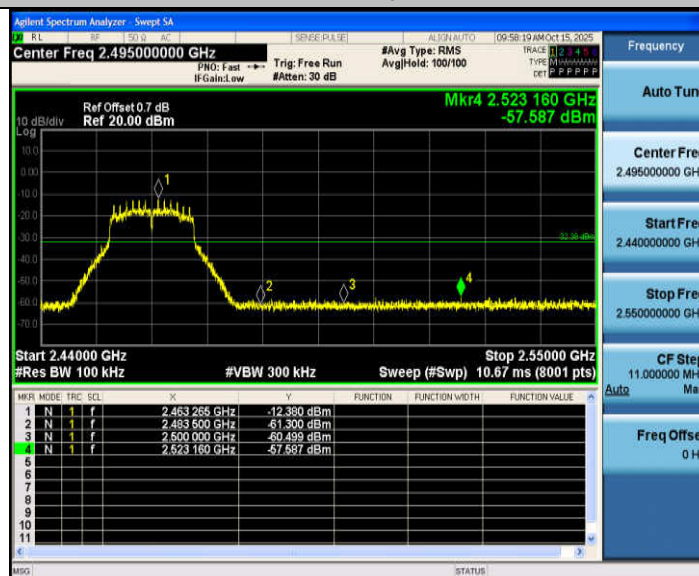
11B\_Ant1\_High\_2462



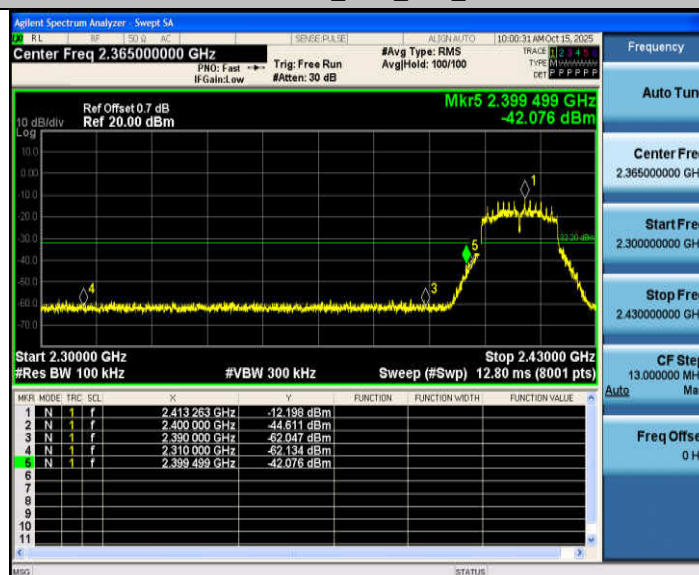
11G\_Ant1\_Low\_2412



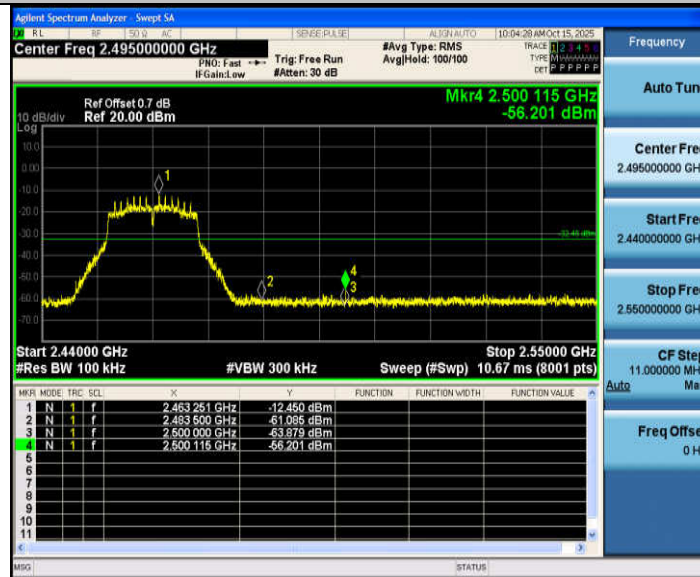
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



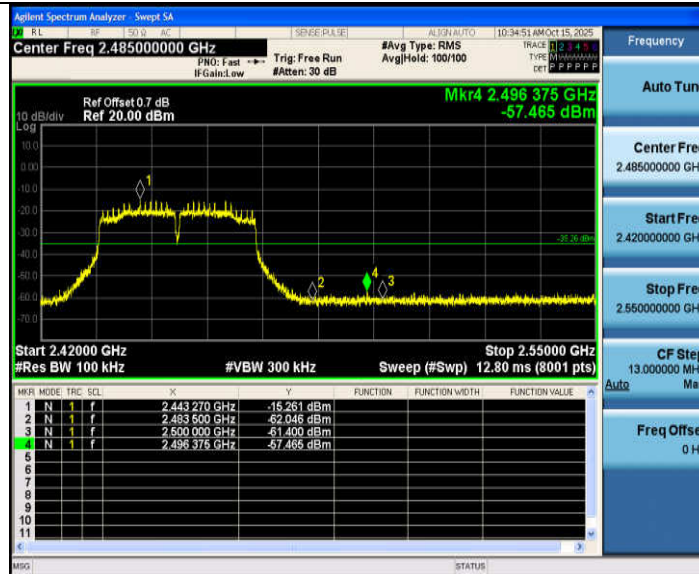
# 11N20SISO\_Ant1\_High\_2462



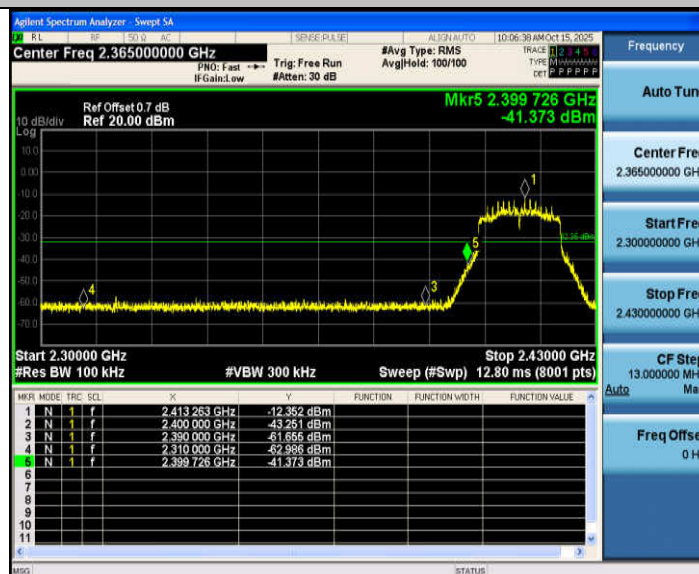
# 11N40SISO\_Ant1\_Low\_2422



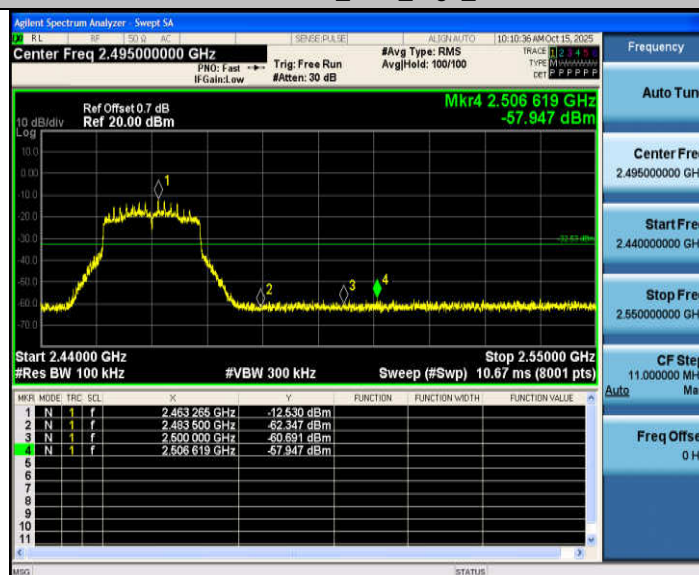
# 11N40SISO\_Ant1\_High\_2452



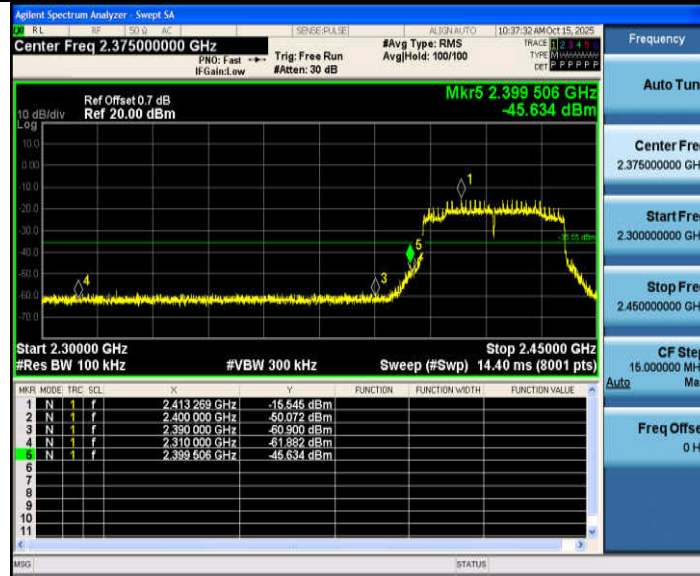
11AX20SISO\_Ant1\_Low\_2412



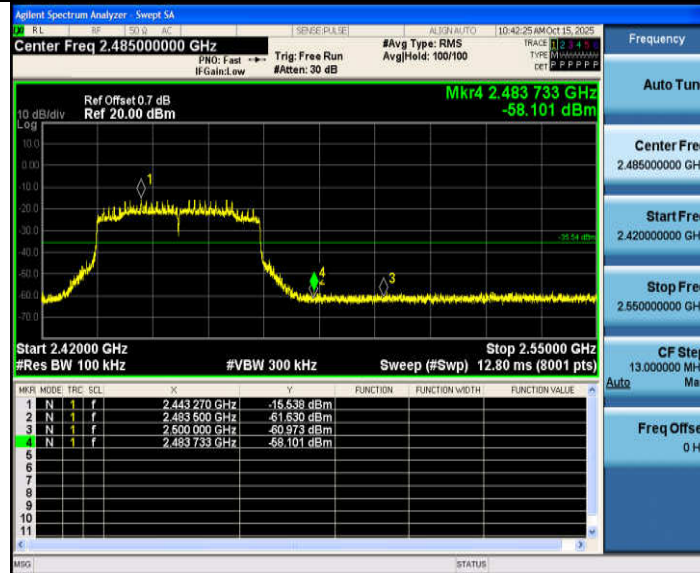
11AX20SISO\_Ant1\_High\_2462



# 11AX40SISO\_Ant1\_Low\_2422



# 11AX40SISO\_Ant1\_High\_2452



## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode   | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 11B        | Ant1    | 2412           | Reference       | -13.39         | -13.39       | ---         | PASS    |
|            |         |                | 30~1000         | -13.39         | -67.34       | ≤-33.39     | PASS    |
|            |         |                | 1000~26500      | -13.39         | -54.94       | ≤-33.39     | PASS    |
|            |         | 2437           | Reference       | -8.87          | -8.87        | ---         | PASS    |
|            |         |                | 30~1000         | -8.87          | -67.29       | ≤-28.87     | PASS    |
|            |         |                | 1000~26500      | -8.87          | -54.2        | ≤-28.87     | PASS    |
|            |         | 2462           | Reference       | -10.96         | -10.96       | ---         | PASS    |
|            |         |                | 30~1000         | -10.96         | -66.39       | ≤-30.96     | PASS    |
|            |         |                | 1000~26500      | -10.96         | -54.27       | ≤-30.96     | PASS    |
| 11G        | Ant1    | 2412           | Reference       | -13.11         | -13.11       | ---         | PASS    |
|            |         |                | 30~1000         | -13.11         | -67.51       | ≤-33.11     | PASS    |
|            |         |                | 1000~26500      | -13.11         | -54.38       | ≤-33.11     | PASS    |
|            |         | 2437           | Reference       | -12.23         | -12.23       | ---         | PASS    |
|            |         |                | 30~1000         | -12.23         | -66.82       | ≤-32.23     | PASS    |
|            |         |                | 1000~26500      | -12.23         | -53.85       | ≤-32.23     | PASS    |
|            |         | 2462           | Reference       | -12.61         | -12.61       | ---         | PASS    |
|            |         |                | 30~1000         | -12.61         | -67.45       | ≤-32.61     | PASS    |
|            |         |                | 1000~26500      | -12.61         | -54.39       | ≤-32.61     | PASS    |
| 11N20SISO  | Ant1    | 2412           | Reference       | -13.16         | -13.16       | ---         | PASS    |
|            |         |                | 30~1000         | -13.16         | -67.5        | ≤-33.16     | PASS    |
|            |         |                | 1000~26500      | -13.16         | -54.79       | ≤-33.16     | PASS    |
|            |         | 2437           | Reference       | -12.20         | -12.20       | ---         | PASS    |
|            |         |                | 30~1000         | -12.20         | -67.44       | ≤-32.2      | PASS    |
|            |         |                | 1000~26500      | -12.20         | -54.6        | ≤-32.2      | PASS    |
|            |         | 2462           | Reference       | -12.78         | -12.78       | ---         | PASS    |
|            |         |                | 30~1000         | -12.78         | -67.47       | ≤-32.78     | PASS    |
|            |         |                | 1000~26500      | -12.78         | -54.65       | ≤-32.78     | PASS    |
| 11N40SISO  | Ant1    | 2422           | Reference       | -15.50         | -15.50       | ---         | PASS    |
|            |         |                | 30~1000         | -15.50         | -67.25       | ≤-35.5      | PASS    |
|            |         |                | 1000~26500      | -15.50         | -54.63       | ≤-35.5      | PASS    |
|            |         | 2437           | Reference       | -15.99         | -15.99       | ---         | PASS    |
|            |         |                | 30~1000         | -15.99         | -67.5        | ≤-35.99     | PASS    |
|            |         |                | 1000~26500      | -15.99         | -54.89       | ≤-35.99     | PASS    |
|            |         | 2452           | Reference       | -16.41         | -16.41       | ---         | PASS    |
|            |         |                | 30~1000         | -16.41         | -66.8        | ≤-36.41     | PASS    |
|            |         |                | 1000~26500      | -16.41         | -54.29       | ≤-36.41     | PASS    |
| 11AX20SISO | Ant1    | 2412           | Reference       | -13.59         | -13.59       | ---         | PASS    |

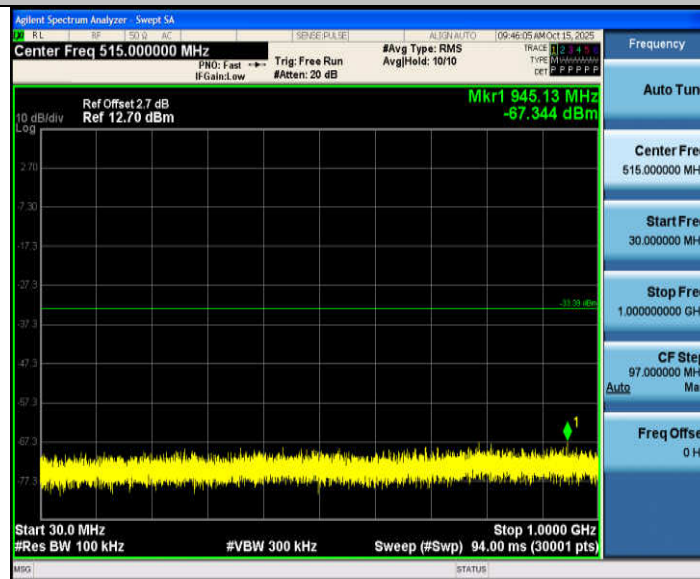
|            |      |      |            |        |        |               |      |
|------------|------|------|------------|--------|--------|---------------|------|
|            |      |      | 30~1000    | -13.59 | -66.52 | $\leq -33.59$ | PASS |
|            |      |      | 1000~26500 | -13.59 | -54.47 | $\leq -33.59$ | PASS |
|            |      | 2437 | Reference  | -12.85 | -12.85 | ---           | PASS |
|            |      |      | 30~1000    | -12.85 | -67.87 | $\leq -32.85$ | PASS |
|            |      |      | 1000~26500 | -12.85 | -54.85 | $\leq -32.85$ | PASS |
|            |      | 2462 | Reference  | -12.95 | -12.95 | ---           | PASS |
|            |      |      | 30~1000    | -12.95 | -66.62 | $\leq -32.95$ | PASS |
|            |      |      | 1000~26500 | -12.95 | -55.04 | $\leq -32.95$ | PASS |
| 11AX40SISO | Ant1 | 2422 | Reference  | -16.01 | -16.01 | ---           | PASS |
|            |      |      | 30~1000    | -16.01 | -67.77 | $\leq -36.01$ | PASS |
|            |      |      | 1000~26500 | -16.01 | -54.81 | $\leq -36.01$ | PASS |
|            |      | 2437 | Reference  | -16.46 | -16.46 | ---           | PASS |
|            |      |      | 30~1000    | -16.46 | -66.68 | $\leq -36.46$ | PASS |
|            |      |      | 1000~26500 | -16.46 | -54.3  | $\leq -36.46$ | PASS |
|            |      | 2452 | Reference  | -16.13 | -16.13 | ---           | PASS |
|            |      |      | 30~1000    | -16.13 | -67.55 | $\leq -36.13$ | PASS |
|            |      |      | 1000~26500 | -16.13 | -53.97 | $\leq -36.13$ | PASS |

## Test Graphs

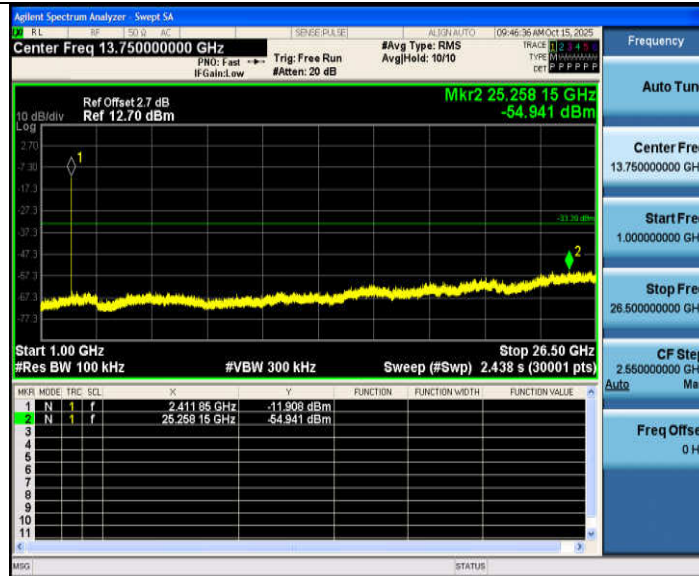
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



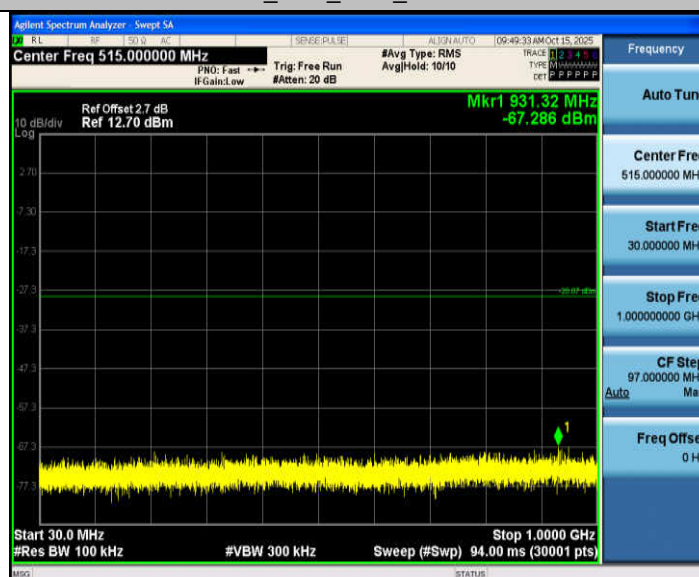
11B\_Ant1\_2412\_1000~26500



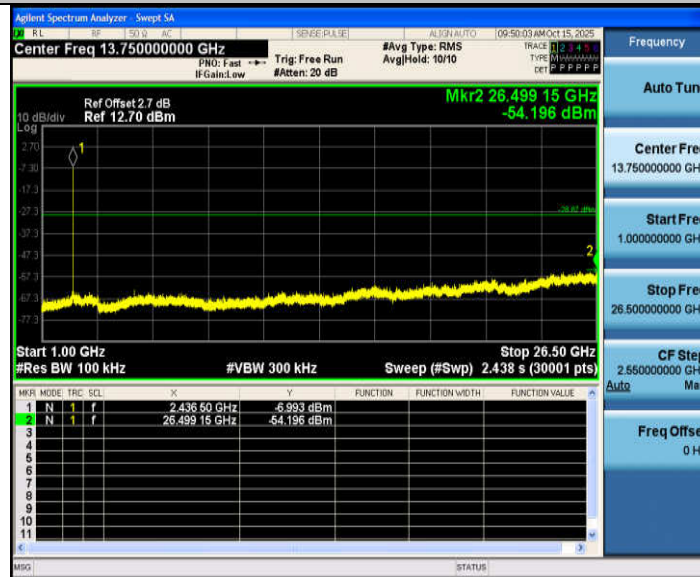
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



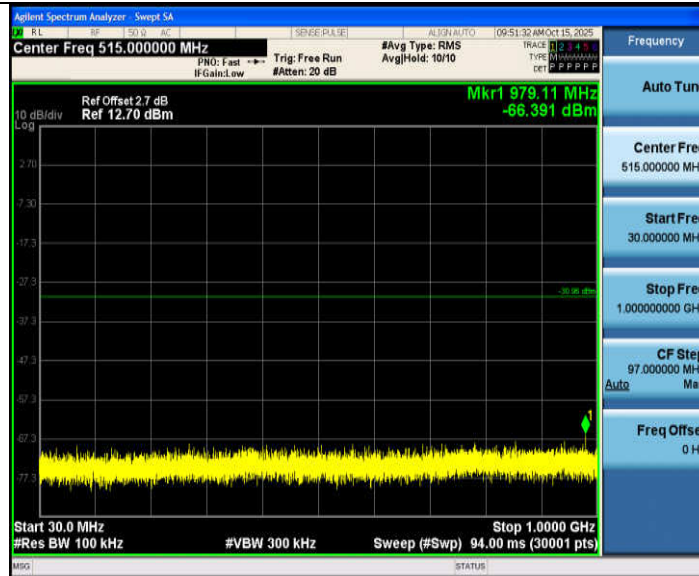
# 11B\_Ant1\_2437\_1000~26500



# 11B\_Ant1\_2462\_0~Reference



# 11B\_Ant1\_2462\_30~1000



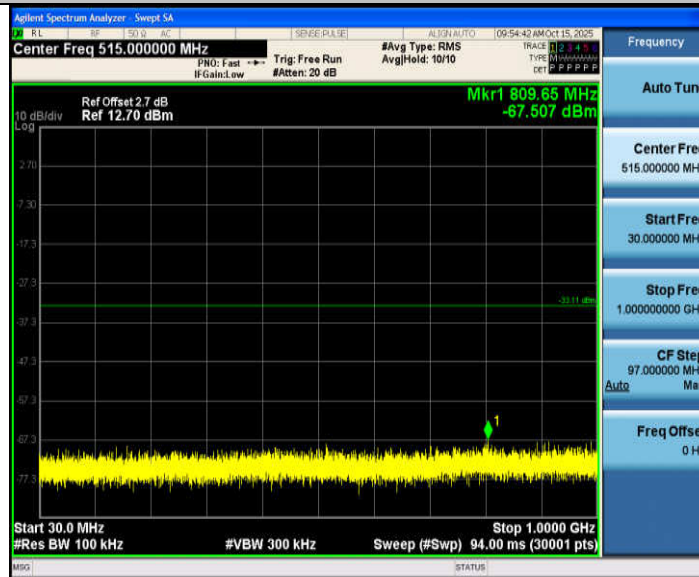
11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



# 11G\_Ant1\_2412\_30~1000



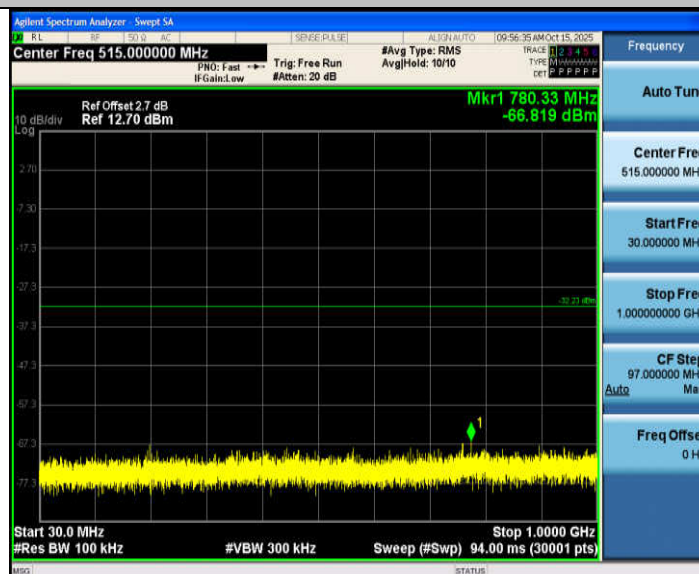
# 11G\_Ant1\_2412\_1000~26500



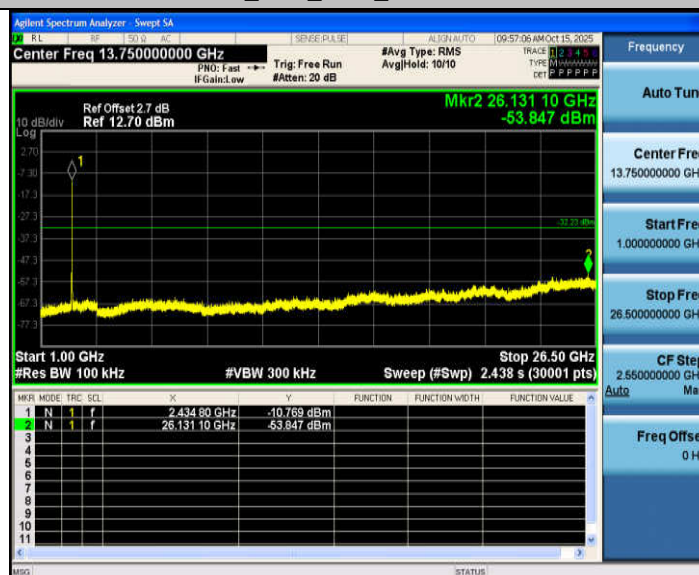
# 11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500



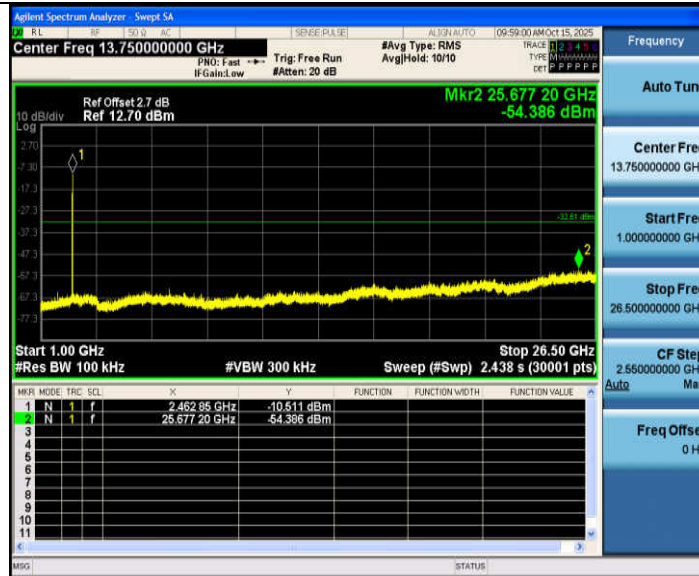
# 11G\_Ant1\_2462\_0~Reference



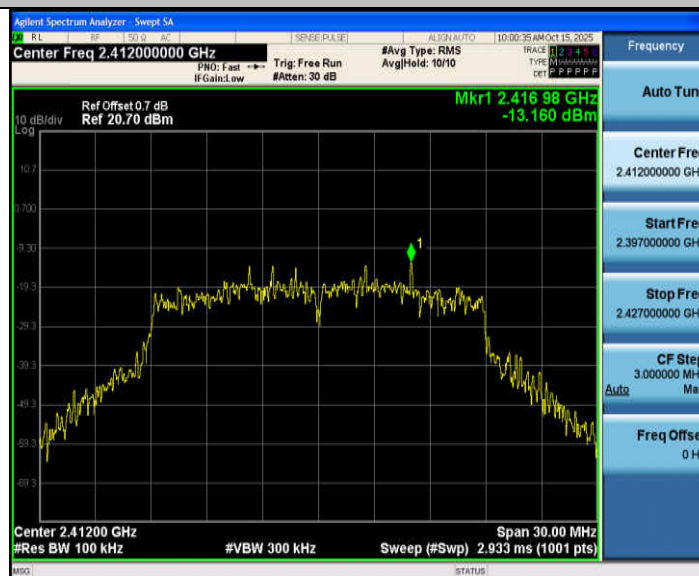
# 11G\_Ant1\_2462\_30~1000



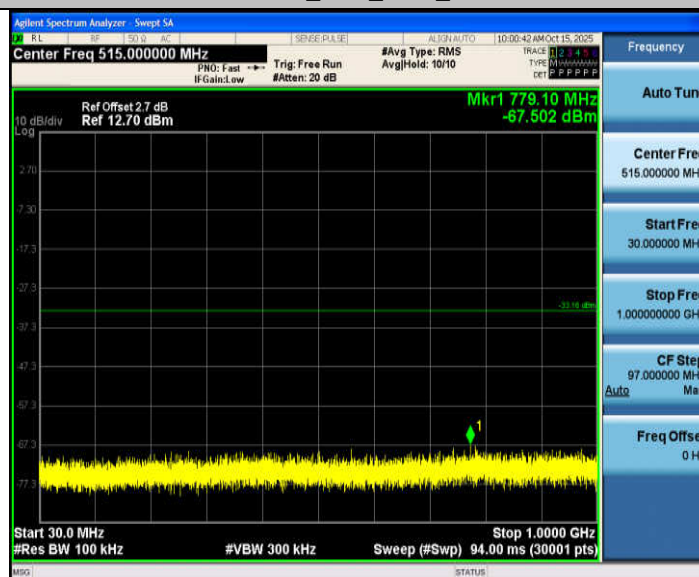
# 11G\_Ant1\_2462\_1000~26500



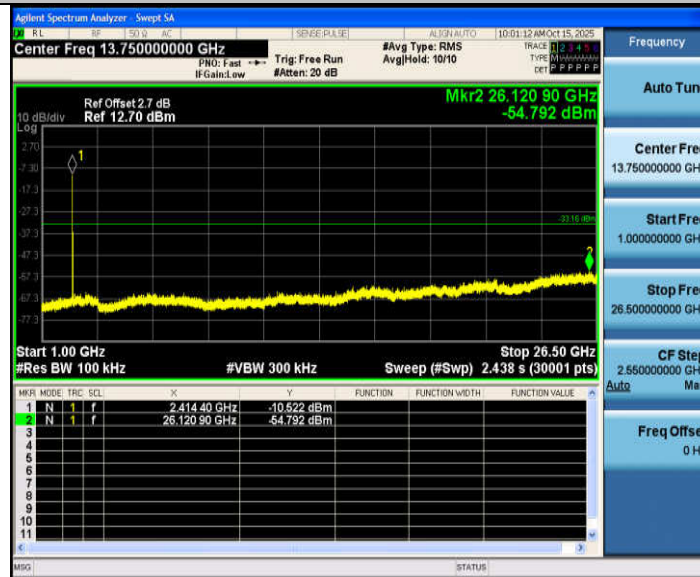
11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000



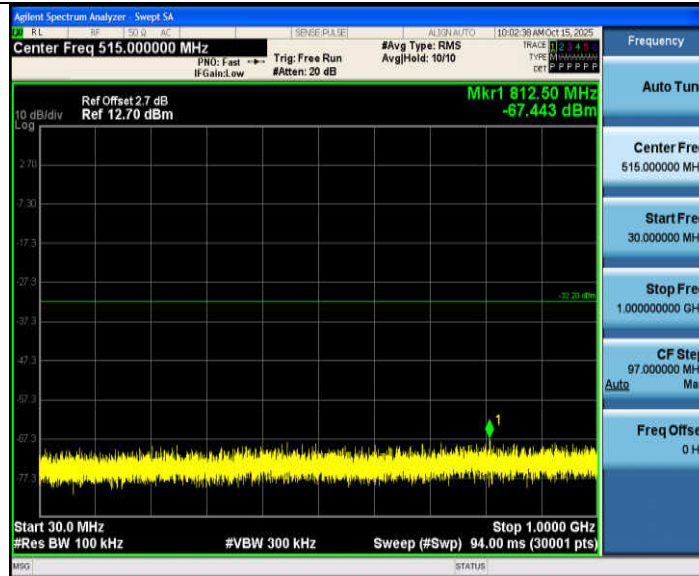
# 11N20SISO\_Ant1\_2412\_1000~26500



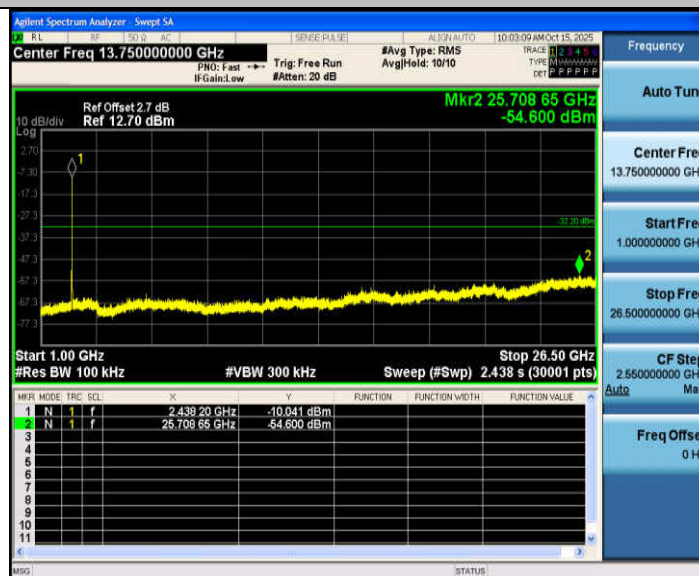
# 11N20SISO\_Ant1\_2437\_0~Reference



# 11N20SISO\_Ant1\_2437\_30~1000



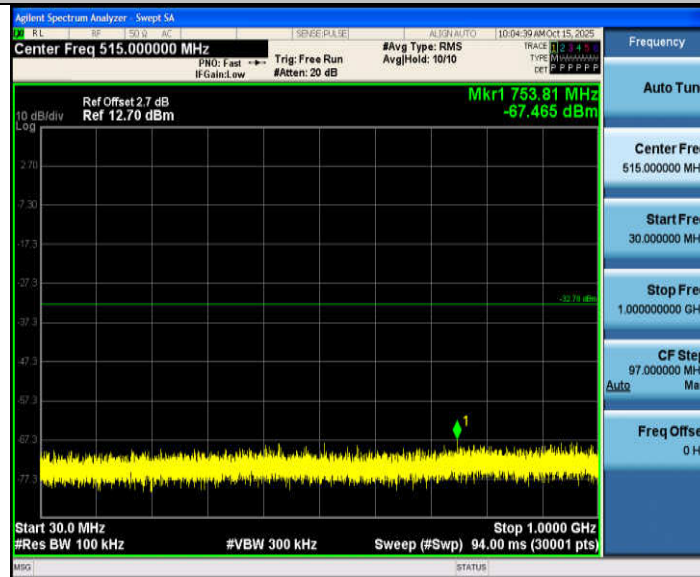
11N20ISO\_Ant1\_2437\_1000~26500



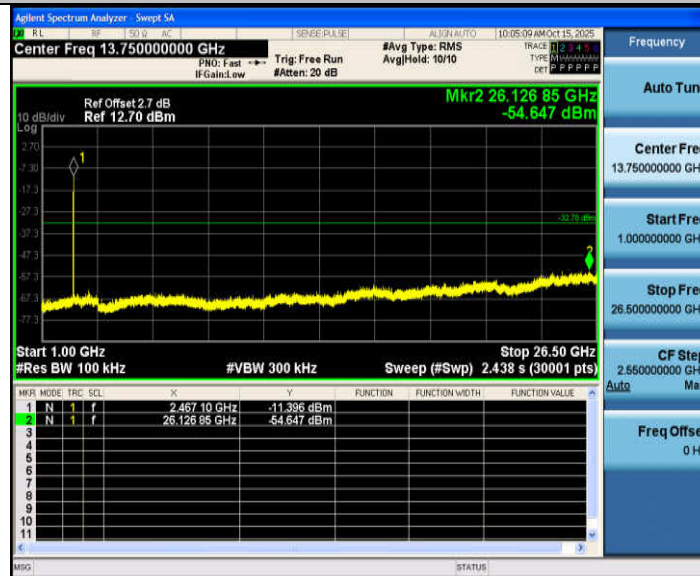
11N20ISO\_Ant1\_2462\_0~Reference



# 11N20SISO\_Ant1\_2462\_30~1000



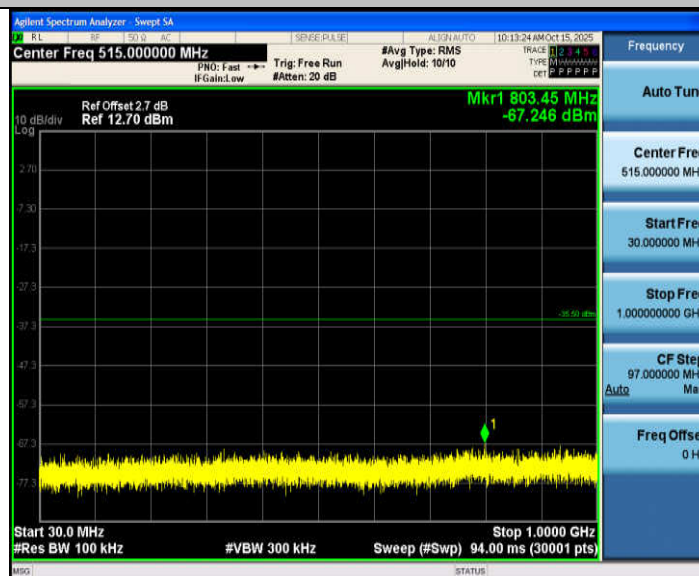
# 11N20SISO\_Ant1\_2462\_1000~26500



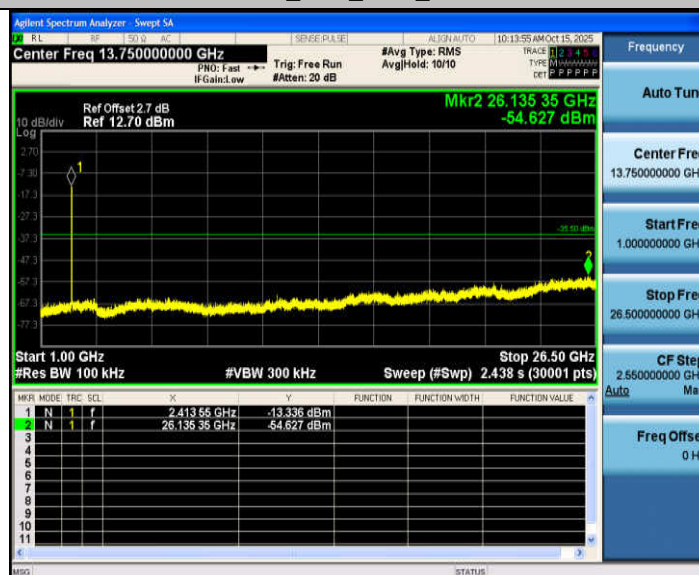
# 11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000



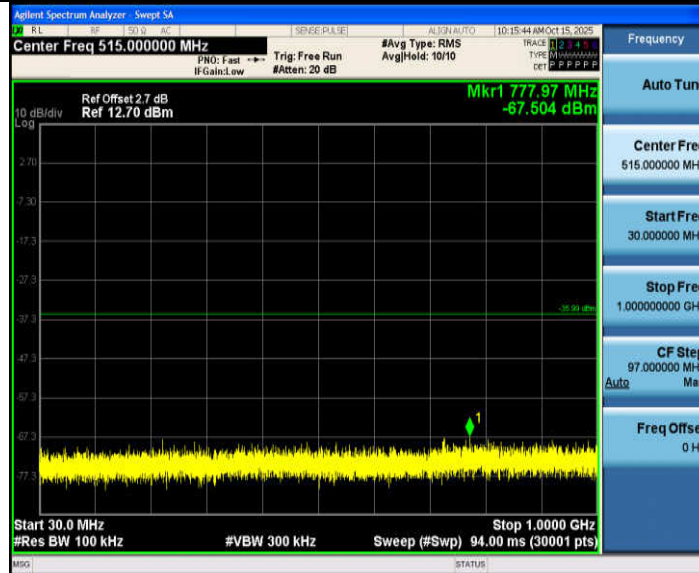
11N40SISO\_Ant1\_2422\_1000~26500



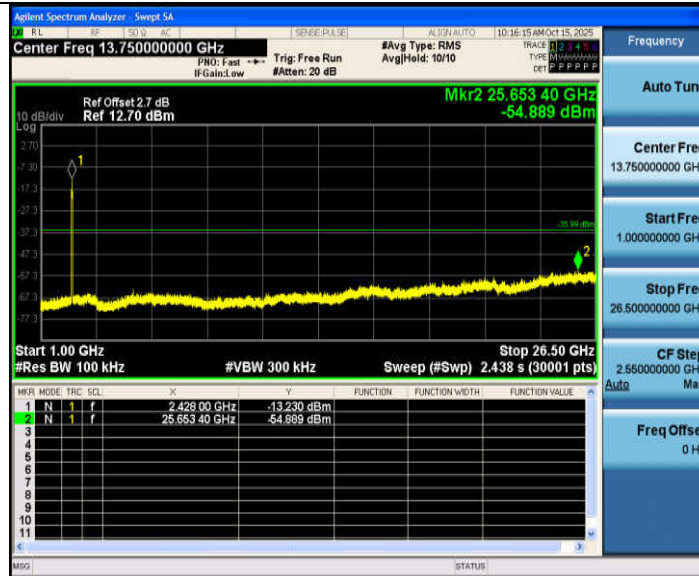
# 11N40SISO\_Ant1\_2437\_0~Reference



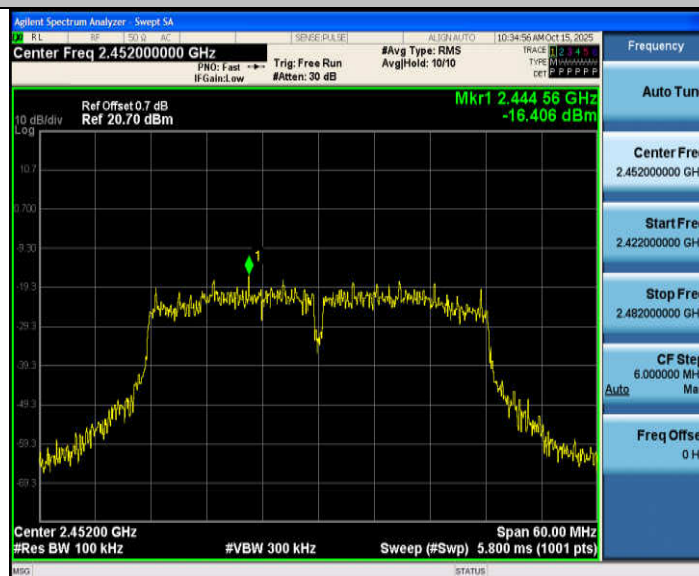
# 11N40SISO\_Ant1\_2437\_30~1000



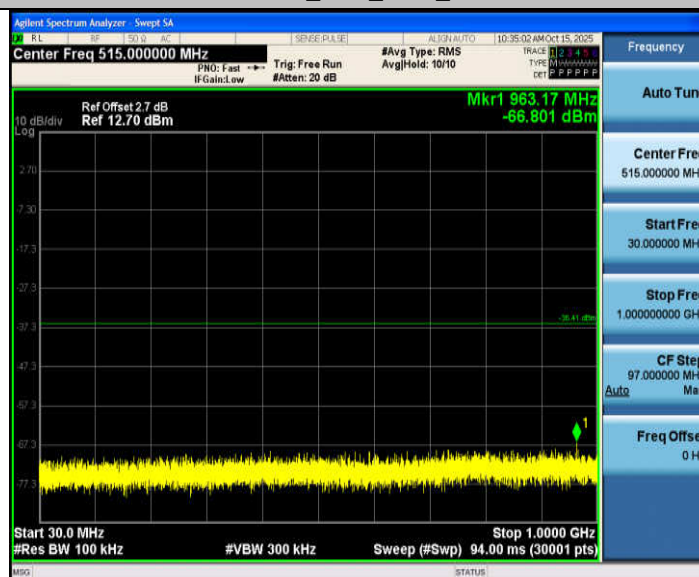
# 11N40SISO\_Ant1\_2437\_1000~26500



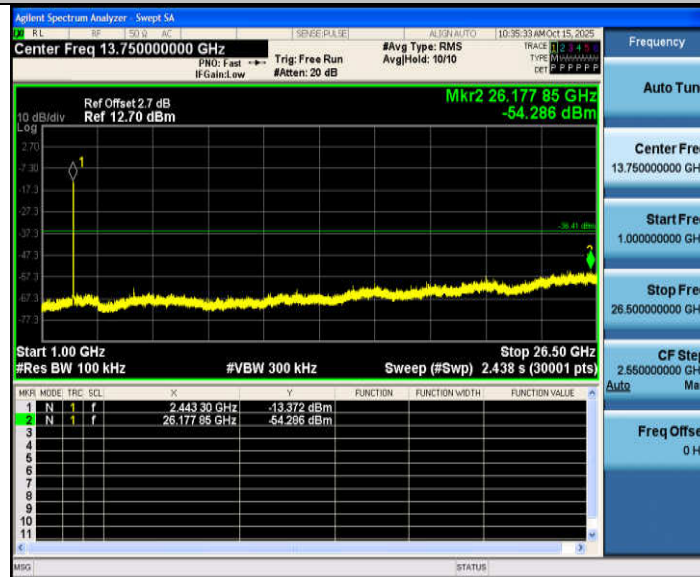
11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000



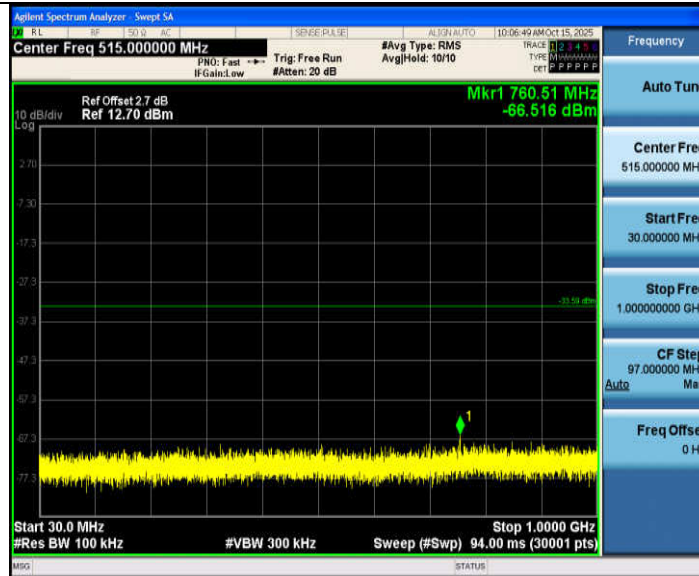
# 11N40SISO\_Ant1\_2452\_1000~26500



# 11AX20SISO\_Ant1\_2412\_0~Reference



# 11AX20SISO\_Ant1\_2412\_30~1000



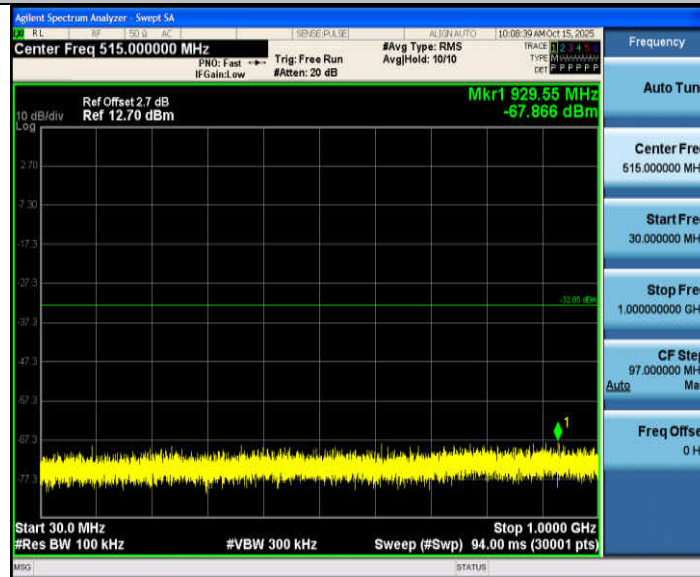
11AX20SISO\_Ant1\_2412\_1000~26500



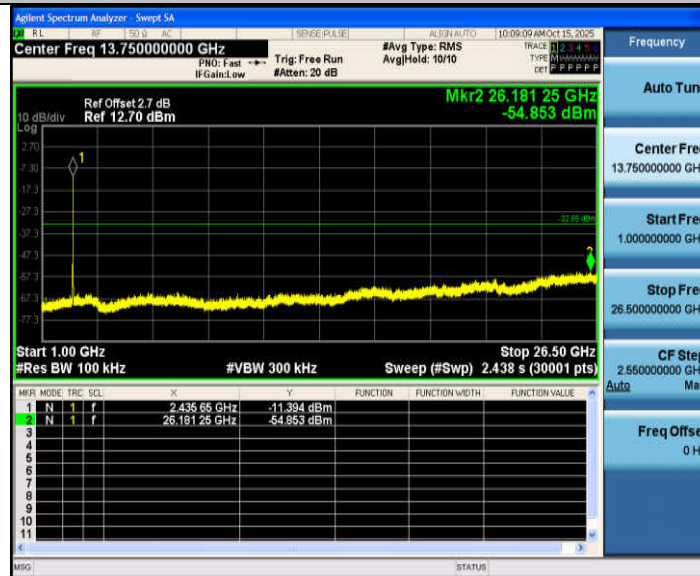
11AX20SISO\_Ant1\_2437\_0~Reference



# 11AX20SISO\_Ant1\_2437\_30~1000



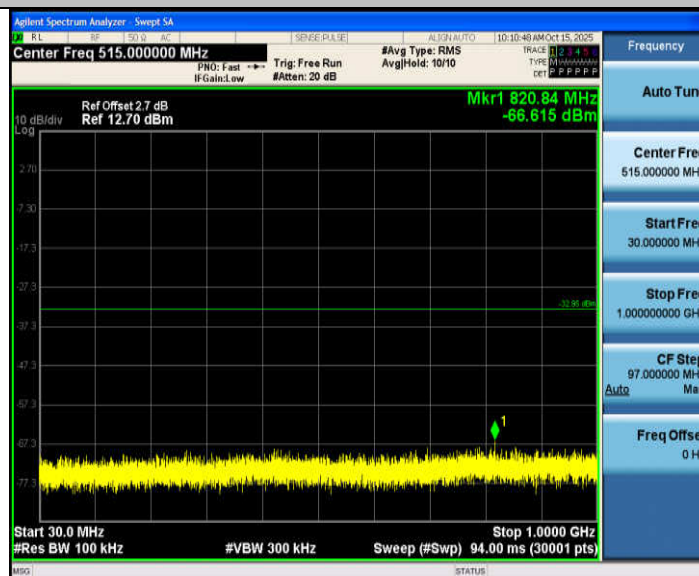
# 11AX20SISO\_Ant1\_2437\_1000~26500



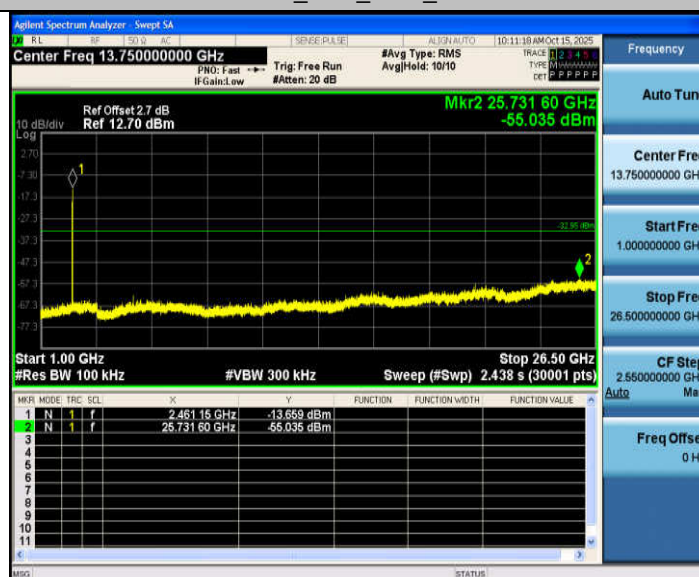
# 11AX20SISO\_Ant1\_2462\_0~Reference



11AX20SISO\_Ant1\_2462\_30~1000



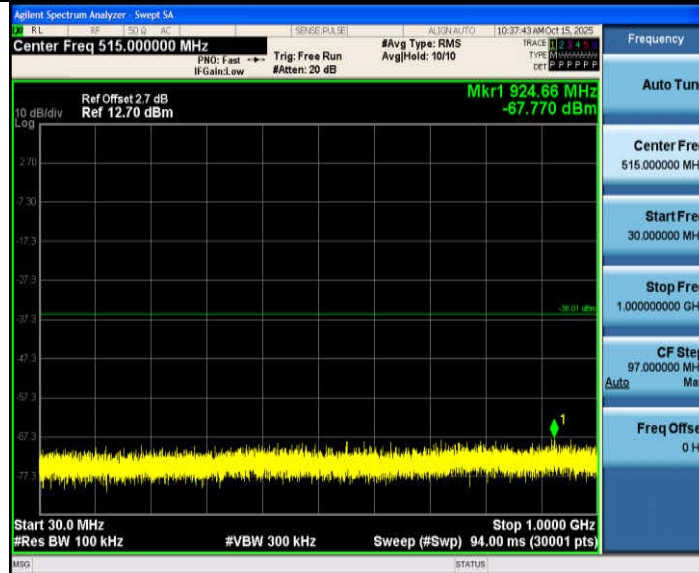
11AX20SISO\_Ant1\_2462\_1000~26500



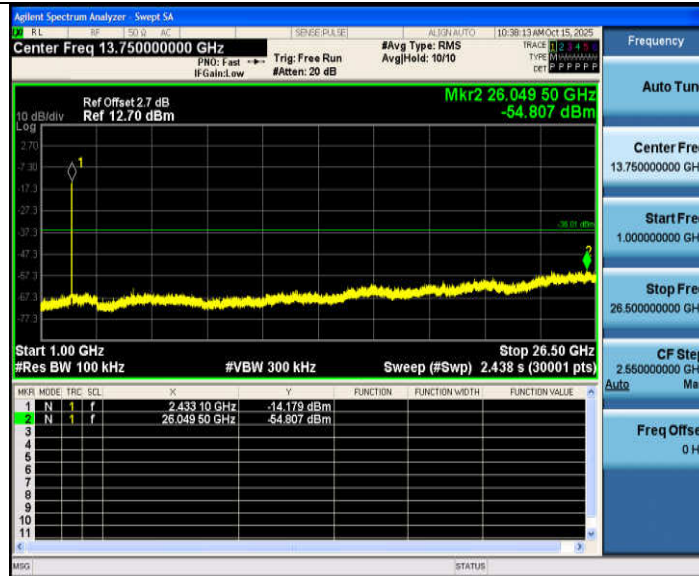
# 11AX40SISO\_Ant1\_2422\_0~Reference



# 11AX40SISO\_Ant1\_2422\_30~1000



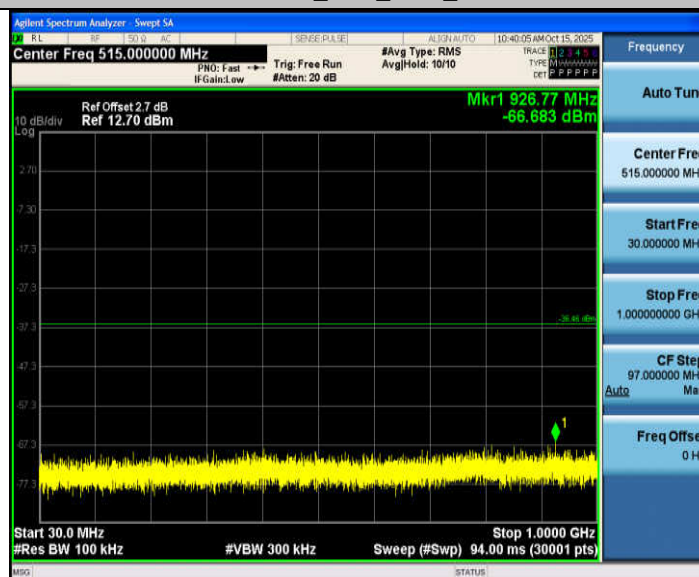
# 11AX40SISO\_Ant1\_2422\_1000~26500



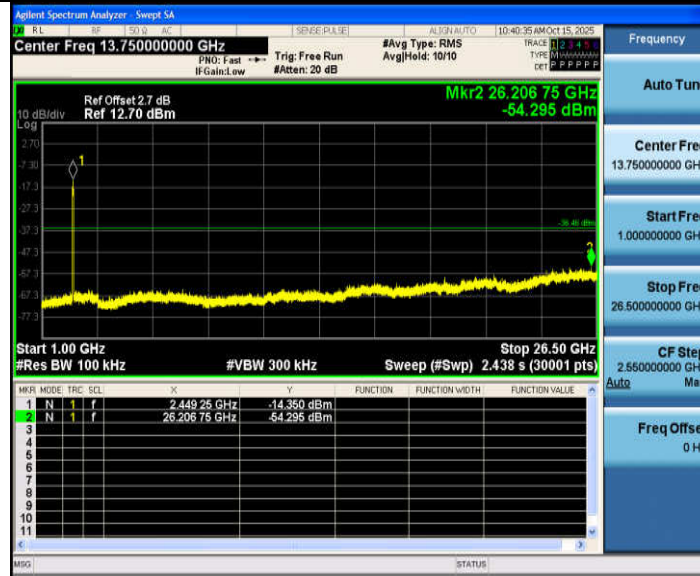
11AX40SISO\_Ant1\_2437\_0~Reference



11AX40SISO\_Ant1\_2437\_30~1000



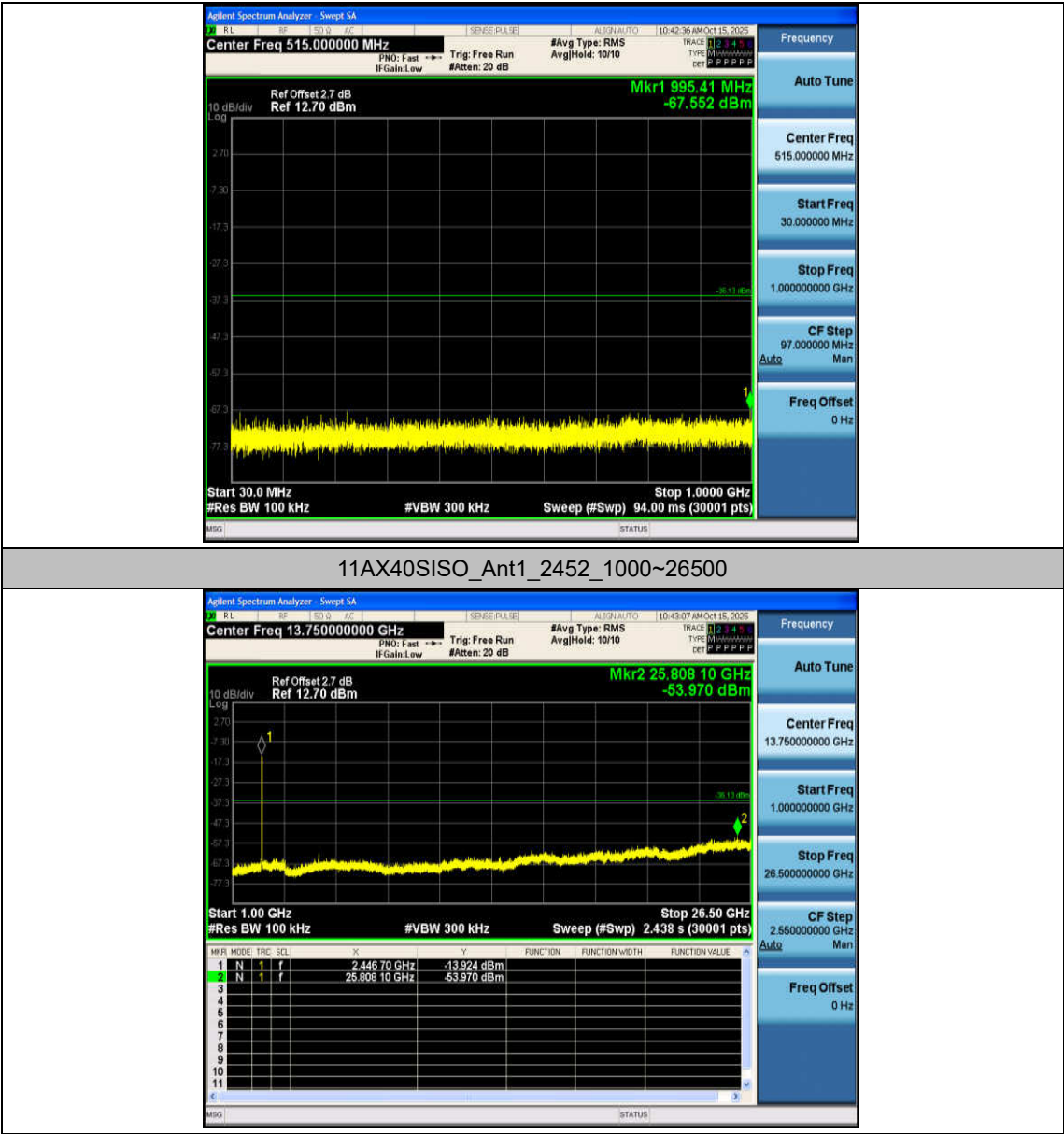
# 11AX40SISO\_Ant1\_2437\_1000~26500



# 11AX40SISO\_Ant1\_2452\_0~Reference



# 11AX40SISO\_Ant1\_2452\_30~1000



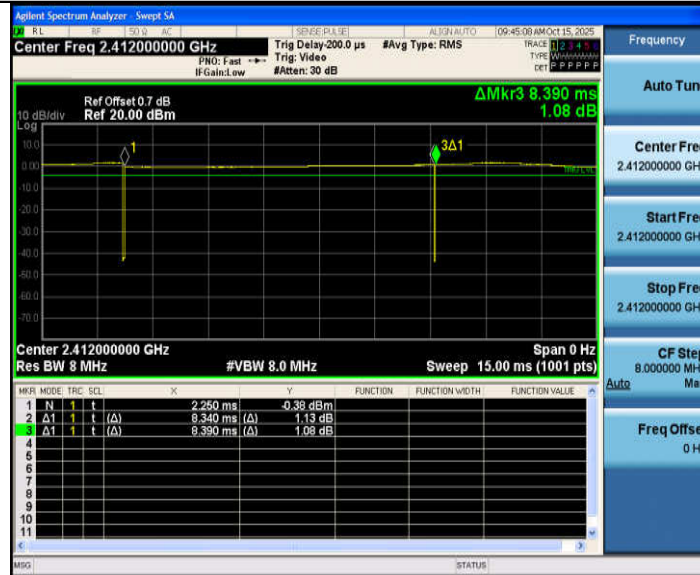
## Appendix G: Duty Cycle

### Test Result

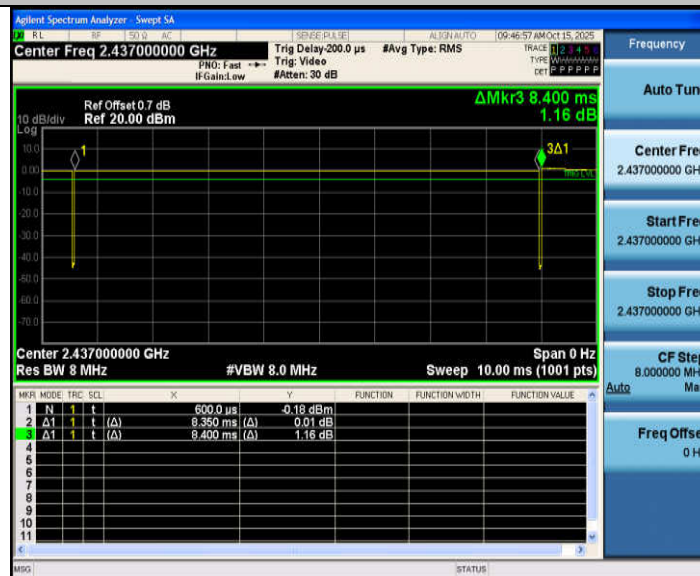
| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11B        | Ant1    | 2412           | 8.34                       | 8.39                     | 99.40          |
|            |         | 2437           | 8.35                       | 8.40                     | 99.40          |
|            |         | 2462           | 8.36                       | 8.40                     | 99.52          |
| 11G        | Ant1    | 2412           | 0.14                       | 0.19                     | 73.68          |
|            |         | 2437           | 0.14                       | 0.19                     | 73.68          |
|            |         | 2462           | 0.14                       | 0.19                     | 73.68          |
| 11N20SISO  | Ant1    | 2412           | 0.18                       | 0.23                     | 78.26          |
|            |         | 2437           | 0.18                       | 0.23                     | 78.26          |
|            |         | 2462           | 0.17                       | 0.22                     | 77.27          |
| 11N40SISO  | Ant1    | 2422           | 0.18                       | 0.23                     | 78.26          |
|            |         | 2437           | 0.18                       | 0.23                     | 78.26          |
|            |         | 2452           | 0.18                       | 0.23                     | 78.26          |
| 11AX20SISO | Ant1    | 2412           | 0.27                       | 0.32                     | 84.38          |
|            |         | 2437           | 0.26                       | 0.31                     | 83.87          |
|            |         | 2462           | 0.26                       | 0.31                     | 83.87          |
| 11AX40SISO | Ant1    | 2422           | 0.15                       | 0.20                     | 75.00          |
|            |         | 2437           | 0.15                       | 0.20                     | 75.00          |
|            |         | 2452           | 0.15                       | 0.20                     | 75.00          |

## Test Graphs

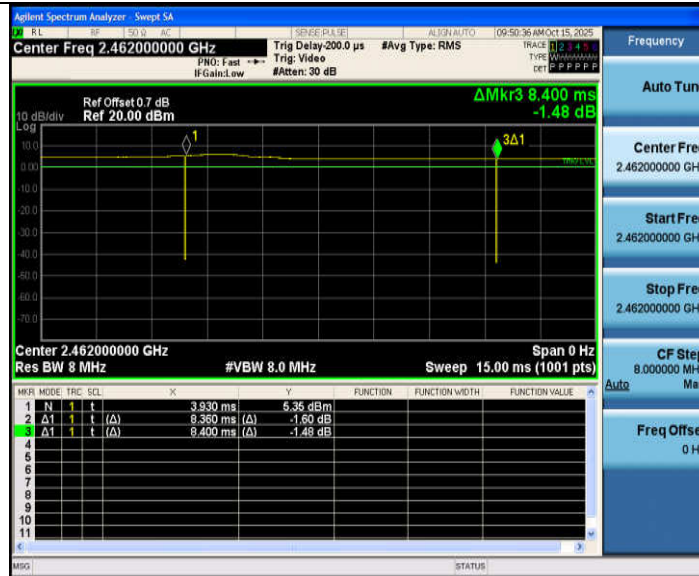
11B\_Ant1\_2412



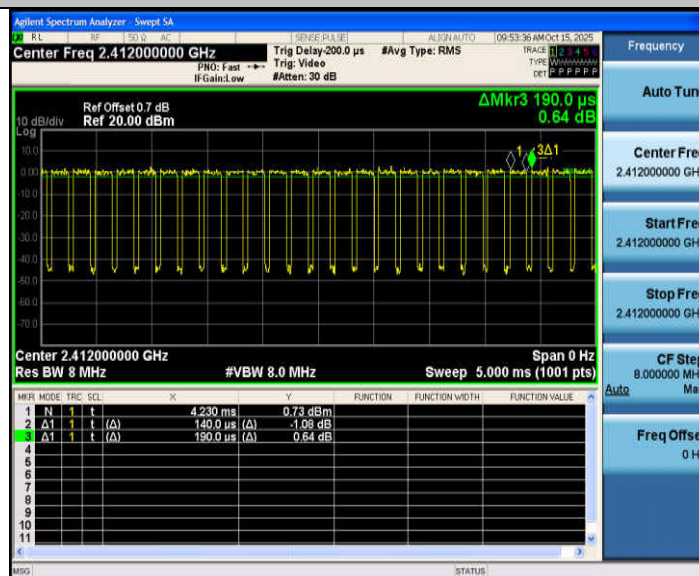
11B\_Ant1\_2437



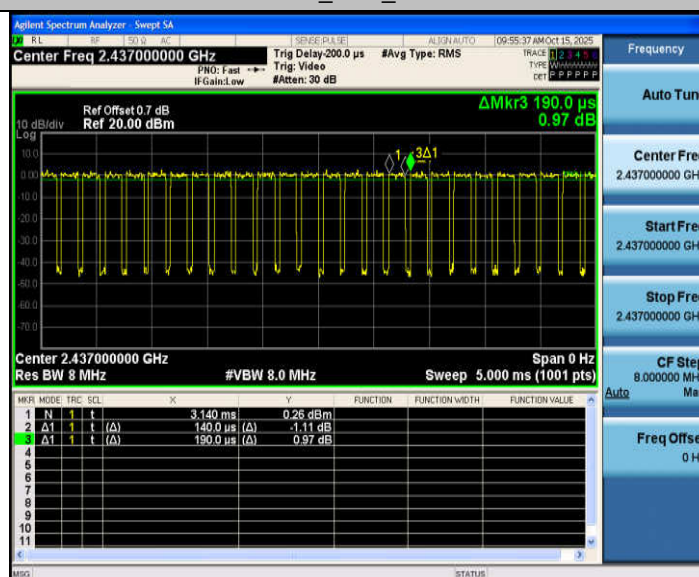
11B\_Ant1\_2462



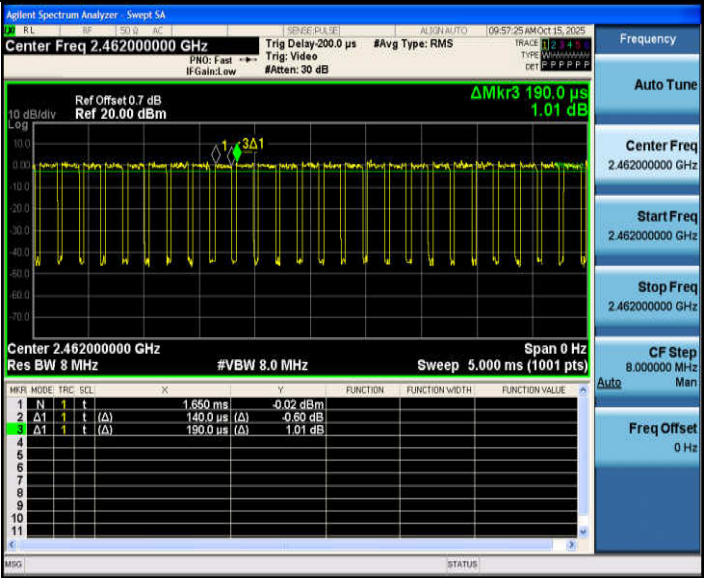
11G\_Ant1\_2412



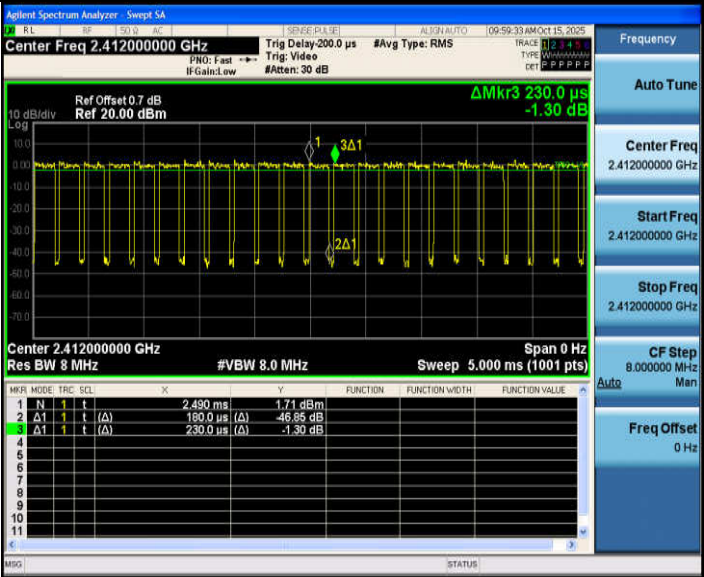
11G\_Ant1\_2437



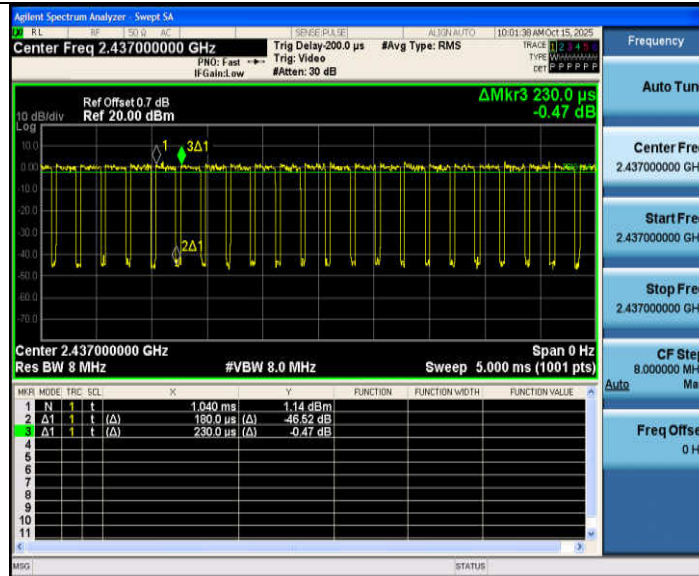
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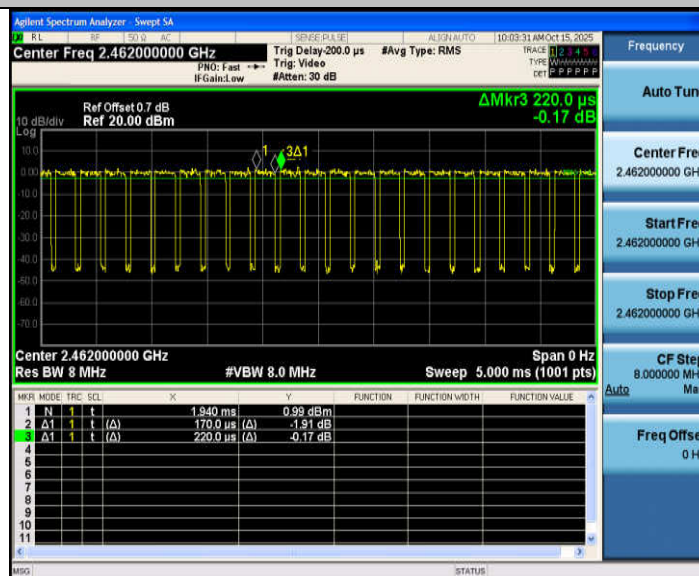
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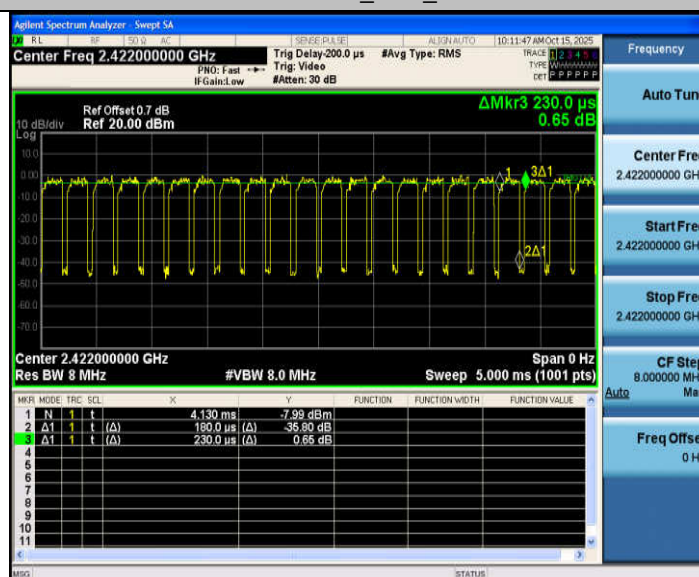
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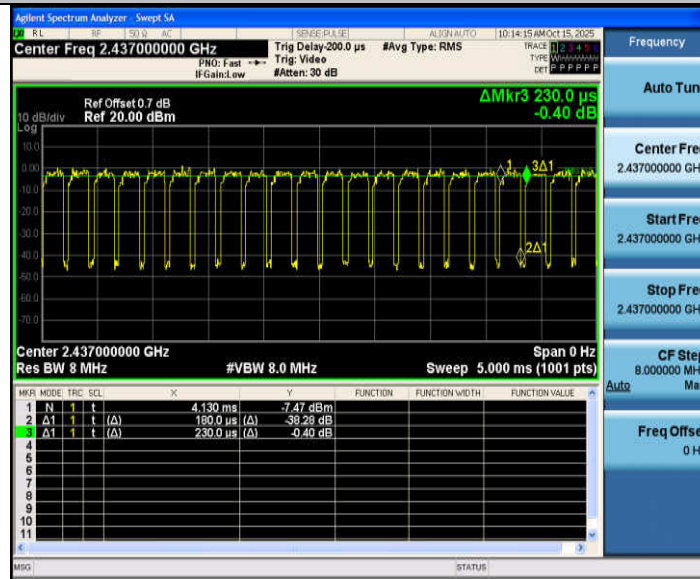
11N20SISO\_Ant1\_2462



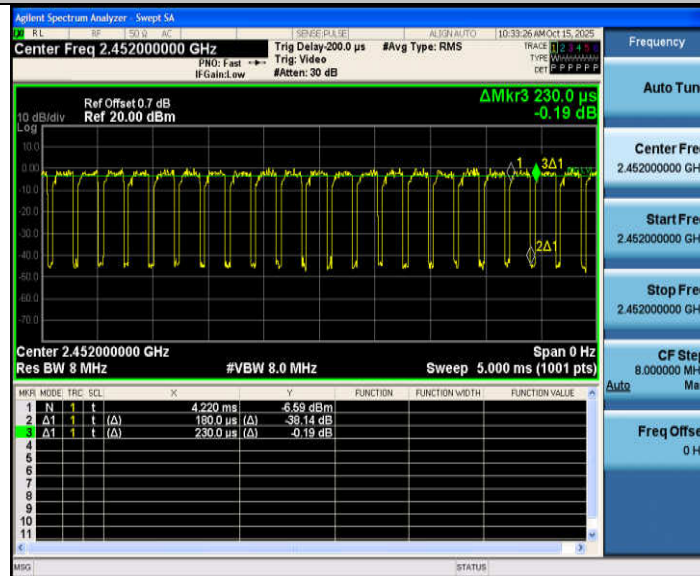
11N40SISO\_Ant1\_2422



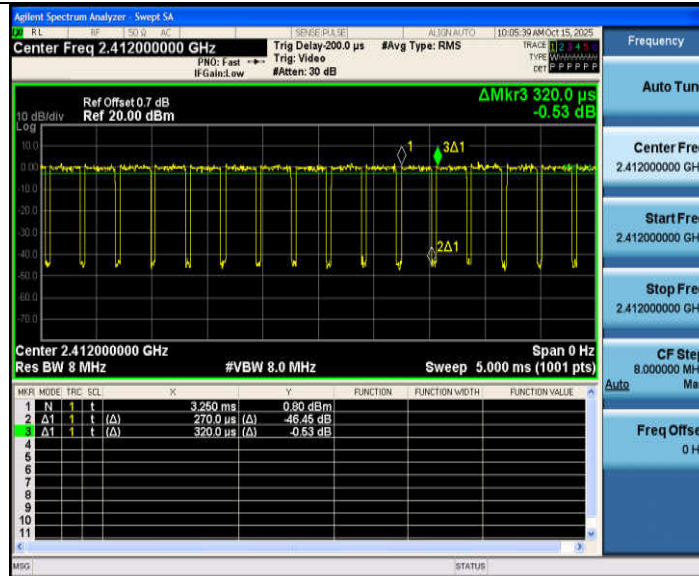
# 11N40SISO\_Ant1\_2437



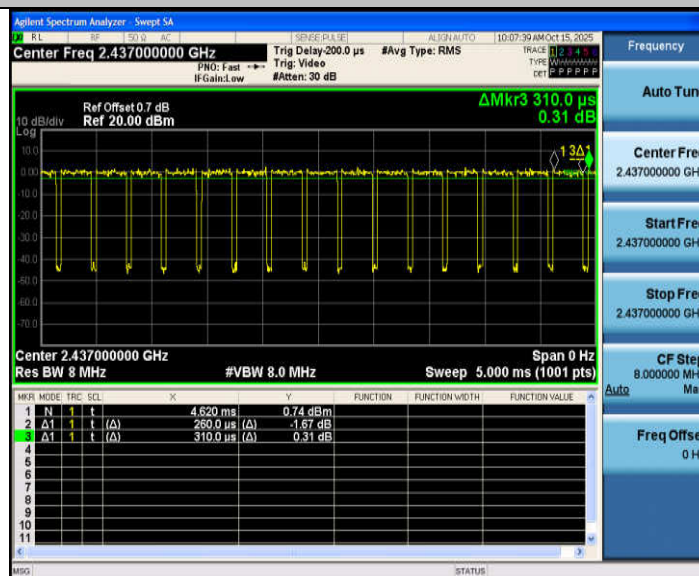
# 11N40SISO\_Ant1\_2452



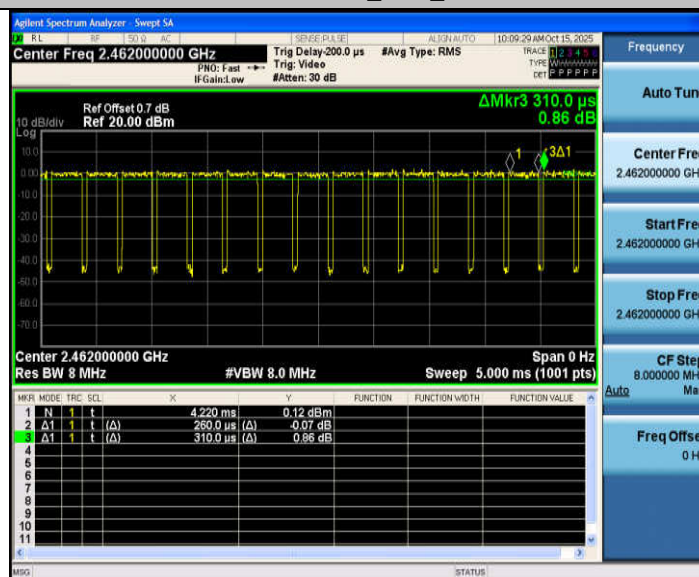
# 11AX20SISO\_Ant1\_2412



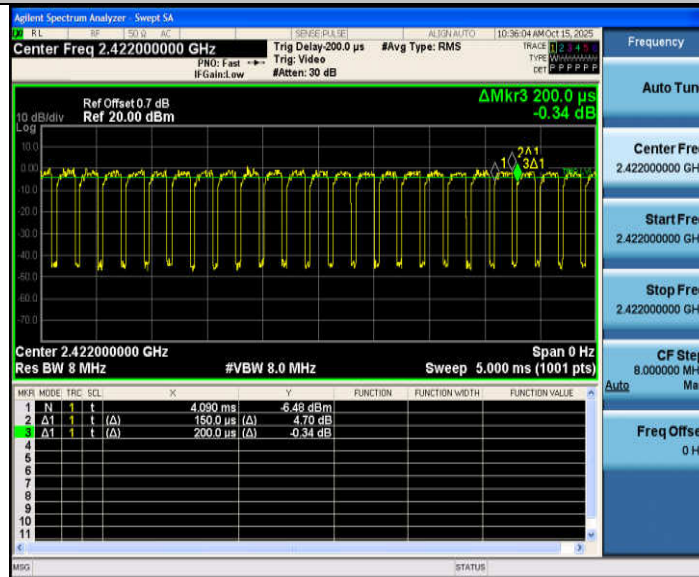
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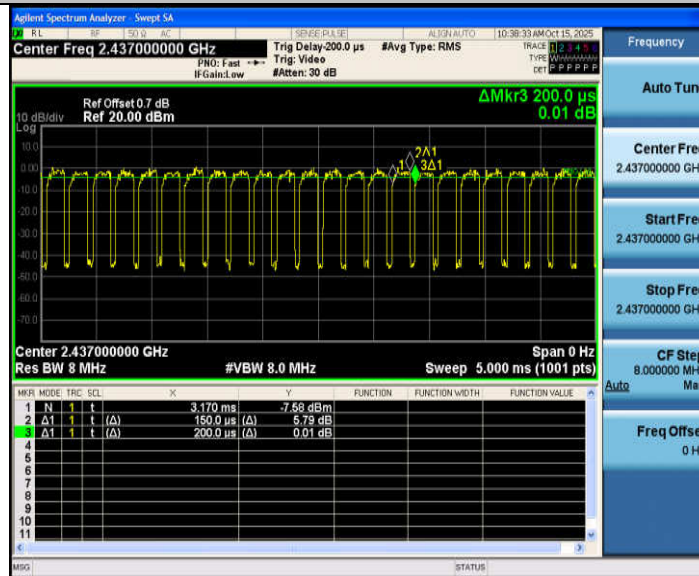
11AX20SISO\_Ant1\_2462



# 11AX40SISO\_Ant1\_2422



# 11AX40SISO\_Ant1\_2437



# 11AX40SISO\_Ant1\_2452

