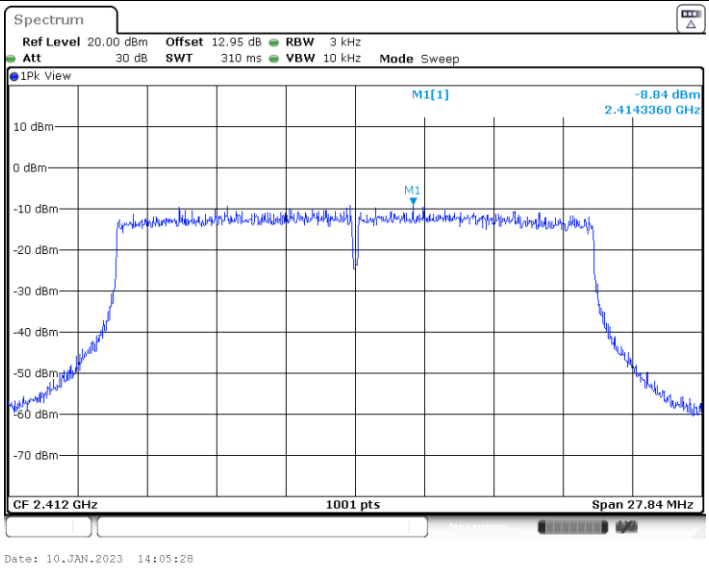
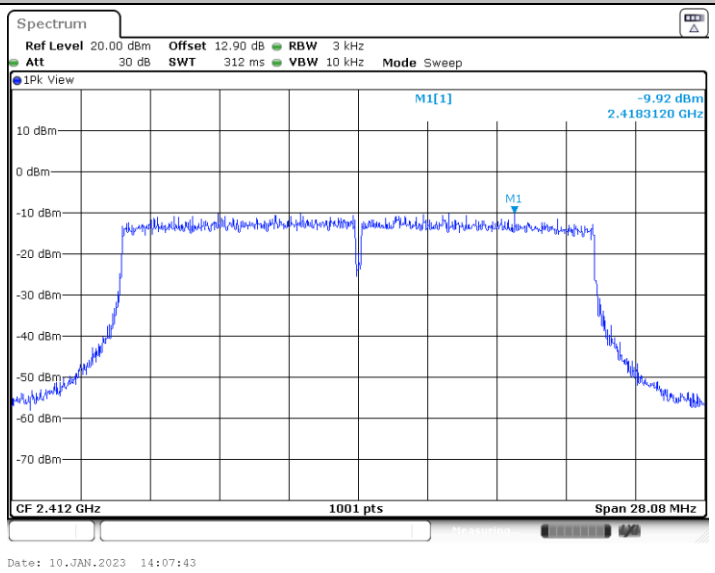
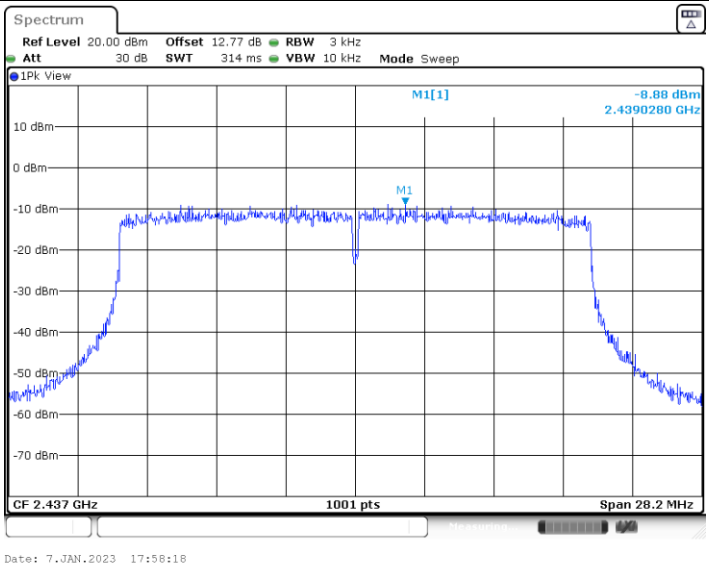
11AX20MIMO_Ant9_2412



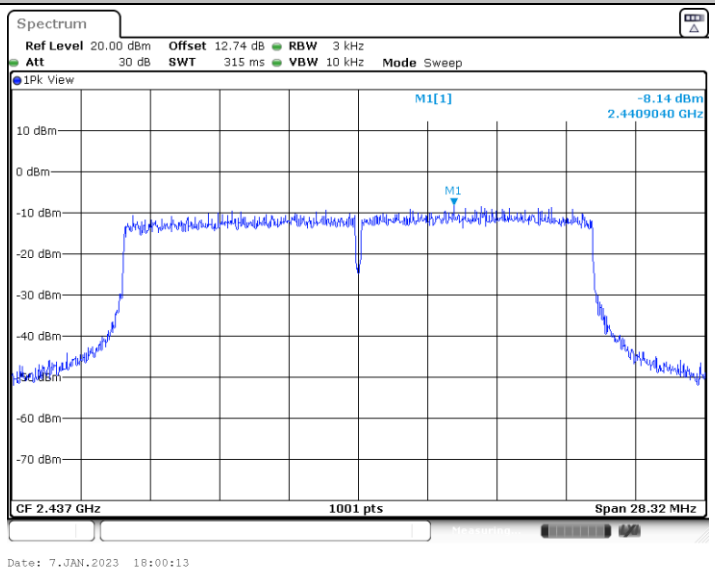

11AX20MIMO_Ant10_2412



11AX20MIMO_Ant9_2437




11AX20MIMO_Ant10_2437



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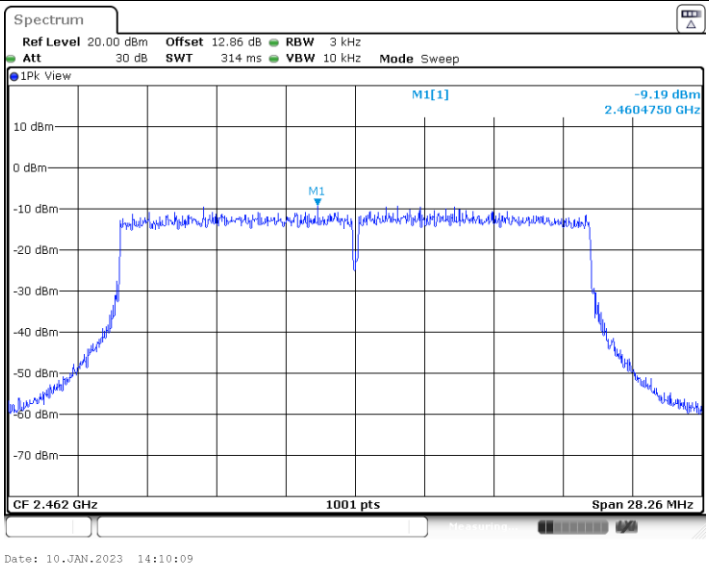


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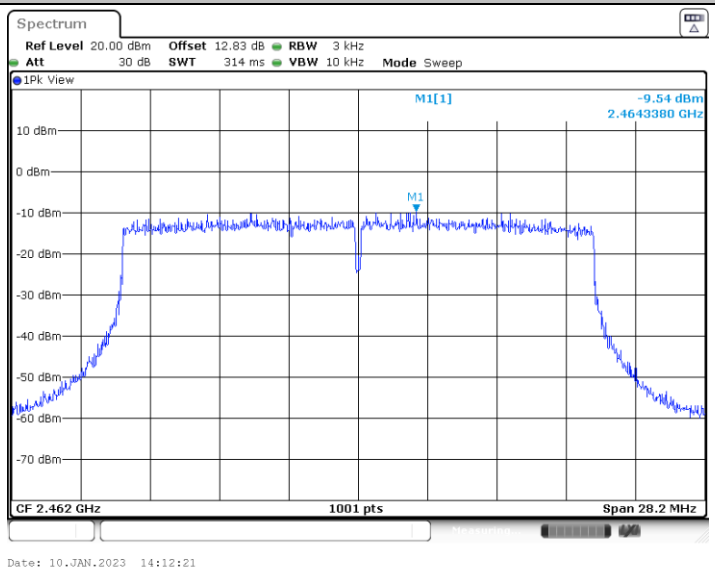
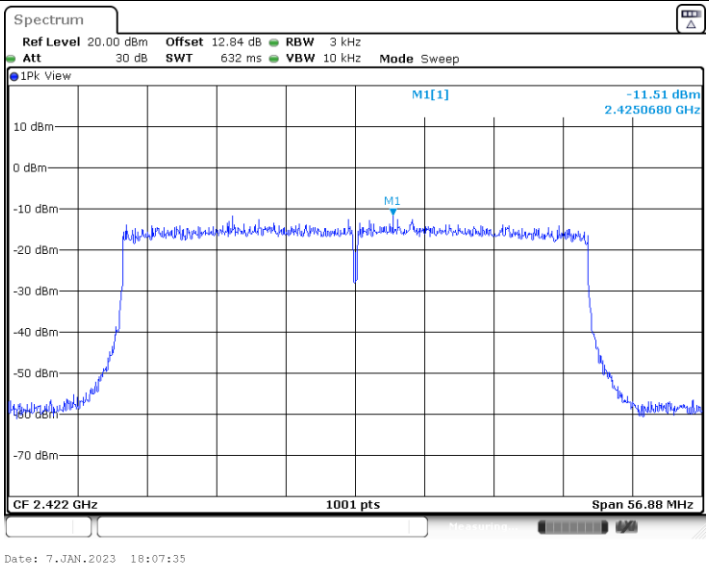


11AX40MIMO_Ant9_2422

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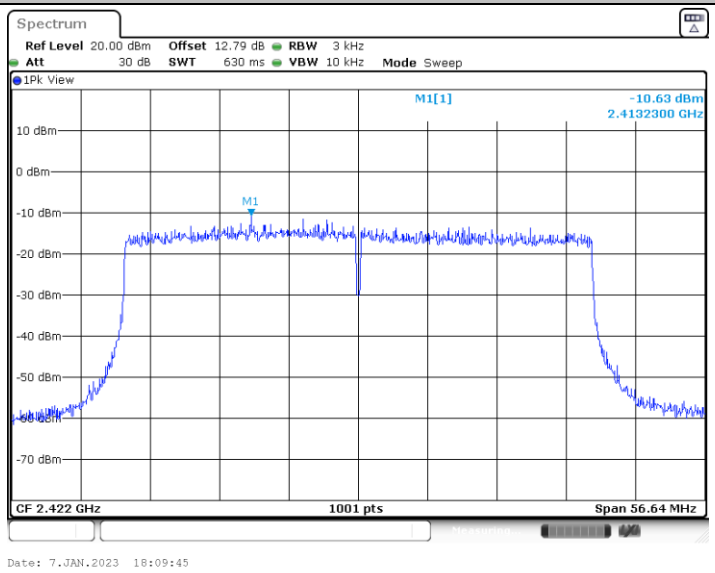

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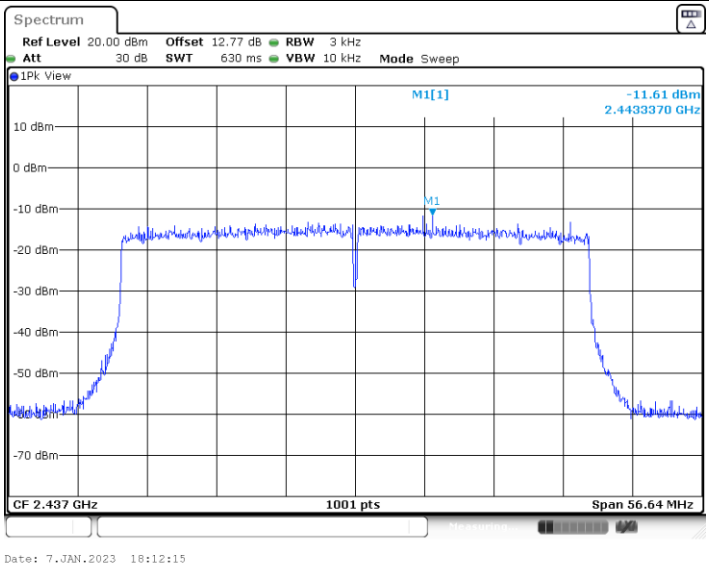


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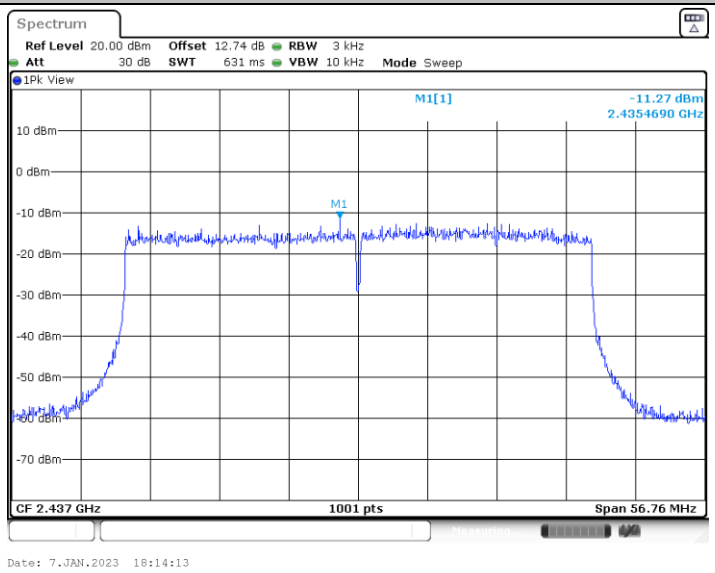

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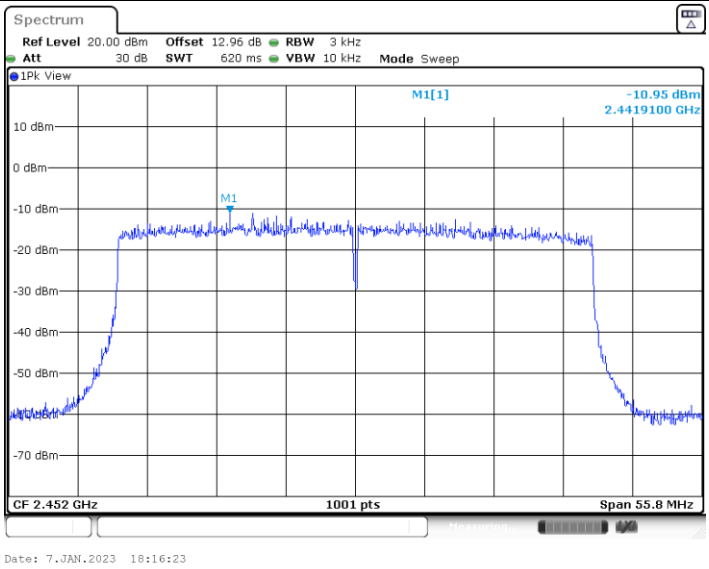


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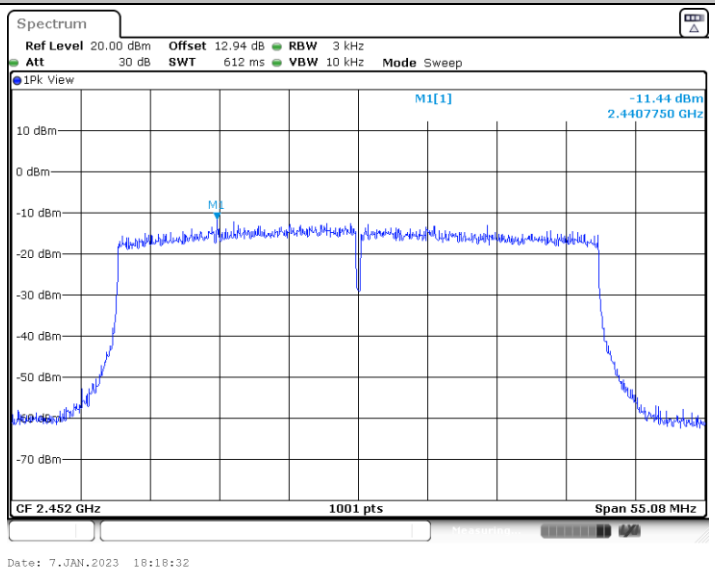


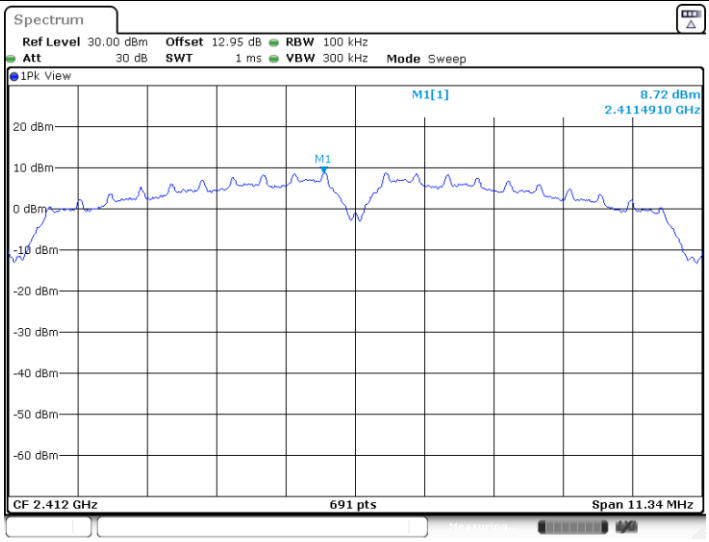
# Reference level measurement

## Test Result

| TestMode | Antenna | Freq(MHz) | Max.Point[MHz] | Result[dBm/100KHz] |
|---|---|---|---|---|
| 11B-CDD | Ant9 | 2412 | 2411.49 | 8.72 |
| | Ant10 | 2412 | 2411.49 | 8.39 |
| | Ant9 | 2437 | 2436.01 | 9.60 |
| | Ant10 | 2437 | 2438.00 | 9.43 |
| | Ant9 | 2462 | 2461.49 | 8.45 |
| | Ant10 | 2462 | 2461.49 | 8.08 |
| 11G-CDD | Ant9 | 2412 | 2417.00 | 7.02 |
| | Ant10 | 2412 | 2414.48 | 6.29 |
| | Ant9 | 2437 | 2431.98 | 6.28 |
| | Ant10 | 2437 | 2444.48 | 6.78 |
| | Ant9 | 2462 | 2464.51 | 6.77 |
| | Ant10 | 2462 | 2467.01 | 6.56 |
| 11N40MIMO | Ant9 | 2422 | 2427.05 | 3.31 |
| | Ant10 | 2422 | 2416.99 | 4.39 |
| | Ant9 | 2437 | 2431.99 | 3.18 |
| | Ant10 | 2437 | 2445.75 | 3.88 |
| | Ant9 | 2452 | 2444.47 | 3.56 |
| | Ant10 | 2452 | 2447.05 | 4.51 |
| 11AX20MIMO | Ant9 | 2412 | 2414.50 | 5.30 |
| | Ant10 | 2412 | 2407.00 | 5.20 |
| | Ant9 | 2437 | 2439.49 | 6.60 |
| | Ant10 | 2437 | 2444.50 | 6.76 |
| | Ant9 | 2462 | 2469.48 | 5.14 |
| | Ant10 | 2462 | 2464.53 | 5.13 |
| 11AX40MIMO | Ant9 | 2422 | 2427.02 | 3.01 |
| | Ant10 | 2422 | 2417.00 | 3.88 |
| | Ant9 | 2437 | 2434.54 | 2.89 |
| | Ant10 | 2437 | 2452.03 | 3.31 |
| | Ant9 | 2452 | 2444.49 | 3.21 |
| | Ant10 | 2452 | 2446.98 | 3.91 |

## Test Graphs

11B-CDD_Ant9_2412

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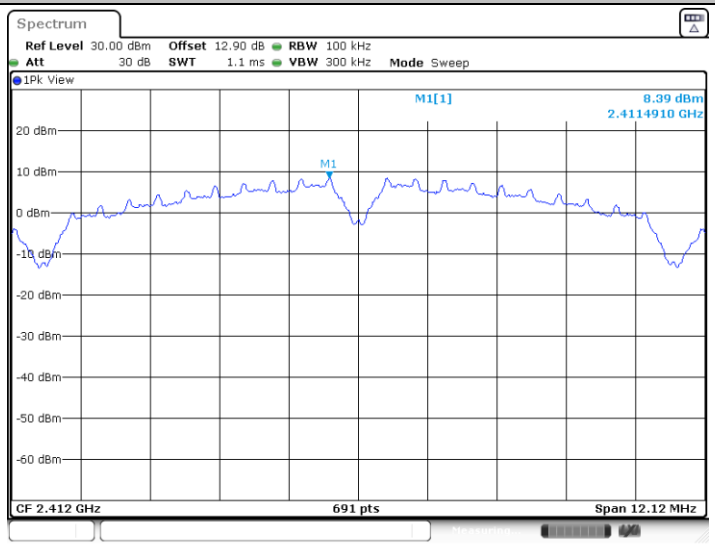
11B-CDD_Ant10_2412

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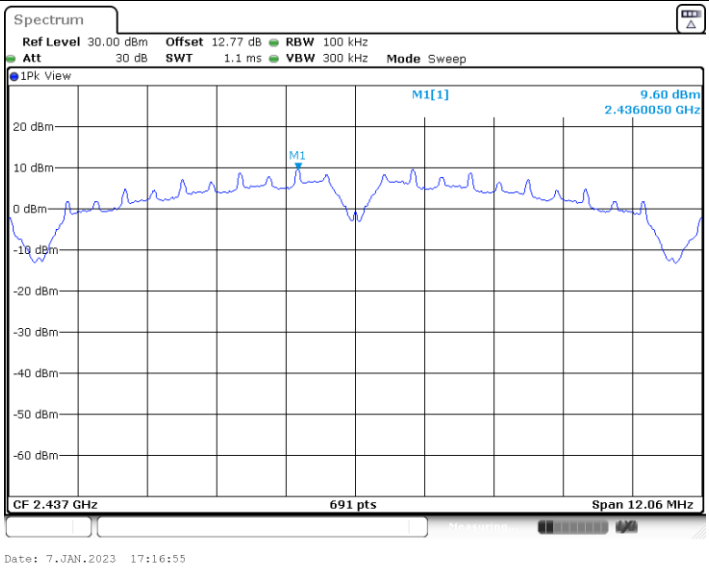


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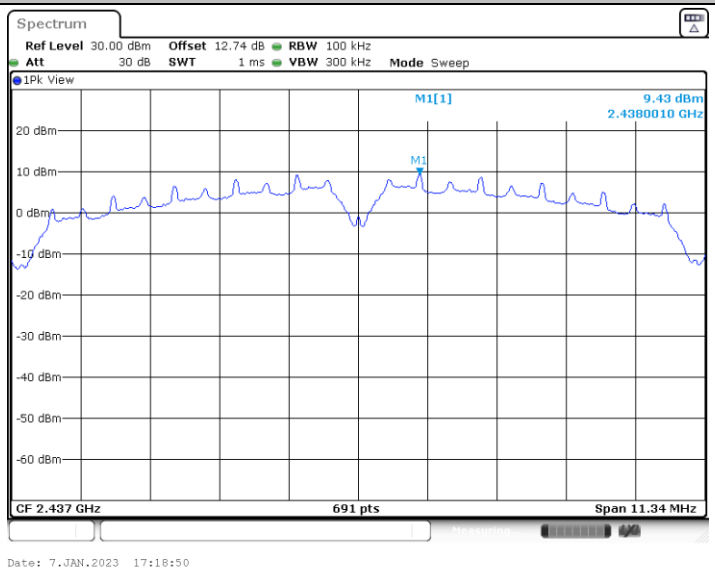

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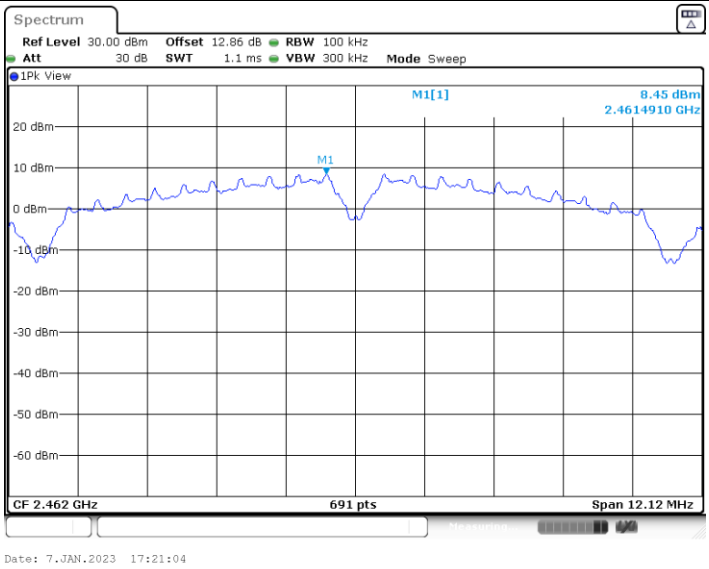


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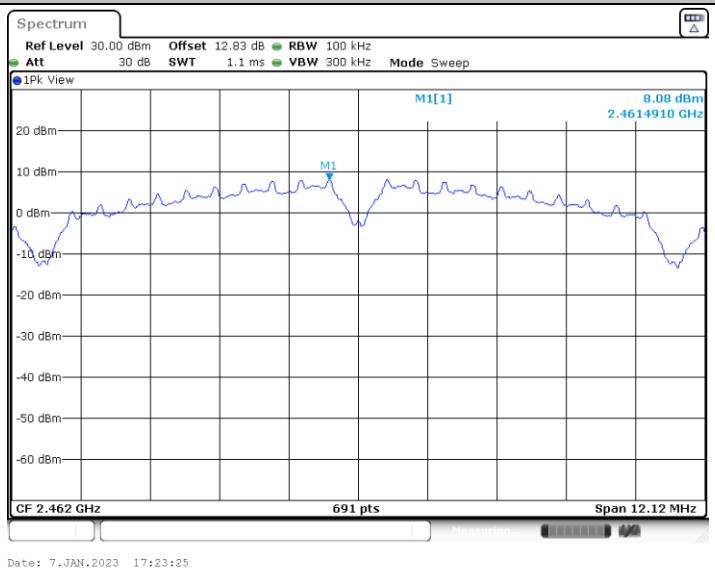

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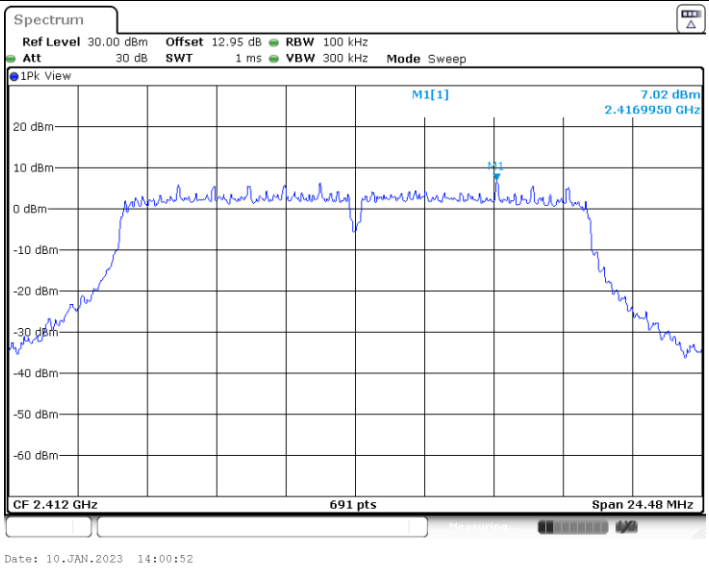
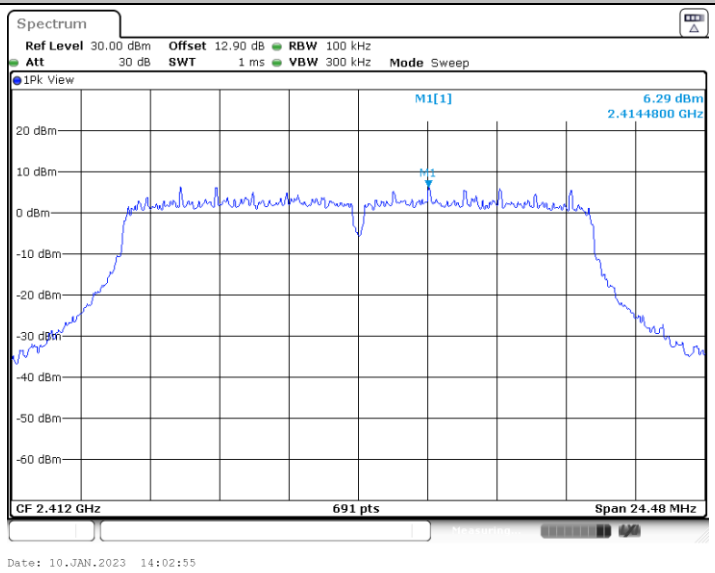



11G-CDD_Ant10_2412



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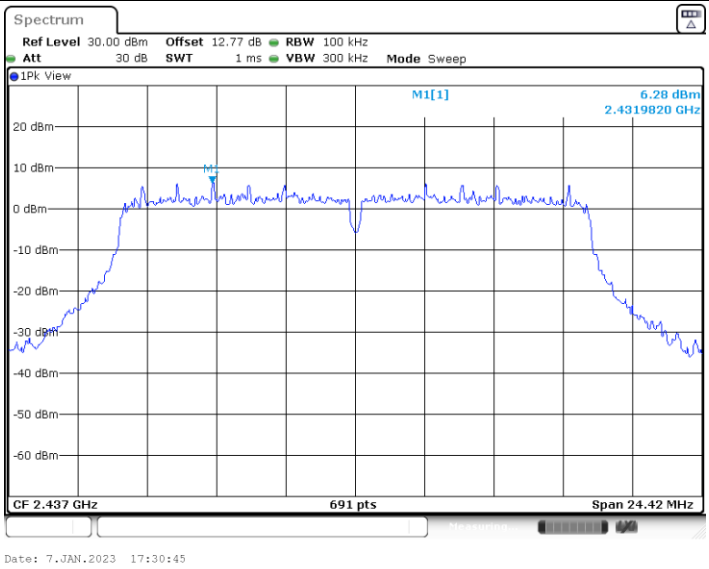


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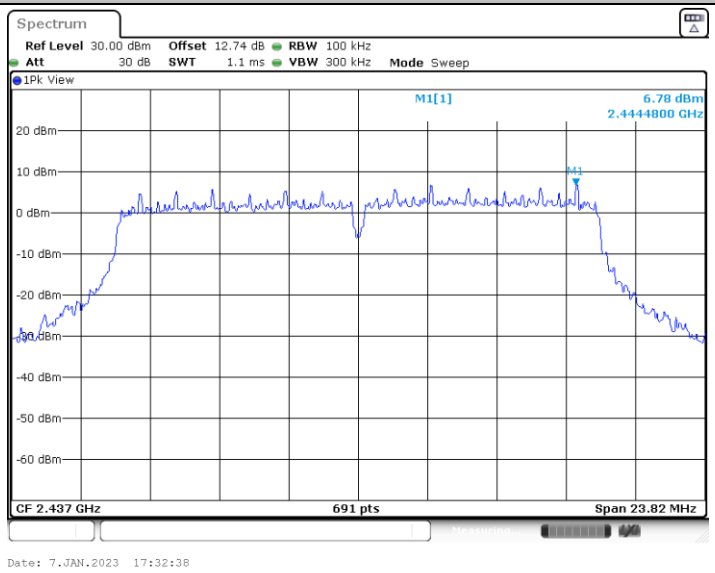

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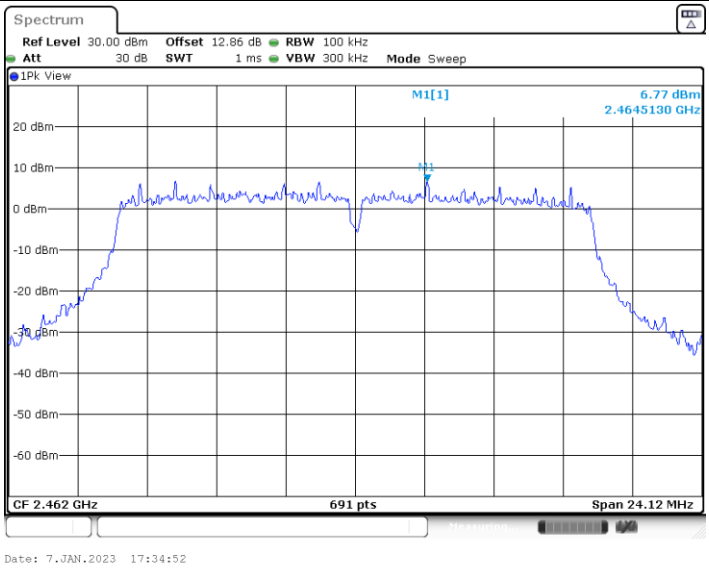


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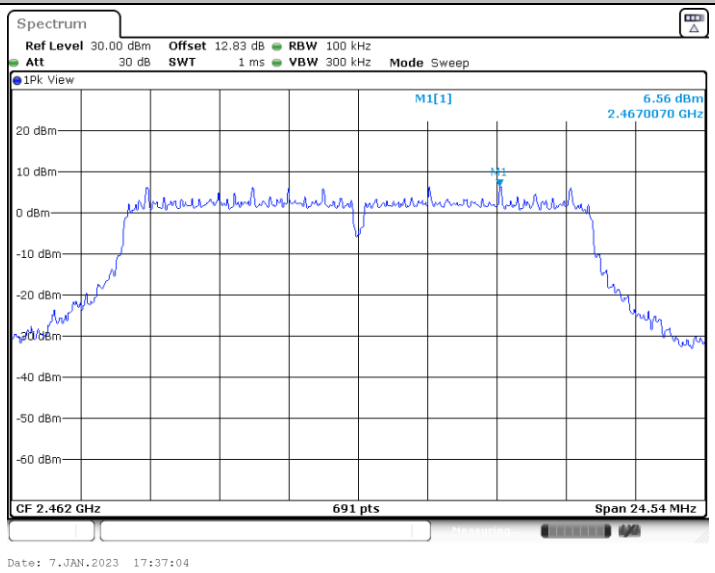
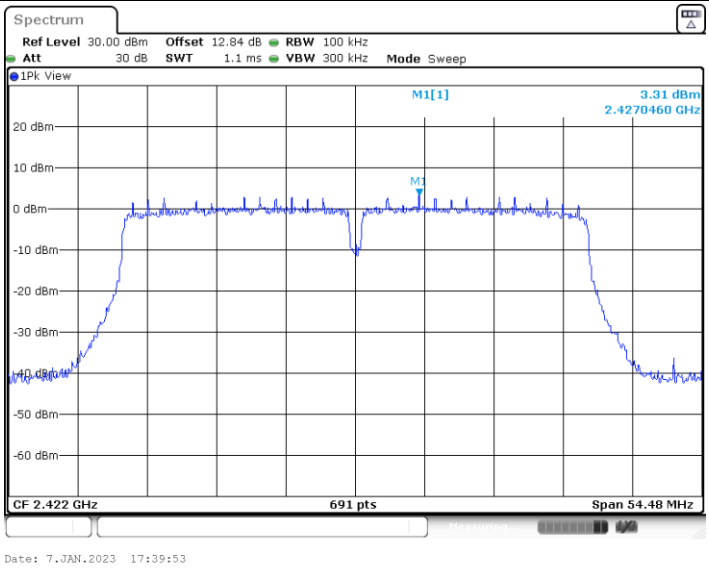


11N40MIMO_Ant9_2422

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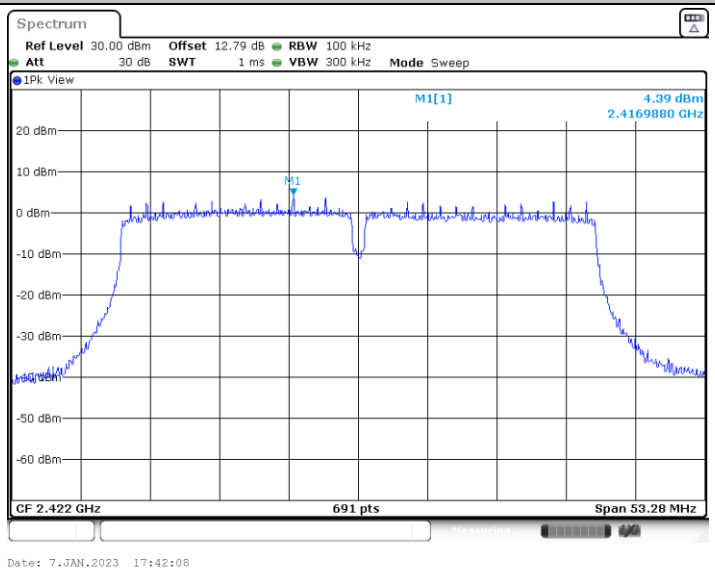

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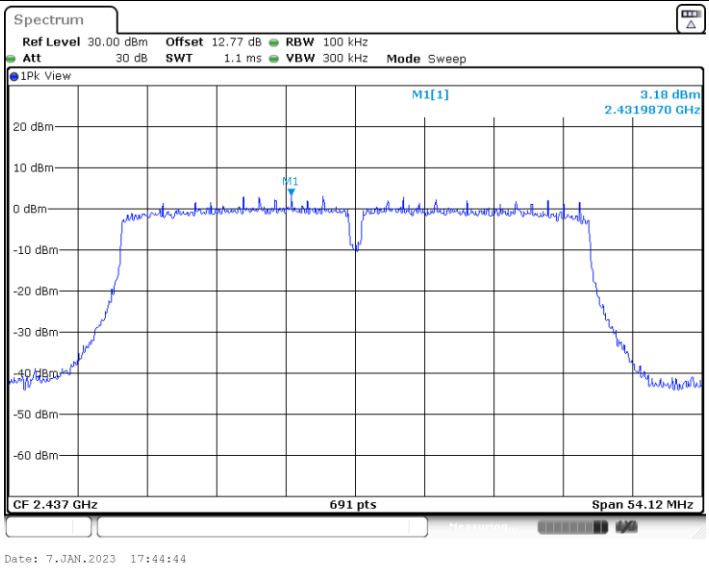


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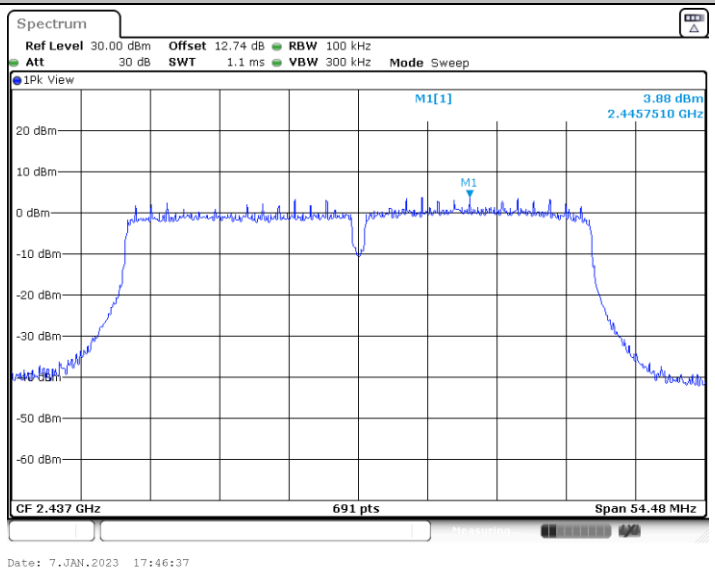

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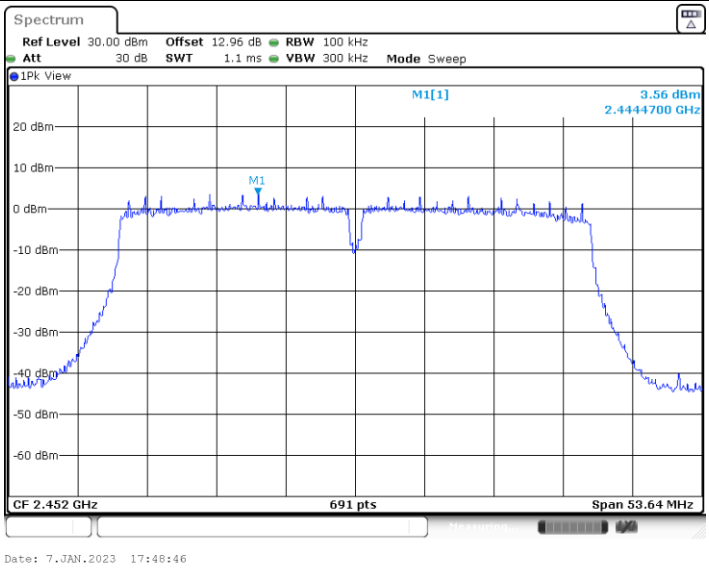


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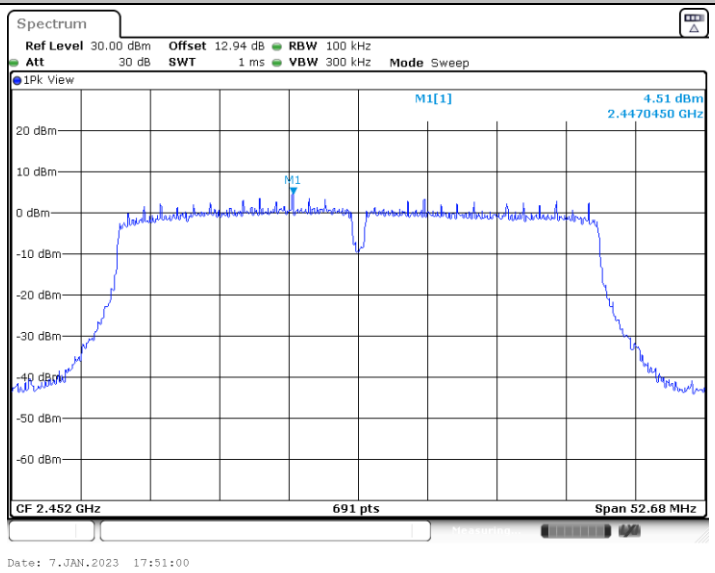
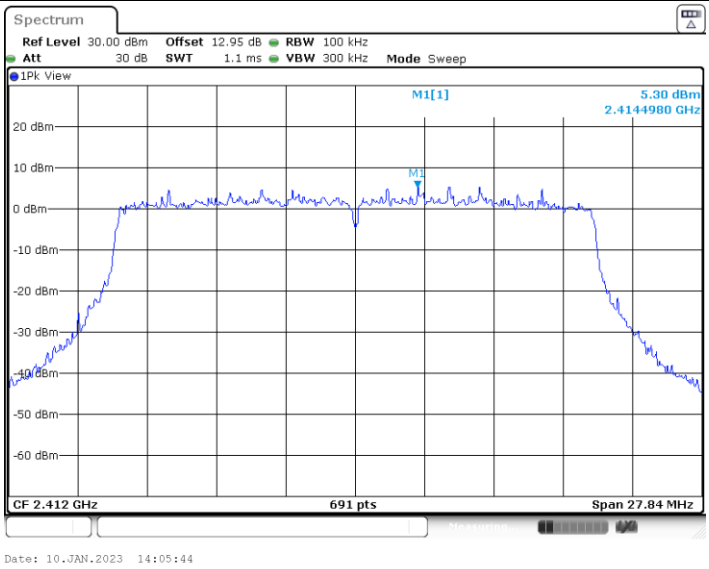


11AX20MIMO_Ant9_2412

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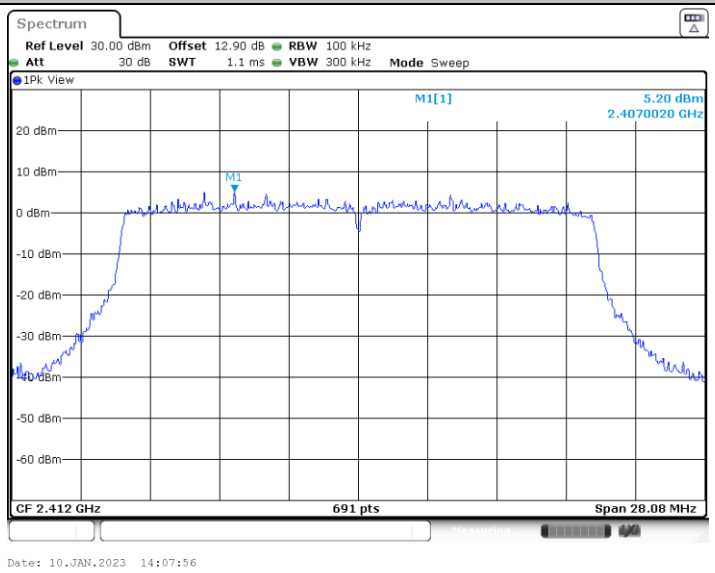

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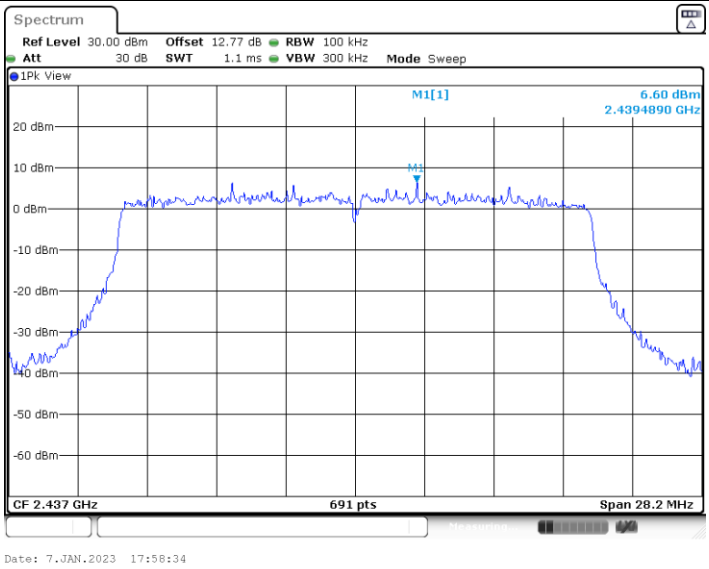


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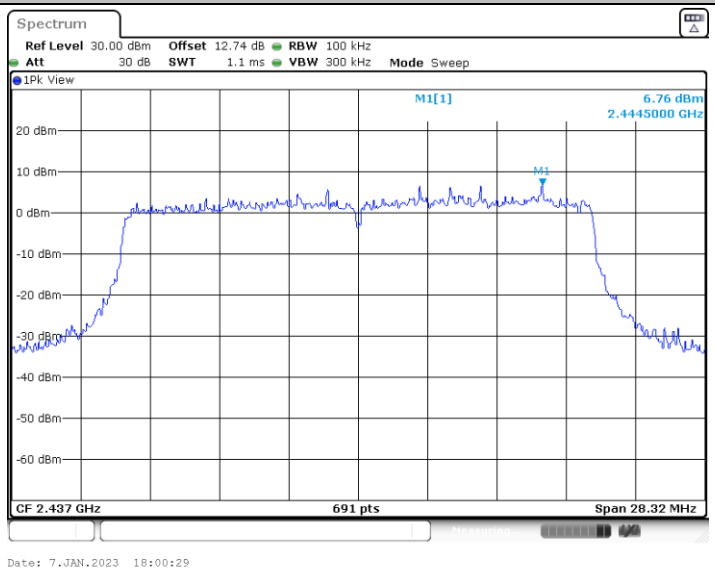
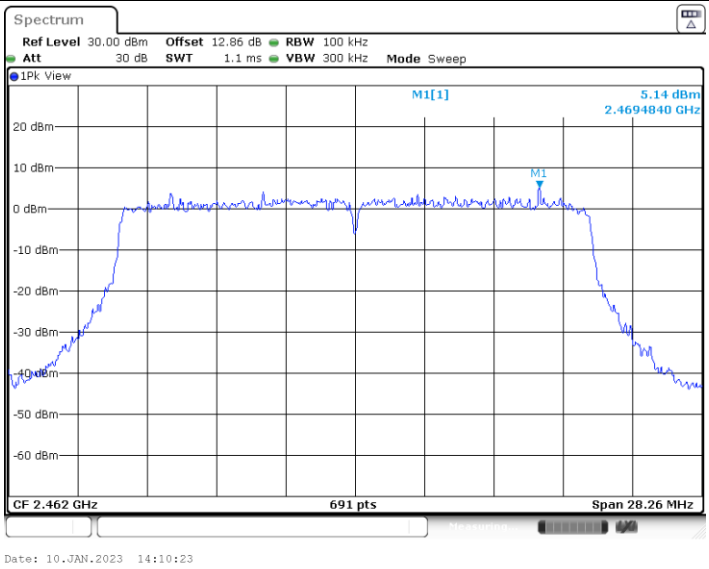


11AX20MIMO_Ant9_2462

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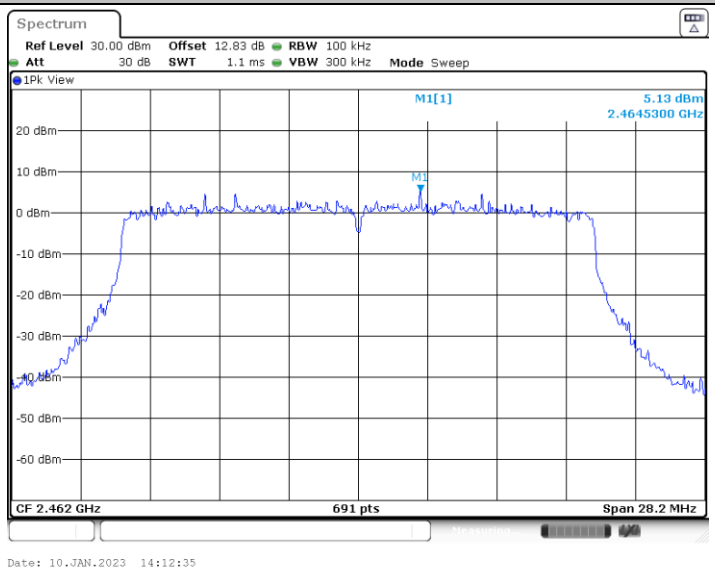

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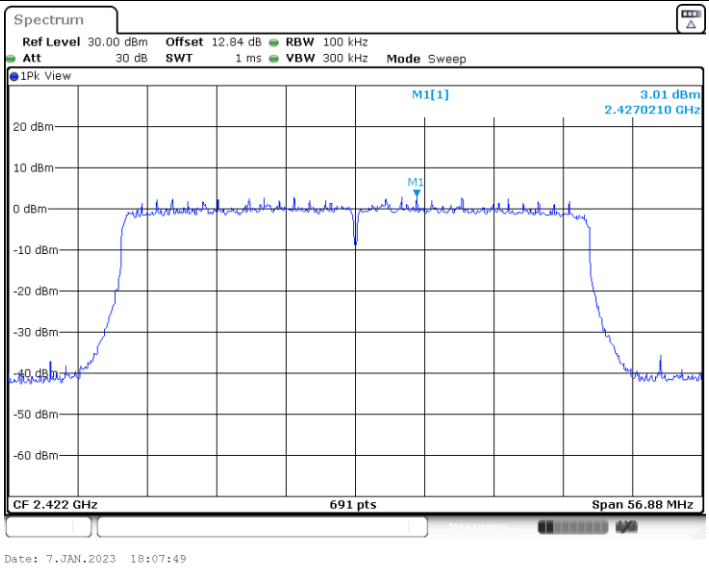


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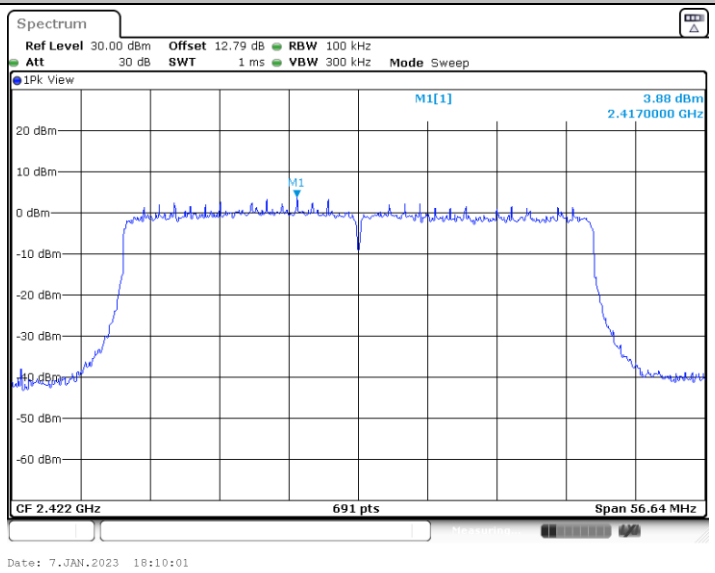

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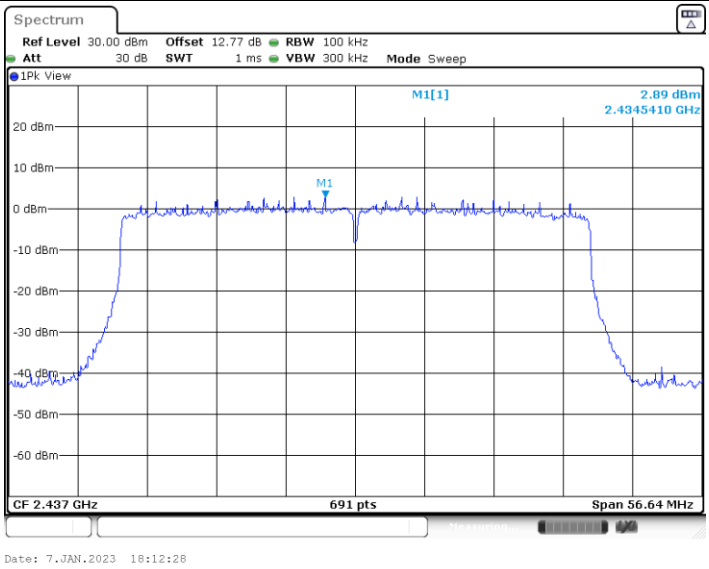


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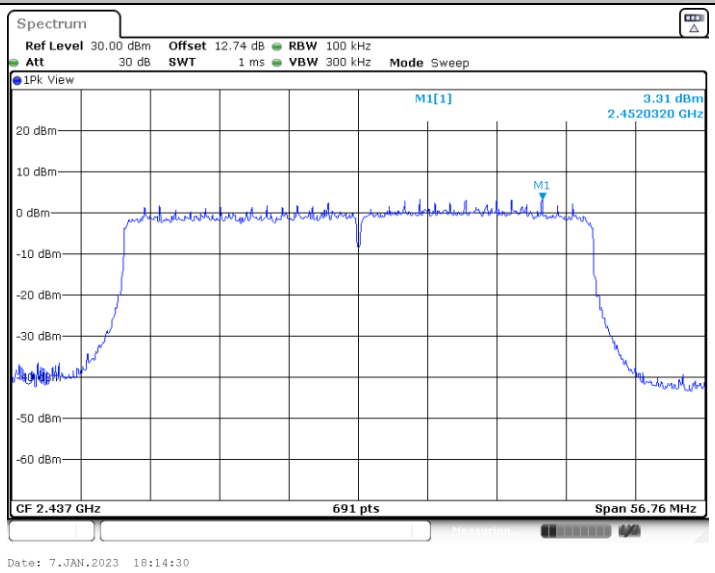

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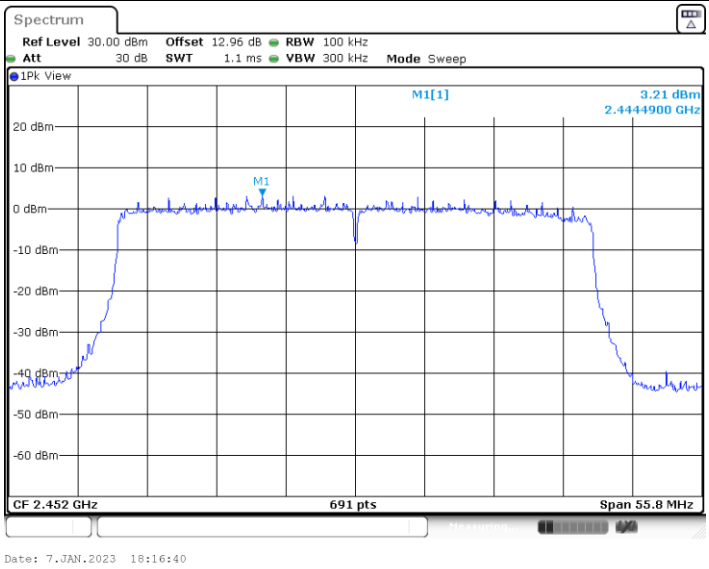


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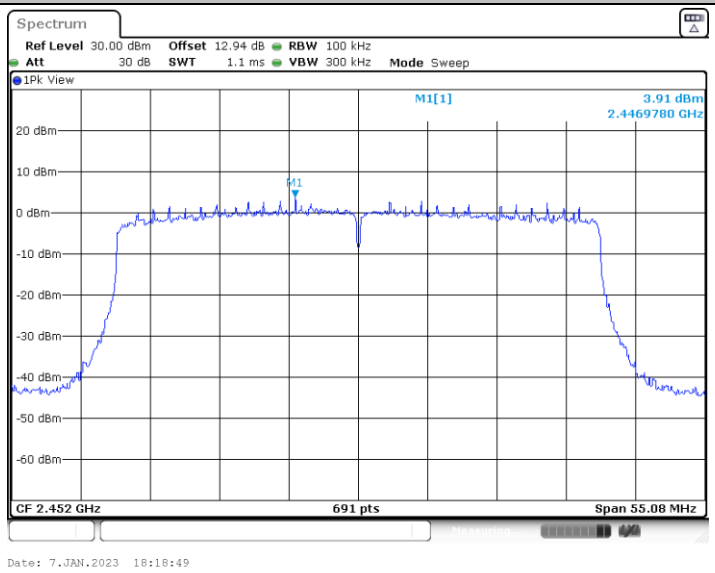


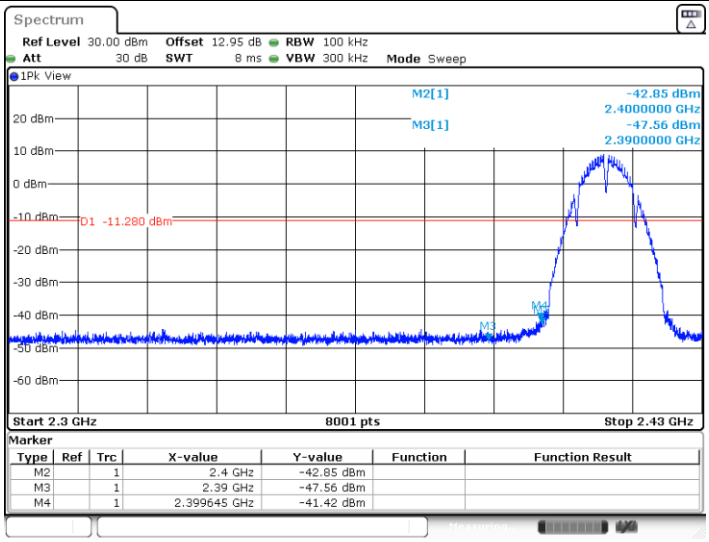
# Band edge measurements

## Test Result

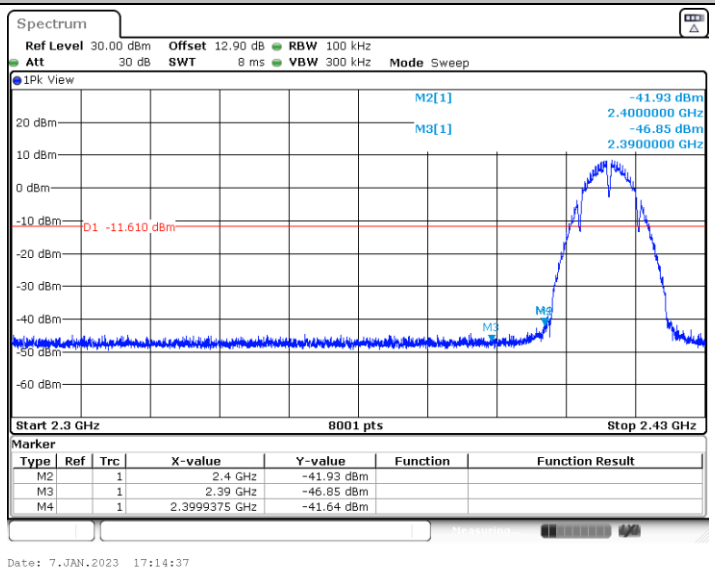
| TestMode | Antenna | ChName | Freq(MHz) | RefLevel[dBm/100KHz] | Result[dBm/100KHz] | Limit[dBm/100KHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B-CDD | Ant9 | Low | 2412 | 8.72 | -41.42 | ≤-11.28 | PASS |
| | Ant10 | Low | 2412 | 8.39 | -41.64 | ≤-11.61 | PASS |
| | Ant9 | High | 2462 | 8.45 | -43.67 | ≤-11.55 | PASS |
| | Ant10 | High | 2462 | 8.08 | -43.16 | ≤-11.92 | PASS |
| 11G-CDD | Ant9 | Low | 2412 | 7.02 | -32.84 | ≤-12.98 | PASS |
| | Ant10 | Low | 2412 | 6.29 | -31.92 | ≤-13.71 | PASS |
| | Ant9 | High | 2462 | 6.77 | -41.89 | ≤-13.23 | PASS |
| | Ant10 | High | 2462 | 6.56 | -41.15 | ≤-13.44 | PASS |
| 11N40MIMO | Ant9 | Low | 2422 | 3.31 | -37.93 | ≤-16.69 | PASS |
| | Ant10 | Low | 2422 | 4.39 | -36.36 | ≤-15.61 | PASS |
| | Ant9 | High | 2452 | 3.56 | -40.56 | ≤-16.44 | PASS |
| | Ant10 | High | 2452 | 4.51 | -43.86 | ≤-15.49 | PASS |
| 11AX20MIMO | Ant9 | Low | 2412 | 5.30 | -34.64 | ≤-14.7 | PASS |
| | Ant10 | Low | 2412 | 5.20 | -33.35 | ≤-14.8 | PASS |
| | Ant9 | High | 2462 | 5.14 | -42.61 | ≤-14.86 | PASS |
| | Ant10 | High | 2462 | 5.13 | -43 | ≤-14.87 | PASS |
| 11AX40MIMO | Ant9 | Low | 2422 | 3.01 | -37.39 | ≤-16.99 | PASS |
| | Ant10 | Low | 2422 | 3.88 | -37.39 | ≤-16.12 | PASS |
| | Ant9 | High | 2452 | 3.21 | -42.16 | ≤-16.79 | PASS |
| | Ant10 | High | 2452 | 3.91 | -42.74 | ≤-16.09 | PASS |

## Test Graphs

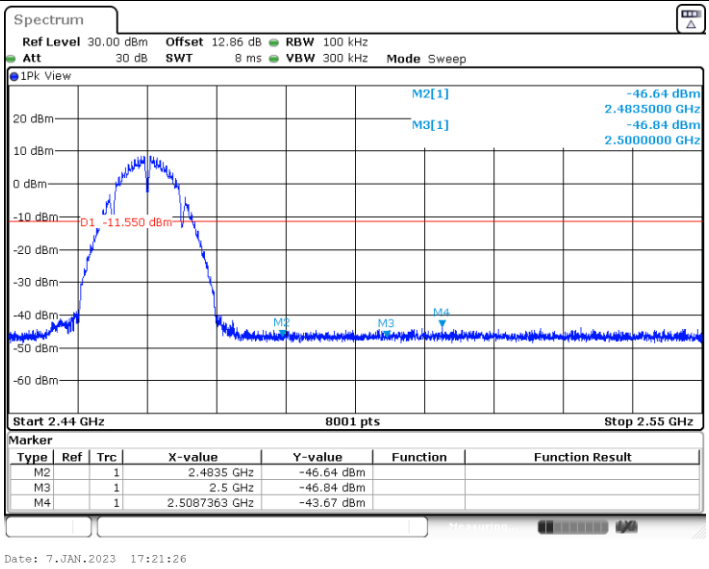
11B-CDD_Ant9_Low_2412



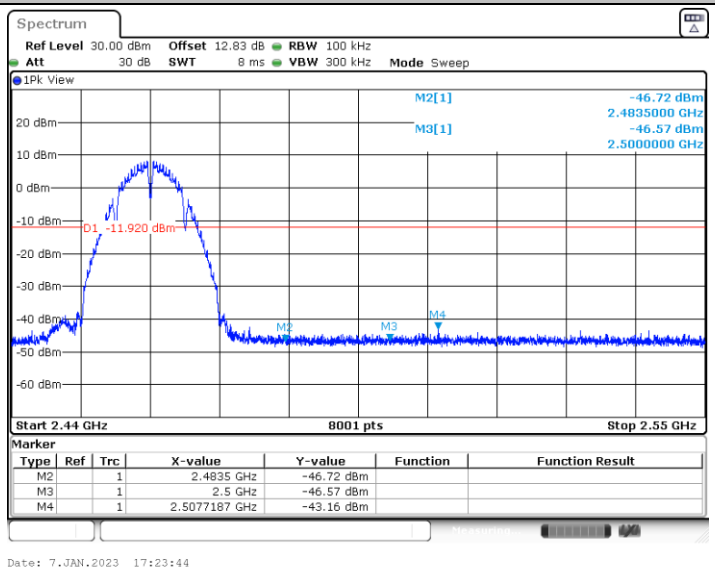

11B-CDD_Ant10_Low_2412



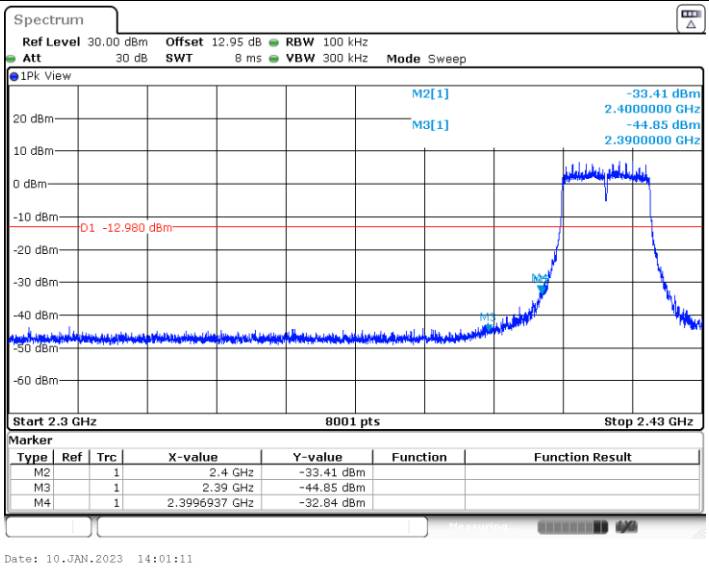
11B-CDD_Ant9_High_2462



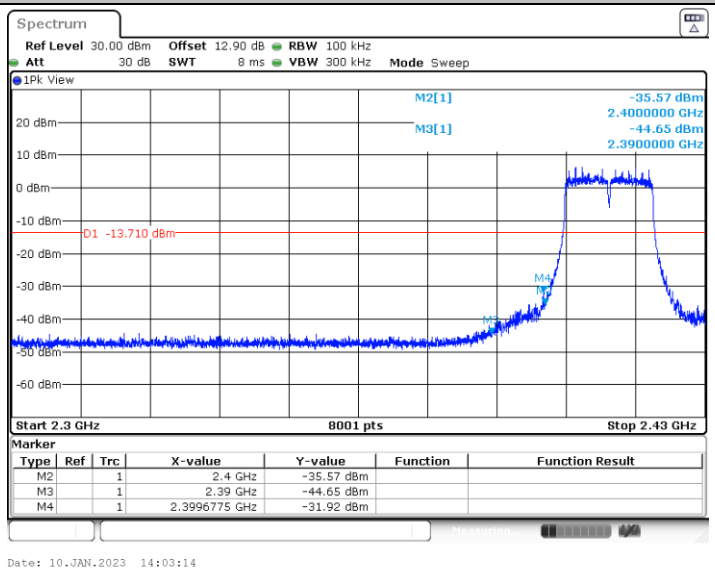

11B-CDD_Ant10_High_2462



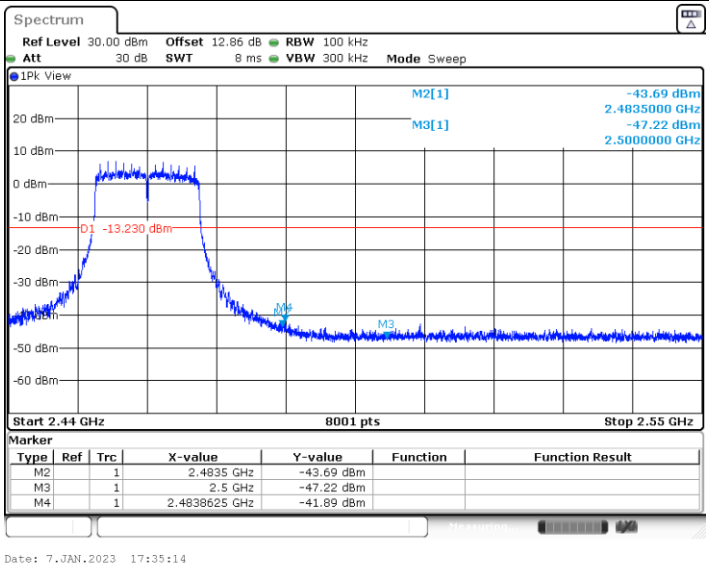
11G-CDD_Ant9_Low_2412



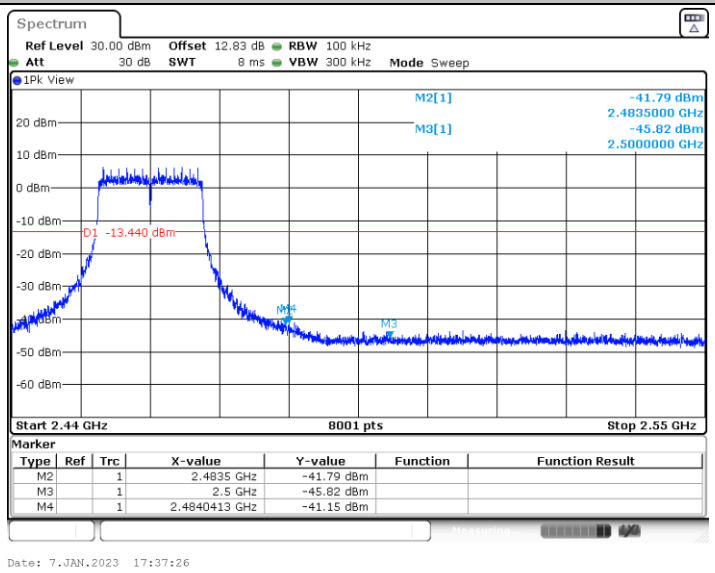

11G-CDD_Ant10_Low_2412



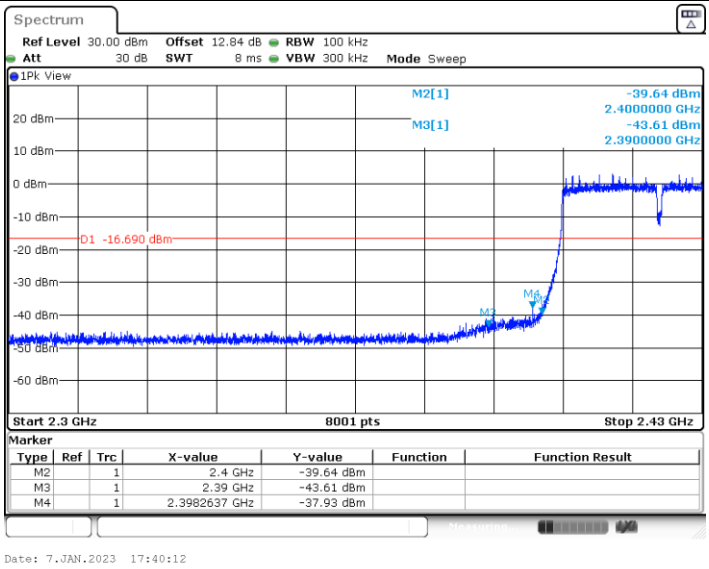
11G-CDD_Ant9_High_2462



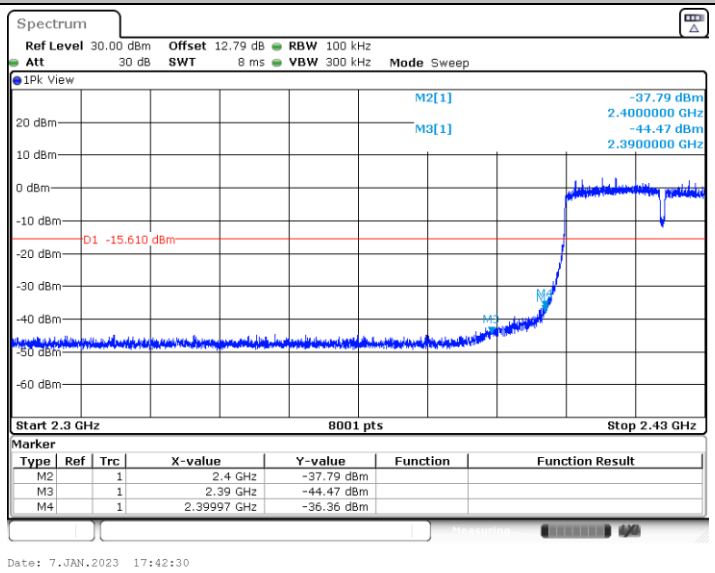

11G-CDD_Ant10_High_2462



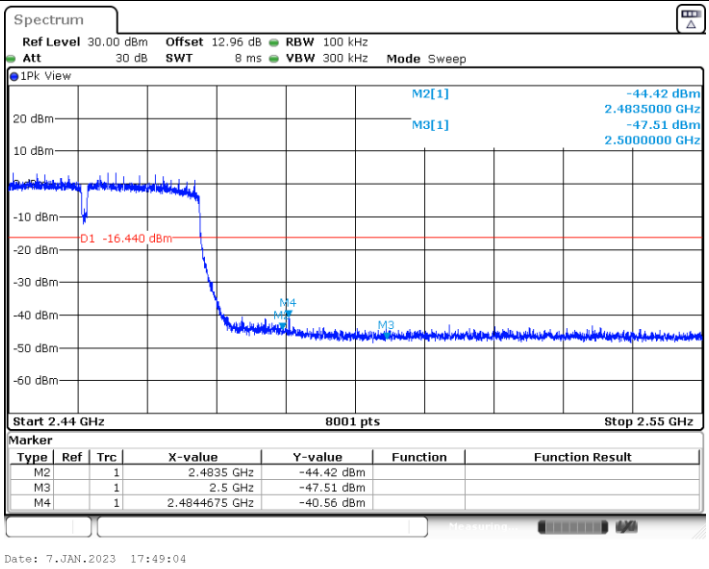
11N40MIMO_Ant9_Low_2422



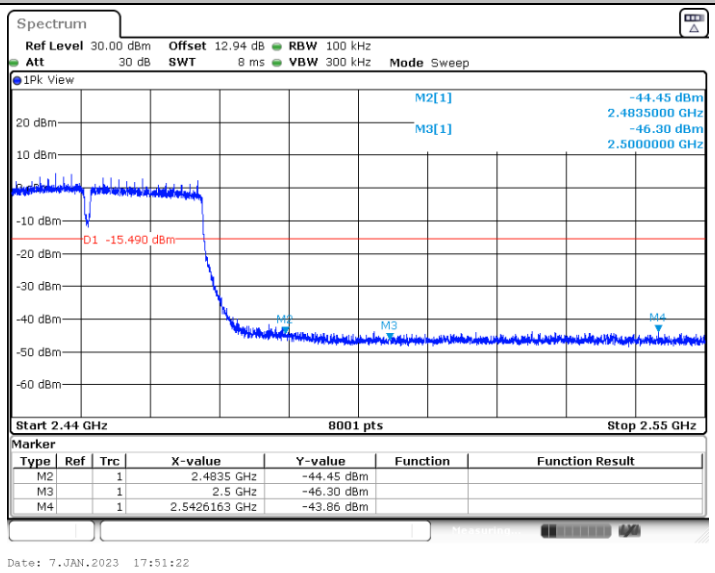

11N40MIMO_Ant10_Low_2422



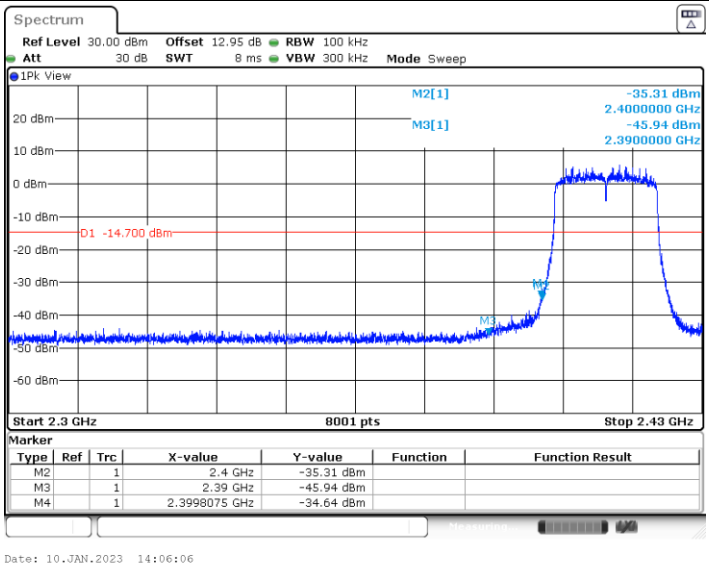
11N40MIMO_Ant9_High_2452



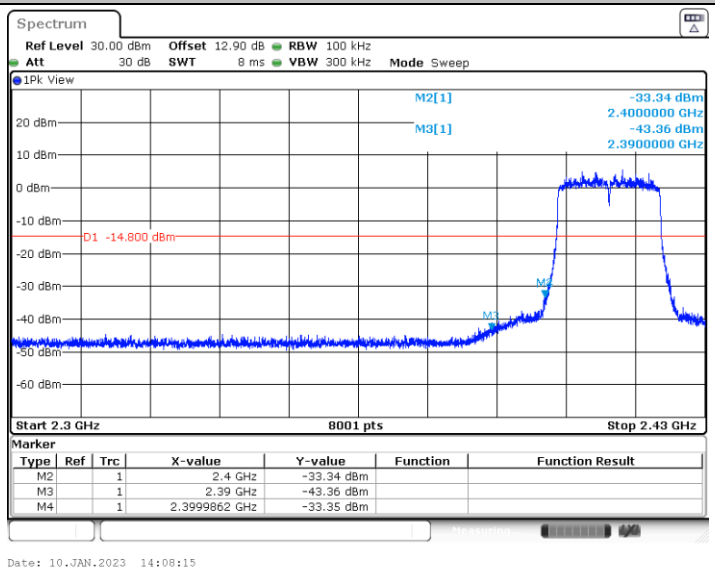

11N40MIMO_Ant10_High_2452



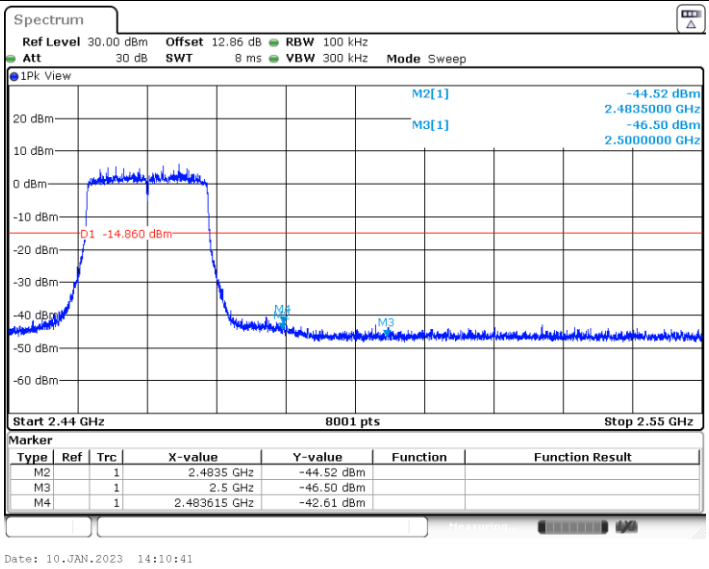
11AX20MIMO_Ant9_Low_2412



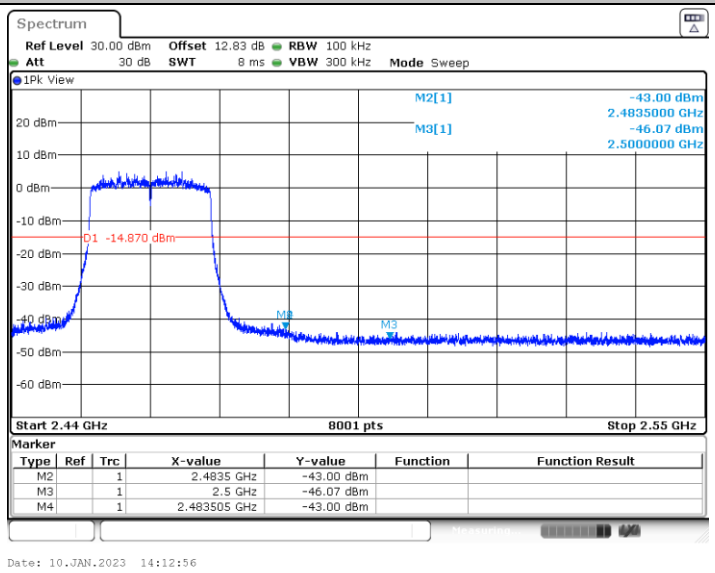

11AX20MIMO_Ant10_Low_2412



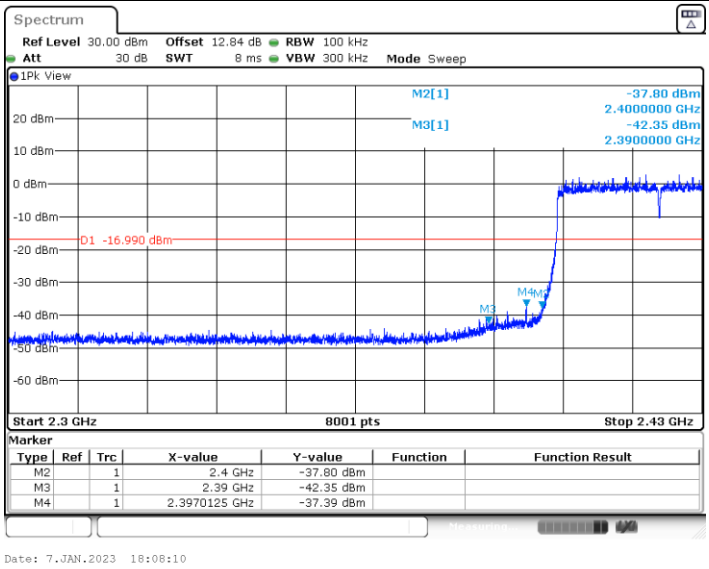
11AX20MIMO_Ant9_High_2462



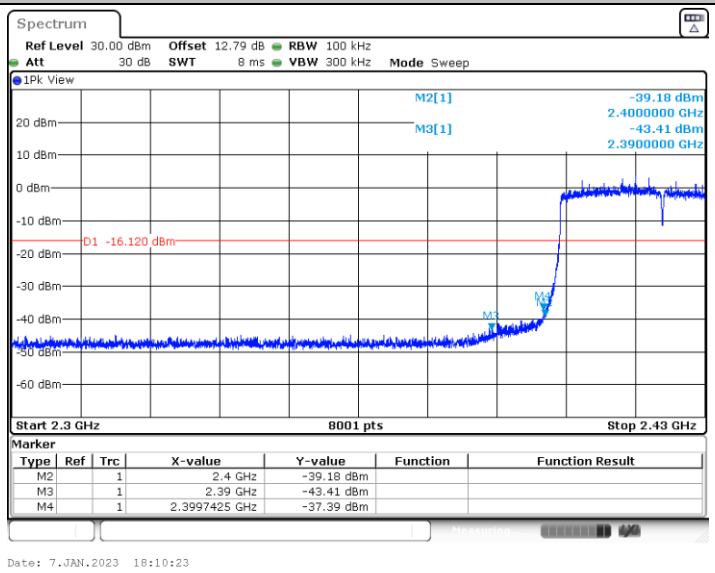

11AX20MIMO_Ant10_High_2462



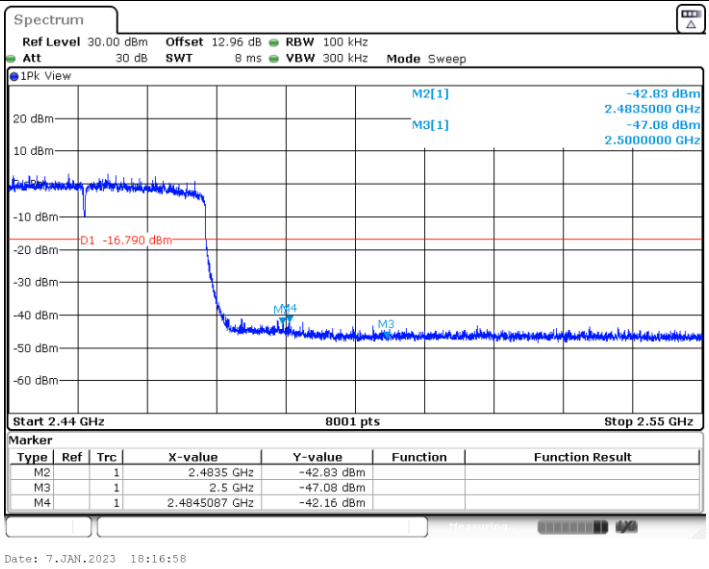
11AX40MIMO_Ant9_Low_2422



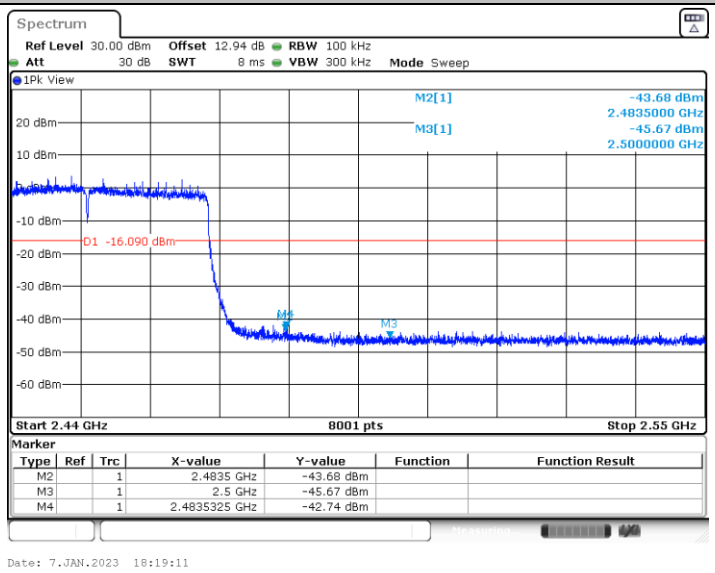

11AX40MIMO_Ant10_Low_2422



11AX40MIMO_Ant9_High_2452




11AX40MIMO_Ant10_High_2452



# Conducted Spurious Emission

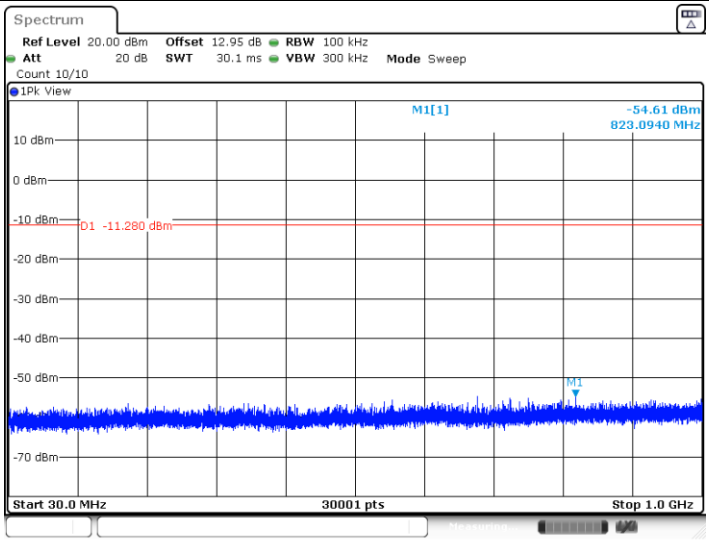
## Test Result

| TestMode | Antenna | Freq(MHz) | FreqRange [Mhz] | RefLevel [dBm/100KHz] | Result [dBm/100KHz] | Limit [dBm/100KHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B-CDD | Ant9 | 2412 | 30~1000 | 8.72 | -54.61 | ≤-11.28 | PASS |
| | | | 1000~26500 | 8.72 | -45.52 | ≤-11.28 | PASS |
| | Ant10 | 2412 | 30~1000 | 8.39 | -54.87 | ≤-11.61 | PASS |
| | | | 1000~26500 | 8.39 | -45.86 | ≤-11.61 | PASS |
| | Ant9 | 2437 | 30~1000 | 9.60 | -55.45 | ≤-10.4 | PASS |
| | | | 1000~26500 | 9.60 | -45.38 | ≤-10.4 | PASS |
| | Ant10 | 2437 | 30~1000 | 9.43 | -55.65 | ≤-10.57 | PASS |
| | | | 1000~26500 | 9.43 | -45.7 | ≤-10.57 | PASS |
| | Ant9 | 2462 | 30~1000 | 8.45 | -55.19 | ≤-11.55 | PASS |
| | | | 1000~26500 | 8.45 | -46.48 | ≤-11.55 | PASS |
| | Ant10 | 2462 | 30~1000 | 8.08 | -55.53 | ≤-11.92 | PASS |
| | | | 1000~26500 | 8.08 | -45.98 | ≤-11.92 | PASS |
| 11G-CDD | Ant9 | 2412 | 30~1000 | 7.02 | -54.59 | ≤-12.98 | PASS |
| | | | 1000~26500 | 7.02 | -45.07 | ≤-12.98 | PASS |
| | Ant10 | 2412 | 30~1000 | 6.29 | -54.73 | ≤-13.71 | PASS |
| | | | 1000~26500 | 6.29 | -46.24 | ≤-13.71 | PASS |
| | Ant9 | 2437 | 30~1000 | 6.28 | -55.31 | ≤-13.72 | PASS |
| | | | 1000~26500 | 6.28 | -44.88 | ≤-13.72 | PASS |
| | Ant10 | 2437 | 30~1000 | 6.78 | -55.1 | ≤-13.22 | PASS |
| | | | 1000~26500 | 6.78 | -45.77 | ≤-13.22 | PASS |
| | Ant9 | 2462 | 30~1000 | 6.77 | -55.03 | ≤-13.23 | PASS |
| | | | 1000~26500 | 6.77 | -44.79 | ≤-13.23 | PASS |
| | Ant10 | 2462 | 30~1000 | 6.56 | -54.44 | ≤-13.44 | PASS |
| | | | 1000~26500 | 6.56 | -46.1 | ≤-13.44 | PASS |
| 11N40MIMO | Ant9 | 2422 | 30~1000 | 3.31 | -55.57 | ≤-16.69 | PASS |
| | | | 1000~26500 | 3.31 | -46.2 | ≤-16.69 | PASS |
| | Ant10 | 2422 | 30~1000 | 4.39 | -55.51 | ≤-15.61 | PASS |
| | | | 1000~26500 | 4.39 | -45.7 | ≤-15.61 | PASS |
| | Ant9 | 2437 | 30~1000 | 3.18 | -55.18 | ≤-16.82 | PASS |
| | | | 1000~26500 | 3.18 | -46.34 | ≤-16.82 | PASS |
| | Ant10 | 2437 | 30~1000 | 3.88 | -55.24 | ≤-16.12 | PASS |
| | | | 1000~26500 | 3.88 | -46.42 | ≤-16.12 | PASS |
| | Ant9 | 2452 | 30~1000 | 3.56 | -54.5 | ≤-16.44 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | 1000~26500 | 3.56 | -45.74 | ≤-16.44 | PASS |
| | Ant10 | 2452 | 30~1000 | 4.51 | -55.2 | ≤-15.49 | PASS |
| | | | 1000~26500 | 4.51 | -42.66 | ≤-15.49 | PASS |
| 11AX20MIMO | Ant9 | 2412 | 30~1000 | 5.30 | -54.54 | ≤-14.7 | PASS |
| | | | 1000~26500 | 5.30 | -46.04 | ≤-14.7 | PASS |
| | Ant10 | 2412 | 30~1000 | 5.20 | -54.73 | ≤-14.8 | PASS |
| | | | 1000~26500 | 5.20 | -45.18 | ≤-14.8 | PASS |
| | Ant9 | 2437 | 30~1000 | 6.60 | -55.12 | ≤-13.4 | PASS |
| | | | 1000~26500 | 6.60 | -46.25 | ≤-13.4 | PASS |
| | Ant10 | 2437 | 30~1000 | 6.76 | -55.13 | ≤-13.24 | PASS |
| | | | 1000~26500 | 6.76 | -46.27 | ≤-13.24 | PASS |
| | Ant9 | 2462 | 30~1000 | 5.14 | -55.05 | ≤-14.86 | PASS |
| | | | 1000~26500 | 5.14 | -45.68 | ≤-14.86 | PASS |
| | Ant10 | 2462 | 30~1000 | 5.13 | -54.51 | ≤-14.87 | PASS |
| | | | 1000~26500 | 5.13 | -46.23 | ≤-14.87 | PASS |
| 11AX40MIMO | Ant9 | 2422 | 30~1000 | 3.01 | -54.57 | ≤-16.99 | PASS |
| | | | 1000~26500 | 3.01 | -45.72 | ≤-16.99 | PASS |
| | Ant10 | 2422 | 30~1000 | 3.88 | -55.23 | ≤-16.12 | PASS |
| | | | 1000~26500 | 3.88 | -46.27 | ≤-16.12 | PASS |
| | Ant9 | 2437 | 30~1000 | 2.89 | -55.24 | ≤-17.11 | PASS |
| | | | 1000~26500 | 2.89 | -45.47 | ≤-17.11 | PASS |
| | Ant10 | 2437 | 30~1000 | 3.31 | -55.44 | ≤-16.69 | PASS |
| | | | 1000~26500 | 3.31 | -46.13 | ≤-16.69 | PASS |
| | Ant9 | 2452 | 30~1000 | 3.21 | -54.35 | ≤-16.79 | PASS |
| | | | 1000~26500 | 3.21 | -46.02 | ≤-16.79 | PASS |
| | Ant10 | 2452 | 30~1000 | 3.91 | -54.87 | ≤-16.09 | PASS |
| | | | 1000~26500 | 3.91 | -46.05 | ≤-16.09 | PASS |

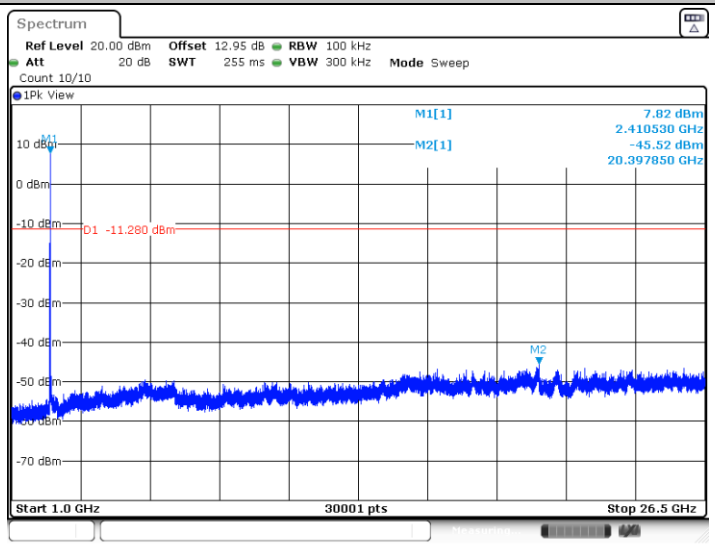
## Test Graphs

11B-CDD_Ant9_2412_30~1000



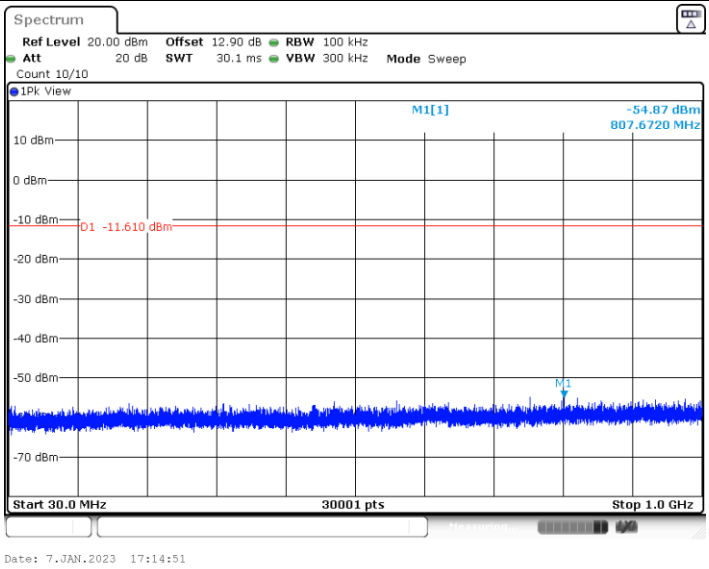

Date: 7.JAN.2023 17:10:49

11B-CDD_Ant9_2412_1000~26500

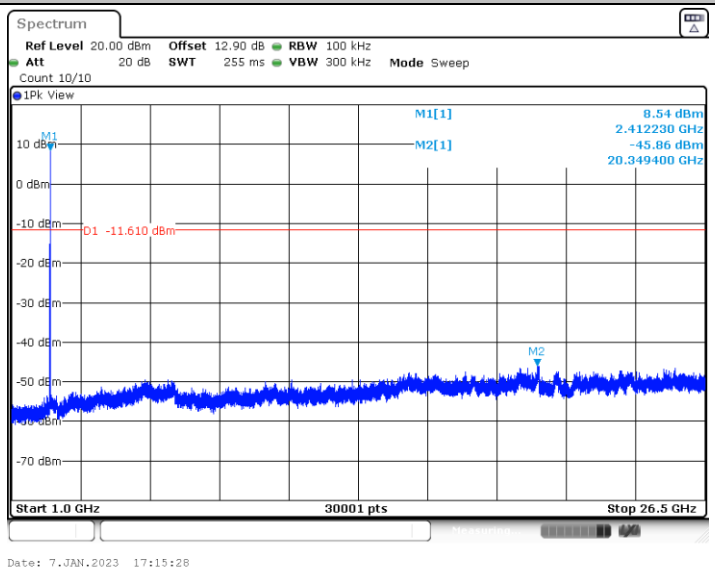



Date: 7.JAN.2023 17:11:26

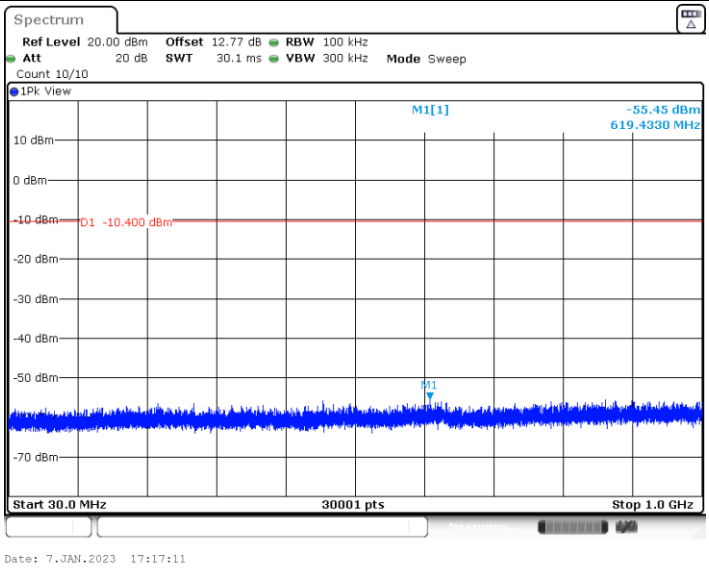
11B-CDD_Ant10_2412_30~1000



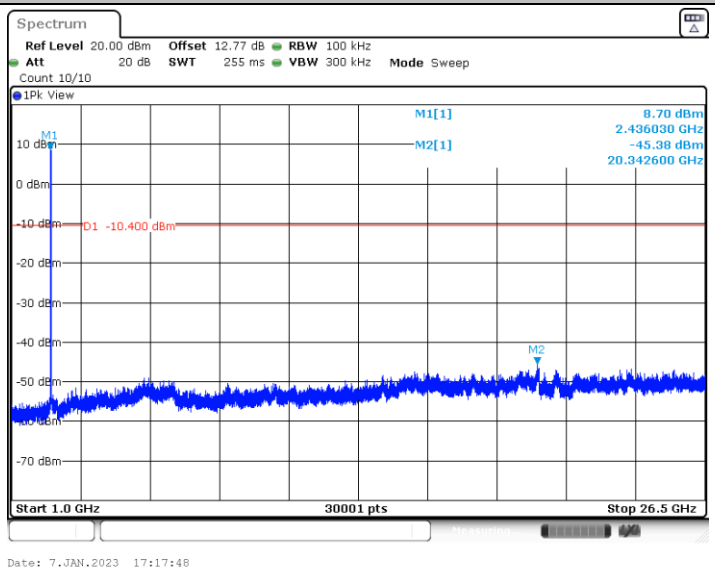

11B-CDD_Ant10_2412_1000~26500



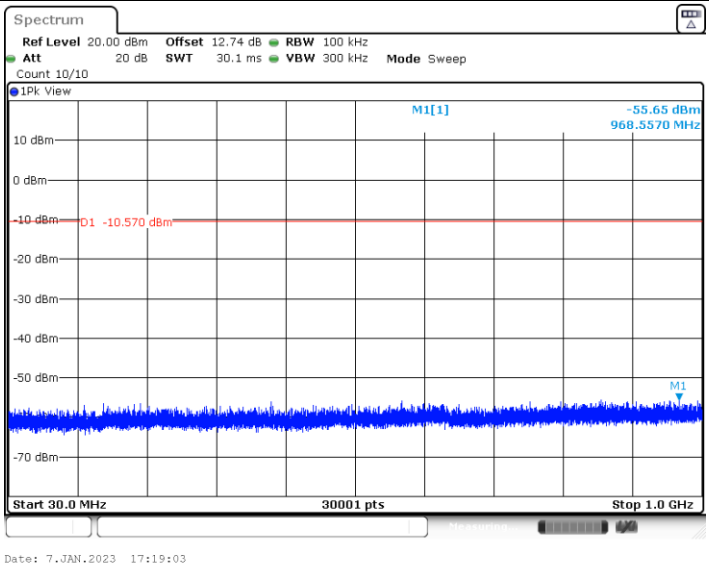
11B-CDD_Ant9_2437_30~1000



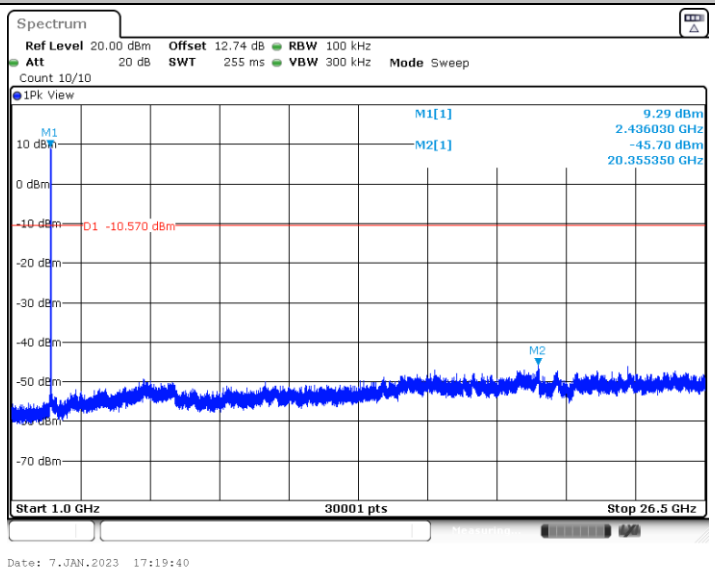

11B-CDD_Ant9_2437_1000~26500



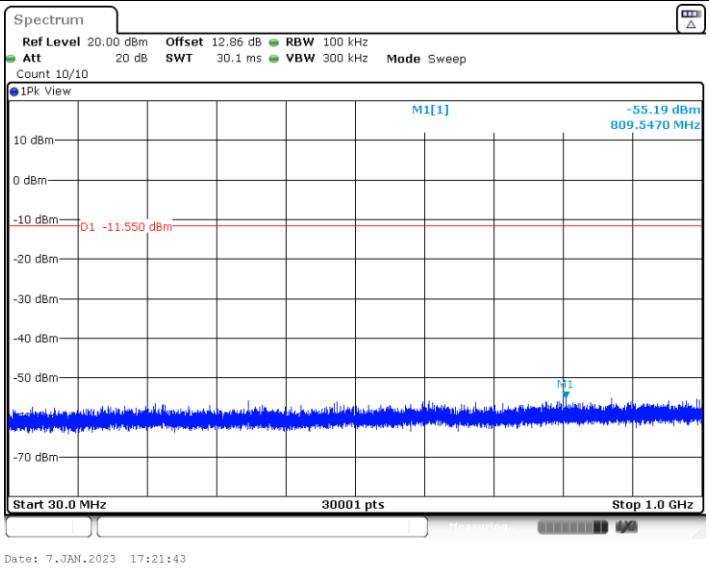
11B-CDD_Ant10_2437_30~1000



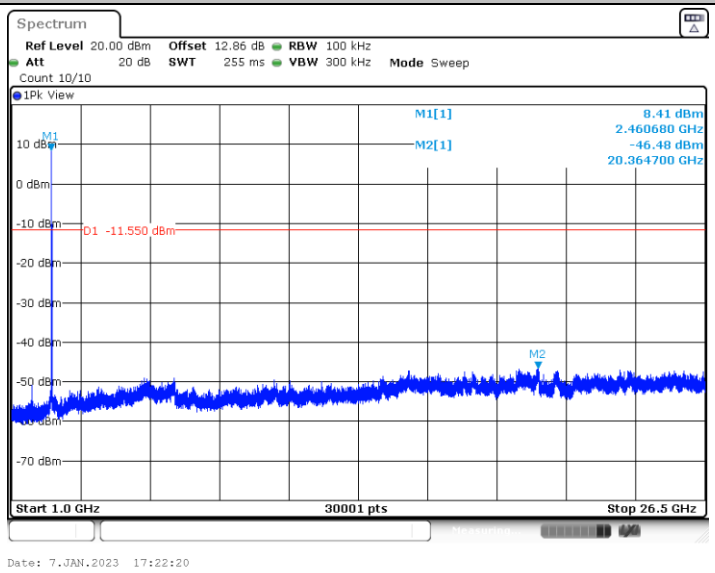

11B-CDD_Ant10_2437_1000~26500



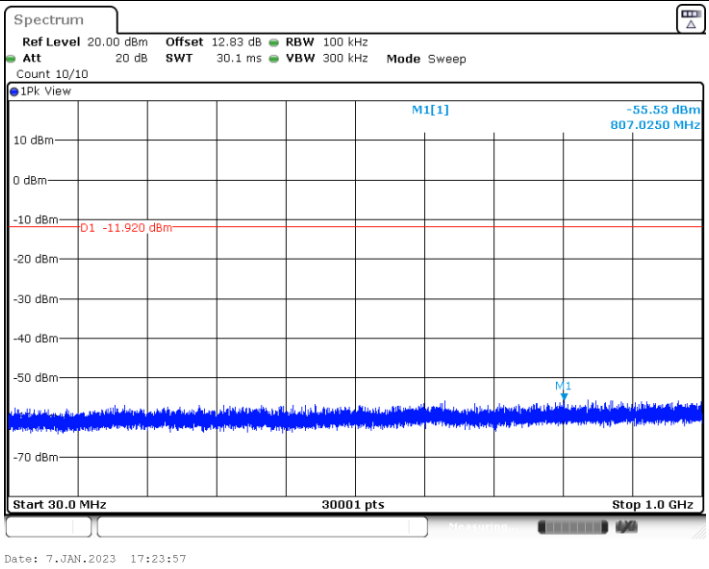
11B-CDD_Ant9_2462_30~1000



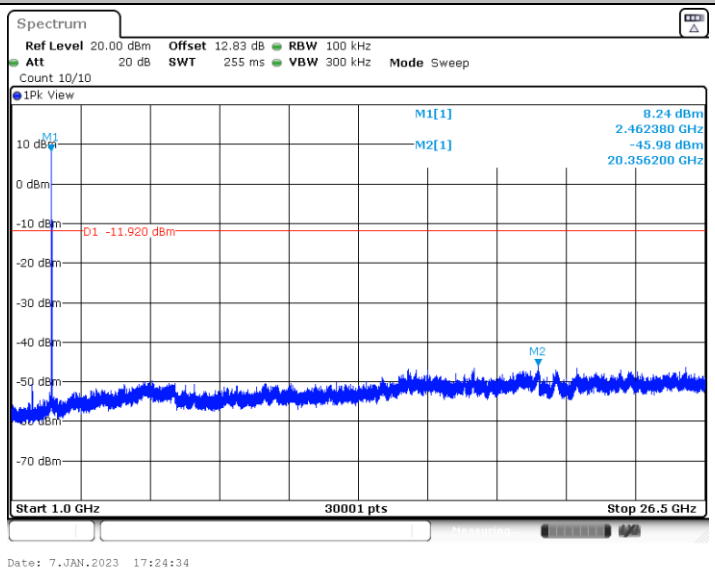

11B-CDD_Ant9_2462_1000~26500



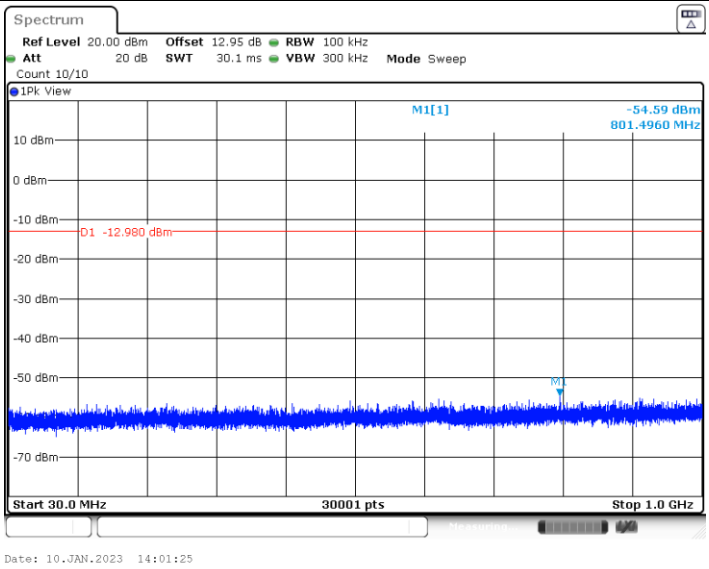
11B-CDD_Ant10_2462_30~1000



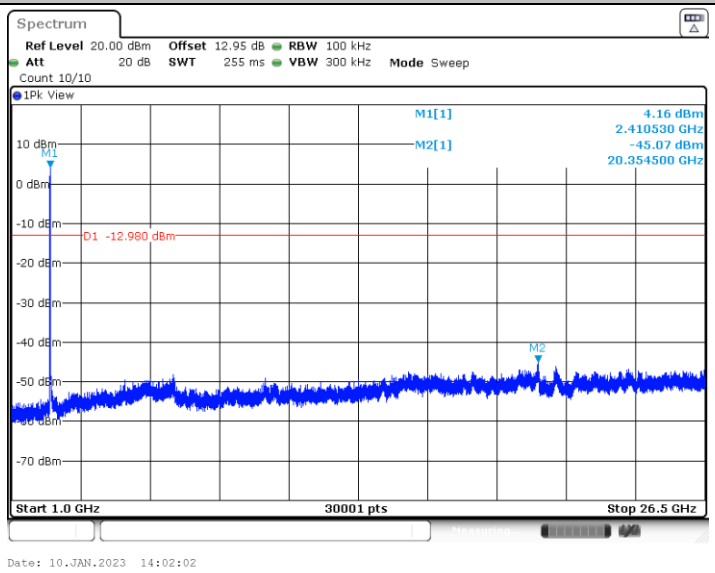

11B-CDD_Ant10_2462_1000~26500



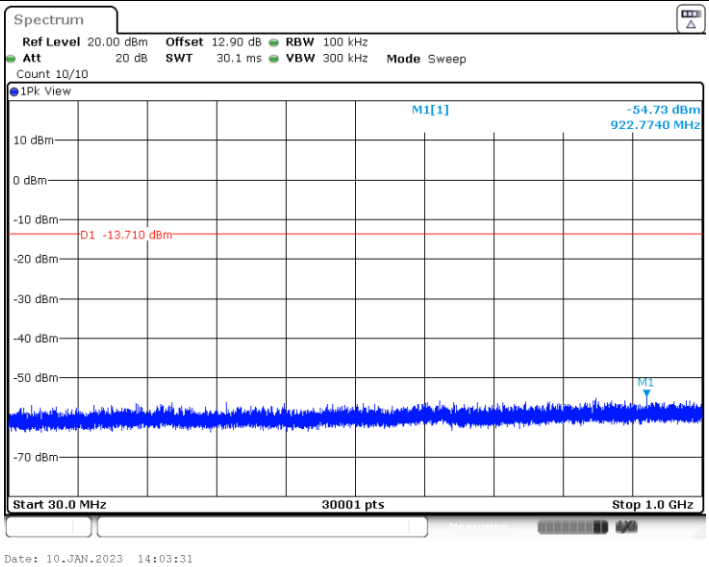
11G-CDD_Ant9_2412_30~1000



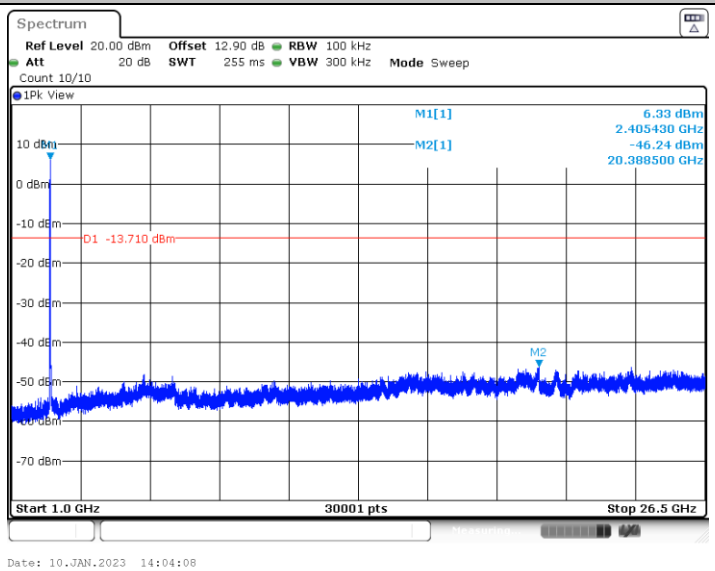

11G-CDD_Ant9_2412_1000~26500



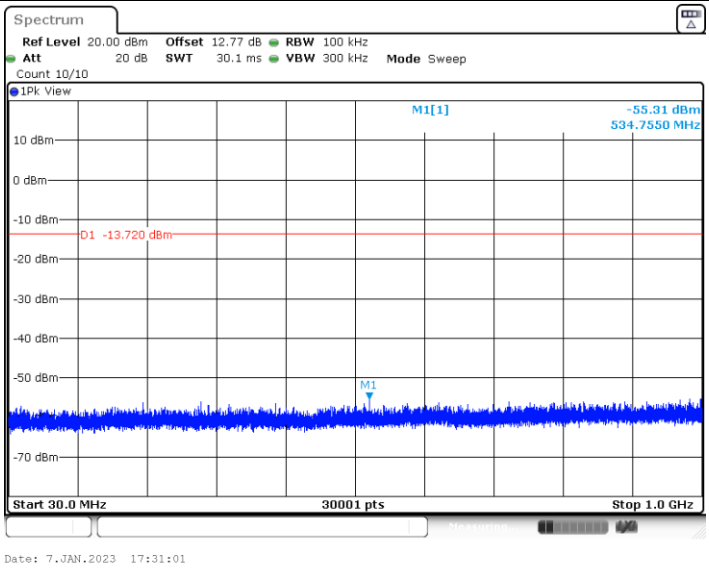
11G-CDD_Ant10_2412_30~1000



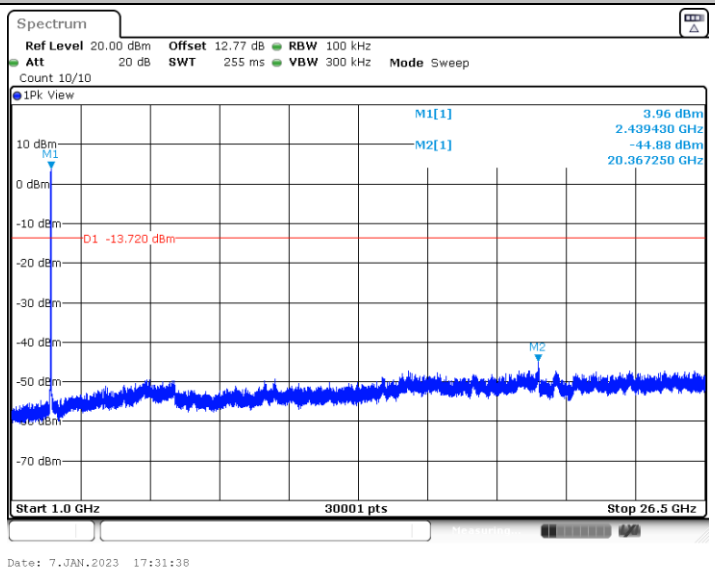

11G-CDD_Ant10_2412_1000~26500



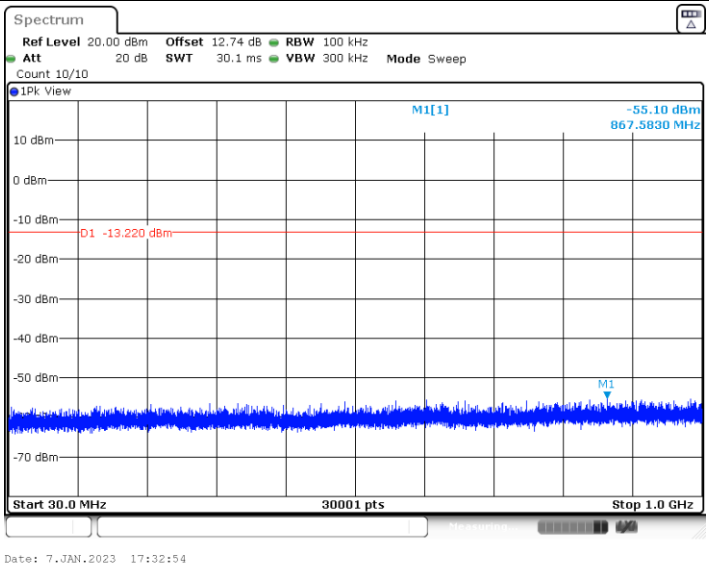
11G-CDD_Ant9_2437_30~1000



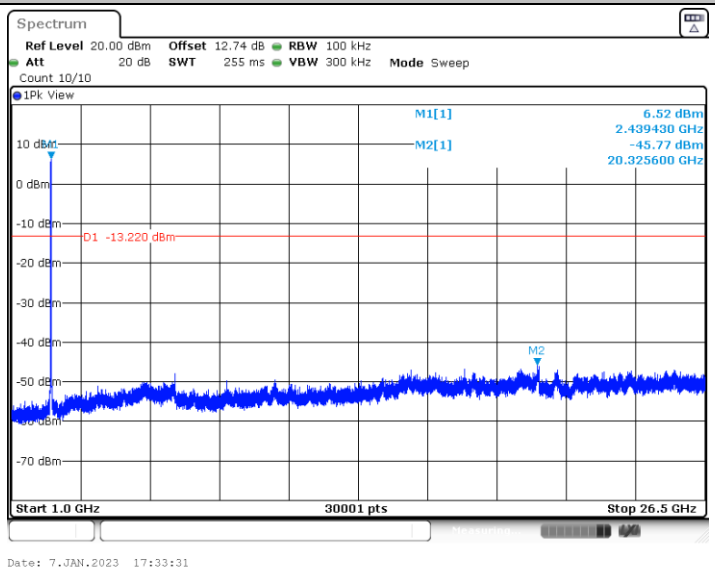

11G-CDD_Ant9_2437_1000~26500



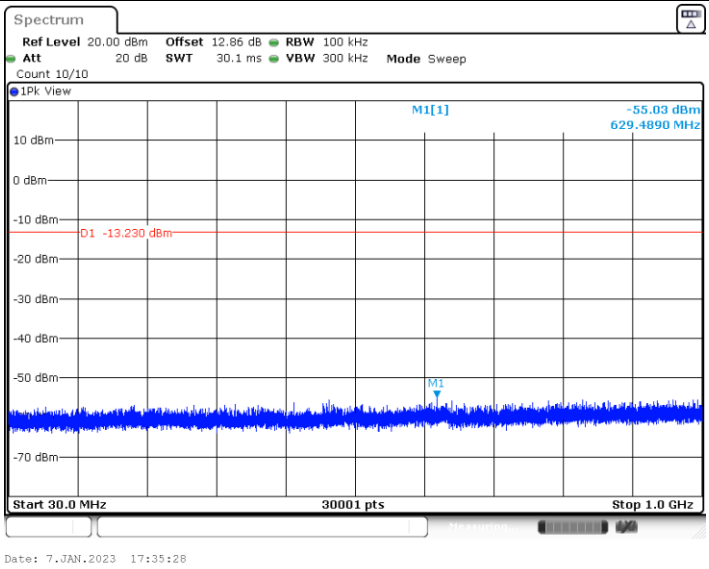
11G-CDD_Ant10_2437_30~1000



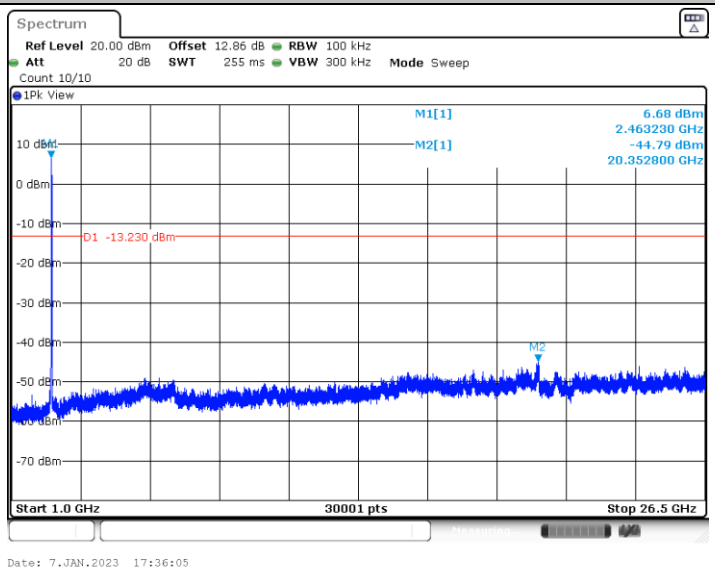

11G-CDD_Ant10_2437_1000~26500



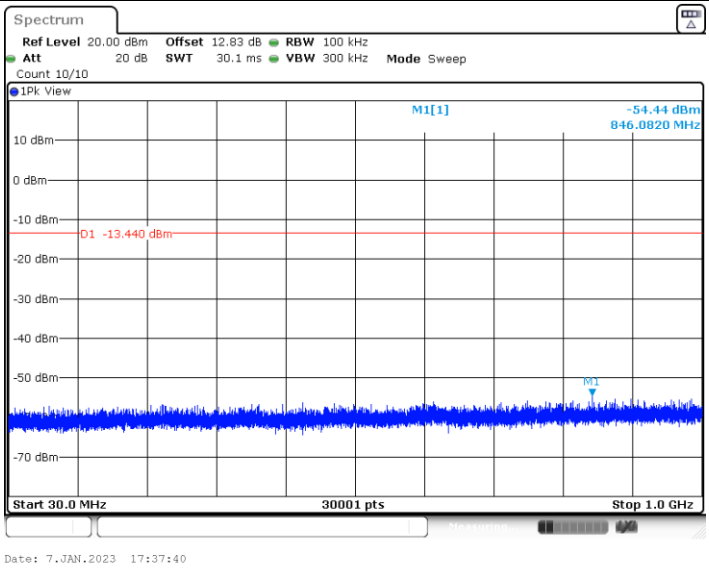
11G-CDD_Ant9_2462_30~1000



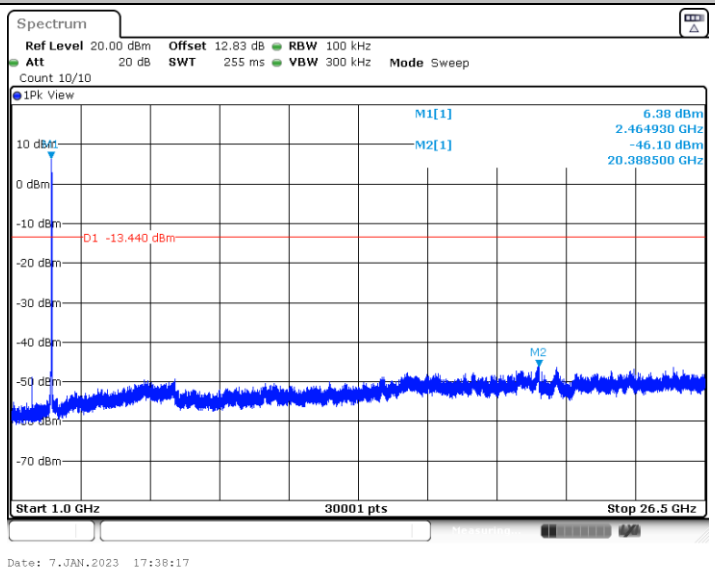

11G-CDD_Ant9_2462_1000~26500



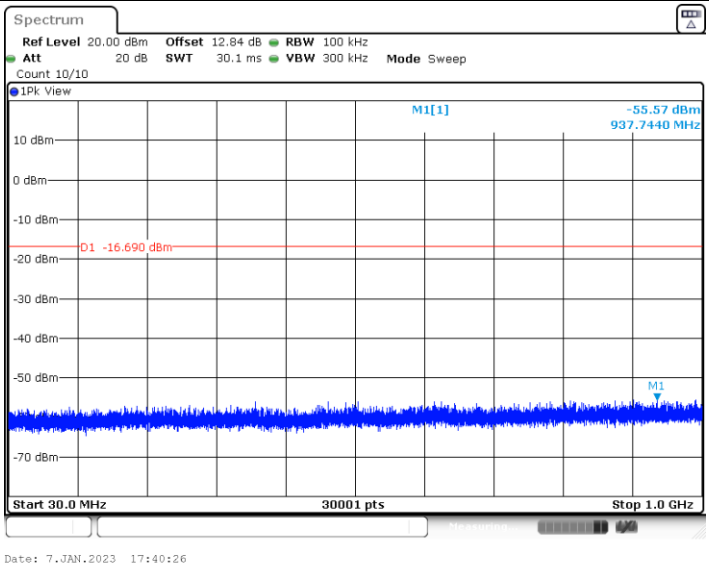
11G-CDD_Ant10_2462_30~1000




11G-CDD_Ant10_2462_1000~26500



11N40MIMO_Ant9_2422_30~1000

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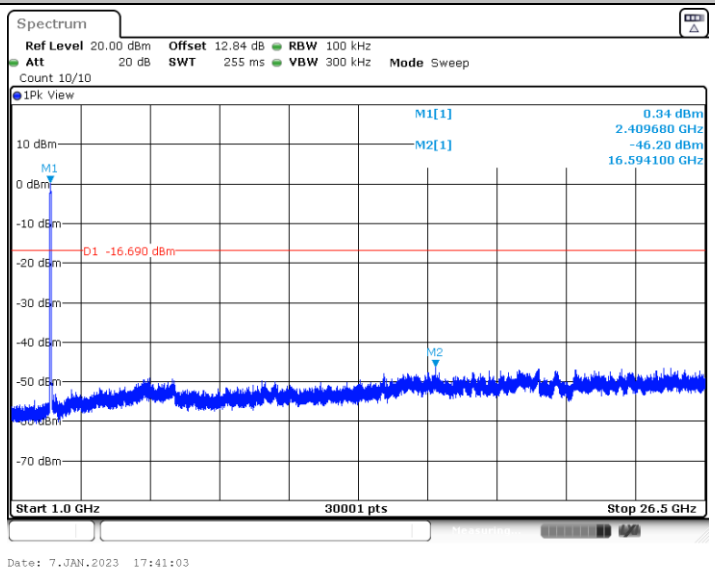
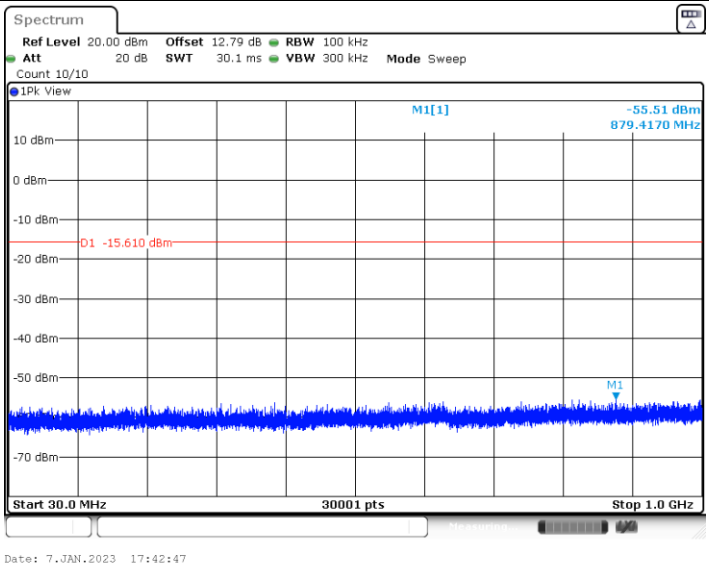
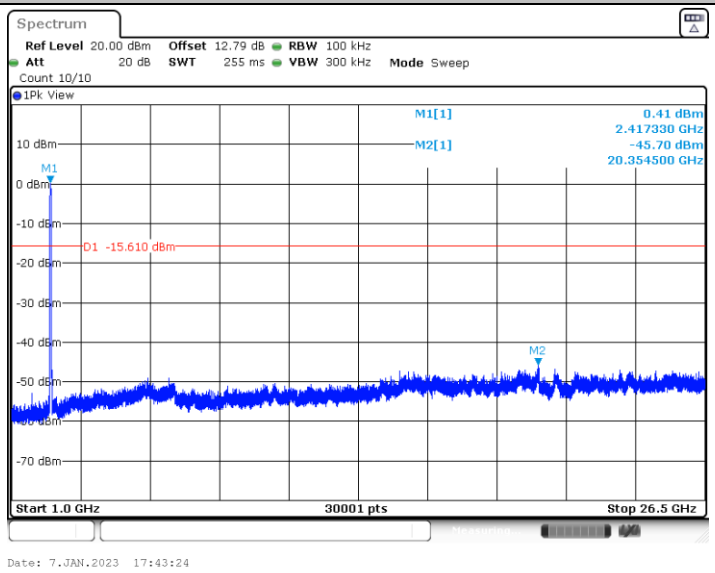


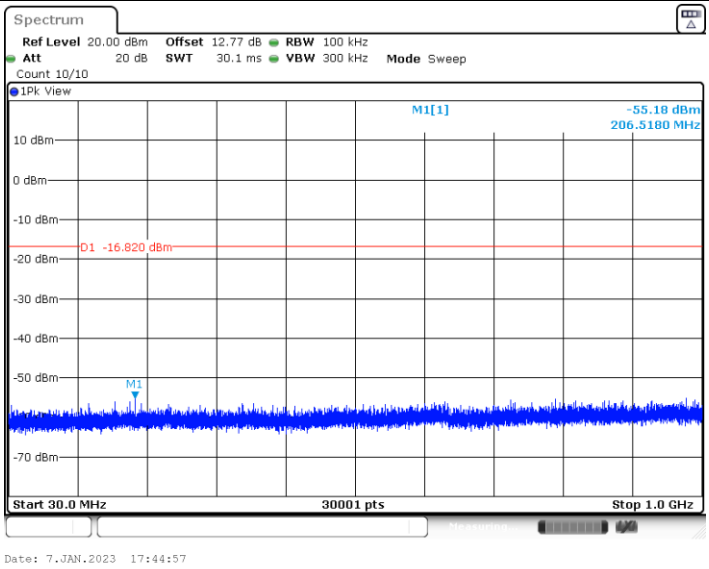
11N40MIMO_Ant10_2422_30~1000



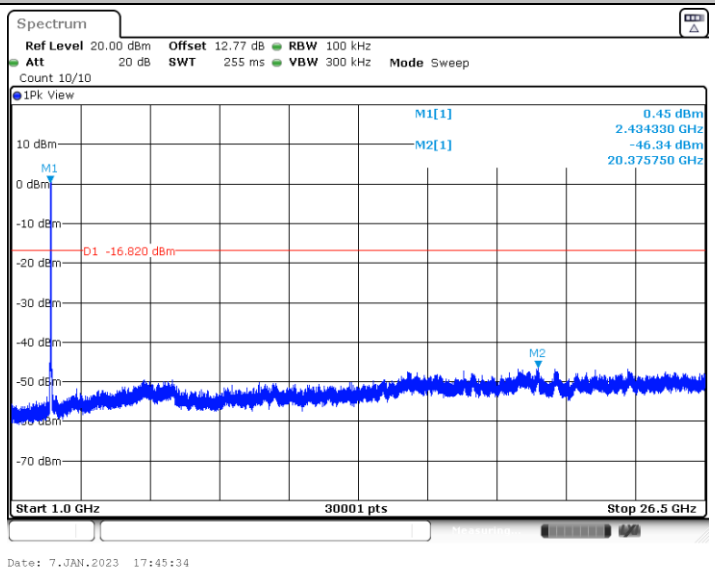

11N40MIMO_Ant10_2422_1000~26500



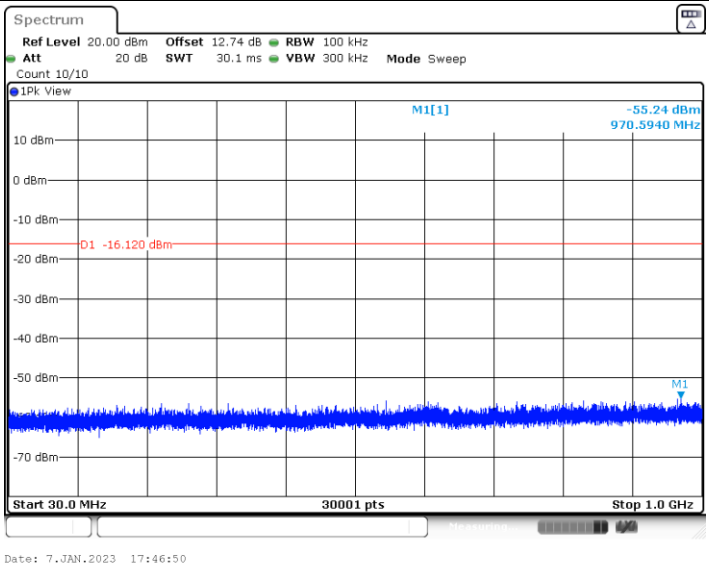
11N40MIMO_Ant9_2437_30~1000



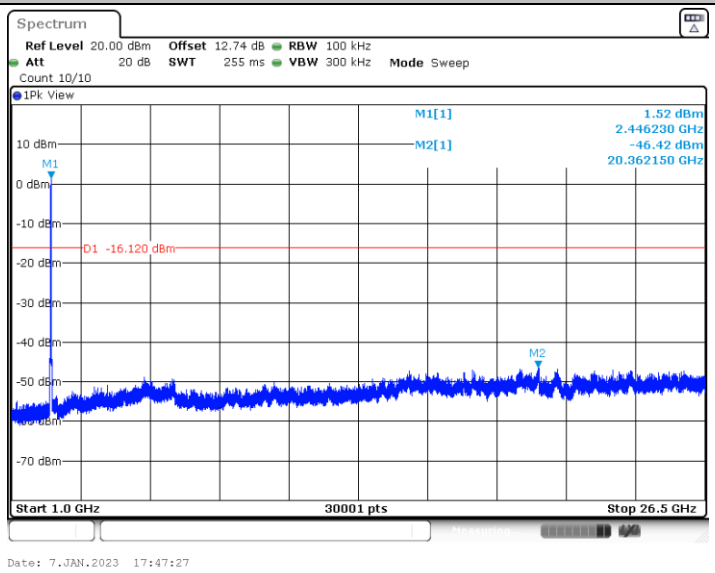

11N40MIMO_Ant9_2437_1000~26500



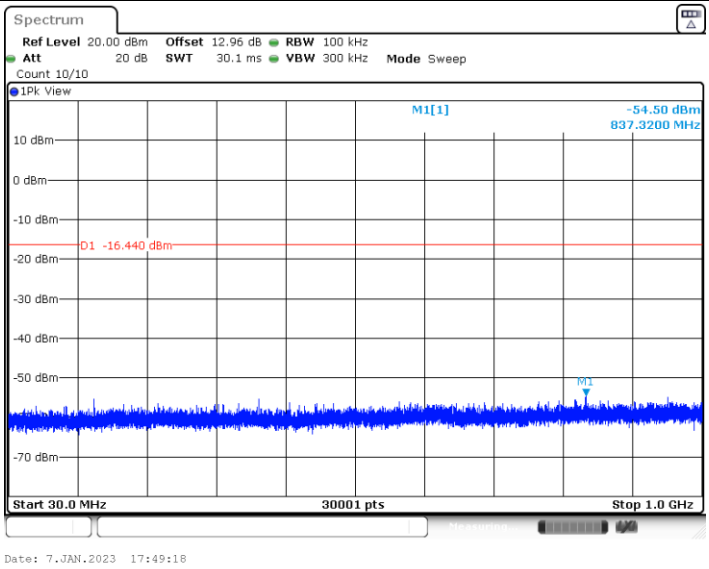
11N40MIMO_Ant10_2437_30~1000




11N40MIMO_Ant10_2437_1000~26500



11N40MIMO_Ant9_2452_30~1000

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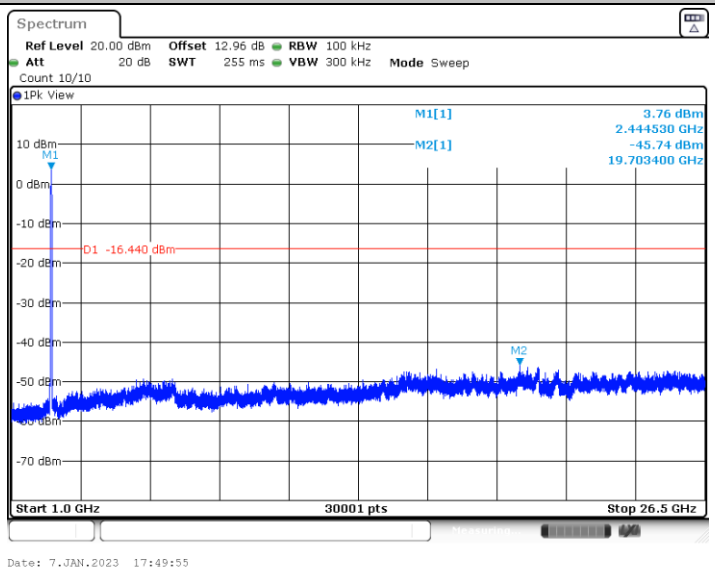
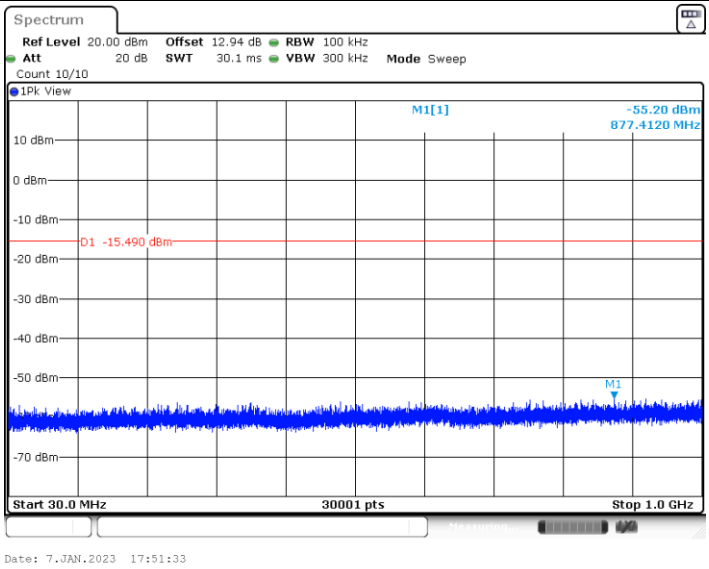
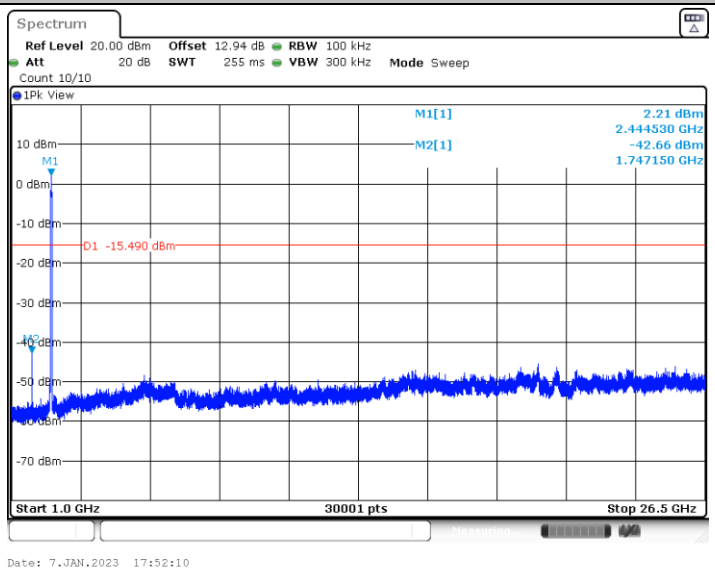


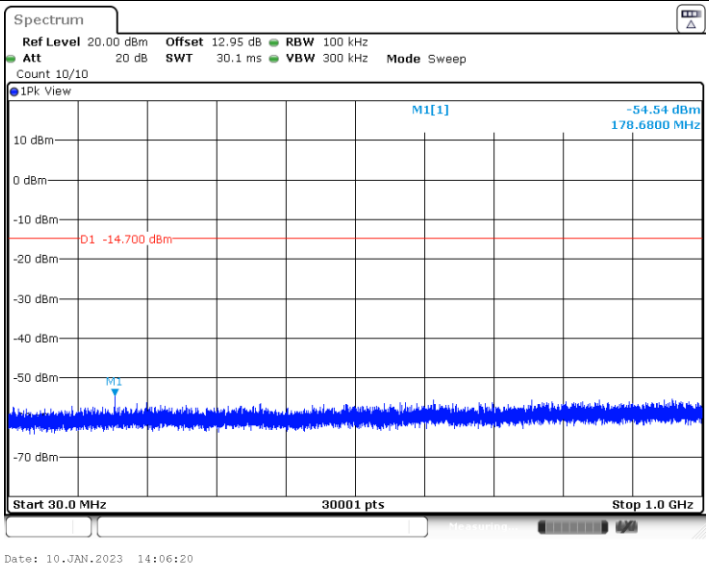
11N40MIMO_Ant10_2452_30~1000



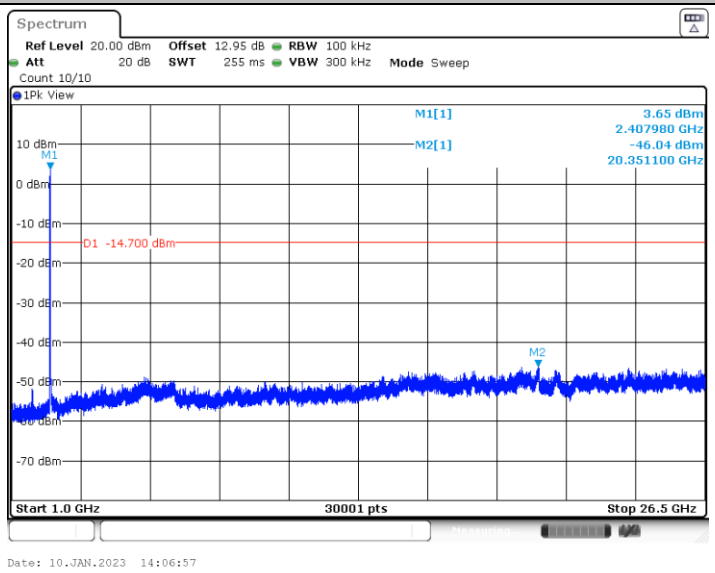

11N40MIMO_Ant10_2452_1000~26500



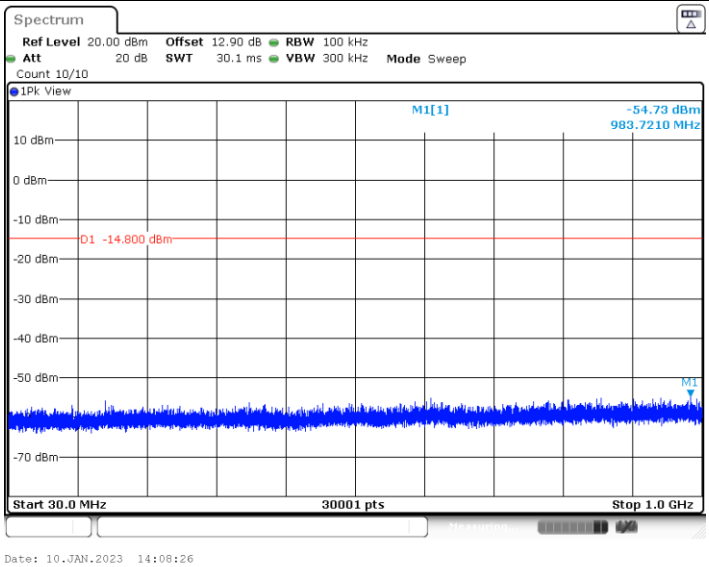
11AX20MIMO_Ant9_2412_30~1000



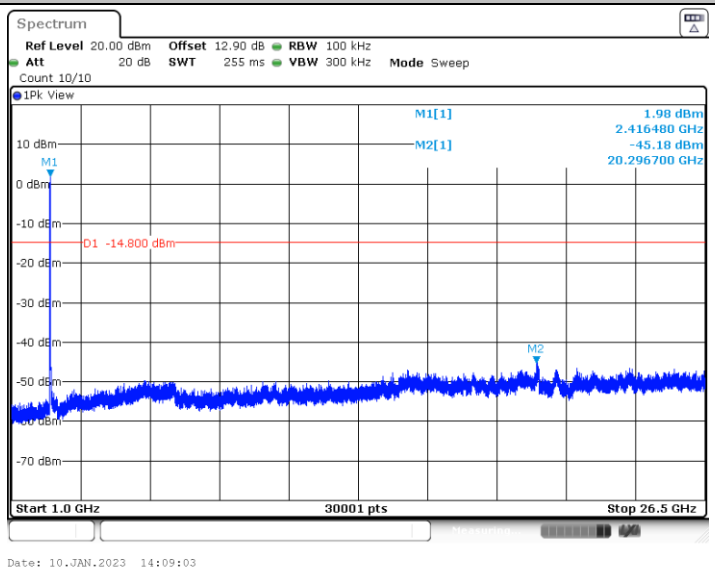

11AX20MIMO_Ant9_2412_1000~26500



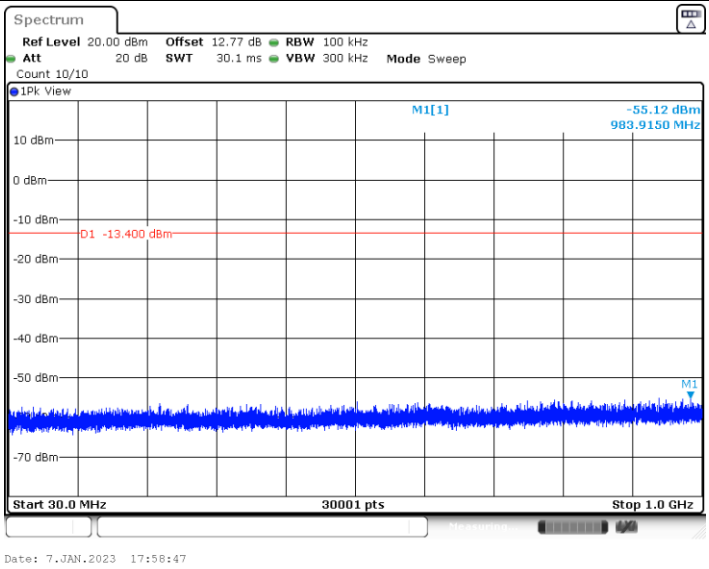
11AX20MIMO_Ant10_2412_30~1000



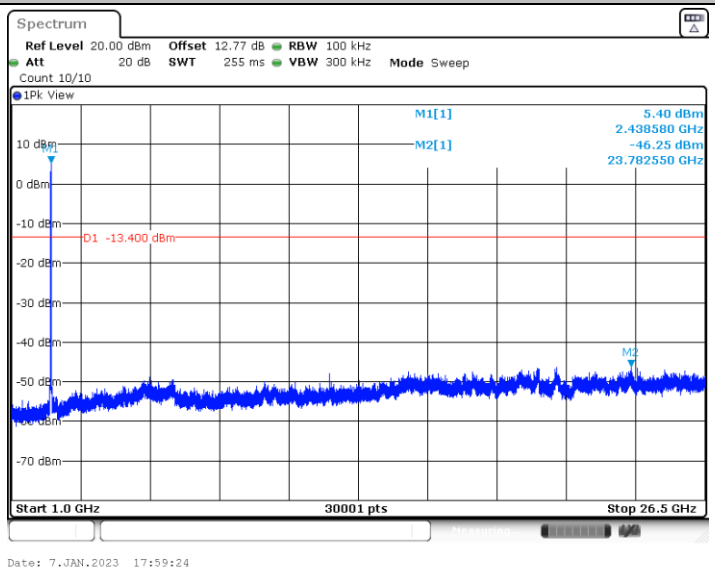

11AX20MIMO_Ant10_2412_1000~26500



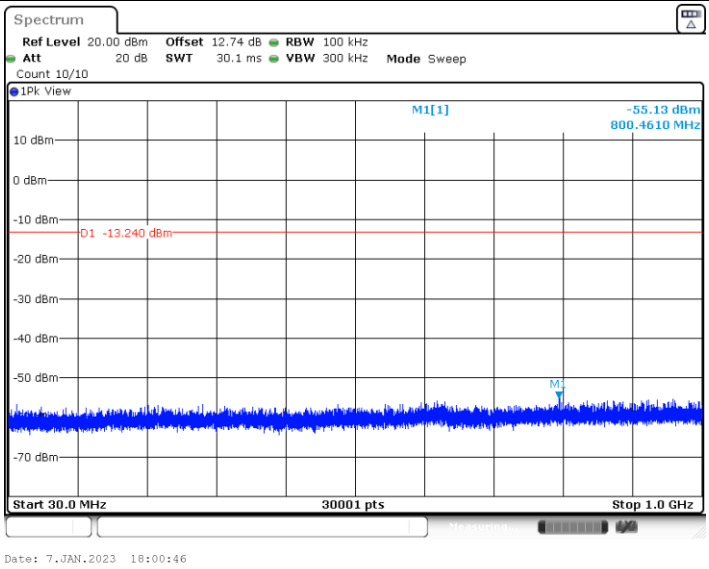
11AX20MIMO_Ant9_2437_30~1000



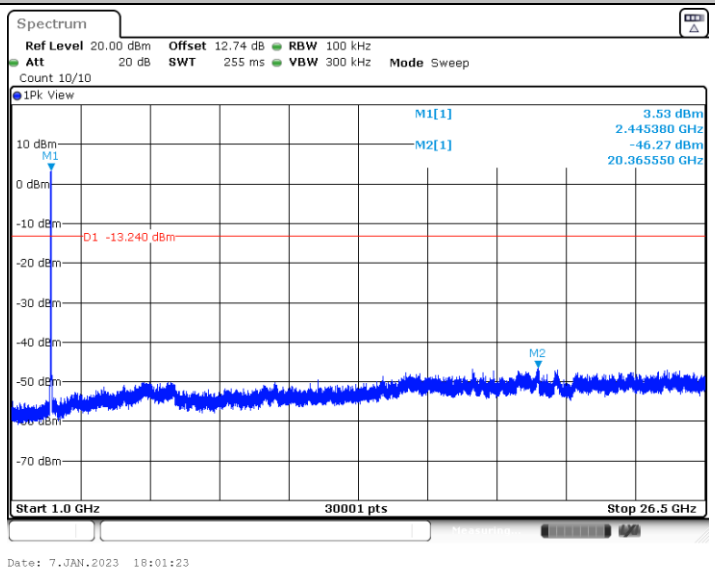

11AX20MIMO_Ant9_2437_1000~26500



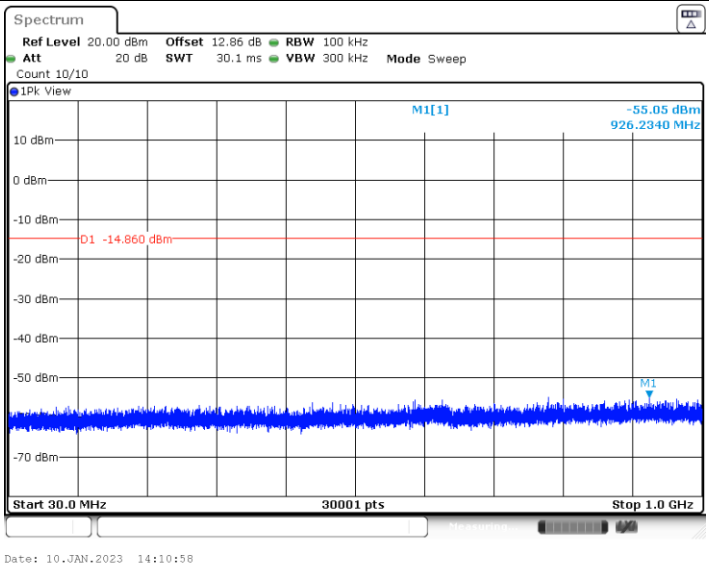
11AX20MIMO_Ant10_2437_30~1000

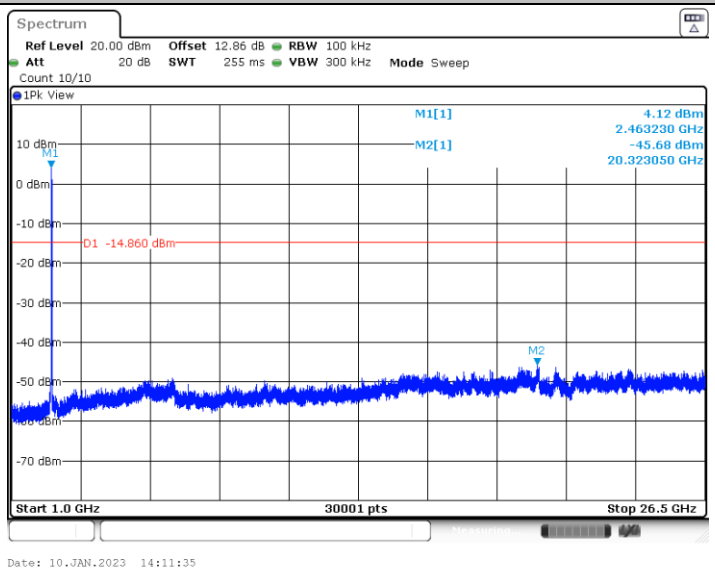



11AX20MIMO_Ant10_2437_1000~26500



11AX20MIMO_Ant9_2462_30~1000




11AX20MIMO_Ant9_2462_1000~26500