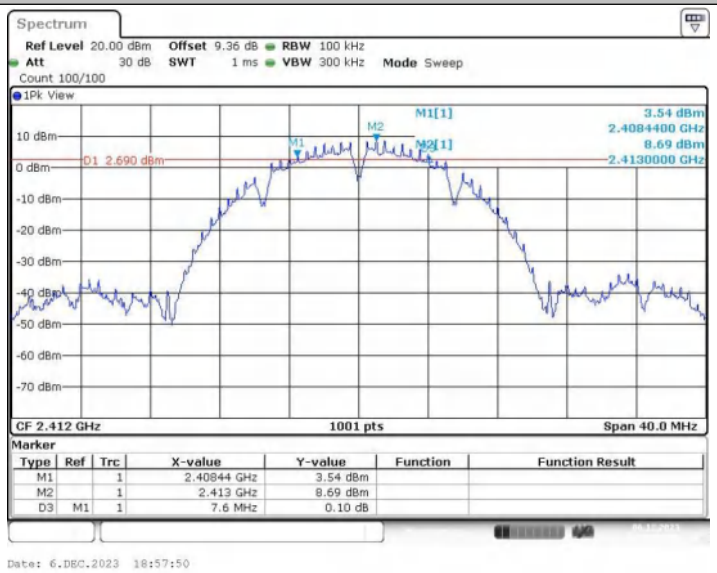
# Appendix A: DTS Bandwidth

## Test Result

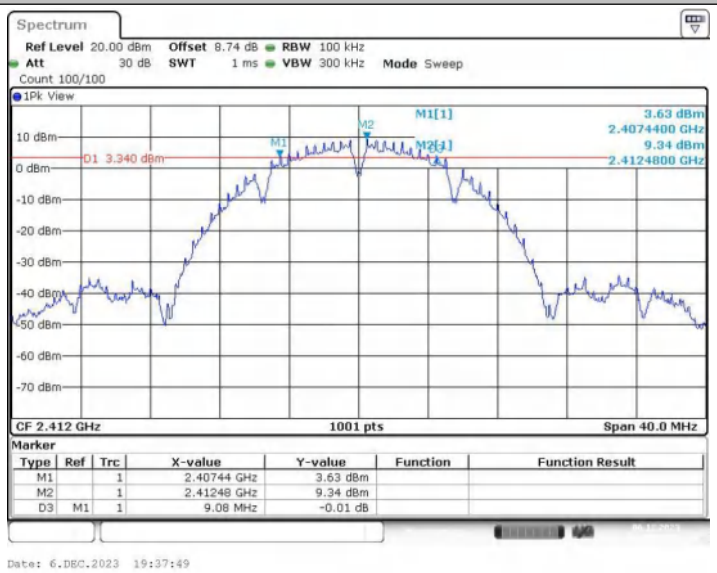
| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | 7.60 | 2408.44 | 2416.04 | 0.5 | PASS |
| | Ant2 | 2412 | 9.08 | 2407.44 | 2416.52 | 0.5 | PASS |
| | Ant1 | 2437 | 9.04 | 2432.48 | 2441.52 | 0.5 | PASS |
| | Ant2 | 2437 | 8.56 | 2432.48 | 2441.04 | 0.5 | PASS |
| | Ant1 | 2462 | 8.52 | 2457.96 | 2466.48 | 0.5 | PASS |
| | Ant2 | 2462 | 8.56 | 2457.48 | 2466.04 | 0.5 | PASS |
| 11G | Ant1 | 2412 | 16.32 | 2403.84 | 2420.16 | 0.5 | PASS |
| | Ant2 | 2412 | 16.32 | 2403.84 | 2420.16 | 0.5 | PASS |
| | Ant1 | 2437 | 16.32 | 2428.84 | 2445.16 | 0.5 | PASS |
| | Ant2 | 2437 | 16.32 | 2428.84 | 2445.16 | 0.5 | PASS |
| | Ant1 | 2462 | 16.36 | 2453.80 | 2470.16 | 0.5 | PASS |
| | Ant2 | 2462 | 16.32 | 2453.84 | 2470.16 | 0.5 | PASS |
| 11N20MIMO | Ant1 | 2412 | 17.60 | 2403.20 | 2420.80 | 0.5 | PASS |
| | Ant2 | 2412 | 17.60 | 2403.20 | 2420.80 | 0.5 | PASS |
| | Ant1 | 2437 | 17.56 | 2428.20 | 2445.76 | 0.5 | PASS |
| | Ant2 | 2437 | 17.60 | 2428.16 | 2445.76 | 0.5 | PASS |
| | Ant1 | 2462 | 17.56 | 2453.20 | 2470.76 | 0.5 | PASS |
| | Ant2 | 2462 | 16.96 | 2453.84 | 2470.80 | 0.5 | PASS |
| 11N40MIMO | Ant1 | 2422 | 36.08 | 2404.08 | 2440.16 | 0.5 | PASS |
| | Ant2 | 2422 | 32.56 | 2403.84 | 2436.40 | 0.5 | PASS |
| | Ant1 | 2437 | 33.76 | 2421.00 | 2454.76 | 0.5 | PASS |
| | Ant2 | 2437 | 35.68 | 2419.48 | 2455.16 | 0.5 | PASS |
| | Ant1 | 2452 | 36.32 | 2433.84 | 2470.16 | 0.5 | PASS |
| | Ant2 | 2452 | 36.40 | 2433.84 | 2470.24 | 0.5 | PASS |

## Test Graphs

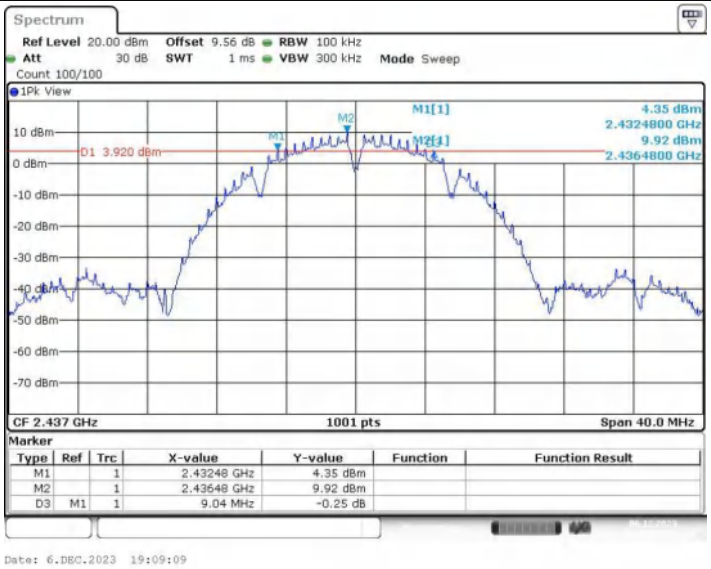
11B_Ant1_2412



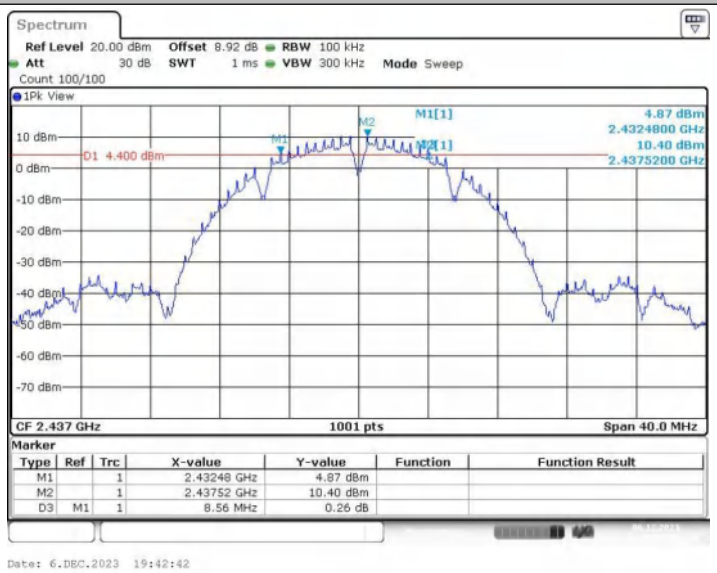

11B_Ant2_2412



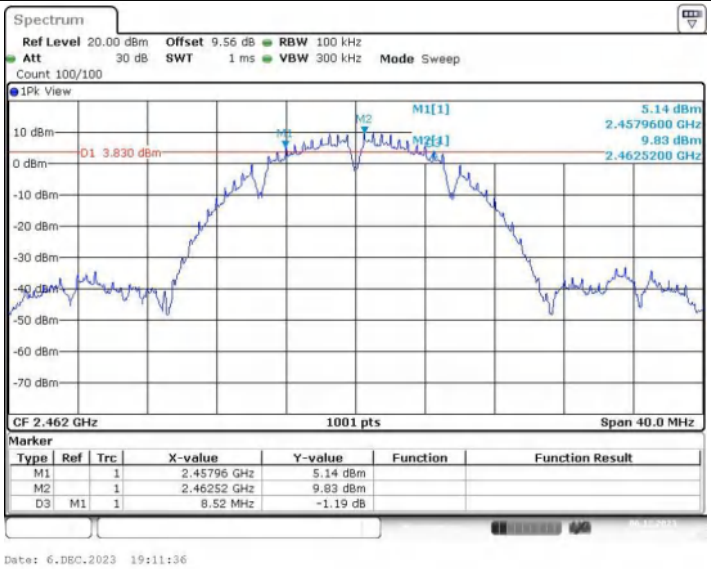

11B_Ant1_2437



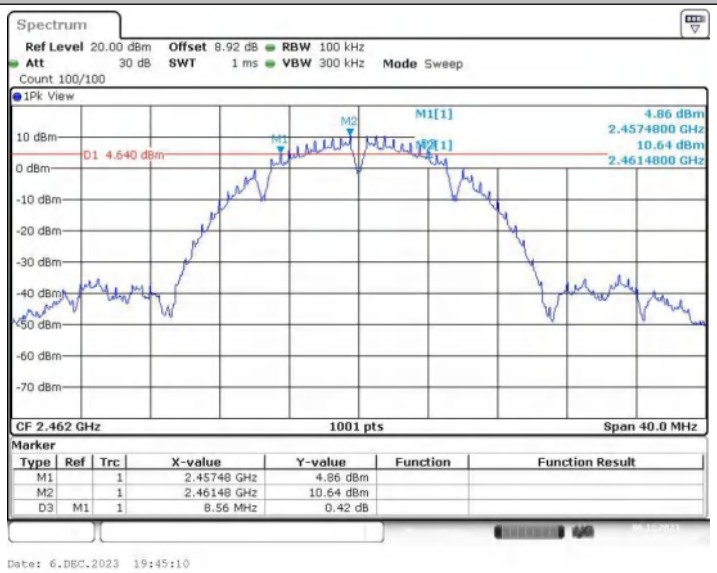

11B_Ant2_2437




11B_Ant1_2462




11B_Ant2_2462

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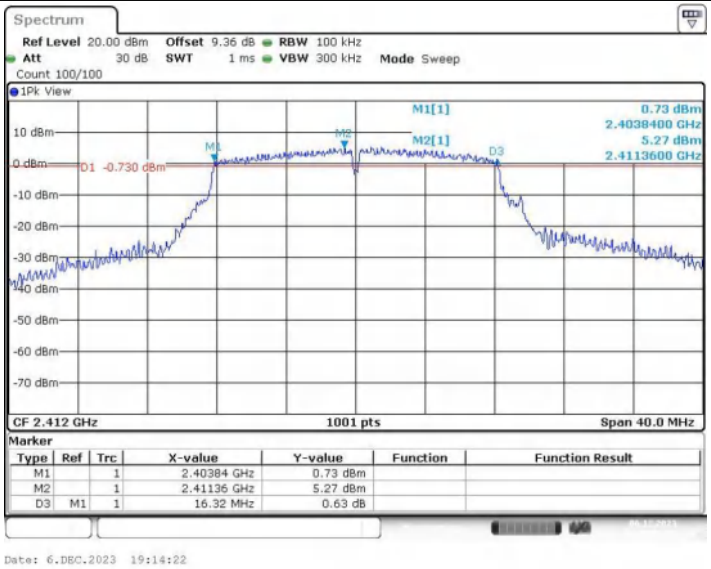


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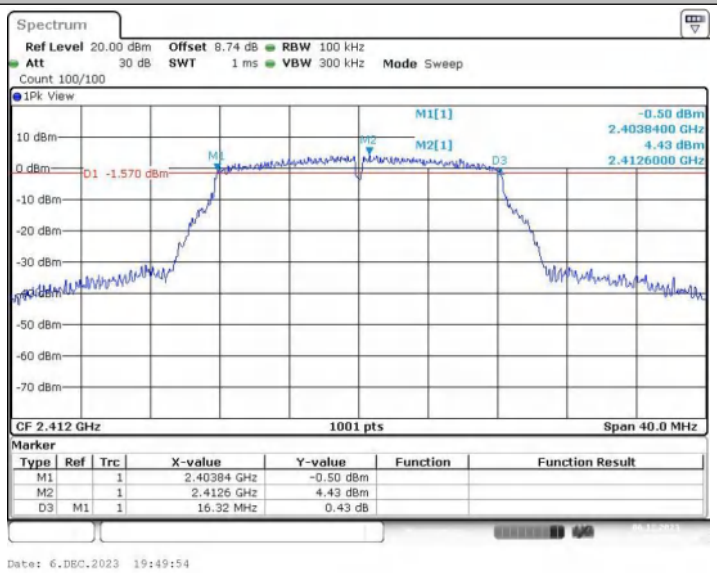


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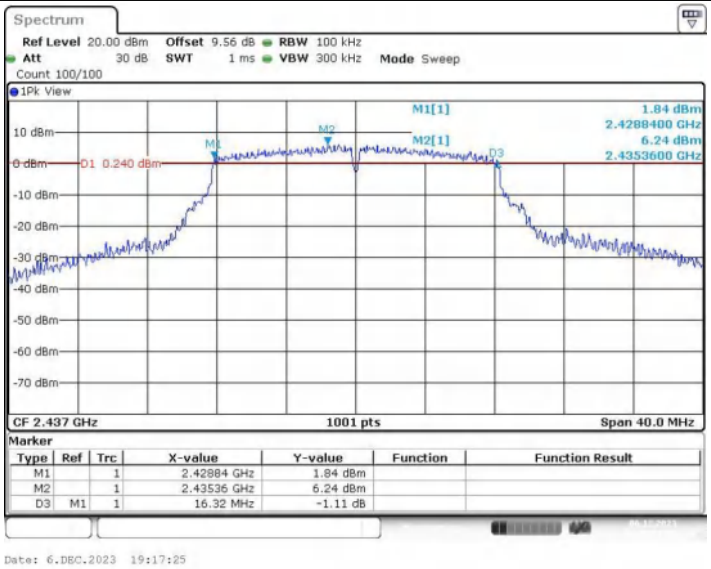


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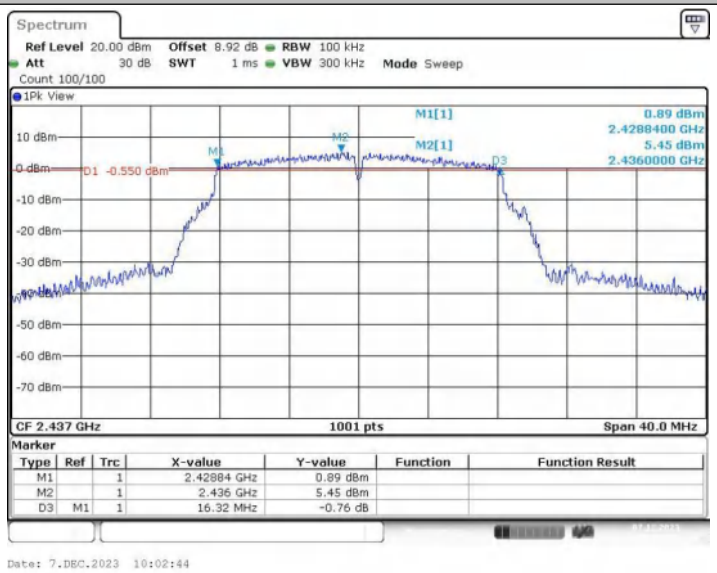


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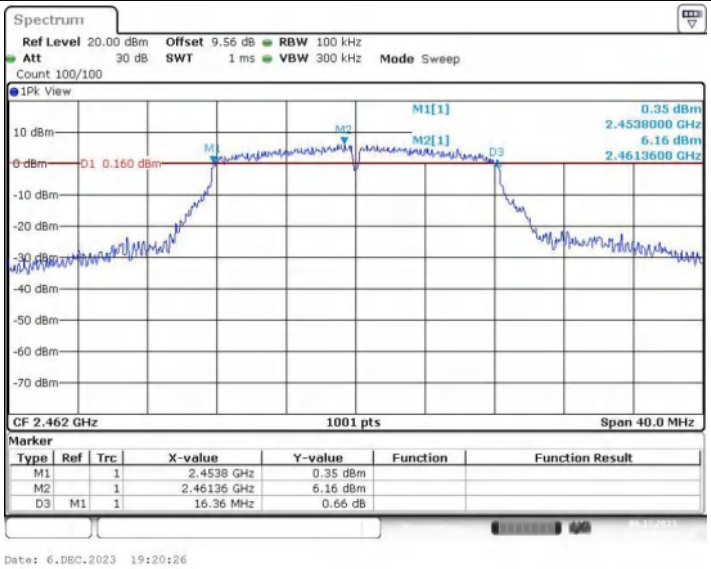
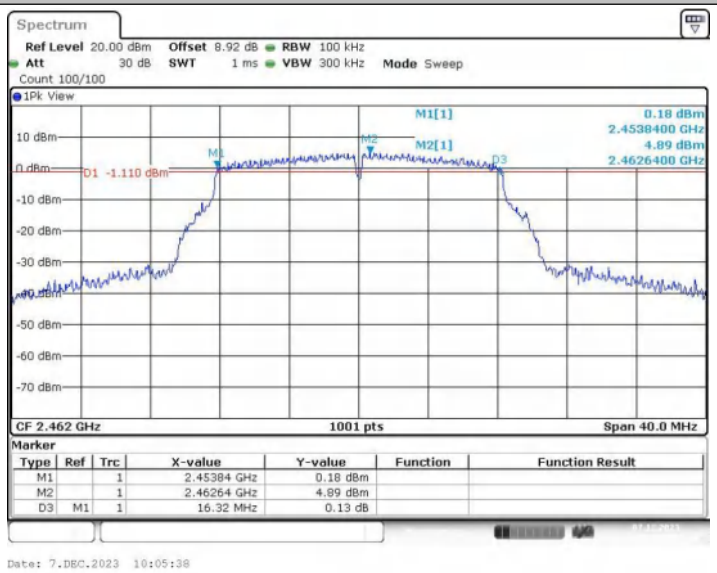
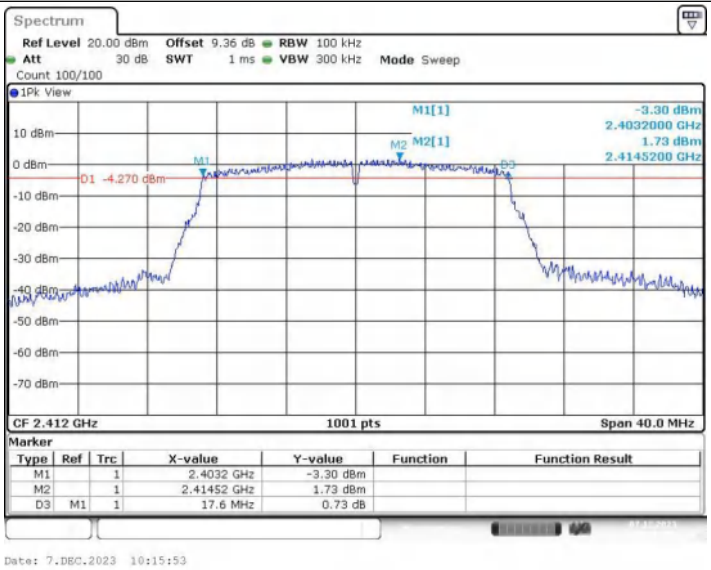


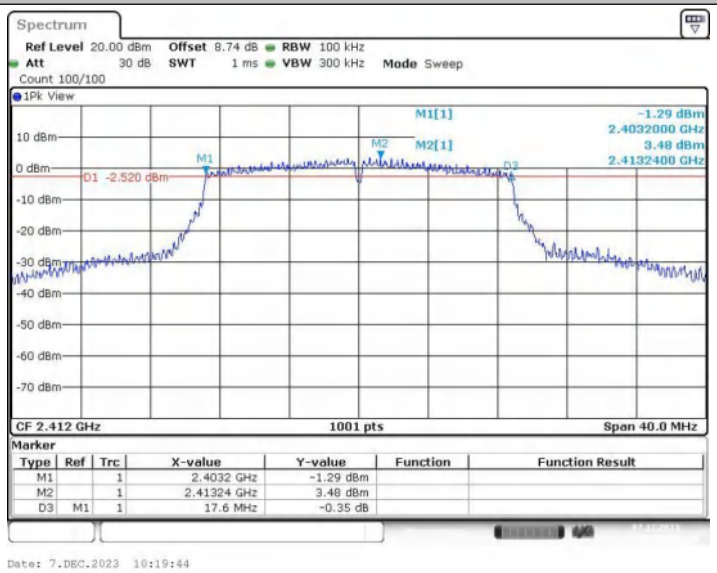

11G_Ant2_2462



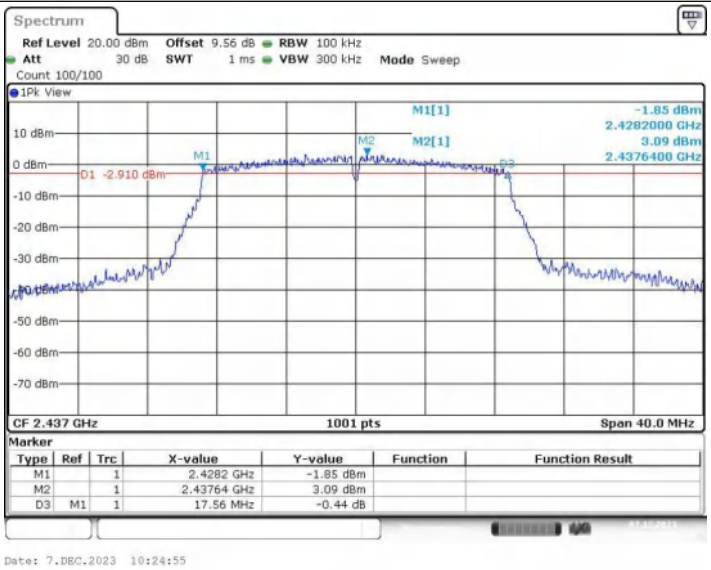

11N20MIMO_Ant1_2412




11N20MIMO_Ant2_2412




11N20MIMO_Ant1_2437

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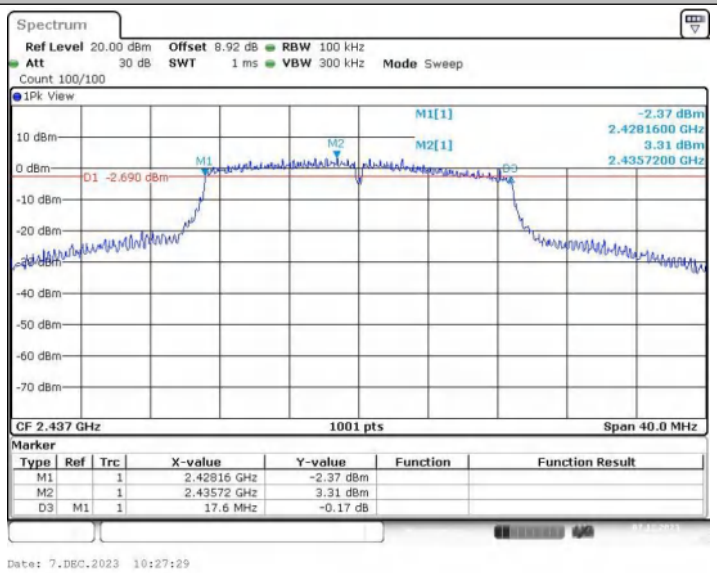


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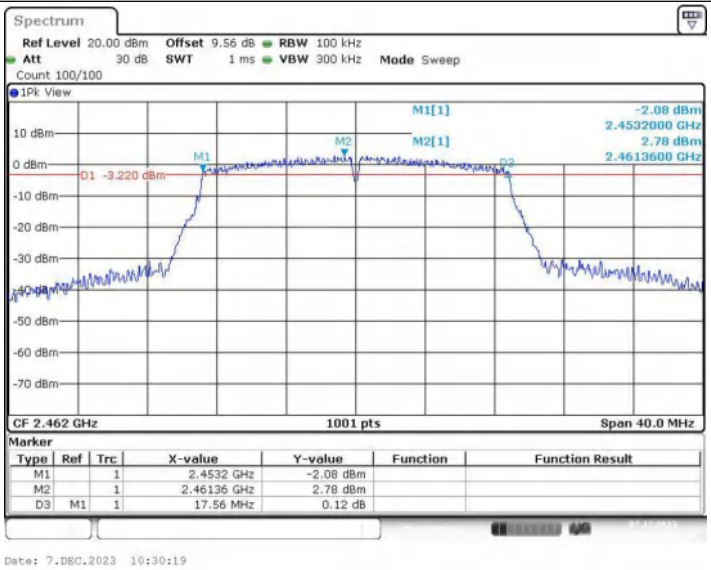
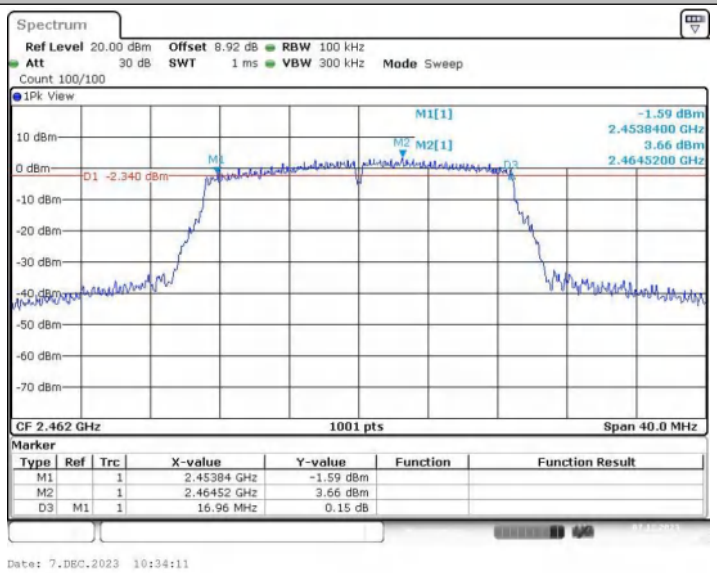
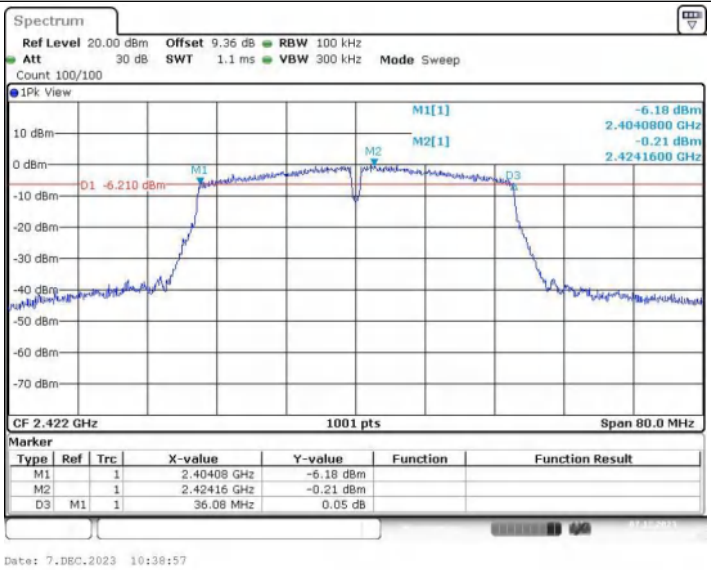


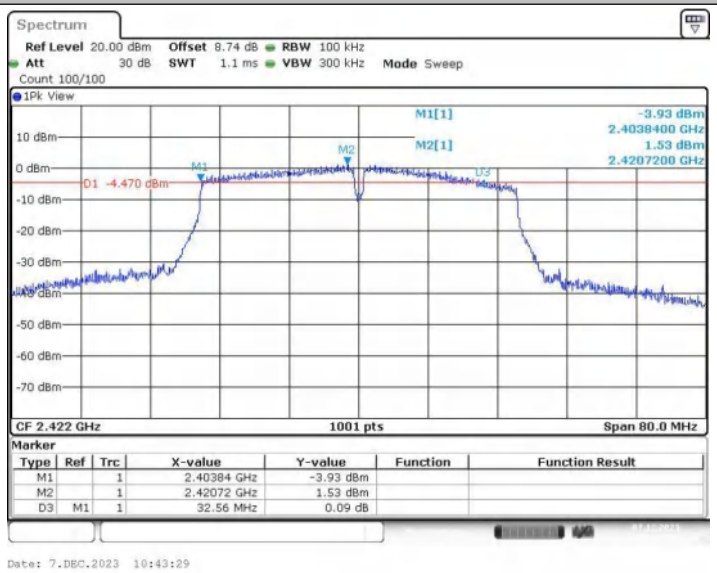

11N20MIMO_Ant2_2462




11N40MIMO_Ant1_2422




11N40MIMO_Ant2_2422

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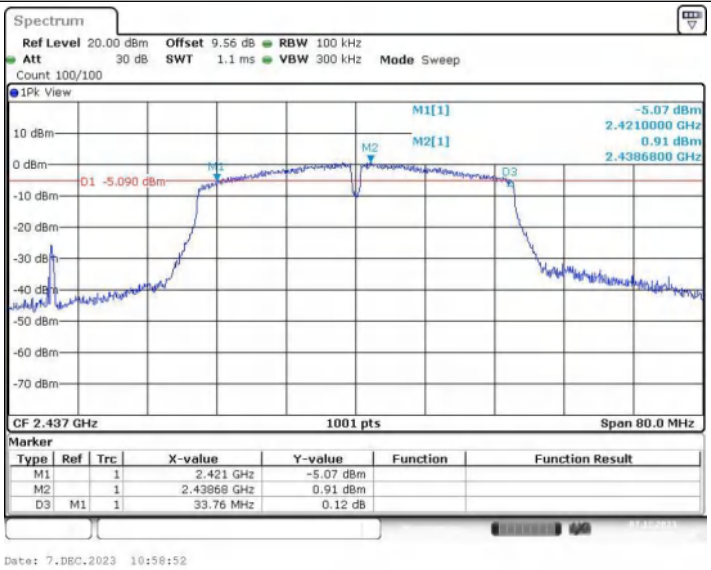
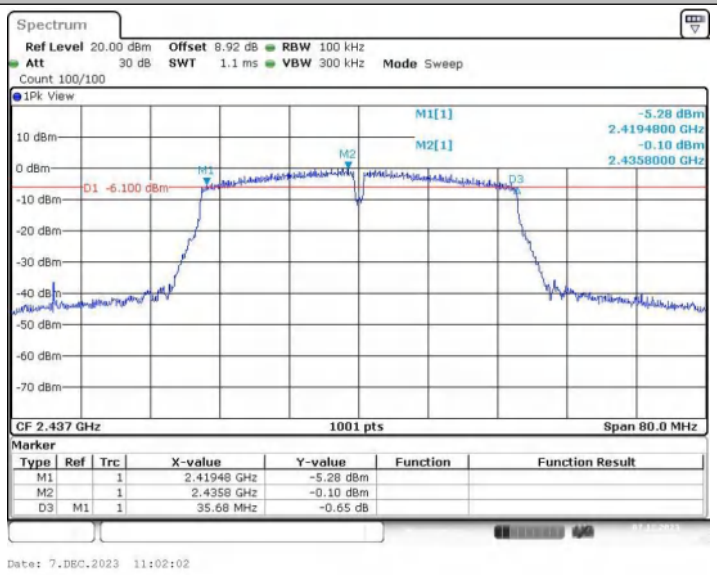
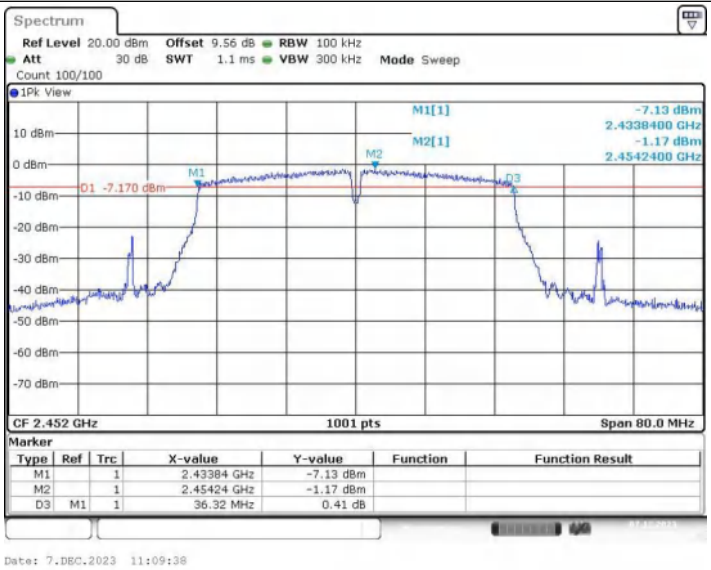


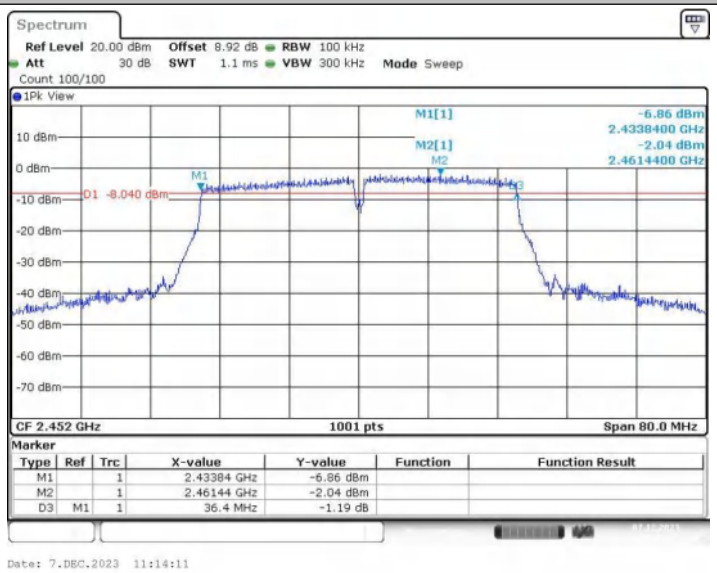

11N40MIMO_Ant2_2437




11N40MIMO_Ant1_2452




11N40MIMO_Ant2_2452



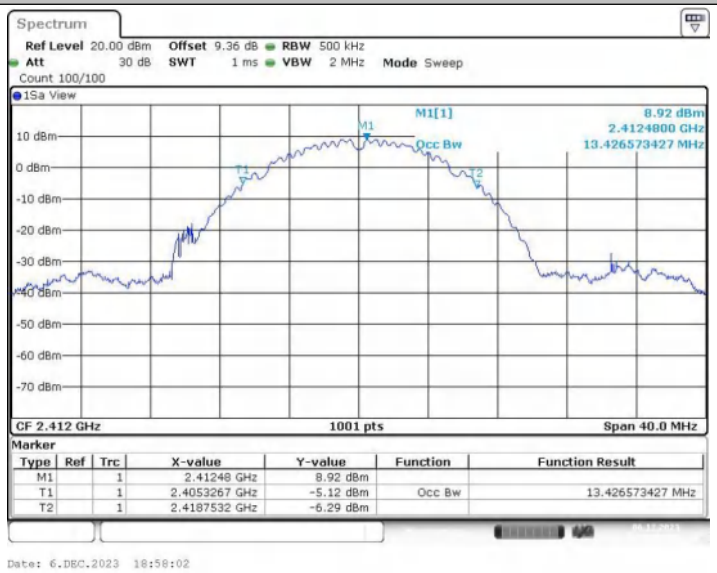
# Appendix B: Occupied Channel Bandwidth

## Test Result

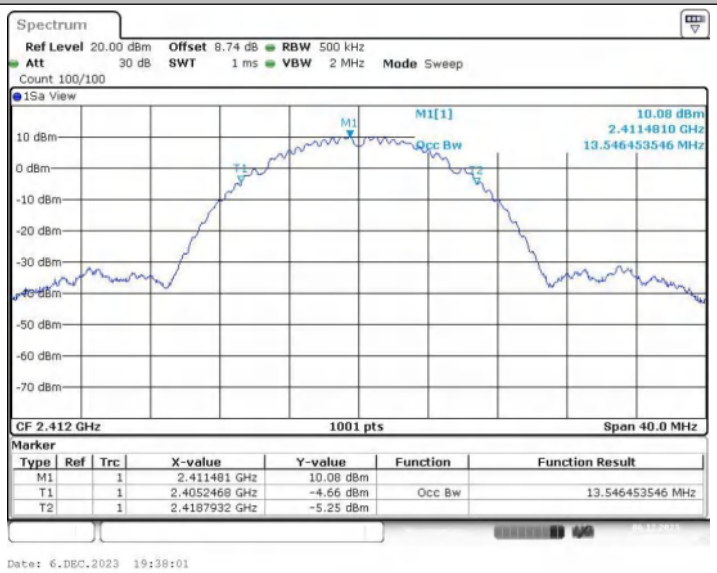
| TestMode | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | 13.427 | 2405.3267 | 2418.7532 | --- | --- |
| | Ant2 | 2412 | 13.546 | 2405.2468 | 2418.7932 | --- | --- |
| | Ant1 | 2437 | 13.427 | 2430.2068 | 2443.6334 | --- | --- |
| | Ant2 | 2437 | 13.546 | 2430.1269 | 2443.6733 | --- | --- |
| | Ant1 | 2462 | 13.427 | 2455.2468 | 2468.6733 | --- | --- |
| | Ant2 | 2462 | 13.427 | 2455.2867 | 2468.7133 | --- | --- |
| 11G | Ant1 | 2412 | 17.423 | 2403.3686 | 2420.7912 | --- | --- |
| | Ant2 | 2412 | 17.223 | 2403.4086 | 2420.6314 | --- | --- |
| | Ant1 | 2437 | 17.383 | 2428.2887 | 2445.6713 | --- | --- |
| | Ant2 | 2437 | 17.183 | 2428.3686 | 2445.5514 | --- | --- |
| | Ant1 | 2462 | 17.383 | 2453.3287 | 2470.7113 | --- | --- |
| | Ant2 | 2462 | 17.183 | 2453.4086 | 2470.5914 | --- | --- |
| 11N20MIMO | Ant1 | 2412 | 18.062 | 2403.0090 | 2421.0709 | --- | --- |
| | Ant2 | 2412 | 17.942 | 2403.0090 | 2420.9510 | --- | --- |
| | Ant1 | 2437 | 18.062 | 2427.9291 | 2445.9910 | --- | --- |
| | Ant2 | 2437 | 18.142 | 2427.7692 | 2445.9111 | --- | --- |
| | Ant1 | 2462 | 18.062 | 2452.9690 | 2471.0310 | --- | --- |
| | Ant2 | 2462 | 17.822 | 2453.1688 | 2470.9910 | --- | --- |
| 11N40MIMO | Ant1 | 2422 | 36.284 | 2403.9381 | 2440.2218 | --- | --- |
| | Ant2 | 2422 | 36.204 | 2403.6983 | 2439.9021 | --- | --- |
| | Ant1 | 2437 | 35.964 | 2419.1778 | 2455.1419 | --- | --- |
| | Ant2 | 2437 | 36.284 | 2418.8581 | 2455.1419 | --- | --- |
| | Ant1 | 2452 | 36.444 | 2433.7782 | 2470.2218 | --- | --- |
| | Ant2 | 2452 | 36.683 | 2433.7782 | 2470.4615 | --- | --- |

## Test Graphs

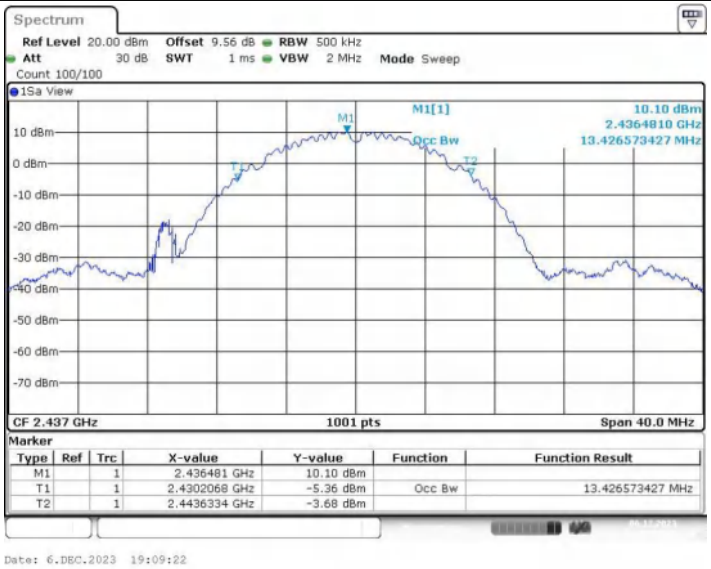
11B_Ant1_2412



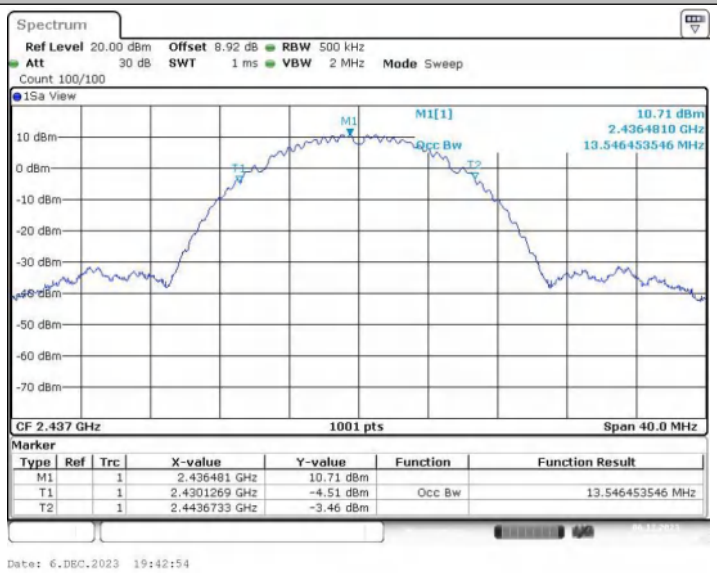

11B_Ant2_2412



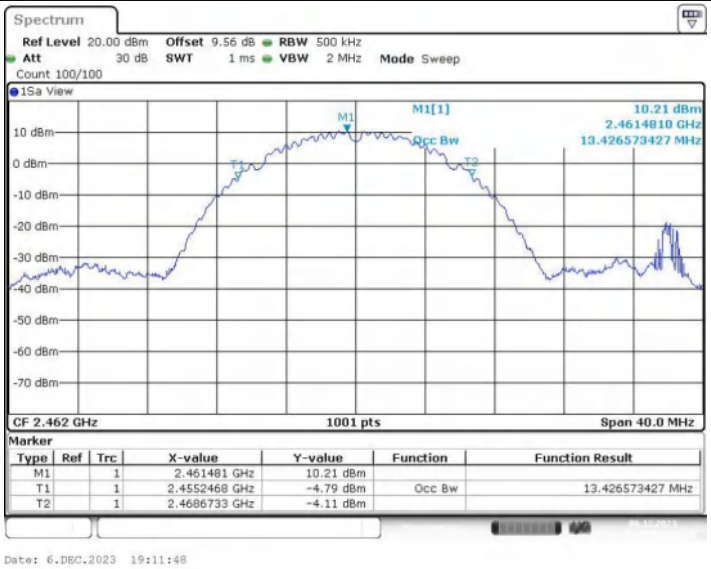

11B_Ant1_2437



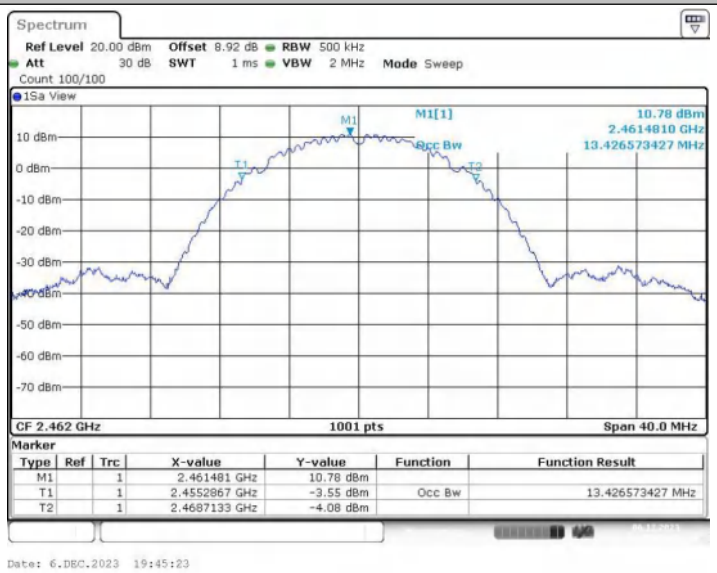

11B_Ant2_2437



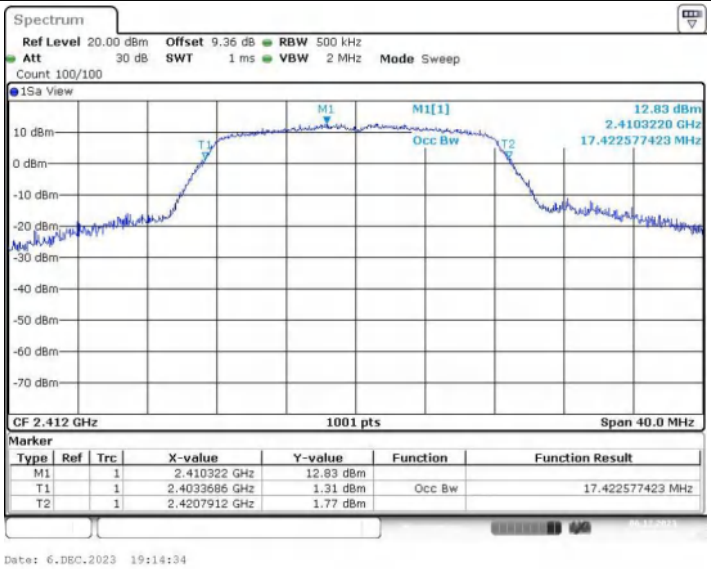

11B_Ant1_2462



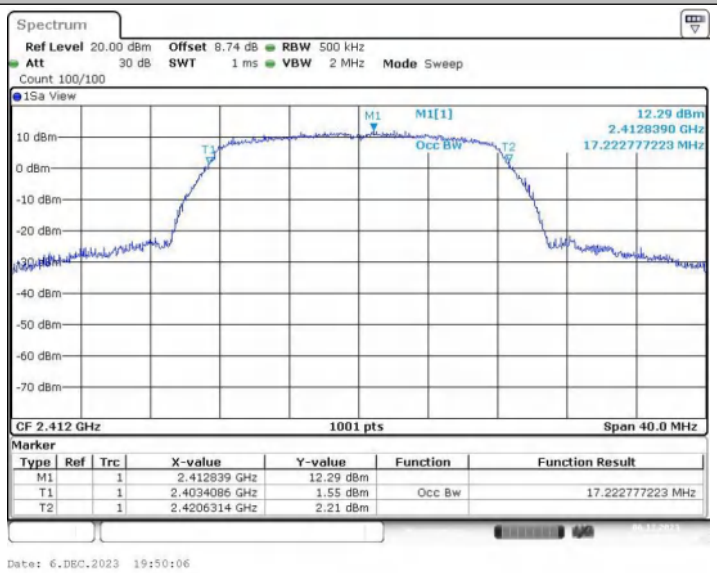

11B_Ant2_2462



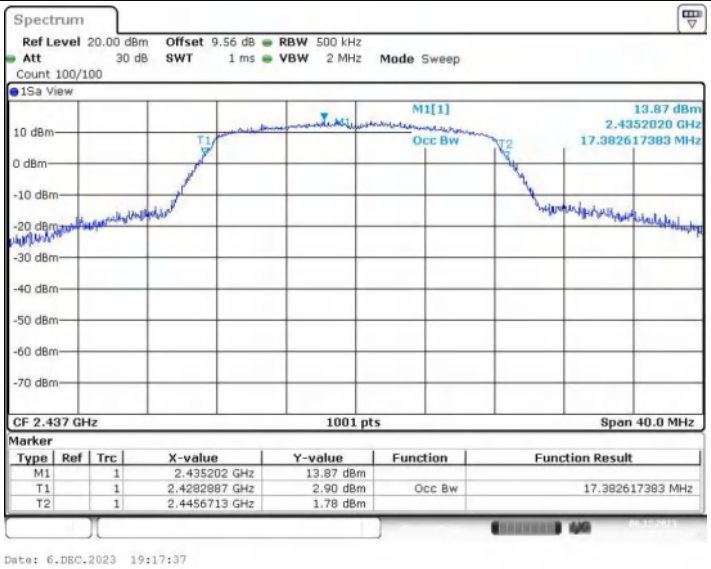

11G_Ant1_2412



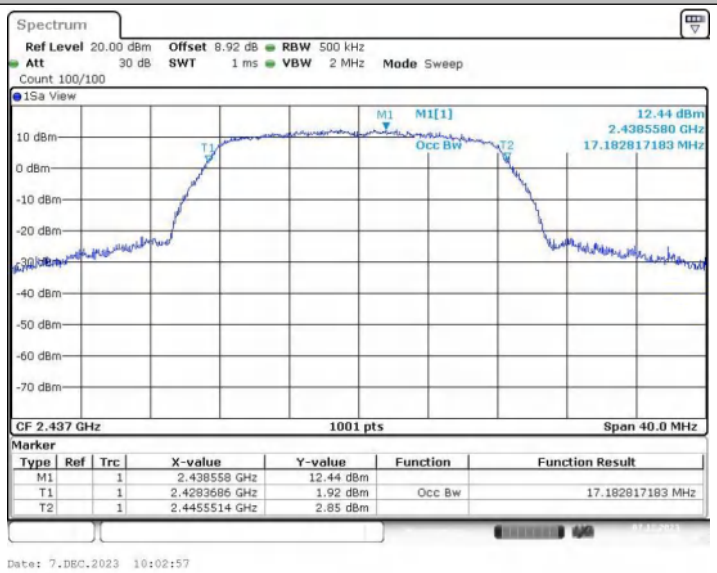

11G_Ant2_2412



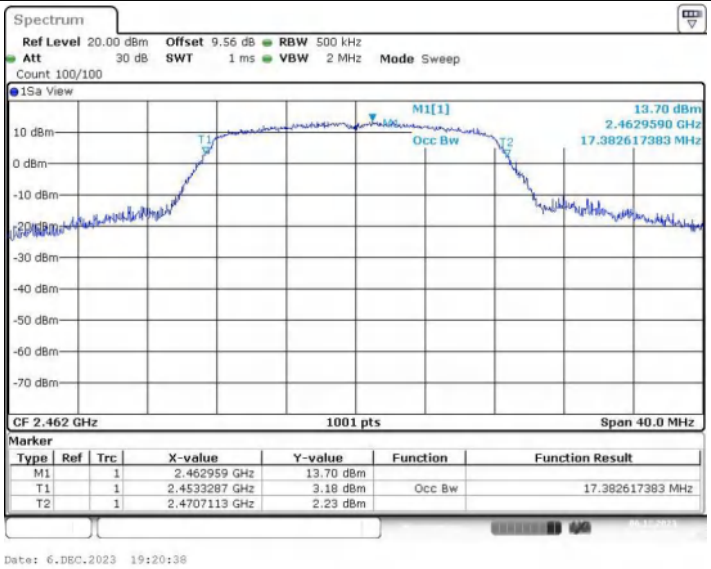

11G_Ant1_2437




11G_Ant2_2437

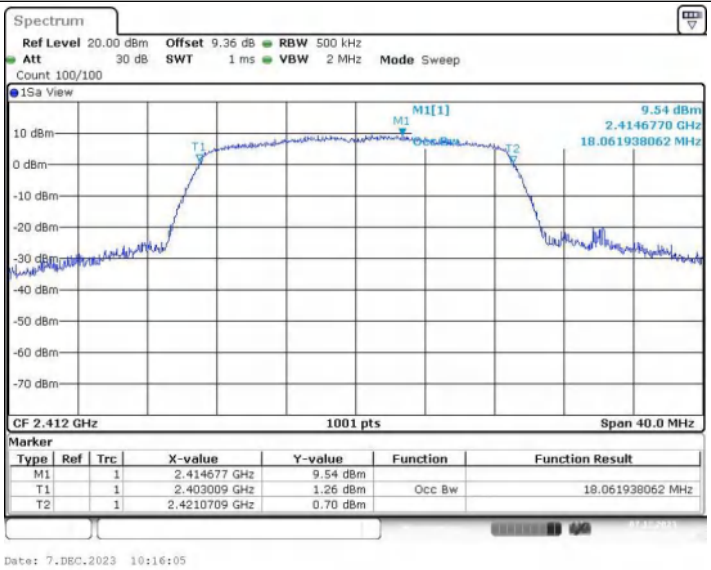



11G_Ant1_2462

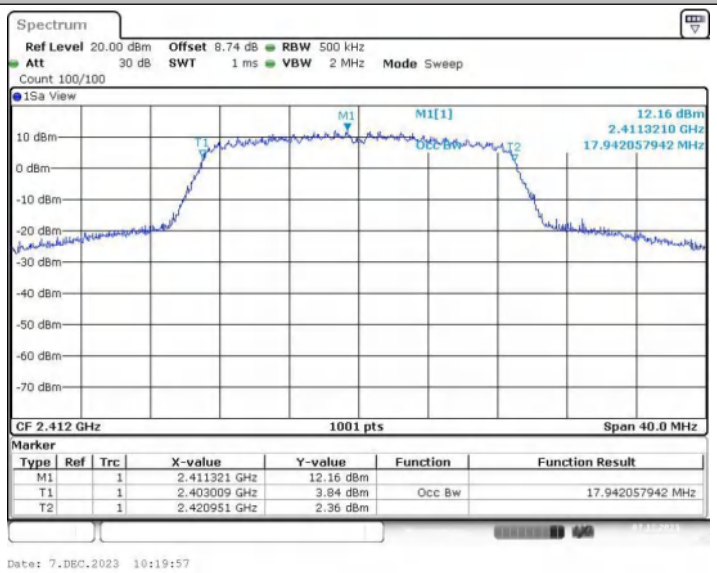



11G_Ant2_2462

11N20MIMO_Ant1_2412

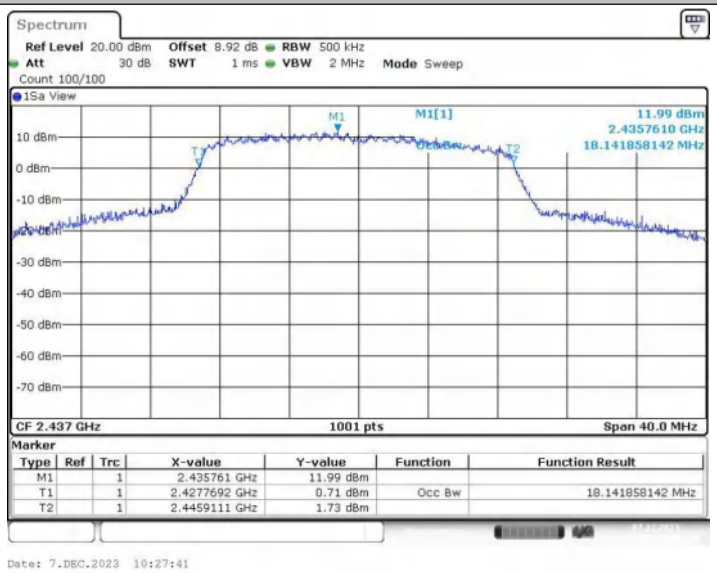



11N20MIMO_Ant2_2412



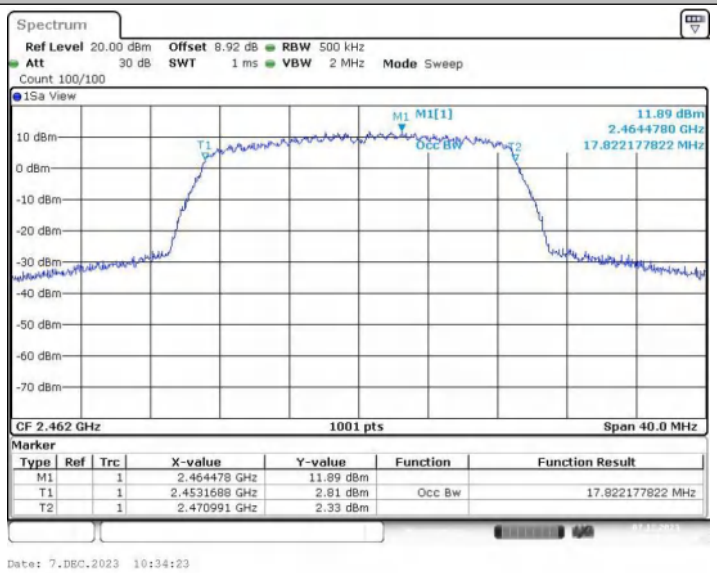

11N20MIMO_Ant1_2437

11N20MIMO_Ant2_2437

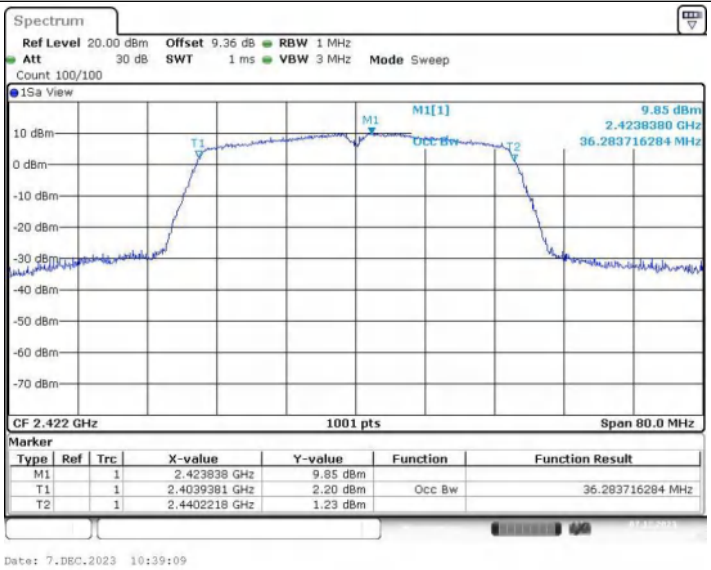



11N20MIMO_Ant1_2462

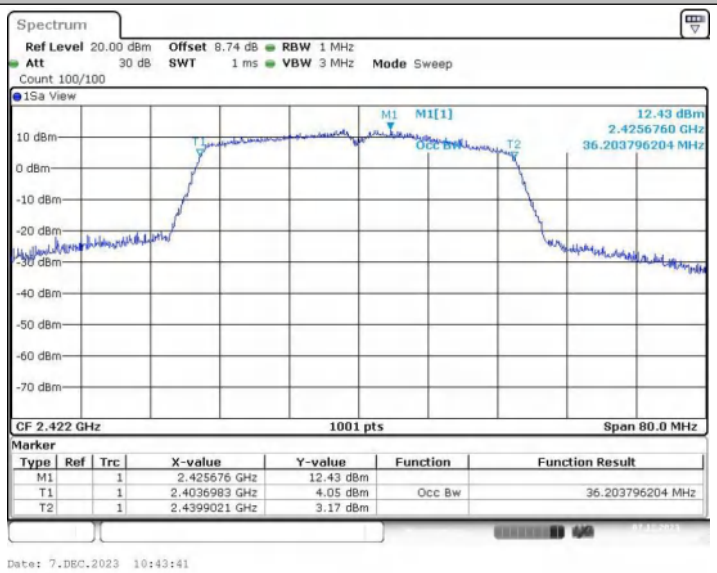
11N20MIMO_Ant2_2462



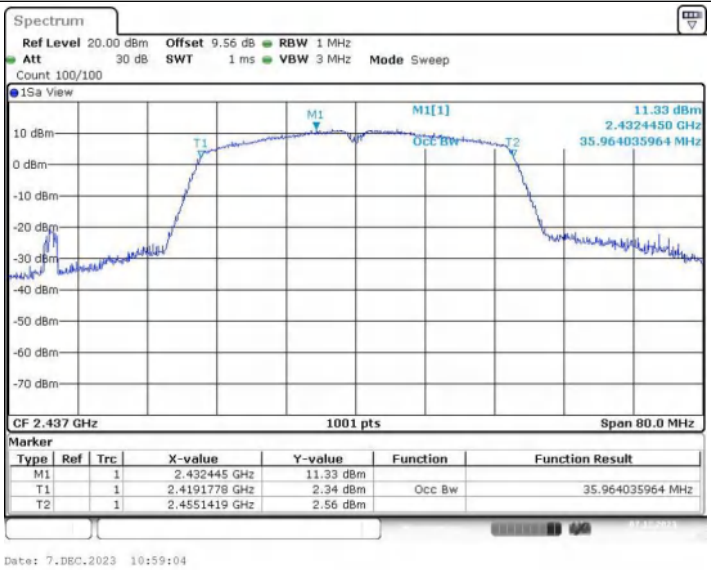

11N40MIMO_Ant1_2422



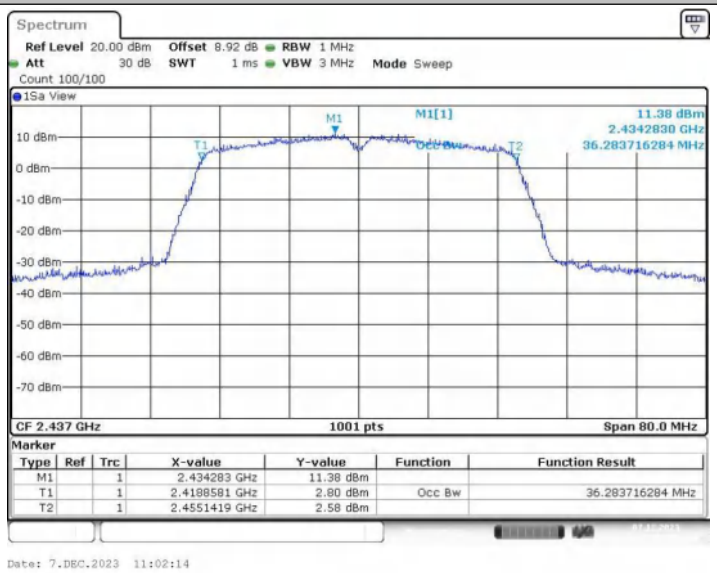

11N40MIMO_Ant2_2422



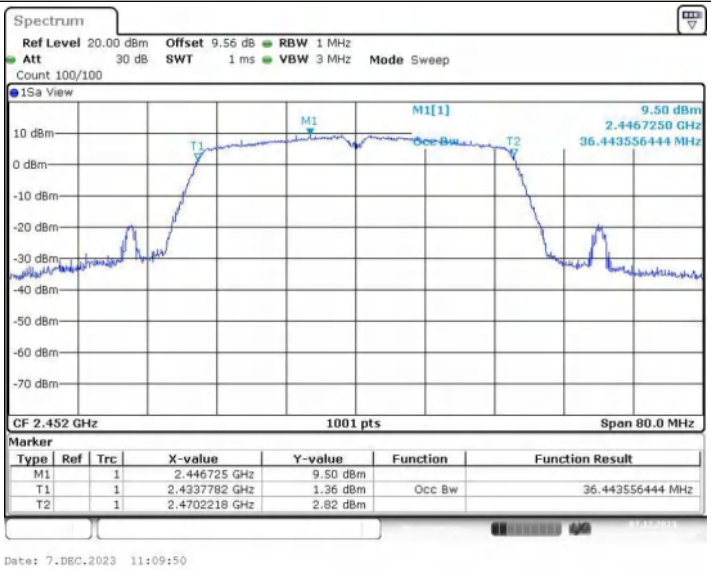

11N40MIMO_Ant1_2437



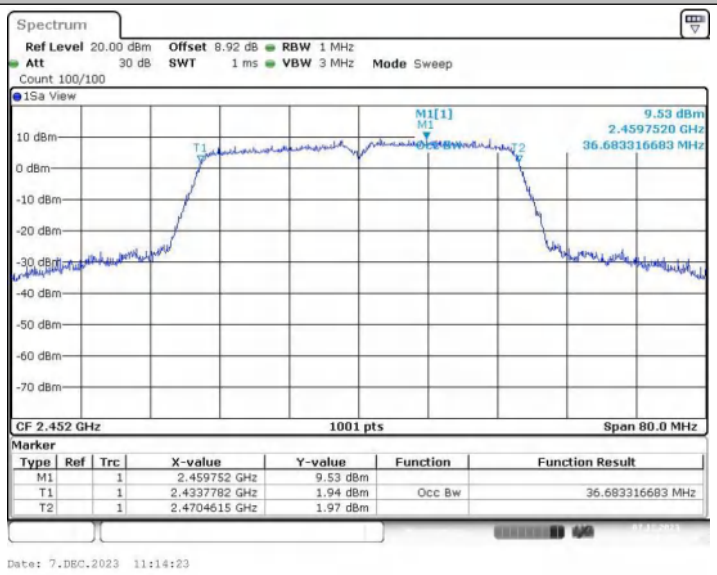

11N40MIMO_Ant2_2437




11N40MIMO_Ant1_2452




11N40MIMO_Ant2_2452



# Appendix C: Maximum conducted output power

## Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Conducted power [dBm] | Result [dBm] | Limit [dBm] | Gain [dBi] | EIRP [dBm] | EIRP Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | 15.46 | 15.46 | ≤30.00 | -2.21 | 13.25 | ≤36.00 | PASS |
| | Ant2 | 2412 | 17.50 | 17.50 | ≤30.00 | -3.02 | 14.48 | ≤36.00 | PASS |
| | Ant1 | 2437 | 16.71 | 16.71 | ≤30.00 | -2.21 | 14.50 | ≤36.00 | PASS |
| | Ant2 | 2437 | 18.09 | 18.09 | ≤30.00 | -3.02 | 15.07 | ≤36.00 | PASS |
| | Ant1 | 2462 | 16.33 | 16.33 | ≤30.00 | -2.21 | 14.12 | ≤36.00 | PASS |
| | Ant2 | 2462 | 17.97 | 17.97 | ≤30.00 | -3.02 | 14.95 | ≤36.00 | PASS |
| 11G | Ant1 | 2412 | 23.55 | 23.55 | ≤30.00 | -2.21 | 21.34 | ≤36.00 | PASS |
| | Ant2 | 2412 | 24.19 | 24.19 | ≤30.00 | -3.02 | 21.17 | ≤36.00 | PASS |
| | Ant1 | 2437 | 24.12 | 24.12 | ≤30.00 | -2.21 | 21.91 | ≤36.00 | PASS |
| | Ant2 | 2437 | 24.76 | 24.76 | ≤30.00 | -3.02 | 21.74 | ≤36.00 | PASS |
| | Ant1 | 2462 | 23.87 | 23.87 | ≤30.00 | -2.21 | 21.66 | ≤36.00 | PASS |
| | Ant2 | 2462 | 24.57 | 24.57 | ≤30.00 | -3.02 | 21.55 | ≤36.00 | PASS |
| 11N20MIMO | Ant1 | 2412 | 20.34 | 20.34 | ≤30.00 | -2.21 | 18.13 | ≤36.00 | PASS |
| | Ant2 | 2412 | 21.89 | 21.89 | ≤30.00 | -3.02 | 18.87 | ≤36.00 | PASS |
| | total | 2412 | --- | 24.19 | ≤30.00 | --- | 21.53 | ≤36.00 | PASS |
| | Ant1 | 2437 | 21.06 | 21.06 | ≤30.00 | -2.21 | 18.85 | ≤36.00 | PASS |
| | Ant2 | 2437 | 20.66 | 20.66 | ≤30.00 | -3.02 | 17.64 | ≤36.00 | PASS |
| | total | 2437 | --- | 23.87 | ≤30.00 | --- | 21.30 | ≤36.00 | PASS |
| | Ant1 | 2462 | 20.95 | 20.95 | ≤30.00 | -2.21 | 18.74 | ≤36.00 | PASS |
| | Ant2 | 2462 | 21.11 | 21.11 | ≤30.00 | -3.02 | 18.09 | ≤36.00 | PASS |
| | total | 2462 | --- | 24.04 | ≤30.00 | --- | 21.44 | ≤36.00 | PASS |
| 11N40MIMO | Ant1 | 2422 | 20.81 | 20.81 | ≤30.00 | -2.21 | 18.60 | ≤36.00 | PASS |
| | Ant2 | 2422 | 21.81 | 21.81 | ≤30.00 | -3.02 | 18.79 | ≤36.00 | PASS |
| | total | 2422 | --- | 24.35 | ≤30.00 | --- | 21.71 | ≤36.00 | PASS |
| | Ant1 | 2437 | 21.12 | 21.12 | ≤30.00 | -2.21 | 18.91 | ≤36.00 | PASS |
| | Ant2 | 2437 | 21.00 | 21.00 | ≤30.00 | -3.02 | 17.98 | ≤36.00 | PASS |
| | total | 2437 | --- | 24.07 | ≤30.00 | --- | 21.48 | ≤36.00 | PASS |
| | Ant1 | 2452 | 21.17 | 21.17 | ≤30.00 | -2.21 | 18.96 | ≤36.00 | PASS |
| | Ant2 | 2452 | 20.68 | 20.68 | ≤30.00 | -3.02 | 17.66 | ≤36.00 | PASS |
| | total | 2452 | --- | 23.94 | ≤30.00 | --- | 21.37 | ≤36.00 | PASS |

## Test Result Average

| TestMode | Antenna | Frequency[MHz] | Set Power | Peak Powert[dBm] | Conducted Limit[dBm] | EIRP [dBm] | EIRP Limit[dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | --- | 11.27 | ≤30.00 | 9.06 | ≤36.00 | PASS |
| | Ant2 | 2412 | --- | 14.90 | ≤30.00 | 11.88 | ≤36.00 | PASS |
| | Ant1 | 2437 | --- | 11.83 | ≤30.00 | 9.62 | ≤36.00 | PASS |
| | Ant2 | 2437 | --- | 14.75 | ≤30.00 | 11.73 | ≤36.00 | PASS |
| | Ant1 | 2462 | --- | 12.31 | ≤30.00 | 10.10 | ≤36.00 | PASS |
| | Ant2 | 2462 | --- | 14.66 | ≤30.00 | 11.64 | ≤36.00 | PASS |
| 11G | Ant1 | 2412 | --- | 13.40 | ≤30.00 | 11.19 | ≤36.00 | PASS |
| | Ant2 | 2412 | --- | 16.02 | ≤30.00 | 13.00 | ≤36.00 | PASS |
| | Ant1 | 2437 | --- | 13.58 | ≤30.00 | 11.37 | ≤36.00 | PASS |
| | Ant2 | 2437 | --- | 15.77 | ≤30.00 | 12.75 | ≤36.00 | PASS |
| | Ant1 | 2462 | --- | 14.08 | ≤30.00 | 11.87 | ≤36.00 | PASS |
| | Ant2 | 2462 | --- | 15.67 | ≤30.00 | 12.65 | ≤36.00 | PASS |
| 11N20MIMO | Ant1 | 2412 | --- | 10.25 | ≤30.00 | 8.04 | ≤36.00 | PASS |
| | Ant2 | 2412 | --- | 13.38 | ≤30.00 | 10.36 | ≤36.00 | PASS |
| | total | 2412 | --- | 15.10 | ≤30.00 | 12.36 | ≤36.00 | PASS |
| | Ant1 | 2437 | --- | 10.63 | ≤30.00 | 8.42 | ≤36.00 | PASS |
| | Ant2 | 2437 | --- | 11.35 | ≤30.00 | 8.33 | ≤36.00 | PASS |
| | total | 2437 | --- | 14.02 | ≤30.00 | 11.39 | ≤36.00 | PASS |
| | Ant1 | 2462 | --- | 11.29 | ≤30.00 | 9.08 | ≤36.00 | PASS |
| | Ant2 | 2462 | --- | 11.95 | ≤30.00 | 8.93 | ≤36.00 | PASS |
| | total | 2462 | --- | 14.64 | ≤30.00 | 12.02 | ≤36.00 | PASS |
| 11N40MIMO | Ant1 | 2422 | --- | 10.66 | ≤30.00 | 8.45 | ≤36.00 | PASS |
| | Ant2 | 2422 | --- | 13.23 | ≤30.00 | 10.21 | ≤36.00 | PASS |
| | total | 2422 | --- | 15.14 | ≤30.00 | 12.43 | ≤36.00 | PASS |
| | Ant1 | 2437 | --- | 10.70 | ≤30.00 | 8.49 | ≤36.00 | PASS |
| | Ant2 | 2437 | --- | 11.65 | ≤30.00 | 8.63 | ≤36.00 | PASS |
| | total | 2437 | --- | 14.21 | ≤30.00 | 11.57 | ≤36.00 | PASS |
| | Ant1 | 2452 | --- | 11.05 | ≤30.00 | 8.84 | ≤36.00 | PASS |
| | Ant2 | 2452 | --- | 11.44 | ≤30.00 | 8.42 | ≤36.00 | PASS |
| | total | 2452 | --- | 14.26 | ≤30.00 | 11.65 | ≤36.00 | PASS |

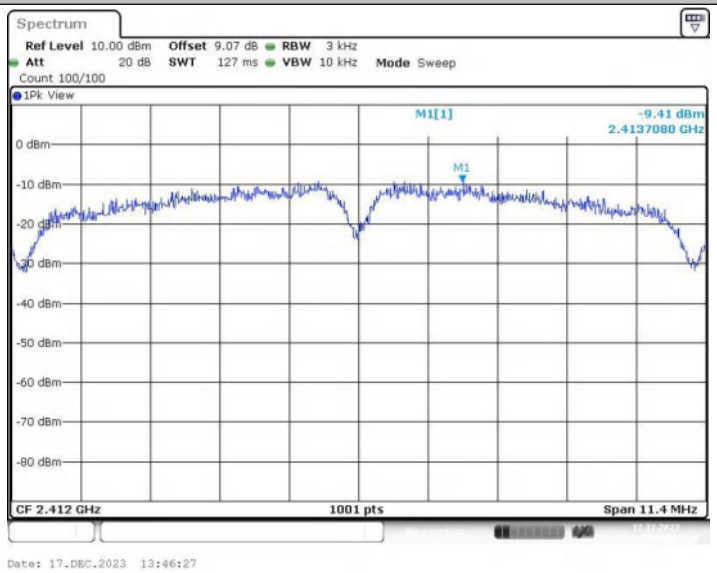
# Appendix D: Maximum power spectral density

## Test Result

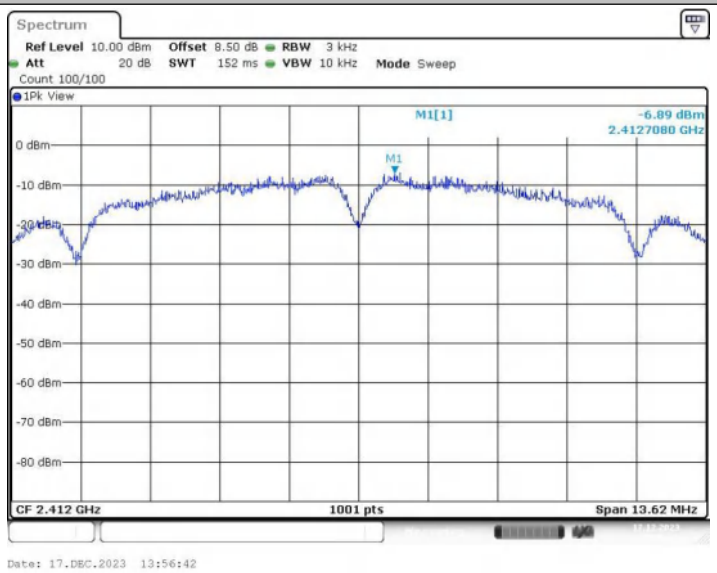
| TestMode | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | -9.41 | ≤8.00 | PASS |
| | Ant2 | 2412 | -6.89 | ≤8.00 | PASS |
| | Ant1 | 2437 | -7.61 | ≤8.00 | PASS |
| | Ant2 | 2437 | -6.51 | ≤8.00 | PASS |
| | Ant1 | 2462 | -7.94 | ≤8.00 | PASS |
| | Ant2 | 2462 | -6.84 | ≤8.00 | PASS |
| 11G | Ant1 | 2412 | -7.85 | ≤8.00 | PASS |
| | Ant2 | 2412 | -7.32 | ≤8.00 | PASS |
| | Ant1 | 2437 | -7.5 | ≤8.00 | PASS |
| | Ant2 | 2437 | -7.3 | ≤8.00 | PASS |
| | Ant1 | 2462 | -7.66 | ≤8.00 | PASS |
| | Ant2 | 2462 | -7.43 | ≤8.00 | PASS |
| 11N20MIMO | Ant1 | 2412 | -11.69 | ≤8.00 | PASS |
| | Ant2 | 2412 | -10.98 | ≤8.00 | PASS |
| | total | 2412 | -8.31 | ≤8.00 | PASS |
| | Ant1 | 2437 | -10.96 | ≤8.00 | PASS |
| | Ant2 | 2437 | -10.83 | ≤8.00 | PASS |
| | total | 2437 | -7.88 | ≤8.00 | PASS |
| | Ant1 | 2462 | -10.9 | ≤8.00 | PASS |
| | Ant2 | 2462 | -10.4 | ≤8.00 | PASS |
| | total | 2462 | -7.63 | ≤8.00 | PASS |
| 11N40MIMO | Ant1 | 2422 | -11.91 | ≤8.00 | PASS |
| | Ant2 | 2422 | -12.54 | ≤8.00 | PASS |
| | total | 2422 | -9.20 | ≤8.00 | PASS |
| | Ant1 | 2437 | -13.04 | ≤8.00 | PASS |
| | Ant2 | 2437 | -13.3 | ≤8.00 | PASS |
| | total | 2437 | -10.16 | ≤8.00 | PASS |
| | Ant1 | 2452 | -13.64 | ≤8.00 | PASS |
| | Ant2 | 2452 | -14.8 | ≤8.00 | PASS |
| | total | 2452 | -11.17 | ≤8.00 | PASS |

## Test Graphs

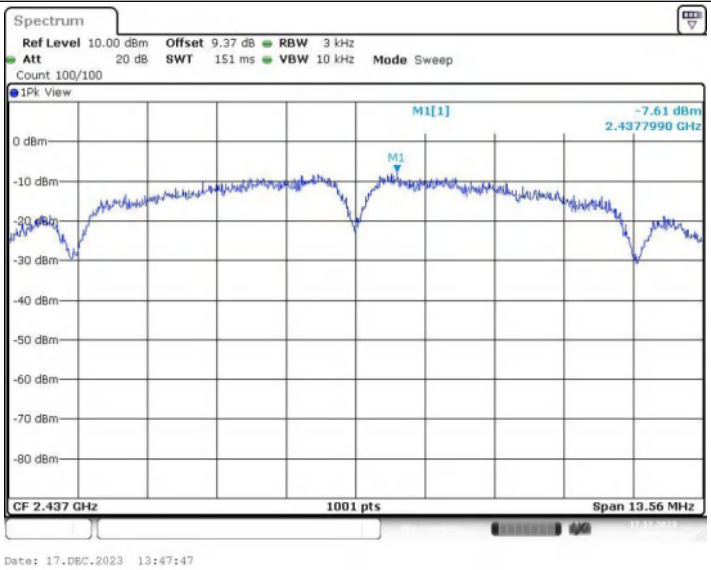
11B_Ant1_2412



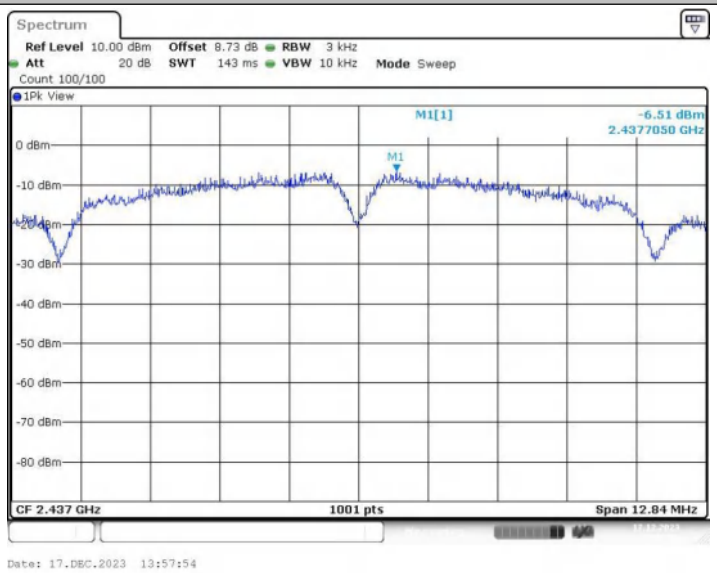

11B_Ant2_2412



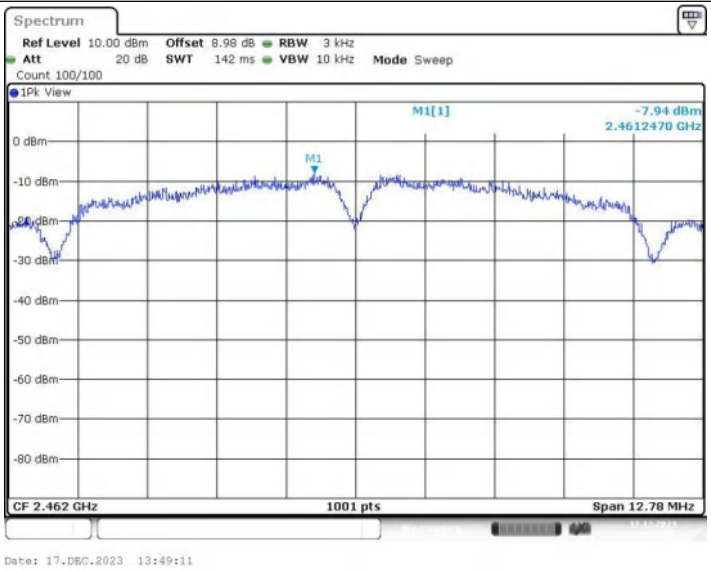

11B_Ant1_2437



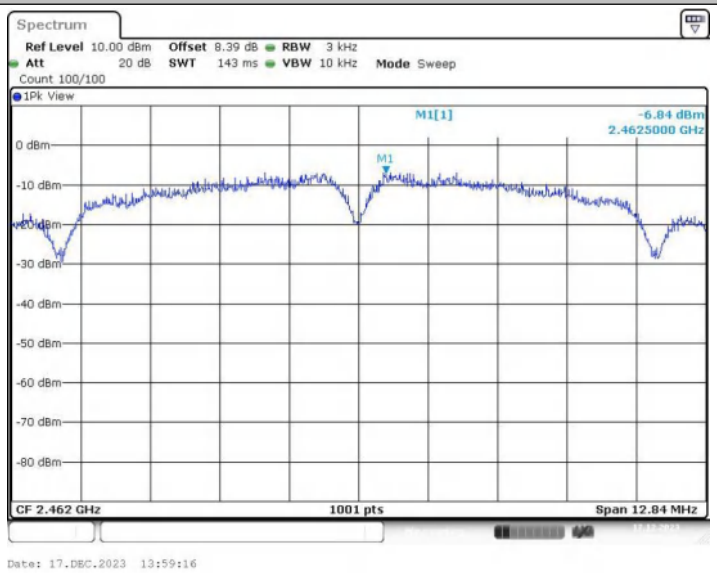

11B_Ant2_2437



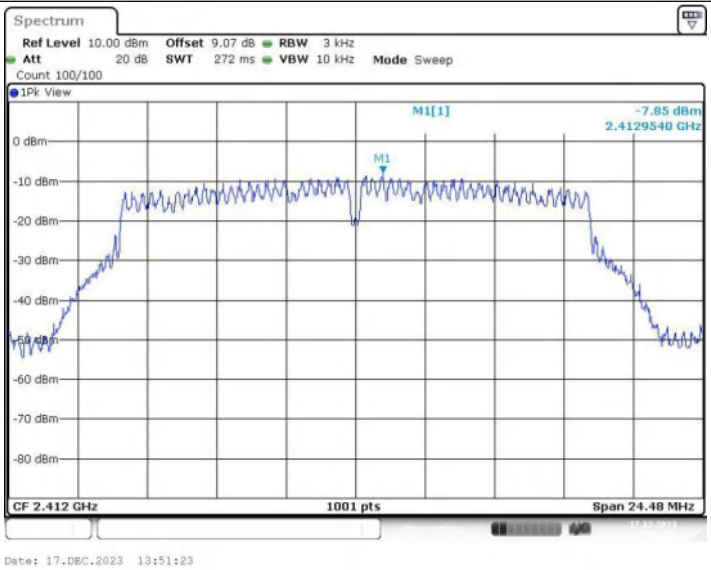

11B_Ant1_2462



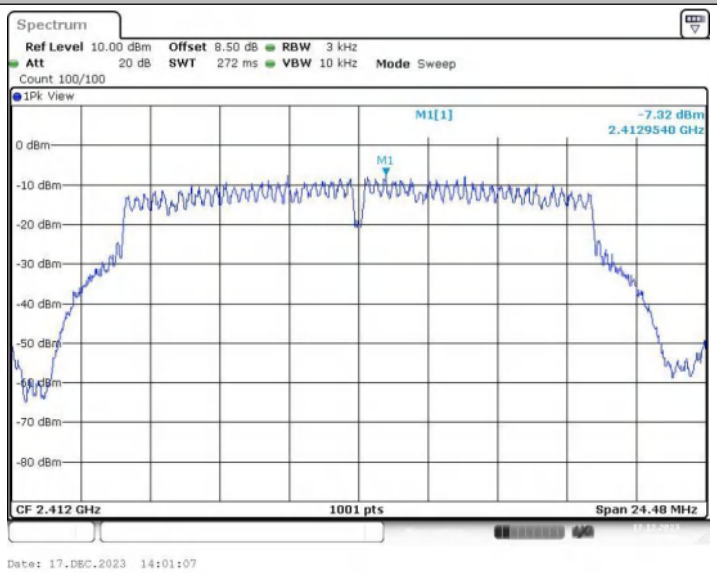

11B_Ant2_2462



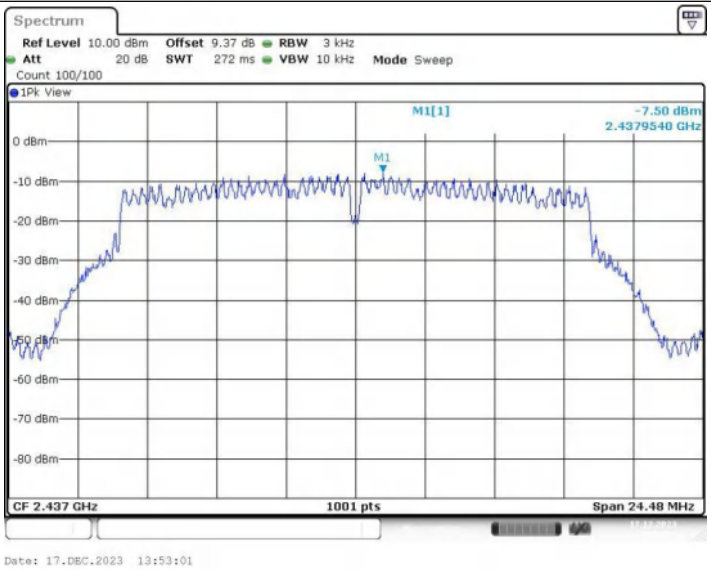

11G_Ant1_2412



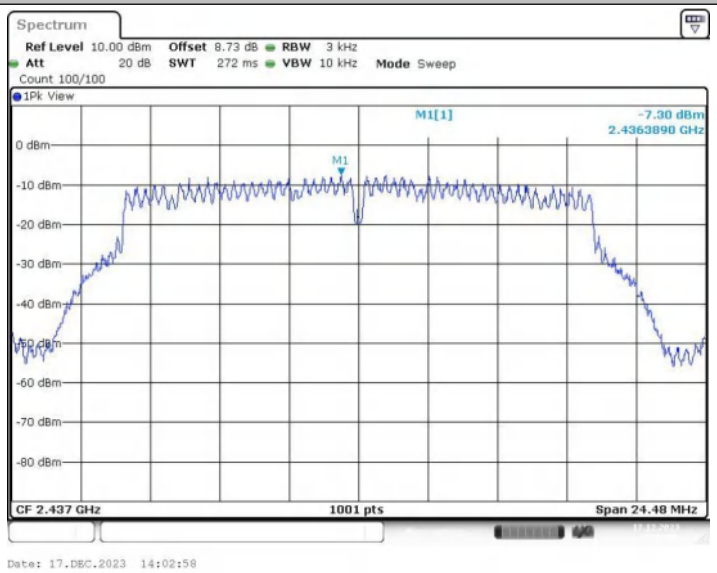

11G_Ant2_2412



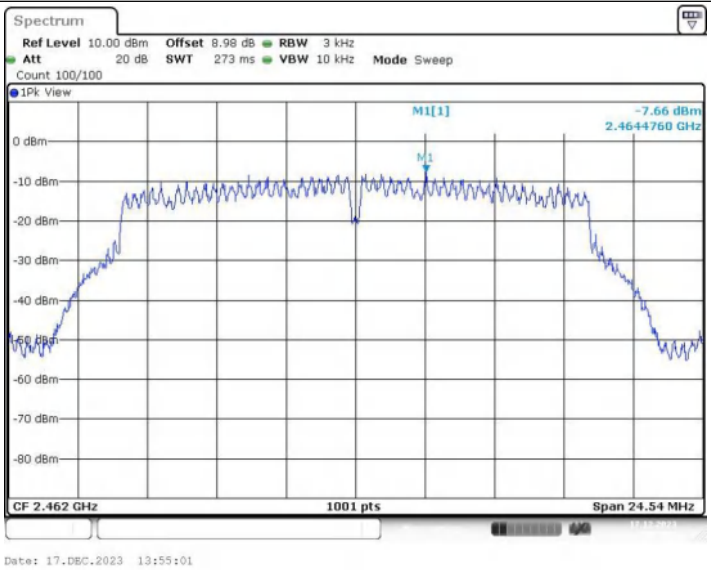

11G_Ant1_2437



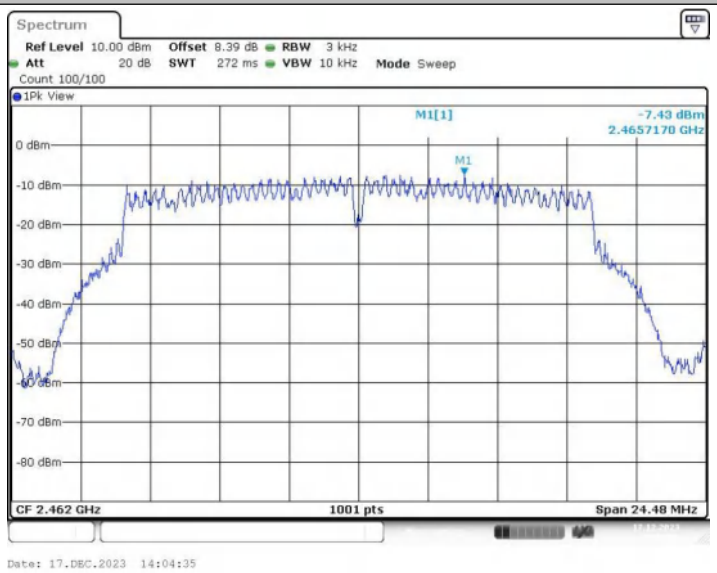

11G_Ant2_2437



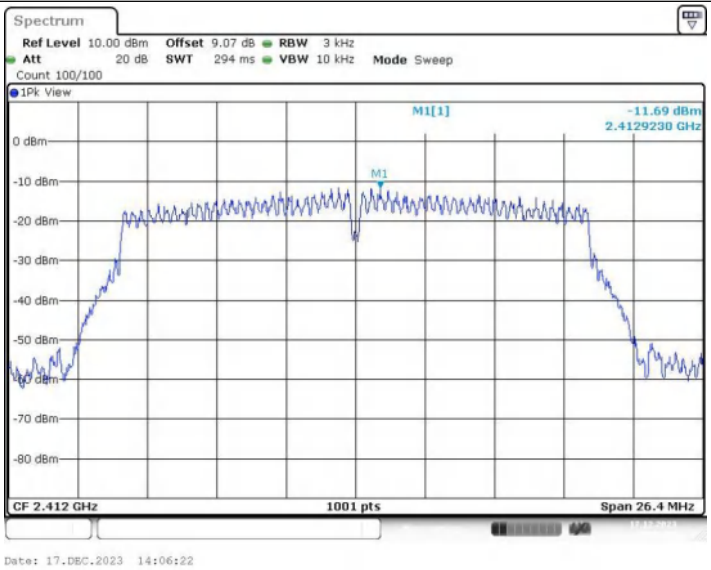

11G_Ant1_2462



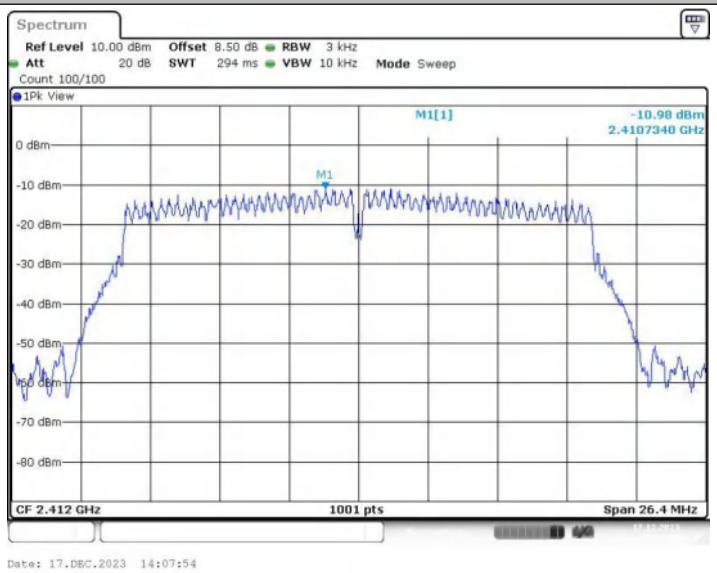

11G_Ant2_2462



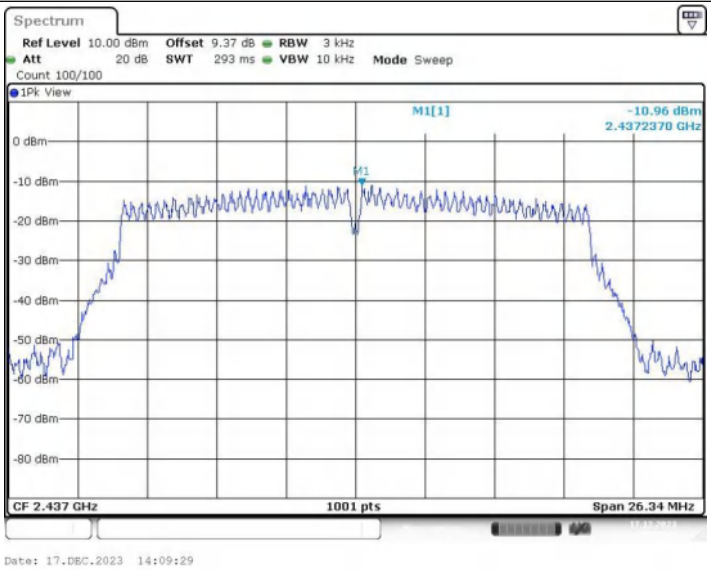

11N20MIMO_Ant1_2412



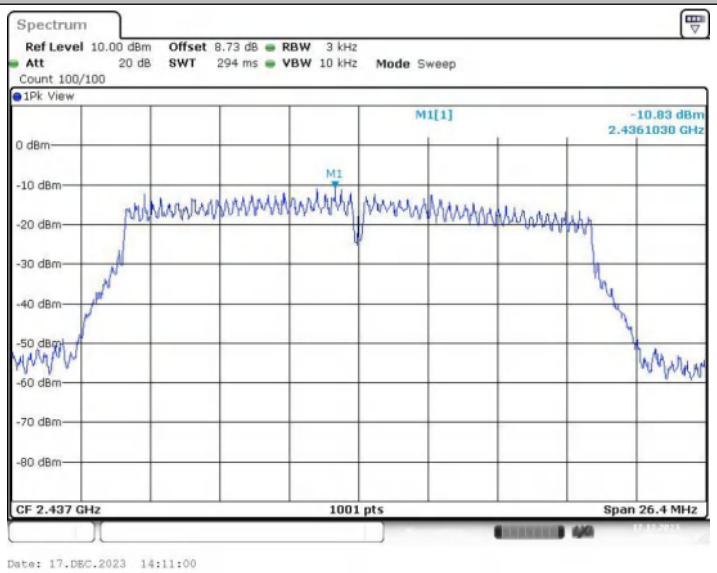

11N20MIMO_Ant2_2412



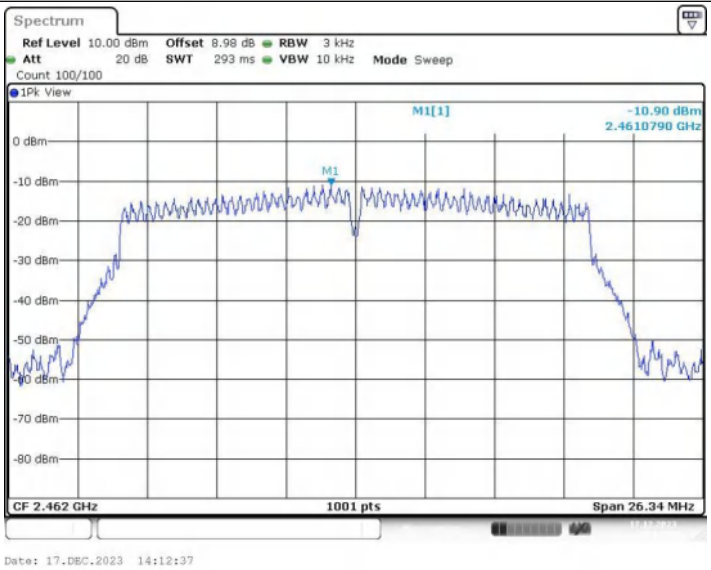

11N20MIMO_Ant1_2437



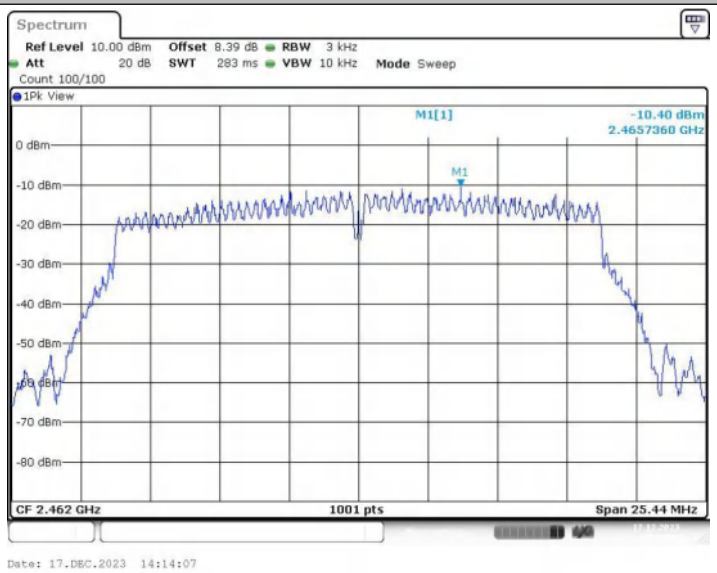

11N20MIMO_Ant2_2437



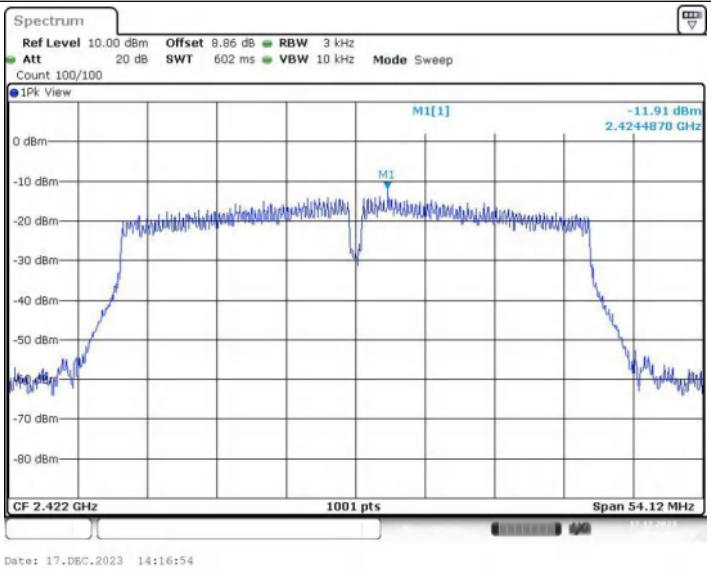

11N20MIMO_Ant1_2462



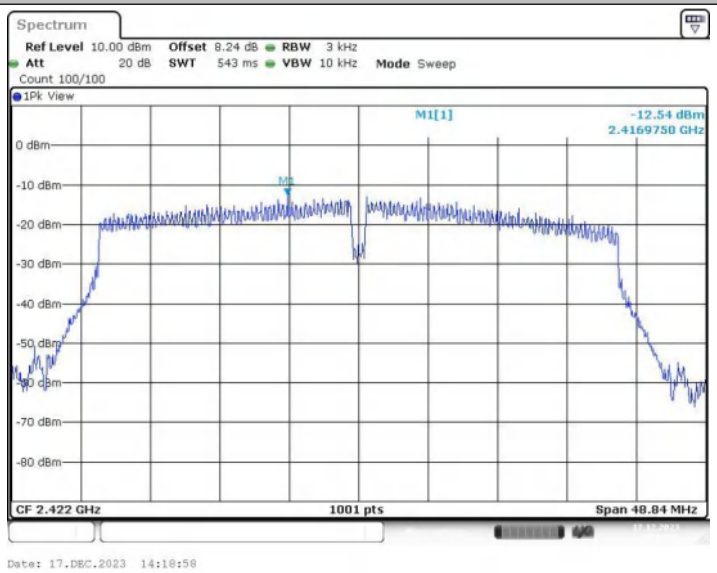

11N20MIMO_Ant2_2462



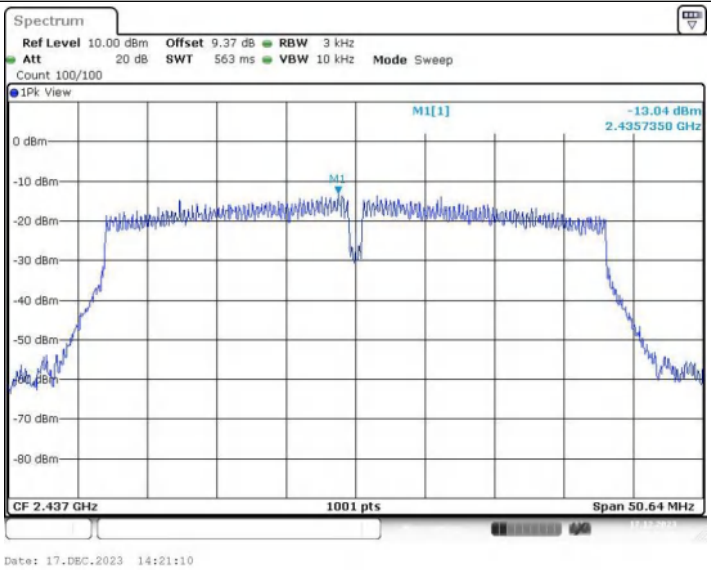

11N40MIMO_Ant1_2422



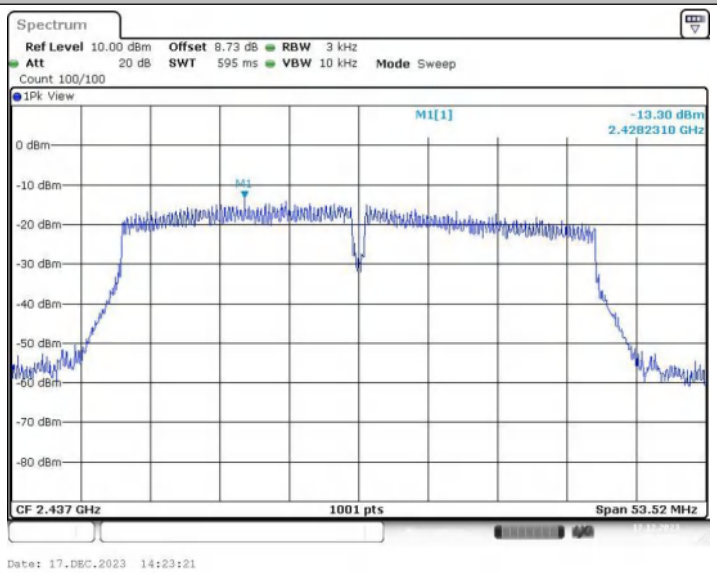

11N40MIMO_Ant2_2422



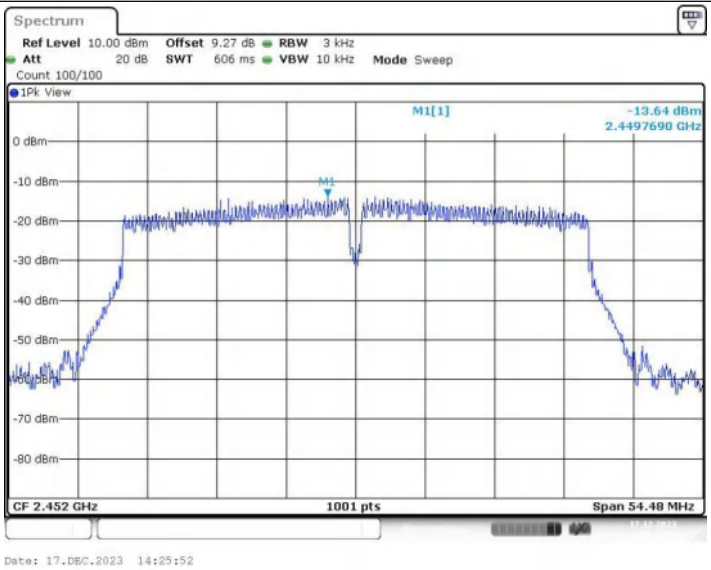

11N40MIMO_Ant1_2437



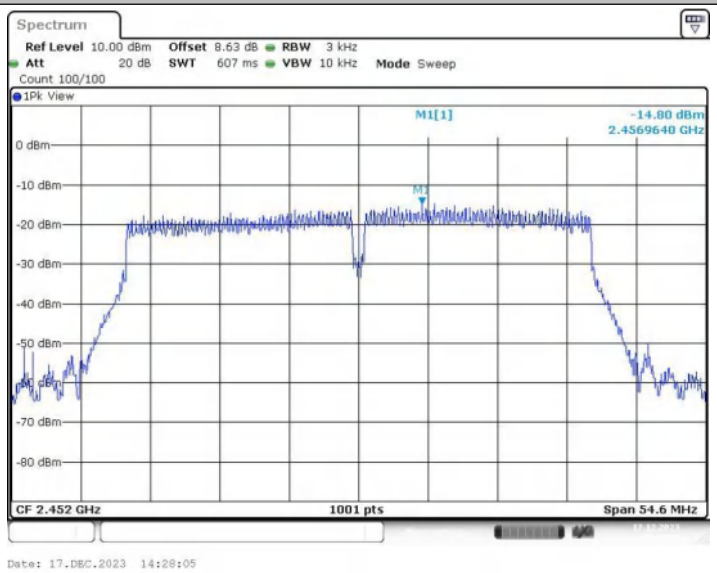

11N40MIMO_Ant2_2437




11N40MIMO_Ant1_2452




11N40MIMO_Ant2_2452



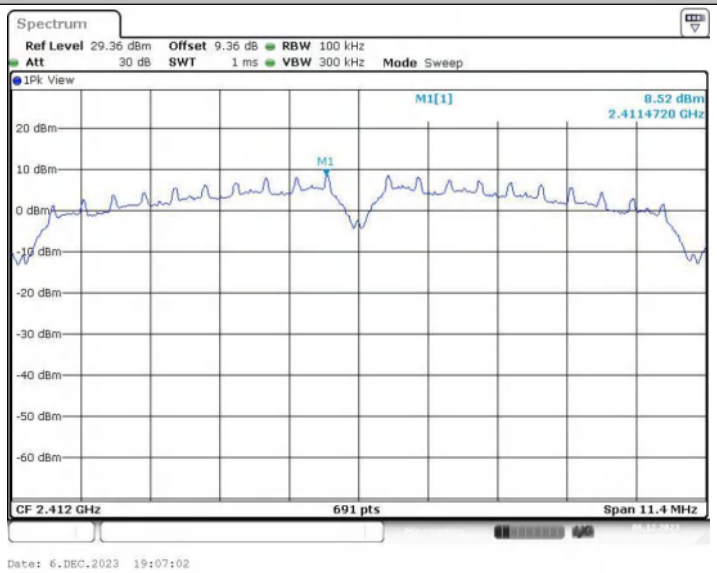
# Appendix E: Reference level measurement

## Test Result

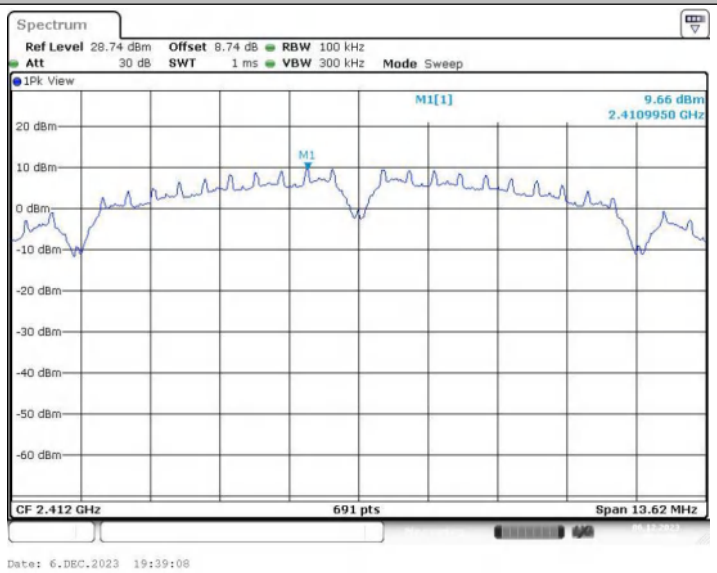
| TestMode | Antenna | Freq(MHz) | Max.Point[MHz] | Result[dBm] |
|---|---|---|---|---|
| 11B | Ant1 | 2412 | 2411.47 | 8.52 |
| | Ant2 | 2412 | 2411.00 | 9.66 |
| | Ant1 | 2437 | 2437.49 | 9.73 |
| | Ant2 | 2437 | 2436.48 | 10.34 |
| | Ant1 | 2462 | 2461.46 | 9.82 |
| | Ant2 | 2462 | 2461.48 | 10.63 |
| 11G | Ant1 | 2412 | 2410.97 | 5.43 |
| | Ant2 | 2412 | 2409.84 | 4.01 |
| | Ant1 | 2437 | 2437.60 | 5.86 |
| | Ant2 | 2437 | 2434.87 | 5.04 |
| | Ant1 | 2462 | 2460.72 | 6.00 |
| | Ant2 | 2462 | 2462.85 | 5.00 |
| 11N20MIMO | Ant1 | 2412 | 2414.25 | 2.25 |
| | Ant2 | 2412 | 2413.22 | 3.28 |
| | Ant1 | 2437 | 2437.95 | 3.28 |
| | Ant2 | 2437 | 2435.74 | 2.98 |
| | Ant1 | 2462 | 2461.12 | 3.17 |
| | Ant2 | 2462 | 2460.75 | 3.18 |
| 11N40MIMO | Ant1 | 2422 | 2425.52 | -0.62 |
| | Ant2 | 2422 | 2420.73 | 0.39 |
| | Ant1 | 2437 | 2438.25 | 0.28 |
| | Ant2 | 2437 | 2435.76 | -0.23 |
| | Ant1 | 2452 | 2453.26 | -1.45 |
| | Ant2 | 2452 | 2455.71 | -2.31 |

## Test Graphs

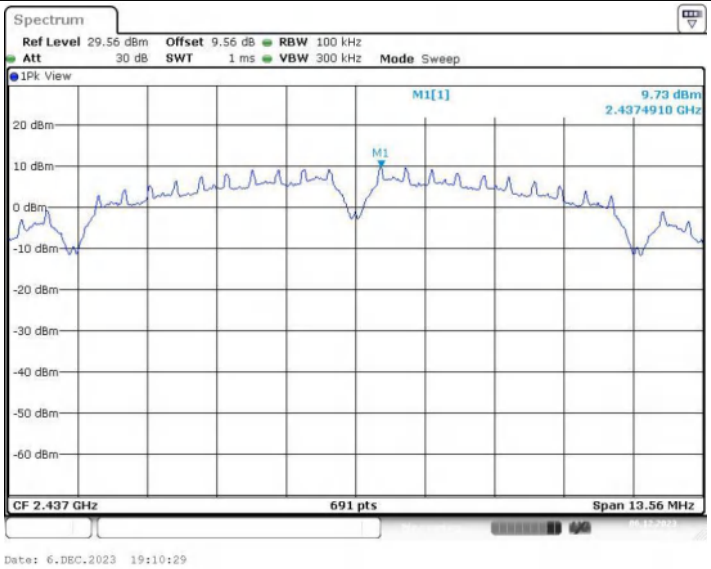
11B_Ant1_2412



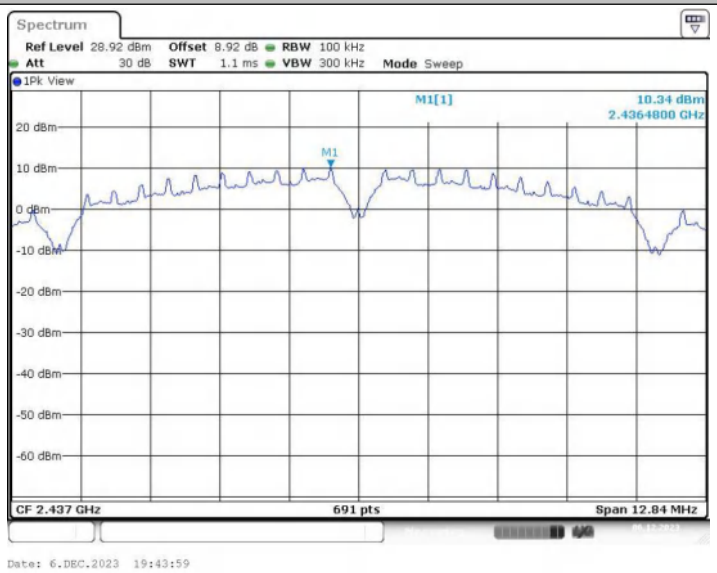

11B_Ant2_2412



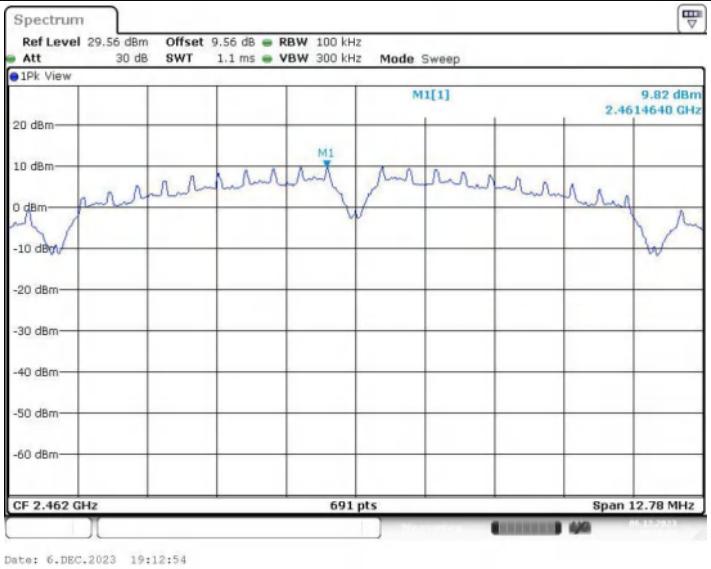

11B_Ant1_2437



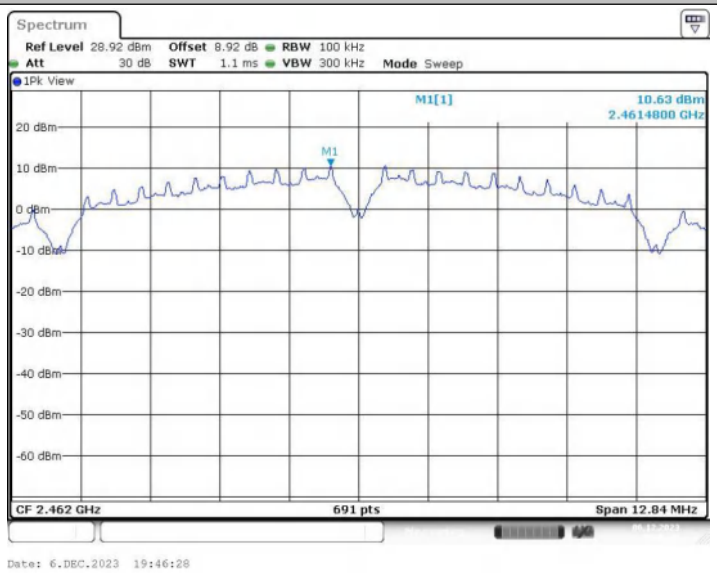

11B_Ant2_2437



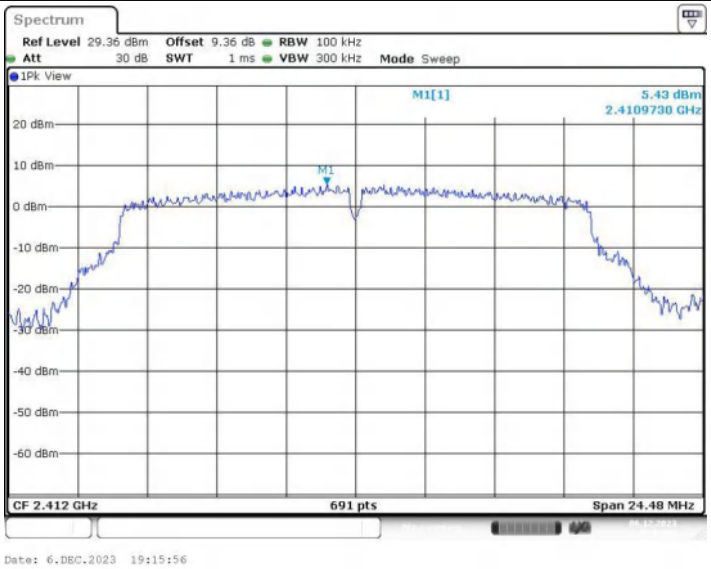

11B_Ant1_2462



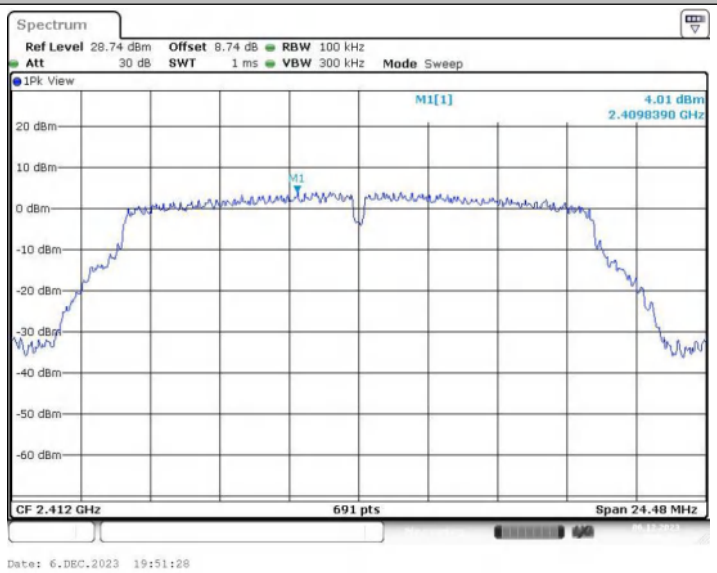

11B_Ant2_2462



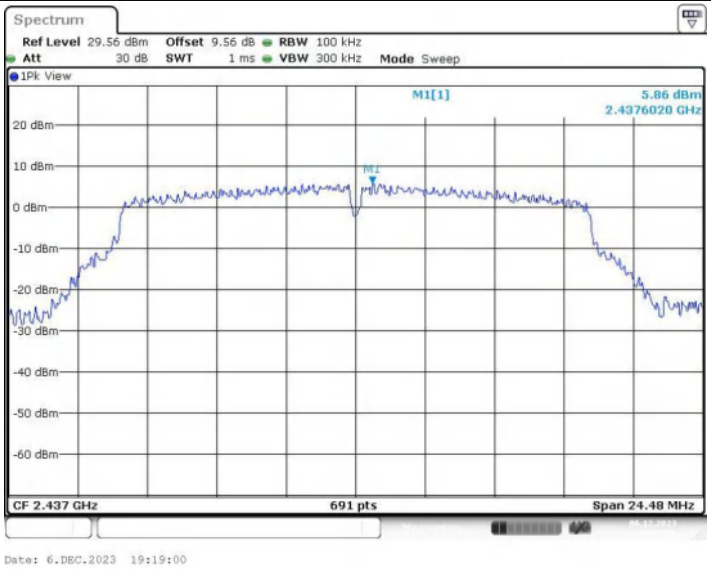

11G_Ant1_2412



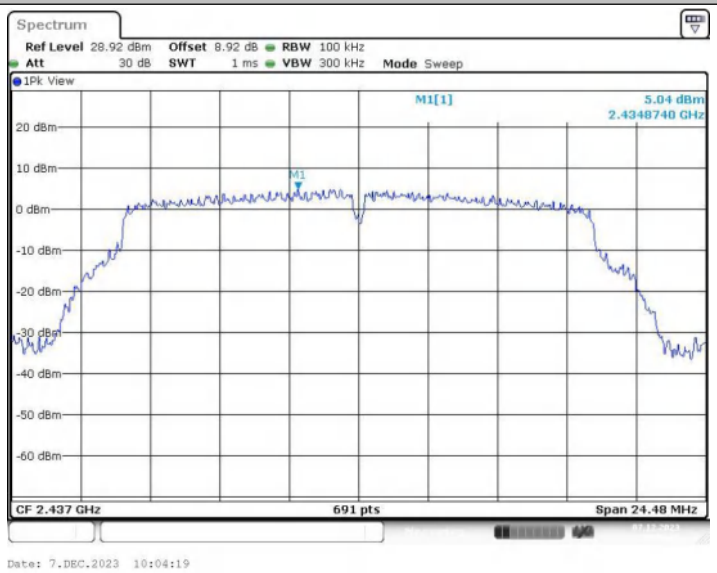

11G_Ant2_2412



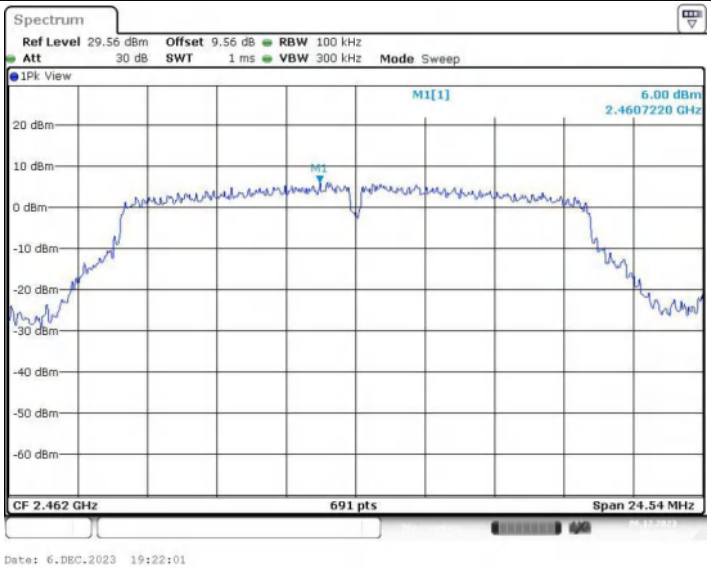

11G_Ant1_2437



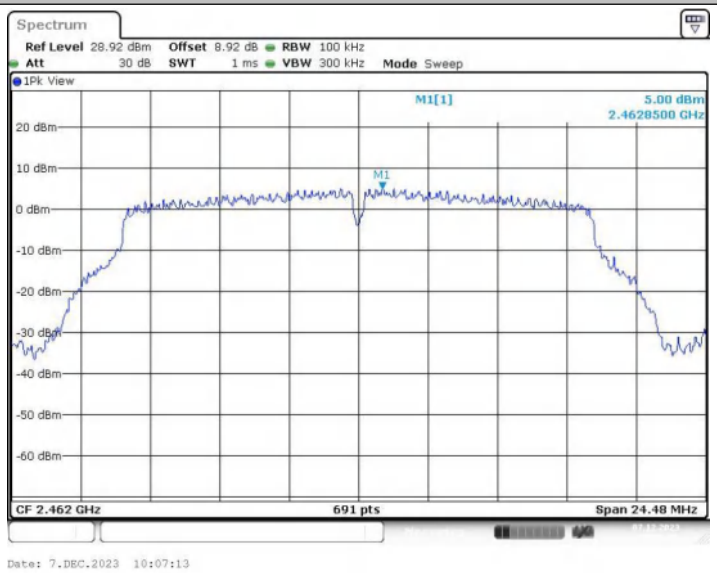

11G_Ant2_2437



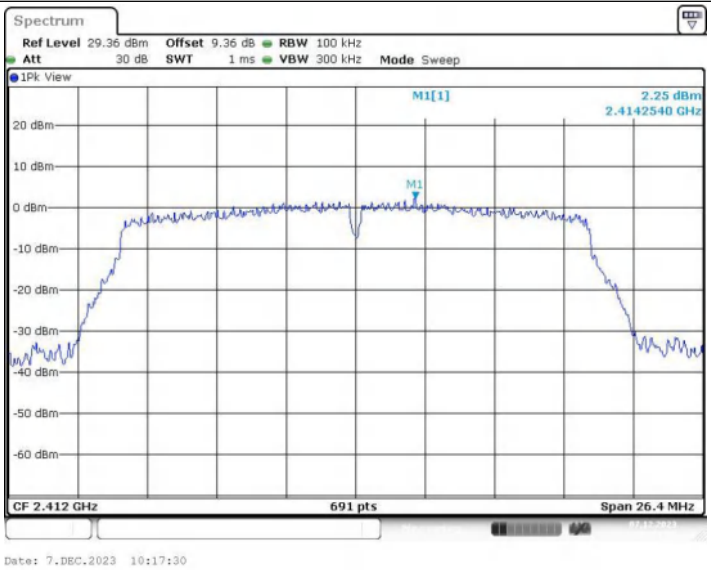

11G_Ant1_2462



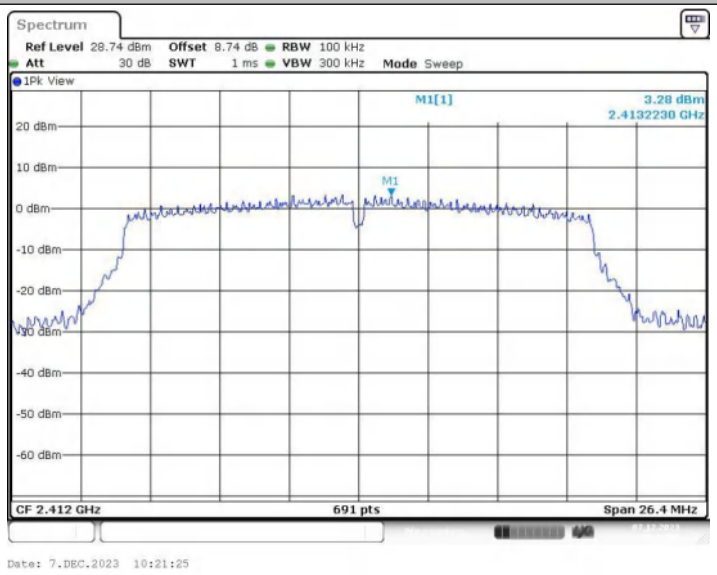

11G_Ant2_2462



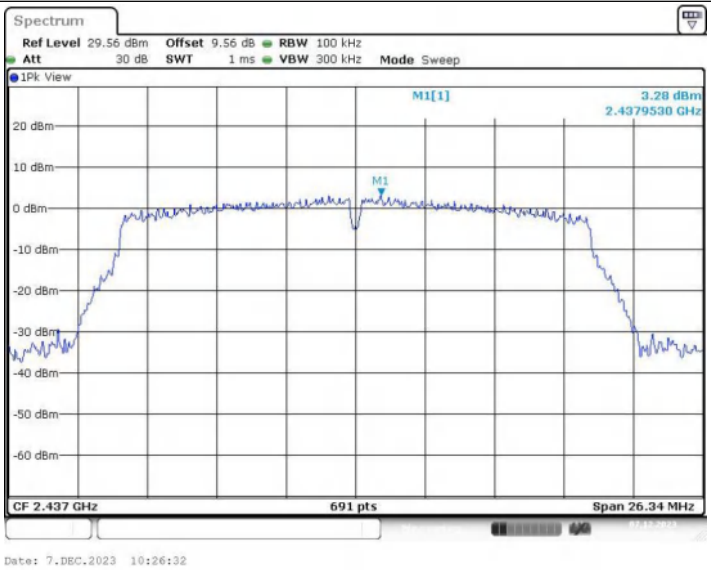

11N20MIMO_Ant1_2412



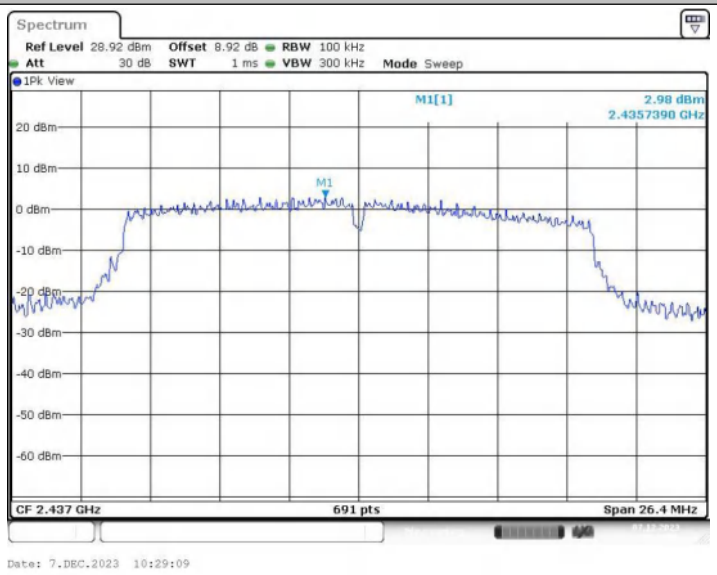

11N20MIMO_Ant2_2412



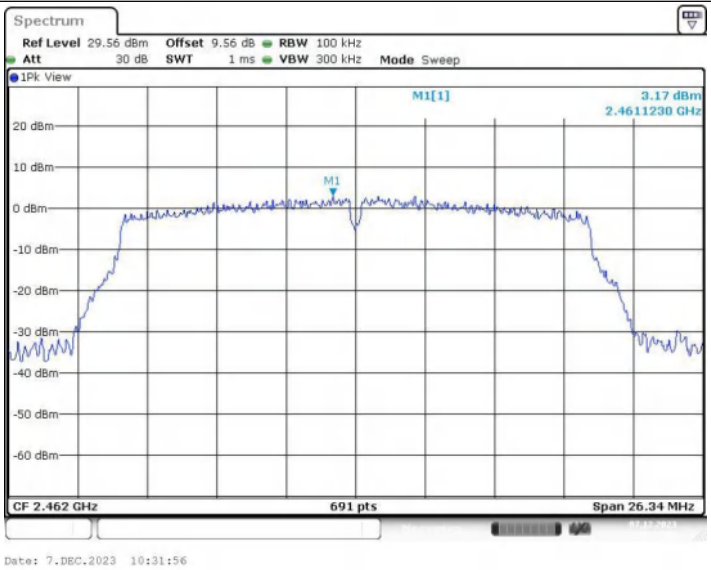

11N20MIMO_Ant1_2437



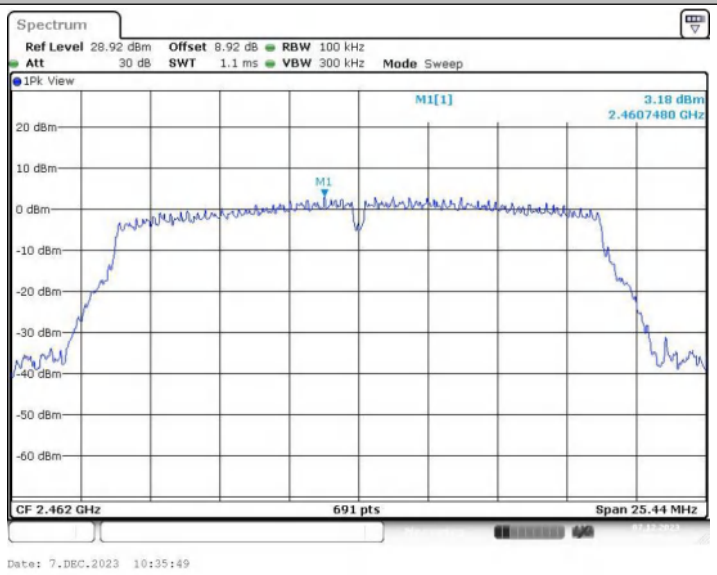

11N20MIMO_Ant2_2437



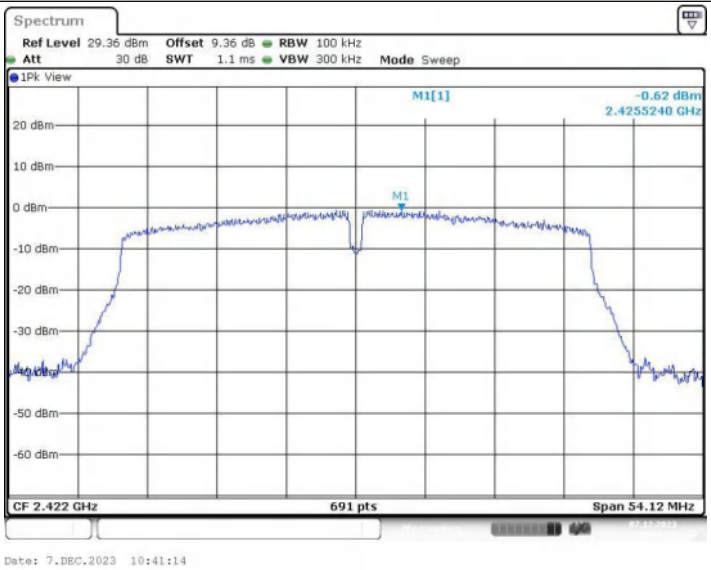

11N20MIMO_Ant1_2462



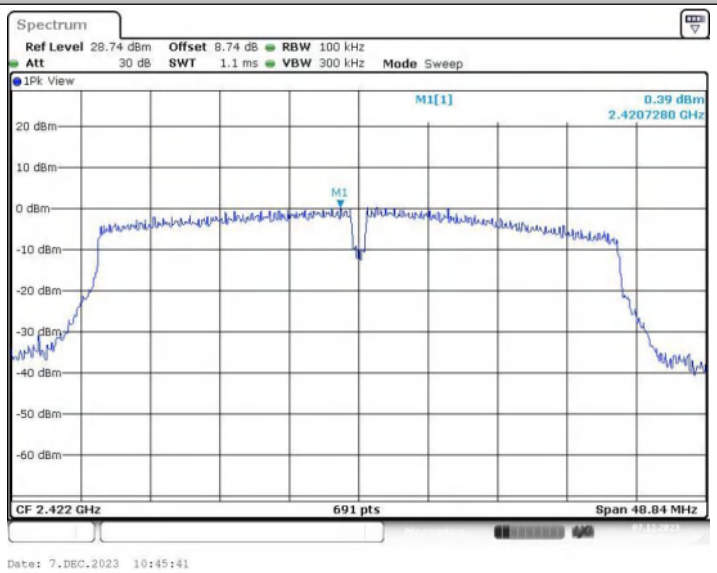

11N20MIMO_Ant2_2462



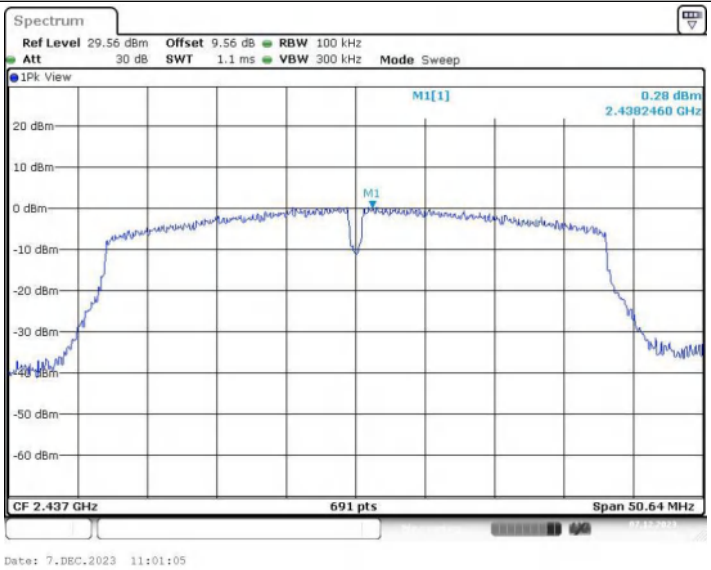

11N40MIMO_Ant1_2422



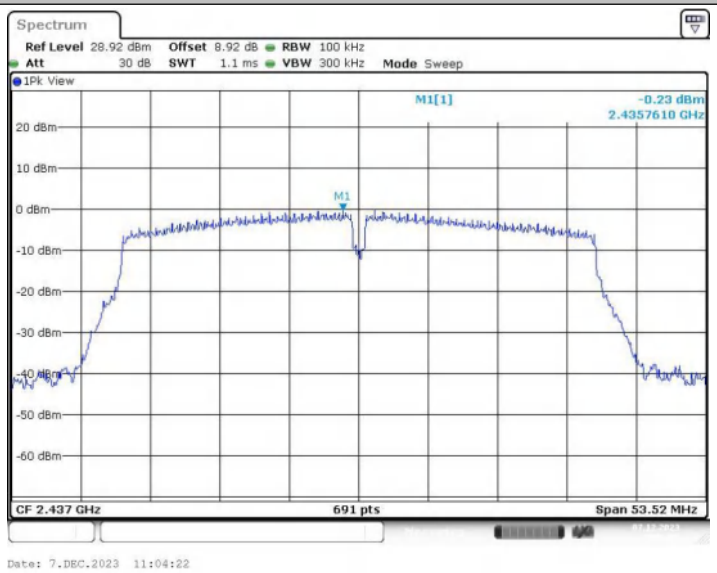

11N40MIMO_Ant2_2422



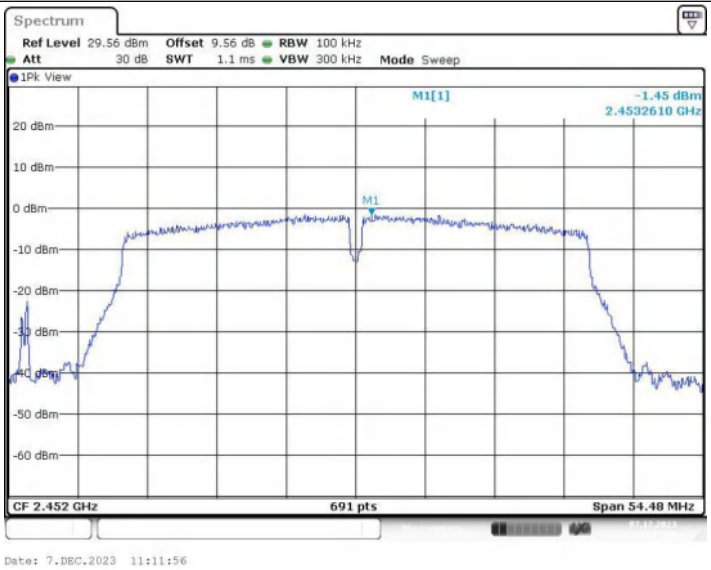

11N40MIMO_Ant1_2437



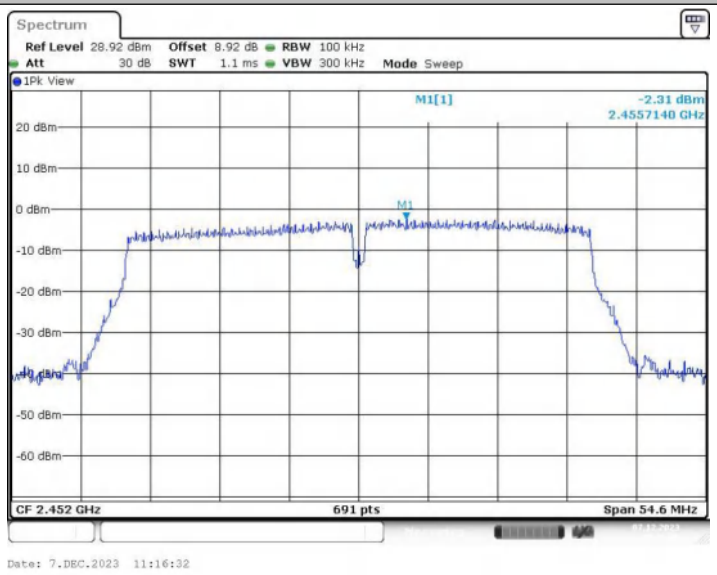

11N40MIMO_Ant2_2437




11N40MIMO_Ant1_2452




11N40MIMO_Ant2_2452



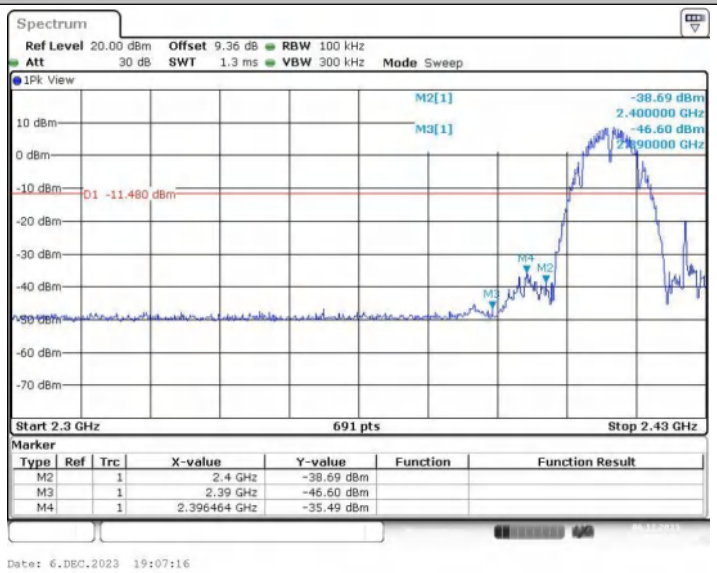
# Appendix F: Band edge measurements

## Test Result

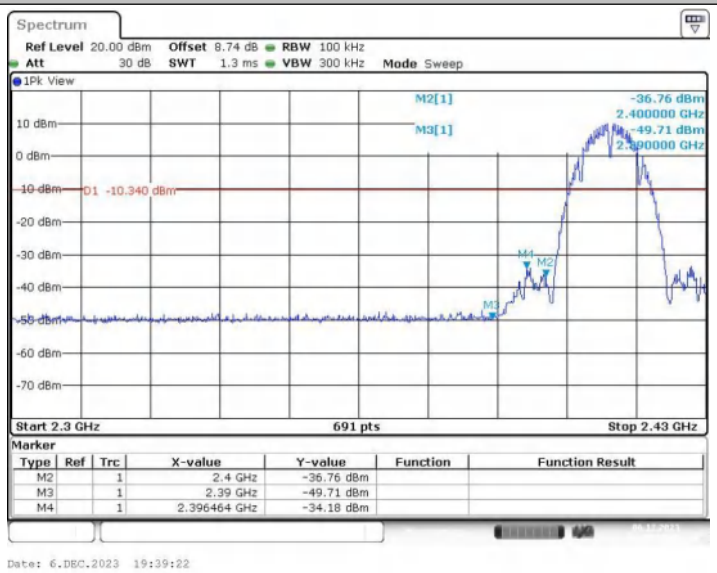
| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant1 | Low | 2412 | 8.52 | -35.49 | ≤-11.48 | PASS |
| | Ant2 | Low | 2412 | 9.66 | -34.18 | ≤-10.34 | PASS |
| | Ant1 | High | 2462 | 9.82 | -43.38 | ≤-10.18 | PASS |
| | Ant2 | High | 2462 | 10.63 | -45.82 | ≤-9.37 | PASS |
| 11G | Ant1 | Low | 2412 | 5.43 | -25.29 | ≤-14.57 | PASS |
| | Ant2 | Low | 2412 | 4.01 | -30.45 | ≤-15.99 | PASS |
| | Ant1 | High | 2462 | 6.00 | -30.65 | ≤-14 | PASS |
| | Ant2 | High | 2462 | 5.00 | -38.12 | ≤-15 | PASS |
| 11N20MIMO | Ant1 | Low | 2412 | 2.25 | -33.47 | ≤-17.75 | PASS |
| | Ant2 | Low | 2412 | 3.28 | -25.89 | ≤-16.72 | PASS |
| | Ant1 | High | 2462 | 3.17 | -37.34 | ≤-16.83 | PASS |
| | Ant2 | High | 2462 | 3.18 | -40.84 | ≤-16.82 | PASS |
| 11N40MIMO | Ant1 | Low | 2422 | -0.62 | -36.71 | ≤-20.62 | PASS |
| | Ant2 | Low | 2422 | 0.39 | -31.66 | ≤-19.61 | PASS |
| | Ant1 | High | 2452 | -1.45 | -42.88 | ≤-21.45 | PASS |
| | Ant2 | High | 2452 | -2.31 | -40.56 | ≤-22.31 | PASS |

## Test Graphs

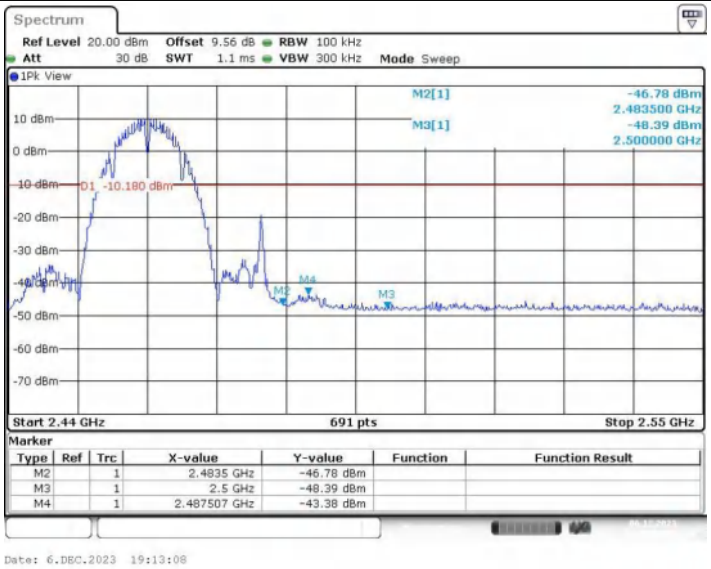
11B_Ant1_Low_2412



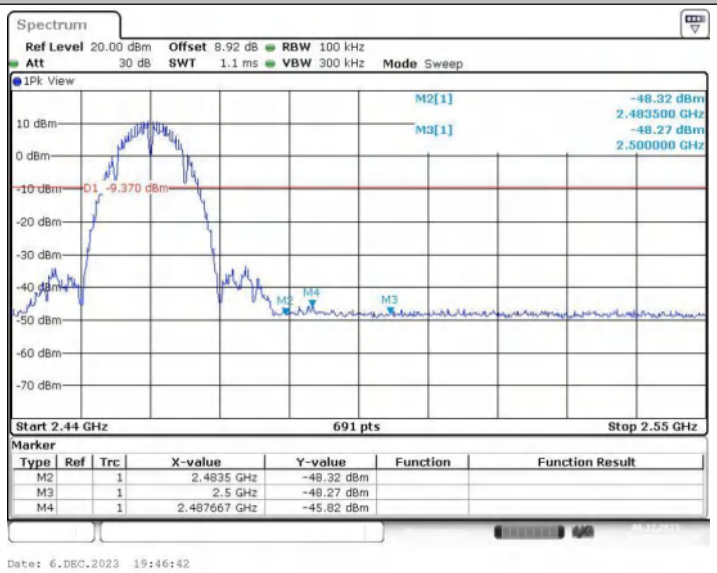

11B_Ant2_Low_2412



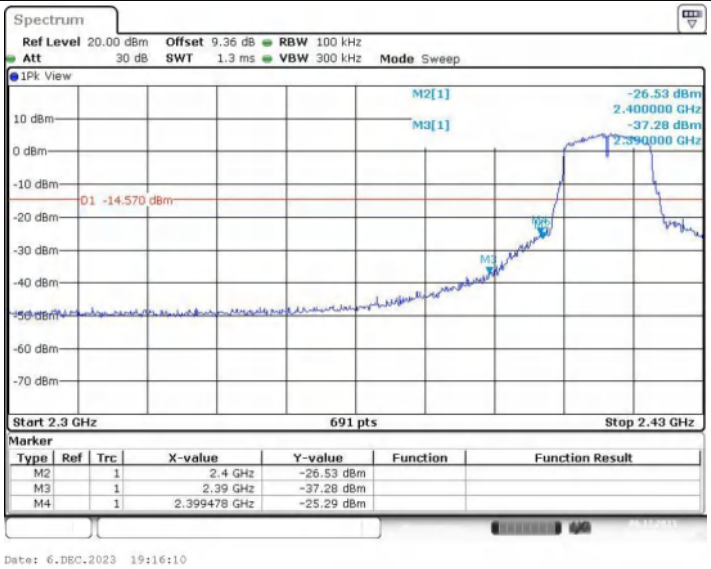

11B_Ant1_High_2462



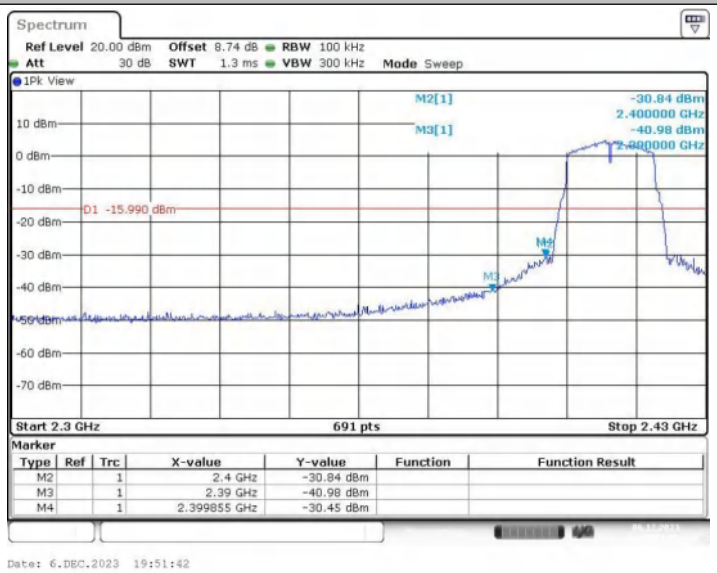

11B_Ant2_High_2462



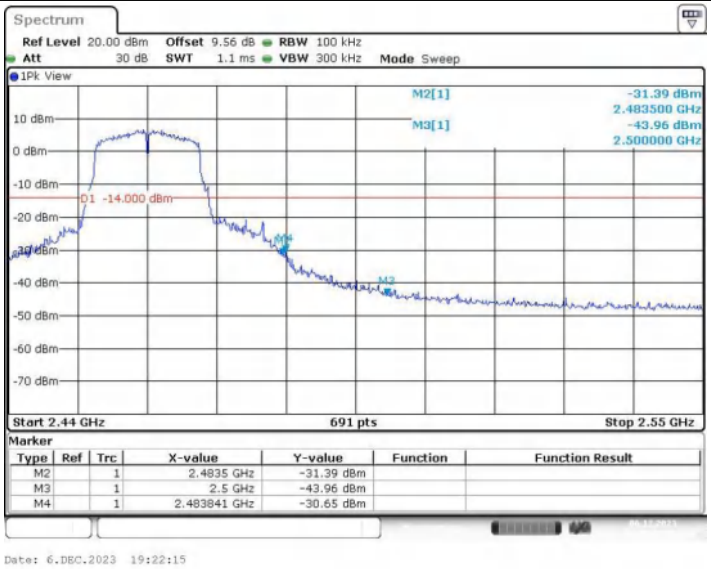

11G_Ant1_Low_2412



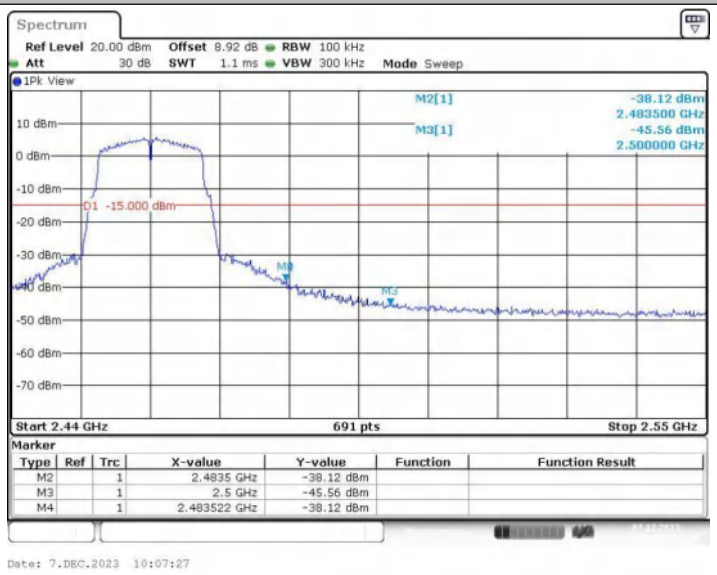

11G_Ant2_Low_2412



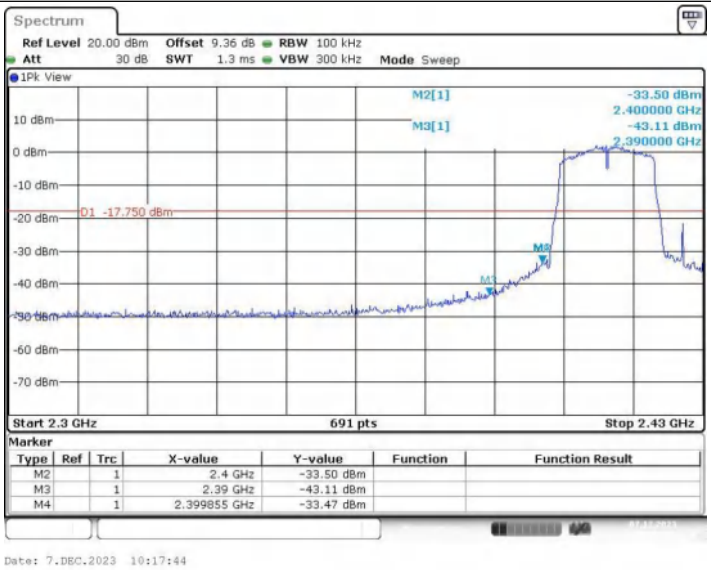

11G_Ant1_High_2462



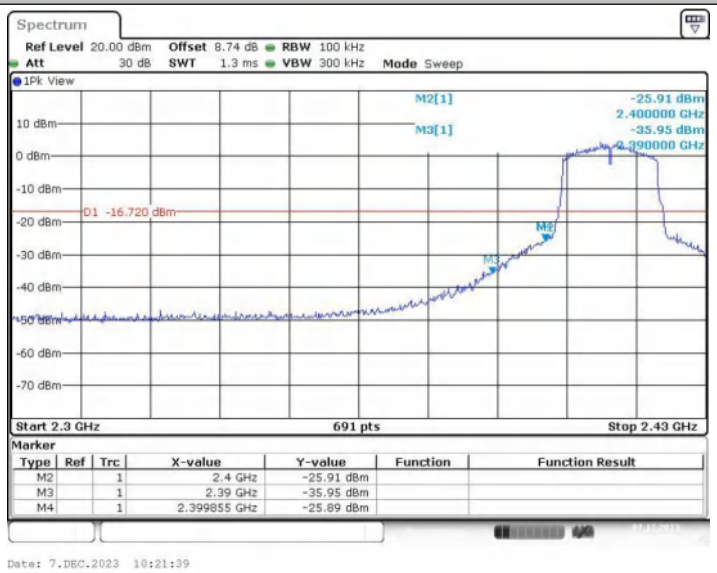

11G_Ant2_High_2462



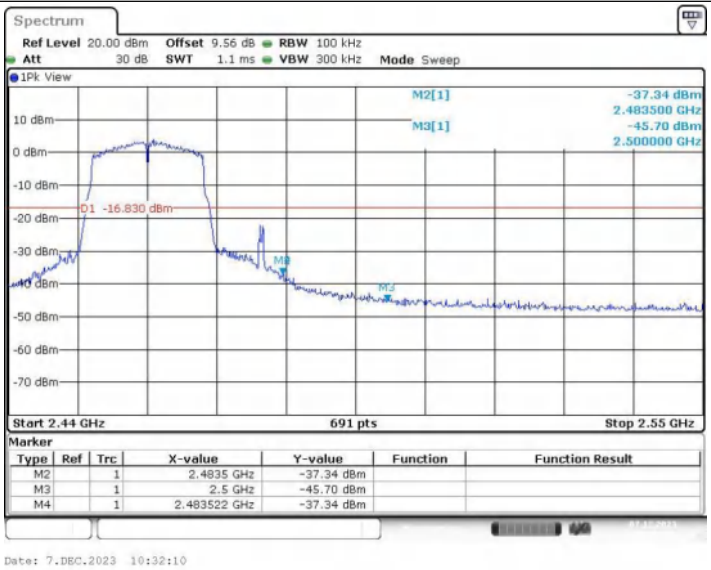

11N20MIMO_Ant1_Low_2412



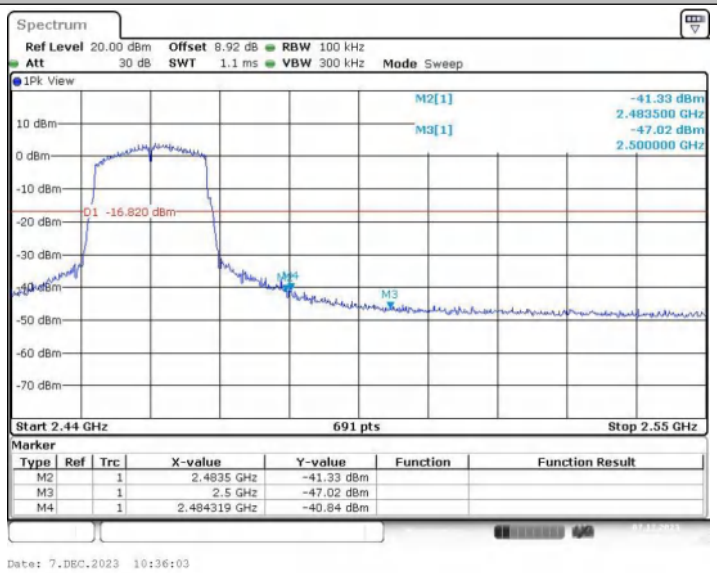

11N20MIMO_Ant2_Low_2412



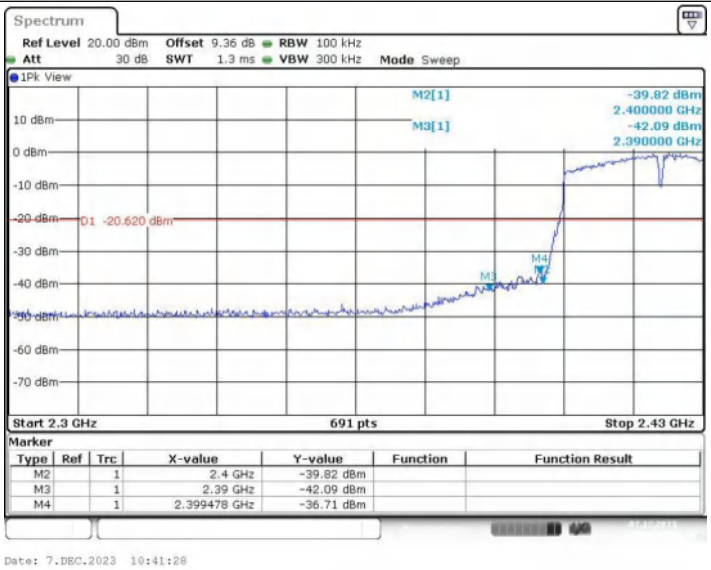

11N20MIMO_Ant1_High_2462



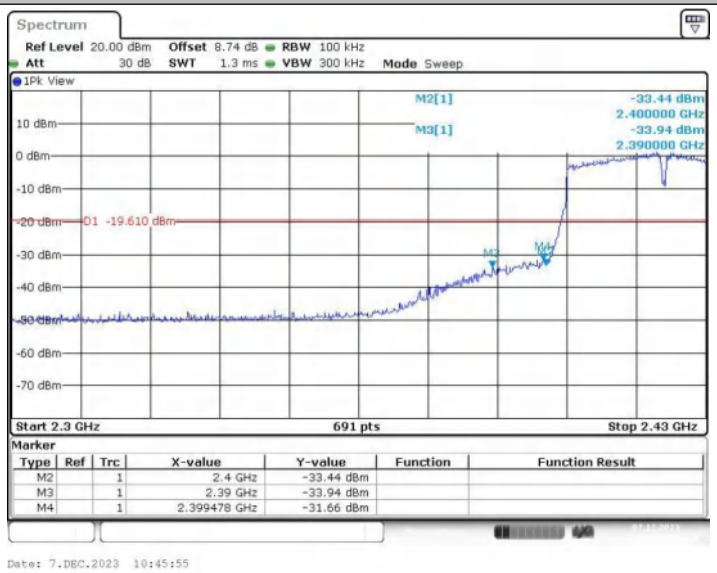

11N20MIMO_Ant2_High_2462



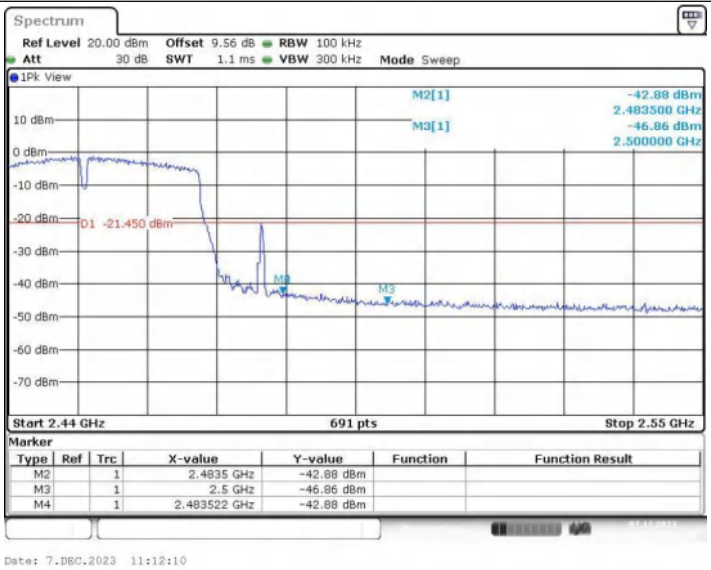

11N40MIMO_Ant1_Low_2422



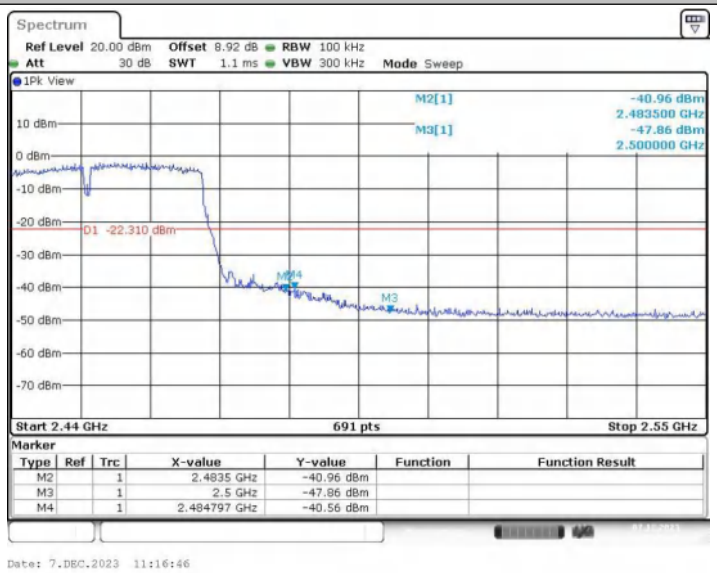

11N40MIMO_Ant2_Low_2422




11N40MIMO_Ant1_High_2452




11N40MIMO_Ant2_High_2452



# Appendix G: Conducted Spurious Emission

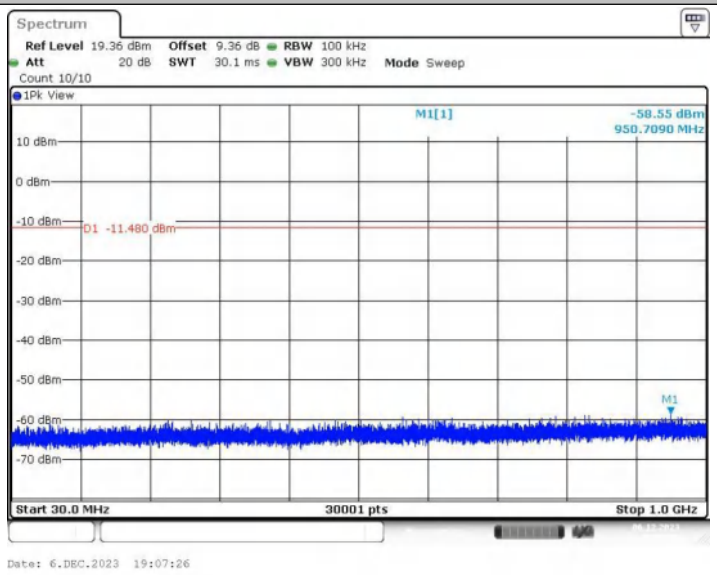
## Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | 30~1000 | 8.52 | -58.55 | ≤-11.48 | PASS |
| | | | 1000~26500 | 8.52 | -46.67 | ≤-11.48 | PASS |
| | Ant2 | 2412 | 30~1000 | 9.66 | -59.25 | ≤-10.34 | PASS |
| | | | 1000~26500 | 9.66 | -42.5 | ≤-10.34 | PASS |
| | Ant1 | 2437 | 30~1000 | 9.73 | -58.71 | ≤-10.27 | PASS |
| | | | 1000~26500 | 9.73 | -47.09 | ≤-10.27 | PASS |
| | Ant2 | 2437 | 30~1000 | 10.34 | -58.99 | ≤-9.66 | PASS |
| | | | 1000~26500 | 10.34 | -46.44 | ≤-9.66 | PASS |
| | Ant1 | 2462 | 30~1000 | 9.82 | -58.76 | ≤-10.18 | PASS |
| | | | 1000~26500 | 9.82 | -47.57 | ≤-10.18 | PASS |
| | Ant2 | 2462 | 30~1000 | 10.63 | -59.3 | ≤-9.37 | PASS |
| | | | 1000~26500 | 10.63 | -47.71 | ≤-9.37 | PASS |
| 11G | Ant1 | 2412 | 30~1000 | 5.43 | -58.54 | ≤-14.57 | PASS |
| | | | 1000~26500 | 5.43 | -47.07 | ≤-14.57 | PASS |
| | Ant2 | 2412 | 30~1000 | 4.01 | -57.84 | ≤-15.99 | PASS |
| | | | 1000~26500 | 4.01 | -46.95 | ≤-15.99 | PASS |
| | Ant1 | 2437 | 30~1000 | 5.86 | -57.89 | ≤-14.14 | PASS |
| | | | 1000~26500 | 5.86 | -46.69 | ≤-14.14 | PASS |
| | Ant2 | 2437 | 30~1000 | 5.04 | -59.25 | ≤-14.96 | PASS |
| | | | 1000~26500 | 5.04 | -47.9 | ≤-14.96 | PASS |
| | Ant1 | 2462 | 30~1000 | 6.00 | -58.35 | ≤-14 | PASS |
| | | | 1000~26500 | 6.00 | -46.01 | ≤-14 | PASS |
| | Ant2 | 2462 | 30~1000 | 5.00 | -59.25 | ≤-15 | PASS |
| | | | 1000~26500 | 5.00 | -47.61 | ≤-15 | PASS |
| 11N20MIMO | Ant1 | 2412 | 30~1000 | 2.25 | -58.72 | ≤-17.75 | PASS |
| | | | 1000~26500 | 2.25 | -47.26 | ≤-17.75 | PASS |
| | Ant2 | 2412 | 30~1000 | 3.28 | -59.11 | ≤-16.72 | PASS |
| | | | 1000~26500 | 3.28 | -47.57 | ≤-16.72 | PASS |
| | Ant1 | 2437 | 30~1000 | 3.28 | -58.12 | ≤-16.72 | PASS |
| | | | 1000~26500 | 3.28 | -47.38 | ≤-16.72 | PASS |
| | Ant2 | 2437 | 30~1000 | 2.98 | -57.32 | ≤-17.02 | PASS |
| | | | 1000~26500 | 2.98 | -47.81 | ≤-17.02 | PASS |
| | Ant1 | 2462 | 30~1000 | 3.17 | -58.64 | ≤-16.83 | PASS |
| | | | 1000~26500 | 3.17 | -47.4 | ≤-16.83 | PASS |

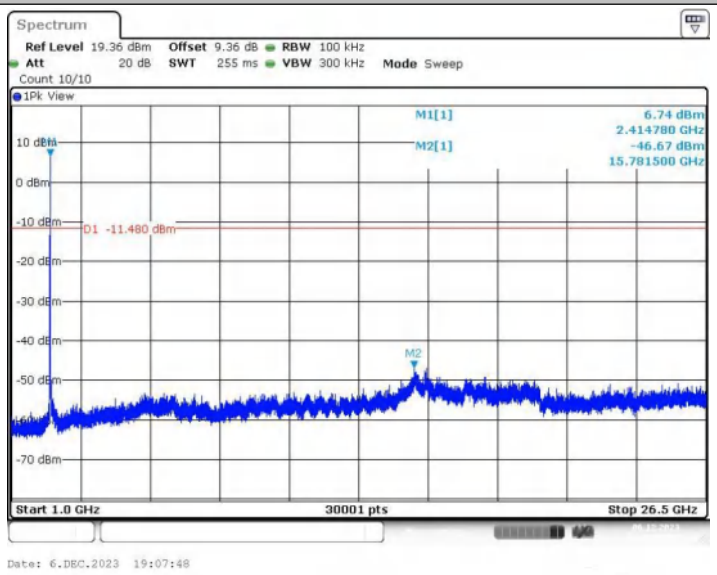
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Ant2 | 2462 | 30~1000 | 3.18 | -59.05 | ≤-16.82 | PASS |
| | | | 1000~26500 | 3.18 | -47.39 | ≤-16.82 | PASS |
| 11N40MIMO | Ant1 | 2422 | 30~1000 | -0.62 | -56.53 | ≤-20.62 | PASS |
| | | | 1000~26500 | -0.62 | -46.88 | ≤-20.62 | PASS |
| | Ant2 | 2422 | 30~1000 | 0.39 | -59 | ≤-19.61 | PASS |
| | | | 1000~26500 | 0.39 | -48.18 | ≤-19.61 | PASS |
| | Ant1 | 2437 | 30~1000 | 0.28 | -58.37 | ≤-19.72 | PASS |
| | | | 1000~26500 | 0.28 | -46.74 | ≤-19.72 | PASS |
| | Ant2 | 2437 | 30~1000 | -0.23 | -58.56 | ≤-20.23 | PASS |
| | | | 1000~26500 | -0.23 | -46.7 | ≤-20.23 | PASS |
| | Ant1 | 2452 | 30~1000 | -1.45 | -57.87 | ≤-21.45 | PASS |
| | | | 1000~26500 | -1.45 | -45.62 | ≤-21.45 | PASS |
| | Ant2 | 2452 | 30~1000 | -2.31 | -59.52 | ≤-22.31 | PASS |
| | | | 1000~26500 | -2.31 | -47.95 | ≤-22.31 | PASS |

## Test Graphs

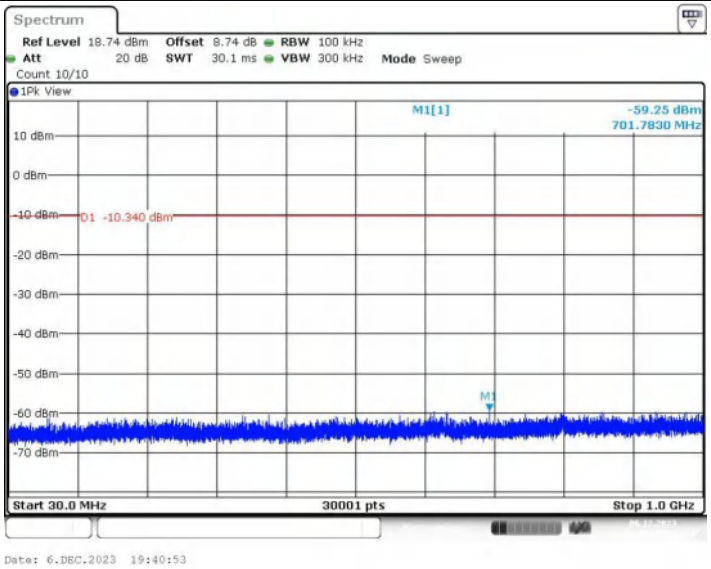
11B_Ant1_2412_30~1000



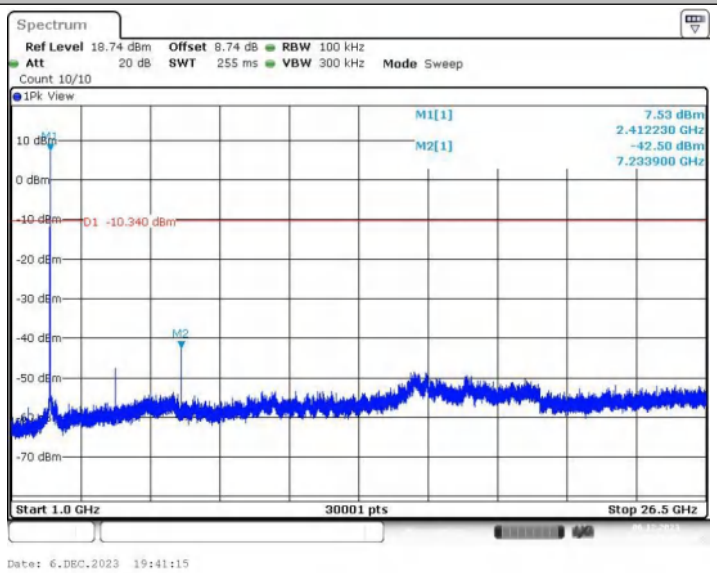

11B_Ant1_2412_1000~26500



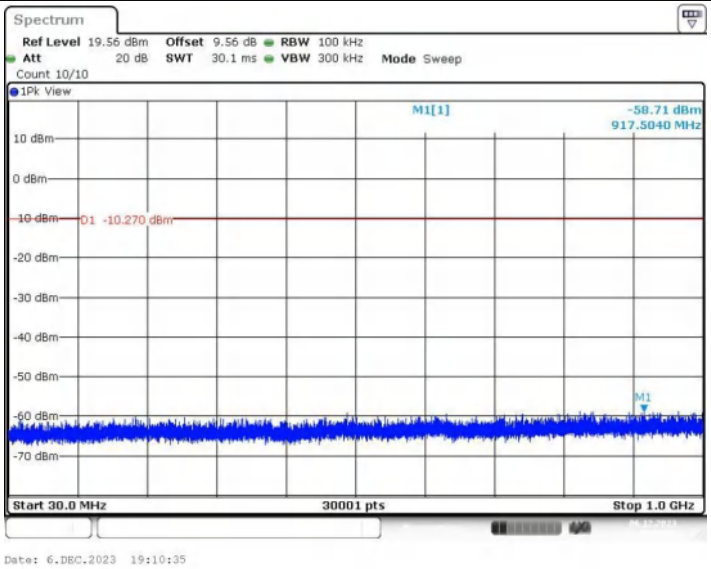

11B_Ant2_2412_30~1000



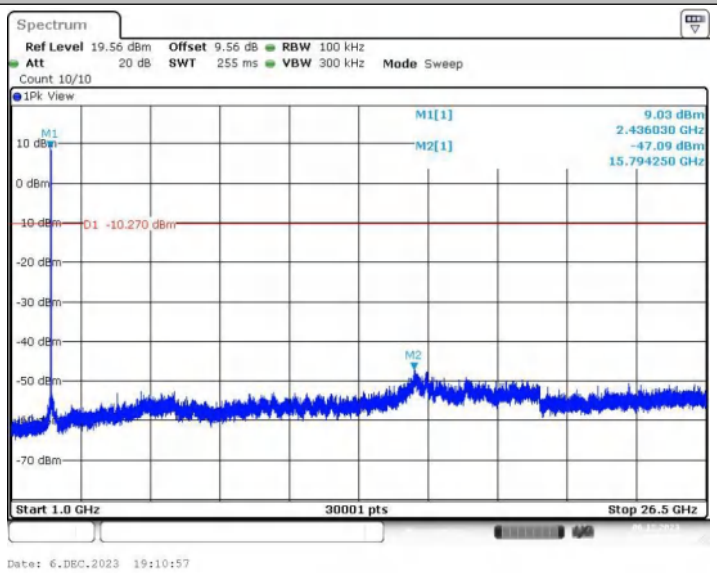

11B_Ant2_2412_1000~26500



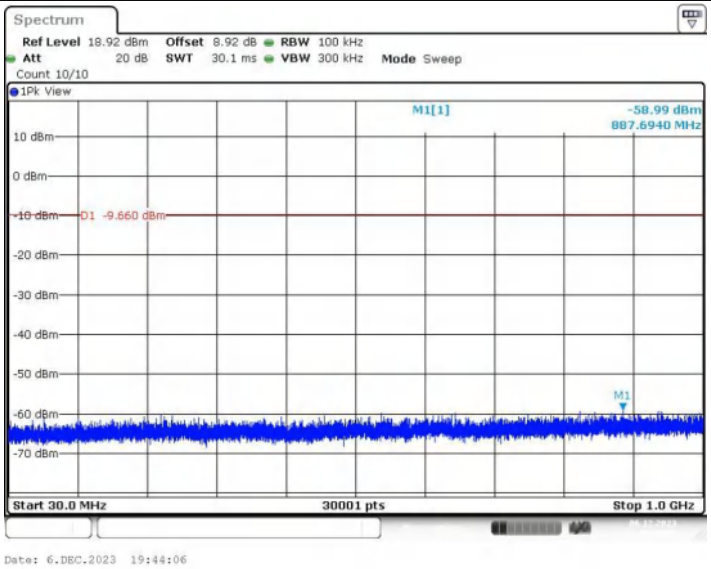

11B_Ant1_2437_30~1000



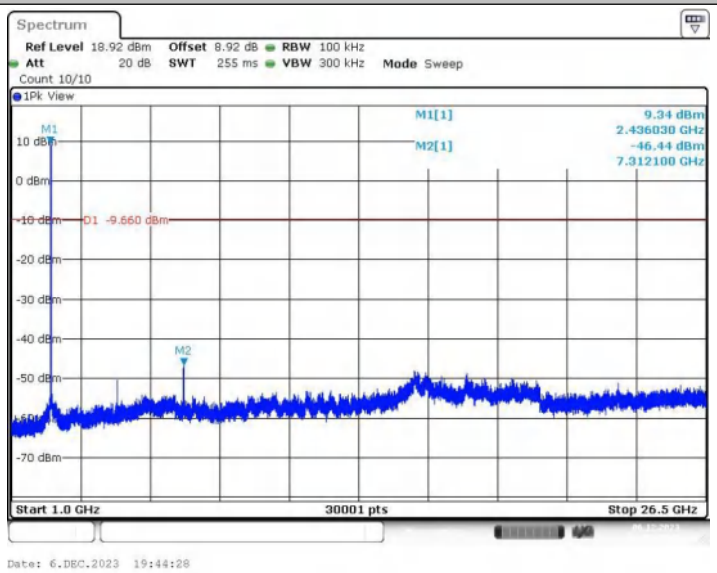

11B_Ant1_2437_1000~26500



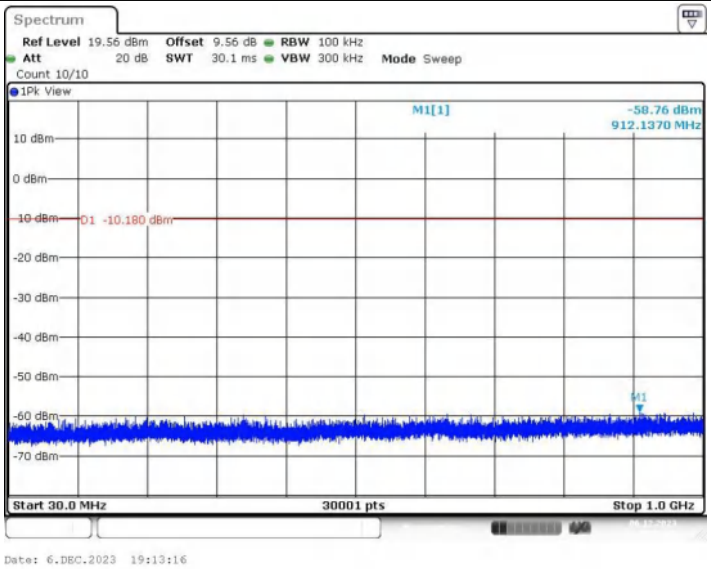

11B_Ant2_2437_30~1000



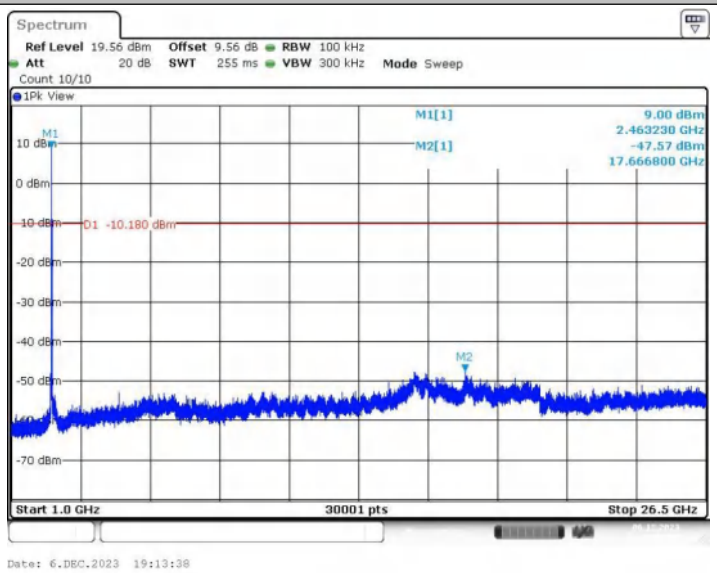

11B_Ant2_2437_1000~26500



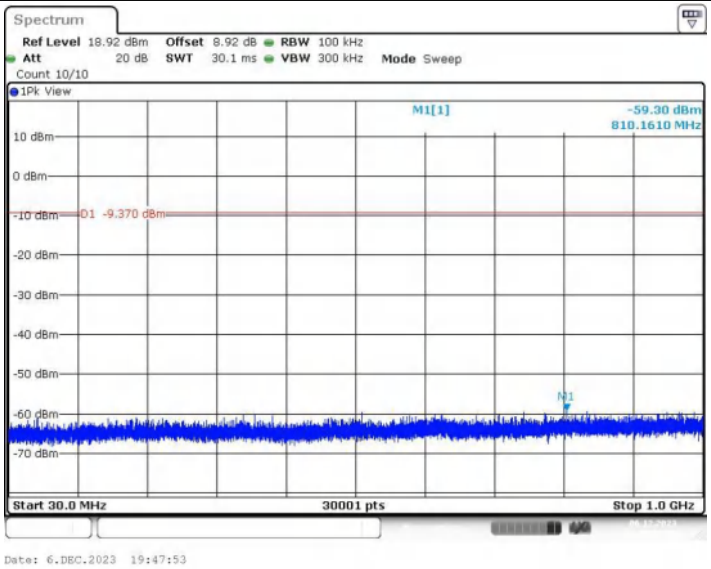

11B_Ant1_2462_30~1000



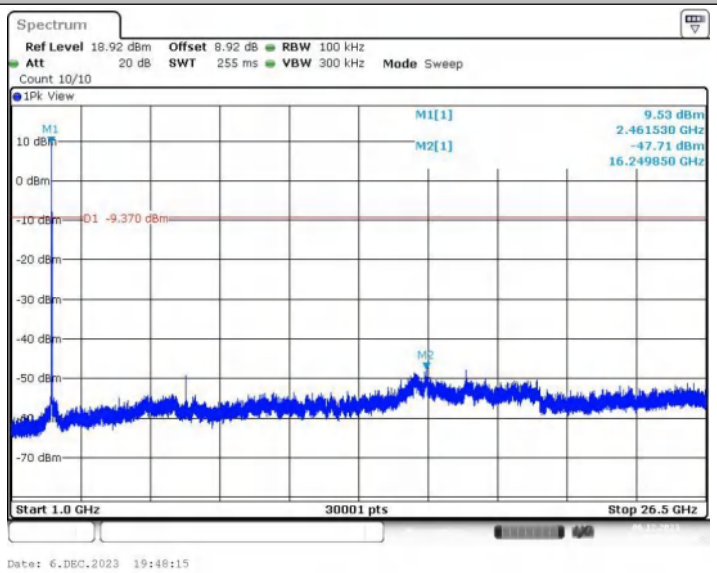

11B_Ant1_2462_1000~26500



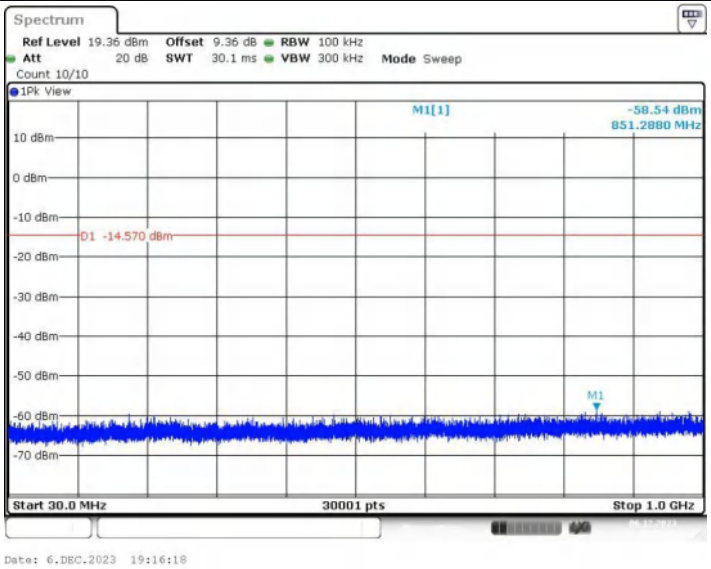

11B_Ant2_2462_30~1000



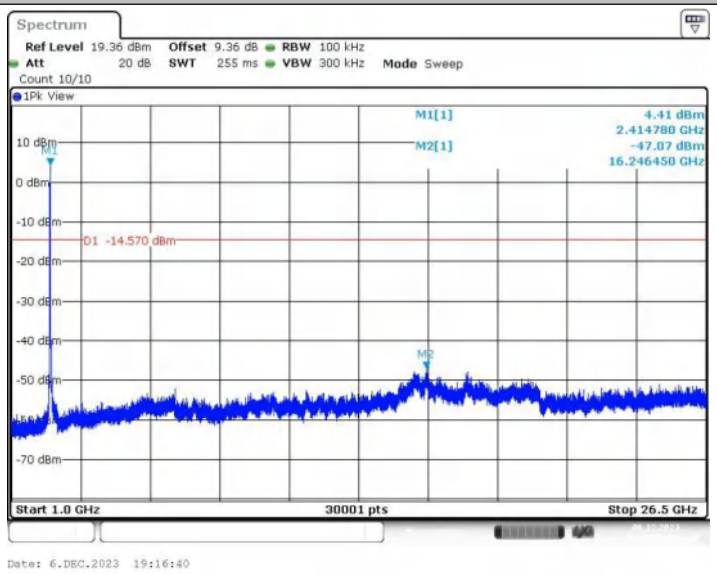

11B_Ant2_2462_1000~26500



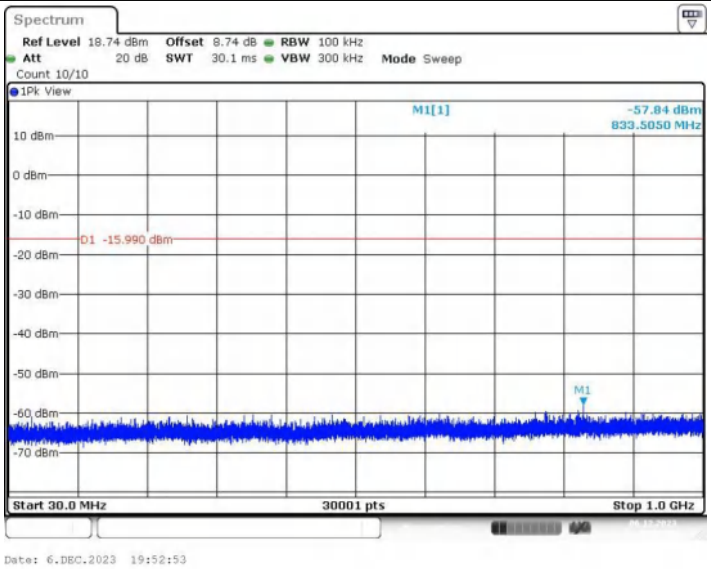

11G_Ant1_2412_30~1000



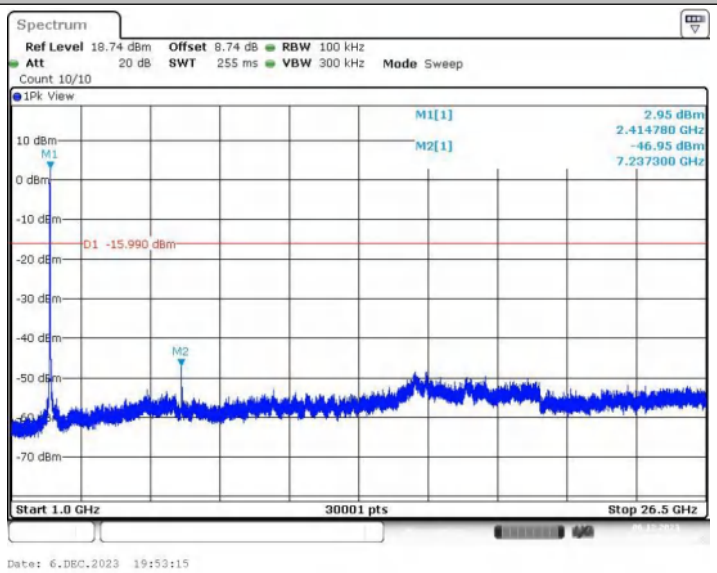

11G_Ant1_2412_1000~26500



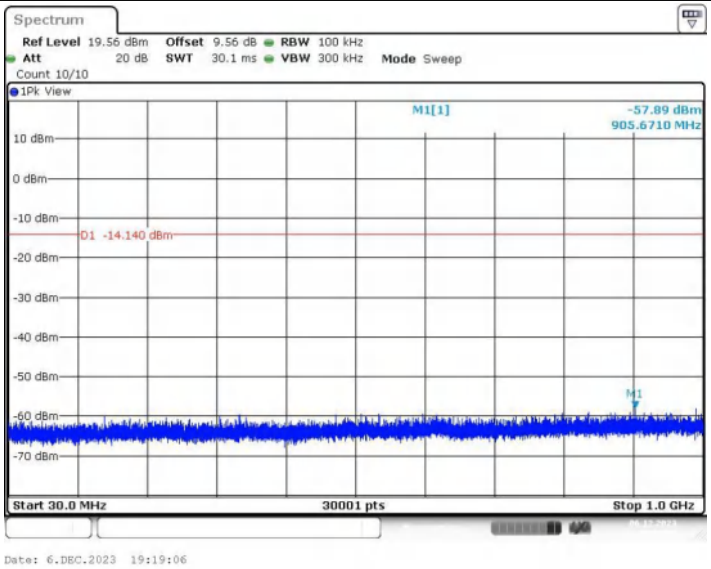

11G_Ant2_2412_30~1000



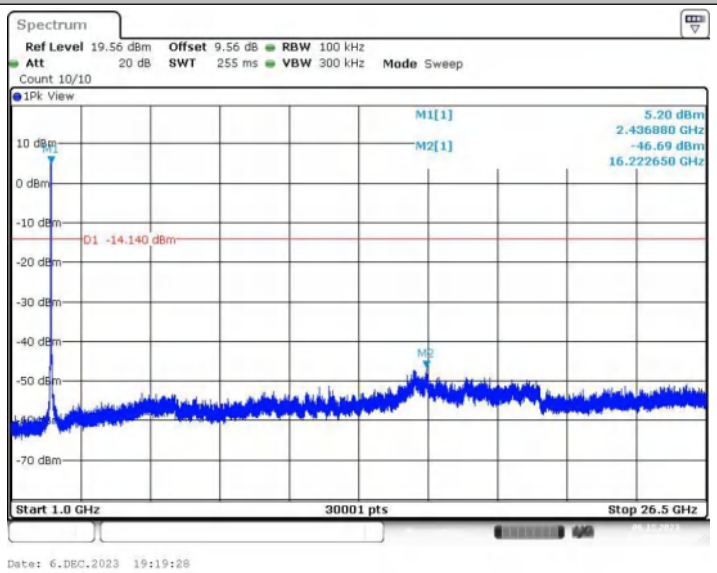

11G_Ant2_2412_1000~26500



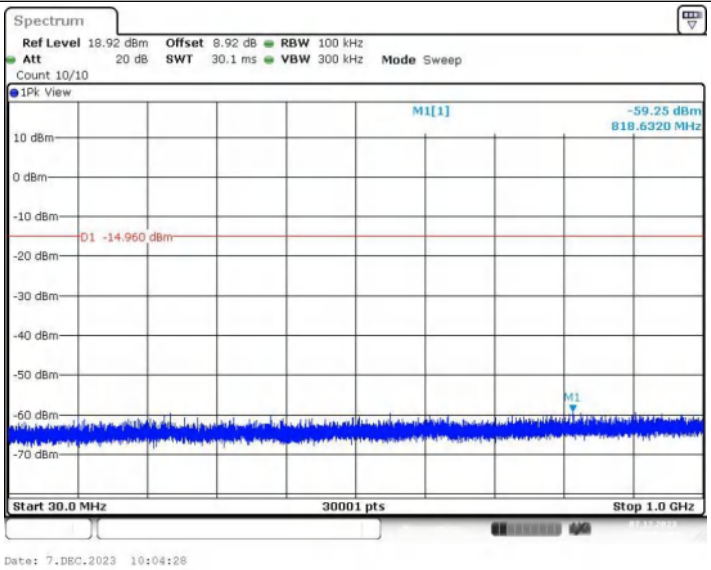

11G_Ant1_2437_30~1000



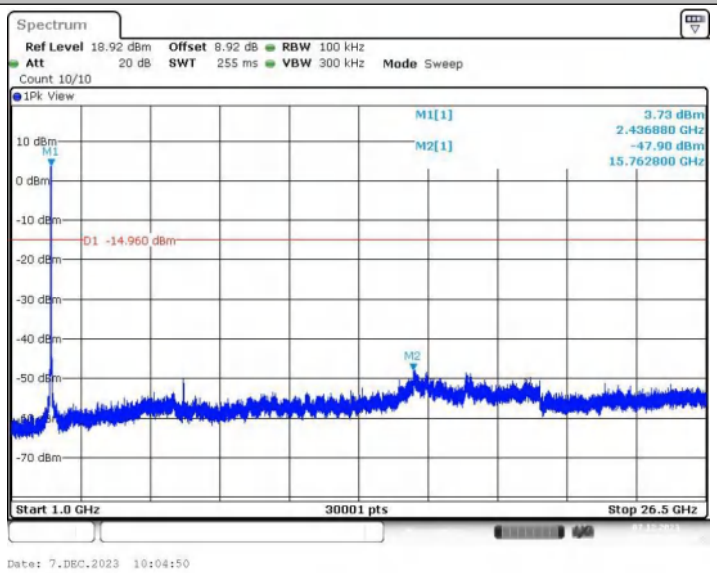

11G_Ant1_2437_1000~26500



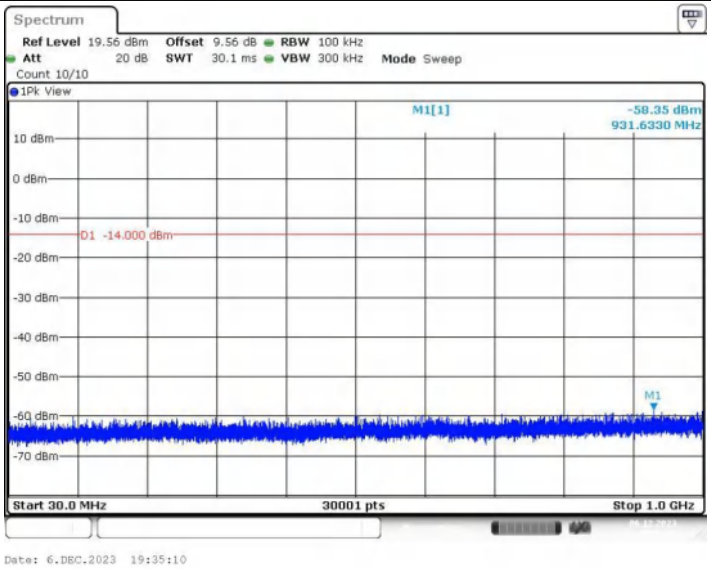

11G_Ant2_2437_30~1000



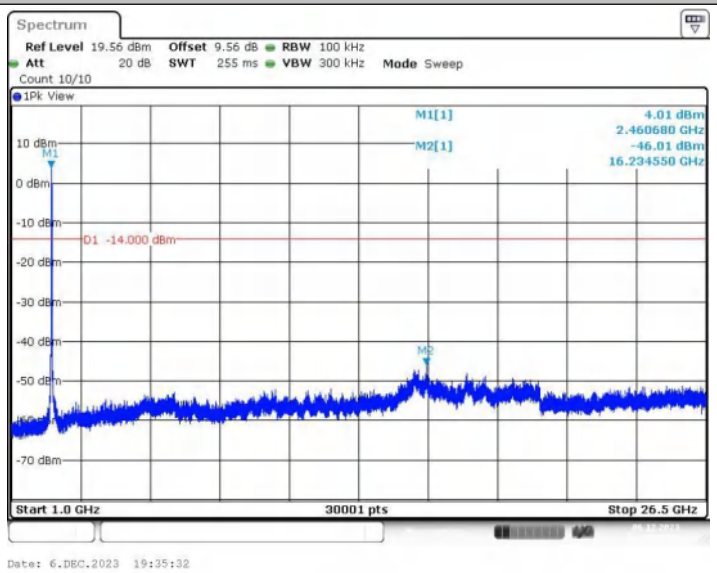

11G_Ant2_2437_1000~26500



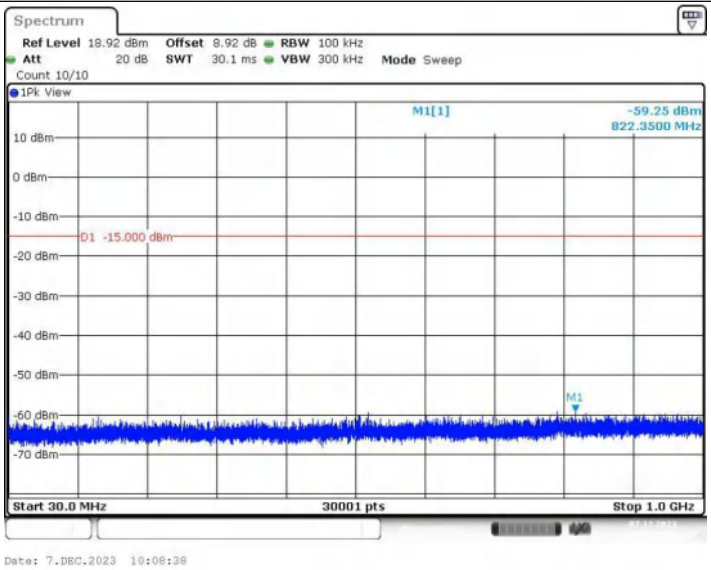

11G_Ant1_2462_30~1000



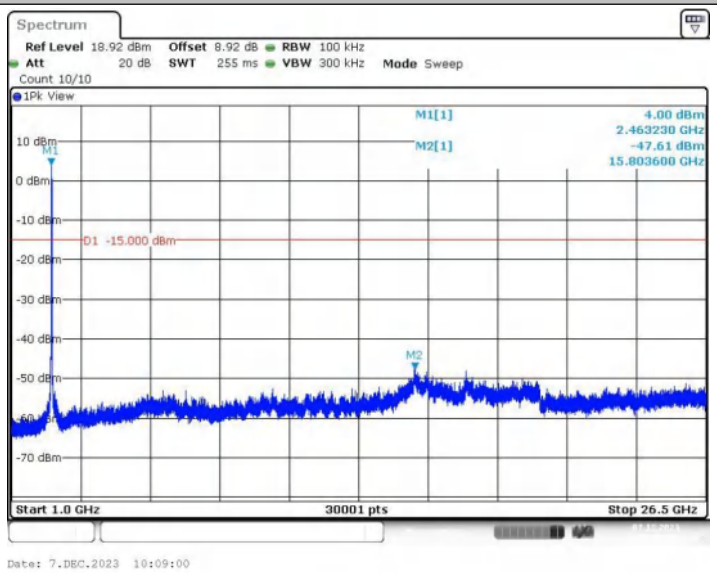

11G_Ant1_2462_1000~26500



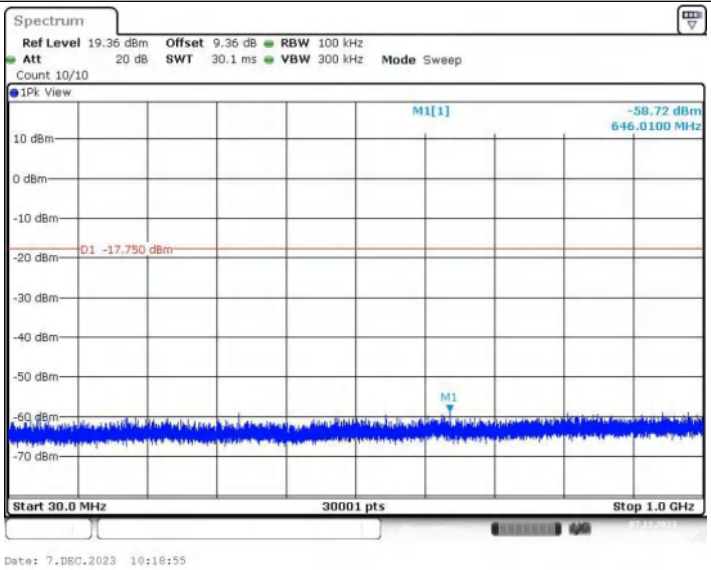

11G_Ant2_2462_30~1000



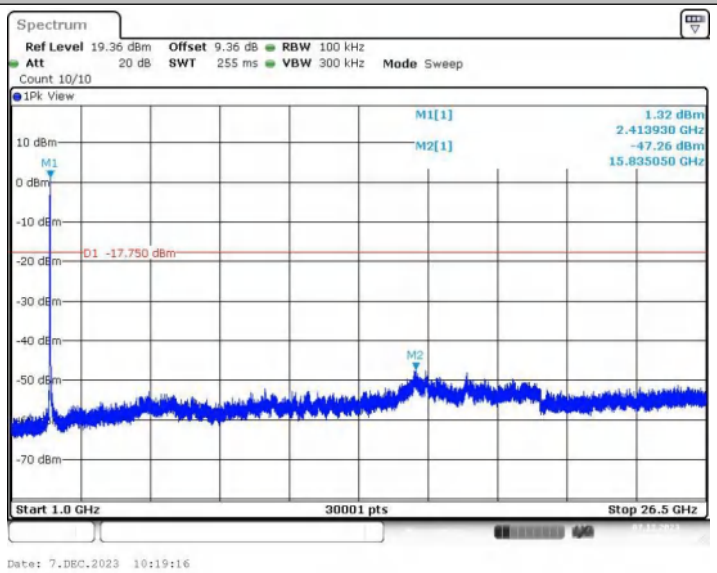

11G_Ant2_2462_1000~26500



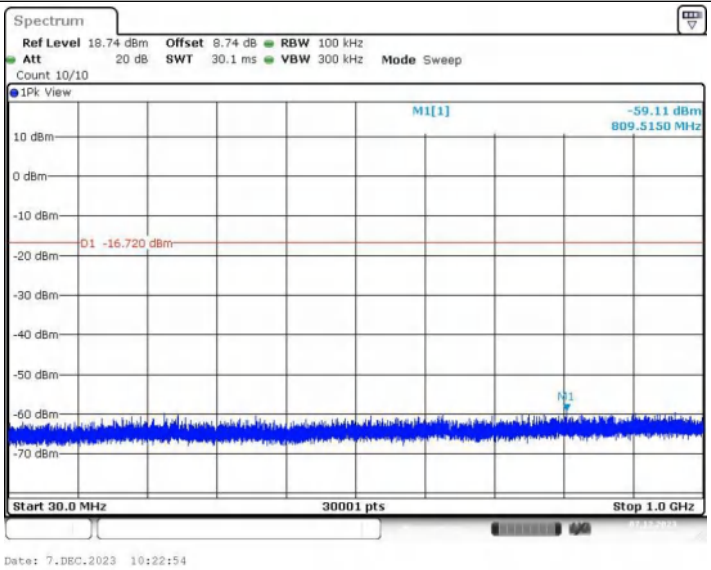

11N20MIMO_Ant1_2412_30~1000



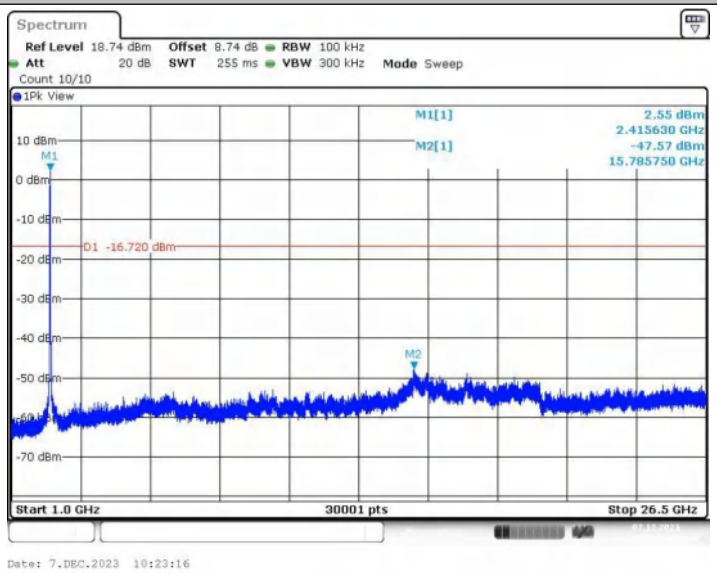

11N20MIMO_Ant1_2412_1000~26500



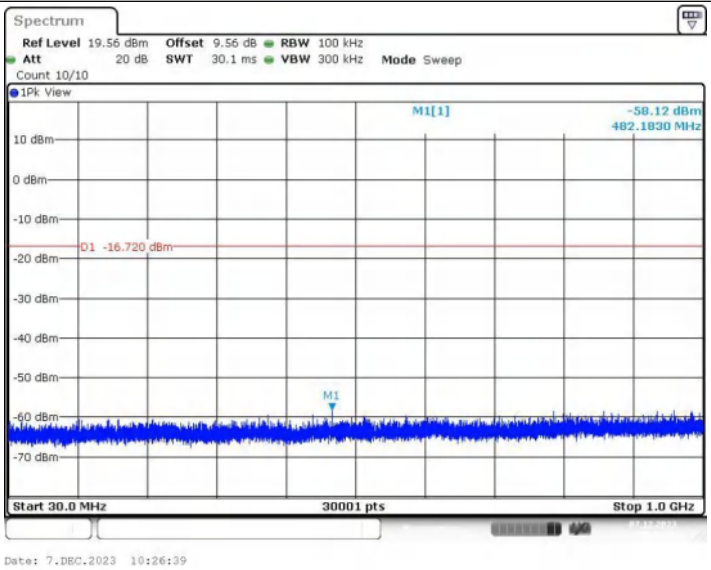

11N20MIMO_Ant2_2412_30~1000



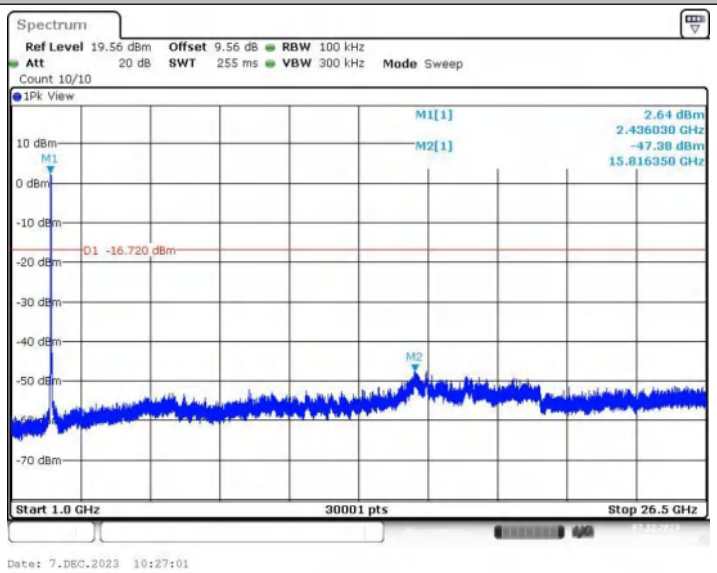

11N20MIMO_Ant2_2412_1000~26500



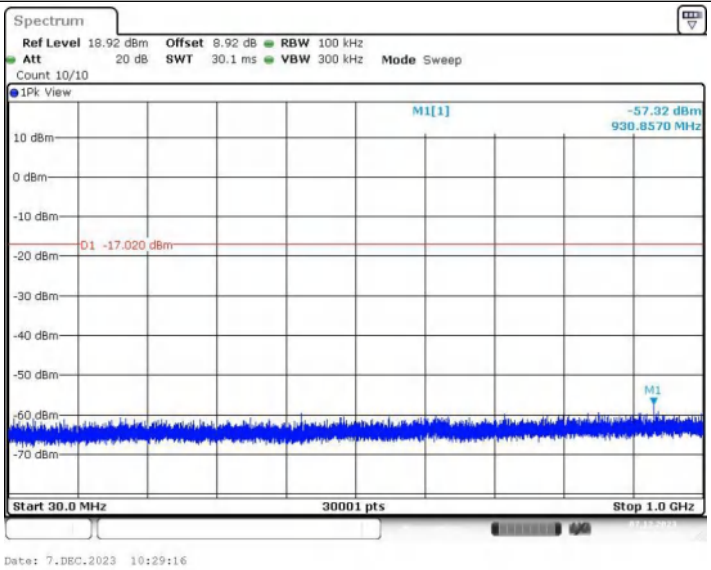

11N20MIMO_Ant1_2437_30~1000



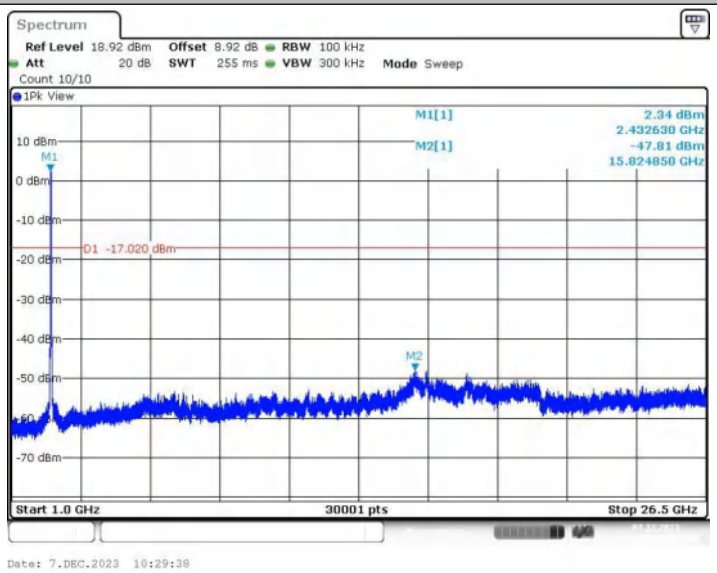

11N20MIMO_Ant1_2437_1000~26500



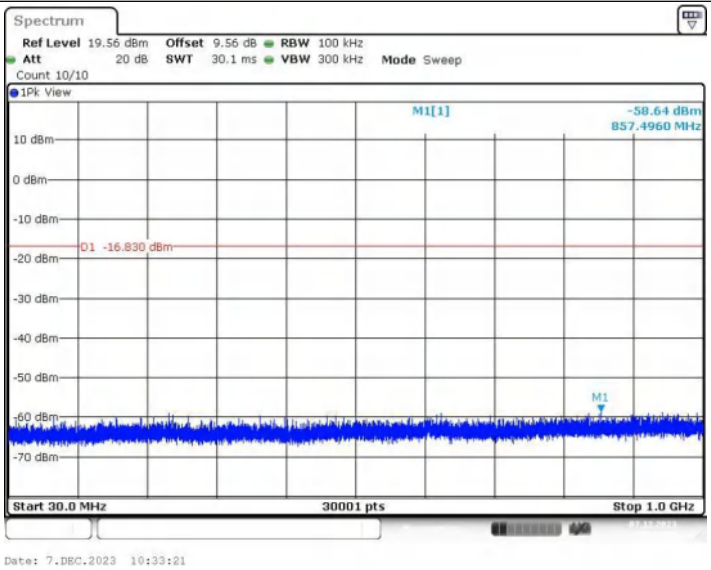

11N20MIMO_Ant2_2437_30~1000



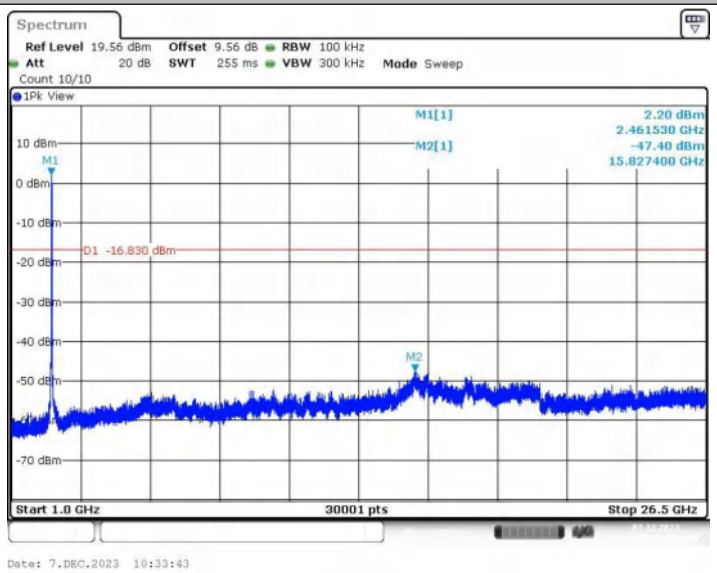

11N20MIMO_Ant2_2437_1000~26500



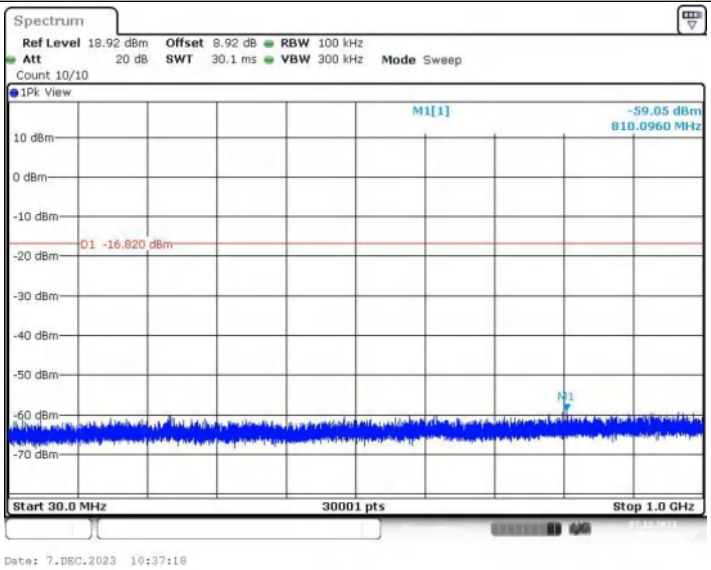

11N20MIMO_Ant1_2462_30~1000



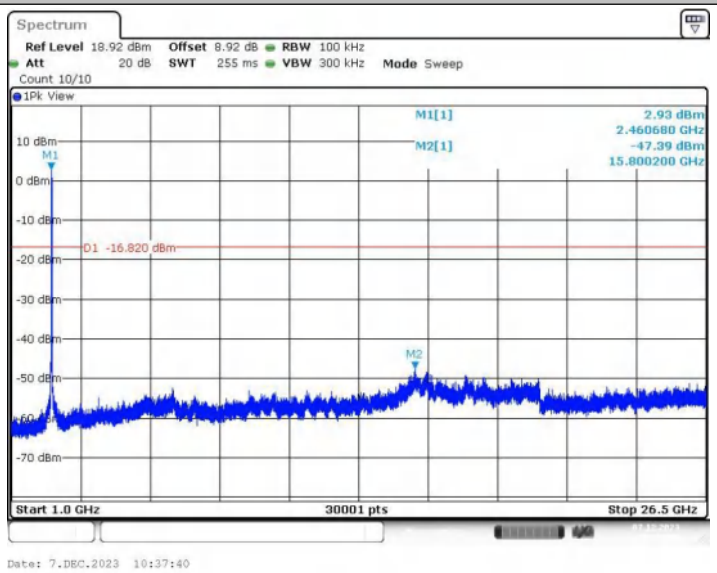

11N20MIMO_Ant1_2462_1000~26500



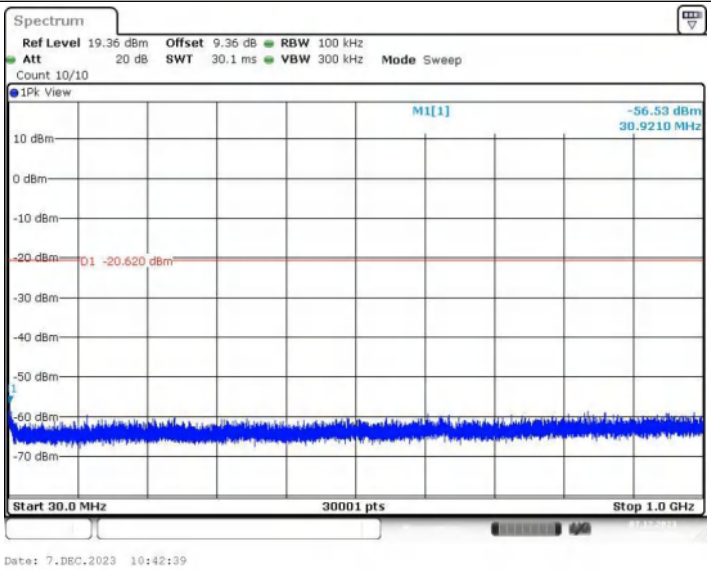

11N20MIMO_Ant2_2462_30~1000



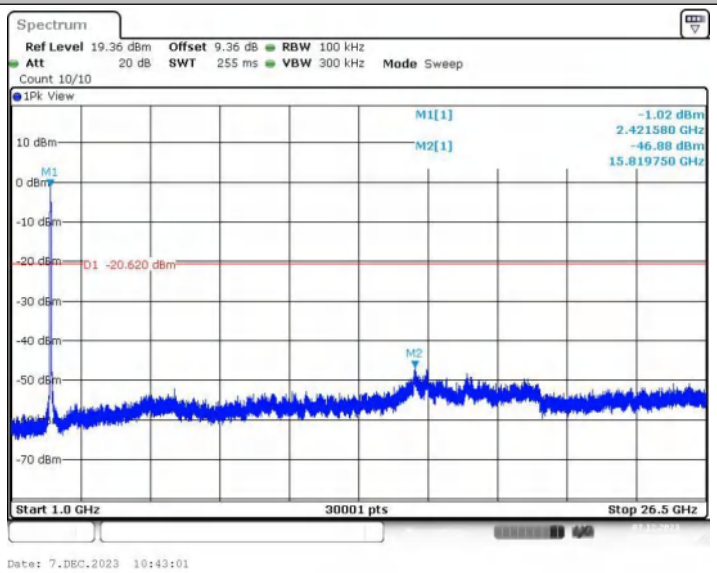

11N20MIMO_Ant2_2462_1000~26500



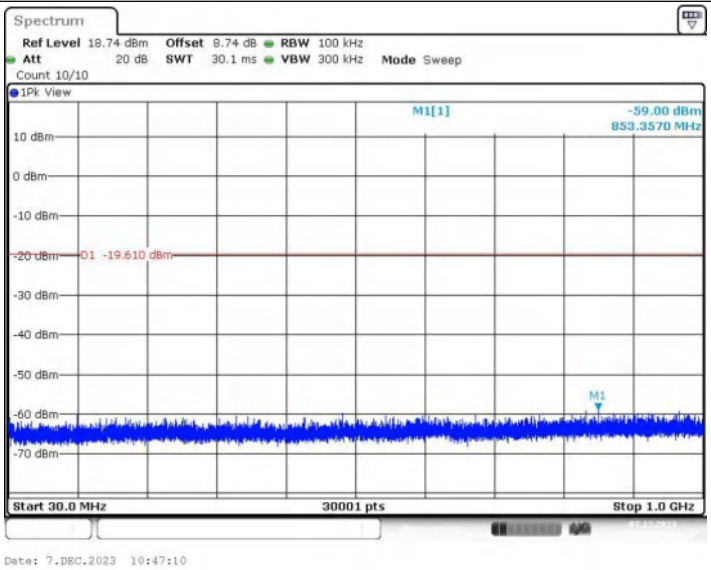

11N40MIMO_Ant1_2422_30~1000



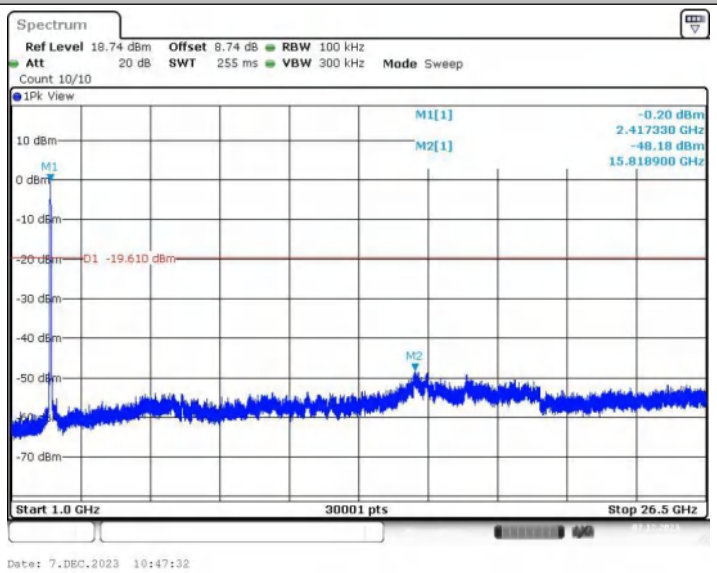

11N40MIMO_Ant1_2422_1000~26500



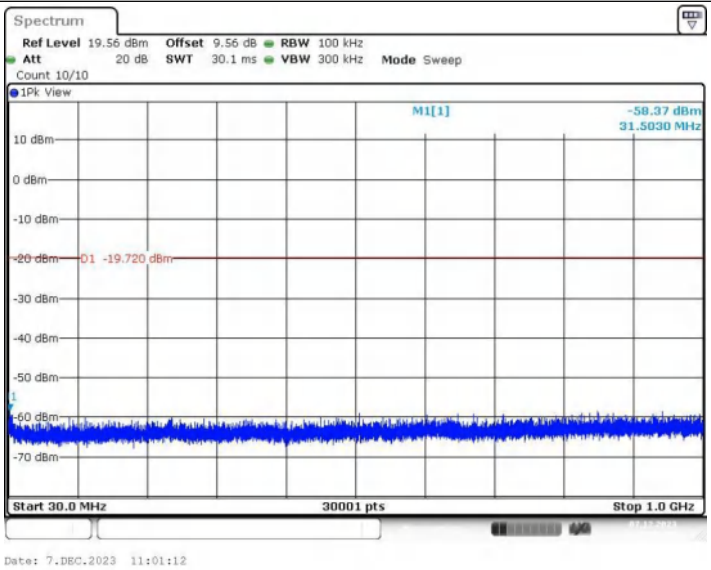

11N40MIMO_Ant2_2422_30~1000



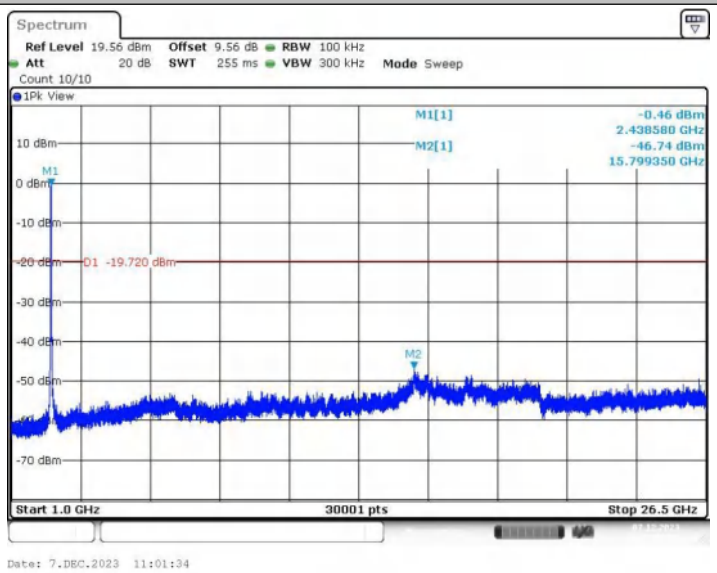

11N40MIMO_Ant2_2422_1000~26500



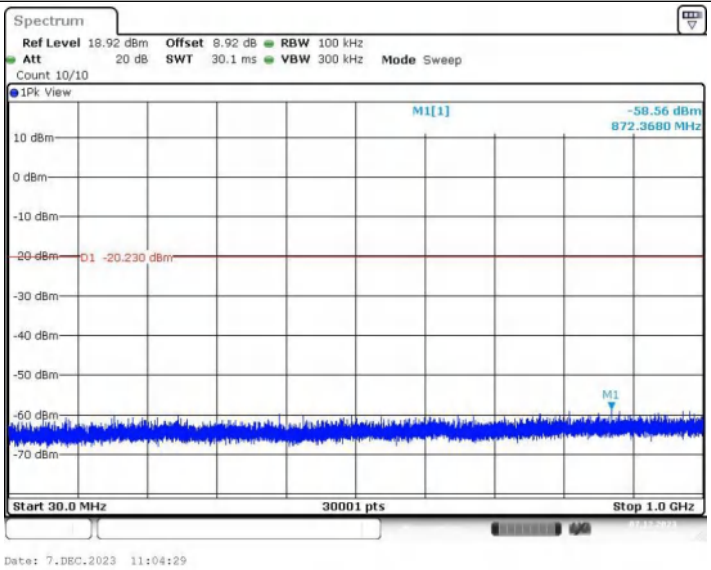

11N40MIMO_Ant1_2437_30~1000



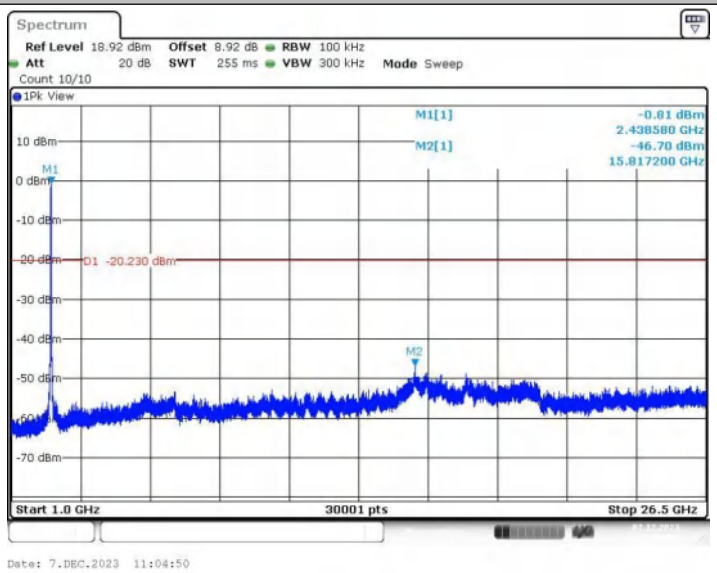

11N40MIMO_Ant1_2437_1000~26500



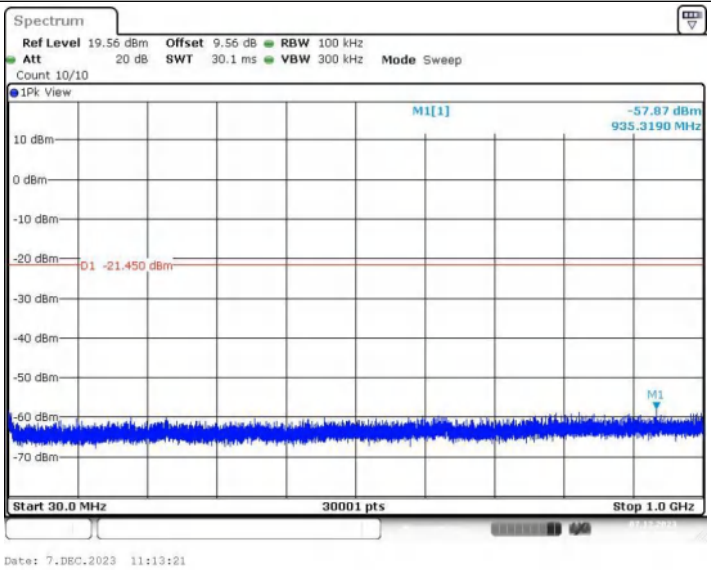

11N40MIMO_Ant2_2437_30~1000



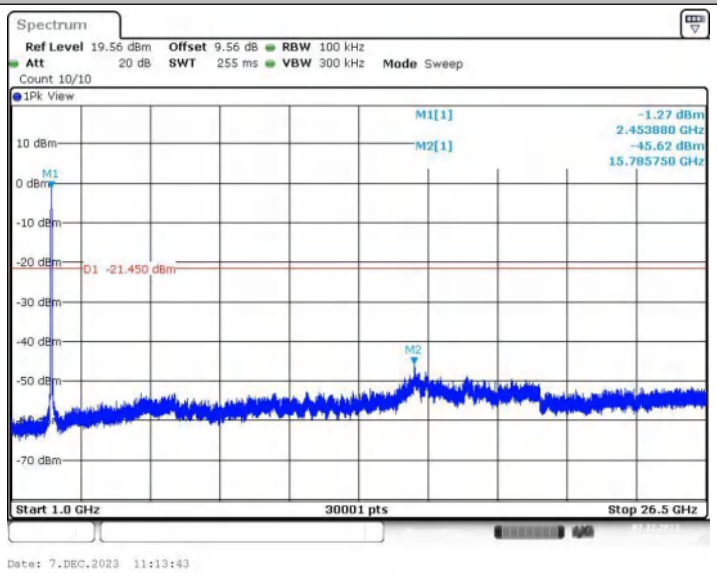

11N40MIMO_Ant2_2437_1000~26500



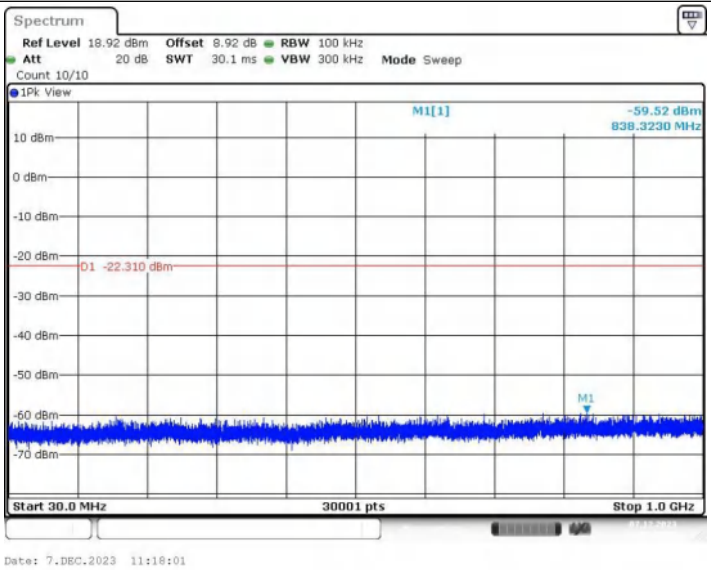

11N40MIMO_Ant1_2452_30~1000



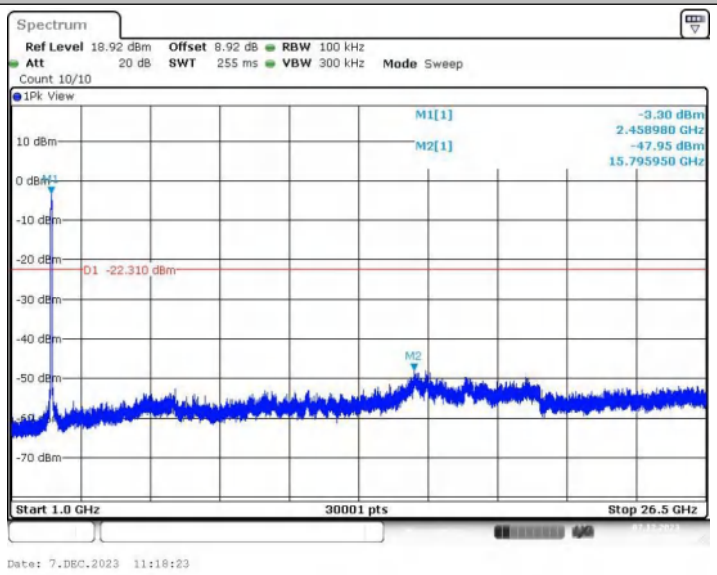

11N40MIMO_Ant1_2452_1000~26500




11N40MIMO_Ant2_2452_30~1000




11N40MIMO_Ant2_2452_1000~26500



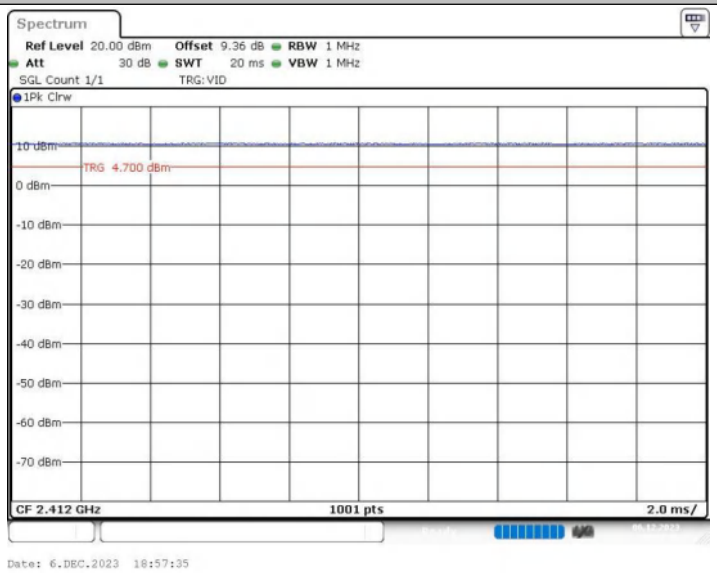
# Appendix H: Duty Cycle

## Test Result

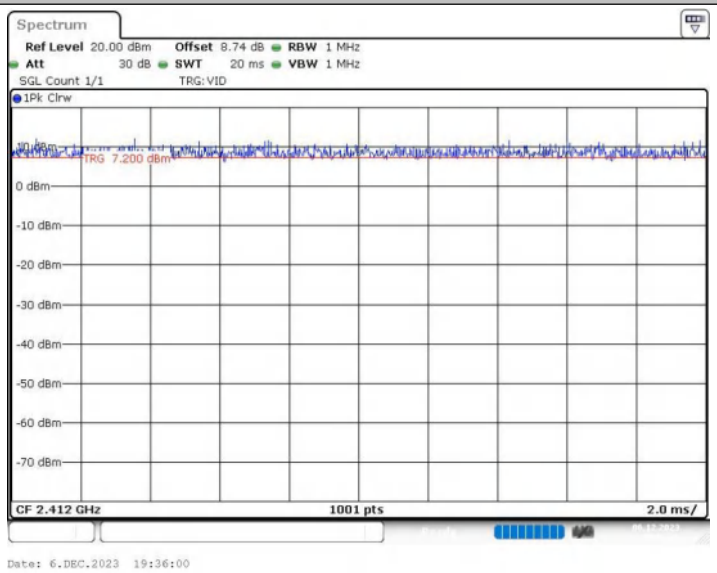
| TestMode | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2412 | 20.00 | 20.00 | 100.00 |
| | Ant1 | 2437 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2437 | 20.00 | 20.00 | 100.00 |
| | Ant1 | 2462 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2462 | 20.00 | 20.00 | 100.00 |
| 11G | Ant1 | 2412 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2412 | 20.00 | 20.00 | 100.00 |
| | Ant1 | 2437 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2437 | 20.00 | 20.00 | 100.00 |
| | Ant1 | 2462 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2462 | 20.00 | 20.00 | 100.00 |
| 11N20MIMO | Ant1 | 2412 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2412 | 20.00 | 20.00 | 100.00 |
| | Ant1 | 2437 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2437 | 20.00 | 20.00 | 100.00 |
| | Ant1 | 2462 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2462 | 20.00 | 20.00 | 100.00 |
| 11N40MIMO | Ant1 | 2422 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2422 | 20.00 | 20.00 | 100.00 |
| | Ant1 | 2437 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2437 | 20.00 | 20.00 | 100.00 |
| | Ant1 | 2452 | 20.00 | 20.00 | 100.00 |
| | Ant2 | 2452 | 20.00 | 20.00 | 100.00 |

## Test Graphs

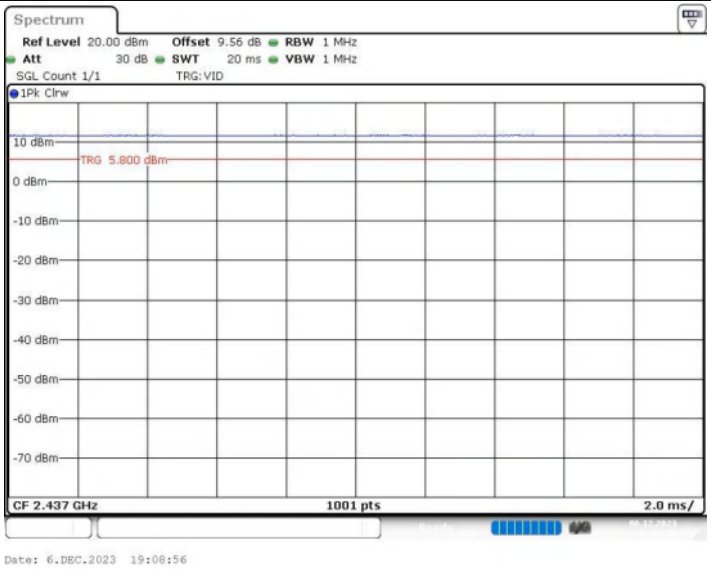
11B_Ant1_2412




11B_Ant2_2412




11B_Ant1_2437

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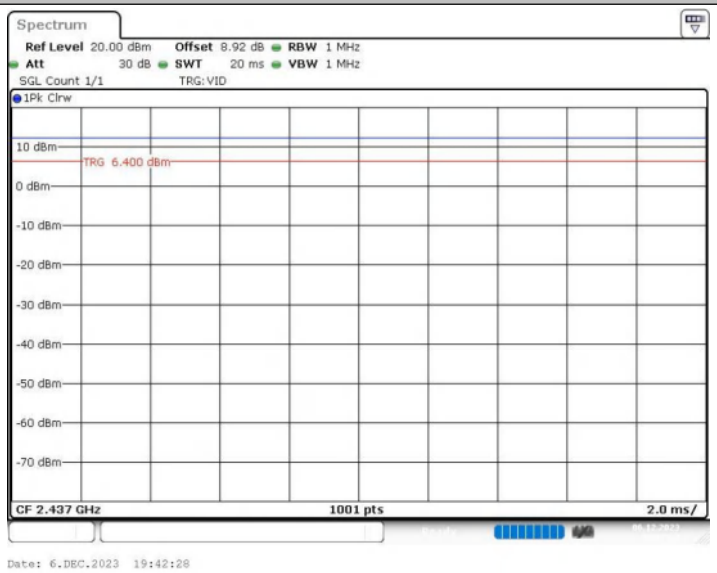


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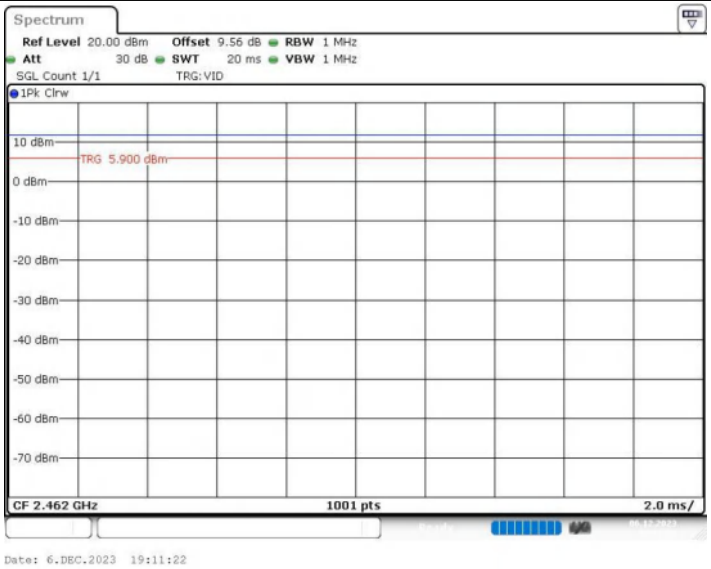


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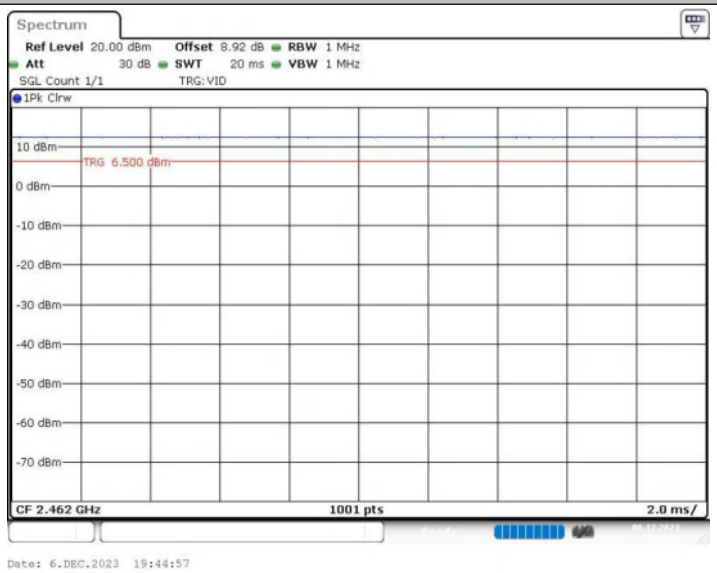


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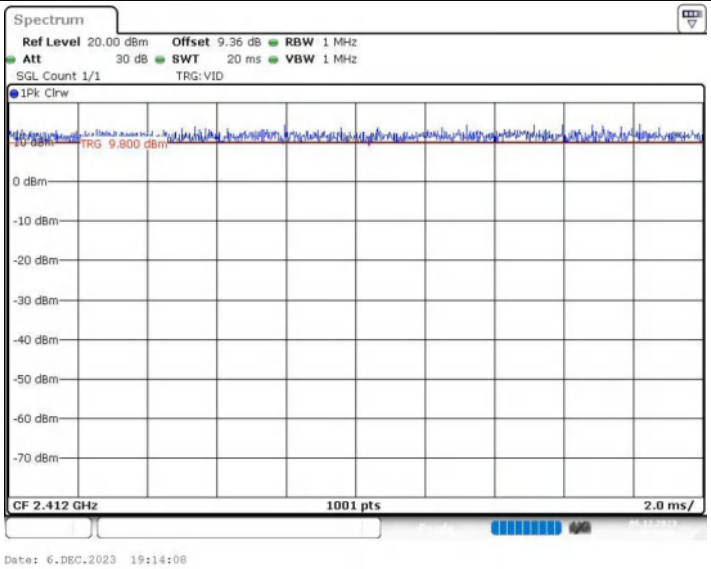


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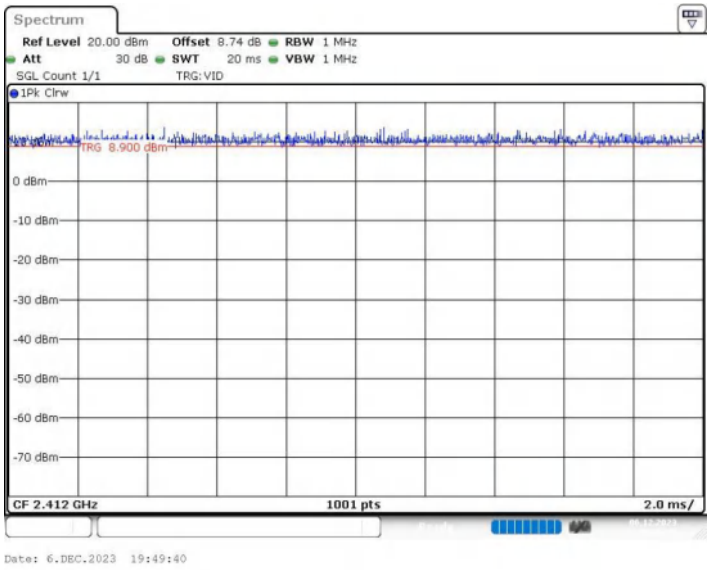


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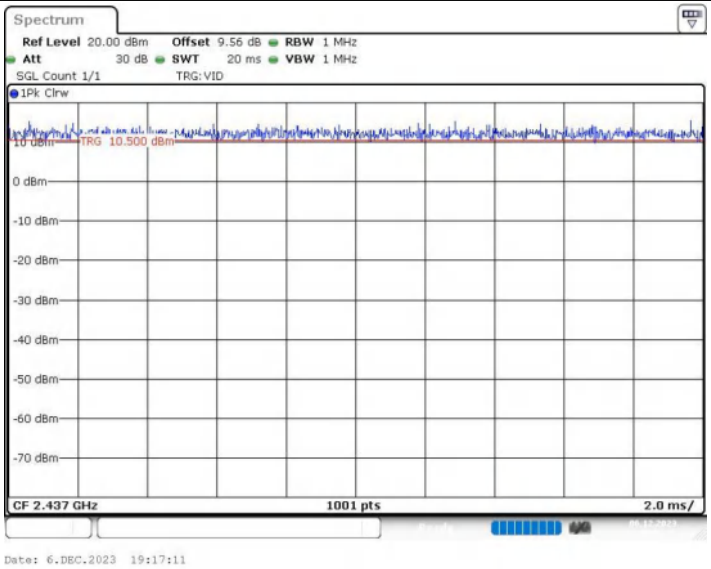


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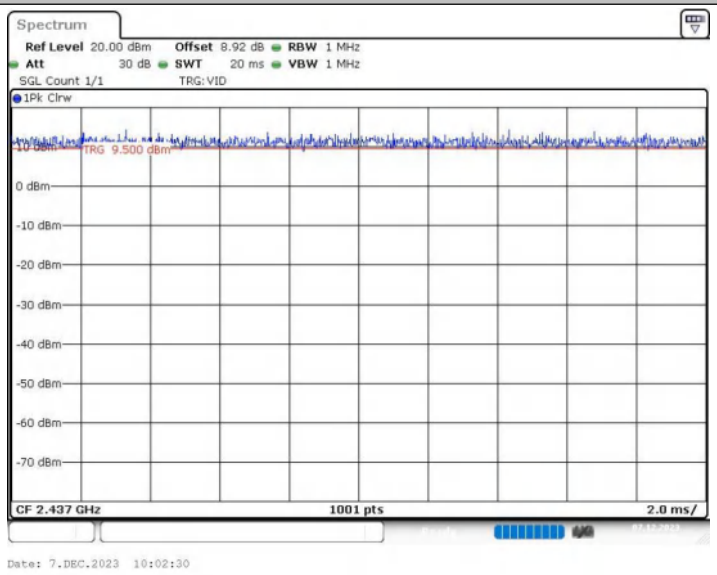


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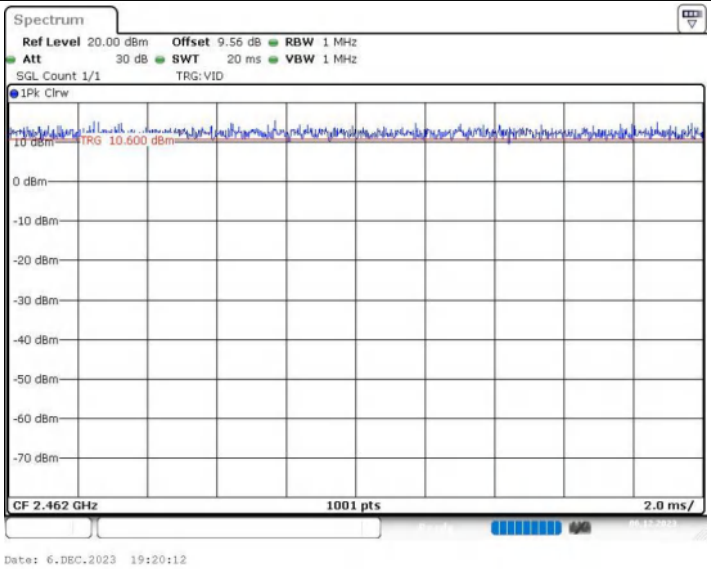


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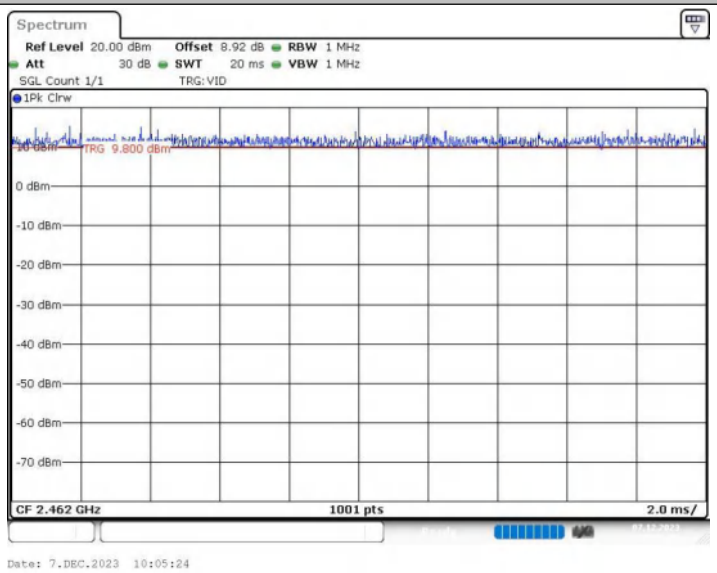
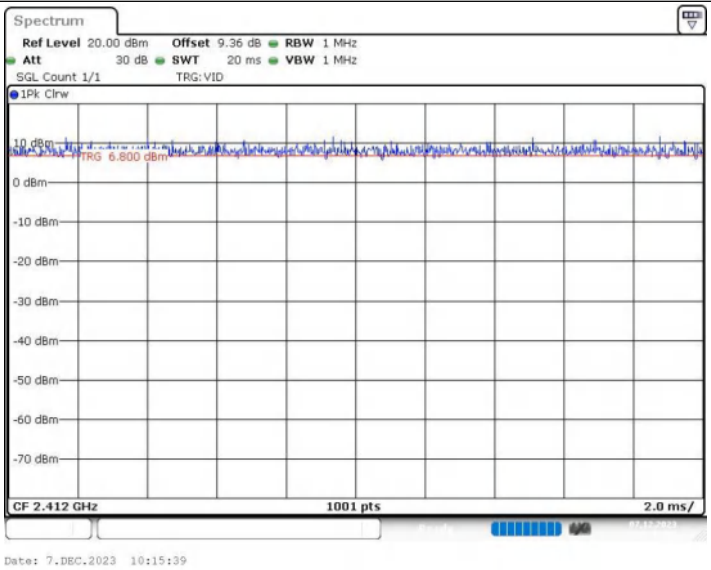



11N20MIMO_Ant1_2412

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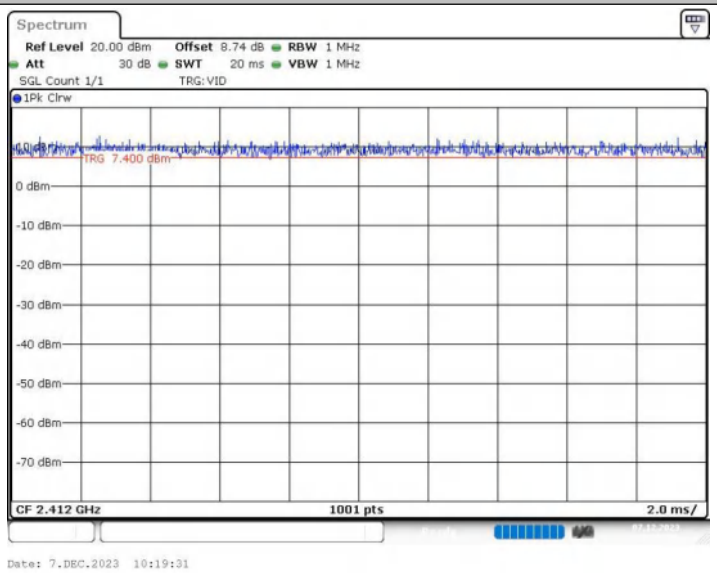


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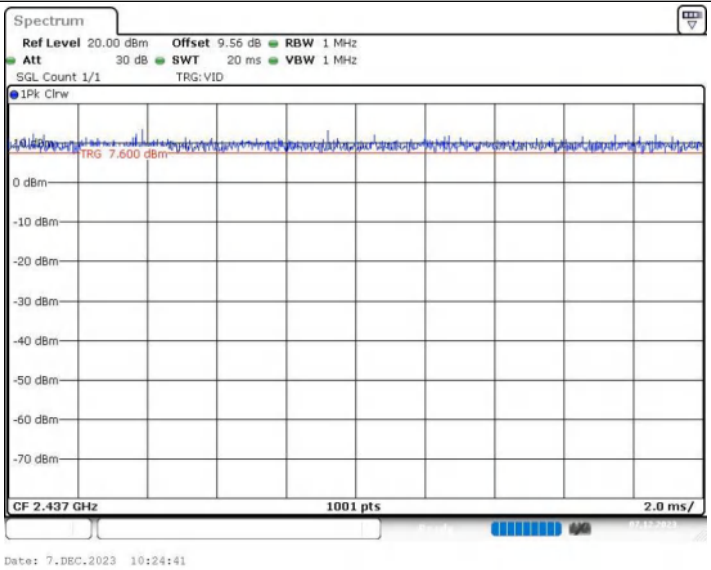


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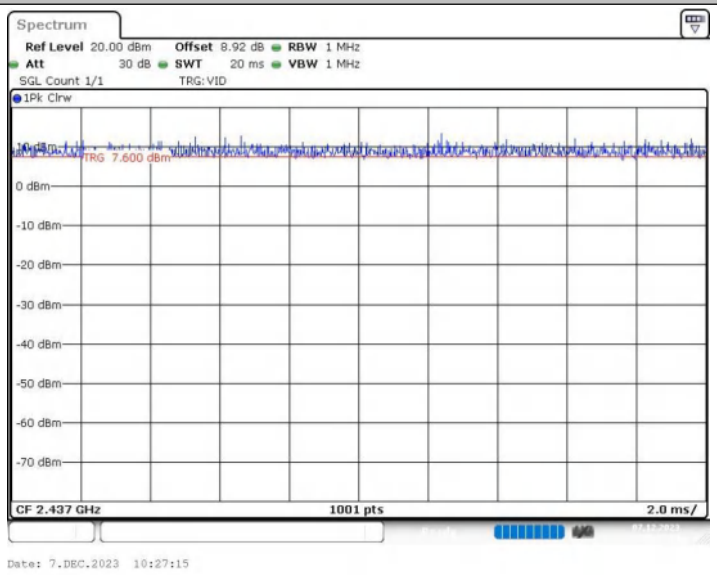


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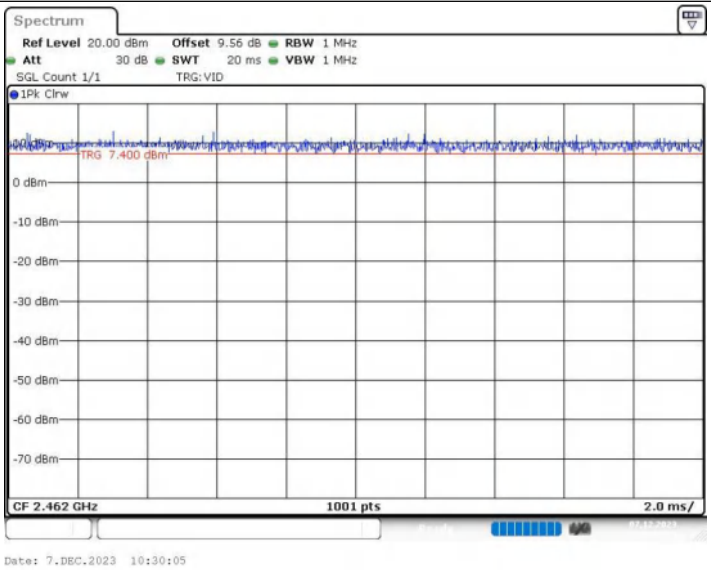


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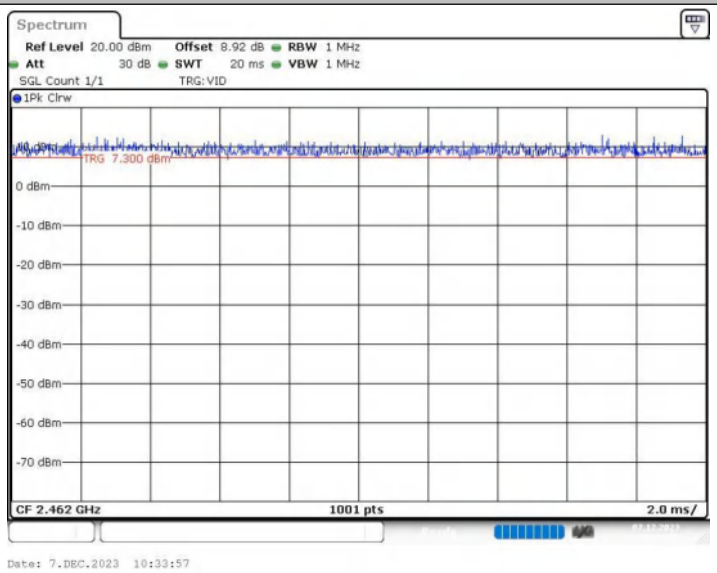


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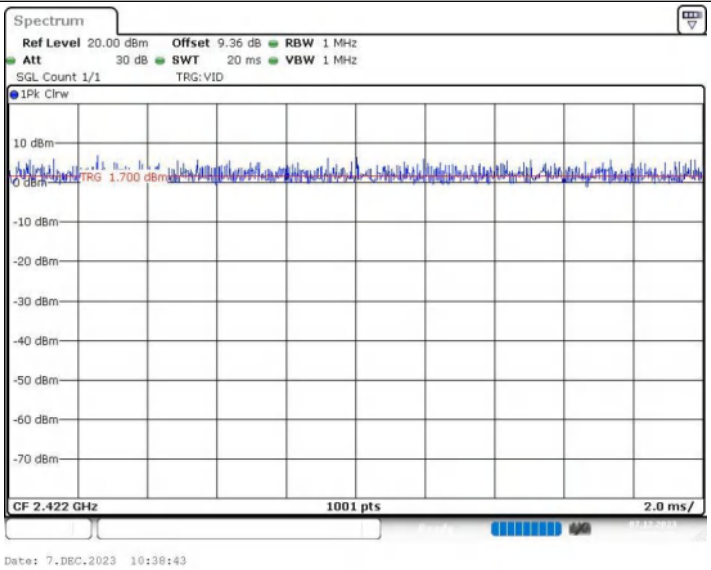


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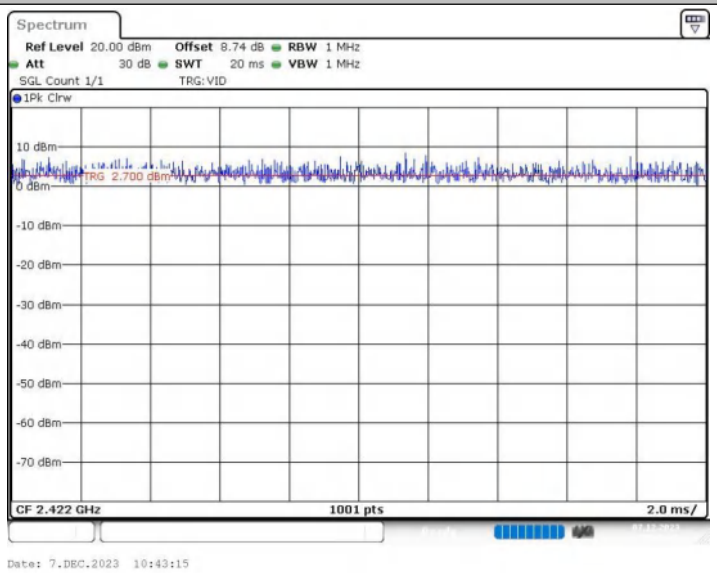


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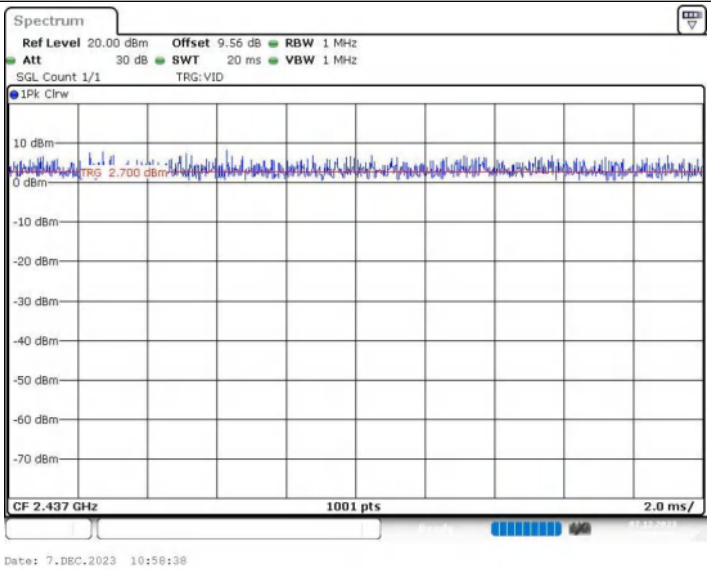


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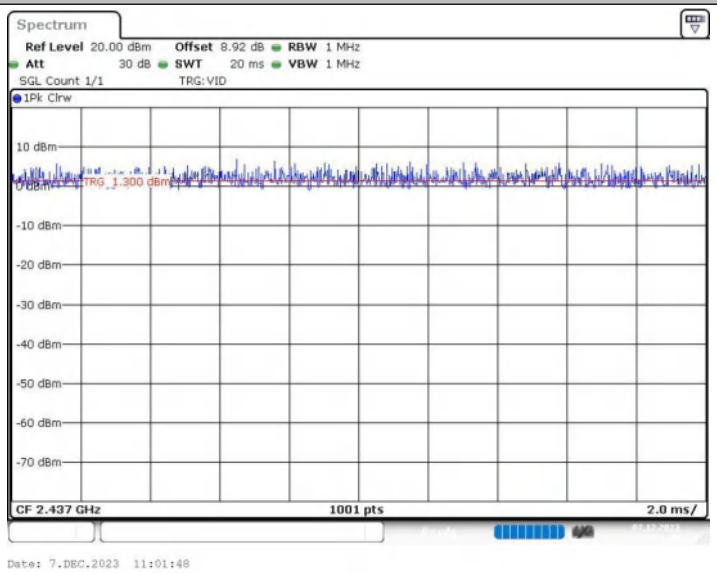


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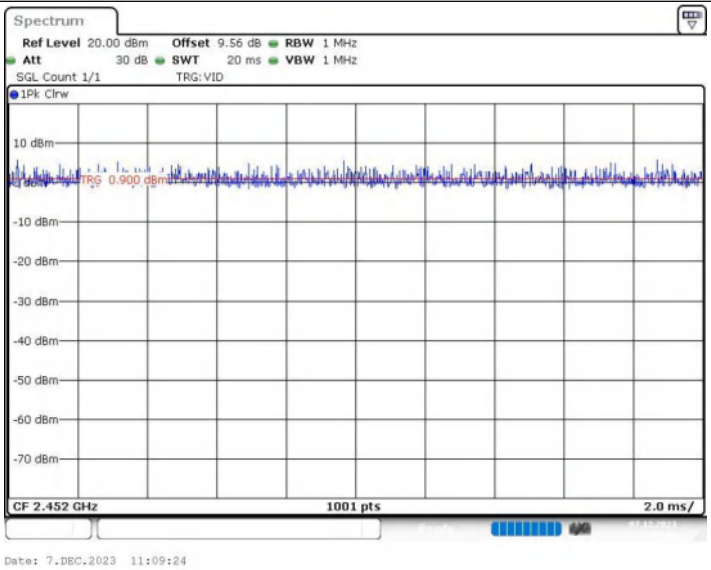

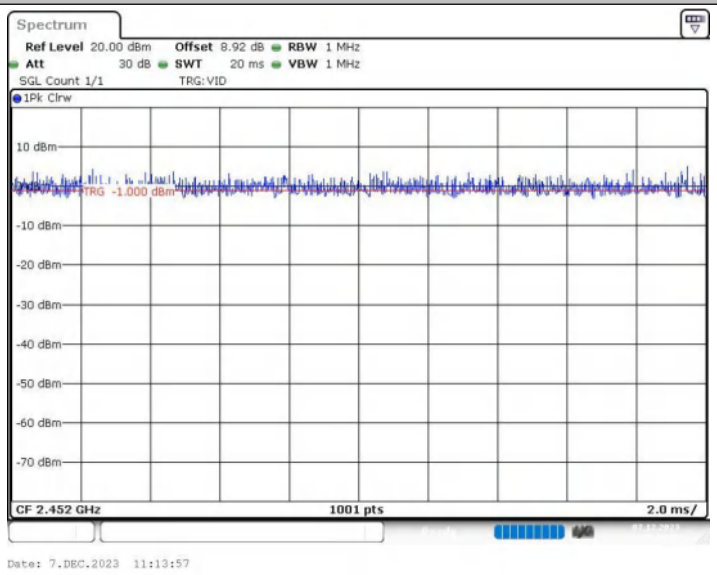
11N40MIMO_Ant2_2452