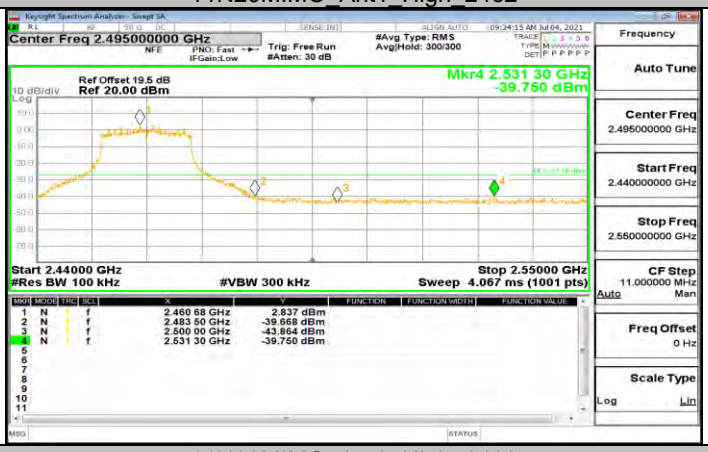
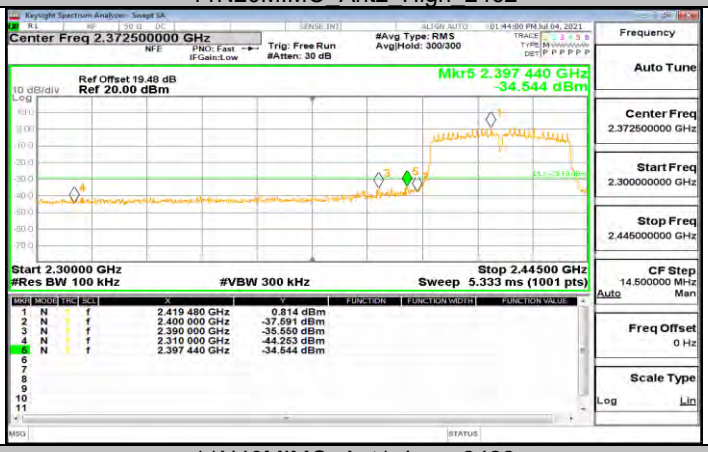
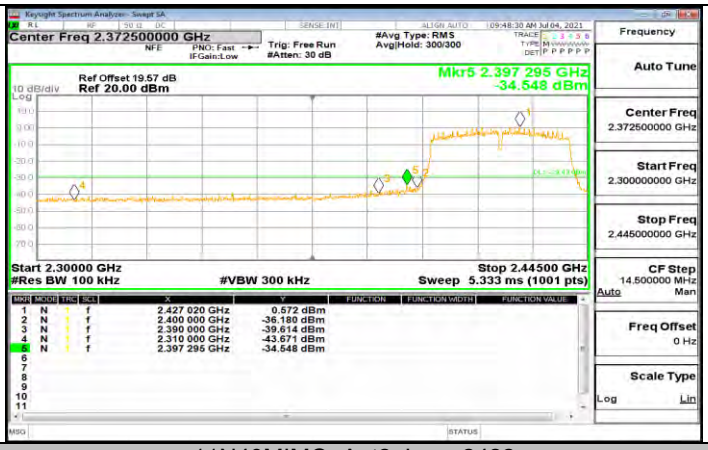

11N20MIMO_Ant1_High_2462




11N20MIMO_Ant2_High_2462



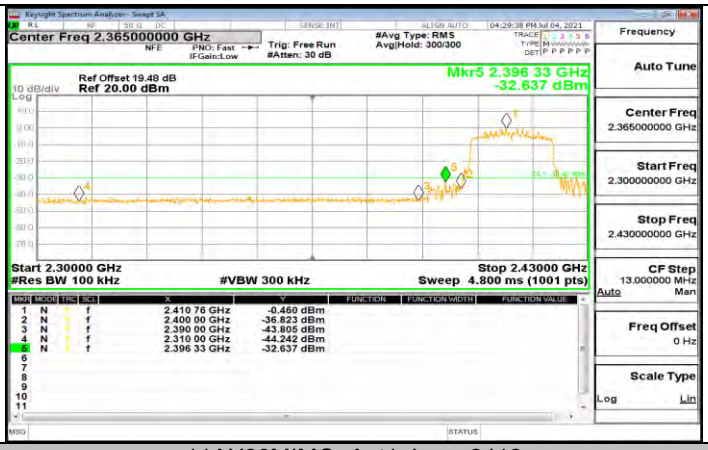

11N40MIMO_Ant1_Low_2422




11N40MIMO_Ant2_Low_2422


11N40MIMO_Ant1_High_2452


11N40MIMO_Ant2_High_2452



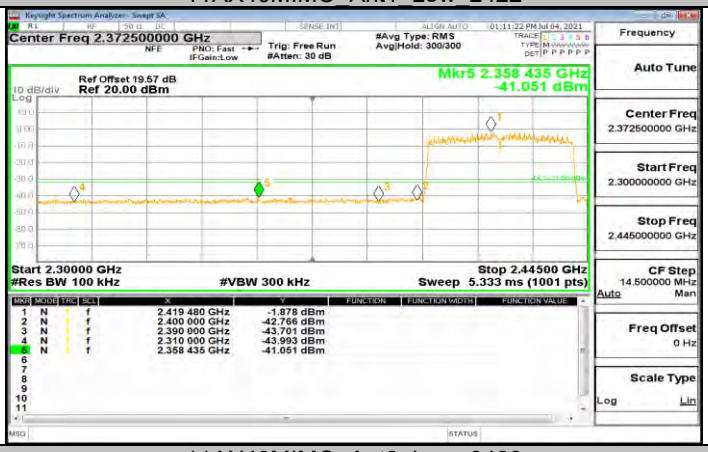

11AX20MIMO_Ant1_Low_2412


11AX20MIMO_Ant2_Low_2412


11AX20MIMO_Ant1_High_2462


11AX20MIMO_Ant2_High_2462


11AX40MIMO_Ant1_Low_2422




11AX40MIMO_Ant2_Low_2422


11AX40MIMO_Ant1_High_2452


11AX40MIMO_Ant2_High_2452

## 11.6. Appendix F: Conducted Spurious Emission

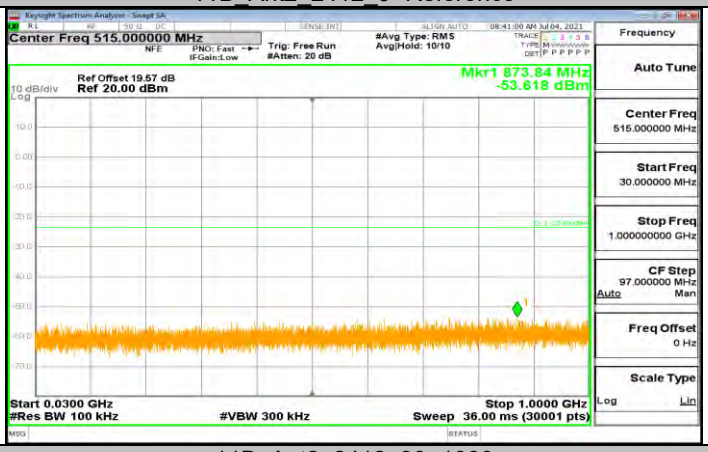
### 11.6.1. Test Result

| Test Mode | Antenna | Channel | FreqRange [Mhz] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | Reference | 6.32 | --- | PASS |
| | | | 30~1000 | -53.62 | <=-23.68 | PASS |
| | | | 1000~26500 | -44.51 | <=-23.68 | PASS |
| | | 2437 | Reference | 6.07 | --- | PASS |
| | | | 30~1000 | -52.82 | <=-23.94 | PASS |
| | | | 1000~26500 | -44.02 | <=-23.94 | PASS |
| | | 2462 | Reference | 5.91 | --- | PASS |
| | | | 30~1000 | -53.04 | <=-24.09 | PASS |
| | | | 1000~26500 | -44 | <=-24.09 | PASS |
| 11G | Ant1 | 2412 | Reference | 2.73 | --- | PASS |
| | | | 30~1000 | -53.66 | <=-27.27 | PASS |
| | | | 1000~26500 | -43.82 | <=-27.27 | PASS |
| | | 2437 | Reference | 4.17 | --- | PASS |
| | | | 30~1000 | -51.17 | <=-25.83 | PASS |
| | | | 1000~26500 | -44.44 | <=-25.83 | PASS |
| | | 2462 | Reference | 1.44 | --- | PASS |
| | | | 30~1000 | -52.89 | <=-28.56 | PASS |
| | | | 1000~26500 | -44.44 | <=-28.56 | PASS |
| 11N20MIMO | Ant0 | 2412 | Reference | 3.33 | --- | PASS |
| | | | 30~1000 | -53.11 | <=-26.67 | PASS |
| | | | 1000~26500 | -44.44 | <=-26.67 | PASS |
| | Ant1 | 2412 | Reference | 2.46 | --- | PASS |
| | | | 30~1000 | -53.11 | <=-27.54 | PASS |
| | | | 1000~26500 | -45.02 | <=-27.54 | PASS |
| | Ant0 | 2437 | Reference | 3.04 | --- | PASS |
| | | | 30~1000 | -53.14 | <=-26.96 | PASS |
| | | | 1000~26500 | -43.98 | <=-26.96 | PASS |
| | Ant1 | 2437 | Reference | 2.60 | --- | PASS |
| | | | 30~1000 | -53.8 | <=-27.4 | PASS |
| | | | 1000~26500 | -45.02 | <=-27.4 | PASS |
| | Ant0 | 2462 | Reference | 3.28 | --- | PASS |
| | | | 30~1000 | -53.02 | <=-26.72 | PASS |
| | | | 1000~26500 | -43.42 | <=-26.72 | PASS |
| | Ant1 | 2462 | Reference | 1.53 | --- | PASS |
| | | | 30~1000 | -52.65 | <=-28.47 | PASS |
| | | | 1000~26500 | -43.58 | <=-28.47 | PASS |
| 11N40MIMO | Ant0 | 2422 | Reference | 0.26 | --- | PASS |
| | | | 30~1000 | -53.35 | <=-29.74 | PASS |
| | | | 1000~26500 | -44.93 | <=-29.74 | PASS |
| | Ant1 | 2422 | Reference | 0.68 | --- | PASS |
| | | | 30~1000 | -41.77 | <=-29.32 | PASS |
| | | | 1000~26500 | -45.28 | <=-29.32 | PASS |
| | Ant0 | 2437 | Reference | 0.52 | --- | PASS |
| | | | 30~1000 | -52.55 | <=-29.48 | PASS |
| | | | 1000~26500 | -43.95 | <=-29.48 | PASS |
| | Ant1 | 2437 | Reference | 0.46 | --- | PASS |
| | | | 30~1000 | -52.3 | <=-29.54 | PASS |
| | | | 1000~26500 | -45 | <=-29.54 | PASS |
| | Ant0 | 2452 | Reference | -0.35 | --- | PASS |
| | | | 30~1000 | -53.06 | <=-30.35 | PASS |
| | | | 1000~26500 | -44.16 | <=-30.35 | PASS |
| | Ant1 | 2452 | Reference | -1.25 | --- | PASS |
| | | | 30~1000 | -53.34 | <=-31.25 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 1000~26500 | -45.06 | <=-31.25 | PASS |
| 11AX20MIMO | Ant0 | 2412 | Reference | 0.83 | --- | PASS |
| | | | 30~1000 | -52.5 | <=-29.17 | PASS |
| | | | 1000~26500 | -44.06 | <=-29.17 | PASS |
| | Ant1 | 2412 | Reference | 0.42 | --- | PASS |
| | | | 30~1000 | -52.08 | <=-29.58 | PASS |
| | | | 1000~26500 | -44.48 | <=-29.58 | PASS |
| | Ant0 | 2437 | Reference | 0.73 | --- | PASS |
| | | | 30~1000 | -53.04 | <=-29.28 | PASS |
| | | | 1000~26500 | -44.54 | <=-29.28 | PASS |
| | Ant1 | 2437 | Reference | 0.41 | --- | PASS |
| | | | 30~1000 | -52.93 | <=-29.6 | PASS |
| | | | 1000~26500 | -44.49 | <=-29.6 | PASS |
| | Ant0 | 2462 | Reference | 0.84 | --- | PASS |
| | | | 30~1000 | -53.69 | <=-29.16 | PASS |
| | | | 1000~26500 | -44.82 | <=-29.16 | PASS |
| | Ant1 | 2462 | Reference | 0.34 | --- | PASS |
| | | | 30~1000 | -53.22 | <=-29.66 | PASS |
| | | | 1000~26500 | -43.93 | <=-29.66 | PASS |
| 11AX40MIMO | Ant0 | 2422 | Reference | -1.93 | --- | PASS |
| | | | 30~1000 | -52.48 | <=-31.93 | PASS |
| | | | 1000~26500 | -42.29 | <=-31.93 | PASS |
| | Ant1 | 2422 | Reference | -1.96 | --- | PASS |
| | | | 30~1000 | -53.4 | <=-31.96 | PASS |
| | | | 1000~26500 | -44.3 | <=-31.96 | PASS |
| | Ant0 | 2437 | Reference | -1.72 | --- | PASS |
| | | | 30~1000 | -53.06 | <=-31.72 | PASS |
| | | | 1000~26500 | -44.16 | <=-31.72 | PASS |
| | Ant1 | 2437 | Reference | -1.83 | --- | PASS |
| | | | 30~1000 | -53.34 | <=-31.83 | PASS |
| | | | 1000~26500 | -44.96 | <=-31.83 | PASS |
| | Ant0 | 2452 | Reference | -1.77 | --- | PASS |
| | | | 30~1000 | -52.53 | <=-31.77 | PASS |
| | | | 1000~26500 | -44.6 | <=-31.77 | PASS |
| | Ant1 | 2452 | Reference | -2.12 | --- | PASS |
| | | | 30~1000 | -52.91 | <=-32.12 | PASS |
| | | | 1000~26500 | -44.65 | <=-32.12 | PASS |

### 11.6.2. Test Graphs

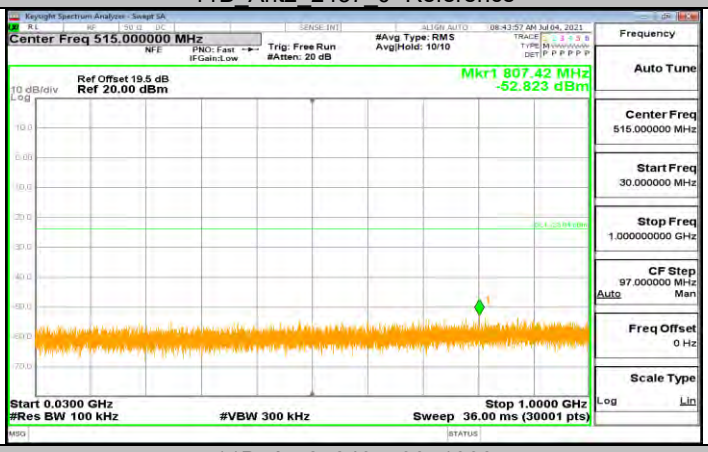

11B_Ant2_2412_0~Reference



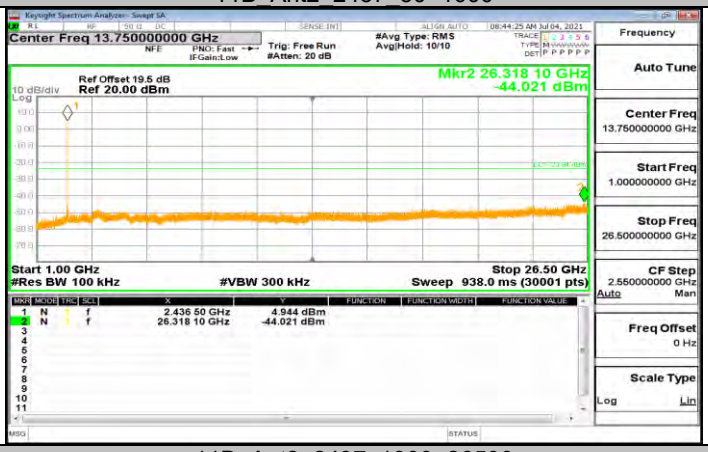

11B_Ant2_2412_30~1000


11B_Ant2_2412_1000~26500


11B_Ant2_2437_0~Reference

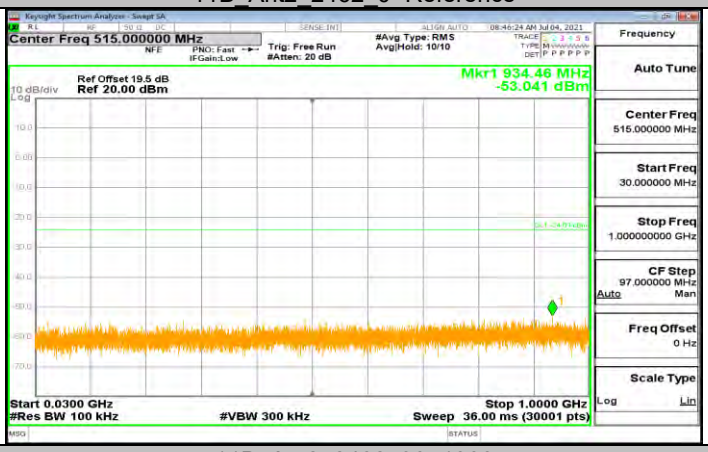



11B_Ant2_2437_30~1000



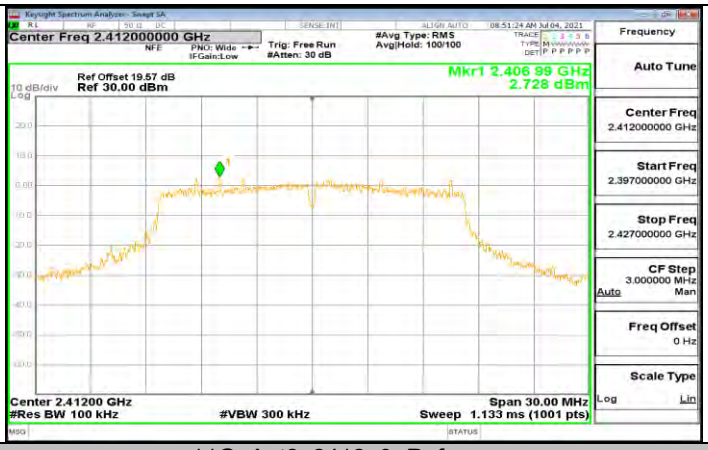

11B_Ant2_2437_1000~26500


11B_Ant2_2462_0~Reference

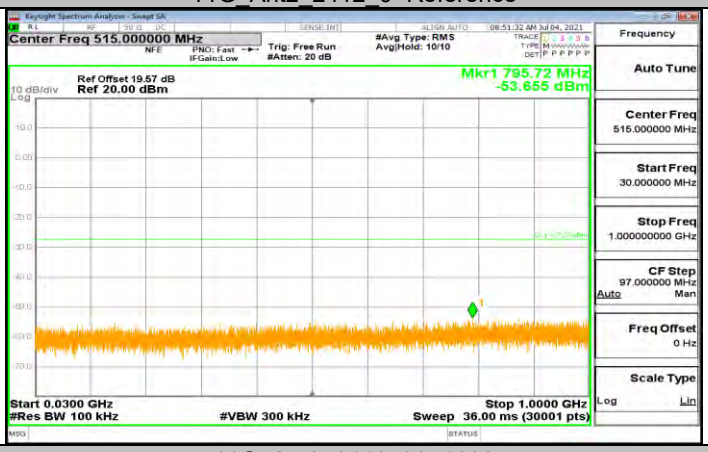



11B_Ant2_2462_30~1000

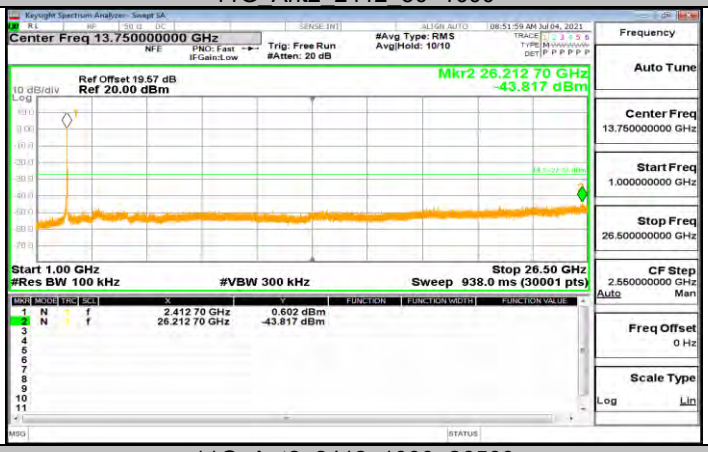

11B_Ant2_2462_1000~26500



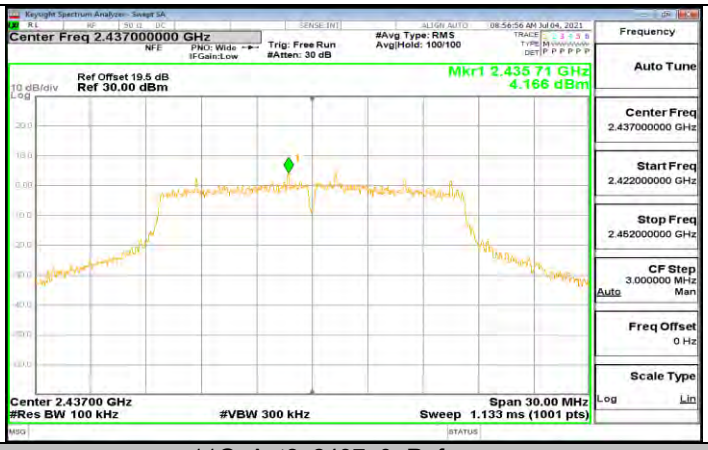

11G_Ant2_2412_0~Reference



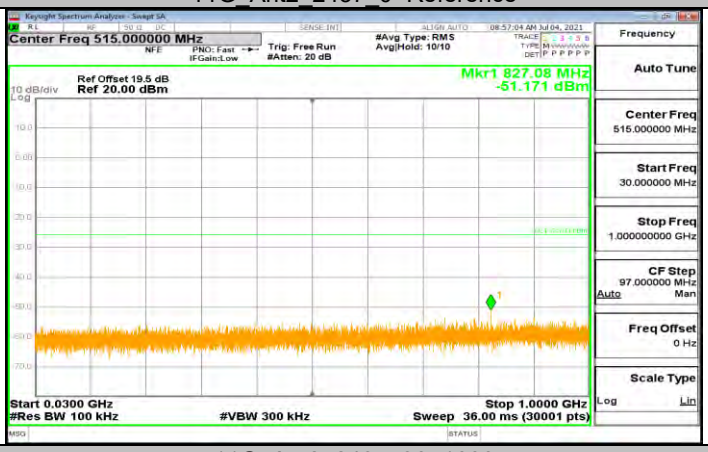

11G_Ant2_2412_30~1000



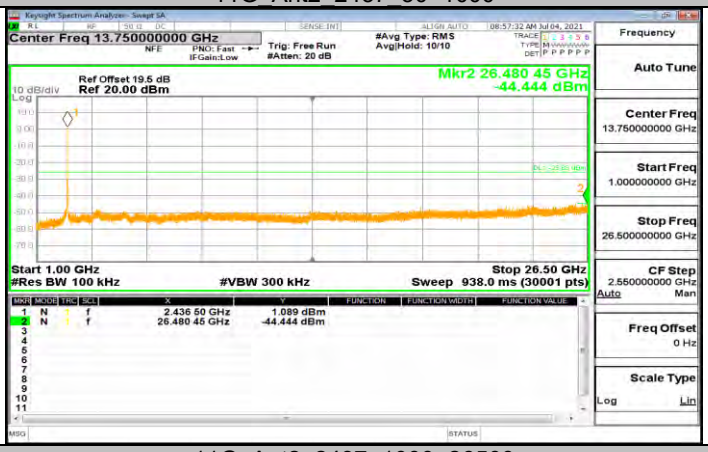

11G_Ant2_2412_1000~26500



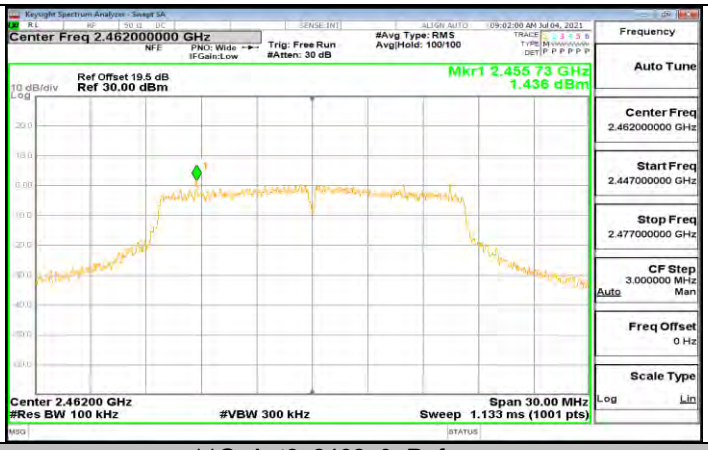

11G_Ant2_2437_0~Reference



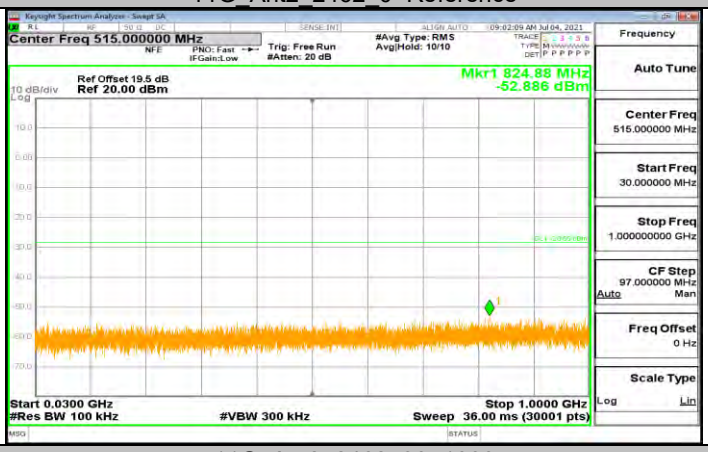

11G_Ant2_2437_30~1000



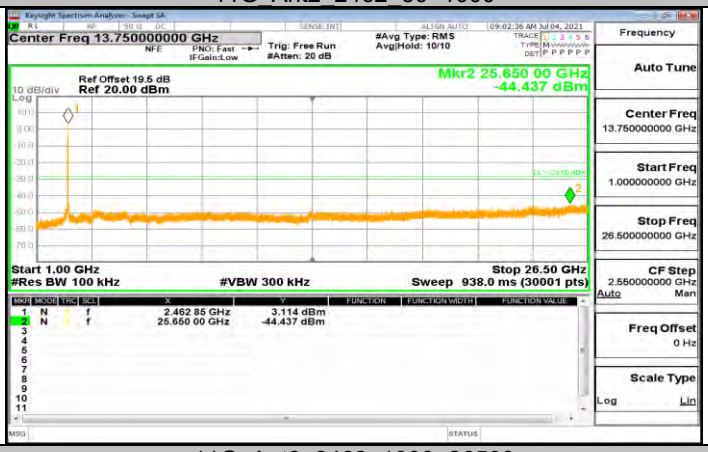

11G_Ant2_2437_1000~26500



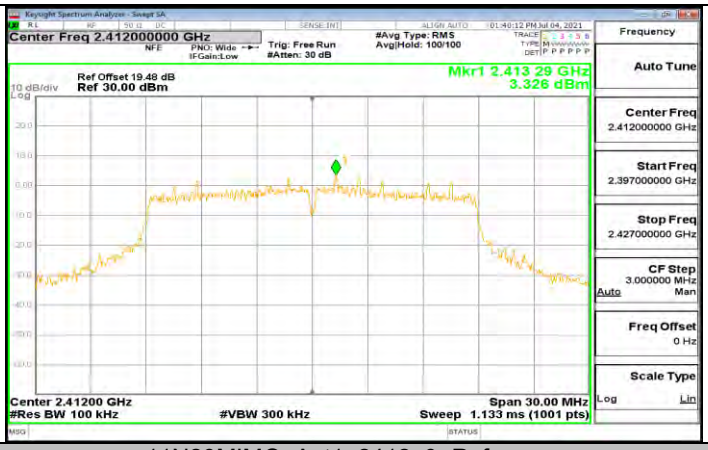

11G_Ant2_2462_0~Reference



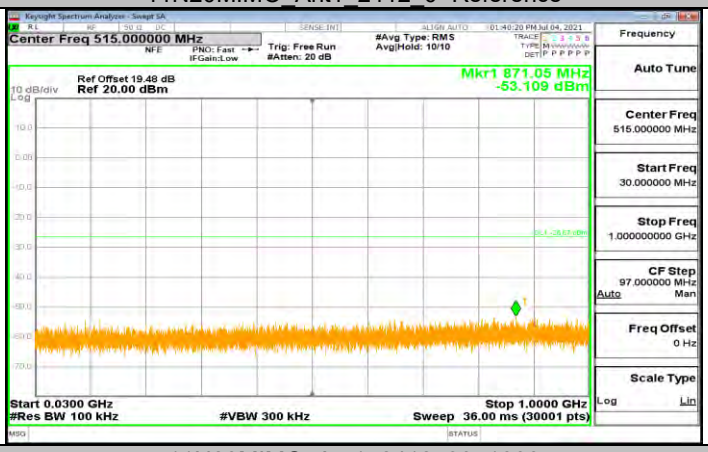

11G_Ant2_2462_30~1000



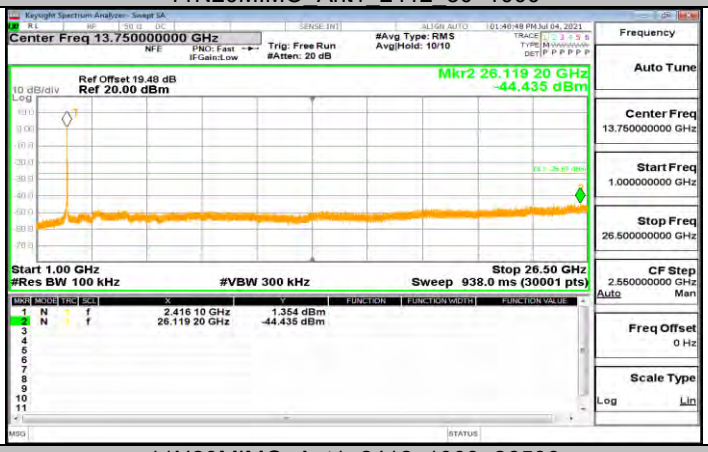

11G_Ant2_2462_1000~26500



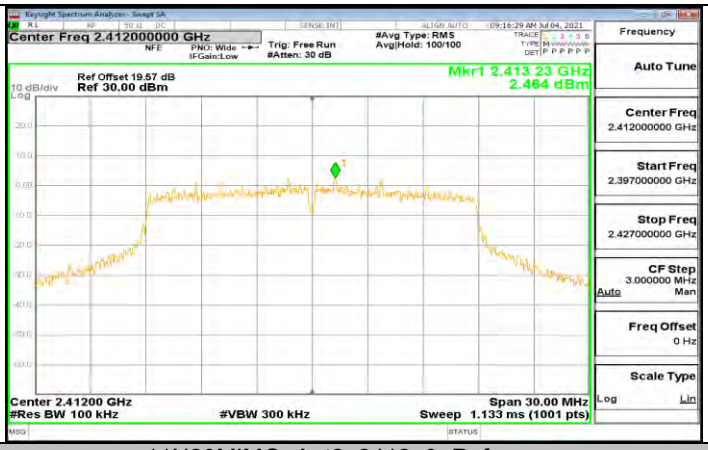

11N20MIMO_Ant1_2412_0~Reference



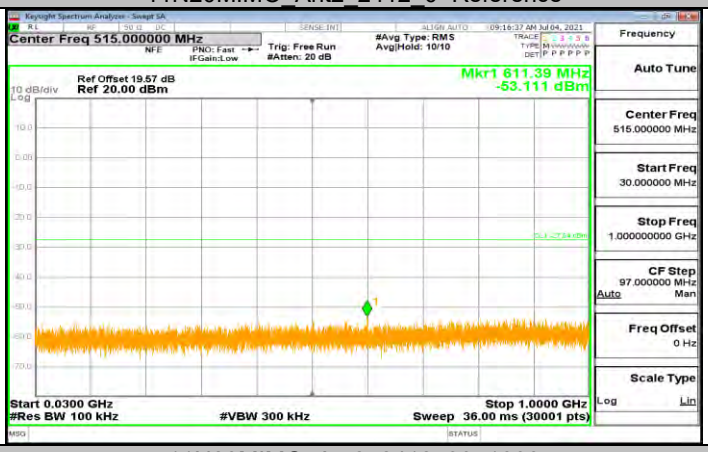

11N20MIMO_Ant1_2412_30~1000



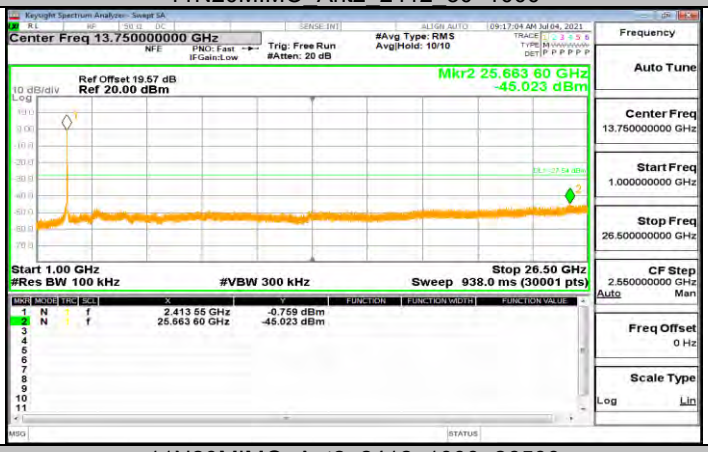

11N20MIMO_Ant1_2412_1000~26500



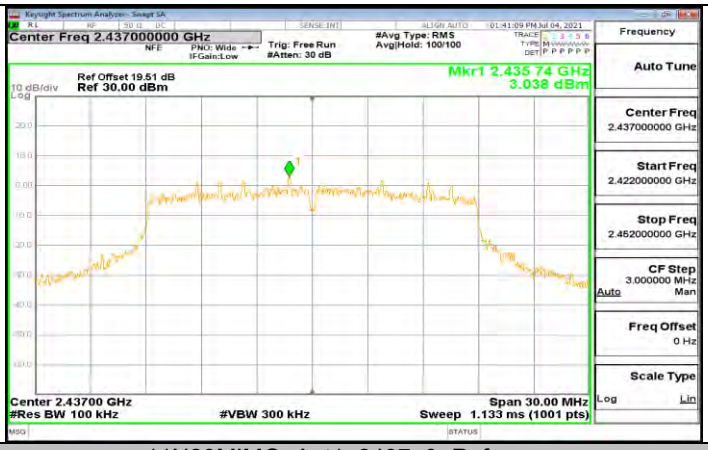

11N20MIMO_Ant2_2412_0~Reference



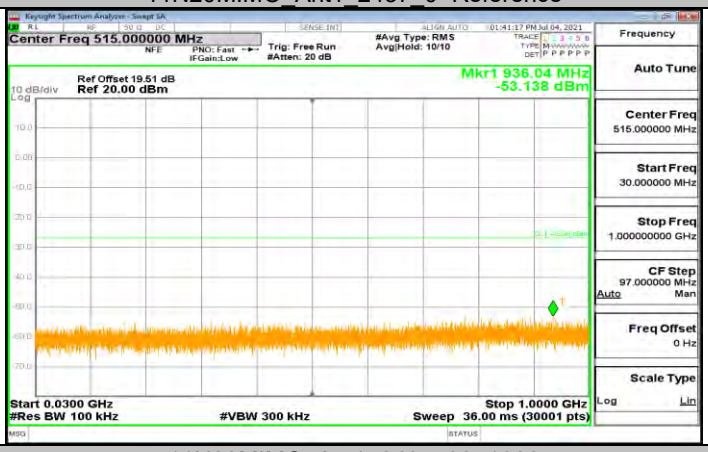

11N20MIMO_Ant2_2412_30~1000



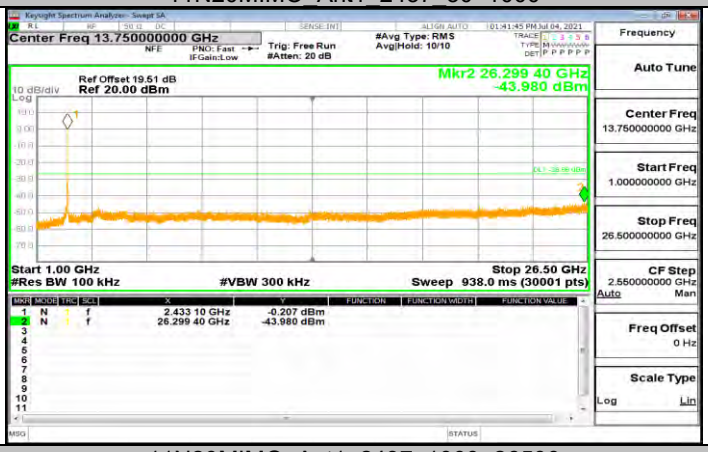

11N20MIMO_Ant2_2412_1000~26500



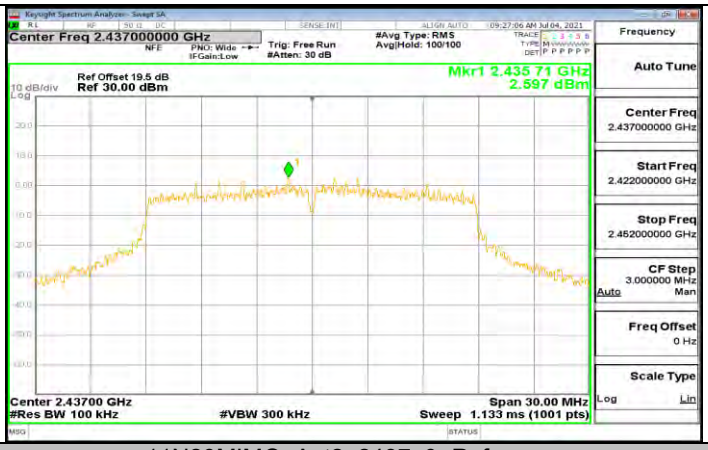

11N20MIMO_Ant1_2437_0~Reference



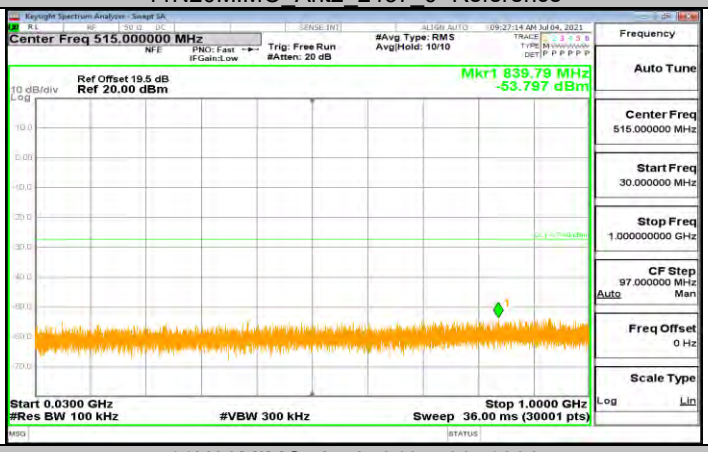

11N20MIMO_Ant1_2437_30~1000



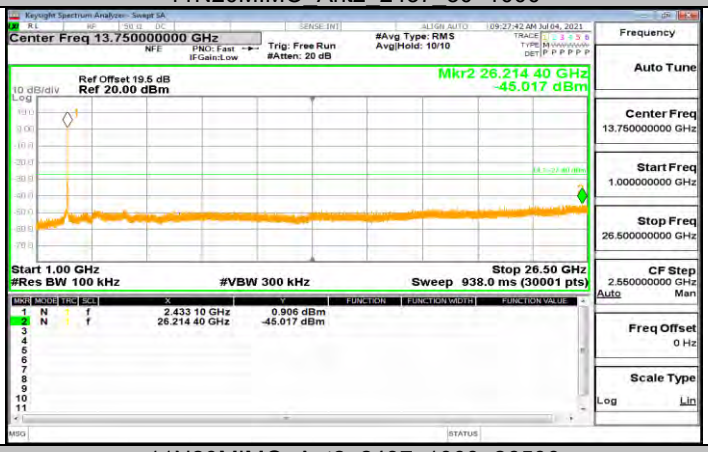

11N20MIMO_Ant1_2437_1000~26500




11N20MIMO_Ant2_2437_0~Reference

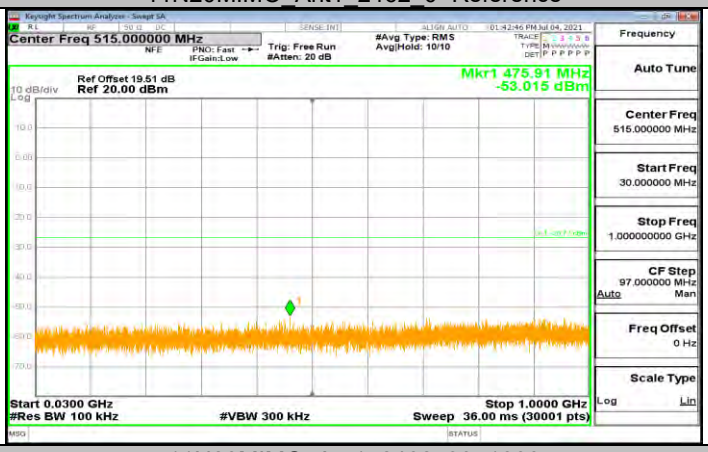



11N20MIMO_Ant2_2437_30~1000

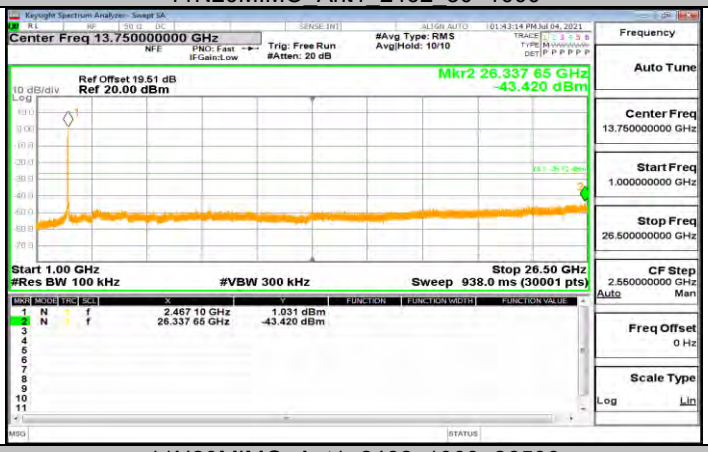



11N20MIMO_Ant2_2437_1000~26500

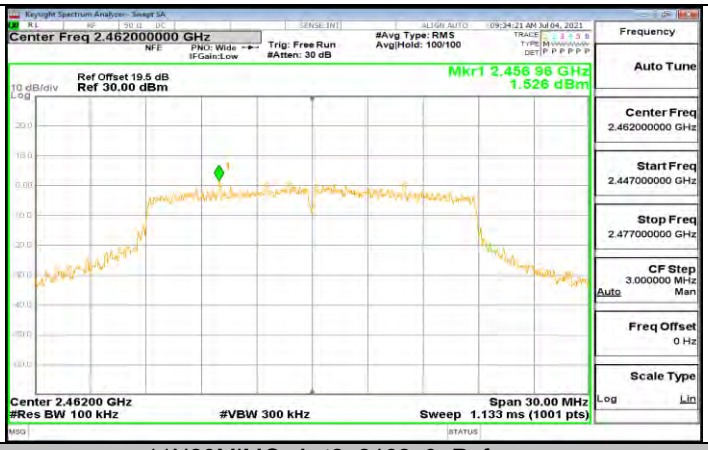

11N20MIMO_Ant1_2462_0~Reference



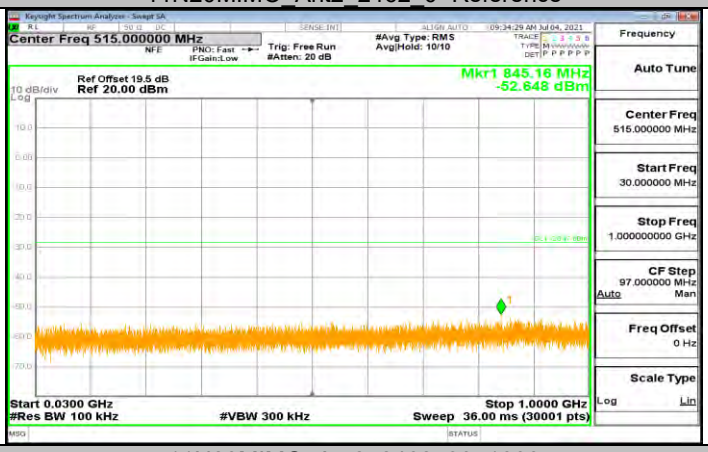

11N20MIMO_Ant1_2462_30~1000



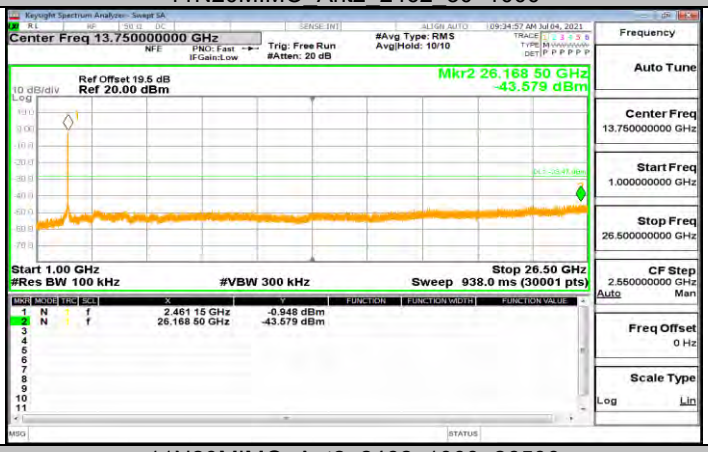

11N20MIMO_Ant1_2462_1000~26500




11N20MIMO_Ant2_2462_0~Reference

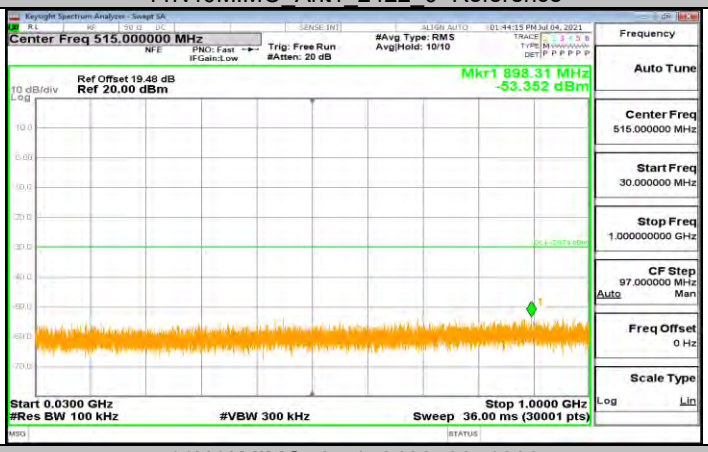



11N20MIMO_Ant2_2462_30~1000

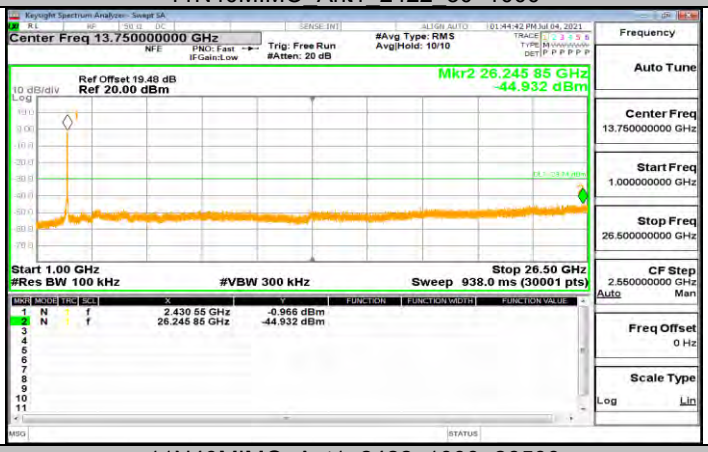



11N20MIMO_Ant2_2462_1000~26500

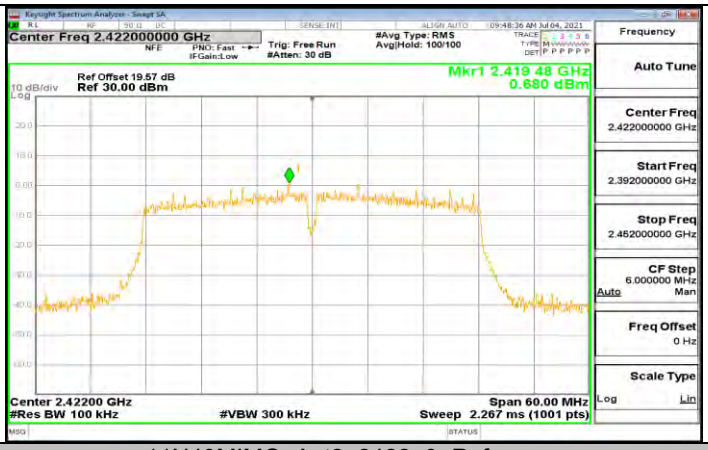

11N40MIMO_Ant1_2422_0~Reference




11N40MIMO_Ant1_2422_30~1000




11N40MIMO_Ant1_2422_1000~26500

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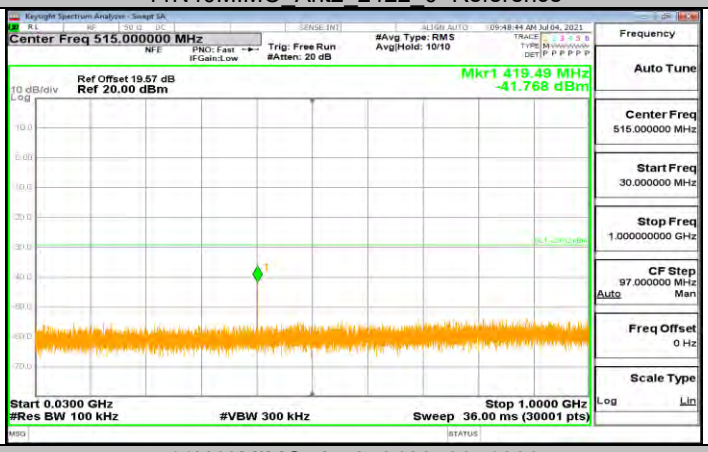
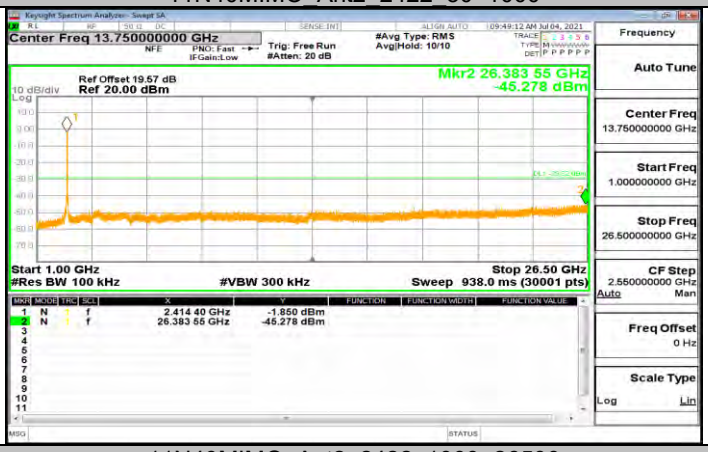
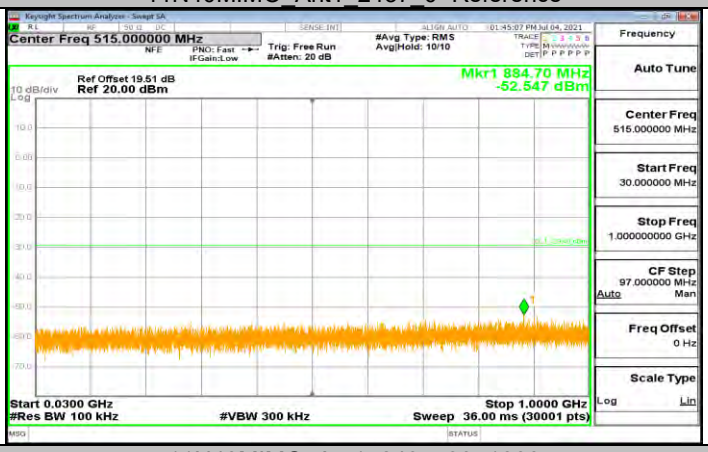



11N40MIMO_Ant2_2422_30~1000




11N40MIMO_Ant2_2422_1000~26500


11N40MIMO_Ant1_2437_0~Reference

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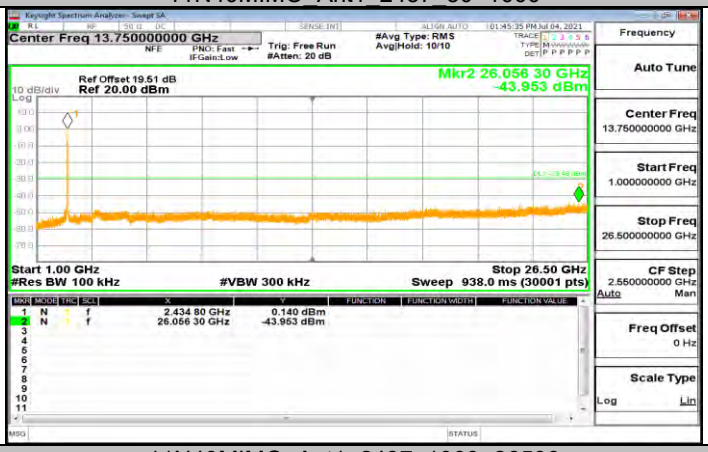


11N40MIMO_Ant1_2437_1000~26500


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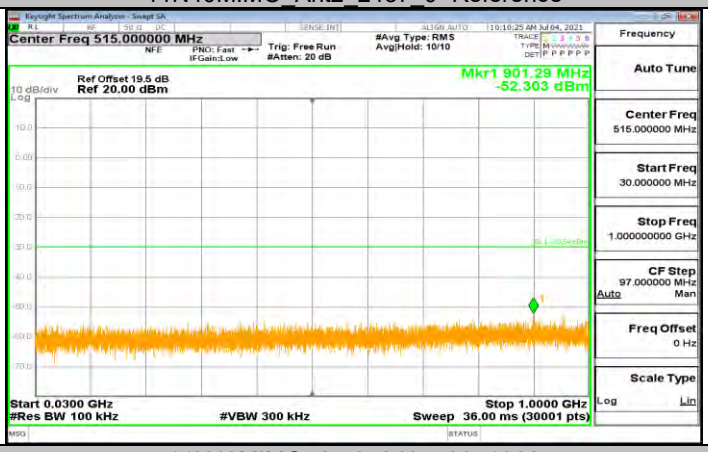


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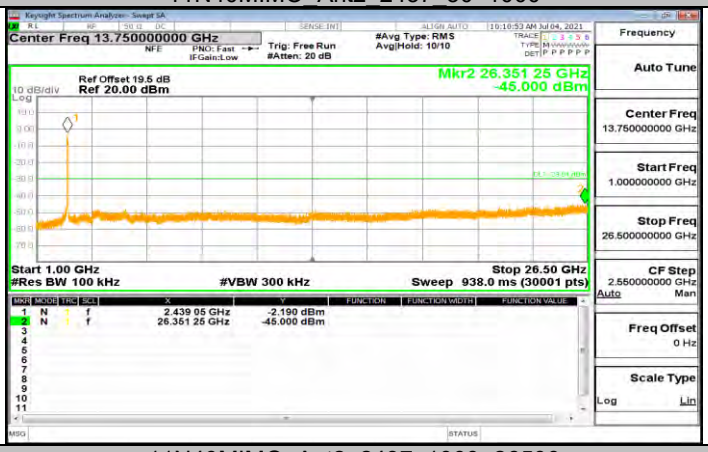
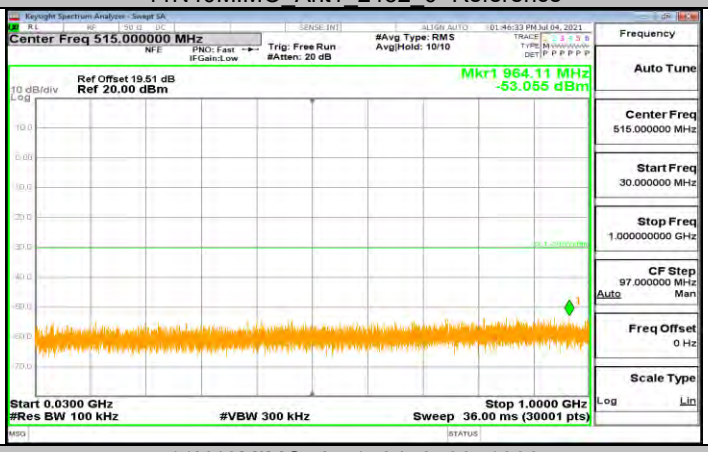



11N40MIMO_Ant2_2437_1000~26500


11N40MIMO_Ant1_2452_0~Reference

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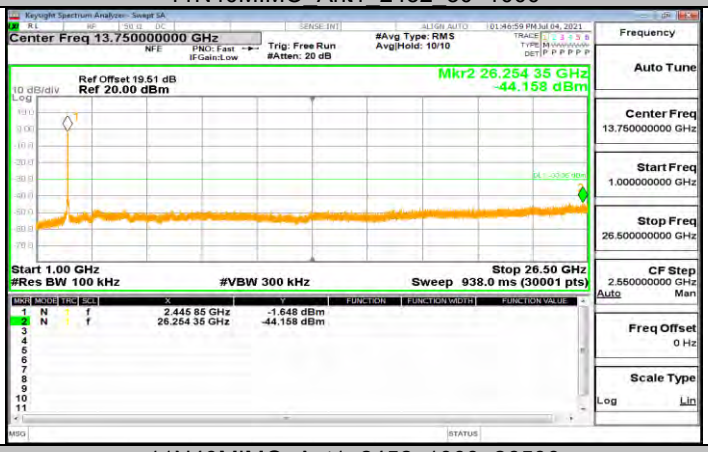


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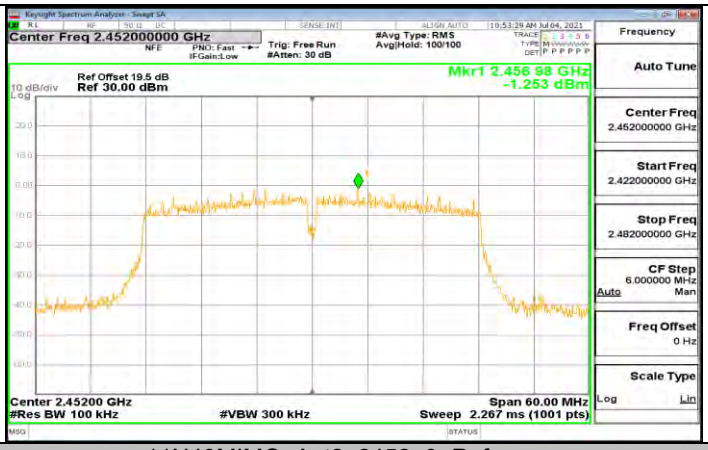


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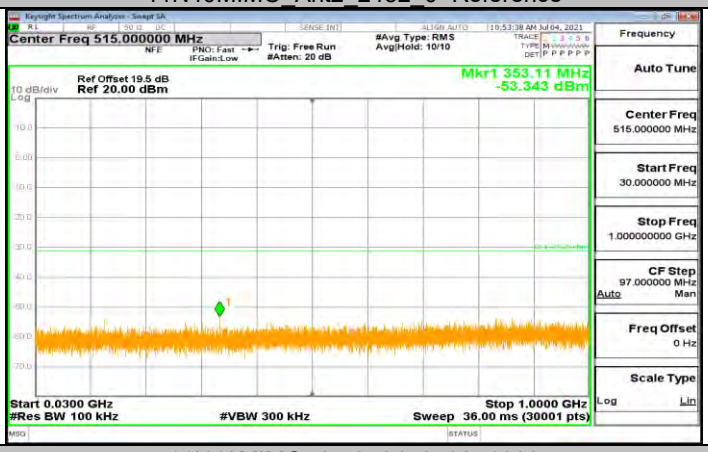
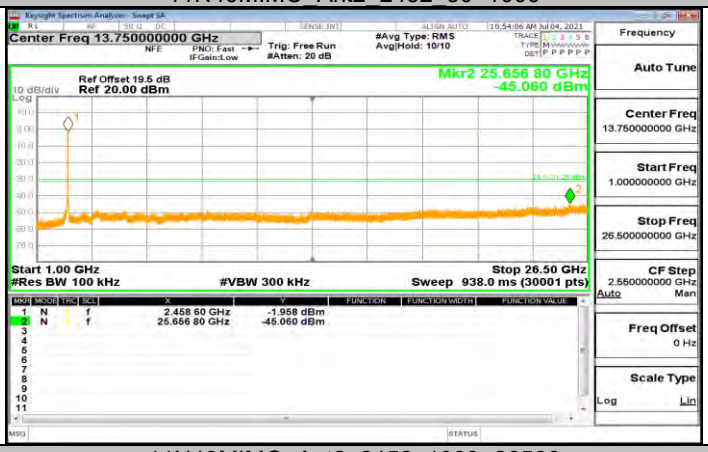
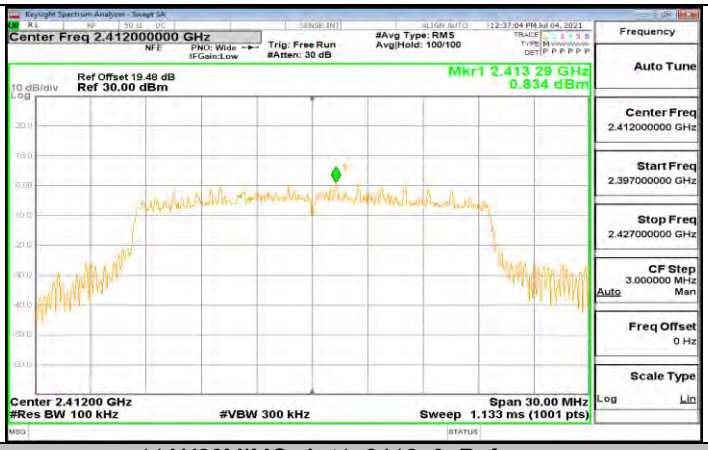


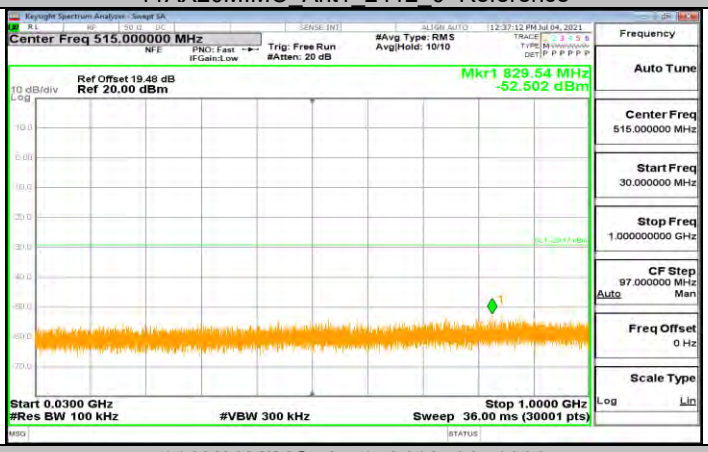

11N40MIMO_Ant2_2452_30~1000



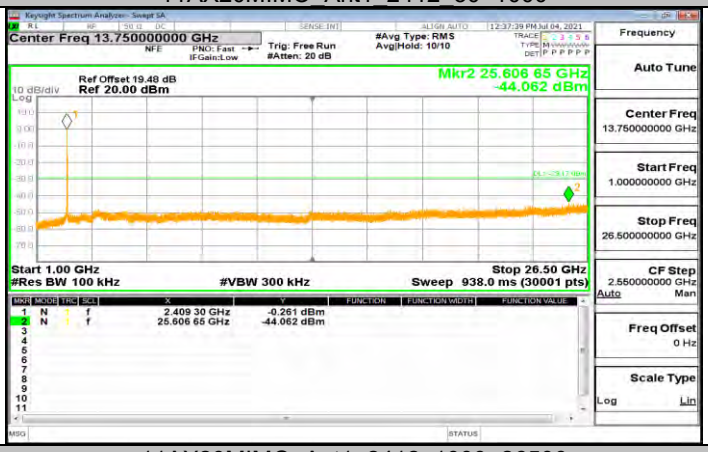

11N40MIMO_Ant2_2452_1000~26500



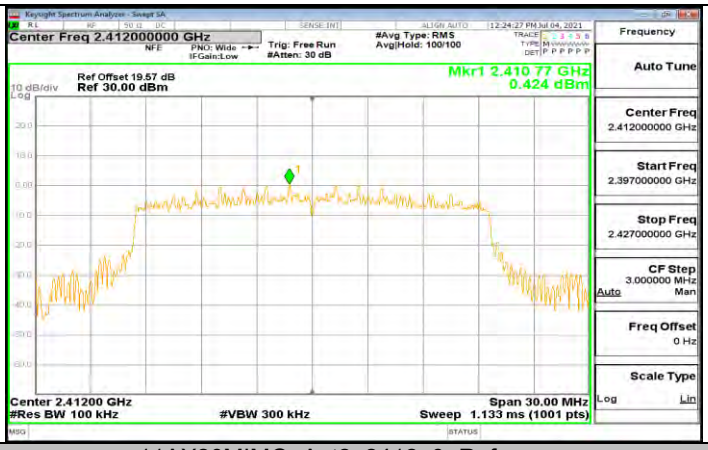

11AX20MIMO_Ant1_2412_0~Reference




11AX20MIMO_Ant1_2412_30~1000




11AX20MIMO_Ant1_2412_1000~26500

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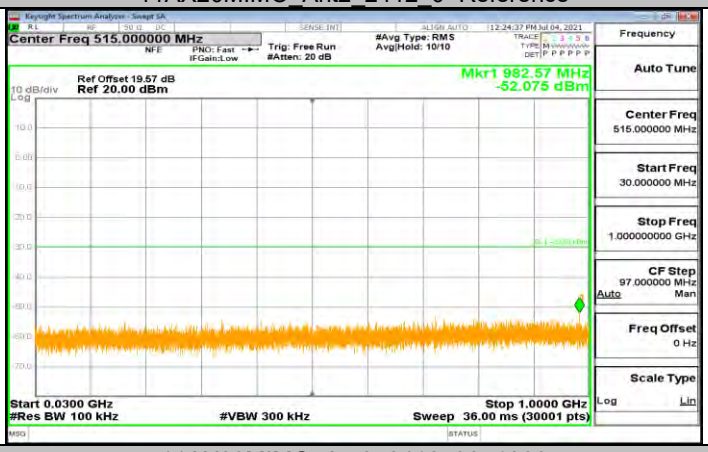


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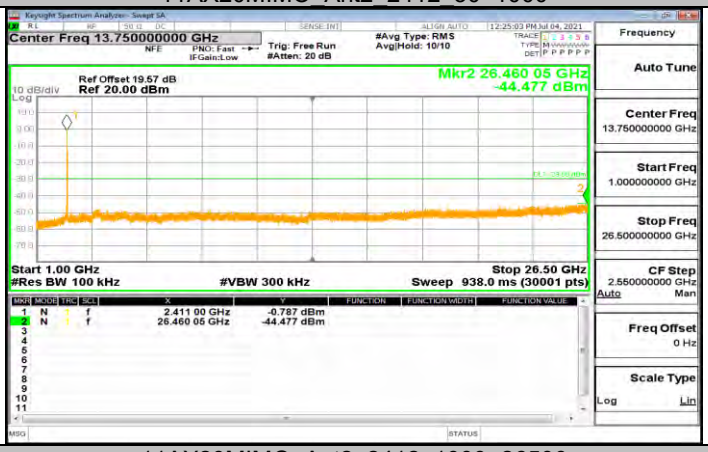


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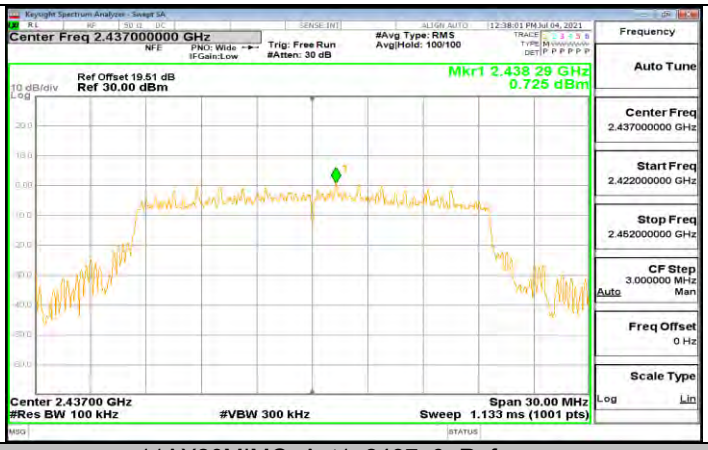


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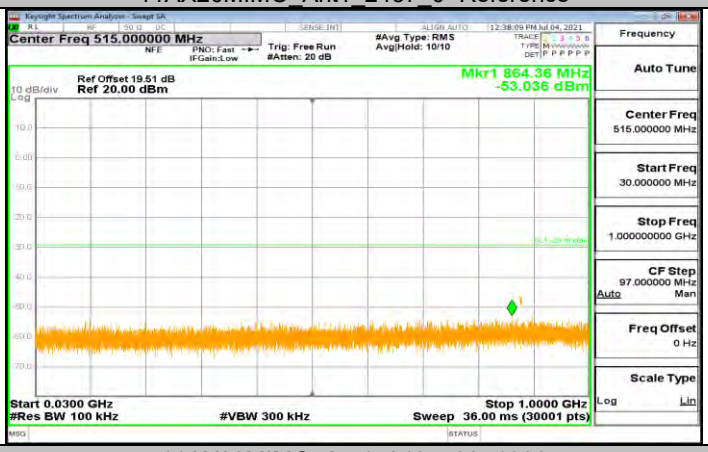
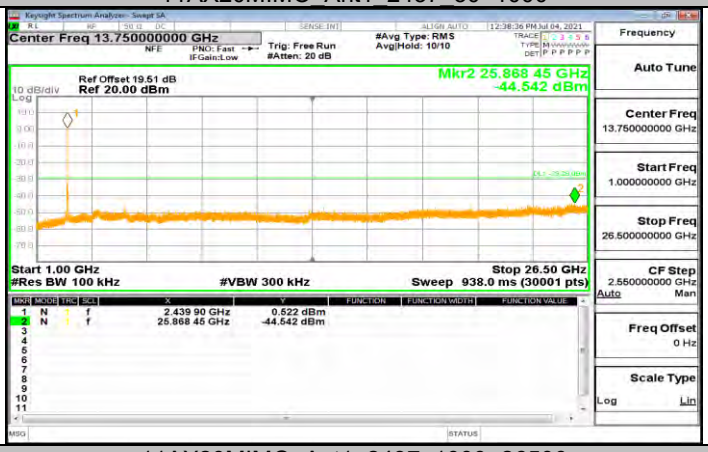



11AX20MIMO_Ant1_2437_30~1000

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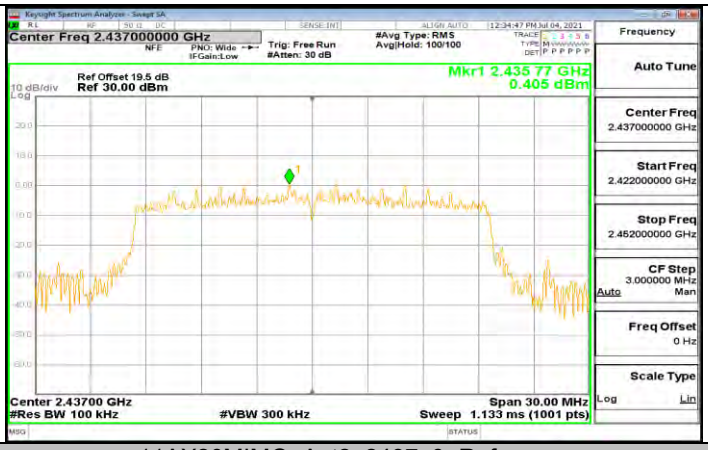


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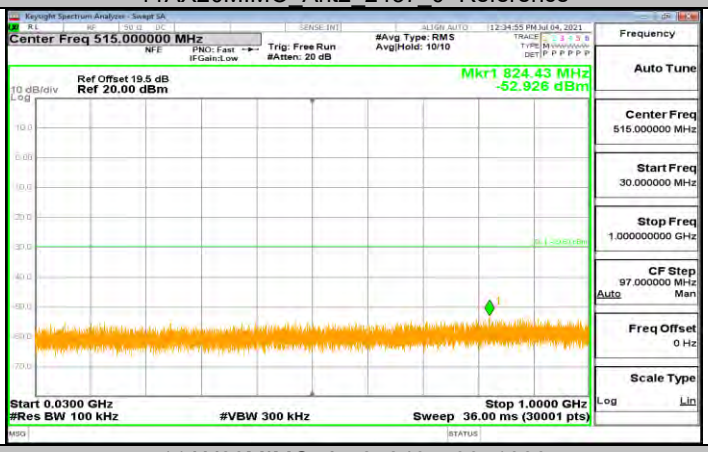
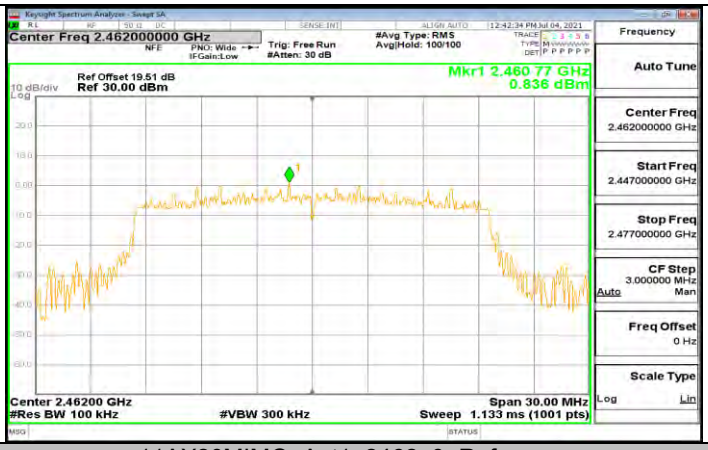
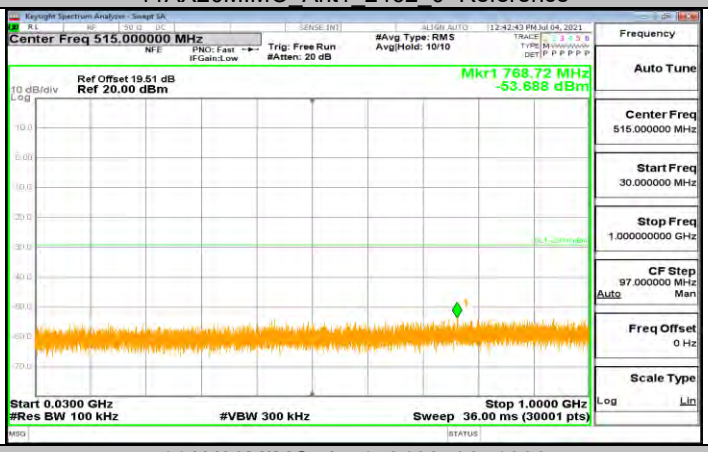



11AX20MIMO_Ant2_2437_30~1000

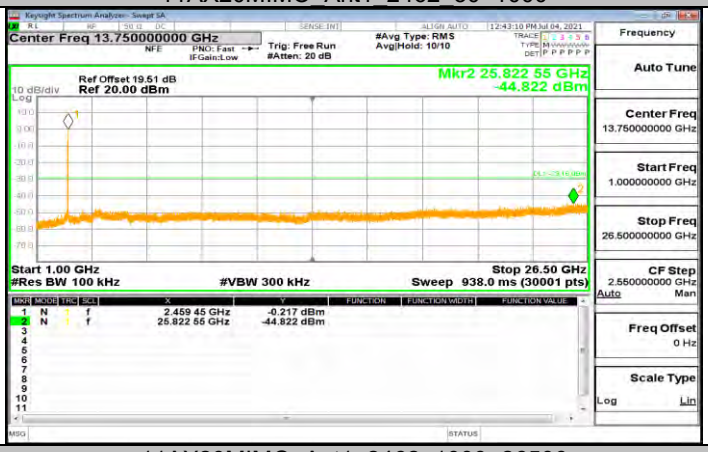

11AX20MIMO_Ant2_2437_1000~26500




11AX20MIMO_Ant1_2462_0~Reference




11AX20MIMO_Ant1_2462_30~1000

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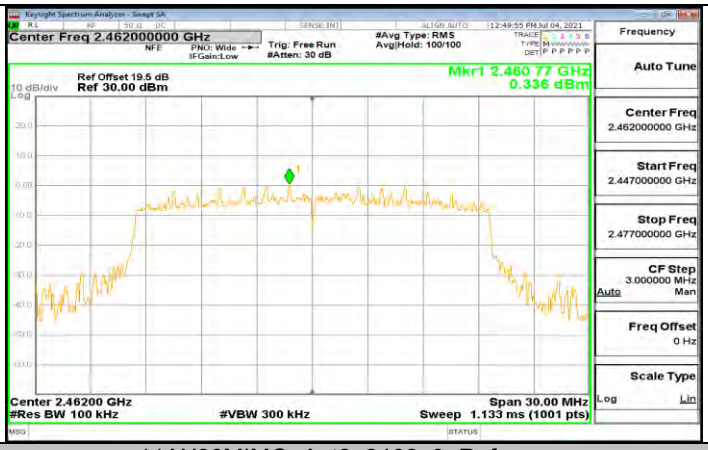
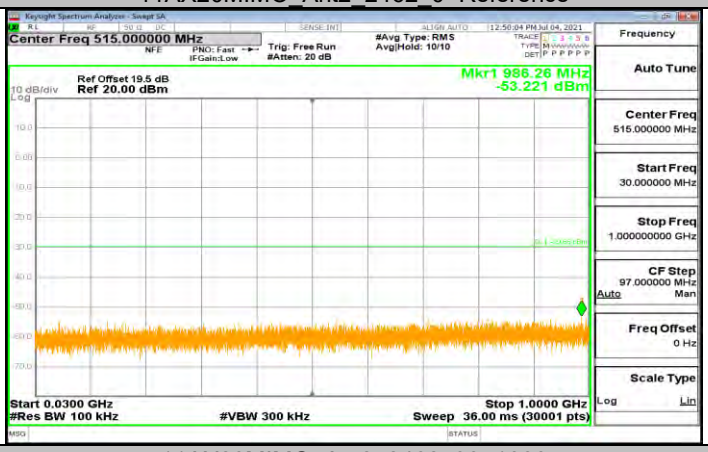



11AX20MIMO_Ant2_2462_0~Reference

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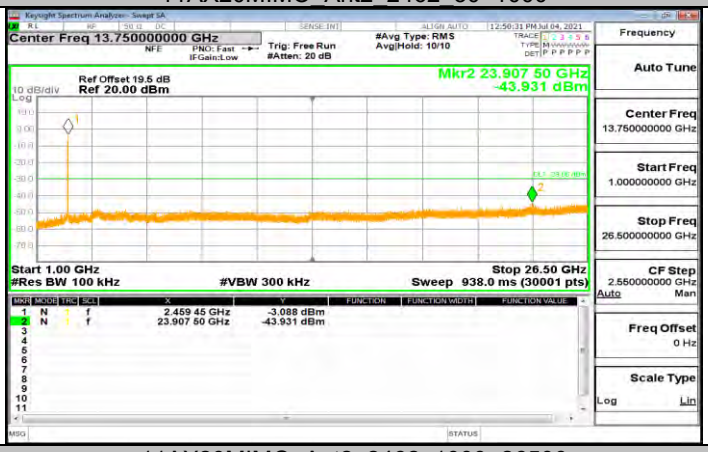
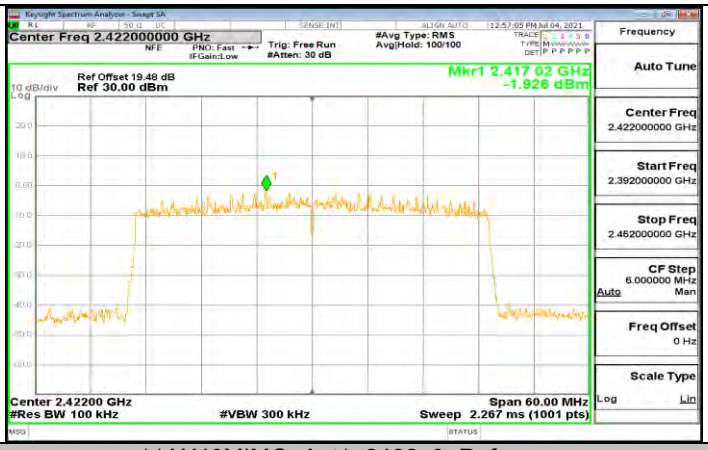



11AX20MIMO_Ant2_2462_1000~26500

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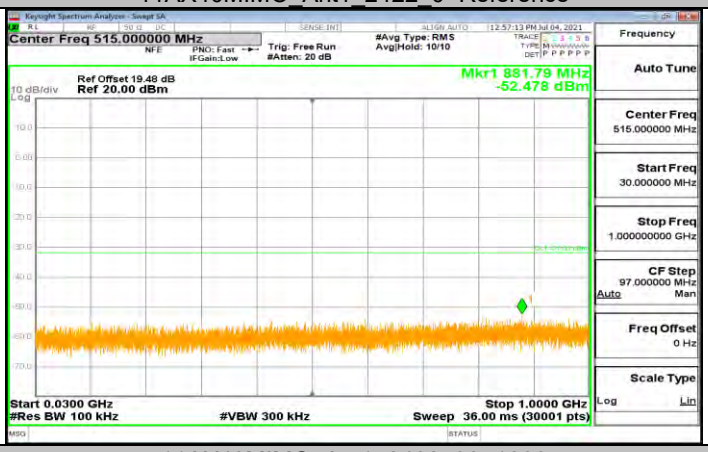


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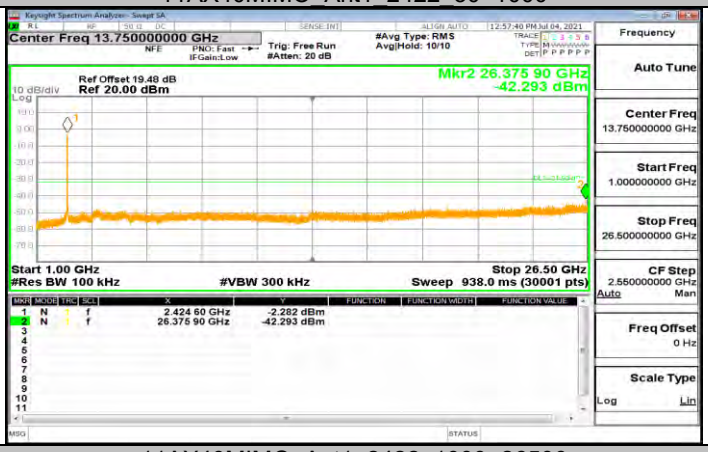


11AX40MIMO_Ant1_2422_1000~26500


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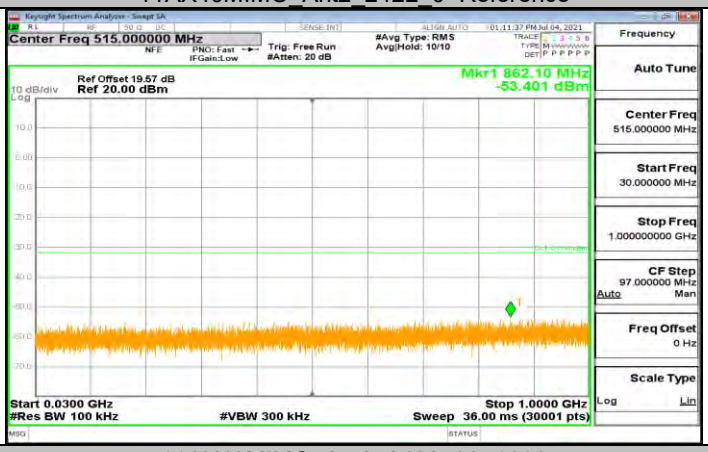
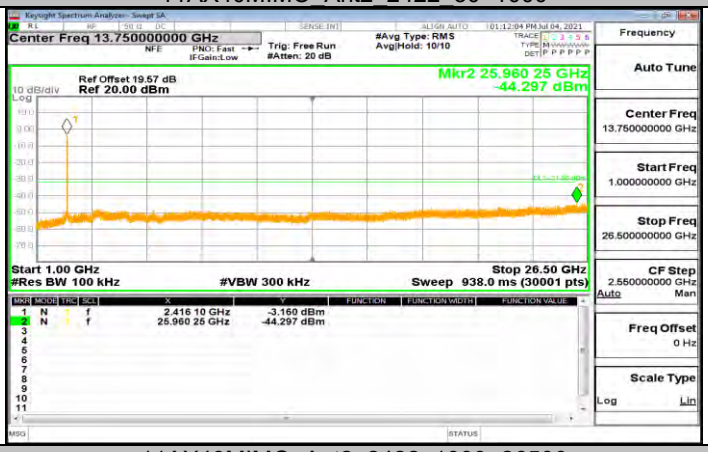
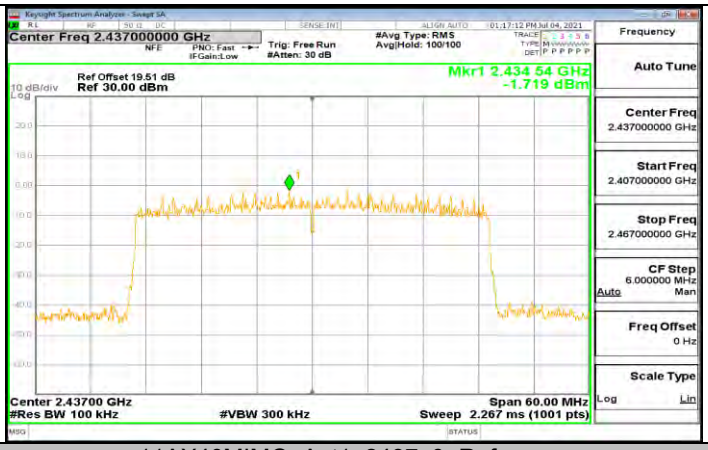


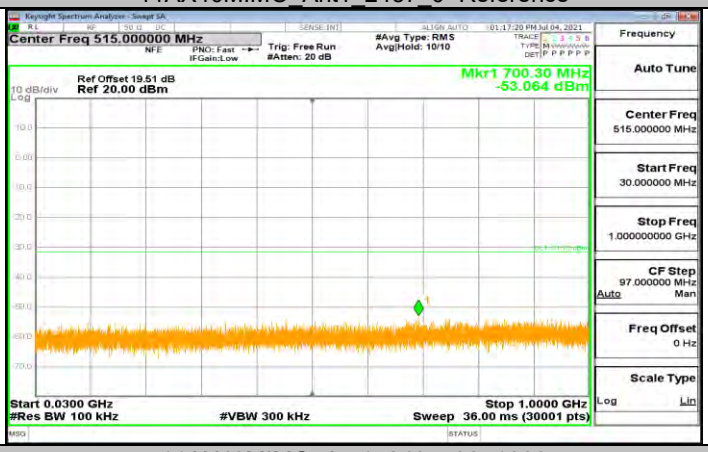

11AX40MIMO_Ant2_2422_30~1000



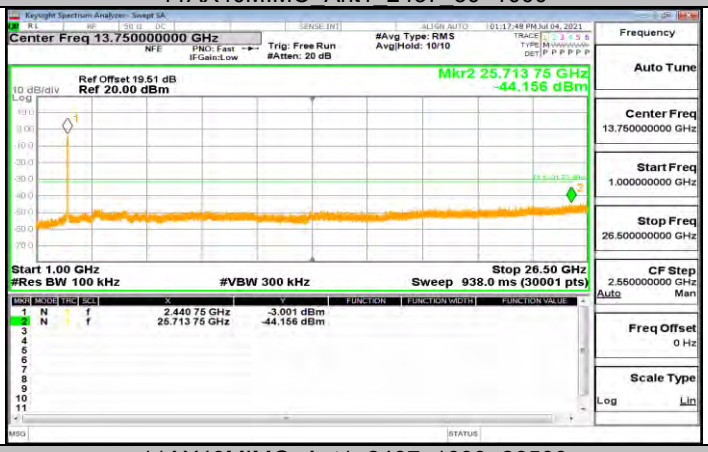

11AX40MIMO_Ant2_2422_1000~26500



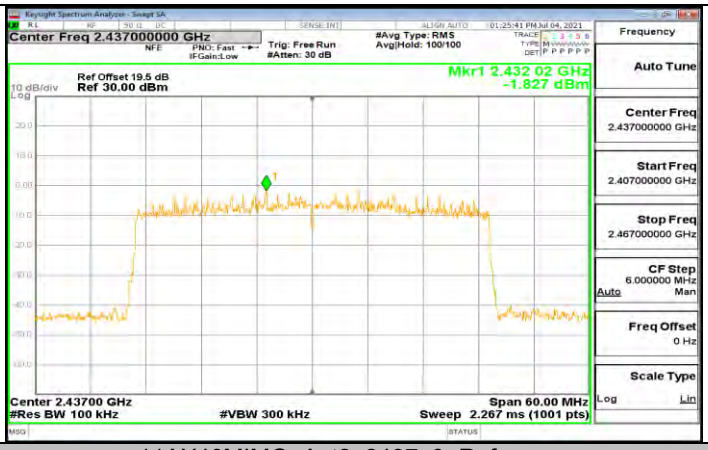

11AX40MIMO_Ant1_2437_0~Reference




11AX40MIMO_Ant1_2437_30~1000




11AX40MIMO_Ant1_2437_1000~26500

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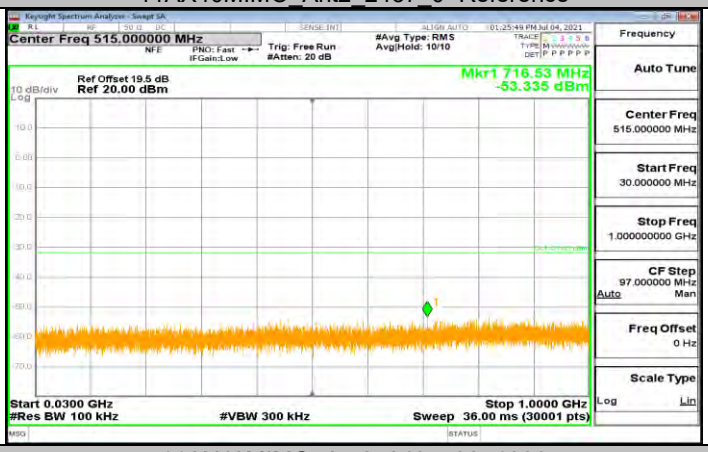


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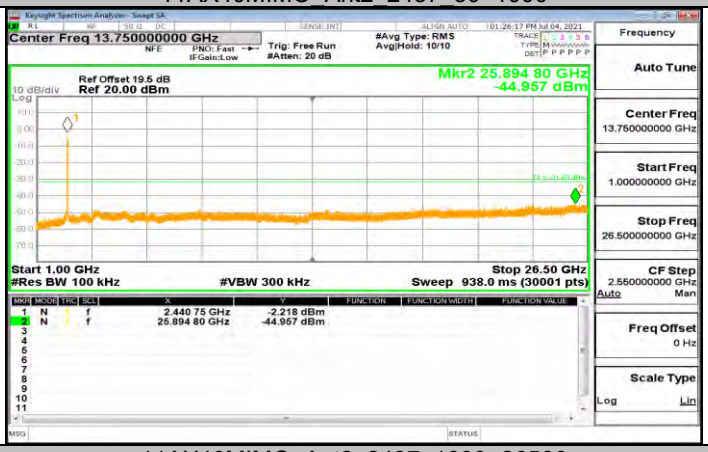
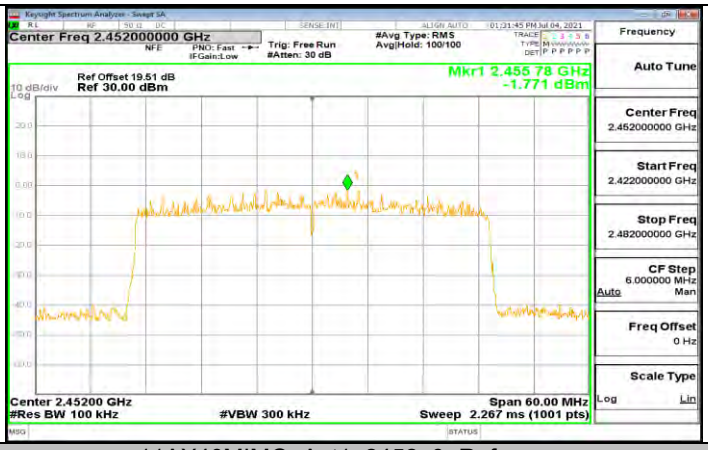
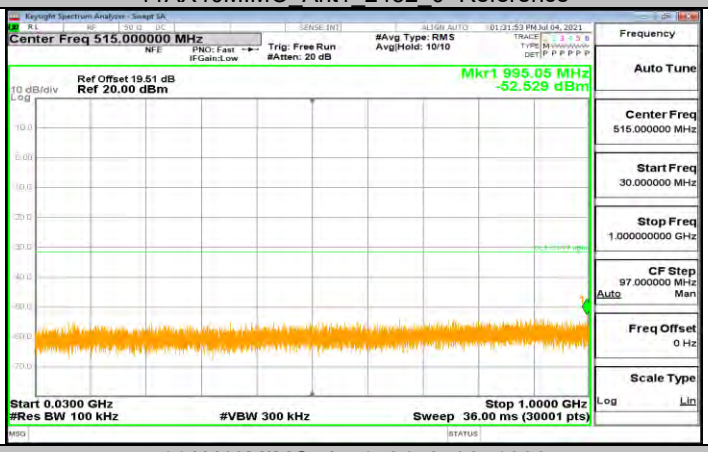


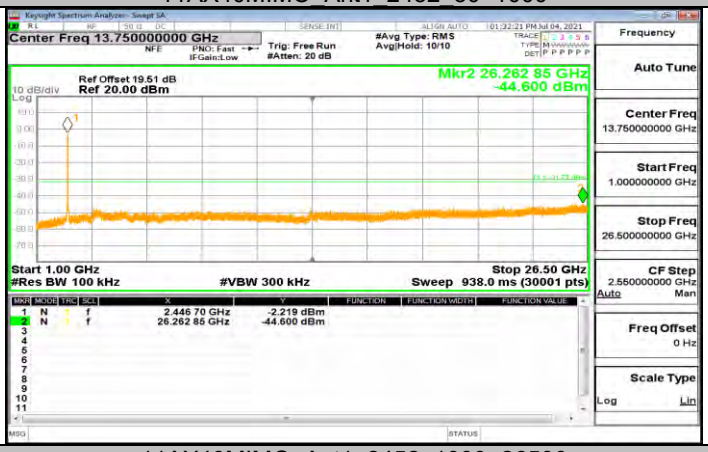

11AX40MIMO_Ant2_2437_1000~26500



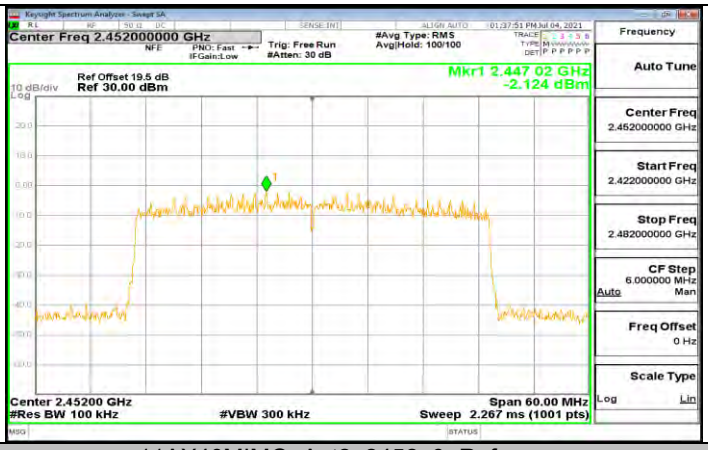

11AX40MIMO_Ant1_2452_0~Reference



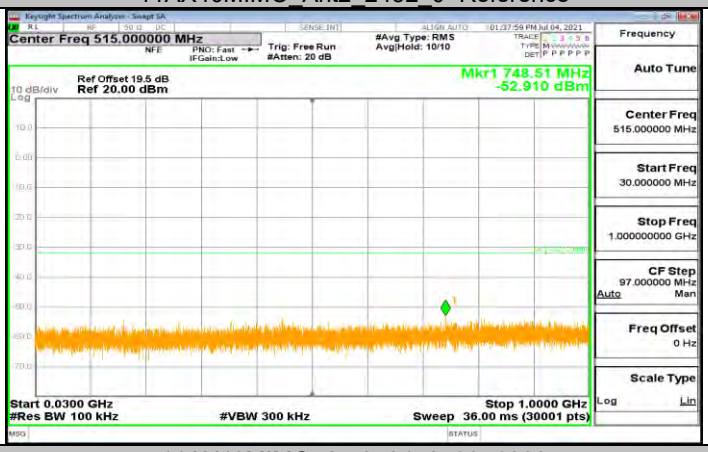

11AX40MIMO_Ant1_2452_30~1000




11AX40MIMO_Ant1_2452_1000~26500




11AX40MIMO_Ant2_2452_0~Reference




11AX40MIMO_Ant2_2452_30~1000


11AX40MIMO_Ant2_2452_1000~26500

## 11.7. Appendix G: Duty Cycle

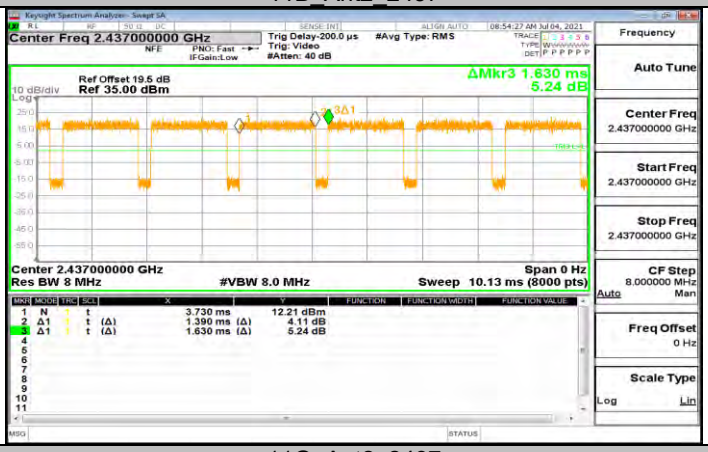
### 11.7.1. Test Result

| Mode | On Time (msec) | Period (msec) | Duty Cycle x (Linear) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T Minimum VBW (kHz) | Final setting For VBW (kHz) |
|---|---|---|---|---|---|---|---|
| 11B | 8.38 | 8.61 | 0.9733 | 97.33 | 0.12 | 0.12 | 0.5 |
| 11G | 1.39 | 1.63 | 0.8528 | 85.28 | 0.69 | 0.72 | 1 |
| 11N20MIMO | 1.30 | 1.53 | 0.8497 | 84.97 | 0.71 | 0.77 | 1 |
| 11N40MIMO | 0.64 | 0.89 | 0.7191 | 71.91 | 1.43 | 1.56 | 2 |
| 11AX20MIMO | 0.31 | 0.52 | 0.5962 | 59.62 | 2.25 | 3.23 | 4 |
| 11AX40MIMO | 0.31 | 0.53 | 0.5849 | 58.49 | 2.33 | 3.23 | 4 |

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

### 11.7.2. Test Graphs

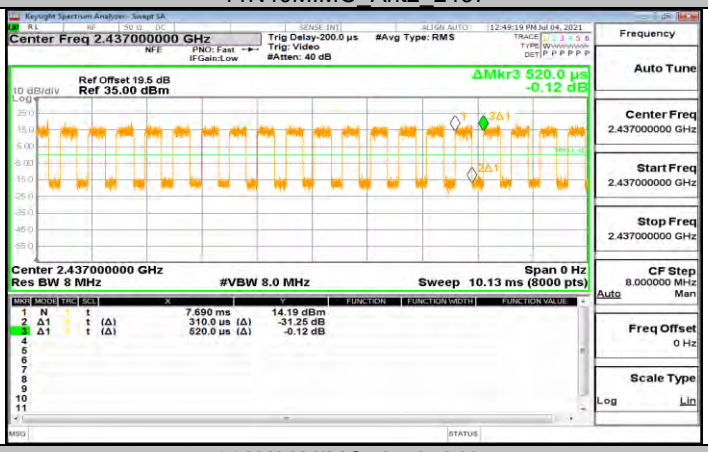

11B_Ant2_2437




11G_Ant2_2437


11N20MIMO_Ant2_2437


11N40MIMO_Ant2_2437

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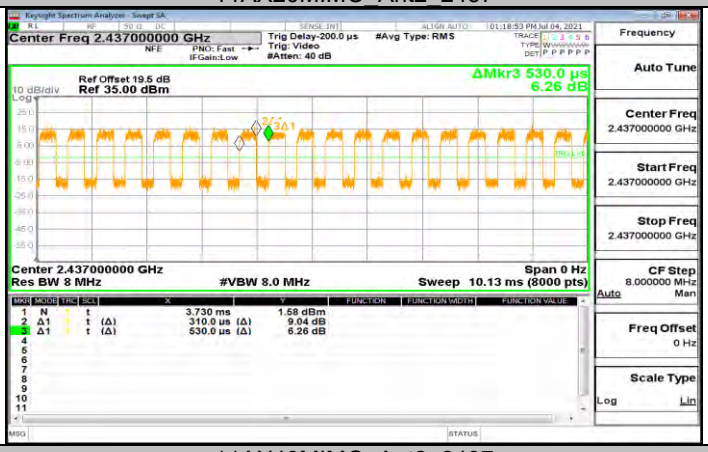


11AX40MIMO_Ant2_2437

## END OF REPORT