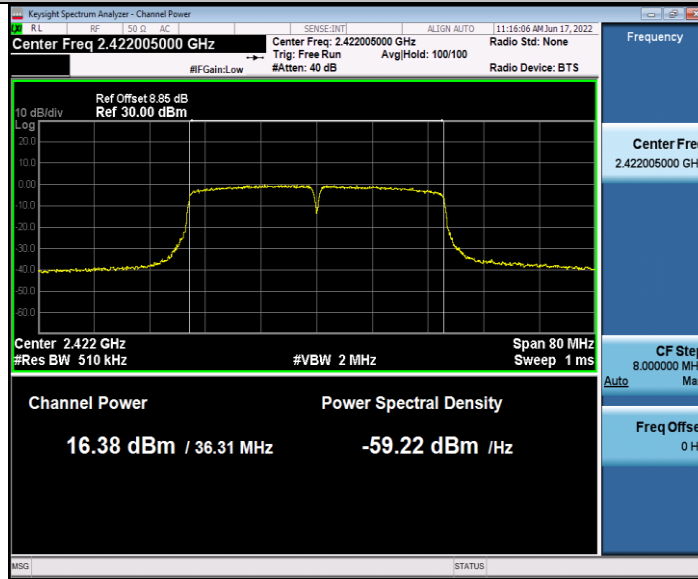
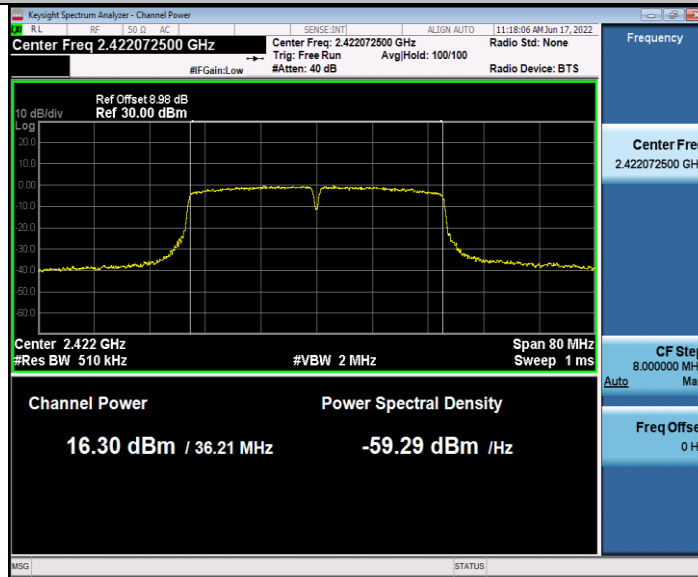


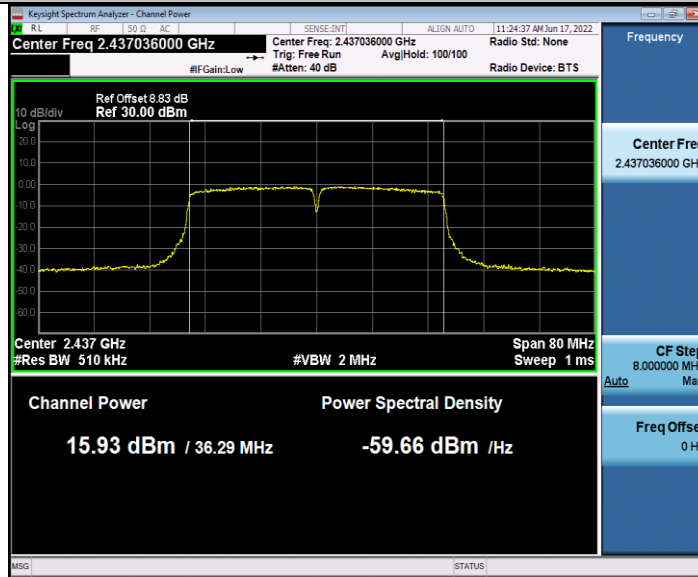
11N40MIMO_Ant1_2422



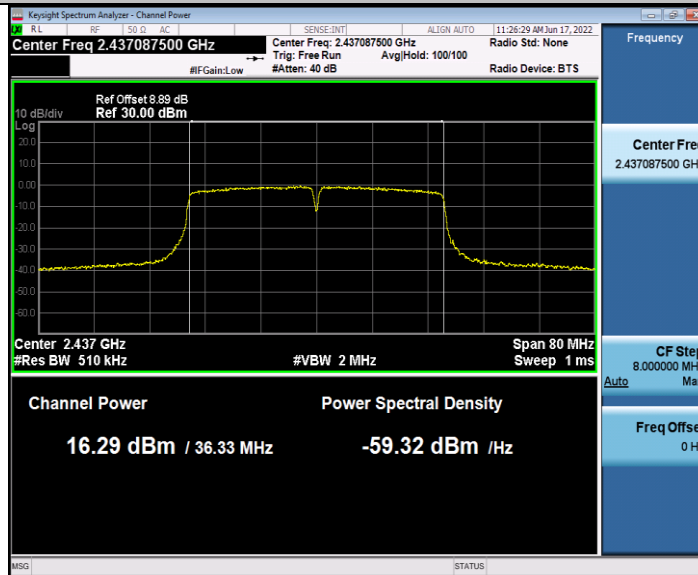
11N40MIMO_Ant2_2422



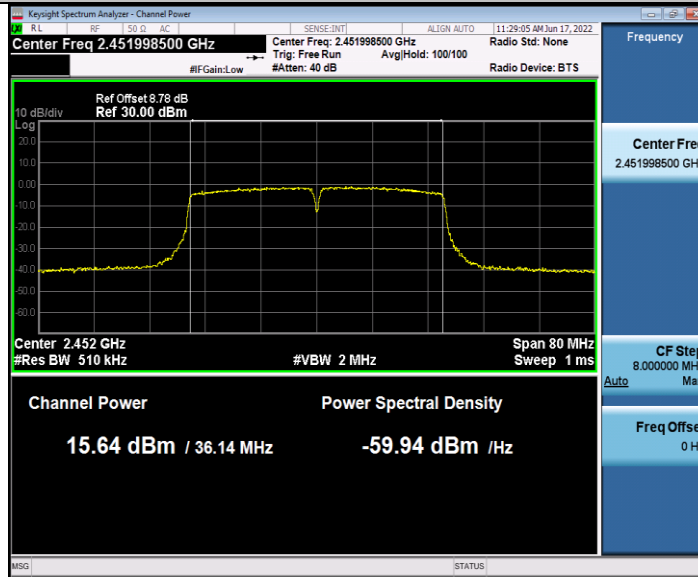
11N40MIMO_Ant1_2437



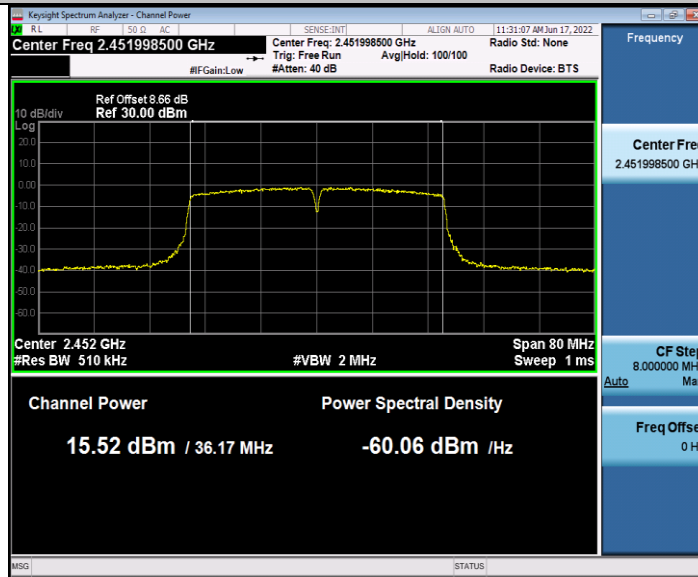
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



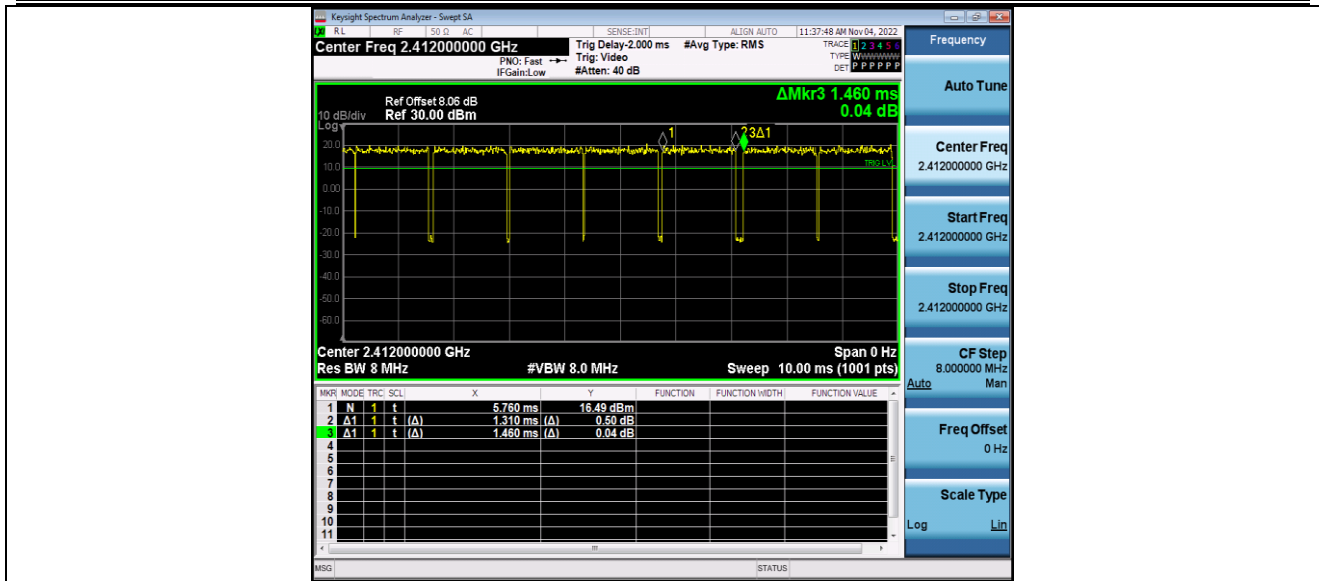
Appendix D: Duty Cycle

Test Result

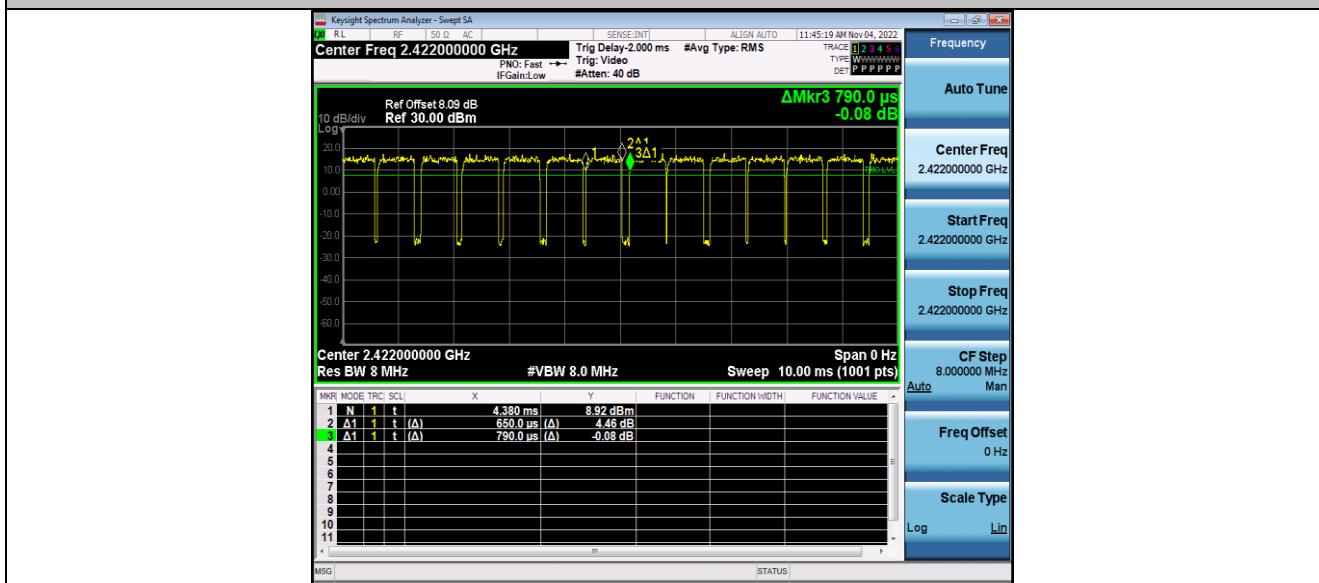
| TestMode | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11B | Ant1 | 2412 | 8.40 | 8.48 | 99.06 | --- | --- |
| 11G-CDD | Ant1 | 2412 | 1.39 | 1.55 | 89.68 | --- | --- |
| 11N20MIMO | Ant1 | 2412 | 1.31 | 1.46 | 89.73 | --- | --- |
| 11N40MIMO | Ant1 | 2422 | 0.65 | 0.79 | 82.28 | --- | --- |

Test Graphs

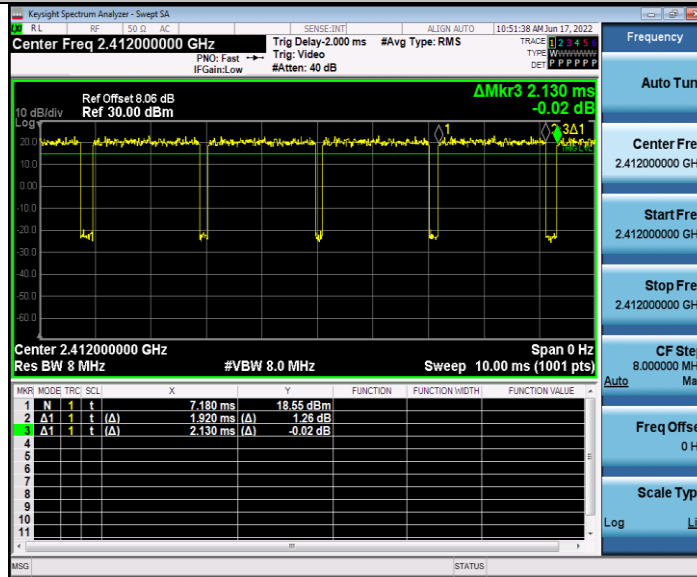




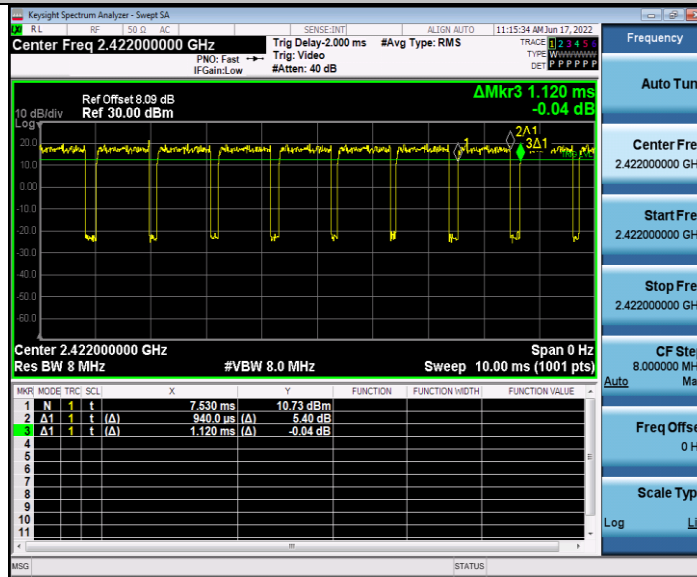
11N40MIMO_Ant1_2422



11N20MIMO_Ant1_2412



11N40MIMO_Ant1_2422



Appendix E: Maximum power spectral density

Test Result

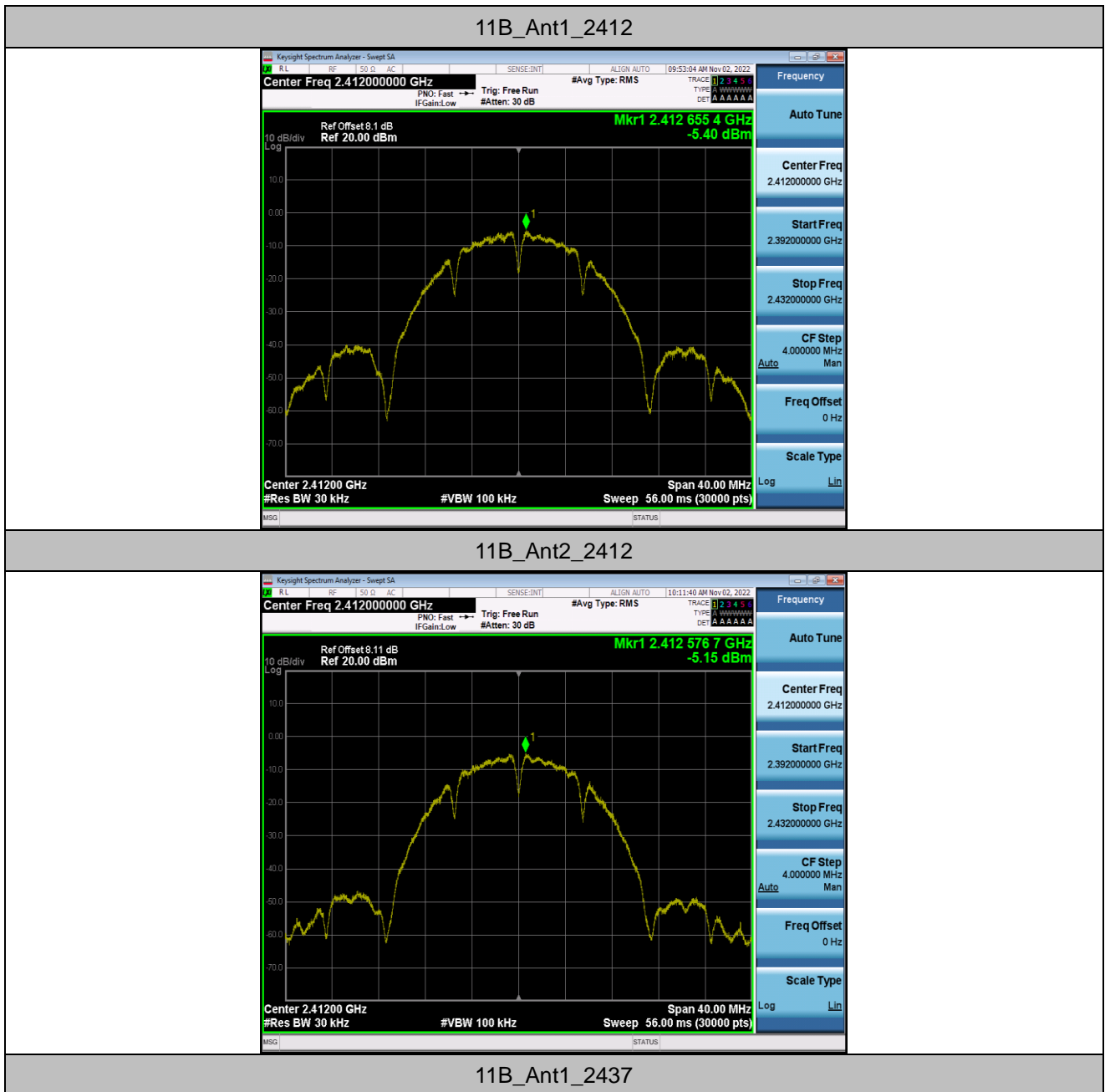
| TestMode | Antenna | Channel | Duty Cycle [%] | Duty Cycle Factor (dB) | Result [dBm/30kHz] | Result [dBm/3kHz] | Limit [dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------|------------------------|--------------------|-------------------|------------------|---------|
| 11B | Ant1 | 2412 | 99.06 | 0.04 | -5.4 | -15.4 | ≤8.00 | PASS |
| | Ant2 | 2412 | 99.06 | 0.04 | -5.15 | -15.15 | ≤8.00 | PASS |
| | Ant1 | 2437 | 99.06 | 0.04 | -5.83 | -15.83 | ≤8.00 | PASS |
| | Ant2 | 2437 | 99.06 | 0.04 | -5.19 | -15.19 | ≤8.00 | PASS |
| | Ant1 | 2462 | 99.06 | 0.04 | -5.36 | -15.36 | ≤8.00 | PASS |
| | Ant2 | 2462 | 99.06 | 0.04 | -5.24 | -15.24 | ≤8.00 | PASS |
| 11G-CDD | Ant1 | 2412 | 89.68 | 0.47 | -10.11 | -20.11 | ≤8.00 | PASS |
| | Ant2 | 2412 | 89.68 | 0.47 | -8.77 | -18.77 | ≤8.00 | PASS |
| | total | 2412 | 89.68 | 0.47 | -6.38 | -16.38 | ≤8.00 | PASS |
| | Ant1 | 2437 | 89.68 | 0.47 | -10.46 | -20.46 | ≤8.00 | PASS |
| | Ant2 | 2437 | 89.68 | 0.47 | -9.66 | -19.66 | ≤8.00 | PASS |
| | total | 2437 | 89.68 | 0.47 | -7.03 | -17.03 | ≤8.00 | PASS |
| | Ant1 | 2462 | 89.68 | 0.47 | -10.35 | -20.35 | ≤8.00 | PASS |
| | Ant2 | 2462 | 89.68 | 0.47 | -9.19 | -19.19 | ≤8.00 | PASS |
| | total | 2462 | 89.68 | 0.47 | -6.72 | -16.72 | ≤8.00 | PASS |
| 11N20MIMO | Ant1 | 2412 | 89.73 | 0.47 | -9.82 | -19.82 | ≤8.00 | PASS |
| | Ant2 | 2412 | 89.73 | 0.47 | -9.04 | -19.04 | ≤8.00 | PASS |
| | total | 2412 | 89.73 | 0.47 | -6.4 | -16.4 | ≤8.00 | PASS |
| | Ant1 | 2437 | 89.73 | 0.47 | -9.34 | -19.34 | ≤8.00 | PASS |
| | Ant2 | 2437 | 89.73 | 0.47 | -8.7 | -18.7 | ≤8.00 | PASS |
| | total | 2437 | 89.73 | 0.47 | -6 | -16 | ≤8.00 | PASS |
| | Ant1 | 2462 | 89.73 | 0.47 | -10.01 | -20.01 | ≤8.00 | PASS |
| | Ant2 | 2462 | 89.73 | 0.47 | -8.79 | -18.79 | ≤8.00 | PASS |
| | total | 2462 | 89.73 | 0.47 | -6.35 | -16.35 | ≤8.00 | PASS |
| 11N40MIMO | Ant1 | 2422 | 82.28 | 0.85 | -12.78 | -22.78 | ≤8.00 | PASS |
| | Ant2 | 2422 | 82.28 | 0.85 | -11.95 | -21.95 | ≤8.00 | PASS |
| | total | 2422 | 82.28 | 0.85 | -9.33 | -19.33 | ≤8.00 | PASS |

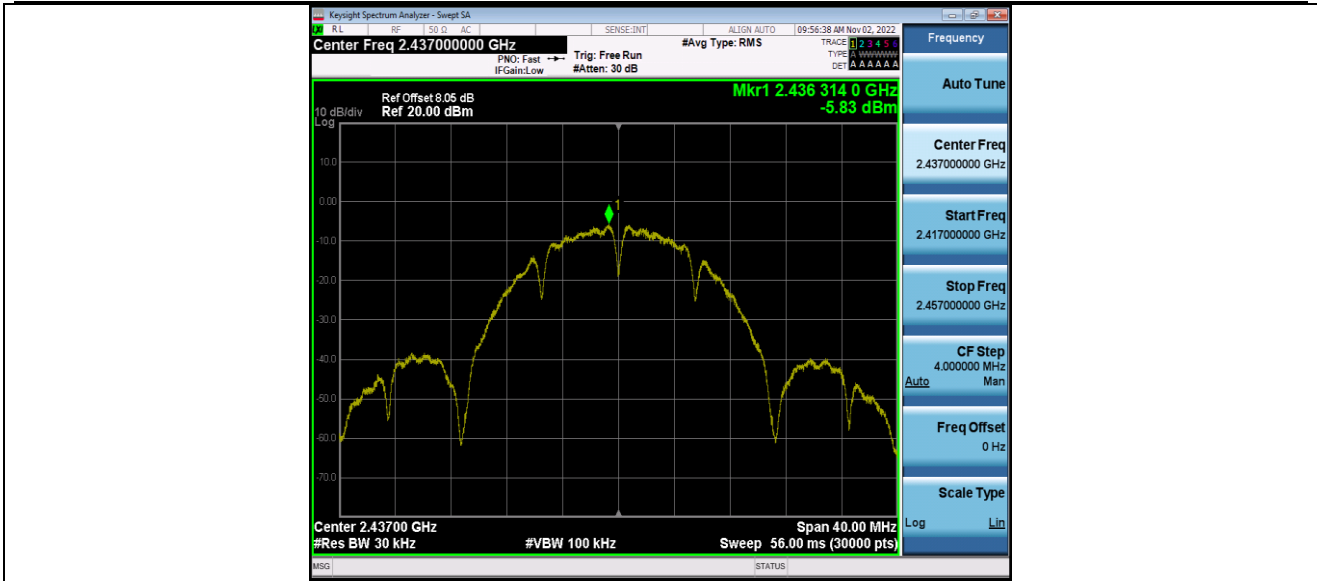
| | | | | | | | | |
|--|-------|------|-------|------|--------|--------|-------|------|
| | Ant1 | 2437 | 82.28 | 0.85 | -13.07 | -23.07 | ≤8.00 | PASS |
| | Ant2 | 2437 | 82.28 | 0.85 | -11.8 | -21.8 | ≤8.00 | PASS |
| | total | 2437 | 82.28 | 0.85 | -9.38 | -19.38 | ≤8.00 | PASS |
| | Ant1 | 2452 | 82.28 | 0.85 | -12.95 | -22.95 | ≤8.00 | PASS |
| | Ant2 | 2452 | 82.28 | 0.85 | -11.88 | -21.88 | ≤8.00 | PASS |
| | total | 2452 | 82.28 | 0.85 | -9.37 | -19.37 | ≤8.00 | PASS |

Note : The Duty Cycle Factor is compensated in the graph.

Result[dBm/3kHz]= Result[dBm/30kHz]-10*log₁₀(30/3)

Test Graphs

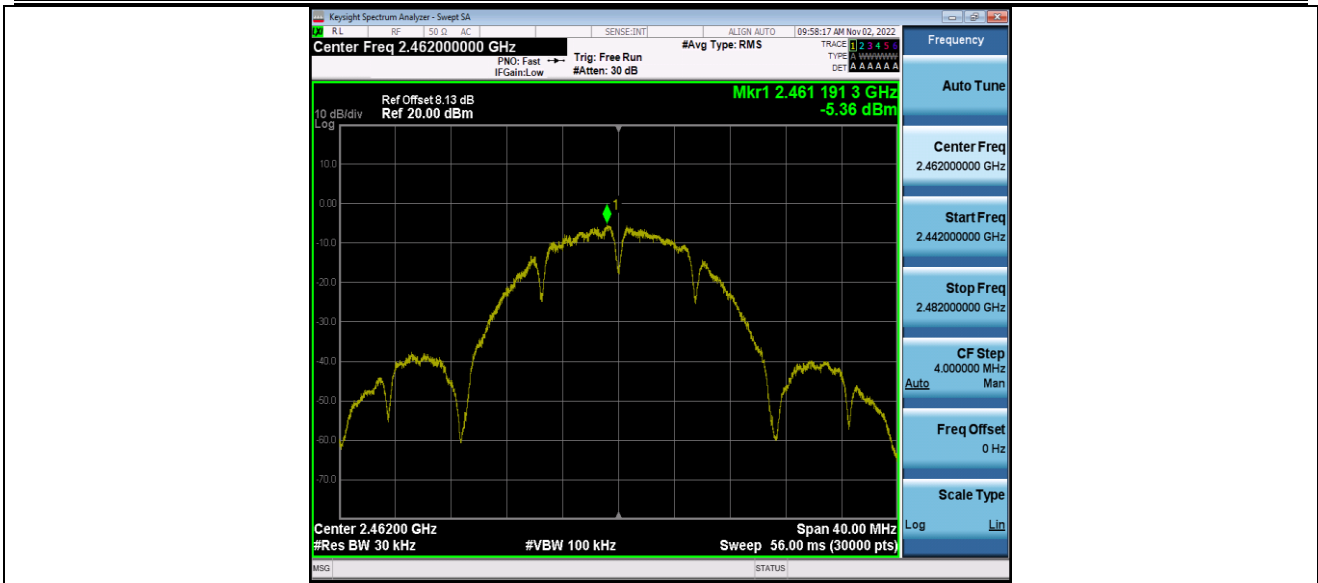




11B_Ant2_2437



11B_Ant1_2462



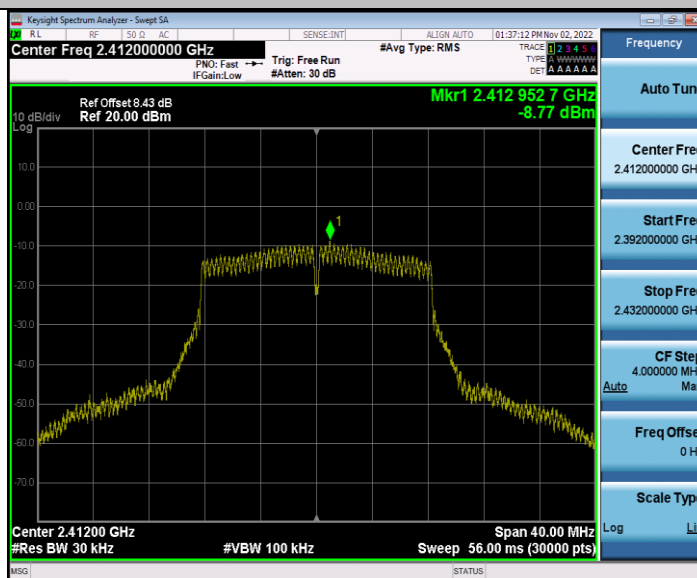
11B_Ant2_2462



11G-CDD_Ant1_2412



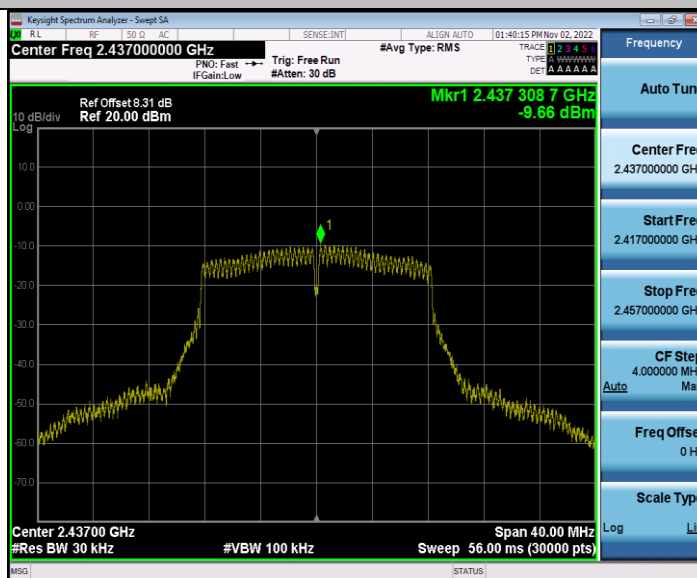
11G-CDD_Ant2_2412



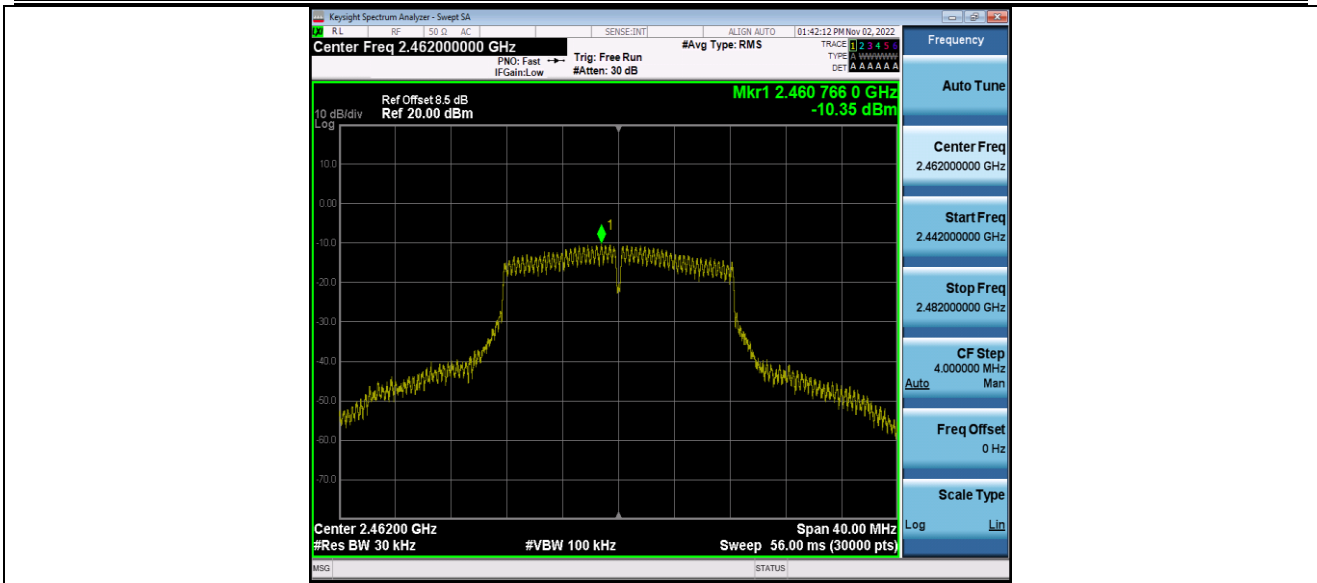
11G-CDD_Ant1_2437



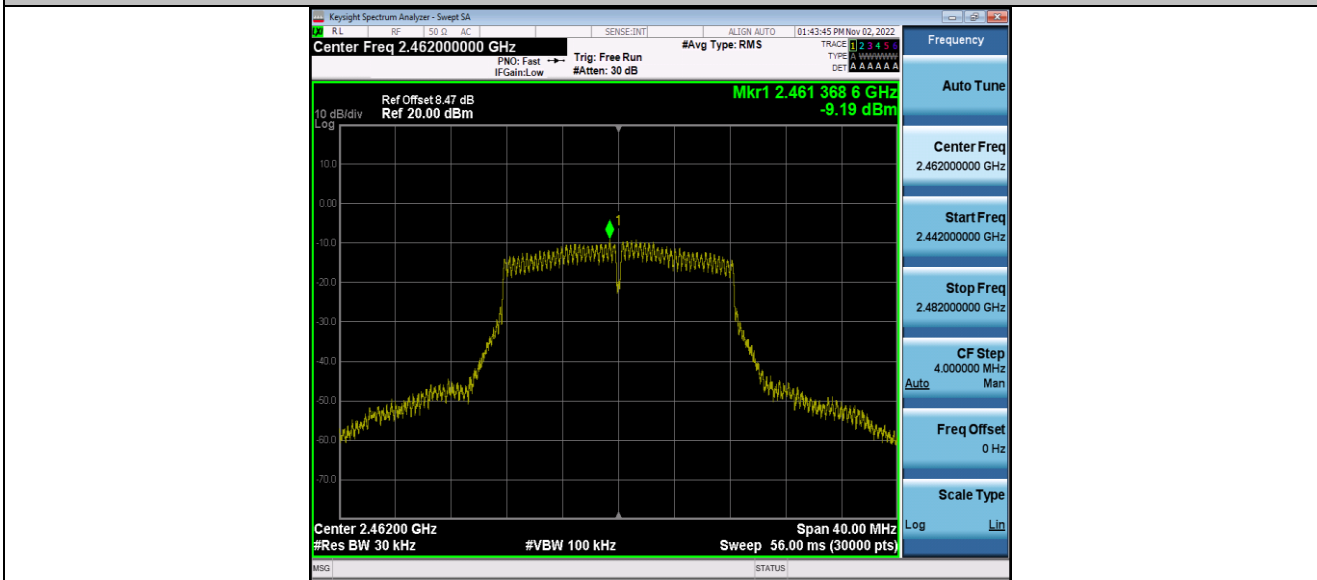
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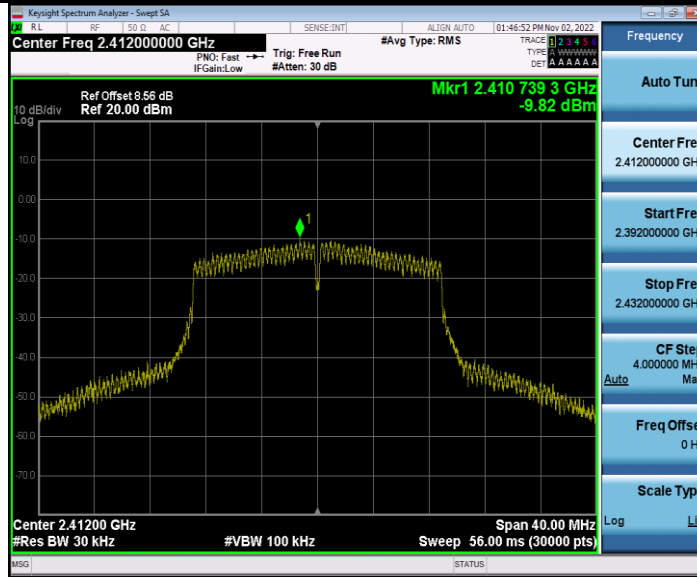
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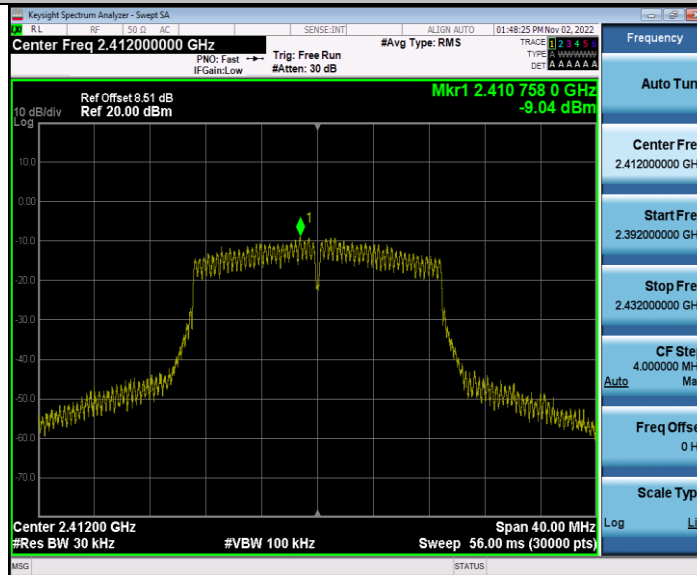
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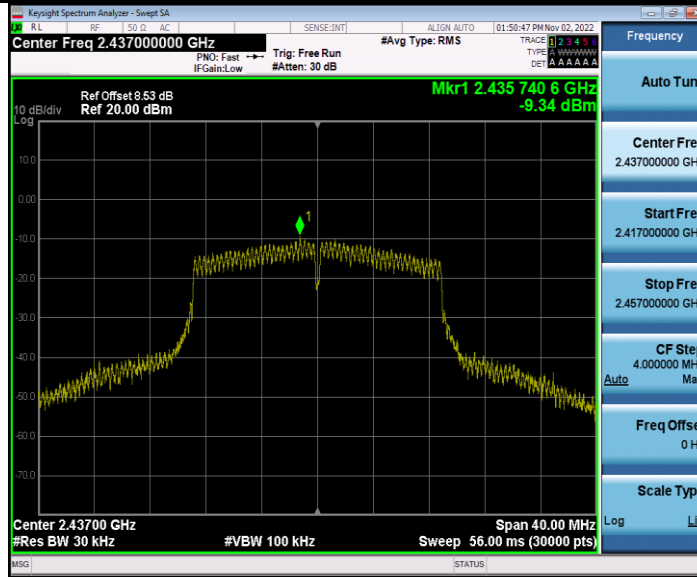
11N20MIMO_Ant1_2412



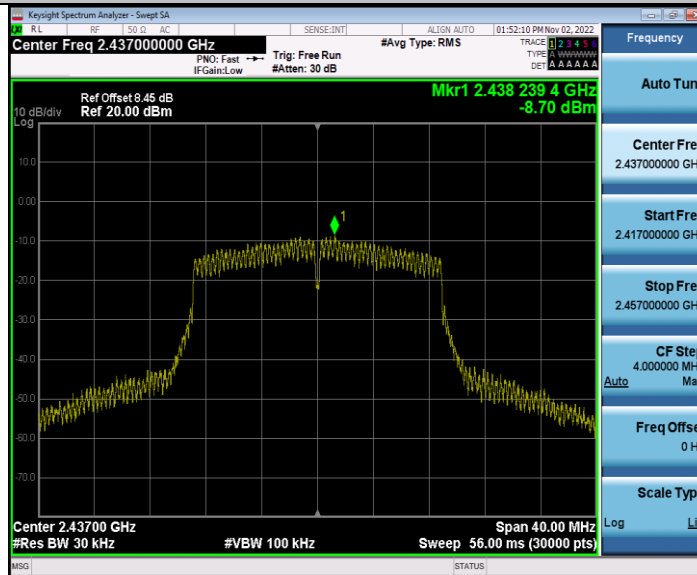
11N20MIMO_Ant2_2412



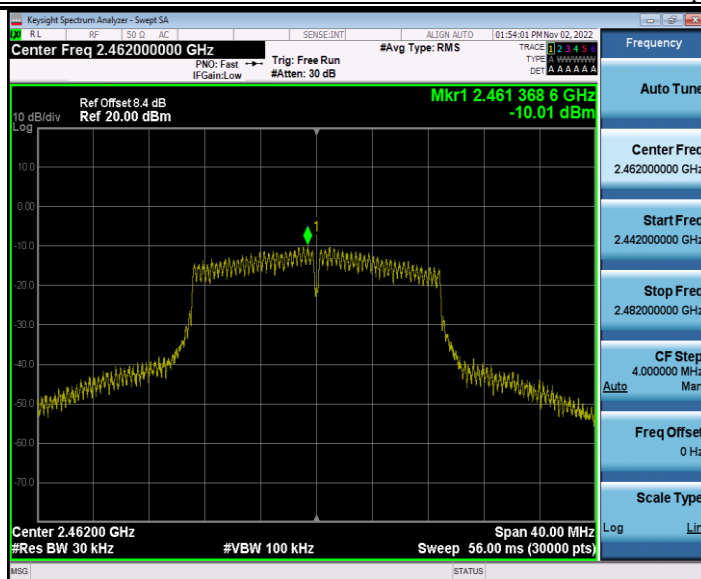
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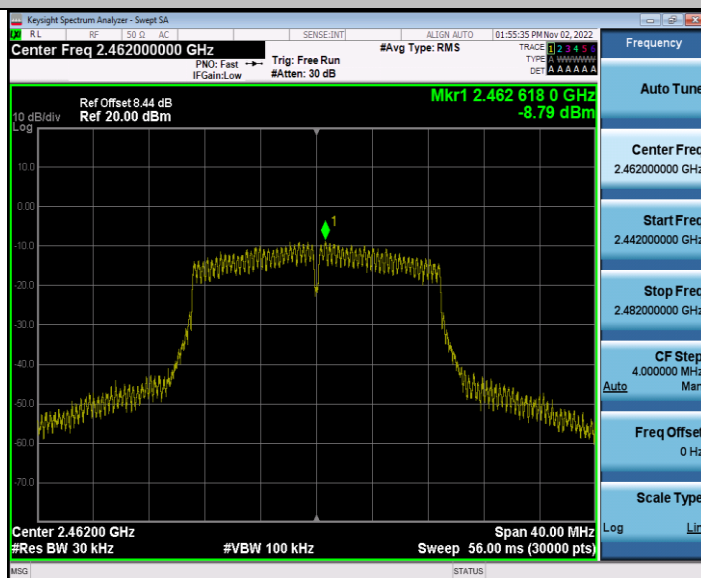
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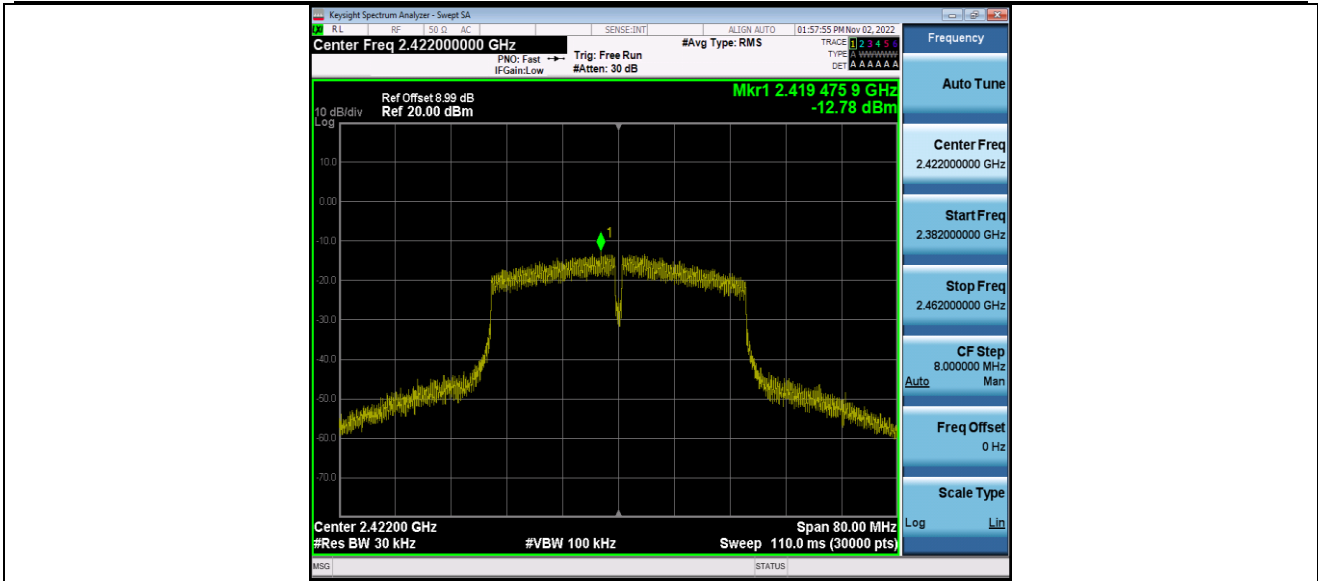
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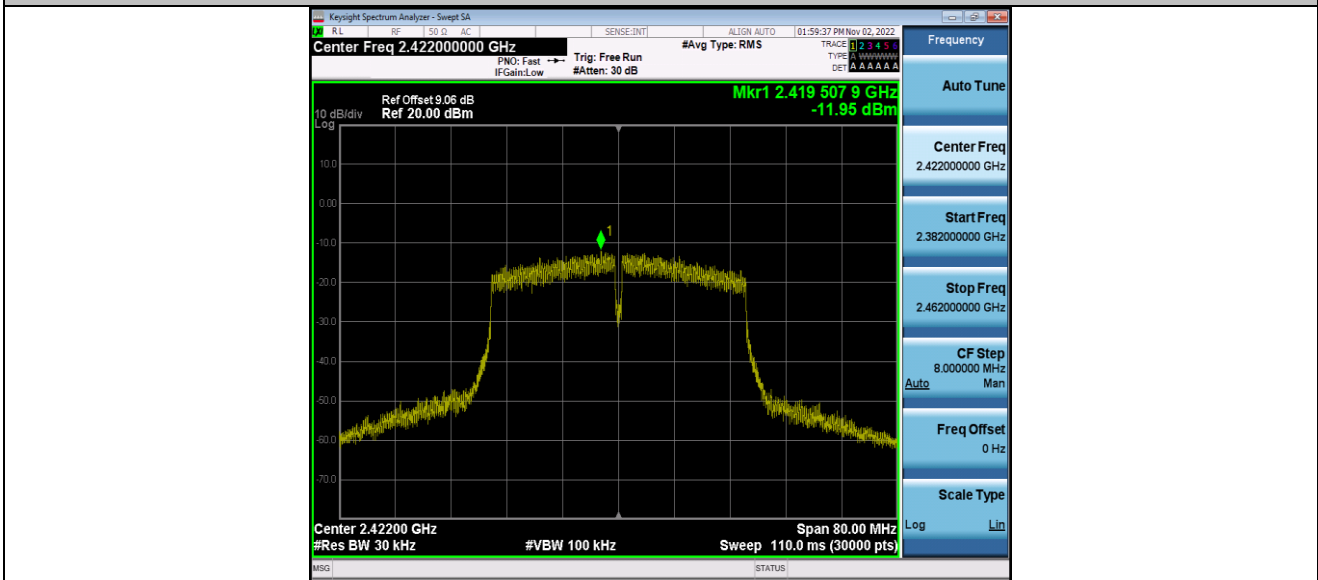
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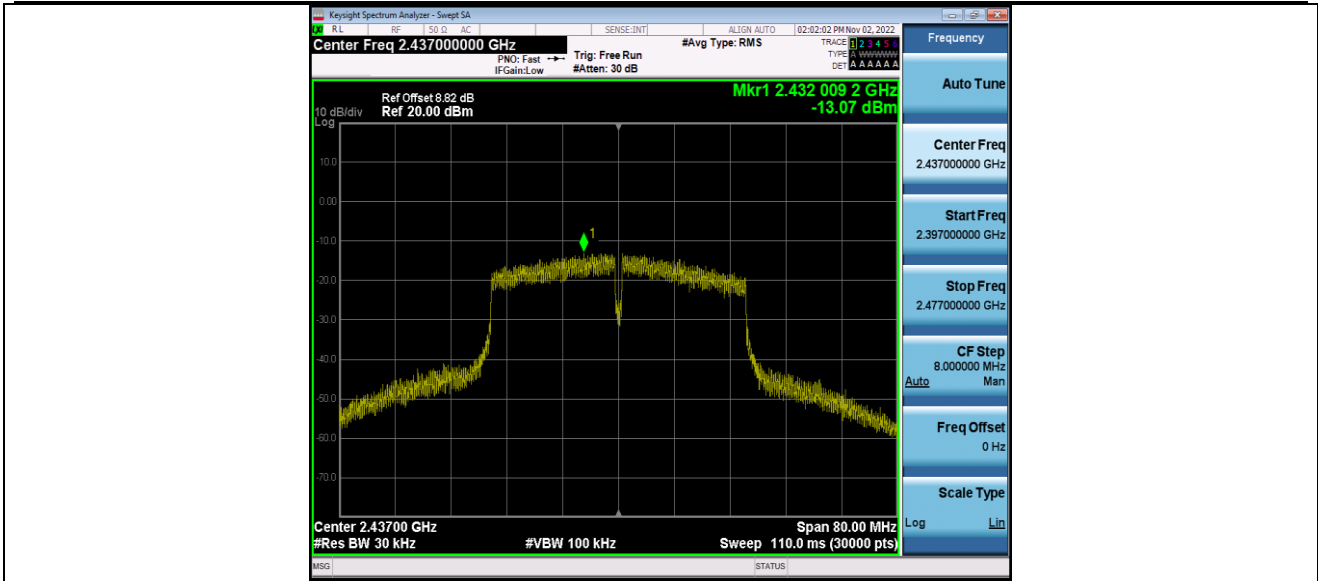
11N40MIMO_Ant1_2422



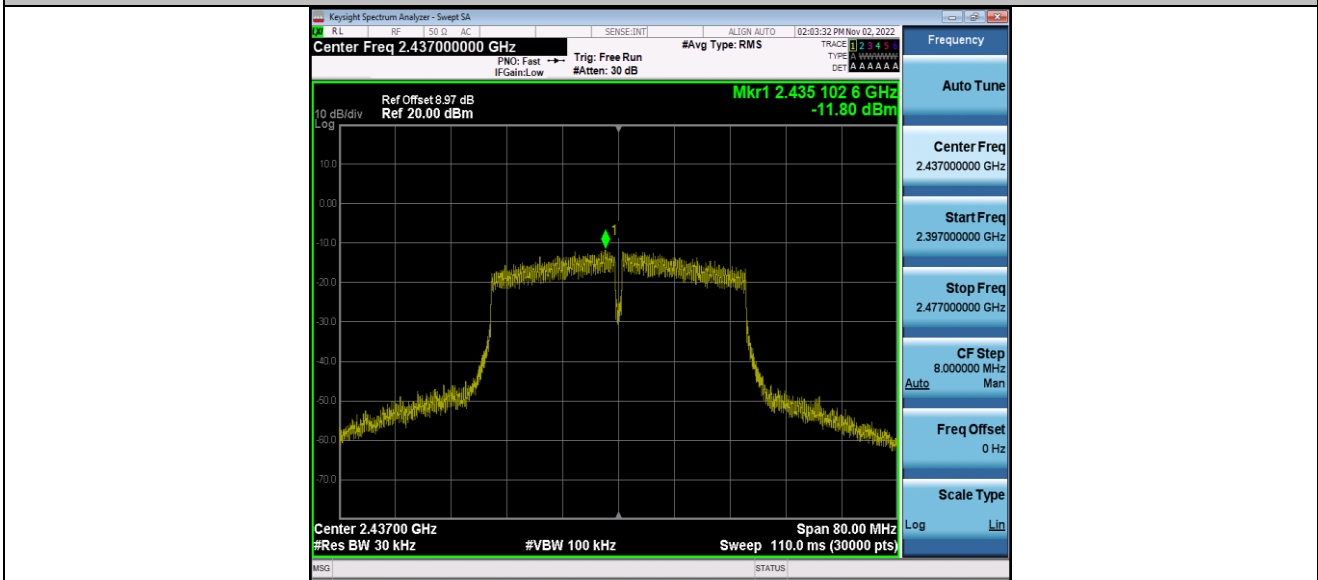
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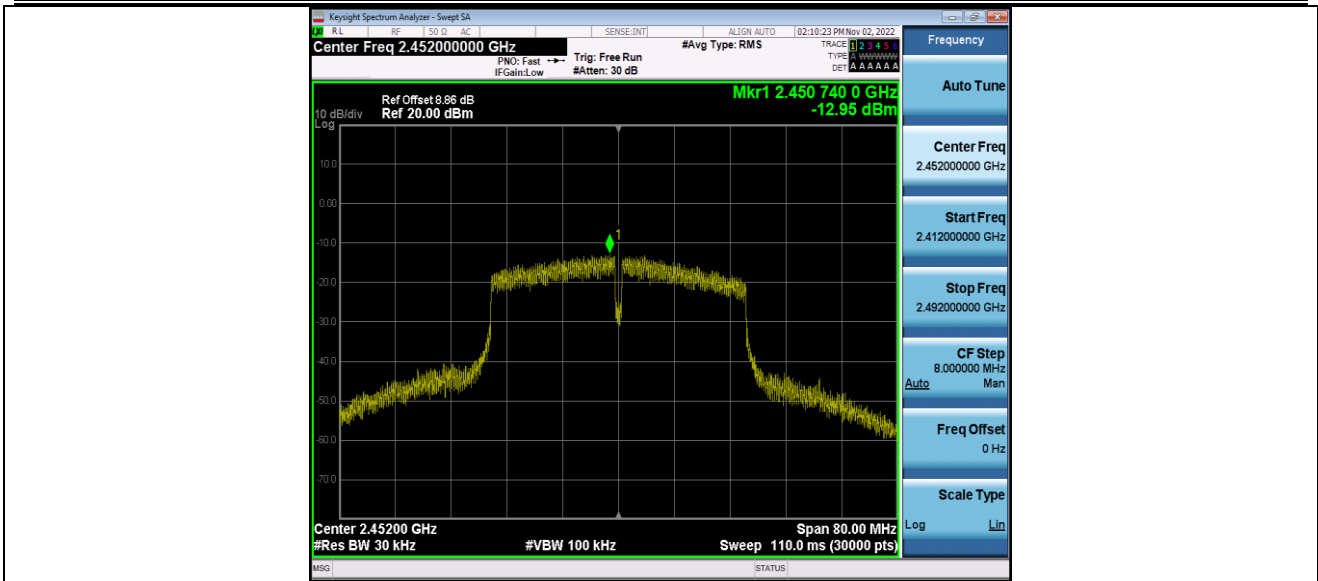
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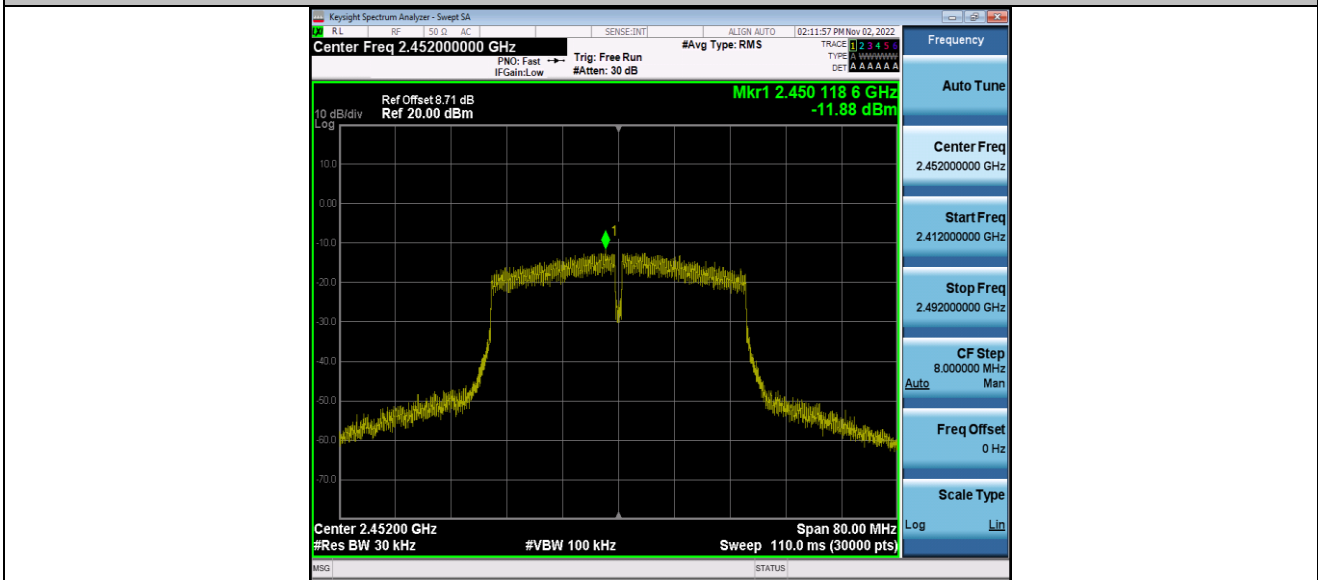
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



11B_Ant1_2437



11B_Ant2_2437



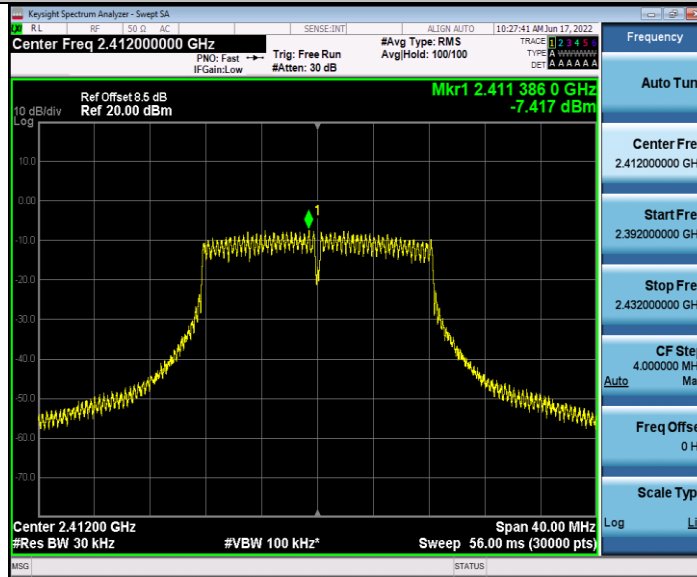
11B_Ant1_2462



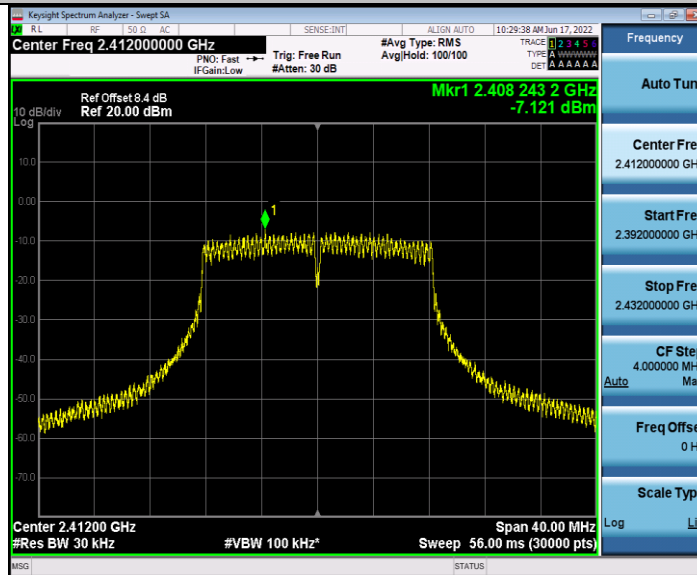
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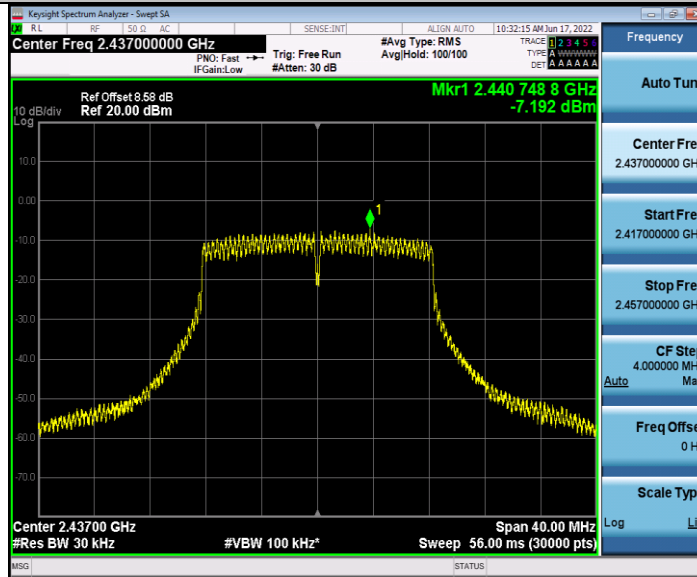
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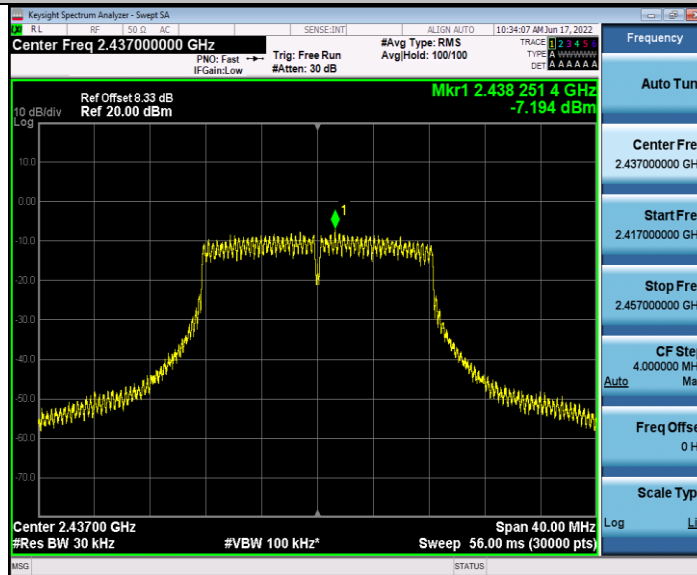
11G-CDD_Ant2_2412



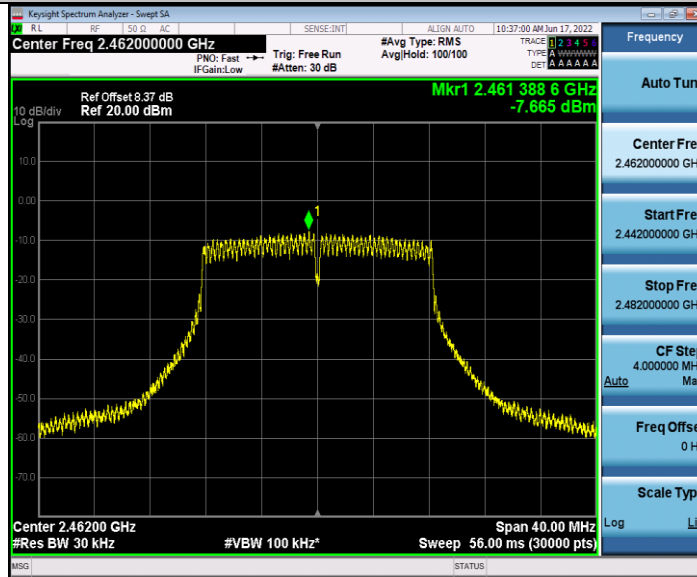
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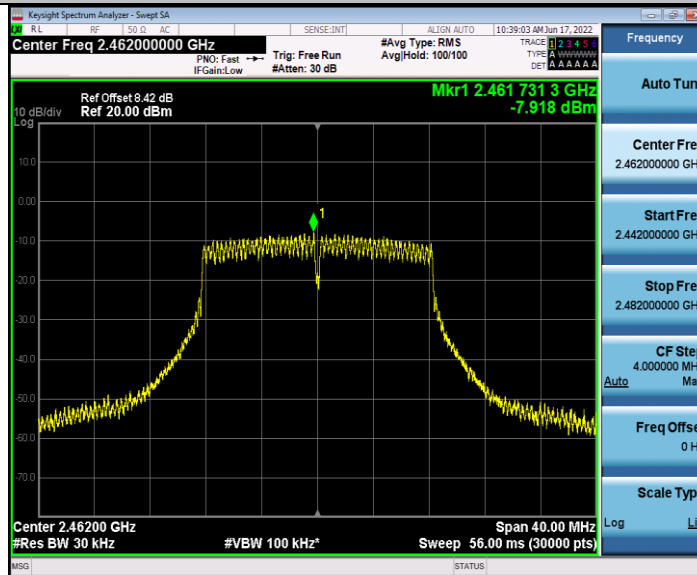
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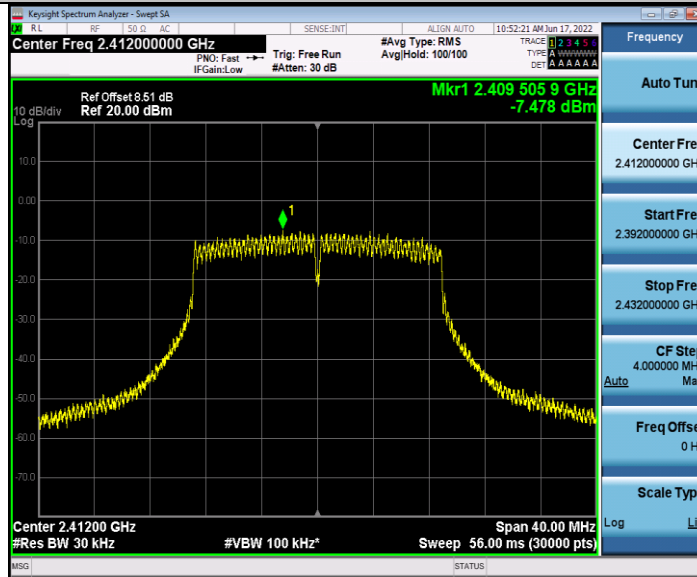
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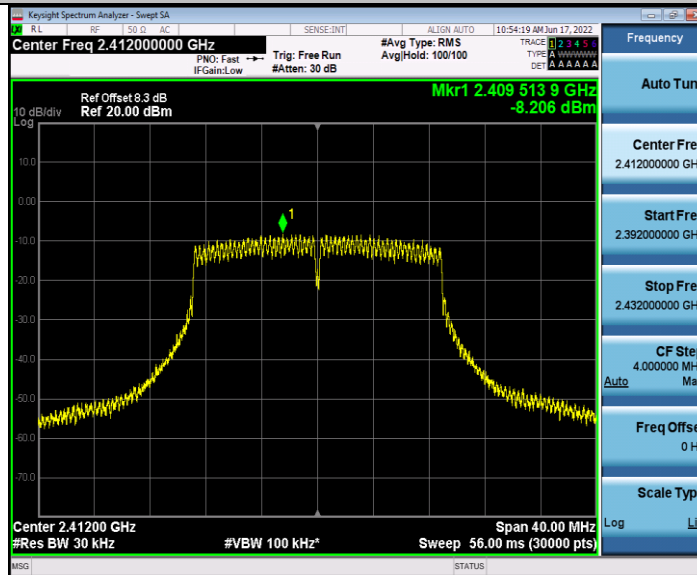
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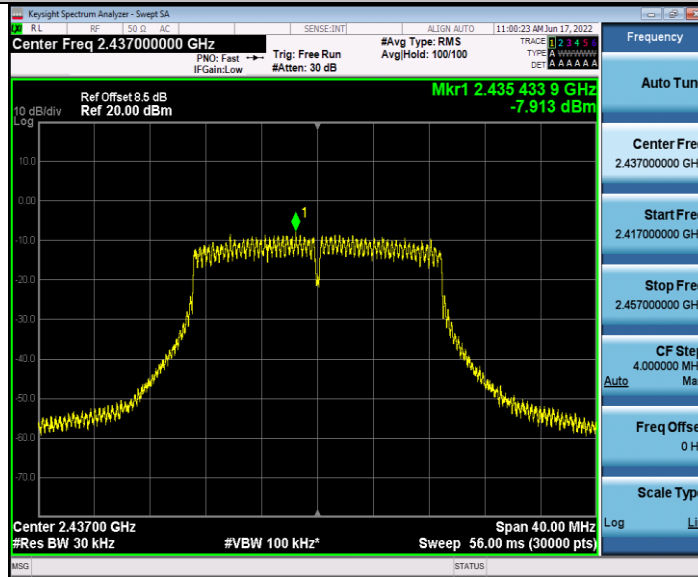
11N20MIMO_Ant1_2412



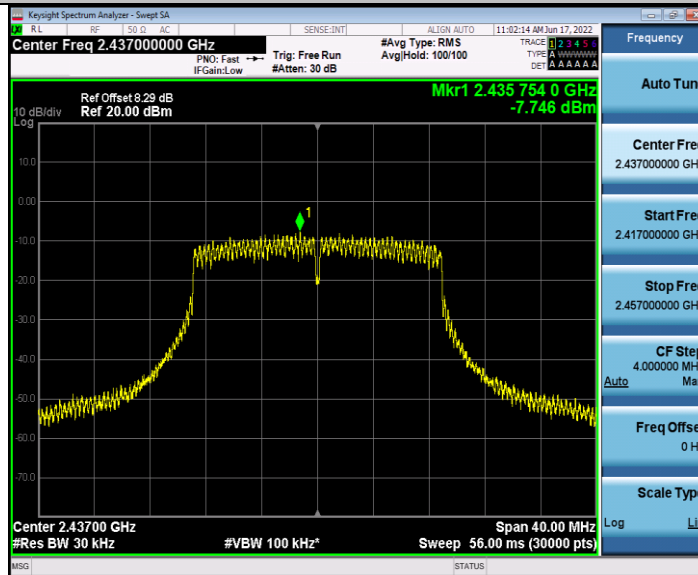
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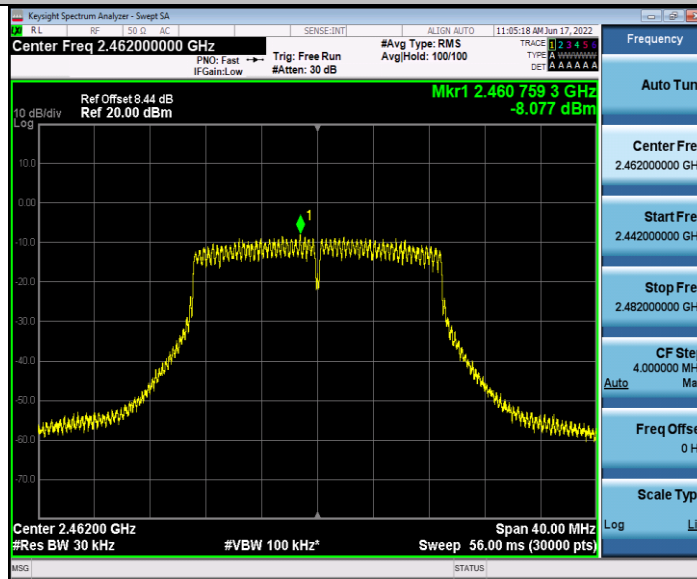
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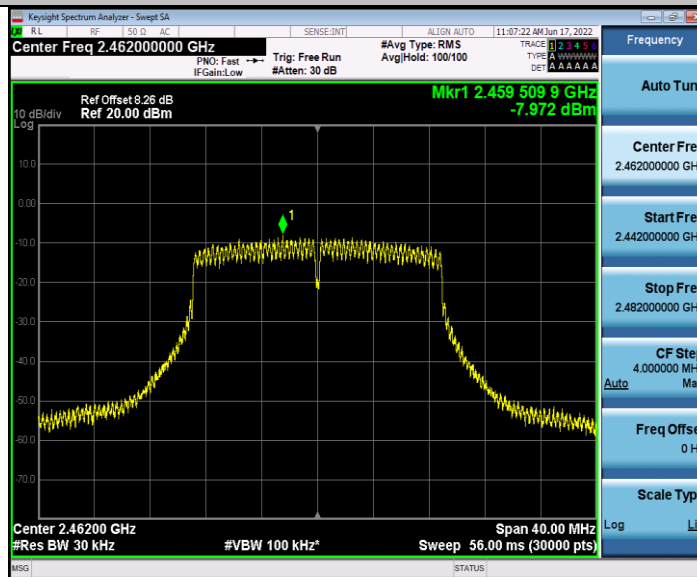
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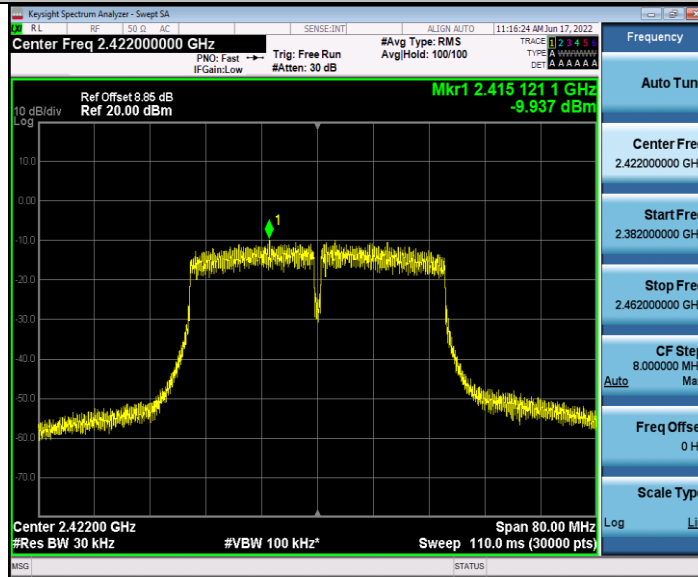
11N20MIMO_Ant1_2462



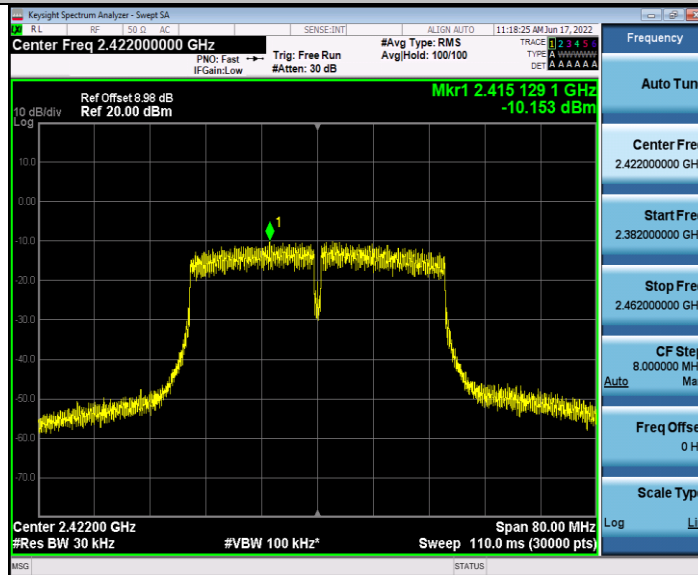
11N20MIMO_Ant2_2462



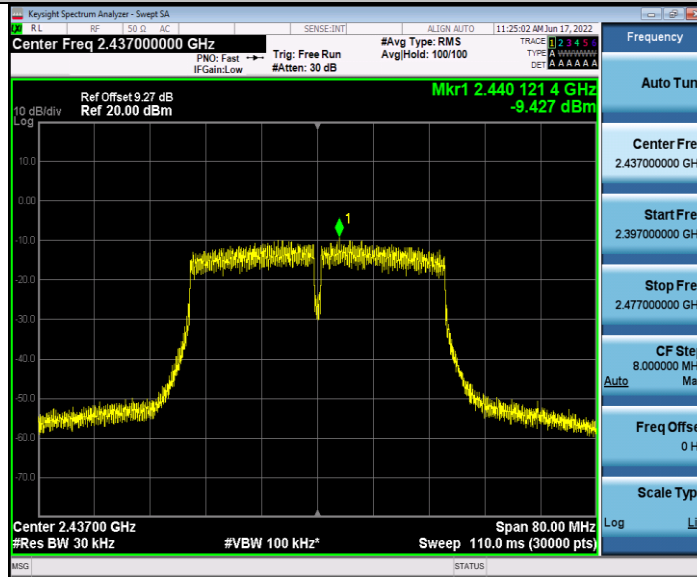
11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437

