

AppendixC: Maximum conducted output power

Test Result

| Test Mode | Antenna | Frequency[MHz] | Rate | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|-------|-----------------|----------------------|---------|
| 11B | Ant1 | 2412 | 1Mbps | 14.27 | ≤30.00 | PASS |
| 11B | Ant2 | 2412 | 1Mbps | 14.08 | ≤30.00 | PASS |
| 11B | Ant1 | 2437 | 1Mbps | 13.98 | ≤30.00 | PASS |
| 11B | Ant2 | 2437 | 1Mbps | 14.00 | ≤30.00 | PASS |
| 11B | Ant1 | 2462 | 1Mbps | 14.12 | ≤30.00 | PASS |
| 11B | Ant2 | 2462 | 1Mbps | 13.79 | ≤30.00 | PASS |
| 11G | Ant1 | 2412 | 6Mbps | 14.12 | ≤30.00 | PASS |
| 11G | Ant2 | 2412 | 6Mbps | 14.61 | ≤30.00 | PASS |
| 11G | Ant1 | 2437 | 6Mbps | 13.79 | ≤30.00 | PASS |
| 11G | Ant2 | 2437 | 6Mbps | 14.44 | ≤30.00 | PASS |
| 11G | Ant1 | 2462 | 6Mbps | 13.88 | ≤30.00 | PASS |
| 11G | Ant2 | 2462 | 6Mbps | 14.24 | ≤30.00 | PASS |
| 11N20SISO | Ant1 | 2412 | MCS0 | 14.23 | ≤30.00 | PASS |
| 11N20SISO | Ant2 | 2412 | MCS0 | 14.63 | ≤30.00 | PASS |
| 11N20SISO | Ant1 | 2437 | MCS0 | 13.32 | ≤30.00 | PASS |
| 11N20SISO | Ant2 | 2437 | MCS0 | 13.98 | ≤30.00 | PASS |
| 11N20SISO | Ant1 | 2462 | MCS0 | 13.68 | ≤30.00 | PASS |
| 11N20SISO | Ant2 | 2462 | MCS0 | 13.78 | ≤30.00 | PASS |
| 11N40SISO | Ant1 | 2422 | MCS0 | 14.34 | ≤30.00 | PASS |
| 11N40SISO | Ant2 | 2422 | MCS0 | 15.00 | ≤30.00 | PASS |
| 11N40SISO | Ant1 | 2437 | MCS0 | 13.67 | ≤30.00 | PASS |
| 11N40SISO | Ant2 | 2437 | MCS0 | 14.55 | ≤30.00 | PASS |
| 11N40SISO | Ant1 | 2452 | MCS0 | 13.82 | ≤30.00 | PASS |
| 11N40SISO | Ant2 | 2452 | MCS0 | 14.55 | ≤30.00 | PASS |
| 11N20MIMO | Ant1 | 2412 | MCS0 | 10.23 | ≤30.00 | PASS |
| 11N20MIMO | Ant2 | 2412 | MCS0 | 18.70 | ≤30.00 | PASS |
| 11N20MIMO | total | 2412 | MCS0 | 19.28 | ≤30.00 | PASS |
| 11N20MIMO | Ant1 | 2437 | MCS0 | 9.20 | ≤30.00 | PASS |
| 11N20MIMO | Ant2 | 2437 | MCS0 | 18.48 | ≤30.00 | PASS |
| 11N20MIMO | total | 2437 | MCS0 | 18.96 | ≤30.00 | PASS |
| 11N20MIMO | Ant1 | 2462 | MCS0 | 15.31 | ≤30.00 | PASS |
| 11N20MIMO | Ant2 | 2462 | MCS0 | 15.28 | ≤30.00 | PASS |
| 11N20MIMO | total | 2462 | MCS0 | 18.31 | ≤30.00 | PASS |
| 11N40MIMO | Ant1 | 2422 | MCS0 | 15.89 | ≤30.00 | PASS |
| 11N40MIMO | Ant2 | 2422 | MCS0 | 15.91 | ≤30.00 | PASS |
| 11N40MIMO | total | 2422 | MCS0 | 18.91 | ≤30.00 | PASS |
| 11N40MIMO | Ant1 | 2437 | MCS0 | 15.19 | ≤30.00 | PASS |
| 11N40MIMO | Ant2 | 2437 | MCS0 | 15.43 | ≤30.00 | PASS |
| 11N40MIMO | total | 2437 | MCS0 | 18.32 | ≤30.00 | PASS |

| | | | | | | |
|-----------|-------|------|------|-------|--------|------|
| 11N40MIMO | Ant1 | 2452 | MCS0 | 15.14 | ≤30.00 | PASS |
| 11N40MIMO | Ant2 | 2452 | MCS0 | 14.89 | ≤30.00 | PASS |
| 11N40MIMO | total | 2452 | MCS0 | 18.03 | ≤30.00 | PASS |

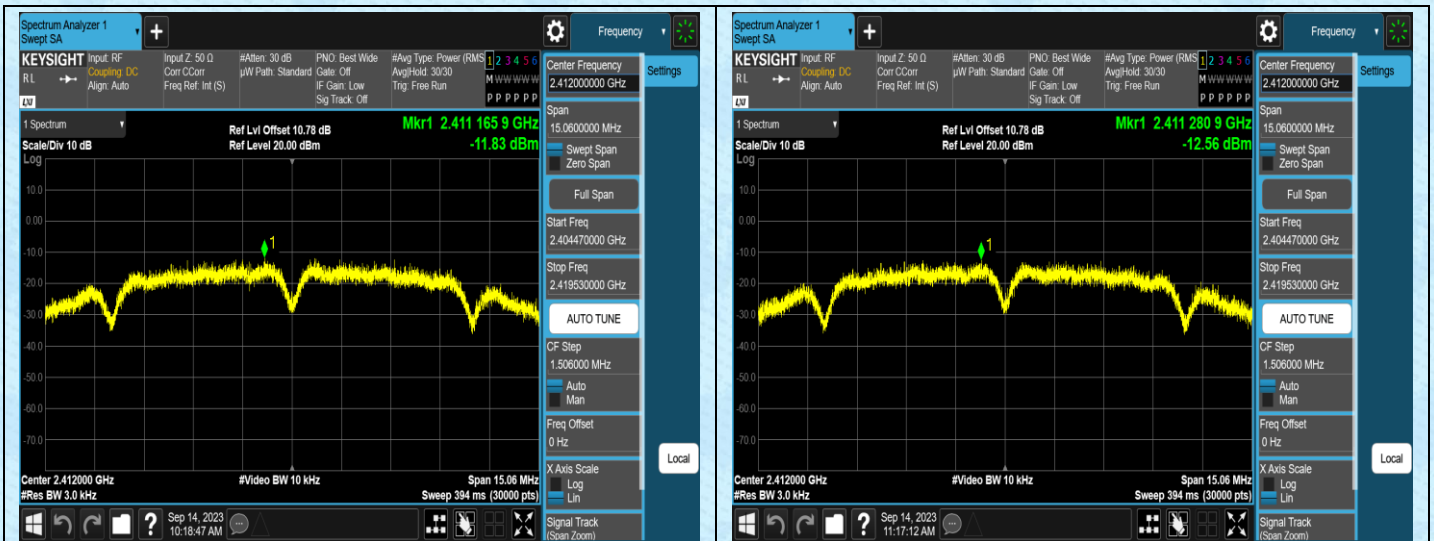
AppendixD: Maximum power spectral density

Test Result

| Test Mode | Antenna | Frequency[MHz] | Rate | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|-------|----------------------|-----------------|---------|
| 11B | Ant1 | 2412 | 1Mbps | -11.83 | ≤8.00 | PASS |
| 11B | Ant2 | 2412 | 1Mbps | -12.56 | ≤8.00 | PASS |
| 11B | Ant1 | 2437 | 1Mbps | -10.91 | ≤8.00 | PASS |
| 11B | Ant2 | 2437 | 1Mbps | -11.94 | ≤8.00 | PASS |
| 11B | Ant1 | 2462 | 1Mbps | -12.21 | ≤8.00 | PASS |
| 11B | Ant2 | 2462 | 1Mbps | -12.92 | ≤8.00 | PASS |
| 11G | Ant1 | 2412 | 6Mbps | -18.07 | ≤8.00 | PASS |
| 11G | Ant2 | 2412 | 6Mbps | -17.52 | ≤8.00 | PASS |
| 11G | Ant1 | 2437 | 6Mbps | -18.61 | ≤8.00 | PASS |
| 11G | Ant2 | 2437 | 6Mbps | -17.72 | ≤8.00 | PASS |
| 11G | Ant1 | 2462 | 6Mbps | -18.51 | ≤8.00 | PASS |
| 11G | Ant2 | 2462 | 6Mbps | -17.44 | ≤8.00 | PASS |
| 11N20SISO | Ant1 | 2412 | MCS0 | -17.64 | ≤8.00 | PASS |
| 11N20SISO | Ant2 | 2412 | MCS0 | -17.9 | ≤8.00 | PASS |
| 11N20SISO | Ant1 | 2437 | MCS0 | -19.27 | ≤8.00 | PASS |
| 11N20SISO | Ant2 | 2437 | MCS0 | -16.4 | ≤8.00 | PASS |
| 11N20SISO | Ant1 | 2462 | MCS0 | -18.4 | ≤8.00 | PASS |
| 11N20SISO | Ant2 | 2462 | MCS0 | -18.55 | ≤8.00 | PASS |
| 11N40SISO | Ant1 | 2422 | MCS0 | -21.22 | ≤8.00 | PASS |
| 11N40SISO | Ant2 | 2422 | MCS0 | -20.72 | ≤8.00 | PASS |
| 11N40SISO | Ant1 | 2437 | MCS0 | -21.19 | ≤8.00 | PASS |
| 11N40SISO | Ant2 | 2437 | MCS0 | -20.55 | ≤8.00 | PASS |
| 11N40SISO | Ant1 | 2452 | MCS0 | -21.75 | ≤8.00 | PASS |
| 11N40SISO | Ant2 | 2452 | MCS0 | -20.86 | ≤8.00 | PASS |
| 11N20MIMO | Ant1 | 2412 | MCS0 | -22.86 | ≤8.00 | PASS |
| 11N20MIMO | Ant2 | 2412 | MCS0 | -12.89 | ≤8.00 | PASS |
| 11N20MIMO | total | 2412 | MCS0 | -12.47 | ≤8.00 | PASS |
| 11N20MIMO | Ant1 | 2437 | MCS0 | -22.43 | ≤8.00 | PASS |
| 11N20MIMO | Ant2 | 2437 | MCS0 | -14 | ≤8.00 | PASS |
| 11N20MIMO | total | 2437 | MCS0 | -13.42 | ≤8.00 | PASS |
| 11N20MIMO | Ant1 | 2462 | MCS0 | -22.73 | ≤8.00 | PASS |
| 11N20MIMO | Ant2 | 2462 | MCS0 | -22.78 | ≤8.00 | PASS |
| 11N20MIMO | total | 2462 | MCS0 | -19.74 | ≤8.00 | PASS |
| 11N40MIMO | Ant1 | 2422 | MCS0 | -22.75 | ≤8.00 | PASS |
| 11N40MIMO | Ant2 | 2422 | MCS0 | -22.84 | ≤8.00 | PASS |
| 11N40MIMO | total | 2422 | MCS0 | -19.78 | ≤8.00 | PASS |
| 11N40MIMO | Ant1 | 2437 | MCS0 | -19.47 | ≤8.00 | PASS |

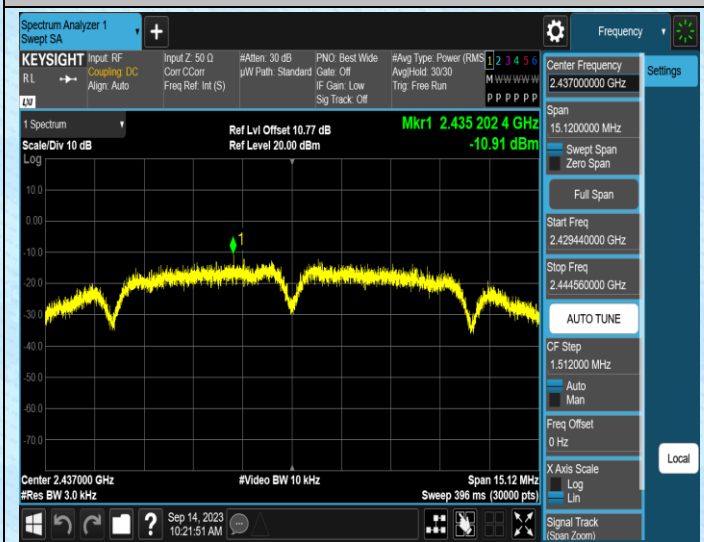
| | | | | | | |
|-----------|-------|------|------|--------|-------|------|
| 11N40MIMO | Ant2 | 2437 | MCS0 | -19.52 | ≤8.00 | PASS |
| 11N40MIMO | total | 2437 | MCS0 | -16.48 | ≤8.00 | PASS |
| 11N40MIMO | Ant1 | 2452 | MCS0 | -19.76 | ≤8.00 | PASS |
| 11N40MIMO | Ant2 | 2452 | MCS0 | -19.33 | ≤8.00 | PASS |
| 11N40MIMO | total | 2452 | MCS0 | -16.53 | ≤8.00 | PASS |

Test Graphs



11B-Ant1-2412

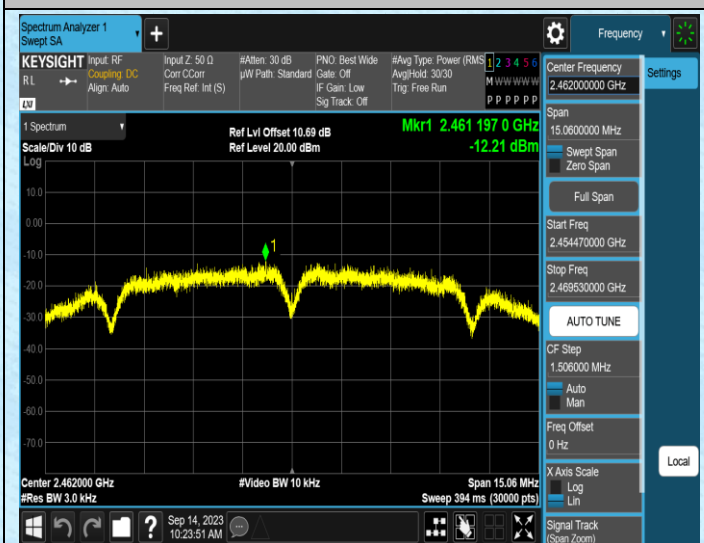
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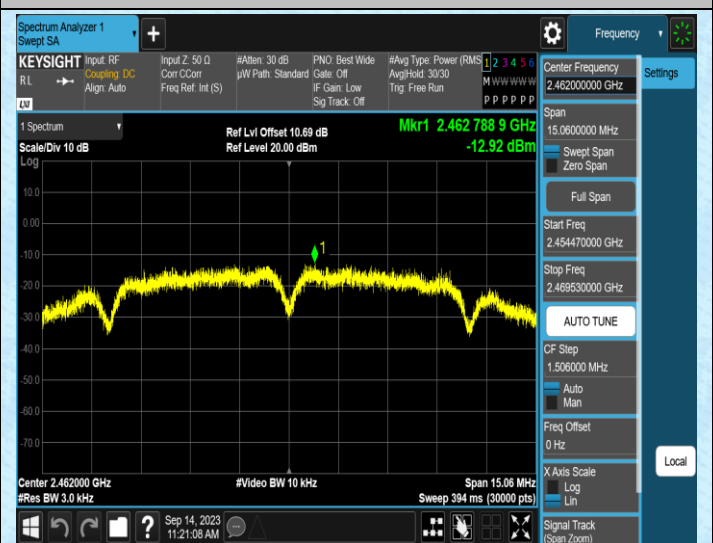
11B-Ant1-2437



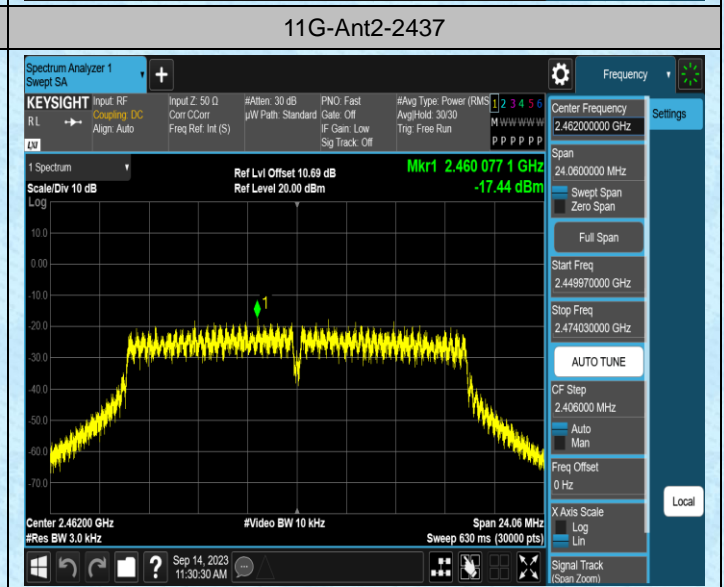
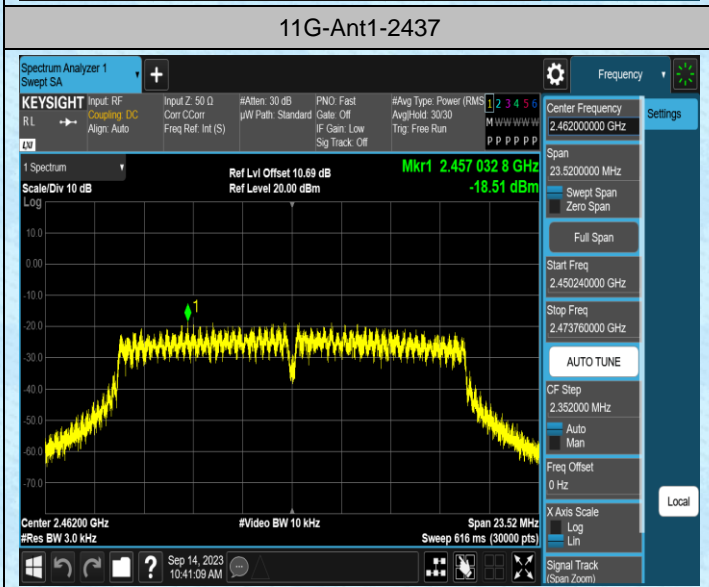
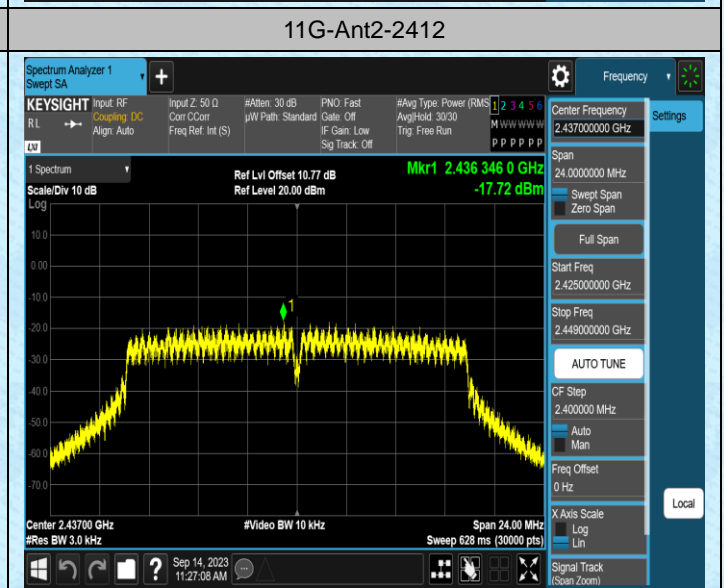
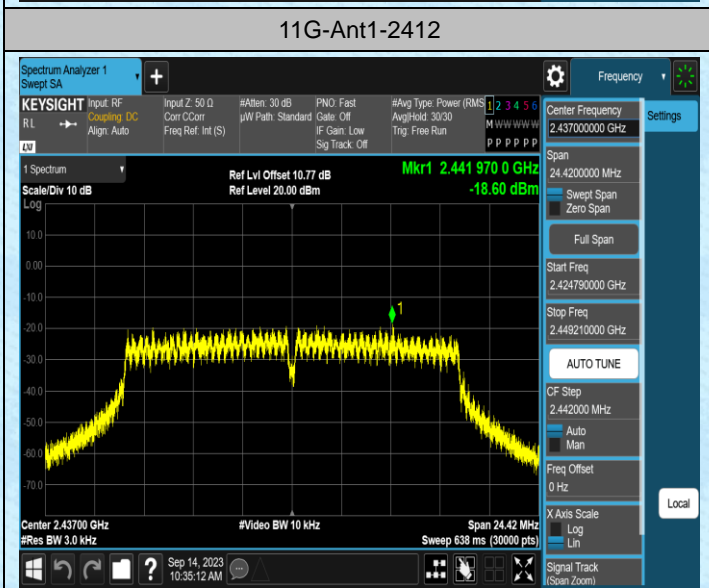
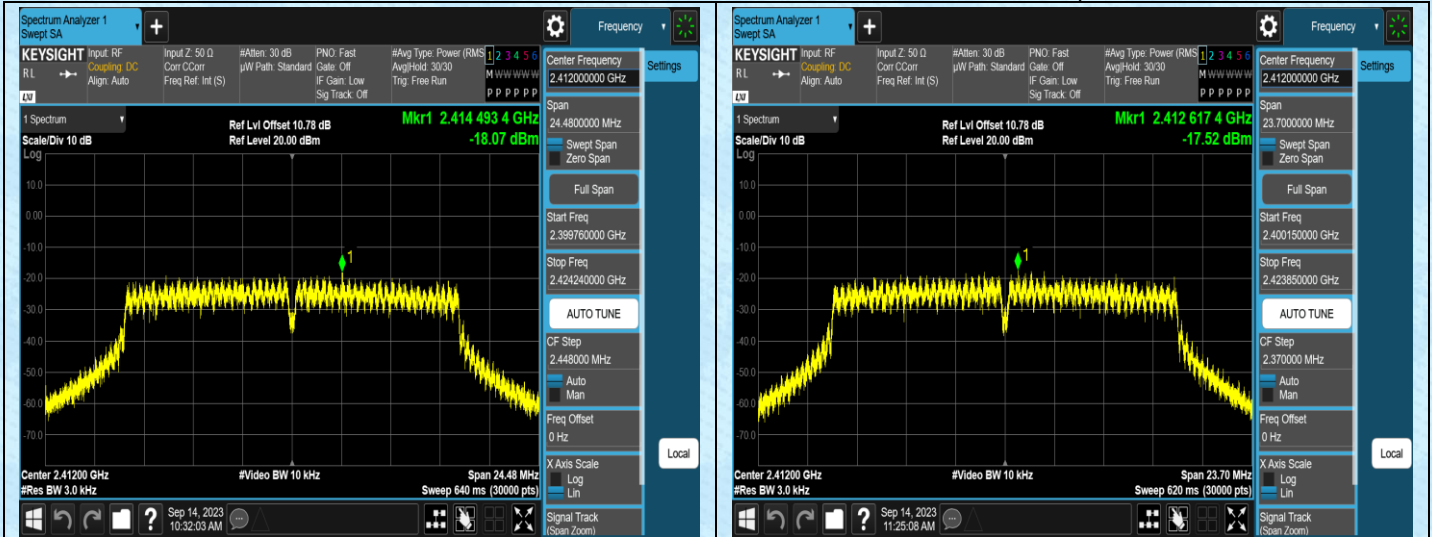
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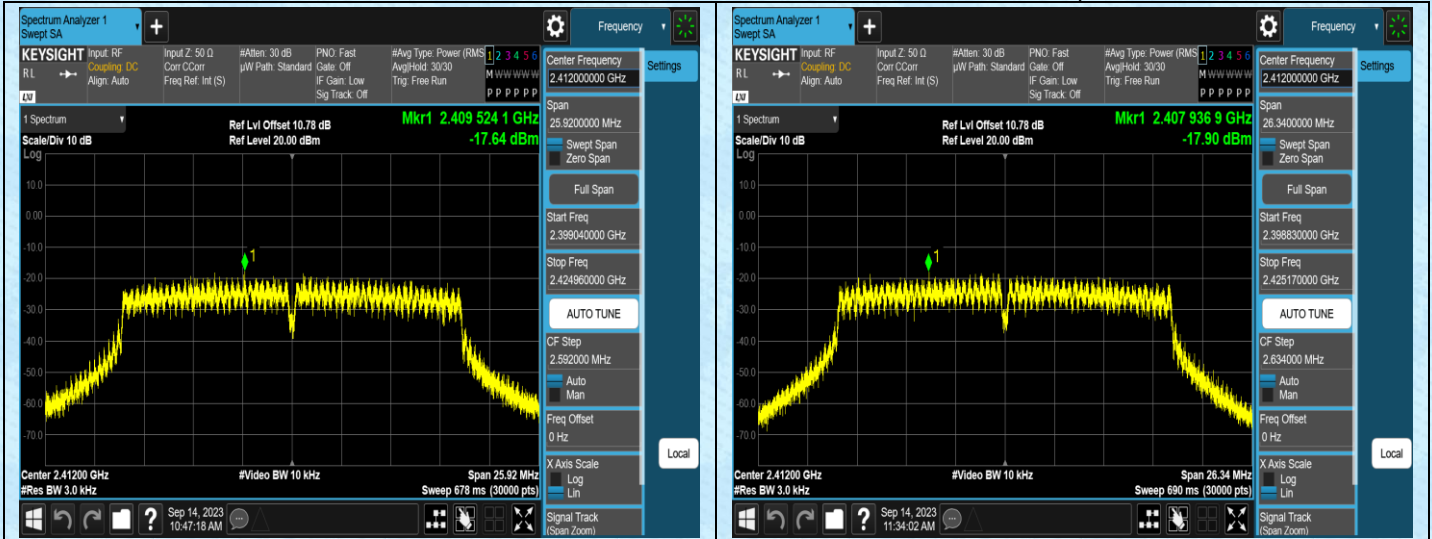


11B-Ant1-2462



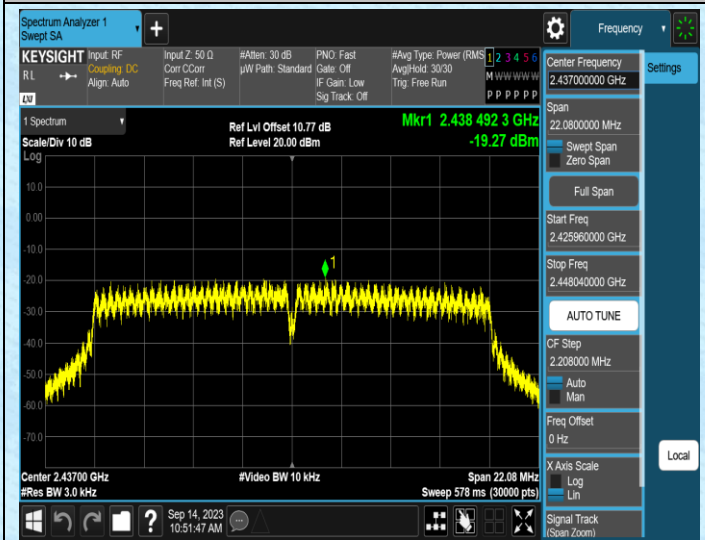
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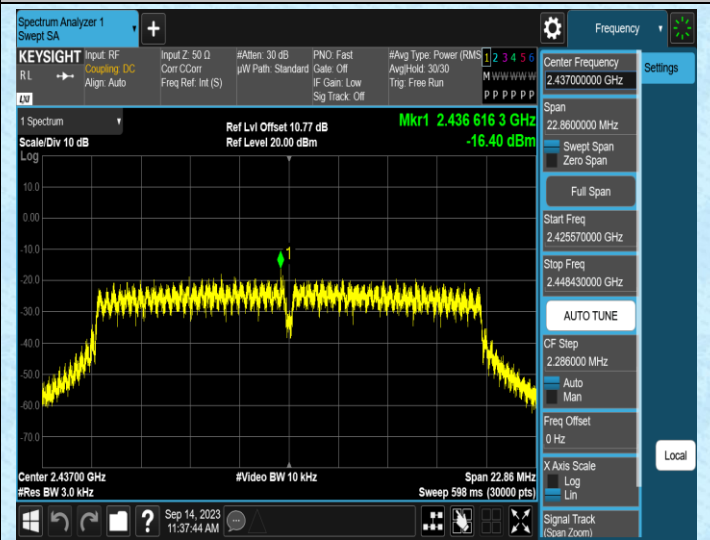


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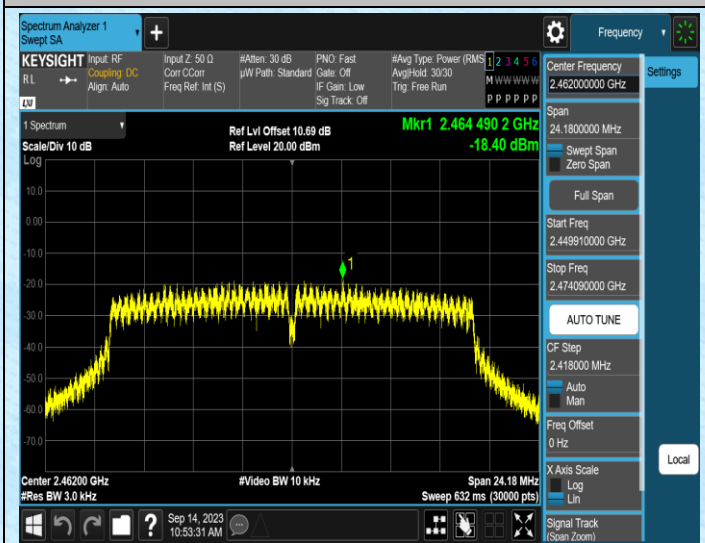
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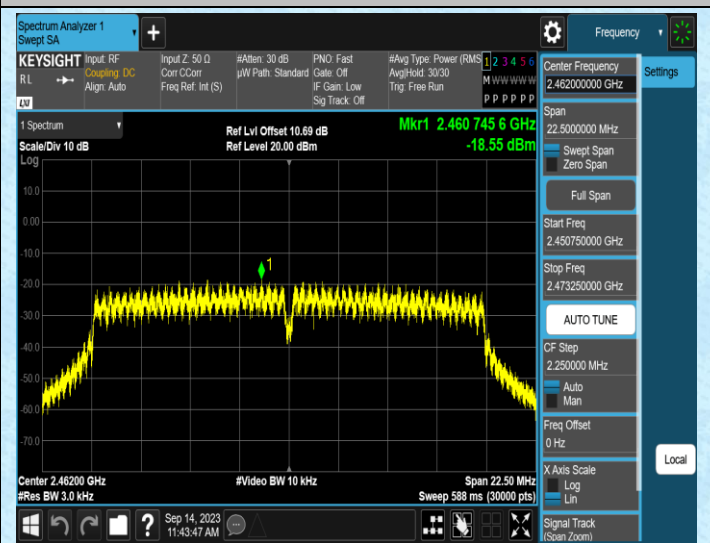
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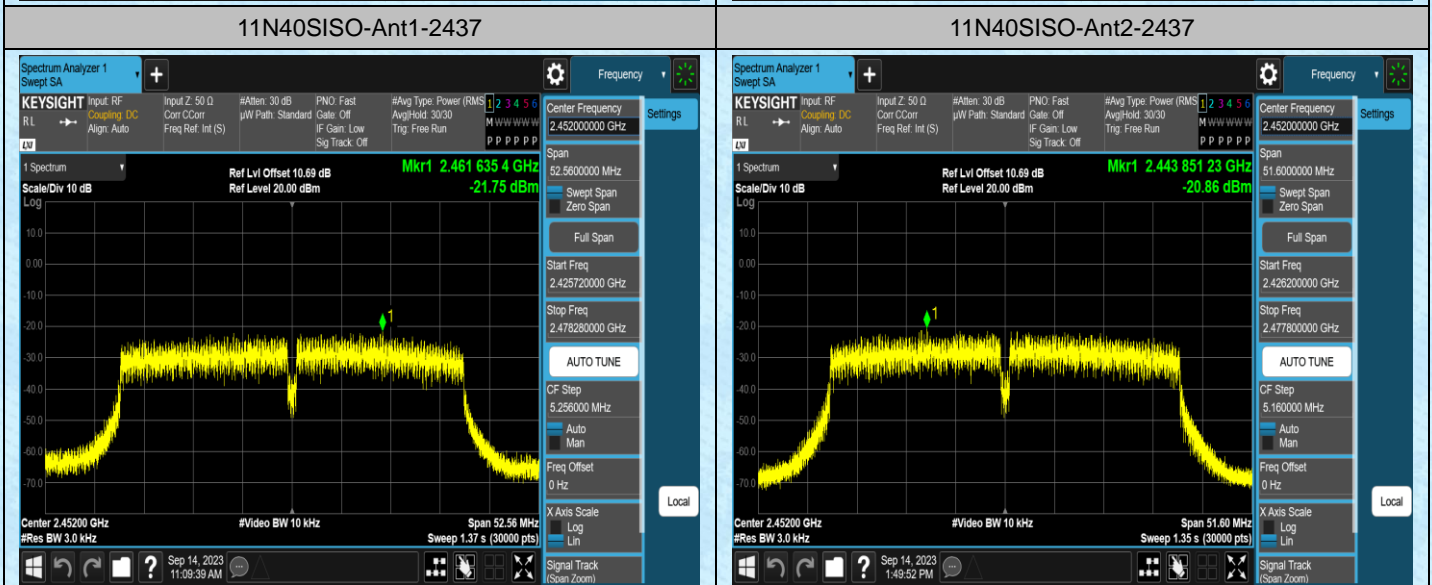
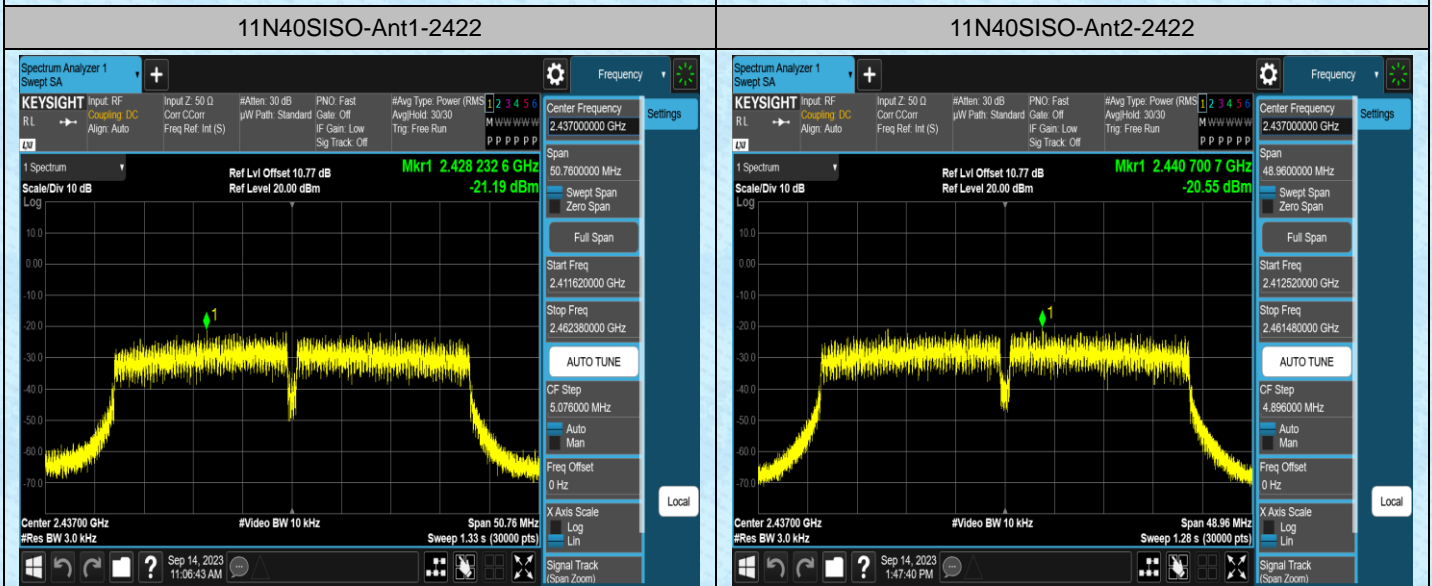
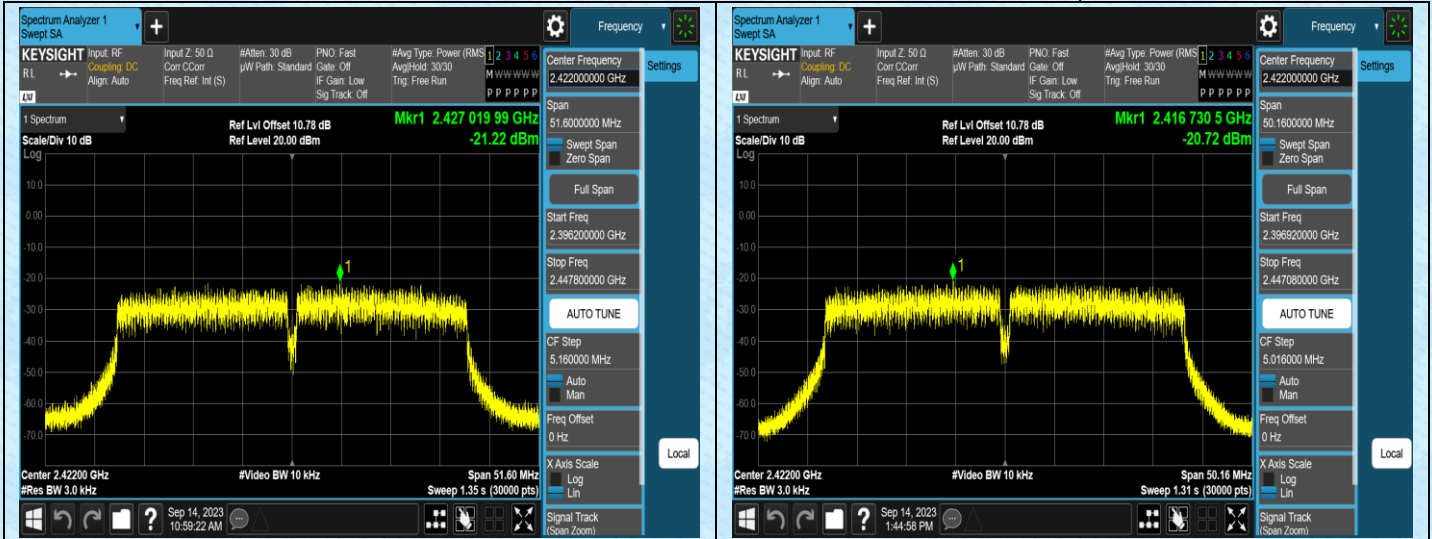
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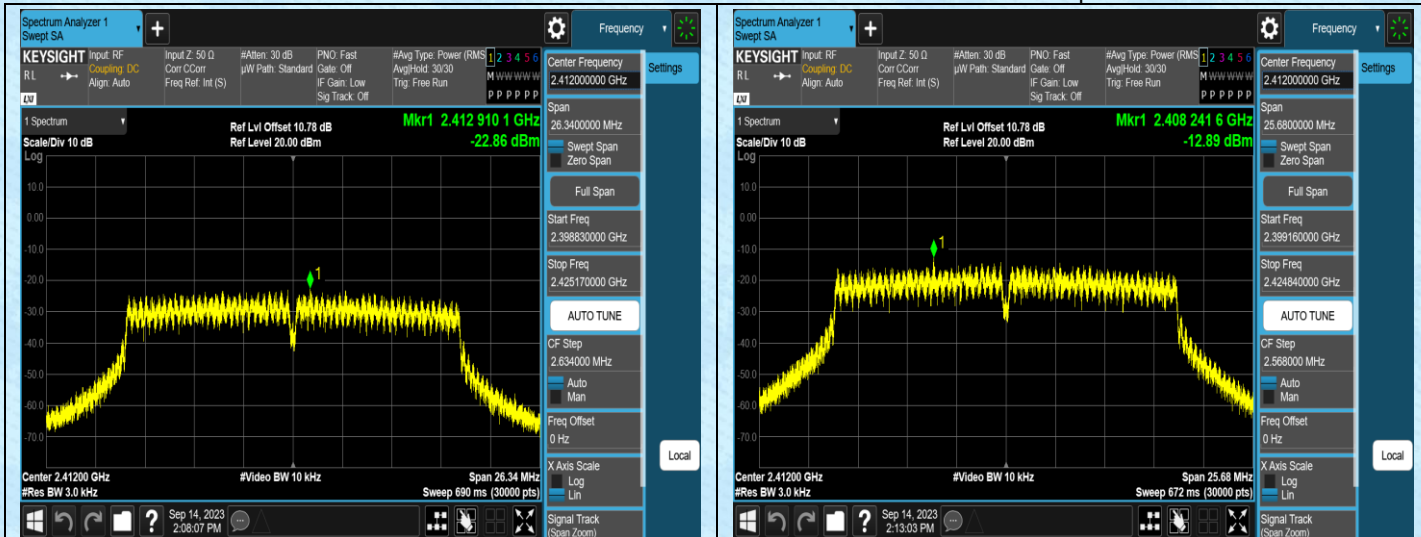


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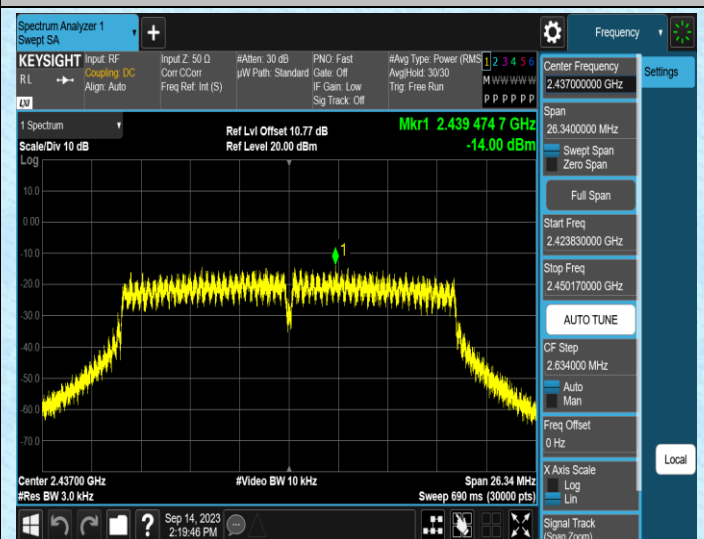
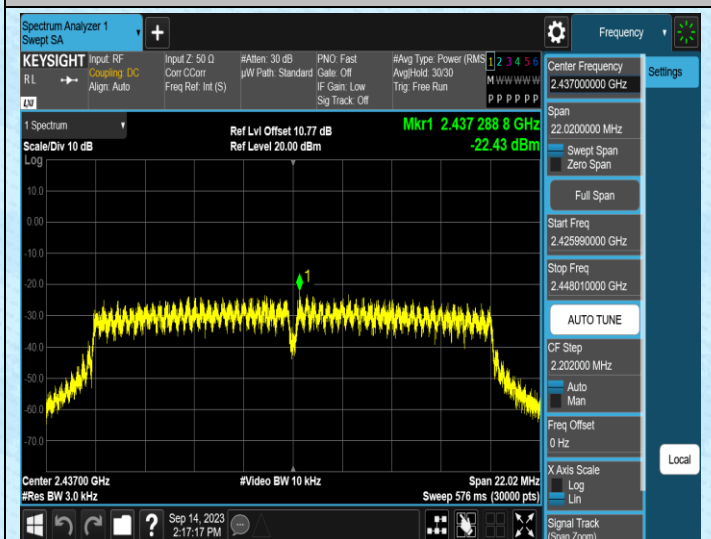
11N20SISO-Ant2-2462





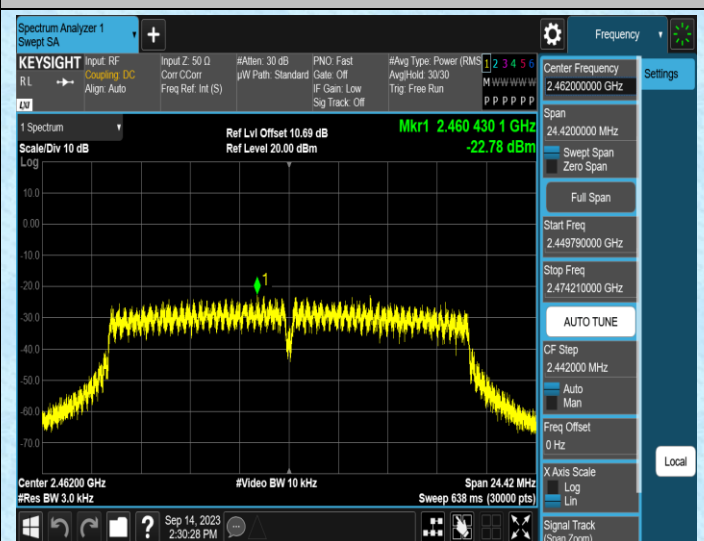
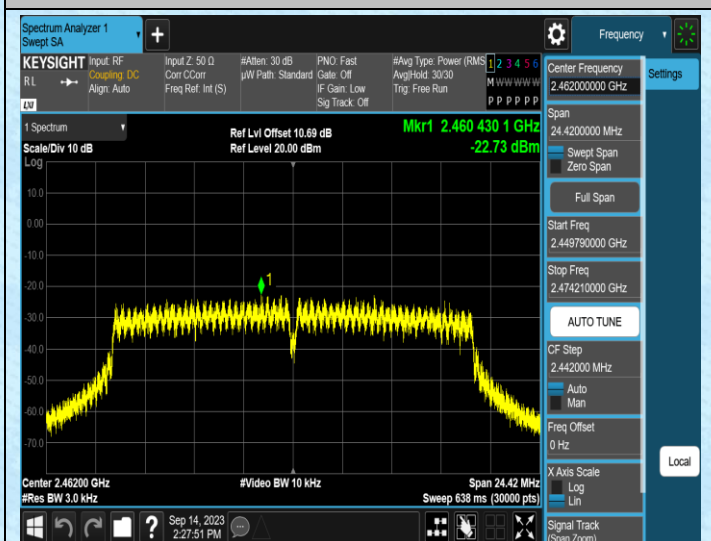
11N20MIMO-Ant1-2412

11N20MIMO-Ant2-2412



11N20MIMO-Ant1-2437

11N20MIMO-Ant2-2437



11N20MIMO-Ant1-2462

11N20MIMO-Ant2-2462