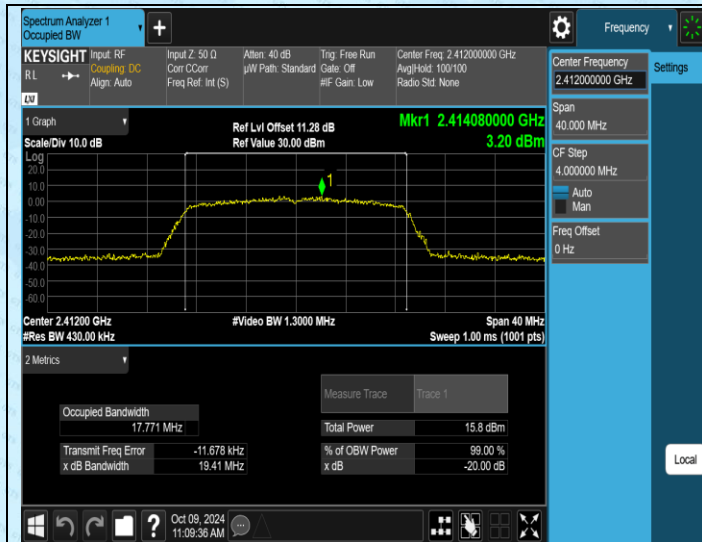
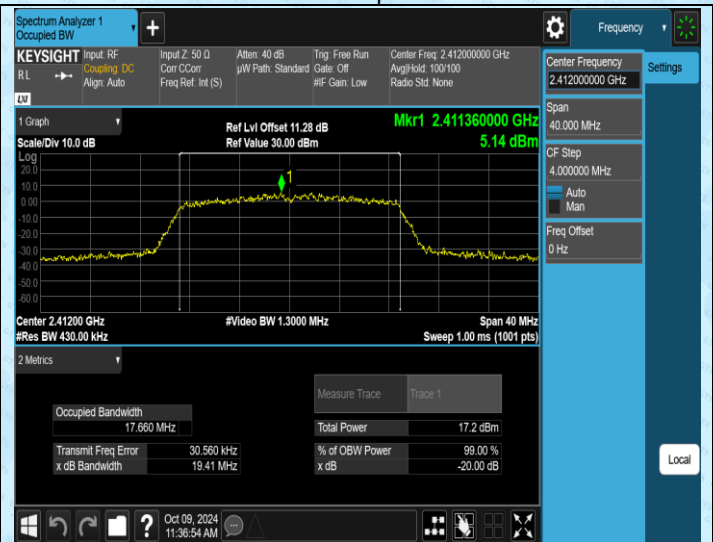
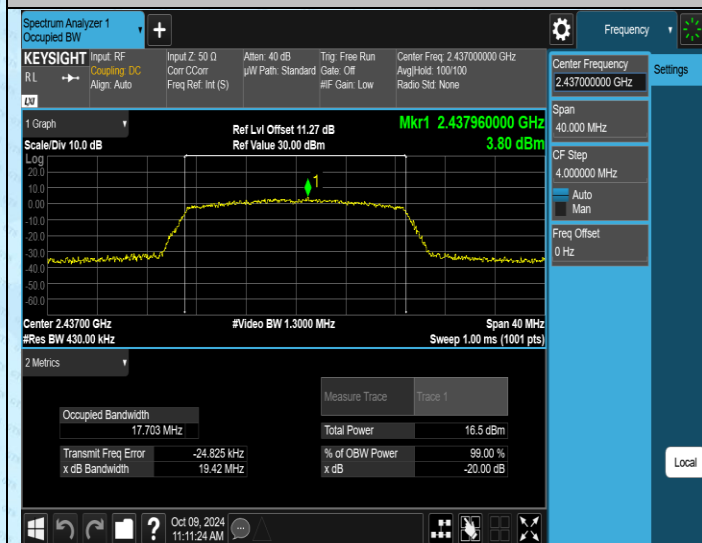




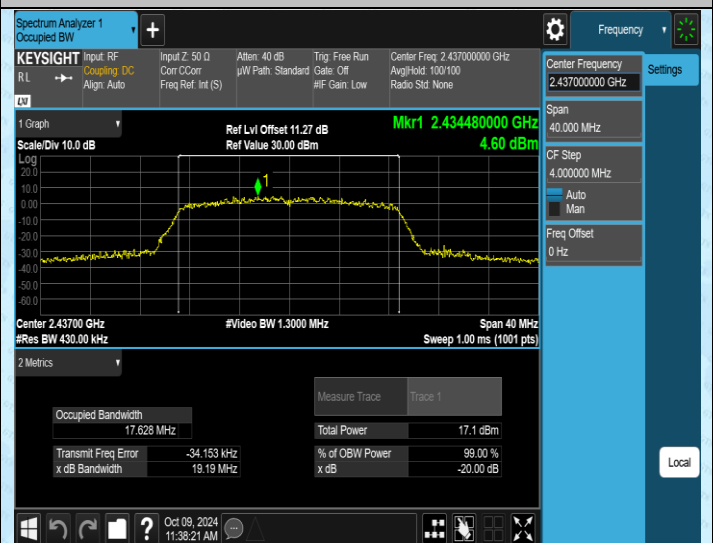
11N20SISO-Ant1-2412



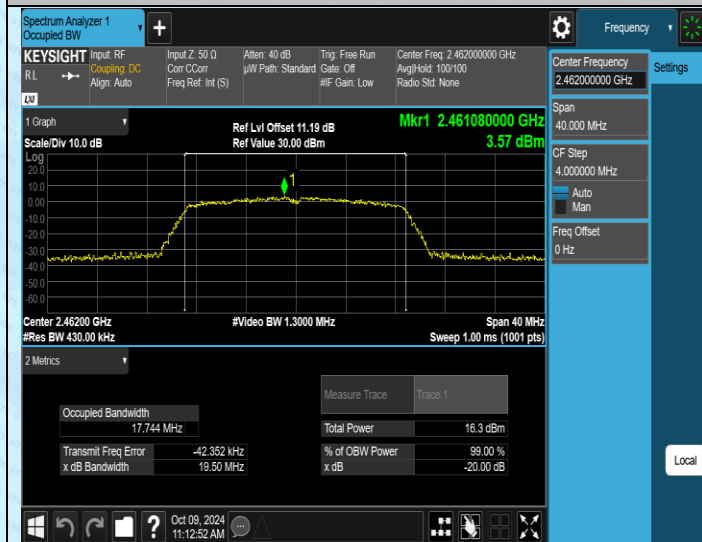
11N20SISO-Ant2-2412



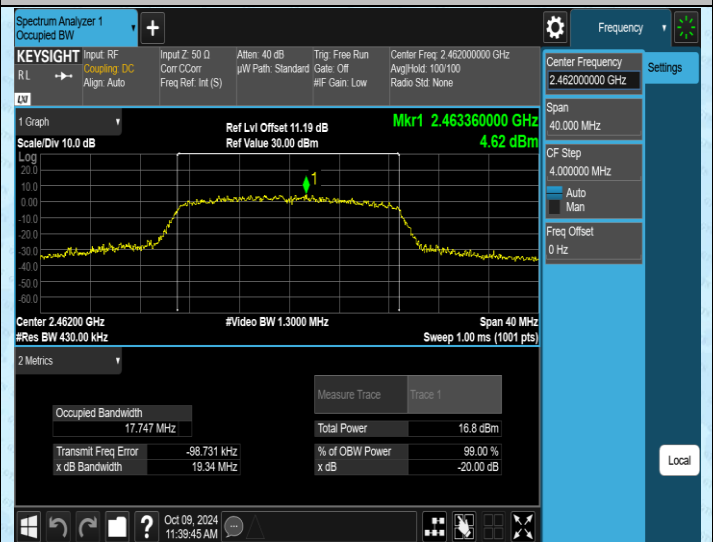
11N20SISO-Ant1-2437



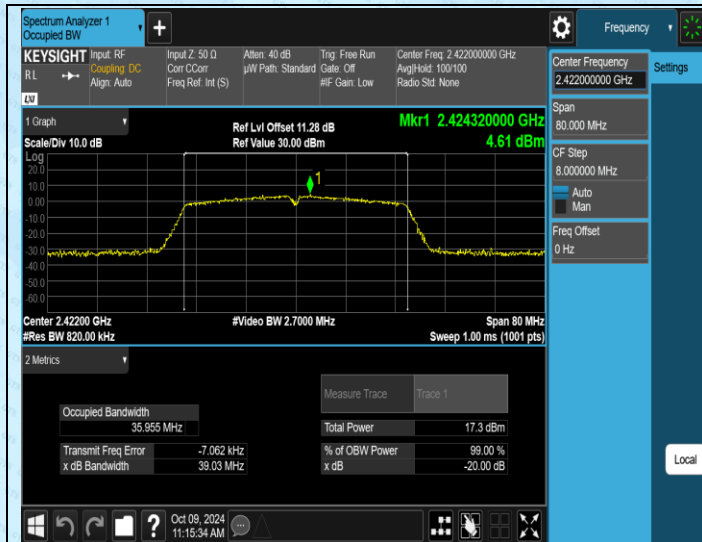
11N20SISO-Ant2-2437



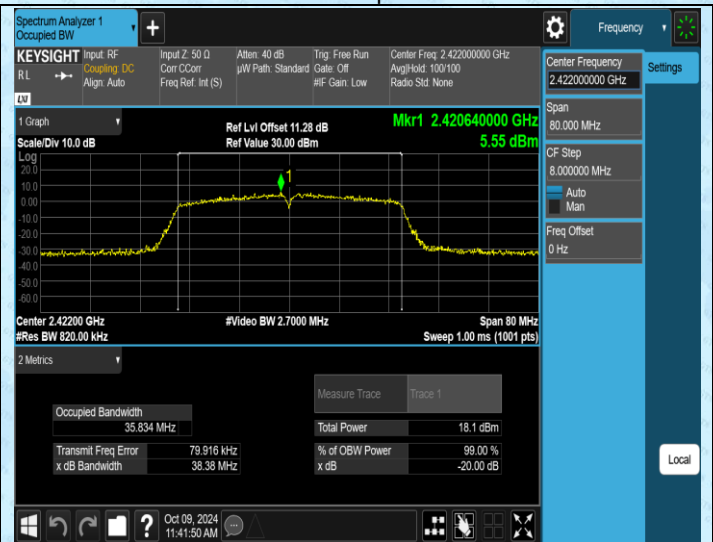
11N20SISO-Ant1-2462



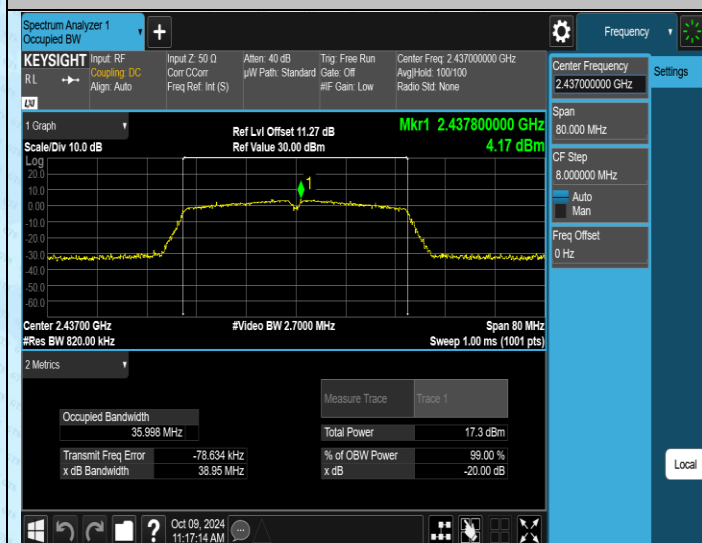
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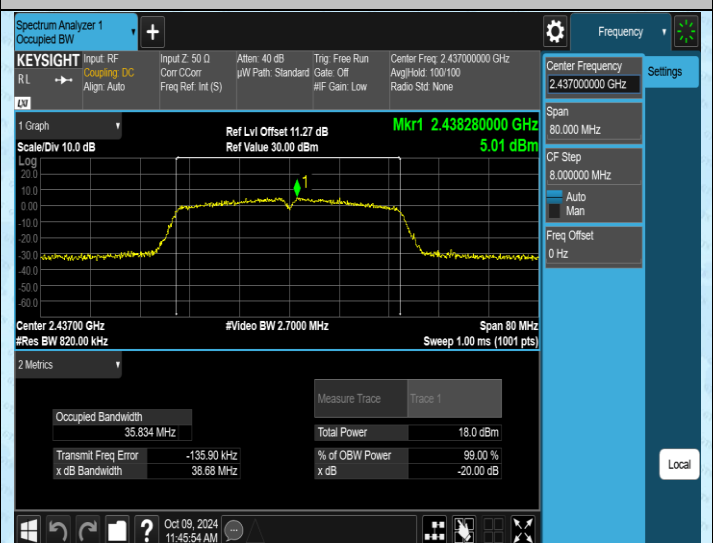
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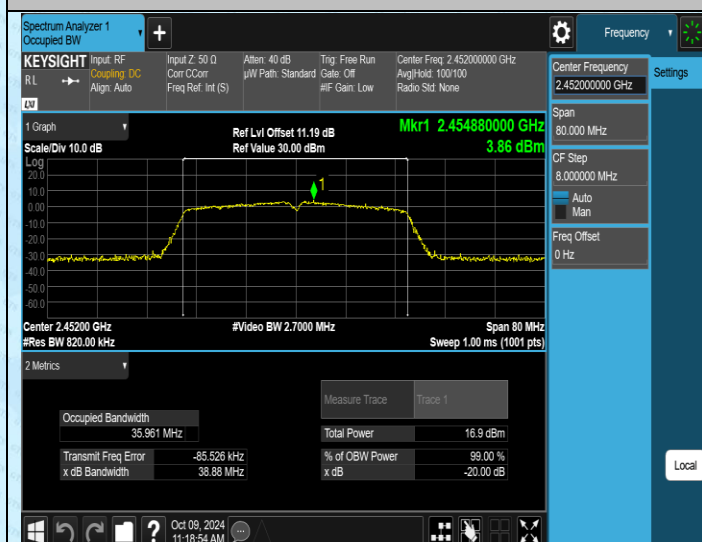
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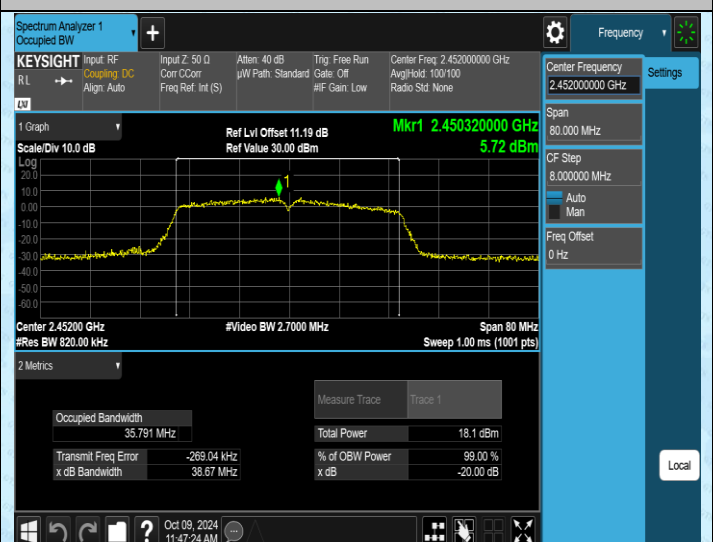
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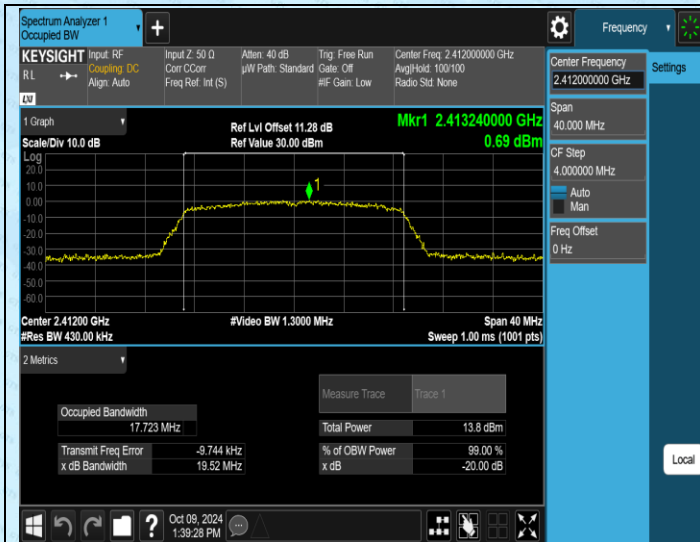
11N40SISO-Ant2-2437



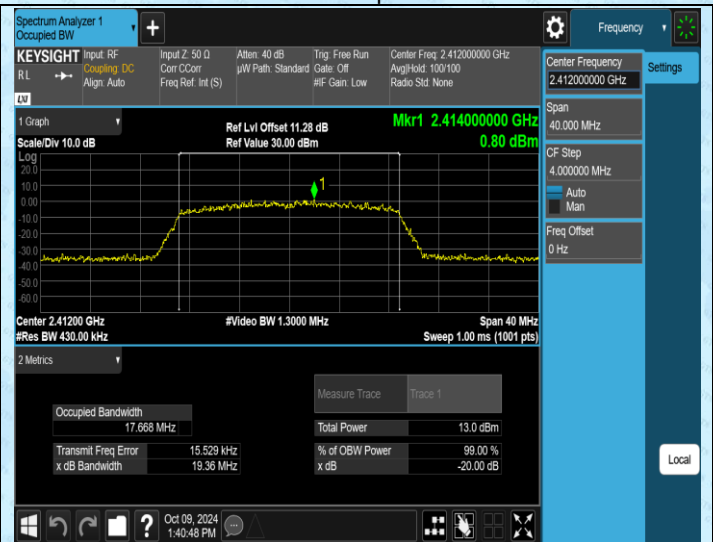
11N40SISO-Ant1-2452



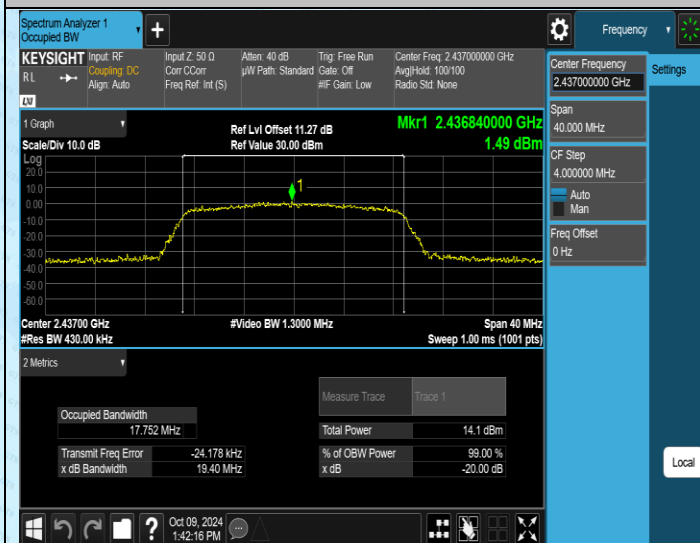
11N40SISO-Ant2-2452



11N20MIMO-Ant1-2412



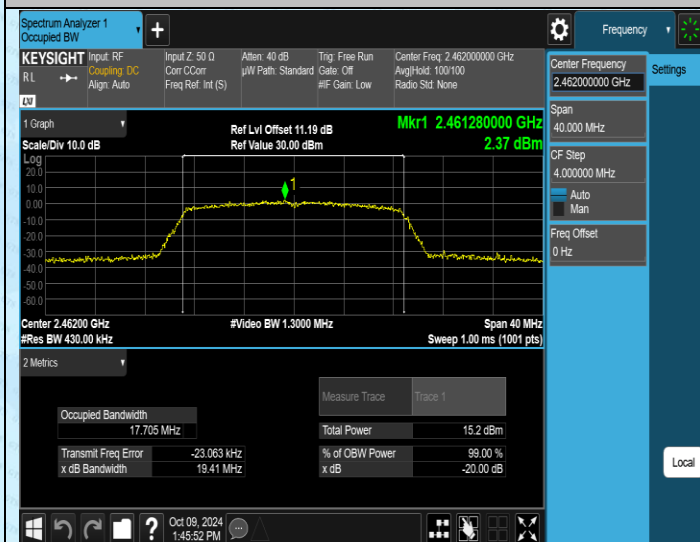
11N20MIMO-Ant2-2412



11N20MIMO-Ant1-2437



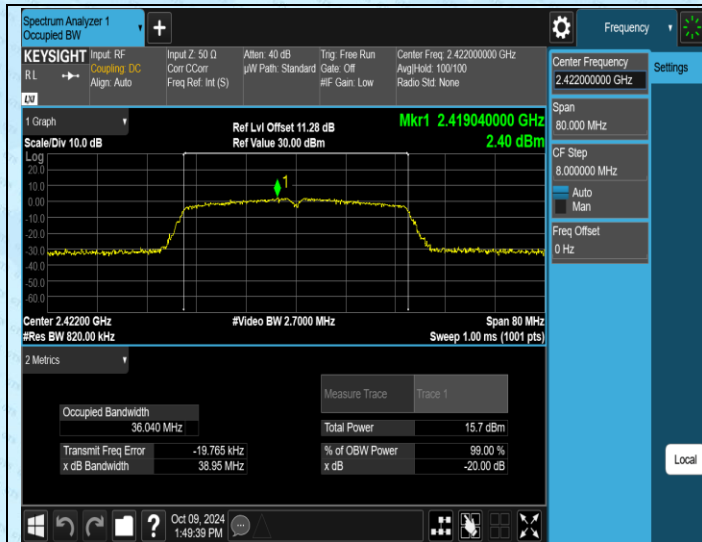
11N20MIMO-Ant2-2437



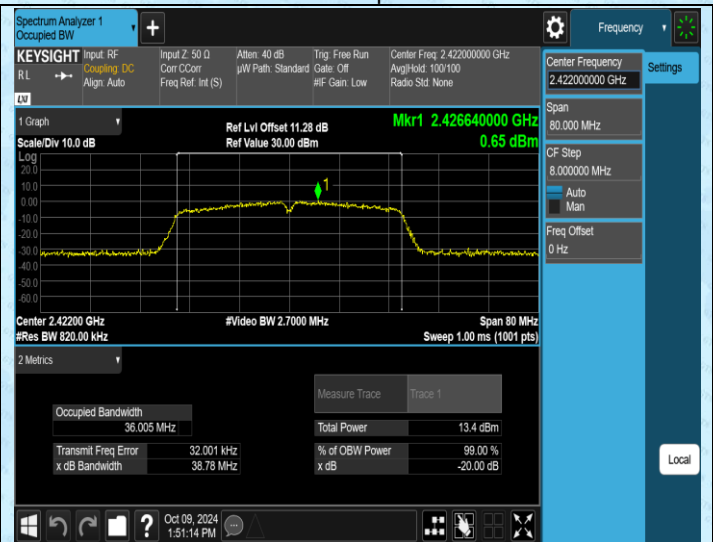
11N20MIMO-Ant1-2462



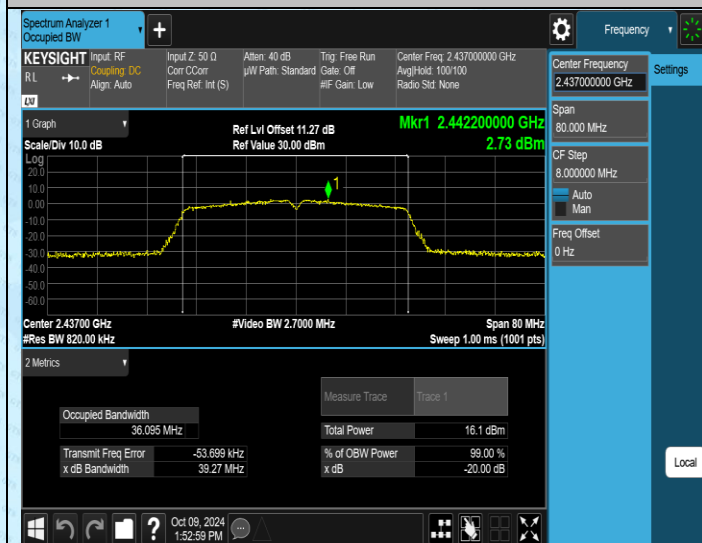
11N20MIMO-Ant2-2462



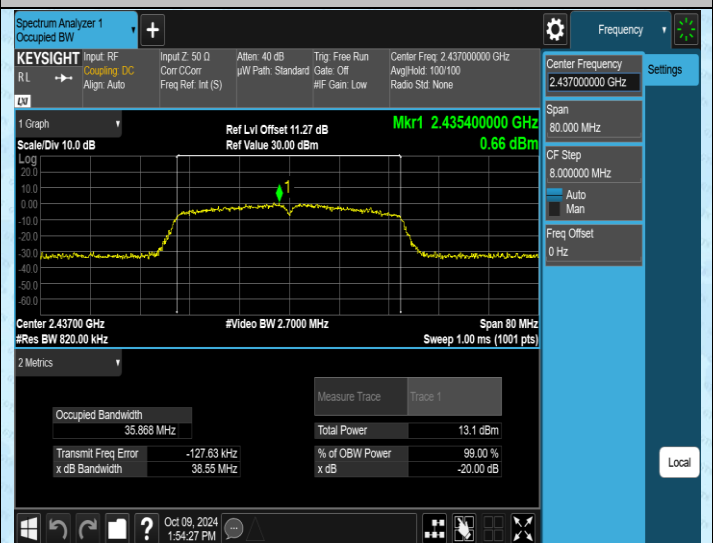
11N40MIMO-Ant1-2422



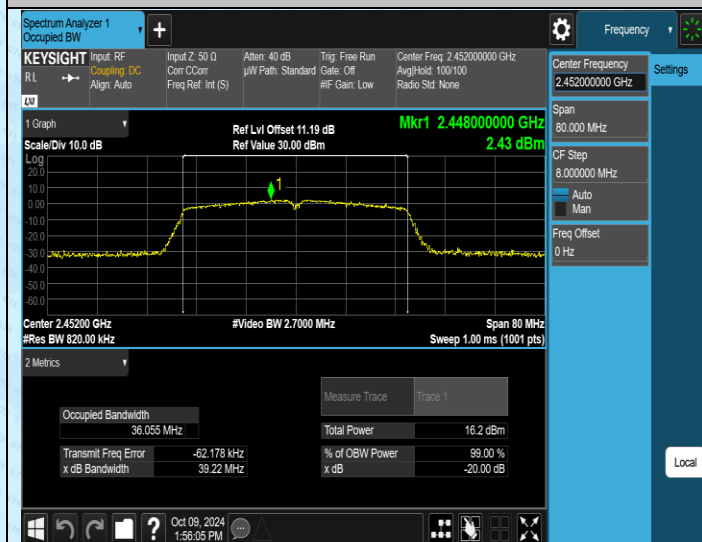
11N40MIMO-Ant2-2422



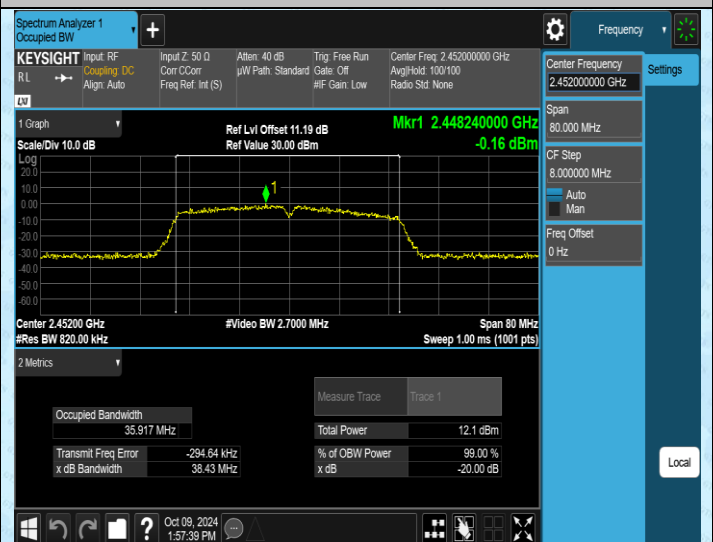
11N40MIMO-Ant1-2437



11N40MIMO-Ant2-2437



11N40MIMO-Ant1-2452



11N40MIMO-Ant2-2452

## AppendixC: Maximum conducted output power

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Rate  | Peak Power[dBm] | Conducted Limit[dBm] | Gain [dBi] | EIRP [dBm] | EIRP Limit[dBm] | Verdict |
|-----------|---------|-----------------|-------|-----------------|----------------------|------------|------------|-----------------|---------|
| 11B       | Ant1    | 2412            | 1Mbps | 17.76           | ≤30.00               | 4.16       | 21.92      | ≤36.00          | PASS    |
| 11B       | Ant2    | 2412            | 1Mbps | 17.84           | ≤30.00               | 4.05       | 21.89      | ≤36.00          | PASS    |
| 11B       | Ant1    | 2437            | 1Mbps | 17.93           | ≤30.00               | 4.16       | 22.09      | ≤36.00          | PASS    |
| 11B       | Ant2    | 2437            | 1Mbps | 17.92           | ≤30.00               | 4.05       | 21.97      | ≤36.00          | PASS    |
| 11B       | Ant1    | 2462            | 1Mbps | 17.76           | ≤30.00               | 4.16       | 21.92      | ≤36.00          | PASS    |
| 11B       | Ant2    | 2462            | 1Mbps | 17.84           | ≤30.00               | 4.05       | 21.89      | ≤36.00          | PASS    |
| 11G       | Ant1    | 2412            | 6Mbps | 17.56           | ≤30.00               | 4.16       | 21.72      | ≤36.00          | PASS    |
| 11G       | Ant2    | 2412            | 6Mbps | 18.04           | ≤30.00               | 4.05       | 22.09      | ≤36.00          | PASS    |
| 11G       | Ant1    | 2437            | 6Mbps | 17.53           | ≤30.00               | 4.16       | 21.69      | ≤36.00          | PASS    |
| 11G       | Ant2    | 2437            | 6Mbps | 18.09           | ≤30.00               | 4.05       | 22.14      | ≤36.00          | PASS    |
| 11G       | Ant1    | 2462            | 6Mbps | 17.58           | ≤30.00               | 4.16       | 21.74      | ≤36.00          | PASS    |
| 11G       | Ant2    | 2462            | 6Mbps | 17.71           | ≤30.00               | 4.05       | 21.76      | ≤36.00          | PASS    |
| 11N20SISO | Ant1    | 2412            | MCS0  | 17.38           | ≤30.00               | 4.16       | 21.54      | ≤36.00          | PASS    |
| 11N20SISO | Ant2    | 2412            | MCS0  | 18.1            | ≤30.00               | 4.05       | 22.15      | ≤36.00          | PASS    |
| 11N20SISO | Ant1    | 2437            | MCS0  | 17.57           | ≤30.00               | 4.16       | 21.73      | ≤36.00          | PASS    |
| 11N20SISO | Ant2    | 2437            | MCS0  | 18.13           | ≤30.00               | 4.05       | 22.18      | ≤36.00          | PASS    |
| 11N20SISO | Ant1    | 2462            | MCS0  | 17.32           | ≤30.00               | 4.16       | 21.48      | ≤36.00          | PASS    |
| 11N20SISO | Ant2    | 2462            | MCS0  | 17.79           | ≤30.00               | 4.05       | 21.84      | ≤36.00          | PASS    |
| 11N40SISO | Ant1    | 2422            | MCS0  | 17.63           | ≤30.00               | 4.16       | 21.79      | ≤36.00          | PASS    |
| 11N40SISO | Ant2    | 2422            | MCS0  | 18.23           | ≤30.00               | 4.05       | 22.28      | ≤36.00          | PASS    |
| 11N40SISO | Ant1    | 2437            | MCS0  | 17.57           | ≤30.00               | 4.16       | 21.73      | ≤36.00          | PASS    |
| 11N40SISO | Ant2    | 2437            | MCS0  | 18.06           | ≤30.00               | 4.05       | 22.11      | ≤36.00          | PASS    |
| 11N40SISO | Ant1    | 2452            | MCS0  | 17.24           | ≤30.00               | 4.16       | 21.4       | ≤36.00          | PASS    |
| 11N40SISO | Ant2    | 2452            | MCS0  | 18.02           | ≤30.00               | 4.05       | 22.07      | ≤36.00          | PASS    |
| 11N20MIMO | Ant1    | 2412            | MCS0  | 15.04           | ≤30.00               | 4.16       | 19.2       | ≤36.00          | PASS    |
| 11N20MIMO | Ant2    | 2412            | MCS0  | 13.9            | ≤30.00               | 4.05       | 17.95      | ≤36.00          | PASS    |
| 11N20MIMO | total   | 2412            | MCS0  | 17.52           | ≤30.00               | 7.12       | 24.64      | ≤36.00          | PASS    |
| 11N20MIMO | Ant1    | 2437            | MCS0  | 16.61           | ≤30.00               | 4.16       | 20.77      | ≤36.00          | PASS    |
| 11N20MIMO | Ant2    | 2437            | MCS0  | 11.26           | ≤30.00               | 4.05       | 15.31      | ≤36.00          | PASS    |
| 11N20MIMO | total   | 2437            | MCS0  | 17.72           | ≤30.00               | 7.12       | 24.84      | ≤36.00          | PASS    |
| 11N20MIMO | Ant1    | 2462            | MCS0  | 16.45           | ≤30.00               | 4.16       | 20.61      | ≤36.00          | PASS    |
| 11N20MIMO | Ant2    | 2462            | MCS0  | 12.83           | ≤30.00               | 4.05       | 16.88      | ≤36.00          | PASS    |
| 11N20MIMO | total   | 2462            | MCS0  | 18.02           | ≤30.00               | 7.12       | 25.14      | ≤36.00          | PASS    |
| 11N40MIMO | Ant1    | 2422            | MCS0  | 15.95           | ≤30.00               | 4.16       | 20.11      | ≤36.00          | PASS    |
| 11N40MIMO | Ant2    | 2422            | MCS0  | 13.48           | ≤30.00               | 4.05       | 17.53      | ≤36.00          | PASS    |
| 11N40MIMO | total   | 2422            | MCS0  | 17.9            | ≤30.00               | 7.12       | 25.02      | ≤36.00          | PASS    |
| 11N40MIMO | Ant1    | 2437            | MCS0  | 16.3            | ≤30.00               | 4.16       | 20.46      | ≤36.00          | PASS    |

|           |       |      |      |       |        |      |       |        |      |
|-----------|-------|------|------|-------|--------|------|-------|--------|------|
| 11N40MIMO | Ant2  | 2437 | MCS0 | 13.21 | ≤30.00 | 4.05 | 17.26 | ≤36.00 | PASS |
| 11N40MIMO | total | 2437 | MCS0 | 18.03 | ≤30.00 | 7.12 | 25.15 | ≤36.00 | PASS |
| 11N40MIMO | Ant1  | 2452 | MCS0 | 16.41 | ≤30.00 | 4.16 | 20.57 | ≤36.00 | PASS |
| 11N40MIMO | Ant2  | 2452 | MCS0 | 12    | ≤30.00 | 4.05 | 16.05 | ≤36.00 | PASS |
| 11N40MIMO | total | 2452 | MCS0 | 17.75 | ≤30.00 | 7.12 | 24.87 | ≤36.00 | PASS |

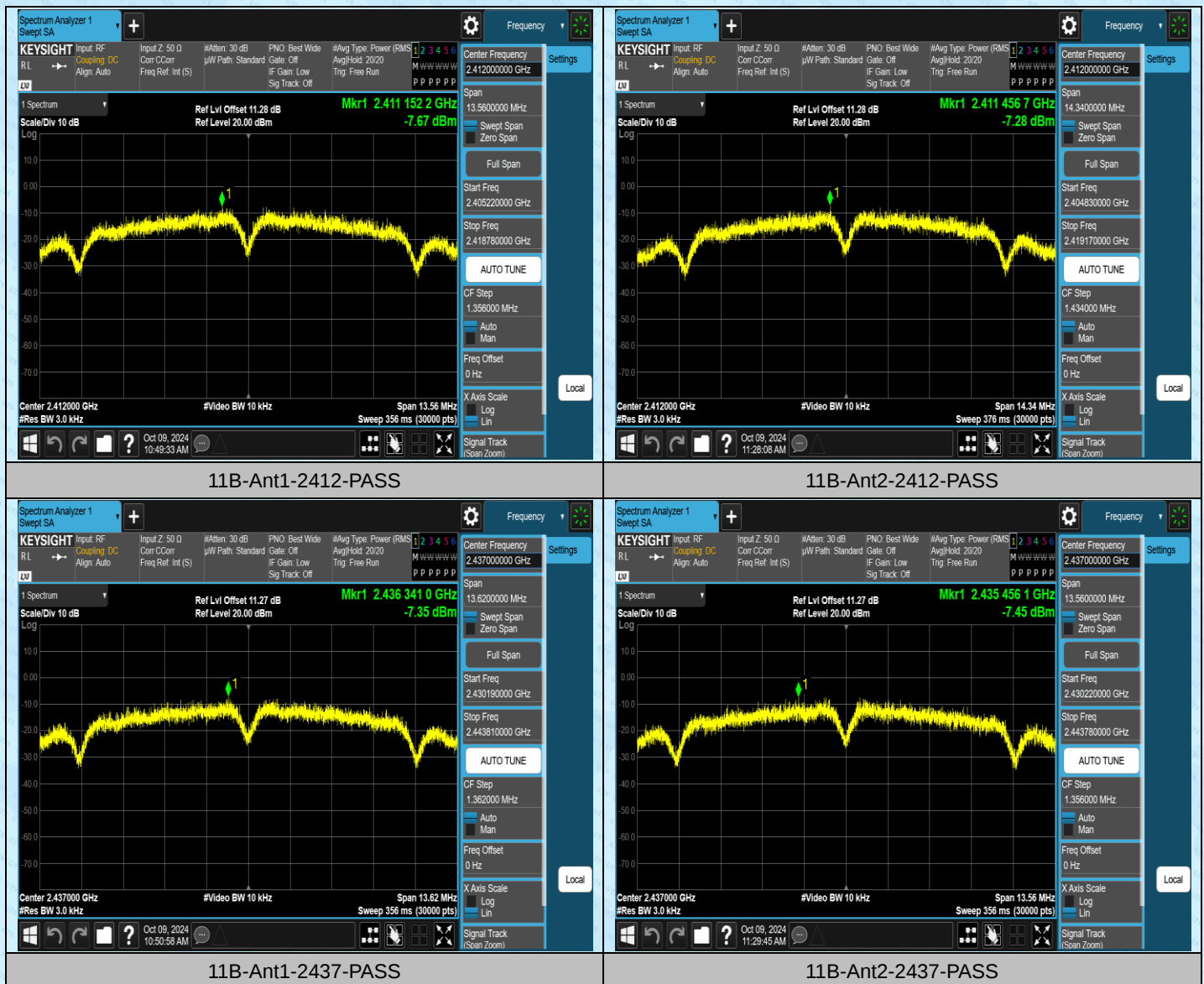
## AppendixD: Maximum power spectral density

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Rate  | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|-------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | 1Mbps | -7.67                | ≤8.00           | PASS    |
| 11B       | Ant2    | 2412           | 1Mbps | -7.28                | ≤8.00           | PASS    |
| 11B       | Ant1    | 2437           | 1Mbps | -7.35                | ≤8.00           | PASS    |
| 11B       | Ant2    | 2437           | 1Mbps | -7.45                | ≤8.00           | PASS    |
| 11B       | Ant1    | 2462           | 1Mbps | -7.76                | ≤8.00           | PASS    |
| 11B       | Ant2    | 2462           | 1Mbps | -7.42                | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | 6Mbps | -14.3                | ≤8.00           | PASS    |
| 11G       | Ant2    | 2412           | 6Mbps | -13.92               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2437           | 6Mbps | -13.18               | ≤8.00           | PASS    |
| 11G       | Ant2    | 2437           | 6Mbps | -13.5                | ≤8.00           | PASS    |
| 11G       | Ant1    | 2462           | 6Mbps | -14.61               | ≤8.00           | PASS    |
| 11G       | Ant2    | 2462           | 6Mbps | -13.98               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | MCS0  | -13.92               | ≤8.00           | PASS    |
| 11N20SISO | Ant2    | 2412           | MCS0  | -13.51               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2437           | MCS0  | -13.7                | ≤8.00           | PASS    |
| 11N20SISO | Ant2    | 2437           | MCS0  | -13.86               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2462           | MCS0  | -14.87               | ≤8.00           | PASS    |
| 11N20SISO | Ant2    | 2462           | MCS0  | -14.39               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422           | MCS0  | -16.93               | ≤8.00           | PASS    |
| 11N40SISO | Ant2    | 2422           | MCS0  | -15.7                | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2437           | MCS0  | -16.63               | ≤8.00           | PASS    |
| 11N40SISO | Ant2    | 2437           | MCS0  | -16.33               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2452           | MCS0  | -16.73               | ≤8.00           | PASS    |
| 11N40SISO | Ant2    | 2452           | MCS0  | -16.03               | ≤8.00           | PASS    |
| 11N20MIMO | Ant1    | 2412           | MCS0  | -16.59               | ≤8.00           | PASS    |
| 11N20MIMO | Ant2    | 2412           | MCS0  | -17.57               | ≤8.00           | PASS    |
| 11N20MIMO | total   | 2412           | MCS0  | -14.04               | ≤8.00           | PASS    |
| 11N20MIMO | Ant1    | 2437           | MCS0  | -15.47               | ≤8.00           | PASS    |
| 11N20MIMO | Ant2    | 2437           | MCS0  | -20.15               | ≤8.00           | PASS    |
| 11N20MIMO | total   | 2437           | MCS0  | -14.20               | ≤8.00           | PASS    |
| 11N20MIMO | Ant1    | 2462           | MCS0  | -15.11               | ≤8.00           | PASS    |
| 11N20MIMO | Ant2    | 2462           | MCS0  | -17.83               | ≤8.00           | PASS    |

|           |       |      |      |        |       |      |
|-----------|-------|------|------|--------|-------|------|
| 11N20MIMO | total | 2462 | MCS0 | -13.25 | ≤8.00 | PASS |
| 11N40MIMO | Ant1  | 2422 | MCS0 | -18.28 | ≤8.00 | PASS |
| 11N40MIMO | Ant2  | 2422 | MCS0 | -20.99 | ≤8.00 | PASS |
| 11N40MIMO | total | 2422 | MCS0 | -16.42 | ≤8.00 | PASS |
| 11N40MIMO | Ant1  | 2437 |      | -17.71 | ≤8.00 | PASS |
| 11N40MIMO | Ant2  | 2437 |      | -21.07 | ≤8.00 | PASS |
| 11N40MIMO | total | 2437 |      | -16.06 | ≤8.00 | PASS |
| 11N40MIMO | Ant1  | 2452 |      | -17.72 | ≤8.00 | PASS |
| 11N40MIMO | Ant2  | 2452 |      | -22.65 | ≤8.00 | PASS |
| 11N40MIMO | total | 2452 |      | -16.51 | ≤8.00 | PASS |

## Test Graphs

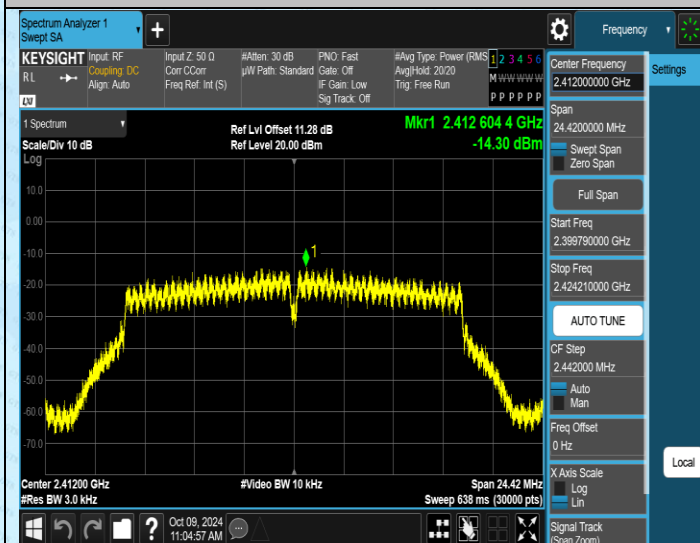




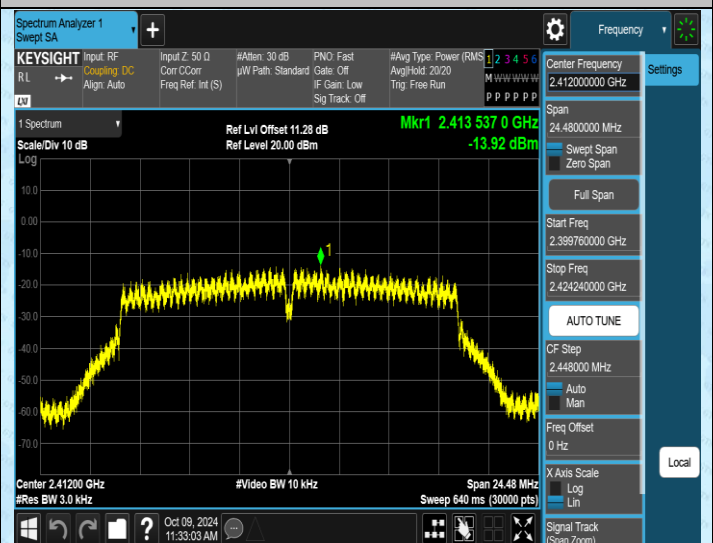
11B-Ant1-2462-PASS



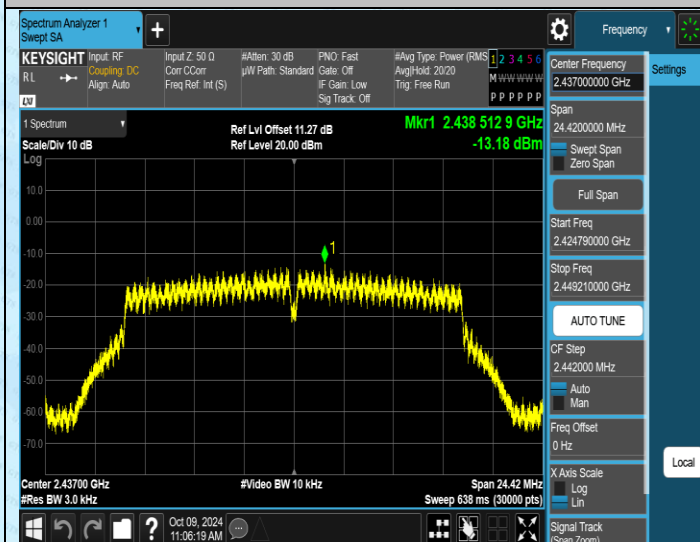
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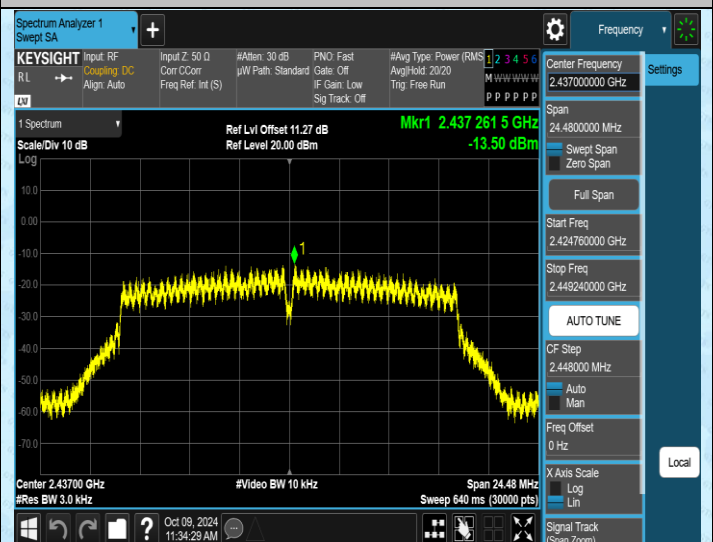
11G-Ant1-2412-PASS



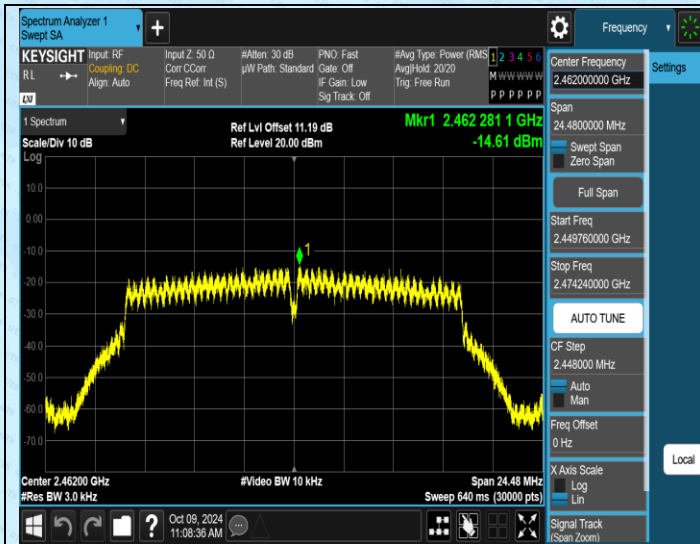
11G-Ant2-2412-PASS



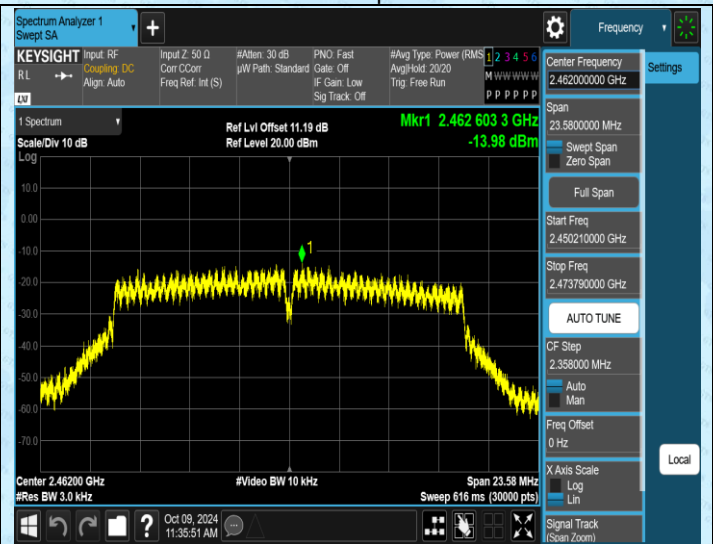
11G-Ant1-2437-PASS



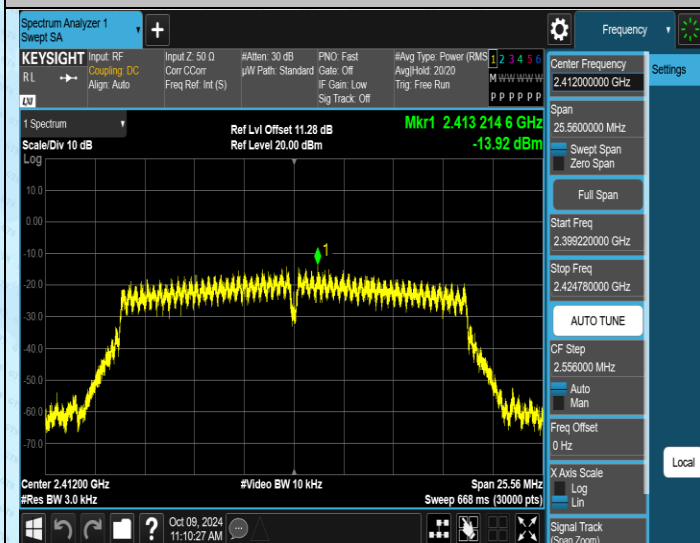
11G-Ant2-2437-PASS



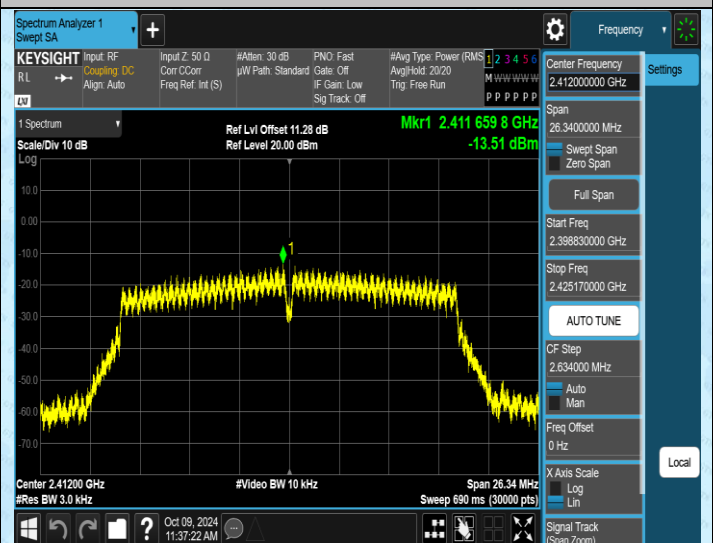
11G-Ant1-2462-PASS



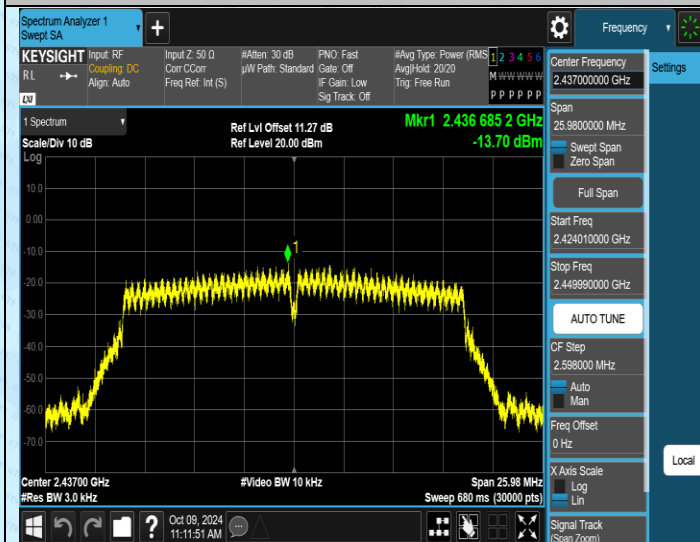
11G-Ant2-2462-PASS



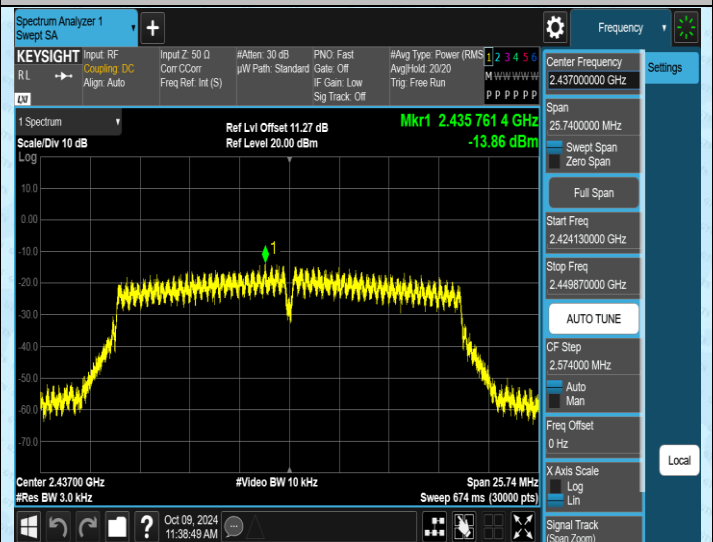
11N20SISO-Ant1-2412-PASS



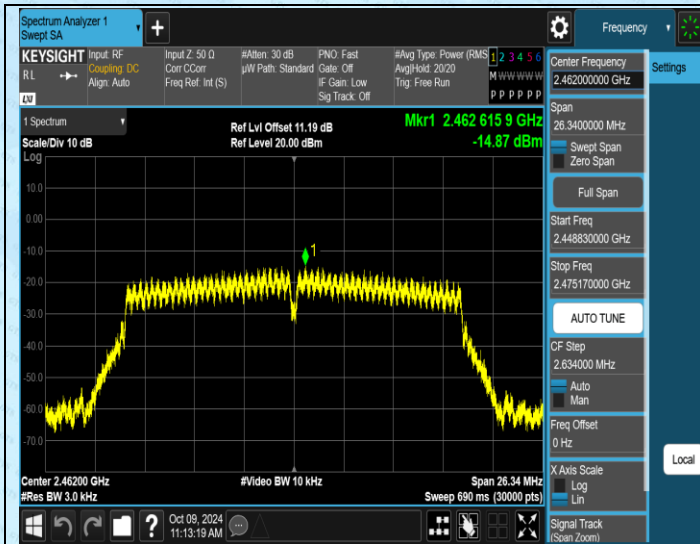
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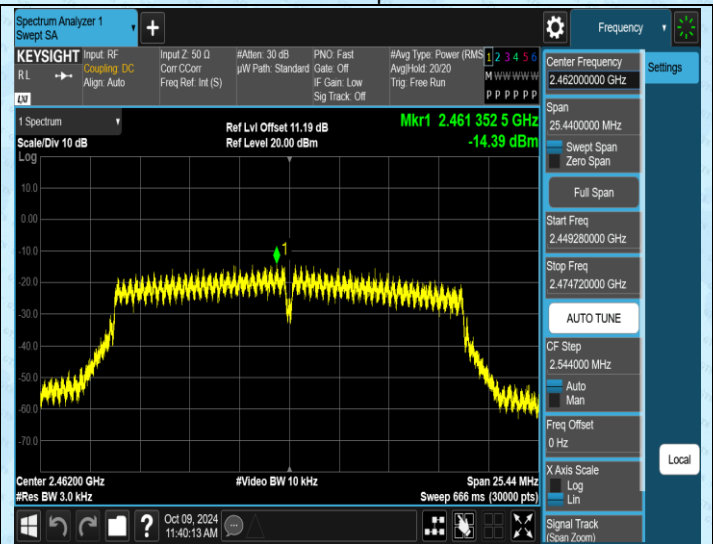
11N20SISO-Ant1-2437-PASS



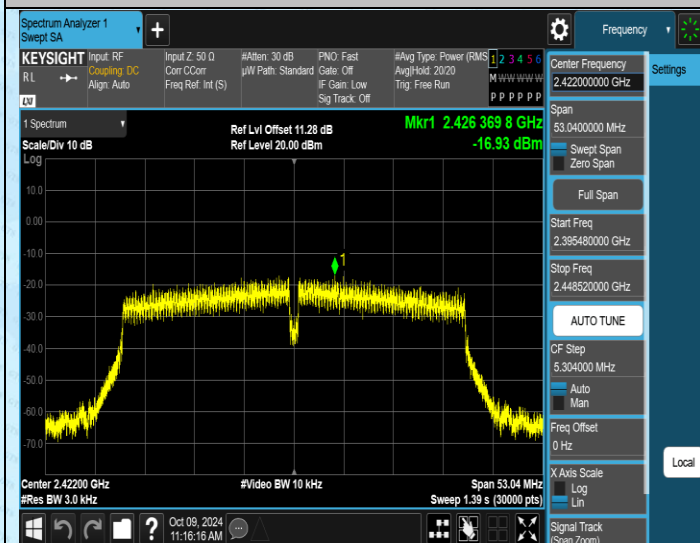
11N20SISO-Ant2-2437-PASS



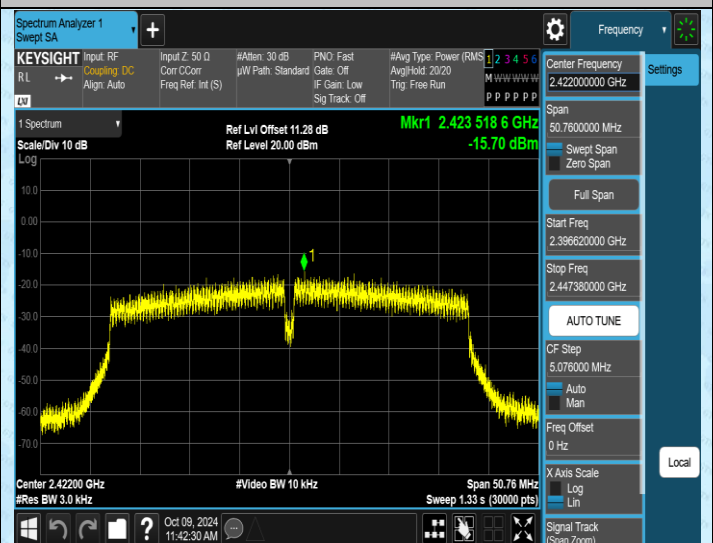
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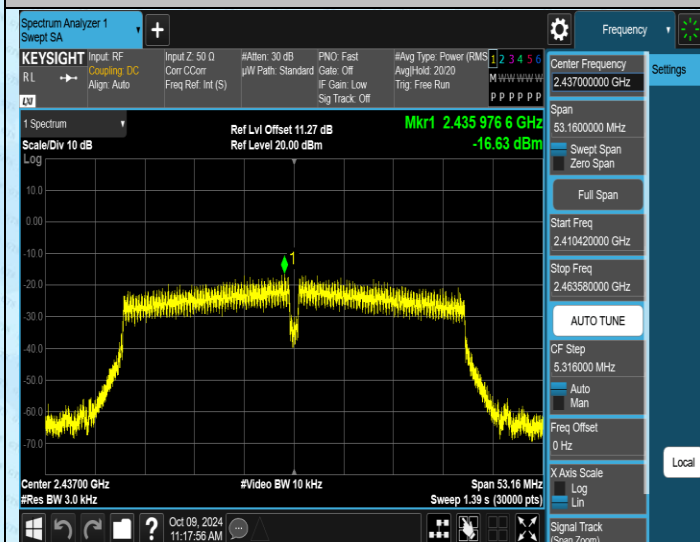
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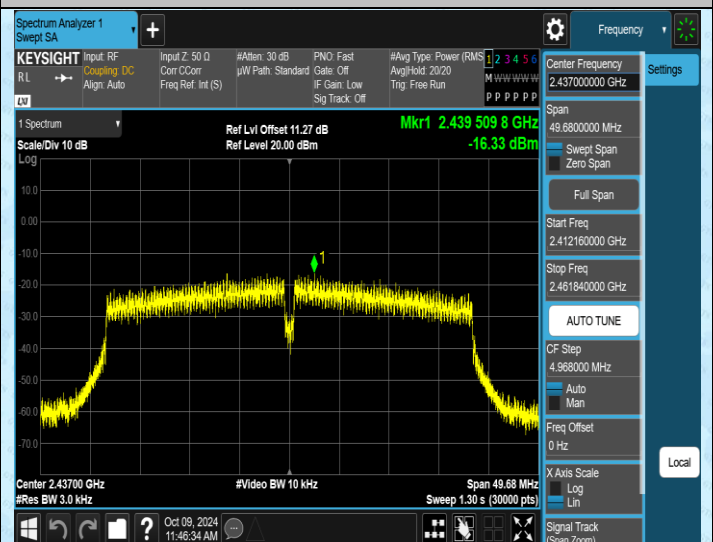
11N40SISO-Ant1-2422-PASS



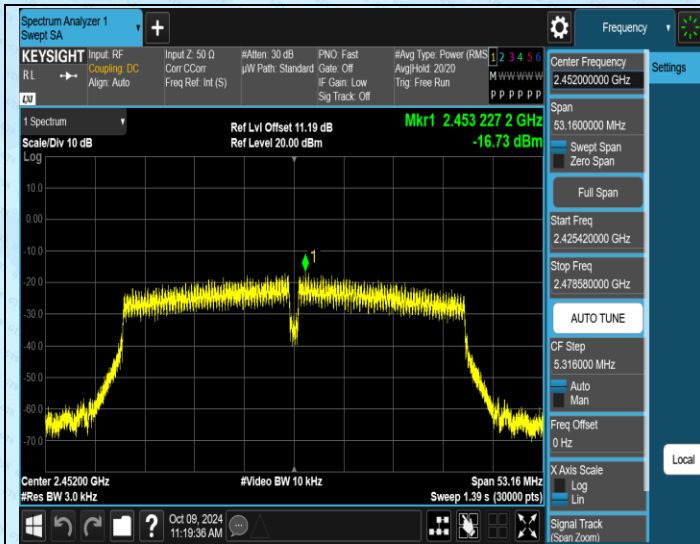
11N40SISO-Ant2-2422-PASS



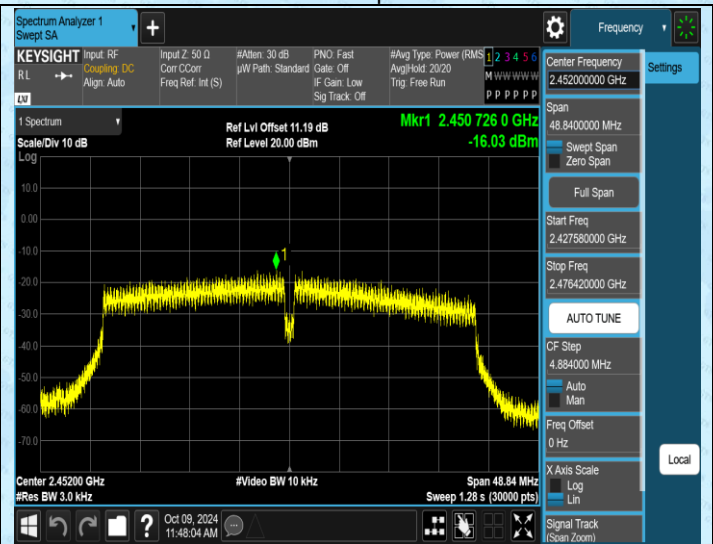
11N40SISO-Ant1-2437-PASS



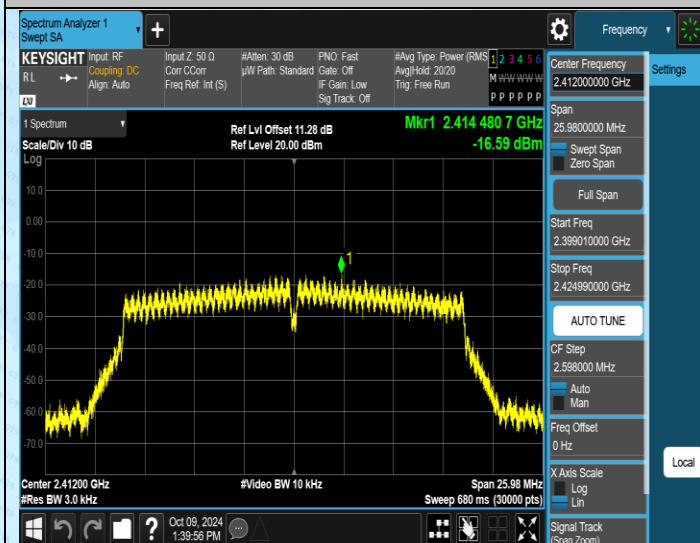
11N40SISO-Ant2-2437-PASS



11N40SISO-Ant1-2452-PASS



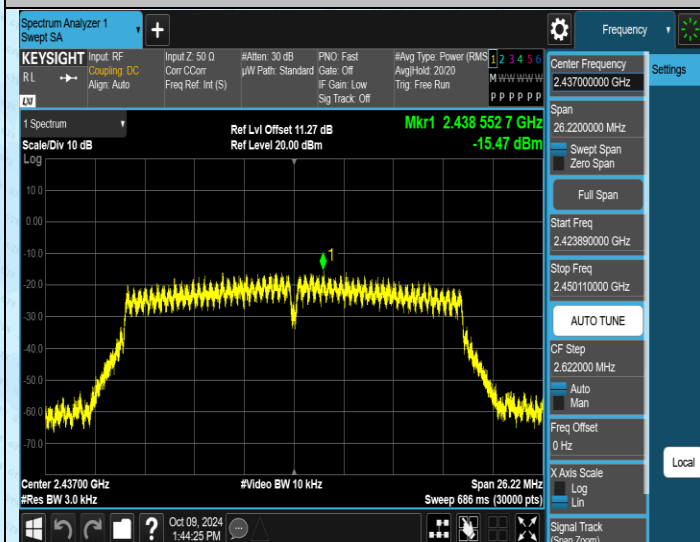
11N40SISO-Ant2-2452-PASS



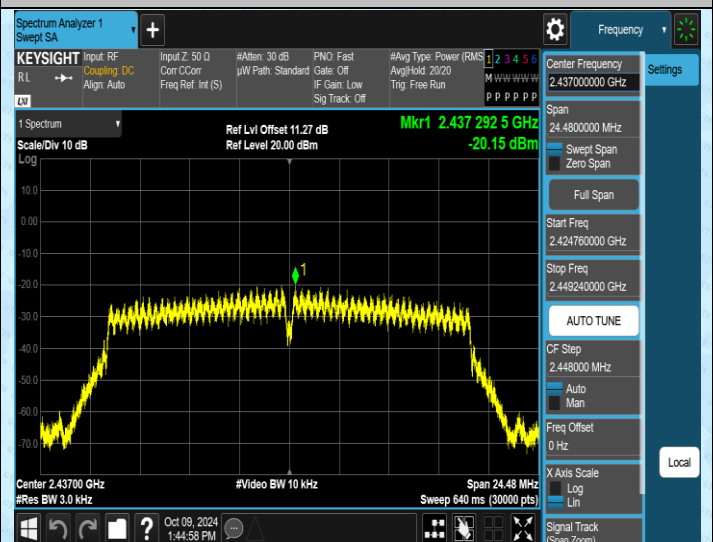
11N20MIMO-Ant1-2412-PASS



11N20MIMO-Ant2-2412-PASS



11N20MIMO-Ant1-2437-PASS



11N20MIMO-Ant2-2437-PASS