

Appendix A: Test Results of 2.4GHz SDR

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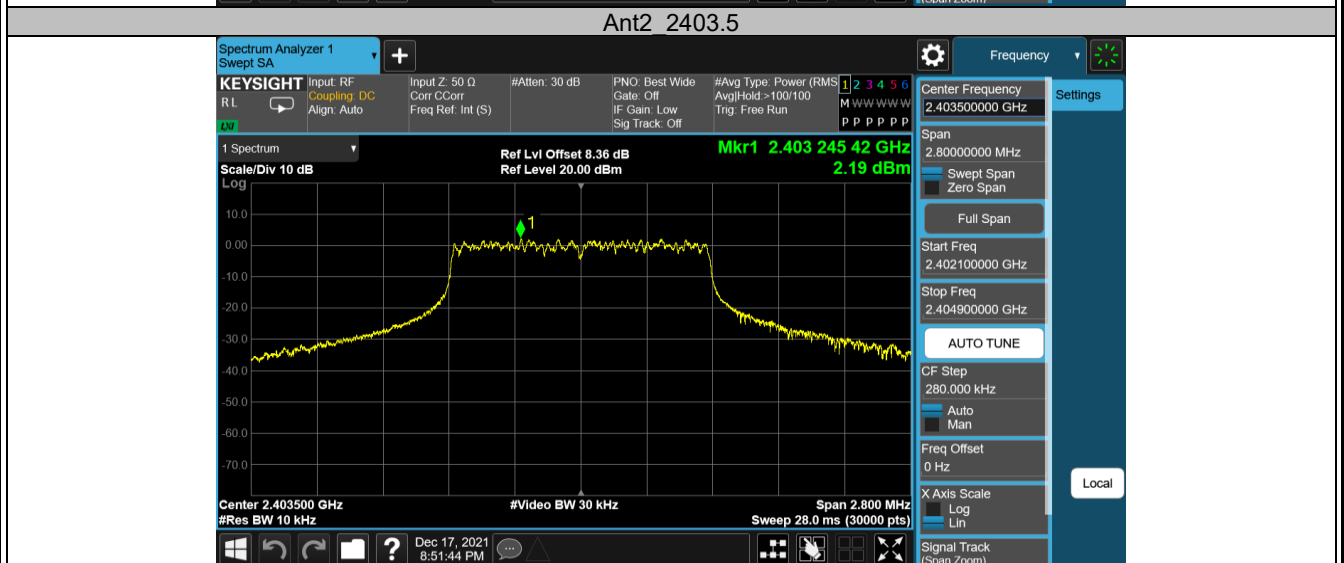
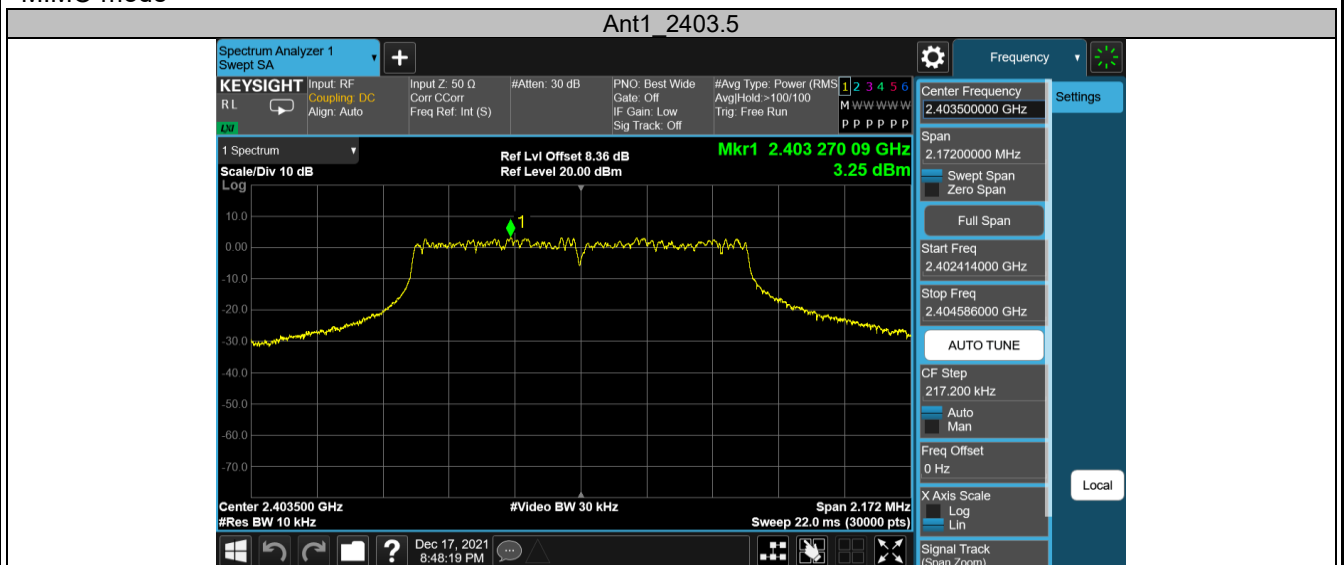
Note: All testing were carried out on SISO mode and MIMO mode, but only the worst case was presented in this report.

Appendix A.1: Test Results of Conducted Power Spectral Density

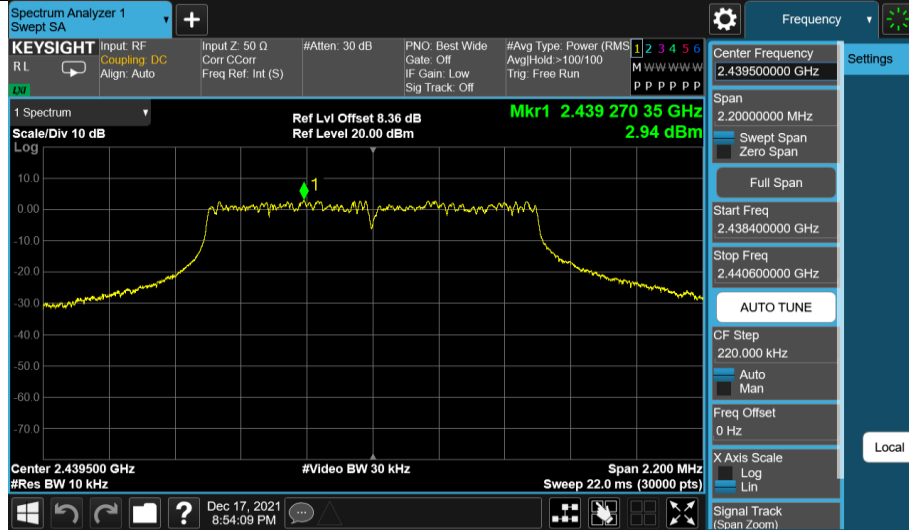
2.4GHz SDR, 1.4MHz BW

| TestMode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|----------------------|-----------------|---------|
| 1.4MHz | Ant1 | 2403.5 | 3.25 | ≤8 | PASS |
| | Ant2 | 2403.5 | 2.19 | ≤8 | PASS |
| | Ant1 | 2439.5 | 2.94 | ≤8 | PASS |
| | Ant2 | 2439.5 | 2.45 | ≤8 | PASS |
| | Ant1 | 2473.5 | 3.9 | ≤8 | PASS |
| | Ant2 | 2473.5 | 2.84 | ≤8 | PASS |

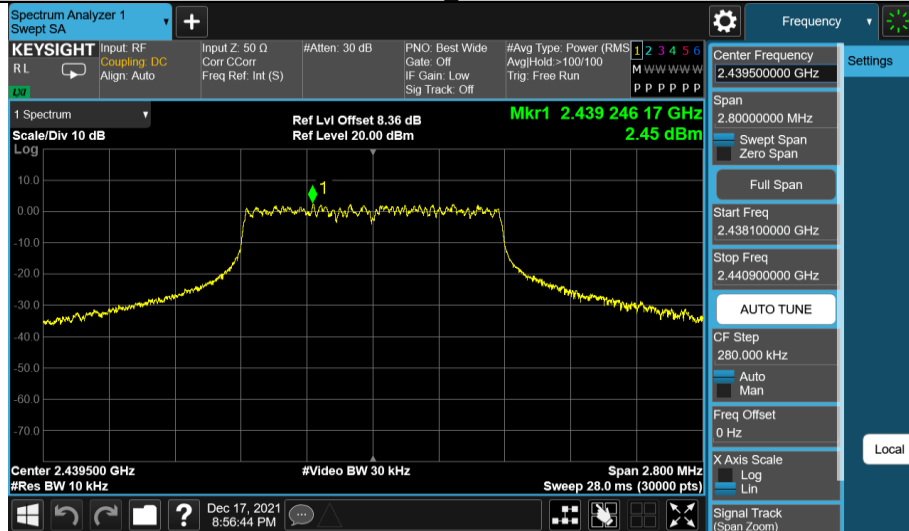
MIMO mode



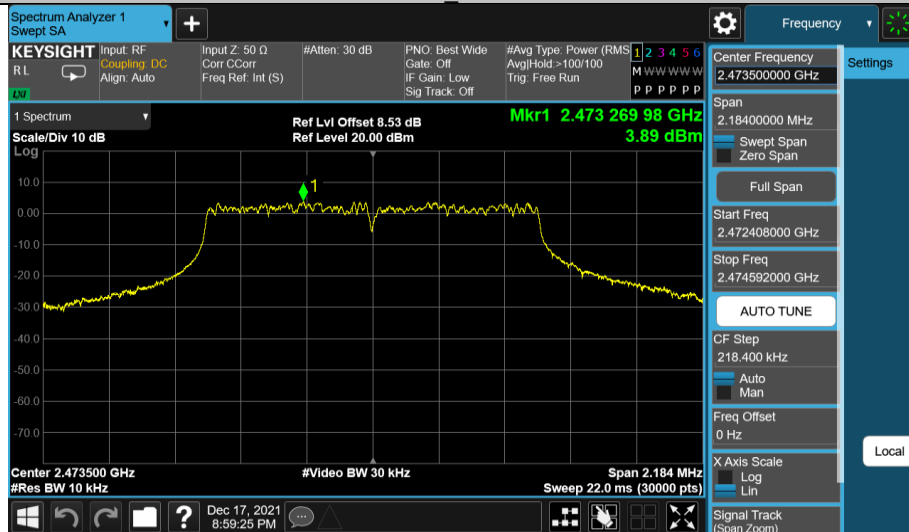
Ant1 2439.5



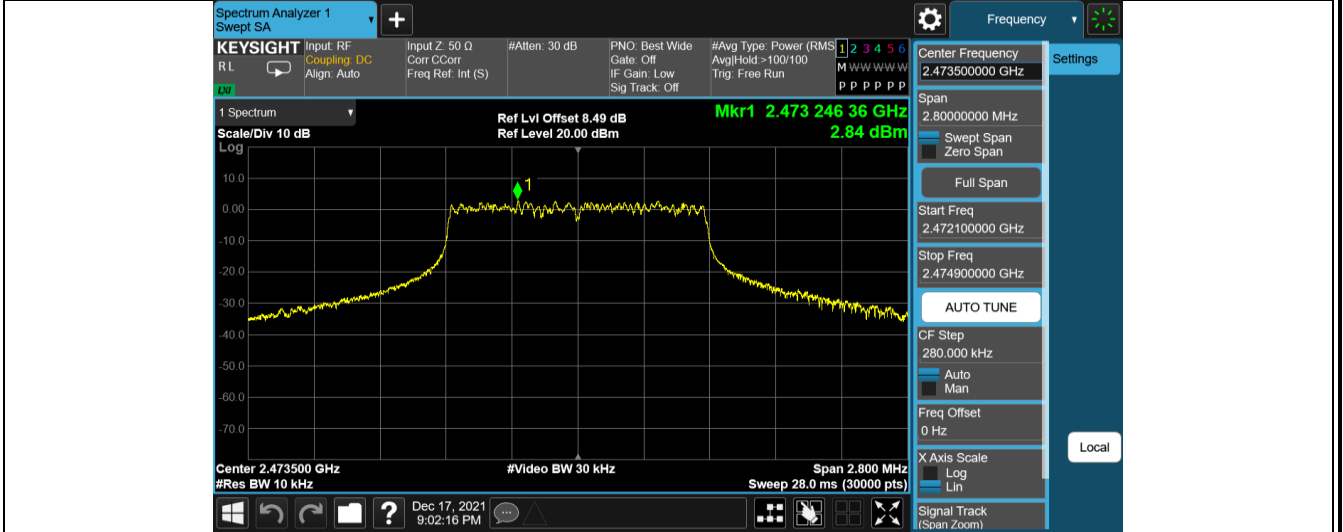
Ant2 2439.5



Ant1 2473.5

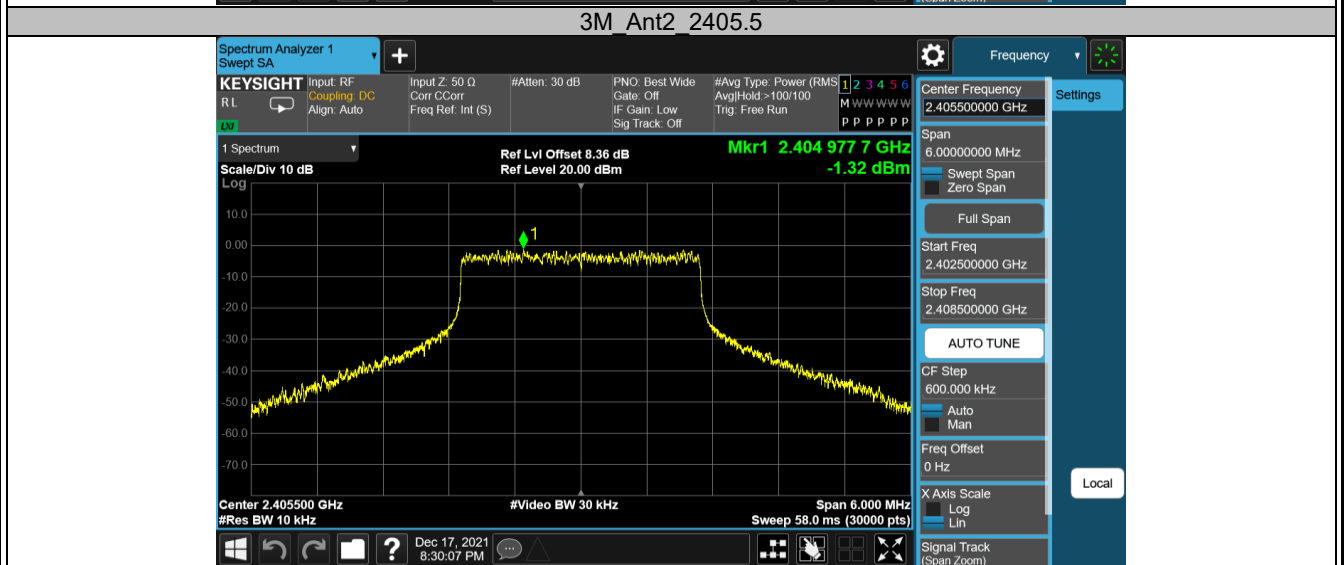
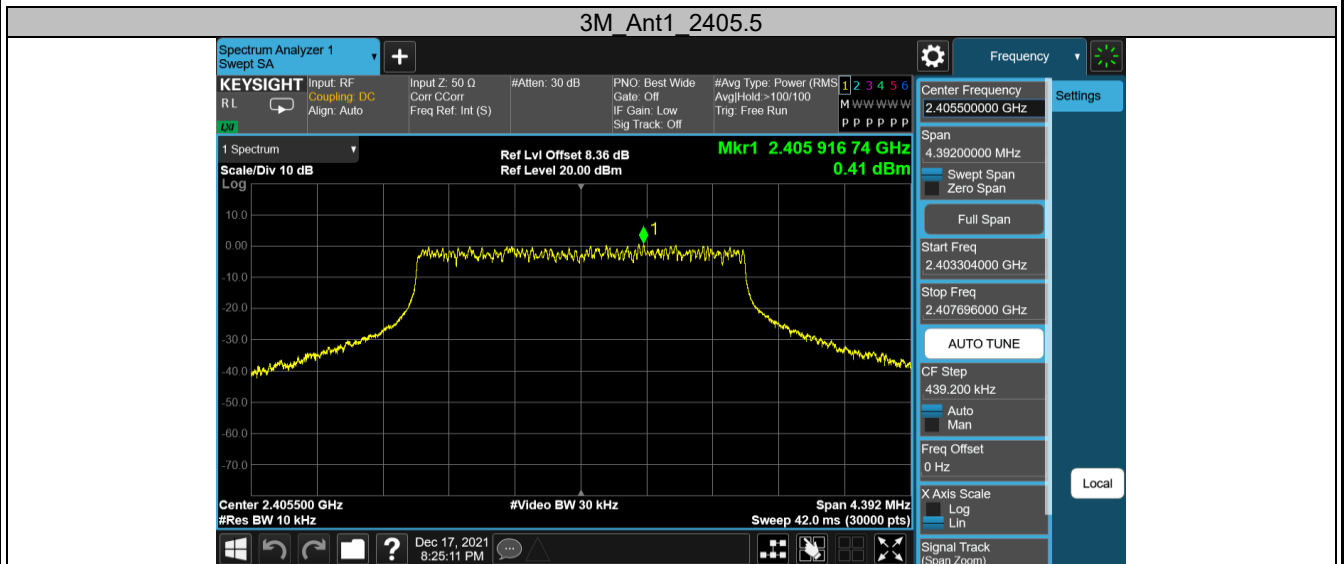


Ant2_2473.5

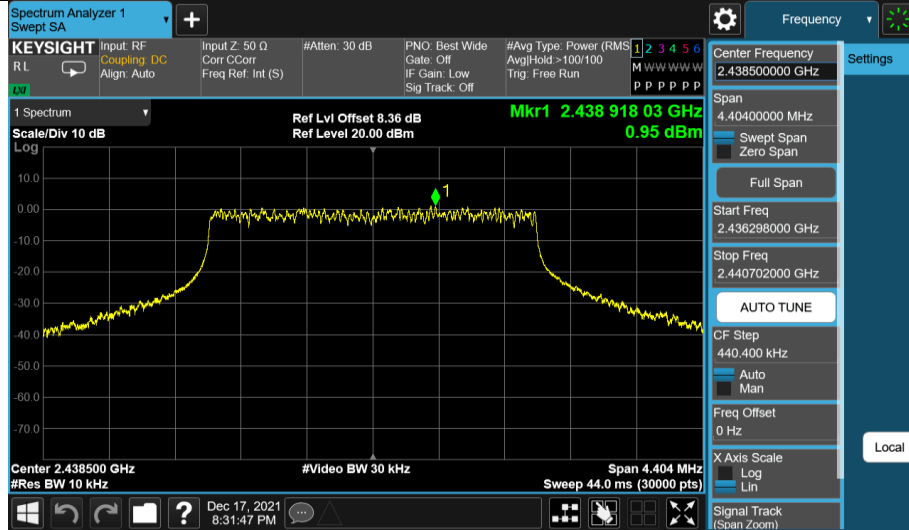


2.4GHz SDR, 3MHz BW
 MIMO mode

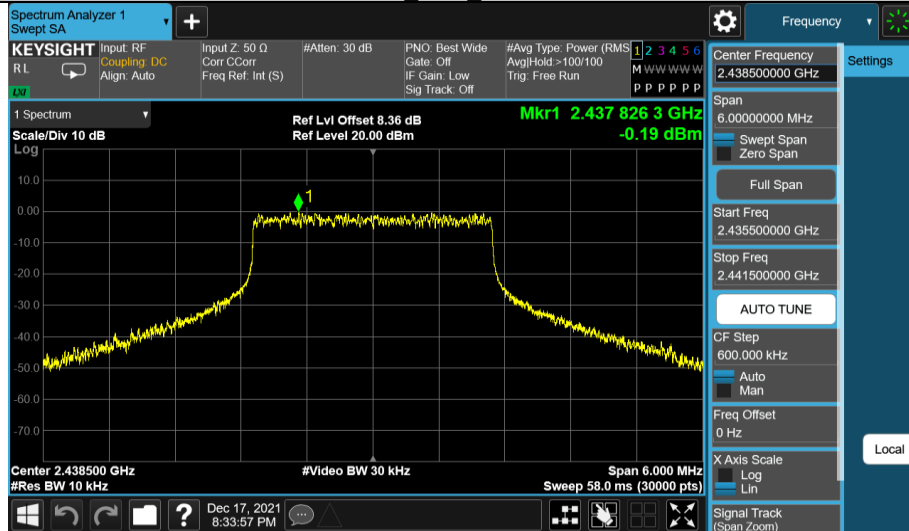
| TestMode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|----------------------|-----------------|---------|
| 3MHz | Ant1 | 2405.5 | 0.41 | ≤8 | PASS |
| | Ant2 | 2405.5 | -1.32 | ≤8 | PASS |
| | Ant1 | 2438.5 | 0.95 | ≤8 | PASS |
| | Ant2 | 2438.5 | -0.19 | ≤8 | PASS |
| | Ant1 | 2474.5 | 1.92 | ≤8 | PASS |
| | Ant2 | 2474.5 | 0.65 | ≤8 | PASS |



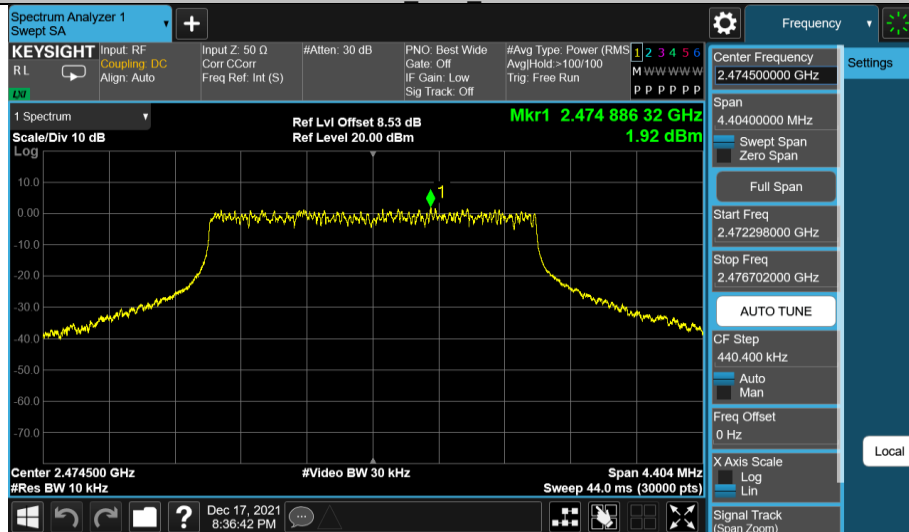
3M Ant1 2438.5



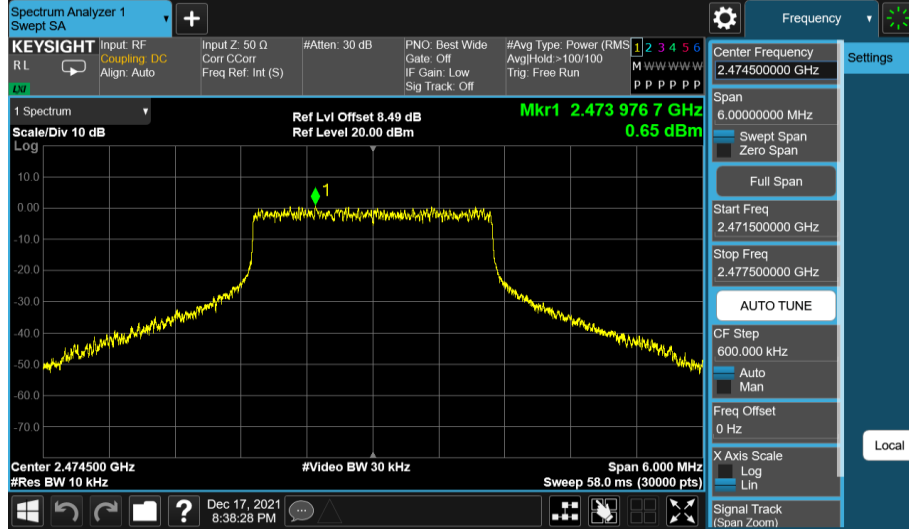
3M Ant2 2438.5



3M Ant1 2474.5



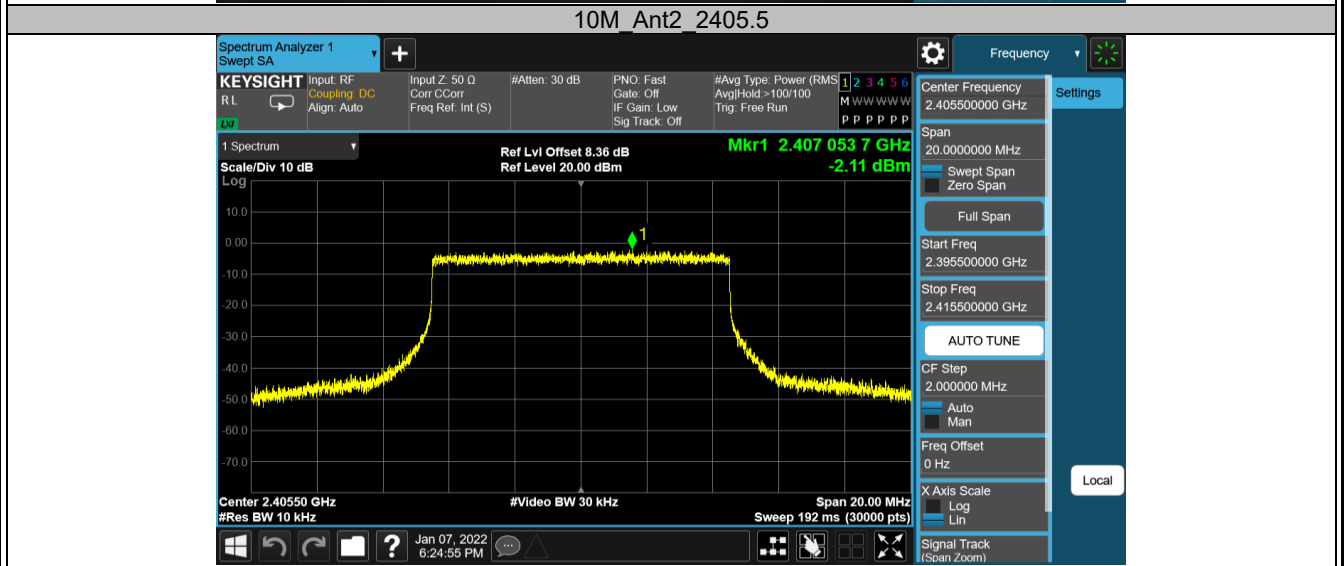
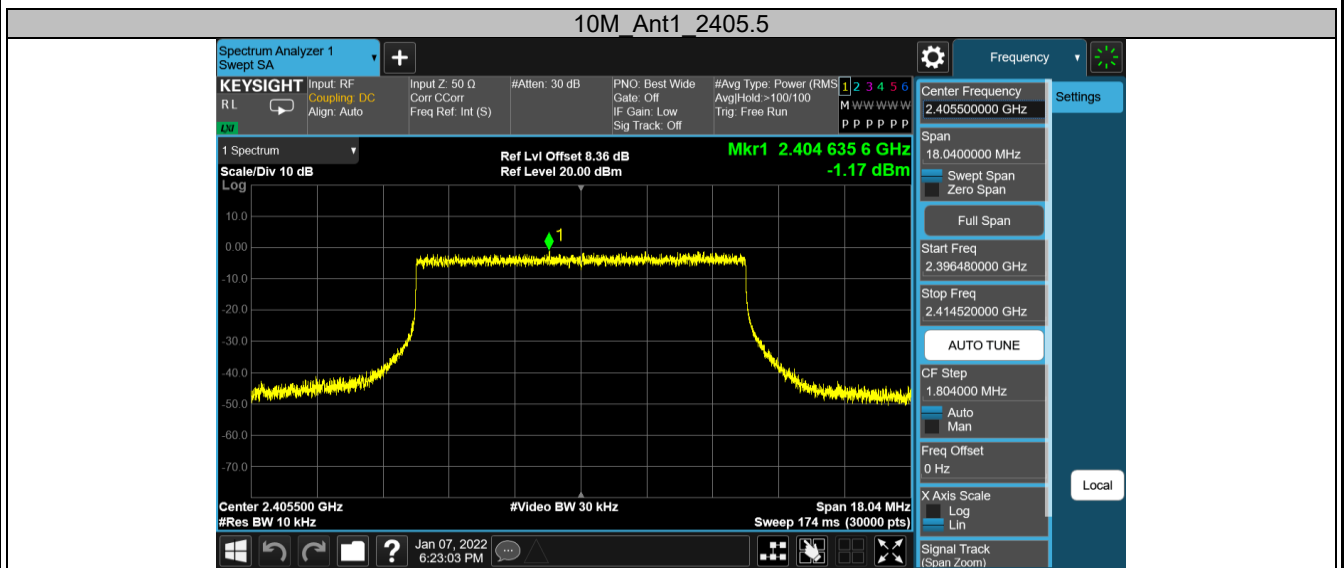
3M_Ant2_2474.5



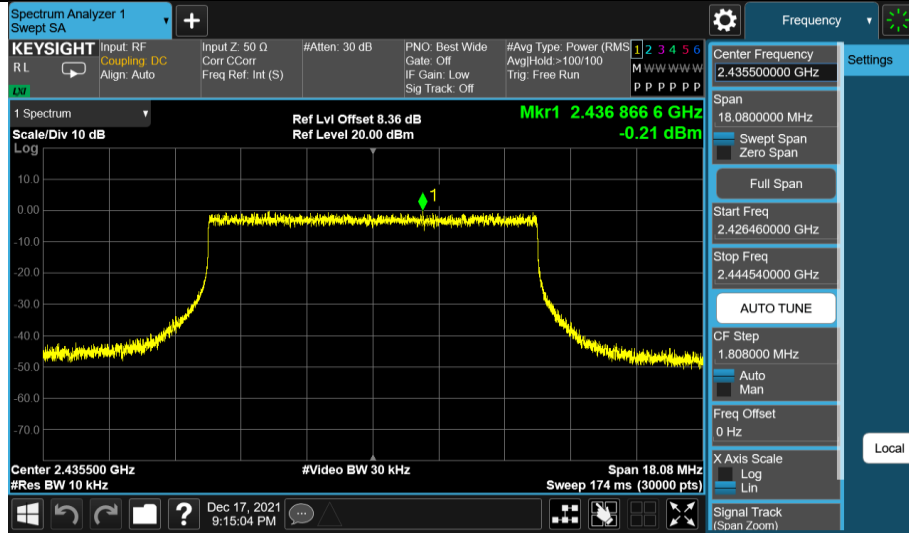
2.4GHz SDR, 10MHz BW

MIMO mode

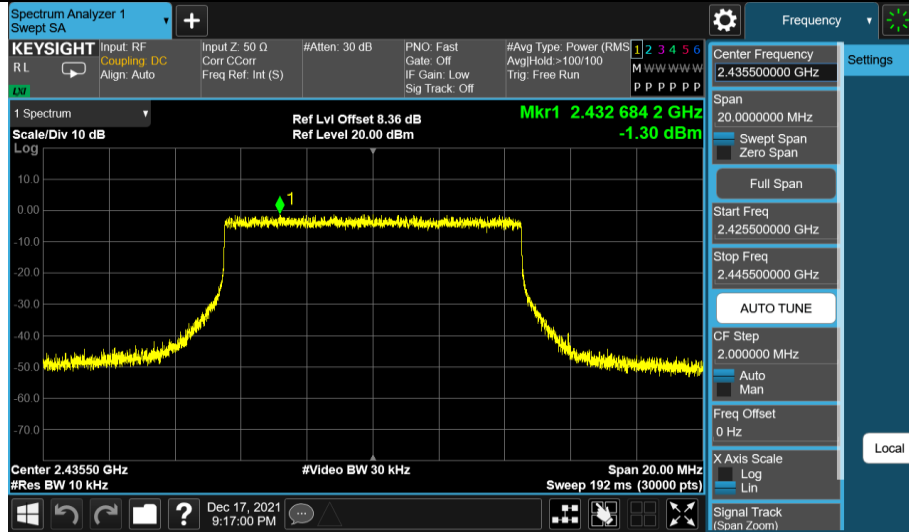
| TestMode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|----------------------|-----------------|---------|
| 10MHz | Ant1 | 2405.5 | -1.18 | ≤8 | PASS |
| | Ant2 | 2405.5 | -2.11 | ≤8 | PASS |
| | Ant1 | 2435.5 | -0.21 | ≤8 | PASS |
| | Ant2 | 2435.5 | -1.3 | ≤8 | PASS |
| | Ant1 | 2475.5 | -8.4 | ≤8 | PASS |
| | Ant2 | 2475.5 | -9.22 | ≤8 | PASS |



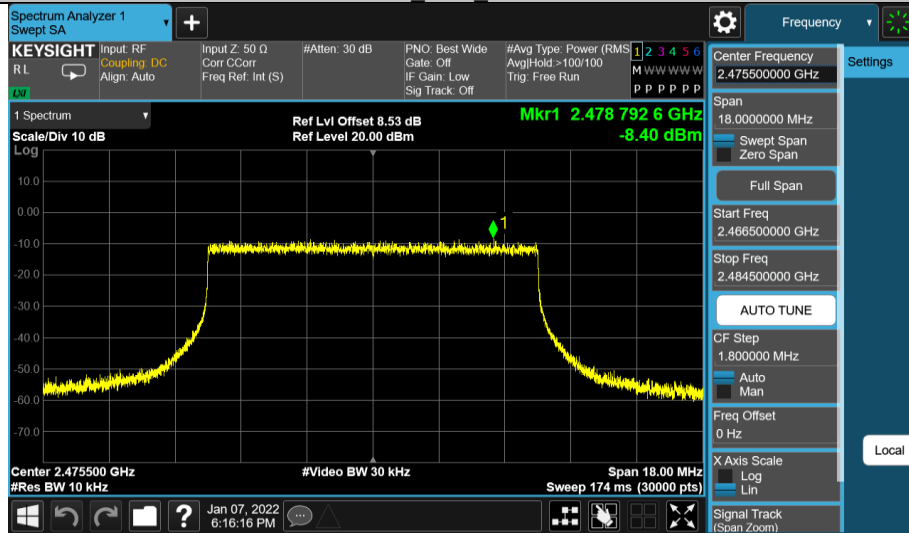
10M Ant1 2435.5



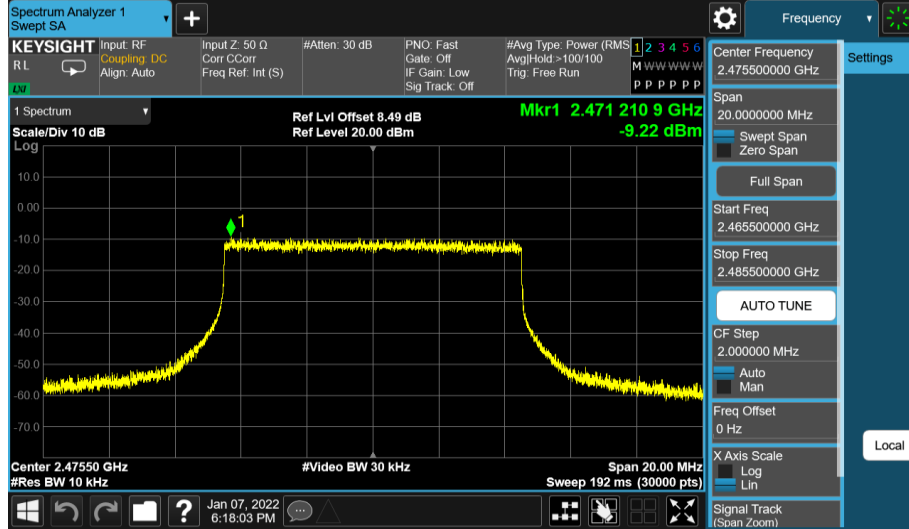
10M Ant2 2435.5



10M Ant1 2475.5

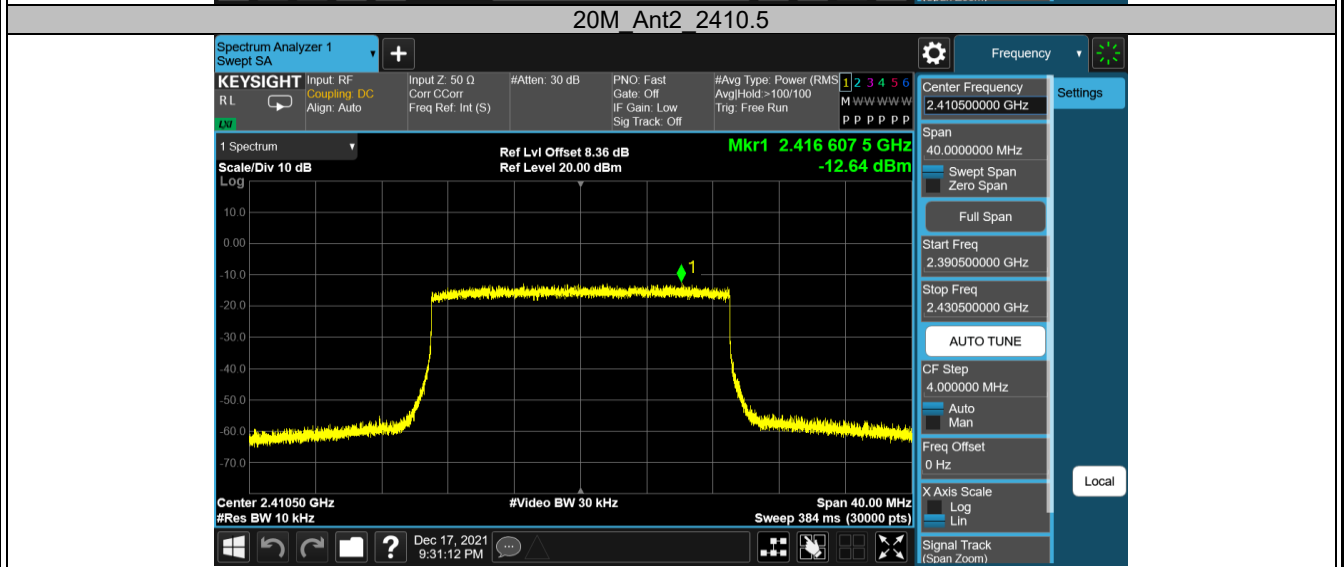
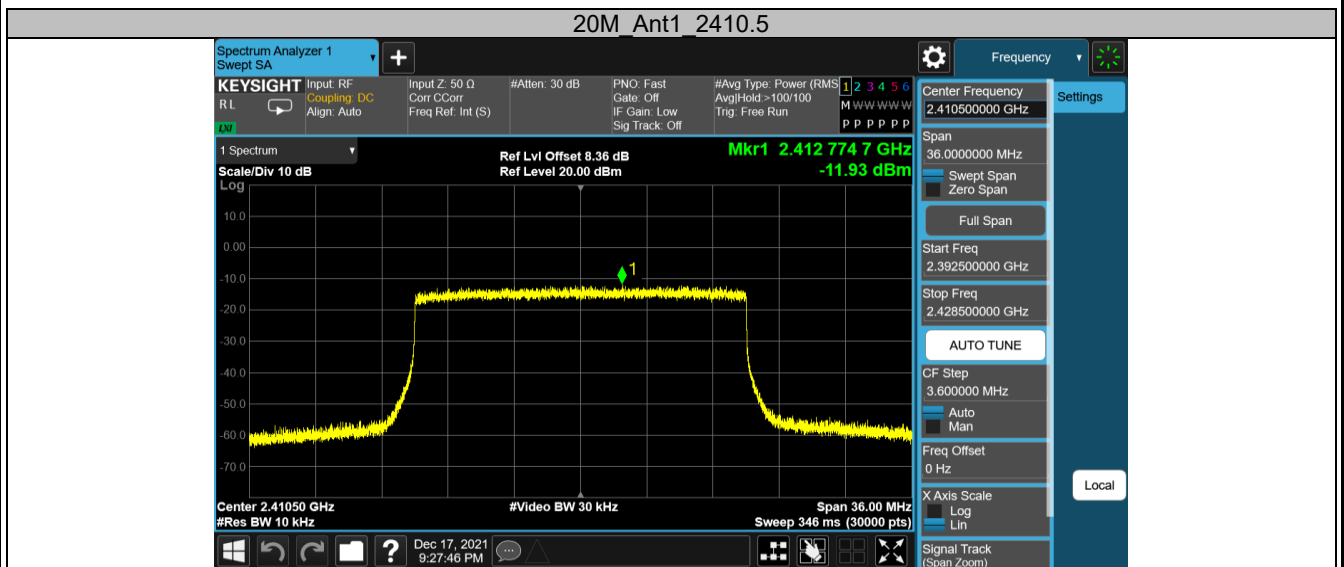


10M Ant2_2475.5

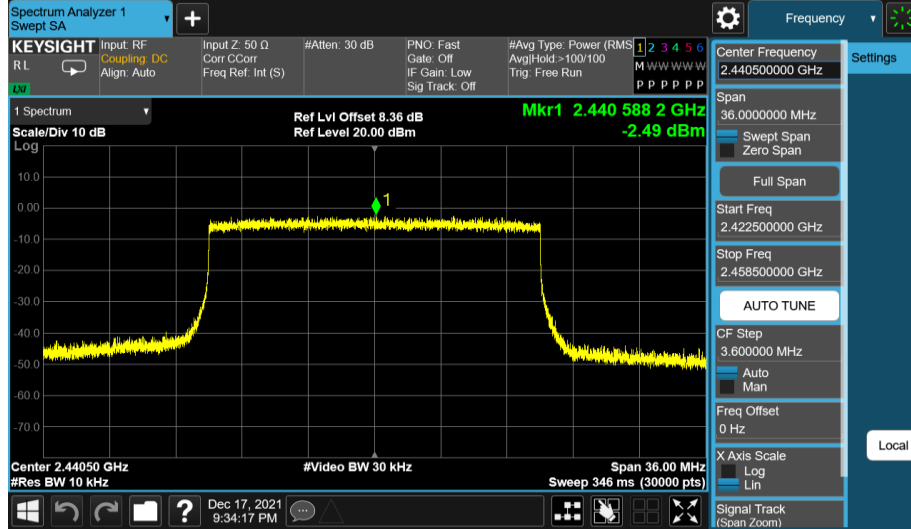


2.4GHz SDR, 20MHz BW
 MIMO mode

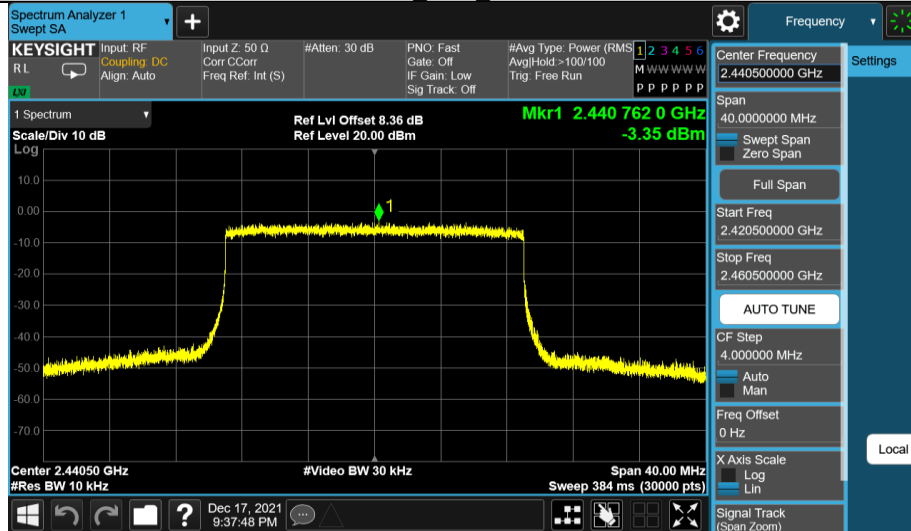
| TestMode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|----------------------|-----------------|---------|
| 20MHz | Ant1 | 2410.5 | -11.93 | ≤8 | PASS |
| | Ant2 | 2410.5 | -12.64 | ≤8 | PASS |
| | Ant1 | 2440.5 | -2.49 | ≤8 | PASS |
| | Ant2 | 2440.5 | -3.35 | ≤8 | PASS |
| | Ant1 | 2471.5 | -20.05 | ≤8 | PASS |
| | Ant2 | 2471.5 | -16.67 | ≤8 | PASS |



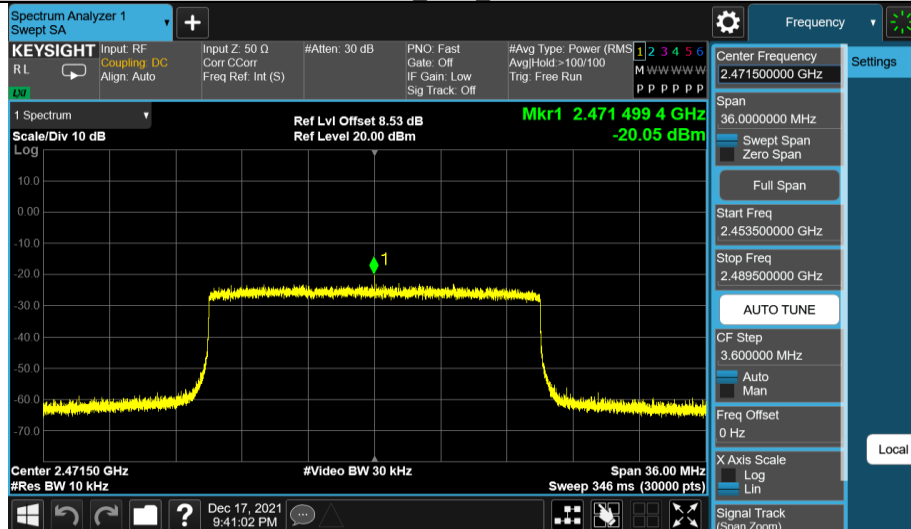
20M Ant1 2440.5



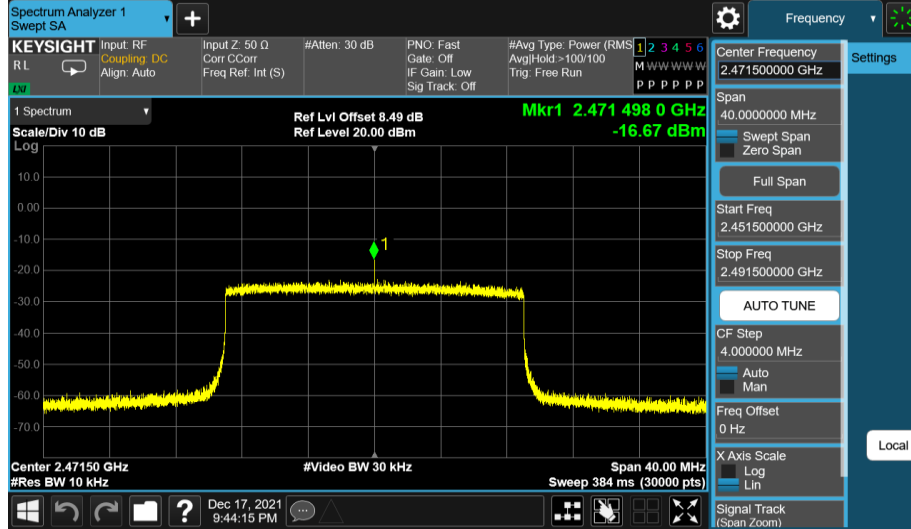
20M Ant2 2440.5



20M Ant1 2471.5



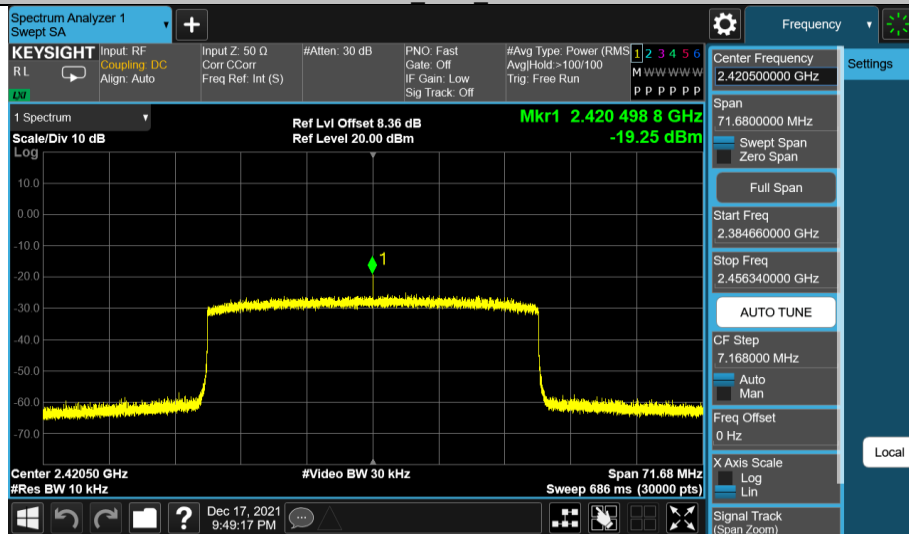
20M Ant2 2471.5



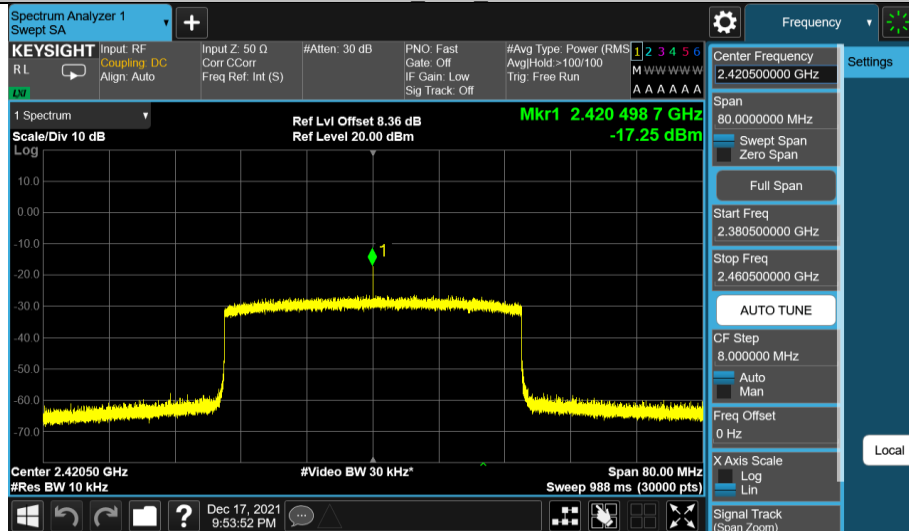
2.4GHz SDR, 40MHz BW
 MIMO mode

| TestMode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|----------------------|-----------------|---------|
| 40MHz | Ant1 | 2420.5 | -19.25 | ≤8 | PASS |
| | Ant2 | 2420.5 | -17.25 | ≤8 | PASS |
| | Ant1 | 2441.5 | -5.7 | ≤8 | PASS |
| | Ant2 | 2441.5 | -6.36 | ≤8 | PASS |
| | Ant1 | 2462.5 | -19.94 | ≤8 | PASS |
| | Ant2 | 2462.5 | -18.69 | ≤8 | PASS |

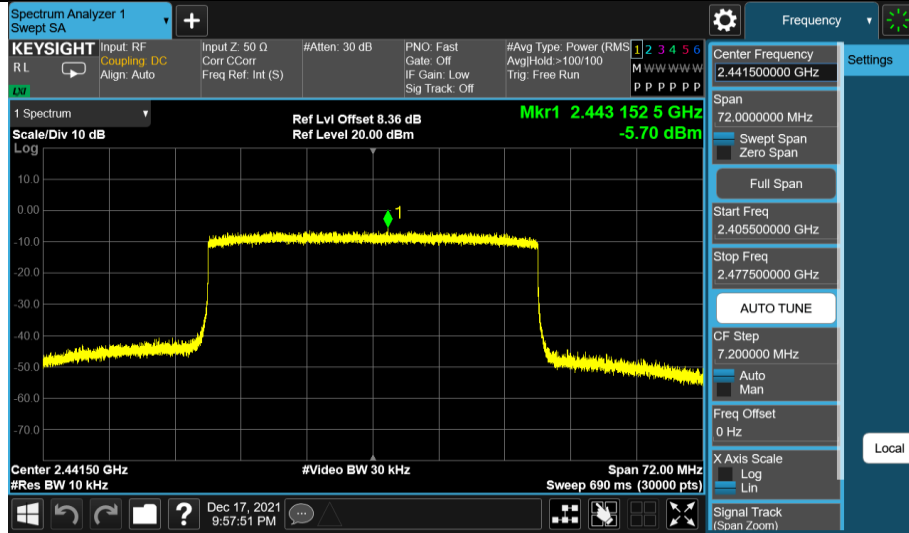
40M_Ant1_2420.5



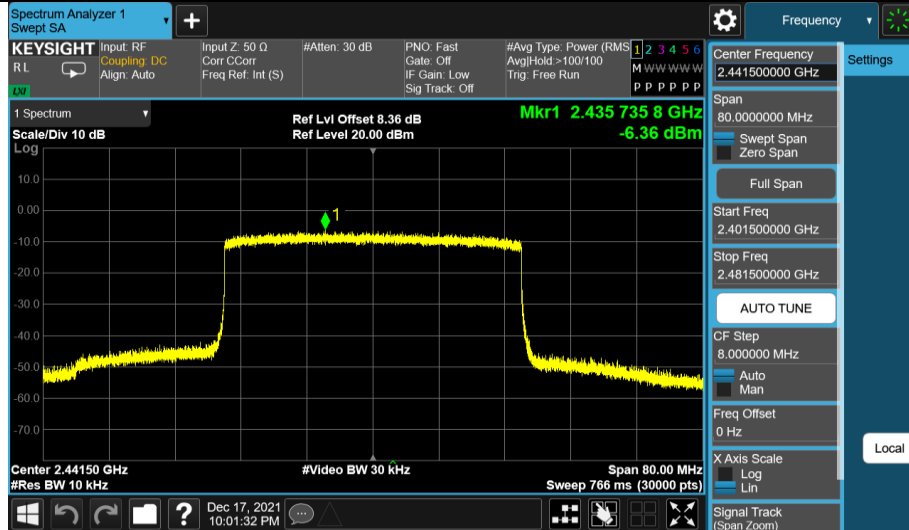
40M_Ant2_2420.5



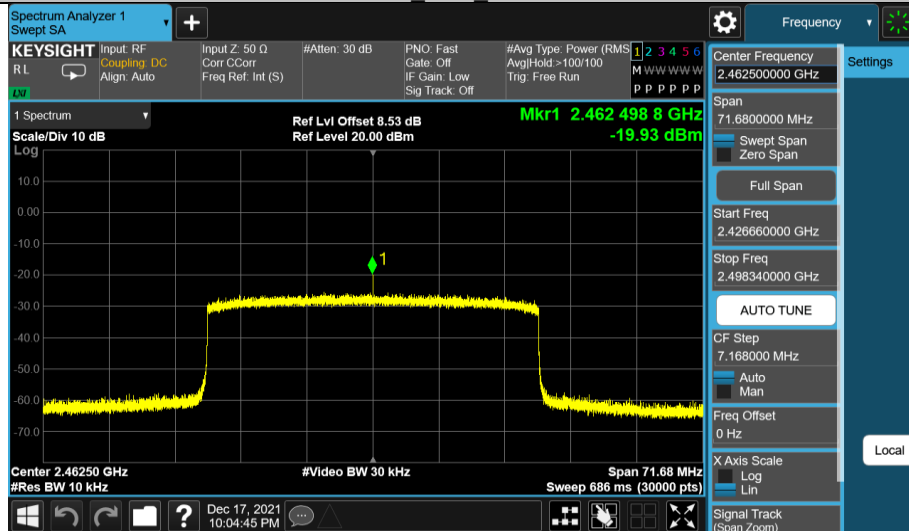
40M Ant1 2441.5



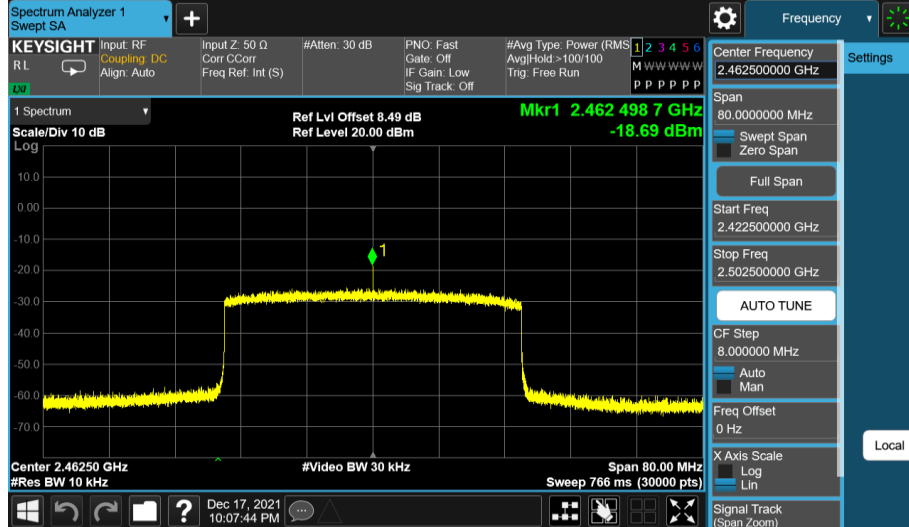
40M Ant2 2441.5



40M Ant1 2462.5



40M Ant2_2462.5

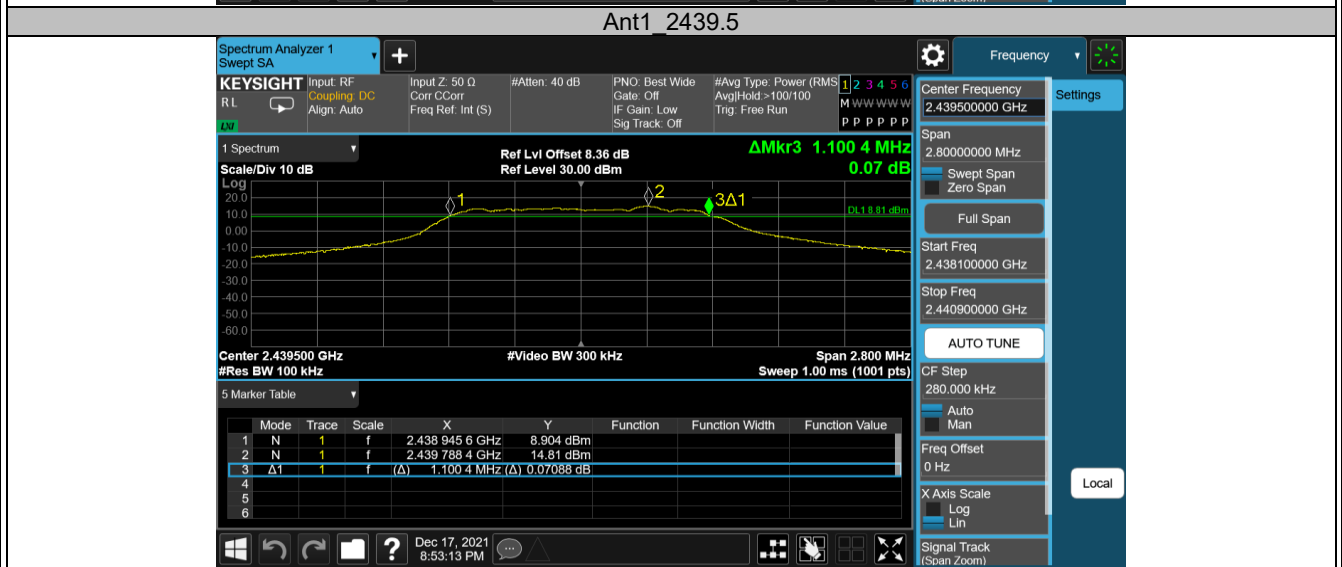
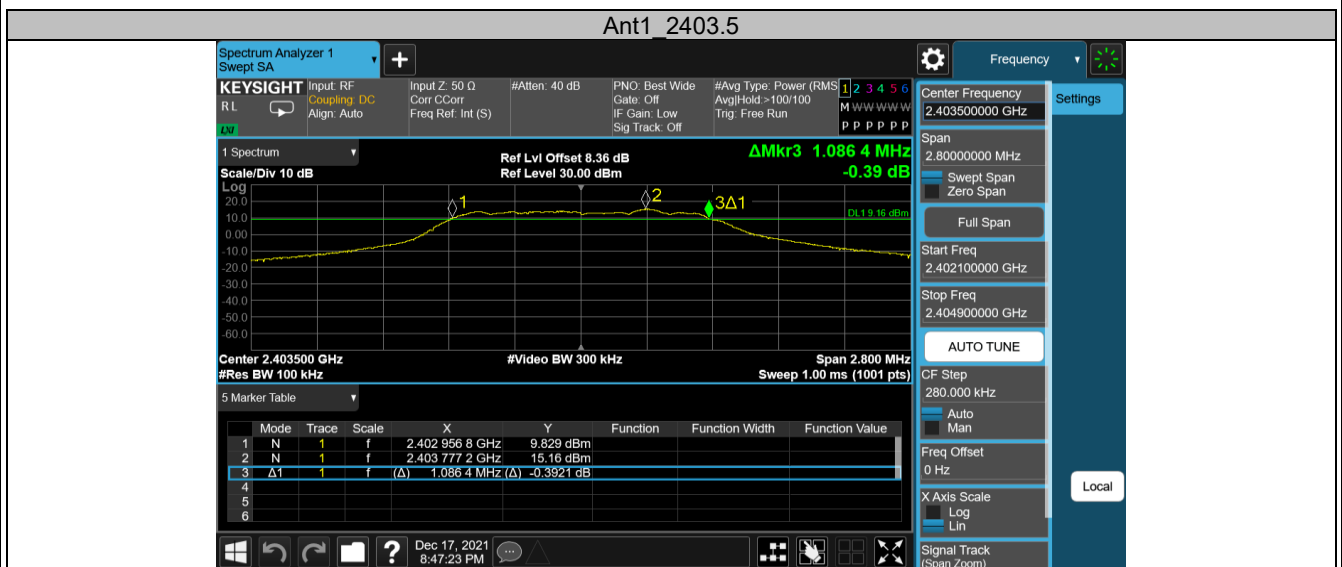


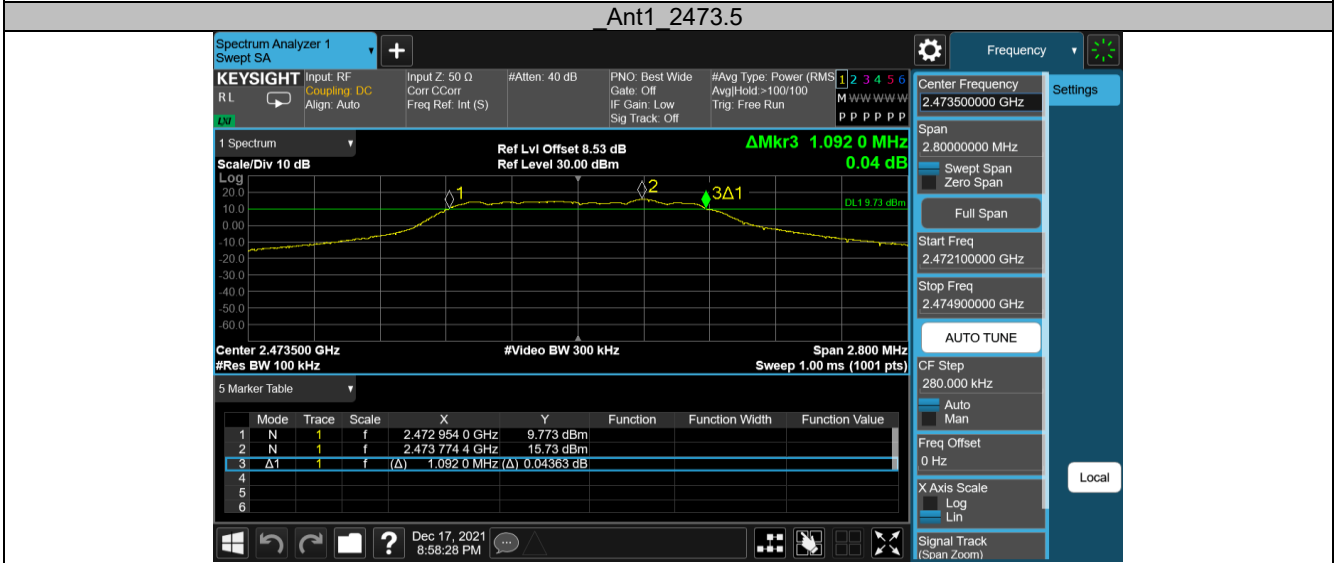
Appendix A.2: Test Results of 6dB Bandwidth

Note: The two outputs have similar characteristics on bandwidth parameter. And both of them tested, only the worst-case reported.

2.4GHz SDR, 1.4MHz BW

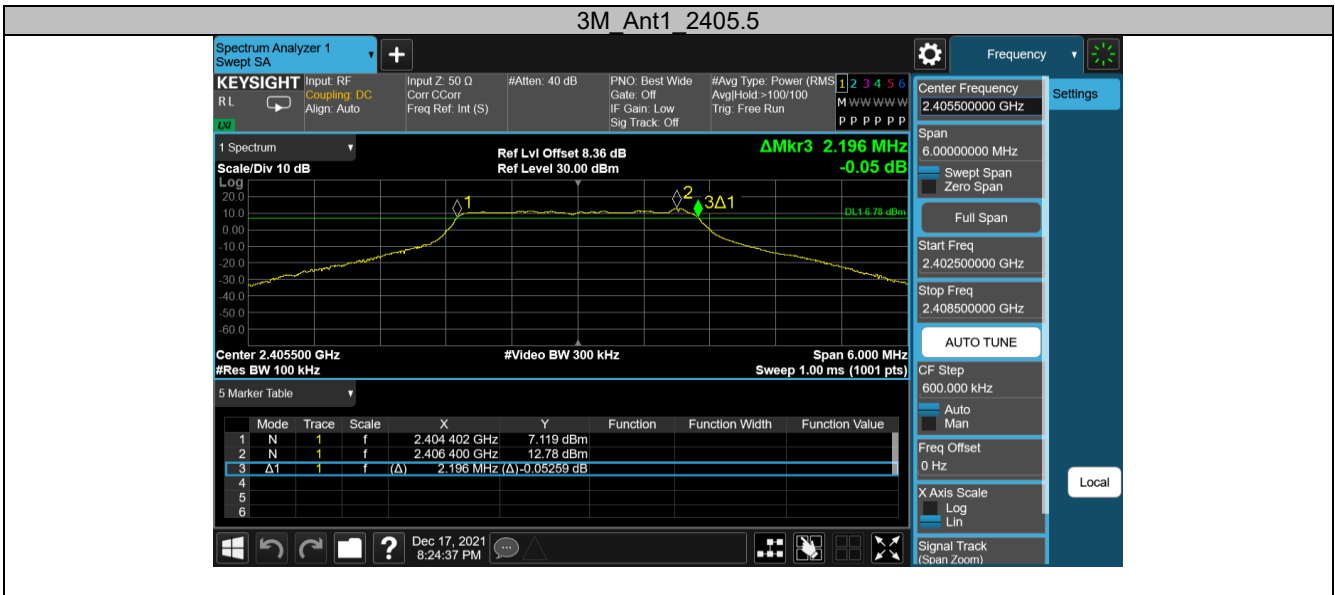
| Antenna | Channel | DTS BW[MHz] | Limit[MHz] | Verdict |
|---------|---------|-------------|------------|---------|
| Ant1 | 2403.5 | 1.086 | 0.5 | PASS |
| | 2439.5 | 1.100 | 0.5 | PASS |
| | 2473.5 | 1.092 | 0.5 | PASS |



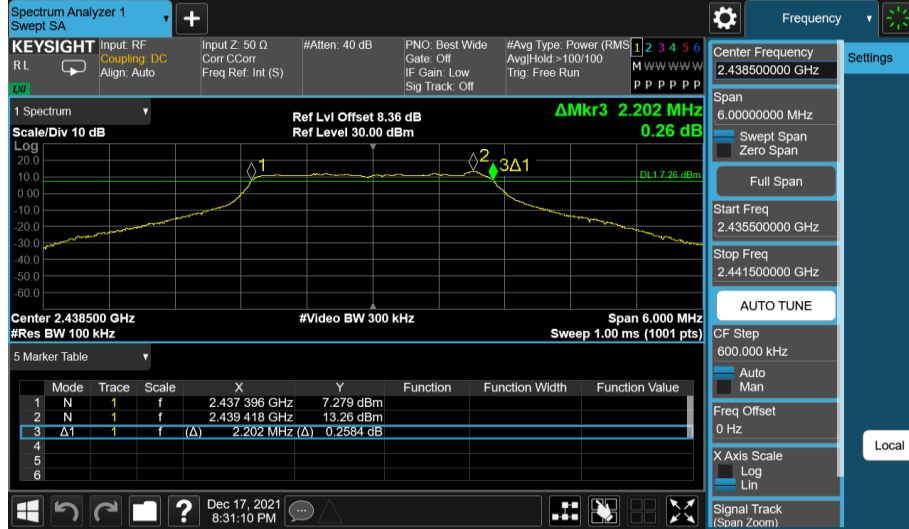


2.4GHz SDR, 3MHz BW

| Antenna | Channel | DTS BW[MHz] | Limit[MHz] | Verdict |
|---------|---------|-------------|------------|---------|
| Ant1 | 2405.5 | 2.196 | 0.5 | PASS |
| | 2438.5 | 2.202 | 0.5 | PASS |
| | 2474.5 | 2.202 | 0.5 | PASS |



3M Ant1 2438.5



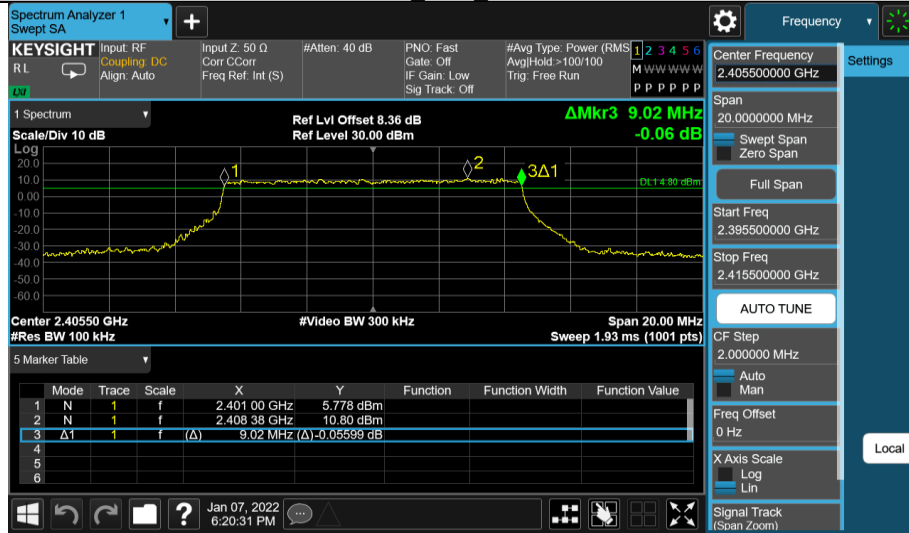
3M Ant1 2474.5



2.4GHz SDR, 10MHz BW

| Antenna | Channel | DTS BW[MHz] | Limit[MHz] | Verdict |
|---------|---------|-------------|------------|---------|
| Ant1 | 2405.5 | 9.020 | 0.5 | PASS |
| | 2435.5 | 9.040 | 0.5 | PASS |
| | 2475.5 | 9.000 | 0.5 | PASS |

10M_Ant1_2405.5



10M_Ant1_2435.5

