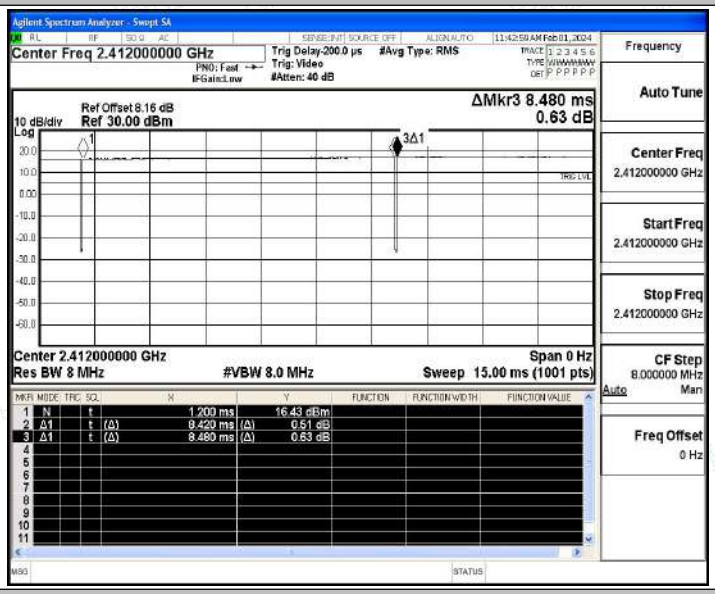
# A.6 Duty Cycle

## Test Result

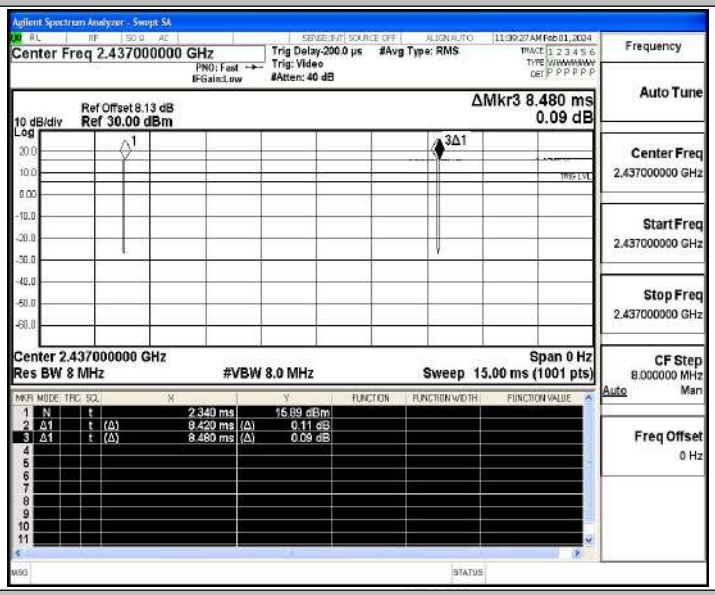
| TestMode | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Factor | 1/T Factor[kHz] | Verdict |
|---|---|---|---|---|---|---|---|---|
| 11B | Ant0 | 2412 | 8.42 | 8.48 | 99.29 | 0.03 | 0.12 | --- |
| | | 2437 | 8.42 | 8.48 | 99.29 | 0.03 | 0.12 | --- |
| | | 2462 | 8.42 | 8.48 | 99.29 | 0.03 | 0.12 | --- |
| 11G | Ant0 | 2412 | 1.40 | 1.46 | 95.89 | 0.18 | 0.71 | --- |
| | | 2437 | 1.39 | 1.46 | 95.21 | 0.21 | 0.72 | --- |
| | | 2462 | 1.39 | 1.46 | 95.21 | 0.21 | 0.72 | --- |
| 11N20SISO | Ant0 | 2412 | 1.18 | 1.24 | 95.16 | 0.22 | 0.85 | --- |
| | | 2437 | 1.18 | 1.24 | 95.16 | 0.22 | 0.85 | --- |
| | | 2462 | 1.18 | 1.24 | 95.16 | 0.22 | 0.85 | --- |
| 11N40SISO | Ant0 | 2422 | 0.59 | 0.65 | 90.77 | 0.42 | 1.69 | --- |
| | | 2437 | 0.58 | 0.65 | 89.23 | 0.49 | 1.72 | --- |
| | | 2452 | 0.59 | 0.65 | 90.77 | 0.42 | 1.69 | --- |

## Test Graphs

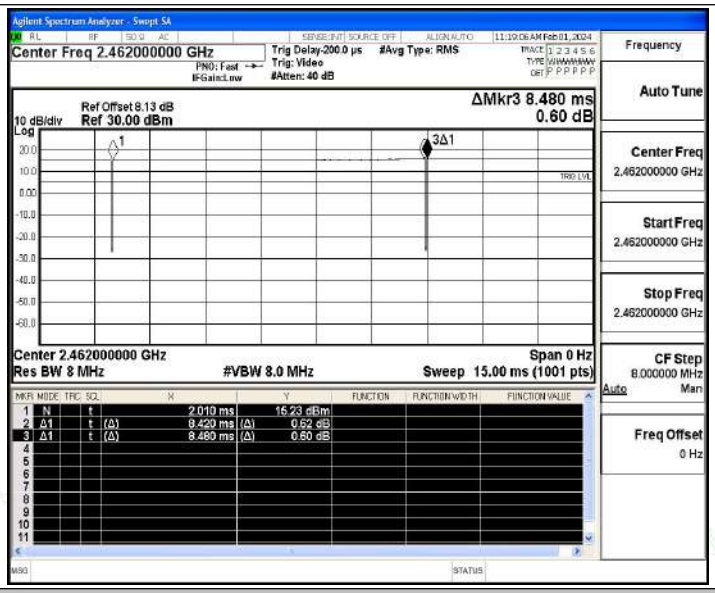
11B_Ant0_2412



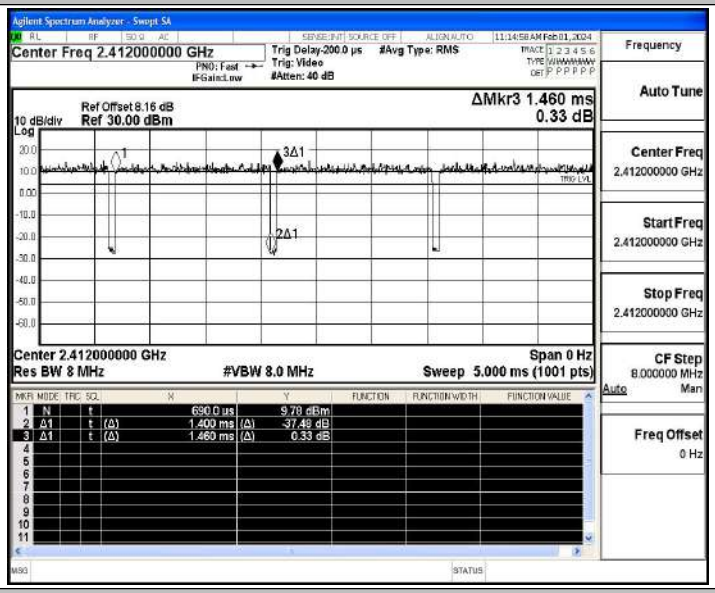

11B_Ant0_2437



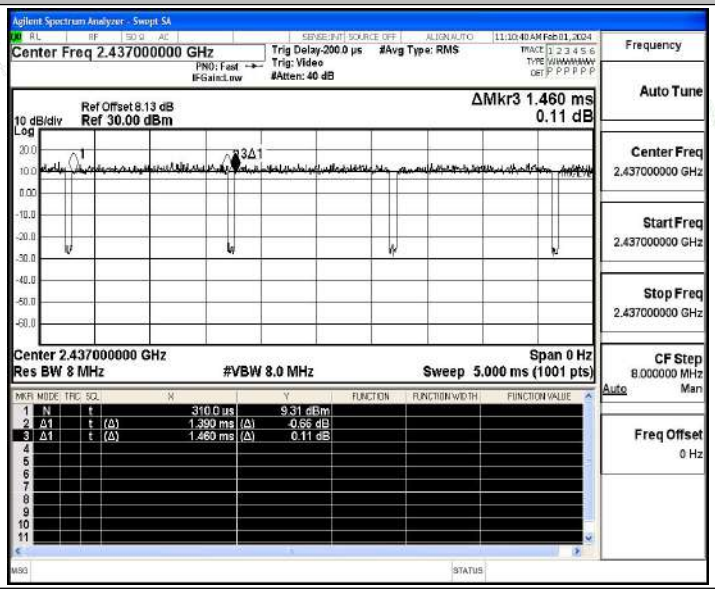

11B_Ant0_2462



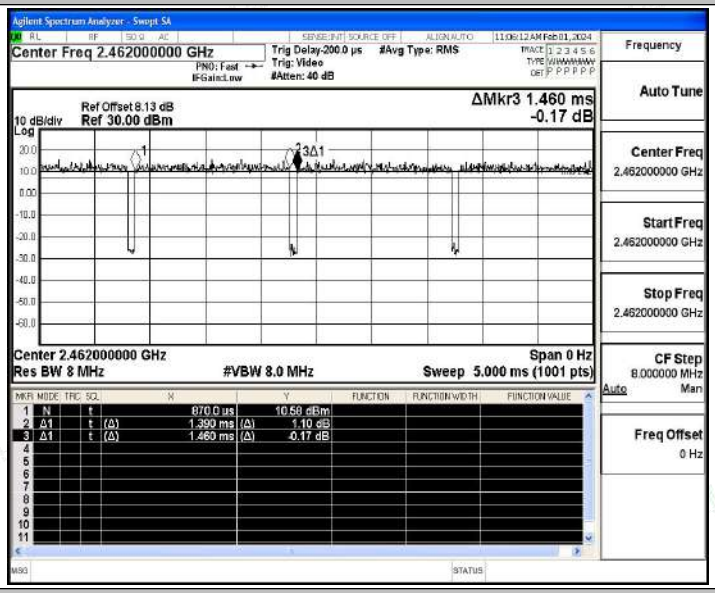

11G_Ant0_2412



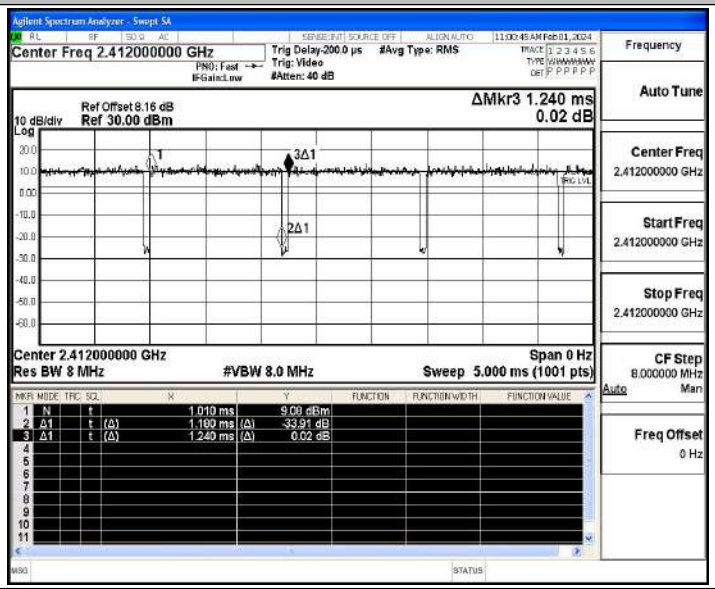

11G_Ant0_2437



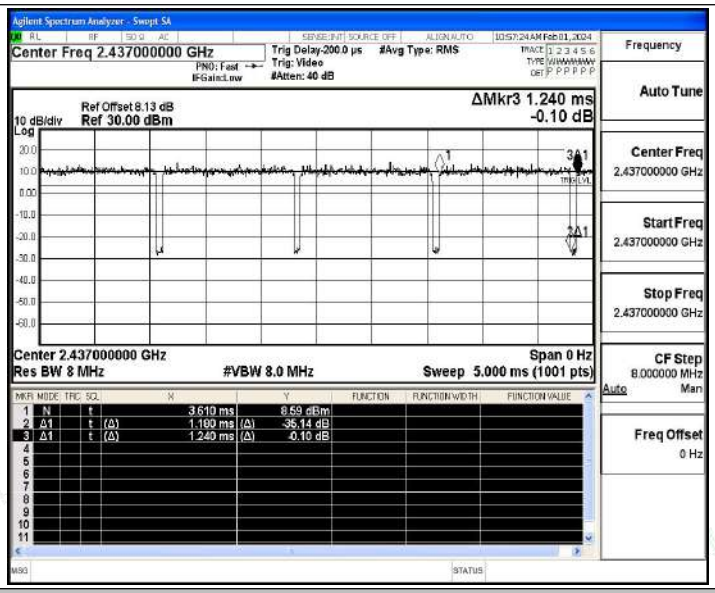
11G_Ant0_2462



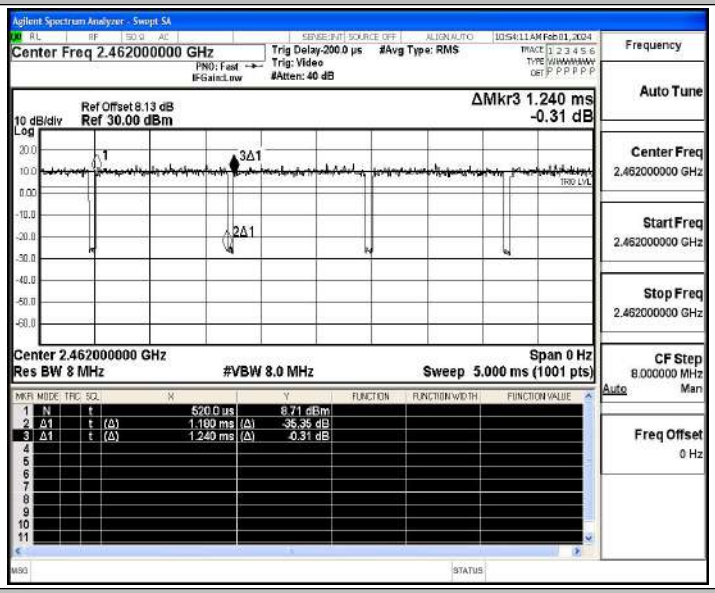

11N20SISO_Ant0_2412



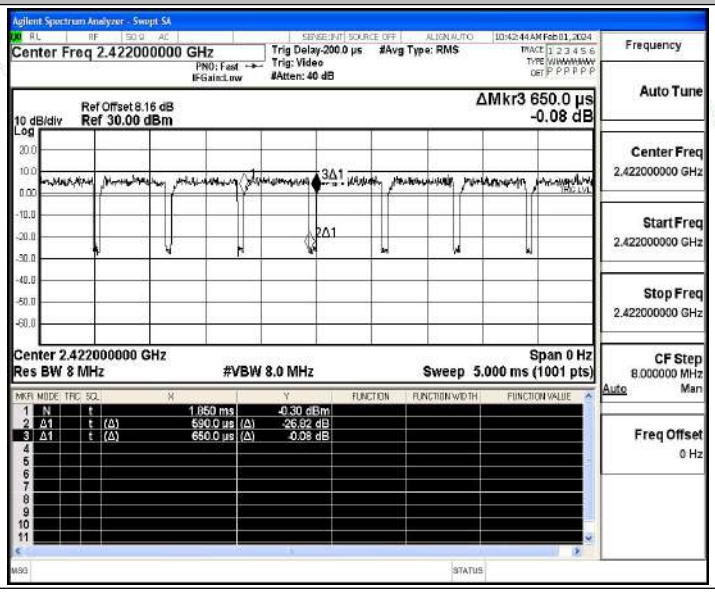

11N20SISO_Ant0_2437



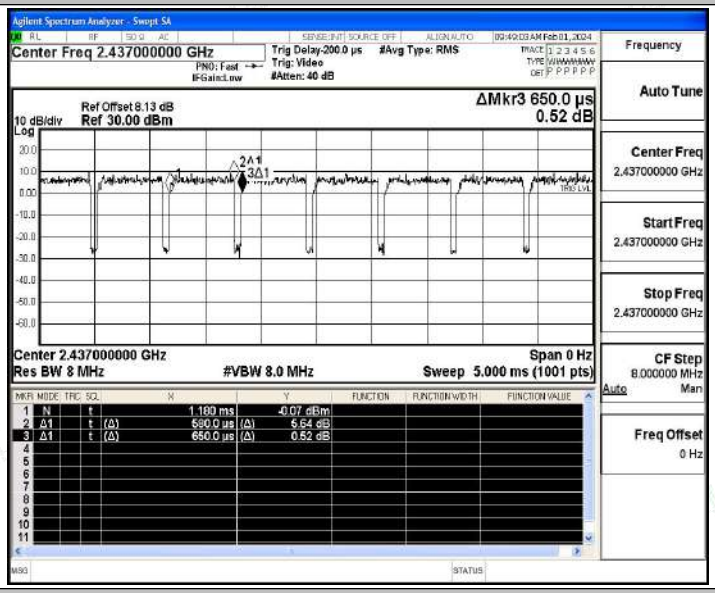

11N20SISO_Ant0_2462



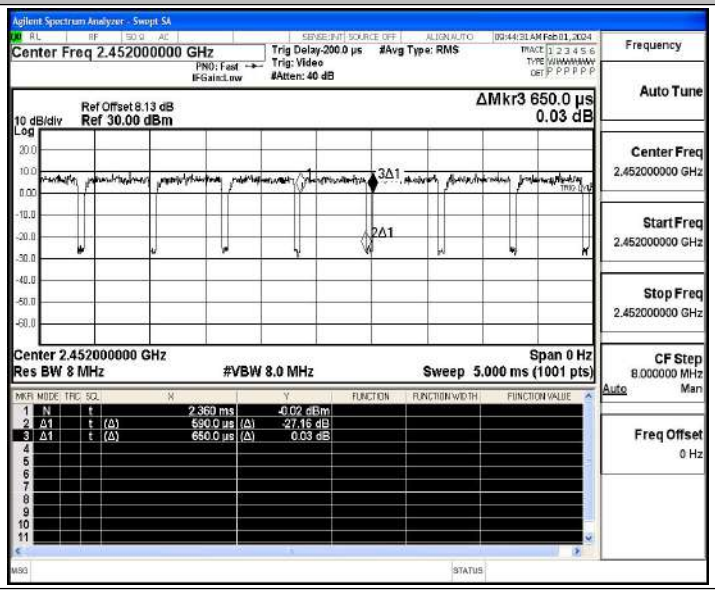

11N40SISO_Ant0_2422



11N40SISO_Ant0_2437




11N40SISO_Ant0_2452

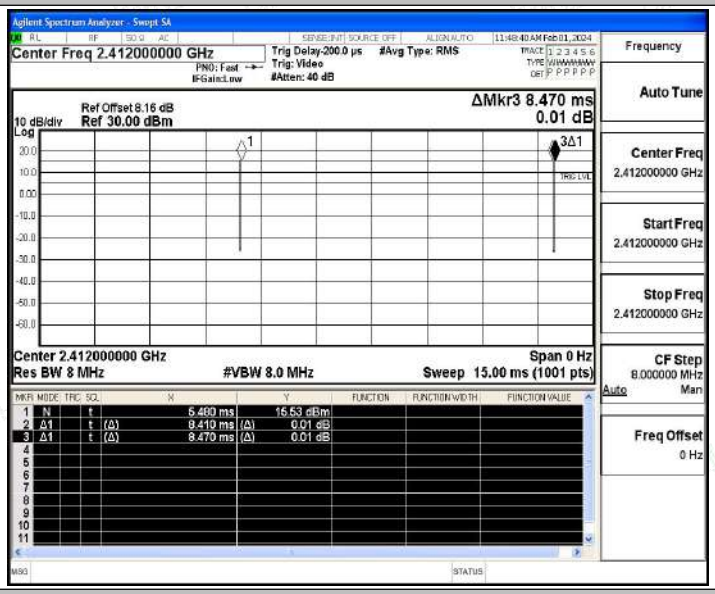


## Test Result

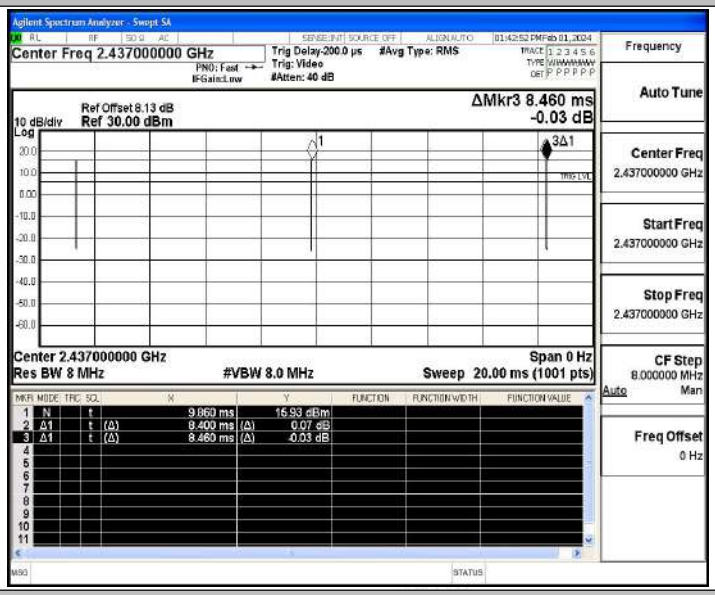
| TestMode | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Factor | 1/T Factor[kHz] | Verdict |
|---|---|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | 8.41 | 8.47 | 99.29 | 0.03 | 0.12 | --- |
| | | 2437 | 8.40 | 8.46 | 99.29 | 0.03 | 0.12 | --- |
| | | 2462 | 8.41 | 8.47 | 99.29 | 0.03 | 0.12 | --- |
| 11G | Ant1 | 2412 | 1.39 | 1.46 | 95.21 | 0.21 | 0.72 | --- |
| | | 2437 | 1.39 | 1.46 | 95.21 | 0.21 | 0.72 | --- |
| | | 2462 | 1.39 | 1.46 | 95.21 | 0.21 | 0.72 | --- |
| 11N20SISO | Ant1 | 2412 | 1.18 | 1.24 | 95.16 | 0.22 | 0.85 | --- |
| | | 2437 | 1.18 | 1.25 | 94.40 | 0.25 | 0.85 | --- |
| | | 2462 | 1.18 | 1.24 | 95.16 | 0.22 | 0.85 | --- |
| 11N40SISO | Ant1 | 2422 | 0.59 | 0.65 | 90.77 | 0.42 | 1.69 | --- |
| | | 2437 | 0.59 | 0.65 | 90.77 | 0.42 | 1.69 | --- |
| | | 2452 | 0.58 | 0.65 | 89.23 | 0.49 | 1.72 | --- |

## Test Graphs

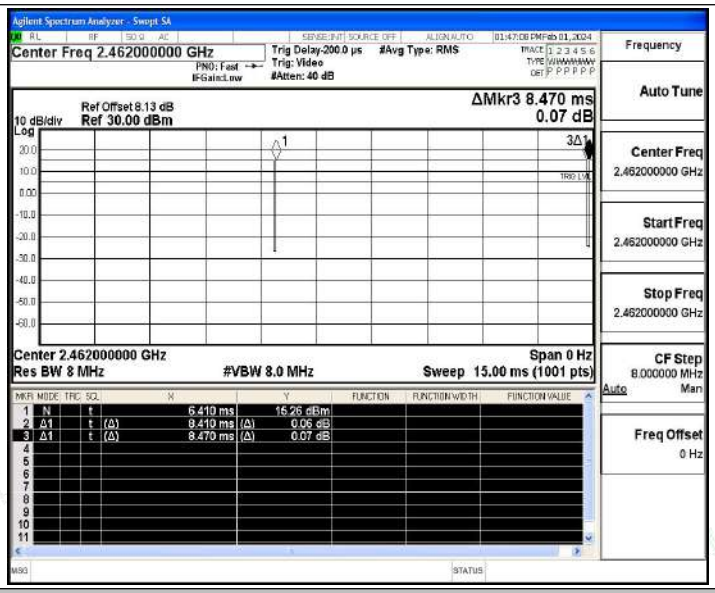
11B_Ant1_2412



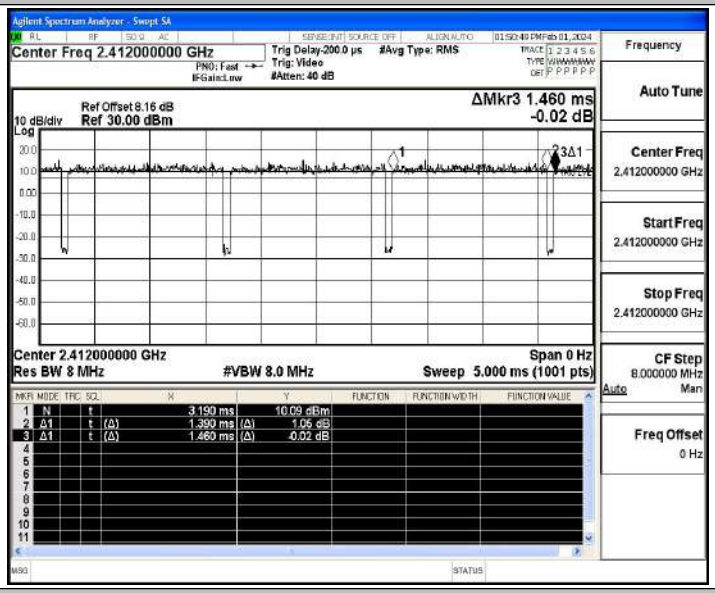

11B_Ant1_2437



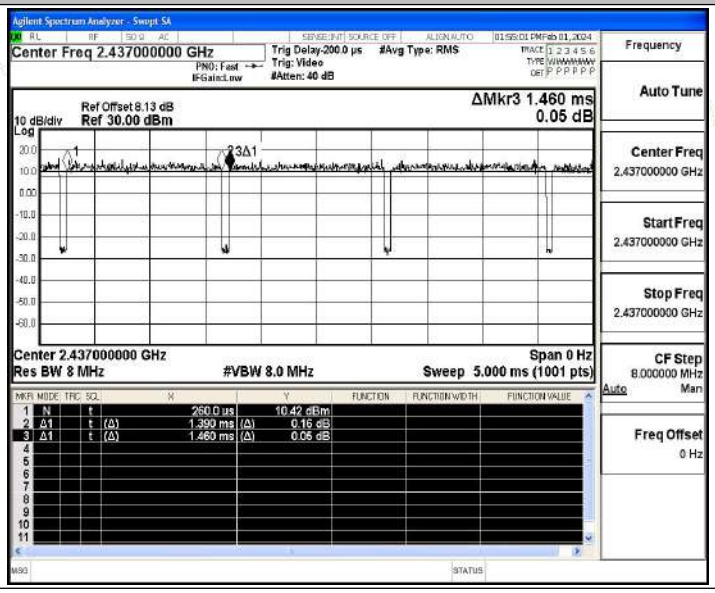

11B_Ant1_2462



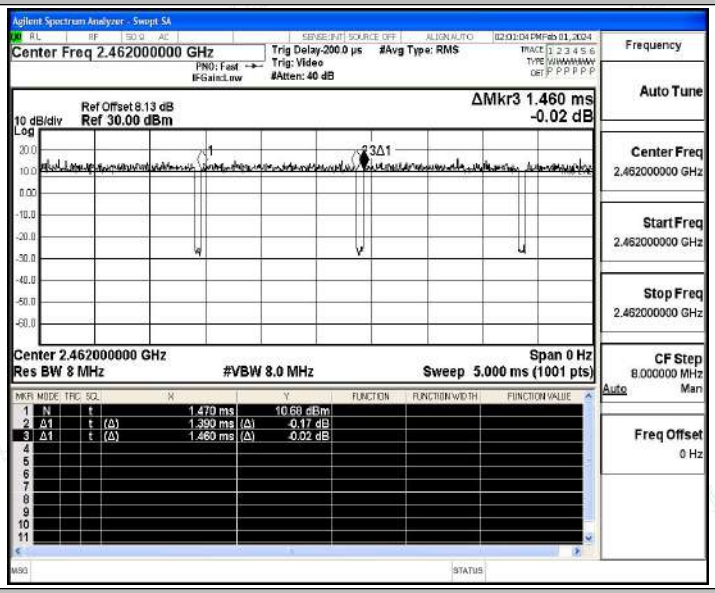

11G_Ant1_2412



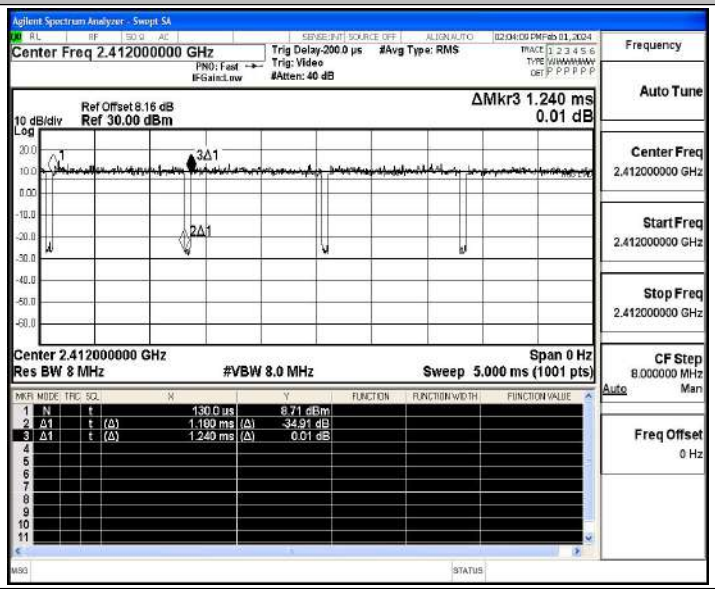

11G_Ant1_2437



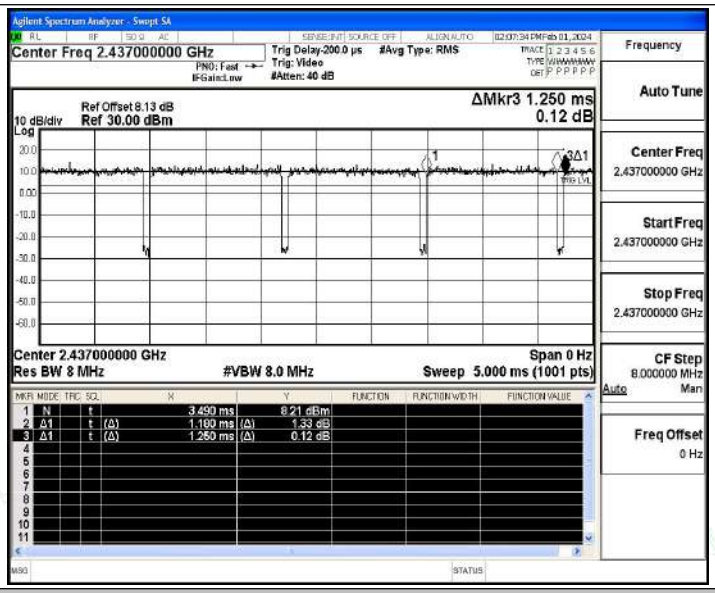
11G_Ant1_2462



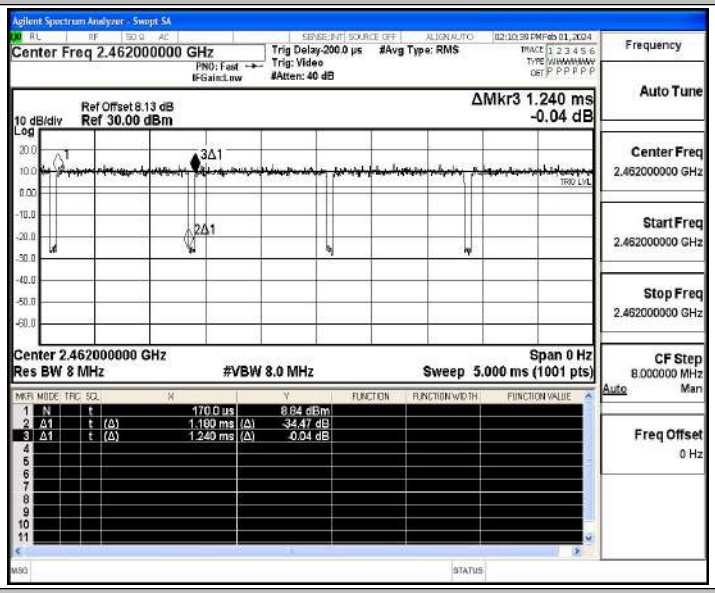

11N20SISO_Ant1_2412



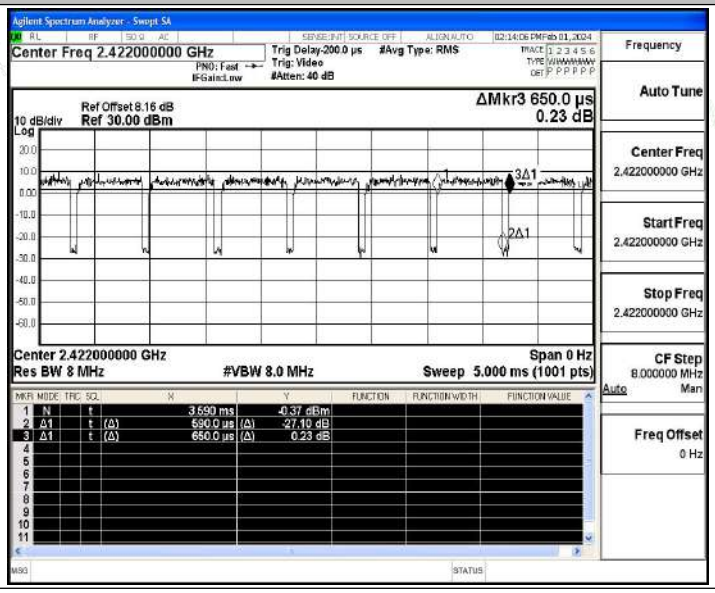

11N20SISO_Ant1_2437



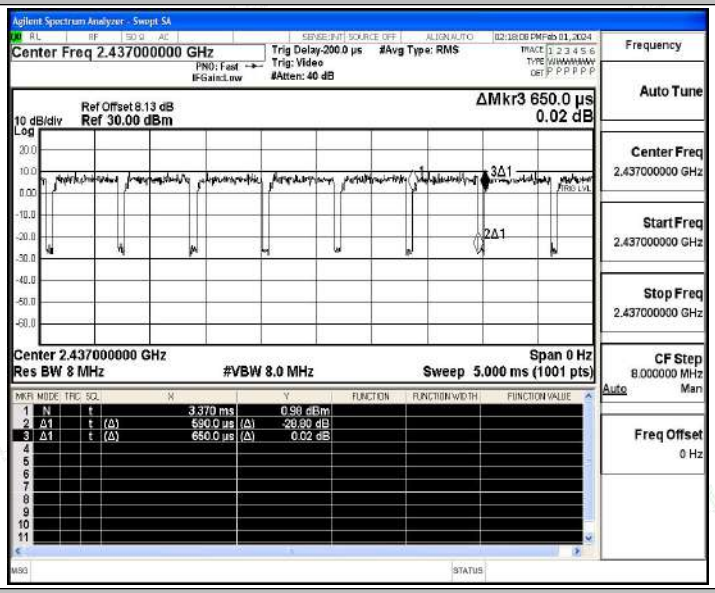

11N20SISO_Ant1_2462



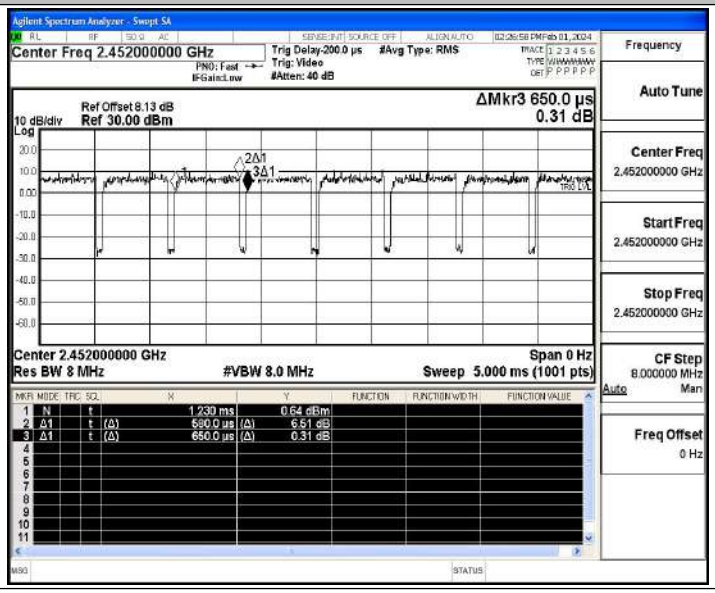

11N40SISO_Ant1_2422



11N40SISO_Ant1_2437




11N40SISO_Ant1_2452



# A.7 Emissions in Restricted Bands

## Test Result

| TestMode | Antenna | ChName | Freq(MHz) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| 11B | Ant0 | Low | 2412 | AV | 2310.000 | -49.93 | ≤-41.20 | 45.27 | ≤54 | PASS |
| | | | | AV | 2386.580 | -48.92 | ≤-41.20 | 46.28 | ≤54 | PASS |
| | | | | AV | 2390.000 | -49.04 | ≤-41.20 | 46.16 | ≤54 | PASS |
| | | | | Peak | 2310.000 | -43.3 | ≤-21.20 | 51.90 | ≤74 | PASS |
| | | | | Peak | 2345.500 | -39.05 | ≤-21.20 | 56.15 | ≤74 | PASS |
| | | | | Peak | 2390.000 | -41.57 | ≤-21.20 | 53.63 | ≤74 | PASS |
| | | High | 2462 | AV | 2483.500 | -48.71 | ≤-41.20 | 46.49 | ≤54 | PASS |
| | | | | AV | 2489.170 | -48.51 | ≤-41.20 | 46.69 | ≤54 | PASS |
| | | | | AV | 2500.000 | -49.65 | ≤-41.20 | 45.55 | ≤54 | PASS |
| | | | | Peak | 2483.500 | -40.08 | ≤-21.20 | 55.12 | ≤74 | PASS |
| | | | | Peak | 2496.430 | -38.36 | ≤-21.20 | 56.84 | ≤74 | PASS |
| | | | | Peak | 2500.000 | -41.6 | ≤-21.20 | 53.60 | ≤74 | PASS |
| 11G | Ant0 | Low | 2412 | AV | 2310.000 | -49.95 | ≤-41.20 | 45.25 | ≤54 | PASS |
| | | | | AV | 2389.570 | -48.36 | ≤-41.20 | 46.84 | ≤54 | PASS |
| | | | | AV | 2390.000 | -48.53 | ≤-41.20 | 46.67 | ≤54 | PASS |
| | | | | Peak | 2310.000 | -42.28 | ≤-21.20 | 52.92 | ≤74 | PASS |
| | | | | Peak | 2389.180 | -36.29 | ≤-21.20 | 58.91 | ≤74 | PASS |
| | | | | Peak | 2390.000 | -38.41 | ≤-21.20 | 56.79 | ≤74 | PASS |
| | | High | 2462 | AV | 2483.500 | -46.74 | ≤-41.20 | 48.46 | ≤54 | PASS |
| | | | | AV | 2483.670 | -46.47 | ≤-41.20 | 48.73 | ≤54 | PASS |
| | | | | AV | 2500.000 | -49.22 | ≤-41.20 | 45.98 | ≤54 | PASS |
| | | | | Peak | 2483.500 | -31.94 | ≤-21.20 | 63.26 | ≤74 | PASS |
| | | | | Peak | 2483.560 | -30.32 | ≤-21.20 | 64.88 | ≤74 | PASS |
| | | | | Peak | 2500.000 | -41.68 | ≤-21.20 | 53.52 | ≤74 | PASS |
| 11N20SISO | Ant0 | Low | 2412 | AV | 2310.000 | -49.52 | ≤-41.20 | 45.68 | ≤54 | PASS |
| | | | | AV | 2389.440 | -47.44 | ≤-41.20 | 47.76 | ≤54 | PASS |
| | | | | AV | 2390.000 | -48.59 | ≤-41.20 | 46.61 | ≤54 | PASS |
| | | | | Peak | 2310.000 | -40.23 | ≤-21.20 | 54.97 | ≤74 | PASS |
| | | | | Peak | 2389.570 | -30.61 | ≤-21.20 | 64.59 | ≤74 | PASS |
| | | | | Peak | 2390.000 | -38.21 | ≤-21.20 | 56.99 | ≤74 | PASS |
| | | High | 2462 | AV | 2483.500 | -46.16 | ≤-41.20 | 49.04 | ≤54 | PASS |
| | | | | AV | 2484.550 | -45.46 | ≤-41.20 | 49.74 | ≤54 | PASS |
| | | | | AV | 2500.000 | -49.56 | ≤-41.20 | 45.64 | ≤54 | PASS |
| | | | | Peak | 2483.500 | -34.15 | ≤-21.20 | 61.05 | ≤74 | PASS |
| | | | | Peak | 2483.780 | -30.96 | ≤-21.20 | 64.24 | ≤74 | PASS |
| | | | | Peak | 2500.000 | -40.31 | ≤-21.20 | 54.89 | ≤74 | PASS |
| 11N40SI | Ant0 | Low | 2422 | AV | 2310.000 | -49.37 | ≤-41.20 | 45.83 | ≤54 | PASS |

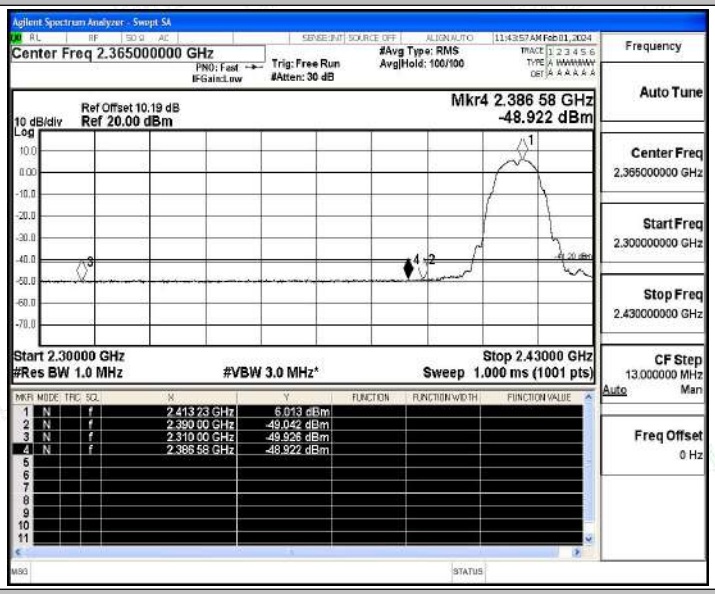
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| SO | | | | AV | 2388.920 | -46.82 | ≤-41.20 | 48.38 | ≤54 | PASS |
| | | | | AV | 2390.000 | -47.46 | ≤-41.20 | 47.74 | ≤54 | PASS |
| | | | | Peak | 2310.000 | -42.44 | ≤-21.20 | 52.76 | ≤74 | PASS |
| | | | | Peak | 2389.570 | -35.63 | ≤-21.20 | 59.57 | ≤74 | PASS |
| | | | | Peak | 2390.000 | -39.03 | ≤-21.20 | 56.17 | ≤74 | PASS |
| | | High | 2452 | AV | 2483.500 | -46.12 | ≤-41.20 | 49.08 | ≤54 | PASS |
| | | | | AV | 2484.110 | -45.17 | ≤-41.20 | 50.03 | ≤54 | PASS |
| | | | | AV | 2500.000 | -48.71 | ≤-41.20 | 46.49 | ≤54 | PASS |
| | | | | Peak | 2483.500 | -35.54 | ≤-21.20 | 59.66 | ≤74 | PASS |
| | | | | Peak | 2483.670 | -32.58 | ≤-21.20 | 62.62 | ≤74 | PASS |
| | | | | Peak | 2500.000 | -42.29 | ≤-21.20 | 52.91 | ≤74 | PASS |

Note：

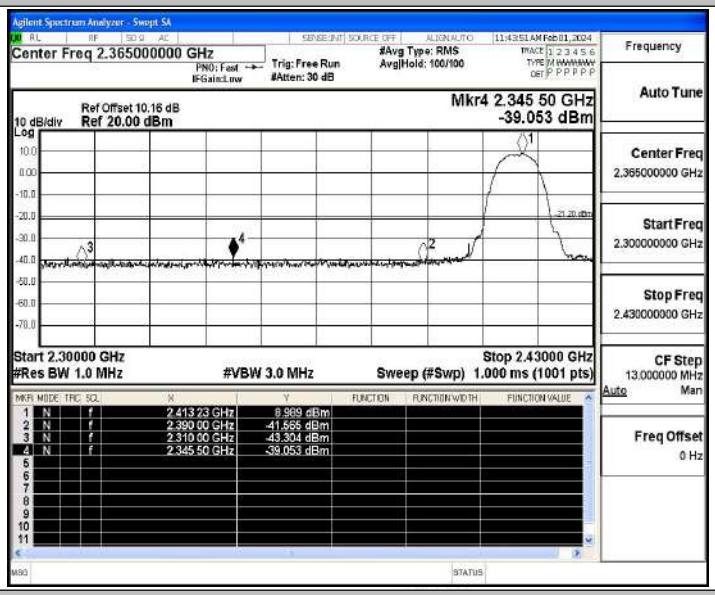
1. The Antenna Gain is compensated in the graph. The Correction Factor is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

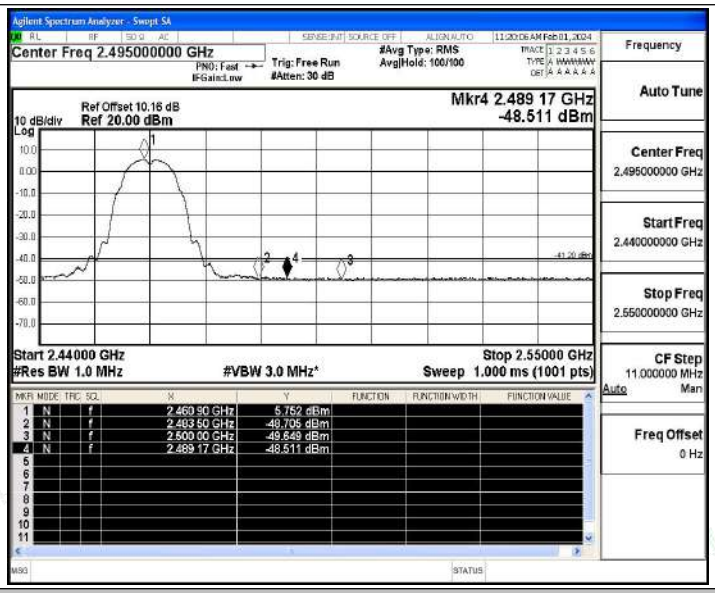
11B_Ant0_Low_2412_AV



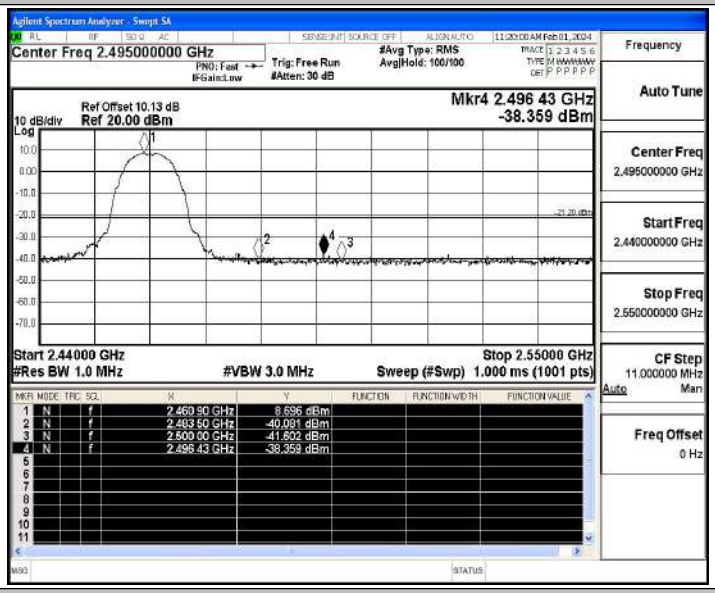

11B_Ant0_Low_2412_Peak



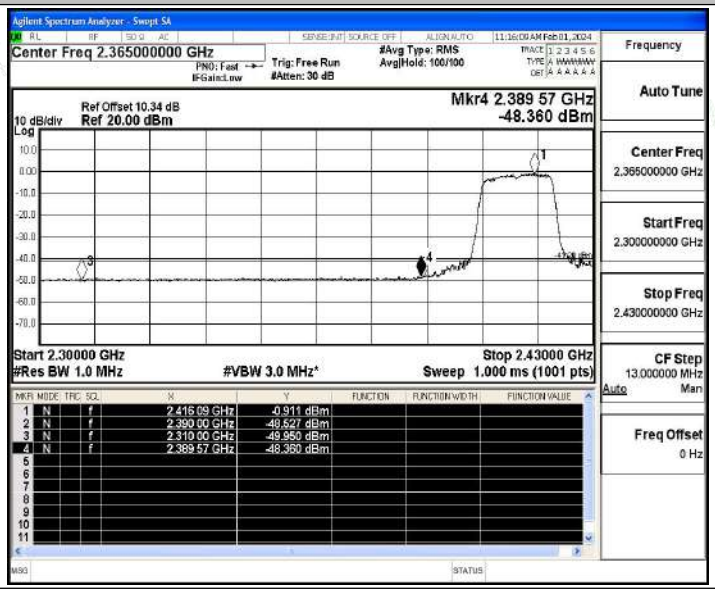

11B_Ant0_High_2462_AV



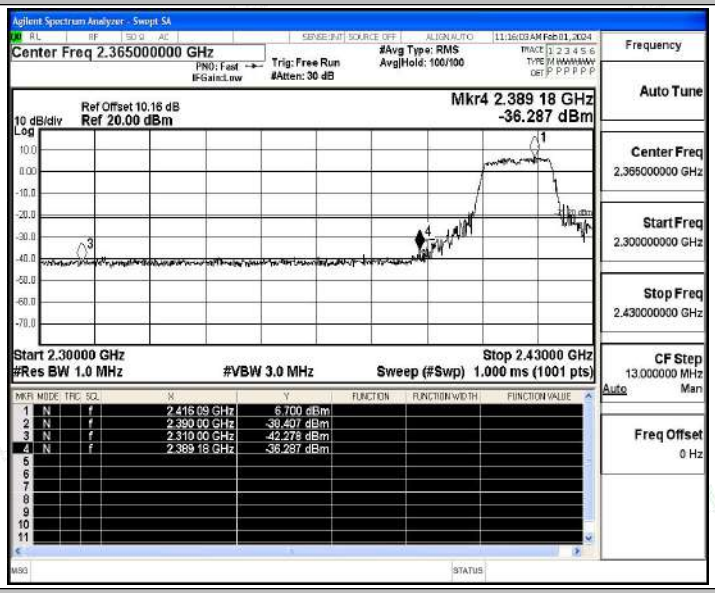

11B_Ant0_High_2462_Peak



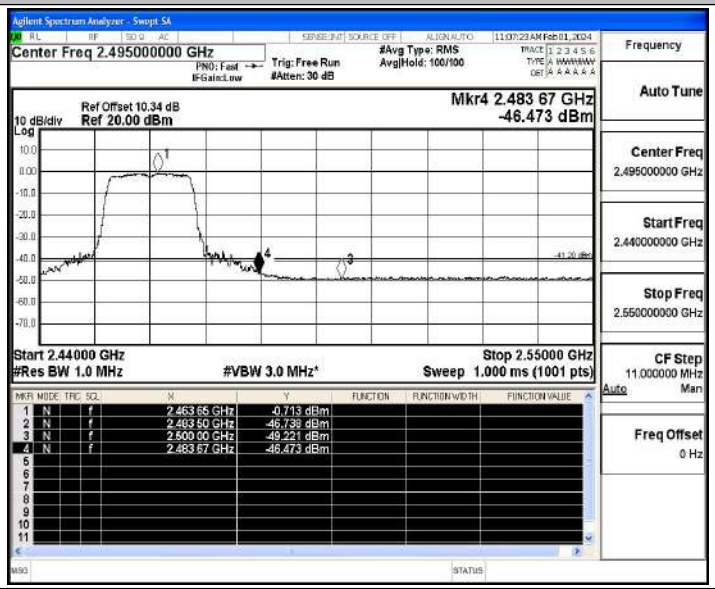

11G_Ant0_Low_2412_AV



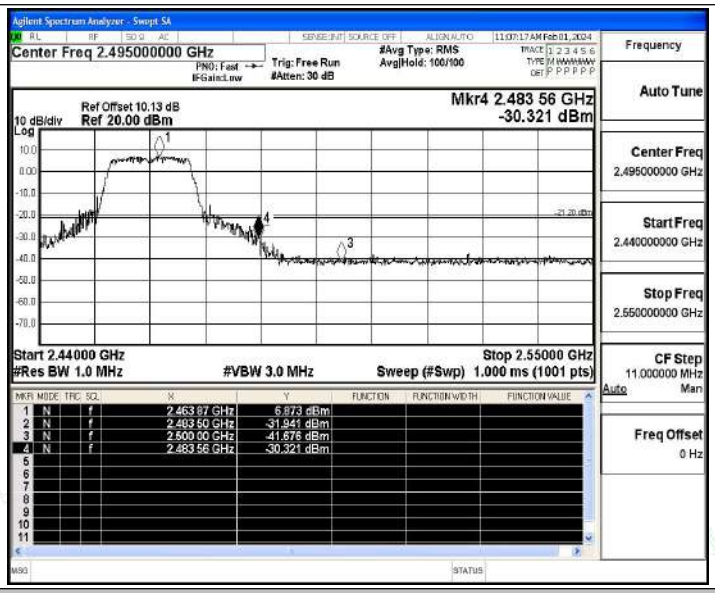
11G_Ant0_Low_2412_Peak



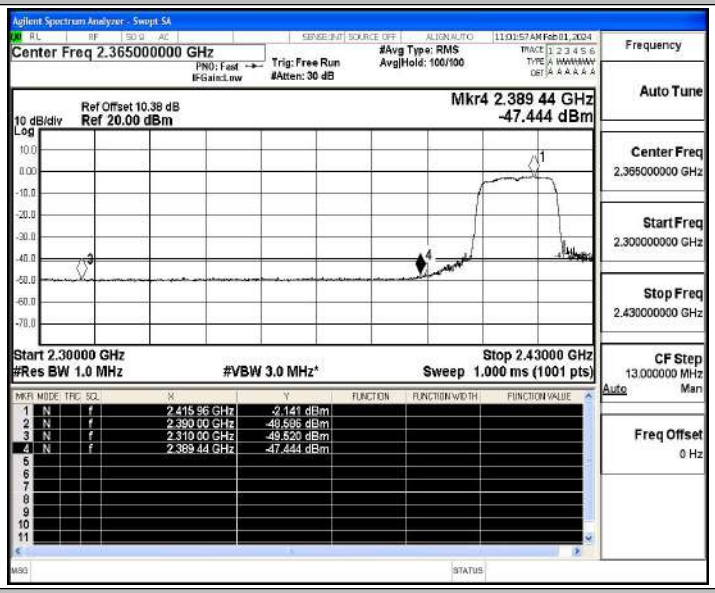

11G_Ant0_High_2462_AV



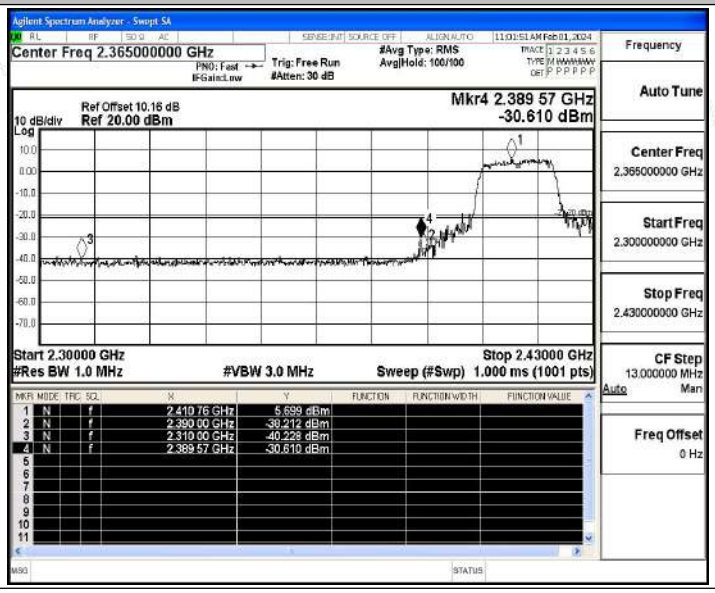

11G_Ant0_High_2462_Peak



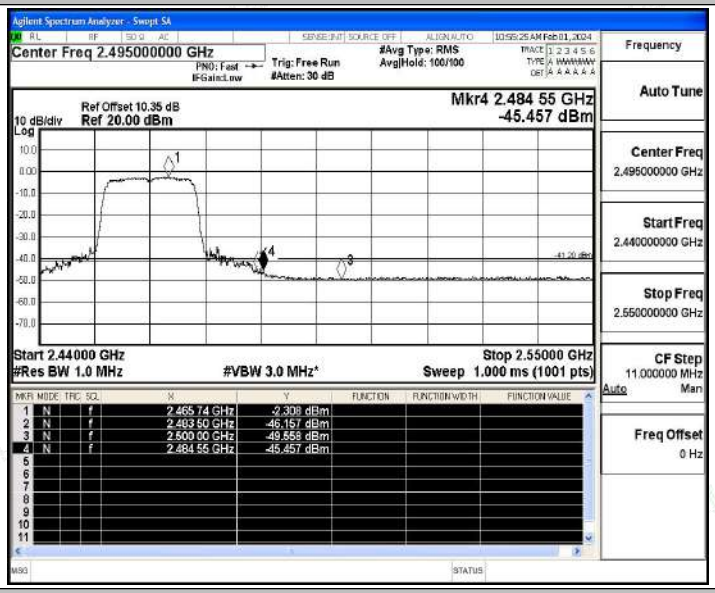

11N20SISO_Ant0_Low_2412_AV



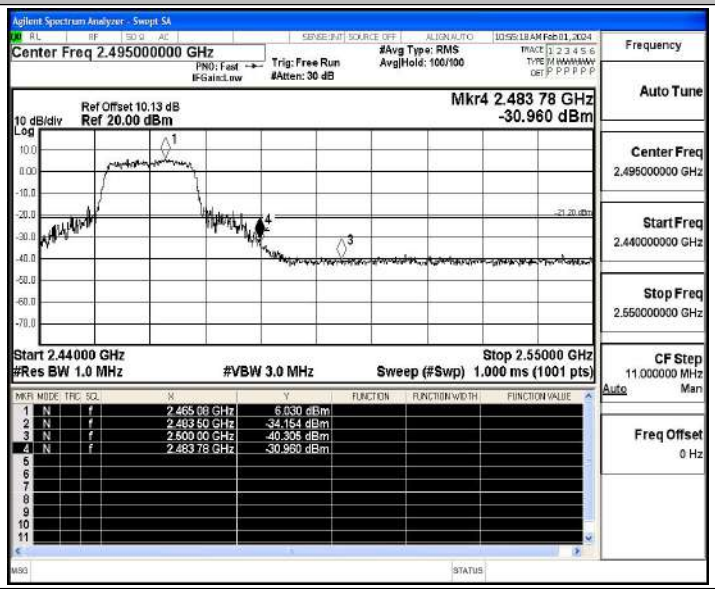

11N20SISO_Ant0_Low_2412_Peak



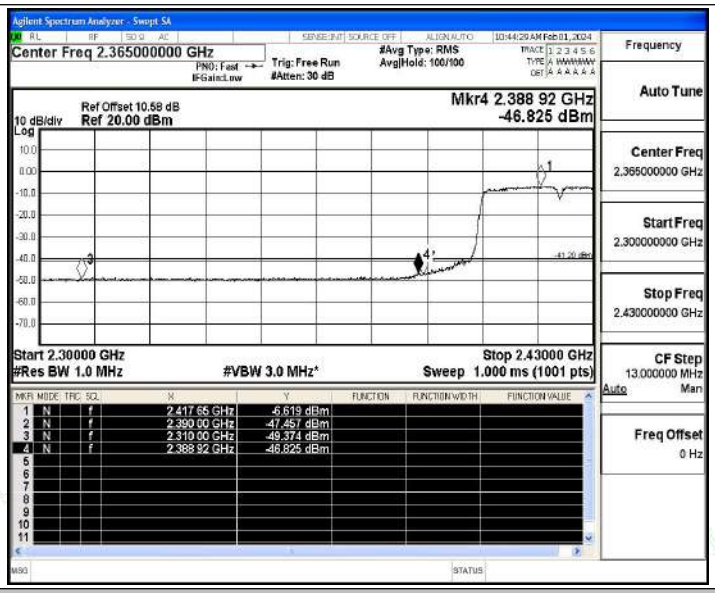
11N20SISO_Ant0_High_2462_AV




11N20SISO_Ant0_High_2462_Peak

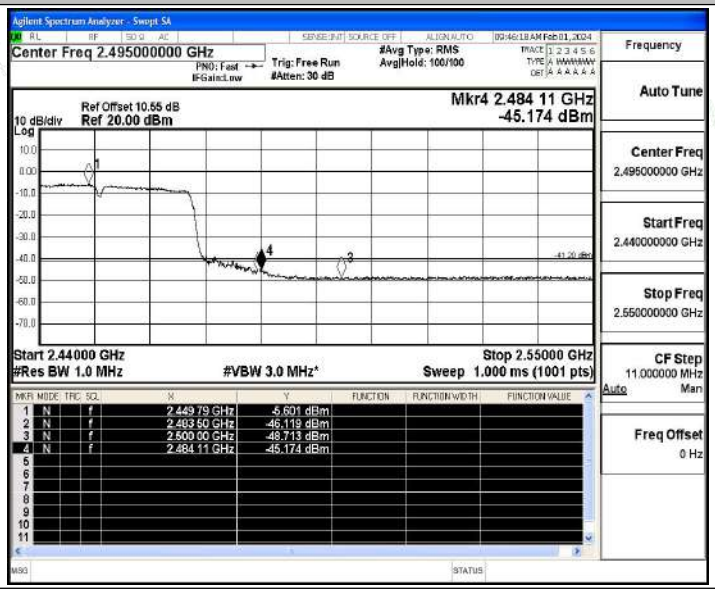



11N40SISO_Ant0_Low_2422_AV

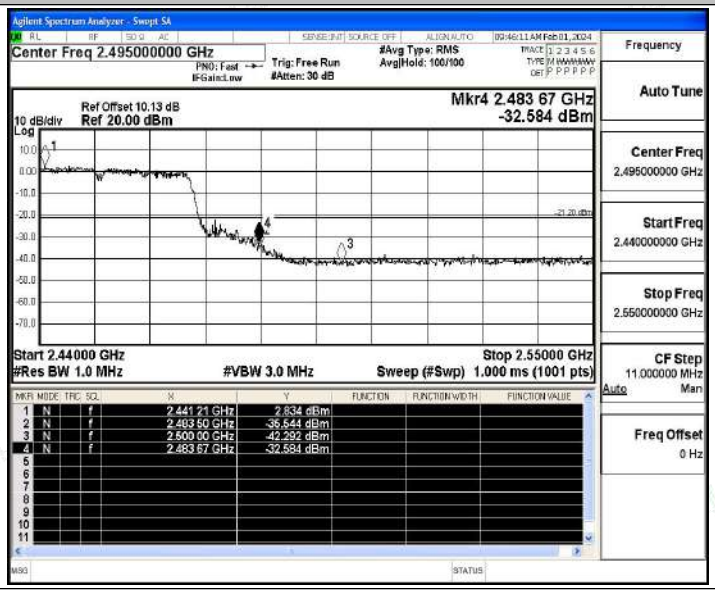



11N40SISO_Ant0_Low_2422_Peak

11N40SISO_Ant0_High_2452_AV



11N40SISO_Ant0_High_2452_Peak



## Test Result

| TestMode | Antenna | ChName | Freq(MHz) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| 11B | Ant1 | Low | 2412 | AV | 2310.000 | -50.29 | ≤-41.20 | 44.91 | ≤54 | PASS |
| | | | | AV | 2389.830 | -48.64 | ≤-41.20 | 46.56 | ≤54 | PASS |
| | | | | AV | 2390.000 | -49.05 | ≤-41.20 | 46.15 | ≤54 | PASS |
| | | | | Peak | 2310.000 | -41.02 | ≤-21.20 | 54.18 | ≤74 | PASS |
| | | | | Peak | 2348.490 | -39.21 | ≤-21.20 | 55.99 | ≤74 | PASS |
| | | | | Peak | 2390.000 | -41.67 | ≤-21.20 | 53.53 | ≤74 | PASS |
| | | High | 2462 | AV | 2483.500 | -48.89 | ≤-41.20 | 46.31 | ≤54 | PASS |
| | | | | AV | 2484.440 | -48.25 | ≤-41.20 | 46.95 | ≤54 | PASS |
| | | | | AV | 2500.000 | -49.63 | ≤-41.20 | 45.57 | ≤54 | PASS |
| | | | | Peak | 2483.500 | -41.53 | ≤-21.20 | 53.67 | ≤74 | PASS |
| | | | | Peak | 2485.210 | -38.76 | ≤-21.20 | 56.44 | ≤74 | PASS |
| | | | | Peak | 2500.000 | -42.58 | ≤-21.20 | 52.62 | ≤74 | PASS |
| 11G | Ant1 | Low | 2412 | AV | 2310.000 | -50.06 | ≤-41.20 | 45.14 | ≤54 | PASS |
| | | | | AV | 2389.960 | -48.13 | ≤-41.20 | 47.07 | ≤54 | PASS |
| | | | | AV | 2390.000 | -48.13 | ≤-41.20 | 47.07 | ≤54 | PASS |
| | | | | Peak | 2310.000 | -42.41 | ≤-21.20 | 52.79 | ≤74 | PASS |
| | | | | Peak | 2389.440 | -36.43 | ≤-21.20 | 58.77 | ≤74 | PASS |
| | | | | Peak | 2390.000 | -36.72 | ≤-21.20 | 58.48 | ≤74 | PASS |
| | | High | 2462 | AV | 2483.500 | -46.48 | ≤-41.20 | 48.72 | ≤54 | PASS |
| | | | | AV | 2484.220 | -44.95 | ≤-41.20 | 50.25 | ≤54 | PASS |
| | | | | AV | 2500.000 | -49.43 | ≤-41.20 | 45.77 | ≤54 | PASS |
| | | | | Peak | 2483.500 | -31.85 | ≤-21.20 | 63.35 | ≤74 | PASS |
| | | | | Peak | 2484.440 | -28.7 | ≤-21.20 | 66.50 | ≤74 | PASS |
| | | | | Peak | 2500.000 | -41.06 | ≤-21.20 | 54.14 | ≤74 | PASS |
| 11N20SISO | Ant1 | Low | 2412 | AV | 2310.000 | -49.43 | ≤-41.20 | 45.77 | ≤54 | PASS |
| | | | | AV | 2388.790 | -48.04 | ≤-41.20 | 47.16 | ≤54 | PASS |
| | | | | AV | 2390.000 | -49.05 | ≤-41.20 | 46.15 | ≤54 | PASS |
| | | | | Peak | 2310.000 | -41.77 | ≤-21.20 | 53.43 | ≤74 | PASS |
| | | | | Peak | 2389.830 | -33.46 | ≤-21.20 | 61.74 | ≤74 | PASS |
| | | | | Peak | 2390.000 | -38.81 | ≤-21.20 | 56.39 | ≤74 | PASS |
| | | High | 2462 | AV | 2483.500 | -44.42 | ≤-41.20 | 50.78 | ≤54 | PASS |
| | | | | AV | 2483.560 | -44.69 | ≤-41.20 | 50.51 | ≤54 | PASS |
| | | | | AV | 2500.000 | -49.52 | ≤-41.20 | 45.68 | ≤54 | PASS |
| | | | | Peak | 2483.500 | -34.18 | ≤-21.20 | 61.02 | ≤74 | PASS |
| | | | | Peak | 2483.670 | -28.79 | ≤-21.20 | 66.41 | ≤74 | PASS |
| | | | | Peak | 2500.000 | -40.21 | ≤-21.20 | 54.99 | ≤74 | PASS |
| 11N40SISO | Ant1 | Low | 2422 | AV | 2310.000 | -49.75 | ≤-41.20 | 45.45 | ≤54 | PASS |
| | | | | AV | 2389.700 | -46.07 | ≤-41.20 | 49.13 | ≤54 | PASS |
| | | | | AV | 2390.000 | -47.82 | ≤-41.20 | 47.38 | ≤54 | PASS |

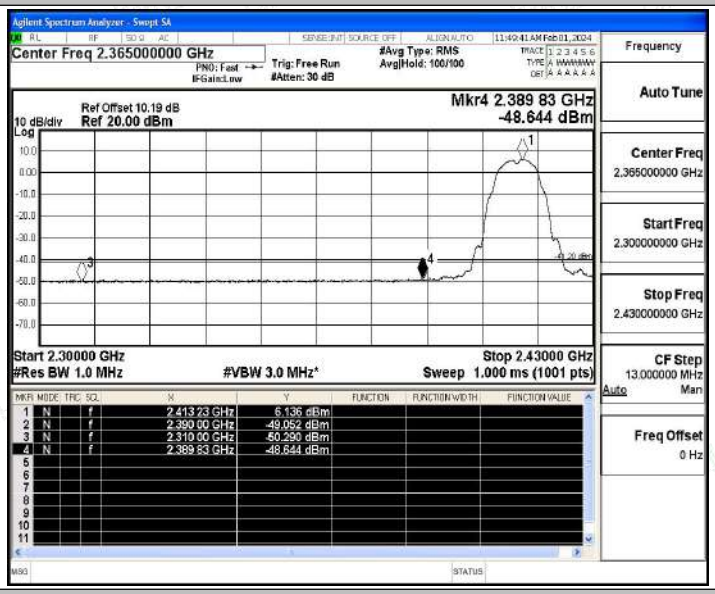
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Peak | 2310.000 | -42.51 | ≤-21.20 | 52.69 | ≤74 | PASS |
| | | | | Peak | 2389.440 | -35.46 | ≤-21.20 | 59.74 | ≤74 | PASS |
| | | | | Peak | 2390.000 | -37.64 | ≤-21.20 | 57.56 | ≤74 | PASS |
| | | High | 2452 | AV | 2483.500 | -45.02 | ≤-41.20 | 50.18 | ≤54 | PASS |
| | | | | AV | 2483.780 | -45.07 | ≤-41.20 | 50.13 | ≤54 | PASS |
| | | | | AV | 2500.000 | -48.96 | ≤-41.20 | 46.24 | ≤54 | PASS |
| | | | | Peak | 2483.500 | -33.24 | ≤-21.20 | 61.96 | ≤74 | PASS |
| | | | | Peak | 2483.780 | -31.56 | ≤-21.20 | 63.64 | ≤74 | PASS |
| | | | | Peak | 2500.000 | -41.77 | ≤-21.20 | 53.43 | ≤74 | PASS |

Note：

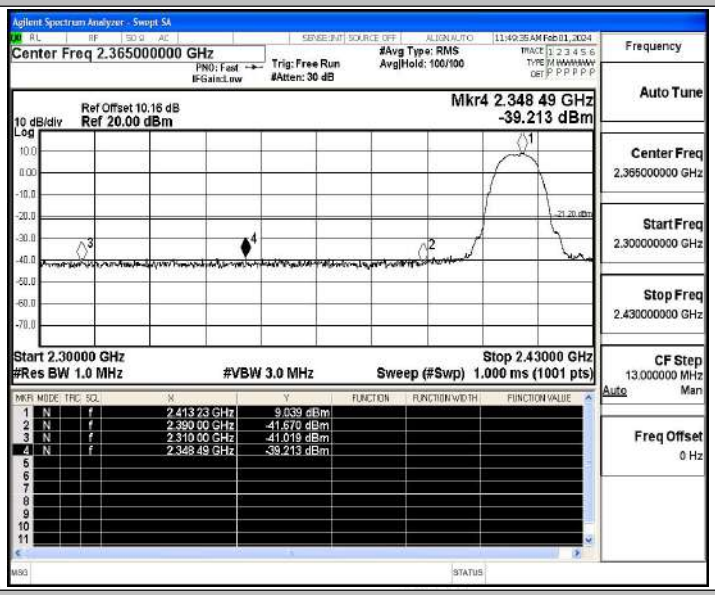
3. The Antenna Gain is compensated in the graph. The Correction Factor is compensated in the graph.
4. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

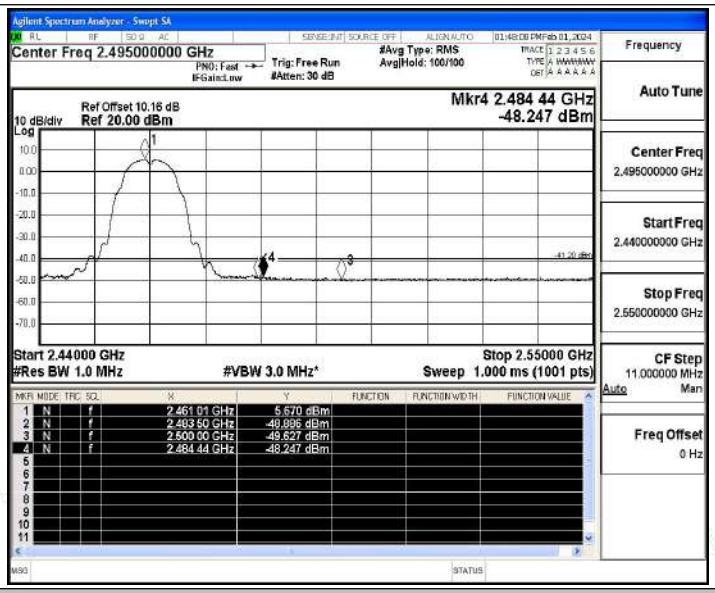
11B_Ant1_Low_2412_AV



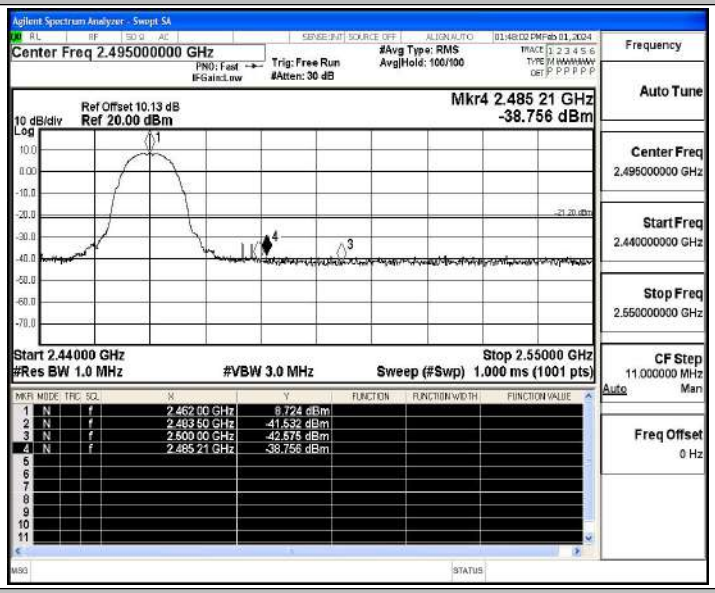

11B_Ant1_Low_2412_Peak



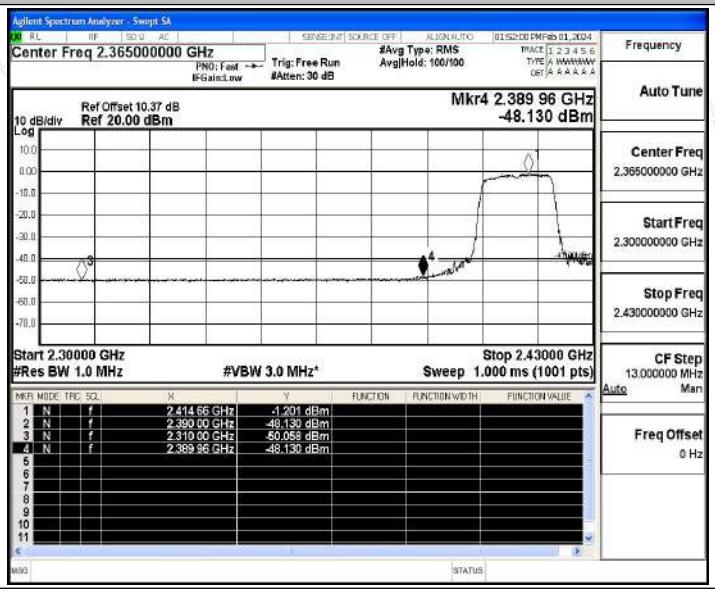

11B_Ant1_High_2462_AV



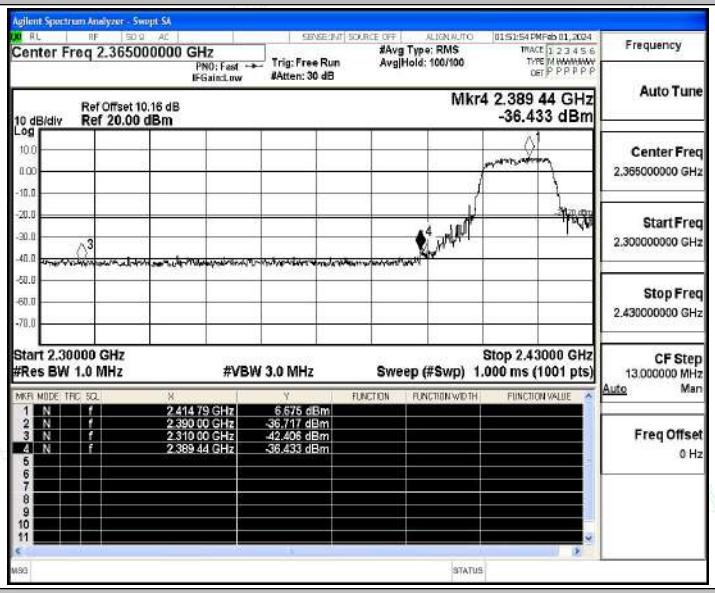

11B_Ant1_High_2462_Peak



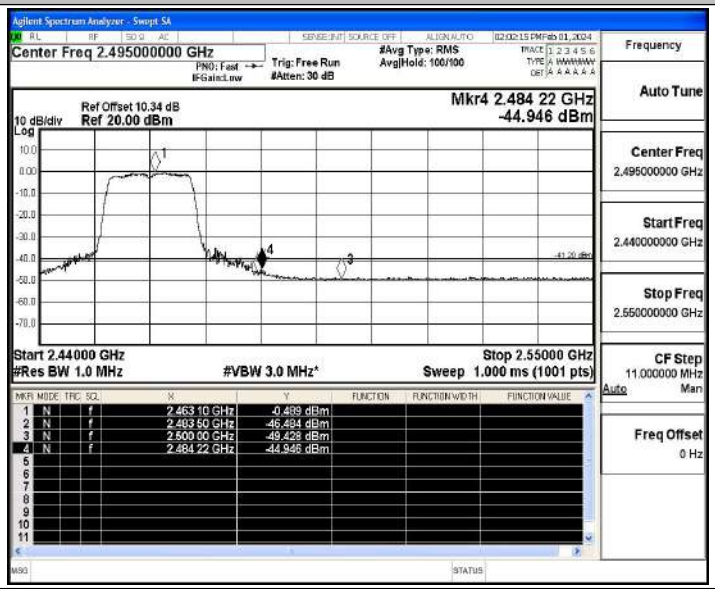

11G_Ant1_Low_2412_AV



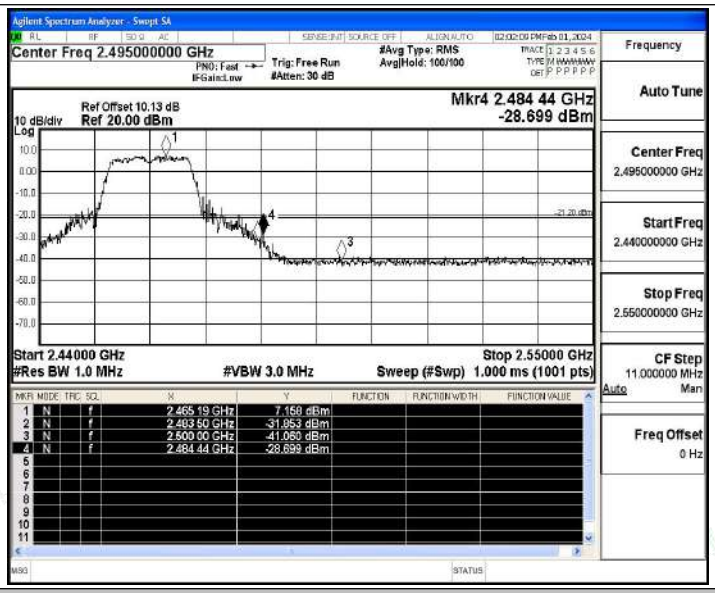
11G_Ant1_Low_2412_Peak



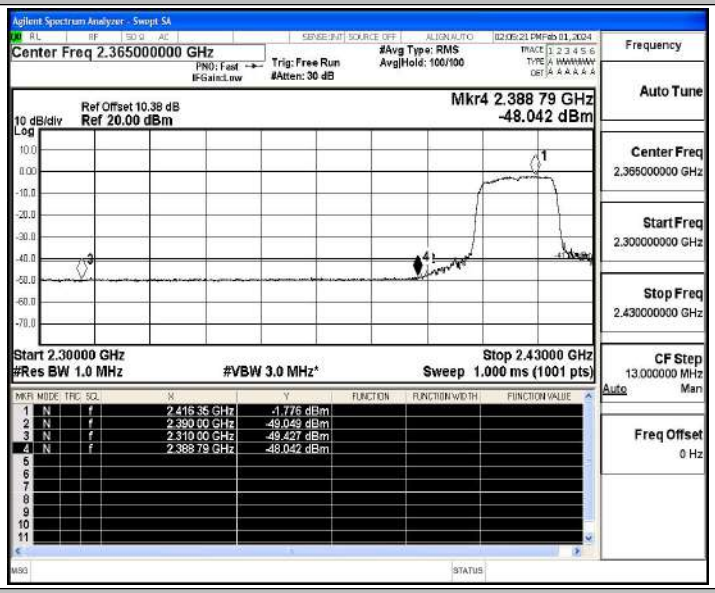

11G_Ant1_High_2462_AV



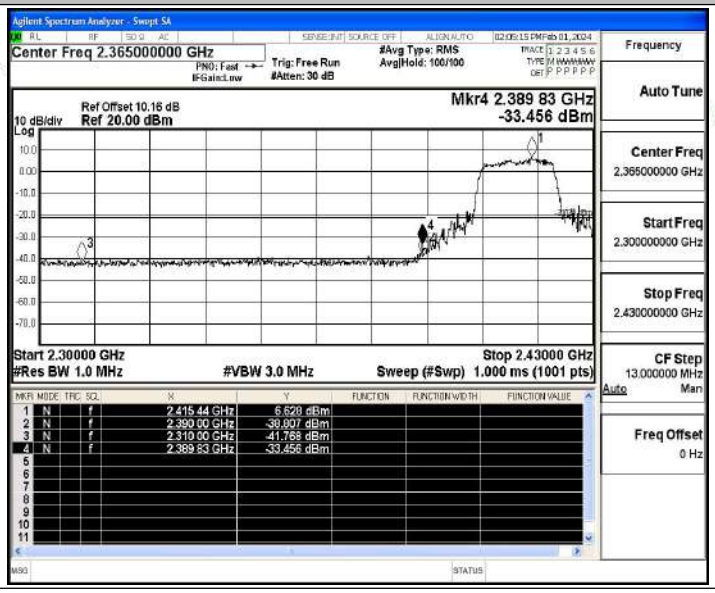

11G_Ant1_High_2462_Peak



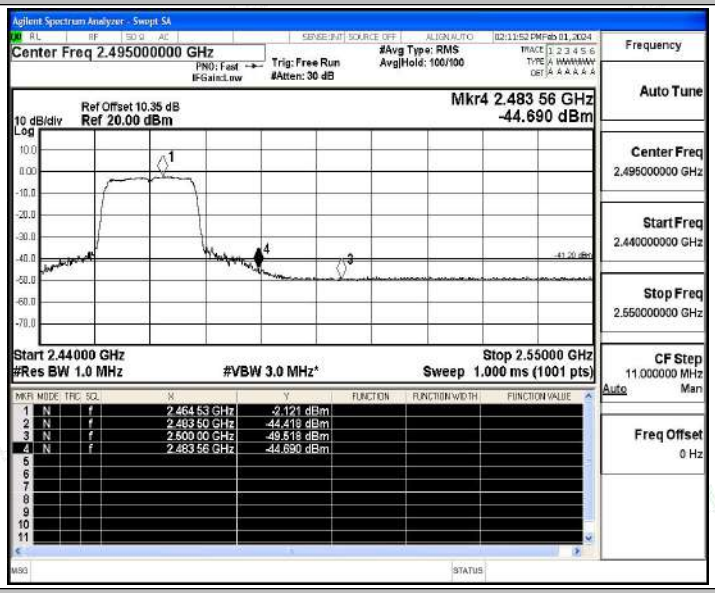

11N20SISO_Ant1_Low_2412_AV



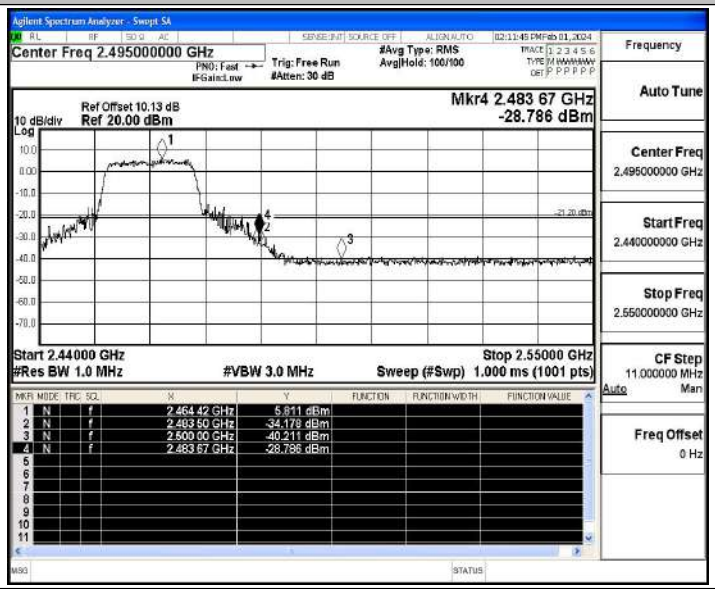

11N20SISO_Ant1_Low_2412_Peak



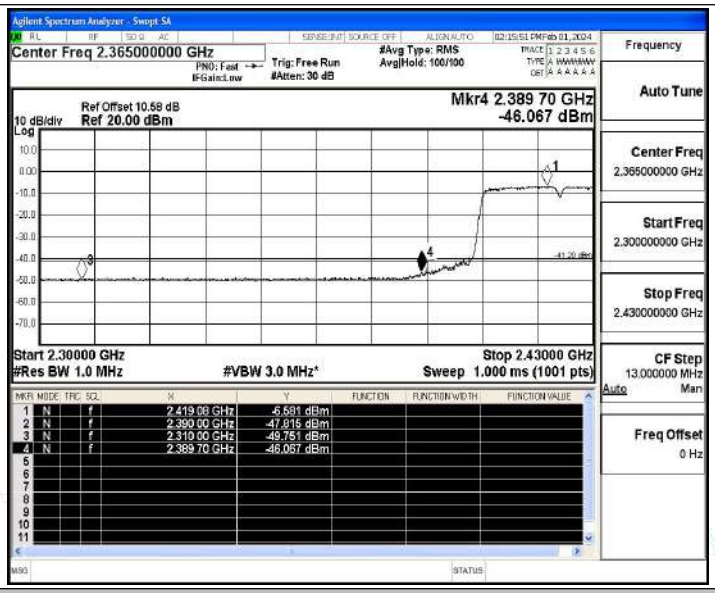
11N20SISO_Ant1_High_2462_AV



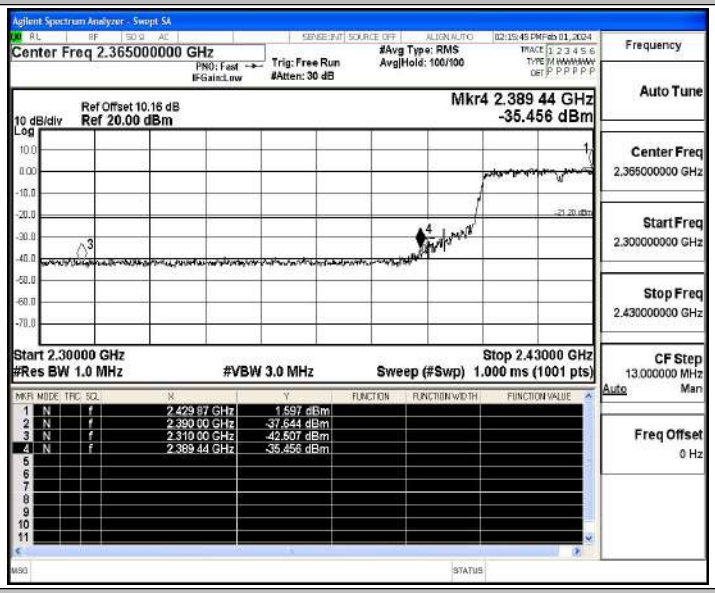

11N20SISO_Ant1_High_2462_Peak



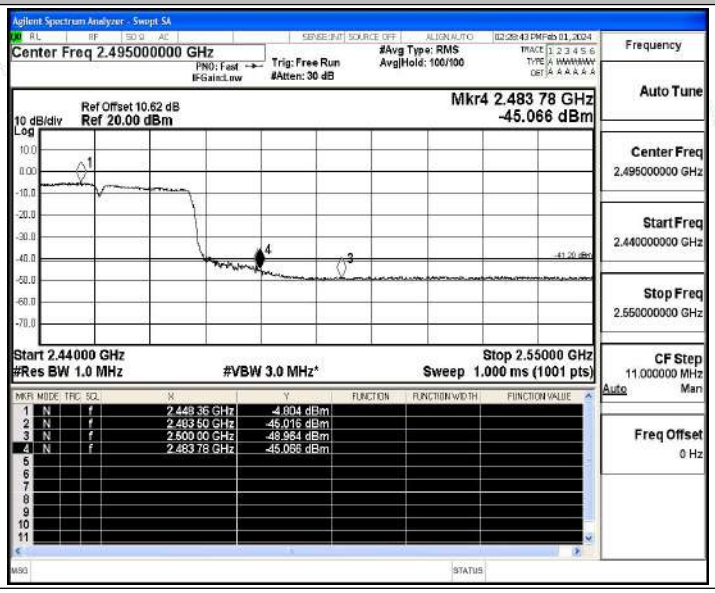

11N40SISO_Ant1_Low_2422_AV



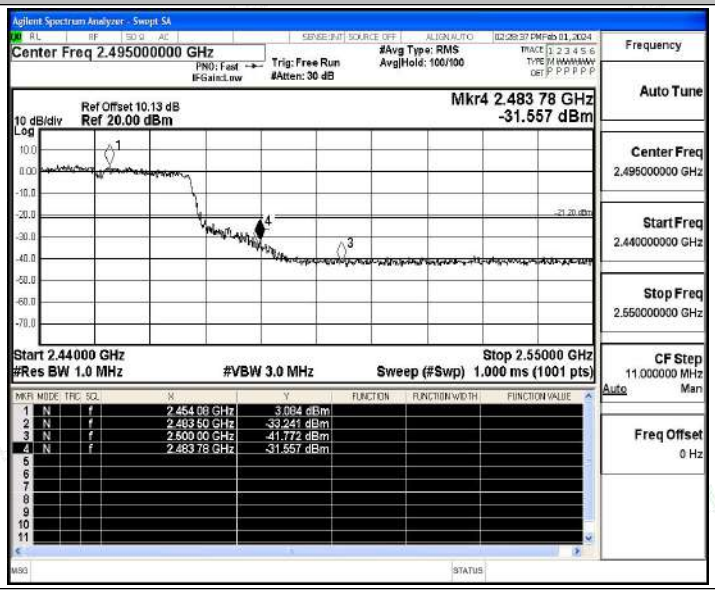

11N40SISO_Ant1_Low_2422_Peak




11N40SISO_Ant1_High_2452_AV



11N40SISO_Ant1_High_2452_Peak




MIMO

| TestMode | ChName | Freq(MHz) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| 11N20SISO | Low | 2412 | AV | 2310.000 | -46.46 | ≤-41.20 | 48.74 | ≤54 | PASS |
| | | | AV | 2388.790 | -44.72 | ≤-41.20 | 50.48 | ≤54 | PASS |
| | | | AV | 2390.000 | -45.80 | ≤-41.20 | 49.40 | ≤54 | PASS |
| | | | Peak | 2310.000 | -37.92 | ≤-21.20 | 57.28 | ≤74 | PASS |
| | | | Peak | 2389.830 | -28.79 | ≤-21.20 | 66.41 | ≤74 | PASS |
| | | | Peak | 2390.000 | -35.49 | ≤-21.20 | 59.71 | ≤74 | PASS |
| | High | 2462 | AV | 2483.500 | -42.19 | ≤-41.20 | 53.01 | ≤54 | PASS |
| | | | AV | 2483.560 | -42.05 | ≤-41.20 | 53.15 | ≤54 | PASS |
| | | | AV | 2500.000 | -46.53 | ≤-41.20 | 48.67 | ≤54 | PASS |
| | | | Peak | 2483.500 | -31.15 | ≤-21.20 | 64.05 | ≤74 | PASS |
| | | | Peak | 2483.670 | -26.73 | ≤-21.20 | 68.47 | ≤74 | PASS |
| | | | Peak | 2500.000 | -37.25 | ≤-21.20 | 57.95 | ≤74 | PASS |
| 11N40SISO | Low | 2422 | AV | 2310.000 | -46.55 | ≤-41.20 | 48.65 | ≤54 | PASS |
| | | | AV | 2389.700 | -43.42 | ≤-41.20 | 51.78 | ≤54 | PASS |
| | | | AV | 2390.000 | -44.63 | ≤-41.20 | 50.57 | ≤54 | PASS |
| | | | Peak | 2310.000 | -39.46 | ≤-21.20 | 55.74 | ≤74 | PASS |
| | | | Peak | 2389.440 | -32.53 | ≤-21.20 | 62.67 | ≤74 | PASS |
| | | | Peak | 2390.000 | -35.27 | ≤-21.20 | 59.93 | ≤74 | PASS |
| | High | 2452 | AV | 2483.500 | -42.52 | ≤-41.20 | 52.68 | ≤54 | PASS |
| | | | AV | 2483.780 | -42.11 | ≤-41.20 | 53.09 | ≤54 | PASS |
| | | | AV | 2500.000 | -45.82 | ≤-41.20 | 49.38 | ≤54 | PASS |
| | | | Peak | 2483.500 | -31.23 | ≤-21.20 | 63.97 | ≤74 | PASS |
| | | | Peak | 2483.780 | -29.03 | ≤-21.20 | 66.17 | ≤74 | PASS |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Peak | 2500.000 | -39.01 | ≤-21.20 | 56.19 | ≤74 | PASS |