

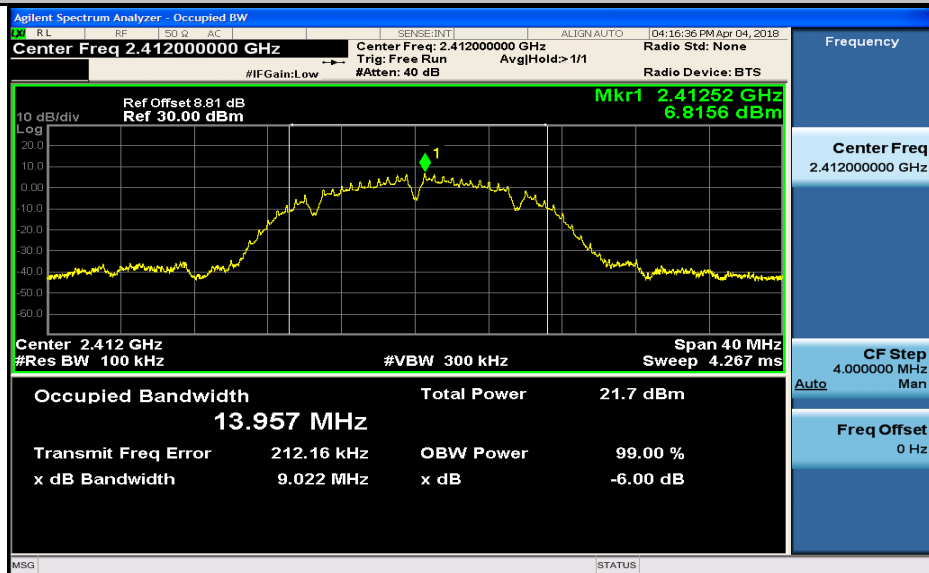


Appendix C for SHEM180300220404

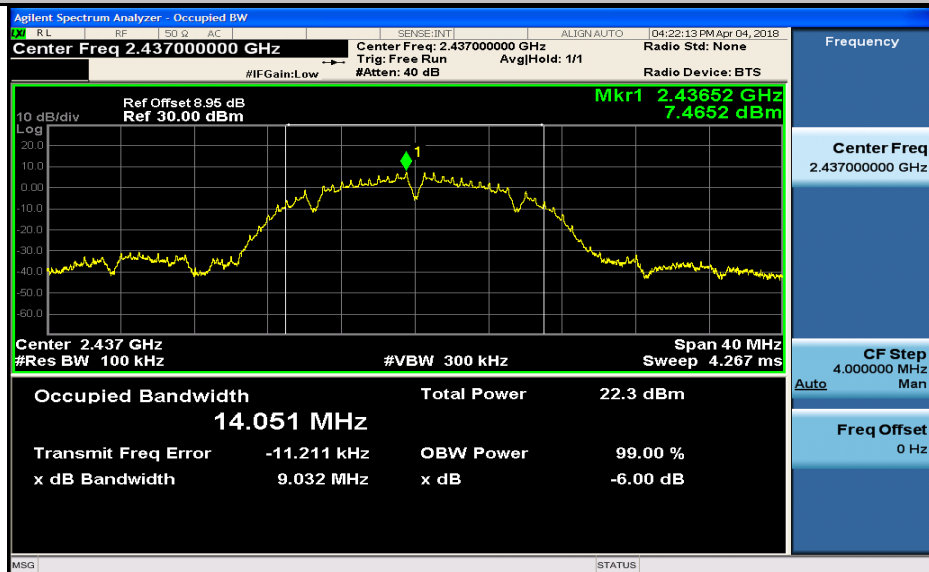
1.6dB Bandwidth

| Test Mode | Test Channel | Ant | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|-------|---------|
| 11B | 2412 | Ant1 | 9.02 | 0.5 | PASS |
| 11B | 2437 | Ant1 | 9.03 | 0.5 | PASS |
| 11B | 2462 | Ant1 | 8.58 | 0.5 | PASS |
| 11G | 2412 | Ant1 | 13.87 | 0.5 | PASS |
| 11G | 2437 | Ant1 | 15.45 | 0.5 | PASS |
| 11G | 2462 | Ant1 | 14.20 | 0.5 | PASS |
| 11N20SISO | 2412 | Ant1 | 15.37 | 0.5 | PASS |
| 11N20SISO | 2437 | Ant1 | 15.09 | 0.5 | PASS |
| 11N20SISO | 2462 | Ant1 | 13.81 | 0.5 | PASS |

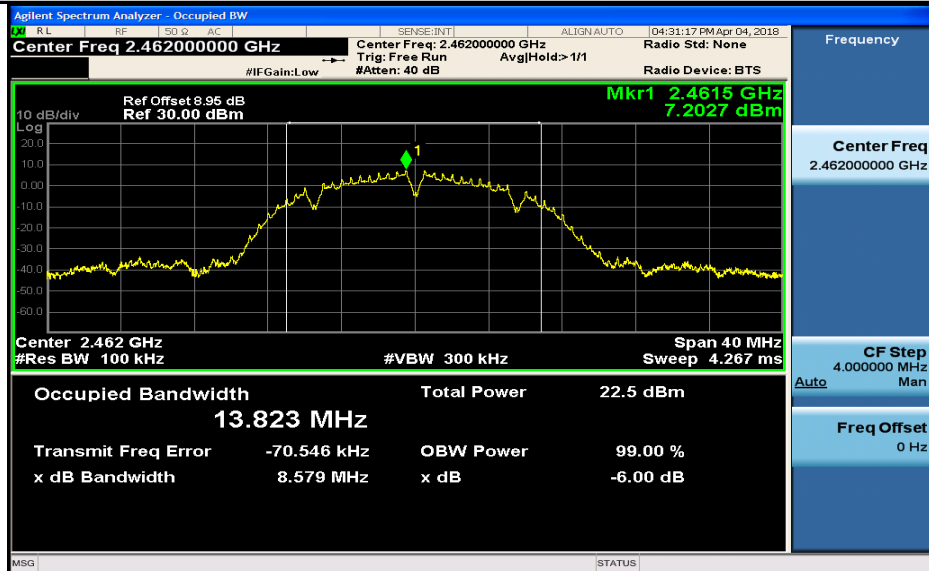
6dB Bandwidth_11B_2412_Ant1



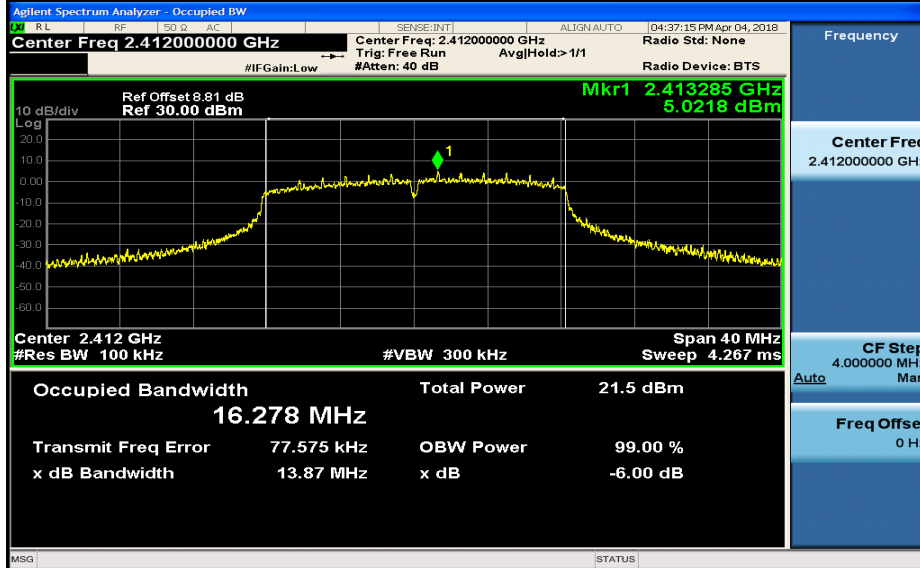
6dB Bandwidth_11B_2437_Ant1



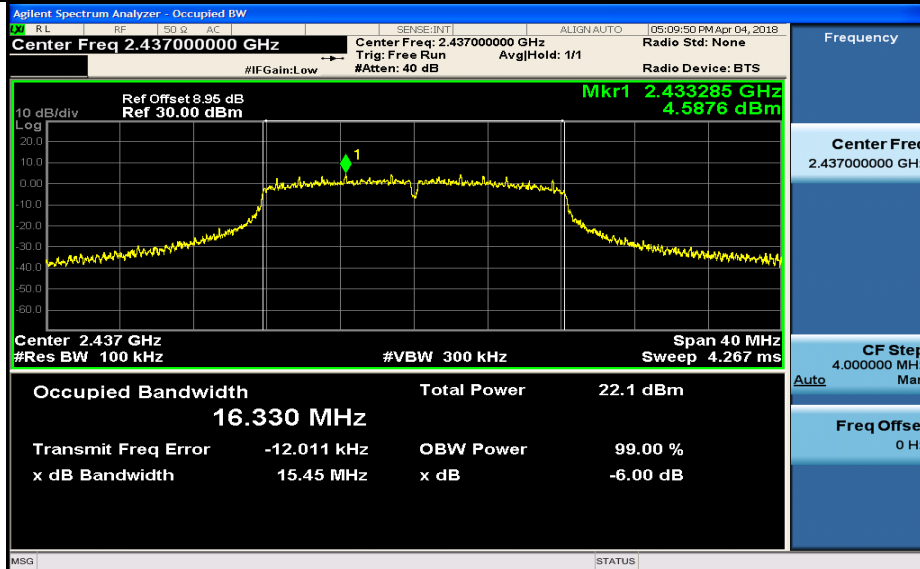
6dB Bandwidth_11B_2462_Ant1



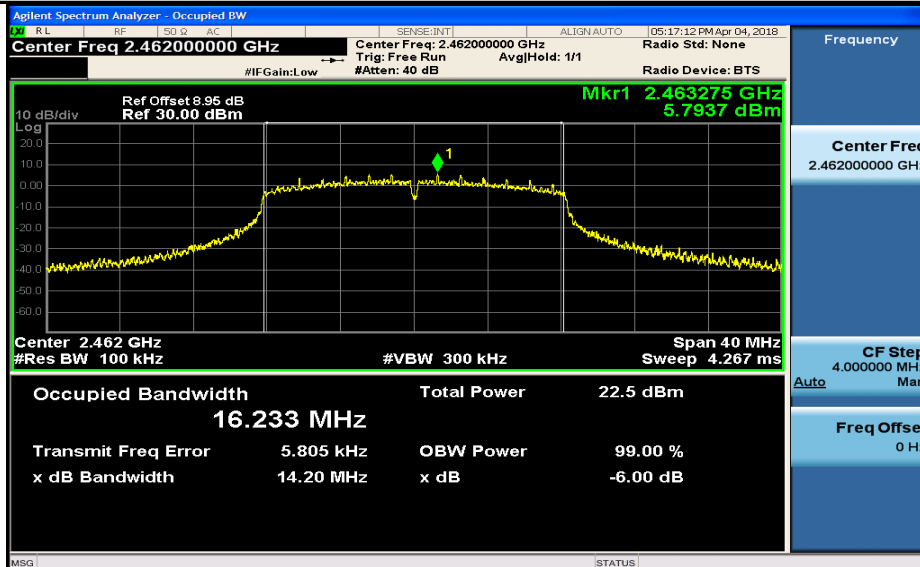
6dB Bandwidth_11G_2412_Ant1



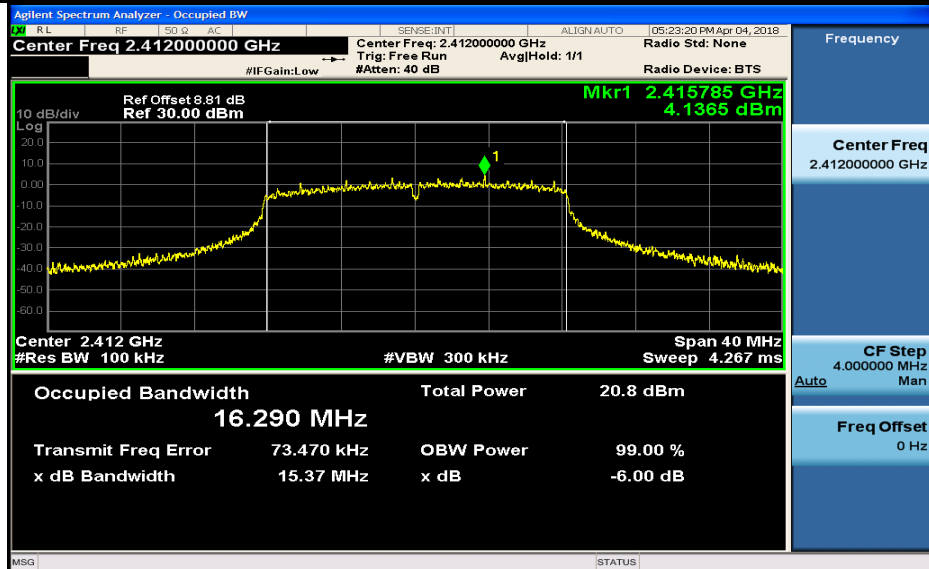
6dB Bandwidth_11G_2437_Ant1



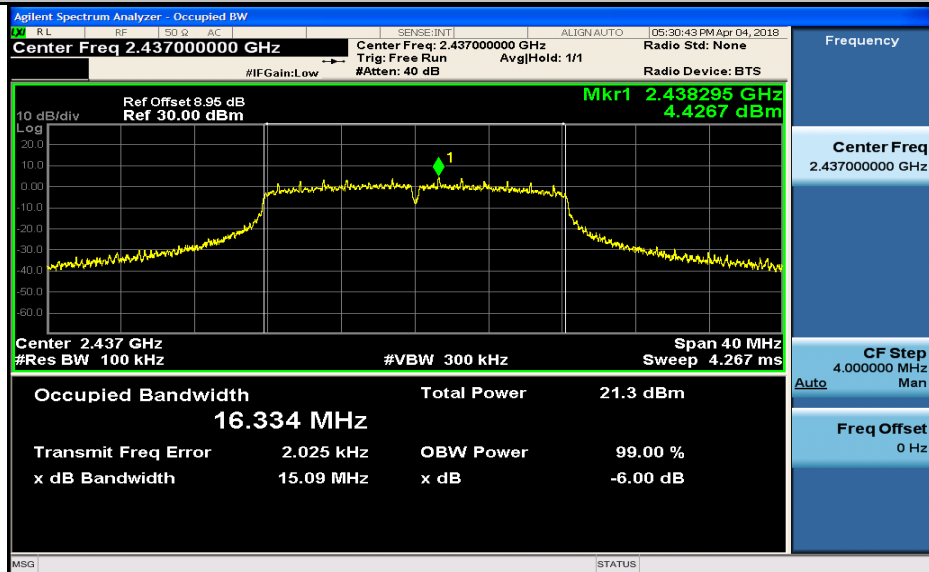
6dB Bandwidth_11G_2462_Ant1



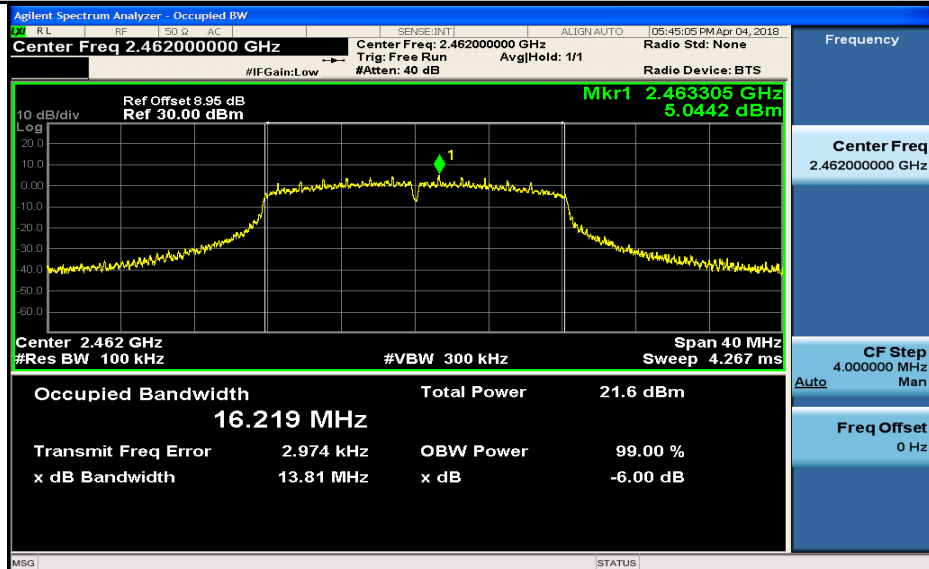
6dB Bandwidth_11N20SISO_2412_Ant1



6dB Bandwidth_11N20SISO_2437_Ant1



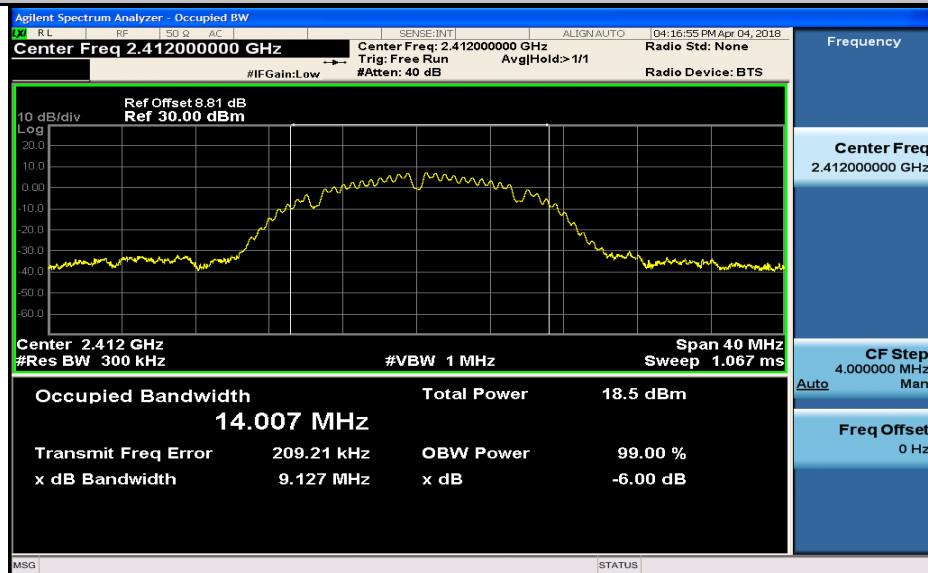
6dB Bandwidth_11N20SISO_2462_Ant1



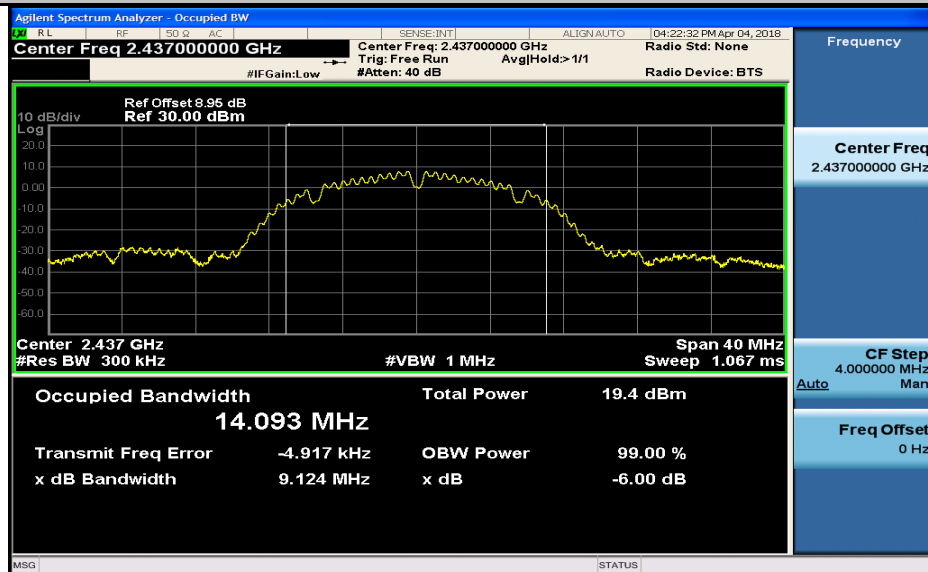
2.Occupied Bandwidth

| Test Mode | Test Channel | Ant | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|------|----------|------------|---------|
| 11B | 2412 | Ant1 | 14.01 | --- | PASS |
| 11B | 2437 | Ant1 | 14.09 | --- | PASS |
| 11B | 2462 | Ant1 | 13.88 | --- | PASS |
| 11G | 2412 | Ant1 | 16.49 | --- | PASS |
| 11G | 2437 | Ant1 | 16.57 | --- | PASS |
| 11G | 2462 | Ant1 | 16.35 | --- | PASS |
| 11N20SISO | 2412 | Ant1 | 16.48 | --- | PASS |
| 11N20SISO | 2437 | Ant1 | 16.56 | --- | PASS |
| 11N20SISO | 2462 | Ant1 | 16.33 | --- | PASS |

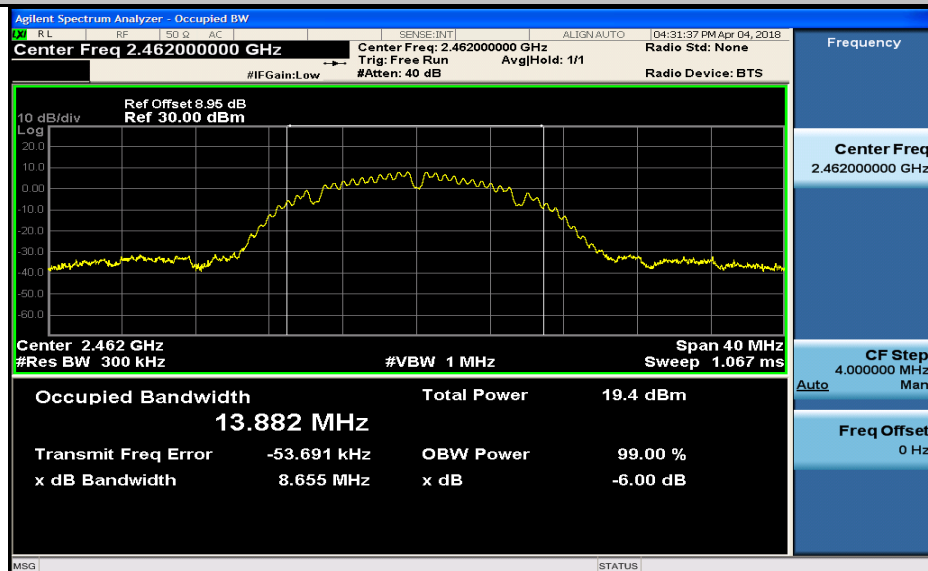
Occupied Bandwidth_11B_2412



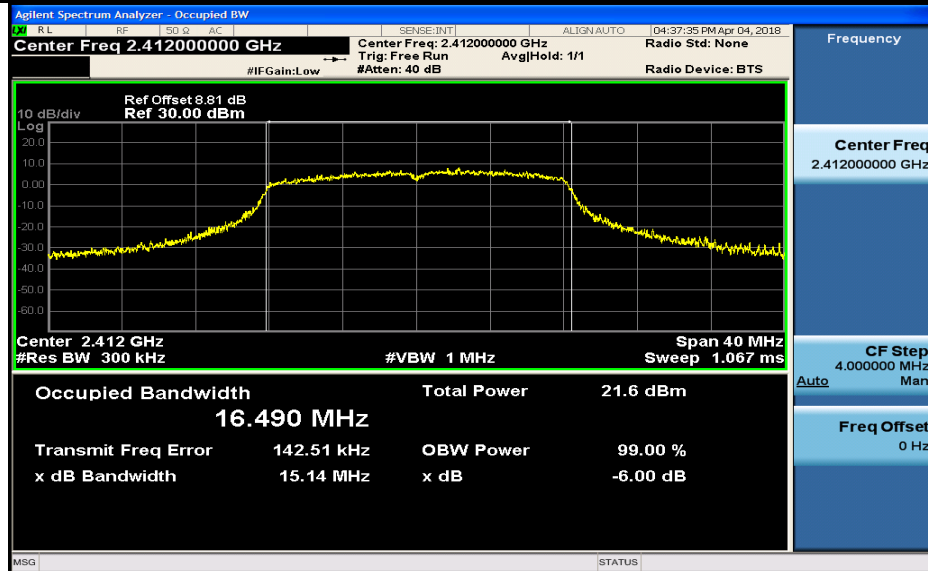
Occupied Bandwidth_11B_2437



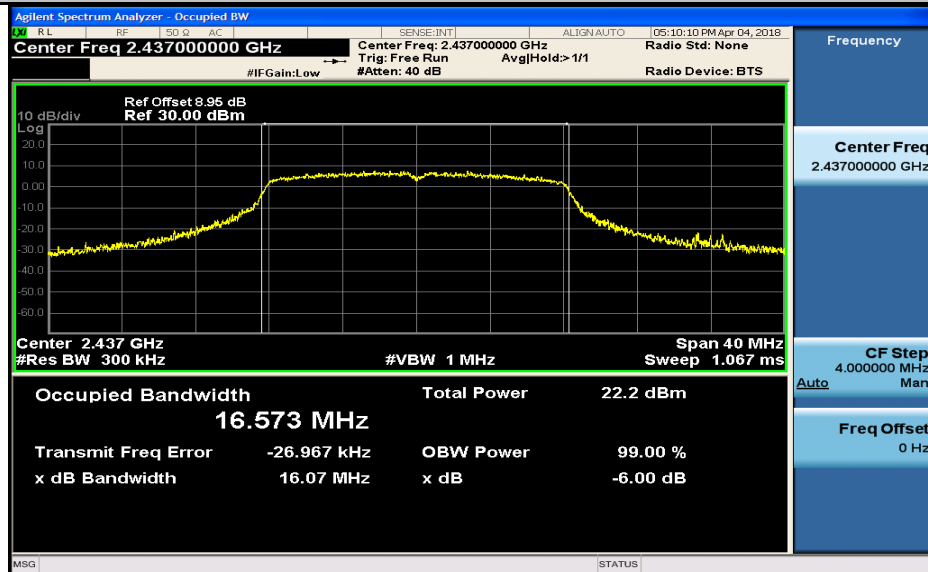
Occupied Bandwidth_11B_2462



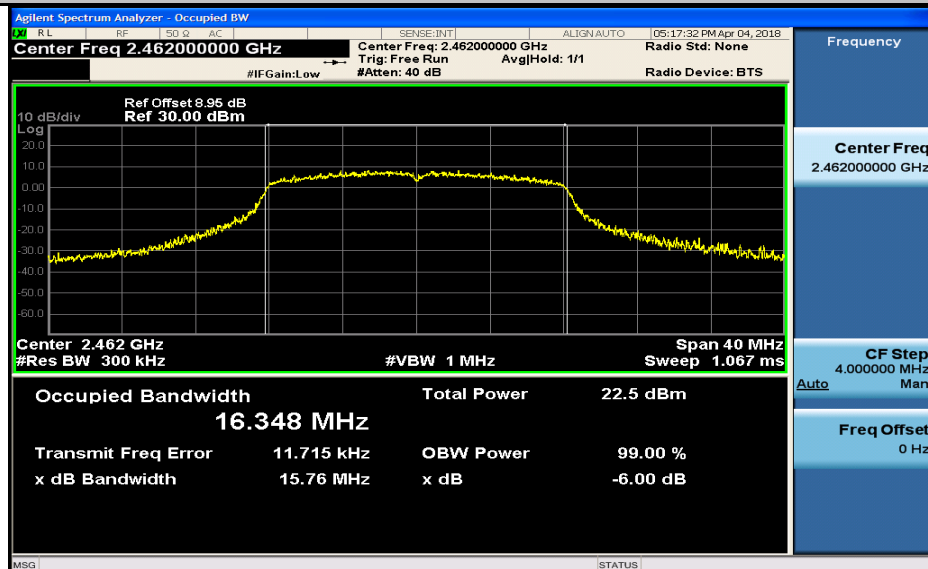
Occupied Bandwidth_11G_2412



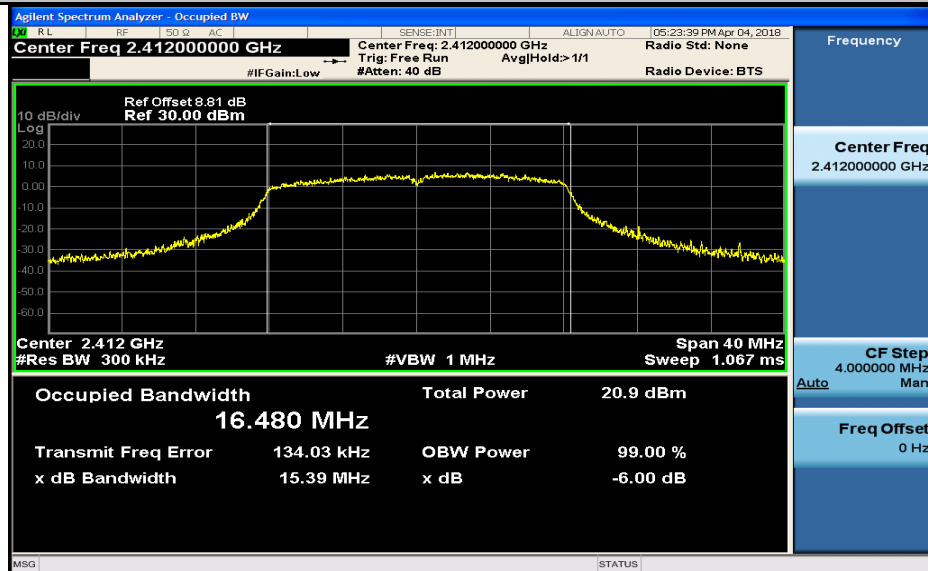
Occupied Bandwidth_11G_2437



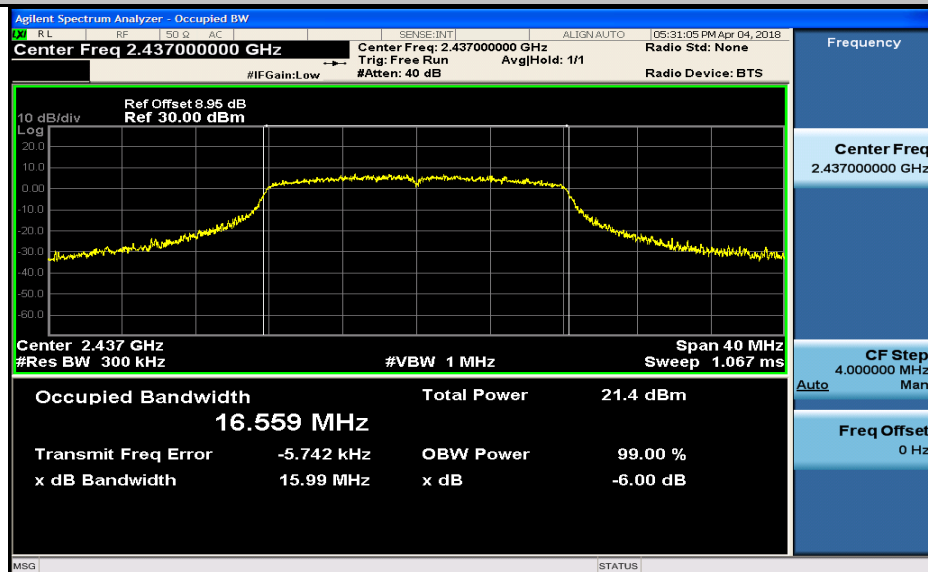
Occupied Bandwidth_11G_2462



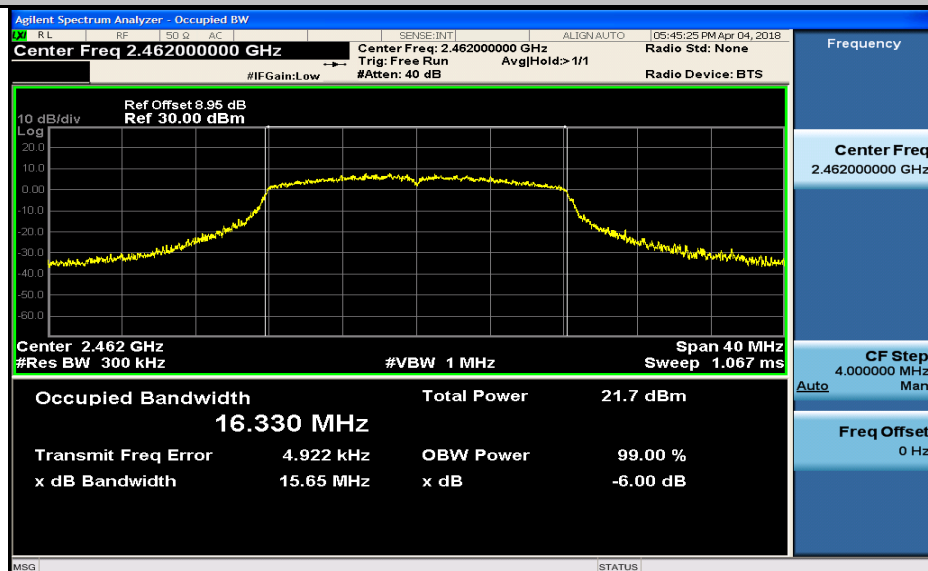
Occupied Bandwidth_11N20SISO_2412



Occupied Bandwidth_11N20SISO_2437



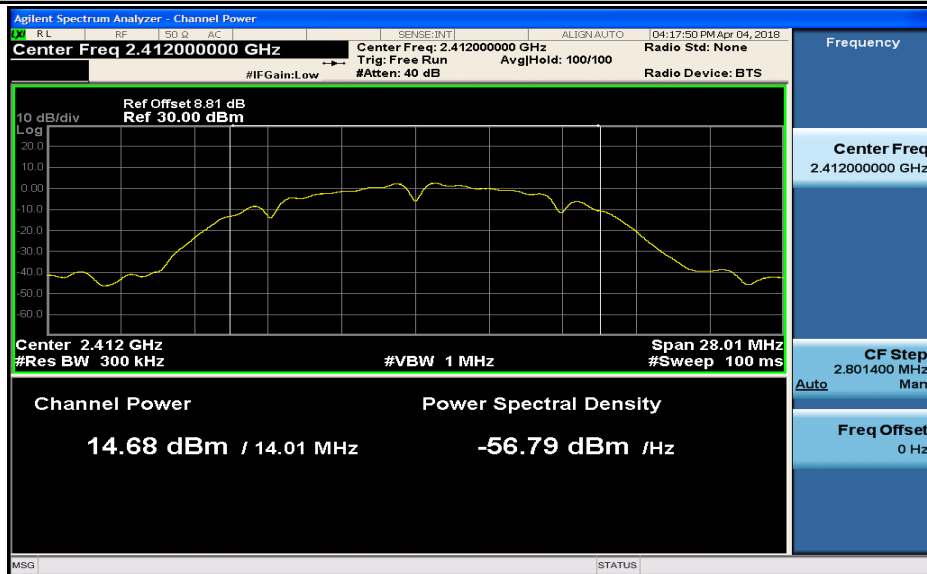
Occupied Bandwidth_11N20SISO_2462



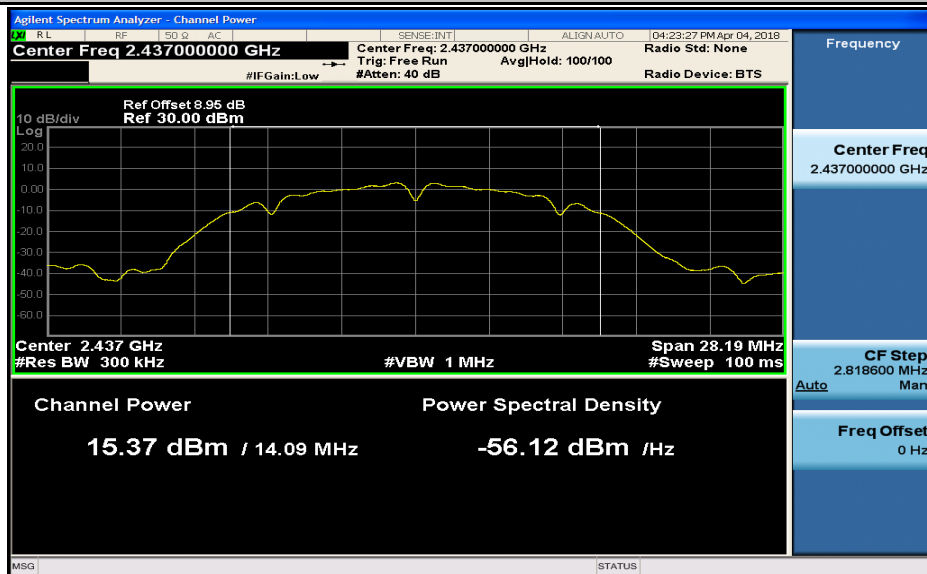
3.Maximum conducted (average) output power

| Test Mode | Test Channel | Ant | Level [dBm] | 10log(1/x) Factor[dB] | Power [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|-------------|-----------------------|-------------|-------------|---------|
| 11B | 2412 | Ant1 | 14.68 | 0.05 | 14.73 | 30 | PASS |
| 11B | 2437 | Ant1 | 15.37 | 0.05 | 15.42 | 30 | PASS |
| 11B | 2462 | Ant1 | 15.56 | 0.05 | 15.61 | 30 | PASS |
| 11G | 2412 | Ant1 | 14.85 | 0.31 | 15.17 | 30 | PASS |
| 11G | 2437 | Ant1 | 15.44 | 0.32 | 15.76 | 30 | PASS |
| 11G | 2462 | Ant1 | 15.71 | 0.31 | 16.02 | 30 | PASS |
| 11N20SISO | 2412 | Ant1 | 13.94 | 0.31 | 14.26 | 30 | PASS |
| 11N20SISO | 2437 | Ant1 | 14.61 | 0.31 | 14.93 | 30 | PASS |
| 11N20SISO | 2462 | Ant1 | 14.91 | 0.31 | 15.22 | 30 | PASS |

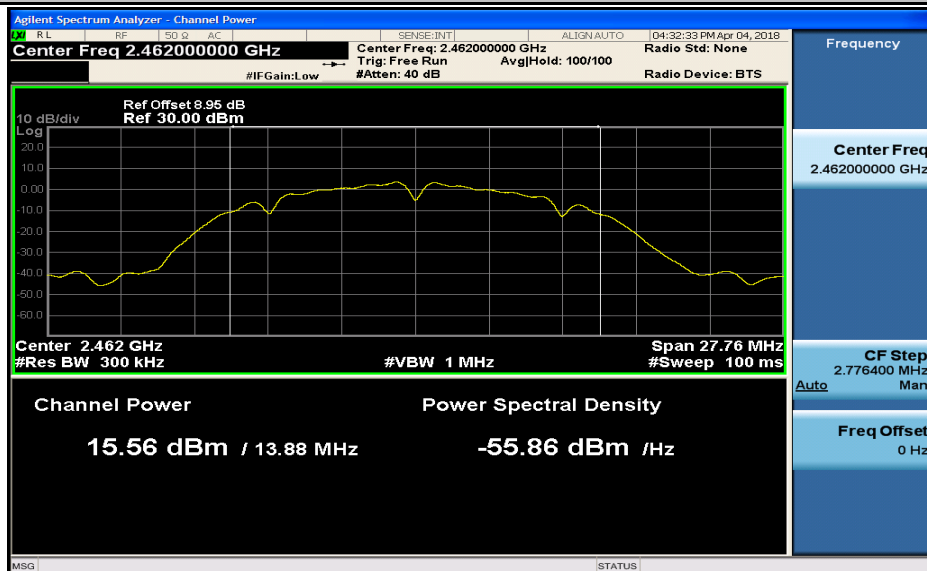
Maximum conducted (average) output power_11B_2412_Ant1



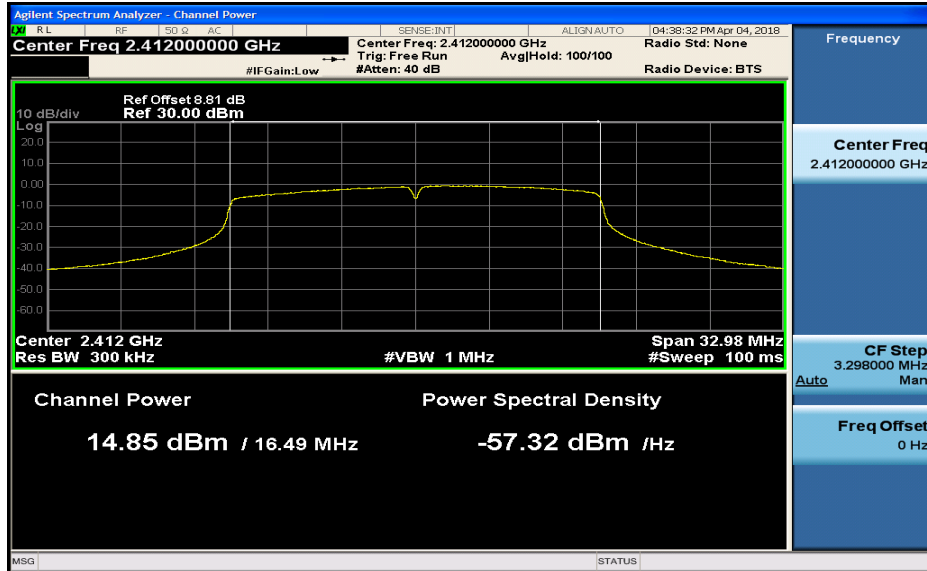
Maximum conducted (average) output power_11B_2437_Ant1



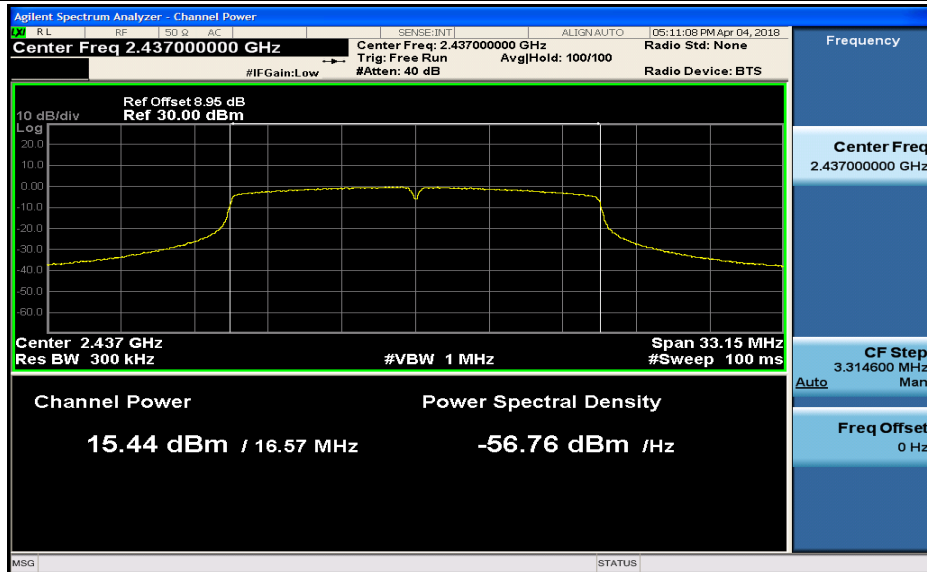
Maximum conducted (average) output power_11B_2462_Ant1



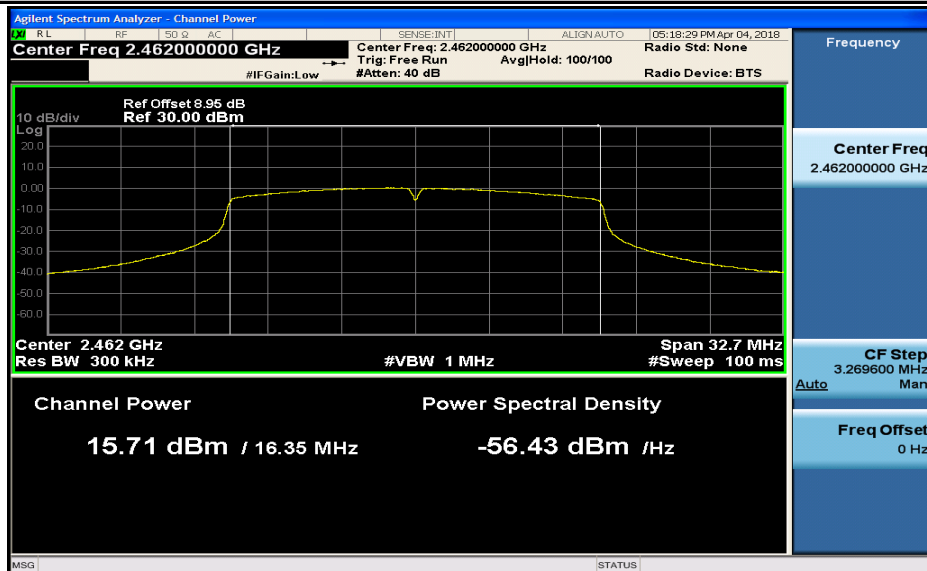
Maximum conducted (average) output power_11G_2412_Ant1



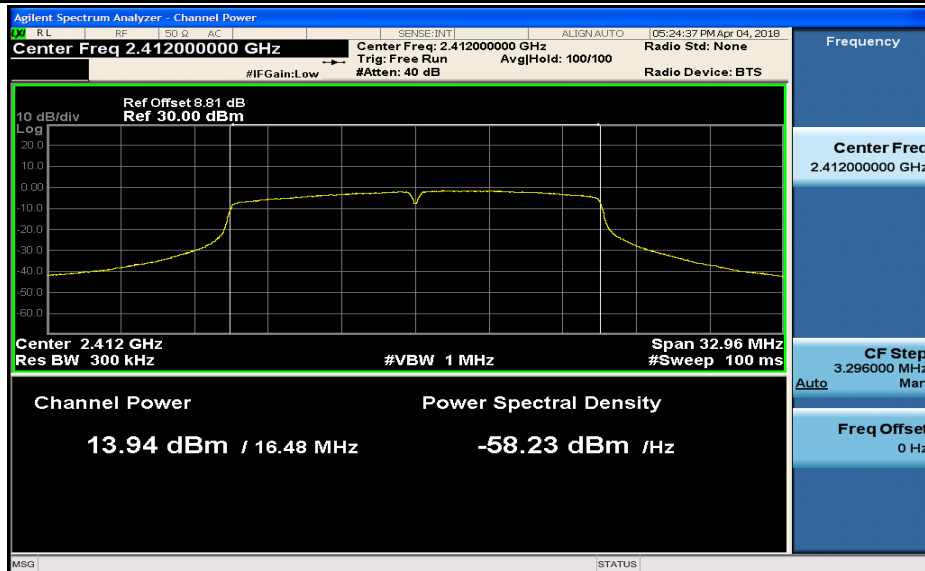
Maximum conducted (average) output power_11G_2437_Ant1



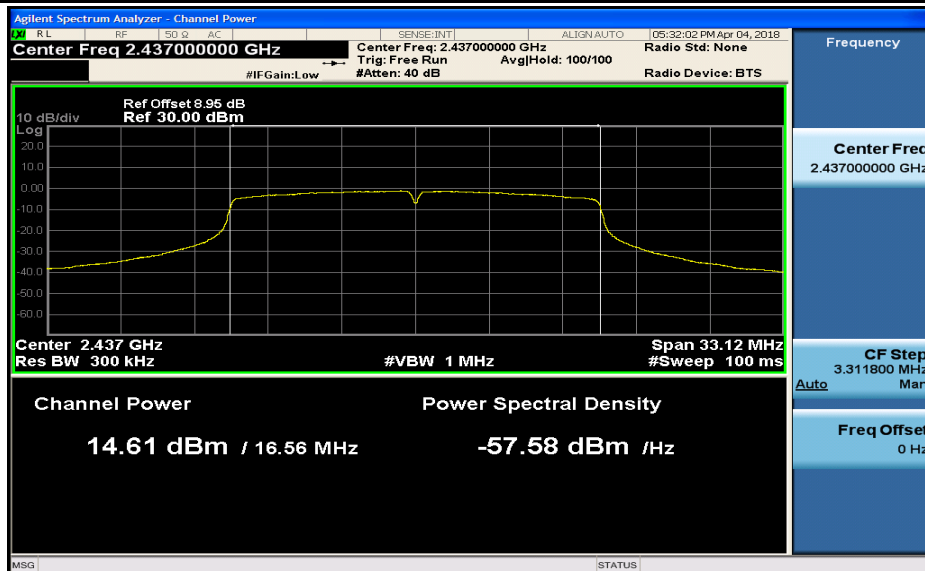
Maximum conducted (average) output power_11G_2462_Ant1



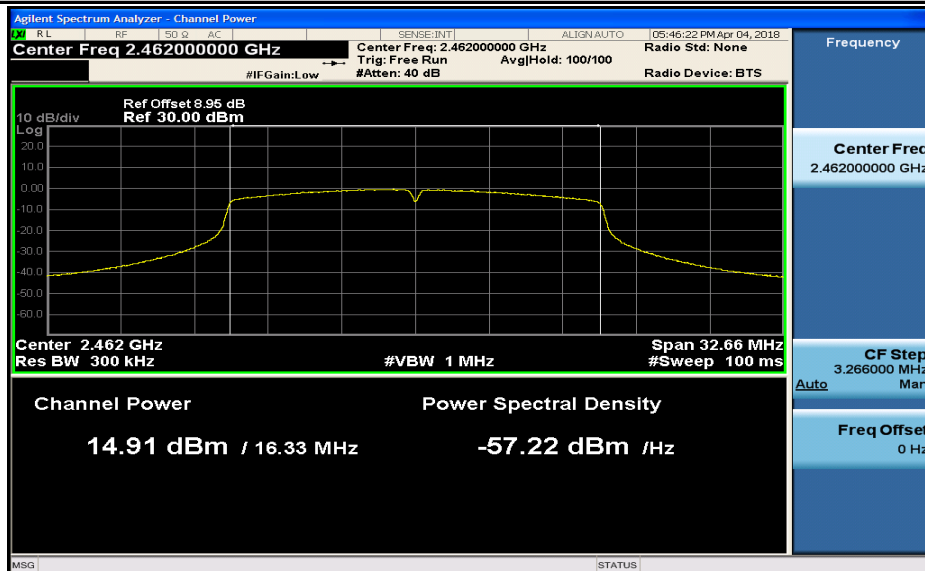
Maximum conducted (average) output power_11N20SISO_2412_Ant1



Maximum conducted (average) output power_11N20SISO_2437_Ant1



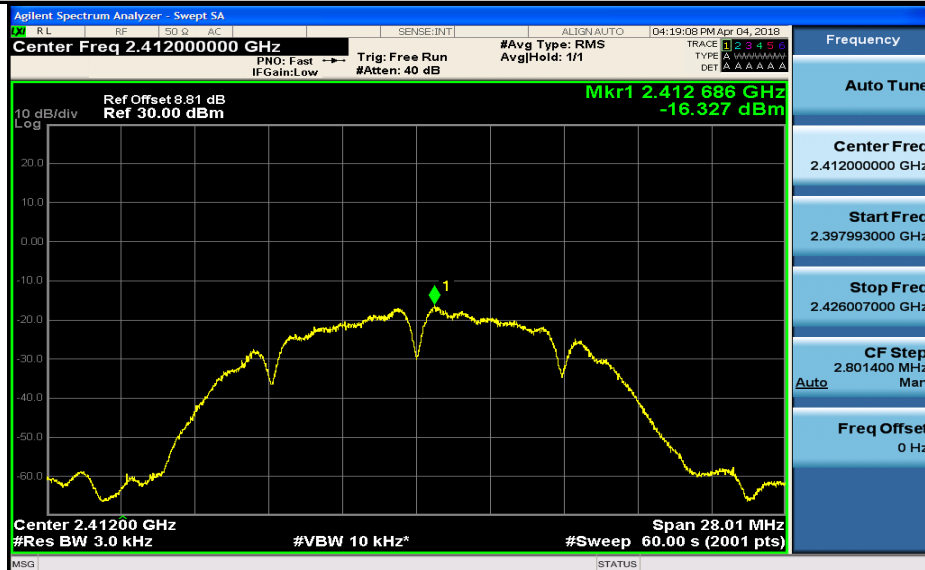
Maximum conducted (average) output power_11N20SISO_2462_Ant1



4.Maximum(average) power spectral density

| Test Mode | Test Channel | Ant | Level [dBm/3kHz] | 10log(1/x) Factor[dB] | PSD[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|--------------|------|------------------|-----------------------|---------------|-----------------|---------|
| 11B | 2412 | Ant1 | -16.33 | 0.05 | -16.28 | 8.00 | PASS |
| 11B | 2437 | Ant1 | -15.89 | 0.05 | -15.84 | 8.00 | PASS |
| 11B | 2462 | Ant1 | -15.74 | 0.05 | -15.69 | 8.00 | PASS |
| 11G | 2412 | Ant1 | -18.48 | 0.31 | -18.17 | 8.00 | PASS |
| 11G | 2437 | Ant1 | -18.41 | 0.32 | -18.09 | 8.00 | PASS |
| 11G | 2462 | Ant1 | -17.71 | 0.31 | -17.40 | 8.00 | PASS |
| 11N20SISO | 2412 | Ant1 | -19.56 | 0.31 | -19.25 | 8.00 | PASS |
| 11N20SISO | 2437 | Ant1 | -19.08 | 0.31 | -18.77 | 8.00 | PASS |
| 11N20SISO | 2462 | Ant1 | -18.64 | 0.31 | -18.33 | 8.00 | PASS |

Maximum(average) power spectral density_11B_2412_Ant1



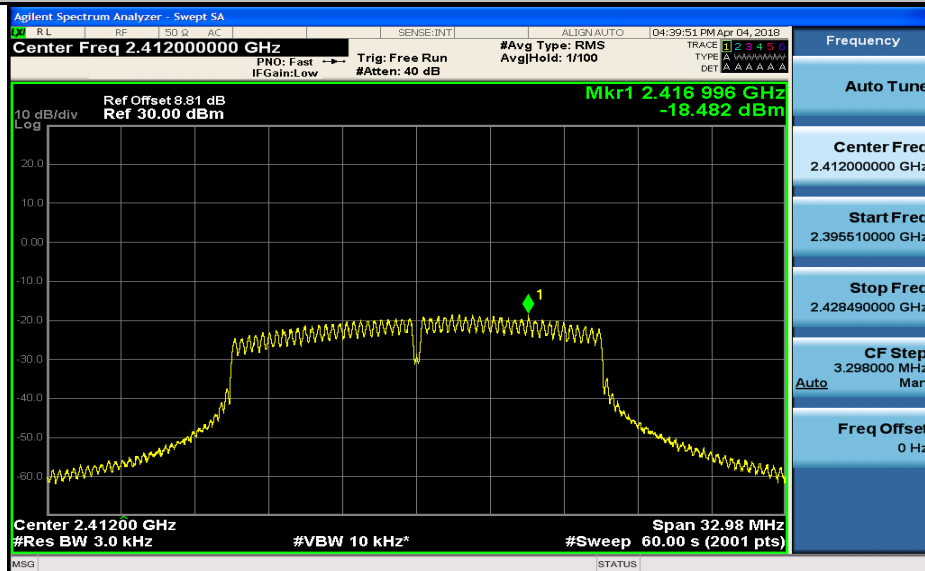
Maximum(average) power spectral density_11B_2437_Ant1



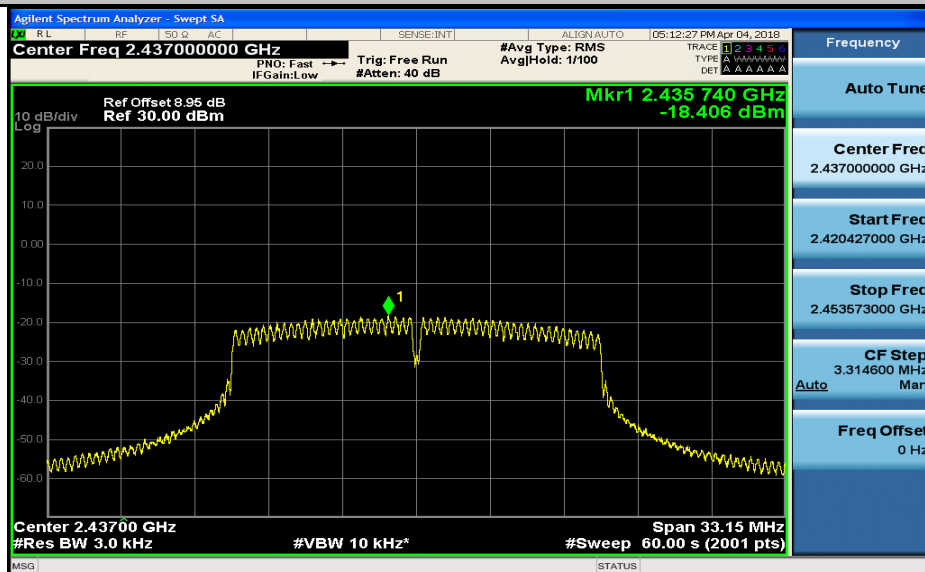
Maximum(average) power spectral density_11B_2462_Ant1



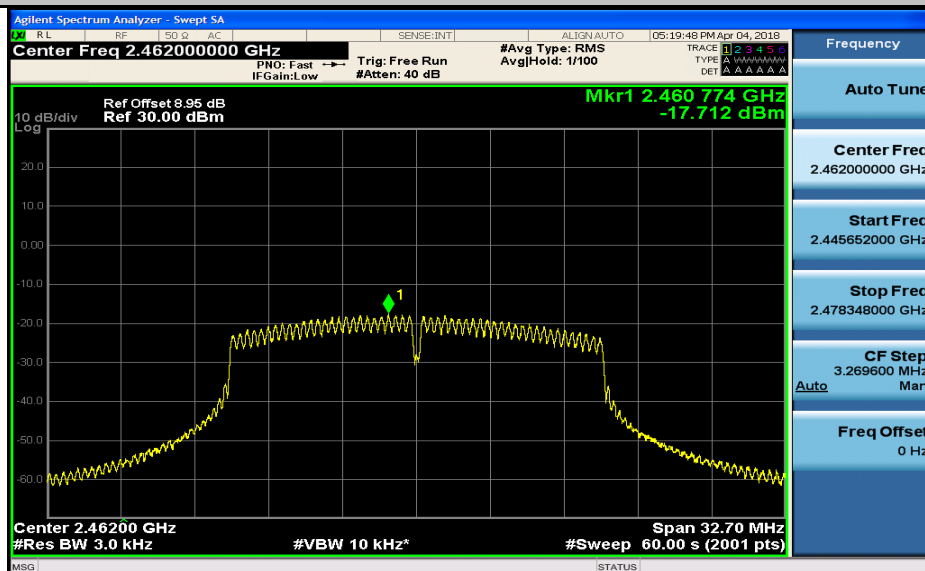
Maximum(average) power spectral density_11G_2412_Ant1



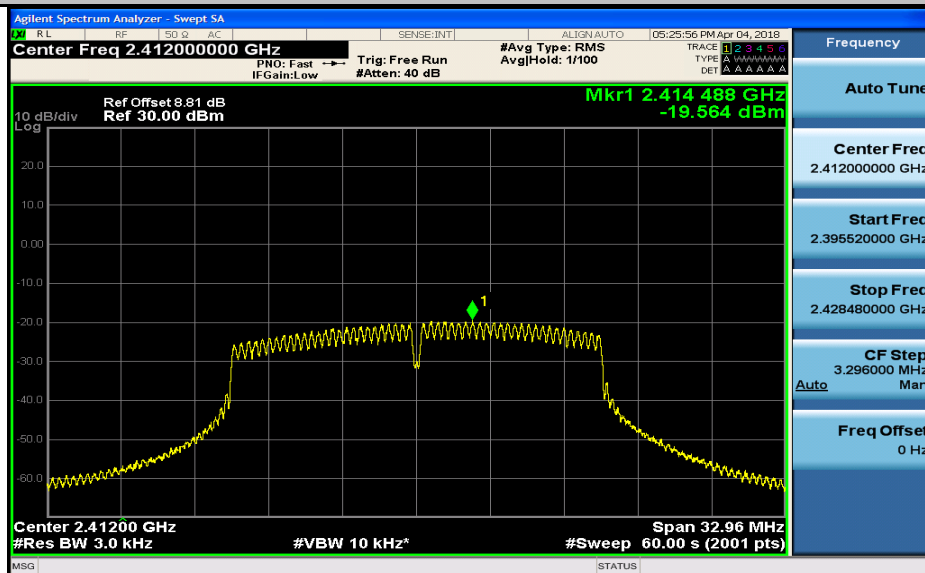
Maximum(average) power spectral density_11G_2437_Ant1



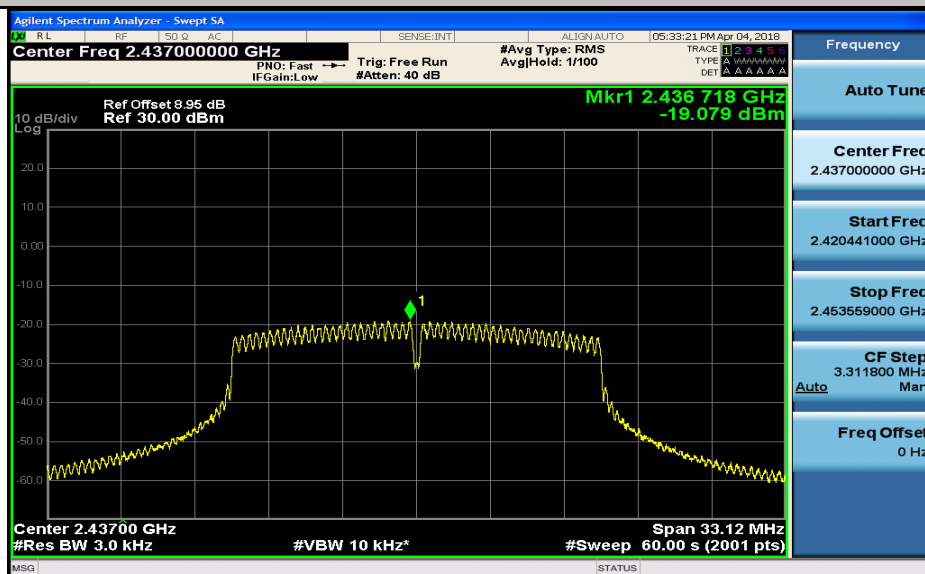
Maximum(average) power spectral density_11G_2462_Ant1



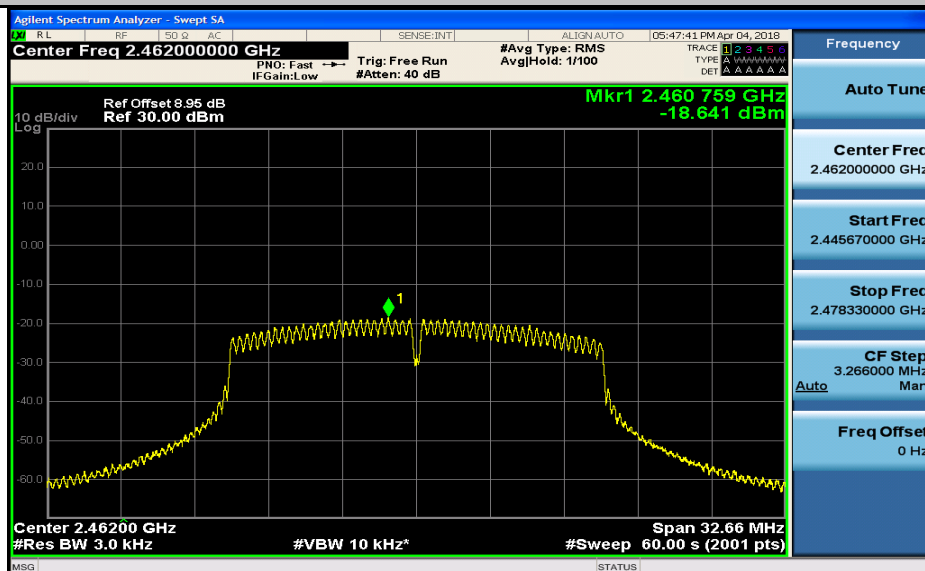
Maximum(average) power spectral density_11N20SISO_2412_Ant1



Maximum(average) power spectral density_11N20SISO_2437_Ant1



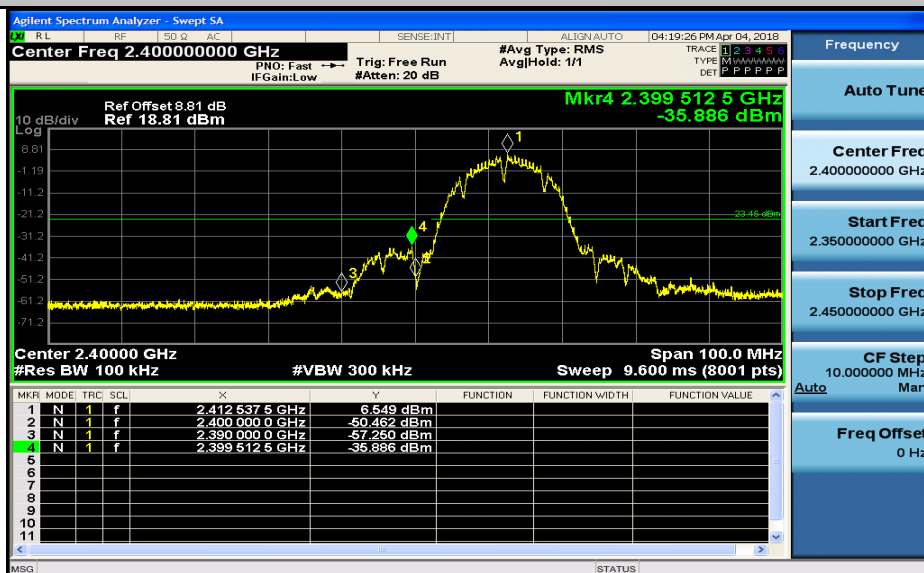
Maximum(average) power spectral density_11N20SISO_2462_Ant1



5.Band-edge for RF Conducted Emissions

| Test Mode | Test Channel | Ant | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|--------------------|---------------------------|-------------|---------|
| 11B | 2412 | Ant1 | 6.55 | -35.89 | -23.45 | PASS |
| 11B | 2462 | Ant1 | 7.59 | -56.31 | -22.41 | PASS |
| 11G | 2412 | Ant1 | 4.78 | -28.79 | -25.22 | PASS |
| 11G | 2462 | Ant1 | 5.29 | -39.11 | -24.71 | PASS |
| 11N20SISO | 2412 | Ant1 | 4.57 | -31.88 | -25.43 | PASS |
| 11N20SISO | 2462 | Ant1 | 4.43 | -42.89 | -25.57 | PASS |

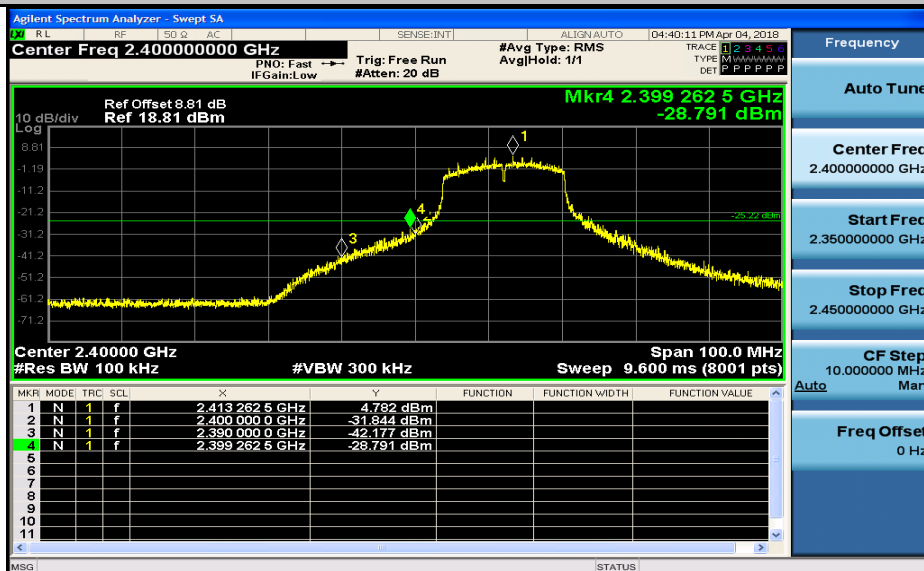
Band-edge for RF Conducted Emissions_11B_2412_Ant1



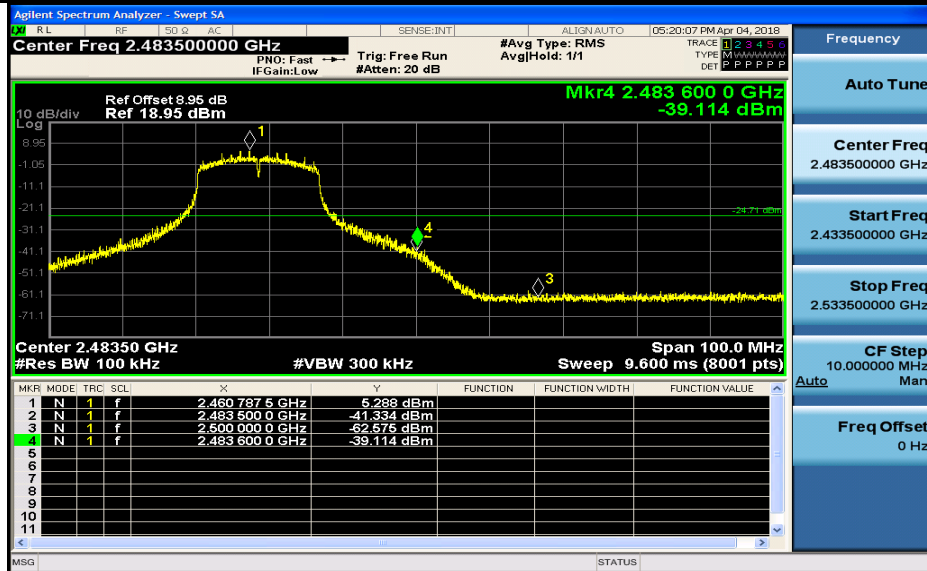
Band-edge for RF Conducted Emissions_11B_2462_Ant1



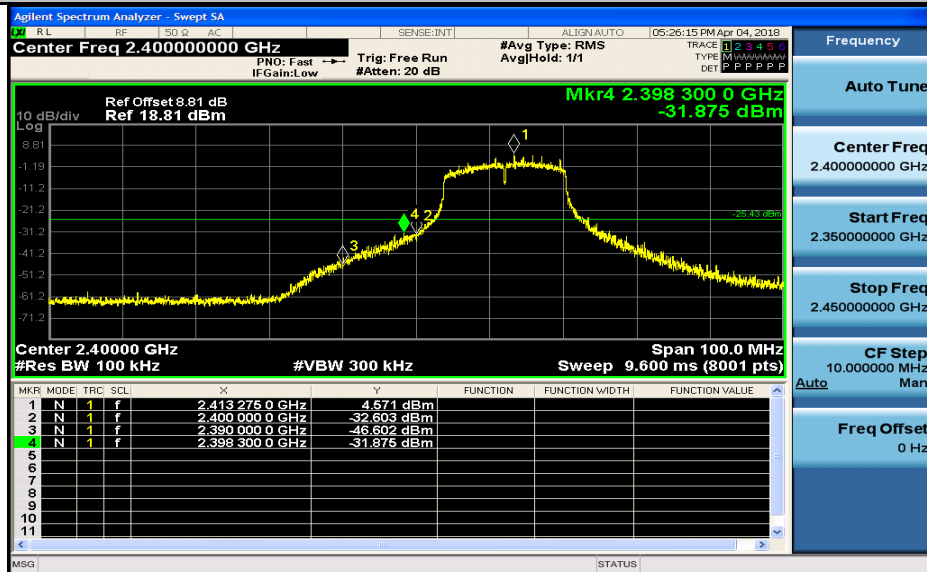
Band-edge for RF Conducted Emissions_11G_2412_Ant1



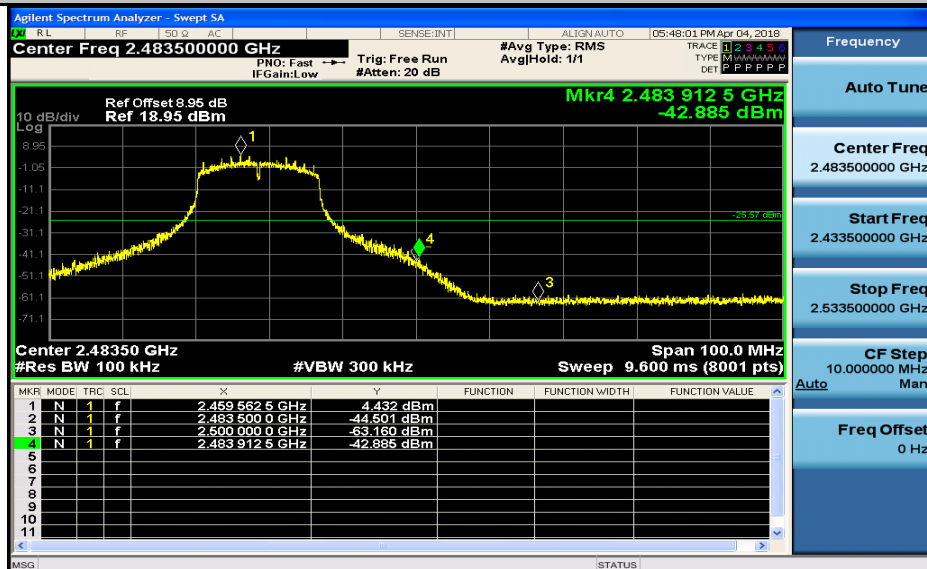
Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



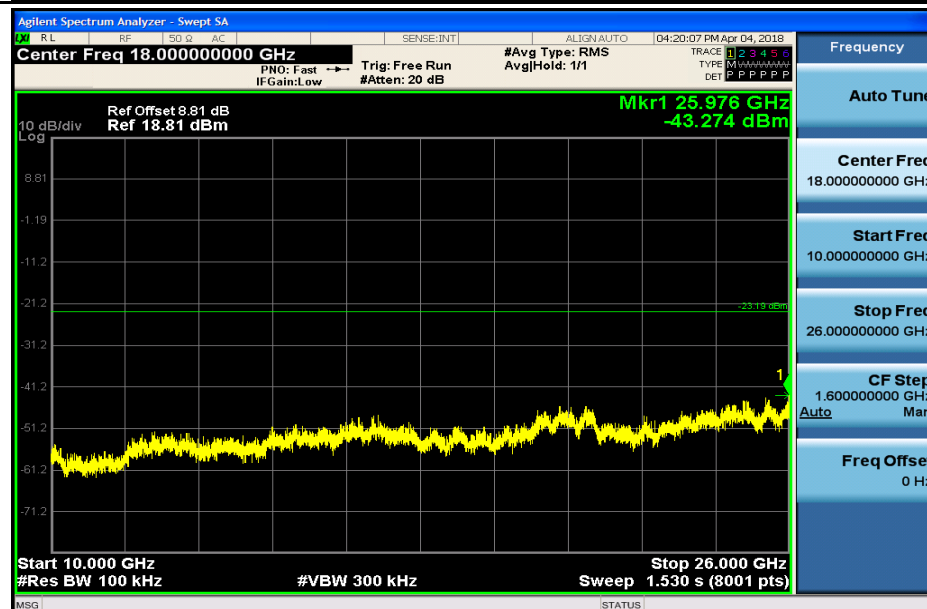
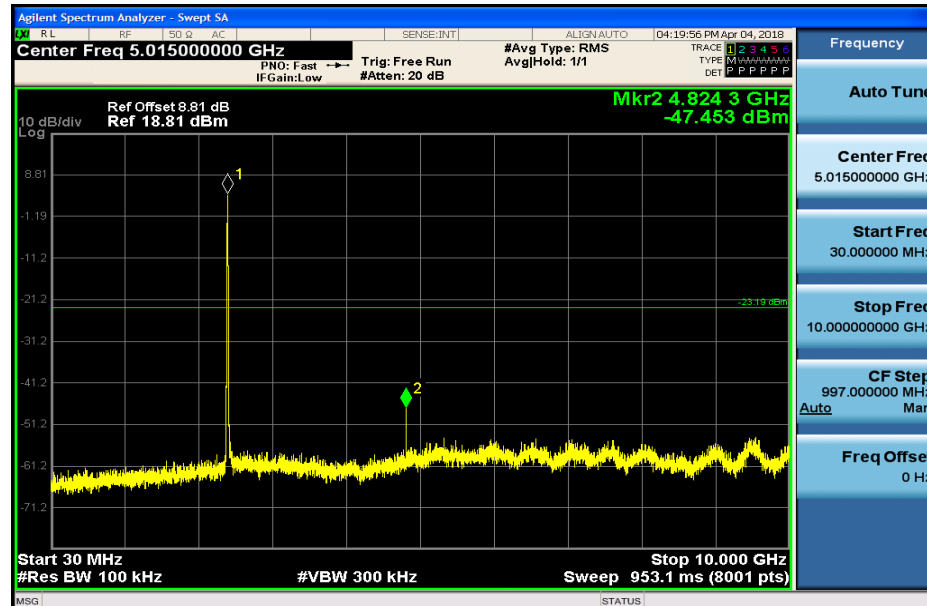
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



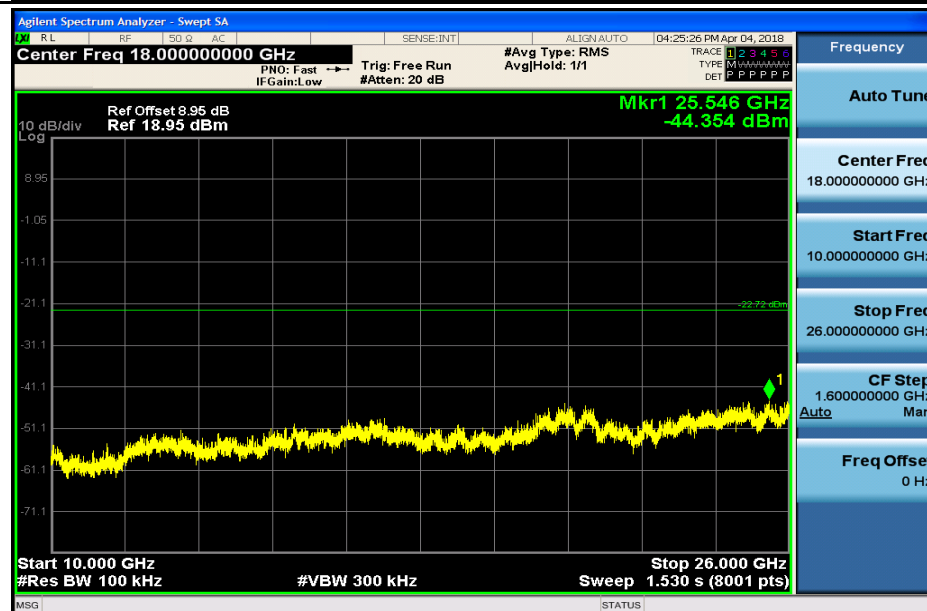
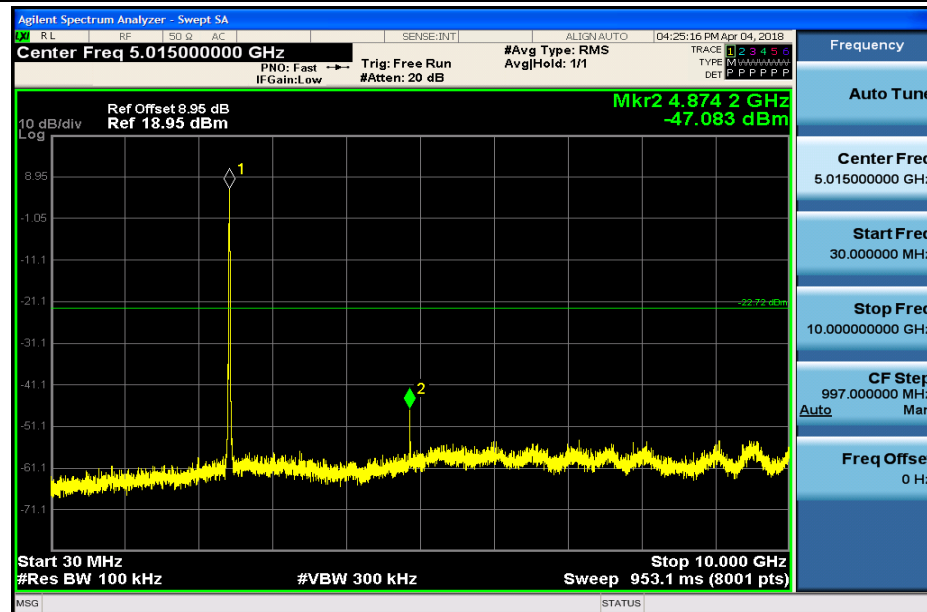
6.RF Conducted Spurious Emissions

| Test Mode | Test Channel | Ant | StartFre [MHz] | StopFre [MHz] | RBW [kHz] | VBW [kHz] | Pref[dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|----------------|---------------|-----------|-----------|-----------|------------------|--------------|---------|
| 11B | 2412 | Ant1 | 30 | 10000 | 100 | 300 | 6.81 | -47.45 | <- 23.19 | PASS |
| 11B | 2412 | Ant1 | 10000 | 26000 | 100 | 300 | 6.806 | -43.274 | <- 23.194 | PASS |
| 11B | 2437 | Ant1 | 30 | 10000 | 100 | 300 | 7.28 | -47.08 | <- 22.72 | PASS |
| 11B | 2437 | Ant1 | 10000 | 26000 | 100 | 300 | 7.278 | -44.354 | <- 22.722 | PASS |
| 11B | 2462 | Ant1 | 30 | 10000 | 100 | 300 | 7.78 | -44.67 | <- 22.22 | PASS |
| 11B | 2462 | Ant1 | 10000 | 26000 | 100 | 300 | 7.784 | -42.195 | <- 22.216 | PASS |
| 11G | 2412 | Ant1 | 30 | 10000 | 100 | 300 | 5.62 | -53.79 | <- 24.38 | PASS |
| 11G | 2412 | Ant1 | 10000 | 26000 | 100 | 300 | 5.617 | -44.876 | <- 24.383 | PASS |
| 11G | 2437 | Ant1 | 30 | 10000 | 100 | 300 | 5.42 | -54.20 | <- 24.58 | PASS |
| 11G | 2437 | Ant1 | 10000 | 26000 | 100 | 300 | 5.417 | -44.315 | <- 24.583 | PASS |
| 11G | 2462 | Ant1 | 30 | 10000 | 100 | 300 | 5.43 | -52.54 | <- 24.58 | PASS |
| 11G | 2462 | Ant1 | 10000 | 26000 | 100 | 300 | 5.425 | -43.497 | <- 24.575 | PASS |
| 11N20SISO | 2412 | Ant1 | 30 | 10000 | 100 | 300 | 4.40 | -54.14 | <- 25.60 | PASS |
| 11N20SISO | 2412 | Ant1 | 10000 | 26000 | 100 | 300 | 4.396 | -44.241 | <- 25.604 | PASS |
| 11N20SISO | 2437 | Ant1 | 30 | 10000 | 100 | 300 | 4.92 | -54.26 | <- 25.08 | PASS |
| 11N20SISO | 2437 | Ant1 | 10000 | 26000 | 100 | 300 | 4.917 | -44.242 | <- 25.083 | PASS |
| 11N20SISO | 2462 | Ant1 | 30 | 10000 | 100 | 300 | 5.24 | -53.94 | <- 24.76 | PASS |
| 11N20SISO | 2462 | Ant1 | 10000 | 26000 | 100 | 300 | 5.239 | -43.765 | <- 24.761 | PASS |

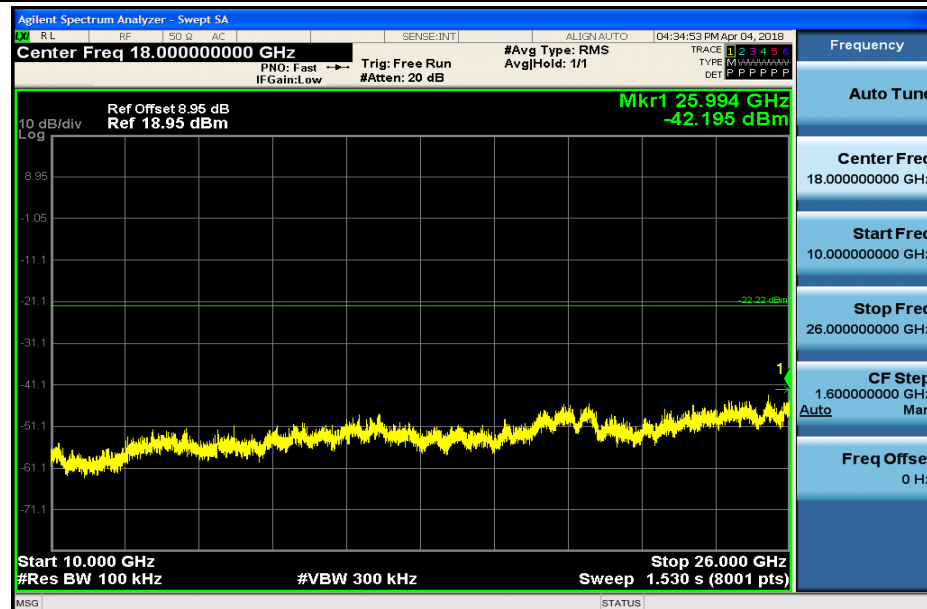
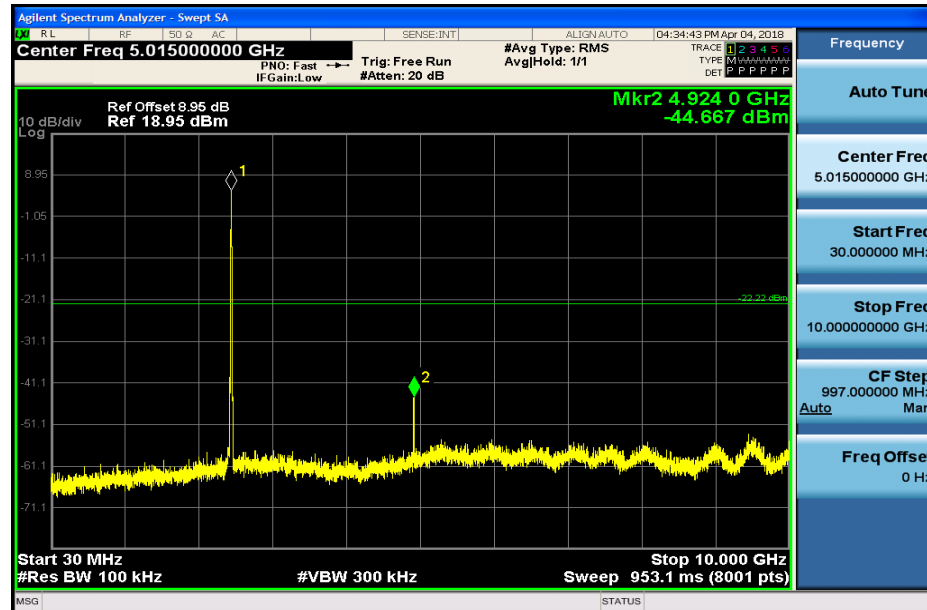
RF Conducted Spurious Emissions_11B_2412



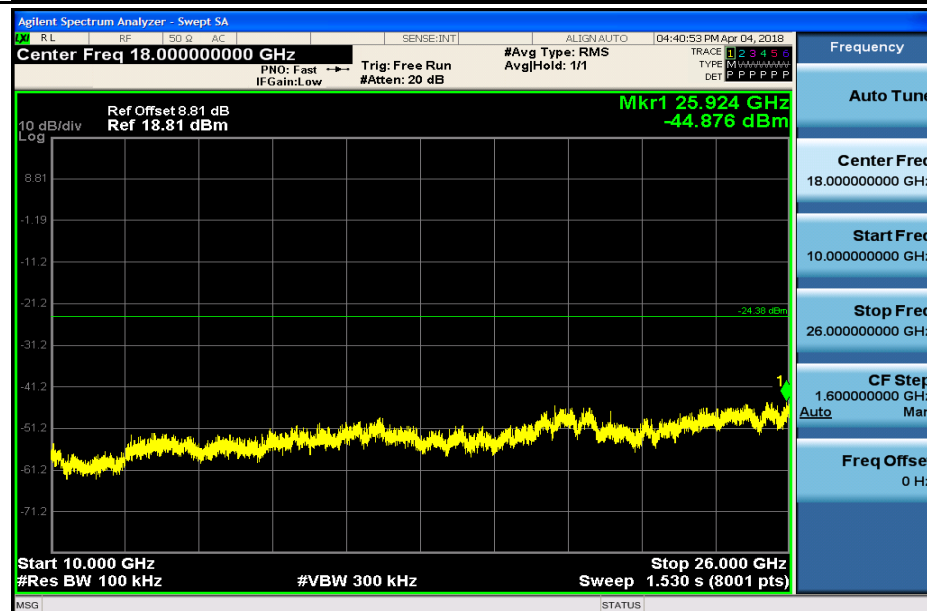
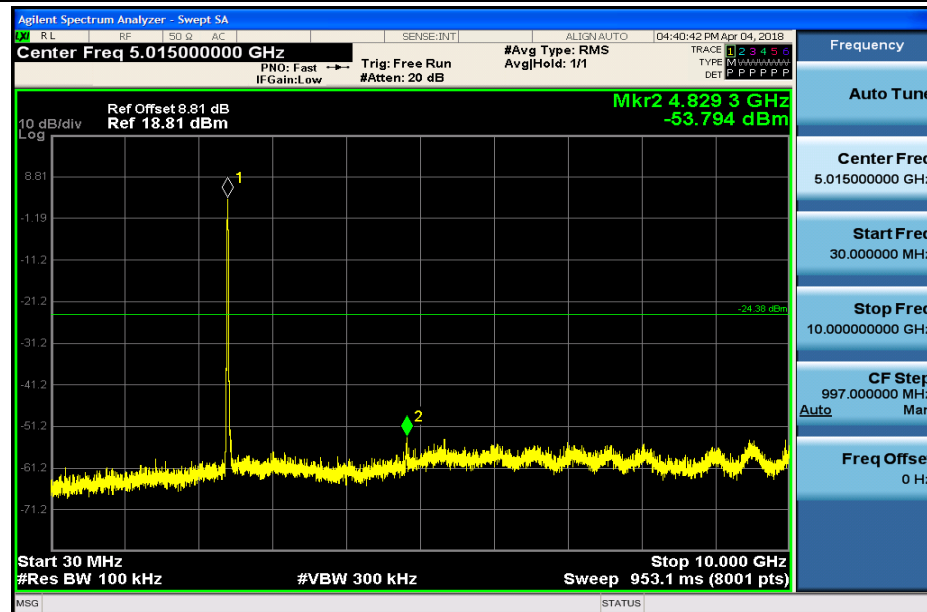
RF Conducted Spurious Emissions_11B_2437



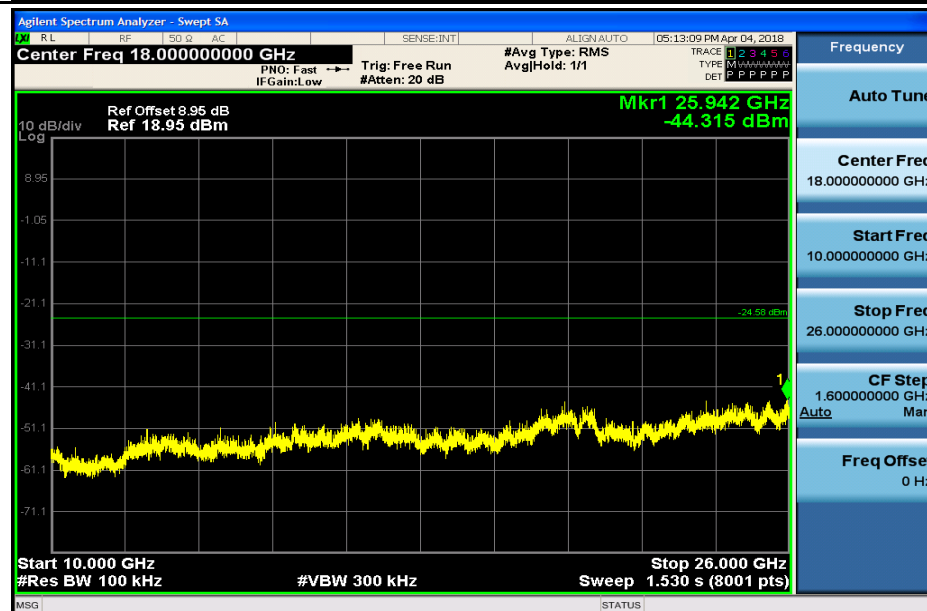
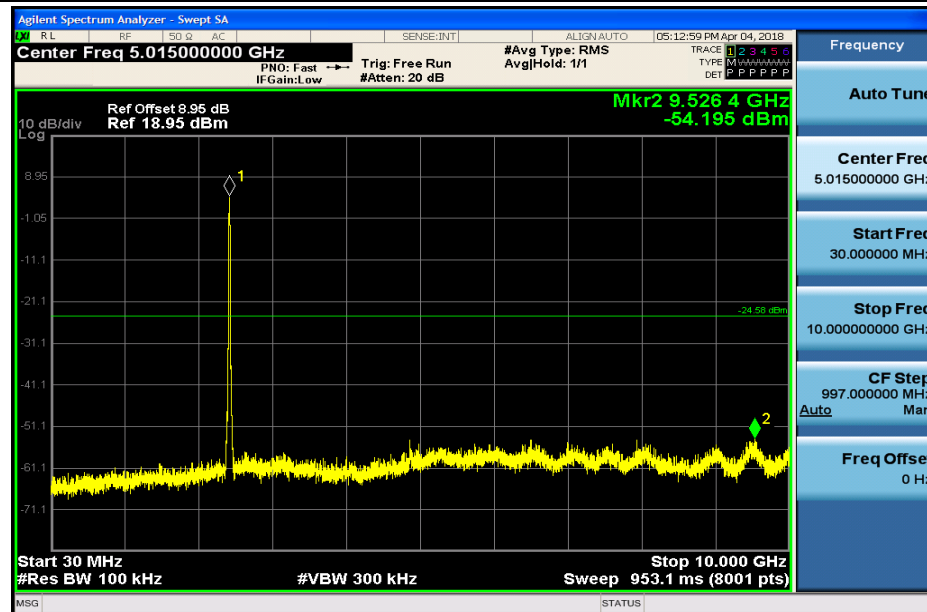
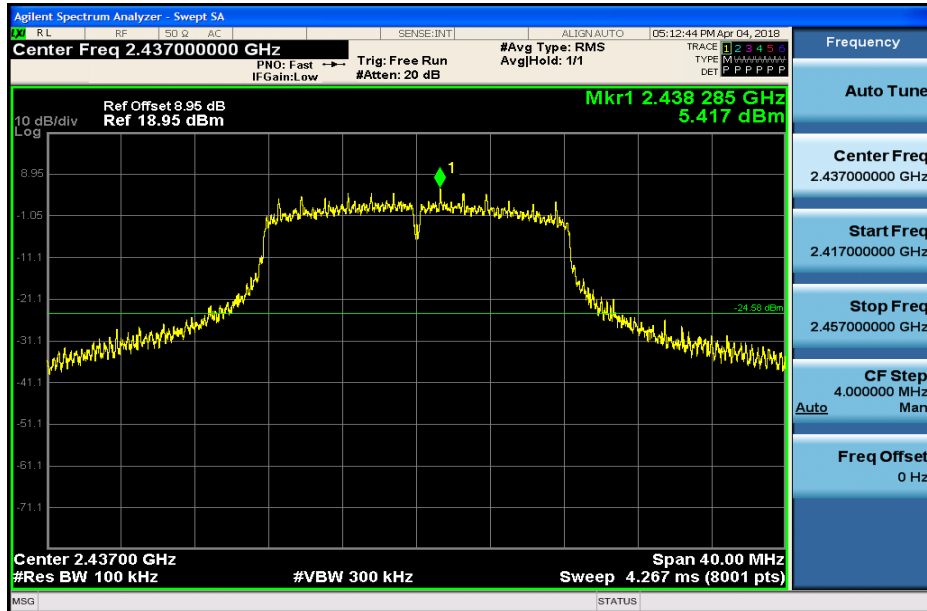
RF Conducted Spurious Emissions_11B_2462



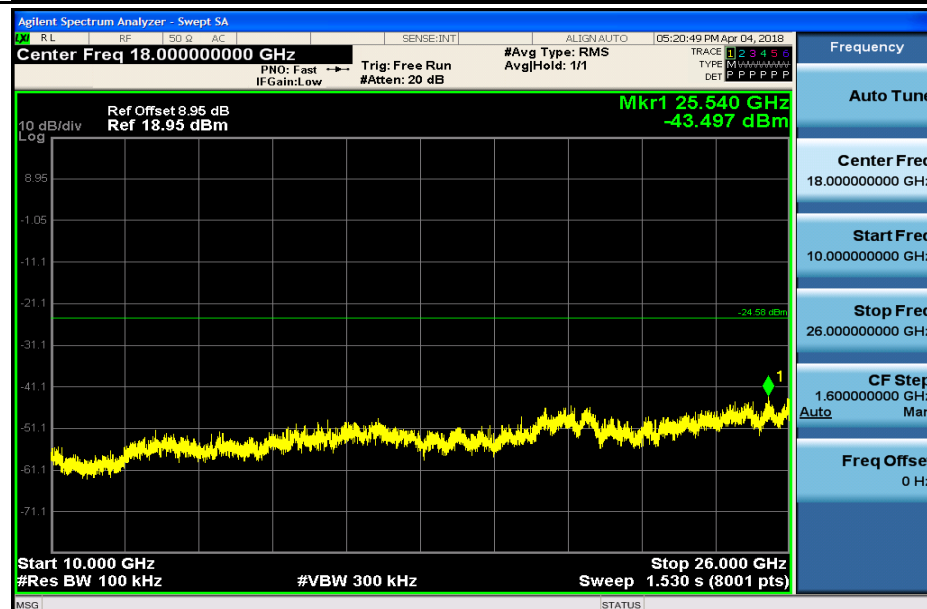
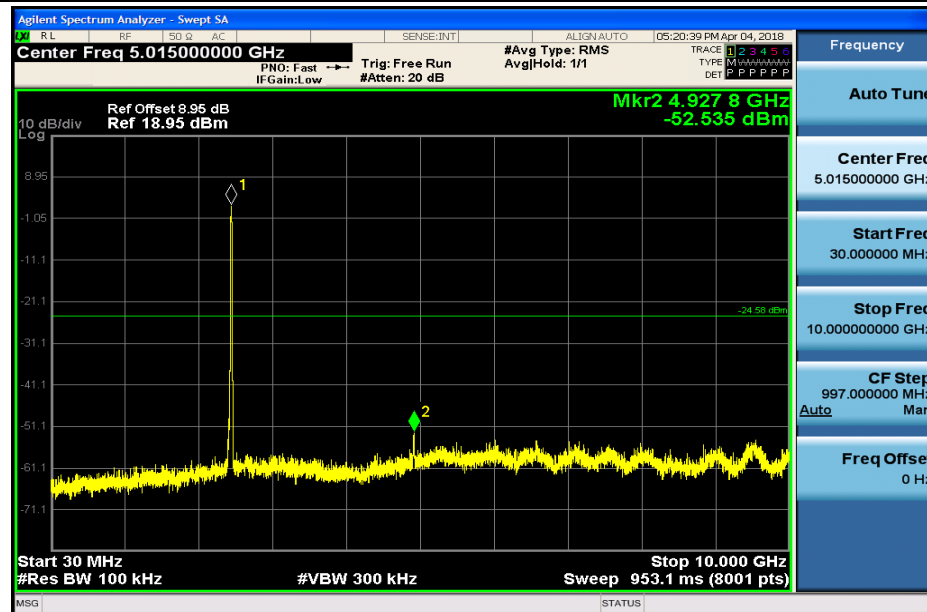
RF Conducted Spurious Emissions_11G_2412



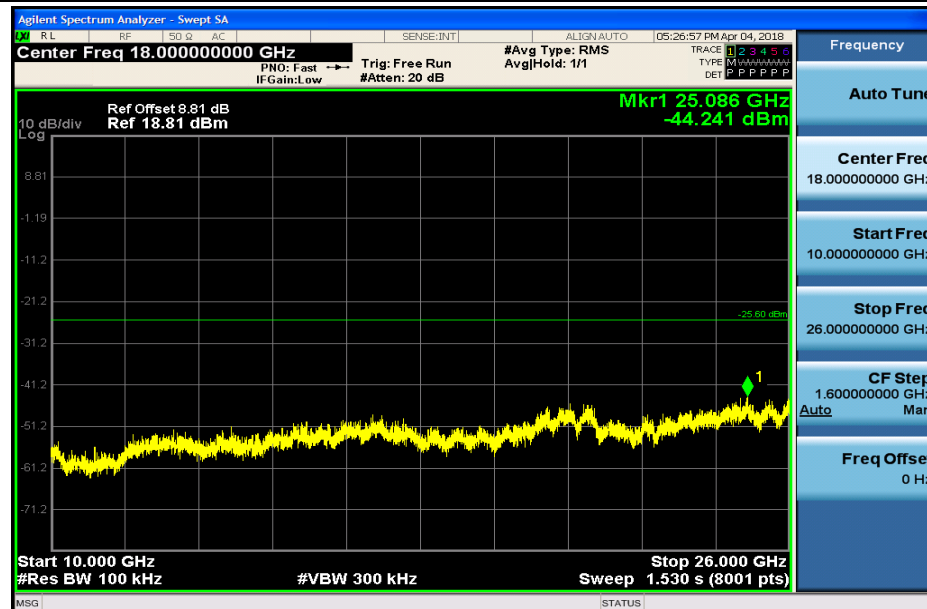
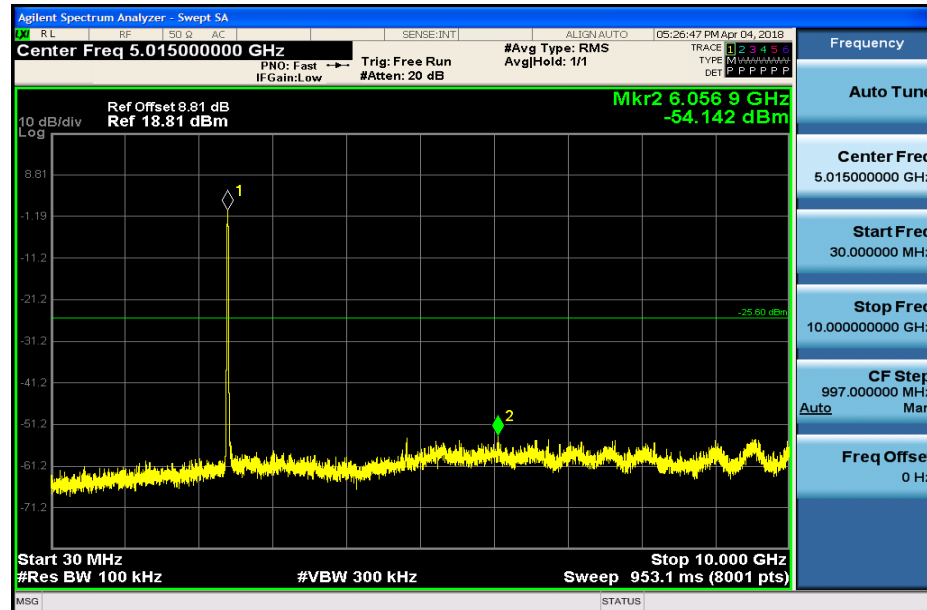
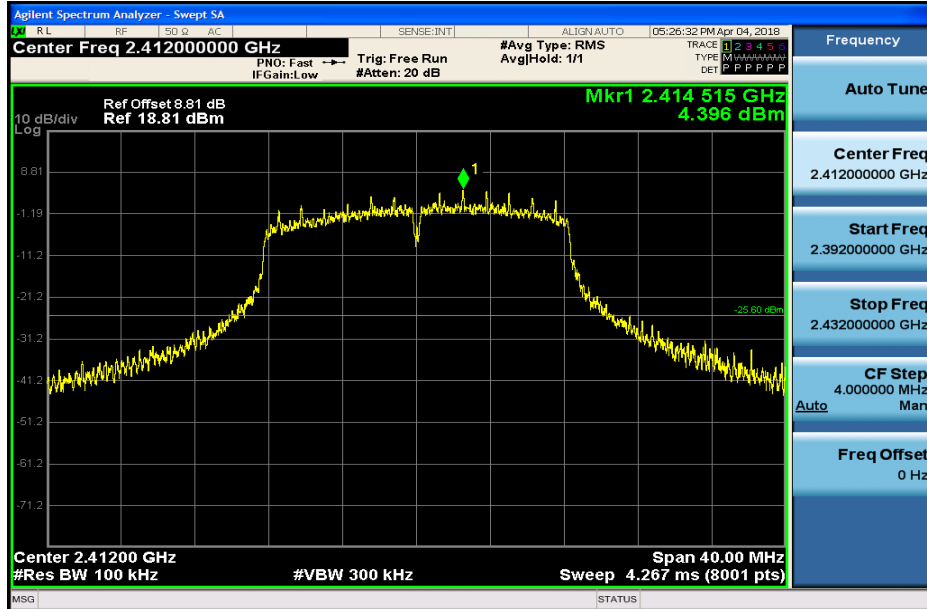
RF Conducted Spurious Emissions_11G_2437



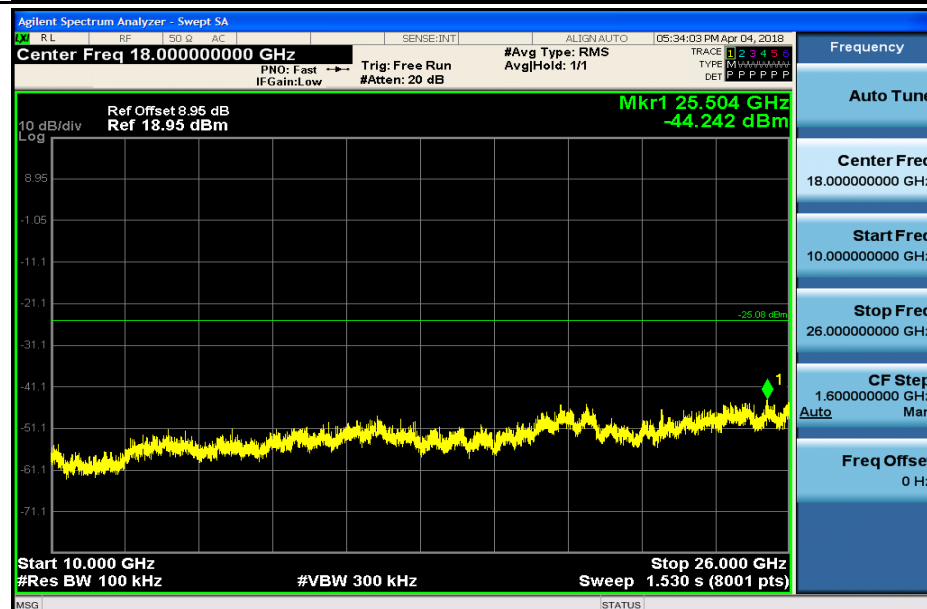
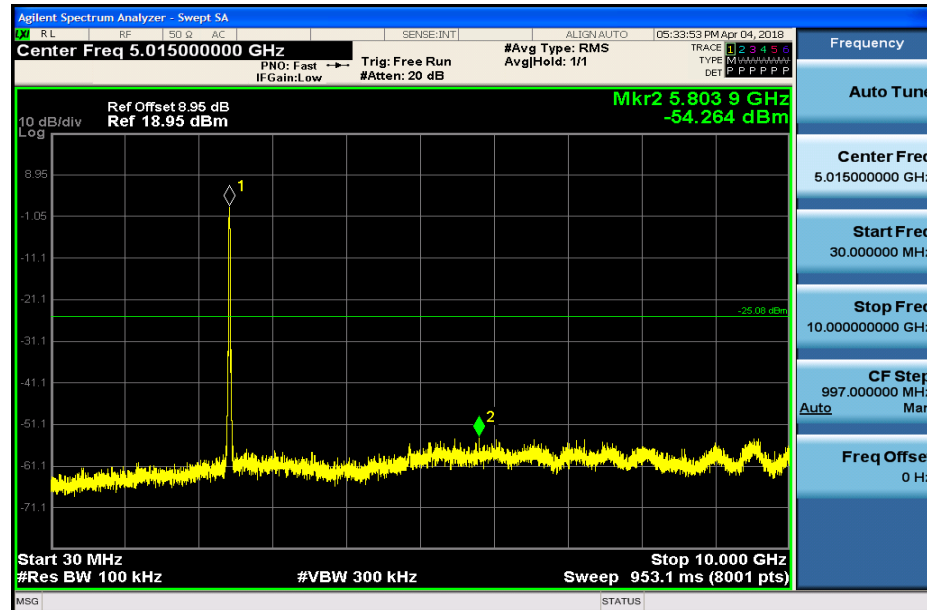
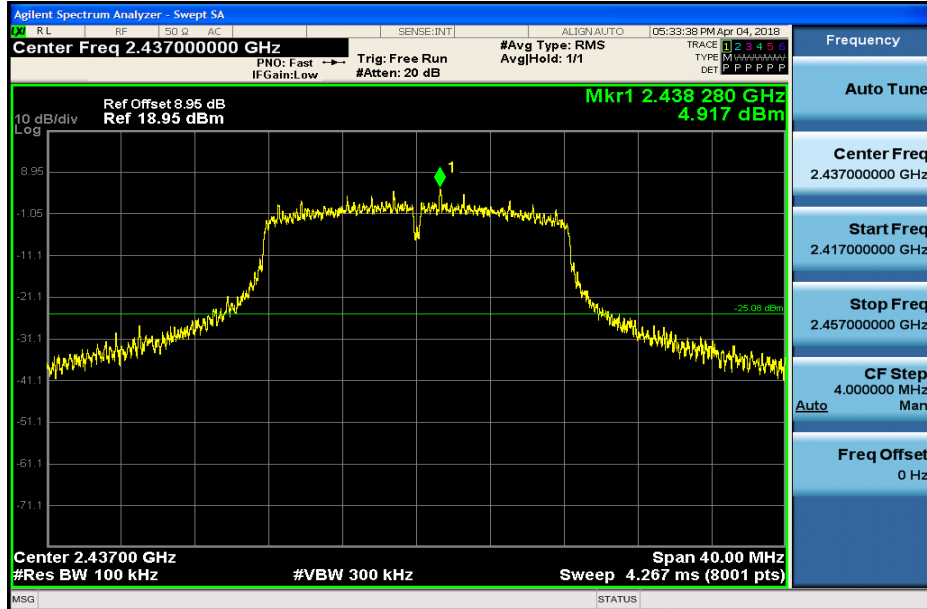
RF Conducted Spurious Emissions_11G_2462



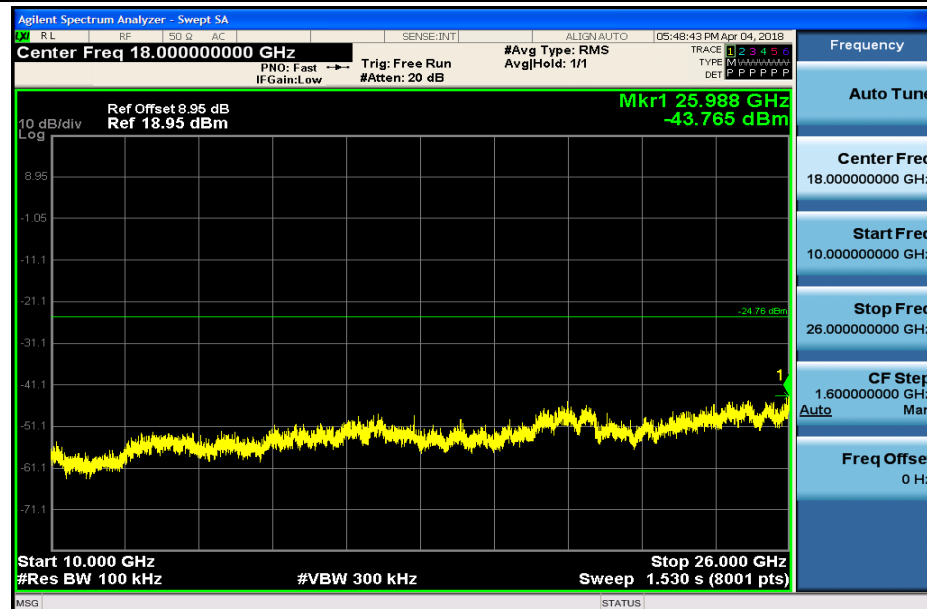
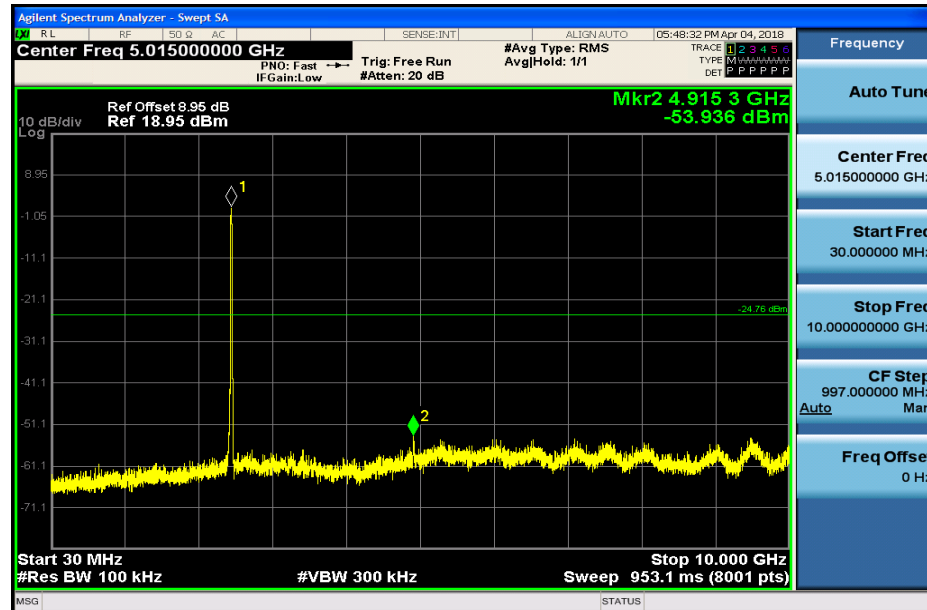
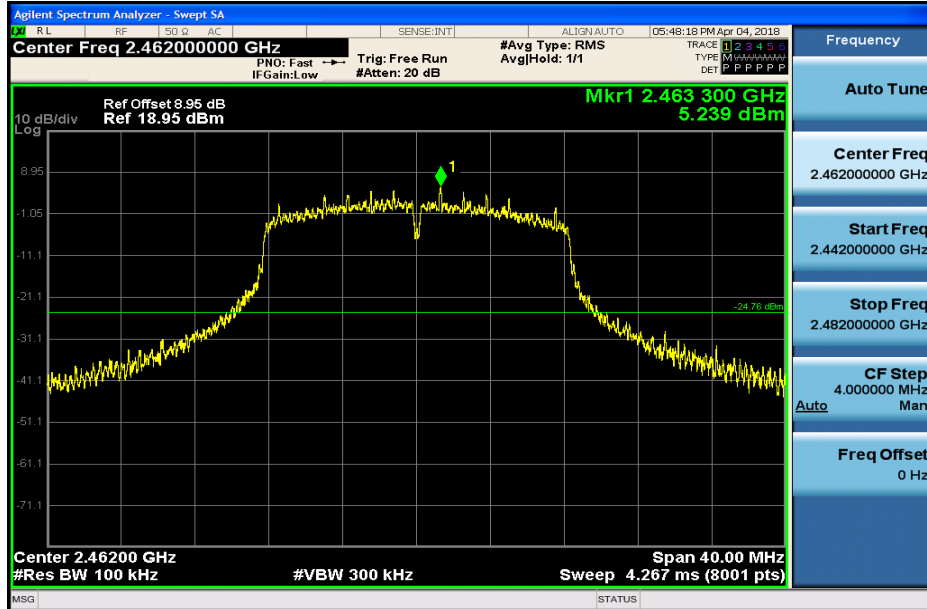
RF Conducted Spurious Emissions_11N20SISO_2412



RF Conducted Spurious Emissions_11N20SISO_2437



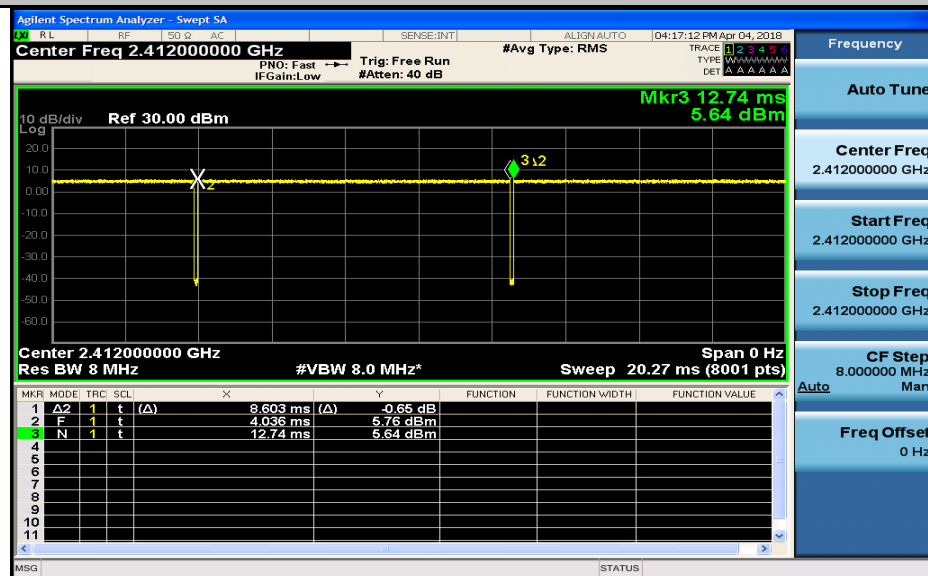
RF Conducted Spurious Emissions_11N20SISO_2462



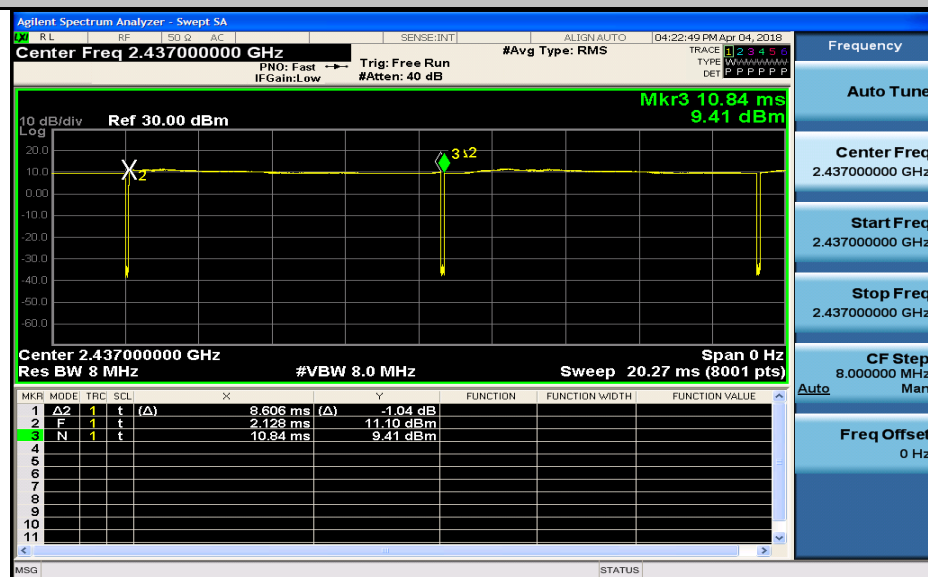
7.Duty Cycle

| Test Mode | Test Channel | Ant | Duty Cycle[%] | 10log(1/x) Factor[dB] |
|-----------|--------------|------|---------------|-----------------------|
| 11B | 2412 | Ant1 | 98.84 | 0.05 |
| 11B | 2437 | Ant1 | 98.84 | 0.05 |
| 11B | 2462 | Ant1 | 98.84 | 0.05 |
| 11G | 2412 | Ant1 | 93.03 | 0.31 |
| 11G | 2437 | Ant1 | 92.88 | 0.32 |
| 11G | 2462 | Ant1 | 93.05 | 0.31 |
| 11N20SISO | 2412 | Ant1 | 93.05 | 0.31 |
| 11N20SISO | 2437 | Ant1 | 93.05 | 0.31 |
| 11N20SISO | 2462 | Ant1 | 93.05 | 0.31 |

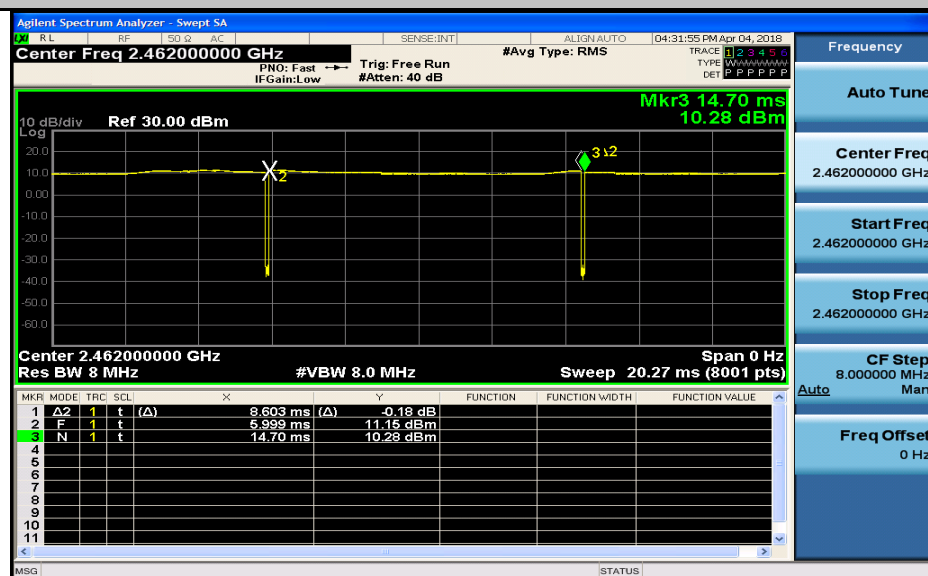
Duty Cycle_11B_2412_Ant1



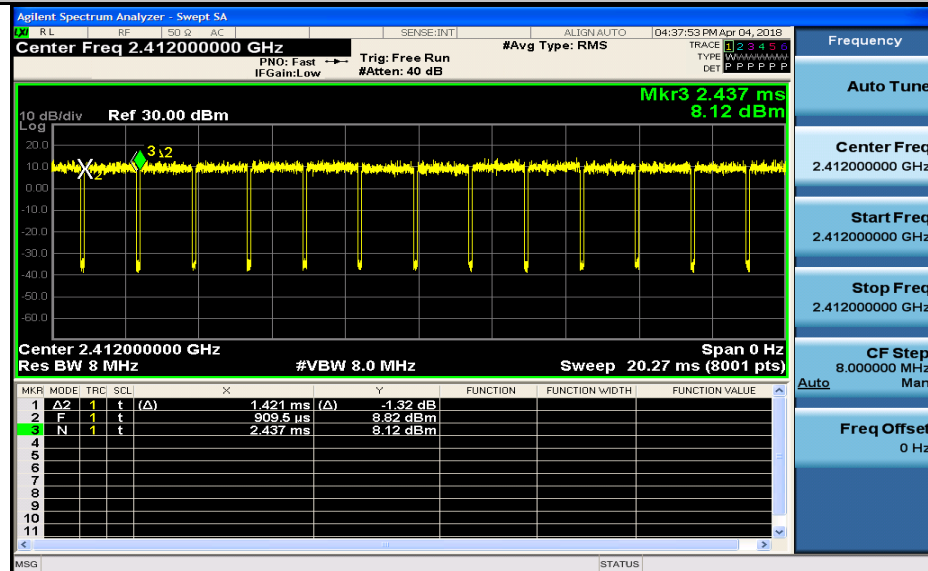
Duty Cycle_11B_2437_Ant1



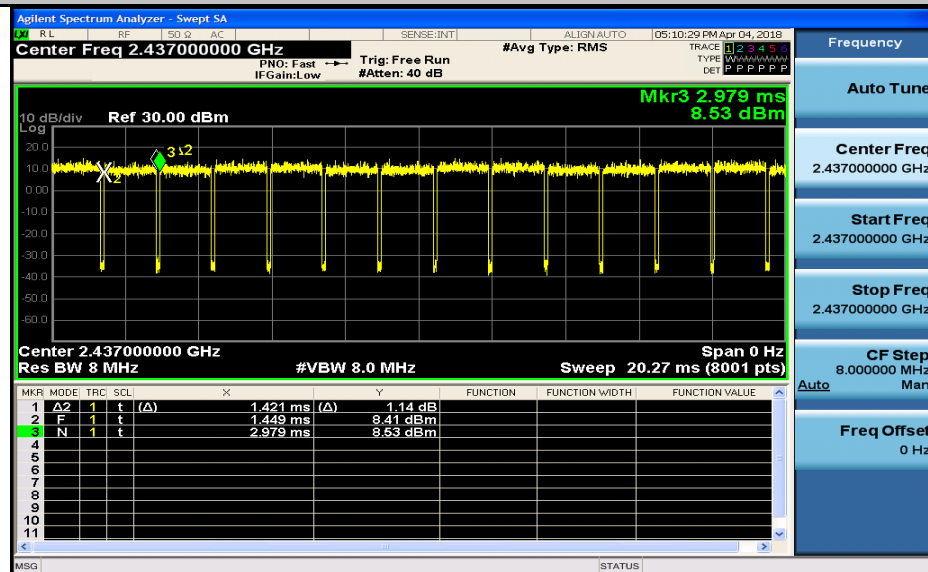
Duty Cycle_11B_2462_Ant1



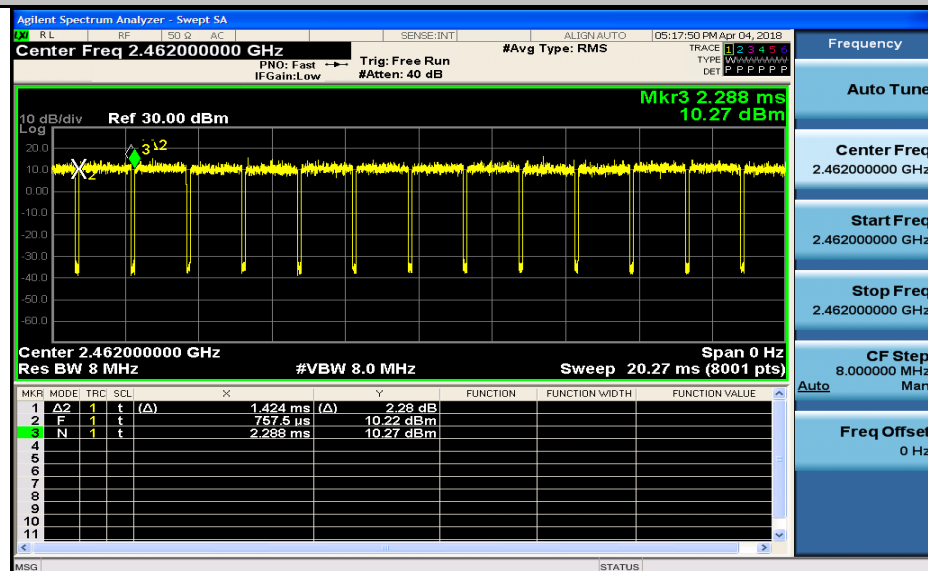
Duty Cycle_11G_2412_Ant1



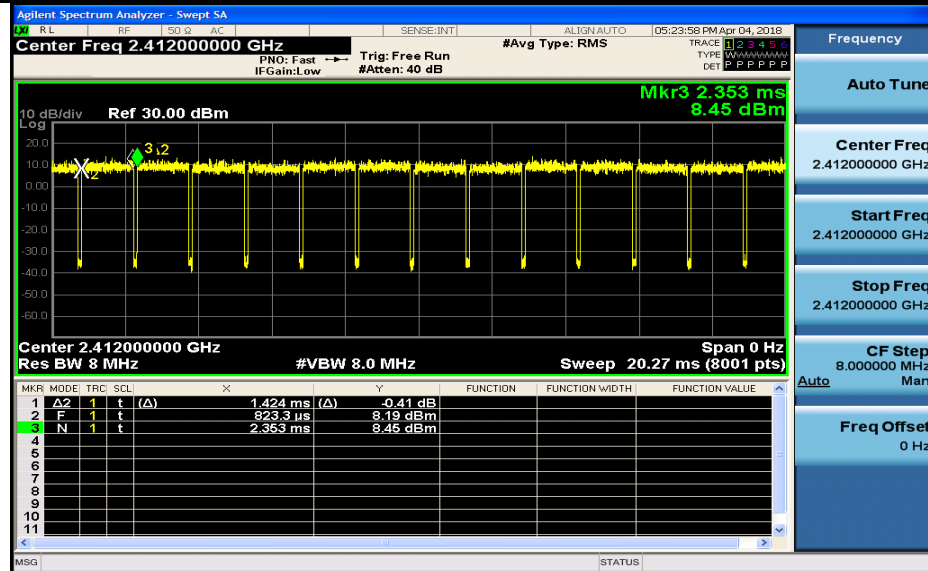
Duty Cycle_11G_2437_Ant1



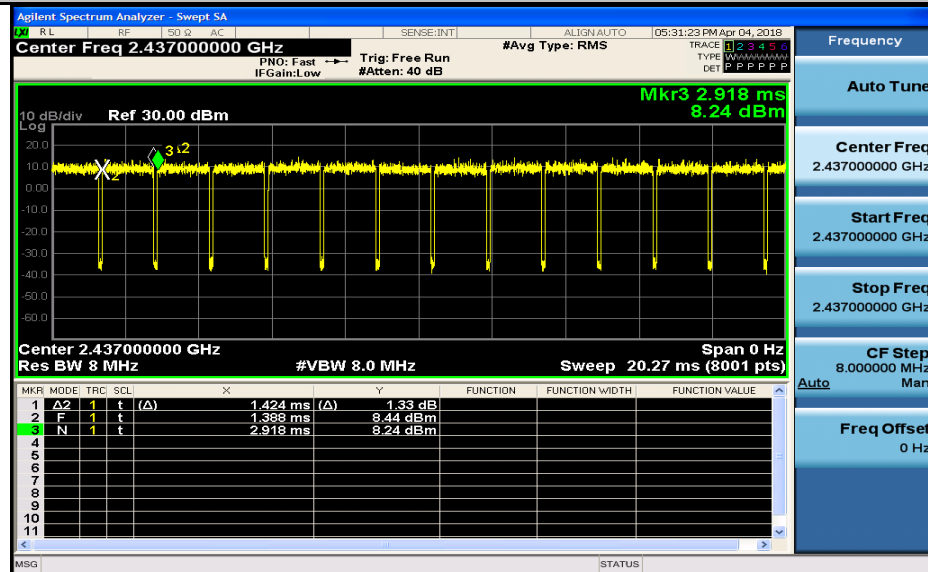
Duty Cycle_11G_2462_Ant1



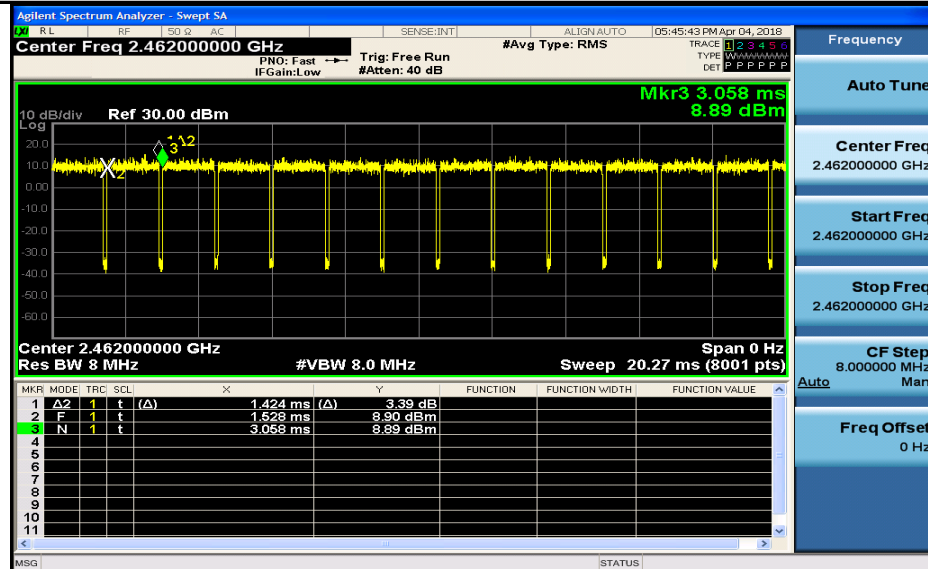
Duty Cycle_11N20SISO_2412_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N20SISO_2462_Ant1





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