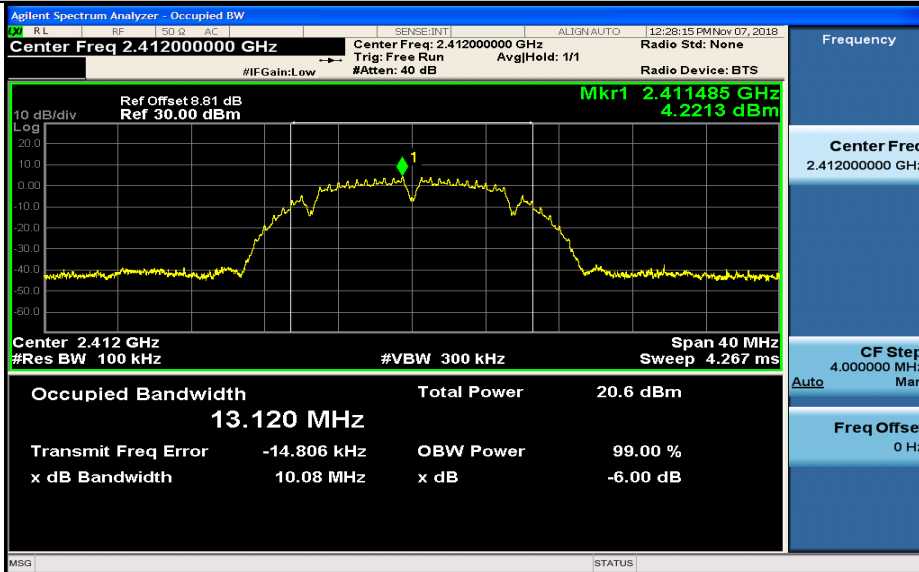


Appendix C for SHEM180900831603

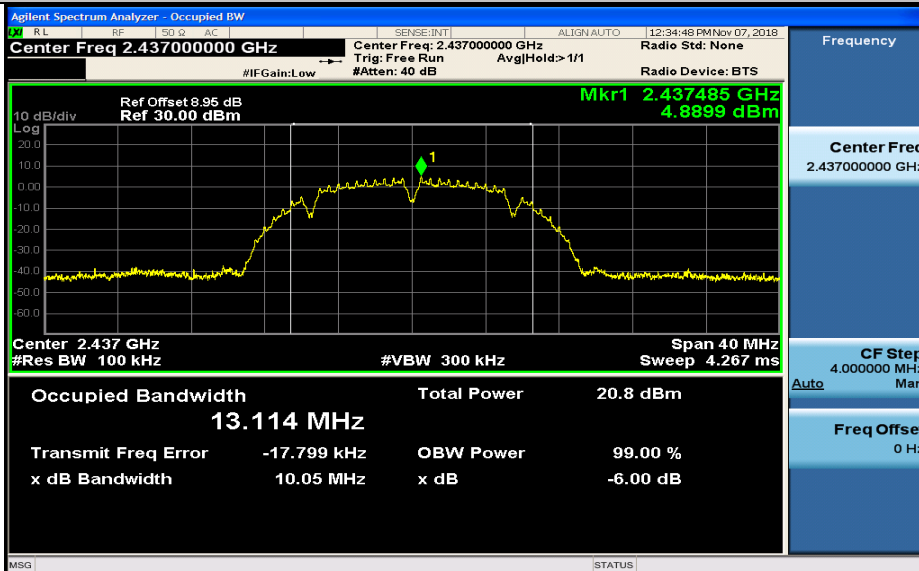
1.6dB Bandwidth

| Test Mode | Test Channel | Ant | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|-------|---------|
| 11B | 2412 | Ant1 | 10.08 | 0.5 | PASS |
| 11B | 2437 | Ant1 | 10.05 | 0.5 | PASS |
| 11B | 2462 | Ant1 | 10.08 | 0.5 | PASS |
| 11G | 2412 | Ant1 | 16.54 | 0.5 | PASS |
| 11G | 2437 | Ant1 | 16.53 | 0.5 | PASS |
| 11G | 2462 | Ant1 | 16.57 | 0.5 | PASS |
| 11N20SISO | 2412 | Ant1 | 17.72 | 0.5 | PASS |
| 11N20SISO | 2437 | Ant1 | 17.68 | 0.5 | PASS |
| 11N20SISO | 2462 | Ant1 | 17.68 | 0.5 | PASS |
| 11N40SISO | 2422 | Ant1 | 36.36 | 0.5 | PASS |
| 11N40SISO | 2437 | Ant1 | 36.39 | 0.5 | PASS |
| 11N40SISO | 2452 | Ant1 | 36.37 | 0.5 | PASS |

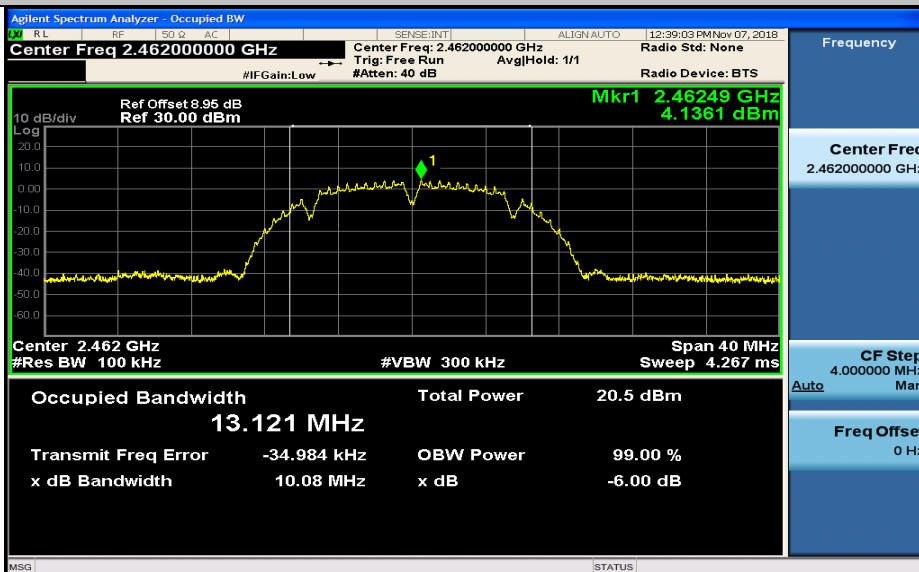
6dB Bandwidth_11B_2412_Ant1



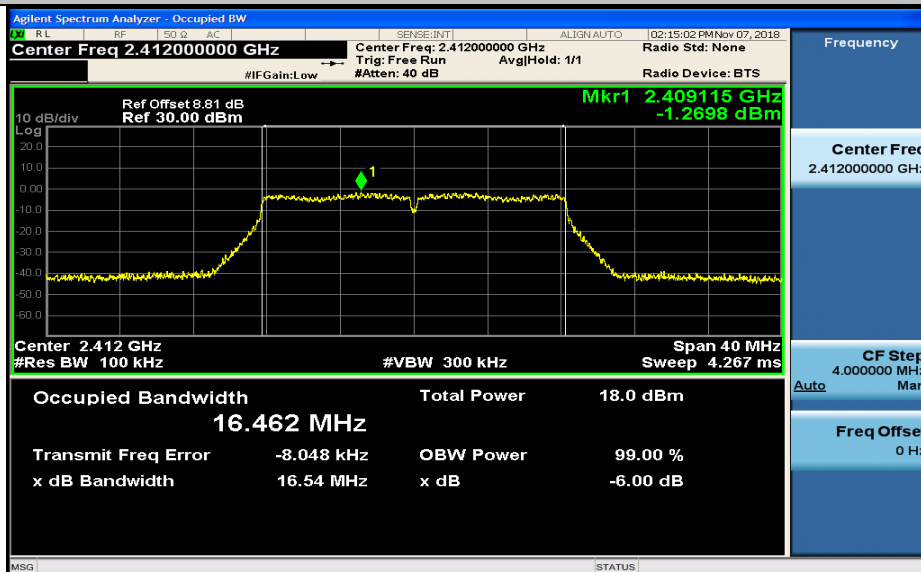
6dB Bandwidth_11B_2437_Ant1



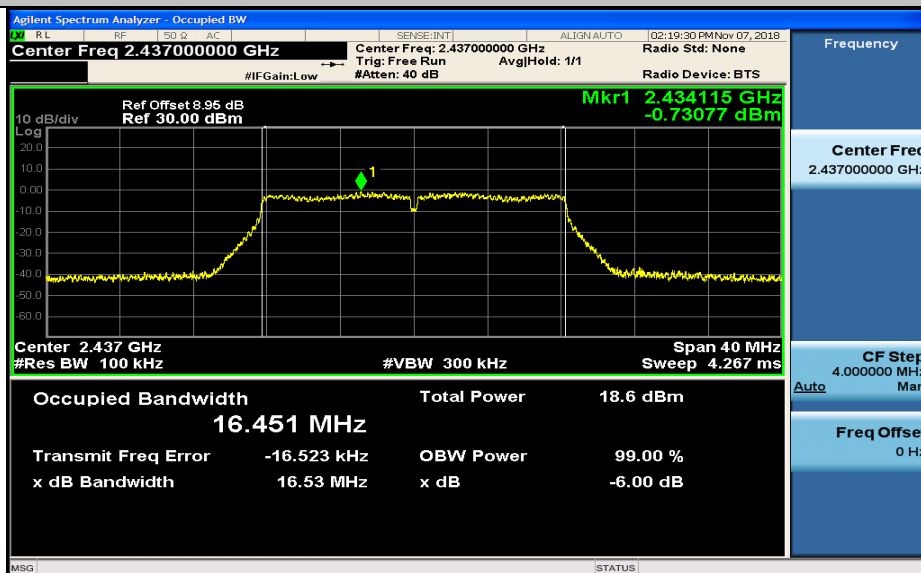
6dB Bandwidth_11B_2462_Ant1



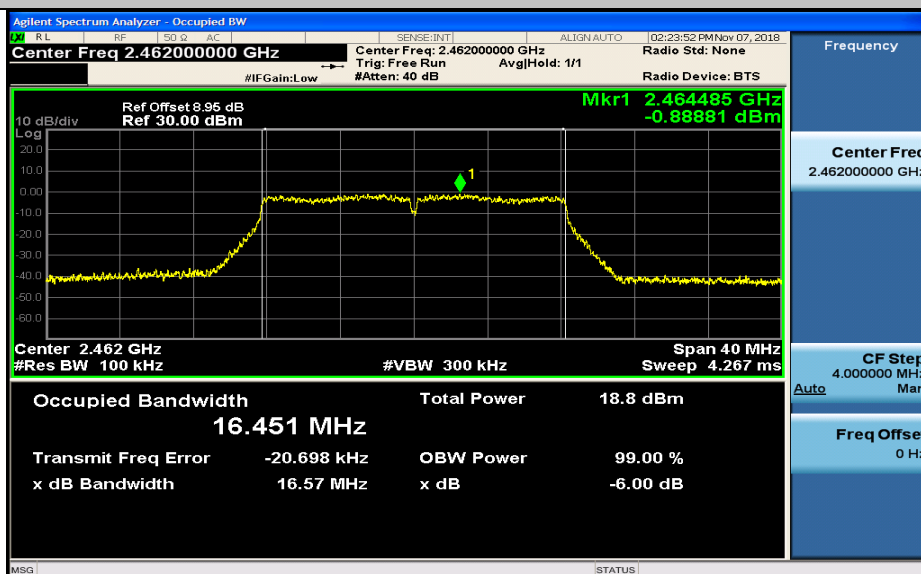
6dB Bandwidth_11G_2412_Ant1



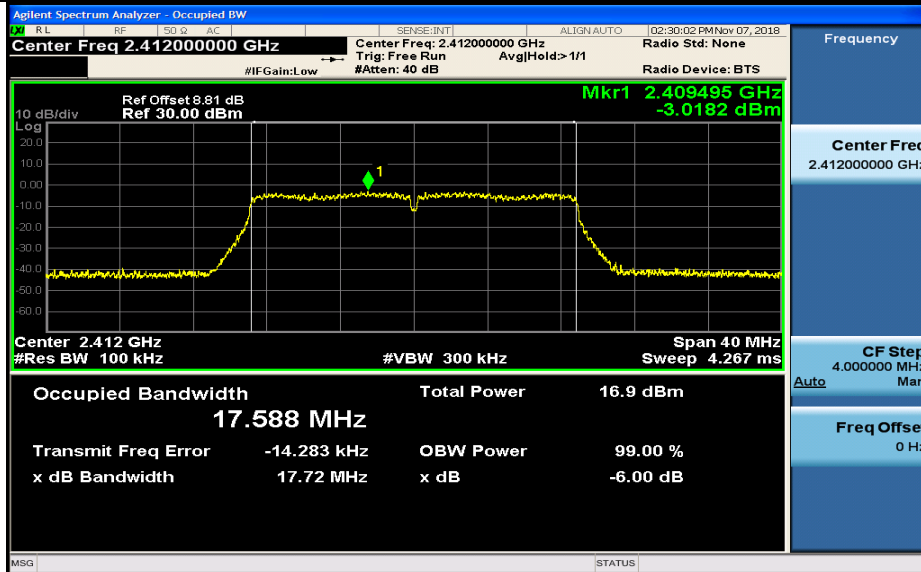
6dB Bandwidth_11G_2437_Ant1



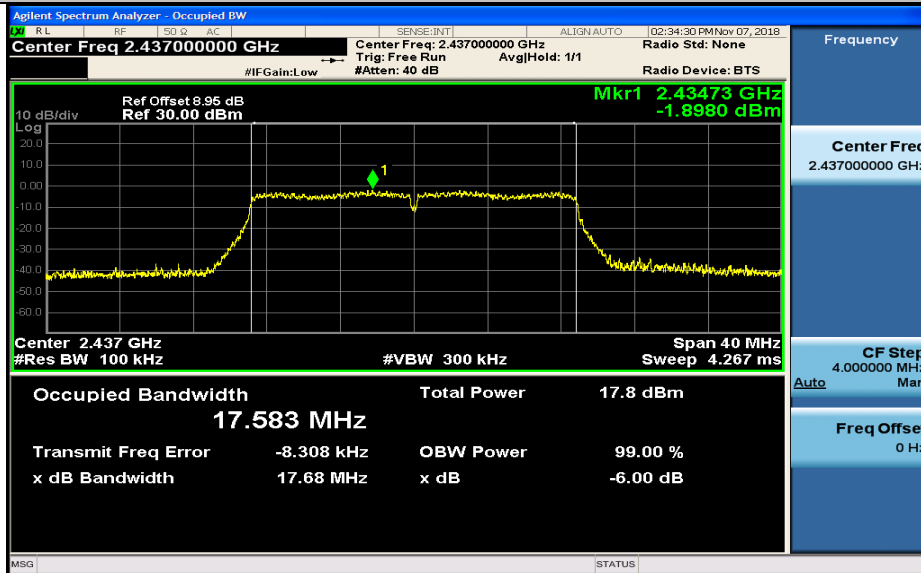
6dB Bandwidth_11G_2462_Ant1



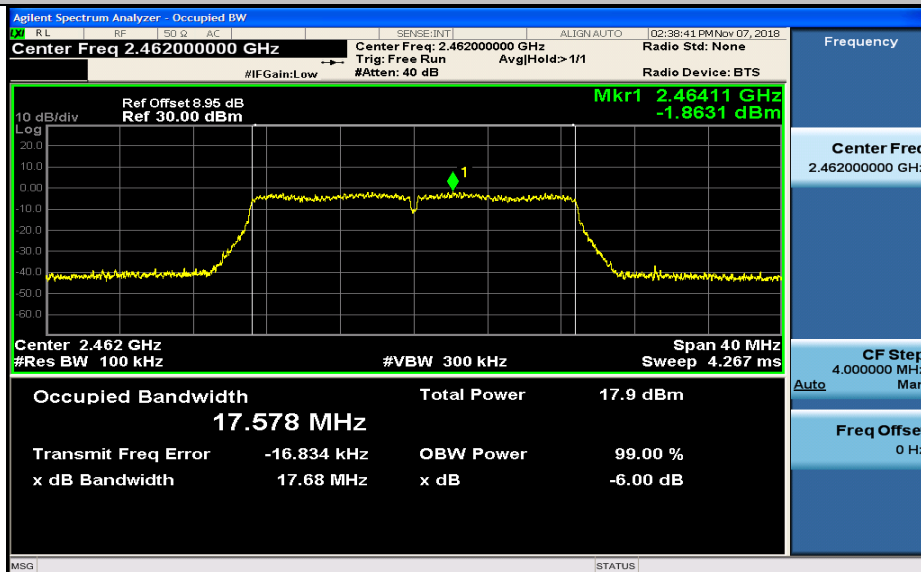
6dB Bandwidth_11N20SISO_2412_Ant1



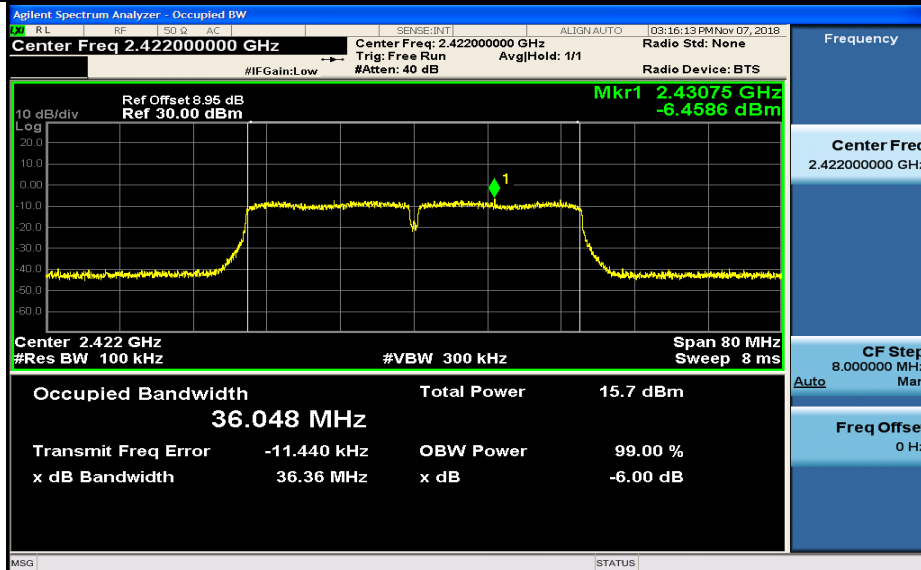
6dB Bandwidth_11N20SISO_2437_Ant1



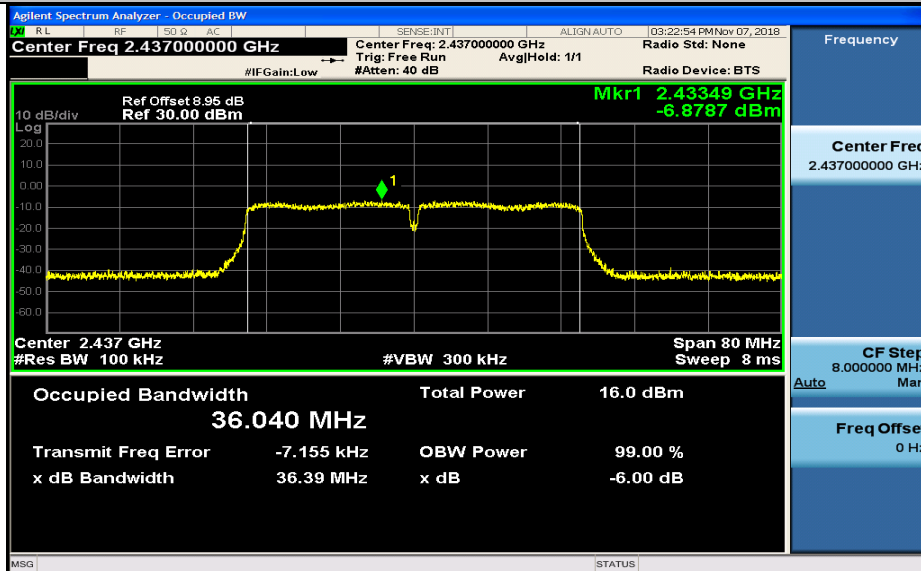
6dB Bandwidth_11N20SISO_2462_Ant1



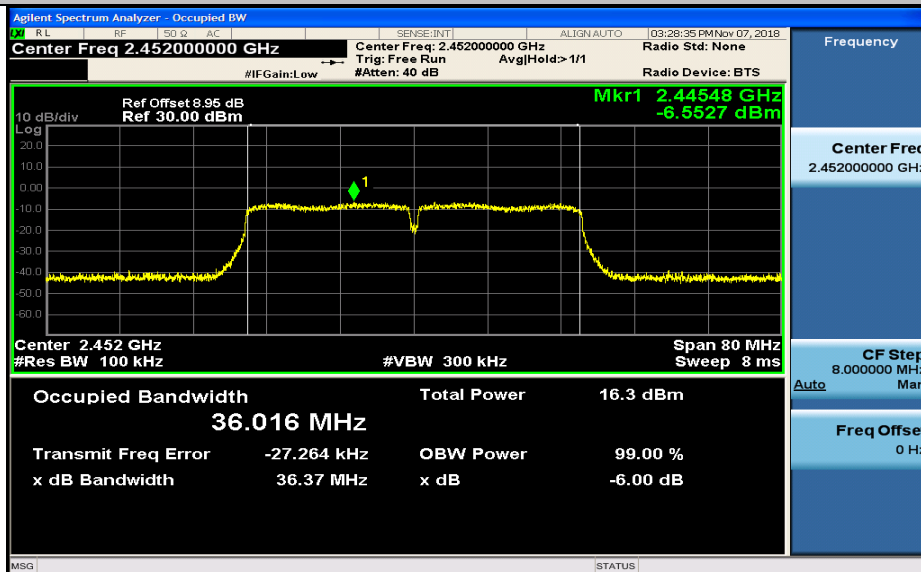
6dB Bandwidth_11N40SISO_2422_Ant1



6dB Bandwidth_11N40SISO_2437_Ant1



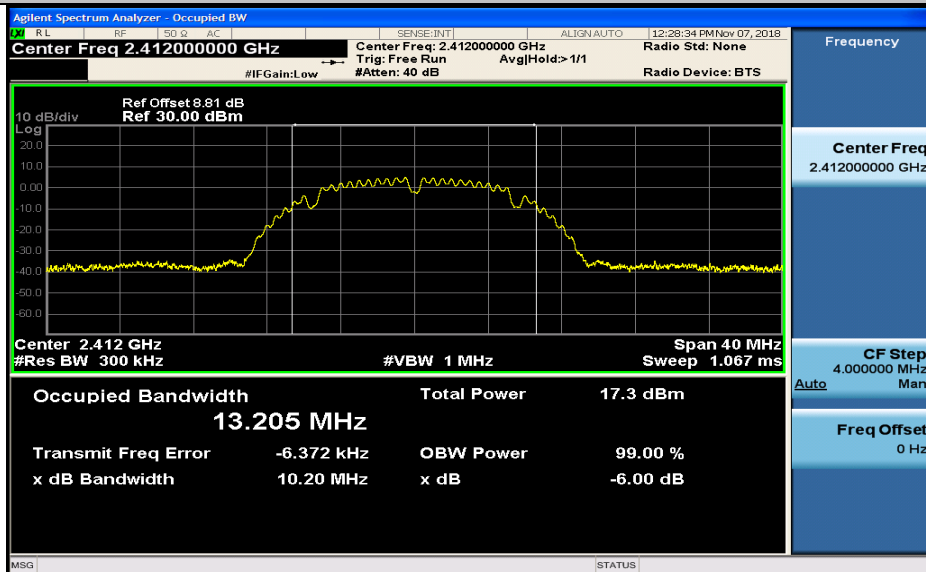
6dB Bandwidth_11N40SISO_2452_Ant1



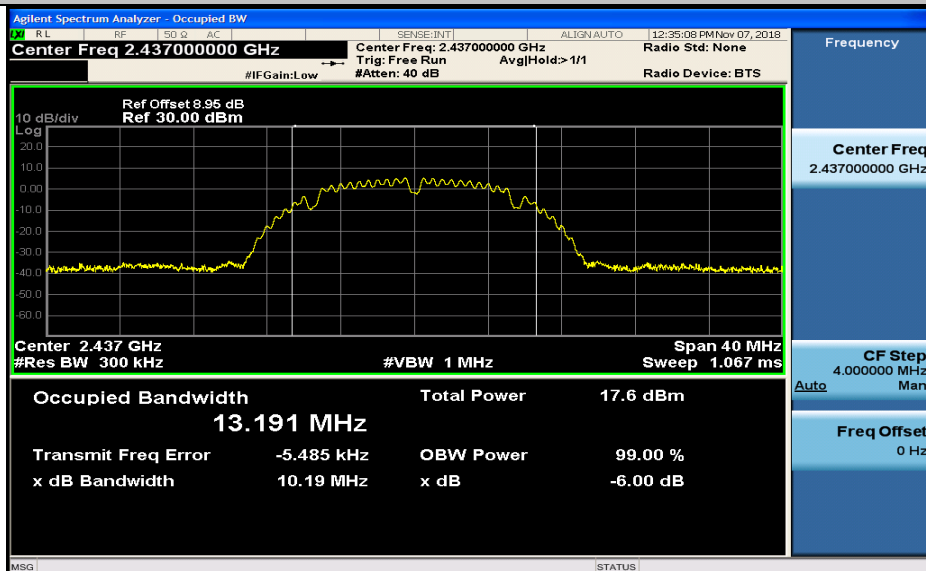
2.Occupied Bandwidth

| Test Mode | Test Channel | Ant | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|------|----------|------------|---------|
| 11B | 2412 | Ant1 | 13.21 | --- | PASS |
| 11B | 2437 | Ant1 | 13.19 | --- | PASS |
| 11B | 2462 | Ant1 | 13.20 | --- | PASS |
| 11G | 2412 | Ant1 | 16.70 | --- | PASS |
| 11G | 2437 | Ant1 | 16.67 | --- | PASS |
| 11G | 2462 | Ant1 | 16.70 | --- | PASS |
| 11N20SISO | 2412 | Ant1 | 17.68 | --- | PASS |
| 11N20SISO | 2437 | Ant1 | 17.68 | --- | PASS |
| 11N20SISO | 2462 | Ant1 | 17.68 | --- | PASS |
| 11N40SISO | 2422 | Ant1 | 36.35 | --- | PASS |
| 11N40SISO | 2437 | Ant1 | 36.29 | --- | PASS |
| 11N40SISO | 2452 | Ant1 | 36.28 | --- | PASS |

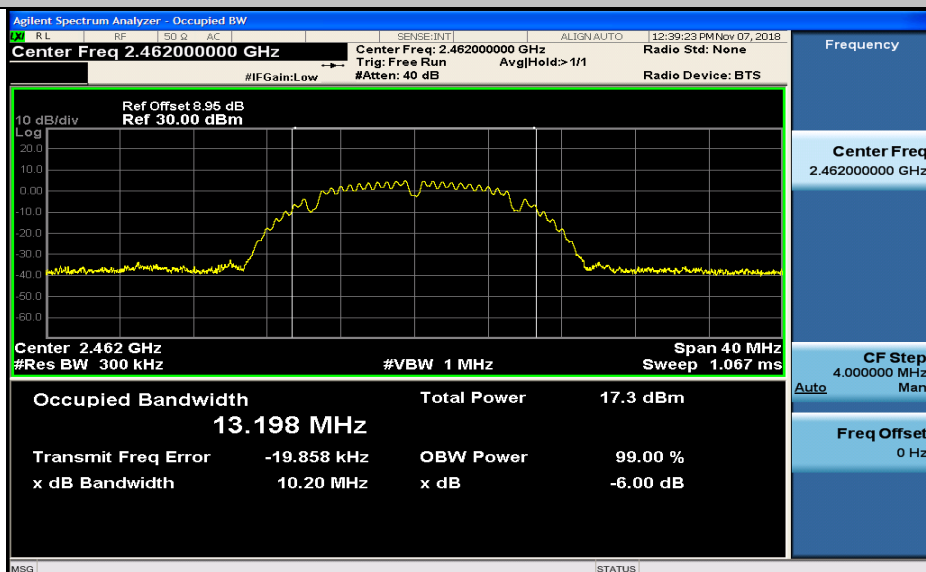
Occupied Bandwidth_11B_2412



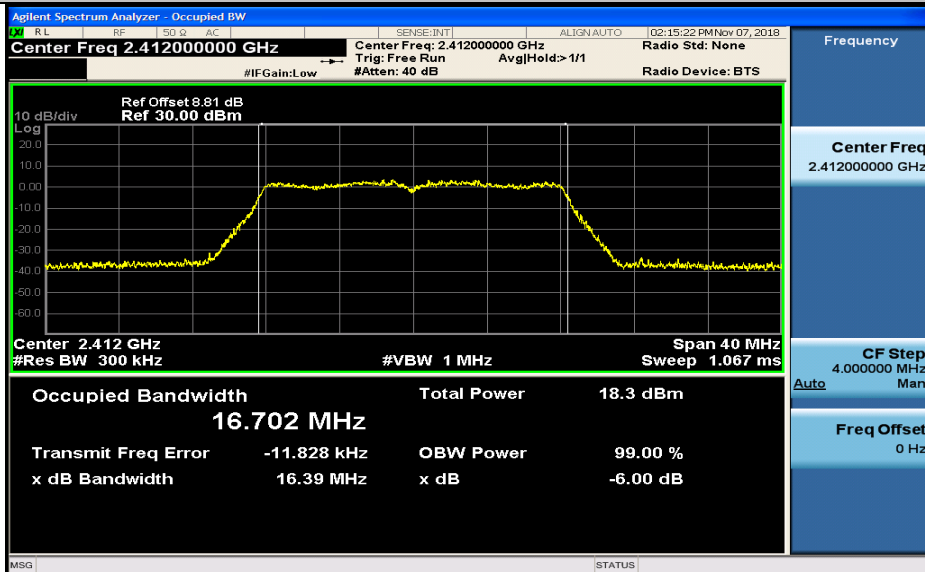
Occupied Bandwidth_11B_2437



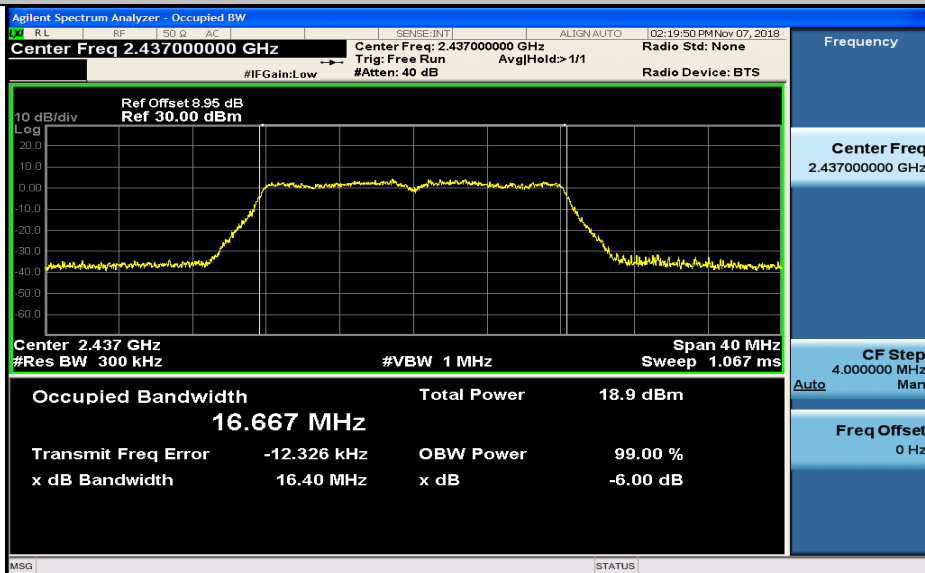
Occupied Bandwidth_11B_2462



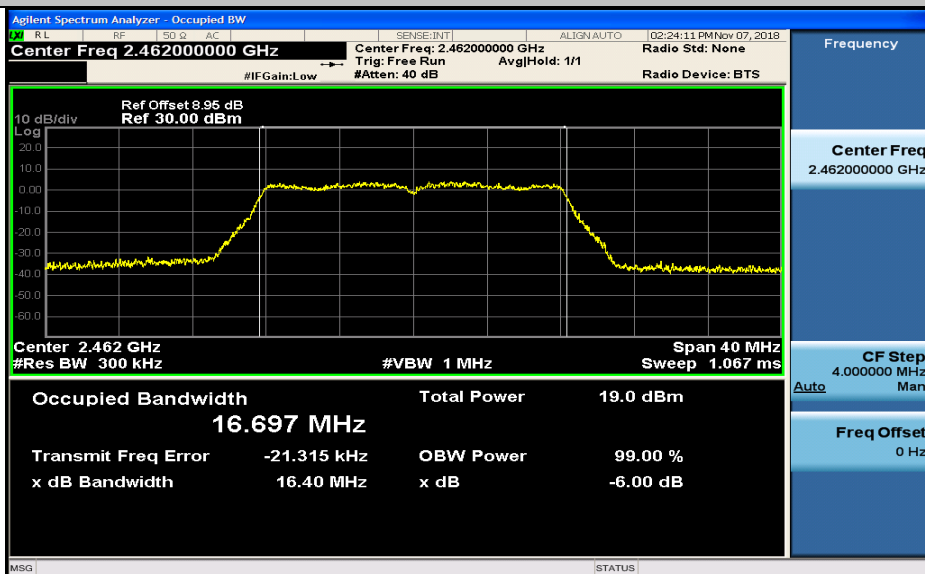
Occupied Bandwidth_11G_2412



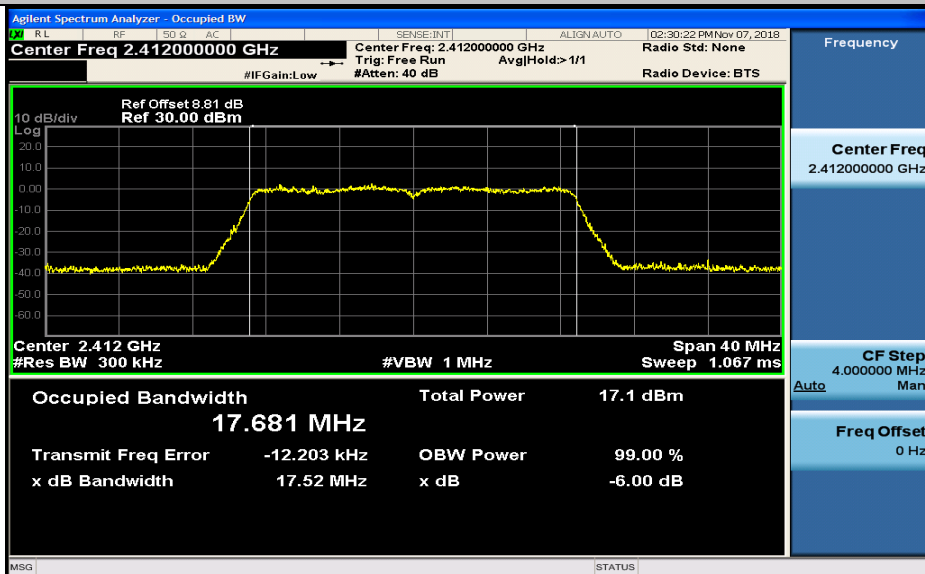
Occupied Bandwidth_11G_2437



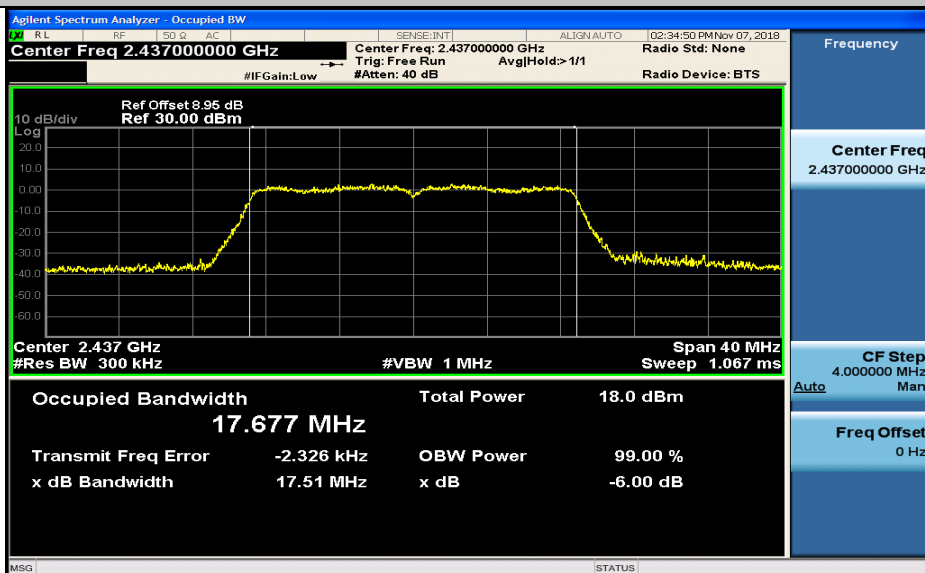
Occupied Bandwidth_11G_2462



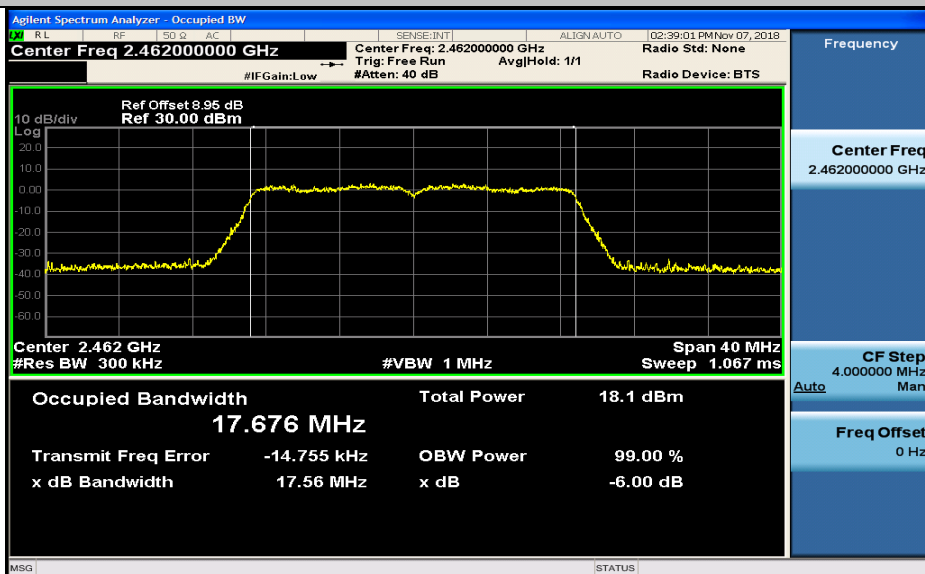
Occupied Bandwidth_11N20SISO_2412



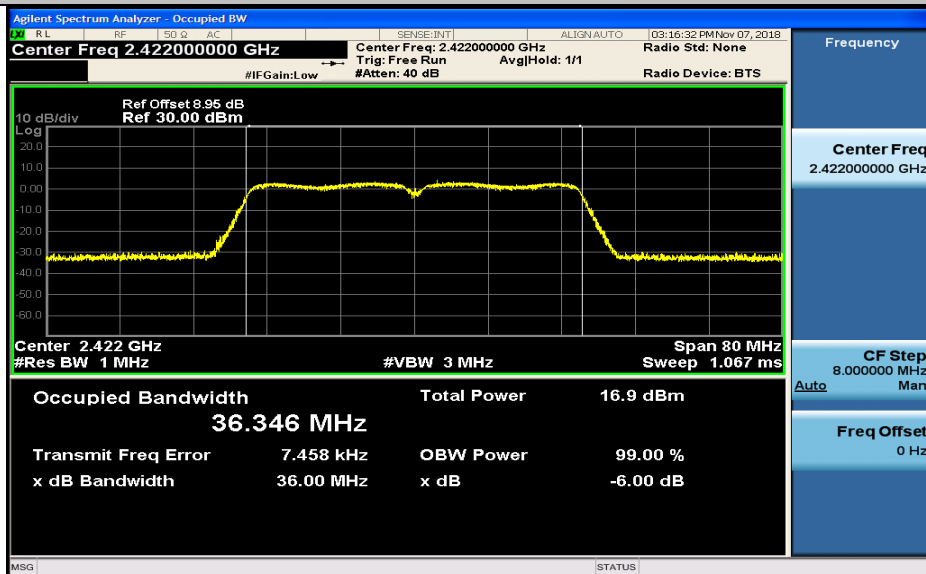
Occupied Bandwidth_11N20SISO_2437



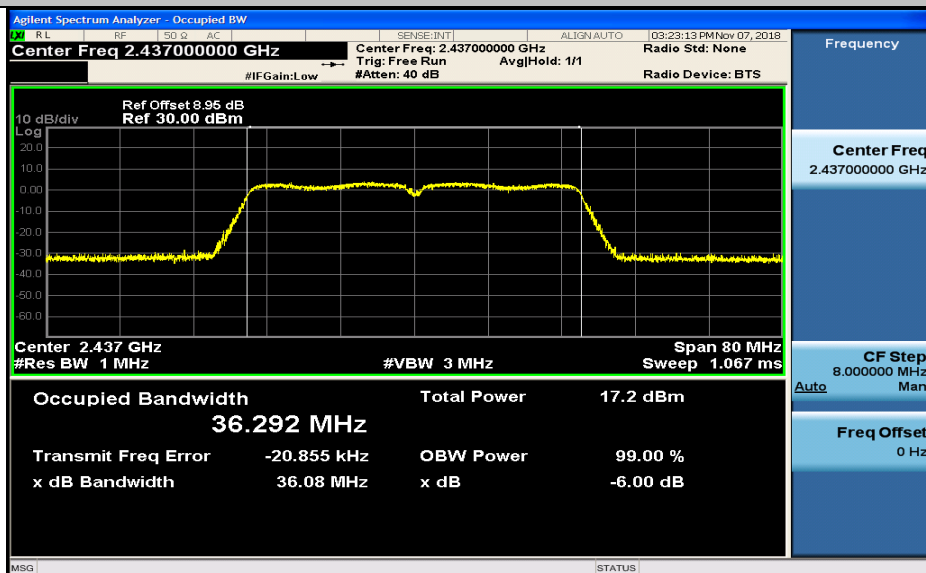
Occupied Bandwidth_11N20SISO_2462



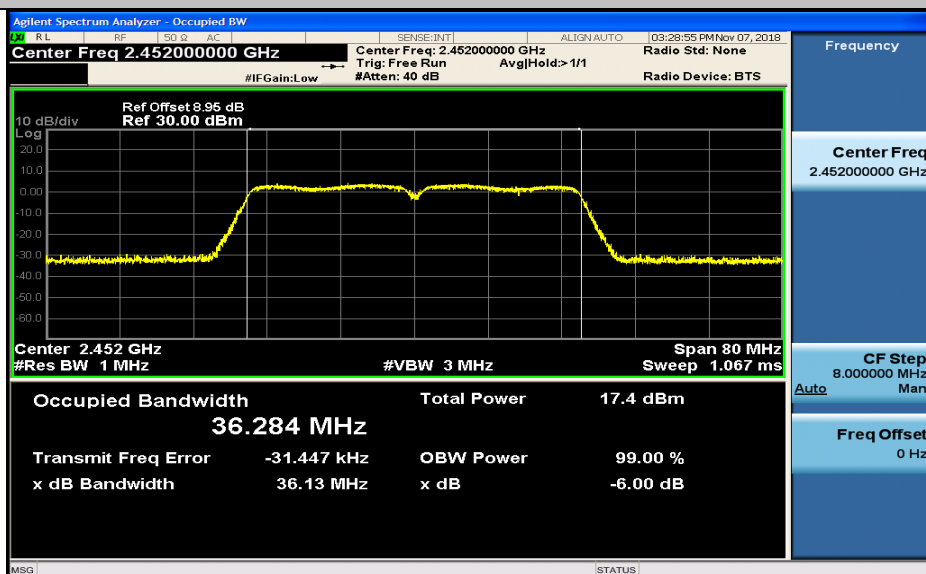
Occupied Bandwidth_11N40SISO_2422



Occupied Bandwidth_11N40SISO_2437



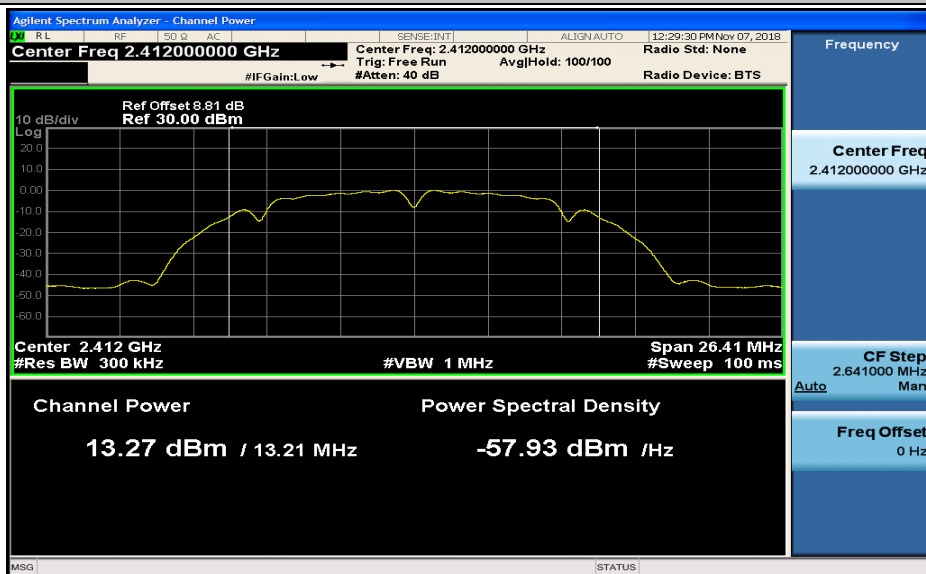
Occupied Bandwidth_11N40SISO_2452



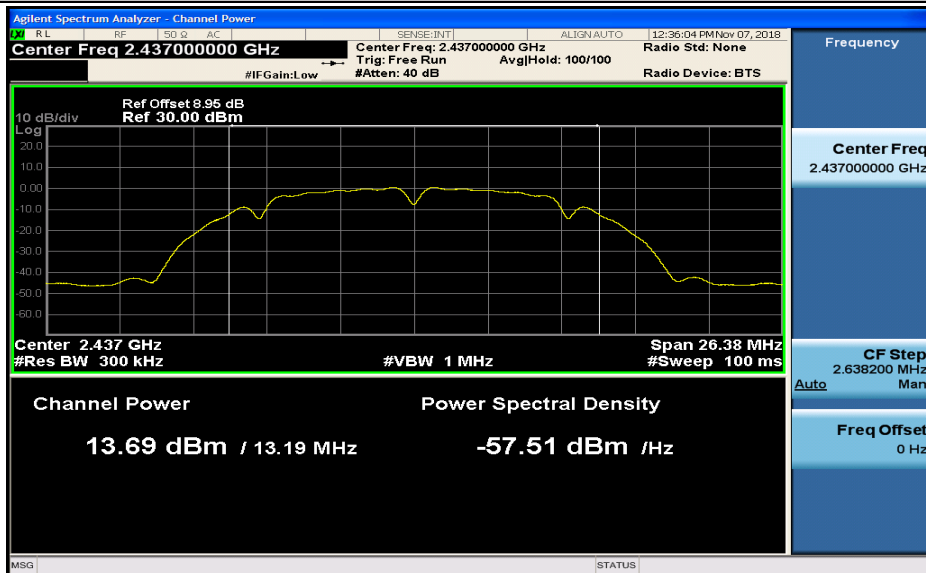
3. Maximum conducted (average) output power

| Test Mode | Test Channel | Ant | Level [dBm] | 10log(1/x) Factor[dB] | Power [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|-------------|-----------------------|-------------|-------------|---------|
| 11B | 2412 | Ant1 | 13.27 | 0.00 | 13.27 | 30 | PASS |
| 11B | 2437 | Ant1 | 13.69 | 0.00 | 13.69 | 30 | PASS |
| 11B | 2462 | Ant1 | 13.33 | 0.00 | 13.33 | 30 | PASS |
| 11G | 2412 | Ant1 | 11.56 | 0.00 | 11.56 | 30 | PASS |
| 11G | 2437 | Ant1 | 12.2 | 0.00 | 12.20 | 30 | PASS |
| 11G | 2462 | Ant1 | 12.35 | 0.00 | 12.35 | 30 | PASS |
| 11N20SISO | 2412 | Ant1 | 10.42 | 0.00 | 10.42 | 30 | PASS |
| 11N20SISO | 2437 | Ant1 | 11.32 | 0.00 | 11.32 | 30 | PASS |
| 11N20SISO | 2462 | Ant1 | 11.39 | 0.00 | 11.39 | 30 | PASS |
| 11N40SISO | 2422 | Ant1 | 9.32 | 0.00 | 9.32 | 30 | PASS |
| 11N40SISO | 2437 | Ant1 | 9.69 | 0.00 | 9.69 | 30 | PASS |
| 11N40SISO | 2452 | Ant1 | 9.72 | 0.00 | 9.72 | 30 | PASS |

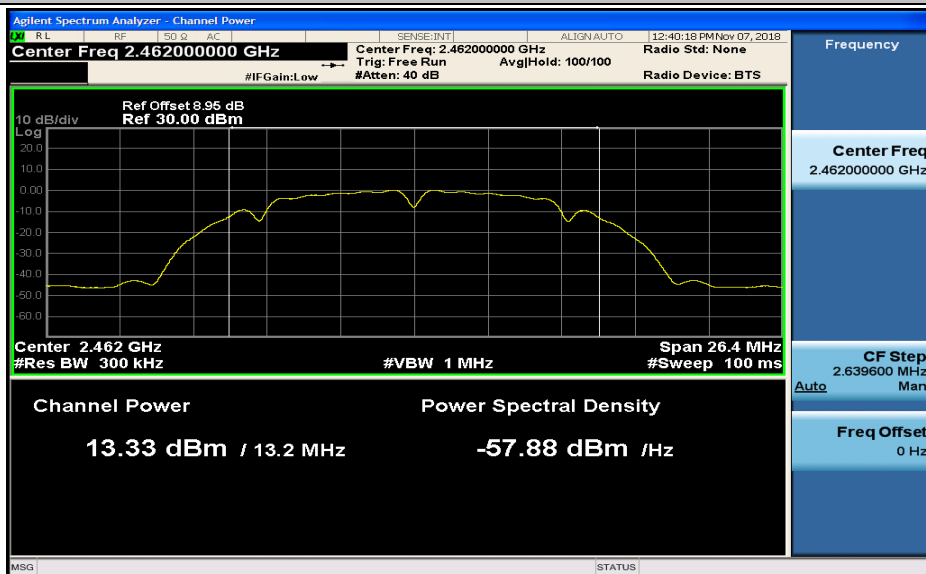
Maximum conducted (average) output power_11B_2412_Ant1



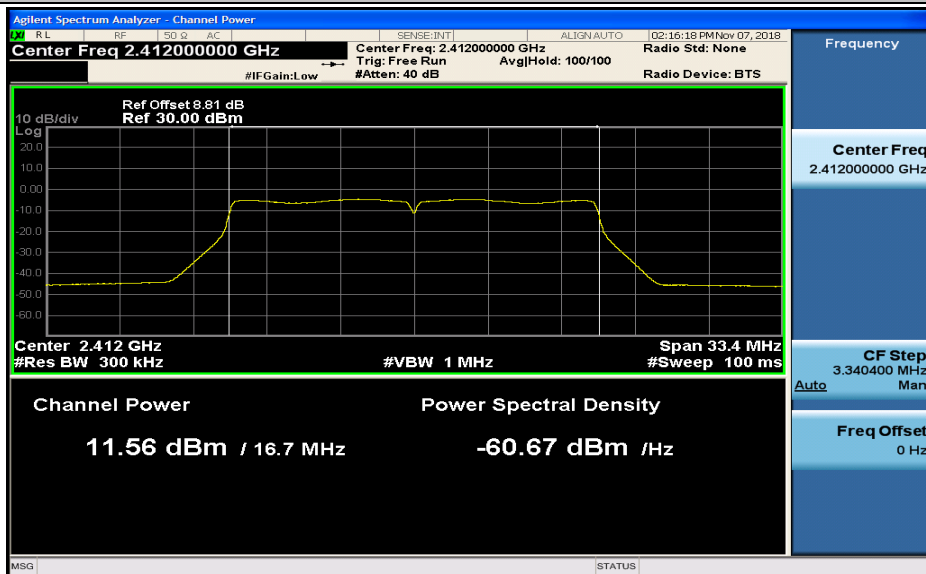
Maximum conducted (average) output power_11B_2437_Ant1



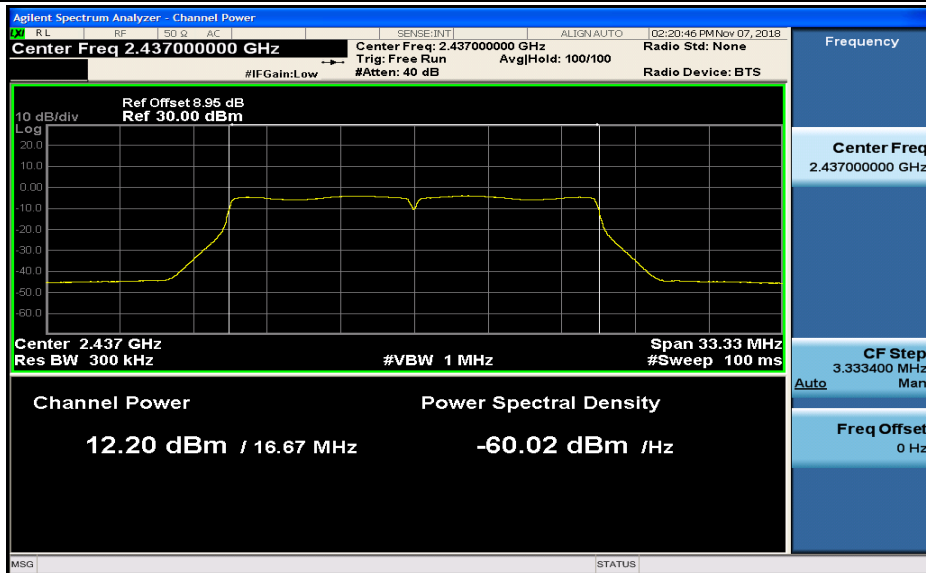
Maximum conducted (average) output power_11B_2462_Ant1



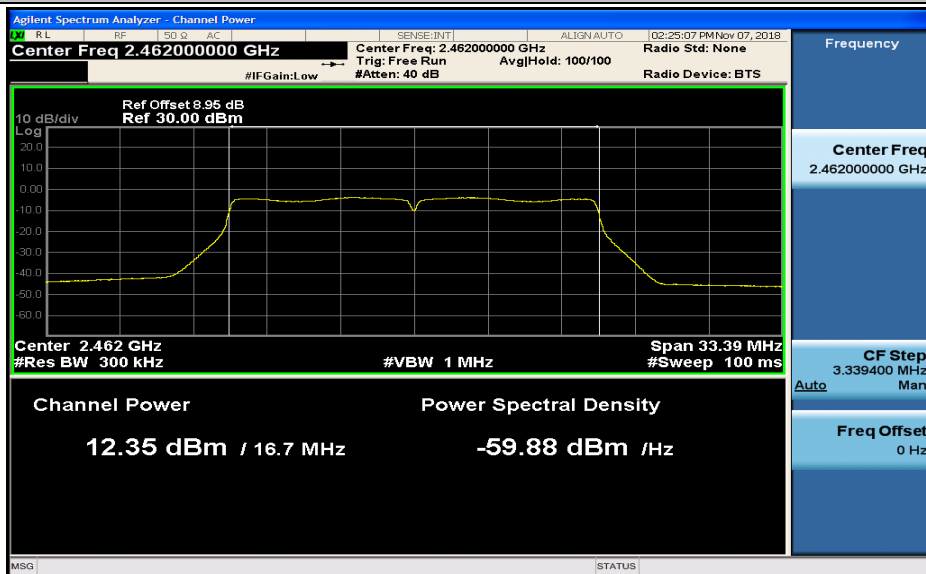
Maximum conducted (average) output power_11G_2412_Ant1



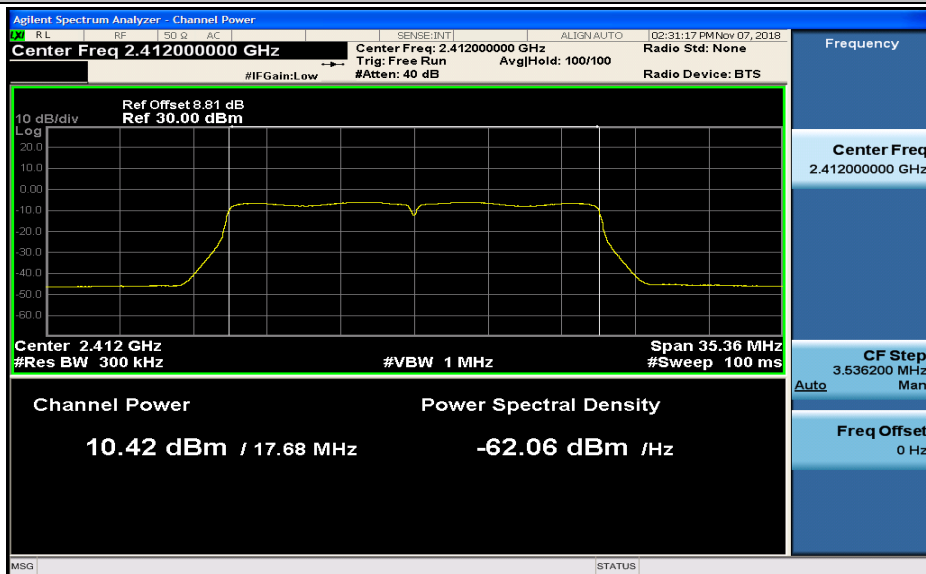
Maximum conducted (average) output power_11G_2437_Ant1



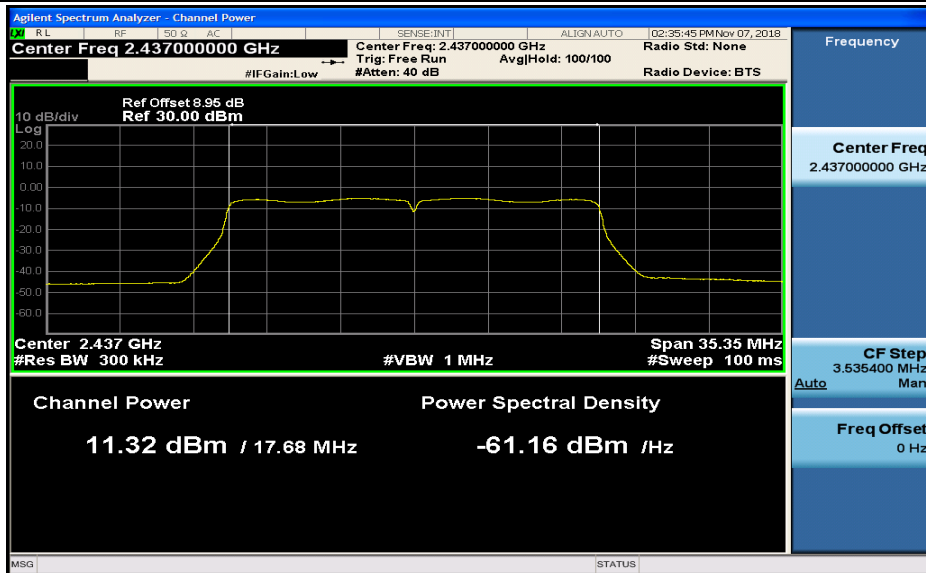
Maximum conducted (average) output power_11G_2462_Ant1



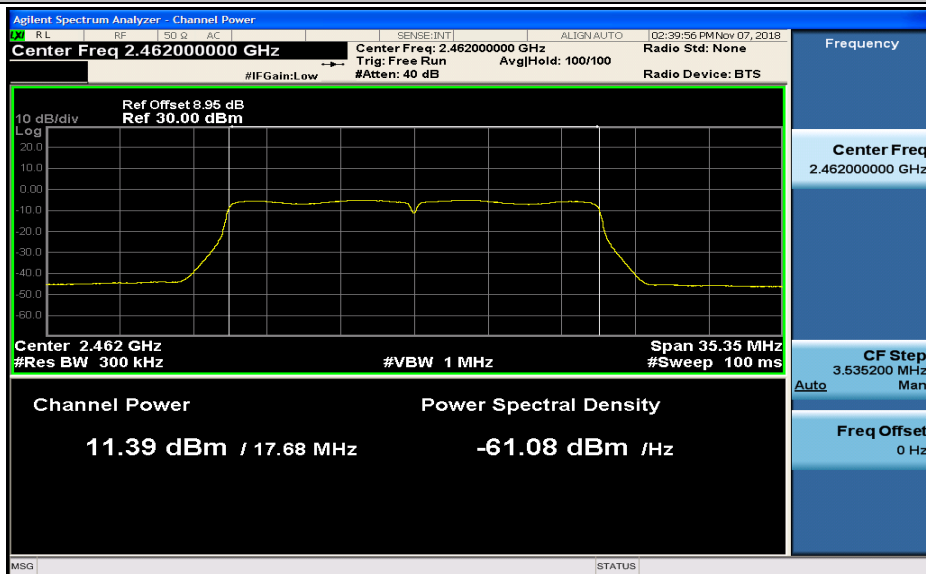
Maximum conducted (average) output power_11N20SISO_2412_Ant1



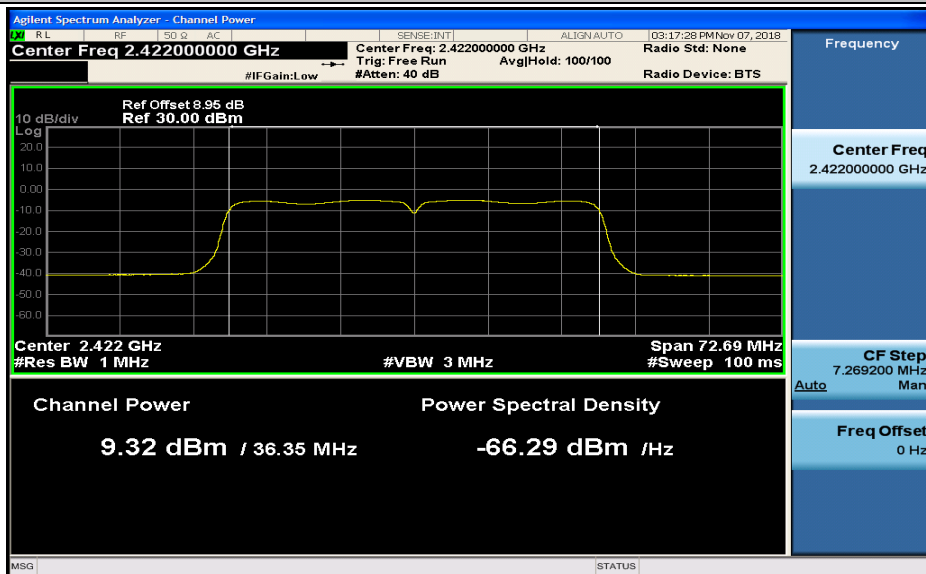
Maximum conducted (average) output power_11N20SISO_2437_Ant1



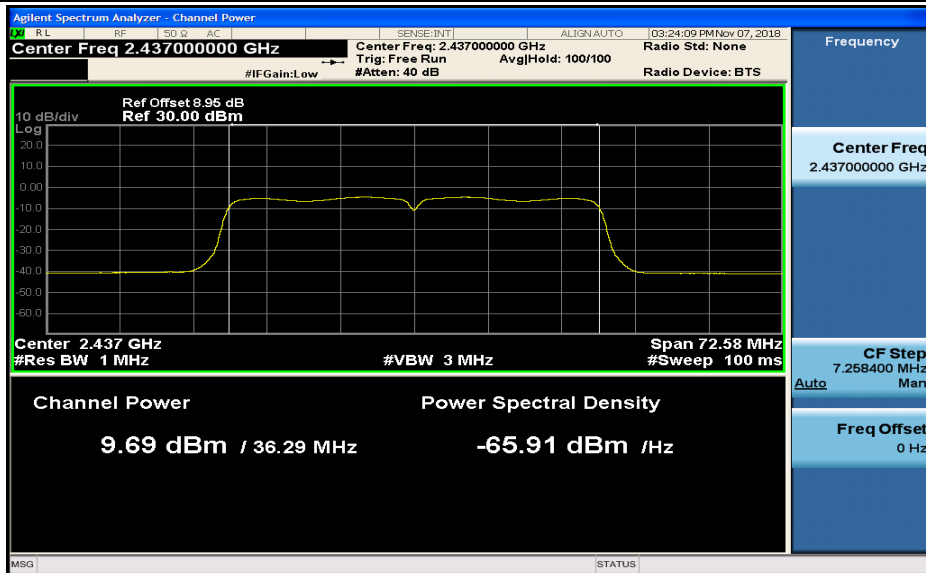
Maximum conducted (average) output power_11N20SISO_2462_Ant1



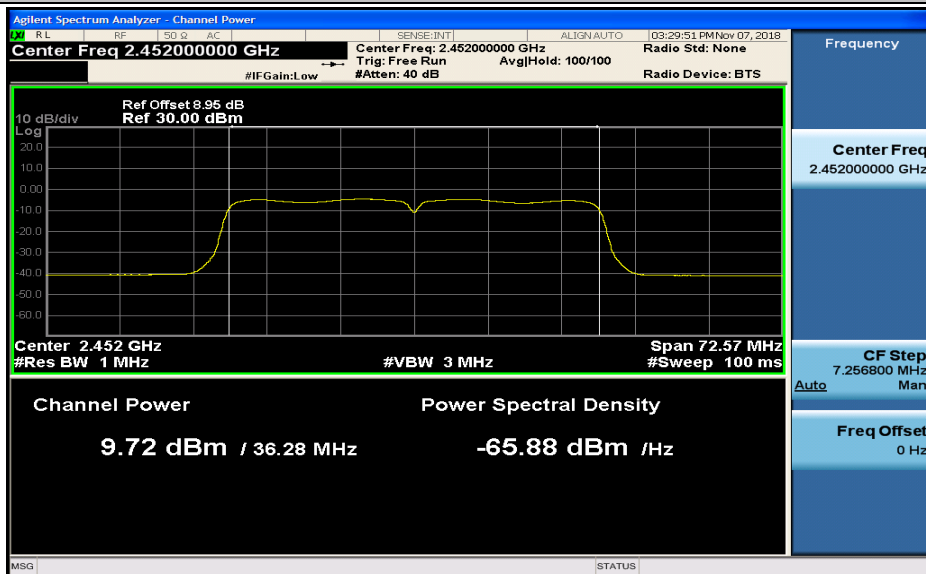
Maximum conducted (average) output power_11N40SISO_2422_Ant1



Maximum conducted (average) output power_11N40SISO_2437_Ant1



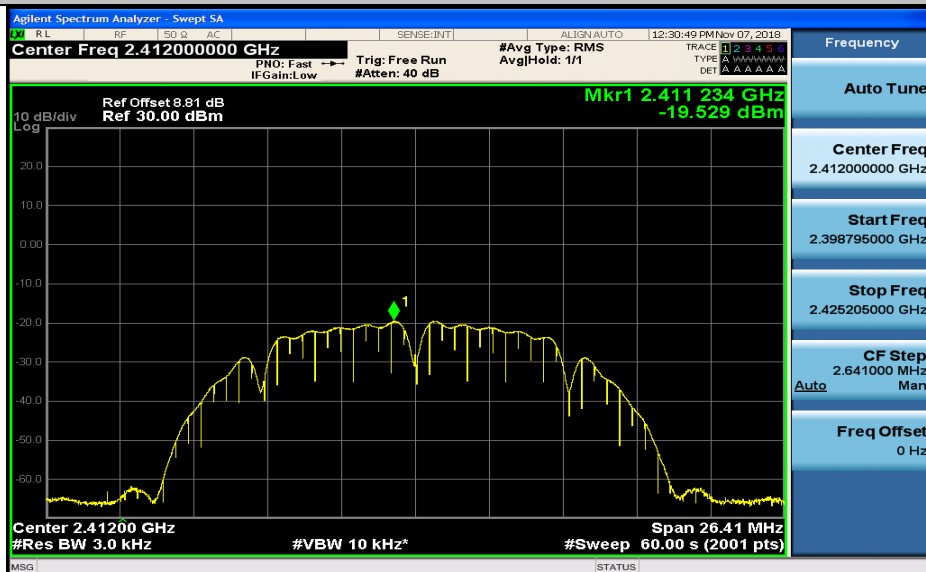
Maximum conducted (average) output power_11N40SISO_2452_Ant1



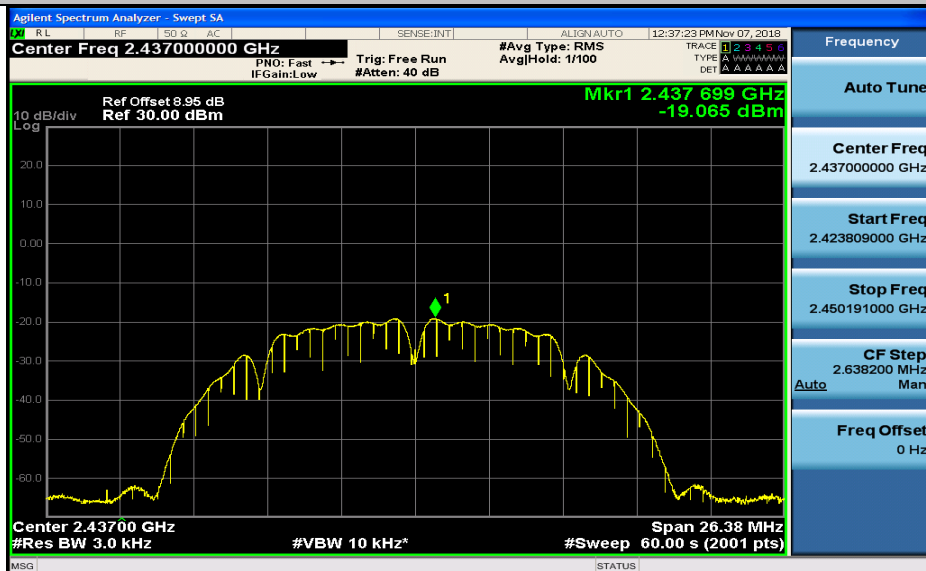
4.Maximum(average) power spectral density

| Test Mode | Test Channel | Ant | Level [dBm/3kHz] | 10log(1/x) Factor[dB] | PSD[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|--------------|------|------------------|-----------------------|---------------|-----------------|---------|
| 11B | 2412 | Ant1 | -19.53 | 0.00 | -19.53 | 8.00 | PASS |
| 11B | 2437 | Ant1 | -19.07 | 0.00 | -19.07 | 8.00 | PASS |
| 11B | 2462 | Ant1 | -19.44 | 0.00 | -19.44 | 8.00 | PASS |
| 11G | 2412 | Ant1 | -22.80 | 0.00 | -22.80 | 8.00 | PASS |
| 11G | 2437 | Ant1 | -22.24 | 0.00 | -22.24 | 8.00 | PASS |
| 11G | 2462 | Ant1 | -21.96 | 0.00 | -21.96 | 8.00 | PASS |
| 11N20SISO | 2412 | Ant1 | -23.95 | 0.00 | -23.95 | 8.00 | PASS |
| 11N20SISO | 2437 | Ant1 | -22.93 | 0.00 | -22.93 | 8.00 | PASS |
| 11N20SISO | 2462 | Ant1 | -22.84 | 0.00 | -22.84 | 8.00 | PASS |
| 11N40SISO | 2422 | Ant1 | -28.37 | 0.00 | -28.37 | 8.00 | PASS |
| 11N40SISO | 2437 | Ant1 | -28.13 | 0.00 | -28.13 | 8.00 | PASS |
| 11N40SISO | 2452 | Ant1 | -28.12 | 0.00 | -28.12 | 8.00 | PASS |

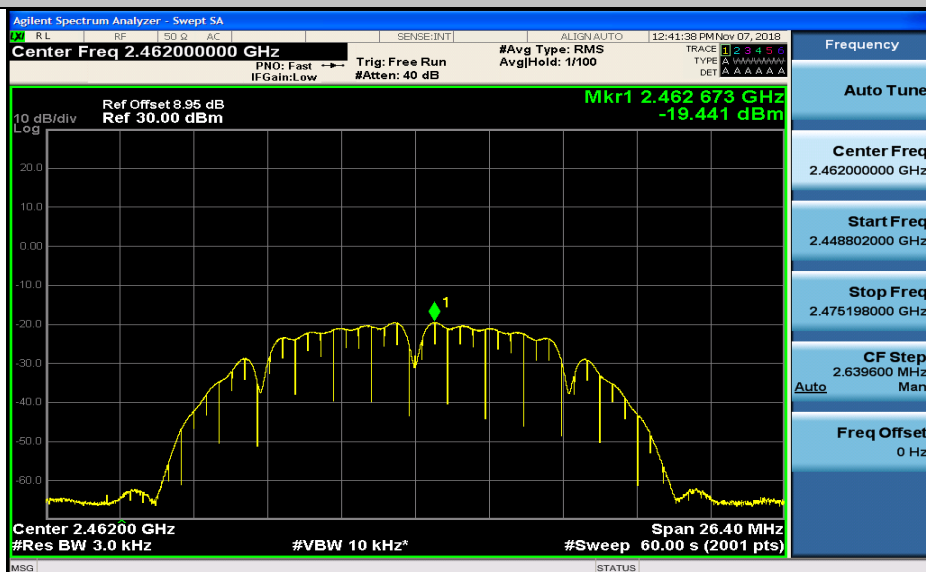
Maximum(average) power spectral density_11B_2412_Ant1



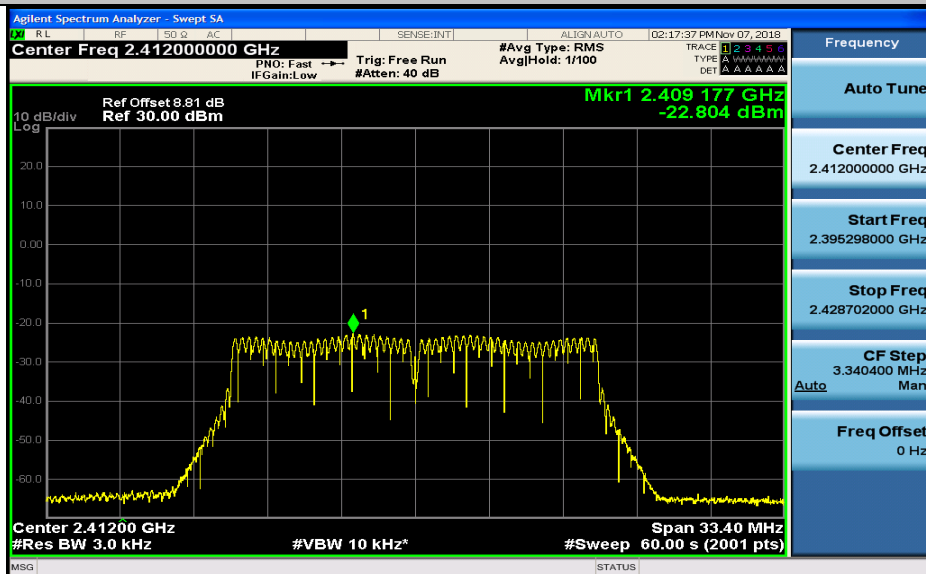
Maximum(average) power spectral density_11B_2437_Ant1



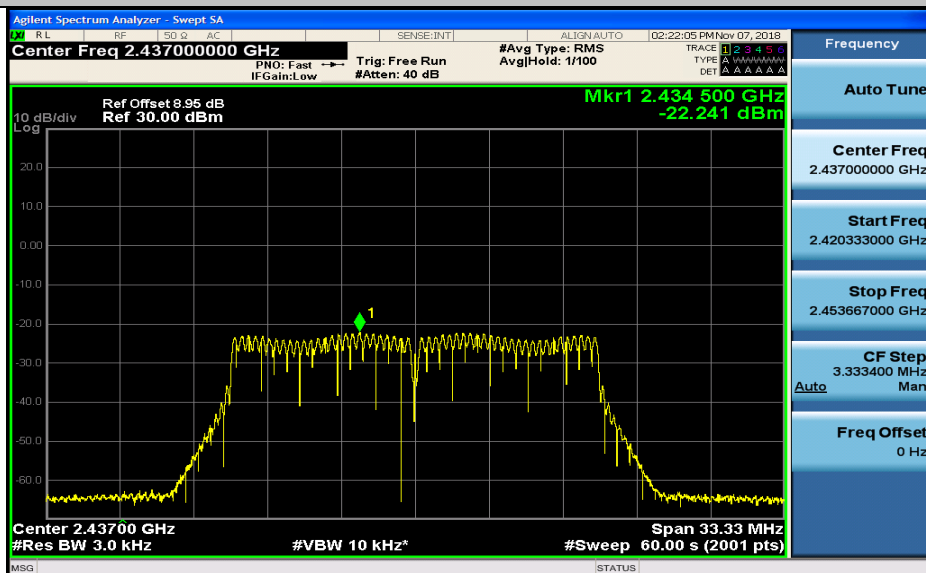
Maximum(average) power spectral density_11B_2462_Ant1



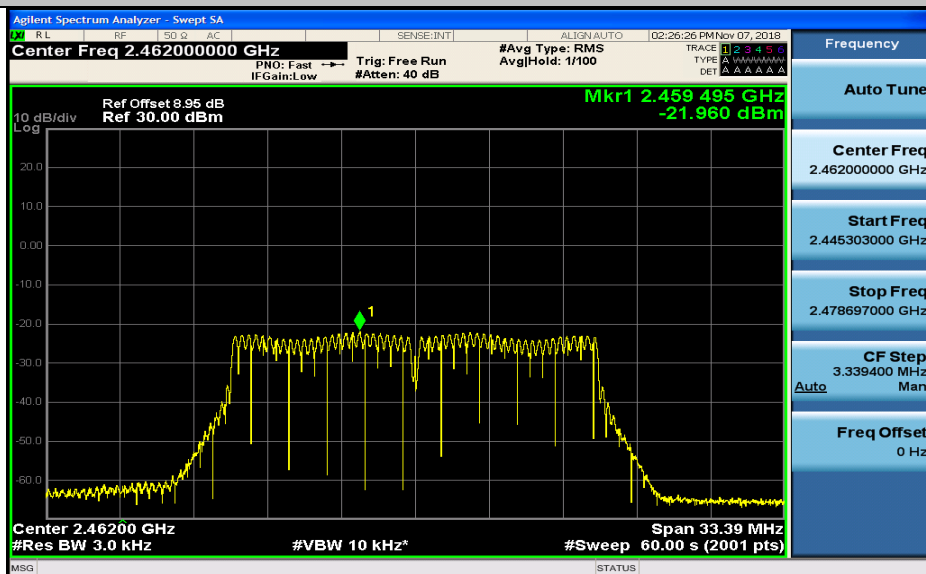
Maximum(average) power spectral density_11G_2412_Ant1



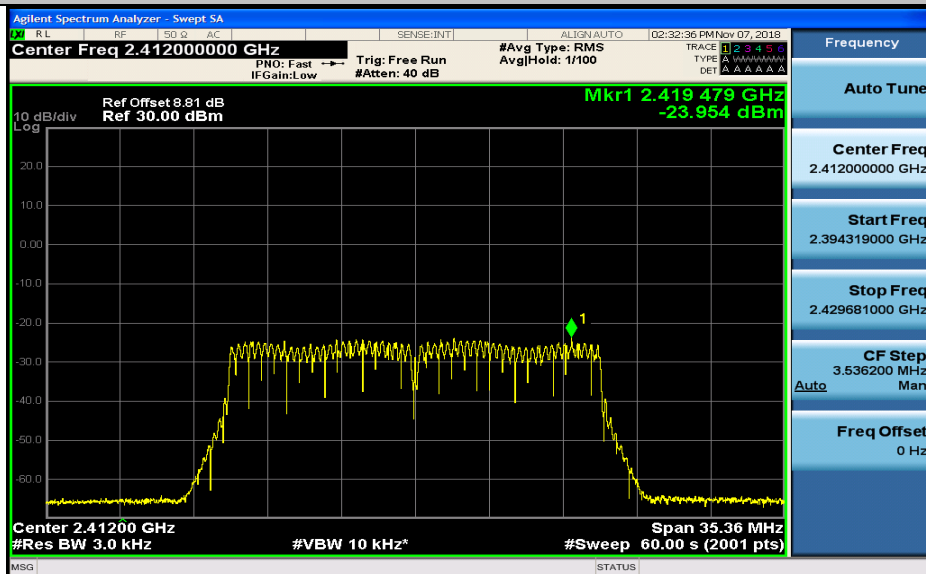
Maximum(average) power spectral density_11G_2437_Ant1



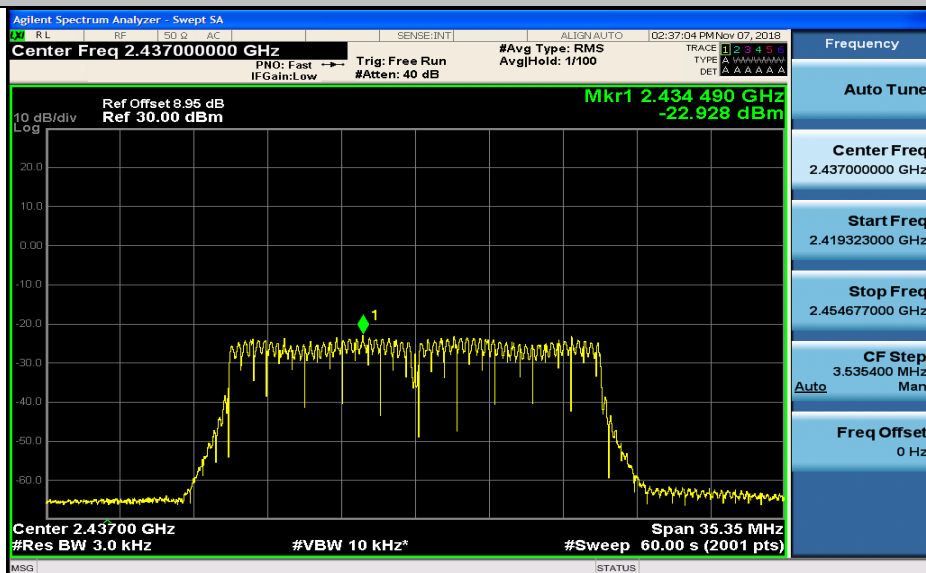
Maximum(average) power spectral density_11G_2462_Ant1



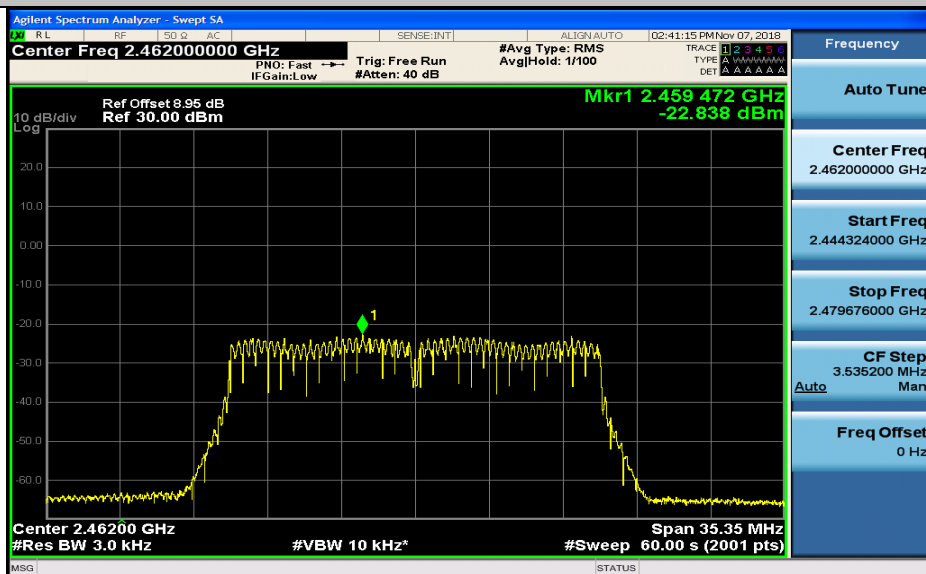
Maximum(average) power spectral density_11N20SISO_2412_Ant1



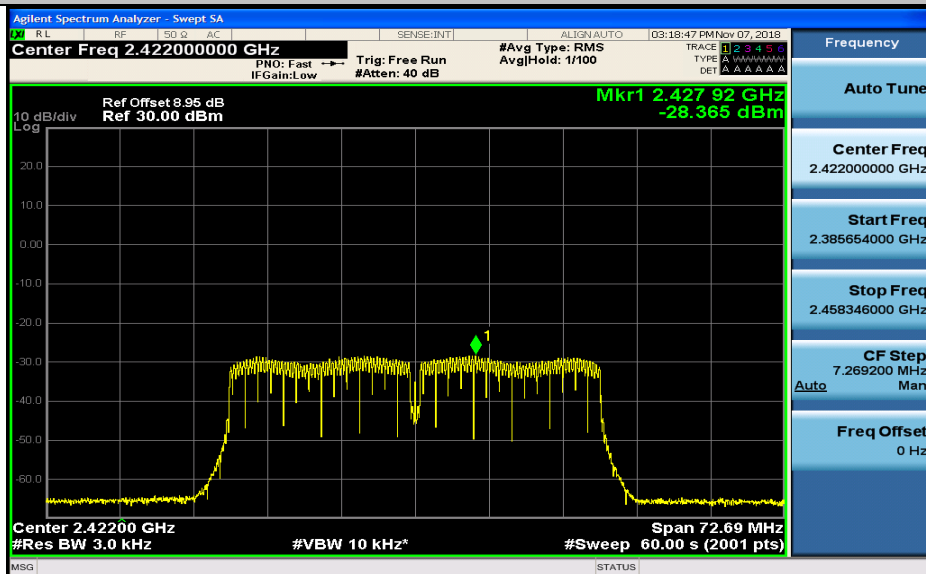
Maximum(average) power spectral density_11N20SISO_2437_Ant1



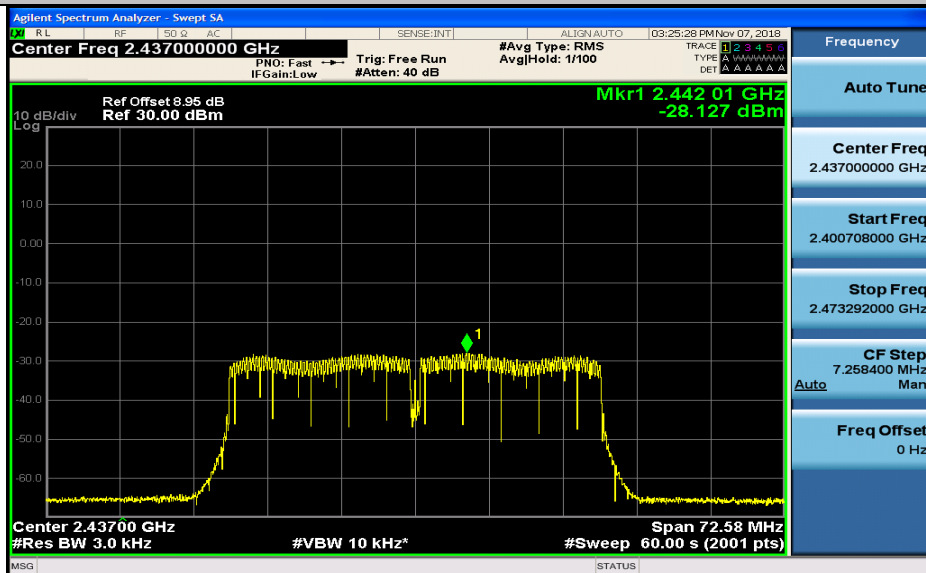
Maximum(average) power spectral density_11N20SISO_2462_Ant1



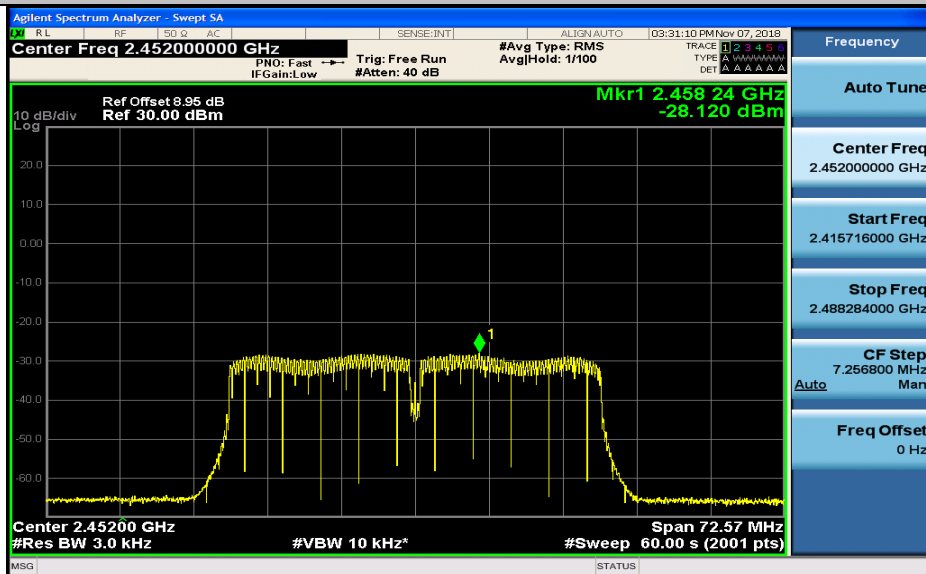
Maximum(average) power spectral density_11N40SISO_2422_Ant1



Maximum(average) power spectral density_11N40SISO_2437_Ant1



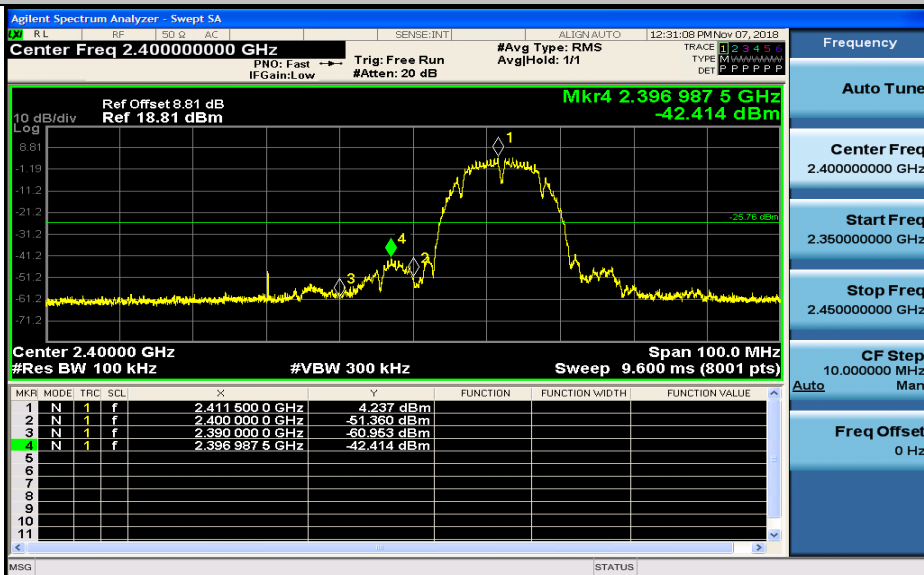
Maximum(average) power spectral density_11N40SISO_2452_Ant1



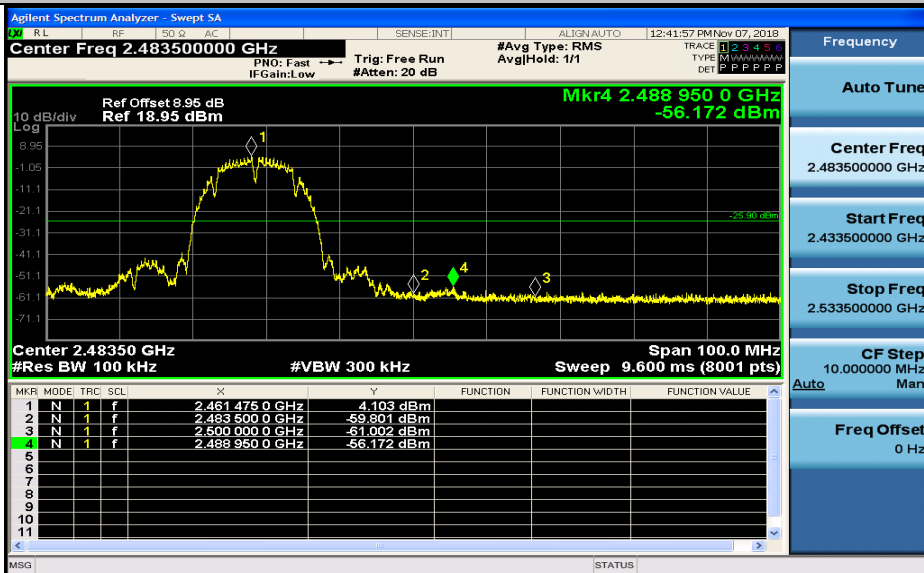
5.Band-edge for RF Conducted Emissions

| Test Mode | Test Channel | Ant | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|--------------------|---------------------------|-------------|---------|
| 11B | 2412 | Ant1 | 4.24 | -42.41 | -25.76 | PASS |
| 11B | 2462 | Ant1 | 4.10 | -56.17 | -25.90 | PASS |
| 11G | 2412 | Ant1 | -1.82 | -41.56 | -31.82 | PASS |
| 11G | 2462 | Ant1 | -1.09 | -48.88 | -31.09 | PASS |
| 11N20SISO | 2412 | Ant1 | -3.35 | -46.26 | -33.35 | PASS |
| 11N20SISO | 2462 | Ant1 | -2.53 | -47.82 | -32.53 | PASS |
| 11N40SISO | 2422 | Ant1 | -7.54 | -45.66 | -37.54 | PASS |
| 11N40SISO | 2452 | Ant1 | -6.99 | -50.05 | -36.99 | PASS |

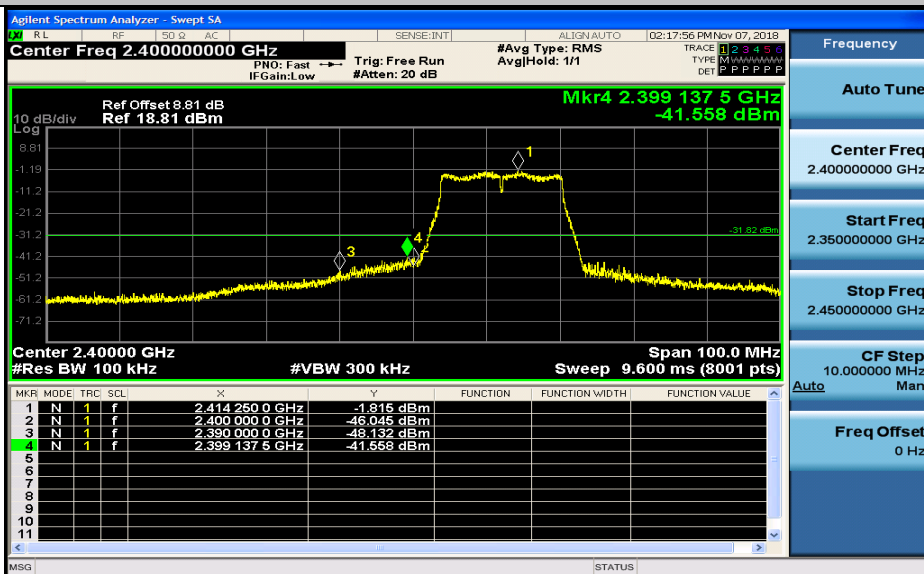
Band-edge for RF Conducted Emissions_11B_2412_Ant1



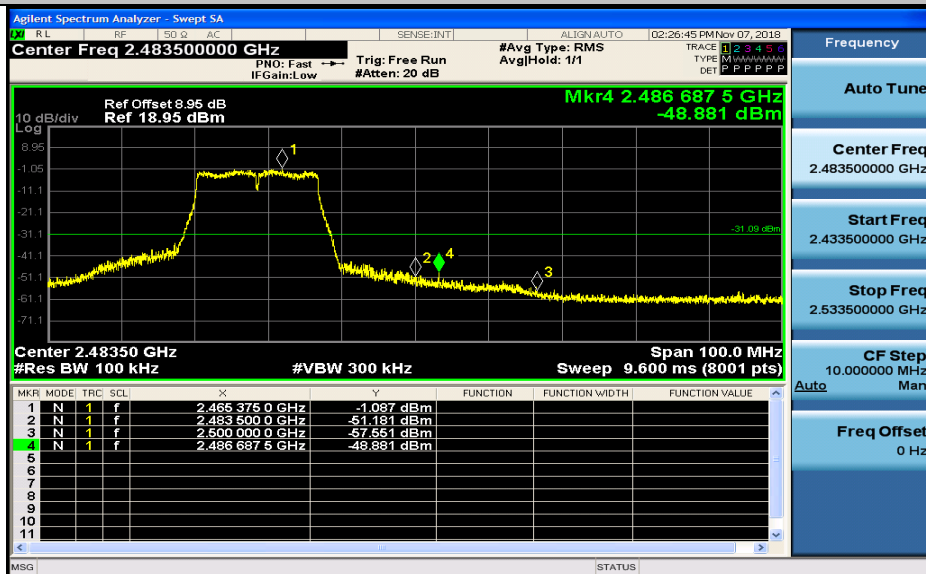
Band-edge for RF Conducted Emissions_11B_2462_Ant1



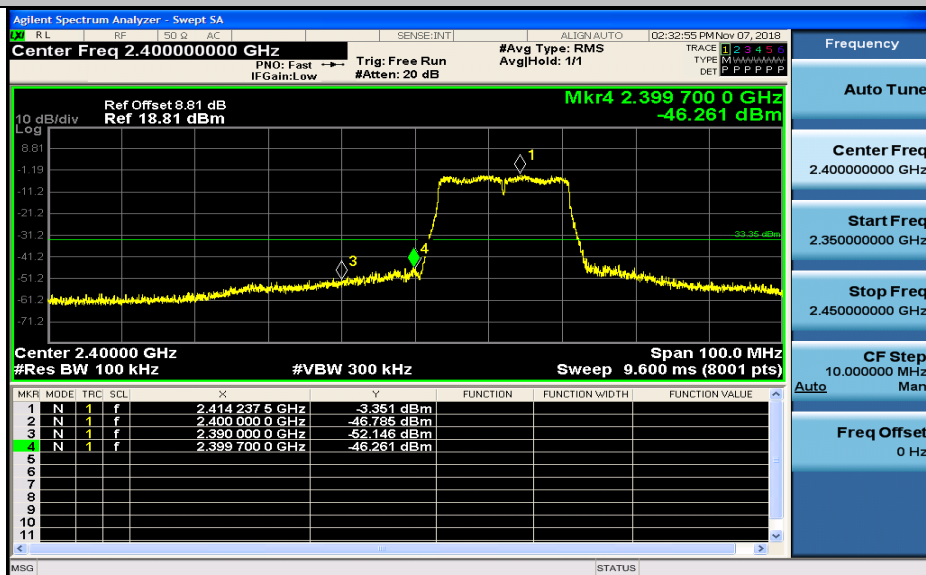
Band-edge for RF Conducted Emissions_11G_2412_Ant1



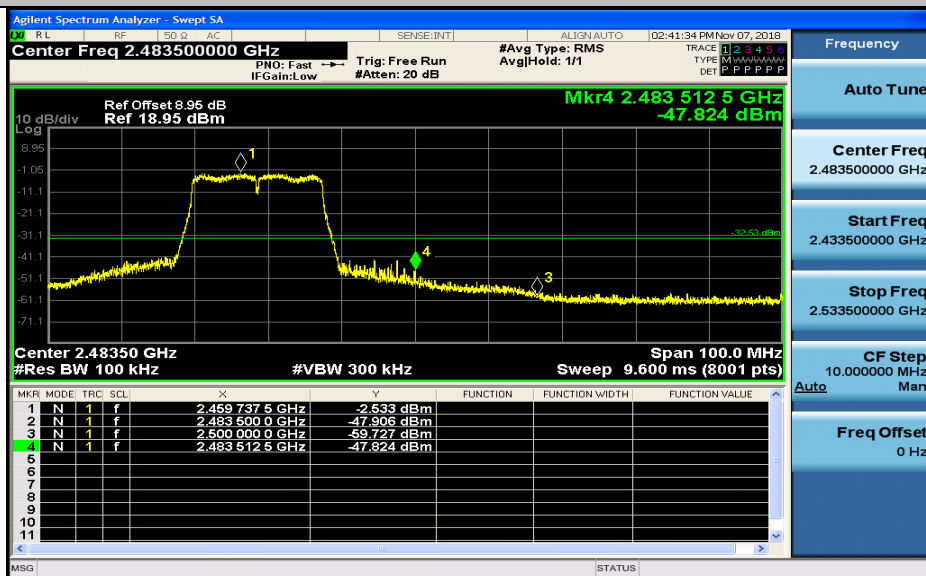
Band-edge for RF Conducted Emissions_11G_2462_Ant1



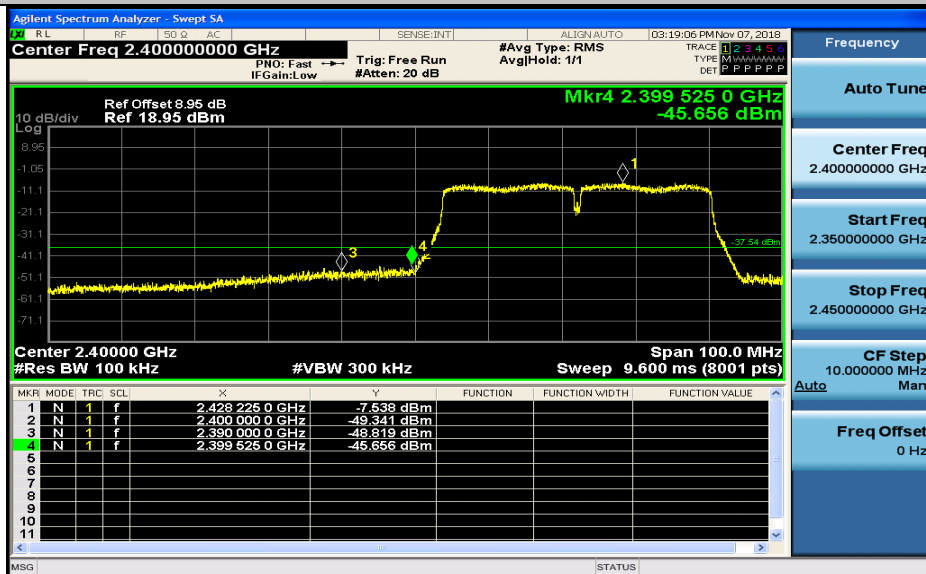
Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



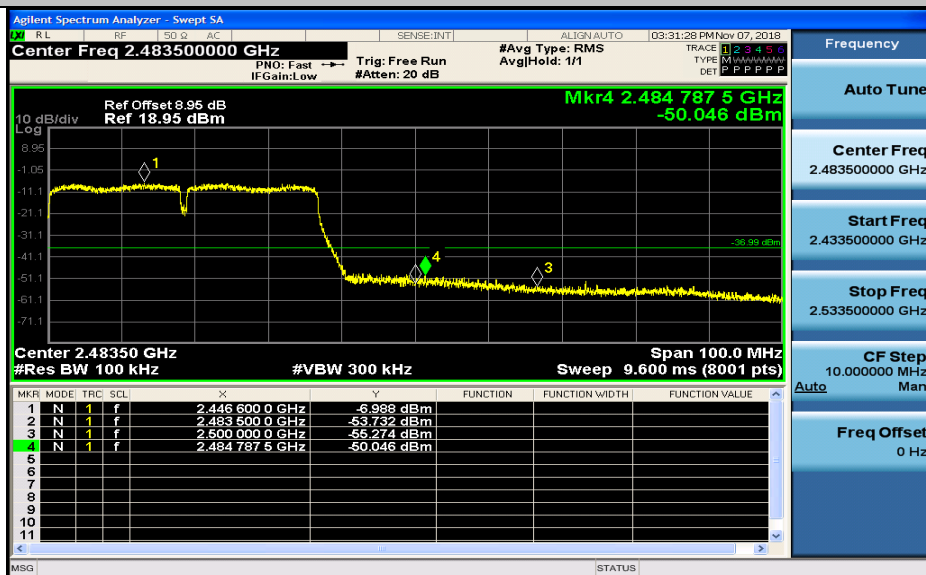
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2452_Ant1



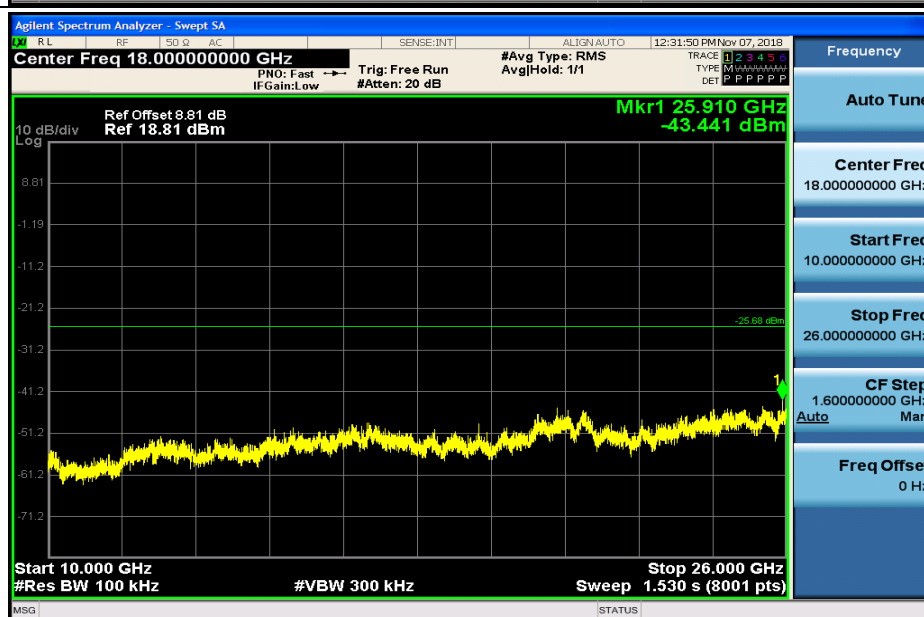
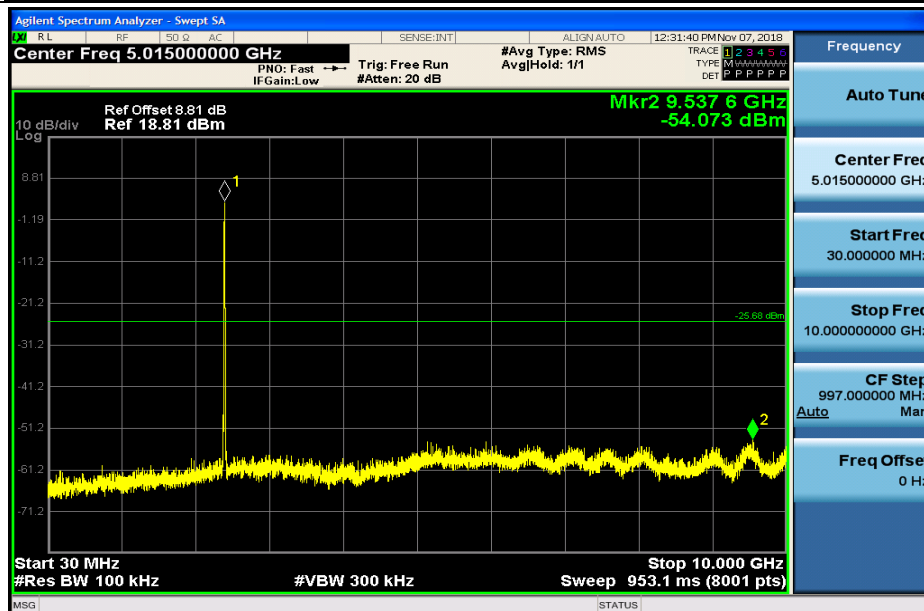
6.RF Conducted Spurious Emissions

| 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 | 4.32 | -54.07 | <- 25.68 | PASS |
| 11B | 2412 | Ant1 | 10000 | 26000 | 100 | 300 | 4.319 | -43.441 | <- 25.681 | PASS |
| 11B | 2437 | Ant1 | 30 | 10000 | 100 | 300 | 4.46 | -52.85 | <- 25.54 | PASS |
| 11B | 2437 | Ant1 | 10000 | 26000 | 100 | 300 | 4.464 | -43.522 | <- 25.536 | PASS |
| 11B | 2462 | Ant1 | 30 | 10000 | 100 | 300 | 4.17 | -53.19 | <- 25.83 | PASS |
| 11B | 2462 | Ant1 | 10000 | 26000 | 100 | 300 | 4.174 | -44.075 | <- 25.826 | PASS |
| 11G | 2412 | Ant1 | 30 | 10000 | 100 | 300 | -1.96 | -53.63 | <- 31.96 | PASS |
| 11G | 2412 | Ant1 | 10000 | 26000 | 100 | 300 | -1.964 | -44.414 | <- 31.964 | PASS |
| 11G | 2437 | Ant1 | 30 | 10000 | 100 | 300 | -0.81 | -53.84 | <- 30.81 | PASS |
| 11G | 2437 | Ant1 | 10000 | 26000 | 100 | 300 | -0.81 | -44.388 | <- 30.81 | PASS |
| 11G | 2462 | Ant1 | 30 | 10000 | 100 | 300 | -0.75 | -54.06 | <- 30.75 | PASS |
| 11G | 2462 | Ant1 | 10000 | 26000 | 100 | 300 | -0.754 | -44.480 | <- 30.754 | PASS |
| 11N20SISO | 2412 | Ant1 | 30 | 10000 | 100 | 300 | -2.96 | -54.26 | <- 32.96 | PASS |
| 11N20SISO | 2412 | Ant1 | 10000 | 26000 | 100 | 300 | -2.956 | -44.267 | <- 32.956 | PASS |
| 11N20SISO | 2437 | Ant1 | 30 | 10000 | 100 | 300 | -2.52 | -53.62 | <- 32.52 | PASS |
| 11N20SISO | 2437 | Ant1 | 10000 | 26000 | 100 | 300 | -2.519 | -43.957 | <- 32.519 | PASS |
| 11N20SISO | 2462 | Ant1 | 30 | 10000 | 100 | 300 | -1.74 | -53.69 | <- 31.74 | PASS |
| 11N20SISO | 2462 | Ant1 | 10000 | 26000 | 100 | 300 | -1.74 | -44.033 | <- 31.74 | PASS |
| 11N40SISO | 2422 | Ant1 | 30 | 10000 | 100 | 300 | -7.39 | -53.51 | <- 37.39 | PASS |
| 11N40SISO | 2422 | Ant1 | 10000 | 26000 | 100 | 300 | -7.388 | -43.799 | <- 37.388 | PASS |
| 11N40SISO | 2437 | Ant1 | 30 | 10000 | 100 | 300 | -6.48 | -54.26 | <- 36.48 | PASS |
| 11N40SISO | 2437 | Ant1 | 10000 | 26000 | 100 | 300 | -6.475 | -44.072 | <- 36.475 | PASS |
| 11N40SISO | 2452 | Ant1 | 30 | 10000 | 100 | 300 | -6.79 | -54.07 | <- 36.79 | PASS |

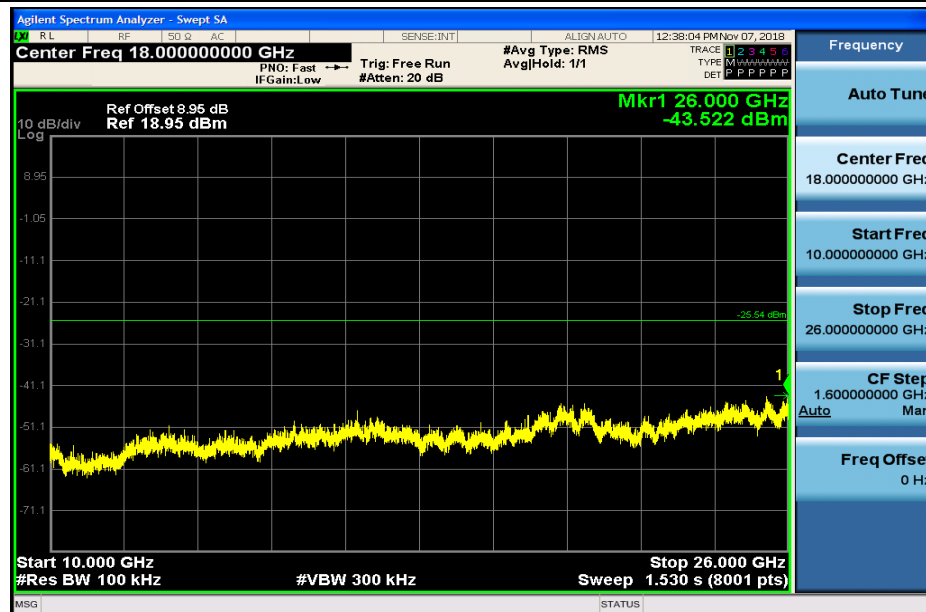
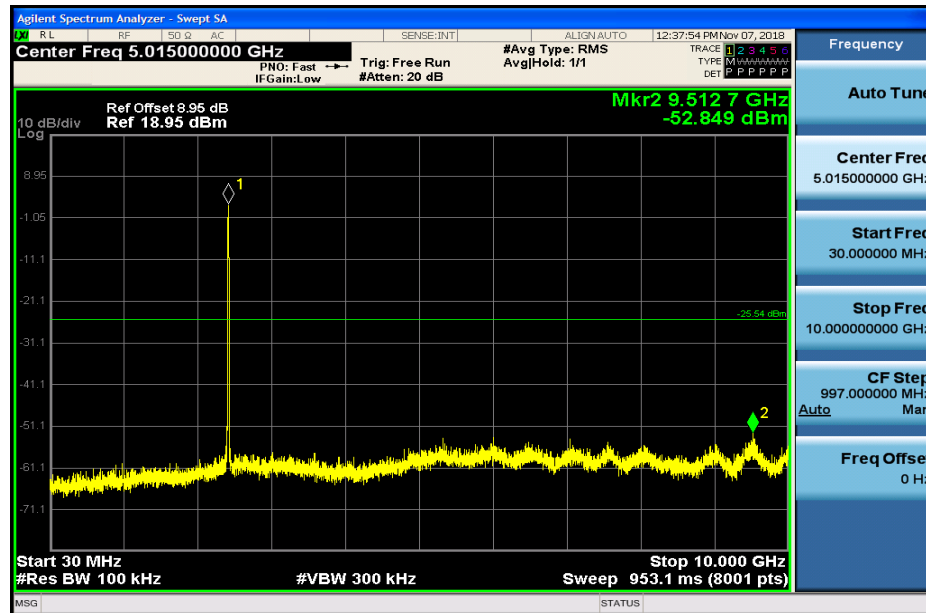


| | | | | | | | | | | |
|-----------|------|------|-------|-------|-----|-----|--------|---------|-------------|------|
| 11N40SISO | 2452 | Ant1 | 10000 | 26000 | 100 | 300 | -6.793 | -43.774 | < 36.793 | PASS |
|-----------|------|------|-------|-------|-----|-----|--------|---------|-------------|------|

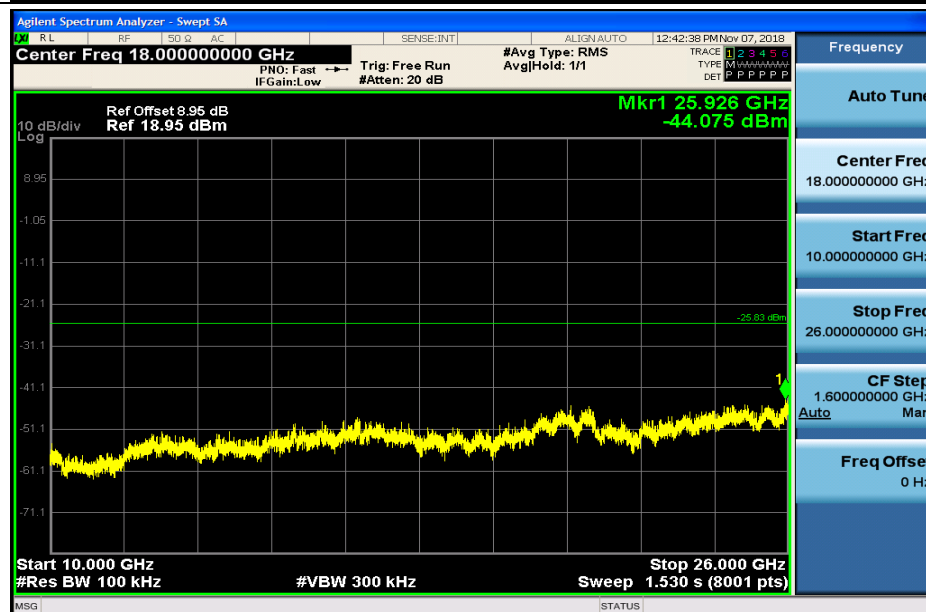
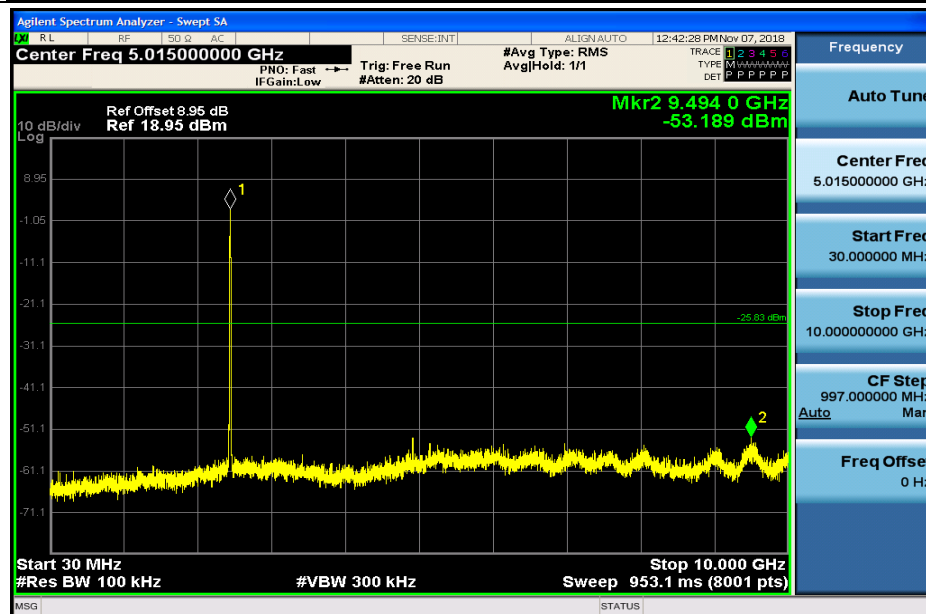
RF Conducted Spurious Emissions_11B_2412



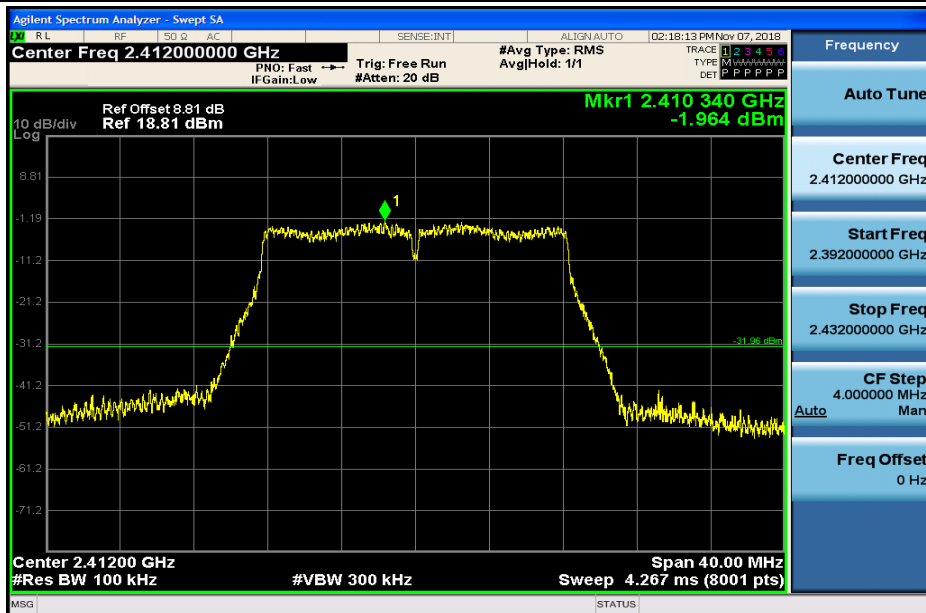
RF Conducted Spurious Emissions_11B_2437



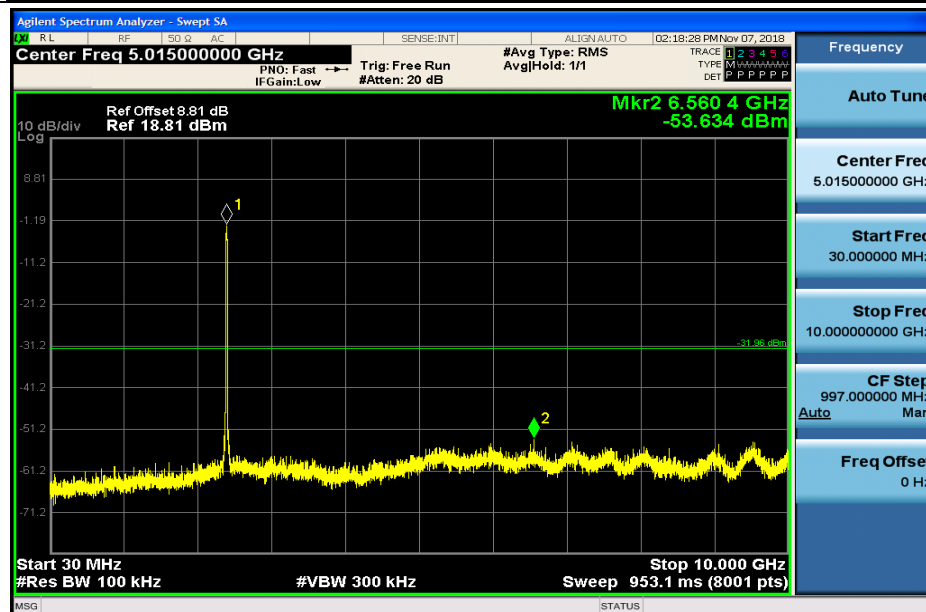
RF Conducted Spurious Emissions_11B_2462



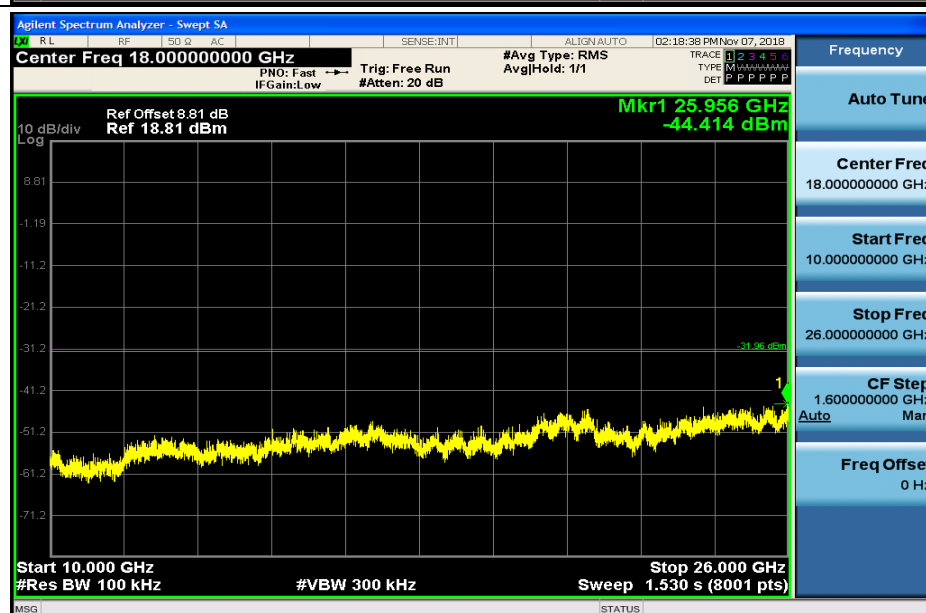
RF Conducted Spurious Emissions_11G_2412



| |
|-------------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.41200000 GHz |
| Start Freq 2.392000000 GHz |
| Stop Freq 2.432000000 GHz |
| CF Step 4.000000 MHz Auto Man |
| Freq Offset 0 Hz |

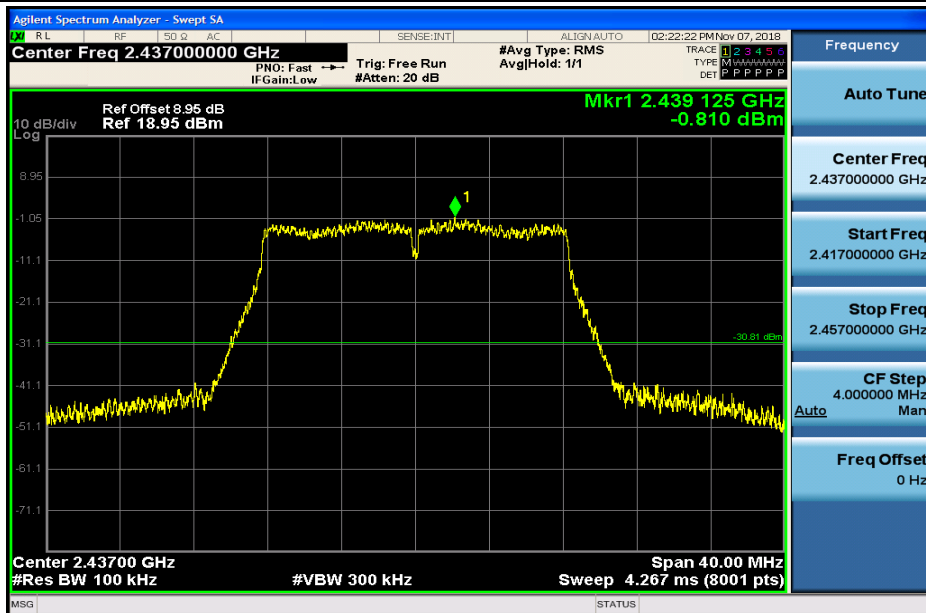


| |
|---------------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 5.01500000 GHz |
| Start Freq 30.000000 MHz |
| Stop Freq 10.000000000 GHz |
| CF Step 997.000000 MHz Auto Man |
| Freq Offset 0 Hz |

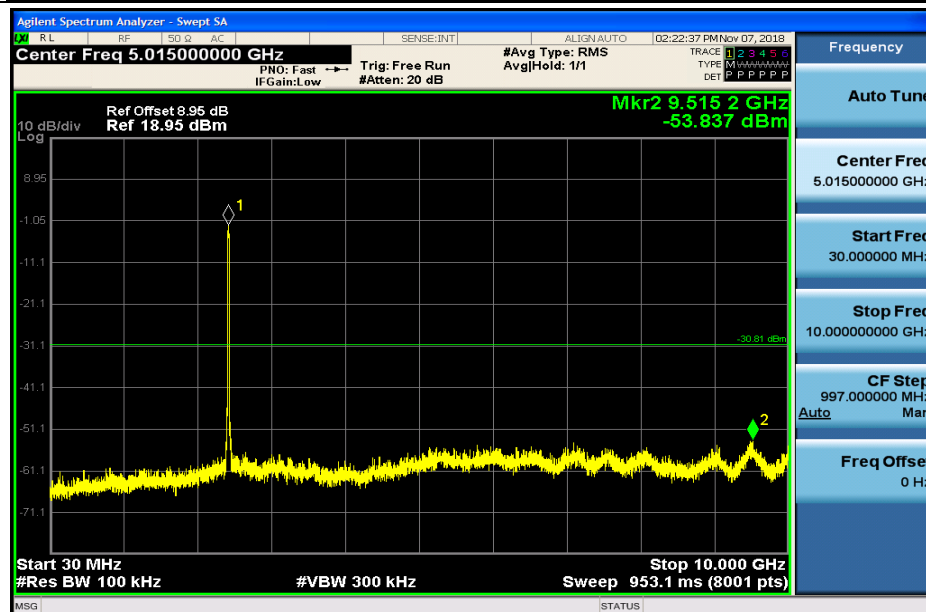


| |
|--|
| Frequency |
| Auto Tune |
| Center Freq 18.000000000 GHz |
| Start Freq 10.000000000 GHz |
| Stop Freq 26.000000000 GHz |
| CF Step 1.600000000 GHz Auto Man |
| Freq Offset 0 Hz |

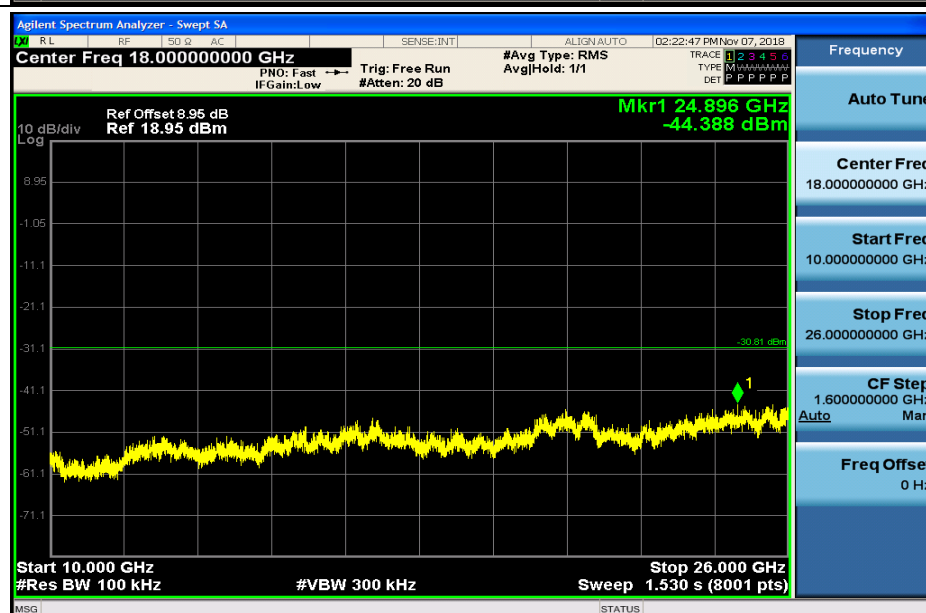
RF Conducted Spurious Emissions_11G_2437



| Frequency | |
|-------------|-----------------|
| Auto Tune | |
| Center Freq | 2.437000000 GHz |
| Start Freq | 2.417000000 GHz |
| Stop Freq | 2.457000000 GHz |
| CF Step | 4.000000 MHz |
| Auto | Man |
| Freq Offset | 0 Hz |

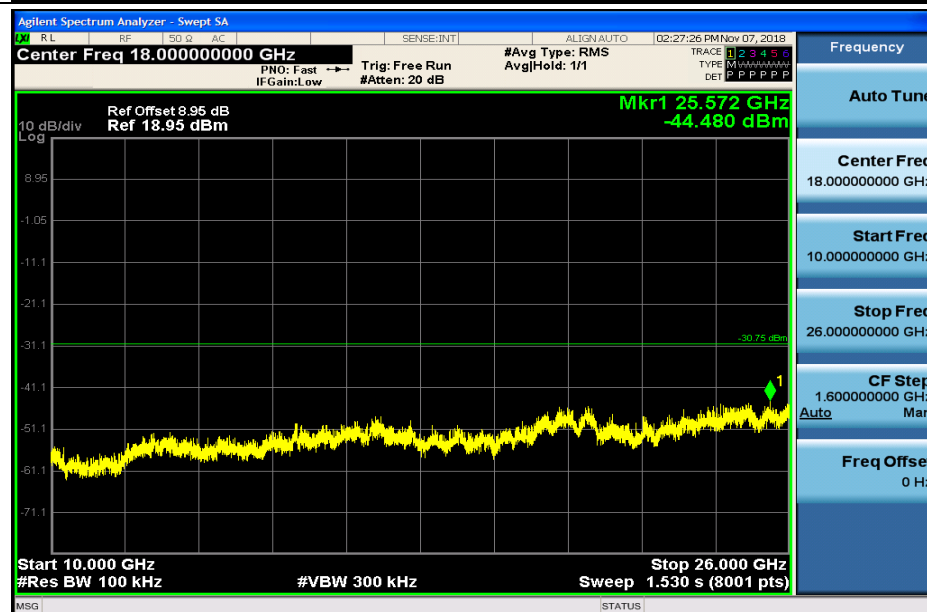
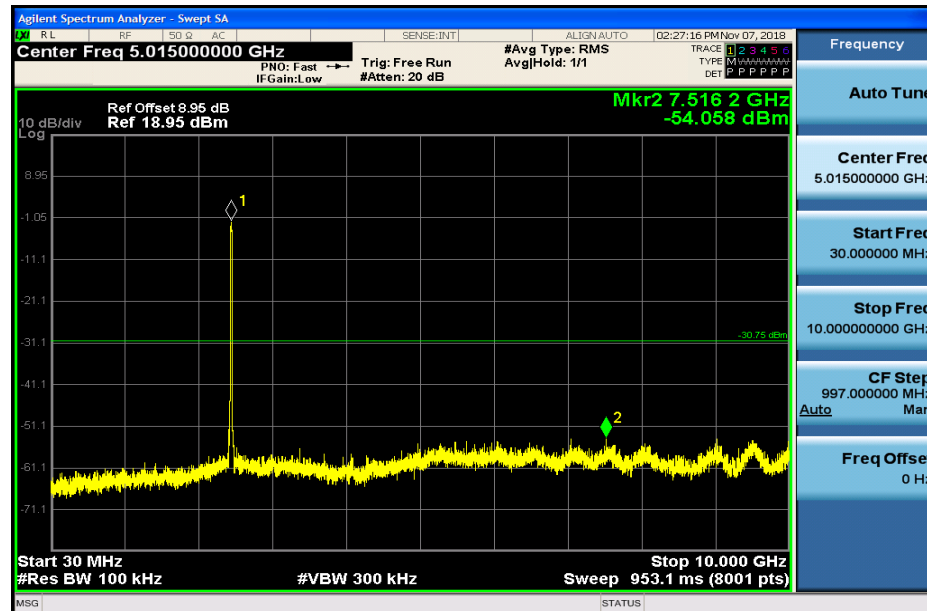


| Frequency | |
|-------------|------------------|
| Auto Tune | |
| Center Freq | 5.015000000 GHz |
| Start Freq | 30.000000 MHz |
| Stop Freq | 10.000000000 GHz |
| CF Step | 997.000000 MHz |
| Auto | Man |
| Freq Offset | 0 Hz |

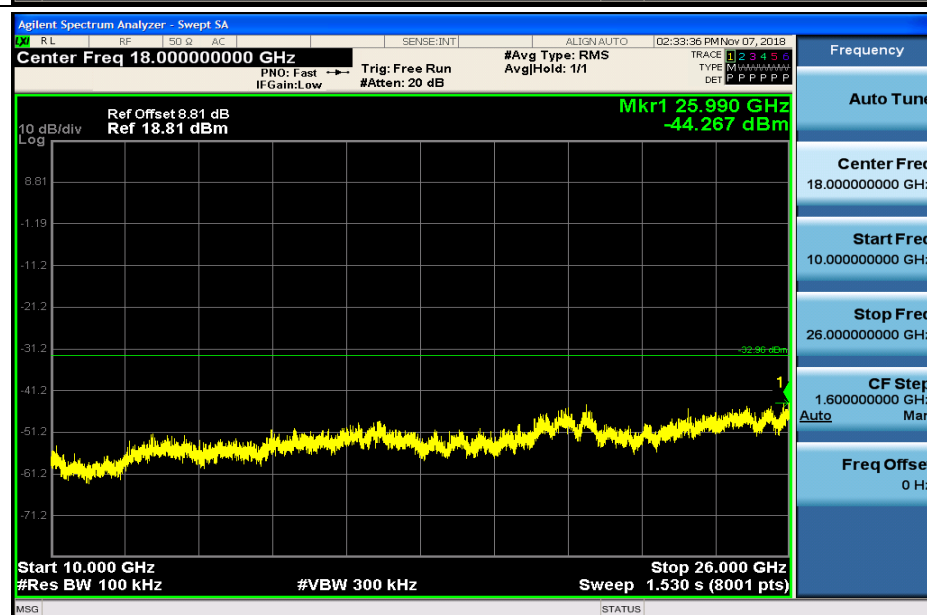
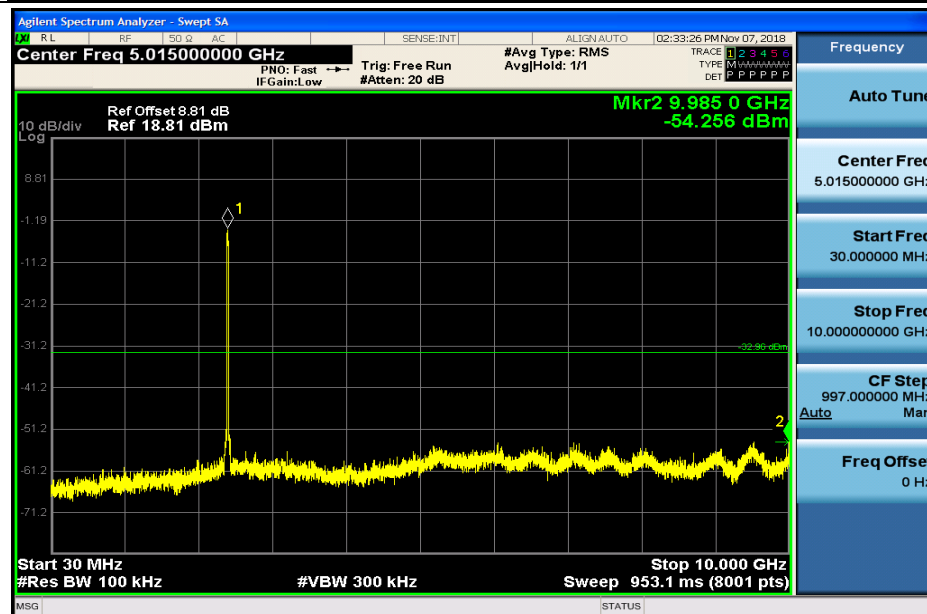
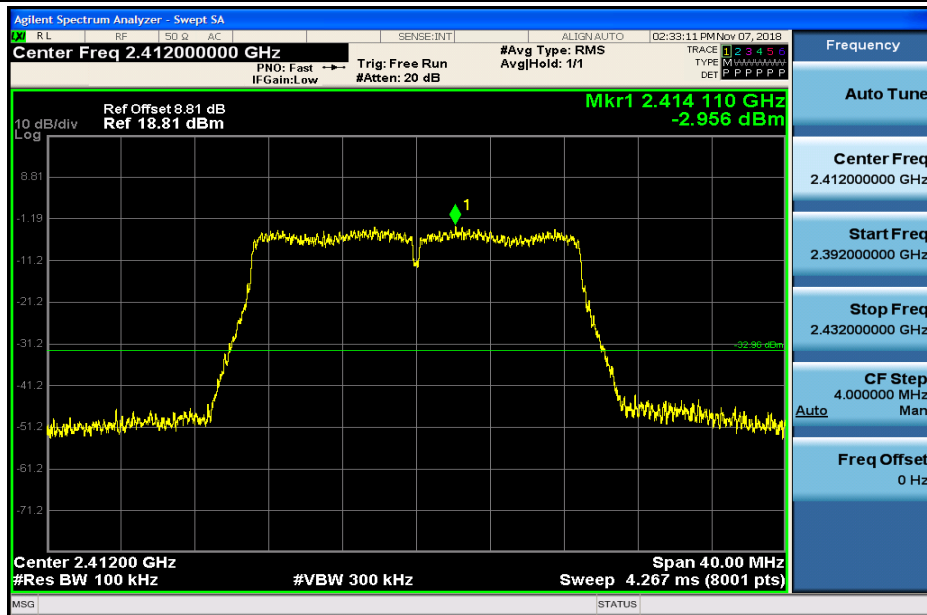


| Frequency | |
|-------------|------------------|
| Auto Tune | |
| Center Freq | 18.000000000 GHz |
| Start Freq | 10.000000000 GHz |
| Stop Freq | 26.000000000 GHz |
| CF Step | 1.600000000 GHz |
| Auto | Man |
| Freq Offset | 0 Hz |

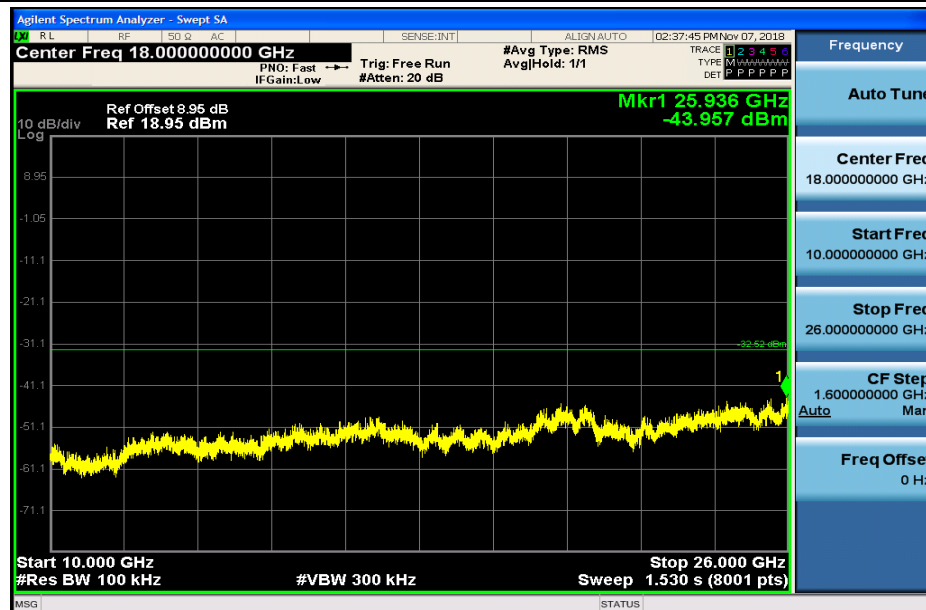
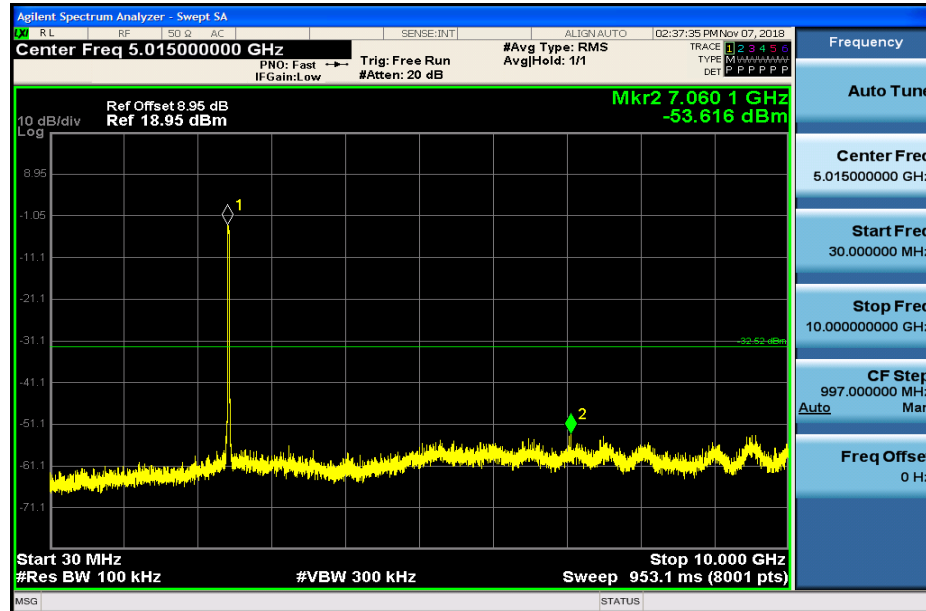
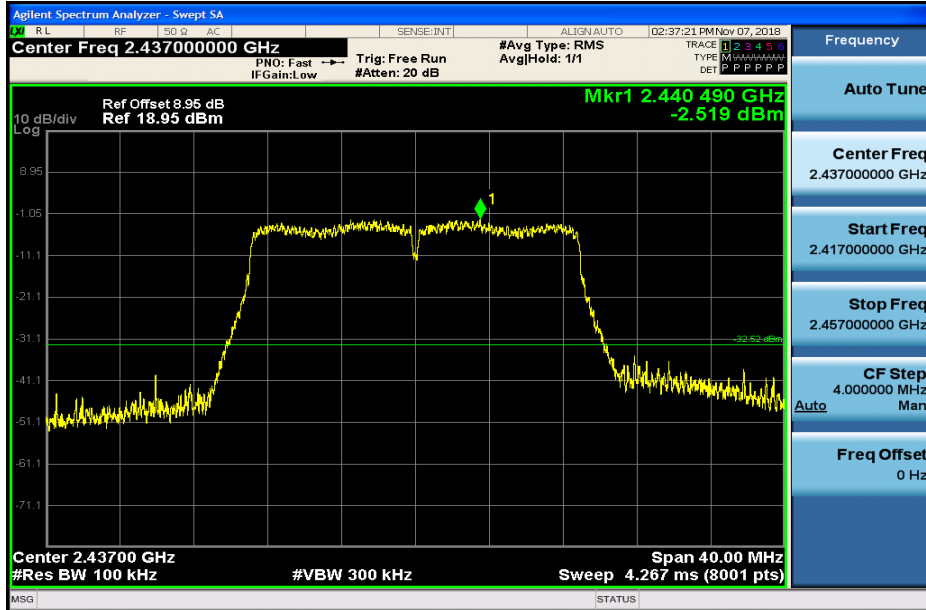
RF Conducted Spurious Emissions_11G_2462



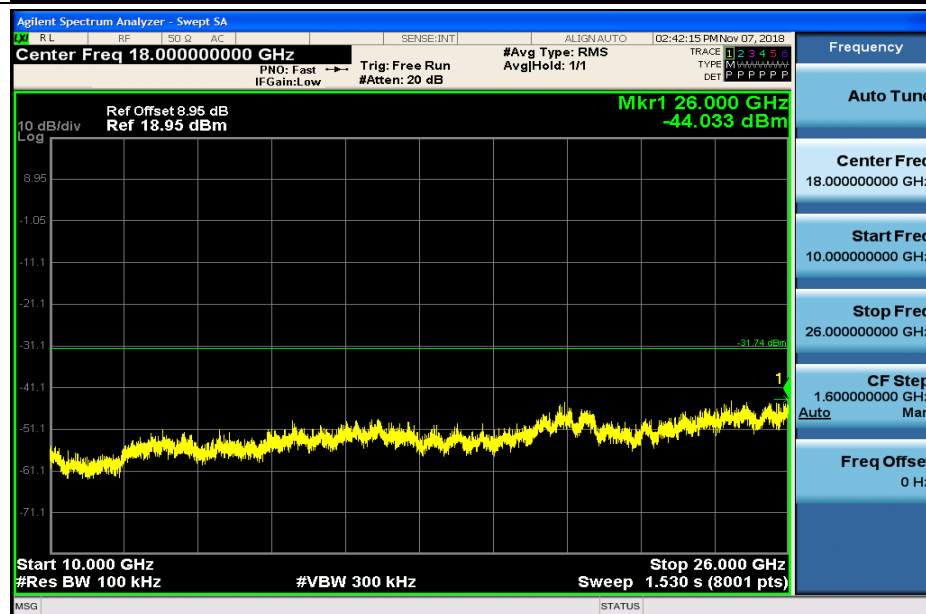
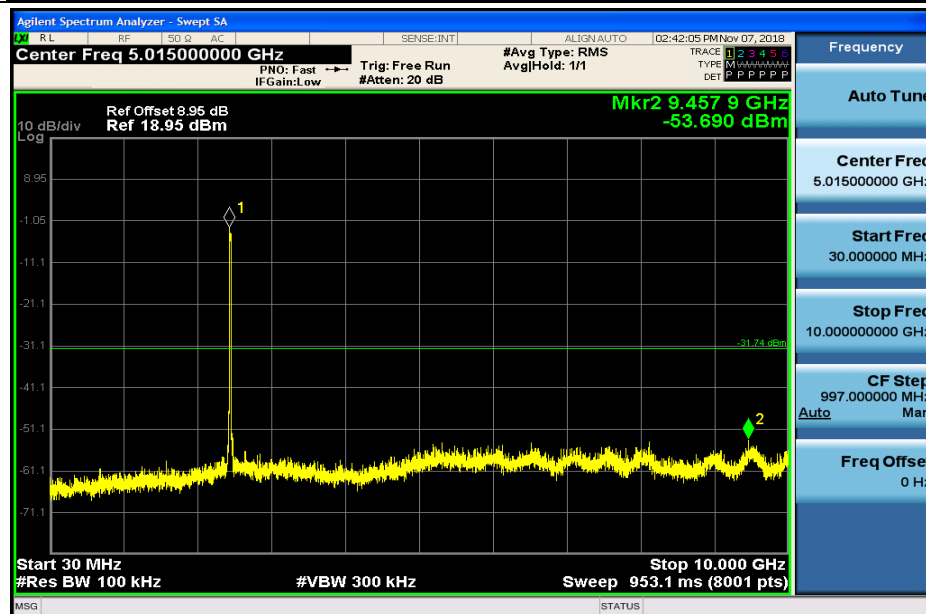
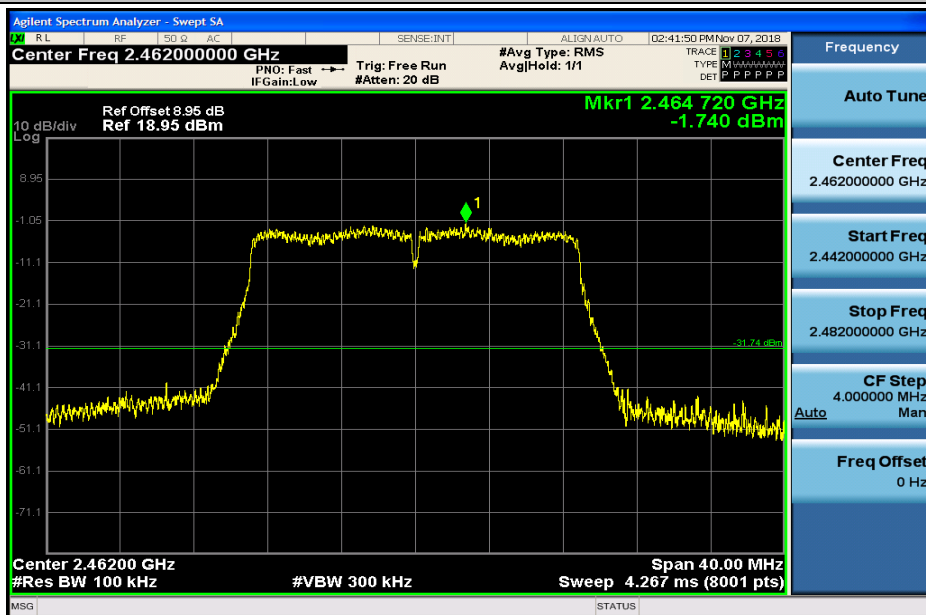
RF Conducted Spurious Emissions_11N20SISO_2412



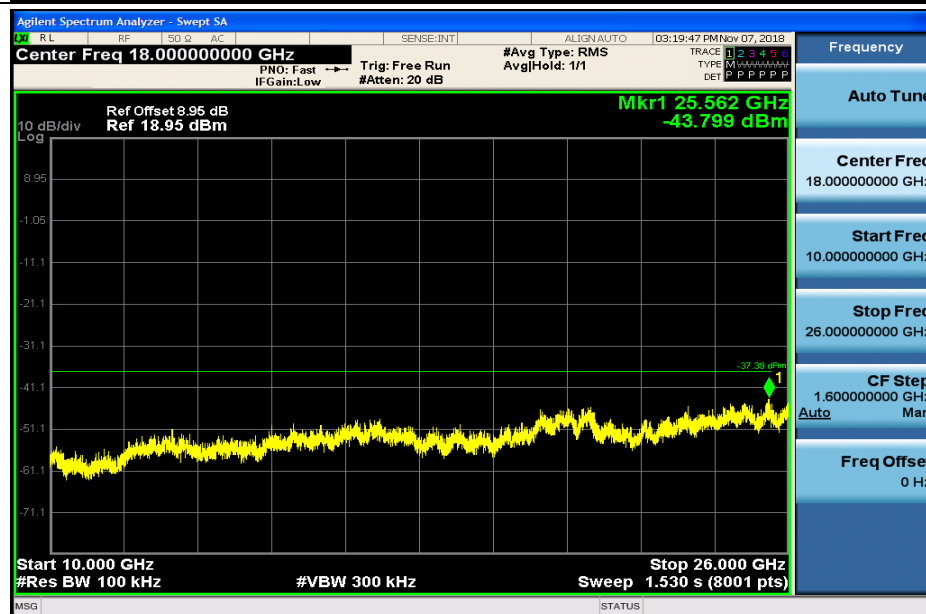
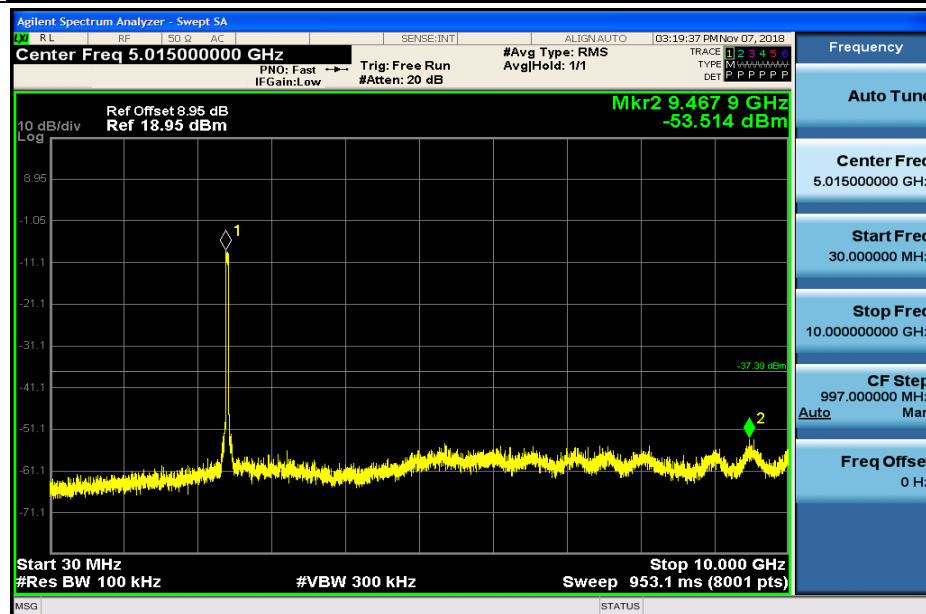
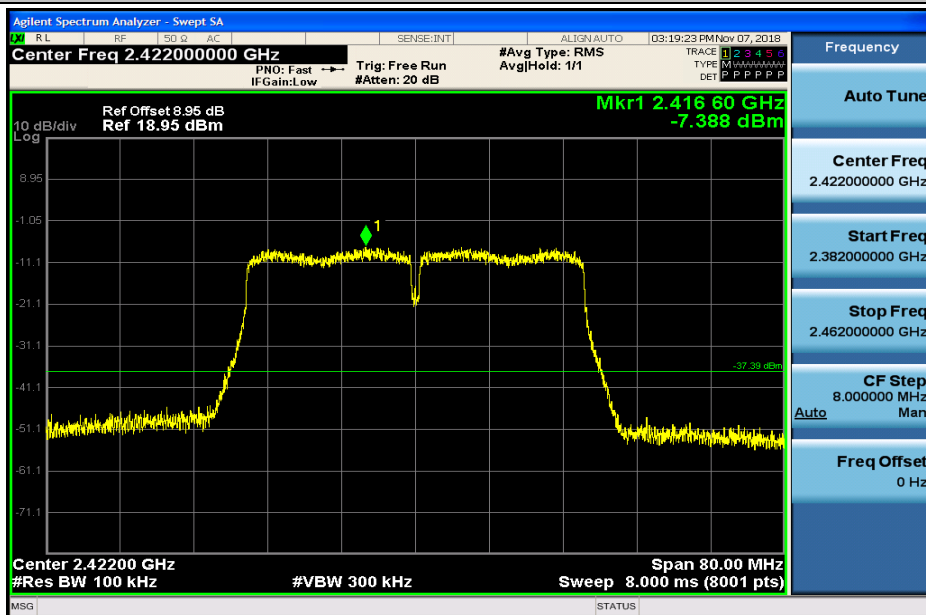
RF Conducted Spurious Emissions_11N20SISO_2437



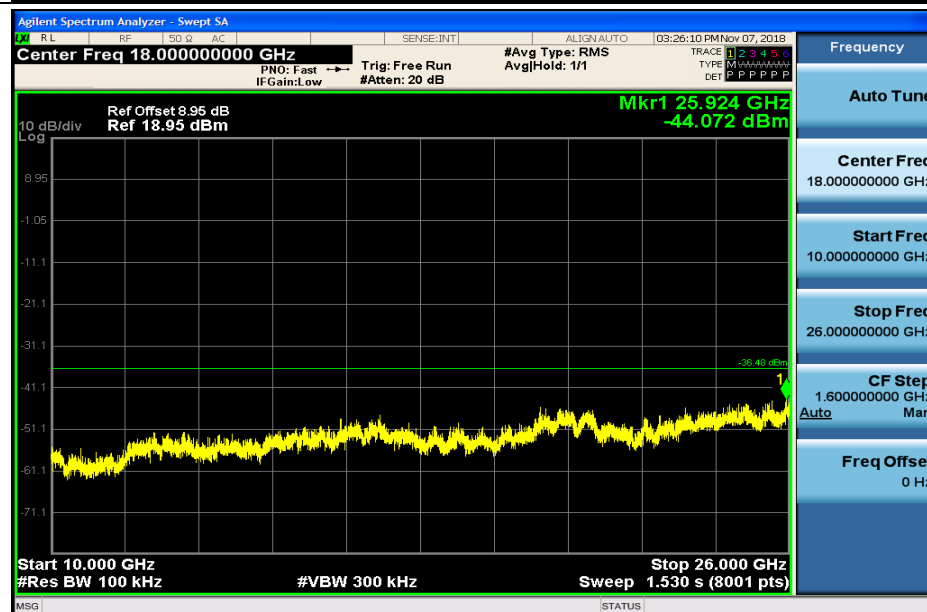
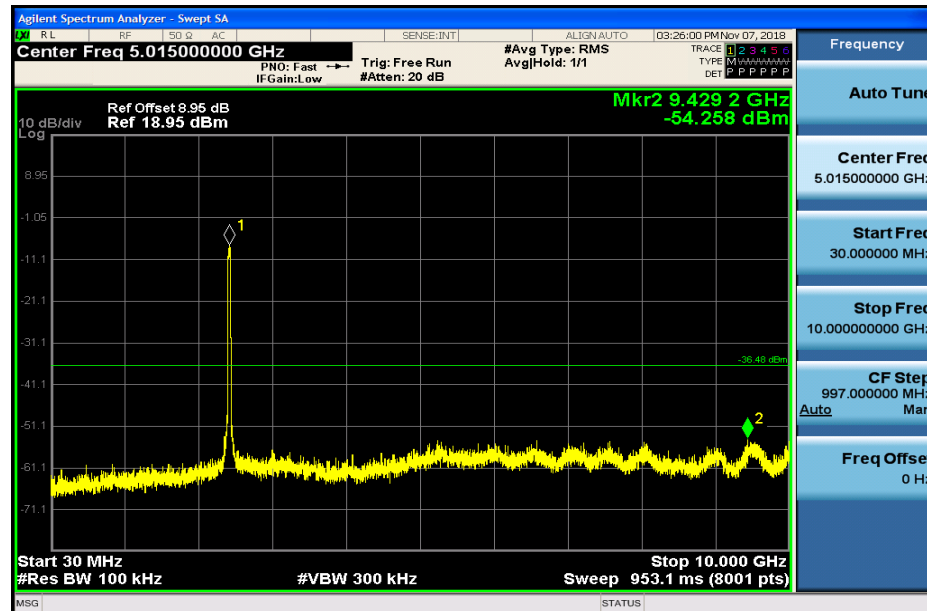
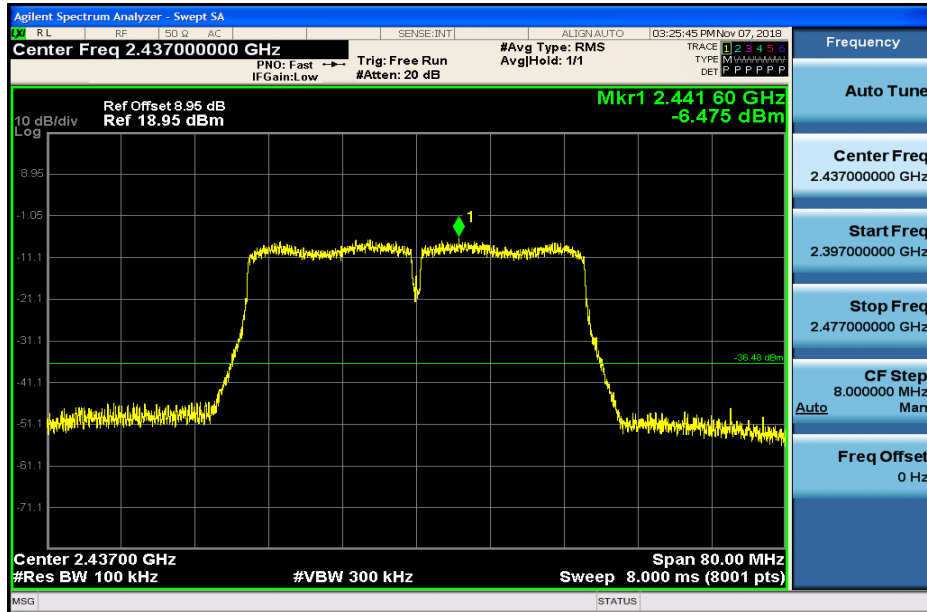
RF Conducted Spurious Emissions_11N20SISO_2462



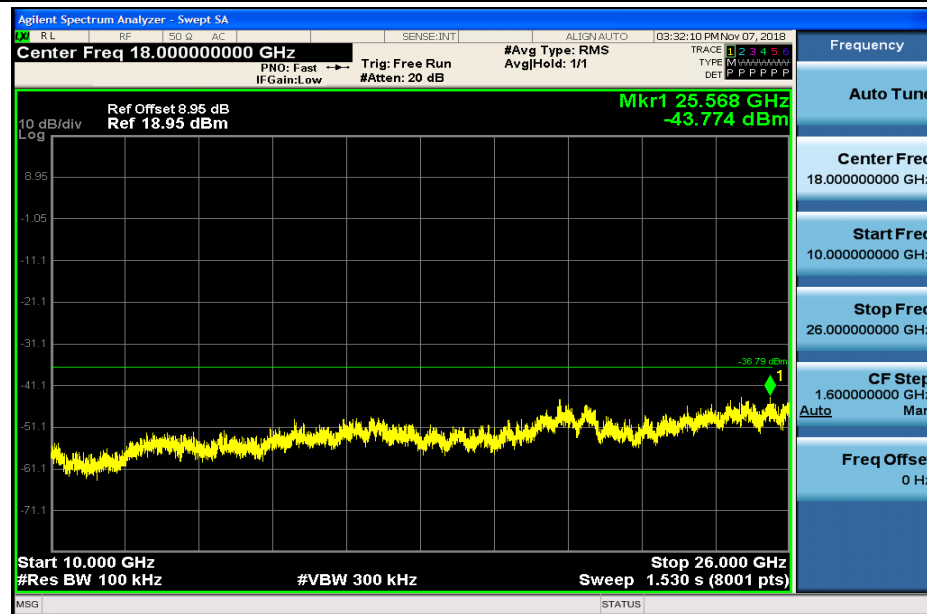
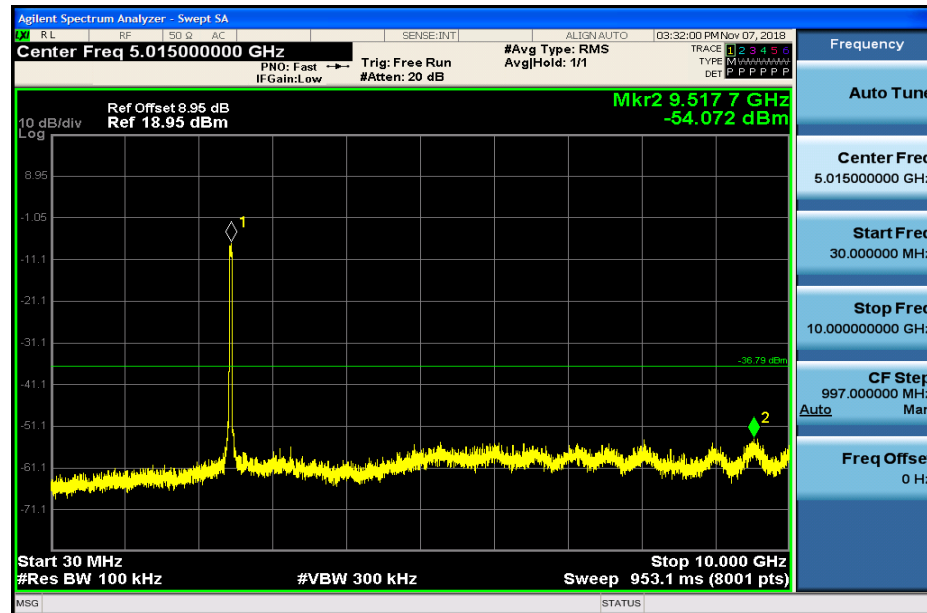
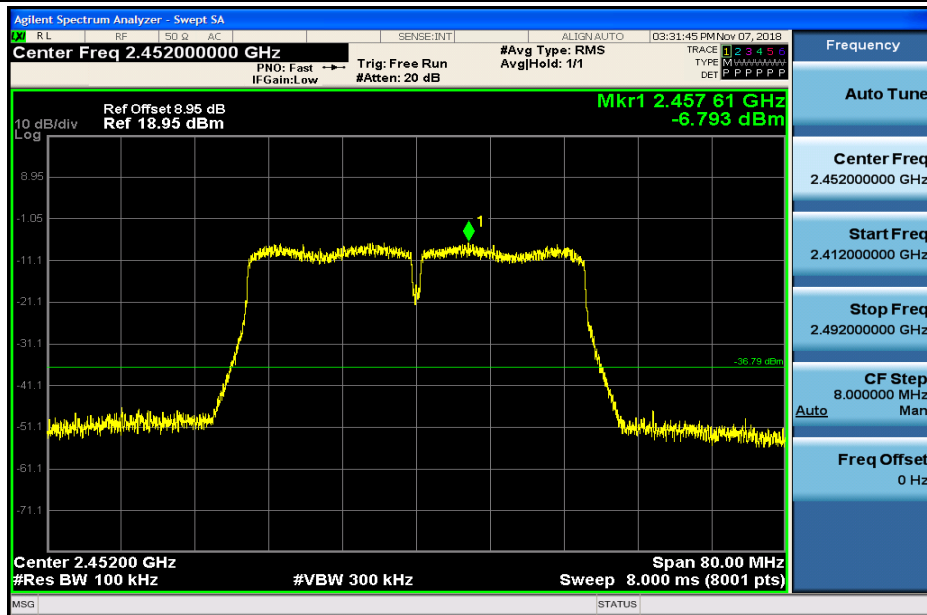
RF Conducted Spurious Emissions_11N40SISO_2422



RF Conducted Spurious Emissions_11N40SISO_2437



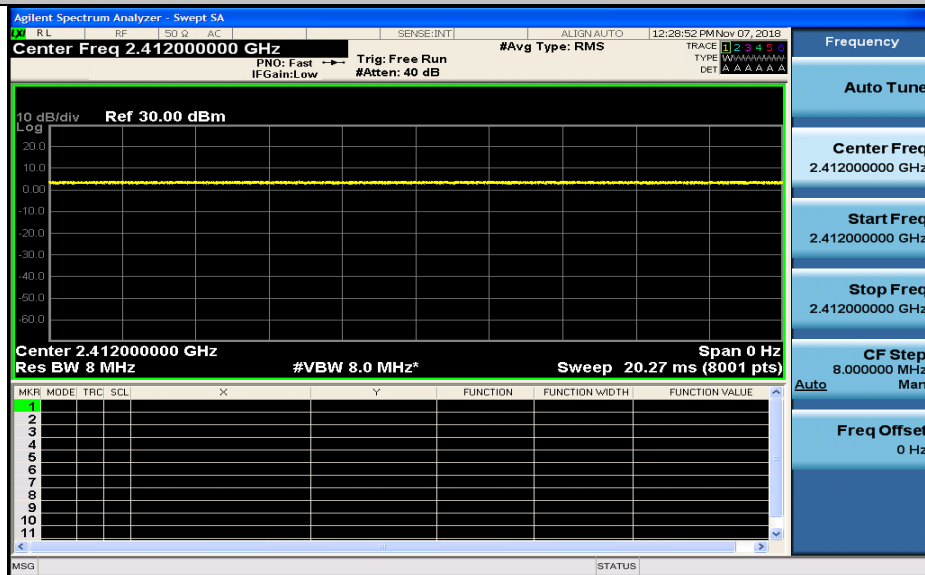
RF Conducted Spurious Emissions_11N40SISO_2452



7.Duty Cycle

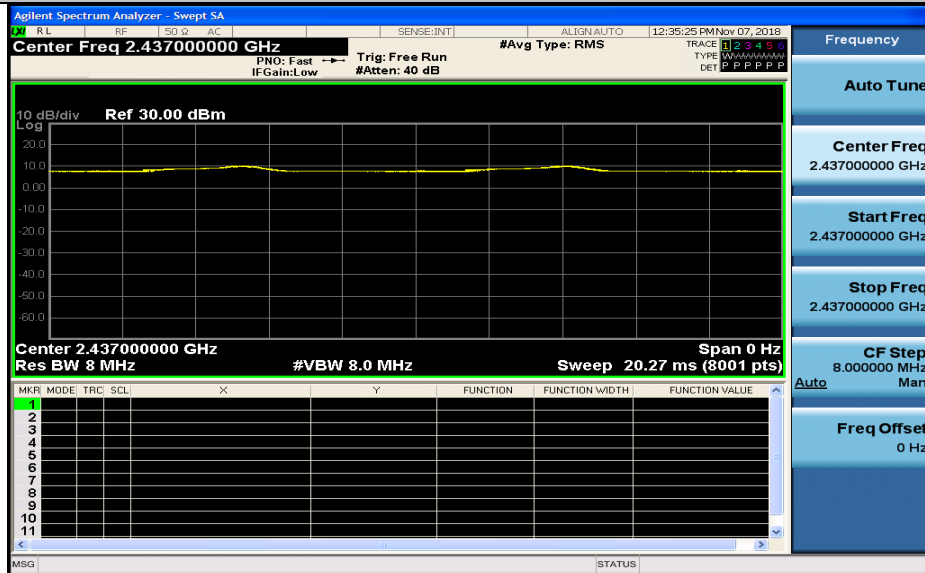
| Test Mode | Test Channel | Ant | Duty Cycle[%] | 10log(1/x) Factor[dB] |
|-----------|--------------|------|---------------|-----------------------|
| 11B | 2412 | Ant1 | 100.00 | 0.00 |
| 11B | 2437 | Ant1 | 100.00 | 0.00 |
| 11B | 2462 | Ant1 | 100.00 | 0.00 |
| 11G | 2412 | Ant1 | 100.00 | 0.00 |
| 11G | 2437 | Ant1 | 100.00 | 0.00 |
| 11G | 2462 | Ant1 | 100.00 | 0.00 |
| 11N20SISO | 2412 | Ant1 | 100.00 | 0.00 |
| 11N20SISO | 2437 | Ant1 | 100.00 | 0.00 |
| 11N20SISO | 2462 | Ant1 | 100.00 | 0.00 |
| 11N40SISO | 2422 | Ant1 | 100.00 | 0.00 |
| 11N40SISO | 2437 | Ant1 | 100.00 | 0.00 |
| 11N40SISO | 2452 | Ant1 | 100.00 | 0.00 |

Duty Cycle_11B_2412_Ant1



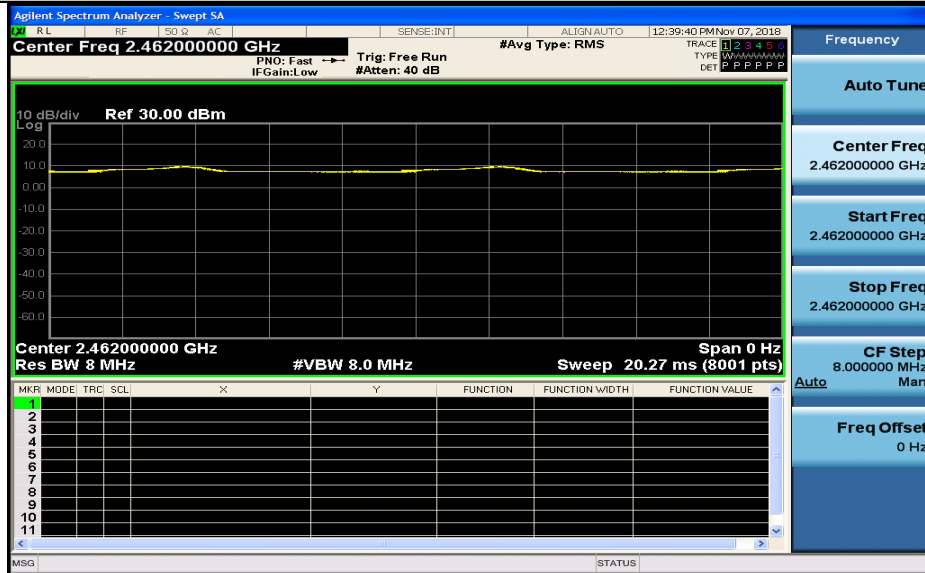
| |
|--------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.412000000 GHz |
| Start Freq 2.412000000 GHz |
| Stop Freq 2.412000000 GHz |
| CF Step 8.000000 MHz |
| Freq Offset 0 Hz |

Duty Cycle_11B_2437_Ant1



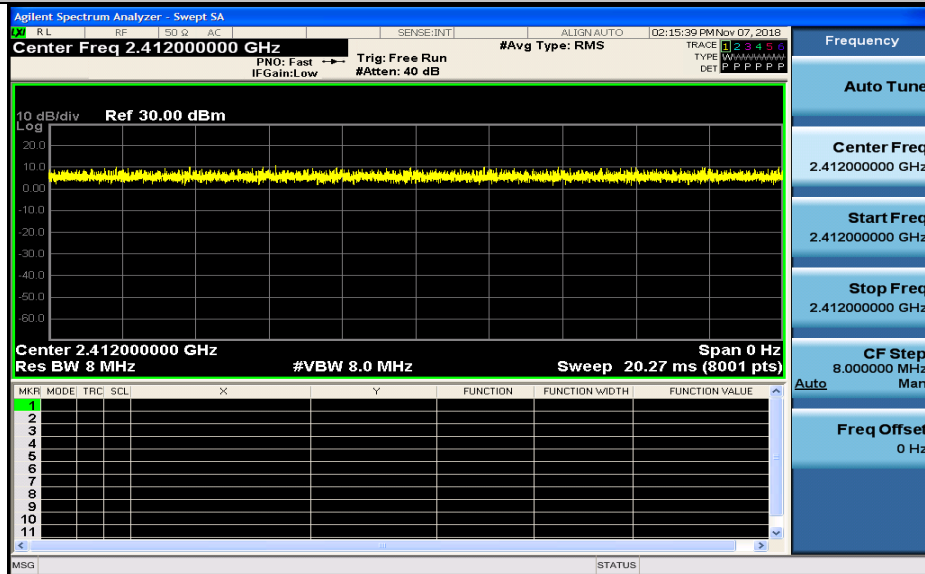
| |
|--------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.437000000 GHz |
| Start Freq 2.437000000 GHz |
| Stop Freq 2.437000000 GHz |
| CF Step 8.000000 MHz |
| Freq Offset 0 Hz |

Duty Cycle_11B_2462_Ant1

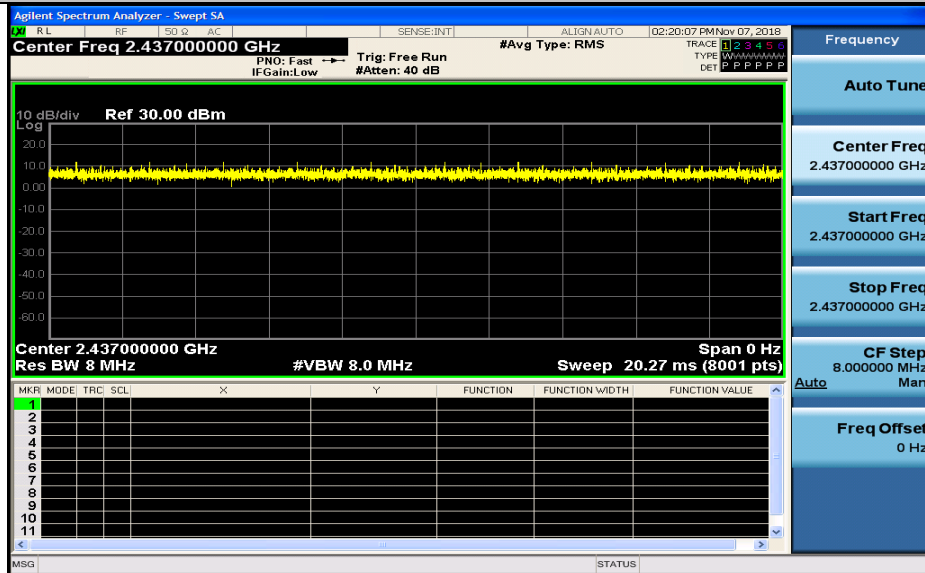


| |
|--------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.462000000 GHz |
| Start Freq 2.462000000 GHz |
| Stop Freq 2.462000000 GHz |
| CF Step 8.000000 MHz |
| Freq Offset 0 Hz |

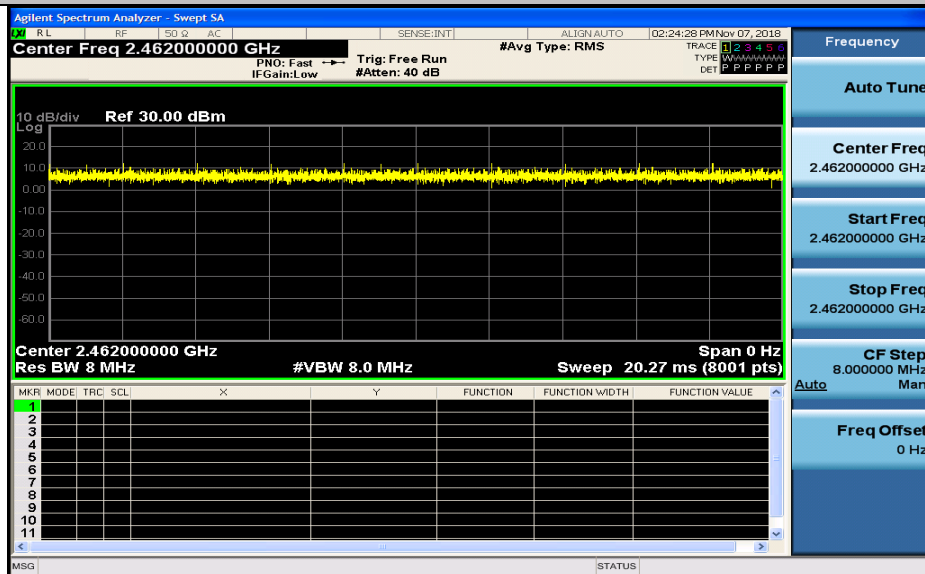
Duty Cycle_11G_2412_Ant1



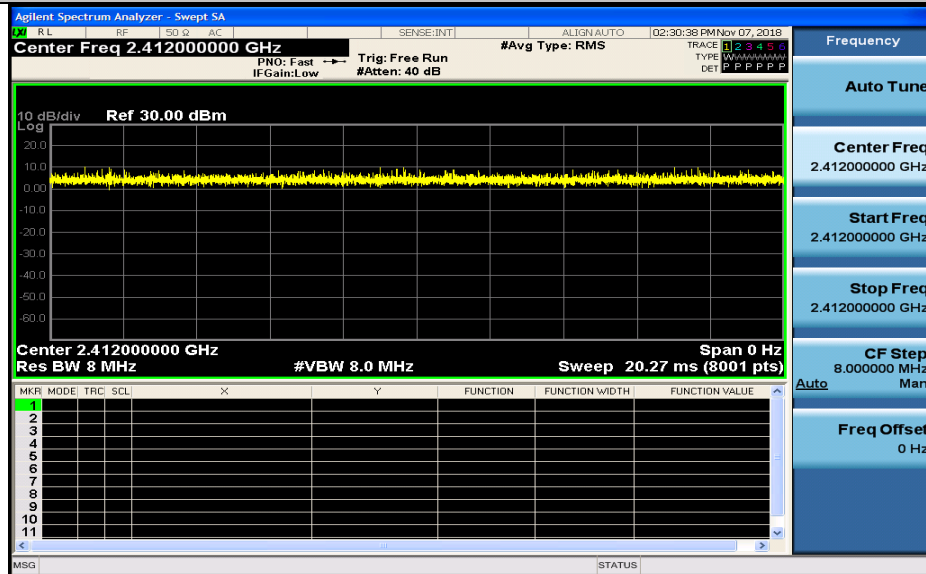
Duty Cycle_11G_2437_Ant1



Duty Cycle_11G_2462_Ant1

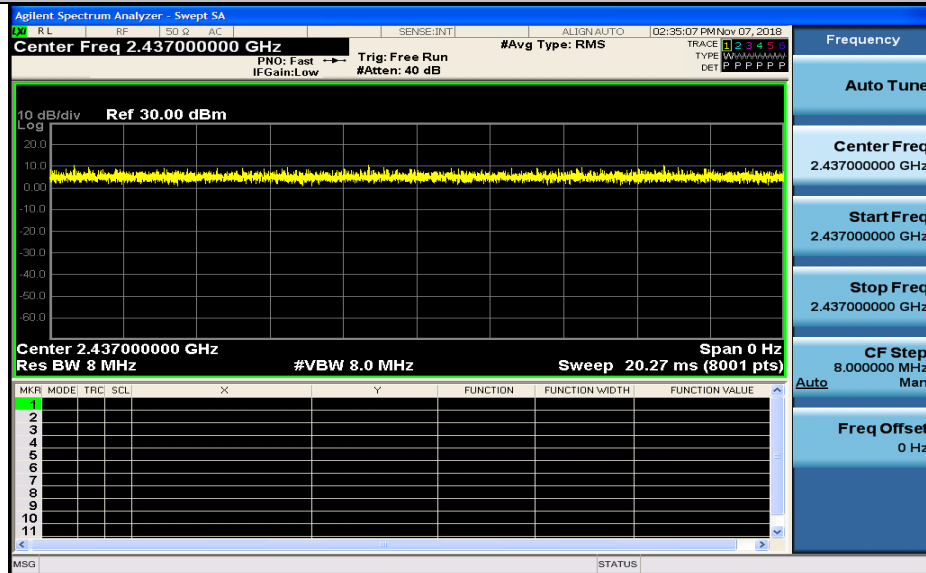


Duty Cycle_11N20SISO_2412_Ant1



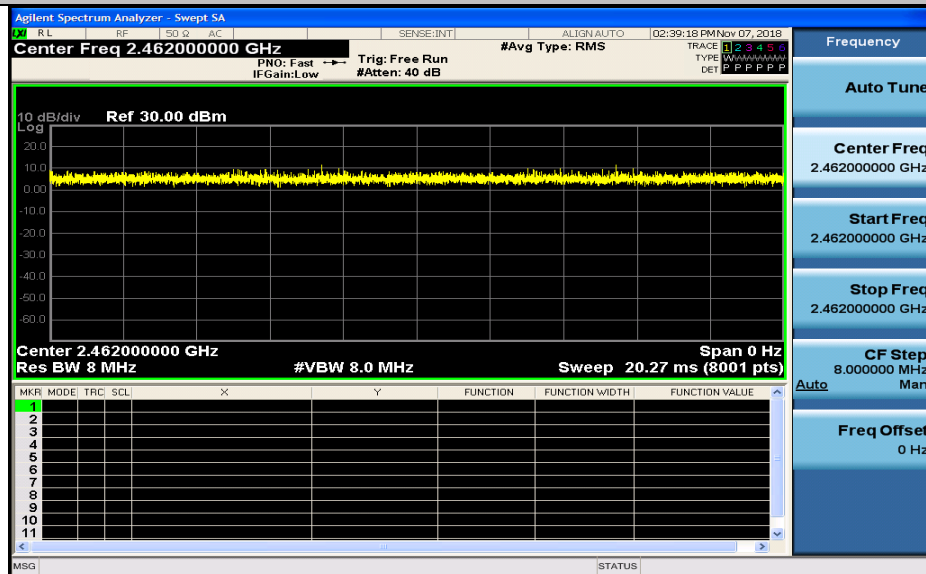
| |
|--------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.412000000 GHz |
| Start Freq 2.412000000 GHz |
| Stop Freq 2.412000000 GHz |
| CF Step 8.000000 MHz |
| Auto Man |
| Freq Offset 0 Hz |

Duty Cycle_11N20SISO_2437_Ant1



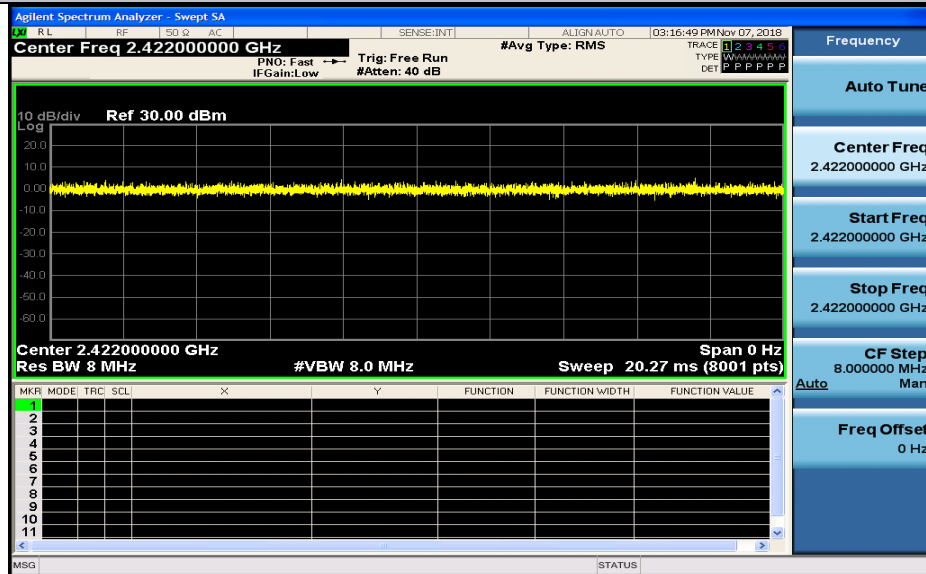
| |
|--------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.437000000 GHz |
| Start Freq 2.437000000 GHz |
| Stop Freq 2.437000000 GHz |
| CF Step 8.000000 MHz |
| Auto Man |
| Freq Offset 0 Hz |

Duty Cycle_11N20SISO_2462_Ant1



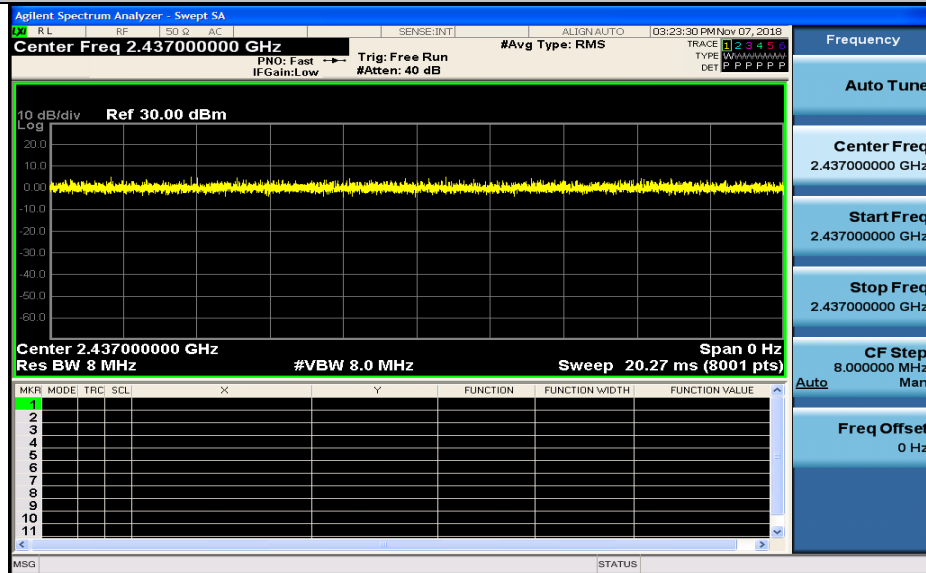
| |
|--------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.462000000 GHz |
| Start Freq 2.462000000 GHz |
| Stop Freq 2.462000000 GHz |
| CF Step 8.000000 MHz |
| Auto Man |
| Freq Offset 0 Hz |

Duty Cycle_11N40SISO_2422_Ant1



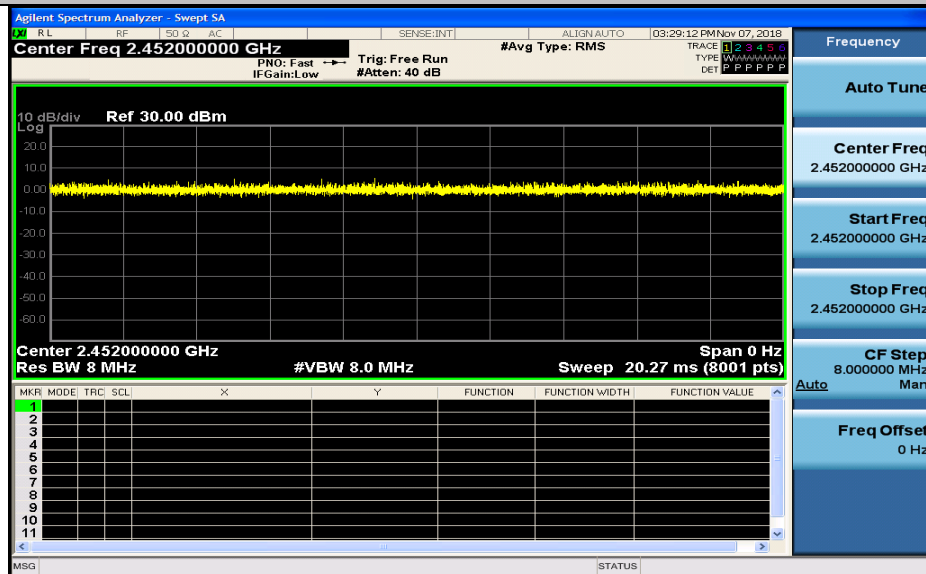
| |
|-------------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.422000000 GHz |
| Start Freq 2.422000000 GHz |
| Stop Freq 2.422000000 GHz |
| CF Step 8.000000 MHz Auto Man |
| Freq Offset 0 Hz |

Duty Cycle_11N40SISO_2437_Ant1



| |
|-------------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.437000000 GHz |
| Start Freq 2.437000000 GHz |
| Stop Freq 2.437000000 GHz |
| CF Step 8.000000 MHz Auto Man |
| Freq Offset 0 Hz |

Duty Cycle_11N40SISO_2452_Ant1



| |
|-------------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.452000000 GHz |
| Start Freq 2.452000000 GHz |
| Stop Freq 2.452000000 GHz |
| CF Step 8.000000 MHz Auto Man |
| Freq Offset 0 Hz |



**SGS-CSTC Standards Technical Services Co., Ltd. Shanghai
Branch**