

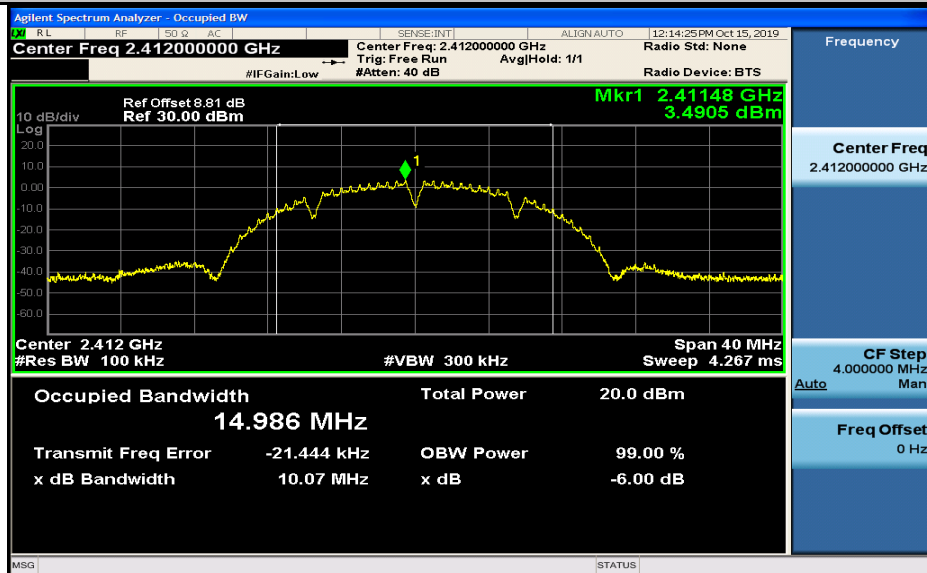


Appendix A for SHEM190901768801

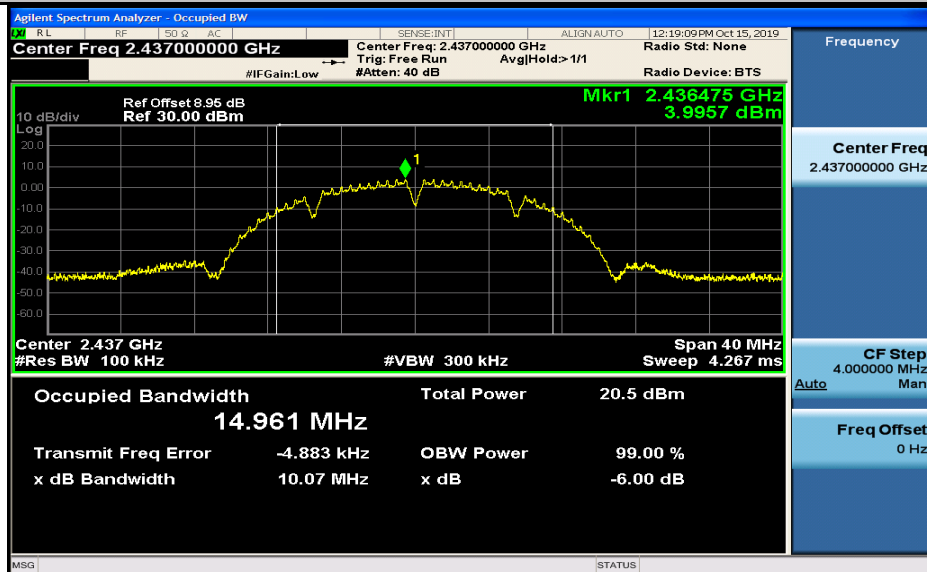
1.6dB Bandwidth

| Test Mode | Test Channel | Ant  | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|-------|---------|
| 11B       | 2412         | Ant1 | 10.07    | 0.5   | PASS    |
| 11B       | 2437         | Ant1 | 10.07    | 0.5   | PASS    |
| 11B       | 2462         | Ant1 | 10.06    | 0.5   | PASS    |
| 11G       | 2412         | Ant1 | 16.57    | 0.5   | PASS    |
| 11G       | 2437         | Ant1 | 16.57    | 0.5   | PASS    |
| 11G       | 2462         | Ant1 | 16.57    | 0.5   | PASS    |
| 11N20SISO | 2412         | Ant1 | 17.79    | 0.5   | PASS    |
| 11N20SISO | 2437         | Ant1 | 17.77    | 0.5   | PASS    |
| 11N20SISO | 2462         | Ant1 | 17.78    | 0.5   | PASS    |
| 11N40SISO | 2422         | Ant1 | 36.34    | 0.5   | PASS    |
| 11N40SISO | 2437         | Ant1 | 36.33    | 0.5   | PASS    |
| 11N40SISO | 2452         | Ant1 | 36.32    | 0.5   | PASS    |

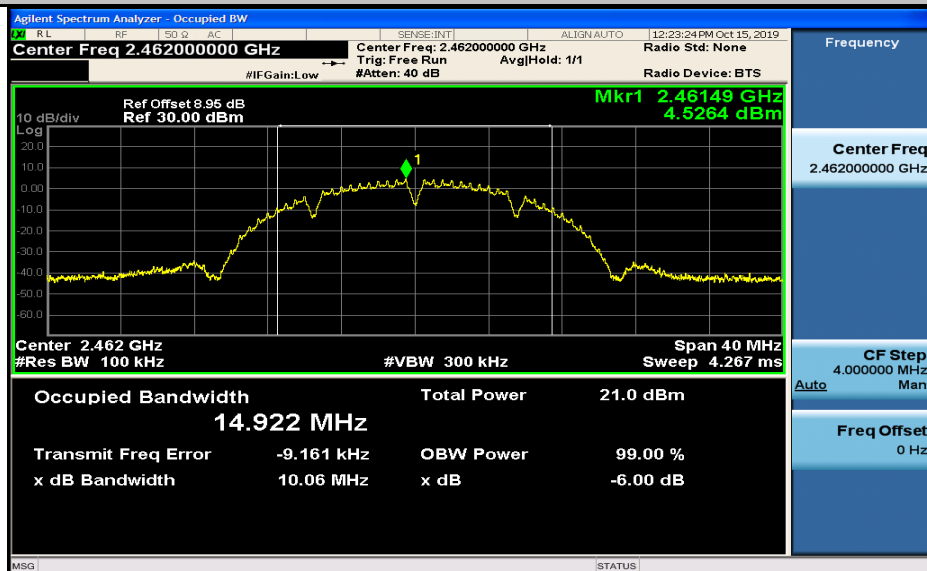
### 6dB Bandwidth\_11B\_2412\_Ant1



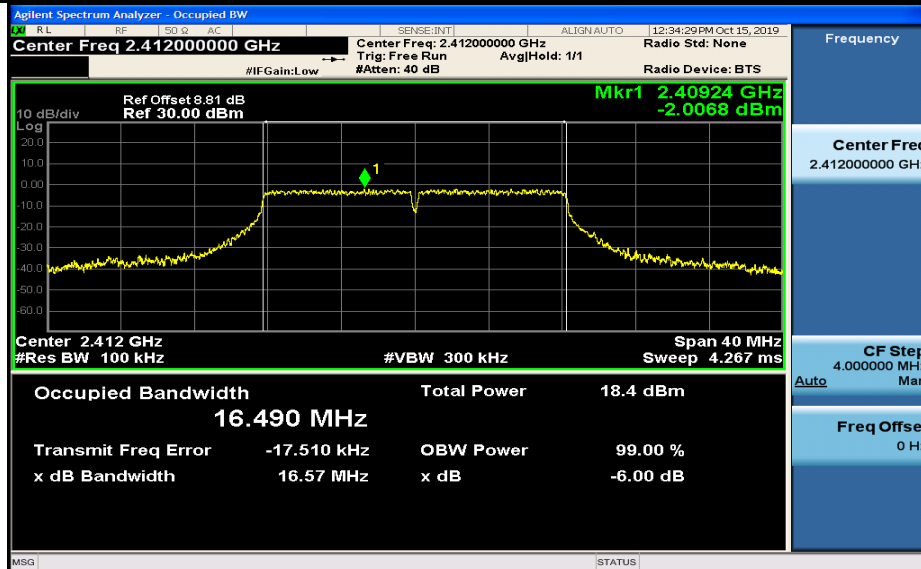
### 6dB Bandwidth\_11B\_2437\_Ant1



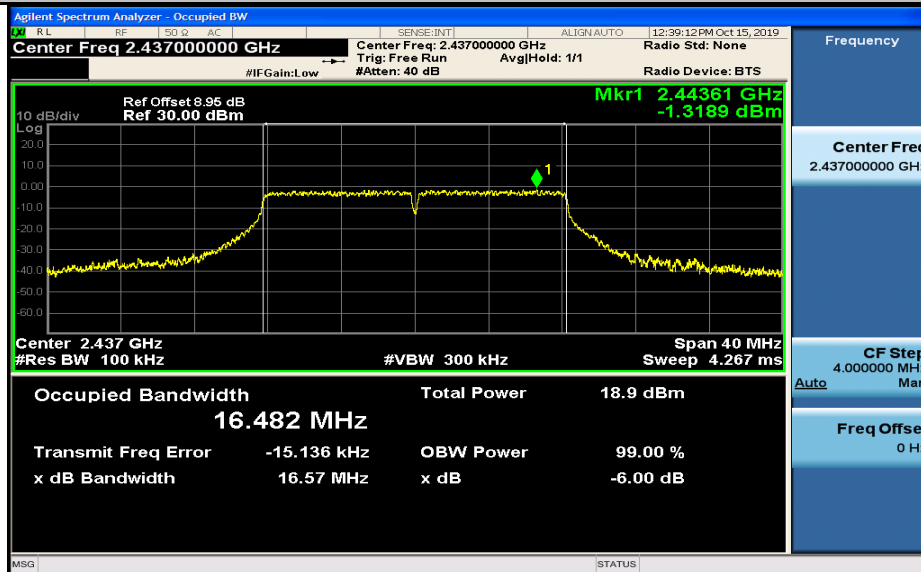
### 6dB Bandwidth\_11B\_2462\_Ant1



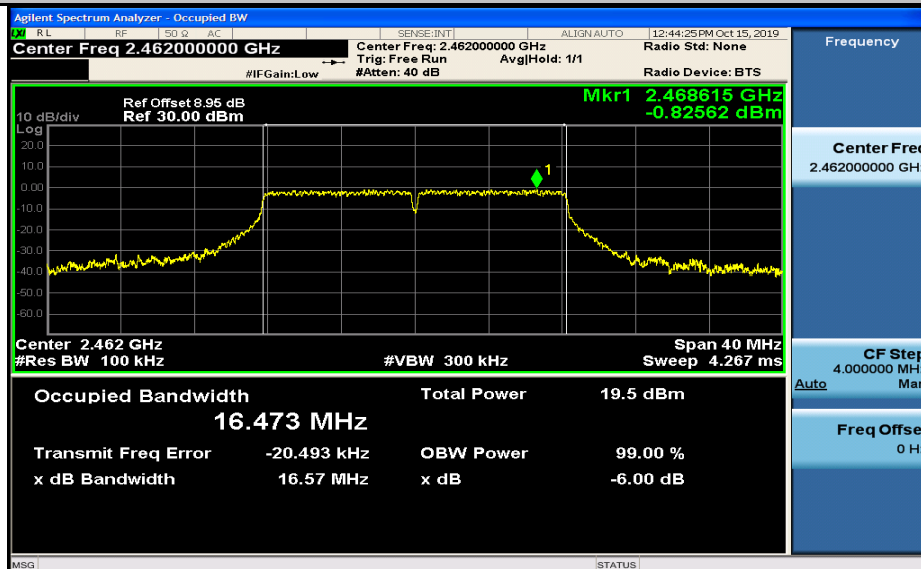
### 6dB Bandwidth\_11G\_2412\_Ant1



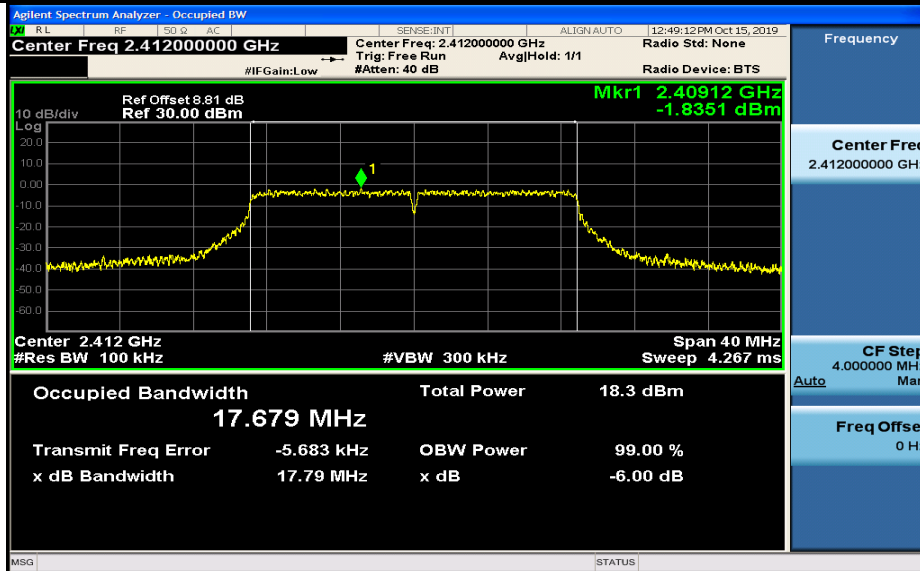
### 6dB Bandwidth\_11G\_2437\_Ant1



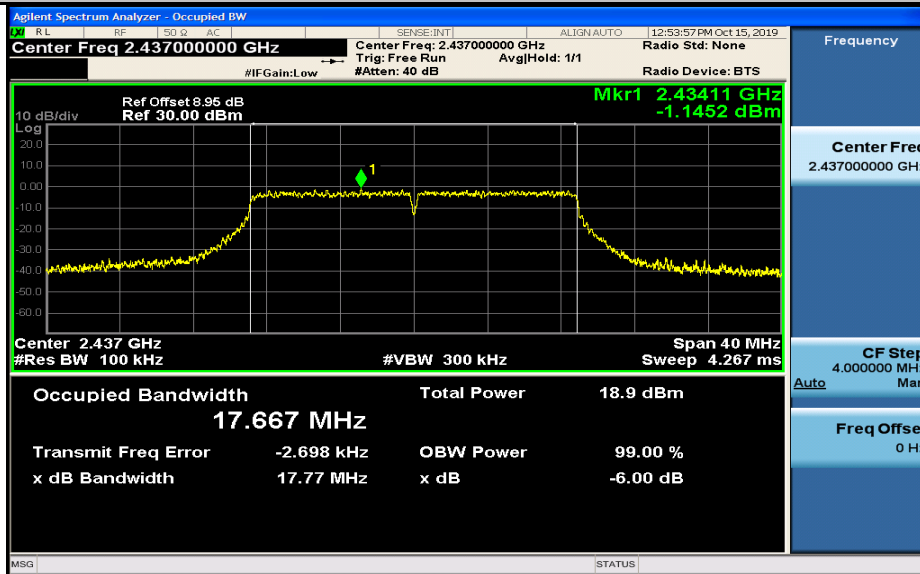
### 6dB Bandwidth\_11G\_2462\_Ant1



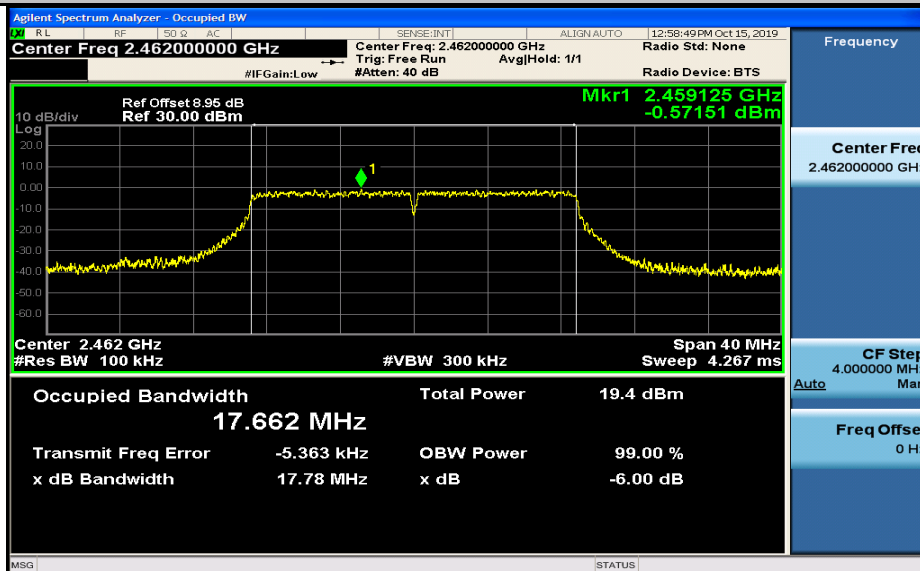
6dB Bandwidth\_11N20SISO\_2412\_Ant1



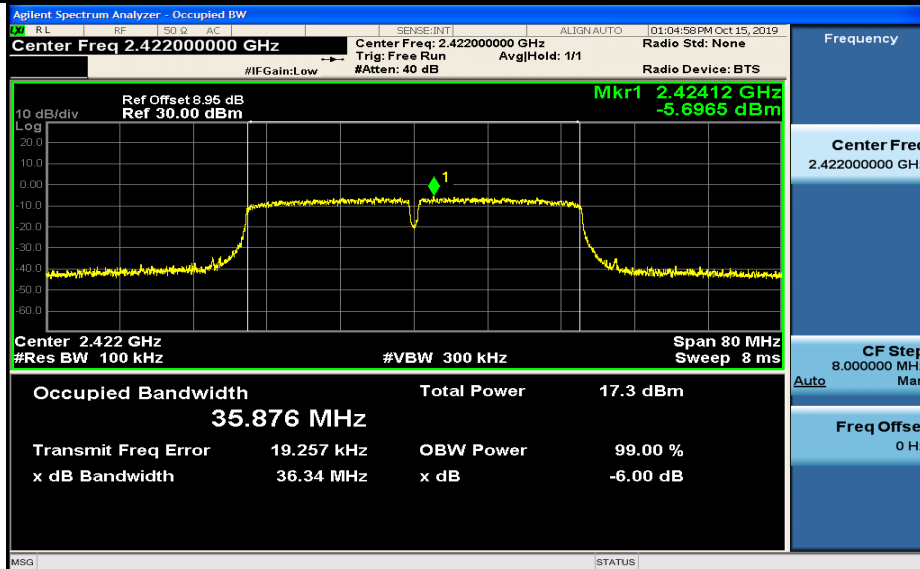
6dB Bandwidth\_11N20SISO\_2437\_Ant1



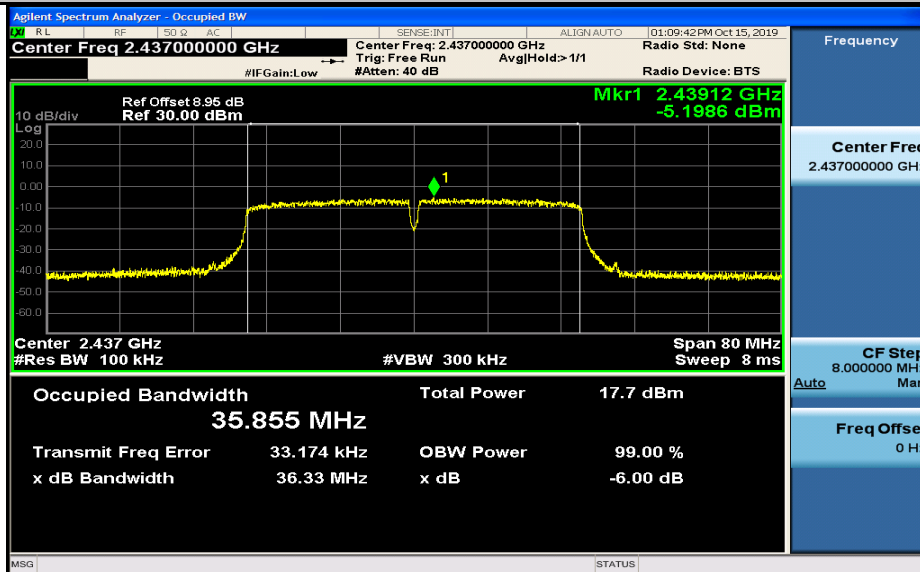
6dB Bandwidth\_11N20SISO\_2462\_Ant1



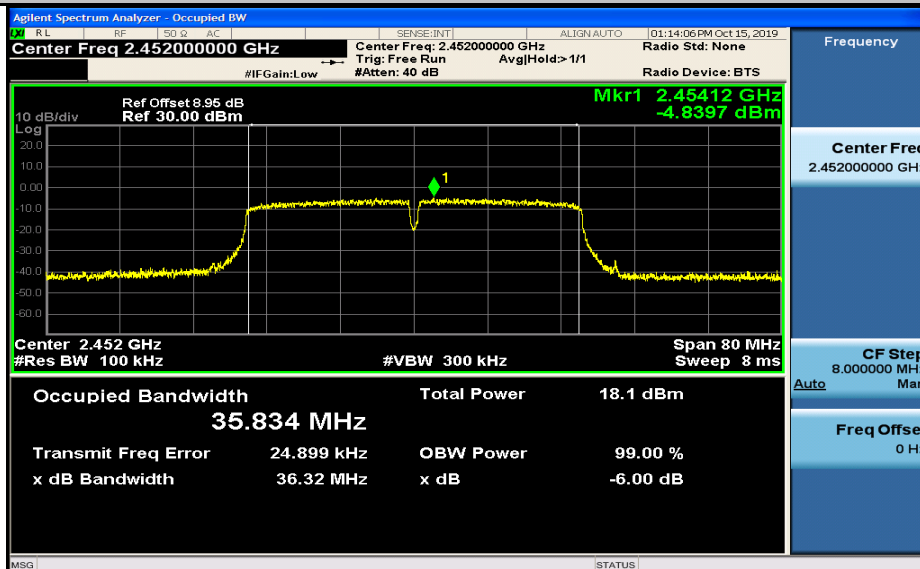
6dB Bandwidth\_11N40SISO\_2422\_Ant1



6dB Bandwidth\_11N40SISO\_2437\_Ant1



6dB Bandwidth\_11N40SISO\_2452\_Ant1

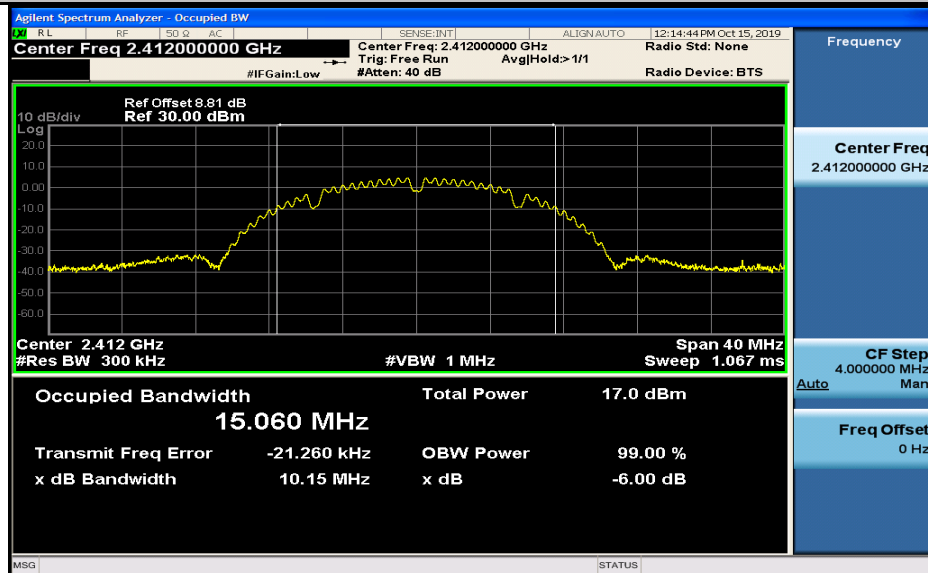




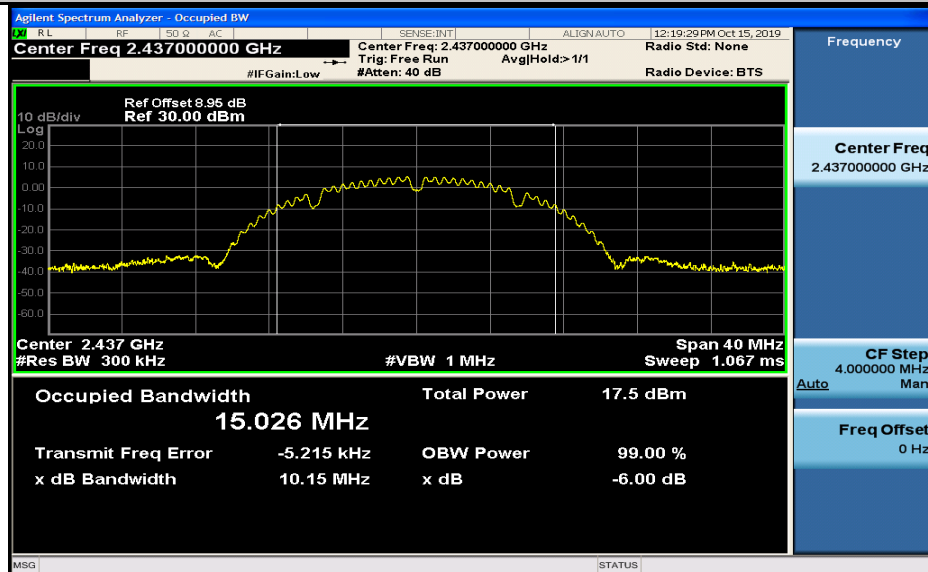
## 2.Occupied Bandwidth

| Test Mode | Test Channel | Ant  | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|------|----------|------------|---------|
| 11B       | 2412         | Ant1 | 15.06    | ---        | PASS    |
| 11B       | 2437         | Ant1 | 15.03    | ---        | PASS    |
| 11B       | 2462         | Ant1 | 14.99    | ---        | PASS    |
| 11G       | 2412         | Ant1 | 16.84    | ---        | PASS    |
| 11G       | 2437         | Ant1 | 16.80    | ---        | PASS    |
| 11G       | 2462         | Ant1 | 16.80    | ---        | PASS    |
| 11N20SISO | 2412         | Ant1 | 17.94    | ---        | PASS    |
| 11N20SISO | 2437         | Ant1 | 17.91    | ---        | PASS    |
| 11N20SISO | 2462         | Ant1 | 17.88    | ---        | PASS    |
| 11N40SISO | 2422         | Ant1 | 36.18    | ---        | PASS    |
| 11N40SISO | 2437         | Ant1 | 36.16    | ---        | PASS    |
| 11N40SISO | 2452         | Ant1 | 36.12    | ---        | PASS    |

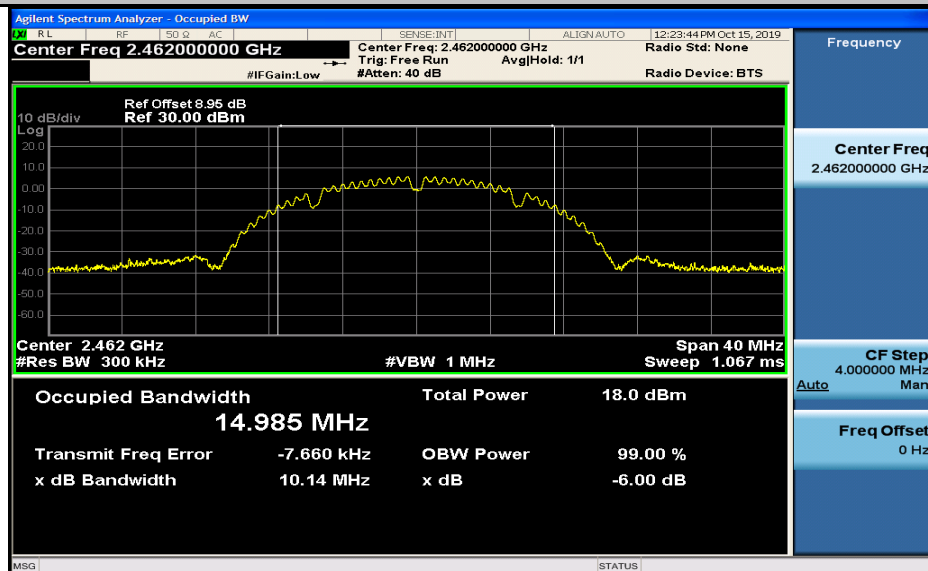
### Occupied Bandwidth\_11B\_2412



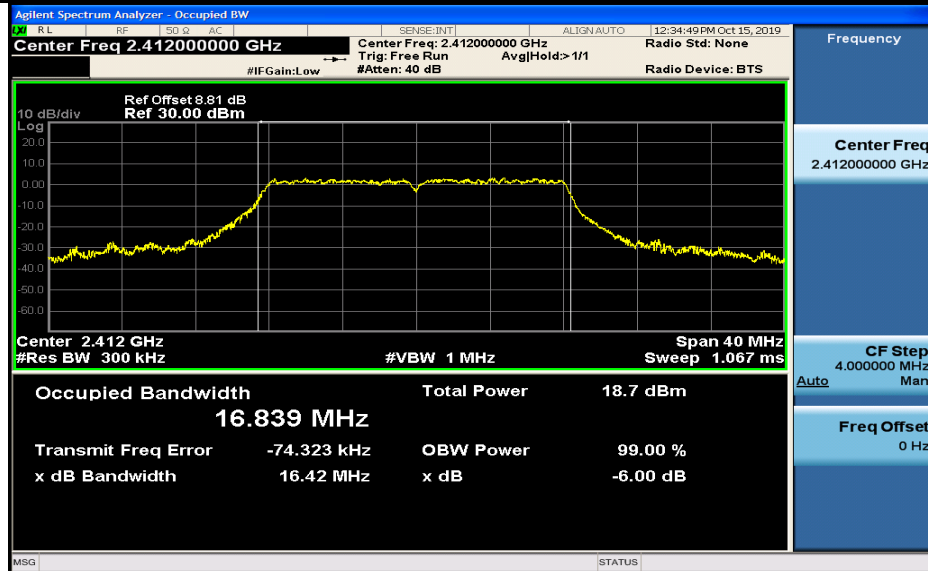
### Occupied Bandwidth\_11B\_2437



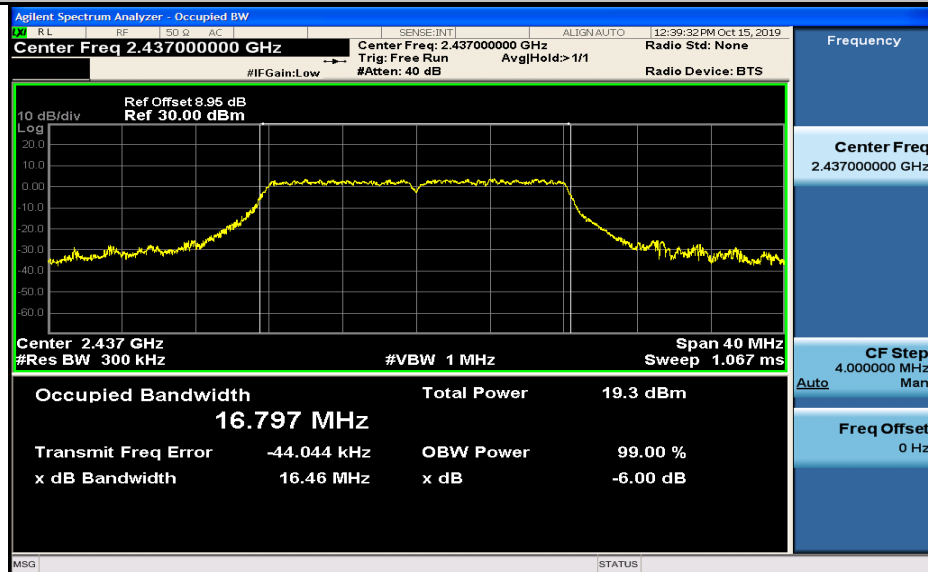
### Occupied Bandwidth\_11B\_2462



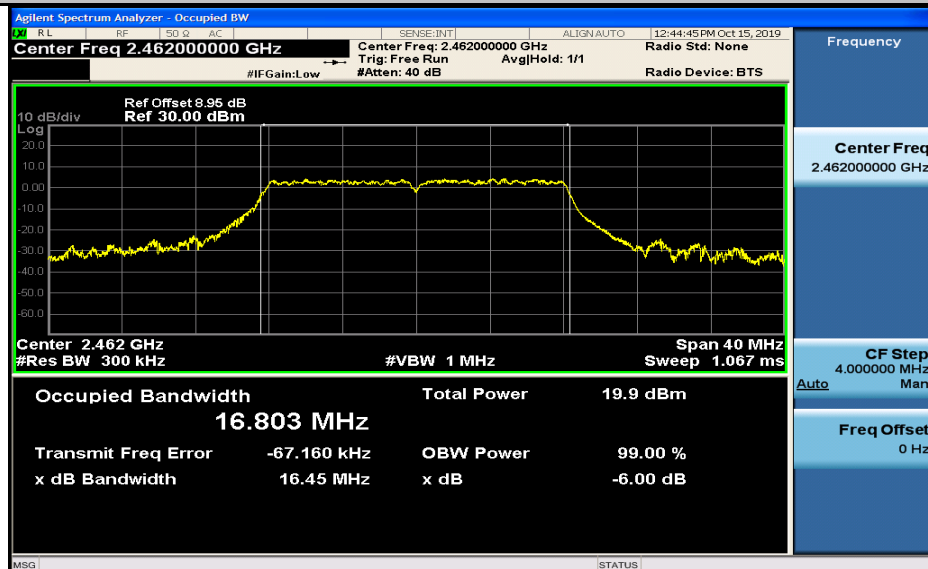
### Occupied Bandwidth\_11G\_2412



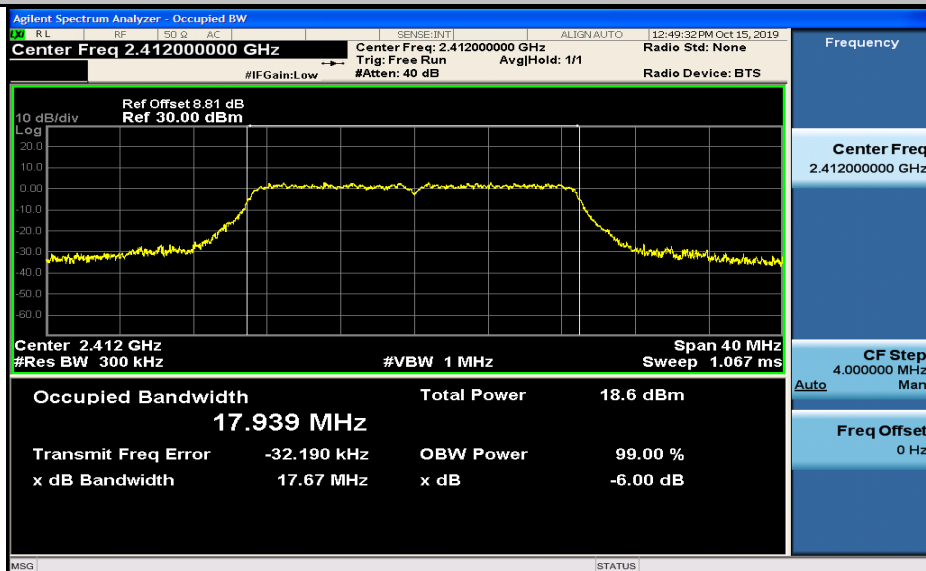
### Occupied Bandwidth\_11G\_2437



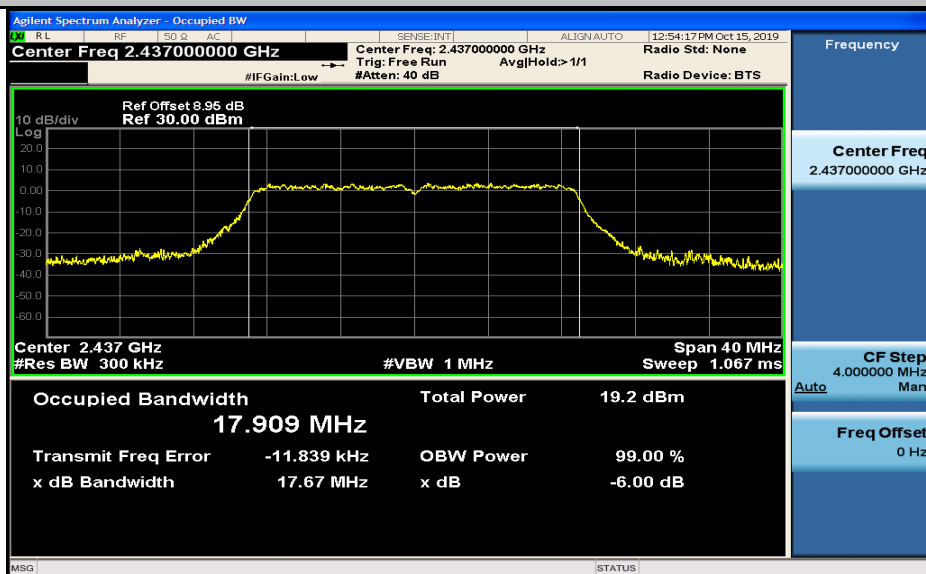
### Occupied Bandwidth\_11G\_2462



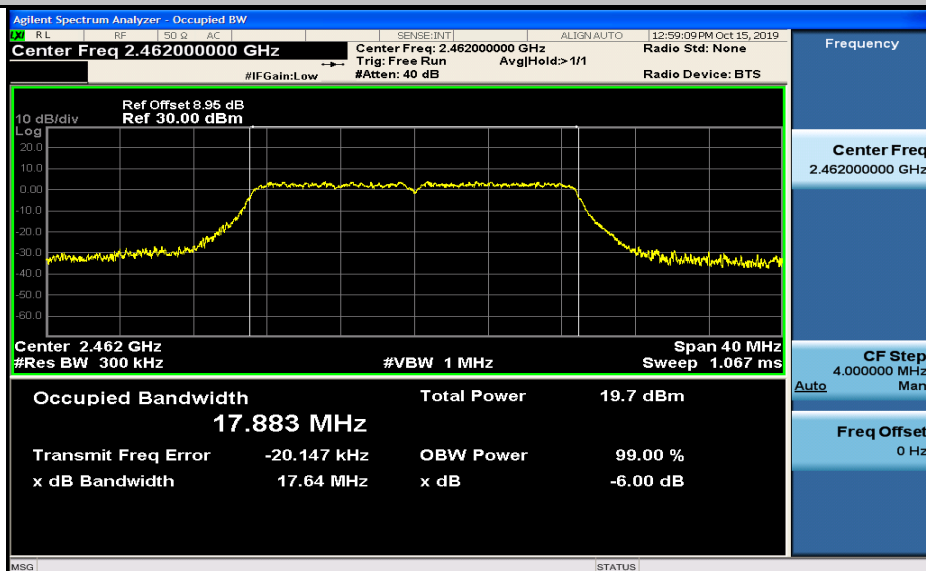
### Occupied Bandwidth\_11N20SISO\_2412



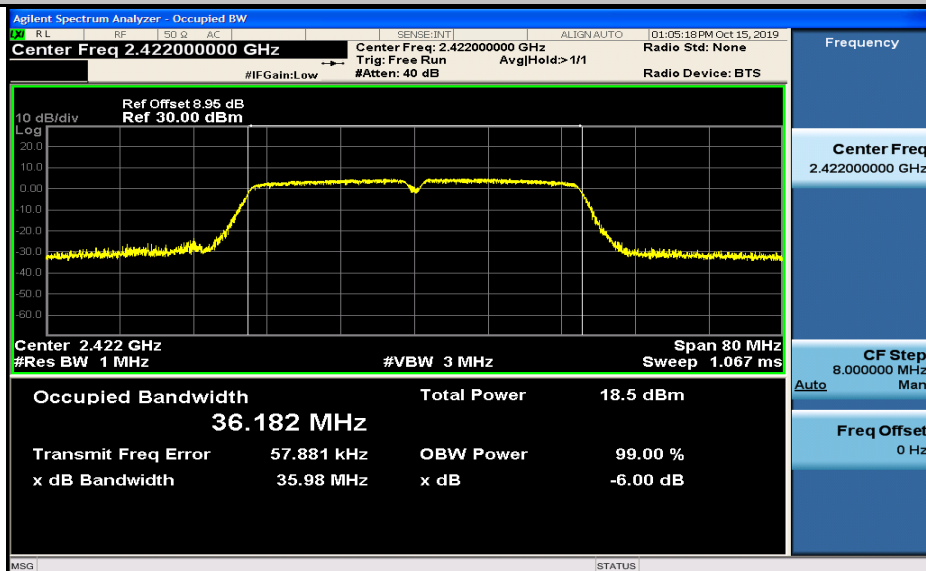
### Occupied Bandwidth\_11N20SISO\_2437



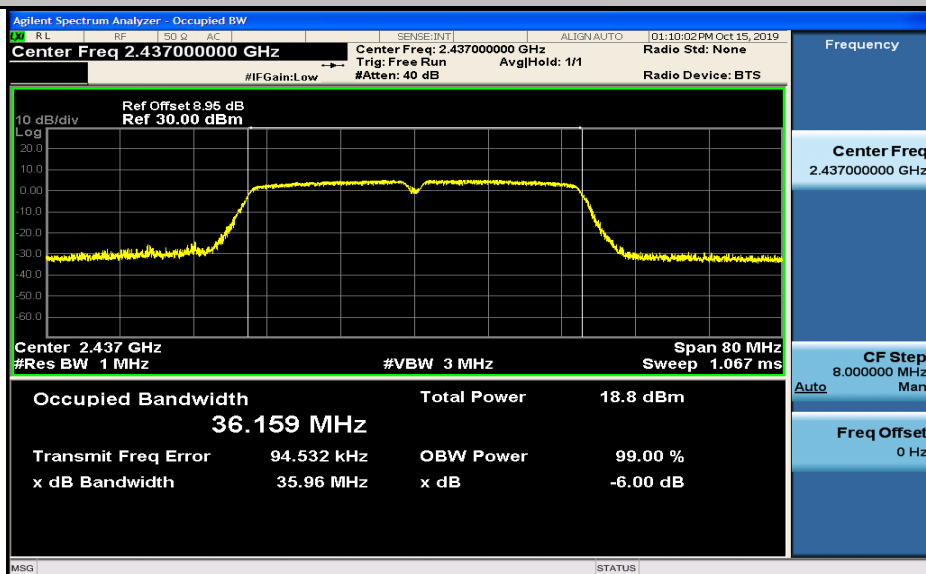
### Occupied Bandwidth\_11N20SISO\_2462



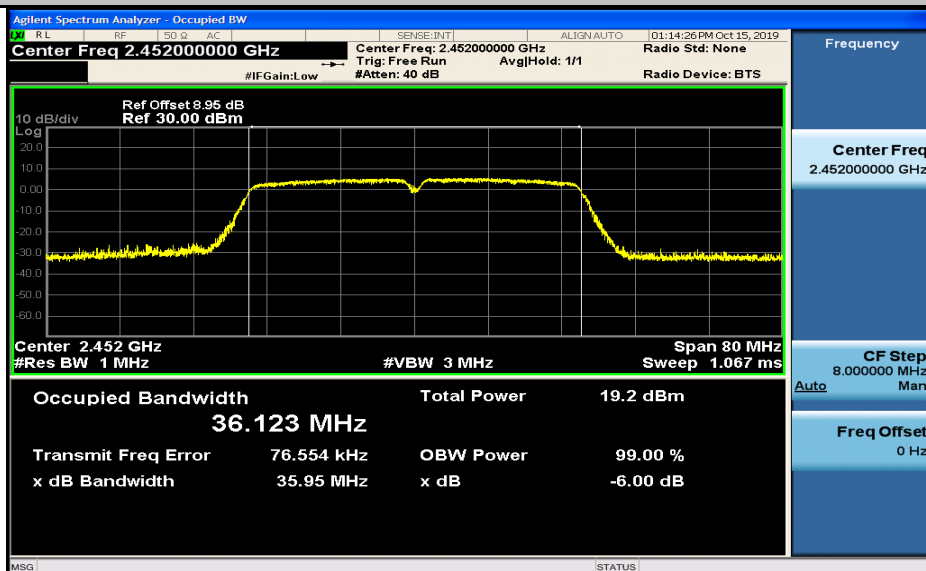
### Occupied Bandwidth\_11N40SISO\_2422



### Occupied Bandwidth\_11N40SISO\_2437



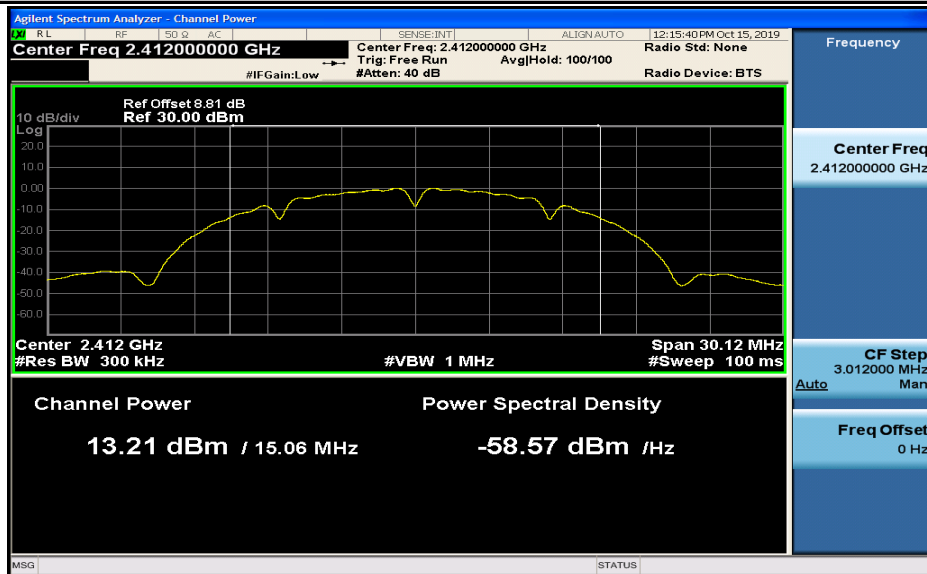
### Occupied Bandwidth\_11N40SISO\_2452



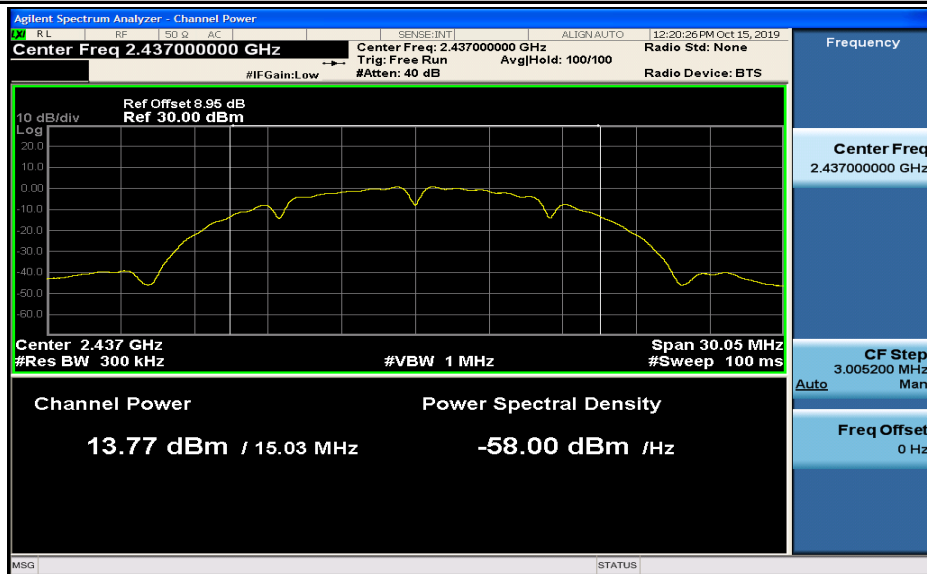
**3.Maximum conducted (average) output power**

| Test Mode | Test Channel | Ant  | Level [dBm] | 10log(1/x) Factor[dB] | Power [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|-------------|-----------------------|-------------|-------------|---------|
| 11B       | 2412         | Ant1 | 13.21       | 0.00                  | 13.21       | 30          | PASS    |
| 11B       | 2437         | Ant1 | 13.77       | 0.00                  | 13.77       | 30          | PASS    |
| 11B       | 2462         | Ant1 | 14.24       | 0.00                  | 14.24       | 30          | PASS    |
| 11G       | 2412         | Ant1 | 12.36       | 0.00                  | 12.36       | 30          | PASS    |
| 11G       | 2437         | Ant1 | 12.96       | 0.00                  | 12.96       | 30          | PASS    |
| 11G       | 2462         | Ant1 | 13.49       | 0.00                  | 13.49       | 30          | PASS    |
| 11N20SISO | 2412         | Ant1 | 12.28       | 0.00                  | 12.28       | 30          | PASS    |
| 11N20SISO | 2437         | Ant1 | 12.92       | 0.00                  | 12.92       | 30          | PASS    |
| 11N20SISO | 2462         | Ant1 | 13.45       | 0.00                  | 13.45       | 30          | PASS    |
| 11N40SISO | 2422         | Ant1 | 11.26       | 0.00                  | 11.26       | 30          | PASS    |
| 11N40SISO | 2437         | Ant1 | 11.57       | 0.00                  | 11.57       | 30          | PASS    |
| 11N40SISO | 2452         | Ant1 | 11.91       | 0.00                  | 11.91       | 30          | PASS    |

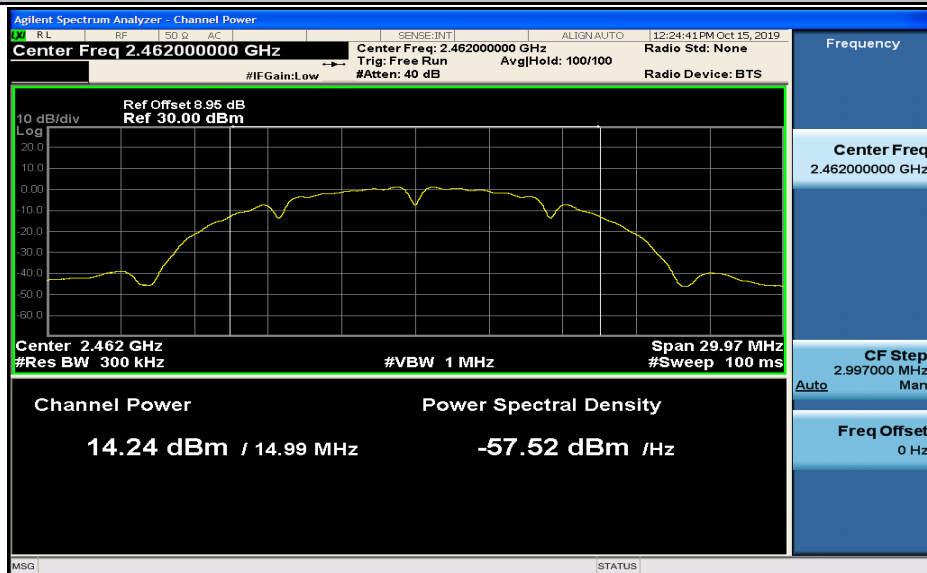
Maximum conducted (average) output power\_11B\_2412\_Ant1



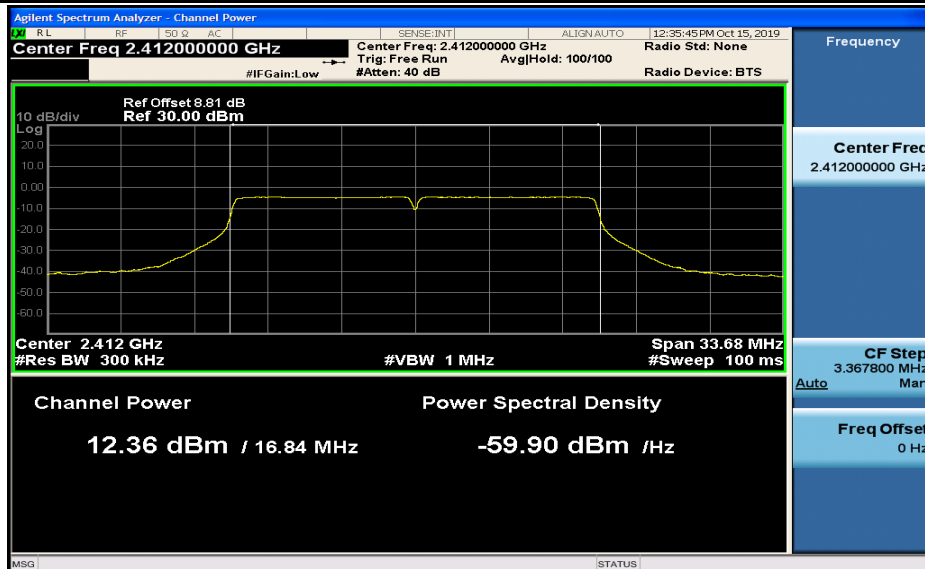
Maximum conducted (average) output power\_11B\_2437\_Ant1



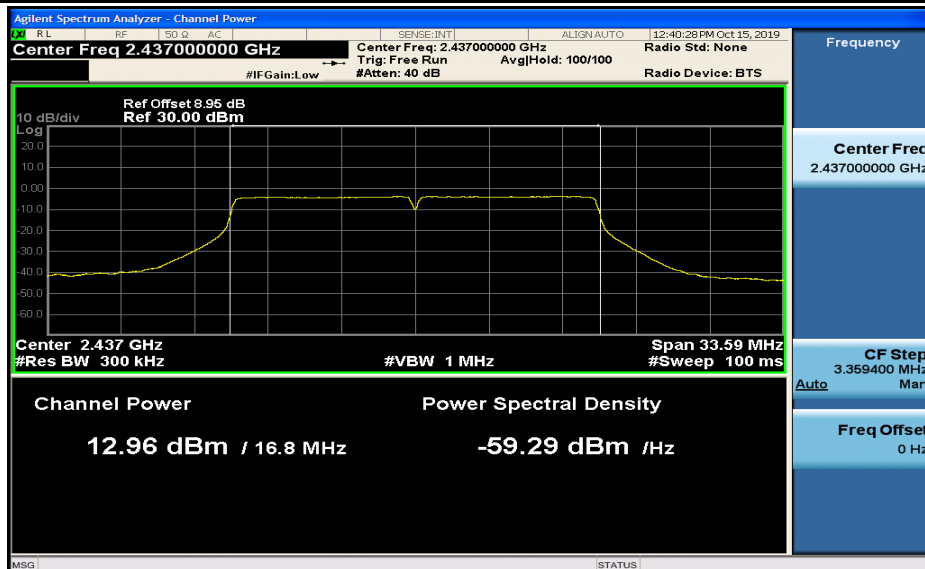
Maximum conducted (average) output power\_11B\_2462\_Ant1



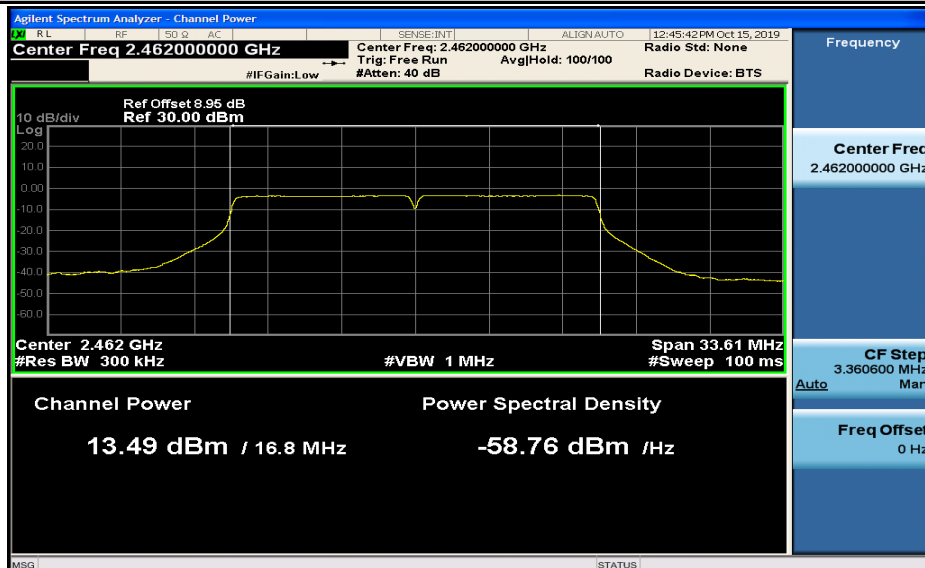
Maximum conducted (average) output power\_11G\_2412\_Ant1



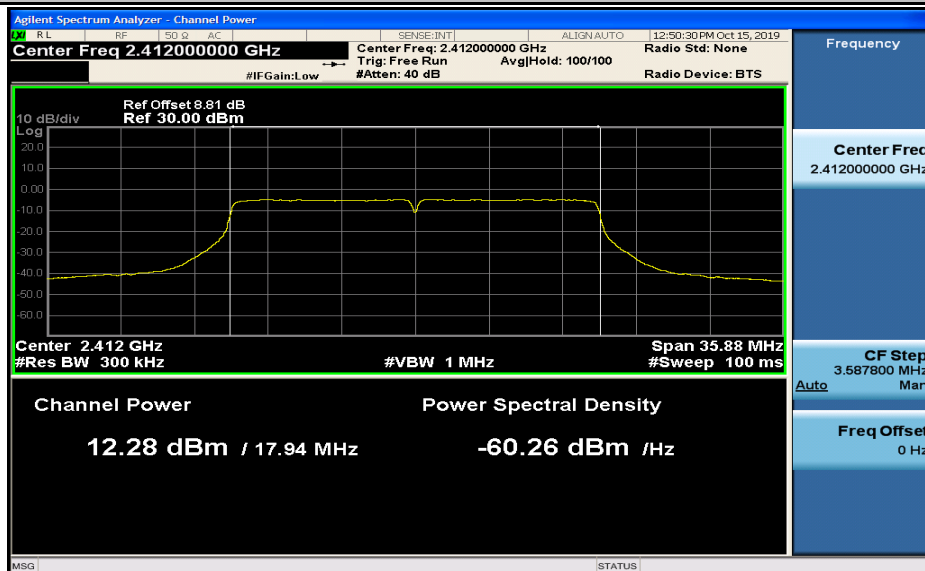
Maximum conducted (average) output power\_11G\_2437\_Ant1



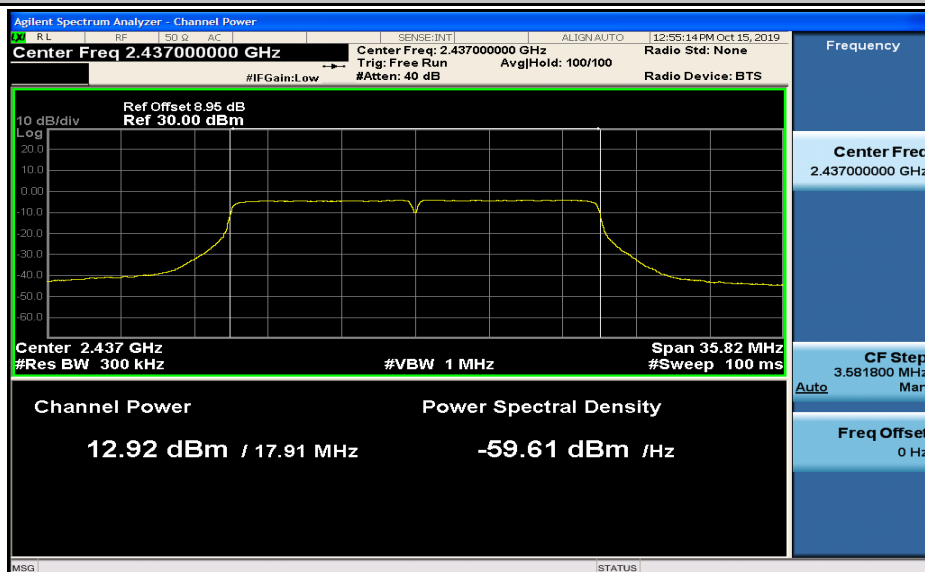
Maximum conducted (average) output power\_11G\_2462\_Ant1



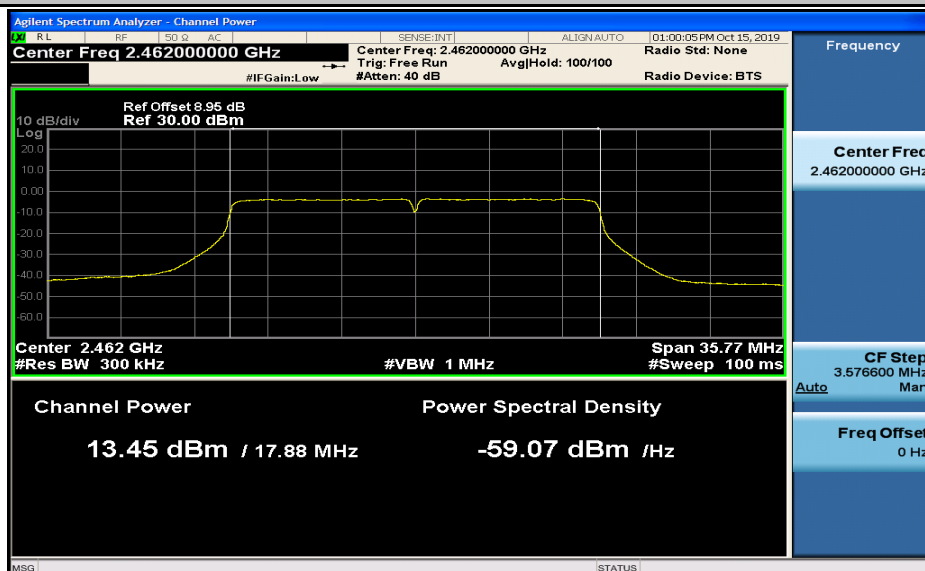
Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



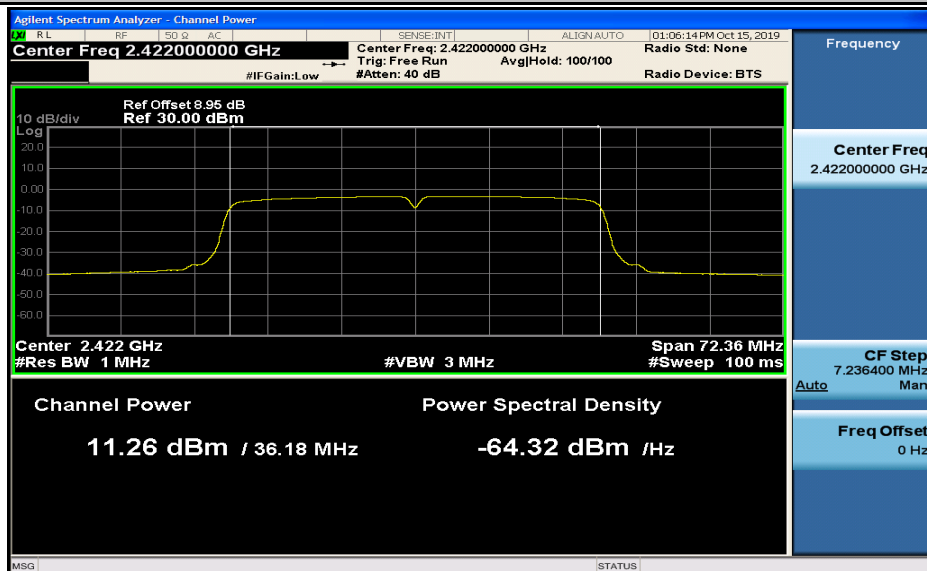
Maximum conducted (average) output power\_11N20SISO\_2437\_Ant1



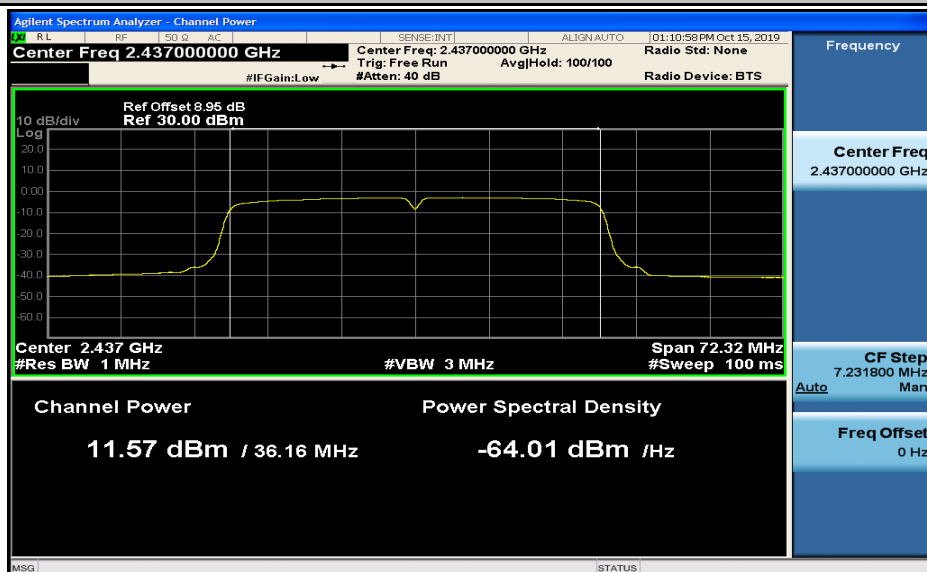
Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1



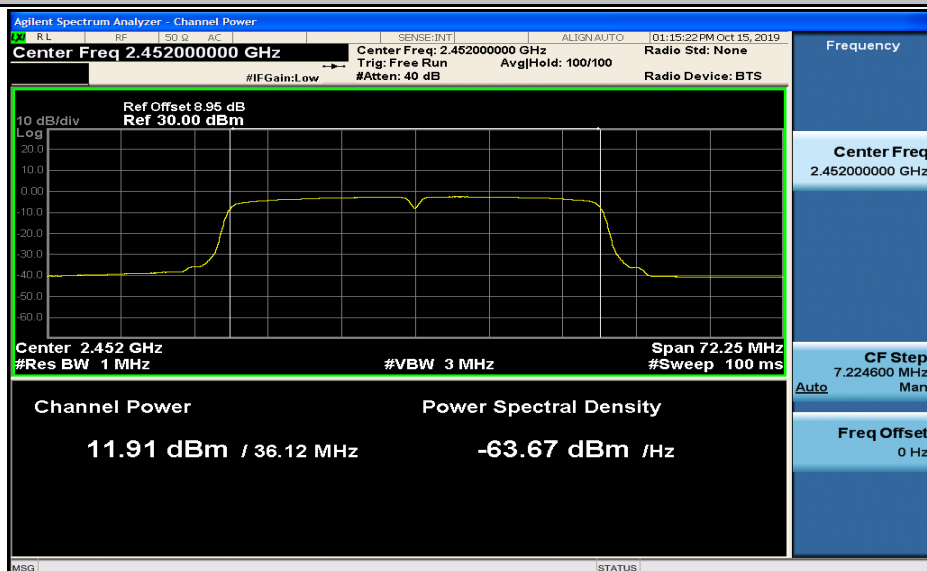
Maximum conducted (average) output power\_11N40SISO\_2422\_Ant1



Maximum conducted (average) output power\_11N40SISO\_2437\_Ant1



Maximum conducted (average) output power\_11N40SISO\_2452\_Ant1



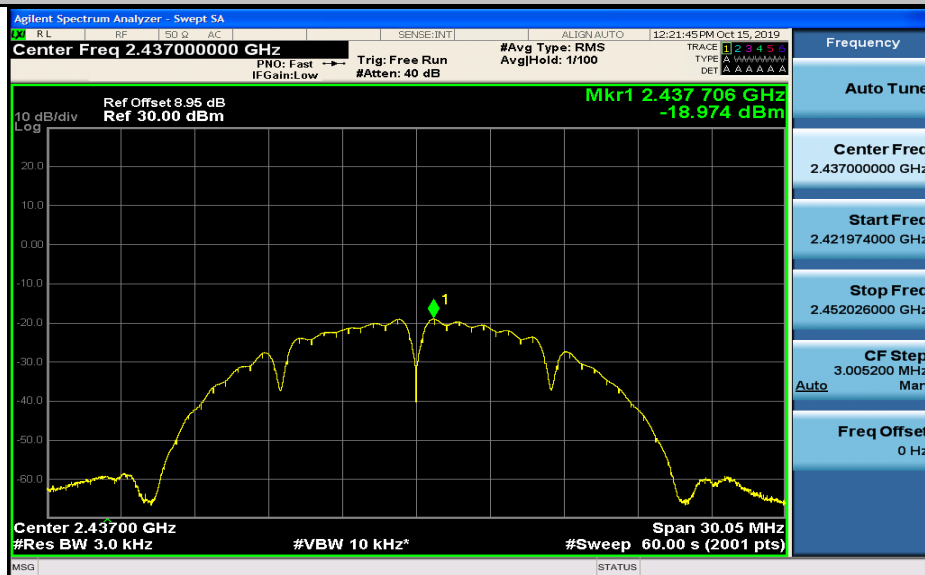
#### 4.Maximum(average) power spectral density

| Test Mode | Test Channel | Ant  | Level [dBm/3kHz] | 10log(1/x) Factor[dB] | PSD[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|--------------|------|------------------|-----------------------|---------------|-----------------|---------|
| 11B       | 2412         | Ant1 | -19.58           | 0.00                  | -19.58        | 8.00            | PASS    |
| 11B       | 2437         | Ant1 | -18.97           | 0.00                  | -18.97        | 8.00            | PASS    |
| 11B       | 2462         | Ant1 | -18.52           | 0.00                  | -18.52        | 8.00            | PASS    |
| 11G       | 2412         | Ant1 | -22.35           | 0.00                  | -22.35        | 8.00            | PASS    |
| 11G       | 2437         | Ant1 | -21.77           | 0.00                  | -21.77        | 8.00            | PASS    |
| 11G       | 2462         | Ant1 | -21.19           | 0.00                  | -21.19        | 8.00            | PASS    |
| 11N20SISO | 2412         | Ant1 | -22.89           | 0.00                  | -22.89        | 8.00            | PASS    |
| 11N20SISO | 2437         | Ant1 | -22.06           | 0.00                  | -22.06        | 8.00            | PASS    |
| 11N20SISO | 2462         | Ant1 | -21.38           | 0.00                  | -21.38        | 8.00            | PASS    |
| 11N40SISO | 2422         | Ant1 | -26.81           | 0.00                  | -26.81        | 8.00            | PASS    |
| 11N40SISO | 2437         | Ant1 | -26.40           | 0.00                  | -26.40        | 8.00            | PASS    |
| 11N40SISO | 2452         | Ant1 | -26.05           | 0.00                  | -26.05        | 8.00            | PASS    |

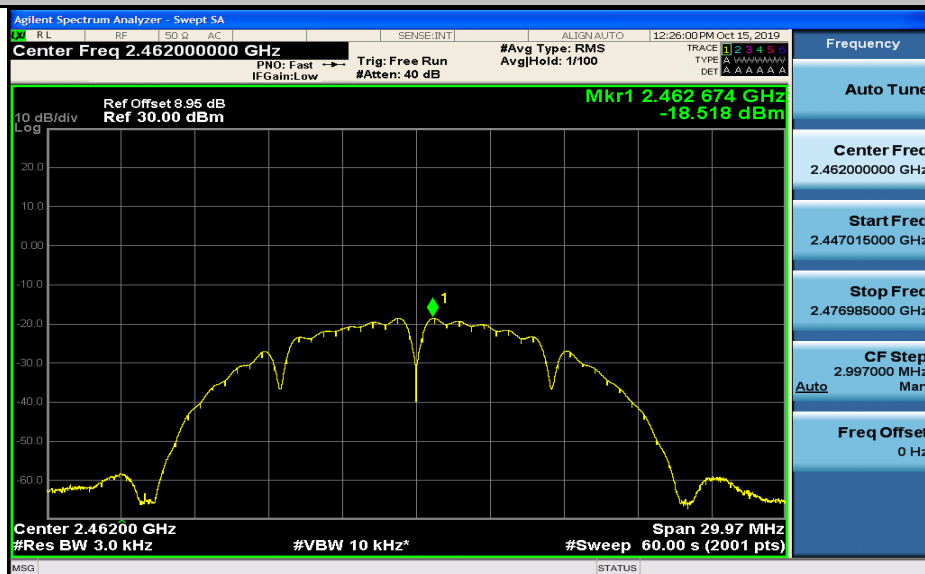
Maximum(average) power spectral density\_11B\_2412\_Ant1



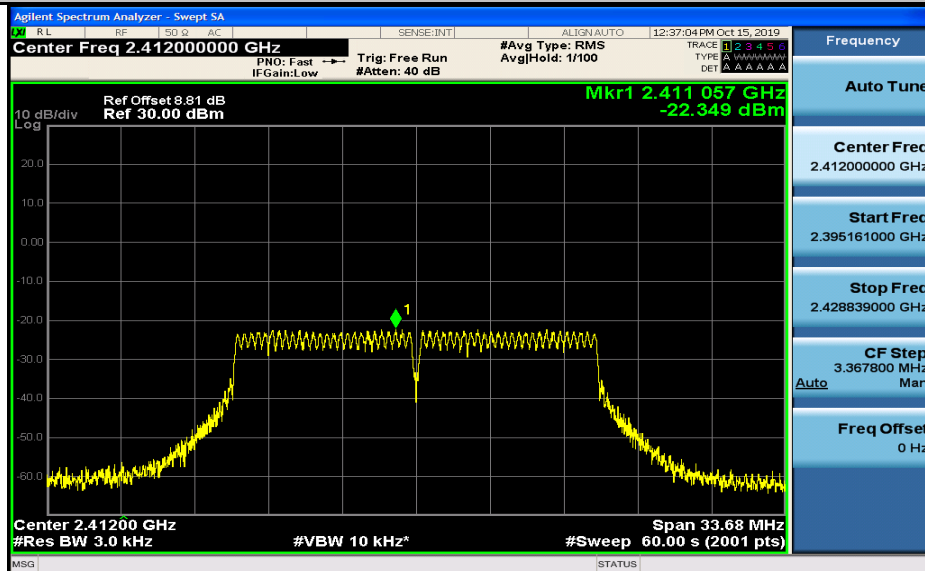
Maximum(average) power spectral density\_11B\_2437\_Ant1



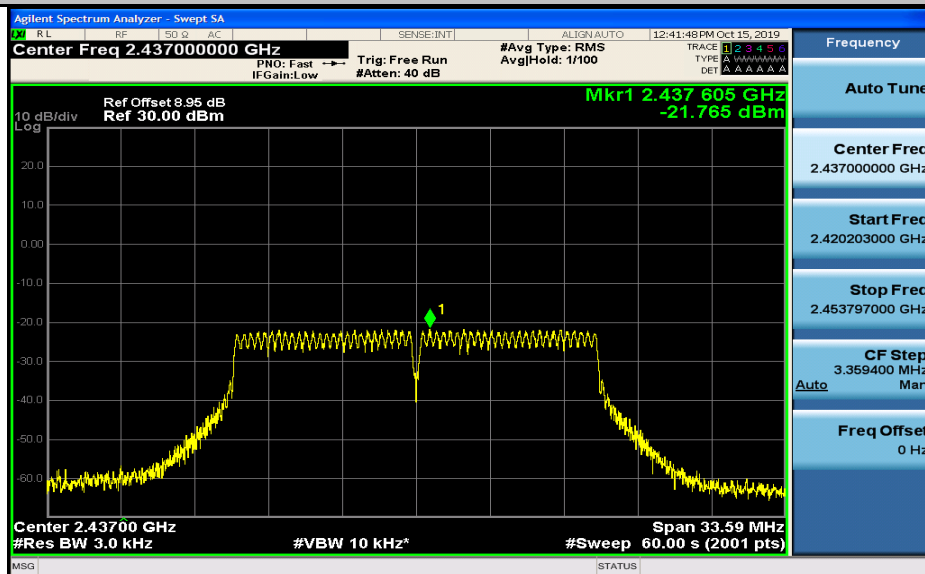
Maximum(average) power spectral density\_11B\_2462\_Ant1



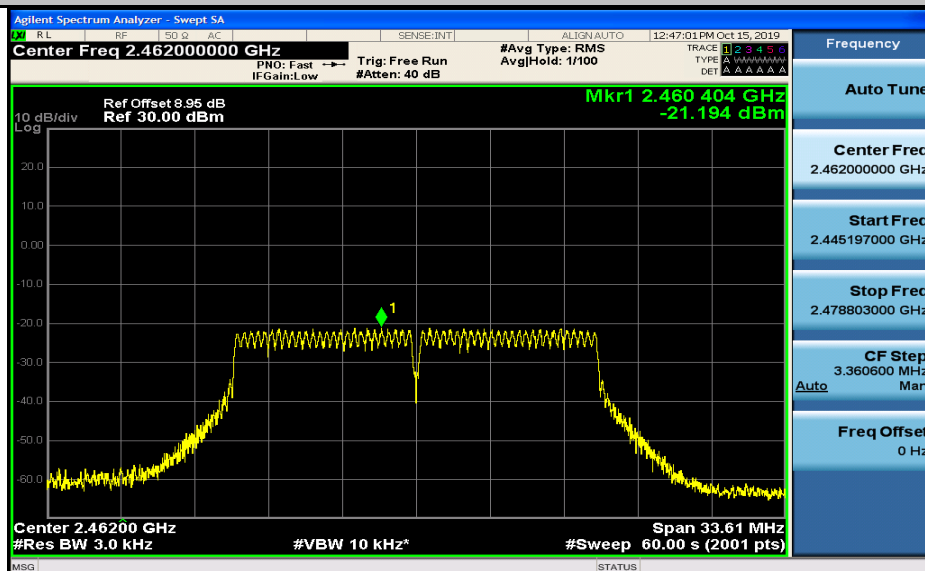
Maximum(average) power spectral density\_11G\_2412\_Ant1



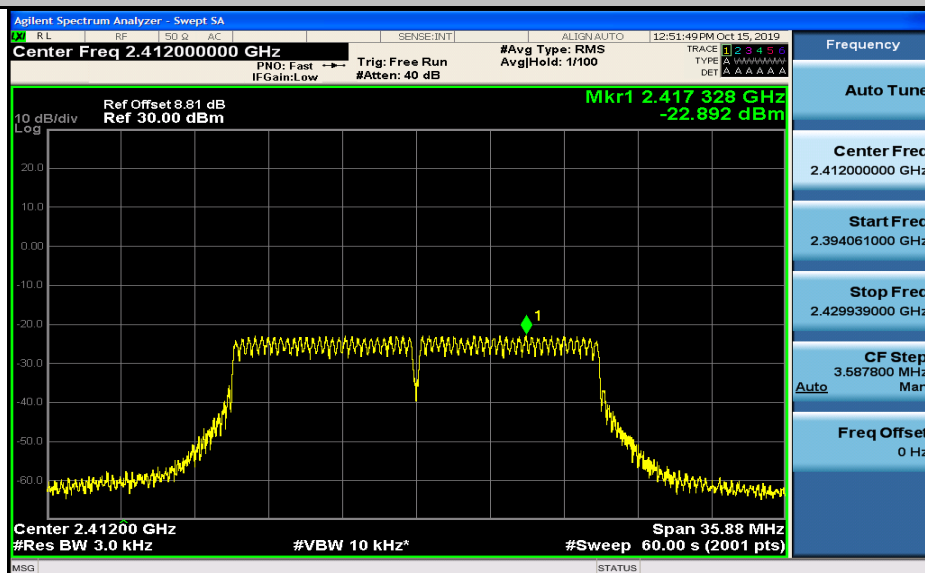
Maximum(average) power spectral density\_11G\_2437\_Ant1



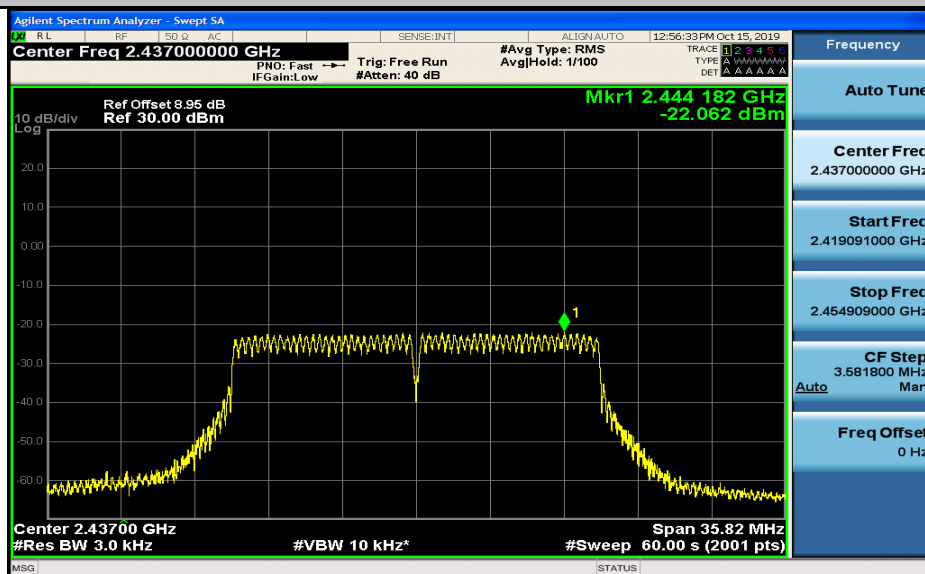
Maximum(average) power spectral density\_11G\_2462\_Ant1



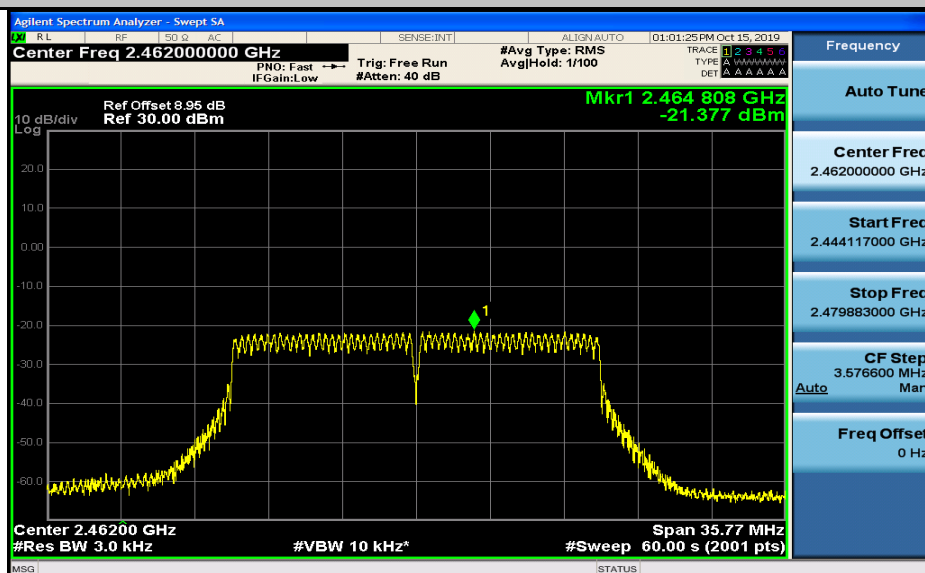
Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



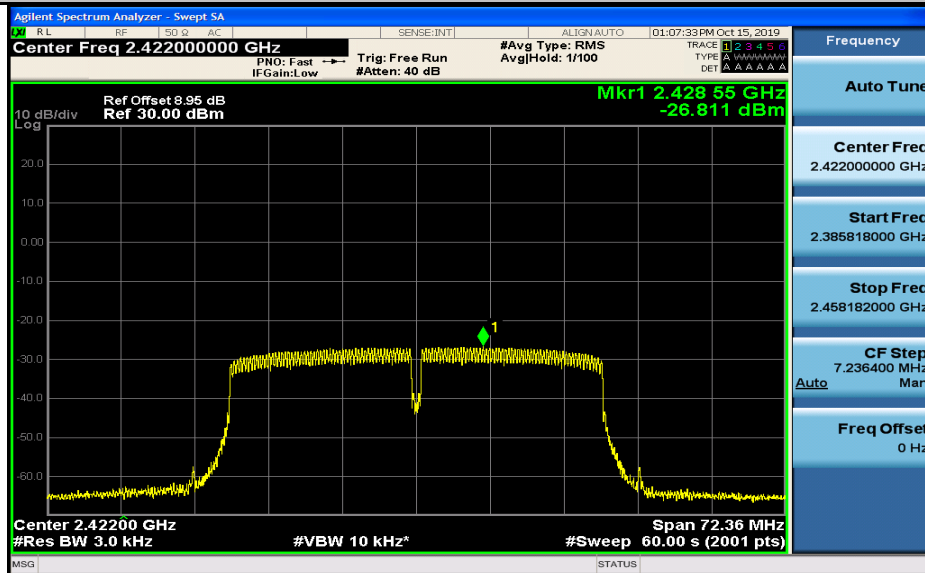
Maximum(average) power spectral density\_11N20SISO\_2437\_Ant1



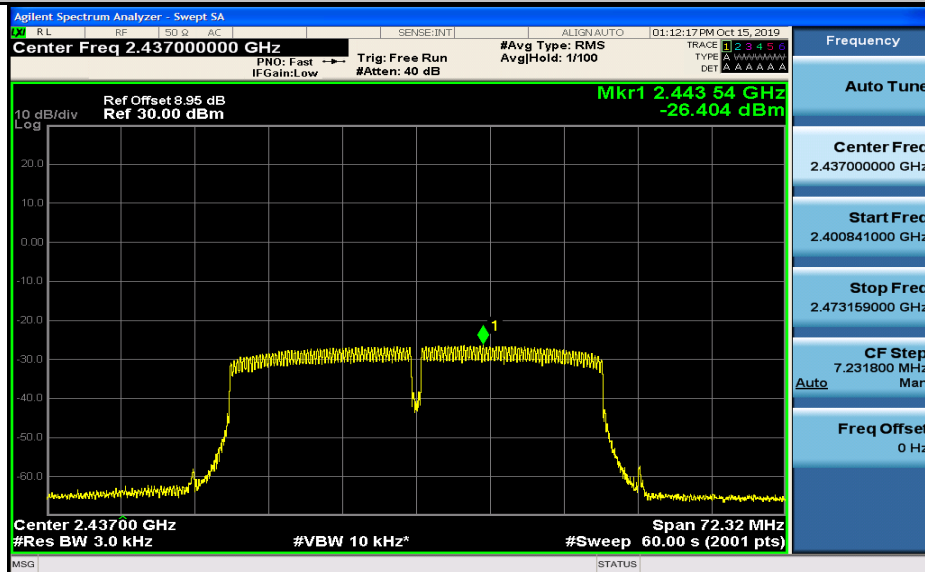
Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1



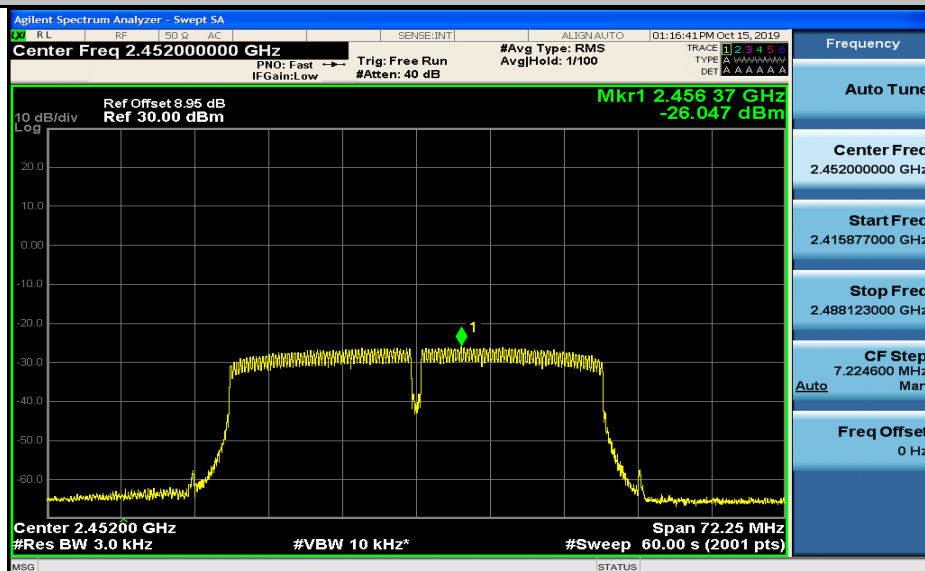
Maximum(average) power spectral density\_11N40SISO\_2422\_Ant1



Maximum(average) power spectral density\_11N40SISO\_2437\_Ant1



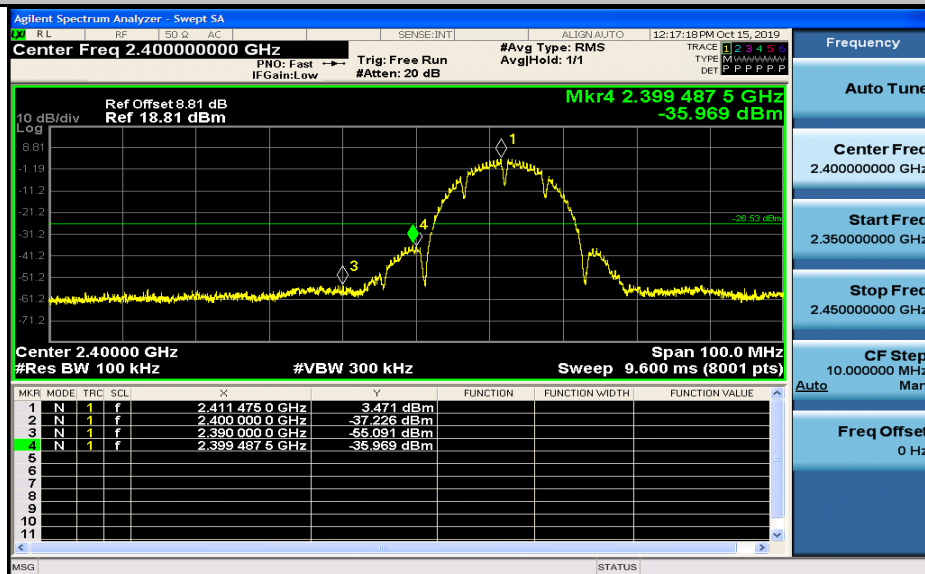
Maximum(average) power spectral density\_11N40SISO\_2452\_Ant1



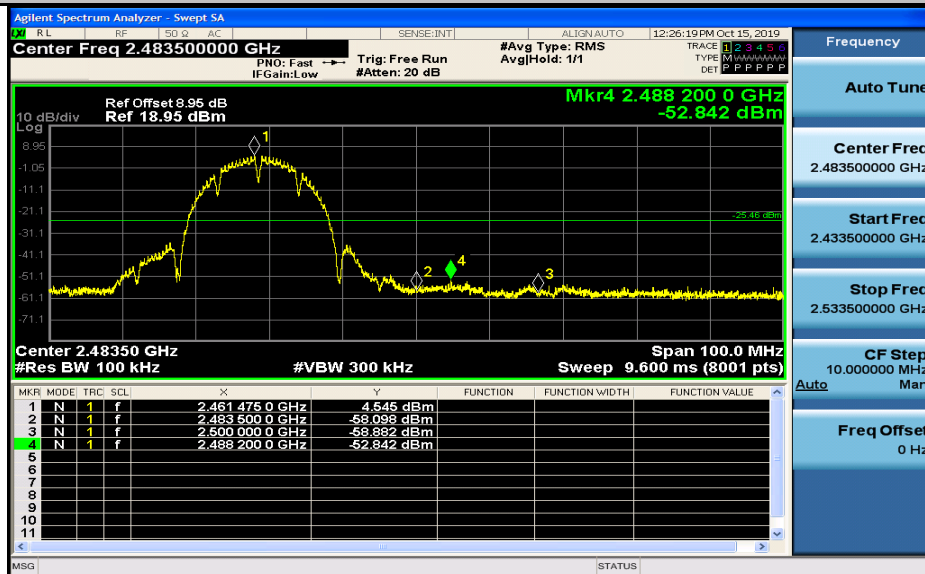
**5.Band-edge for RF Conducted Emissions**

| Test Mode | Test Channel | Ant  | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|--------------------|---------------------------|-------------|---------|
| 11B       | 2412         | Ant1 | 3.47               | -35.97                    | -26.53      | PASS    |
| 11B       | 2462         | Ant1 | 4.55               | -52.84                    | -25.46      | PASS    |
| 11G       | 2412         | Ant1 | -2.12              | -33.15                    | -32.12      | PASS    |
| 11G       | 2462         | Ant1 | -0.93              | -42.73                    | -30.93      | PASS    |
| 11N20SISO | 2412         | Ant1 | -2.07              | -33.31                    | -32.07      | PASS    |
| 11N20SISO | 2462         | Ant1 | -0.69              | -41.23                    | -30.69      | PASS    |
| 11N40SISO | 2422         | Ant1 | -5.68              | -38.85                    | -35.68      | PASS    |
| 11N40SISO | 2452         | Ant1 | -5.12              | -46.77                    | -35.12      | PASS    |

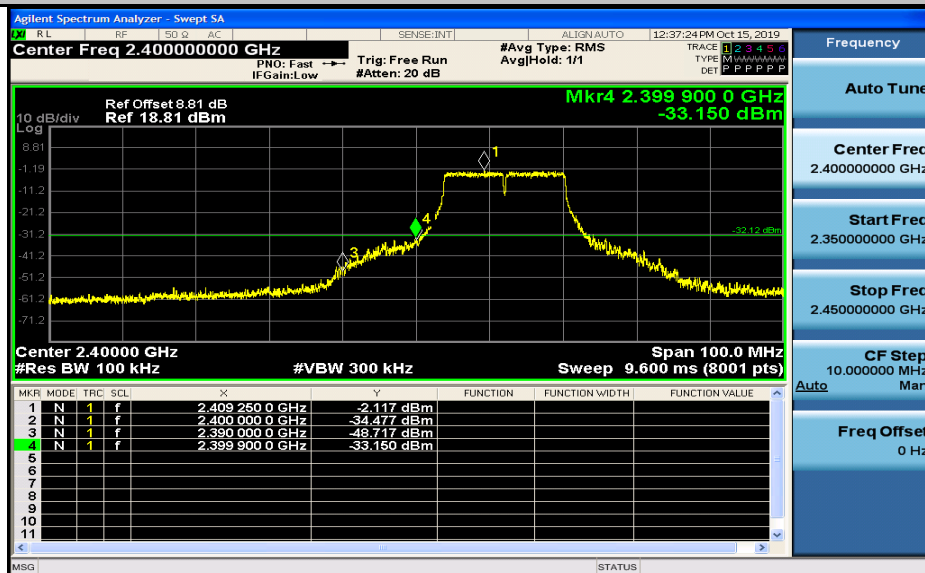
### Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



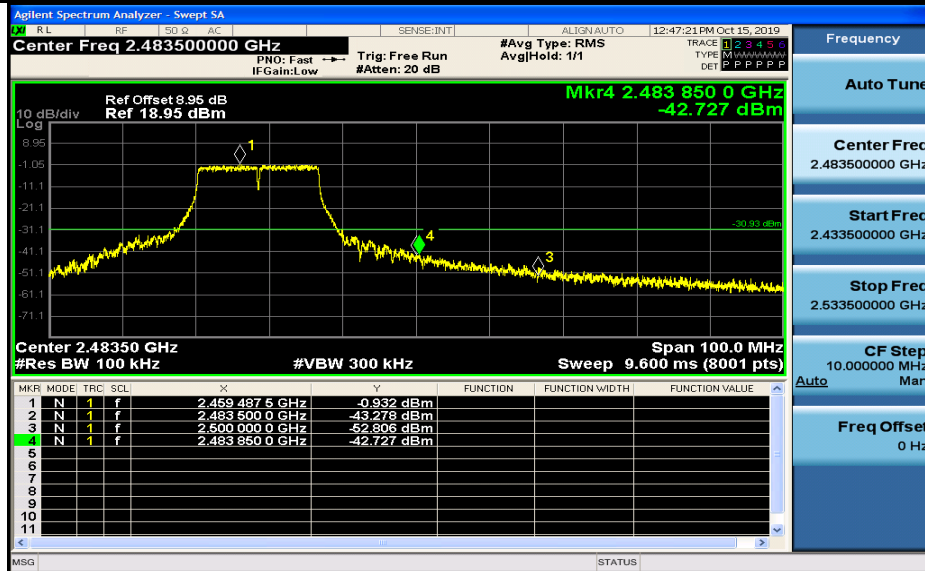
### Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



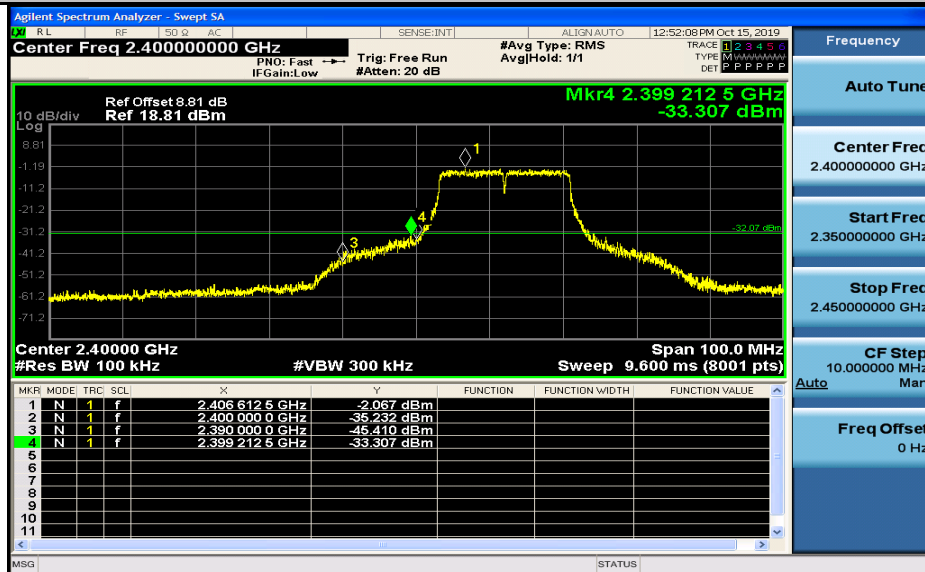
### Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



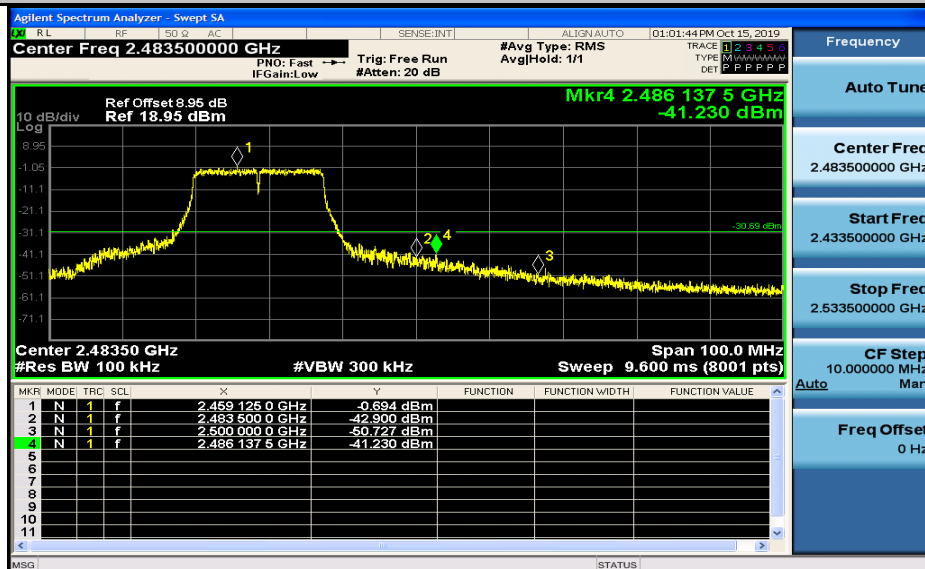
Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



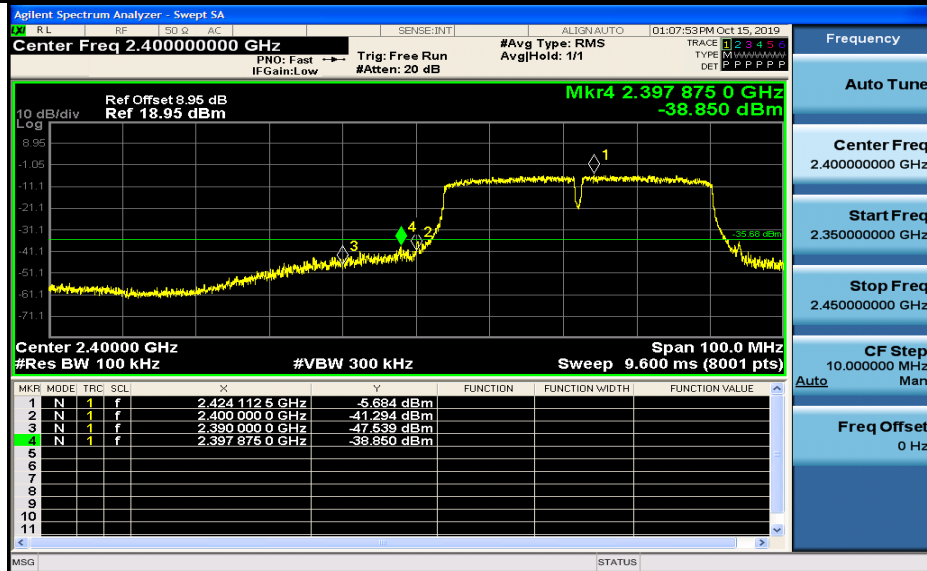
Band-edge for RF Conducted Emissions\_11N20SISO\_2412\_Ant1



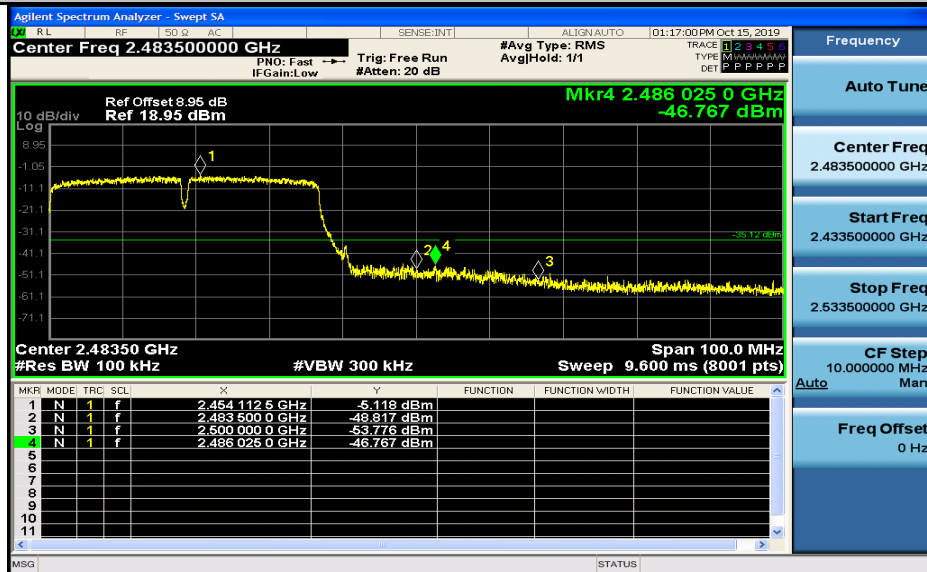
Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1



Band-edge for RF Conducted Emissions\_11N40SISO\_2422\_Ant1



Band-edge for RF Conducted Emissions\_11N40SISO\_2452\_Ant1



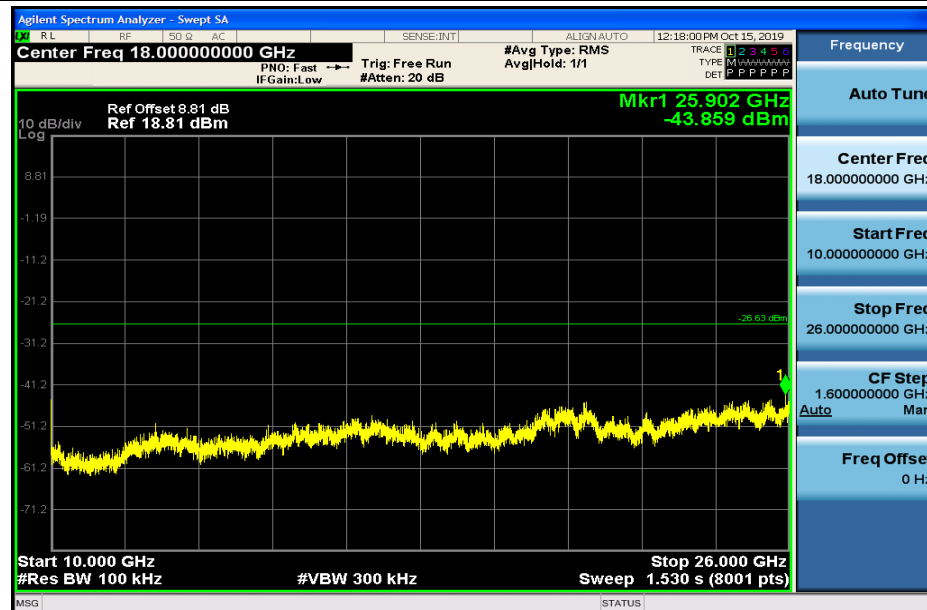
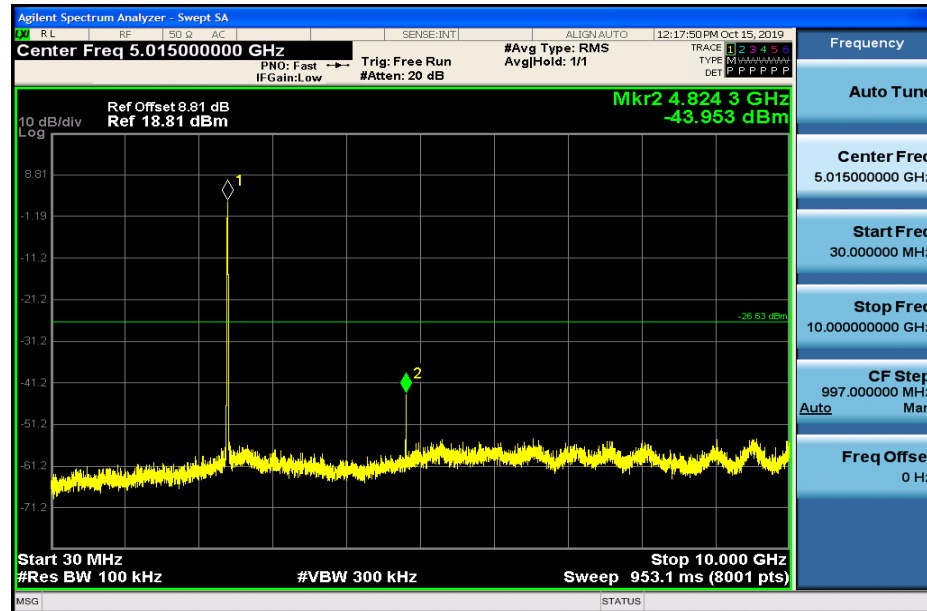
**6.RF Conducted Spurious Emissions**

| 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       | 3.37      | -43.95           | <-<br>26.63  | PASS    |
| 11B       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | 3.373     | -43.859          | <-<br>26.627 | PASS    |
| 11B       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 3.96      | -43.35           | <-<br>26.04  | PASS    |
| 11B       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 3.956     | -43.807          | <-<br>26.044 | PASS    |
| 11B       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 4.44      | -44.90           | <-<br>25.56  | PASS    |
| 11B       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 4.437     | -43.860          | <-<br>25.563 | PASS    |
| 11G       | 2412         | Ant1 | 30             | 10000         | 100       | 300       | -1.95     | -44.70           | <-<br>31.95  | PASS    |
| 11G       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | -1.951    | -44.405          | <-<br>31.951 | PASS    |
| 11G       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -1.26     | -44.93           | <-<br>31.26  | PASS    |
| 11G       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -1.26     | -43.968          | <-<br>31.26  | PASS    |
| 11G       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | -0.91     | -44.76           | <-<br>30.91  | PASS    |
| 11G       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | -0.911    | -42.310          | <-<br>30.911 | PASS    |
| 11N20SISO | 2412         | Ant1 | 30             | 10000         | 100       | 300       | -1.89     | -44.99           | <-<br>31.89  | PASS    |
| 11N20SISO | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | -1.892    | -44.342          | <-<br>31.892 | PASS    |
| 11N20SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -1.37     | -44.37           | <-<br>31.37  | PASS    |
| 11N20SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -1.372    | -43.737          | <-<br>31.372 | PASS    |
| 11N20SISO | 2462         | Ant1 | 30             | 10000         | 100       | 300       | -0.54     | -44.24           | <-<br>30.54  | PASS    |
| 11N20SISO | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | -0.535    | -43.634          | <-<br>30.535 | PASS    |
| 11N40SISO | 2422         | Ant1 | 30             | 10000         | 100       | 300       | -5.70     | -43.71           | <-<br>35.70  | PASS    |
| 11N40SISO | 2422         | Ant1 | 10000          | 26000         | 100       | 300       | -5.702    | -43.250          | <-<br>35.702 | PASS    |
| 11N40SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -5.54     | -45.43           | <-<br>35.54  | PASS    |
| 11N40SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -5.54     | -43.826          | <-<br>35.54  | PASS    |
| 11N40SISO | 2452         | Ant1 | 30             | 10000         | 100       | 300       | -5.09     | -44.03           | <-<br>35.09  | PASS    |

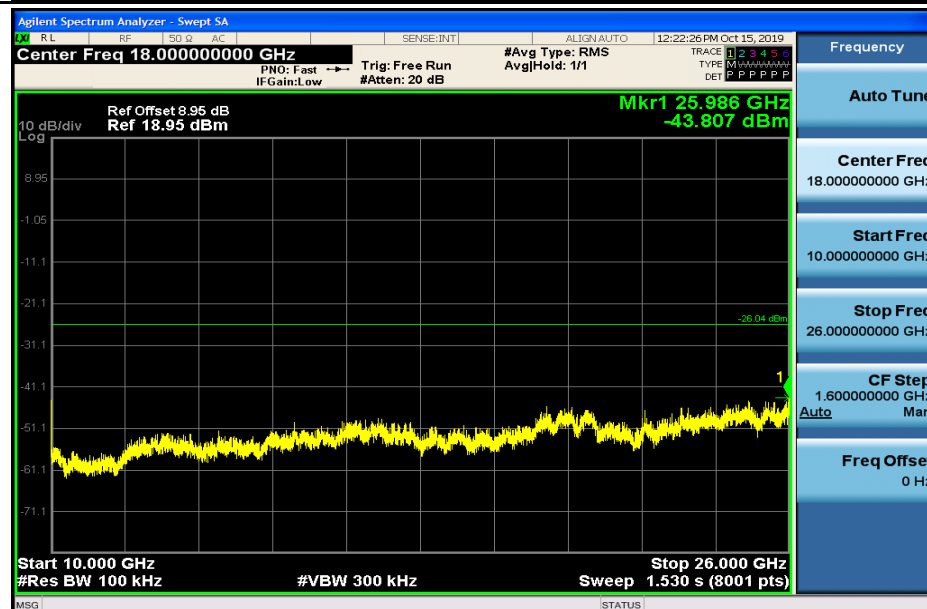
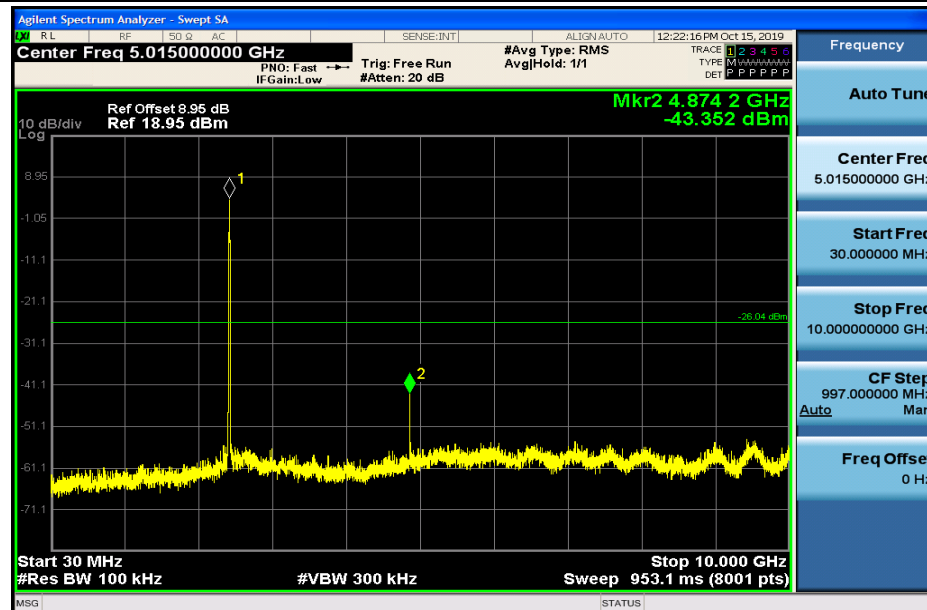
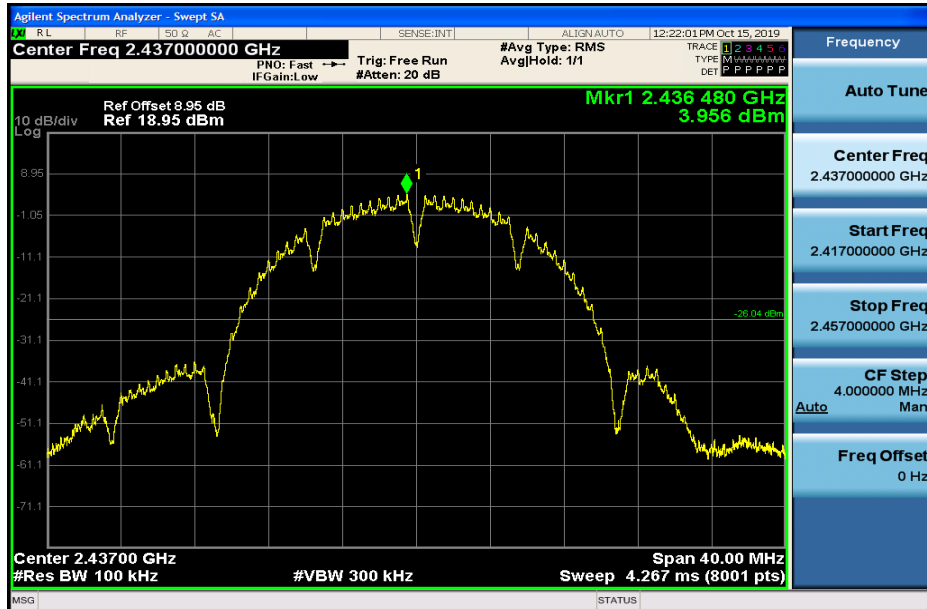


|           |      |      |       |       |     |     |        |         |              |      |
|-----------|------|------|-------|-------|-----|-----|--------|---------|--------------|------|
| 11N40SISO | 2452 | Ant1 | 10000 | 26000 | 100 | 300 | -5.091 | -43.838 | <-<br>35.091 | PASS |
|-----------|------|------|-------|-------|-----|-----|--------|---------|--------------|------|

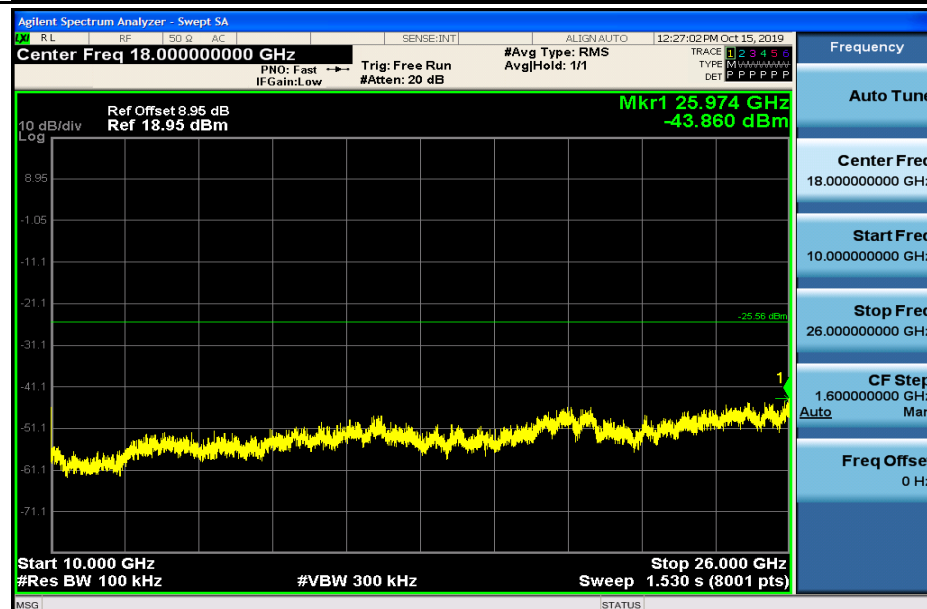
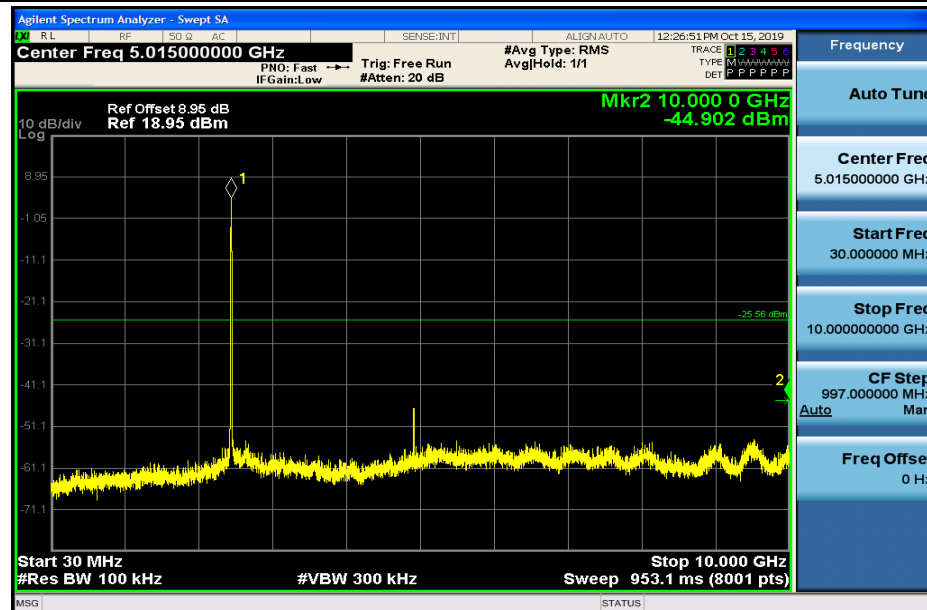
RF Conducted Spurious Emissions\_11B\_2412



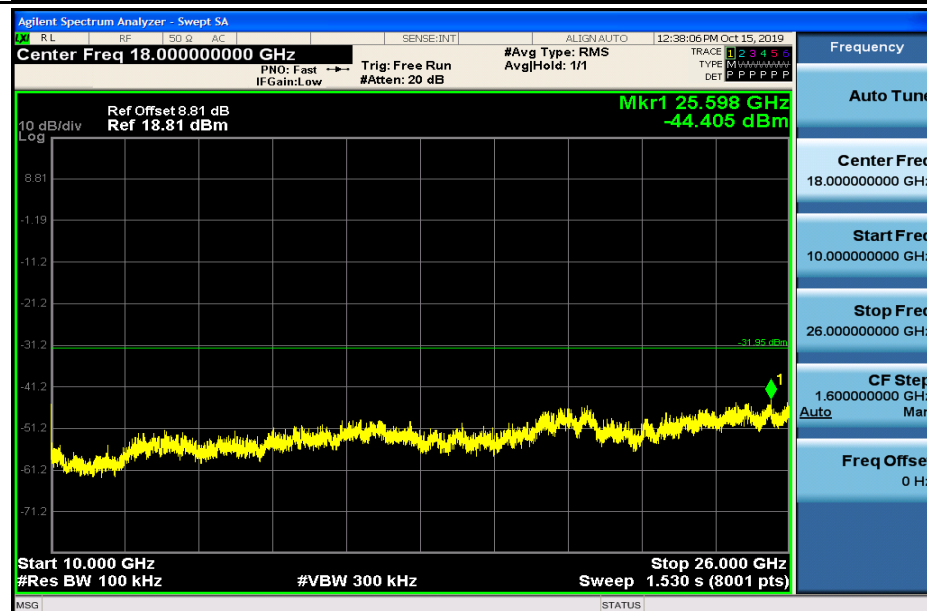
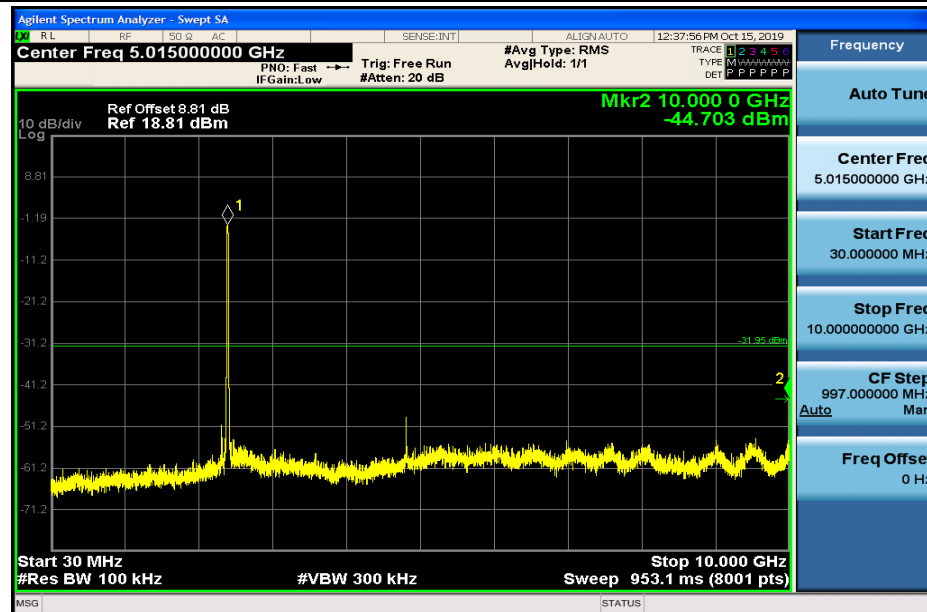
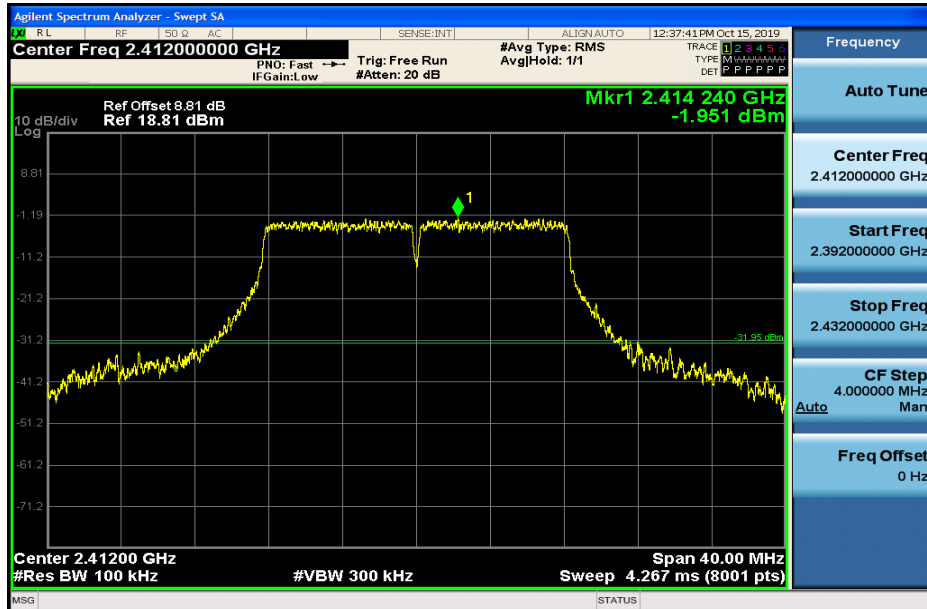
## RF Conducted Spurious Emissions\_11B\_2437



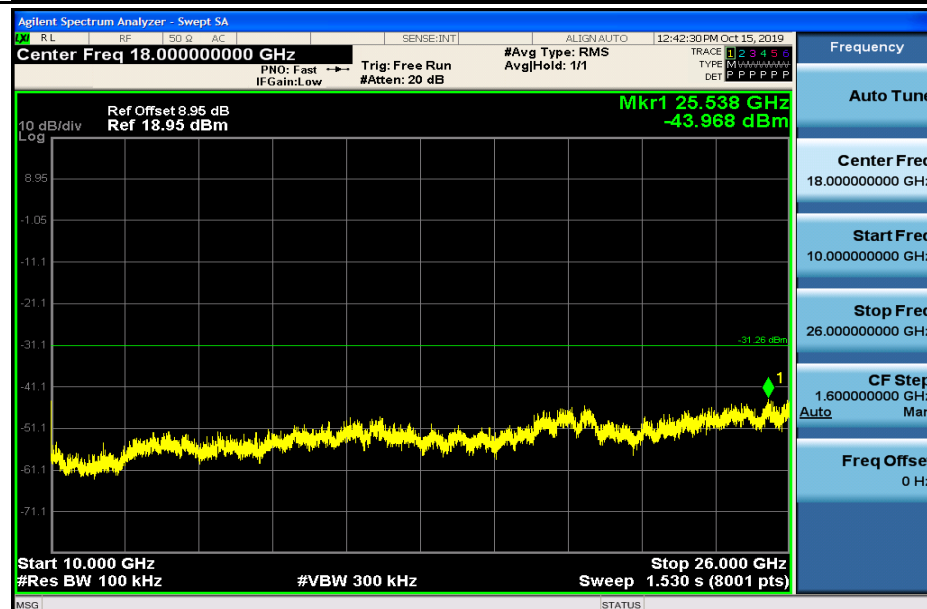
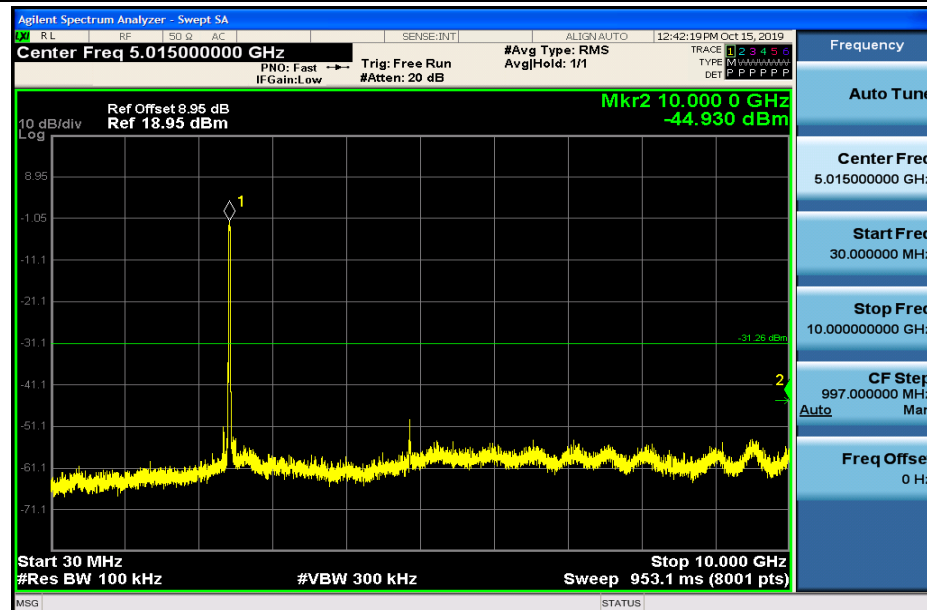
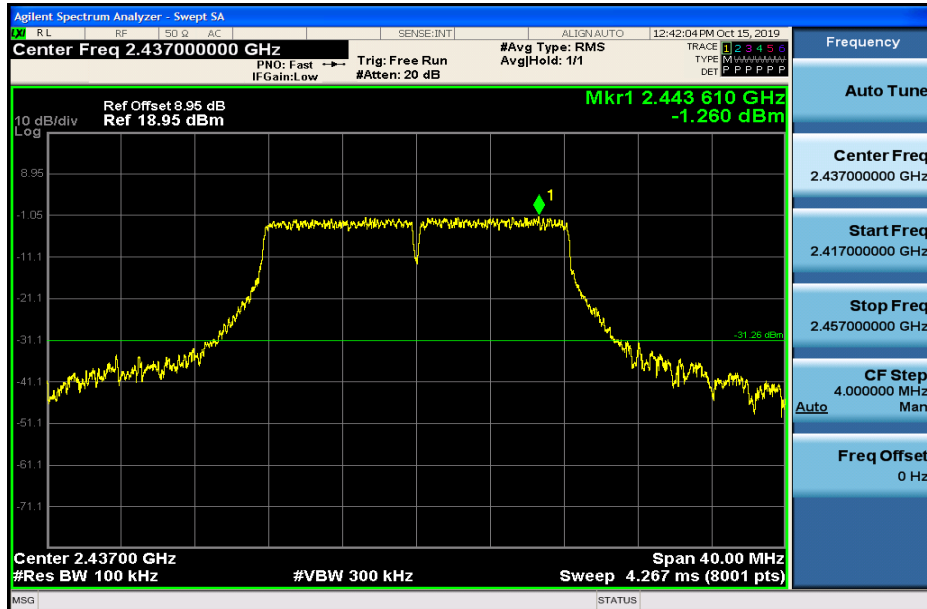
RF Conducted Spurious Emissions\_11B\_2462



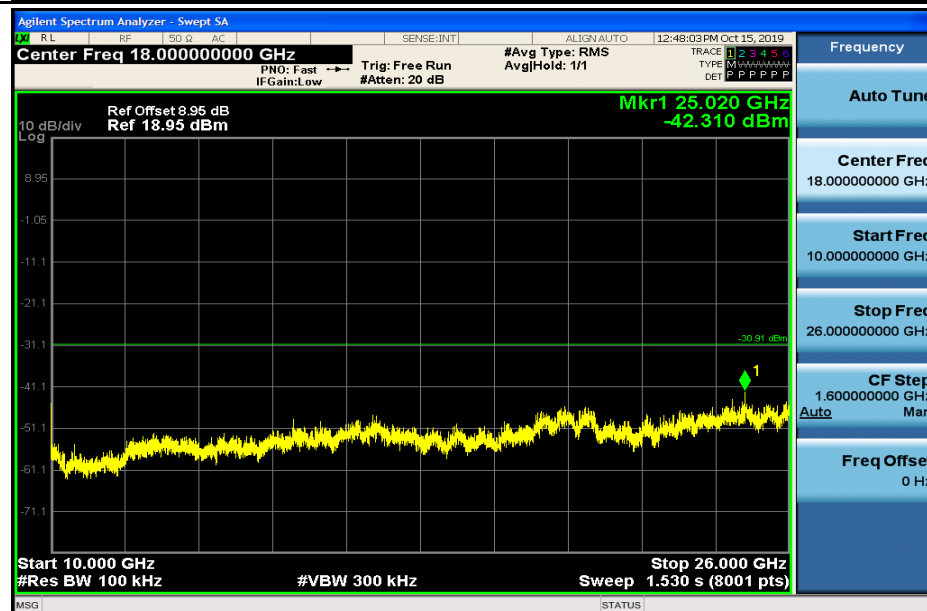
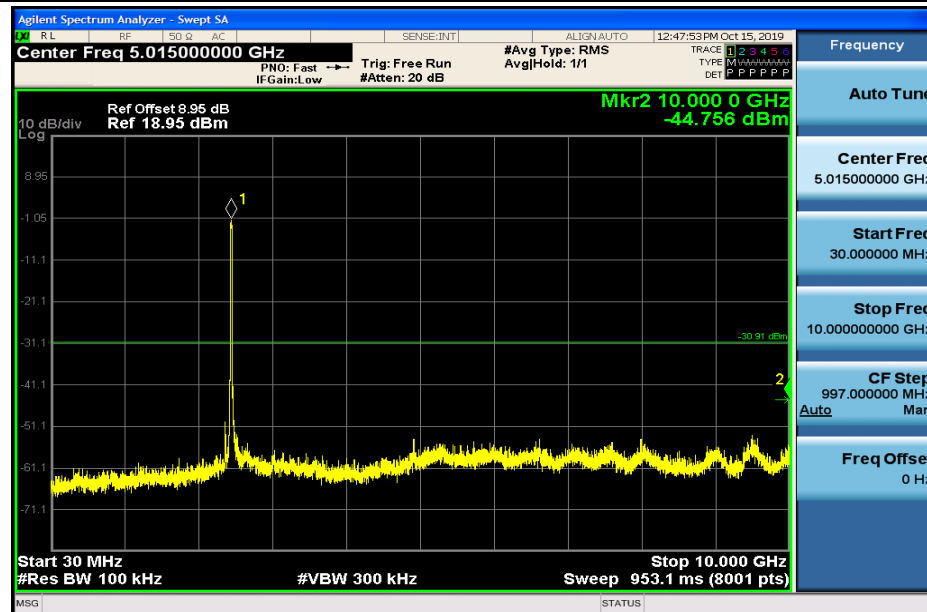
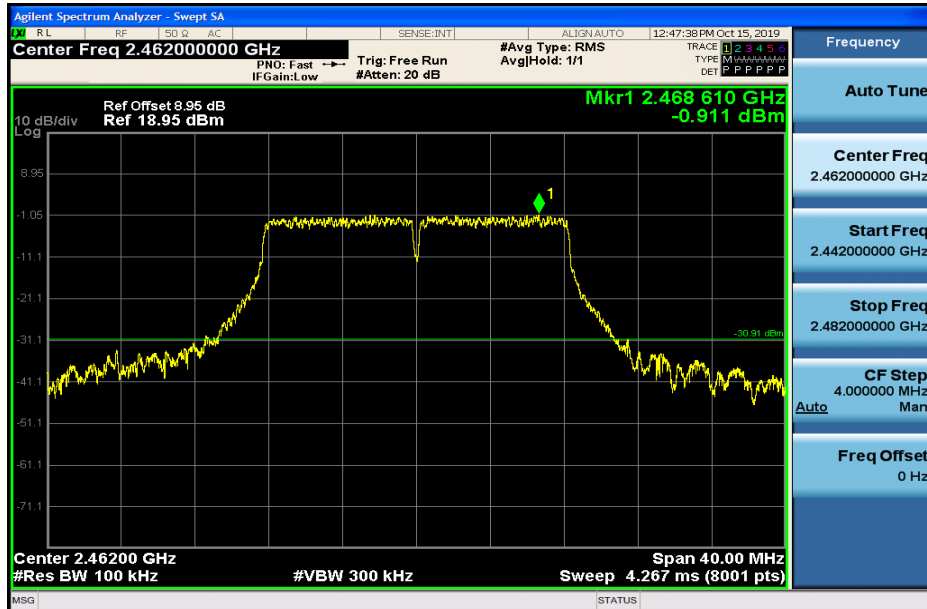
RF Conducted Spurious Emissions\_11G\_2412



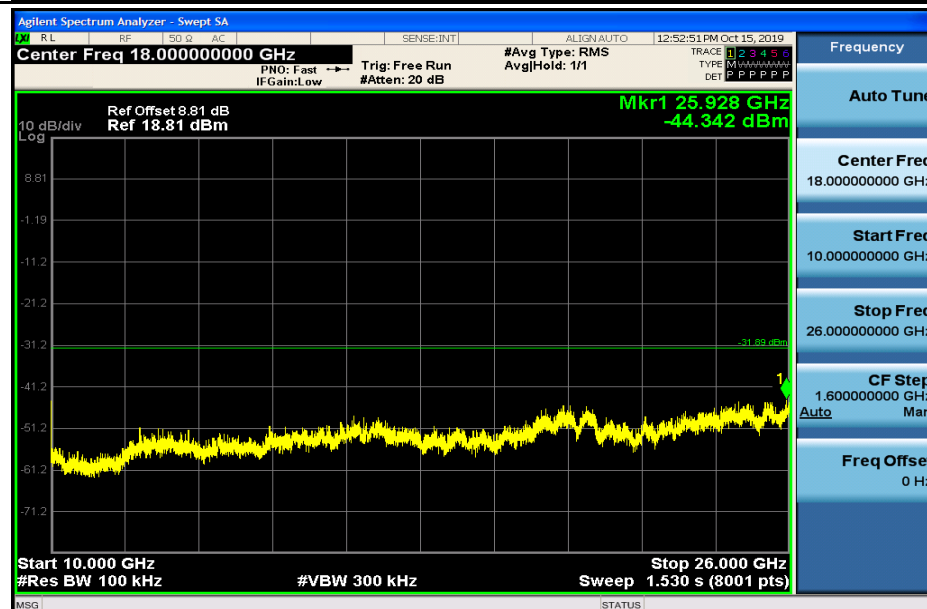
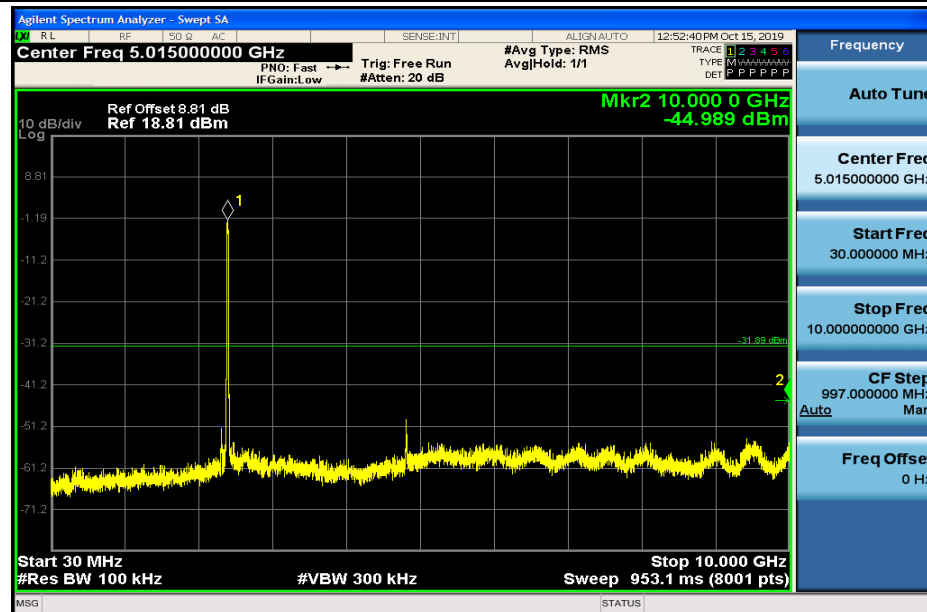
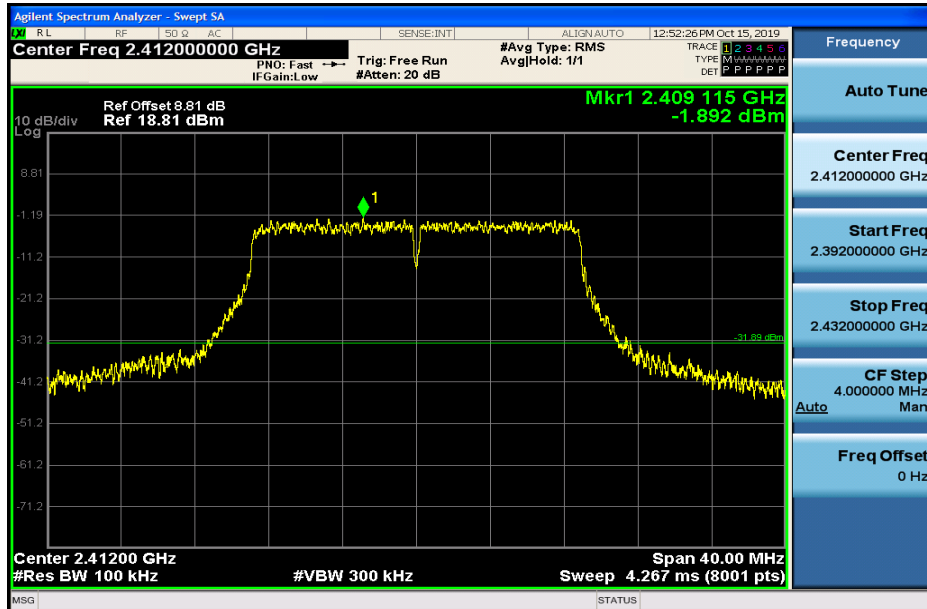
RF Conducted Spurious Emissions\_11G\_2437



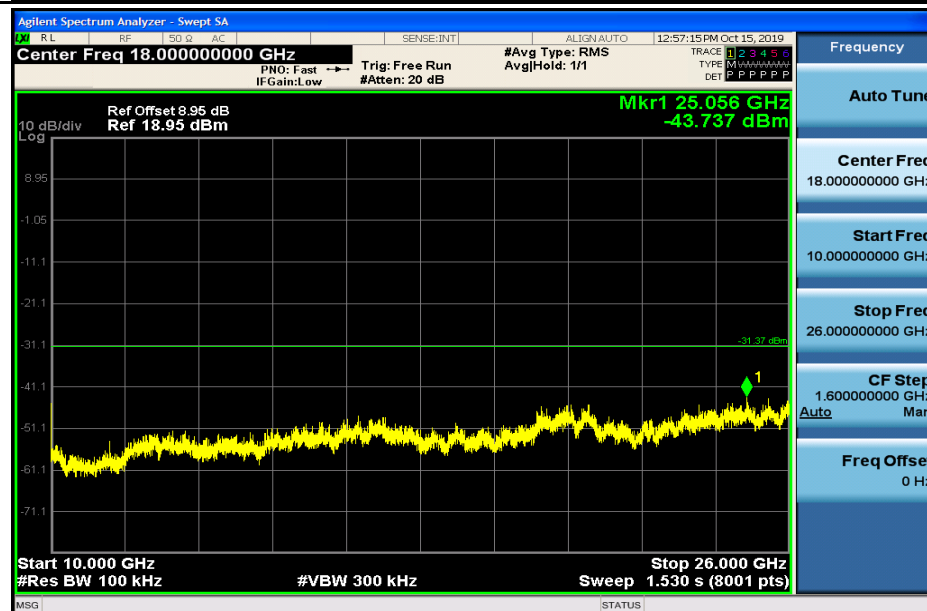
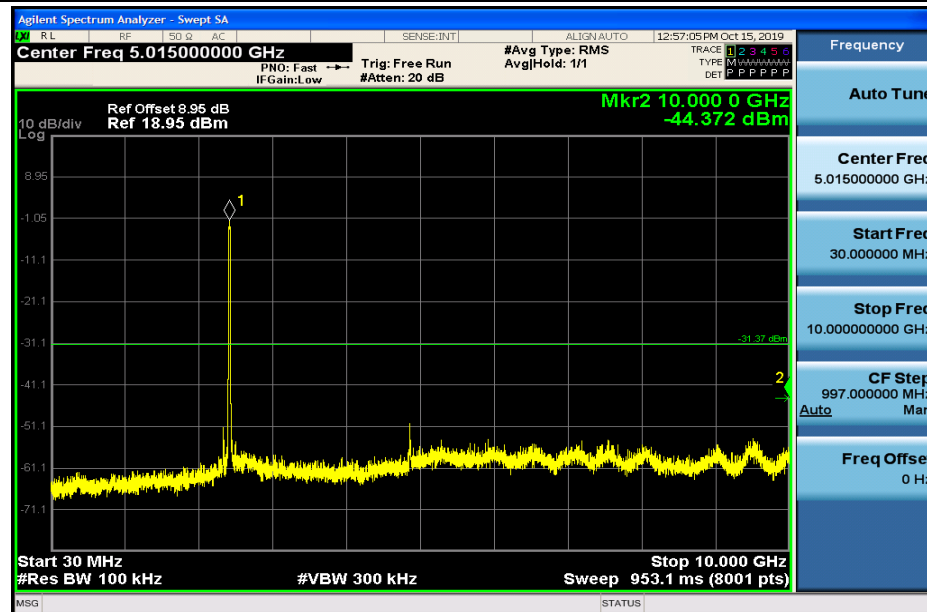
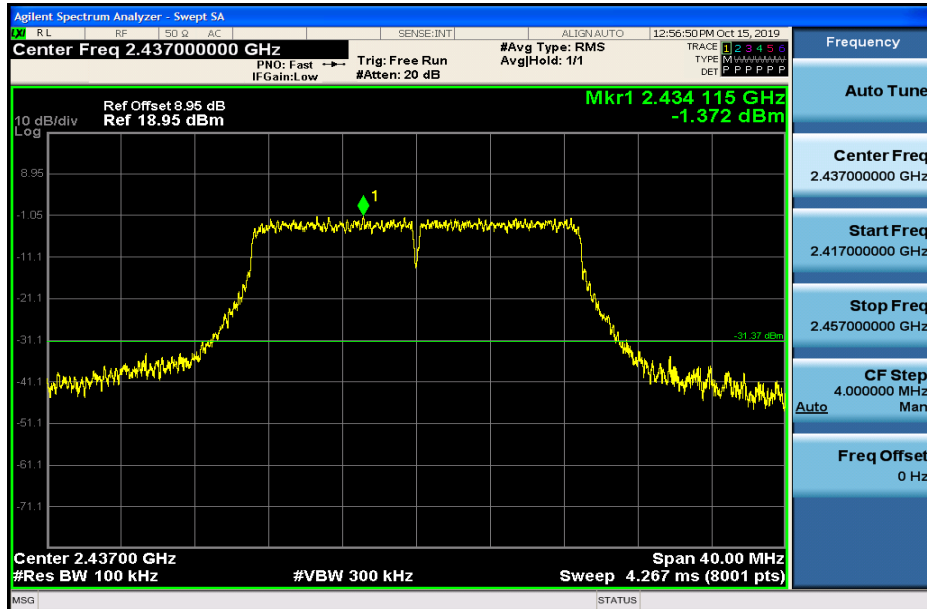
RF Conducted Spurious Emissions\_11G\_2462



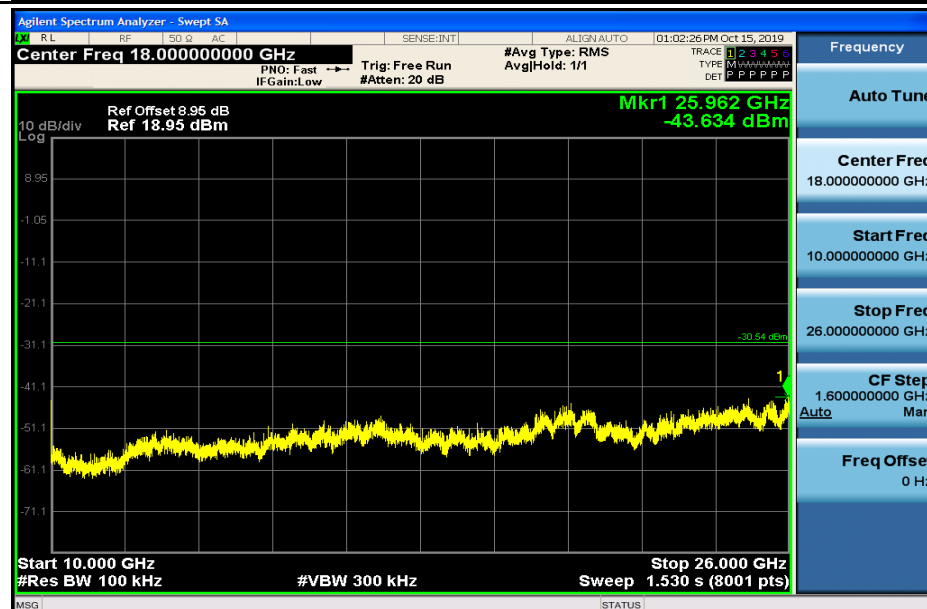
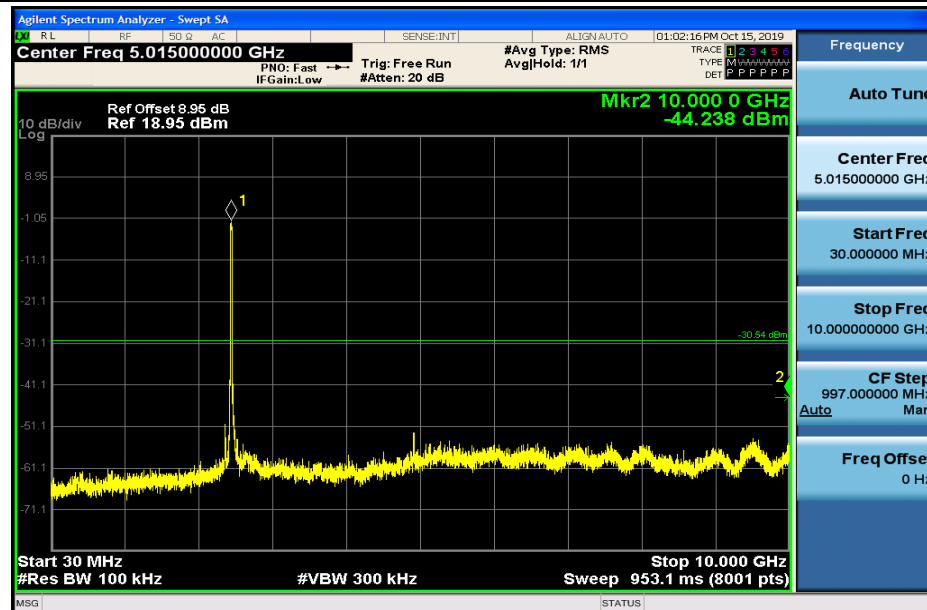
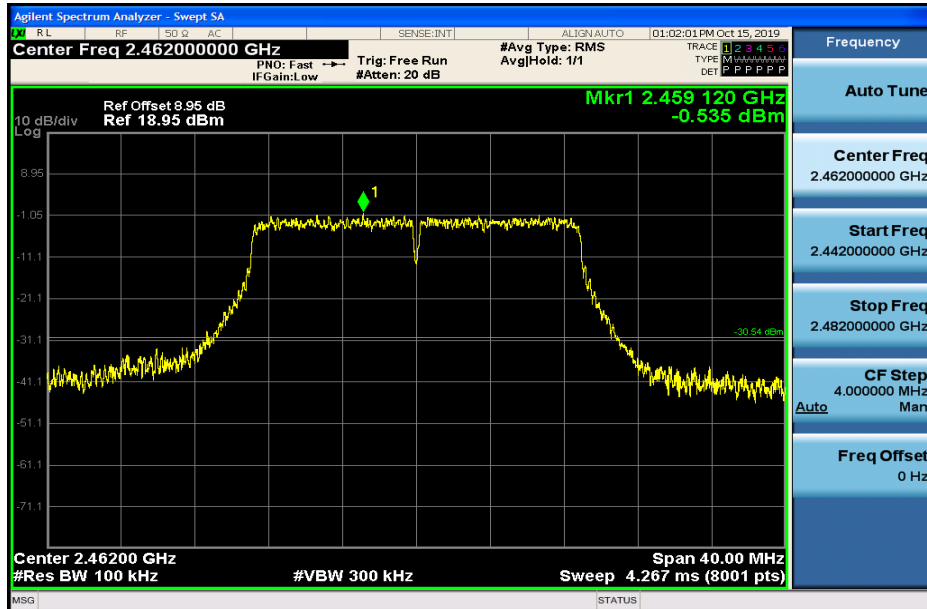
RF Conducted Spurious Emissions\_11N20SISO\_2412



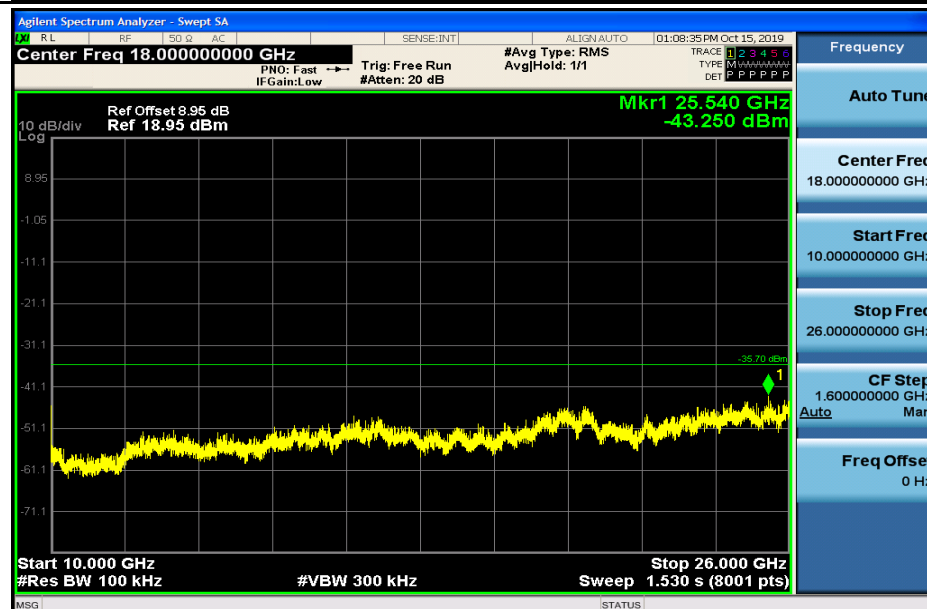
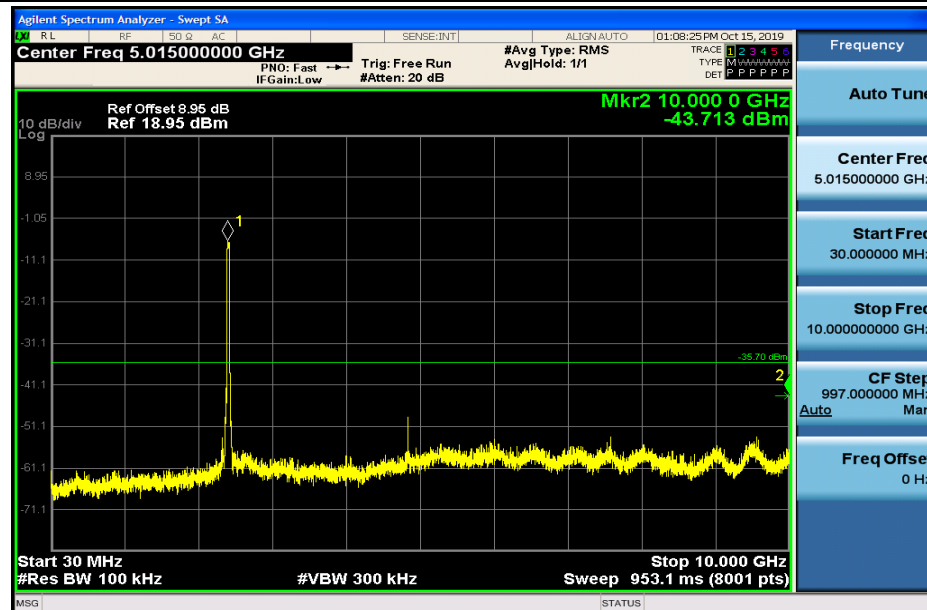
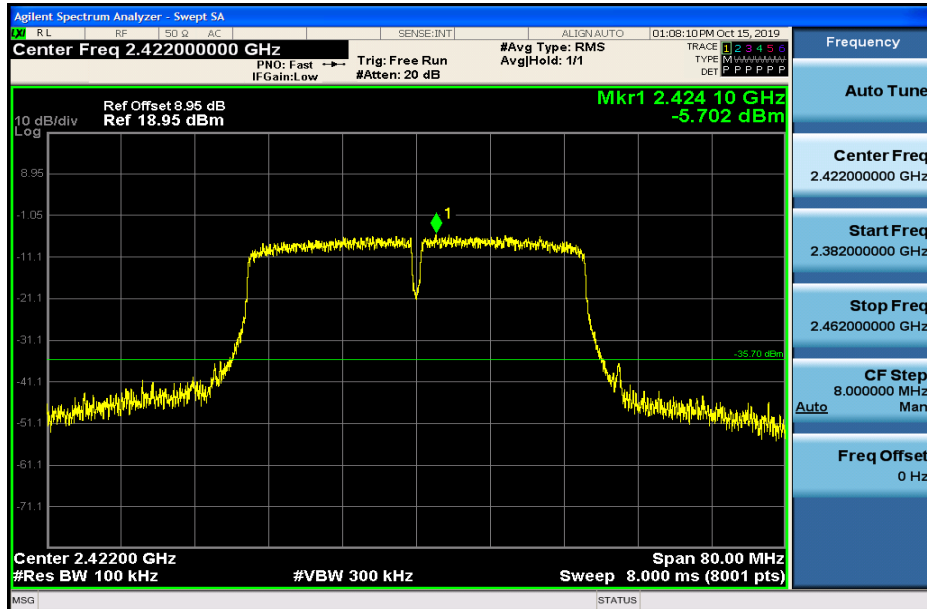
RF Conducted Spurious Emissions\_11N20SISO\_2437



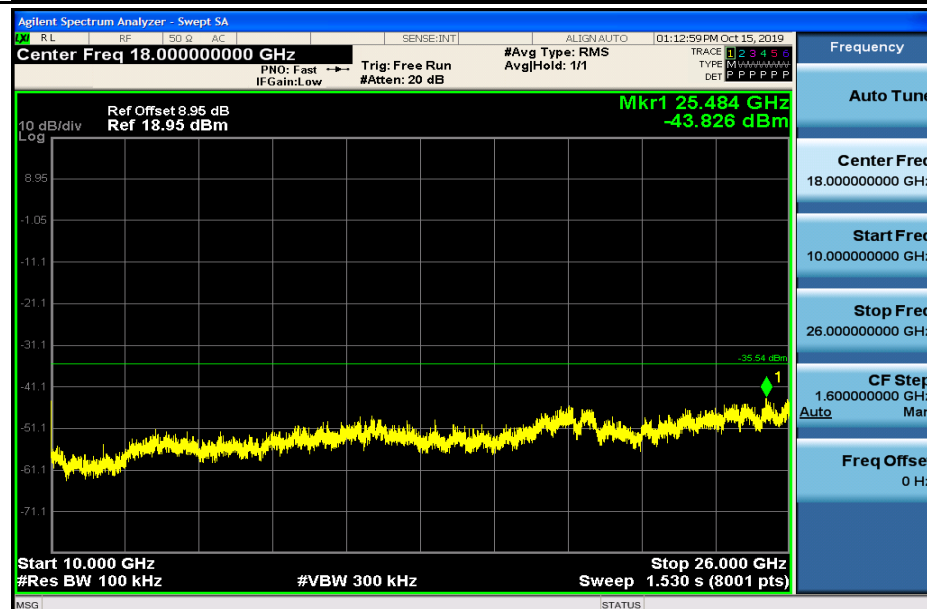
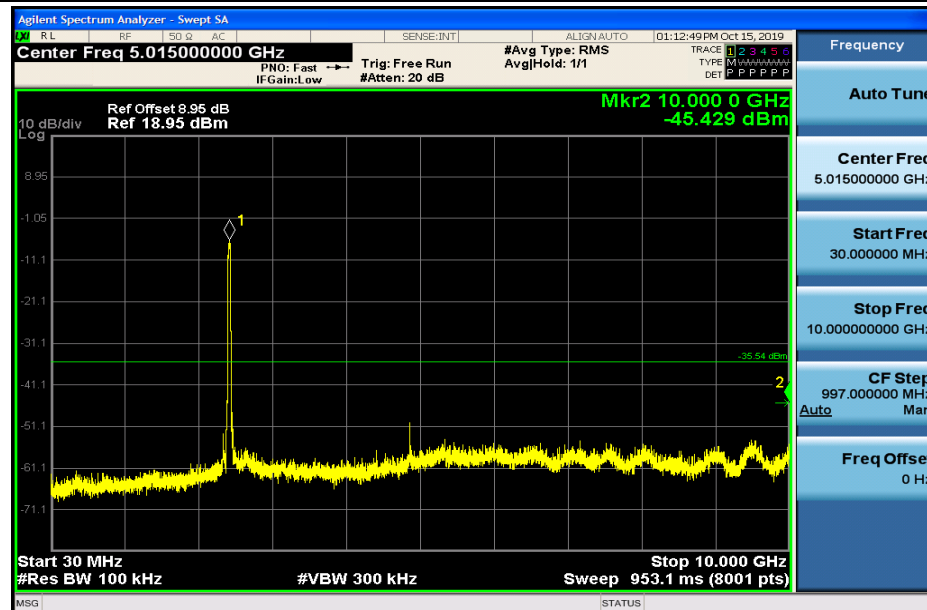
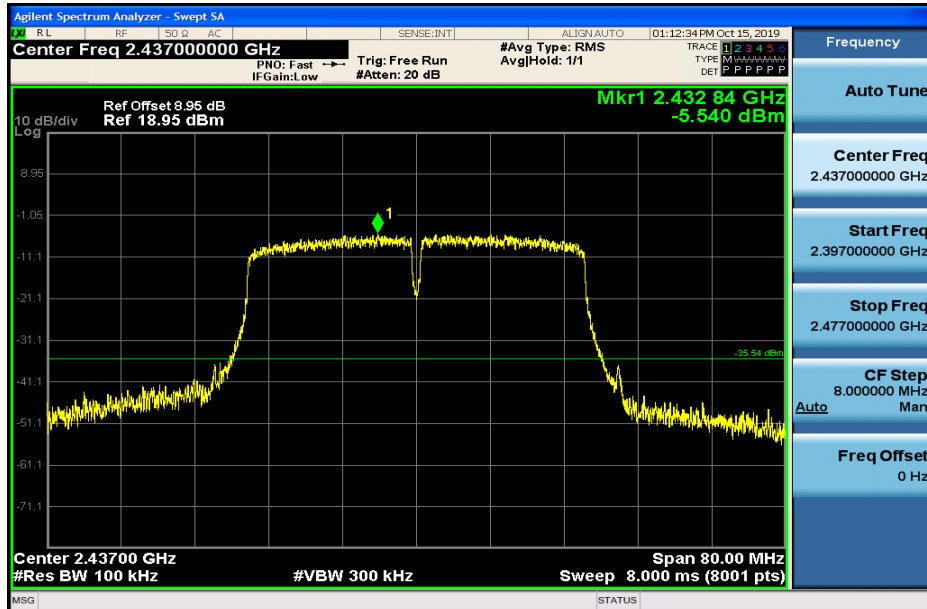
RF Conducted Spurious Emissions\_11N20SISO\_2462



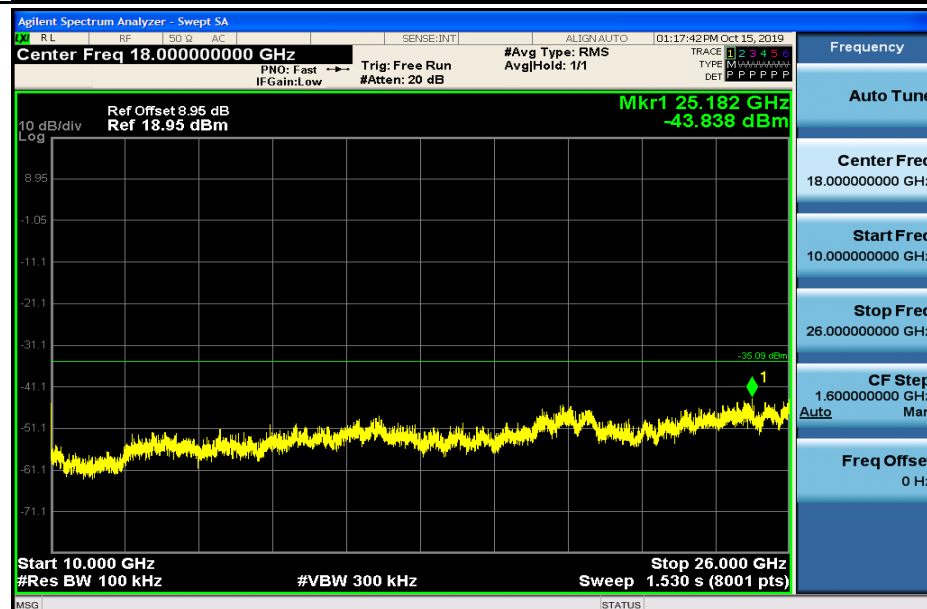
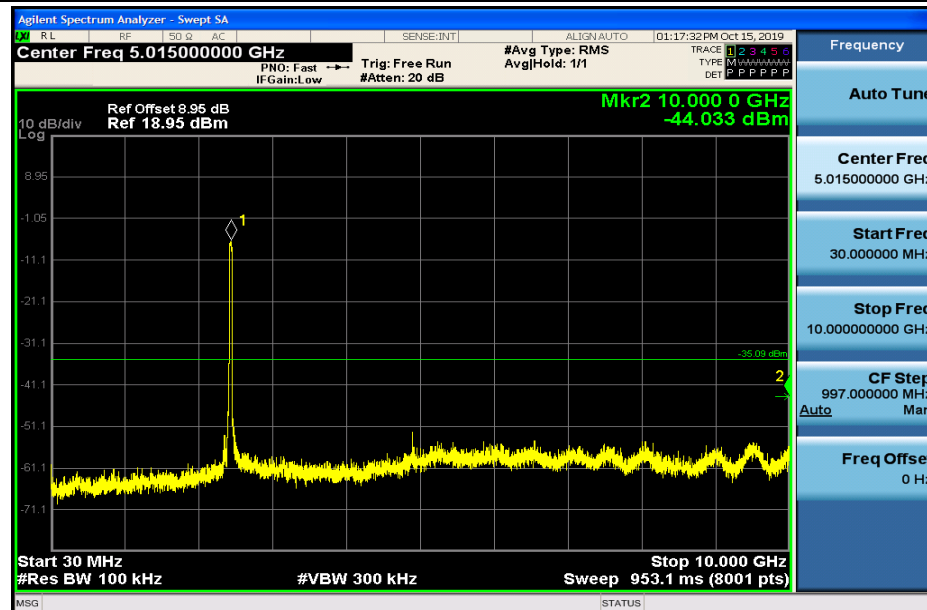
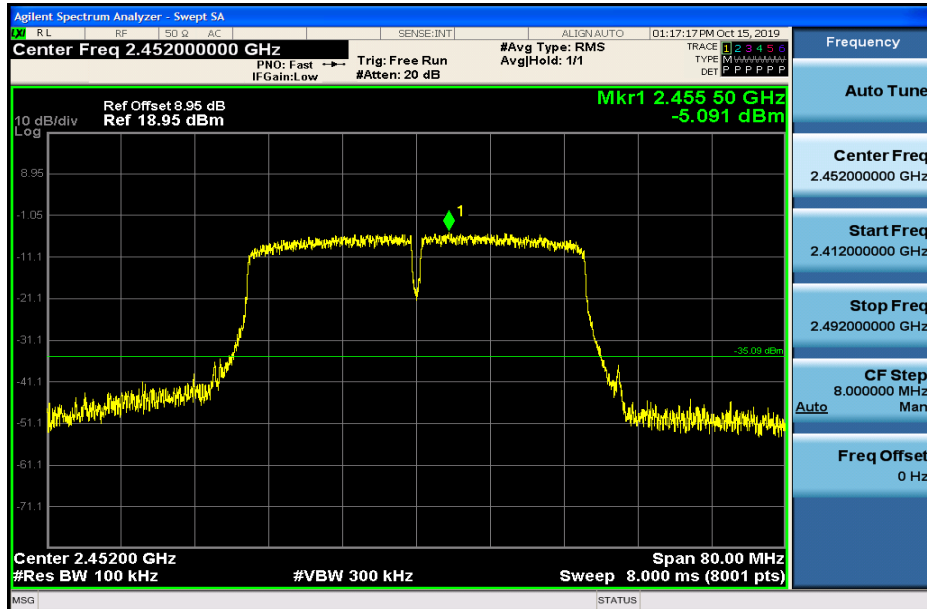
RF Conducted Spurious Emissions\_11N40SISO\_2422



RF Conducted Spurious Emissions\_11N40SISO\_2437



RF Conducted Spurious Emissions\_11N40SISO\_2452

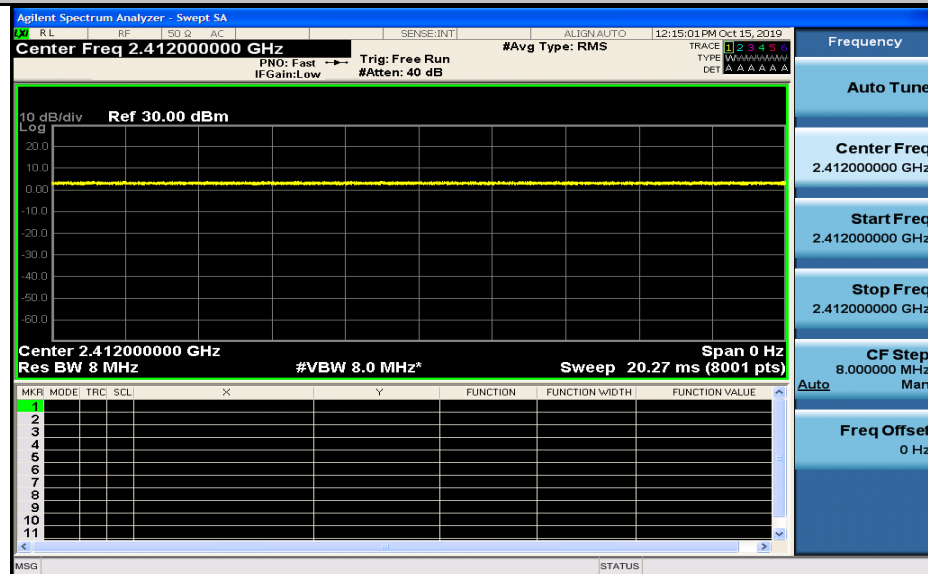




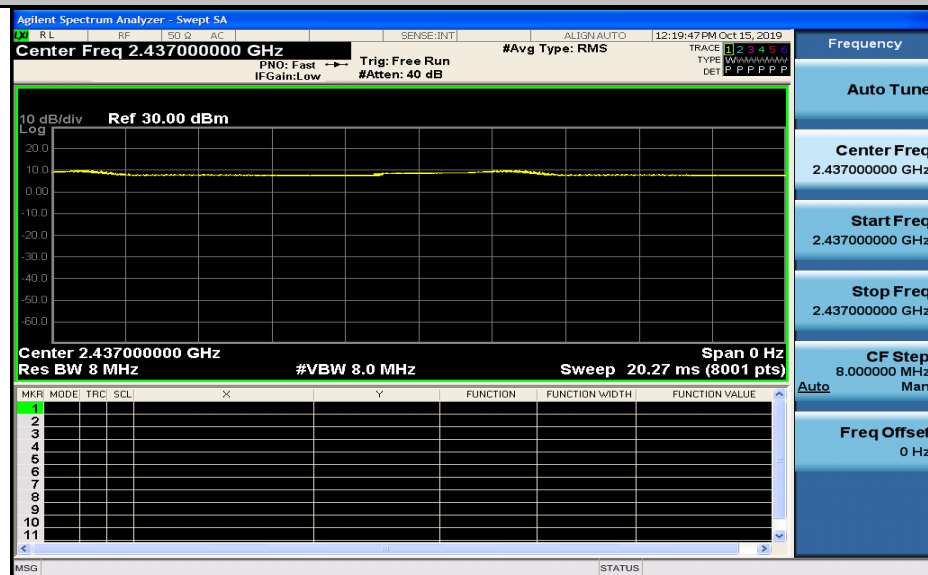
## 7.Duty Cycle

| 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                  |

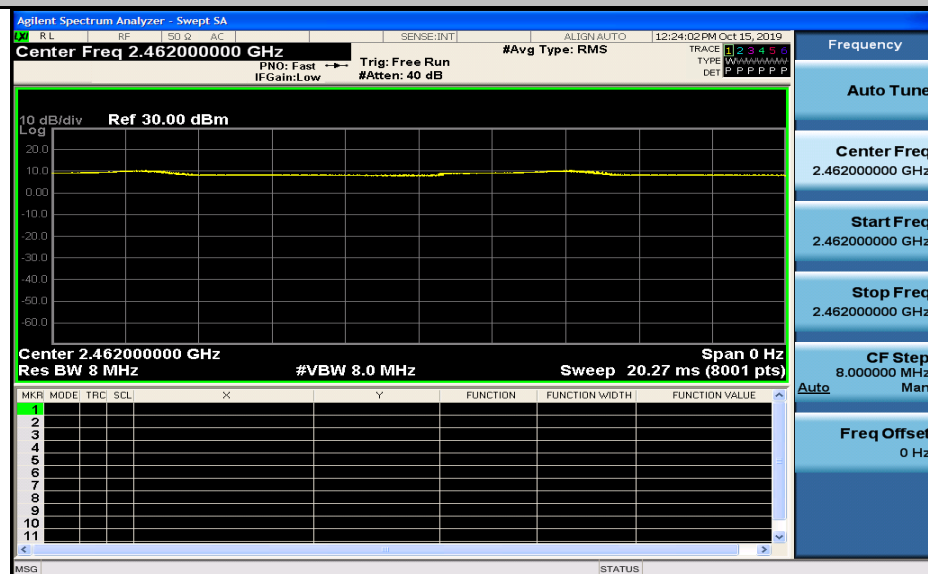
Duty Cycle\_11B\_2412\_Ant1



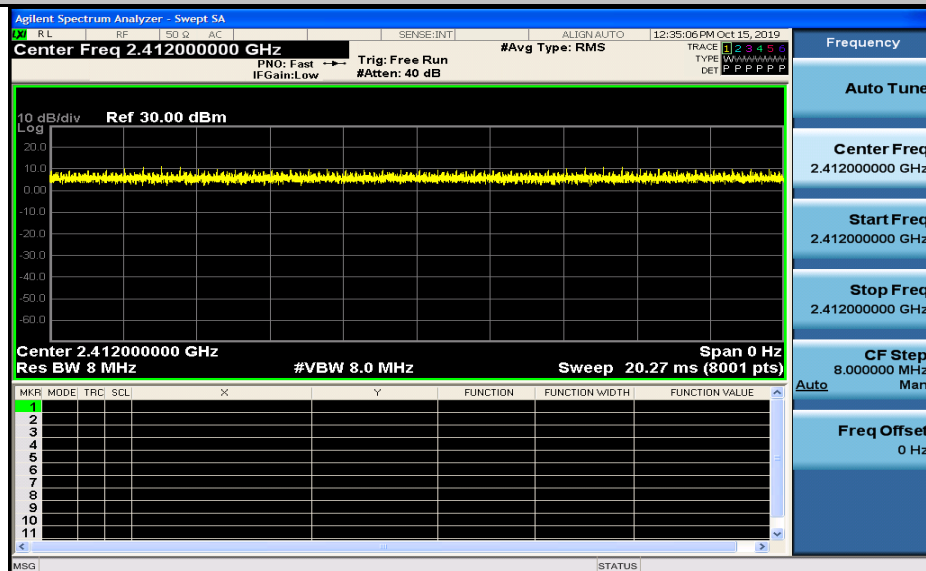
Duty Cycle\_11B\_2437\_Ant1



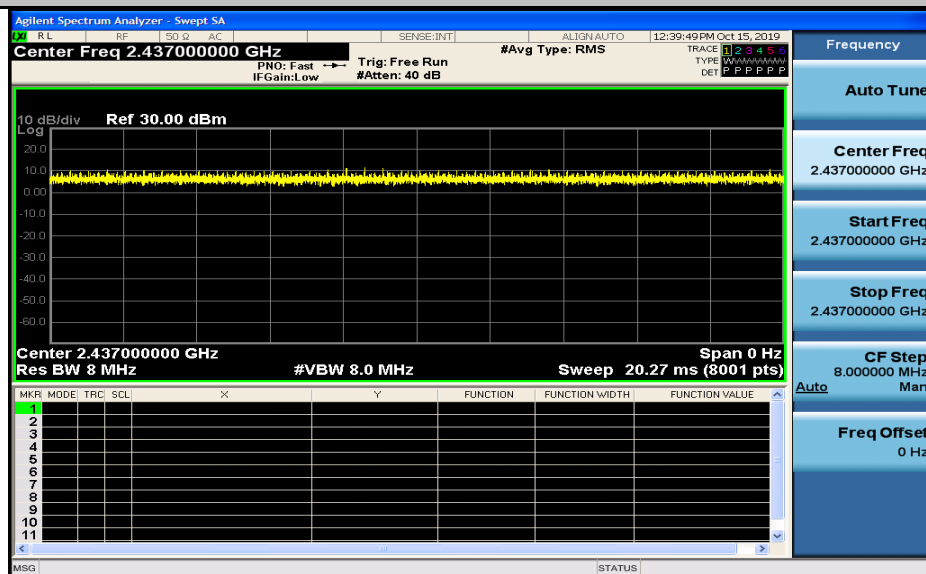
Duty Cycle\_11B\_2462\_Ant1



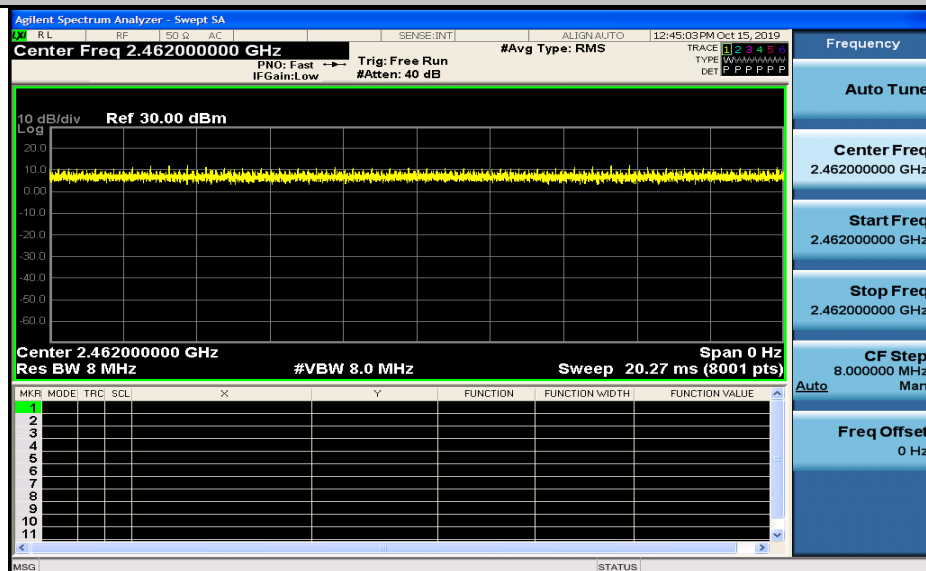
## Duty Cycle\_11G\_2412\_Ant1



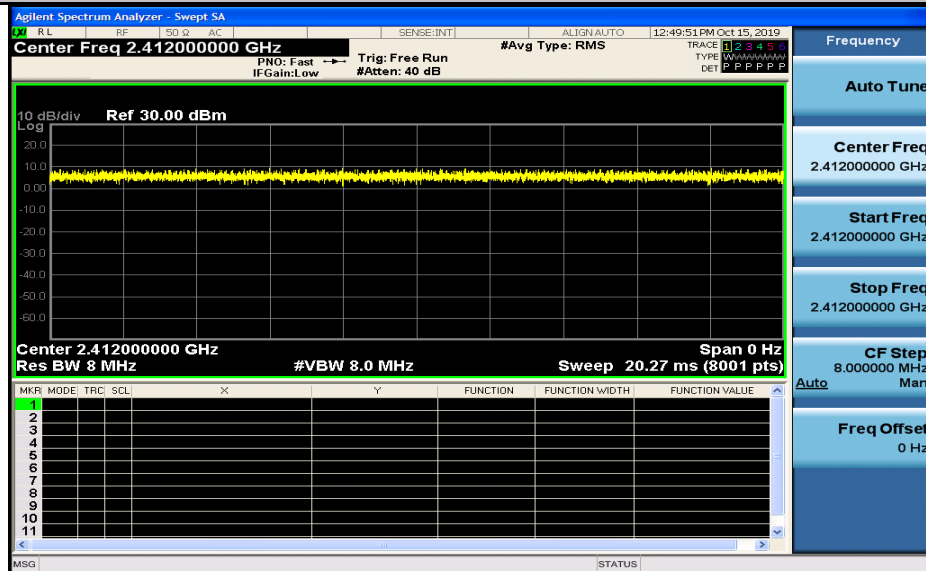
## Duty Cycle\_11G\_2437\_Ant1



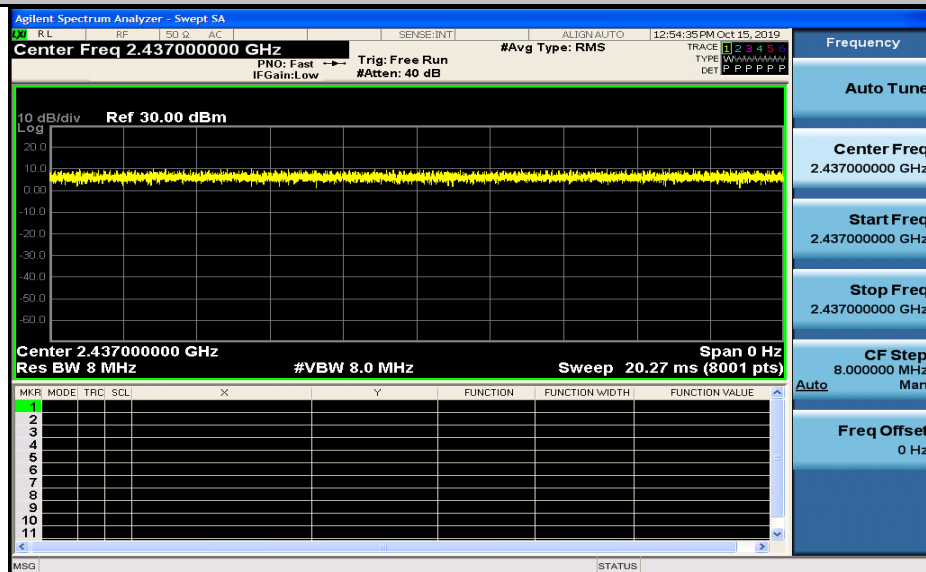
## Duty Cycle\_11G\_2462\_Ant1



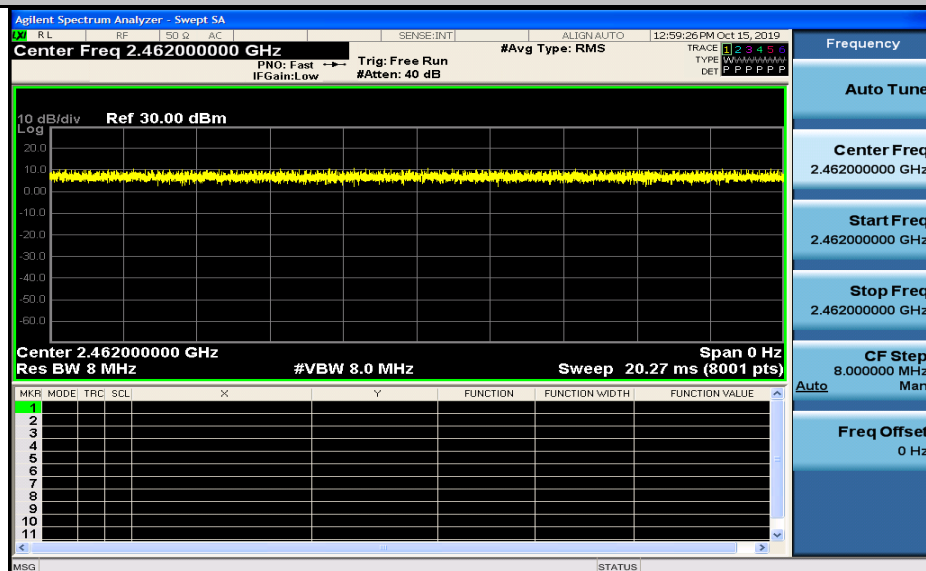
Duty Cycle\_11N20SISO\_2412\_Ant1



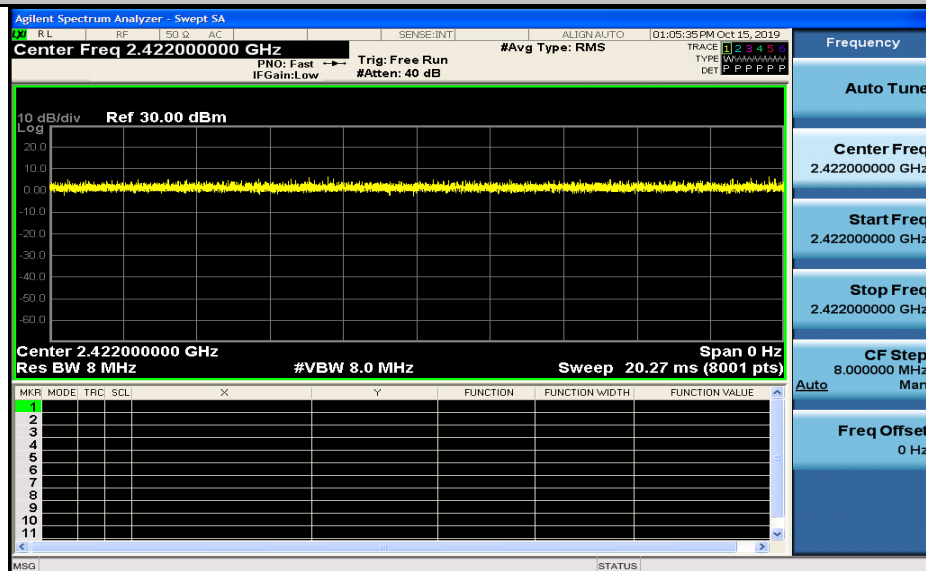
Duty Cycle\_11N20SISO\_2437\_Ant1



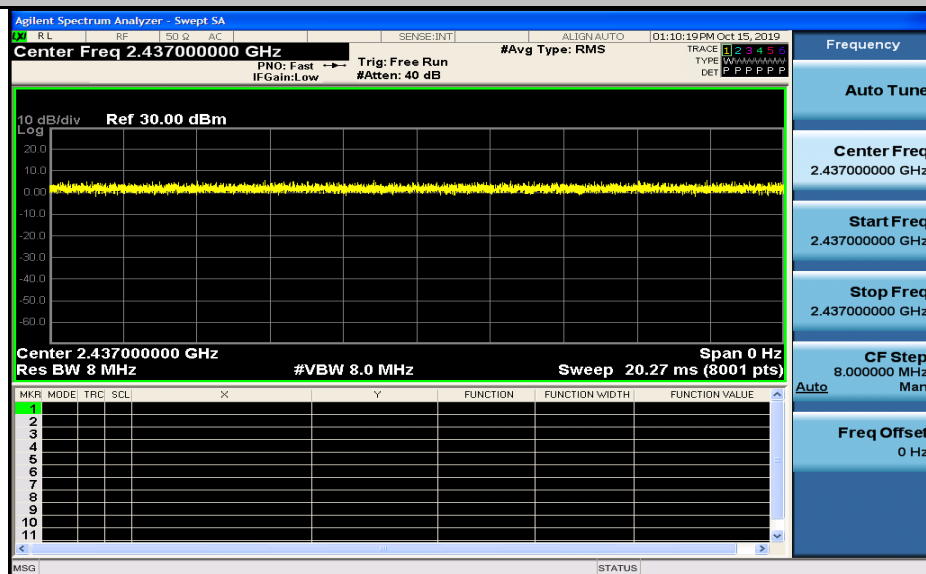
Duty Cycle\_11N20SISO\_2462\_Ant1



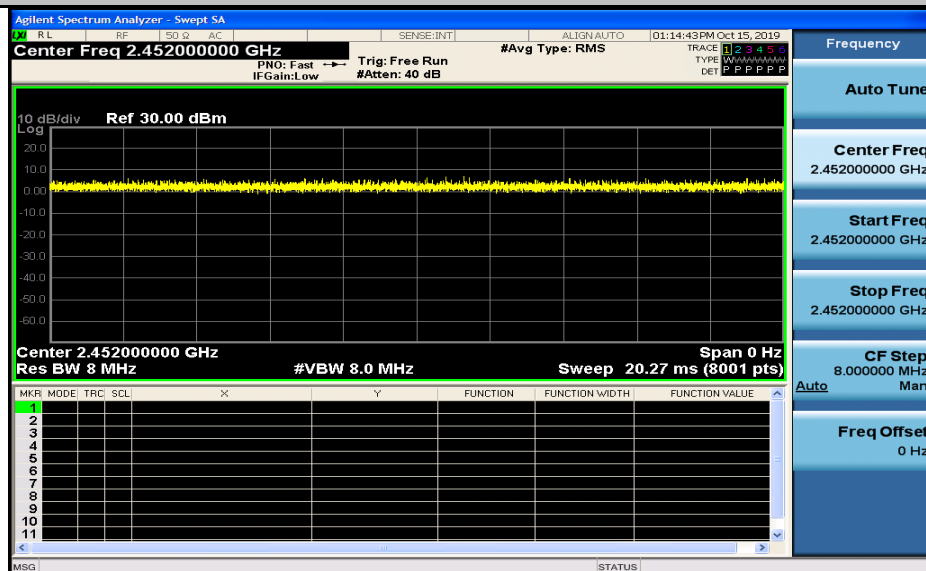
## Duty Cycle\_11N40SISO\_2422\_Ant1



## Duty Cycle\_11N40SISO\_2437\_Ant1



## Duty Cycle\_11N40SISO\_2452\_Ant1





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