

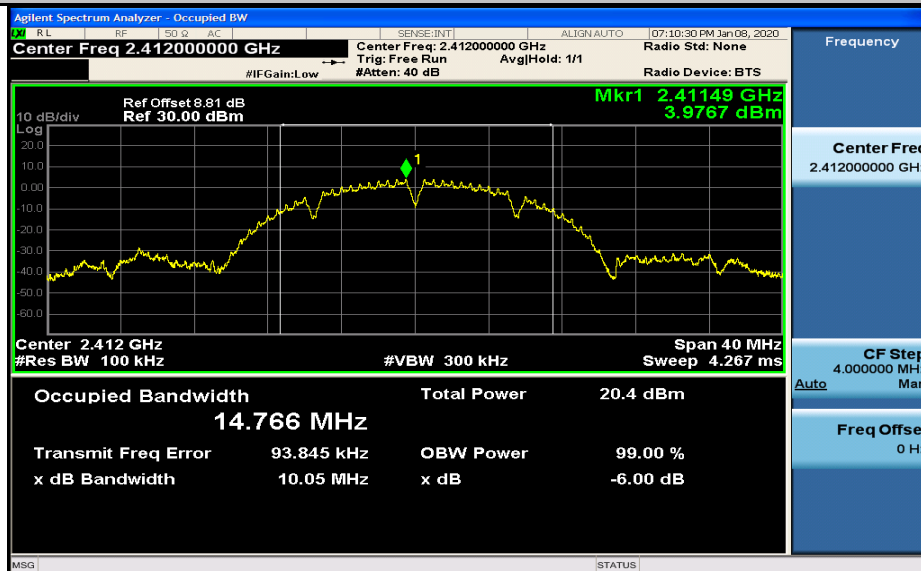


Appendix A for SHEM191201994601

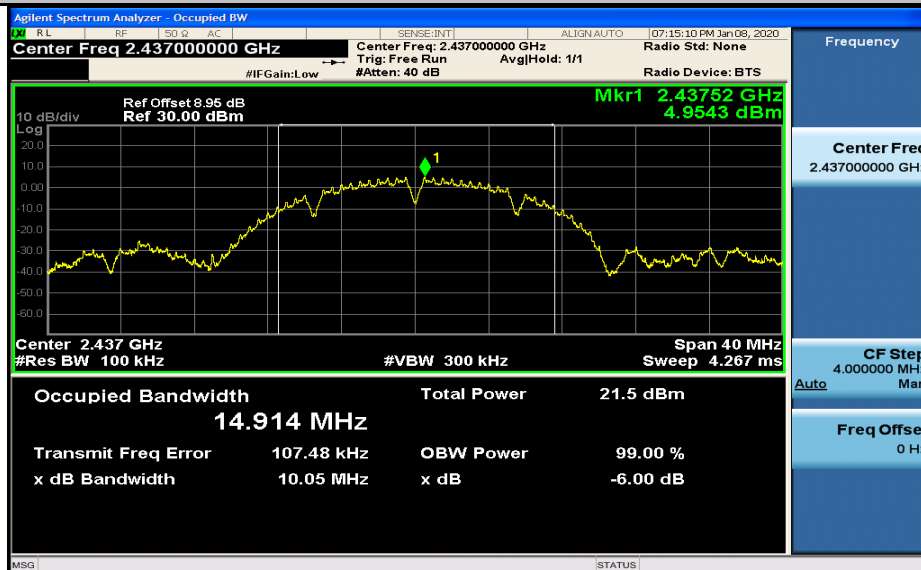
1.6dB Bandwidth

| Test Mode | Test Channel | Ant  | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|-------|---------|
| 11B       | 2412         | Ant1 | 10.05    | 0.5   | PASS    |
| 11B       | 2437         | Ant1 | 10.05    | 0.5   | PASS    |
| 11B       | 2462         | Ant1 | 10.04    | 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 | 17.80    | 0.5   | PASS    |
| 11N20SISO | 2462         | Ant1 | 17.78    | 0.5   | PASS    |
| 11N40SISO | 2422         | Ant1 | 36.07    | 0.5   | PASS    |
| 11N40SISO | 2437         | Ant1 | 36.09    | 0.5   | PASS    |
| 11N40SISO | 2452         | Ant1 | 36.05    | 0.5   | PASS    |

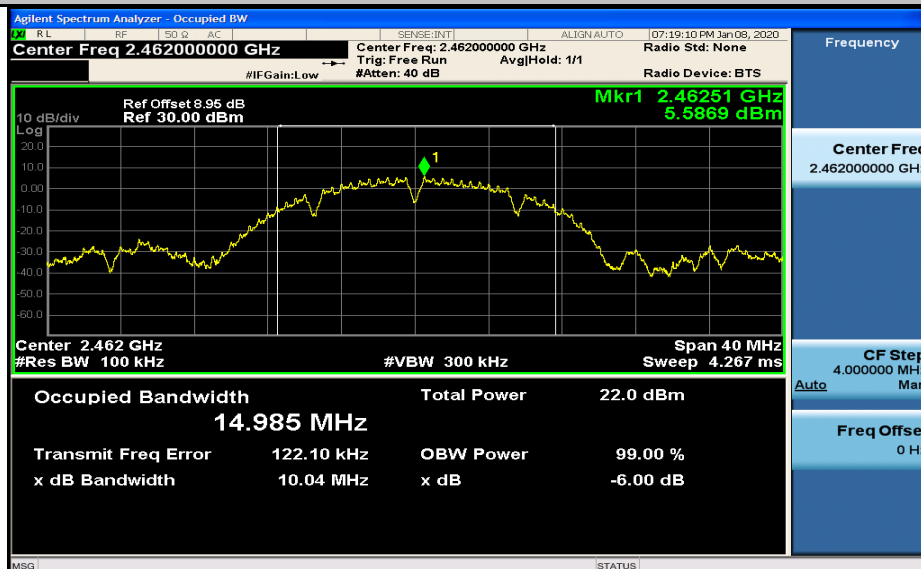
### 6dB Bandwidth\_11B\_2412\_Ant1



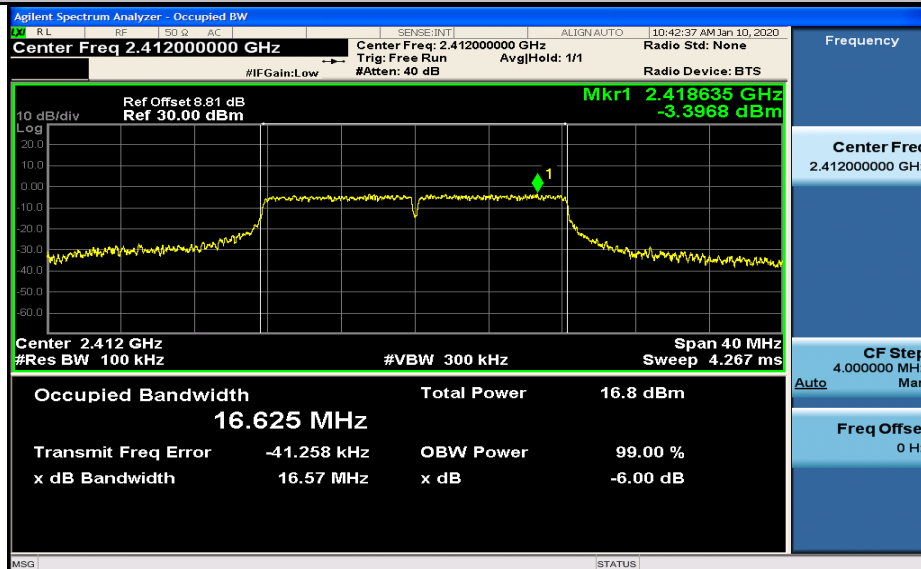
### 6dB Bandwidth\_11B\_2437\_Ant1



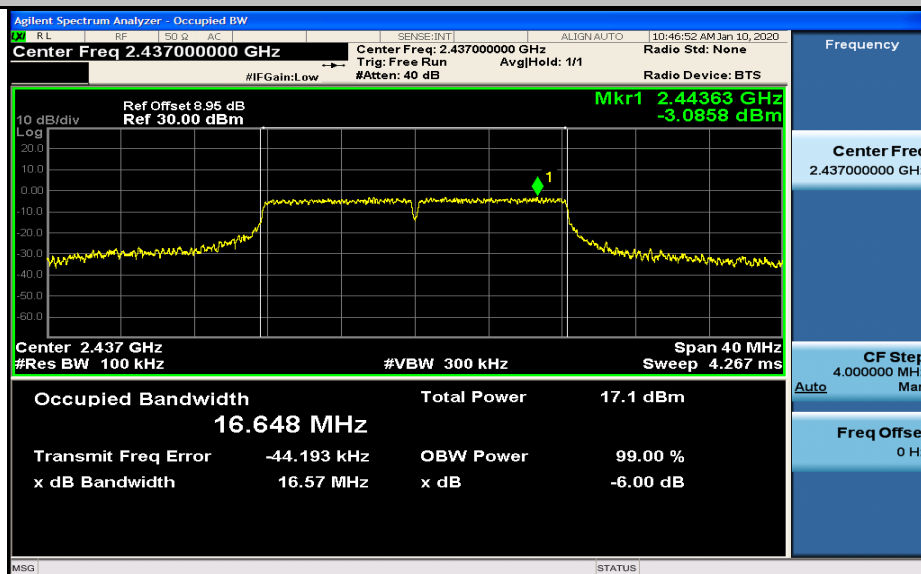
### 6dB Bandwidth\_11B\_2462\_Ant1



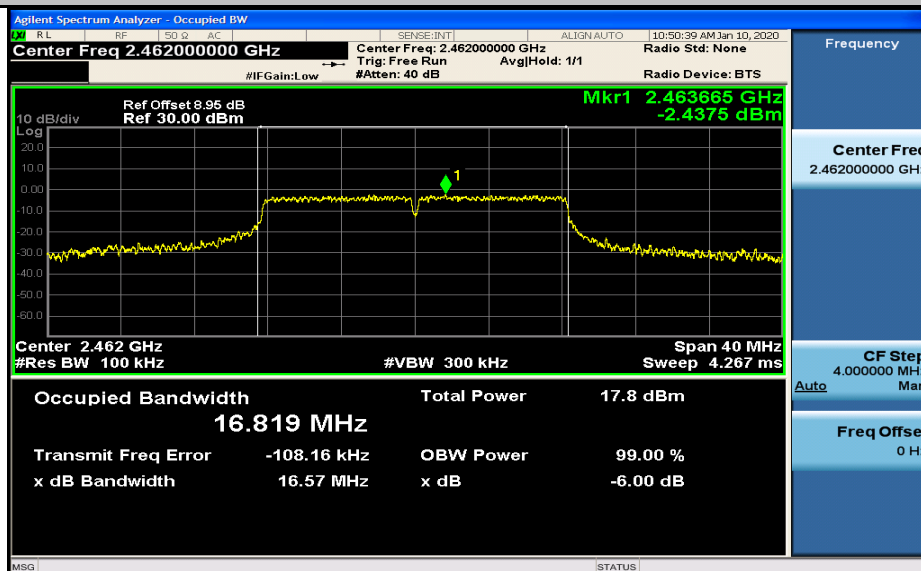
### 6dB Bandwidth\_11G\_2412\_Ant1



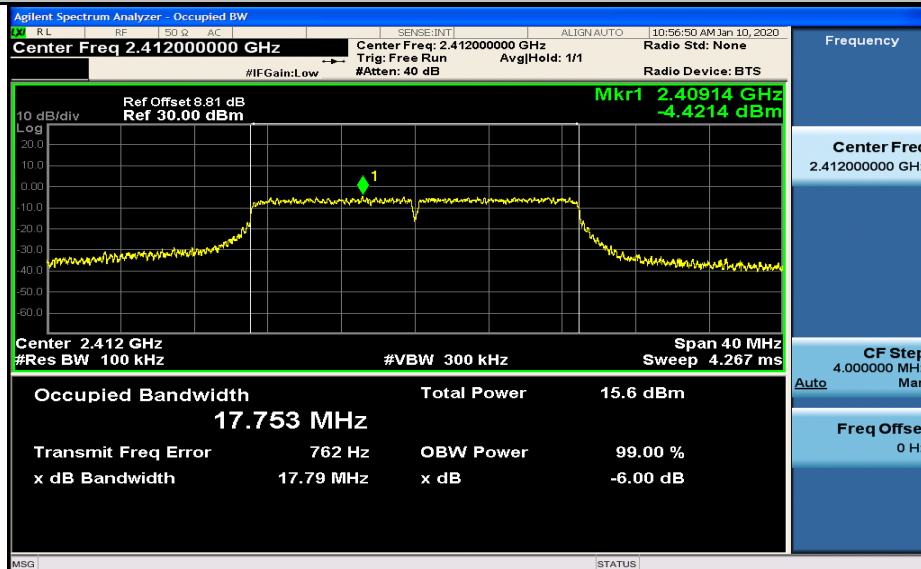
### 6dB Bandwidth\_11G\_2437\_Ant1



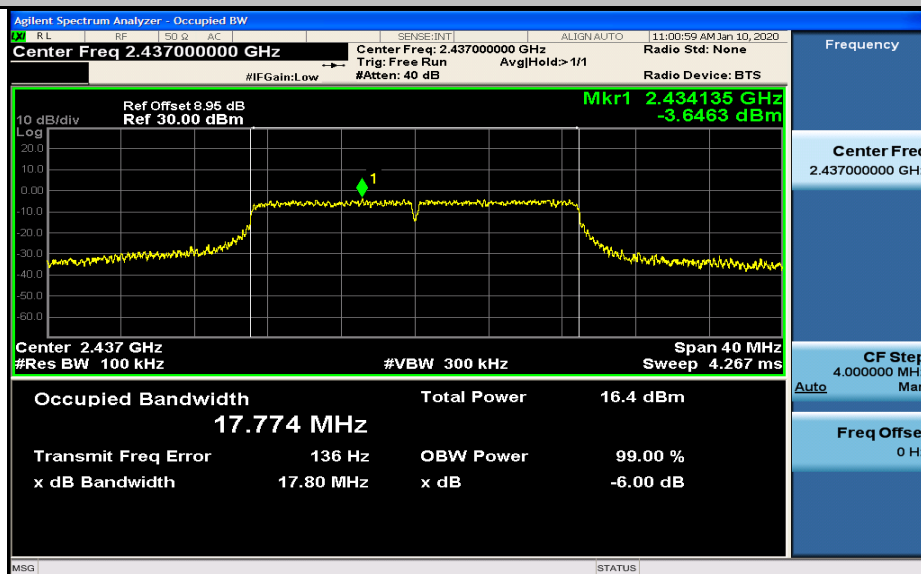
### 6dB Bandwidth\_11G\_2462\_Ant1



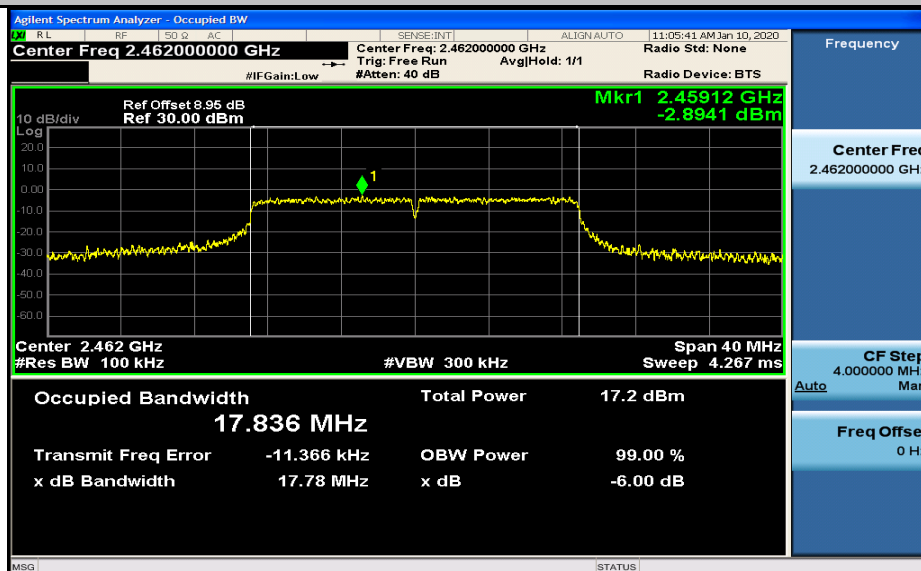
### 6dB Bandwidth\_11N20SISO\_2412\_Ant1



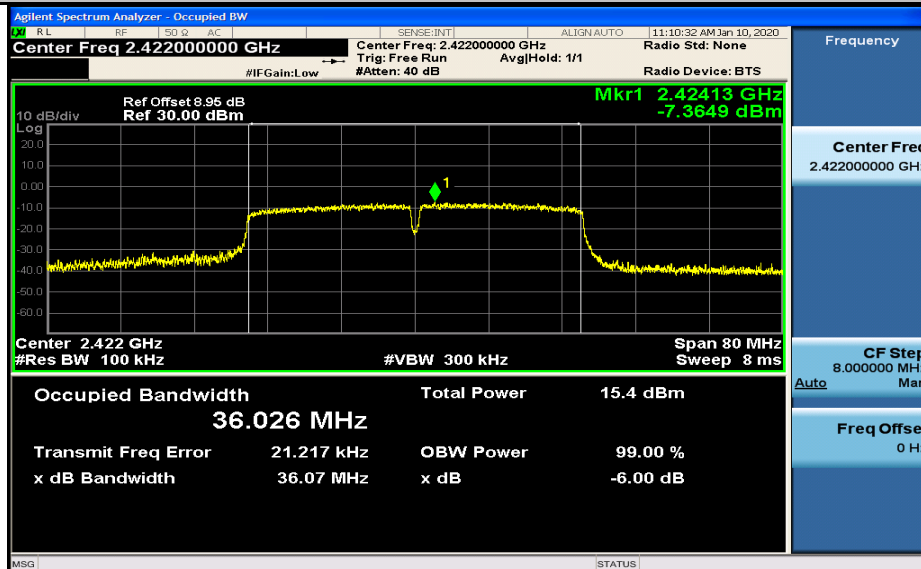
### 6dB Bandwidth\_11N20SISO\_2437\_Ant1



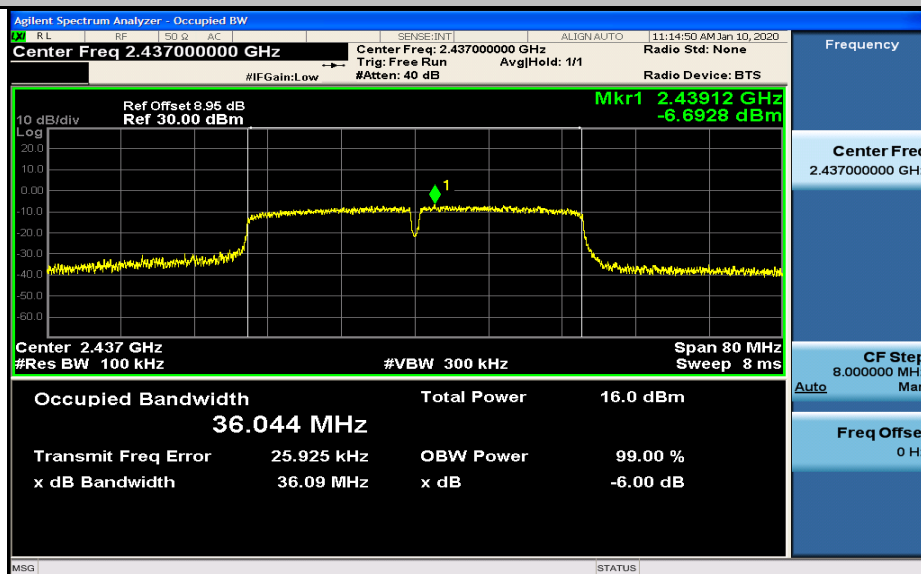
### 6dB Bandwidth\_11N20SISO\_2462\_Ant1



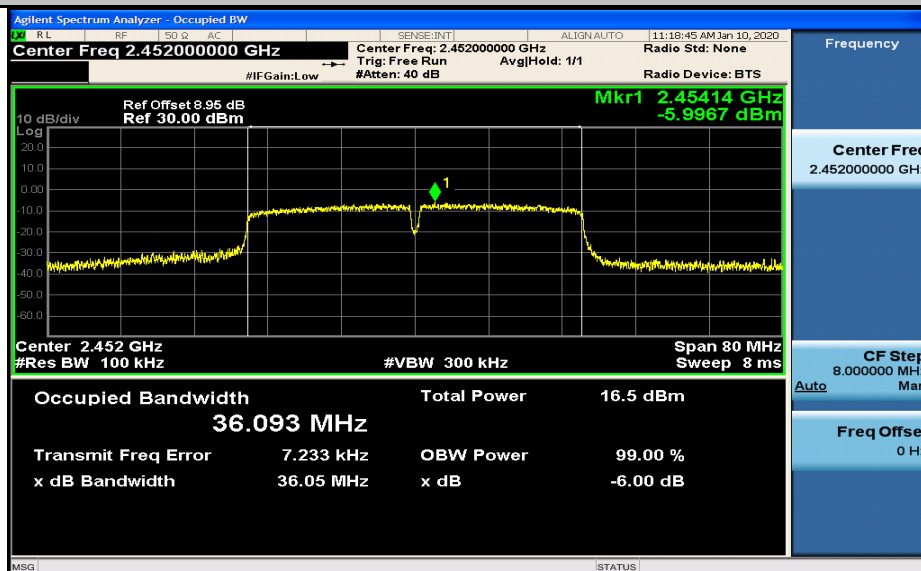
6dB Bandwidth\_11N40SISO\_2422\_Ant1



6dB Bandwidth\_11N40SISO\_2437\_Ant1



6dB Bandwidth\_11N40SISO\_2452\_Ant1

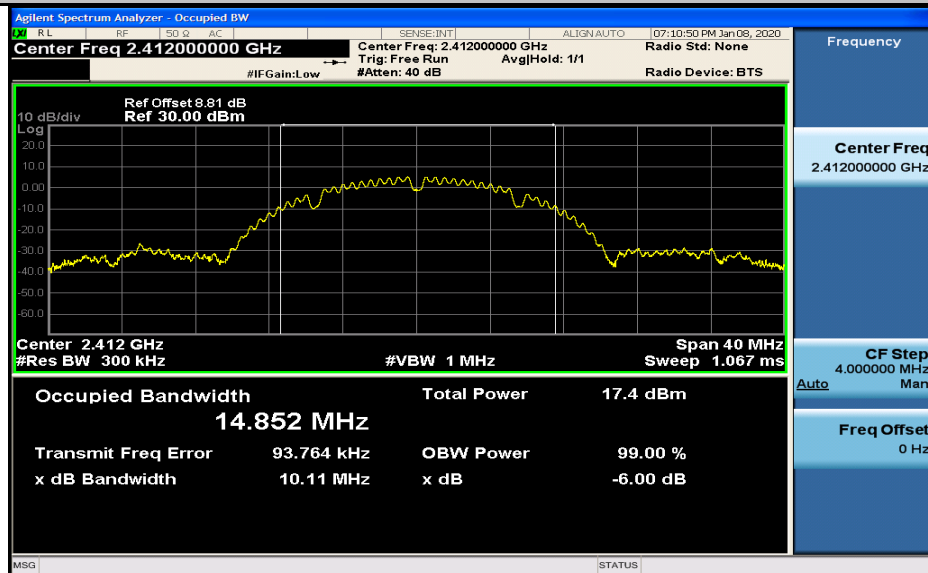




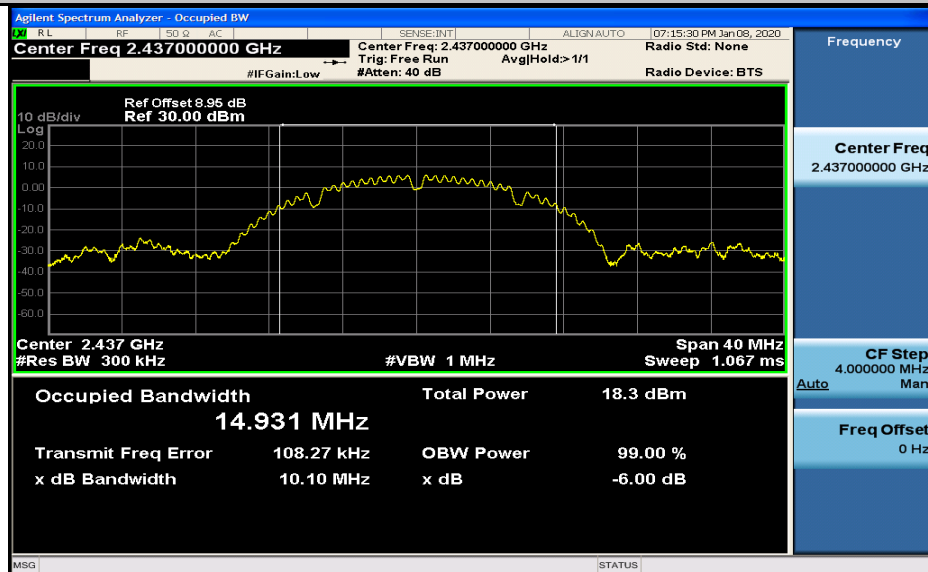
## 2.Occupied Bandwidth

| Test Mode | Test Channel | Ant  | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|------|----------|------------|---------|
| 11B       | 2412         | Ant1 | 14.85    | ---        | PASS    |
| 11B       | 2437         | Ant1 | 14.93    | ---        | PASS    |
| 11B       | 2462         | Ant1 | 15.04    | ---        | PASS    |
| 11G       | 2412         | Ant1 | 17.08    | ---        | PASS    |
| 11G       | 2437         | Ant1 | 17.17    | ---        | PASS    |
| 11G       | 2462         | Ant1 | 17.32    | ---        | PASS    |
| 11N20SISO | 2412         | Ant1 | 18.04    | ---        | PASS    |
| 11N20SISO | 2437         | Ant1 | 18.11    | ---        | PASS    |
| 11N20SISO | 2462         | Ant1 | 18.24    | ---        | PASS    |
| 11N40SISO | 2422         | Ant1 | 36.45    | ---        | PASS    |
| 11N40SISO | 2437         | Ant1 | 36.44    | ---        | PASS    |
| 11N40SISO | 2452         | Ant1 | 36.55    | ---        | PASS    |

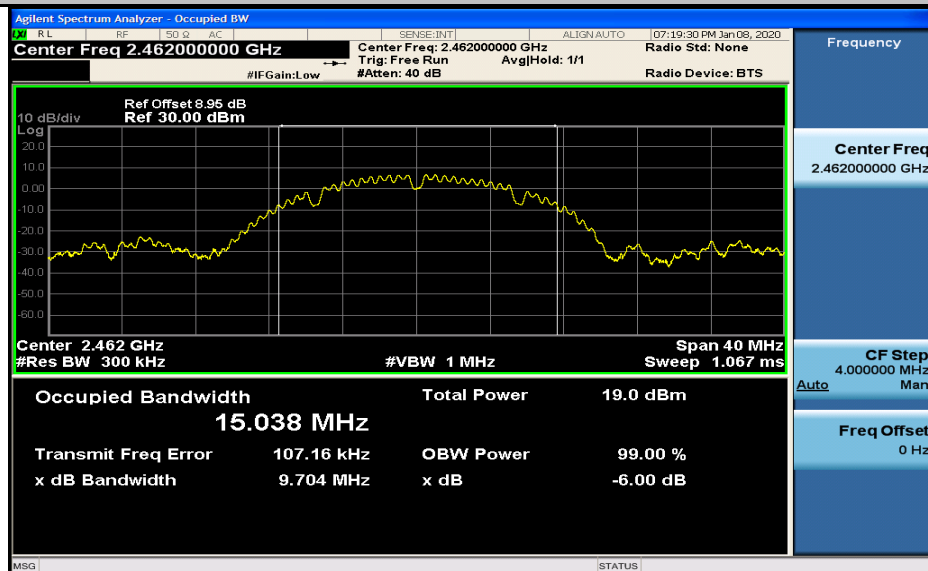
### Occupied Bandwidth\_11B\_2412



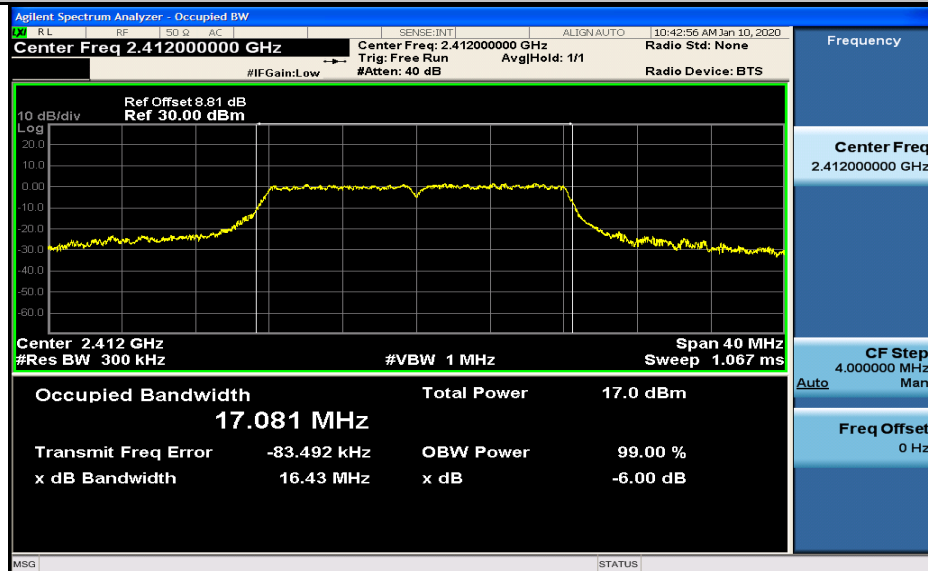
### Occupied Bandwidth\_11B\_2437



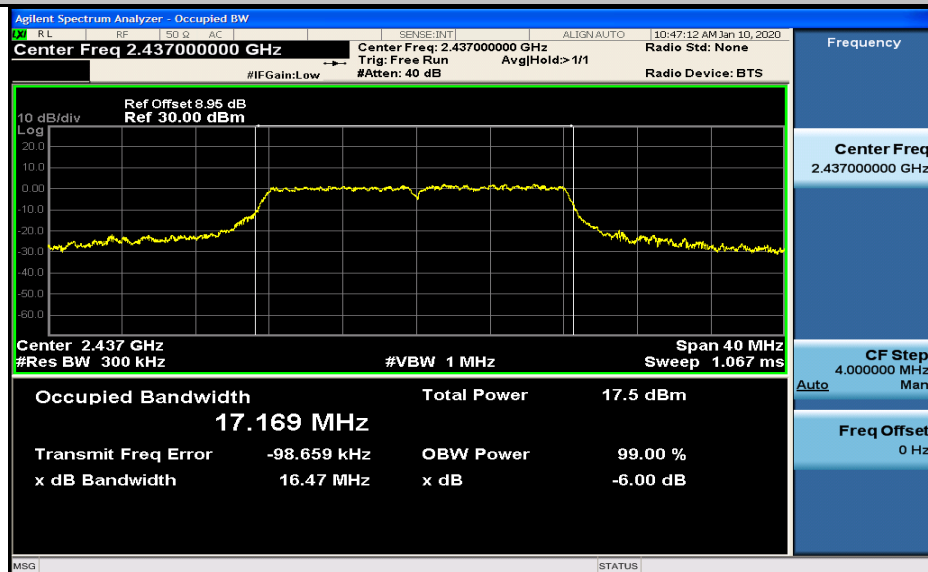
### Occupied Bandwidth\_11B\_2462



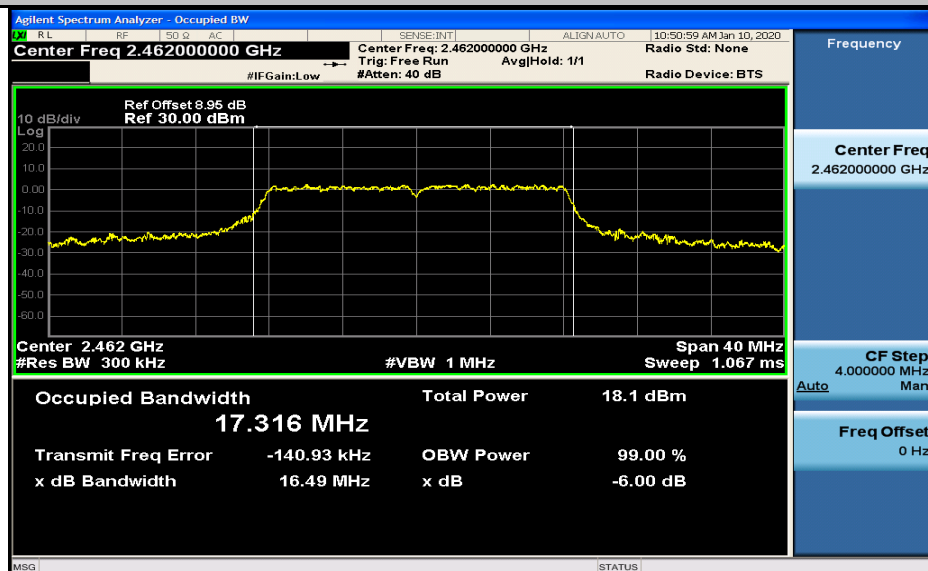
### Occupied Bandwidth\_11G\_2412



### Occupied Bandwidth\_11G\_2437

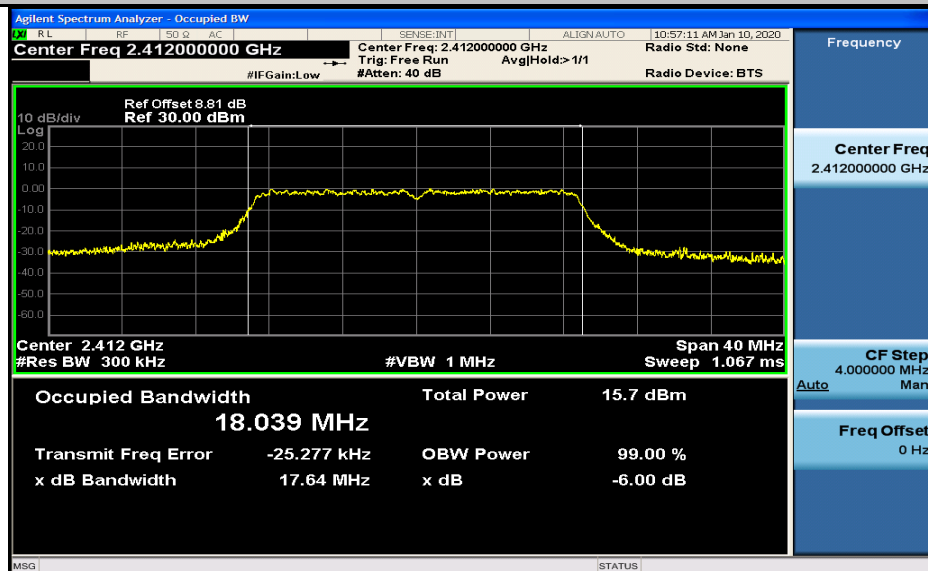


### Occupied Bandwidth\_11G\_2462

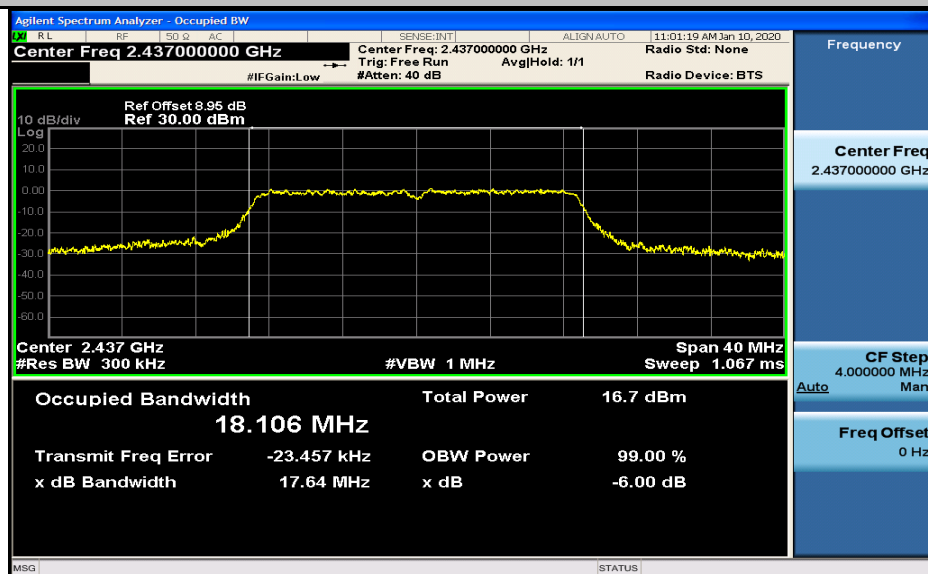




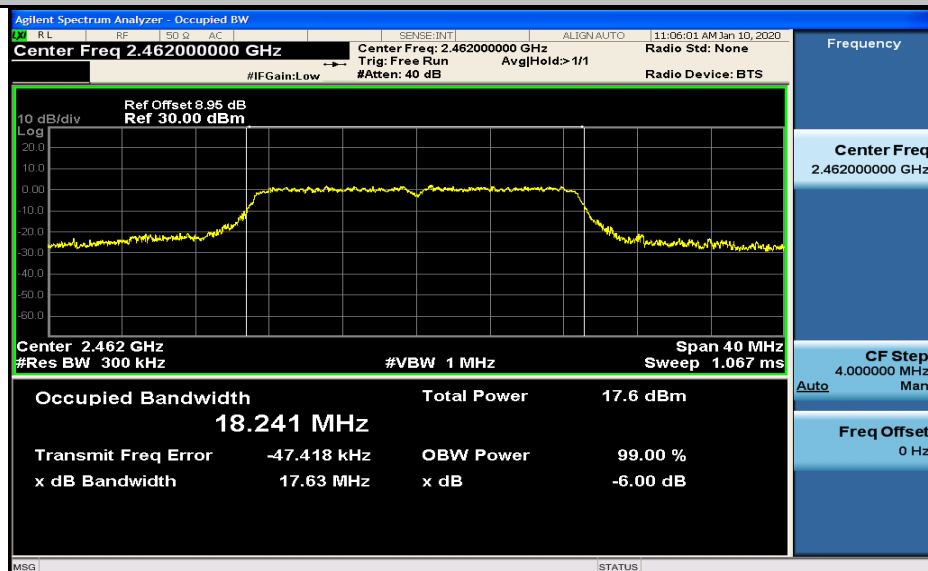
### Occupied Bandwidth\_11N20SISO\_2412



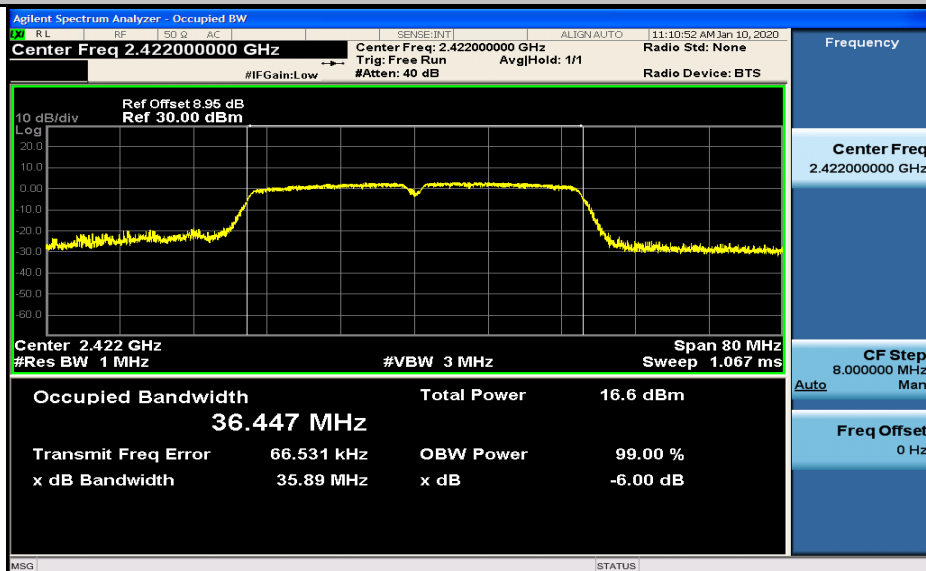
### Occupied Bandwidth\_11N20SISO\_2437



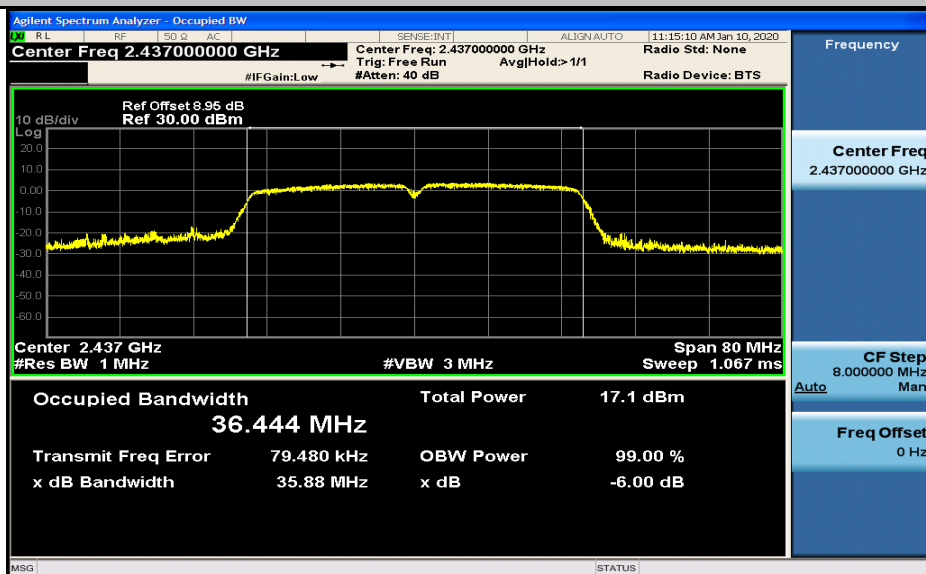
### Occupied Bandwidth\_11N20SISO\_2462



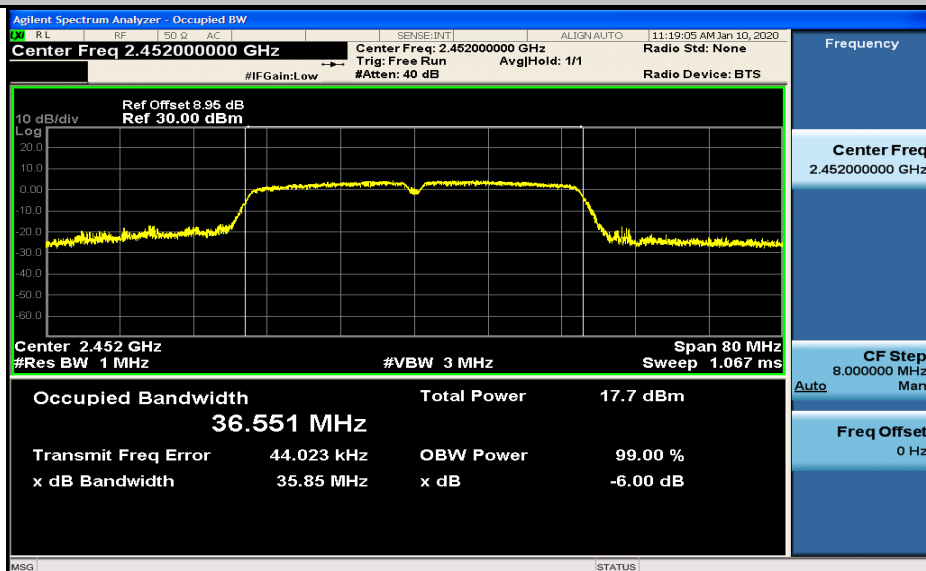
### Occupied Bandwidth\_11N40SISO\_2422



### Occupied Bandwidth\_11N40SISO\_2437



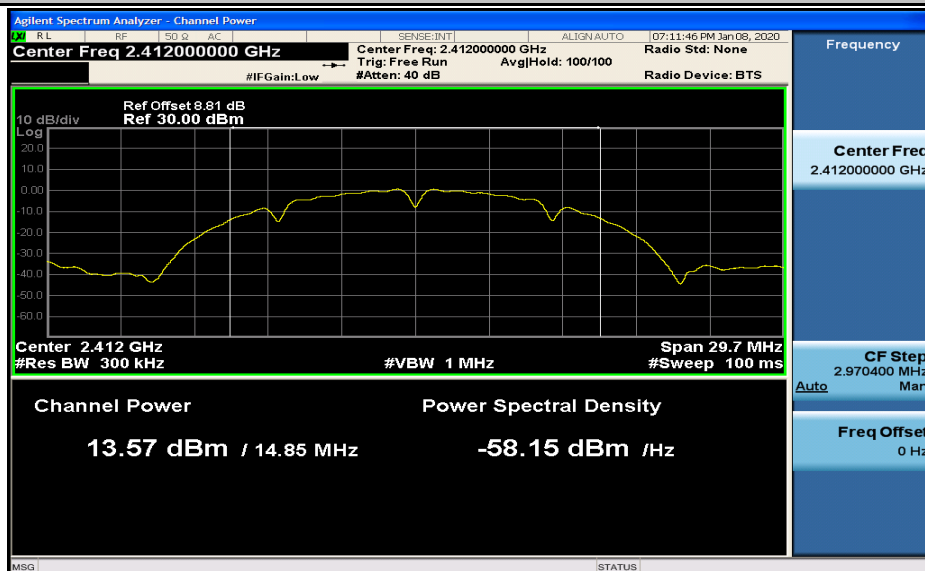
### Occupied Bandwidth\_11N40SISO\_2452



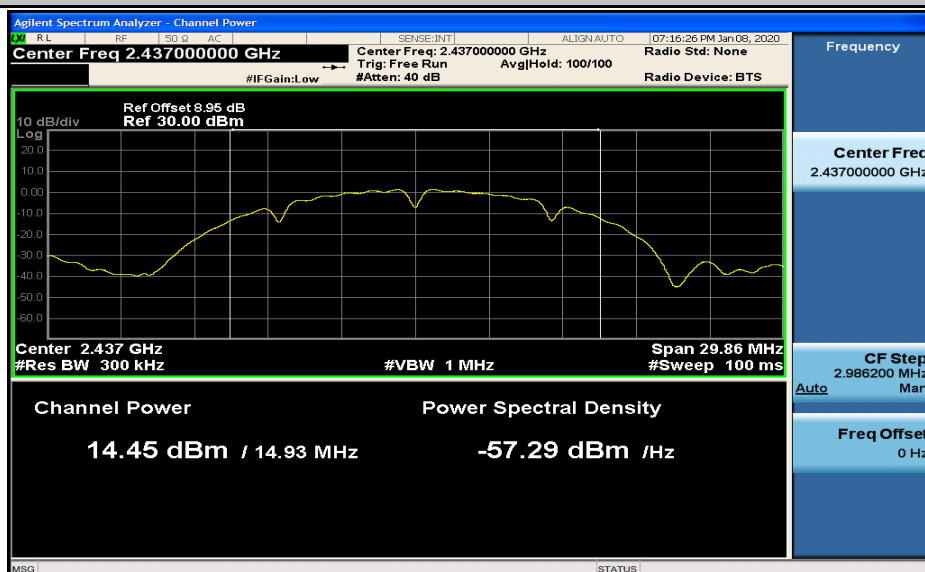
### 3.Maximum conducted (average) output power

| Test Mode | Test Channel | Ant  | Level [dBm] | 10log(1/x) Factor[dB] | Power [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|-------------|-----------------------|-------------|-------------|---------|
| 11B       | 2412         | Ant1 | 13.57       | 0.00                  | 13.57       | 30          | PASS    |
| 11B       | 2437         | Ant1 | 14.45       | 0.00                  | 14.45       | 30          | PASS    |
| 11B       | 2462         | Ant1 | 15.23       | 0.00                  | 15.23       | 30          | PASS    |
| 11G       | 2412         | Ant1 | 10.44       | 0.00                  | 10.44       | 30          | PASS    |
| 11G       | 2437         | Ant1 | 11.03       | 0.00                  | 11.03       | 30          | PASS    |
| 11G       | 2462         | Ant1 | 11.71       | 0.00                  | 11.71       | 30          | PASS    |
| 11N20SISO | 2412         | Ant1 | 9.39        | 0.00                  | 9.39        | 30          | PASS    |
| 11N20SISO | 2437         | Ant1 | 10.43       | 0.00                  | 10.43       | 30          | PASS    |
| 11N20SISO | 2462         | Ant1 | 11.29       | 0.00                  | 11.29       | 30          | PASS    |
| 11N40SISO | 2422         | Ant1 | 9.34        | 0.00                  | 9.34        | 30          | PASS    |
| 11N40SISO | 2437         | Ant1 | 9.95        | 0.00                  | 9.95        | 30          | PASS    |
| 11N40SISO | 2452         | Ant1 | 10.48       | 0.00                  | 10.48       | 30          | PASS    |

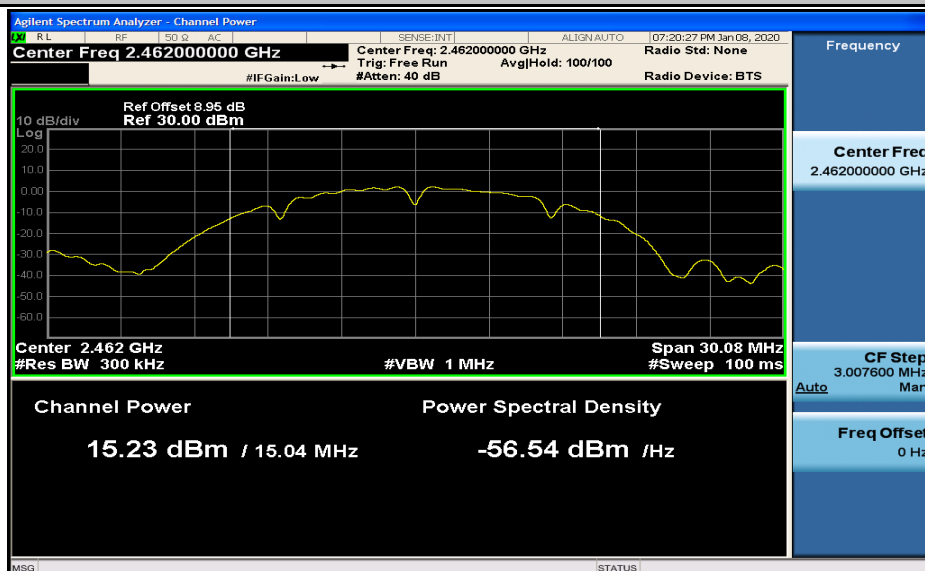
Maximum conducted (average) output power\_11B\_2412\_Ant1



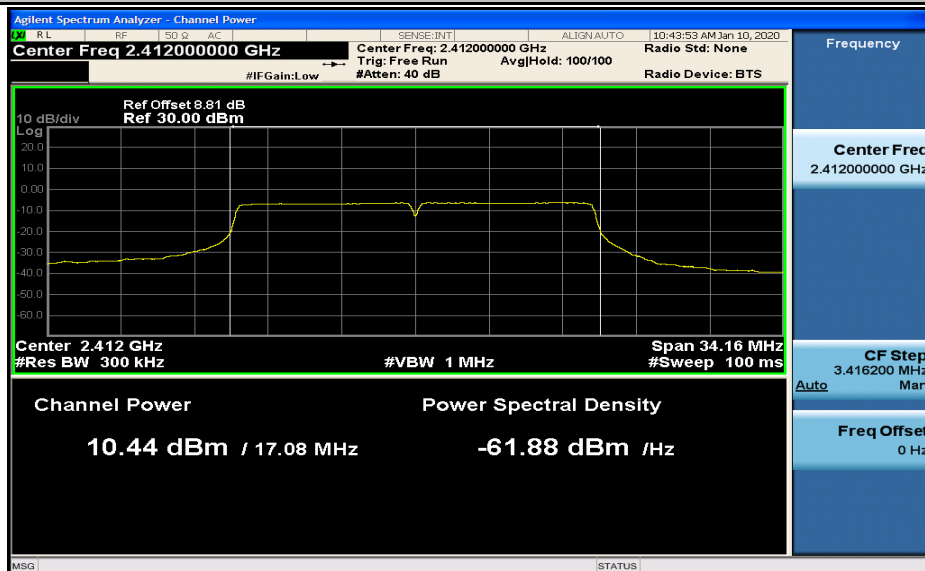
Maximum conducted (average) output power\_11B\_2437\_Ant1



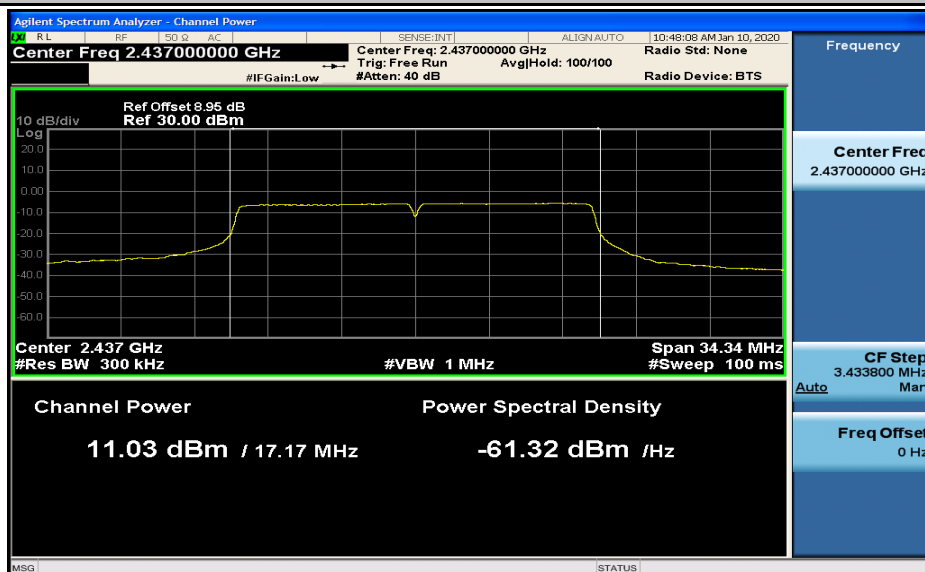
Maximum conducted (average) output power\_11B\_2462\_Ant1



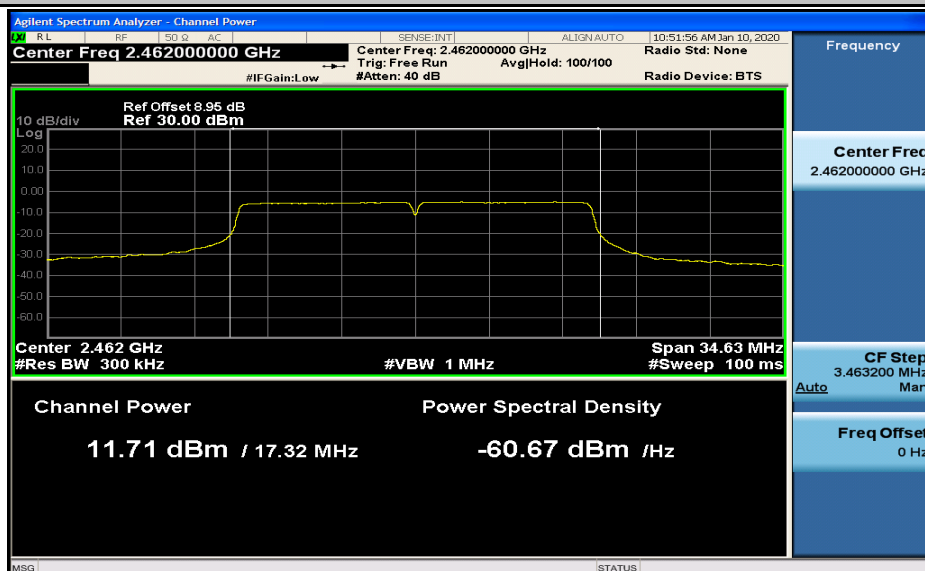
Maximum conducted (average) output power\_11G\_2412\_Ant1



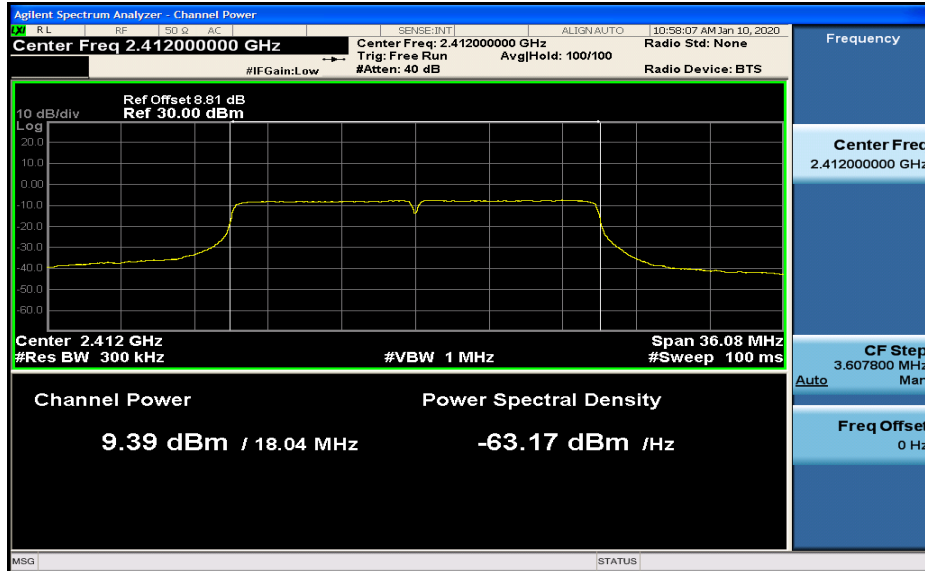
Maximum conducted (average) output power\_11G\_2437\_Ant1



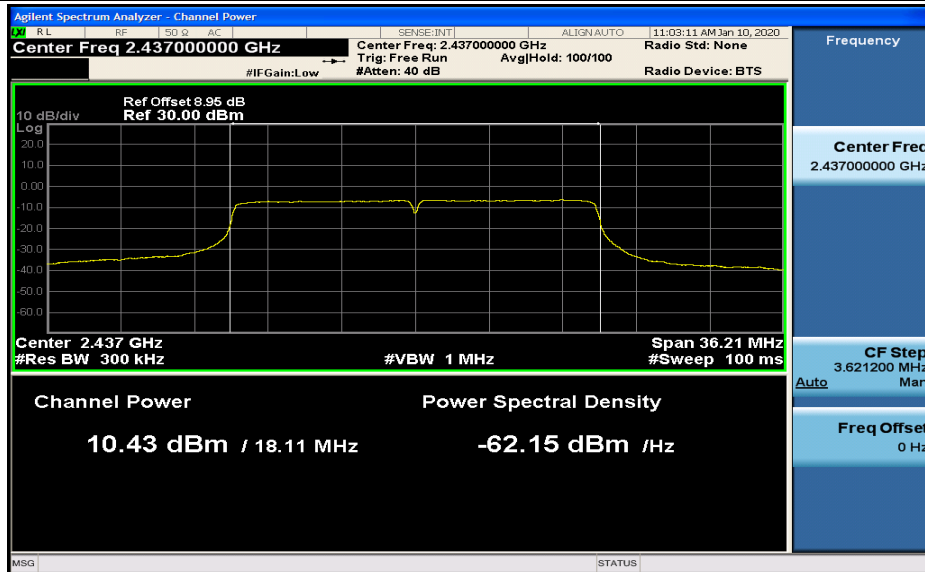
Maximum conducted (average) output power\_11G\_2462\_Ant1



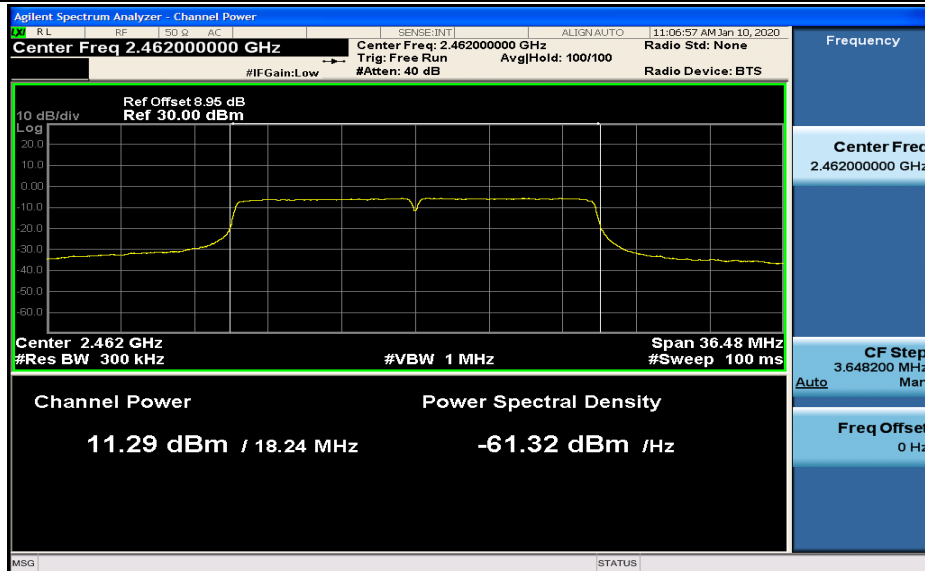
Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



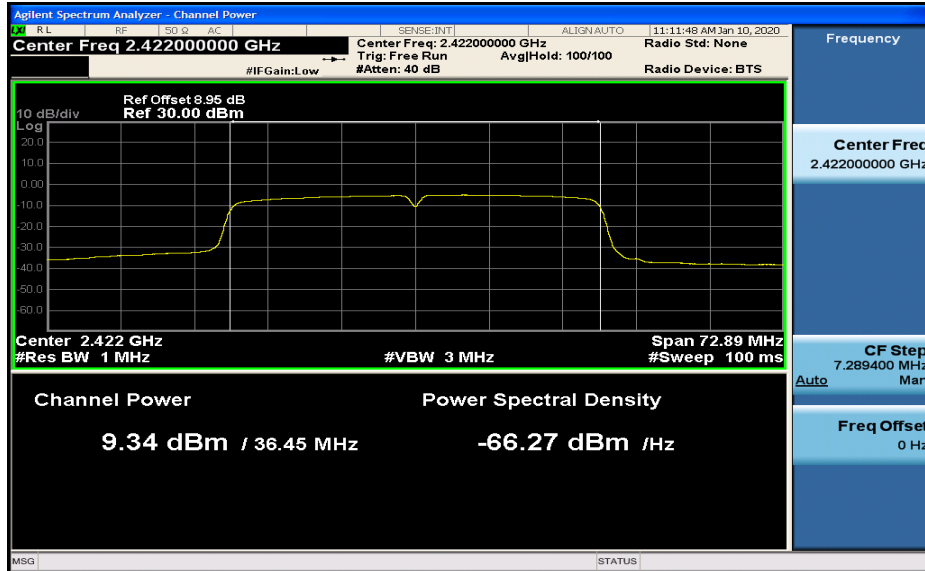
Maximum conducted (average) output power\_11N20SISO\_2437\_Ant1



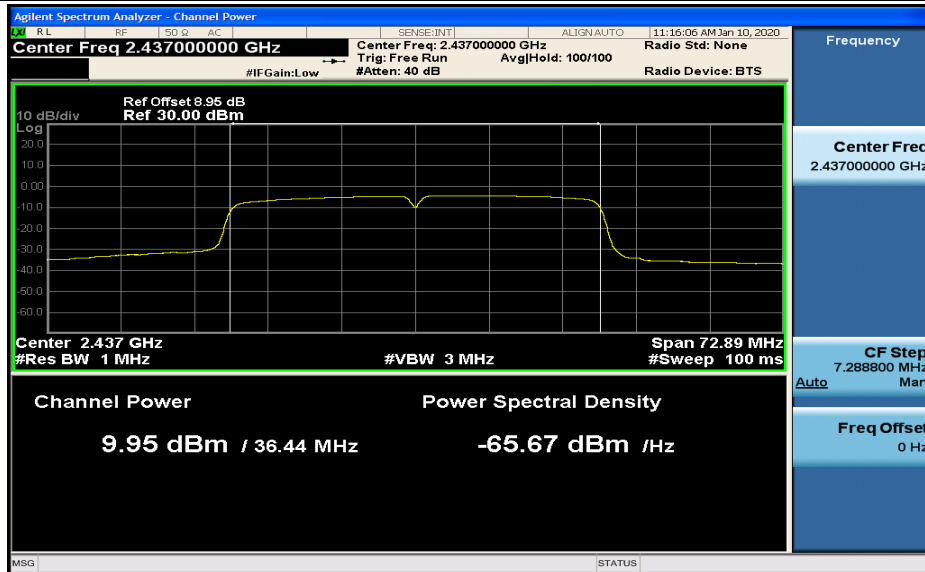
Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1



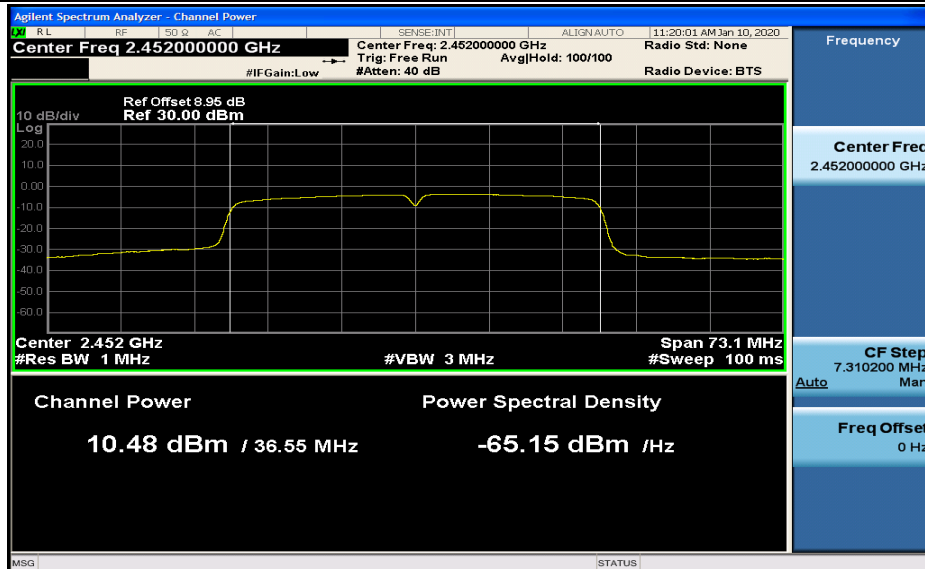
Maximum conducted (average) output power\_11N40SISO\_2422\_Ant1



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



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

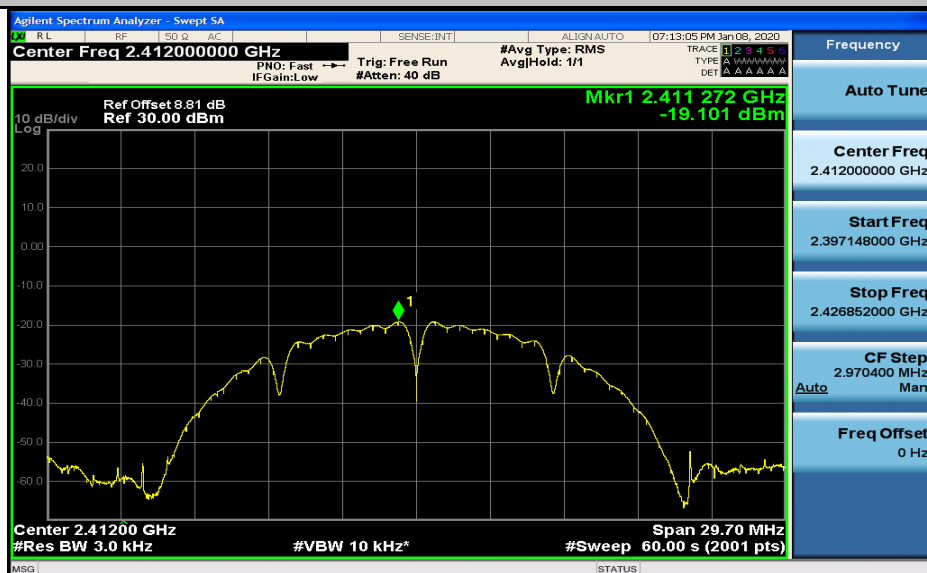


**4.Maximum(average) power spectral density**

| Test Mode | Test Channel | Ant  | Level [dBm/3kHz] | 10log(1/x) Factor[dB] | PSD[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|--------------|------|------------------|-----------------------|---------------|-----------------|---------|
| 11B       | 2412         | Ant1 | -19.10           | 0.00                  | -19.10        | 8.00            | PASS    |
| 11B       | 2437         | Ant1 | -18.30           | 0.00                  | -18.30        | 8.00            | PASS    |
| 11B       | 2462         | Ant1 | -17.53           | 0.00                  | -17.53        | 8.00            | PASS    |
| 11G       | 2412         | Ant1 | -24.31           | 0.00                  | -24.31        | 8.00            | PASS    |
| 11G       | 2437         | Ant1 | -23.70           | 0.00                  | -23.70        | 8.00            | PASS    |
| 11G       | 2462         | Ant1 | -23.05           | 0.00                  | -23.05        | 8.00            | PASS    |
| 11N20SISO | 2412         | Ant1 | -25.47           | 0.00                  | -25.47        | 8.00            | PASS    |
| 11N20SISO | 2437         | Ant1 | -24.42           | 0.00                  | -24.42        | 8.00            | PASS    |
| 11N20SISO | 2462         | Ant1 | -23.75           | 0.00                  | -23.75        | 8.00            | PASS    |
| 11N40SISO | 2422         | Ant1 | -28.40           | 0.00                  | -28.40        | 8.00            | PASS    |
| 11N40SISO | 2437         | Ant1 | -27.75           | 0.00                  | -27.75        | 8.00            | PASS    |
| 11N40SISO | 2452         | Ant1 | -27.34           | 0.00                  | -27.34        | 8.00            | PASS    |



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



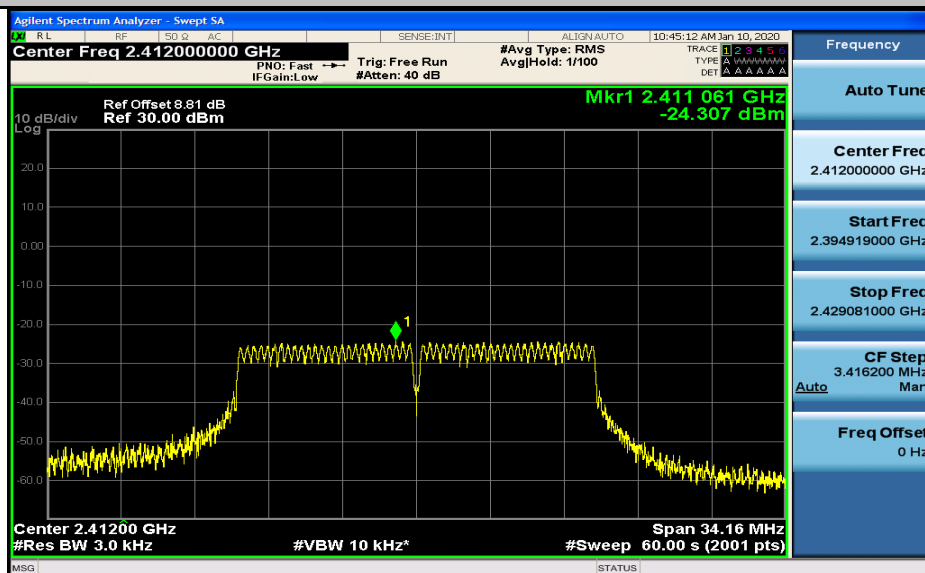
Maximum(average) power spectral density\_11B\_2437\_Ant1



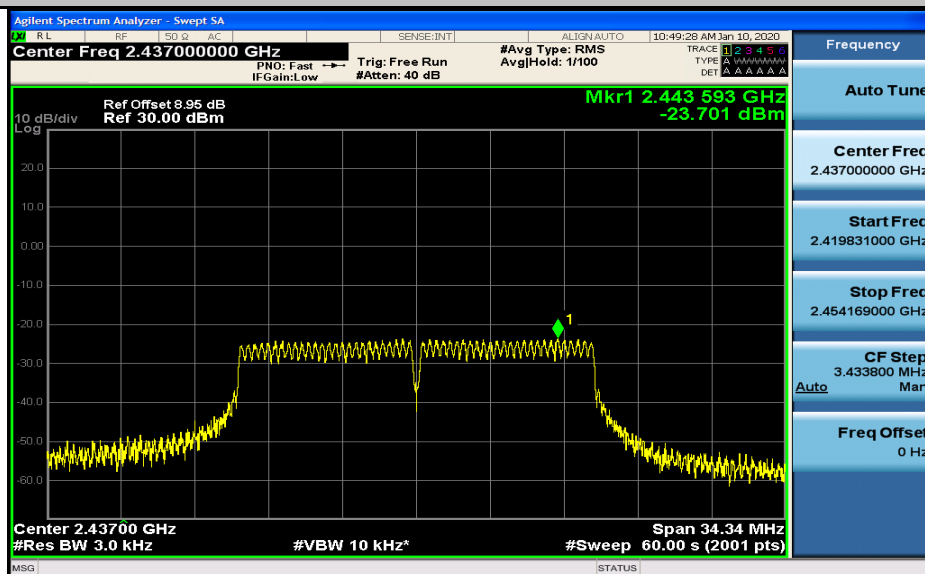
Maximum(average) power spectral density\_11B\_2462\_Ant1



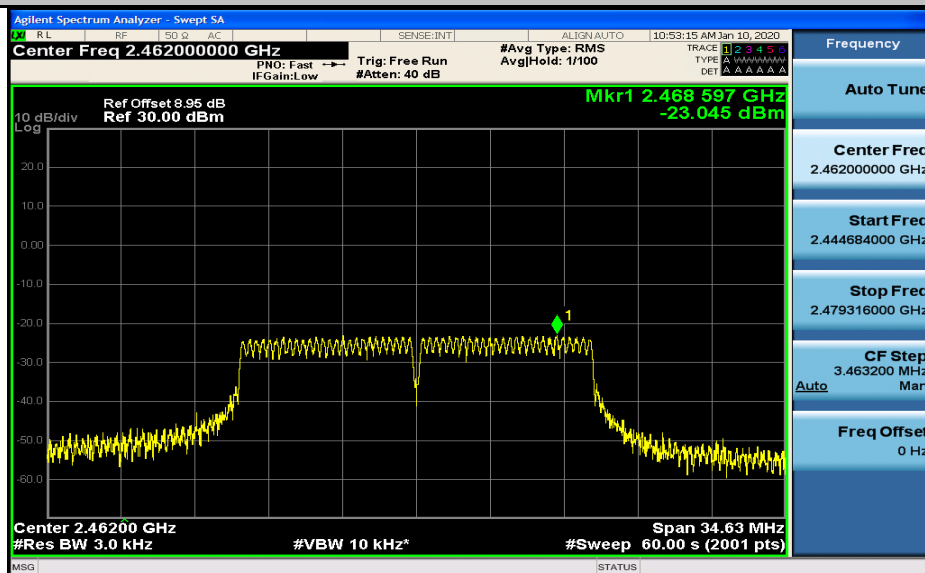
Maximum(average) power spectral density\_11G\_2412\_Ant1



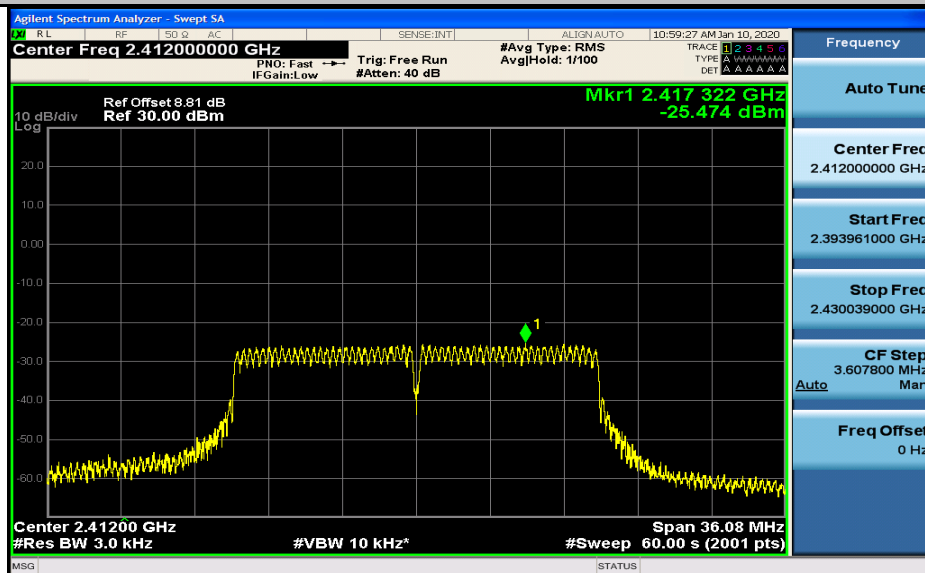
Maximum(average) power spectral density\_11G\_2437\_Ant1



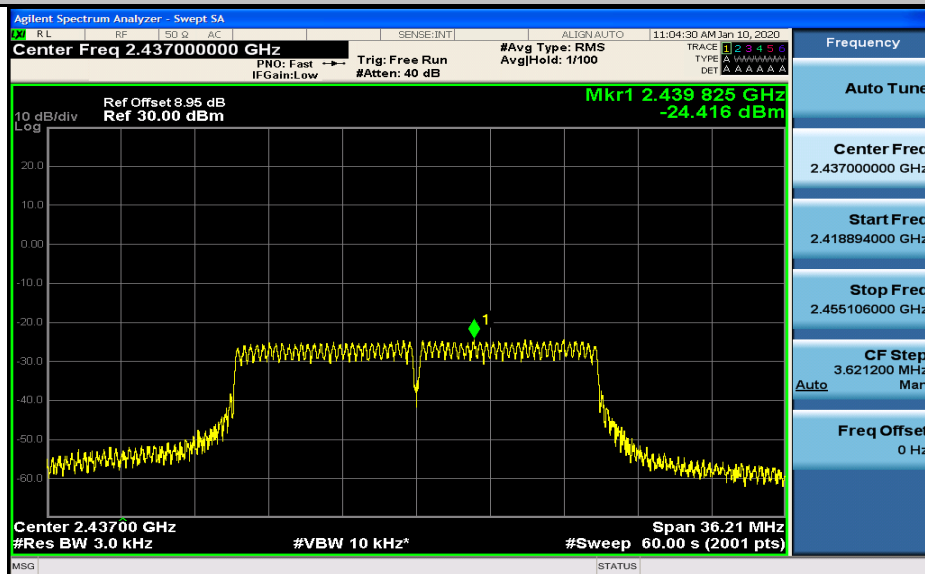
Maximum(average) power spectral density\_11G\_2462\_Ant1



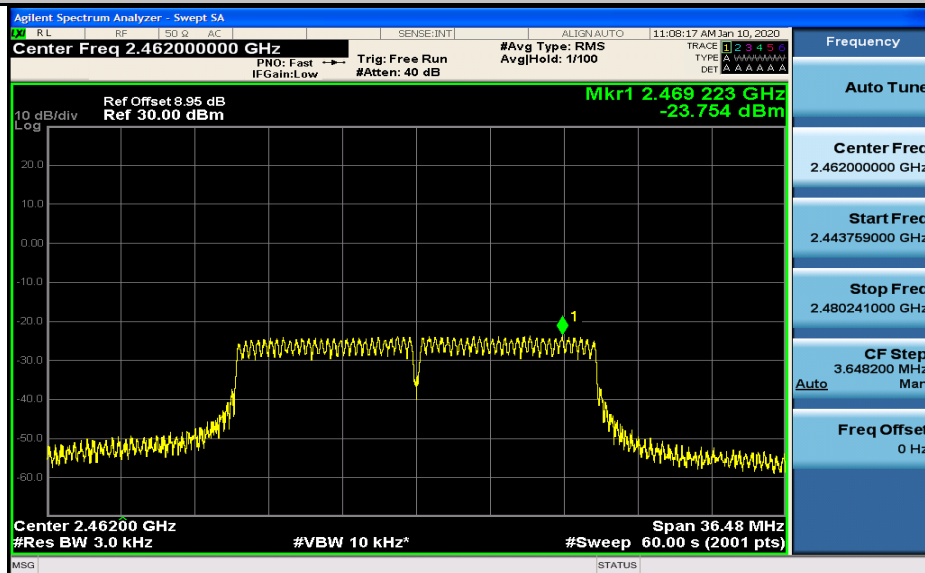
Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



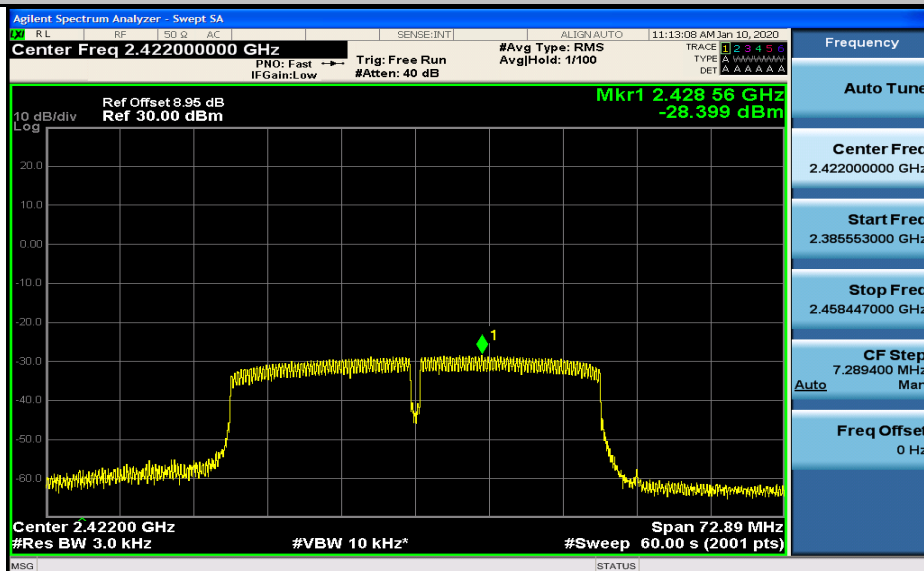
Maximum(average) power spectral density\_11N20SISO\_2437\_Ant1



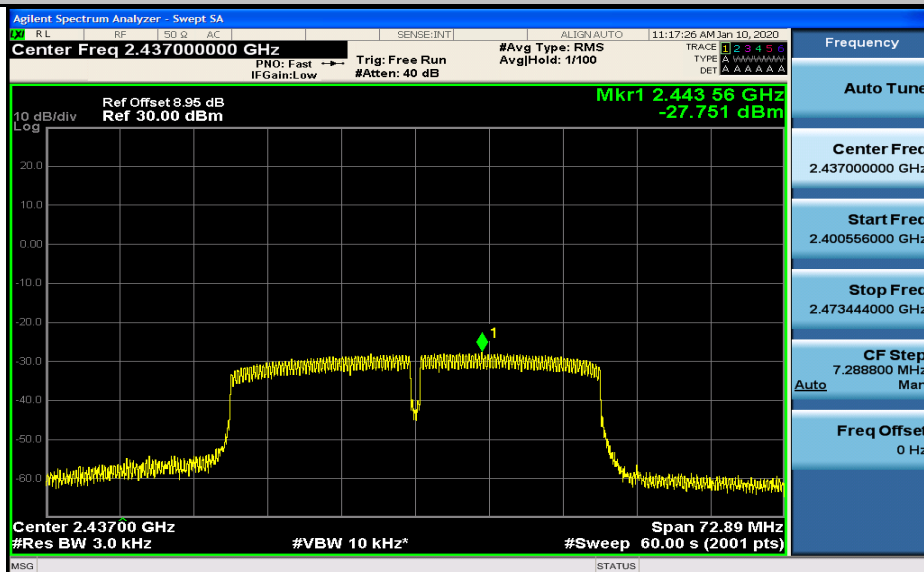
Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1



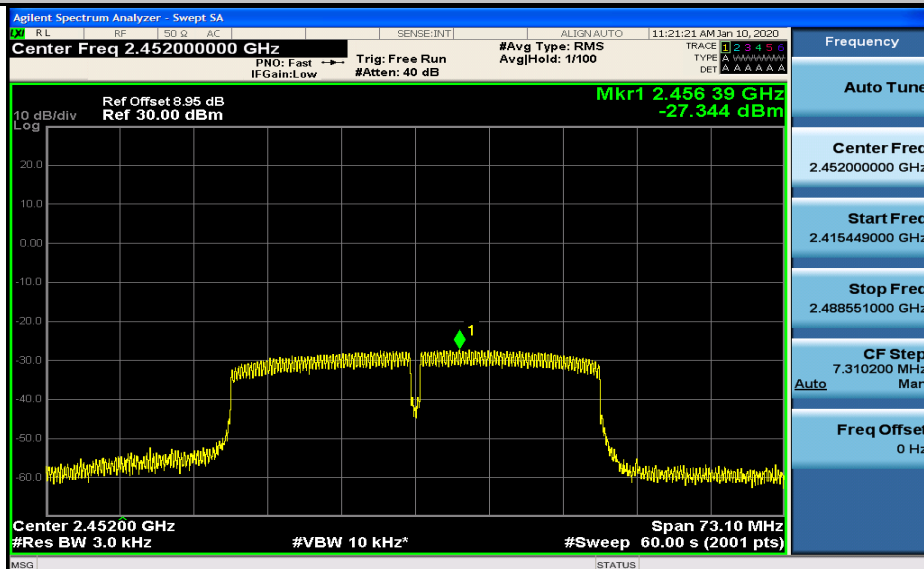
Maximum(average) power spectral density\_11N40SISO\_2422\_Ant1



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



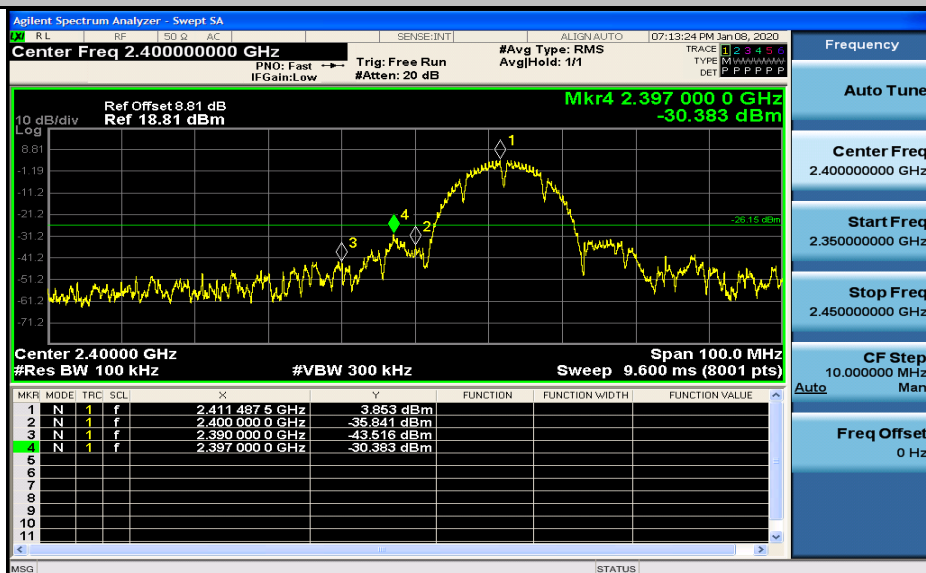
Maximum(average) power spectral density\_11N40SISO\_2452\_Ant1



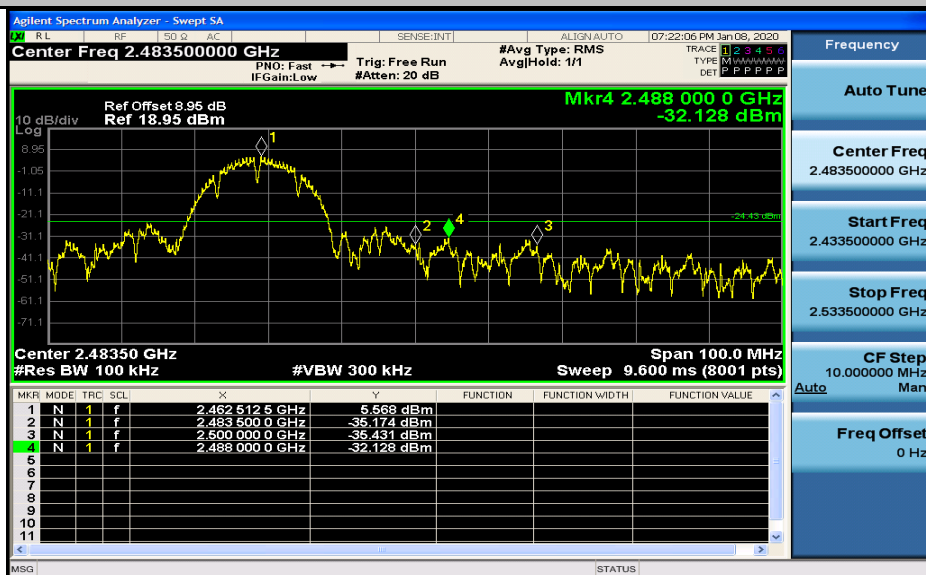
**5.Band-edge for RF Conducted Emissions**

| Test Mode | Test Channel | Ant  | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|--------------------|---------------------------|-------------|---------|
| 11B       | 2412         | Ant1 | 3.85               | -30.38                    | -26.15      | PASS    |
| 11B       | 2462         | Ant1 | 5.57               | -32.13                    | -24.43      | PASS    |
| 11G       | 2412         | Ant1 | -7.96              | -38.82                    | -37.96      | PASS    |
| 11G       | 2462         | Ant1 | -4.31              | -35.00                    | -34.31      | PASS    |
| 11N20SISO | 2412         | Ant1 | -7.77              | -39.71                    | -37.77      | PASS    |
| 11N20SISO | 2462         | Ant1 | -4.74              | -36.91                    | -34.74      | PASS    |
| 11N40SISO | 2422         | Ant1 | -13.47             | -44.81                    | -43.47      | PASS    |
| 11N40SISO | 2452         | Ant1 | -10.38             | -40.66                    | -40.38      | PASS    |

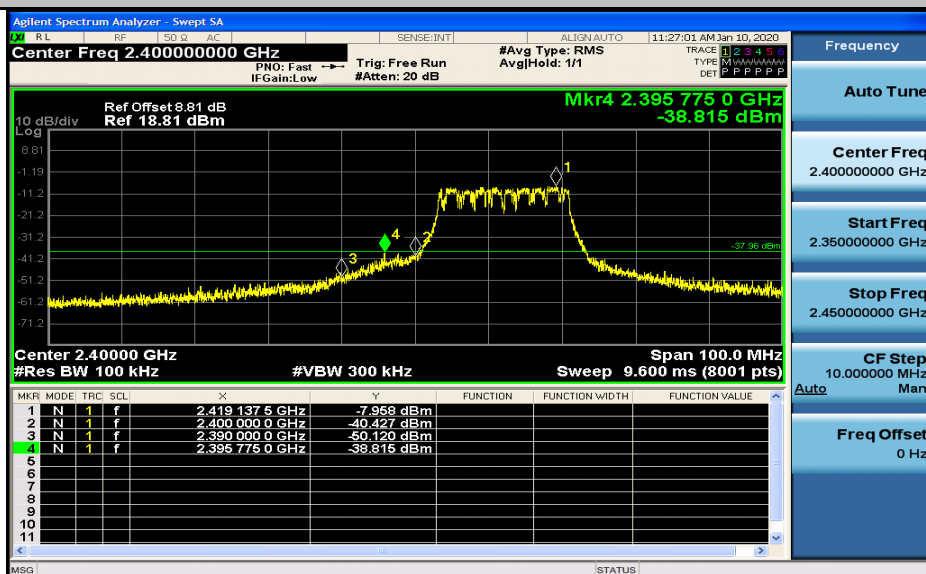
## Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



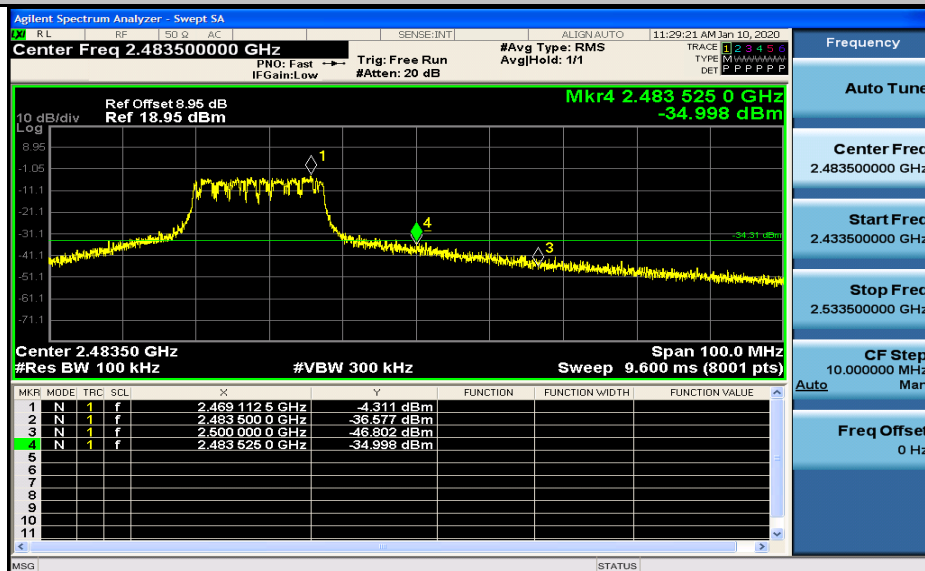
## Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



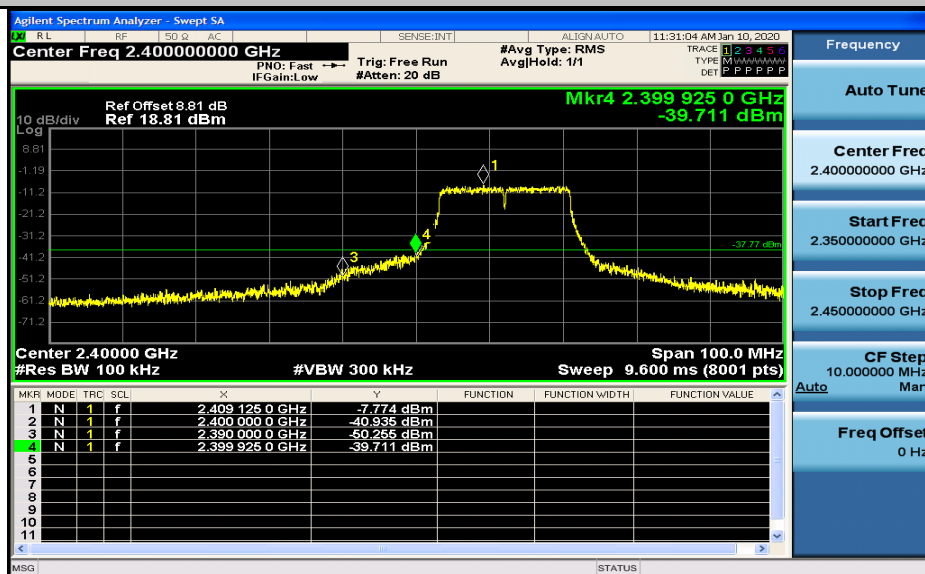
## Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



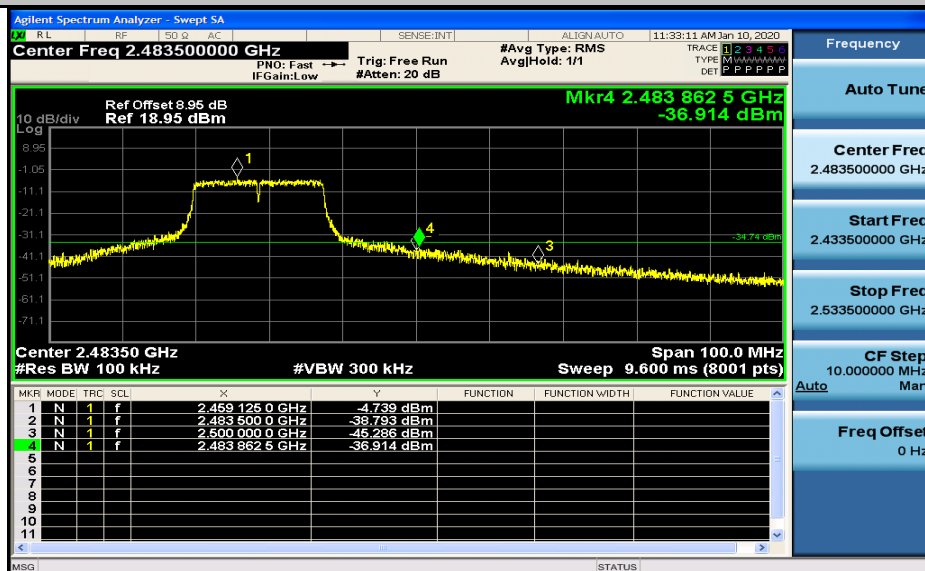
Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



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

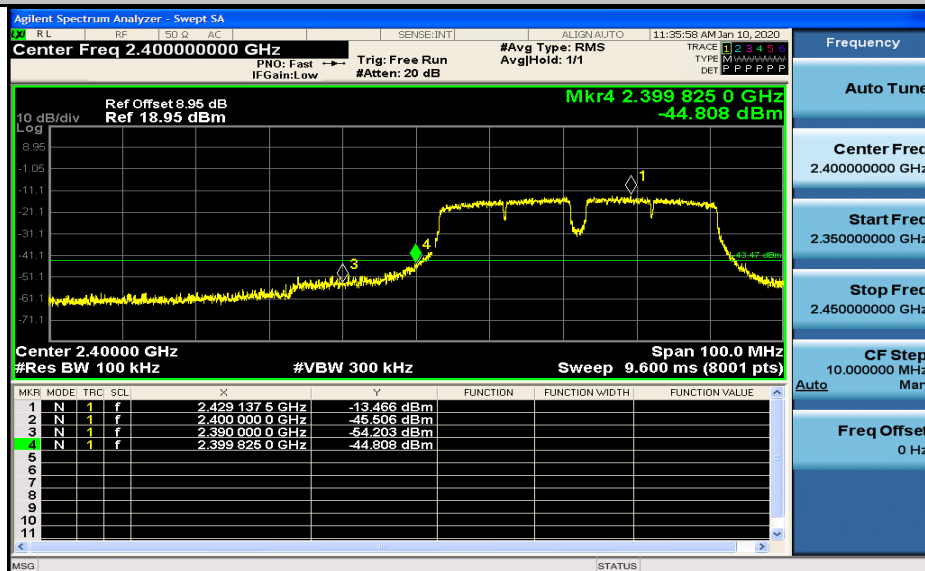


Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1

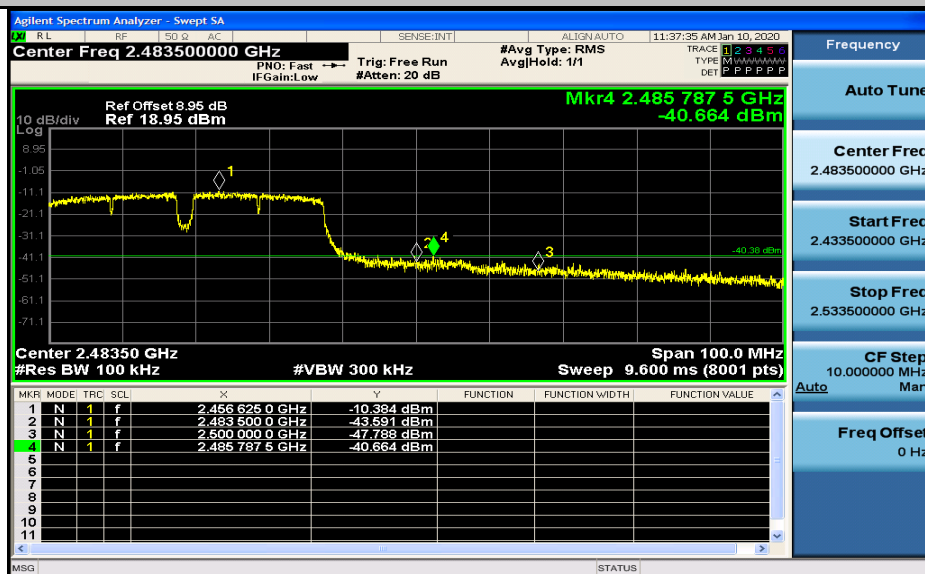




Band-edge for RF Conducted Emissions\_11N40SISO\_2422\_Ant1



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





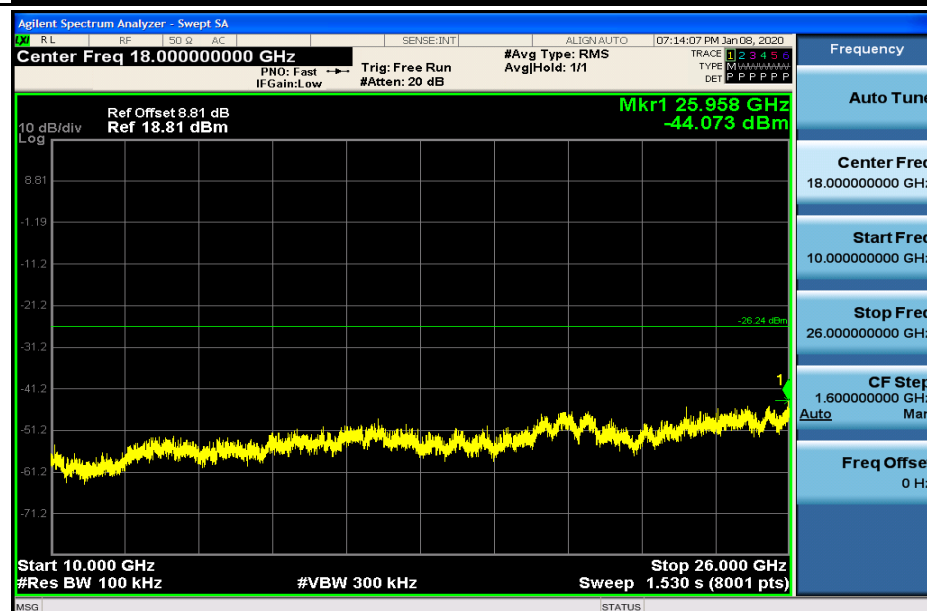
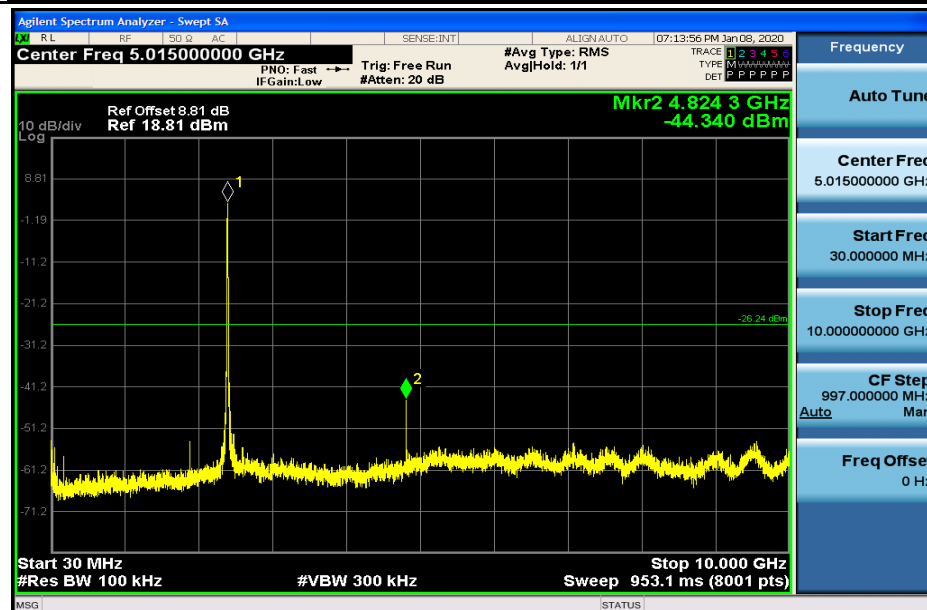
## 6.RF Conducted Spurious Emissions

| 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       | 3.76      | -44.34           | <-<br>26.24  | PASS    |
| 11B       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | 3.763     | -44.073          | <-<br>26.237 | PASS    |
| 11B       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 4.64      | -43.75           | <-<br>25.36  | PASS    |
| 11B       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 4.643     | -43.957          | <-<br>25.357 | PASS    |
| 11B       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 5.48      | -44.92           | <-<br>24.52  | PASS    |
| 11B       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 5.484     | -44.365          | <-<br>24.516 | PASS    |
| 11G       | 2412         | Ant1 | 30             | 10000         | 100       | 300       | -4.29     | -49.95           | <-<br>34.29  | PASS    |
| 11G       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | -4.287    | -44.741          | <-<br>34.287 | PASS    |
| 11G       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -3.24     | -52.73           | <-<br>33.24  | PASS    |
| 11G       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -3.24     | -43.378          | <-<br>33.24  | PASS    |
| 11G       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | -2.76     | -51.59           | <-<br>32.76  | PASS    |
| 11G       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | -2.762    | -43.960          | <-<br>32.762 | PASS    |
| 11N20SISO | 2412         | Ant1 | 30             | 10000         | 100       | 300       | -4.79     | -50.34           | <-<br>34.79  | PASS    |
| 11N20SISO | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | -4.787    | -44.386          | <-<br>34.787 | PASS    |
| 11N20SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -3.76     | -53.04           | <-<br>33.76  | PASS    |
| 11N20SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -3.759    | -43.016          | <-<br>33.759 | PASS    |
| 11N20SISO | 2462         | Ant1 | 30             | 10000         | 100       | 300       | -2.76     | -51.83           | <-<br>32.76  | PASS    |
| 11N20SISO | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | -2.76     | -44.318          | <-<br>32.76  | PASS    |
| 11N40SISO | 2422         | Ant1 | 30             | 10000         | 100       | 300       | -7.61     | -43.05           | <-<br>37.61  | PASS    |
| 11N40SISO | 2422         | Ant1 | 10000          | 26000         | 100       | 300       | -7.614    | -43.806          | <-<br>37.614 | PASS    |
| 11N40SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -6.79     | -43.11           | <-<br>36.79  | PASS    |
| 11N40SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -6.786    | -45.117          | <-<br>36.786 | PASS    |
| 11N40SISO | 2452         | Ant1 | 30             | 10000         | 100       | 300       | -6.34     | -44.73           | <-<br>36.34  | PASS    |

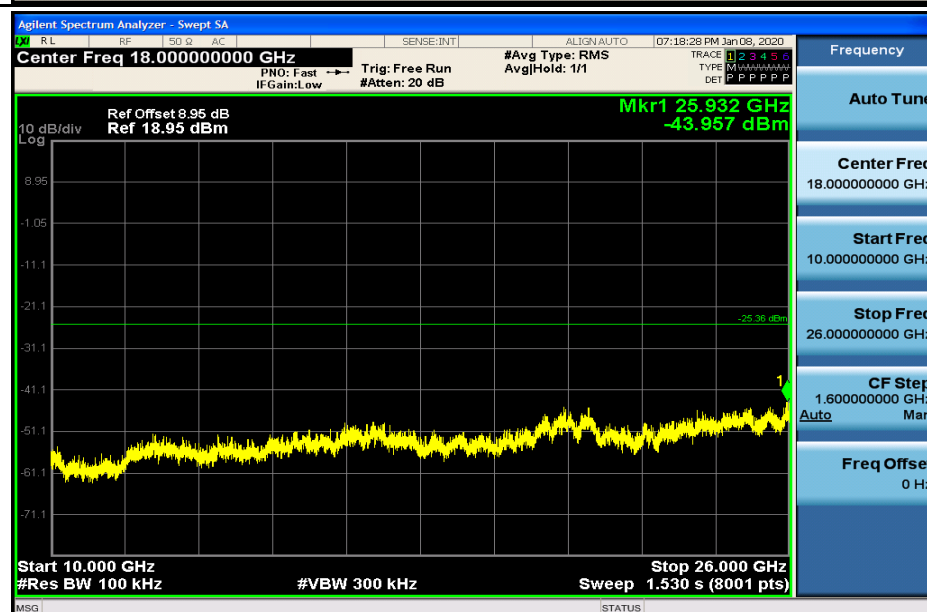
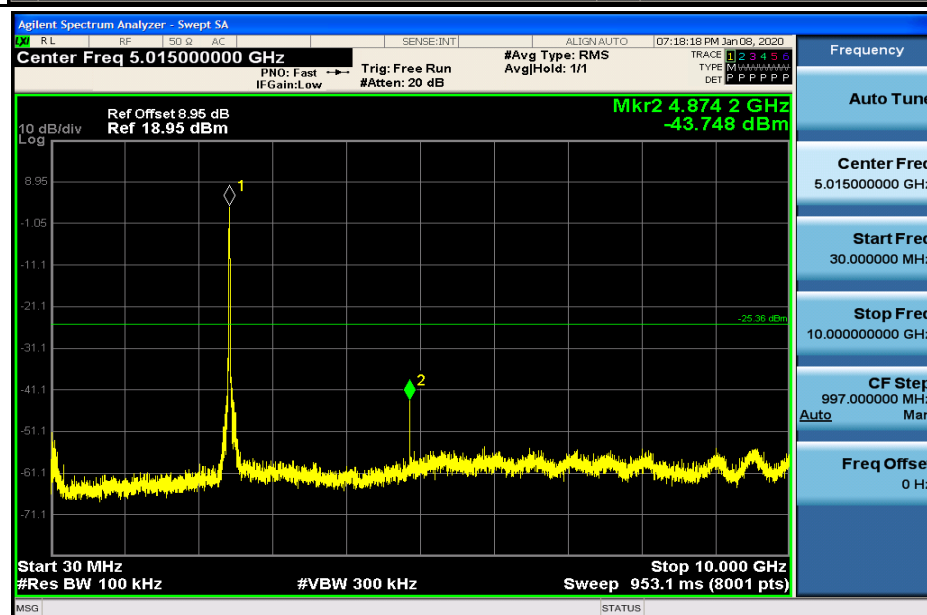
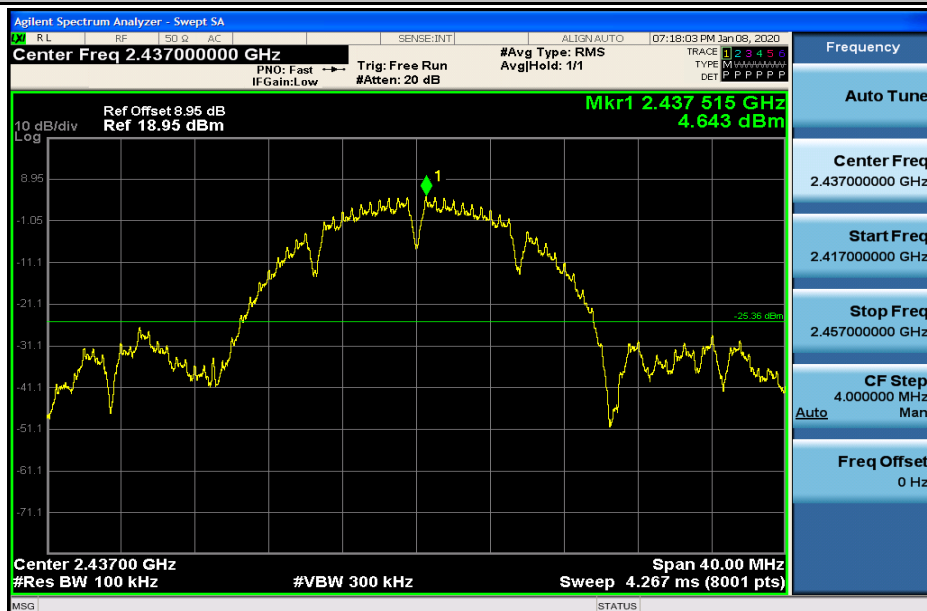


|           |      |      |       |       |     |     |        |         |              |      |
|-----------|------|------|-------|-------|-----|-----|--------|---------|--------------|------|
| 11N40SISO | 2452 | Ant1 | 10000 | 26000 | 100 | 300 | -6.337 | -44.878 | <-<br>36.337 | PASS |
|-----------|------|------|-------|-------|-----|-----|--------|---------|--------------|------|

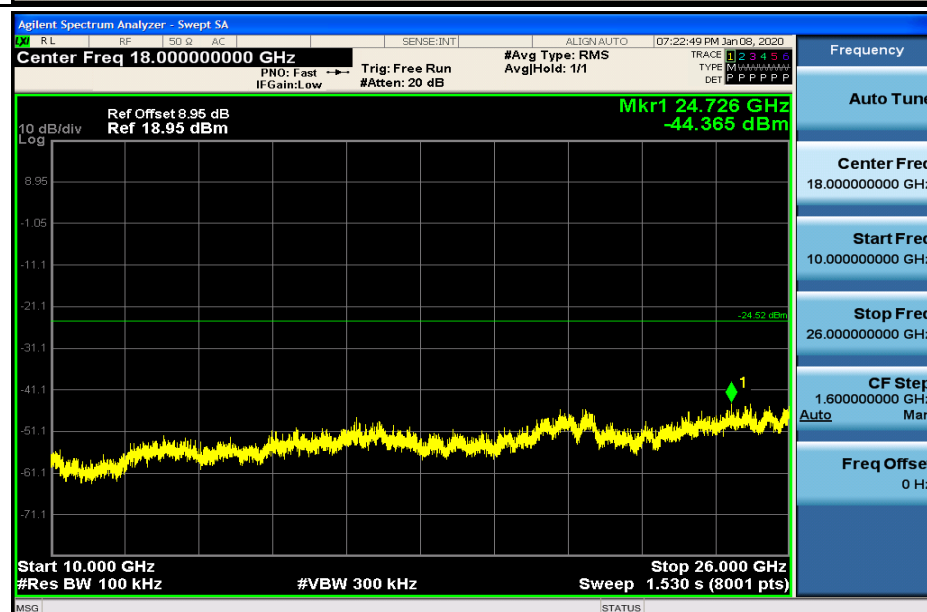
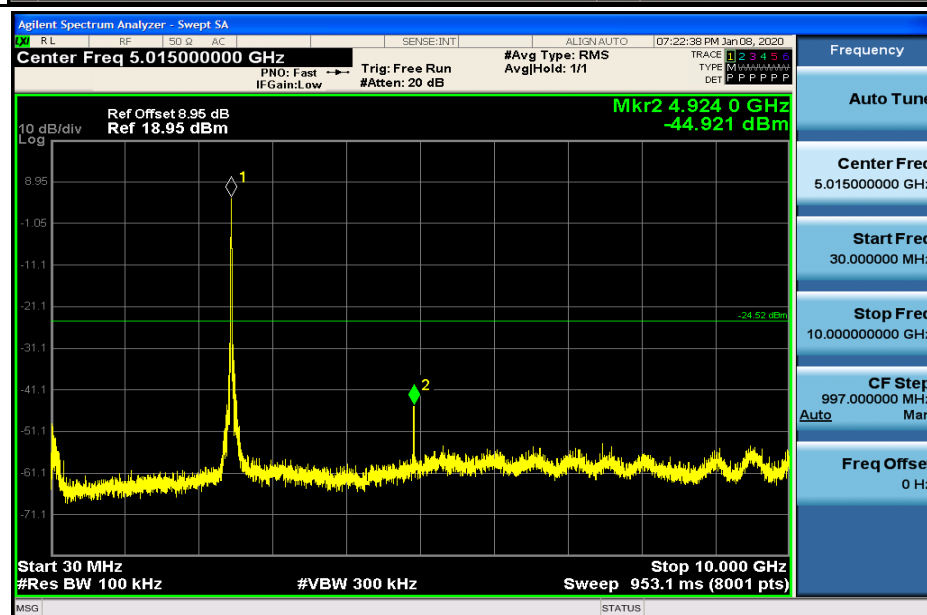
# RF Conducted Spurious Emissions\_11B\_2412



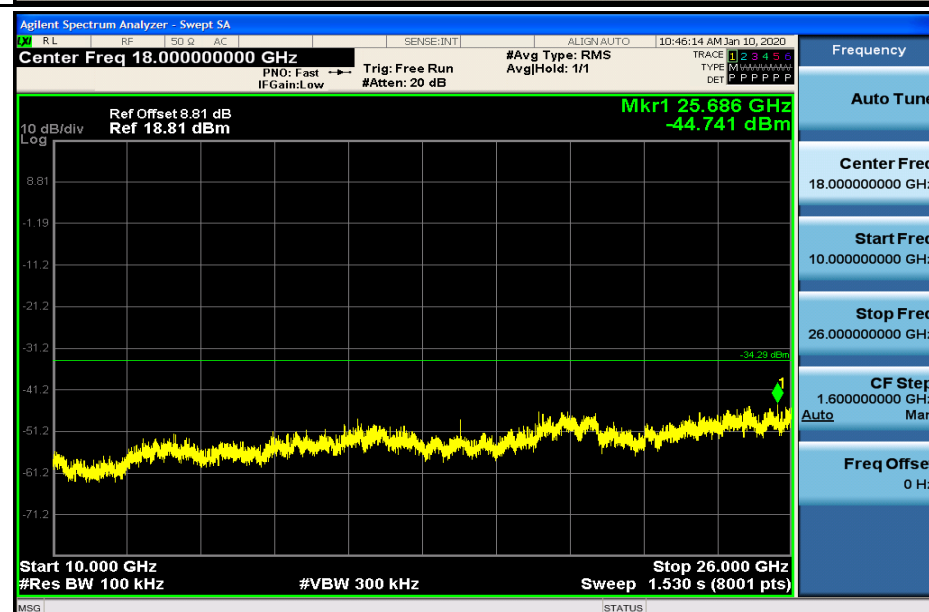
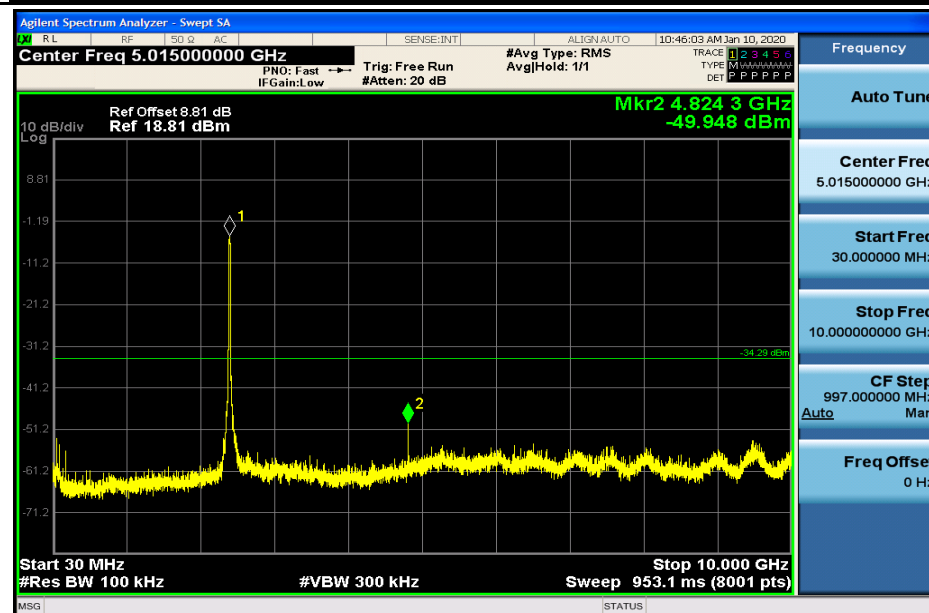
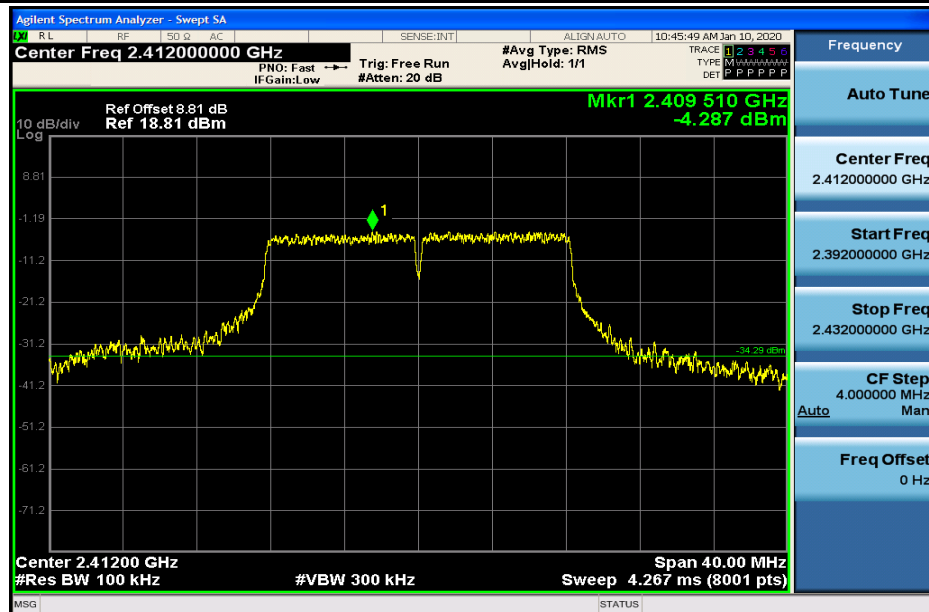
RF Conducted Spurious Emissions\_11B\_2437



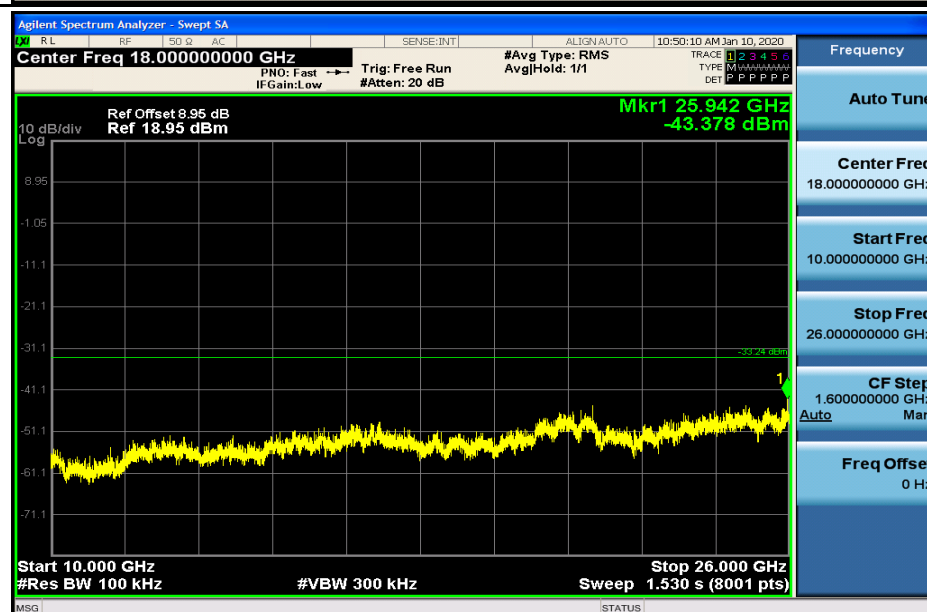
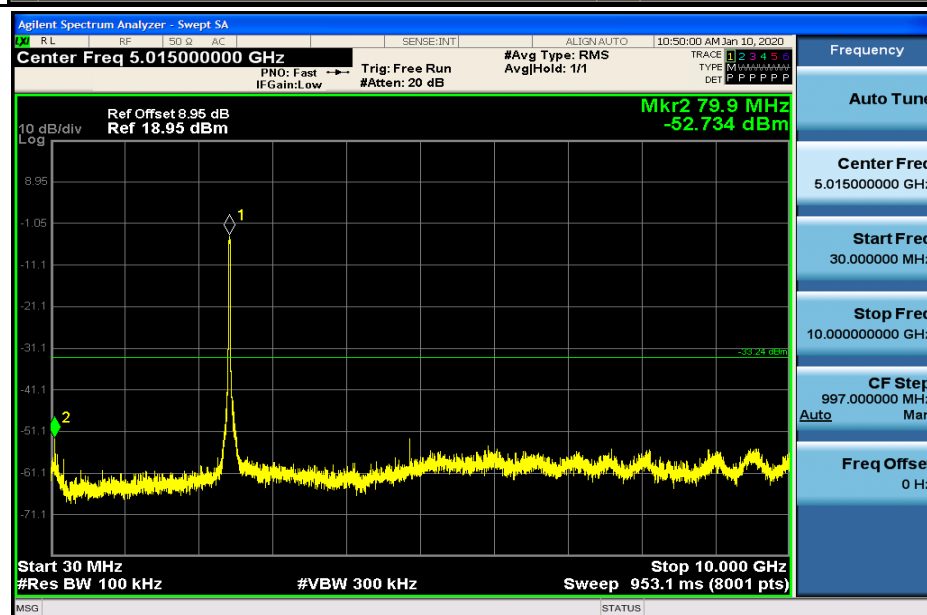
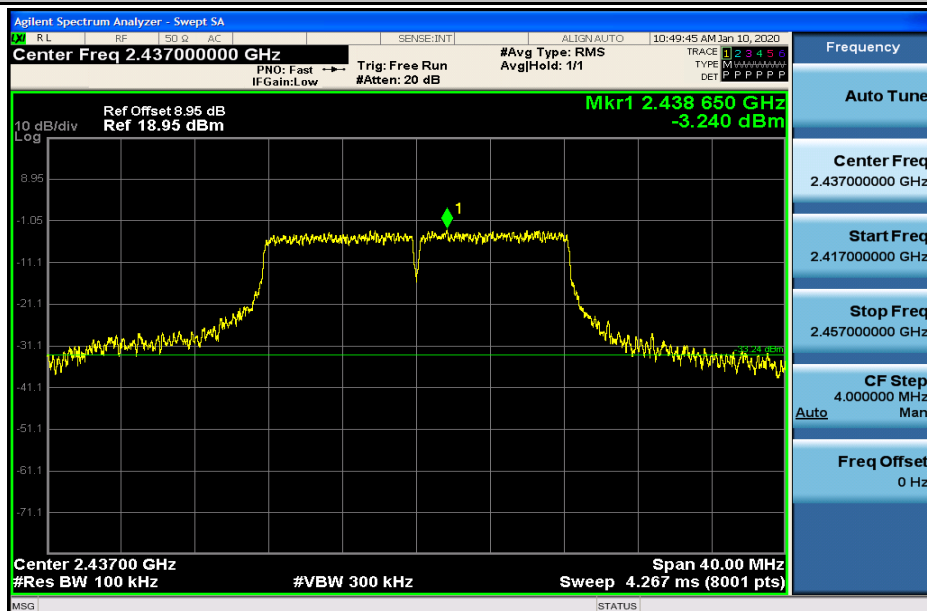
RF Conducted Spurious Emissions\_11B\_2462



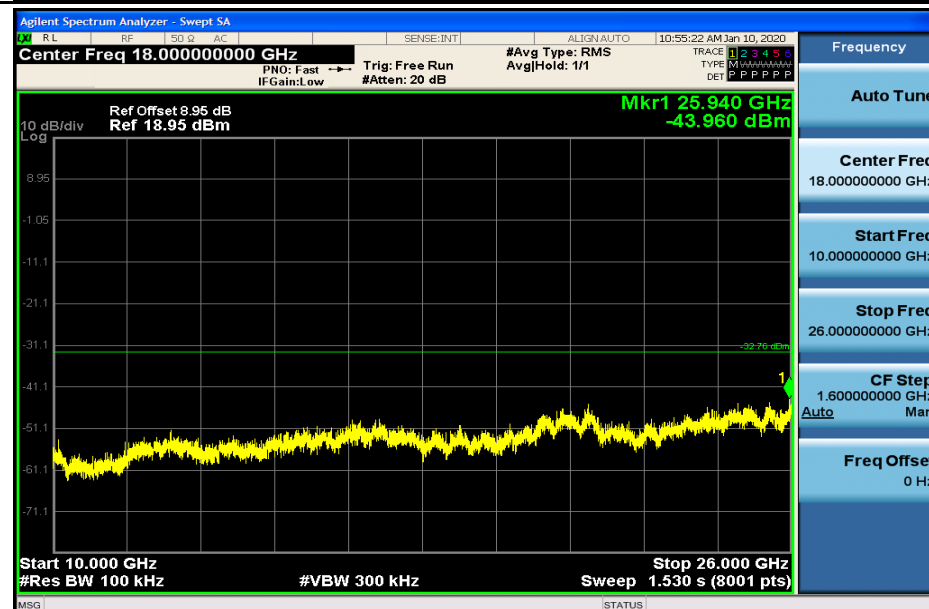
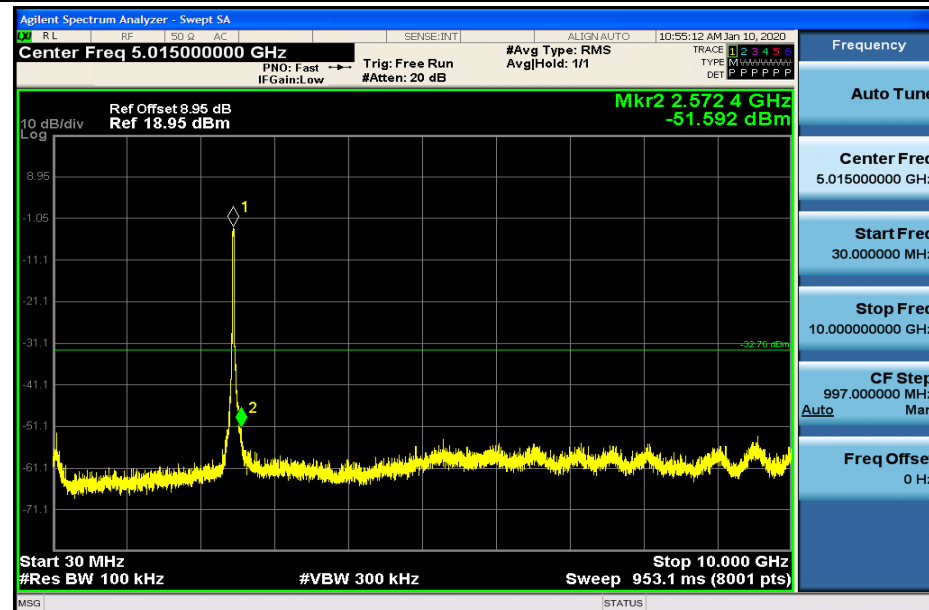
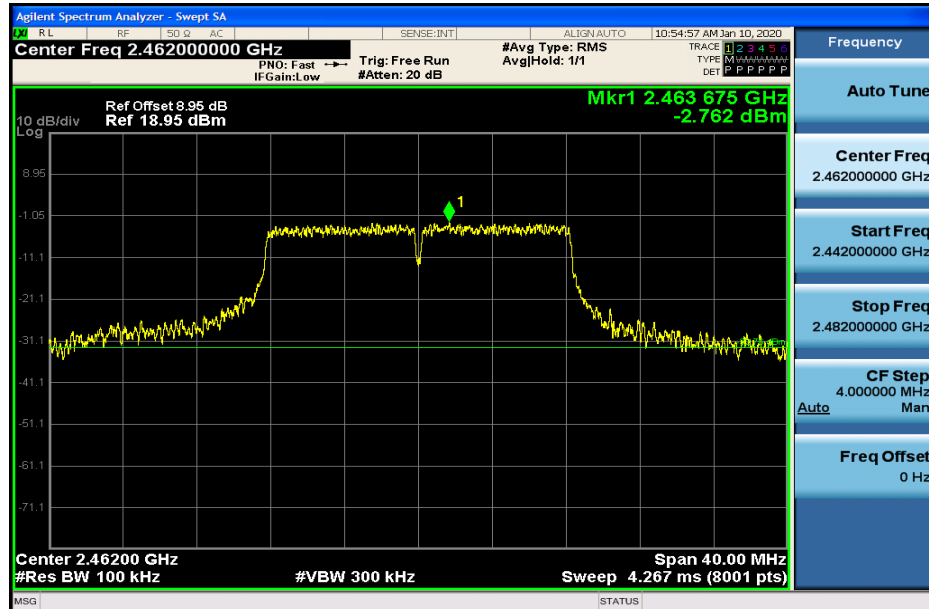
RF Conducted Spurious Emissions\_11G\_2412



RF Conducted Spurious Emissions\_11G\_2437

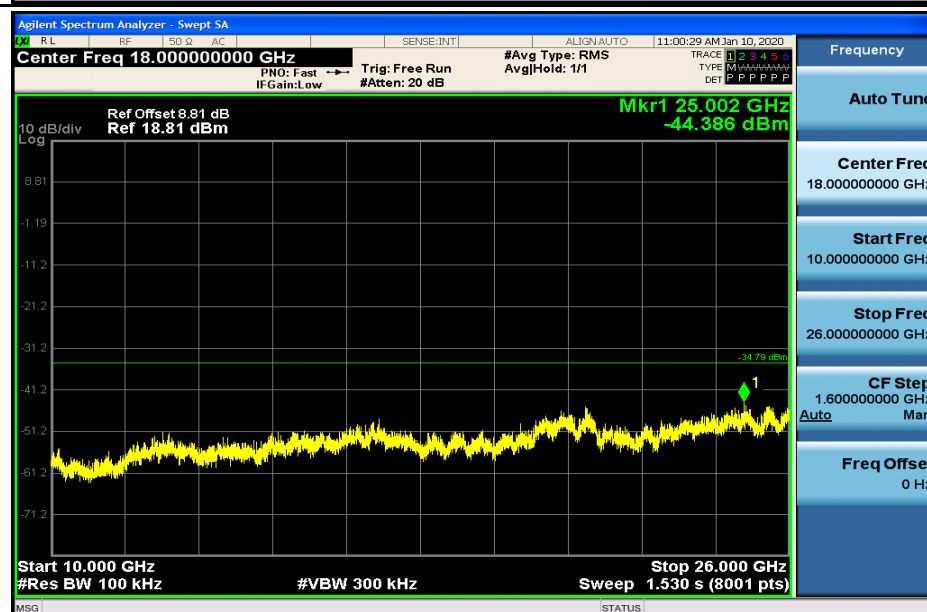
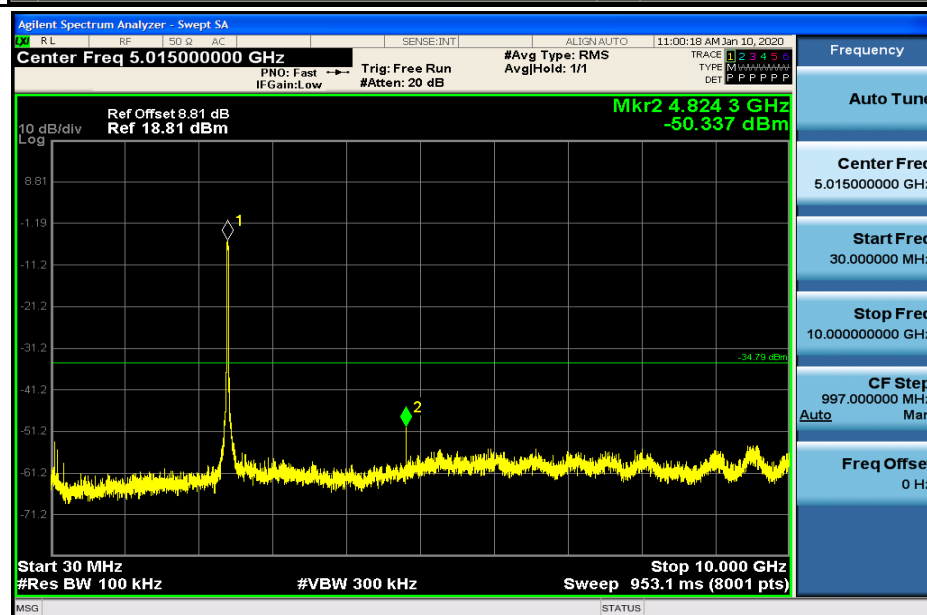
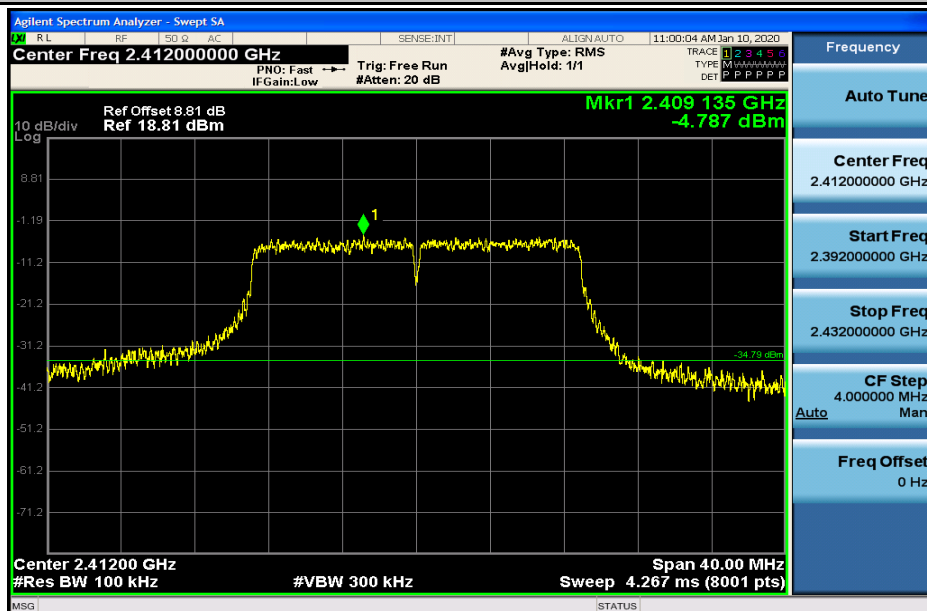


RF Conducted Spurious Emissions\_11G\_2462

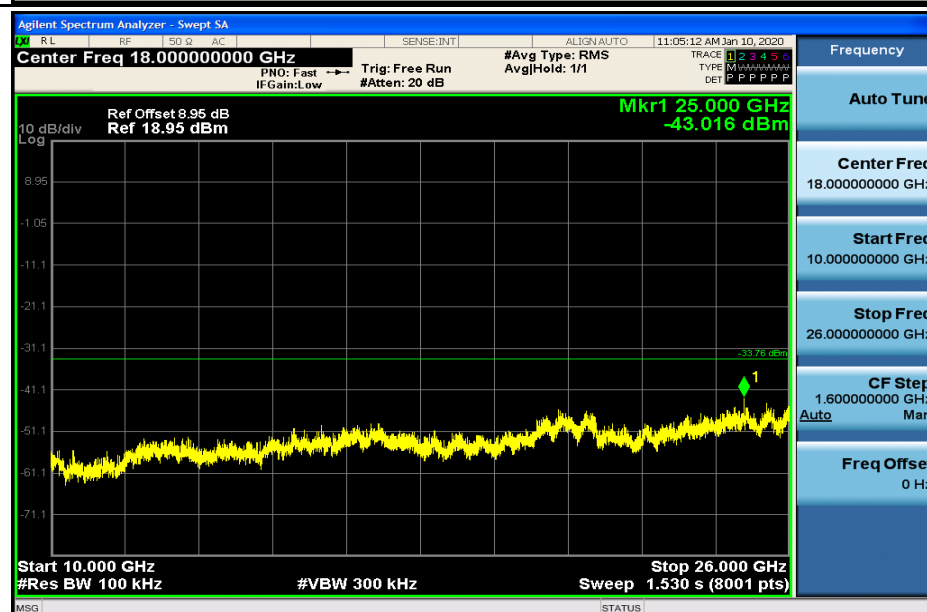
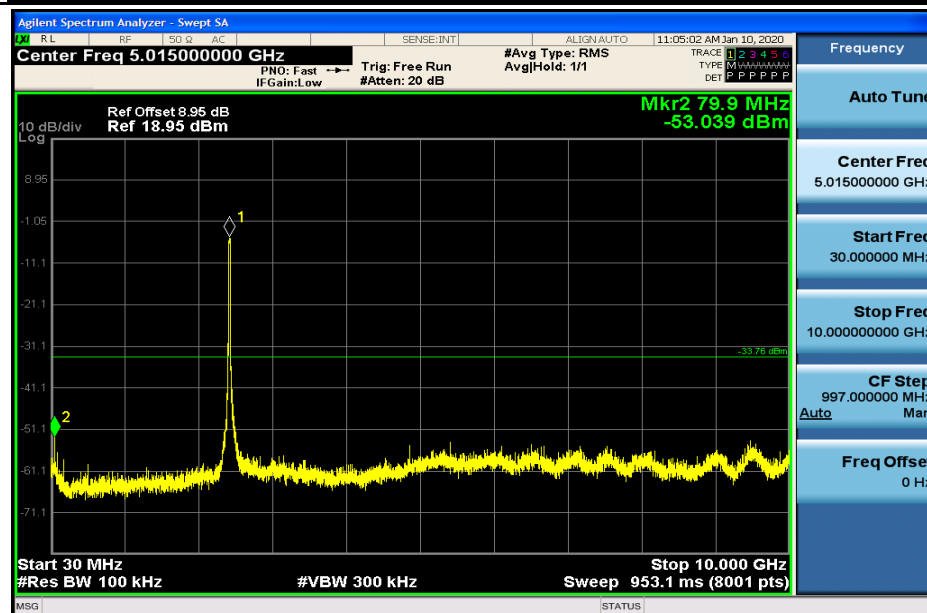
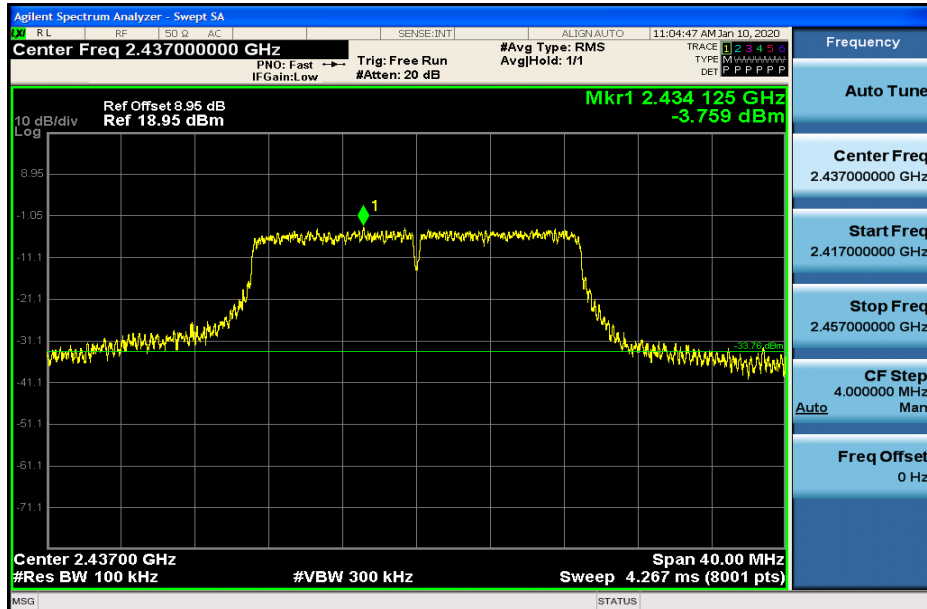




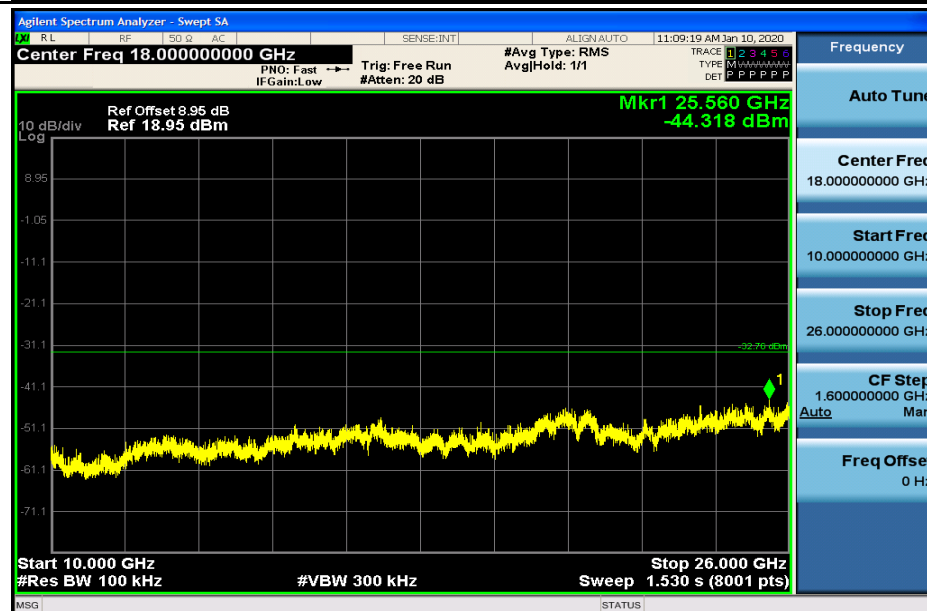
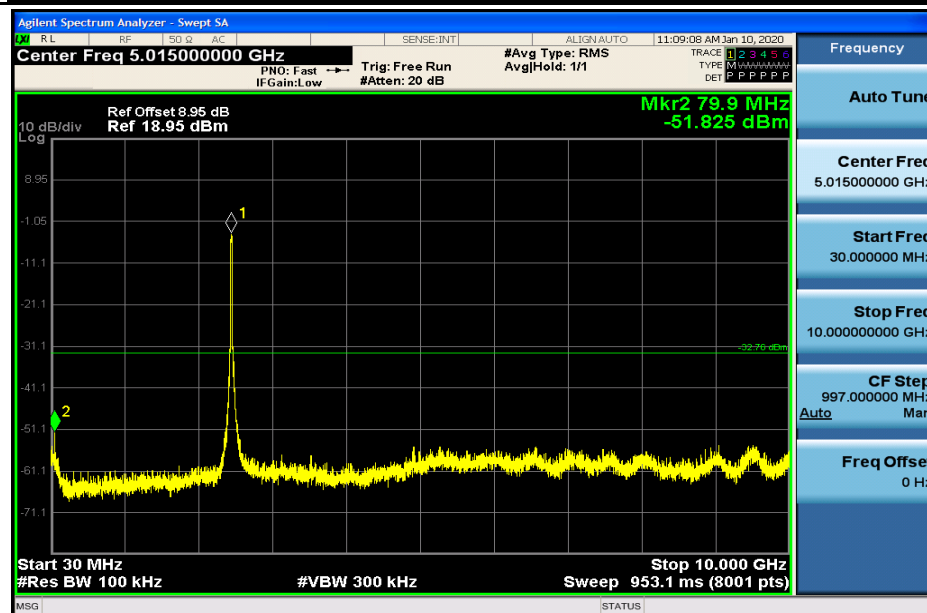
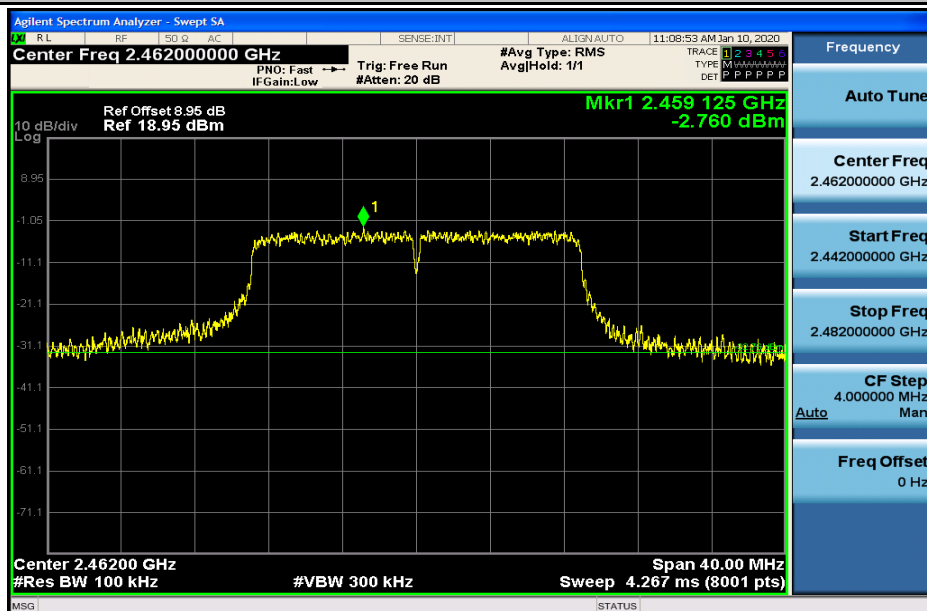
RF Conducted Spurious Emissions\_11N20SISO\_2412



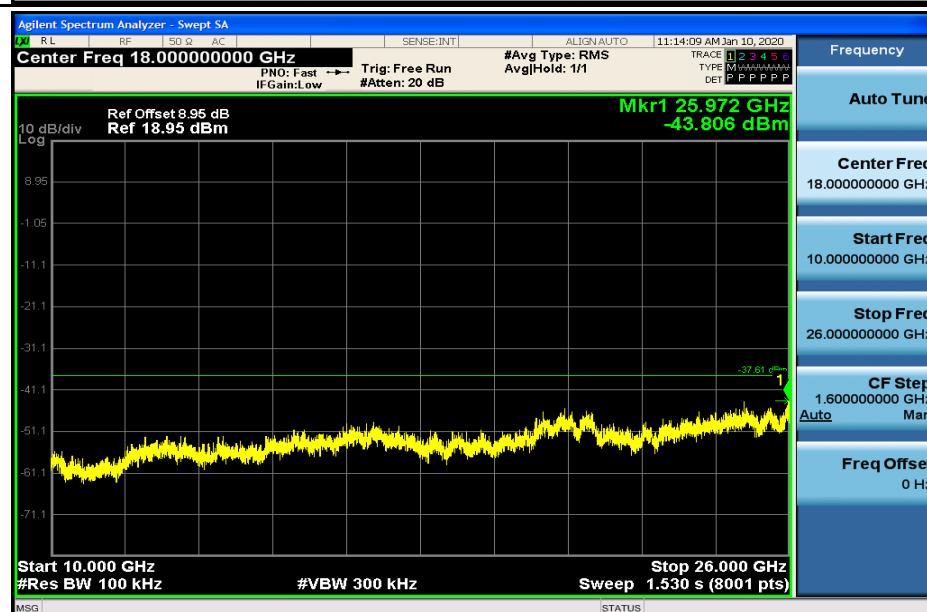
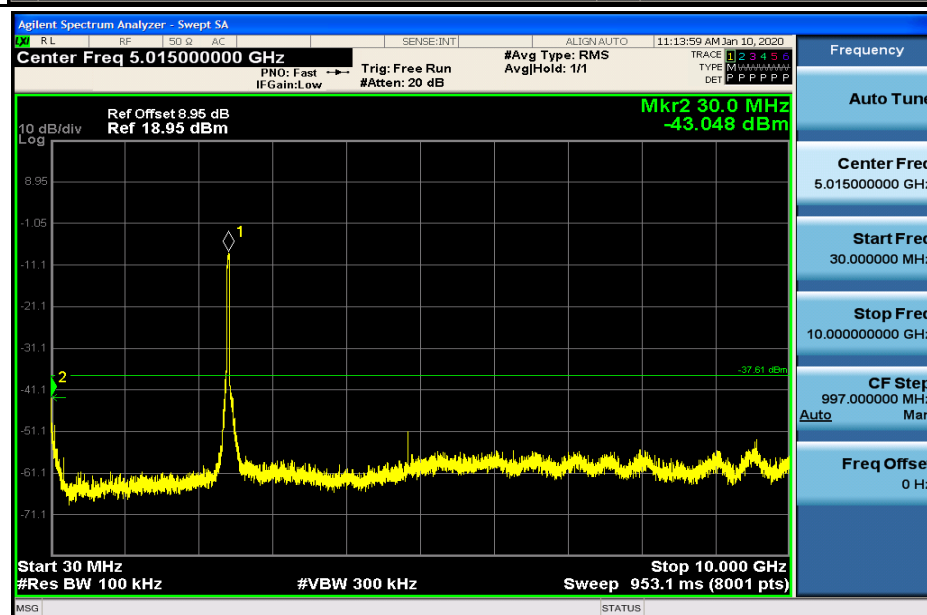
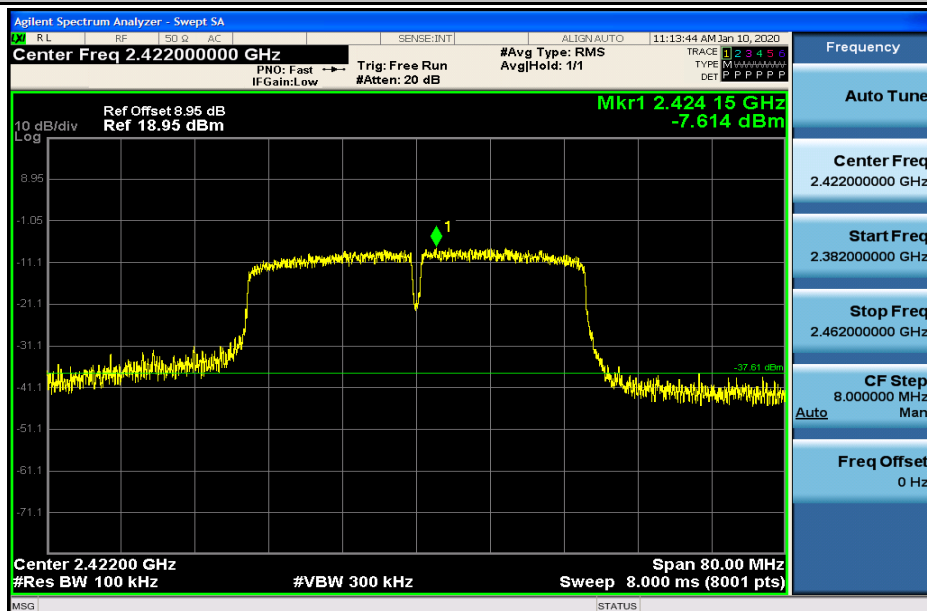
RF Conducted Spurious Emissions\_11N20SISO\_2437



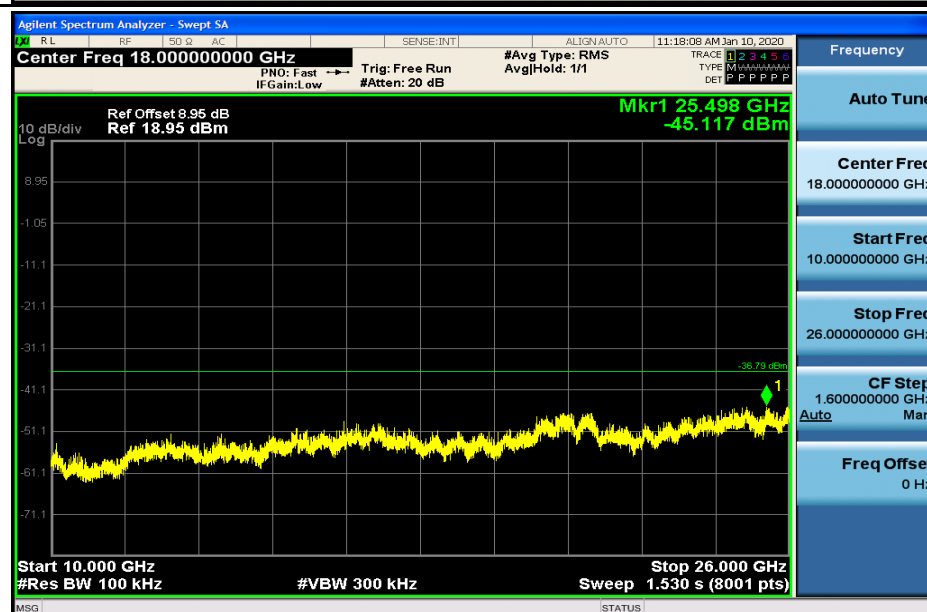
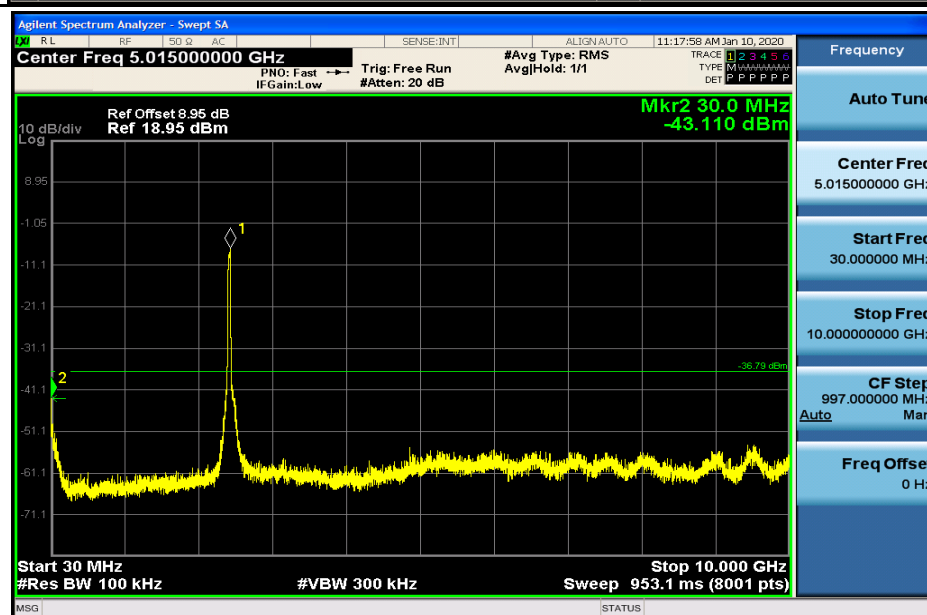
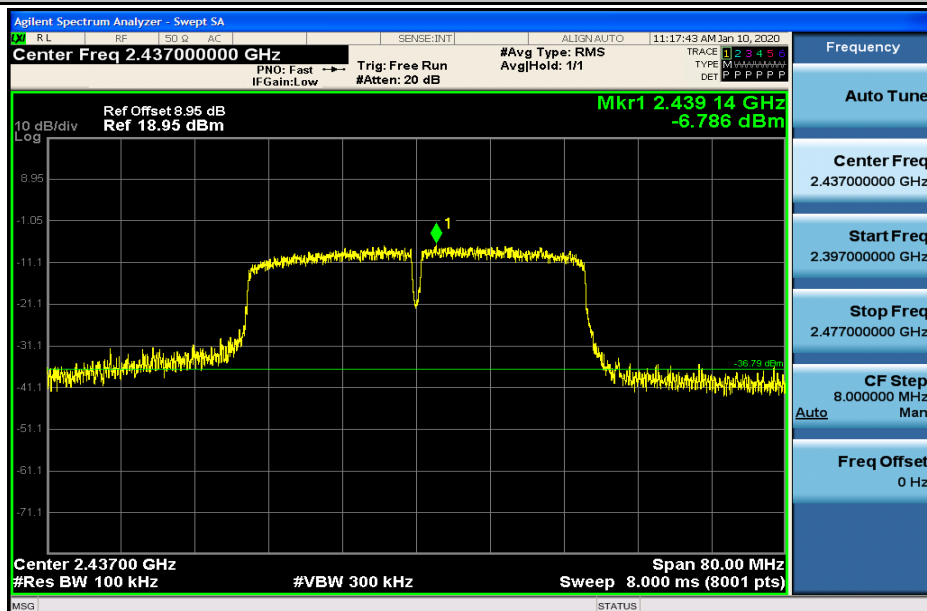
RF Conducted Spurious Emissions\_11N20SISO\_2462



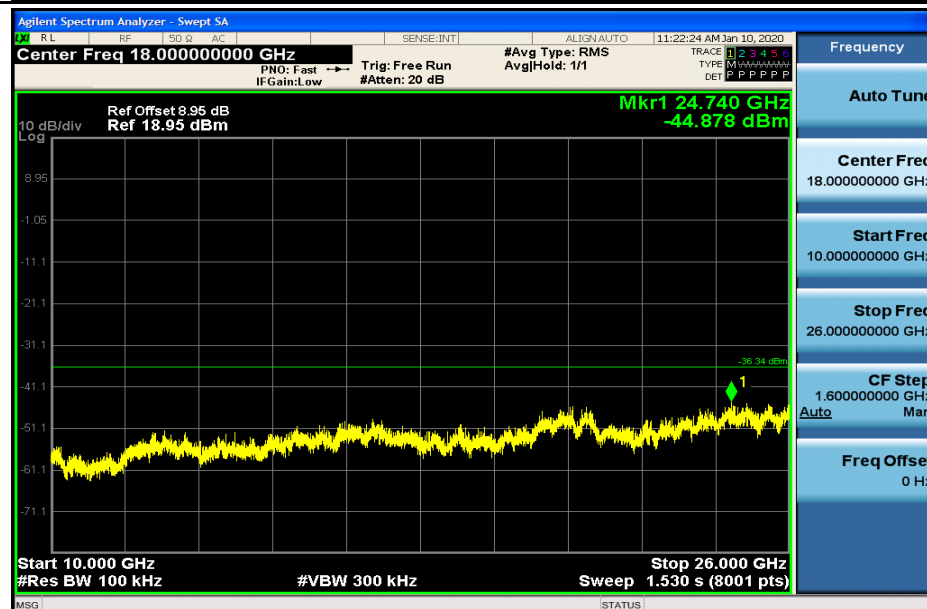
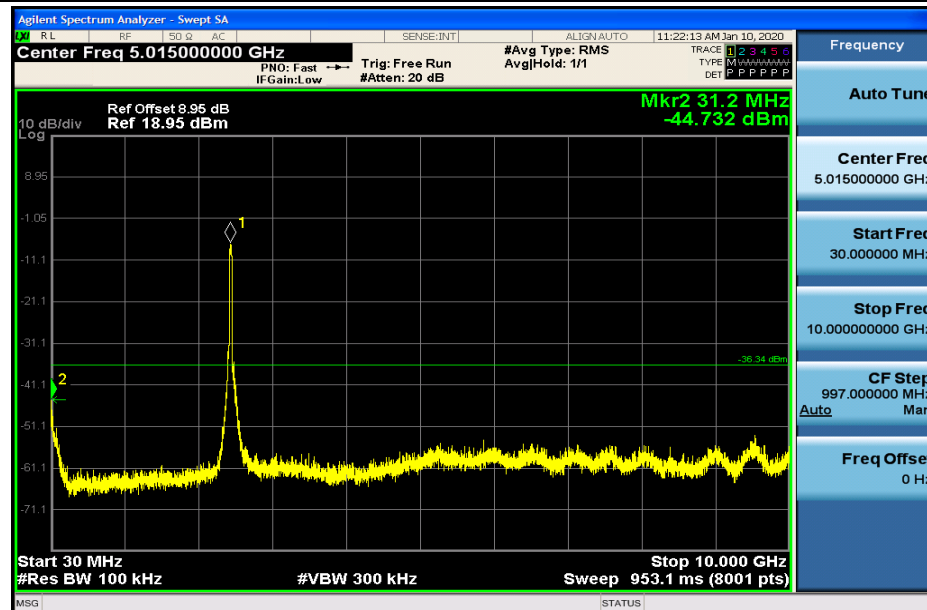
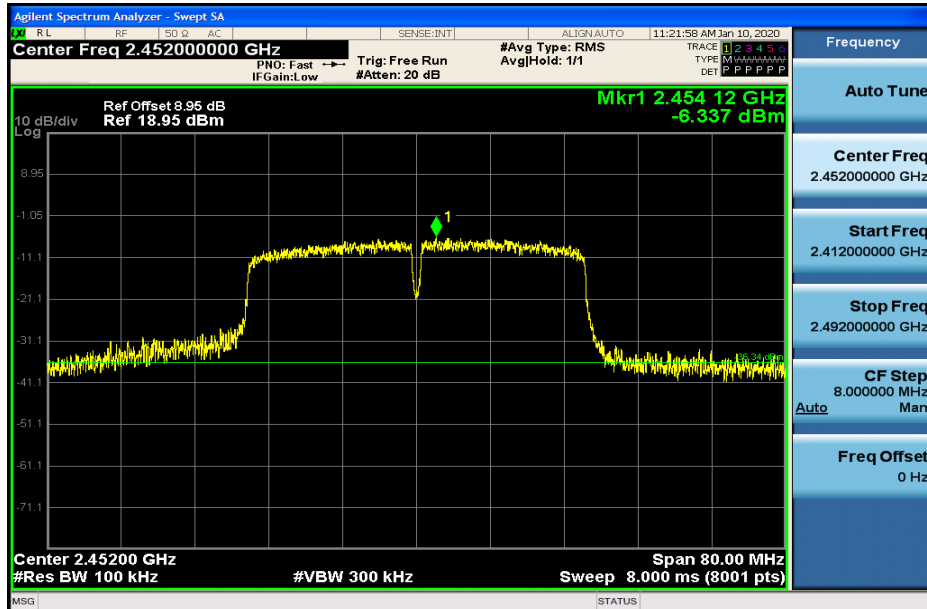
RF Conducted Spurious Emissions\_11N40SISO\_2422



RF Conducted Spurious Emissions\_11N40SISO\_2437



RF Conducted Spurious Emissions\_11N40SISO\_2452



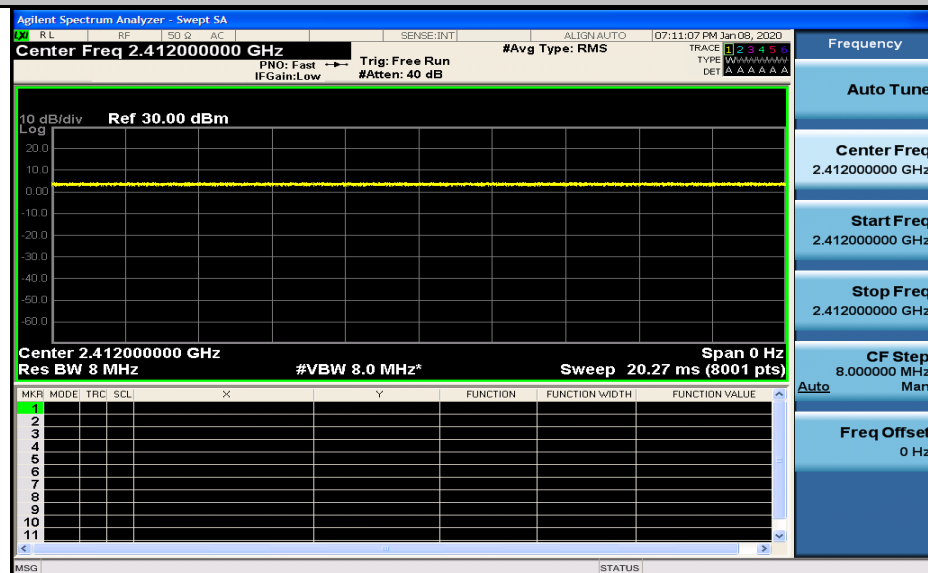


## 7.Duty Cycle

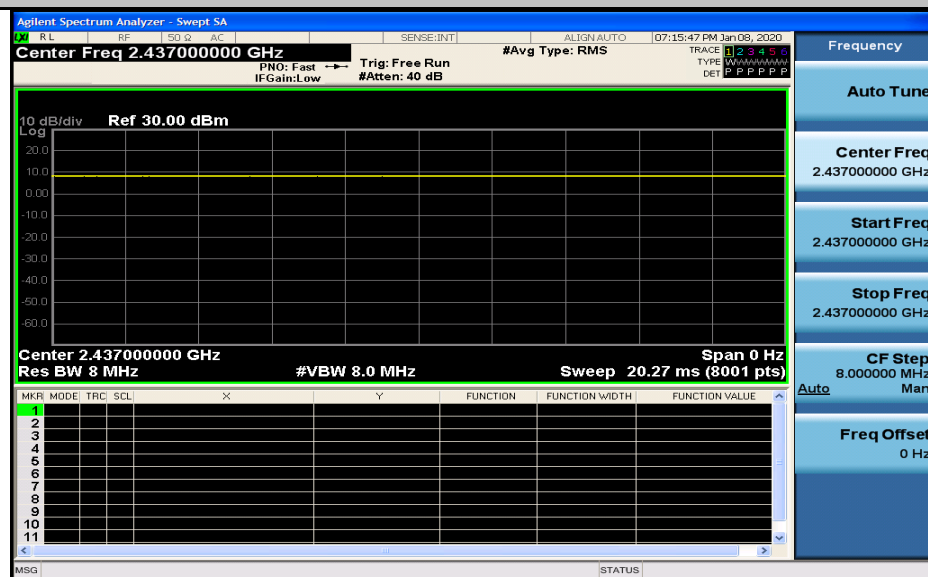
| Test Mode | Test Channel | Ant  | Duty Cycle[%] | 10log(1/x) Factor[dB] |
|-----------|--------------|------|---------------|-----------------------|
| 11B       | 2412         | Ant1 | 100.00        | 0.00                  |
| 11B       | 2437         | Ant1 | 100.00        | 0.00                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



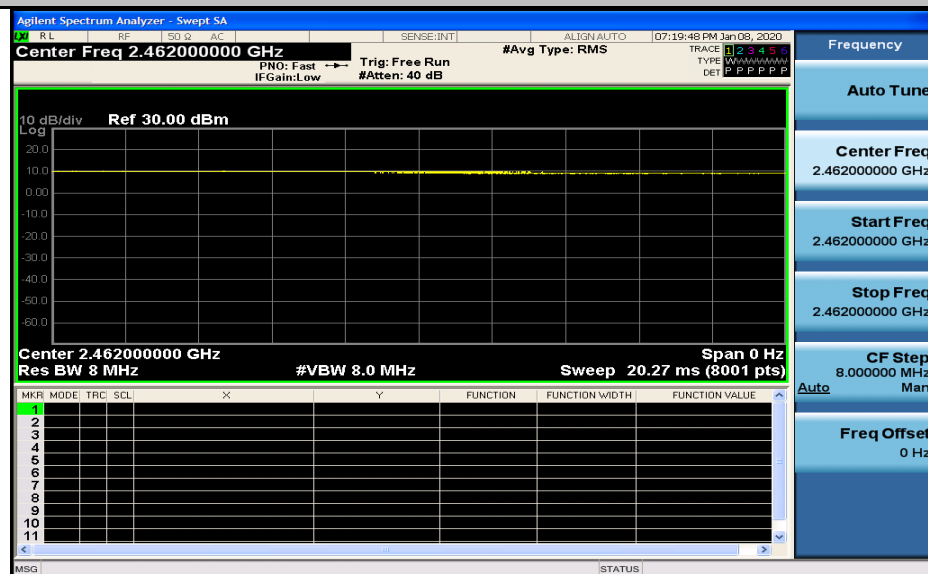
Duty Cycle\_11B\_2412\_Ant1



Duty Cycle\_11B\_2437\_Ant1

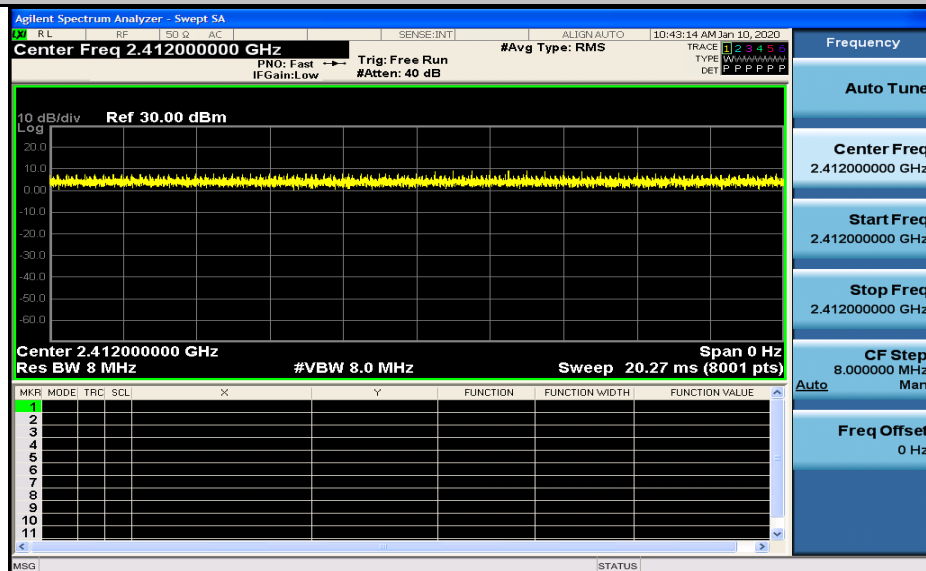


Duty Cycle\_11B\_2462\_Ant1

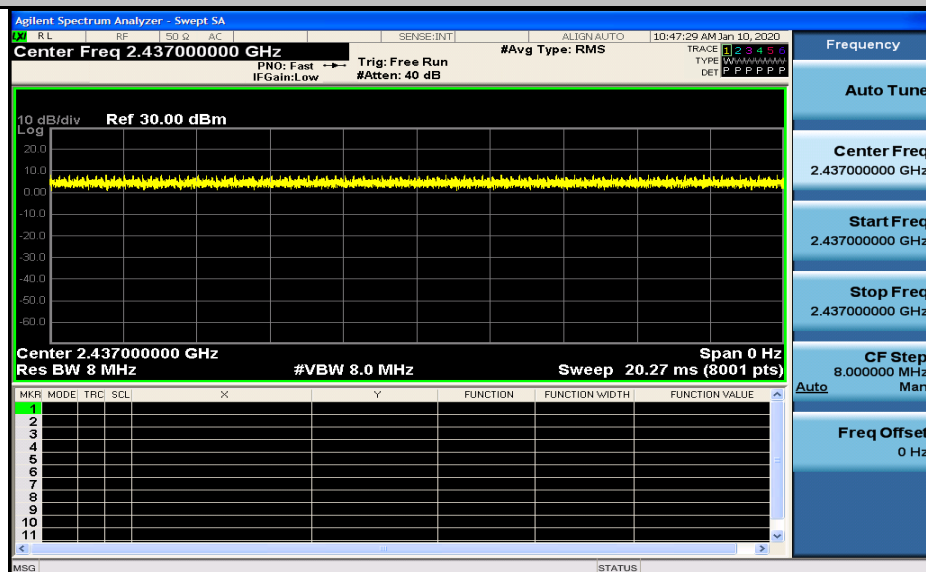




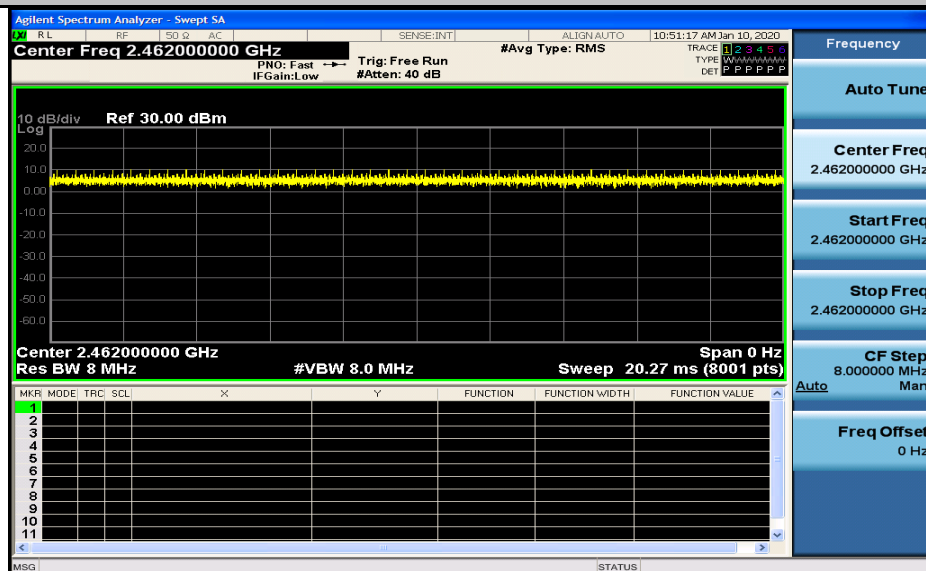
Duty Cycle\_11G\_2412\_Ant1



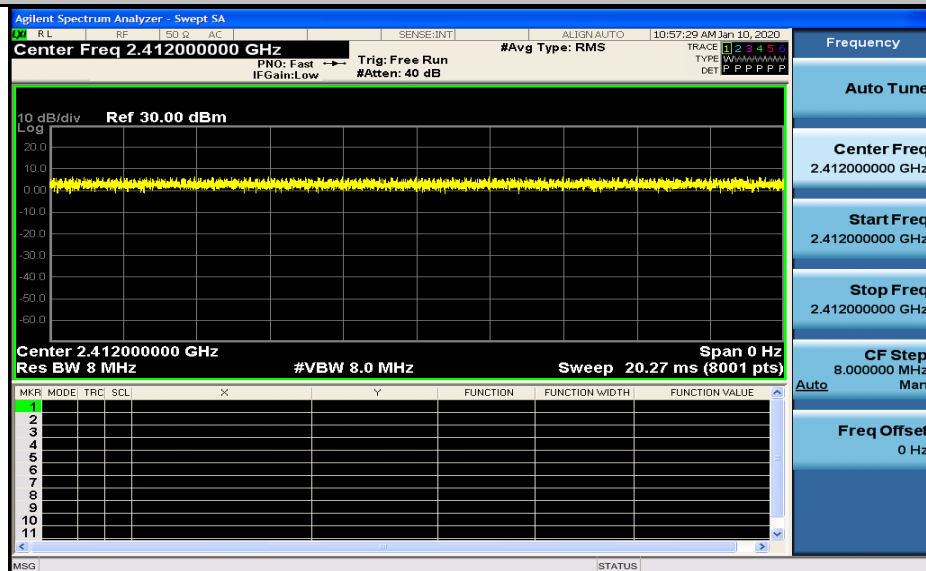
Duty Cycle\_11G\_2437\_Ant1



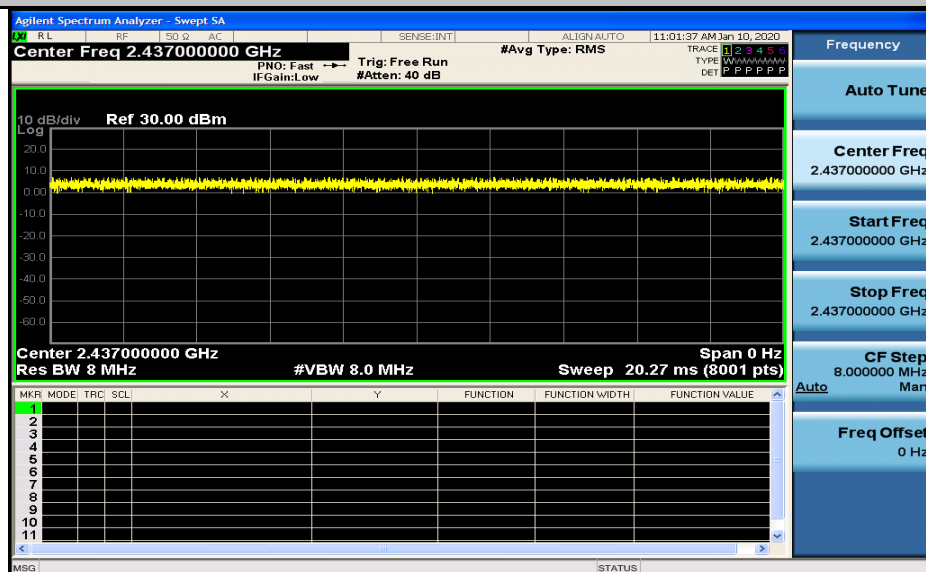
Duty Cycle\_11G\_2462\_Ant1



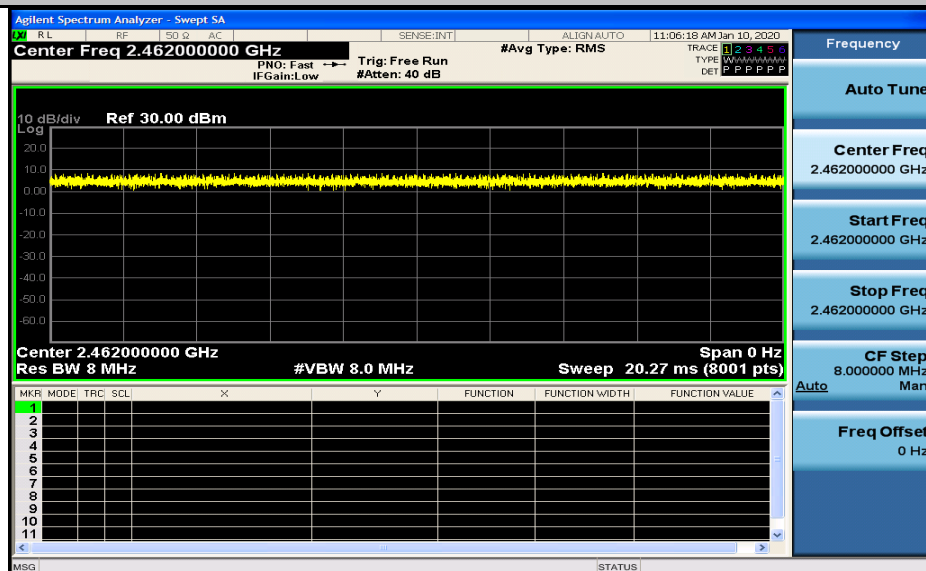
Duty Cycle\_11N20SISO\_2412\_Ant1



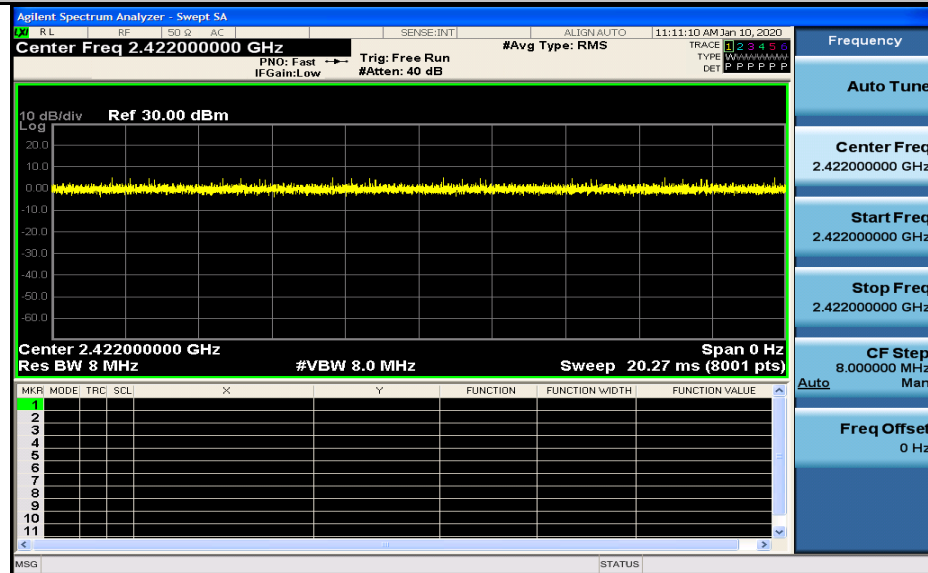
Duty Cycle\_11N20SISO\_2437\_Ant1



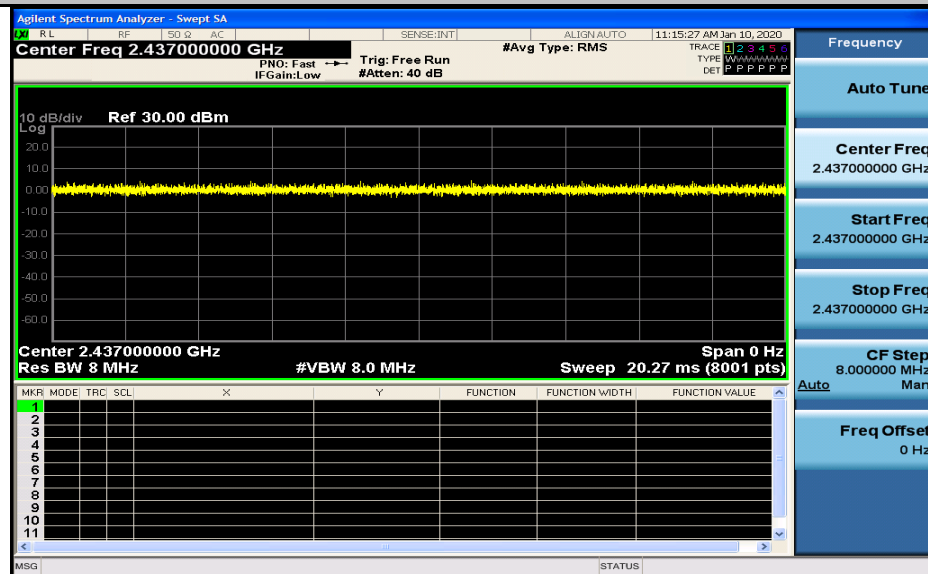
Duty Cycle\_11N20SISO\_2462\_Ant1



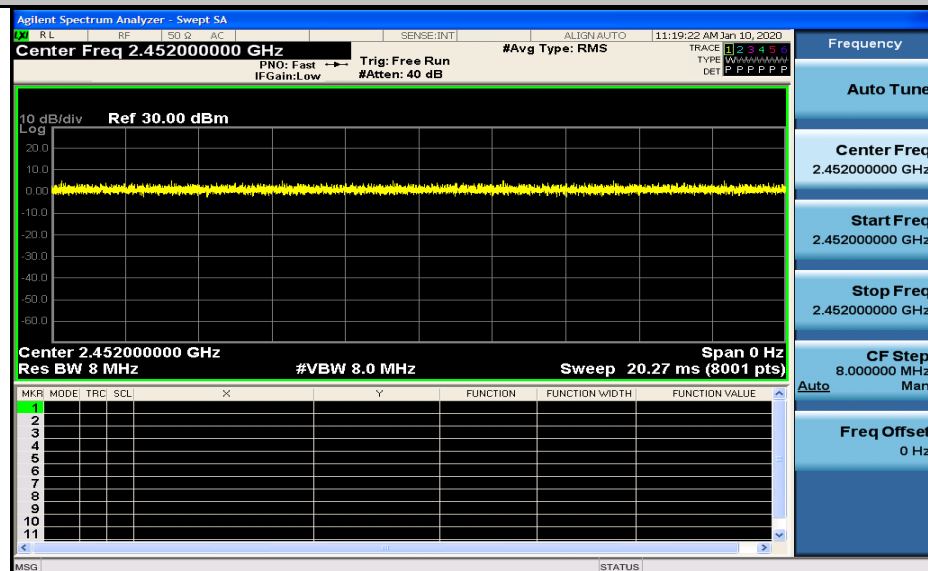
## Duty Cycle\_11N40SISO\_2422\_Ant1



## Duty Cycle\_11N40SISO\_2437\_Ant1



## Duty Cycle\_11N40SISO\_2452\_Ant1





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