

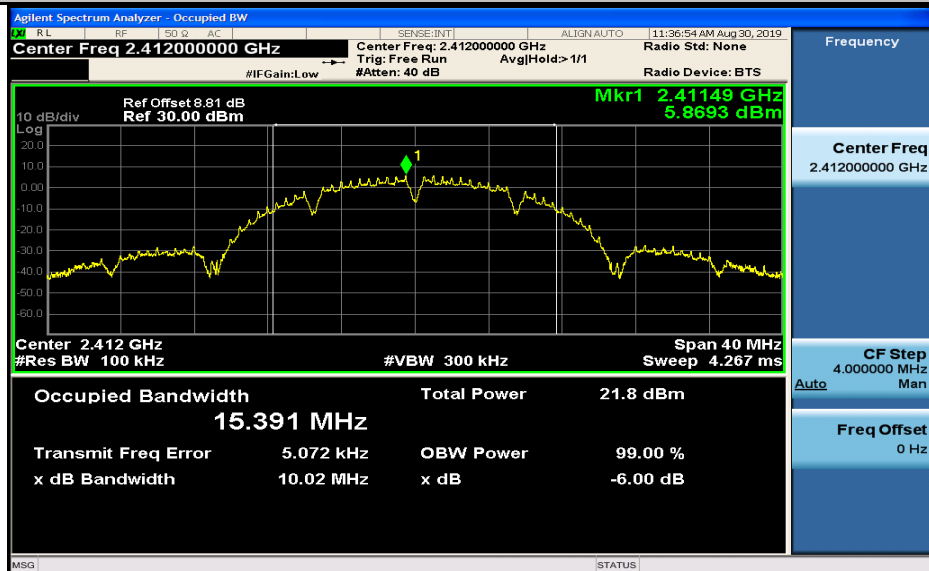


Appendix C SHEM190801648503

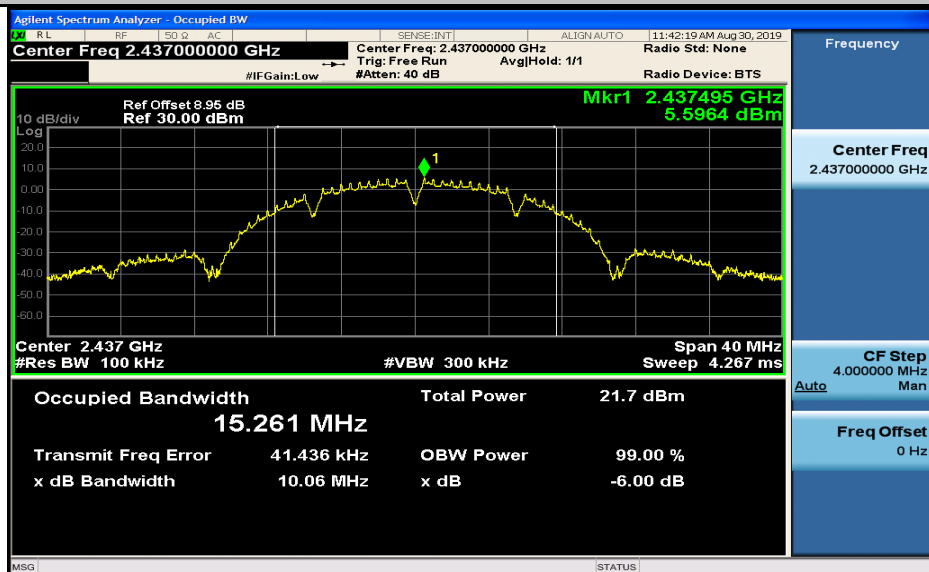
1.6dB Bandwidth

| Test Mode | Test Channel | Ant  | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|-------|---------|
| 11B       | 2412         | Ant1 | 10.02    | 0.5   | PASS    |
| 11B       | 2437         | Ant1 | 10.06    | 0.5   | PASS    |
| 11B       | 2462         | Ant1 | 10.07    | 0.5   | PASS    |
| 11G       | 2412         | Ant1 | 16.36    | 0.5   | PASS    |
| 11G       | 2437         | Ant1 | 16.37    | 0.5   | PASS    |
| 11G       | 2462         | Ant1 | 16.36    | 0.5   | PASS    |
| 11N20SISO | 2412         | Ant1 | 17.56    | 0.5   | PASS    |
| 11N20SISO | 2437         | Ant1 | 17.57    | 0.5   | PASS    |
| 11N20SISO | 2462         | Ant1 | 17.56    | 0.5   | PASS    |
| 11N40SISO | 2422         | Ant1 | 35.64    | 0.5   | PASS    |
| 11N40SISO | 2437         | Ant1 | 35.36    | 0.5   | PASS    |
| 11N40SISO | 2452         | Ant1 | 35.45    | 0.5   | PASS    |

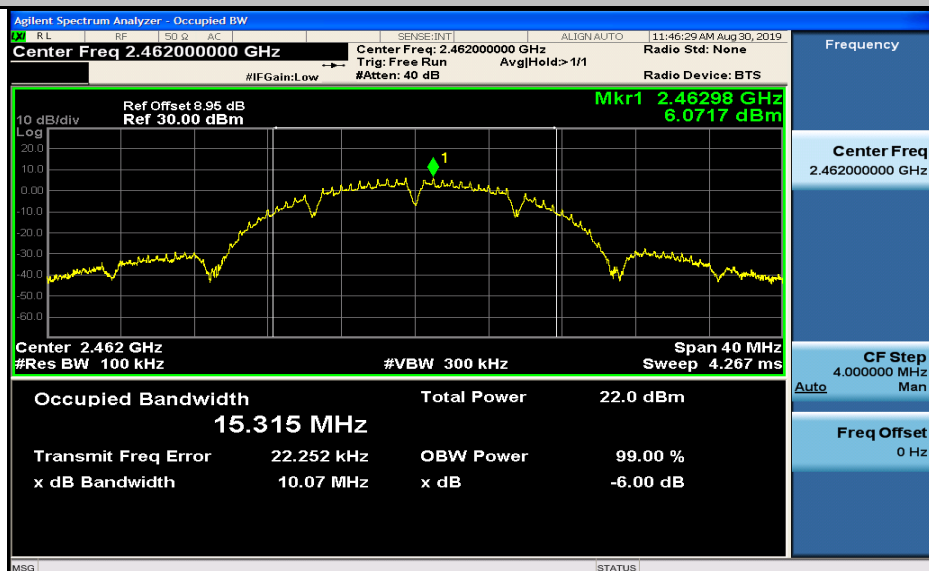
### 6dB Bandwidth\_11B\_2412\_Ant1



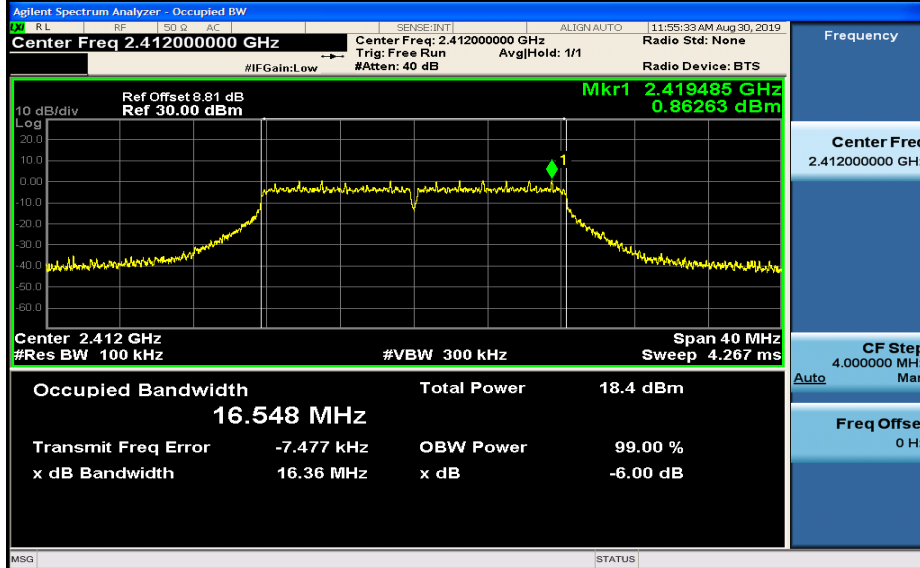
### 6dB Bandwidth\_11B\_2437\_Ant1



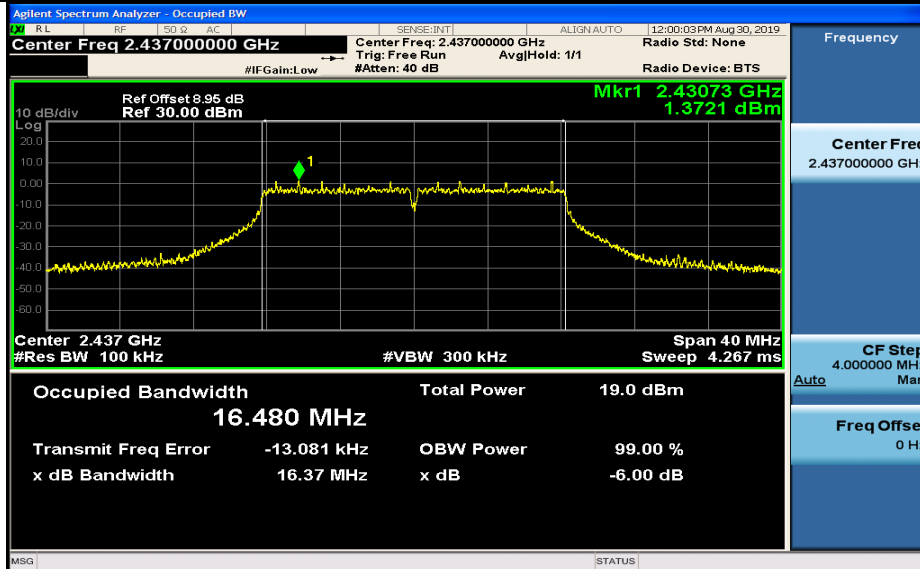
### 6dB Bandwidth\_11B\_2462\_Ant1



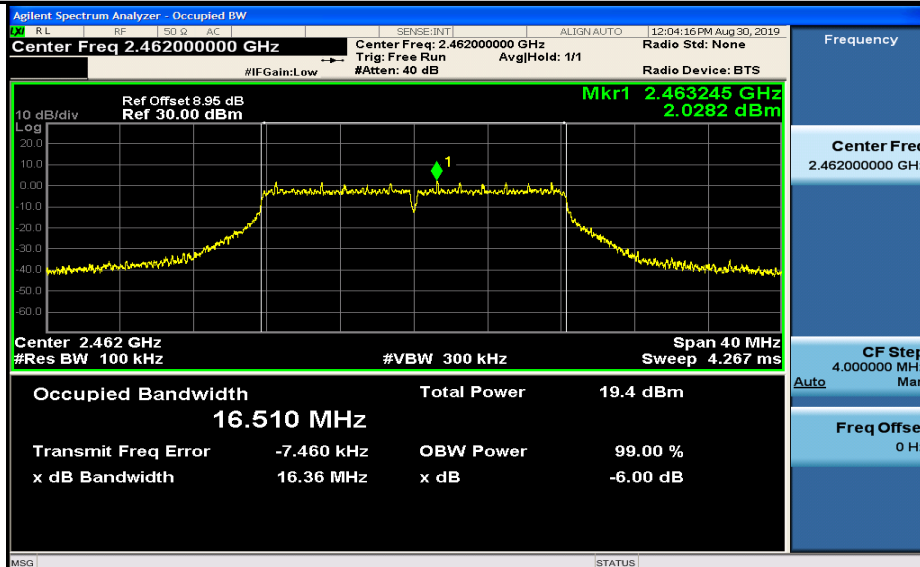
### 6dB Bandwidth\_11G\_2412\_Ant1



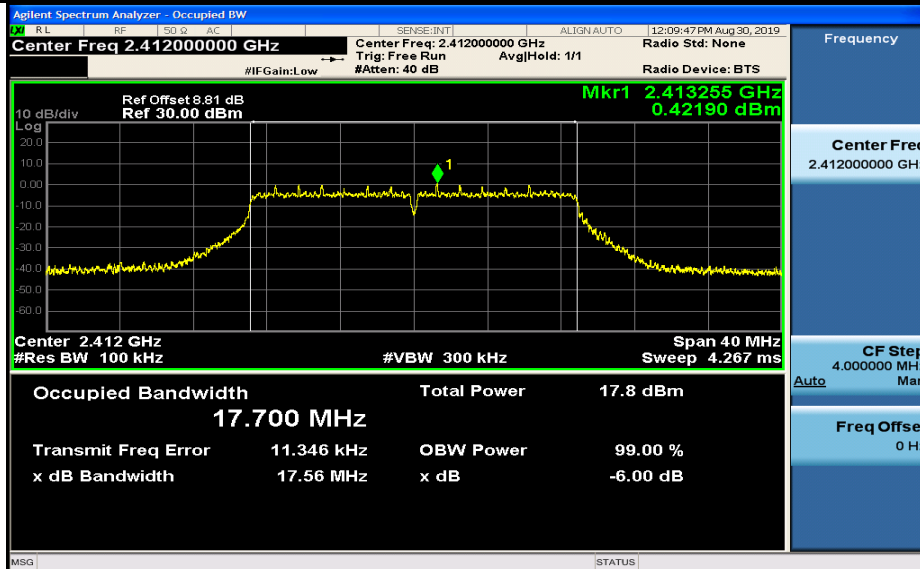
### 6dB Bandwidth\_11G\_2437\_Ant1



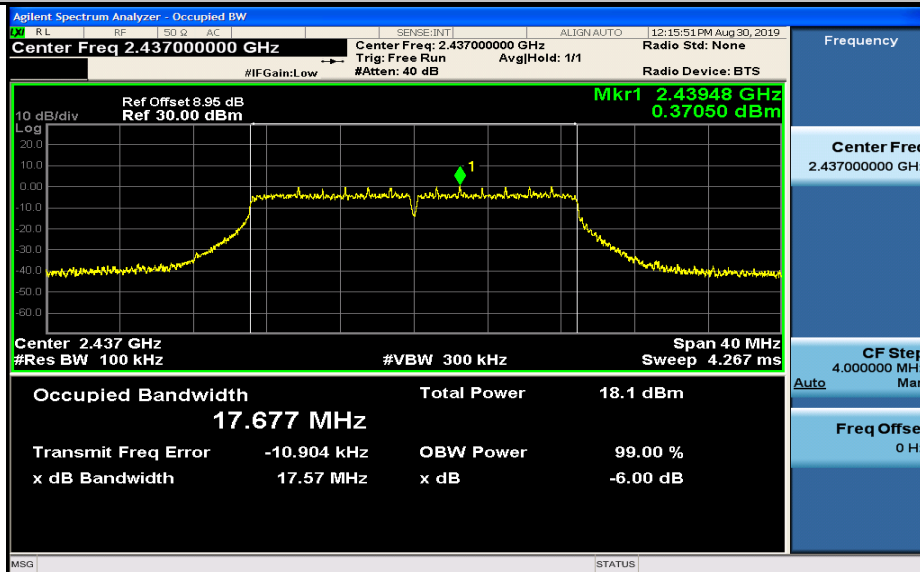
### 6dB Bandwidth\_11G\_2462\_Ant1



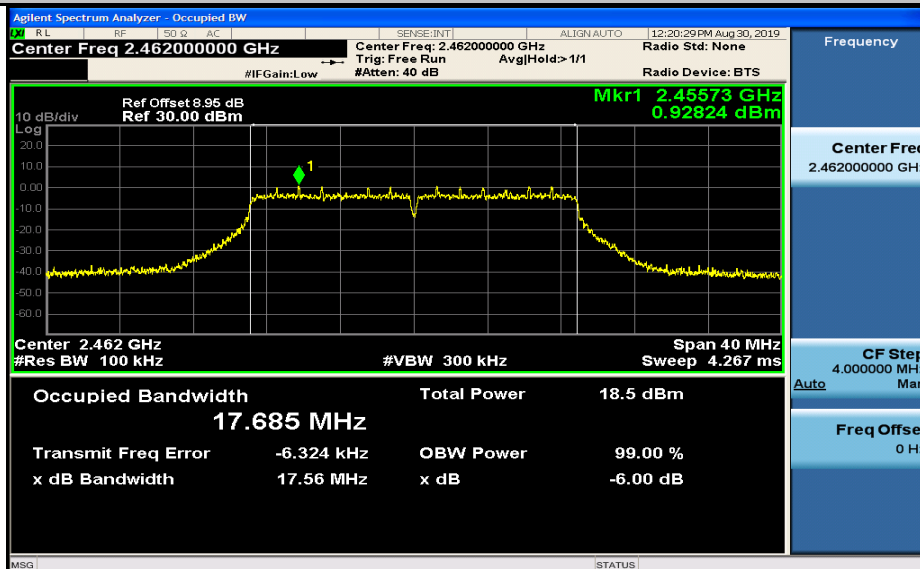
6dB Bandwidth\_11N20SISO\_2412\_Ant1



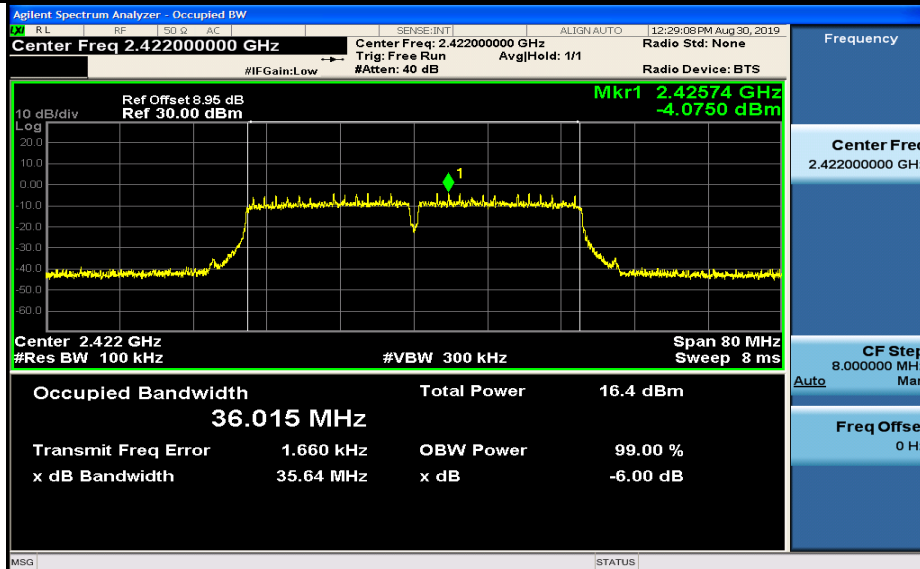
6dB Bandwidth\_11N20SISO\_2437\_Ant1



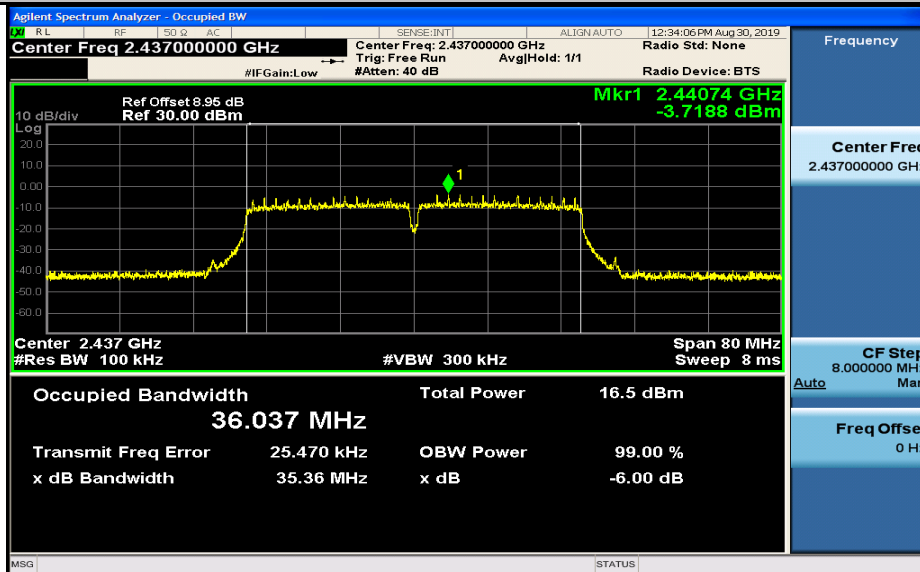
6dB Bandwidth\_11N20SISO\_2462\_Ant1



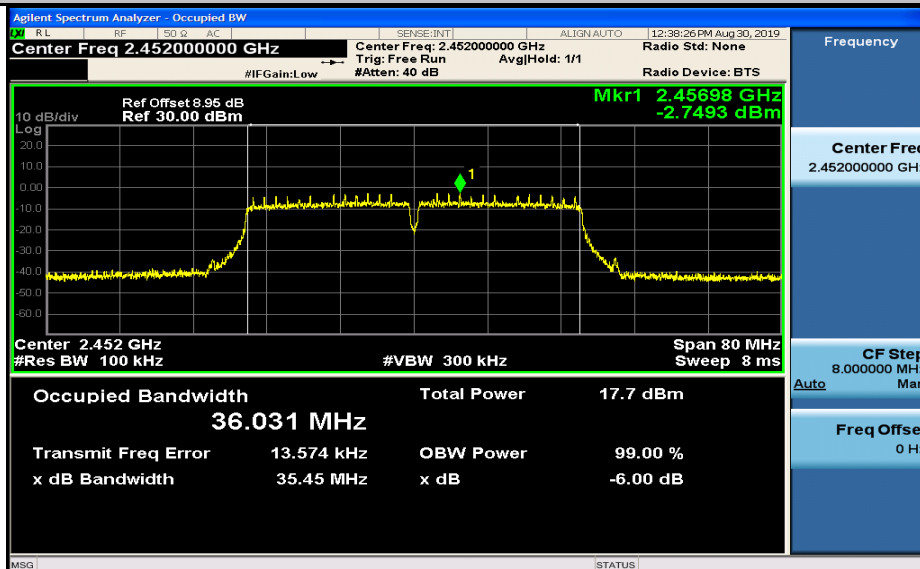
6dB Bandwidth\_11N40SISO\_2422\_Ant1



6dB Bandwidth\_11N40SISO\_2437\_Ant1



6dB Bandwidth\_11N40SISO\_2452\_Ant1

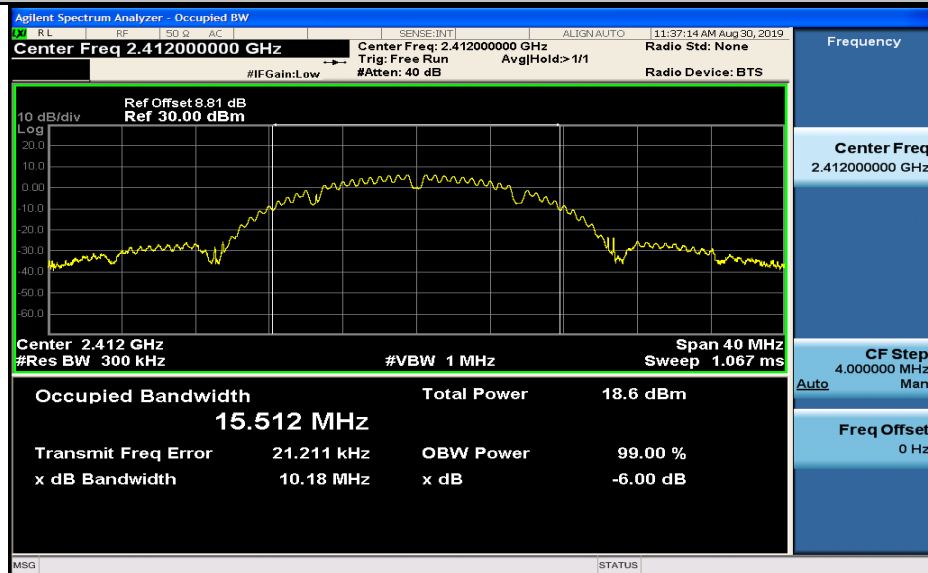




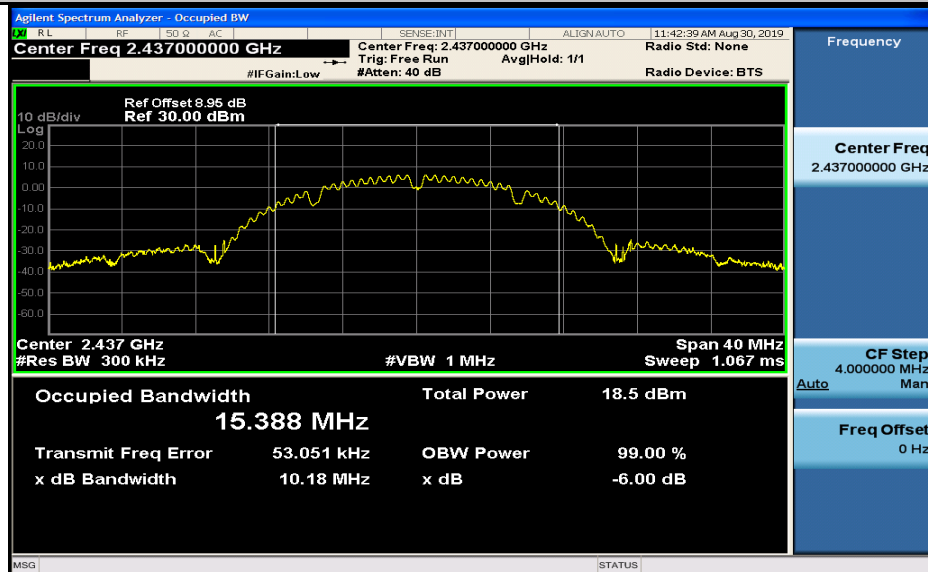
## 2.Occupied Bandwidth

| Test Mode | Test Channel | Ant  | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|------|----------|------------|---------|
| 11B       | 2412         | Ant1 | 15.51    | ---        | PASS    |
| 11B       | 2437         | Ant1 | 15.39    | ---        | PASS    |
| 11B       | 2462         | Ant1 | 15.37    | ---        | PASS    |
| 11G       | 2412         | Ant1 | 17.08    | ---        | PASS    |
| 11G       | 2437         | Ant1 | 16.85    | ---        | PASS    |
| 11G       | 2462         | Ant1 | 17.04    | ---        | PASS    |
| 11N20SISO | 2412         | Ant1 | 18.05    | ---        | PASS    |
| 11N20SISO | 2437         | Ant1 | 18.06    | ---        | PASS    |
| 11N20SISO | 2462         | Ant1 | 18.01    | ---        | PASS    |
| 11N40SISO | 2422         | Ant1 | 36.47    | ---        | PASS    |
| 11N40SISO | 2437         | Ant1 | 36.54    | ---        | PASS    |
| 11N40SISO | 2452         | Ant1 | 36.45    | ---        | PASS    |

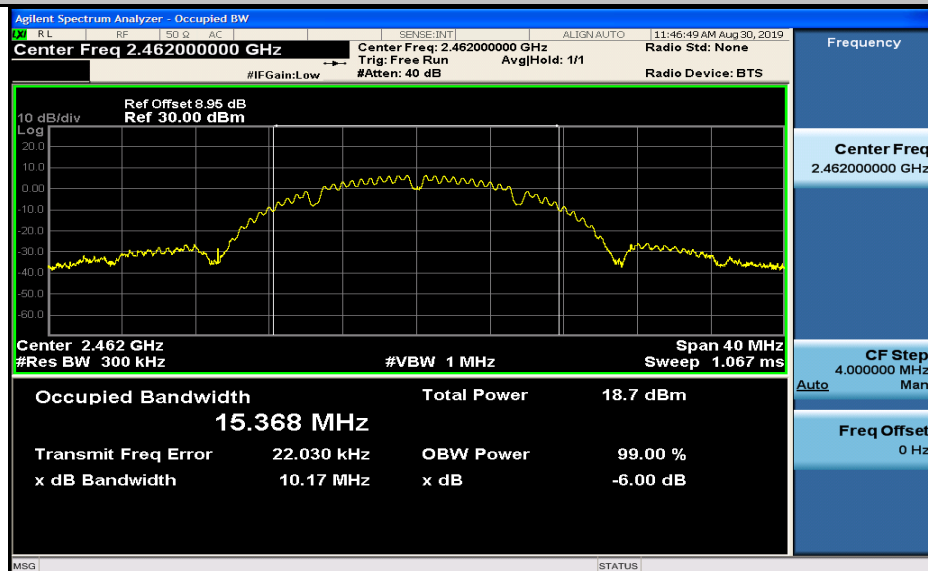
### Occupied Bandwidth\_11B\_2412



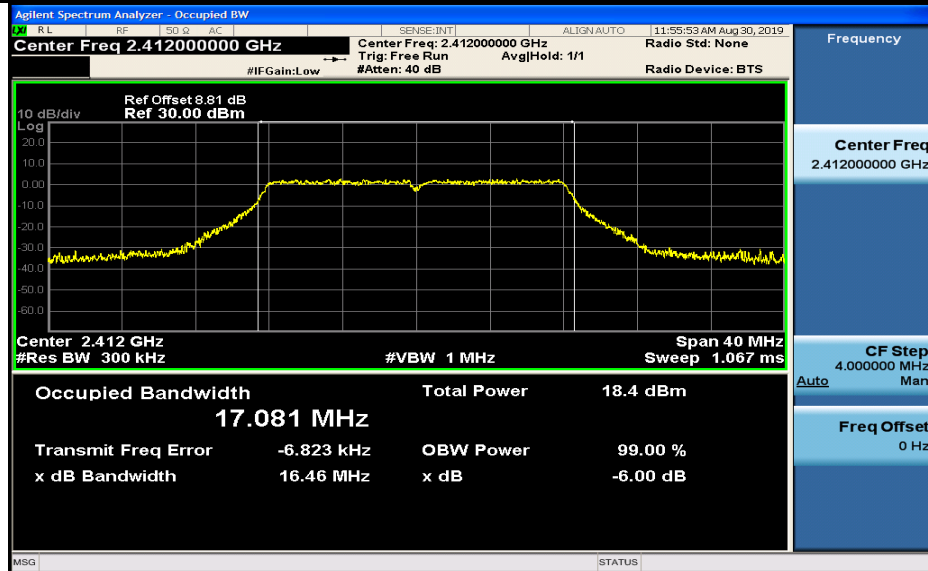
### Occupied Bandwidth\_11B\_2437



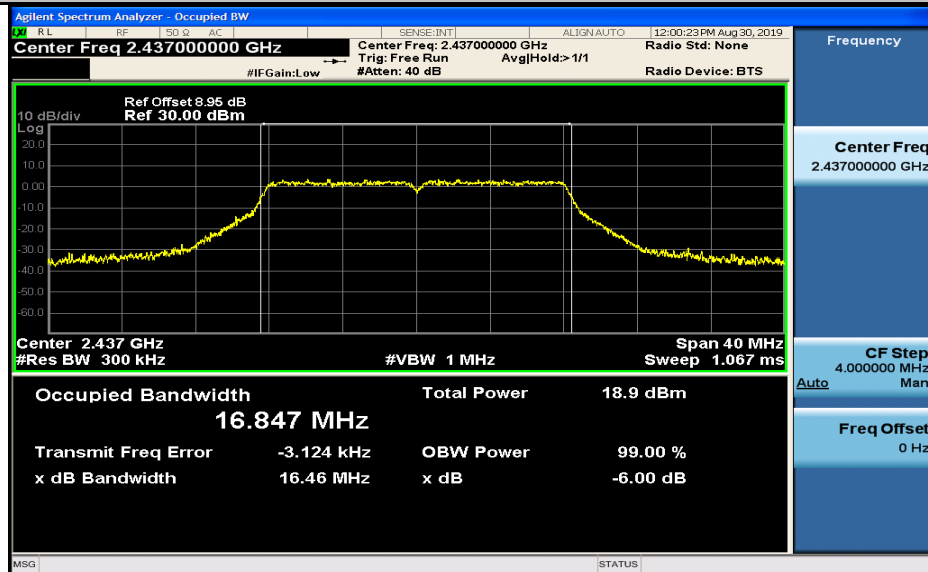
### Occupied Bandwidth\_11B\_2462



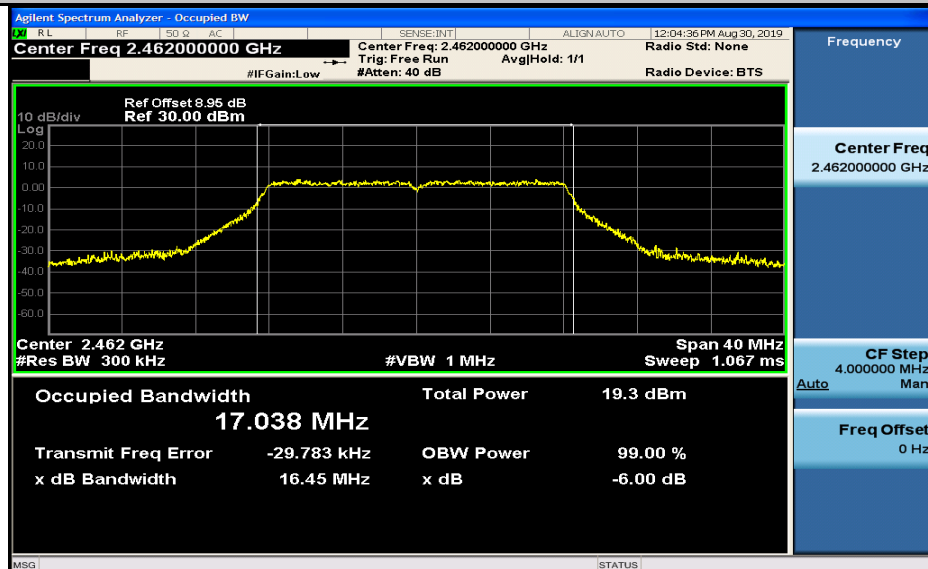
### Occupied Bandwidth\_11G\_2412



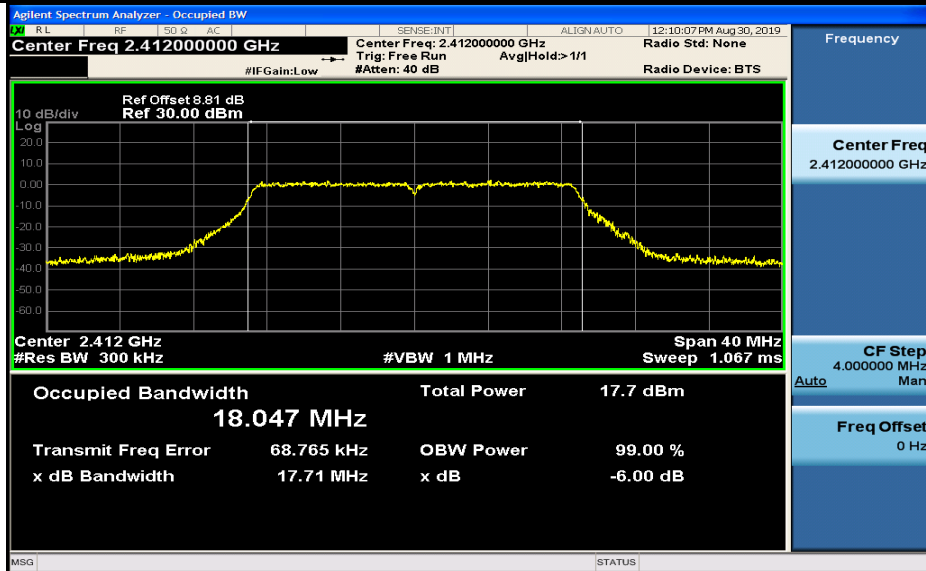
### Occupied Bandwidth\_11G\_2437



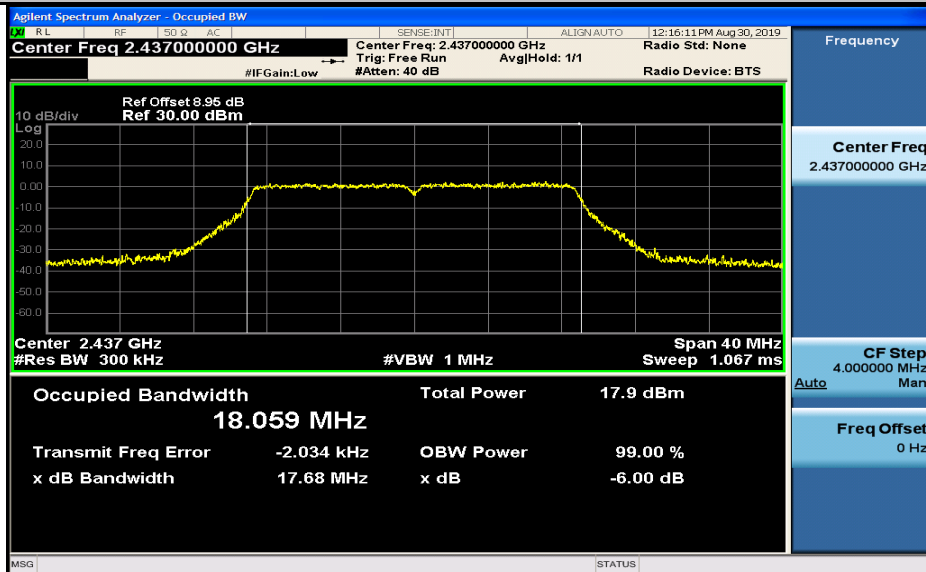
### Occupied Bandwidth\_11G\_2462



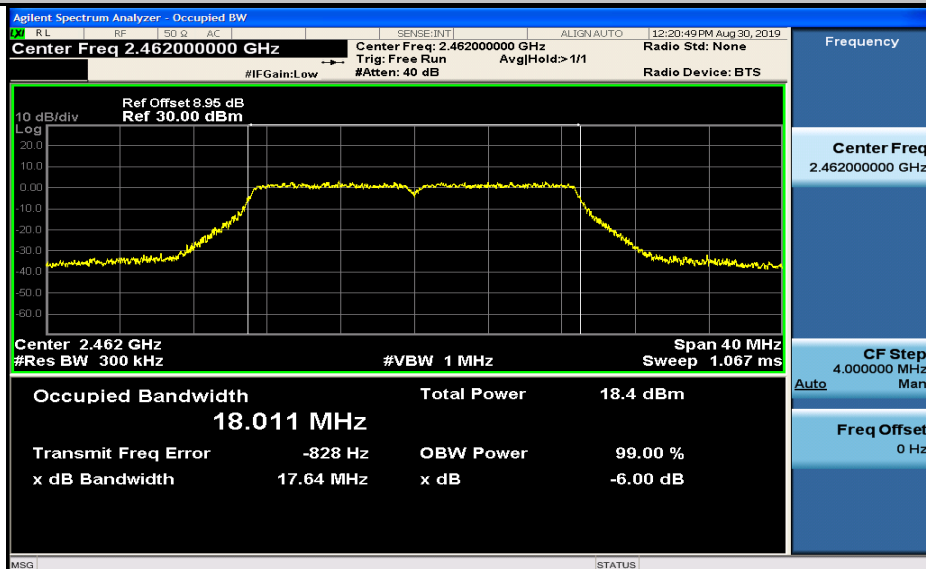
### Occupied Bandwidth\_11N20SISO\_2412



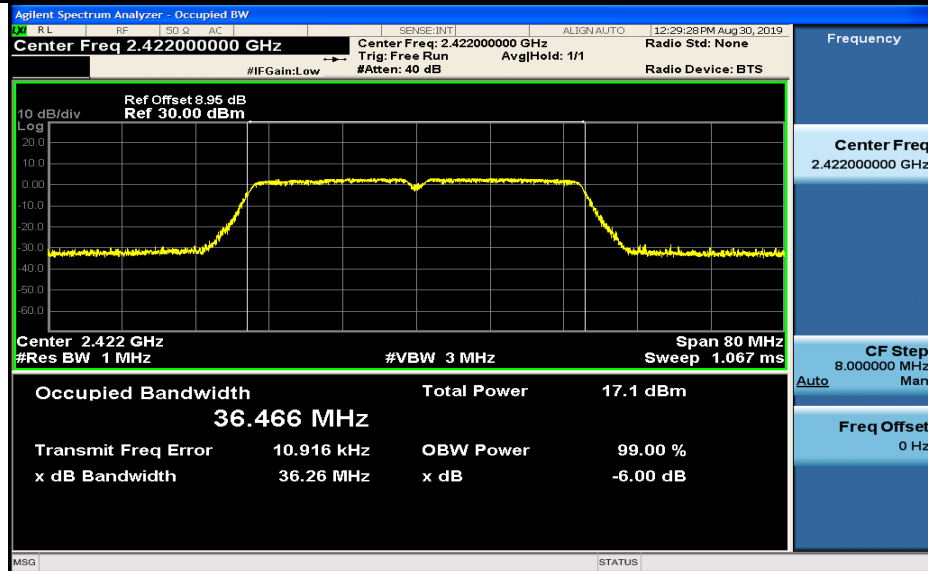
### Occupied Bandwidth\_11N20SISO\_2437



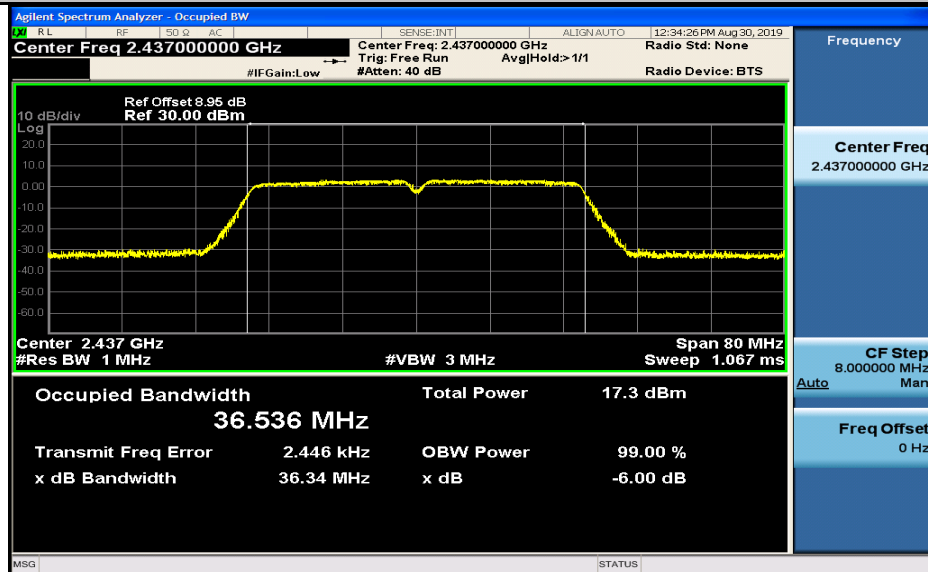
### Occupied Bandwidth\_11N20SISO\_2462



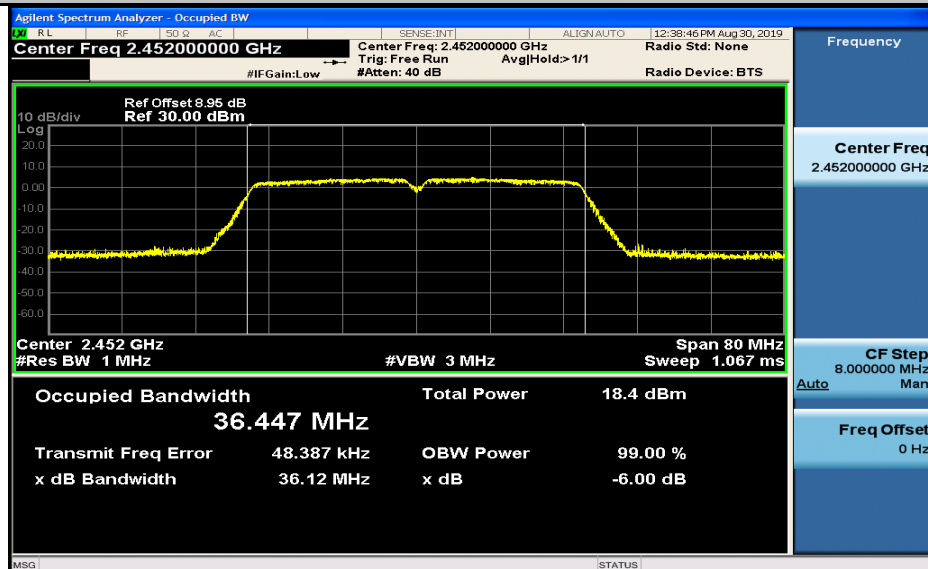
### Occupied Bandwidth\_11N40SISO\_2422



### Occupied Bandwidth\_11N40SISO\_2437



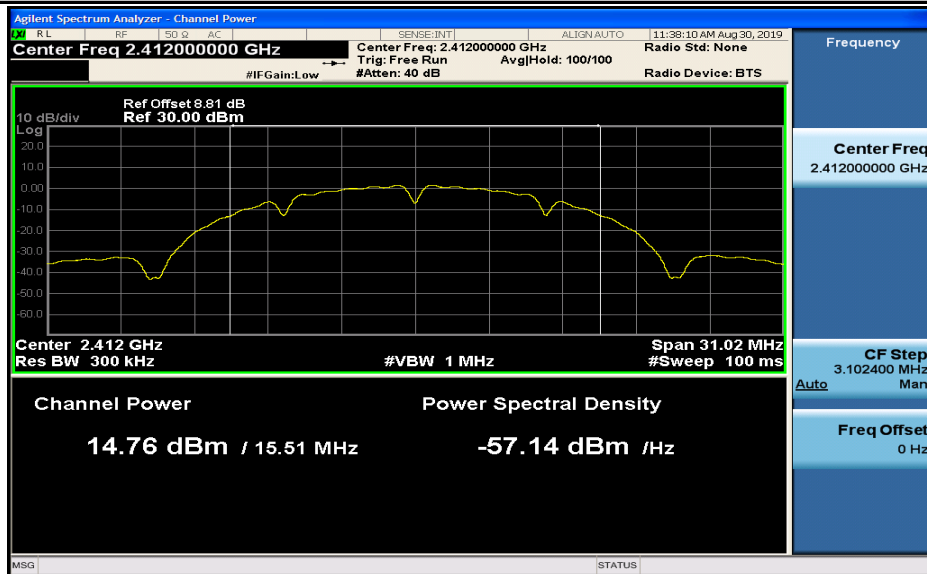
### Occupied Bandwidth\_11N40SISO\_2452



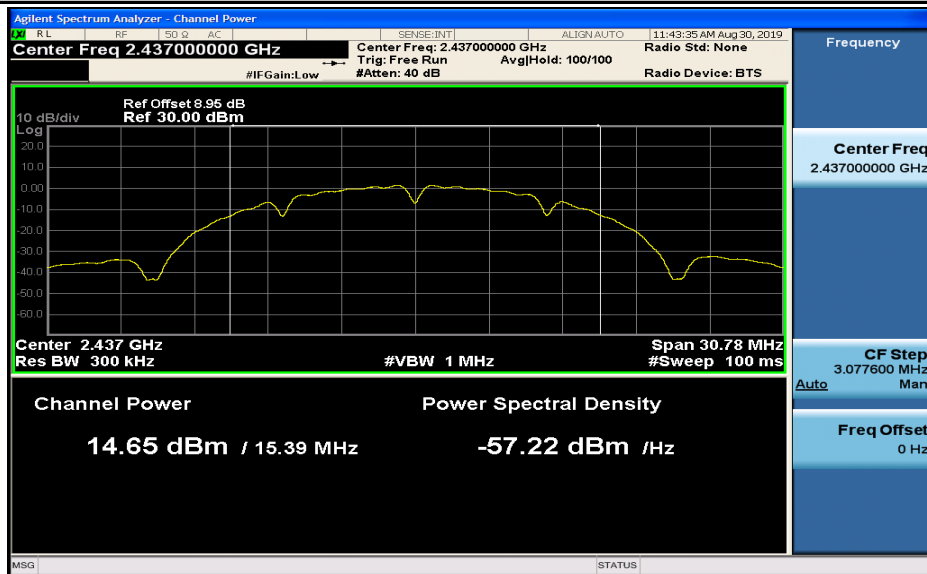
### 3.Maximum conducted (average) output power

| Test Mode | Test Channel | Ant  | Level [dBm] | 10log(1/x) Factor[dB] | Power [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|-------------|-----------------------|-------------|-------------|---------|
| 11B       | 2412         | Ant1 | 14.76       | 0.00                  | 14.76       | 30          | PASS    |
| 11B       | 2437         | Ant1 | 14.65       | 0.00                  | 14.65       | 30          | PASS    |
| 11B       | 2462         | Ant1 | 14.9        | 0.00                  | 14.90       | 30          | PASS    |
| 11G       | 2412         | Ant1 | 11.8        | 0.28                  | 12.08       | 30          | PASS    |
| 11G       | 2437         | Ant1 | 12.19       | 0.16                  | 12.36       | 30          | PASS    |
| 11G       | 2462         | Ant1 | 12.57       | 0.08                  | 12.66       | 30          | PASS    |
| 11N20SISO | 2412         | Ant1 | 10.92       | 0.30                  | 11.23       | 30          | PASS    |
| 11N20SISO | 2437         | Ant1 | 11.44       | 0.23                  | 11.67       | 30          | PASS    |
| 11N20SISO | 2462         | Ant1 | 11.69       | 0.34                  | 12.03       | 30          | PASS    |
| 11N40SISO | 2422         | Ant1 | 9.22        | 0.60                  | 9.82        | 30          | PASS    |
| 11N40SISO | 2437         | Ant1 | 9.49        | 0.41                  | 9.90        | 30          | PASS    |
| 11N40SISO | 2452         | Ant1 | 10.48       | 0.38                  | 10.86       | 30          | PASS    |

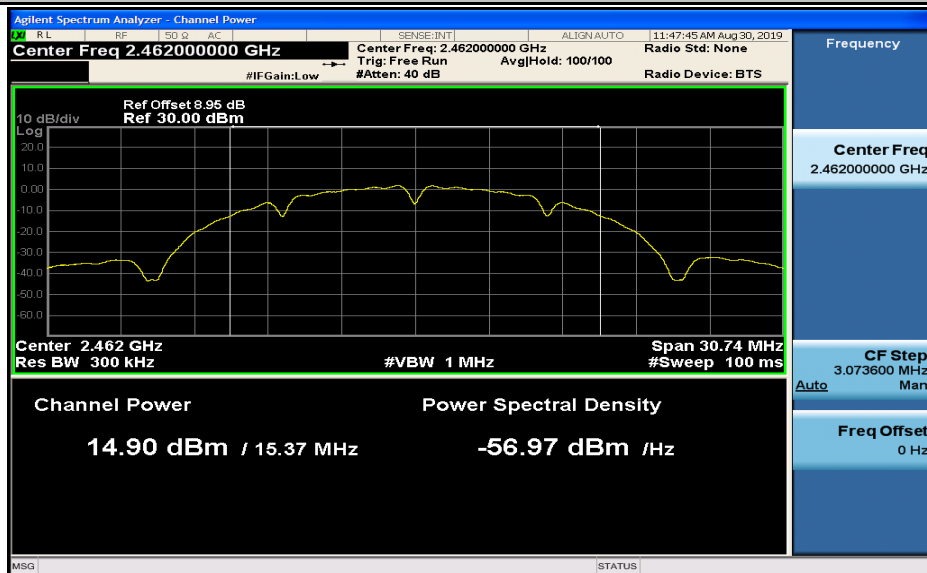
Maximum conducted (average) output power\_11B\_2412\_Ant1



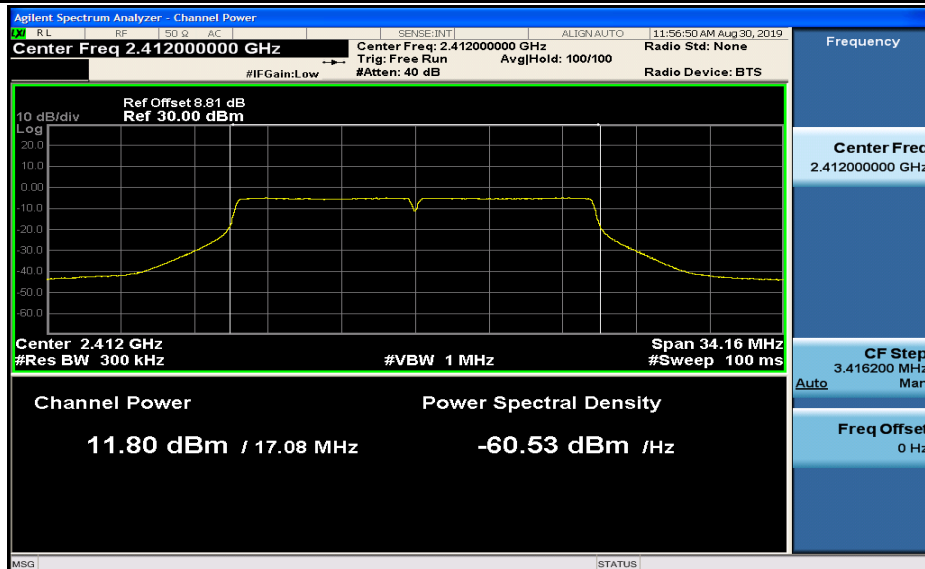
Maximum conducted (average) output power\_11B\_2437\_Ant1



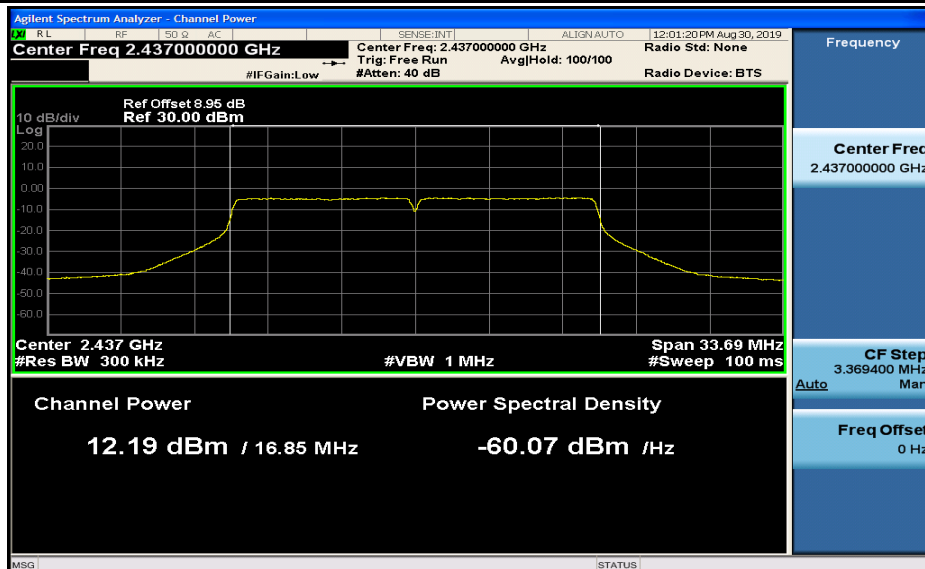
Maximum conducted (average) output power\_11B\_2462\_Ant1



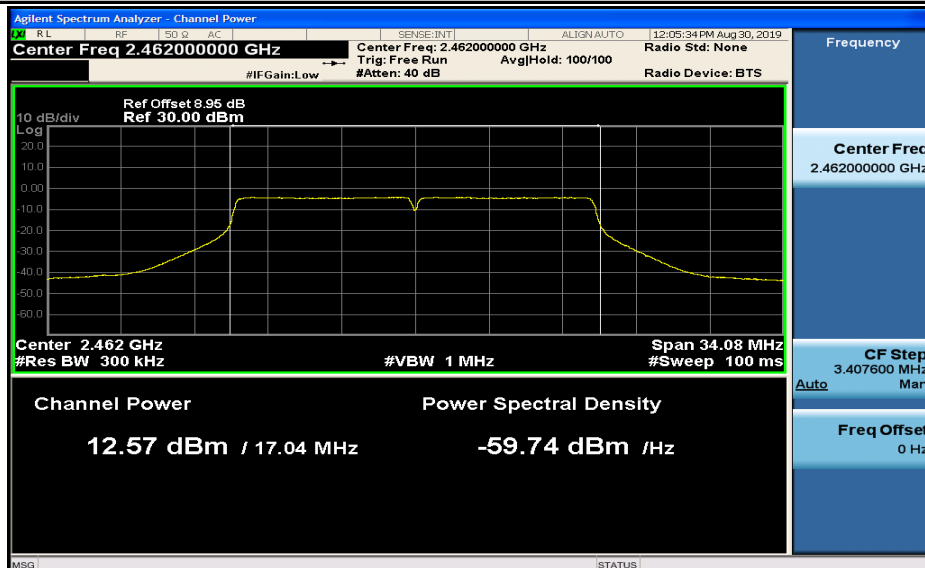
Maximum conducted (average) output power\_11G\_2412\_Ant1



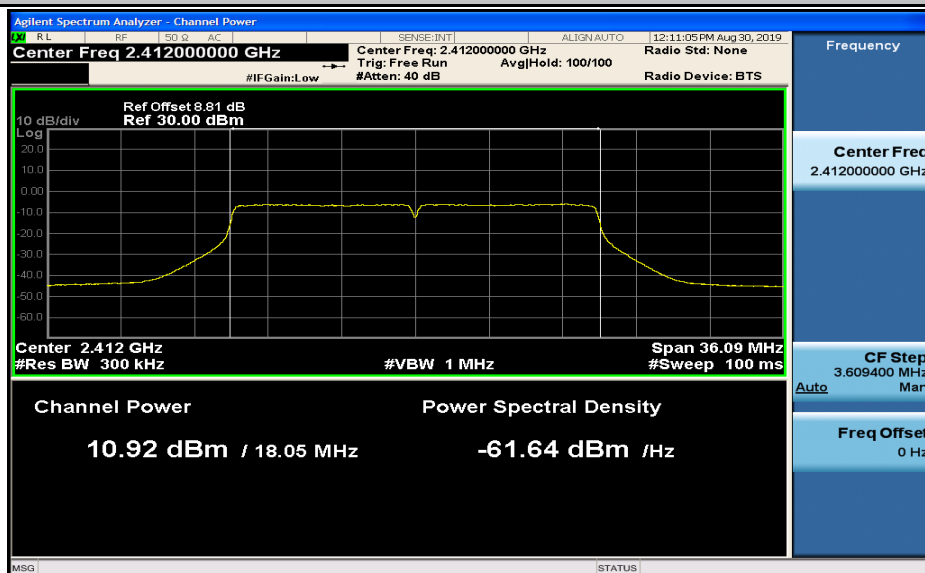
Maximum conducted (average) output power\_11G\_2437\_Ant1



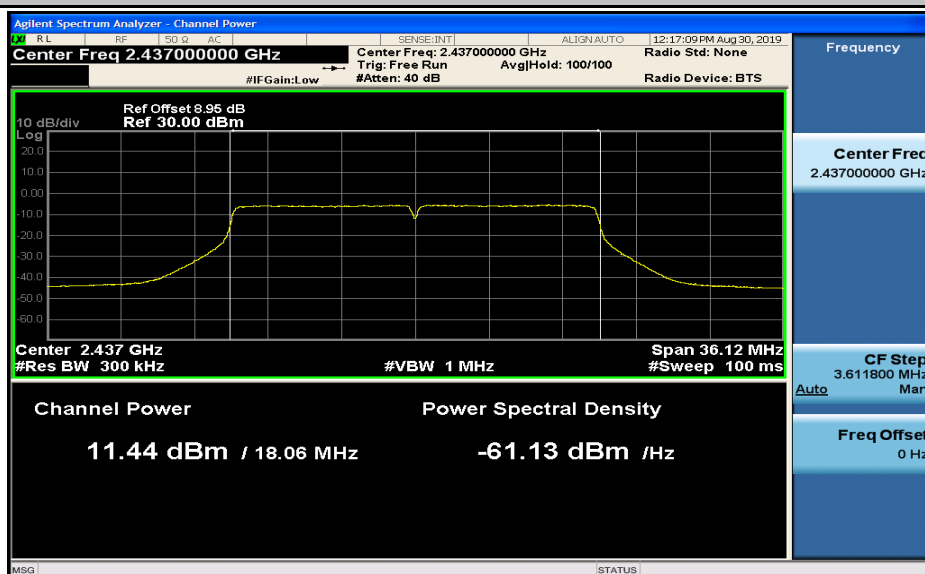
Maximum conducted (average) output power\_11G\_2462\_Ant1



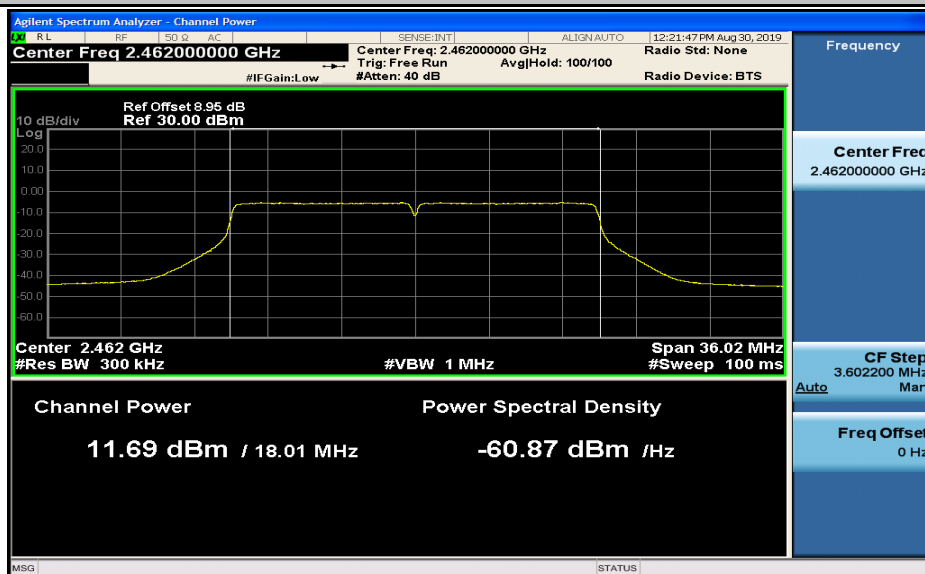
Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



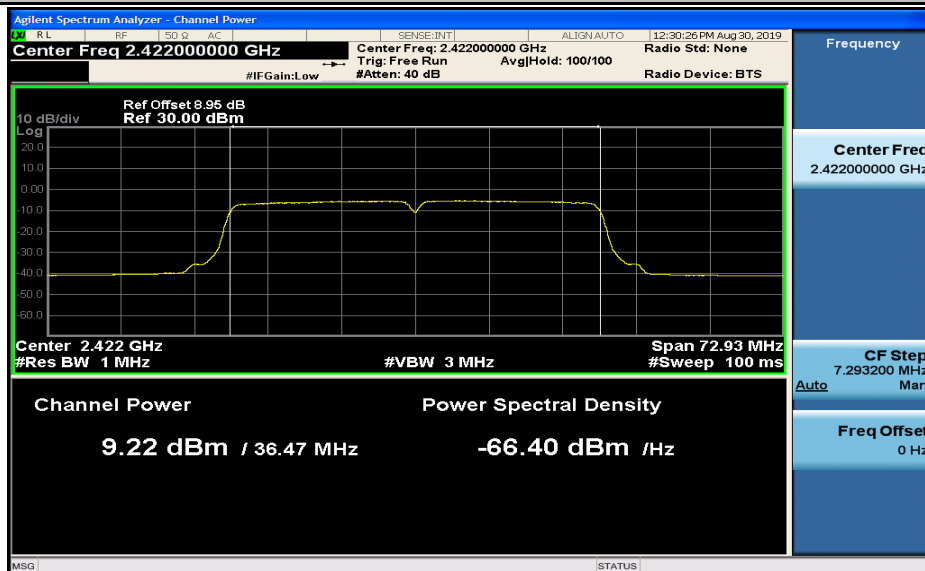
Maximum conducted (average) output power\_11N20SISO\_2437\_Ant1



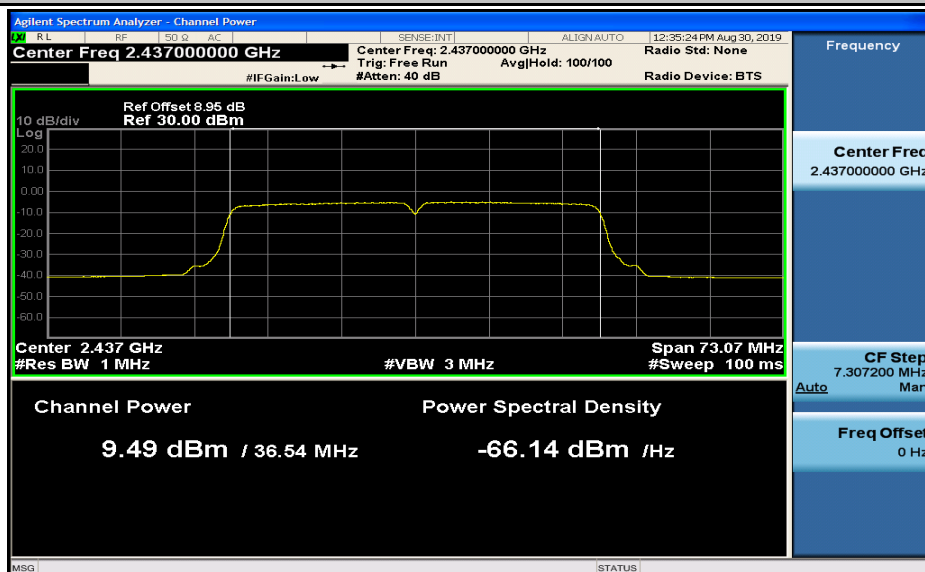
Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1



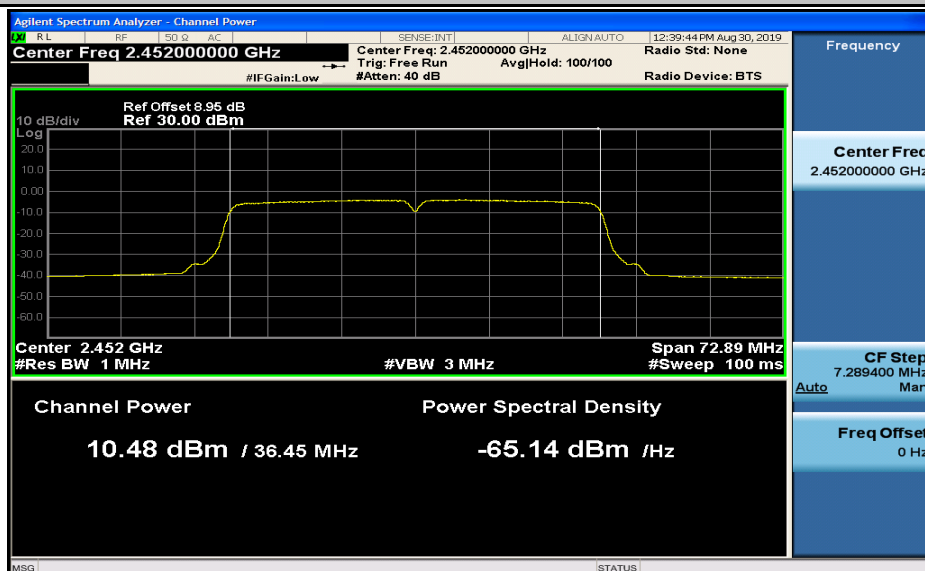
Maximum conducted (average) output power\_11N40SISO\_2422\_Ant1



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



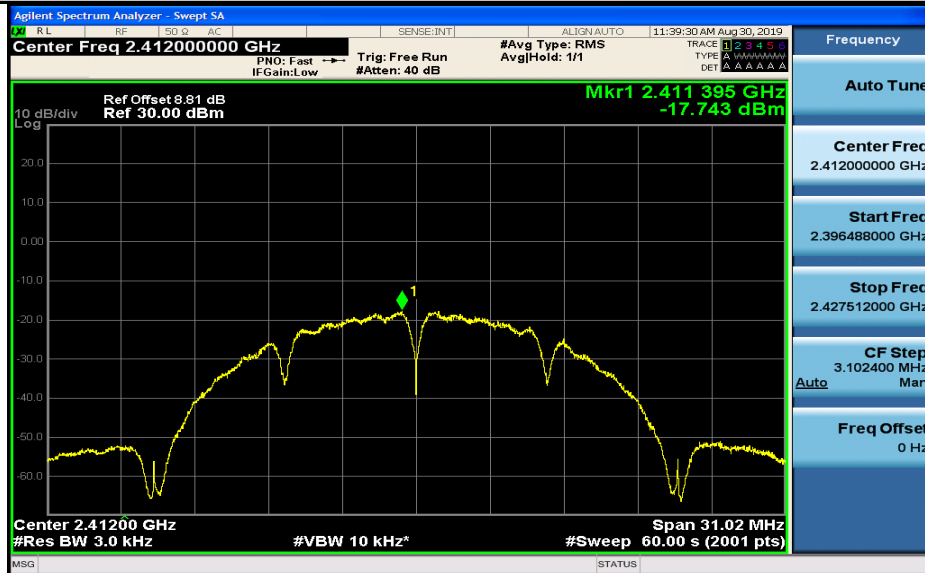
Maximum conducted (average) output power\_11N40SISO\_2452\_Ant1



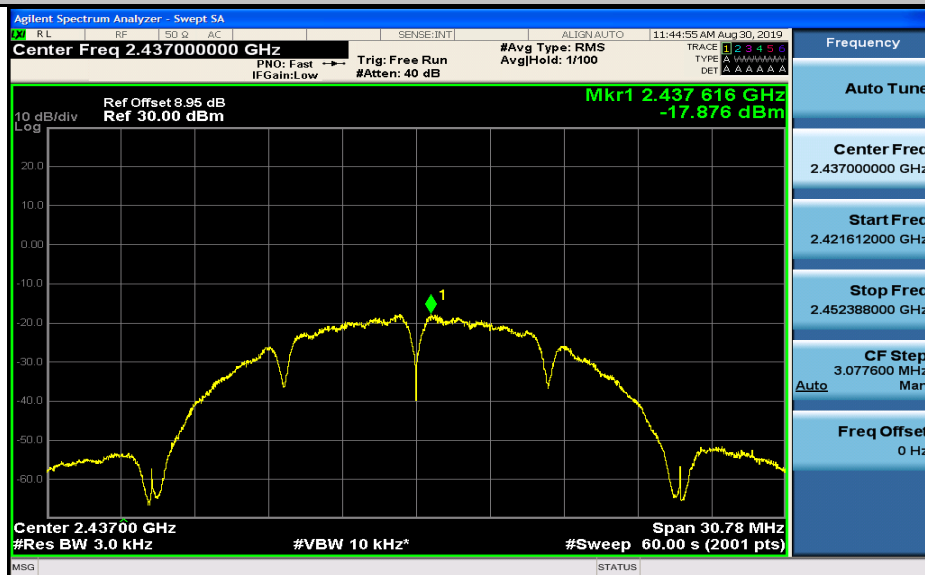
#### 4.Maximum(average) power spectral density

| Test Mode | Test Channel | Ant  | Level [dBm/3kHz] | 10log(1/x) Factor[dB] | PSD[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|--------------|------|------------------|-----------------------|---------------|-----------------|---------|
| 11B       | 2412         | Ant1 | -17.74           | 0.00                  | -17.74        | 8.00            | PASS    |
| 11B       | 2437         | Ant1 | -17.88           | 0.00                  | -17.88        | 8.00            | PASS    |
| 11B       | 2462         | Ant1 | -17.32           | 0.00                  | -17.32        | 8.00            | PASS    |
| 11G       | 2412         | Ant1 | -22.34           | 0.28                  | -22.06        | 8.00            | PASS    |
| 11G       | 2437         | Ant1 | -21.92           | 0.16                  | -21.76        | 8.00            | PASS    |
| 11G       | 2462         | Ant1 | -21.59           | 0.08                  | -21.51        | 8.00            | PASS    |
| 11N20SISO | 2412         | Ant1 | -23.30           | 0.30                  | -23.00        | 8.00            | PASS    |
| 11N20SISO | 2437         | Ant1 | -22.83           | 0.23                  | -22.60        | 8.00            | PASS    |
| 11N20SISO | 2462         | Ant1 | -22.62           | 0.34                  | -22.28        | 8.00            | PASS    |
| 11N40SISO | 2422         | Ant1 | -27.93           | 0.60                  | -27.33        | 8.00            | PASS    |
| 11N40SISO | 2437         | Ant1 | -27.56           | 0.41                  | -27.15        | 8.00            | PASS    |
| 11N40SISO | 2452         | Ant1 | -26.68           | 0.38                  | -26.30        | 8.00            | PASS    |

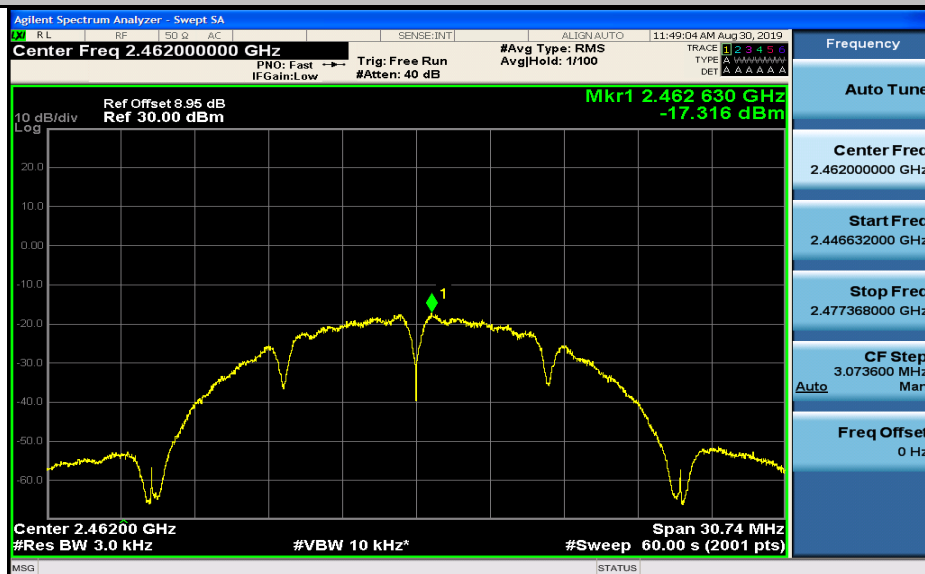
Maximum(average) power spectral density\_11B\_2412\_Ant1



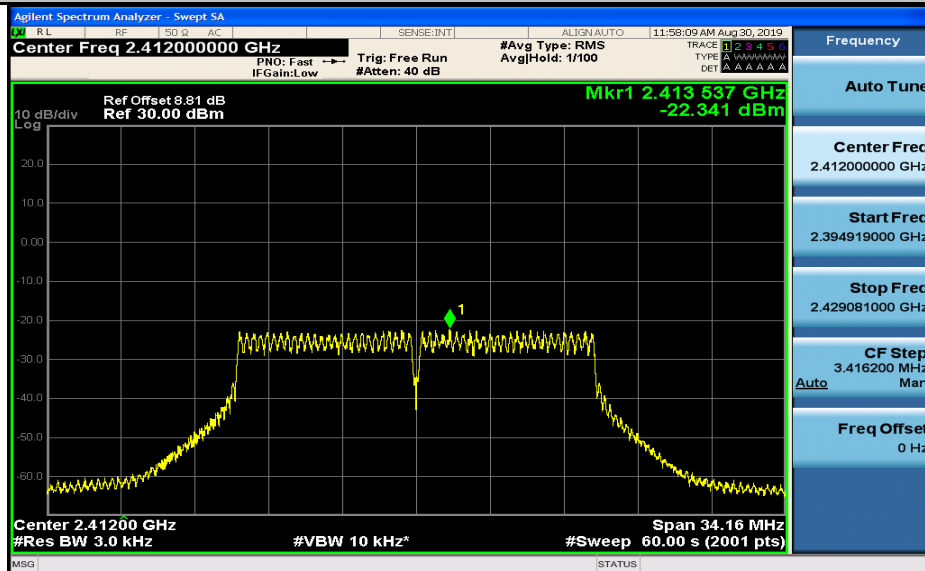
Maximum(average) power spectral density\_11B\_2437\_Ant1



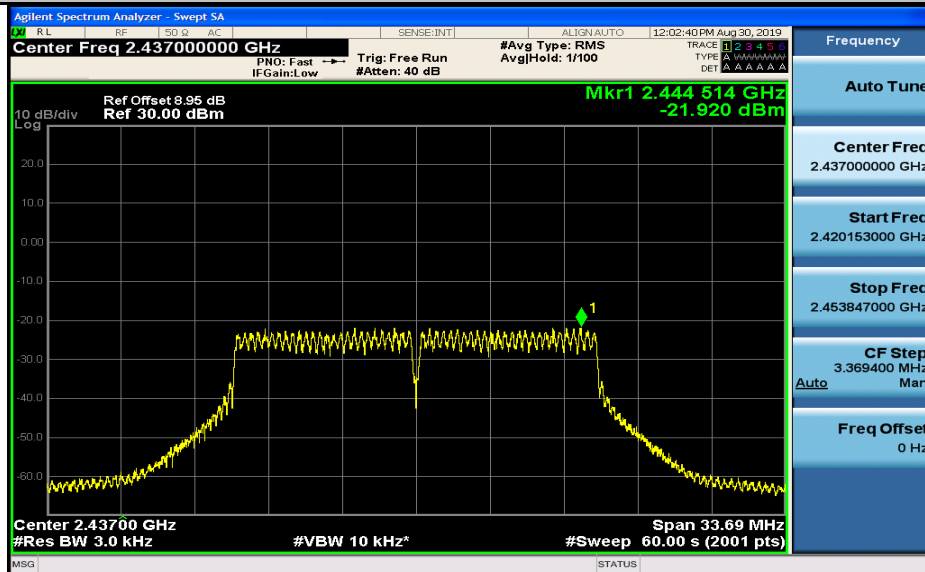
Maximum(average) power spectral density\_11B\_2462\_Ant1



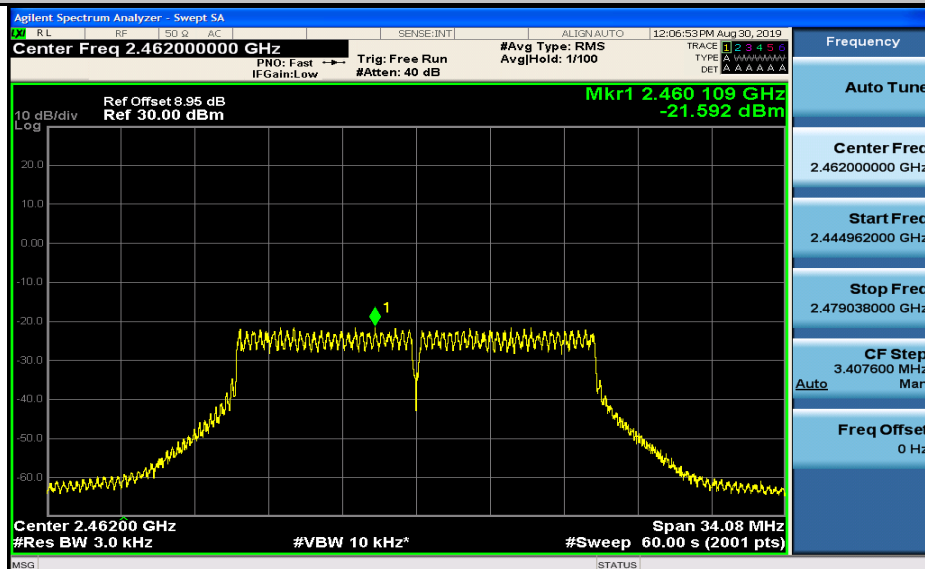
Maximum(average) power spectral density\_11G\_2412\_Ant1



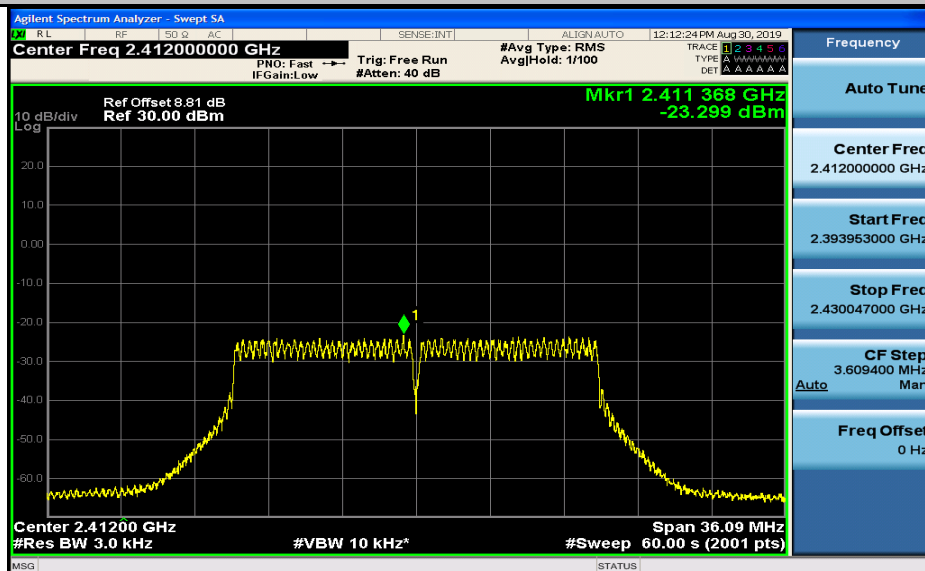
Maximum(average) power spectral density\_11G\_2437\_Ant1



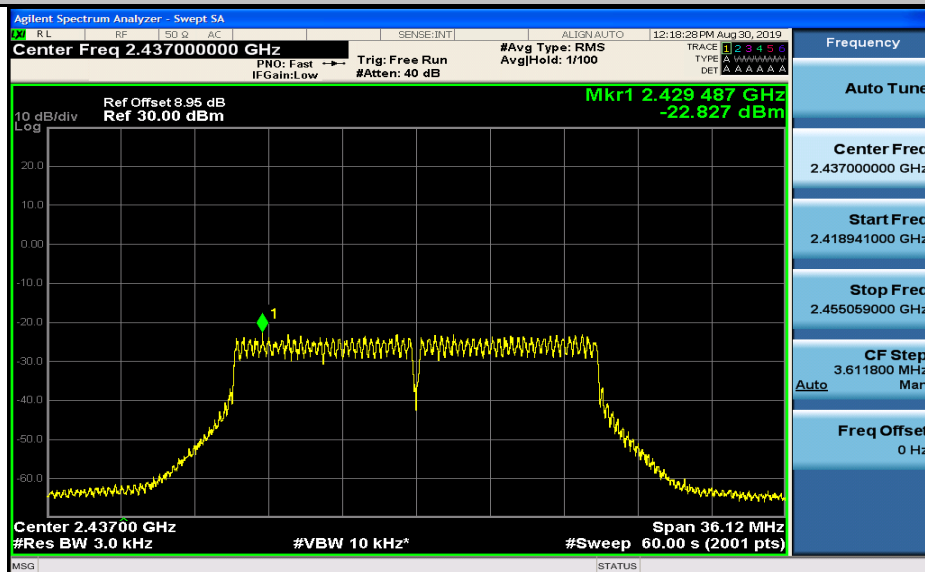
Maximum(average) power spectral density\_11G\_2462\_Ant1



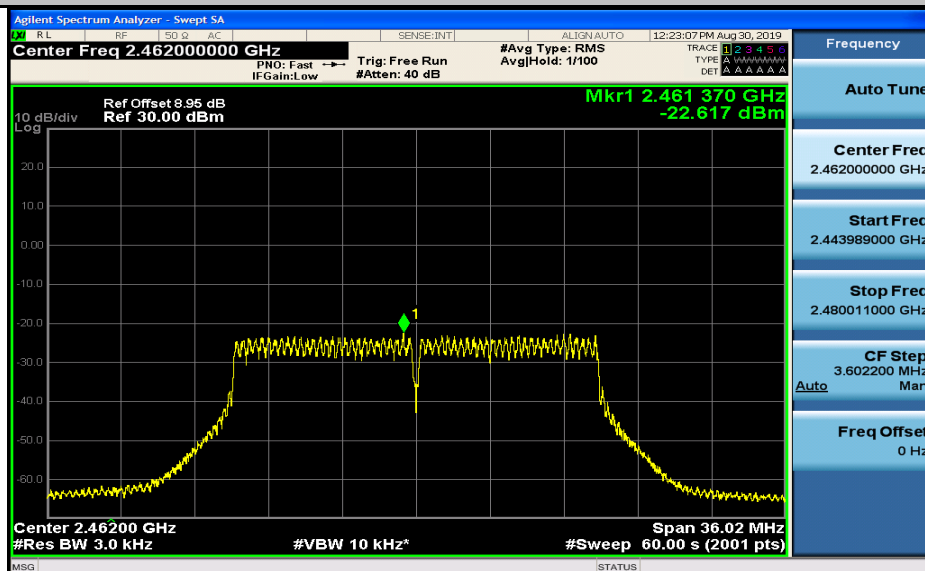
Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



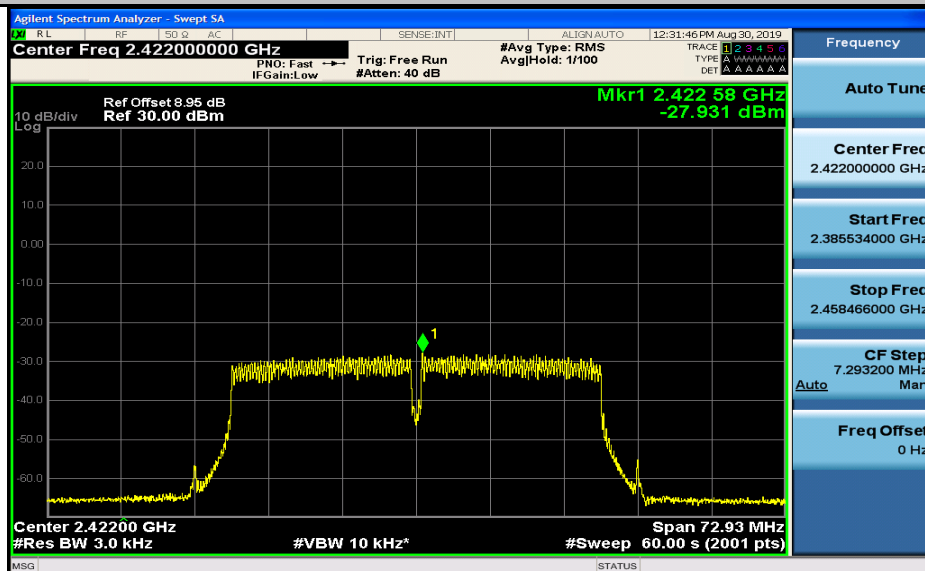
Maximum(average) power spectral density\_11N20SISO\_2437\_Ant1



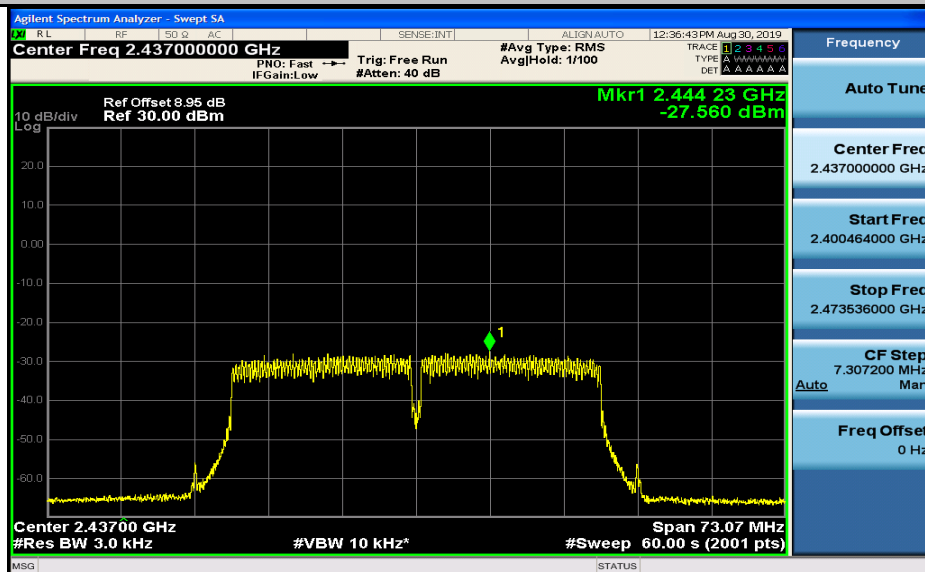
Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1



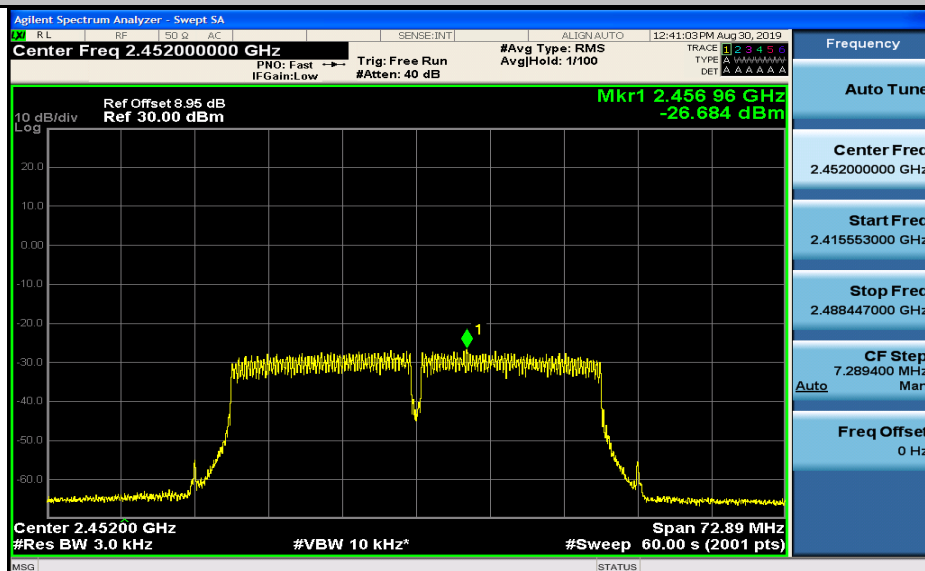
Maximum(average) power spectral density\_11N40SISO\_2422\_Ant1



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



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



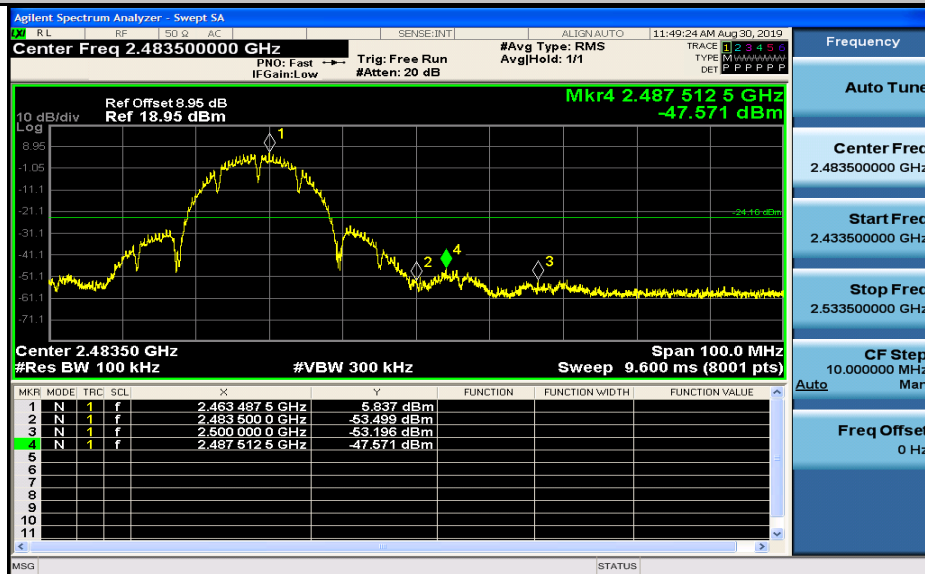
**5.Band-edge for RF Conducted Emissions**

| Test Mode | Test Channel | Ant  | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|--------------------|---------------------------|-------------|---------|
| 11B       | 2412         | Ant1 | 5.75               | -28.72                    | -24.25      | PASS    |
| 11B       | 2462         | Ant1 | 5.84               | -47.57                    | -24.16      | PASS    |
| 11G       | 2412         | Ant1 | 0.80               | -34.74                    | -29.20      | PASS    |
| 11G       | 2462         | Ant1 | 1.51               | -46.59                    | -28.49      | PASS    |
| 11N20SISO | 2412         | Ant1 | 0.04               | -36.26                    | -29.96      | PASS    |
| 11N20SISO | 2462         | Ant1 | 1.01               | -46.42                    | -28.99      | PASS    |
| 11N40SISO | 2422         | Ant1 | -4.36              | -39.54                    | -34.36      | PASS    |
| 11N40SISO | 2452         | Ant1 | -2.98              | -48.11                    | -32.98      | PASS    |

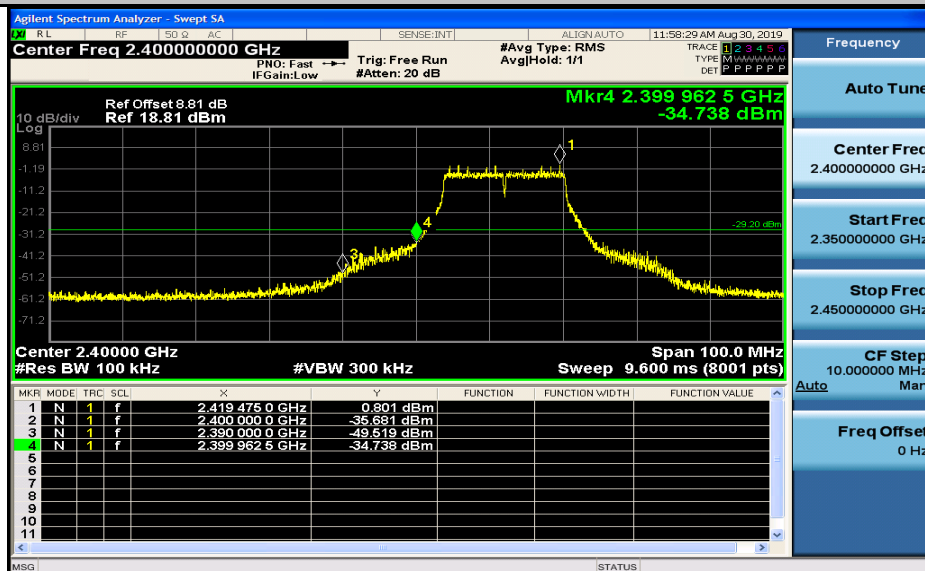
### Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



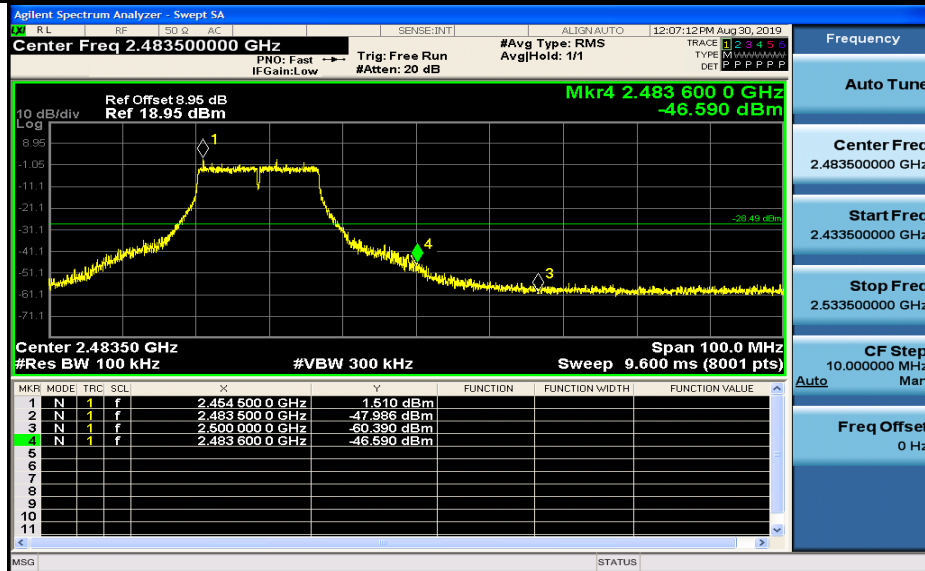
### Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



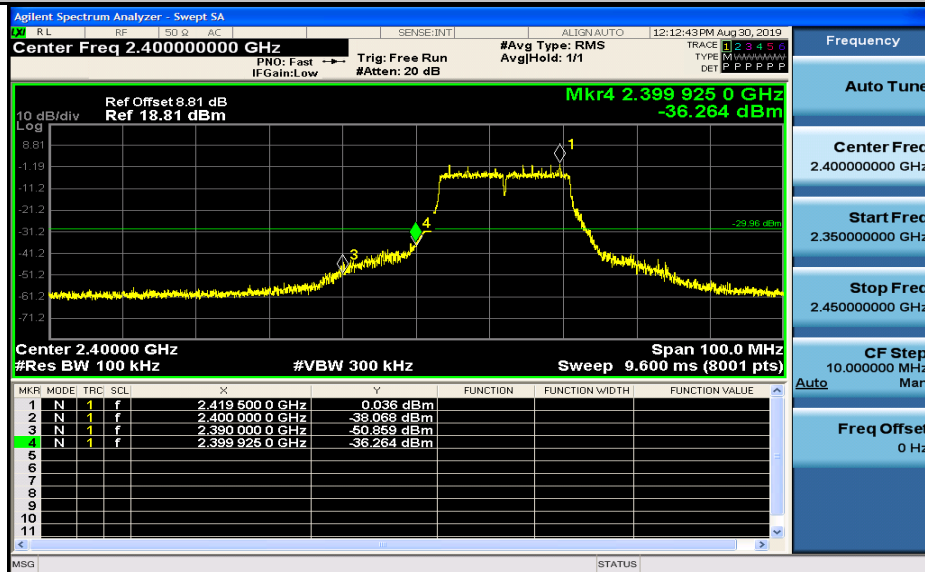
### Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



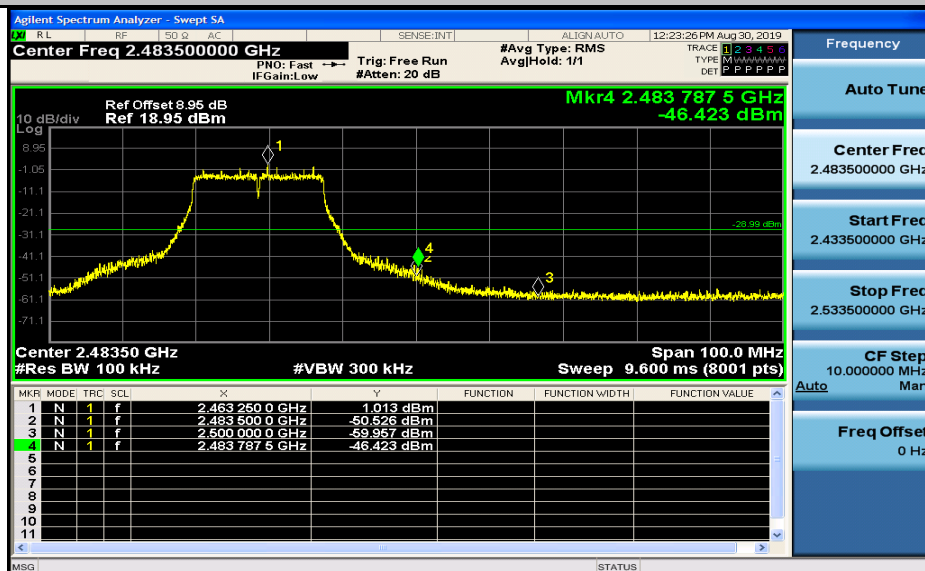
Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



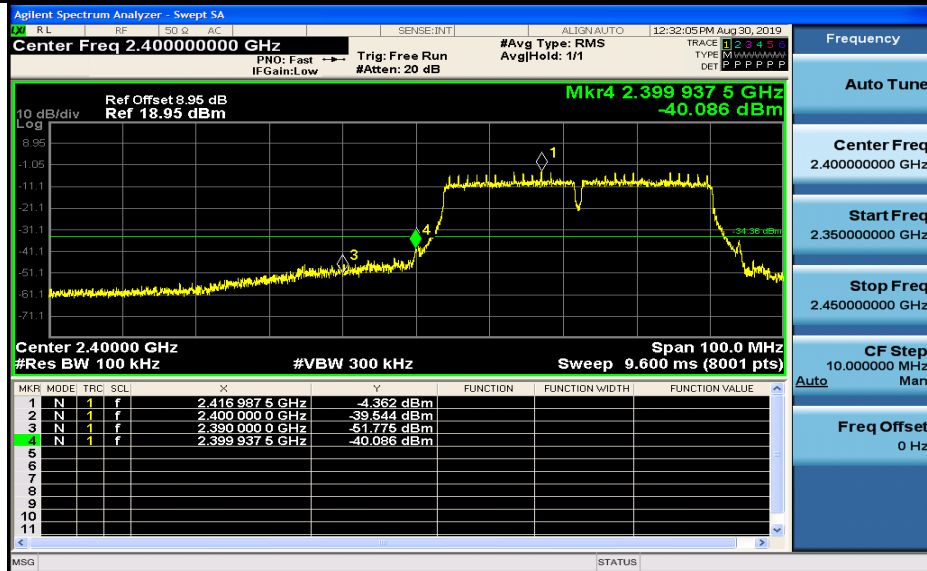
Band-edge for RF Conducted Emissions\_11N20SISO\_2412\_Ant1



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



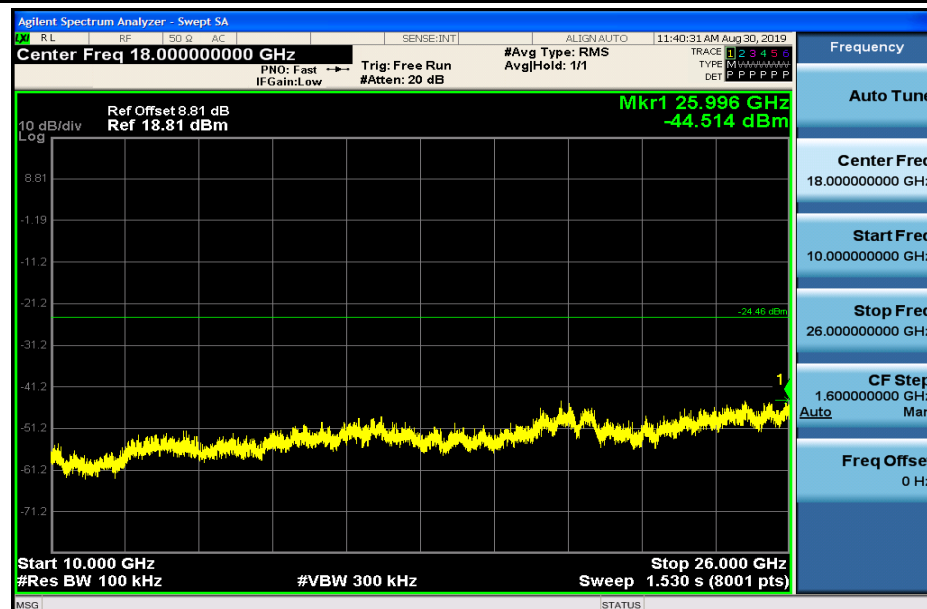
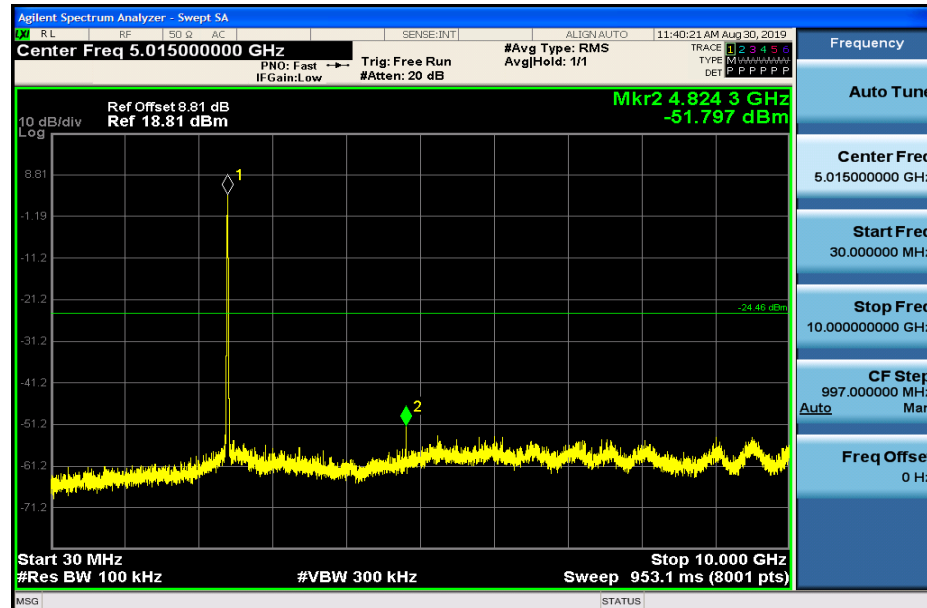
**6.RF Conducted Spurious Emissions**

| 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       | 5.54      | -51.80           | <-<br>24.46  | PASS    |
| 11B       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | 5.539     | -44.514          | <-<br>24.461 | PASS    |
| 11B       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 5.92      | -53.45           | <-<br>24.08  | PASS    |
| 11B       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 5.916     | -43.548          | <-<br>24.084 | PASS    |
| 11B       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 5.55      | -54.39           | <-<br>24.45  | PASS    |
| 11B       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 5.546     | -42.384          | <-<br>24.454 | PASS    |
| 11G       | 2412         | Ant1 | 30             | 10000         | 100       | 300       | 1.06      | -53.54           | <-<br>28.94  | PASS    |
| 11G       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | 1.063     | -43.788          | <-<br>28.937 | PASS    |
| 11G       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 1.51      | -53.54           | <-<br>28.49  | PASS    |
| 11G       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 1.512     | -44.358          | <-<br>28.488 | PASS    |
| 11G       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 1.57      | -54.12           | <-<br>28.43  | PASS    |
| 11G       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 1.57      | -43.496          | <-<br>28.43  | PASS    |
| 11N20SISO | 2412         | Ant1 | 30             | 10000         | 100       | 300       | -0.32     | -53.45           | <-<br>30.32  | PASS    |
| 11N20SISO | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | -0.323    | -43.822          | <-<br>30.323 | PASS    |
| 11N20SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 0.43      | -53.55           | <-<br>29.57  | PASS    |
| 11N20SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 0.429     | -43.443          | <-<br>29.571 | PASS    |
| 11N20SISO | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 0.74      | -54.32           | <-<br>29.26  | PASS    |
| 11N20SISO | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 0.739     | -43.325          | <-<br>29.261 | PASS    |
| 11N40SISO | 2422         | Ant1 | 30             | 10000         | 100       | 300       | -4.08     | -53.39           | <-<br>34.08  | PASS    |
| 11N40SISO | 2422         | Ant1 | 10000          | 26000         | 100       | 300       | -4.076    | -43.928          | <-<br>34.076 | PASS    |
| 11N40SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -4.22     | -53.87           | <-<br>34.22  | PASS    |
| 11N40SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -4.222    | -44.418          | <-<br>34.222 | PASS    |
| 11N40SISO | 2452         | Ant1 | 30             | 10000         | 100       | 300       | -2.90     | -53.81           | <-<br>32.90  | PASS    |

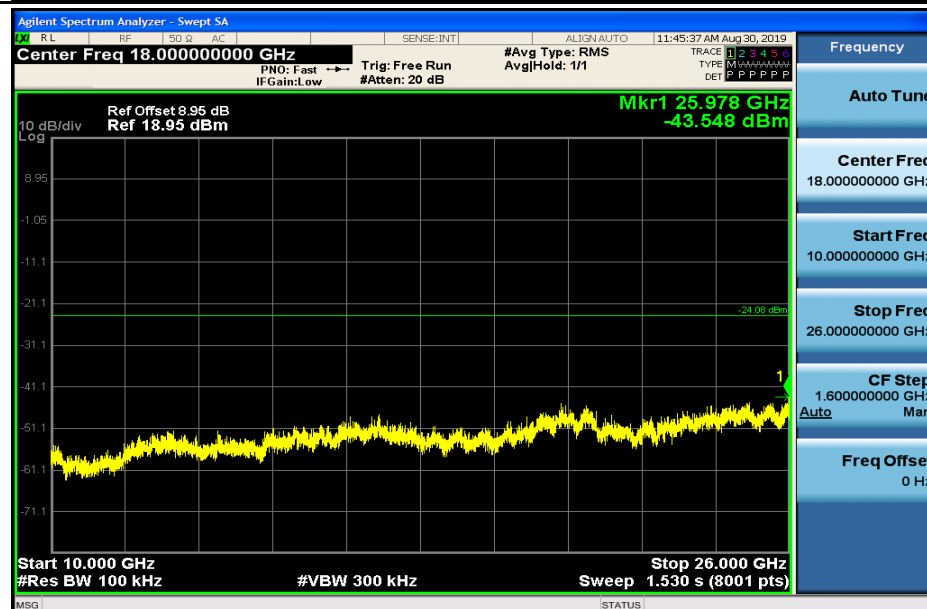
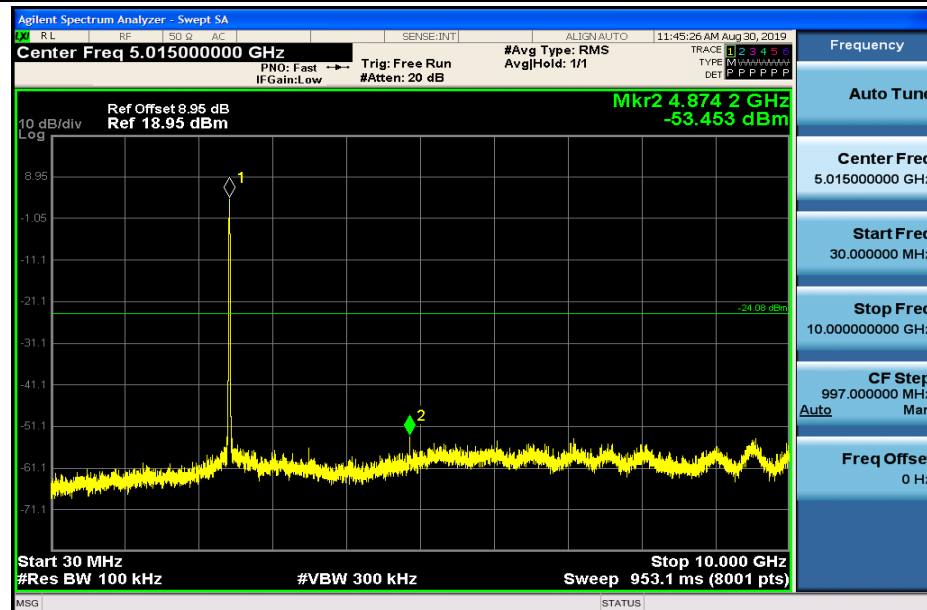


|           |      |      |       |       |     |     |        |         |              |      |
|-----------|------|------|-------|-------|-----|-----|--------|---------|--------------|------|
| 11N40SISO | 2452 | Ant1 | 10000 | 26000 | 100 | 300 | -2.901 | -44.168 | <-<br>32.901 | PASS |
|-----------|------|------|-------|-------|-----|-----|--------|---------|--------------|------|

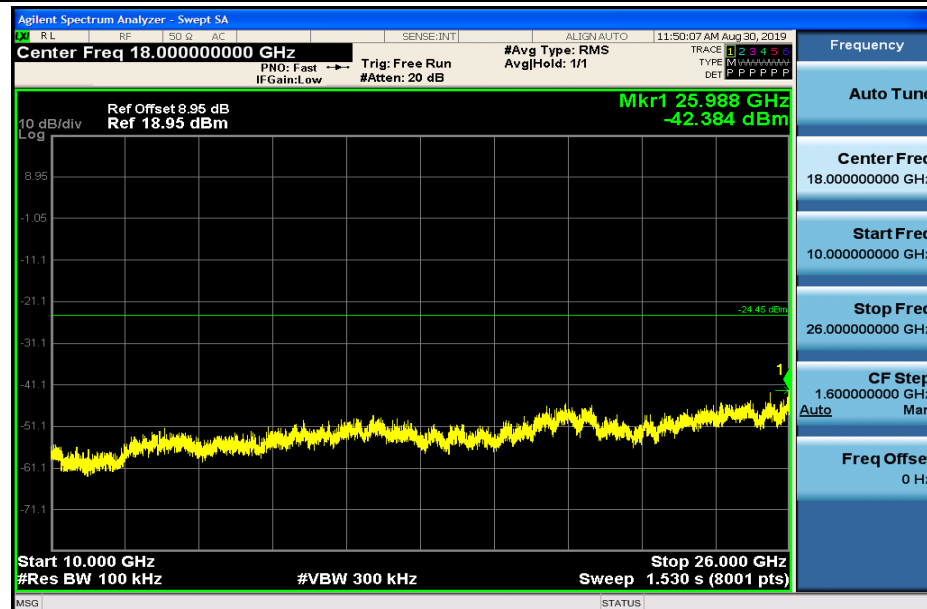
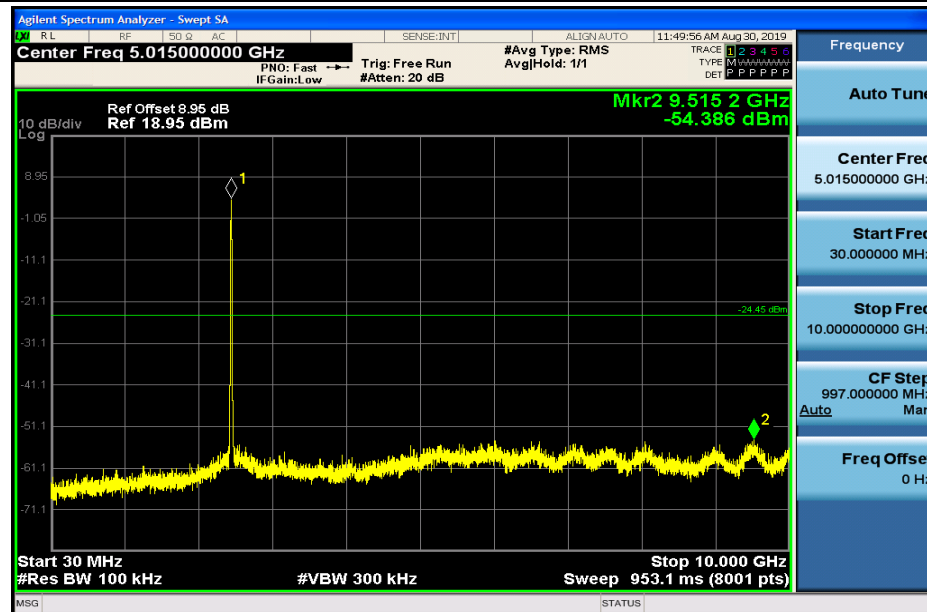
# RF Conducted Spurious Emissions\_11B\_2412



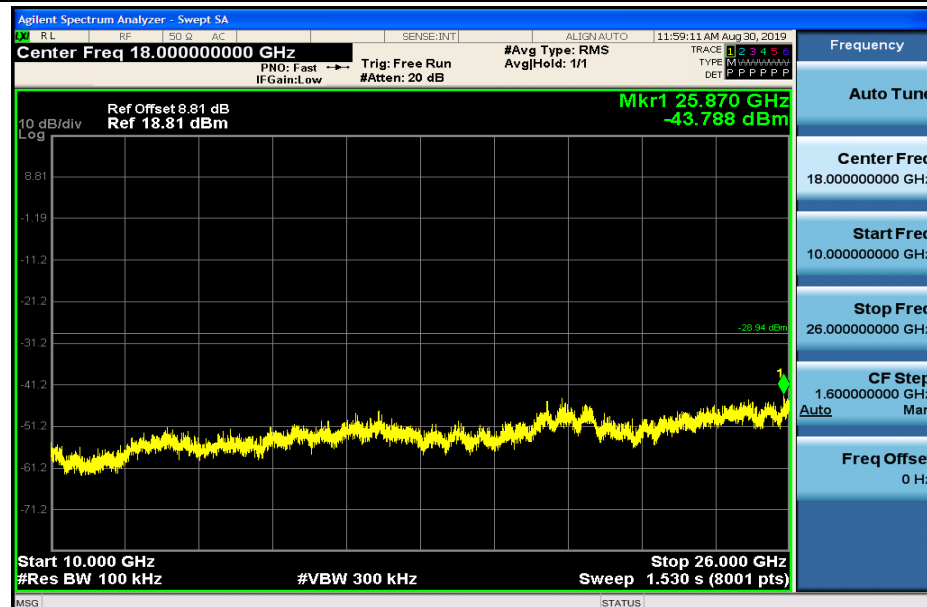
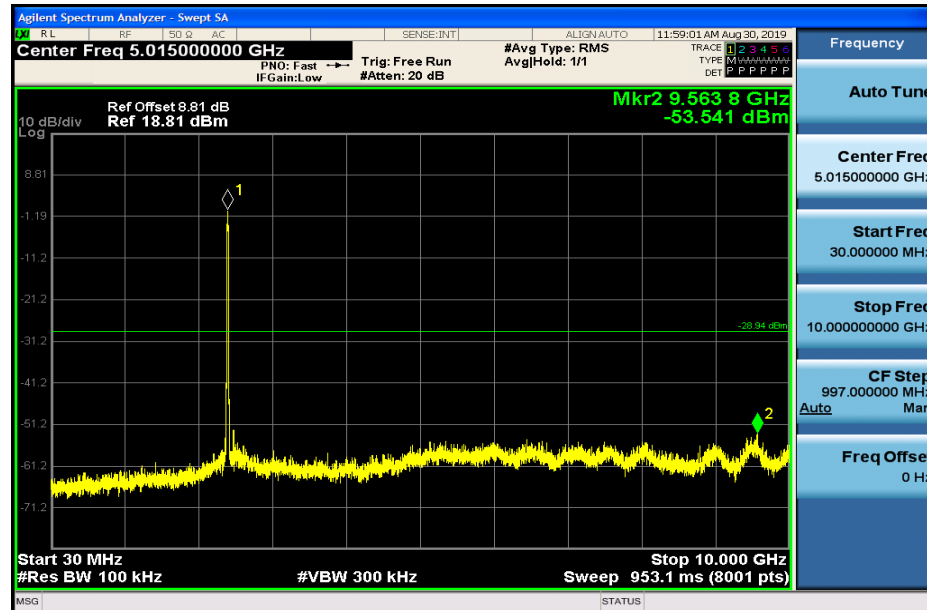
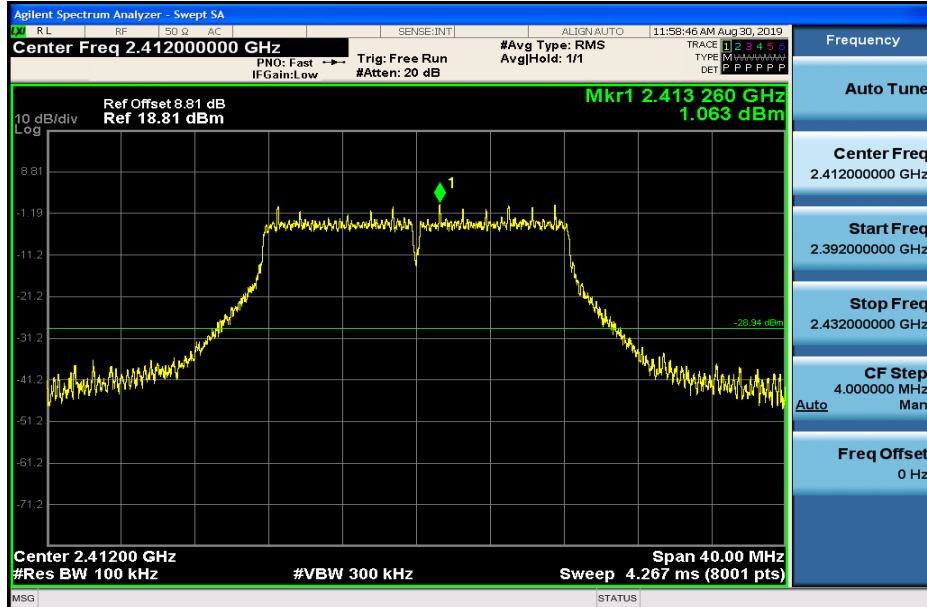
RF Conducted Spurious Emissions\_11B\_2437



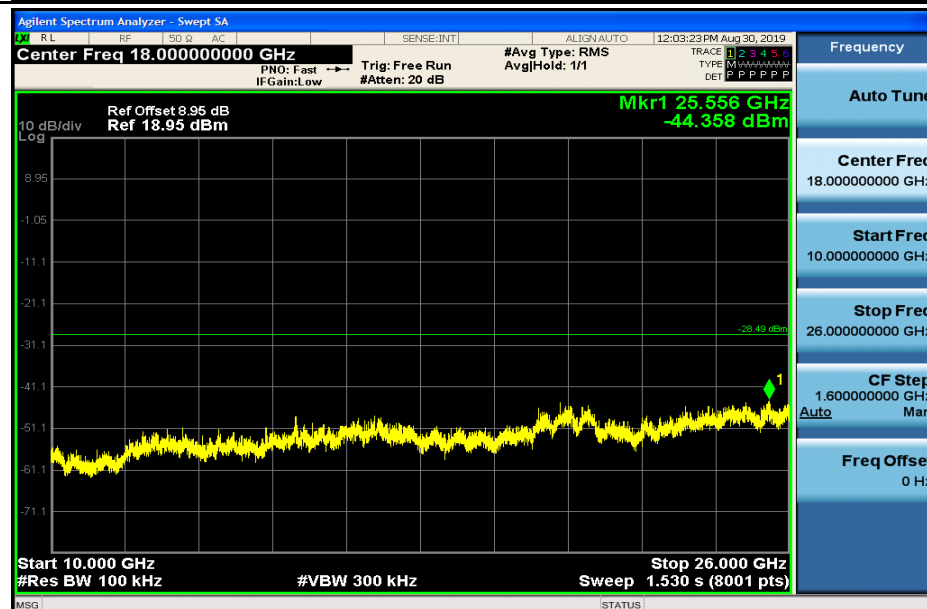
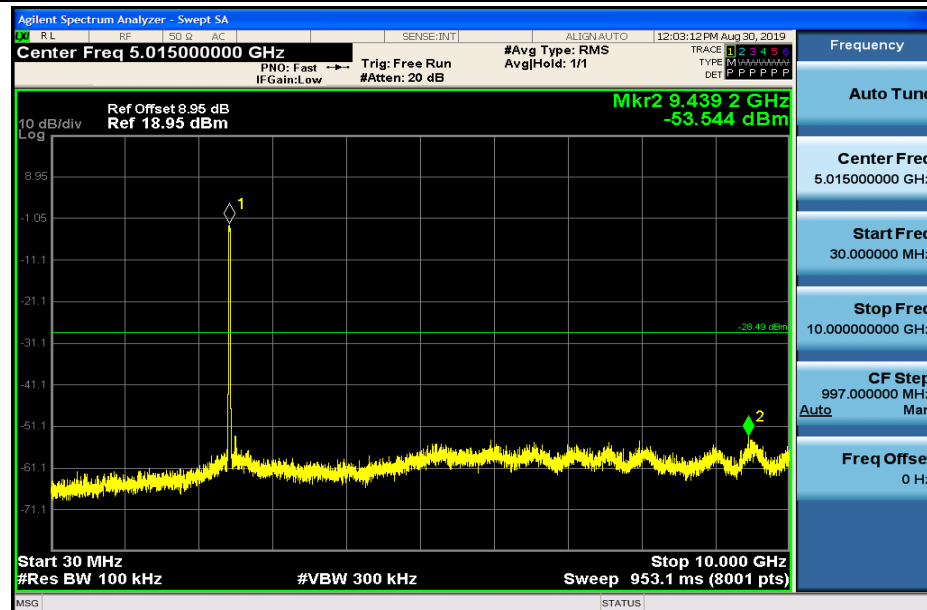
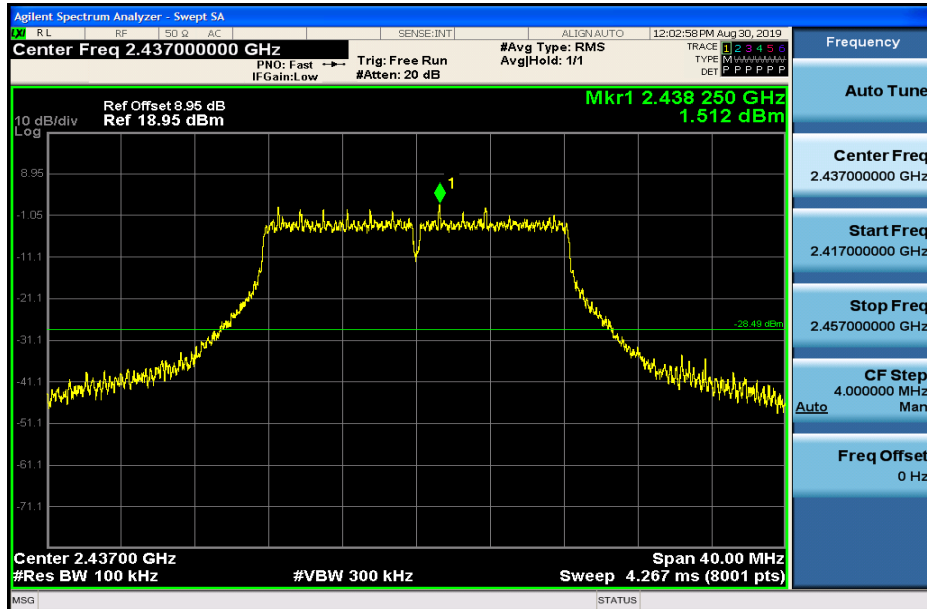
RF Conducted Spurious Emissions\_11B\_2462



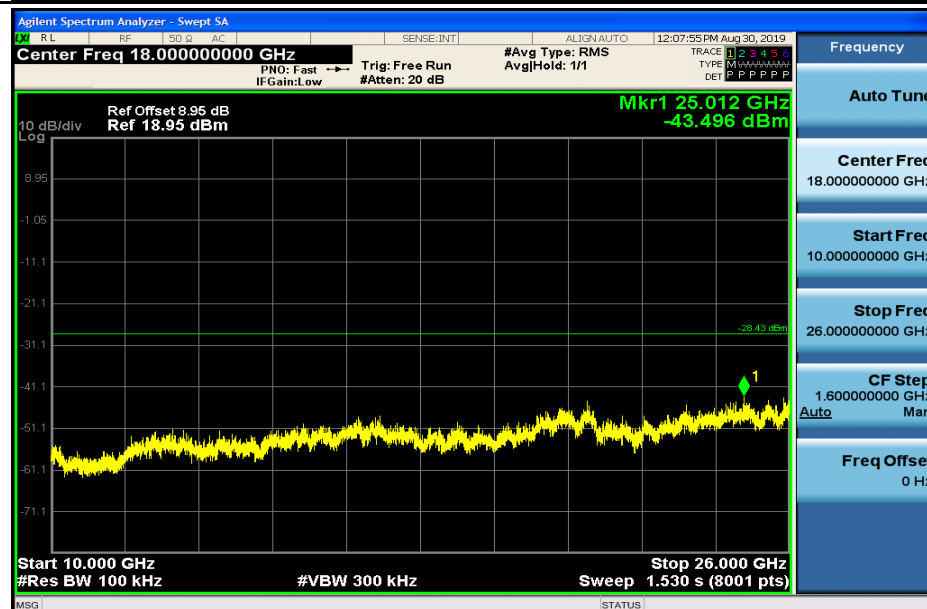
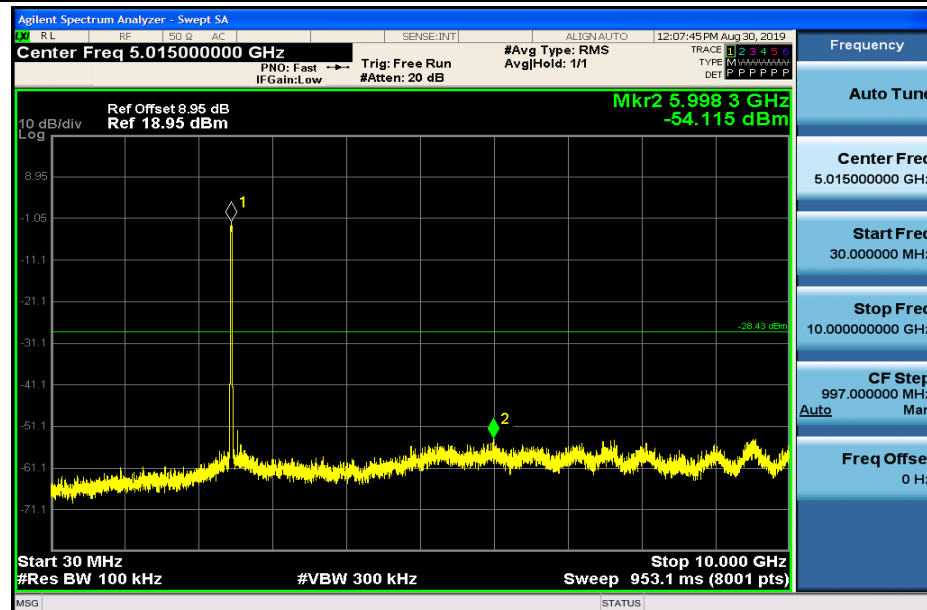
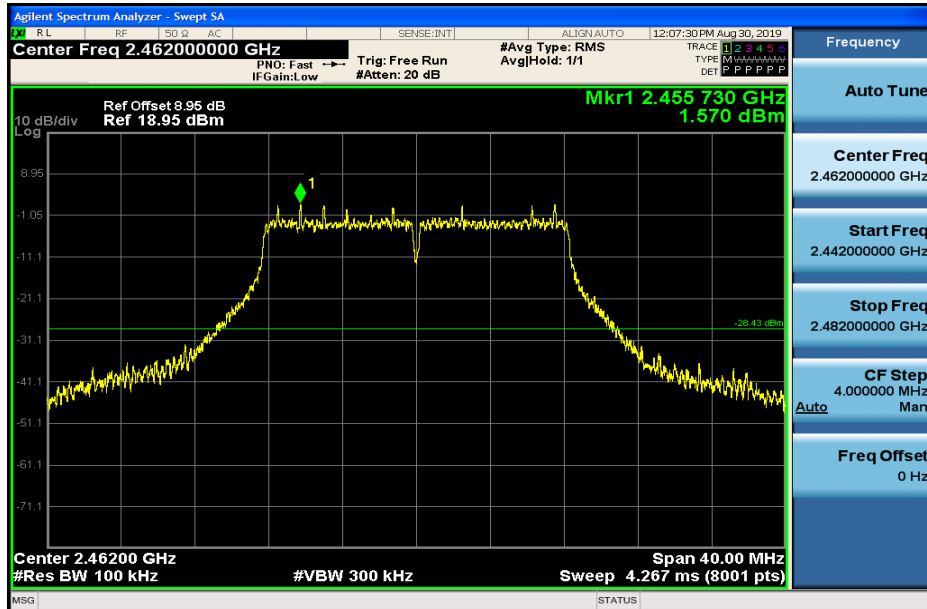
RF Conducted Spurious Emissions\_11G\_2412



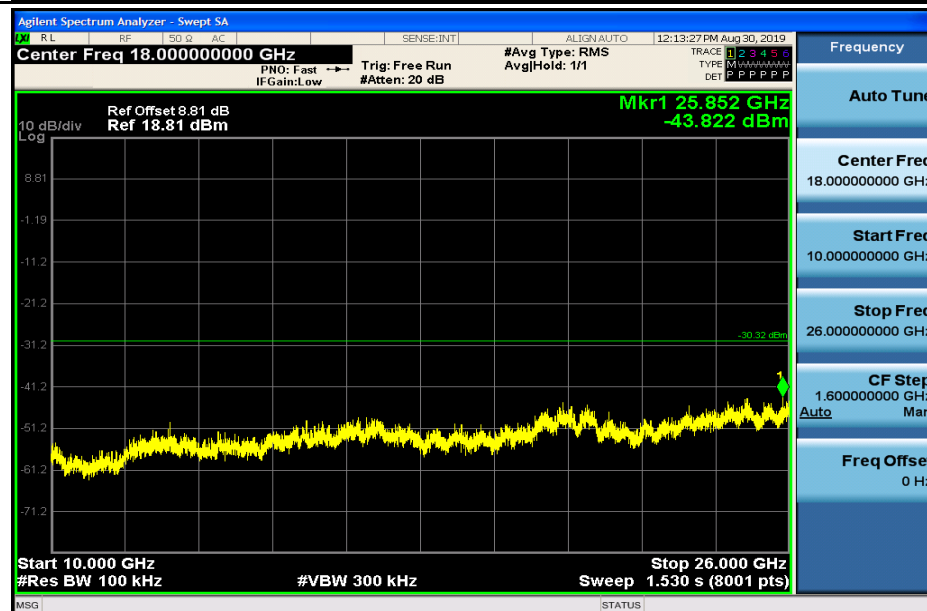
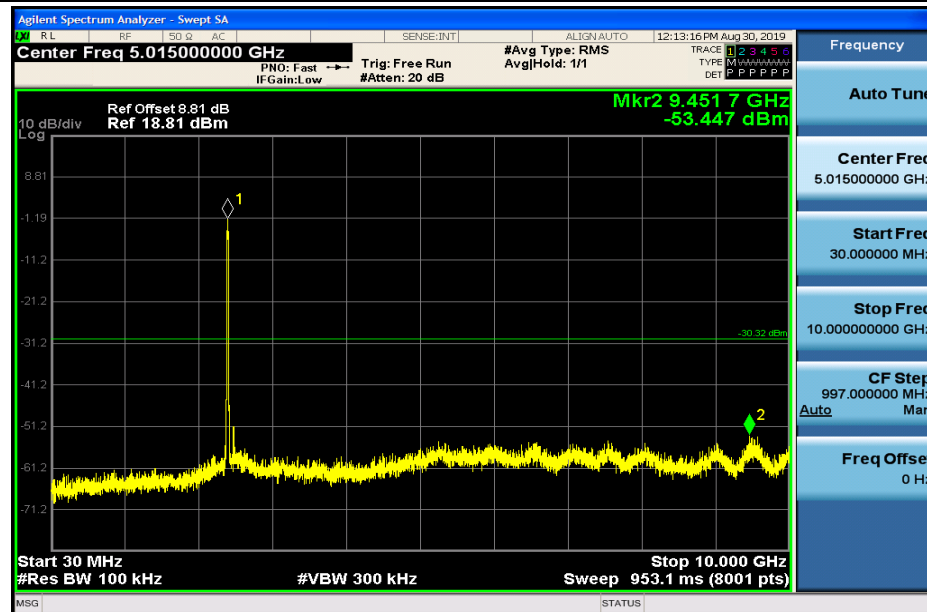
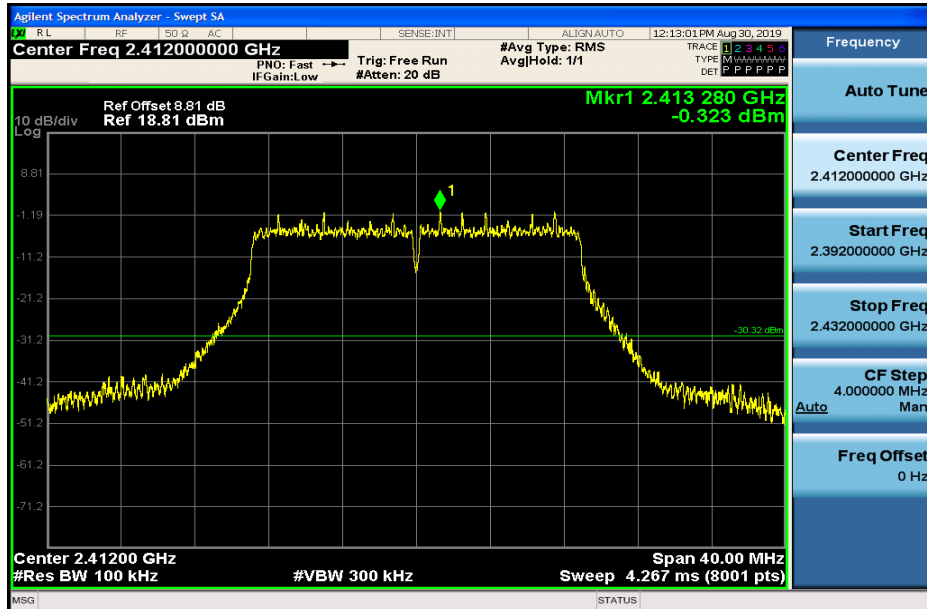
RF Conducted Spurious Emissions\_11G\_2437



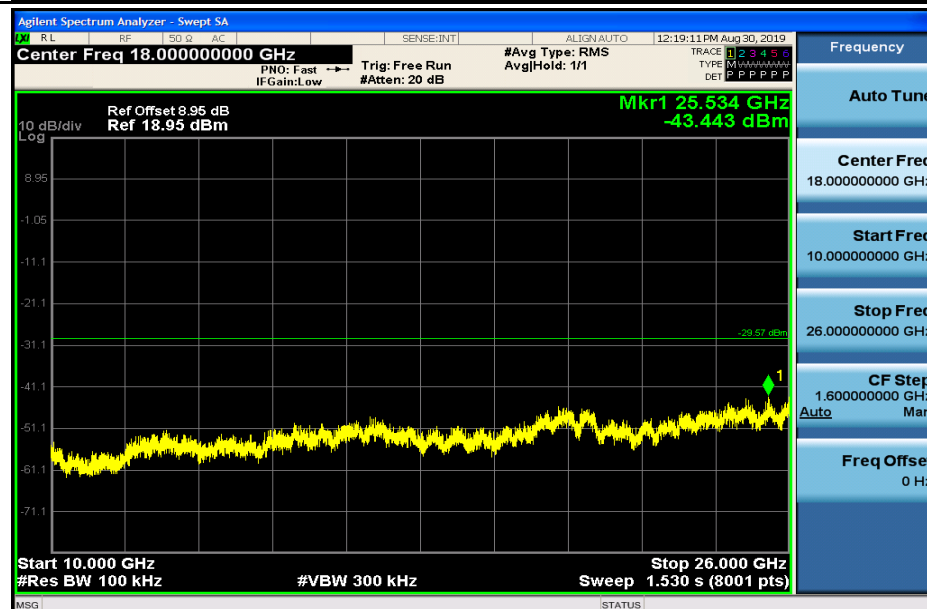
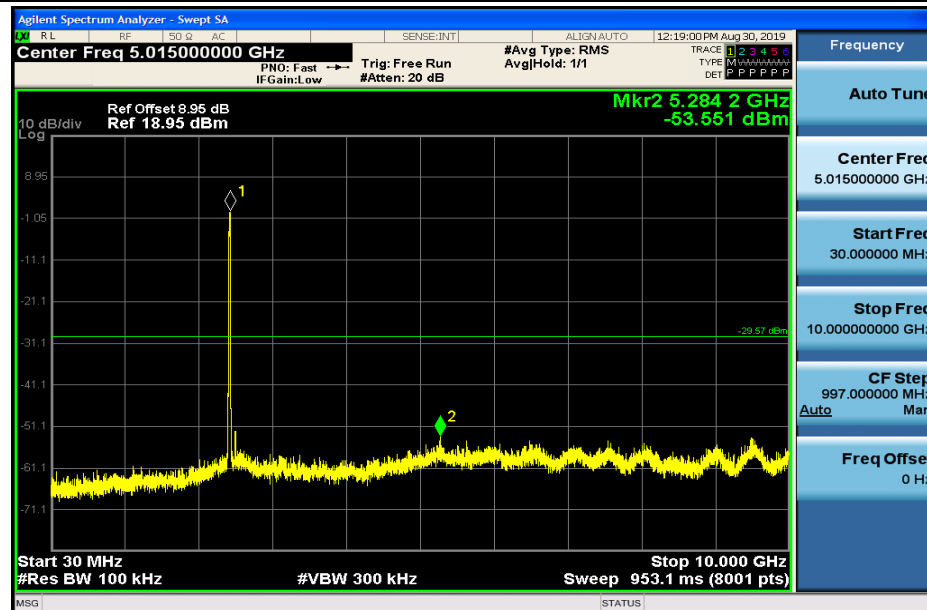
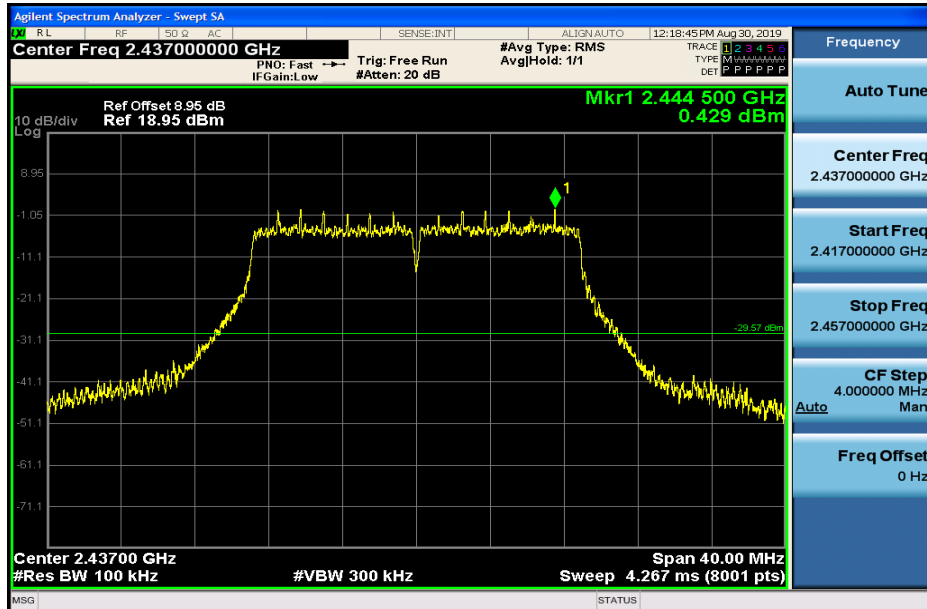
RF Conducted Spurious Emissions\_11G\_2462



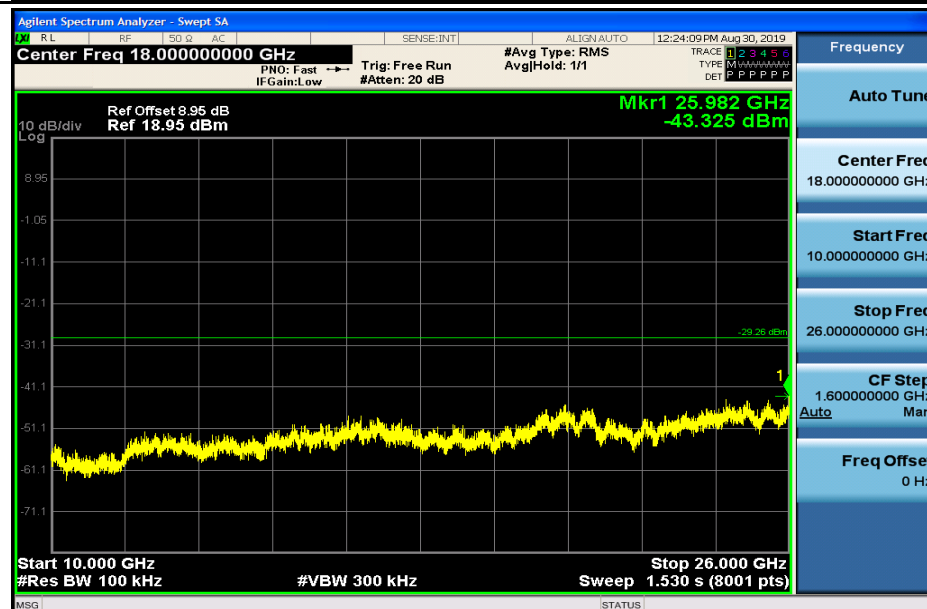
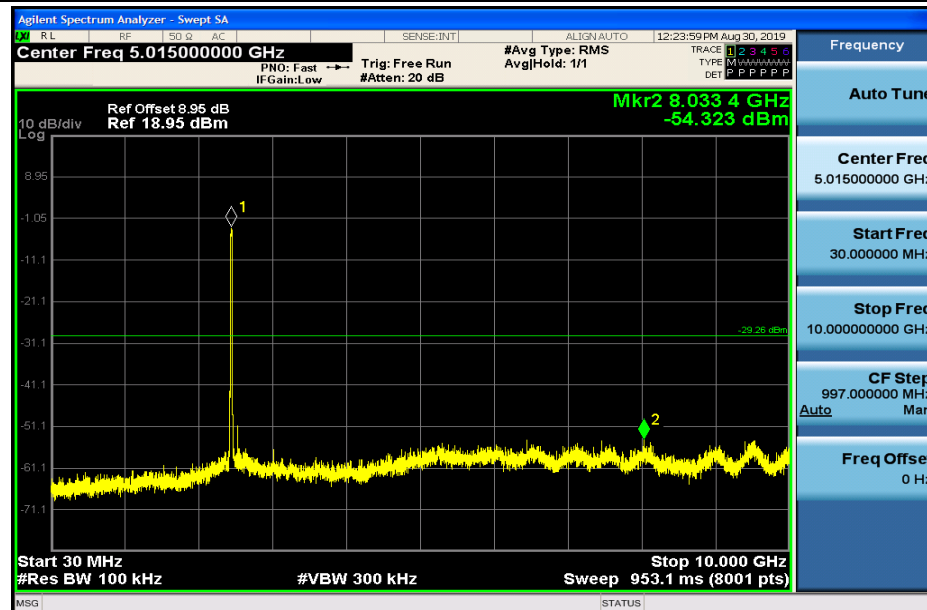
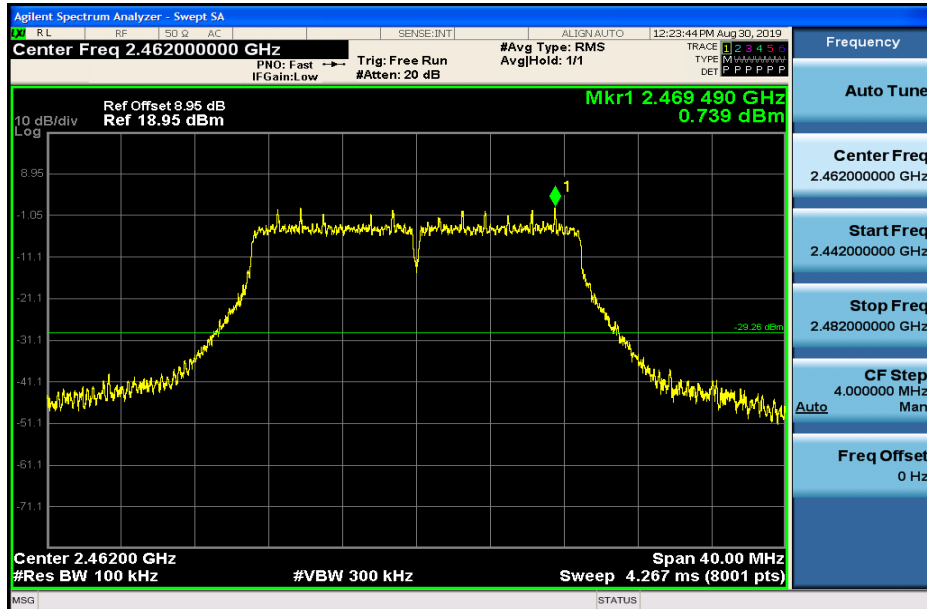
RF Conducted Spurious Emissions\_11N20SISO\_2412



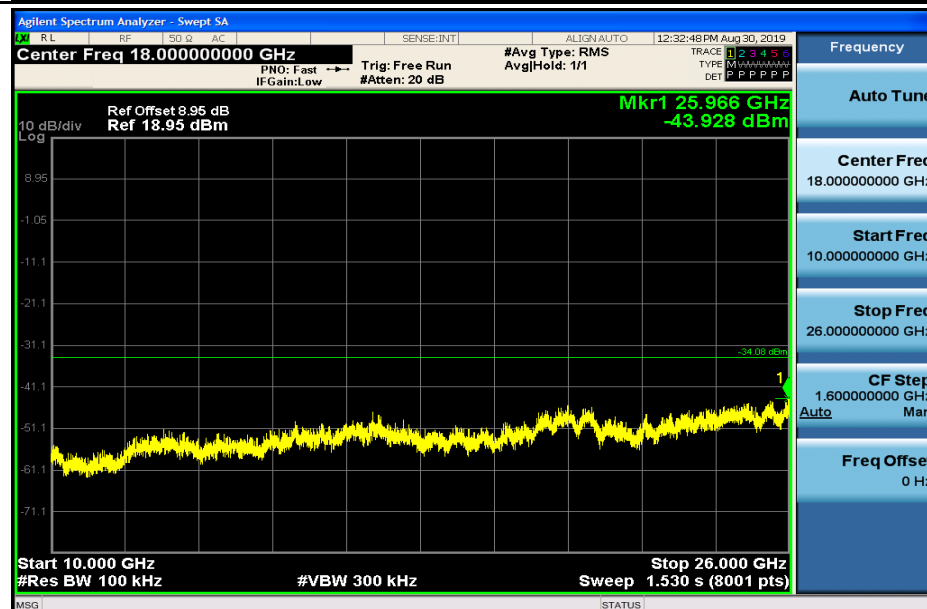
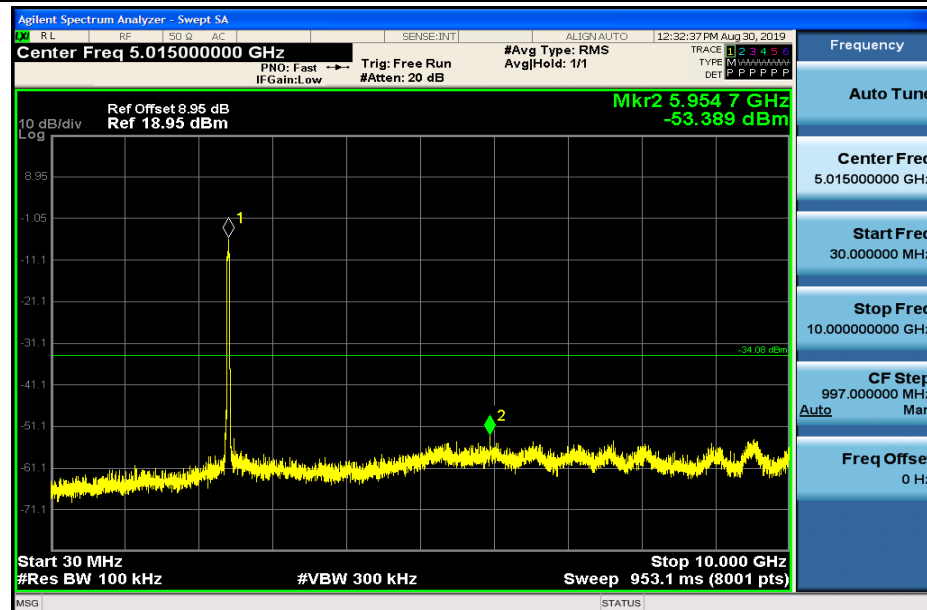
RF Conducted Spurious Emissions\_11N20SISO\_2437



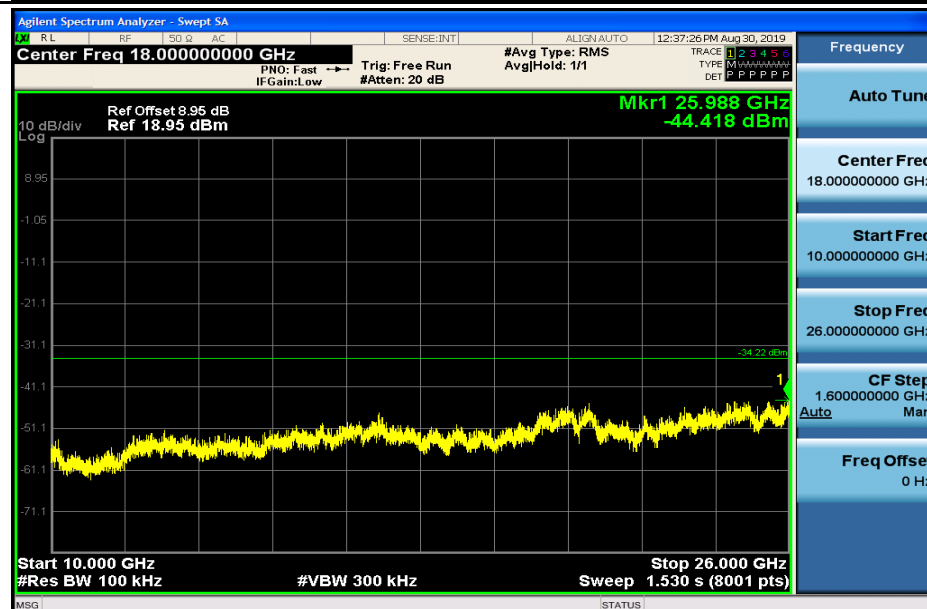
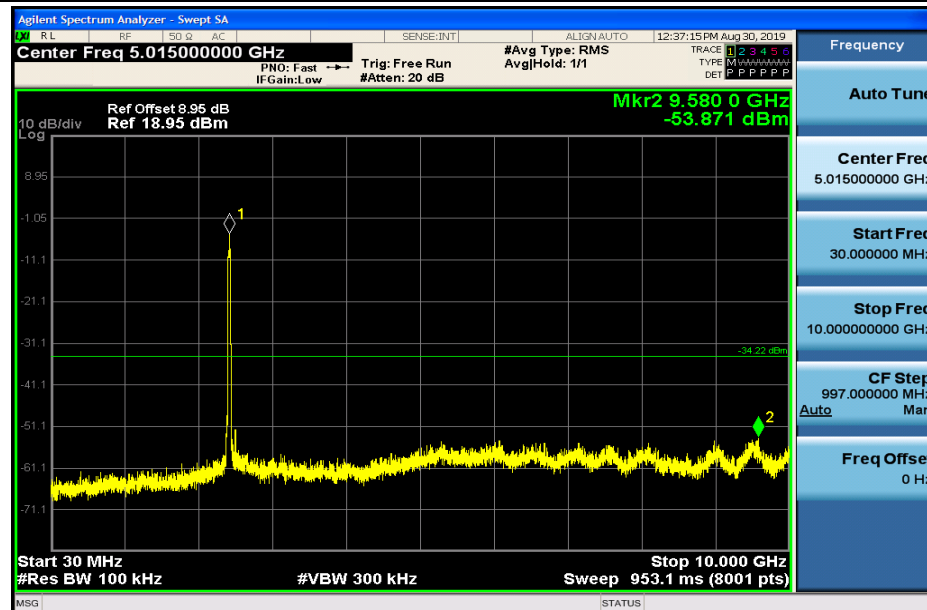
RF Conducted Spurious Emissions\_11N20SISO\_2462



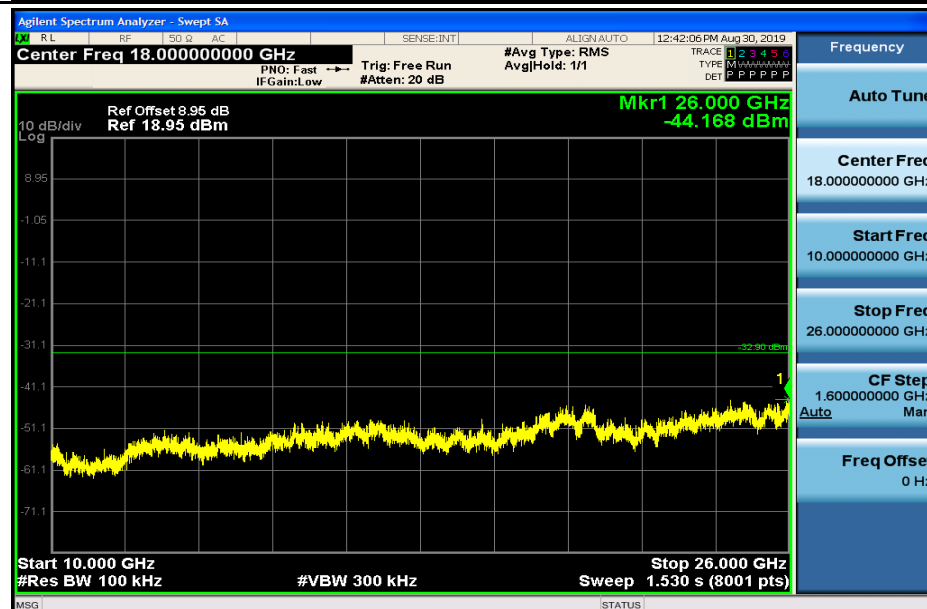
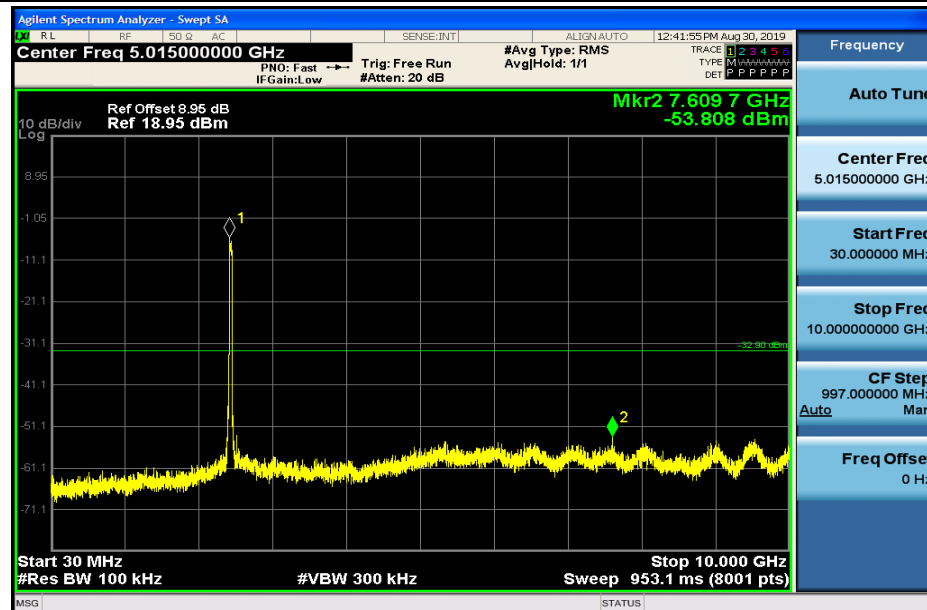
RF Conducted Spurious Emissions\_11N40SISO\_2422



RF Conducted Spurious Emissions\_11N40SISO\_2437



RF Conducted Spurious Emissions\_11N40SISO\_2452

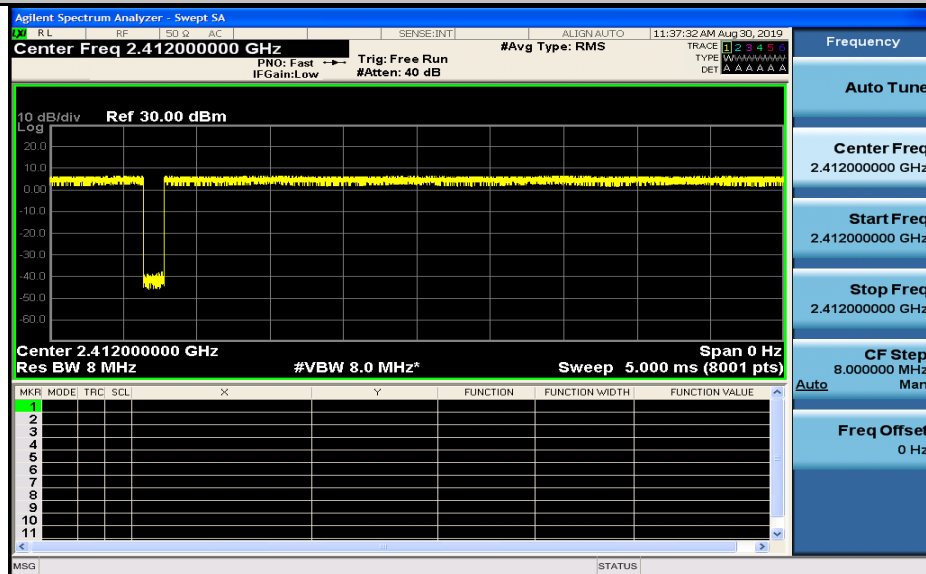




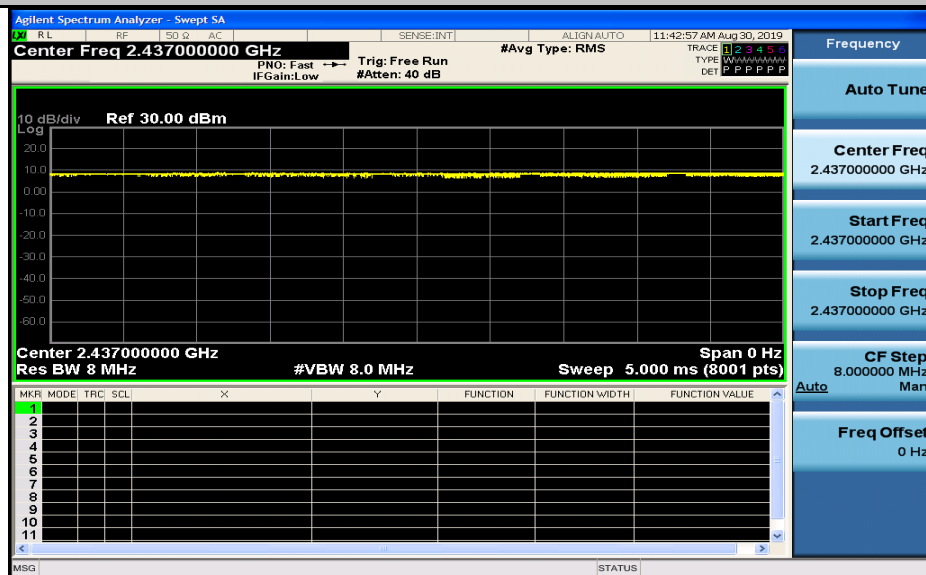
## 7.Duty Cycle

| 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 | 93.66         | 0.28                  |
| 11G       | 2437         | Ant1 | 96.32         | 0.16                  |
| 11G       | 2462         | Ant1 | 98.07         | 0.08                  |
| 11N20SISO | 2412         | Ant1 | 93.22         | 0.30                  |
| 11N20SISO | 2437         | Ant1 | 94.86         | 0.23                  |
| 11N20SISO | 2462         | Ant1 | 92.42         | 0.34                  |
| 11N40SISO | 2422         | Ant1 | 87.09         | 0.60                  |
| 11N40SISO | 2437         | Ant1 | 90.93         | 0.41                  |
| 11N40SISO | 2452         | Ant1 | 91.58         | 0.38                  |

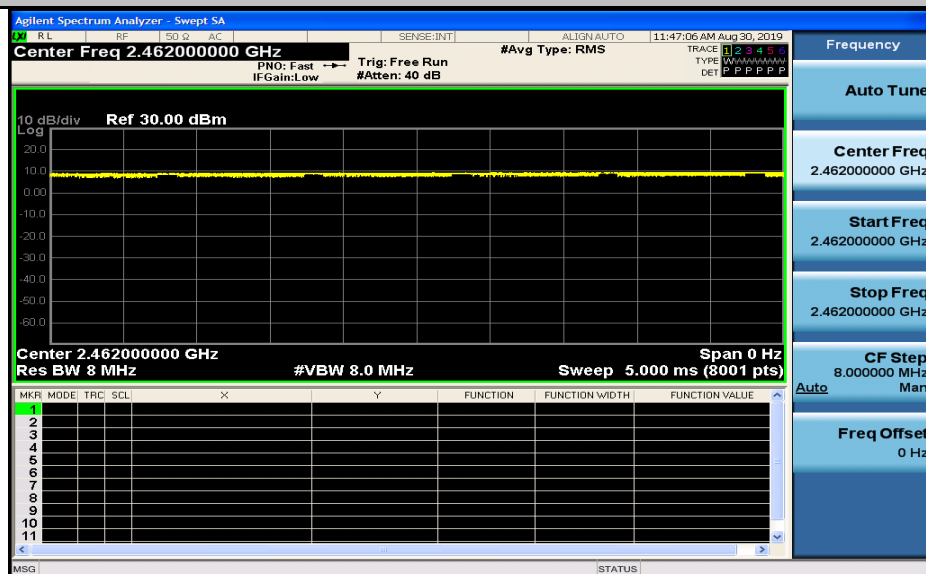
Duty Cycle\_11B\_2412\_Ant1



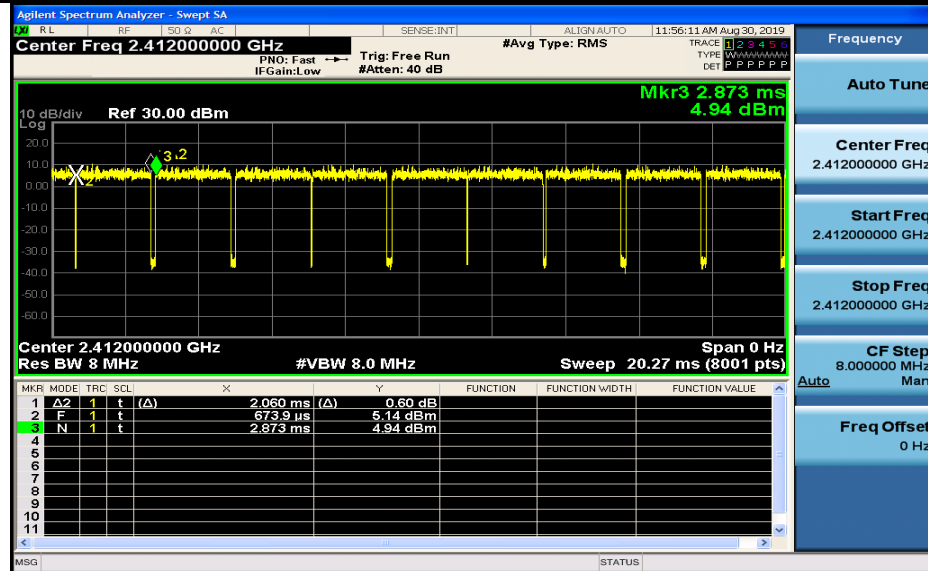
Duty Cycle\_11B\_2437\_Ant1



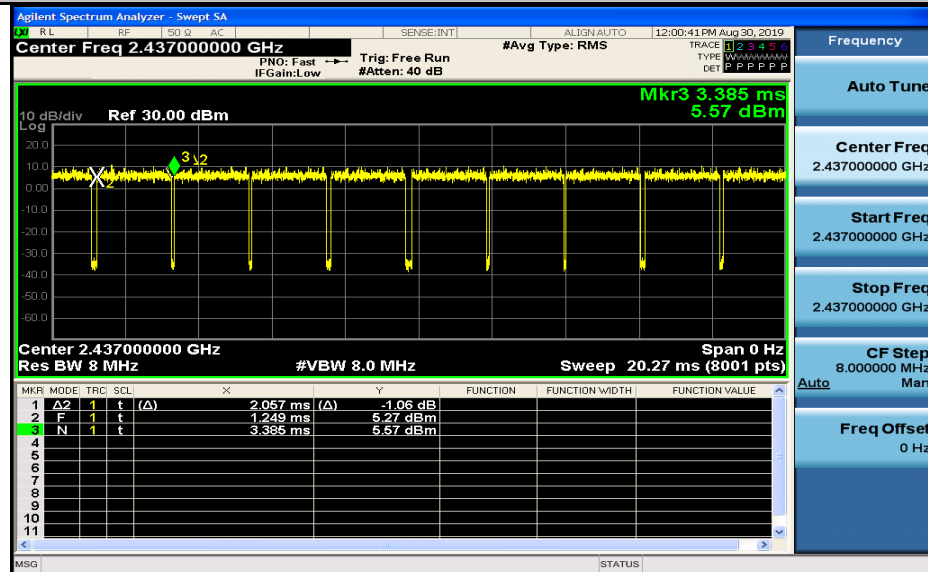
Duty Cycle\_11B\_2462\_Ant1



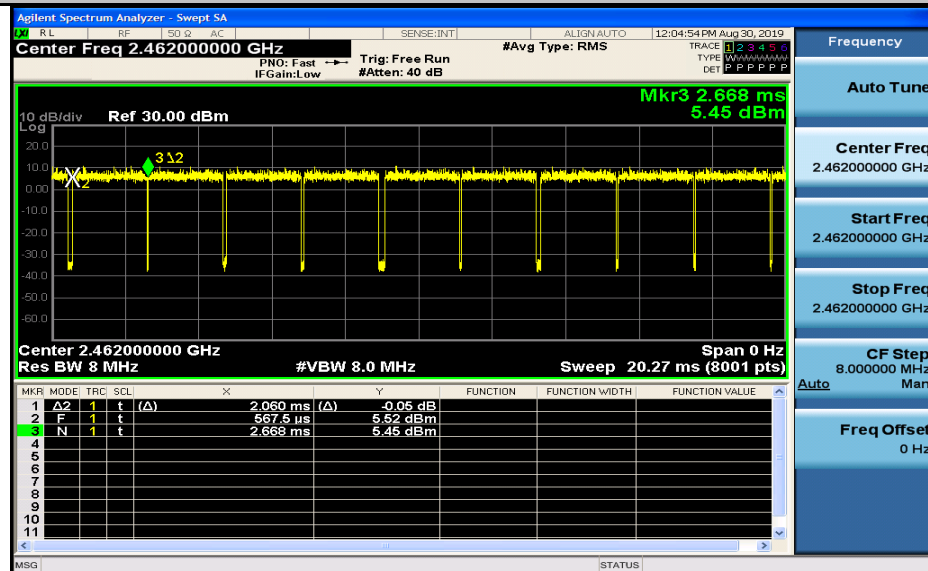
Duty Cycle\_11G\_2412\_Ant1



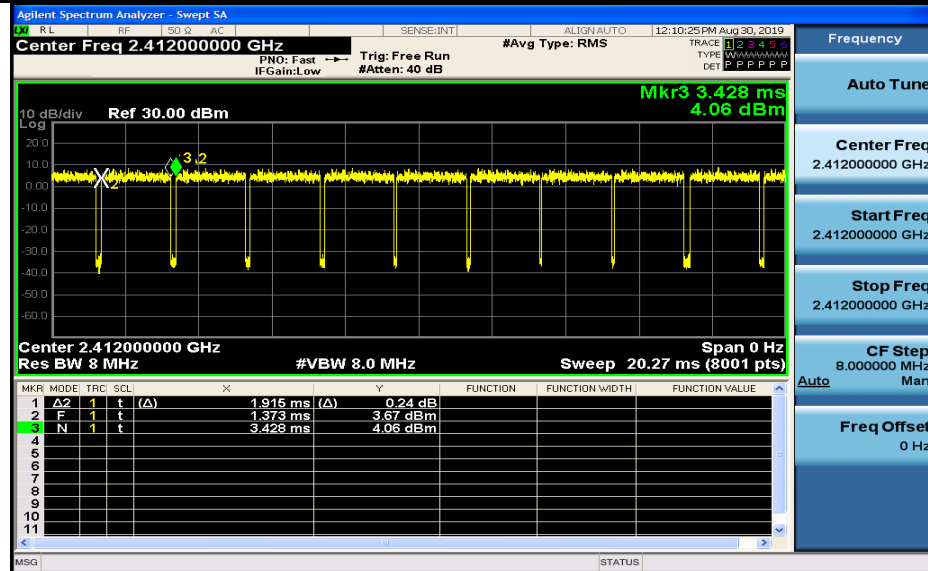
Duty Cycle\_11G\_2437\_Ant1



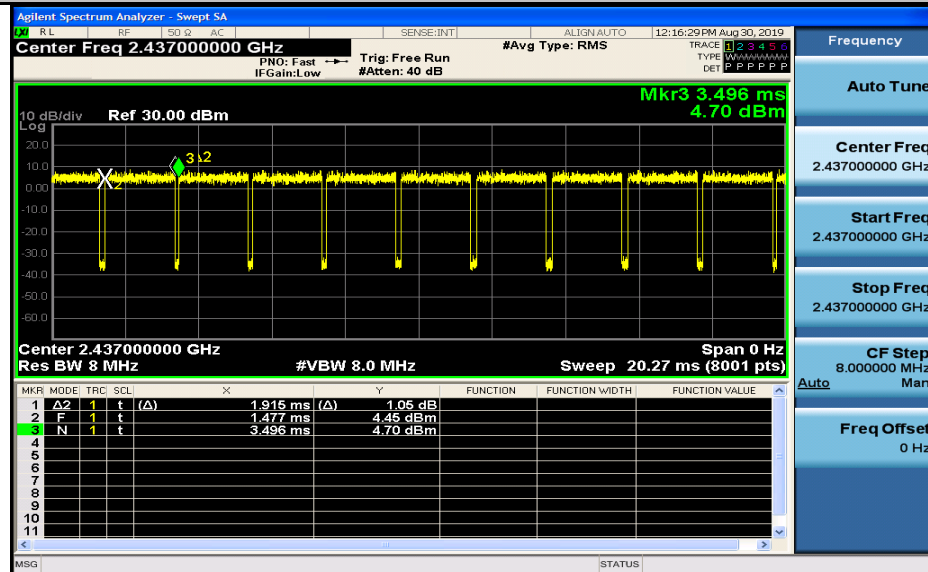
Duty Cycle\_11G\_2462\_Ant1



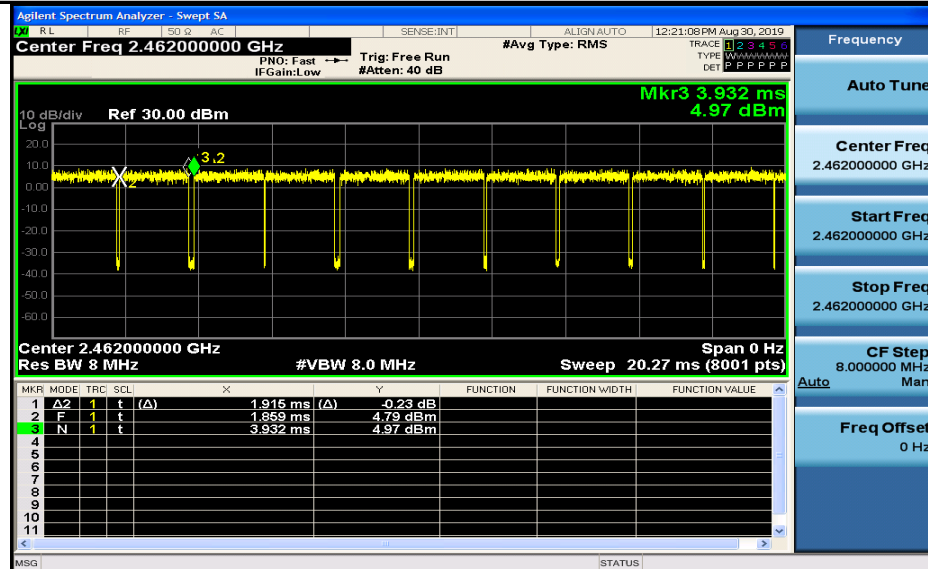
Duty Cycle\_11N20SISO\_2412\_Ant1



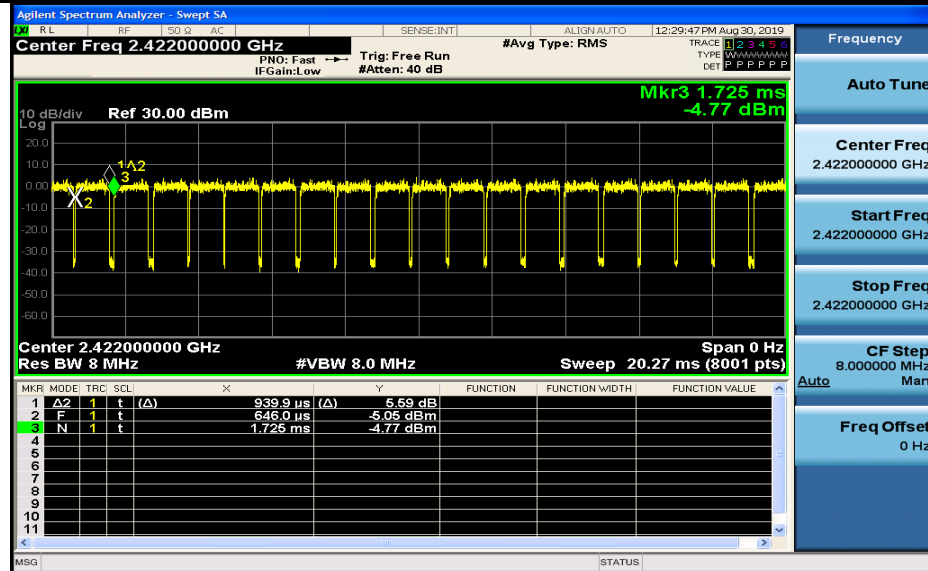
Duty Cycle\_11N20SISO\_2437\_Ant1



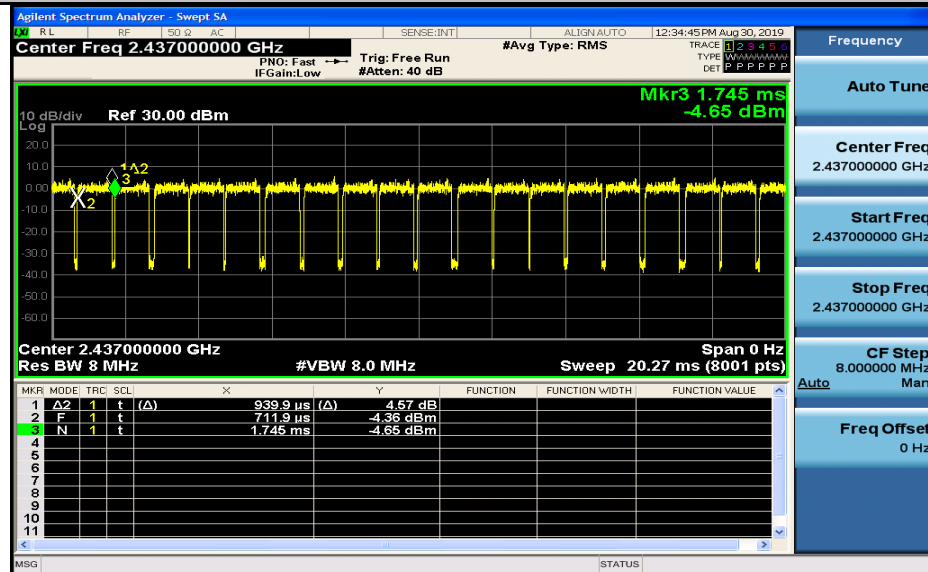
Duty Cycle\_11N20SISO\_2462\_Ant1



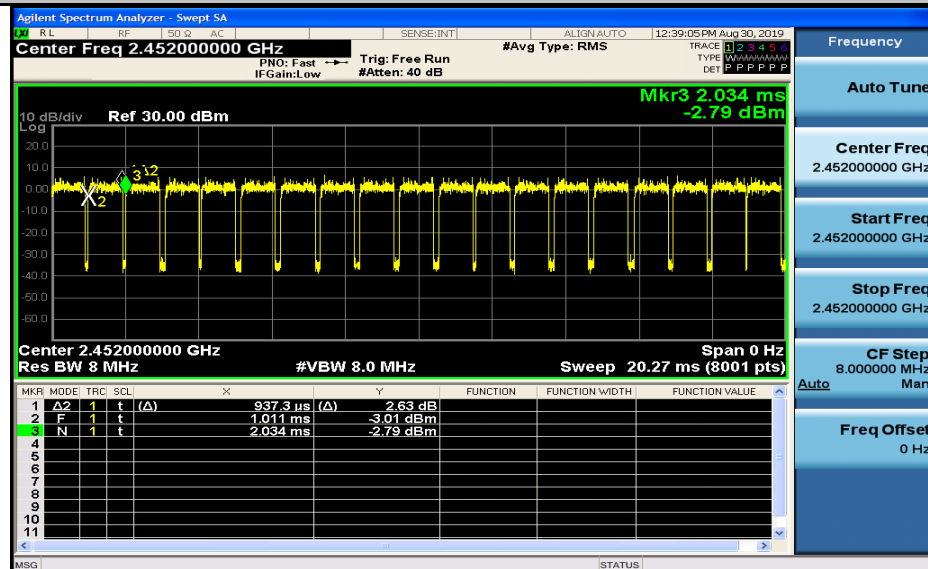
Duty Cycle\_11N40SISO\_2422\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2452\_Ant1





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