

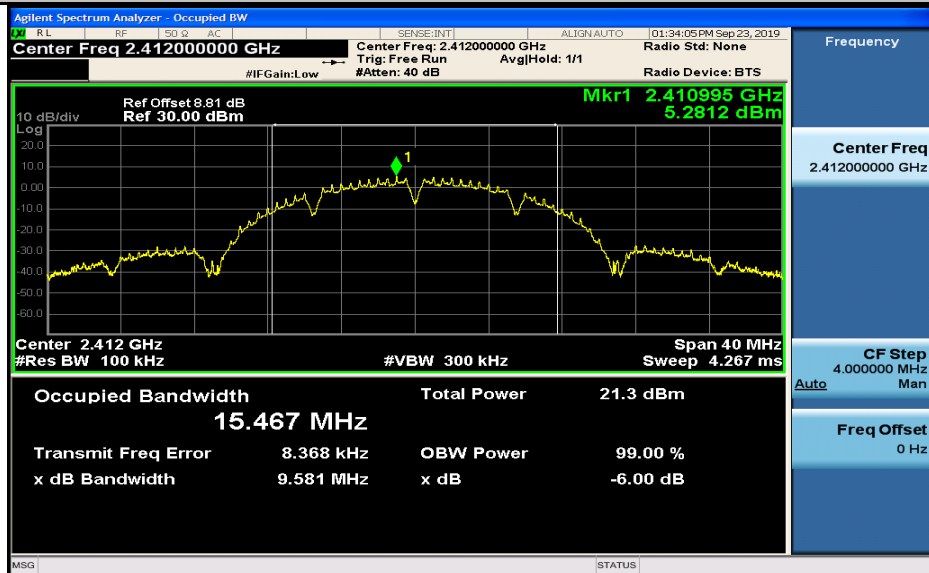


Appendix C for SHEM190901704003

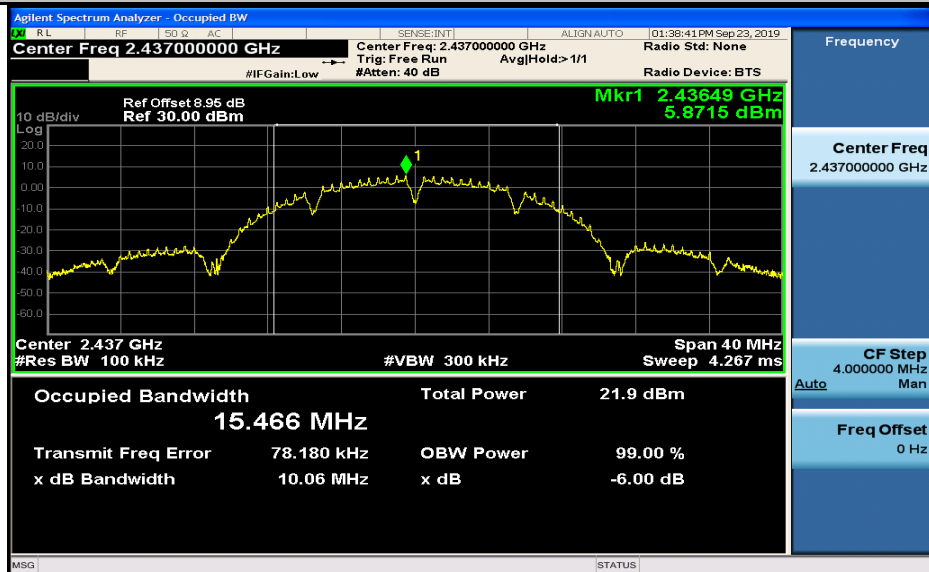
1.6dB Bandwidth

| Test Mode | Test Channel | Ant  | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|-------|---------|
| 11B       | 2412         | Ant1 | 9.58     | 0.5   | PASS    |
| 11B       | 2437         | Ant1 | 10.06    | 0.5   | PASS    |
| 11B       | 2462         | Ant1 | 10.06    | 0.5   | PASS    |
| 11G       | 2412         | Ant1 | 16.35    | 0.5   | PASS    |
| 11G       | 2437         | Ant1 | 16.39    | 0.5   | PASS    |
| 11G       | 2462         | Ant1 | 16.36    | 0.5   | PASS    |
| 11N20SISO | 2412         | Ant1 | 17.57    | 0.5   | PASS    |
| 11N20SISO | 2437         | Ant1 | 17.56    | 0.5   | PASS    |
| 11N20SISO | 2462         | Ant1 | 17.60    | 0.5   | PASS    |
| 11N40SISO | 2422         | Ant1 | 35.45    | 0.5   | PASS    |
| 11N40SISO | 2437         | Ant1 | 35.31    | 0.5   | PASS    |
| 11N40SISO | 2452         | Ant1 | 35.64    | 0.5   | PASS    |

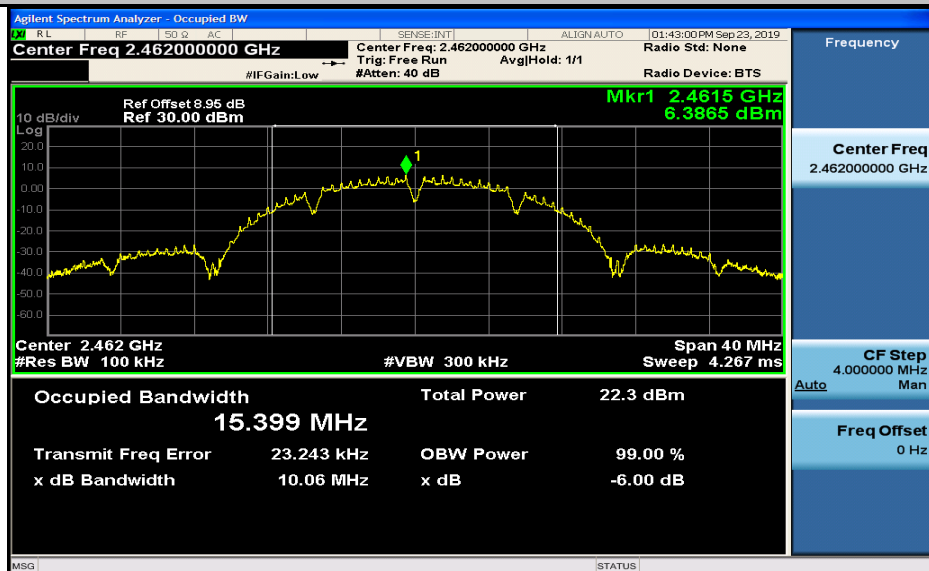
### 6dB Bandwidth\_11B\_2412\_Ant1



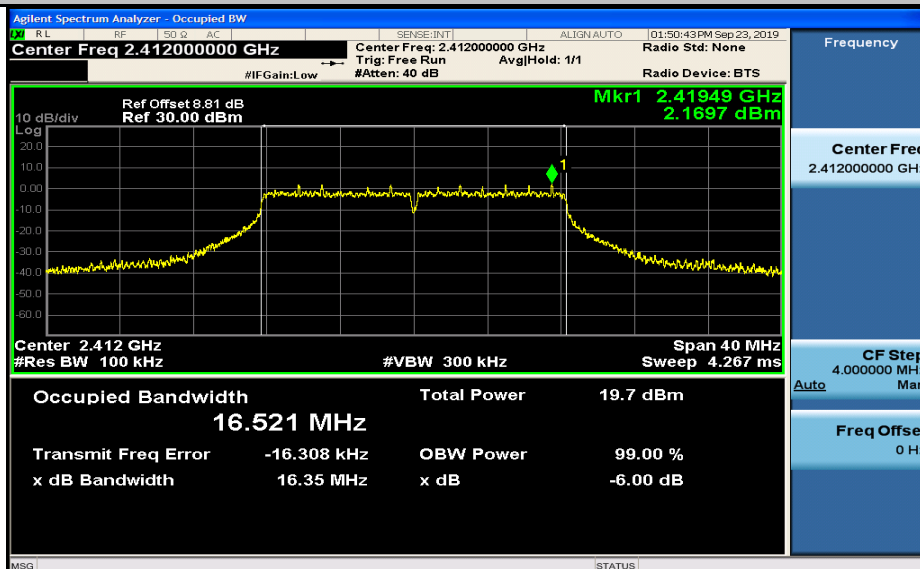
### 6dB Bandwidth\_11B\_2437\_Ant1



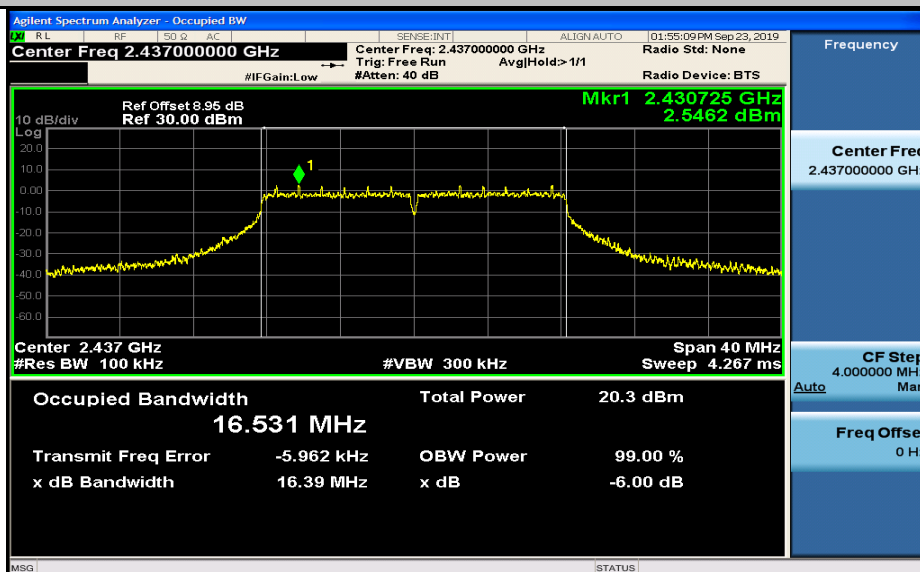
### 6dB Bandwidth\_11B\_2462\_Ant1



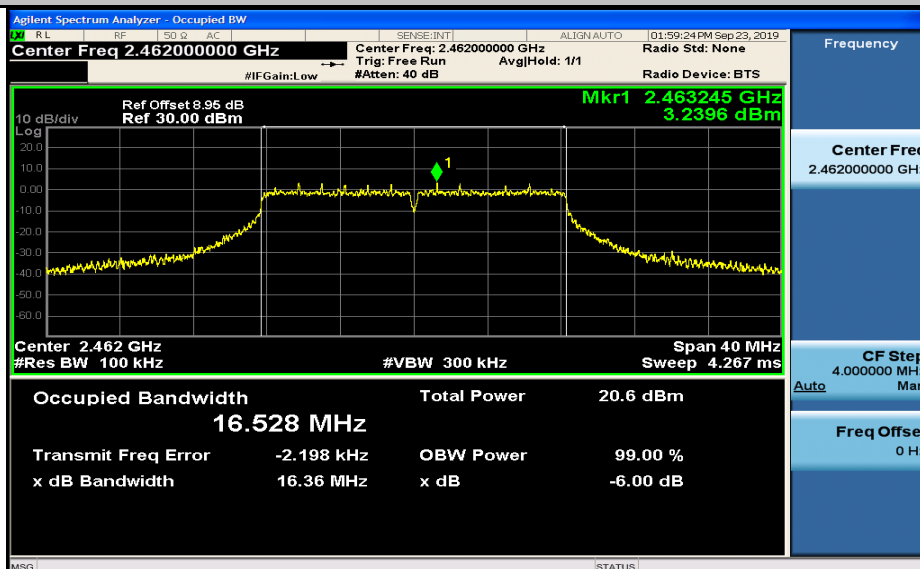
### 6dB Bandwidth\_11G\_2412\_Ant1



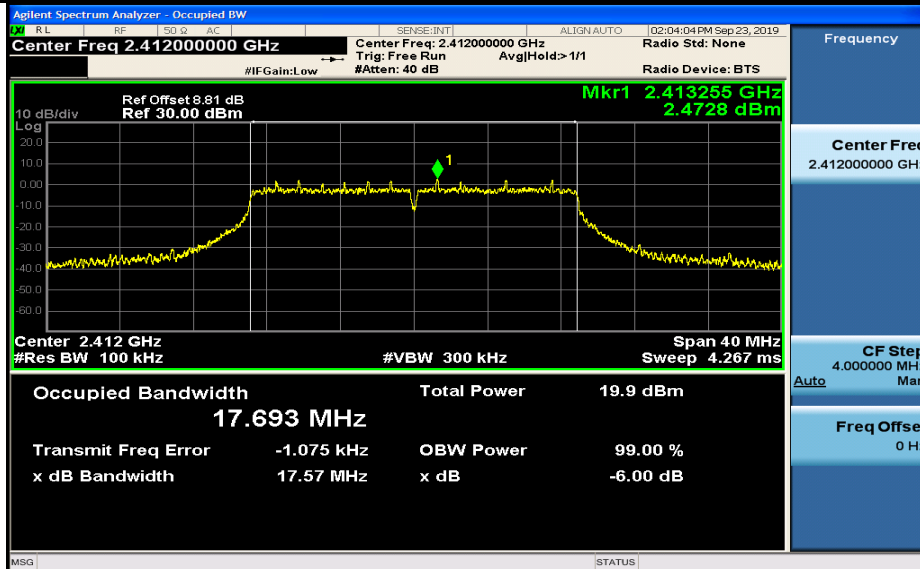
### 6dB Bandwidth\_11G\_2437\_Ant1



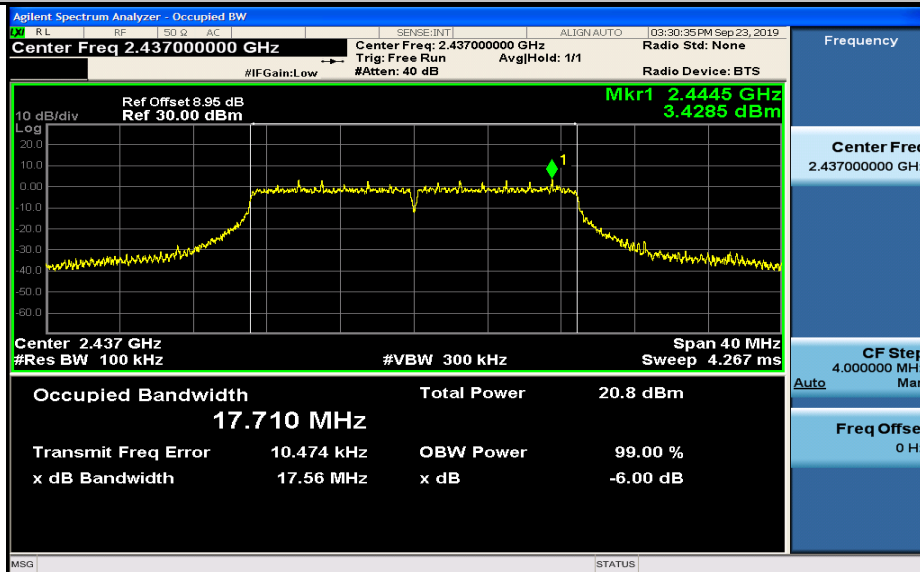
### 6dB Bandwidth\_11G\_2462\_Ant1



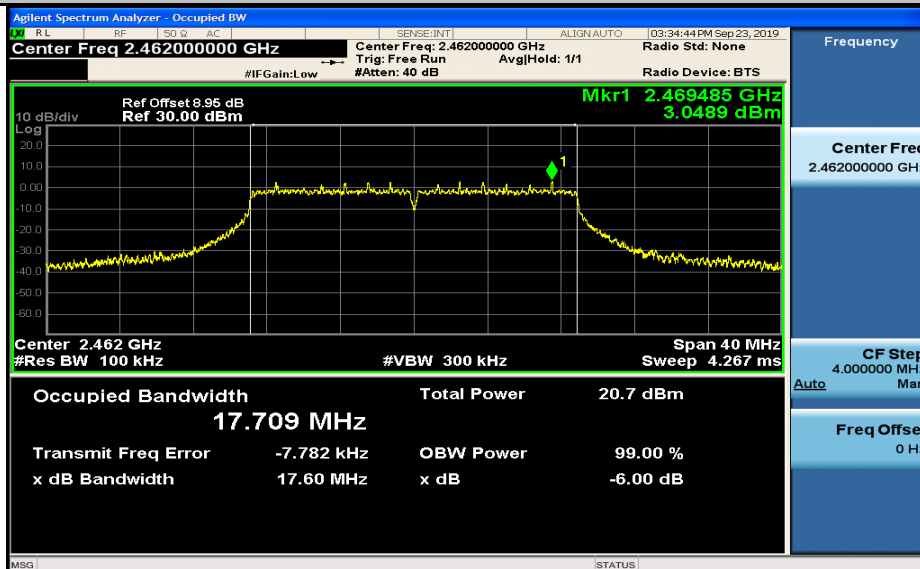
### 6dB Bandwidth\_11N20SISO\_2412\_Ant1



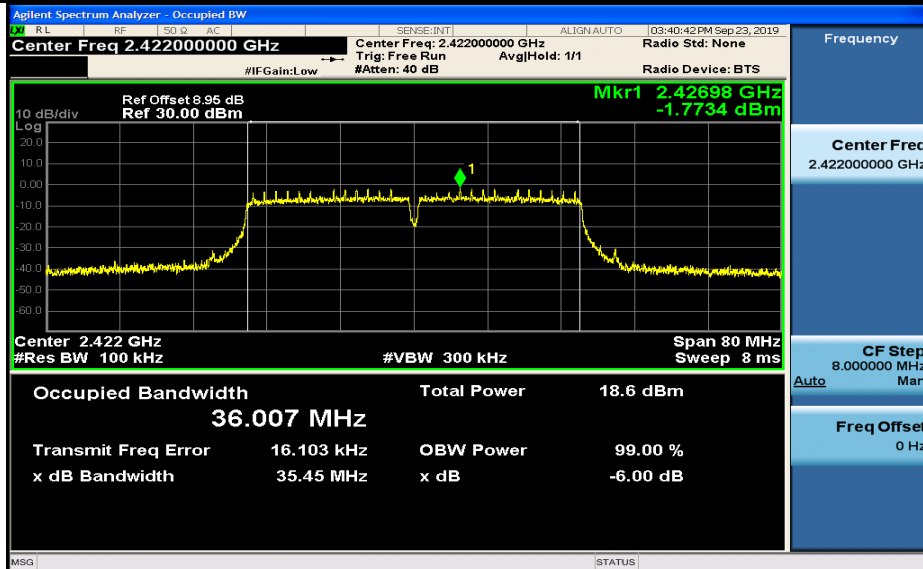
### 6dB Bandwidth\_11N20SISO\_2437\_Ant1



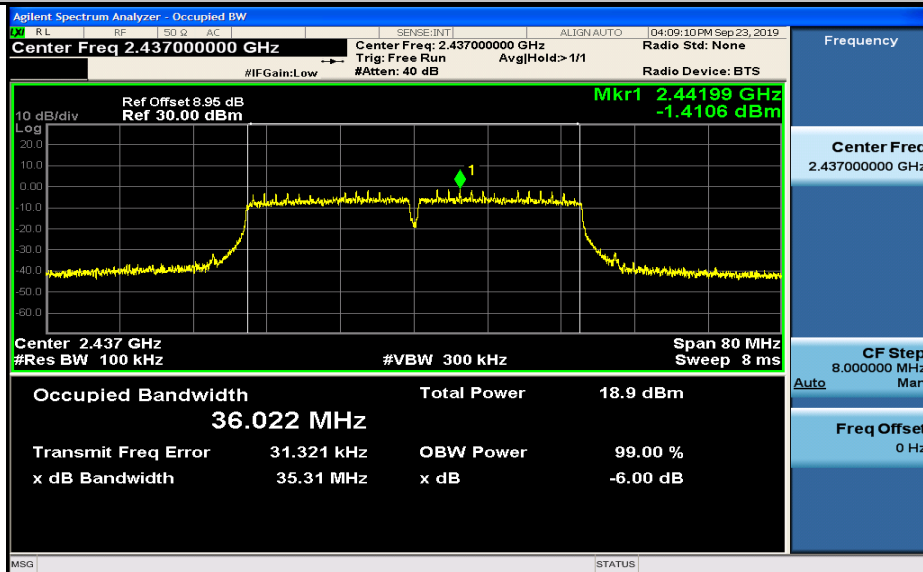
### 6dB Bandwidth\_11N20SISO\_2462\_Ant1



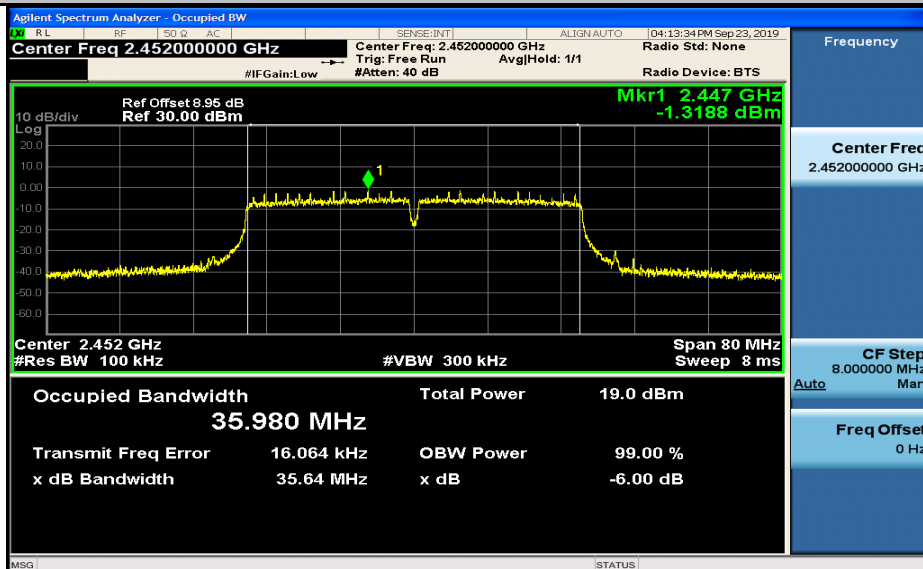
6dB Bandwidth\_11N40SISO\_2422\_Ant1



6dB Bandwidth\_11N40SISO\_2437\_Ant1



6dB Bandwidth\_11N40SISO\_2452\_Ant1

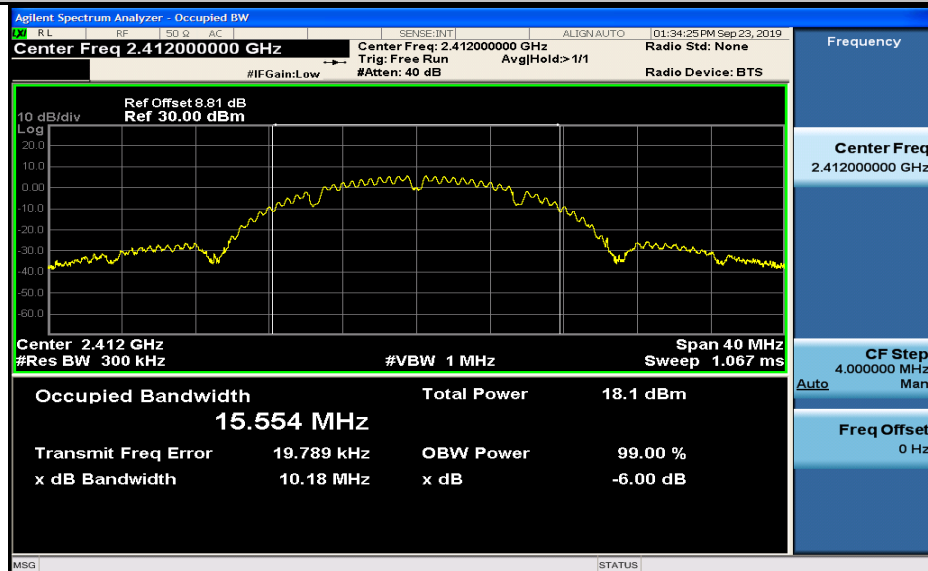




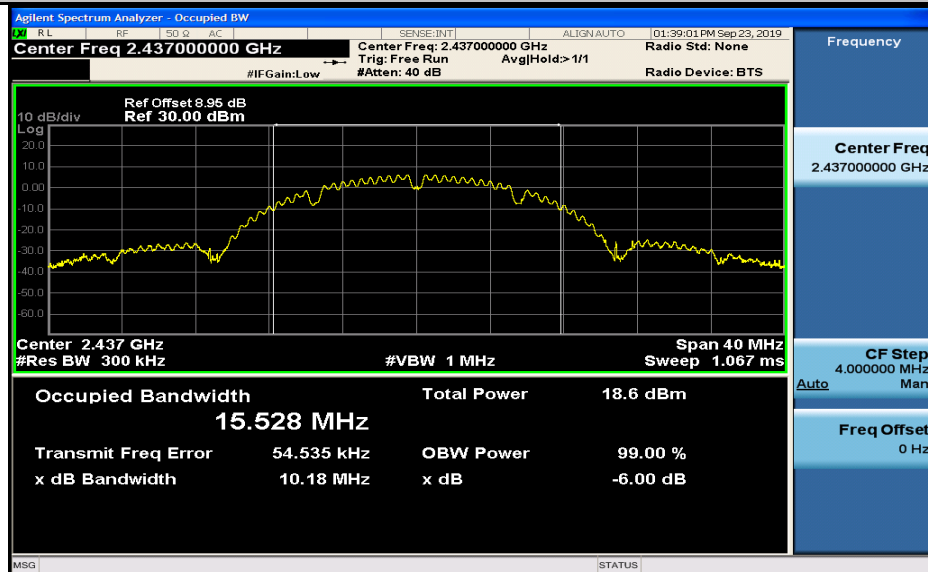
## 2.Occupied Bandwidth

| Test Mode | Test Channel | Ant  | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|------|----------|------------|---------|
| 11B       | 2412         | Ant1 | 15.55    | ---        | PASS    |
| 11B       | 2437         | Ant1 | 15.53    | ---        | PASS    |
| 11B       | 2462         | Ant1 | 15.51    | ---        | PASS    |
| 11G       | 2412         | Ant1 | 16.96    | ---        | PASS    |
| 11G       | 2437         | Ant1 | 17.13    | ---        | PASS    |
| 11G       | 2462         | Ant1 | 16.99    | ---        | PASS    |
| 11N20SISO | 2412         | Ant1 | 18.01    | ---        | PASS    |
| 11N20SISO | 2437         | Ant1 | 18.12    | ---        | PASS    |
| 11N20SISO | 2462         | Ant1 | 18.10    | ---        | PASS    |
| 11N40SISO | 2422         | Ant1 | 36.57    | ---        | PASS    |
| 11N40SISO | 2437         | Ant1 | 36.48    | ---        | PASS    |
| 11N40SISO | 2452         | Ant1 | 36.46    | ---        | PASS    |

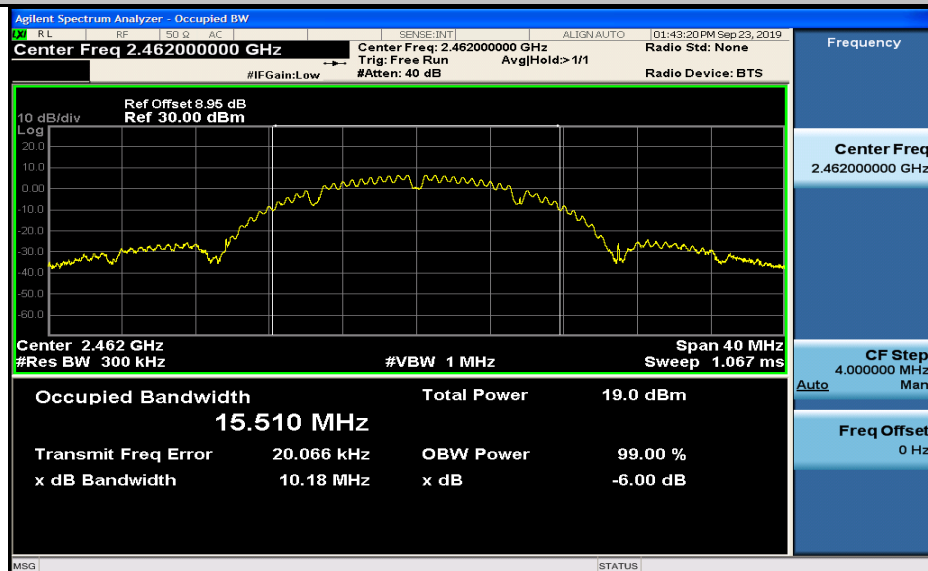
### Occupied Bandwidth\_11B\_2412



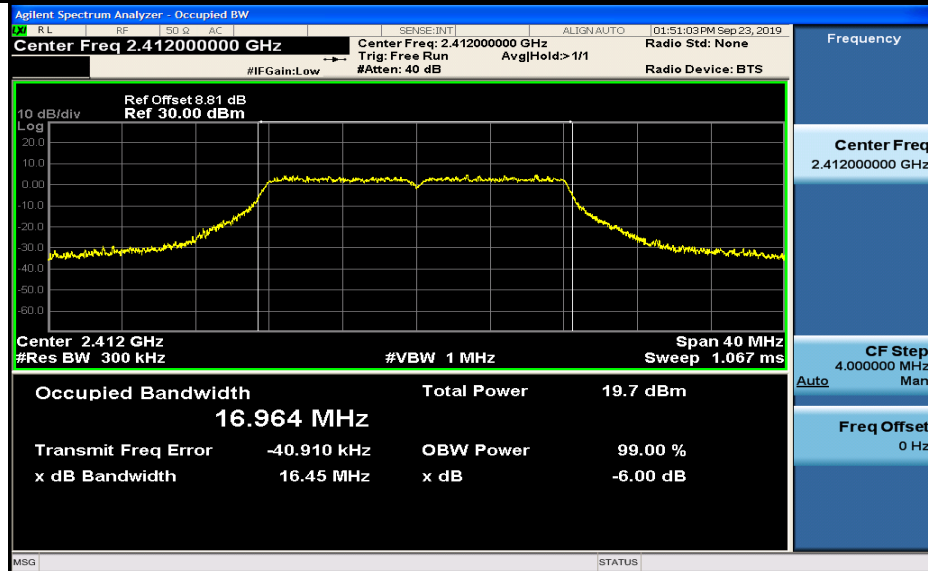
### Occupied Bandwidth\_11B\_2437



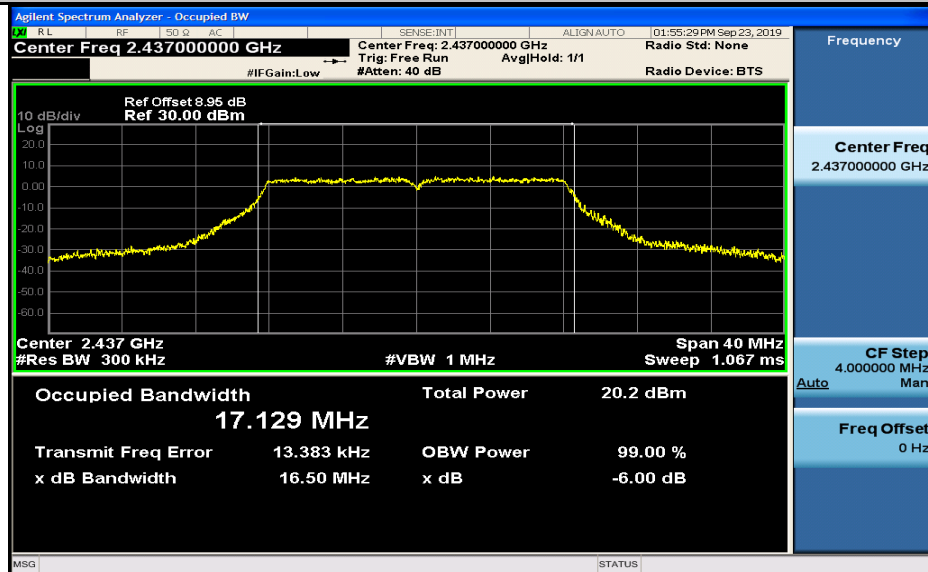
### Occupied Bandwidth\_11B\_2462



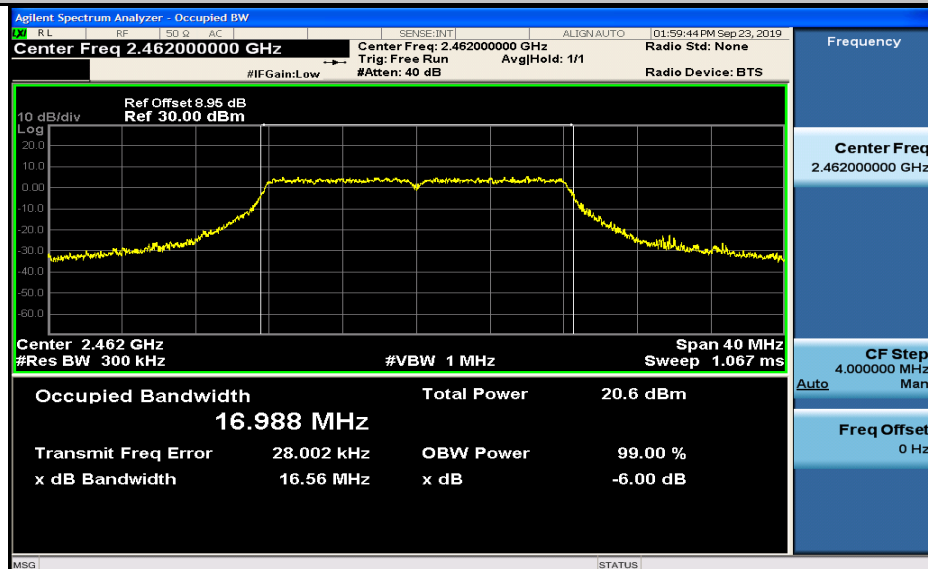
### Occupied Bandwidth\_11G\_2412



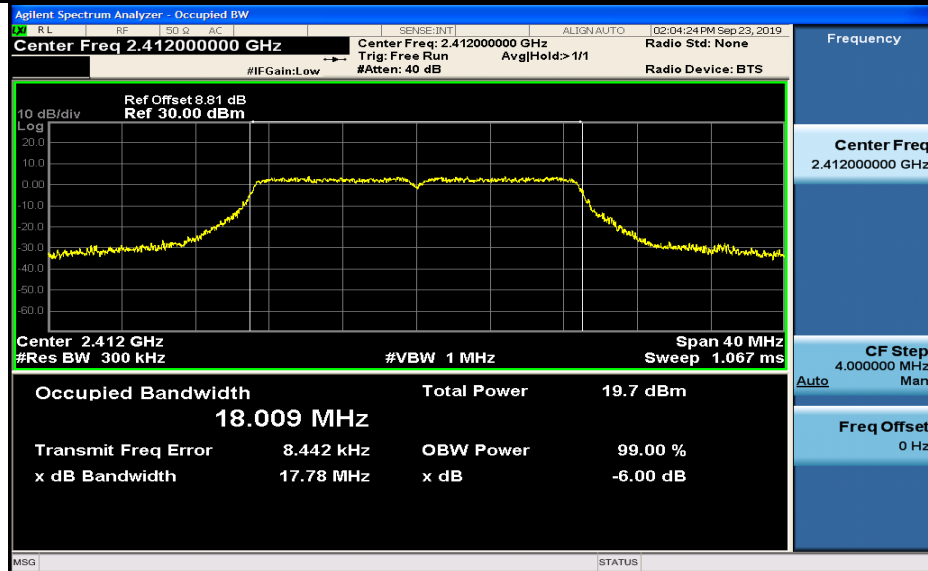
### Occupied Bandwidth\_11G\_2437



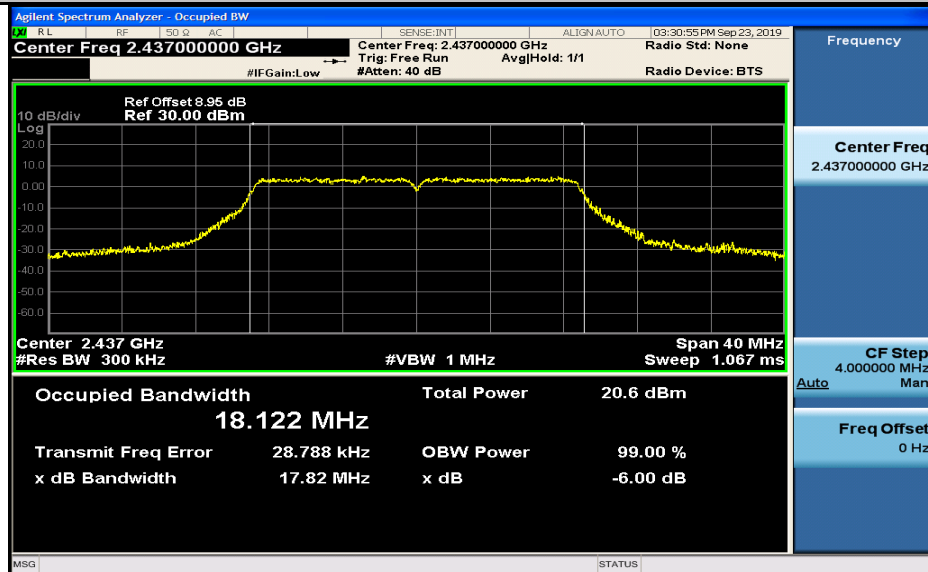
### Occupied Bandwidth\_11G\_2462



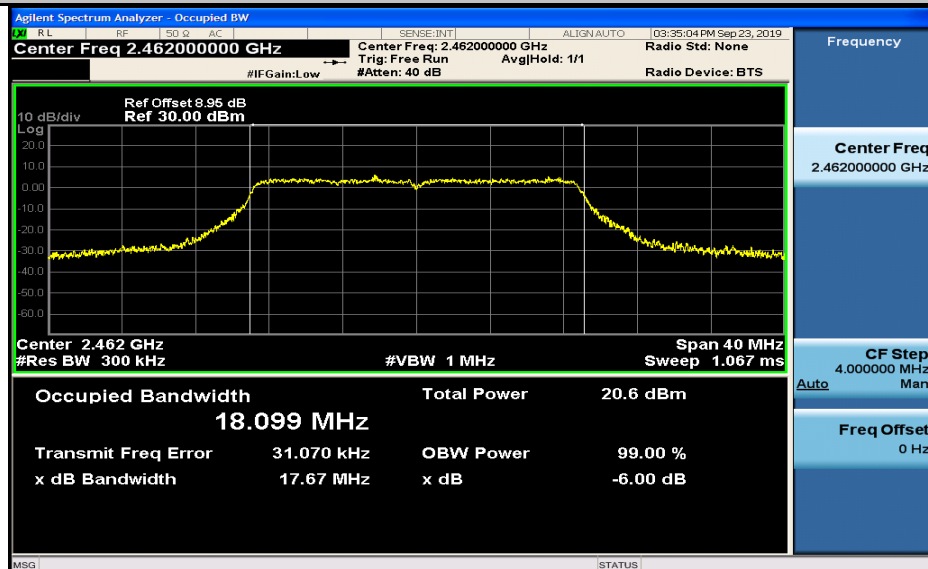
### Occupied Bandwidth\_11N20SISO\_2412



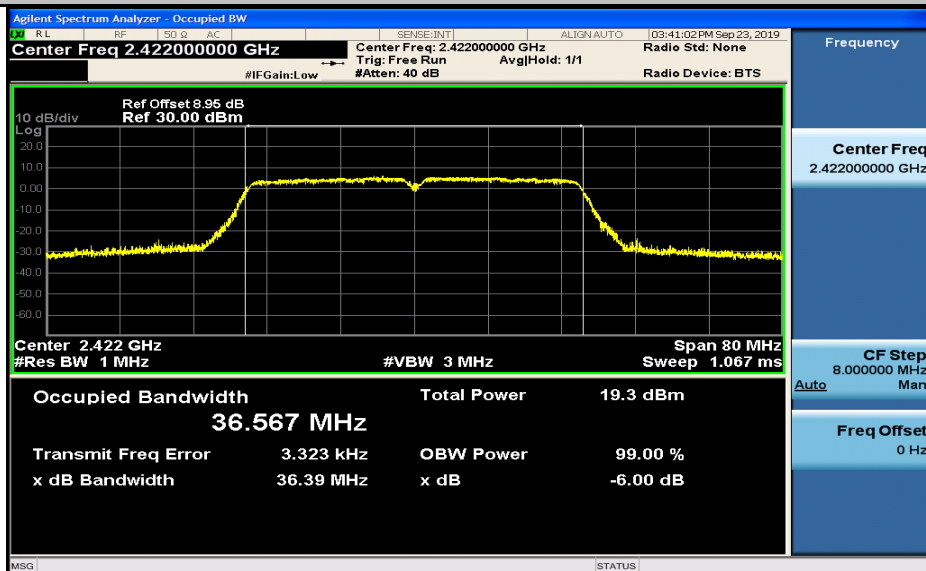
### Occupied Bandwidth\_11N20SISO\_2437



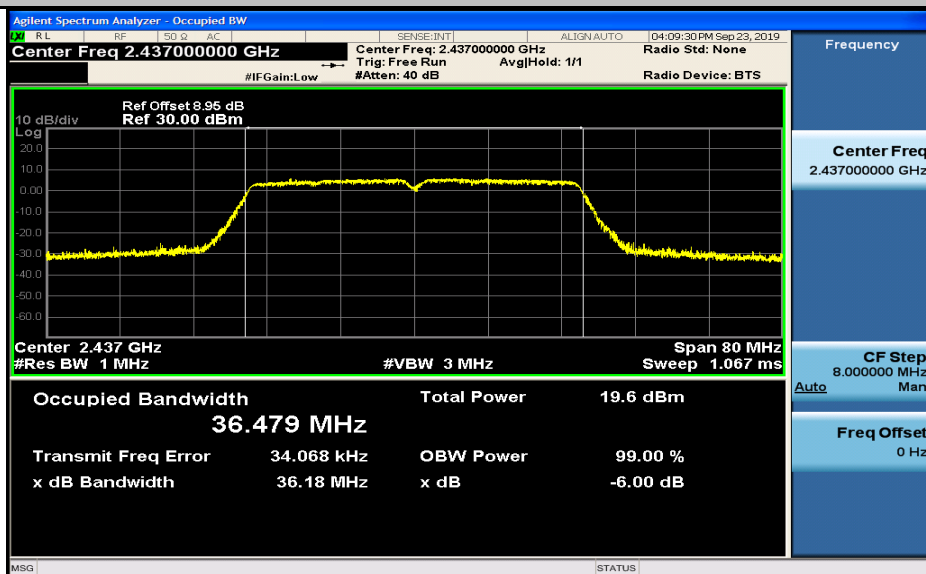
### Occupied Bandwidth\_11N20SISO\_2462



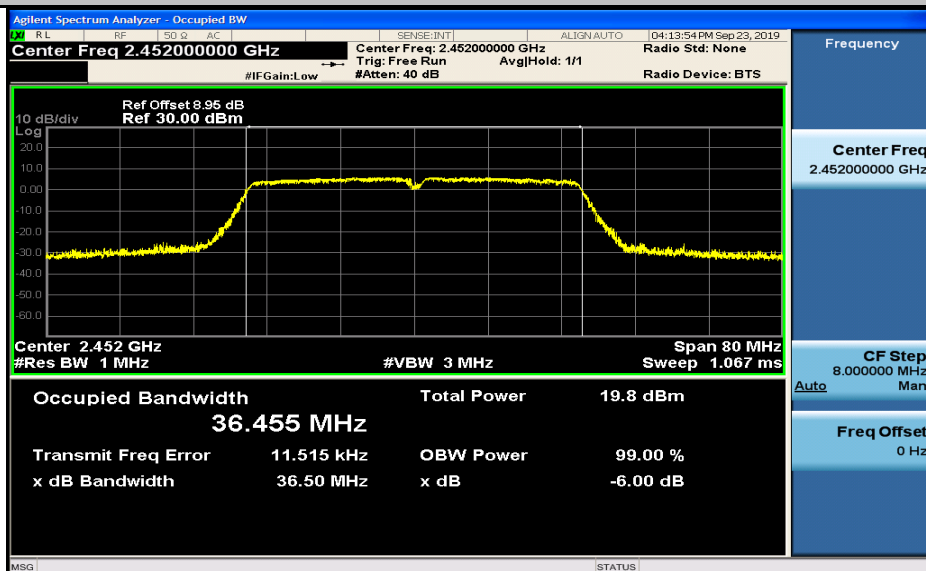
### Occupied Bandwidth\_11N40SISO\_2422



### Occupied Bandwidth\_11N40SISO\_2437



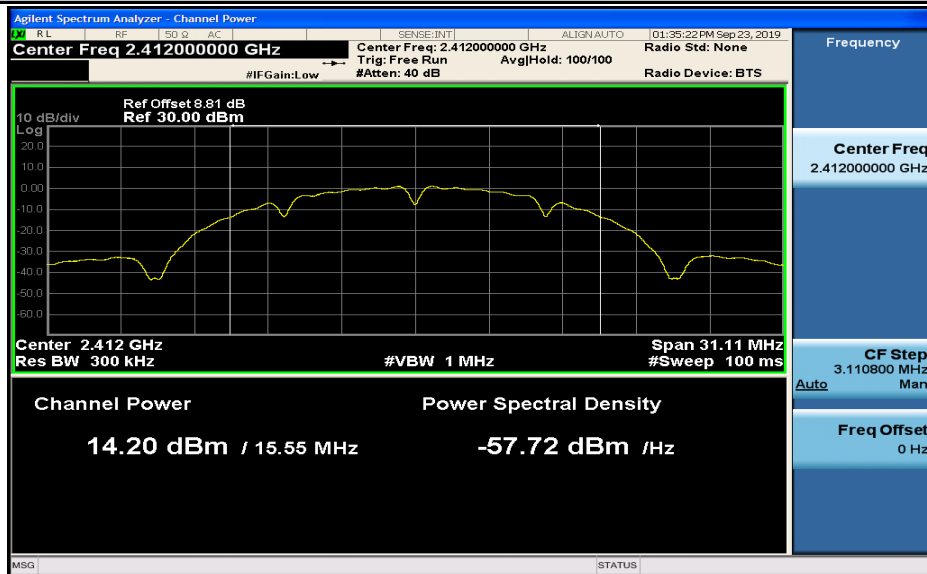
### Occupied Bandwidth\_11N40SISO\_2452



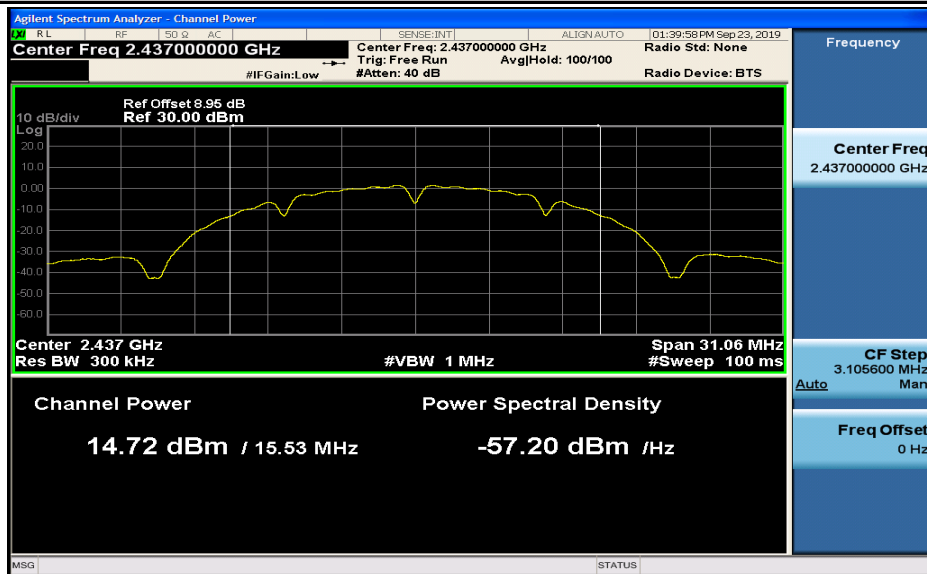
### 3.Maximum conducted (average) output power

| Test Mode | Test Channel | Ant  | Level [dBm] | 10log(1/x) Factor[dB] | Power [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|-------------|-----------------------|-------------|-------------|---------|
| 11B       | 2412         | Ant1 | 14.2        | 0.04                  | 14.23       | 30          | PASS    |
| 11B       | 2437         | Ant1 | 14.72       | 0.04                  | 14.76       | 30          | PASS    |
| 11B       | 2462         | Ant1 | 15.09       | 0.06                  | 15.15       | 30          | PASS    |
| 11G       | 2412         | Ant1 | 13.02       | 0.19                  | 13.21       | 30          | PASS    |
| 11G       | 2437         | Ant1 | 13.54       | 0.13                  | 13.67       | 30          | PASS    |
| 11G       | 2462         | Ant1 | 13.88       | 0.12                  | 14.00       | 30          | PASS    |
| 11N20SISO | 2412         | Ant1 | 13.03       | 0.30                  | 13.33       | 30          | PASS    |
| 11N20SISO | 2437         | Ant1 | 13.74       | 0.31                  | 14.05       | 30          | PASS    |
| 11N20SISO | 2462         | Ant1 | 13.89       | 0.38                  | 14.27       | 30          | PASS    |
| 11N40SISO | 2422         | Ant1 | 11.58       | 0.34                  | 11.92       | 30          | PASS    |
| 11N40SISO | 2437         | Ant1 | 11.77       | 0.22                  | 11.99       | 30          | PASS    |
| 11N40SISO | 2452         | Ant1 | 11.98       | 0.46                  | 12.44       | 30          | PASS    |

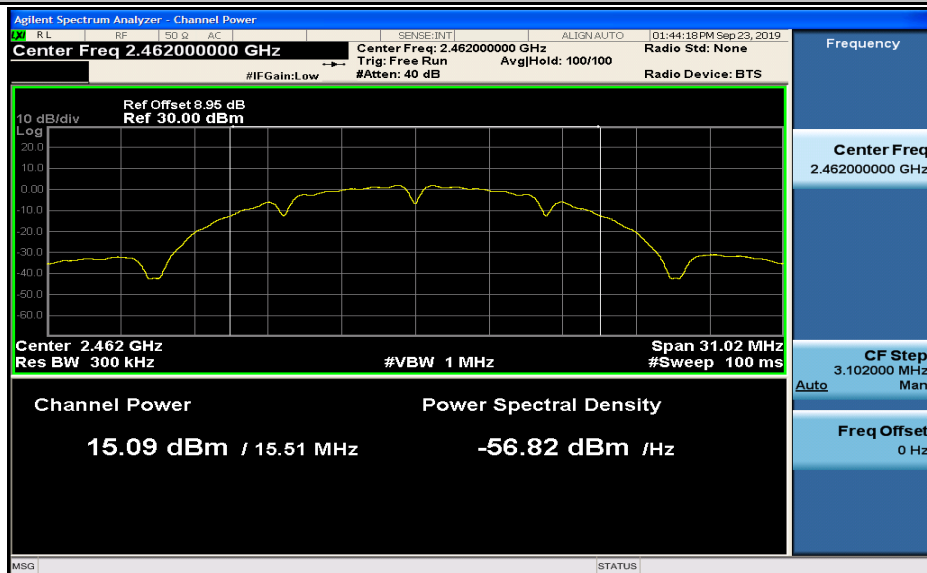
Maximum conducted (average) output power\_11B\_2412\_Ant1



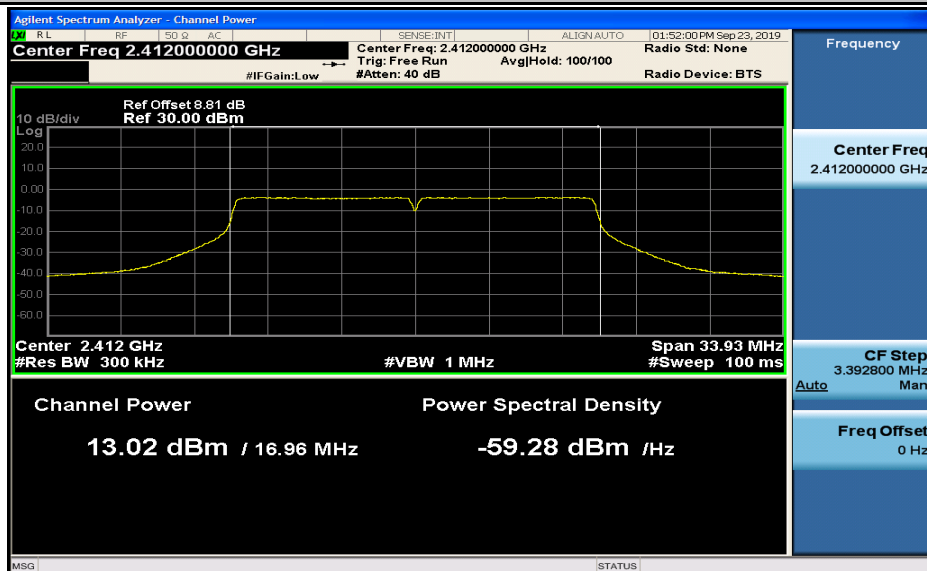
Maximum conducted (average) output power\_11B\_2437\_Ant1



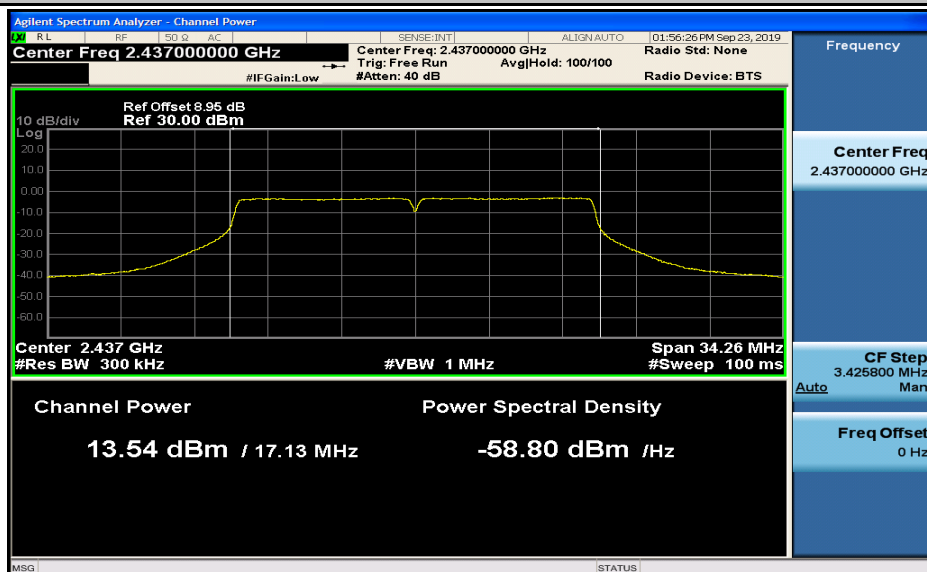
Maximum conducted (average) output power\_11B\_2462\_Ant1



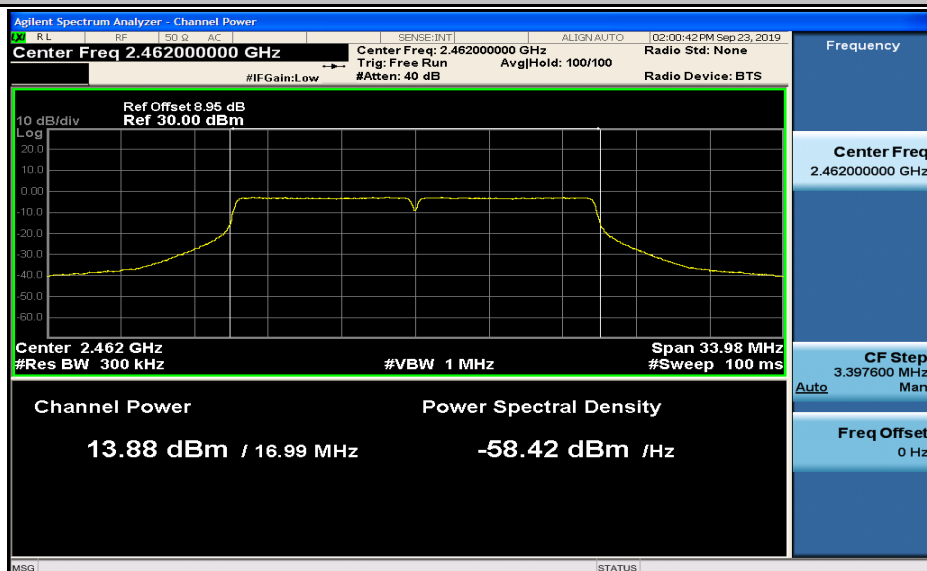
Maximum conducted (average) output power\_11G\_2412\_Ant1



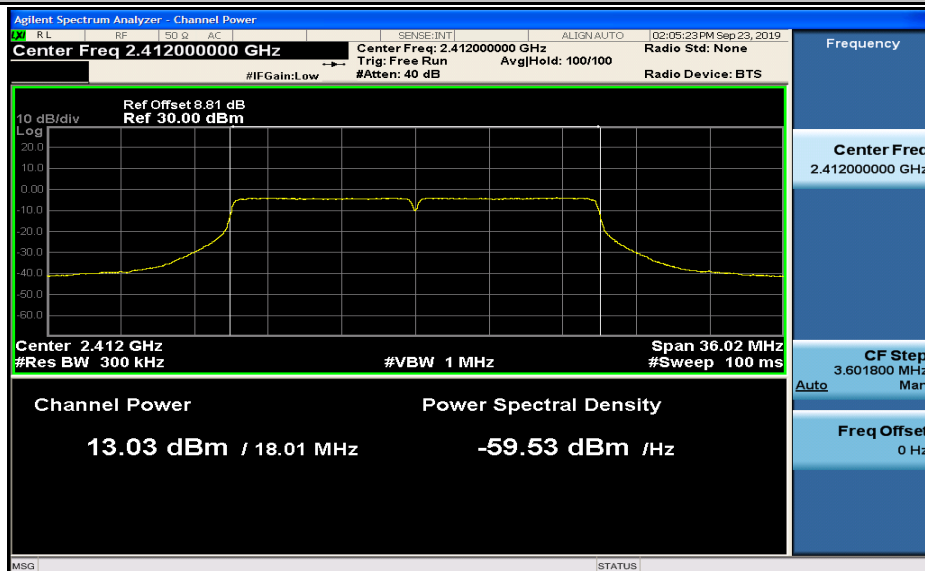
Maximum conducted (average) output power\_11G\_2437\_Ant1



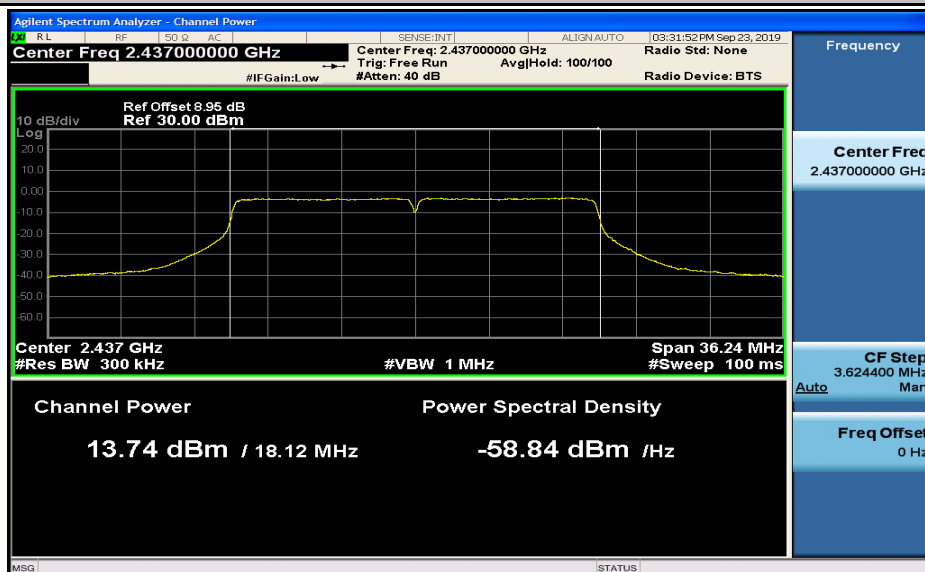
Maximum conducted (average) output power\_11G\_2462\_Ant1



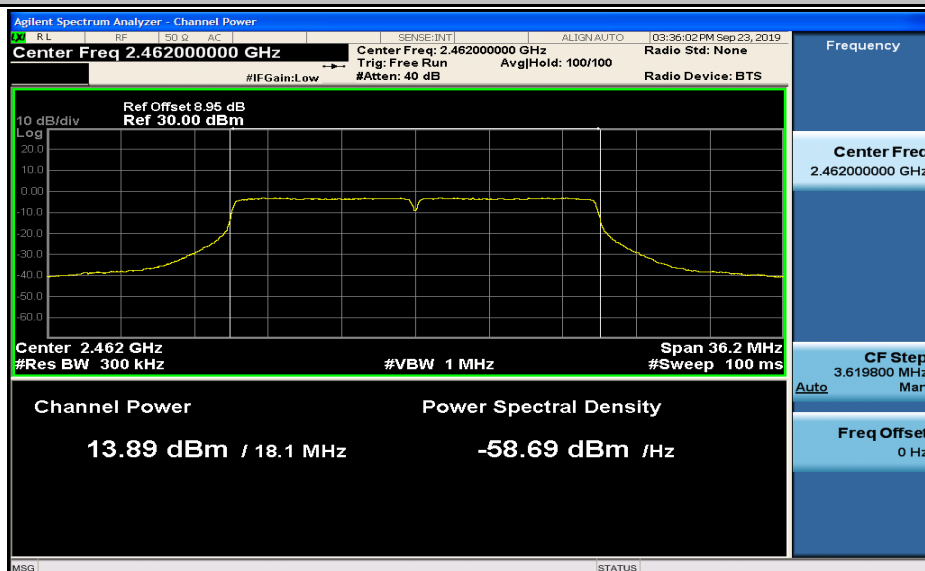
Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



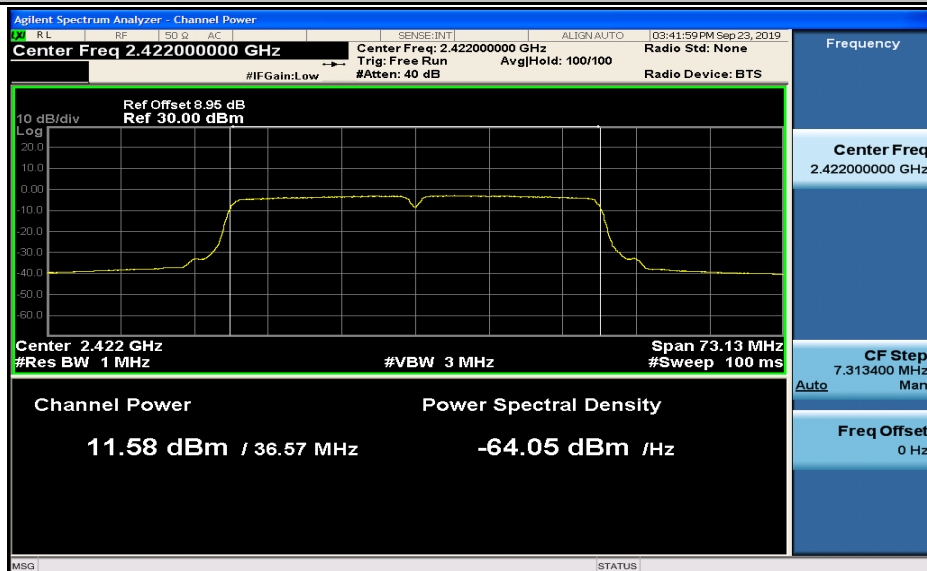
Maximum conducted (average) output power\_11N20SISO\_2437\_Ant1



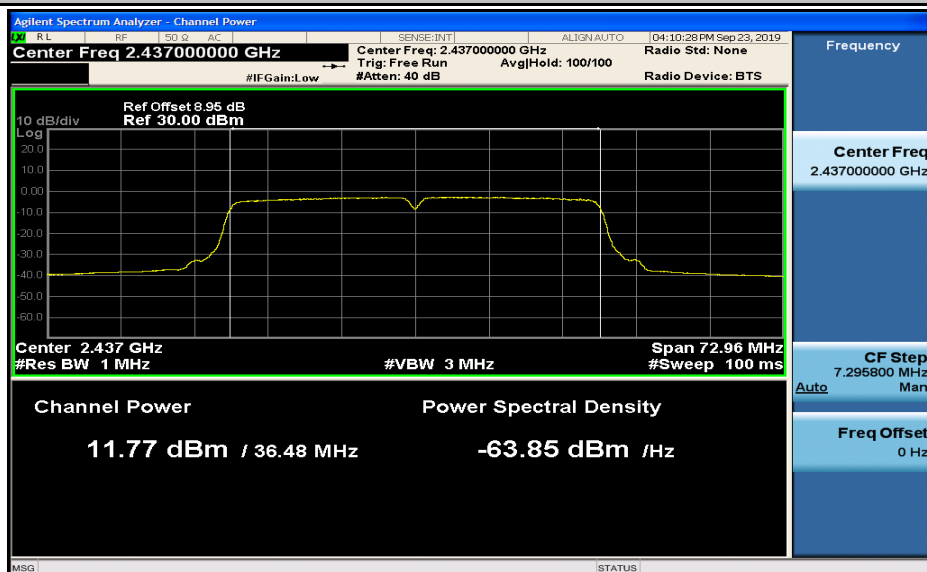
Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1



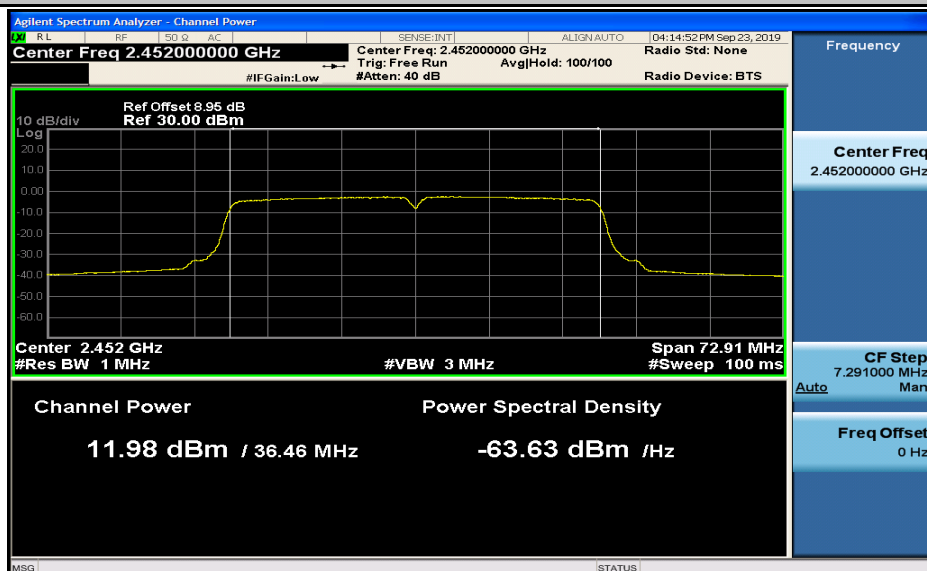
Maximum conducted (average) output power\_11N40SISO\_2422\_Ant1



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



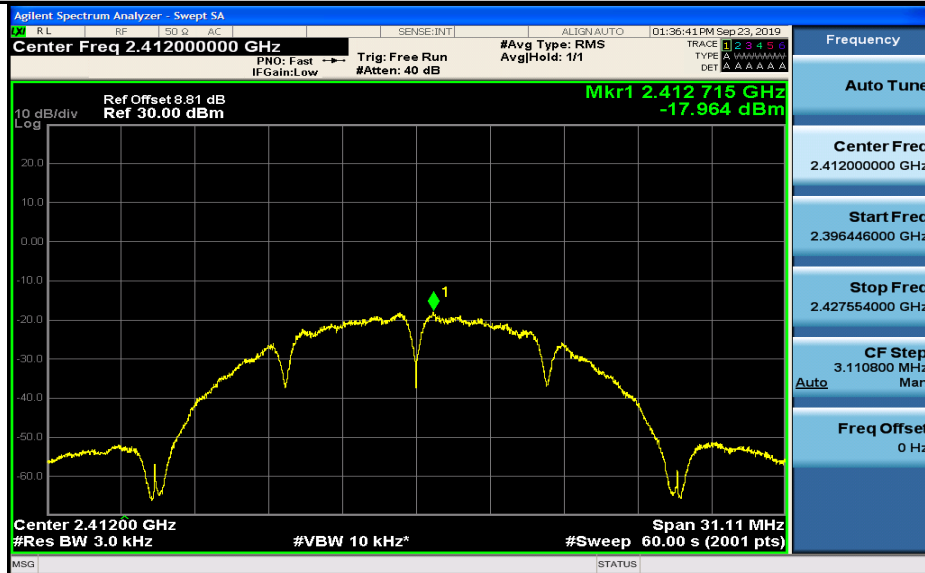
Maximum conducted (average) output power\_11N40SISO\_2452\_Ant1



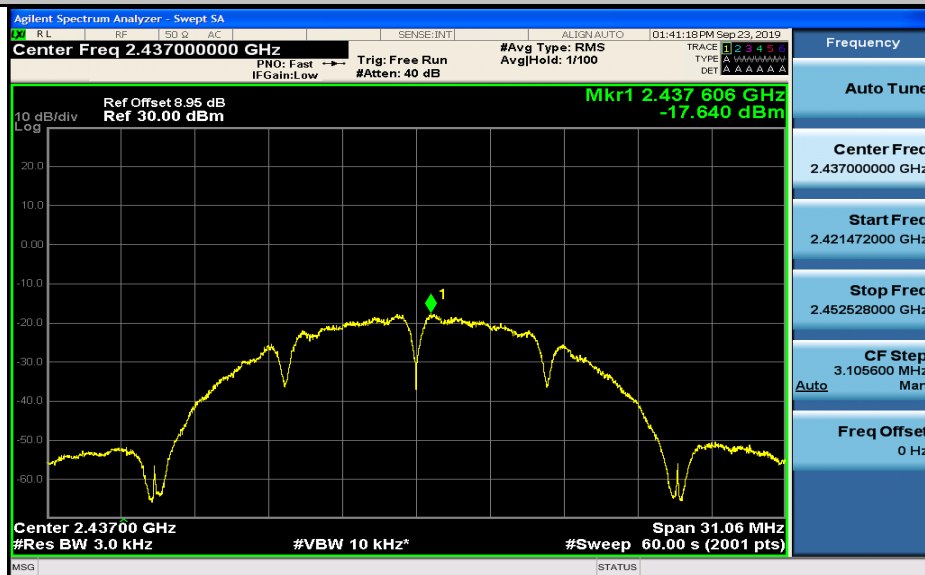
#### 4.Maximum(average) power spectral density

| Test Mode | Test Channel | Ant  | Level [dBm/3kHz] | 10log(1/x) Factor[dB] | PSD[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|--------------|------|------------------|-----------------------|---------------|-----------------|---------|
| 11B       | 2412         | Ant1 | -17.96           | 0.04                  | -17.92        | 8.00            | PASS    |
| 11B       | 2437         | Ant1 | -17.64           | 0.04                  | -17.60        | 8.00            | PASS    |
| 11B       | 2462         | Ant1 | -17.25           | 0.06                  | -17.19        | 8.00            | PASS    |
| 11G       | 2412         | Ant1 | -20.43           | 0.19                  | -20.24        | 8.00            | PASS    |
| 11G       | 2437         | Ant1 | -20.03           | 0.13                  | -19.90        | 8.00            | PASS    |
| 11G       | 2462         | Ant1 | -19.77           | 0.12                  | -19.65        | 8.00            | PASS    |
| 11N20SISO | 2412         | Ant1 | -20.93           | 0.30                  | -20.63        | 8.00            | PASS    |
| 11N20SISO | 2437         | Ant1 | -20.64           | 0.31                  | -20.33        | 8.00            | PASS    |
| 11N20SISO | 2462         | Ant1 | -20.69           | 0.38                  | -20.31        | 8.00            | PASS    |
| 11N40SISO | 2422         | Ant1 | -25.59           | 0.34                  | -25.25        | 8.00            | PASS    |
| 11N40SISO | 2437         | Ant1 | -24.78           | 0.22                  | -24.56        | 8.00            | PASS    |
| 11N40SISO | 2452         | Ant1 | -24.85           | 0.46                  | -24.39        | 8.00            | PASS    |

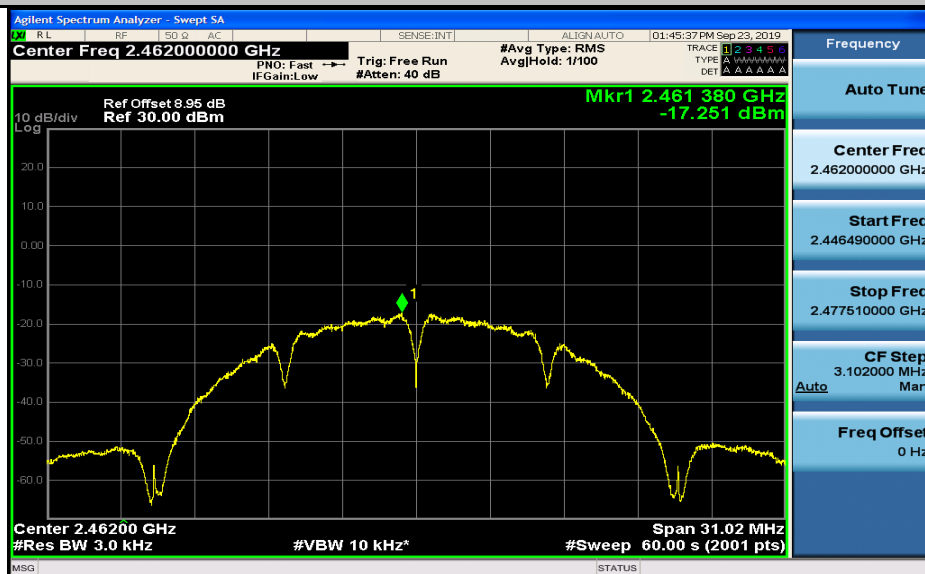
Maximum(average) power spectral density\_11B\_2412\_Ant1



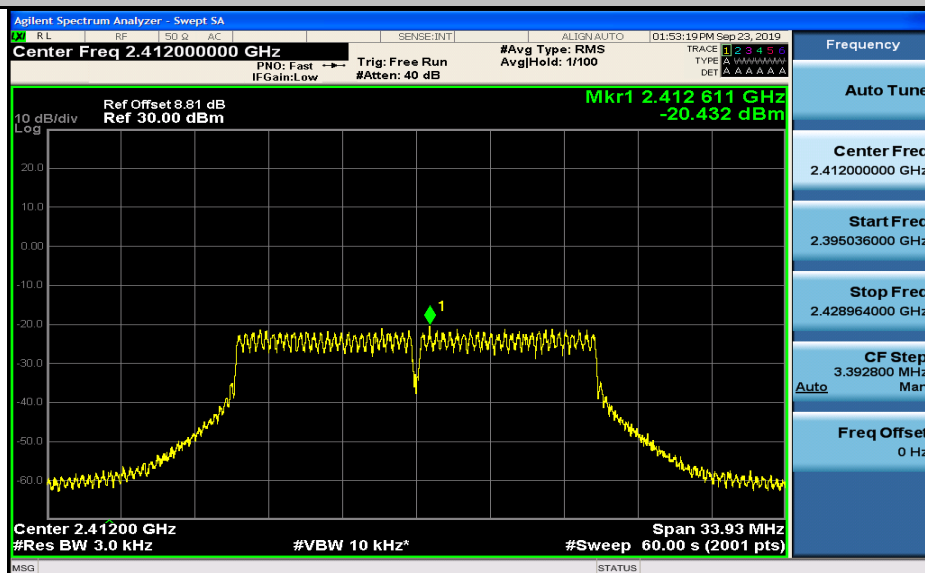
Maximum(average) power spectral density\_11B\_2437\_Ant1



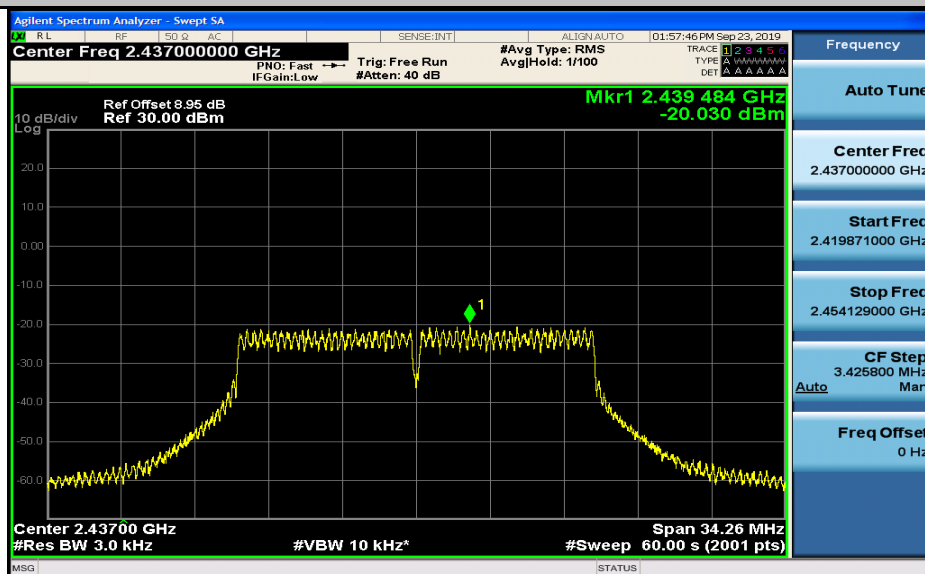
Maximum(average) power spectral density\_11B\_2462\_Ant1



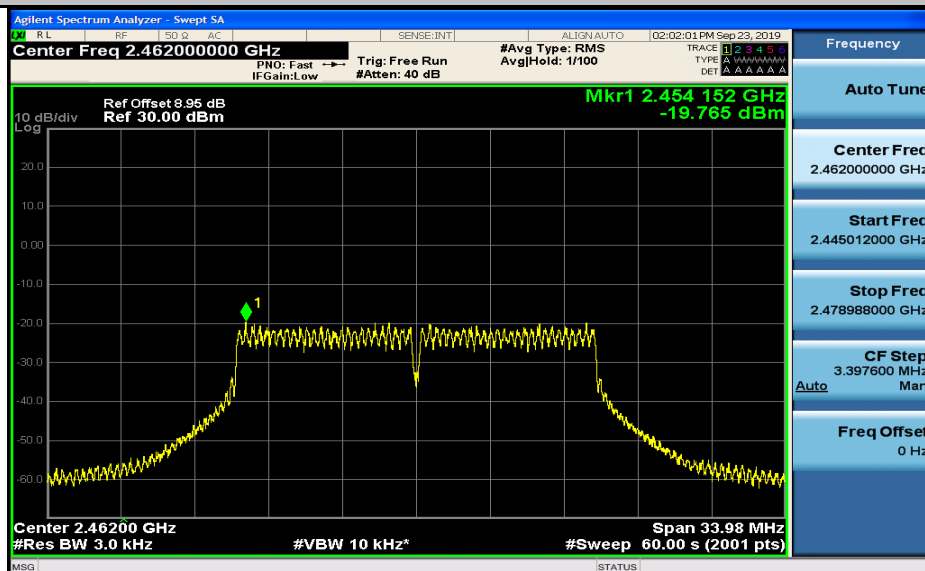
Maximum(average) power spectral density\_11G\_2412\_Ant1



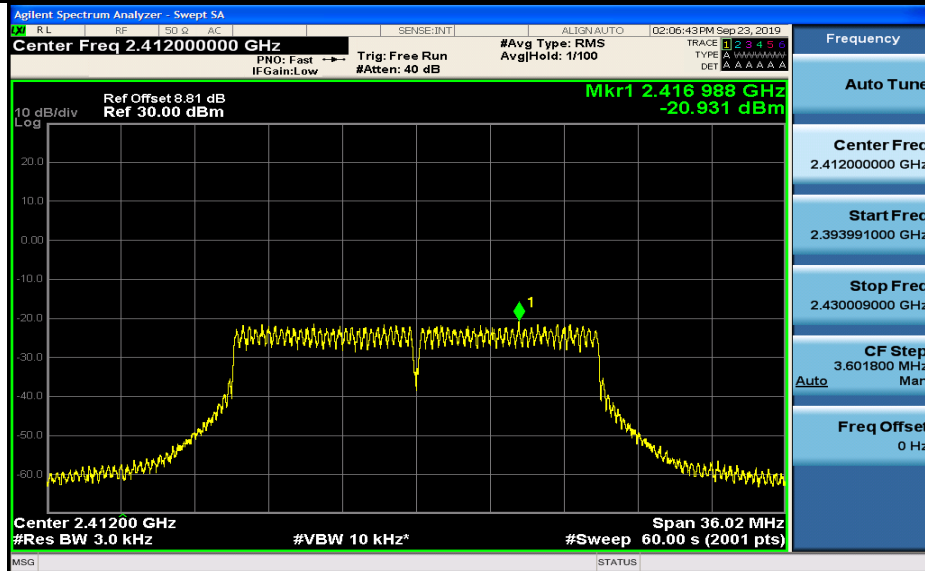
Maximum(average) power spectral density\_11G\_2437\_Ant1



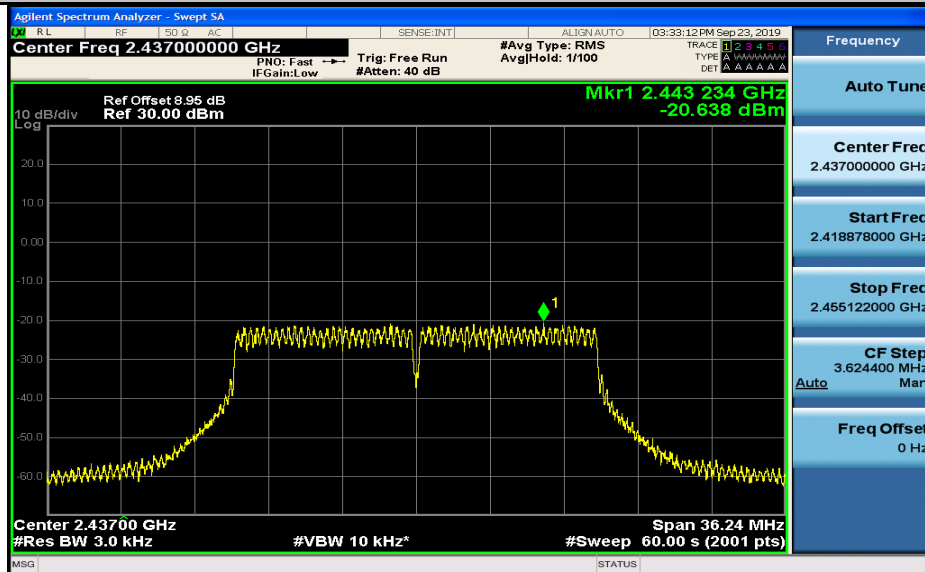
Maximum(average) power spectral density\_11G\_2462\_Ant1



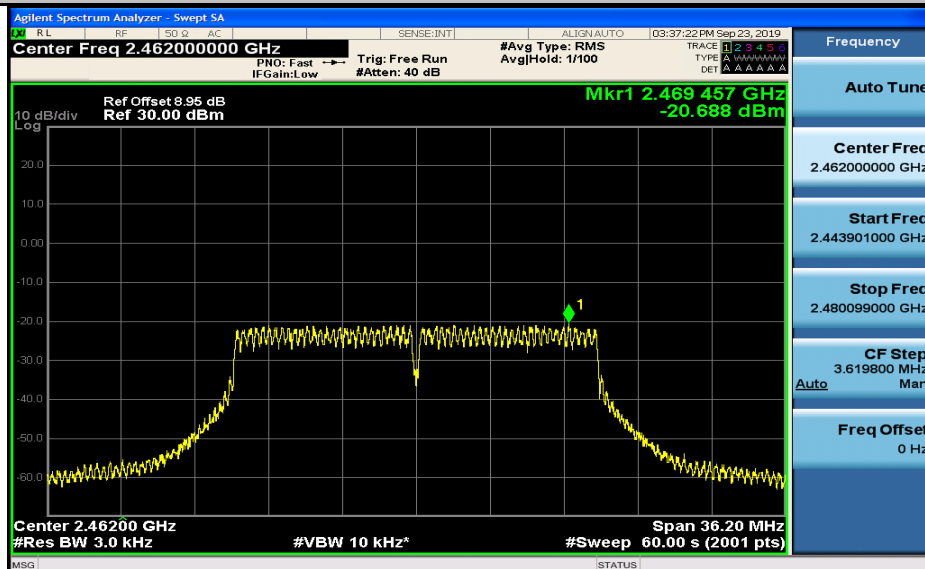
Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



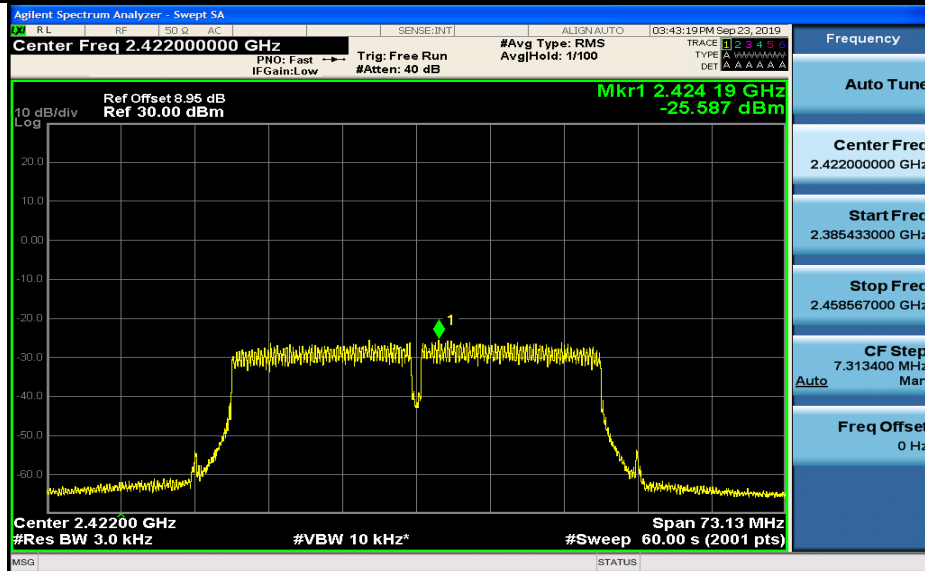
Maximum(average) power spectral density\_11N20SISO\_2437\_Ant1



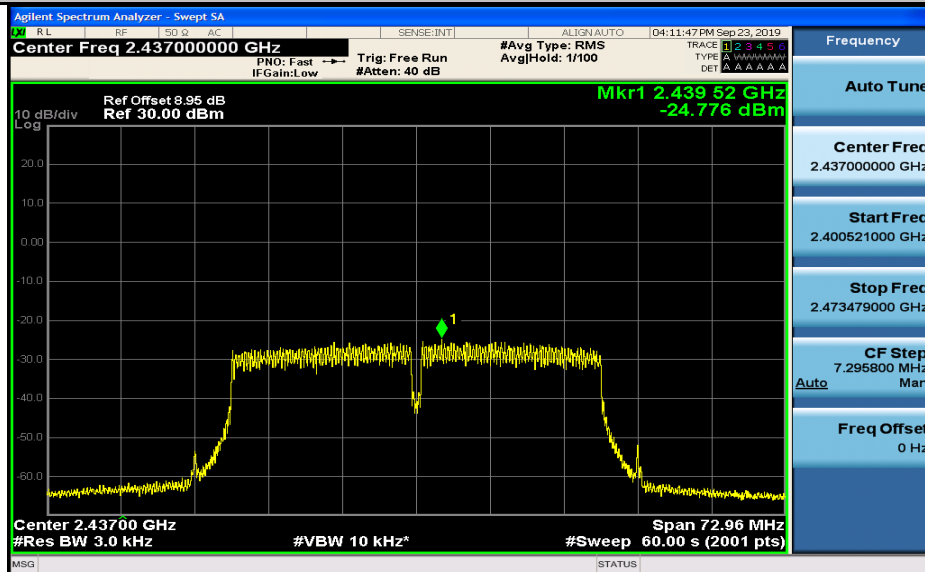
Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1



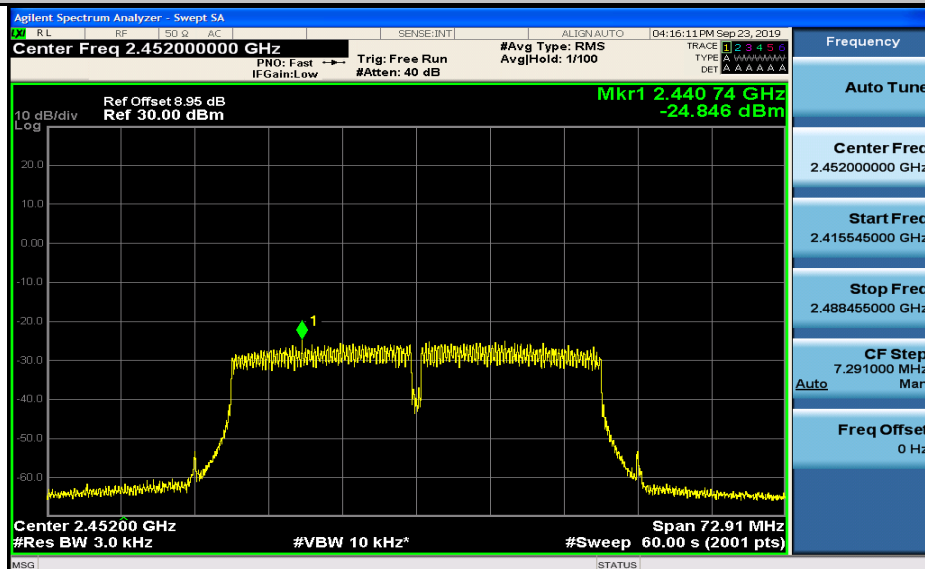
Maximum(average) power spectral density\_11N40SISO\_2422\_Ant1



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



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

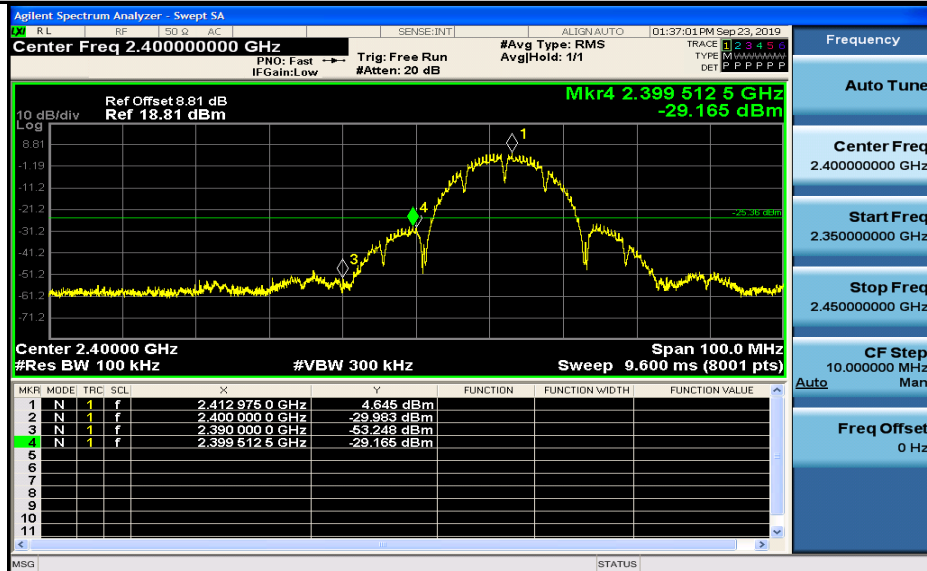




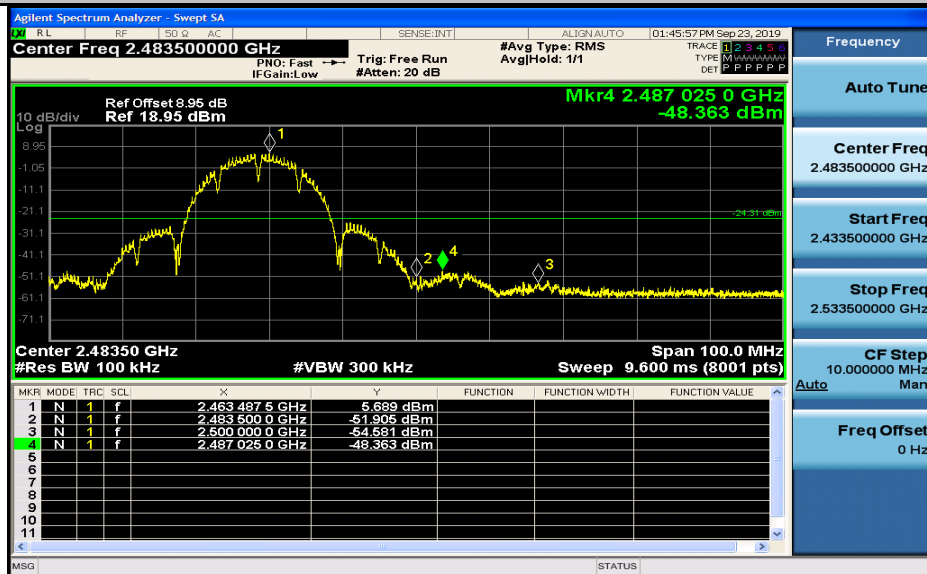
**5.Band-edge for RF Conducted Emissions**

| Test Mode | Test Channel | Ant  | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|--------------------|---------------------------|-------------|---------|
| 11B       | 2412         | Ant1 | 4.65               | -29.17                    | -25.36      | PASS    |
| 11B       | 2462         | Ant1 | 5.69               | -48.36                    | -24.31      | PASS    |
| 11G       | 2412         | Ant1 | 2.06               | -29.60                    | -27.94      | PASS    |
| 11G       | 2462         | Ant1 | 3.11               | -41.24                    | -26.89      | PASS    |
| 11N20SISO | 2412         | Ant1 | 2.30               | -30.31                    | -27.70      | PASS    |
| 11N20SISO | 2462         | Ant1 | 2.82               | -35.46                    | -27.18      | PASS    |
| 11N40SISO | 2422         | Ant1 | -1.89              | -35.73                    | -31.89      | PASS    |
| 11N40SISO | 2452         | Ant1 | -1.31              | -42.15                    | -31.31      | PASS    |

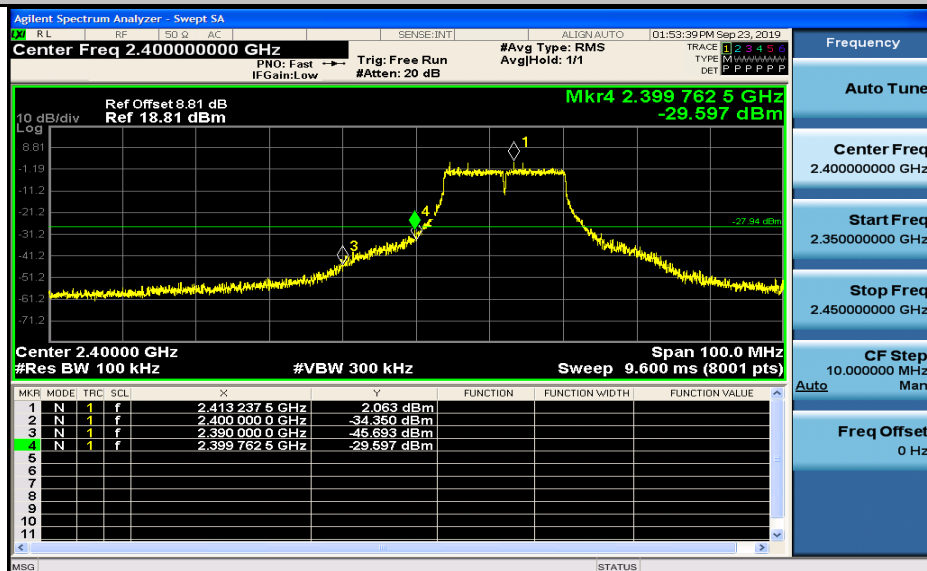
### Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



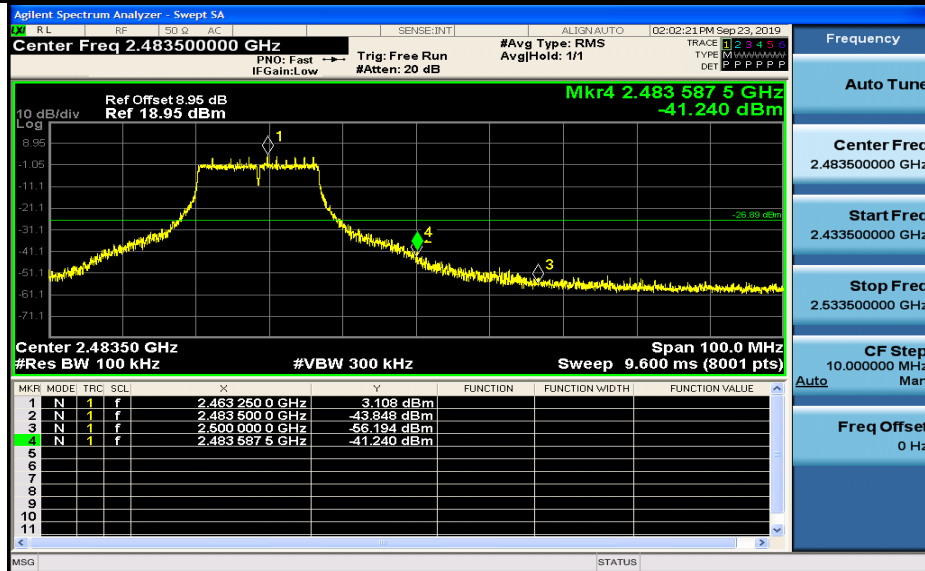
### Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



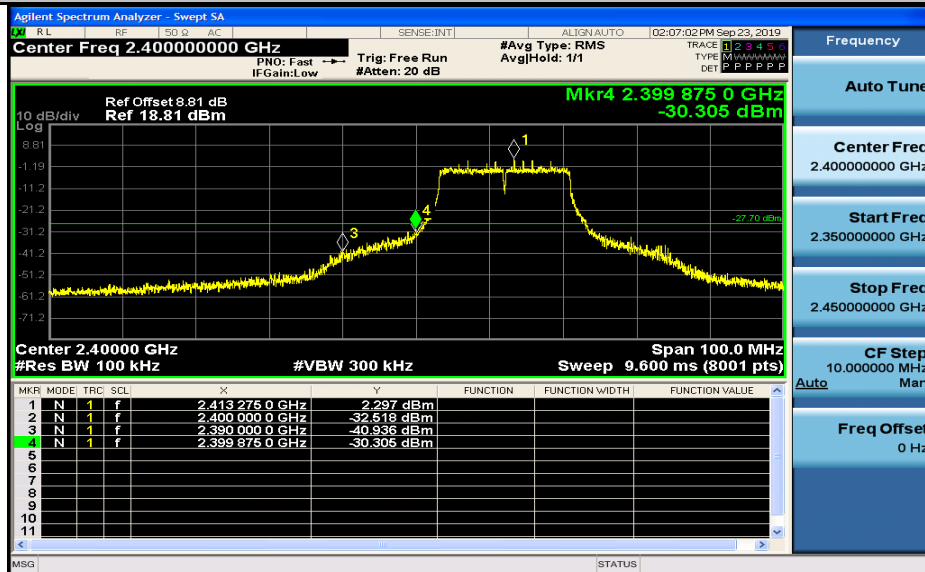
### Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



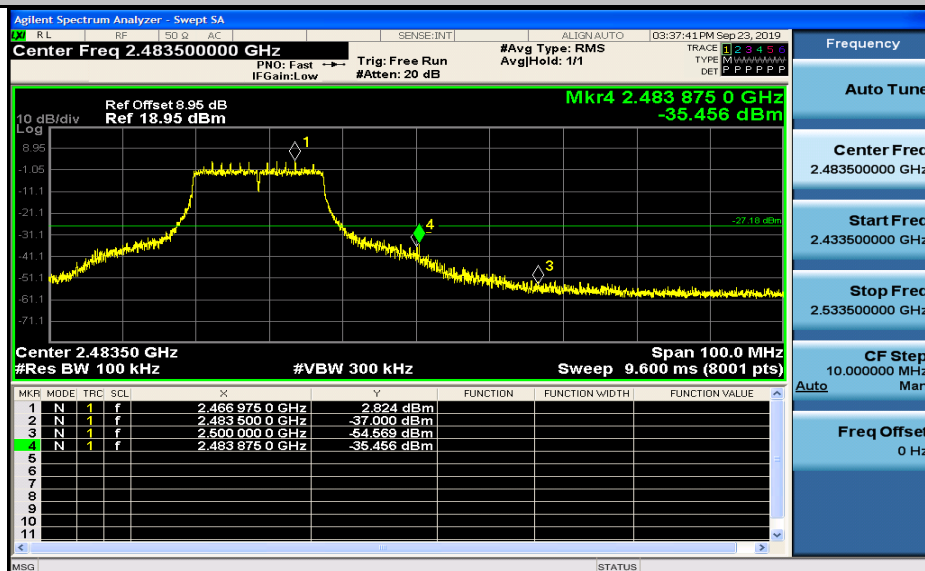
Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



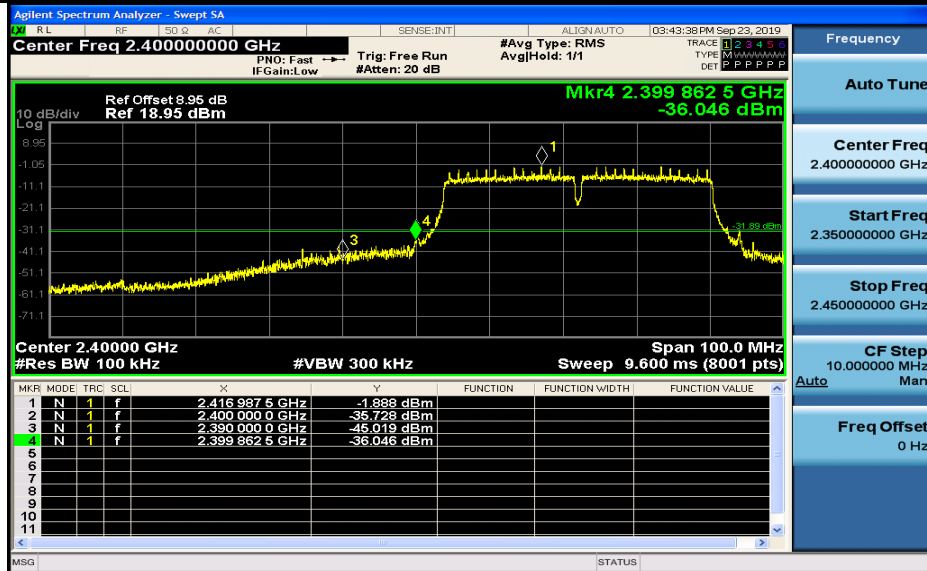
Band-edge for RF Conducted Emissions\_11N20SISO\_2412\_Ant1



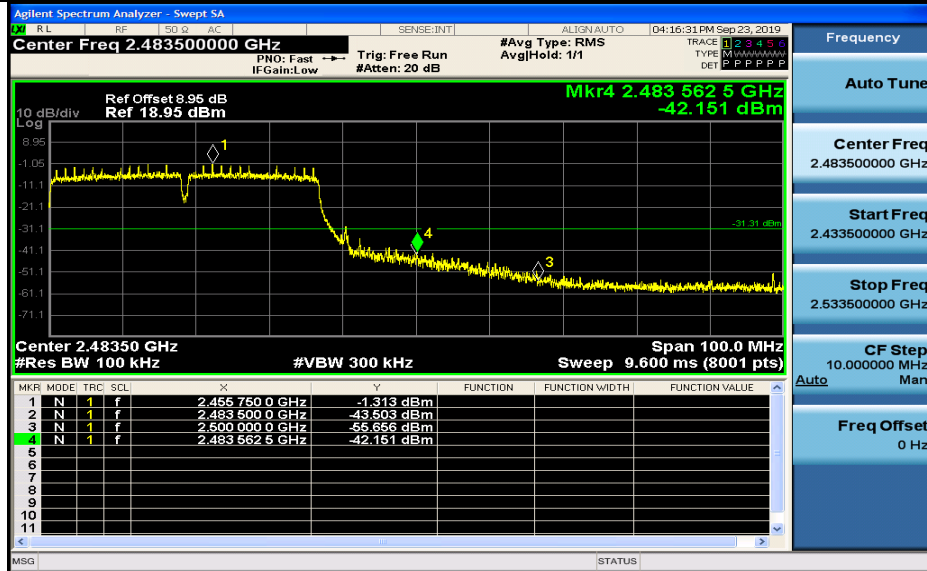
Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1



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



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



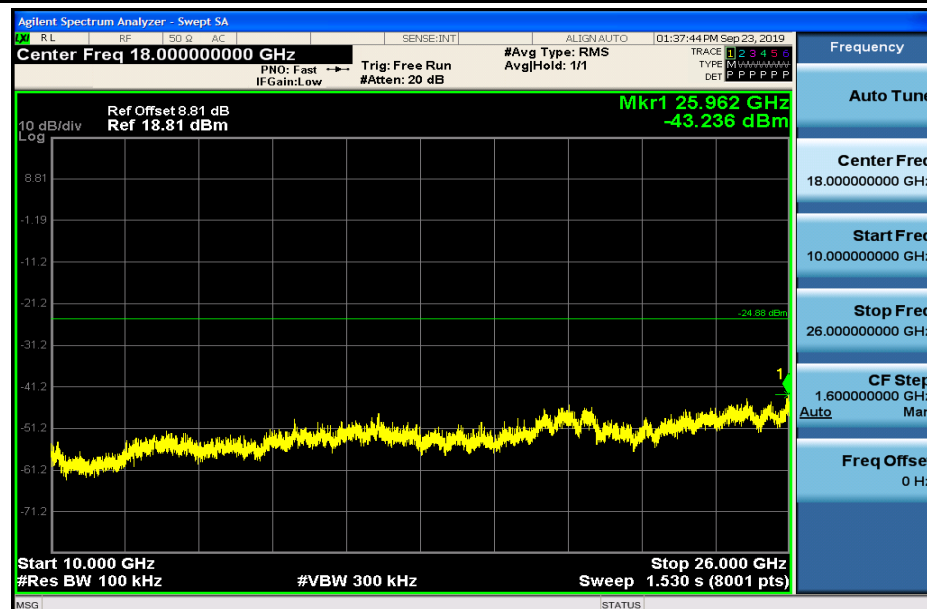
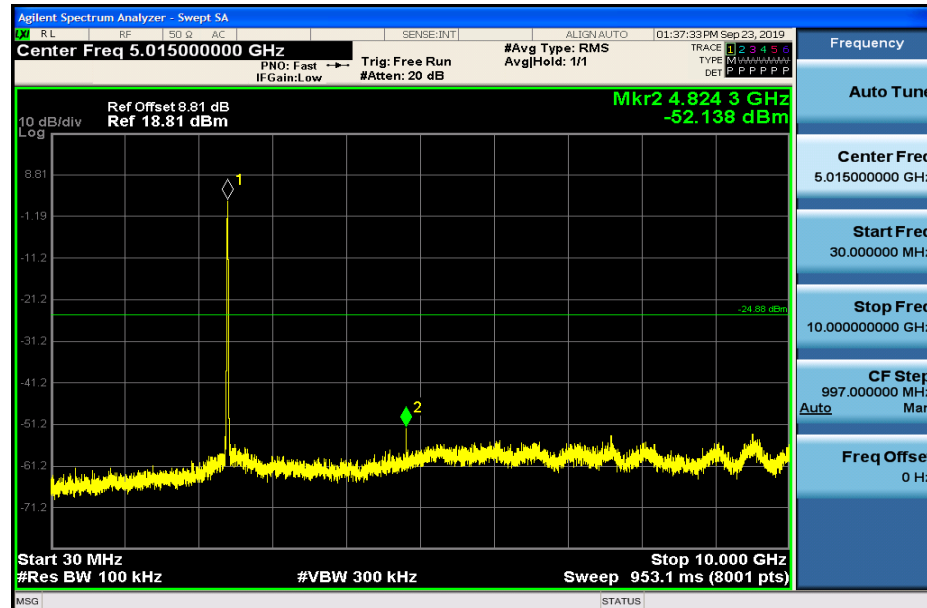
**6.RF Conducted Spurious Emissions**

| 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       | 5.12      | -52.14           | <-<br>24.88  | PASS    |
| 11B       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | 5.121     | -43.236          | <-<br>24.879 | PASS    |
| 11B       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 5.64      | -50.63           | <-<br>24.36  | PASS    |
| 11B       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 5.641     | -43.495          | <-<br>24.359 | PASS    |
| 11B       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 5.94      | -53.96           | <-<br>24.06  | PASS    |
| 11B       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 5.941     | -42.887          | <-<br>24.059 | PASS    |
| 11G       | 2412         | Ant1 | 30             | 10000         | 100       | 300       | 1.83      | -53.54           | <-<br>28.17  | PASS    |
| 11G       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | 1.828     | -43.687          | <-<br>28.172 | PASS    |
| 11G       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 2.78      | -53.66           | <-<br>27.22  | PASS    |
| 11G       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 2.781     | -42.431          | <-<br>27.219 | PASS    |
| 11G       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 2.88      | -53.40           | <-<br>27.12  | PASS    |
| 11G       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 2.884     | -43.263          | <-<br>27.116 | PASS    |
| 11N20SISO | 2412         | Ant1 | 30             | 10000         | 100       | 300       | 2.27      | -53.49           | <-<br>27.74  | PASS    |
| 11N20SISO | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | 2.265     | -43.440          | <-<br>27.735 | PASS    |
| 11N20SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 2.92      | -53.62           | <-<br>27.08  | PASS    |
| 11N20SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 2.921     | -44.411          | <-<br>27.079 | PASS    |
| 11N20SISO | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 2.96      | -53.40           | <-<br>27.04  | PASS    |
| 11N20SISO | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 2.96      | -44.371          | <-<br>27.04  | PASS    |
| 11N40SISO | 2422         | Ant1 | 30             | 10000         | 100       | 300       | -1.80     | -53.34           | <-<br>31.80  | PASS    |
| 11N40SISO | 2422         | Ant1 | 10000          | 26000         | 100       | 300       | -1.795    | -43.261          | <-<br>31.795 | PASS    |
| 11N40SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -1.52     | -53.54           | <-<br>31.52  | PASS    |
| 11N40SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -1.515    | -43.842          | <-<br>31.515 | PASS    |
| 11N40SISO | 2452         | Ant1 | 30             | 10000         | 100       | 300       | -1.30     | -54.12           | <-<br>31.30  | PASS    |

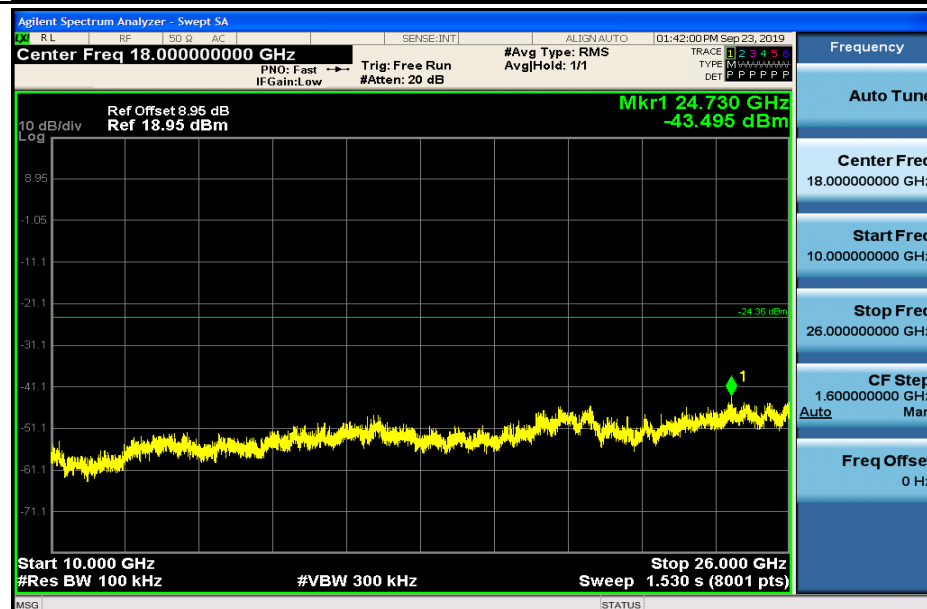
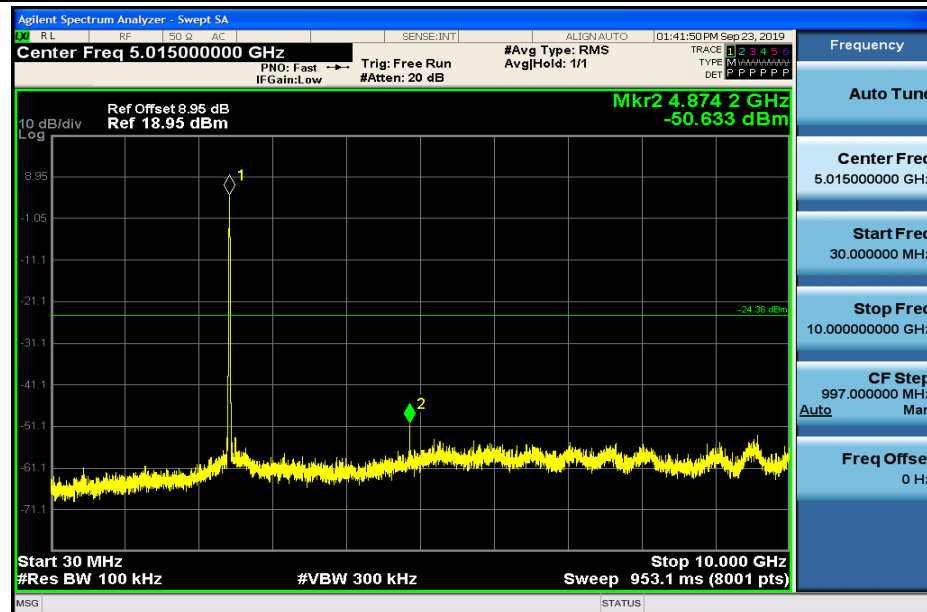
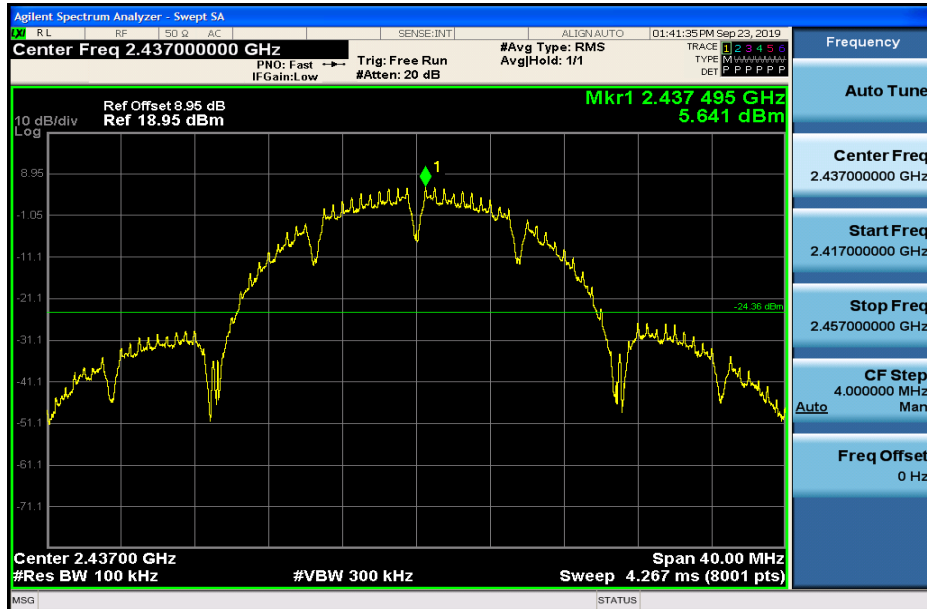


|           |      |      |       |       |     |     |        |         |              |      |
|-----------|------|------|-------|-------|-----|-----|--------|---------|--------------|------|
| 11N40SISO | 2452 | Ant1 | 10000 | 26000 | 100 | 300 | -1.295 | -44.338 | <-<br>31.295 | PASS |
|-----------|------|------|-------|-------|-----|-----|--------|---------|--------------|------|

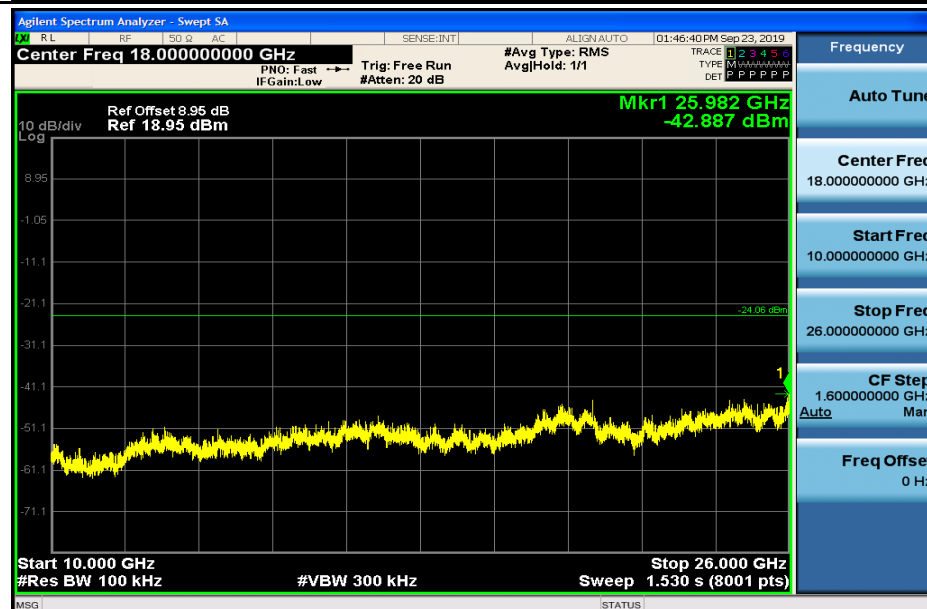
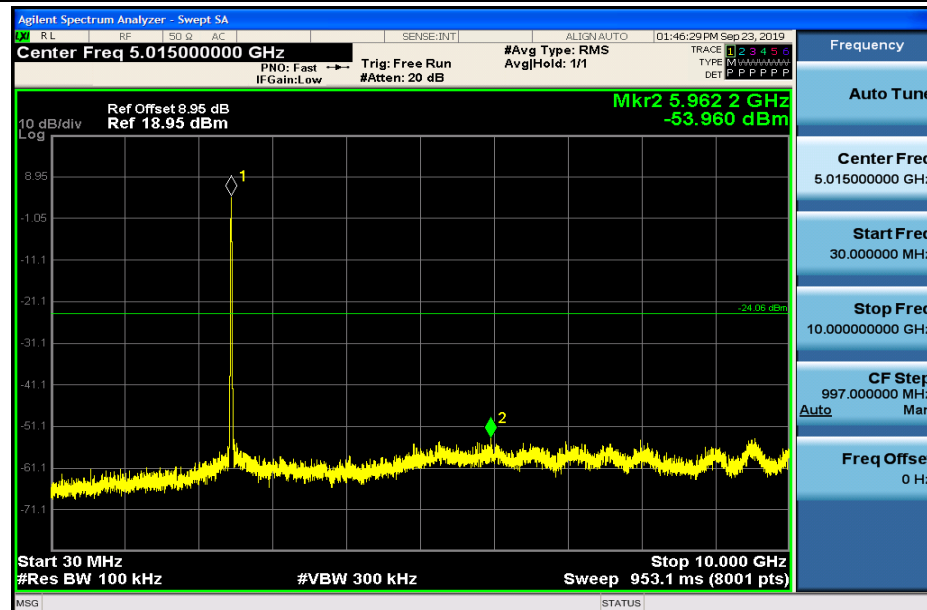
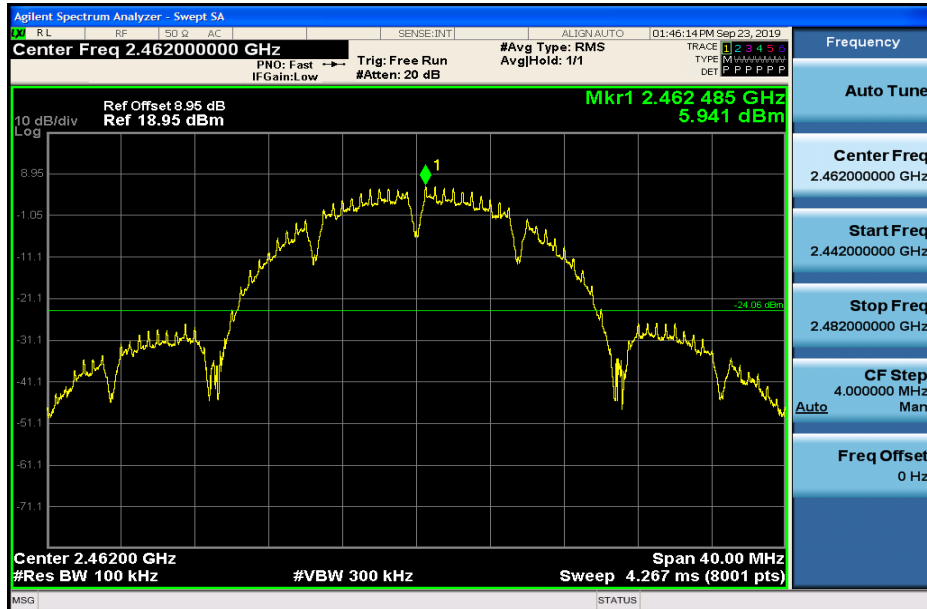
RF Conducted Spurious Emissions\_11B\_2412



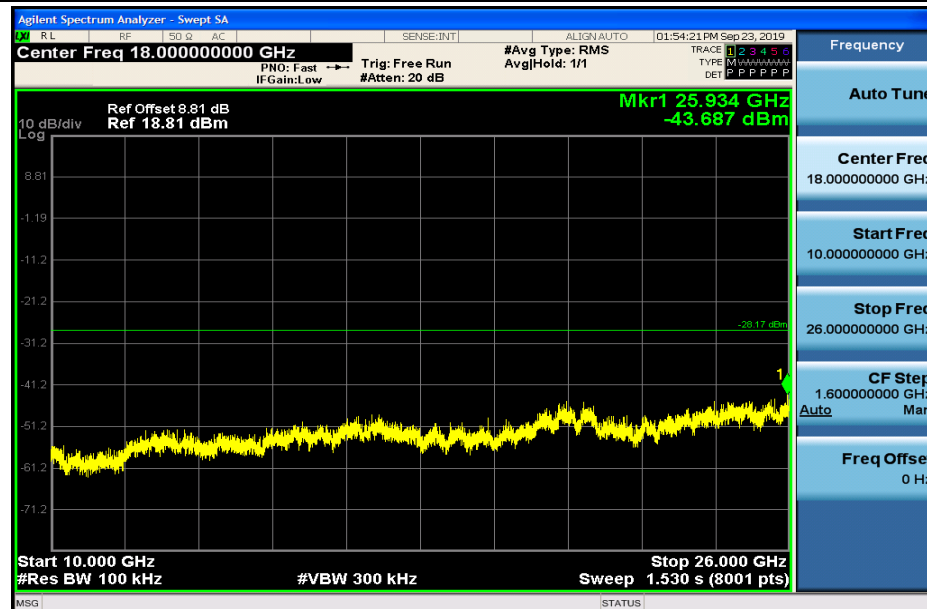
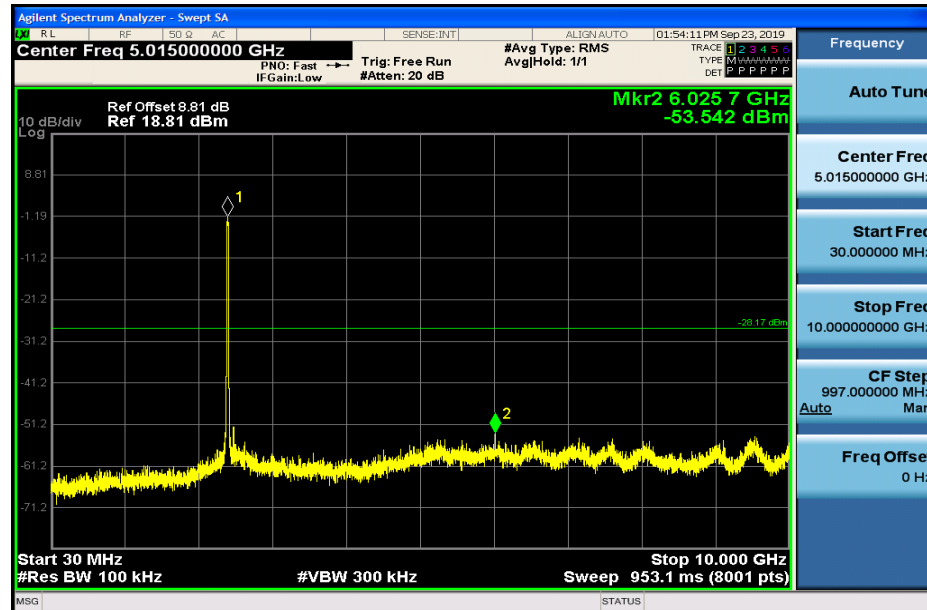
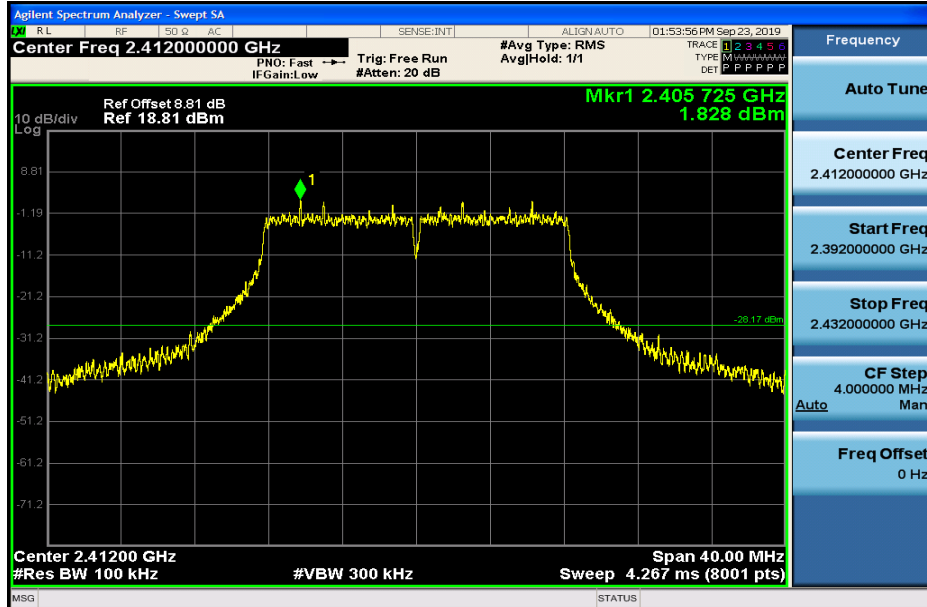
RF Conducted Spurious Emissions\_11B\_2437



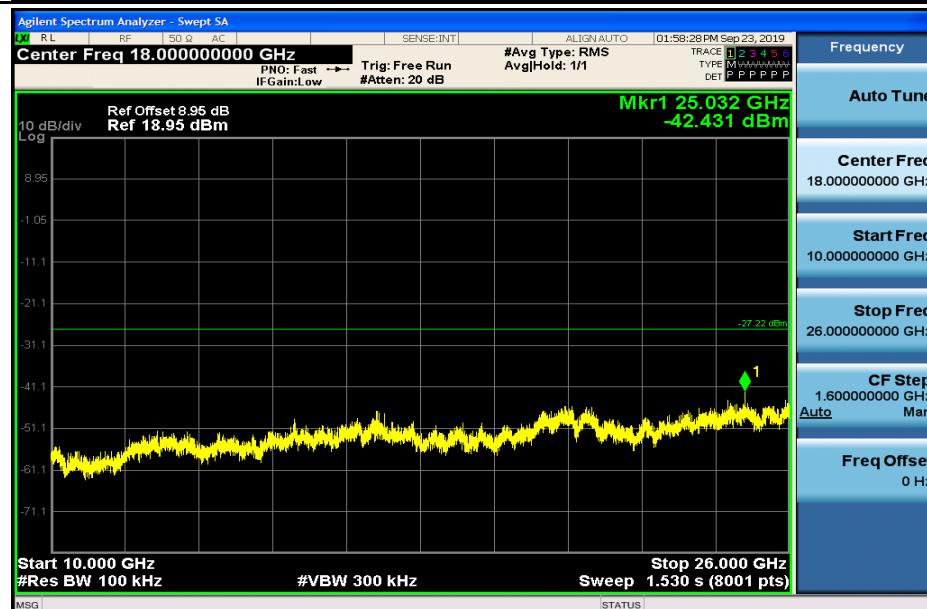
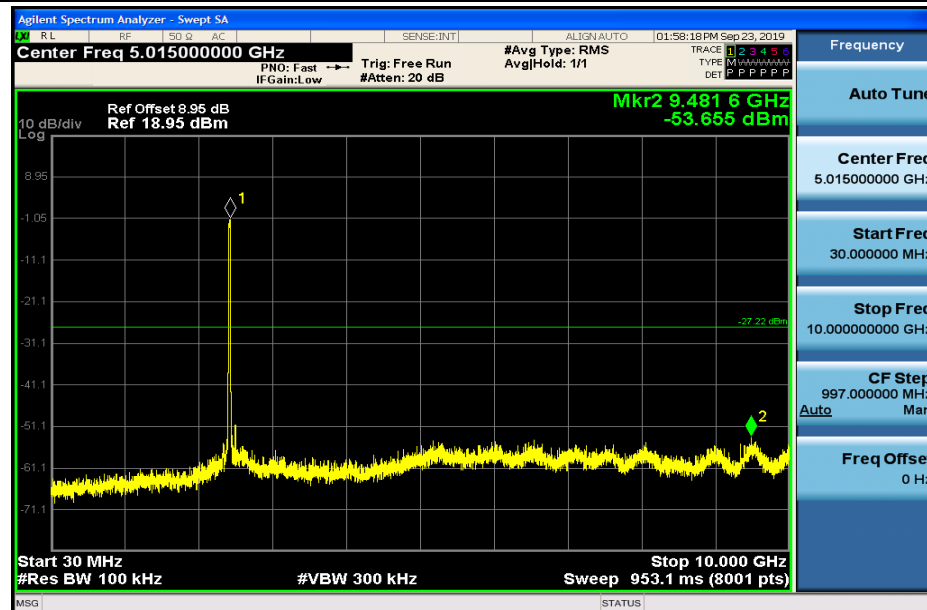
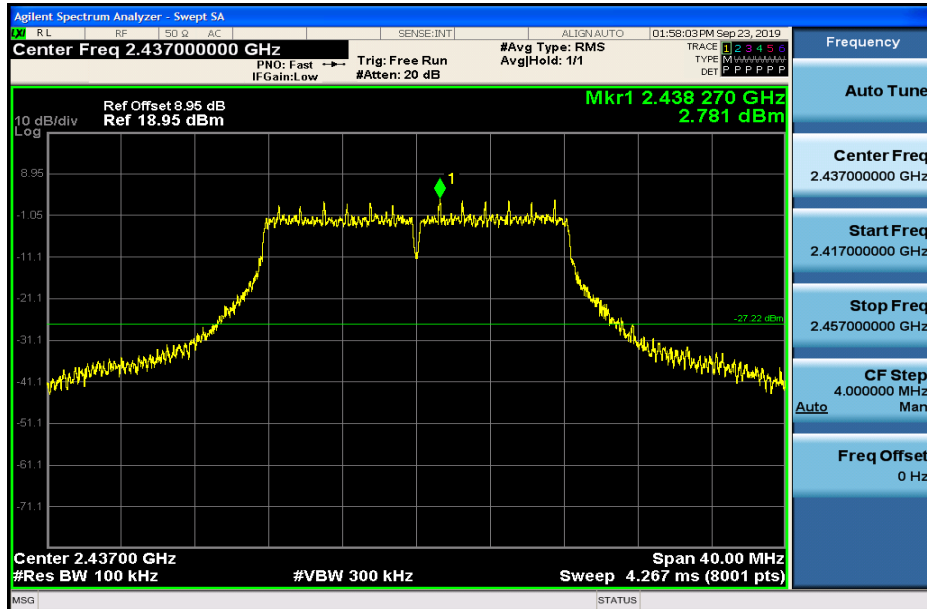
RF Conducted Spurious Emissions\_11B\_2462



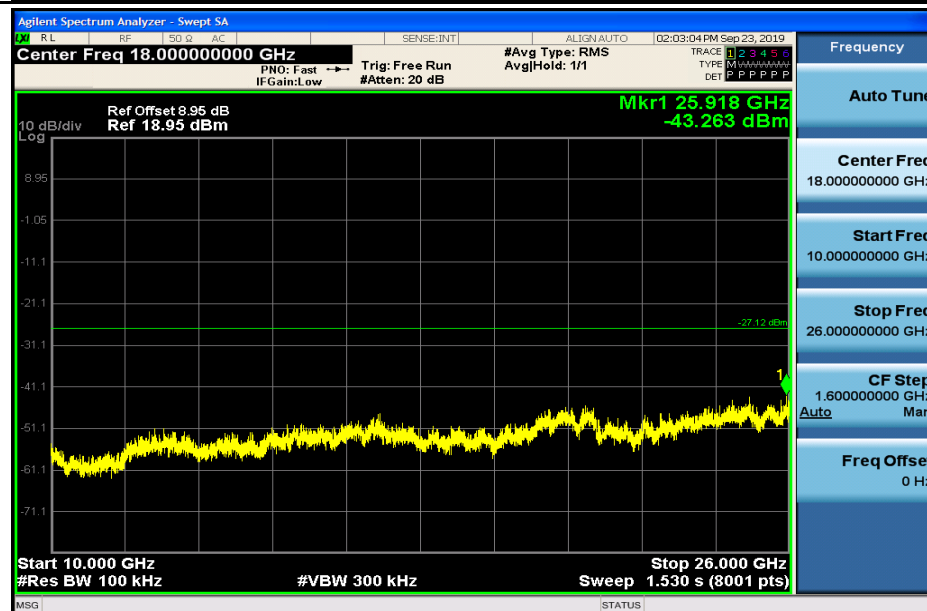
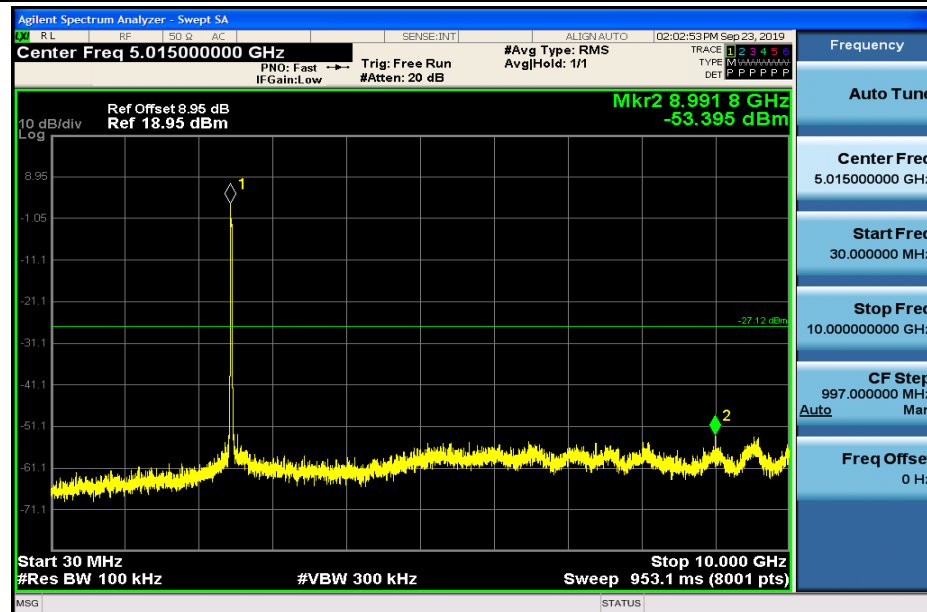
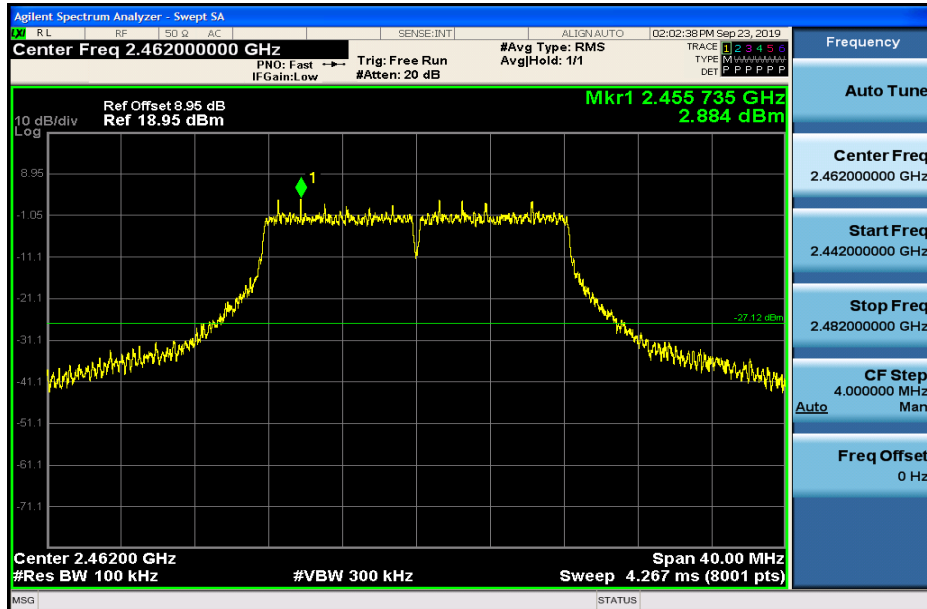
RF Conducted Spurious Emissions\_11G\_2412



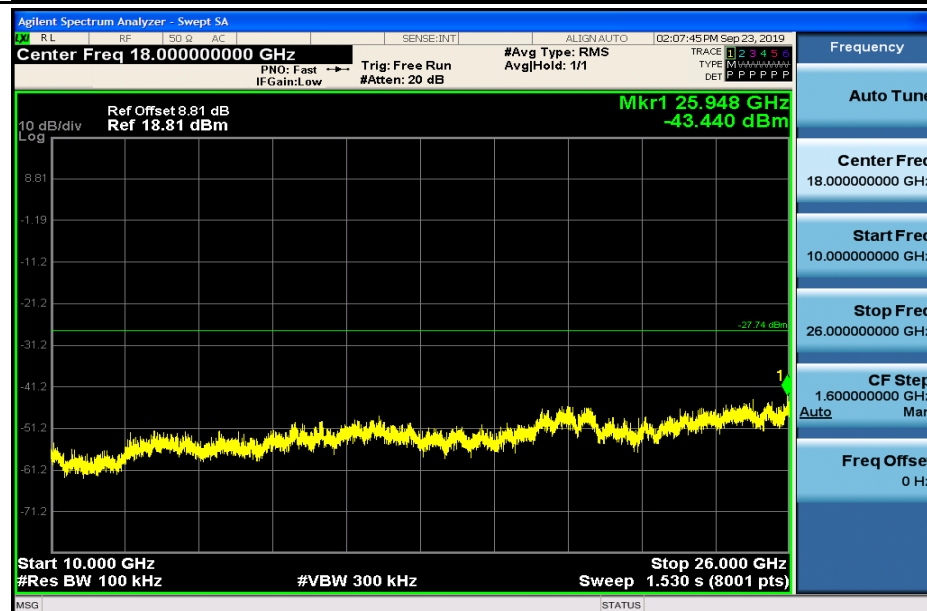
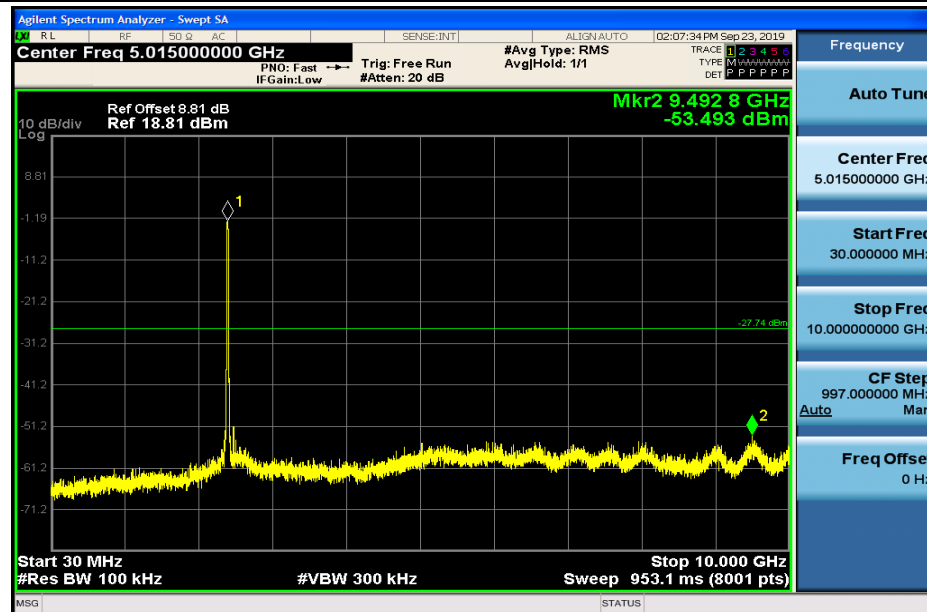
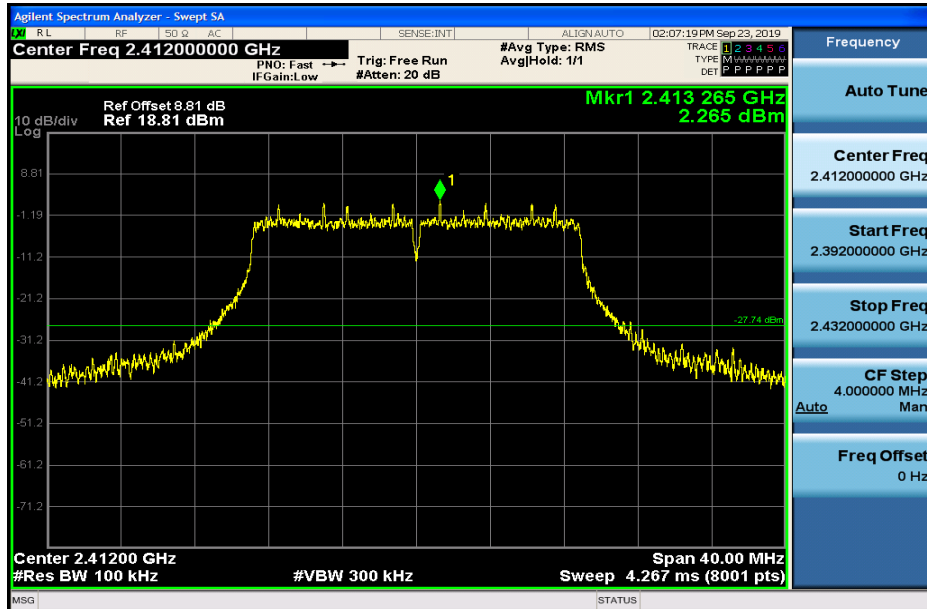
RF Conducted Spurious Emissions\_11G\_2437



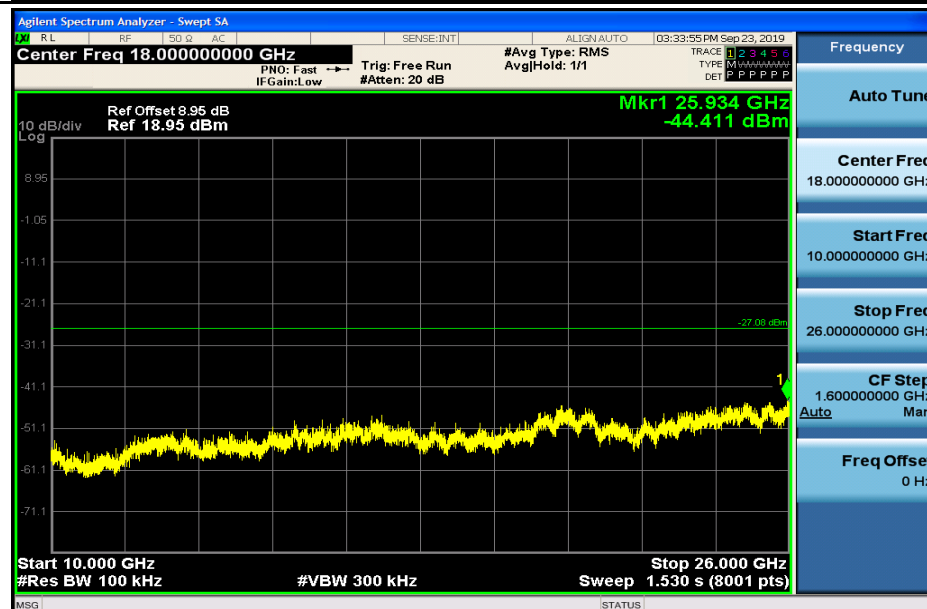
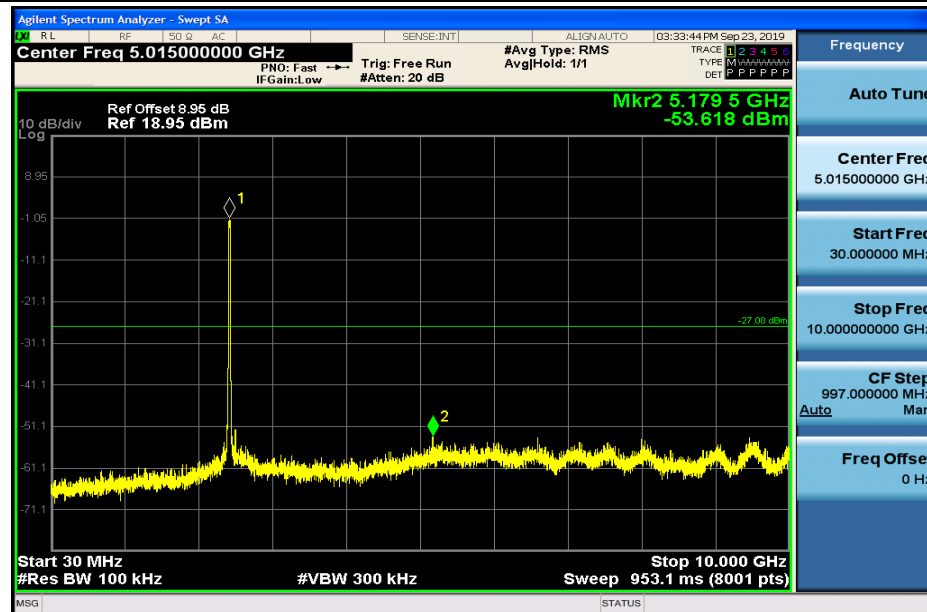
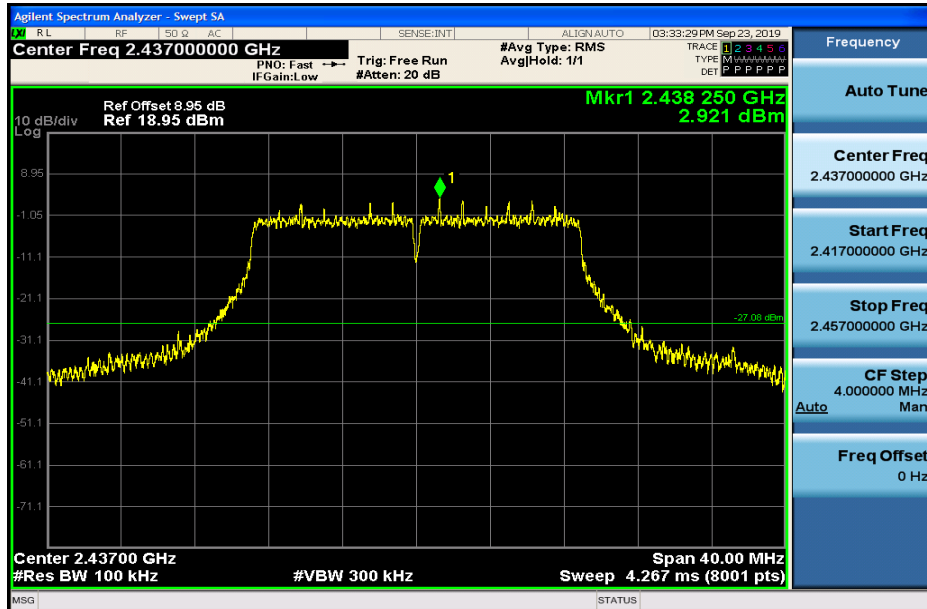
RF Conducted Spurious Emissions\_11G\_2462



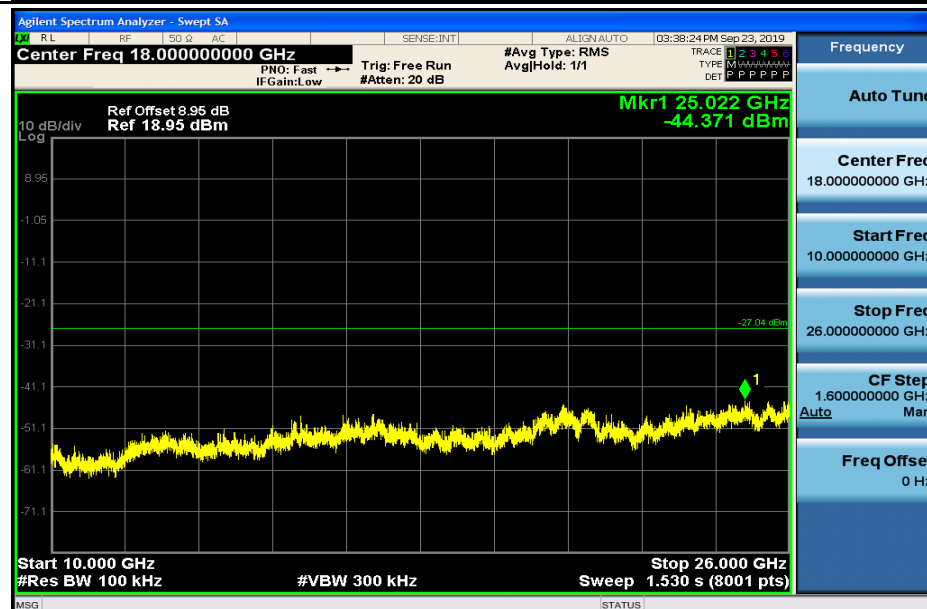
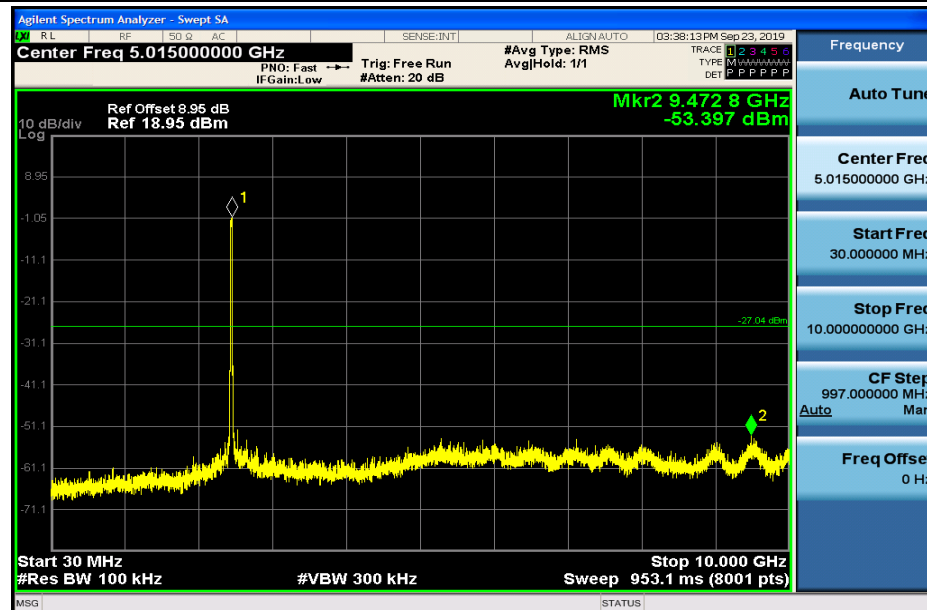
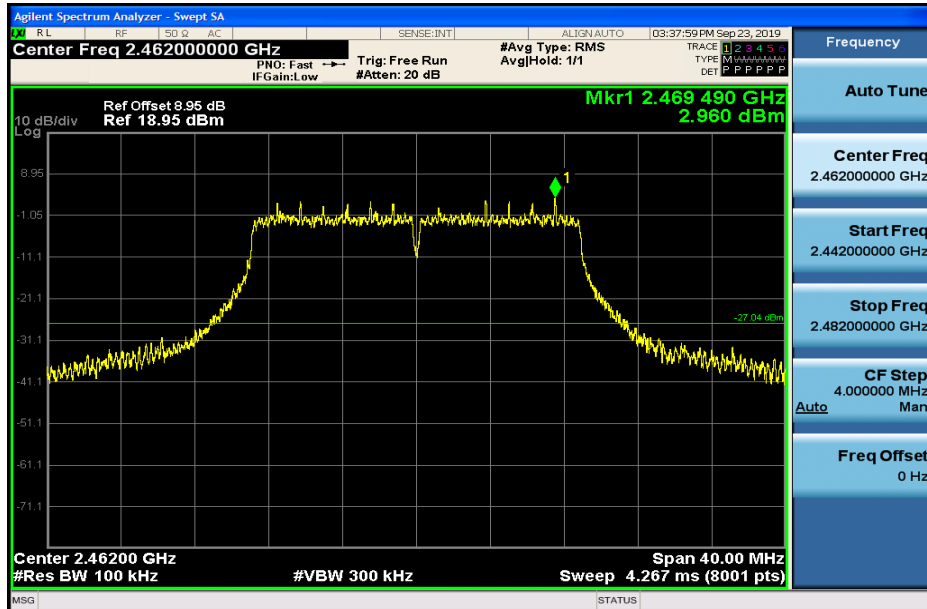
RF Conducted Spurious Emissions\_11N20SISO\_2412



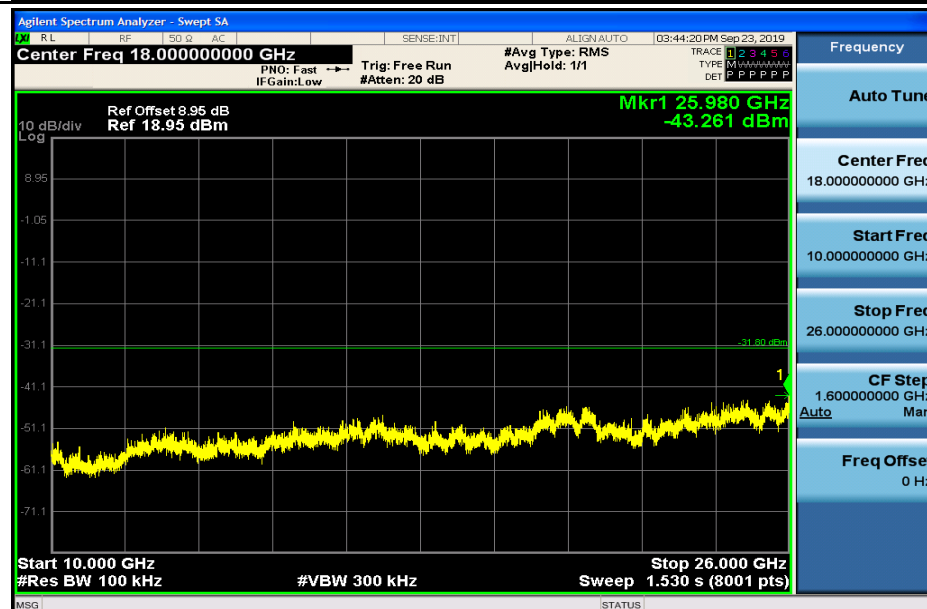
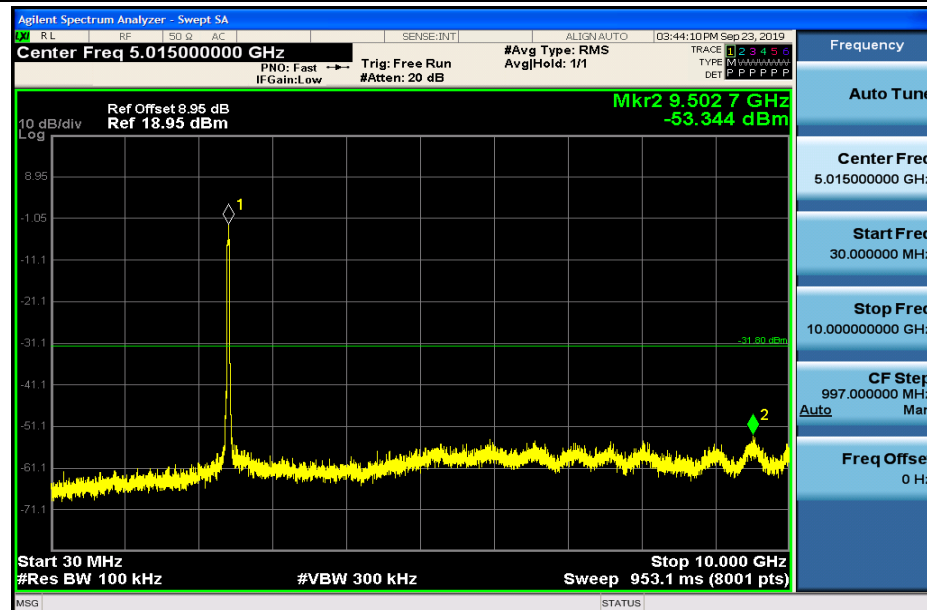
RF Conducted Spurious Emissions\_11N20SISO\_2437



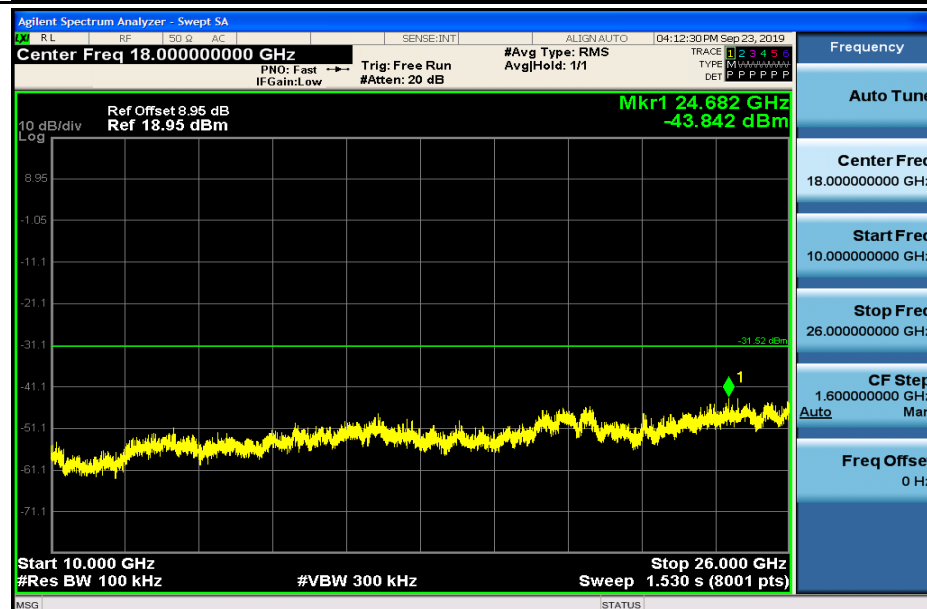
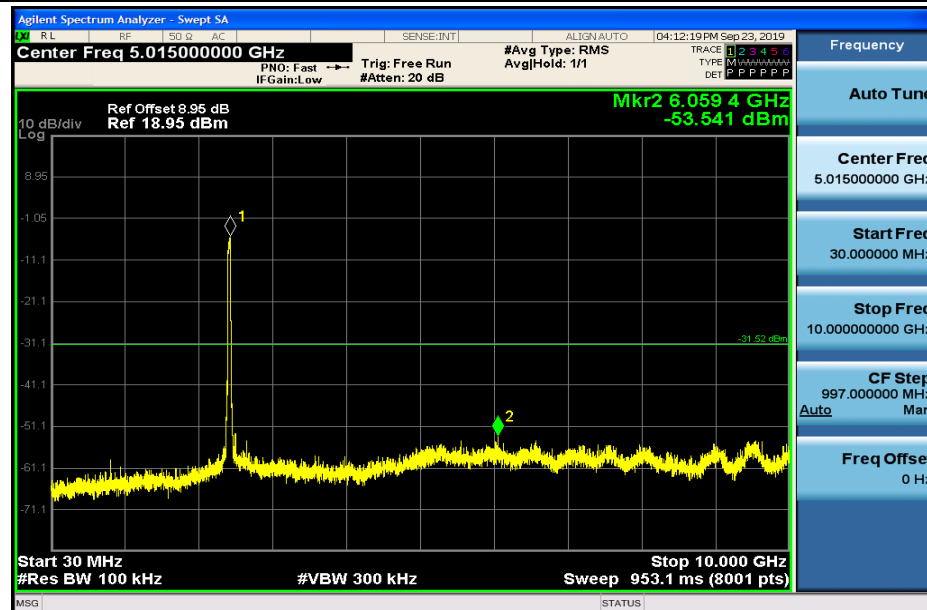
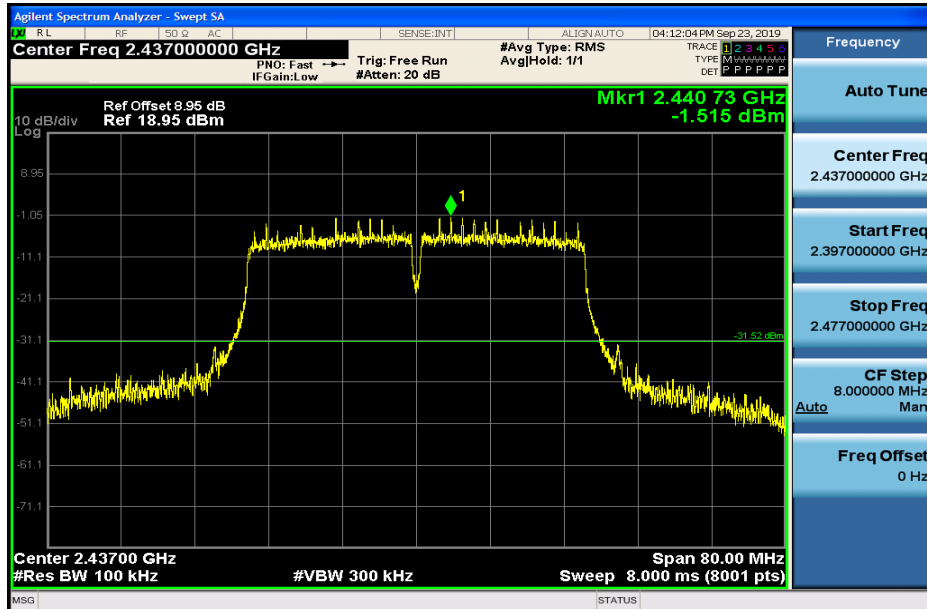
RF Conducted Spurious Emissions\_11N20SISO\_2462



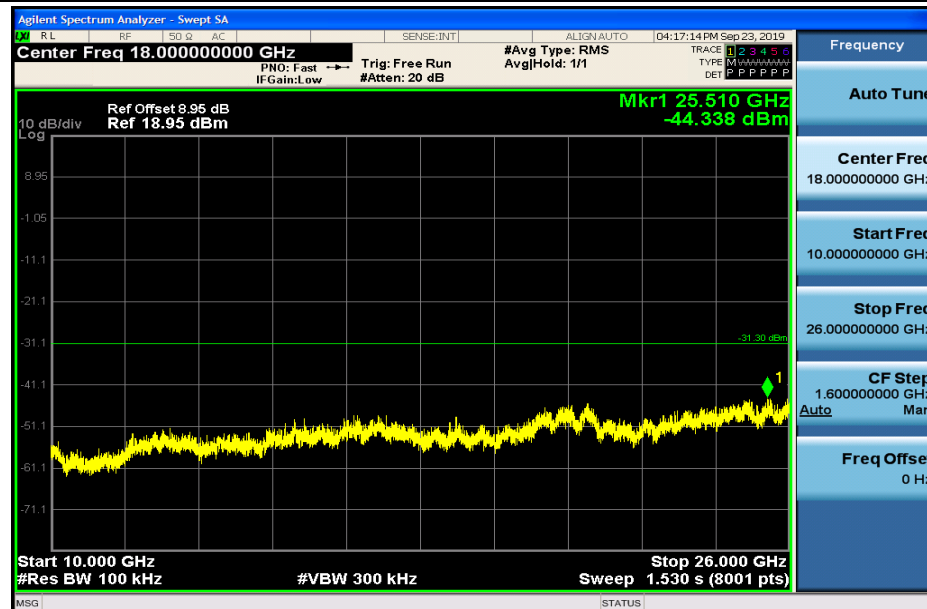
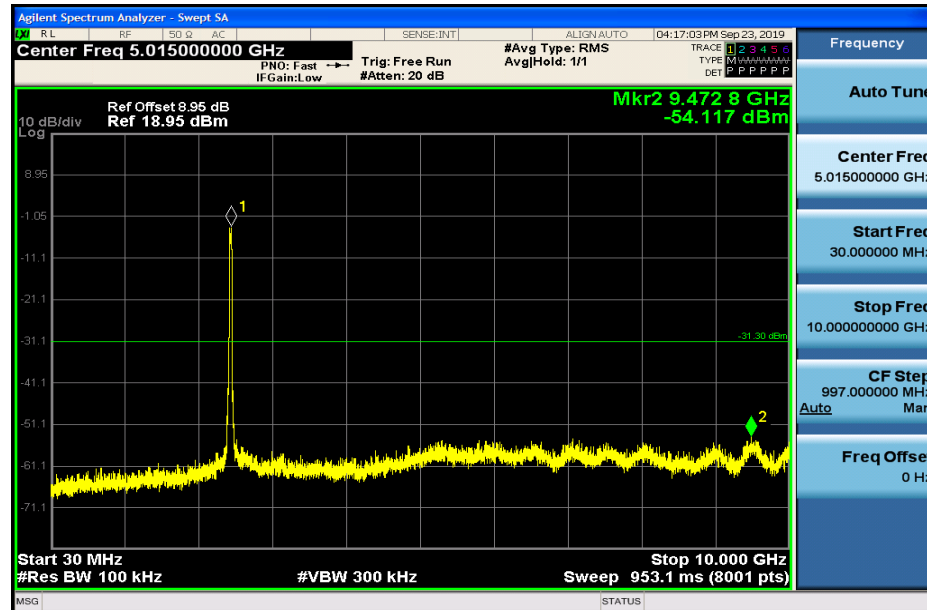
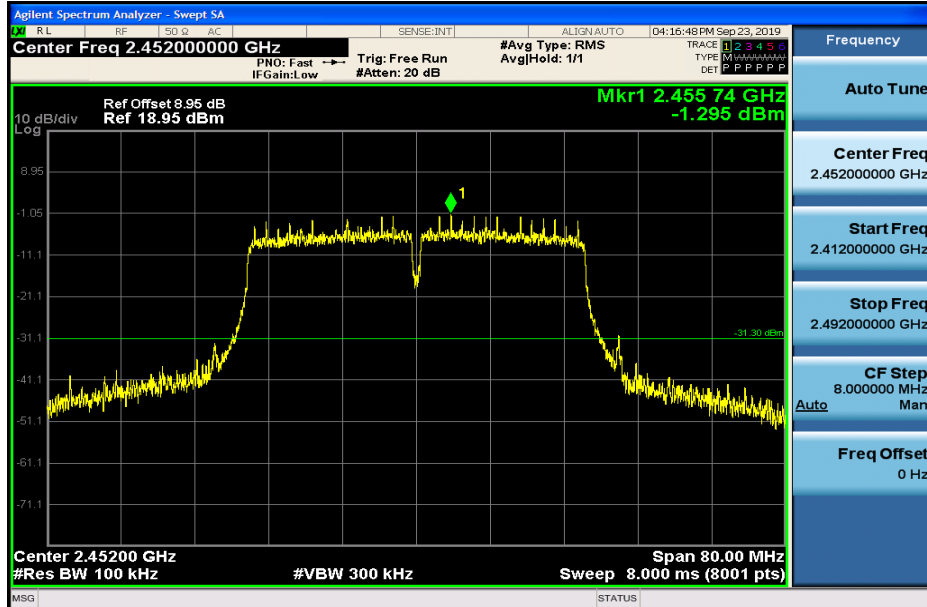
RF Conducted Spurious Emissions\_11N40SISO\_2422



RF Conducted Spurious Emissions\_11N40SISO\_2437



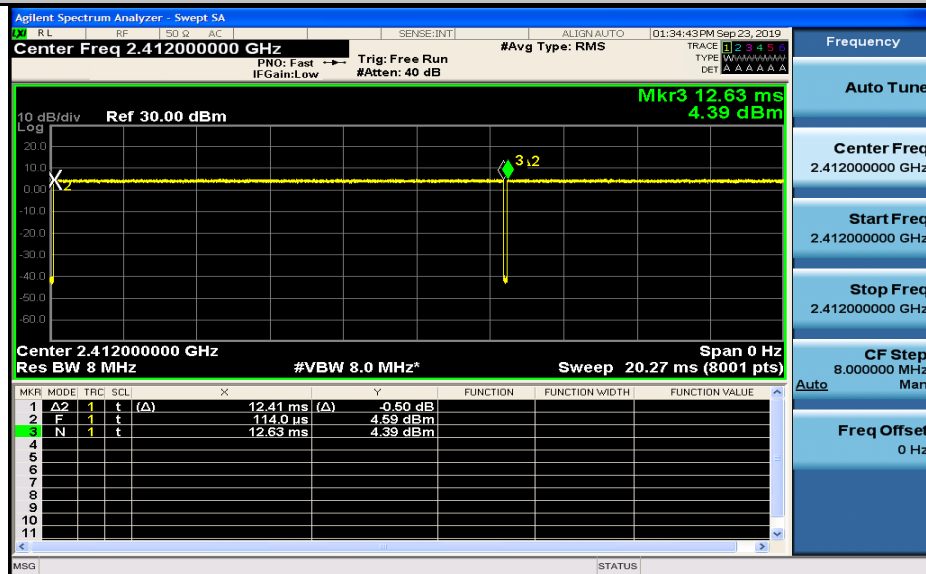
RF Conducted Spurious Emissions\_11N40SISO\_2452



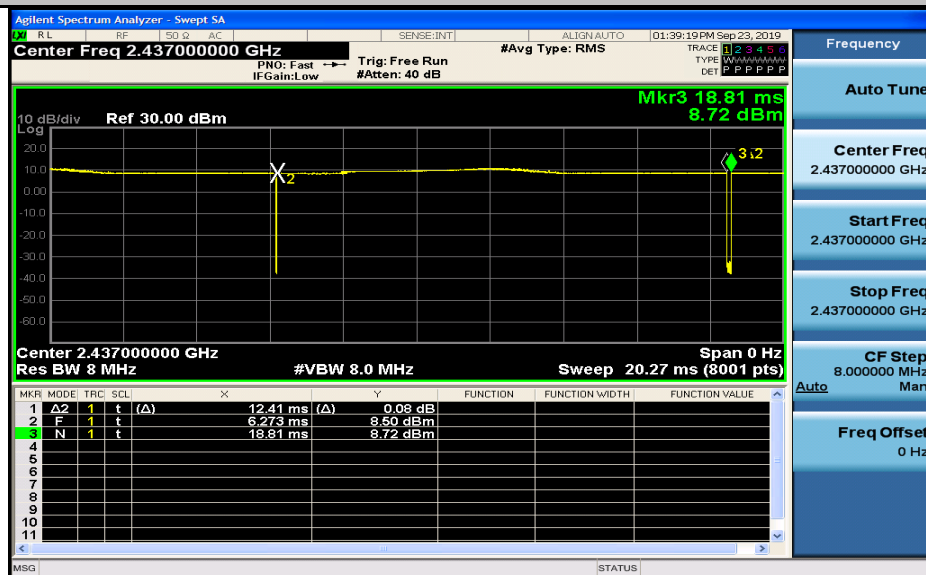
## 7.Duty Cycle

| Test Mode | Test Channel | Ant  | Duty Cycle[%] | 10log(1/x) Factor[dB] |
|-----------|--------------|------|---------------|-----------------------|
| 11B       | 2412         | Ant1 | 99.17         | 0.04                  |
| 11B       | 2437         | Ant1 | 99.03         | 0.04                  |
| 11B       | 2462         | Ant1 | 98.73         | 0.06                  |
| 11G       | 2412         | Ant1 | 95.65         | 0.19                  |
| 11G       | 2437         | Ant1 | 97.13         | 0.13                  |
| 11G       | 2462         | Ant1 | 97.25         | 0.12                  |
| 11N20SISO | 2412         | Ant1 | 93.22         | 0.30                  |
| 11N20SISO | 2437         | Ant1 | 93.09         | 0.31                  |
| 11N20SISO | 2462         | Ant1 | 91.53         | 0.38                  |
| 11N40SISO | 2422         | Ant1 | 92.52         | 0.34                  |
| 11N40SISO | 2437         | Ant1 | 95.13         | 0.22                  |
| 11N40SISO | 2452         | Ant1 | 90.02         | 0.46                  |

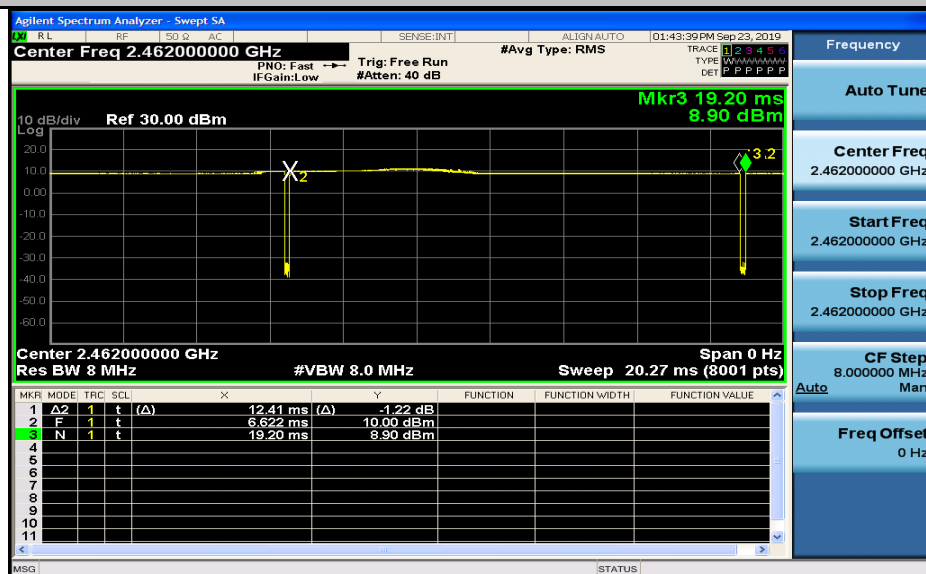
Duty Cycle\_11B\_2412\_Ant1



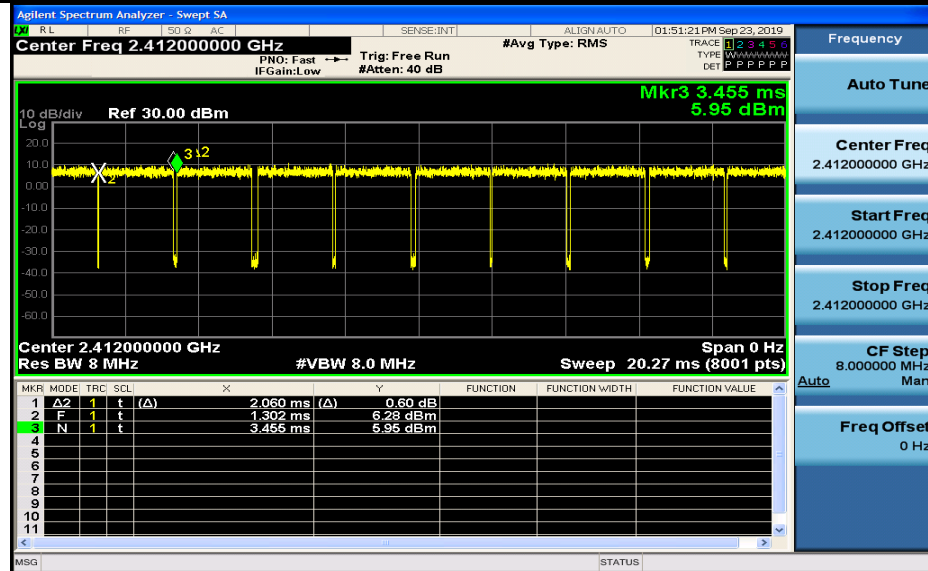
Duty Cycle\_11B\_2437\_Ant1



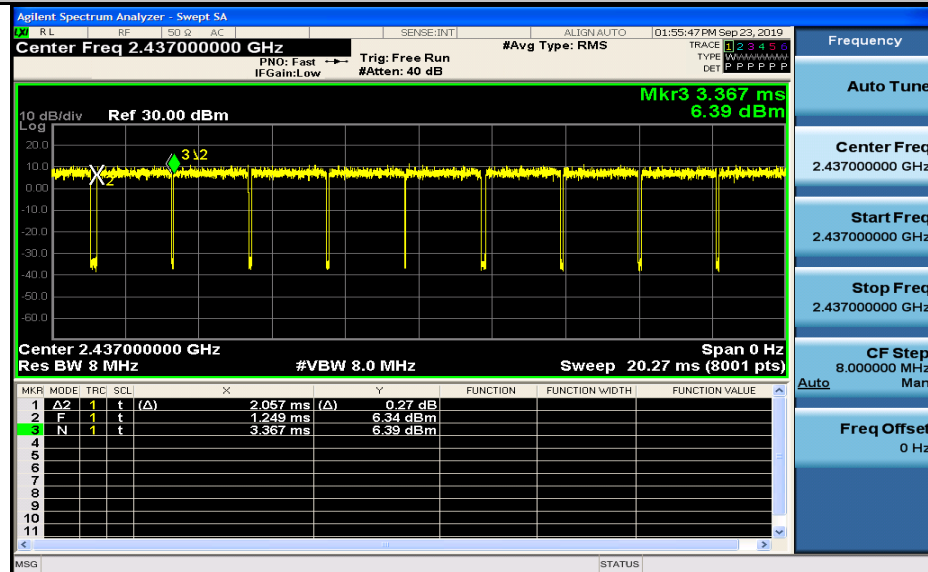
Duty Cycle\_11B\_2462\_Ant1



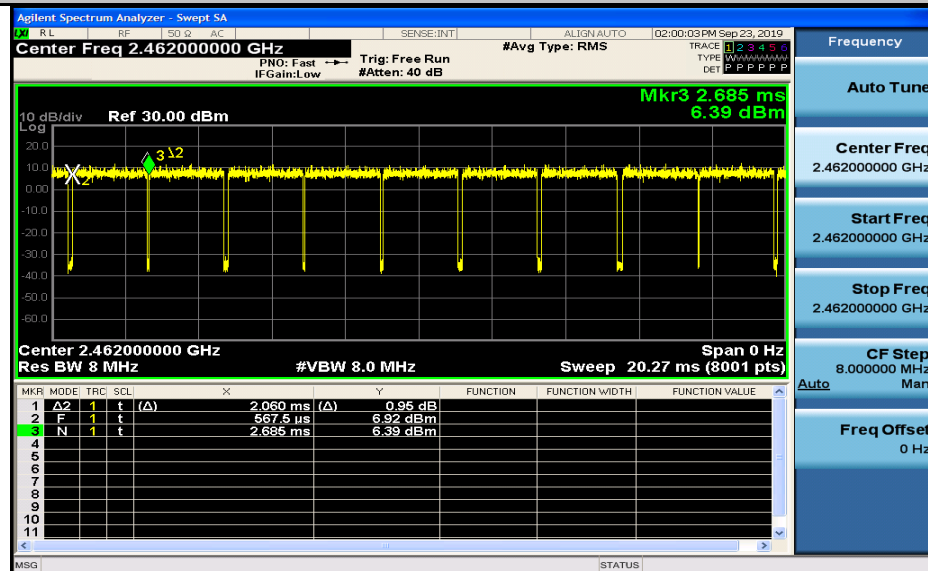
Duty Cycle\_11G\_2412\_Ant1



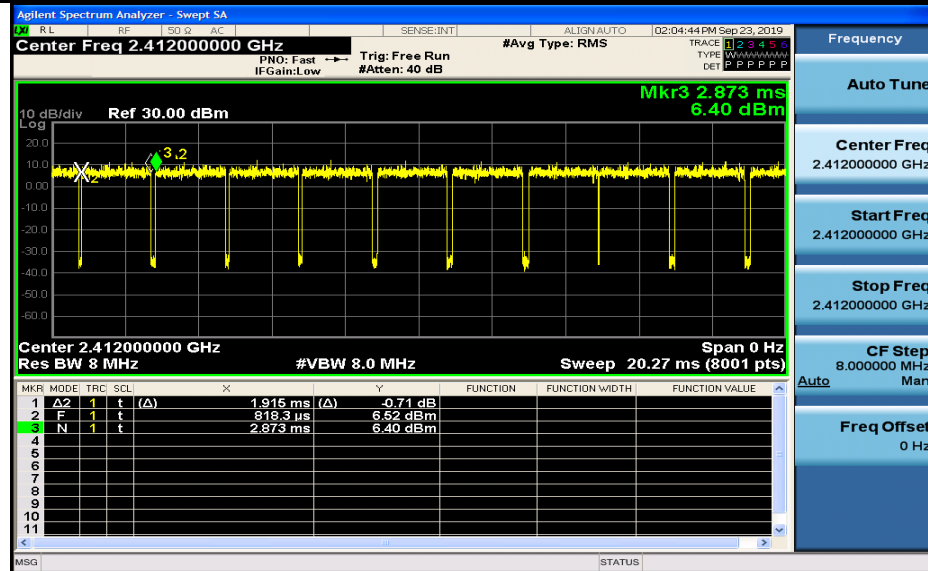
Duty Cycle\_11G\_2437\_Ant1



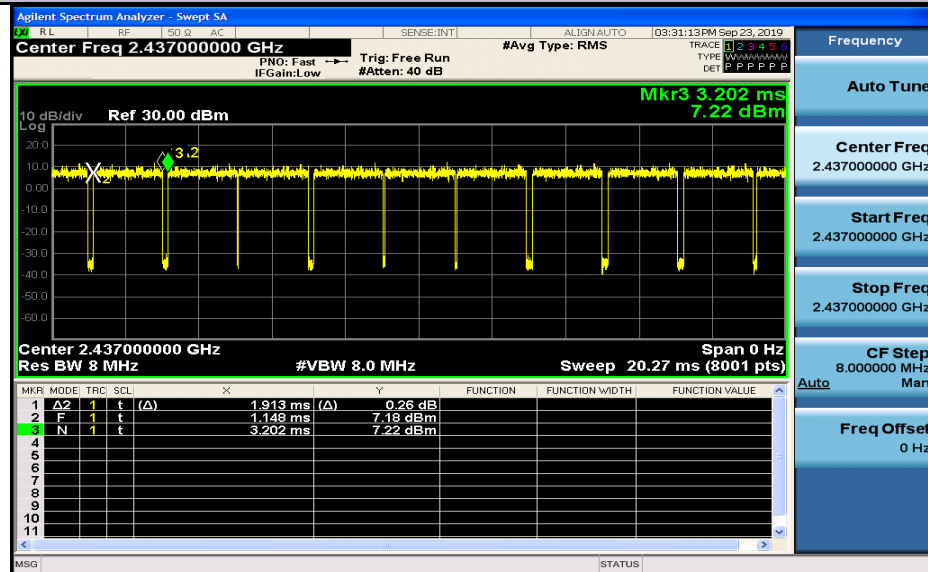
Duty Cycle\_11G\_2462\_Ant1



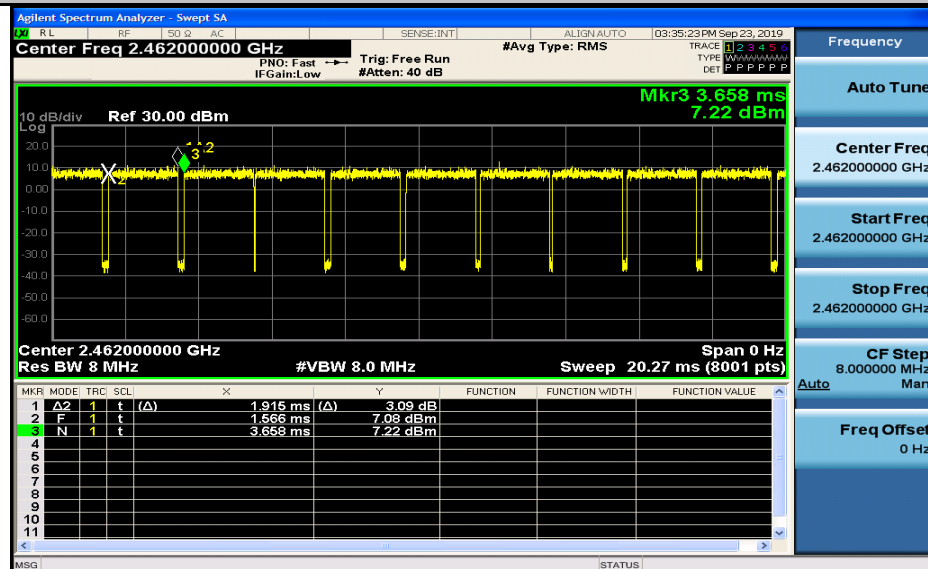
Duty Cycle\_11N20SISO\_2412\_Ant1



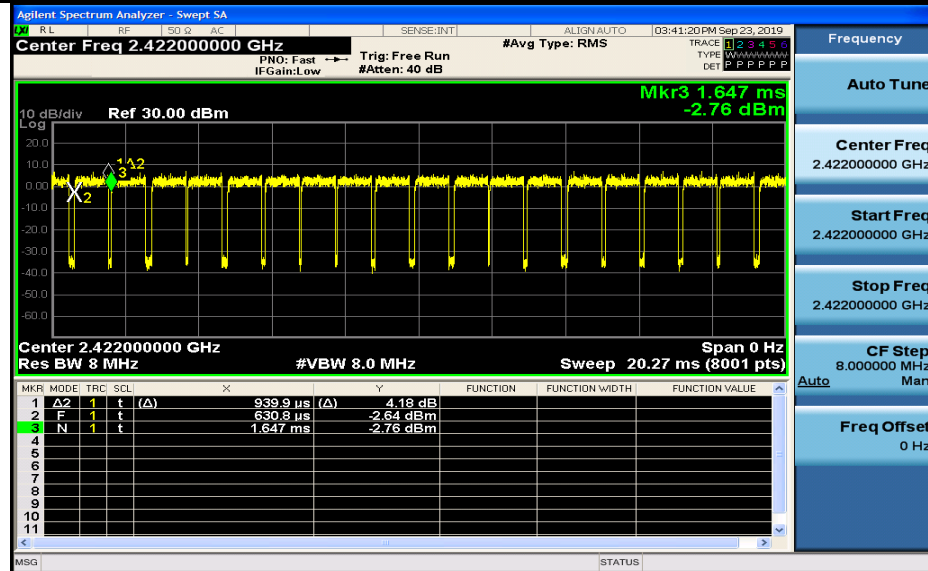
Duty Cycle\_11N20SISO\_2437\_Ant1



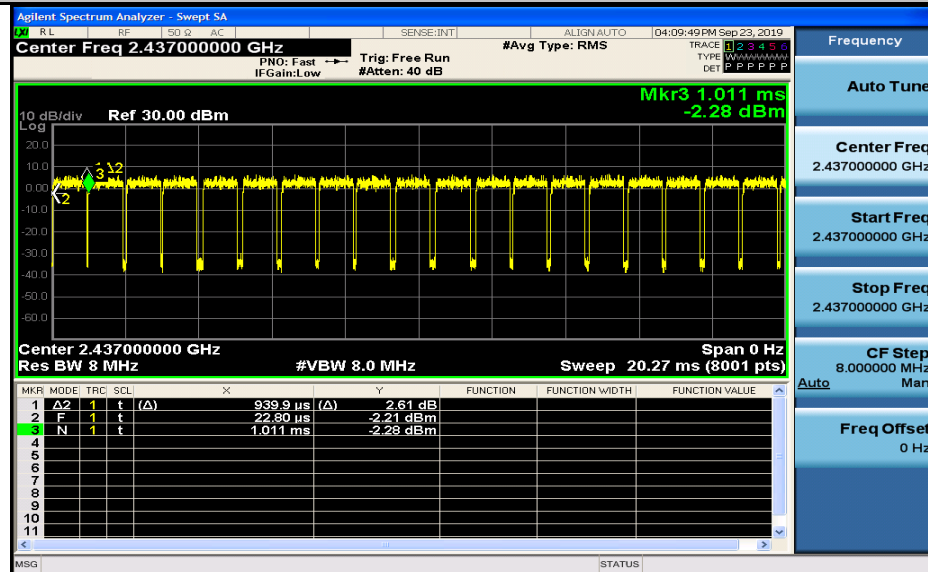
Duty Cycle\_11N20SISO\_2462\_Ant1



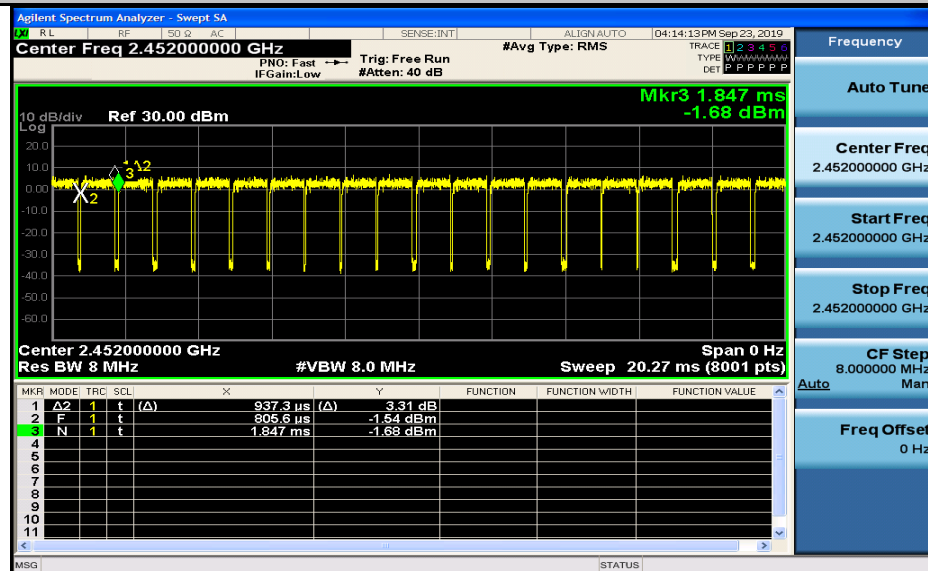
Duty Cycle\_11N40SISO\_2422\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2452\_Ant1





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