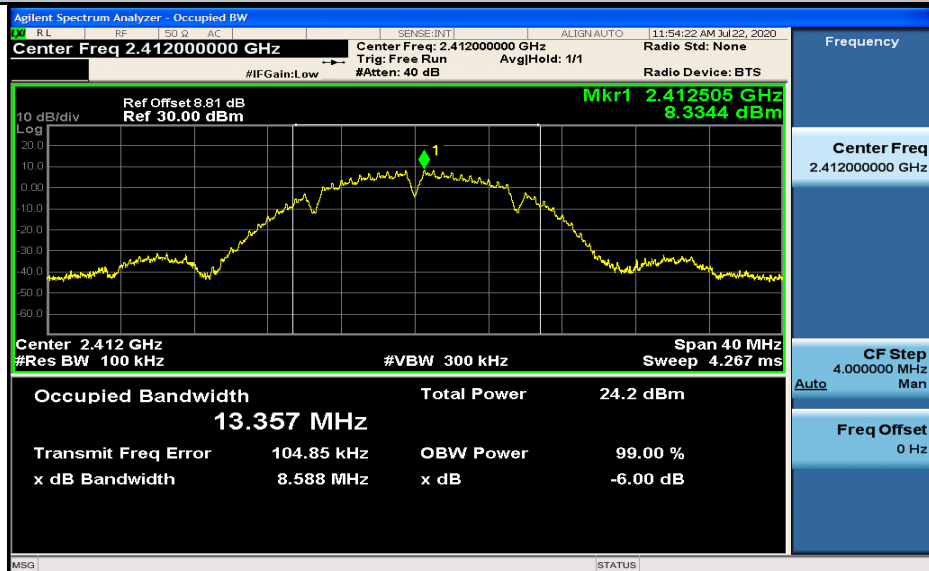


Appendix A for SHEM200700581801

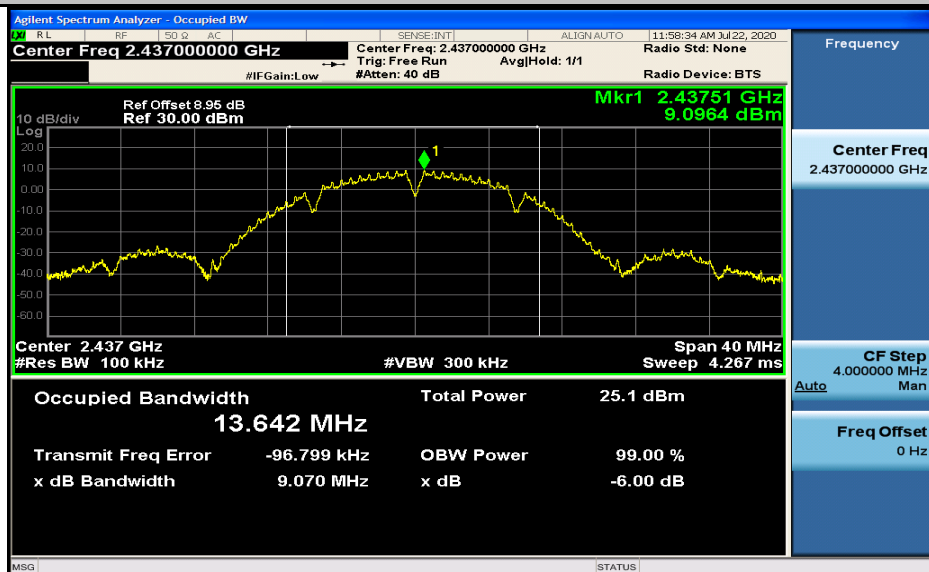
1.6dB Bandwidth

| Test Mode | Test Channel | Ant  | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|-------|---------|
| 11B       | 2412         | Ant1 | 8.59     | 0.5   | PASS    |
| 11B       | 2437         | Ant1 | 9.07     | 0.5   | PASS    |
| 11B       | 2462         | Ant1 | 9.07     | 0.5   | PASS    |
| 11G       | 2412         | Ant1 | 16.51    | 0.5   | PASS    |
| 11G       | 2437         | Ant1 | 16.56    | 0.5   | PASS    |
| 11G       | 2462         | Ant1 | 16.55    | 0.5   | PASS    |
| 11N20SISO | 2412         | Ant1 | 17.75    | 0.5   | PASS    |
| 11N20SISO | 2437         | Ant1 | 17.71    | 0.5   | PASS    |
| 11N20SISO | 2462         | Ant1 | 17.74    | 0.5   | PASS    |

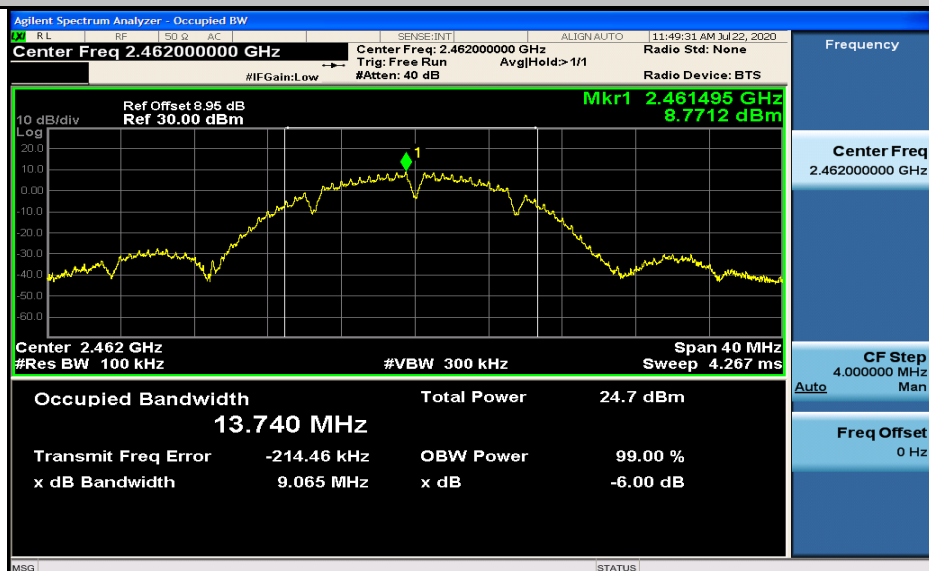
6dB Bandwidth\_11B\_2412\_Ant1



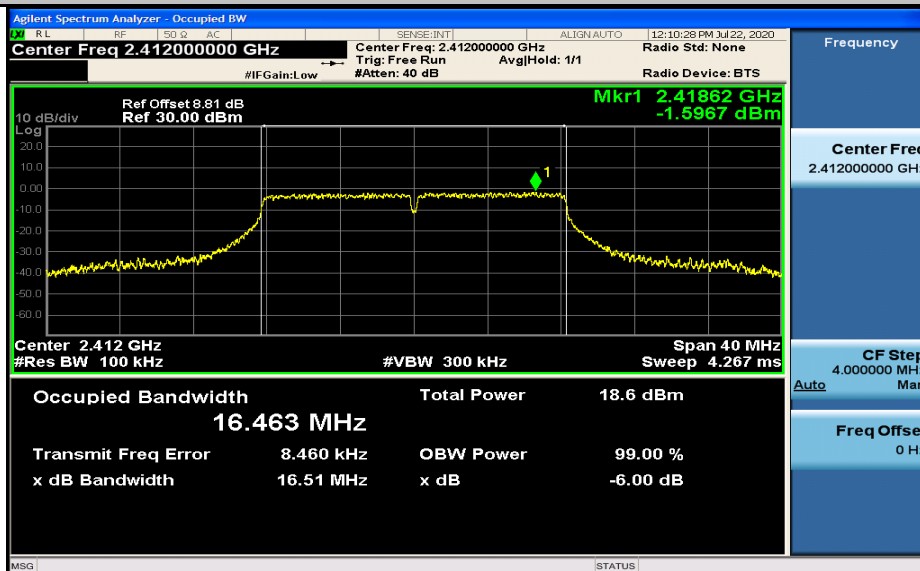
6dB Bandwidth\_11B\_2437\_Ant1



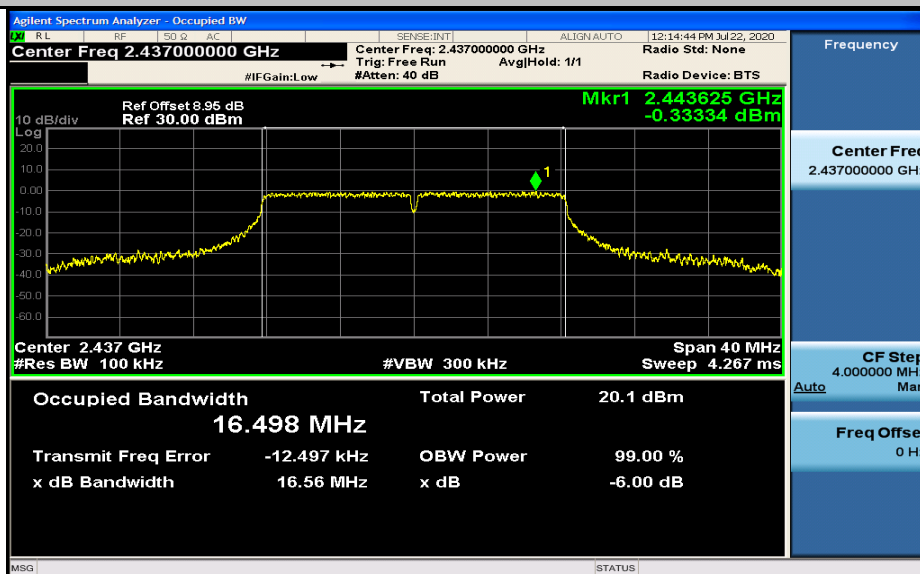
6dB Bandwidth\_11B\_2462\_Ant1



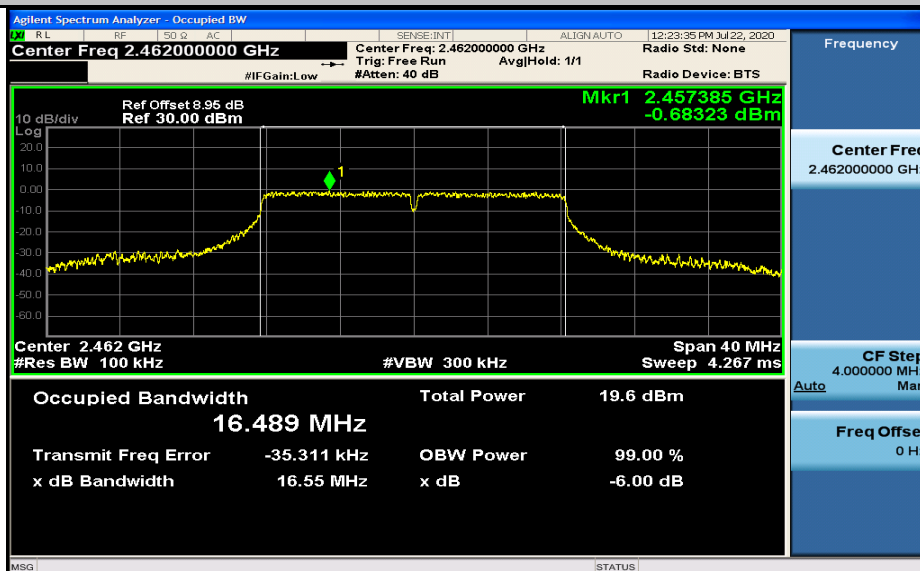
### 6dB Bandwidth\_11G\_2412\_Ant1



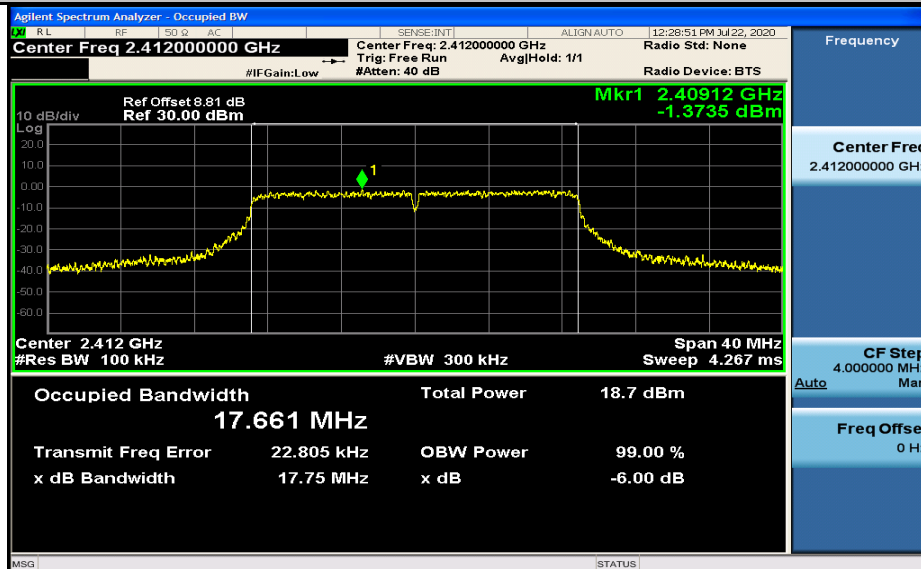
### 6dB Bandwidth\_11G\_2437\_Ant1



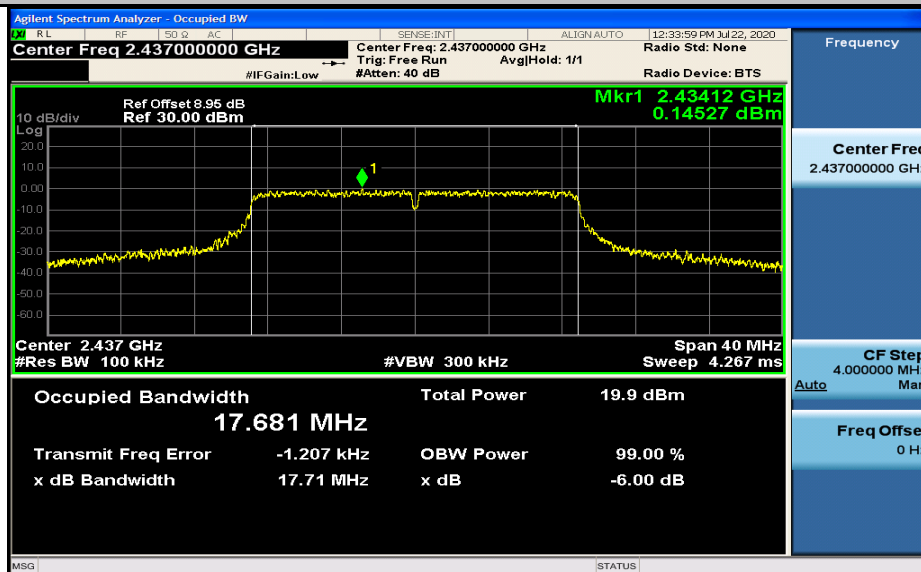
### 6dB Bandwidth\_11G\_2462\_Ant1



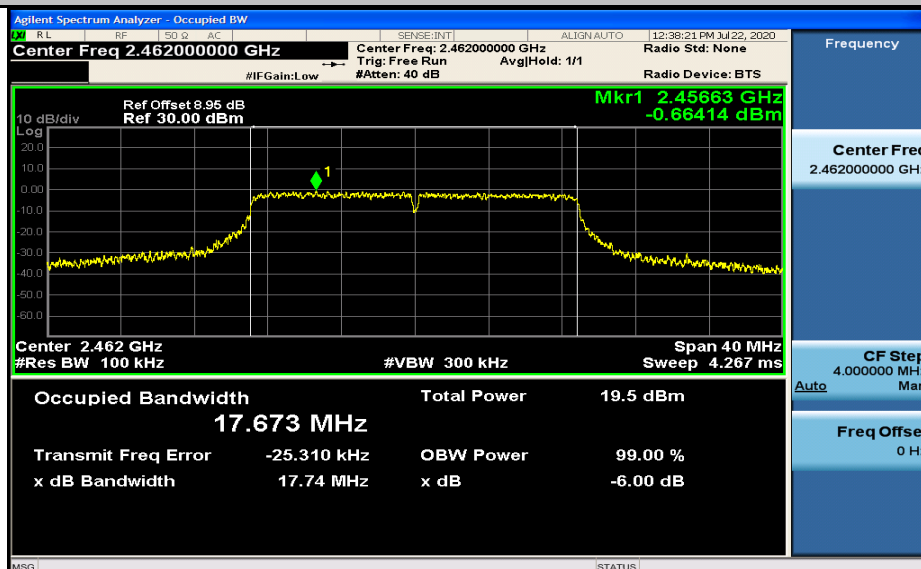
6dB Bandwidth\_11N20SISO\_2412\_Ant1



6dB Bandwidth\_11N20SISO\_2437\_Ant1



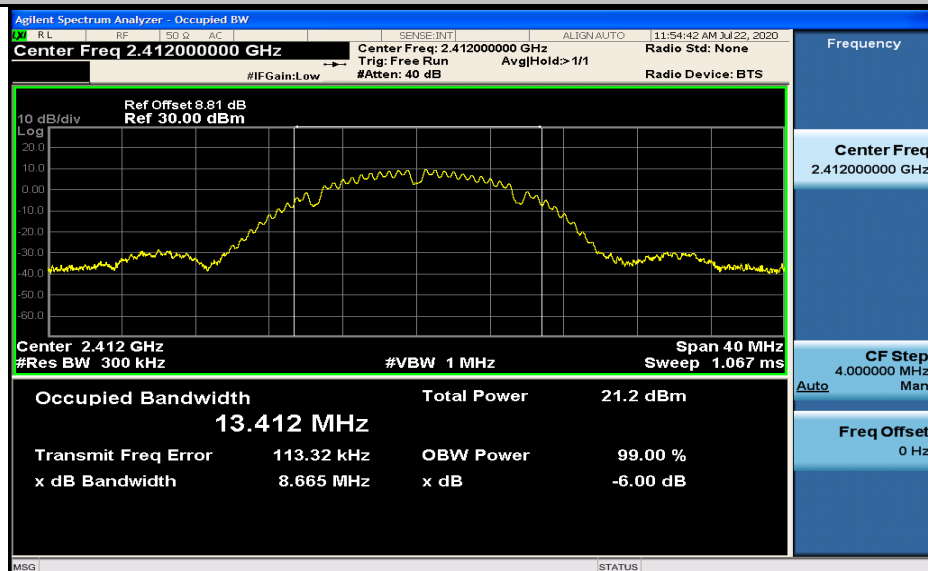
6dB Bandwidth\_11N20SISO\_2462\_Ant1



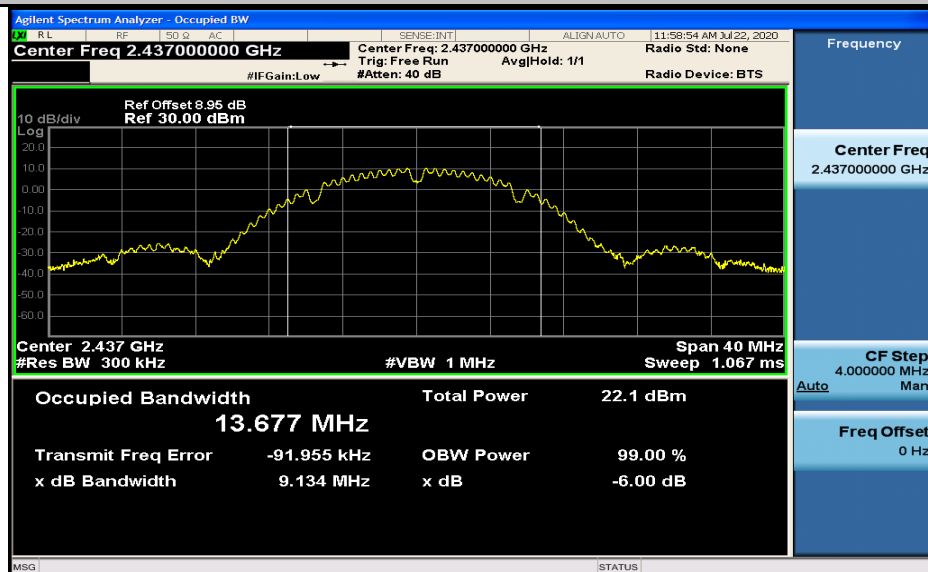
## 2.Occupied Bandwidth

| Test Mode | Test Channel | Ant  | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|------|----------|------------|---------|
| 11B       | 2412         | Ant1 | 13.41    | ---        | PASS    |
| 11B       | 2437         | Ant1 | 13.68    | ---        | PASS    |
| 11B       | 2462         | Ant1 | 13.75    | ---        | PASS    |
| 11G       | 2412         | Ant1 | 16.82    | ---        | PASS    |
| 11G       | 2437         | Ant1 | 16.86    | ---        | PASS    |
| 11G       | 2462         | Ant1 | 16.85    | ---        | PASS    |
| 11N20SISO | 2412         | Ant1 | 17.86    | ---        | PASS    |
| 11N20SISO | 2437         | Ant1 | 17.92    | ---        | PASS    |
| 11N20SISO | 2462         | Ant1 | 17.89    | ---        | PASS    |

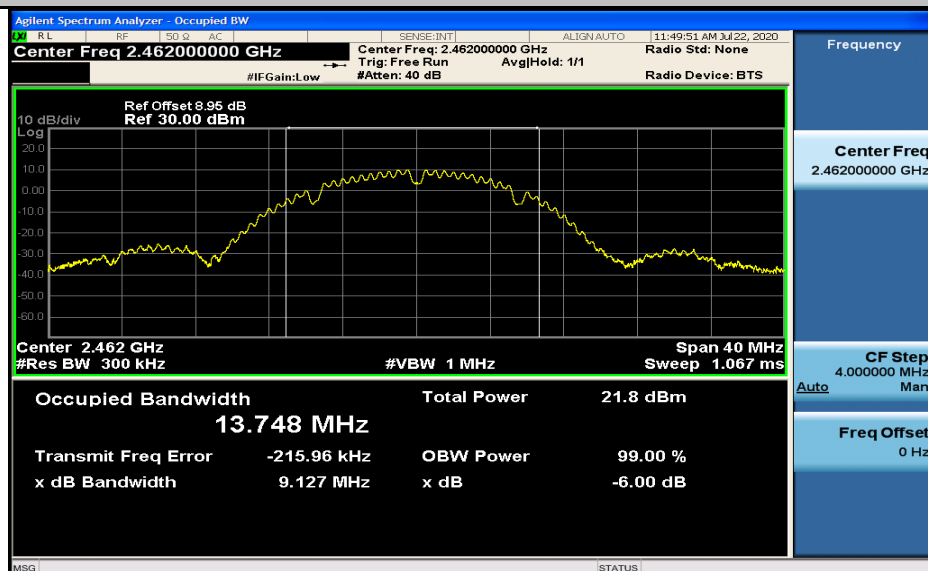
### Occupied Bandwidth\_11B\_2412



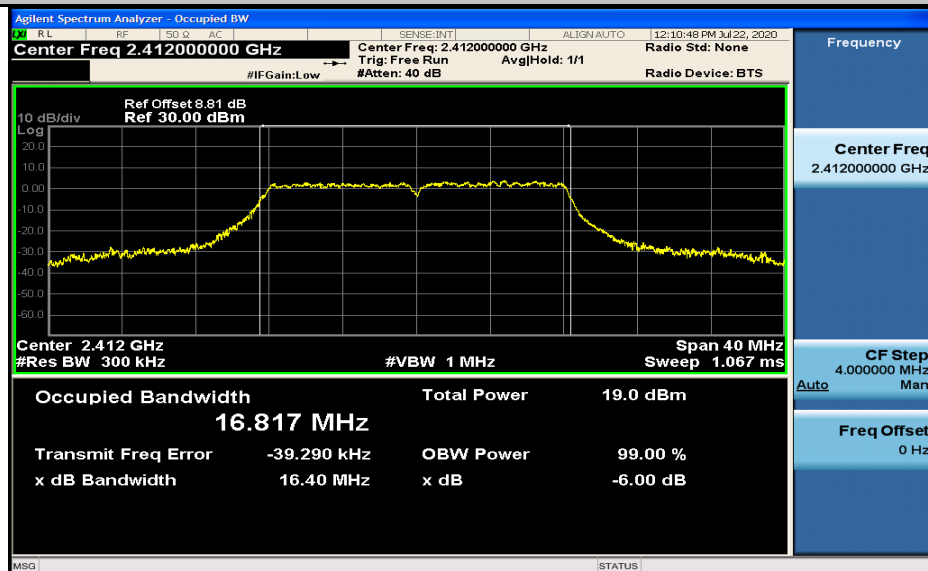
### Occupied Bandwidth\_11B\_2437



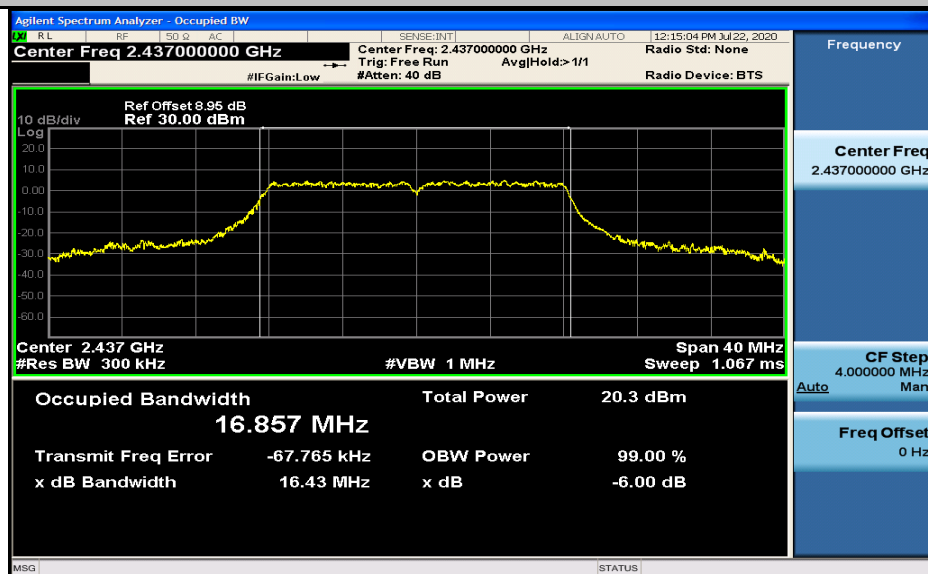
### Occupied Bandwidth\_11B\_2462



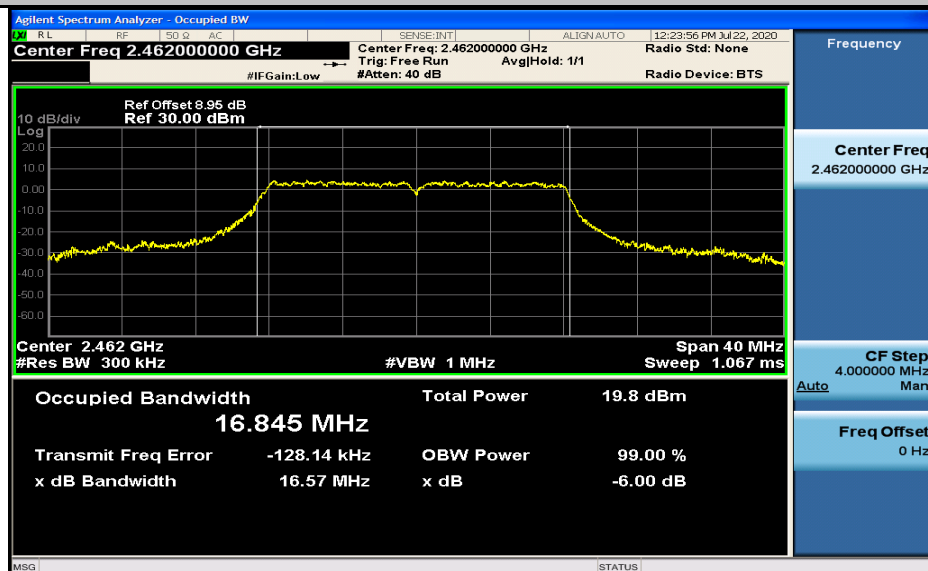
### Occupied Bandwidth\_11G\_2412



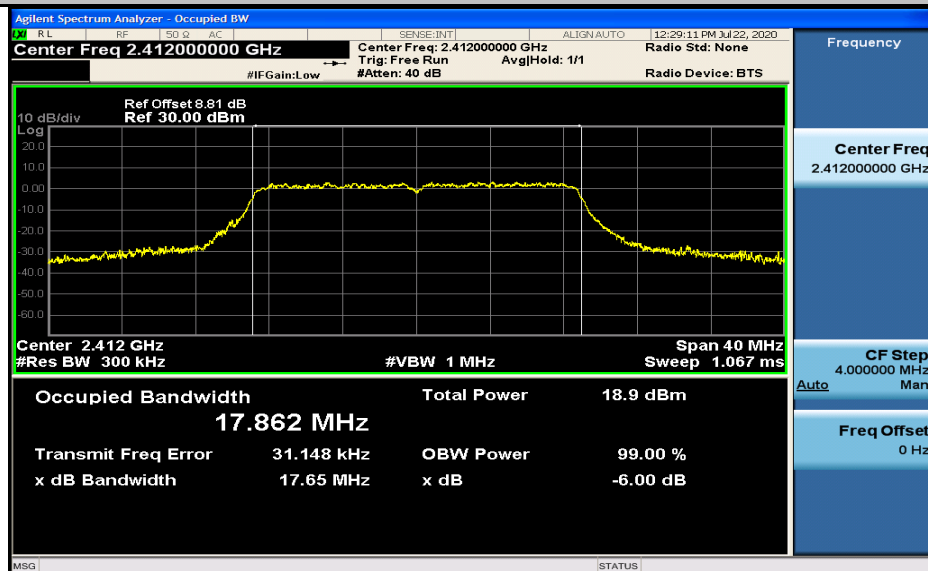
### Occupied Bandwidth\_11G\_2437



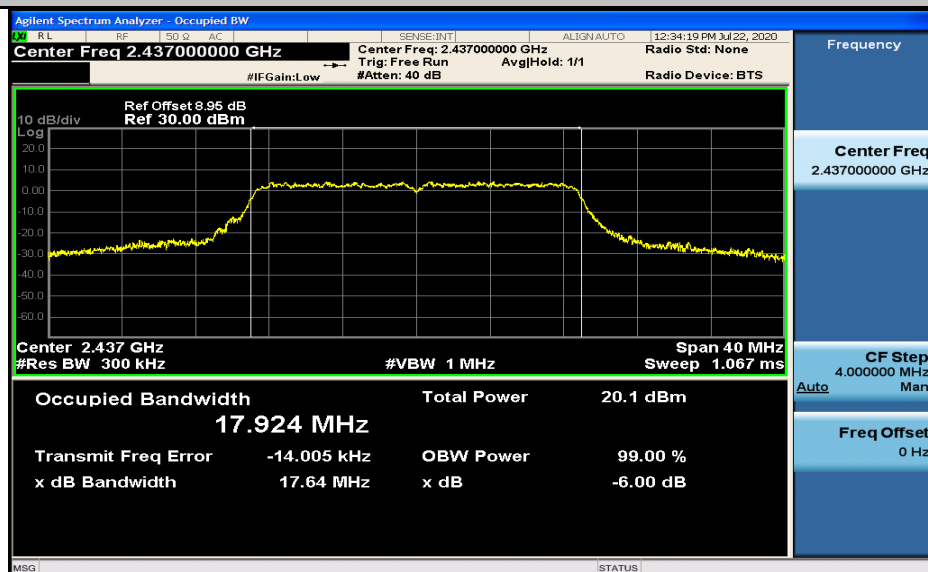
### Occupied Bandwidth\_11G\_2462



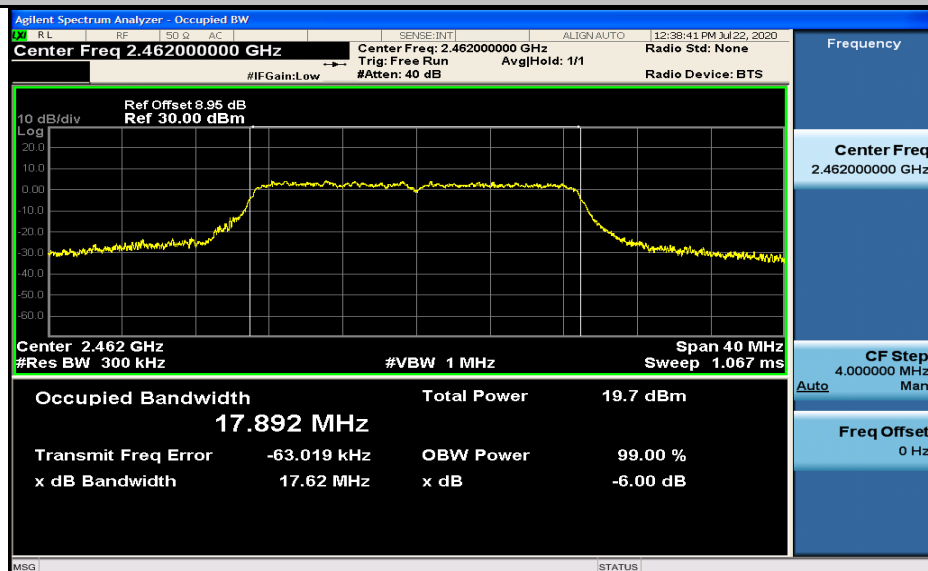
### Occupied Bandwidth\_11N20SISO\_2412



### Occupied Bandwidth\_11N20SISO\_2437



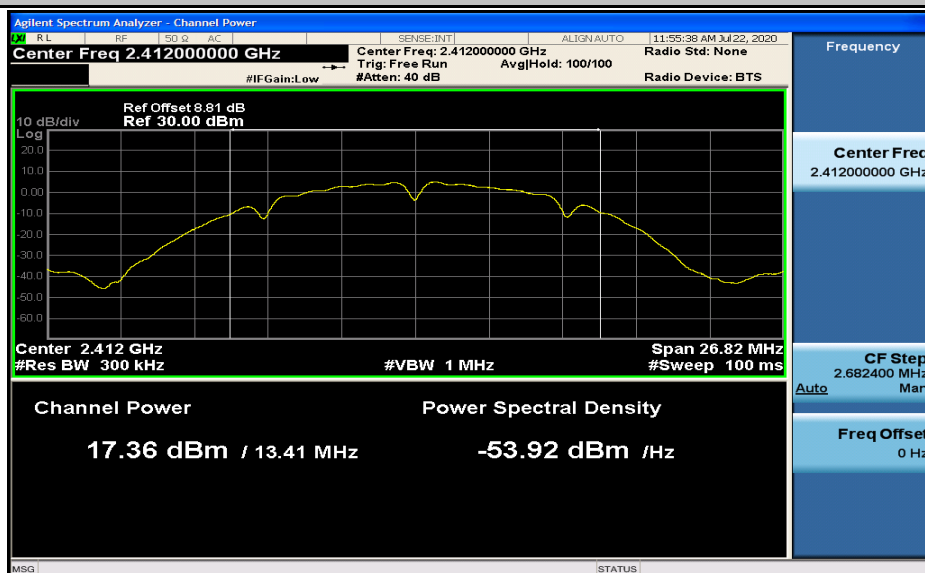
### Occupied Bandwidth\_11N20SISO\_2462



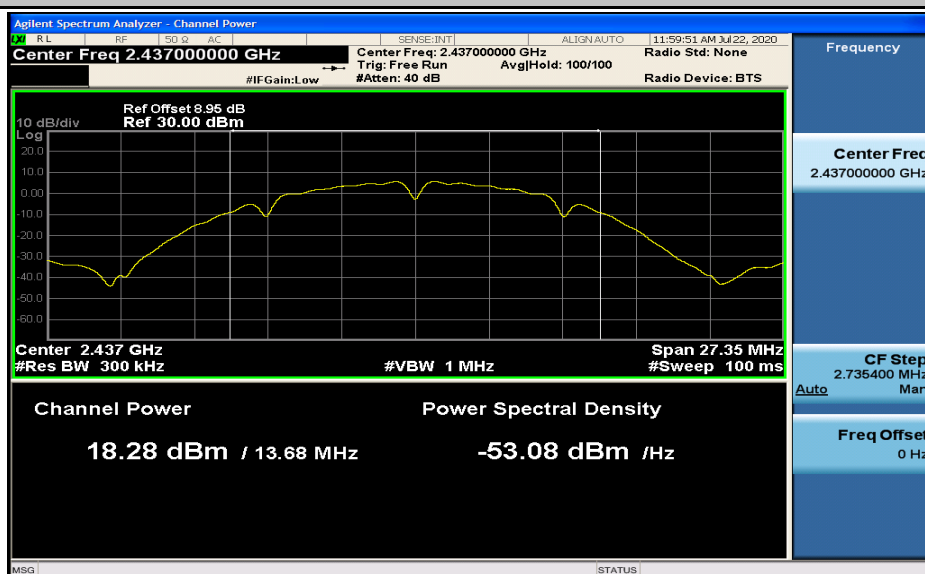
### 3.Maximum conducted (average) output power

| Test Mode | Test Channel | Ant  | Level [dBm] | 10log(1/x) Factor[dB] | Power [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|-------------|-----------------------|-------------|-------------|---------|
| 11B       | 2412         | Ant1 | 17.36       | 0.00                  | 17.36       | 30          | PASS    |
| 11B       | 2437         | Ant1 | 18.28       | 0.00                  | 18.28       | 30          | PASS    |
| 11B       | 2462         | Ant1 | 17.98       | 0.00                  | 17.98       | 30          | PASS    |
| 11G       | 2412         | Ant1 | 12.71       | 0.00                  | 12.71       | 30          | PASS    |
| 11G       | 2437         | Ant1 | 13.93       | 0.00                  | 13.93       | 30          | PASS    |
| 11G       | 2462         | Ant1 | 13.5        | 0.00                  | 13.50       | 30          | PASS    |
| 11N20SISO | 2412         | Ant1 | 12.63       | 0.00                  | 12.63       | 30          | PASS    |
| 11N20SISO | 2437         | Ant1 | 13.85       | 0.00                  | 13.85       | 30          | PASS    |
| 11N20SISO | 2462         | Ant1 | 13.39       | 0.00                  | 13.39       | 30          | PASS    |

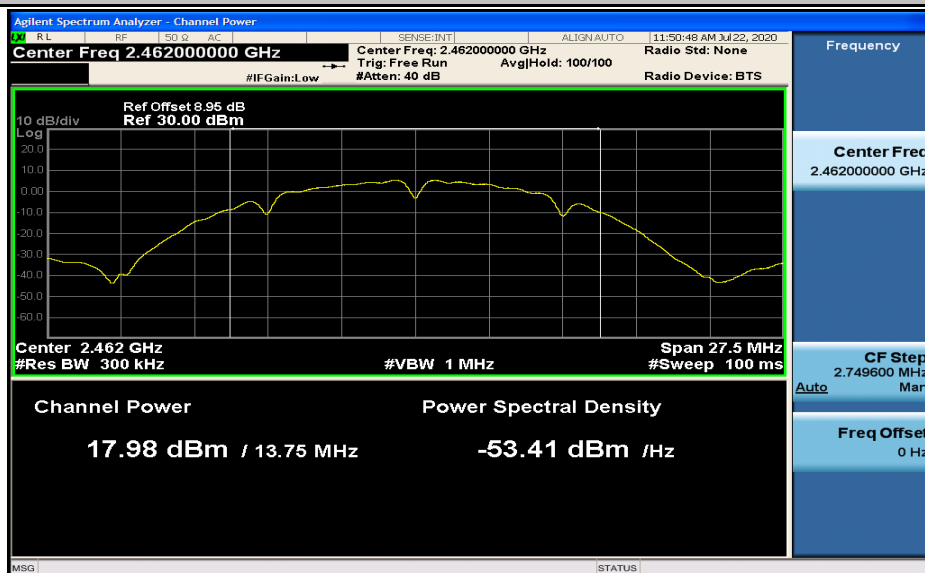
Maximum conducted (average) output power\_11B\_2412\_Ant1



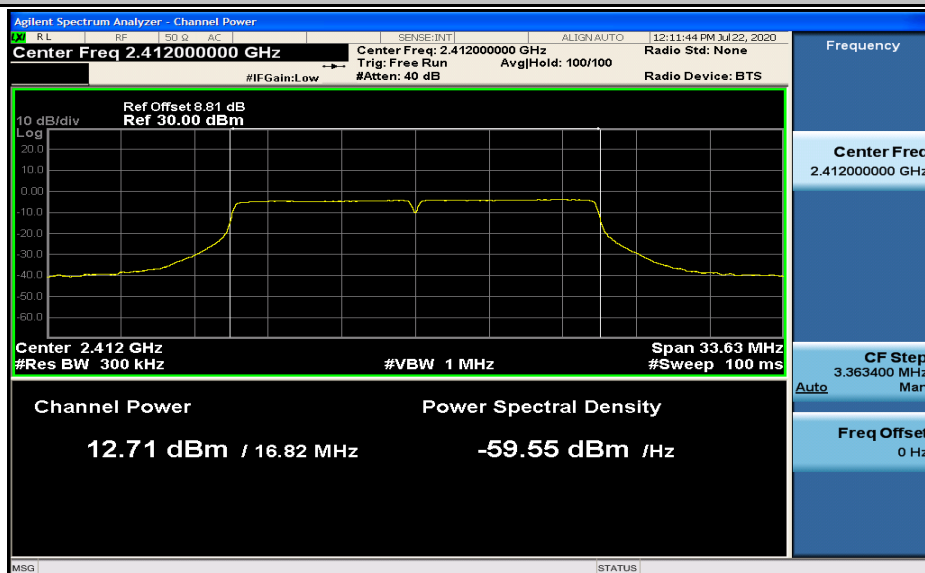
Maximum conducted (average) output power\_11B\_2437\_Ant1



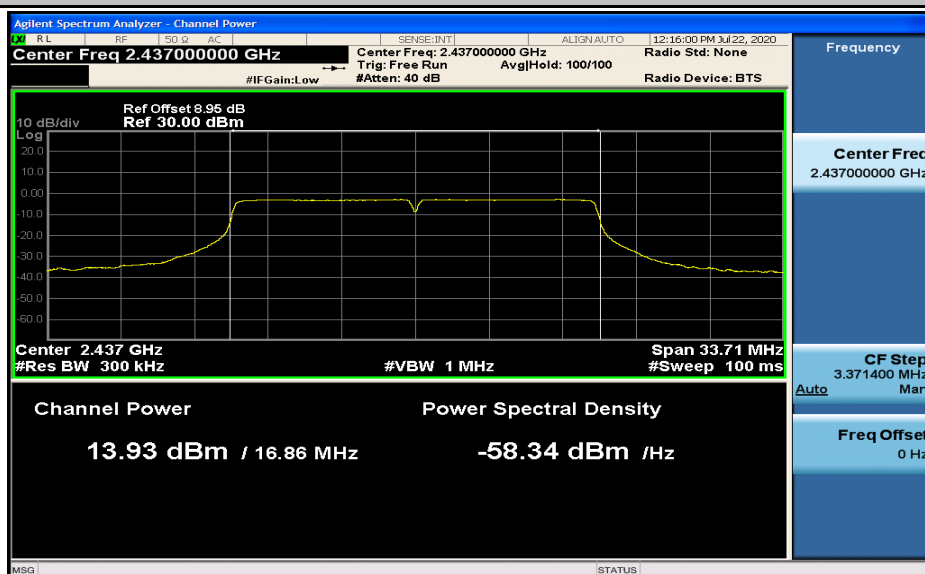
Maximum conducted (average) output power\_11B\_2462\_Ant1



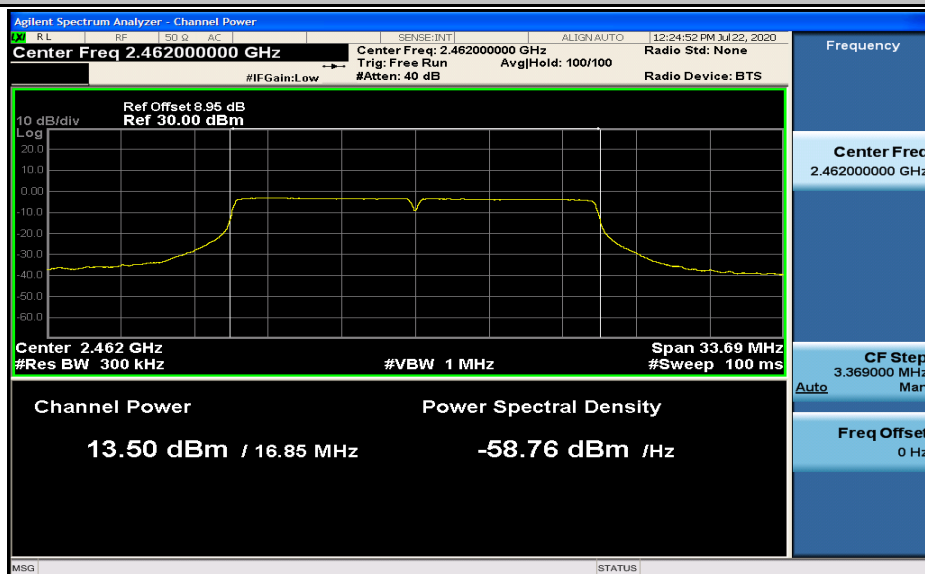
Maximum conducted (average) output power\_11G\_2412\_Ant1



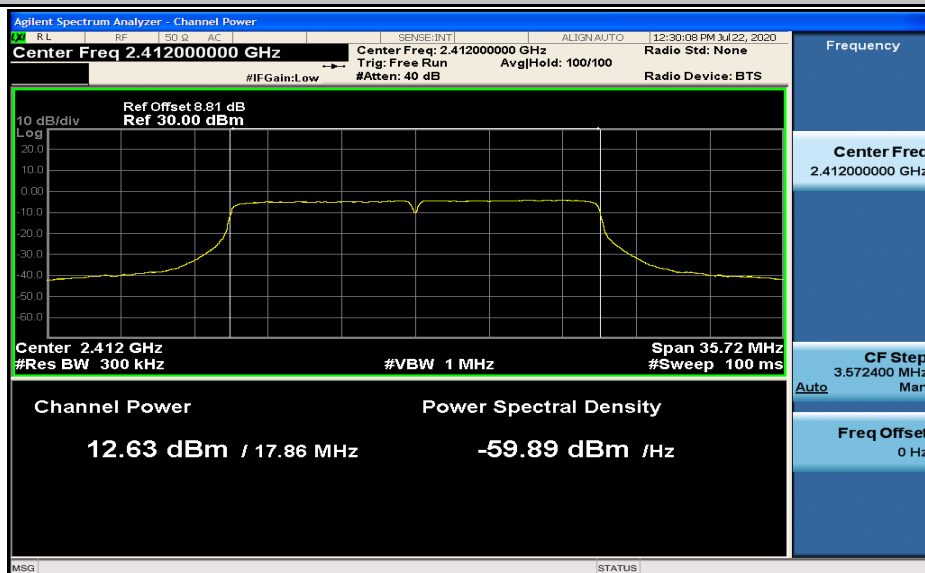
Maximum conducted (average) output power\_11G\_2437\_Ant1



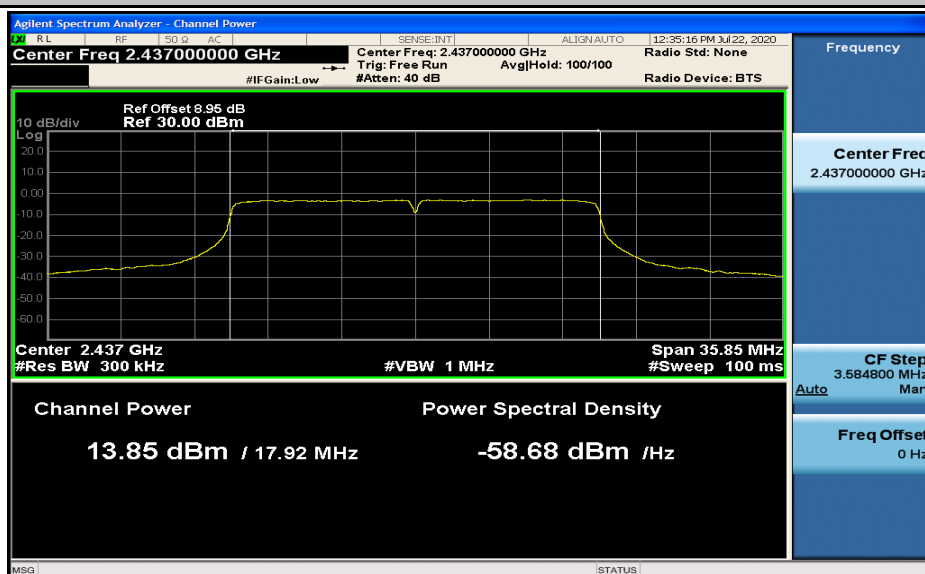
Maximum conducted (average) output power\_11G\_2462\_Ant1



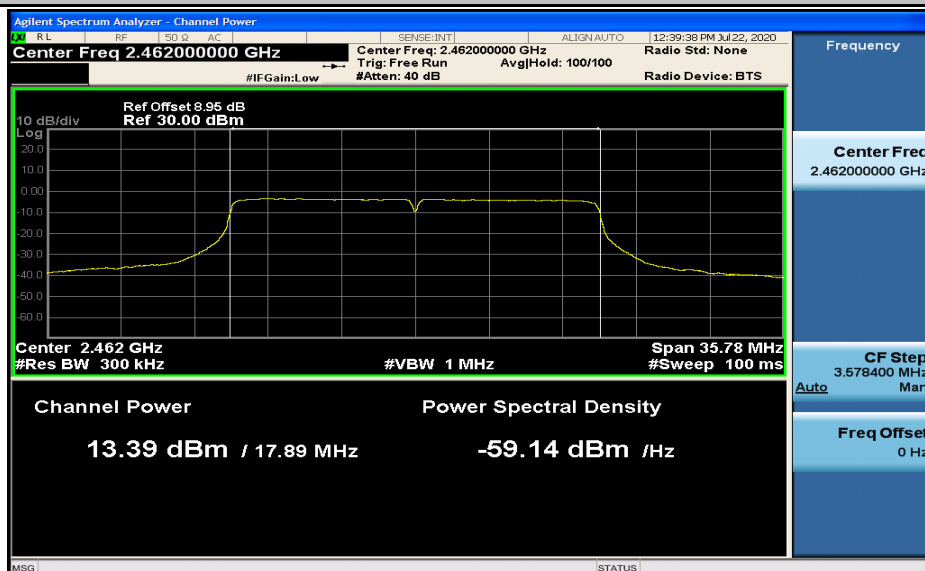
Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



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



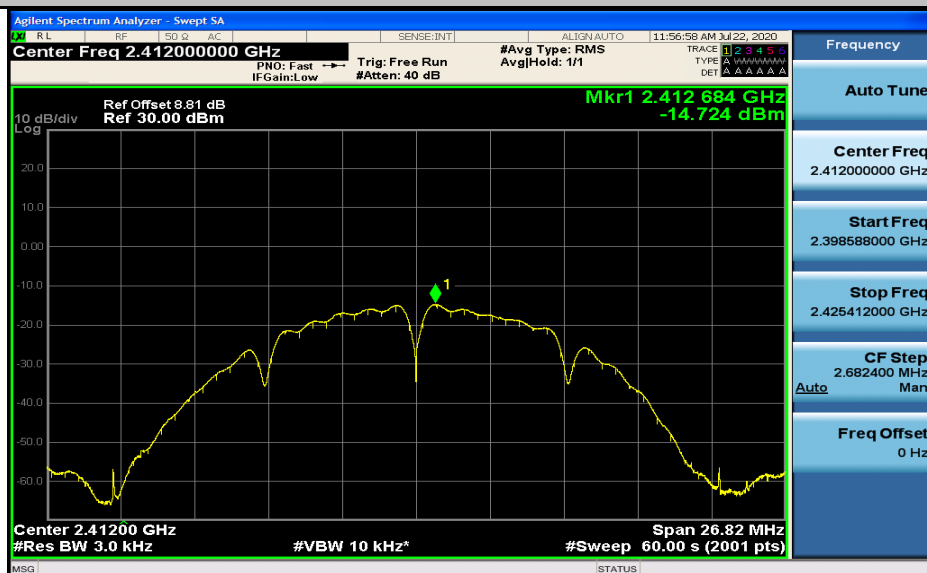
Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1



#### 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 | -14.72           | 0.00                  | -14.72        | 8.00            | PASS    |
| 11B       | 2437         | Ant1 | -13.94           | 0.00                  | -13.94        | 8.00            | PASS    |
| 11B       | 2462         | Ant1 | -14.24           | 0.00                  | -14.24        | 8.00            | PASS    |
| 11G       | 2412         | Ant1 | -21.78           | 0.00                  | -21.78        | 8.00            | PASS    |
| 11G       | 2437         | Ant1 | -20.87           | 0.00                  | -20.87        | 8.00            | PASS    |
| 11G       | 2462         | Ant1 | -20.82           | 0.00                  | -20.82        | 8.00            | PASS    |
| 11N20SISO | 2412         | Ant1 | -22.19           | 0.00                  | -22.19        | 8.00            | PASS    |
| 11N20SISO | 2437         | Ant1 | -20.98           | 0.00                  | -20.98        | 8.00            | PASS    |
| 11N20SISO | 2462         | Ant1 | -21.49           | 0.00                  | -21.49        | 8.00            | PASS    |

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



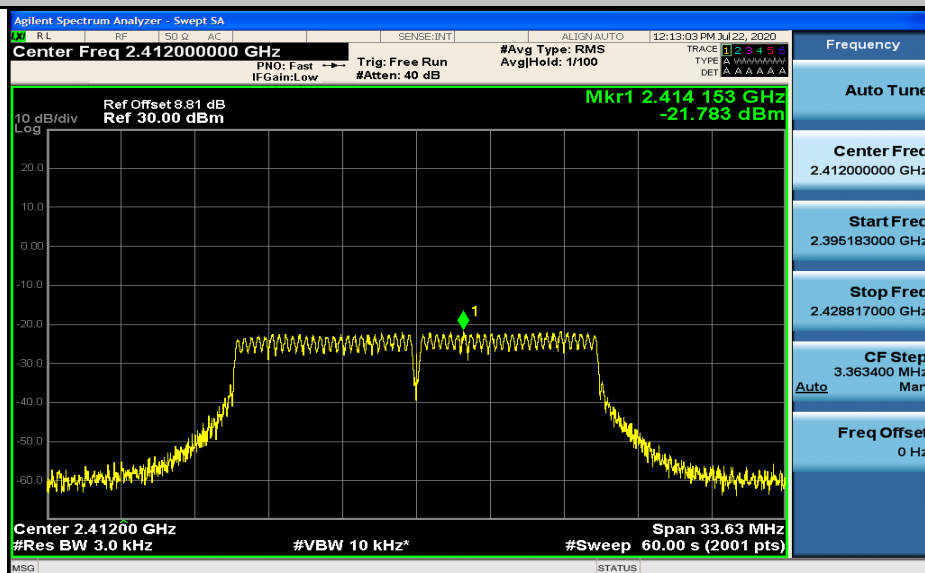
Maximum(average) power spectral density\_11B\_2437\_Ant1



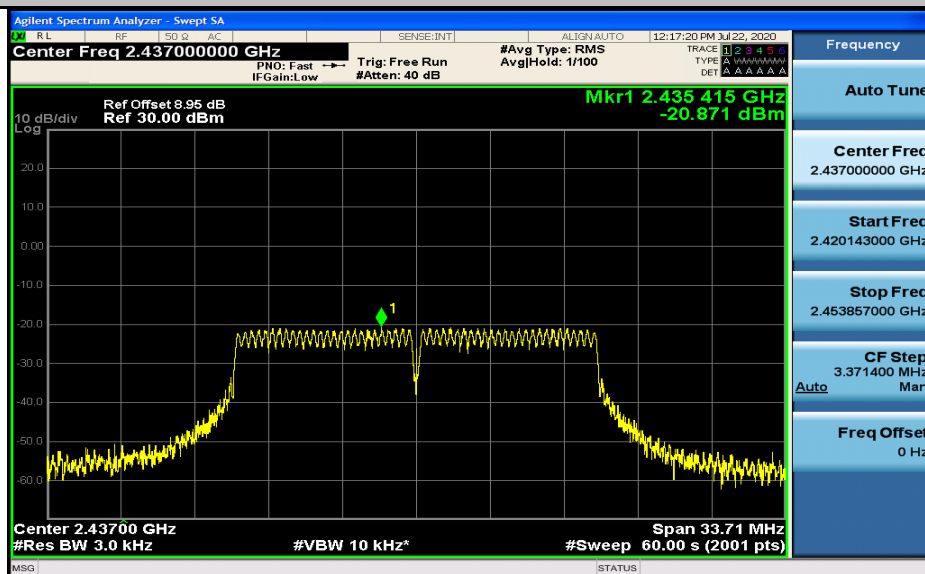
Maximum(average) power spectral density\_11B\_2462\_Ant1



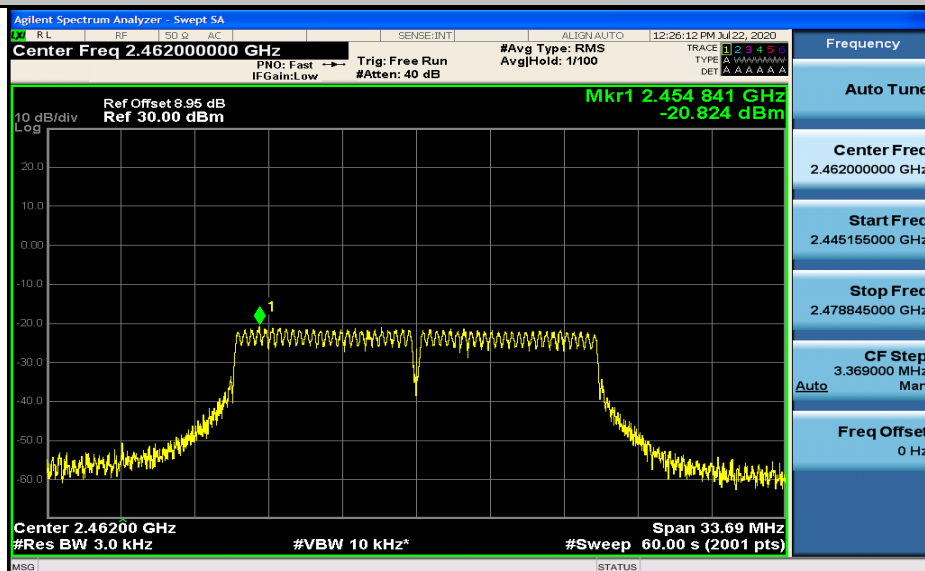
Maximum(average) power spectral density\_11G\_2412\_Ant1



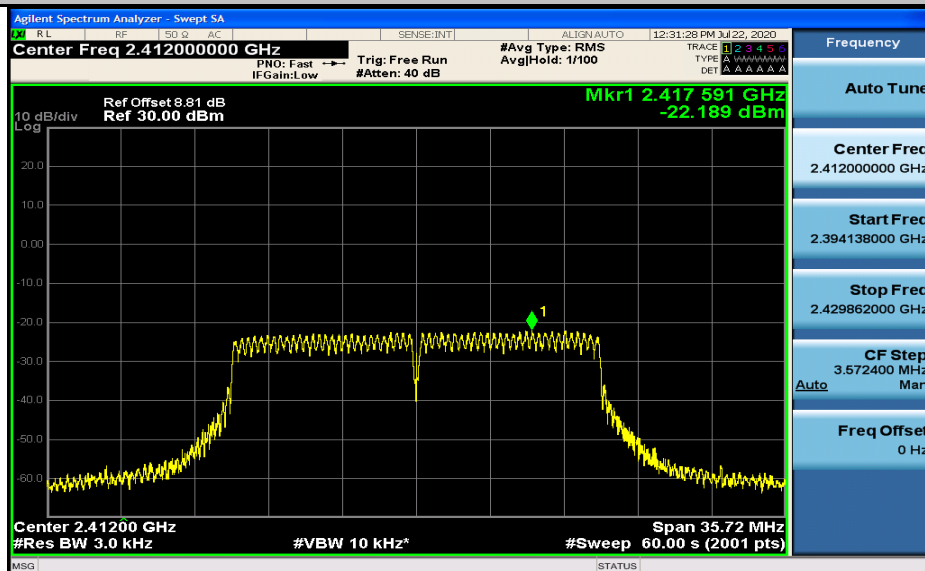
Maximum(average) power spectral density\_11G\_2437\_Ant1



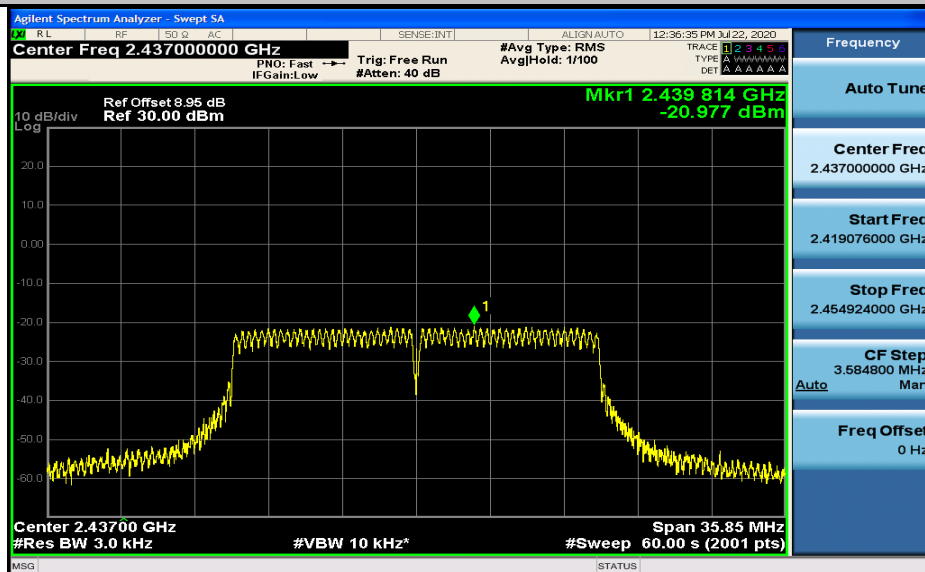
Maximum(average) power spectral density\_11G\_2462\_Ant1



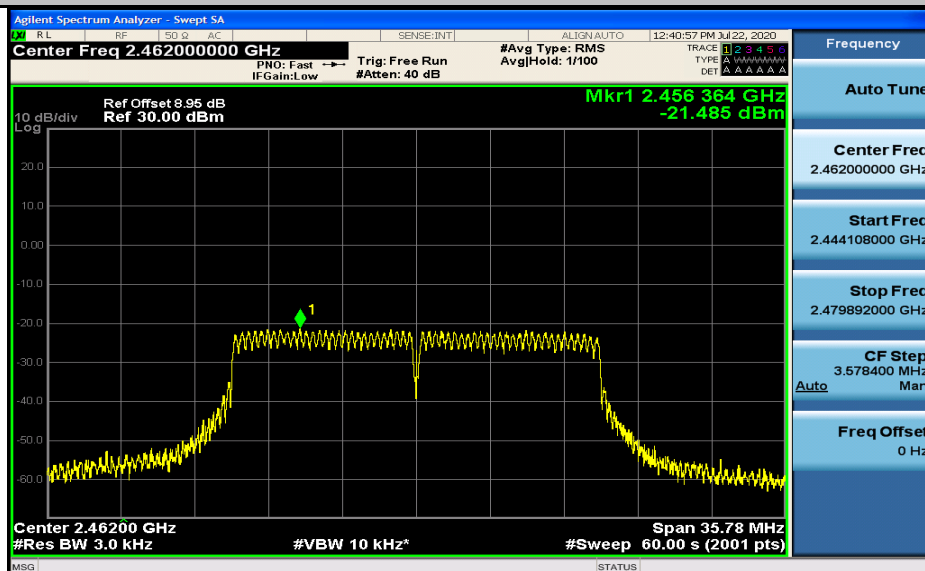
Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



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



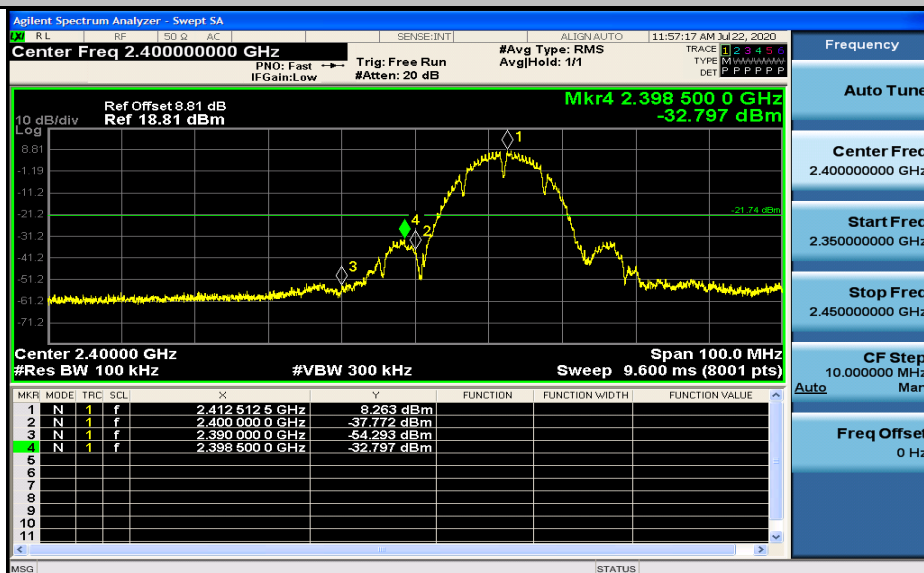
Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1



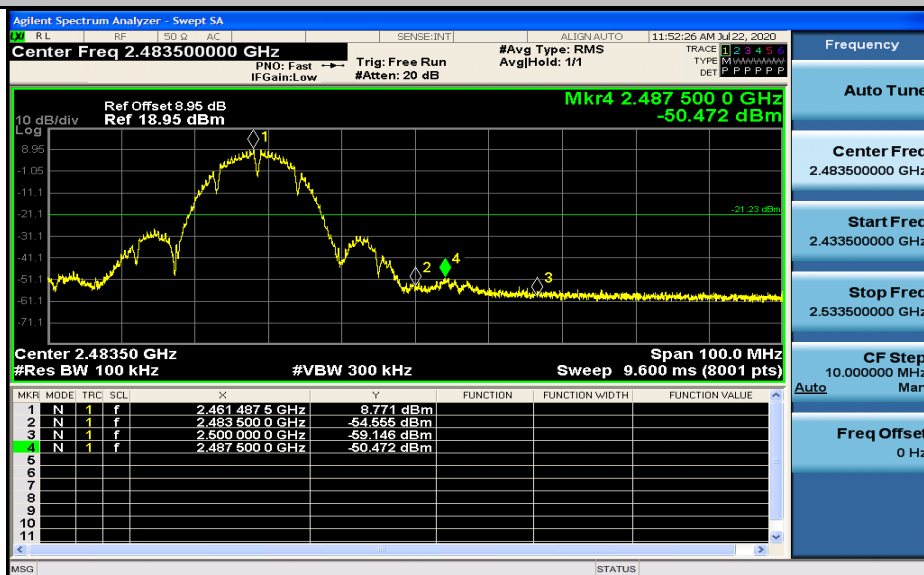
**5.Band-edge for RF Conducted Emissions**

| Test Mode | Test Channel | Ant  | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|--------------------|---------------------------|-------------|---------|
| 11B       | 2412         | Ant1 | 8.26               | -32.80                    | -21.74      | PASS    |
| 11B       | 2462         | Ant1 | 8.77               | -50.47                    | -21.23      | PASS    |
| 11G       | 2412         | Ant1 | -1.52              | -32.31                    | -31.52      | PASS    |
| 11G       | 2462         | Ant1 | -0.73              | -45.99                    | -30.73      | PASS    |
| 11N20SISO | 2412         | Ant1 | -1.40              | -33.42                    | -31.40      | PASS    |
| 11N20SISO | 2462         | Ant1 | -0.58              | -41.78                    | -30.58      | PASS    |

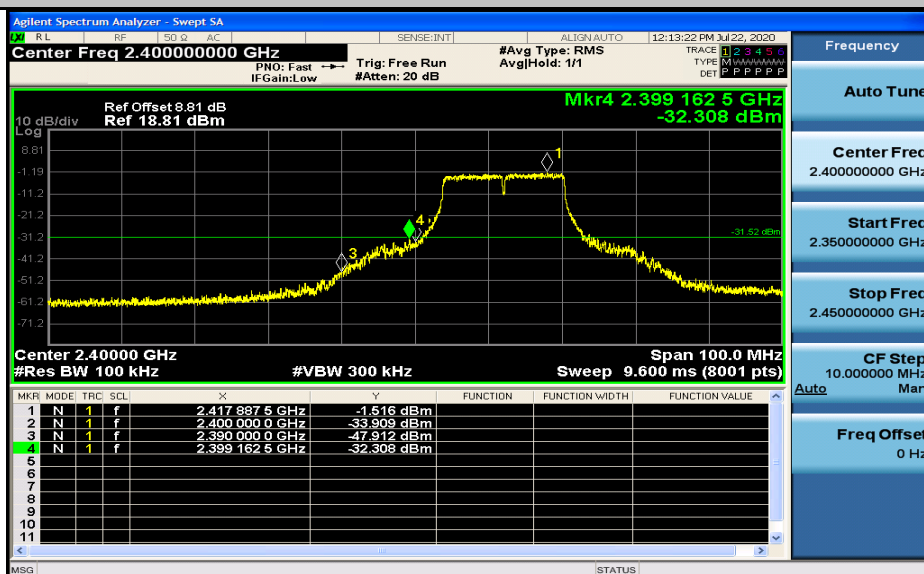
### Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



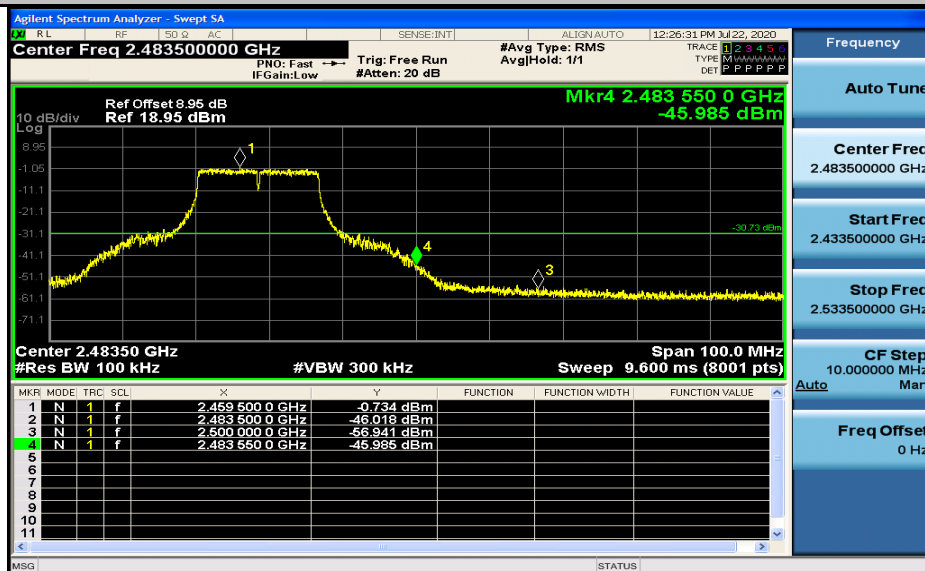
### Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



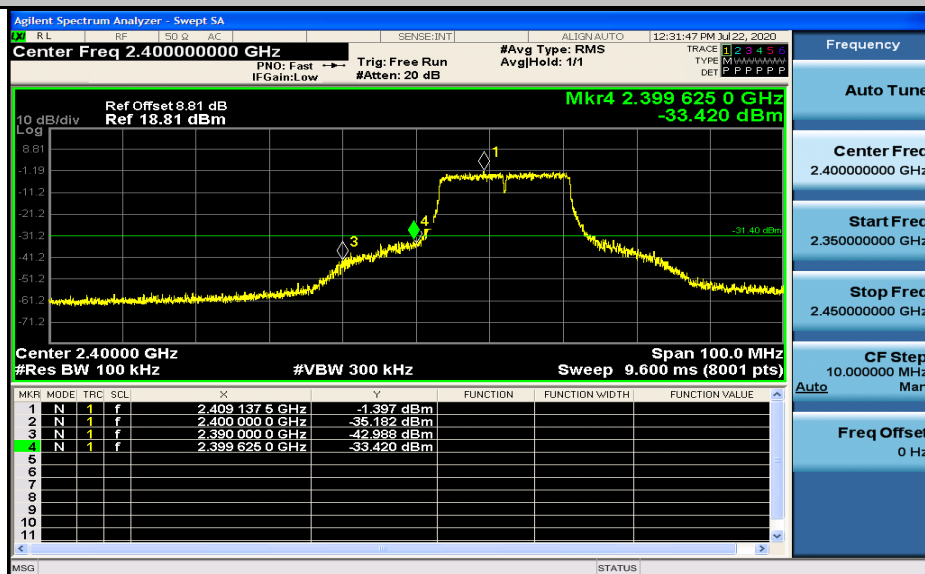
### Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



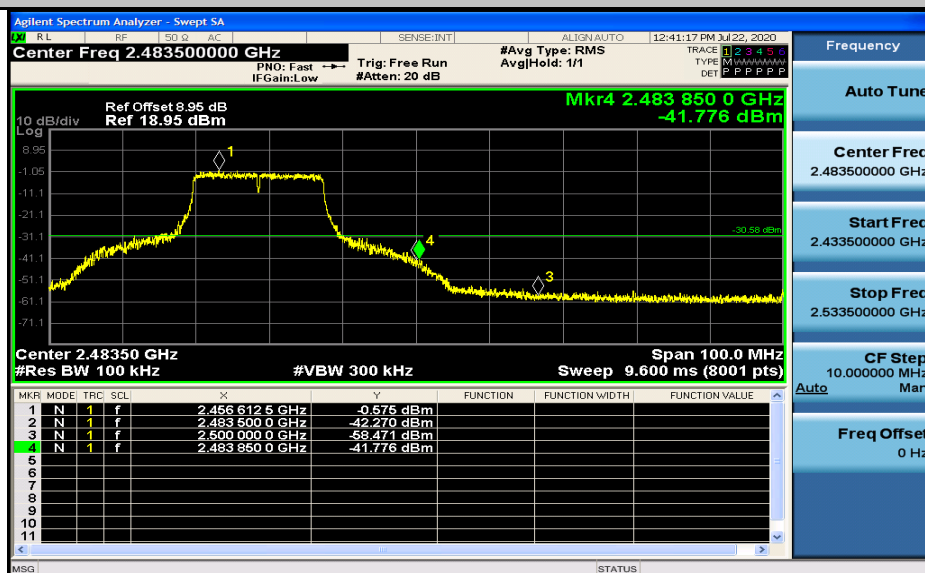
Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



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



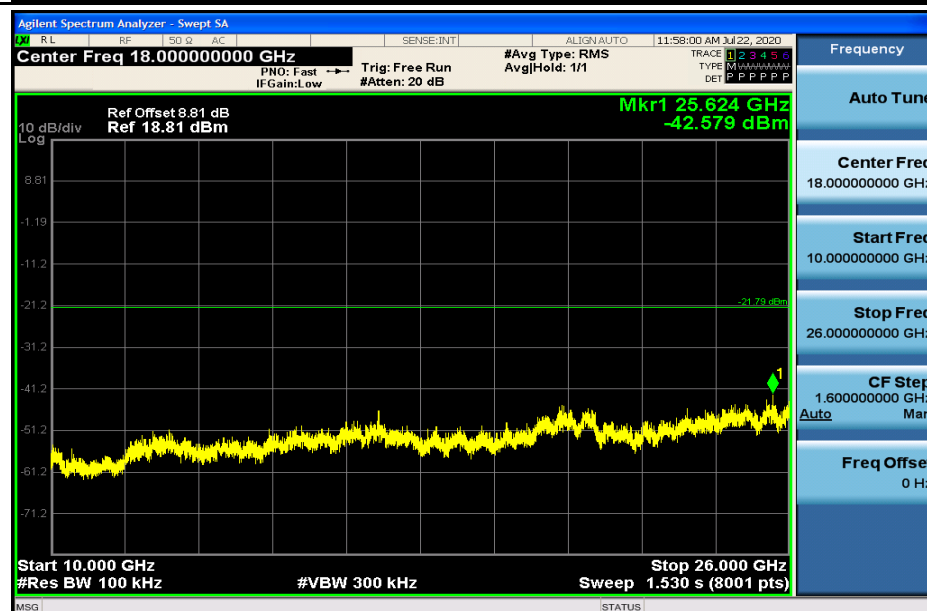
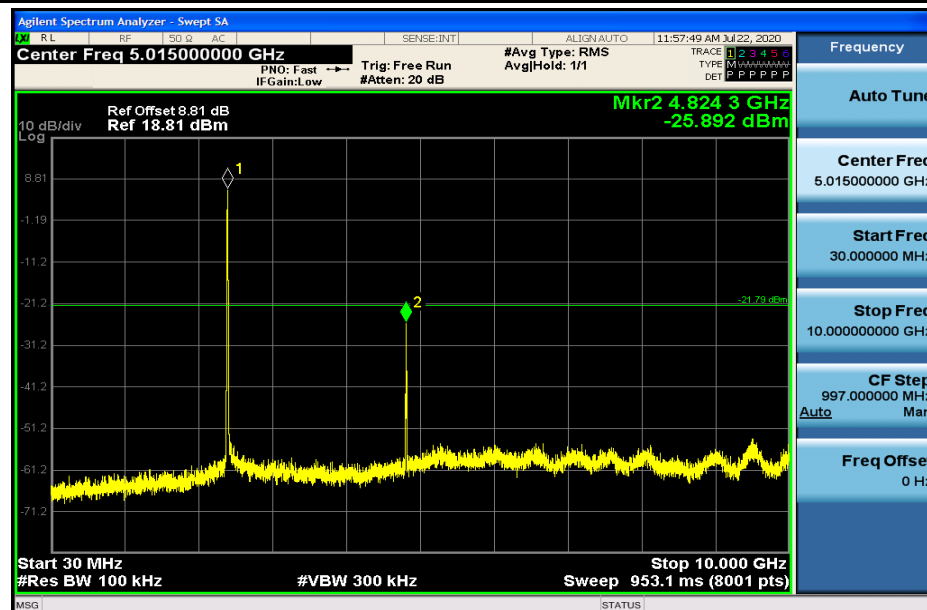
Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1



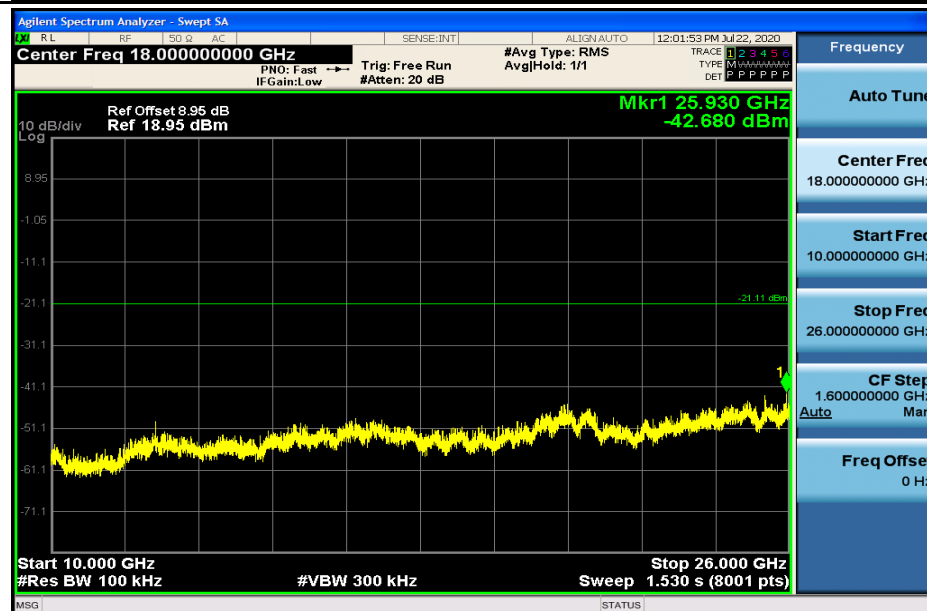
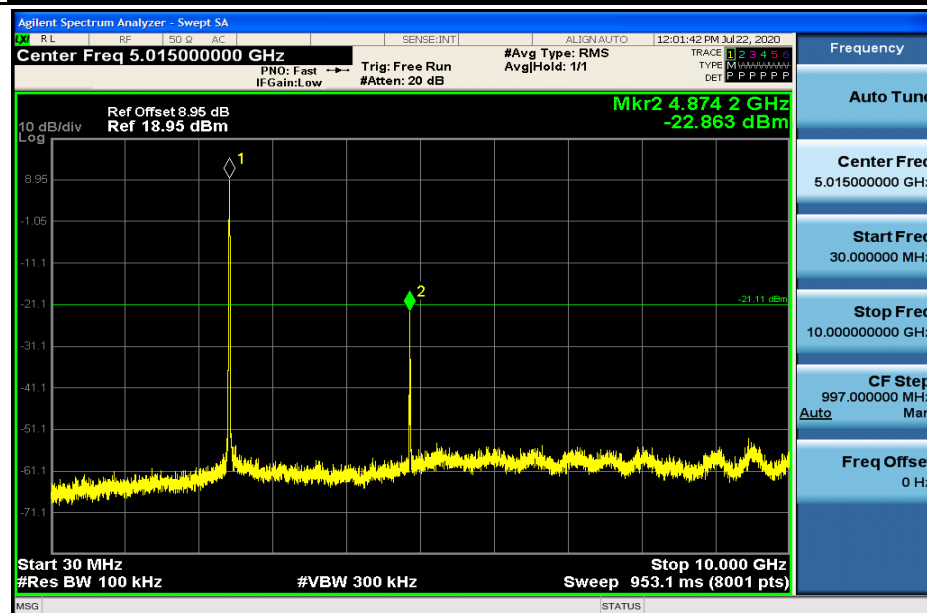
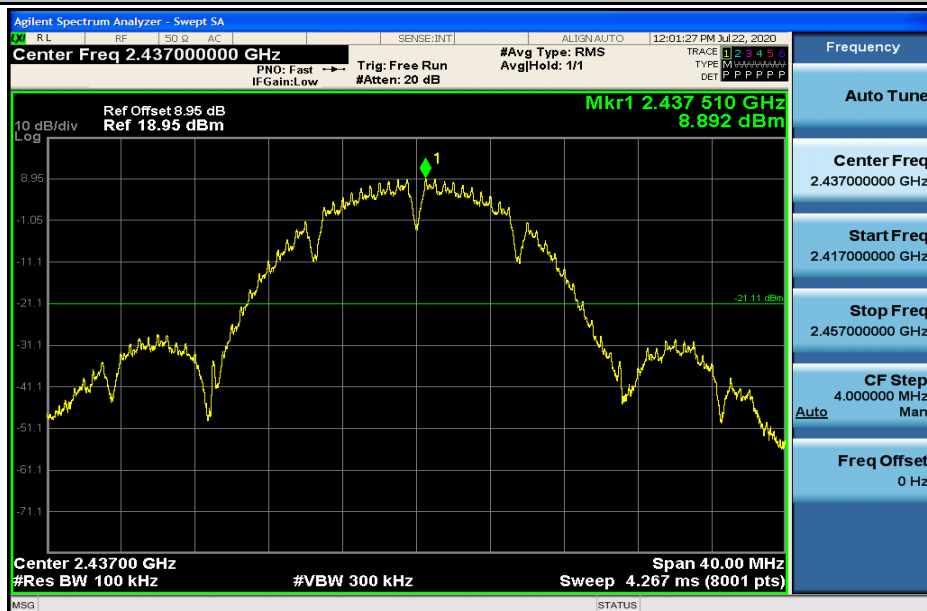
## 6.RF Conducted Spurious Emissions

| 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       | 8.21      | -25.89           | <-<br>21.79  | PASS    |
| 11B       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | 8.213     | -42.579          | <-<br>21.787 | PASS    |
| 11B       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 8.89      | -22.86           | <-<br>21.11  | PASS    |
| 11B       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 8.892     | -42.680          | <-<br>21.108 | PASS    |
| 11B       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 8.70      | -21.66           | <-<br>21.30  | PASS    |
| 11B       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 8.702     | -43.868          | <-<br>21.298 | PASS    |
| 11G       | 2412         | Ant1 | 30             | 10000         | 100       | 300       | -1.45     | -42.23           | <-<br>31.45  | PASS    |
| 11G       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | -1.453    | -44.790          | <-<br>31.453 | PASS    |
| 11G       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -0.44     | -42.78           | <-<br>30.44  | PASS    |
| 11G       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -0.436    | -42.917          | <-<br>30.436 | PASS    |
| 11G       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | -0.83     | -39.10           | <-<br>30.83  | PASS    |
| 11G       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | -0.834    | -44.345          | <-<br>30.834 | PASS    |
| 11N20SISO | 2412         | Ant1 | 30             | 10000         | 100       | 300       | -1.53     | -45.71           | <-<br>31.53  | PASS    |
| 11N20SISO | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | -1.525    | -44.574          | <-<br>31.525 | PASS    |
| 11N20SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -0.10     | -41.76           | <-<br>30.10  | PASS    |
| 11N20SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -0.101    | -42.597          | <-<br>30.101 | PASS    |
| 11N20SISO | 2462         | Ant1 | 30             | 10000         | 100       | 300       | -0.57     | -39.96           | <-<br>30.57  | PASS    |
| 11N20SISO | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | -0.574    | -44.464          | <-<br>30.574 | PASS    |

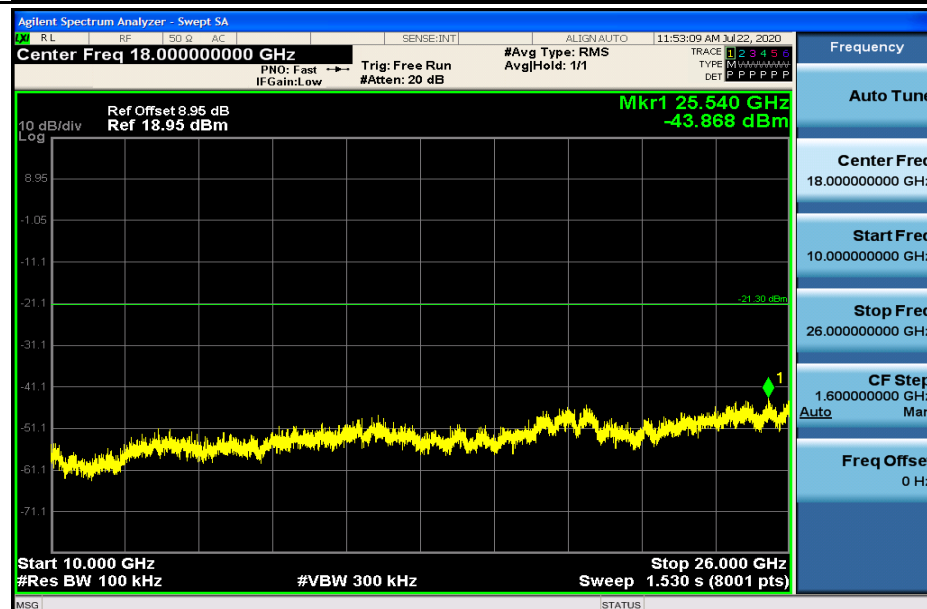
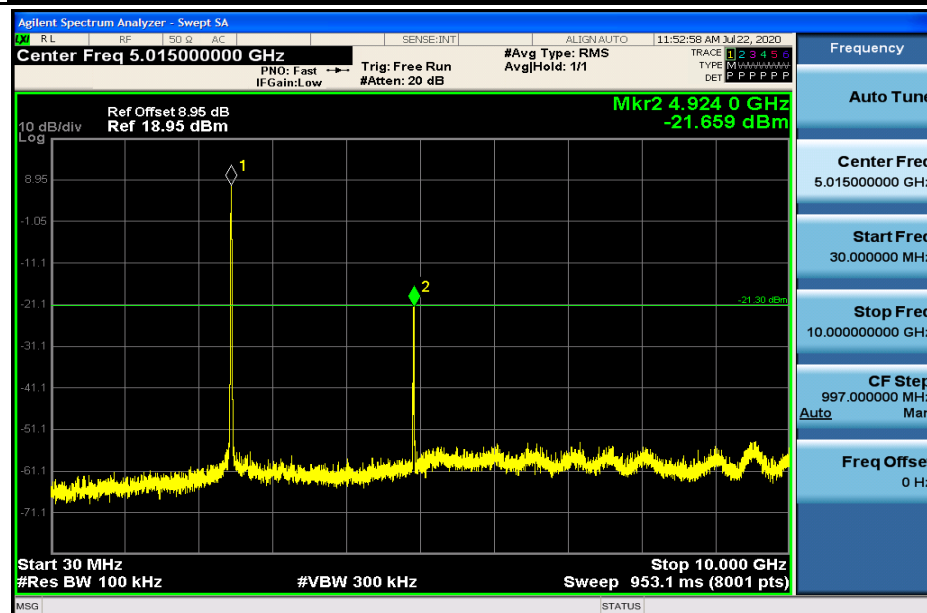
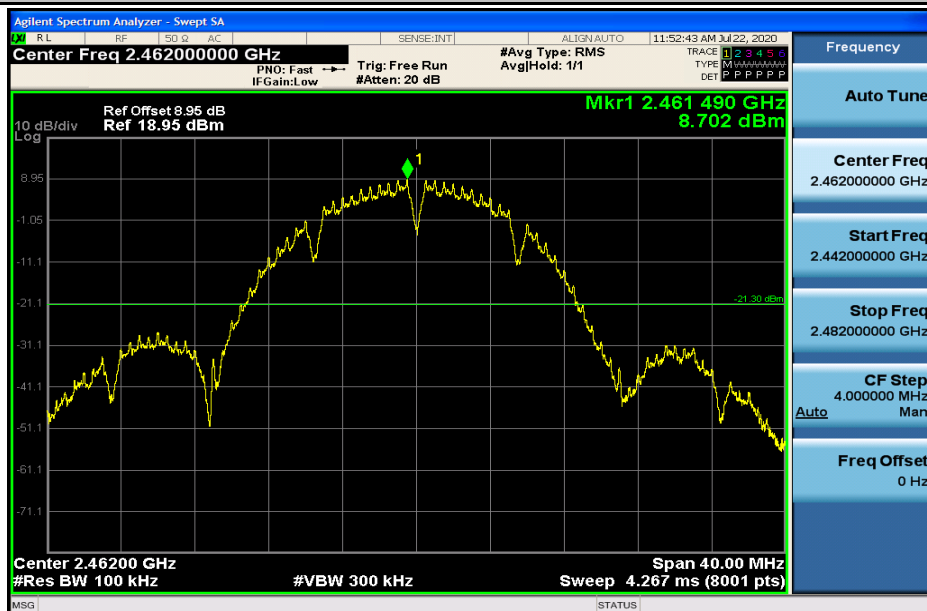
# RF Conducted Spurious Emissions\_11B\_2412



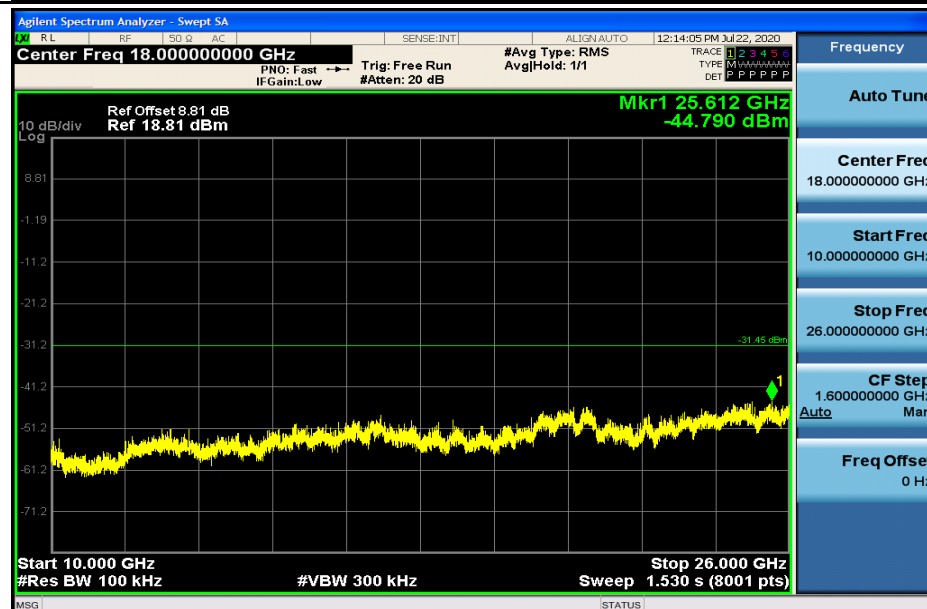
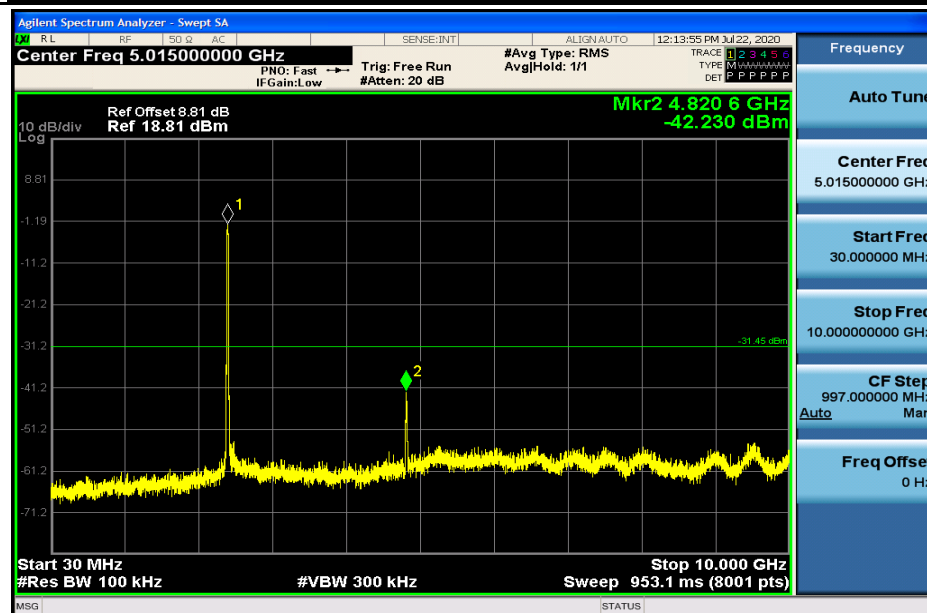
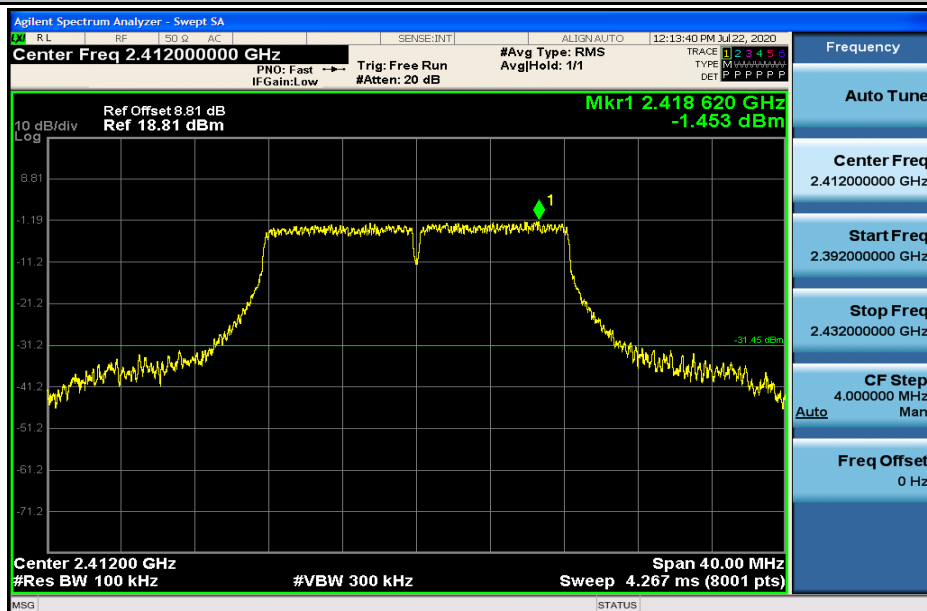
RF Conducted Spurious Emissions\_11B\_2437



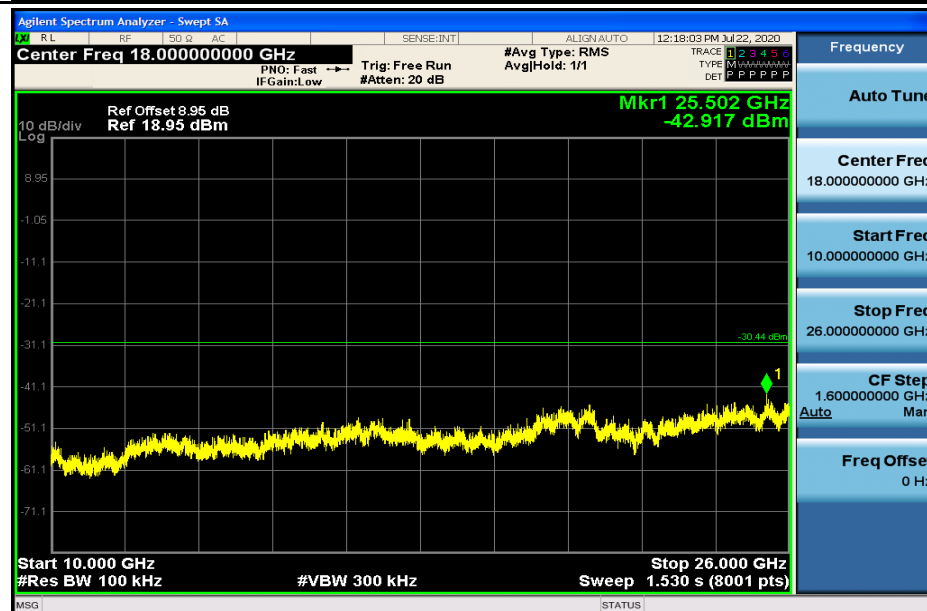
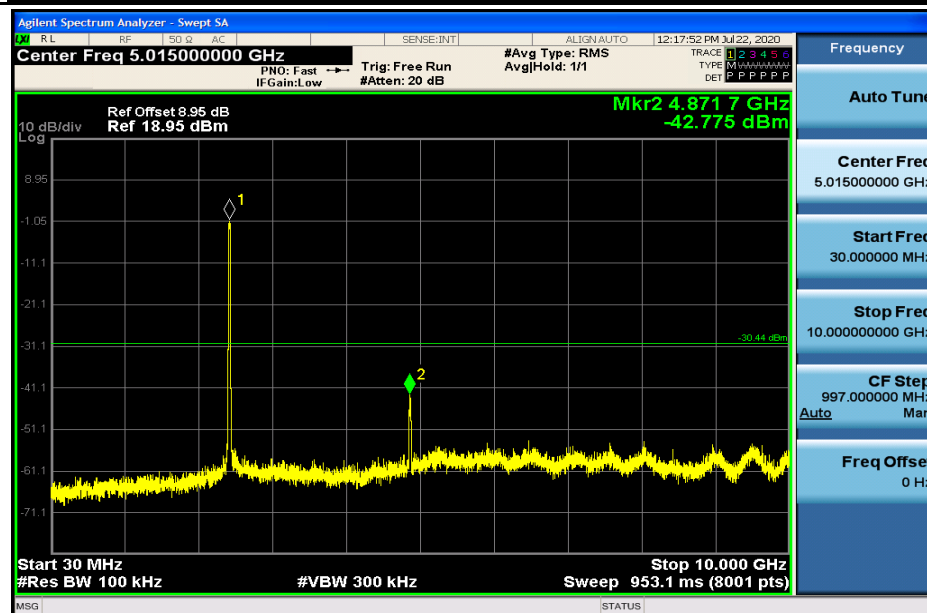
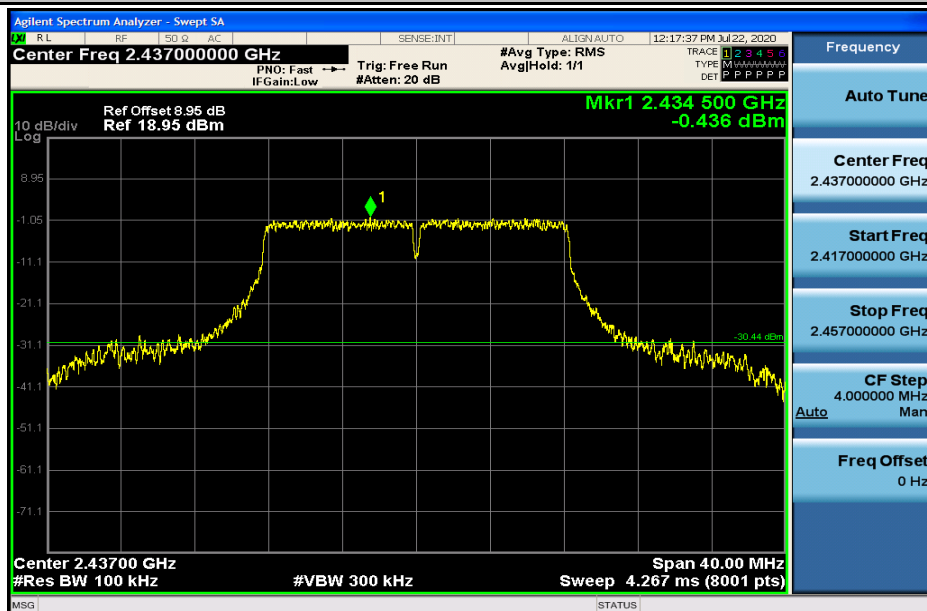
RF Conducted Spurious Emissions\_11B\_2462



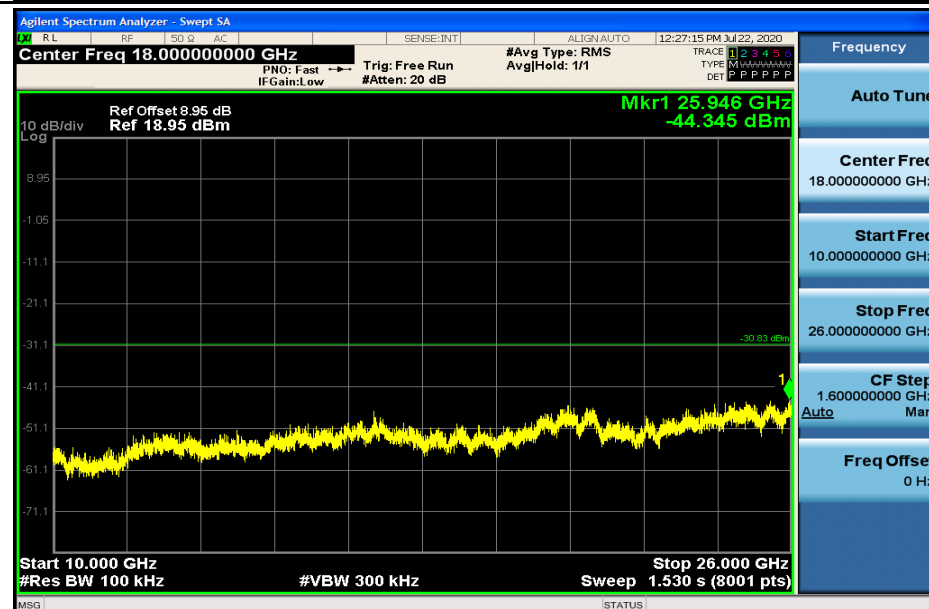
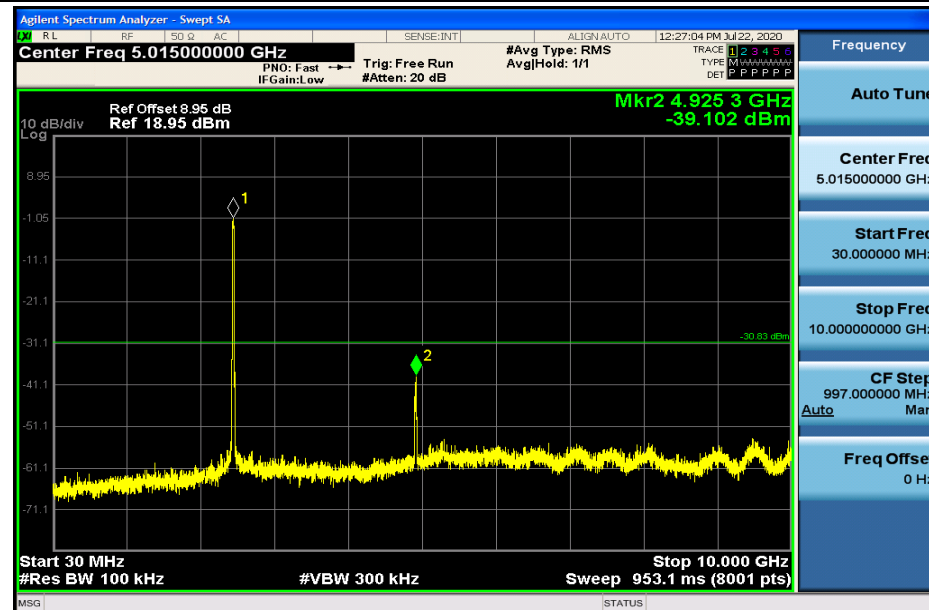
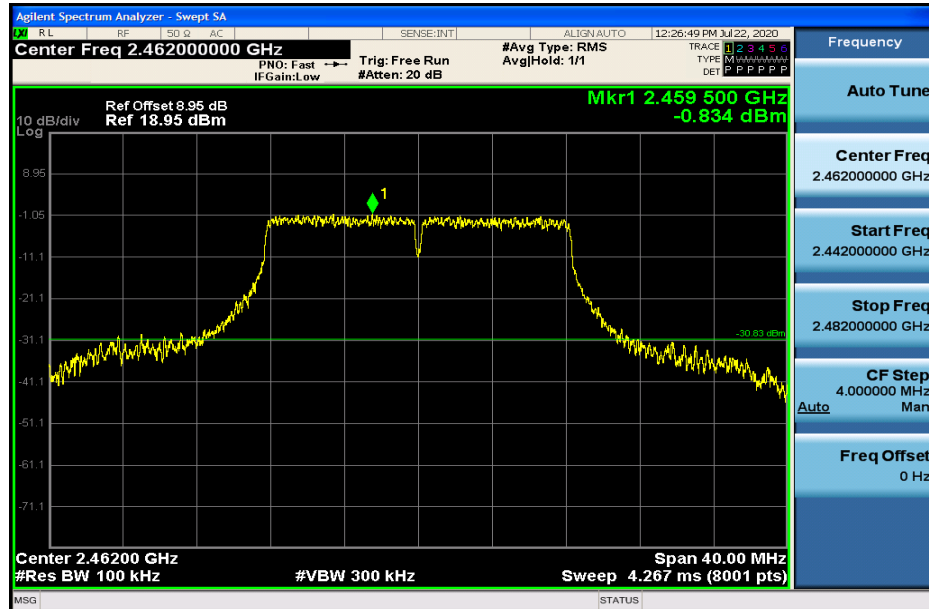
RF Conducted Spurious Emissions\_11G\_2412



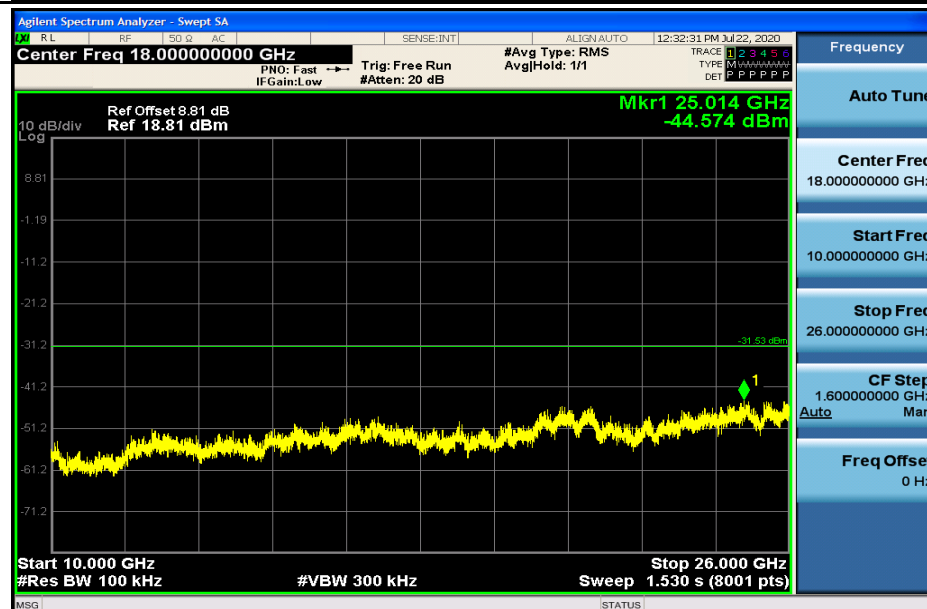
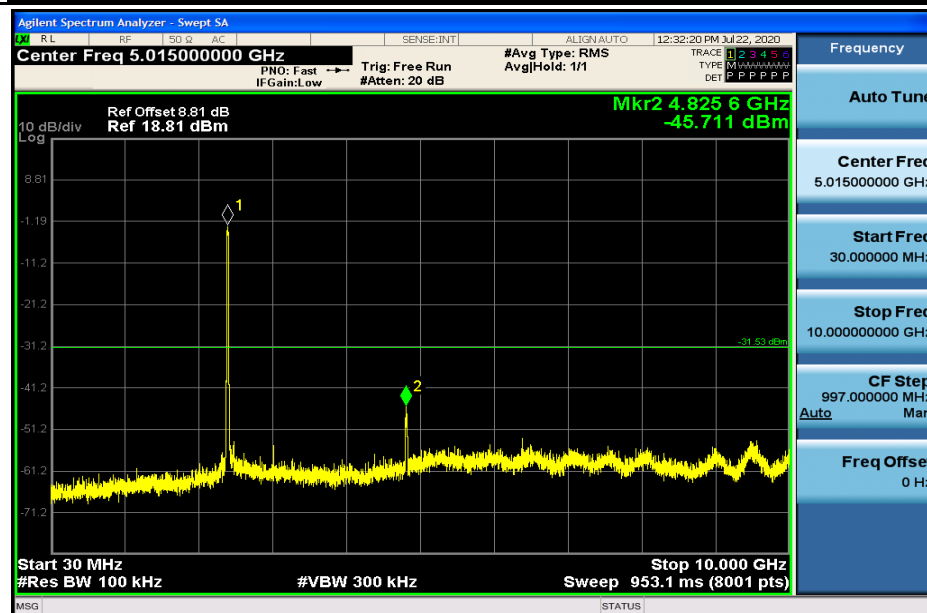
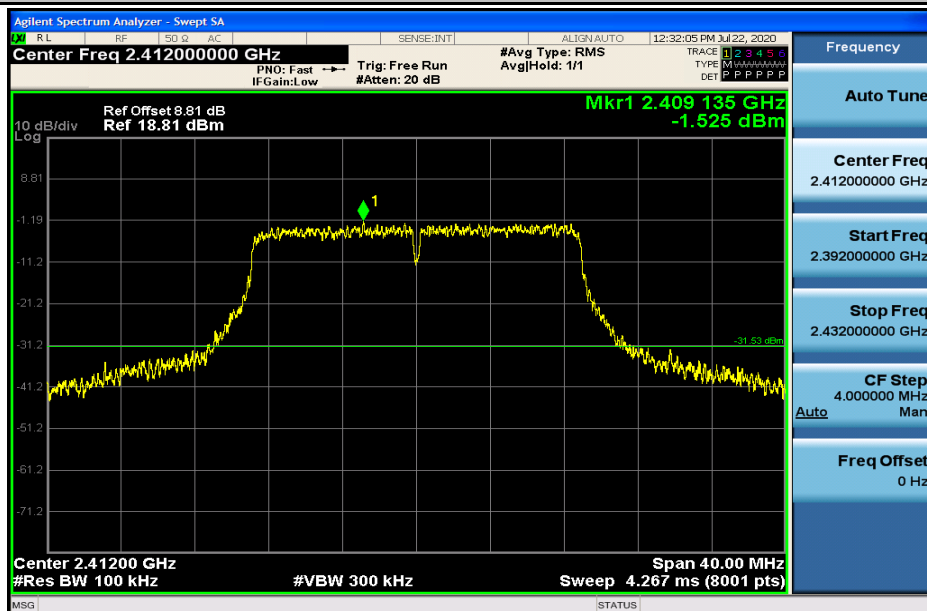
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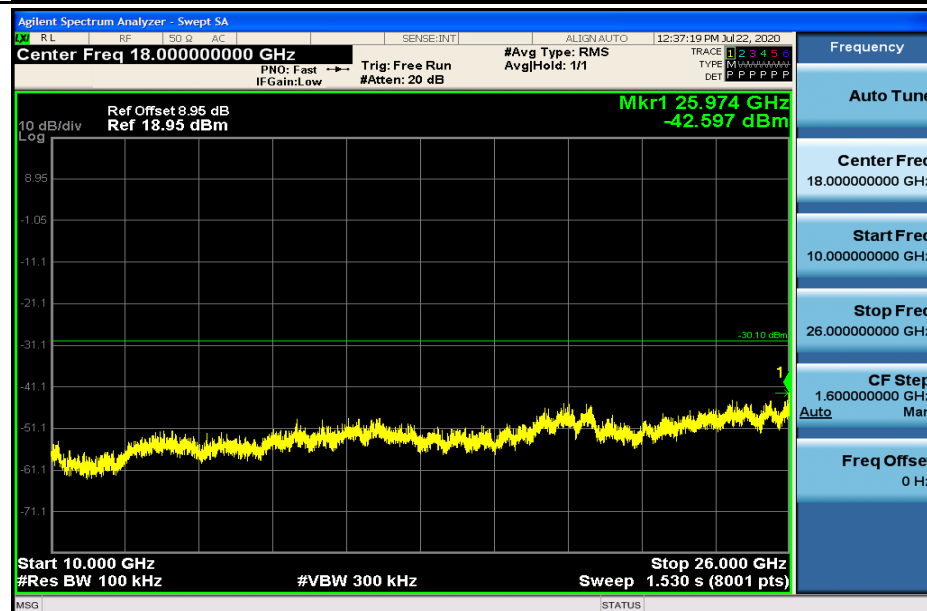
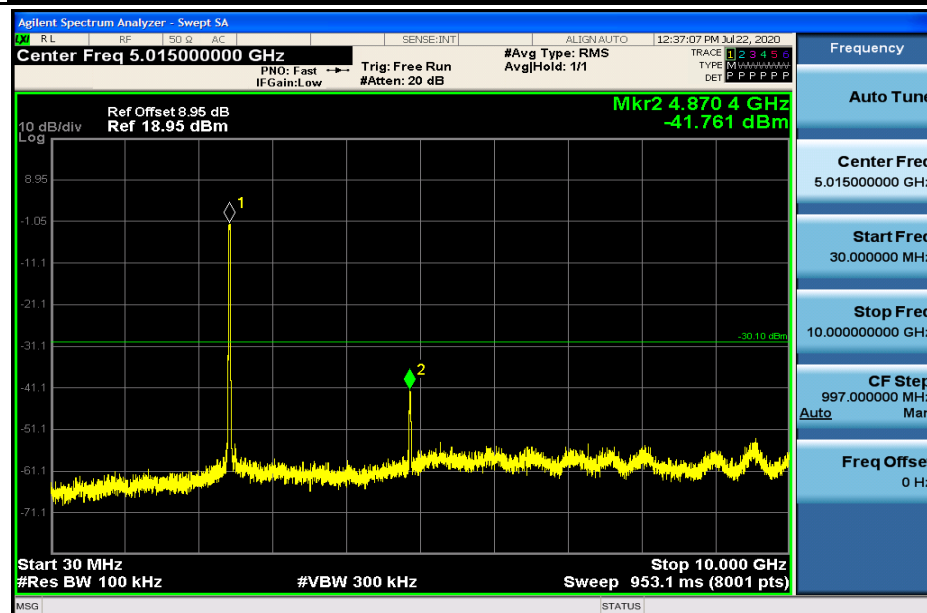
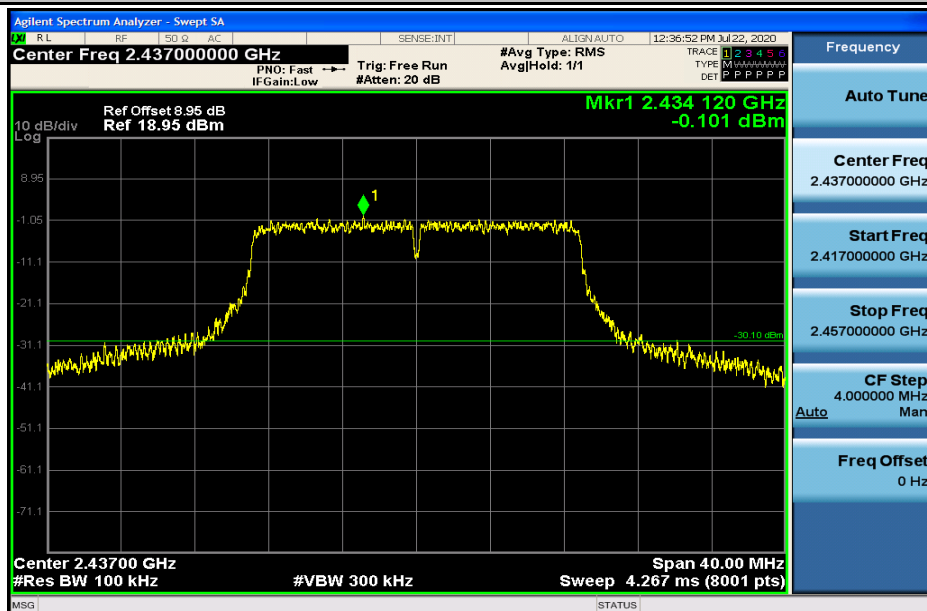
RF Conducted Spurious Emissions\_11G\_2462



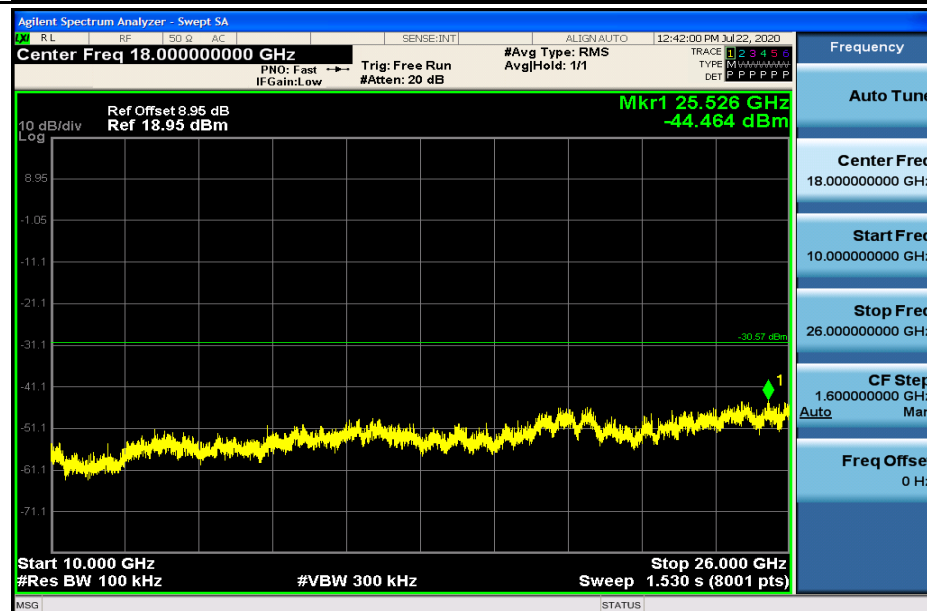
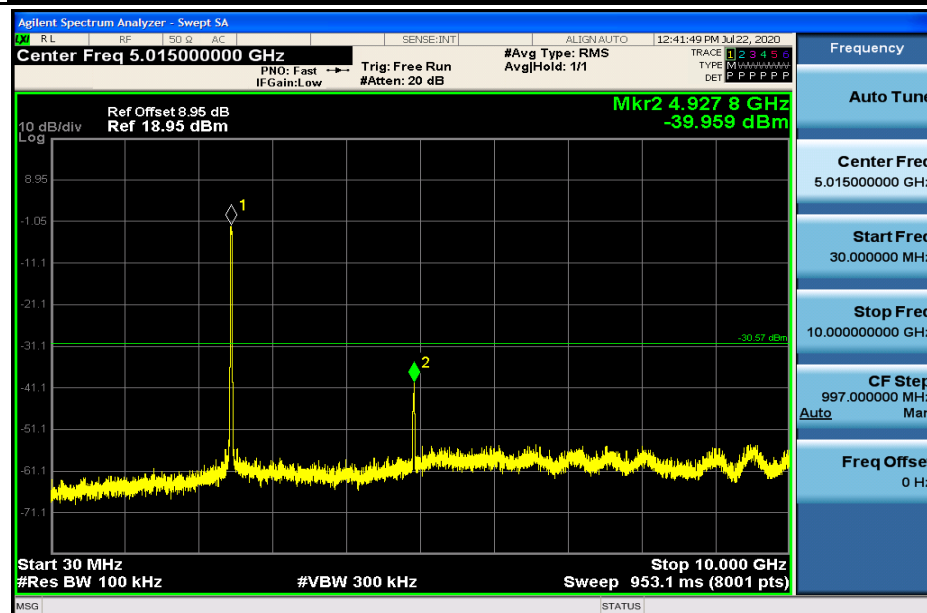
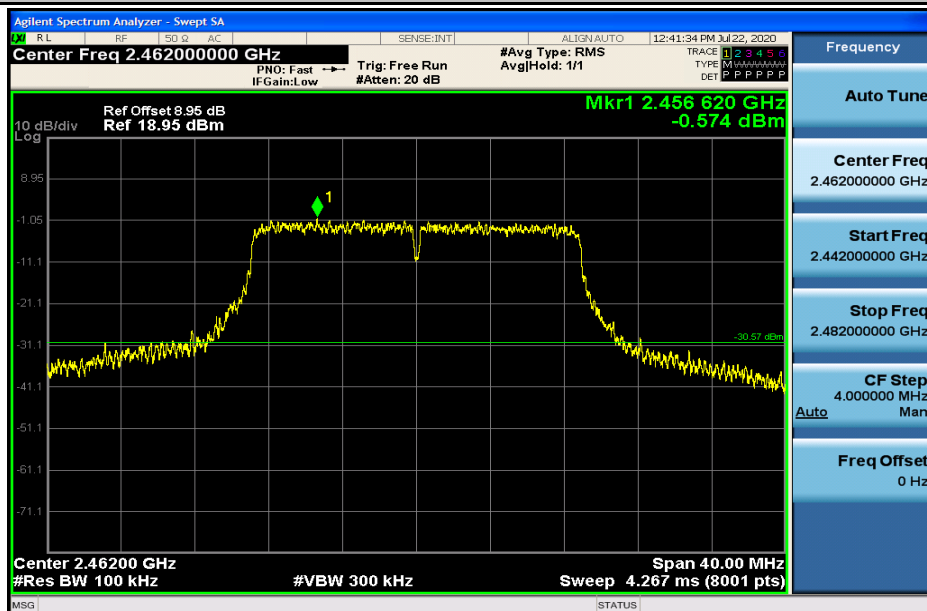
RF Conducted Spurious Emissions\_11N20SISO\_2412



RF Conducted Spurious Emissions\_11N20SISO\_2437



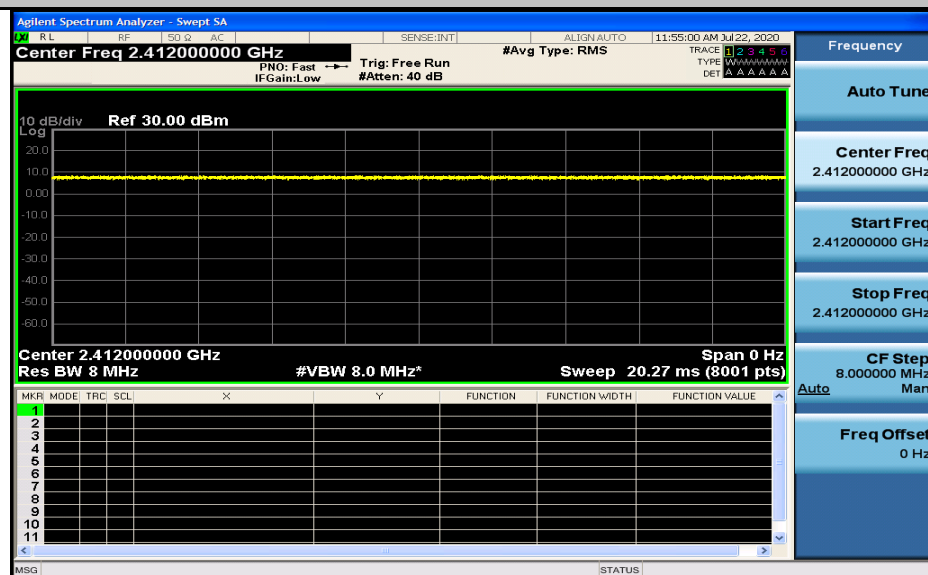
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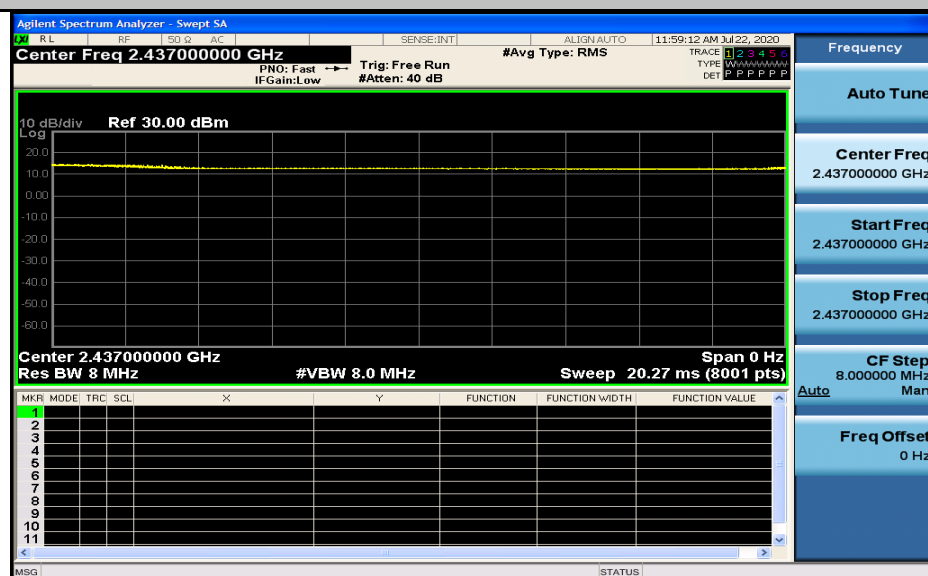
## 7.Duty Cycle

| 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                  |

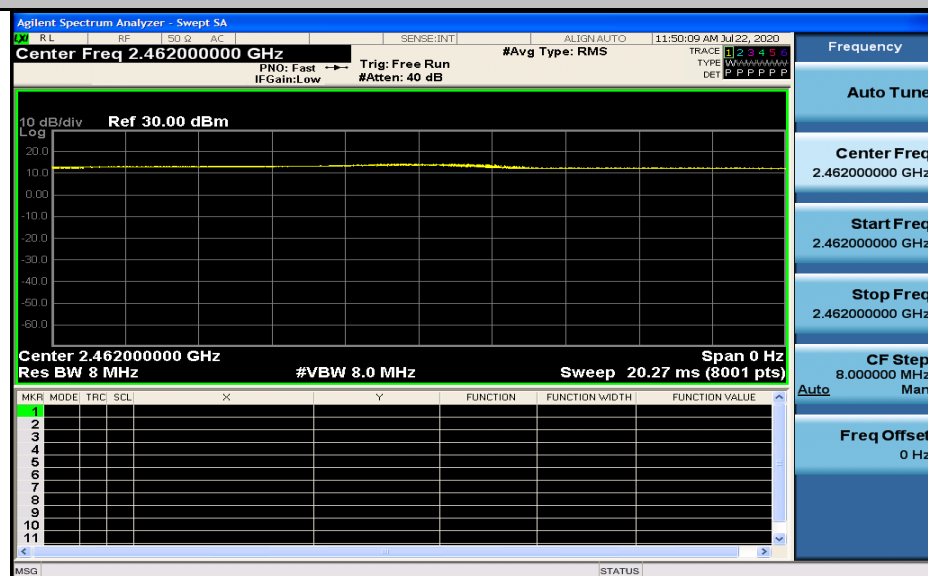
Duty Cycle\_11B\_2412\_Ant1



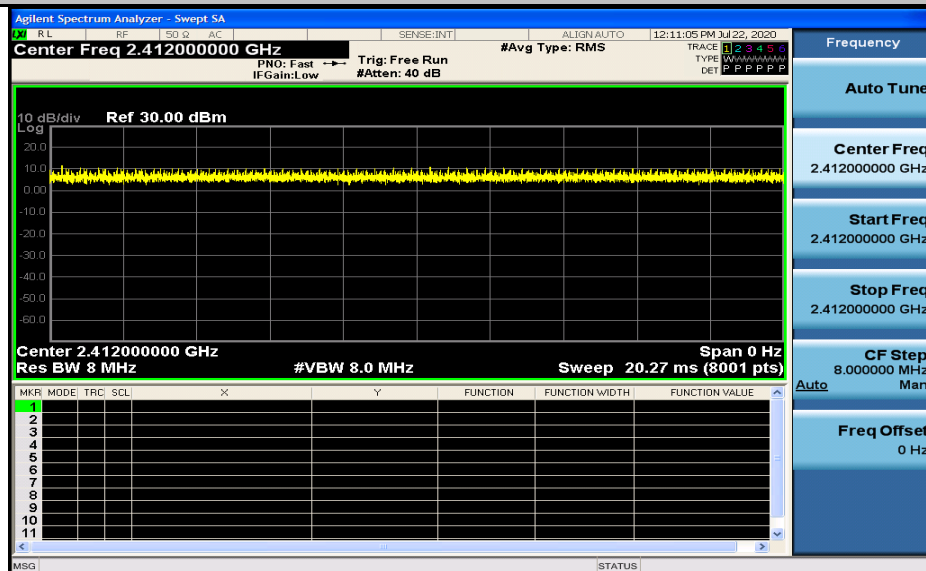
Duty Cycle\_11B\_2437\_Ant1



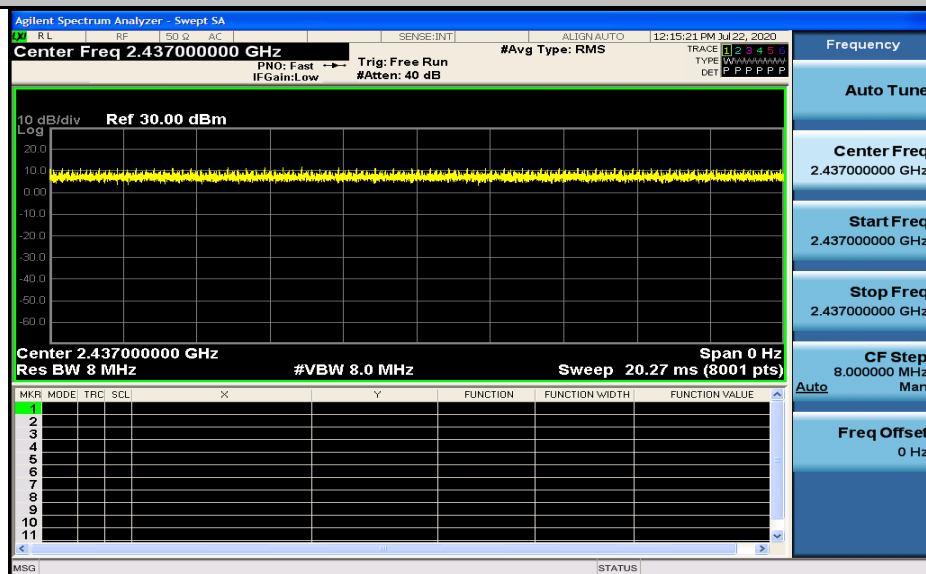
Duty Cycle\_11B\_2462\_Ant1



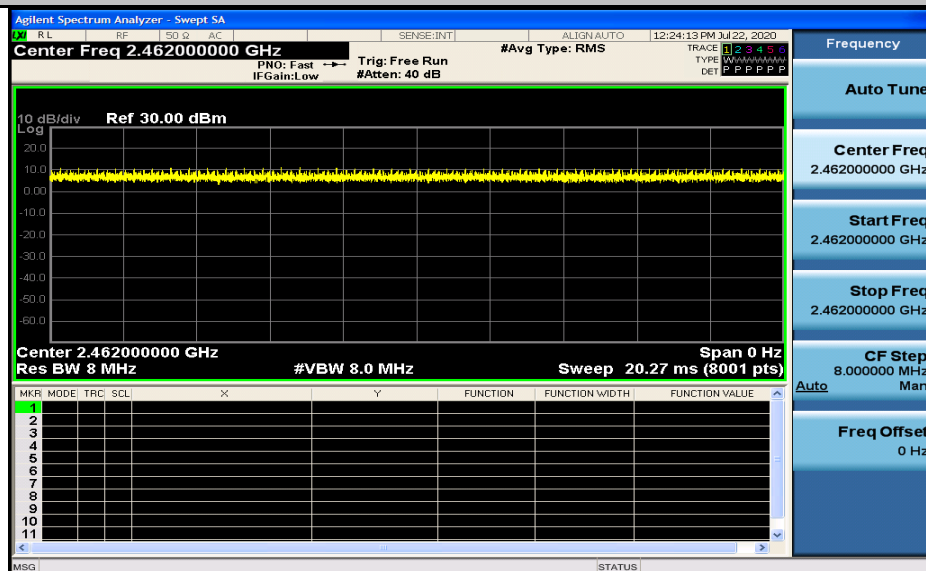
Duty Cycle\_11G\_2412\_Ant1



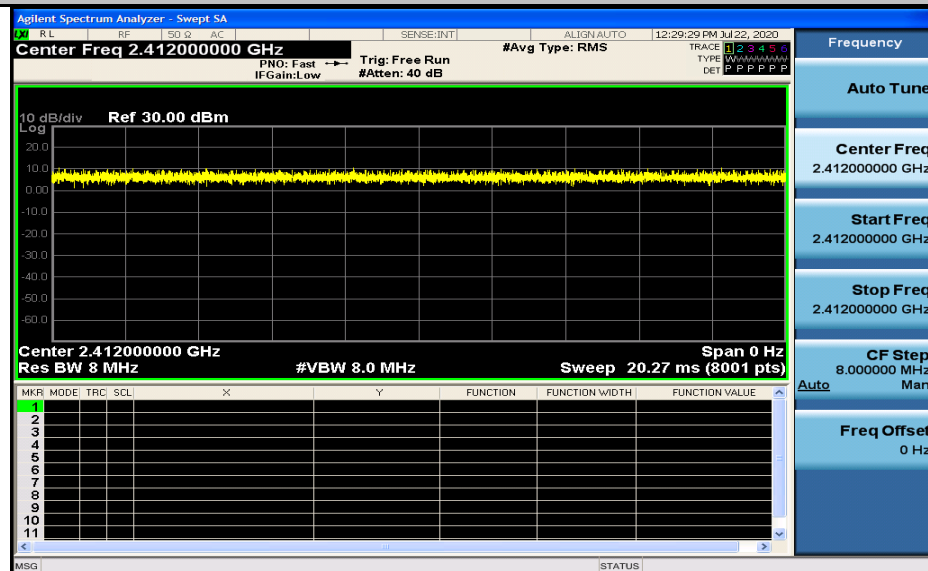
Duty Cycle\_11G\_2437\_Ant1



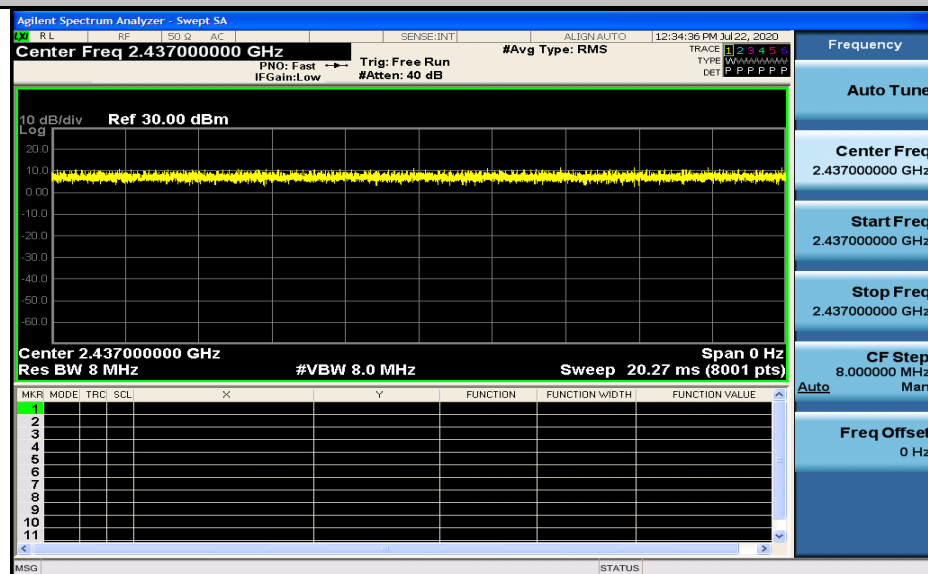
Duty Cycle\_11G\_2462\_Ant1



Duty Cycle\_11N20SISO\_2412\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N20SISO\_2462\_Ant1

