

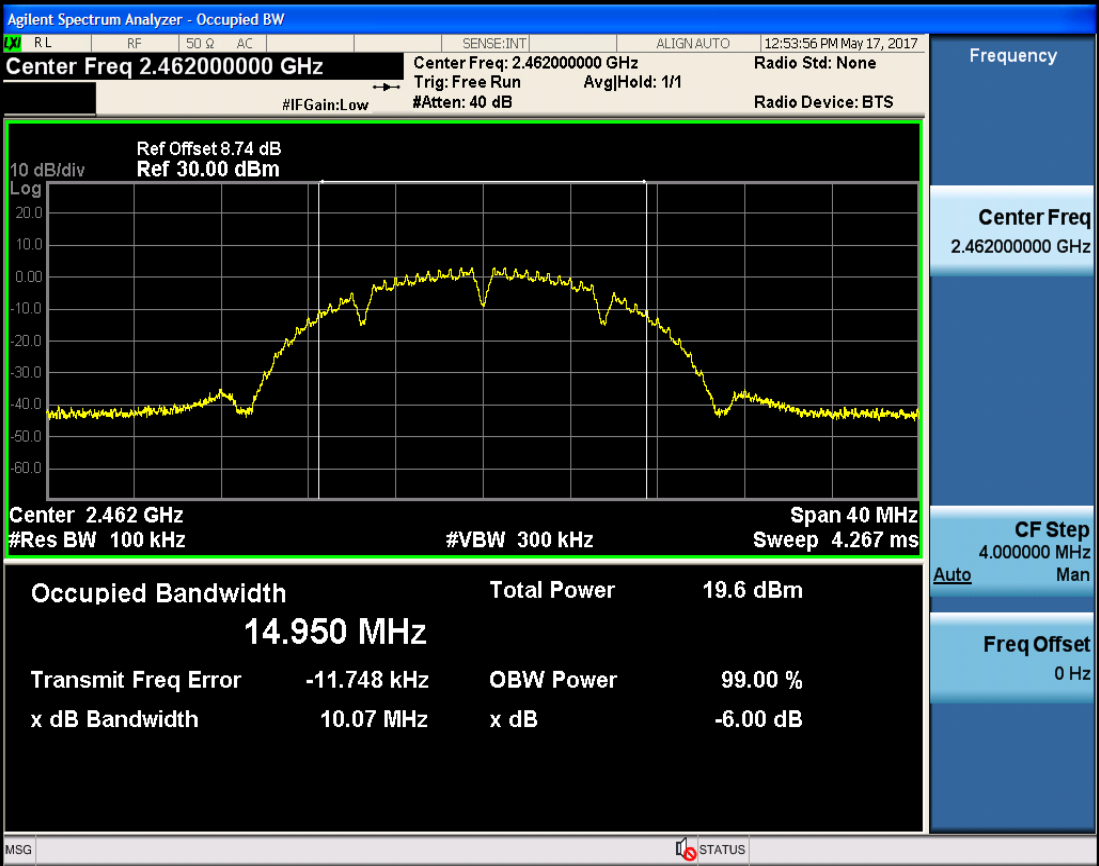
Appendix A for SHEM170300167701

1.6dB Bandwidth

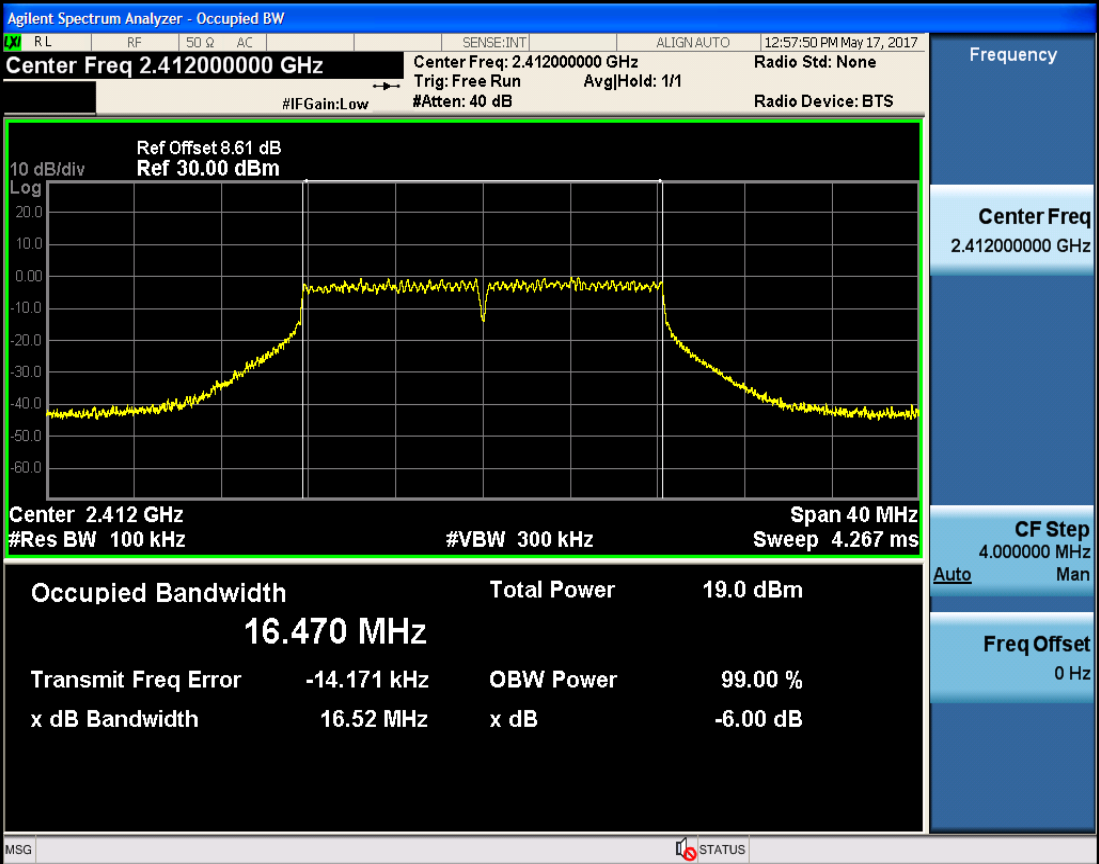
| Test Mode | Test Channel | Ant  | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|-------|---------|
| 11B       | 2412         | Ant1 | 10.07    | 0.5   | PASS    |
| 11B       | 2437         | Ant1 | 10.06    | 0.5   | PASS    |
| 11B       | 2462         | Ant1 | 10.07    | 0.5   | PASS    |
| 11G       | 2412         | Ant1 | 16.52    | 0.5   | PASS    |
| 11G       | 2437         | Ant1 | 16.53    | 0.5   | PASS    |
| 11G       | 2462         | Ant1 | 16.52    | 0.5   | PASS    |
| 11N20SISO | 2412         | Ant1 | 17.79    | 0.5   | PASS    |
| 11N20SISO | 2437         | Ant1 | 17.77    | 0.5   | PASS    |
| 11N20SISO | 2462         | Ant1 | 17.80    | 0.5   | PASS    |
| 11N40SISO | 2422         | Ant1 | 36.09    | 0.5   | PASS    |
| 11N40SISO | 2437         | Ant1 | 36.35    | 0.5   | PASS    |
| 11N40SISO | 2452         | Ant1 | 36.37    | 0.5   | PASS    |



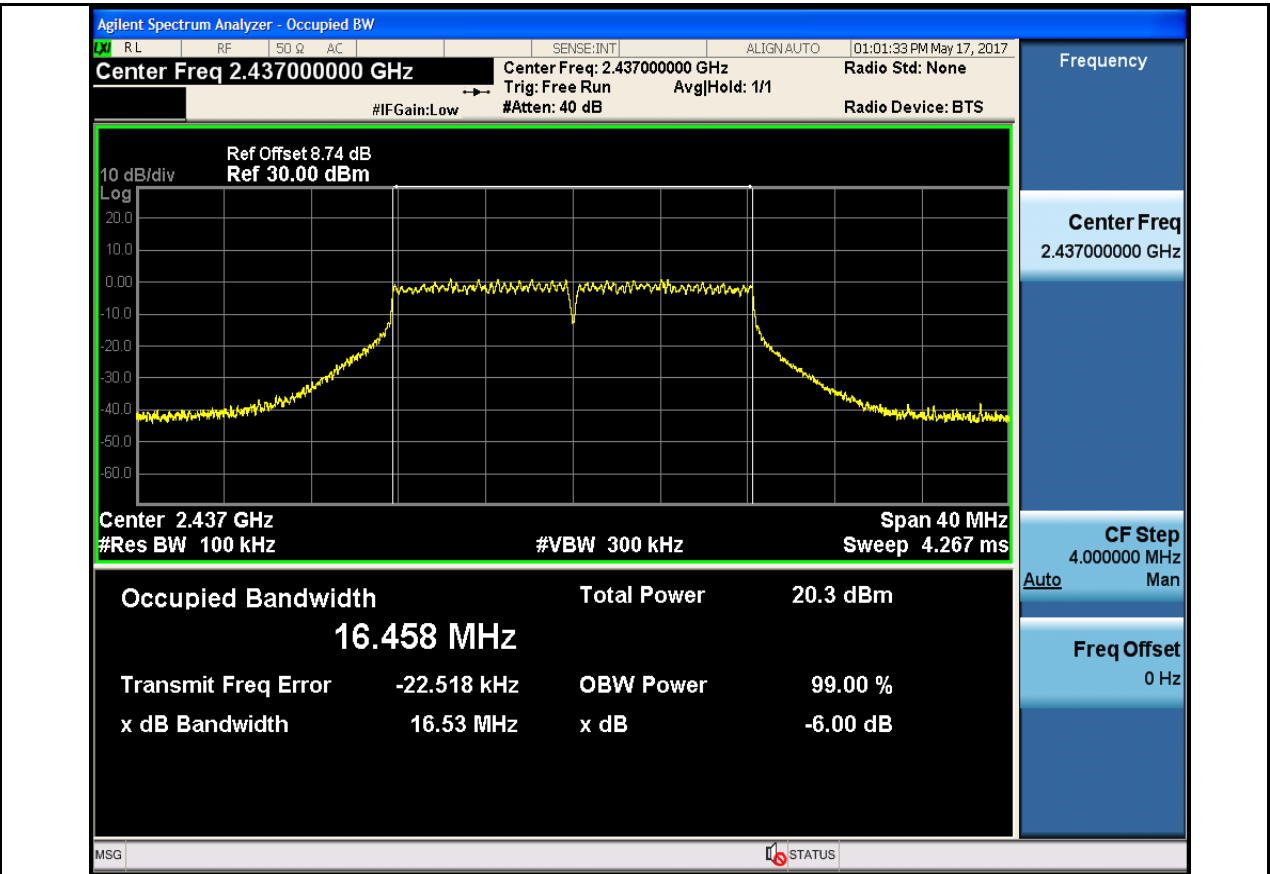
6dB Bandwidth\_11B\_2462\_Ant1



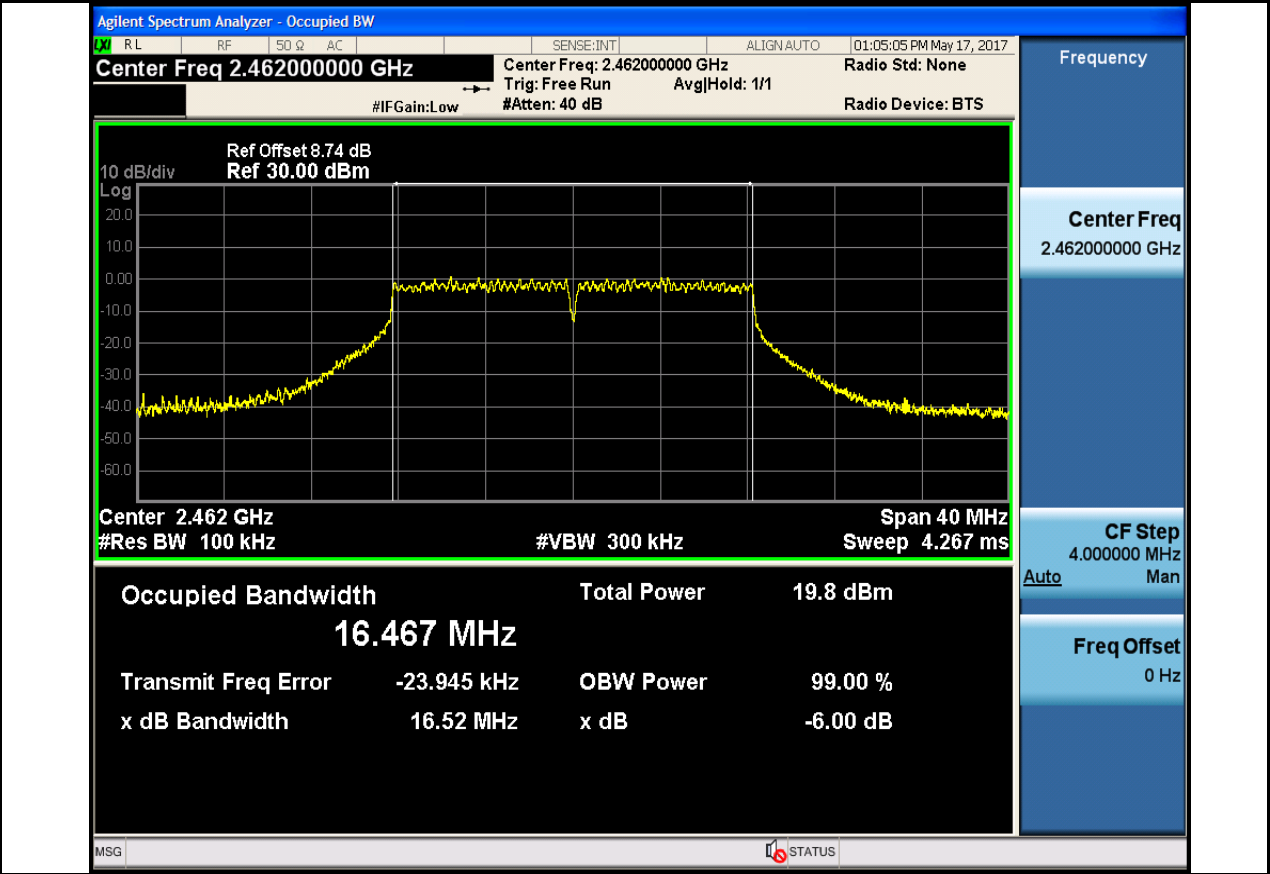
6dB Bandwidth\_11G\_2412\_Ant1



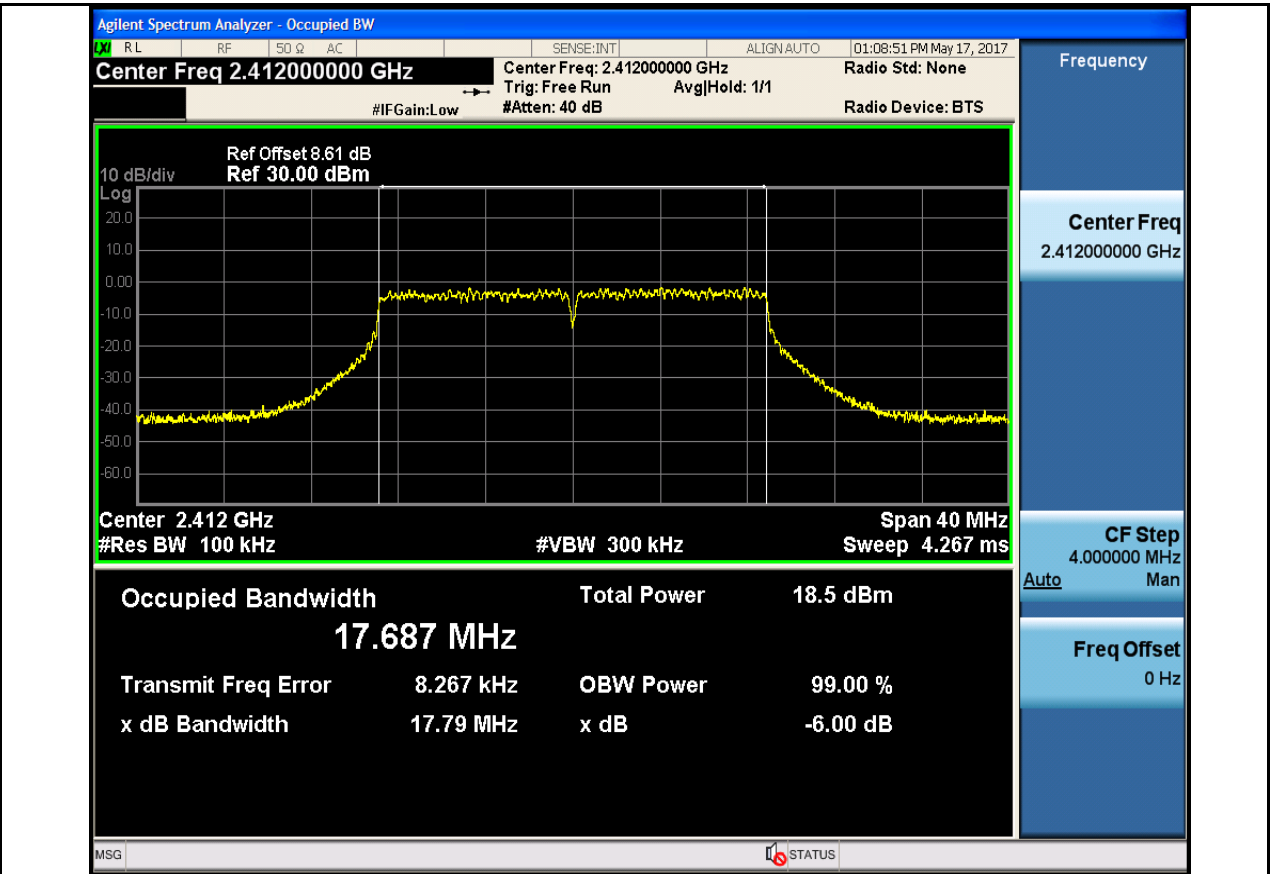
6dB Bandwidth\_11G\_2437\_Ant1



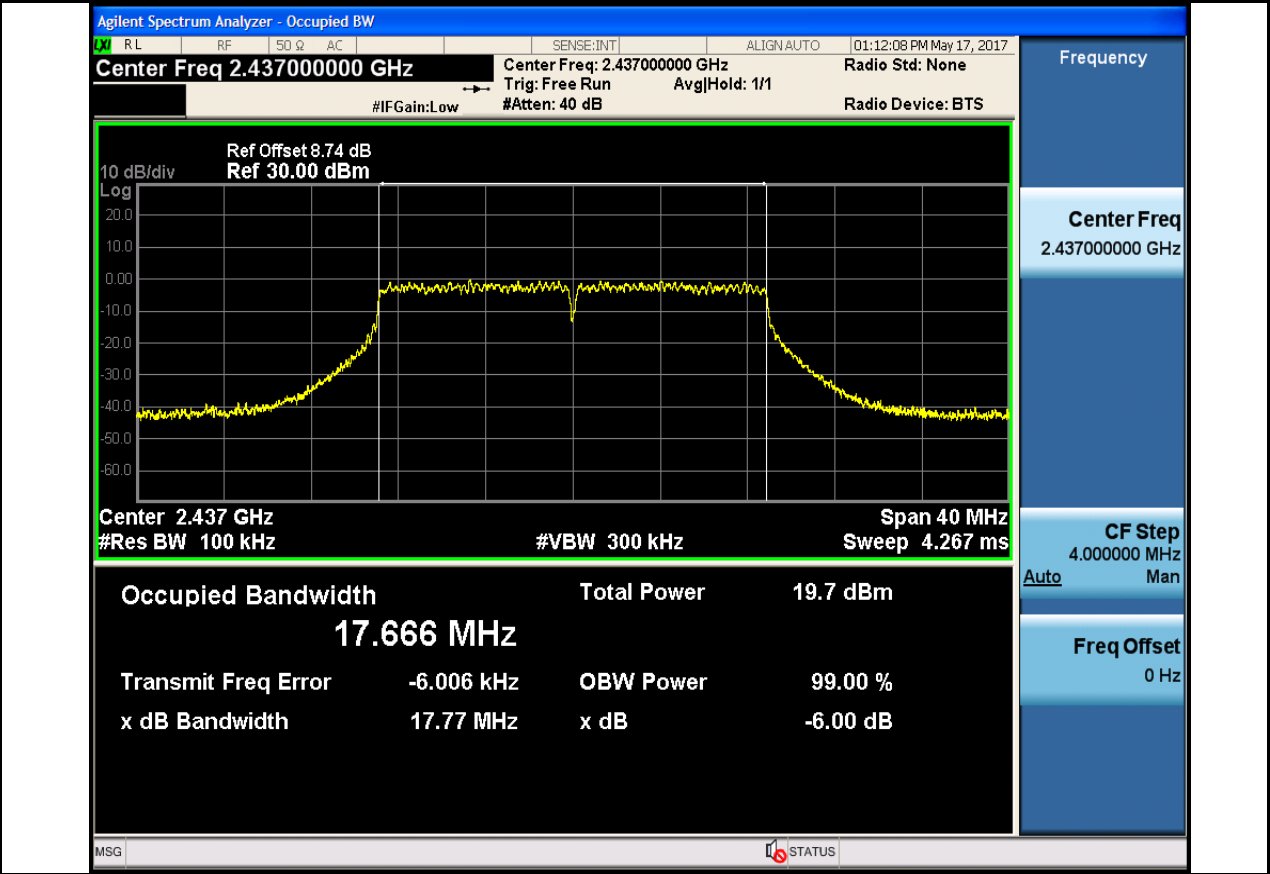
6dB Bandwidth\_11G\_2462\_Ant1



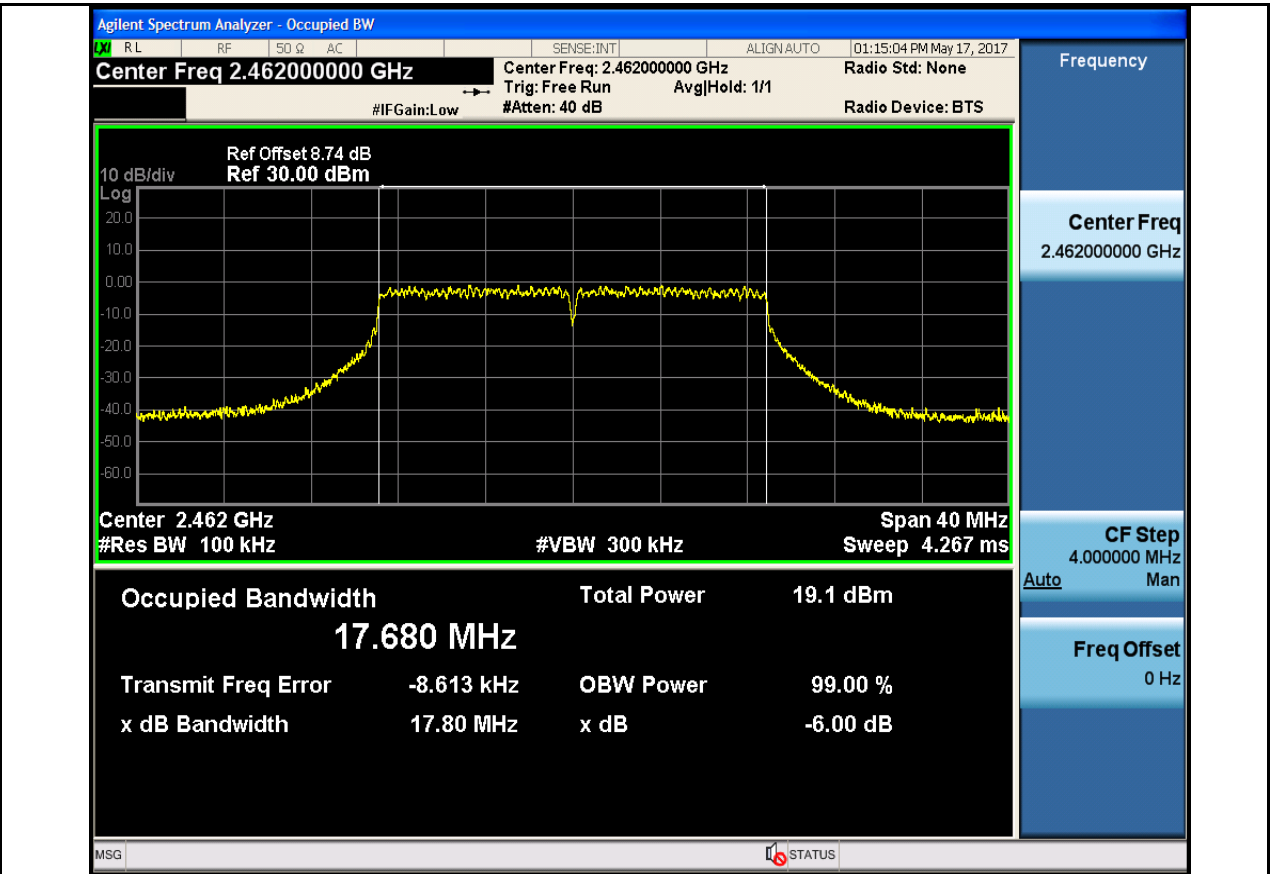
6dB Bandwidth\_11N20SISO\_2412\_Ant1



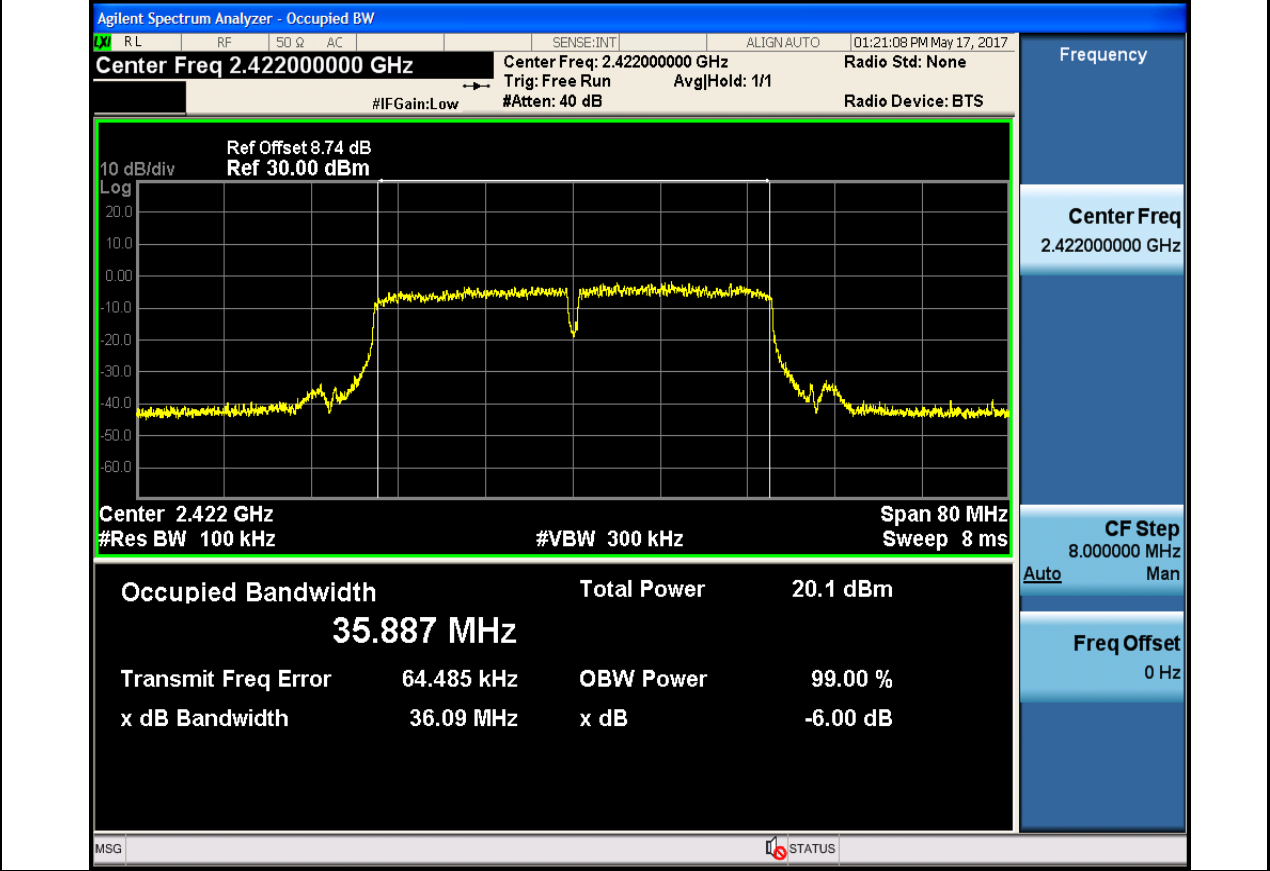
6dB Bandwidth\_11N20SISO\_2437\_Ant1



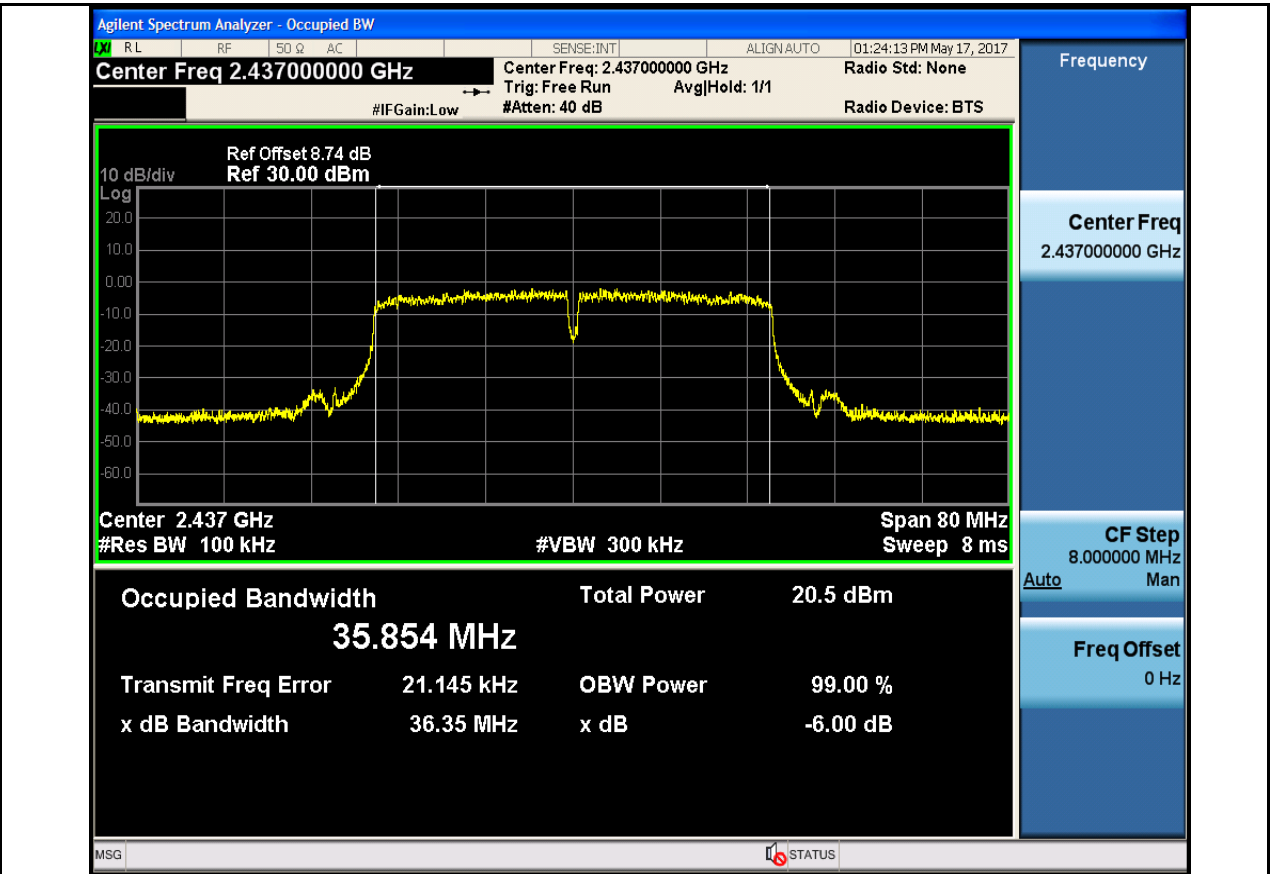
6dB Bandwidth\_11N20SISO\_2462\_Ant1



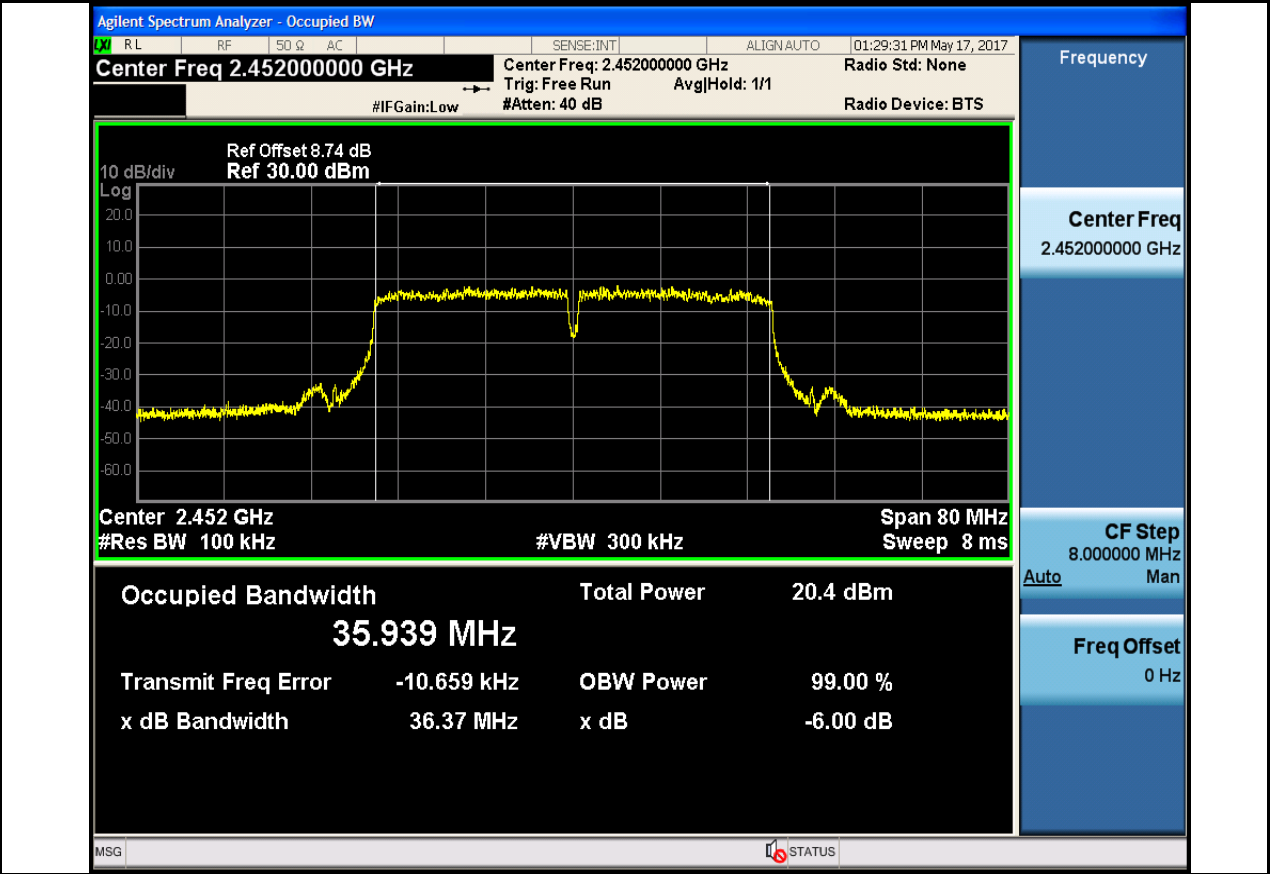
6dB Bandwidth\_11N40SISO\_2422\_Ant1



6dB Bandwidth\_11N40SISO\_2437\_Ant1



6dB Bandwidth\_11N40SISO\_2452\_Ant1



2.Maximum peak conducted output power

| Test Mode | Test Channel | Ant  | Power[dBm] | Limit[dBm] | Verdict |
|-----------|--------------|------|------------|------------|---------|
| 11B       | 2412         | Ant1 | 14.13      | 30         | PASS    |
| 11B       | 2437         | Ant1 | 15.49      | 30         | PASS    |
| 11B       | 2462         | Ant1 | 15.02      | 30         | PASS    |
| 11G       | 2412         | Ant1 | 19.63      | 30         | PASS    |
| 11G       | 2437         | Ant1 | 20.93      | 30         | PASS    |
| 11G       | 2462         | Ant1 | 20.5       | 30         | PASS    |
| 11N20SISO | 2412         | Ant1 | 19.15      | 30         | PASS    |
| 11N20SISO | 2437         | Ant1 | 20.37      | 30         | PASS    |
| 11N20SISO | 2462         | Ant1 | 19.84      | 30         | PASS    |
| 11N40SISO | 2422         | Ant1 | 21.01      | 30         | PASS    |
| 11N40SISO | 2437         | Ant1 | 21.43      | 30         | PASS    |
| 11N40SISO | 2452         | Ant1 | 21.3       | 30         | PASS    |

# TEST PLOT

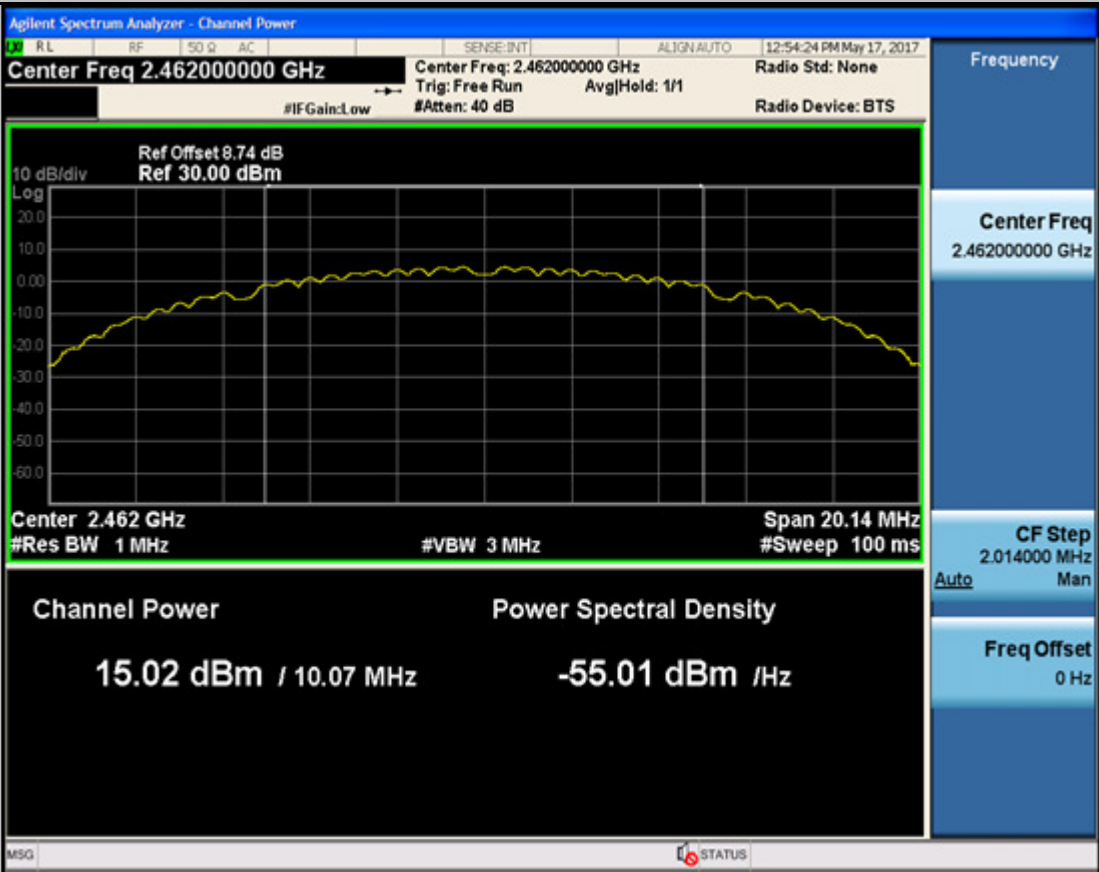
Maximum peak conducted output power\_11B\_2412\_Ant1



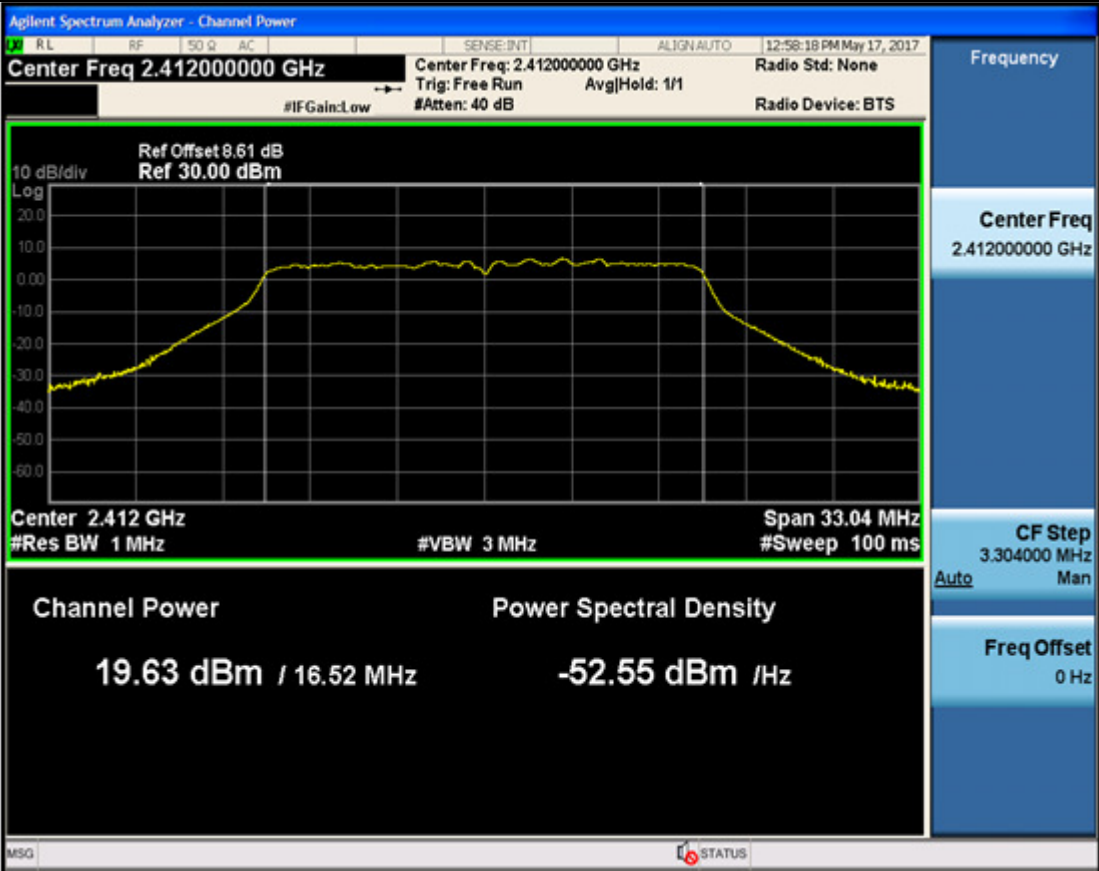
Maximum peak conducted output power\_11B\_2437\_Ant1



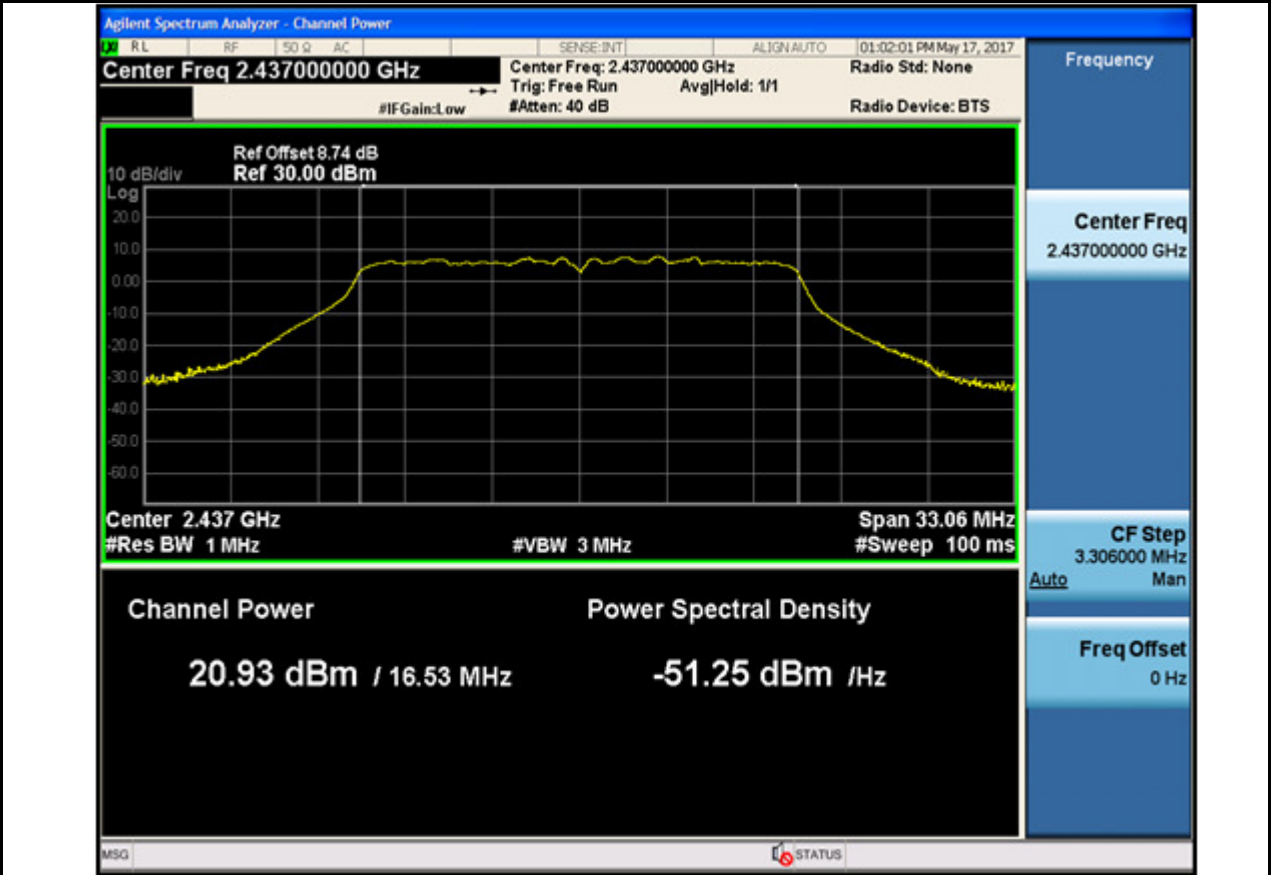
Maximum peak conducted output power\_11B\_2462\_Ant1



Maximum peak conducted output power\_11G\_2412\_Ant1



Maximum peak conducted output power\_11G\_2437\_Ant1



Maximum peak conducted output power\_11G\_2462\_Ant1



Maximum peak conducted output power\_11N20SISO\_2412\_Ant1



Maximum peak conducted output power\_11N20SISO\_2437\_Ant1



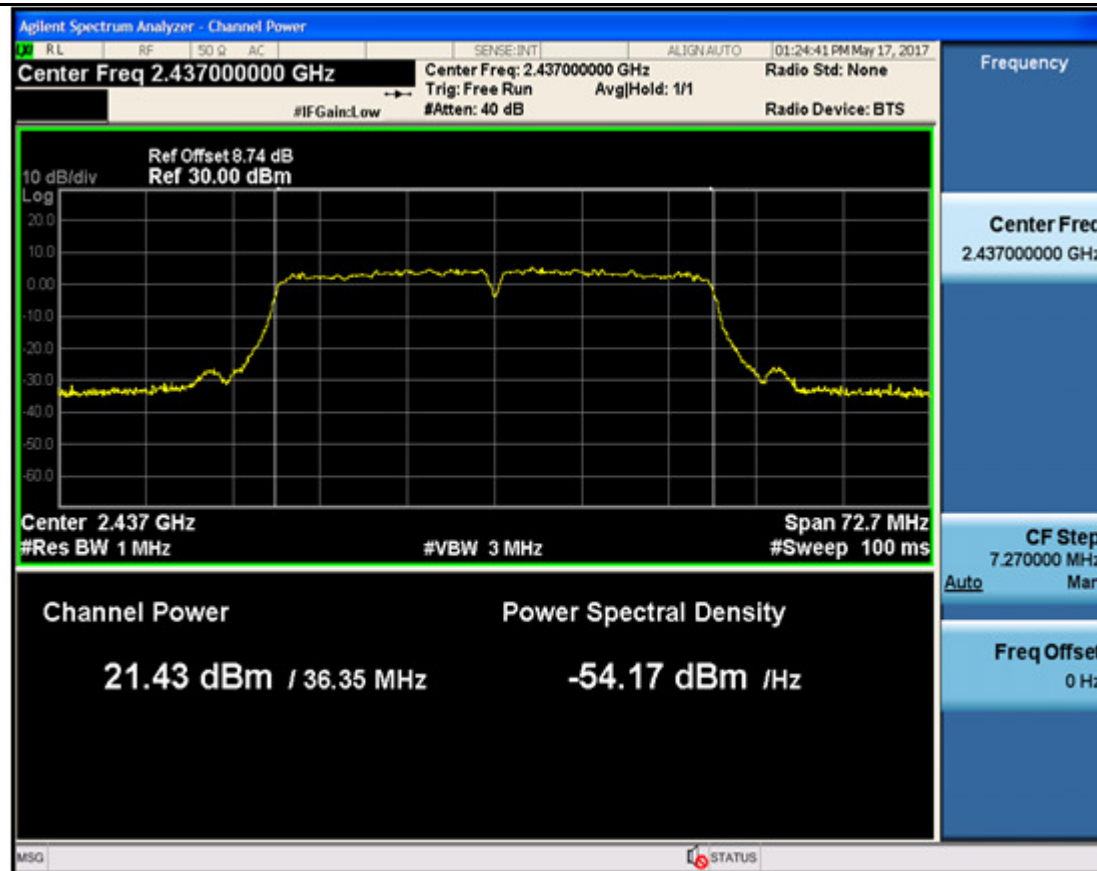
Maximum peak conducted output power\_11N20SISO\_2462\_Ant1



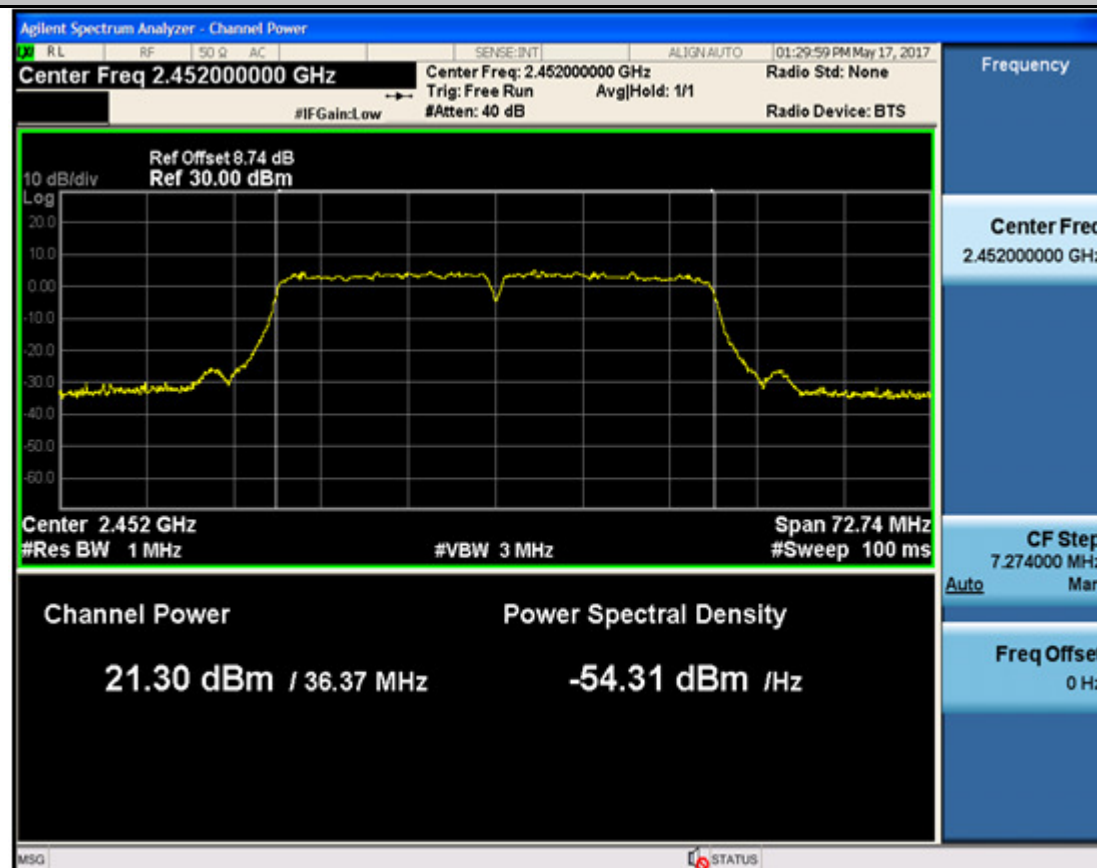
Maximum peak conducted output power\_11N40SISO\_2422\_Ant1



Maximum peak conducted output power\_11N40SISO\_2437\_Ant1



Maximum peak conducted output power\_11N40SISO\_2452\_Ant1



3.Maximum Peak power spectral density

| Test Mode | Test Channel | Ant  | PSD[dBm/3KHz] | Limit[dBm/3KHz] | Verdict |
|-----------|--------------|------|---------------|-----------------|---------|
| 11B       | 2412         | Ant1 | -17.864       | 8.00            | PASS    |
| 11B       | 2437         | Ant1 | -16.499       | 8.00            | PASS    |
| 11B       | 2462         | Ant1 | -16.974       | 8.00            | PASS    |
| 11G       | 2412         | Ant1 | -14.231       | 8.00            | PASS    |
| 11G       | 2437         | Ant1 | -13.103       | 8.00            | PASS    |
| 11G       | 2462         | Ant1 | -13.623       | 8.00            | PASS    |
| 11N20SISO | 2412         | Ant1 | -15.163       | 8.00            | PASS    |
| 11N20SISO | 2437         | Ant1 | -14.198       | 8.00            | PASS    |
| 11N20SISO | 2462         | Ant1 | -14.7         | 8.00            | PASS    |
| 11N40SISO | 2422         | Ant1 | -15.258       | 8.00            | PASS    |
| 11N40SISO | 2437         | Ant1 | -14.573       | 8.00            | PASS    |
| 11N40SISO | 2452         | Ant1 | -15.457       | 8.00            | PASS    |

TEST PLOT

Maximum Peak power spectral density\_11B\_2412\_Ant1



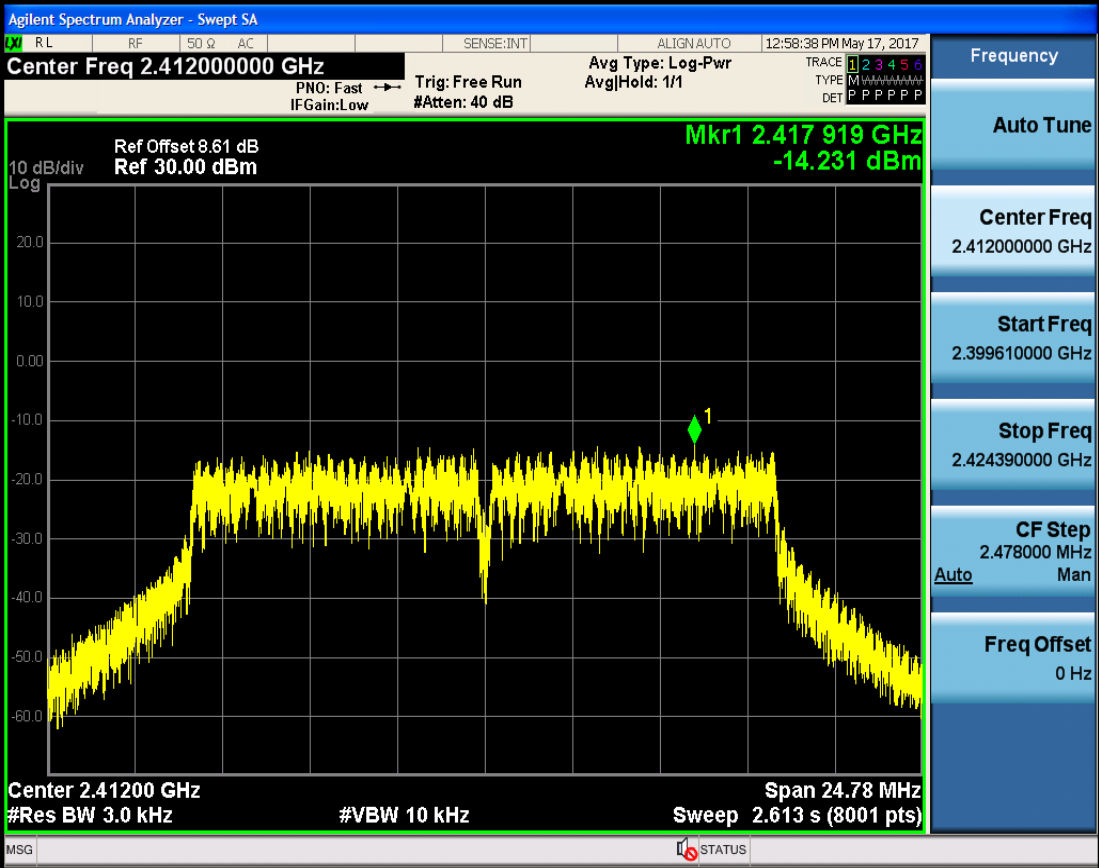
Maximum Peak power spectral density\_11B\_2437\_Ant1



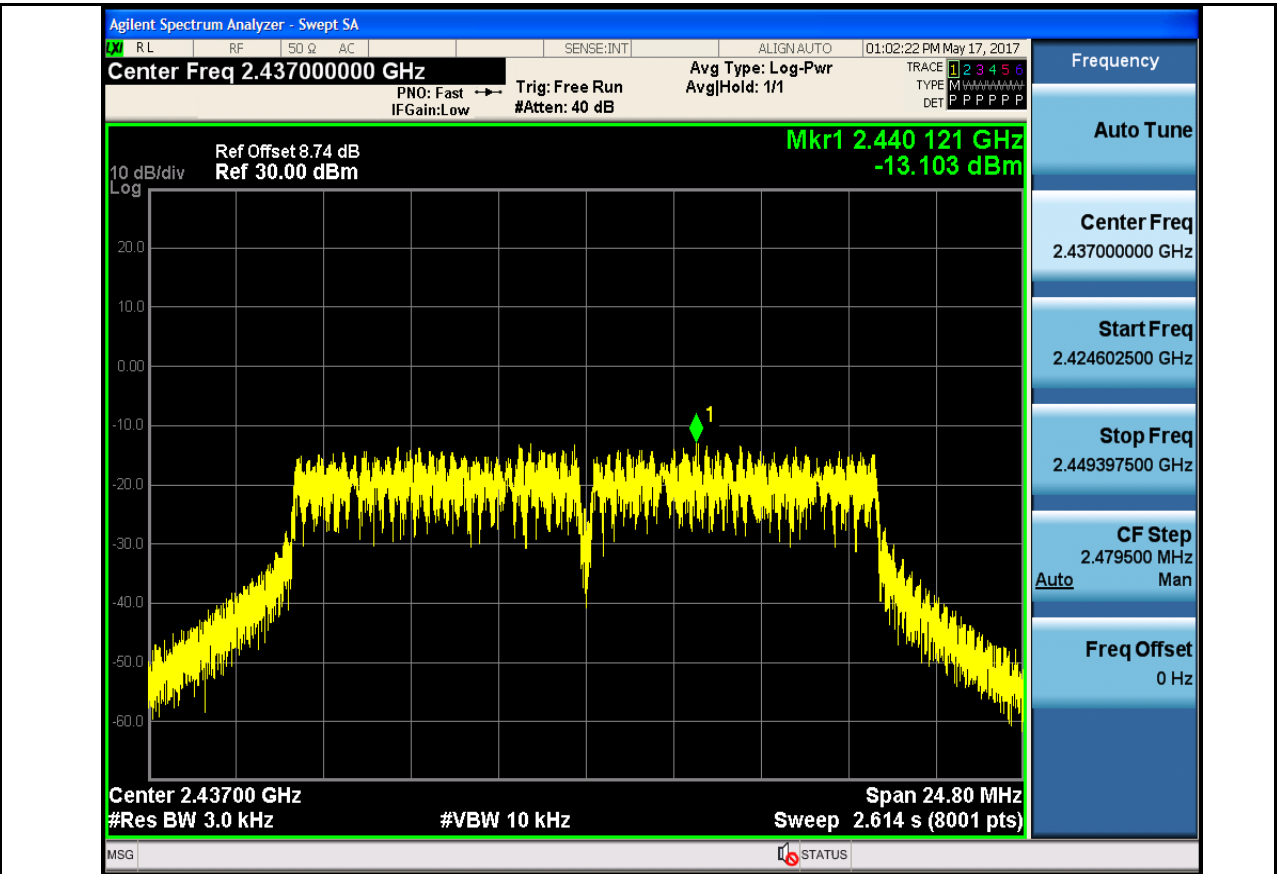
Maximum Peak power spectral density\_11B\_2462\_Ant1



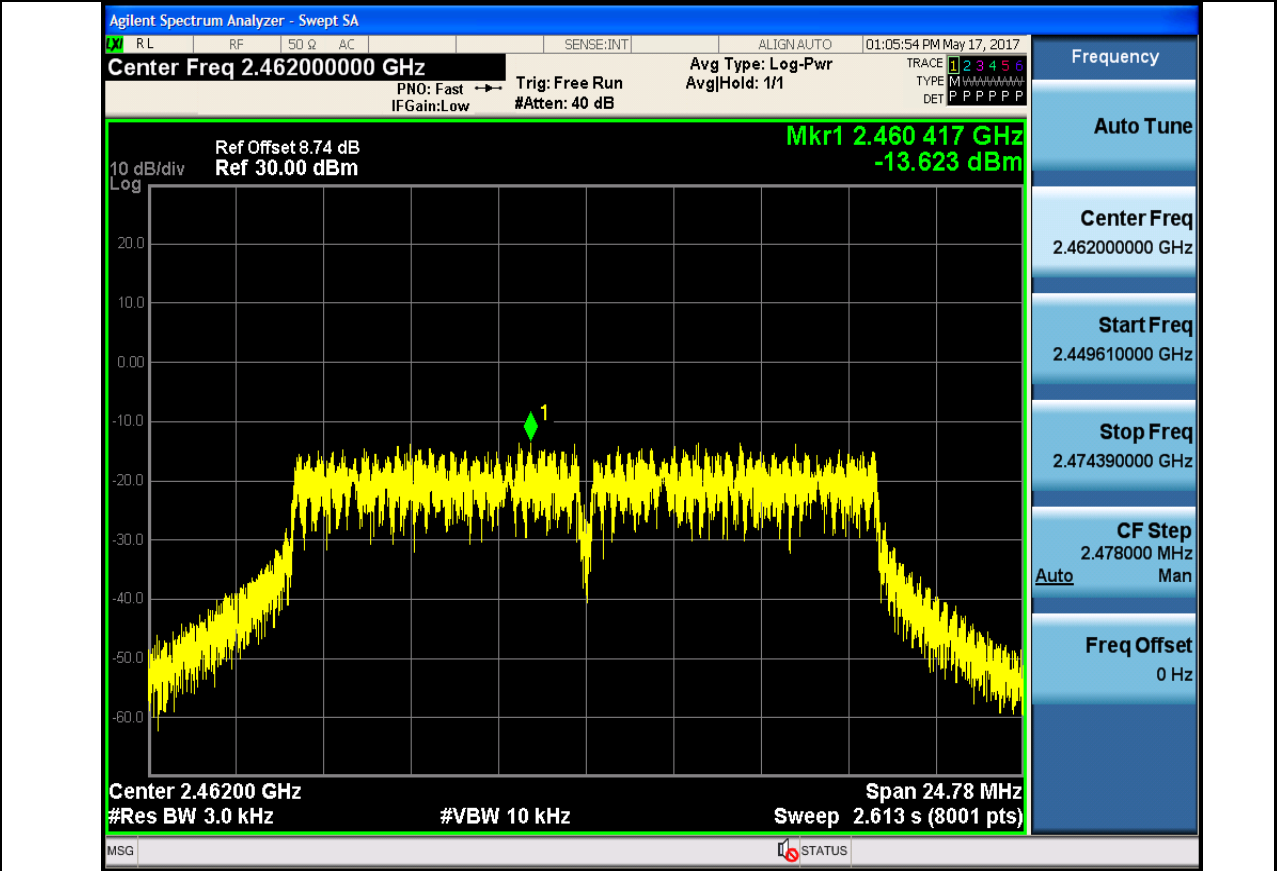
Maximum Peak power spectral density\_11G\_2412\_Ant1



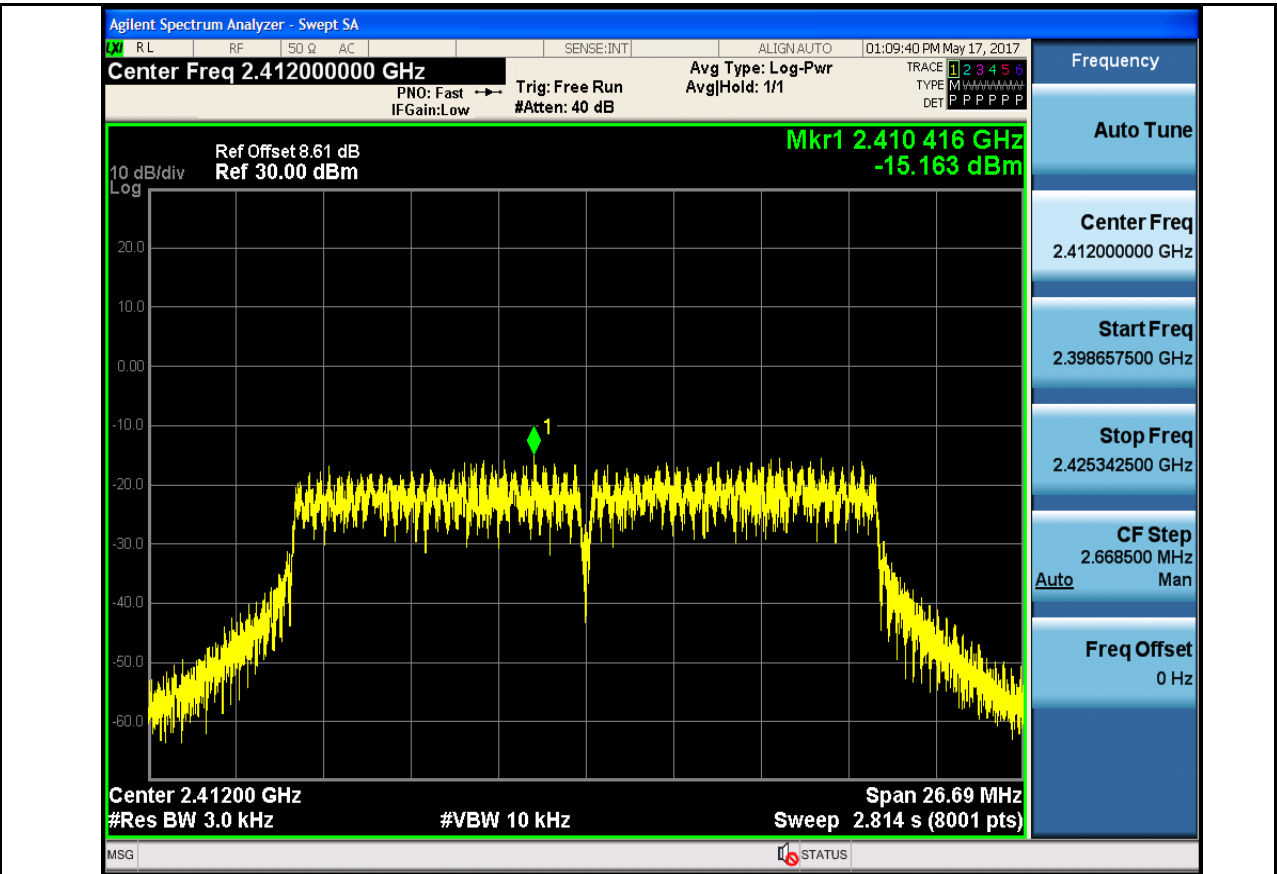
Maximum Peak power spectral density\_11G\_2437\_Ant1



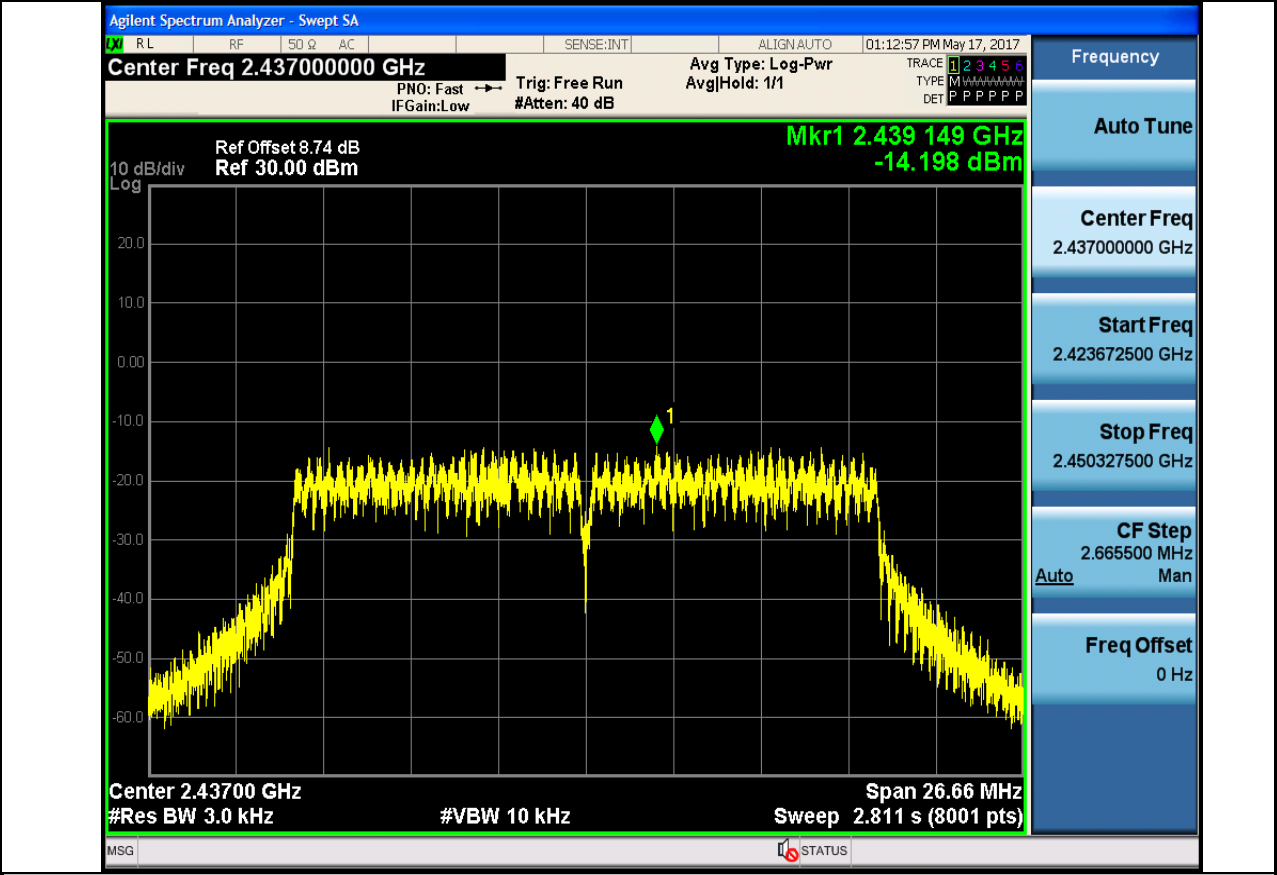
Maximum Peak power spectral density\_11G\_2462\_Ant1



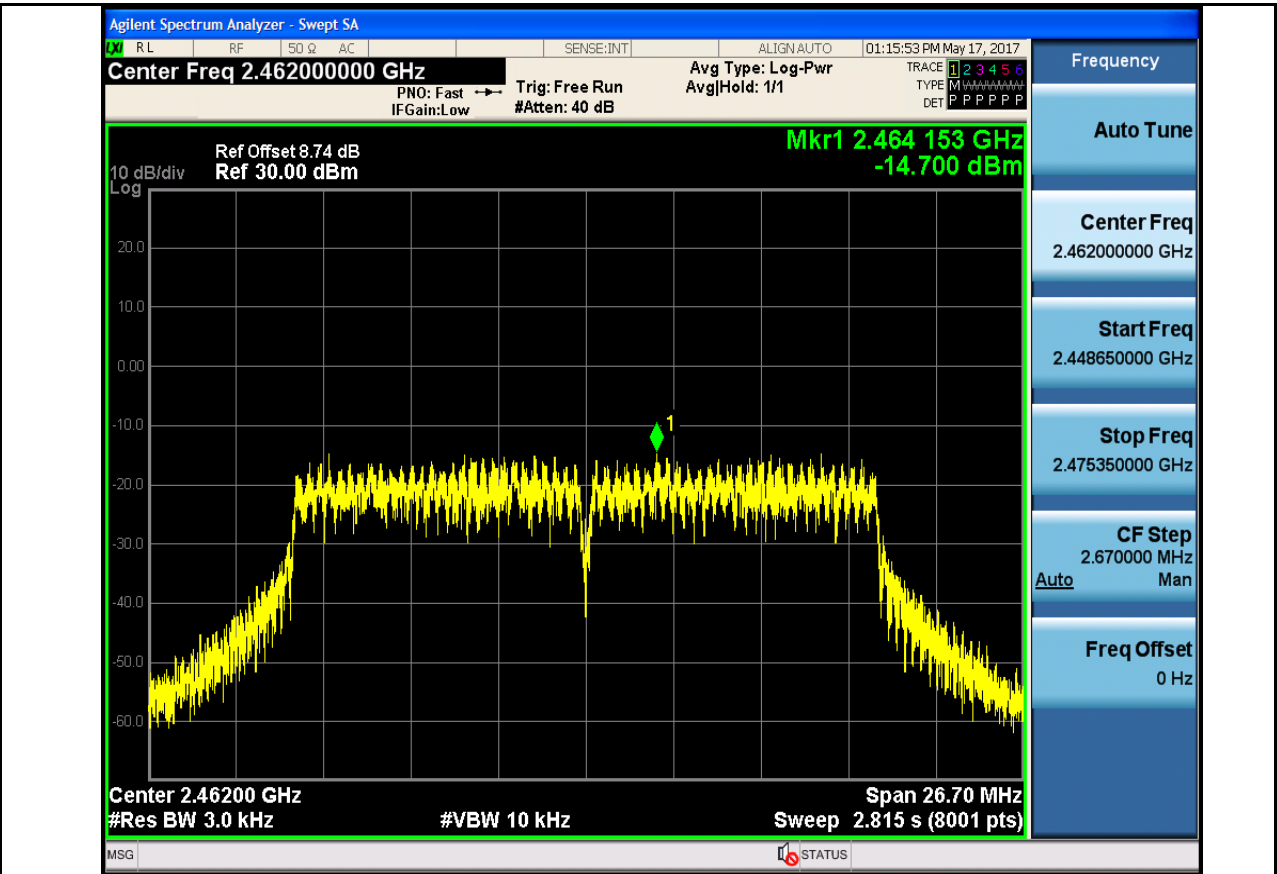
Maximum Peak power spectral density\_11N20SISO\_2412\_Ant1



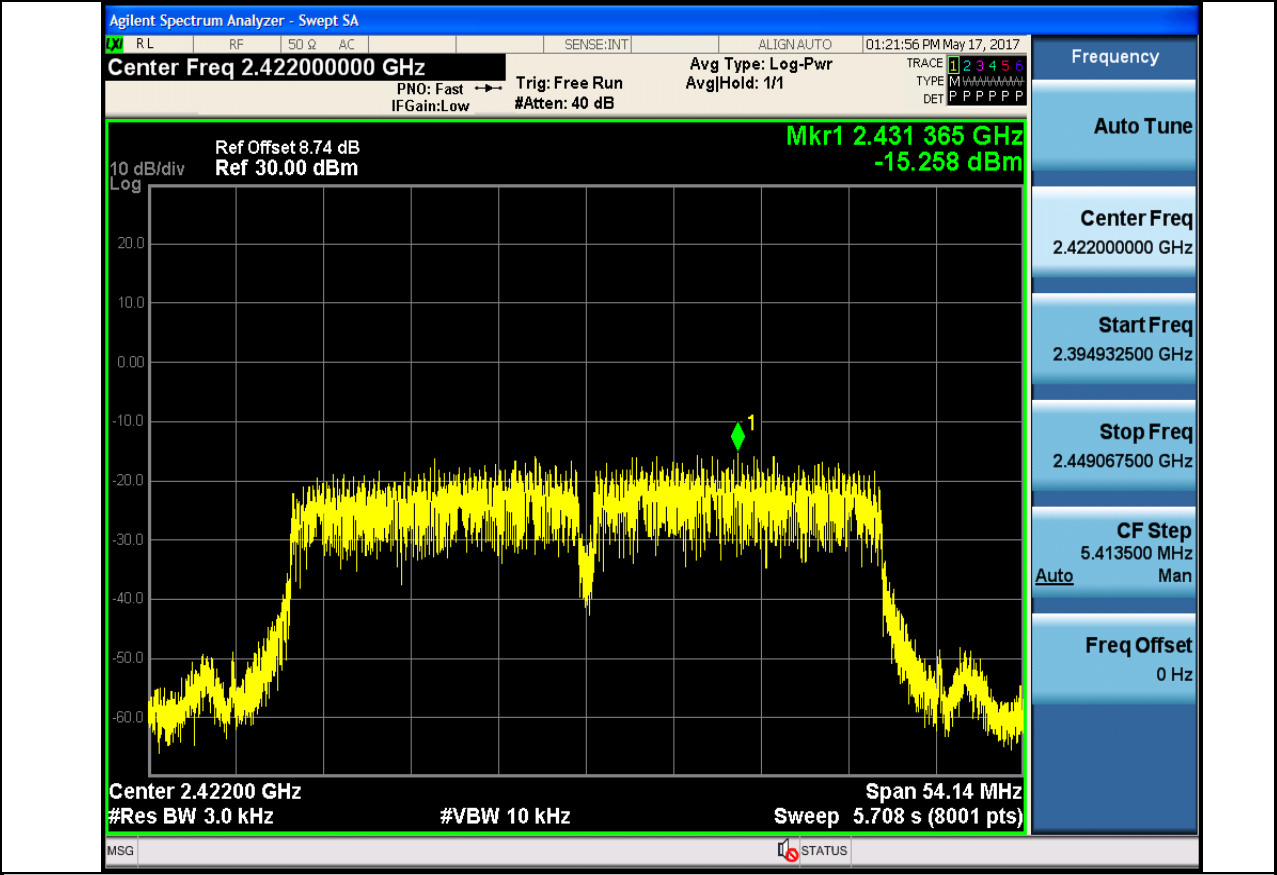
Maximum Peak power spectral density\_11N20SISO\_2437\_Ant1



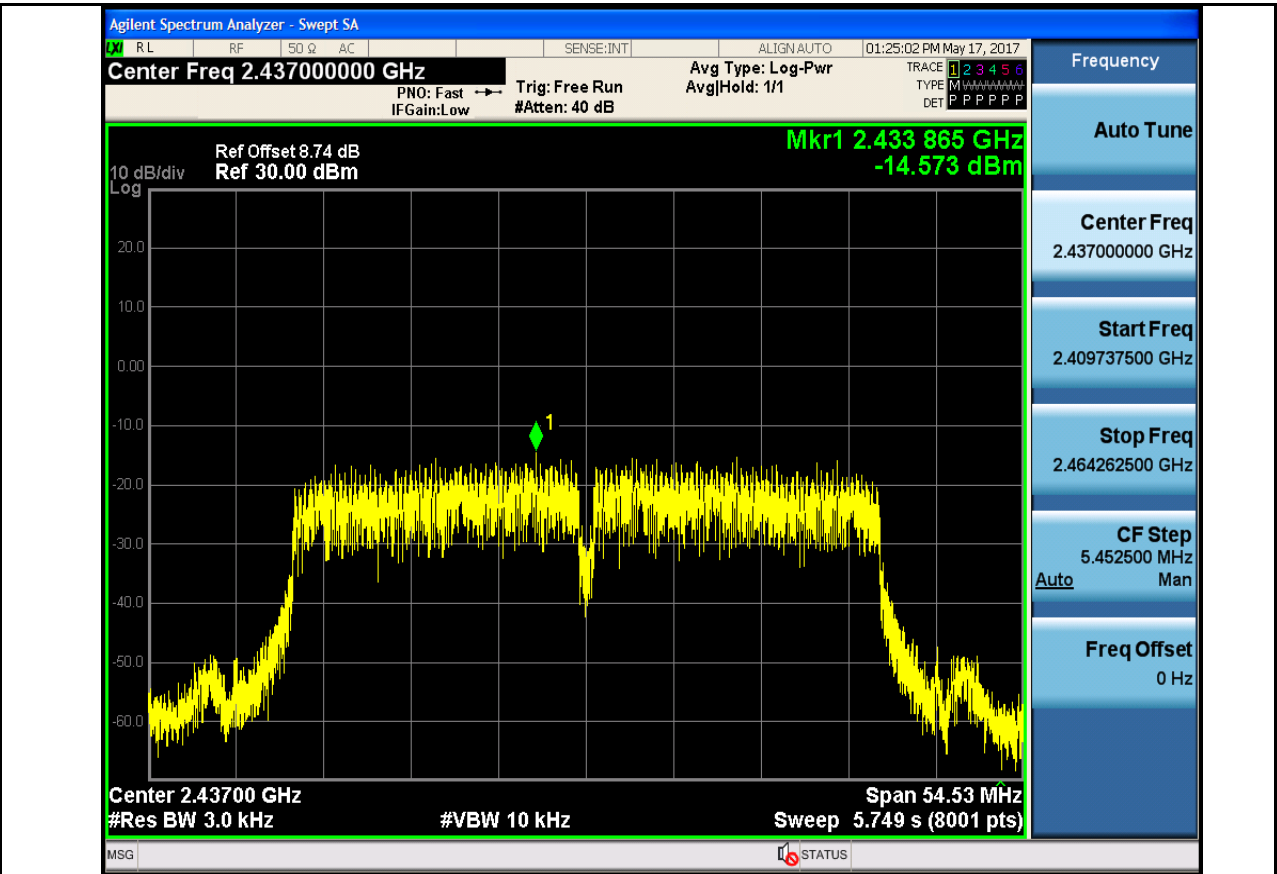
Maximum Peak power spectral density\_11N20SISO\_2462\_Ant1



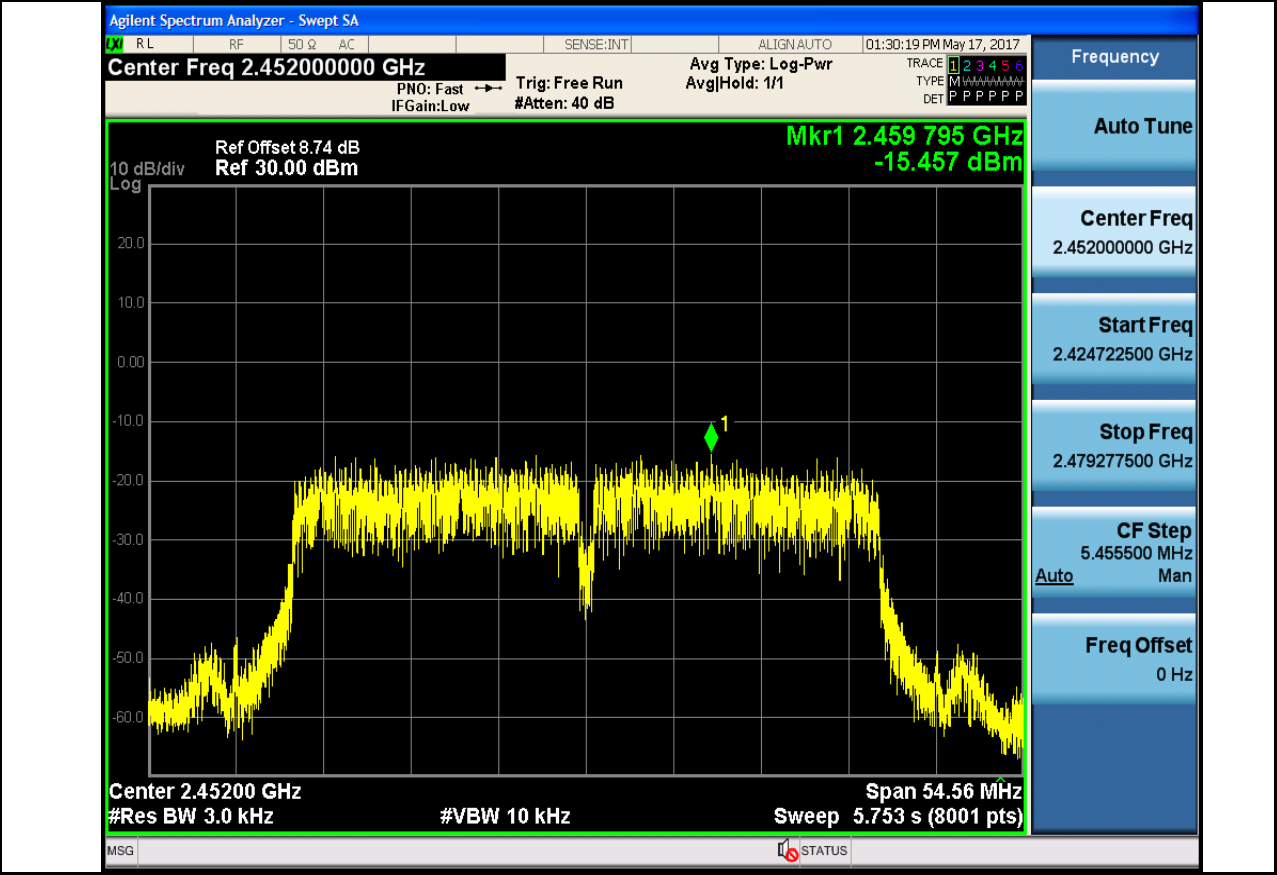
Maximum Peak power spectral density\_11N40SISO\_2422\_Ant1



Maximum Peak power spectral density\_11N40SISO\_2437\_Ant1



Maximum Peak power spectral density\_11N40SISO\_2452\_Ant1

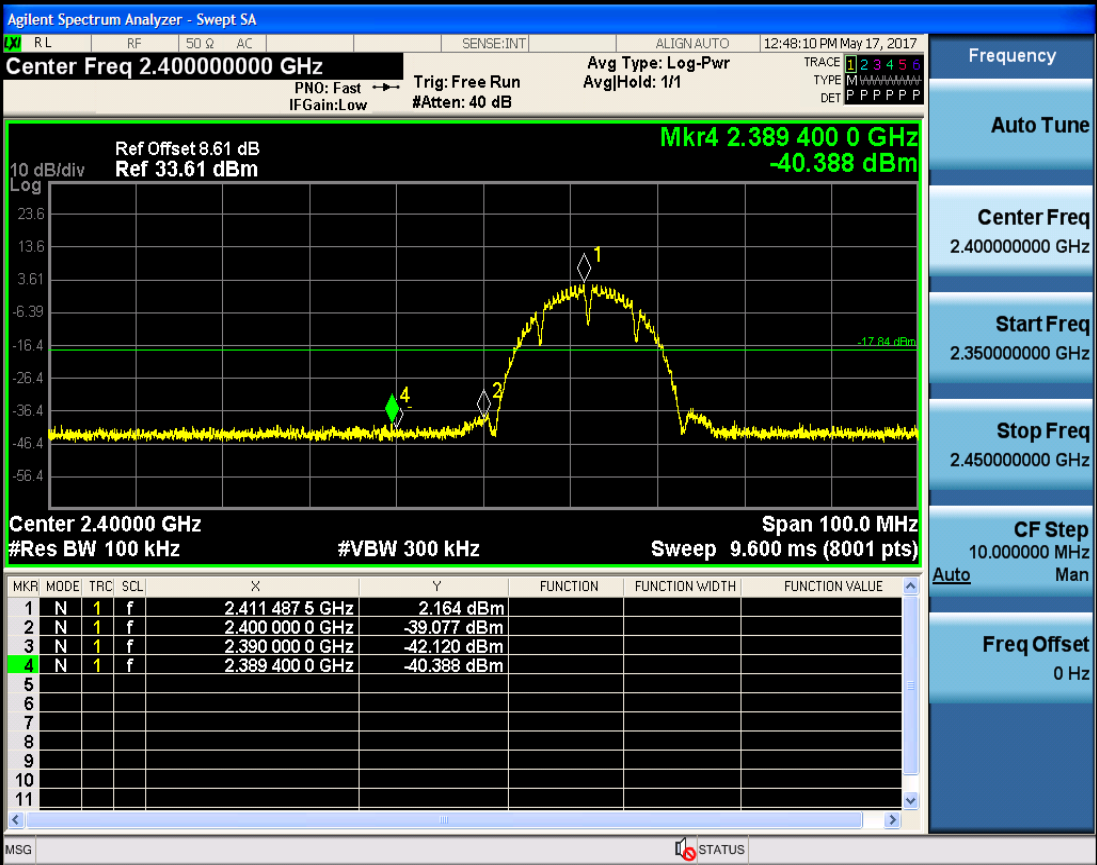


4.Band-edge for RF Conducted Emissions

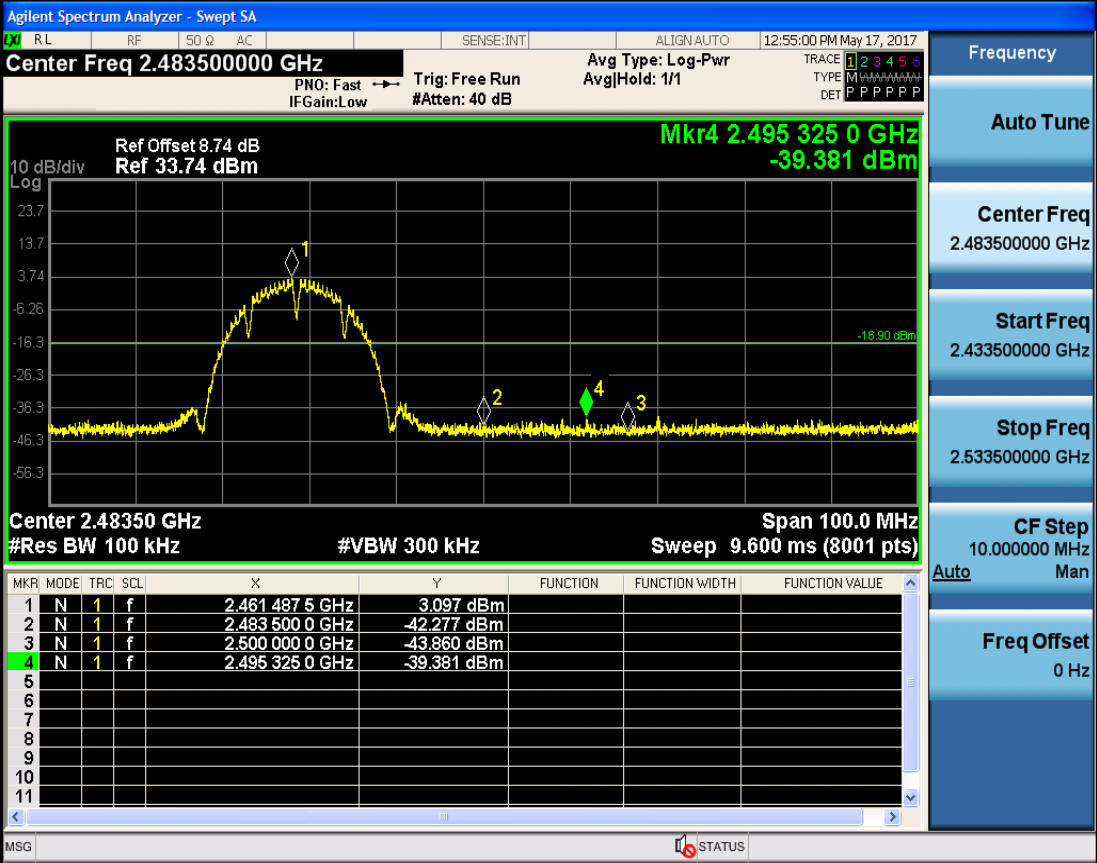
| Test Mode | Test Channel | Ant  | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|--------------------|---------------------------|-------------|---------|
| 11B       | 2412         | Ant1 | 2.164              | -40.388                   | -17.84      | PASS    |
| 11B       | 2462         | Ant1 | 3.097              | -39.381                   | -16.9       | PASS    |
| 11G       | 2412         | Ant1 | -0.189             | -40.023                   | -20.19      | PASS    |
| 11G       | 2462         | Ant1 | 0.659              | -39.510                   | -19.34      | PASS    |
| 11N20SISO | 2412         | Ant1 | -1.578             | -40.283                   | -21.58      | PASS    |
| 11N20SISO | 2462         | Ant1 | -0.652             | -39.600                   | -20.65      | PASS    |
| 11N40SISO | 2422         | Ant1 | -2.020             | -39.884                   | -22.02      | PASS    |
| 11N40SISO | 2452         | Ant1 | -2.212             | -37.842                   | -22.21      | PASS    |

TEST PLOT

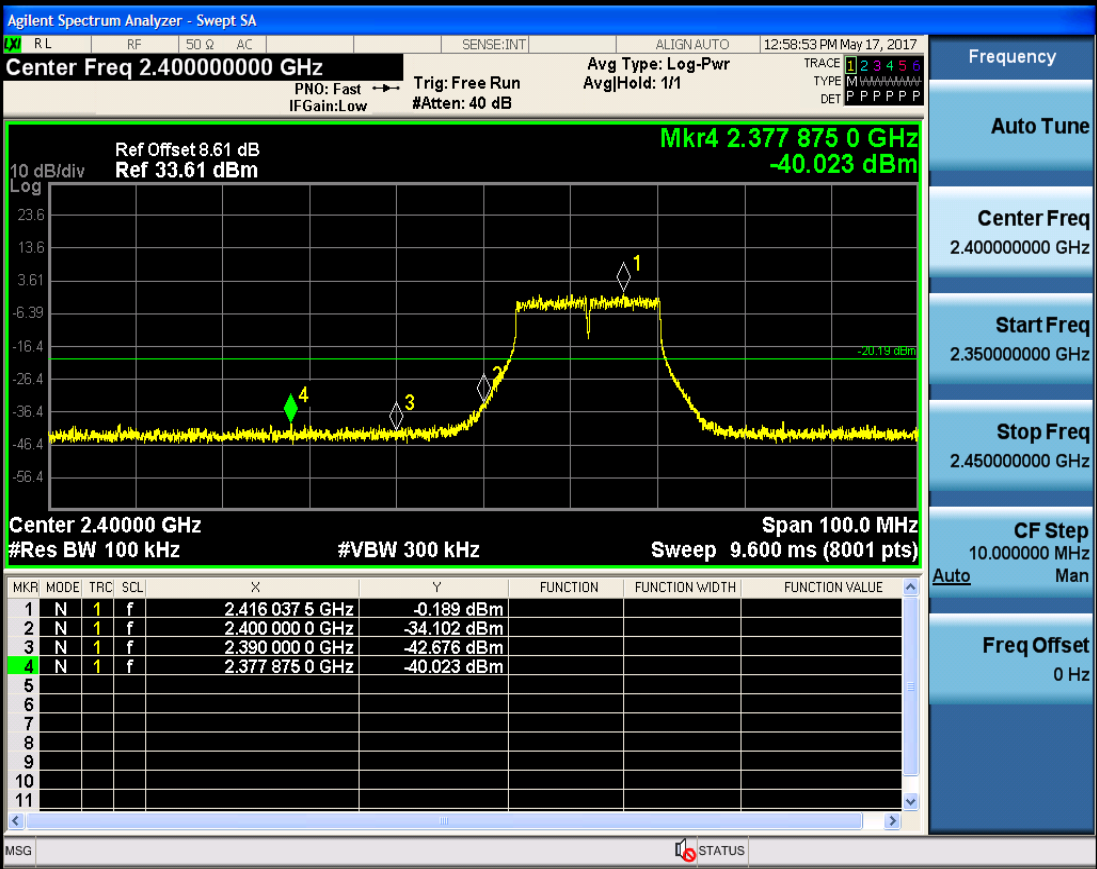
Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



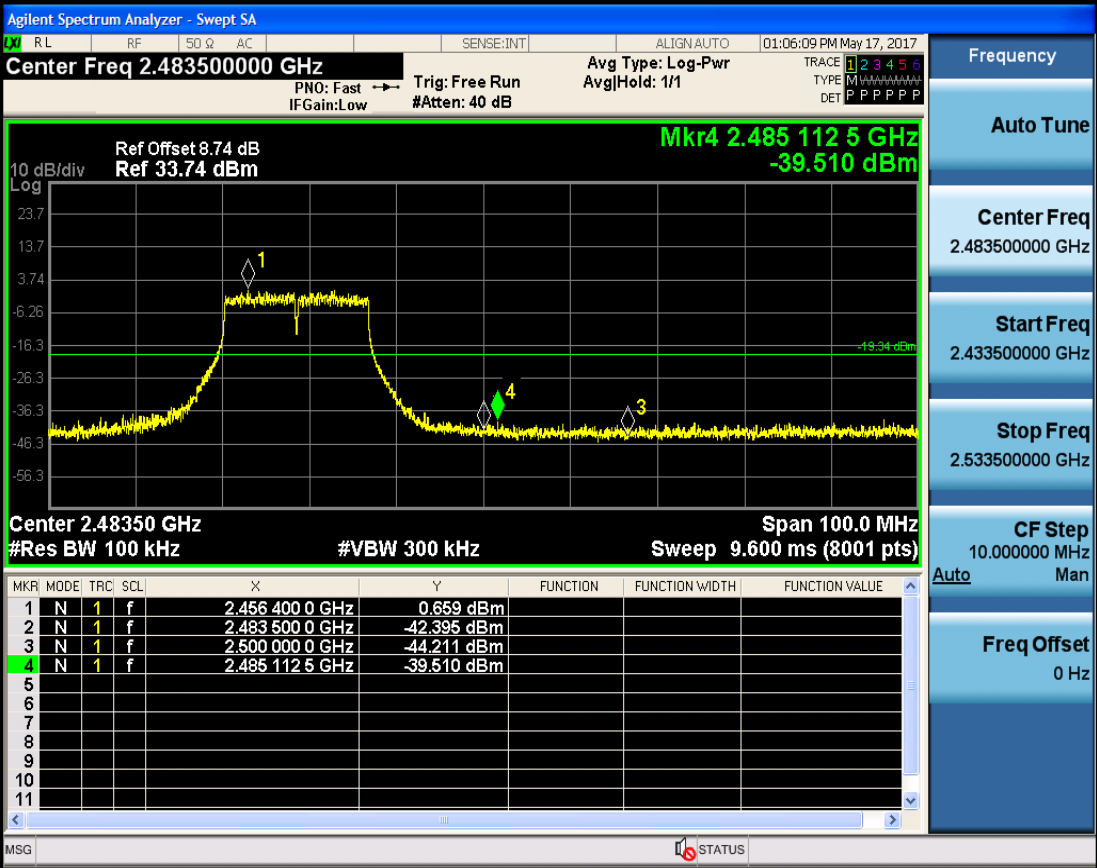
Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



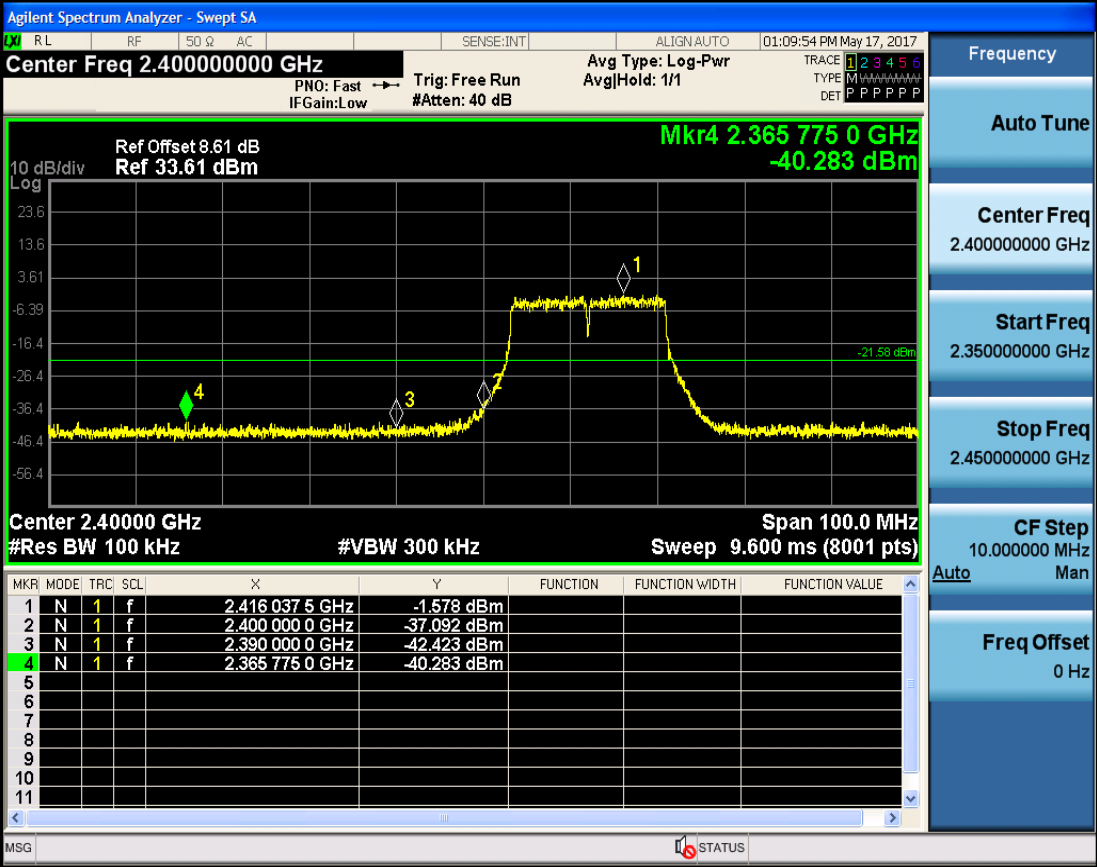
Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



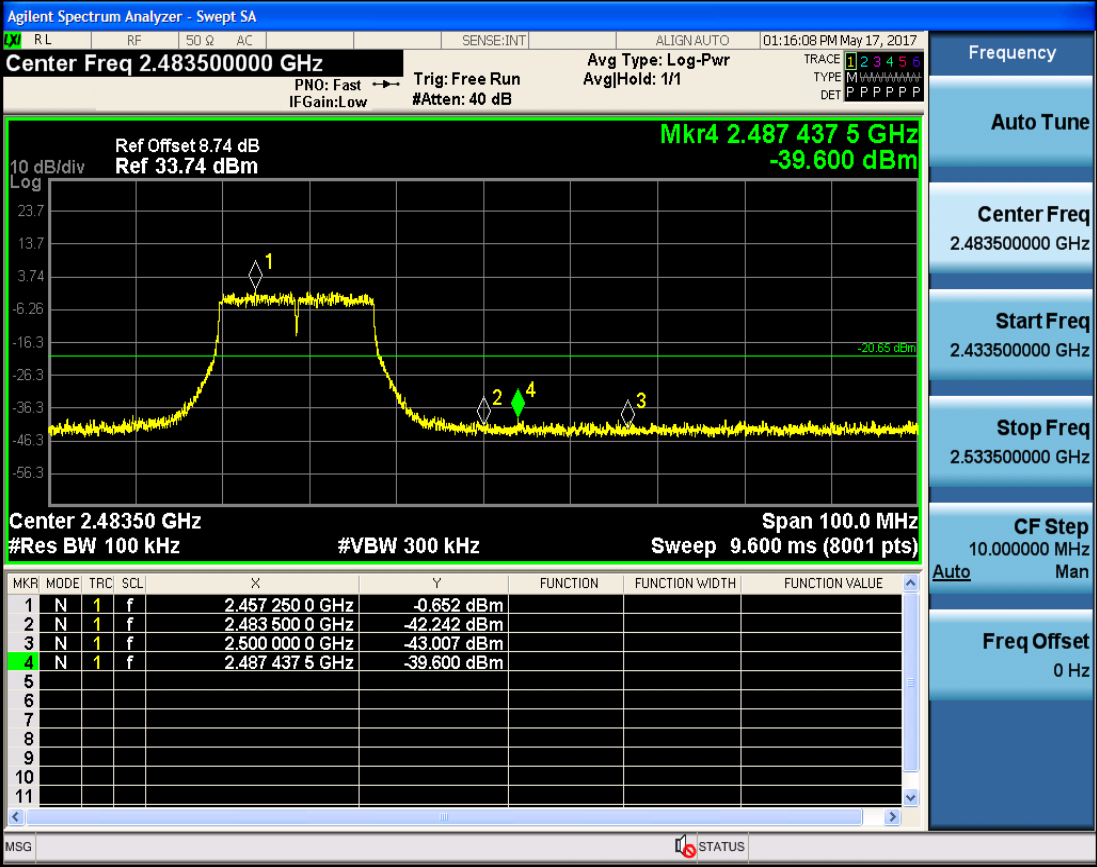
Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



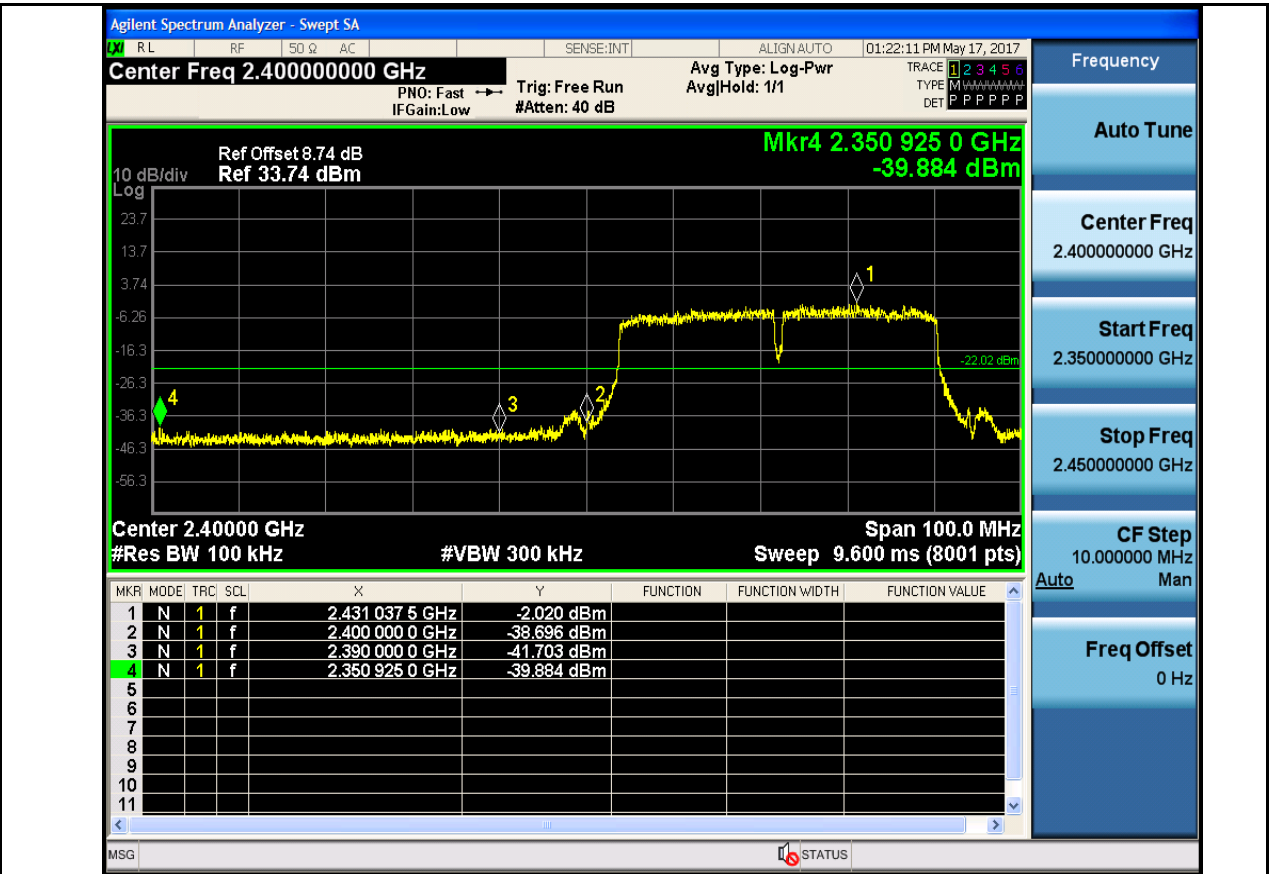
Band-edge for RF Conducted Emissions\_11N20SISO\_2412\_Ant1



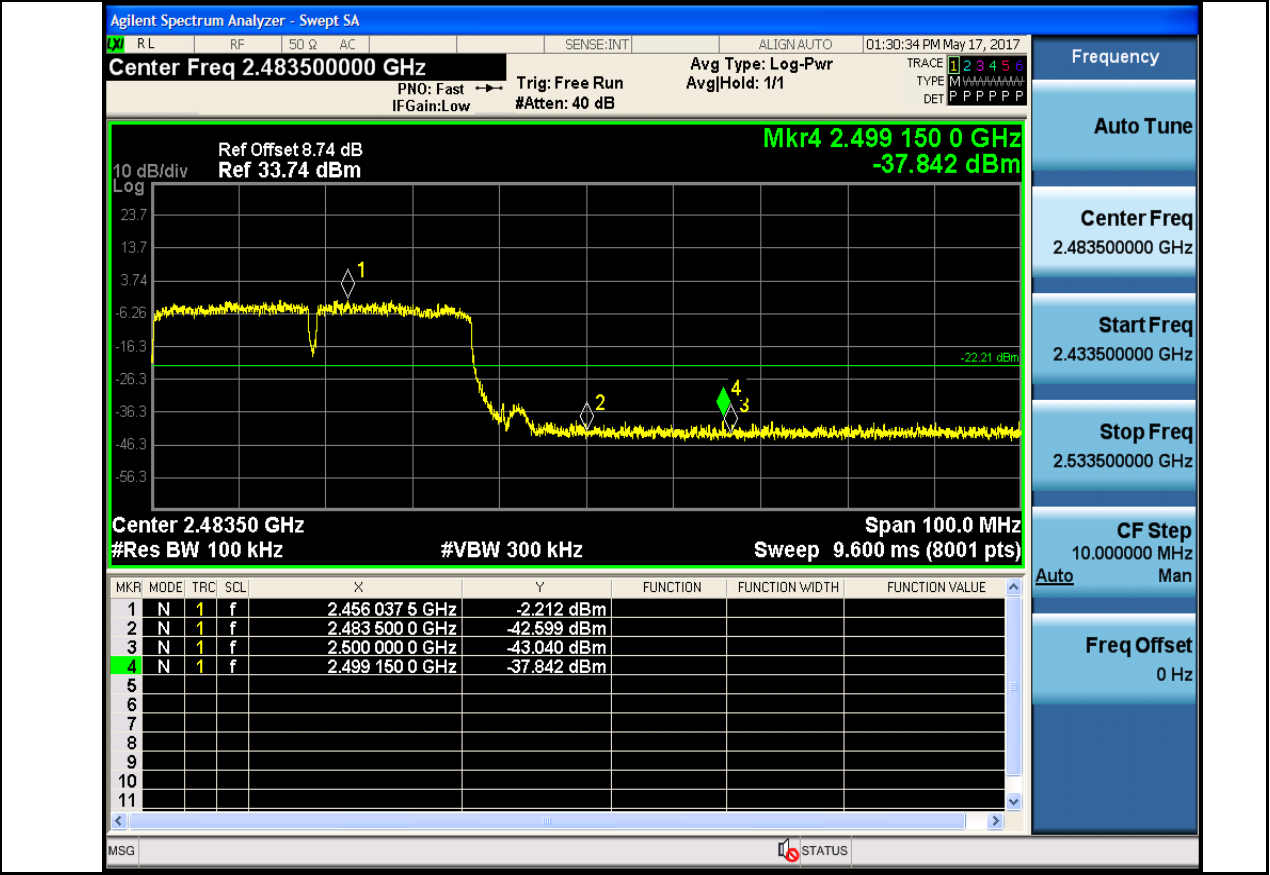
Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1



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

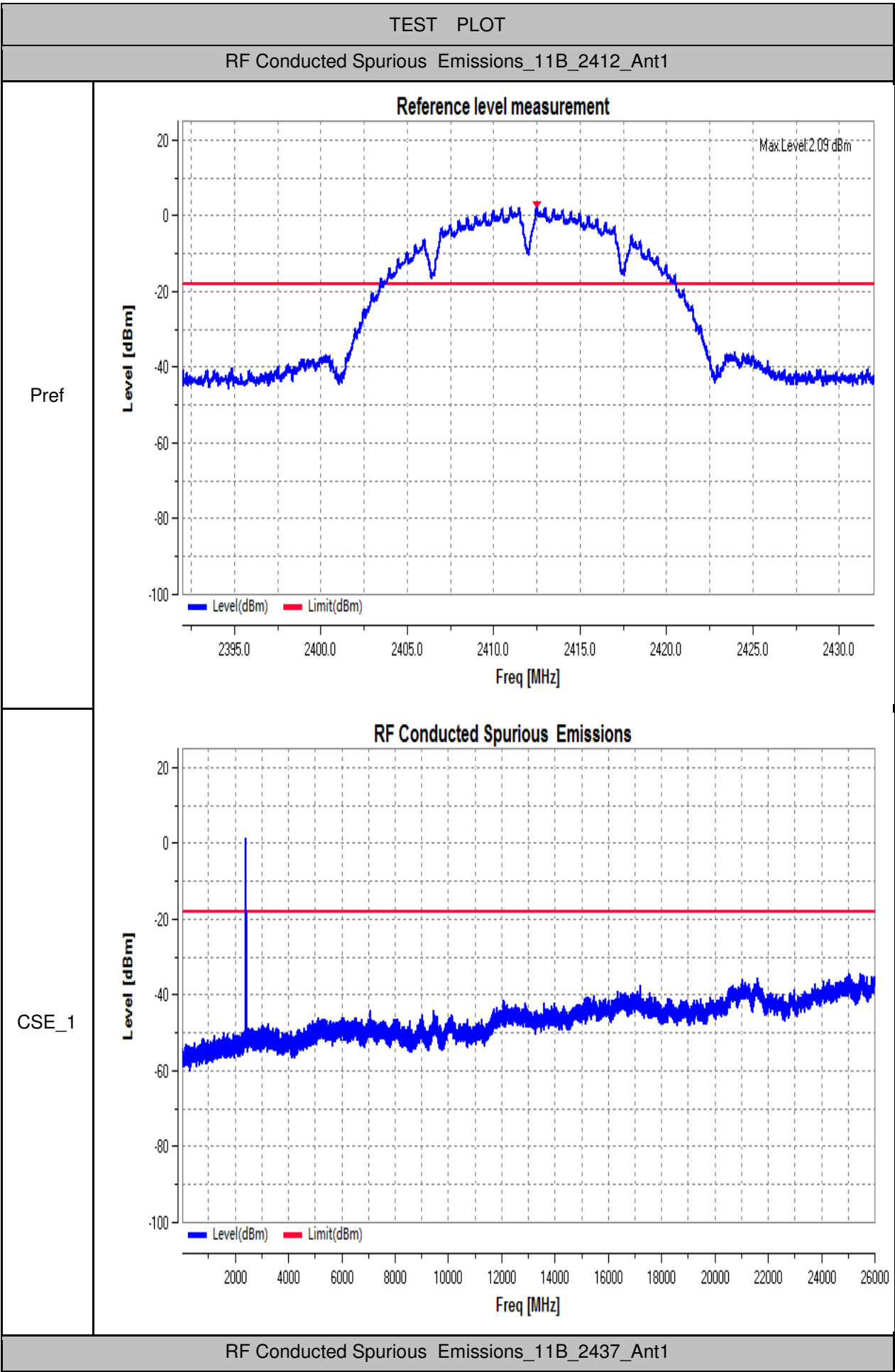


Band-edge for RF Conducted Emissions\_11N40SISO\_2452\_Ant1

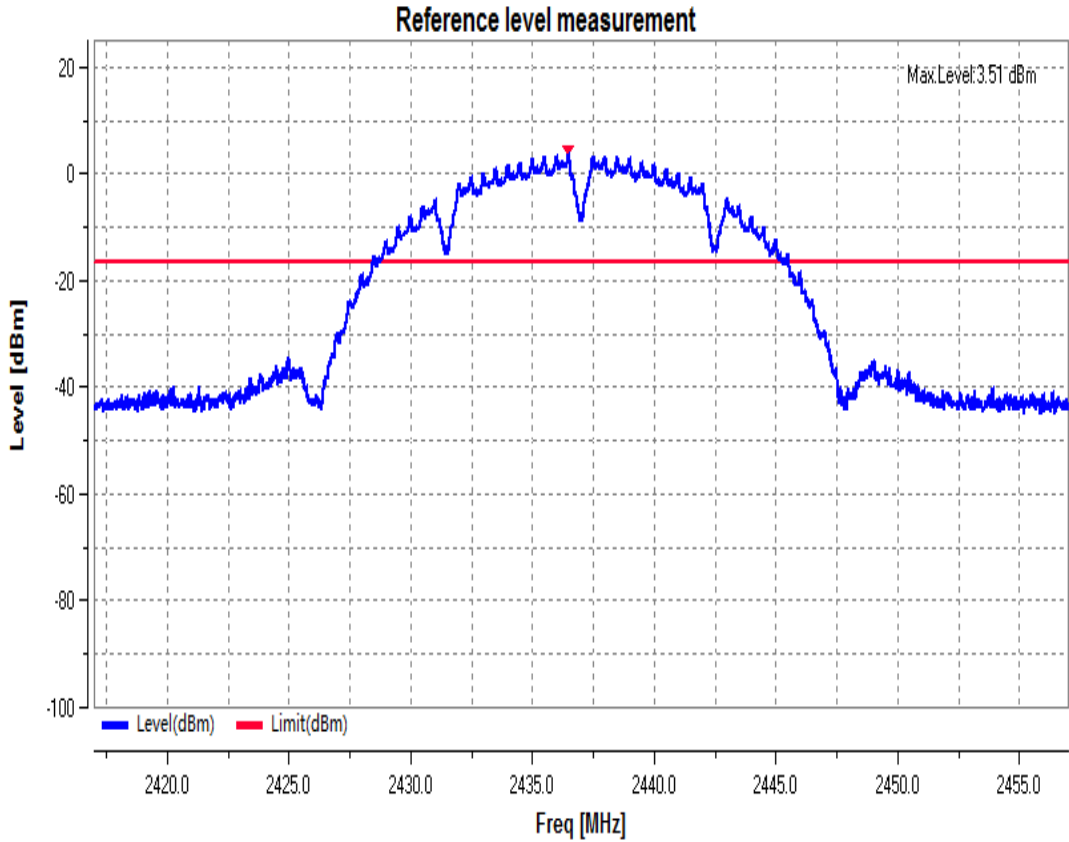


## 5.RF Conducted Spurious Emissions

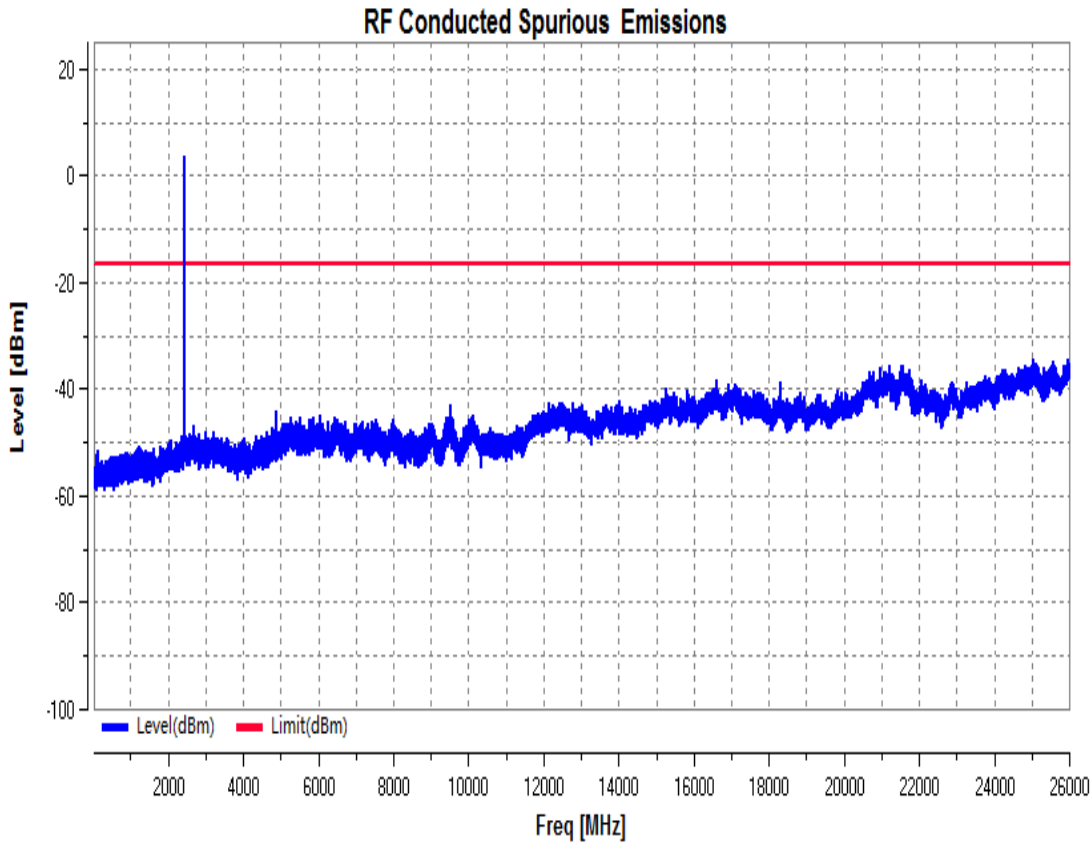
| Test Mode | Test Channel | Ant  | StartFre [MHz] | StopFre [MHz] | RBW [kHz] | VBW [kHz] | Pref[dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|----------------|---------------|-----------|-----------|-----------|------------------|-------------|---------|
| 11B       | 2412         | Ant1 | 30             | 10000         | 100       | 300       | 2.086     | -43.937          | -17.914     | PASS    |
| 11B       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | 2.086     | -34.513          | -17.914     | PASS    |
| 11B       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 3.514     | -43.066          | -16.486     | PASS    |
| 11B       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 3.514     | -34.212          | -16.486     | PASS    |
| 11B       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 2.969     | -43.920          | -17.031     | PASS    |
| 11B       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 2.969     | -33.416          | -17.031     | PASS    |
| 11G       | 2412         | Ant1 | 30             | 10000         | 100       | 300       | -0.29     | -44.338          | -20.29      | PASS    |
| 11G       | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | -0.29     | -34.436          | -20.29      | PASS    |
| 11G       | 2437         | Ant1 | 30             | 10000         | 100       | 300       | 0.994     | -43.295          | -19.006     | PASS    |
| 11G       | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | 0.994     | -33.722          | -19.006     | PASS    |
| 11G       | 2462         | Ant1 | 30             | 10000         | 100       | 300       | 0.583     | -44.152          | -19.417     | PASS    |
| 11G       | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | 0.583     | -33.149          | -19.417     | PASS    |
| 11N20SISO | 2412         | Ant1 | 30             | 10000         | 100       | 300       | -1.493    | -44.675          | -21.493     | PASS    |
| 11N20SISO | 2412         | Ant1 | 10000          | 26000         | 100       | 300       | -1.493    | -33.967          | -21.493     | PASS    |
| 11N20SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -0.114    | -44.748          | -20.114     | PASS    |
| 11N20SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -0.114    | -34.065          | -20.114     | PASS    |
| 11N20SISO | 2462         | Ant1 | 30             | 10000         | 100       | 300       | -0.935    | -44.609          | -20.935     | PASS    |
| 11N20SISO | 2462         | Ant1 | 10000          | 26000         | 100       | 300       | -0.935    | -33.841          | -20.935     | PASS    |
| 11N40SISO | 2422         | Ant1 | 30             | 10000         | 100       | 300       | -1.981    | -43.215          | -21.981     | PASS    |
| 11N40SISO | 2422         | Ant1 | 10000          | 26000         | 100       | 300       | -1.981    | -34.097          | -21.981     | PASS    |
| 11N40SISO | 2437         | Ant1 | 30             | 10000         | 100       | 300       | -1.783    | -44.366          | -21.783     | PASS    |
| 11N40SISO | 2437         | Ant1 | 10000          | 26000         | 100       | 300       | -1.783    | -33.096          | -21.783     | PASS    |
| 11N40SISO | 2452         | Ant1 | 30             | 10000         | 100       | 300       | -2.383    | -44.530          | -22.383     | PASS    |
| 11N40SISO | 2452         | Ant1 | 10000          | 26000         | 100       | 300       | -2.383    | -33.887          | -22.383     | PASS    |



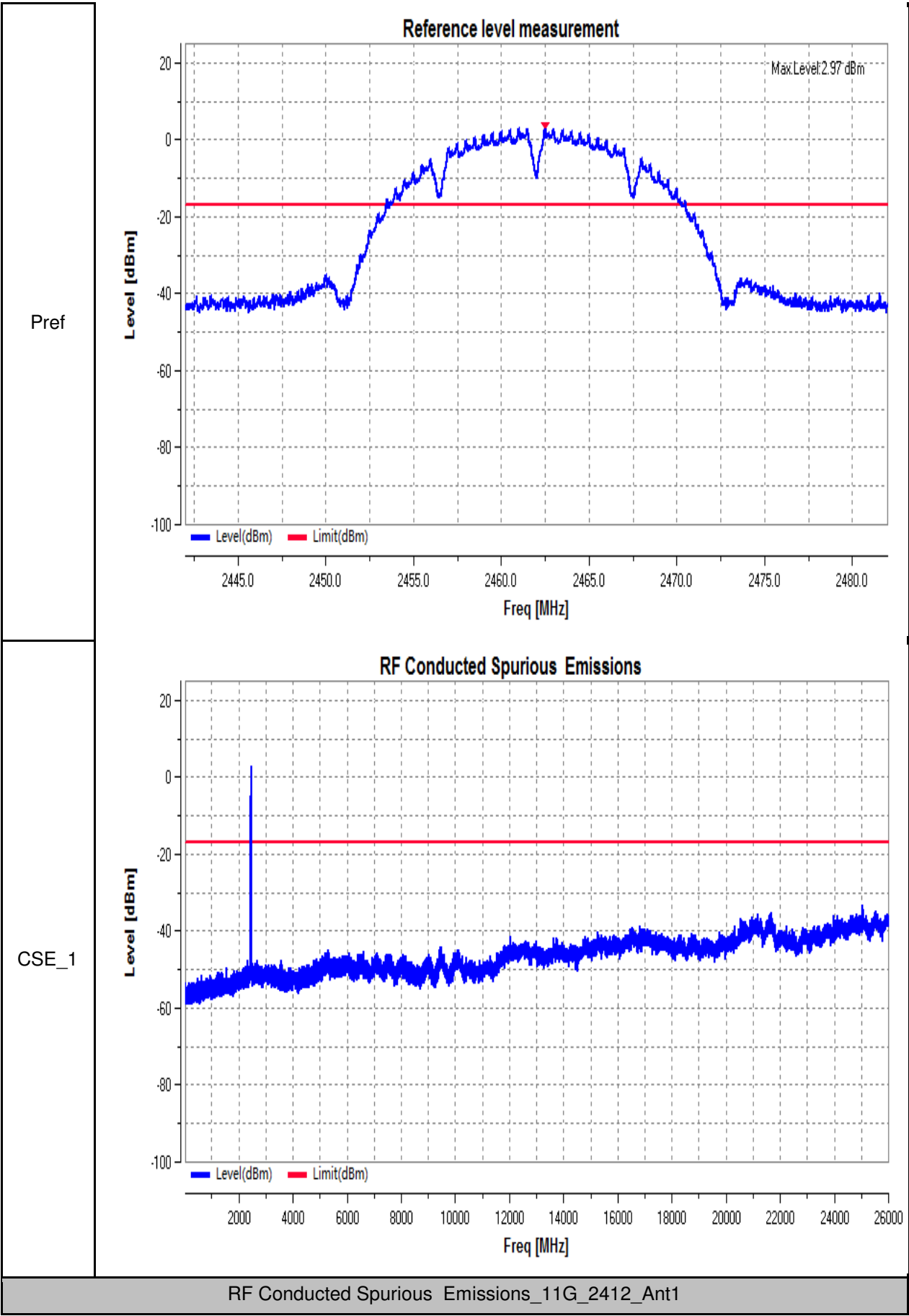
Pref

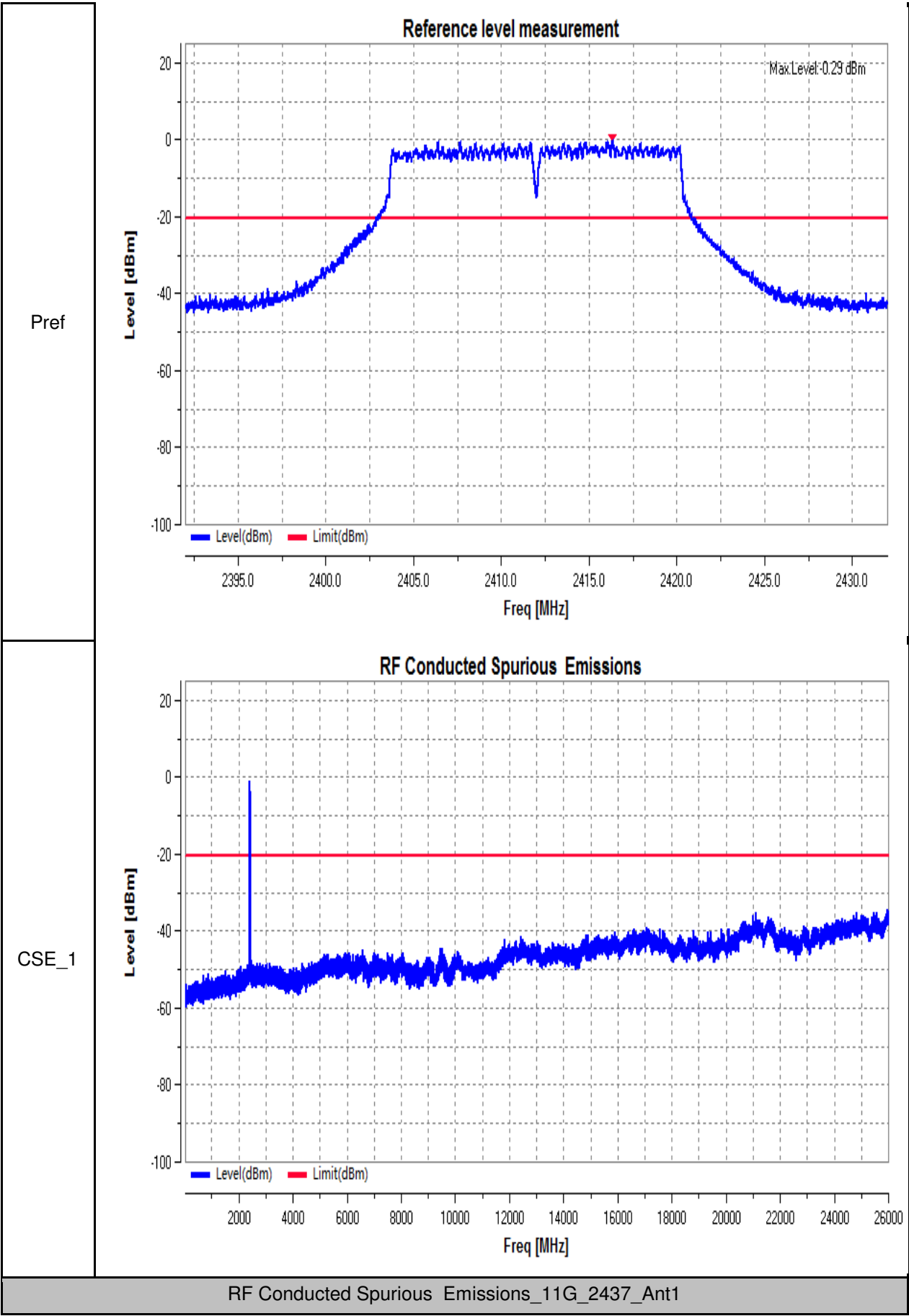


CSE\_1

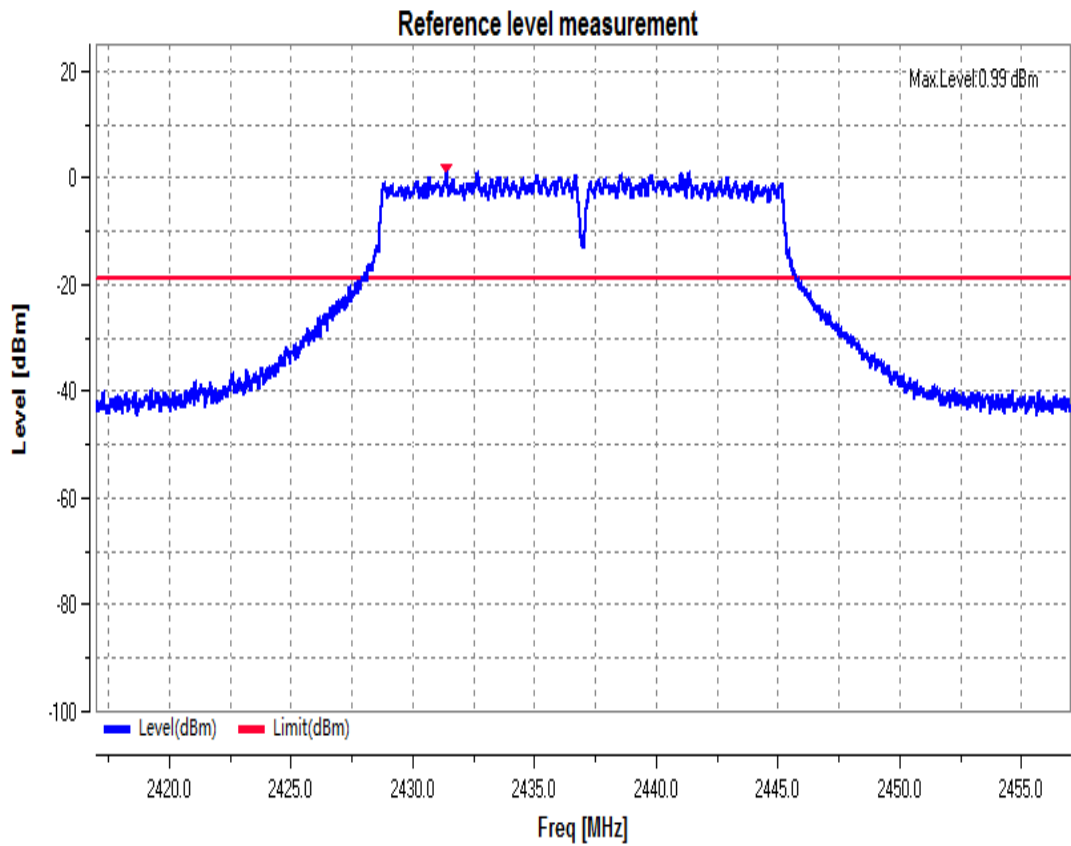


RF Conducted Spurious Emissions\_11B\_2462\_Ant1

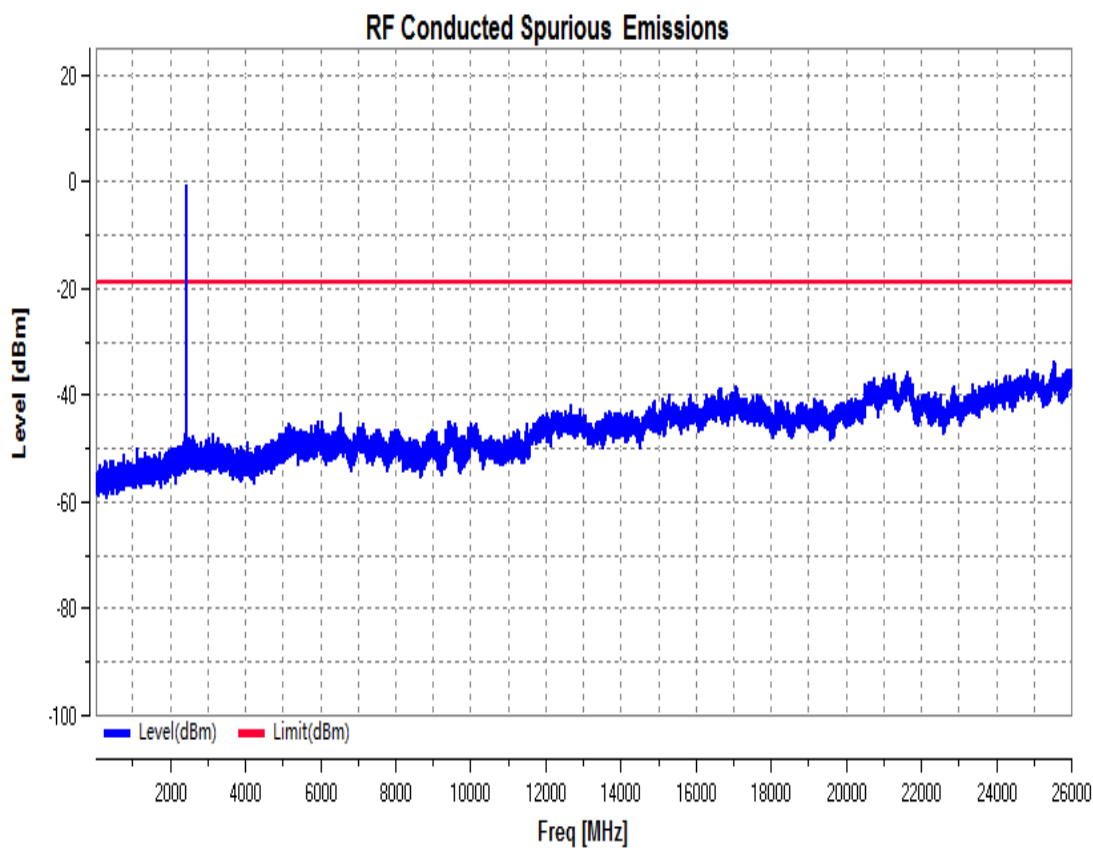




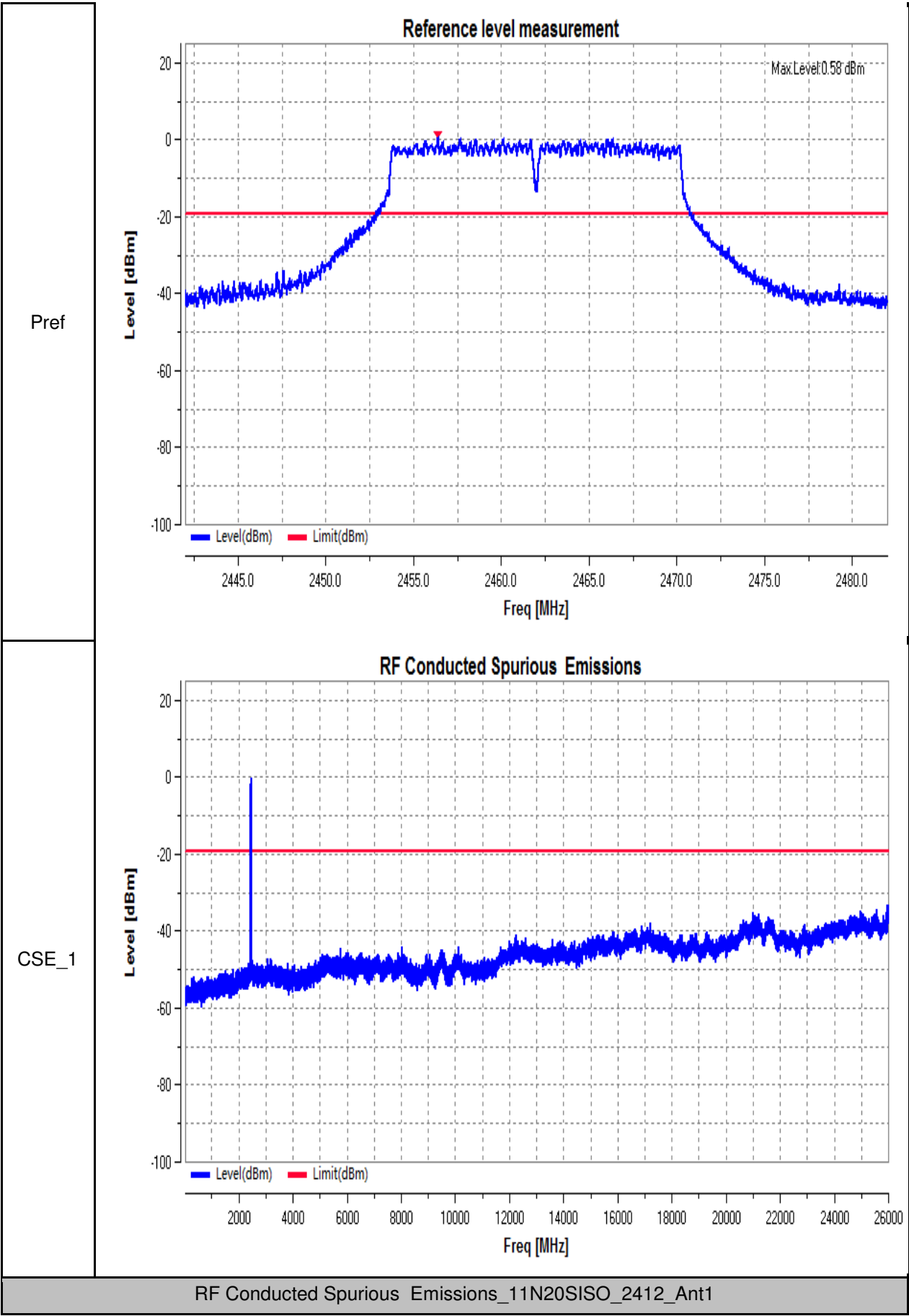
Pref



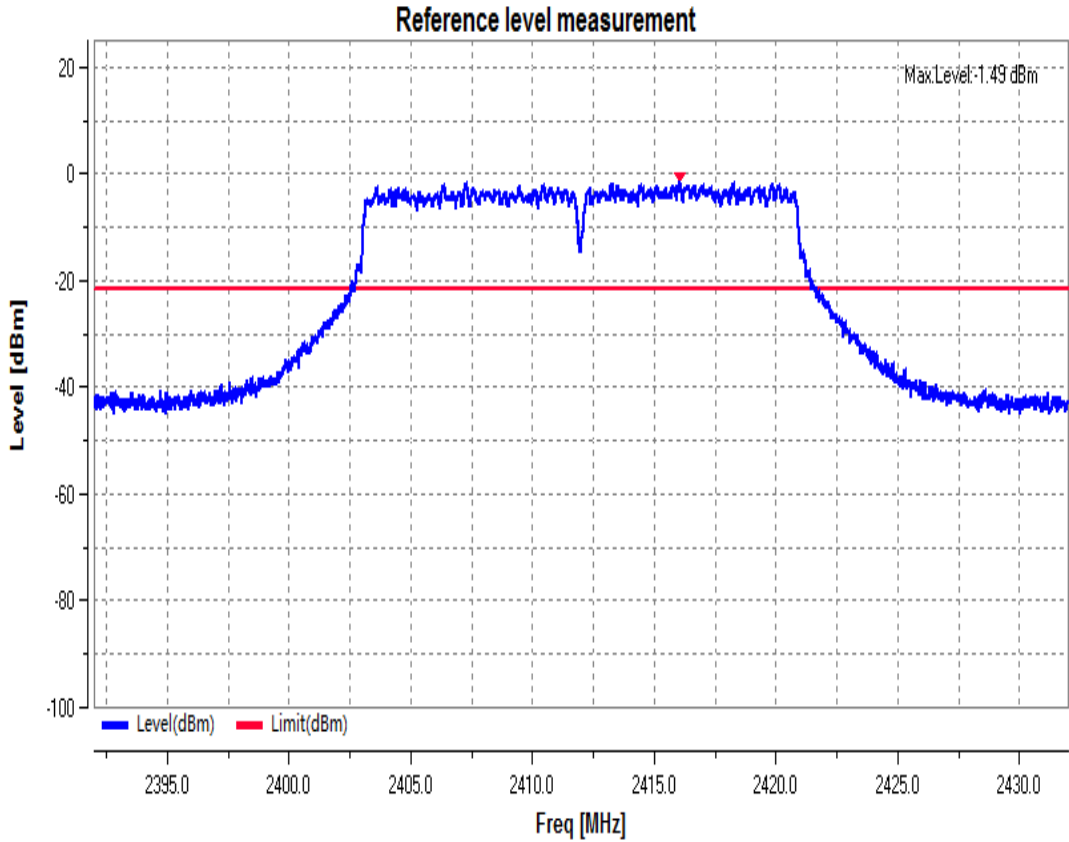
CSE\_1



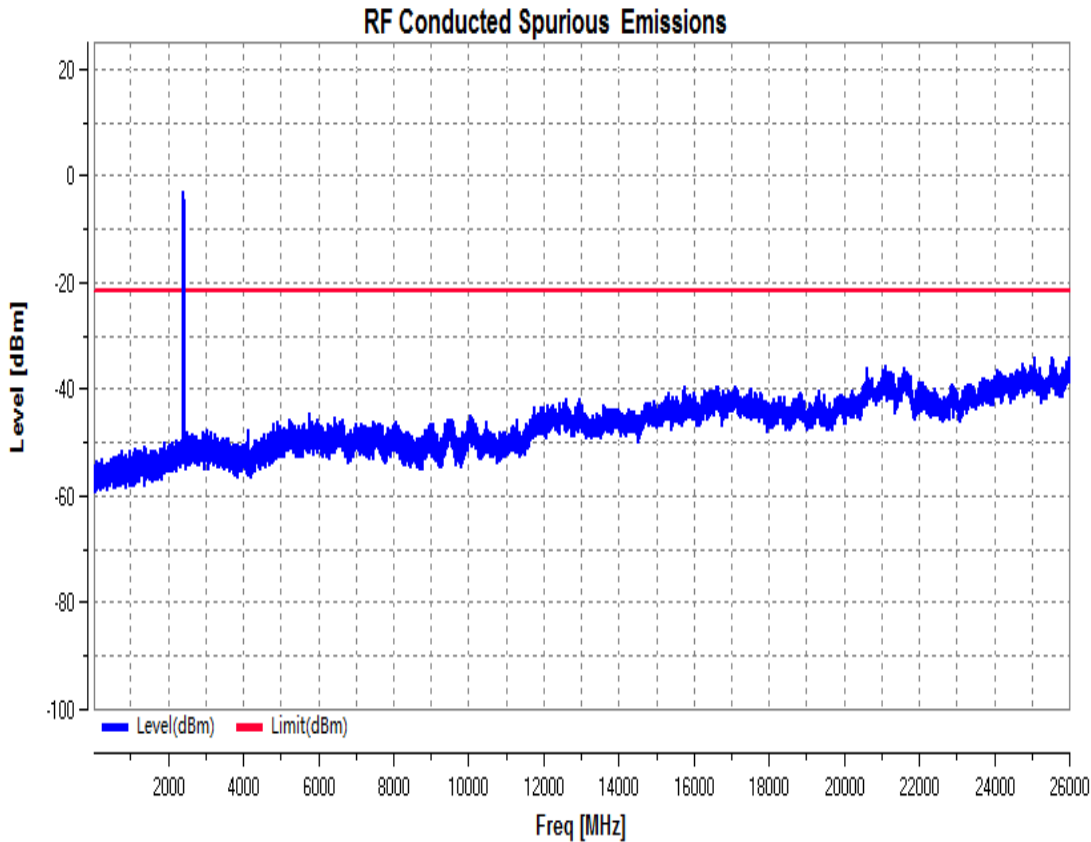
RF Conducted Spurious Emissions\_11G\_2462\_Ant1



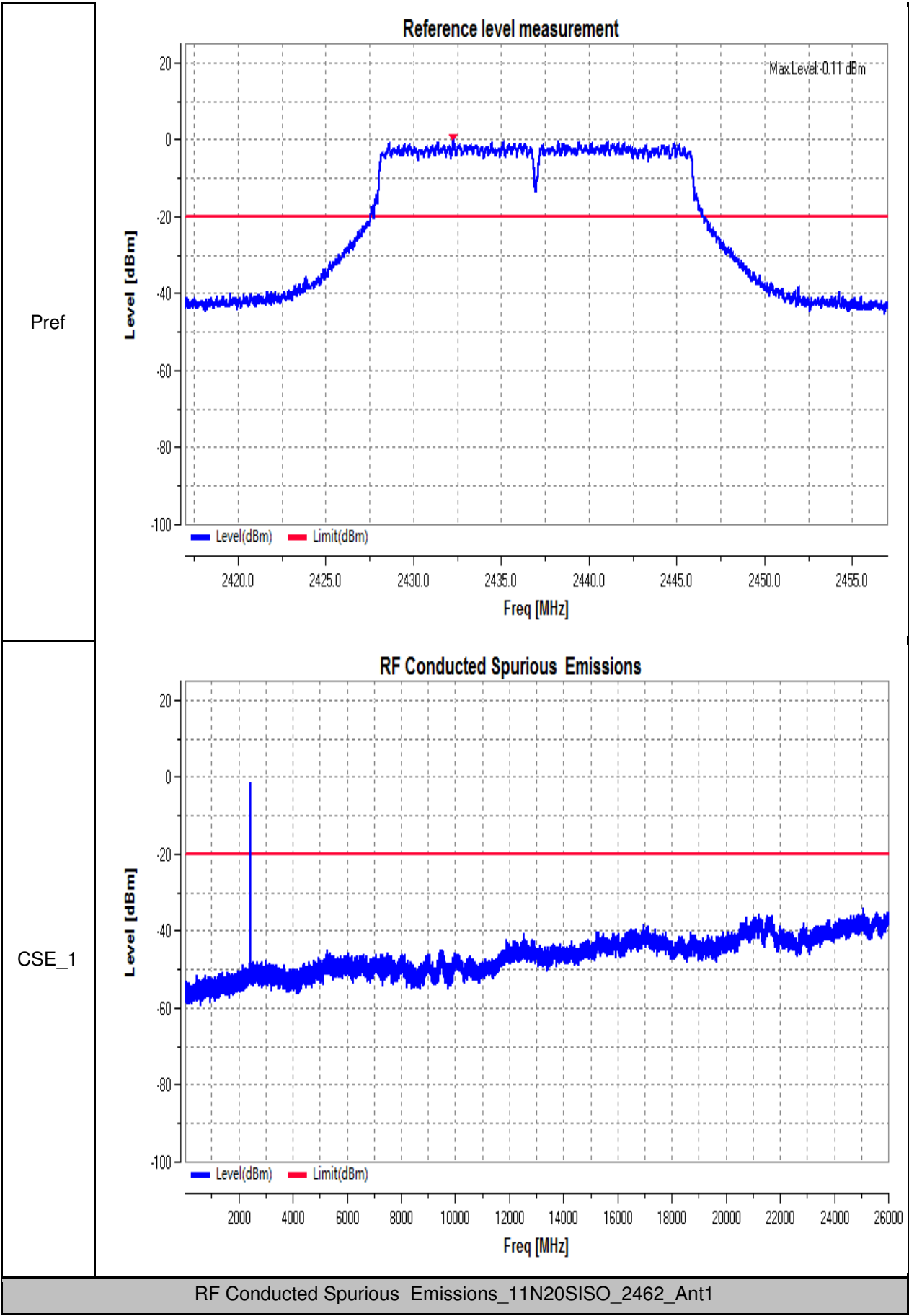
Pref



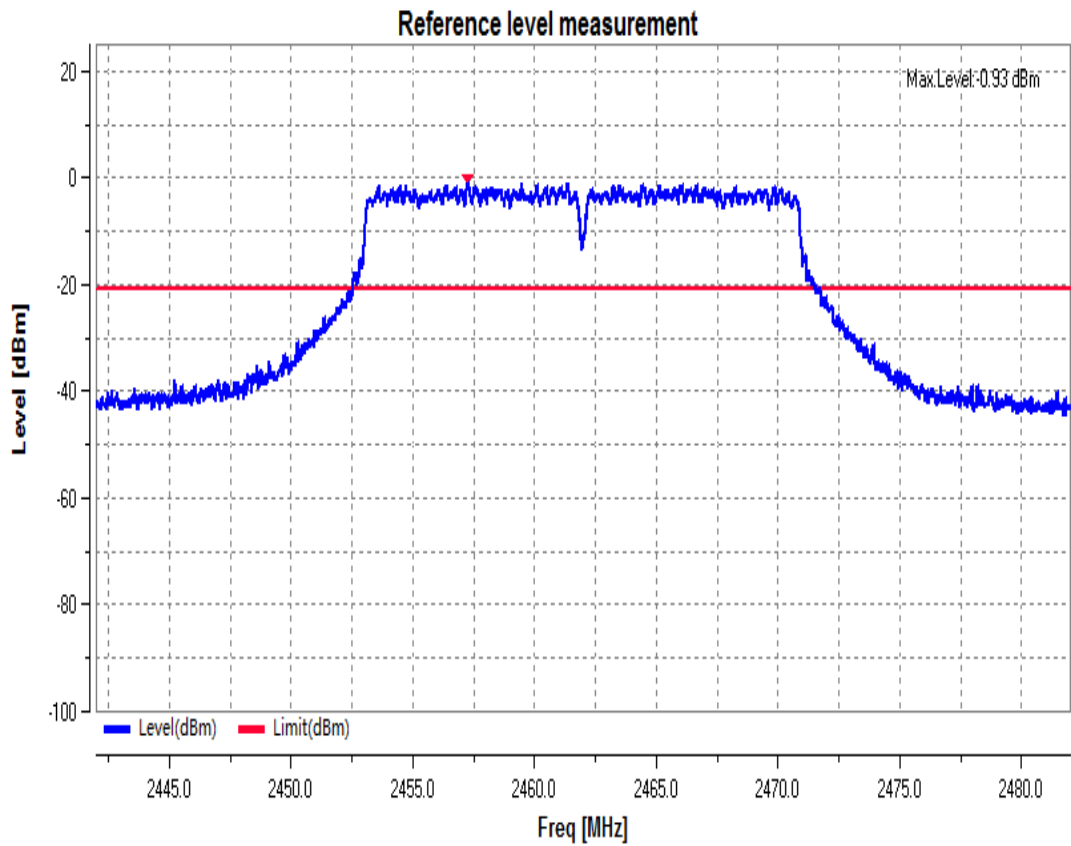
CSE\_1



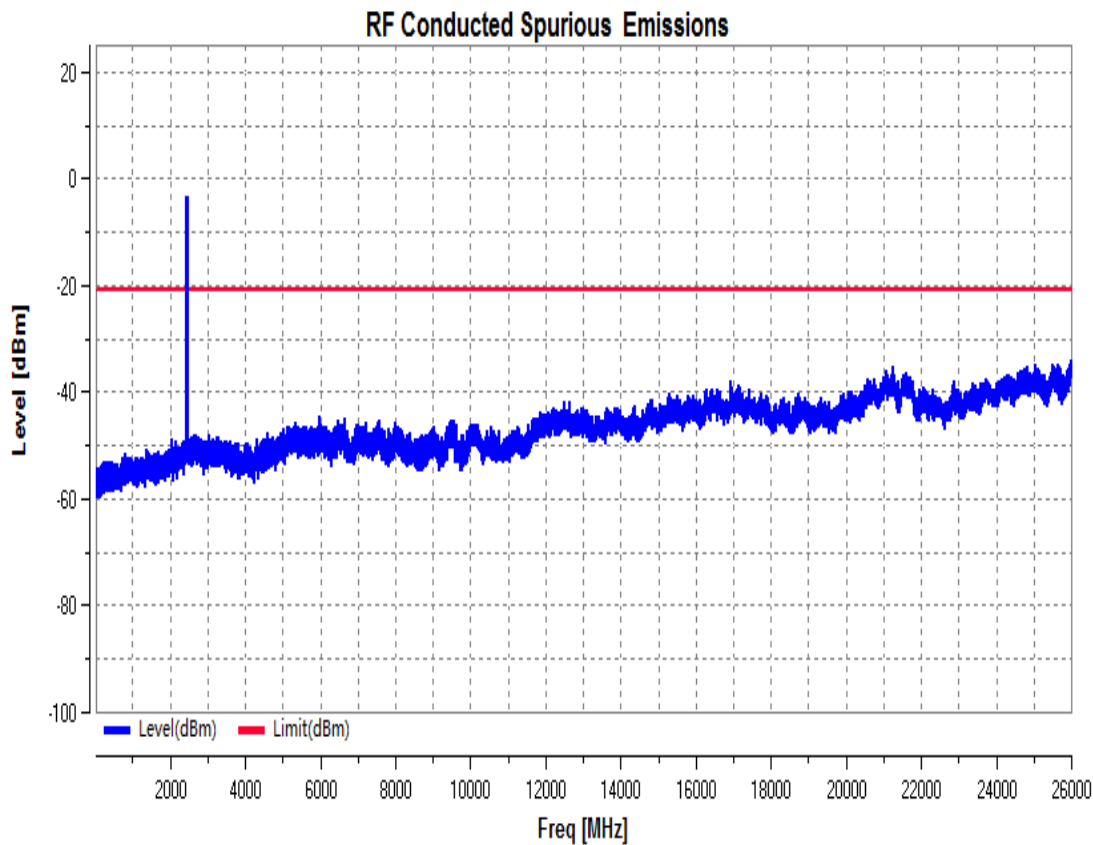
RF Conducted Spurious Emissions\_11N20SISO\_2437\_Ant1



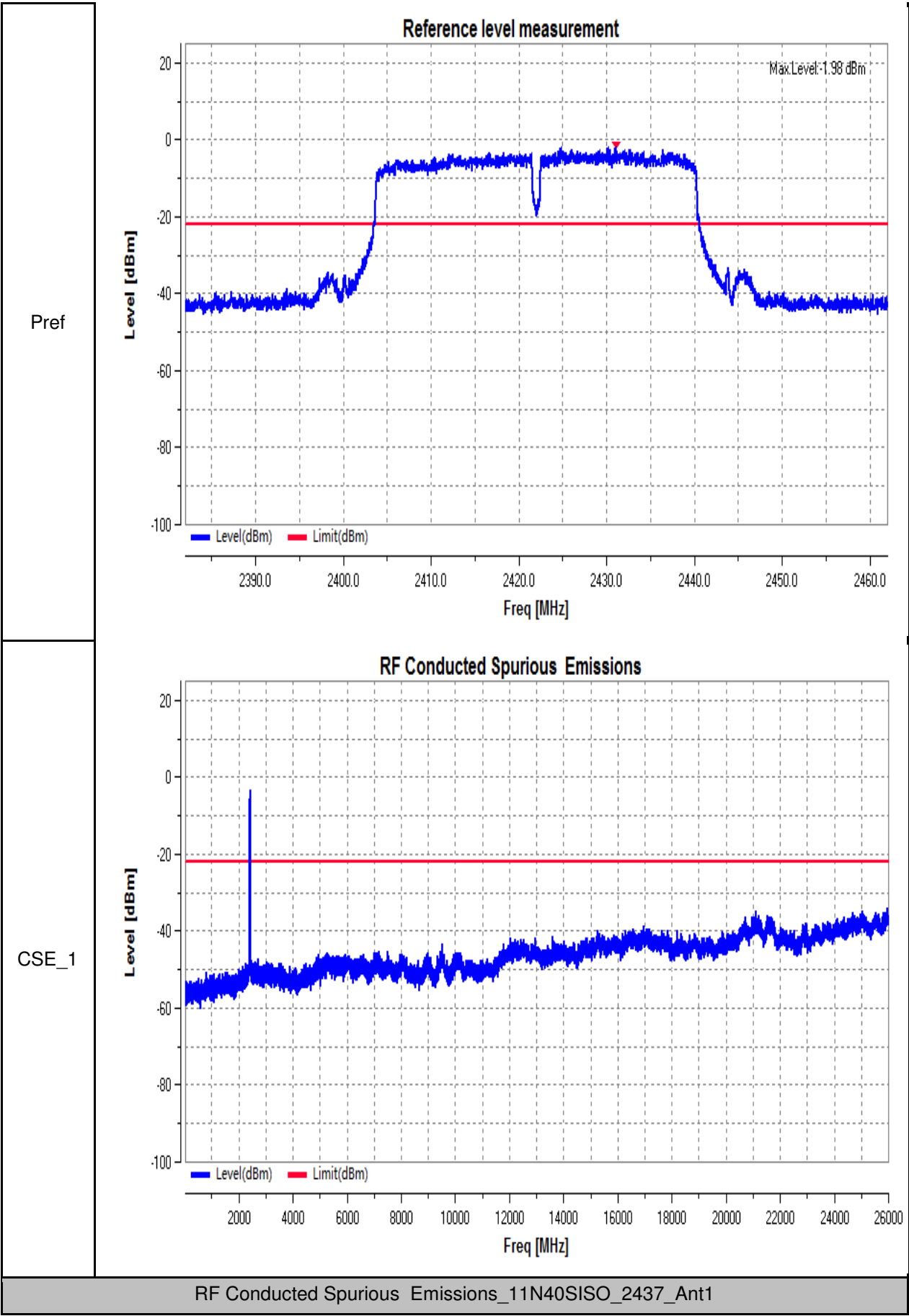
Pref

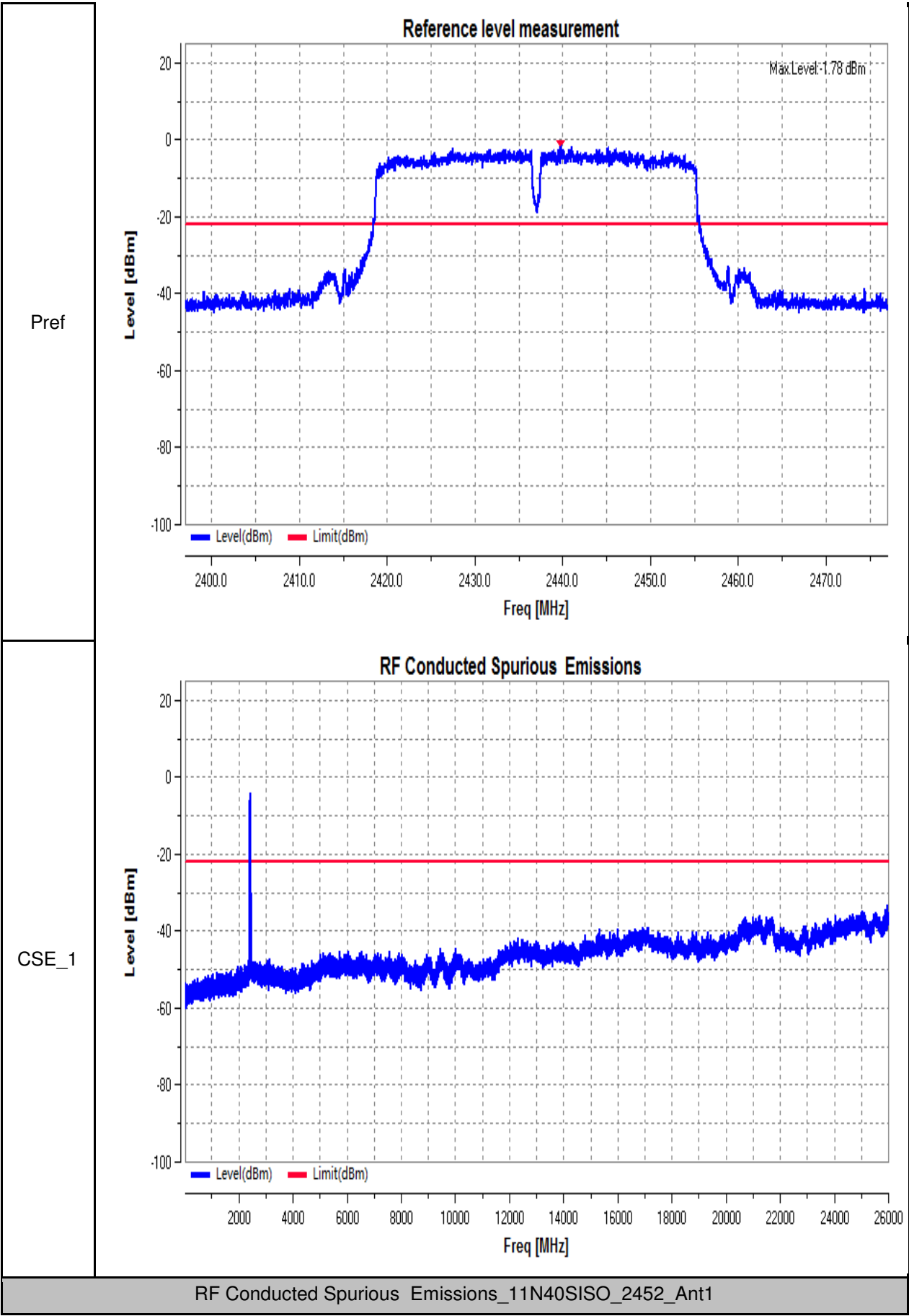


CSE\_1

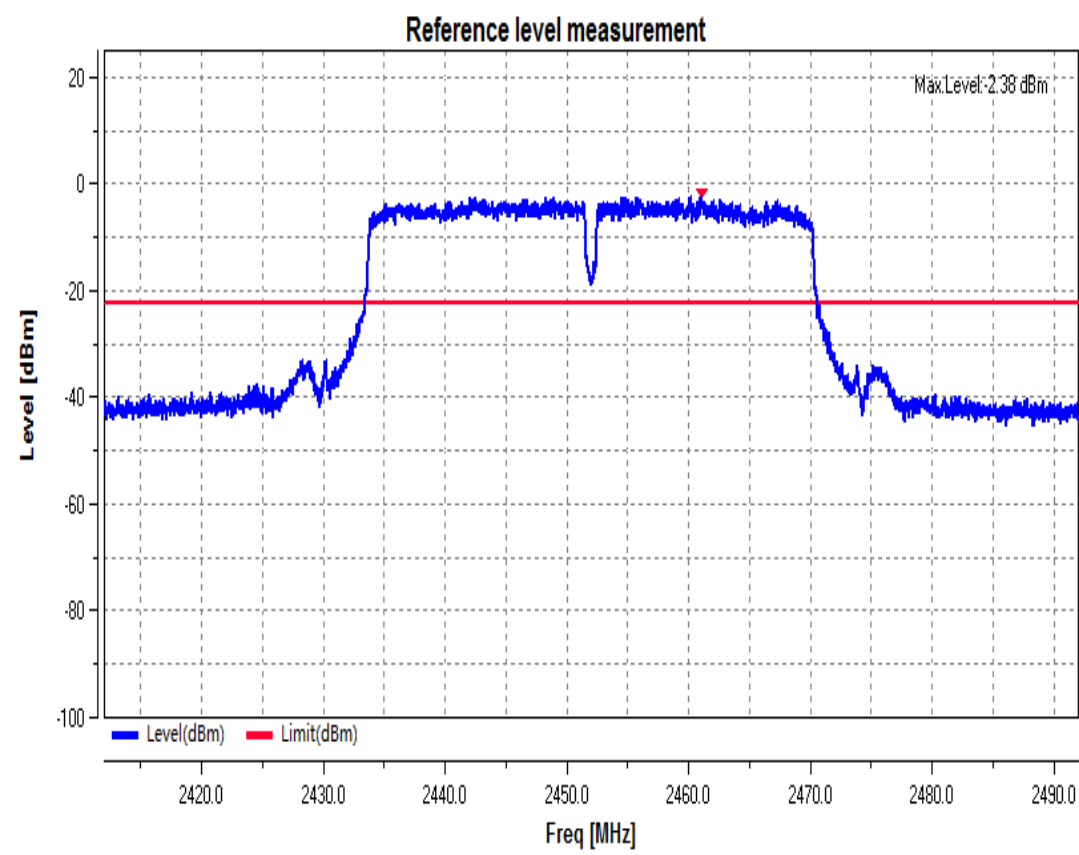


RF Conducted Spurious Emissions\_11N40SISO\_2422\_Ant1





Pref



CSE\_1

