# Appendix C

# RF Test Data for 2.4G WIFI (Conducted Measurement)

**Product Name: Look tablet**

**Trade Mark: Look2innovate**

**Test Model: LKTABLET1**

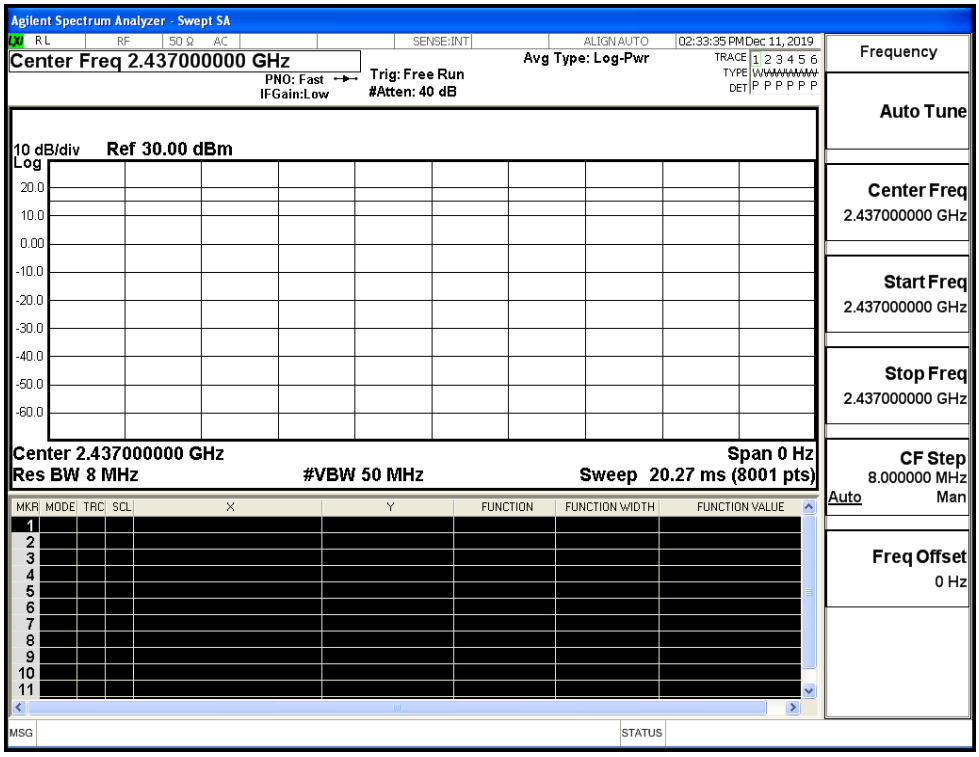
**Environmental Conditions**

| | |
|---|---|
| Temperature: | 22.5 ° C |
| Relative Humidity: | 52.6% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Alisa Huang |
| Supervised by: | WangChuang |

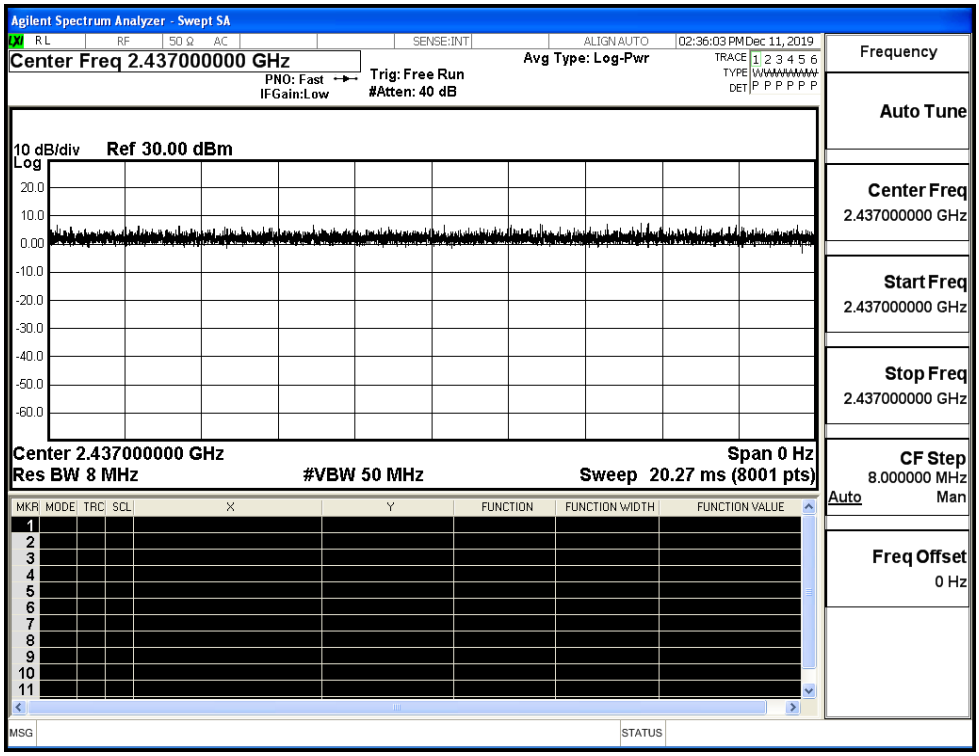
## C.1 Duty Cycle

| Test Mode | Test Channel | Ant | Duty Cycle[%] | Verdict |
|---|---|---|---|---|
| 11B | 2437 | Ant1 | 100 | PASS |
| 11G | 2437 | Ant1 | 100 | PASS |
| 11N20SISO | 2437 | Ant1 | 100 | PASS |
| 11N40SISO | 2437 | Ant1 | 100 | PASS |

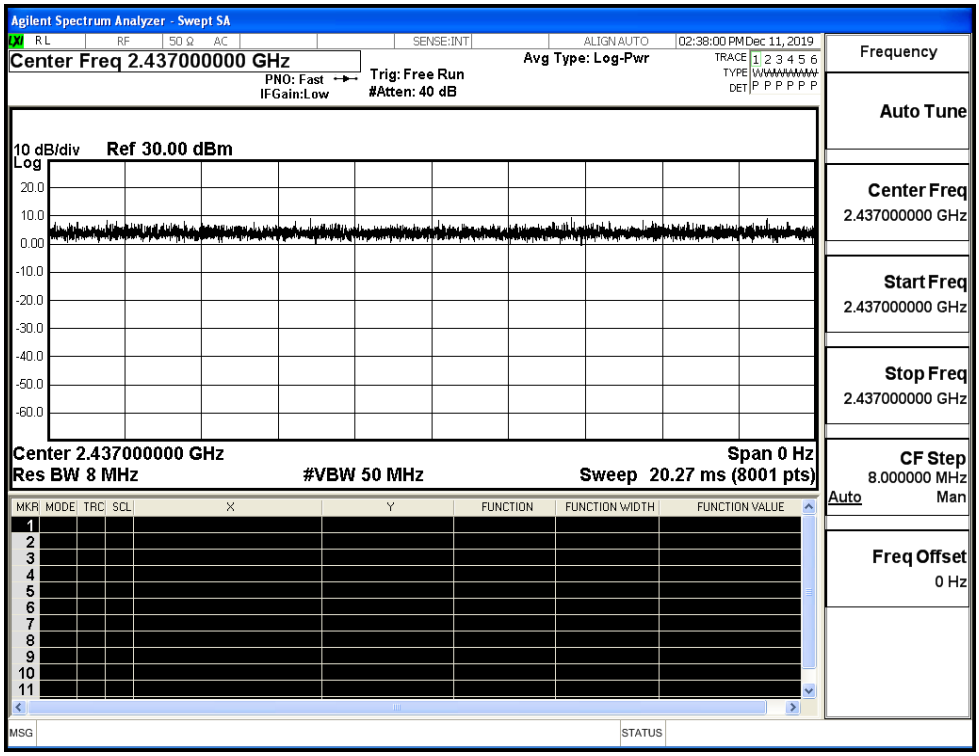
## Duty Cycle_11B_2437_Ant1



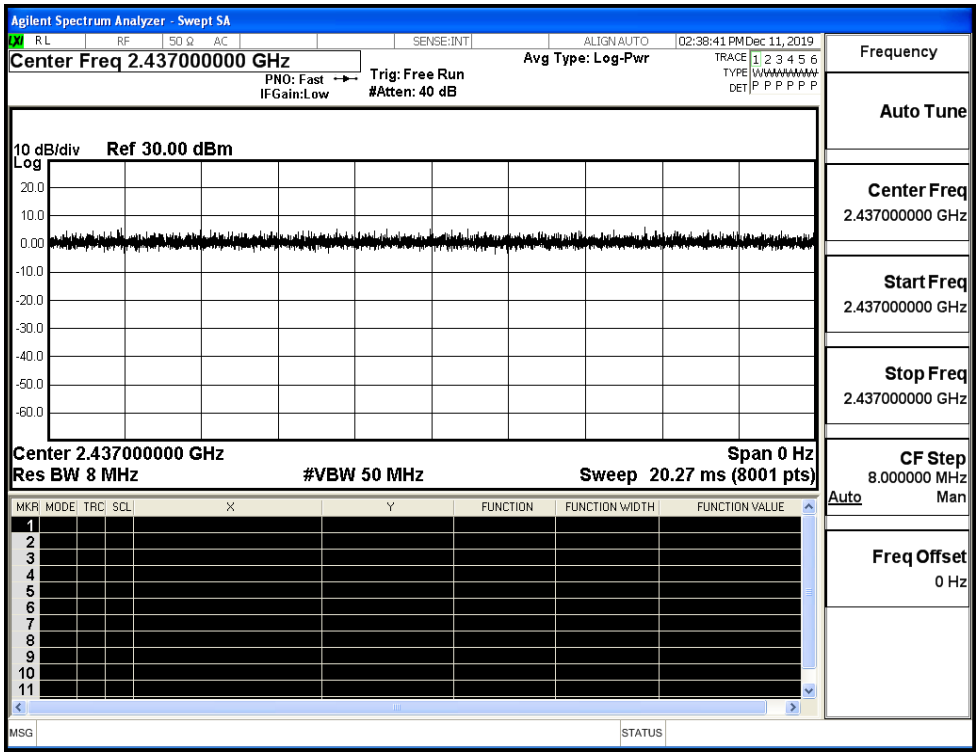

## Duty Cycle_11G_2437_Ant1



## Duty Cycle_11N20SISO_2437_Ant1

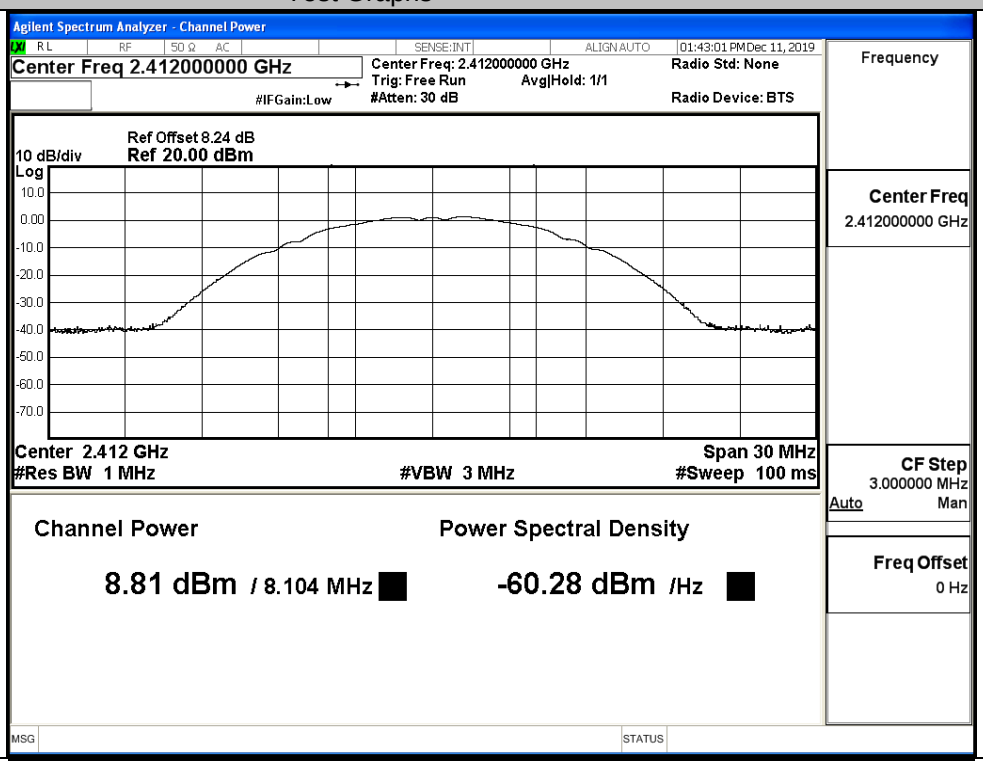
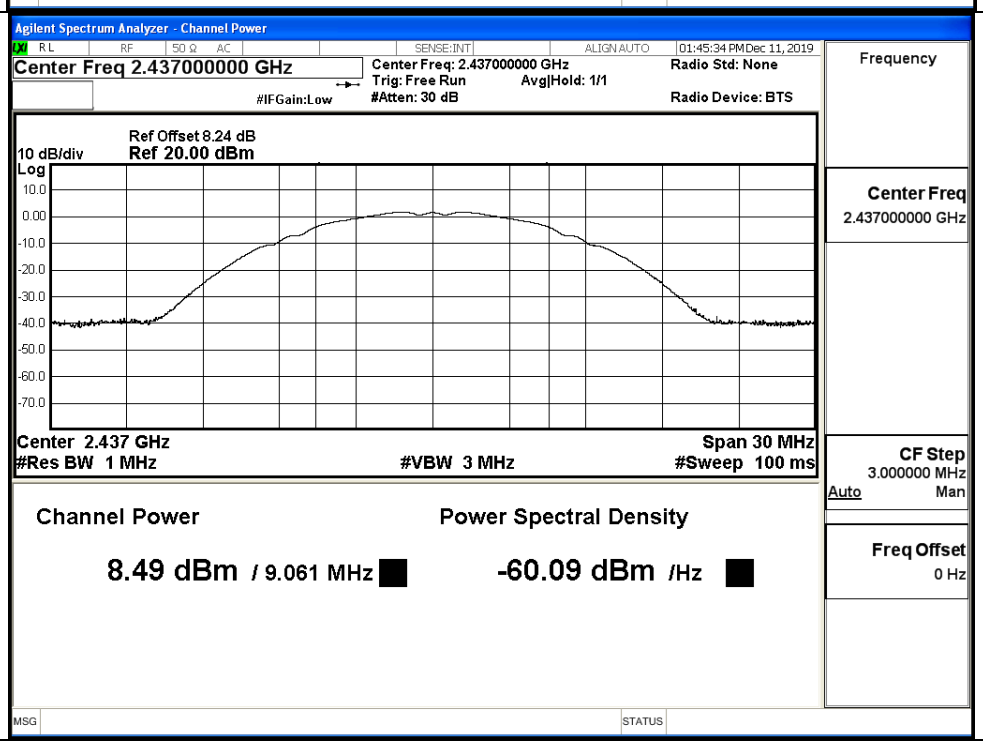


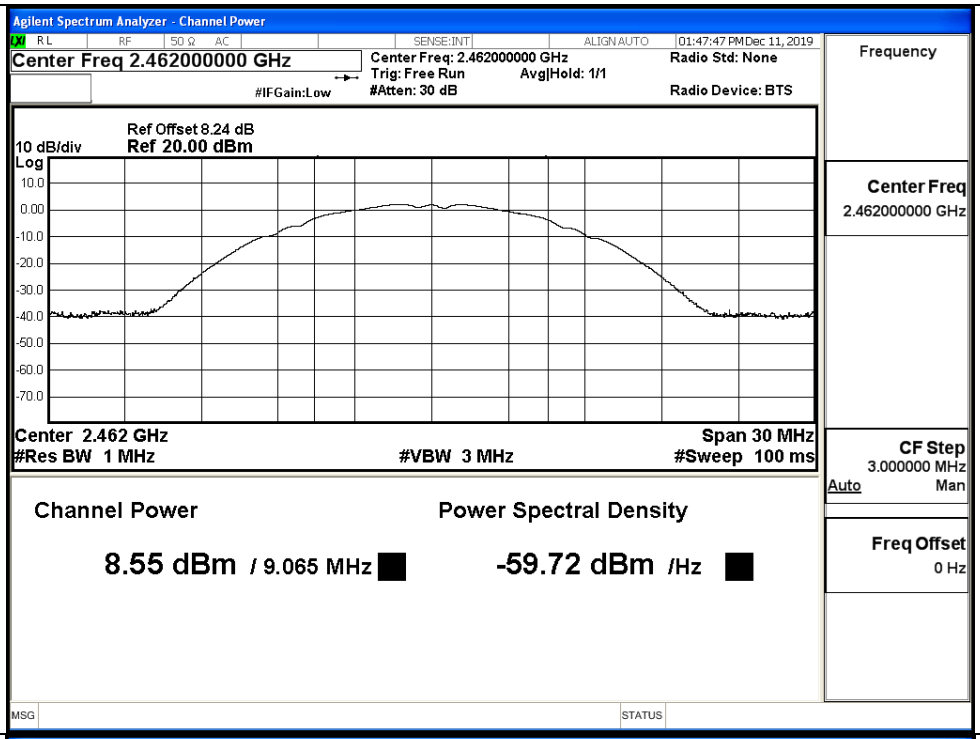
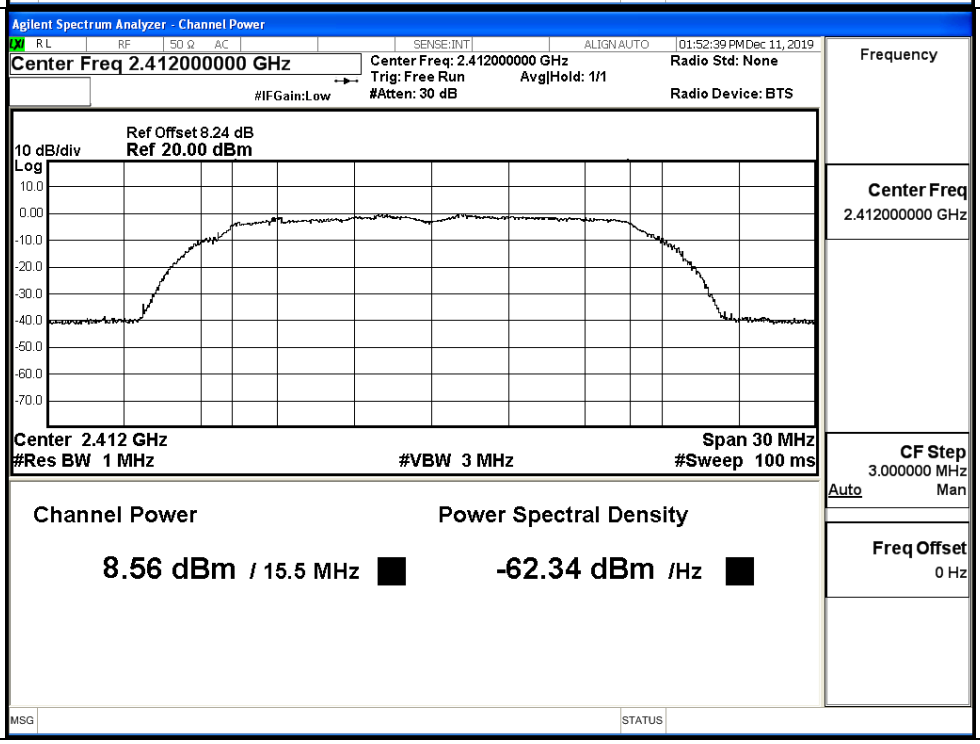

## Duty Cycle_11N40SISO_2437_Ant1

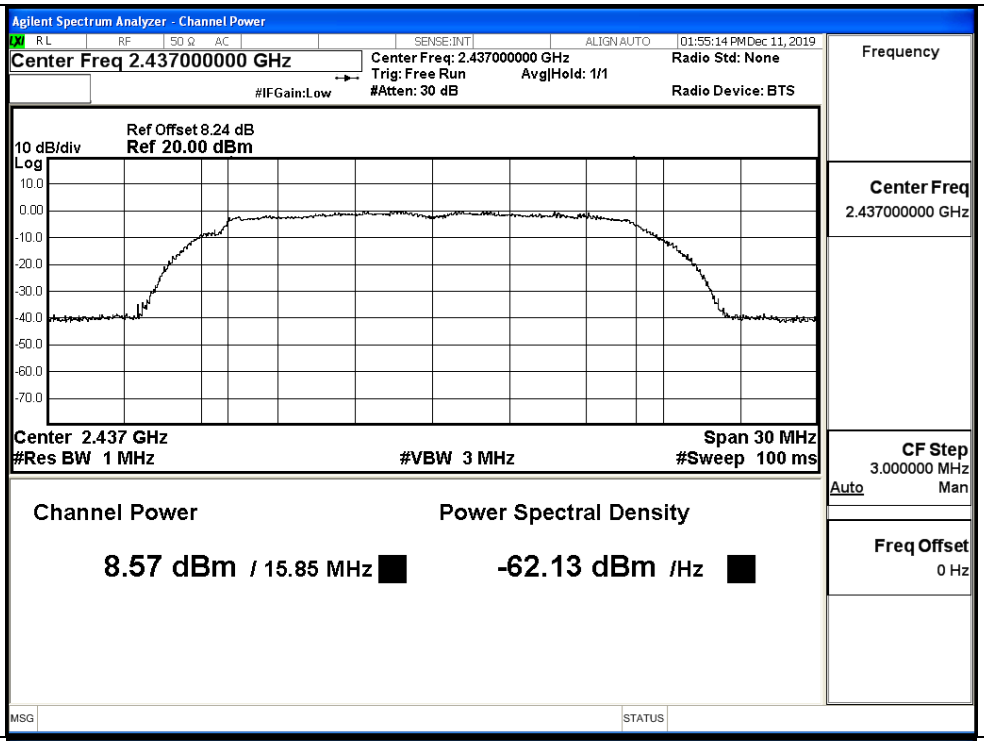
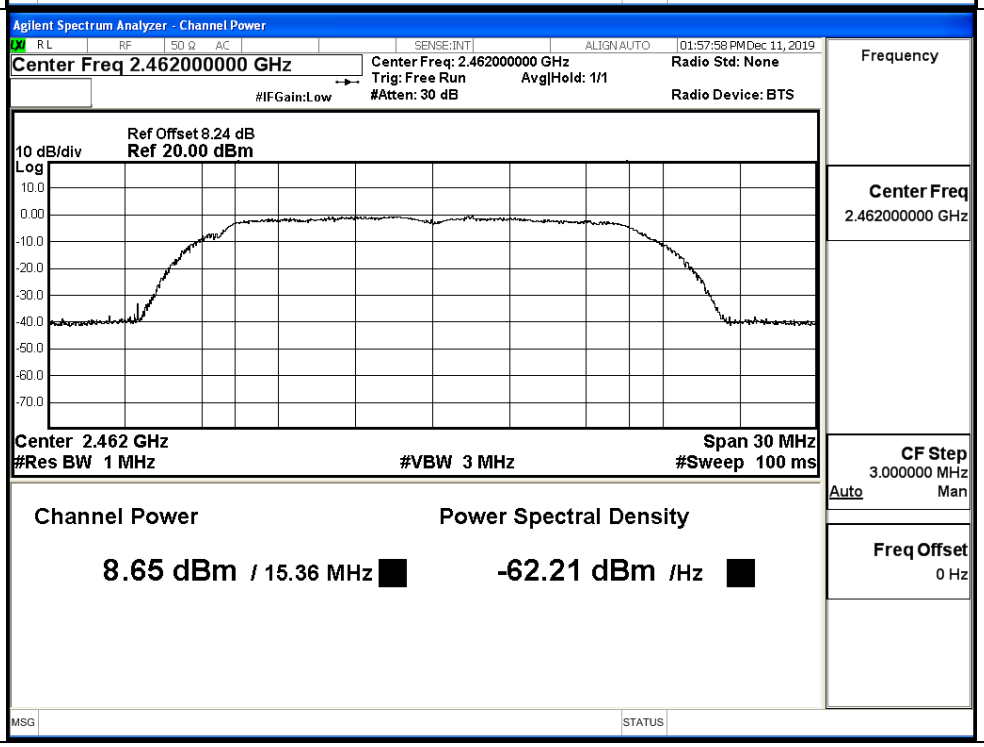


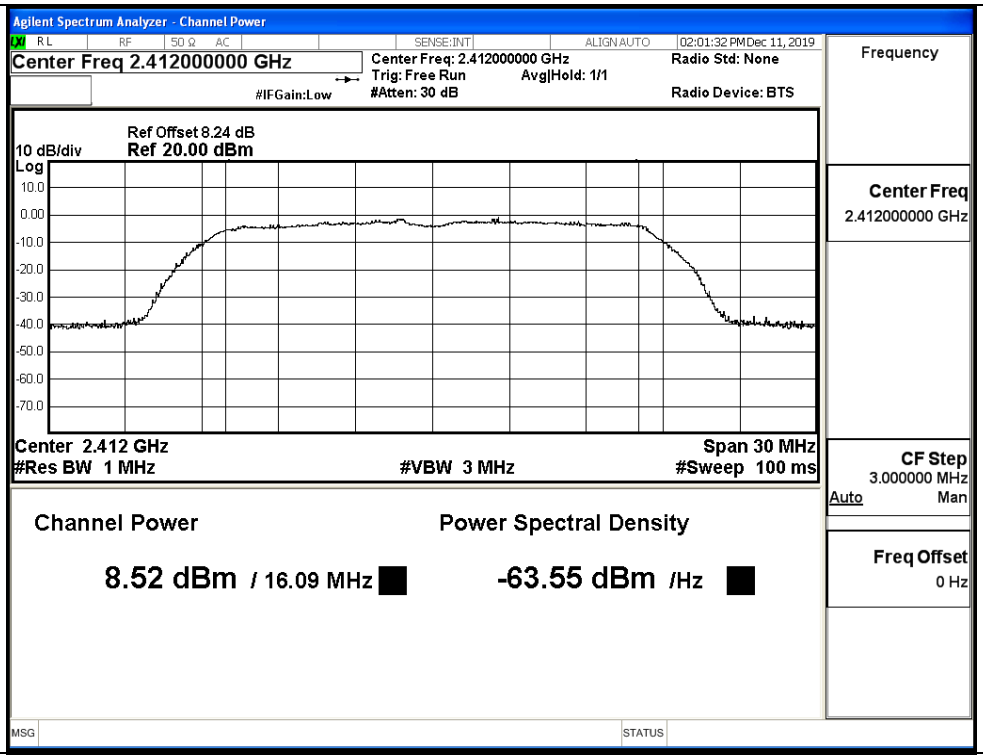
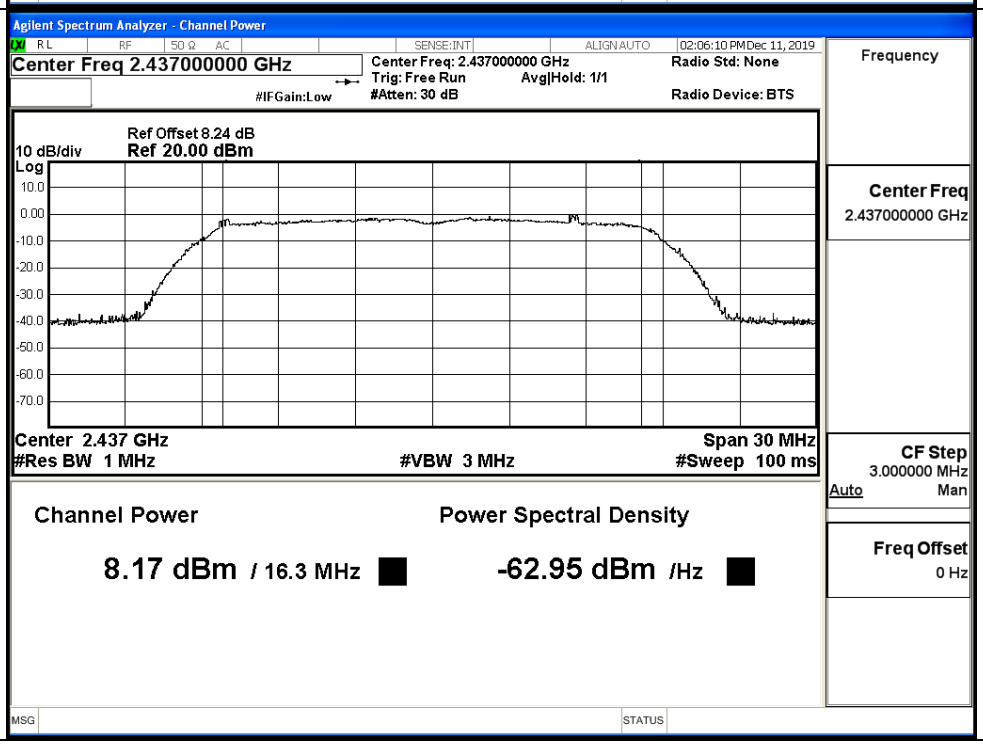
## C.2 Maximum Conducted Output Power

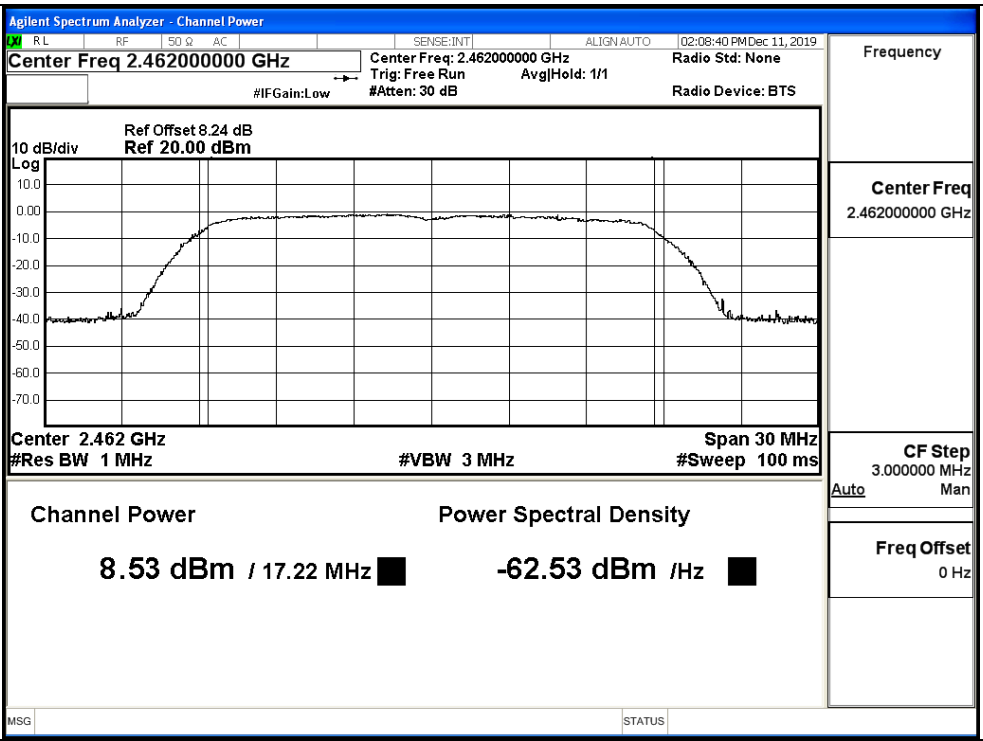
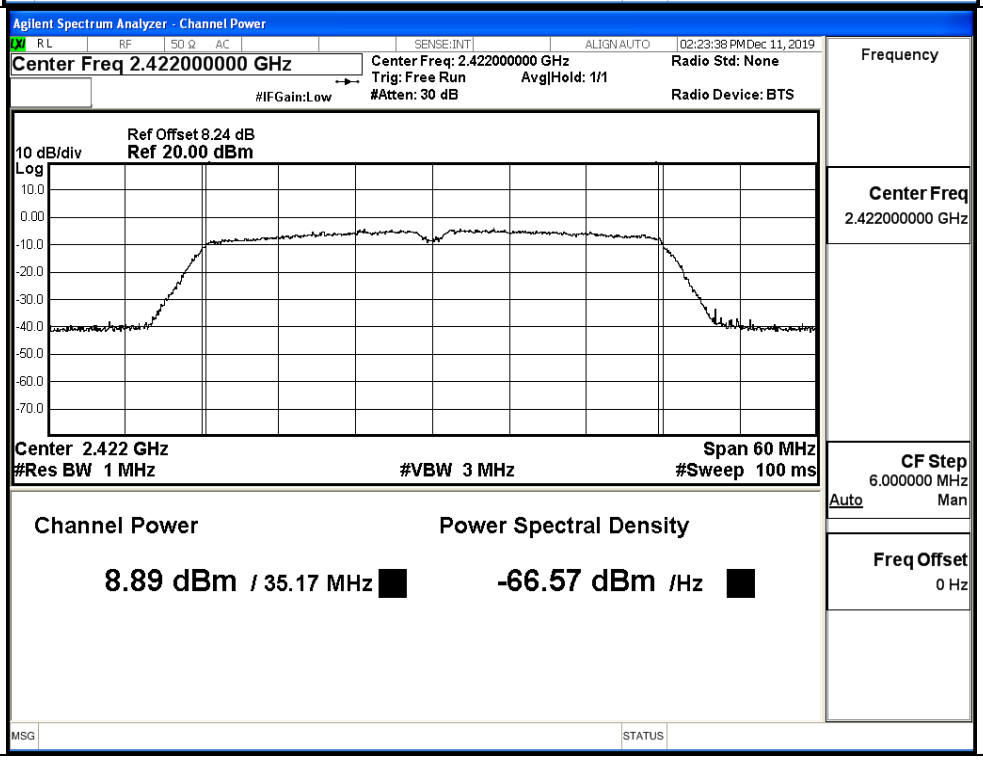
| Mode | Channel | Meas.Level [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|
| 11B | LCH | 8.81 | 30 | PASS |
| | MCH | 8.49 | 30 | PASS |
| | HCH | 8.55 | 30 | PASS |
| 11G | LCH | 8.56 | 30 | PASS |
| | MCH | 8.57 | 30 | PASS |
| | HCH | 8.65 | 30 | PASS |
| 11N20SISO | LCH | 8.52 | 30 | PASS |
| | MCH | 8.17 | 30 | PASS |
| | HCH | 8.53 | 30 | PASS |
| 11N40SISO | LCH | 8.59 | 30 | PASS |
| | MCH | 8.19 | 30 | PASS |
| | HCH | 8.66 | 30 | PASS |

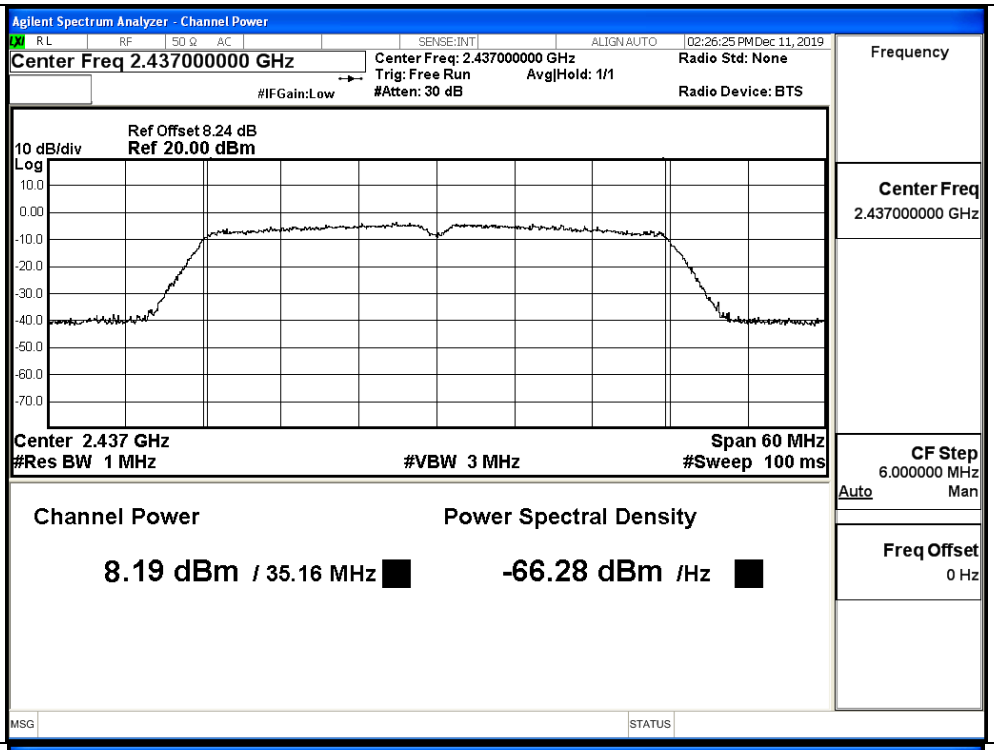
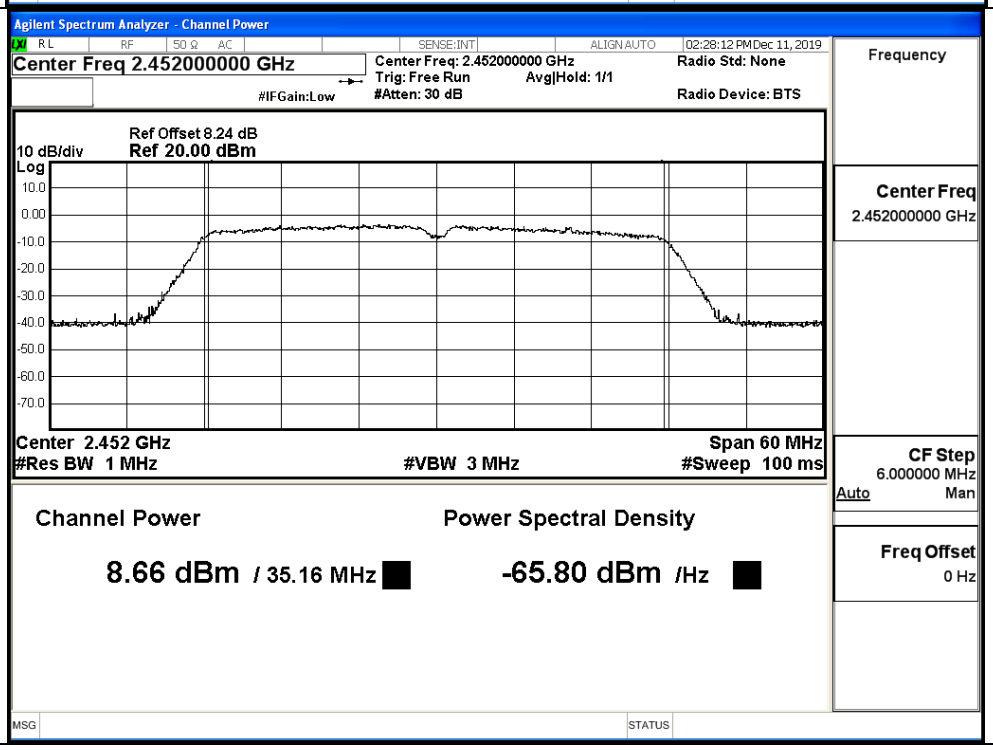
| Test Graphs | |
|---|---|
| 11B/LCH |  |
| 11B/MCH |  |

| | | |
|---|---|---|
| 11B/HCH |  | |
| 11G/LCH |  | |

| | | |
|---|---|---|
| 11G/MCH |  | |
| 11G/HCH |  | |

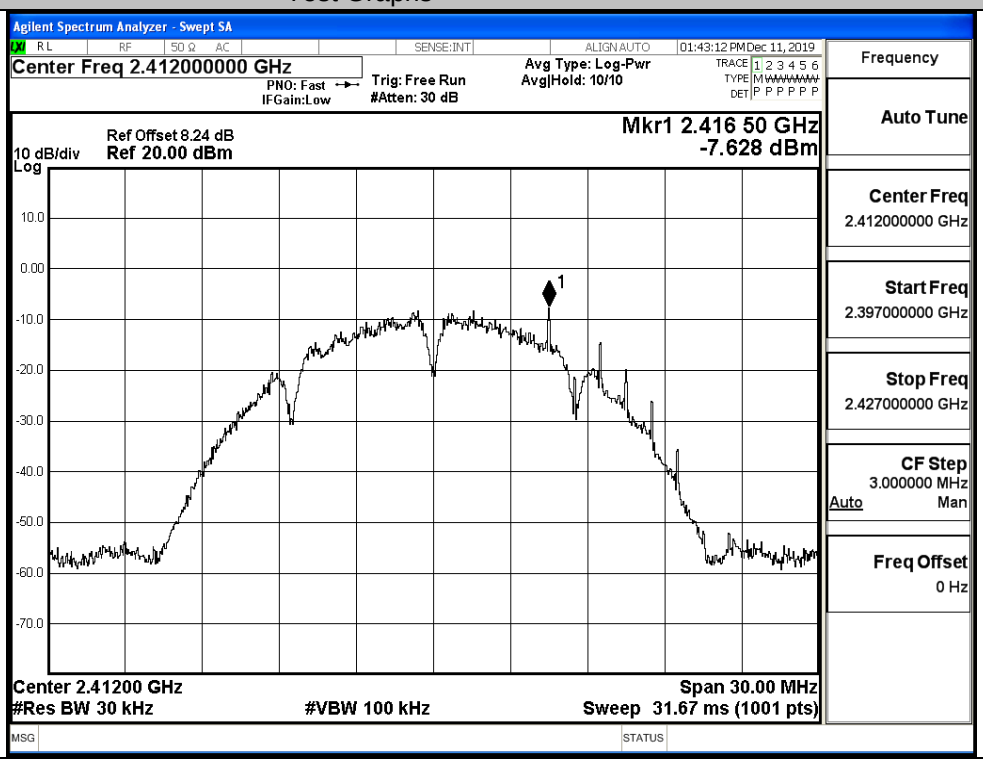
| | | |
|---|---|---|
| 11N20SISO/LCH | |  |
| 11N20SISO/MCH | |  |

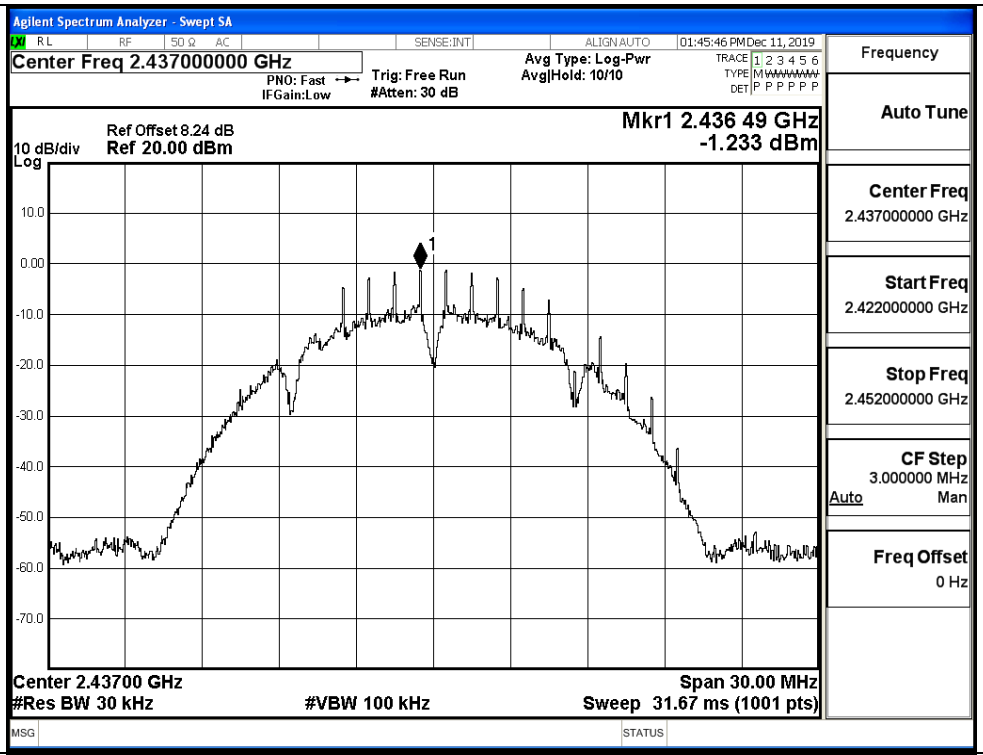
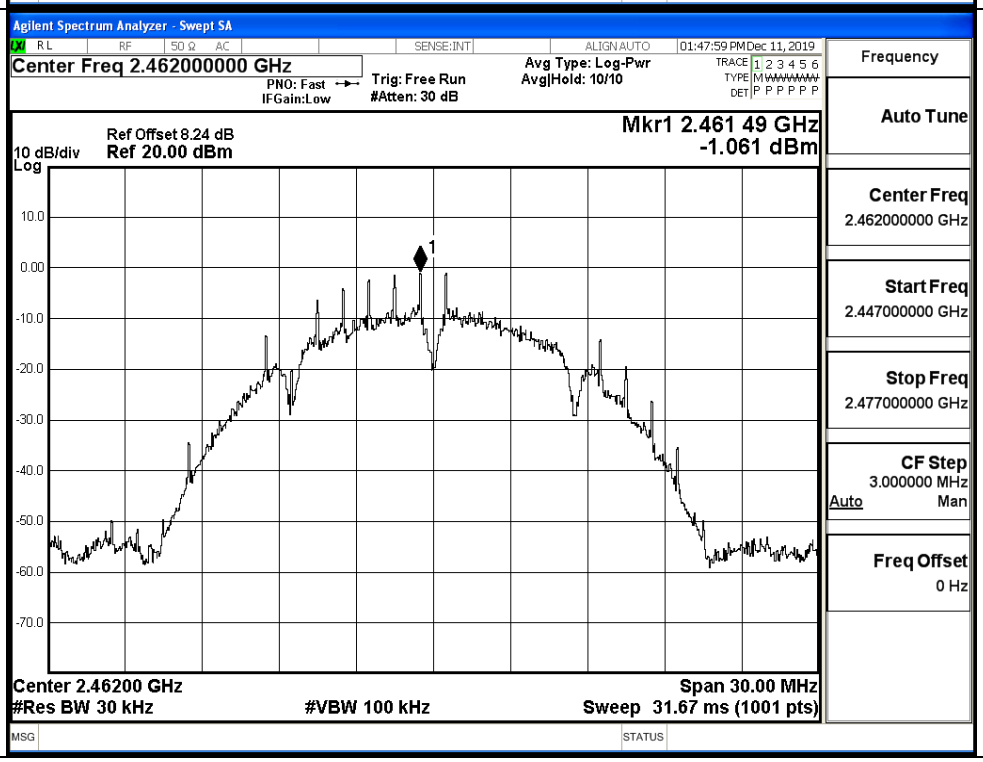
| | | |
|---|---|---|
| 11N20SISO/HCH | |  |
| 11N40SISO/LCH | |  |

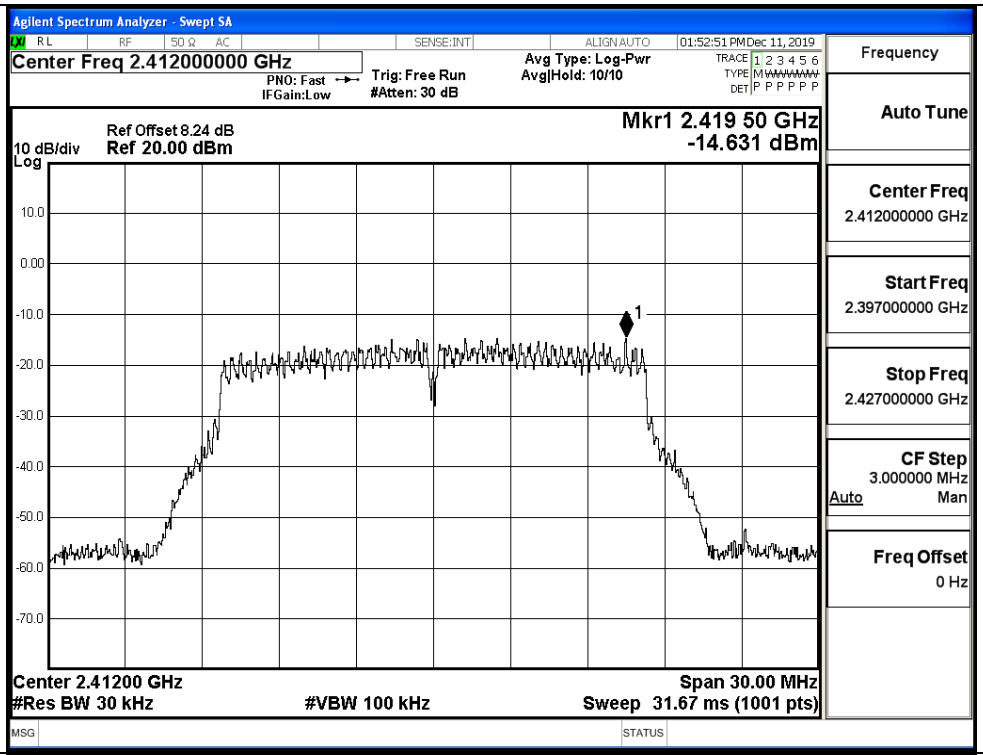
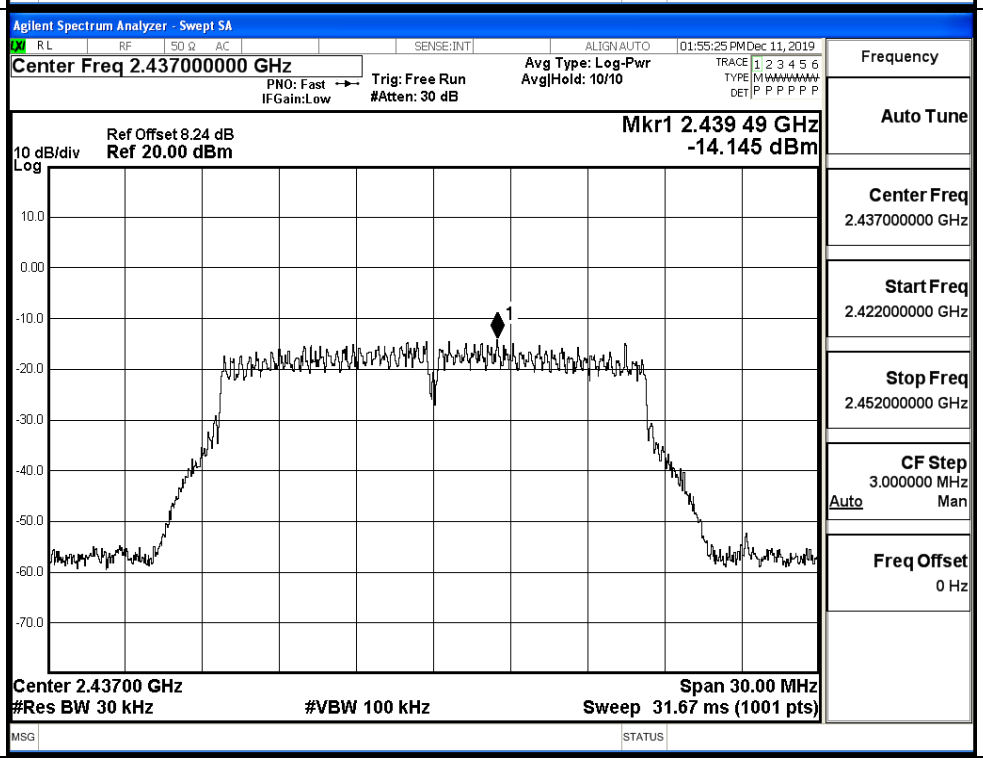
| | | |
|---|---|---|
| 11N40SISO/MCH | |  |
| 11N40SISO/HCH | |  |

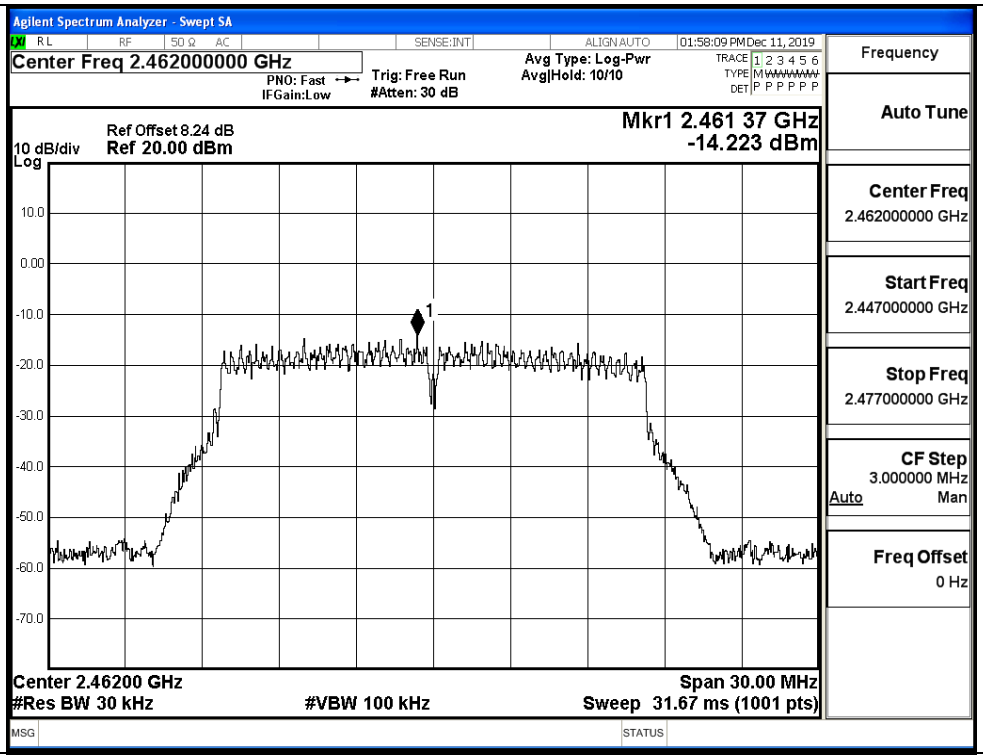
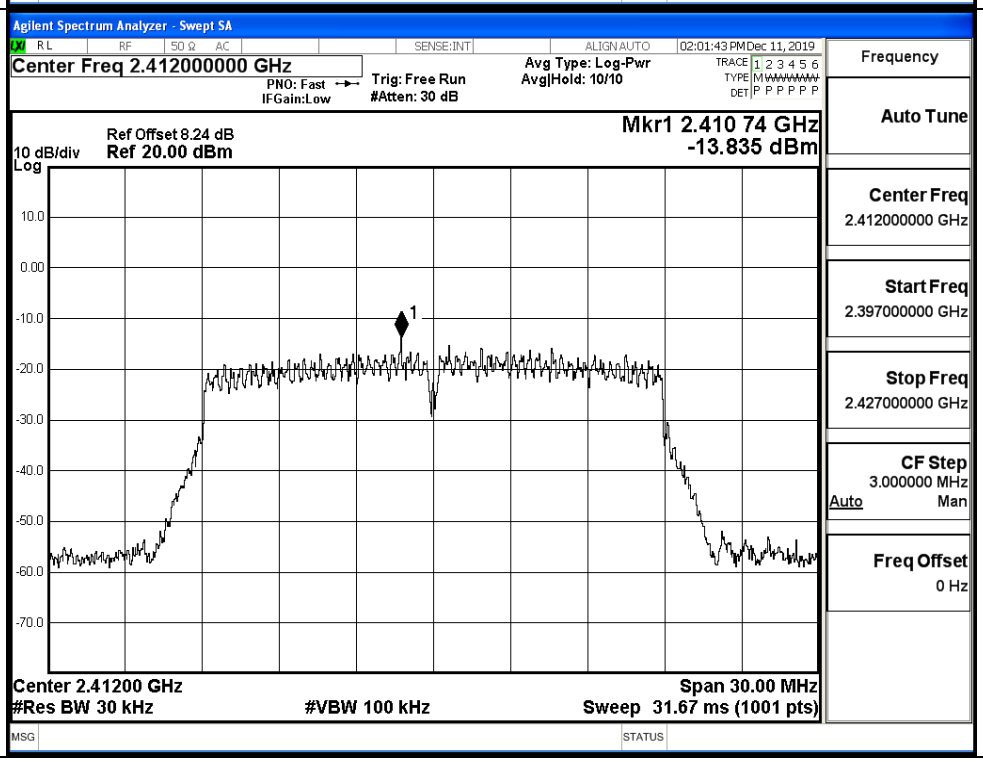
## C.3 Maximum Power Spectral Density

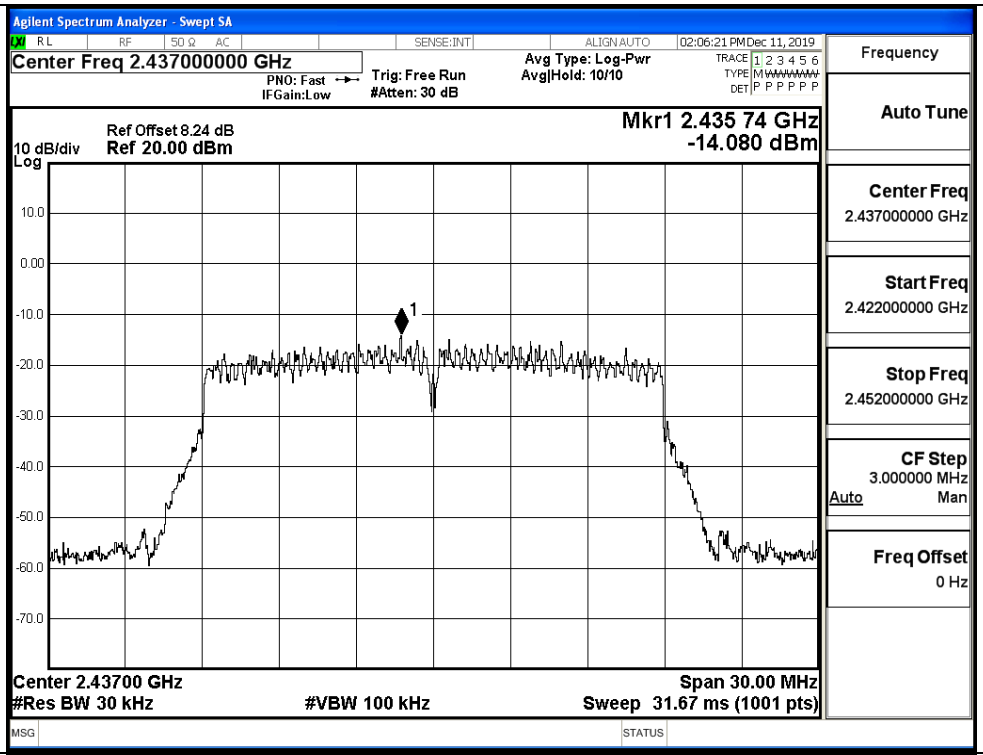
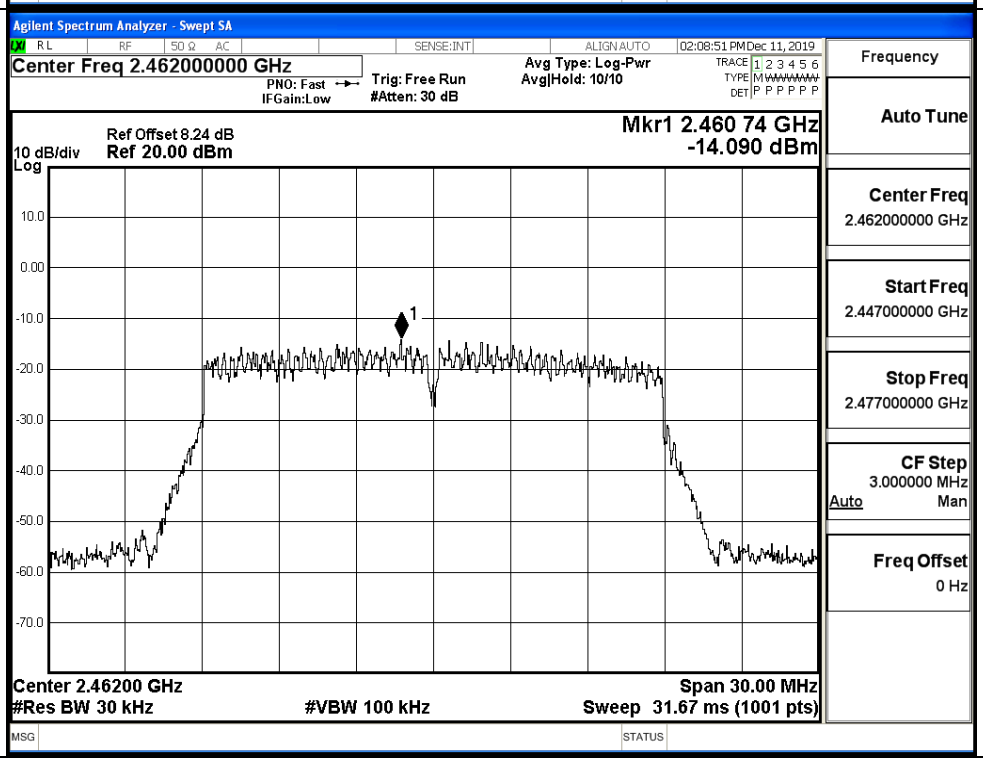
| Mode | Channel | Meas.Level [dBm/30KHz] | Limit [dBm/3KHz] | Verdict |
|---|---|---|---|---|
| 11B | LCH | -7.628 | 8 | PASS |
| | MCH | -1.233 | 8 | PASS |
| | HCH | -1.061 | 8 | PASS |
| 11G | LCH | -14.631 | 8 | PASS |
| | MCH | -14.145 | 8 | PASS |
| | HCH | -14.223 | 8 | PASS |
| 11N20SISO | LCH | -13.835 | 8 | PASS |
| | MCH | -14.080 | 8 | PASS |
| | HCH | -14.090 | 8 | PASS |
| 11N40SISO | LCH | -18.034 | 8 | PASS |
| | MCH | -18.119 | 8 | PASS |
| | HCH | -16.805 | 8 | PASS |

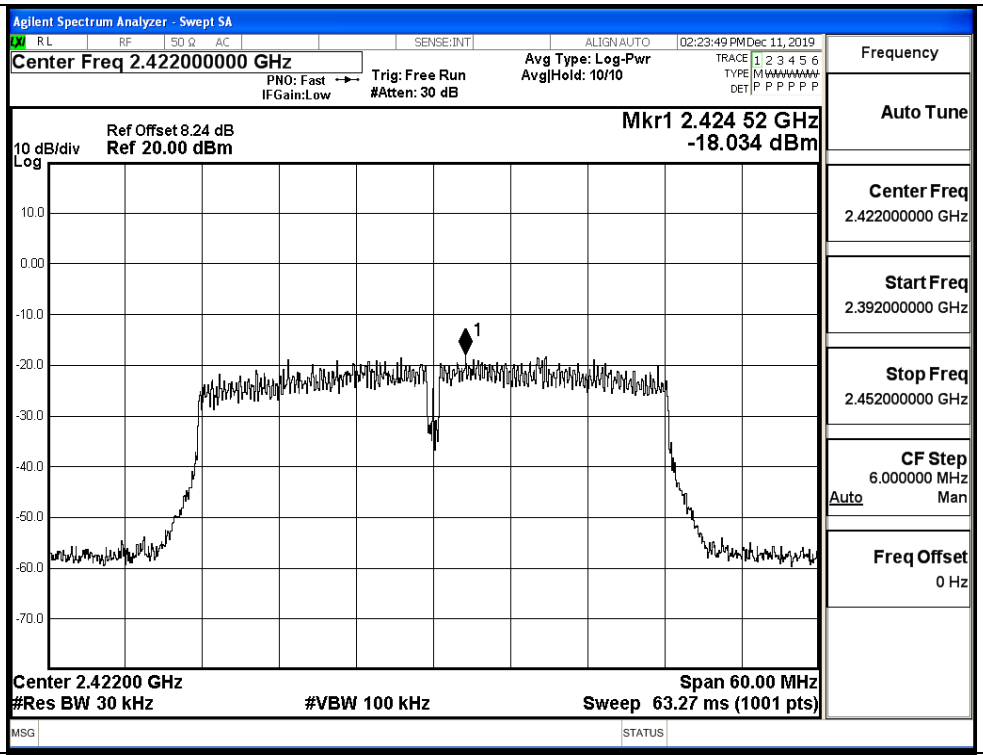
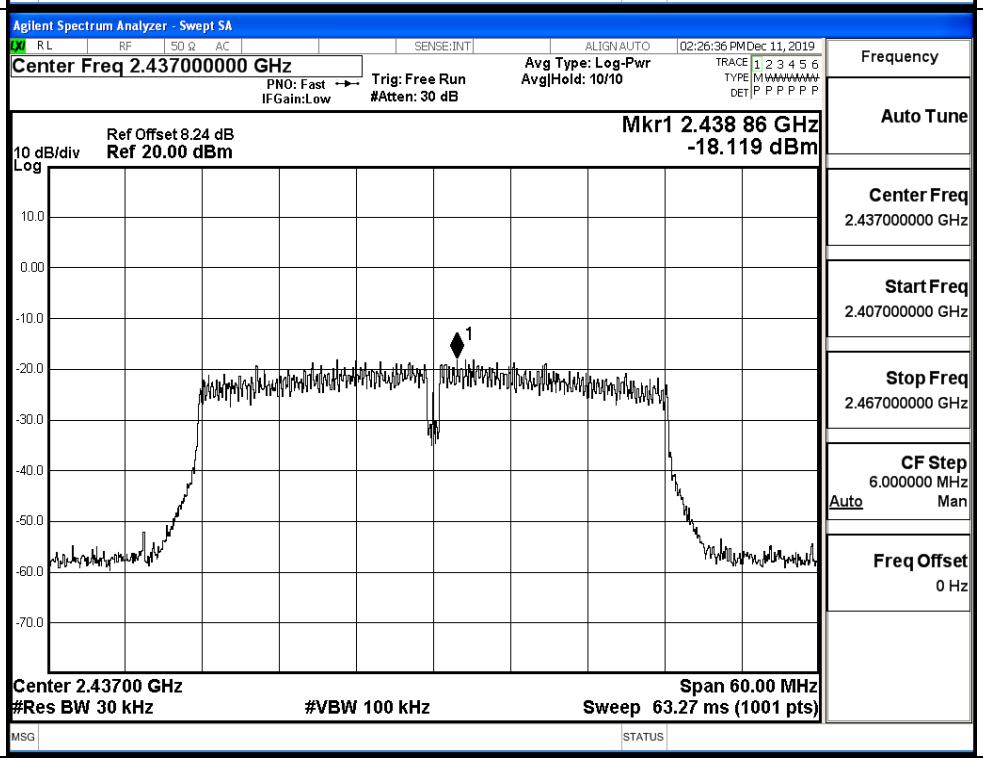
| Test Graphs | |
|---|---|
| 11B/LCH |  |

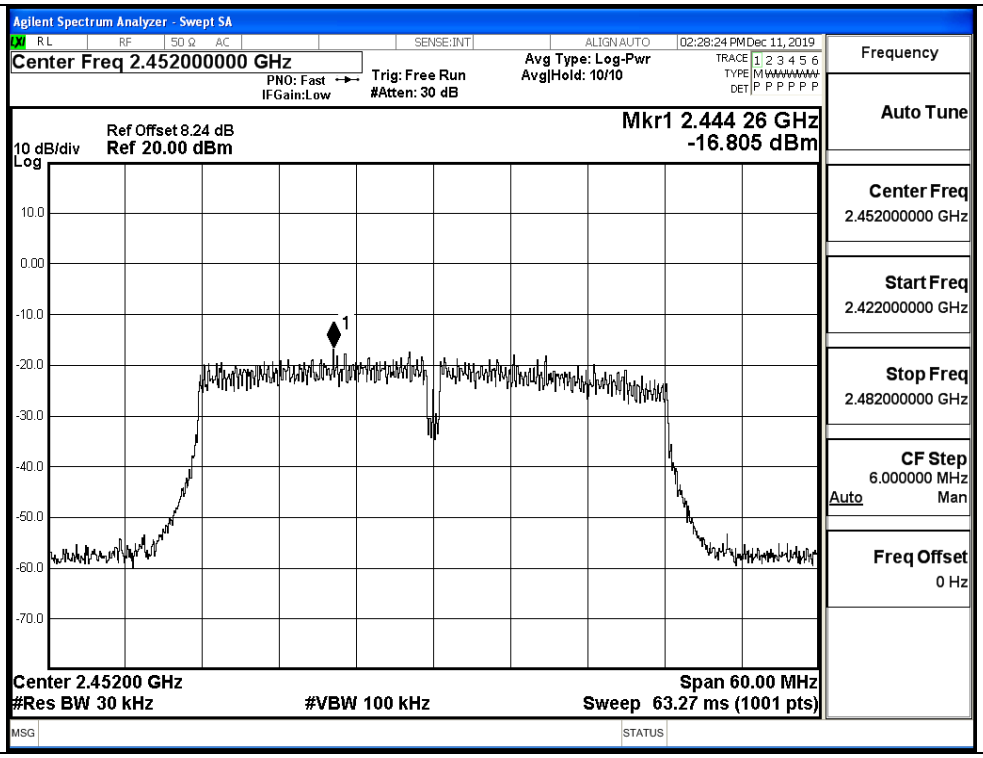
| | | |
|---|---|---|
| 11B/MCH | |  |
| 11B/HCH | |  |

| | | |
|---|---|---|
| 11G/LCH |  | |
| 11G/MCH |  | |

| | | |
|---|---|---|
| 11G/HCH |  | |
| 11N20SISO/LCH |  | |

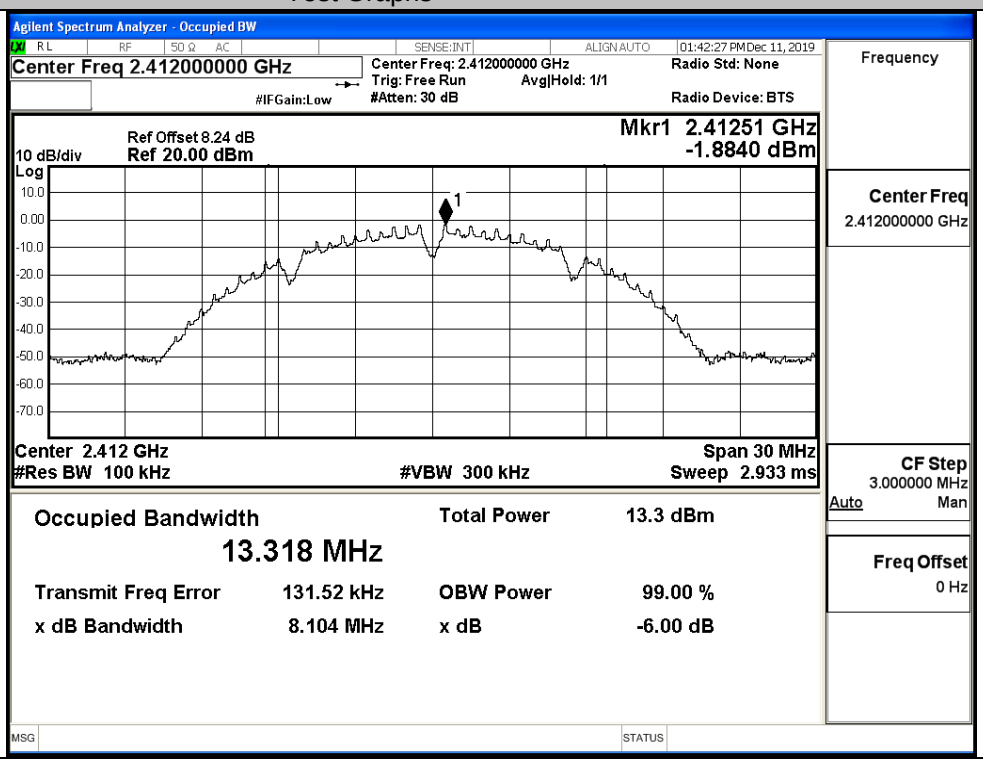
| | | |
|---|---|---|
| 11N20SISO/MCH | |  |
| 11N20SISO/HCH | |  |

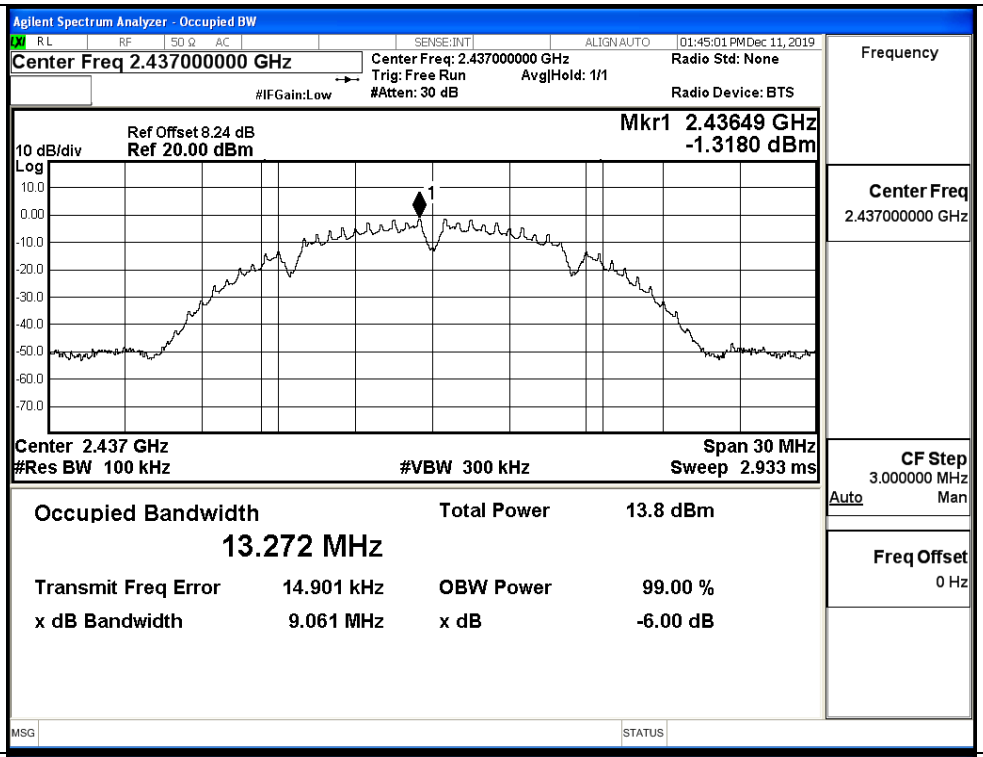
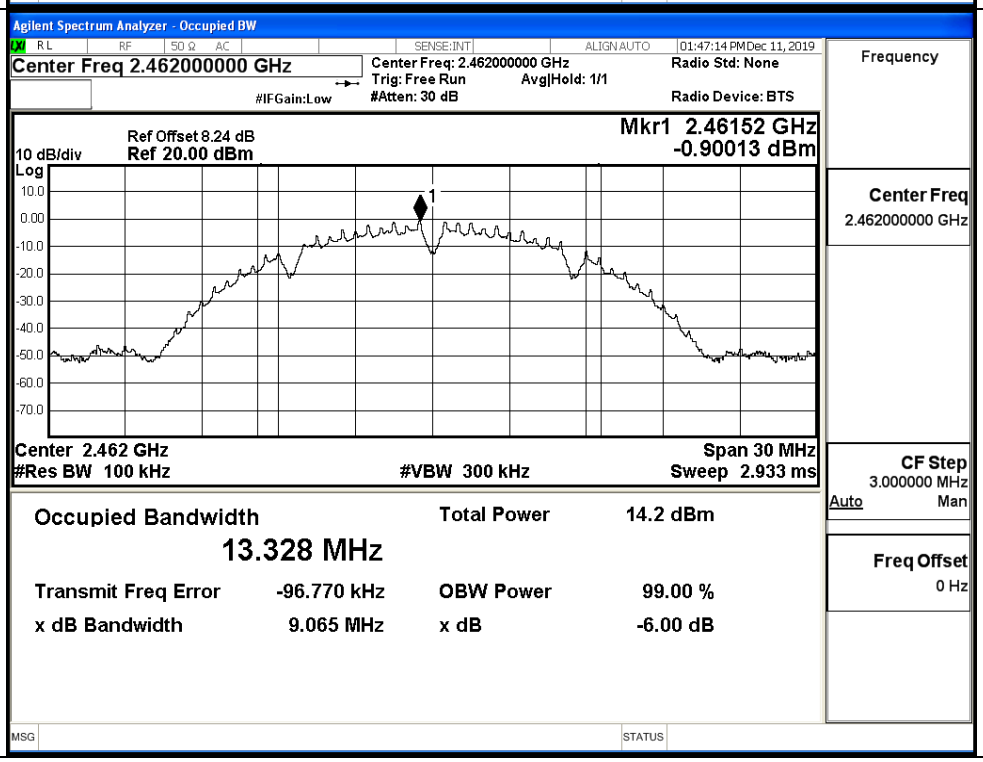
| | | |
|---|---|---|
| 11N40SISO/LCH | |  |
| 11N40SISO/MCH | |  |

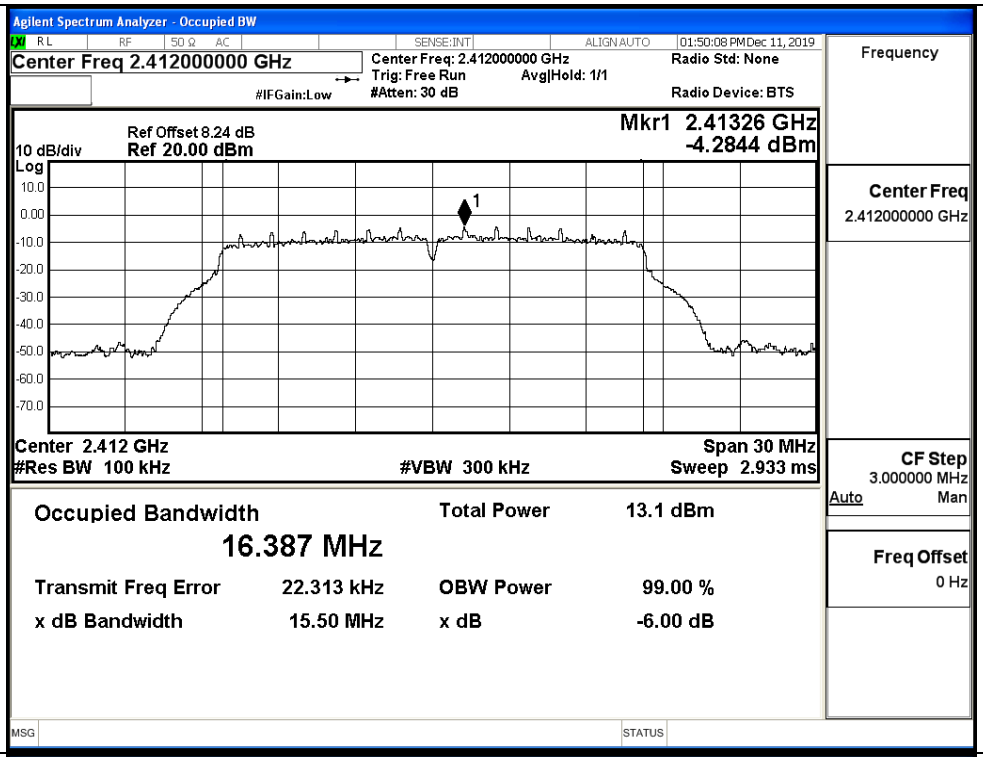
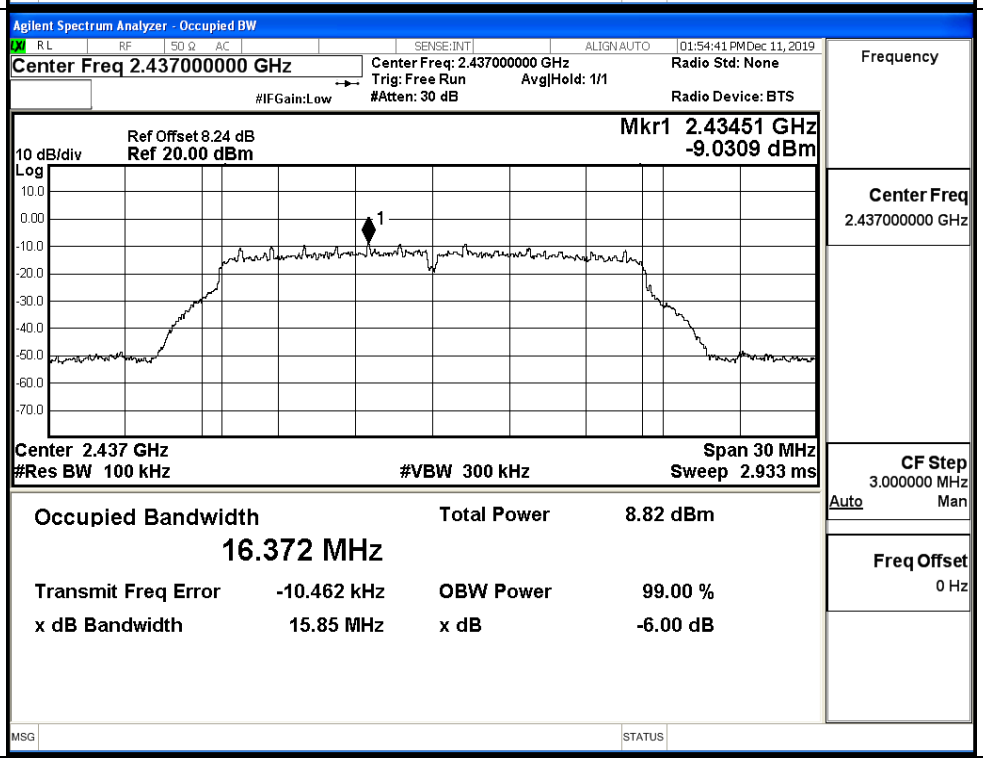
| | | |
|---|---|---|
| 11N40SISO/HCH | |  |

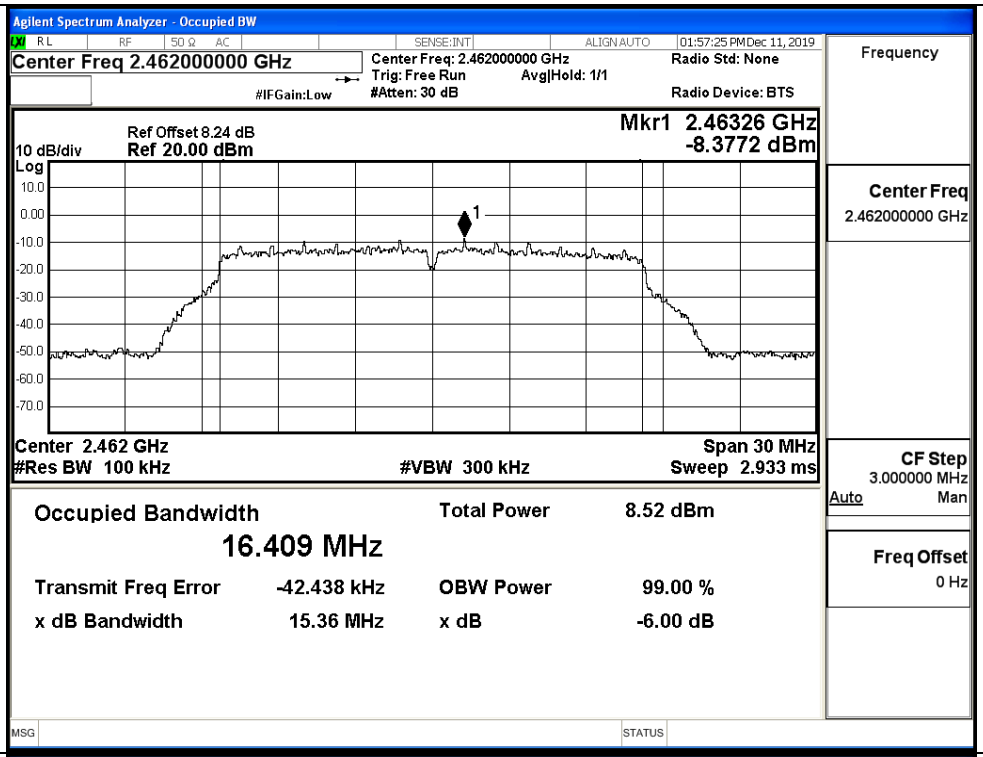
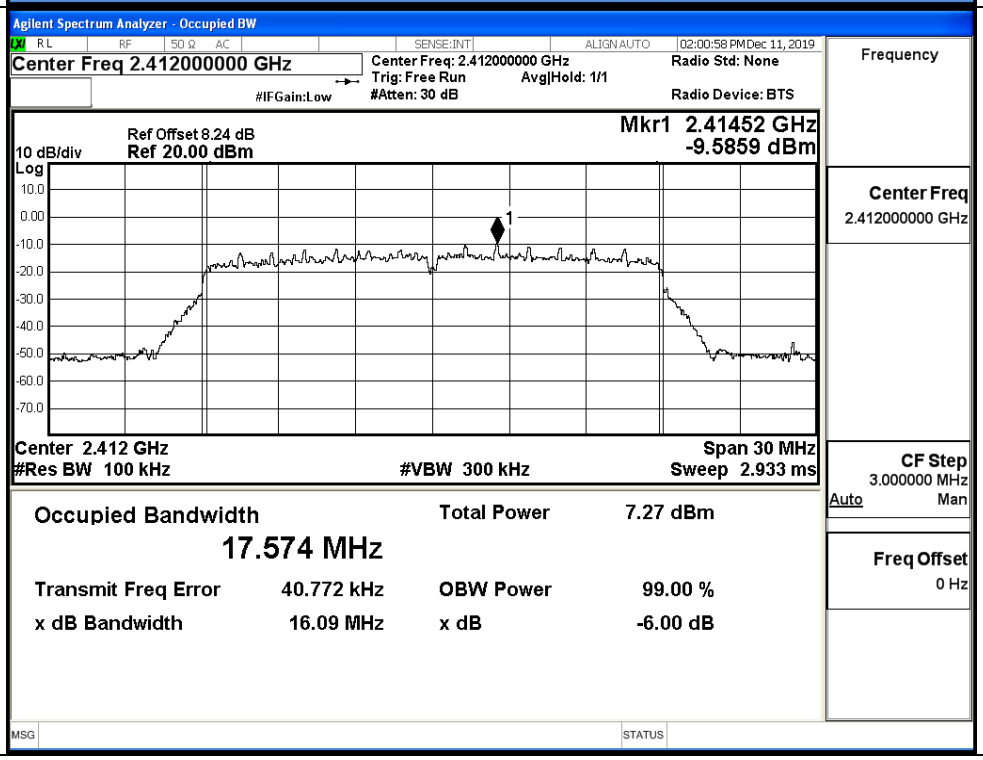
## C.4 6dB Bandwidth

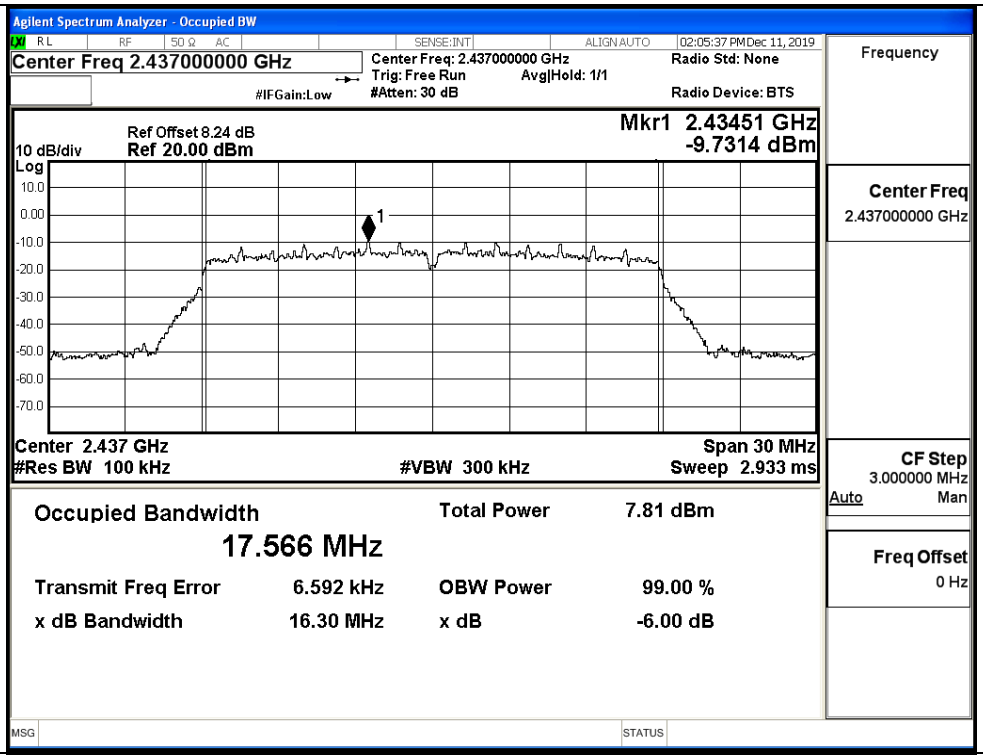
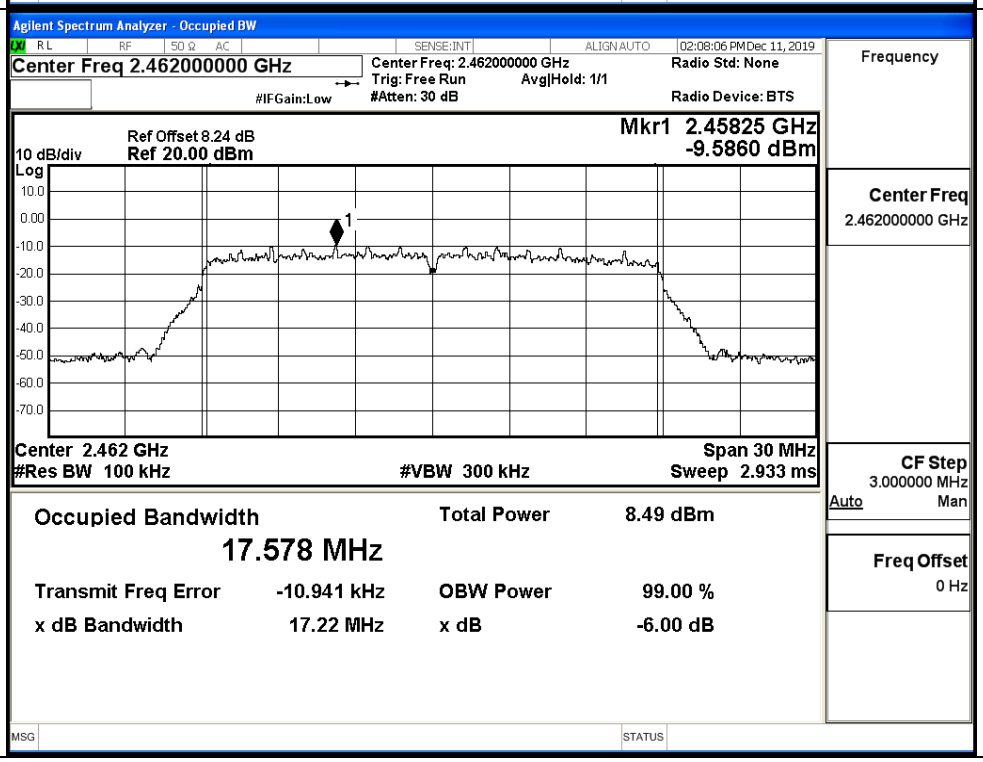
| Mode | Channel | 6dB Bandwidth [MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|
| 11B | LCH | 8.104 | ≥0.5 | PASS |
| | MCH | 9.061 | ≥0.5 | PASS |
| | HCH | 9.065 | ≥0.5 | PASS |
| 11G | LCH | 15.50 | ≥0.5 | PASS |
| | MCH | 15.85 | ≥0.5 | PASS |
| | HCH | 15.36 | ≥0.5 | PASS |
| 11N20SISO | LCH | 16.09 | ≥0.5 | PASS |
| | MCH | 16.30 | ≥0.5 | PASS |
| | HCH | 17.22 | ≥0.5 | PASS |
| 11N40SISO | LCH | 35.17 | ≥0.5 | PASS |
| | MCH | 35.16 | ≥0.5 | PASS |
| | HCH | 35.16 | ≥0.5 | PASS |

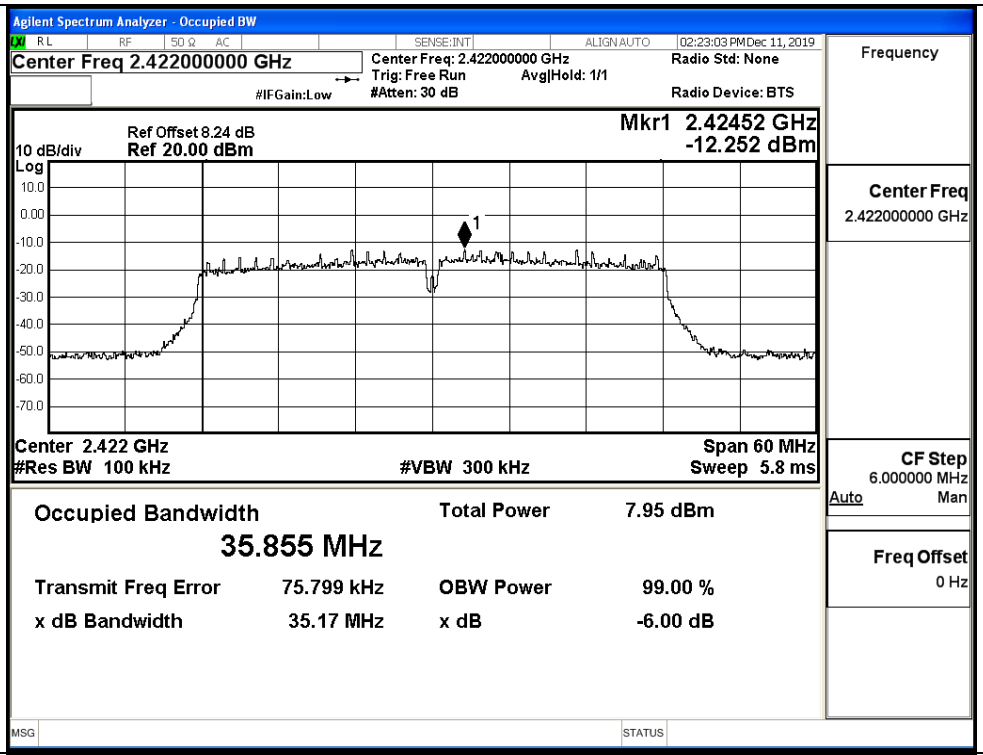
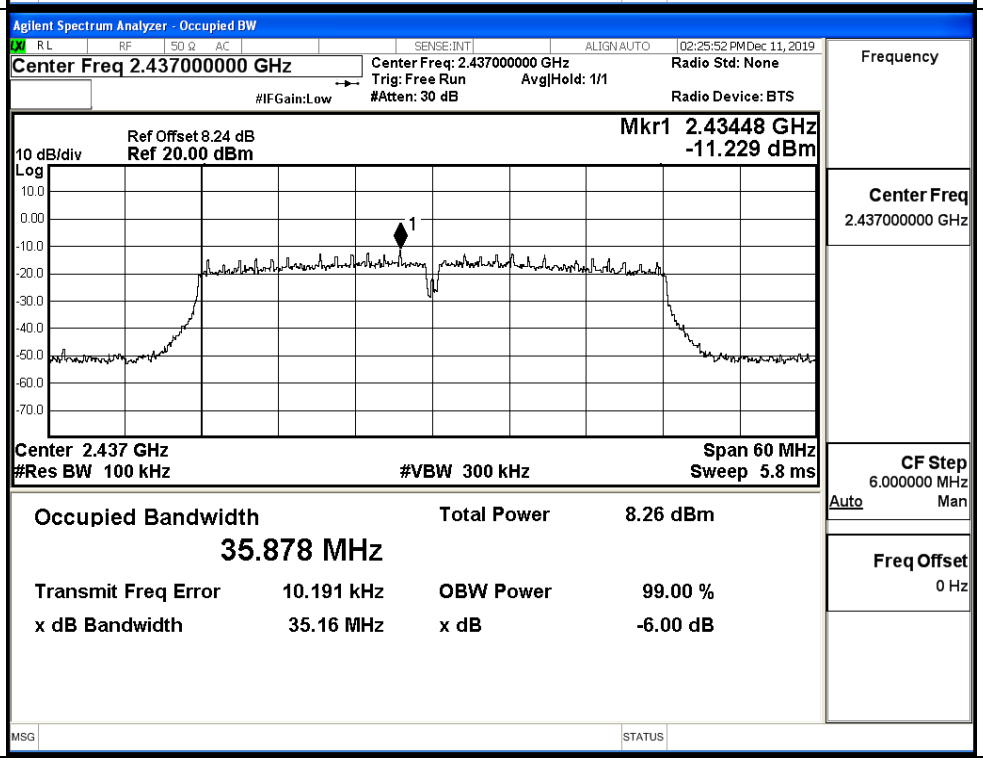
| Test Graphs | |
|---|---|
| 11B/LCH |  |

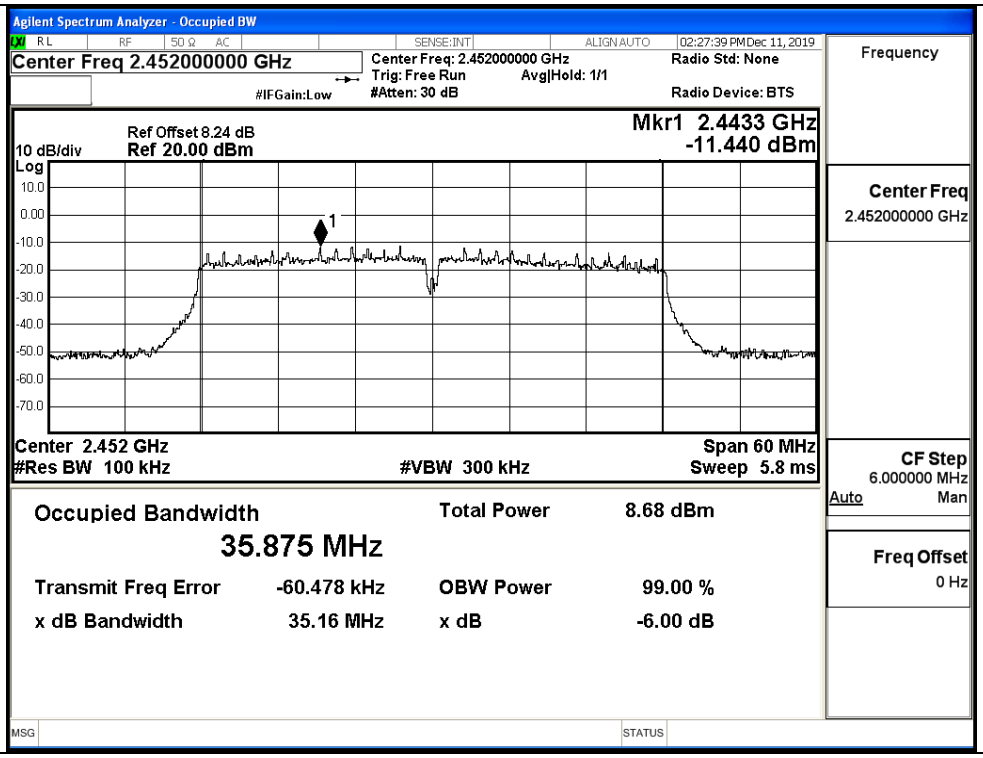
| | |
|---|---|
| 11B/MCH |  |
| 11B/HCH |  |

| | |
|---|---|
| 11G/LCH |  |
| 11G/MCH |  |

| | |
|---|---|
| 11G/HCH |  |
| 11N20SISO/LCH |  |

| | | |
|---|---|---|
| 11N20SISO/MCH |  | |
| 11N20SISO/HCH |  | |

| | |
|---|---|
| 11N40SISO/LCH |  |
| 11N40SISO/MCH |  |

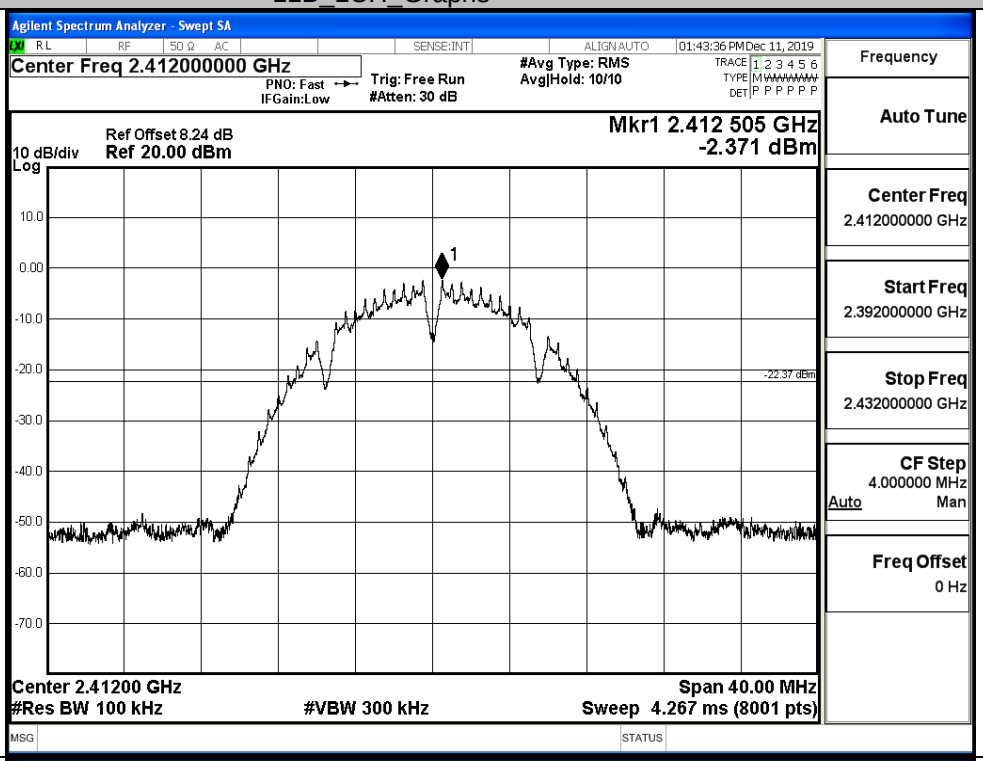
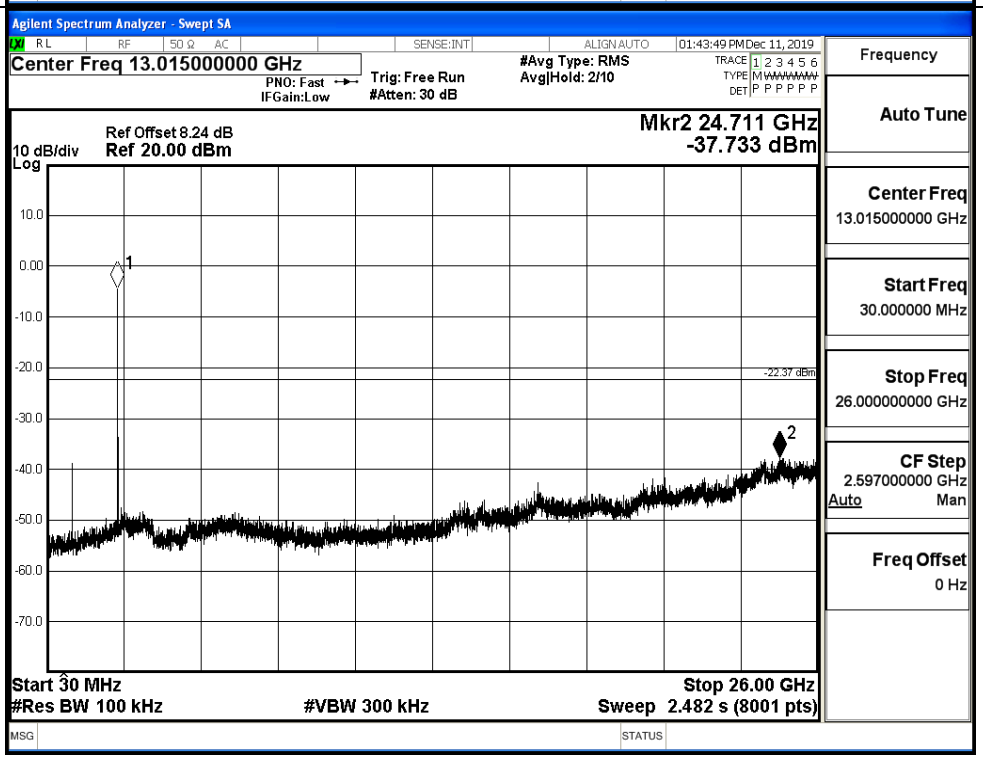
| | | |
|---|---|---|
| 11N40SISO/HCH | |  |

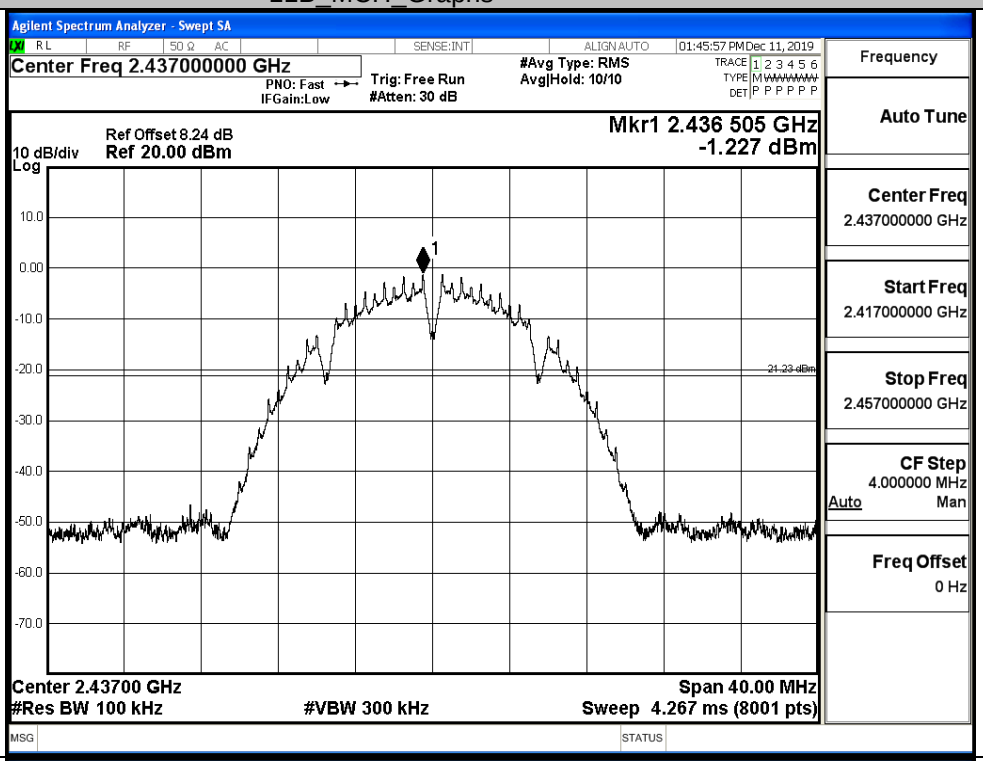
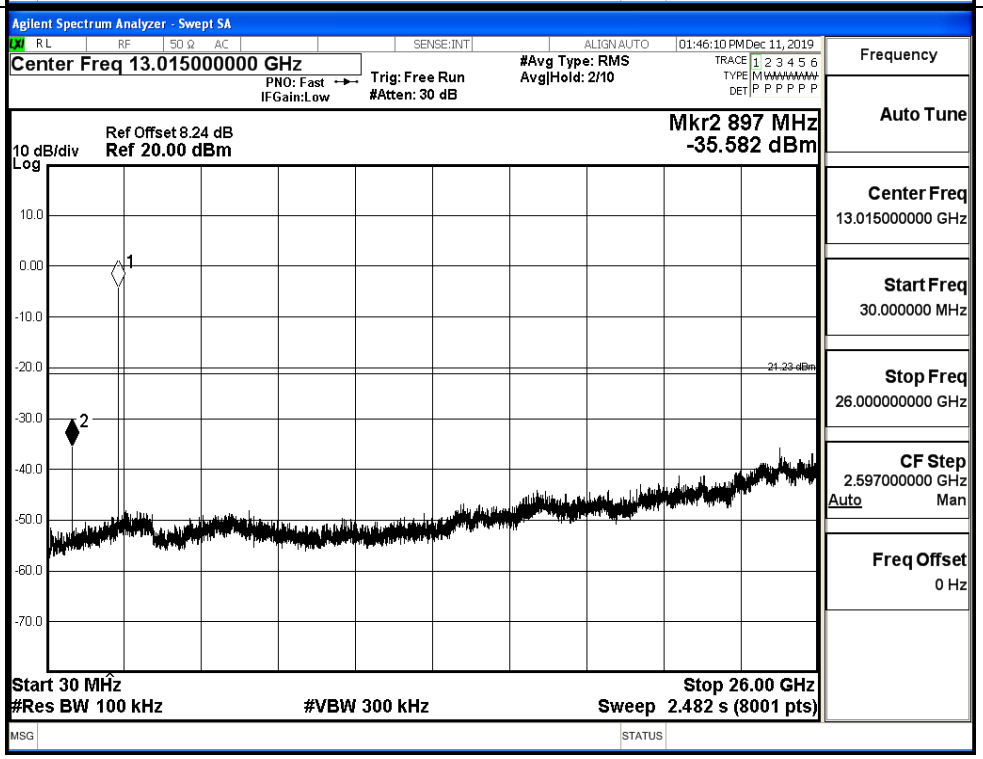


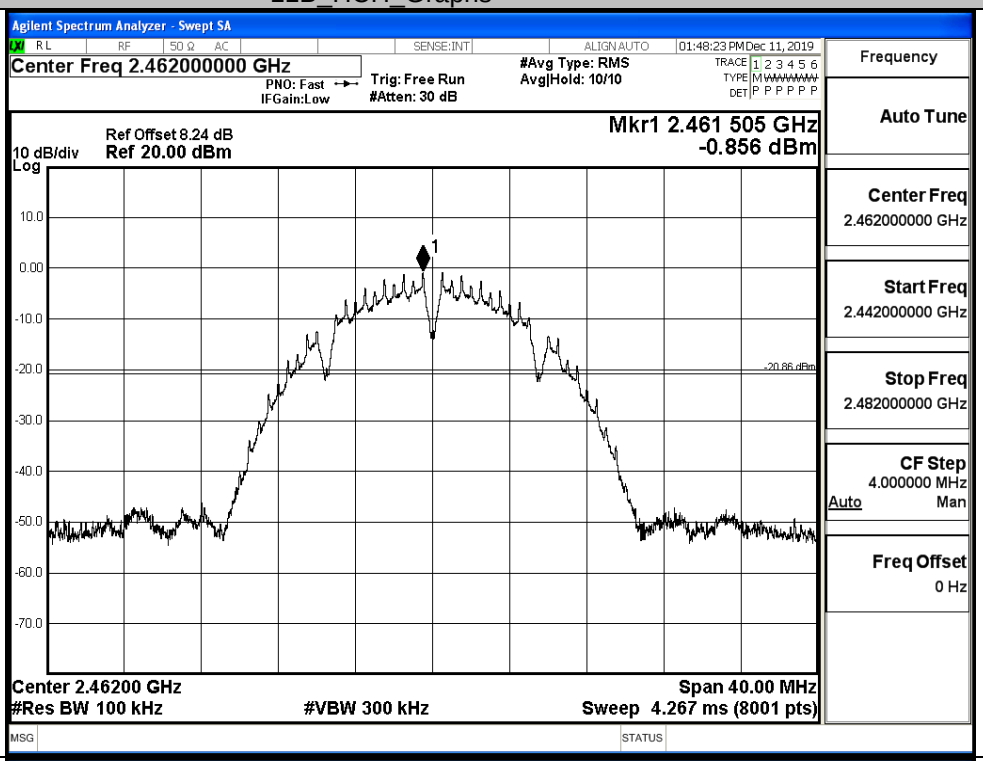
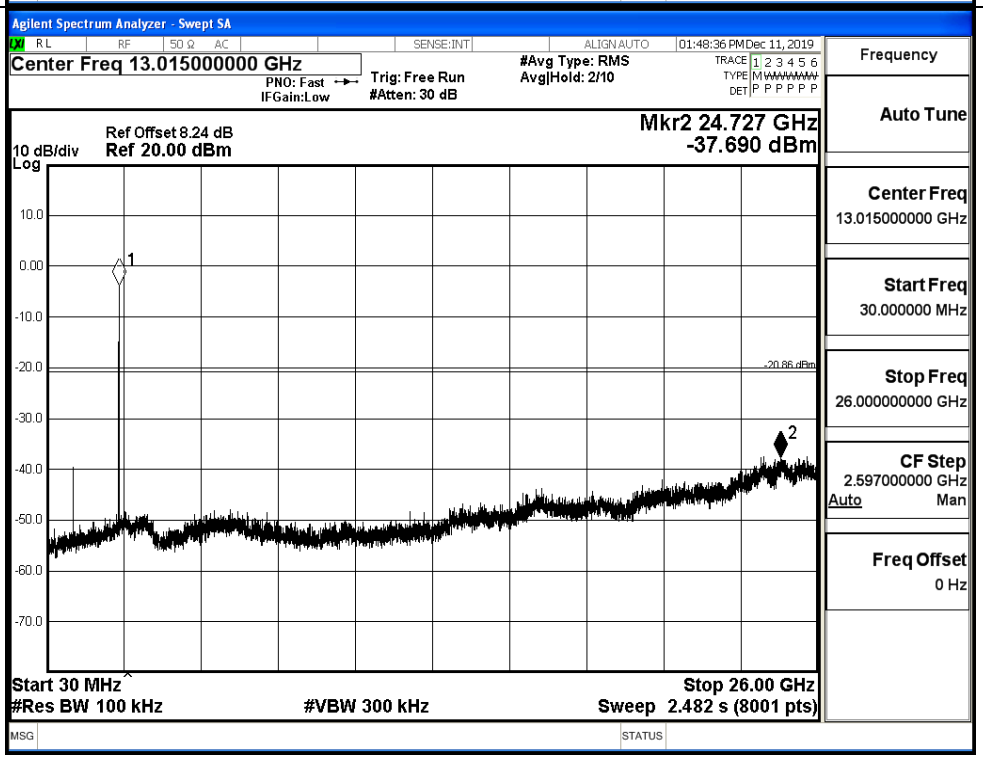
## C.5 RF Conducted Spurious Emissions

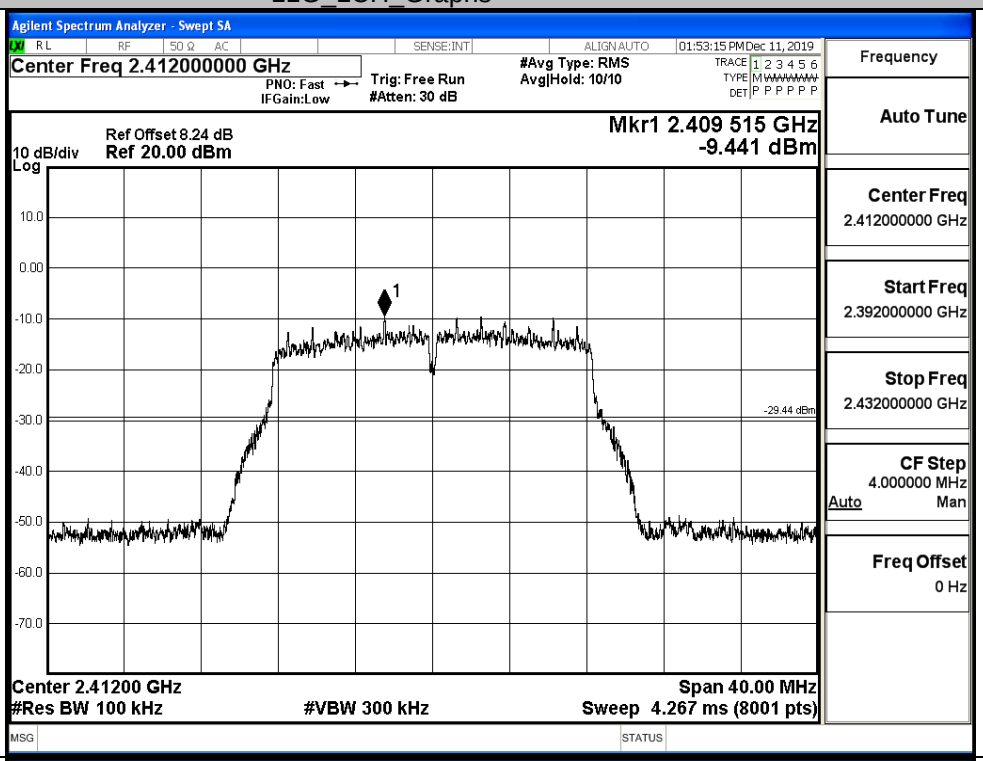
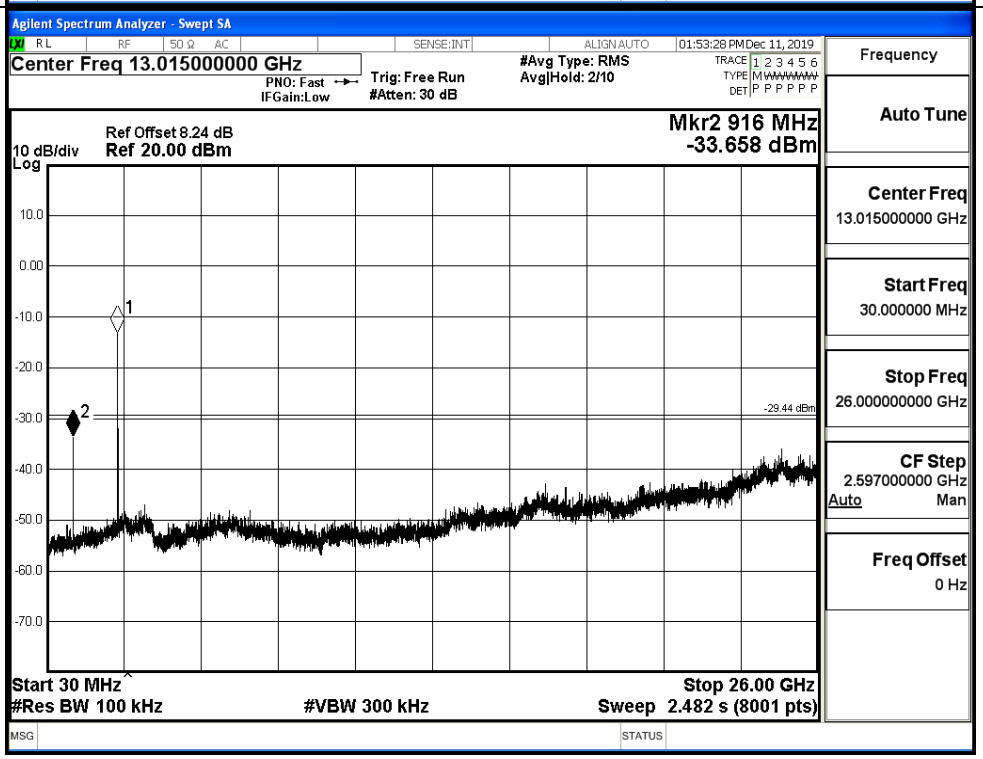
| Mode | Channel | Pref [dBm] | Max. Level [dBm] | Limit [dBm] | Verdic |
|---|---|---|---|---|---|

| | | | | | t |
|---|---|---|---|---|---|
| 11B | LCH | -2.371 | -37.733 | -22.371 | PASS |
| | MCH | -1.227 | -35.582 | -21.227 | PASS |
| | HCH | -0.856 | -37.690 | -20.856 | PASS |
| 11G | LCH | -9.441 | -33.658 | -29.441 | PASS |
| | MCH | -8.5 | -37.102 | -28.500 | PASS |
| | HCH | -9.027 | -33.571 | -29.027 | PASS |
| 11N20 SISO | LCH | -9.479 | -37.596 | -29.479 | PASS |
| | MCH | -9.625 | -34.163 | -29.625 | PASS |
| | HCH | -8.521 | -37.052 | -28.521 | PASS |
| 11N40 SISO | LCH | -12.888 | -36.443 | -32.888 | PASS |
| | MCH | -12.732 | -36.469 | -32.732 | PASS |
| | HCH | -11.485 | -37.871 | -31.485 | PASS |

| 11B_LCH_Graphs | | |
|---|---|---|
| Pref/11B/LCH | |  |
| Puw/11B/LCH | |  |

| 11B_MCH_Graphs | | |
|---|---|---|
| Pref/11B/MCH | |  |
| Puw/11B/MCH | |  |

| 11B_HCH_Graphs | | |
|---|---|---|
| Pref/11B/HCH | |  |
| Puw/11B/HCH | |  |

| 11G_LCH_Graphs | | |
|---|---|---|
| Pref/11G/LCH | |  |
| Puw/11G/LCH | |  |

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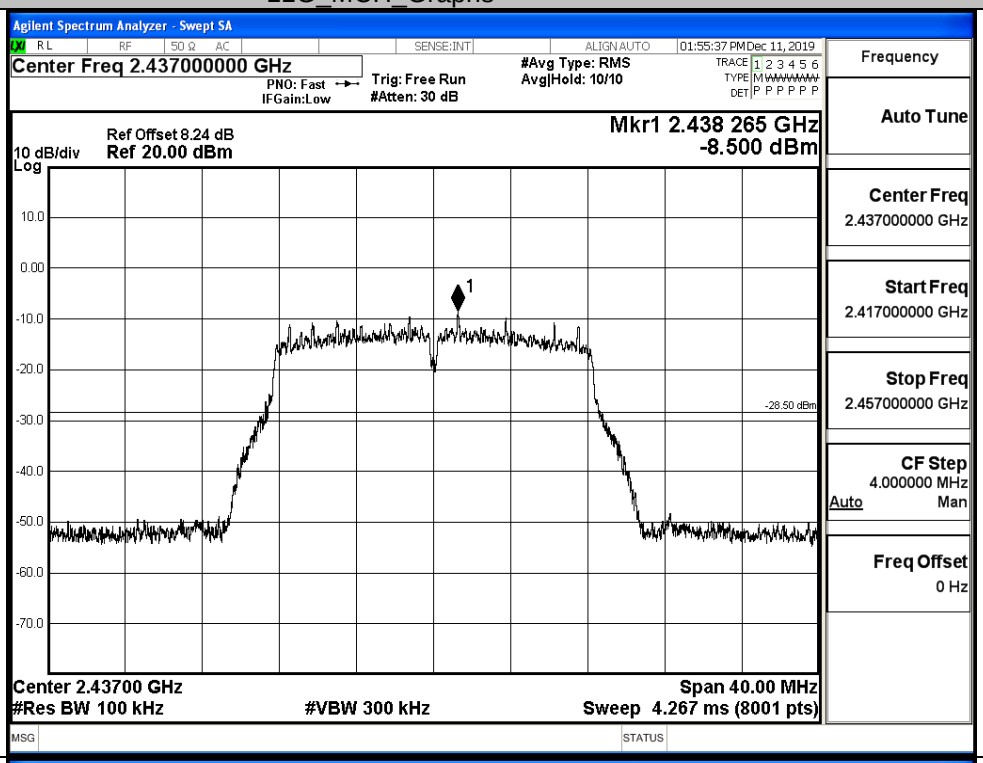
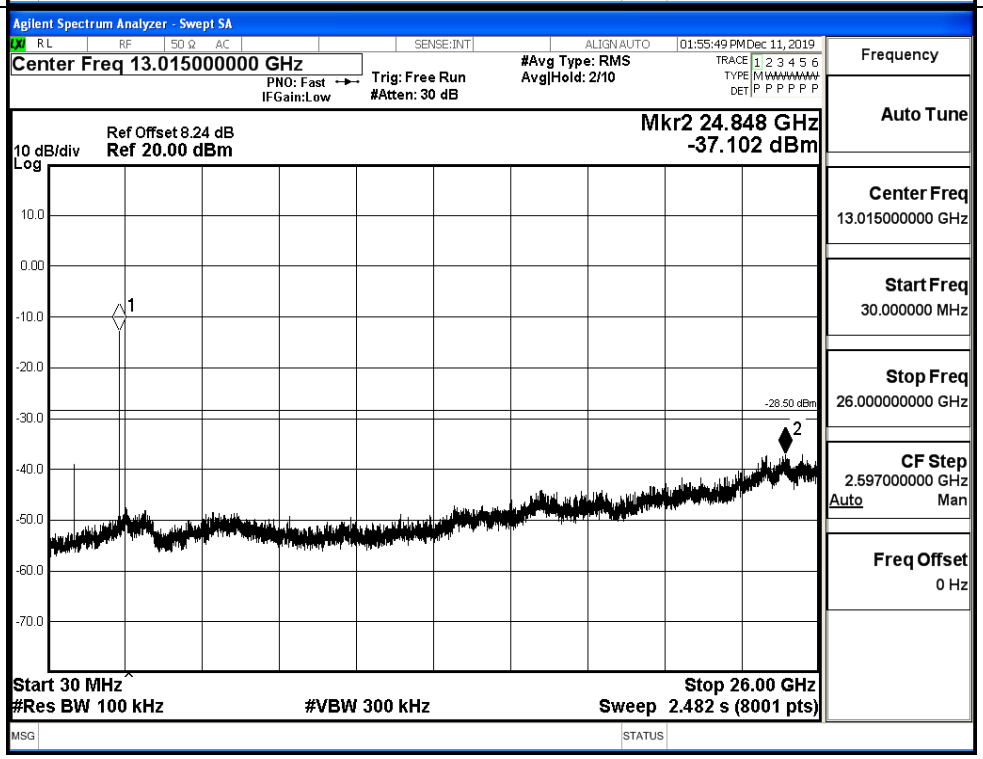
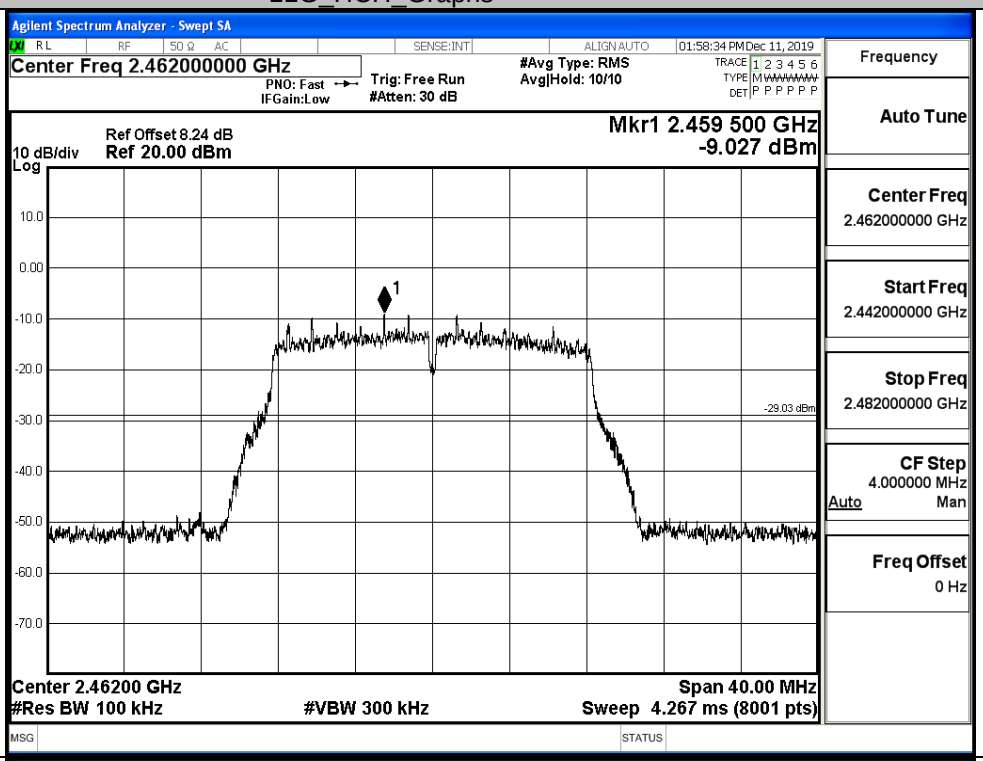
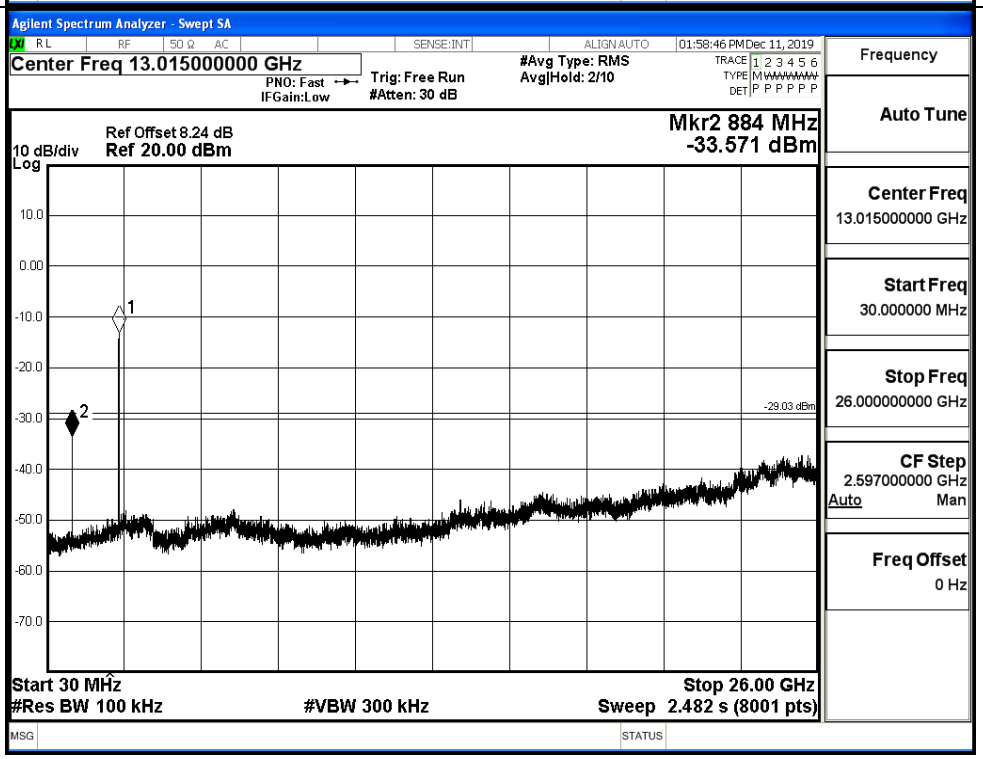
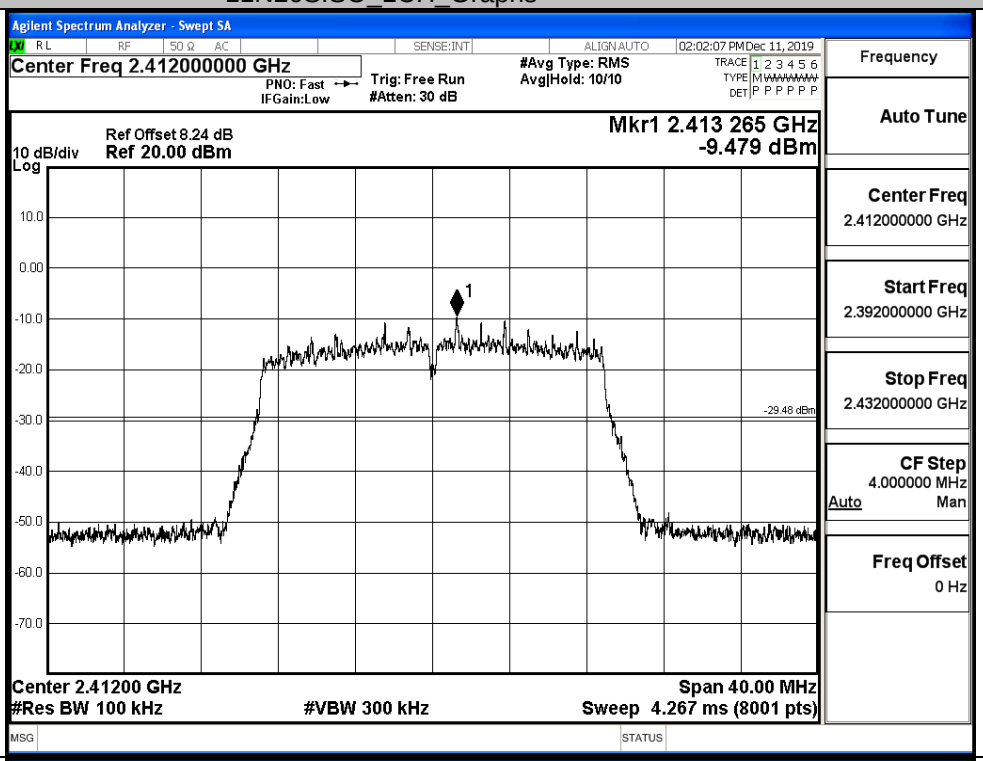
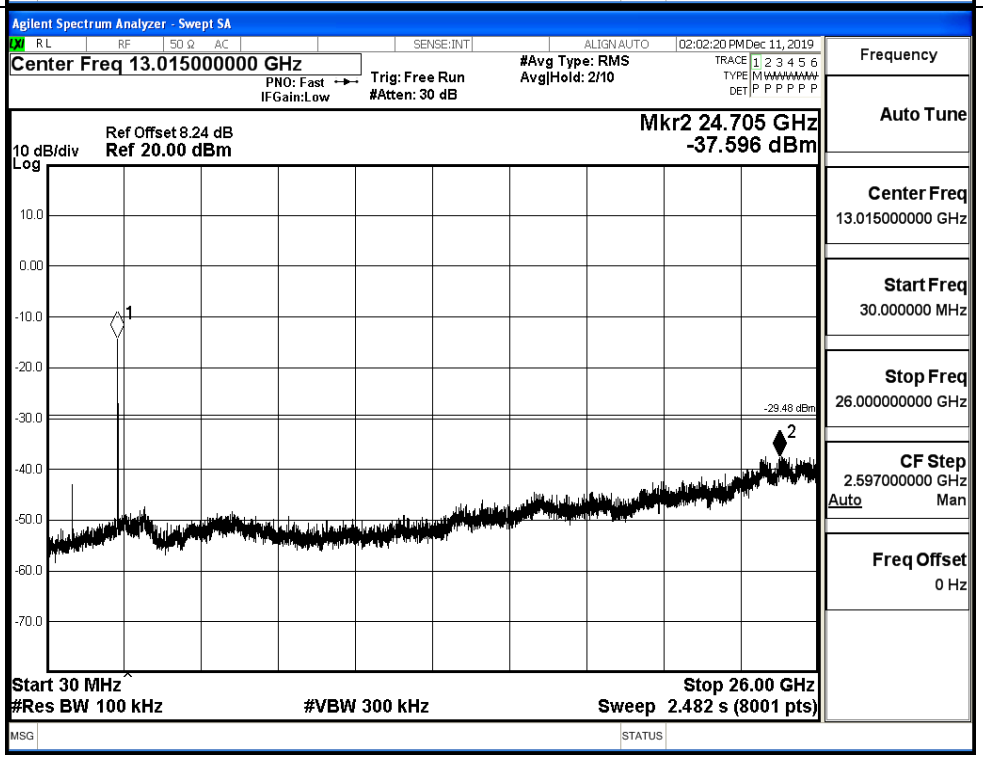
| Pref/11G/MCH |  |
| Puw/11G/MCH |  |

| 11G_HCH_Graphs | |
|---|---|
| Pref/11G/HCH |  |
| Puw/11G/HCH |  |

| 11N20SISO_LCH_Graphs | | |
|---|---|---|
| Pref/11N20SISO/LCH | |  |
| Puw/11N20SISO/LCH | |  |

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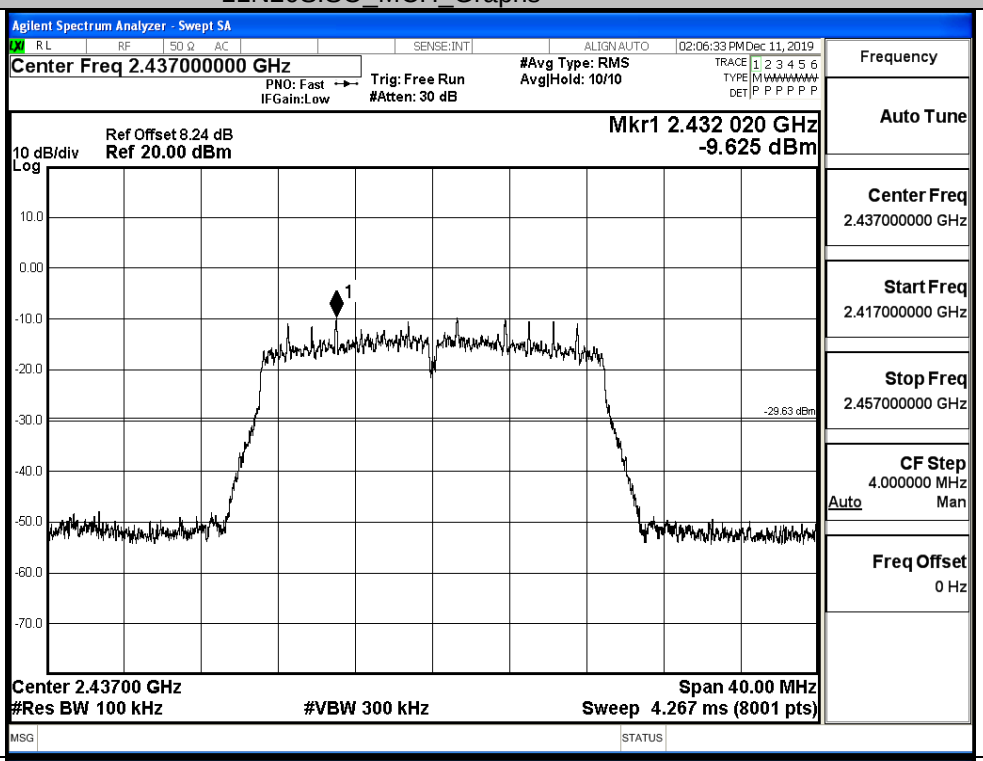
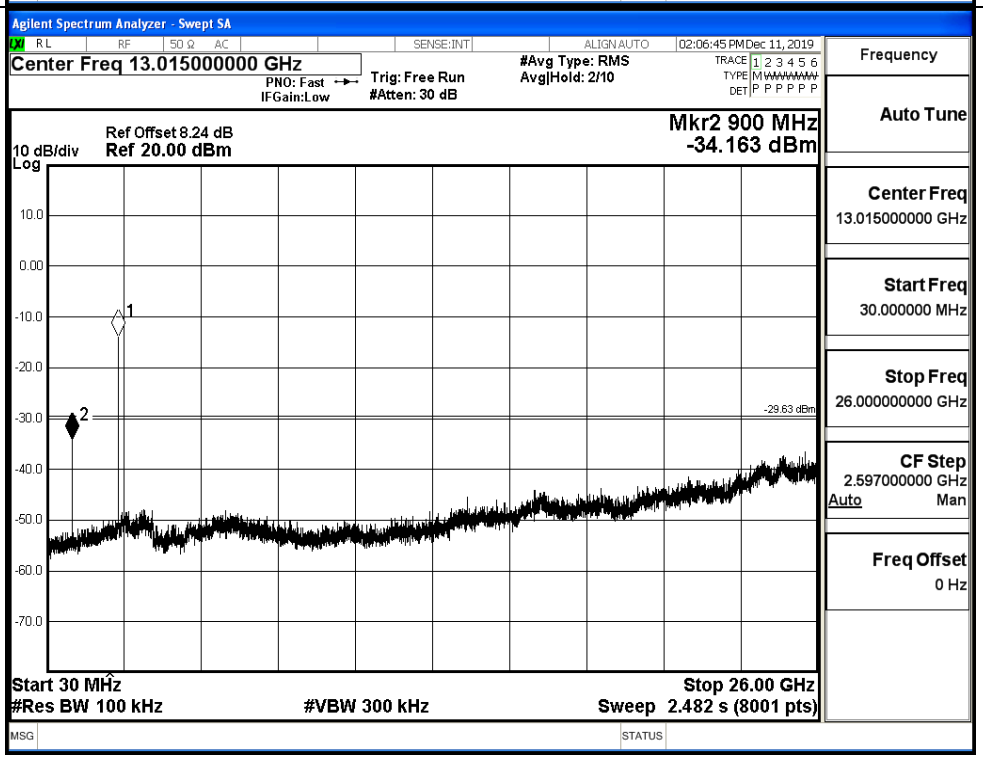
| Pref/11N20 SISO/MCH |  |
| Puw/11N20 SISO/MCH |  |

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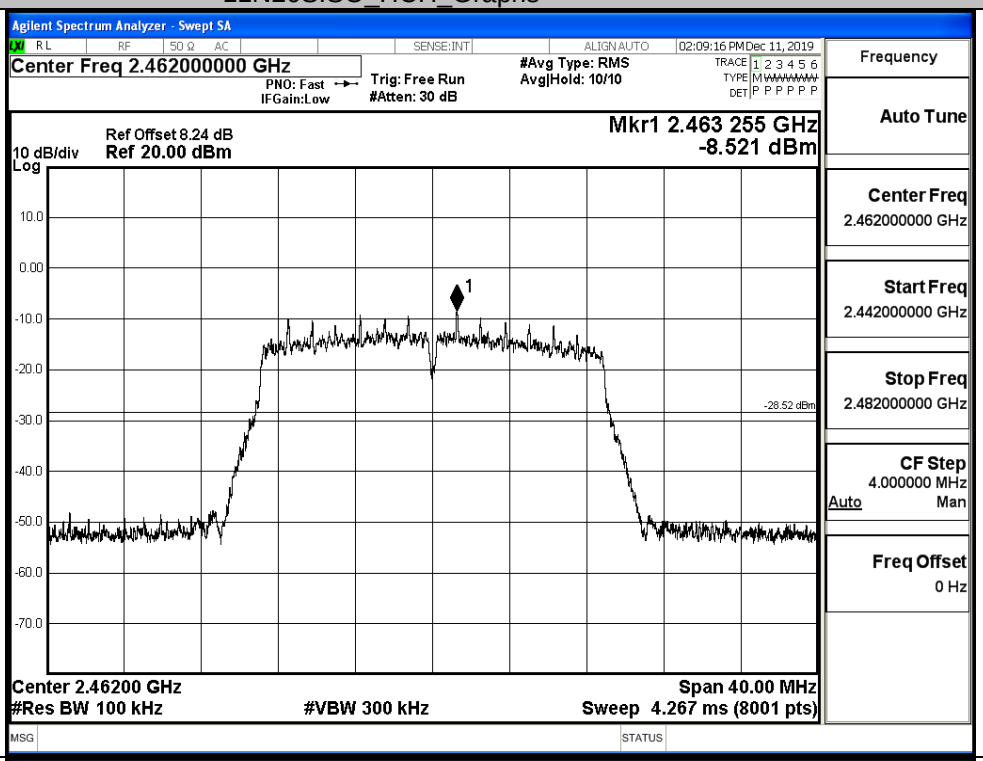
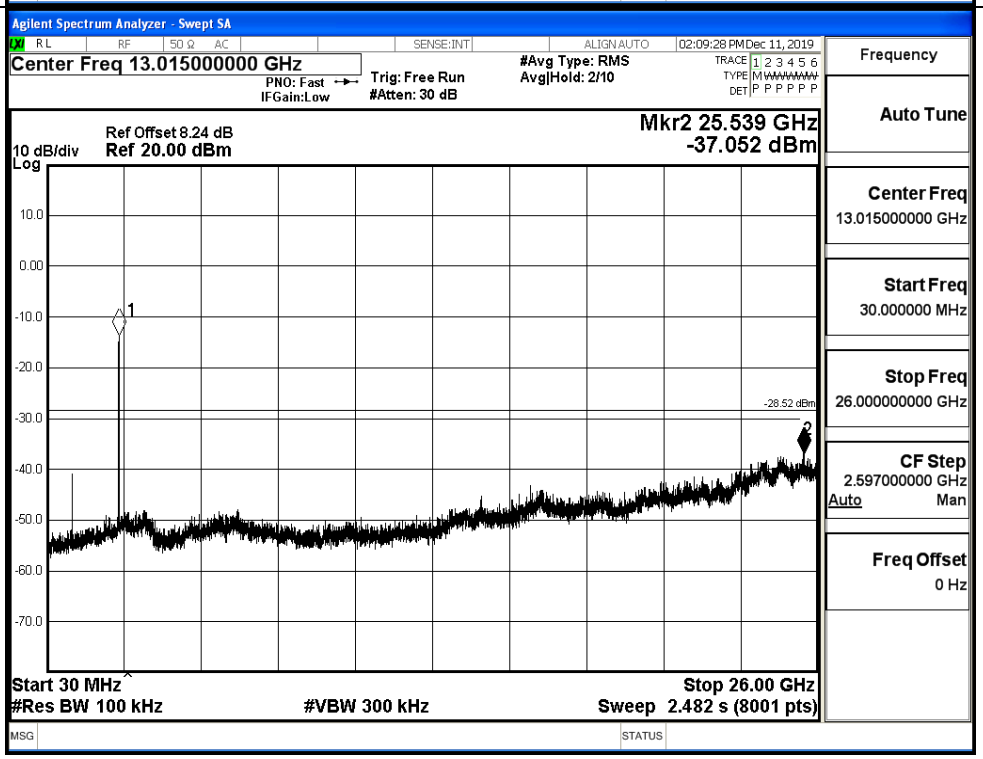
|---|---|
| Pref/11N20 SISO/HCH |  |
| Puw/11N20 SISO/HCH |  |

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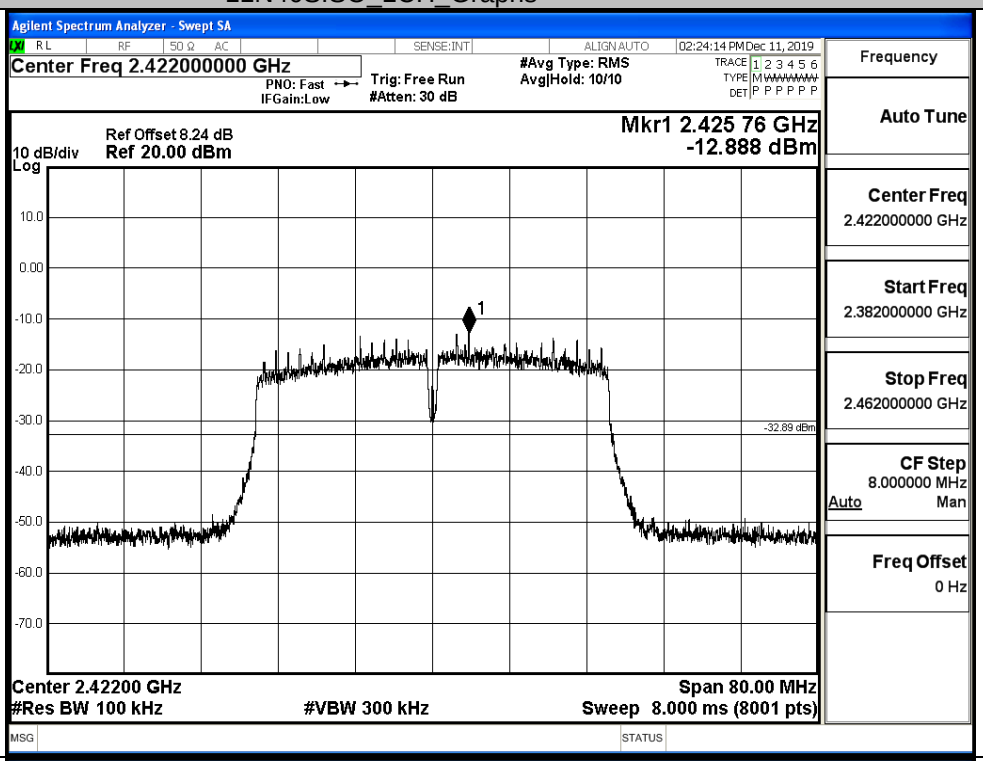
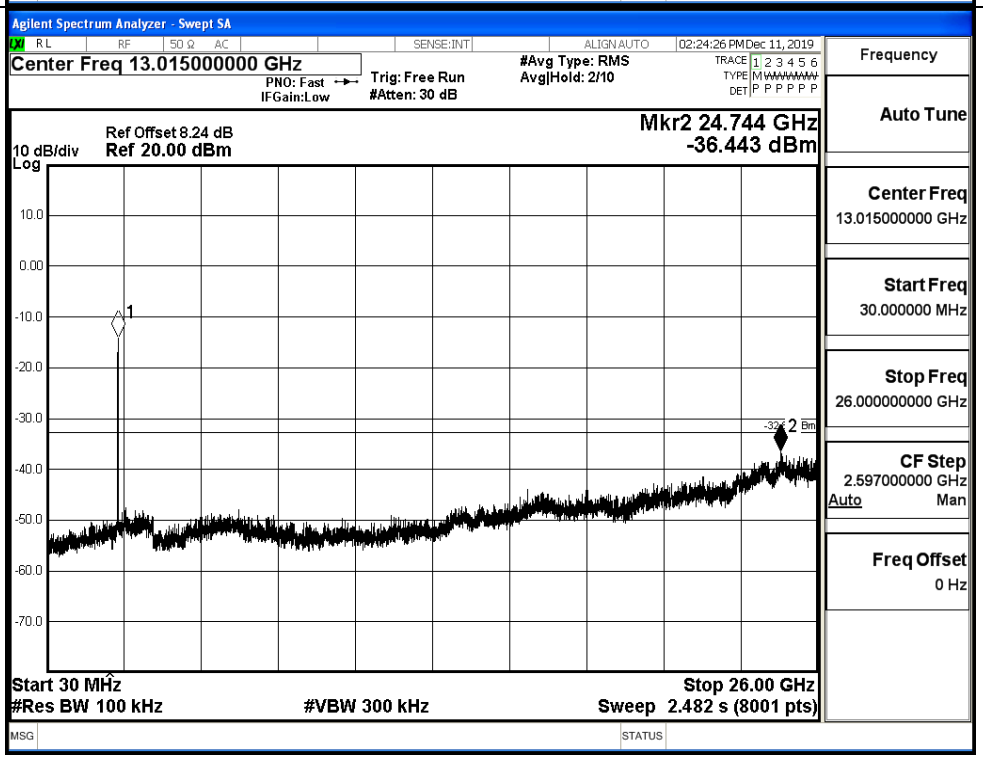
|---|---|
| Pref/11N40 SISO/LCH |  |
| Puw/11N40 SISO/LCH |  |

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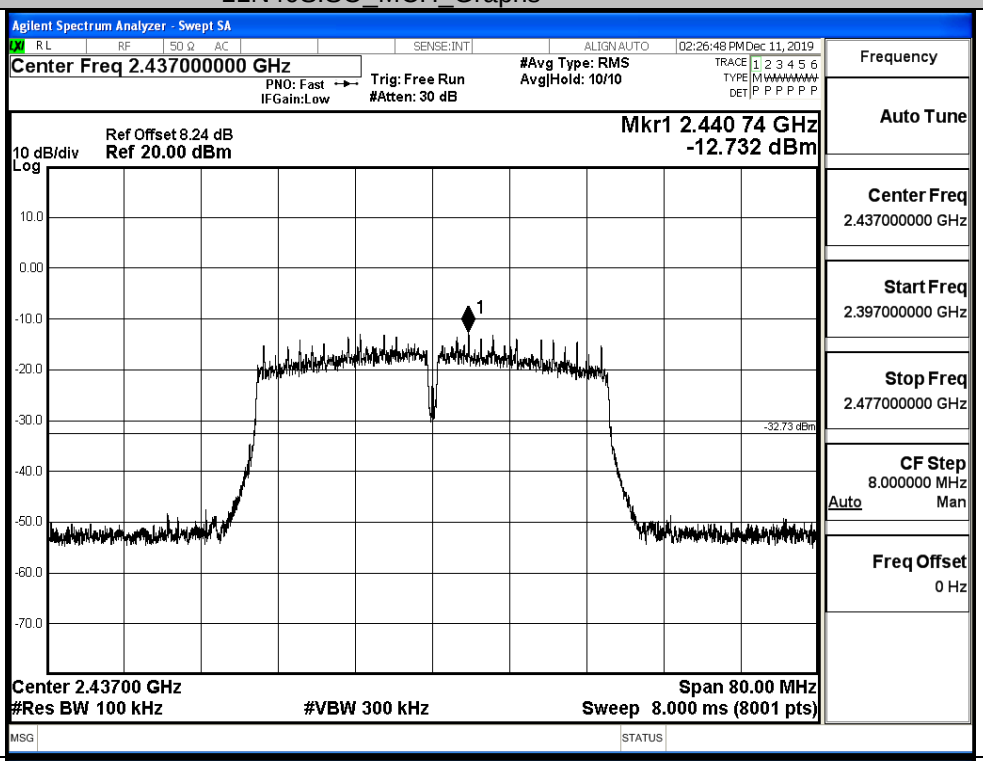
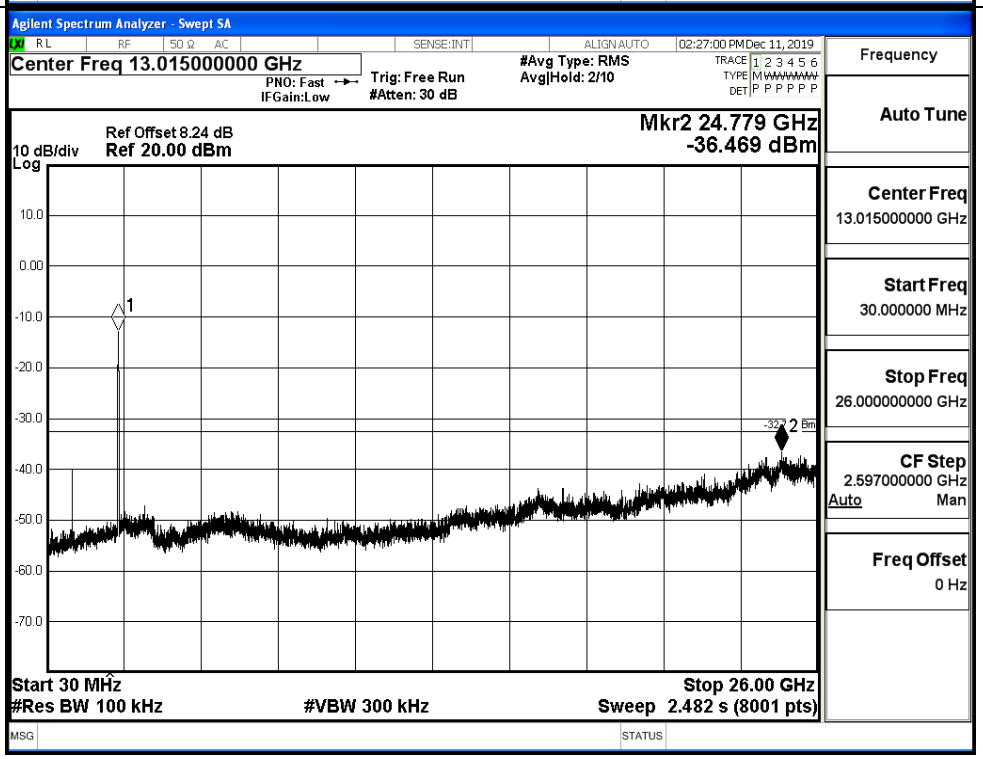
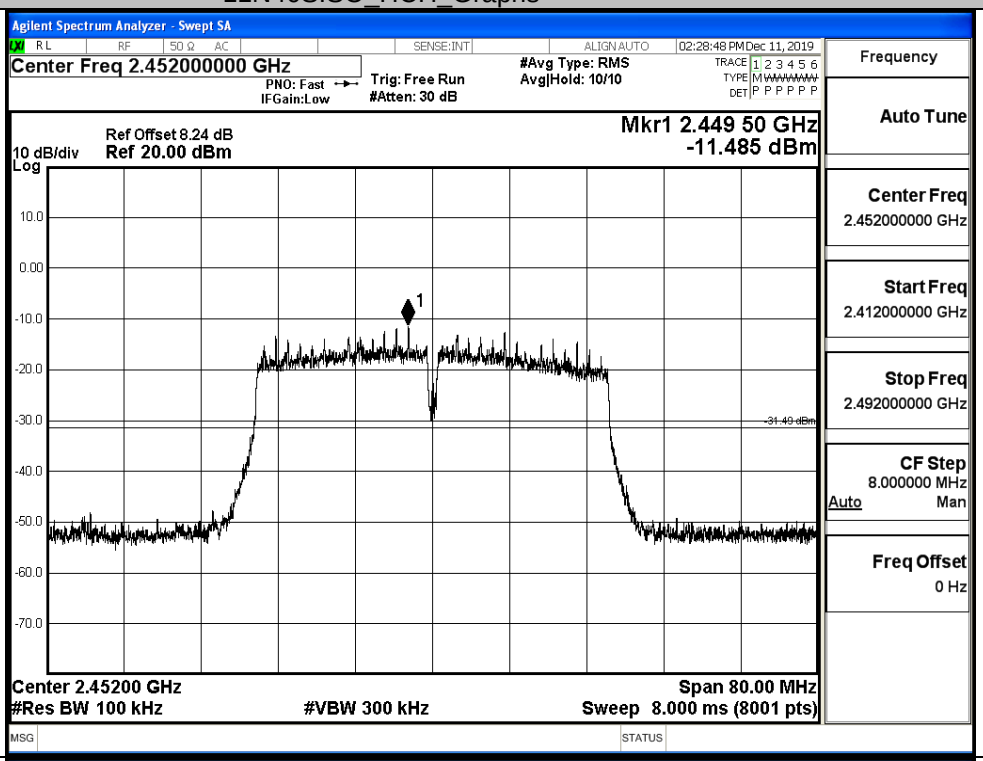
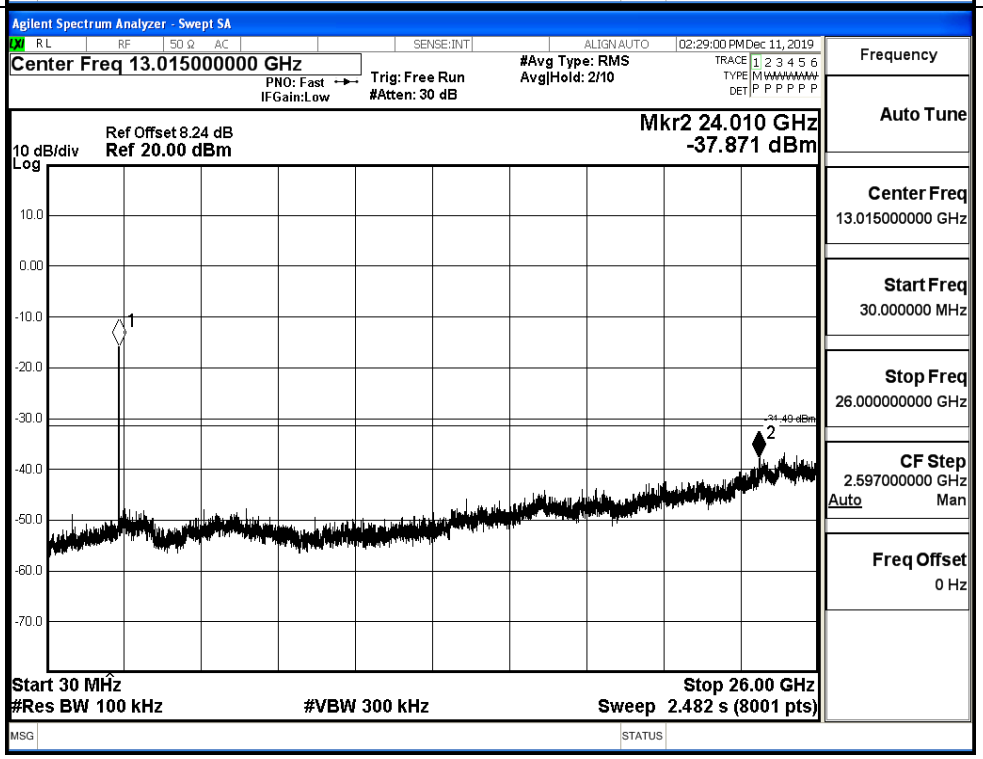
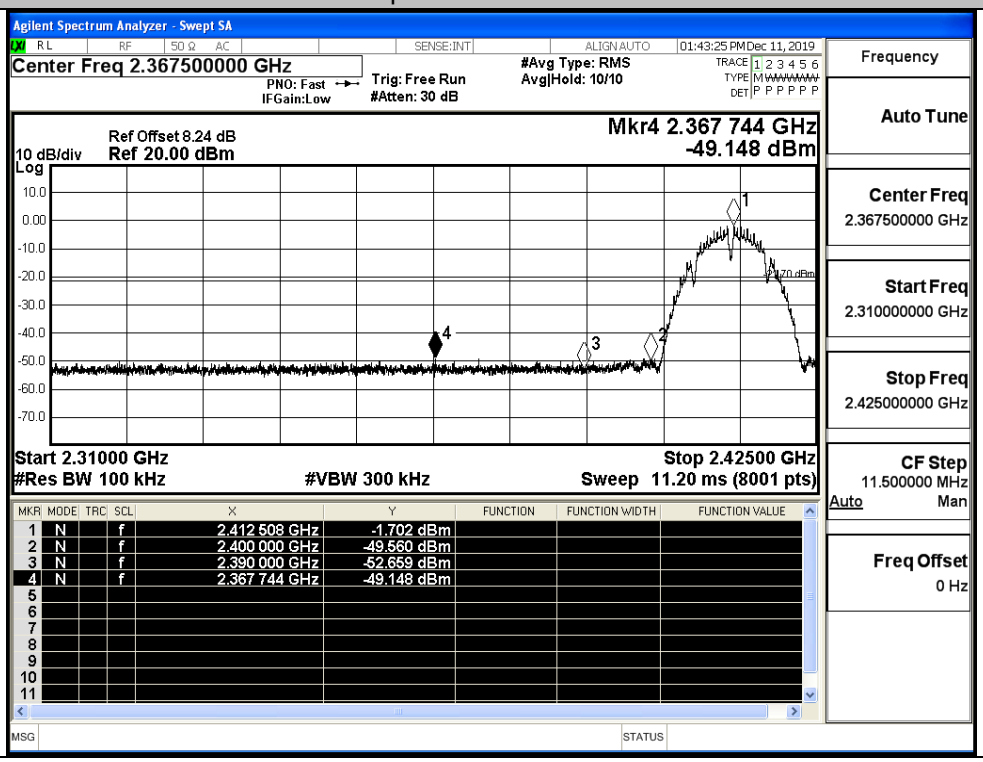
| Pref/11N40 SISO/MCH |  |
| Puw/11N40 SISO/MCH |  |

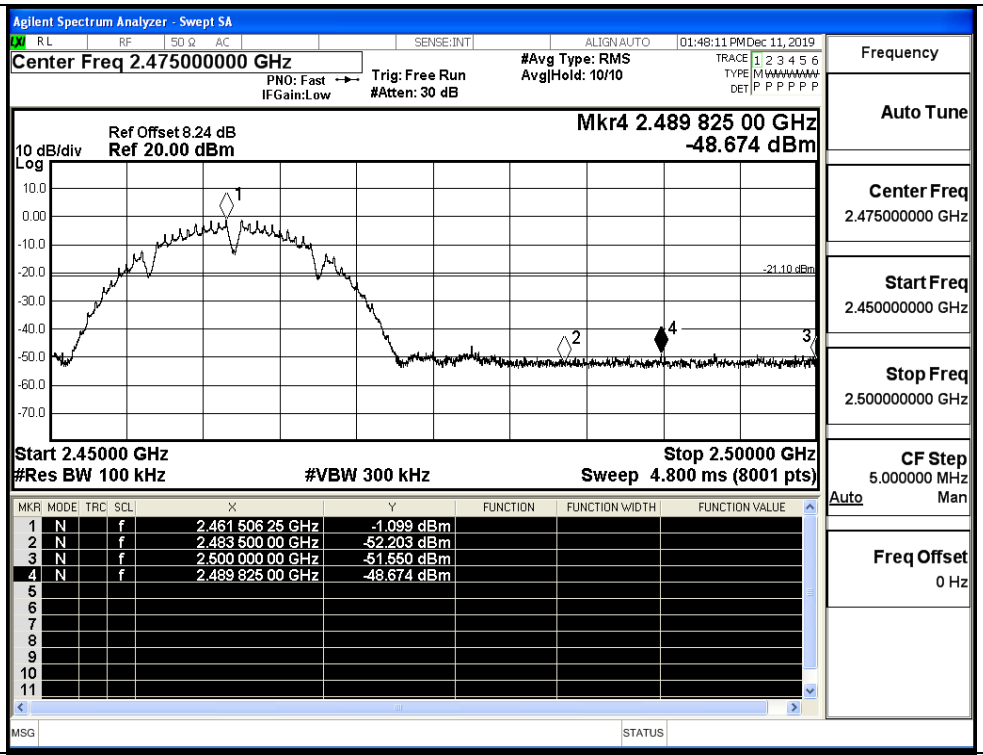
| 11N40SISO_HCH_Graphs | |
|---|---|
| Pref/11N40 SISO/HCH |  |
| Puw/11N40 SISO/HCH |  |

## C.6 Band-edge for RF Conducted Emissions

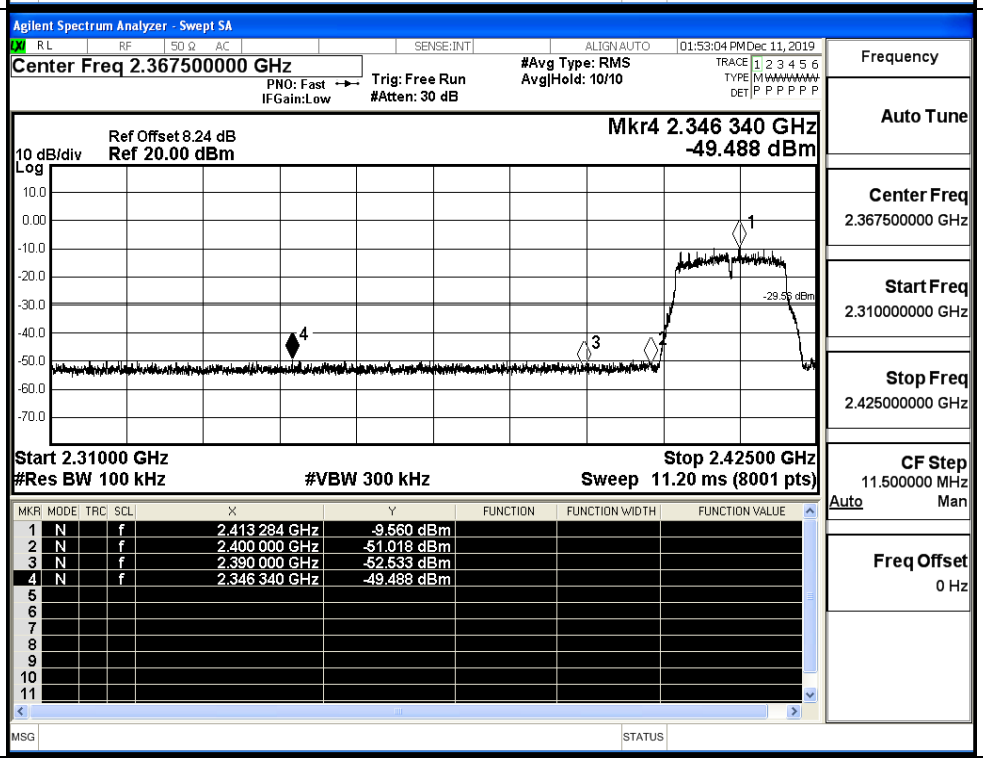
| Mode | Channel | Carrier Power[dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|
| 11B | LCH | -1.702 | -49.148 | -21.7 | PASS |
| | HCH | -1.099 | -48.674 | -21.1 | PASS |
| 11G | LCH | -9.560 | -49.488 | -29.56 | PASS |
| | HCH | -8.752 | -49.211 | -28.75 | PASS |
| 11N20SISO | LCH | -10.234 | -49.568 | -30.23 | PASS |
| | HCH | -9.379 | -48.946 | -29.38 | PASS |
| 11N40SISO | LCH | -12.631 | -49.404 | -32.63 | PASS |
| | HCH | -11.470 | -49.416 | -31.47 | PASS |

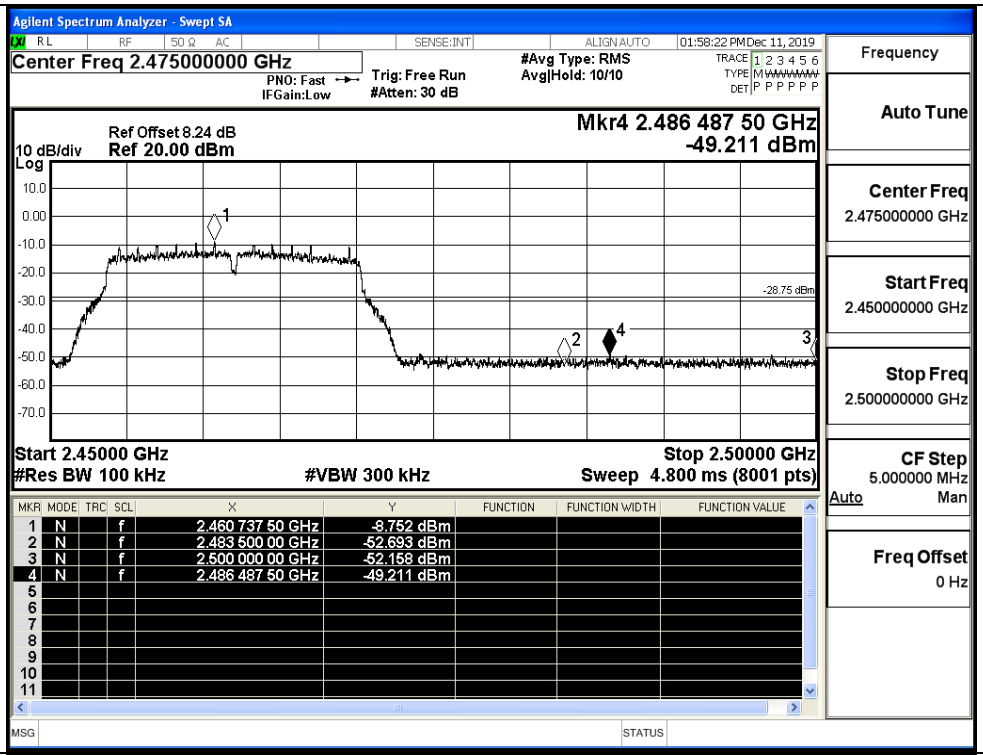
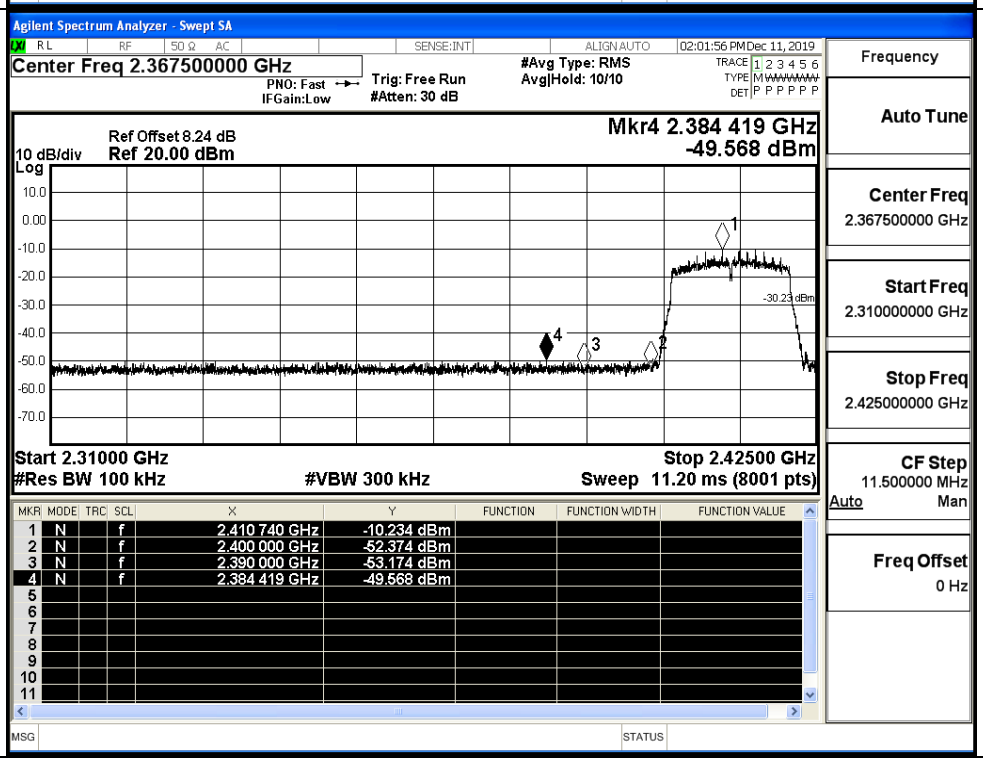
| Test Graphs | |
|---|---|
| 11B/LCH |  |

11B/HCH

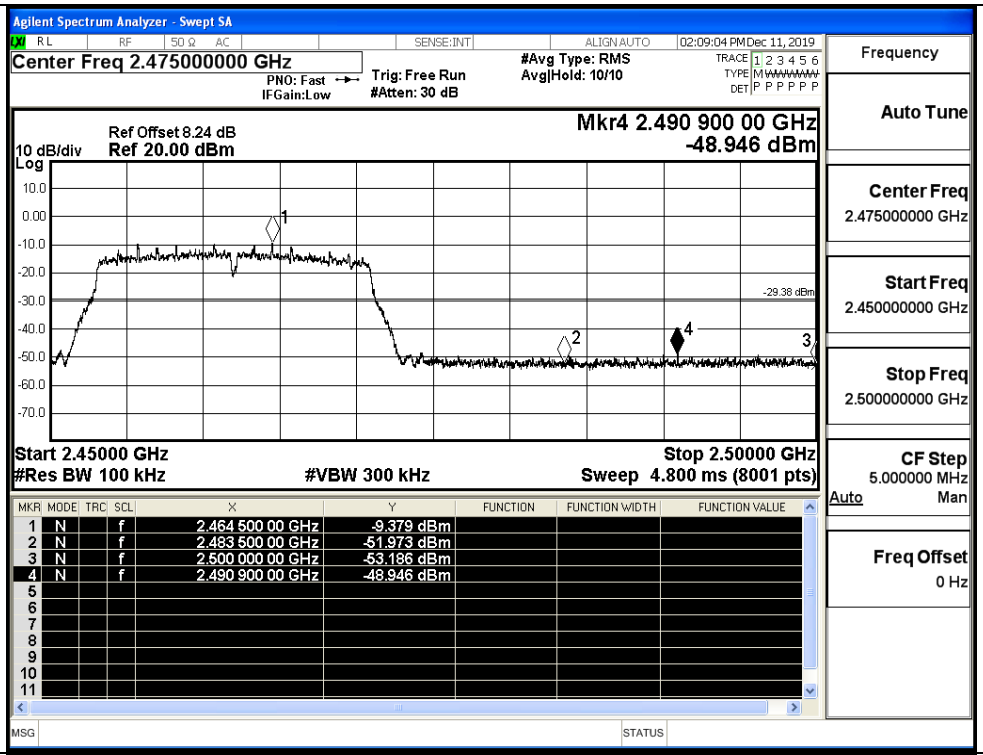



11G/LCH

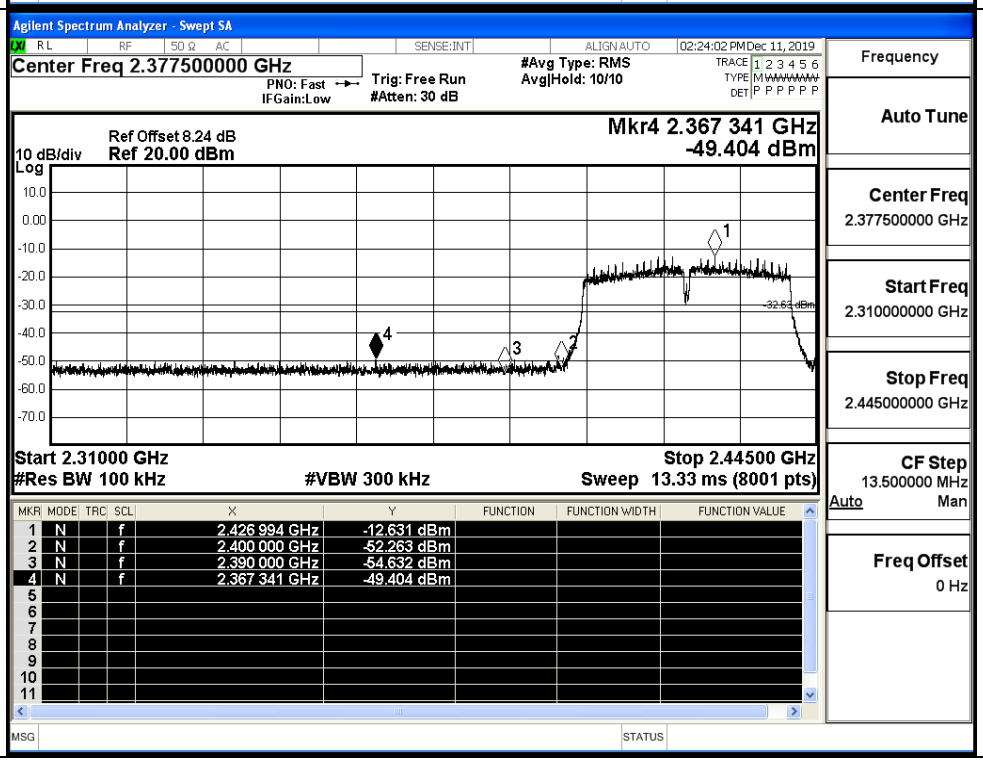


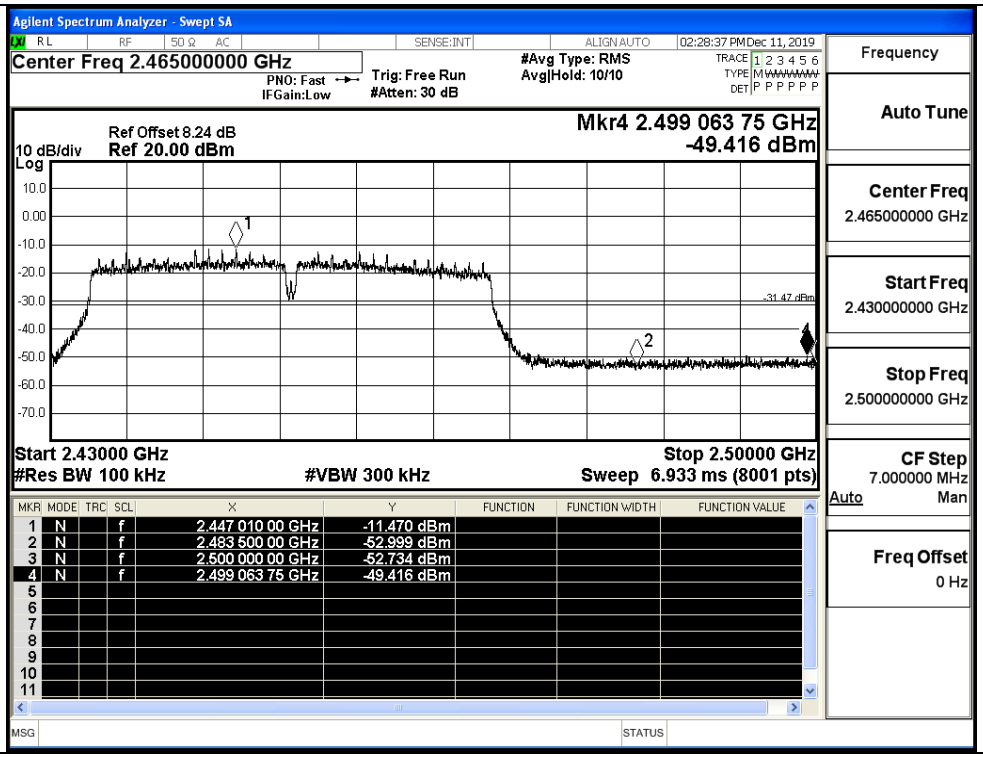
| | | |
|---|---|---|
| 11G/HCH | |  |
| 11N20SISO/LCH | |  |

11N20SISO/HCH




11N40SISO/LCH



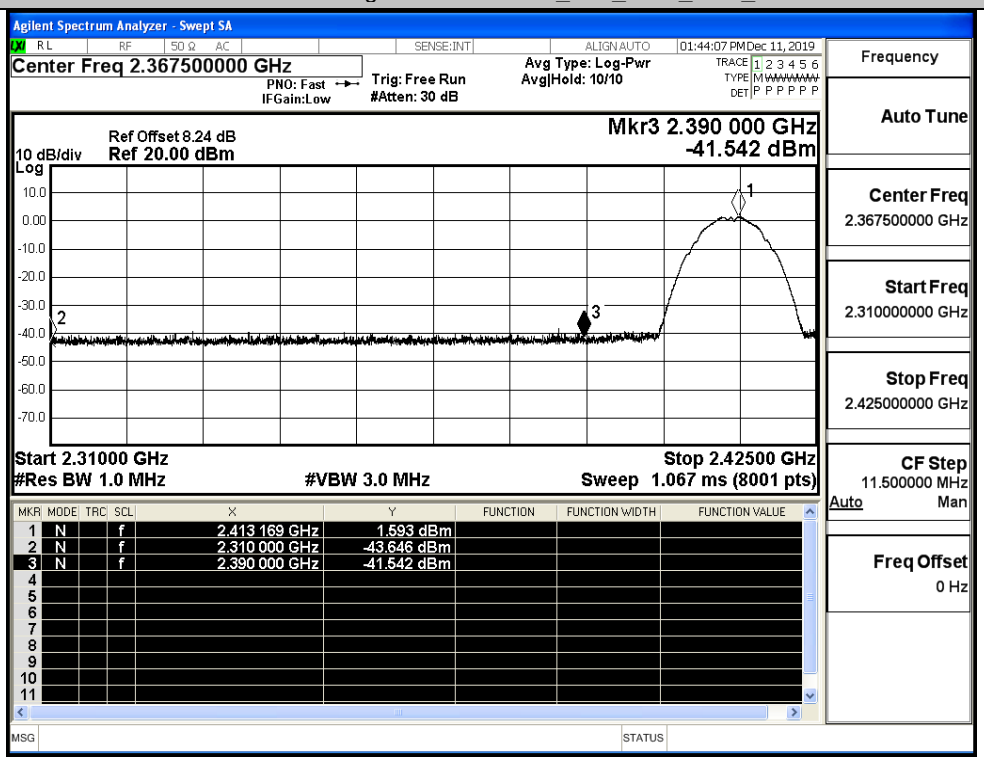
| | |
|---|---|
| 11N40SISO/HCH |  |

## C.7 Restrict-band band-edge measurements

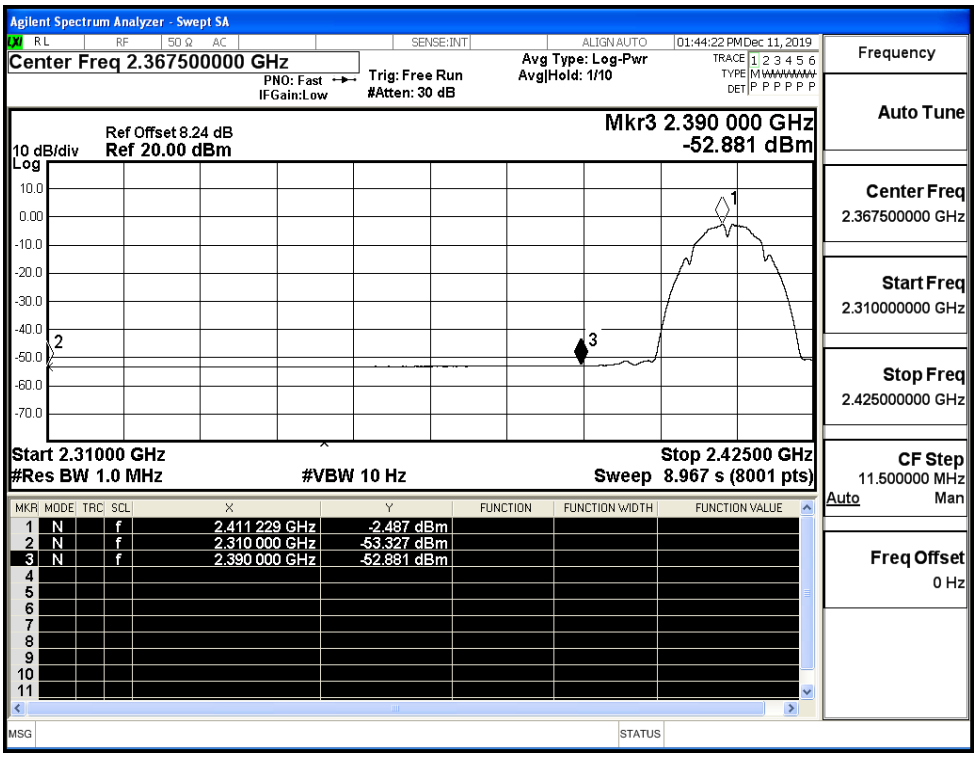
| Test Mode | Test Channel | Ant | Freq. | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| 11B | 2412 | Ant1 | 2310.0 | -43.65 | 2.0 | 0 | 51.61 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2310.0 | -53.33 | 2.0 | 0 | 41.93 | AV | 54 | PASS |
| | 2412 | Ant1 | 2390.0 | -41.54 | 2.0 | 0 | 53.72 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2390.0 | -52.88 | 2.0 | 0 | 42.38 | AV | 54 | PASS |
| | 2462 | Ant1 | 2483.5 | -42.44 | 2.0 | 0 | 52.81 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2483.5 | -52.53 | 2.0 | 0 | 42.73 | AV | 54 | PASS |
| | 2462 | Ant1 | 2500.0 | -41.42 | 2.0 | 0 | 53.84 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2500.0 | -52.27 | 2.0 | 0 | 42.99 | AV | 54 | PASS |
| 11G | 2412 | Ant1 | 2310.0 | -42.35 | 2.0 | 0 | 52.91 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2310.0 | -53.28 | 2.0 | 0 | 41.98 | AV | 54 | PASS |
| | 2412 | Ant1 | 2390.0 | -42.33 | 2.0 | 0 | 52.93 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2390.0 | -52.87 | 2.0 | 0 | 42.39 | AV | 54 | PASS |
| | 2462 | Ant1 | 2483.5 | -42.55 | 2.0 | 0 | 52.71 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2483.5 | -52.56 | 2.0 | 0 | 42.70 | AV | 54 | PASS |
| | 2462 | Ant1 | 2500.0 | -41.51 | 2.0 | 0 | 53.75 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2500.0 | -52.34 | 2.0 | 0 | 42.92 | AV | 54 | PASS |
| 11N20 SISO | 2412 | Ant1 | 2310.0 | -42.82 | 2.0 | 0 | 52.44 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2310.0 | -53.33 | 2.0 | 0 | 41.93 | AV | 54 | PASS |
| | 2412 | Ant1 | 2390.0 | -43.25 | 2.0 | 0 | 52.01 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2390.0 | -52.92 | 2.0 | 0 | 42.34 | AV | 54 | PASS |
| | 2462 | Ant1 | 2483.5 | -42.42 | 2.0 | 0 | 52.84 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2483.5 | -52.53 | 2.0 | 0 | 42.72 | AV | 54 | PASS |
| | 2462 | Ant1 | 2500.0 | -41.66 | 2.0 | 0 | 53.59 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2500.0 | -52.33 | 2.0 | 0 | 42.93 | AV | 54 | PASS |
| 11N40 SISO | 2422 | Ant1 | 2310.0 | -41.89 | 2.0 | 0 | 53.37 | PEAK | 74 | PASS |
| | 2422 | Ant1 | 2310.0 | -53.34 | 2.0 | 0 | 41.92 | AV | 54 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2422 | Ant1 | 2390.0 | -42.52 | 2.0 | 0 | 52.73 | PEAK | 74 | PASS |
| | 2422 | Ant1 | 2390.0 | -52.93 | 2.0 | 0 | 42.32 | AV | 54 | PASS |
| | 2452 | Ant1 | 2483.5 | -42.36 | 2.0 | 0 | 52.90 | PEAK | 74 | PASS |
| | 2452 | Ant1 | 2483.5 | -52.54 | 2.0 | 0 | 42.72 | AV | 54 | PASS |
| | 2452 | Ant1 | 2500.0 | -42.00 | 2.0 | 0 | 53.26 | PEAK | 74 | PASS |
| | 2452 | Ant1 | 2500.0 | -52.35 | 2.0 | 0 | 42.91 | AV | 54 | PASS |

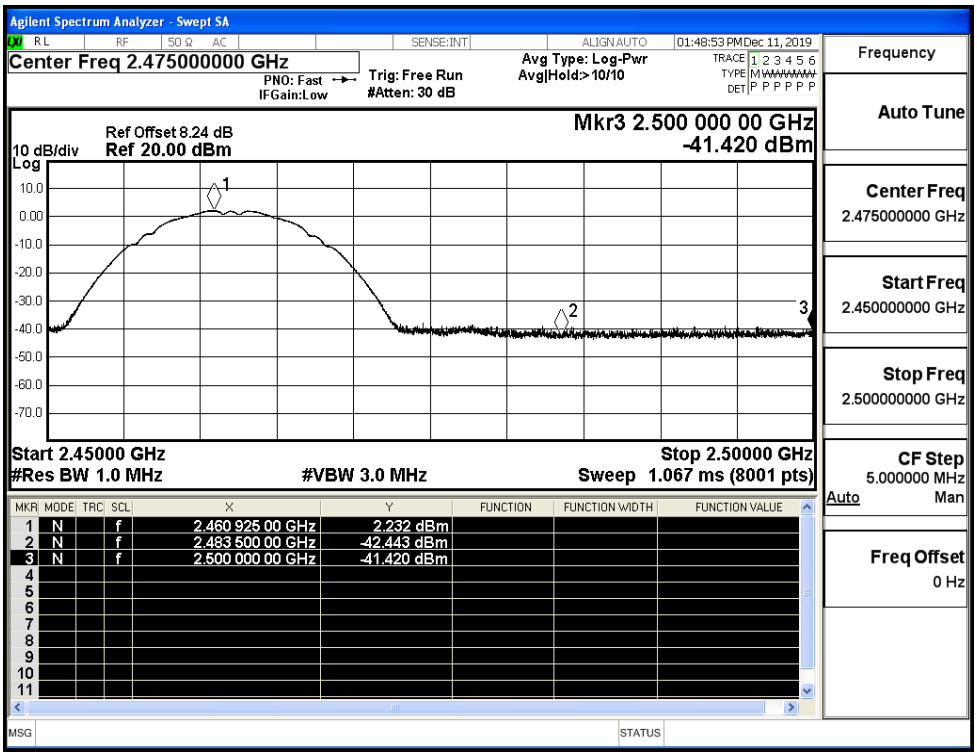
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK




Restrict-band band-edge measurements_11B_2412_Ant1_AV



Restrict-band band-edge measurements_11B_2462_Ant1_PEAK

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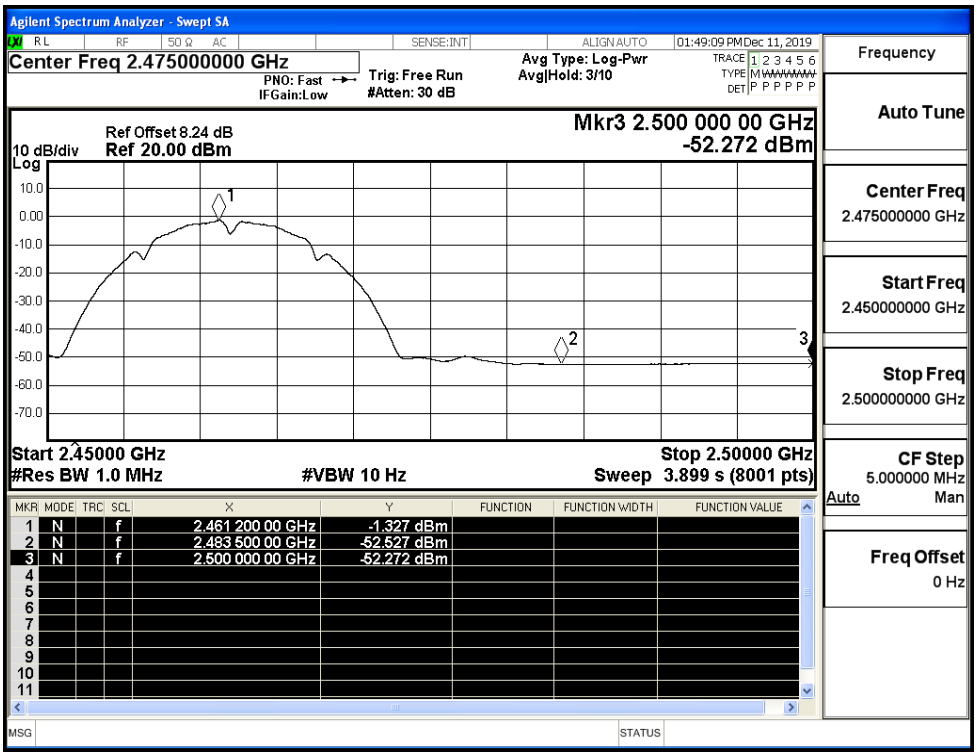
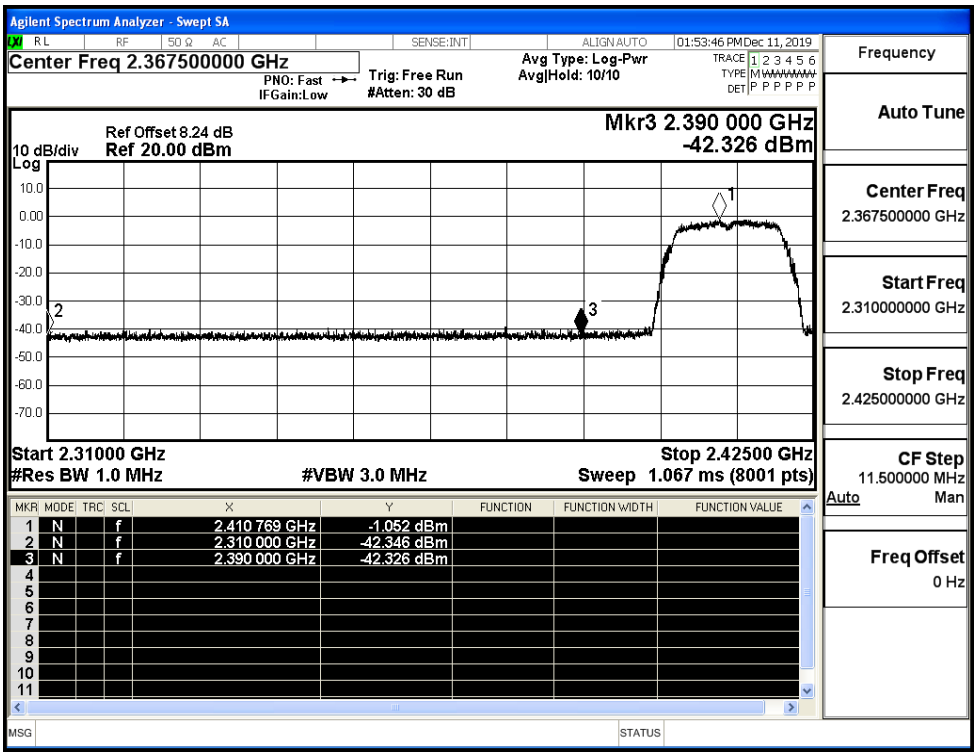


Restrict-band band-edge measurements_11G_2412_Ant1_PEAK

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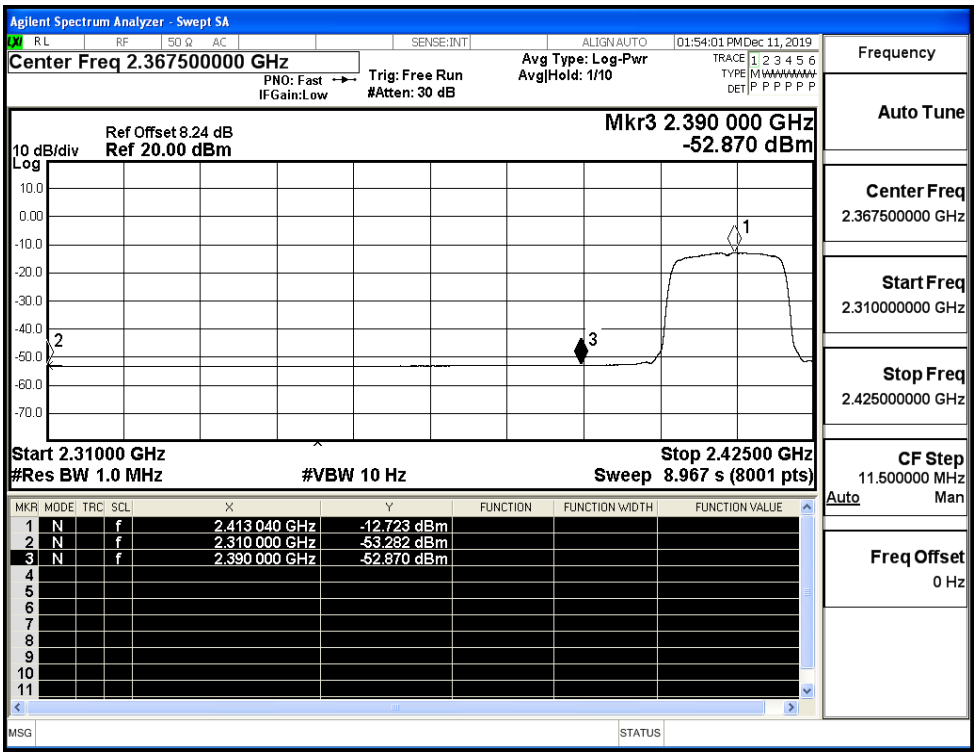

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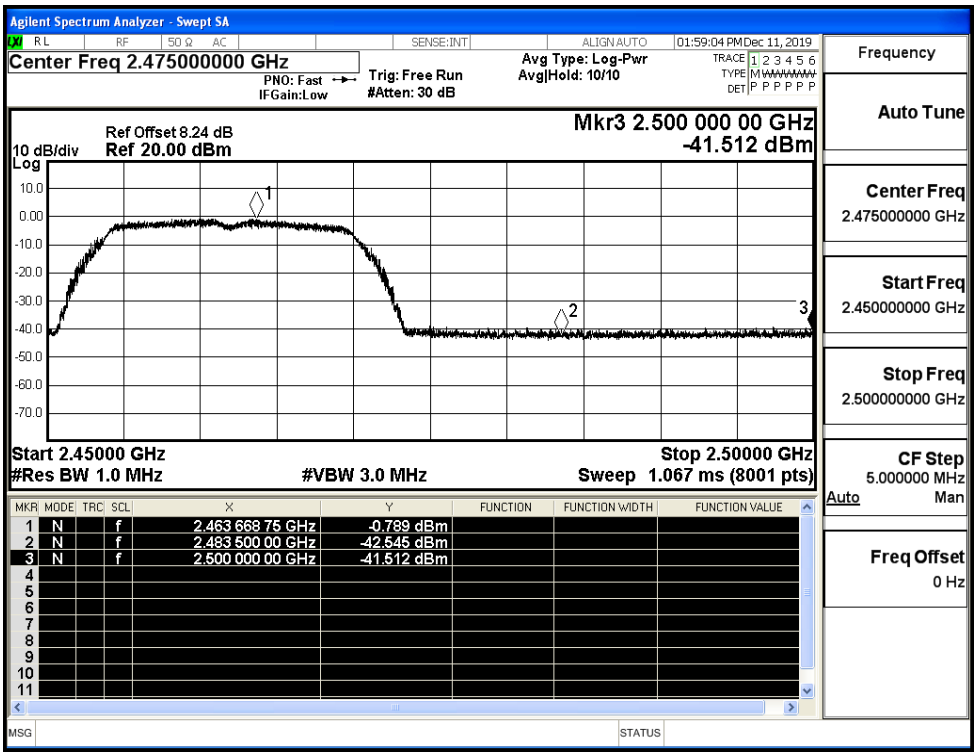


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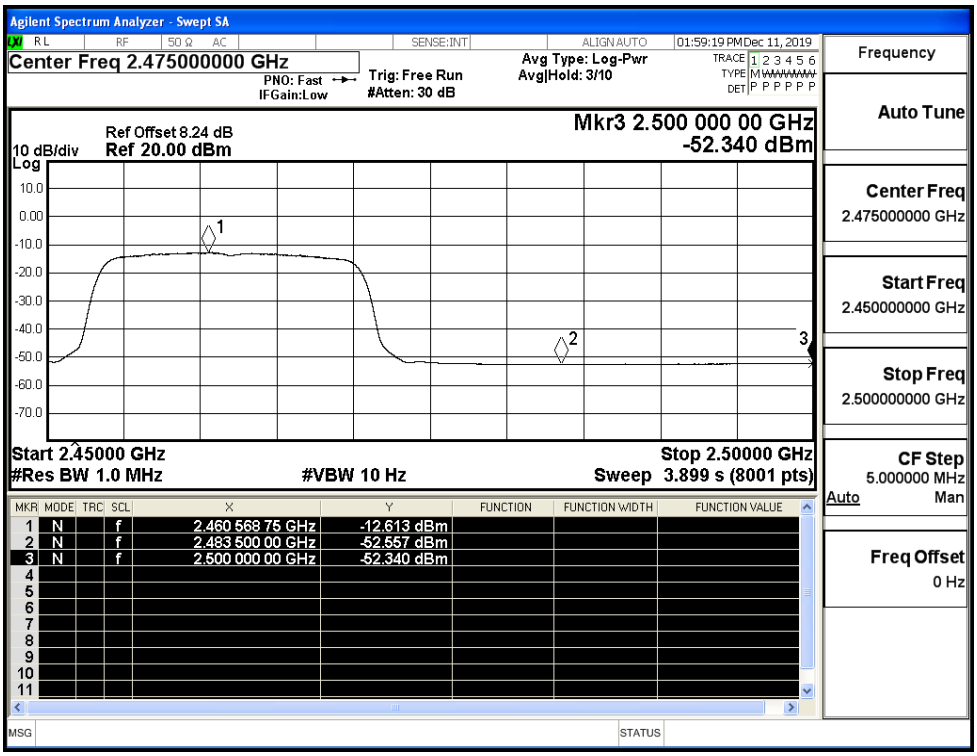

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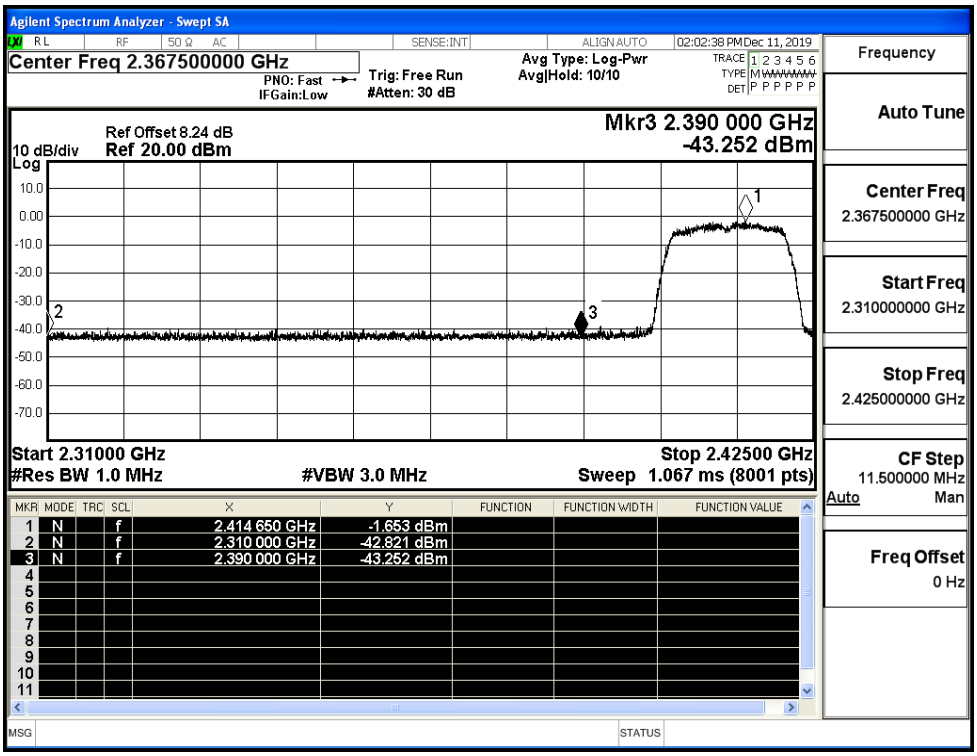


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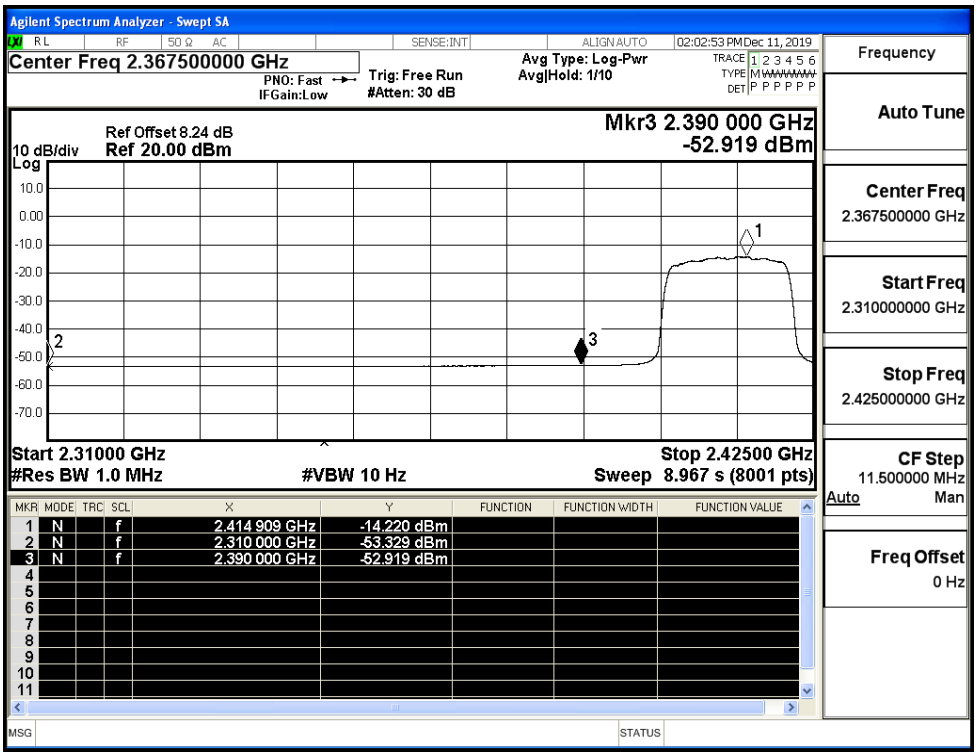
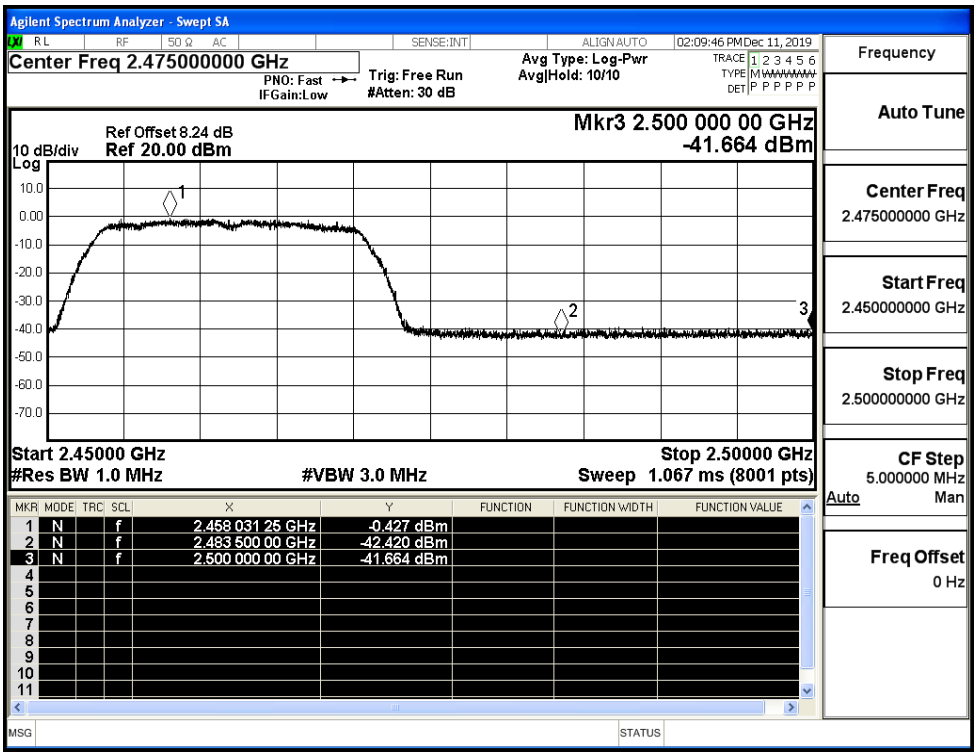
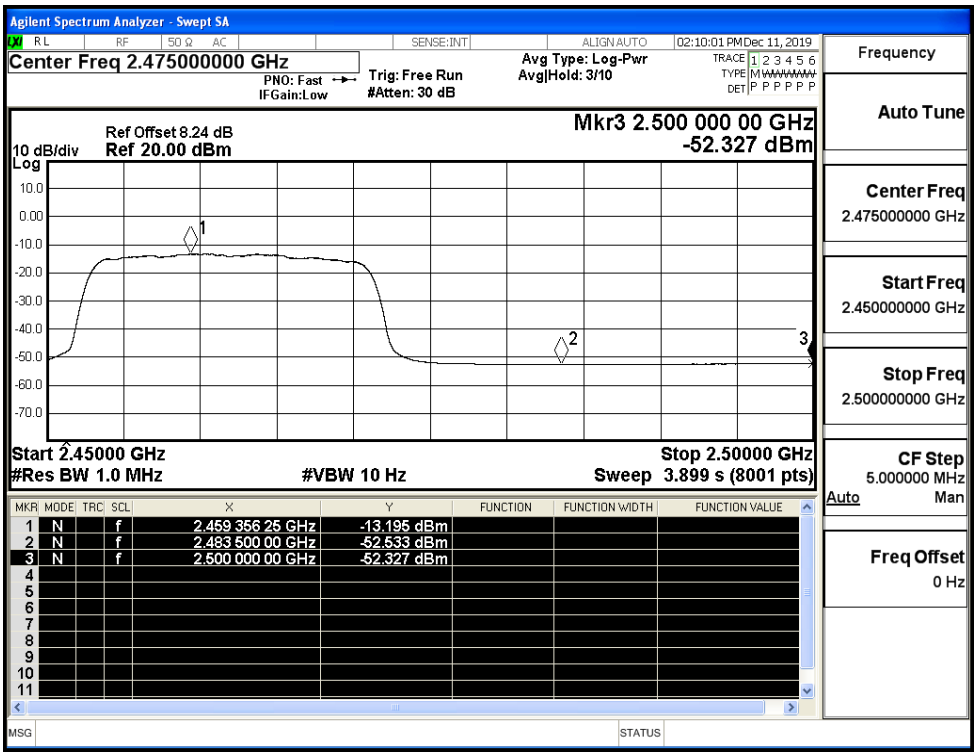


Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK




Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



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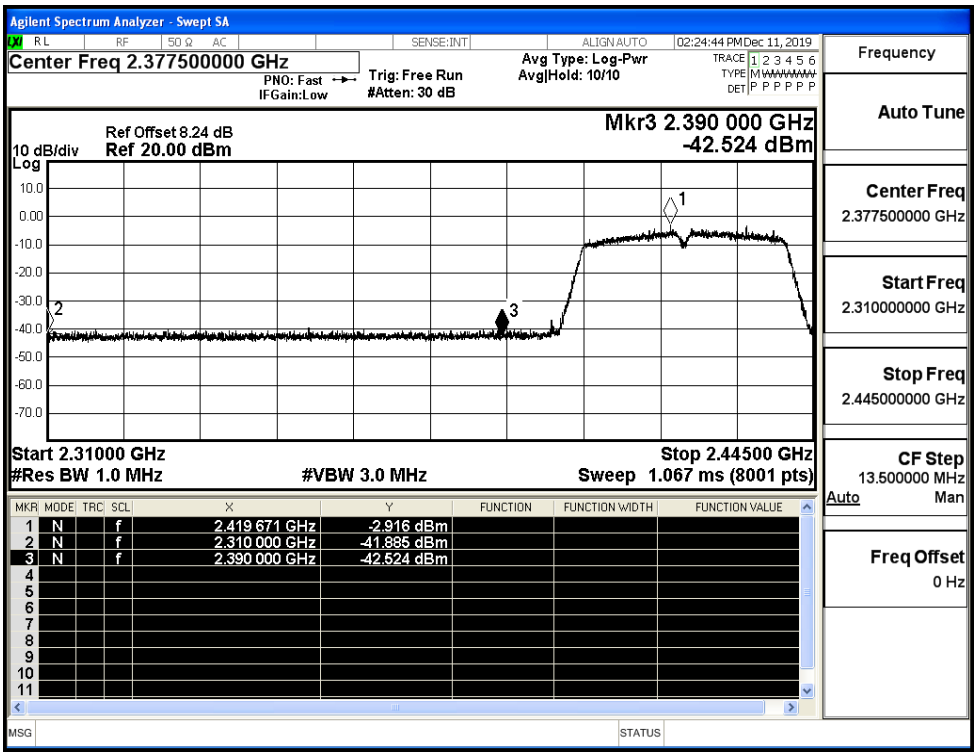


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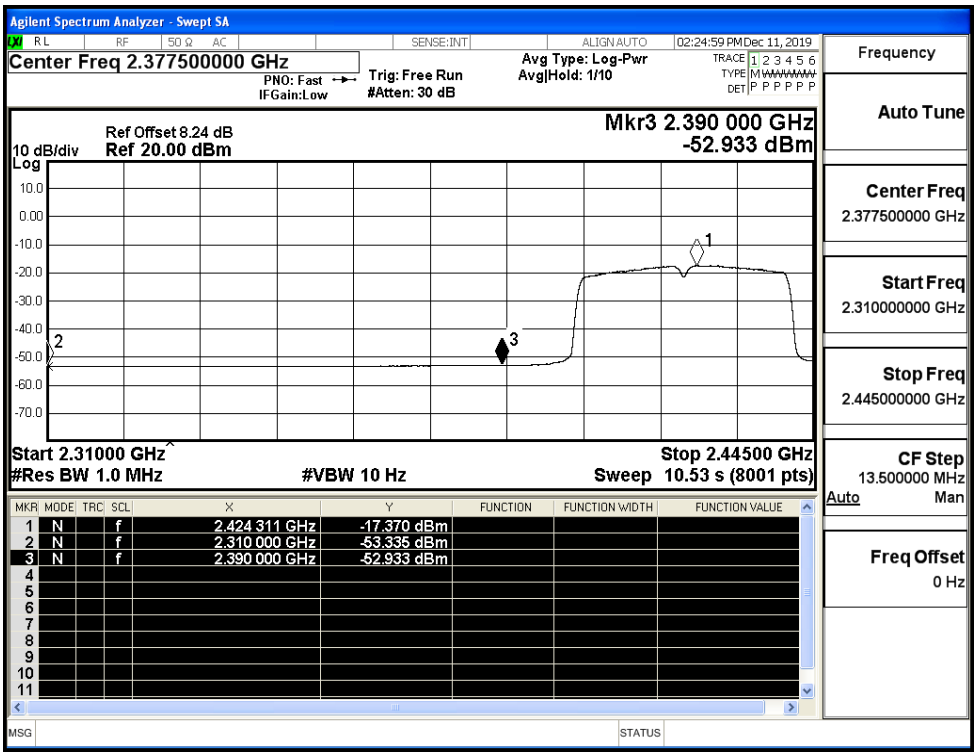

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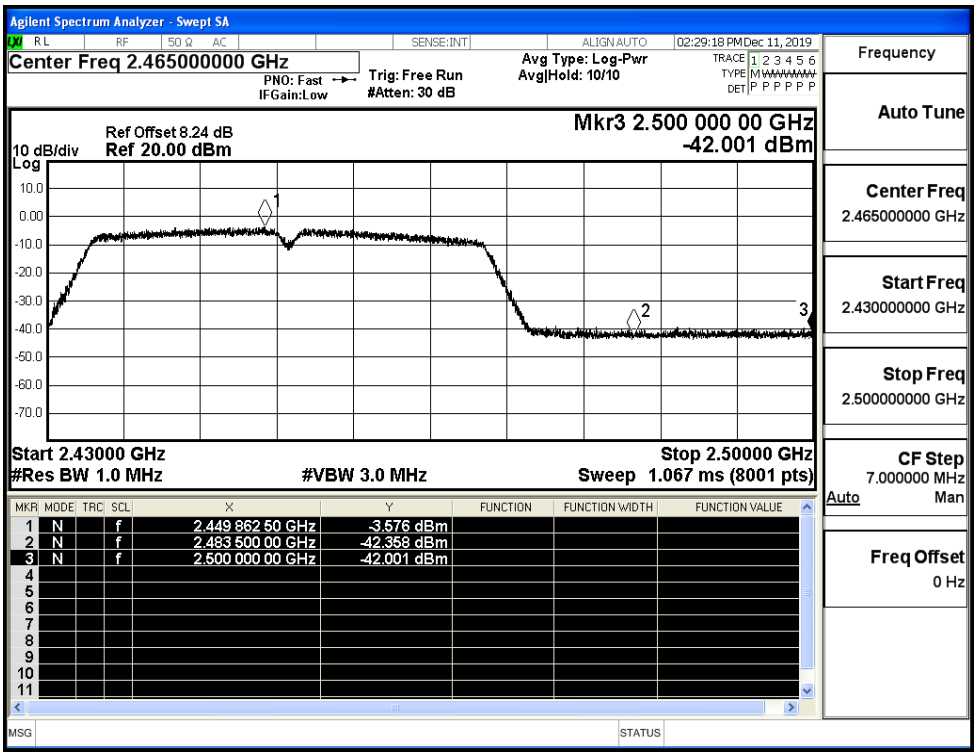

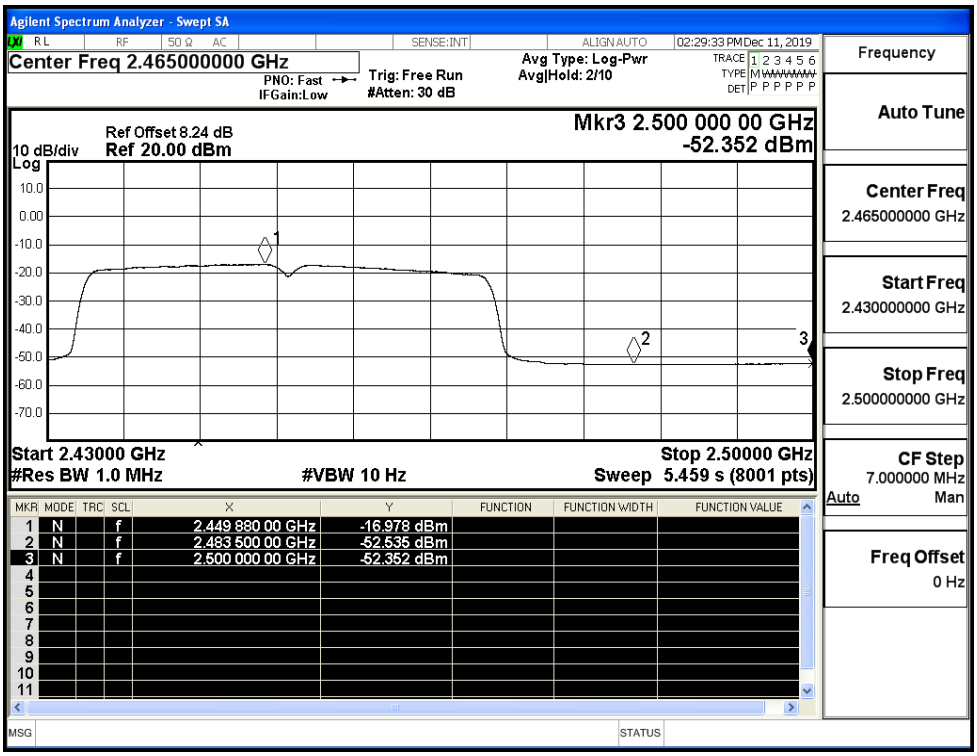
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