# Appendix B

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

**Product Name: 43 inch IR Android Touch Tablet**

**Trade Mark:** yeti TABLET

**Test Model: YT43I**

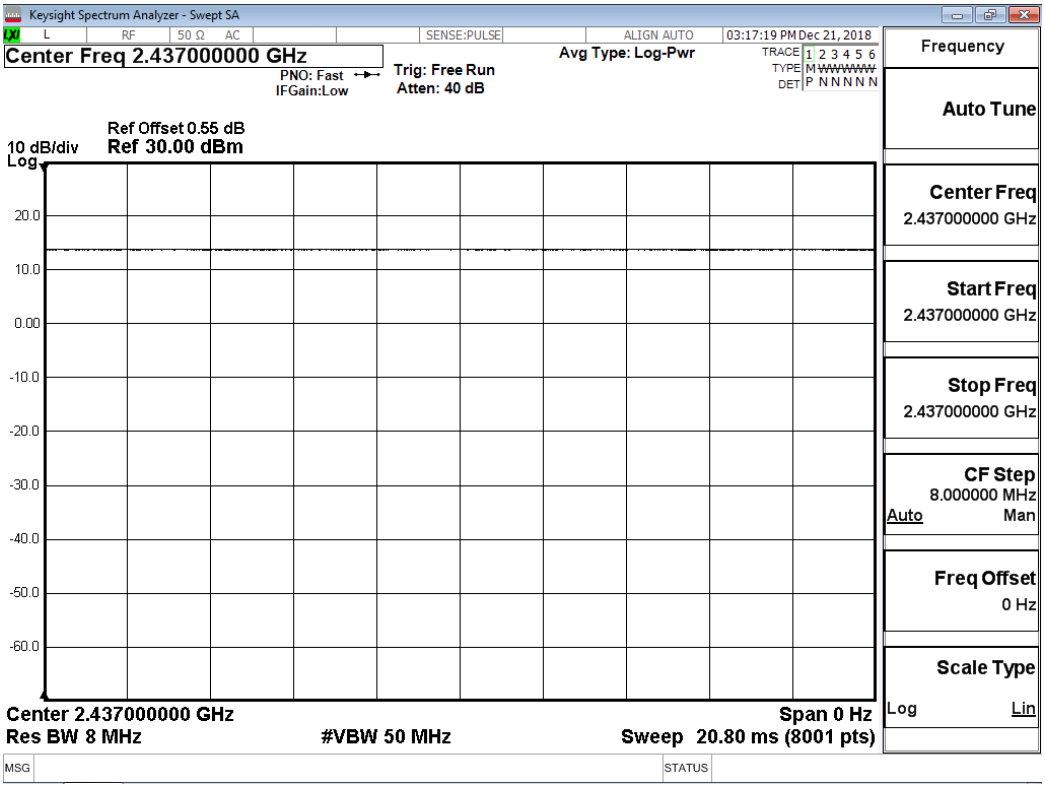
**Environmental Conditions**

| | |
|---|---|
| Temperature: | 23.6 ° C |
| Relative Humidity: | 53.6% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | AKING JIN |
| Supervised by: | JAYDEN ZHUO |

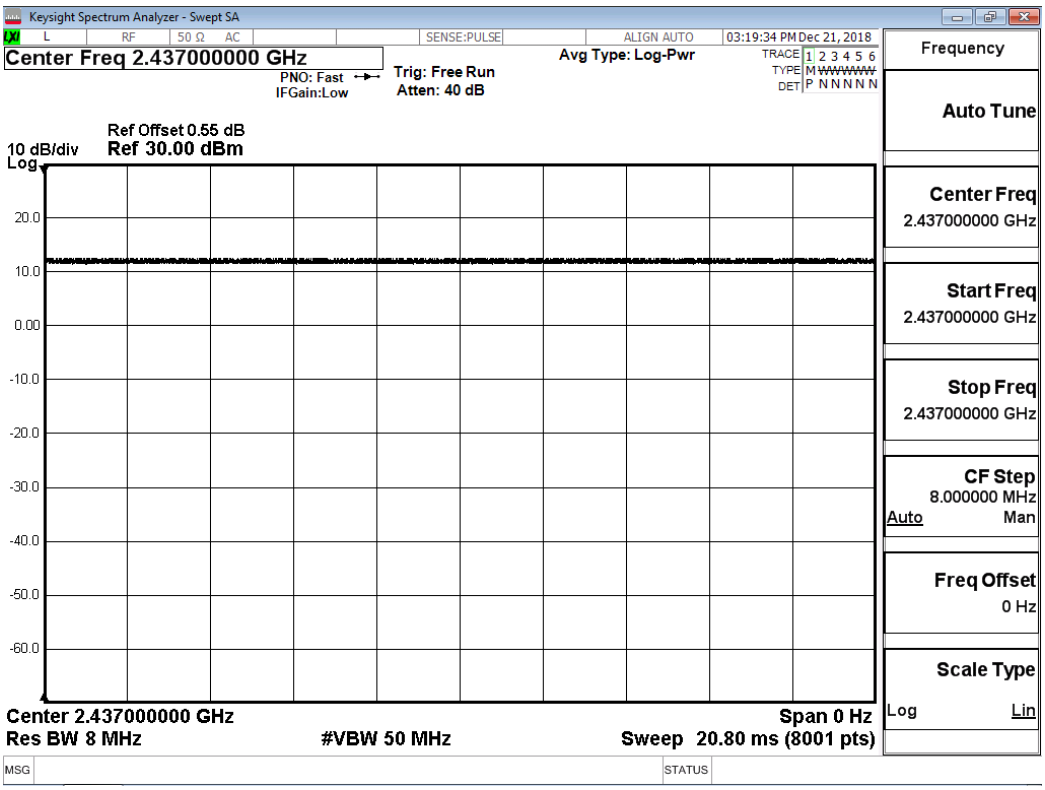
### B.1 Duty Cycle

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

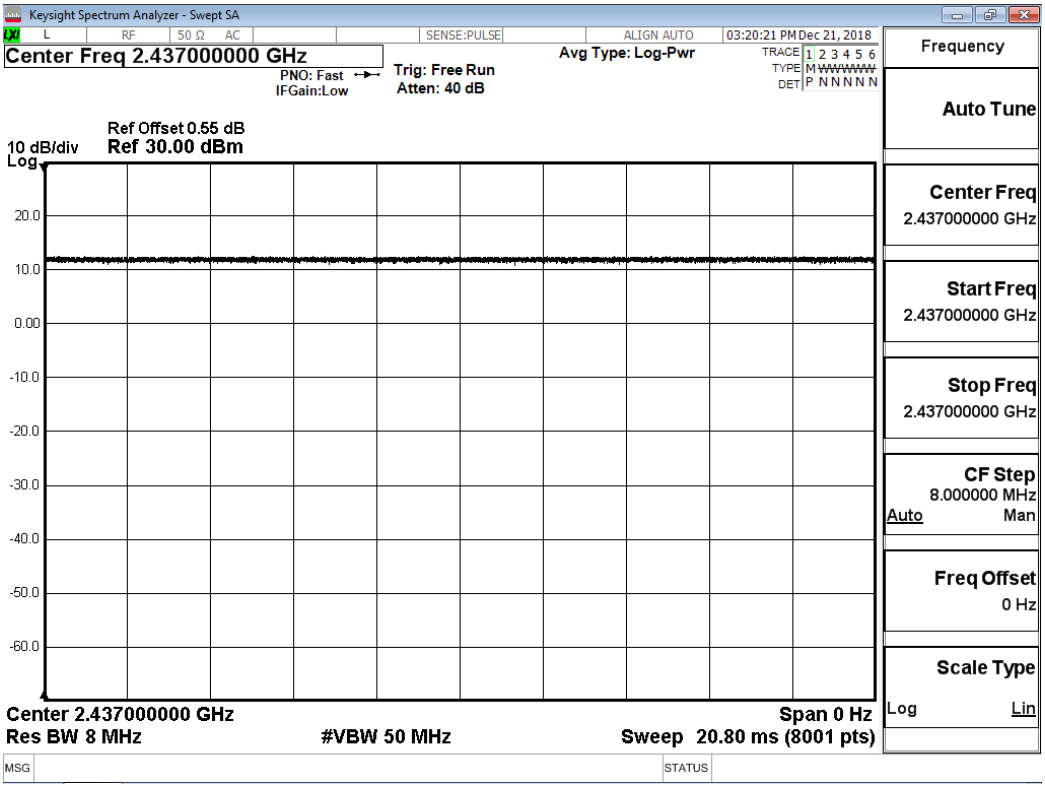
## Duty Cycle_11B_2437_Ant1




## Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1

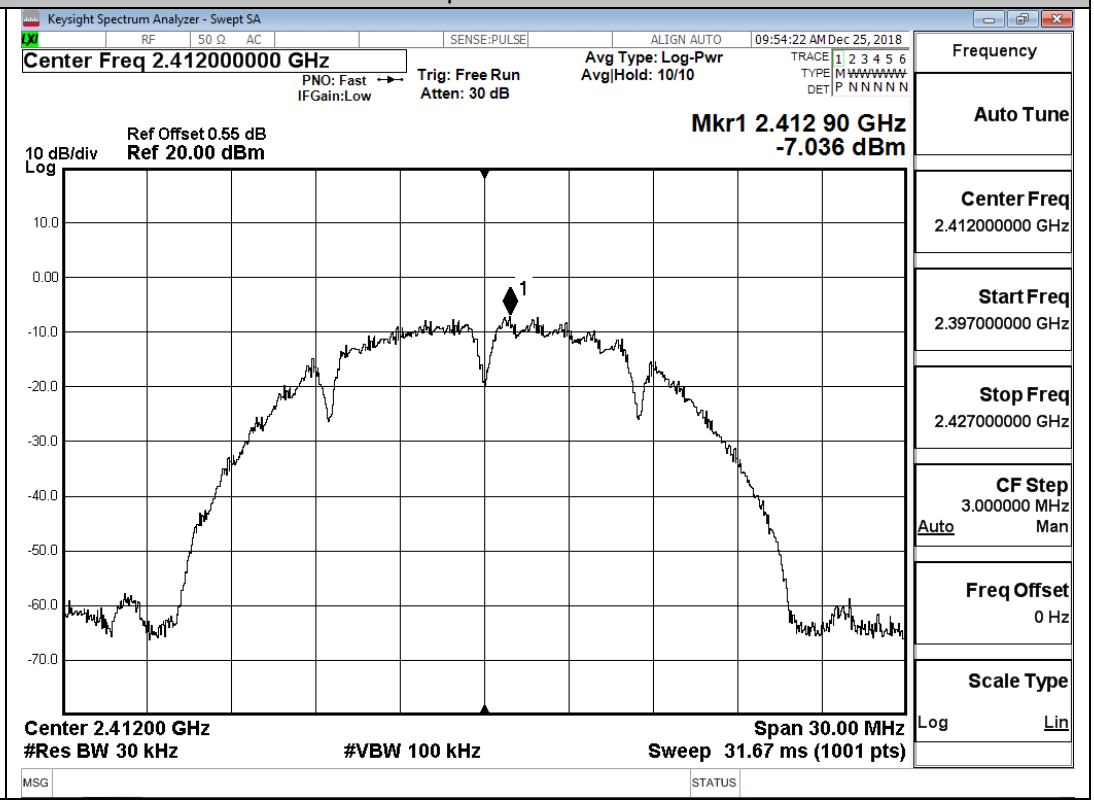


## B.2 Maximum Conducted Output Power

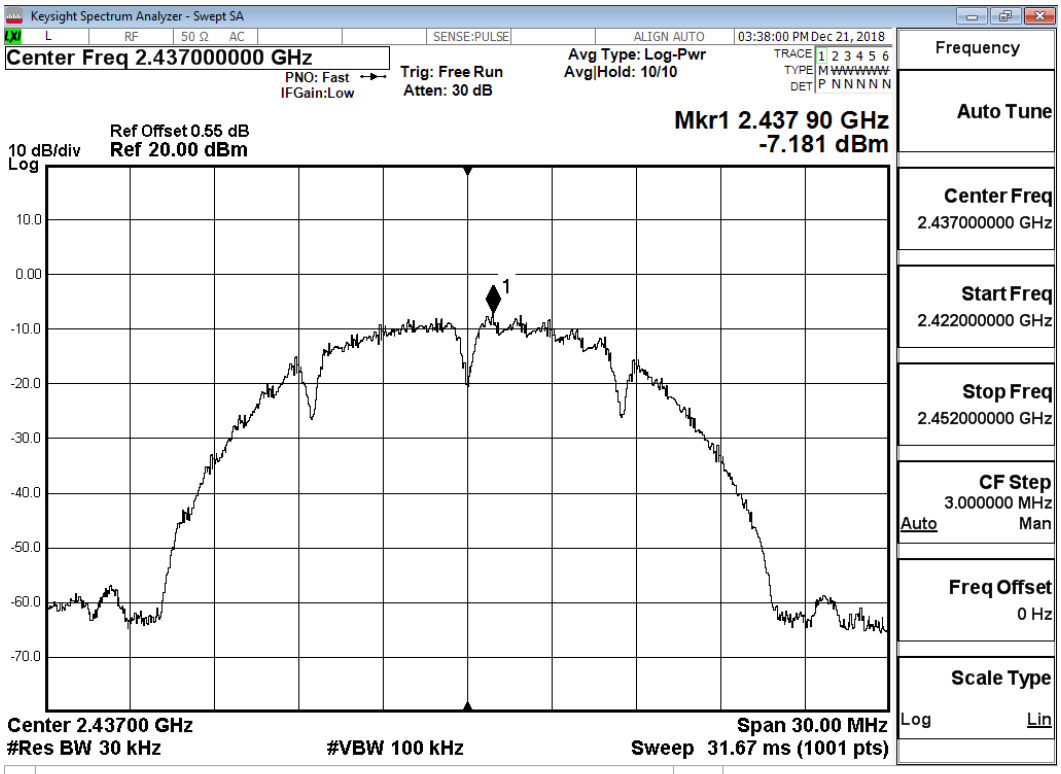
| Mode | Channel | Meas. Peak Level [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|
| 11B | LCH | 13.10 | 30 | PASS |
| | MCH | 13.51 | 30 | PASS |
| | HCH | 13.34 | 30 | PASS |
| 11G | LCH | 13.52 | 30 | PASS |
| | MCH | 13.72 | 30 | PASS |
| | HCH | 14.47 | 30 | PASS |
| 11N20SISO | LCH | 13.28 | 30 | PASS |
| | MCH | 14.41 | 30 | PASS |
| | HCH | 13.61 | 30 | PASS |

## B.3 Maximum Power Spectral Density

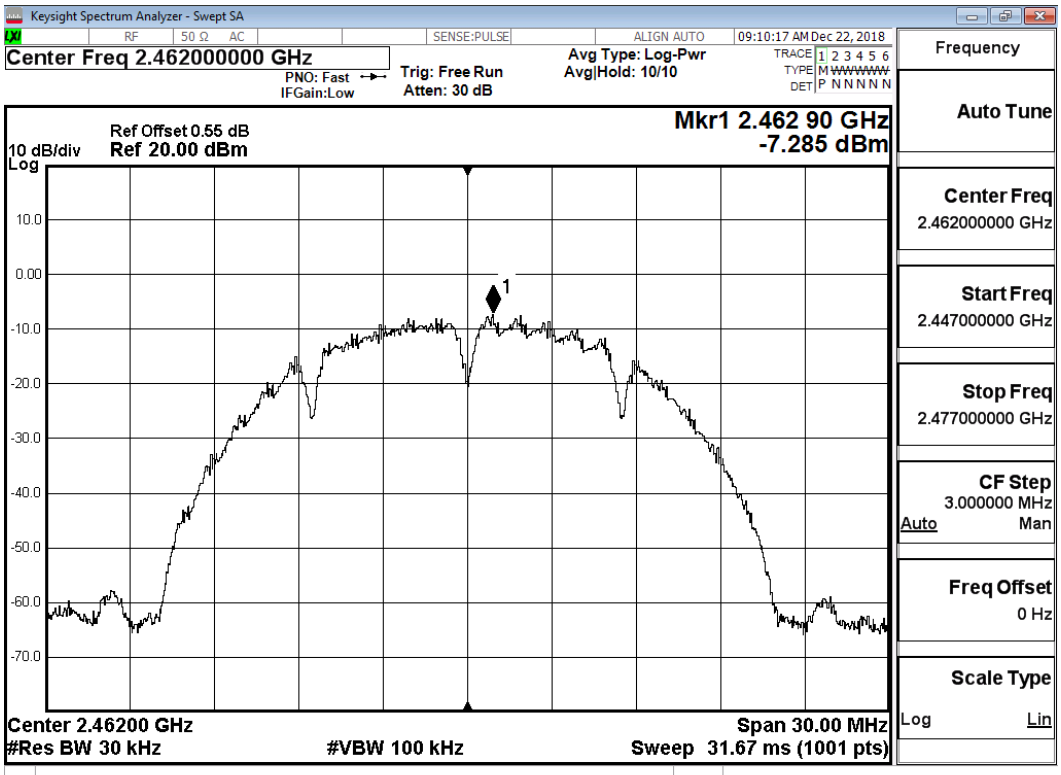
| Mode | Channel | Meas.Level [dBm/30KHz] | Limit [dBm/3KHz] | Verdict |
|---|---|---|---|---|
| 11B | LCH | -7.036 | 8 | PASS |
| | MCH | -7.181 | 8 | PASS |
| | HCH | -7.285 | 8 | PASS |
| 11G | LCH | -11.073 | 8 | PASS |
| | MCH | -10.934 | 8 | PASS |
| | HCH | -11.030 | 8 | PASS |
| 11N20SISO | LCH | -10.699 | 8 | PASS |
| | MCH | -10.559 | 8 | PASS |
| | HCH | -10.438 | 8 | PASS |

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

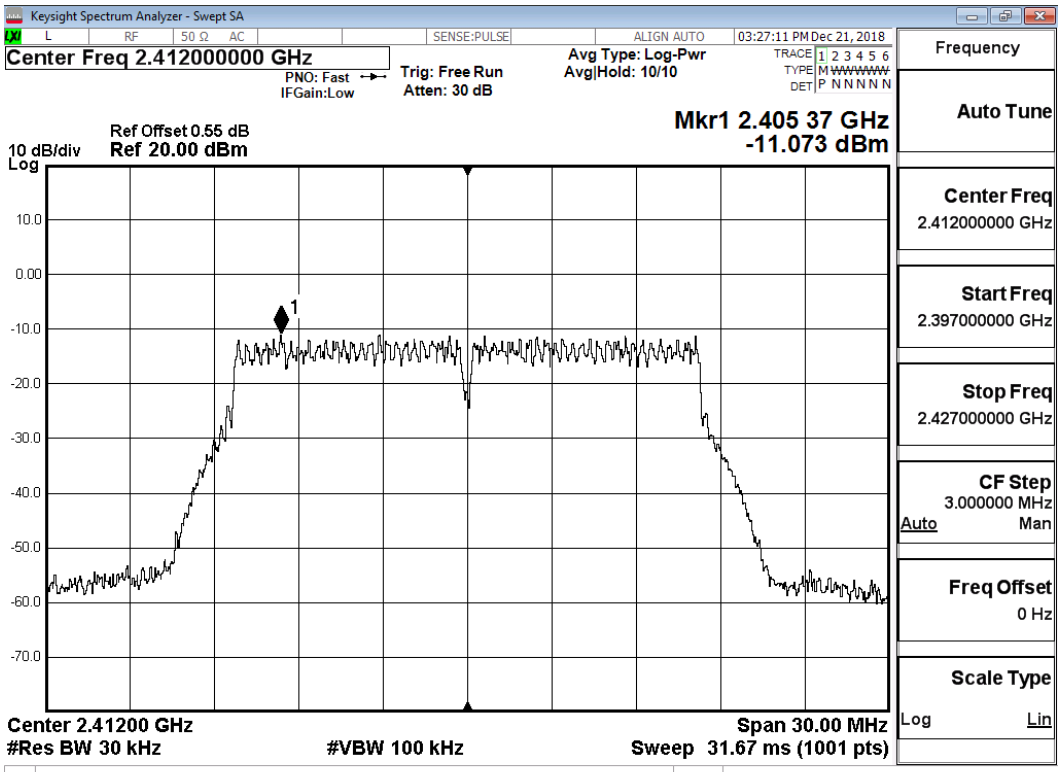
11B/MCH



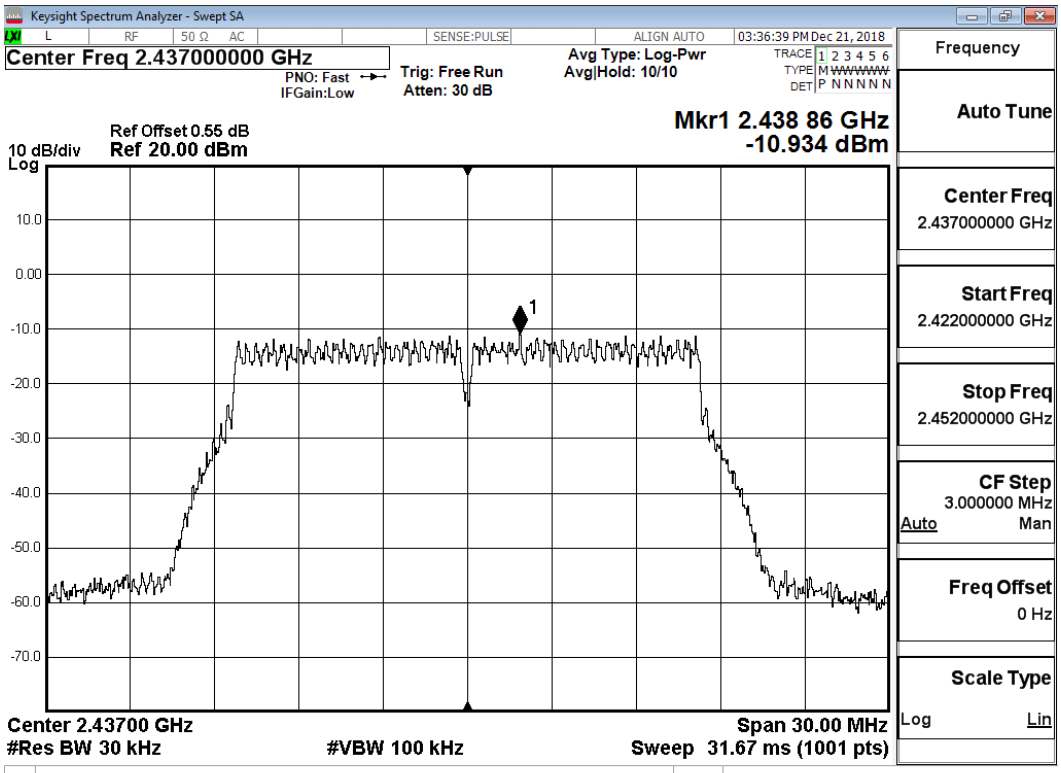

11B/HCH



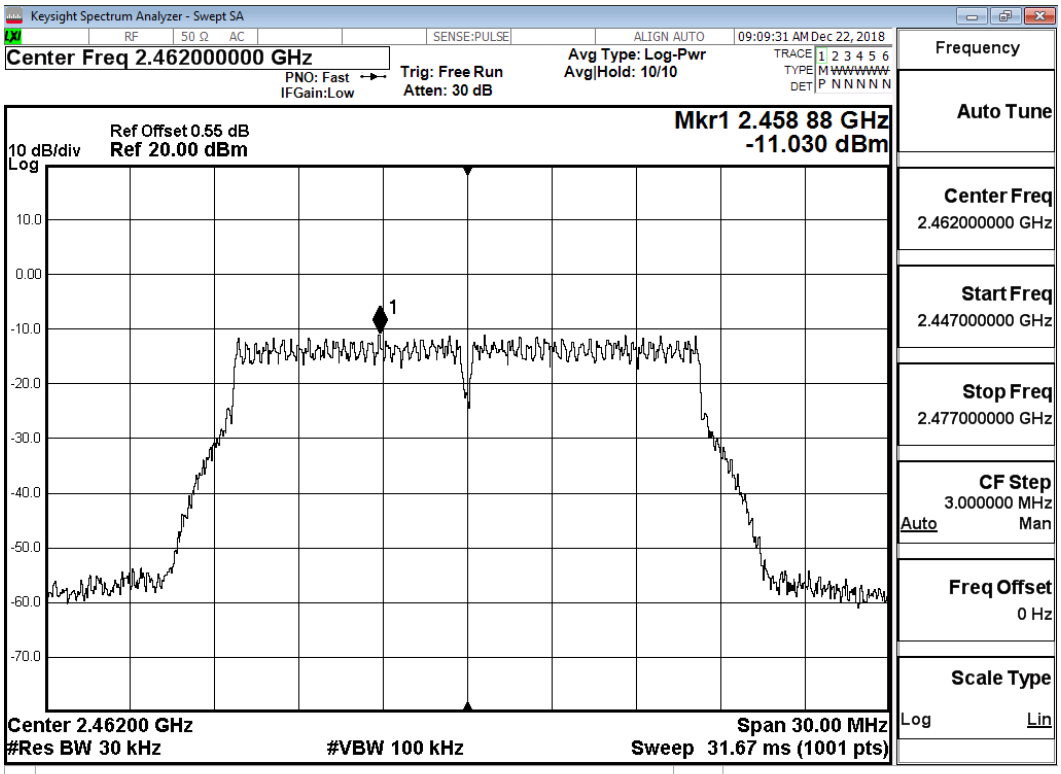
11G/LCH



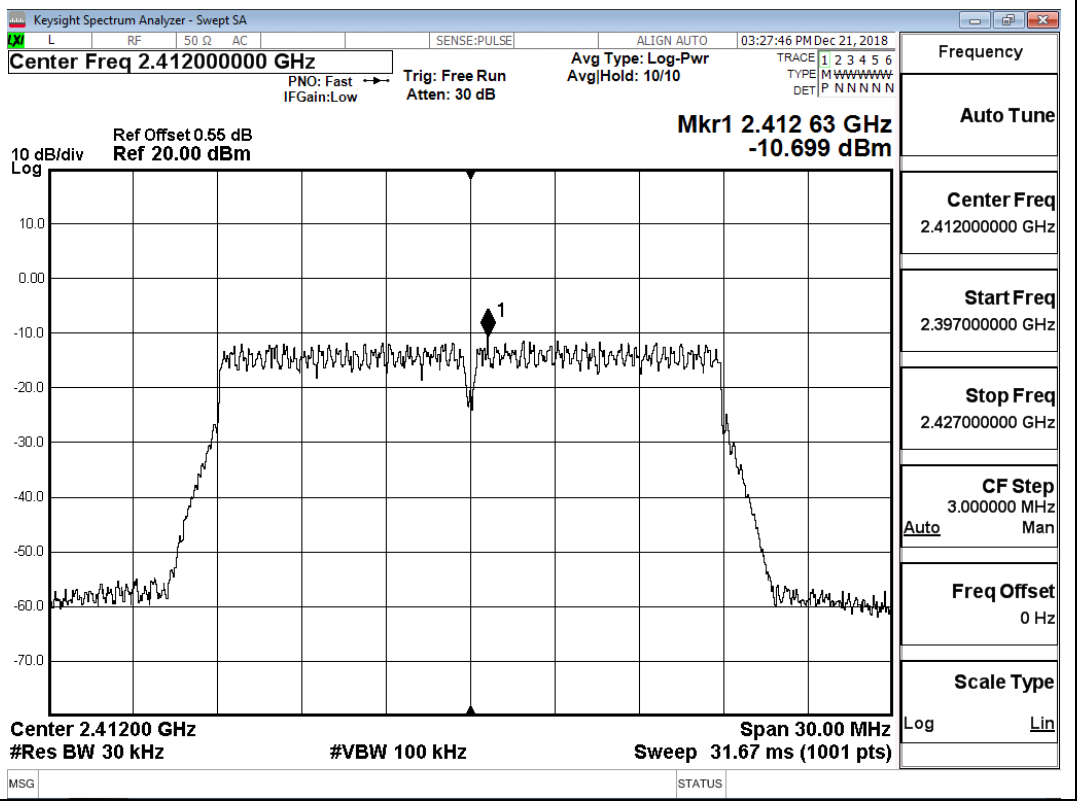

11G/MCH



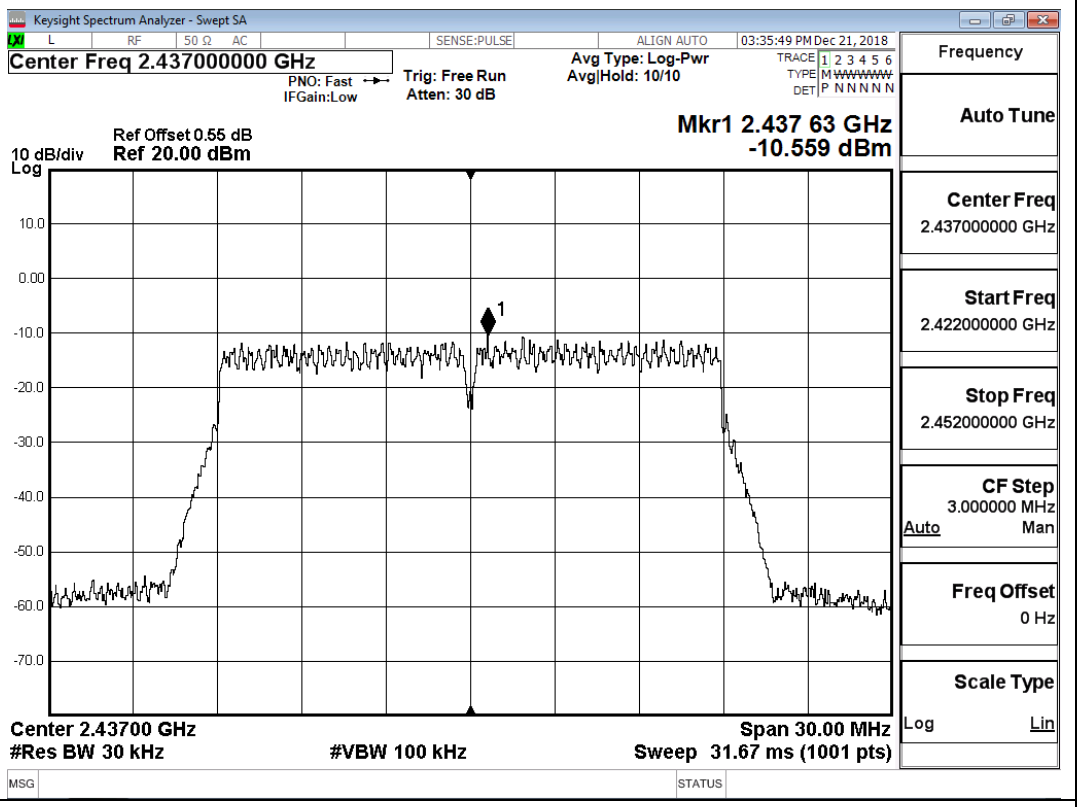
11G/HCH



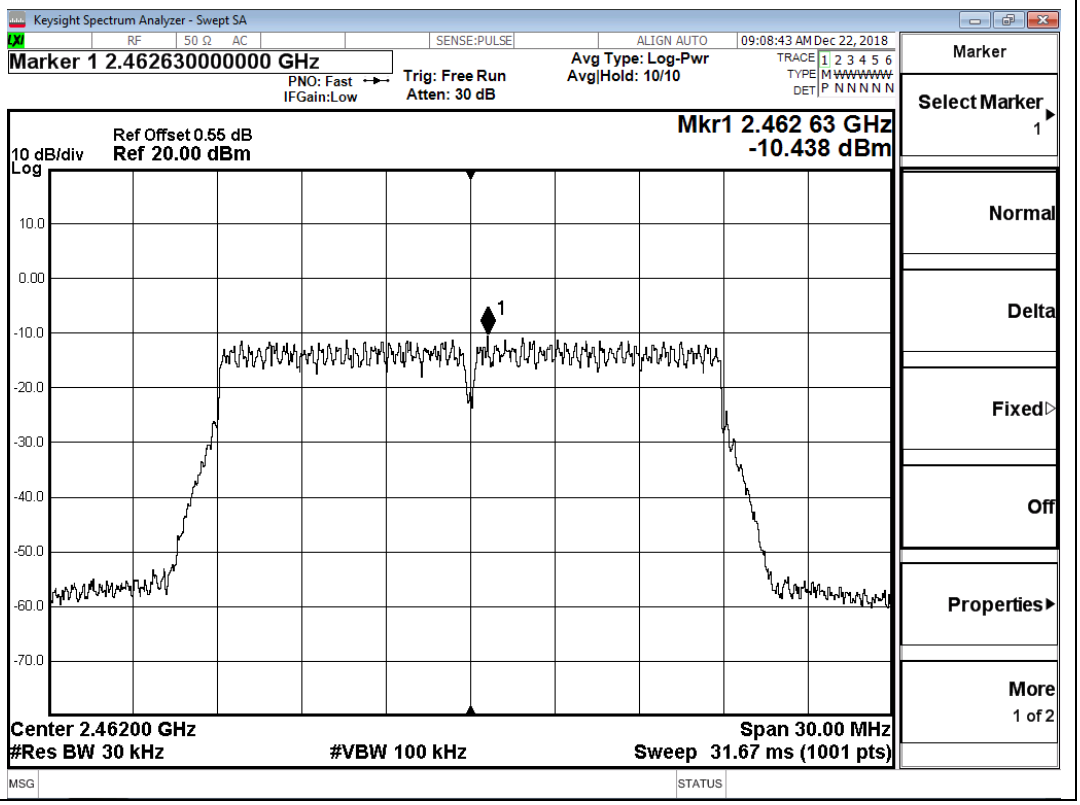

11N20SISO/LCH



11N20SISO/MCH

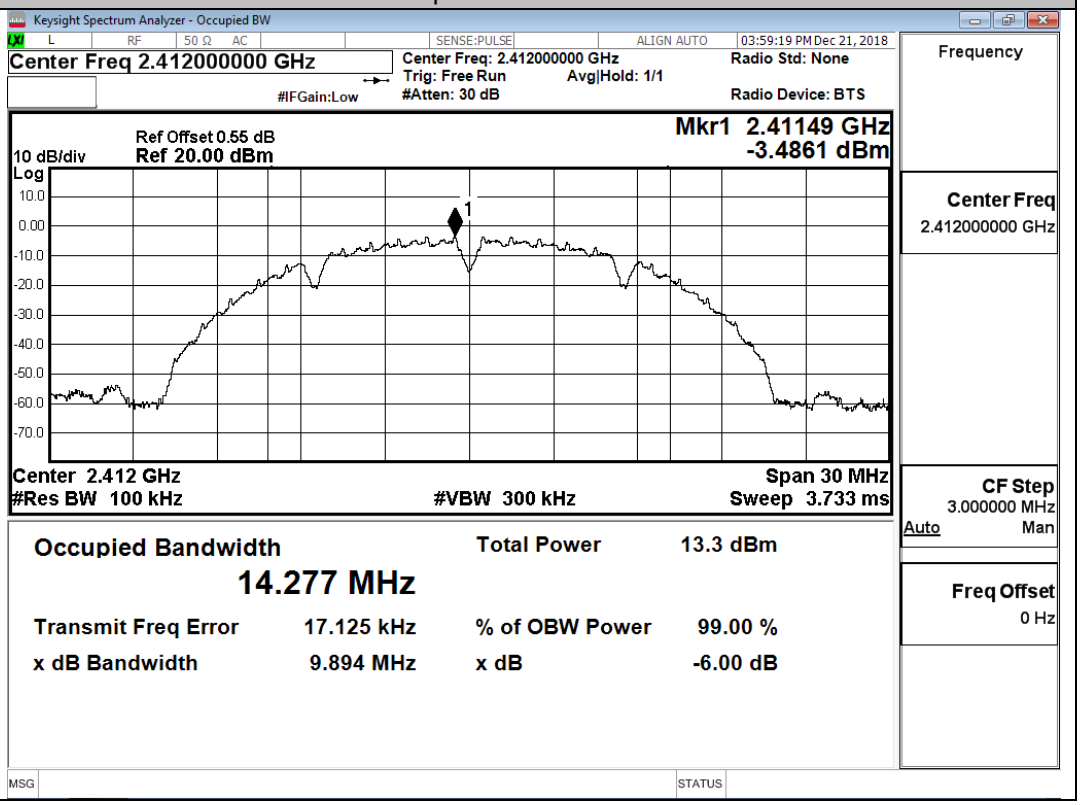



11N20SISO/HCH

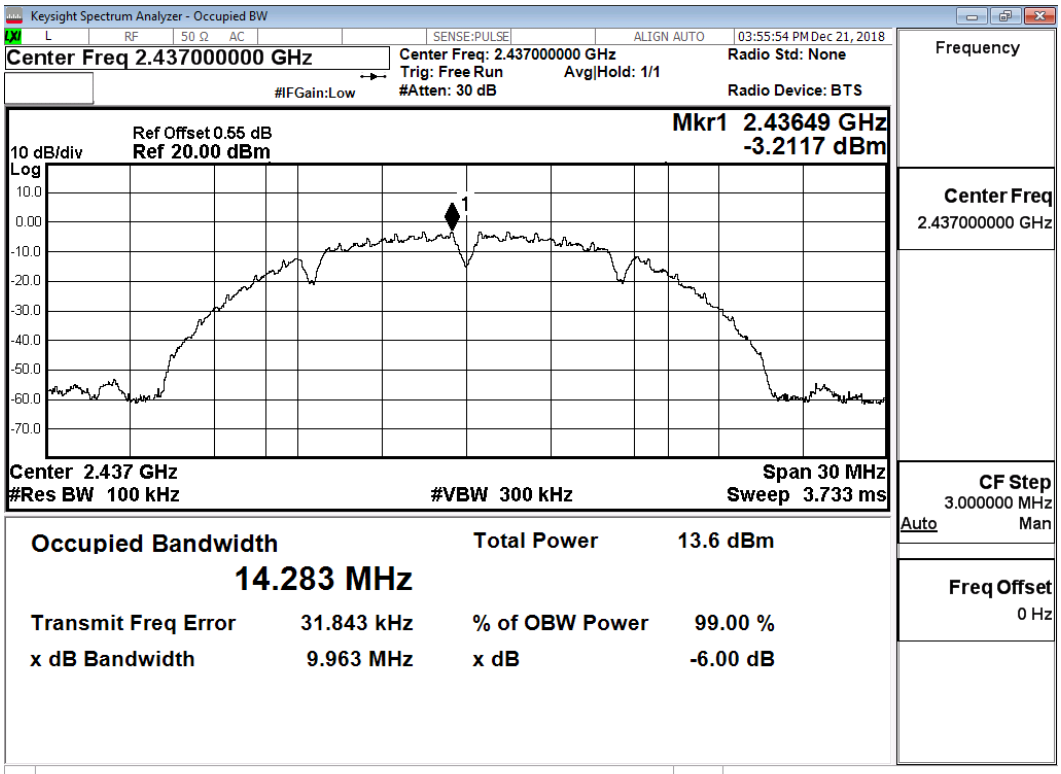


## B.4 6dB Bandwidth

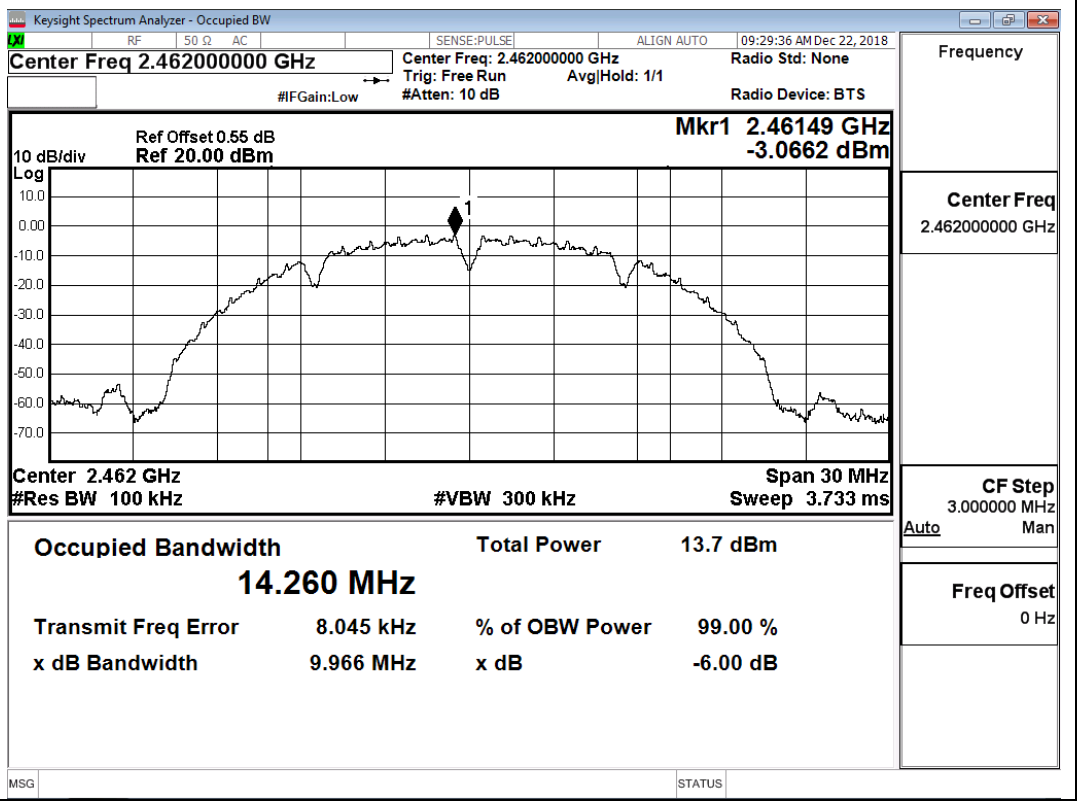
| Mode | Channel | 6dB Bandwidth [MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|
| 11B | LCH | 9.89 | ≥0.5 | PASS |
| | MCH | 9.96 | ≥0.5 | PASS |
| | HCH | 9.97 | ≥0.5 | PASS |
| 11G | LCH | 16.58 | ≥0.5 | PASS |
| | MCH | 16.59 | ≥0.5 | PASS |
| | HCH | 16.58 | ≥0.5 | PASS |
| 11N20SISO | LCH | 17.81 | ≥0.5 | PASS |
| | MCH | 17.79 | ≥0.5 | PASS |
| | HCH | 17.79 | ≥0.5 | PASS |

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

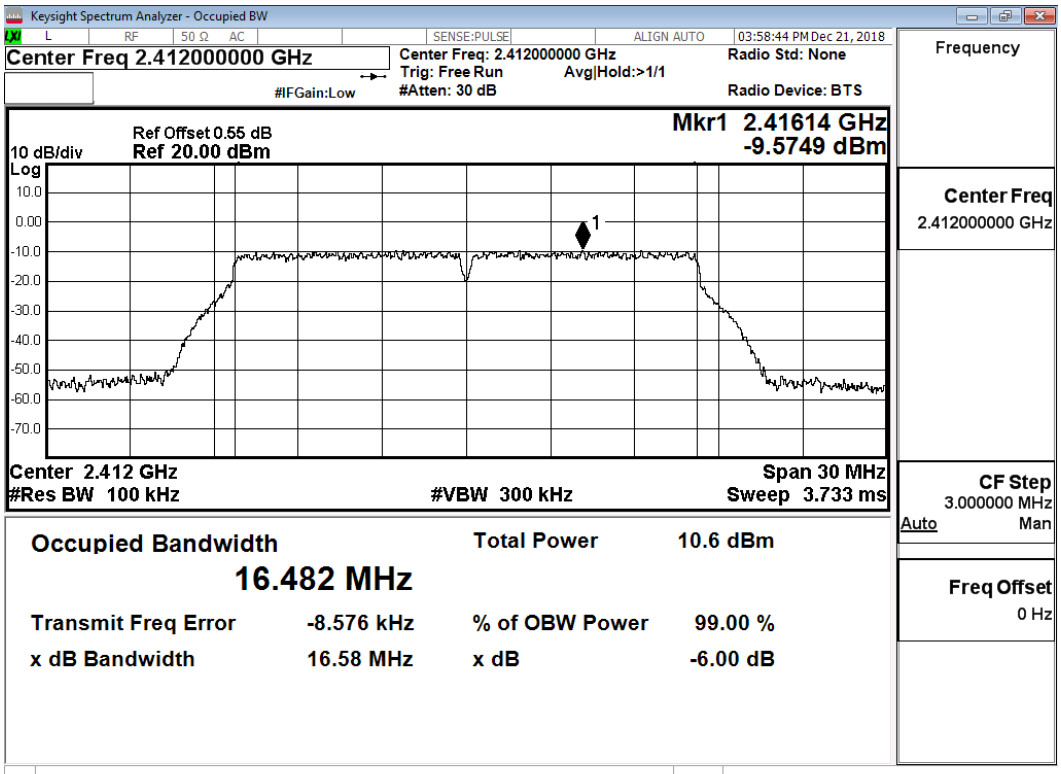
11B/MCH



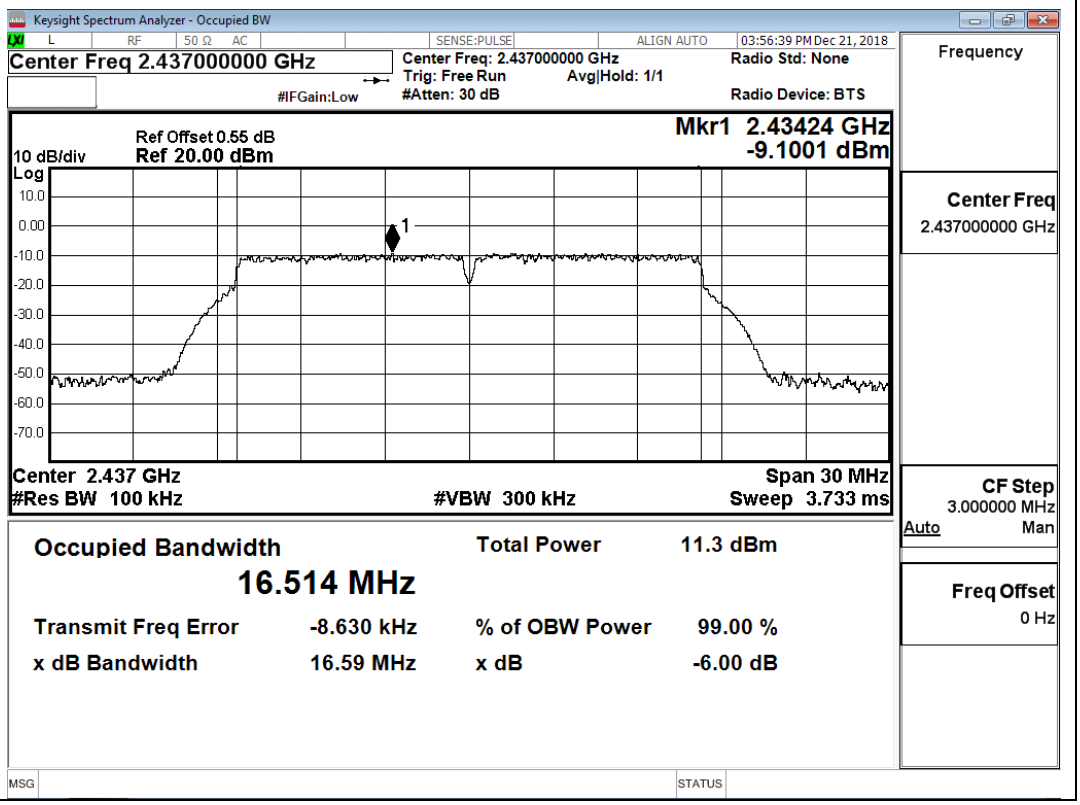

11B/HCH



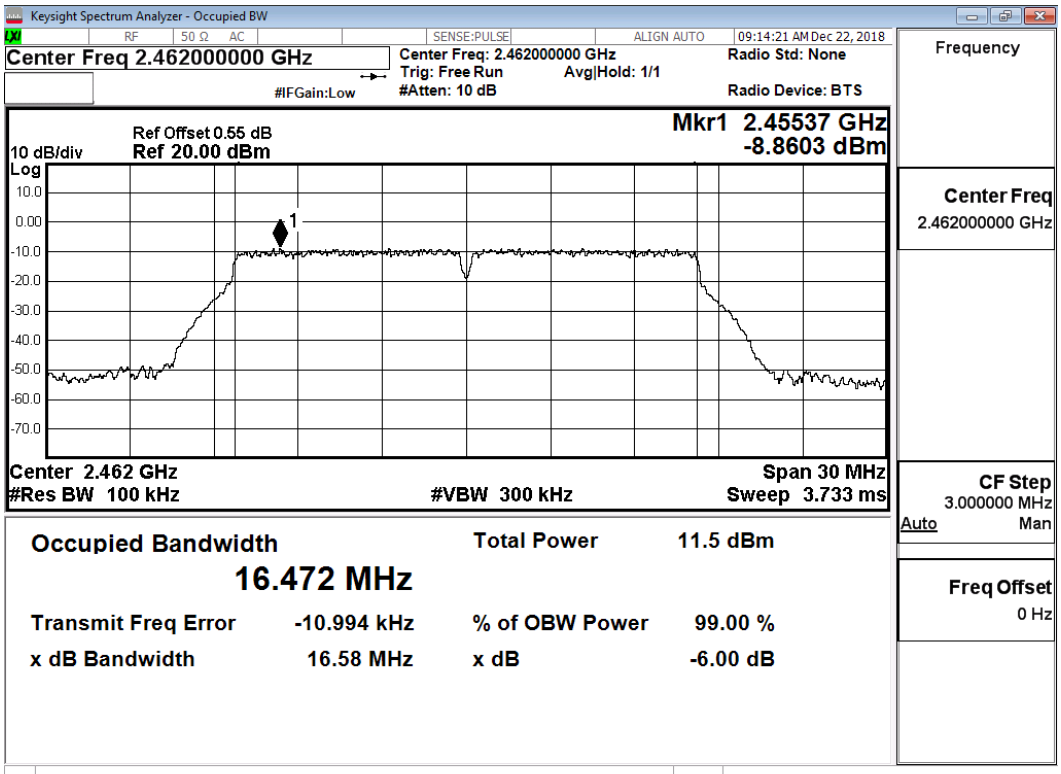
11G/LCH



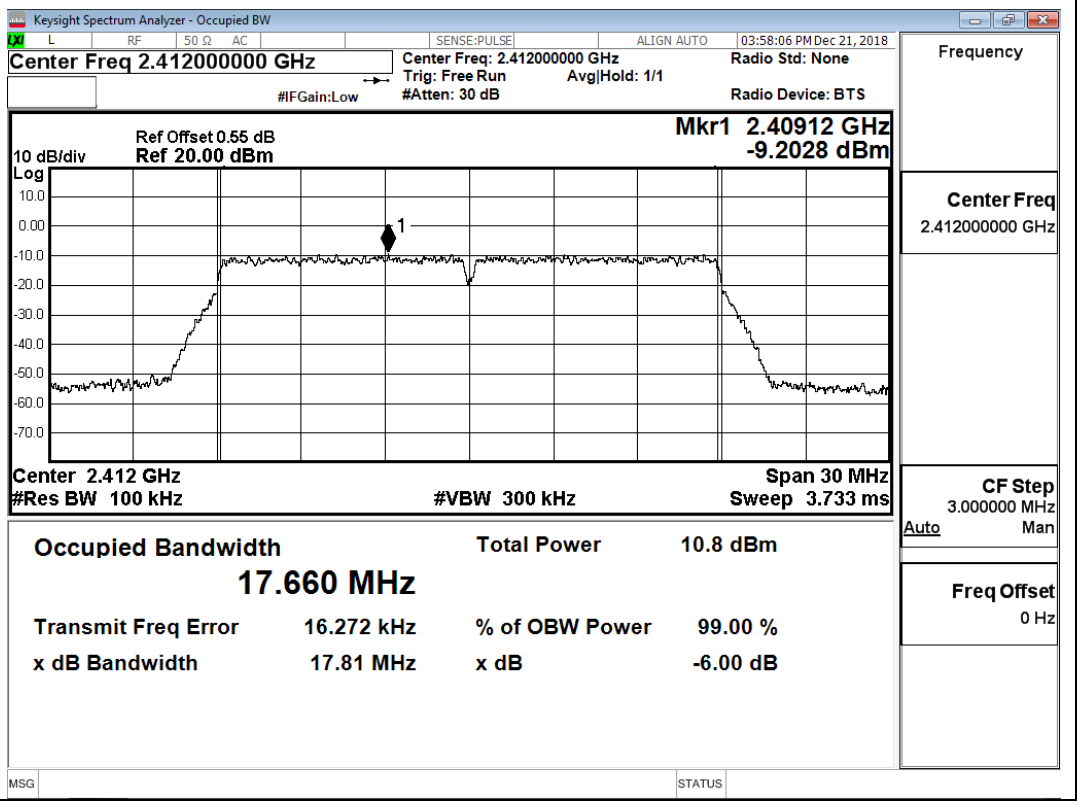

11G/MCH



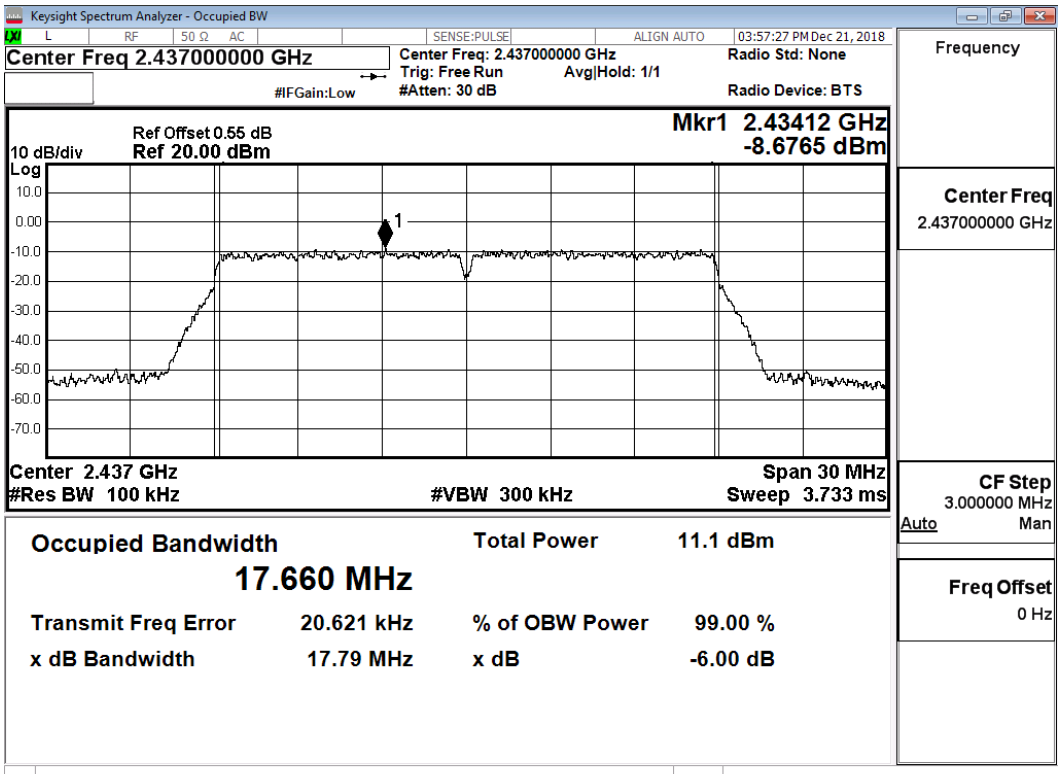
11G/HCH



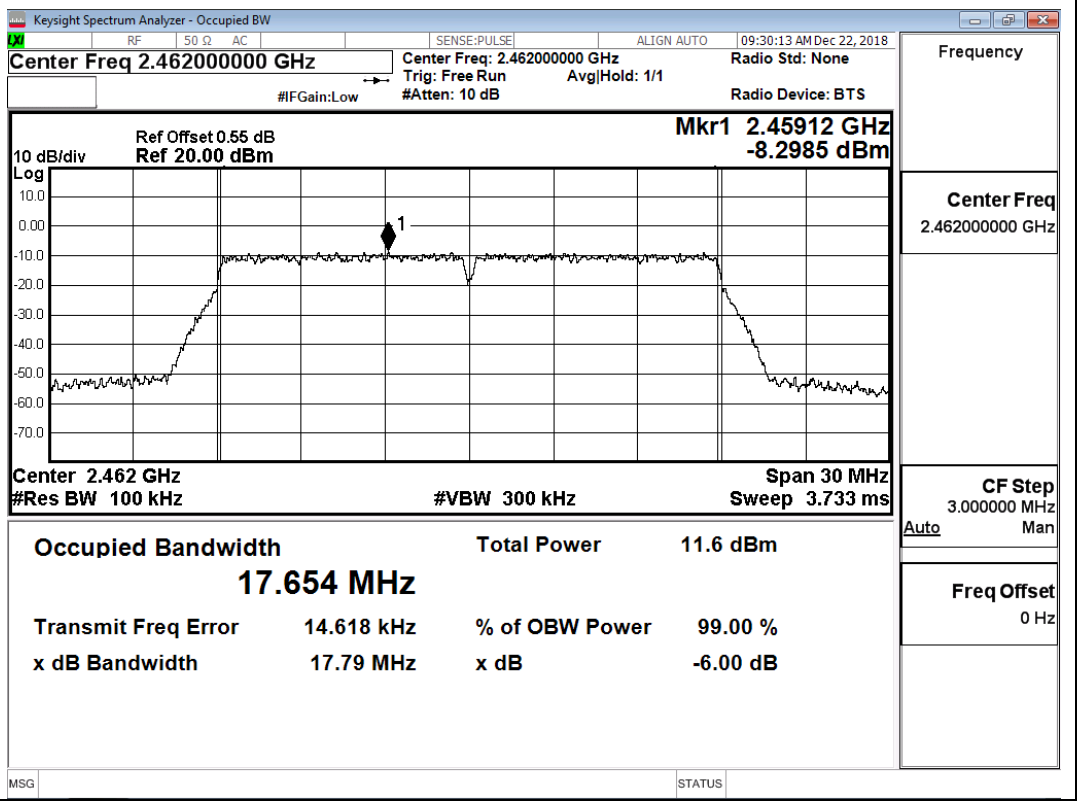

11N20SISO/LCH



11N20SISO/MCH

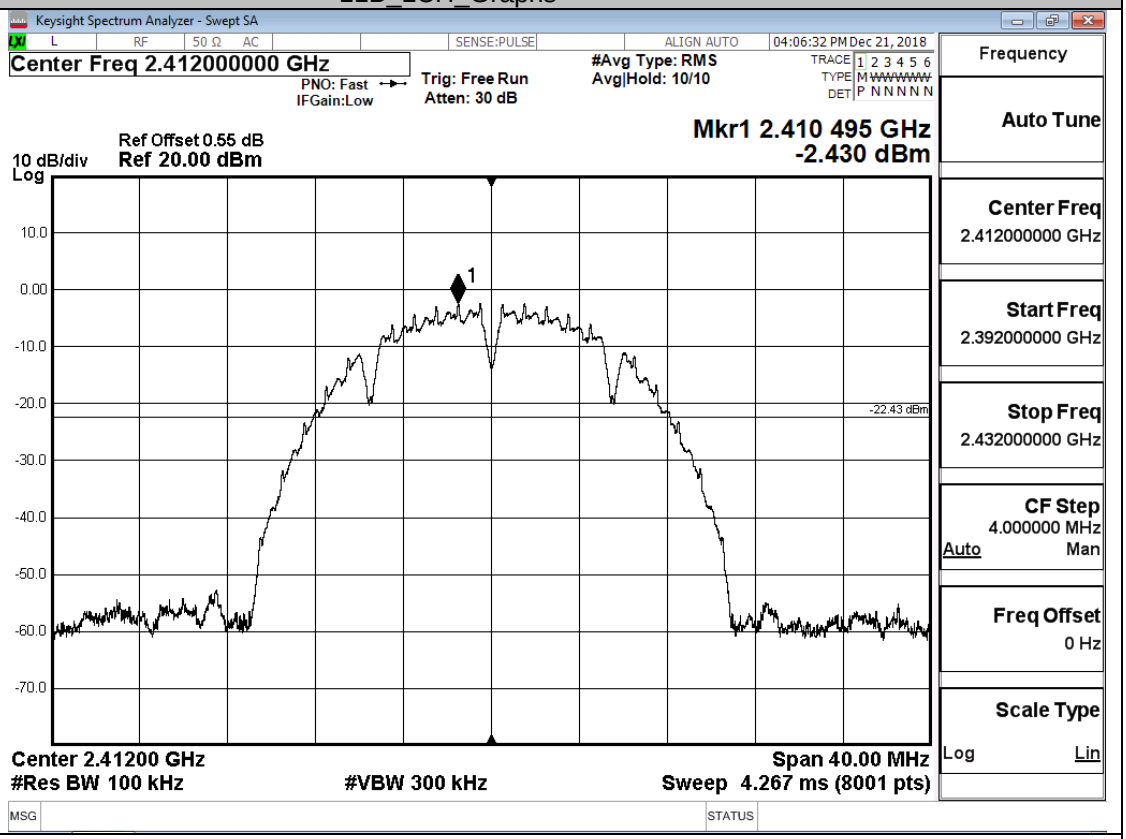
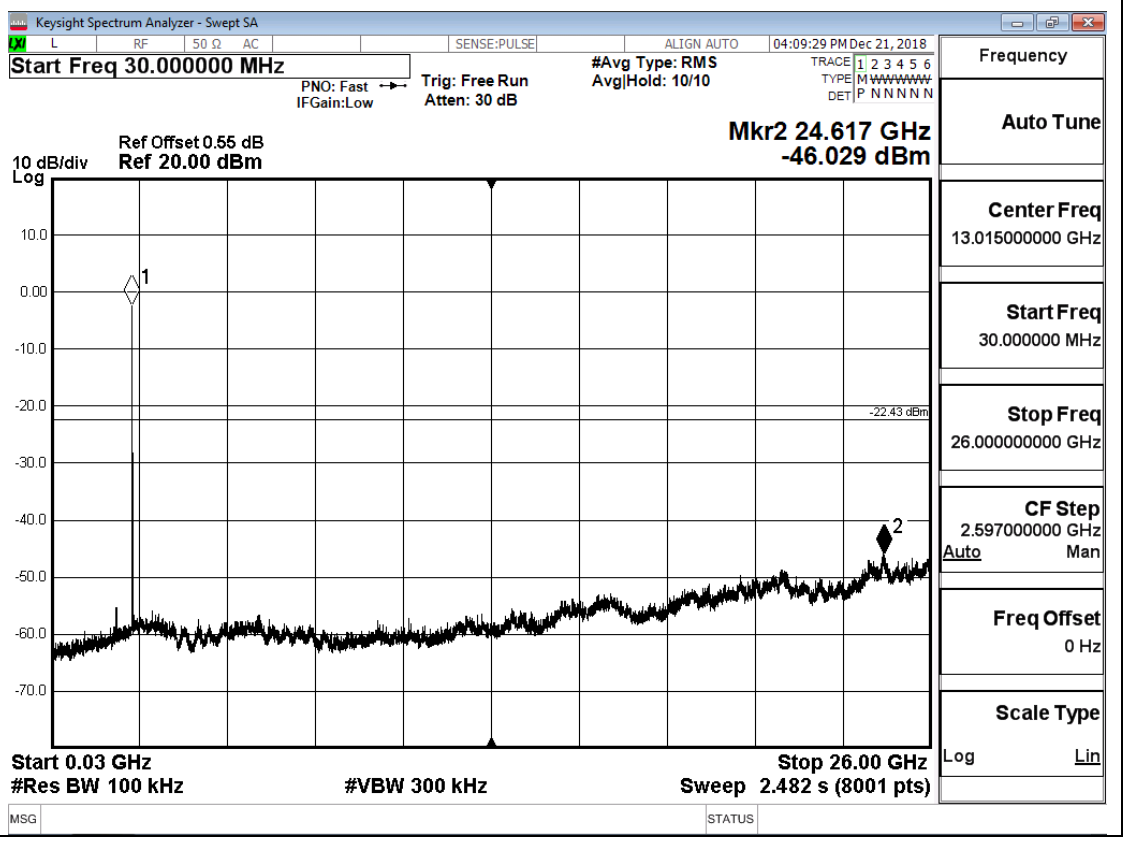


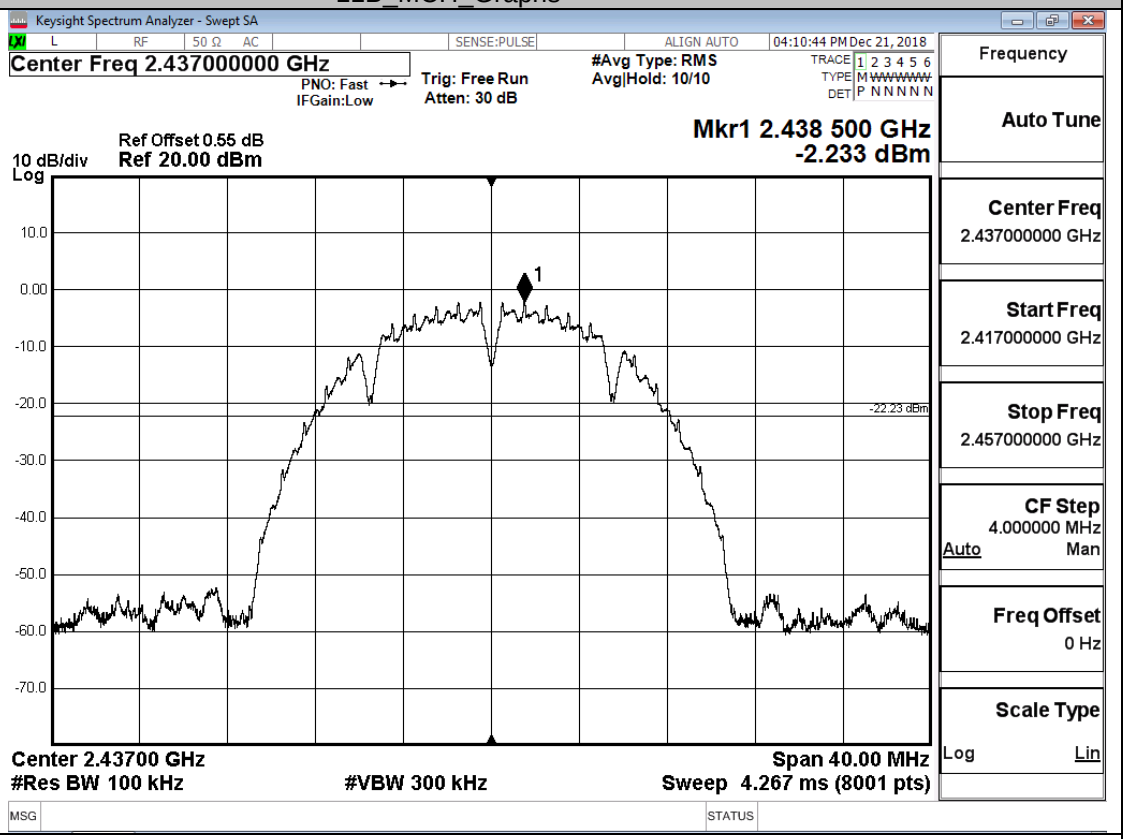
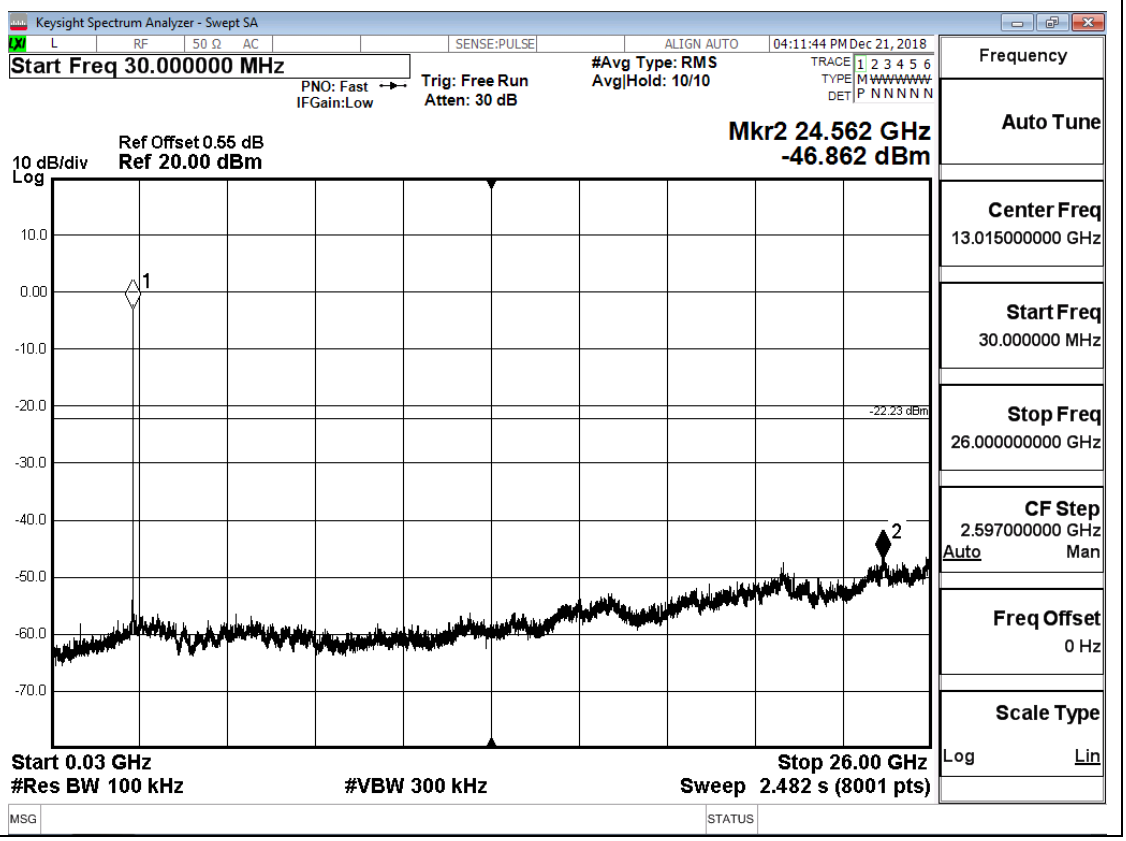

11N20SISO/HCH

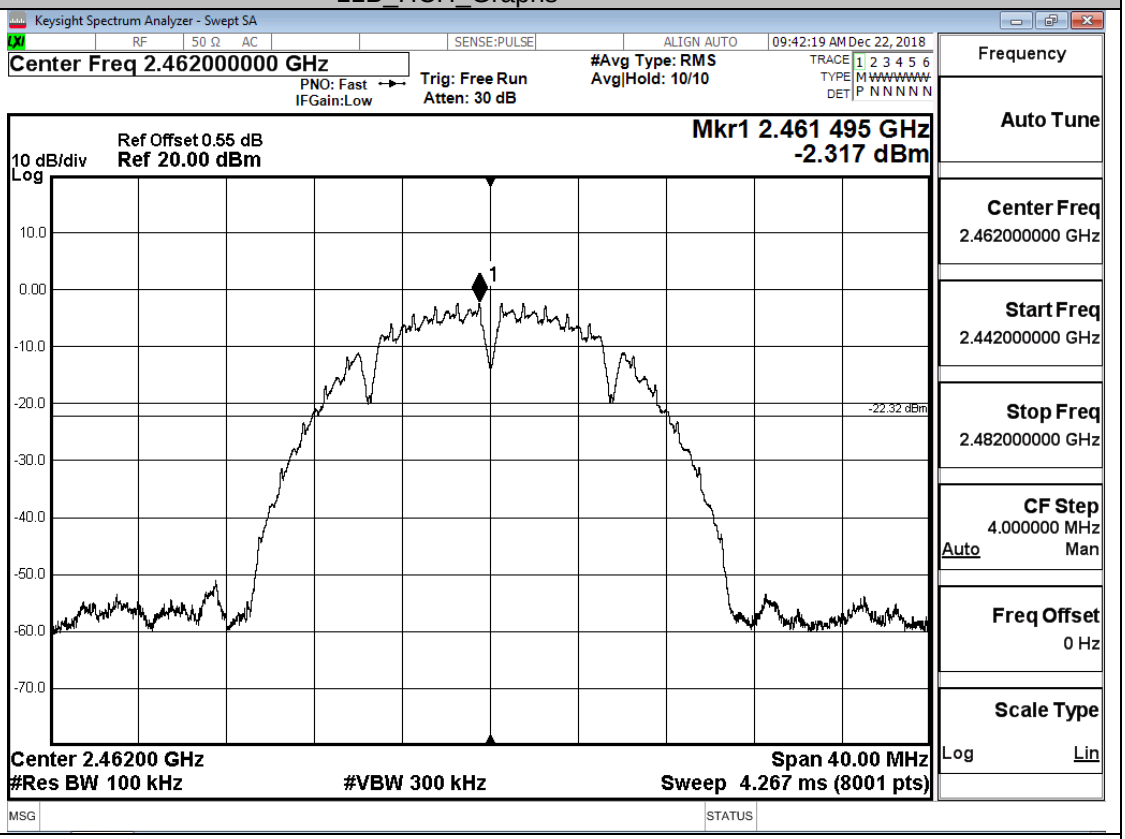
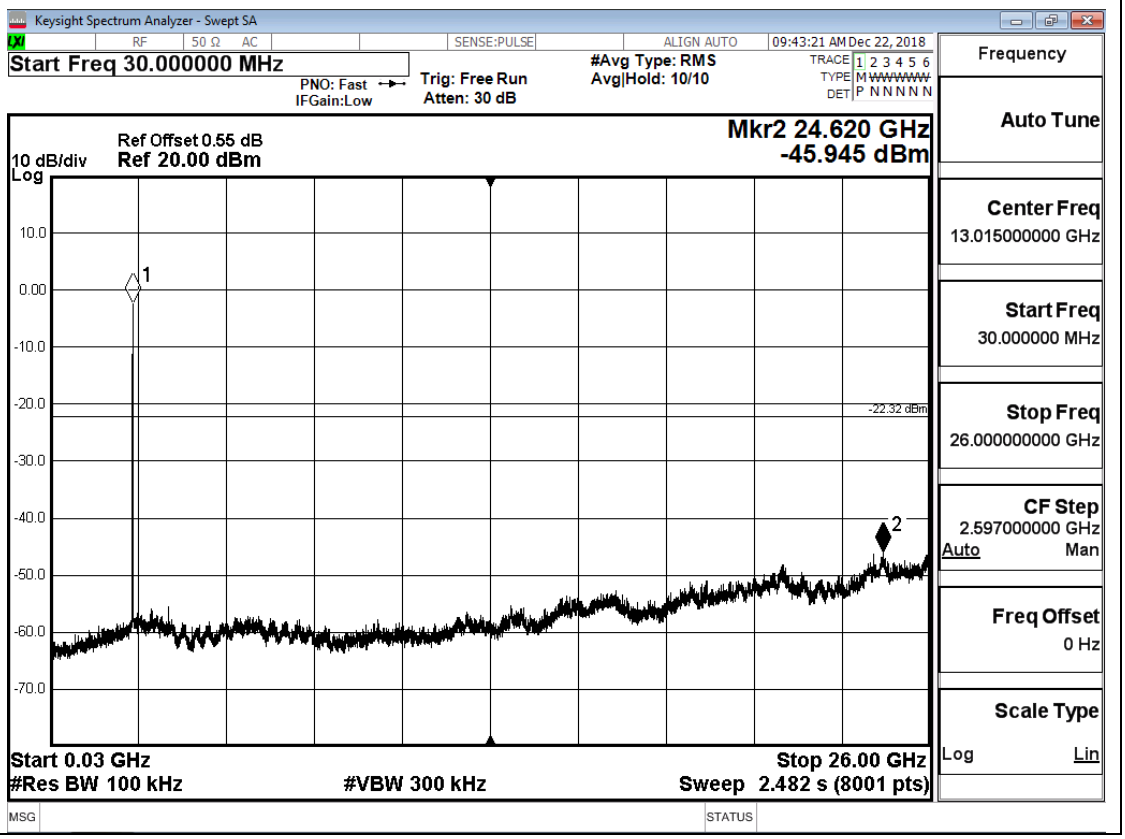


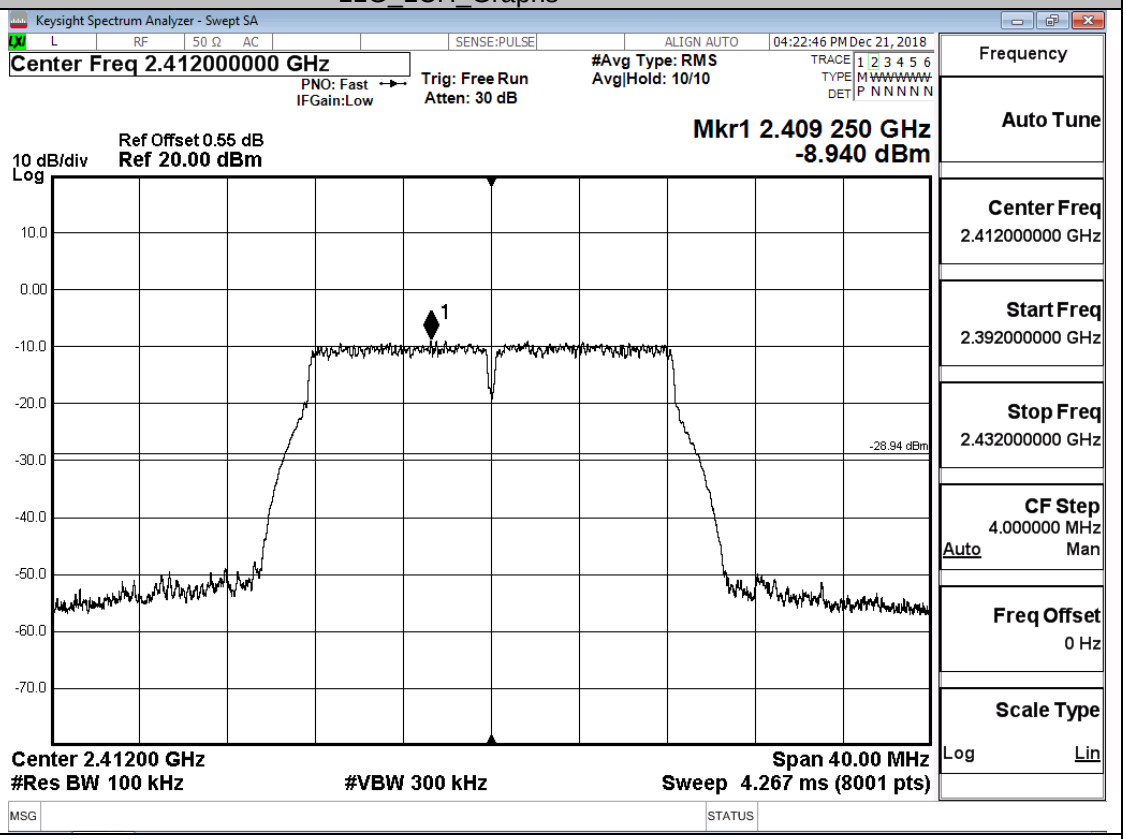
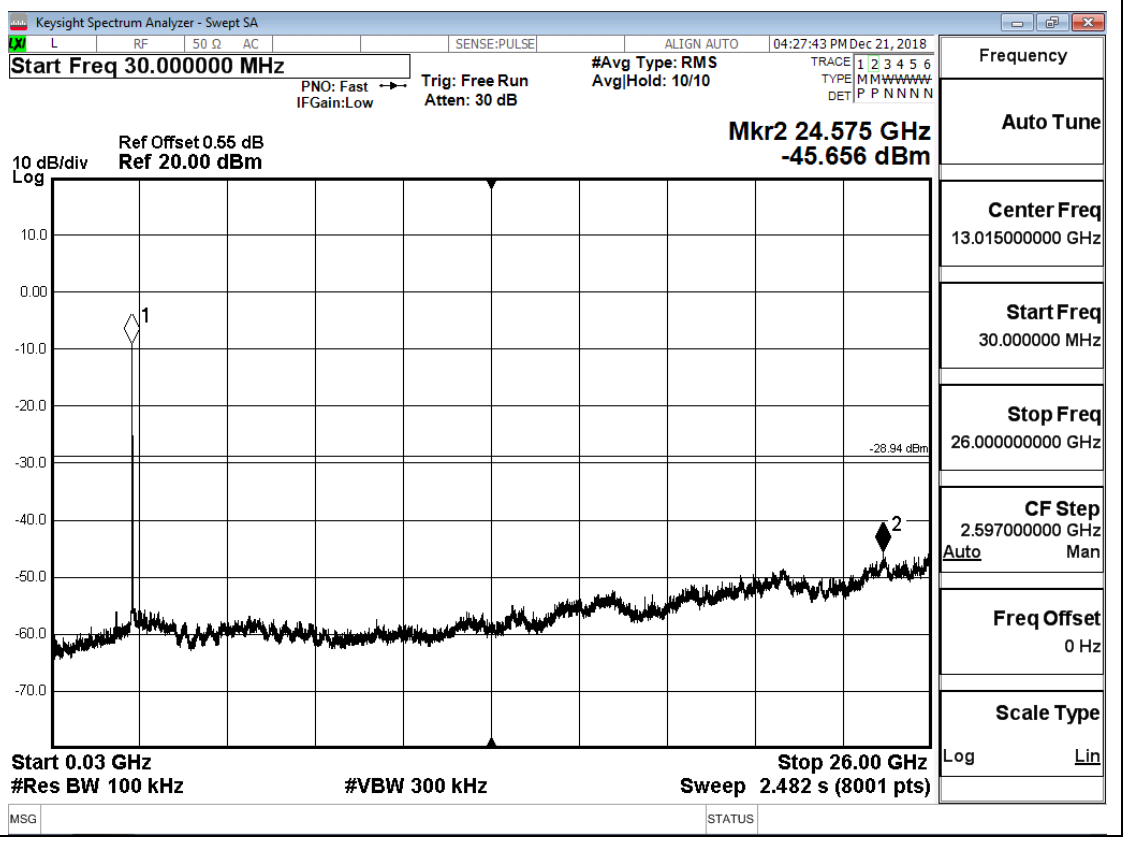
## B.5 RF Conducted Spurious Emissions

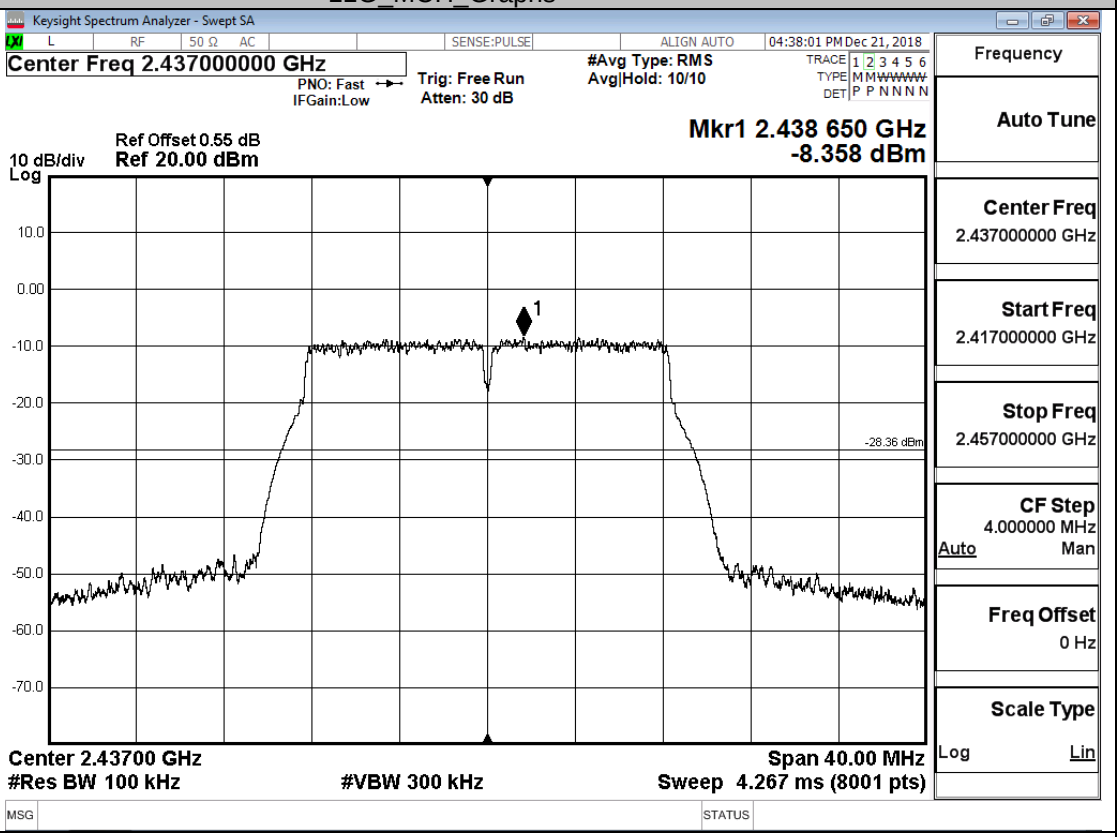
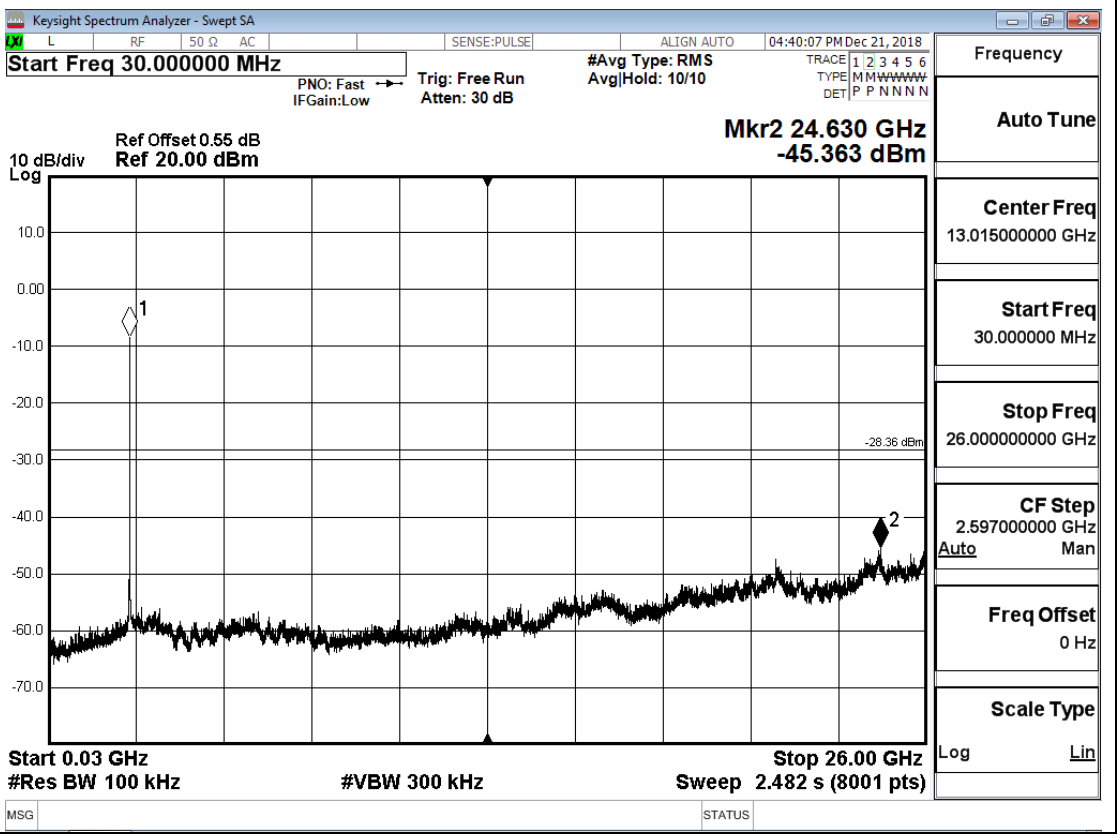
| Mode | Channel | Pref [dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|
| 11B | LCH | -2.430 | -46.029 | -22.43 | PASS |
| | MCH | -2.233 | -46.862 | -22.23 | PASS |
| | HCH | -2.317 | -45.945 | -22.32 | PASS |
| 11G | LCH | -8.940 | -45.656 | -28.94 | PASS |
| | MCH | -8.358 | -45.363 | -28.36 | PASS |
| | HCH | -8.029 | -44.676 | -28.03 | PASS |
| 11N20 SISO | LCH | -8.452 | -45.757 | -28.45 | PASS |
| | MCH | -7.955 | -47.716 | -27.96 | PASS |
| | HCH | -7.637 | -47.516 | -27.64 | PASS |

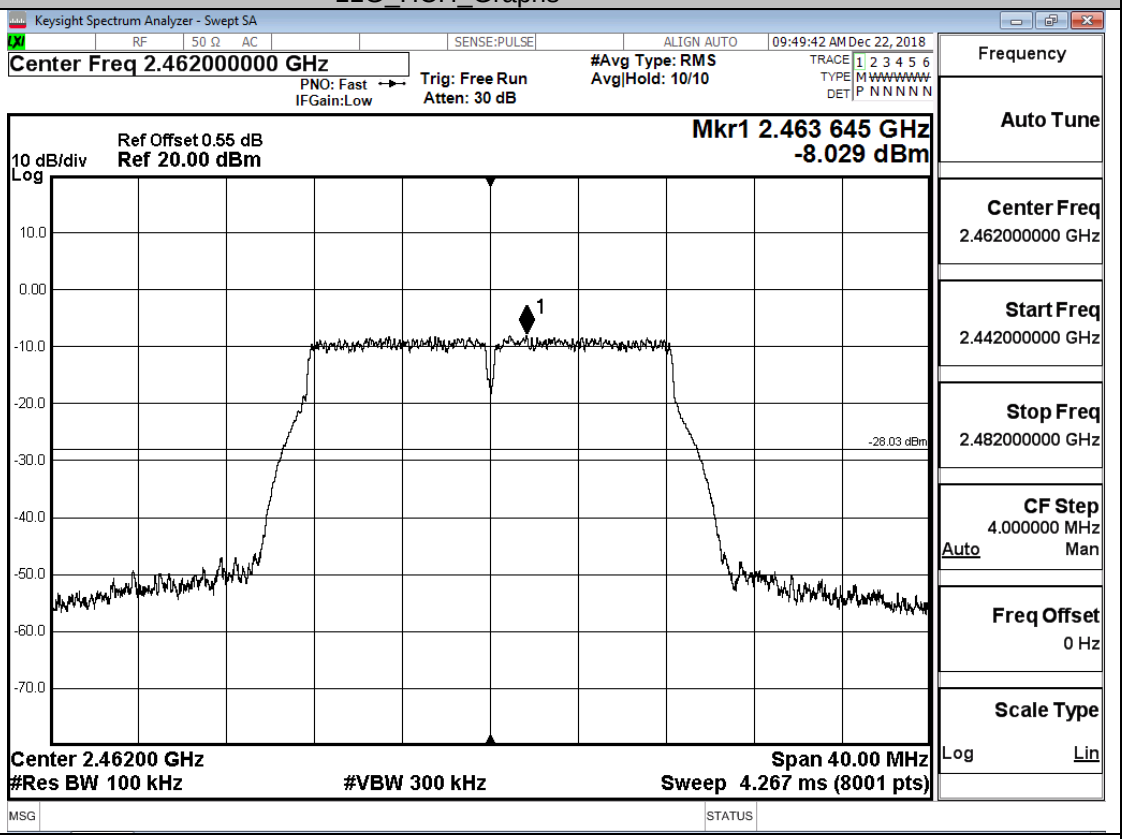
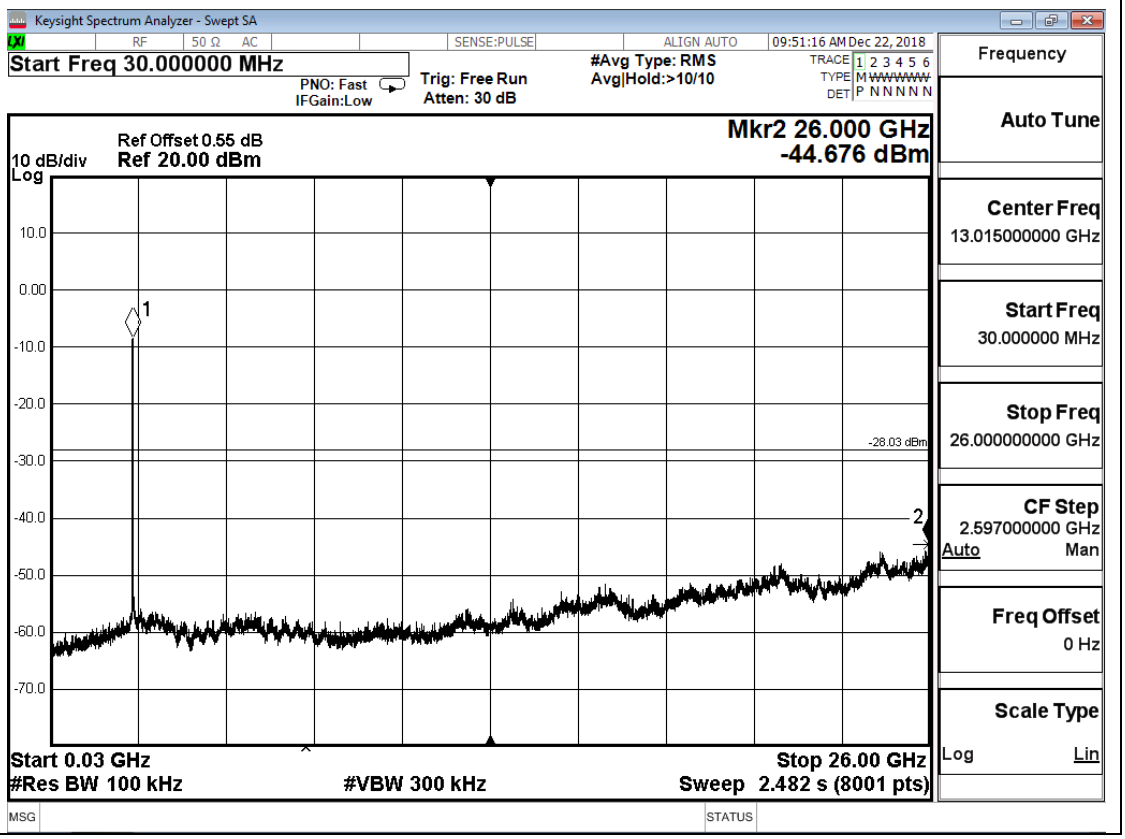
| 11B_LCH_Graphs | |
|---|---|
| Pref/11B/LCH |  |
| Puw/11B/LCH |  |

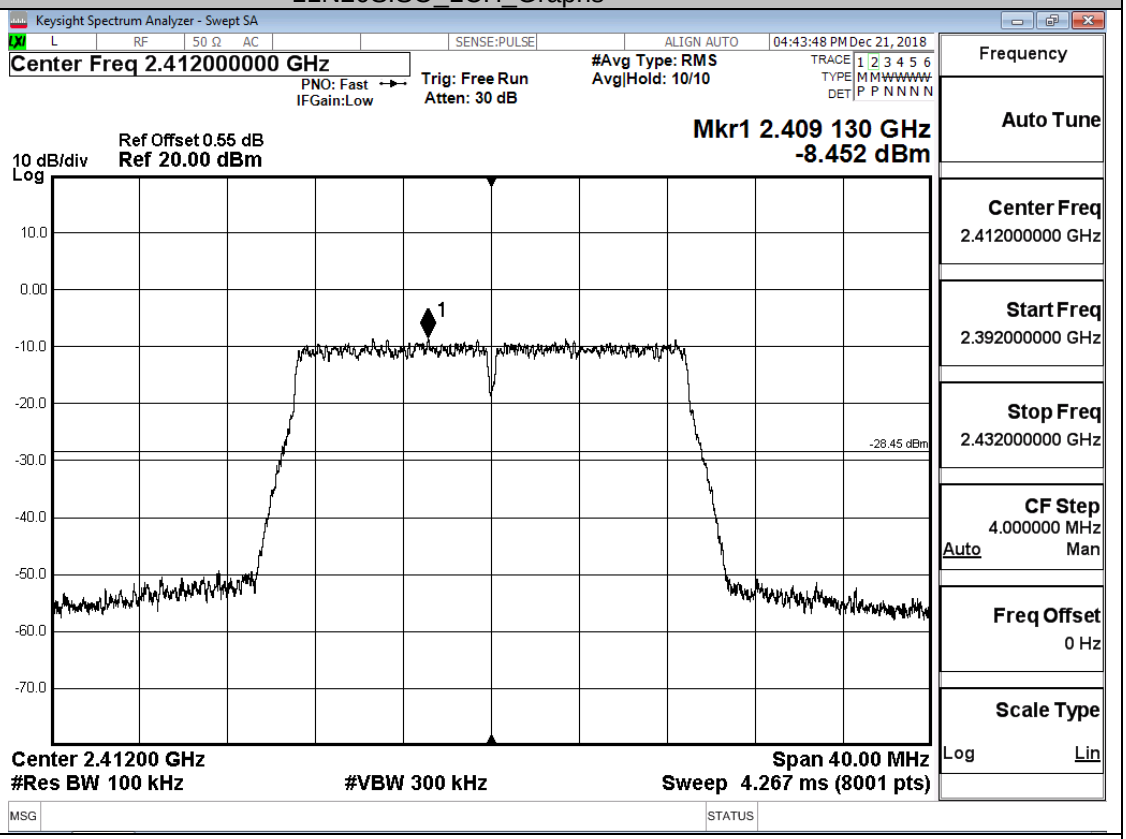
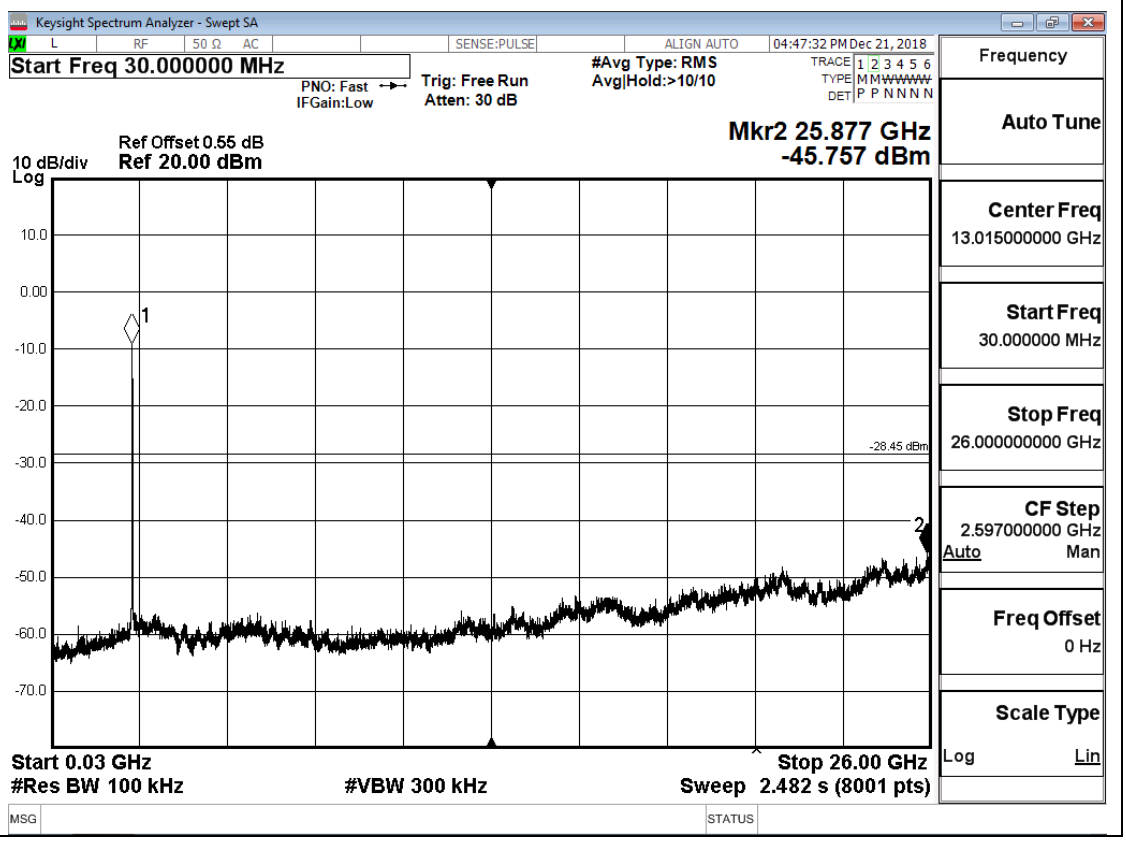
| 11B_MCH_Graphs | |
|---|---|
| Pref/11B/MCH |  |
| Puw/11B/MCH |  |

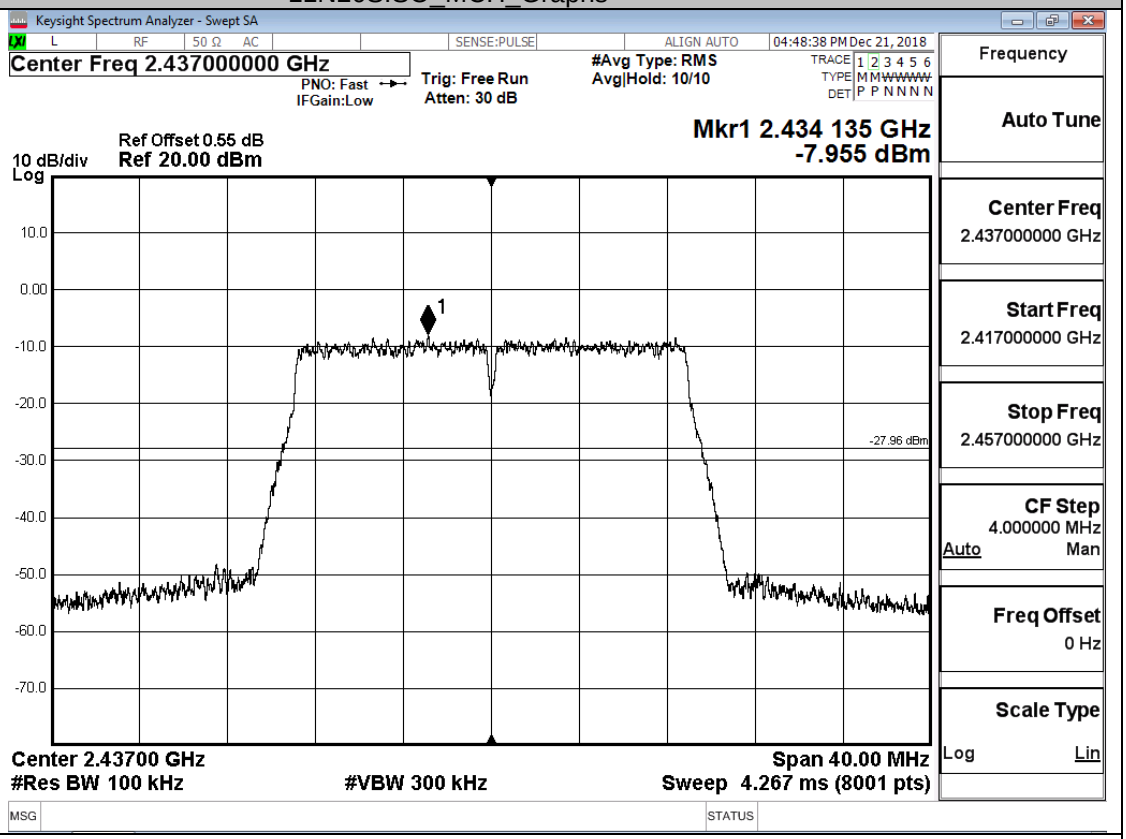
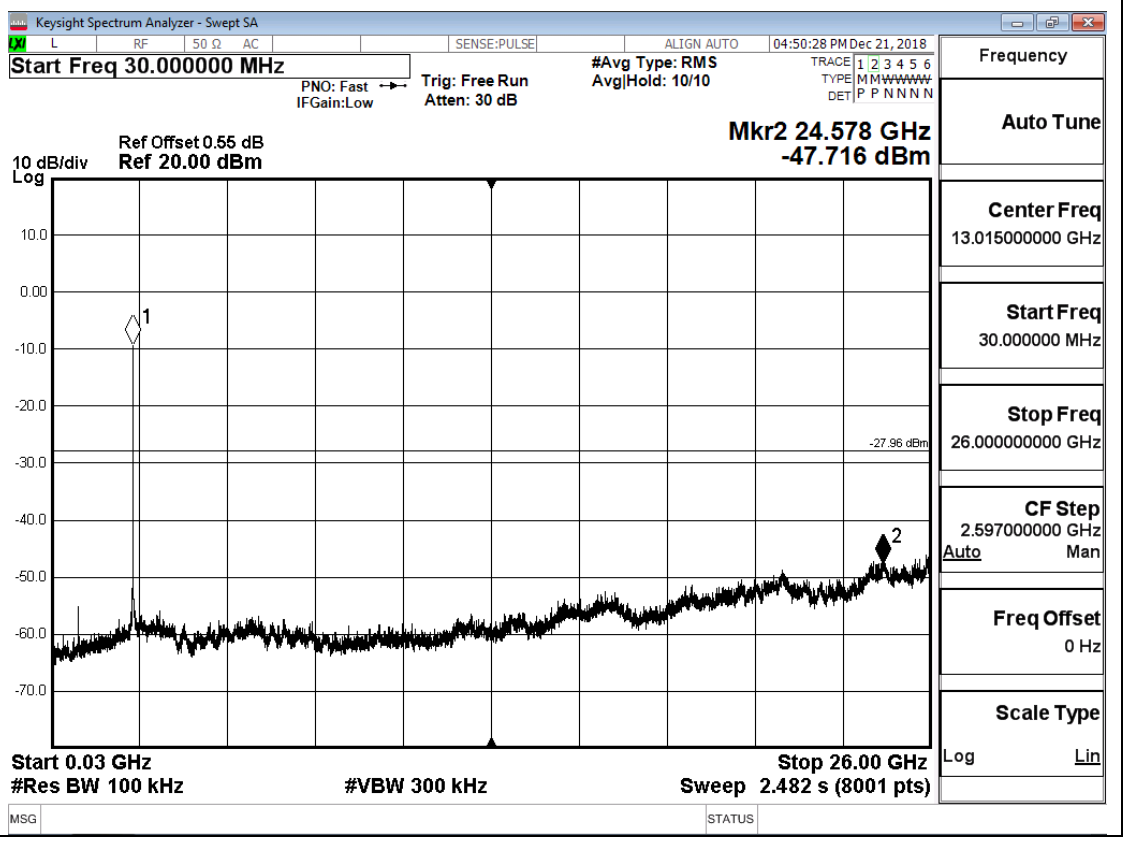
| 11B_HCH_Graphs | |
|---|---|
| Pref/11B/HCH |  |
| Puw/11B/HCH |  |

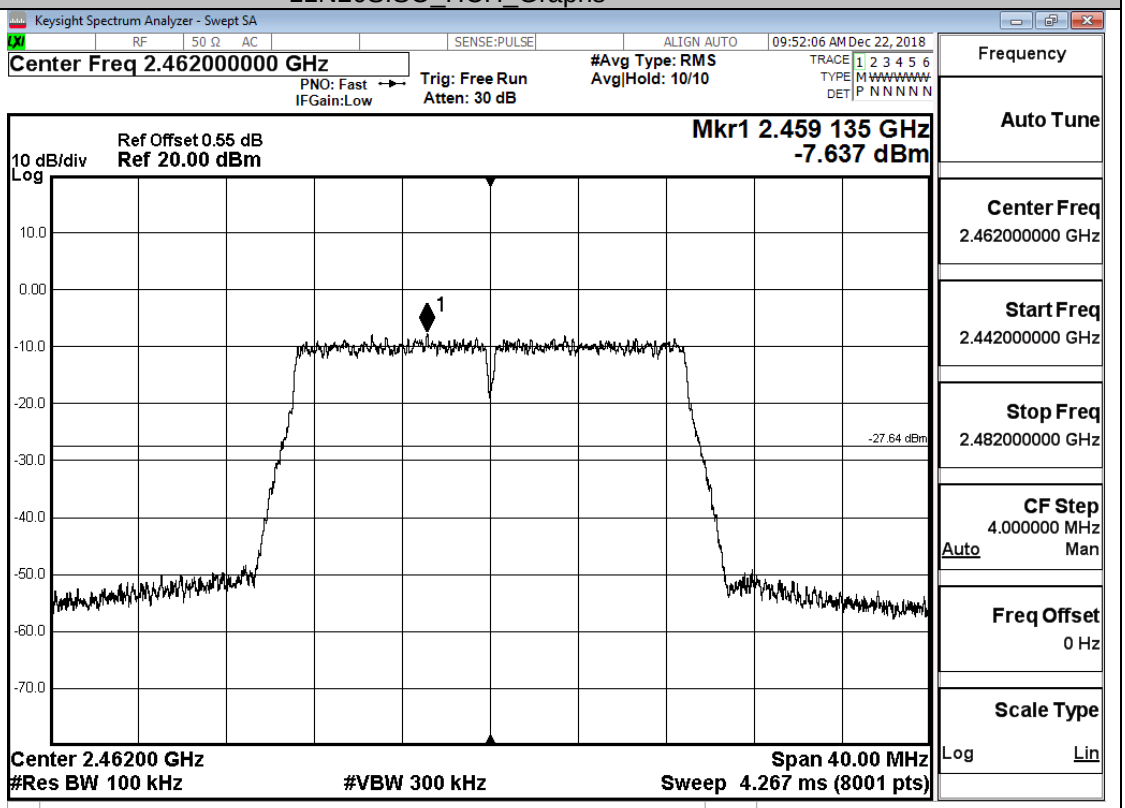
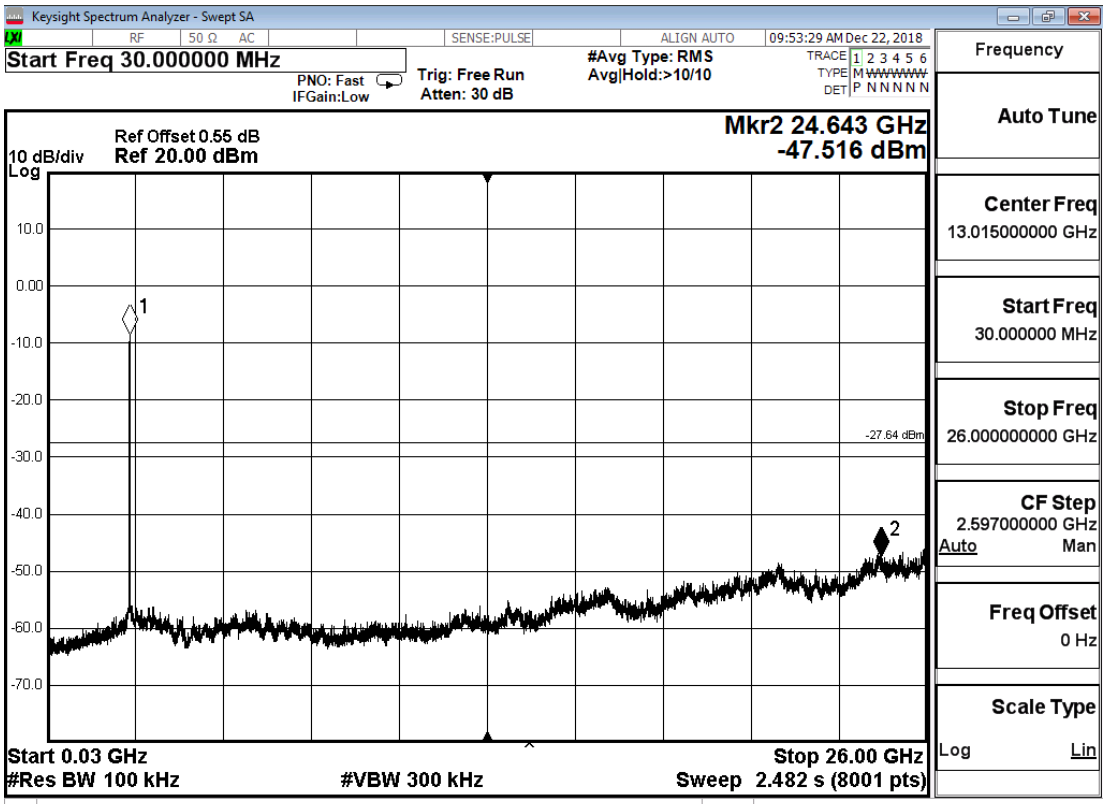
| 11G_LCH_Graphs | |
|---|---|
| Pref/11G/LCH |  |
| Puw/11G/LCH |  |

| 11G_MCH_Graphs | |
|---|---|
| Pref/11G/MCH |  |
| Puw/11G/MCH |  |

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

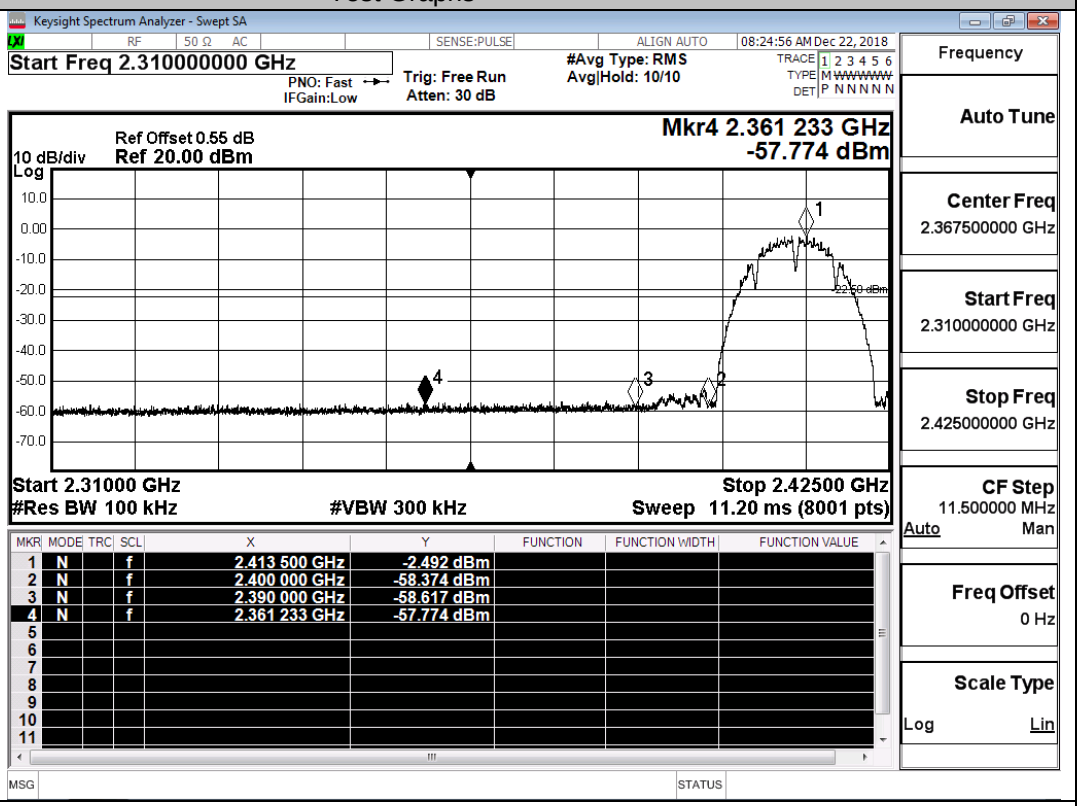
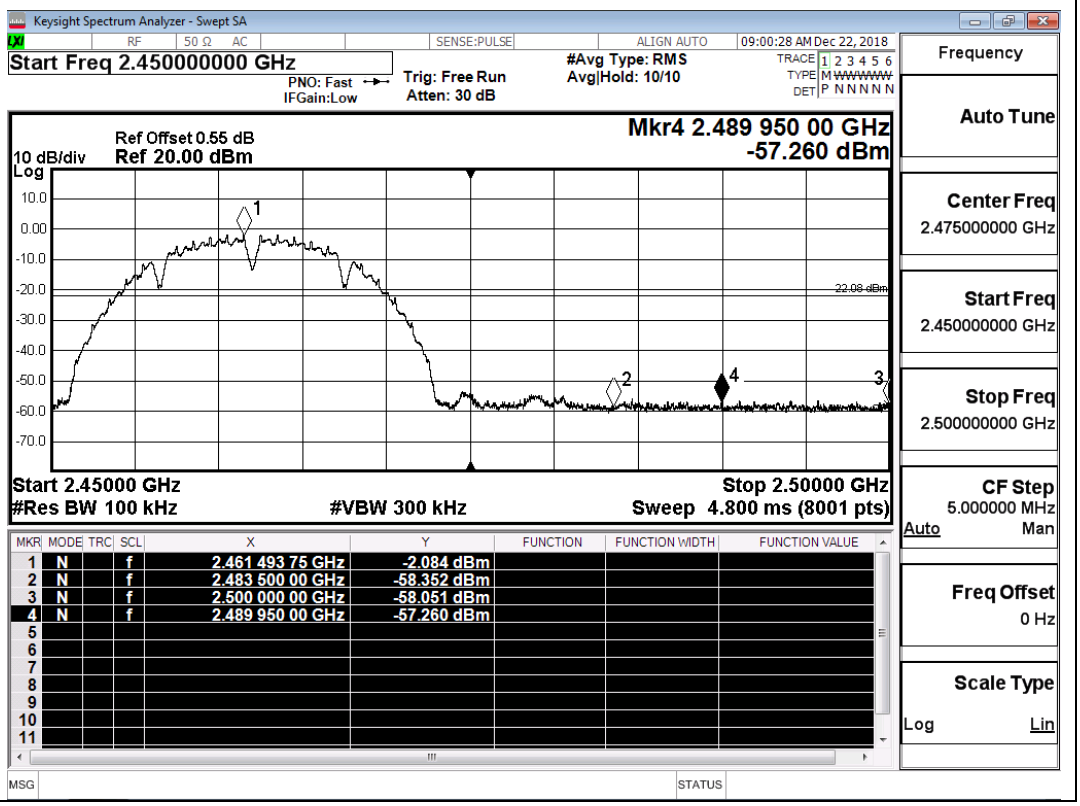
| 11N20SISO_LCH_Graphs | |
|---|---|
| Pref/11N20SISO/LCH |  |
| Puw/11N20 SISO/LCH |  |

| 11N20SISO_MCH_Graphs | |
|---|---|
| Pref/11N20 SISO/MCH |  |
| Puw/11N20 SISO/MCH |  |

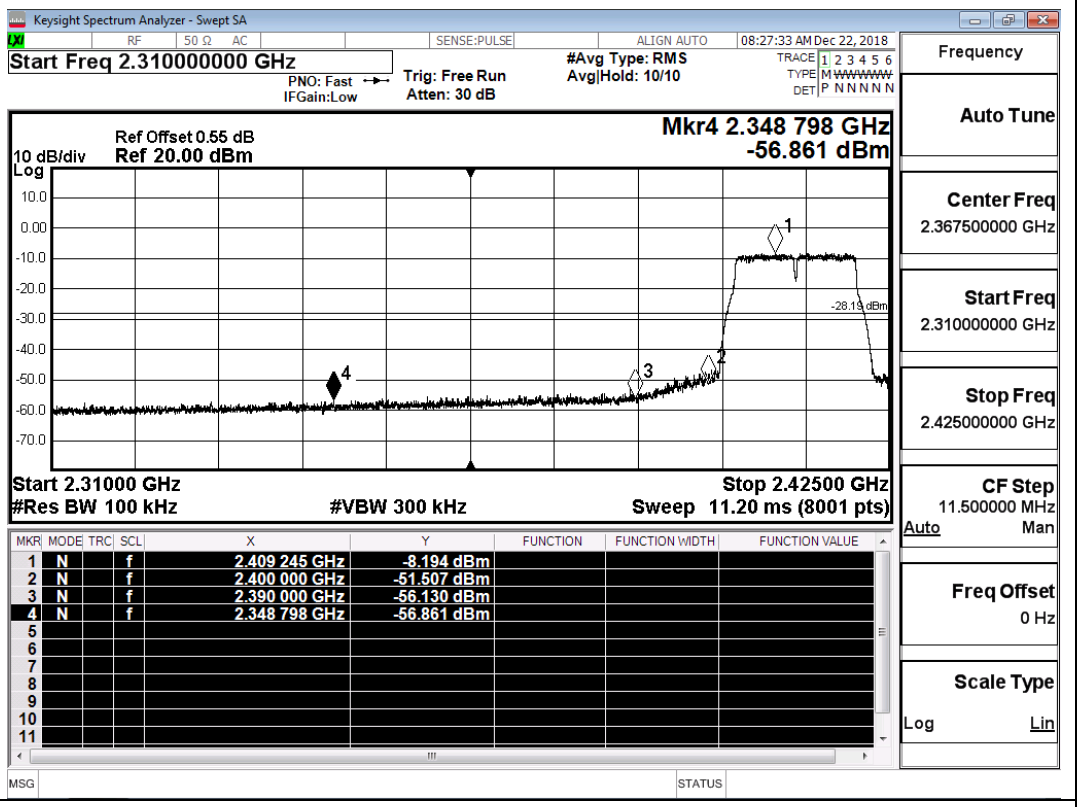
| 11N20SISO_HCH_Graphs | |
|---|---|
| Pref/11N20 SISO/HCH |  |
| Puw/11N20 SISO/HCH |  |

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

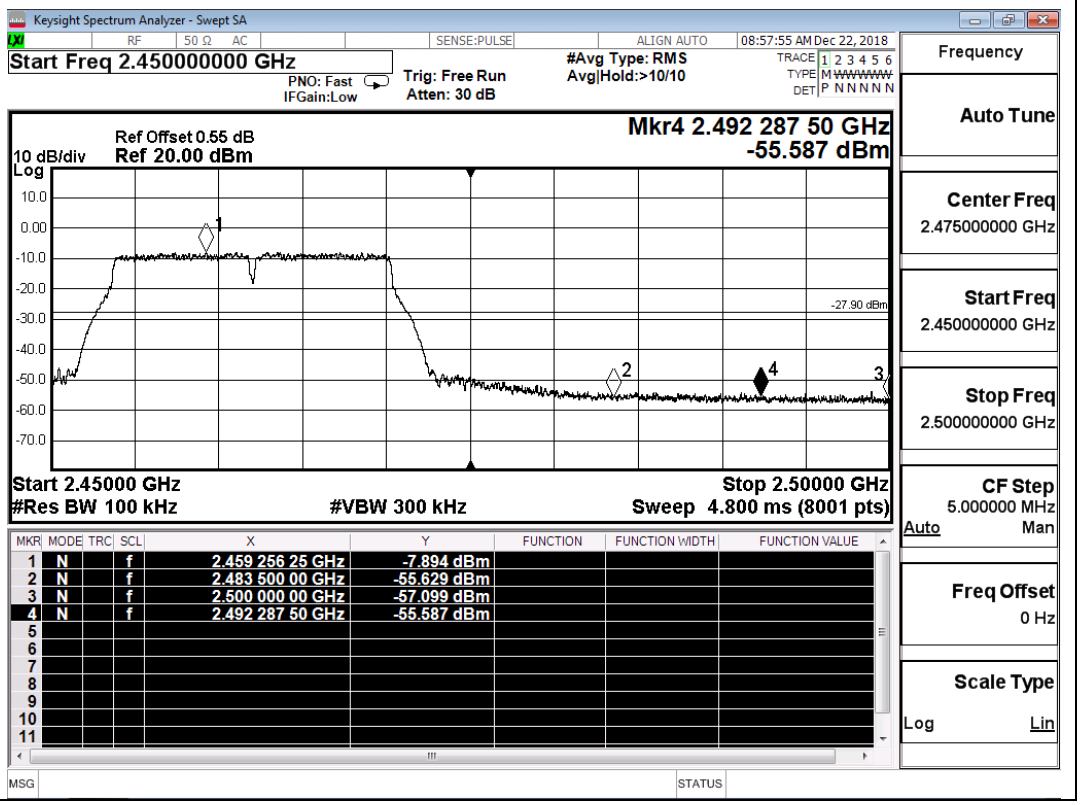
| Mode | Channel | Carrier Power[dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|
| 11B | LCH | -2.492 | -57.774 | -22.49 | PASS |
| | HCH | -2.084 | -57.260 | -22.08 | PASS |
| 11G | LCH | -8.194 | -51.507 | -28.19 | PASS |
| | HCH | -7.894 | -55.587 | -27.89 | PASS |
| 11N20SISO | LCH | -8.512 | -52.433 | -28.51 | PASS |
| | HCH | -7.485 | -54.559 | -27.49 | PASS |

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

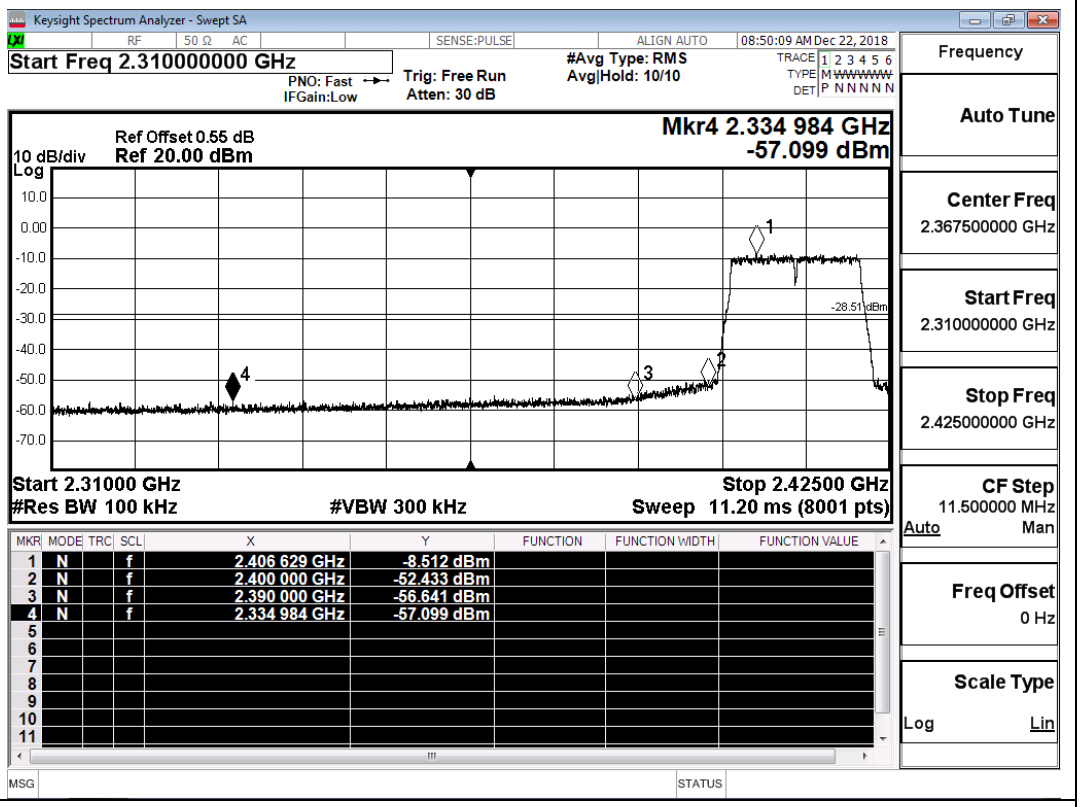
11G/LCH




11G/HCH



11N20SISO/LCH

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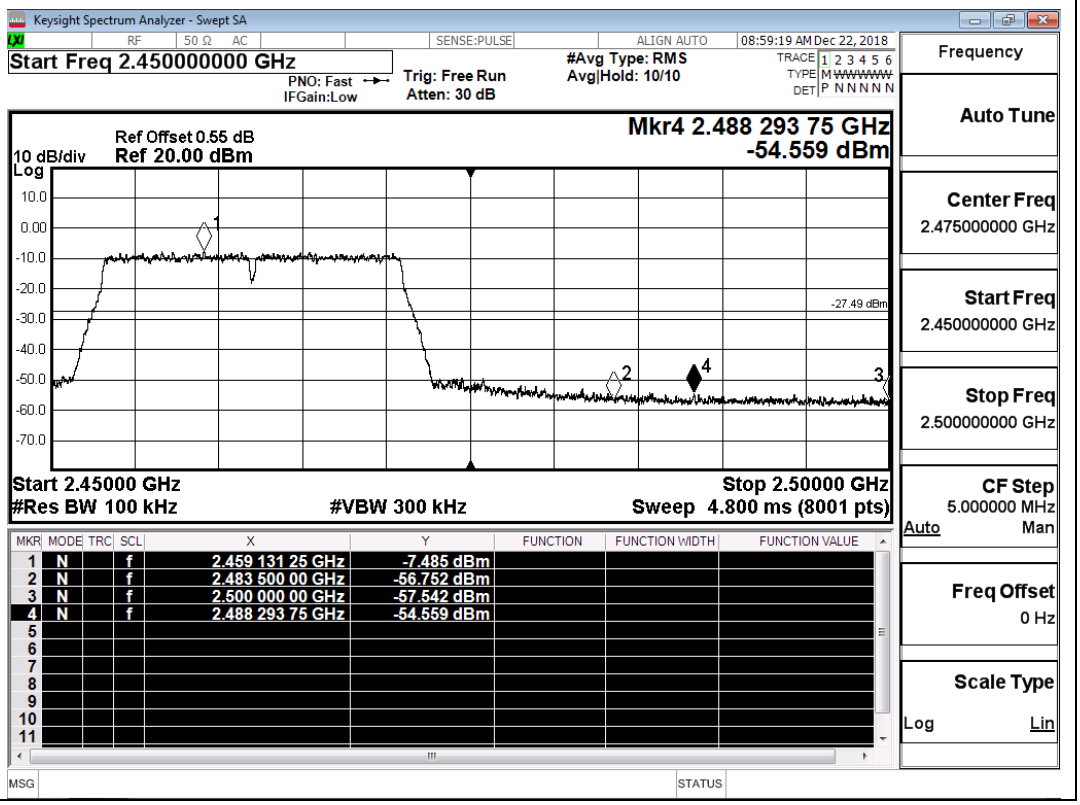
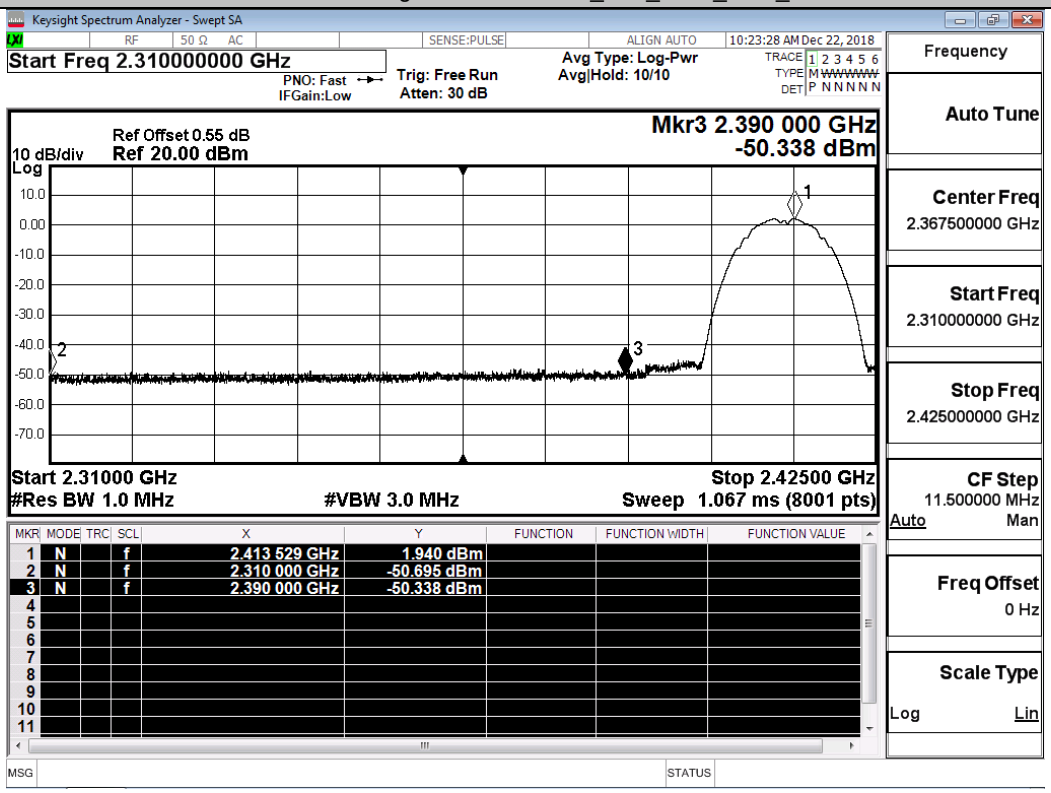


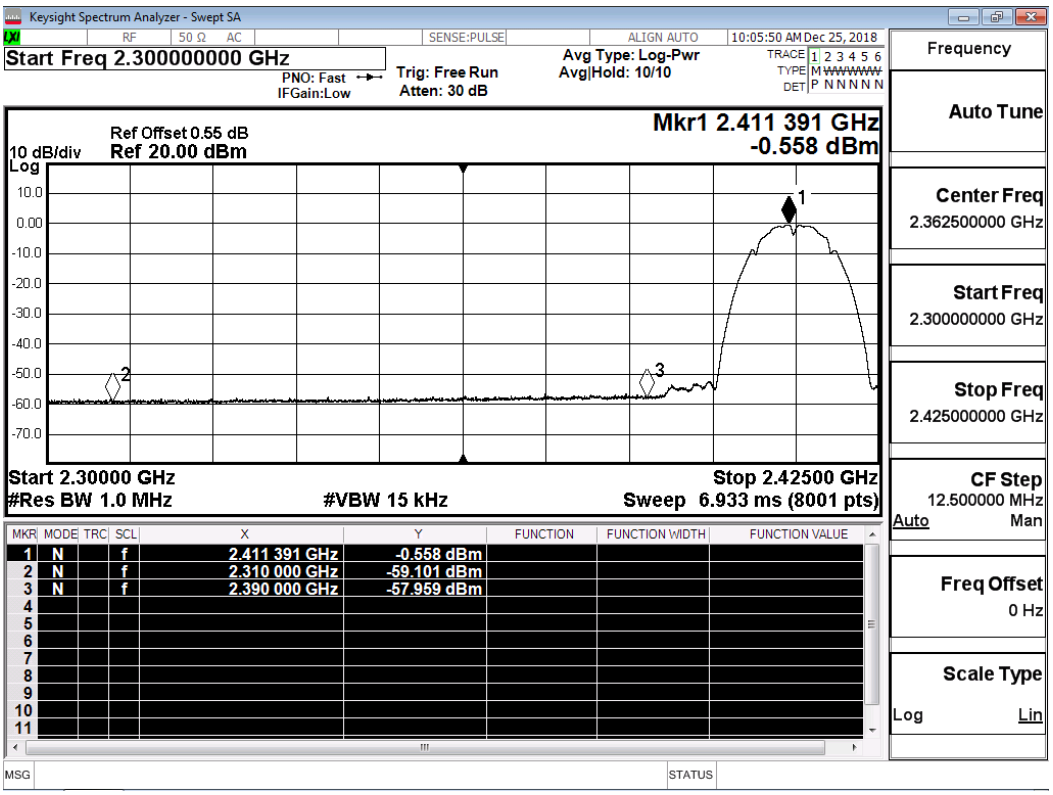
## B.7 Restrict-band band-edge measurements

| Test Mode | Test Channel | Ant | Freq. | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| 11B | 2412 | Ant1 | 2310.0 | -50.695 | 2.0 | 0 | 46.54 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2310.0 | -59.101 | 2.0 | 0 | 38.13 | AV | 54 | PASS |
| | 2412 | Ant1 | 2390.0 | -50.338 | 2.0 | 0 | 46.89 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2390.0 | -57.959 | 2.0 | 0 | 39.27 | AV | 54 | PASS |
| | 2462 | Ant1 | 2483.5 | -48.494 | 2.0 | 0 | 48.74 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2483.5 | -58.051 | 2.0 | 0 | 39.18 | AV | 54 | PASS |
| | 2462 | Ant1 | 2500.0 | -48.651 | 2.0 | 0 | 48.58 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2500.0 | -57.654 | 2.0 | 0 | 39.58 | AV | 54 | PASS |
| 11G | 2412 | Ant1 | 2310.0 | -51.941 | 2.0 | 0 | 45.29 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2310.0 | -59.273 | 2.0 | 0 | 37.96 | AV | 54 | PASS |
| | 2412 | Ant1 | 2390.0 | -47.158 | 2.0 | 0 | 50.07 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2390.0 | -55.286 | 2.0 | 0 | 41.94 | AV | 54 | PASS |
| | 2462 | Ant1 | 2483.5 | -47.010 | 2.0 | 0 | 50.22 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2483.5 | -54.966 | 2.0 | 0 | 42.26 | AV | 54 | PASS |
| | 2462 | Ant1 | 2500.0 | -46.840 | 2.0 | 0 | 50.39 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2500.0 | -56.390 | 2.0 | 0 | 40.84 | AV | 54 | PASS |
| 11N20 SISO | 2412 | Ant1 | 2310.0 | -52.238 | 2.0 | 0 | 44.99 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2310.0 | -59.440 | 2.0 | 0 | 37.79 | AV | 54 | PASS |
| | 2412 | Ant1 | 2390.0 | -48.548 | 2.0 | 0 | 48.68 | PEAK | 74 | PASS |
| | 2412 | Ant1 | 2390.0 | -54.883 | 2.0 | 0 | 42.35 | AV | 54 | PASS |
| | 2462 | Ant1 | 2483.5 | -46.681 | 2.0 | 0 | 50.55 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2483.5 | -54.909 | 2.0 | 0 | 42.32 | AV | 54 | PASS |
| | 2462 | Ant1 | 2500.0 | -48.530 | 2.0 | 0 | 48.70 | PEAK | 74 | PASS |
| | 2462 | Ant1 | 2500.0 | -55.930 | 2.0 | 0 | 41.30 | AV | 54 | PASS |

Restrict-band band-edge measurements_11B_2412_Ant1_PEAK




Restrict-band band-edge measurements_11B_2412_Ant1_AV



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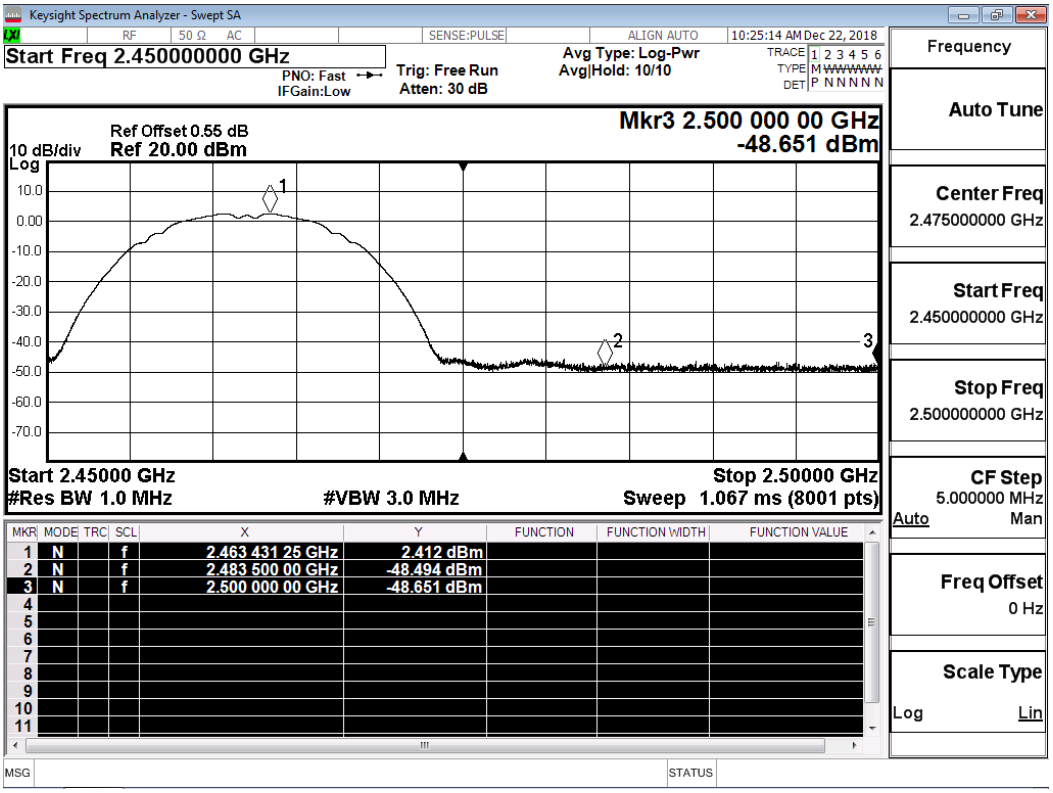


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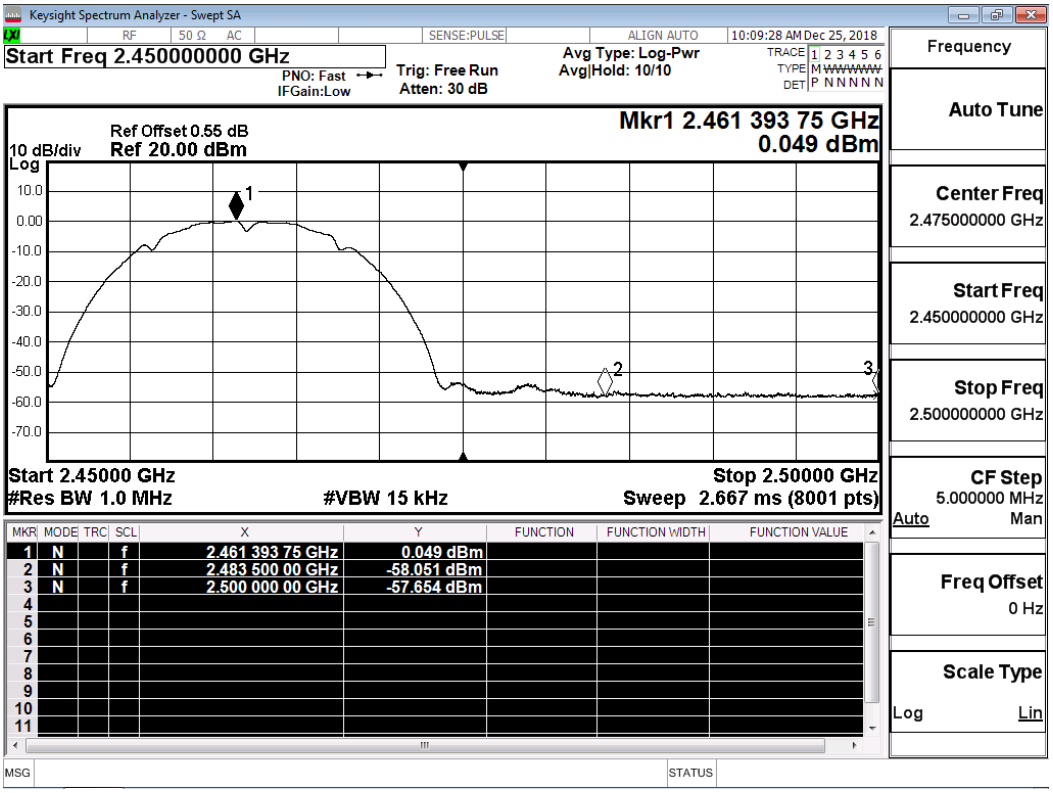

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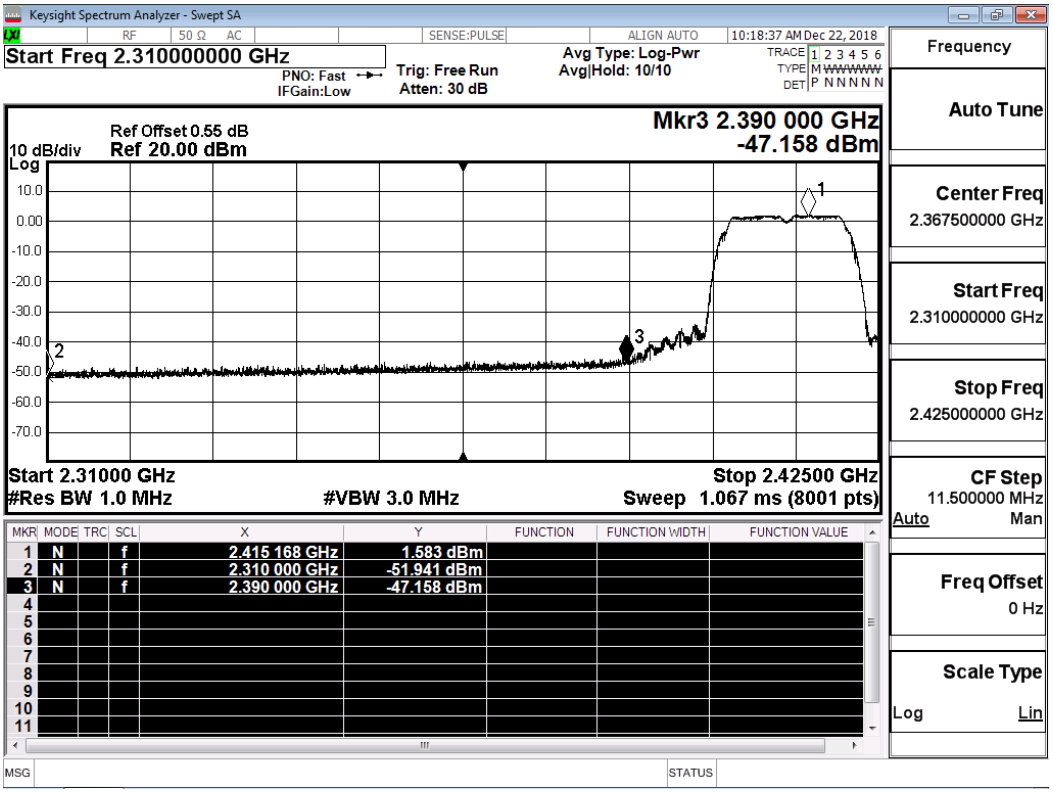


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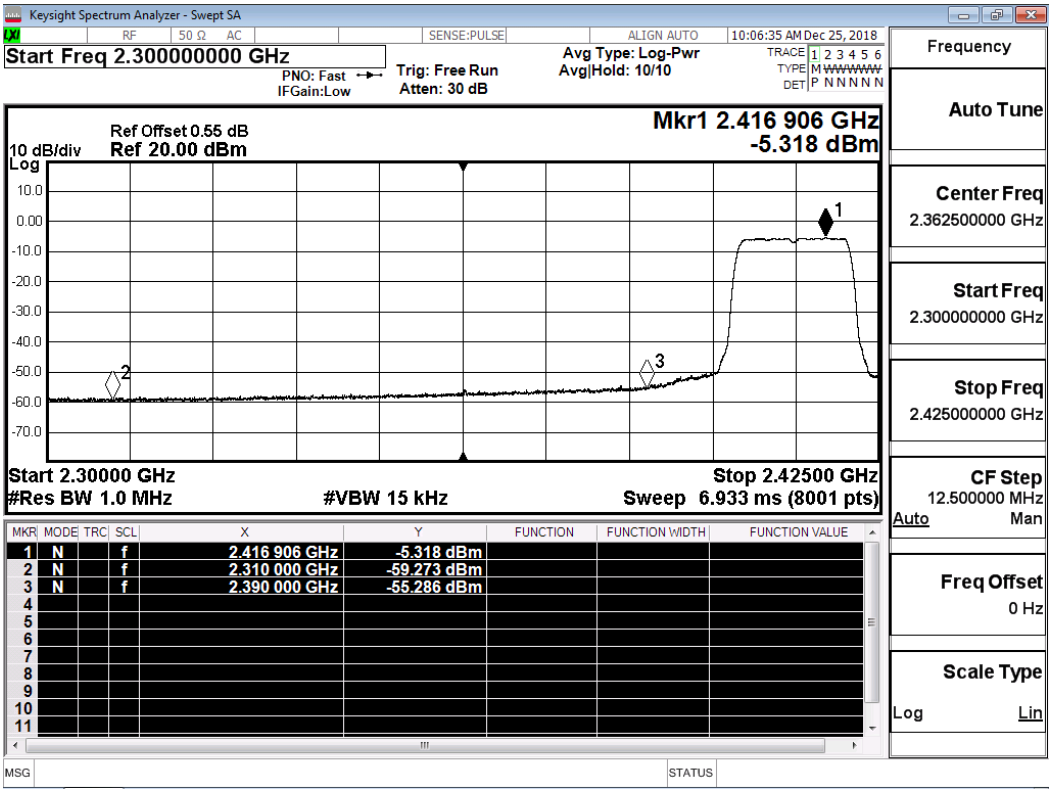

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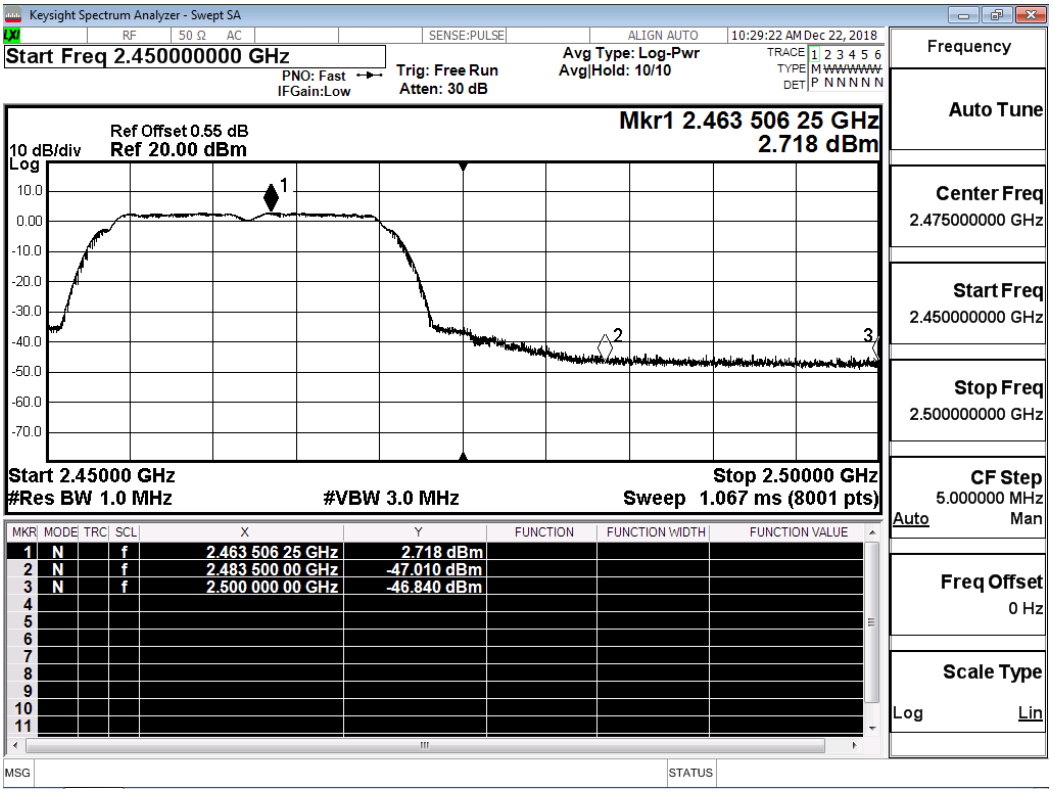


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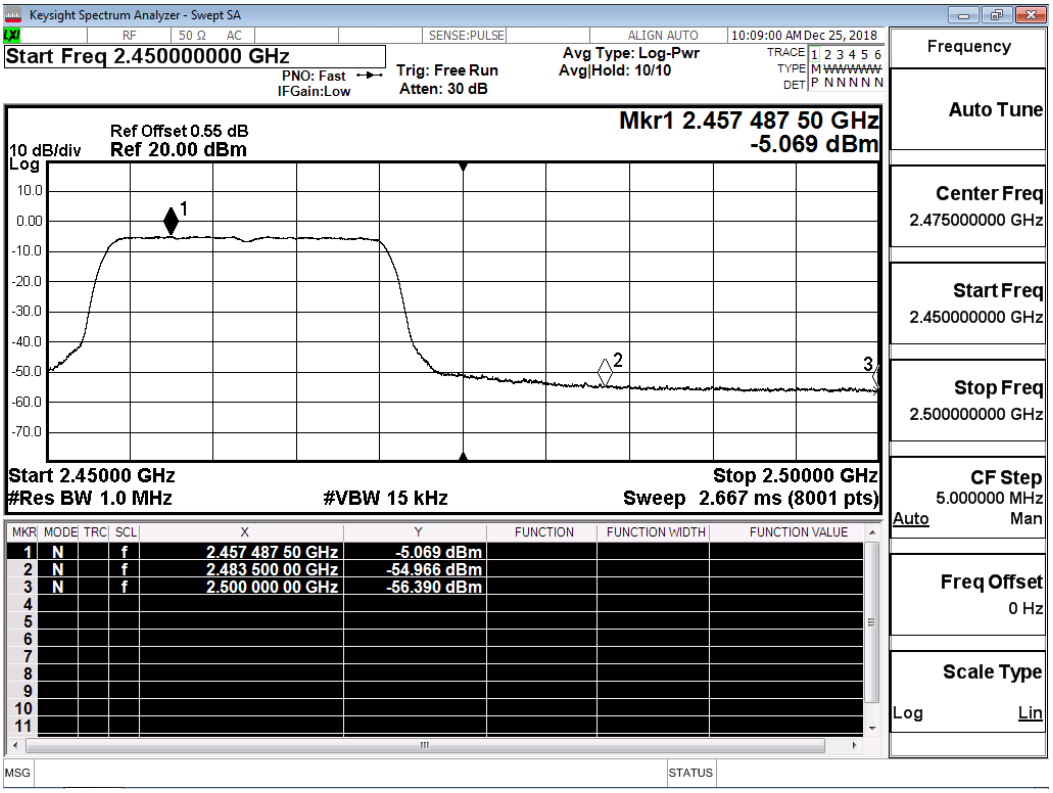

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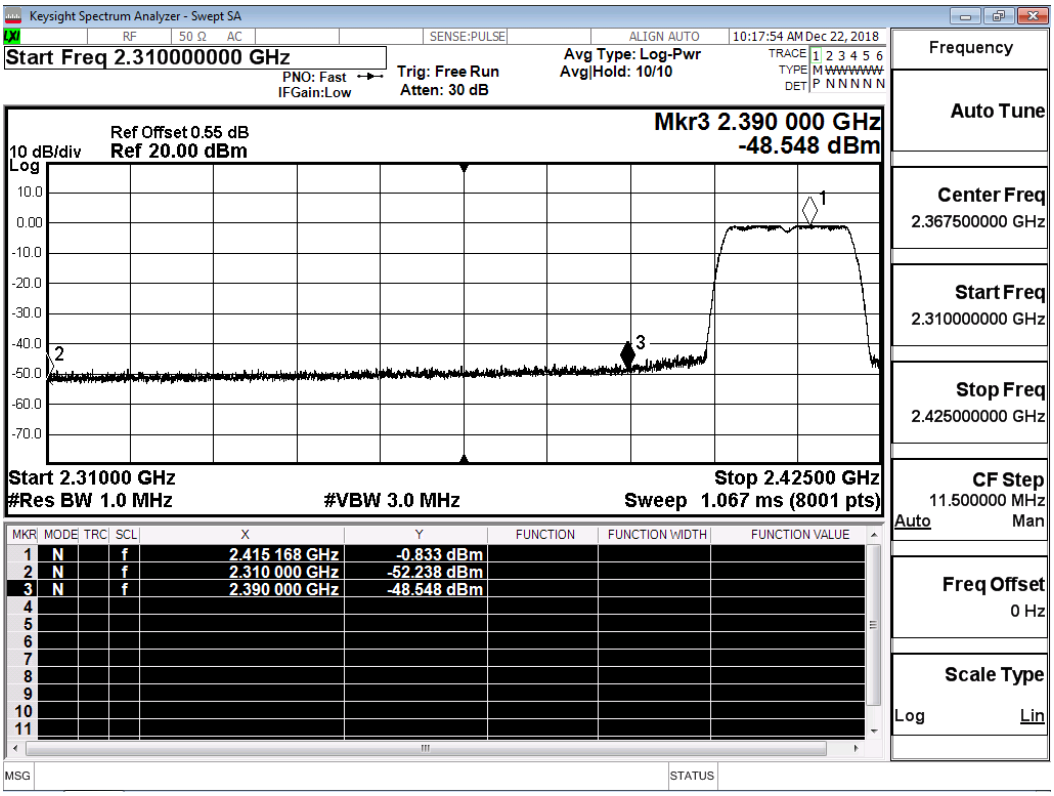


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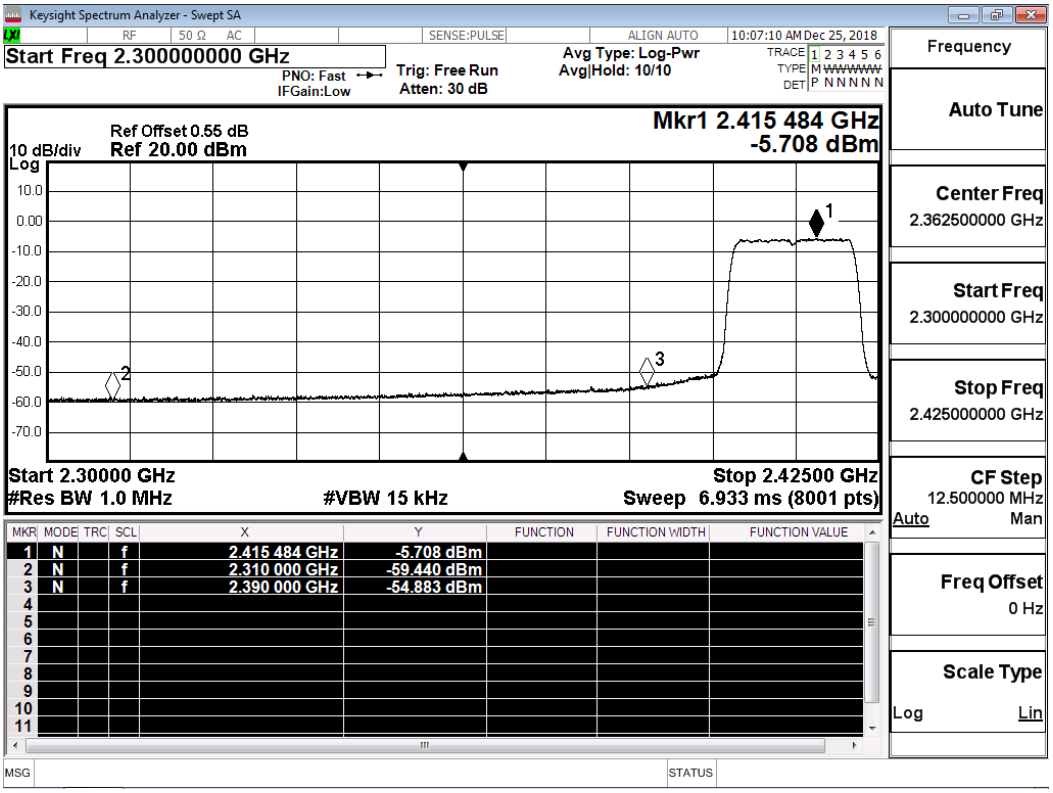

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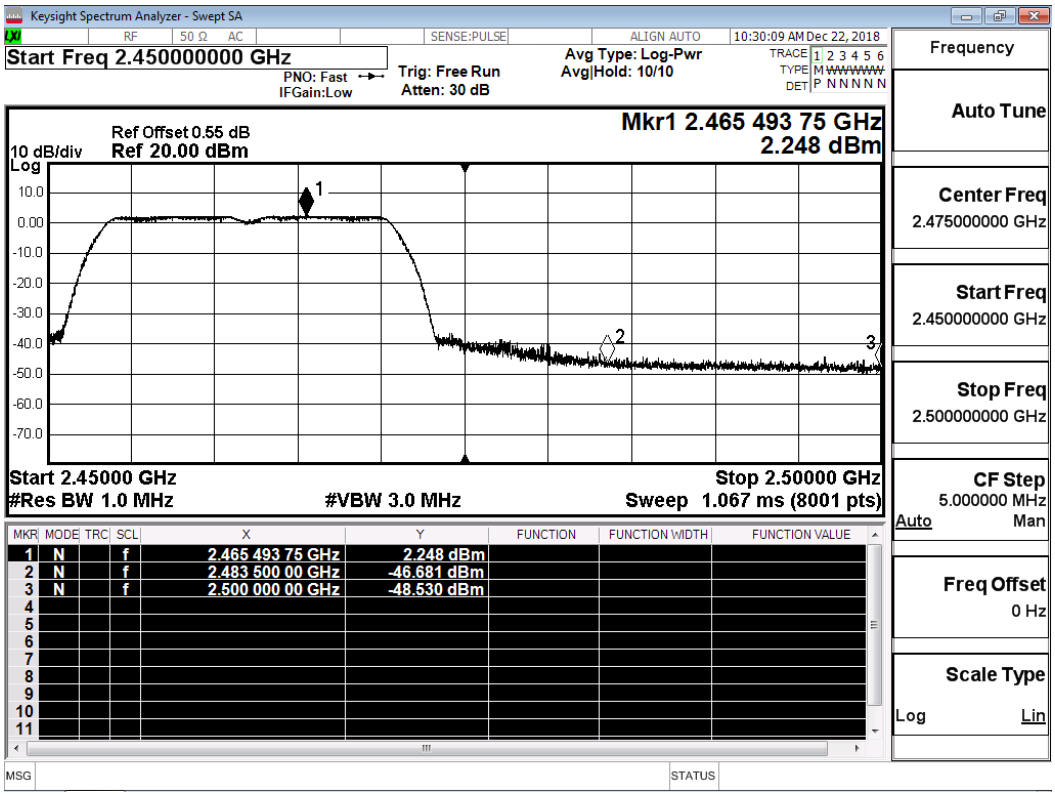

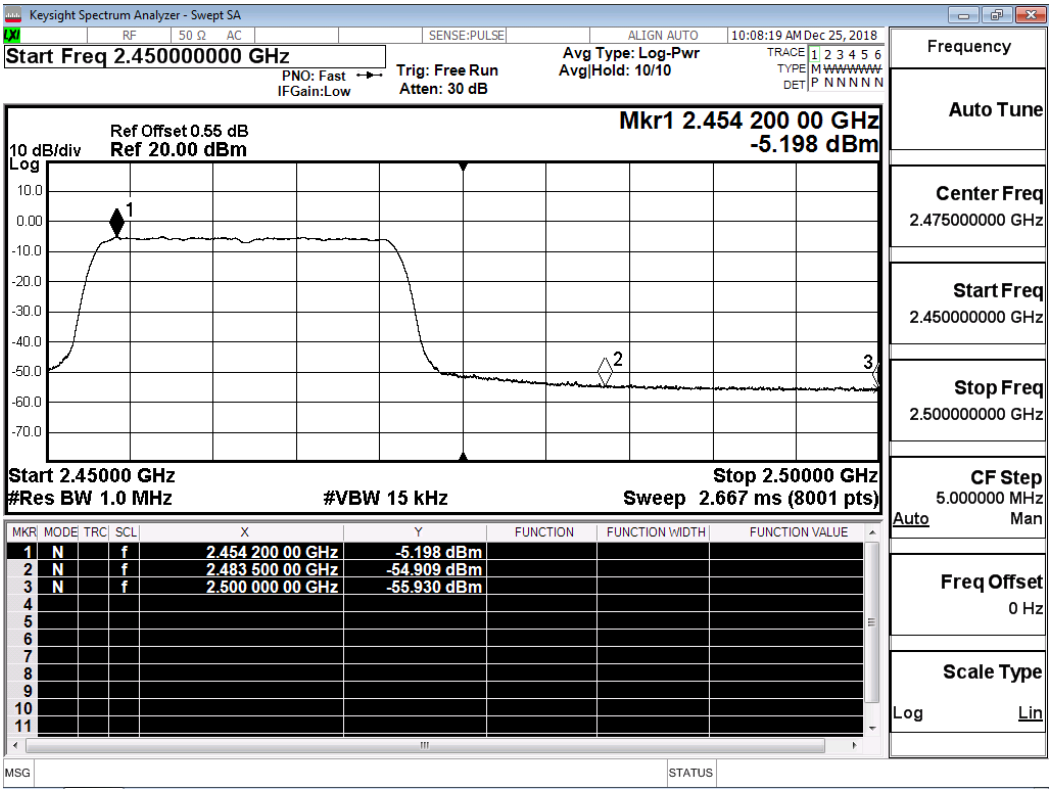
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