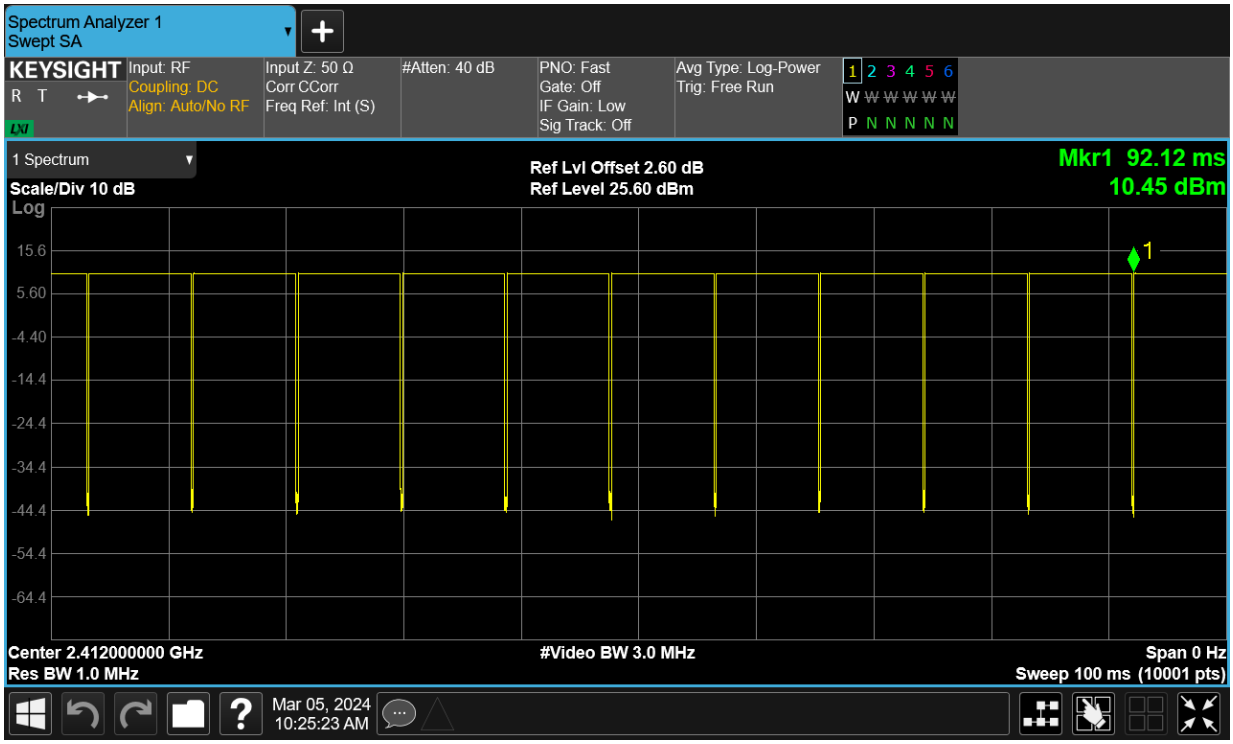
# Test Data

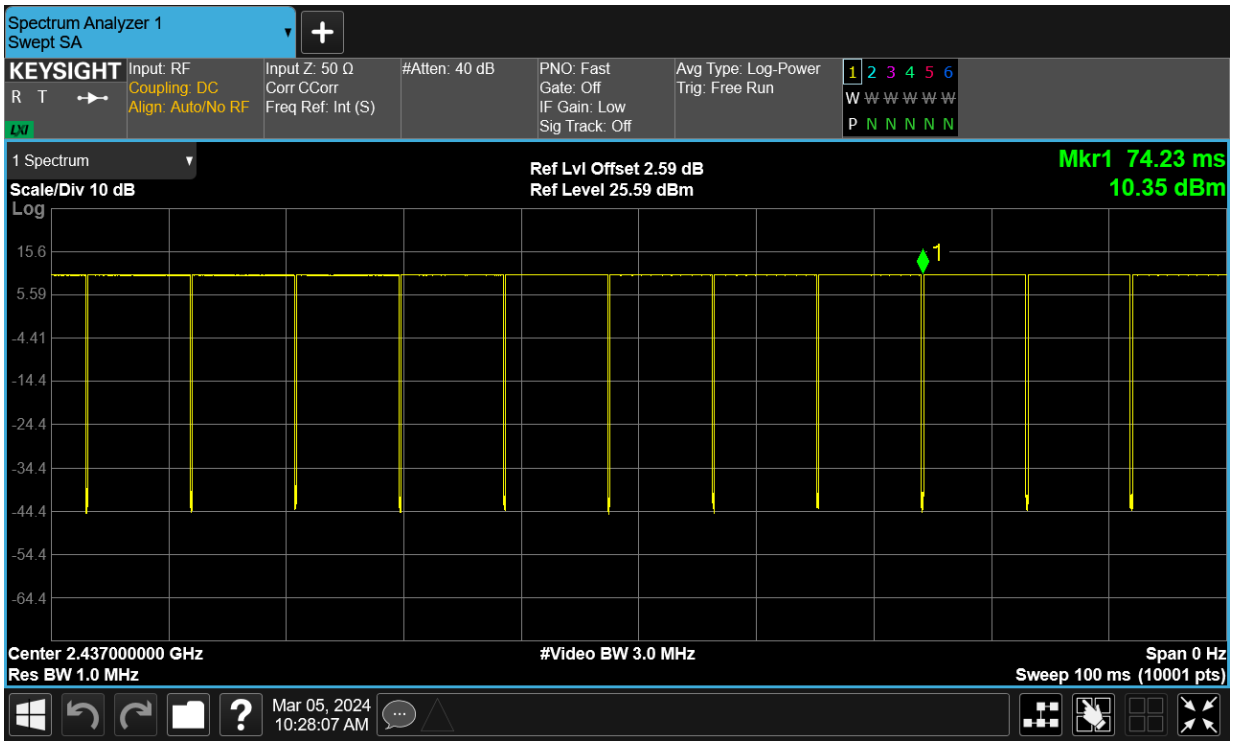
## Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 98 | 0.09 |
| NVNT | b | 2437 | Ant1 | 98.01 | 0.09 |
| NVNT | b | 2462 | Ant1 | 98.04 | 0.09 |
| NVNT | b | 2412 | Ant2 | 98.03 | 0.09 |
| NVNT | b | 2437 | Ant2 | 98.06 | 0.09 |
| NVNT | b | 2462 | Ant2 | 98.13 | 0.08 |
| NVNT | g | 2412 | Ant1 | 88.39 | 0.54 |
| NVNT | g | 2437 | Ant1 | 88.38 | 0.54 |
| NVNT | g | 2462 | Ant1 | 88.38 | 0.54 |
| NVNT | g | 2412 | Ant2 | 88.38 | 0.54 |
| NVNT | g | 2437 | Ant2 | 88.44 | 0.53 |
| NVNT | g | 2462 | Ant2 | 88.38 | 0.54 |
| NVNT | n20 | 2412 | Sum | 66.32 | 1.78 |
| NVNT | n20 | 2437 | Sum | 66.26 | 1.79 |
| NVNT | n20 | 2462 | Sum | 66.34 | 1.78 |
| NVNT | n40 | 2422 | Sum | 52.08 | 2.83 |
| NVNT | n40 | 2437 | Sum | 52.08 | 2.83 |
| NVNT | n40 | 2452 | Sum | 52.14 | 2.83 |

| Test Graphs |
| --- |
| Duty Cycle NVNT b 2412MHz Ant1 |




| Duty Cycle NVNT b 2437MHz Ant1 |
| --- |




| Duty Cycle NVNT b 2462MHz Ant1 |
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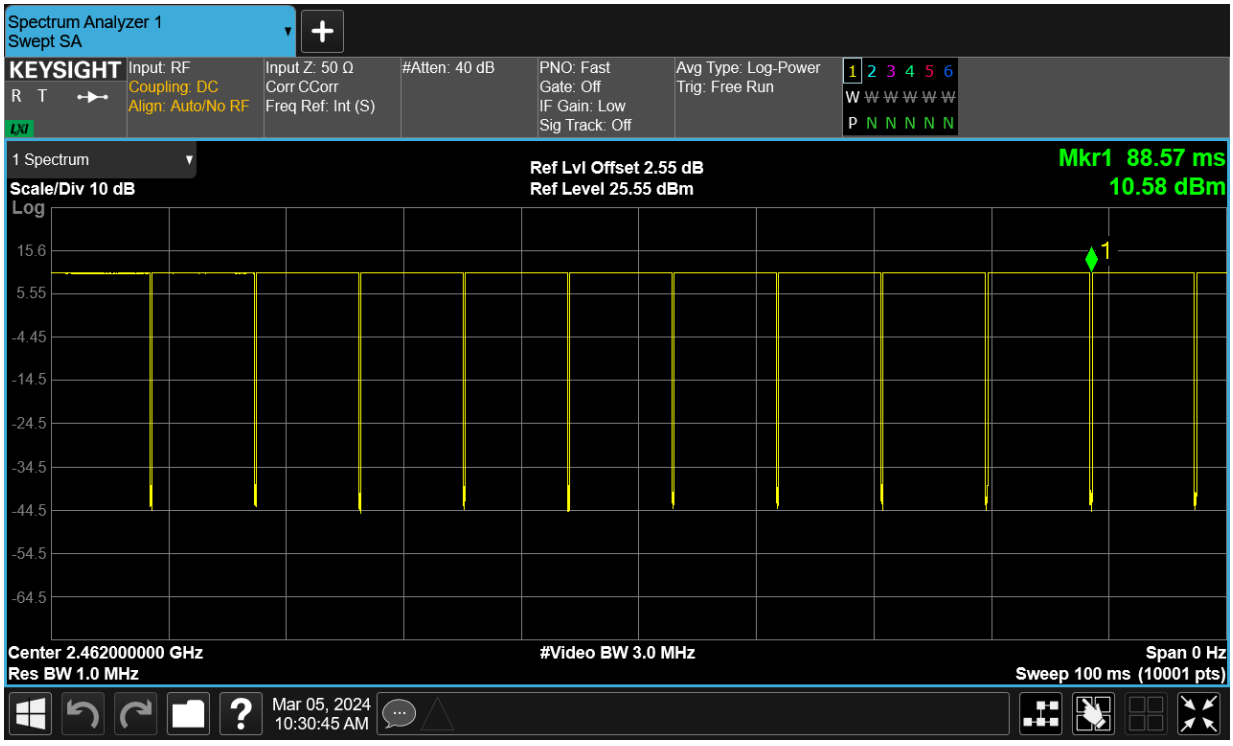
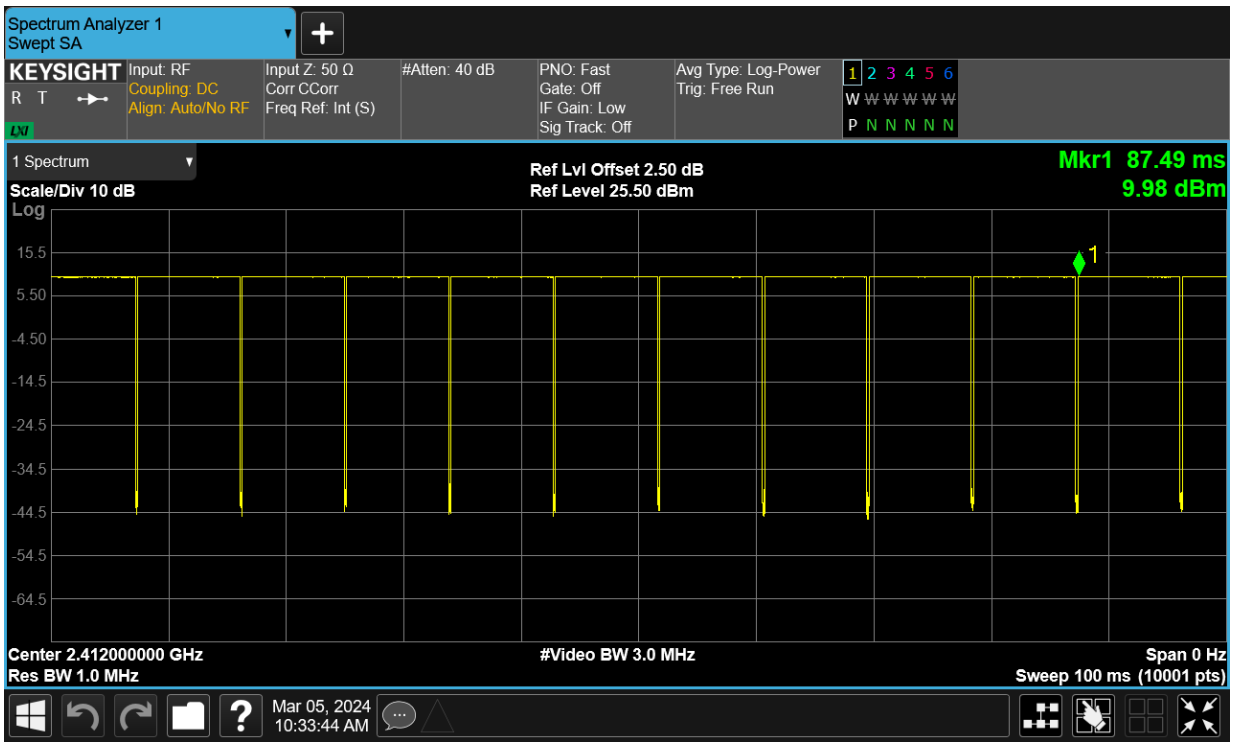
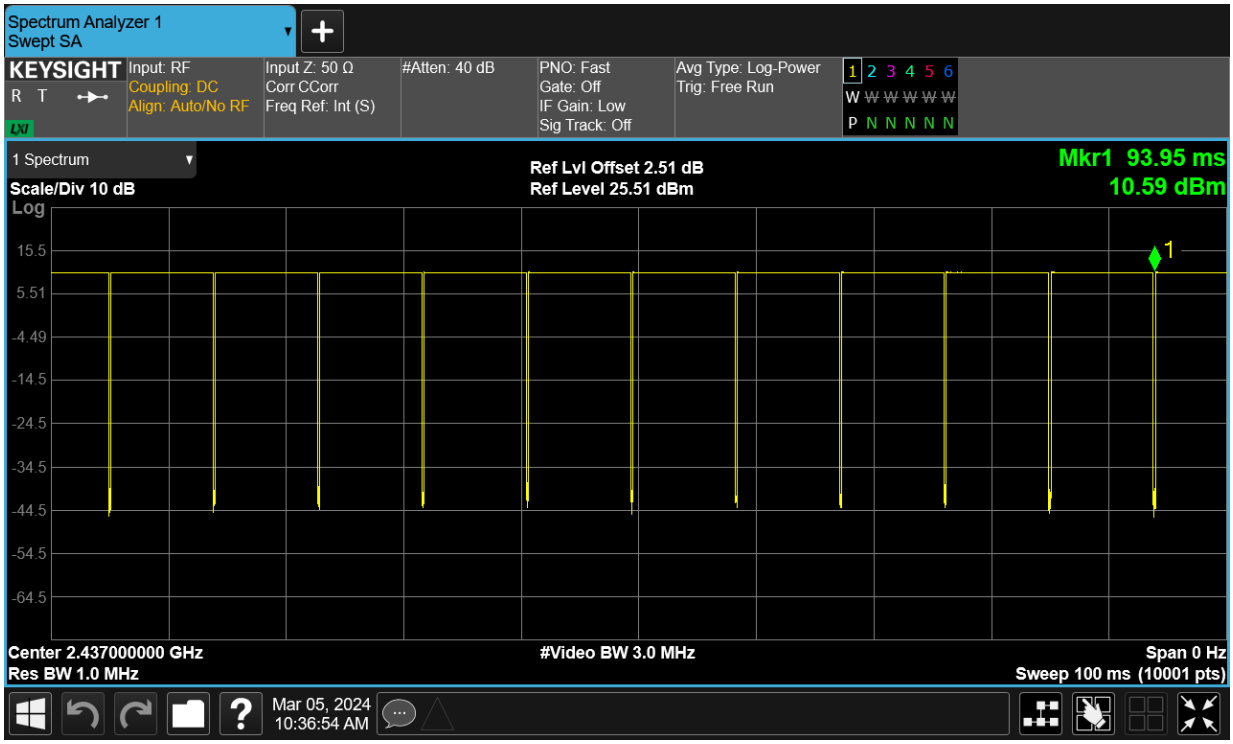


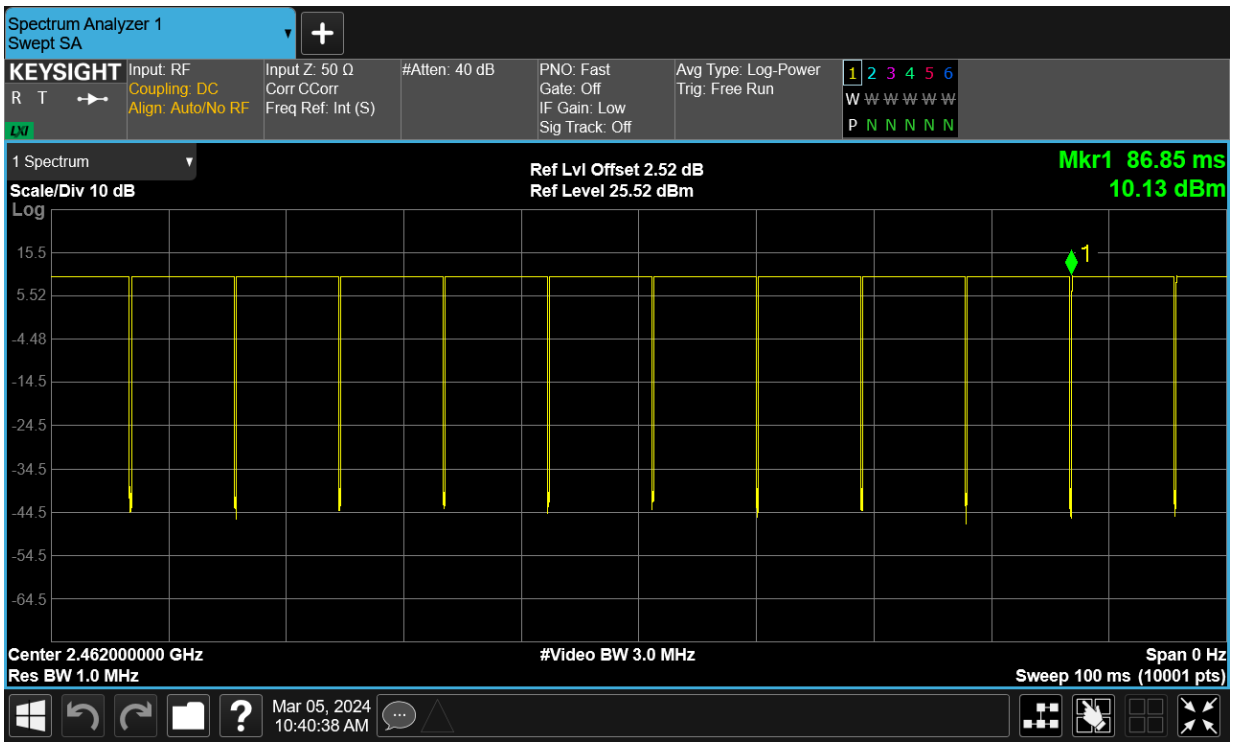

Duty Cycle NVNT b 2412MHz Ant2



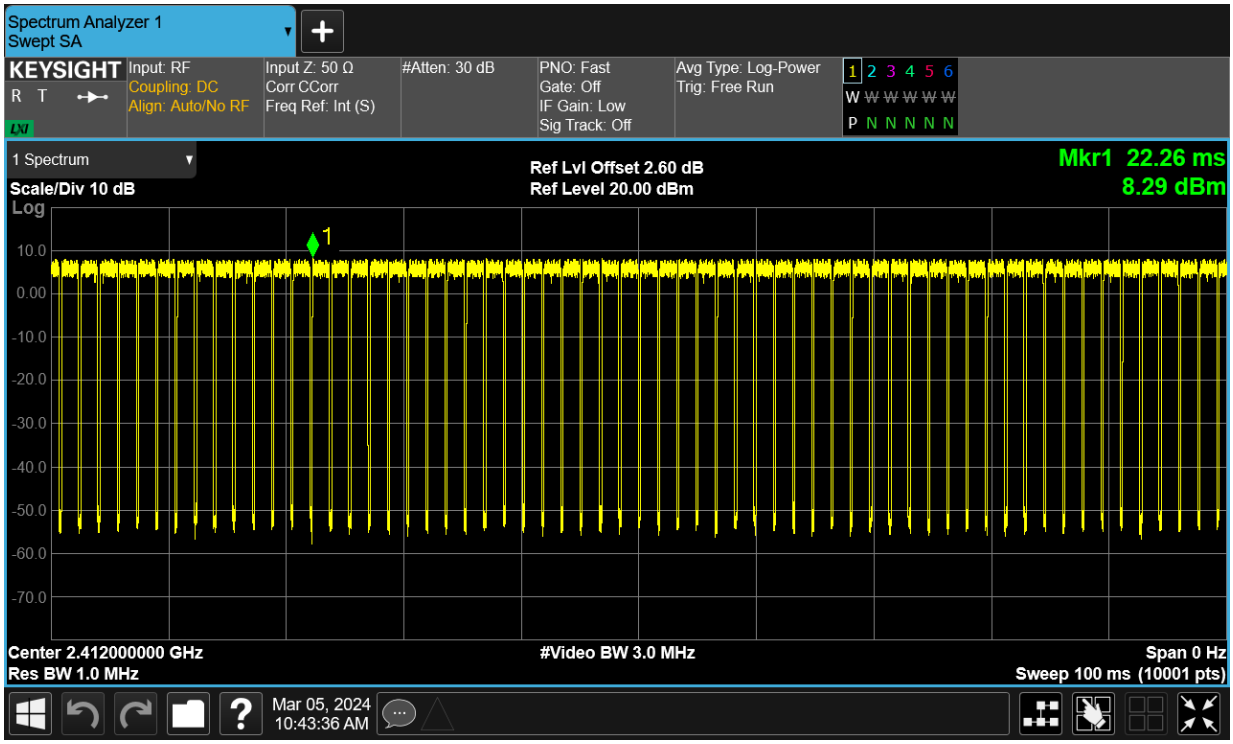

Duty Cycle NVNT b 2437MHz Ant2



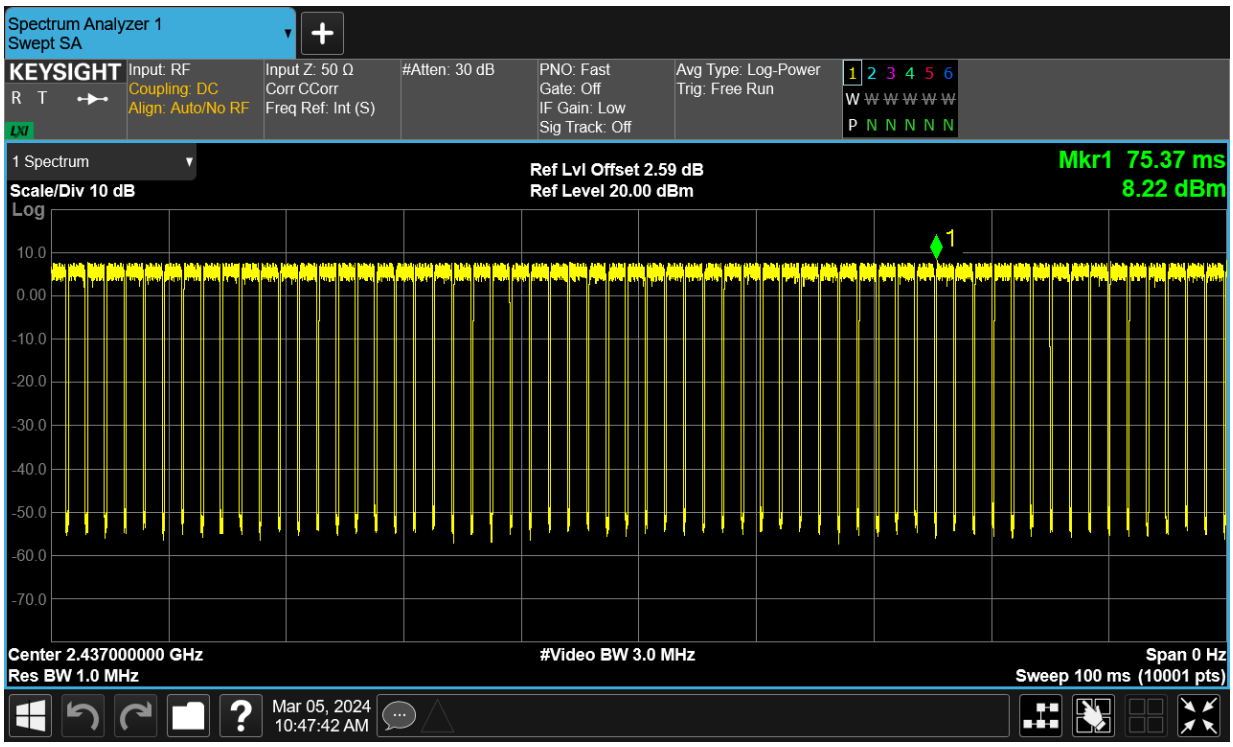

Duty Cycle NVNT b 2462MHz Ant2



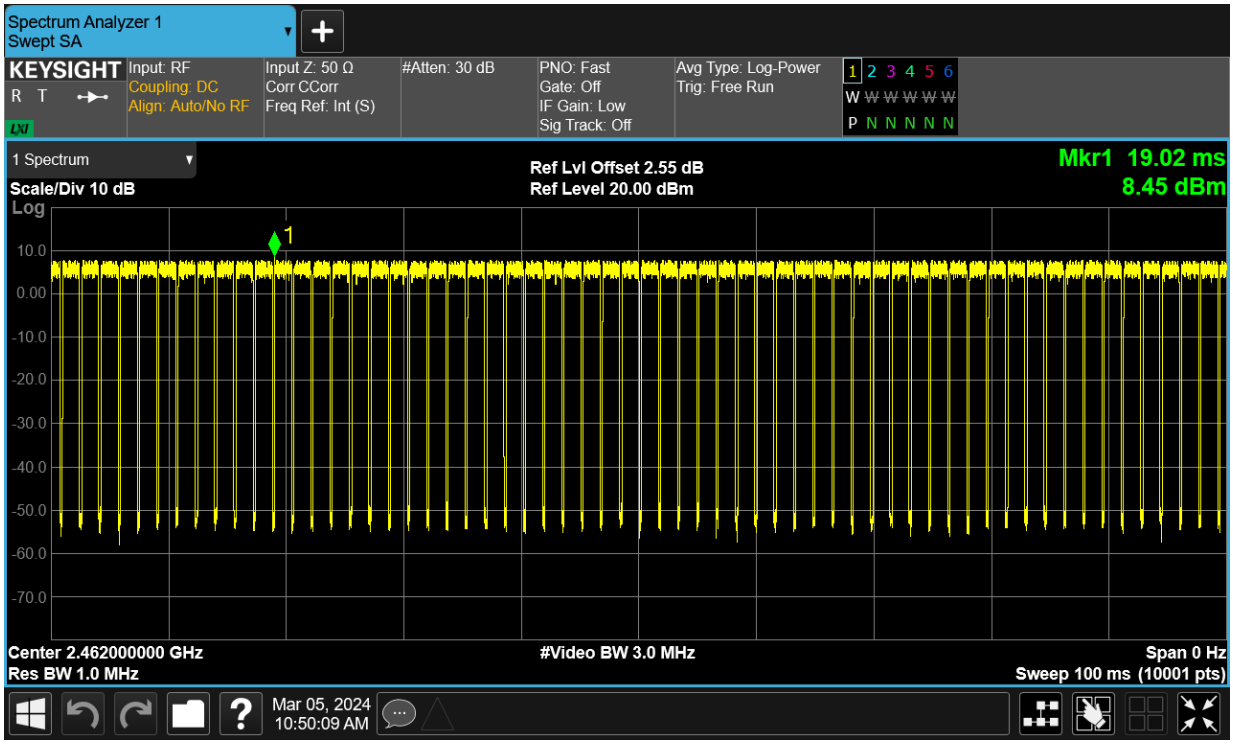

Duty Cycle NVNT g 2412MHz Ant1



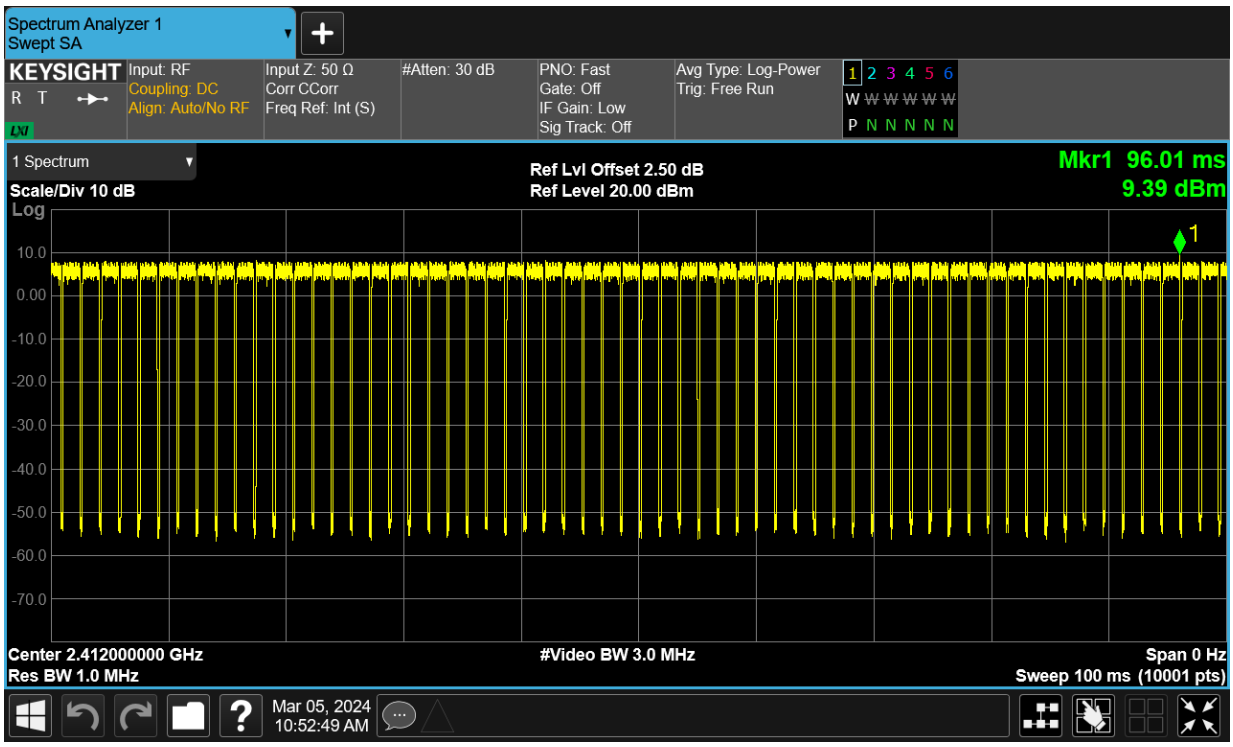

Duty Cycle NVNT g 2437MHz Ant1



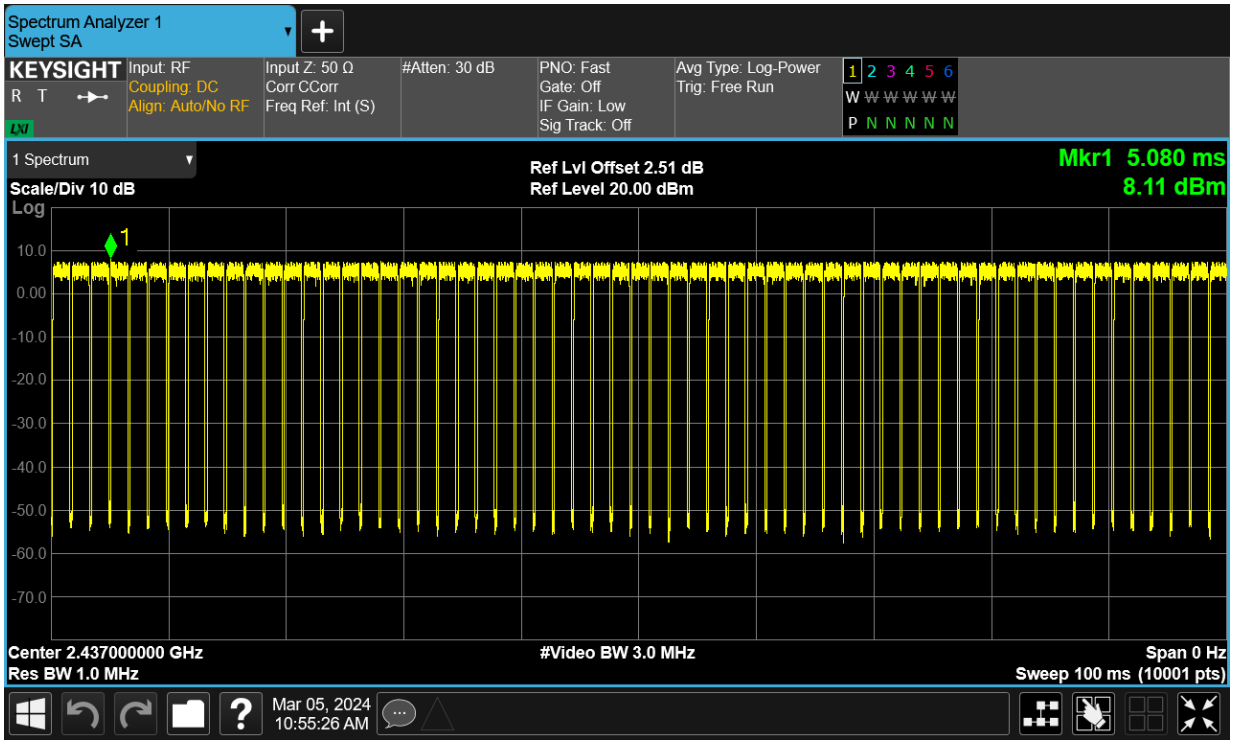

Duty Cycle NVNT g 2462MHz Ant1



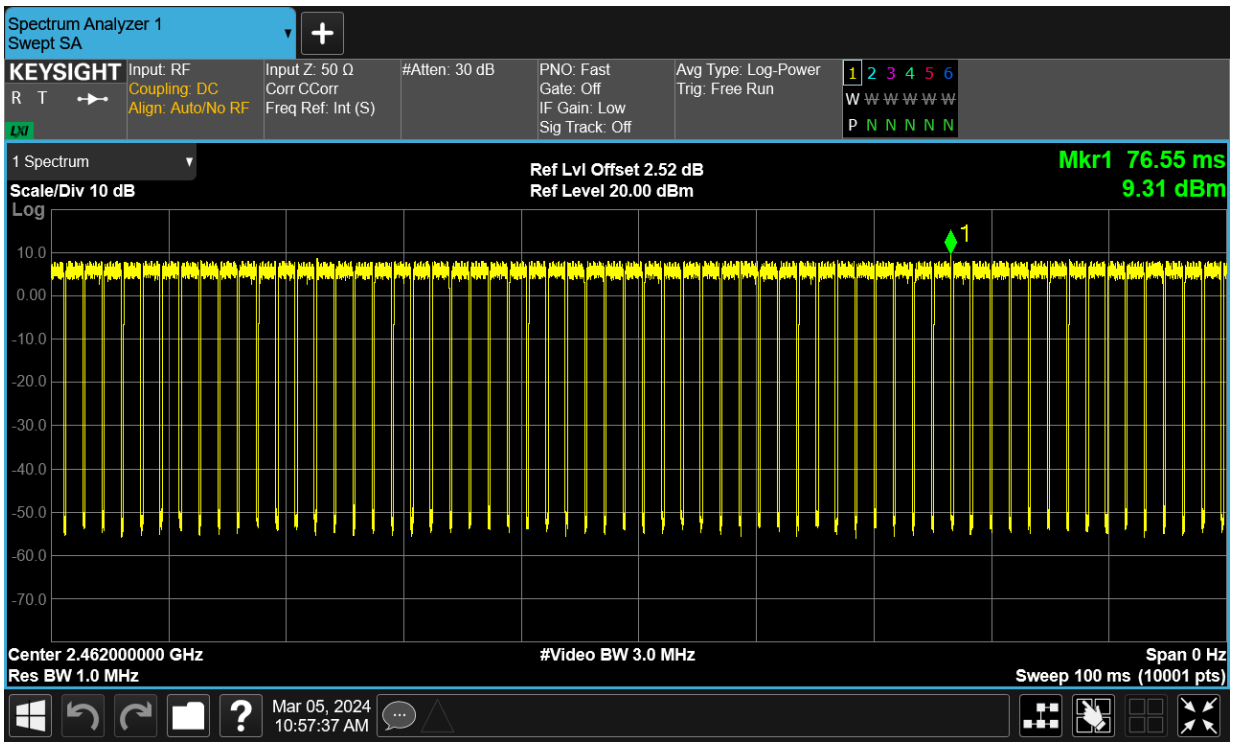

Duty Cycle NVNT g 2412MHz Ant2



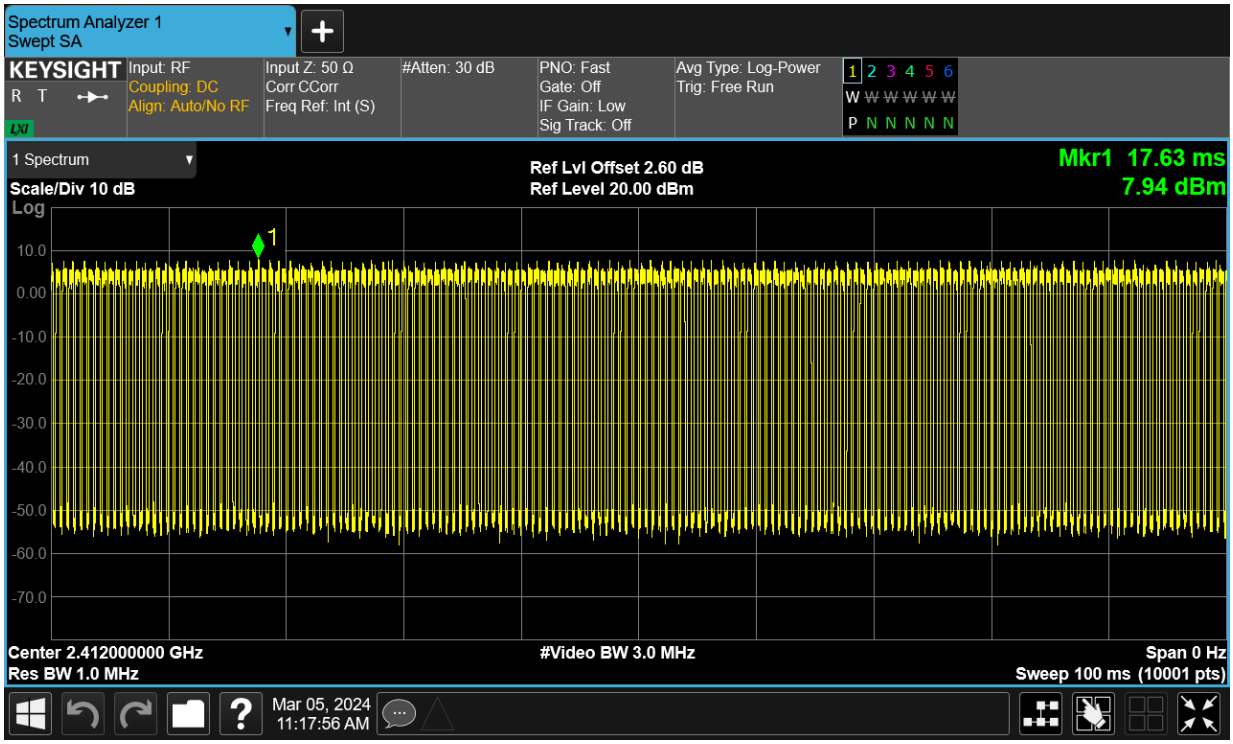

Duty Cycle NVNT g 2437MHz Ant2



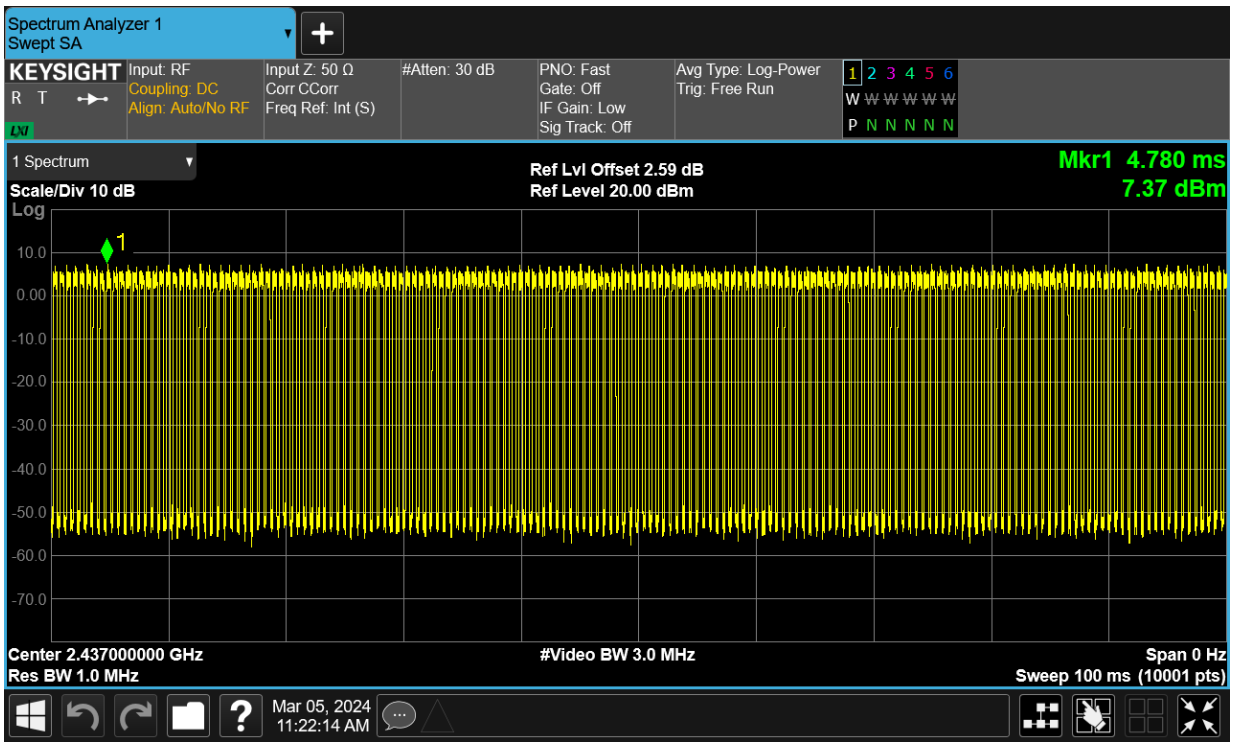

Duty Cycle NVNT g 2462MHz Ant2



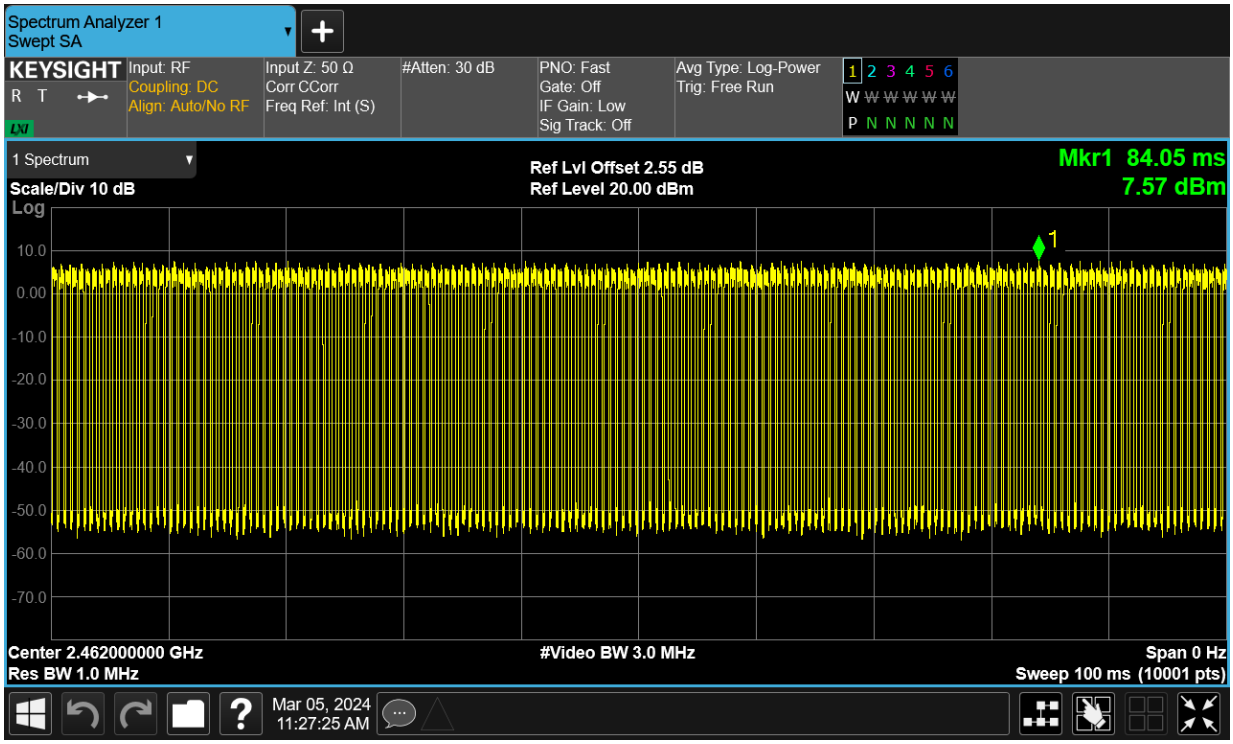

Duty Cycle NVNT n20 2412MHz Sum




Duty Cycle NVNT n20 2437MHz Sum




Duty Cycle NVNT n20 2462MHz Sum




Duty Cycle NVNT n40 2422MHz Sum


Duty Cycle NVNT n40 2437MHz Sum


Duty Cycle NVNT n40 2452MHz Sum

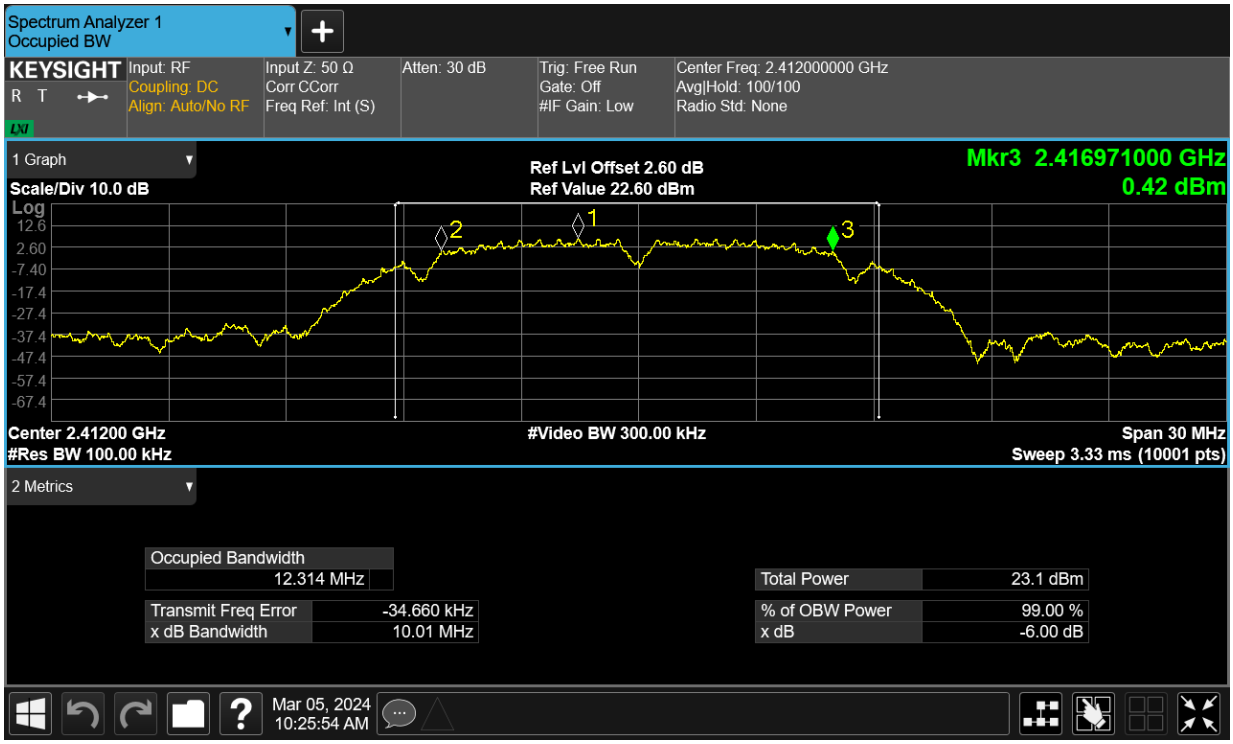
# Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 16.3 | 0.09 | 16.39 | 30 | Pass |
| NVNT | b | 2437 | Ant1 | 17.05 | 0.09 | 17.14 | 30 | Pass |
| NVNT | b | 2462 | Ant1 | 16.94 | 0.09 | 17.03 | 30 | Pass |
| NVNT | b | 2412 | Ant2 | 16.08 | 0.09 | 16.17 | 30 | Pass |
| NVNT | b | 2437 | Ant2 | 16.76 | 0.09 | 16.85 | 30 | Pass |
| NVNT | b | 2462 | Ant2 | 16.45 | 0.08 | 16.53 | 30 | Pass |
| NVNT | g | 2412 | Ant1 | 13.18 | 0.54 | 13.72 | 30 | Pass |
| NVNT | g | 2437 | Ant1 | 13.71 | 0.54 | 14.25 | 30 | Pass |
| NVNT | g | 2462 | Ant1 | 13.47 | 0.54 | 14.01 | 30 | Pass |
| NVNT | g | 2412 | Ant2 | 13.23 | 0.54 | 13.77 | 30 | Pass |
| NVNT | g | 2437 | Ant2 | 12.94 | 0.53 | 13.47 | 30 | Pass |
| NVNT | g | 2462 | Ant2 | 13.54 | 0.54 | 14.08 | 30 | Pass |
| NVNT | n20 | 2412 | Ant1 | 11.58 | 1.78 | 13.36 | 30 | Pass |
| NVNT | n20 | 2412 | Ant2 | 11.87 | 1.78 | 13.65 | 30 | Pass |
| NVNT | n20 | 2412 | Sum | 14.738 | 1.78 | 16.518 | 30 | Pass |
| NVNT | n20 | 2437 | Ant1 | 12.14 | 1.79 | 13.93 | 30 | Pass |
| NVNT | n20 | 2437 | Ant2 | 11.55 | 1.79 | 13.34 | 30 | Pass |
| NVNT | n20 | 2437 | Sum | 14.865 | 1.79 | 16.655 | 30 | Pass |
| NVNT | n20 | 2462 | Ant1 | 11.9 | 1.78 | 13.68 | 30 | Pass |
| NVNT | n20 | 2462 | Ant2 | 12.19 | 1.78 | 13.97 | 30 | Pass |
| NVNT | n20 | 2462 | Sum | 15.058 | 1.78 | 16.838 | 30 | Pass |
| NVNT | n40 | 2422 | Ant1 | 11.51 | 2.83 | 14.34 | 30 | Pass |
| NVNT | n40 | 2422 | Ant2 | 11.26 | 2.83 | 14.09 | 30 | Pass |
| NVNT | n40 | 2422 | Sum | 14.397 | 2.83 | 17.227 | 30 | Pass |
| NVNT | n40 | 2437 | Ant1 | 11.77 | 2.83 | 14.6 | 30 | Pass |
| NVNT | n40 | 2437 | Ant2 | 11.31 | 2.83 | 14.14 | 30 | Pass |
| NVNT | n40 | 2437 | Sum | 14.556 | 2.83 | 17.386 | 30 | Pass |
| NVNT | n40 | 2452 | Ant1 | 11.78 | 2.83 | 14.61 | 30 | Pass |
| NVNT | n40 | 2452 | Ant2 | 11.47 | 2.83 | 14.3 | 30 | Pass |
| NVNT | n40 | 2452 | Sum | 14.638 | 2.83 | 17.468 | 30 | Pass |

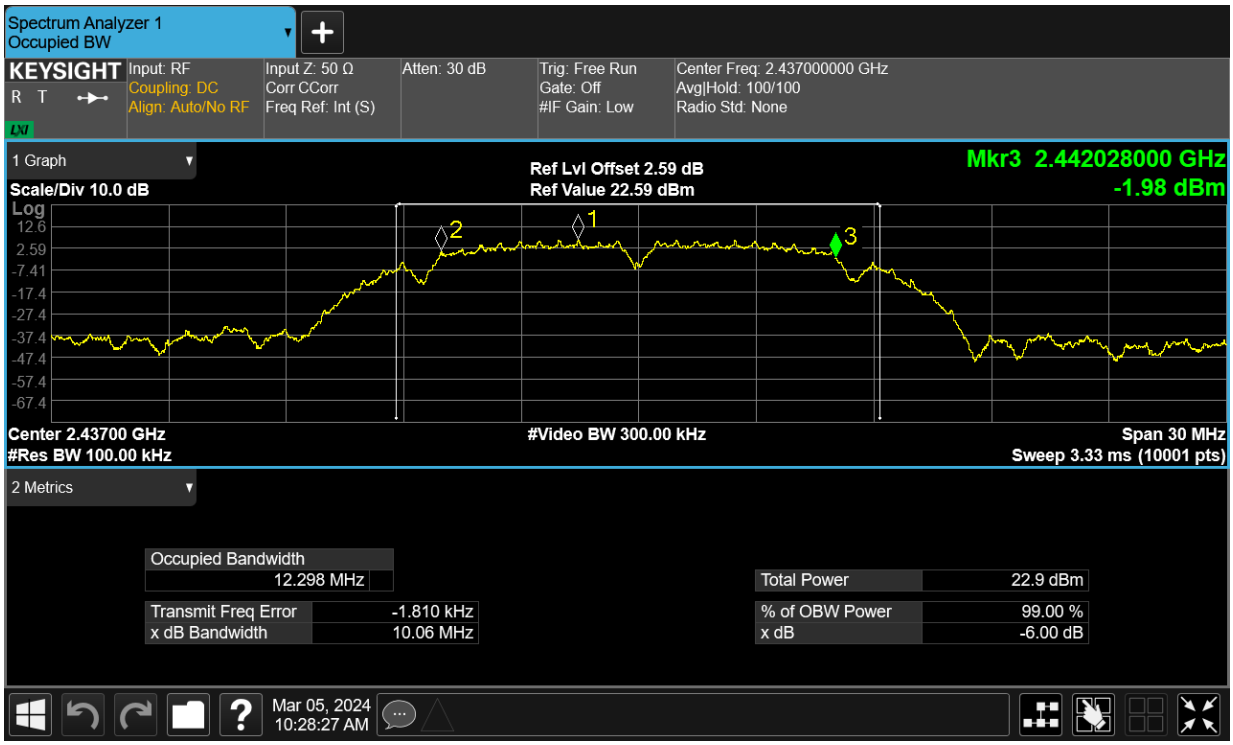
# -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | limit | Verdic |
|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 10.01 | 0.5 | Pass |
| NVNT | b | 2437 | Ant1 | 10.06 | 0.5 | Pass |
| NVNT | b | 2462 | Ant1 | 10.001 | 0.5 | Pass |
| NVNT | b | 2412 | Ant2 | 10.071 | 0.5 | Pass |
| NVNT | b | 2437 | Ant2 | 10.07 | 0.5 | Pass |
| NVNT | b | 2462 | Ant2 | 10.058 | 0.5 | Pass |
| NVNT | g | 2412 | Ant1 | 16.318 | 0.5 | Pass |
| NVNT | g | 2437 | Ant1 | 16.375 | 0.5 | Pass |
| NVNT | g | 2462 | Ant1 | 16.333 | 0.5 | Pass |
| NVNT | g | 2412 | Ant2 | 16.36 | 0.5 | Pass |
| NVNT | g | 2437 | Ant2 | 16.345 | 0.5 | Pass |
| NVNT | g | 2462 | Ant2 | 16.332 | 0.5 | Pass |
| NVNT | n20 | 2412 | Ant1 | 17.598 | 0.5 | Pass |
| NVNT | n20 | 2412 | Ant2 | 17.479 | 0.5 | Pass |
| NVNT | n20 | 2437 | Ant1 | 17.284 | 0.5 | Pass |
| NVNT | n20 | 2437 | Ant2 | 17.673 | 0.5 | Pass |
| NVNT | n20 | 2462 | Ant1 | 17.615 | 0.5 | Pass |
| NVNT | n20 | 2462 | Ant2 | 17.603 | 0.5 | Pass |
| NVNT | n40 | 2422 | Ant1 | 36.404 | 0.5 | Pass |
| NVNT | n40 | 2422 | Ant2 | 36.432 | 0.5 | Pass |
| NVNT | n40 | 2437 | Ant1 | 36.445 | 0.5 | Pass |
| NVNT | n40 | 2437 | Ant2 | 36.434 | 0.5 | Pass |
| NVNT | n40 | 2452 | Ant1 | 36.374 | 0.5 | Pass |
| NVNT | n40 | 2452 | Ant2 | 36.338 | 0.5 | Pass |

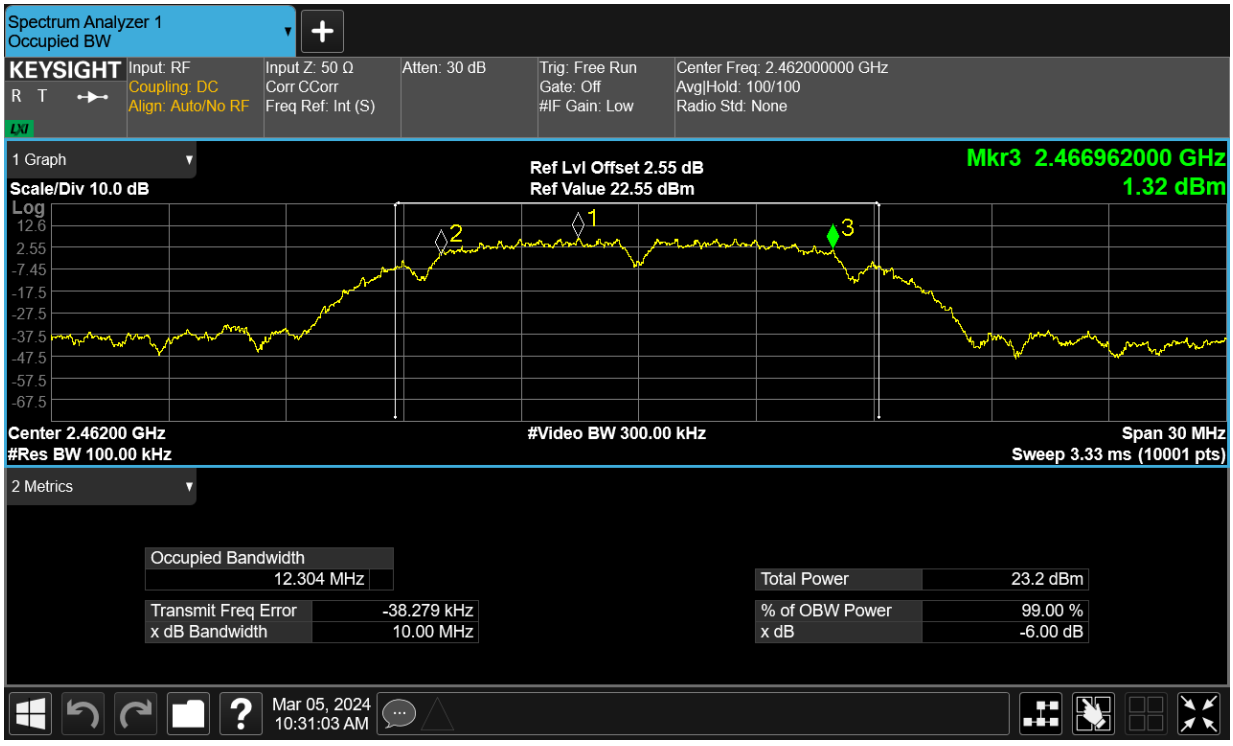
| Test Graphs |
| --- |
| -6dB Bandwidth NVNT b 2412MHz Ant1 |




| -6dB Bandwidth NVNT b 2437MHz Ant1 |
| --- |




| -6dB Bandwidth NVNT b 2462MHz Ant1 |
| --- |

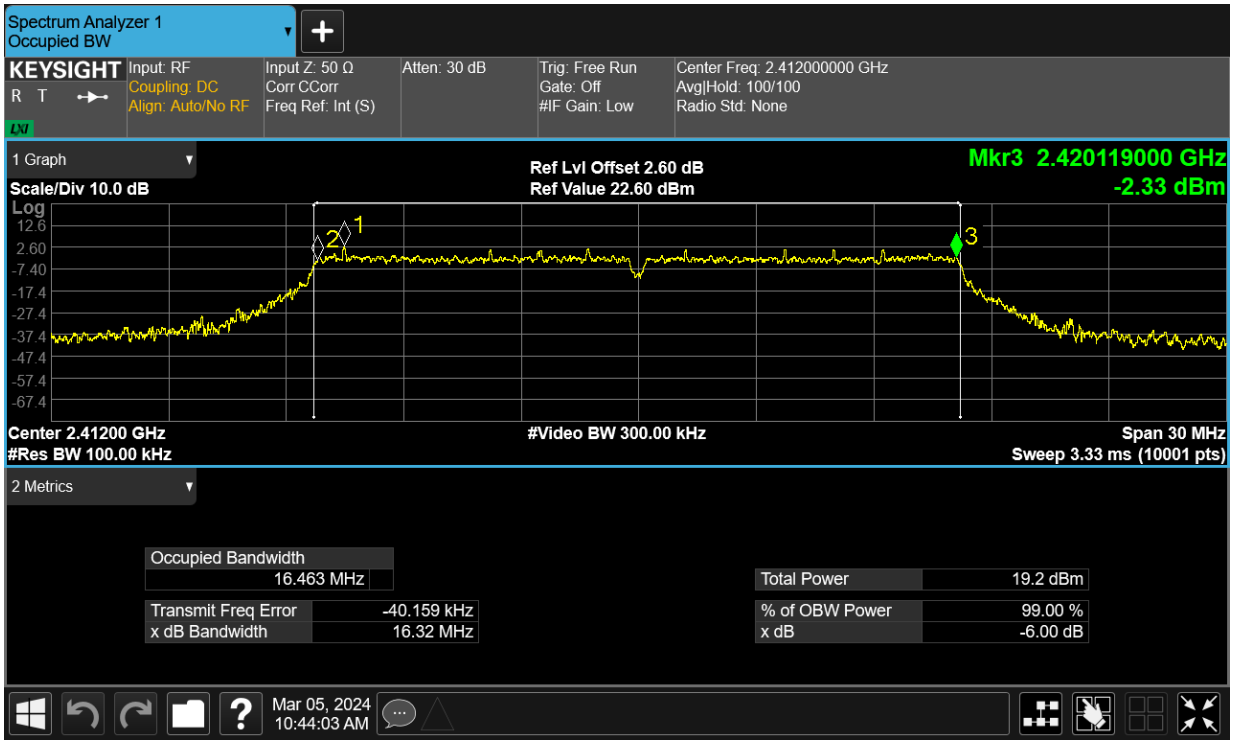



-6dB Bandwidth NVNT b 2412MHz Ant2

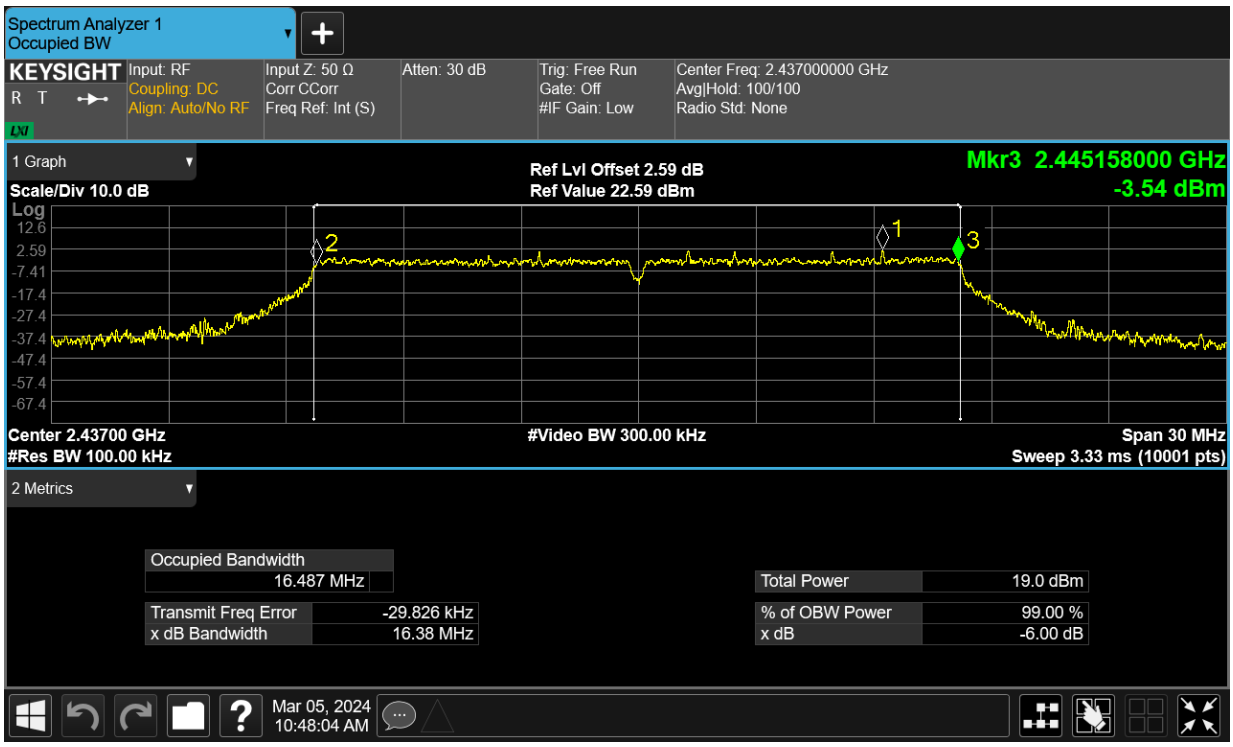

-6dB Bandwidth NVNT b 2437MHz Ant2


-6dB Bandwidth NVNT b 2462MHz Ant2

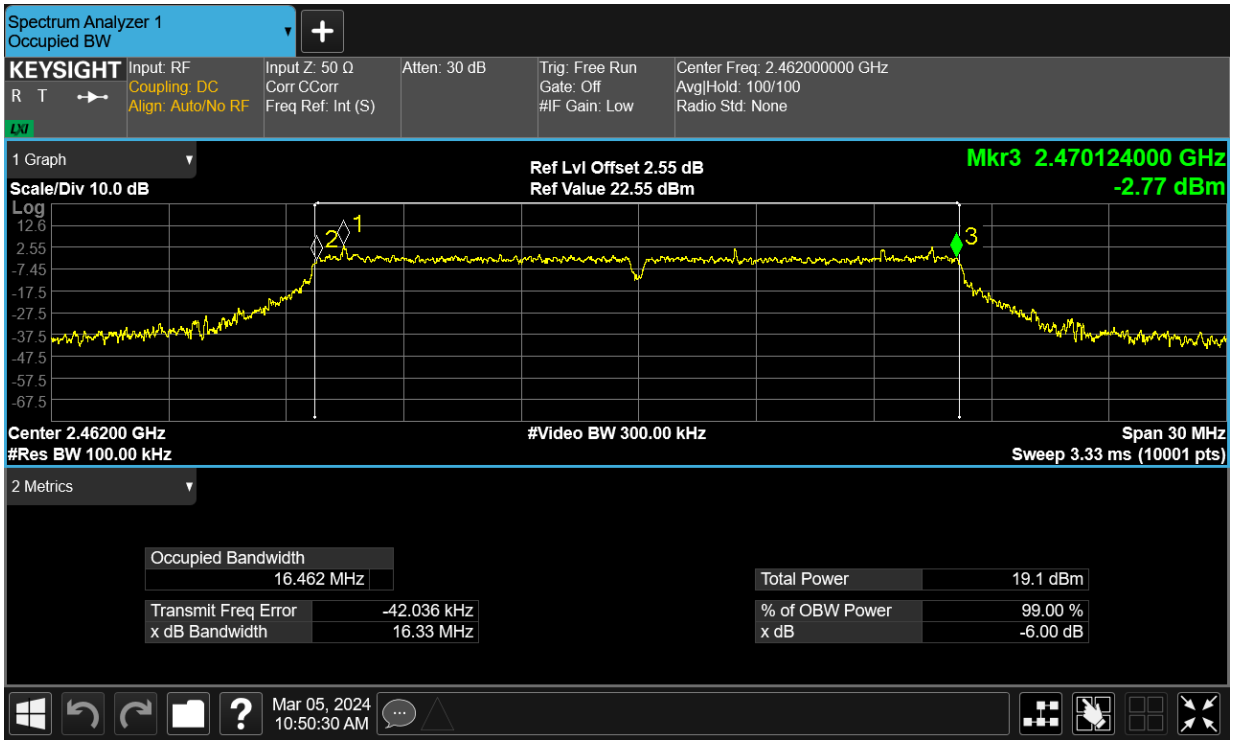

-6dB Bandwidth NVNT g 2412MHz Ant1



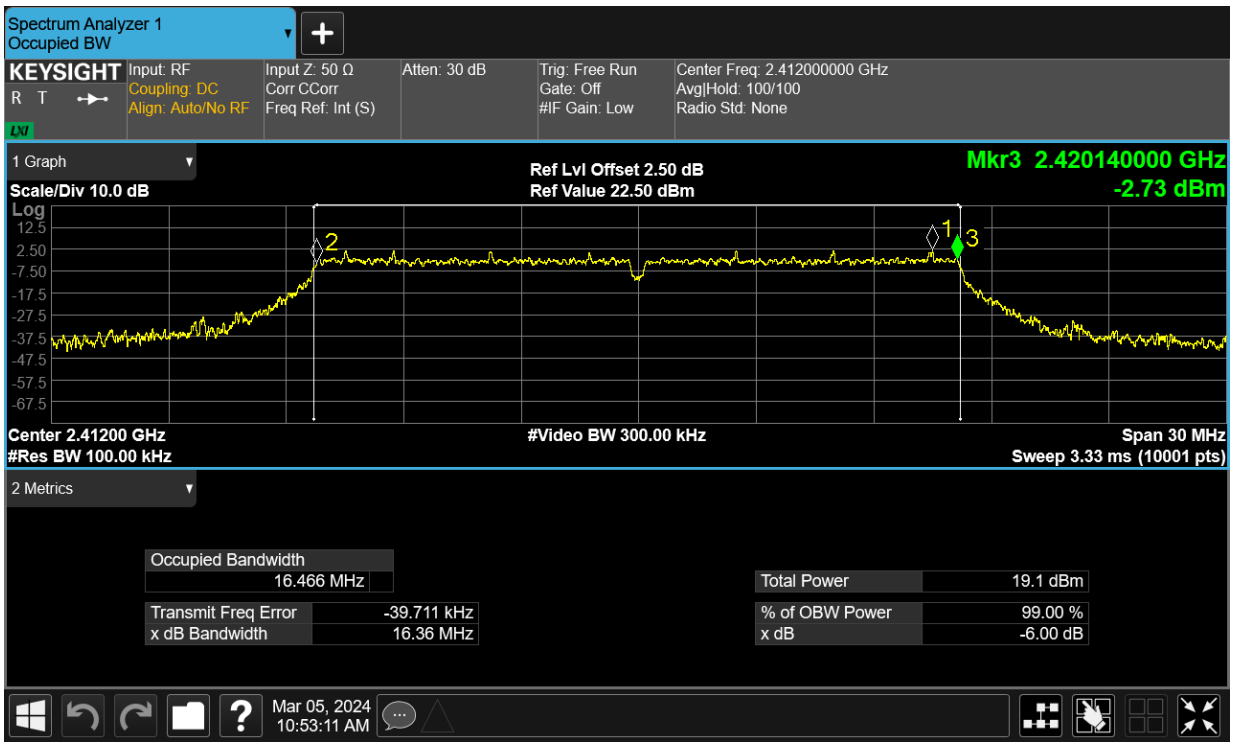

-6dB Bandwidth NVNT g 2437MHz Ant1



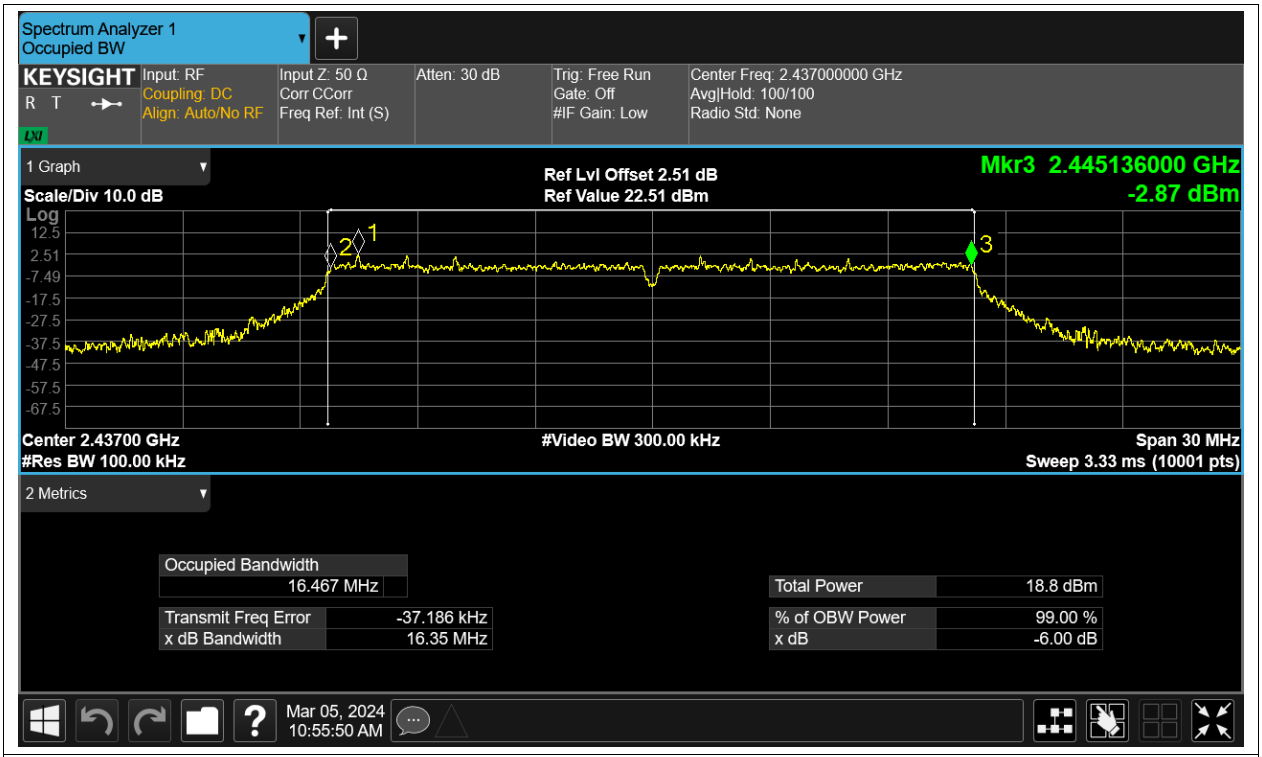

-6dB Bandwidth NVNT g 2462MHz Ant1



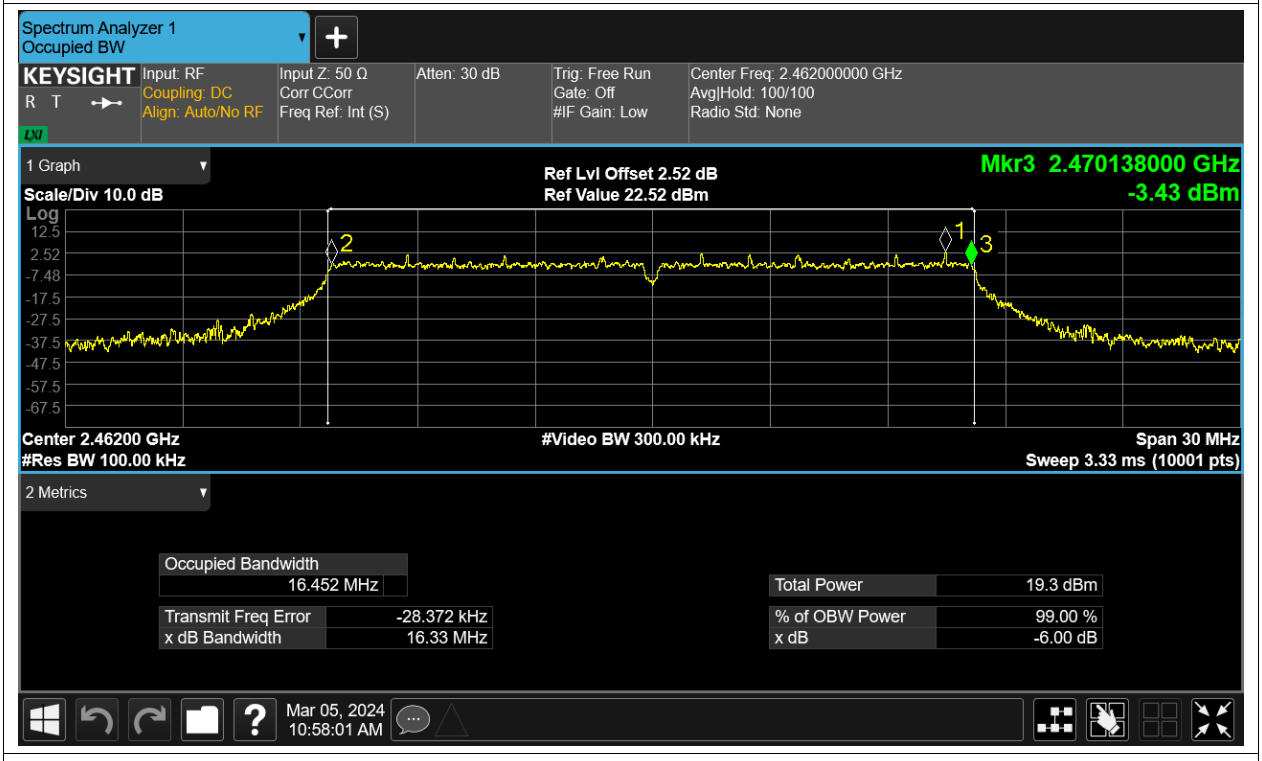

-6dB Bandwidth NVNT g 2412MHz Ant2



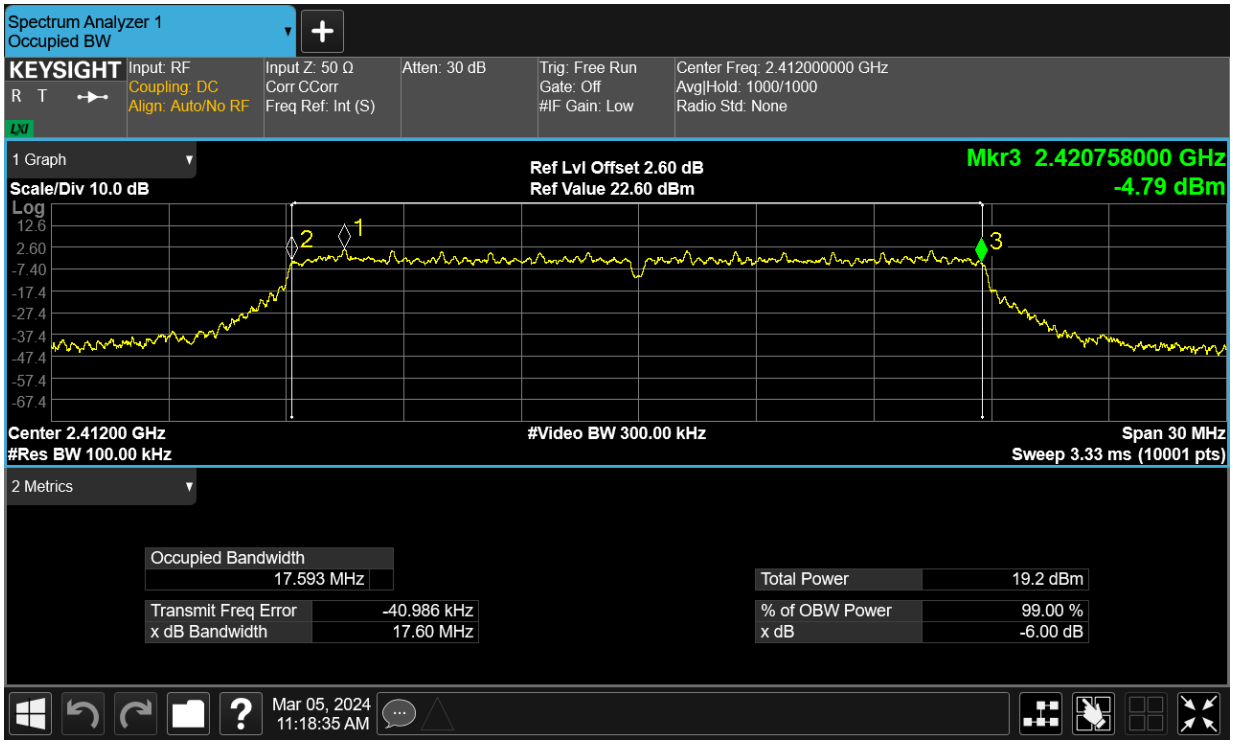

-6dB Bandwidth NVNT g 2437MHz Ant2



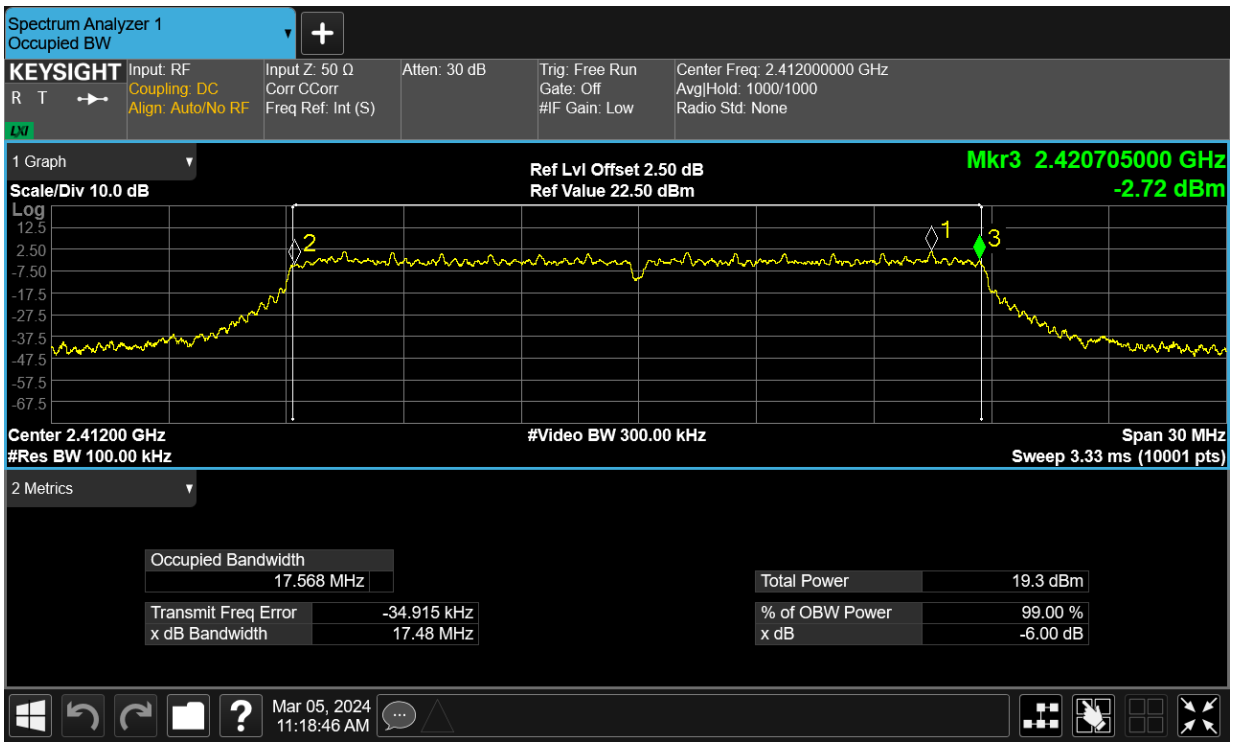

-6dB Bandwidth NVNT g 2462MHz Ant2



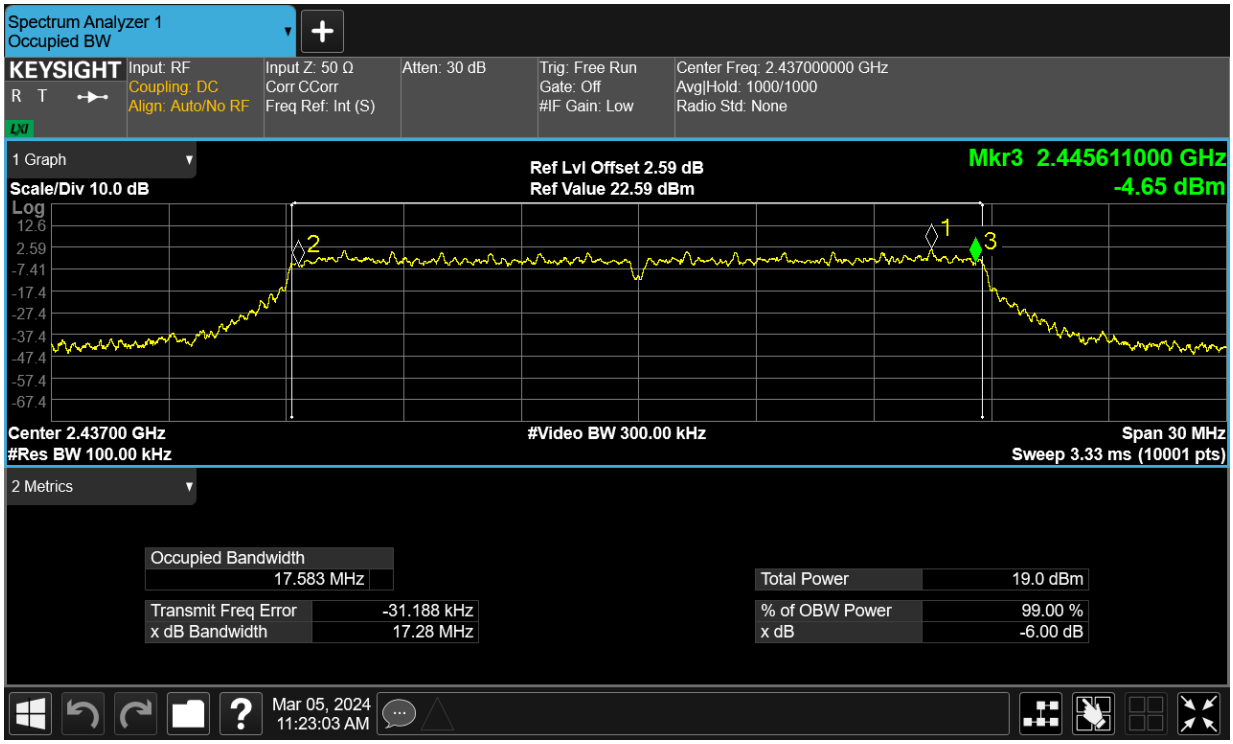

-6dB Bandwidth NVNT n20 2412MHz Ant1



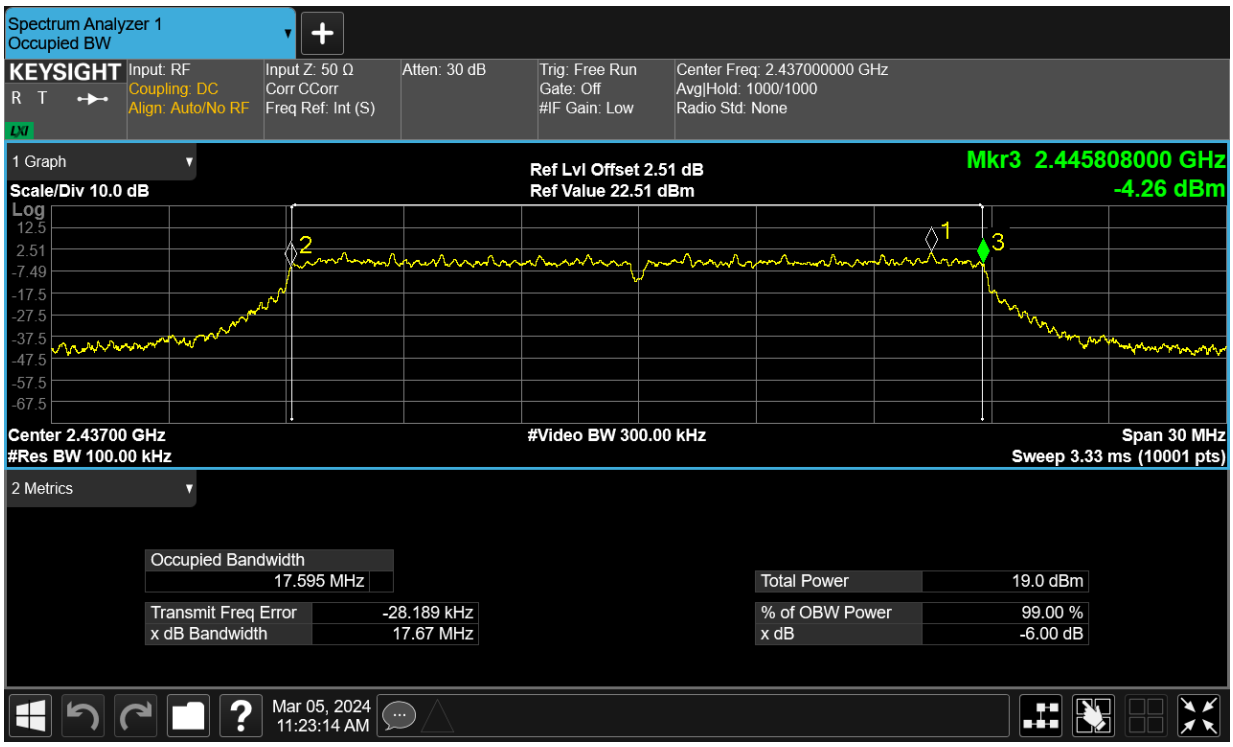

-6dB Bandwidth NVNT n20 2412MHz Ant2



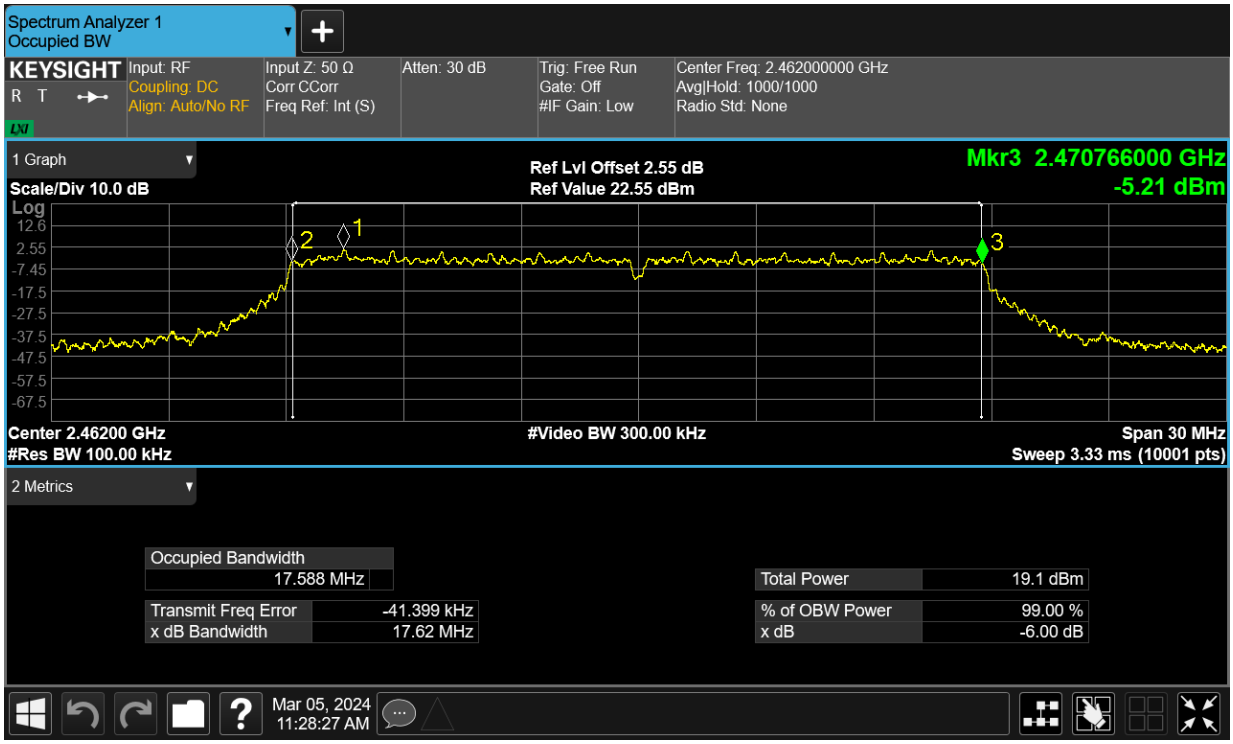

-6dB Bandwidth NVNT n20 2437MHz Ant1



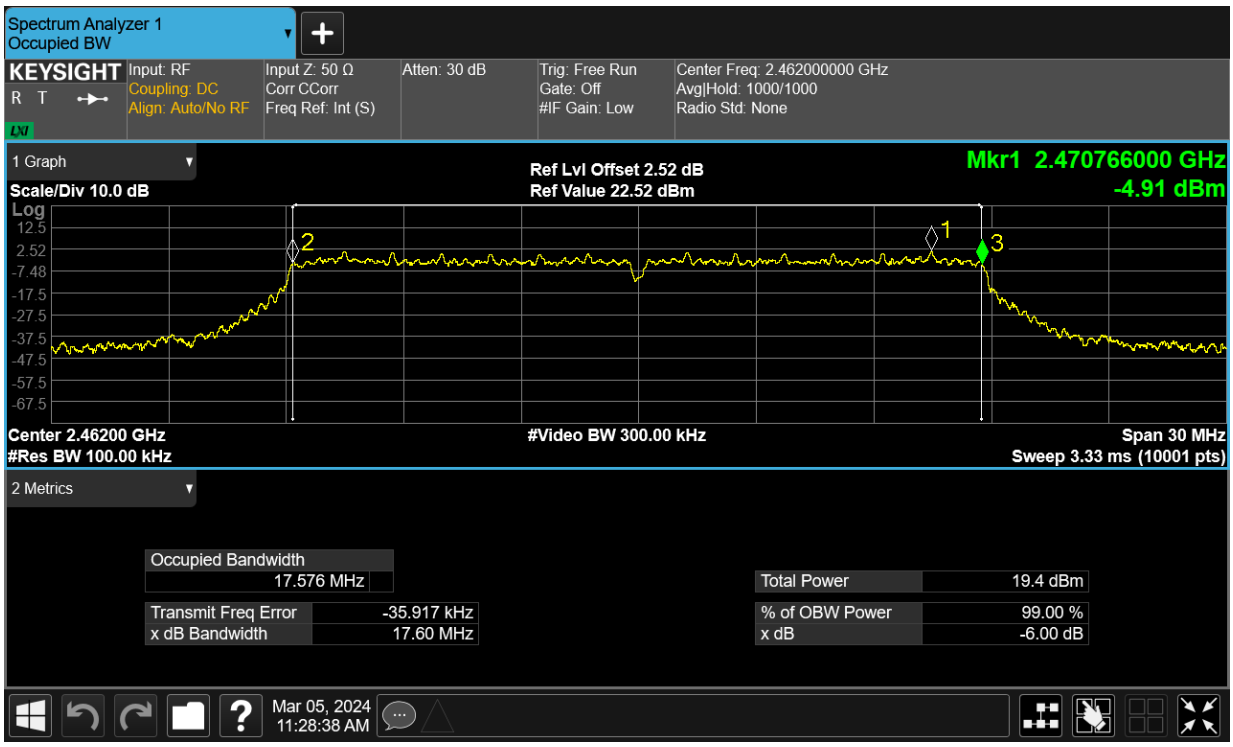

-6dB Bandwidth NVNT n20 2437MHz Ant2



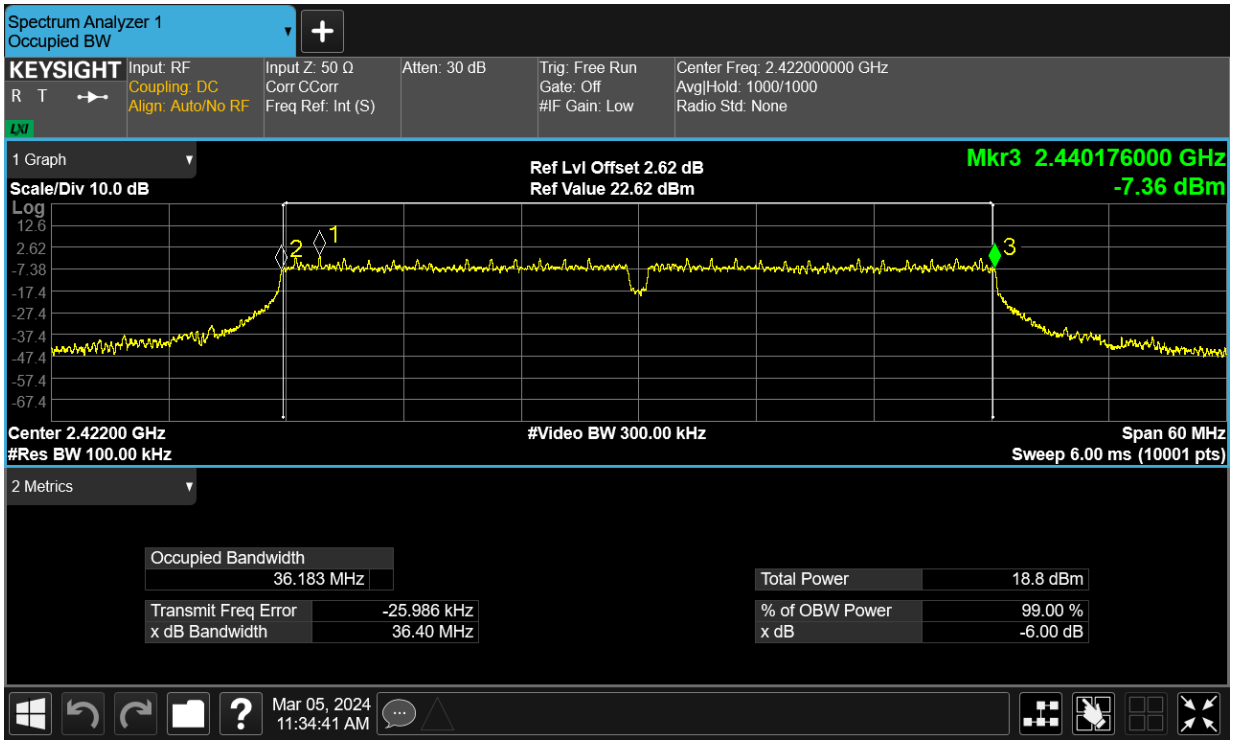

-6dB Bandwidth NVNT n20 2462MHz Ant1



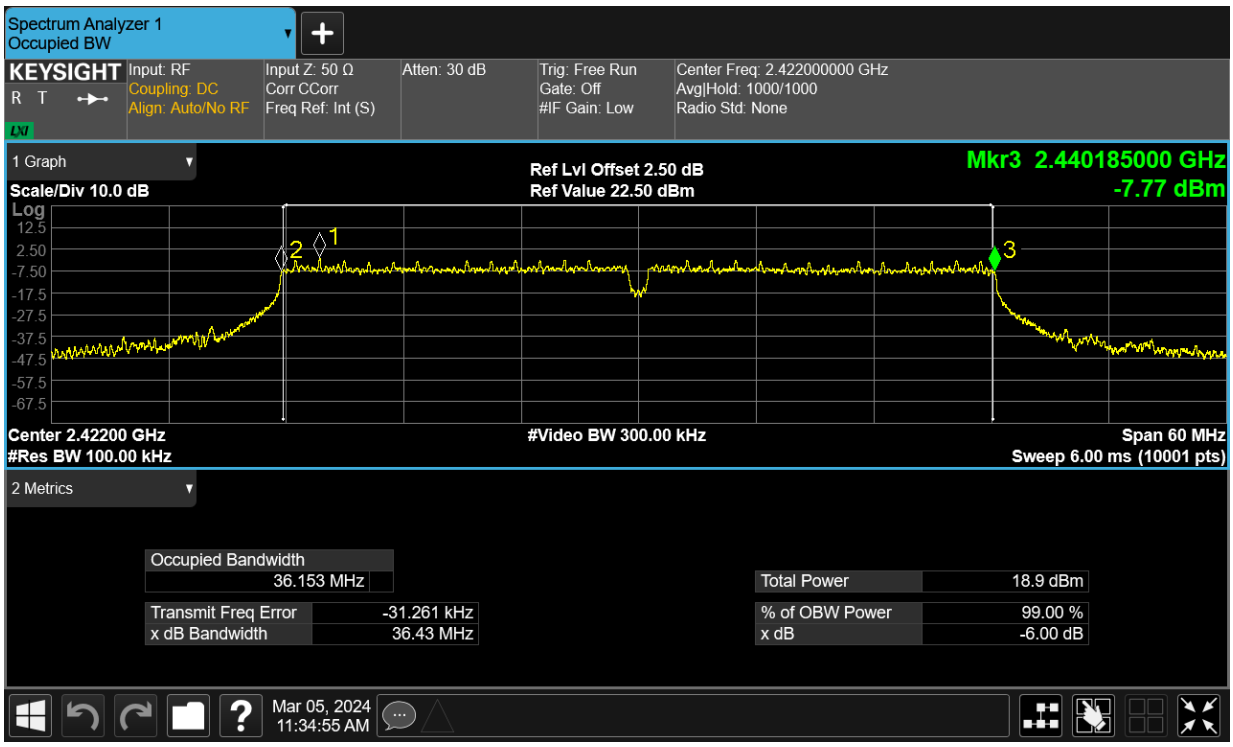

-6dB Bandwidth NVNT n20 2462MHz Ant2



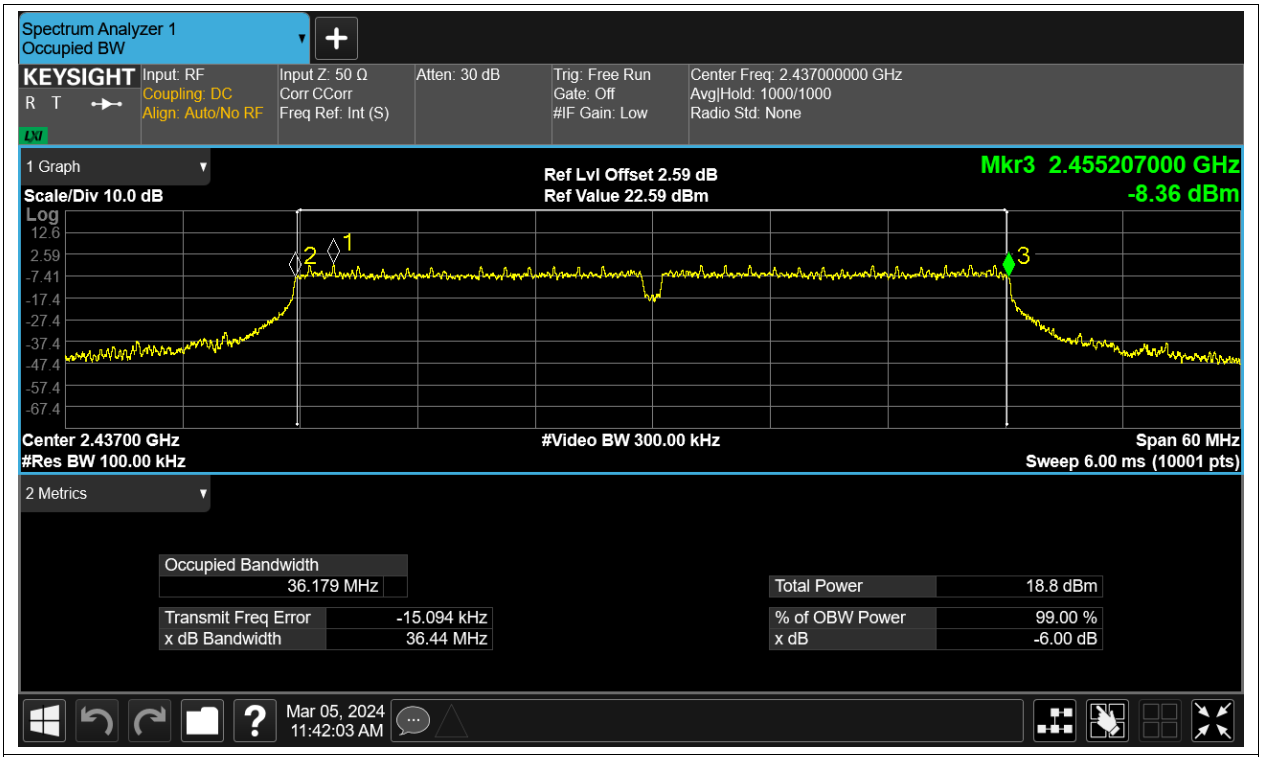

-6dB Bandwidth NVNT n40 2422MHz Ant1



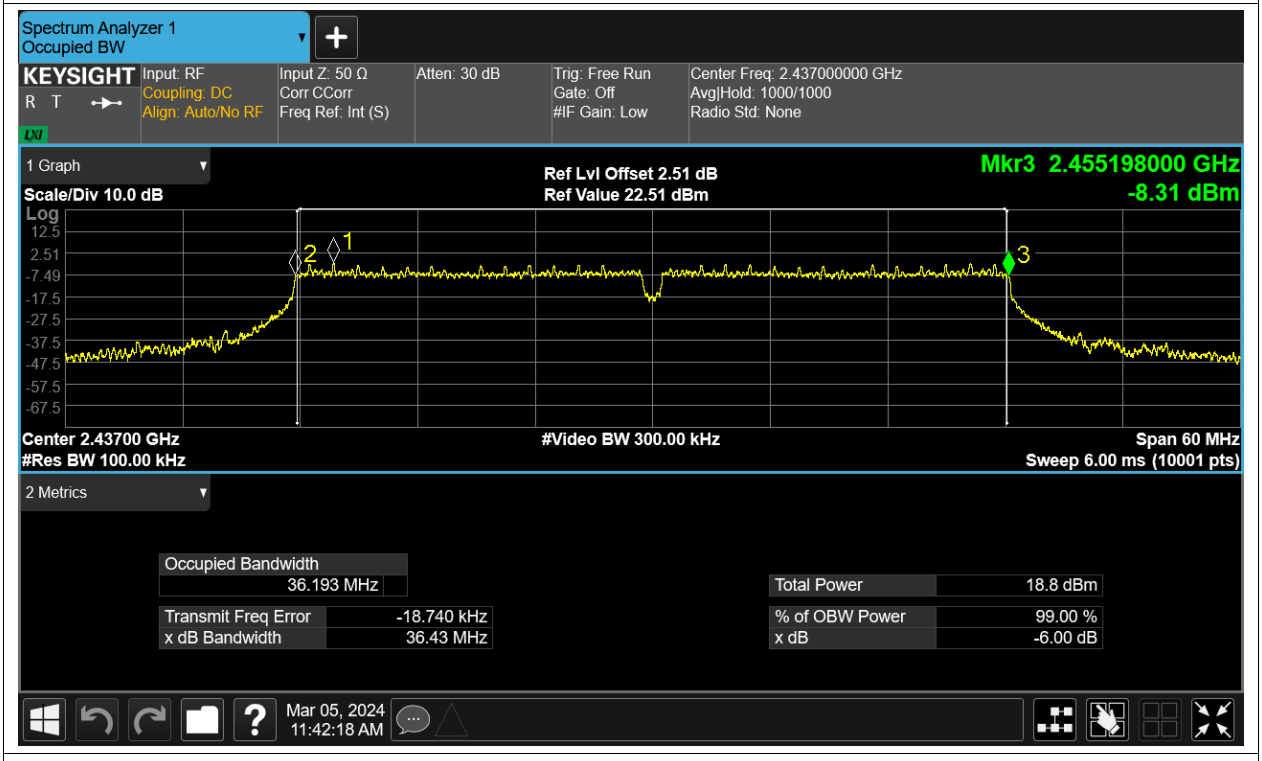

-6dB Bandwidth NVNT n40 2422MHz Ant2



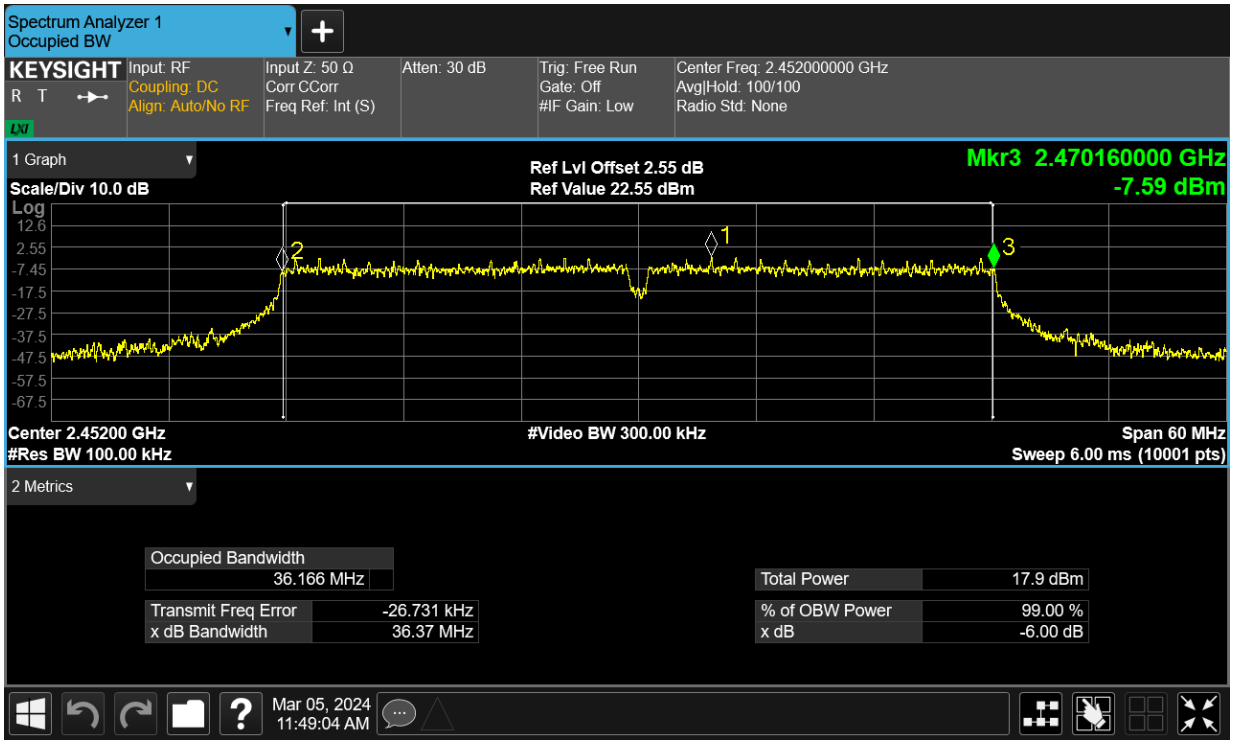

-6dB Bandwidth NVNT n40 2437MHz Ant1



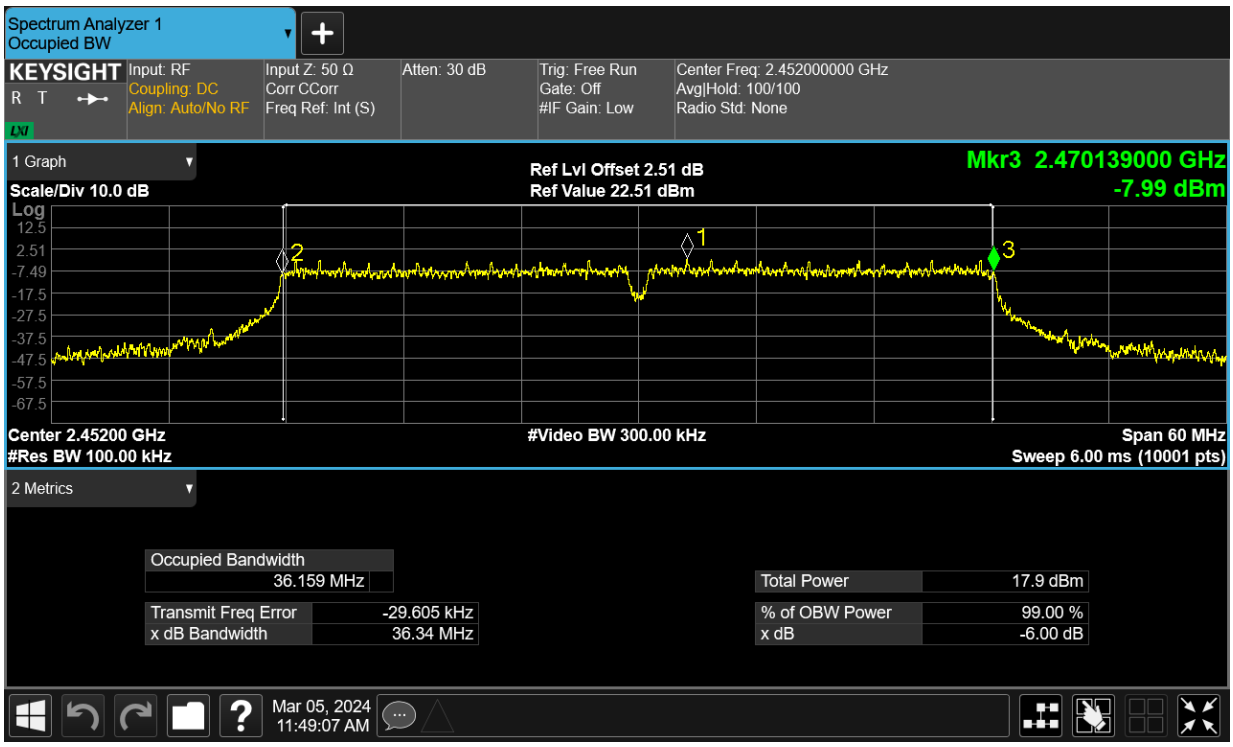

-6dB Bandwidth NVNT n40 2437MHz Ant2




-6dB Bandwidth NVNT n40 2452MHz Ant1



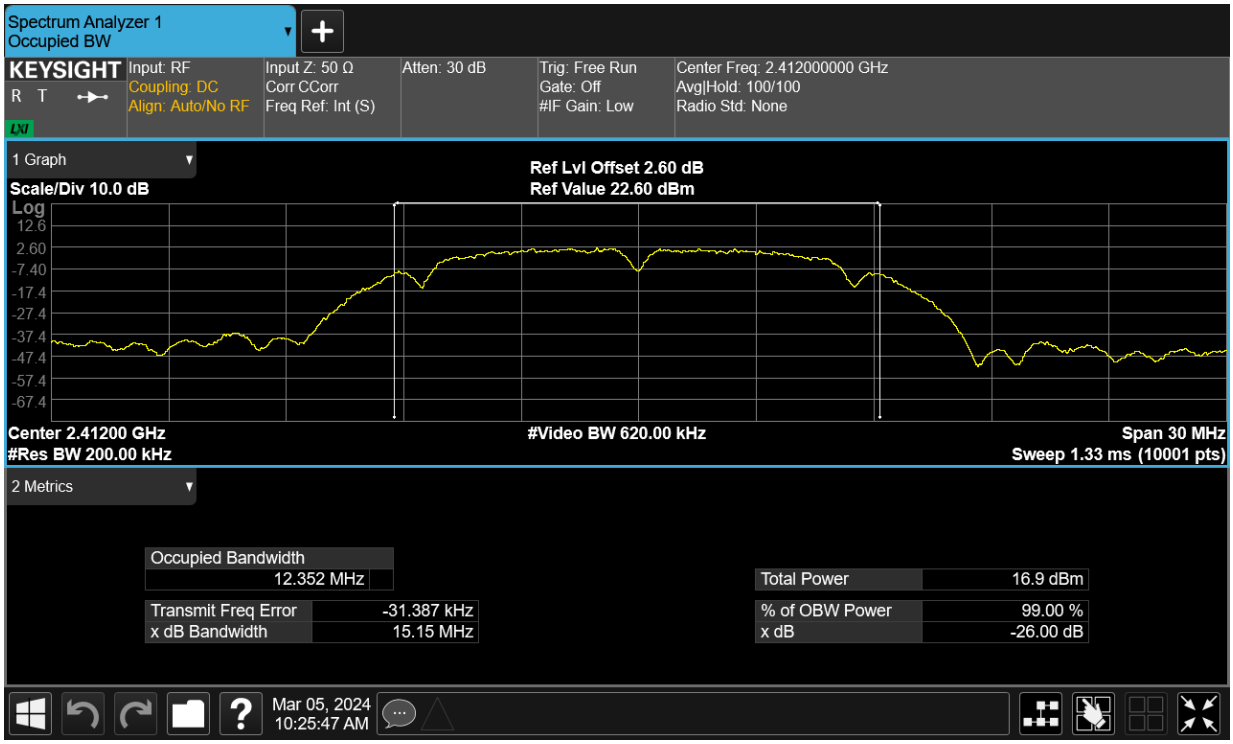

-6dB Bandwidth NVNT n40 2452MHz Ant2



# Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 12.352 |
| NVNT | b | 2437 | Ant1 | 12.292 |
| NVNT | b | 2462 | Ant1 | 12.312 |
| NVNT | b | 2412 | Ant2 | 12.274 |
| NVNT | b | 2437 | Ant2 | 12.22 |
| NVNT | b | 2462 | Ant2 | 12.274 |
| NVNT | g | 2412 | Ant1 | 16.607 |
| NVNT | g | 2437 | Ant1 | 16.62 |
| NVNT | g | 2462 | Ant1 | 16.606 |
| NVNT | g | 2412 | Ant2 | 16.567 |
| NVNT | g | 2437 | Ant2 | 16.607 |
| NVNT | g | 2462 | Ant2 | 16.616 |
| NVNT | n20 | 2412 | Ant1 | 17.615 |
| NVNT | n20 | 2412 | Ant2 | 17.616 |
| NVNT | n20 | 2437 | Ant1 | 17.624 |
| NVNT | n20 | 2437 | Ant2 | 17.617 |
| NVNT | n20 | 2462 | Ant1 | 17.626 |
| NVNT | n20 | 2462 | Ant2 | 17.607 |
| NVNT | n40 | 2422 | Ant1 | 36.414 |
| NVNT | n40 | 2422 | Ant2 | 36.319 |
| NVNT | n40 | 2437 | Ant1 | 36.386 |
| NVNT | n40 | 2437 | Ant2 | 36.387 |
| NVNT | n40 | 2452 | Ant1 | 36.287 |
| NVNT | n40 | 2452 | Ant2 | 36.231 |

| Test Graphs |
| --- |
| OBW NVNT b 2412MHz Ant1 |




| OBW NVNT b 2437MHz Ant1 |
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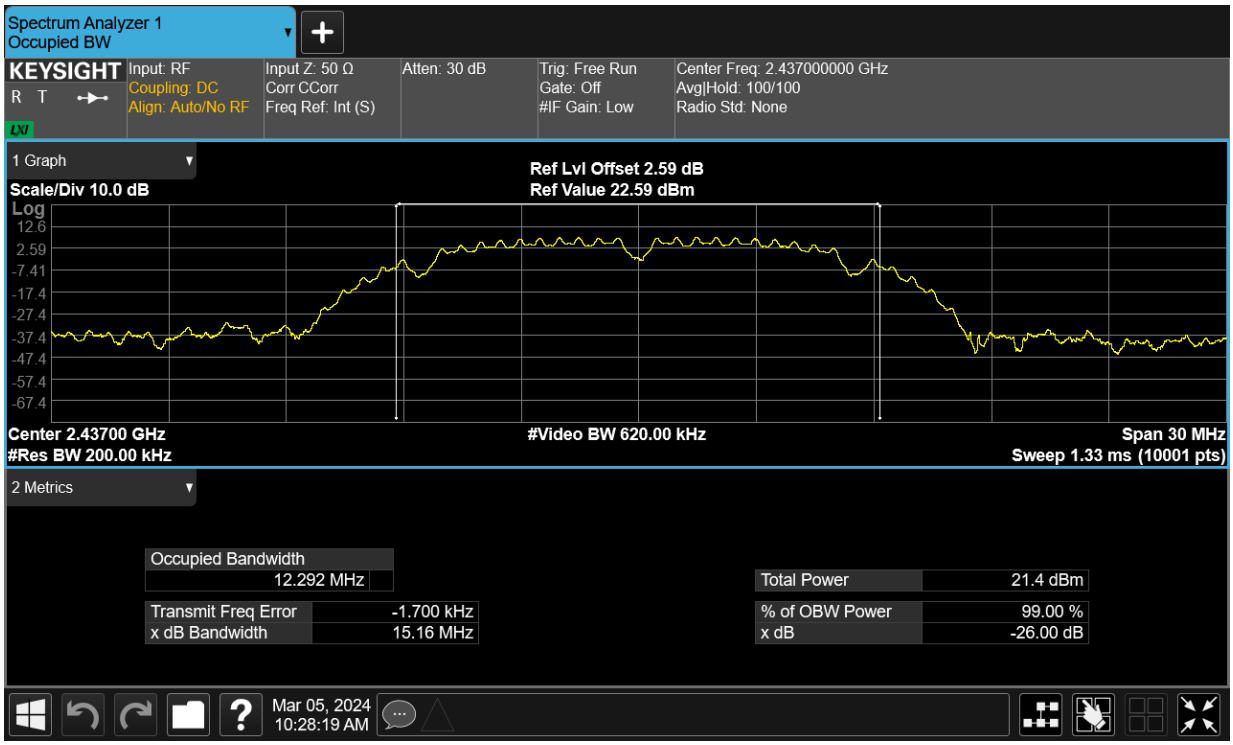
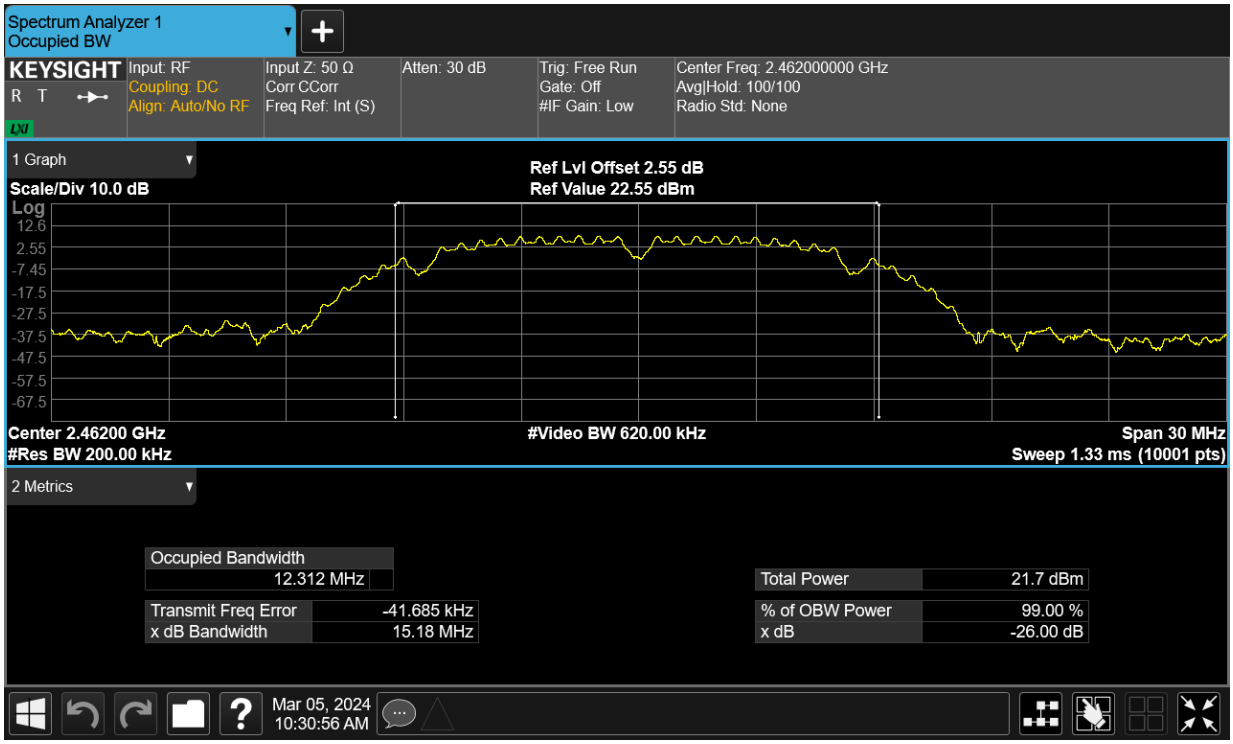
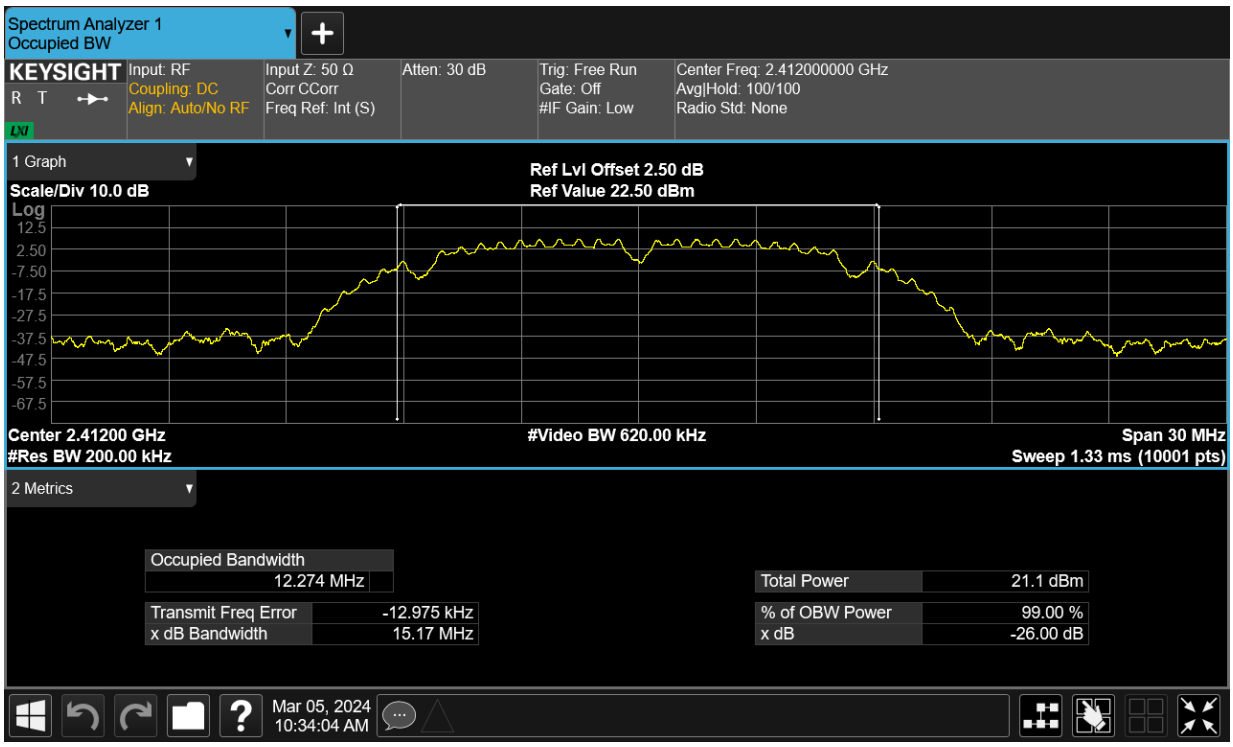


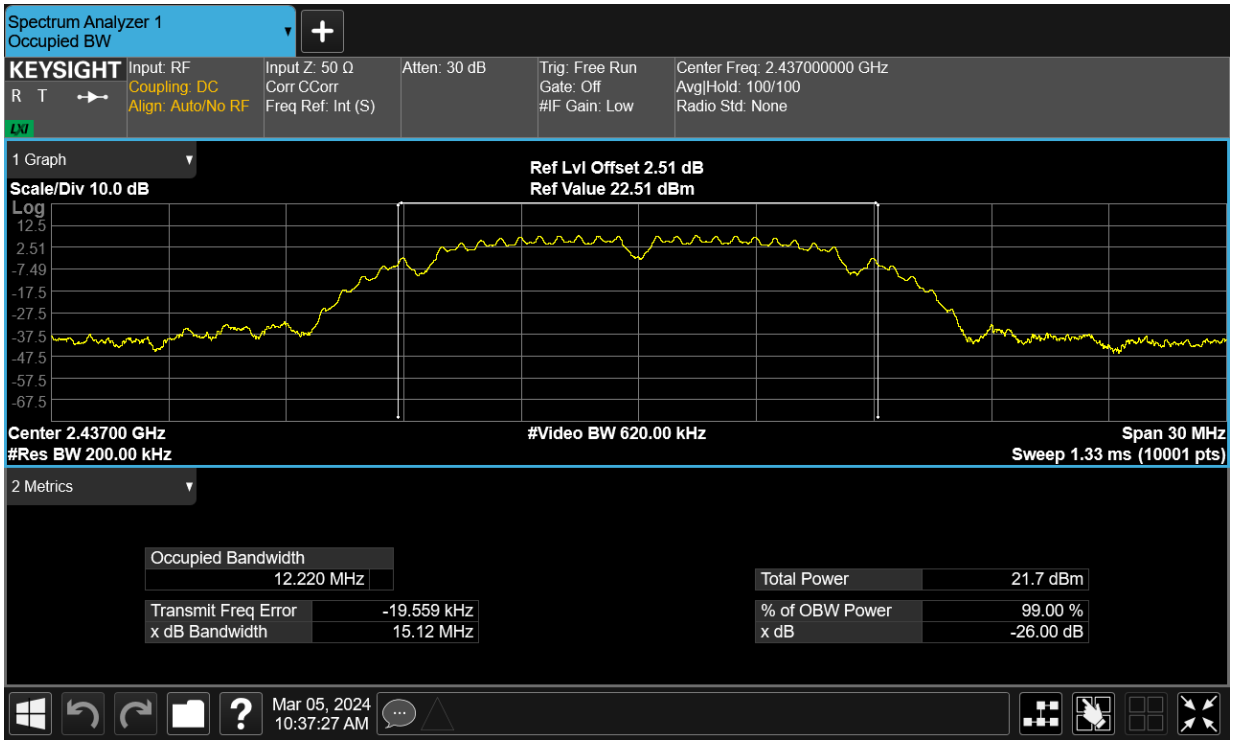

| OBW NVNT b 2462MHz Ant1 |
| --- |




OBW NVNT b 2412MHz Ant2




OBW NVNT b 2437MHz Ant2

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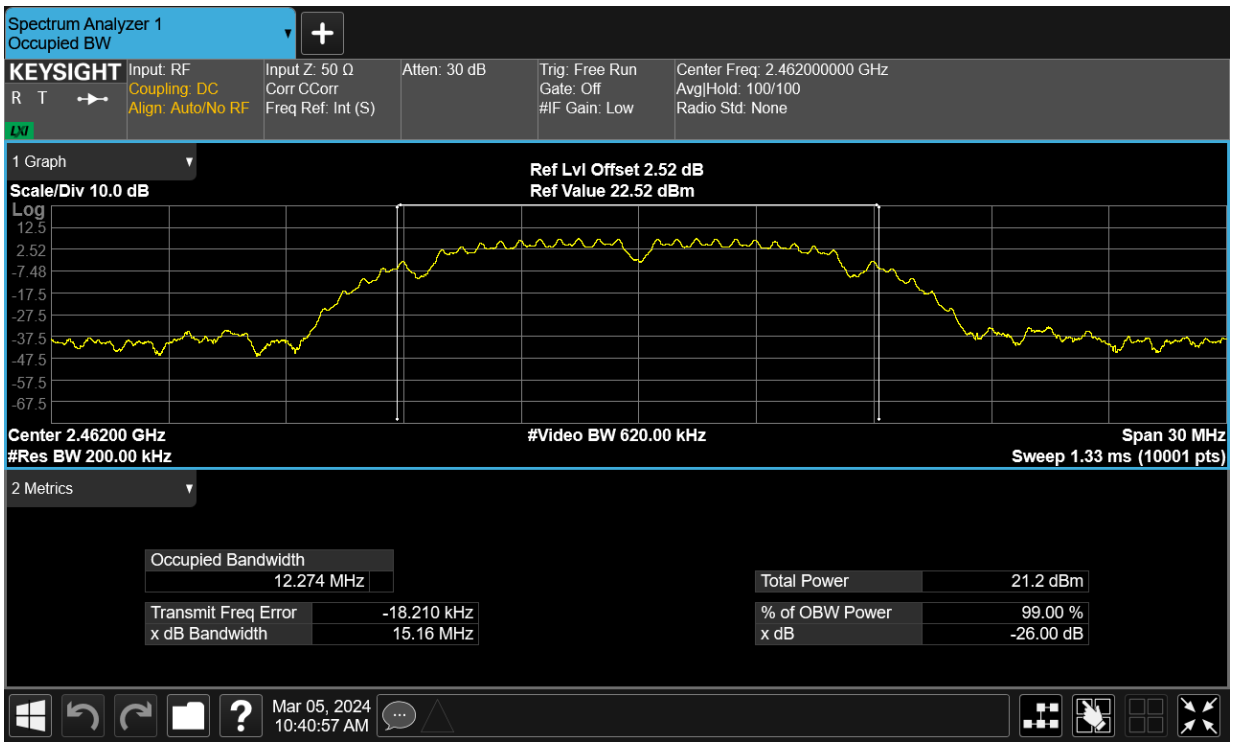
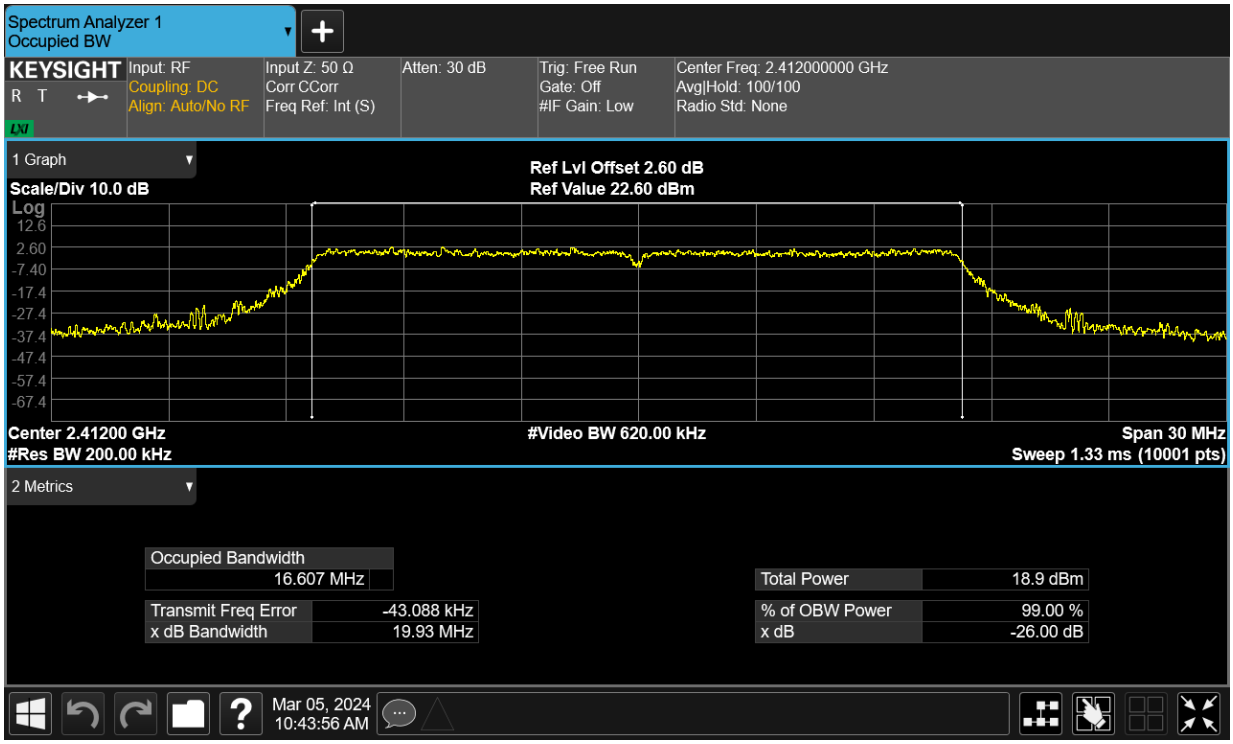



OBW NVNT g 2412MHz Ant1

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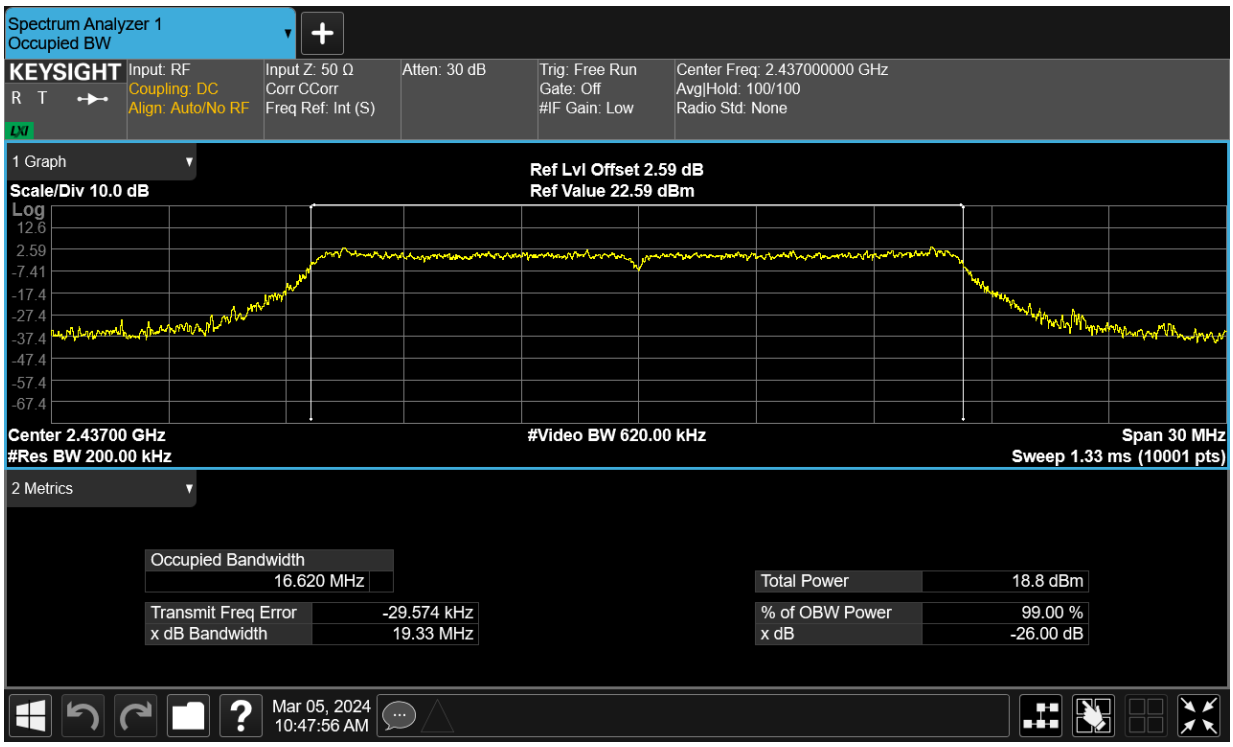
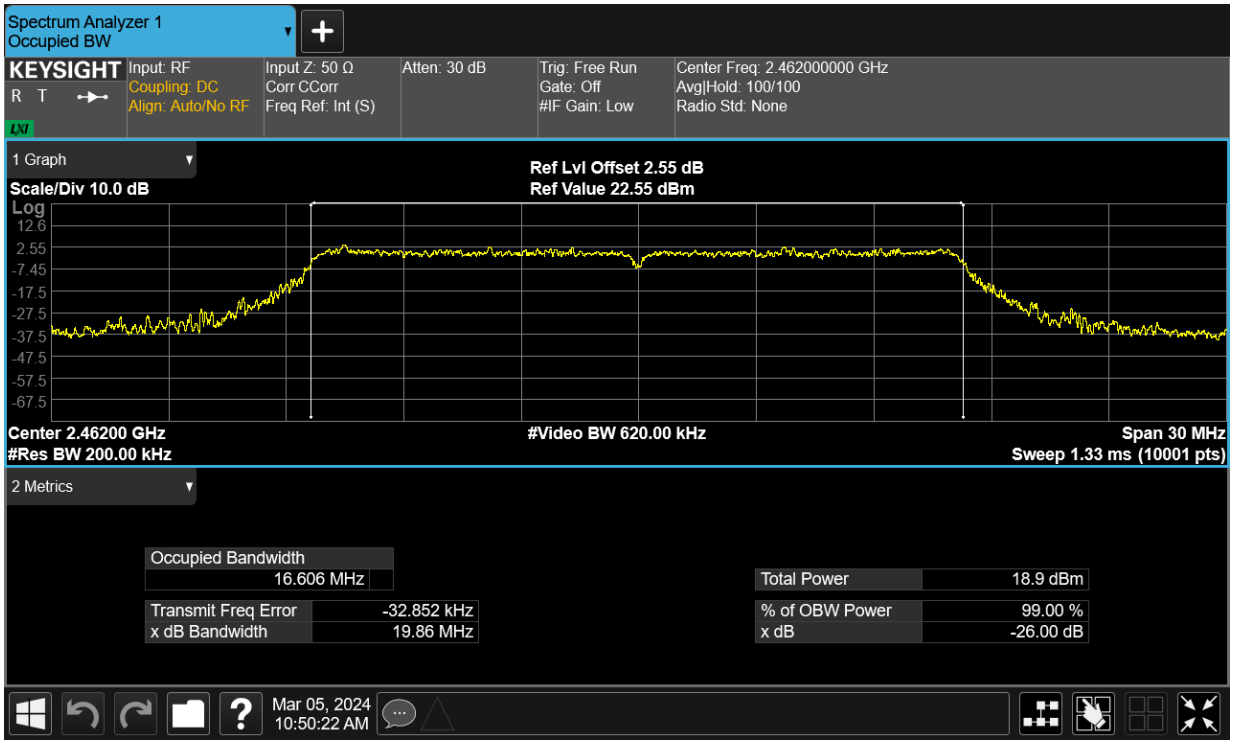



OBW NVNT g 2462MHz Ant1

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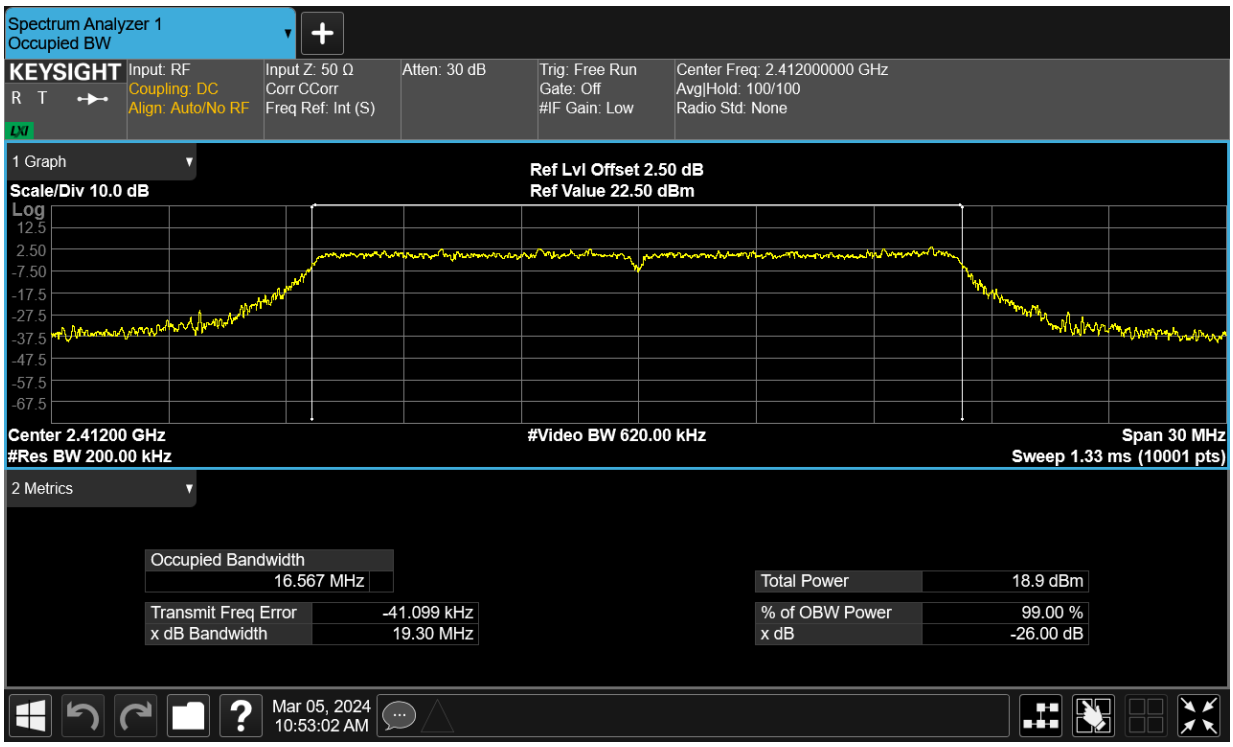


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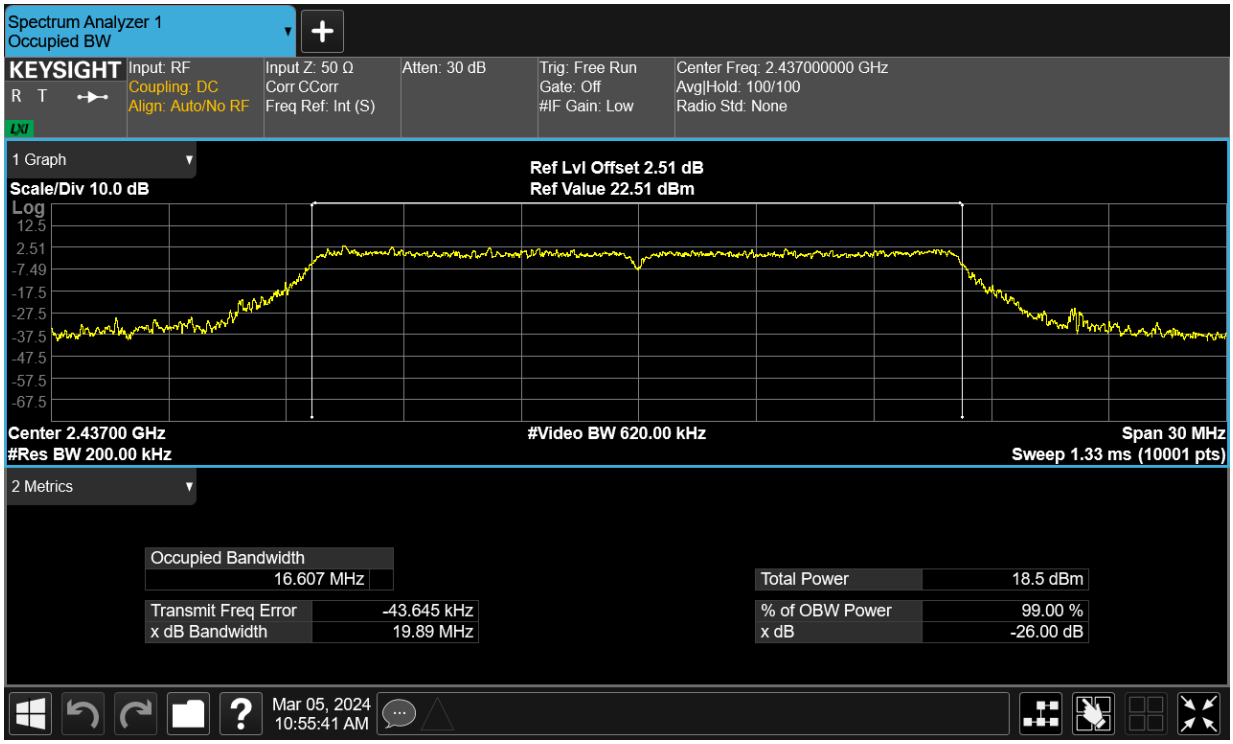


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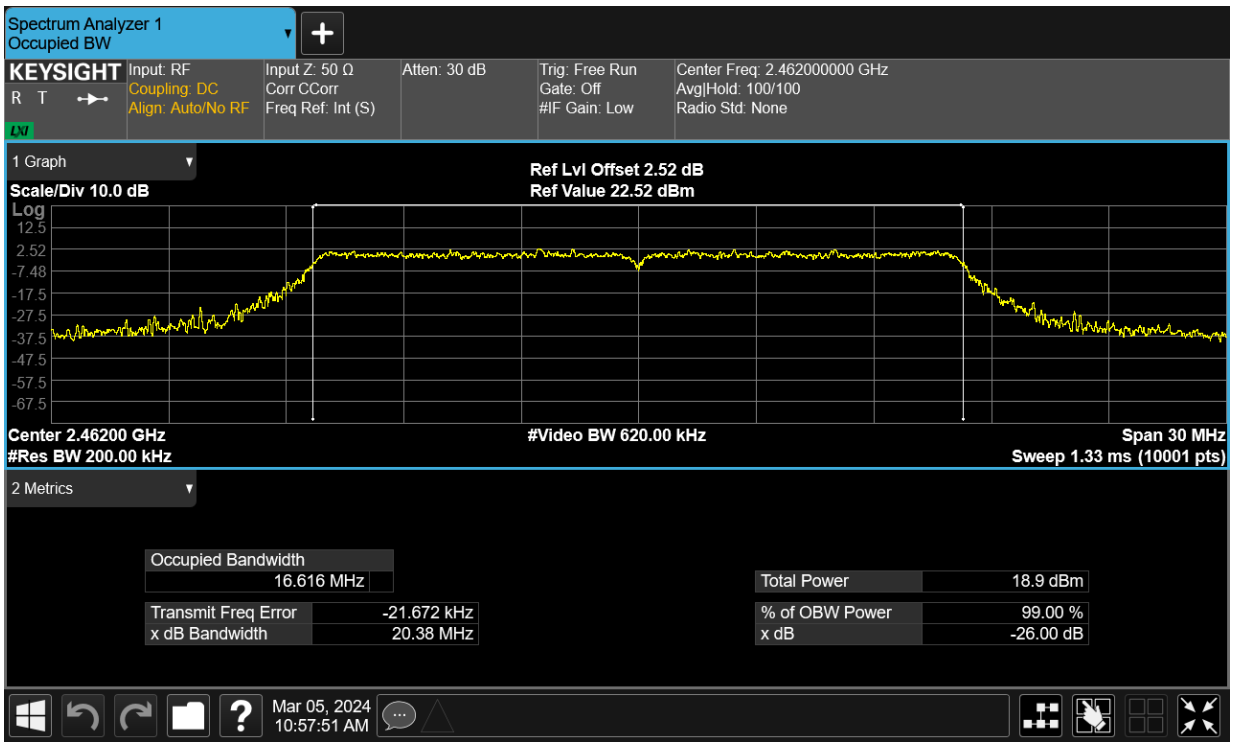
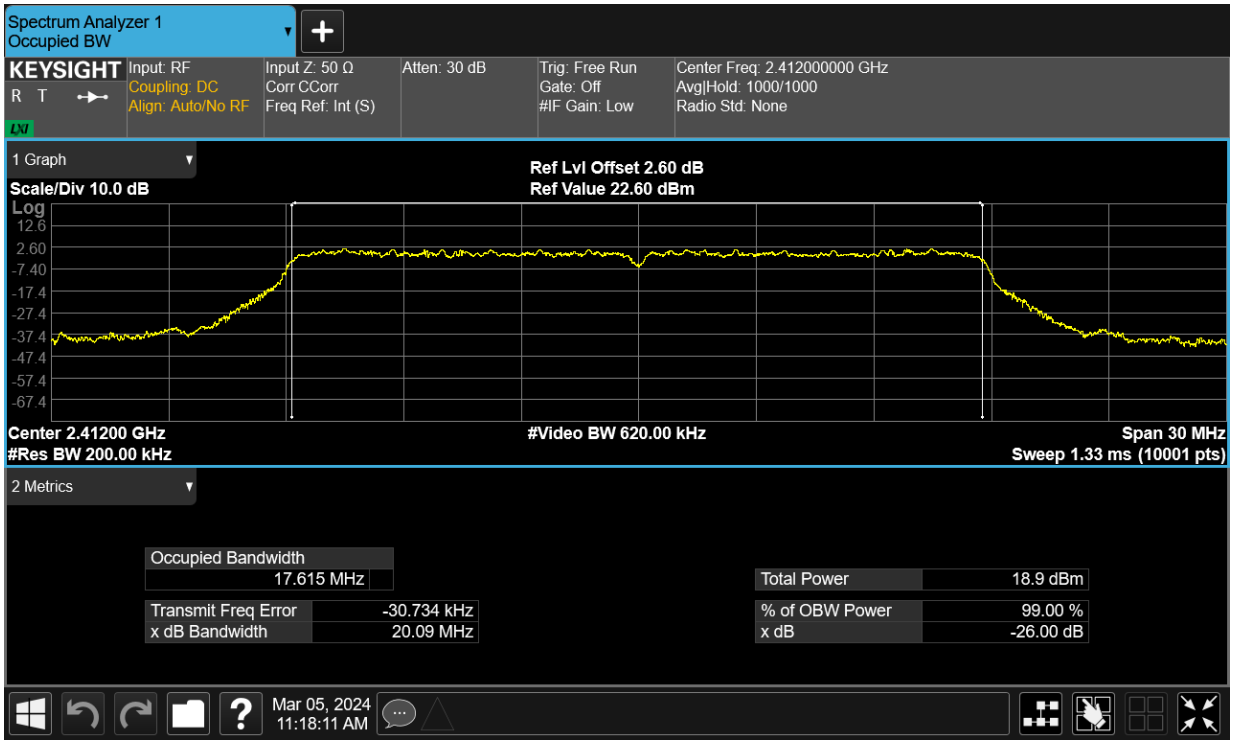



OBW NVNT n20 2412MHz Ant1

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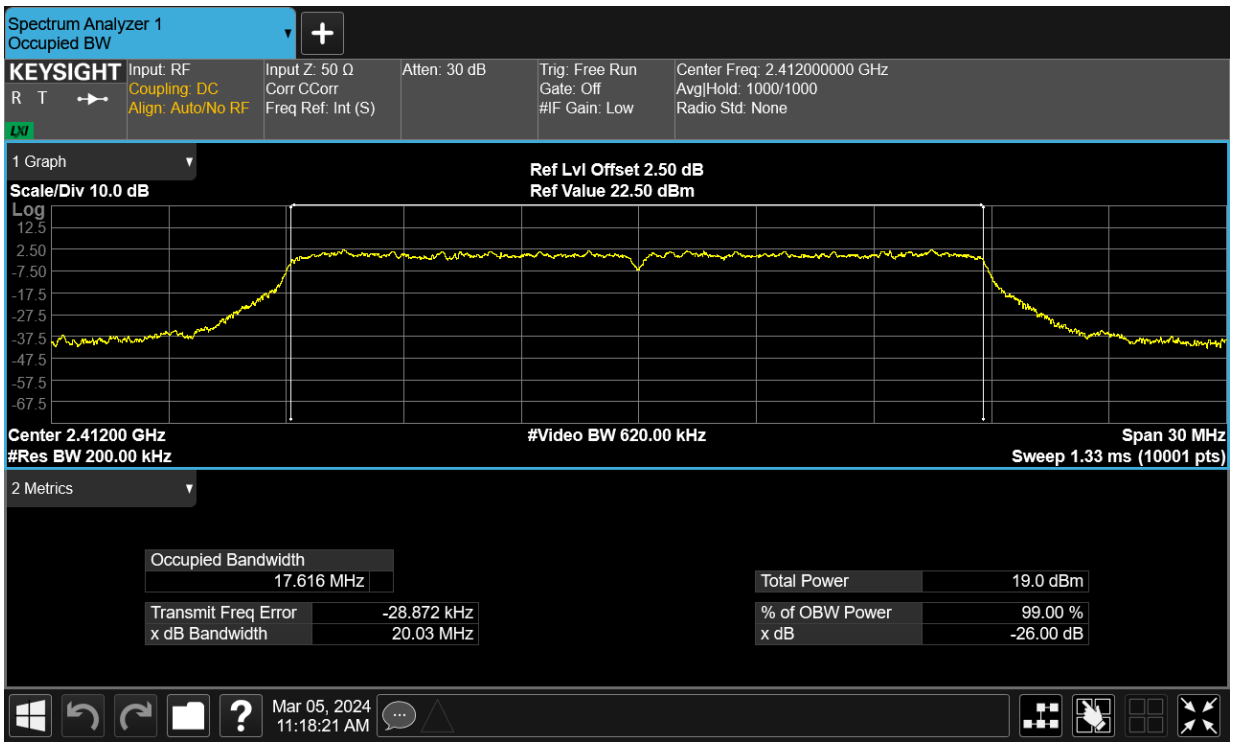


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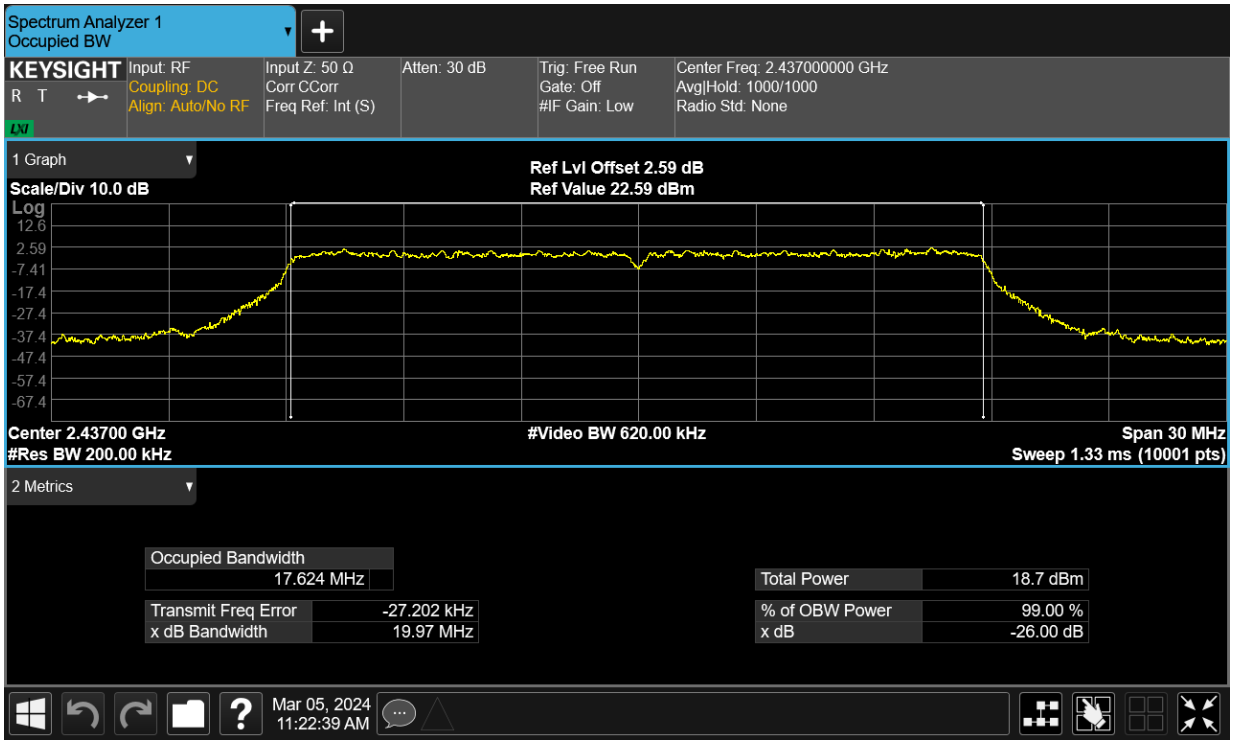


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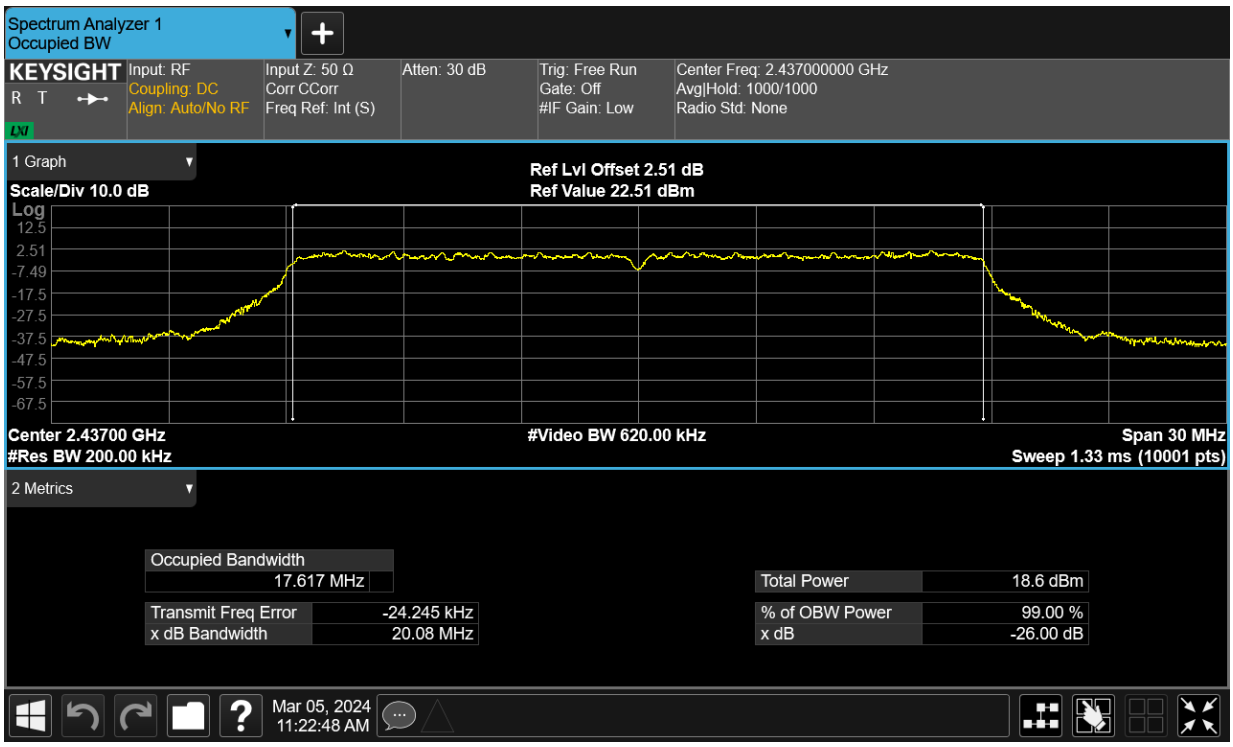


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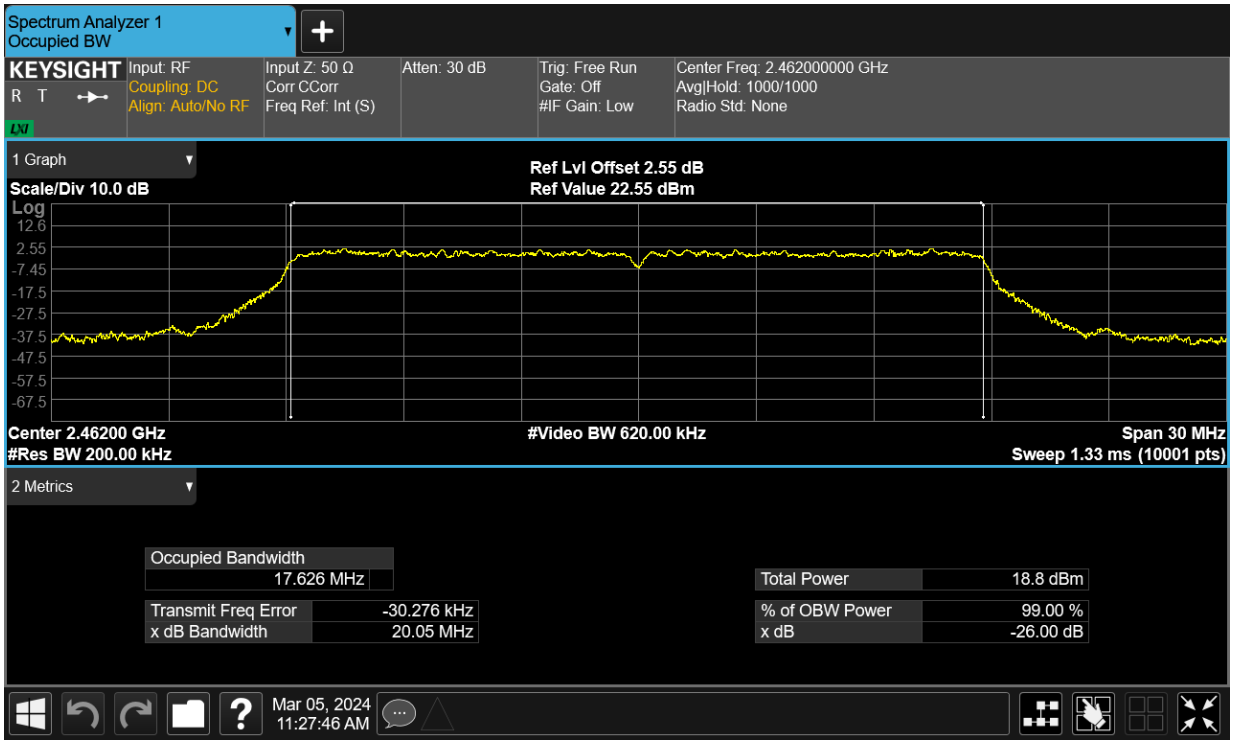
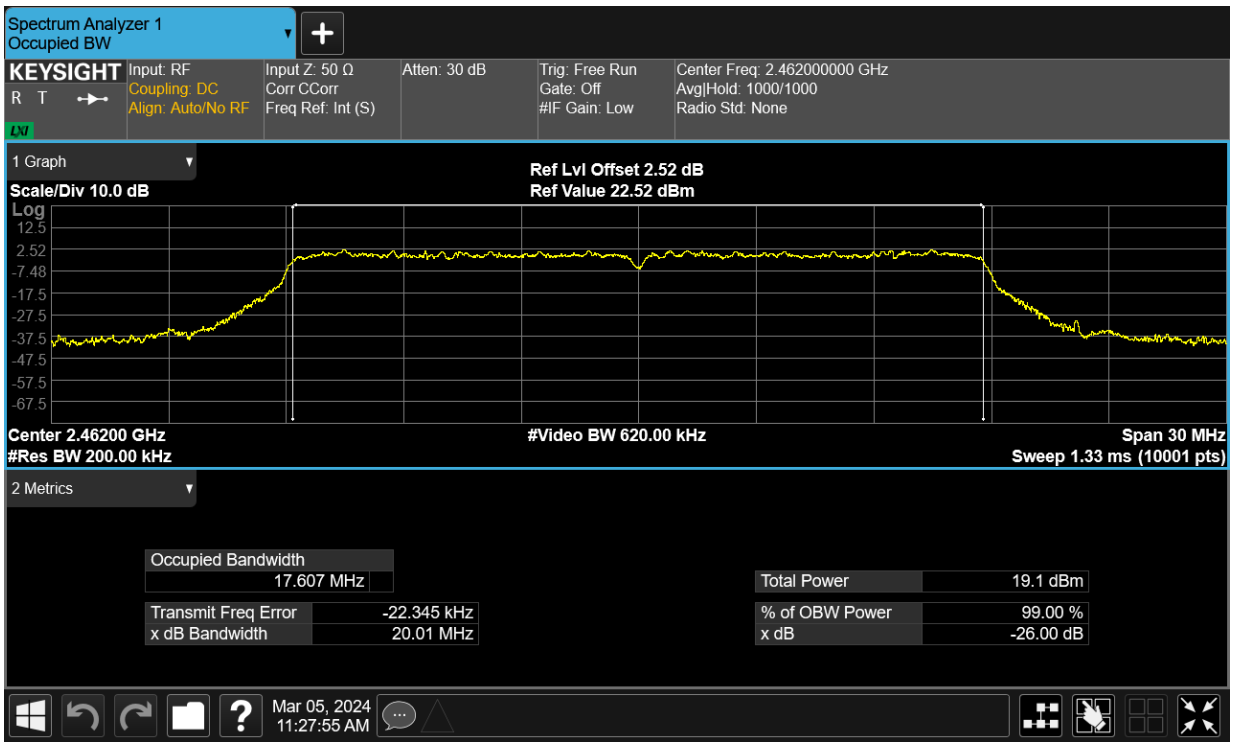
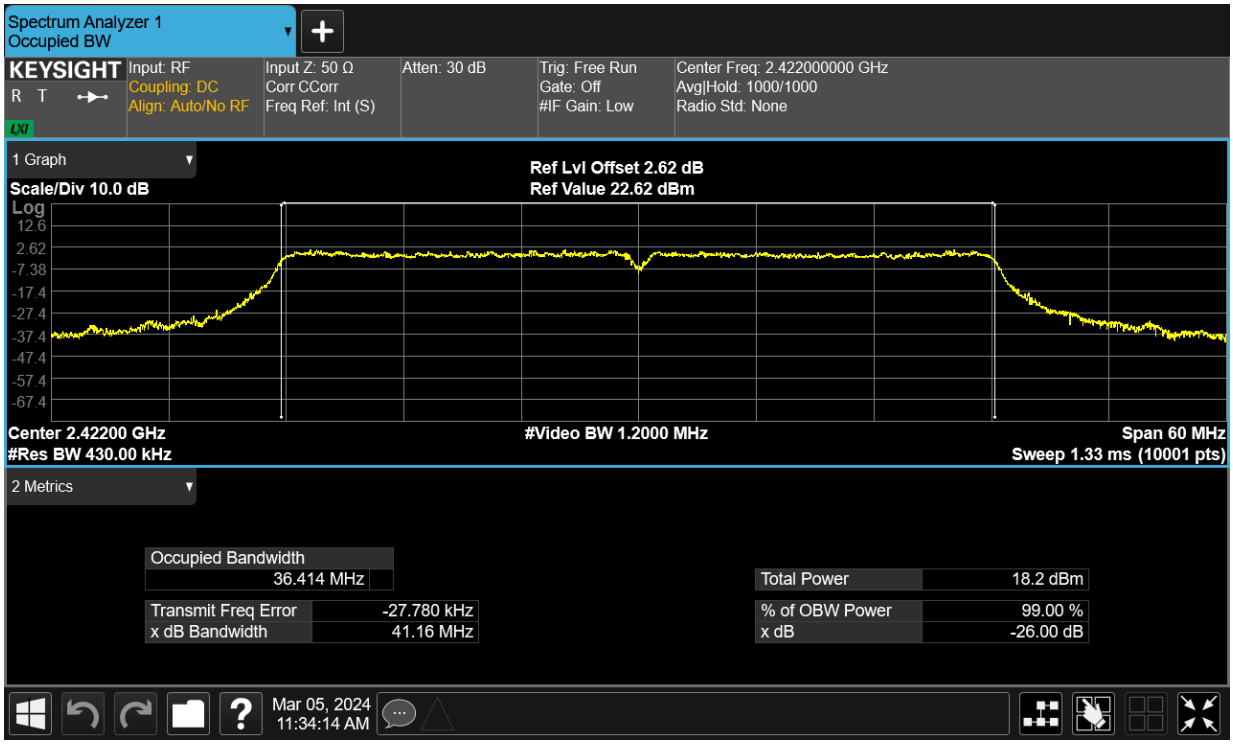


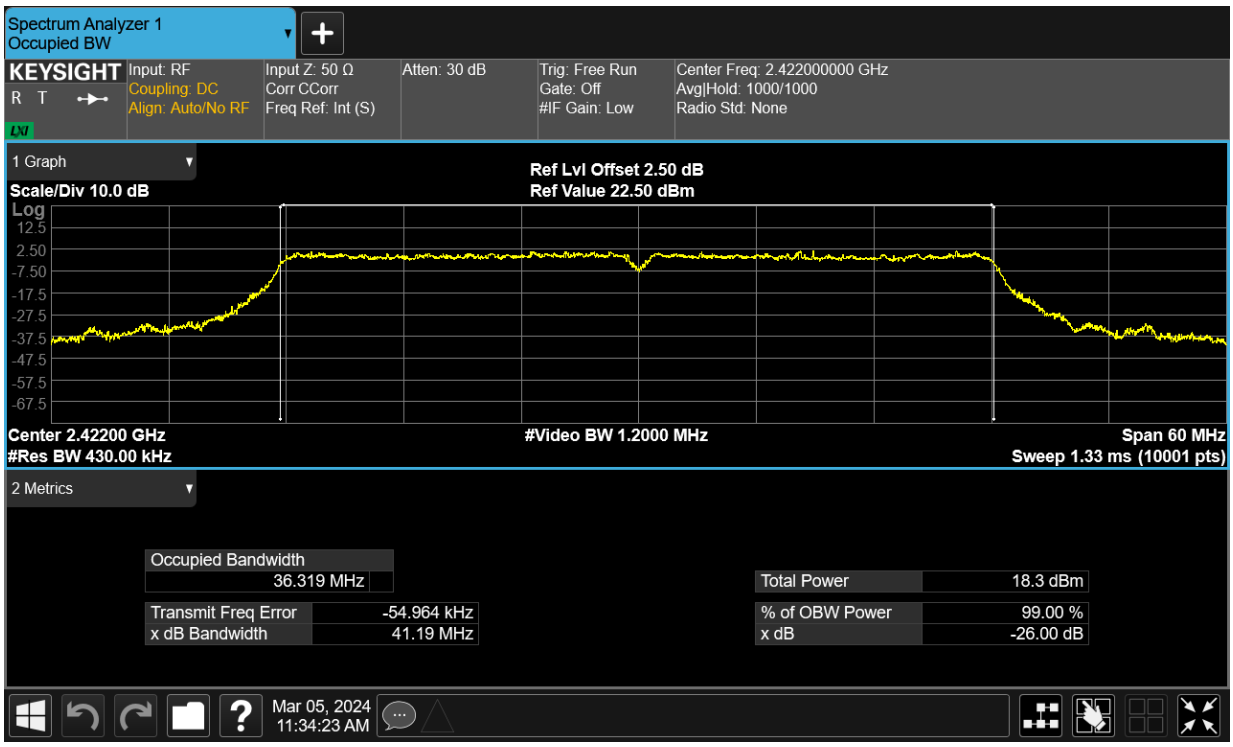

OBW NVNT n20 2462MHz Ant2



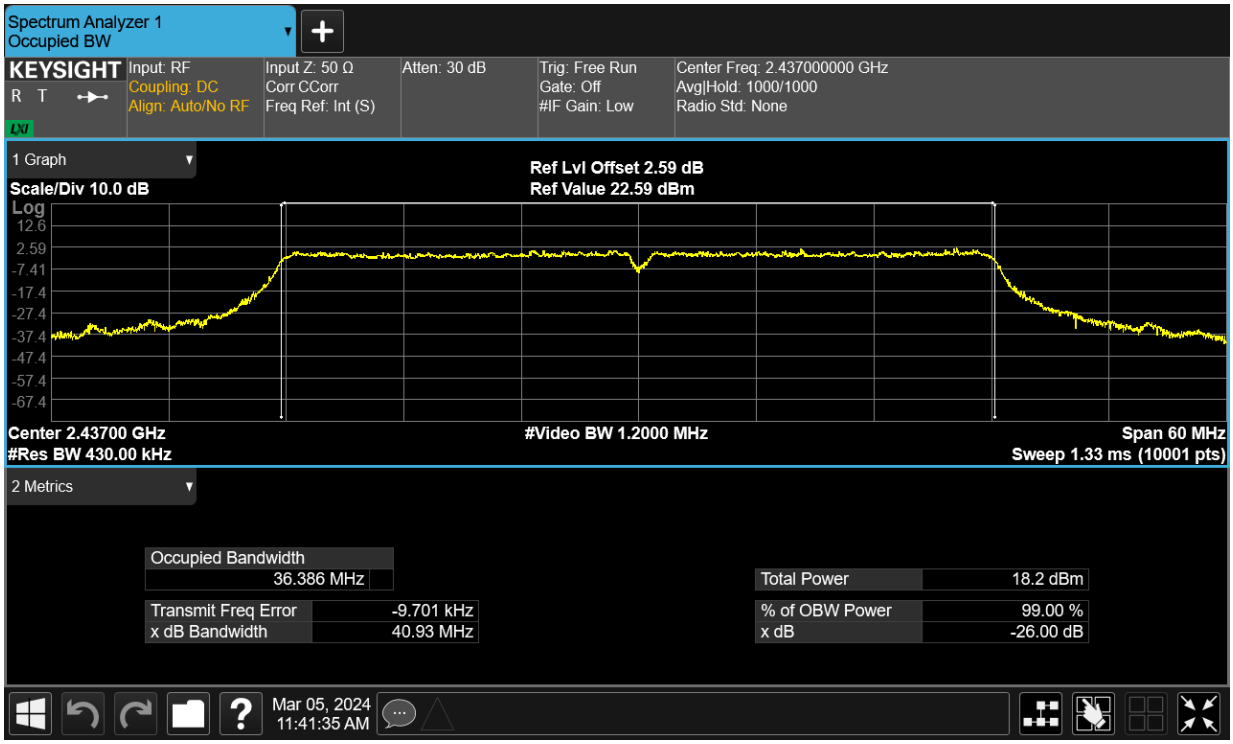

OBW NVNT n40 2422MHz Ant1



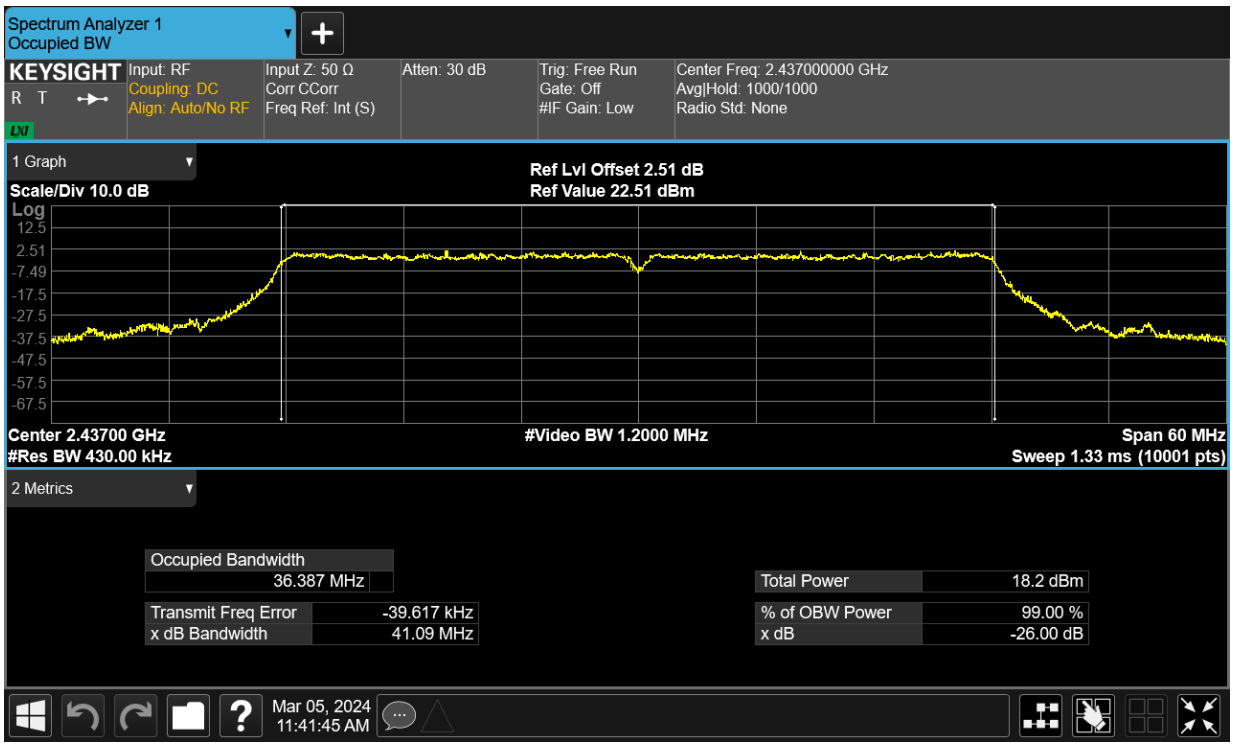

OBW NVNT n40 2422MHz Ant2



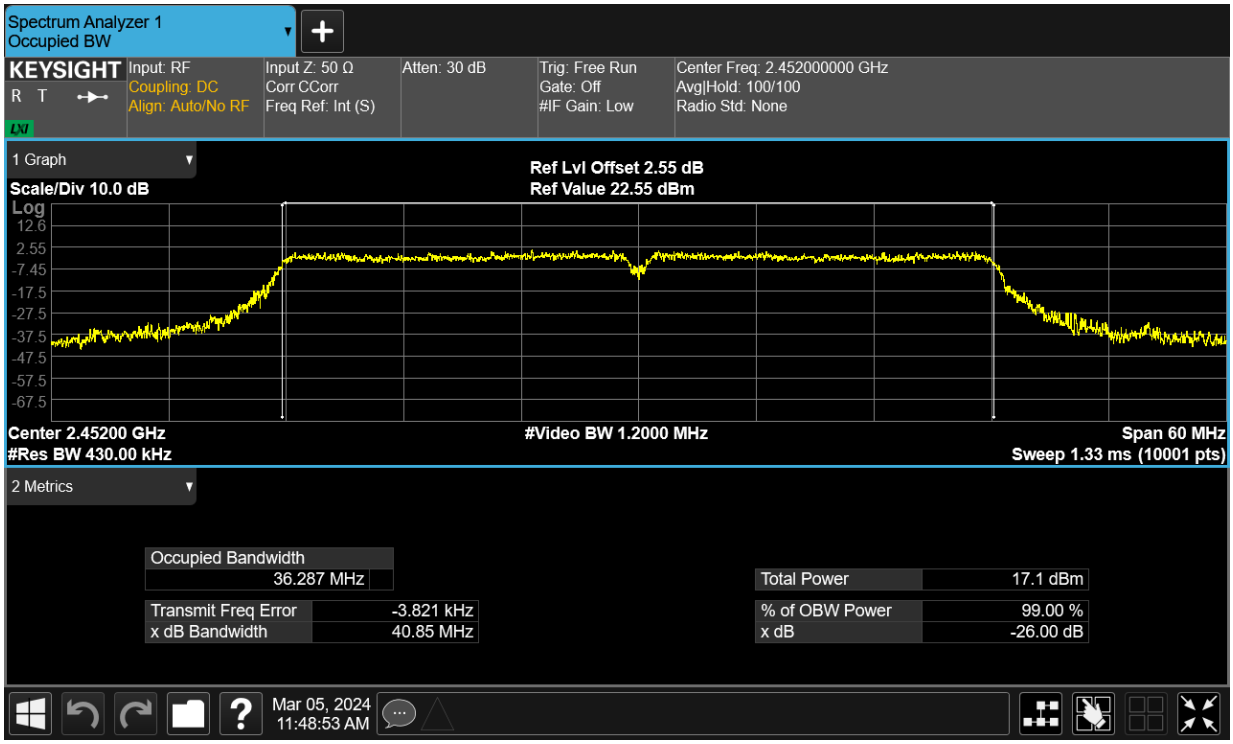

OBW NVNT n40 2437MHz Ant1



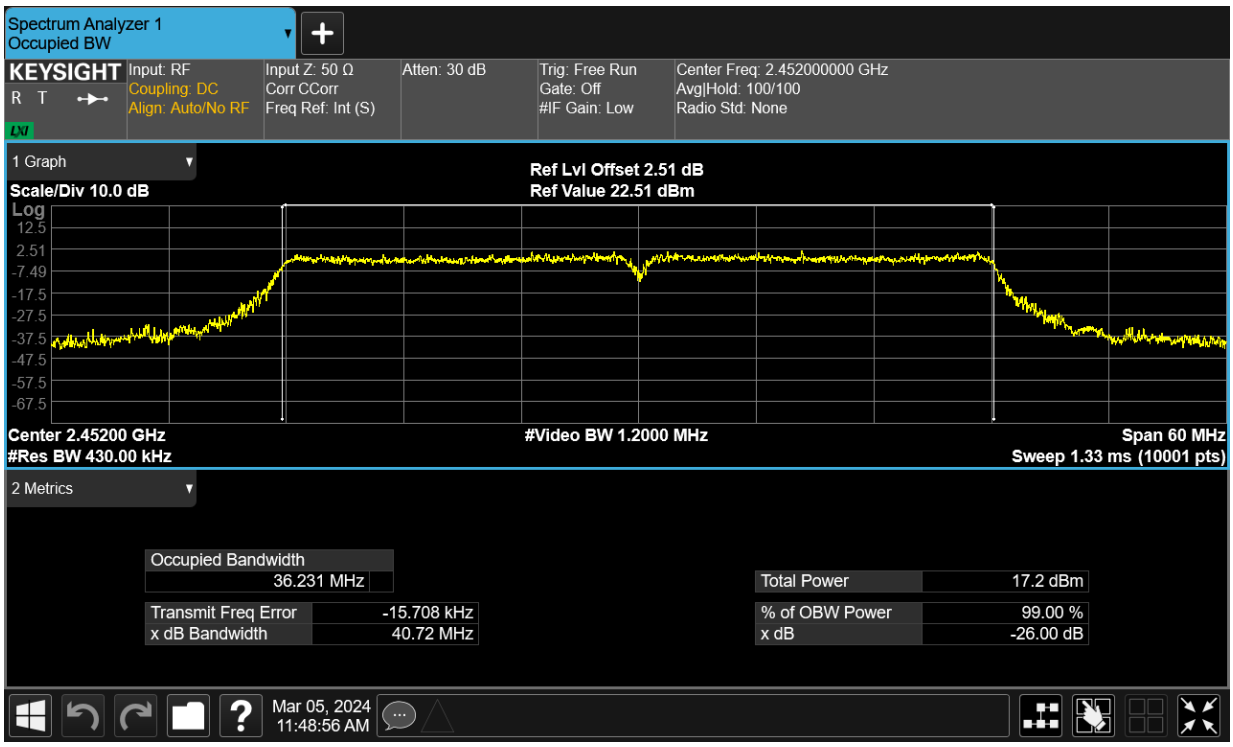

OBW NVNT n40 2437MHz Ant2




OBW NVNT n40 2452MHz Ant1



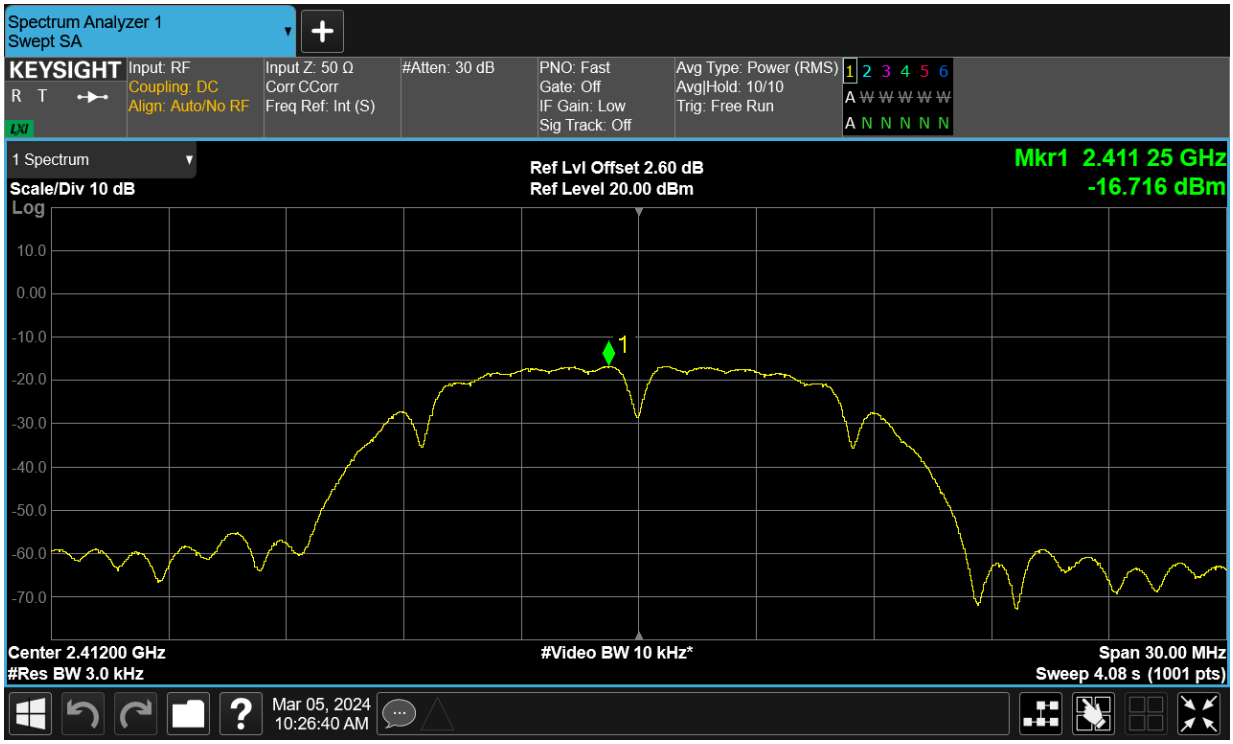

OBW NVNT n40 2452MHz Ant2



# Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | -16.716 | 8 | Pass |
| NVNT | b | 2437 | Ant1 | -16.862 | 8 | Pass |
| NVNT | b | 2462 | Ant1 | -16.572 | 8 | Pass |
| NVNT | b | 2412 | Ant2 | -17.177 | 8 | Pass |
| NVNT | b | 2437 | Ant2 | -16.546 | 8 | Pass |
| NVNT | b | 2462 | Ant2 | -17.053 | 8 | Pass |
| NVNT | g | 2412 | Ant1 | -21.498 | 8 | Pass |
| NVNT | g | 2437 | Ant1 | -21.565 | 8 | Pass |
| NVNT | g | 2462 | Ant1 | -21.389 | 8 | Pass |
| NVNT | g | 2412 | Ant2 | -21.544 | 8 | Pass |
| NVNT | g | 2437 | Ant2 | -21.953 | 8 | Pass |
| NVNT | g | 2462 | Ant2 | -21.617 | 8 | Pass |
| NVNT | n20 | 2412 | Ant1 | -23.194 | 8 | Pass |
| NVNT | n20 | 2412 | Ant2 | -23.497 | 8 | Pass |
| NVNT | n20 | 2412 | Sum | -20.333 | 8 | Pass |
| NVNT | n20 | 2437 | Ant1 | -23.134 | 8 | Pass |
| NVNT | n20 | 2437 | Ant2 | -23.553 | 8 | Pass |
| NVNT | n20 | 2437 | Sum | -20.328 | 8 | Pass |
| NVNT | n20 | 2462 | Ant1 | -23.514 | 8 | Pass |
| NVNT | n20 | 2462 | Ant2 | -23.287 | 8 | Pass |
| NVNT | n20 | 2462 | Sum | -20.389 | 8 | Pass |
| NVNT | n40 | 2422 | Ant1 | -27.682 | 8 | Pass |
| NVNT | n40 | 2422 | Ant2 | -27.39 | 8 | Pass |
| NVNT | n40 | 2422 | Sum | -24.523 | 8 | Pass |
| NVNT | n40 | 2437 | Ant1 | -27.15 | 8 | Pass |
| NVNT | n40 | 2437 | Ant2 | -27.947 | 8 | Pass |
| NVNT | n40 | 2437 | Sum | -24.52 | 8 | Pass |
| NVNT | n40 | 2452 | Ant1 | -27.626 | 8 | Pass |
| NVNT | n40 | 2452 | Ant2 | -27.545 | 8 | Pass |
| NVNT | n40 | 2452 | Sum | -24.575 | 8 | Pass |

| Test Graphs |
| --- |
| PSD NVNT b 2412MHz Ant1 |




| PSD NVNT b 2437MHz Ant1 |
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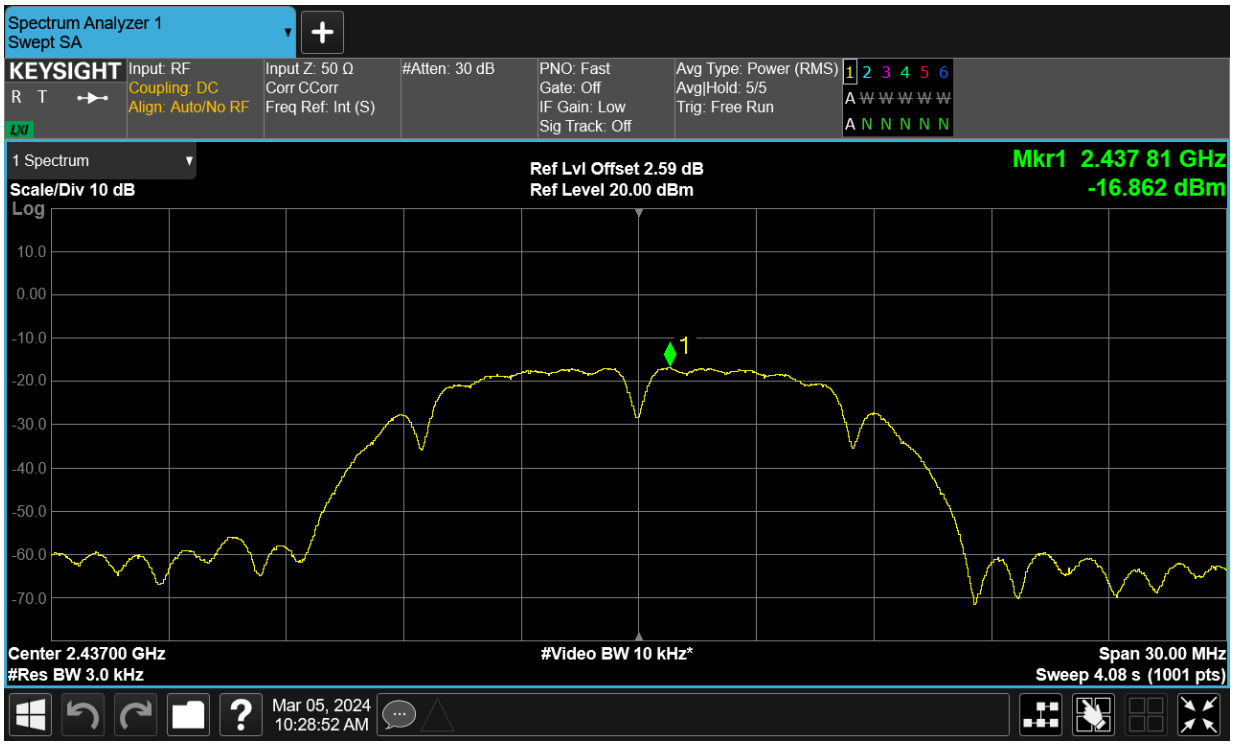
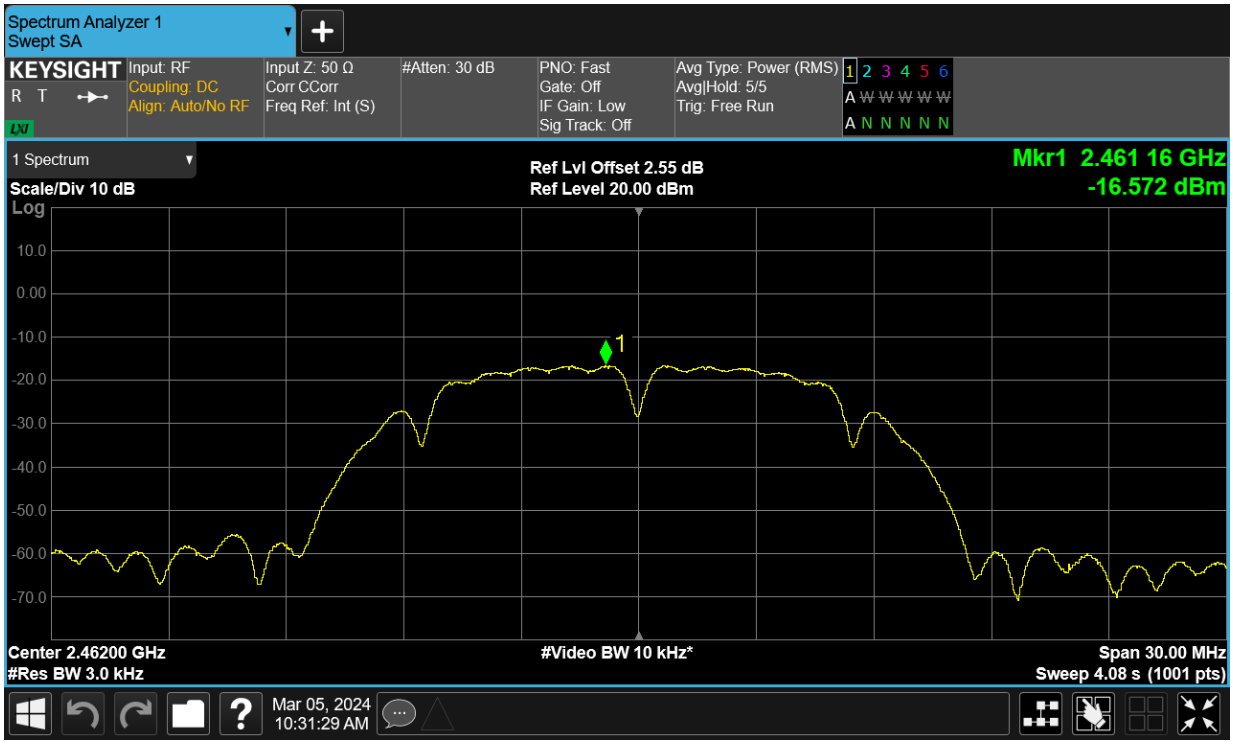
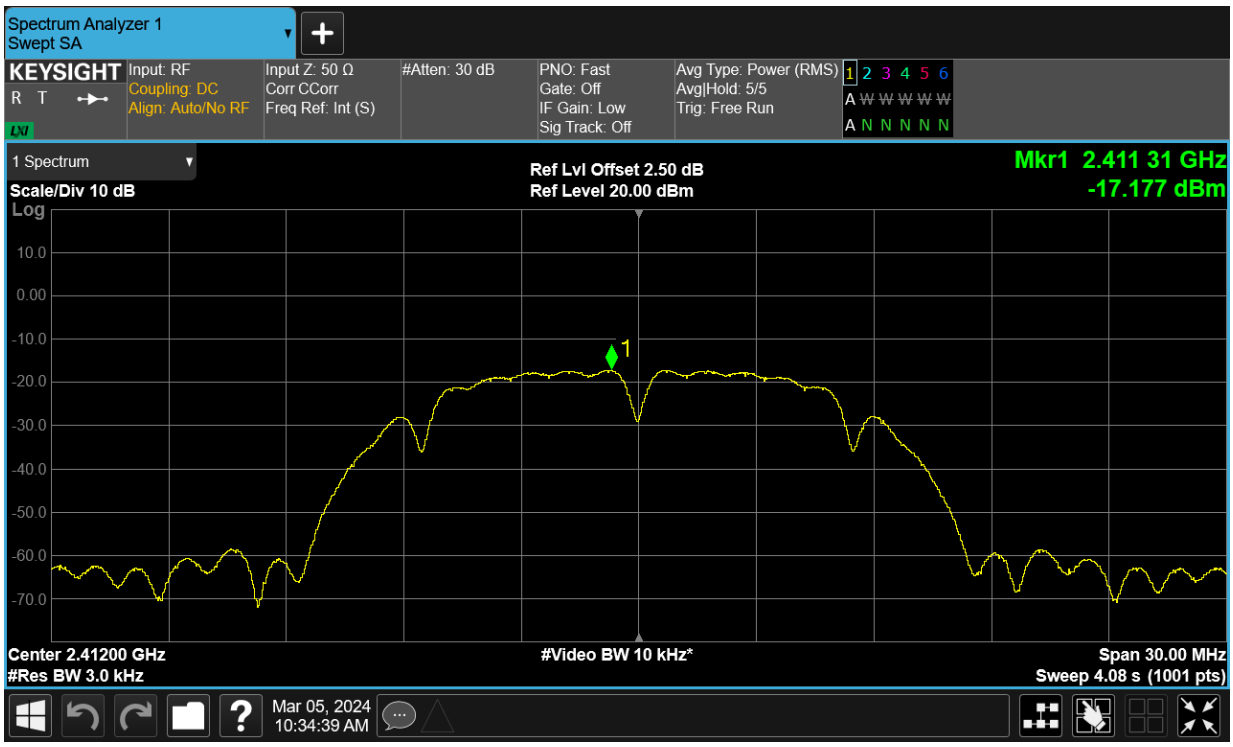


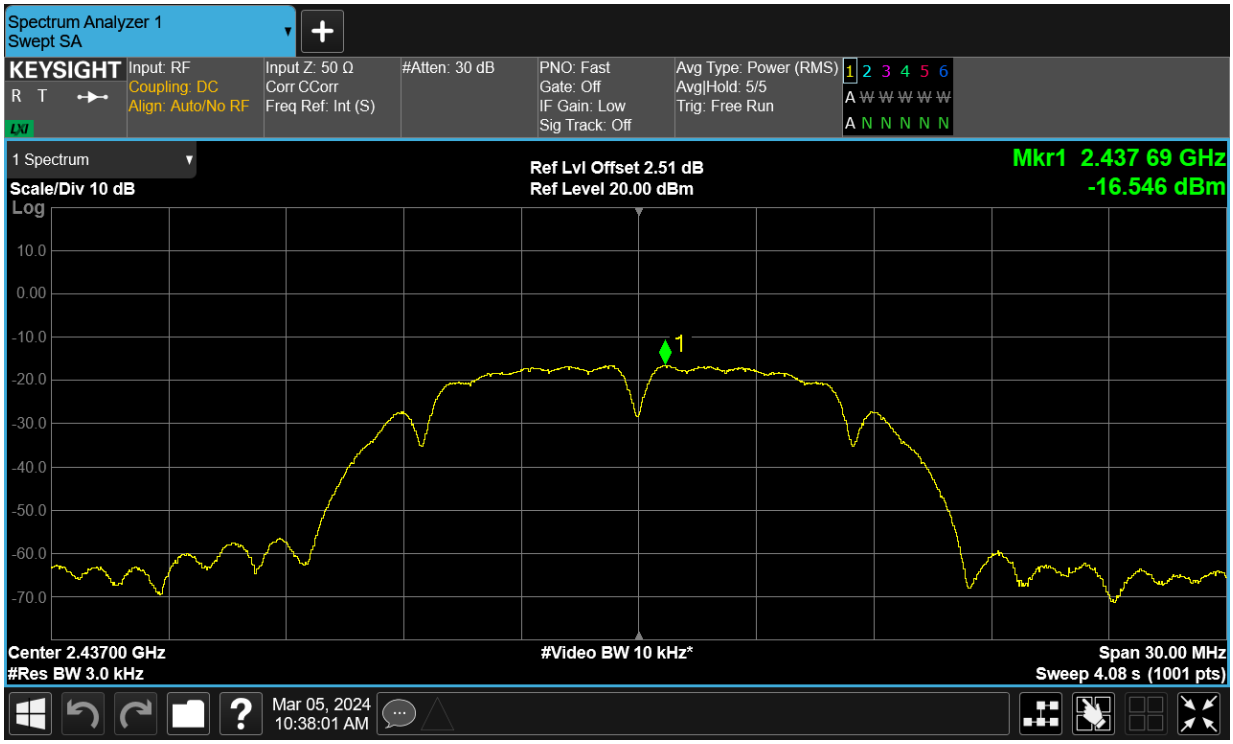

| PSD NVNT b 2462MHz Ant1 |
| --- |



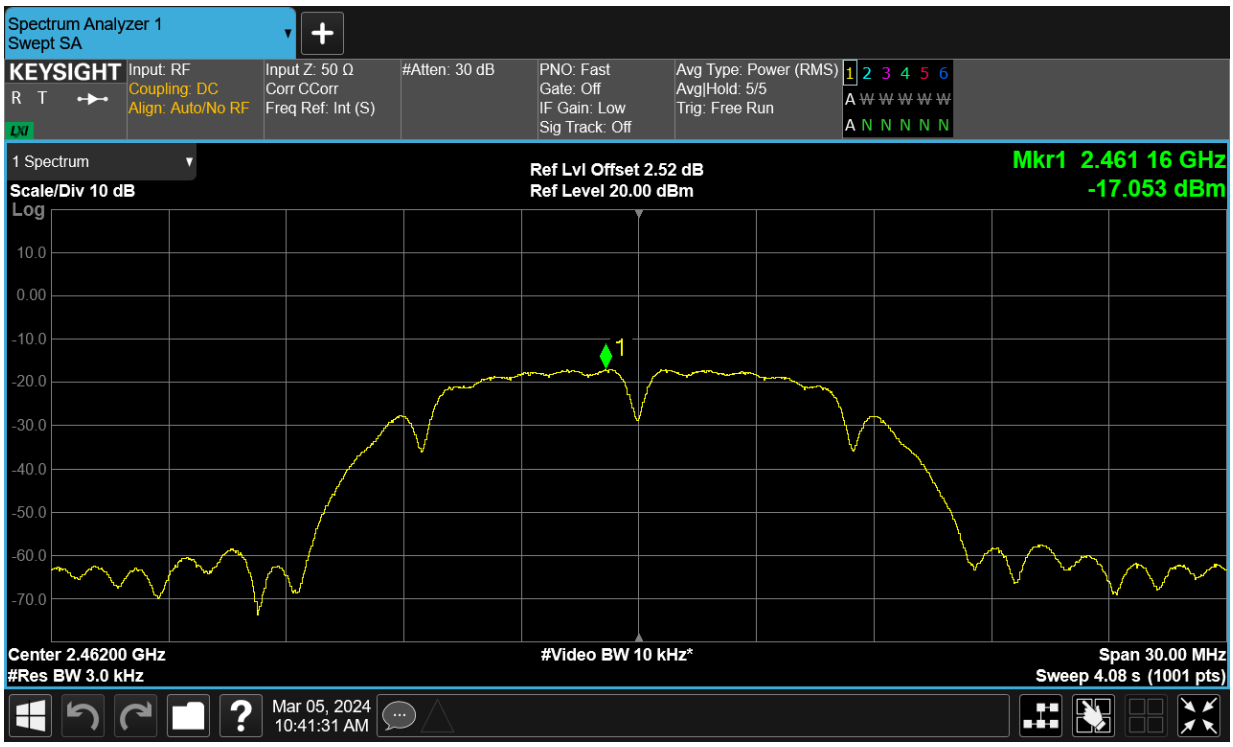

PSD NVNT b 2412MHz Ant2



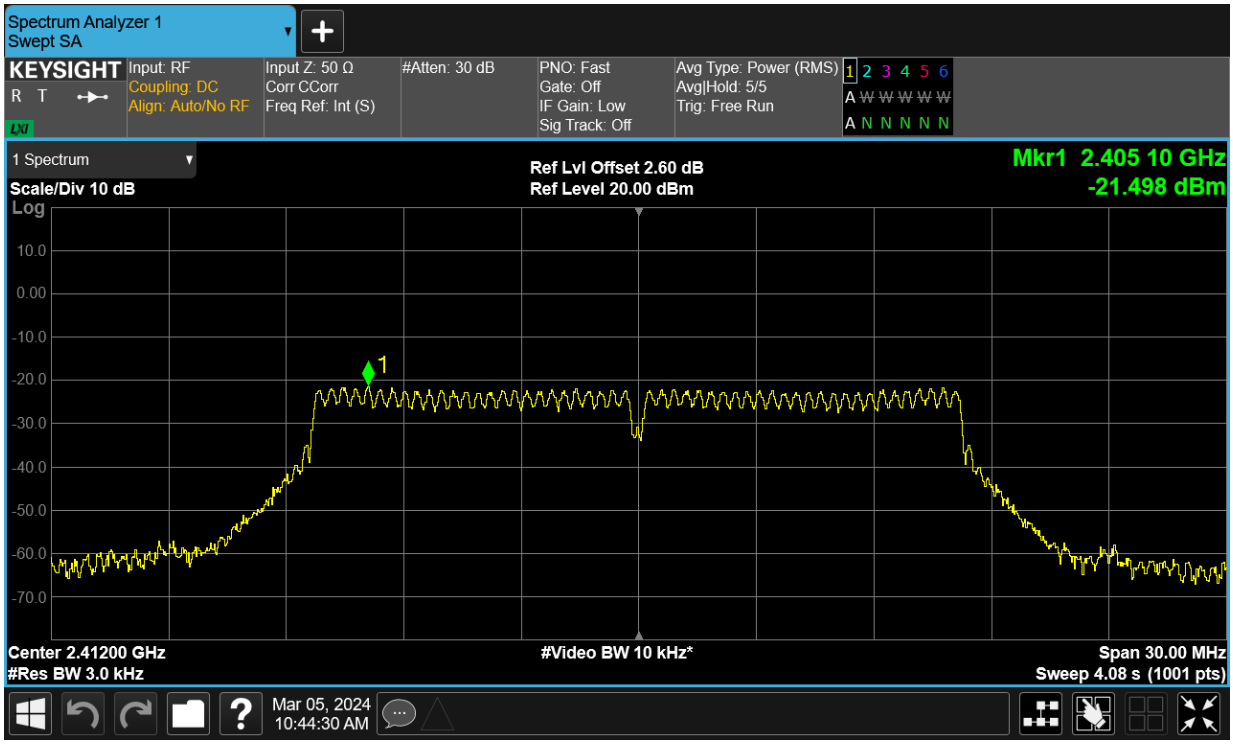

PSD NVNT b 2437MHz Ant2



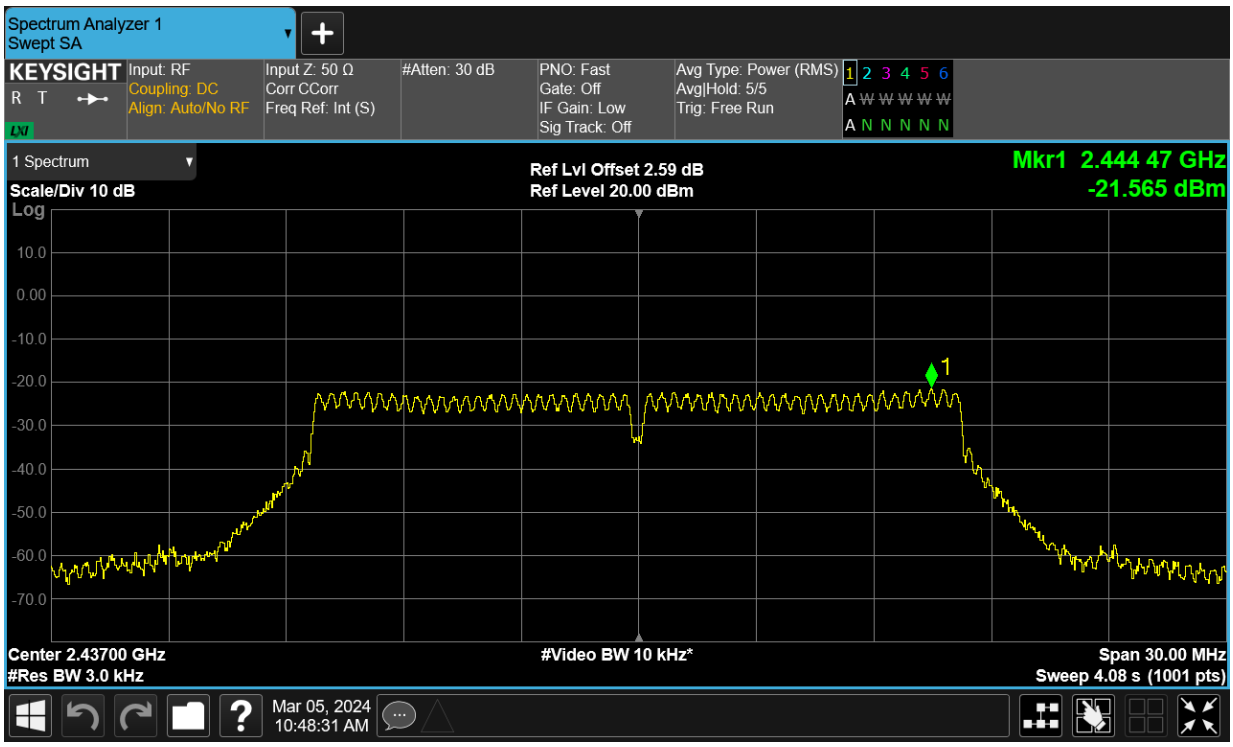

PSD NVNT b 2462MHz Ant2



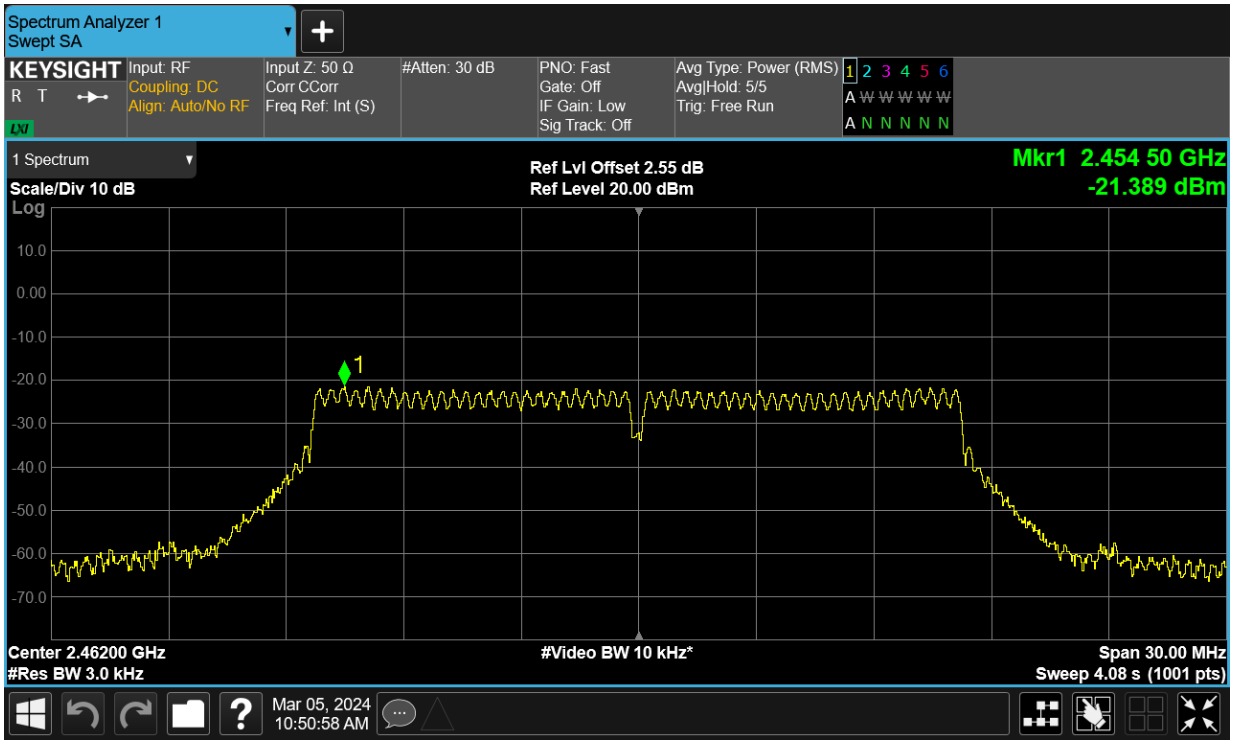

PSD NVNT g 2412MHz Ant1



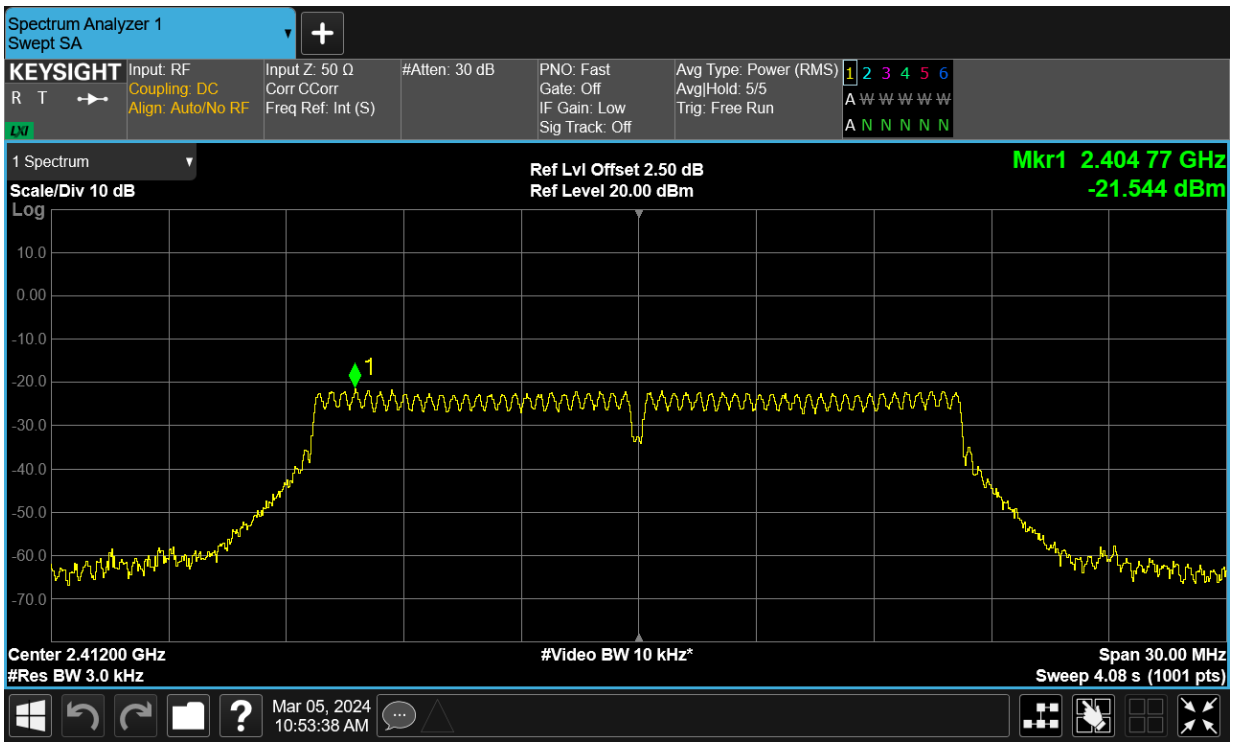

PSD NVNT g 2437MHz Ant1




PSD NVNT g 2462MHz Ant1




PSD NVNT g 2412MHz Ant2

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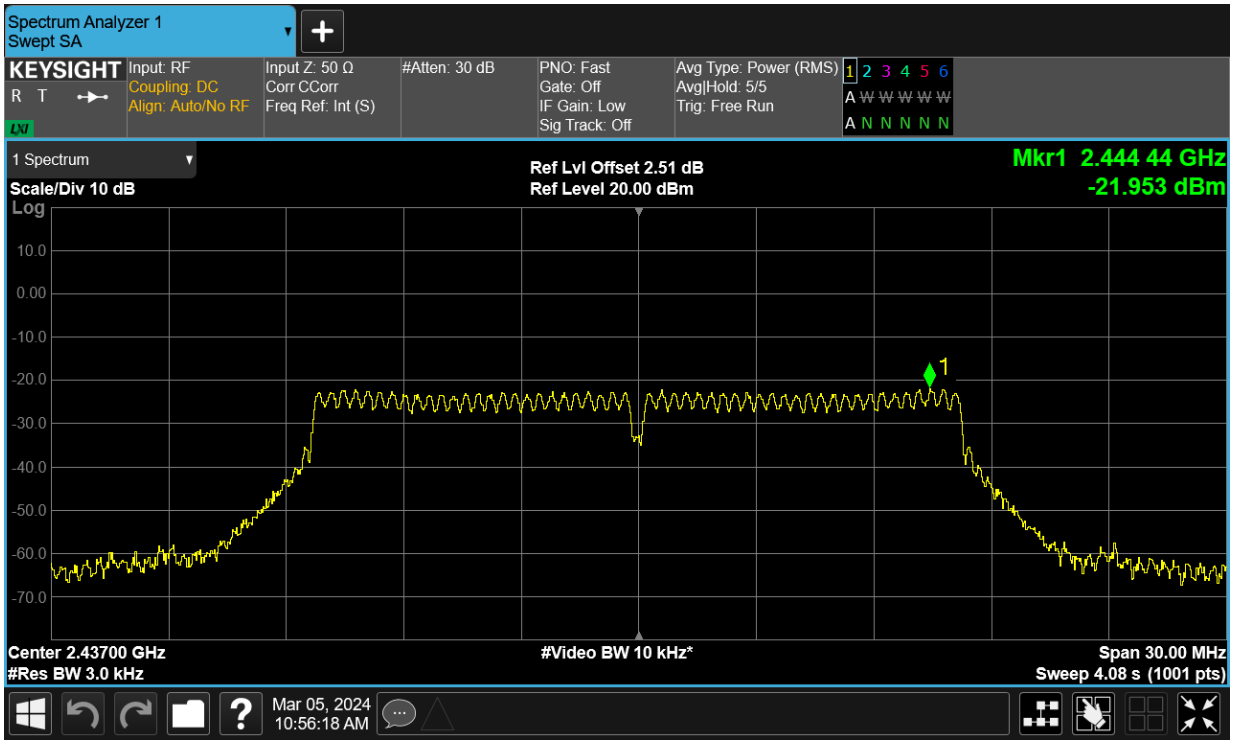
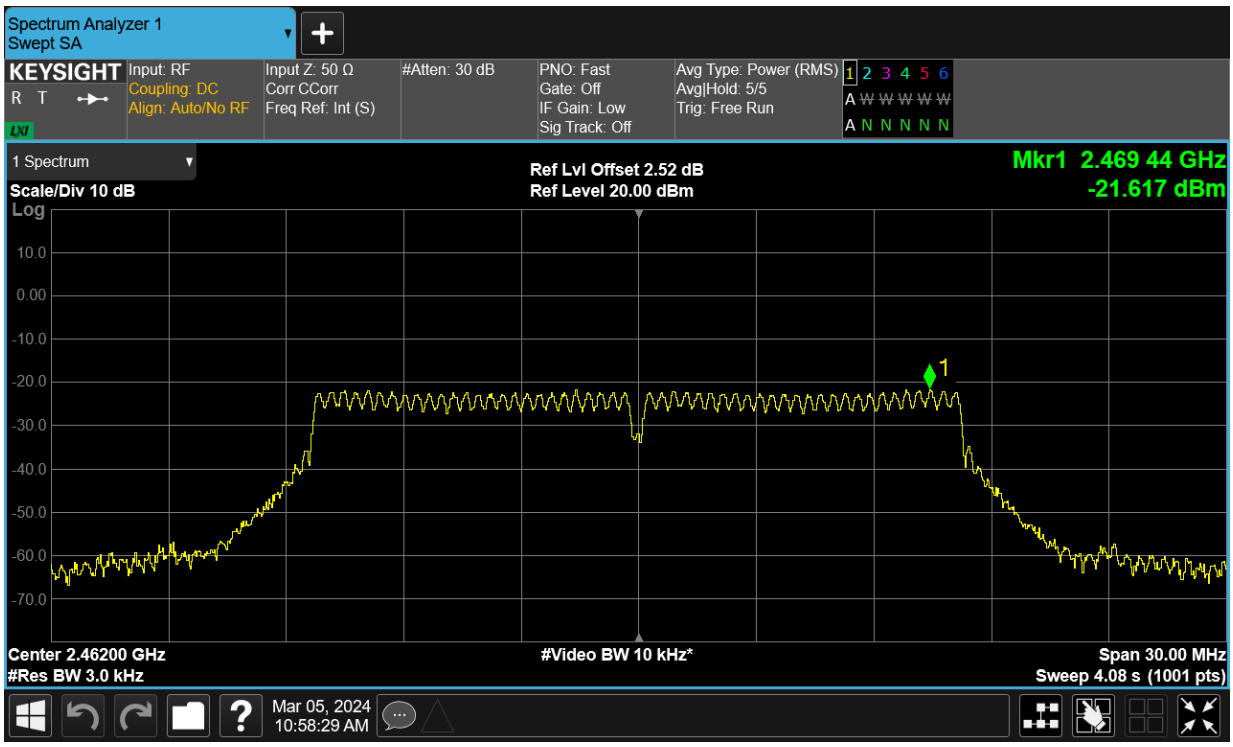
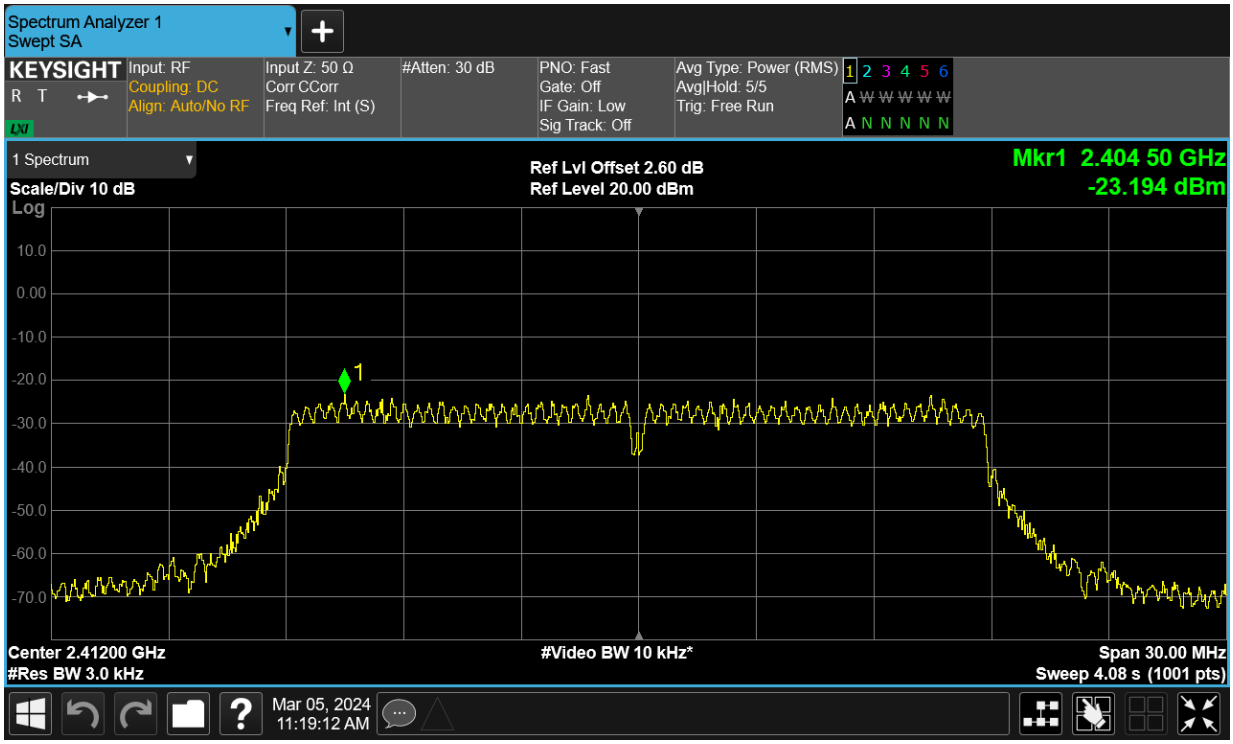


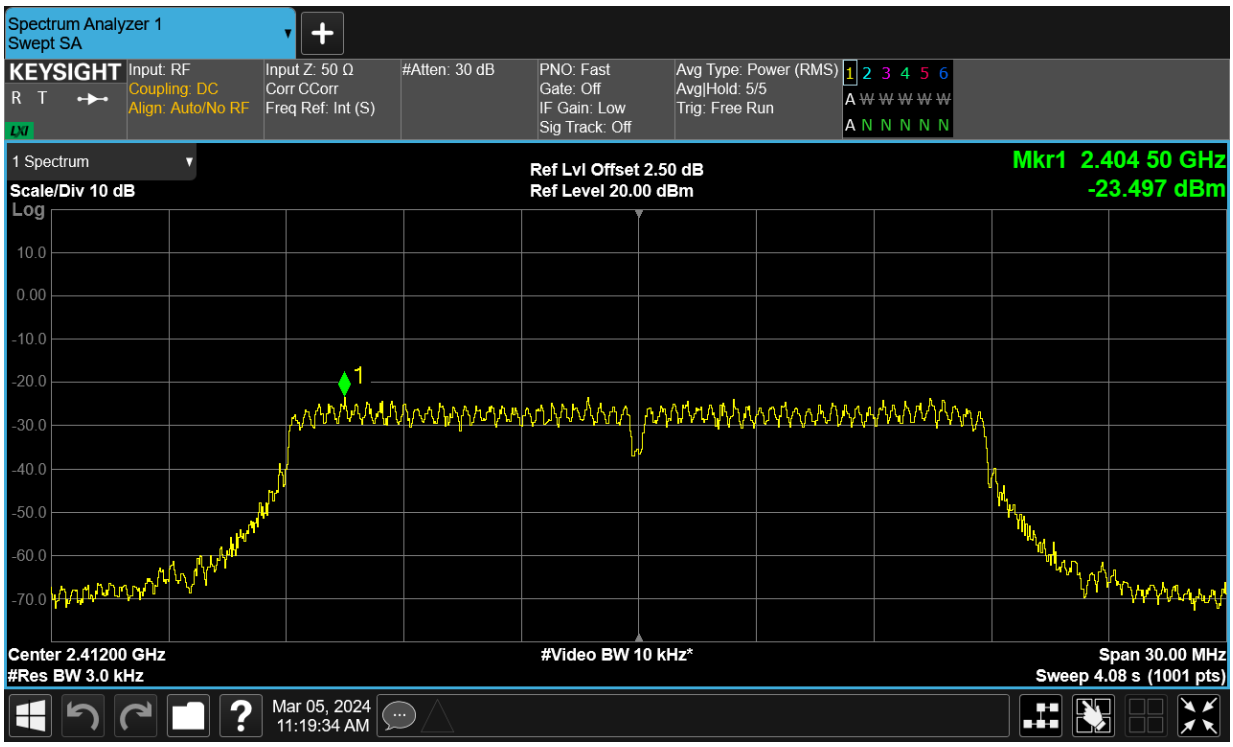

PSD NVNT g 2462MHz Ant2



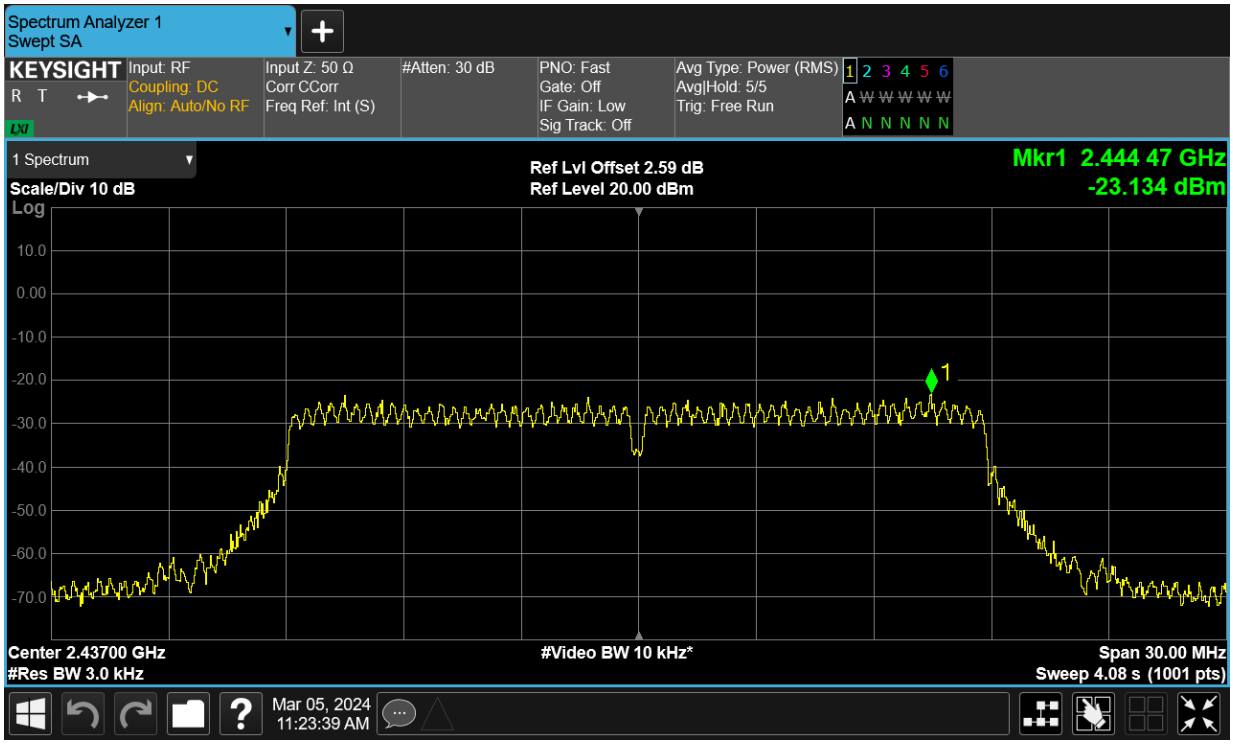

PSD NVNT n20 2412MHz Ant1



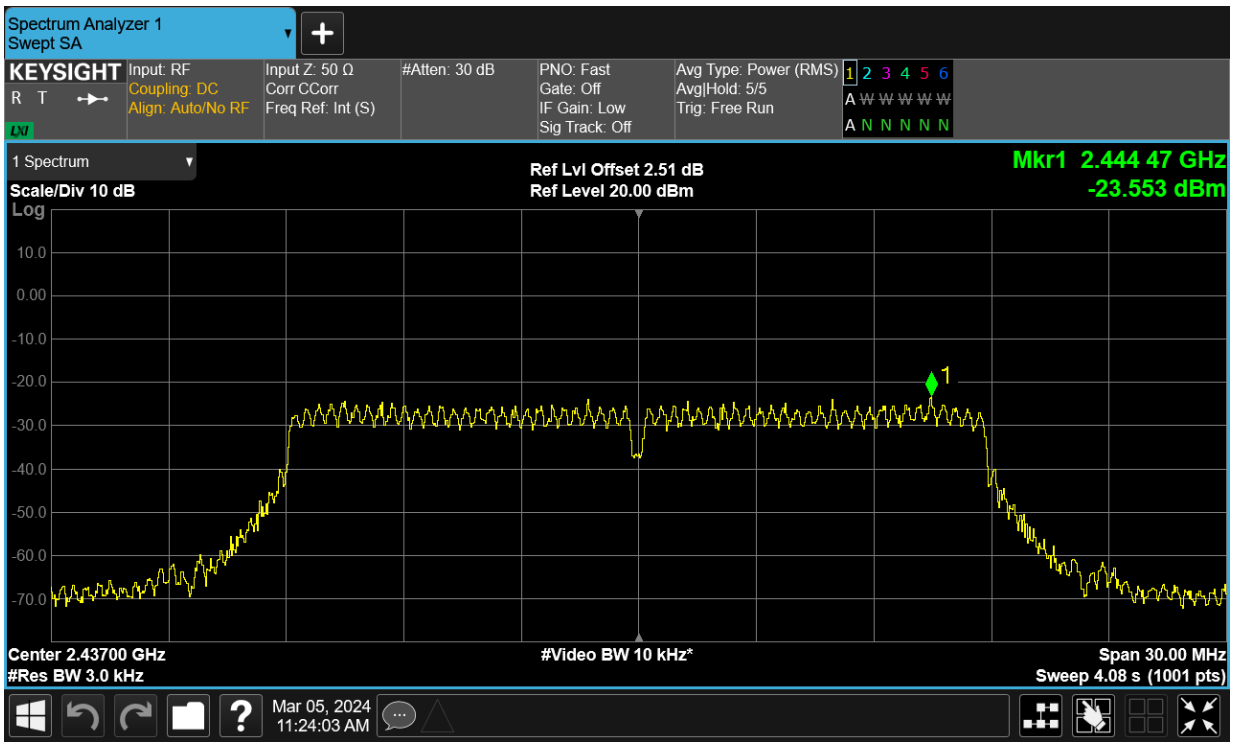

PSD NVNT n20 2412MHz Ant2



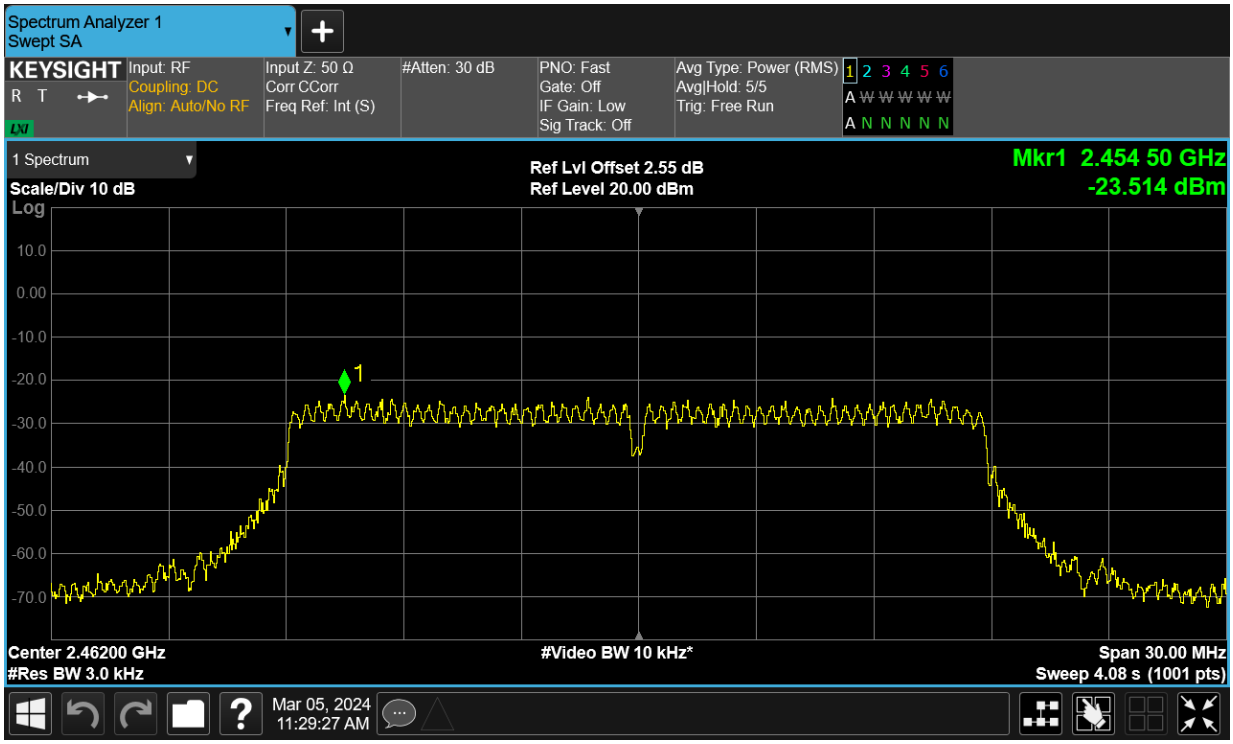

PSD NVNT n20 2437MHz Ant1



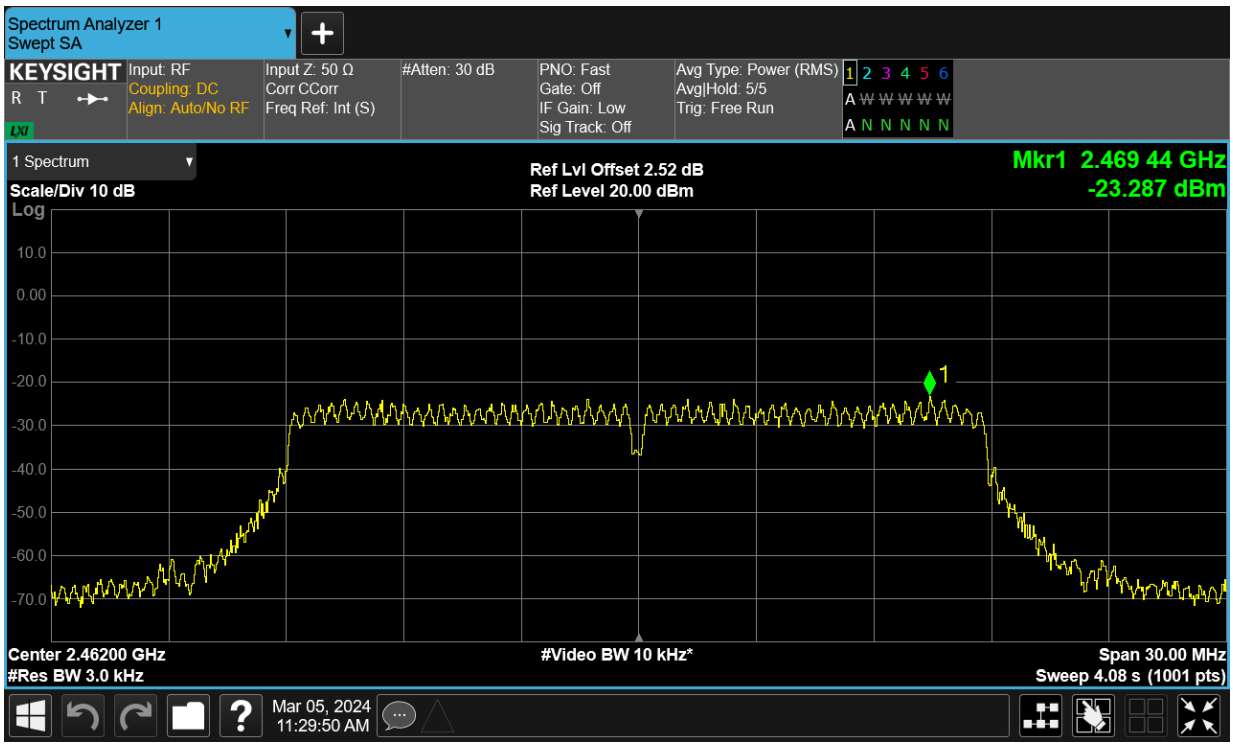

PSD NVNT n20 2437MHz Ant2



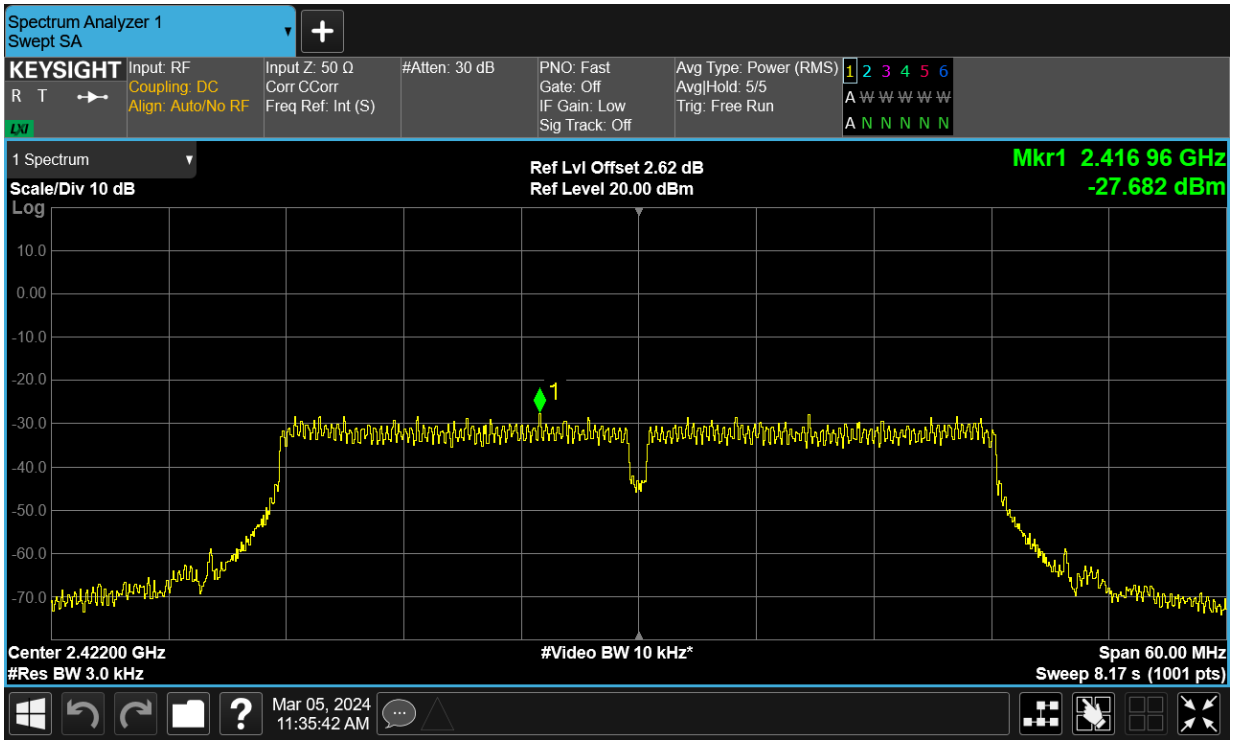

PSD NVNT n20 2462MHz Ant1



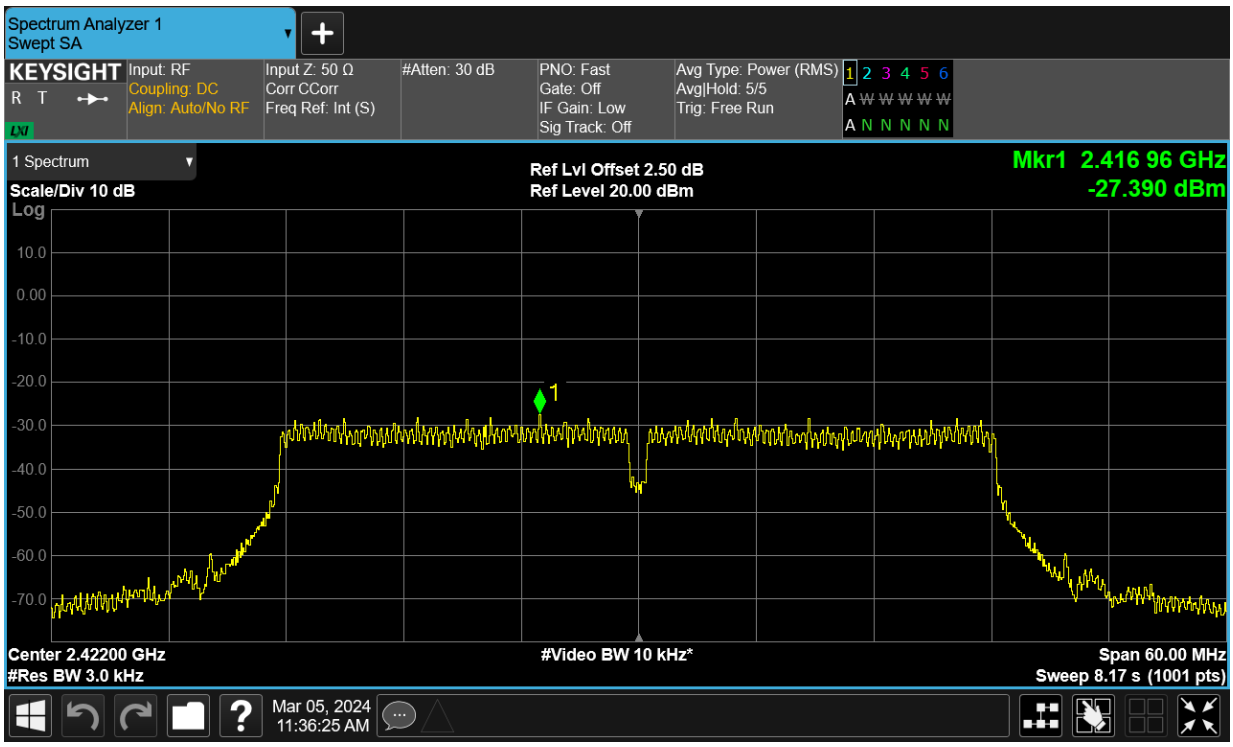

PSD NVNT n20 2462MHz Ant2



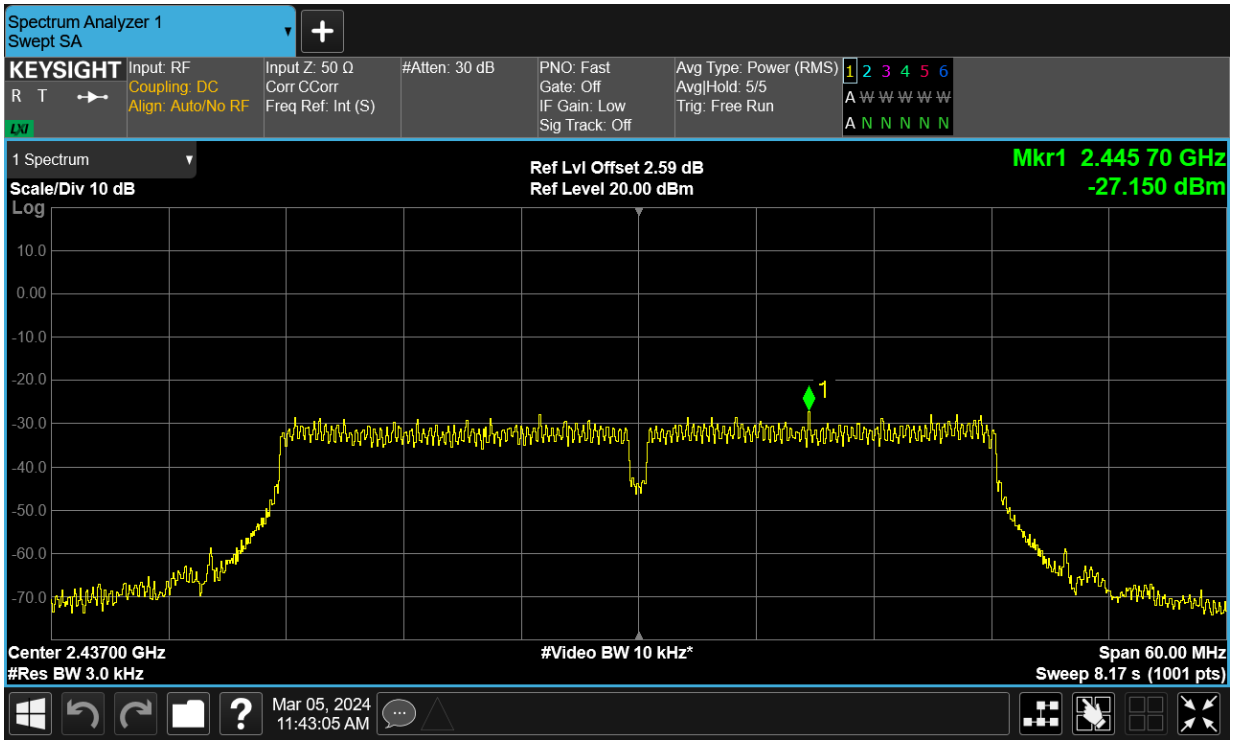

PSD NVNT n40 2422MHz Ant1




PSD NVNT n40 2422MHz Ant2




PSD NVNT n40 2437MHz Ant1

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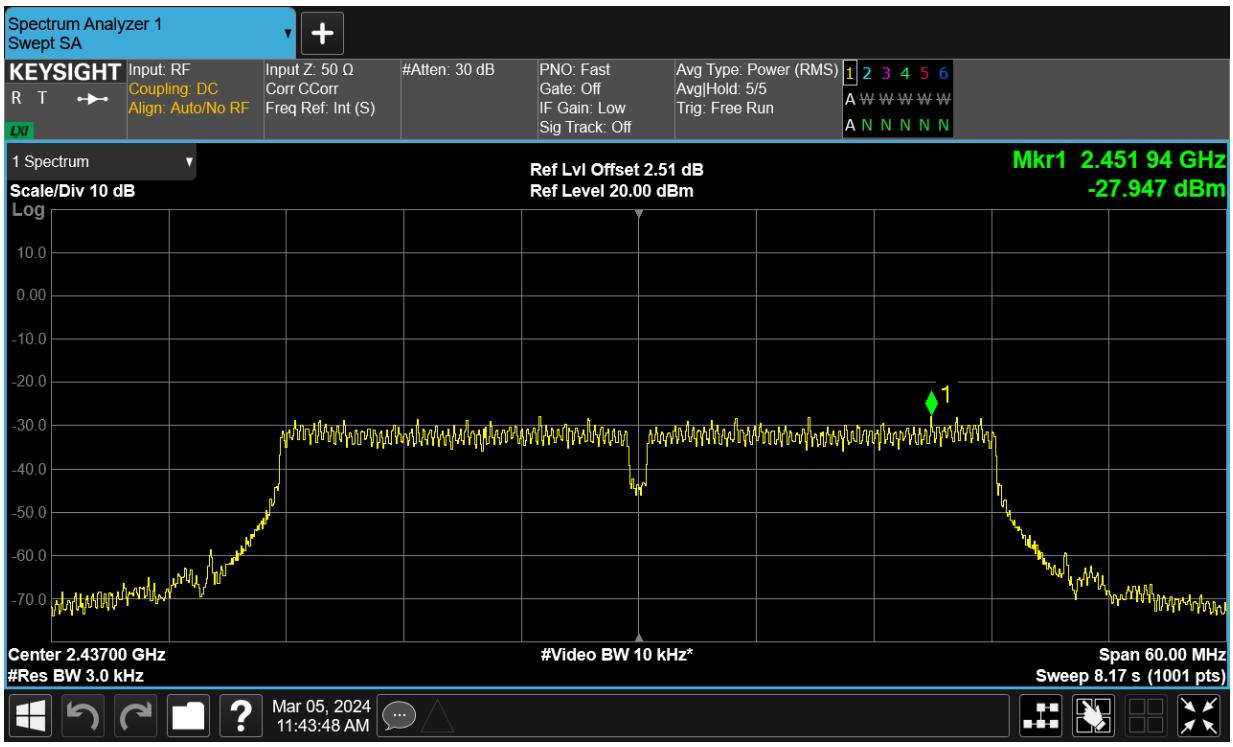
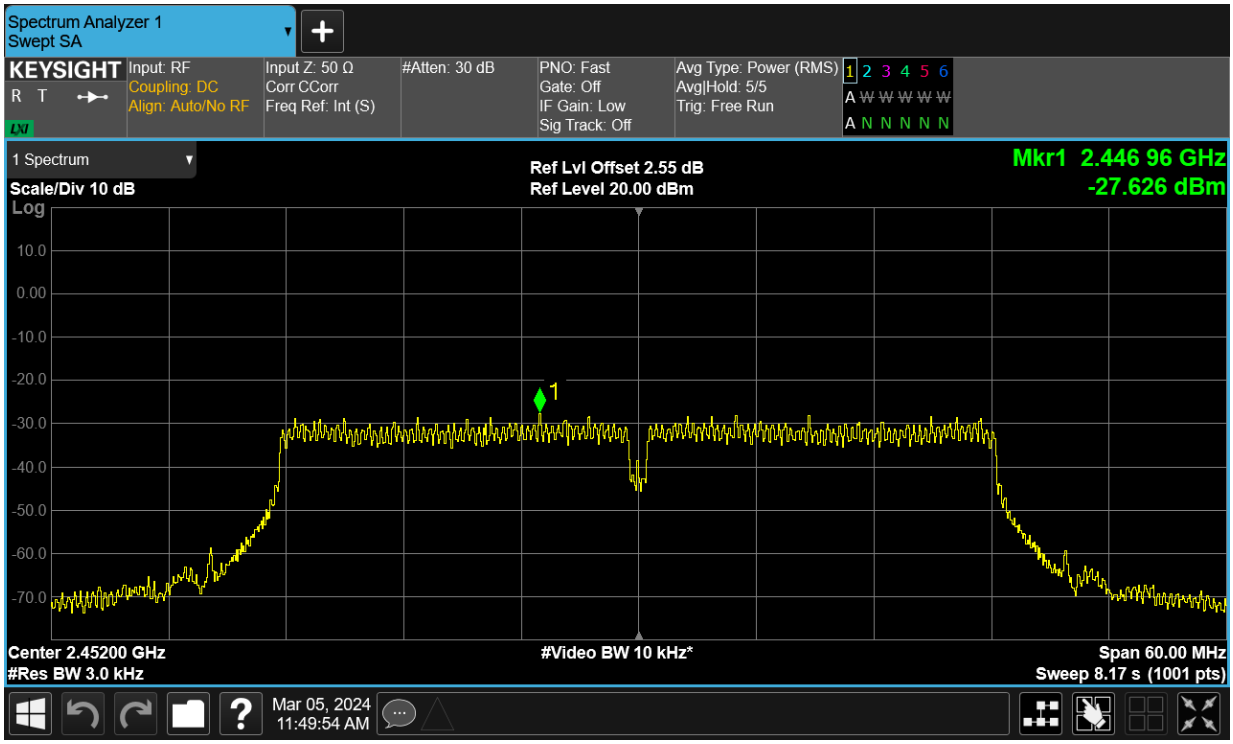



PSD NVNT n40 2452MHz Ant1




PSD NVNT n40 2452MHz Ant2