

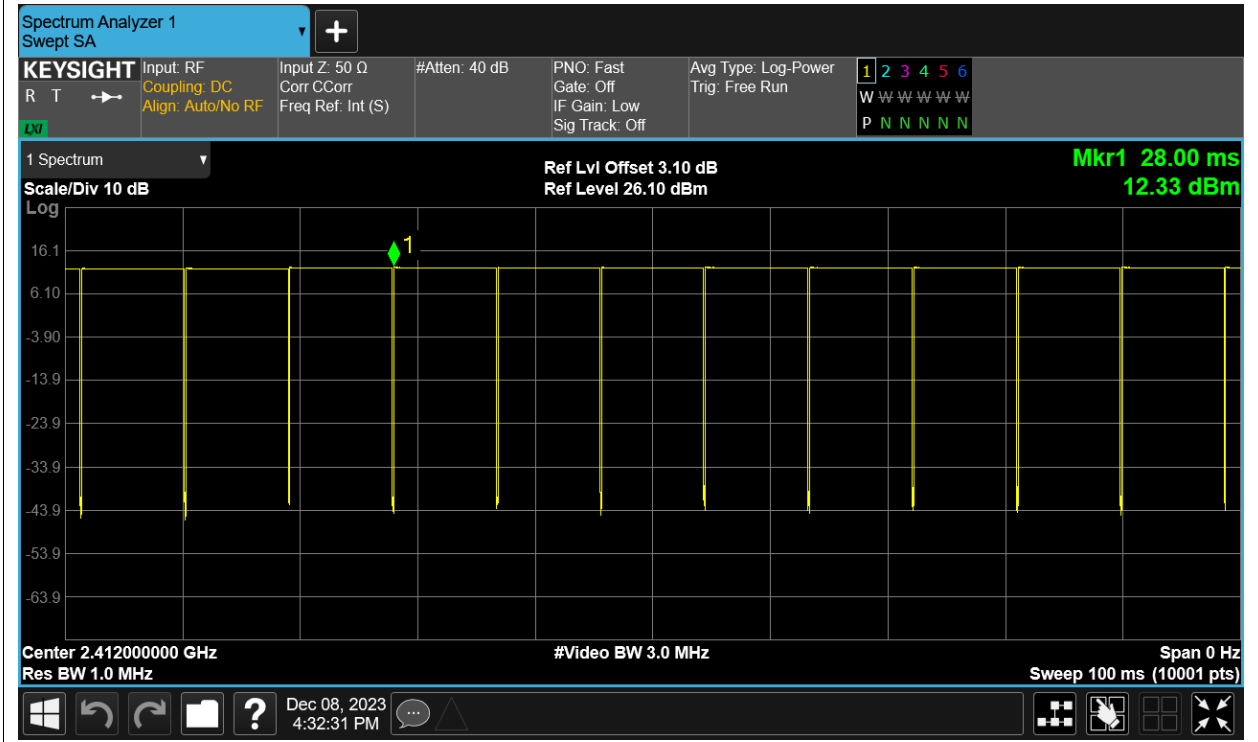
Test Data

Duty Cycle

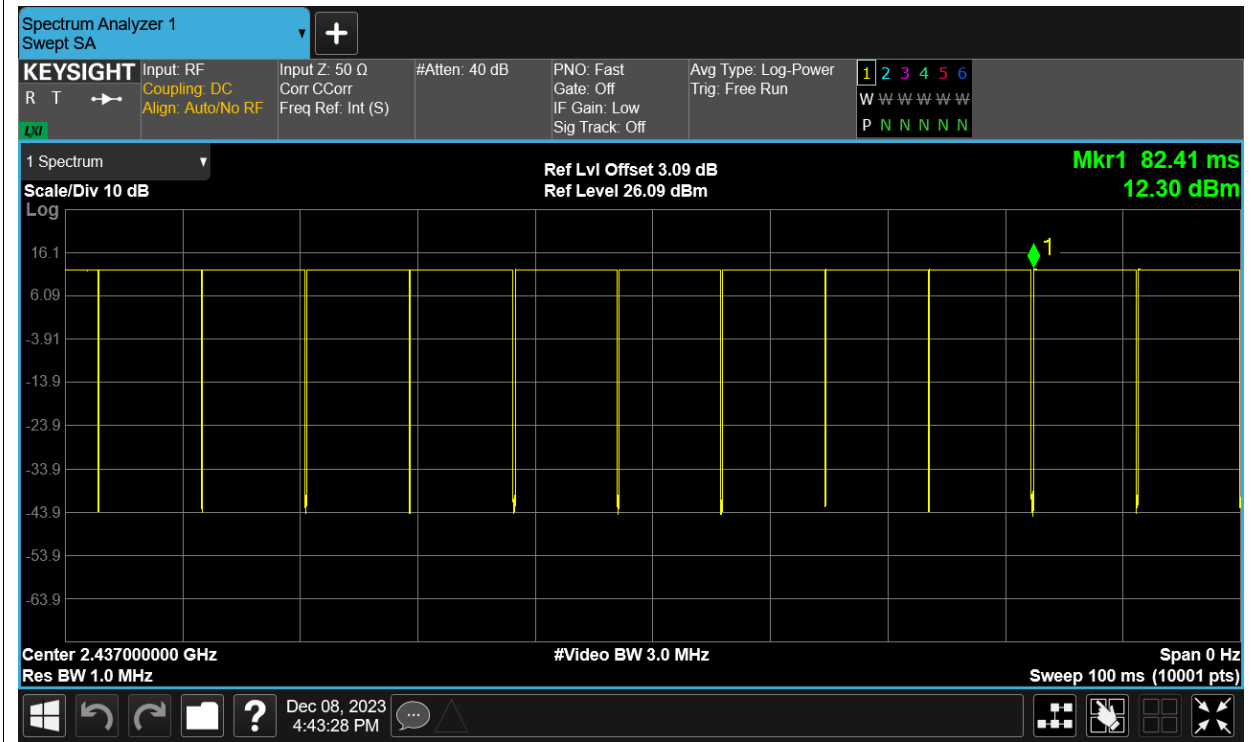
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT | b | 2412 | Ant1 | 98.36 | 0.07 |
| NVNT | b | 2437 | Ant1 | 98.61 | 0.06 |
| NVNT | b | 2462 | Ant1 | 98.83 | 0.05 |
| NVNT | b | 2412 | Ant2 | 98.59 | 0.06 |
| NVNT | b | 2437 | Ant2 | 98.67 | 0.06 |
| NVNT | b | 2462 | Ant2 | 98.86 | 0.05 |
| NVNT | g | 2412 | Ant1 | 91.59 | 0.38 |
| NVNT | g | 2437 | Ant1 | 91.26 | 0.4 |
| NVNT | g | 2462 | Ant1 | 91.73 | 0.37 |
| NVNT | g | 2412 | Ant2 | 91.61 | 0.38 |
| NVNT | g | 2437 | Ant2 | 91.43 | 0.39 |
| NVNT | g | 2462 | Ant2 | 91.81 | 0.37 |
| NVNT | n20 | 2412 | Sum | 84.12 | 0.75 |
| NVNT | n20 | 2437 | Sum | 83.31 | 0.79 |
| NVNT | n20 | 2462 | Sum | 84.39 | 0.74 |
| NVNT | n40 | 2422 | Sum | 72.35 | 1.41 |
| NVNT | n40 | 2437 | Sum | 72.34 | 1.41 |
| NVNT | n40 | 2452 | Sum | 72.21 | 1.41 |

Test Graphs

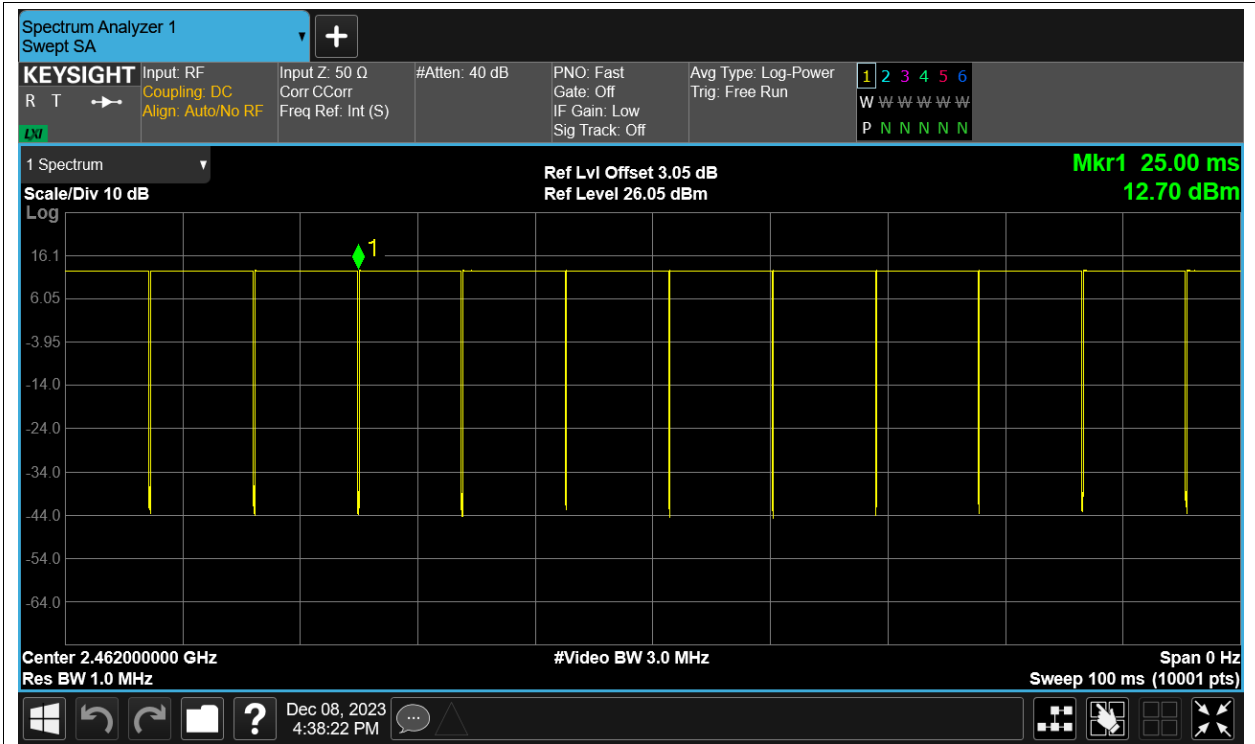
Duty Cycle NVNT b 2412MHz Ant1



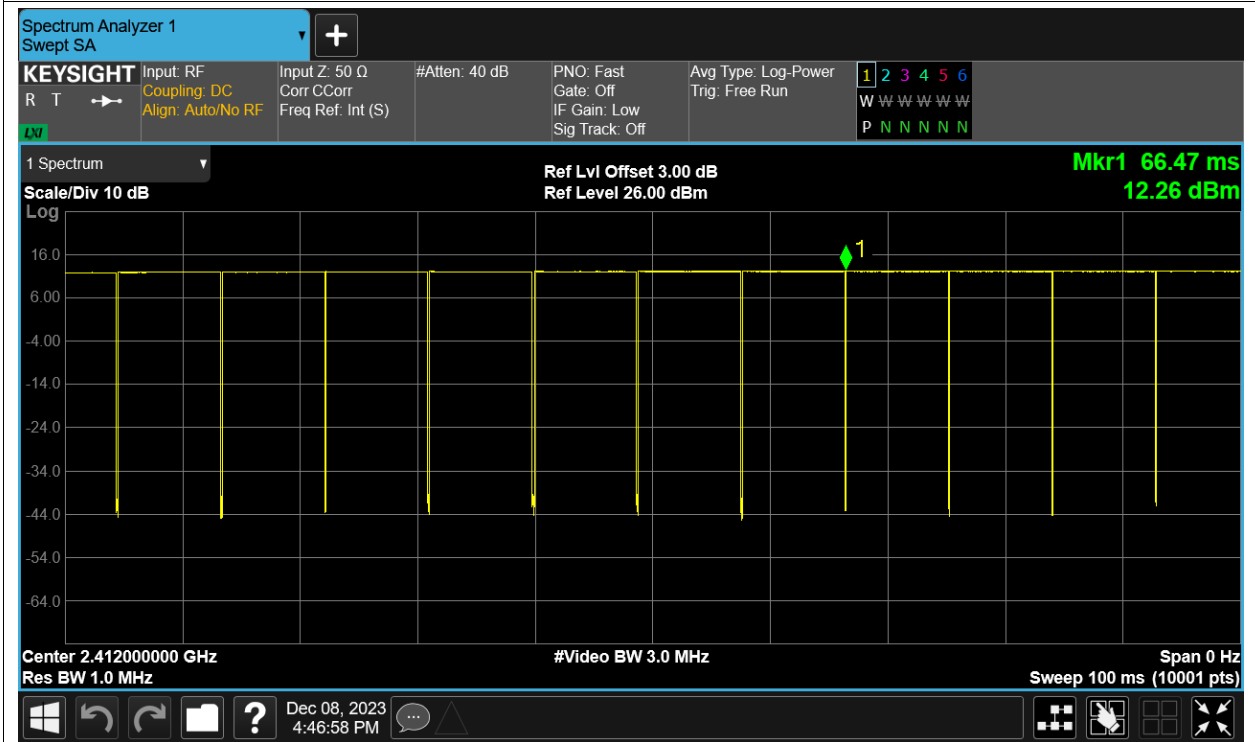
Duty Cycle NVNT b 2437MHz Ant1



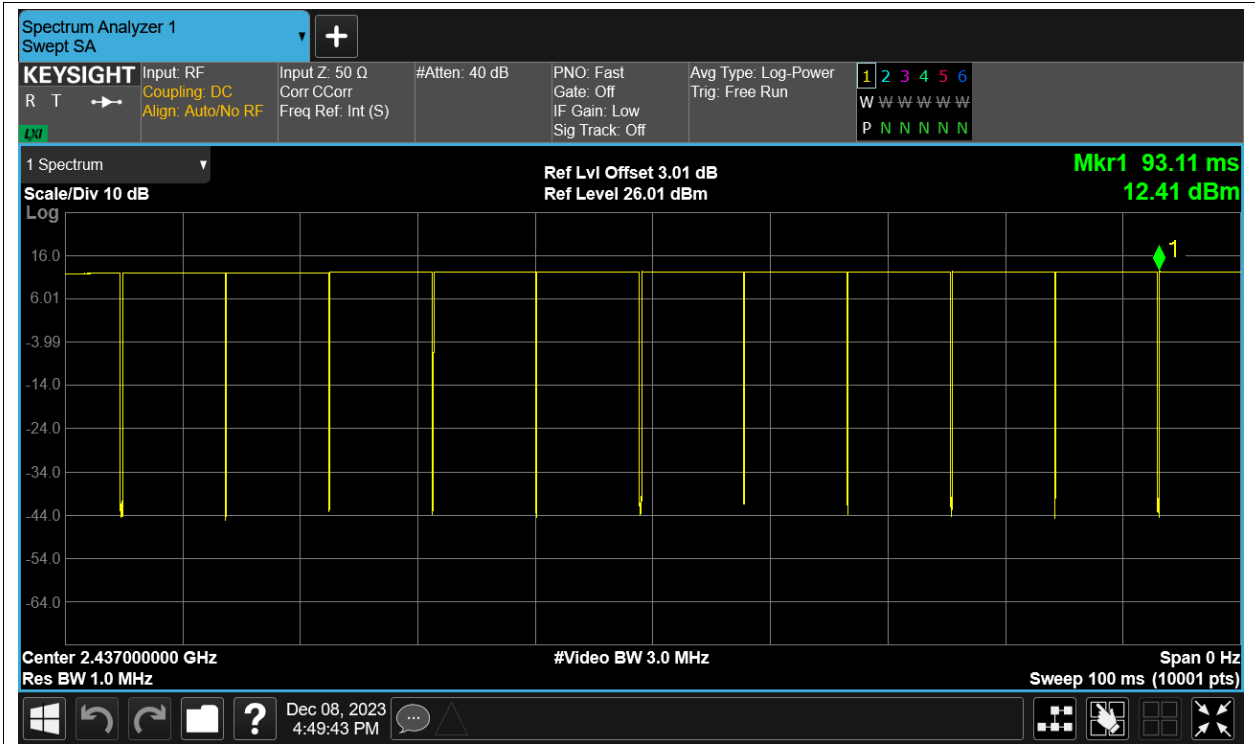
Duty Cycle NVNT b 2462MHz Ant1



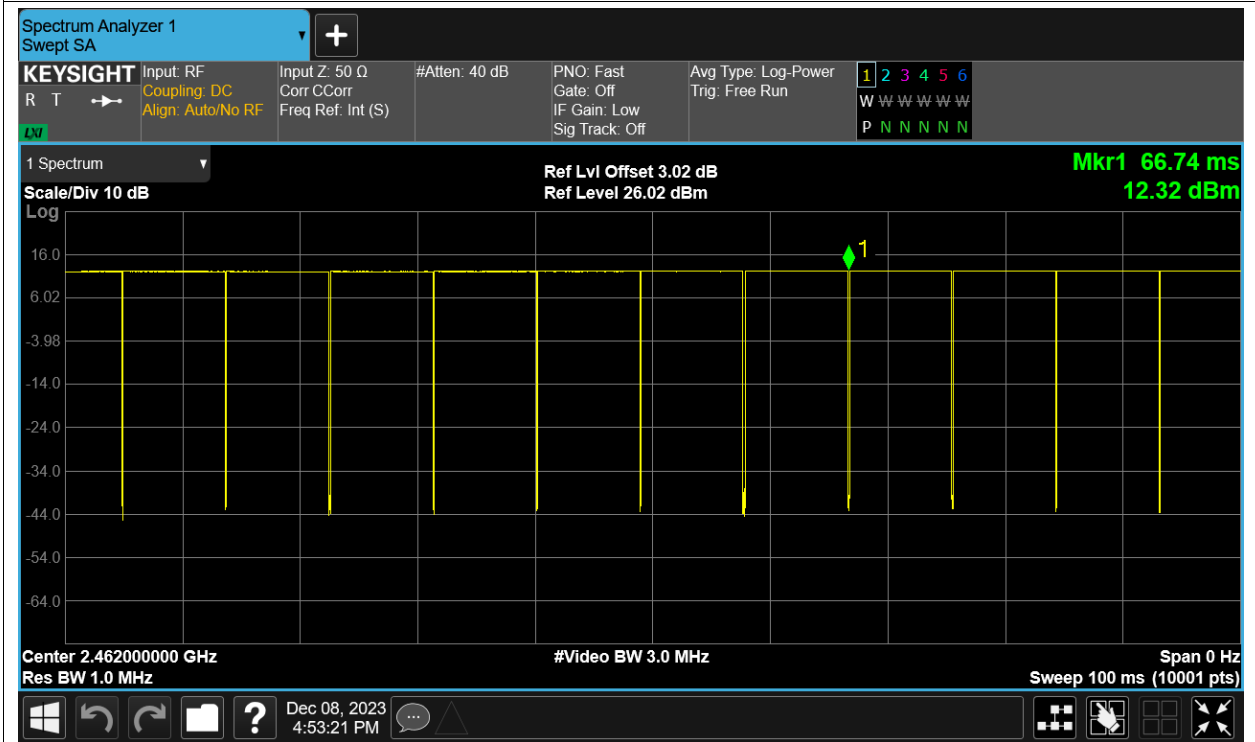
Duty Cycle NVNT b 2412MHz Ant2



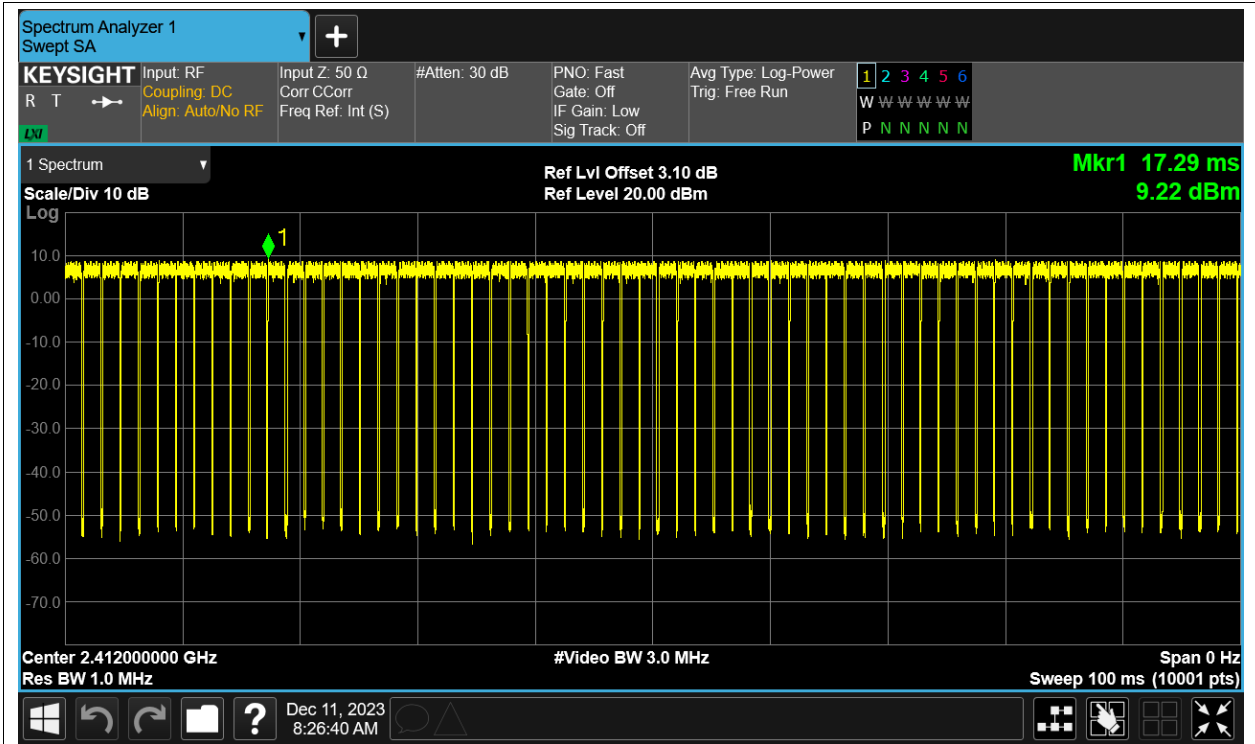
Duty Cycle NVNT b 2437MHz Ant2



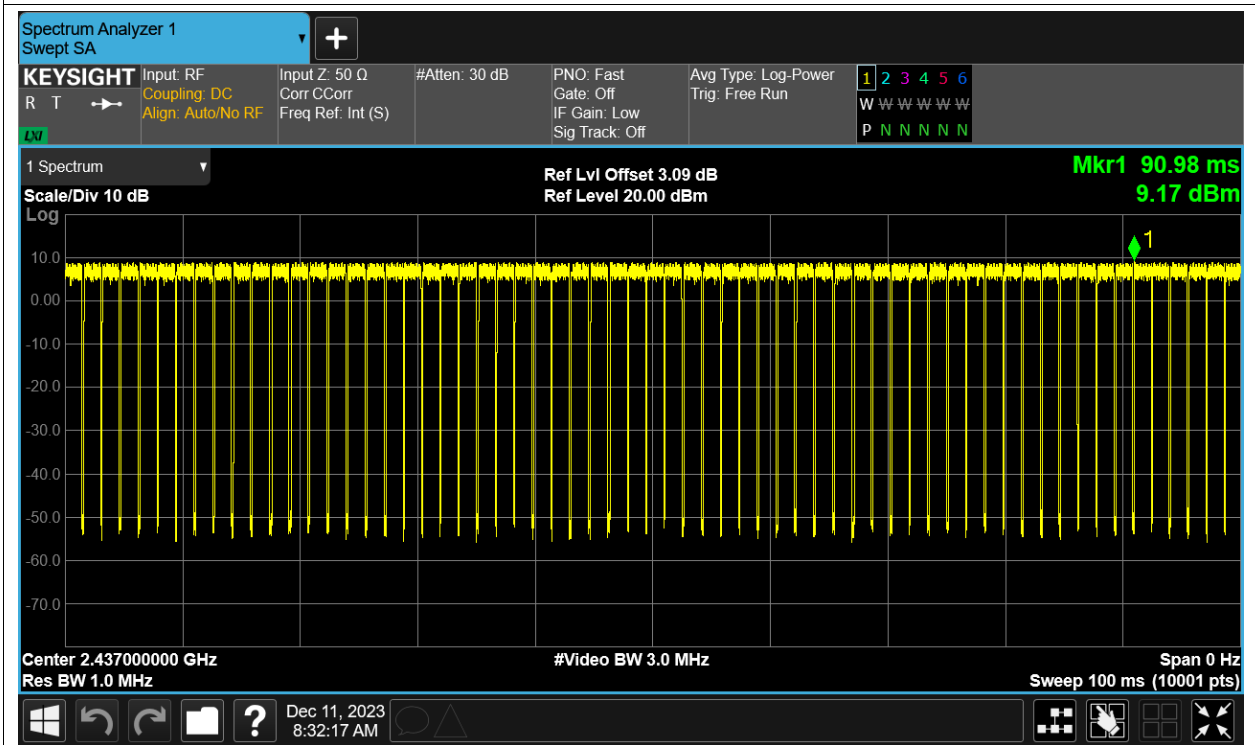
Duty Cycle NVNT b 2462MHz Ant2



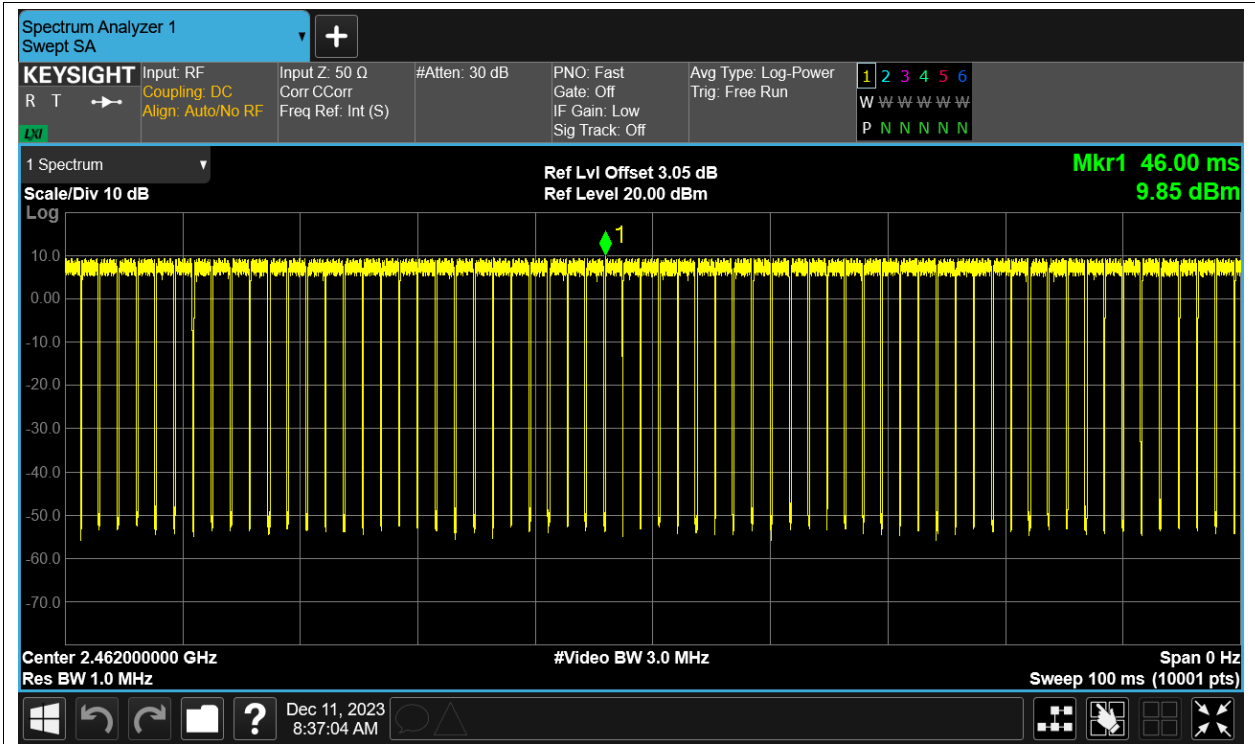
Duty Cycle NVNT g 2412MHz Ant1



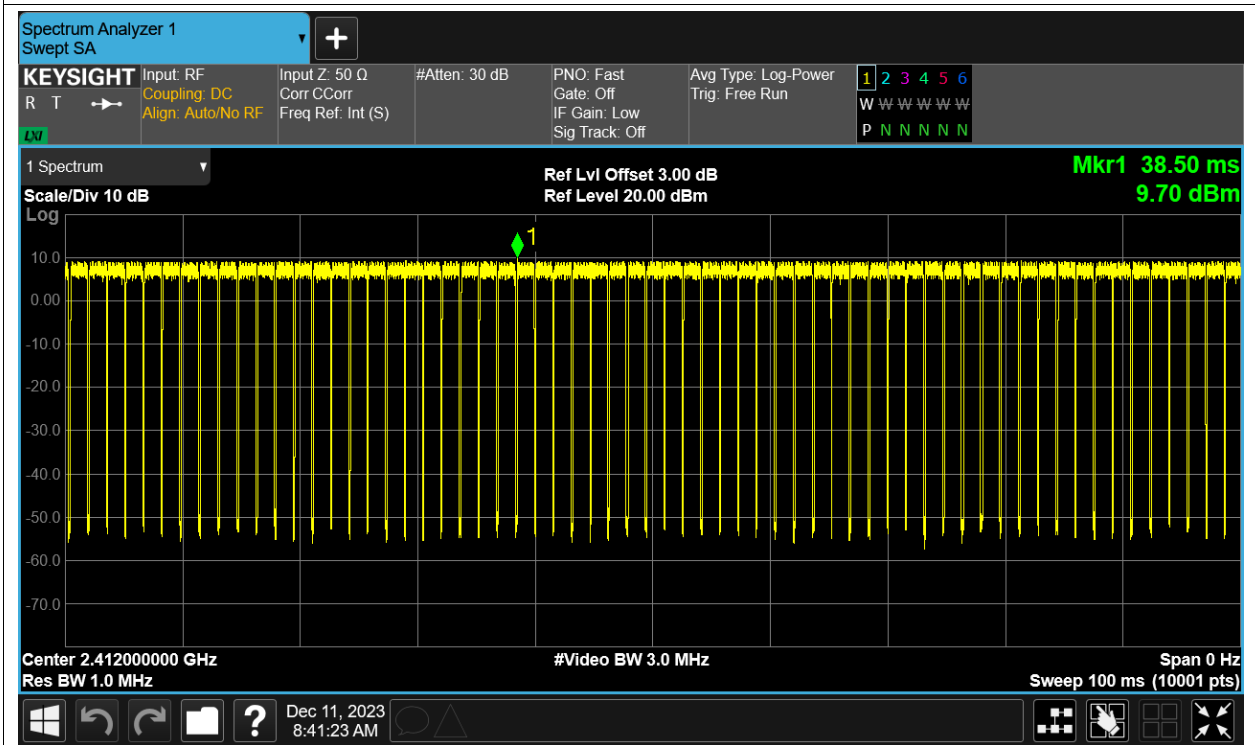
Duty Cycle NVNT g 2437MHz Ant1



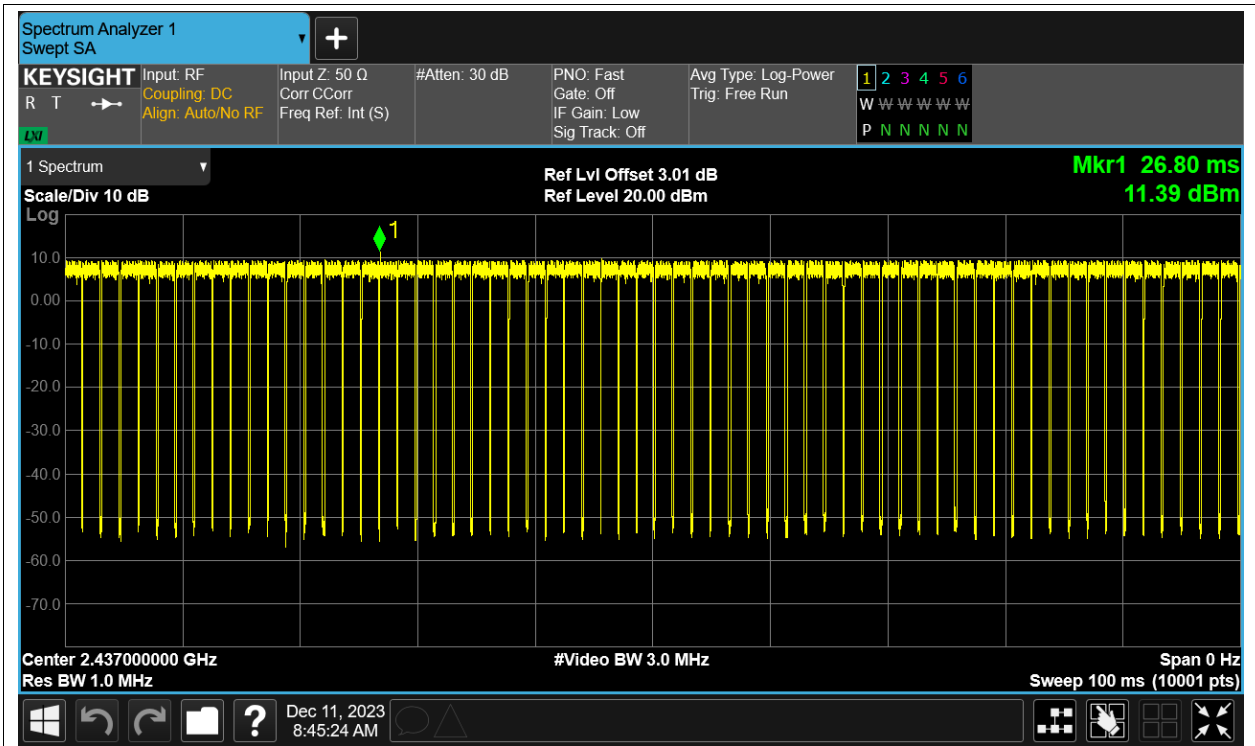
Duty Cycle NVNT g 2462MHz Ant1



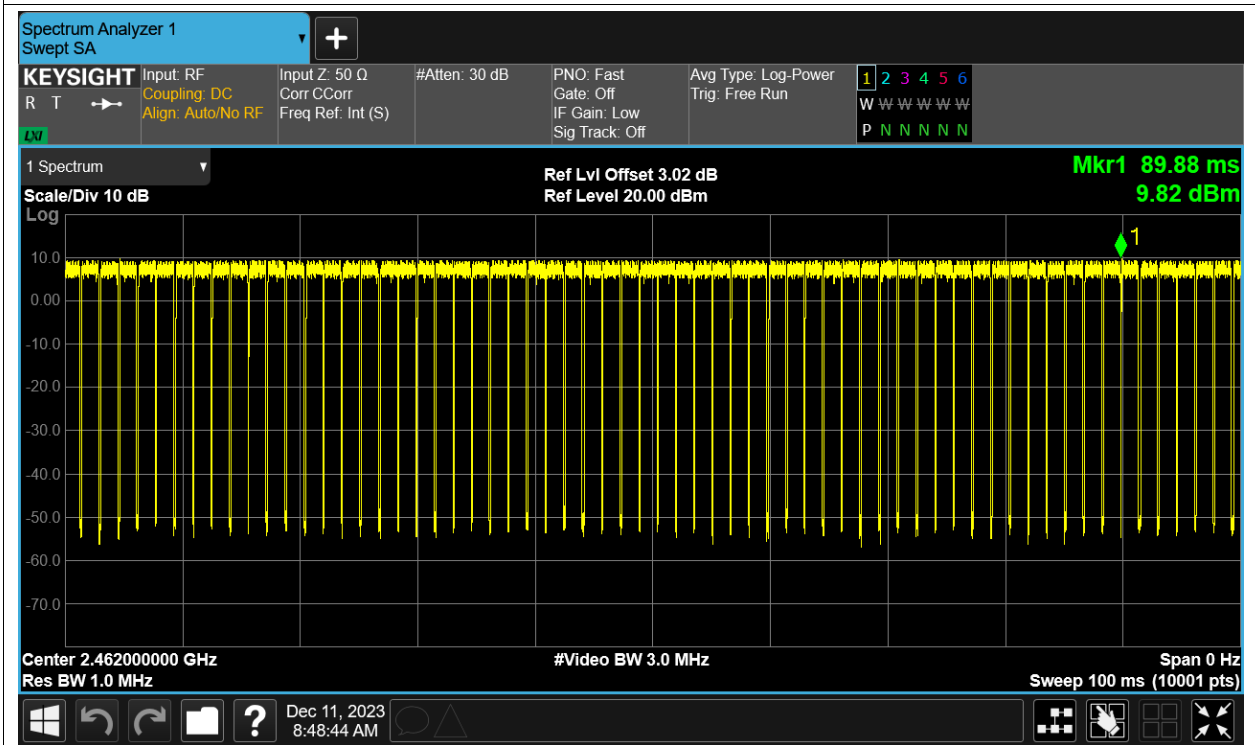
Duty Cycle NVNT g 2412MHz Ant2



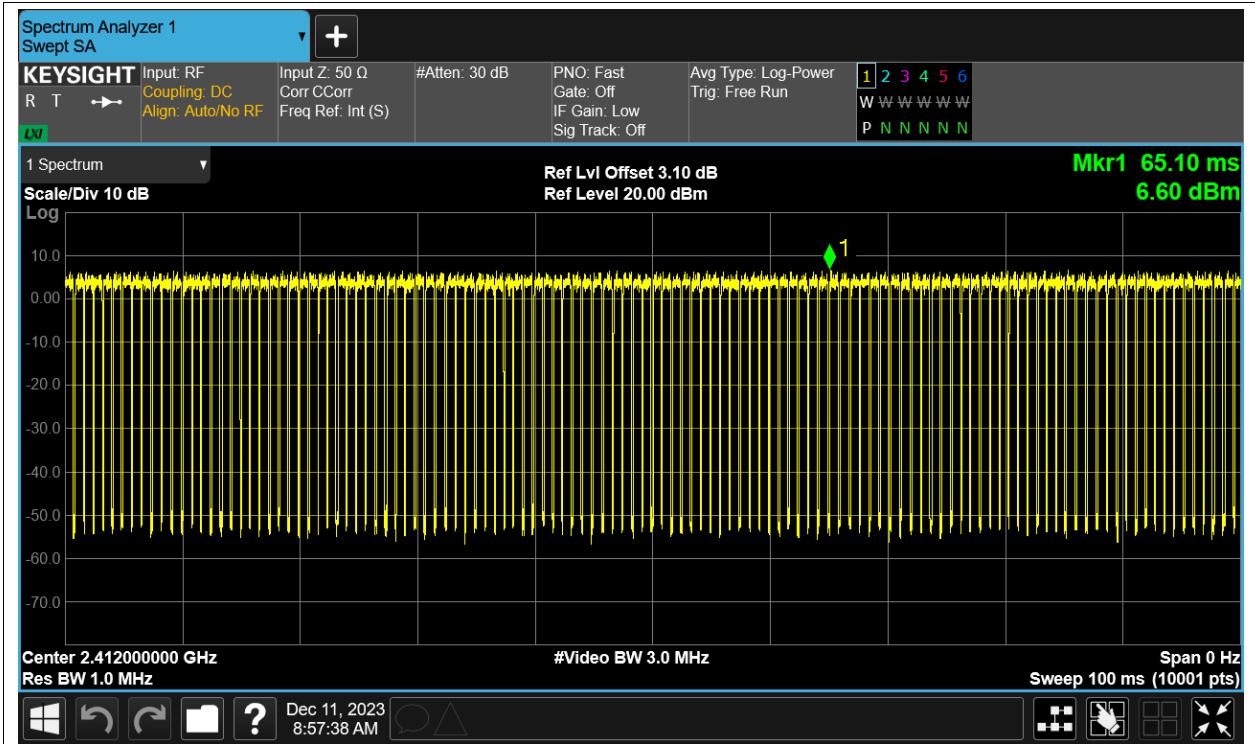
Duty Cycle NVNT g 2437MHz Ant2



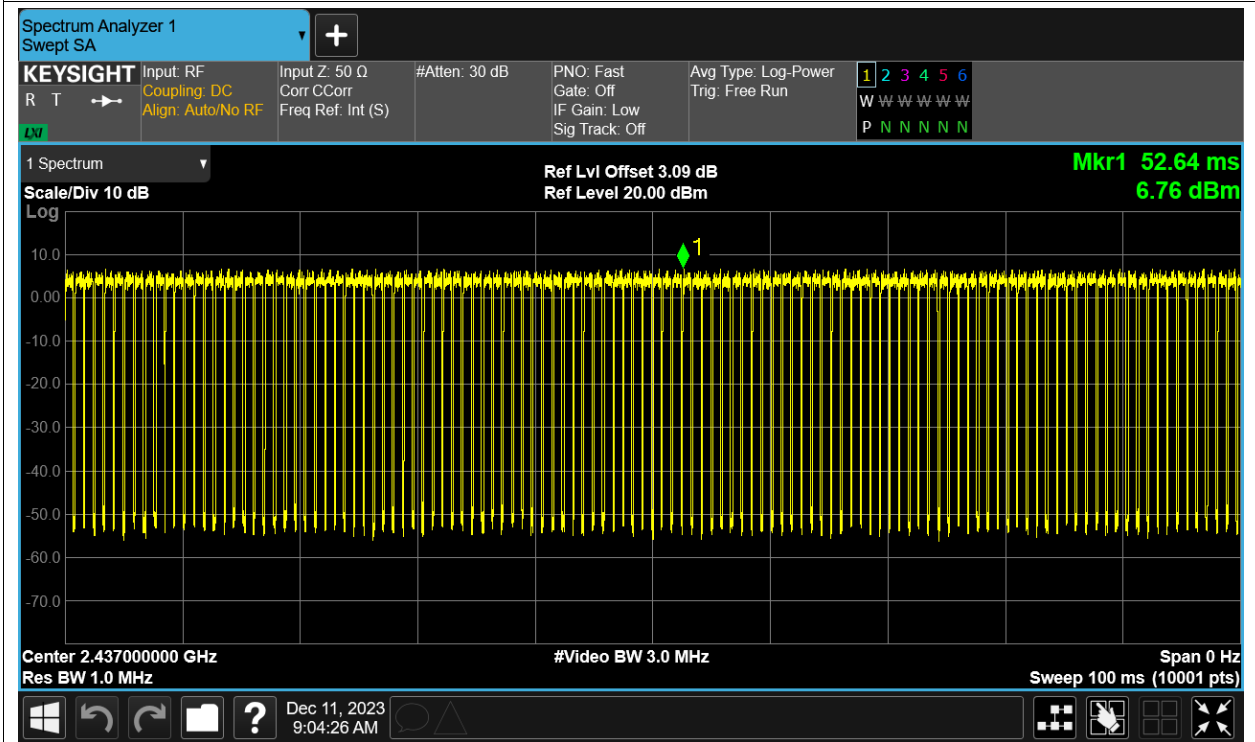
Duty Cycle NVNT g 2462MHz Ant2



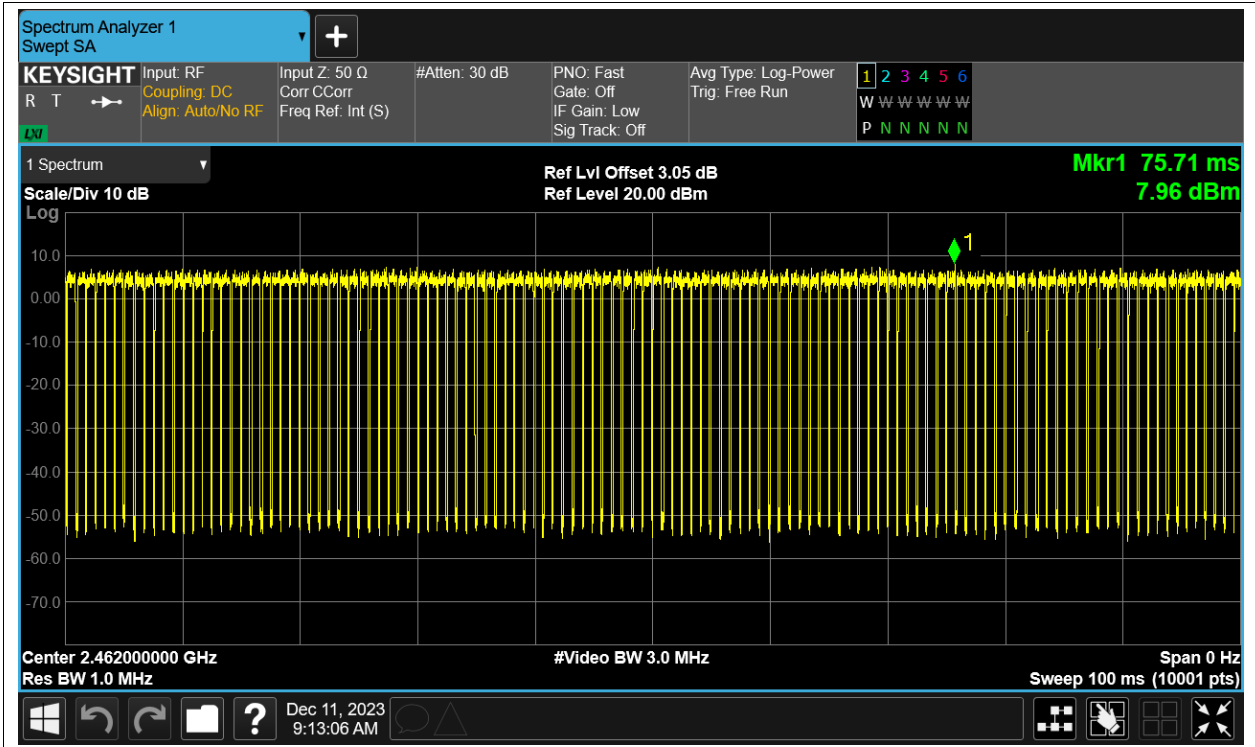
Duty Cycle NVNT n20 2412MHz Sum



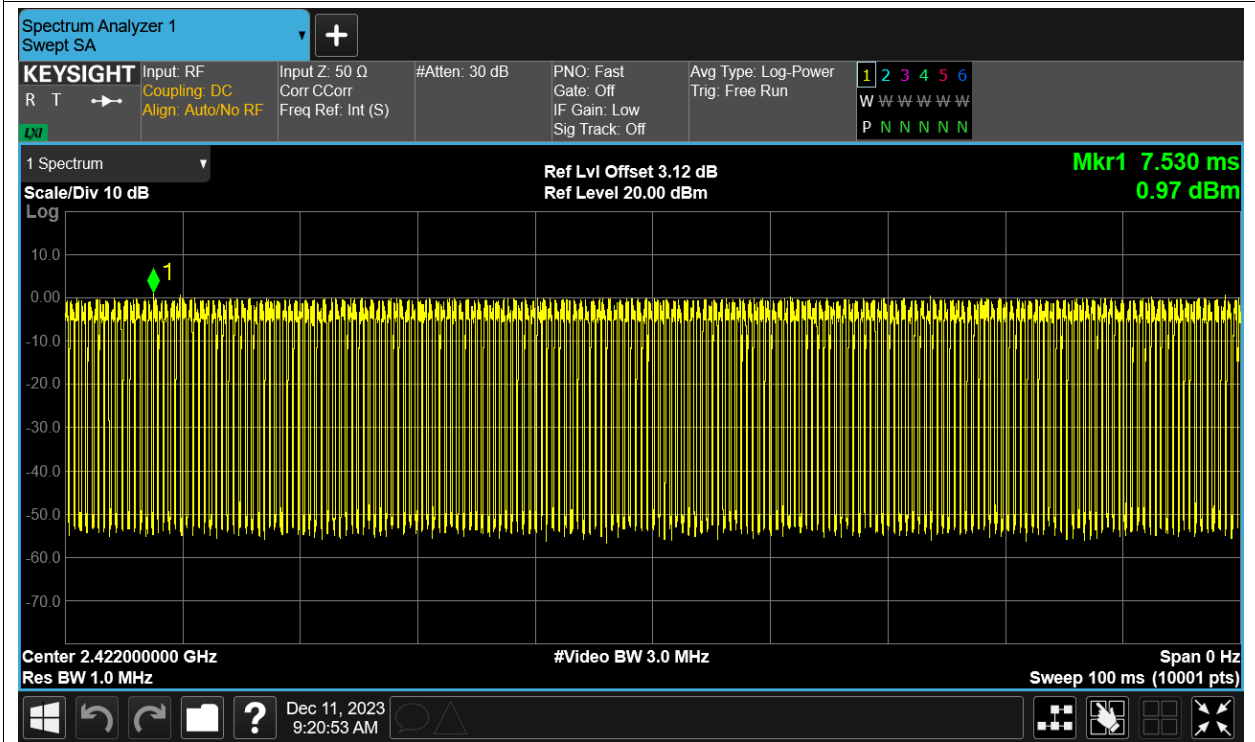
Duty Cycle NVNT n20 2437MHz Sum



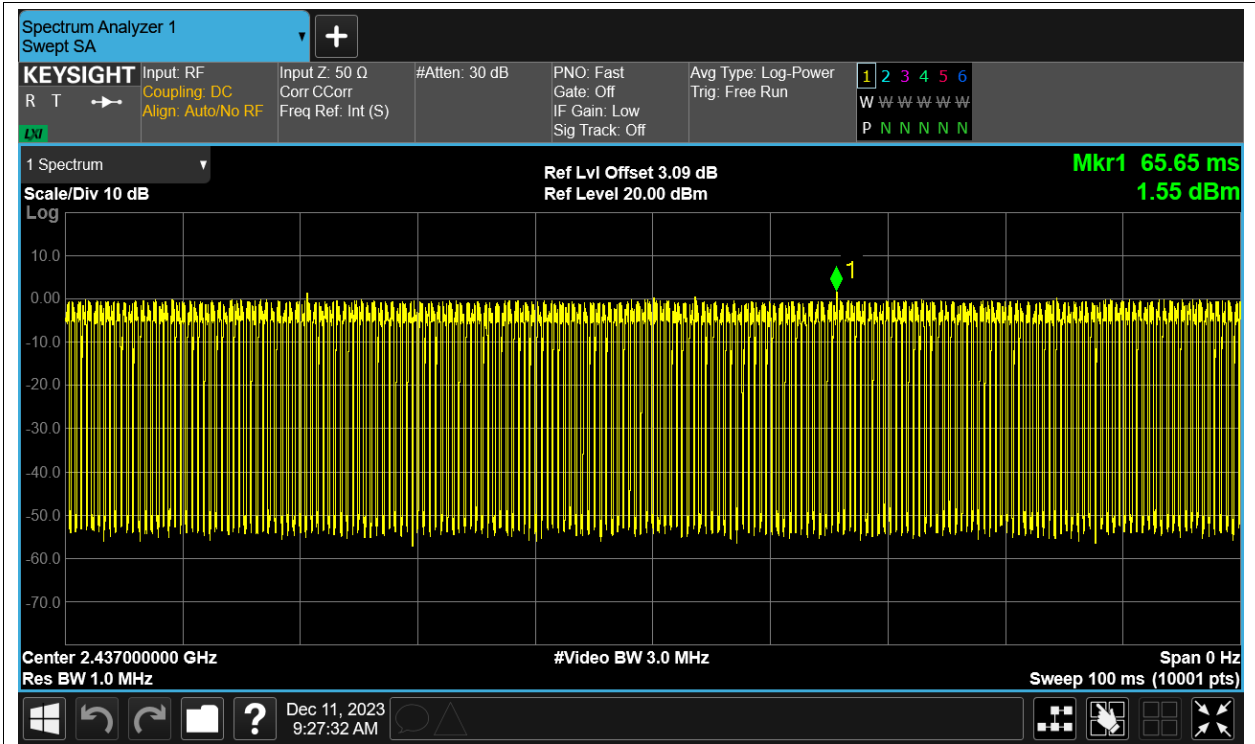
Duty Cycle NVNT n20 2462MHz Sum



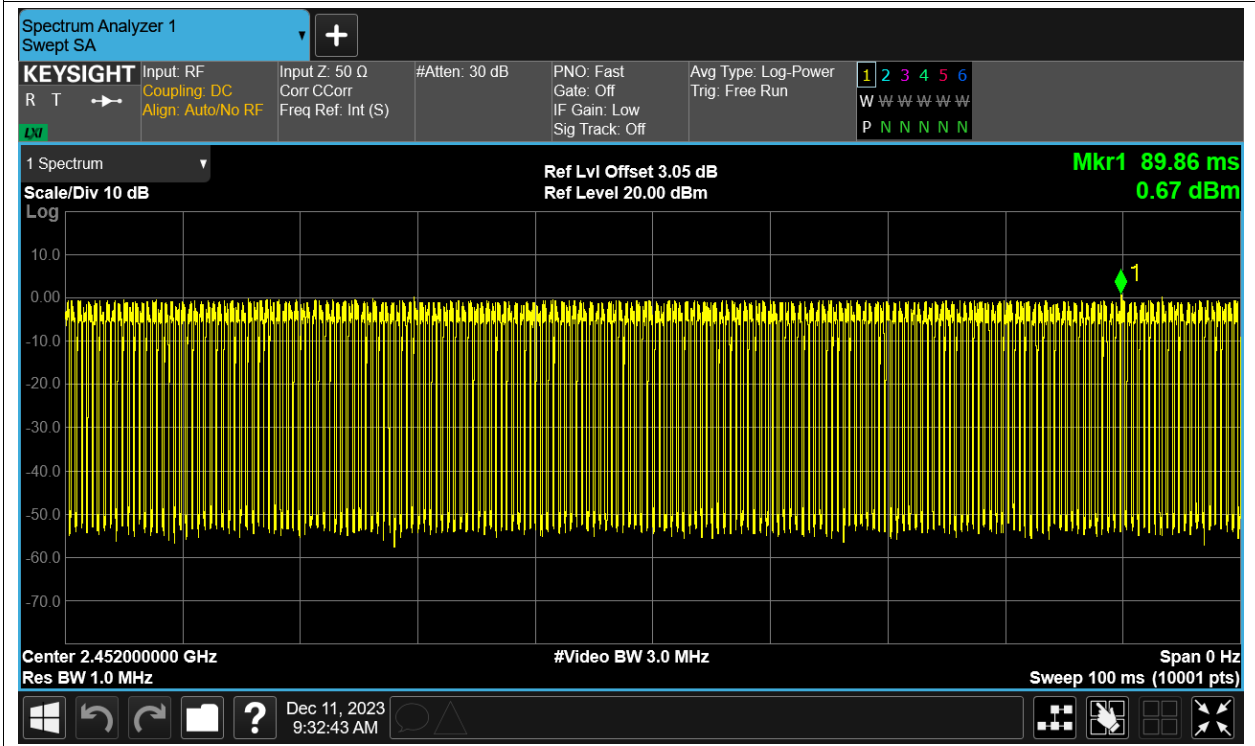
Duty Cycle NVNT n40 2422MHz Sum



Duty Cycle NVNT n40 2437MHz Sum



Duty Cycle NVNT n40 2452MHz Sum



Maximum Conducted Output Power

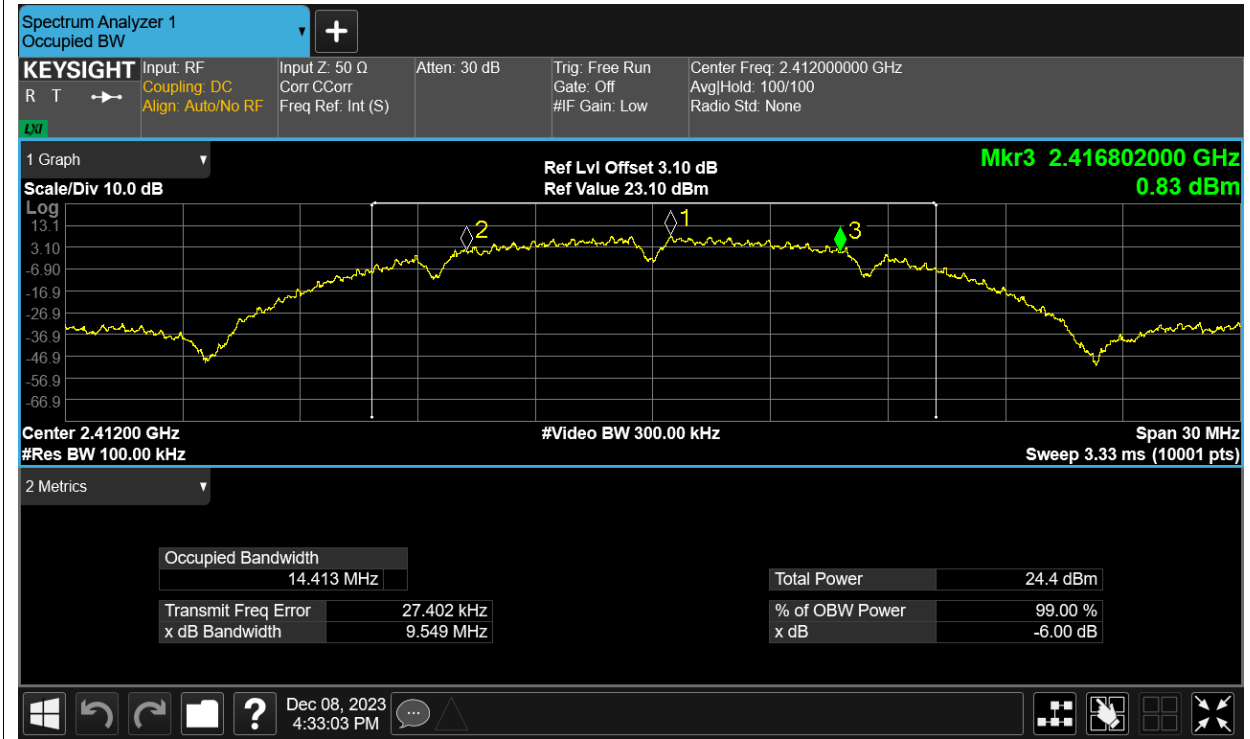
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | 18.28 | 0.07 | 18.35 | 30 | Pass |
| NVNT | b | 2437 | Ant1 | 17.82 | 0.06 | 17.88 | 30 | Pass |
| NVNT | b | 2462 | Ant1 | 18.52 | 0.05 | 18.57 | 30 | Pass |
| NVNT | b | 2412 | Ant2 | 17.85 | 0.06 | 17.91 | 30 | Pass |
| NVNT | b | 2437 | Ant2 | 18.22 | 0.06 | 18.28 | 30 | Pass |
| NVNT | b | 2462 | Ant2 | 17.94 | 0.05 | 17.99 | 30 | Pass |
| NVNT | g | 2412 | Ant1 | 13.12 | 0.38 | 13.5 | 30 | Pass |
| NVNT | g | 2437 | Ant1 | 12.83 | 0.4 | 13.23 | 30 | Pass |
| NVNT | g | 2462 | Ant1 | 13.35 | 0.37 | 13.72 | 30 | Pass |
| NVNT | g | 2412 | Ant2 | 13.14 | 0.38 | 13.52 | 30 | Pass |
| NVNT | g | 2437 | Ant2 | 13.47 | 0.39 | 13.86 | 30 | Pass |
| NVNT | g | 2462 | Ant2 | 13.21 | 0.37 | 13.58 | 30 | Pass |
| NVNT | n20 | 2412 | Ant1 | 10.18 | 0.75 | 10.93 | 30 | Pass |
| NVNT | n20 | 2412 | Ant2 | 10.42 | 0.75 | 11.17 | 30 | Pass |
| NVNT | n20 | 2412 | Sum | 13.312 | 0.75 | 14.062 | 30 | Pass |
| NVNT | n20 | 2437 | Ant1 | 9.78 | 0.79 | 10.57 | 30 | Pass |
| NVNT | n20 | 2437 | Ant2 | 10.83 | 0.79 | 11.62 | 30 | Pass |
| NVNT | n20 | 2437 | Sum | 13.347 | 0.79 | 14.137 | 30 | Pass |
| NVNT | n20 | 2462 | Ant1 | 10.25 | 0.74 | 10.99 | 30 | Pass |
| NVNT | n20 | 2462 | Ant2 | 10.57 | 0.74 | 11.31 | 30 | Pass |
| NVNT | n20 | 2462 | Sum | 13.423 | 0.74 | 14.163 | 30 | Pass |
| NVNT | n40 | 2422 | Ant1 | 9.1 | 1.41 | 10.51 | 30 | Pass |
| NVNT | n40 | 2422 | Ant2 | 9.66 | 1.41 | 11.07 | 30 | Pass |
| NVNT | n40 | 2422 | Sum | 12.399 | 1.41 | 13.809 | 30 | Pass |
| NVNT | n40 | 2437 | Ant1 | 8.87 | 1.41 | 10.28 | 30 | Pass |
| NVNT | n40 | 2437 | Ant2 | 9.92 | 1.41 | 11.33 | 30 | Pass |
| NVNT | n40 | 2437 | Sum | 12.437 | 1.41 | 13.847 | 30 | Pass |
| NVNT | n40 | 2452 | Ant1 | 8.81 | 1.41 | 10.22 | 30 | Pass |
| NVNT | n40 | 2452 | Ant2 | 9.57 | 1.41 | 10.98 | 30 | Pass |
| NVNT | n40 | 2452 | Sum | 12.217 | 1.41 | 13.627 | 30 | Pass |

-6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | limit | Verdic |
|-----------|------|-----------------|---------|-----------------------|-------|--------|
| NVNT | b | 2412 | Ant1 | 9.549 | 0.5 | Pass |
| NVNT | b | 2437 | Ant1 | 9.547 | 0.5 | Pass |
| NVNT | b | 2462 | Ant1 | 9.967 | 0.5 | Pass |
| NVNT | b | 2412 | Ant2 | 9.553 | 0.5 | Pass |
| NVNT | b | 2437 | Ant2 | 9.983 | 0.5 | Pass |
| NVNT | b | 2462 | Ant2 | 9.579 | 0.5 | Pass |
| NVNT | g | 2412 | Ant1 | 15.19 | 0.5 | Pass |
| NVNT | g | 2437 | Ant1 | 14.396 | 0.5 | Pass |
| NVNT | g | 2462 | Ant1 | 13.814 | 0.5 | Pass |
| NVNT | g | 2412 | Ant2 | 14.974 | 0.5 | Pass |
| NVNT | g | 2437 | Ant2 | 13.16 | 0.5 | Pass |
| NVNT | g | 2462 | Ant2 | 15.09 | 0.5 | Pass |
| NVNT | n20 | 2412 | Ant1 | 15.093 | 0.5 | Pass |
| NVNT | n20 | 2412 | Ant2 | 15.111 | 0.5 | Pass |
| NVNT | n20 | 2437 | Ant1 | 15.104 | 0.5 | Pass |
| NVNT | n20 | 2437 | Ant2 | 15.113 | 0.5 | Pass |
| NVNT | n20 | 2462 | Ant1 | 15.097 | 0.5 | Pass |
| NVNT | n20 | 2462 | Ant2 | 15.112 | 0.5 | Pass |
| NVNT | n40 | 2422 | Ant1 | 35.071 | 0.5 | Pass |
| NVNT | n40 | 2422 | Ant2 | 35.068 | 0.5 | Pass |
| NVNT | n40 | 2437 | Ant1 | 35.089 | 0.5 | Pass |
| NVNT | n40 | 2437 | Ant2 | 35.087 | 0.5 | Pass |
| NVNT | n40 | 2452 | Ant1 | 35.05 | 0.5 | Pass |
| NVNT | n40 | 2452 | Ant2 | 32.562 | 0.5 | Pass |

Test Graphs

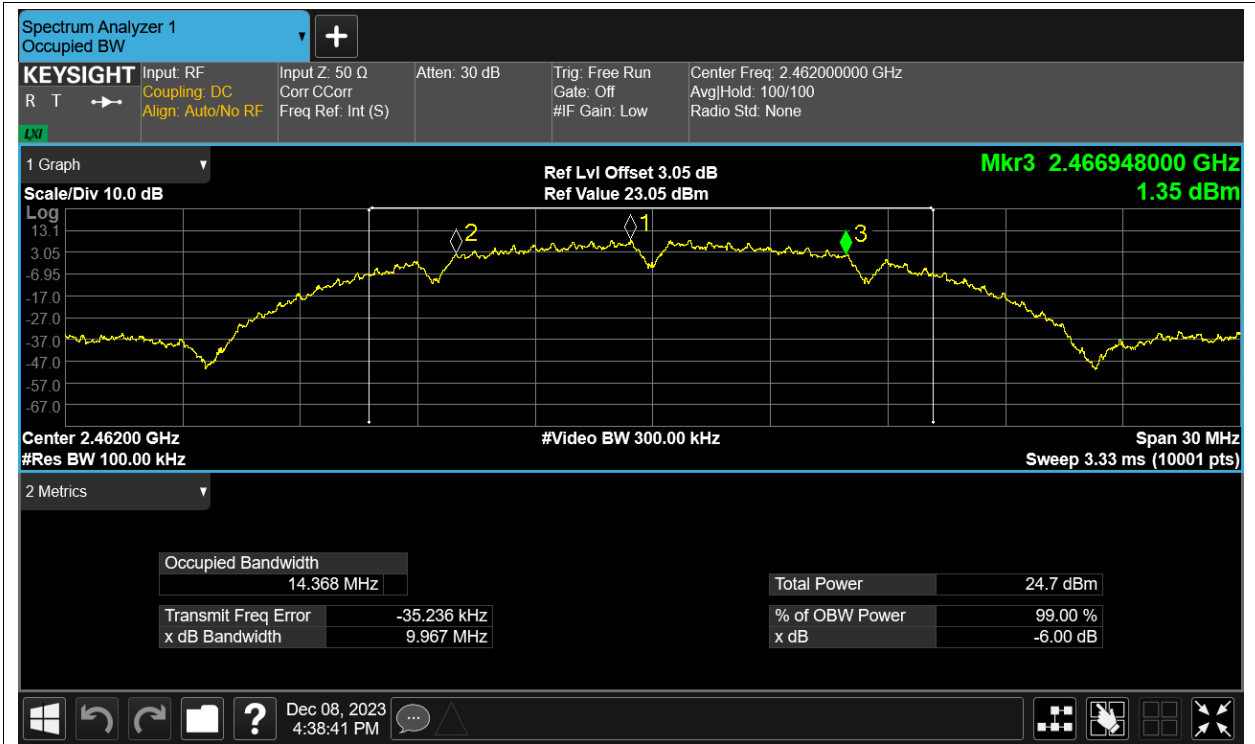
-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



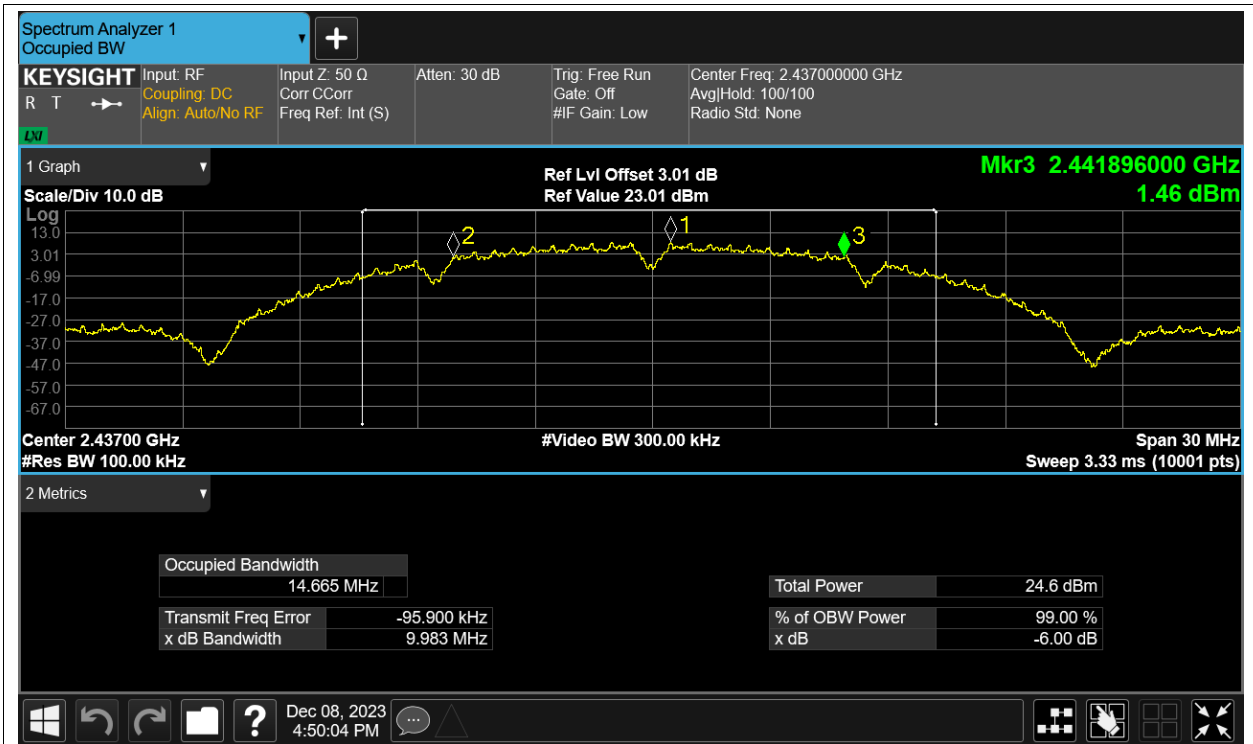
-6dB Bandwidth NVNT b 2462MHz Ant1



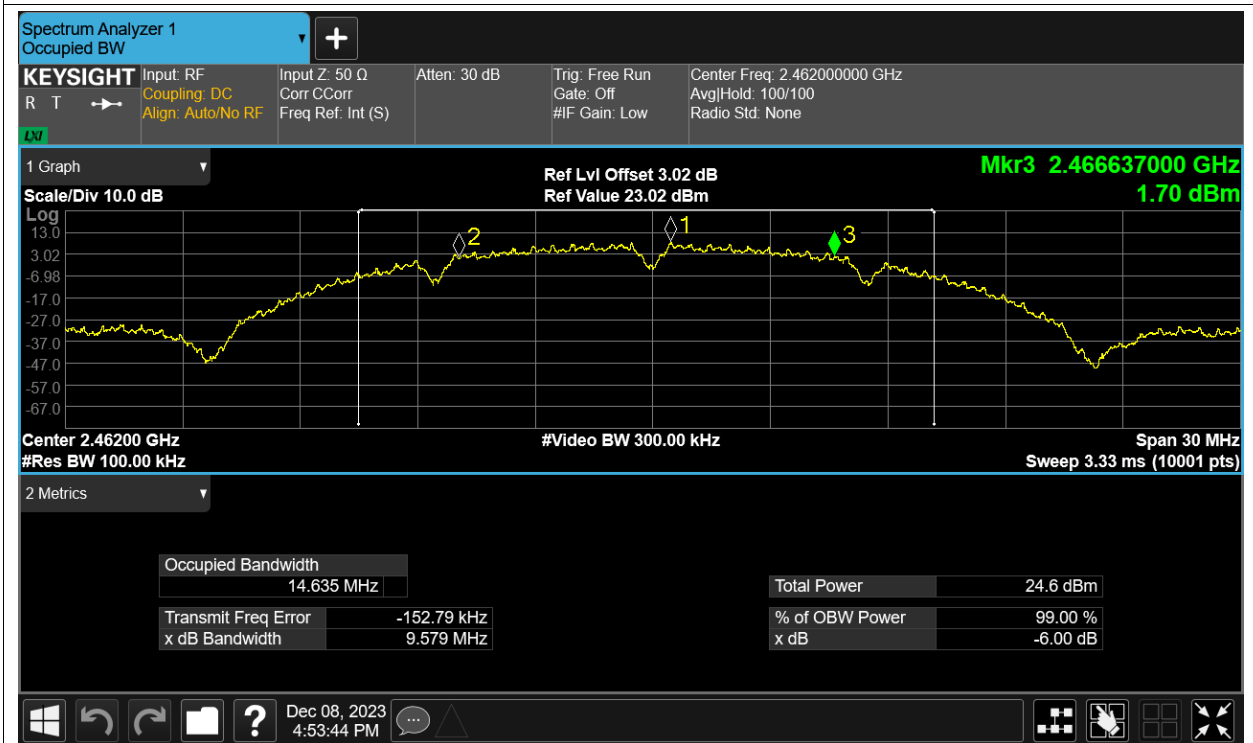
-6dB Bandwidth NVNT b 2412MHz Ant2



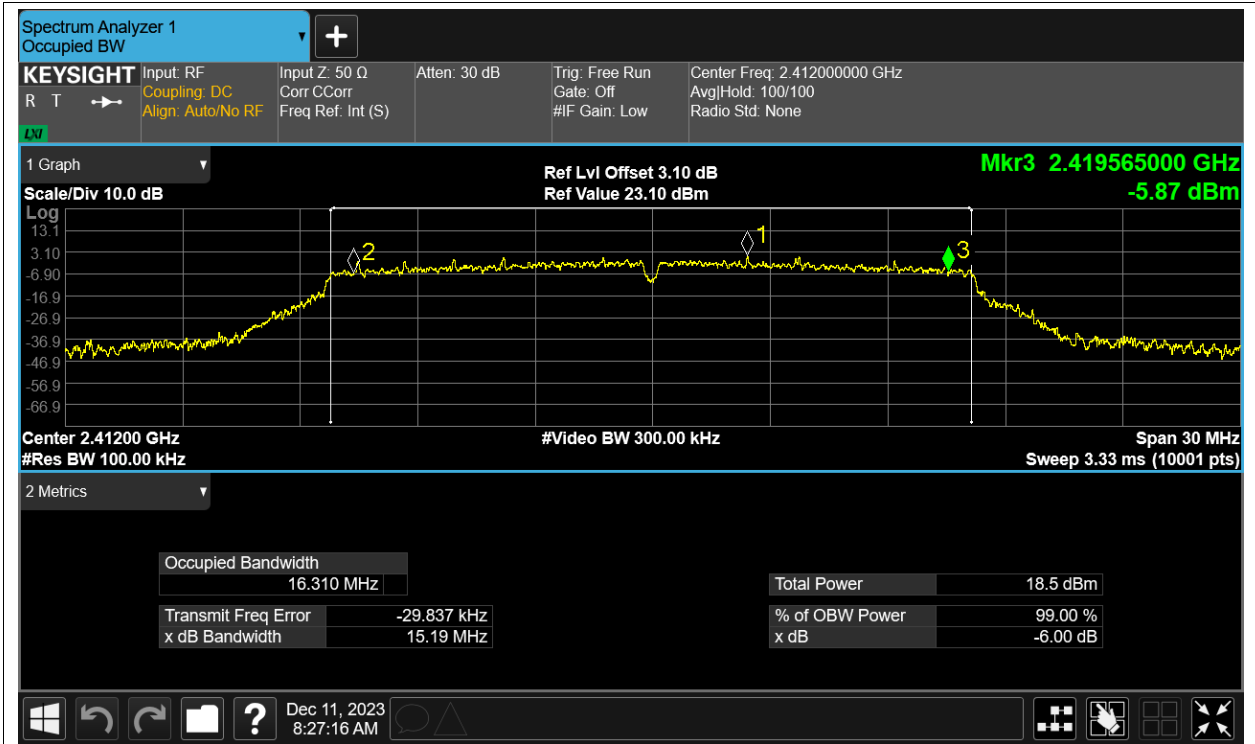
-6dB Bandwidth NVNT b 2437MHz Ant2



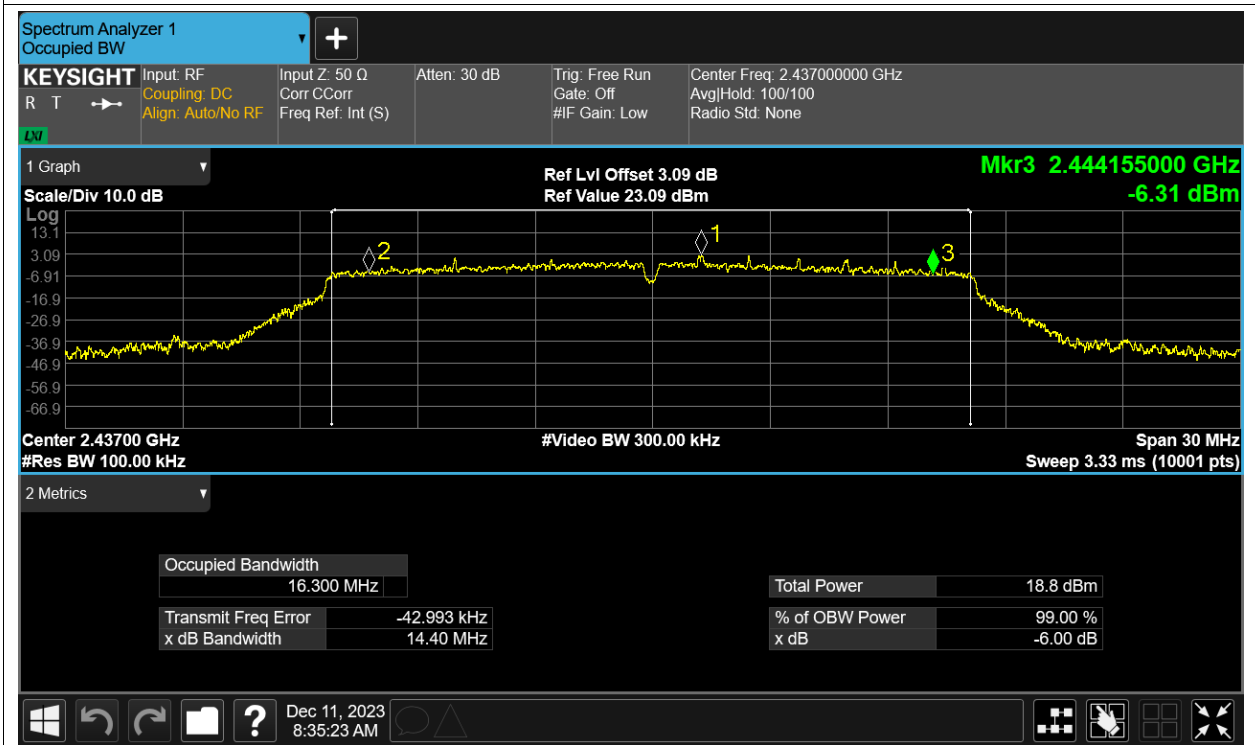
-6dB Bandwidth NVNT b 2462MHz Ant2



-6dB Bandwidth NVNT g 2412MHz Ant1



-6dB Bandwidth NVNT g 2437MHz Ant1



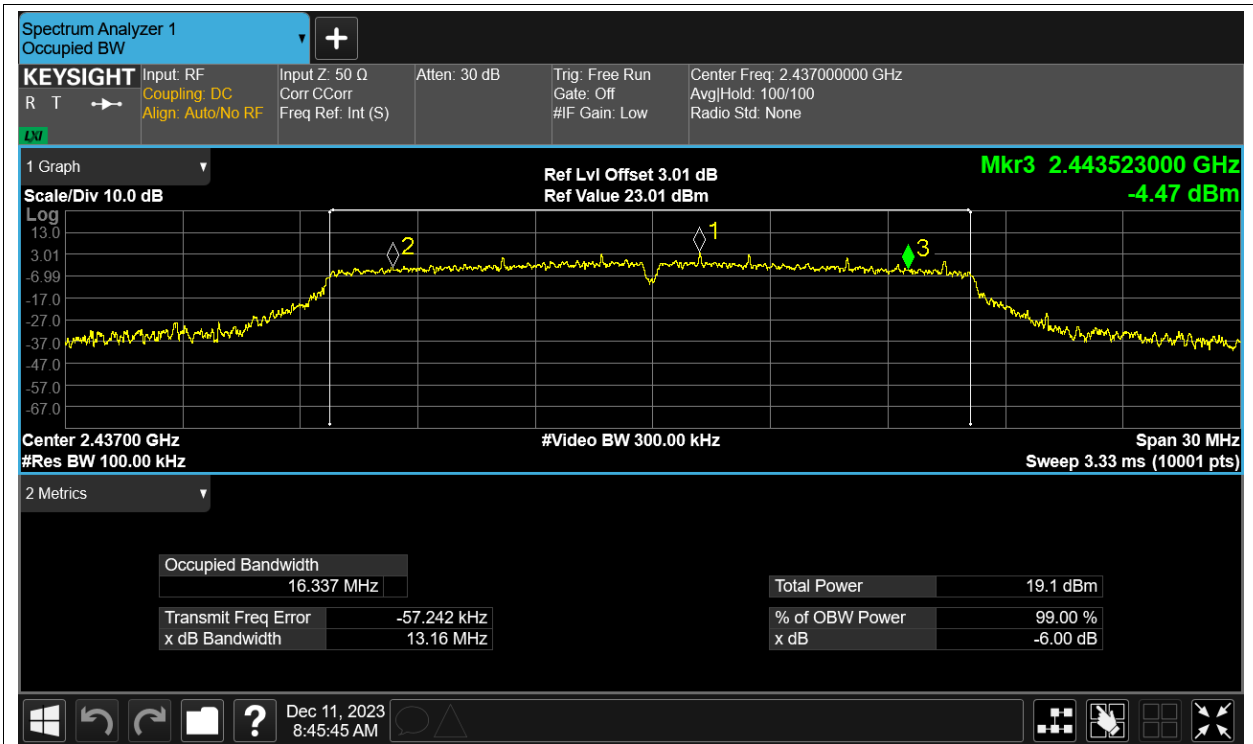
-6dB Bandwidth NVNT g 2462MHz Ant1



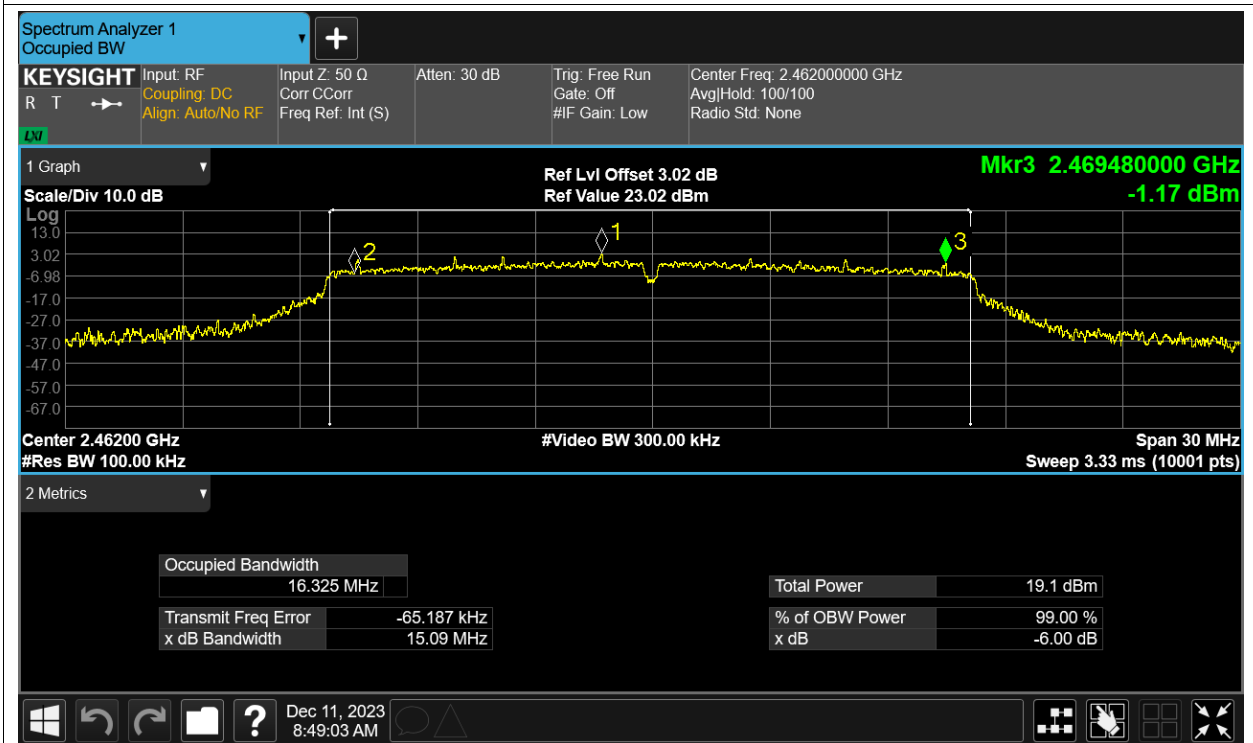
-6dB Bandwidth NVNT g 2412MHz Ant2



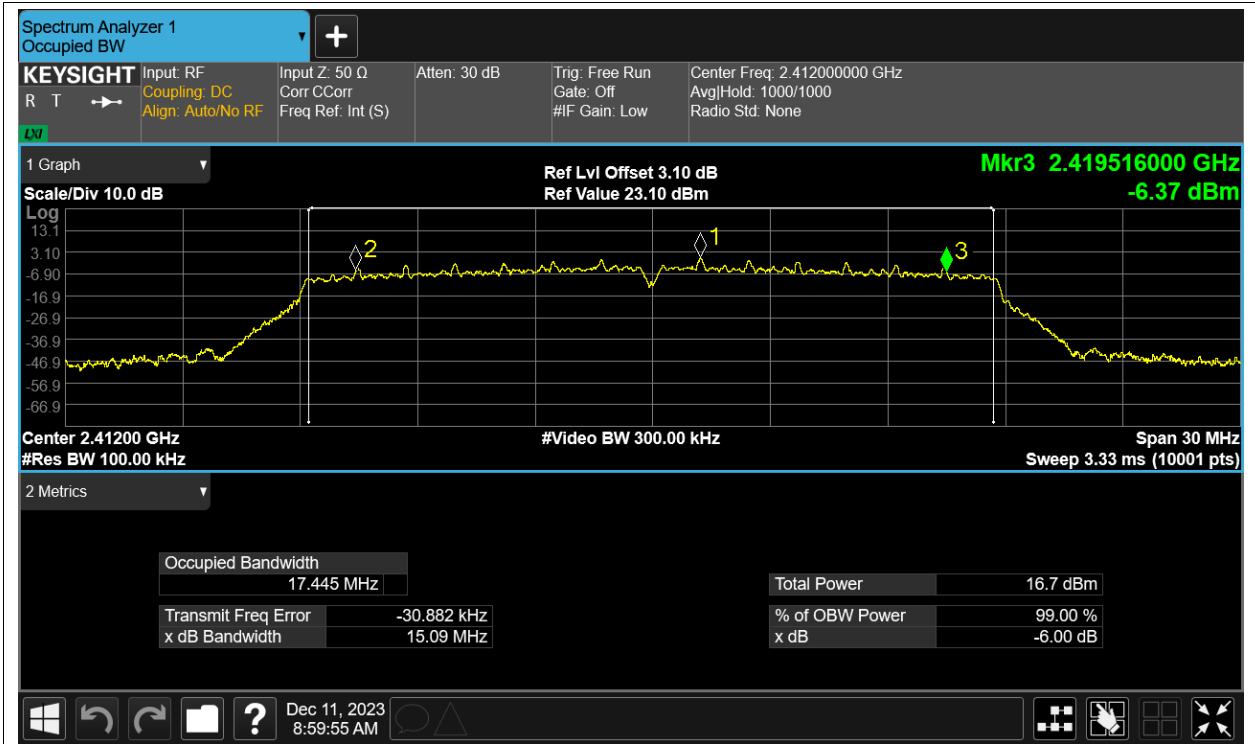
-6dB Bandwidth NVNT g 2437MHz Ant2



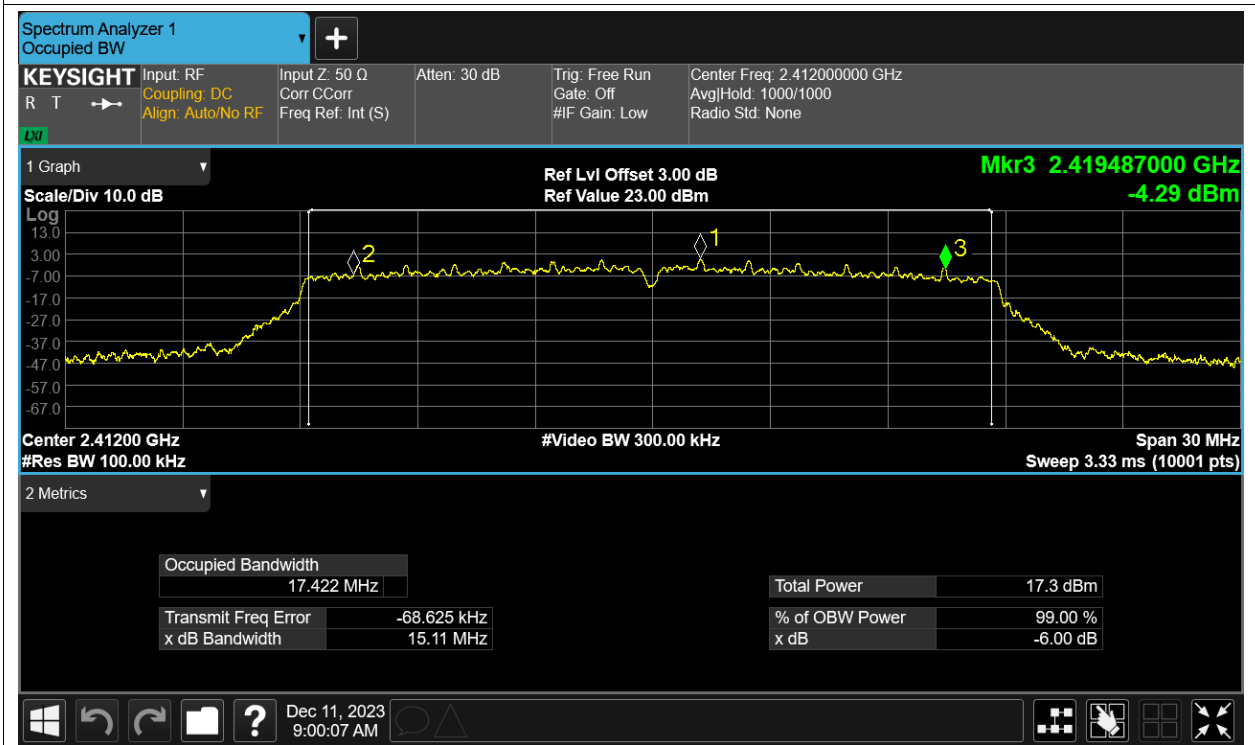
-6dB Bandwidth NVNT g 2462MHz Ant2



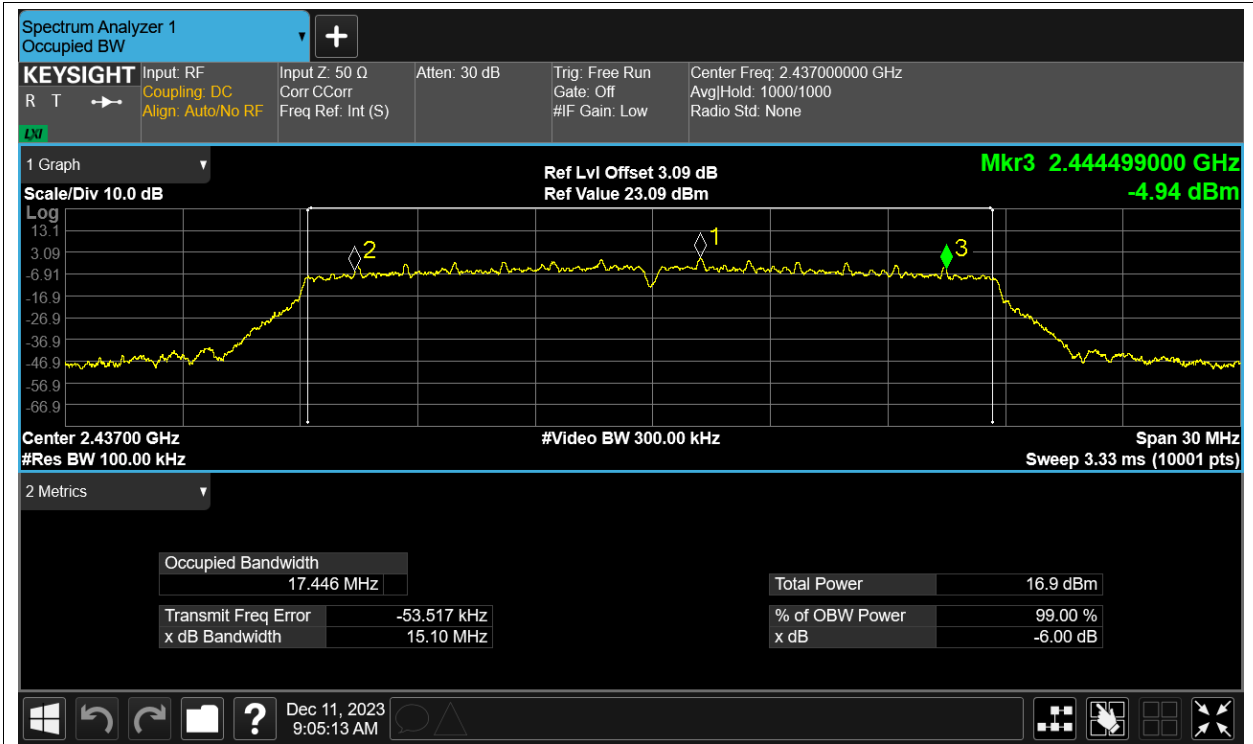
-6dB Bandwidth NVNT n20 2412MHz Ant1



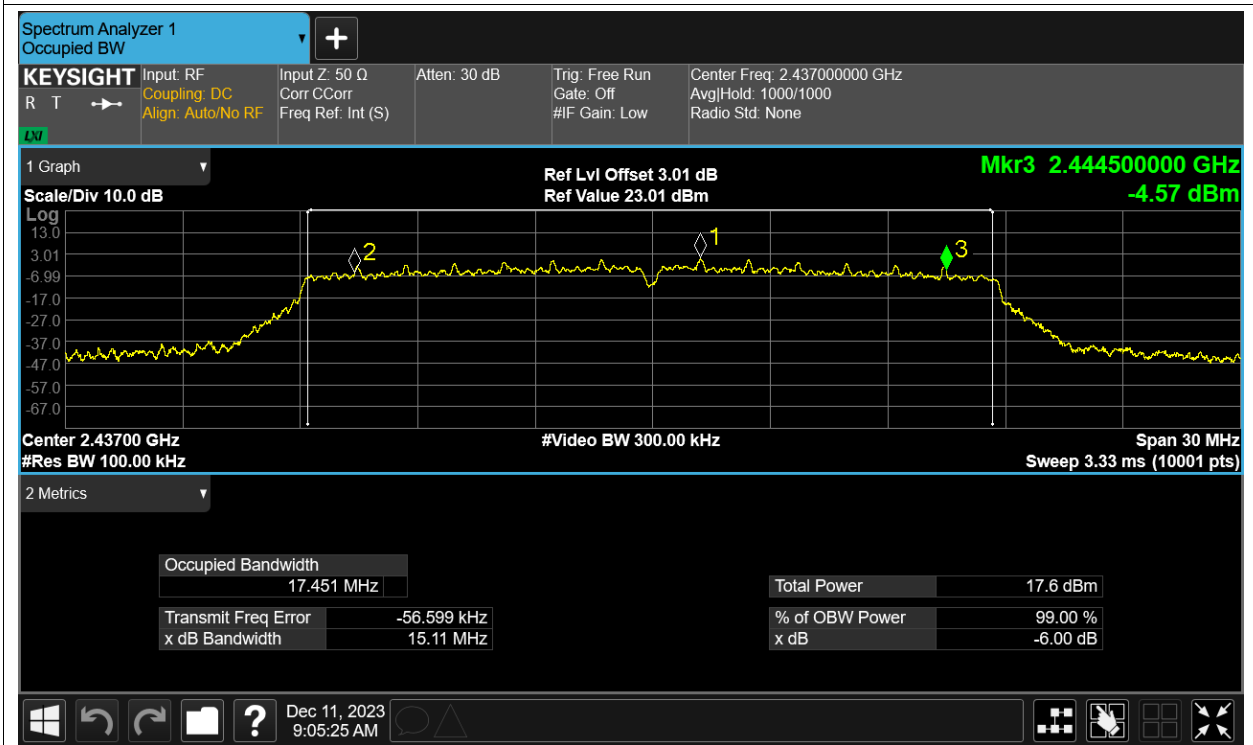
-6dB Bandwidth NVNT n20 2412MHz Ant2



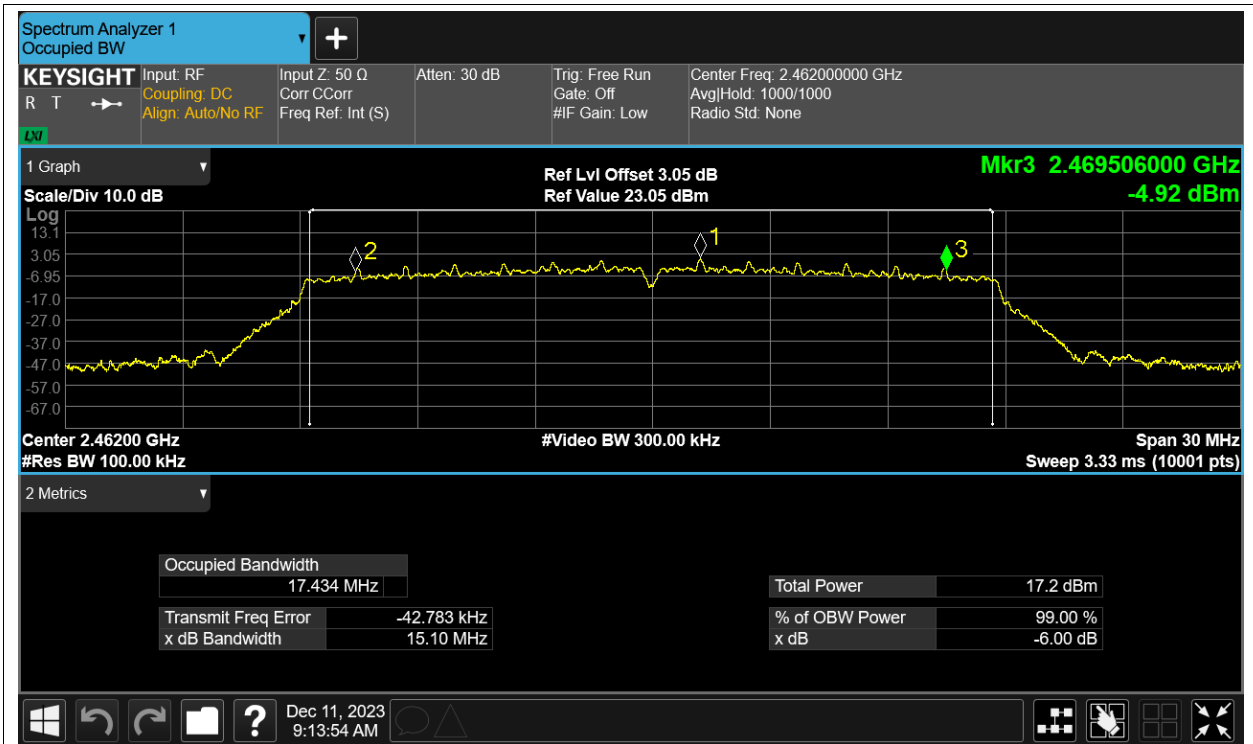
-6dB Bandwidth NVNT n20 2437MHz Ant1



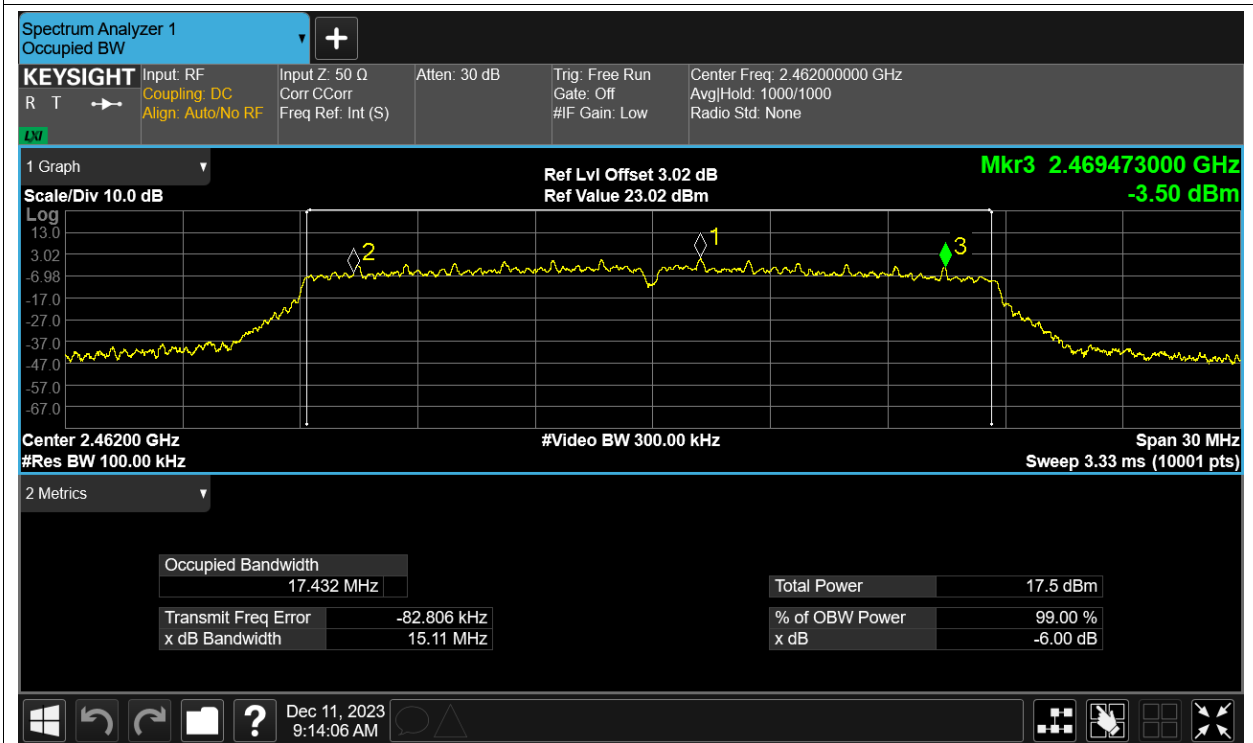
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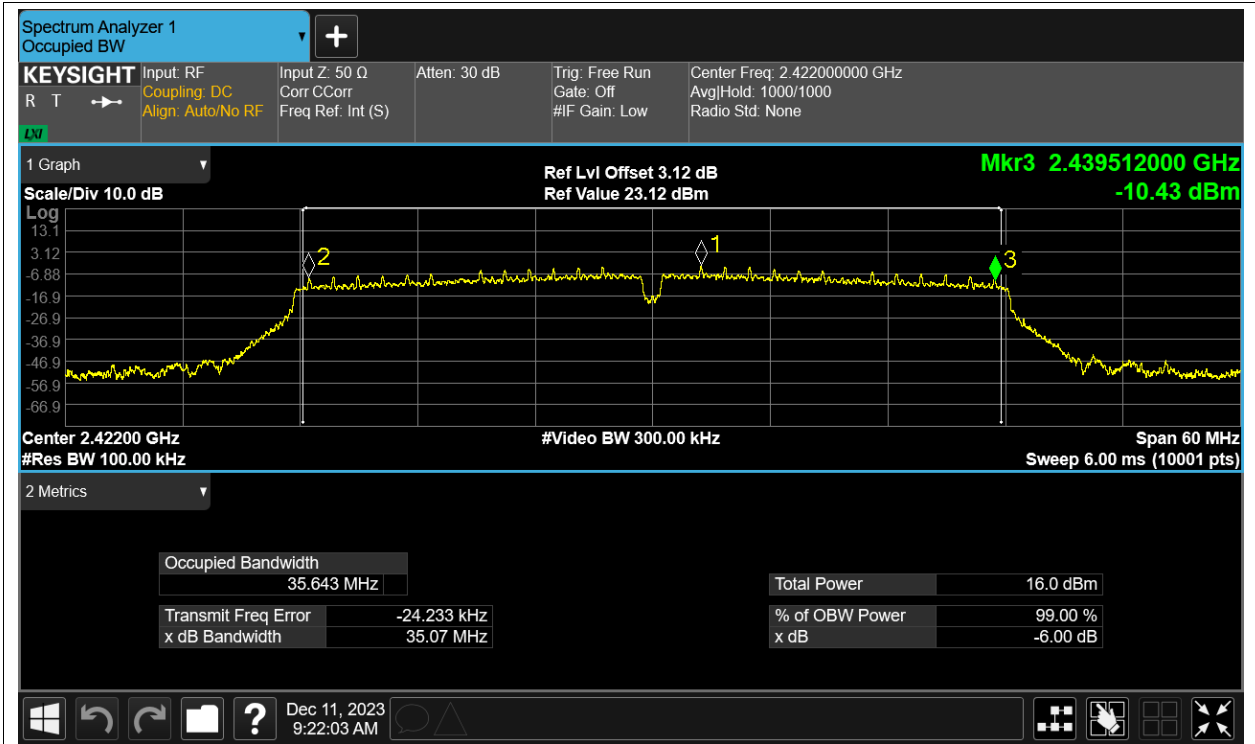
-6dB Bandwidth NVNT n20 2462MHz Ant1



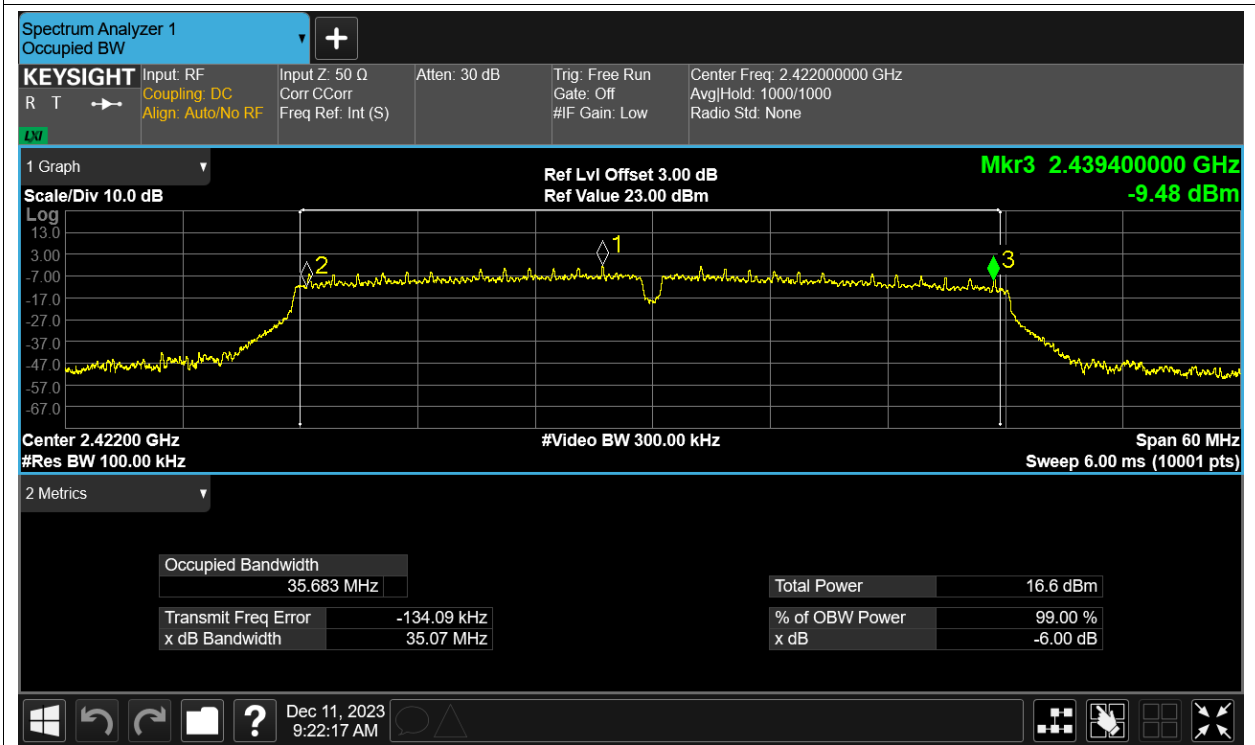
-6dB Bandwidth NVNT n20 2462MHz Ant2



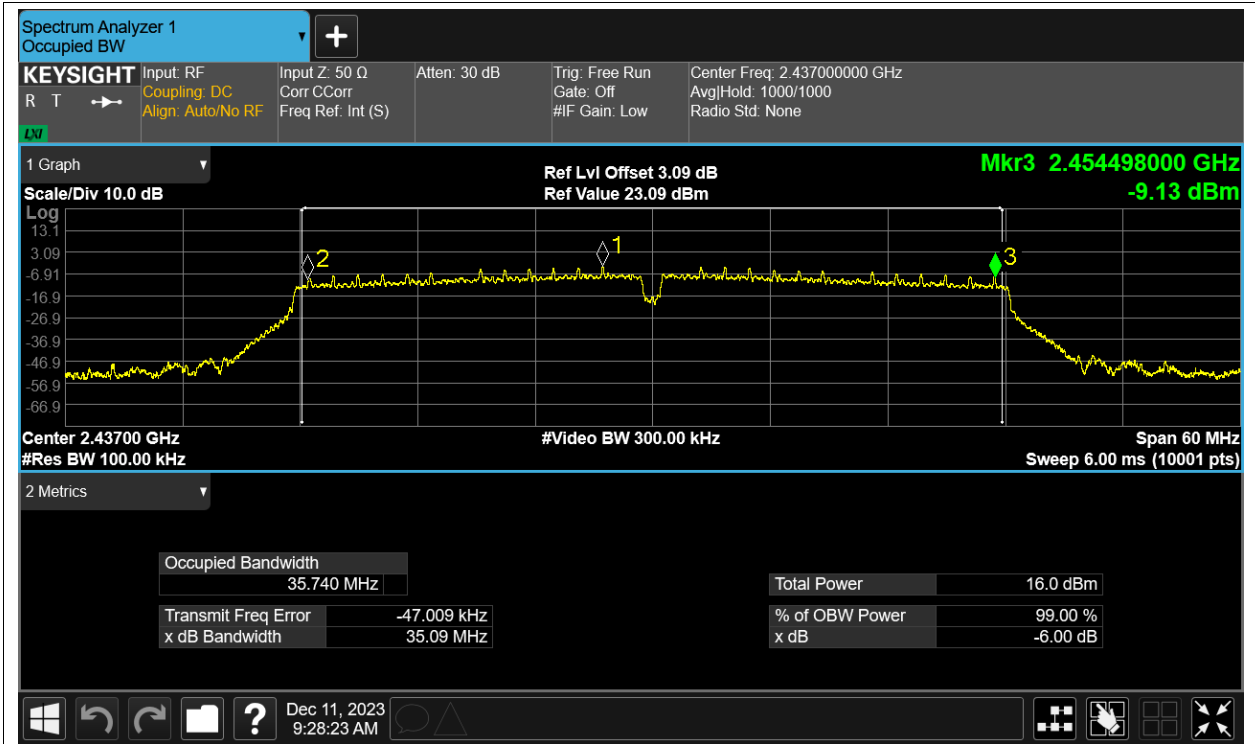
-6dB Bandwidth NVNT n40 2422MHz Ant1



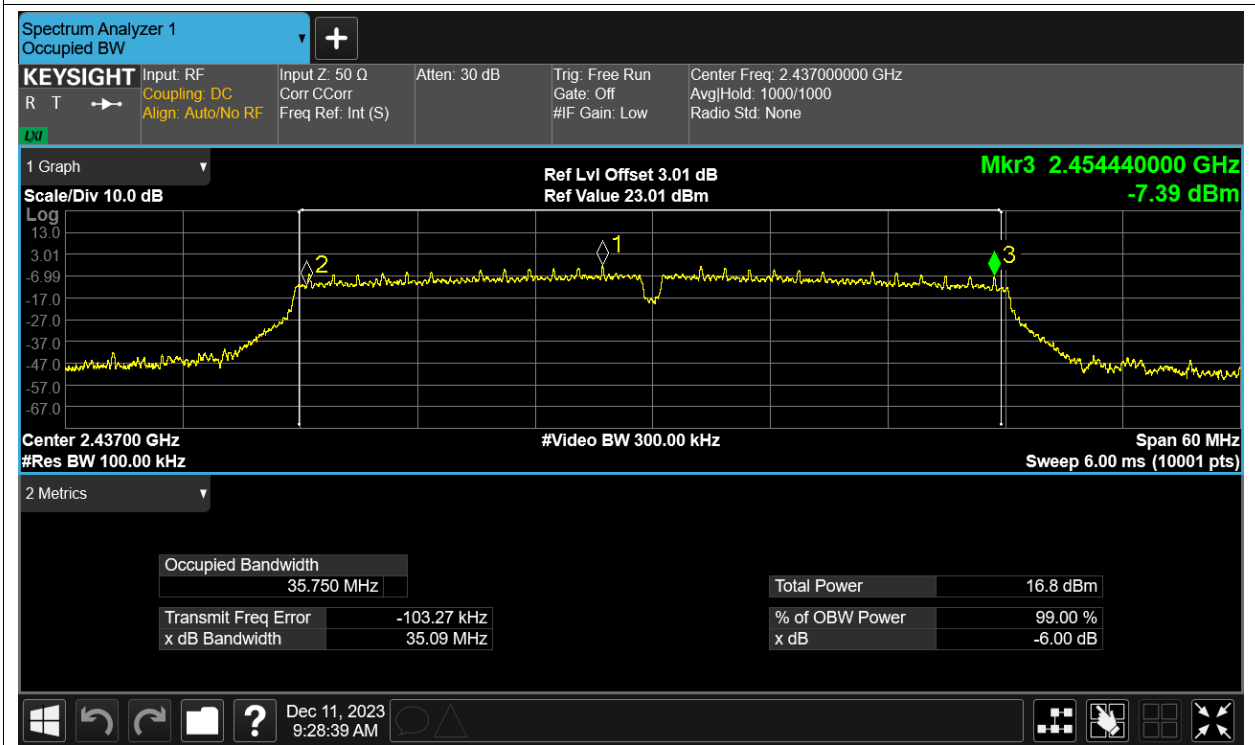
-6dB Bandwidth NVNT n40 2422MHz Ant2



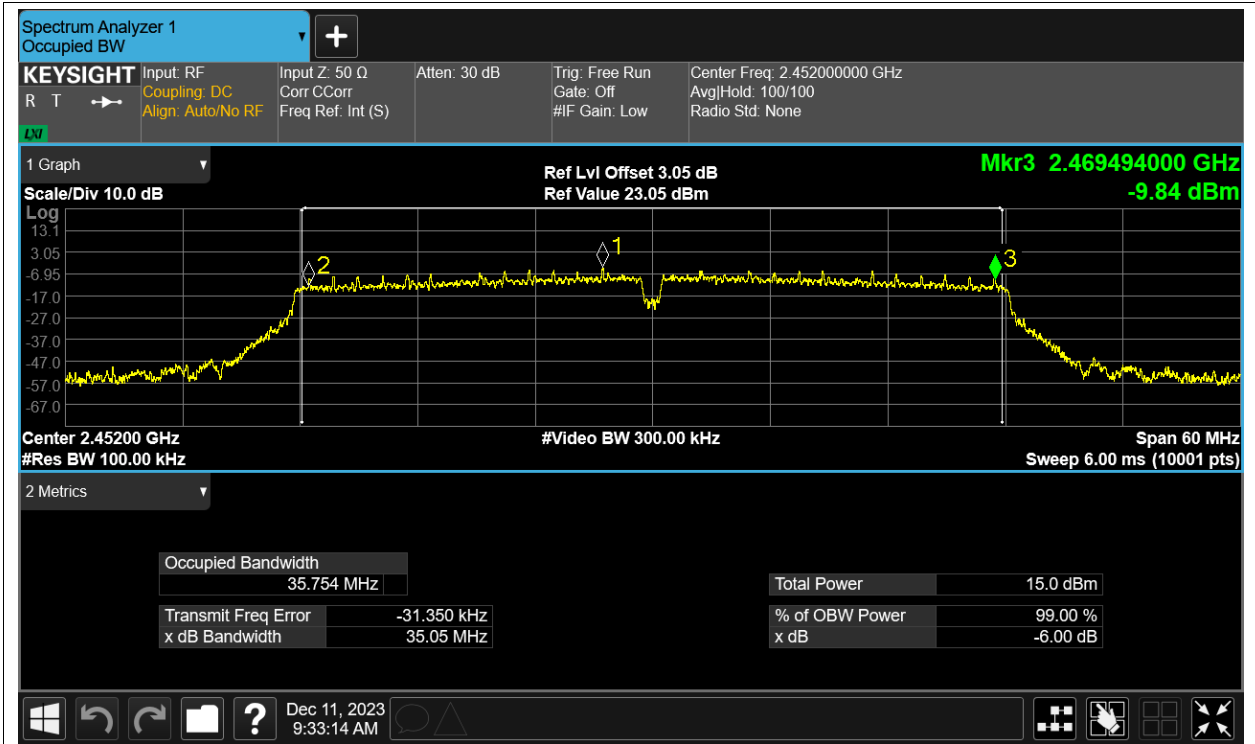
-6dB Bandwidth NVNT n40 2437MHz Ant1



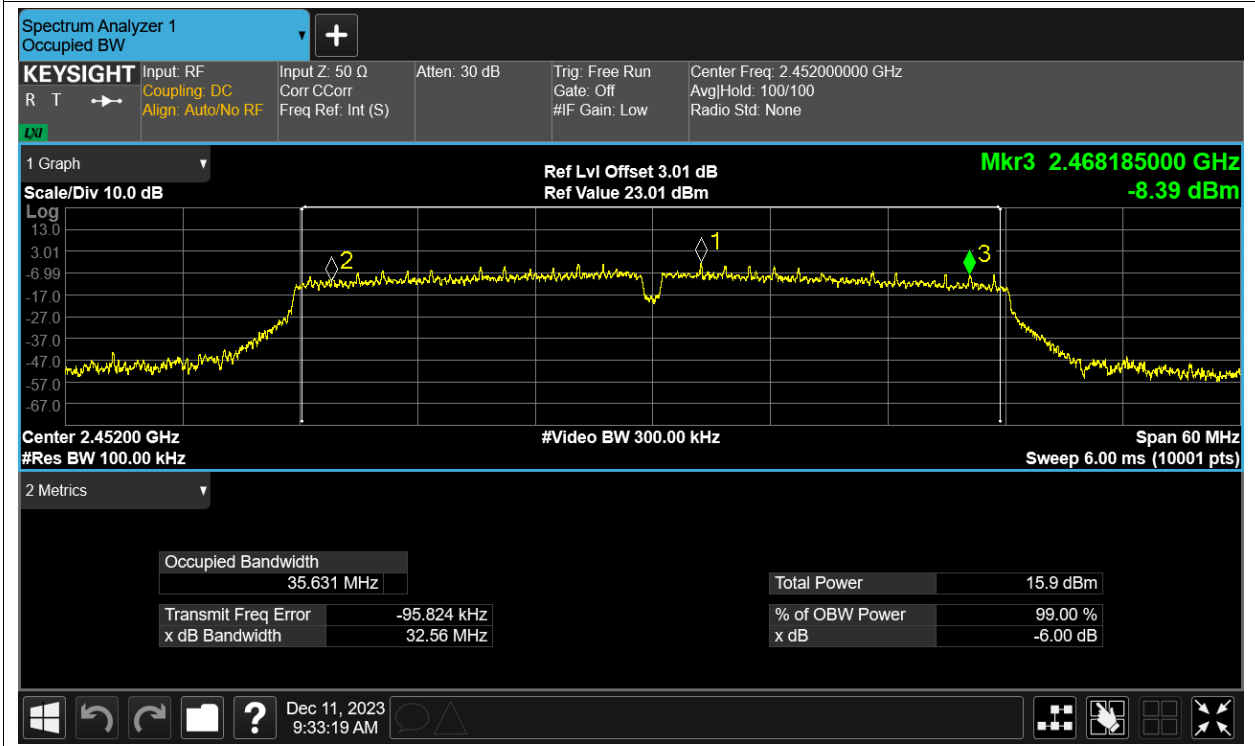
-6dB Bandwidth NVNT n40 2437MHz Ant2



-6dB Bandwidth NVNT n40 2452MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant2



Occupied Channel Bandwidth

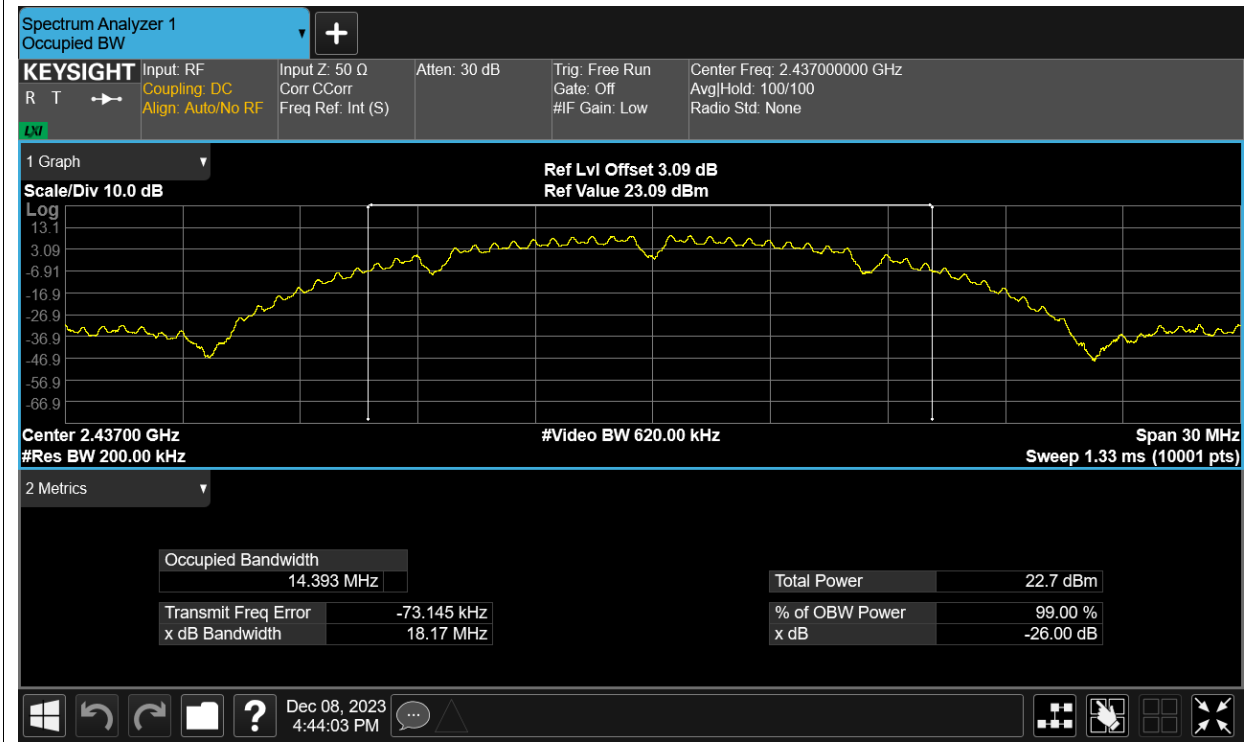
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT | b | 2412 | Ant1 | 14.427 |
| NVNT | b | 2437 | Ant1 | 14.393 |
| NVNT | b | 2462 | Ant1 | 14.305 |
| NVNT | b | 2412 | Ant2 | 14.48 |
| NVNT | b | 2437 | Ant2 | 14.641 |
| NVNT | b | 2462 | Ant2 | 14.596 |
| NVNT | g | 2412 | Ant1 | 16.396 |
| NVNT | g | 2437 | Ant1 | 16.364 |
| NVNT | g | 2462 | Ant1 | 16.315 |
| NVNT | g | 2412 | Ant2 | 16.397 |
| NVNT | g | 2437 | Ant2 | 16.421 |
| NVNT | g | 2462 | Ant2 | 16.408 |
| NVNT | n20 | 2412 | Ant1 | 17.462 |
| NVNT | n20 | 2412 | Ant2 | 17.411 |
| NVNT | n20 | 2437 | Ant1 | 17.461 |
| NVNT | n20 | 2437 | Ant2 | 17.43 |
| NVNT | n20 | 2462 | Ant1 | 17.444 |
| NVNT | n20 | 2462 | Ant2 | 17.416 |
| NVNT | n40 | 2422 | Ant1 | 35.823 |
| NVNT | n40 | 2422 | Ant2 | 35.72 |
| NVNT | n40 | 2437 | Ant1 | 35.92 |
| NVNT | n40 | 2437 | Ant2 | 35.813 |
| NVNT | n40 | 2452 | Ant1 | 35.882 |
| NVNT | n40 | 2452 | Ant2 | 35.8 |

Test Graphs

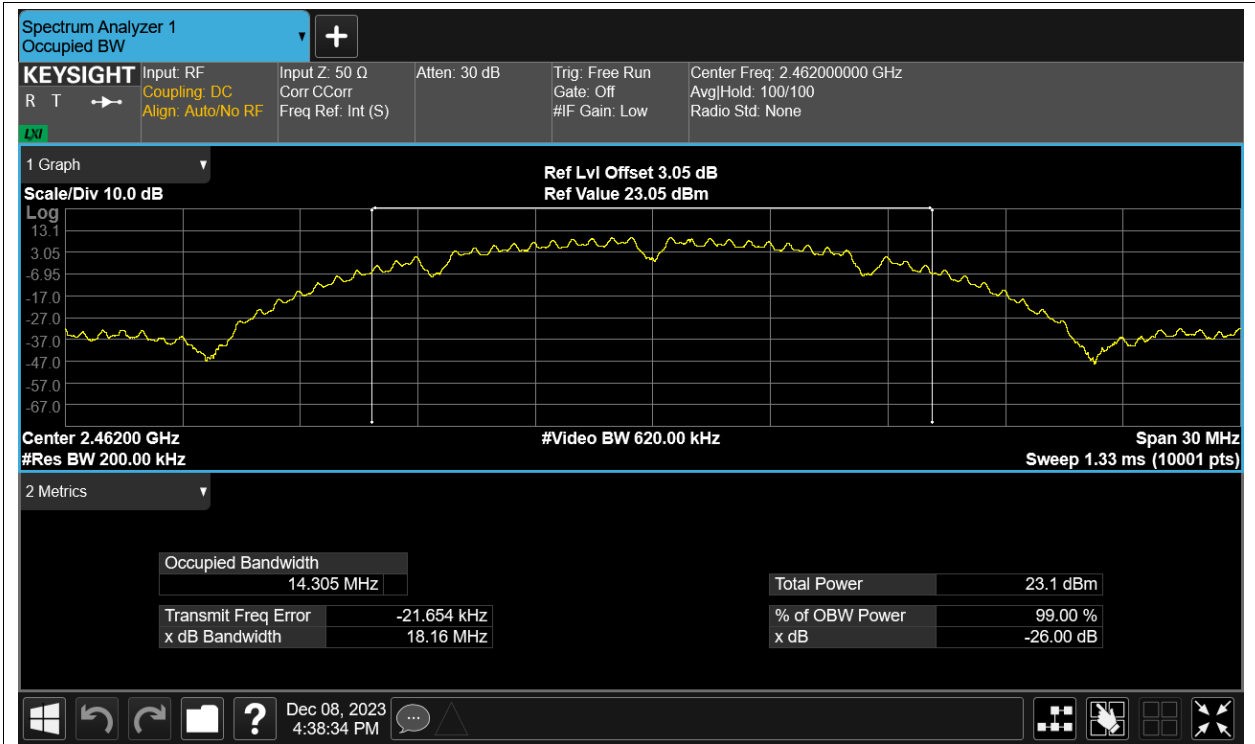
OBW NVNT b 2412MHz Ant1



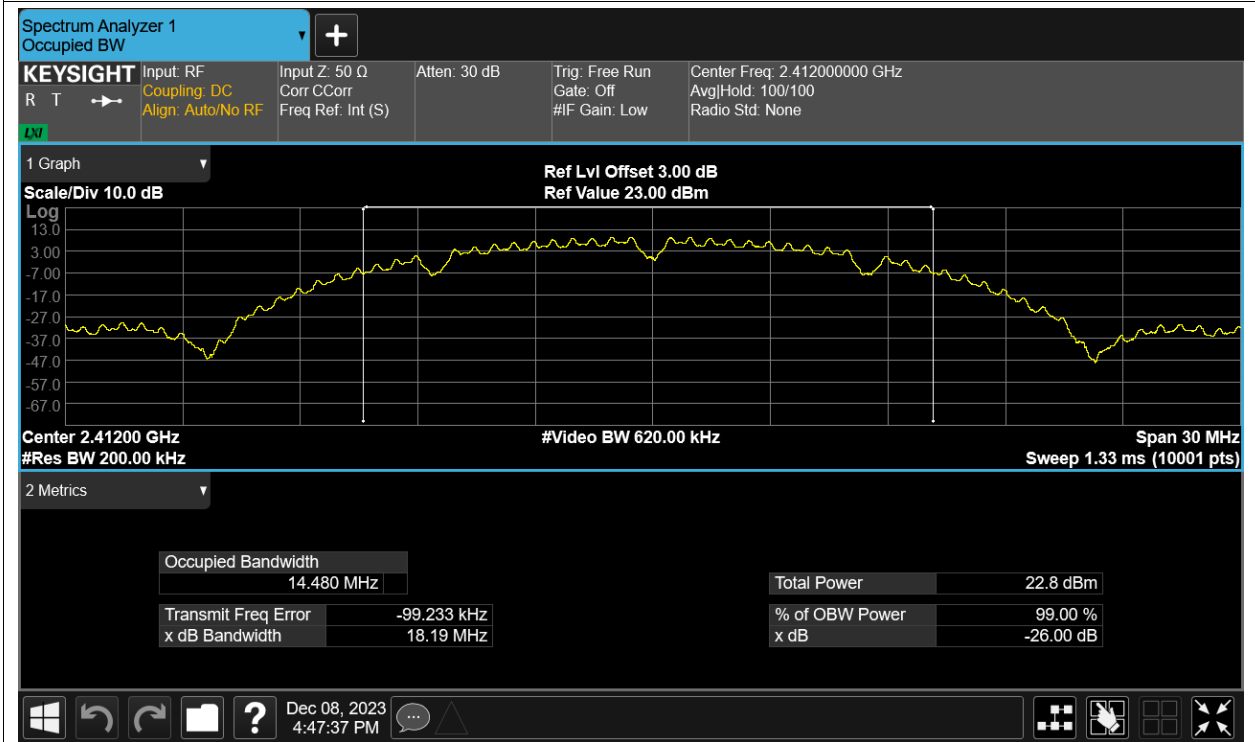
OBW NVNT b 2437MHz Ant1



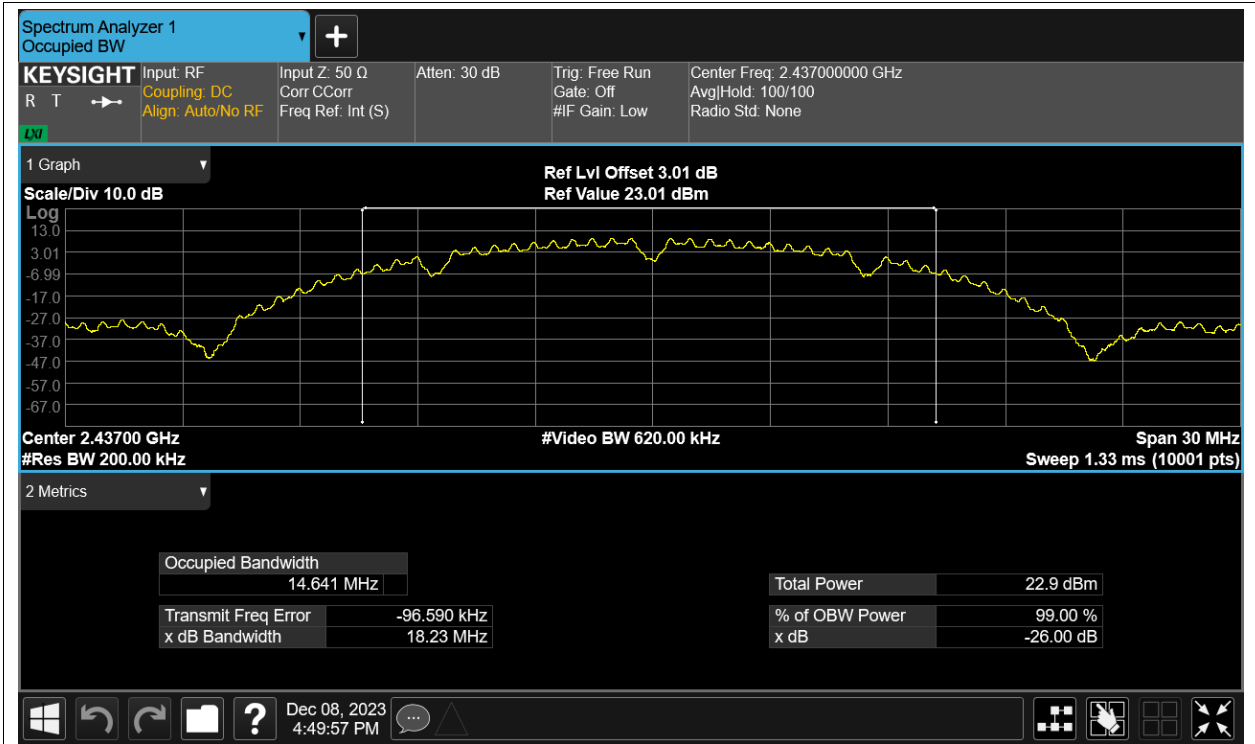
OBW NVNT b 2462MHz Ant1



OBW NVNT b 2412MHz Ant2



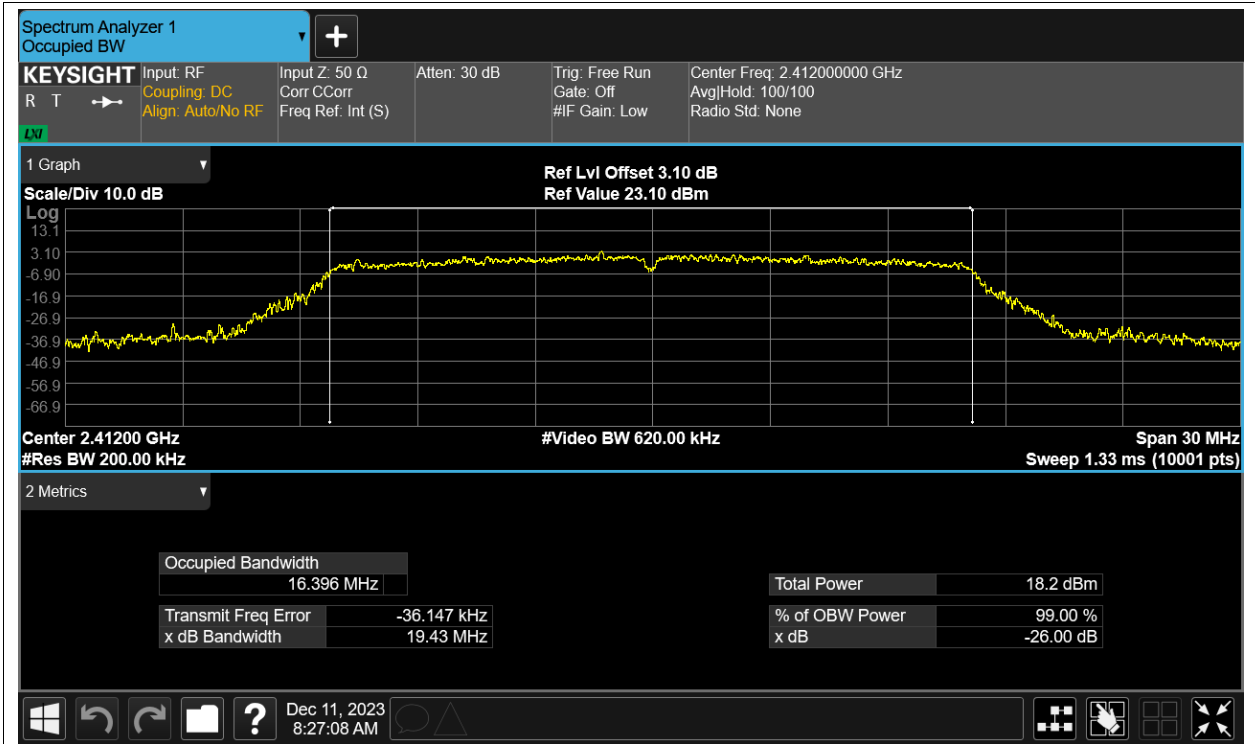
OBW NVNT b 2437MHz Ant2



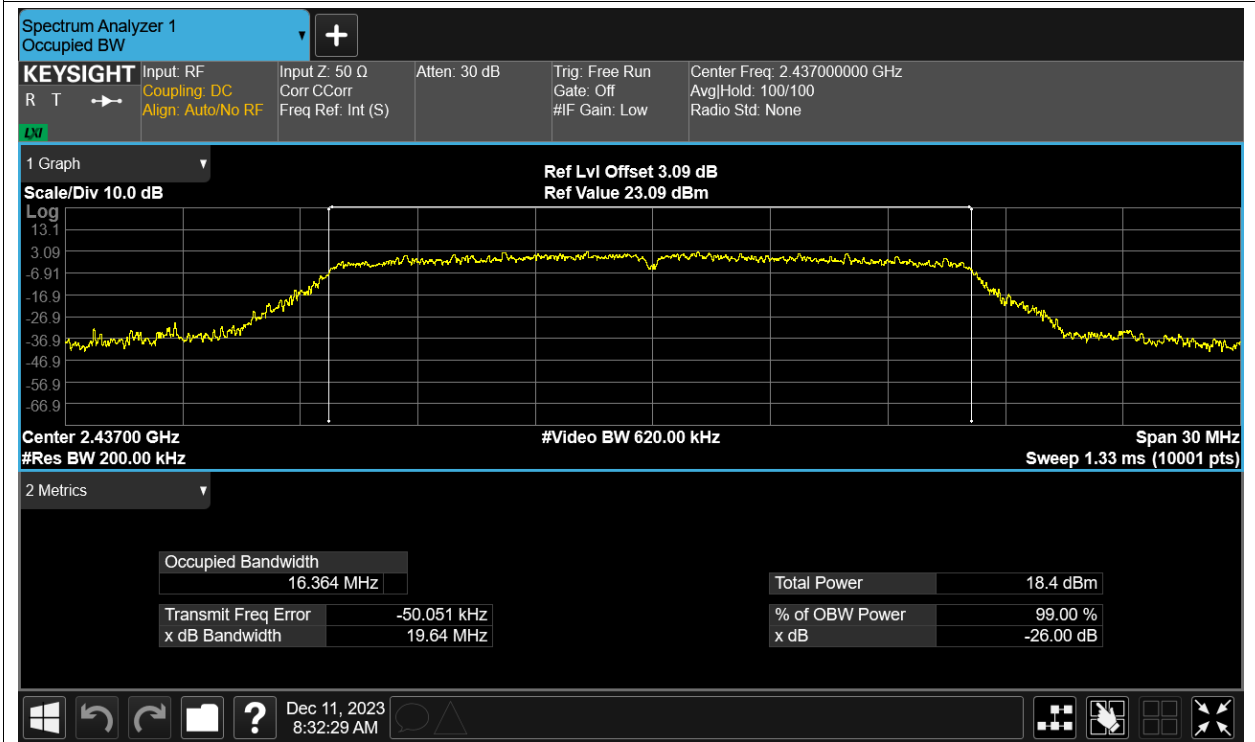
OBW NVNT b 2462MHz Ant2



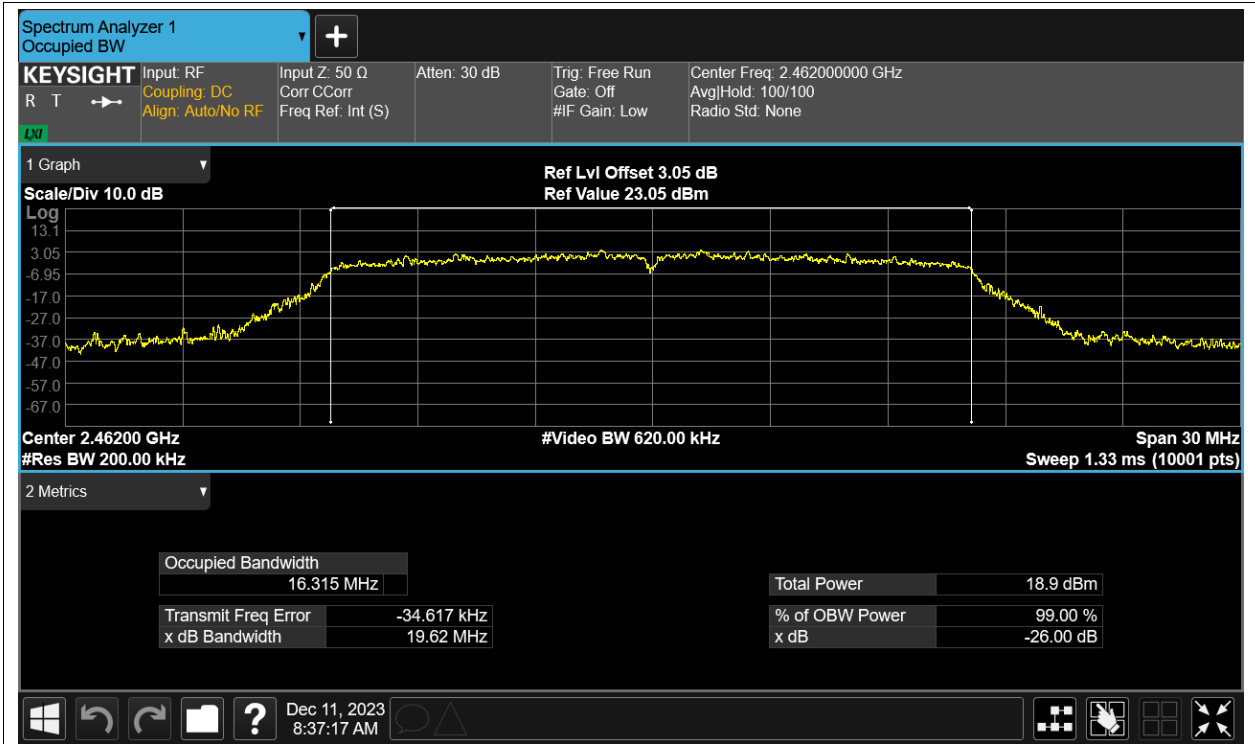
OBW NVNT g 2412MHz Ant1



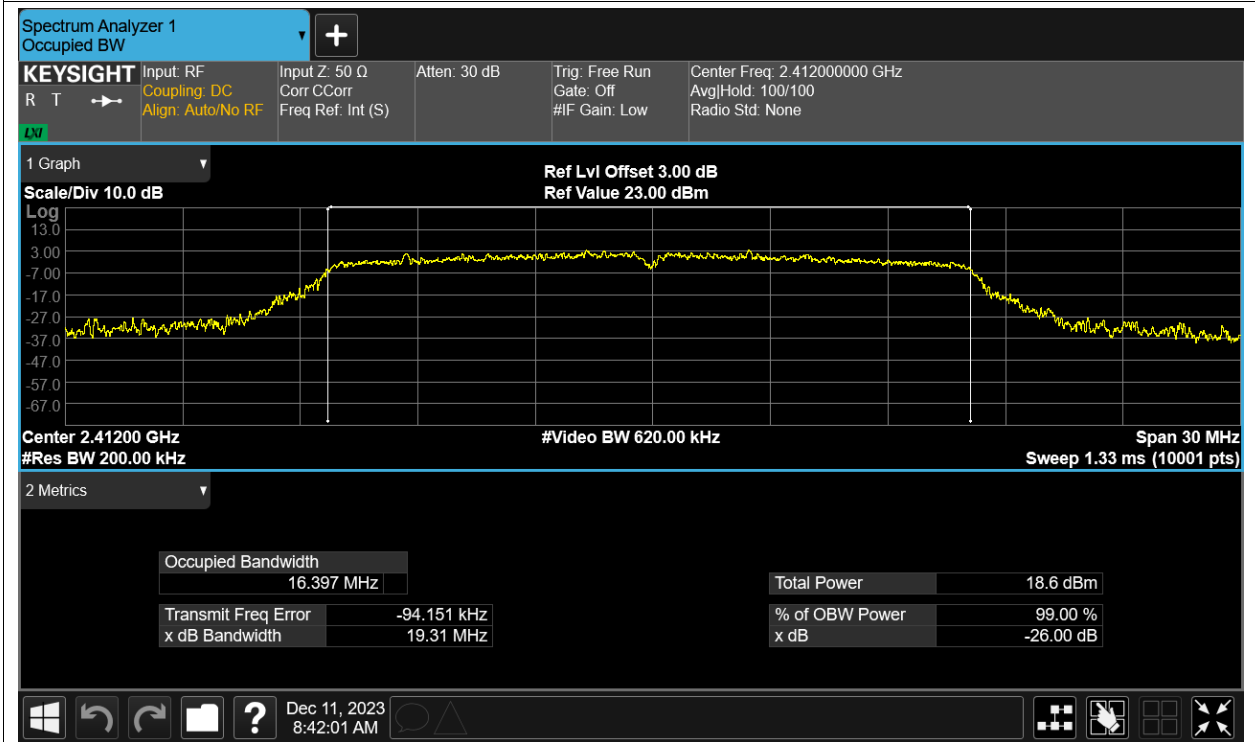
OBW NVNT g 2437MHz Ant1



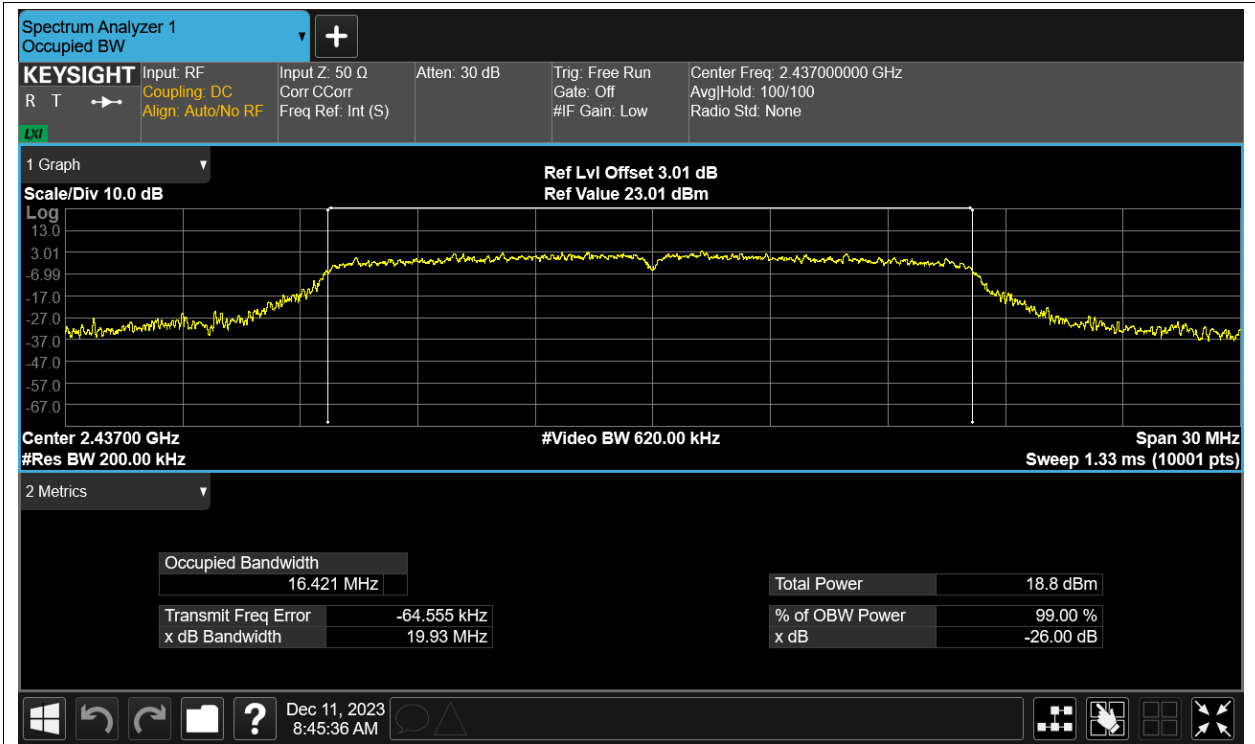
OBW NVNT g 2462MHz Ant1



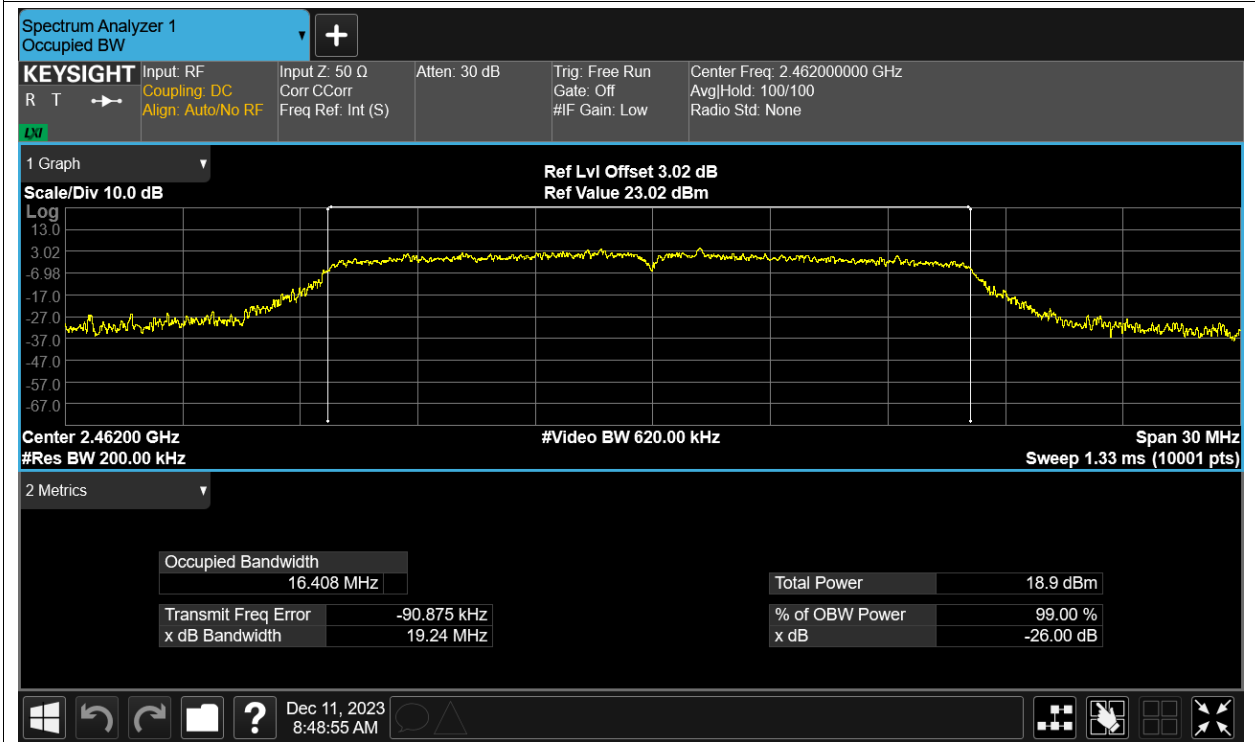
OBW NVNT g 2412MHz Ant2



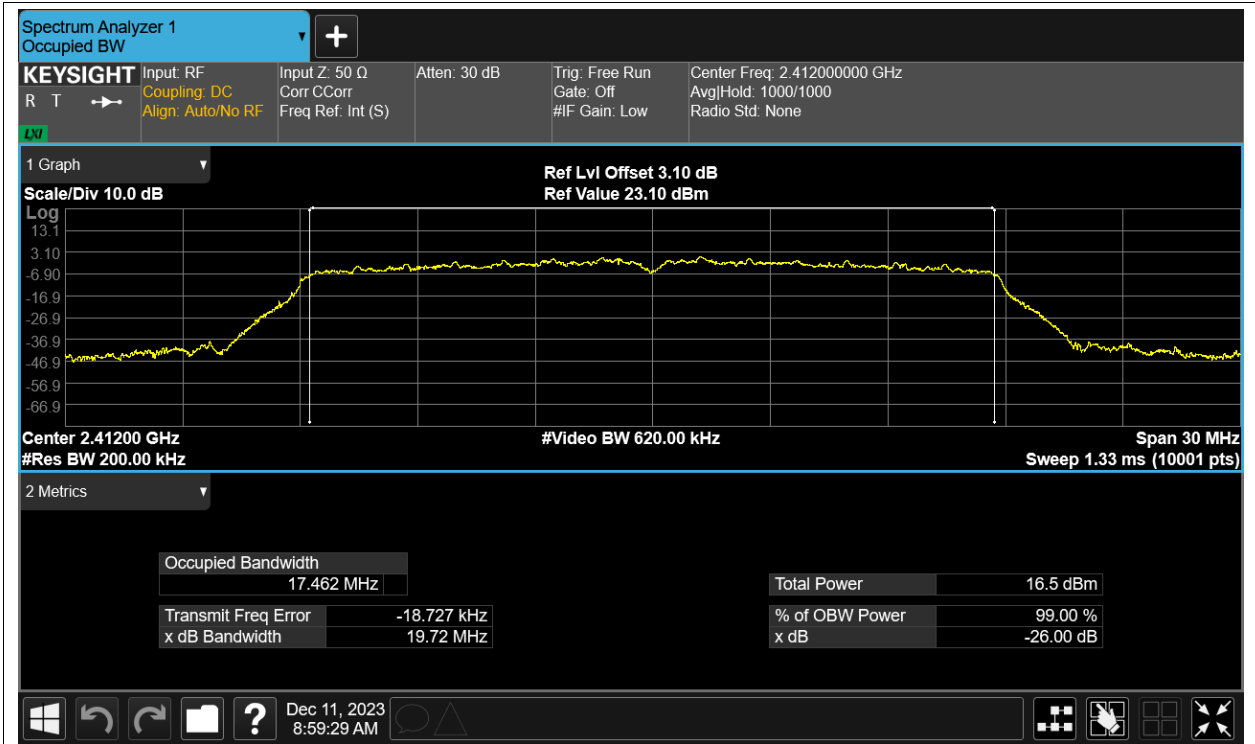
OBW NVNT g 2437MHz Ant2



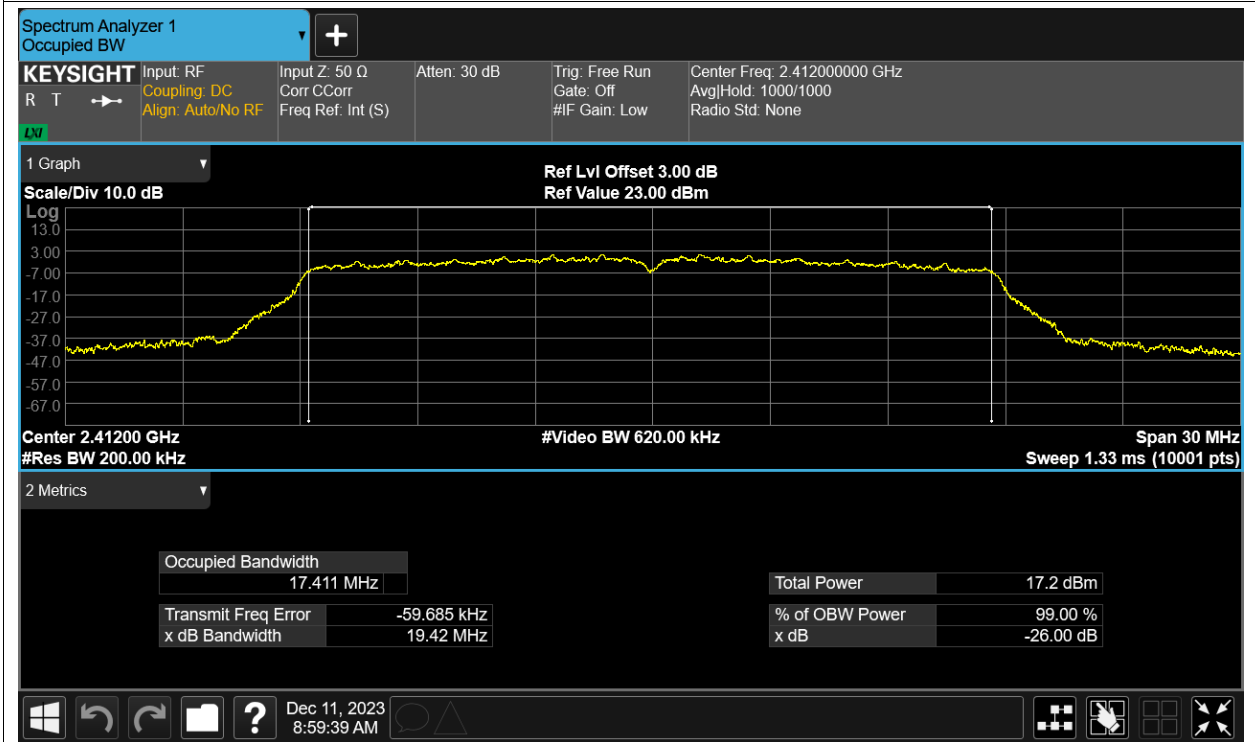
OBW NVNT g 2462MHz Ant2



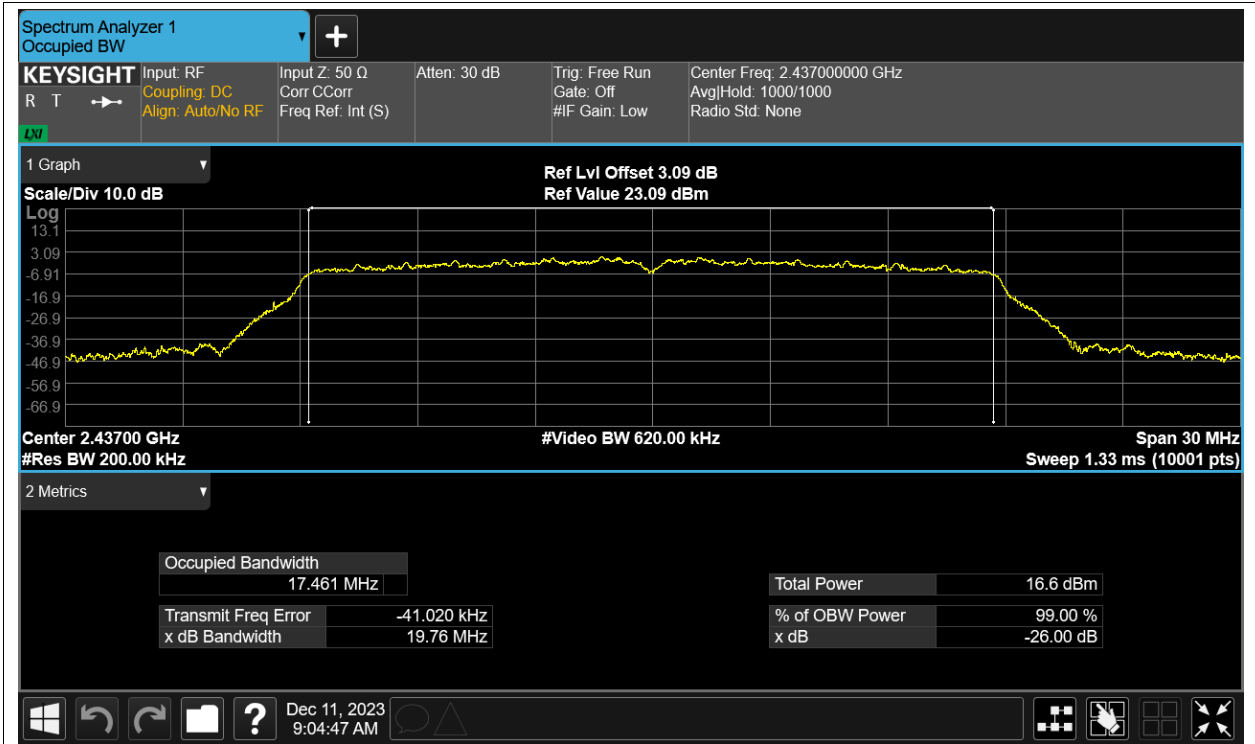
OBW NVNT n20 2412MHz Ant1



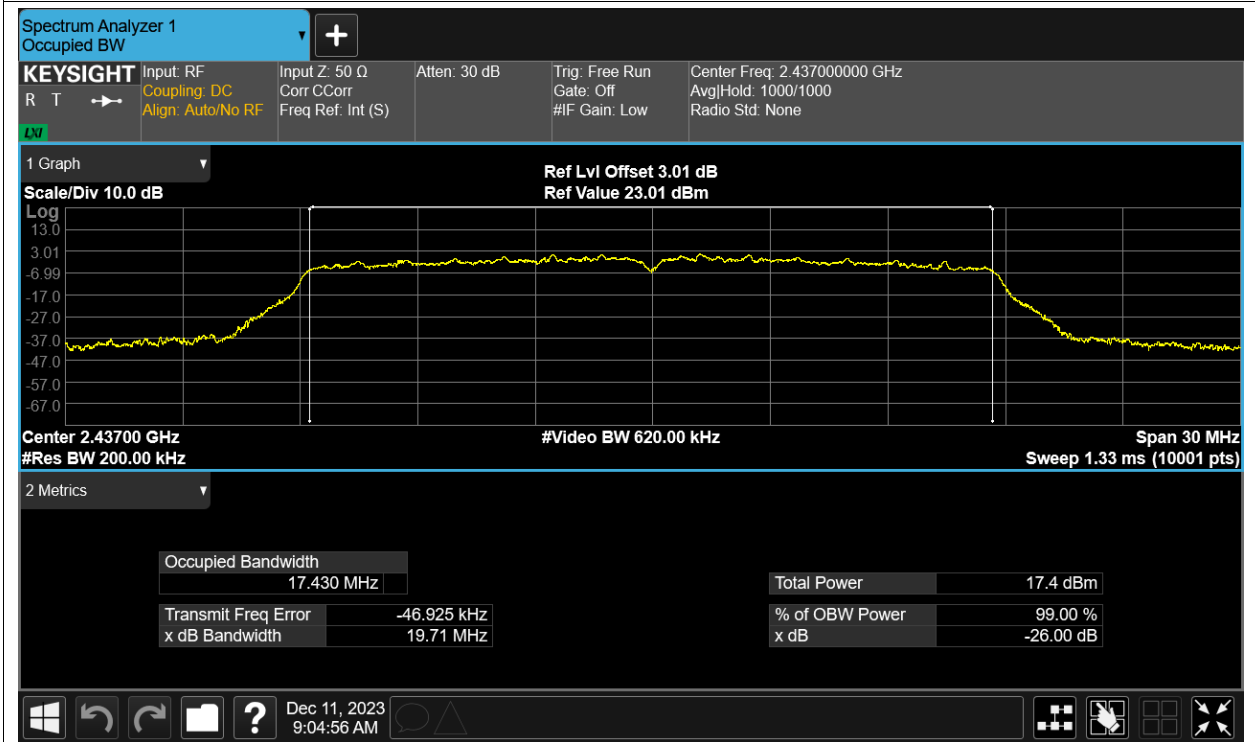
OBW NVNT n20 2412MHz Ant2



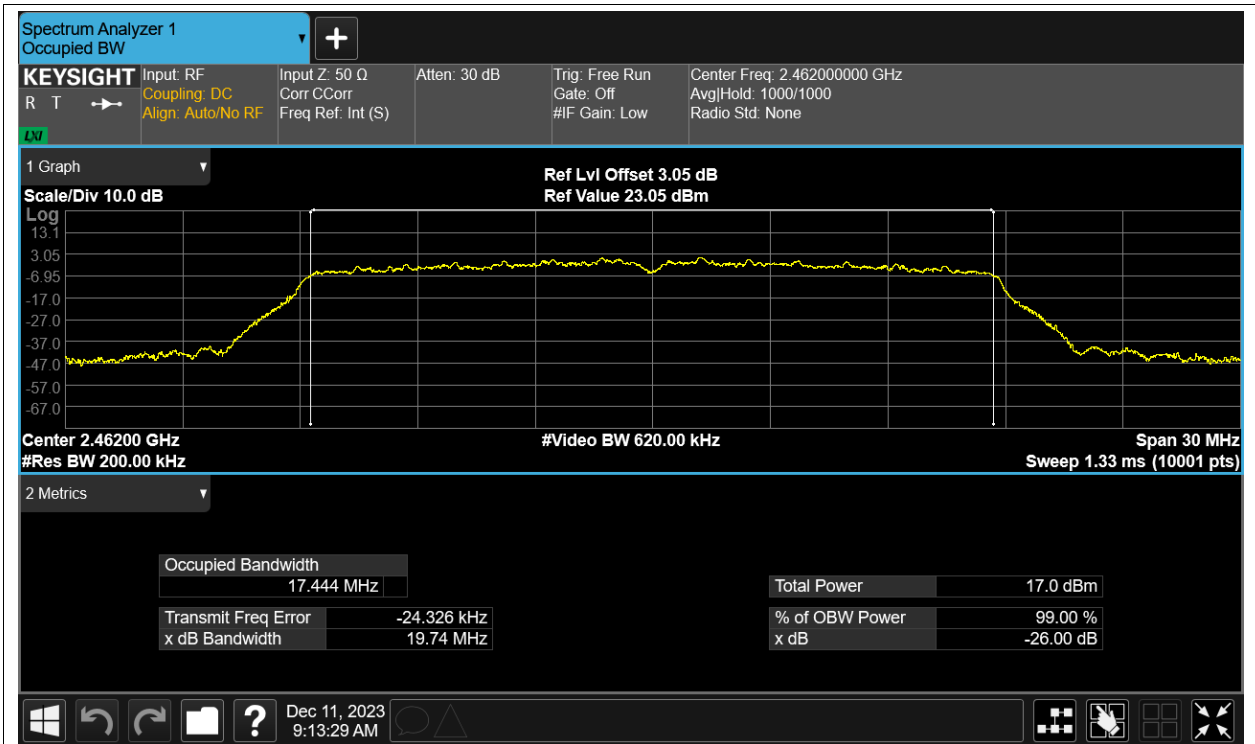
OBW NVNT n20 2437MHz Ant1



OBW NVNT n20 2437MHz Ant2



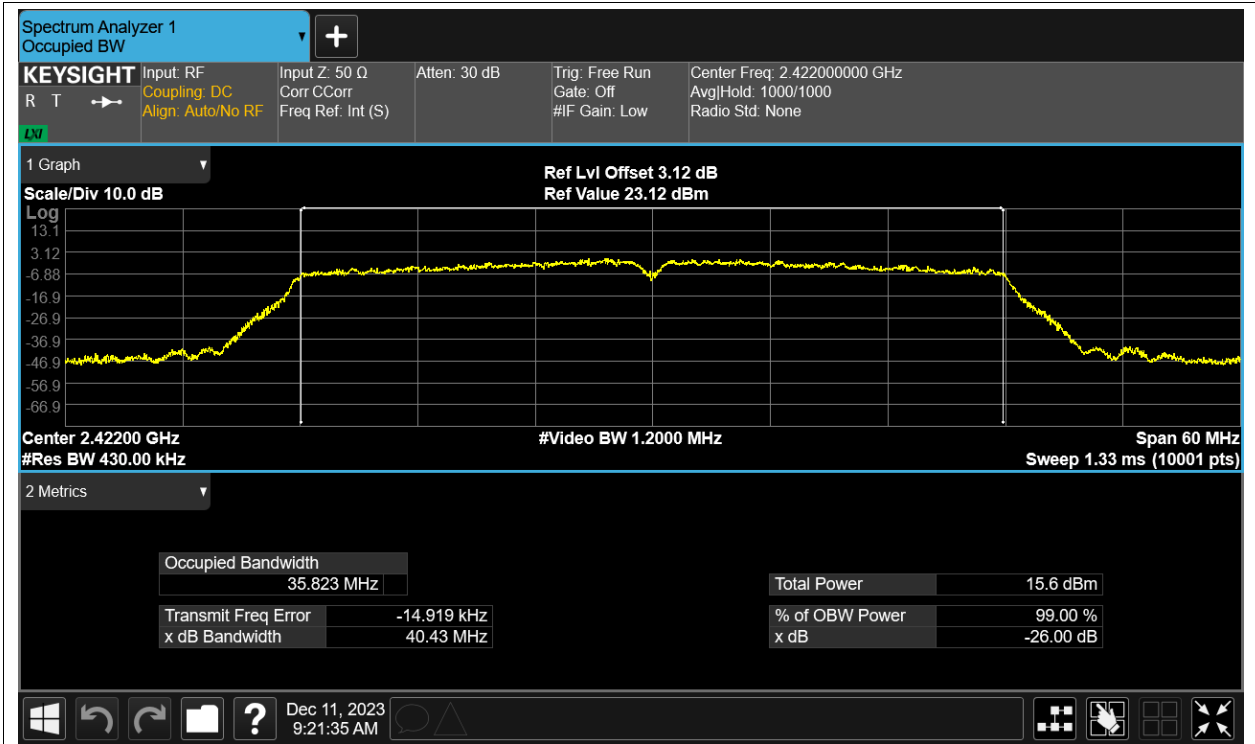
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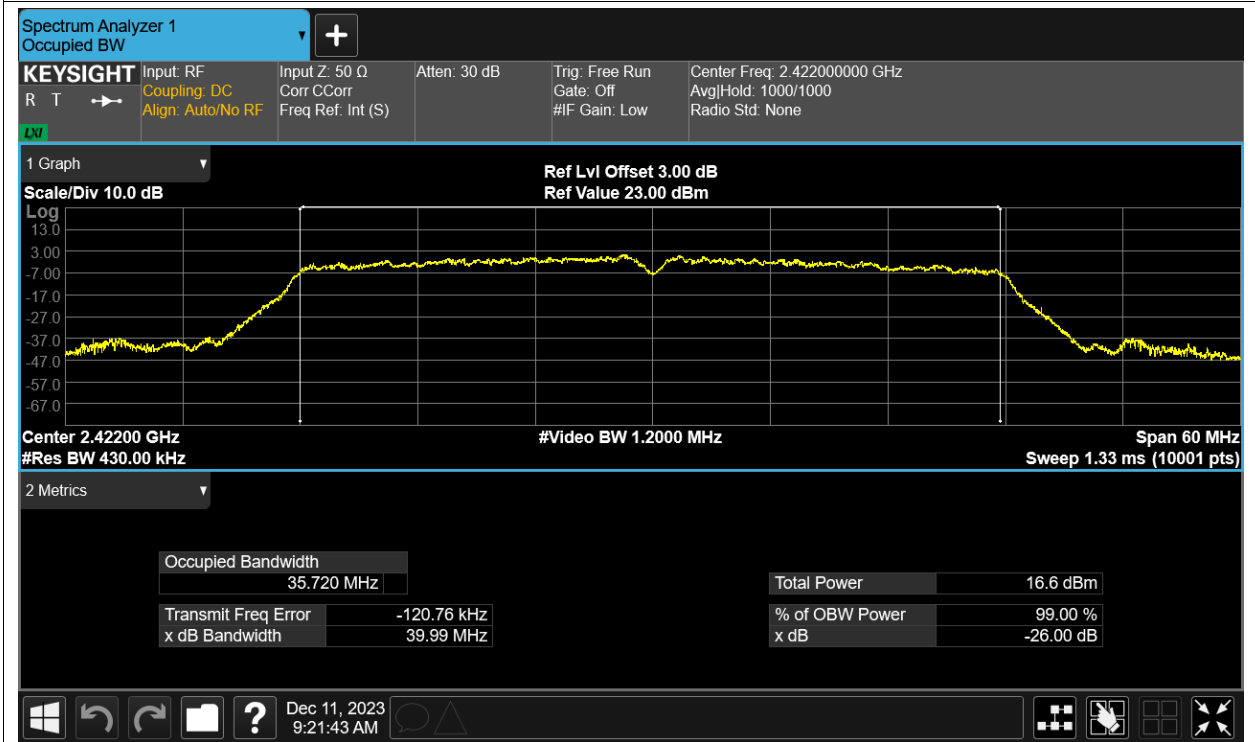
OBW NVNT n20 2462MHz Ant2



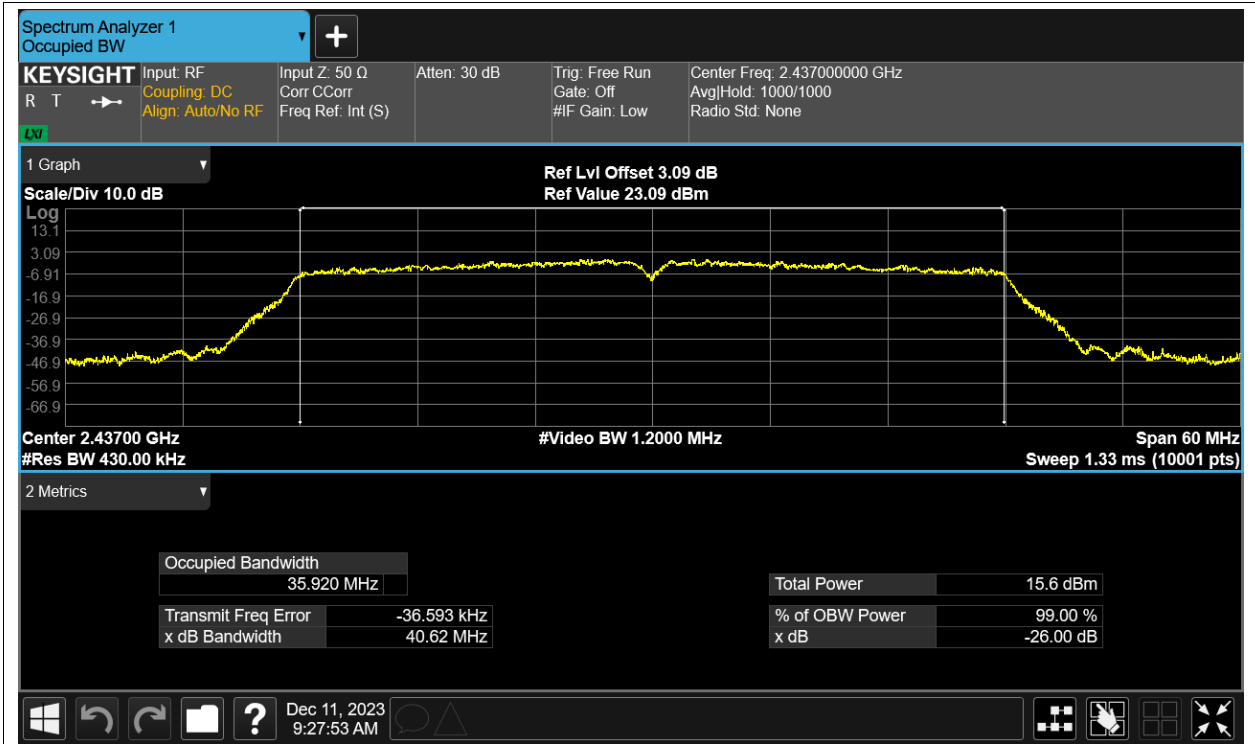
OBW NVNT n40 2422MHz Ant1



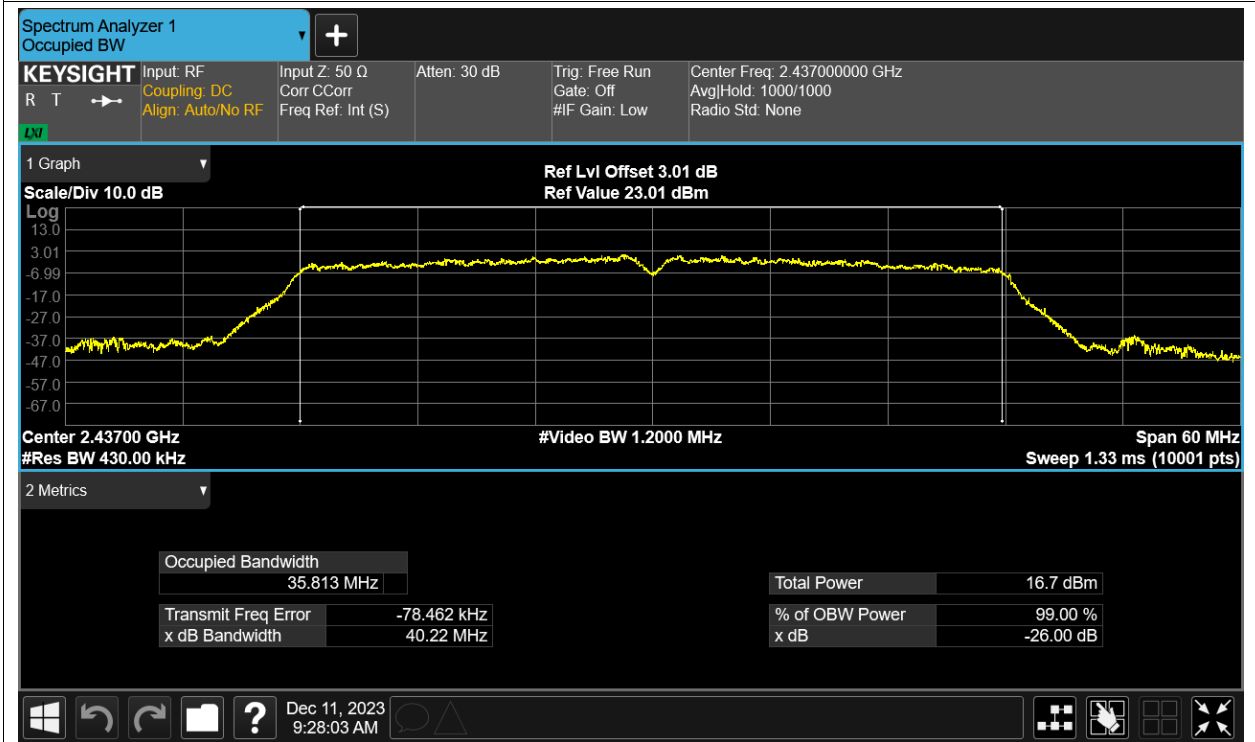
OBW NVNT n40 2422MHz Ant2



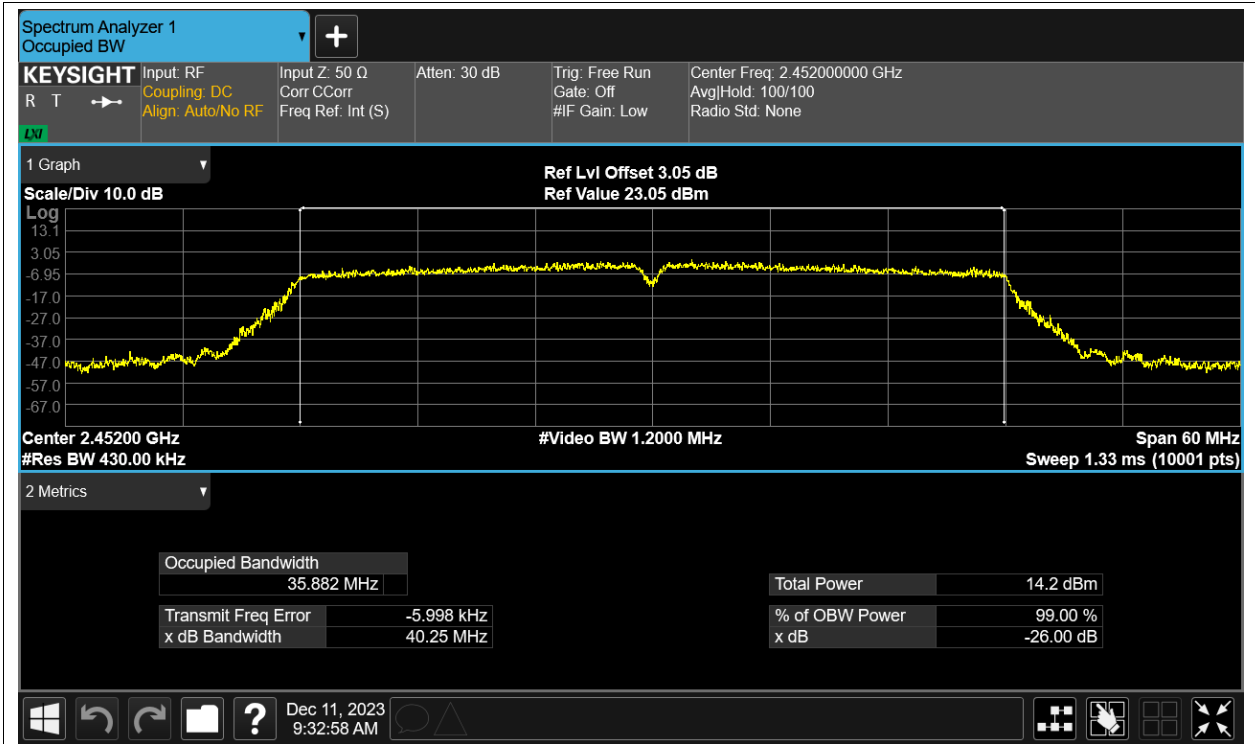
OBW NVNT n40 2437MHz Ant1



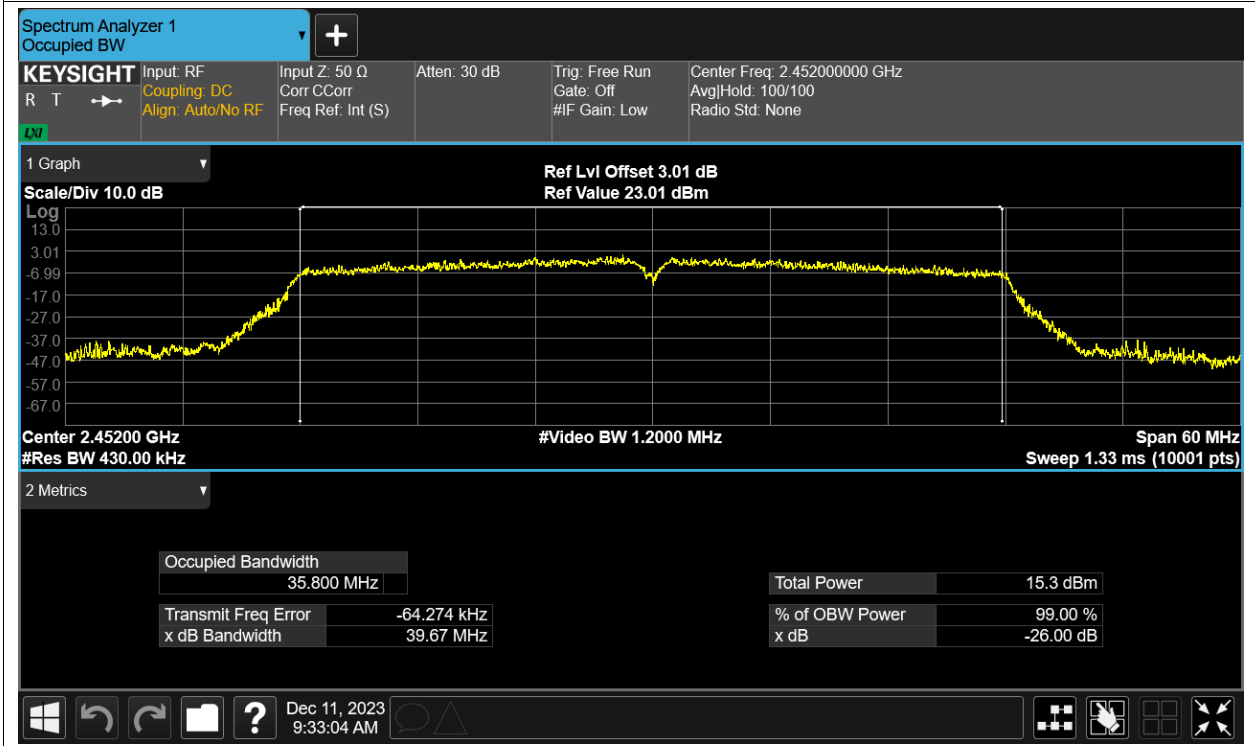
OBW NVNT n40 2437MHz Ant2



OBW NVNT n40 2452MHz Ant1



OBW NVNT n40 2452MHz Ant2

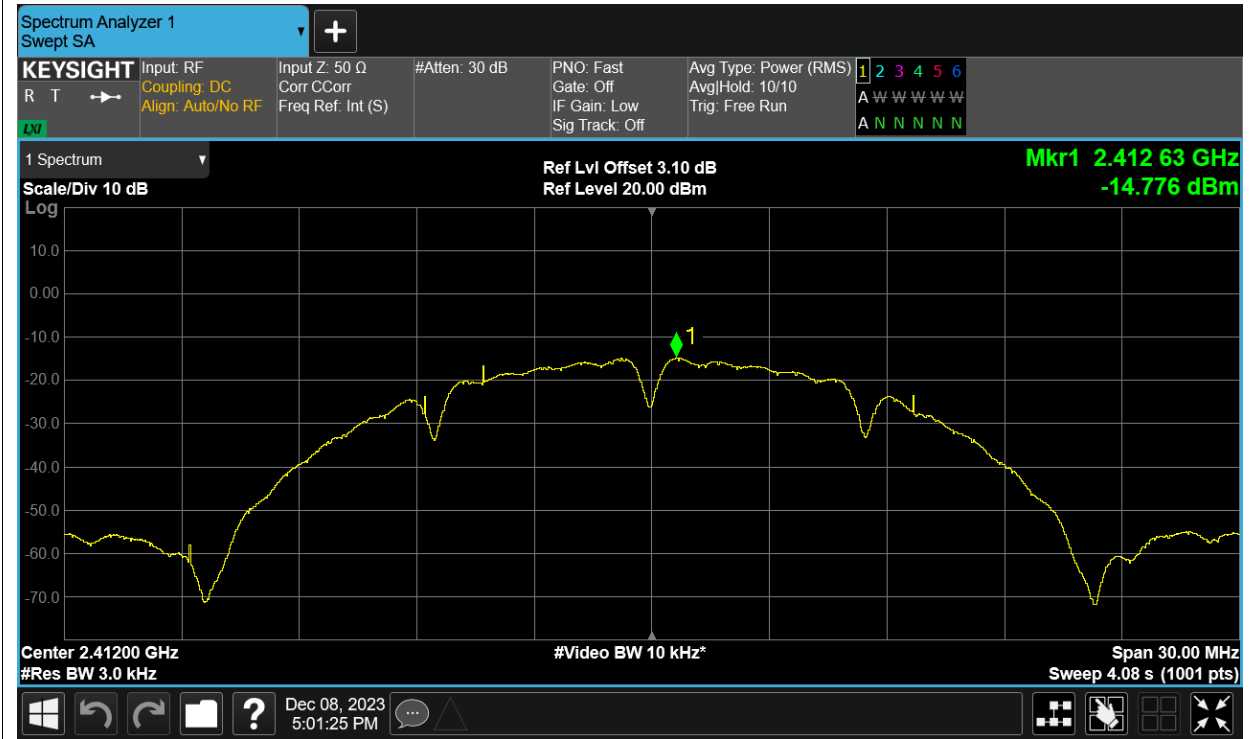


Maximum Power Spectral Density Level

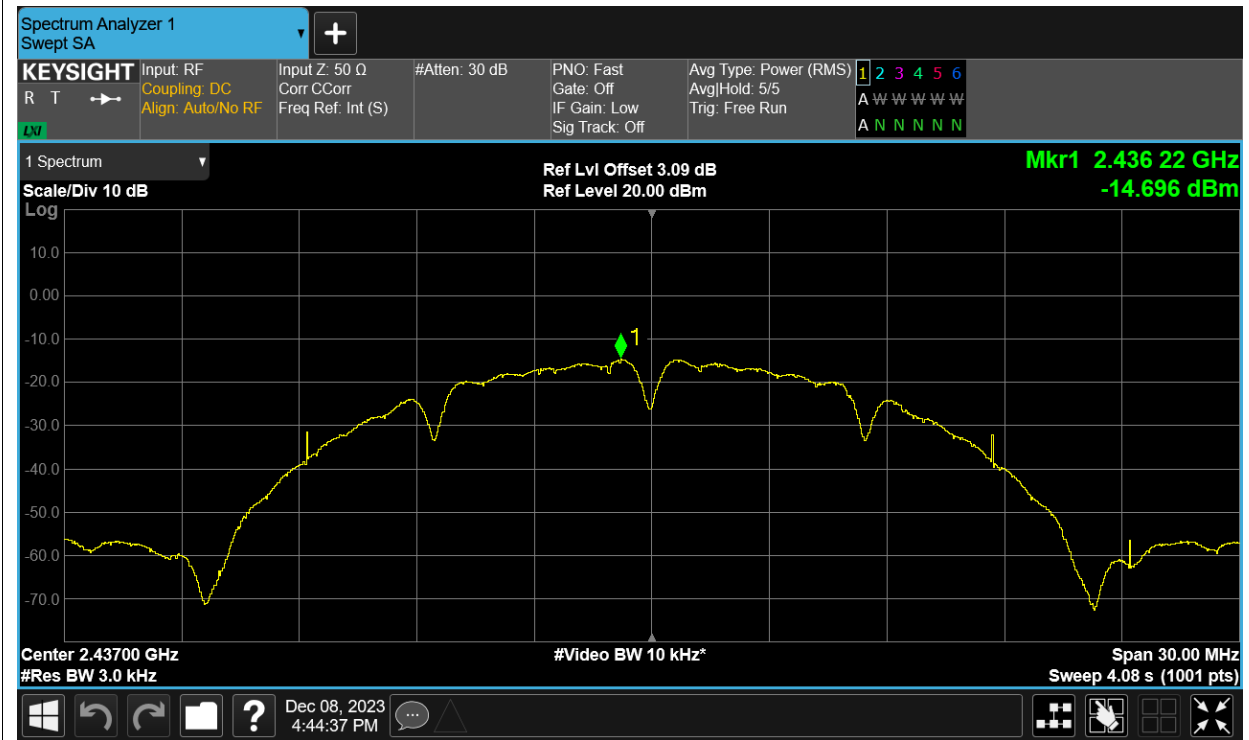
| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | -14.776 | 8 | Pass |
| NVNT | b | 2437 | Ant1 | -14.696 | 8 | Pass |
| NVNT | b | 2462 | Ant1 | -14.291 | 8 | Pass |
| NVNT | b | 2412 | Ant2 | -14.654 | 8 | Pass |
| NVNT | b | 2437 | Ant2 | -14.296 | 8 | Pass |
| NVNT | b | 2462 | Ant2 | -14.342 | 8 | Pass |
| NVNT | g | 2412 | Ant1 | -20.722 | 8 | Pass |
| NVNT | g | 2437 | Ant1 | -20.868 | 8 | Pass |
| NVNT | g | 2462 | Ant1 | -20.583 | 8 | Pass |
| NVNT | g | 2412 | Ant2 | -20.654 | 8 | Pass |
| NVNT | g | 2437 | Ant2 | -19.883 | 8 | Pass |
| NVNT | g | 2462 | Ant2 | -20.474 | 8 | Pass |
| NVNT | n20 | 2412 | Ant1 | -23.626 | 8 | Pass |
| NVNT | n20 | 2412 | Ant2 | -22.777 | 8 | Pass |
| NVNT | n20 | 2412 | Sum | -20.17 | 8 | Pass |
| NVNT | n20 | 2437 | Ant1 | -23.592 | 8 | Pass |
| NVNT | n20 | 2437 | Ant2 | -22.534 | 8 | Pass |
| NVNT | n20 | 2437 | Sum | -20.021 | 8 | Pass |
| NVNT | n20 | 2462 | Ant1 | -23.187 | 8 | Pass |
| NVNT | n20 | 2462 | Ant2 | -22.692 | 8 | Pass |
| NVNT | n20 | 2462 | Sum | -19.922 | 8 | Pass |
| NVNT | n40 | 2422 | Ant1 | -28.35 | 8 | Pass |
| NVNT | n40 | 2422 | Ant2 | -28.107 | 8 | Pass |
| NVNT | n40 | 2422 | Sum | -25.217 | 8 | Pass |
| NVNT | n40 | 2437 | Ant1 | -28.572 | 8 | Pass |
| NVNT | n40 | 2437 | Ant2 | -27.85 | 8 | Pass |
| NVNT | n40 | 2437 | Sum | -25.186 | 8 | Pass |
| NVNT | n40 | 2452 | Ant1 | -28.868 | 8 | Pass |
| NVNT | n40 | 2452 | Ant2 | -27.753 | 8 | Pass |
| NVNT | n40 | 2452 | Sum | -25.265 | 8 | Pass |

Test Graphs

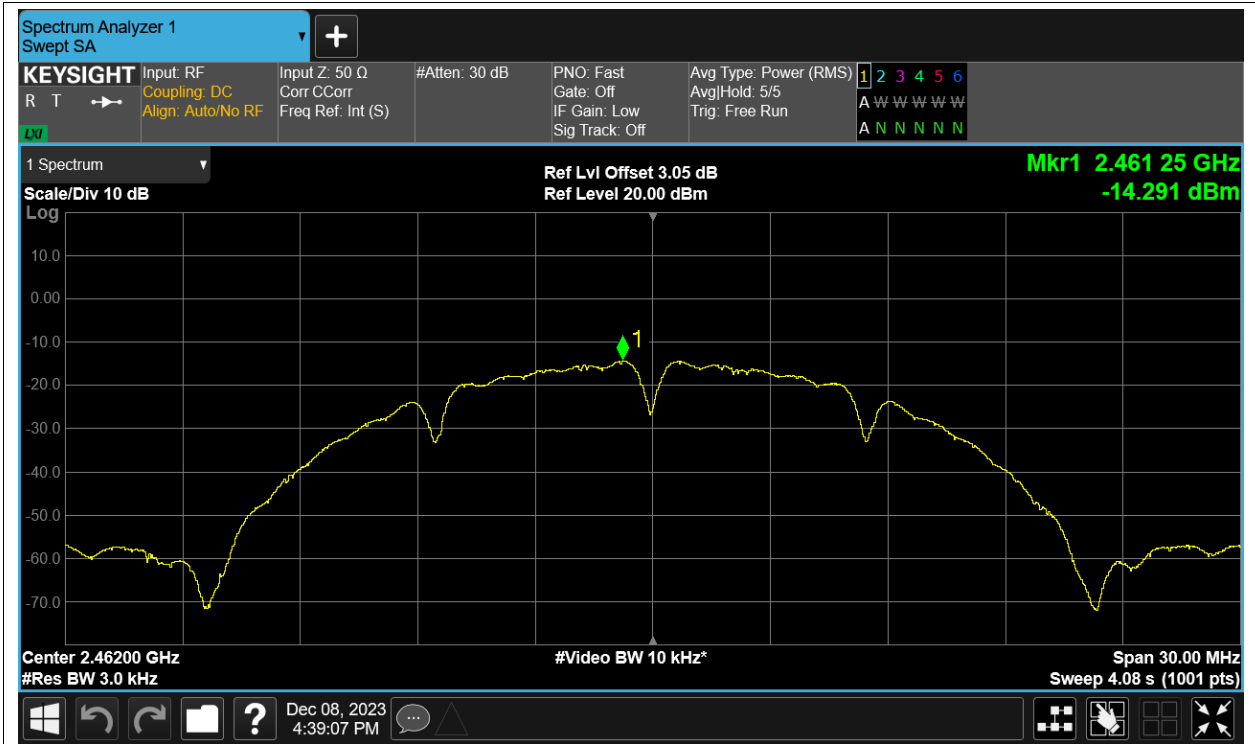
PSD NVNT b 2412MHz Ant1



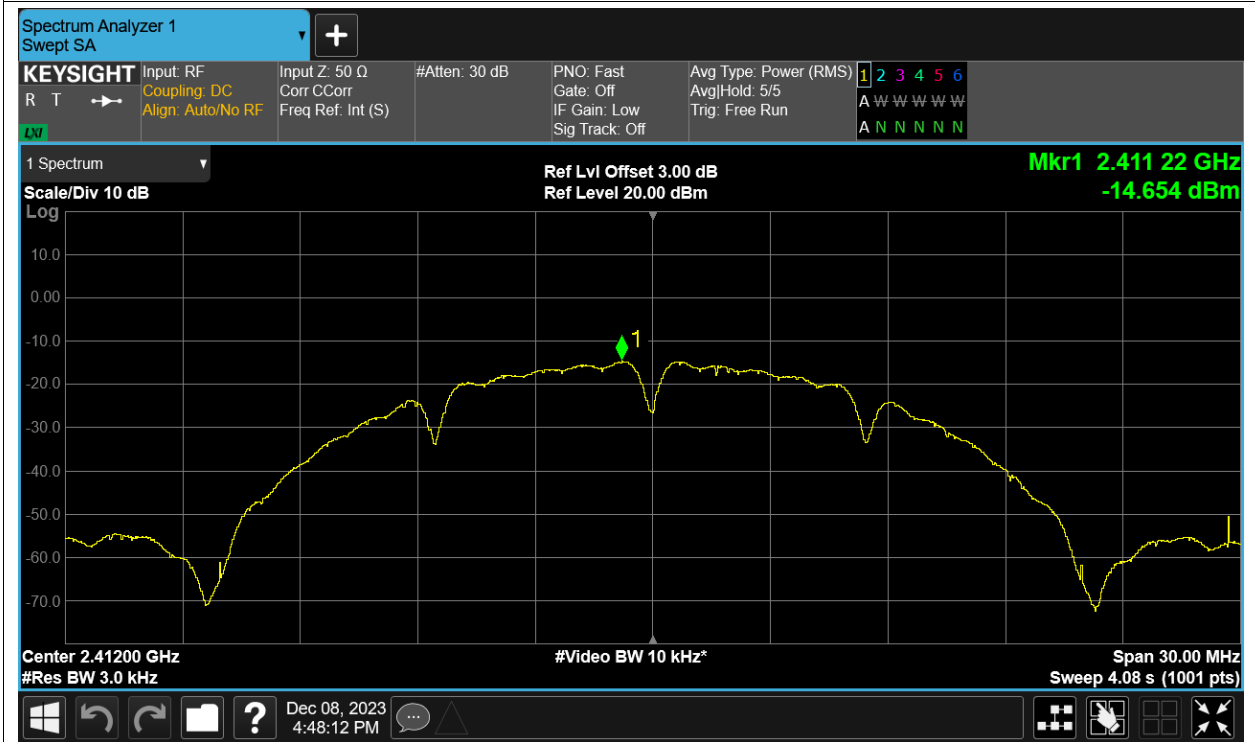
PSD NVNT b 2437MHz Ant1



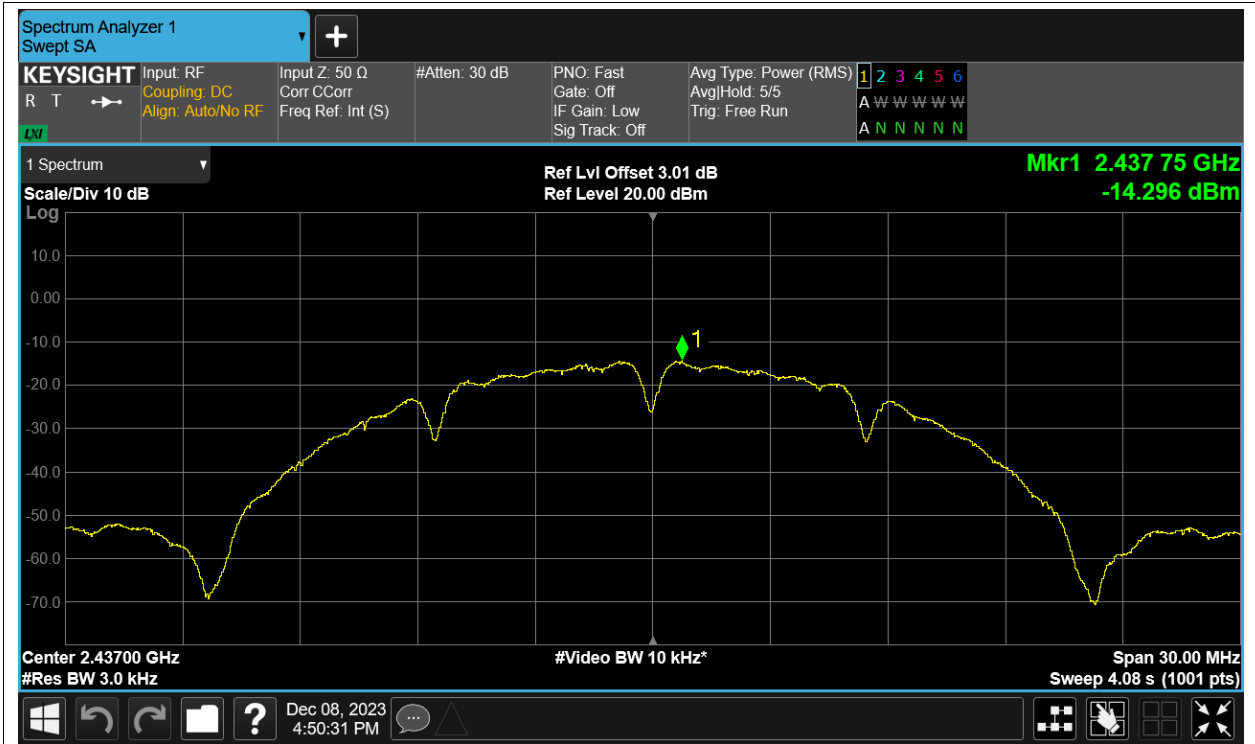
PSD NVNT b 2462MHz Ant1



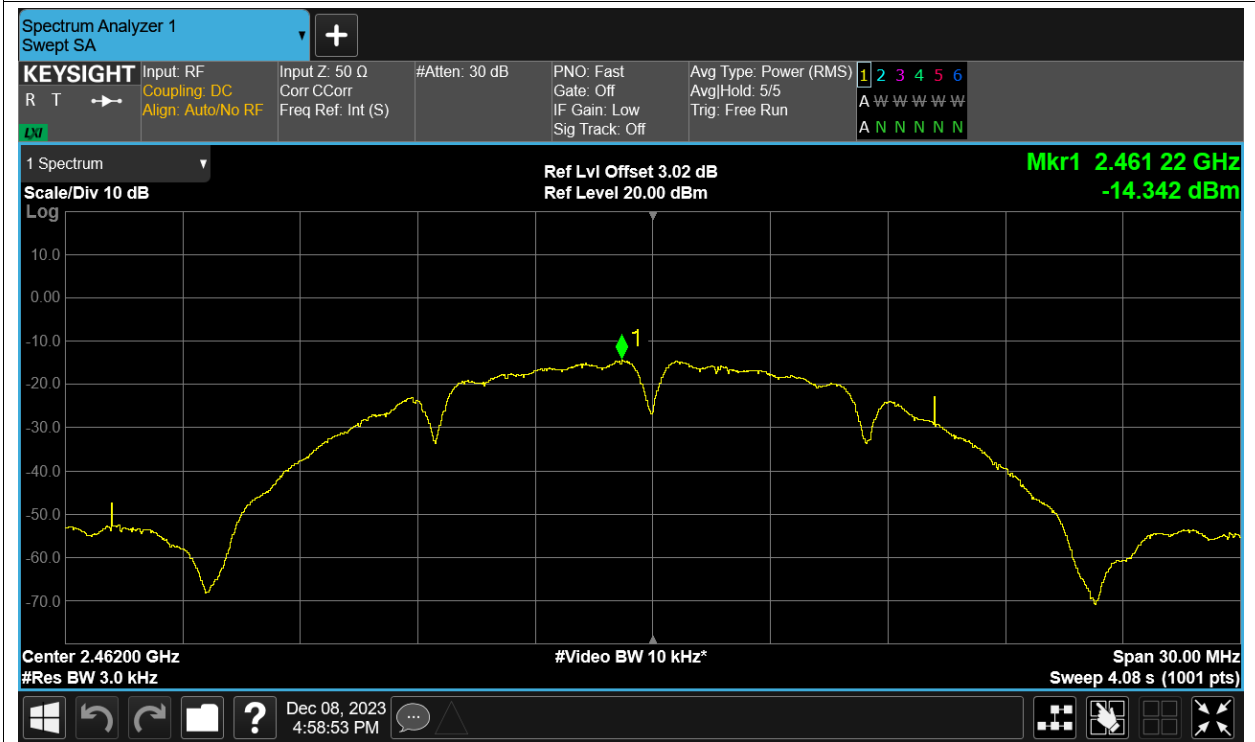
PSD NVNT b 2412MHz Ant2



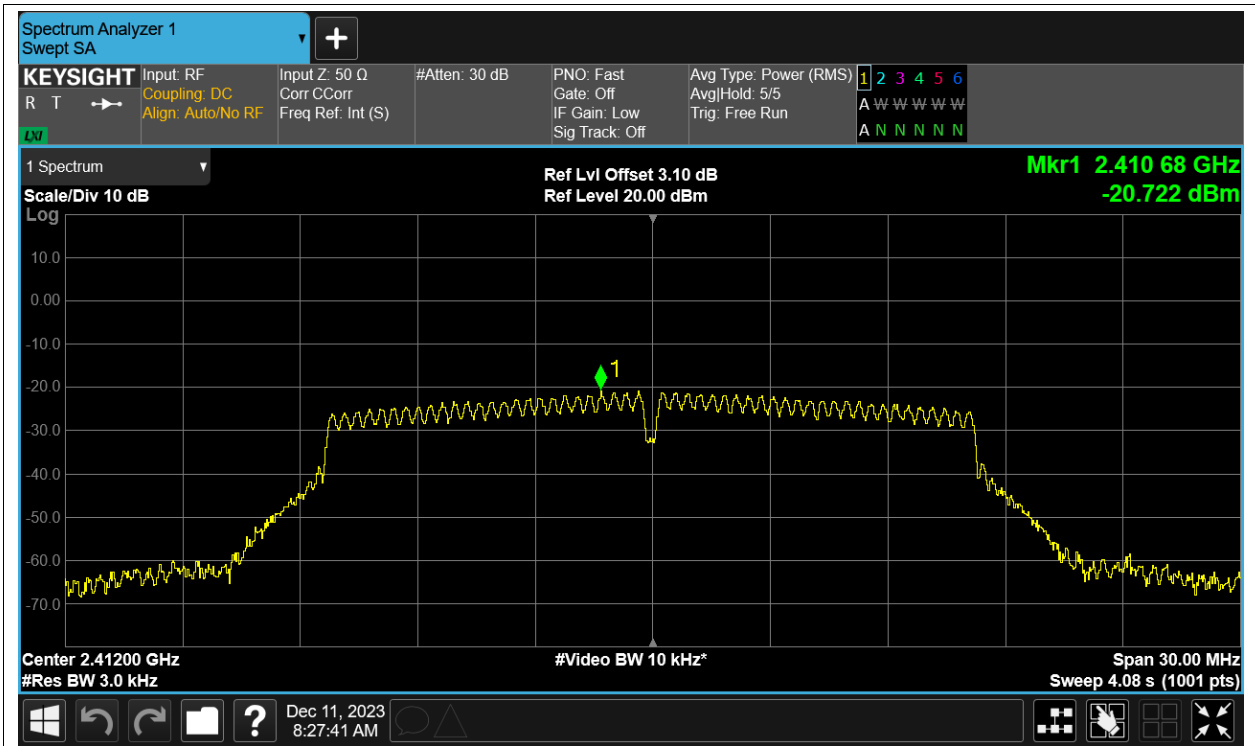
PSD NVNT b 2437MHz Ant2



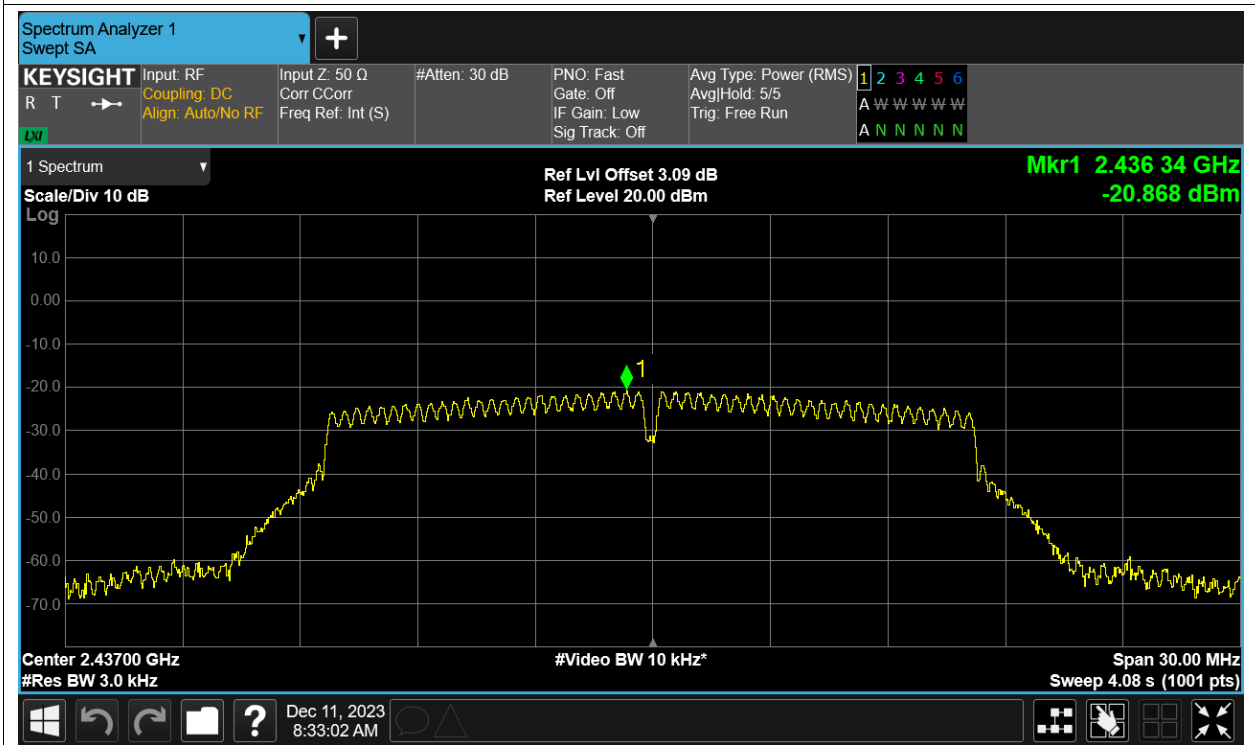
PSD NVNT b 2462MHz Ant2



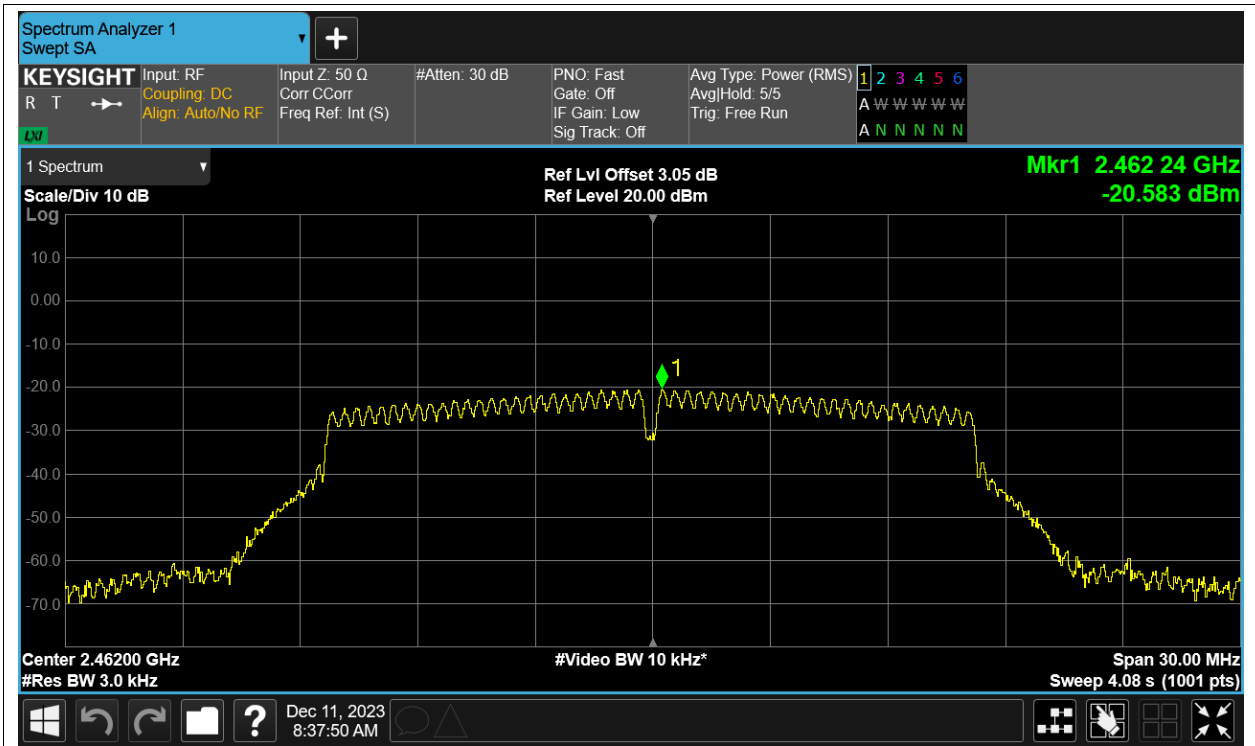
PSD NVNT g 2412MHz Ant1



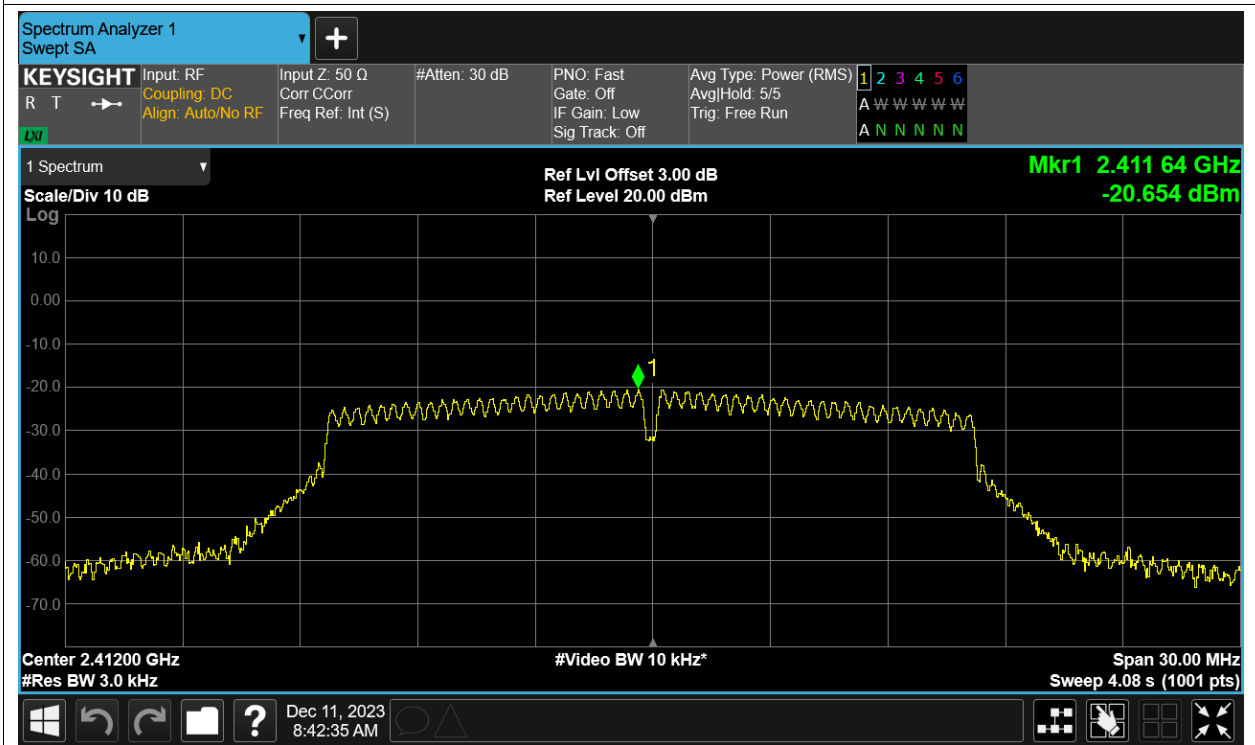
PSD NVNT g 2437MHz Ant1



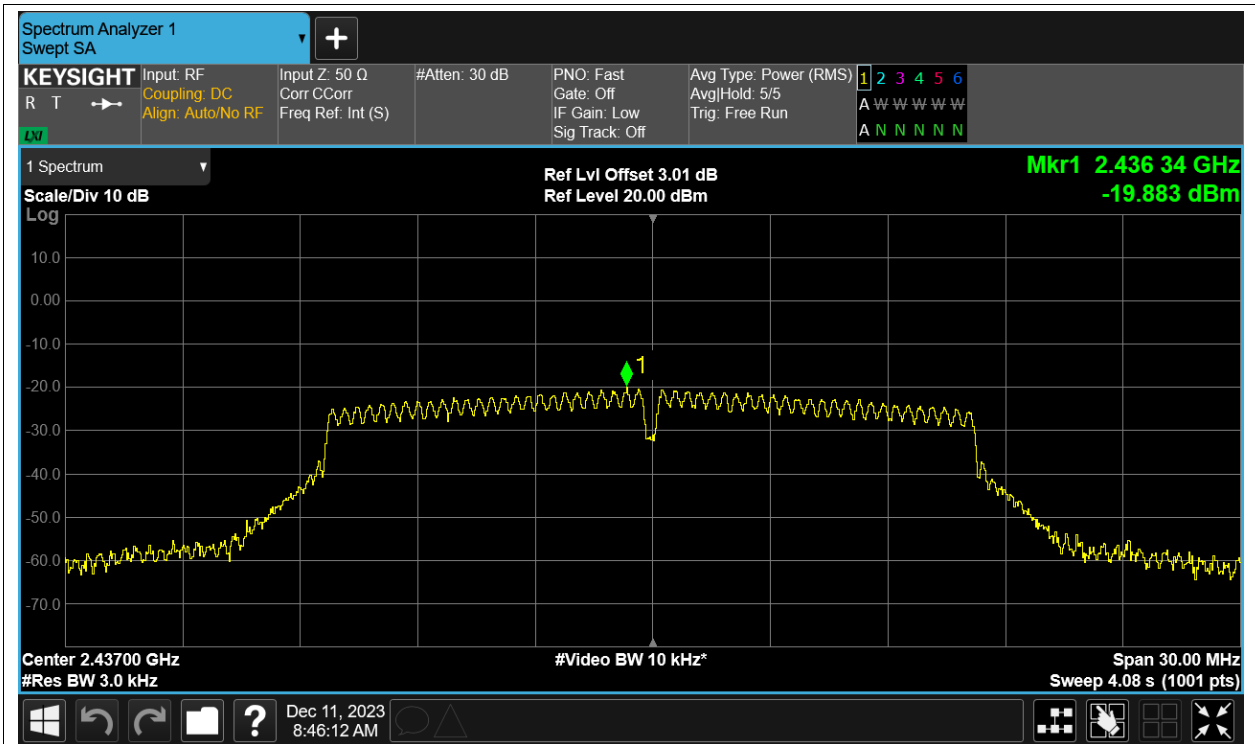
PSD NVNT g 2462MHz Ant1



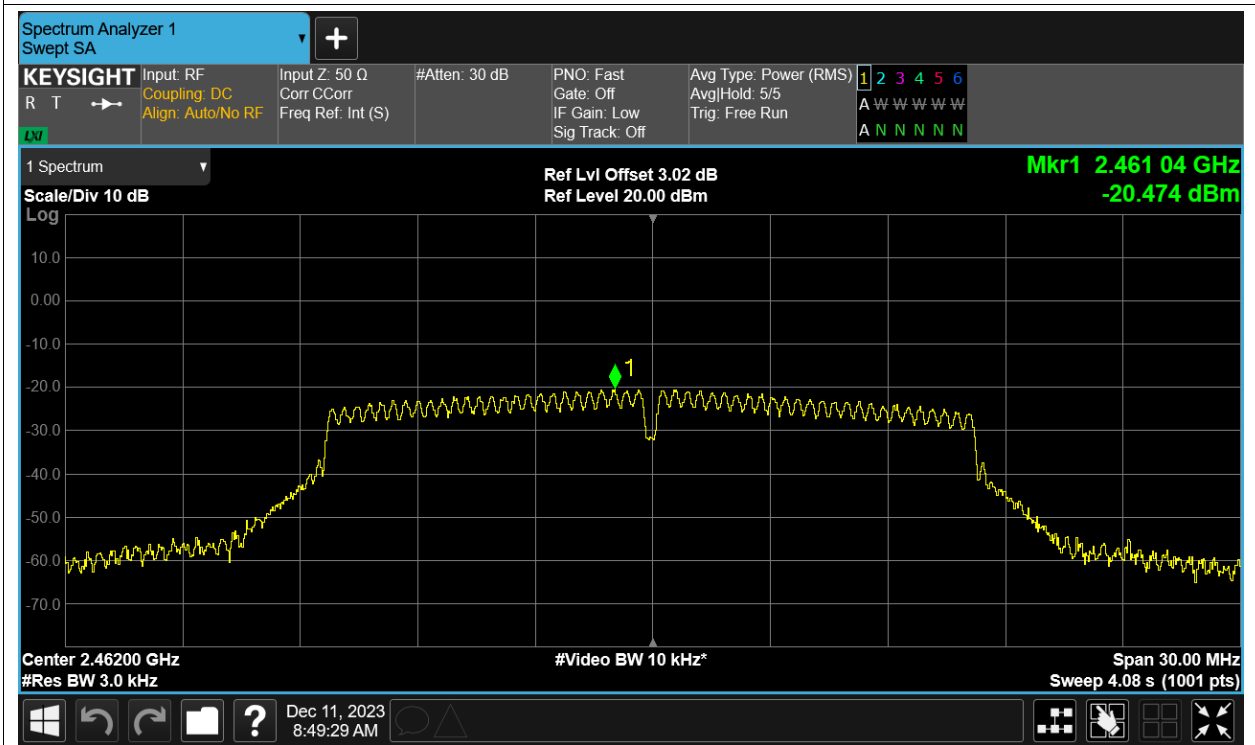
PSD NVNT g 2412MHz Ant2



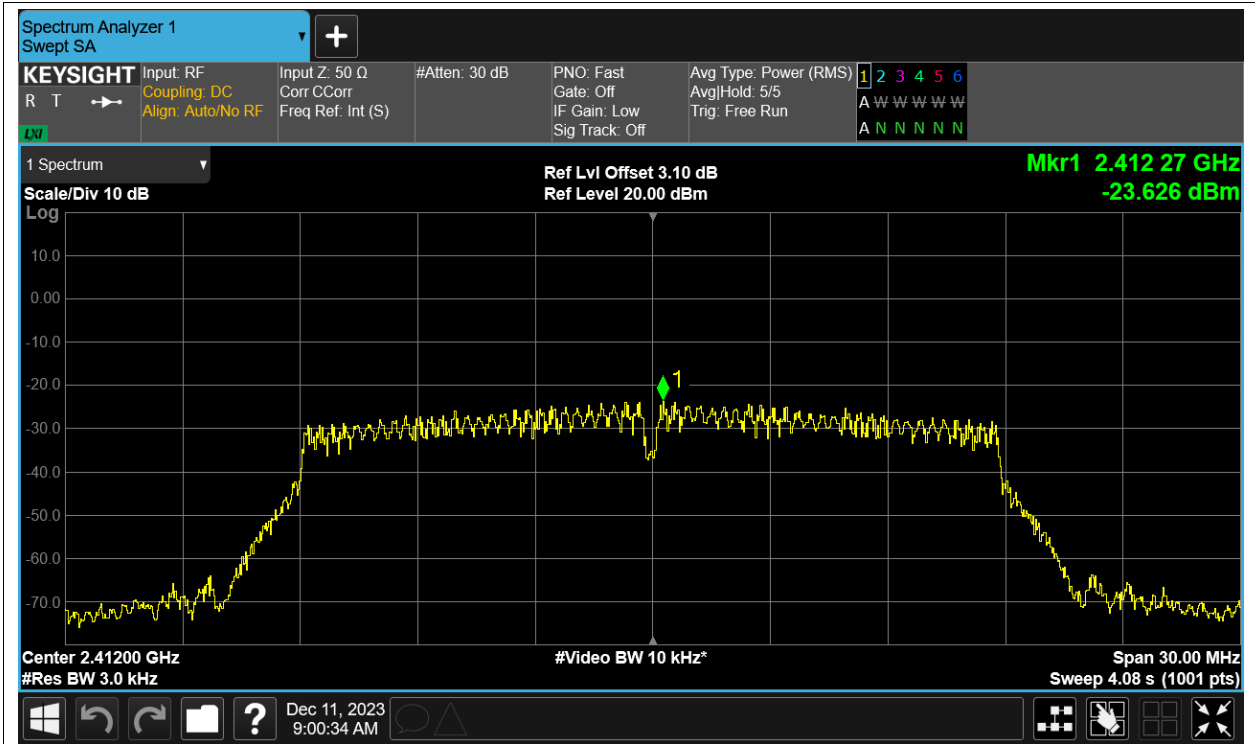
PSD NVNT g 2437MHz Ant2



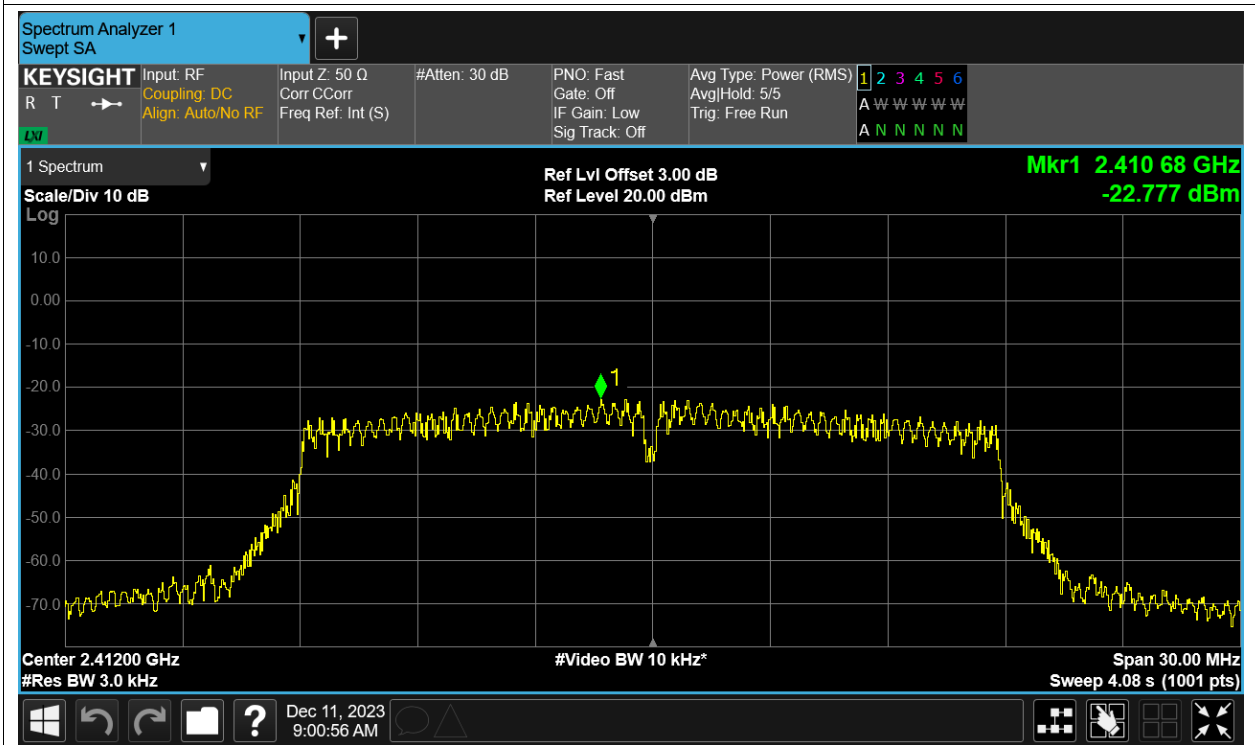
PSD NVNT g 2462MHz Ant2



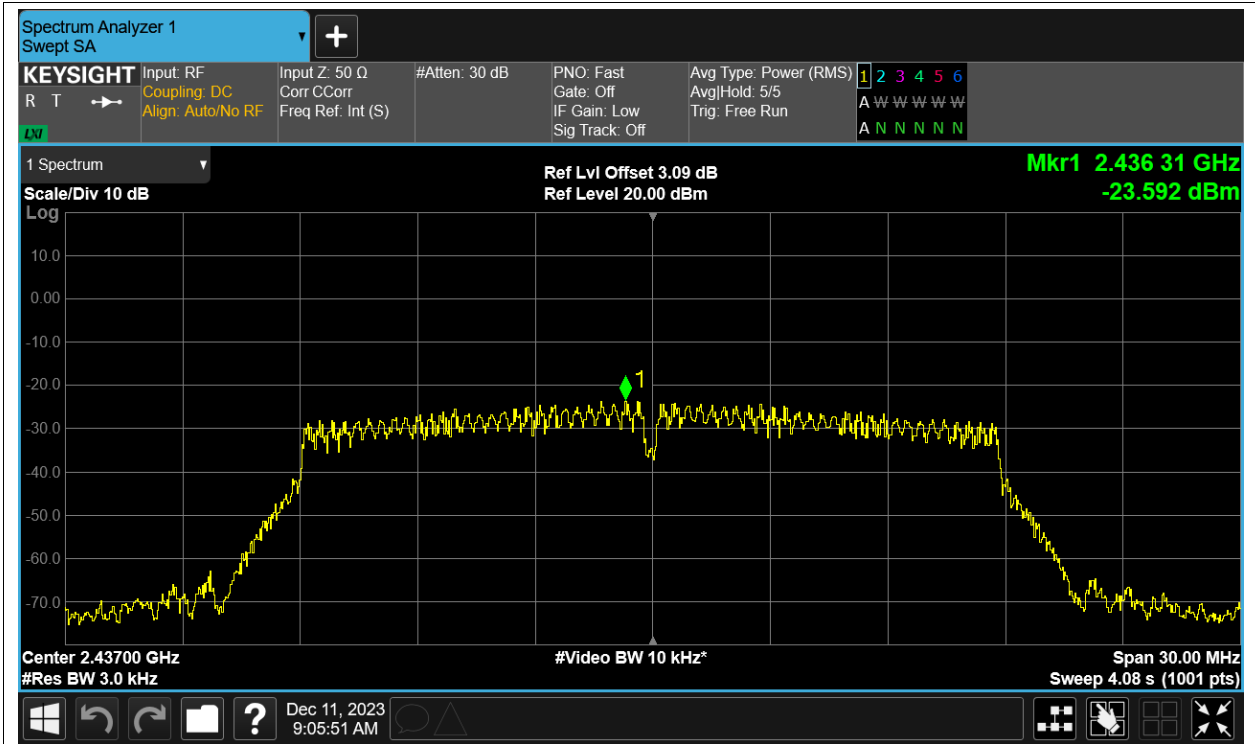
PSD NVNT n20 2412MHz Ant1



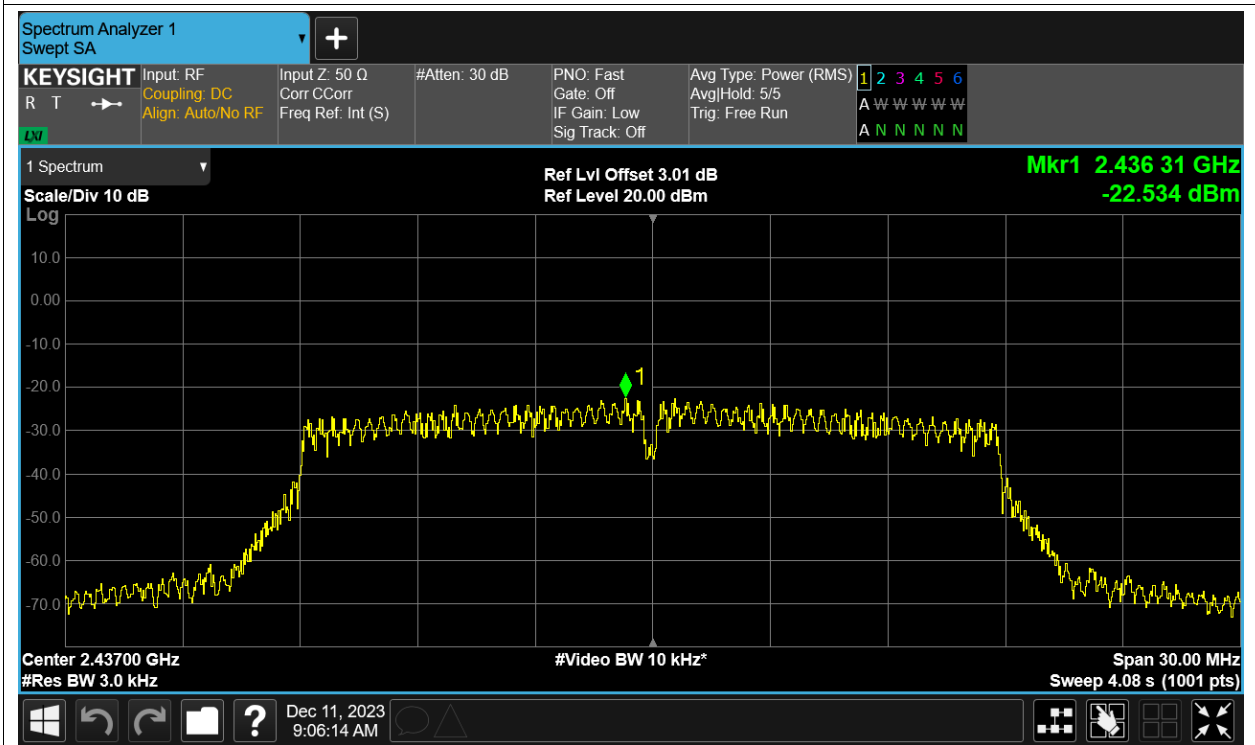
PSD NVNT n20 2412MHz Ant2



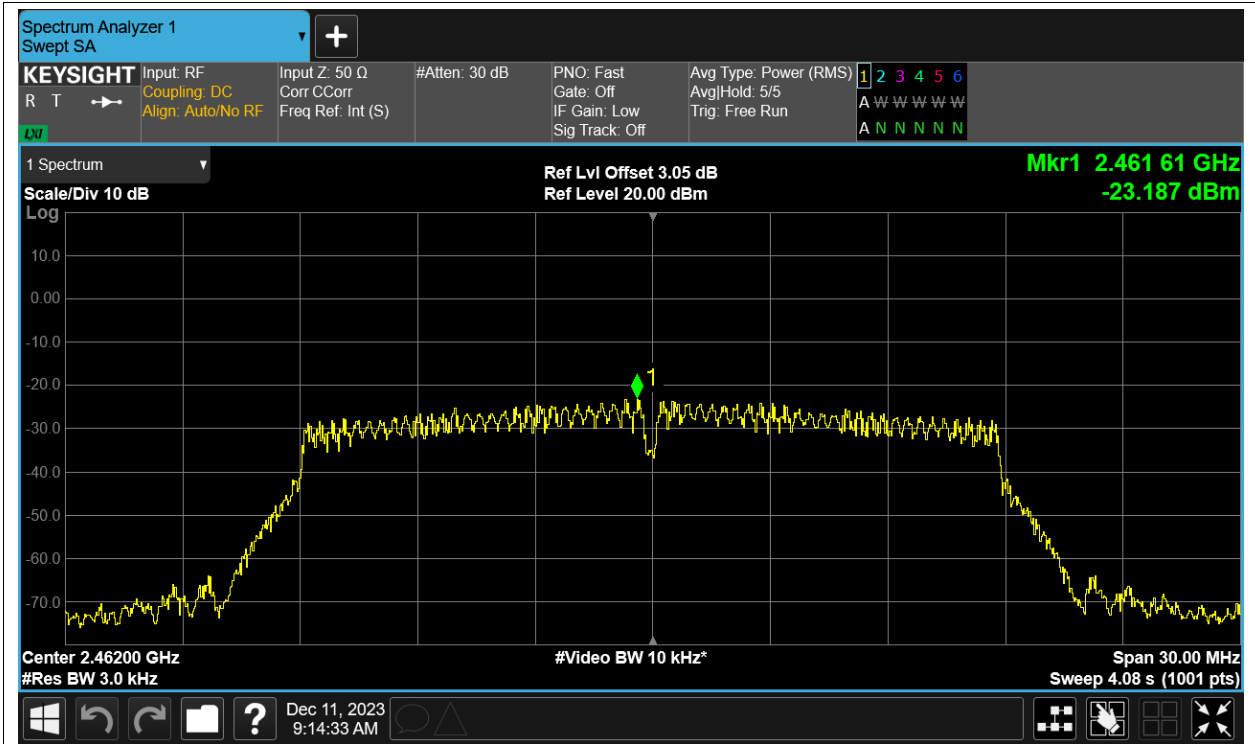
PSD NVNT n20 2437MHz Ant1



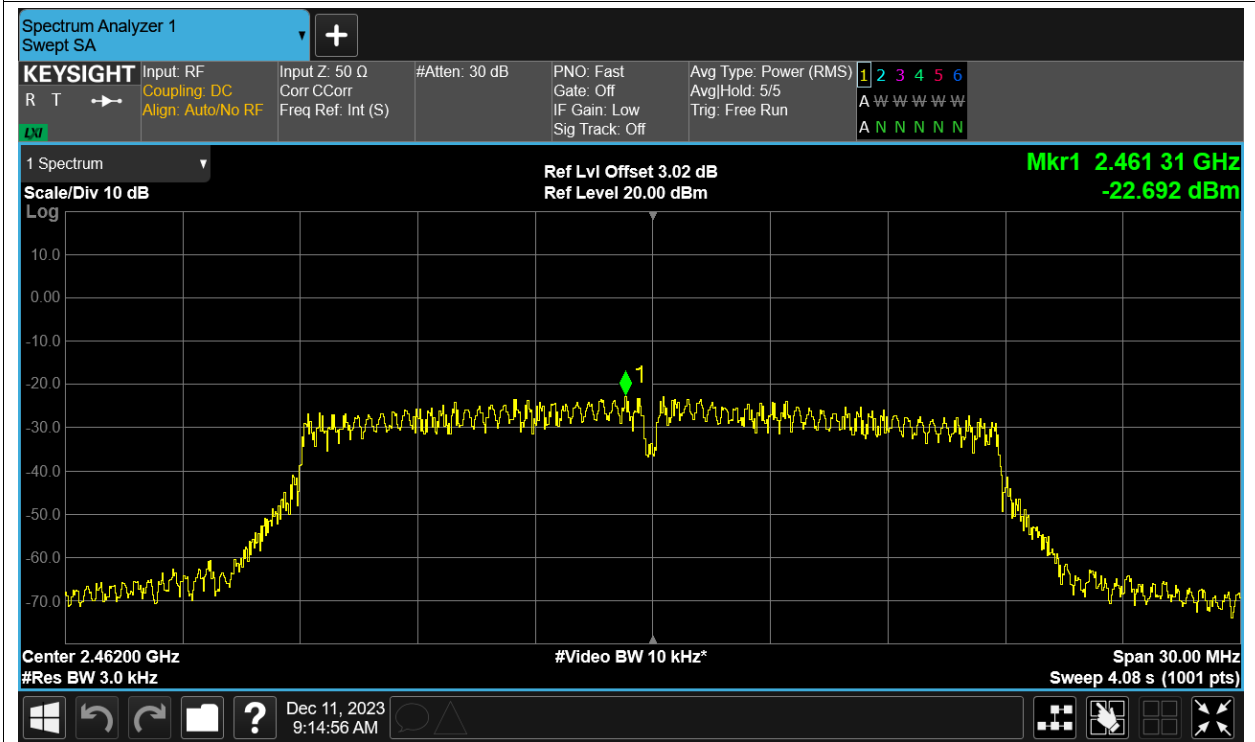
PSD NVNT n20 2437MHz Ant2



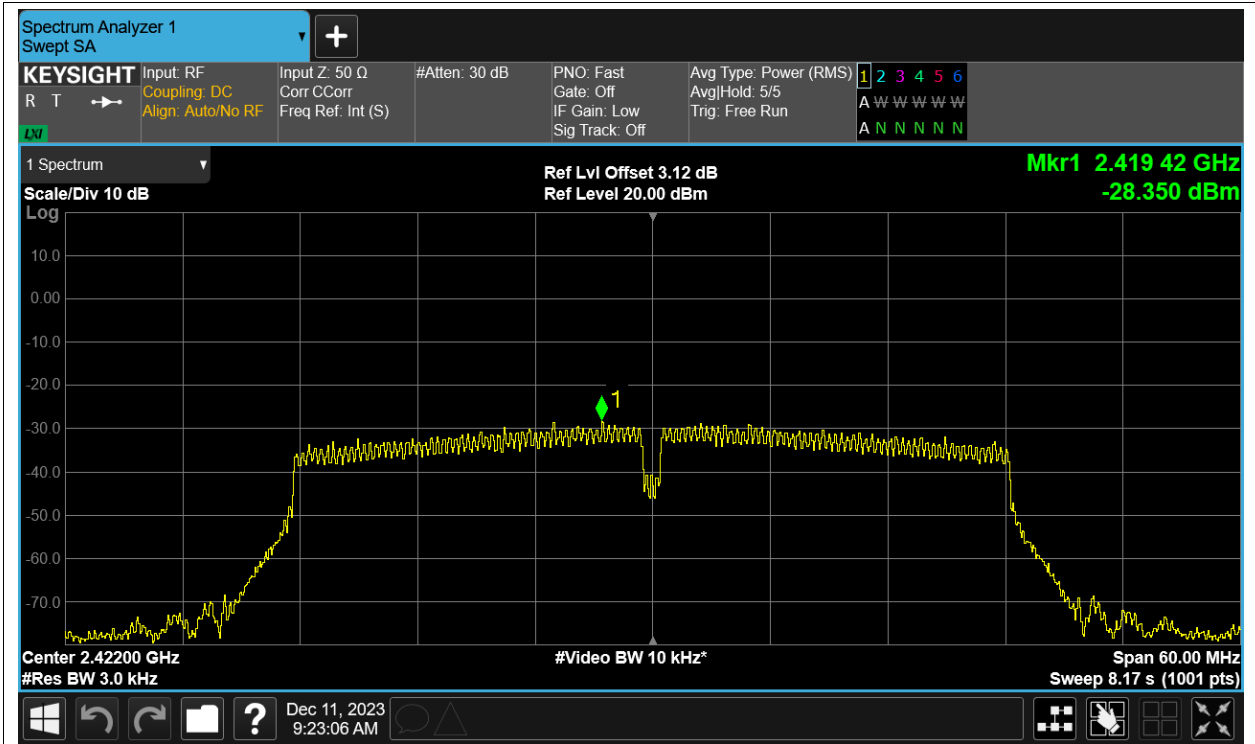
PSD NVNT n20 2462MHz Ant1



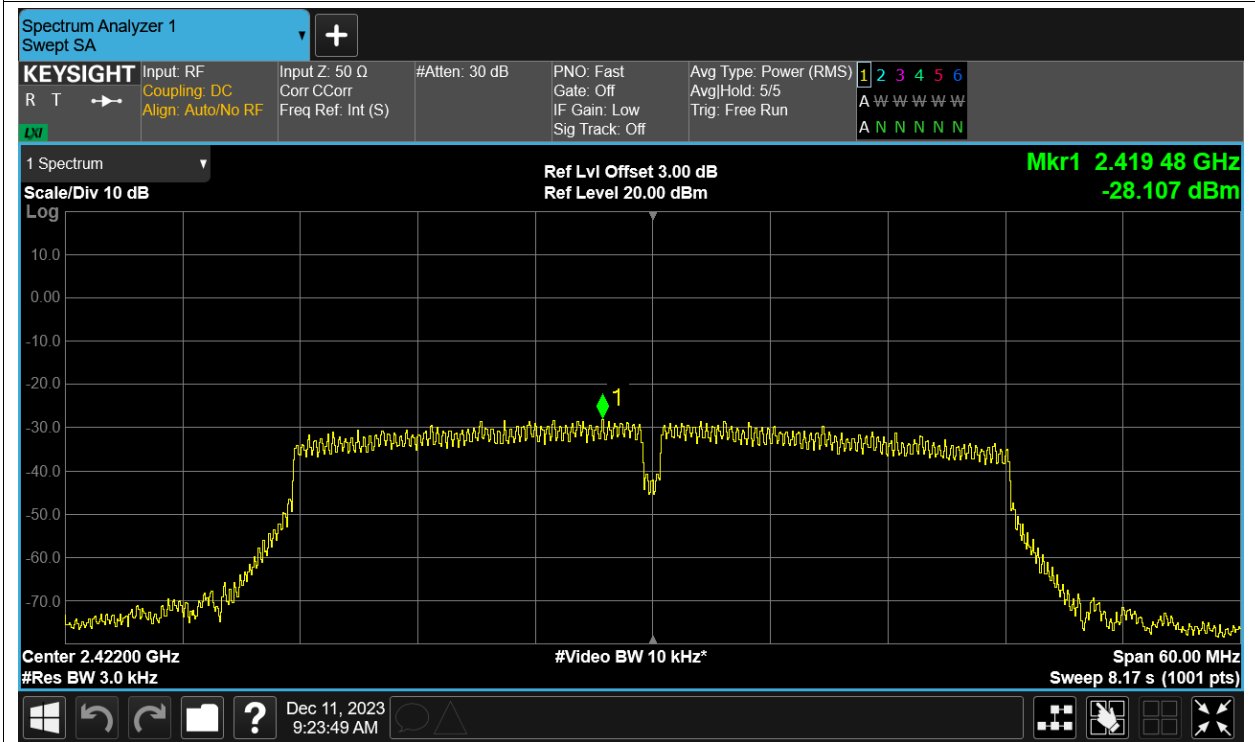
PSD NVNT n20 2462MHz Ant2



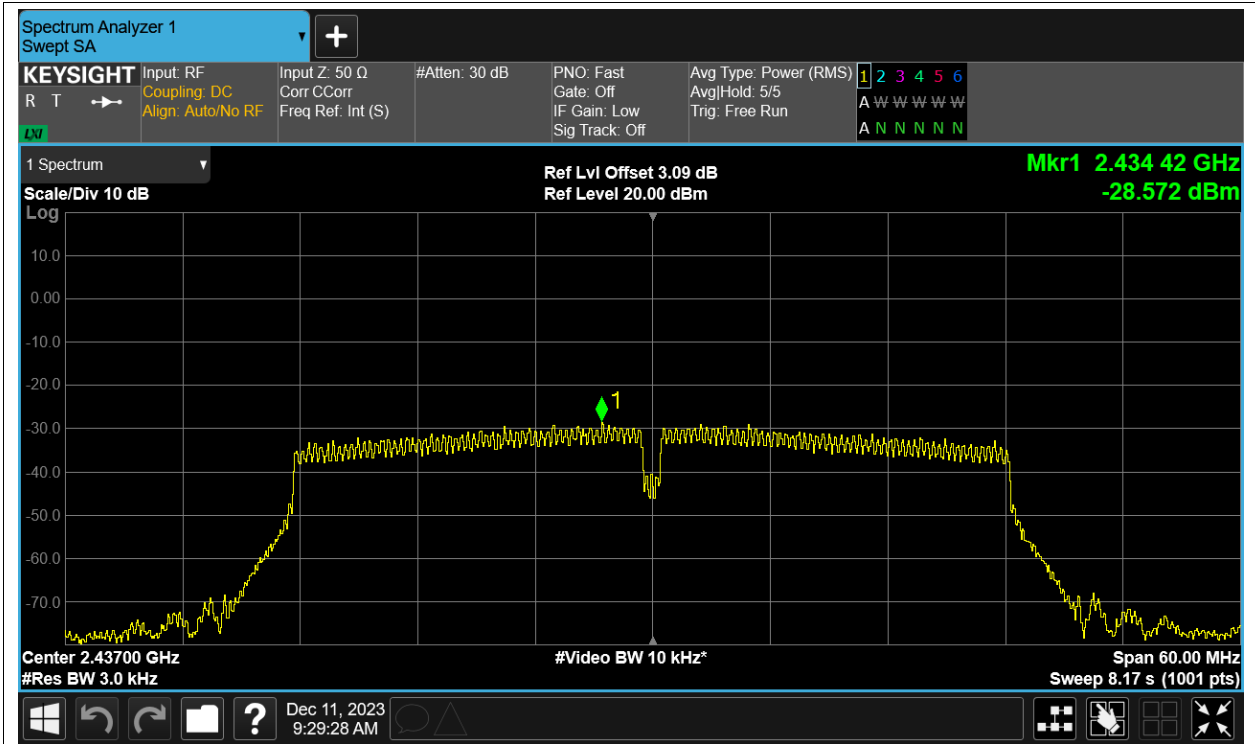
PSD NVNT n40 2422MHz Ant1



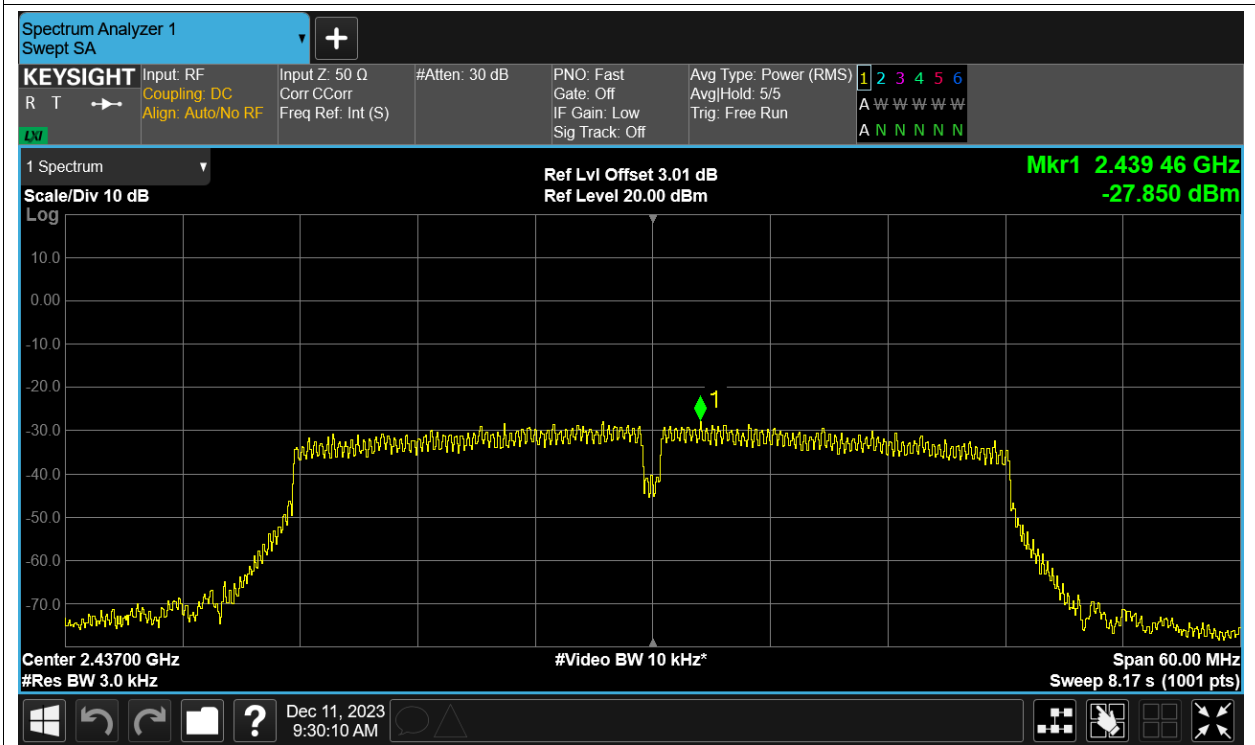
PSD NVNT n40 2422MHz Ant2



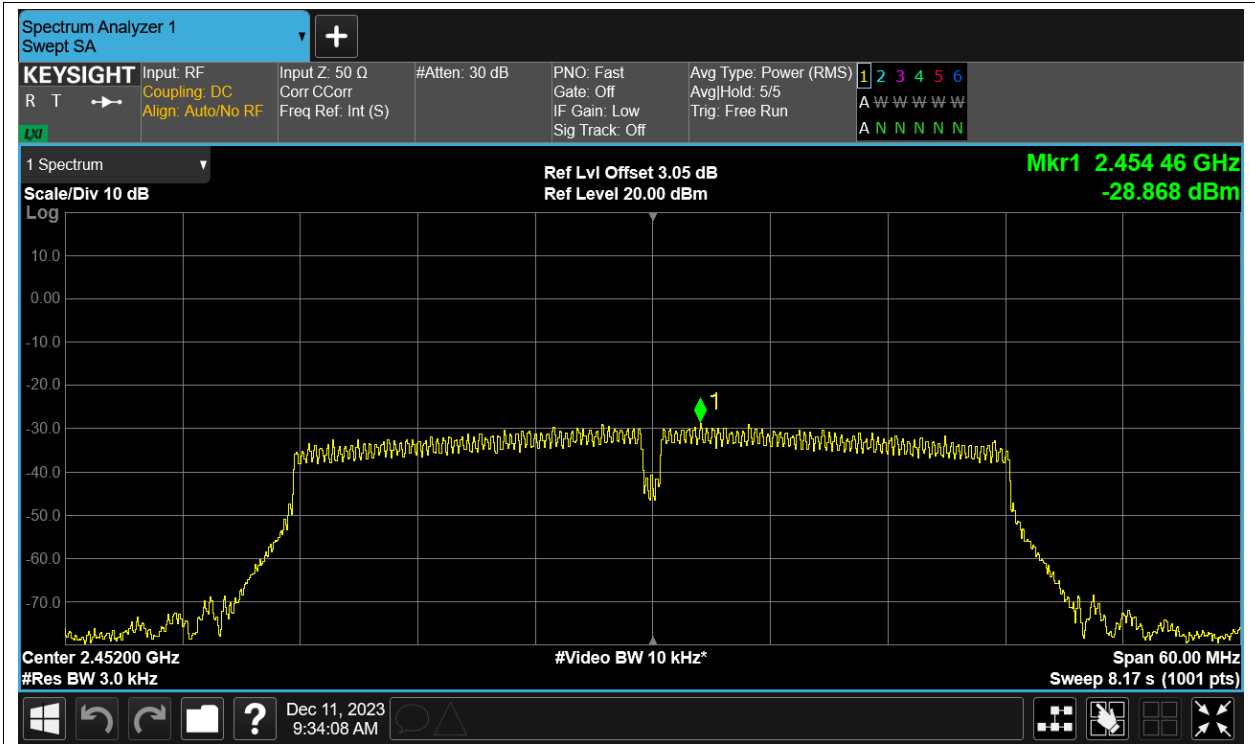
PSD NVNT n40 2437MHz Ant1



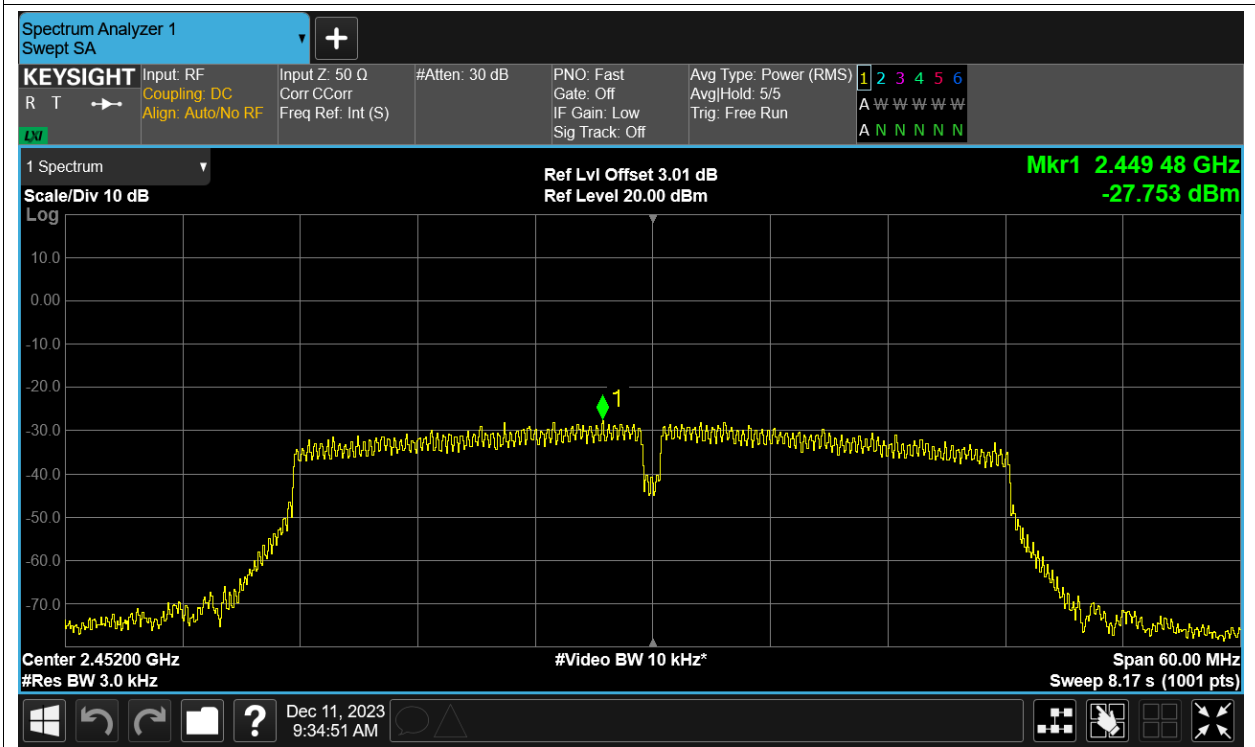
PSD NVNT n40 2437MHz Ant2



PSD NVNT n40 2452MHz Ant1



PSD NVNT n40 2452MHz Ant2

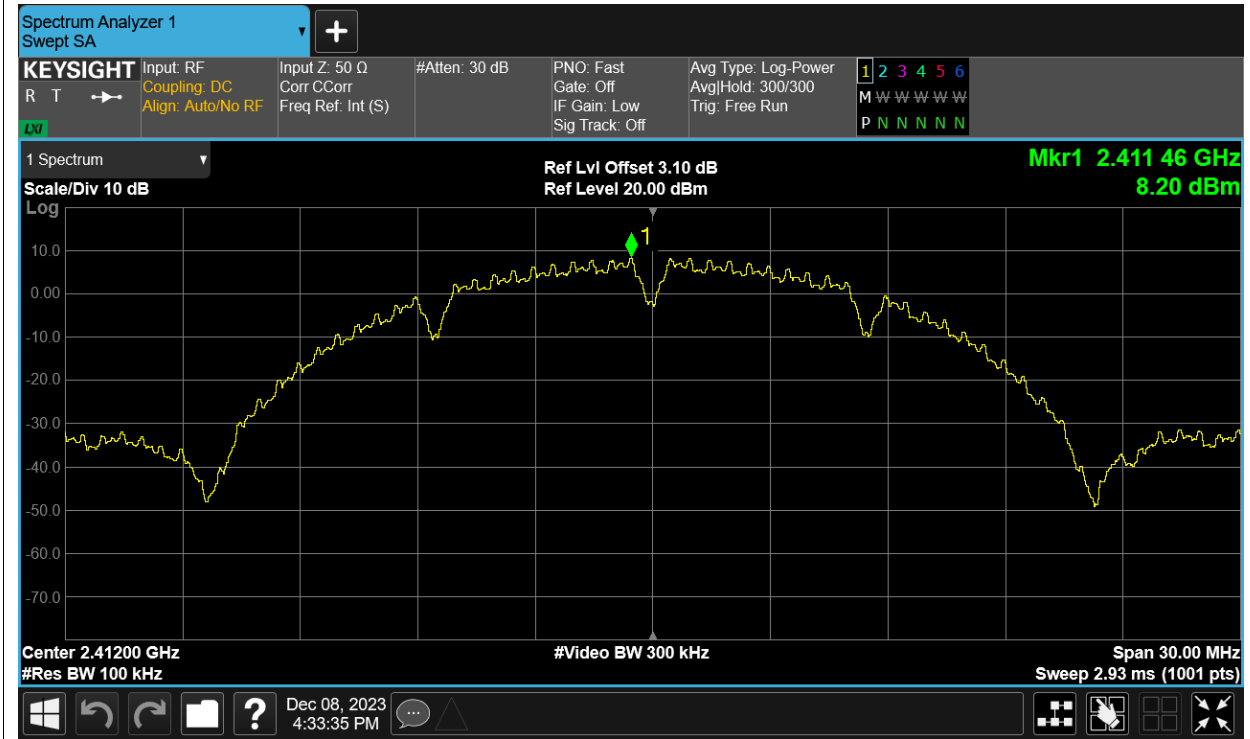


Band Edge

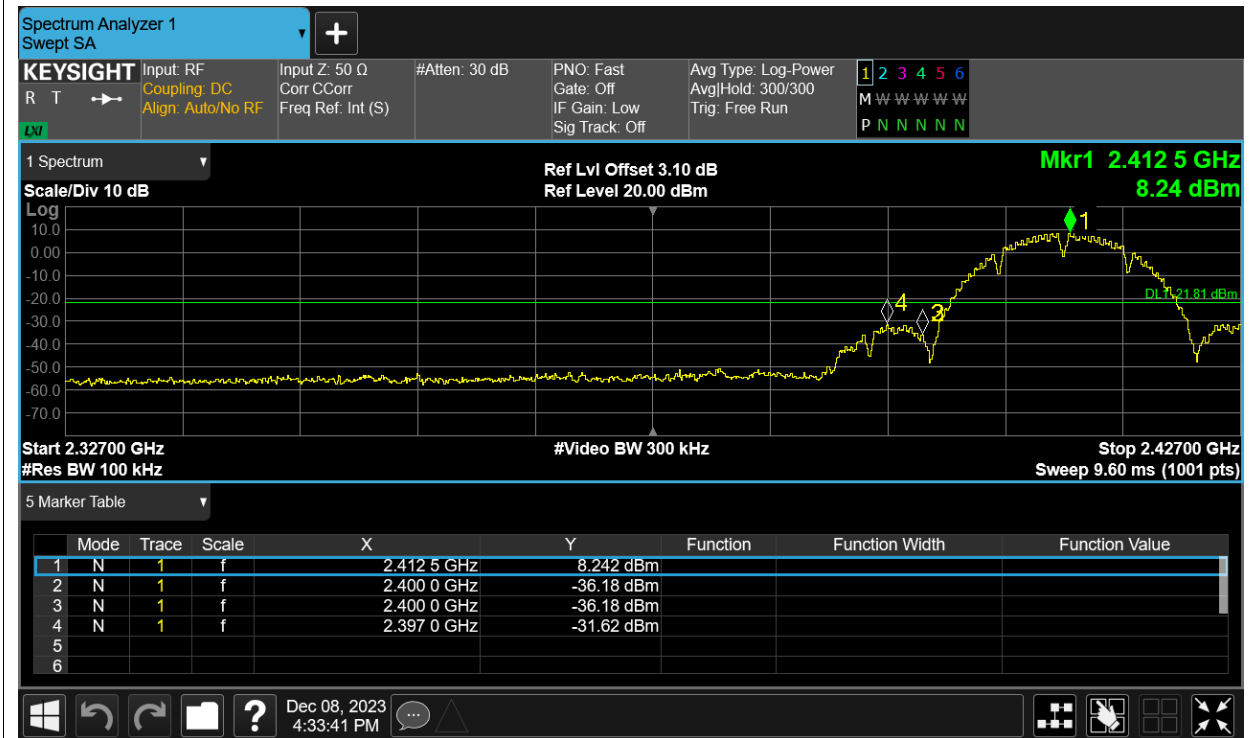
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | -39.82 | -30 | Pass |
| NVNT | b | 2462 | Ant1 | -57.36 | -30 | Pass |
| NVNT | b | 2412 | Ant2 | -39.5 | -30 | Pass |
| NVNT | b | 2462 | Ant2 | -55.78 | -30 | Pass |
| NVNT | g | 2412 | Ant1 | -36.32 | -30 | Pass |
| NVNT | g | 2462 | Ant1 | -52.02 | -30 | Pass |
| NVNT | g | 2412 | Ant2 | -33.94 | -30 | Pass |
| NVNT | g | 2462 | Ant2 | -48.21 | -30 | Pass |
| NVNT | n20 | 2412 | Ant1 | -42.68 | -30 | Pass |
| NVNT | n20 | 2412 | Ant2 | -42.06 | -30 | Pass |
| NVNT | n20 | 2462 | Ant1 | -49.92 | -30 | Pass |
| NVNT | n20 | 2462 | Ant2 | -51.2 | -30 | Pass |
| NVNT | n40 | 2422 | Ant1 | -41.54 | -30 | Pass |
| NVNT | n40 | 2422 | Ant2 | -40.21 | -30 | Pass |
| NVNT | n40 | 2452 | Ant1 | -42.81 | -30 | Pass |
| NVNT | n40 | 2452 | Ant2 | -44.52 | -30 | Pass |

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref