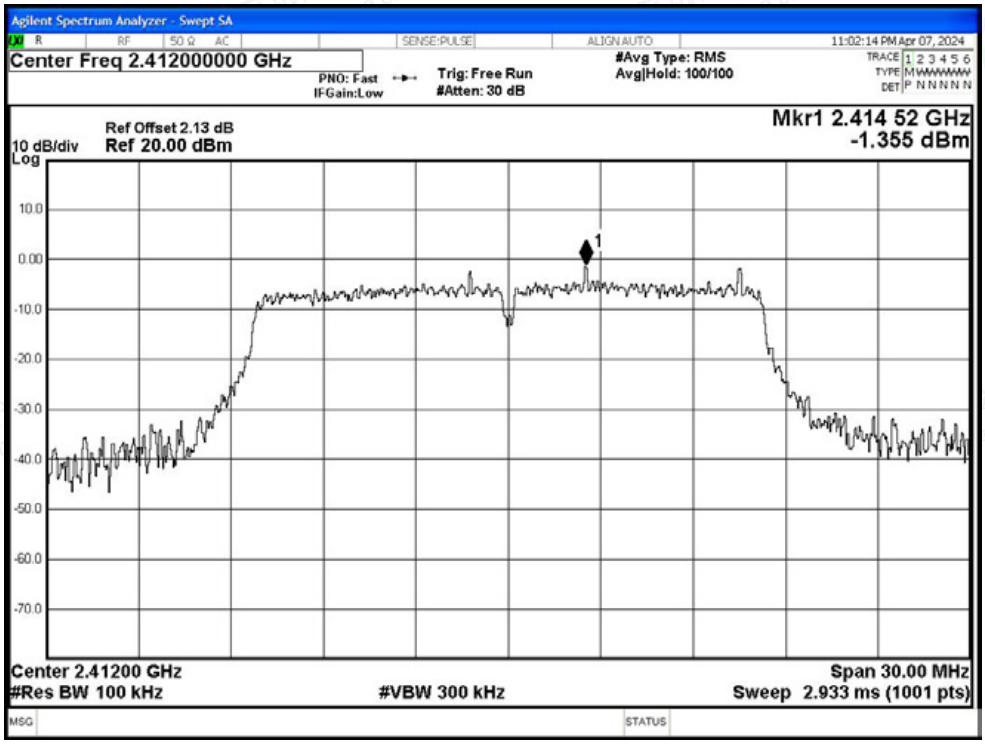
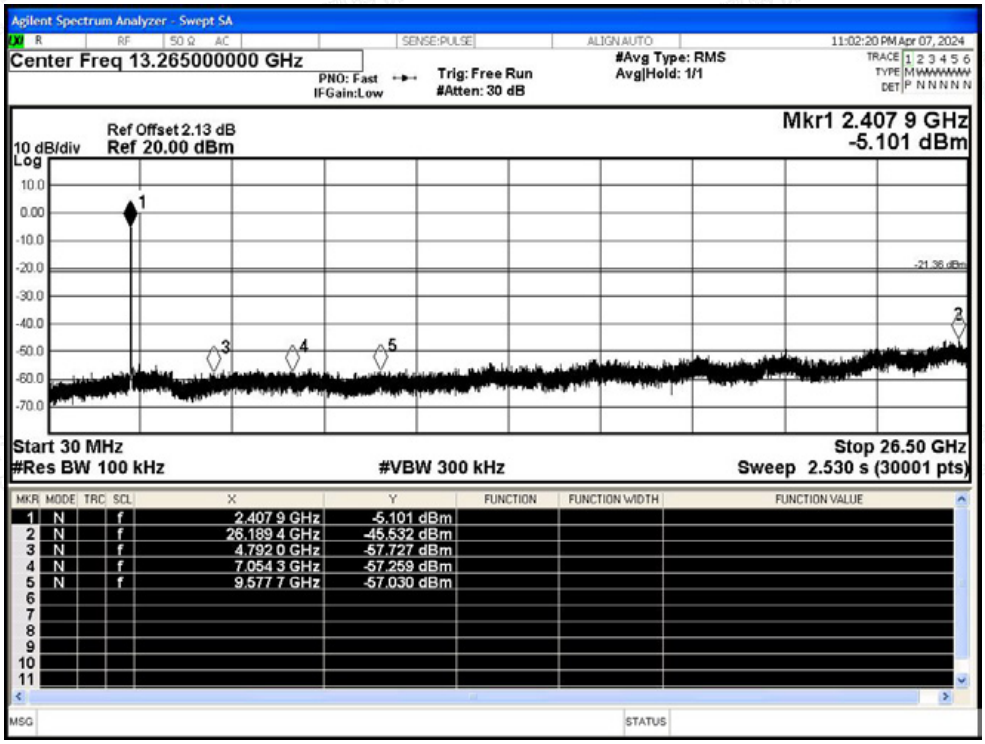
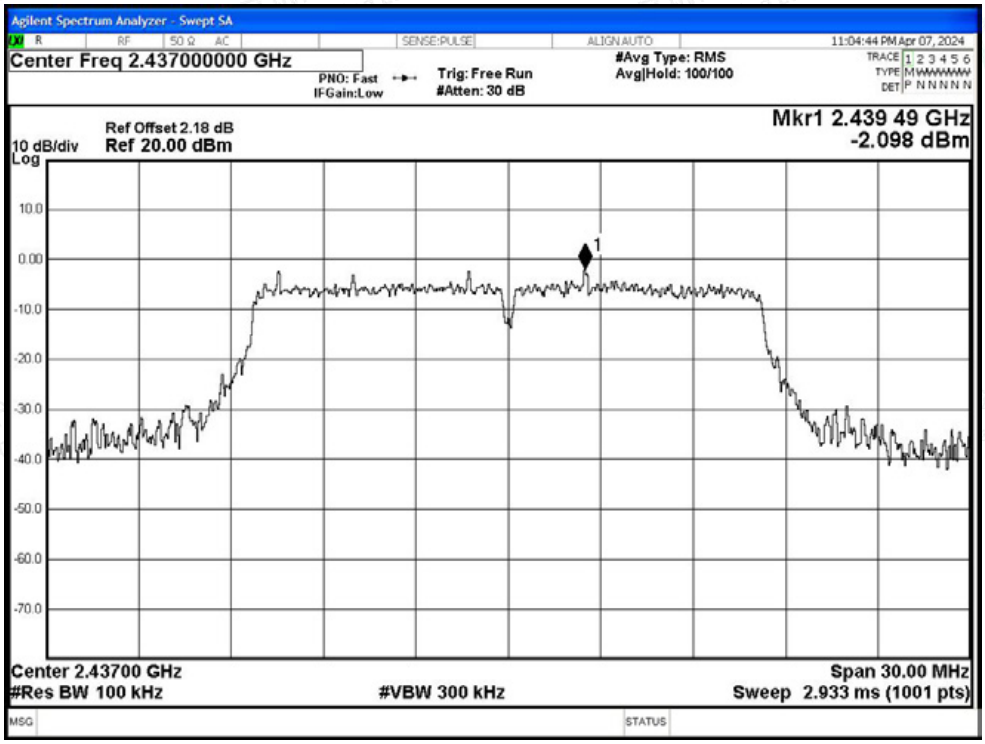
Tx. Spurious NVNT g 2412MHz Ant1 Ref



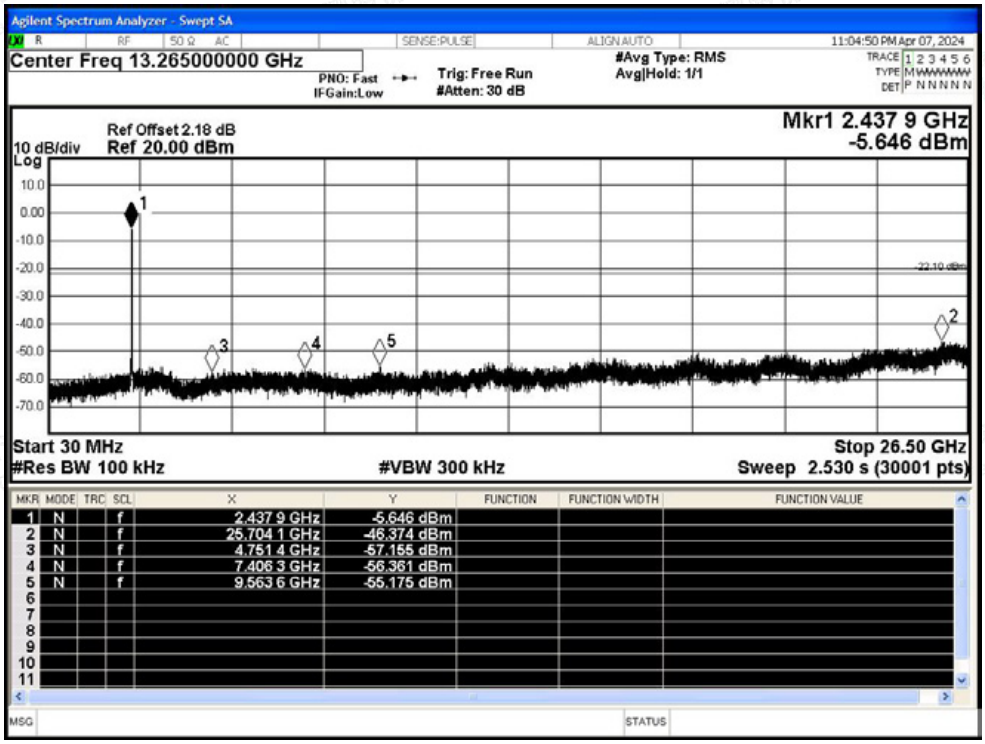

Tx. Spurious NVNT g 2412MHz Ant1 Emission



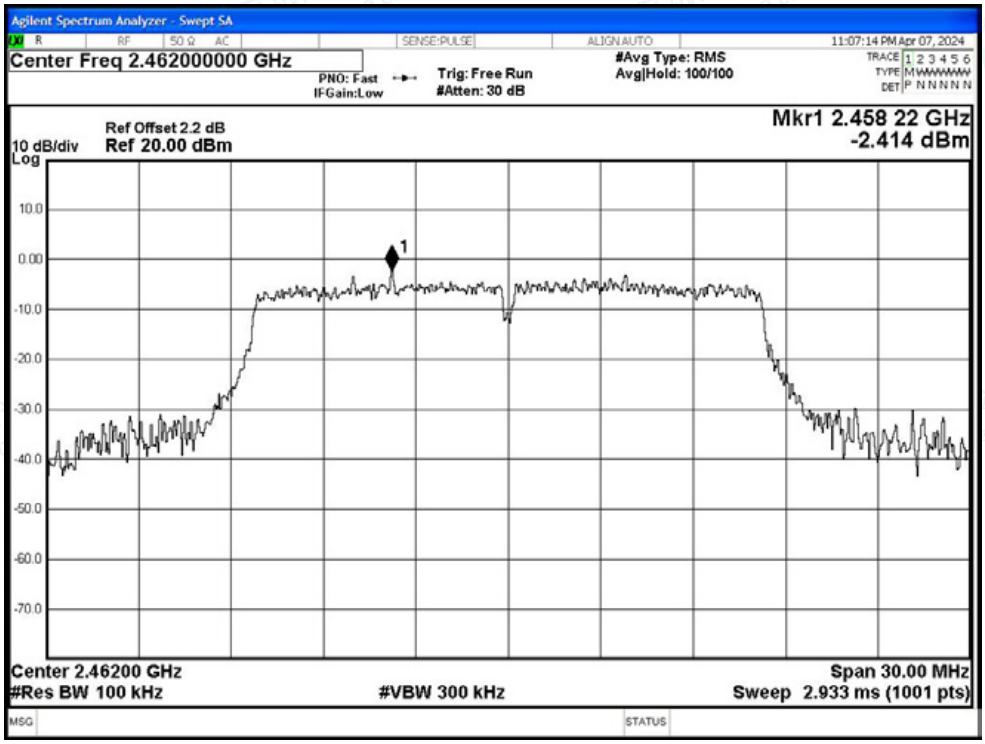
Tx. Spurious NVNT g 2437MHz Ant1 Ref



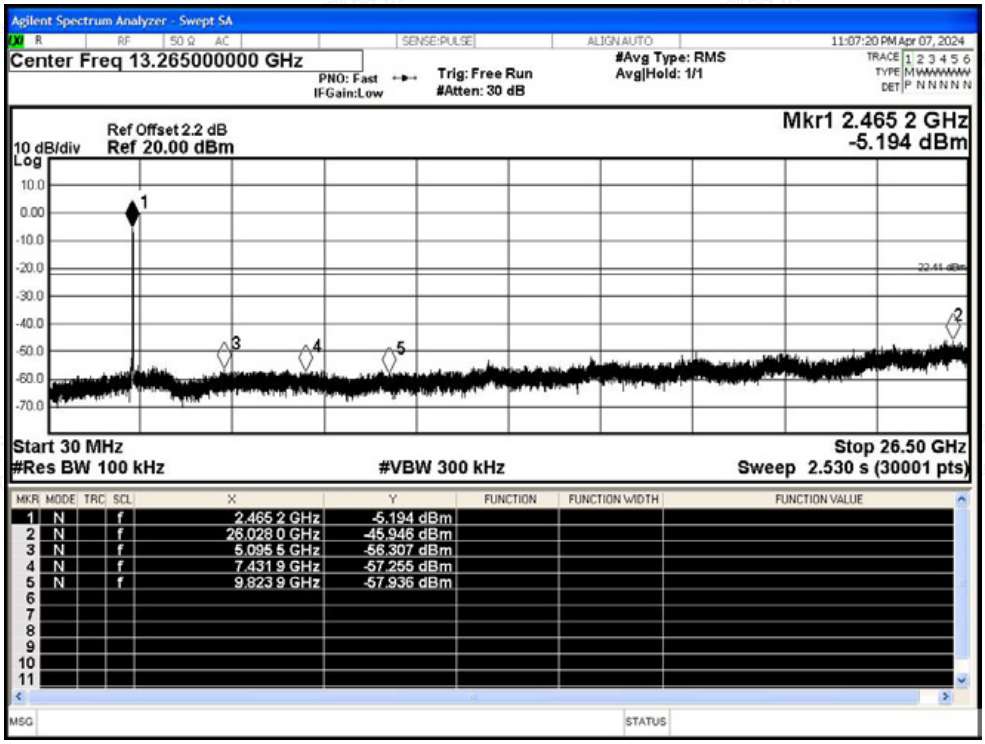

Tx. Spurious NVNT g 2437MHz Ant1 Emission



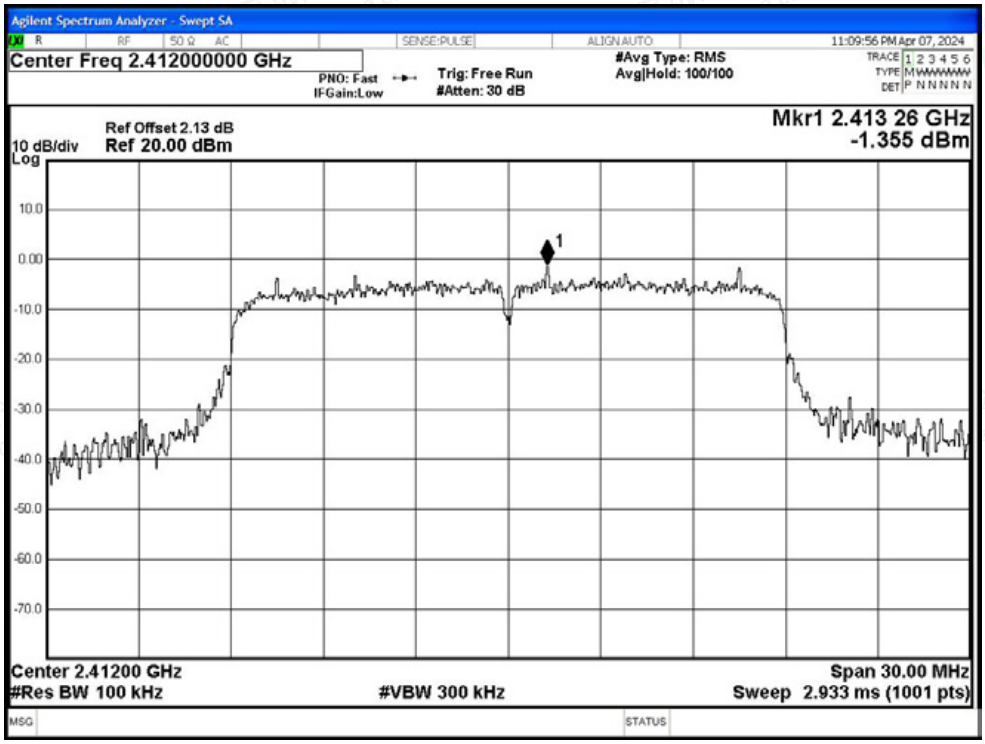
Tx. Spurious NVNT g 2462MHz Ant1 Ref



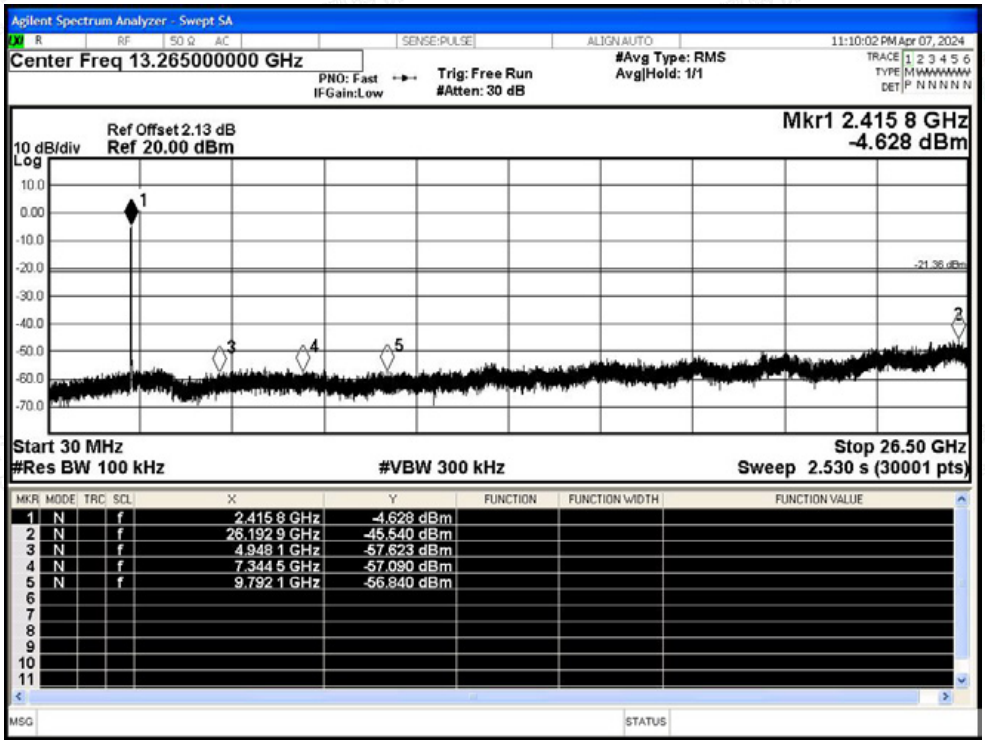

Tx. Spurious NVNT g 2462MHz Ant1 Emission



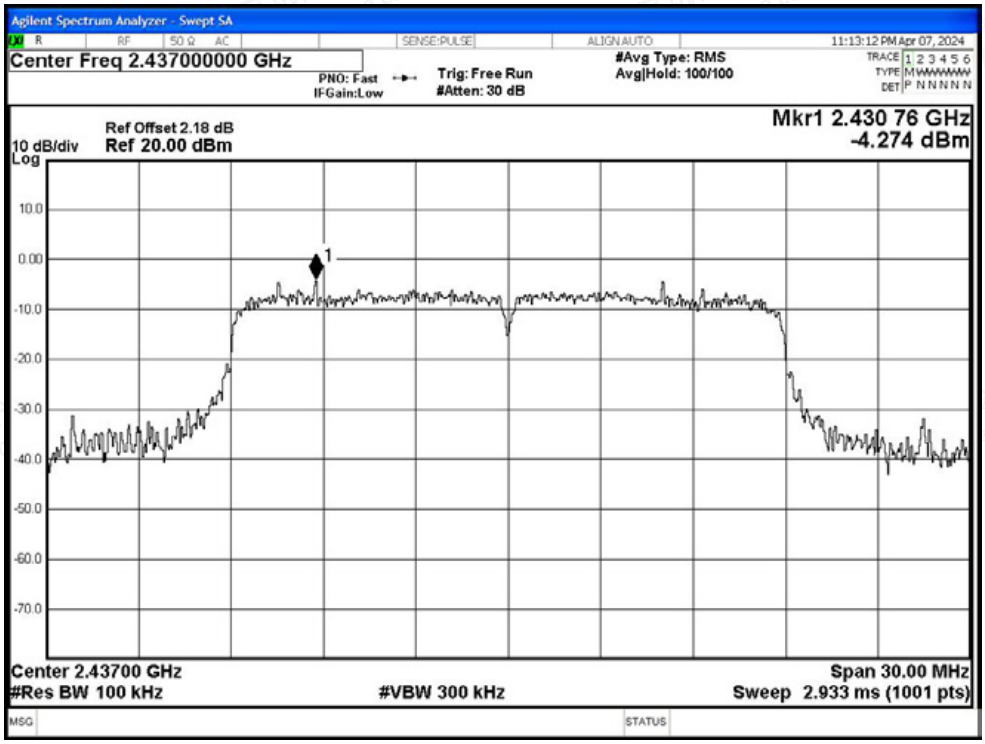
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



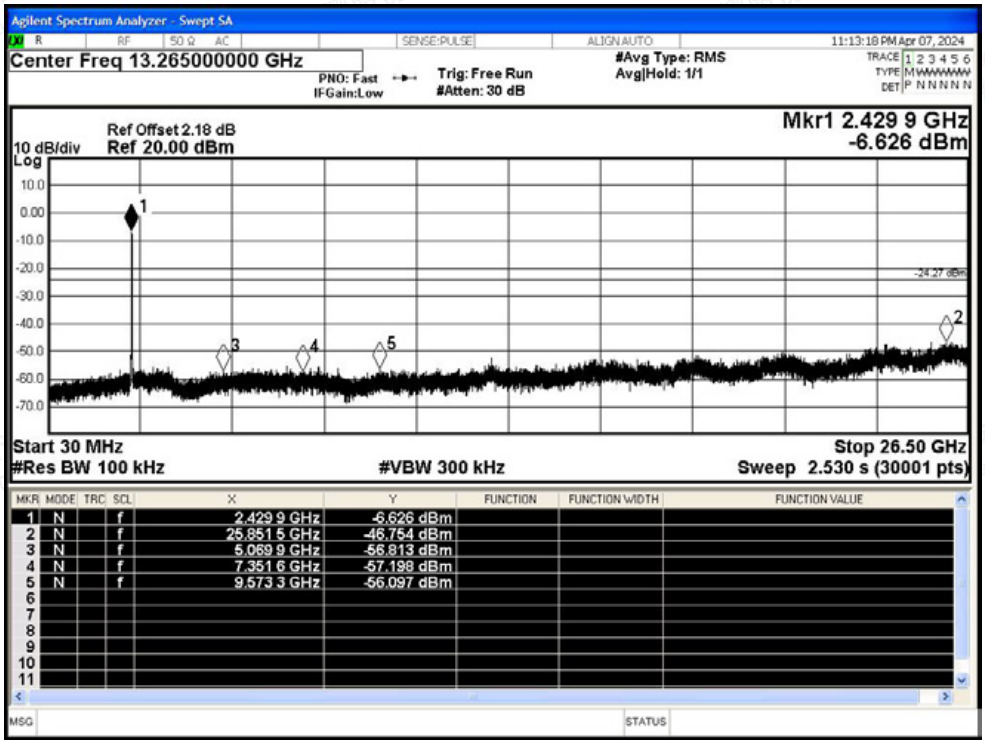

Tx. Spurious NVNT n20 2412MHz Ant1 Emission



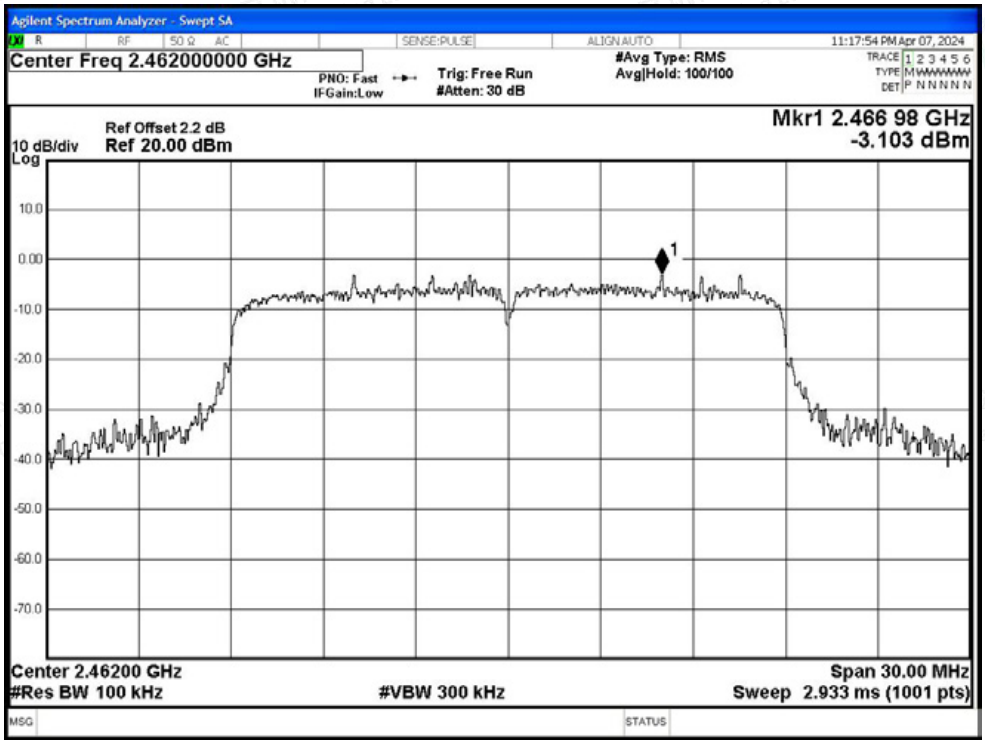
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



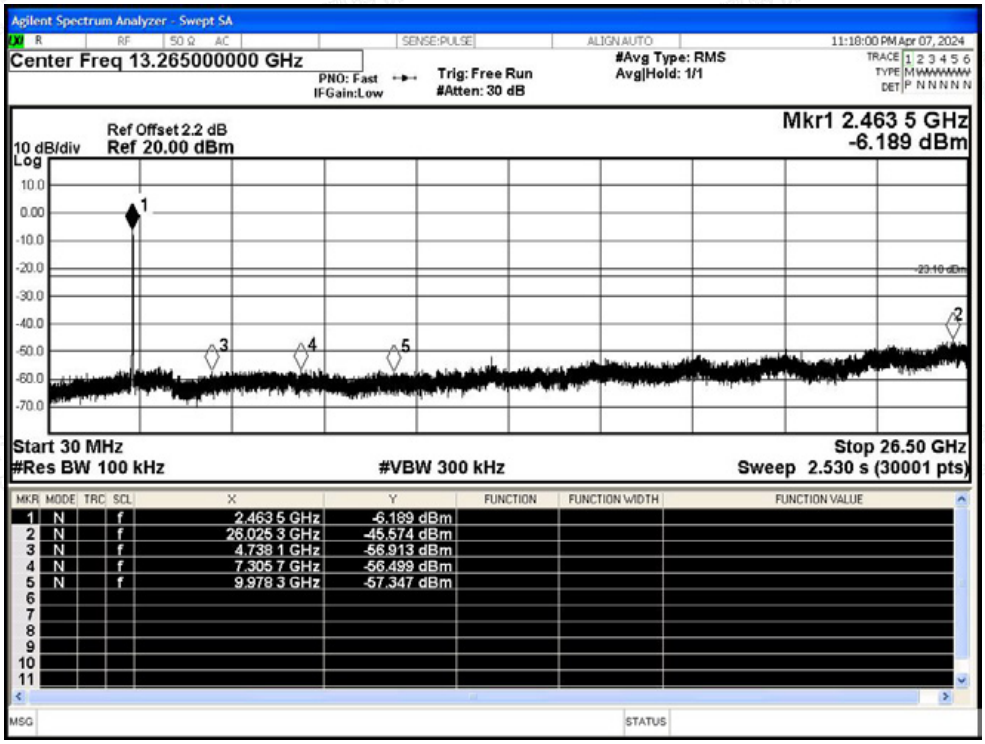

Tx. Spurious NVNT n20 2437MHz Ant1 Emission



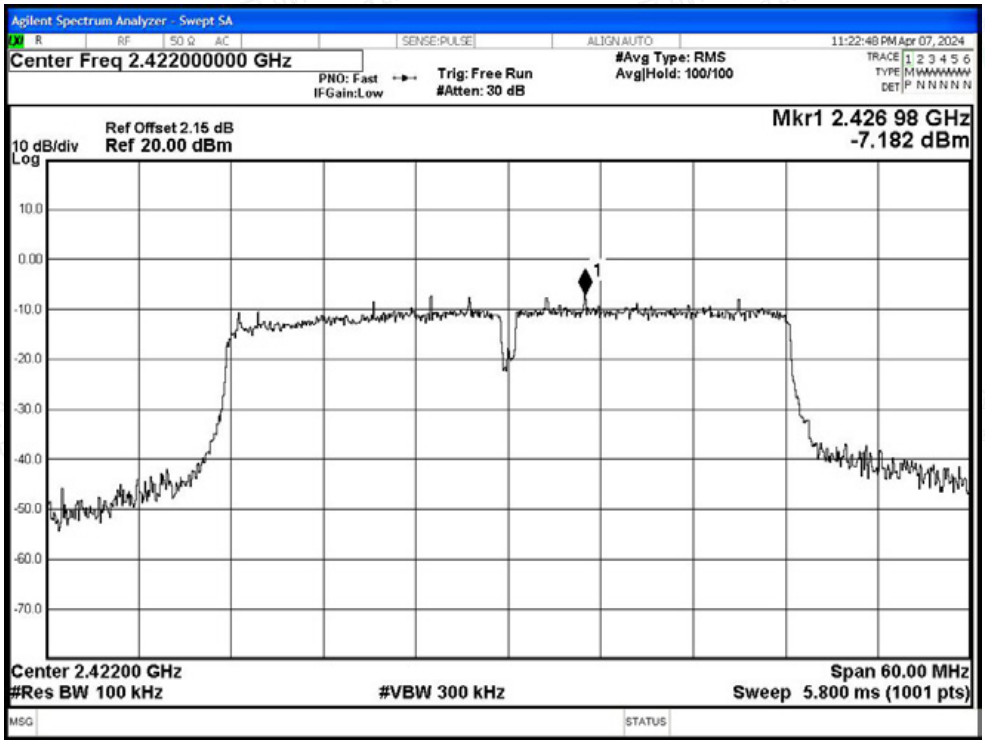
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



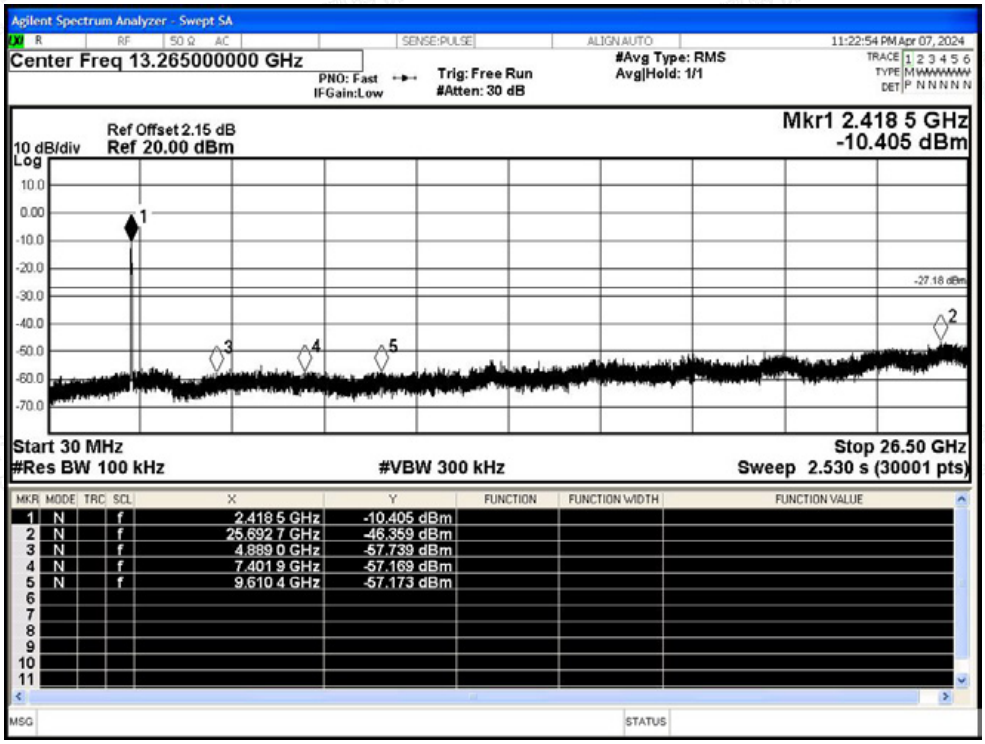

Tx. Spurious NVNT n20 2462MHz Ant1 Emission



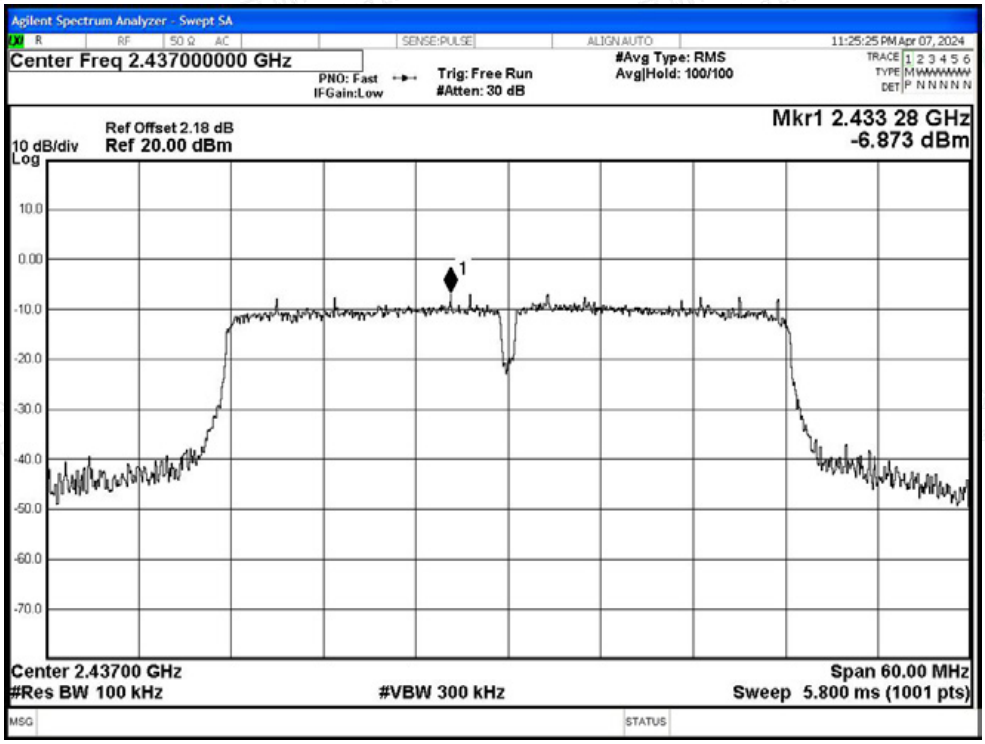
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



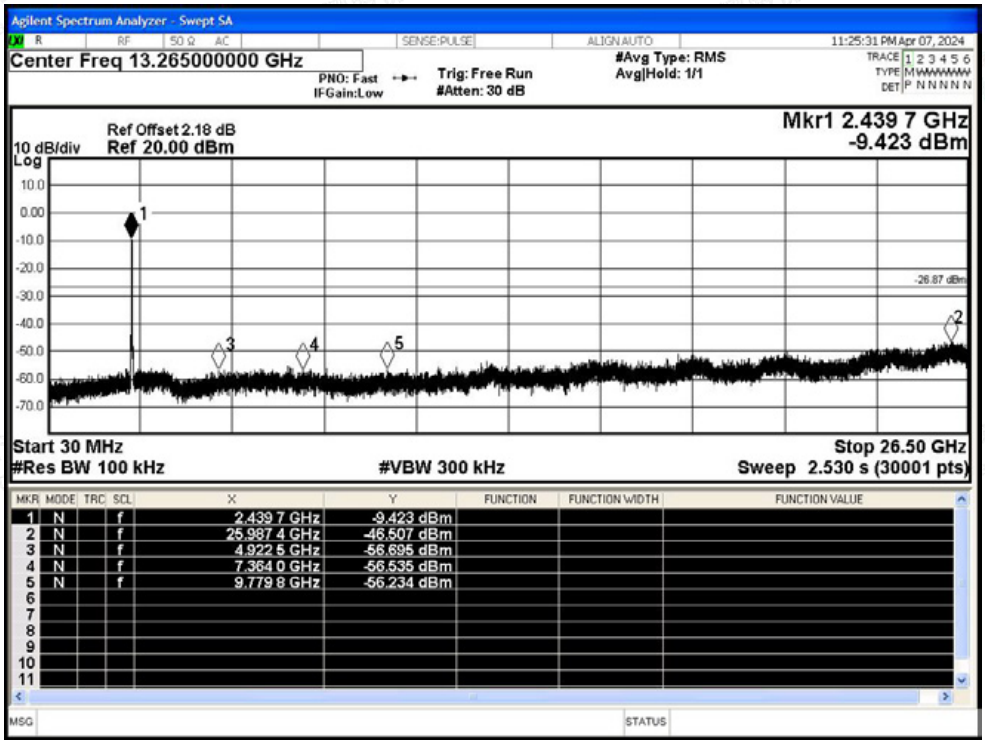

Tx. Spurious NVNT n40 2422MHz Ant1 Emission



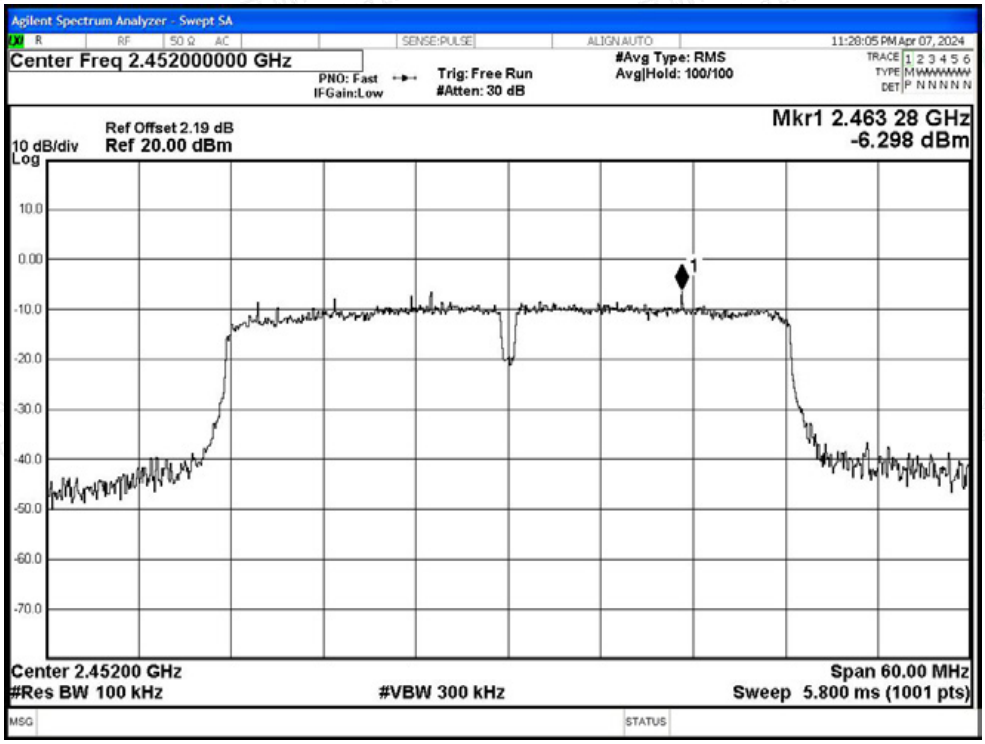
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



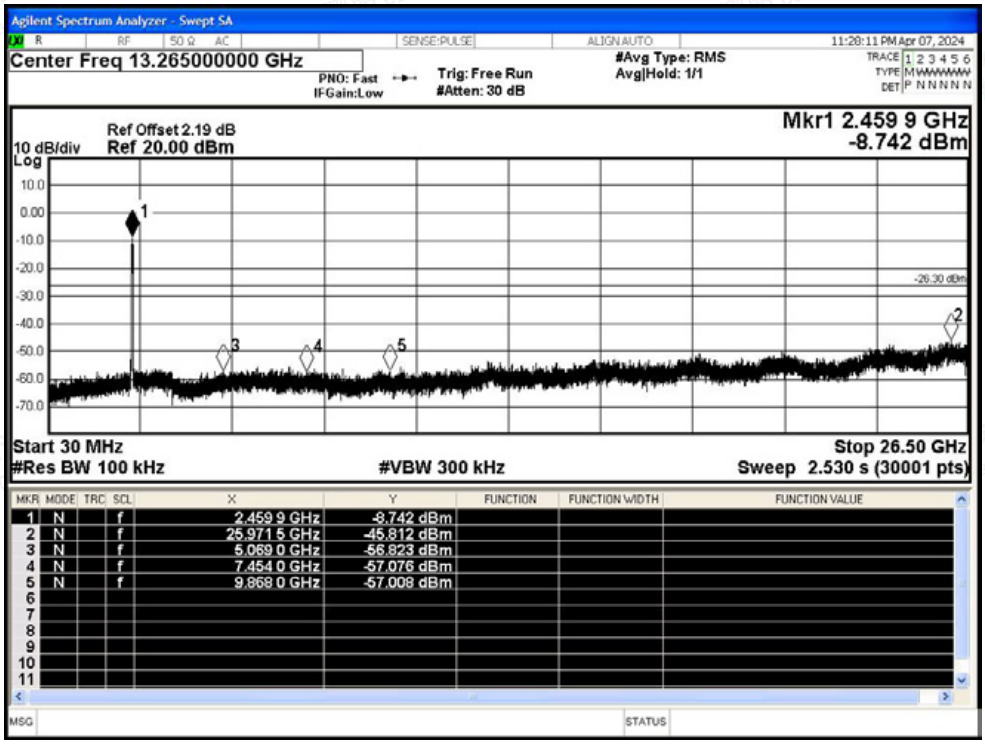

Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref




Tx. Spurious NVNT n40 2452MHz Ant1 Emission

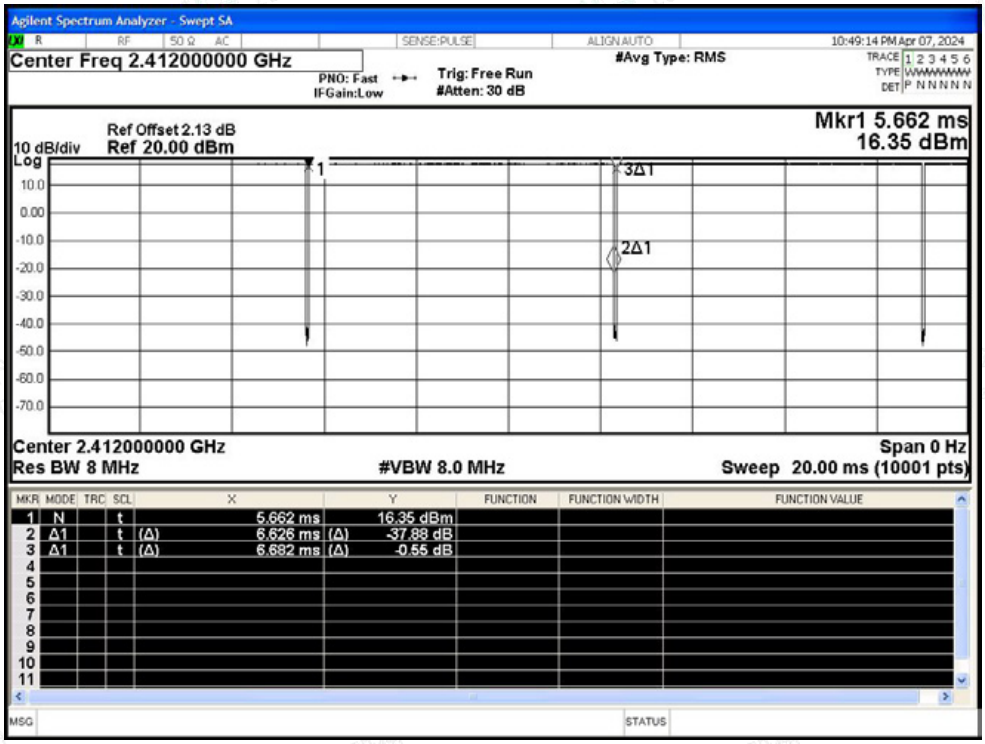


# C.6 Duty Cycle

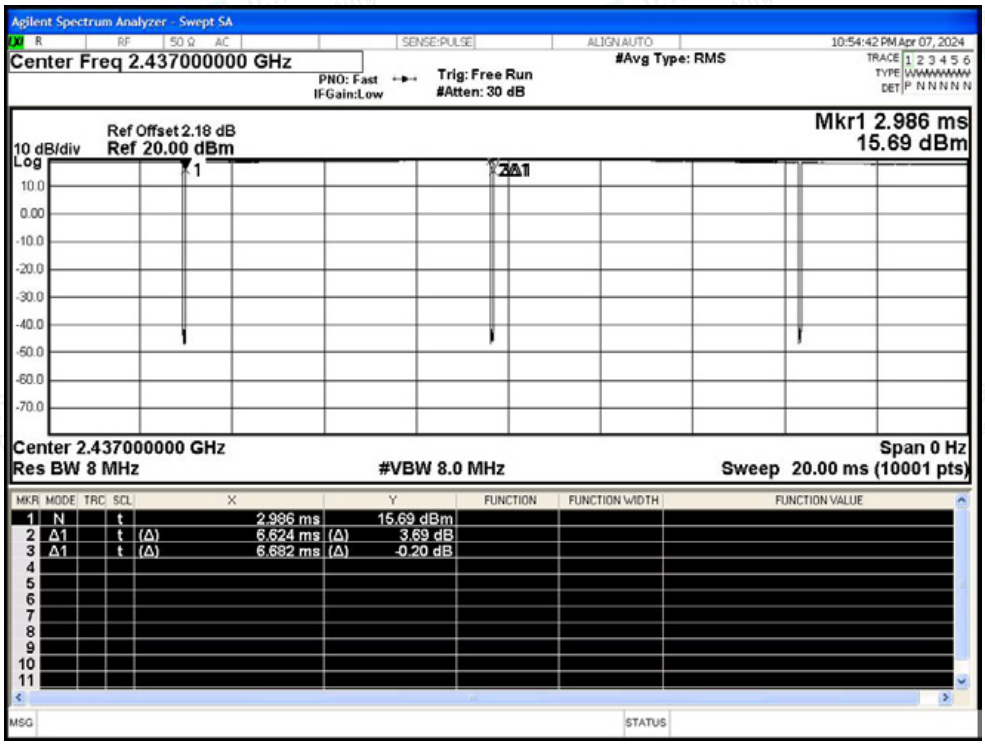
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 99.16 | 0 | 0.01 |
| NVNT | b | 2437 | Ant1 | 99.13 | 0 | 0.01 |
| NVNT | b | 2462 | Ant1 | 99.16 | 0 | 0.01 |
| NVNT | g | 2412 | Ant1 | 97.68 | 0.1 | 0.37 |
| NVNT | g | 2437 | Ant1 | 97.68 | 0.1 | 0.37 |
| NVNT | g | 2462 | Ant1 | 97.75 | 0.1 | 0.37 |
| NVNT | n20 | 2412 | Ant1 | 97.33 | 0.12 | 0.44 |
| NVNT | n20 | 2437 | Ant1 | 97.25 | 0.12 | 0.44 |
| NVNT | n20 | 2462 | Ant1 | 97.25 | 0.12 | 0.44 |
| NVNT | n40 | 2422 | Ant1 | 97.23 | 0.12 | 0.46 |
| NVNT | n40 | 2437 | Ant1 | 97.23 | 0.12 | 0.46 |
| NVNT | n40 | 2452 | Ant1 | 97.23 | 0.12 | 0.46 |

Test Graphs

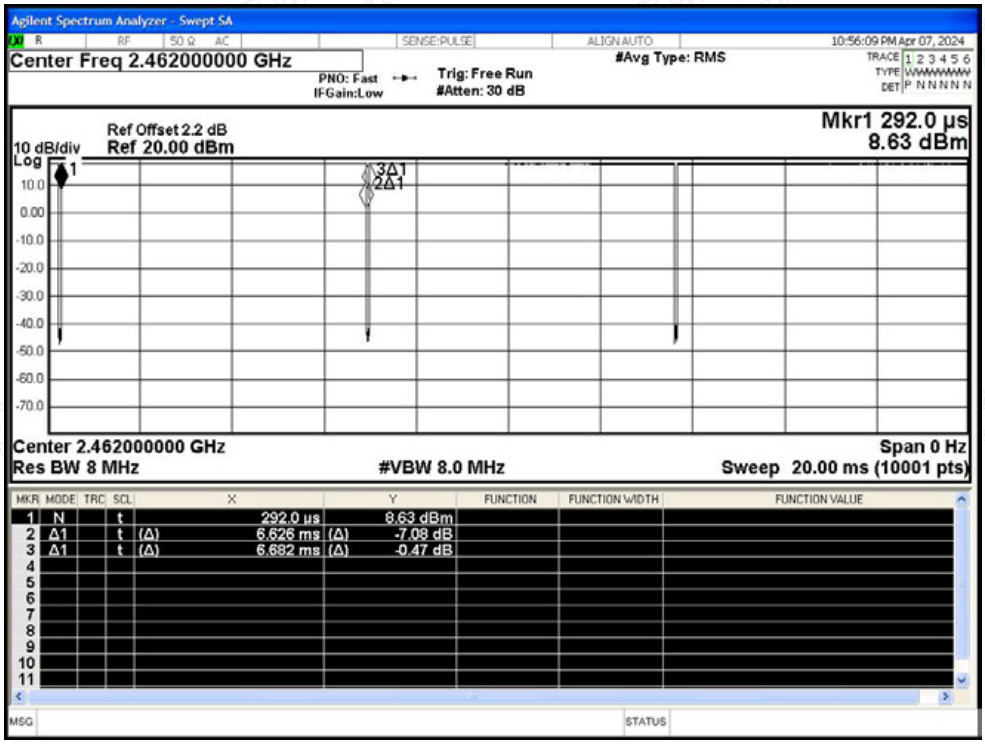
Duty Cycle NVNT b 2412MHz Ant1



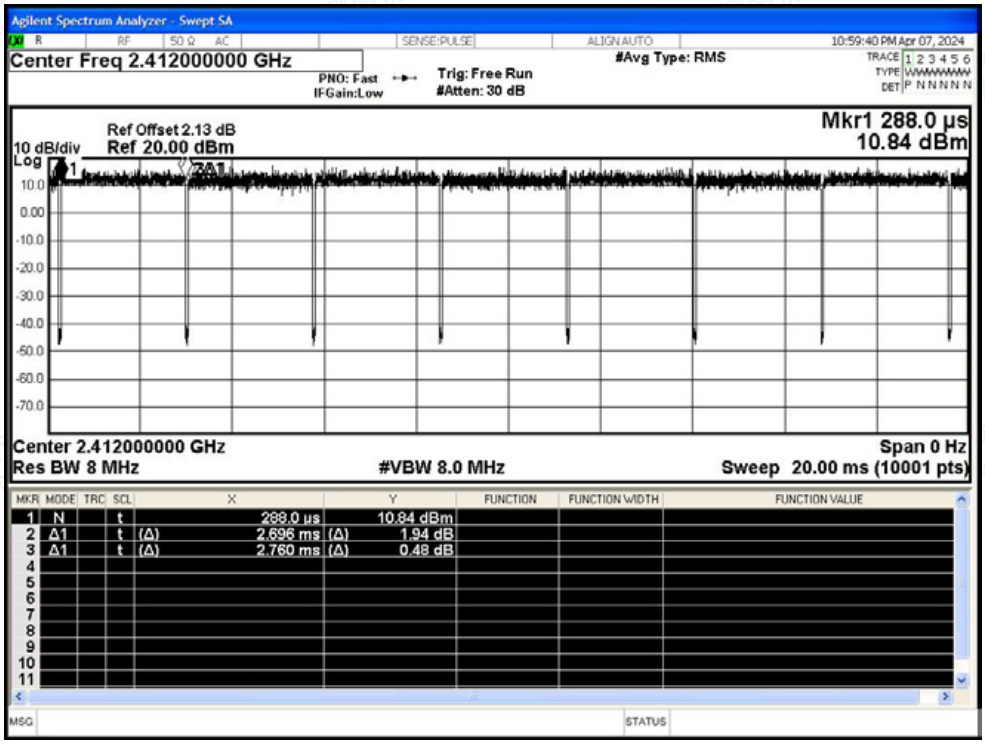

Duty Cycle NVNT b 2437MHz Ant1



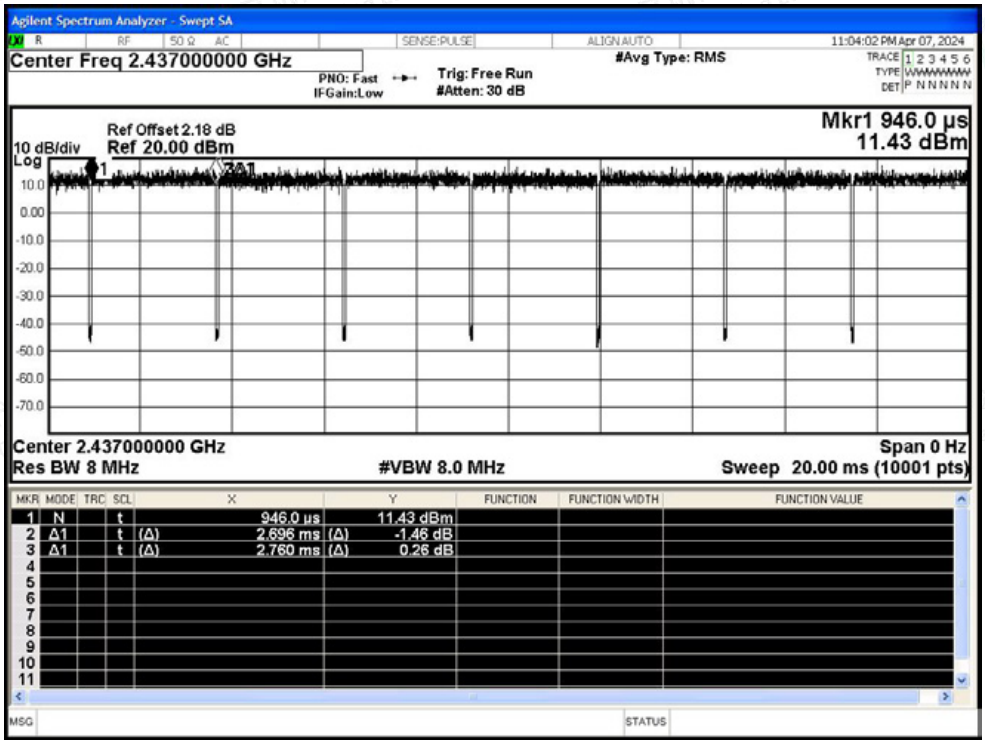
Duty Cycle NVNT b 2462MHz Ant1



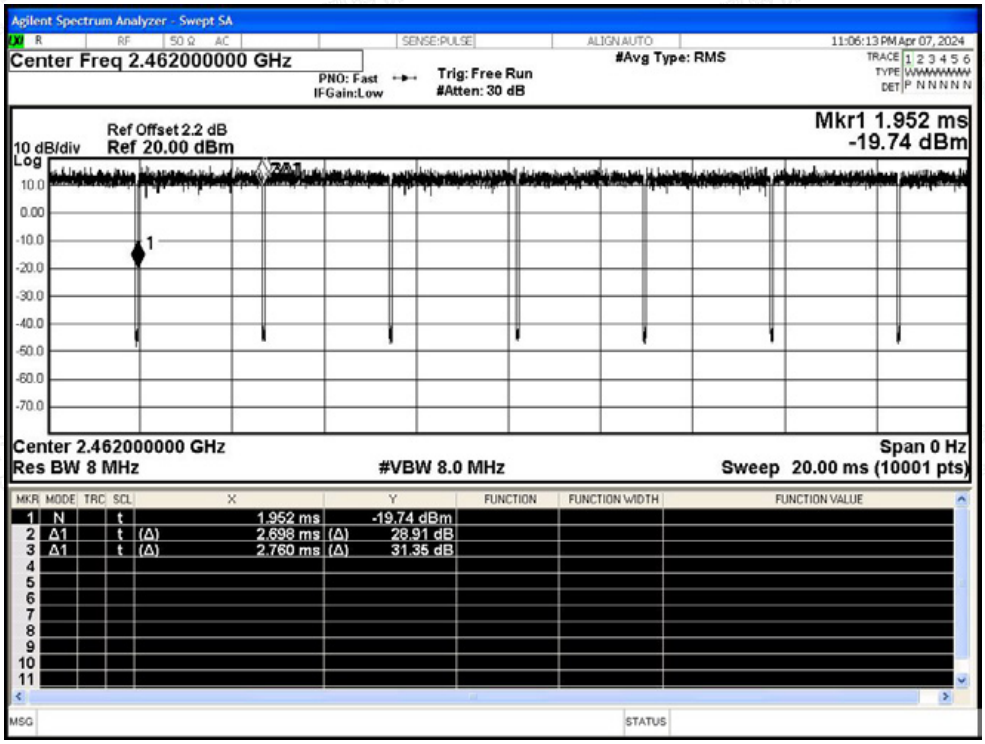

Duty Cycle NVNT g 2412MHz Ant1



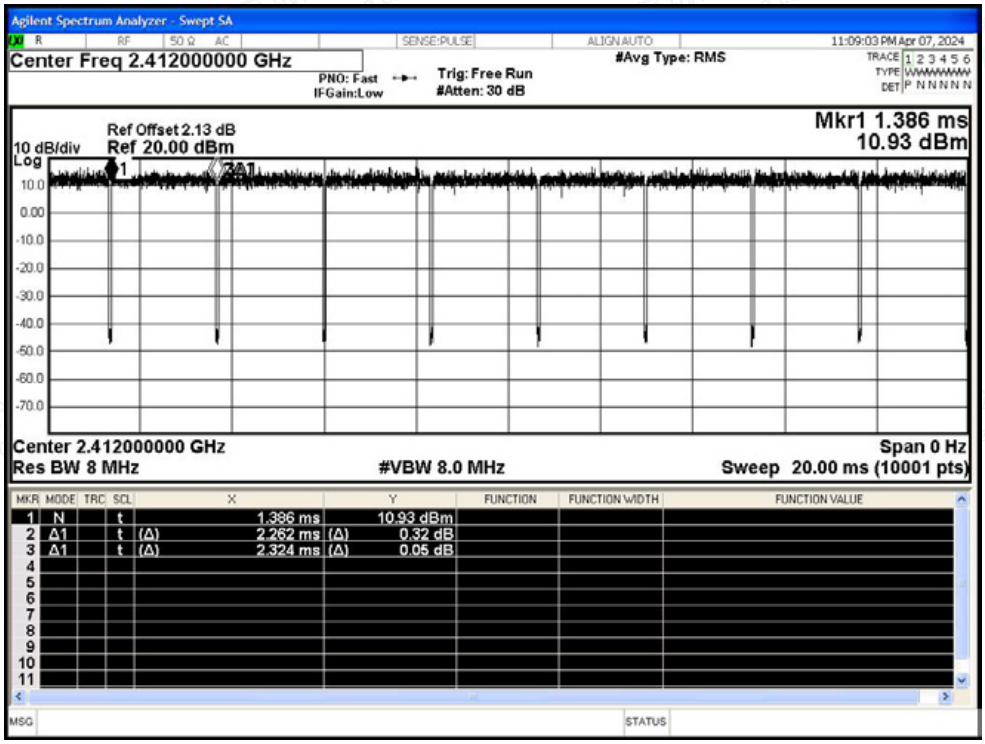
Duty Cycle NVNT g 2437MHz Ant1



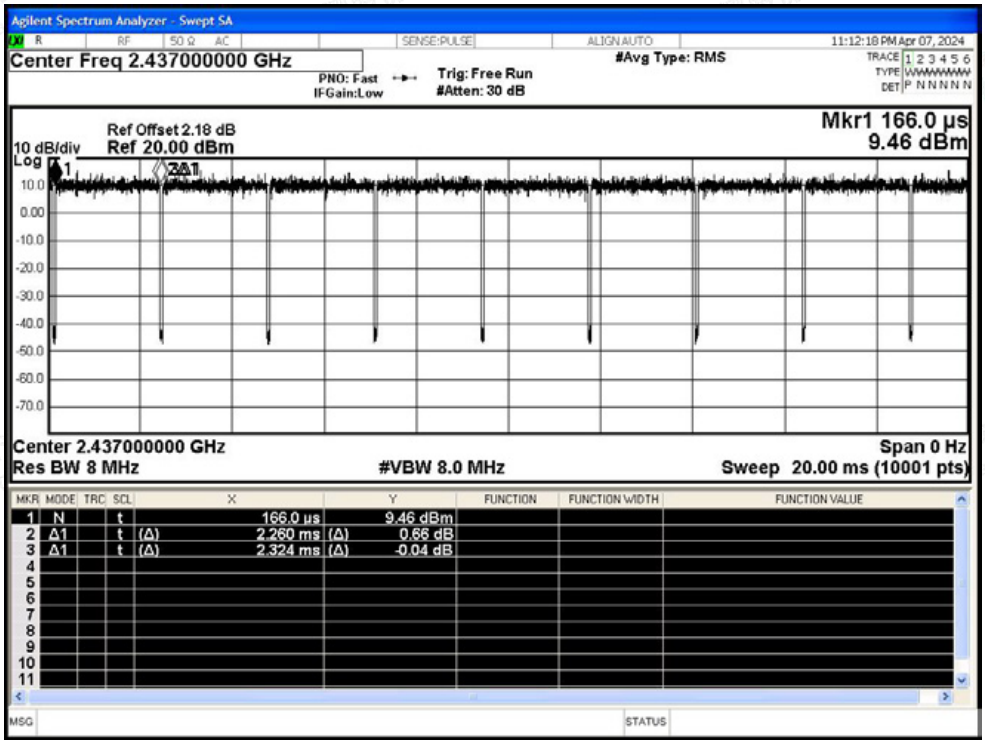

Duty Cycle NVNT g 2462MHz Ant1



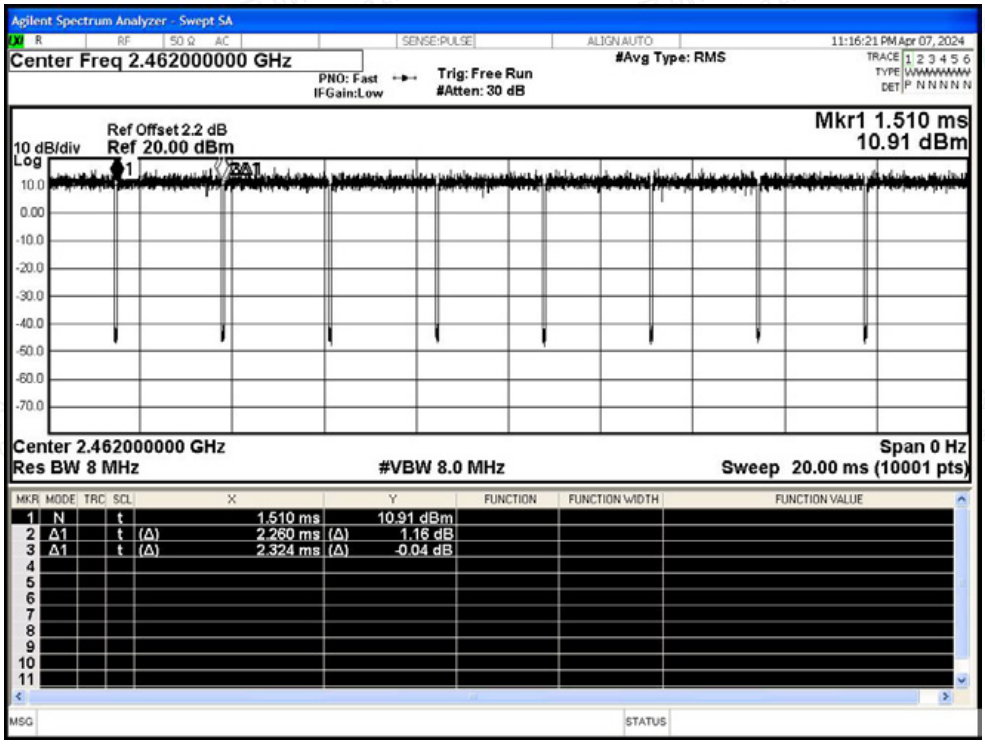
Duty Cycle NVNT n20 2412MHz Ant1



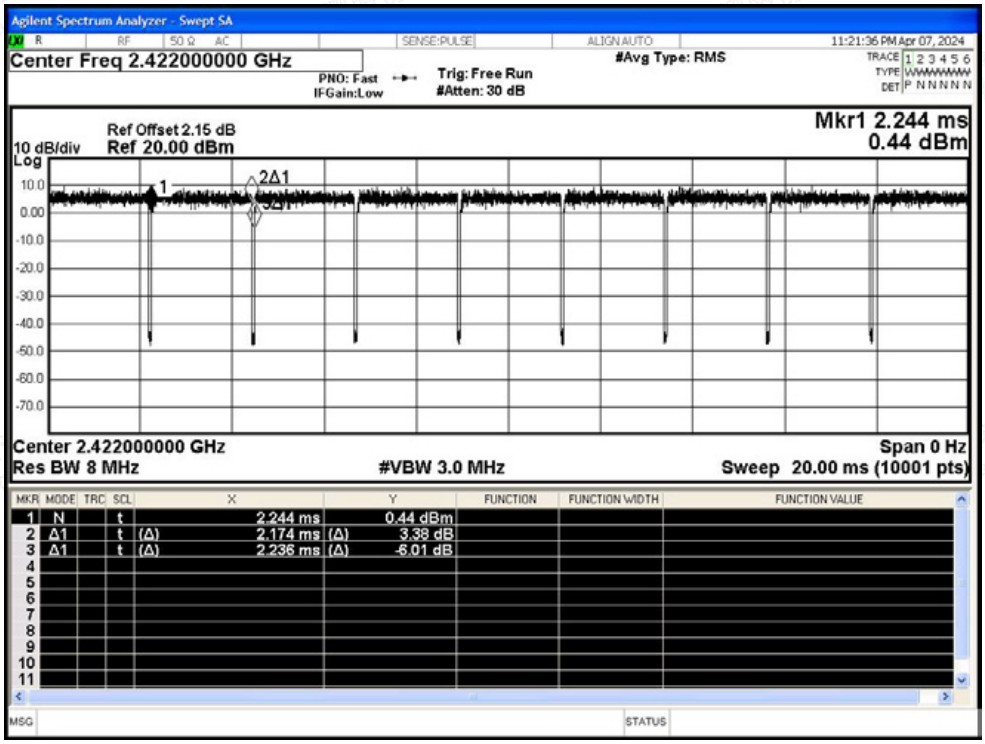

Duty Cycle NVNT n20 2437MHz Ant1



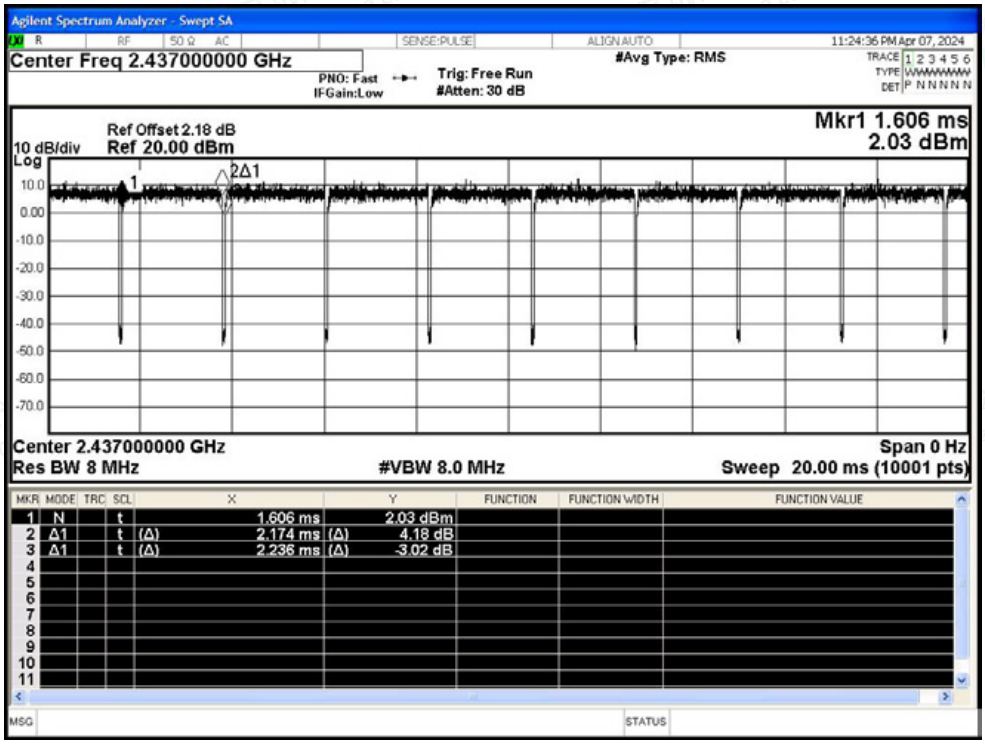
Duty Cycle NVNT n20 2462MHz Ant1



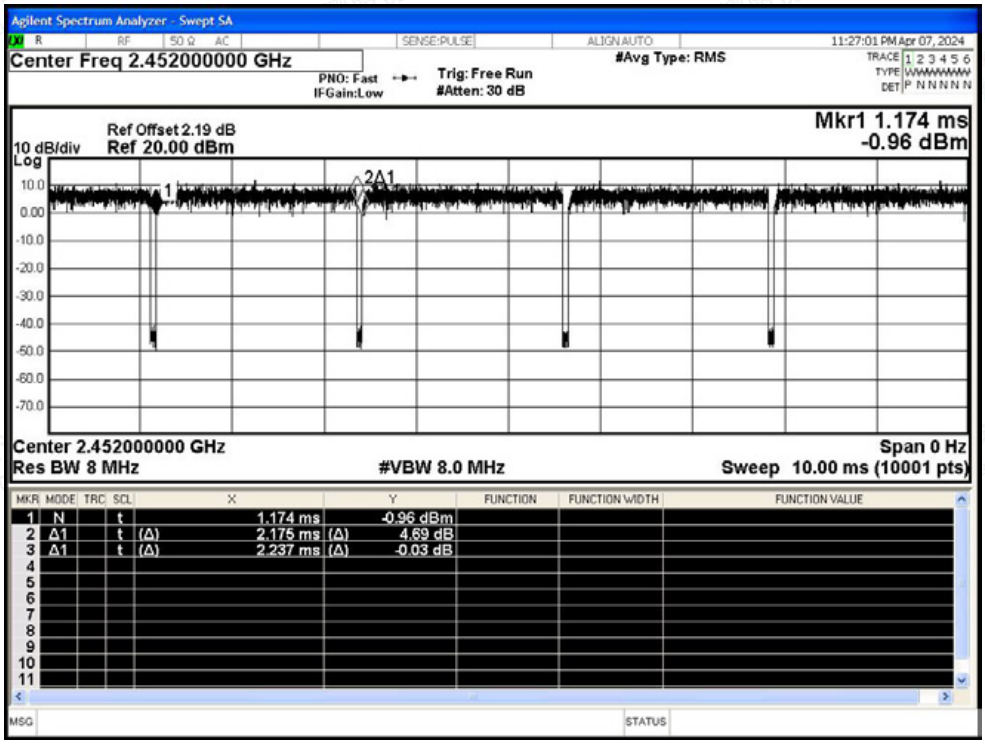

Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1




Duty Cycle NVNT n40 2452MHz Ant1



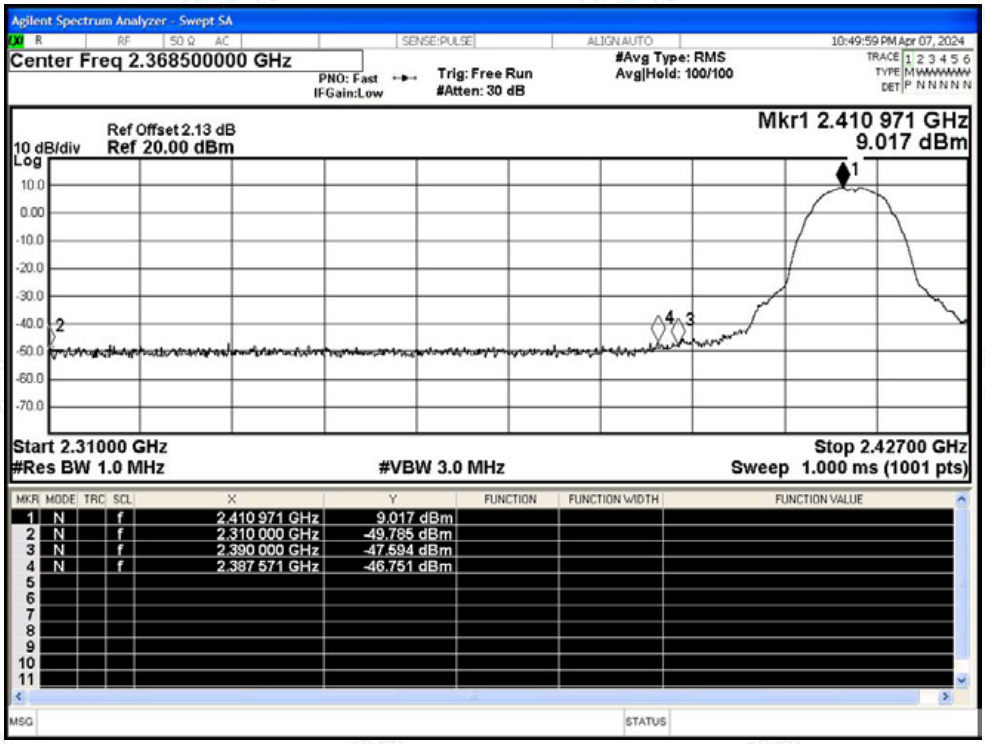
# C.7 Restrict Band

| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 2310 | -49.79 | 2 | - | 47.47 | Peak | 74 | Pass |
| NVNT | b | 2412 | Ant1 | 2310 | -58.39 | 2 | 0 | 38.87 | Average | 54 | Pass |
| NVNT | b | 2412 | Ant1 | 2387.571 | -46.75 | 2 | - | 50.51 | Peak | 74 | Pass |
| NVNT | b | 2412 | Ant1 | 2387.454 | -55.76 | 2 | 0 | 41.5 | Average | 54 | Pass |
| NVNT | b | 2412 | Ant1 | 2390 | -47.59 | 2 | - | 49.67 | Peak | 74 | Pass |
| NVNT | b | 2412 | Ant1 | 2390 | -56.61 | 2 | 0 | 40.65 | Average | 54 | Pass |
| NVNT | b | 2462 | Ant1 | 2483.5 | -47.19 | 2 | - | 50.07 | Peak | 74 | Pass |
| NVNT | b | 2462 | Ant1 | 2483.5 | -55.51 | 2 | 0 | 41.75 | Average | 54 | Pass |
| NVNT | b | 2462 | Ant1 | 2489.029 | -42 | 2 | - | 55.26 | Peak | 74 | Pass |
| NVNT | b | 2462 | Ant1 | 2484.524 | -54.63 | 2 | 0 | 42.63 | Average | 54 | Pass |
| NVNT | b | 2462 | Ant1 | 2500 | -49.62 | 2 | - | 47.64 | Peak | 74 | Pass |
| NVNT | b | 2462 | Ant1 | 2500 | -58.25 | 2 | 0 | 39.01 | Average | 54 | Pass |
| NVNT | g | 2412 | Ant1 | 2310 | -50.95 | 2 | - | 46.31 | Peak | 74 | Pass |
| NVNT | g | 2412 | Ant1 | 2310 | -58.51 | 2 | 0.1 | 38.85 | Average | 54 | Pass |
| NVNT | g | 2412 | Ant1 | 2389.911 | -33.68 | 2 | - | 63.58 | Peak | 74 | Pass |
| NVNT | g | 2412 | Ant1 | 2389.326 | -53.56 | 2 | 0.1 | 43.8 | Average | 54 | Pass |
| NVNT | g | 2412 | Ant1 | 2390 | -33.55 | 2 | - | 63.71 | Peak | 74 | Pass |
| NVNT | g | 2412 | Ant1 | 2390 | -54.84 | 2 | 0.1 | 42.52 | Average | 54 | Pass |
| NVNT | g | 2462 | Ant1 | 2483.5 | -32.13 | 2 | - | 65.13 | Peak | 74 | Pass |
| NVNT | g | 2462 | Ant1 | 2483.5 | -51.39 | 2 | 0.1 | 45.97 | Average | 54 | Pass |
| NVNT | g | 2462 | Ant1 | 2484.789 | -31.3 | 2 | - | 65.96 | Peak | 74 | Pass |
| NVNT | g | 2462 | Ant1 | 2483.57 | -48.11 | 2 | 0.1 | 49.25 | Average | 54 | Pass |
| NVNT | g | 2462 | Ant1 | 2500 | -50.92 | 2 | - | 46.34 | Peak | 74 | Pass |
| NVNT | g | 2462 | Ant1 | 2500 | -57.8 | 2 | 0.1 | 39.56 | Average | 54 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2310 | -51.44 | 2 | - | 45.82 | Peak | 74 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2310 | -58.88 | 2 | 0.12 | 38.5 | Average | 54 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2388.624 | -36.23 | 2 | - | 61.03 | Peak | 74 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2389.443 | -50.33 | 2 | 0.12 | 47.05 | Average | 54 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2390 | -36.73 | 2 | - | 60.53 | Peak | 74 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2390 | -51.86 | 2 | 0.12 | 45.52 | Average | 54 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2483.5 | -35.29 | 2 | - | 61.97 | Peak | 74 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2483.5 | -47.68 | 2 | 0.12 | 49.7 | Average | 54 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2483.623 | -29.06 | 2 | - | 68.2 | Peak | 74 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2483.517 | -47.68 | 2 | 0.12 | 49.7 | Average | 54 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2500 | -50.46 | 2 | - | 46.8 | Peak | 74 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2500 | -57.88 | 2 | 0.12 | 39.5 | Average | 54 | Pass |

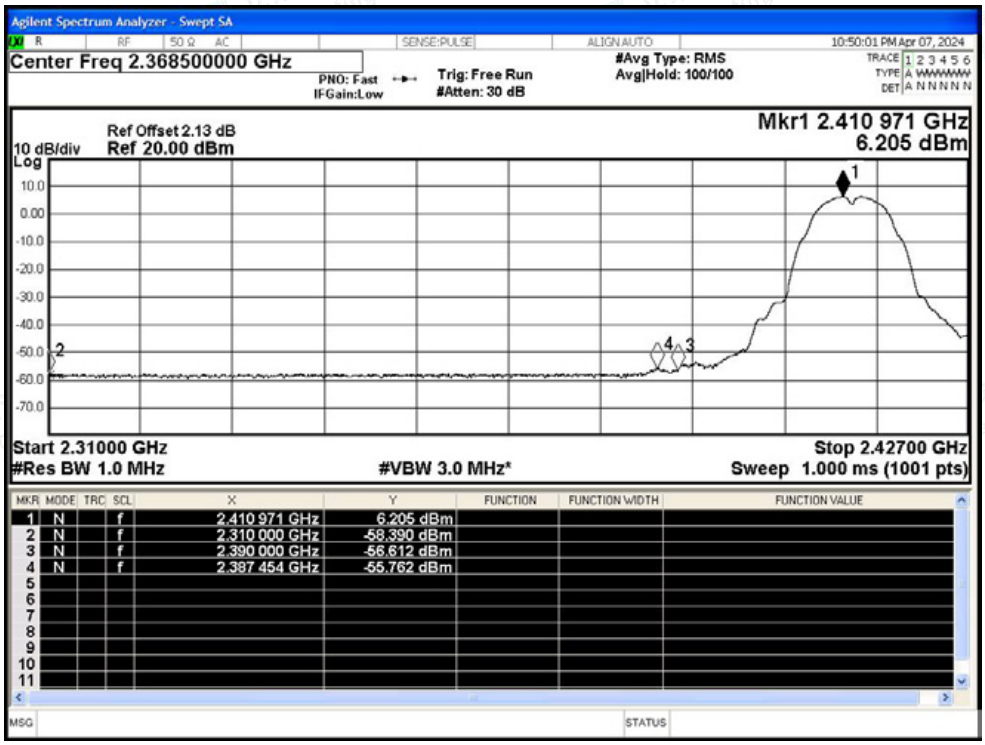
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | n40 | 2422 | Ant1 | 2310 | -50.51 | 2 | - | 46.75 | Peak | 74 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2310 | -58.65 | 2 | 0.12 | 38.73 | Average | 54 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2387.816 | -40.15 | 2 | - | 57.11 | Peak | 74 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2389.094 | -53.16 | 2 | 0.12 | 44.22 | Average | 54 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2390 | -40.29 | 2 | - | 56.97 | Peak | 74 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2390 | -54.19 | 2 | 0.12 | 43.19 | Average | 54 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2483.5 | -35.34 | 2 | - | 61.92 | Peak | 74 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2483.5 | -50.16 | 2 | 0.12 | 47.22 | Average | 54 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2485.18 | -32.36 | 2 | - | 64.9 | Peak | 74 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2483.854 | -49.79 | 2 | 0.12 | 47.59 | Average | 54 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2500 | -49.87 | 2 | - | 47.39 | Peak | 74 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2500 | -57.94 | 2 | 0.12 | 39.44 | Average | 54 | Pass |

Test Graphs

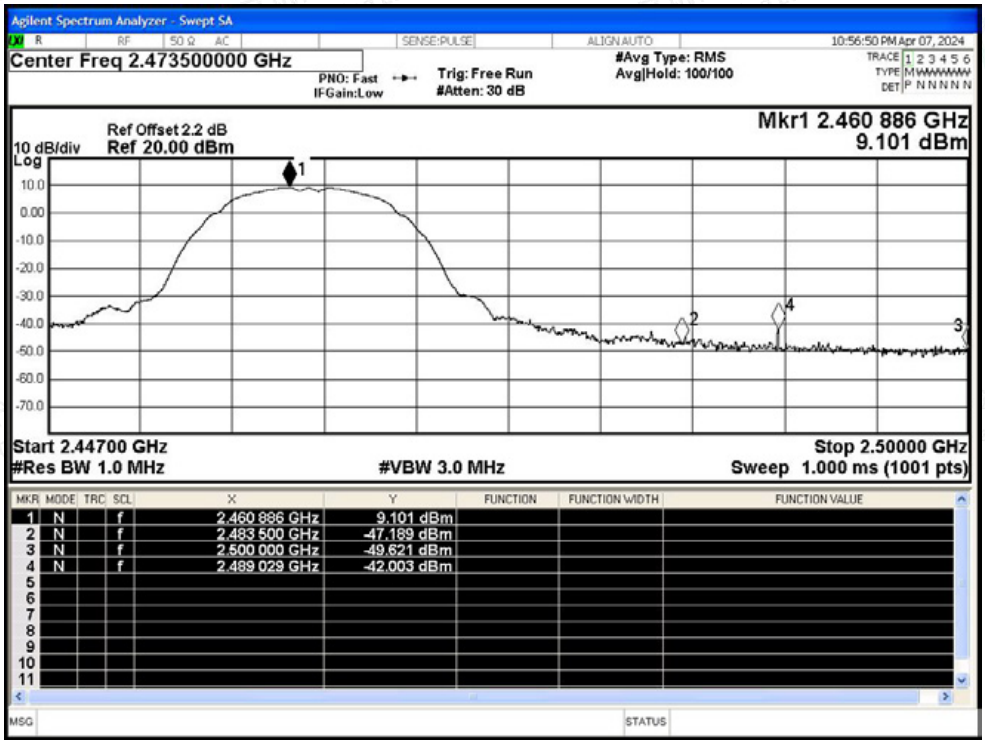
Restrict Band NVNT b 2412MHz Ant1 Peak



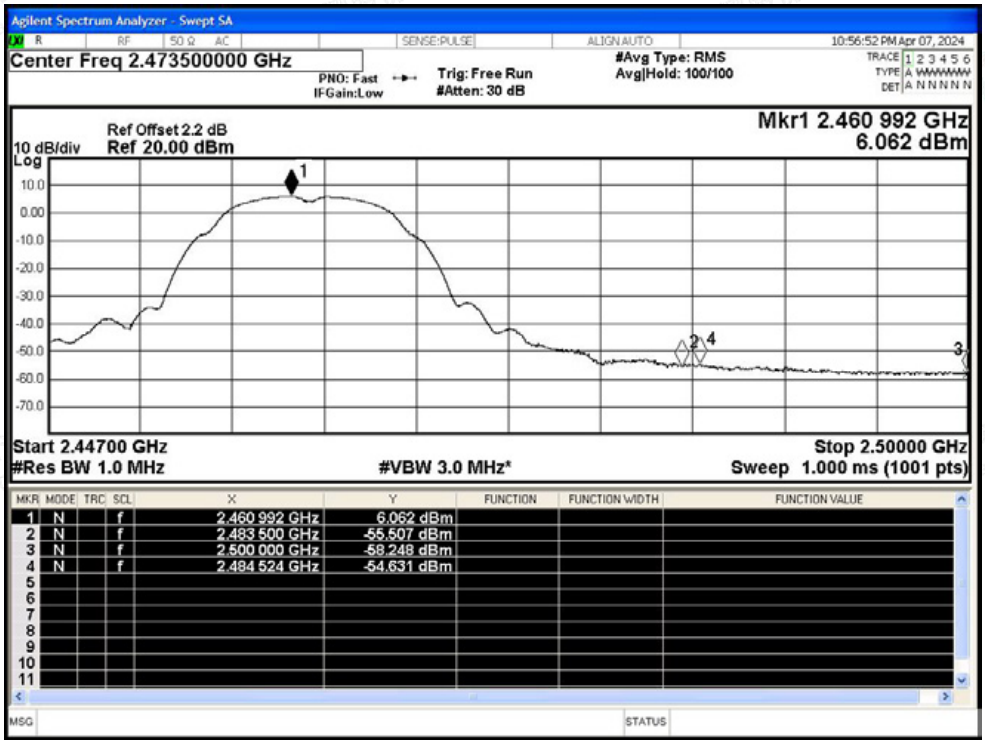

Restrict Band NVNT b 2412MHz Ant1 Average



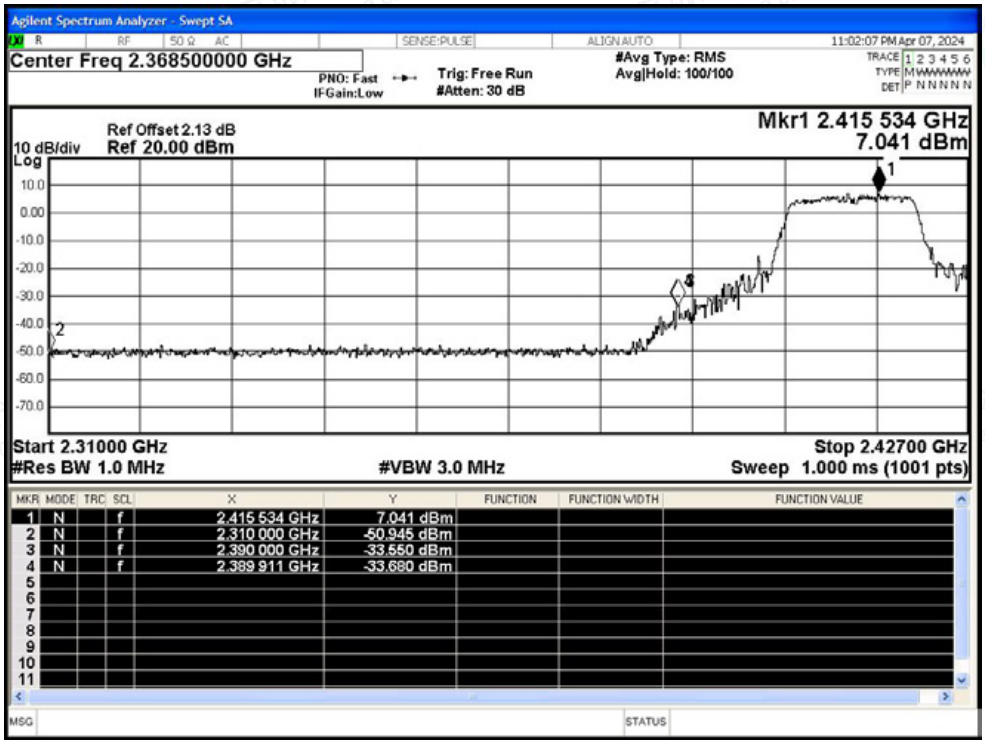
Restrict Band NVNT b 2462MHz Ant1 Peak



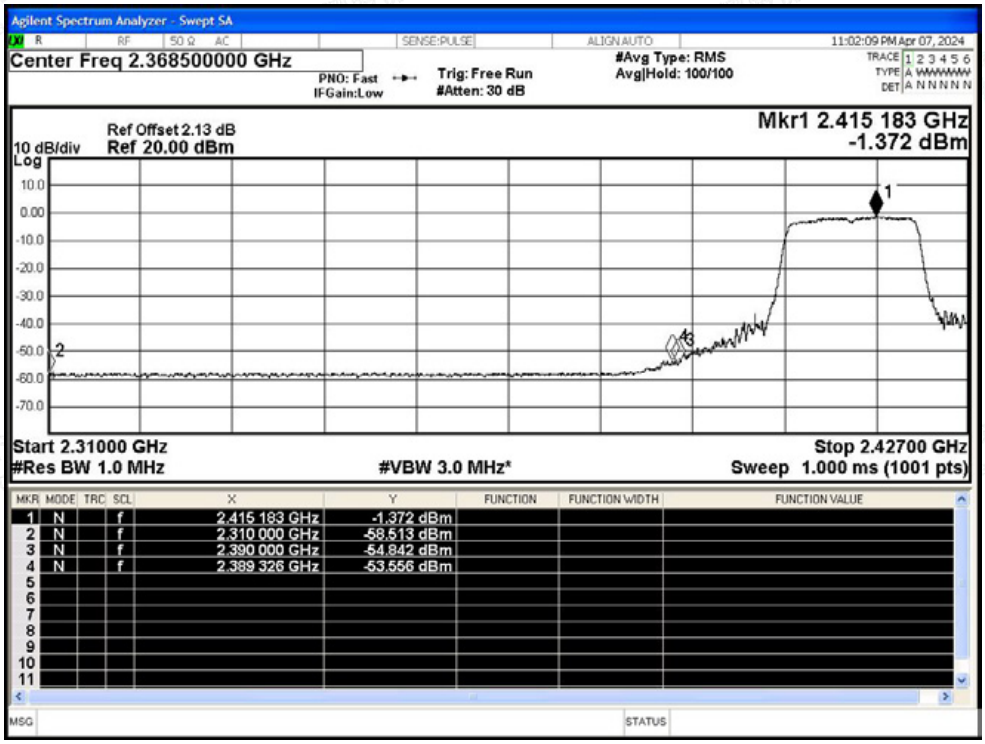

Restrict Band NVNT b 2462MHz Ant1 Average



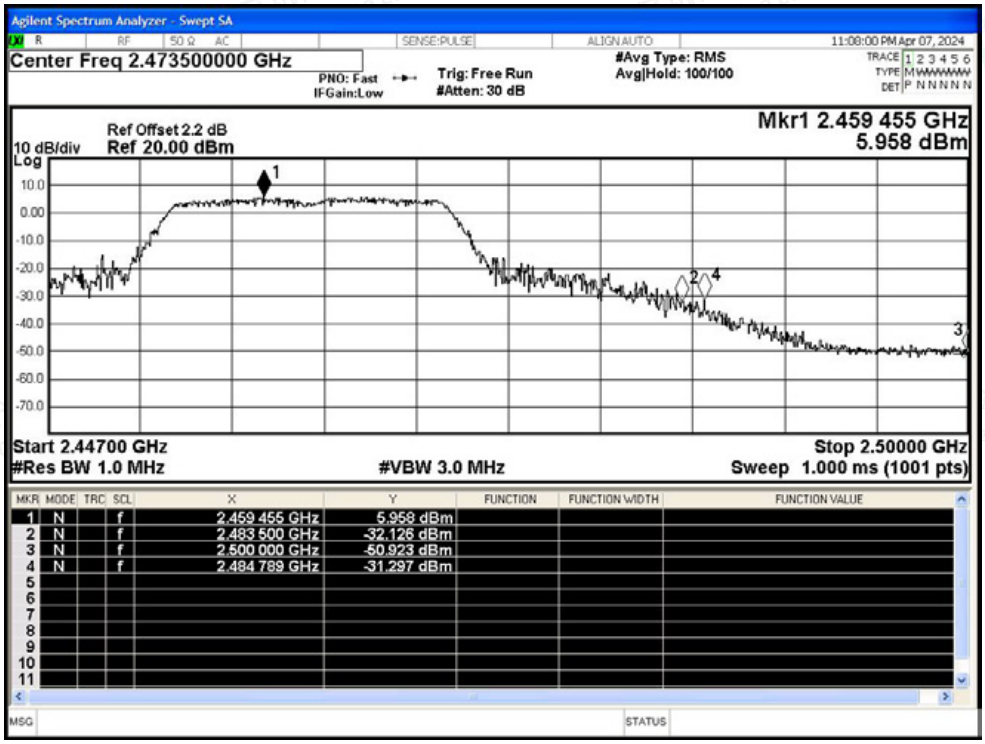
Restrict Band NVNT g 2412MHz Ant1 Peak



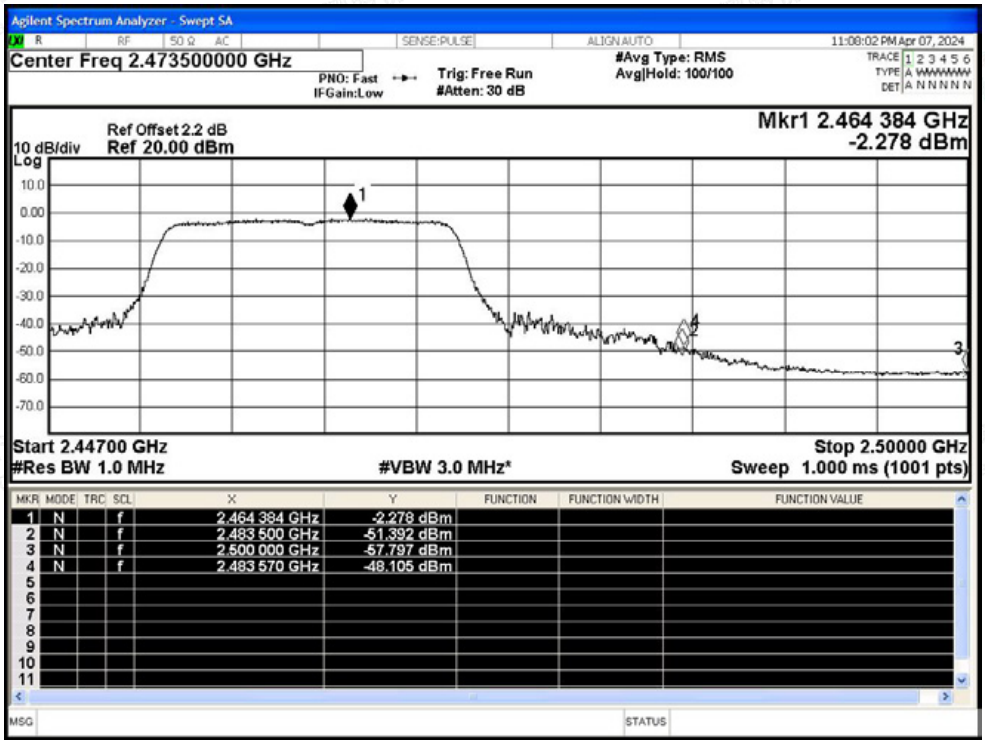

Restrict Band NVNT g 2412MHz Ant1 Average



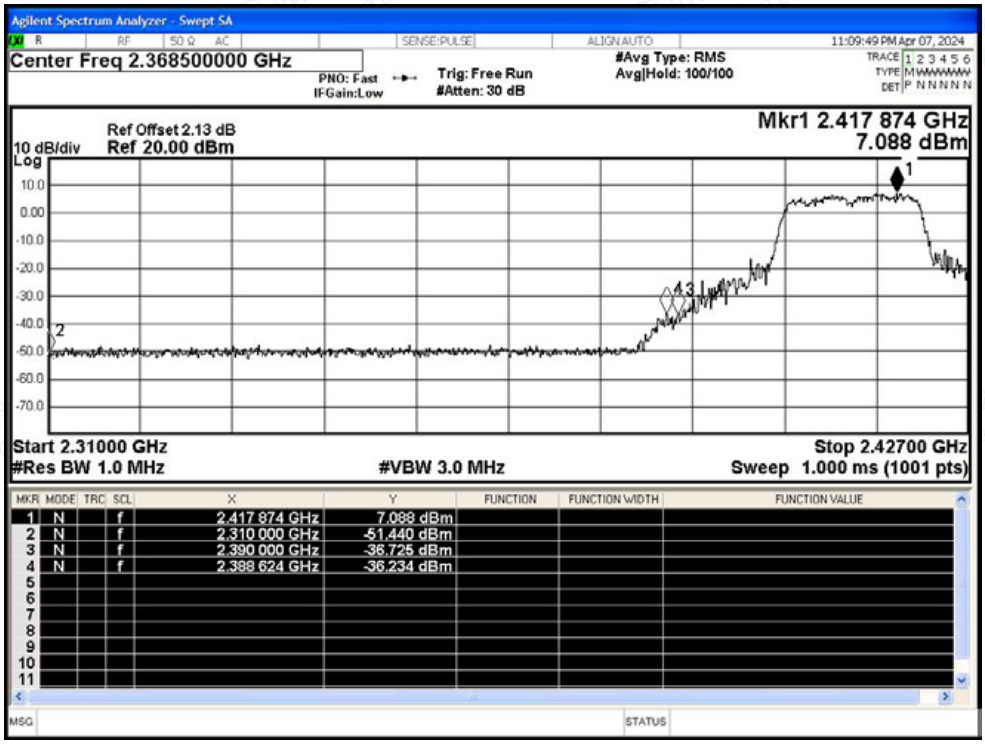
Restrict Band NVNT g 2462MHz Ant1 Peak



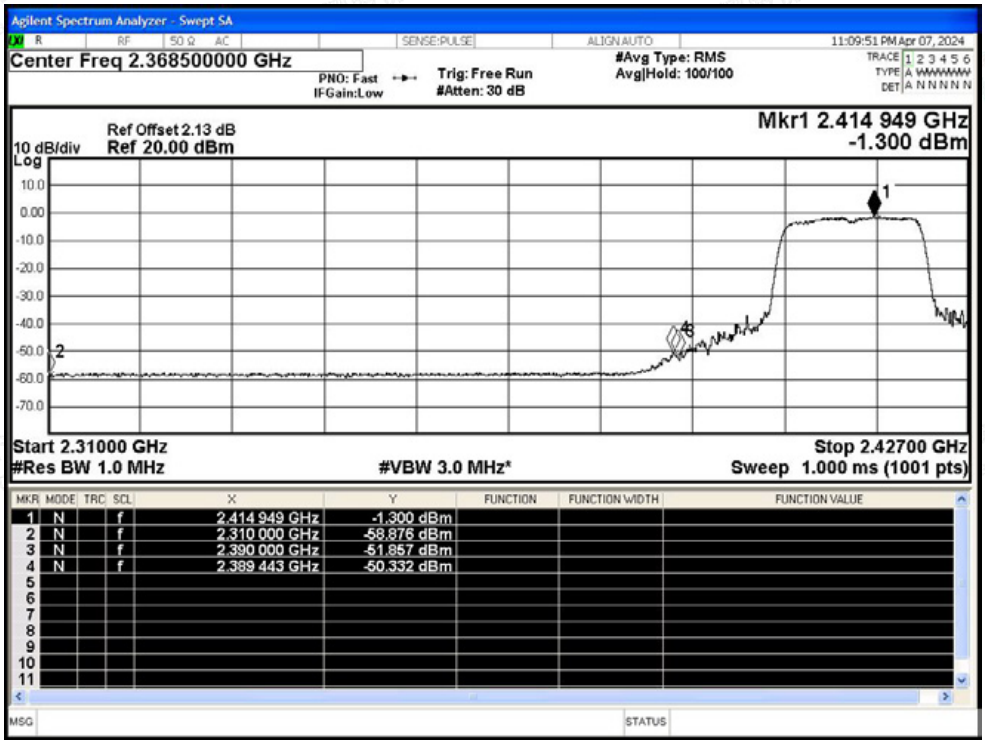

Restrict Band NVNT g 2462MHz Ant1 Average



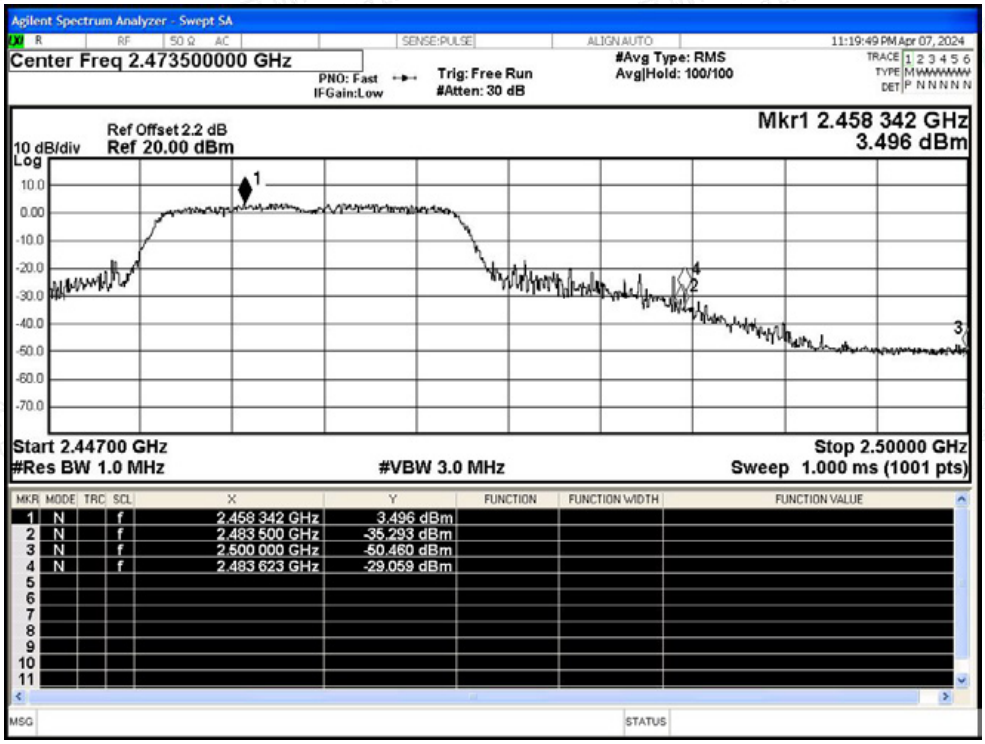
Restrict Band NVNT n20 2412MHz Ant1 Peak



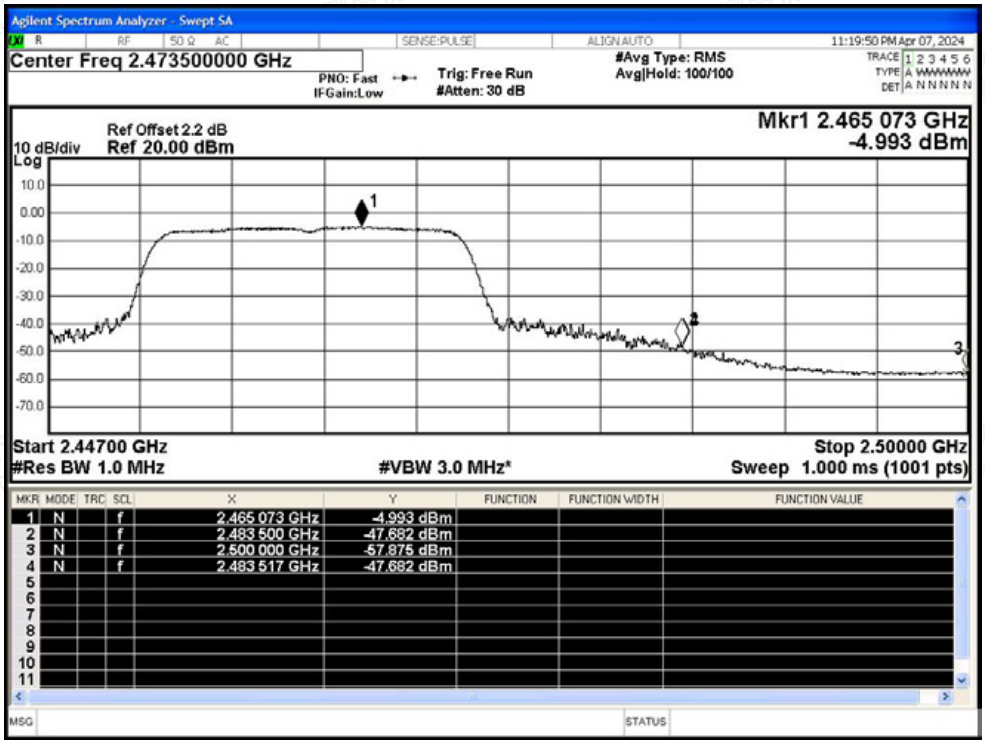

Restrict Band NVNT n20 2412MHz Ant1 Average



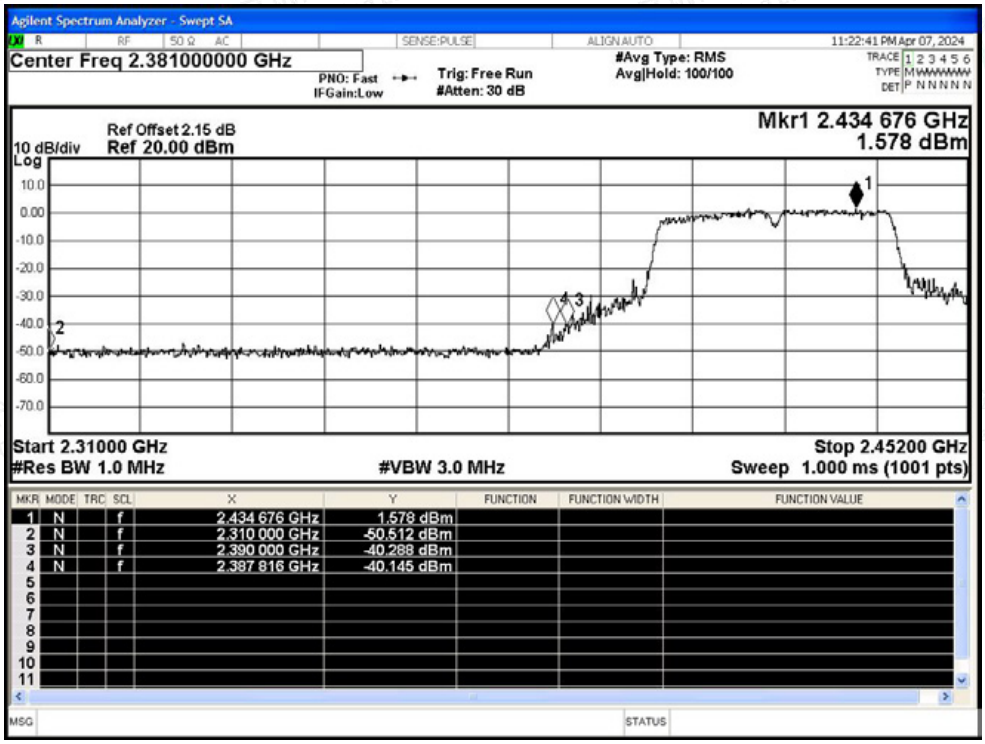
Restrict Band NVNT n20 2462MHz Ant1 Peak



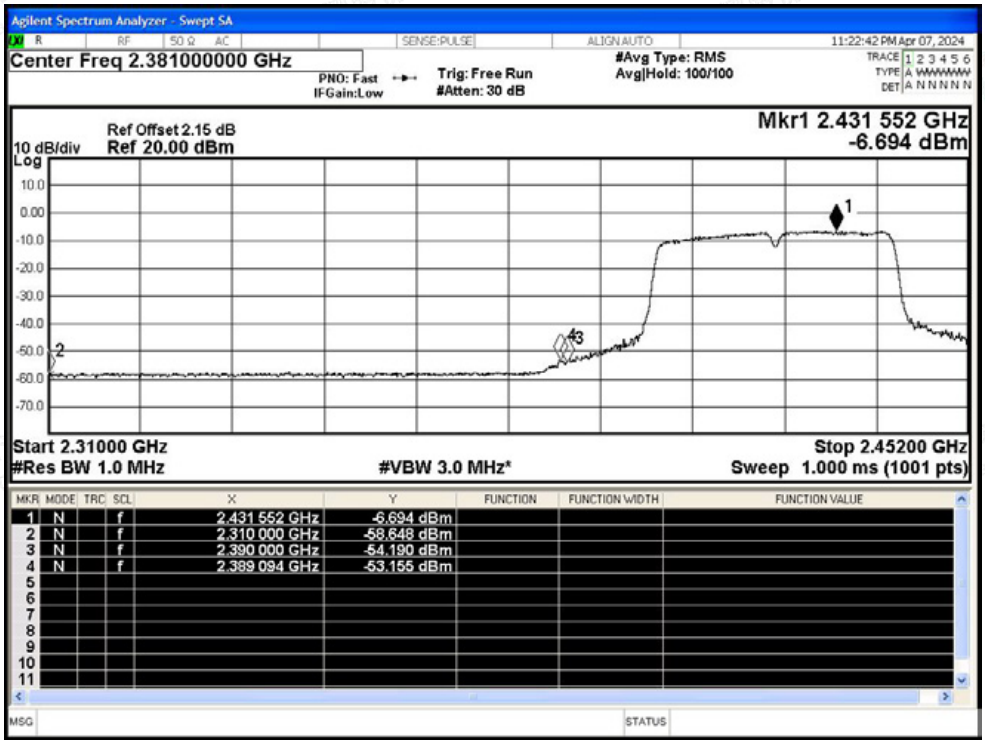

Restrict Band NVNT n20 2462MHz Ant1 Average



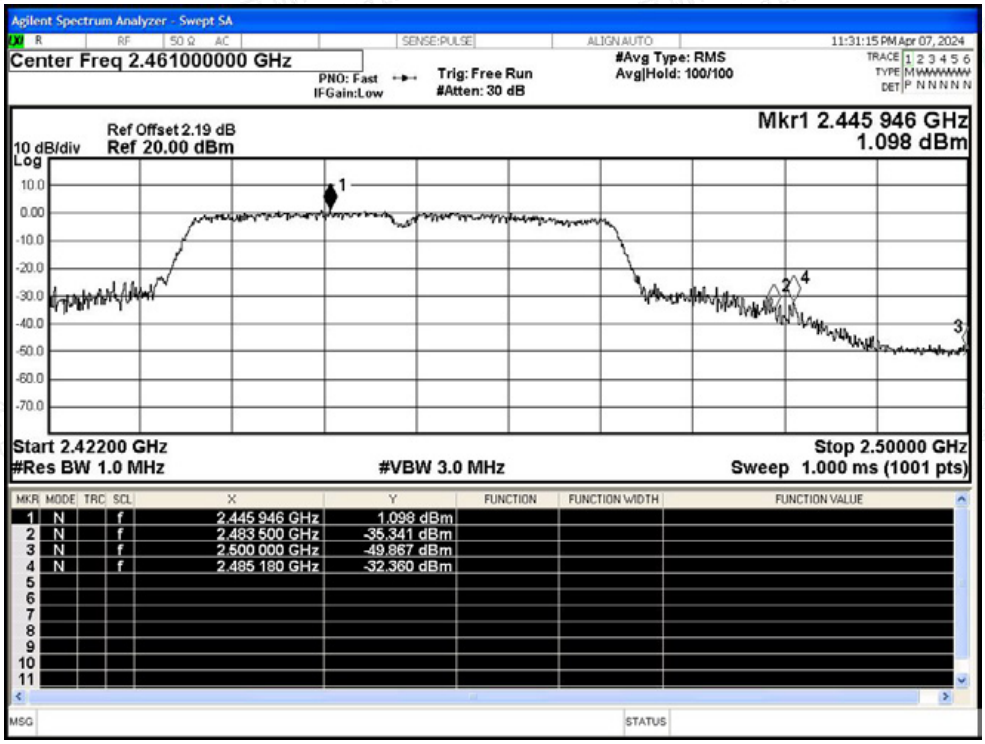
Restrict Band NVNT n40 2422MHz Ant1 Peak

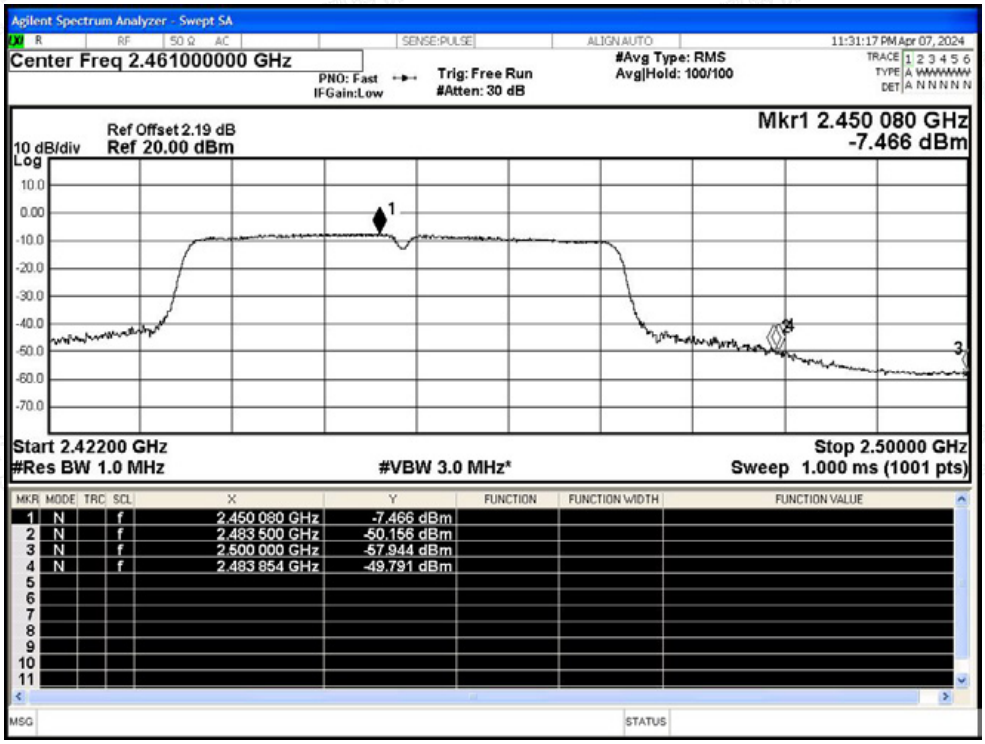



Restrict Band NVNT n40 2422MHz Ant1 Average



Restrict Band NVNT n40 2452MHz Ant1 Peak




Restrict Band NVNT n40 2452MHz Ant1 Average