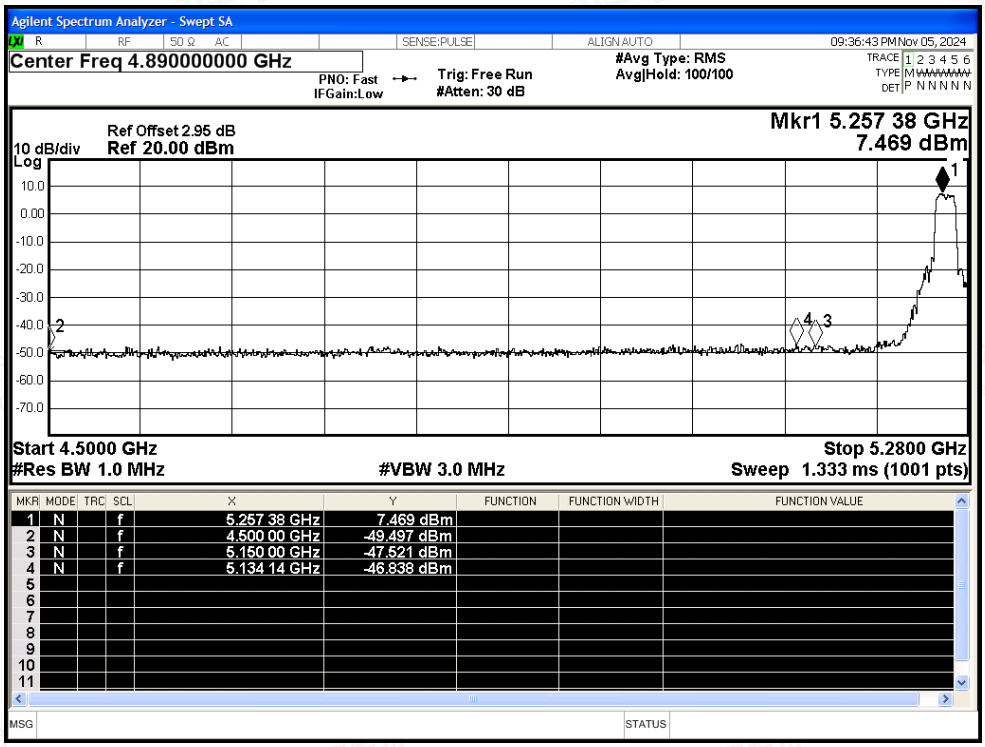
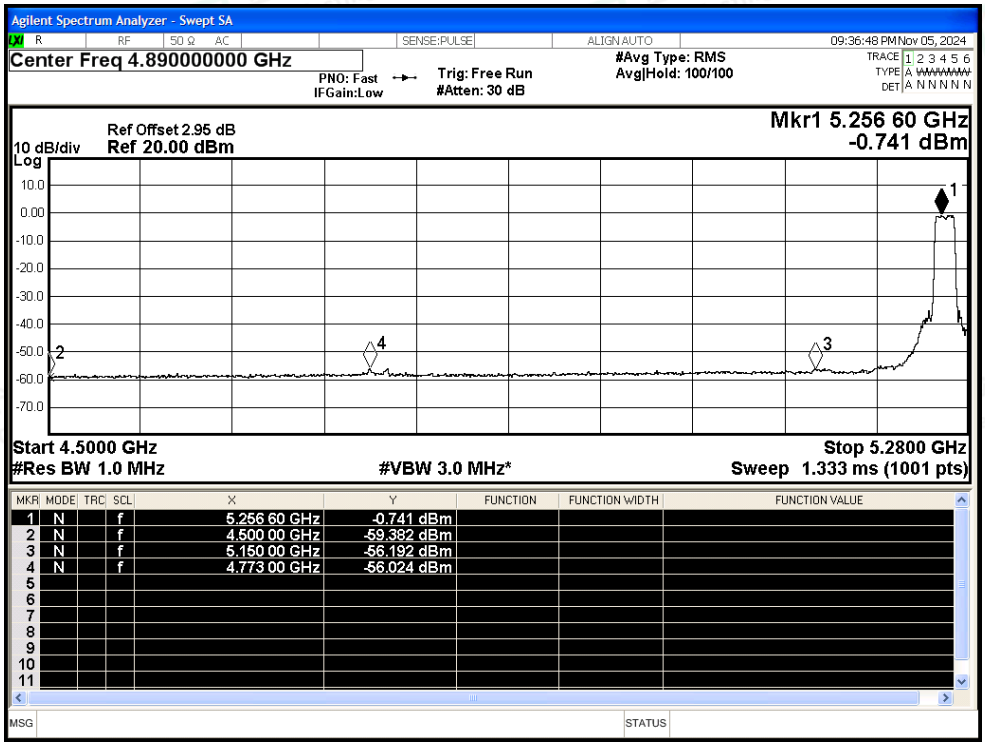
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | ax20 | 5320 | Ant1 | 5460 | -58 | 2.92 | 0.12 | 40.27 | Average | 54 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 4500 | -50.49 | 2.92 | - | 47.66 | Peak | 68.2 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 4500 | -58.51 | 2.92 | 0.12 | 39.76 | Average | 54 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 4772.97 | -45.22 | 2.92 | - | 52.93 | Peak | 68.2 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 4806.99 | -54.23 | 2.92 | 0.12 | 44.04 | Average | 54 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 5150 | -49.67 | 2.92 | - | 48.48 | Peak | 68.2 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 5150 | -57.43 | 2.92 | 0.12 | 40.84 | Average | 54 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5350 | -41.55 | 2.92 | - | 56.6 | Peak | 68.2 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5350 | -55.19 | 2.92 | 0.12 | 43.08 | Average | 54 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5351.6 | -40.9 | 2.92 | - | 57.25 | Peak | 68.2 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5350.6 | -54.42 | 2.92 | 0.12 | 43.85 | Average | 54 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5460 | -48.31 | 2.92 | - | 49.84 | Peak | 68.2 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5460 | -58.08 | 2.92 | 0.12 | 40.19 | Average | 54 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5350 | -45.08 | 2.92 | - | 53.07 | Peak | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5350 | -52.14 | 2.92 | 0.25 | 46.26 | Average | 54 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5353.5 | -40.6 | 2.92 | - | 57.55 | Peak | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5460 | -50.79 | 2.92 | - | 47.36 | Peak | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5460 | -57.74 | 2.92 | 0.25 | 40.66 | Average | 54 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 4500 | -50.51 | 2.92 | - | 47.64 | Peak | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 4500 | -59.26 | 2.92 | 0.25 | 39.14 | Average | 54 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5044.62 | -45.97 | 2.92 | - | 52.18 | Peak | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5053.32 | -56.48 | 2.92 | 0.25 | 41.92 | Average | 54 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5150 | -48.59 | 2.92 | - | 49.56 | Peak | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5150 | -56.96 | 2.92 | 0.25 | 41.44 | Average | 54 | Pass |

Test Graphs

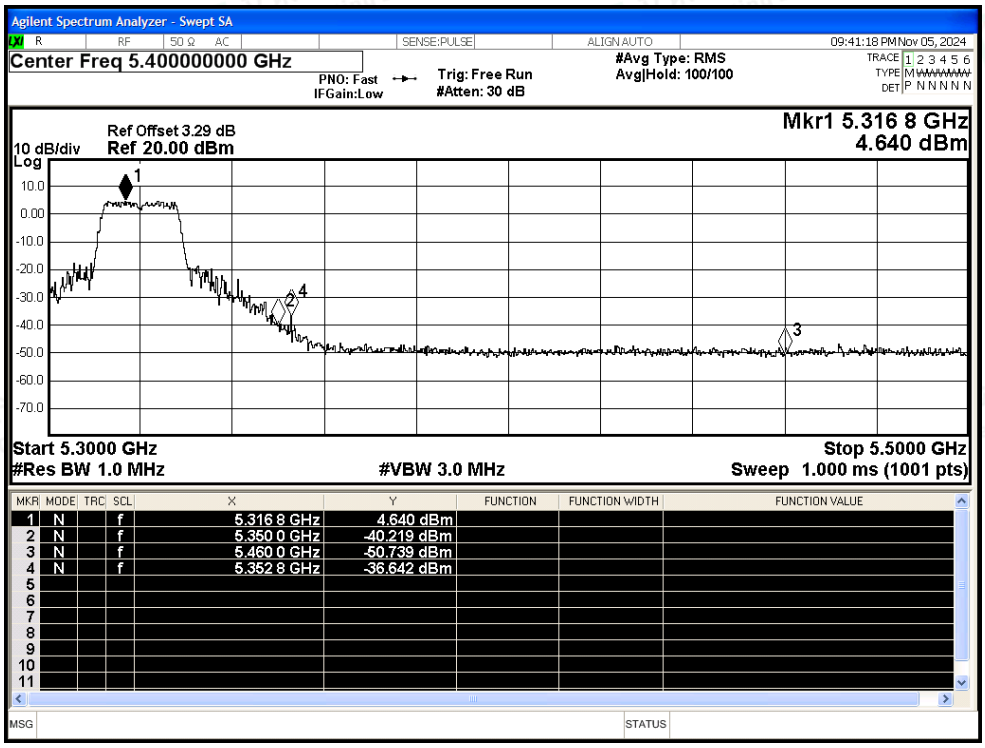
Restrict Band NVNT a 5260MHz Ant1 Peak



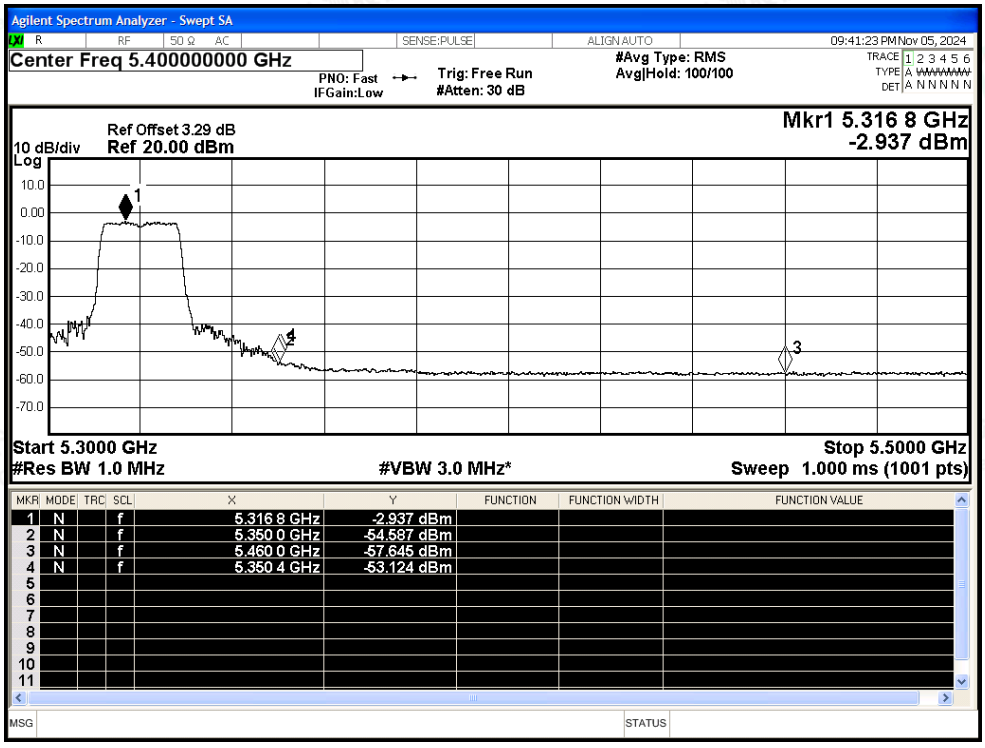

Restrict Band NVNT a 5260MHz Ant1 Average



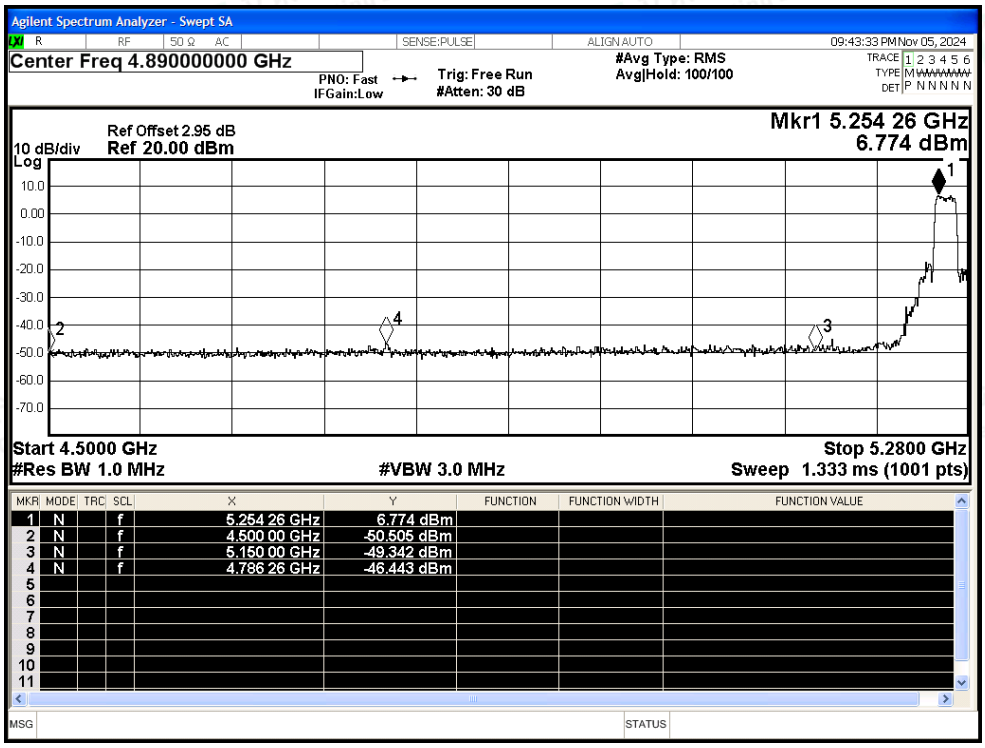
Restrict Band NVNT a 5320MHz Ant1 Peak



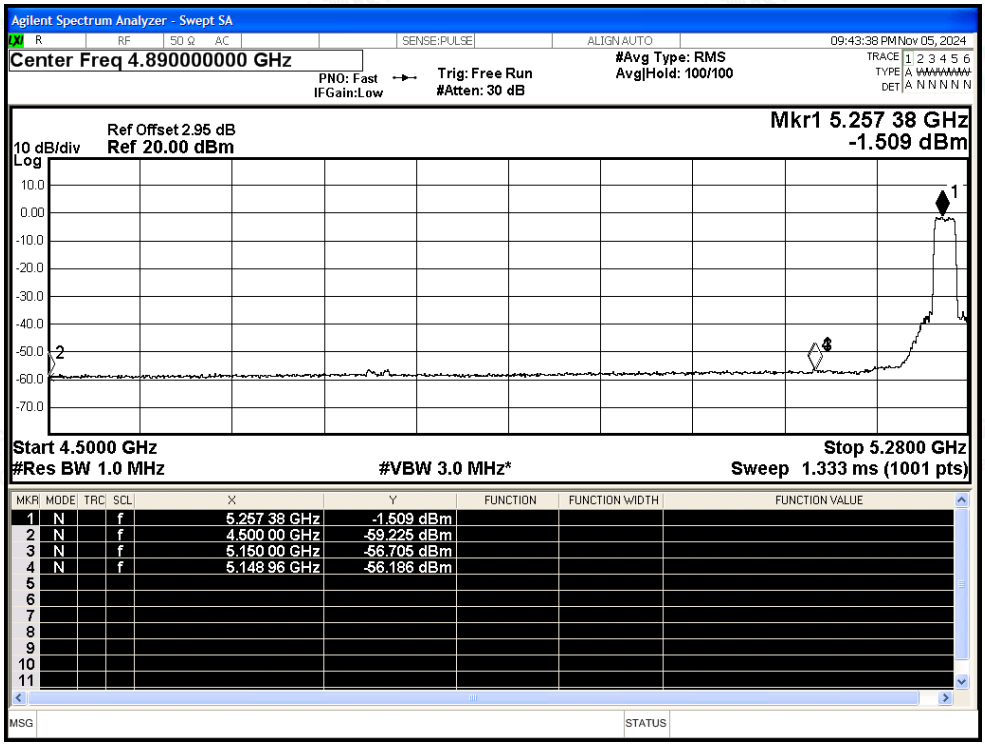

Restrict Band NVNT a 5320MHz Ant1 Average



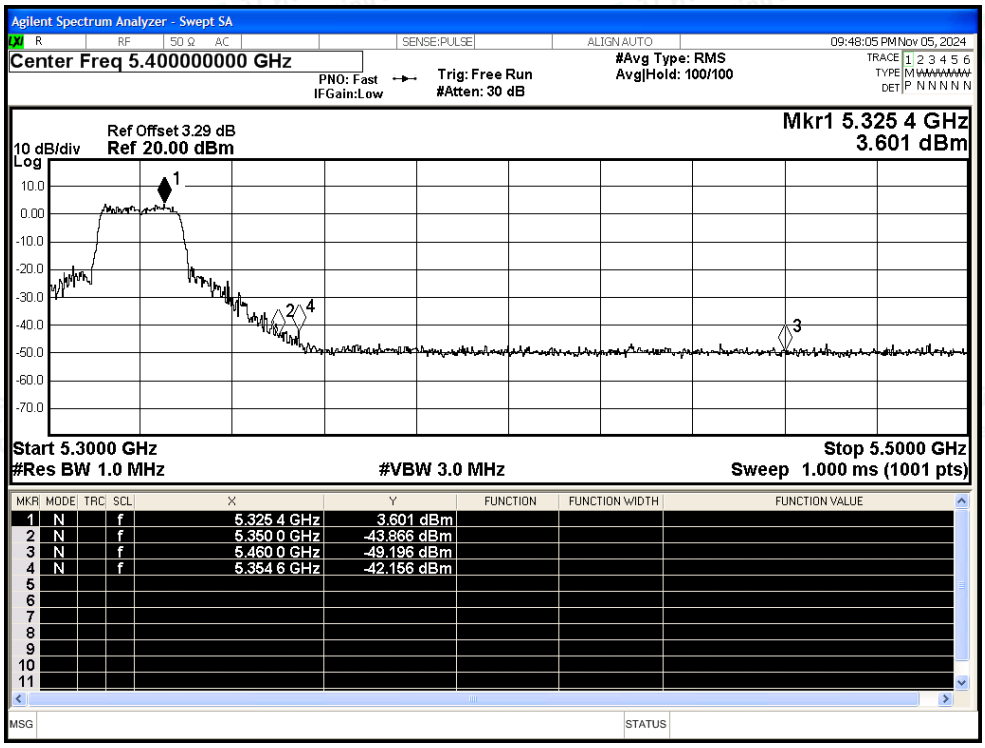
Restrict Band NVNT n20 5260MHz Ant1 Peak



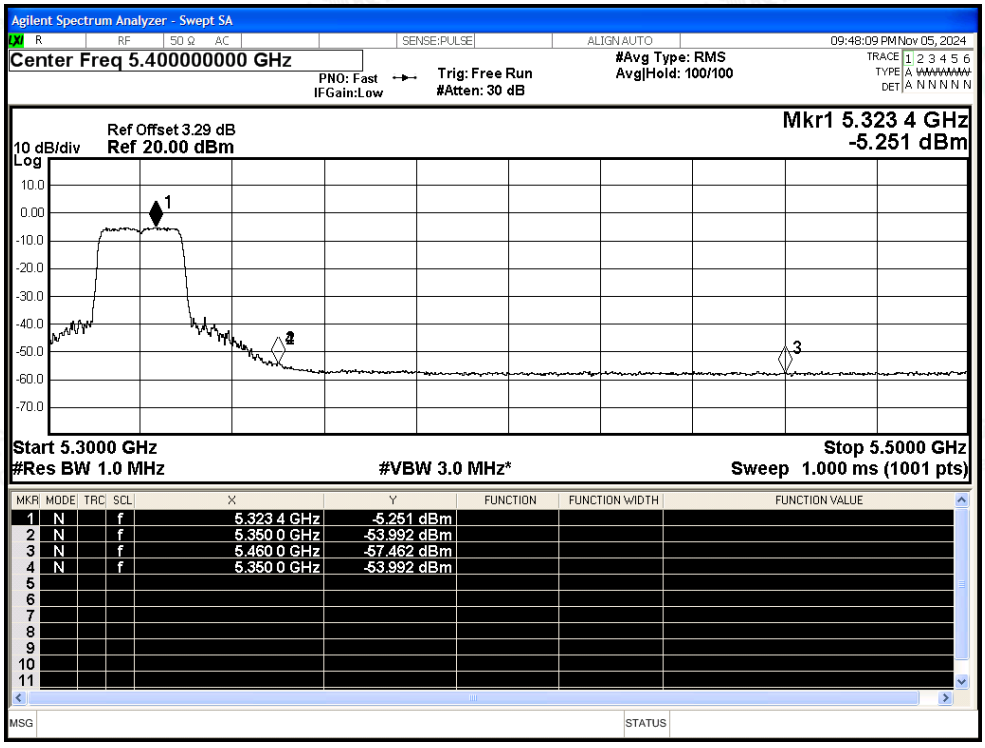

Restrict Band NVNT n20 5260MHz Ant1 Average



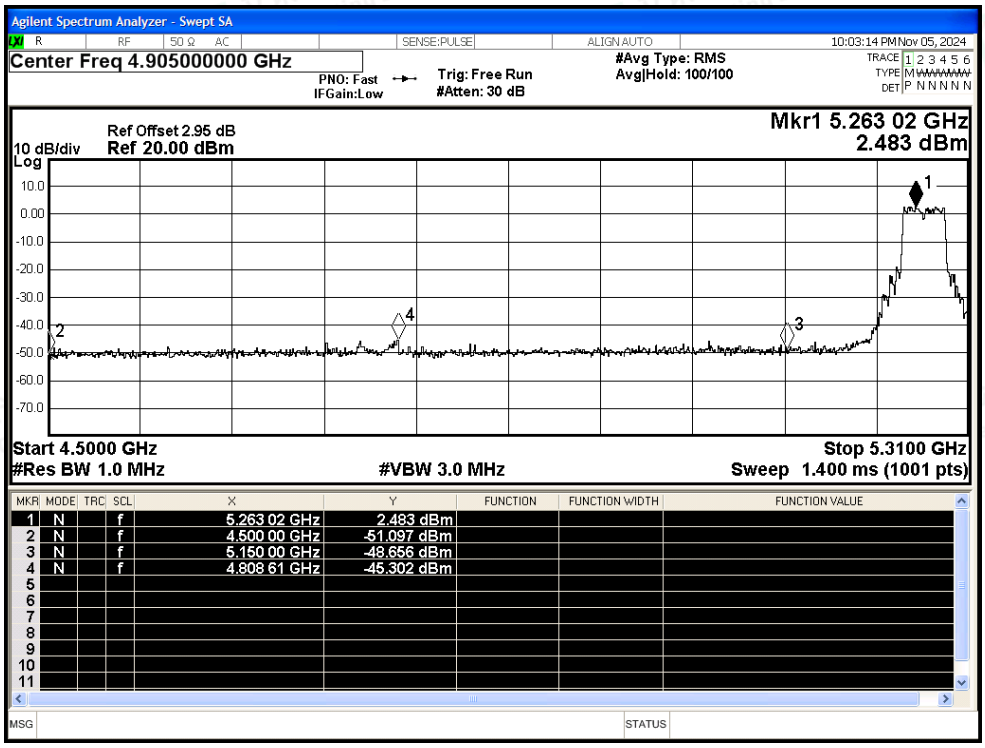
Restrict Band NVNT n20 5320MHz Ant1 Peak



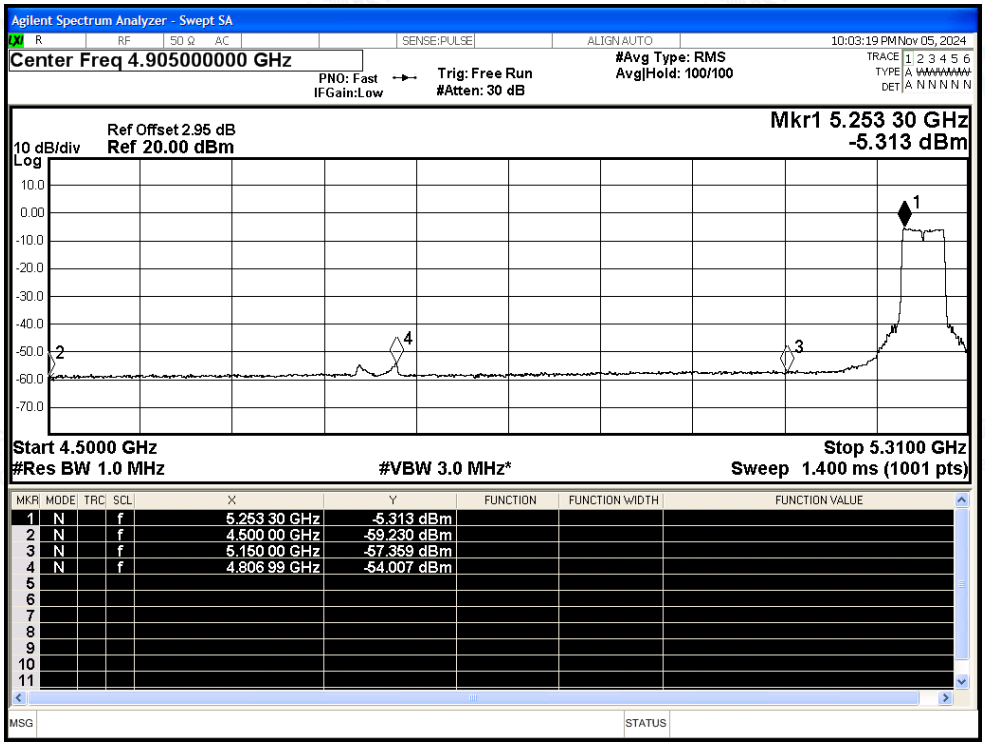

Restrict Band NVNT n20 5320MHz Ant1 Average



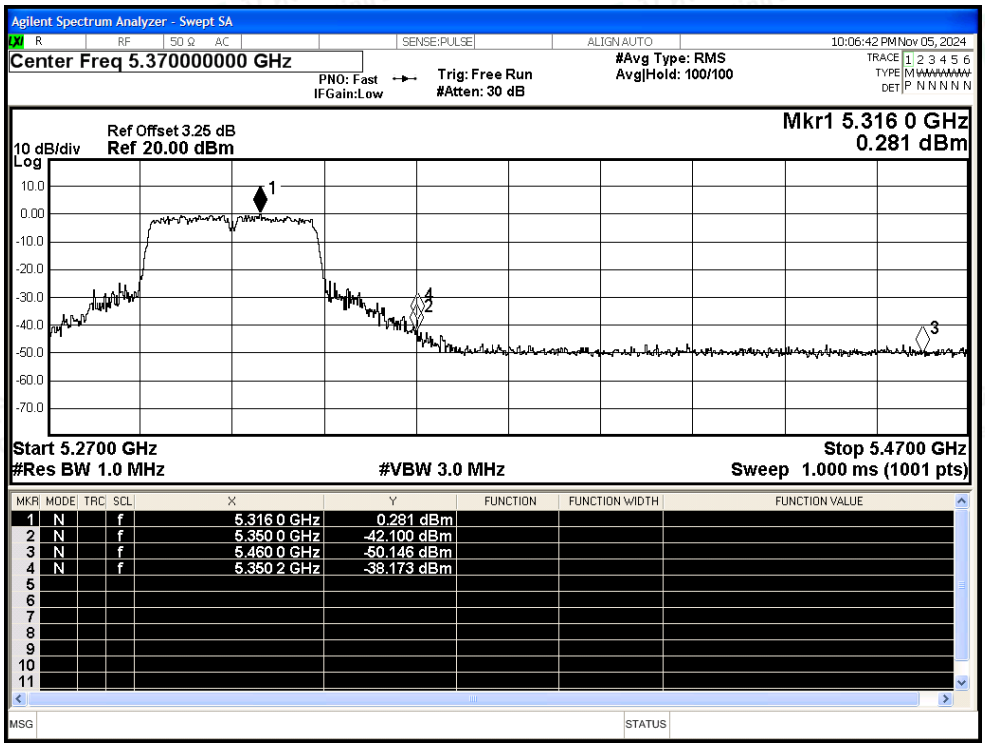
Restrict Band NVNT n40 5270MHz Ant1 Peak



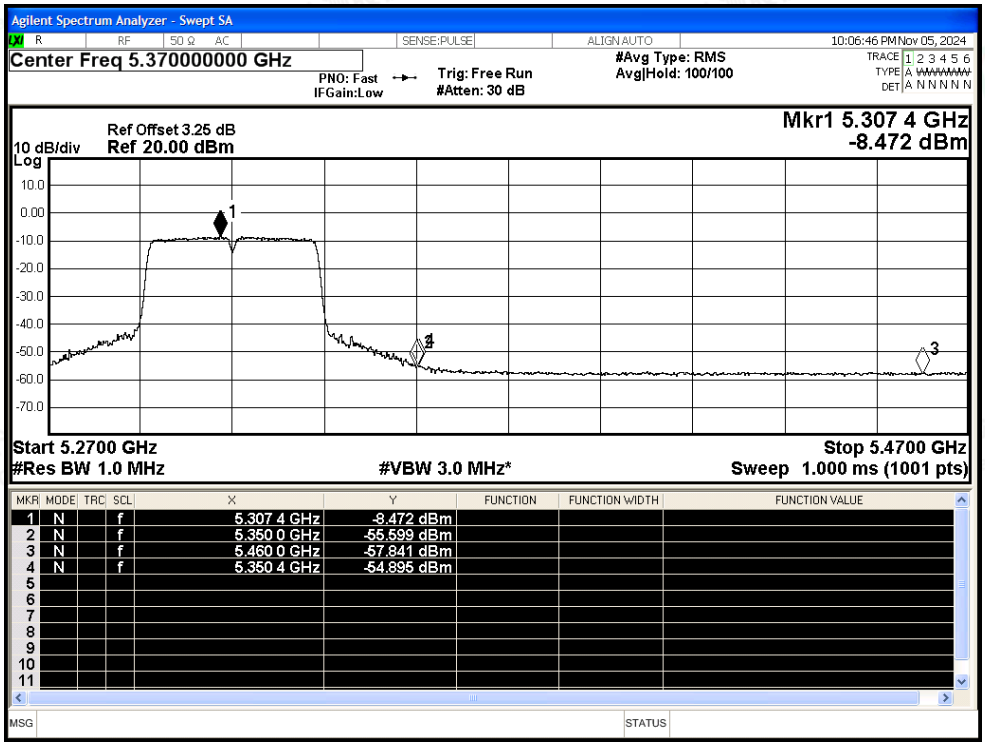

Restrict Band NVNT n40 5270MHz Ant1 Average



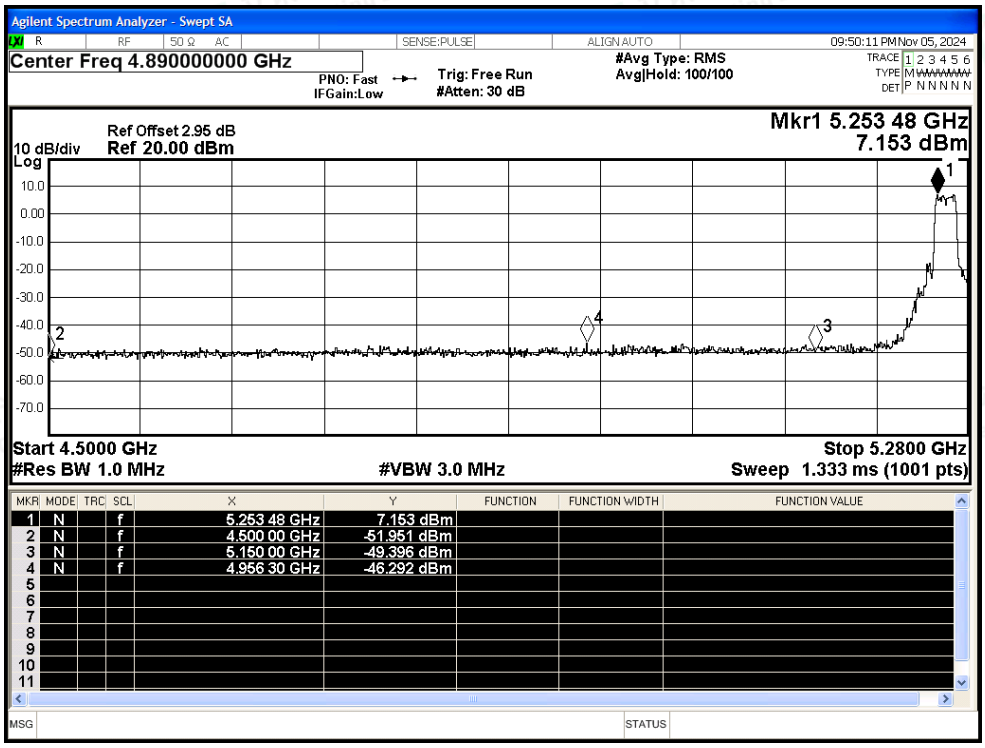
Restrict Band NVNT n40 5310MHz Ant1 Peak



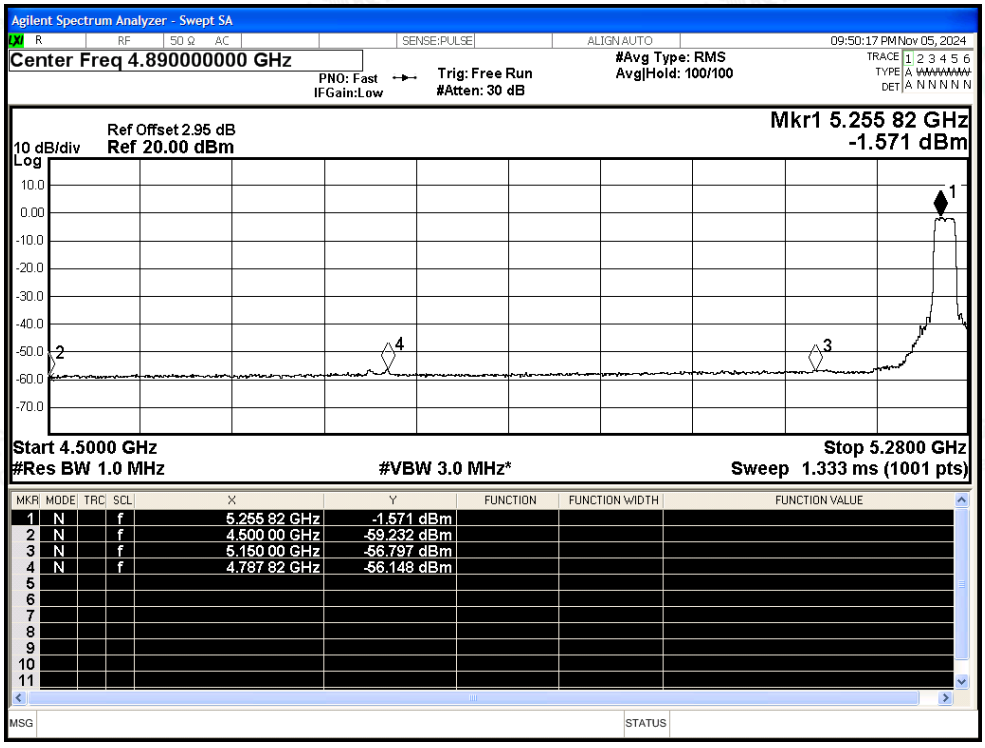

Restrict Band NVNT n40 5310MHz Ant1 Average



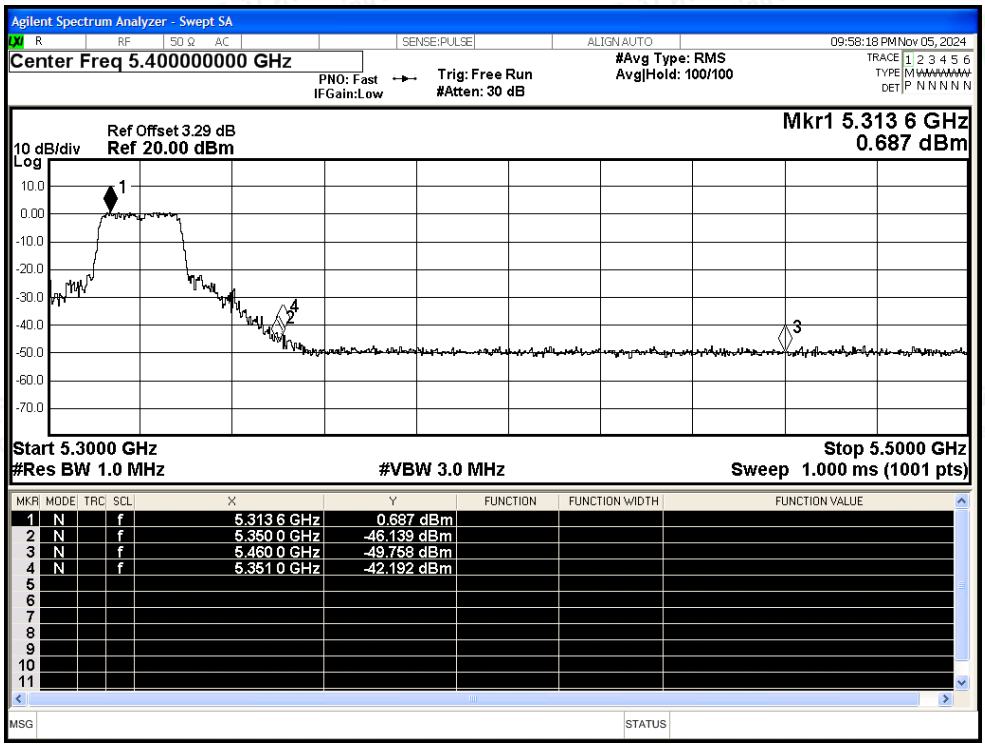
Restrict Band NVNT ac20 5260MHz Ant1 Peak



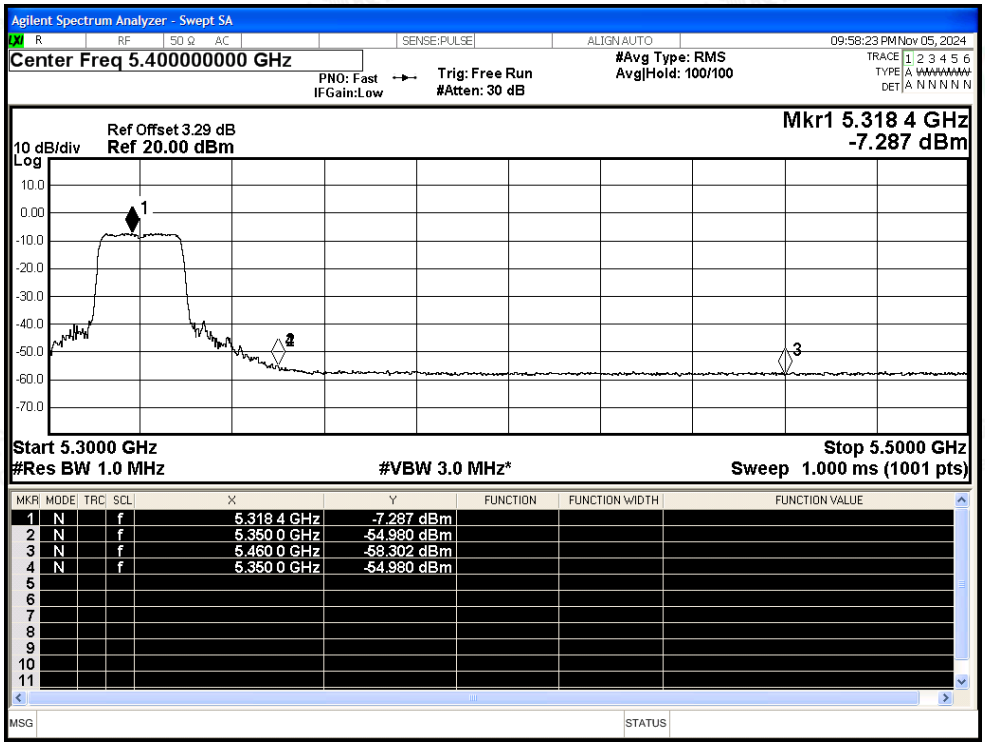

Restrict Band NVNT ac20 5260MHz Ant1 Average



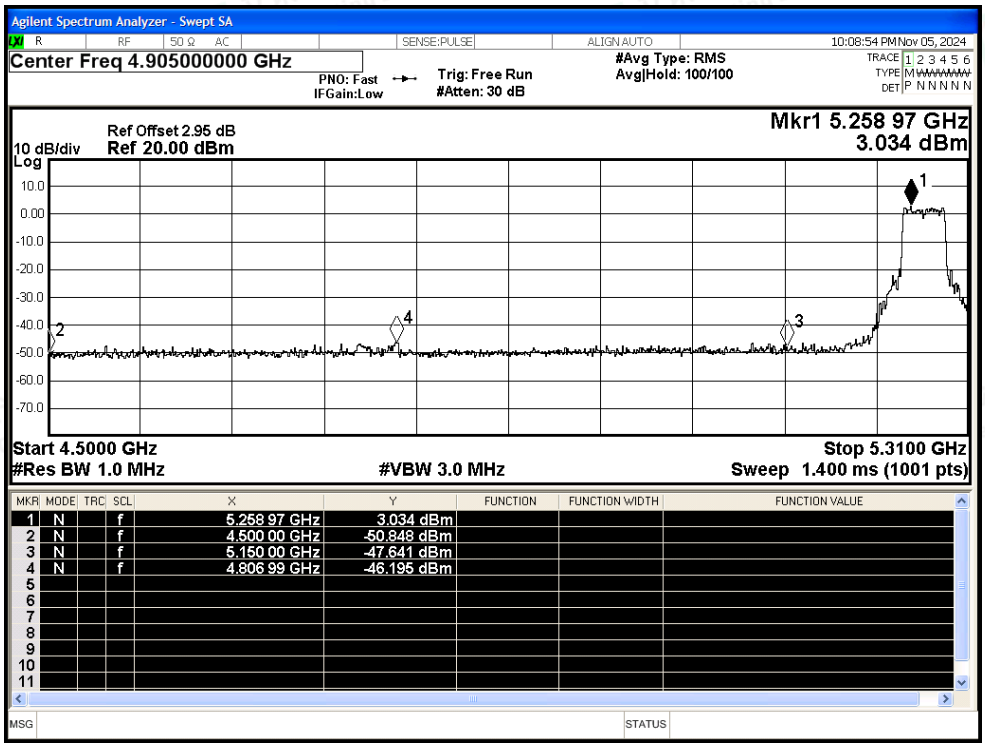
Restrict Band NVNT ac20 5320MHz Ant1 Peak



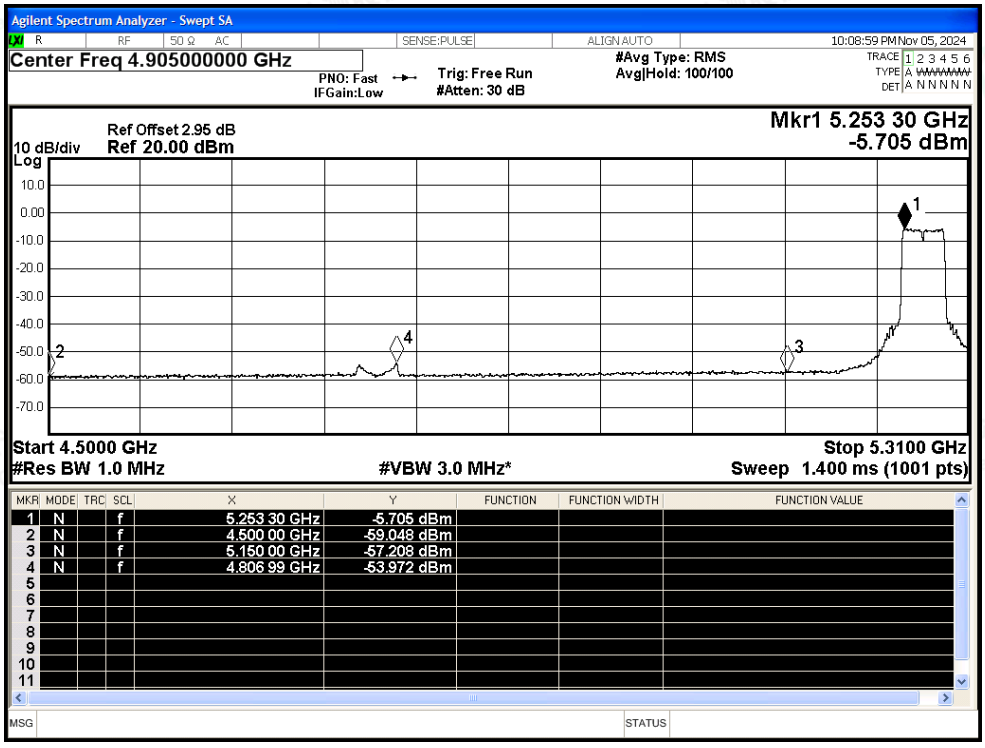

Restrict Band NVNT ac20 5320MHz Ant1 Average



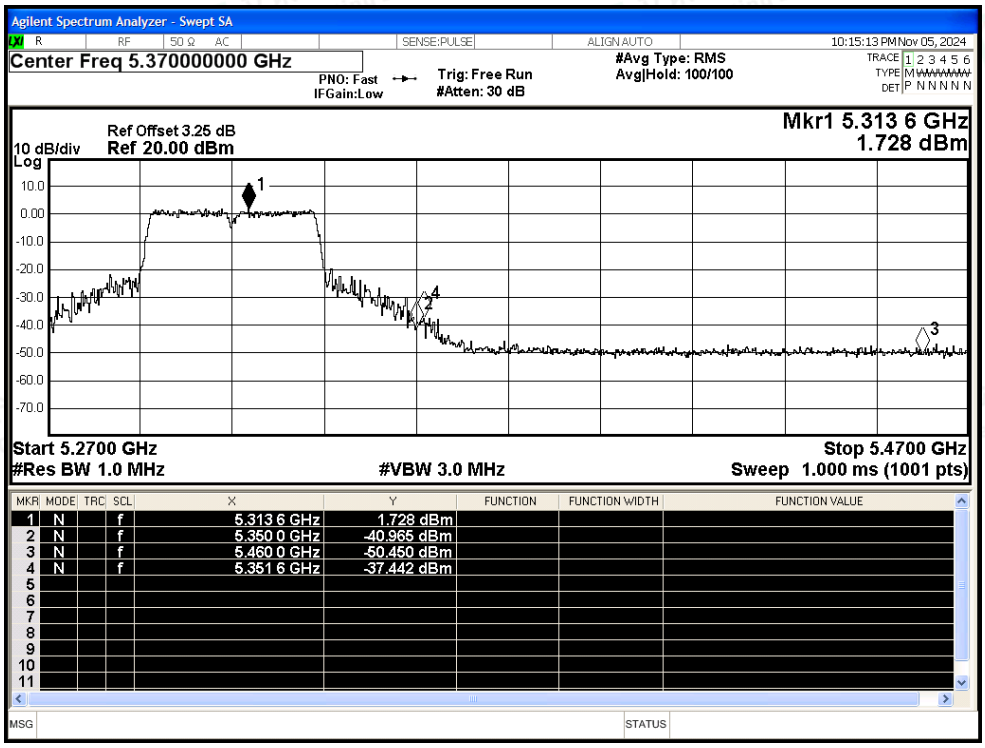
Restrict Band NVNT ac40 5270MHz Ant1 Peak



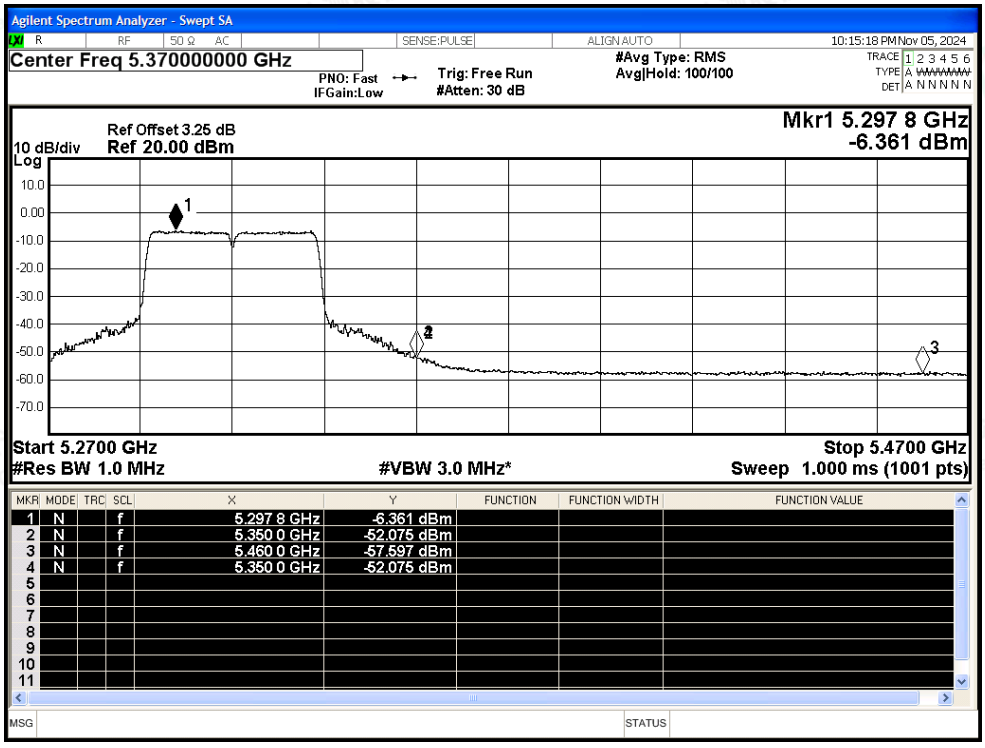

Restrict Band NVNT ac40 5270MHz Ant1 Average



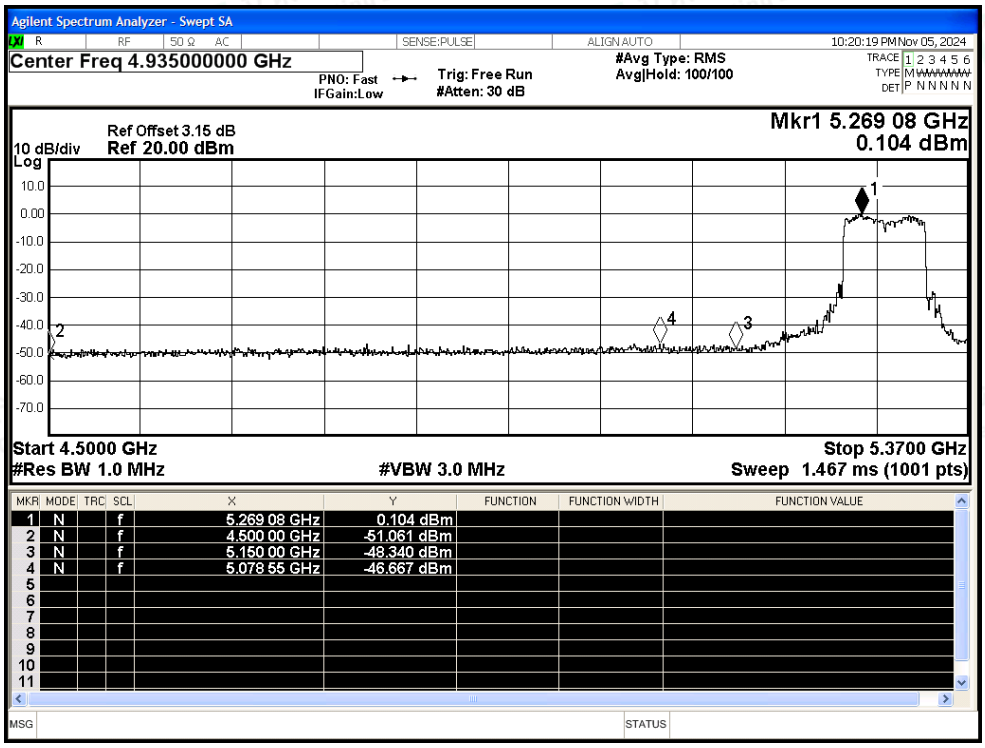
Restrict Band NVNT ac40 5310MHz Ant1 Peak



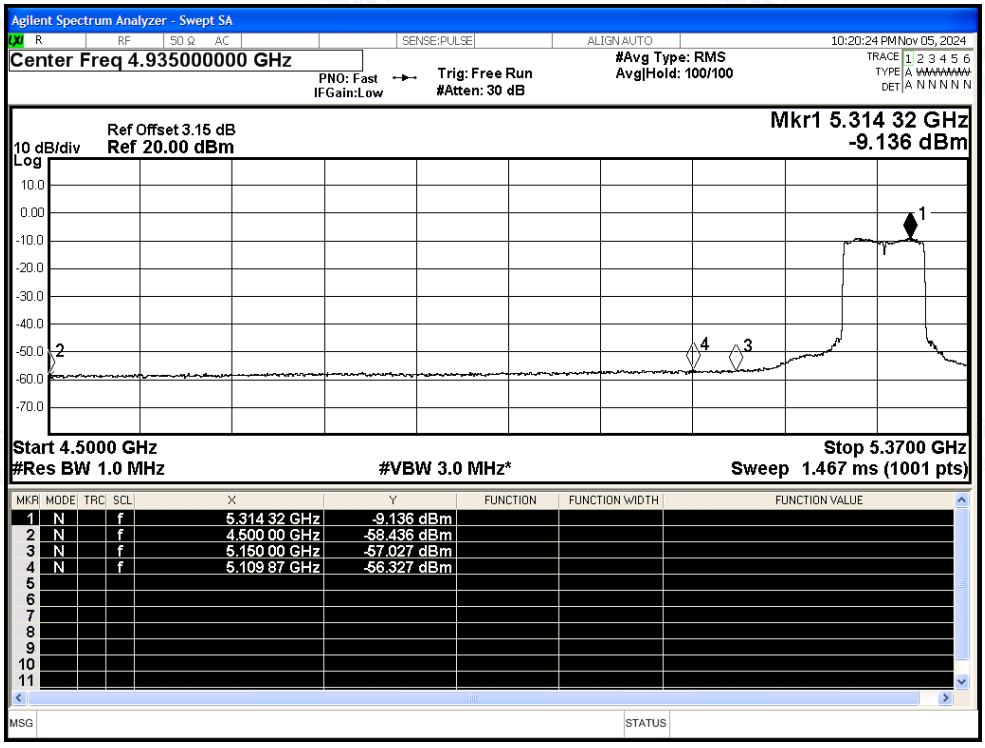

Restrict Band NVNT ac40 5310MHz Ant1 Average



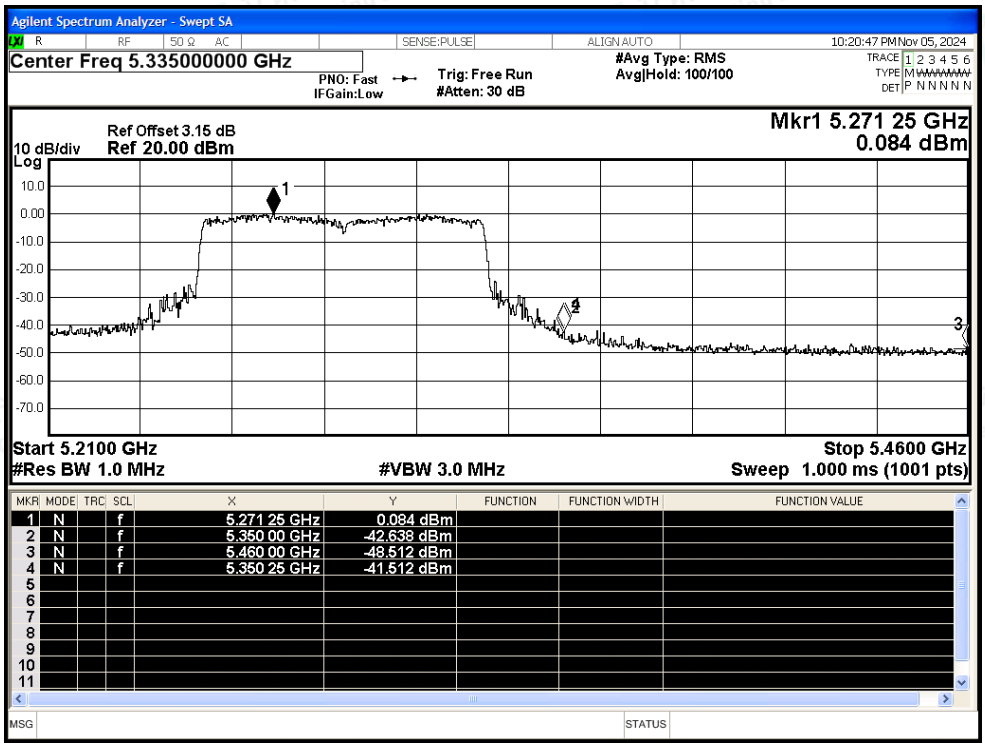
Restrict Band NVNT ac80 5290MHz Ant1 Peak



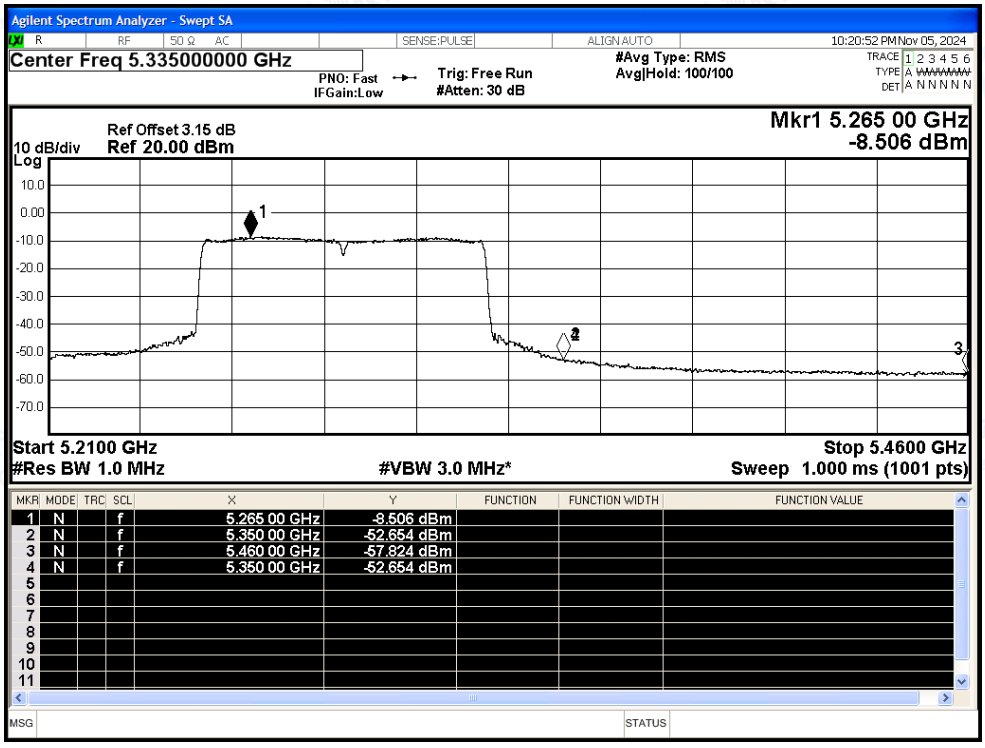

Restrict Band NVNT ac80 5290MHz Ant1 Average



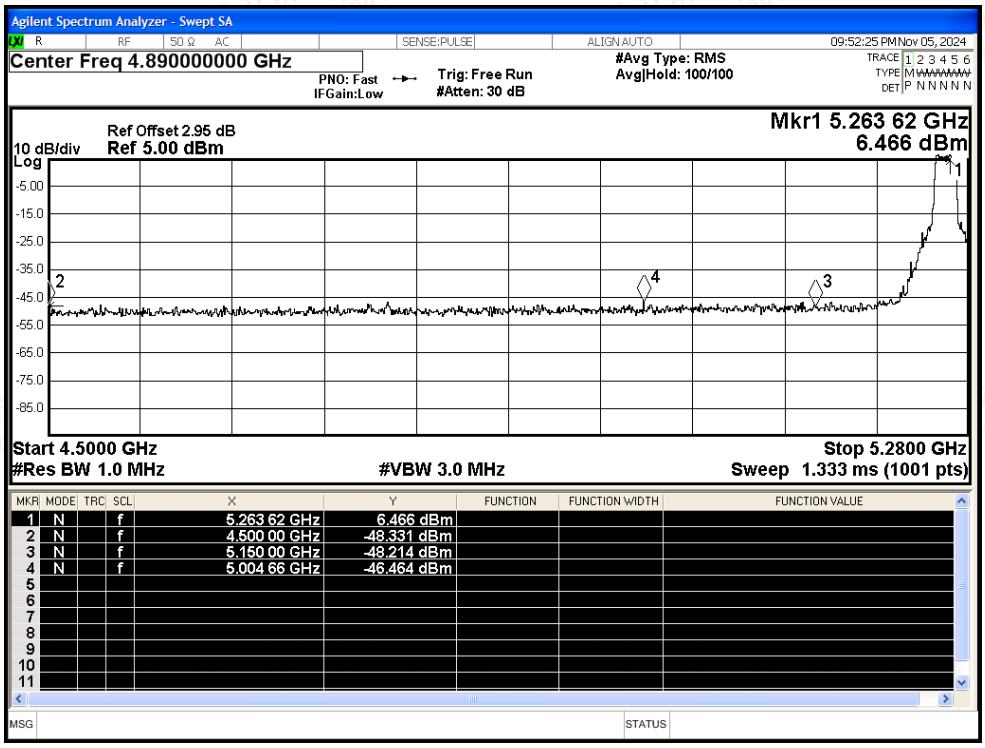
Restrict Band NVNT ac80 5290MHz Ant1 Peak



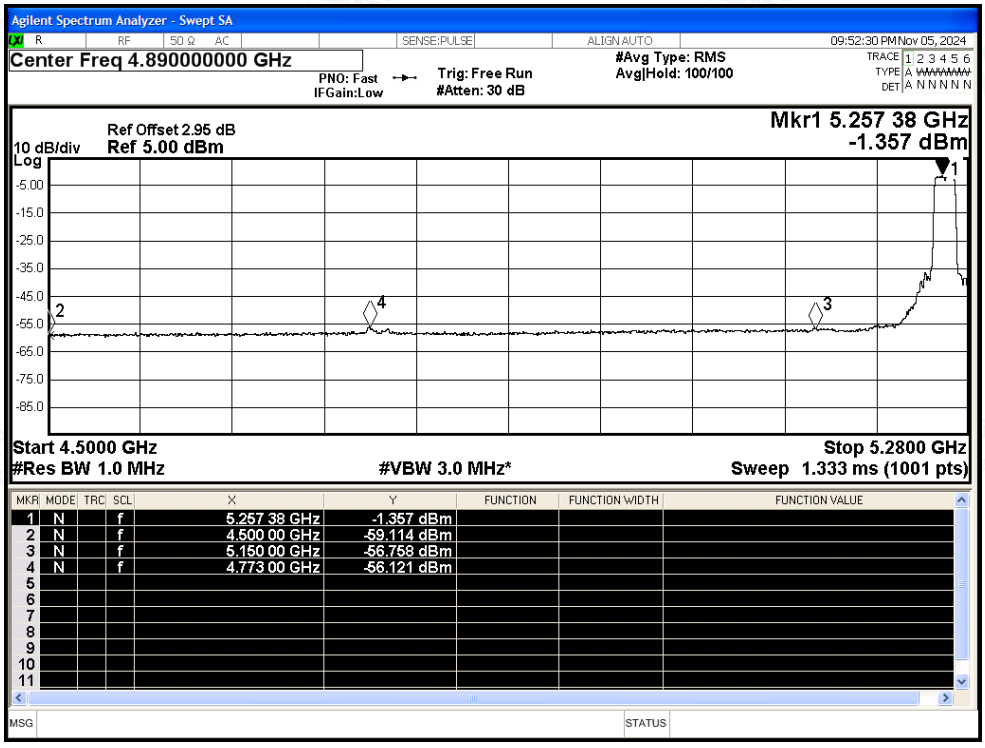

Restrict Band NVNT ac80 5290MHz Ant1 Average



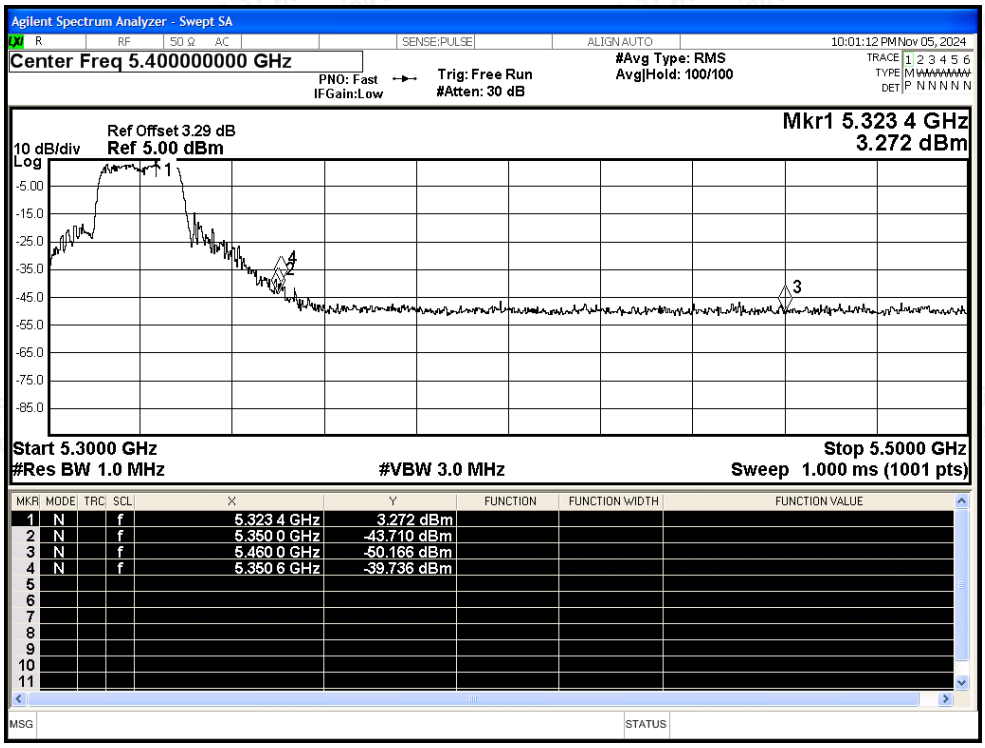
Restrict Band NVNT ax20 5260MHz Ant1 Peak



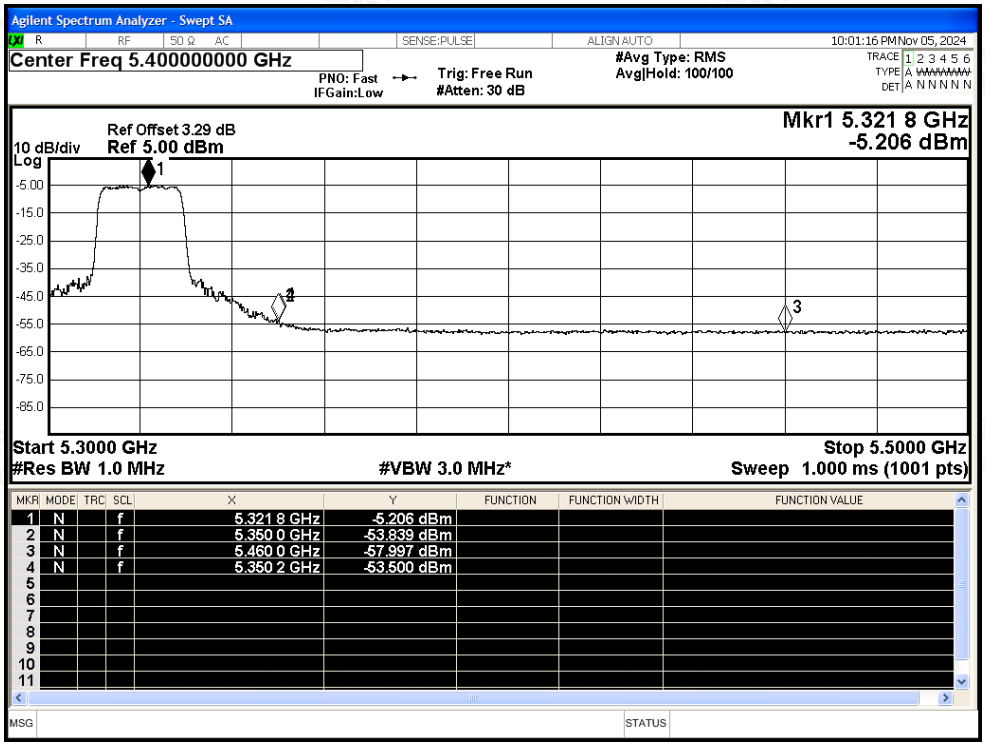

Restrict Band NVNT ax20 5260MHz Ant1 Average



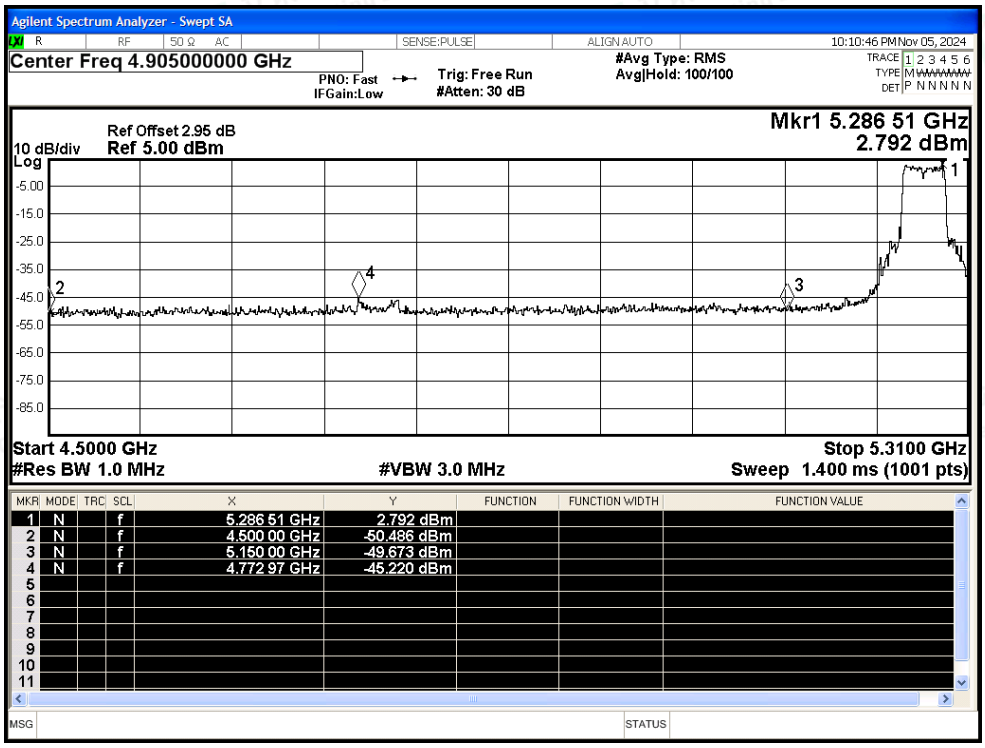
Restrict Band NVNT ax20 5320MHz Ant1 Peak



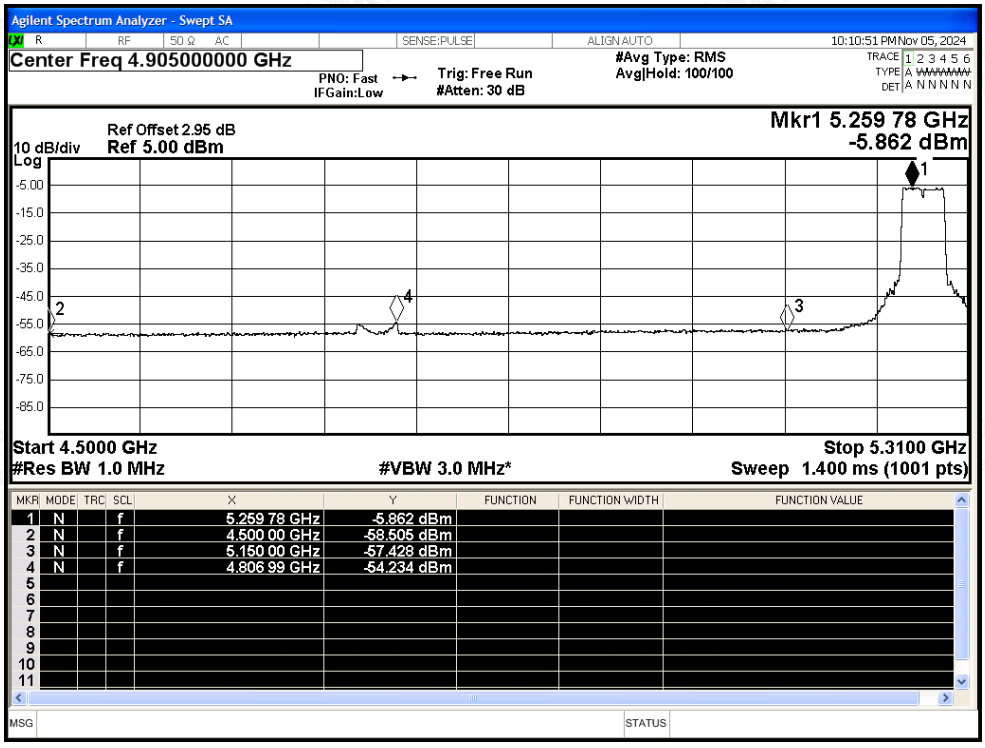

Restrict Band NVNT ax20 5320MHz Ant1 Average



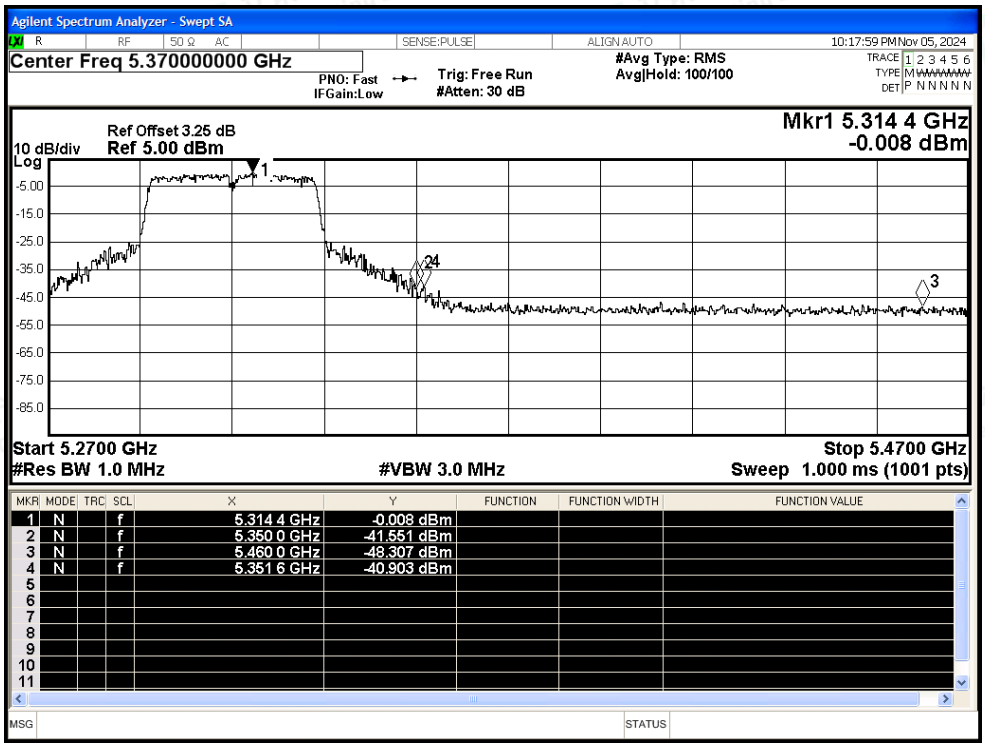
Restrict Band NVNT ax40 5270MHz Ant1 Peak



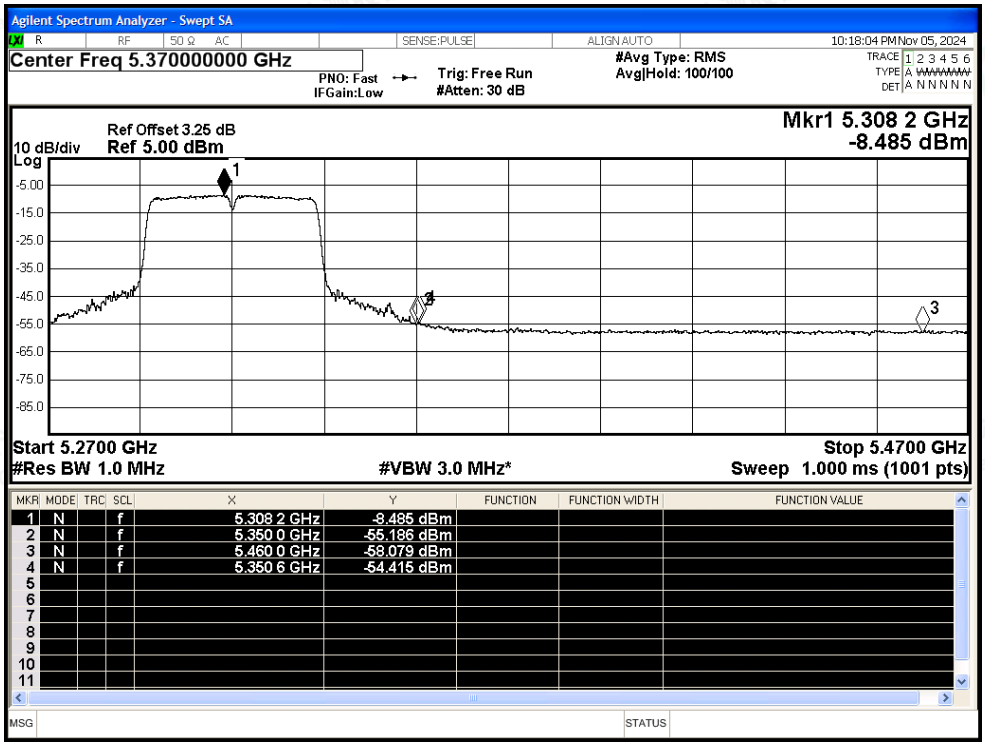

Restrict Band NVNT ax40 5270MHz Ant1 Average



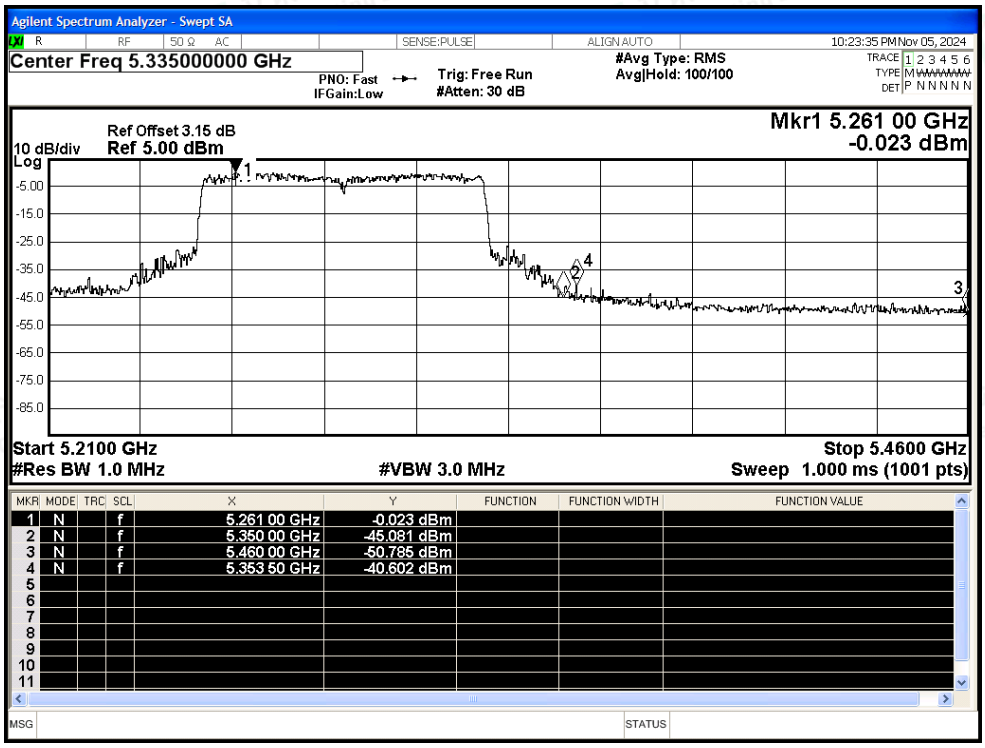
Restrict Band NVNT ax40 5310MHz Ant1 Peak



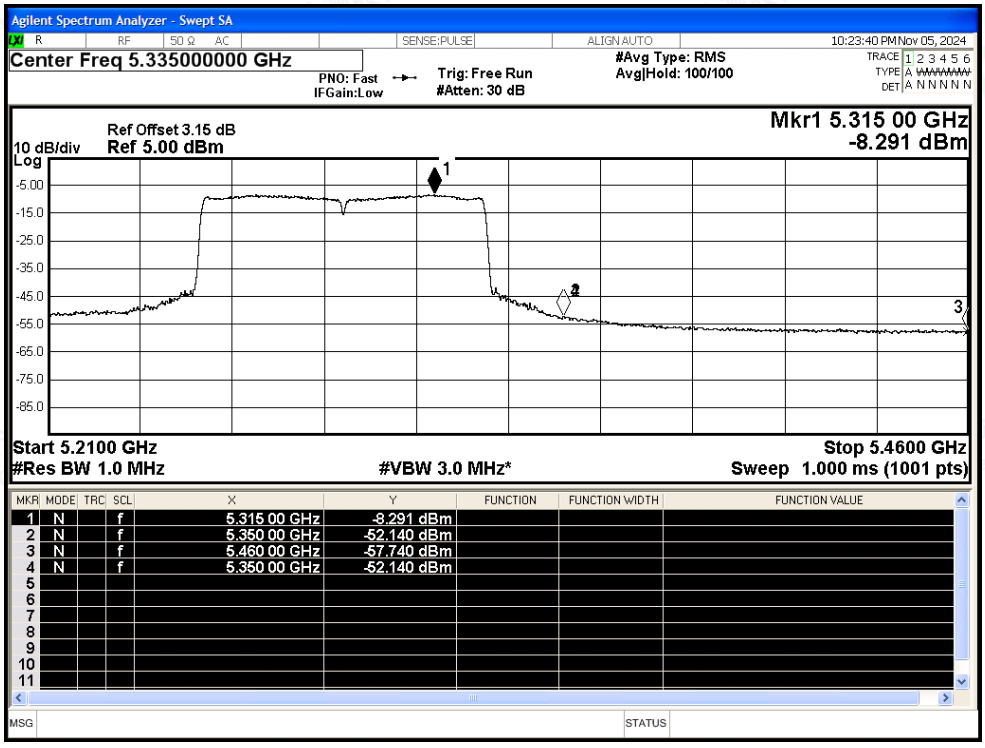

Restrict Band NVNT ax40 5310MHz Ant1 Average



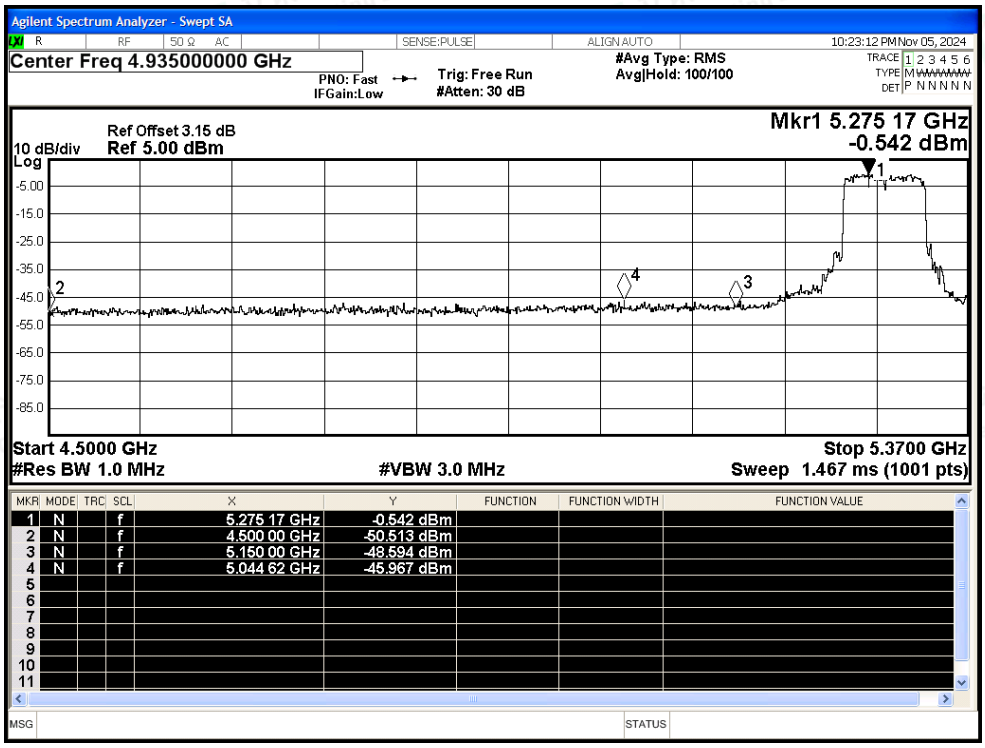
Restrict Band NVNT ax80 5290MHz Ant1 Peak



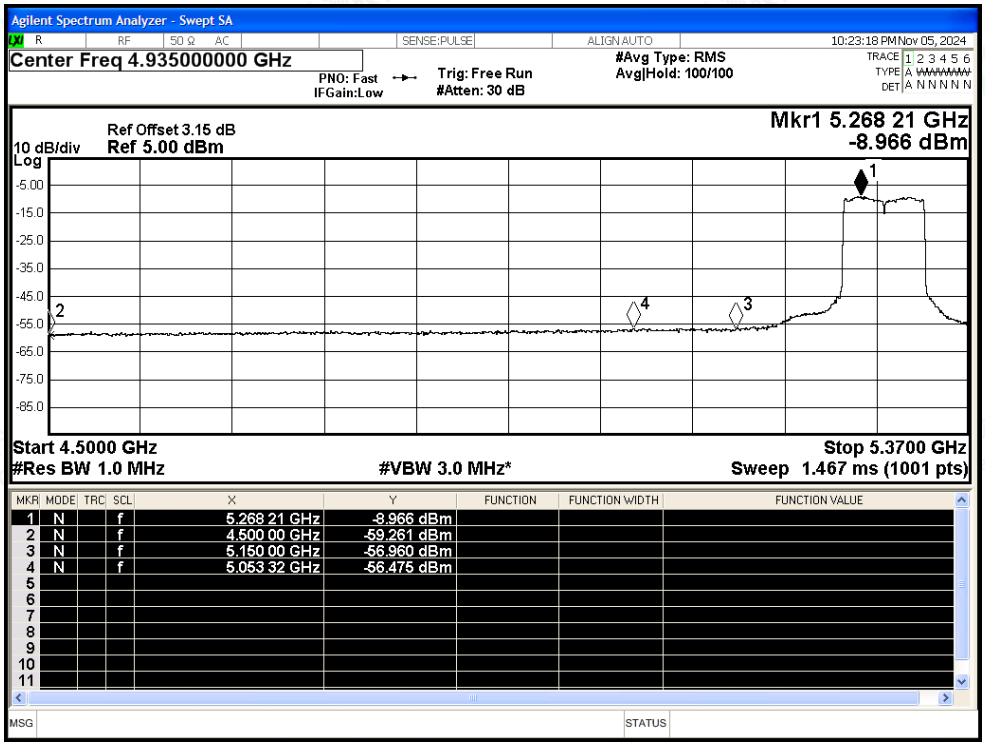

Restrict Band NVNT ax80 5290MHz Ant1 Average



Restrict Band NVNT ax80 5290MHz Ant1 Peak




Restrict Band NVNT ax80 5290MHz Ant1 Average

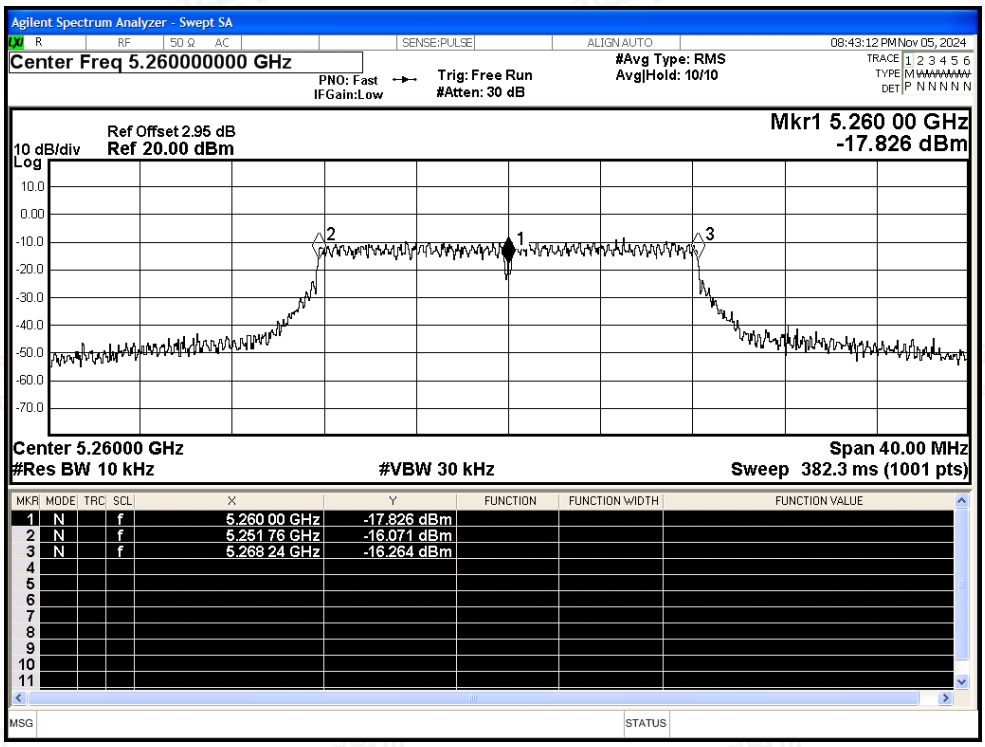


# E.5 Frequency Stability

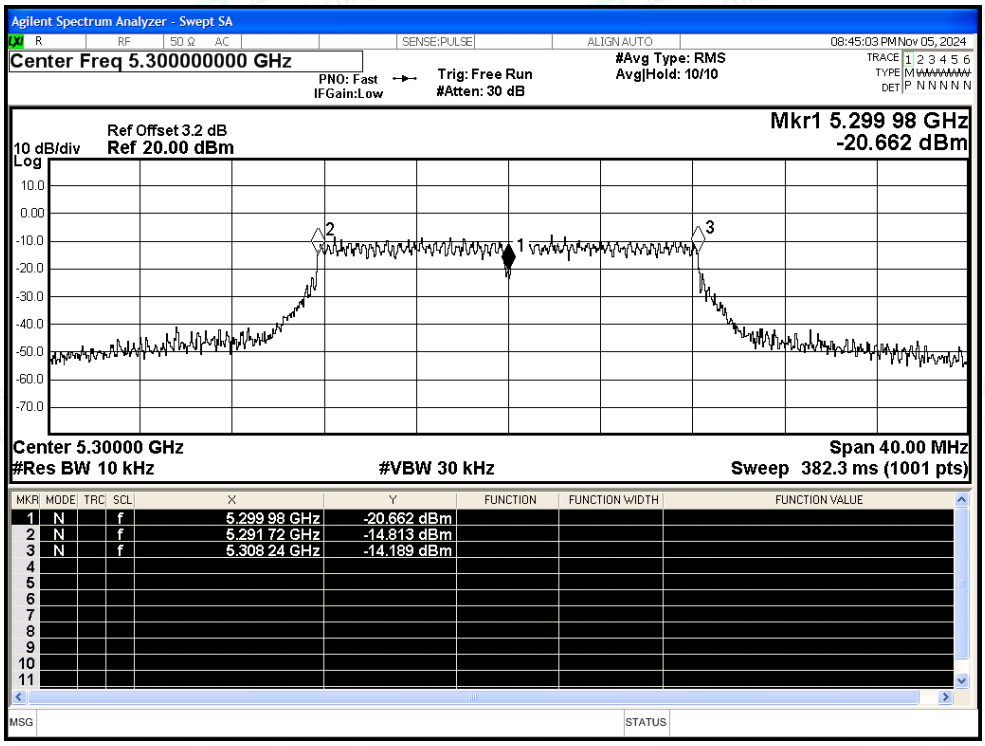
| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5260 | Ant0 | 5260 | 0 | 0 | 25 | Pass |
| NVNT | a | 5300 | Ant0 | 5299.98 | -20000 | -3.77 | 25 | Pass |
| NVNT | a | 5320 | Ant0 | 5320.02 | 20000 | 3.76 | 25 | Pass |
| NVNT | n20 | 5260 | Ant0 | 5259.98 | -20000 | -3.8 | 25 | Pass |
| NVNT | n20 | 5300 | Ant0 | 5299.98 | -20000 | -3.77 | 25 | Pass |
| NVNT | n20 | 5320 | Ant0 | 5319.98 | -20000 | -3.76 | 25 | Pass |
| NVNT | n40 | 5270 | Ant0 | 5270 | 0 | 0 | 25 | Pass |
| NVNT | n40 | 5310 | Ant0 | 5310 | 0 | 0 | 25 | Pass |
| NVNT | ac20 | 5260 | Ant0 | 5260 | 0 | 0 | 25 | Pass |
| NVNT | ac20 | 5300 | Ant0 | 5299.98 | -20000 | -3.77 | 25 | Pass |
| NVNT | ac20 | 5320 | Ant0 | 5319.98 | -20000 | -3.76 | 25 | Pass |
| NVNT | ac40 | 5270 | Ant0 | 5269.96 | -40000 | -7.59 | 25 | Pass |
| NVNT | ac40 | 5310 | Ant0 | 5309.96 | -40000 | -7.53 | 25 | Pass |
| NVNT | ac80 | 5290 | Ant0 | 5290 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5260 | Ant0 | 5259.98 | -20000 | -3.8 | 25 | Pass |
| NVNT | ax20 | 5300 | Ant0 | 5299.98 | -20000 | -3.77 | 25 | Pass |
| NVNT | ax20 | 5320 | Ant0 | 5320 | 0 | 0 | 25 | Pass |
| NVNT | ax40 | 5270 | Ant0 | 5269.96 | -40000 | -7.59 | 25 | Pass |
| NVNT | ax40 | 5310 | Ant0 | 5310 | 0 | 0 | 25 | Pass |
| NVNT | ax80 | 5290 | Ant0 | 5290 | 0 | 0 | 25 | Pass |

Test Graphs

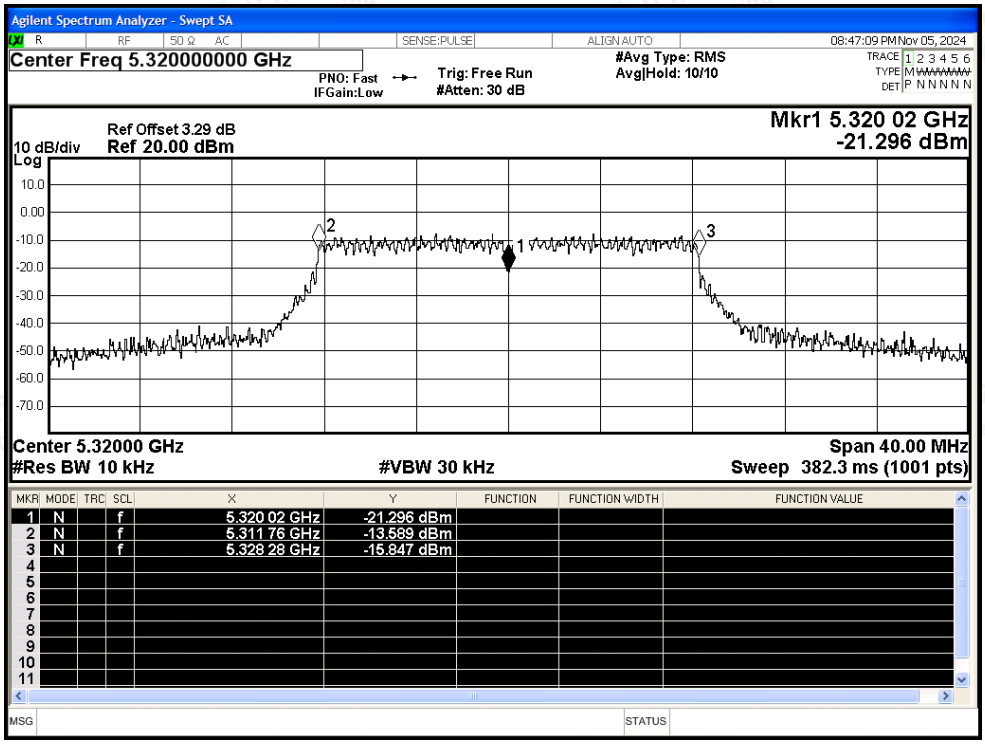
Freq. Stability NVNT a 5260MHz Ant0



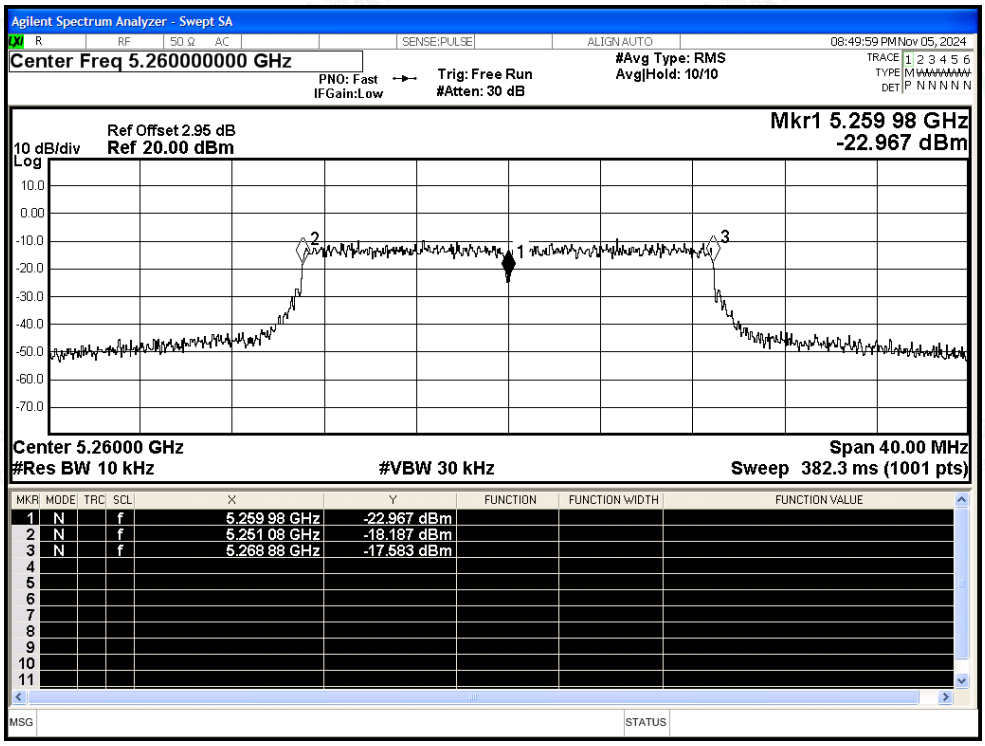

Freq. Stability NVNT a 5300MHz Ant0



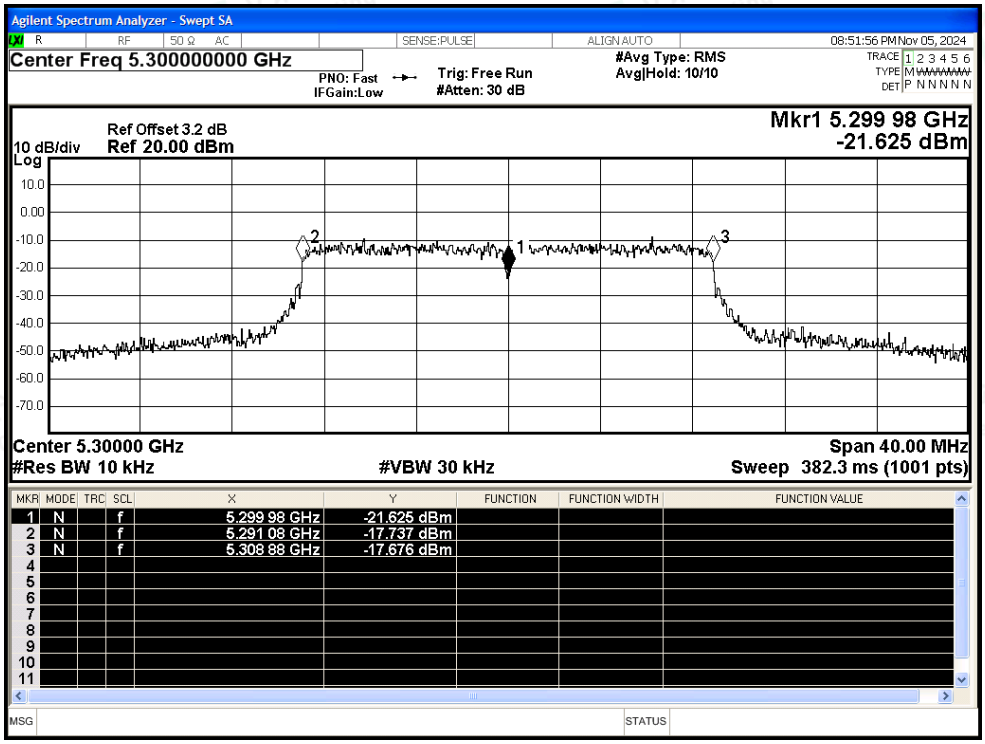
Freq. Stability NVNT a 5320MHz Ant0



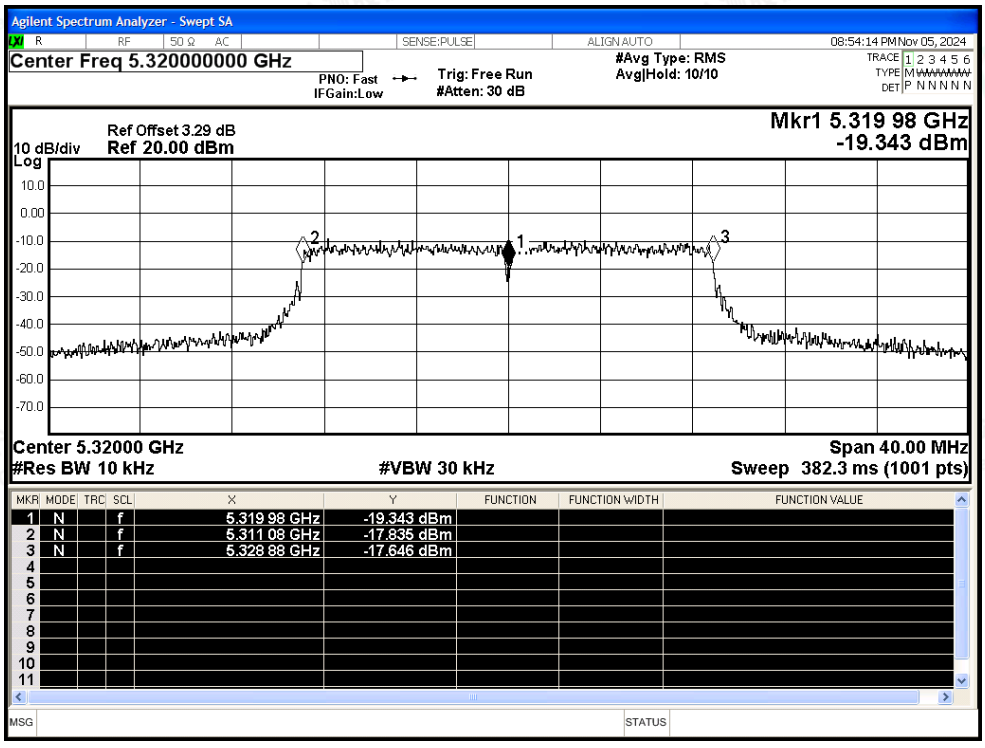

Freq. Stability NVNT n20 5260MHz Ant0



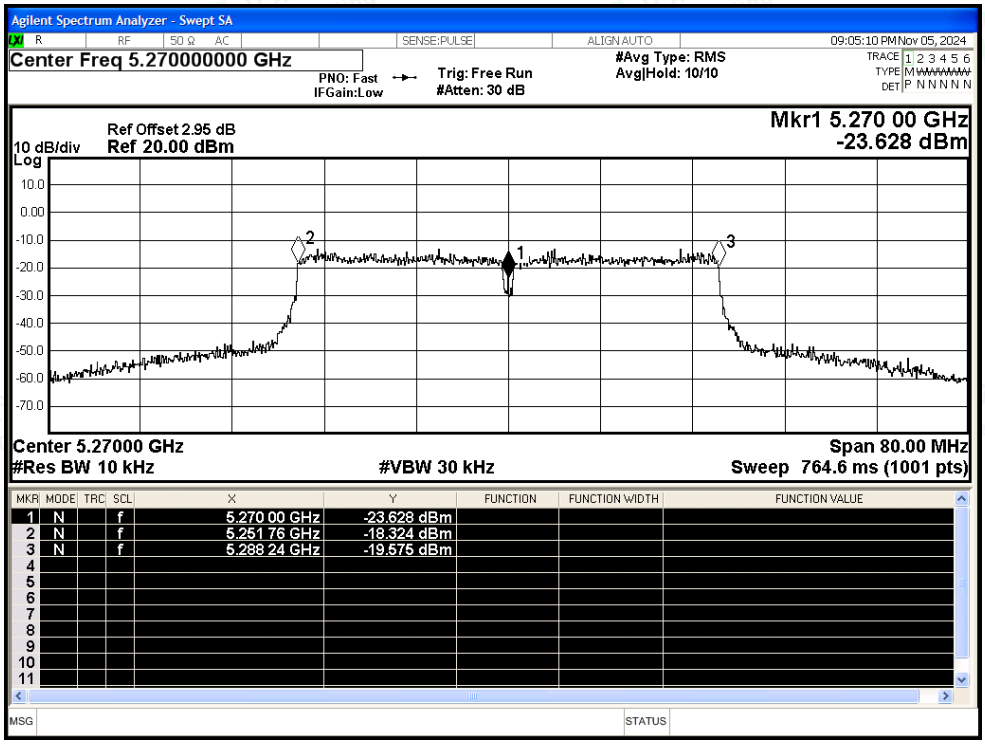
Freq. Stability NVNT n20 5300MHz Ant0



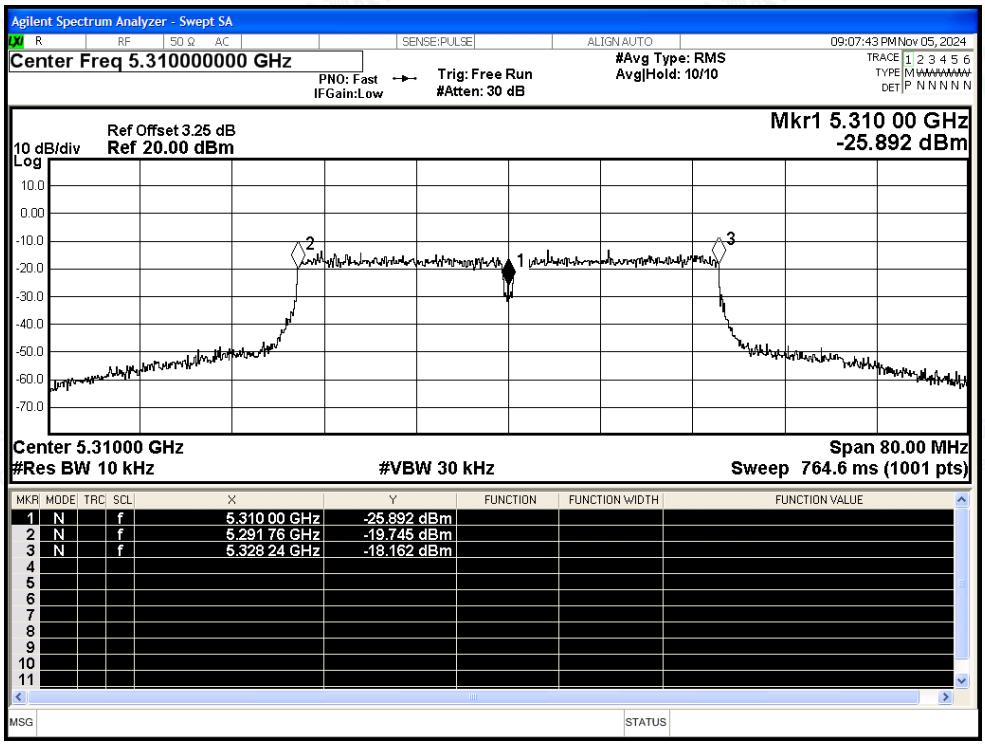

Freq. Stability NVNT n20 5320MHz Ant0



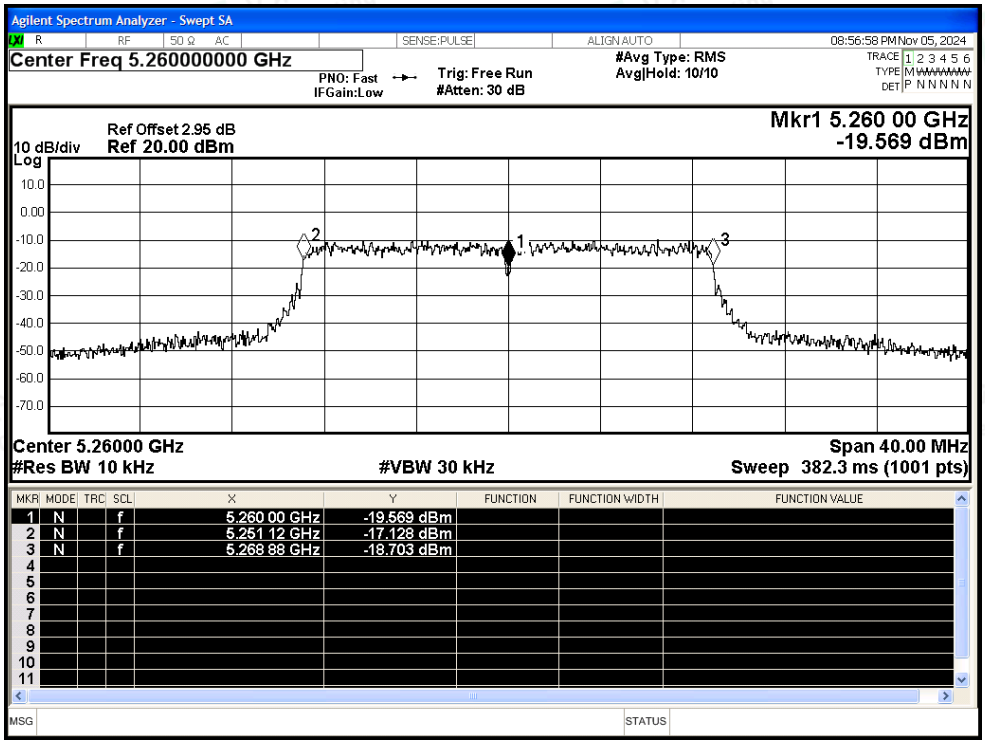
Freq. Stability NVNT n40 5270MHz Ant0



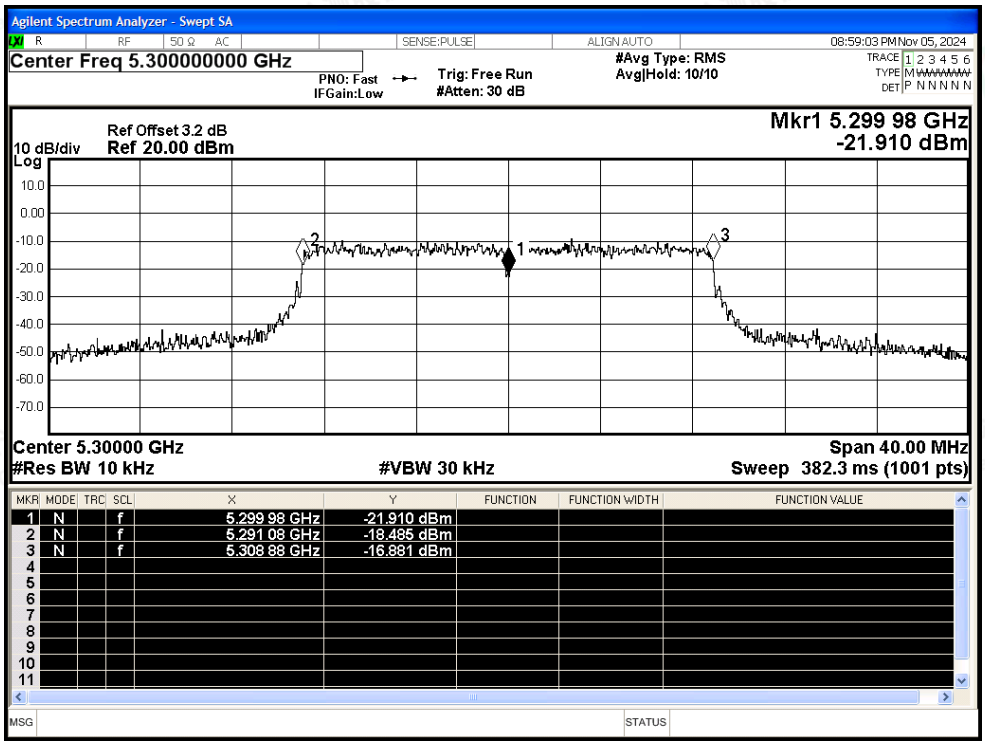

Freq. Stability NVNT n40 5310MHz Ant0



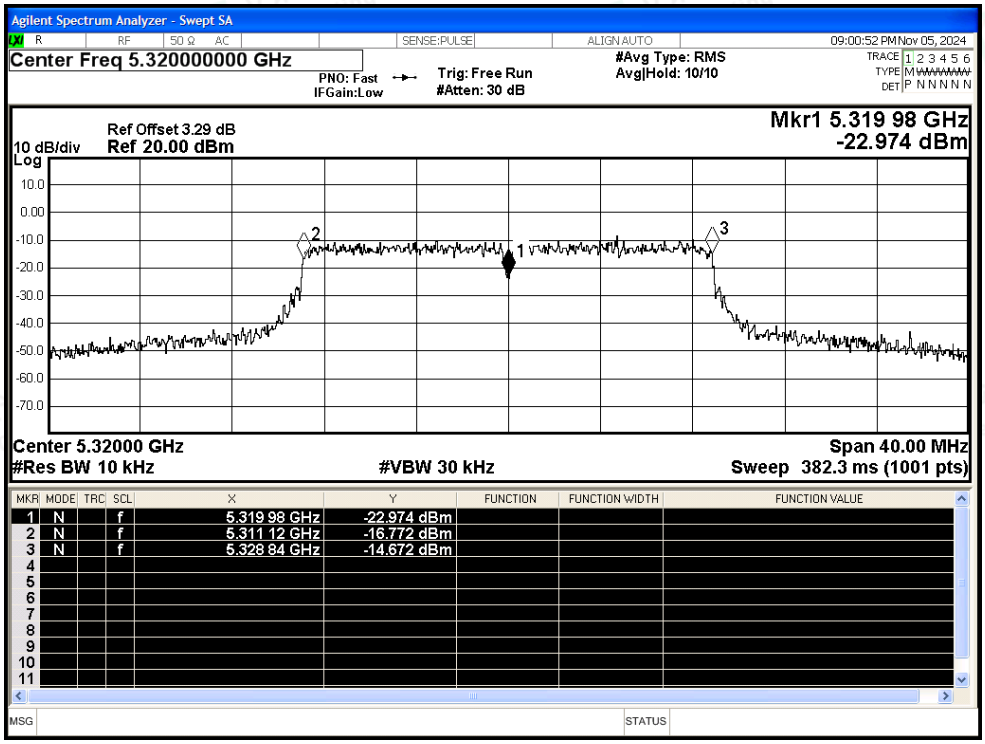
Freq. Stability NVNT ac20 5260MHz Ant0



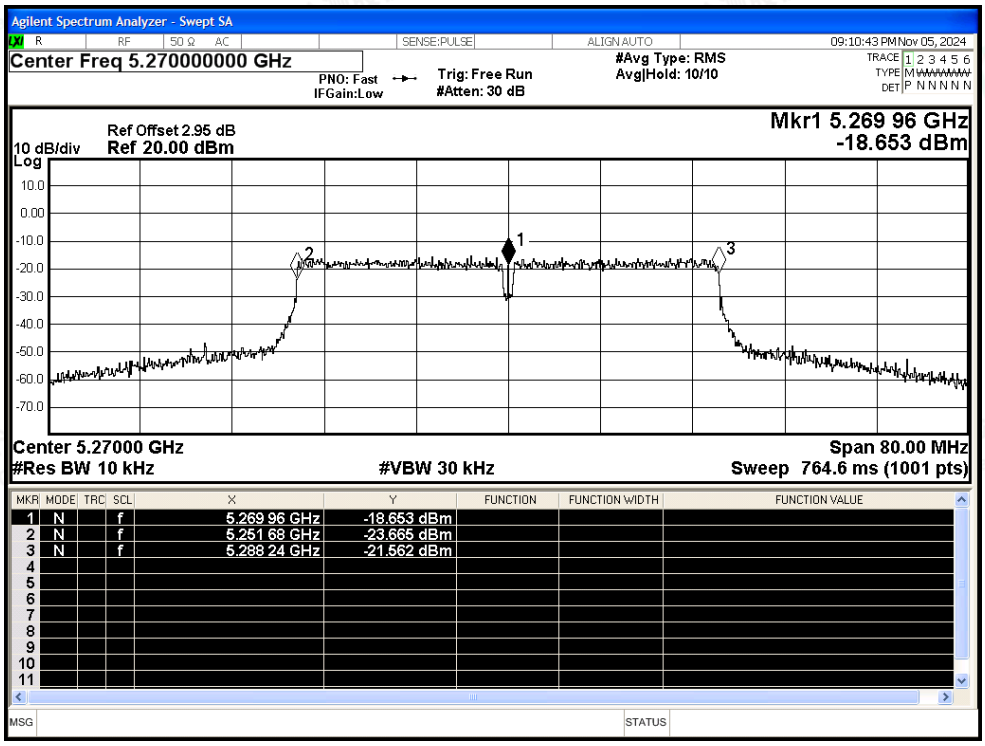

Freq. Stability NVNT ac20 5300MHz Ant0



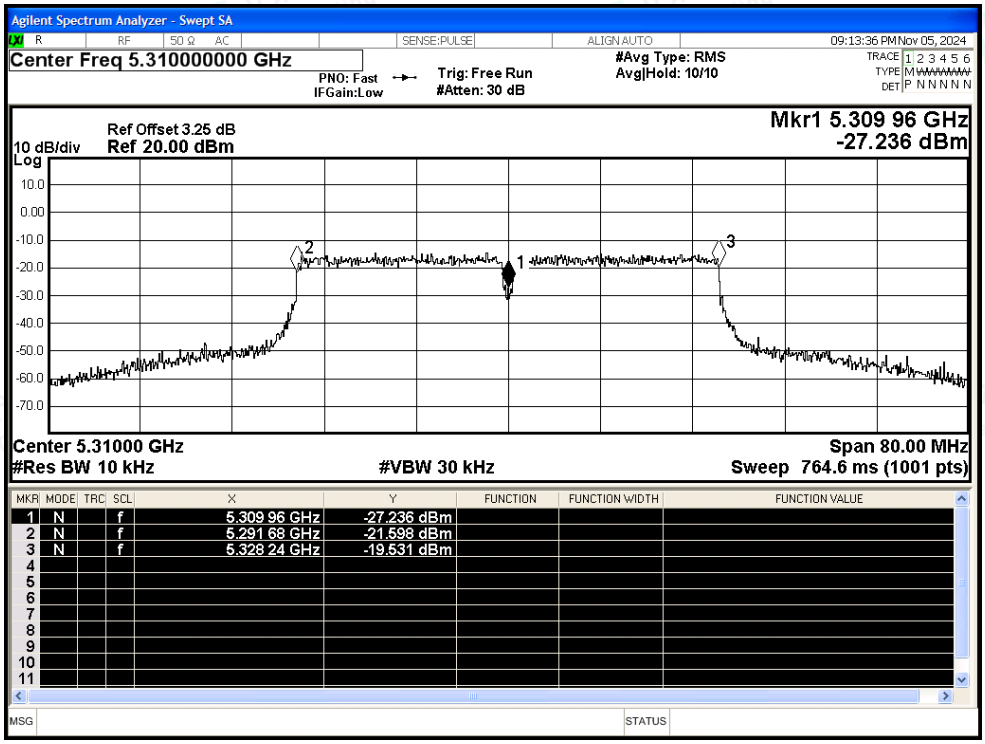
Freq. Stability NVNT ac20 5320MHz Ant0



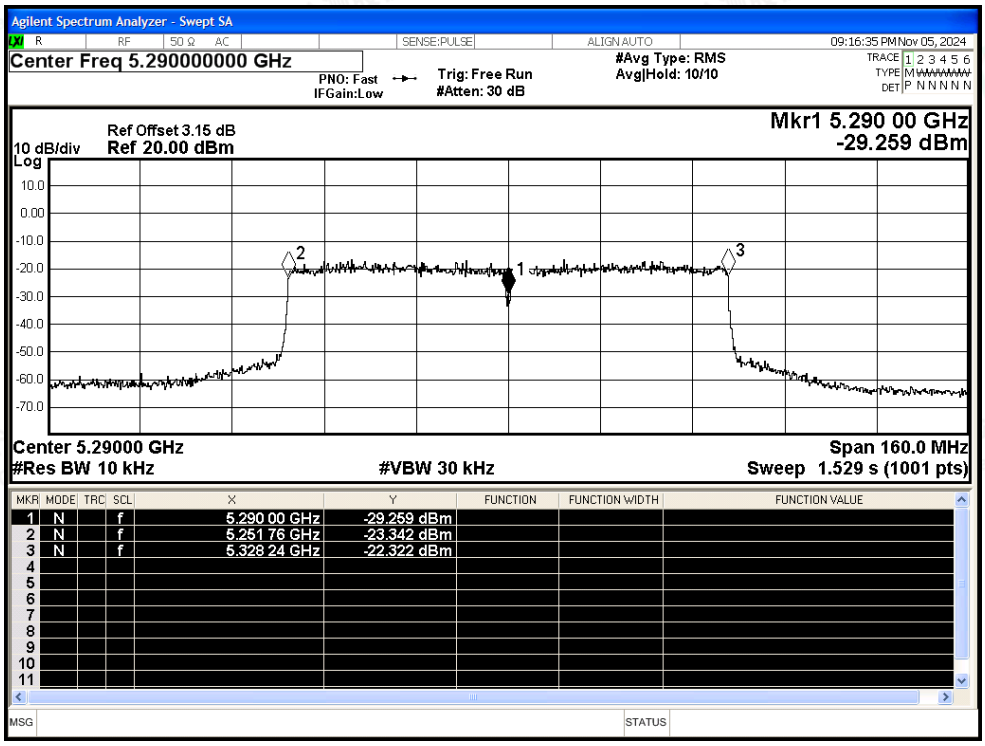

Freq. Stability NVNT ac40 5270MHz Ant0



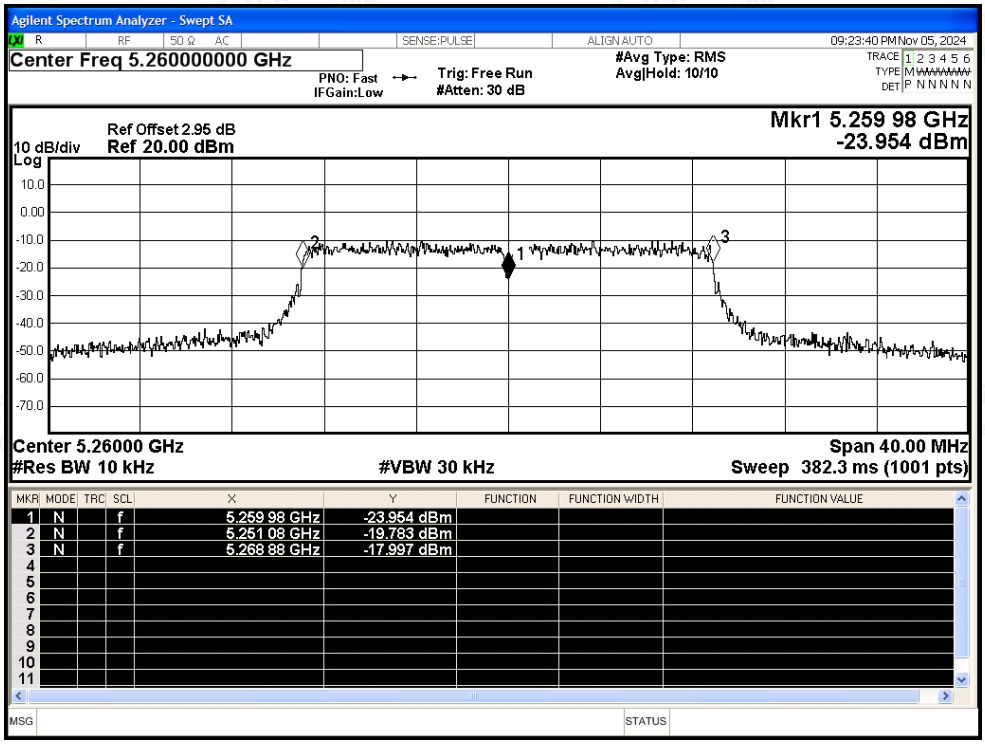
Freq. Stability NVNT ac40 5310MHz Ant0



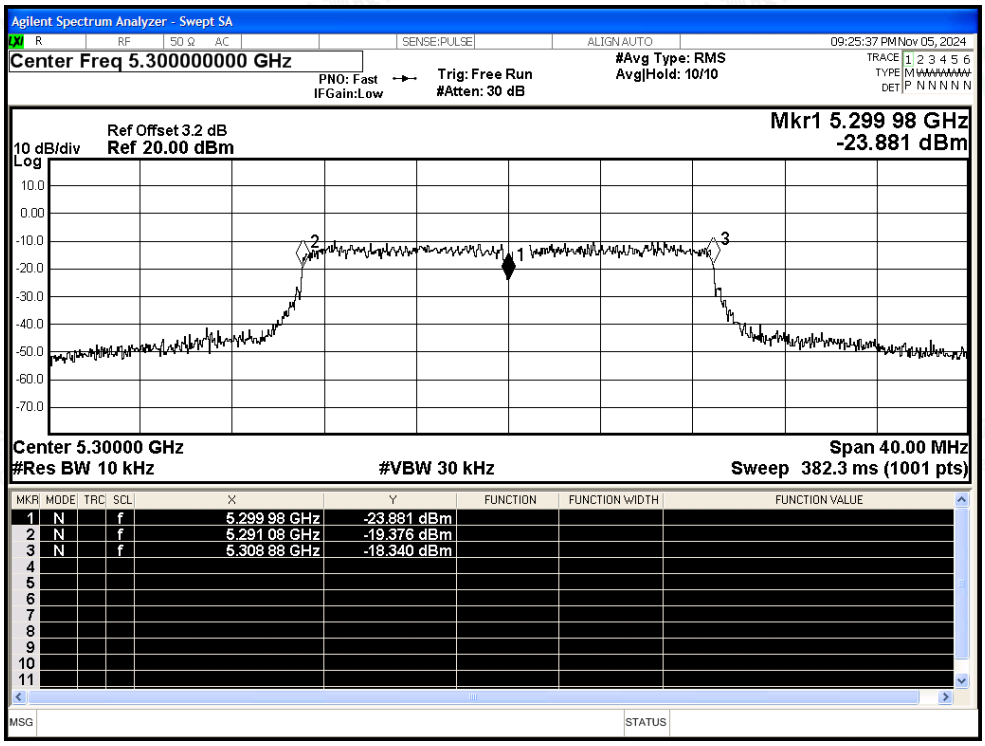

Freq. Stability NVNT ac80 5290MHz Ant0



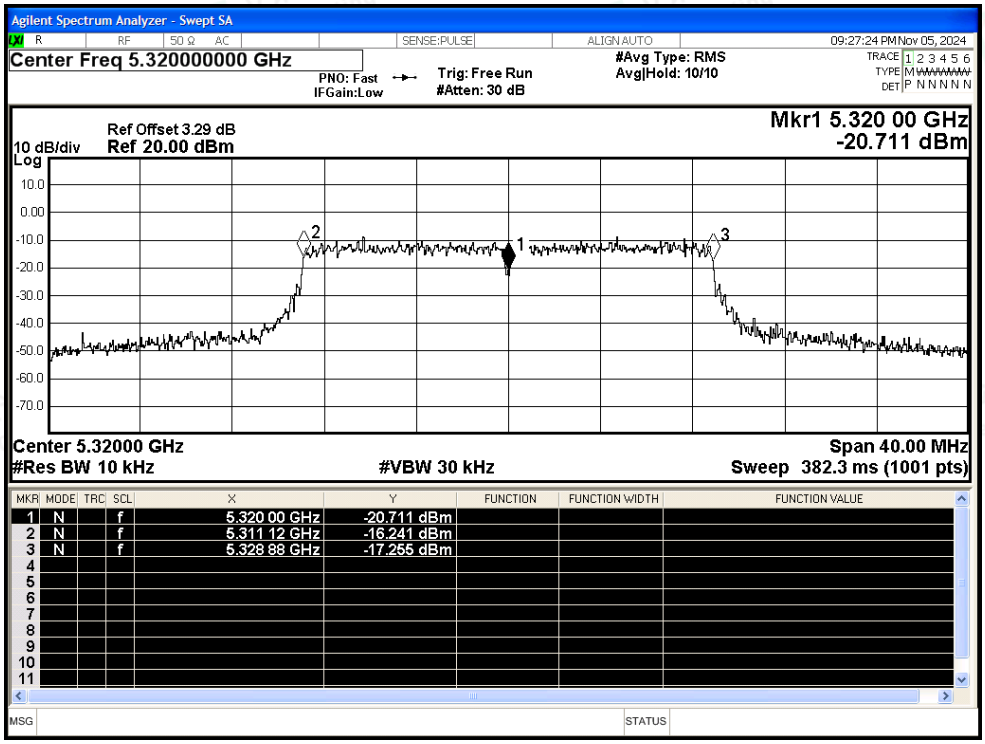
Freq. Stability NVNT ax20 5260MHz Ant0



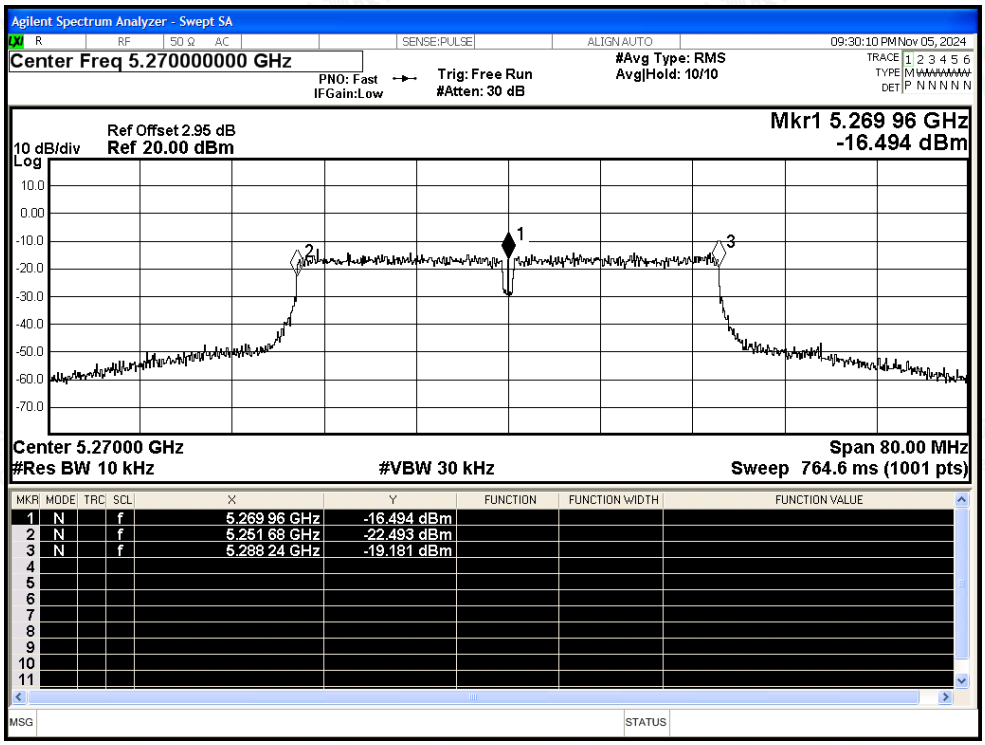

Freq. Stability NVNT ax20 5300MHz Ant0



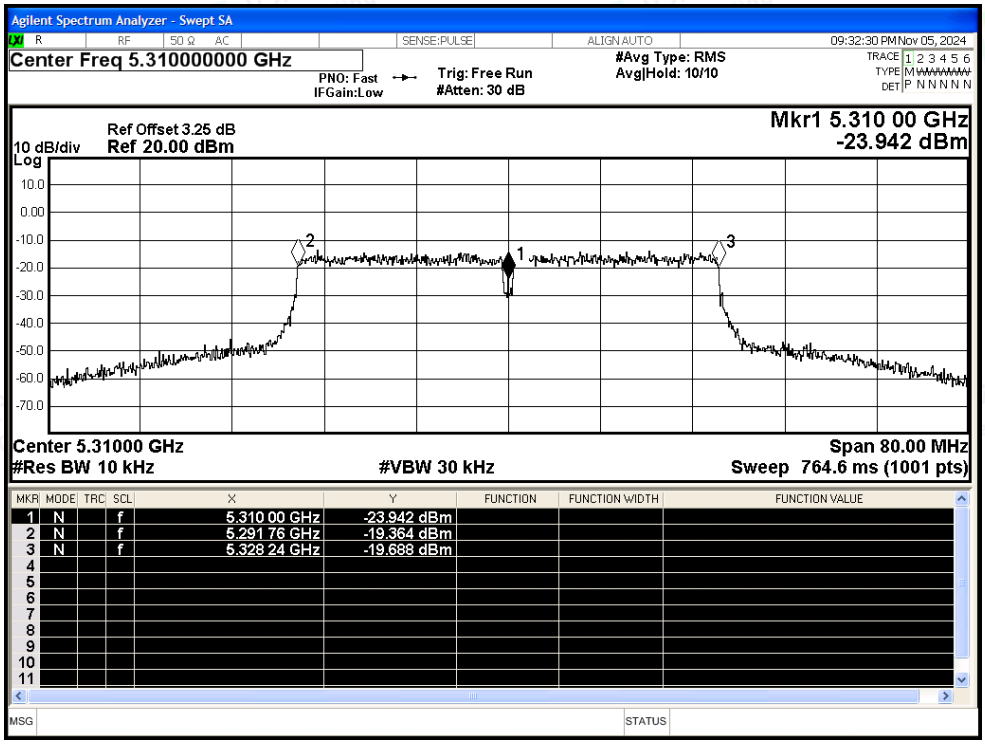
Freq. Stability NVNT ax20 5320MHz Ant0



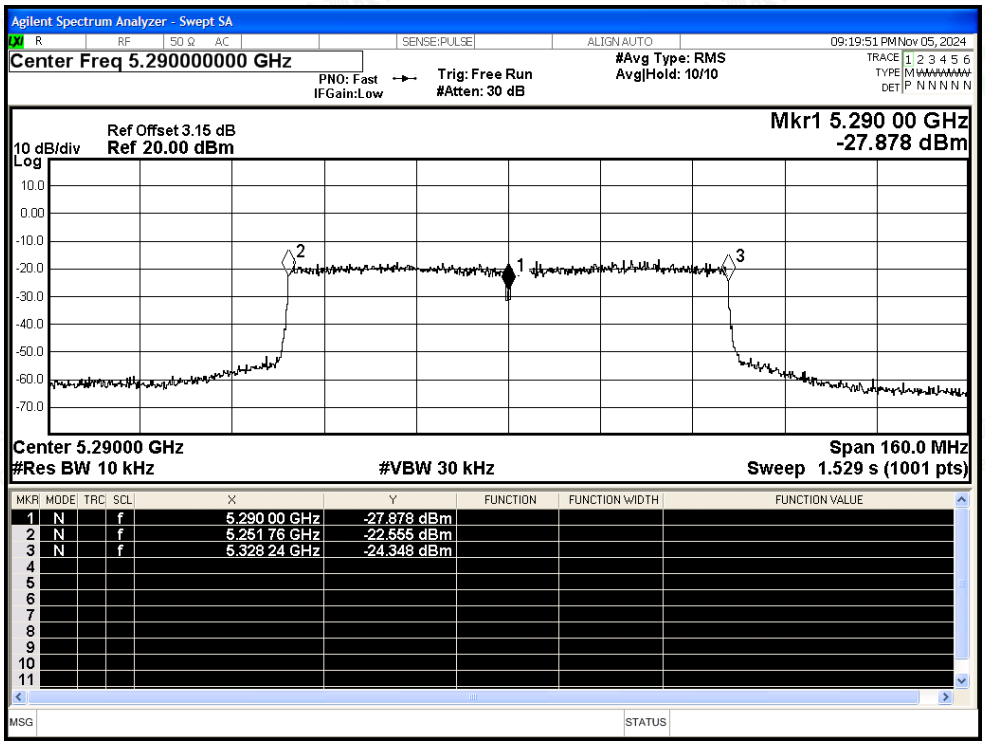

Freq. Stability NVNT ax40 5270MHz Ant0



Freq. Stability NVNT ax40 5310MHz Ant0



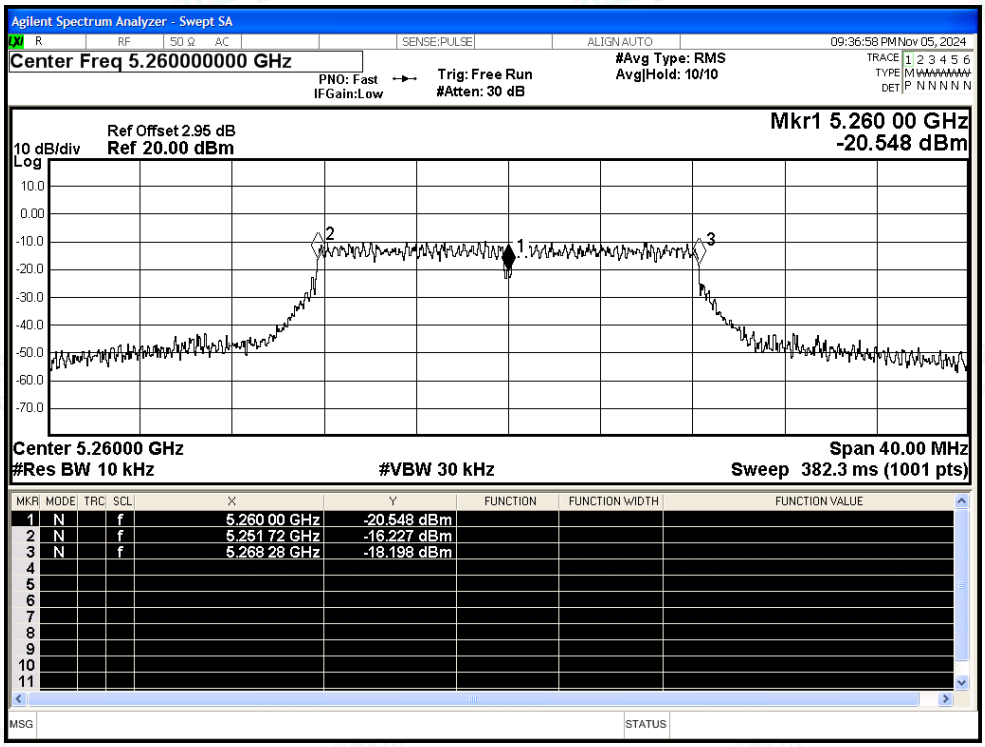

Freq. Stability NVNT ax80 5290MHz Ant0



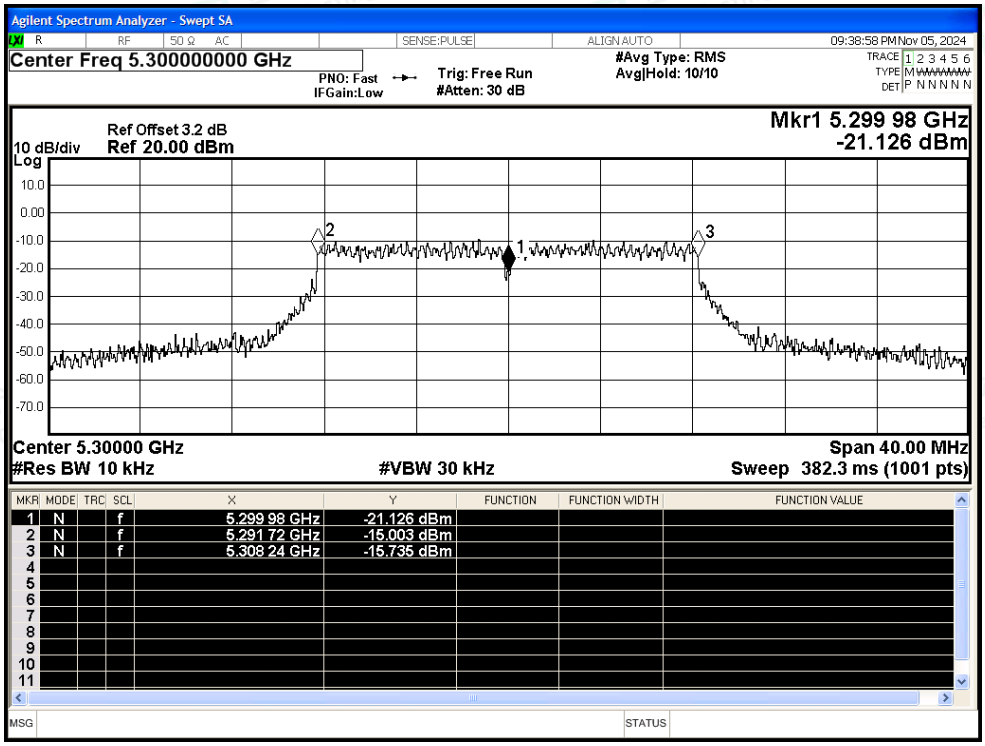
| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5260 | Ant1 | 5260 | 0 | 0 | 25 | Pass |
| NVNT | a | 5300 | Ant1 | 5299.98 | -20000 | -3.77 | 25 | Pass |
| NVNT | a | 5320 | Ant1 | 5319.98 | -20000 | -3.76 | 25 | Pass |
| NVNT | n20 | 5260 | Ant1 | 5259.98 | -20000 | -3.8 | 25 | Pass |
| NVNT | n20 | 5300 | Ant1 | 5300 | 0 | 0 | 25 | Pass |
| NVNT | n20 | 5320 | Ant1 | 5319.98 | -20000 | -3.76 | 25 | Pass |
| NVNT | n40 | 5270 | Ant1 | 5270 | 0 | 0 | 25 | Pass |
| NVNT | n40 | 5310 | Ant1 | 5310 | 0 | 0 | 25 | Pass |
| NVNT | ac20 | 5260 | Ant1 | 5259.96 | -40000 | -7.6 | 25 | Pass |
| NVNT | ac20 | 5300 | Ant1 | 5300 | 0 | 0 | 25 | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5319.98 | -20000 | -3.76 | 25 | Pass |
| NVNT | ac40 | 5270 | Ant1 | 5270 | 0 | 0 | 25 | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5309.96 | -40000 | -7.53 | 25 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5290 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5260 | Ant1 | 5260 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5300 | Ant1 | 5299.98 | -20000 | -3.77 | 25 | Pass |
| NVNT | ax20 | 5320 | Ant1 | 5319.96 | -40000 | -7.52 | 25 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 5269.96 | -40000 | -7.59 | 25 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5310 | 0 | 0 | 25 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5290 | 0 | 0 | 25 | Pass |

Test Graphs

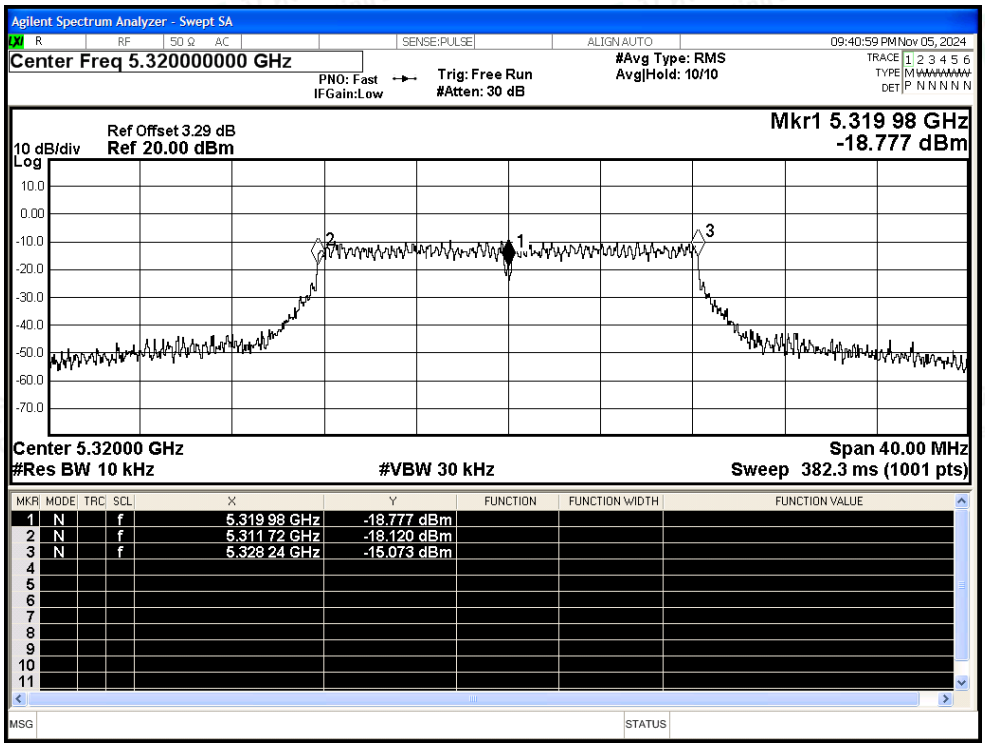
Freq. Stability NVNT a 5260MHz Ant1



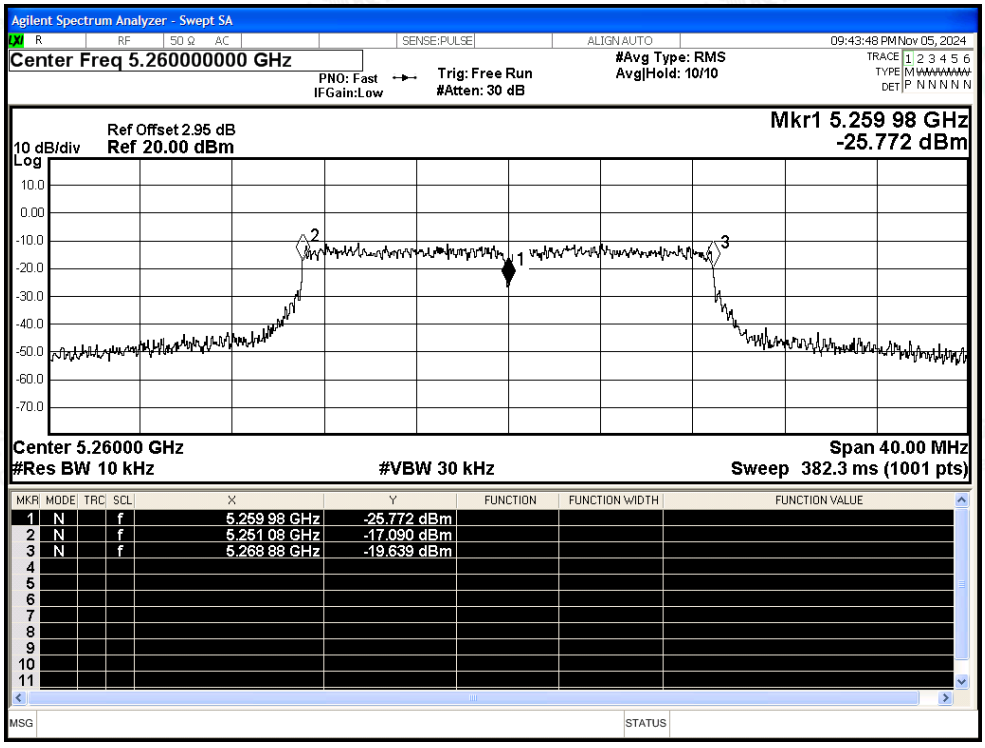

Freq. Stability NVNT a 5300MHz Ant1



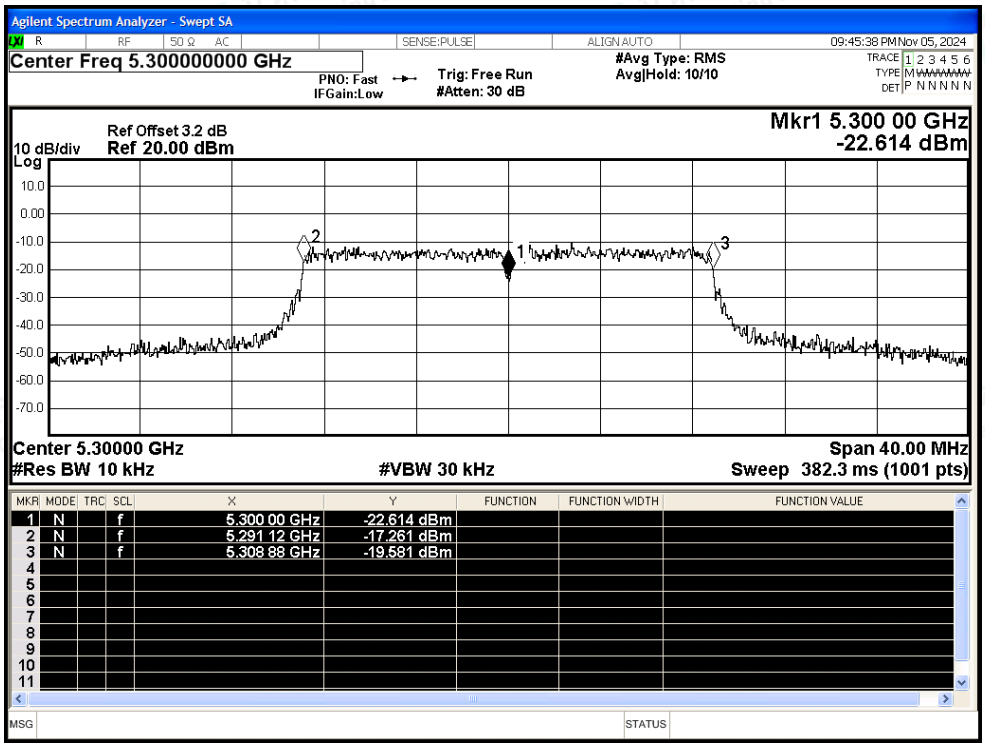
Freq. Stability NVNT a 5320MHz Ant1



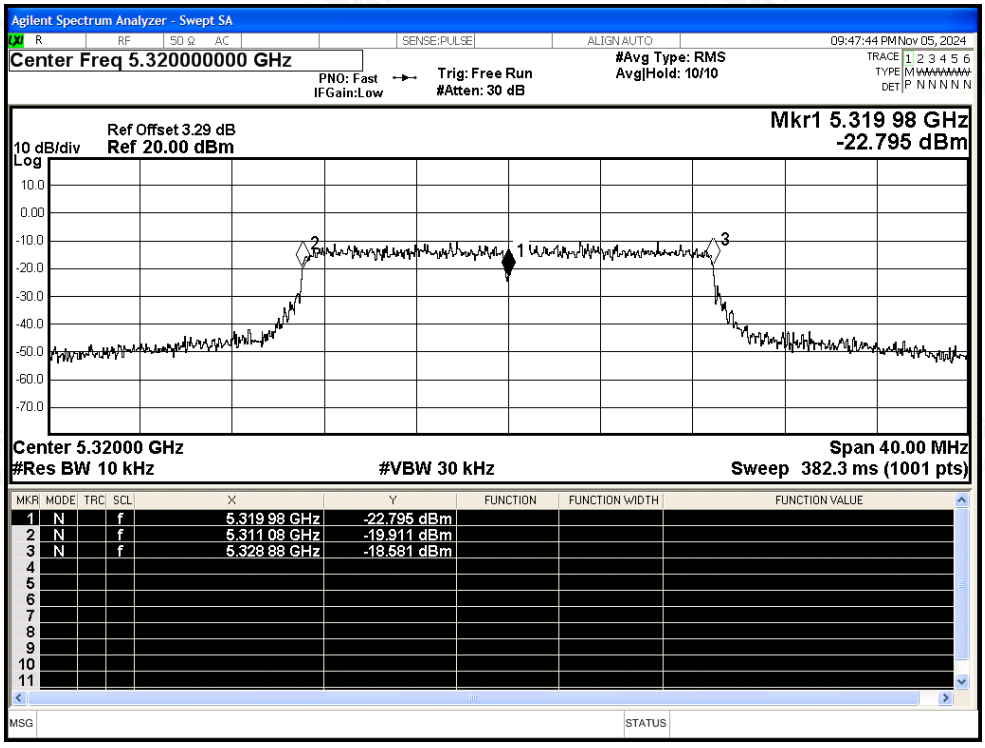

Freq. Stability NVNT n20 5260MHz Ant1



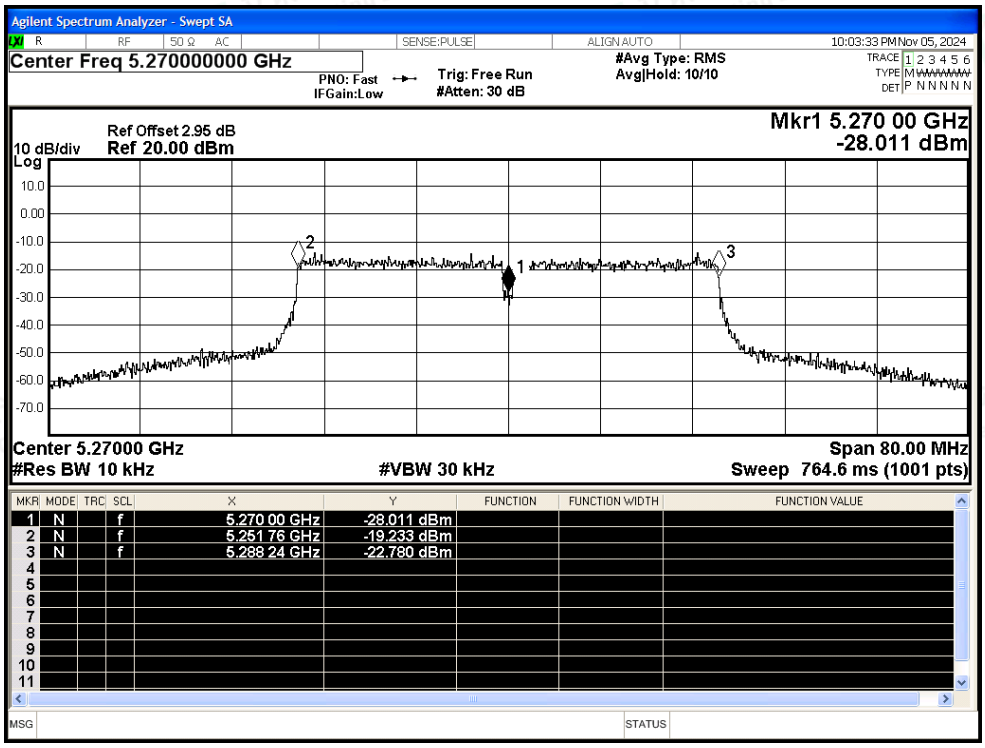
Freq. Stability NVNT n20 5300MHz Ant1



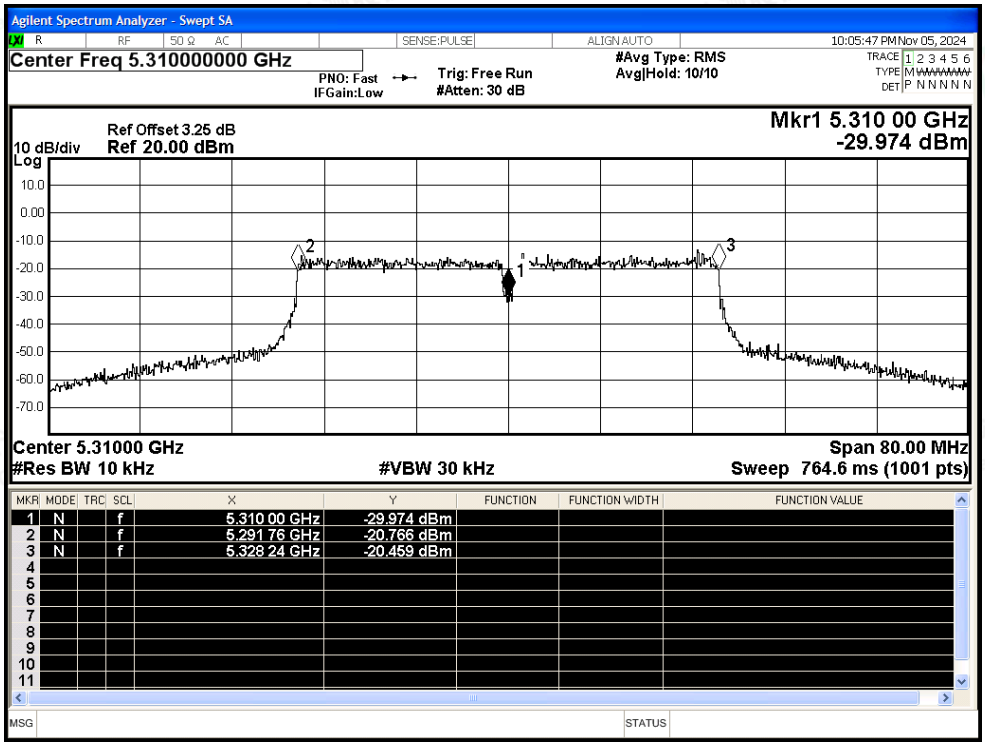

Freq. Stability NVNT n20 5320MHz Ant1



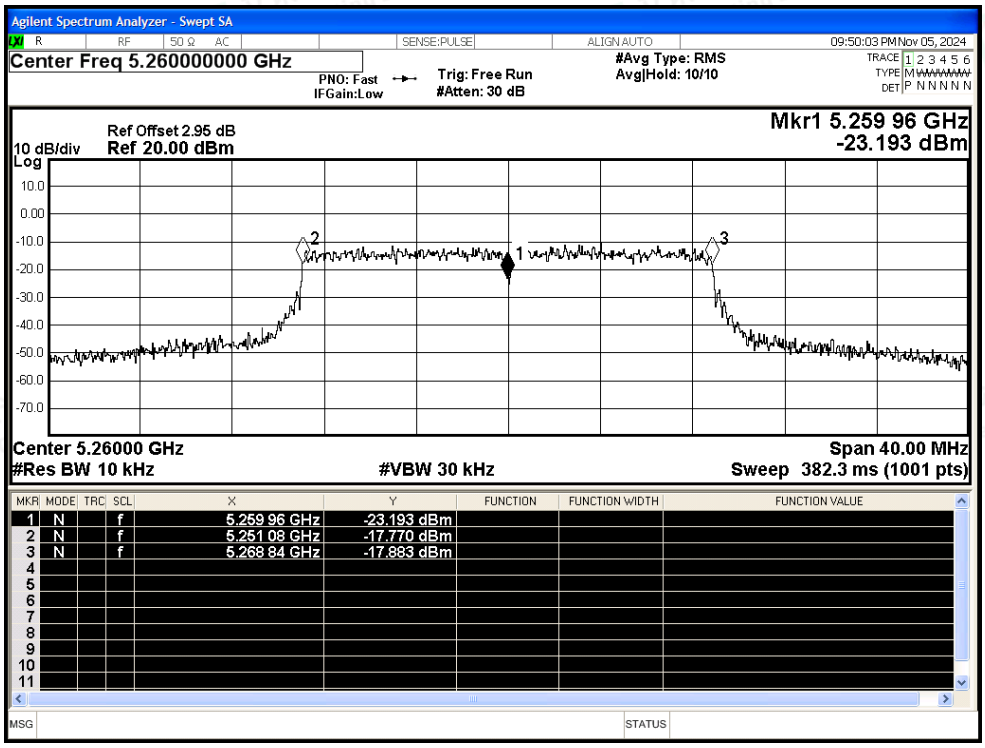
Freq. Stability NVNT n40 5270MHz Ant1



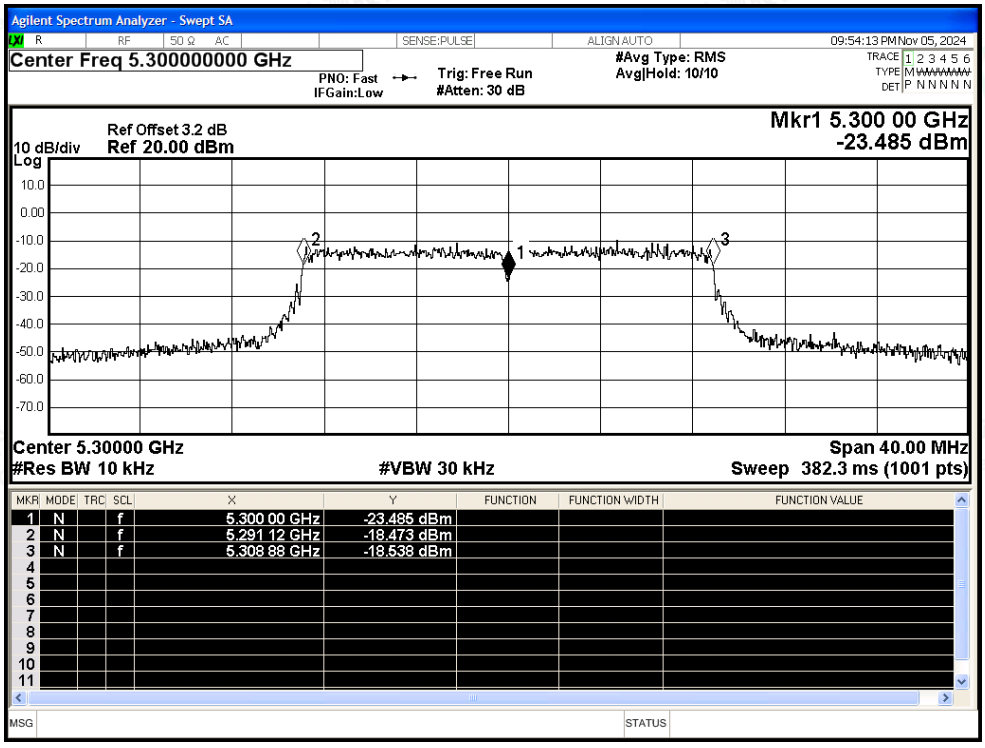

Freq. Stability NVNT n40 5310MHz Ant1



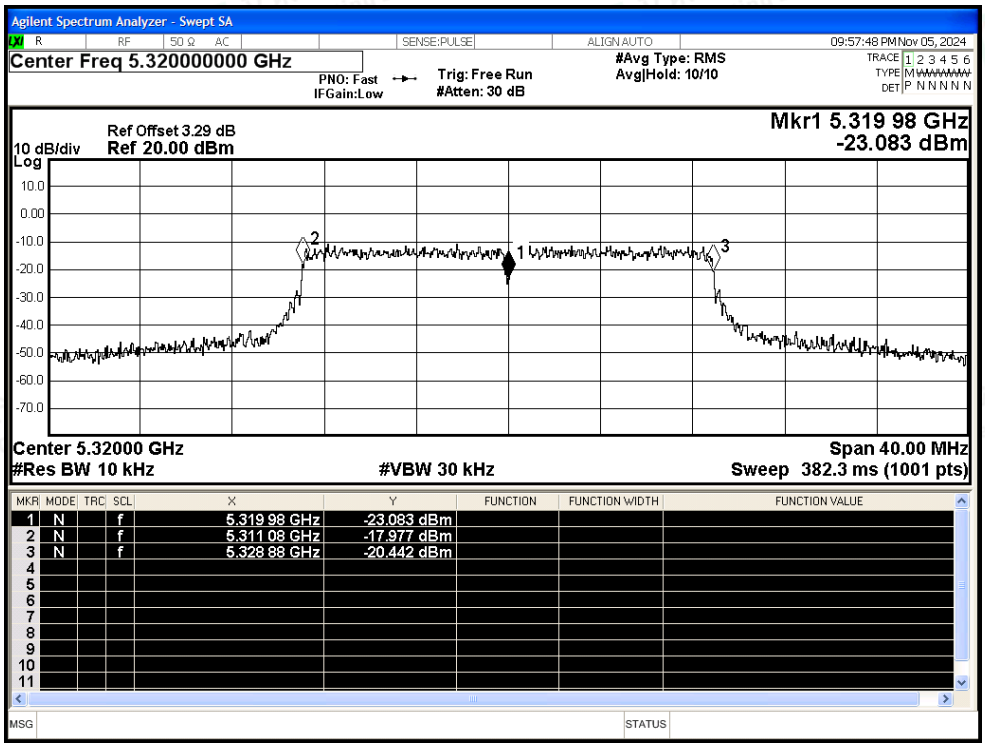
Freq. Stability NVNT ac20 5260MHz Ant1



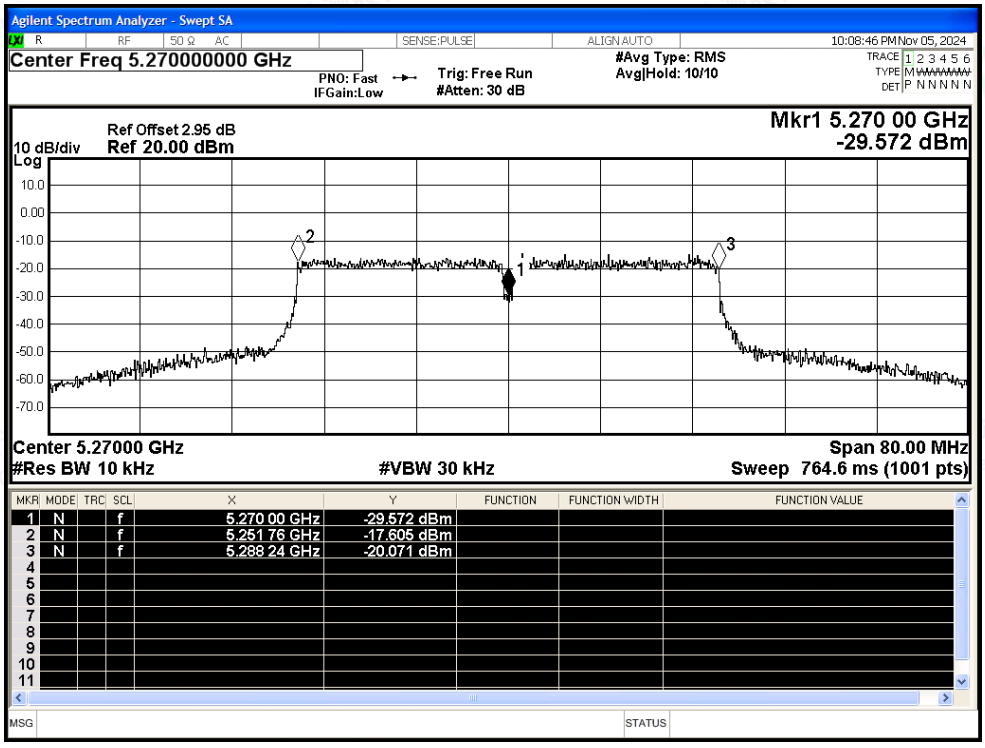

Freq. Stability NVNT ac20 5300MHz Ant1



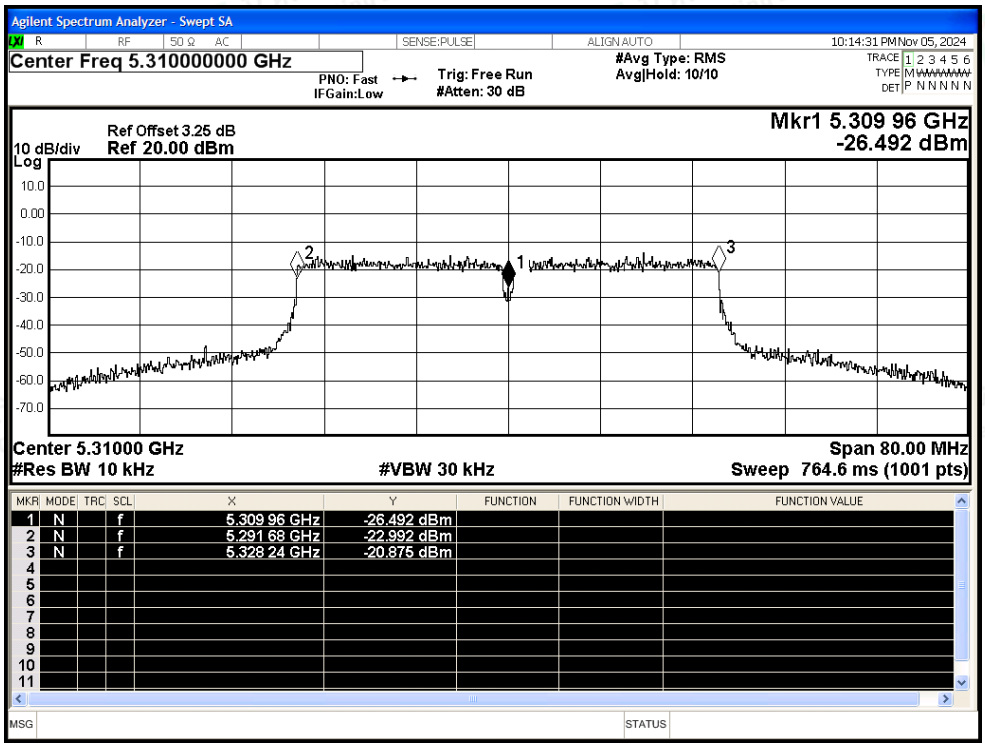
Freq. Stability NVNT ac20 5320MHz Ant1



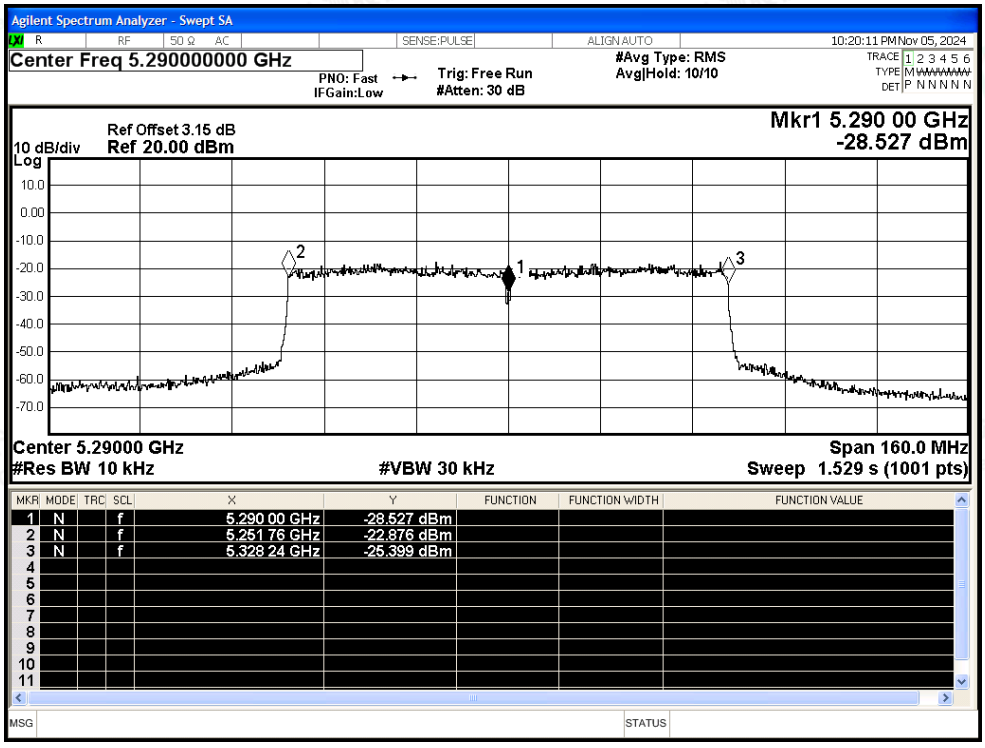

Freq. Stability NVNT ac40 5270MHz Ant1



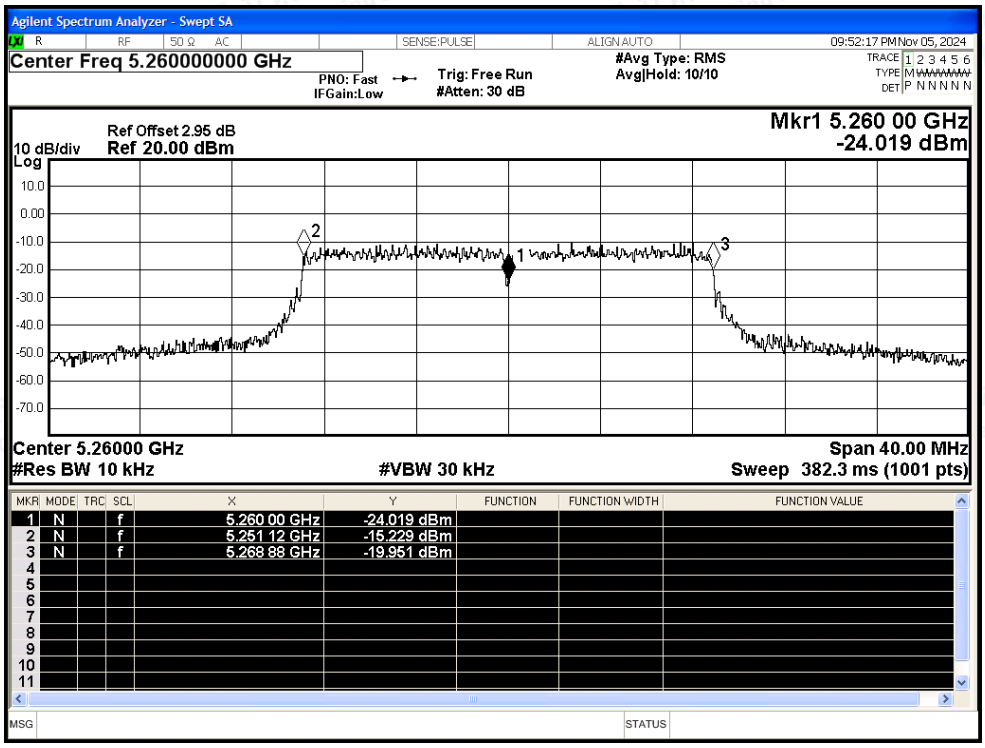
Freq. Stability NVNT ac40 5310MHz Ant1



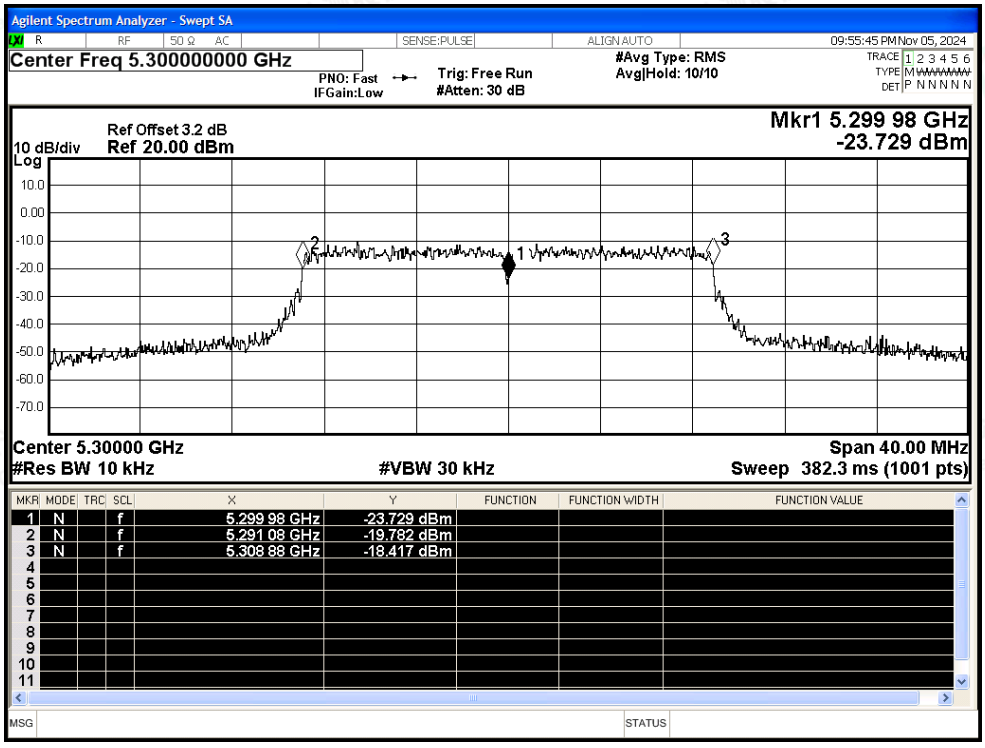

Freq. Stability NVNT ac80 5290MHz Ant1



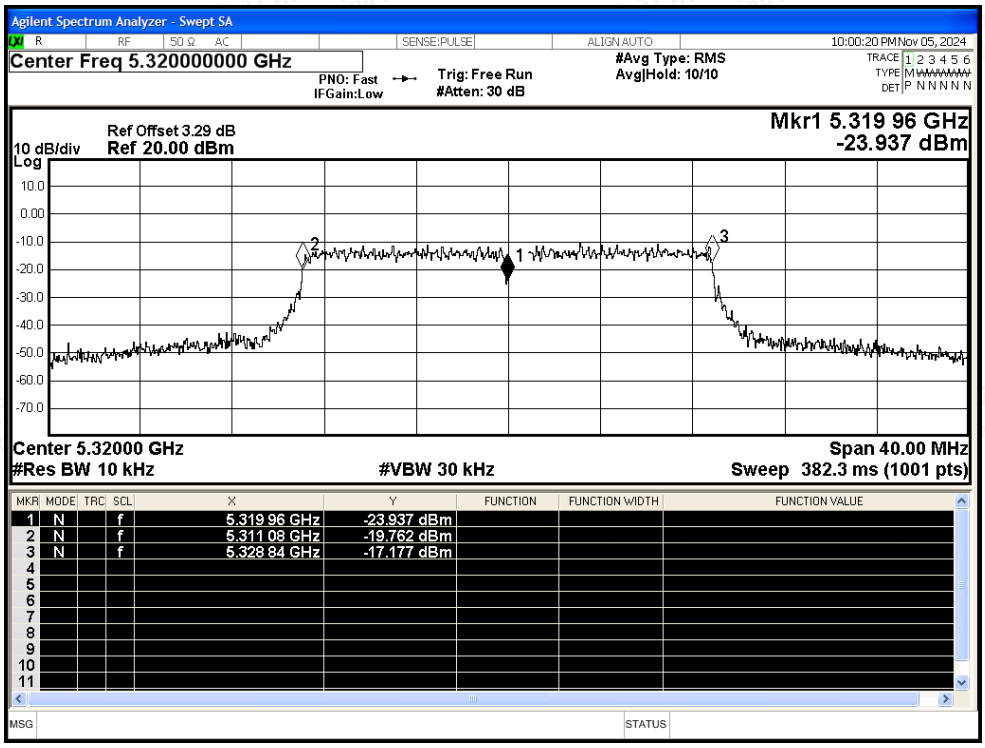
Freq. Stability NVNT ax20 5260MHz Ant1



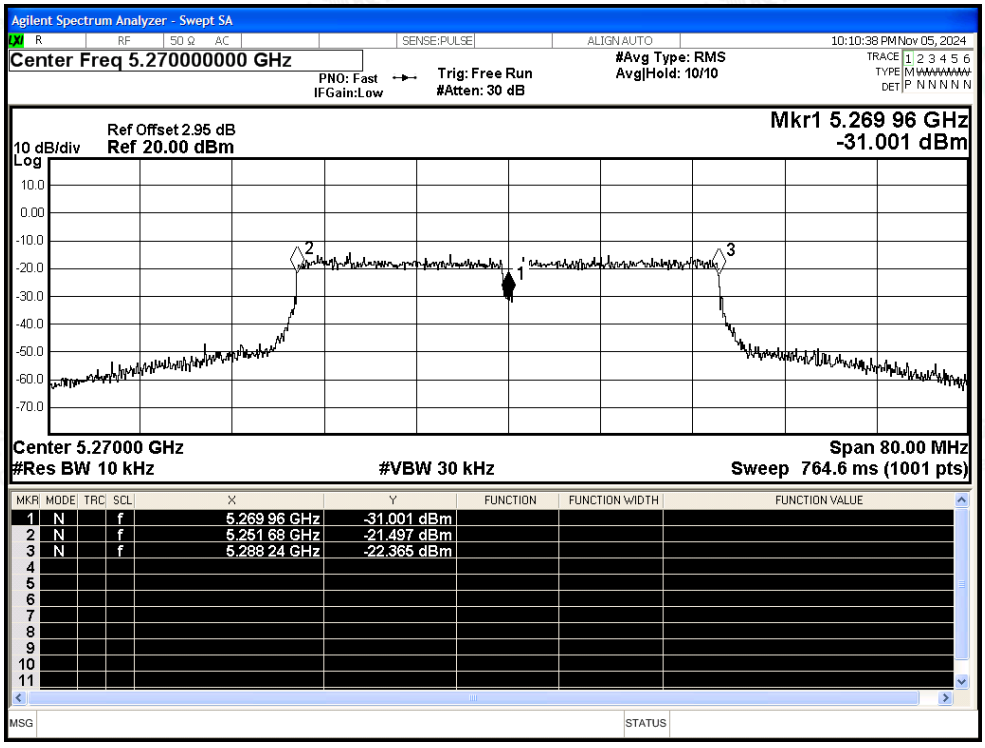

Freq. Stability NVNT ax20 5300MHz Ant1



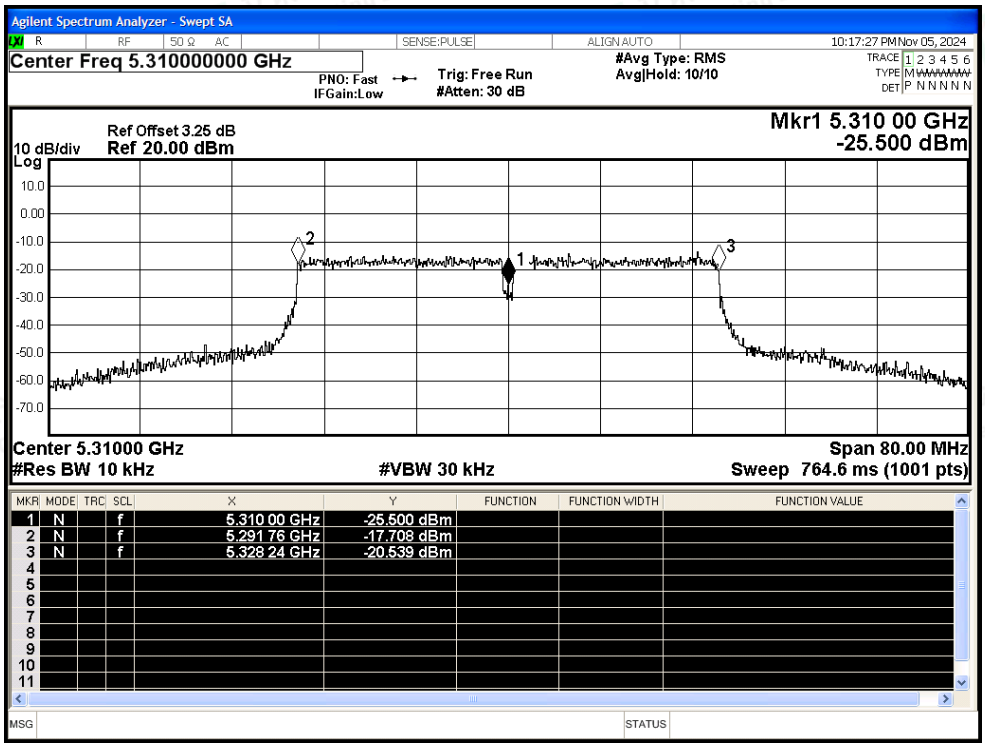
Freq. Stability NVNT ax20 5320MHz Ant1



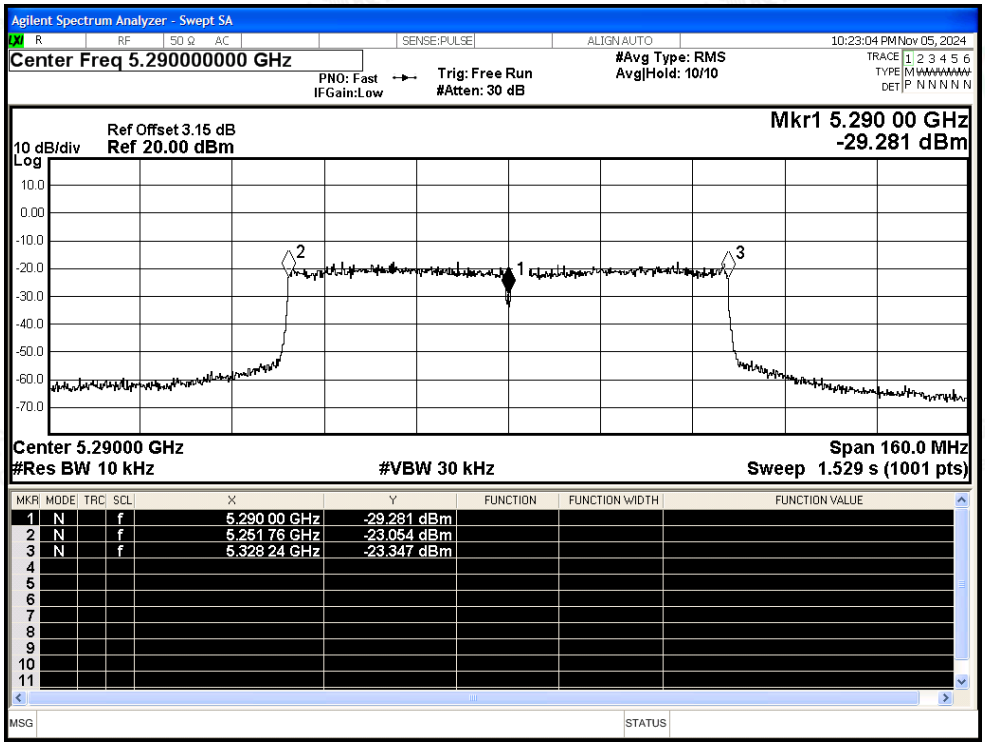

Freq. Stability NVNT ax40 5270MHz Ant1



Freq. Stability NVNT ax40 5310MHz Ant1




Freq. Stability NVNT ax80 5290MHz Ant1

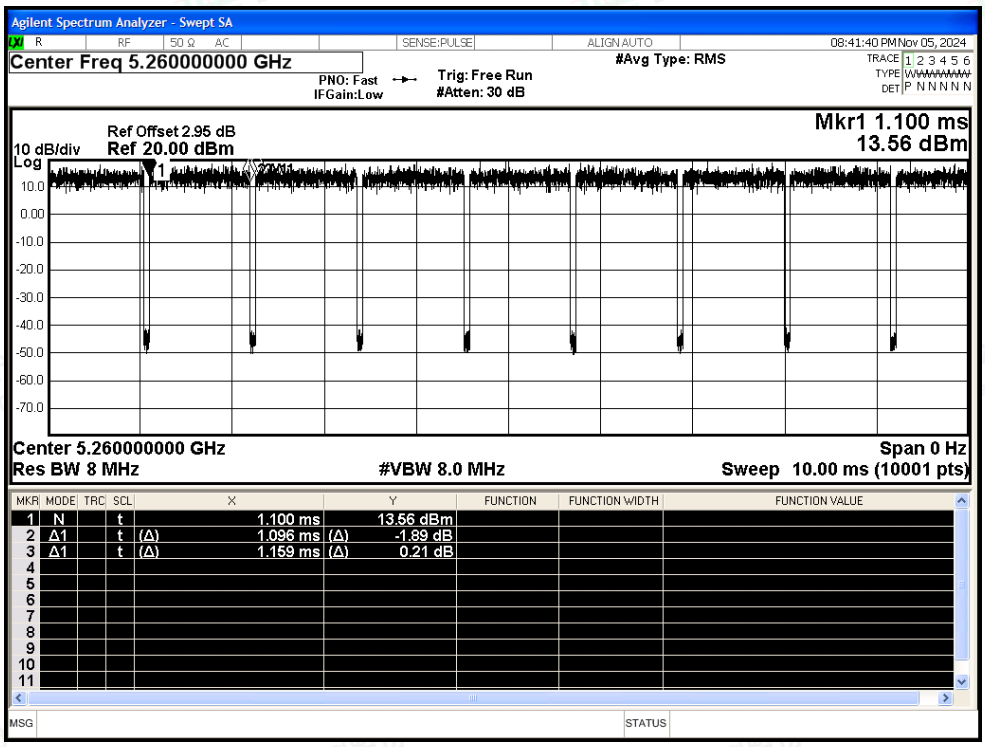


# E.6 Duty Cycle

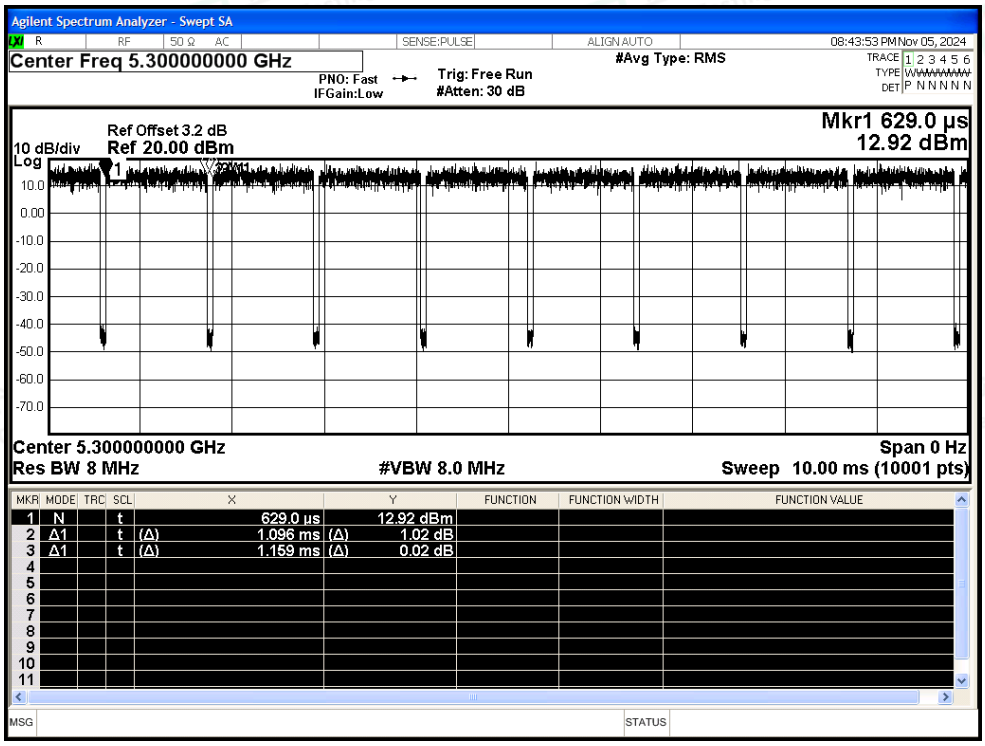
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|---|---|---|---|---|---|---|
| NVNT | a | 5260 | Ant0 | 94.56 | 0.24 | 0.91 |
| NVNT | a | 5300 | Ant0 | 94.56 | 0.24 | 0.91 |
| NVNT | a | 5320 | Ant0 | 94.56 | 0.24 | 0.91 |
| NVNT | n20 | 5260 | Ant0 | 97.29 | 0.12 | 0.44 |
| NVNT | n20 | 5300 | Ant0 | 97.29 | 0.12 | 0.44 |
| NVNT | n20 | 5320 | Ant0 | 97.29 | 0.12 | 0.44 |
| NVNT | n40 | 5270 | Ant0 | 97.18 | 0.12 | 0.46 |
| NVNT | n40 | 5310 | Ant0 | 97.23 | 0.12 | 0.46 |
| NVNT | ac20 | 5260 | Ant0 | 97.34 | 0.12 | 0.44 |
| NVNT | ac20 | 5300 | Ant0 | 97.34 | 0.12 | 0.44 |
| NVNT | ac20 | 5320 | Ant0 | 97.34 | 0.12 | 0.44 |
| NVNT | ac40 | 5270 | Ant0 | 97.19 | 0.12 | 0.46 |
| NVNT | ac40 | 5310 | Ant0 | 97.24 | 0.12 | 0.46 |
| NVNT | ac80 | 5290 | Ant0 | 94.41 | 0.25 | 0.97 |
| NVNT | ax20 | 5260 | Ant0 | 97.34 | 0.12 | 0.44 |
| NVNT | ax20 | 5300 | Ant0 | 97.34 | 0.12 | 0.44 |
| NVNT | ax20 | 5320 | Ant0 | 97.34 | 0.12 | 0.44 |
| NVNT | ax40 | 5270 | Ant0 | 94.81 | 0.23 | 0.9 |
| NVNT | ax40 | 5310 | Ant0 | 94.72 | 0.24 | 0.9 |
| NVNT | ax80 | 5290 | Ant0 | 94.32 | 0.25 | 0.97 |

Test Graphs

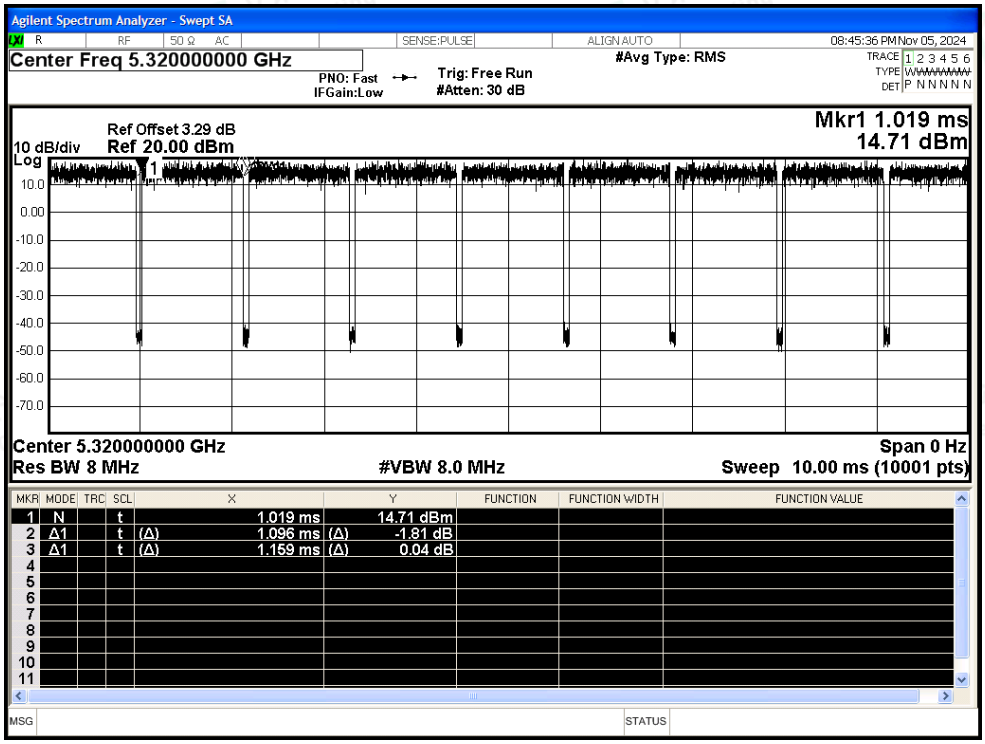
Duty Cycle NVNT a 5260MHz Ant0



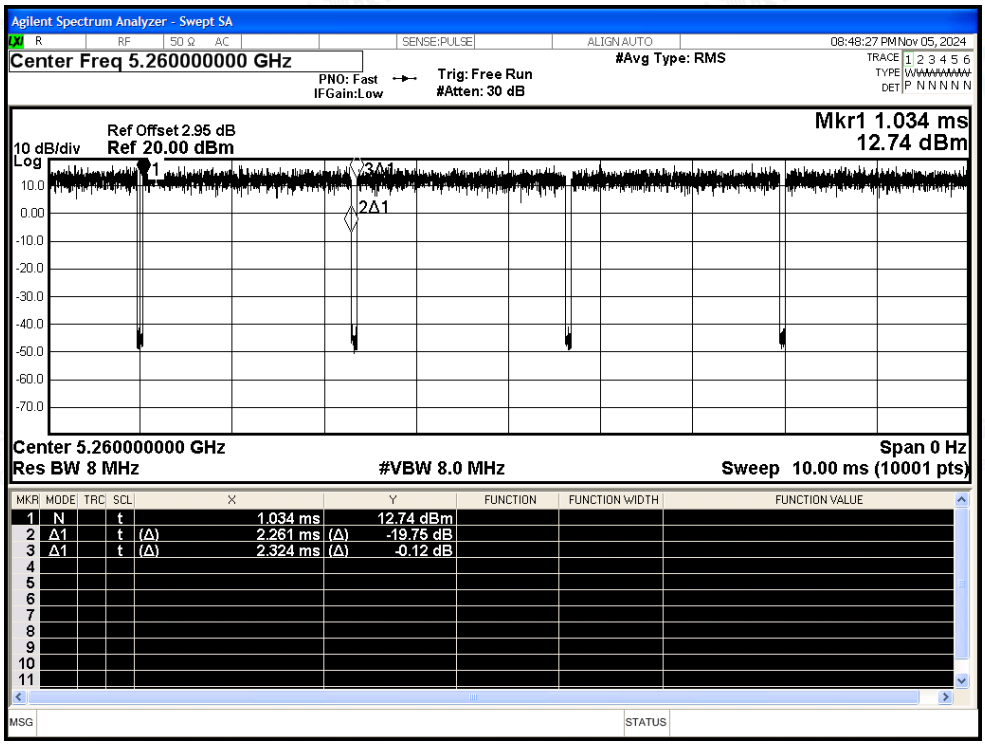

Duty Cycle NVNT a 5300MHz Ant0



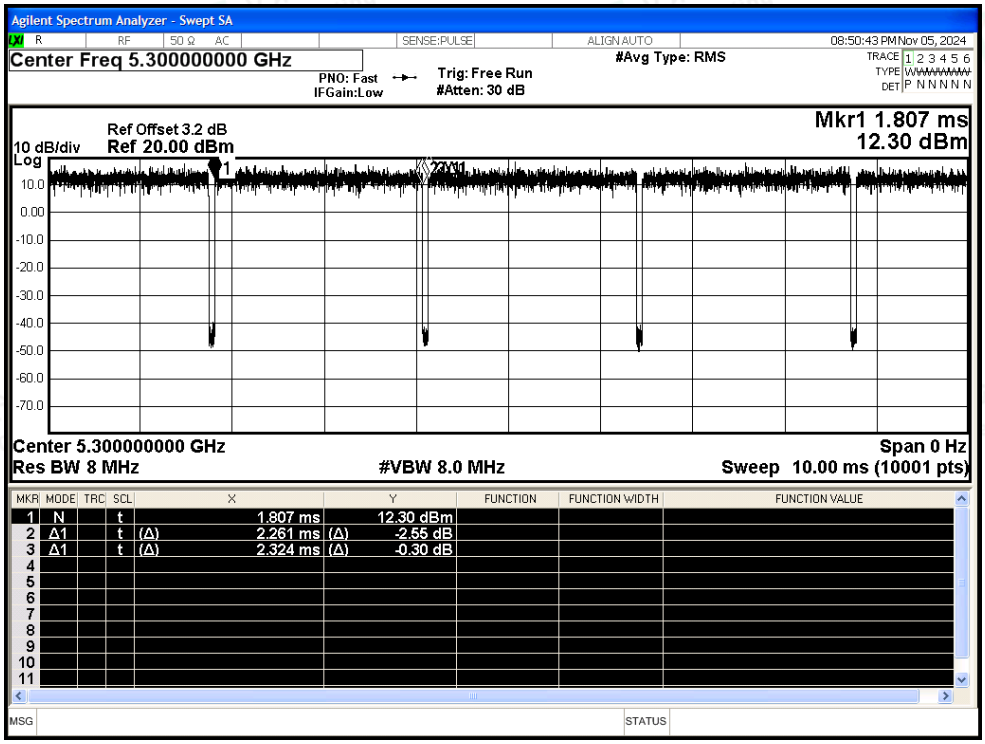
Duty Cycle NVNT a 5320MHz Ant0



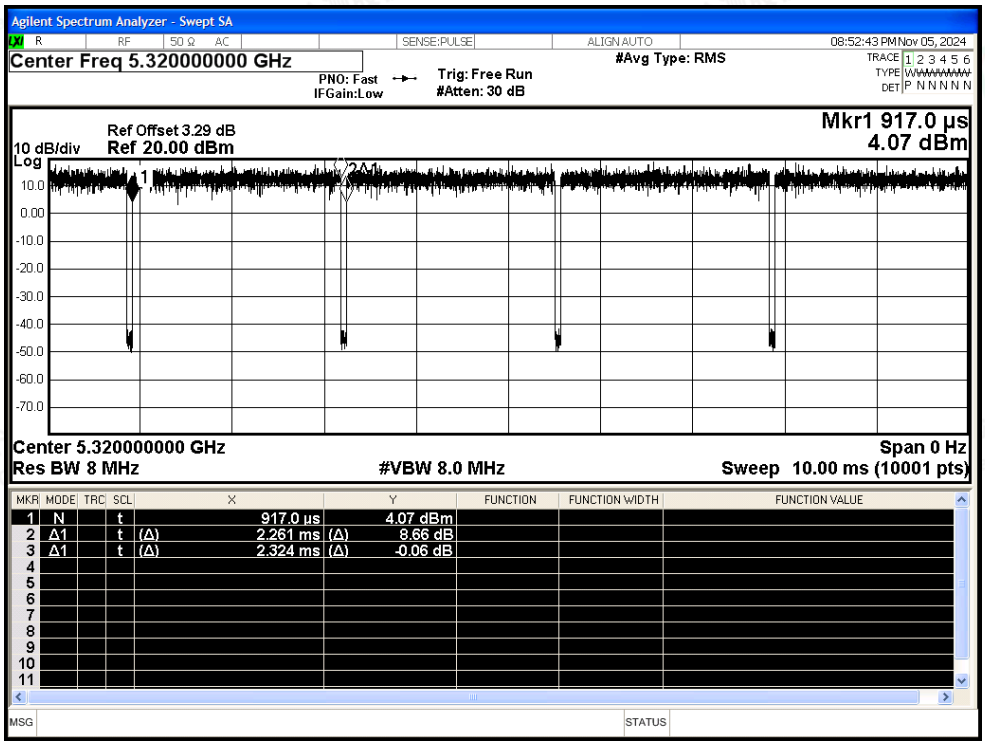

Duty Cycle NVNT n20 5260MHz Ant0



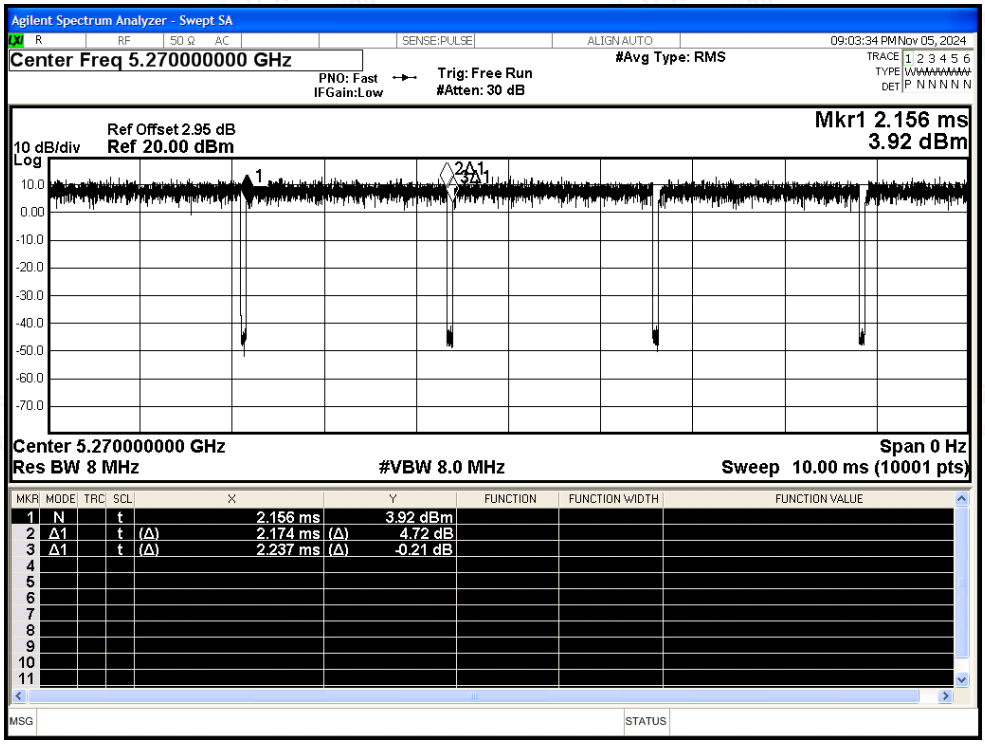
Duty Cycle NVNT n20 5300MHz Ant0



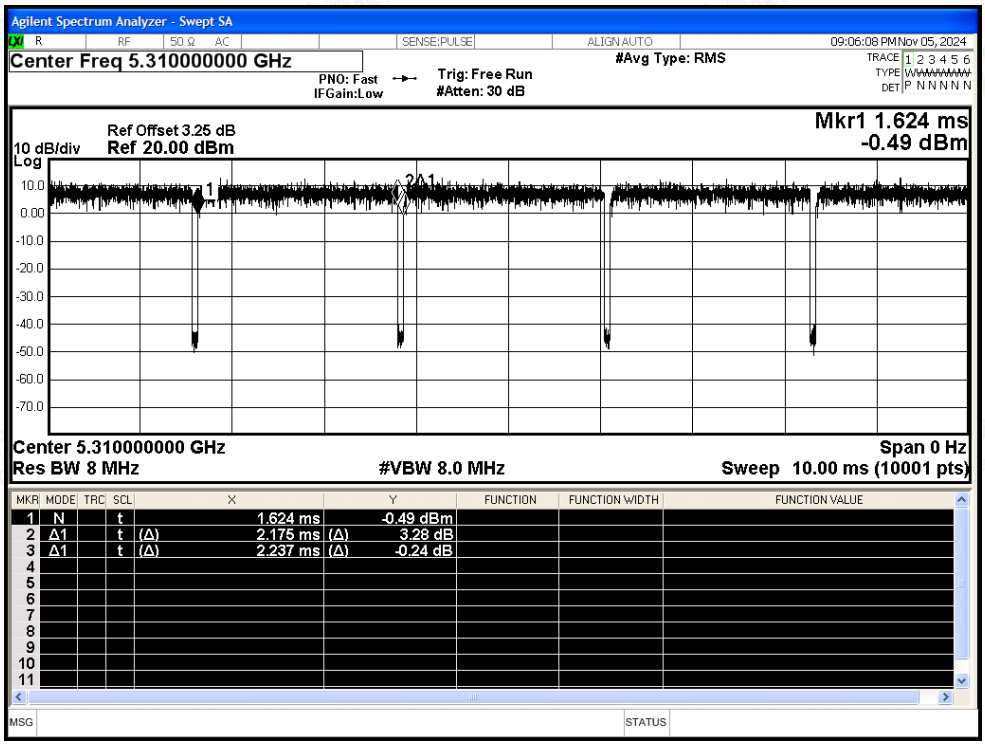

Duty Cycle NVNT n20 5320MHz Ant0



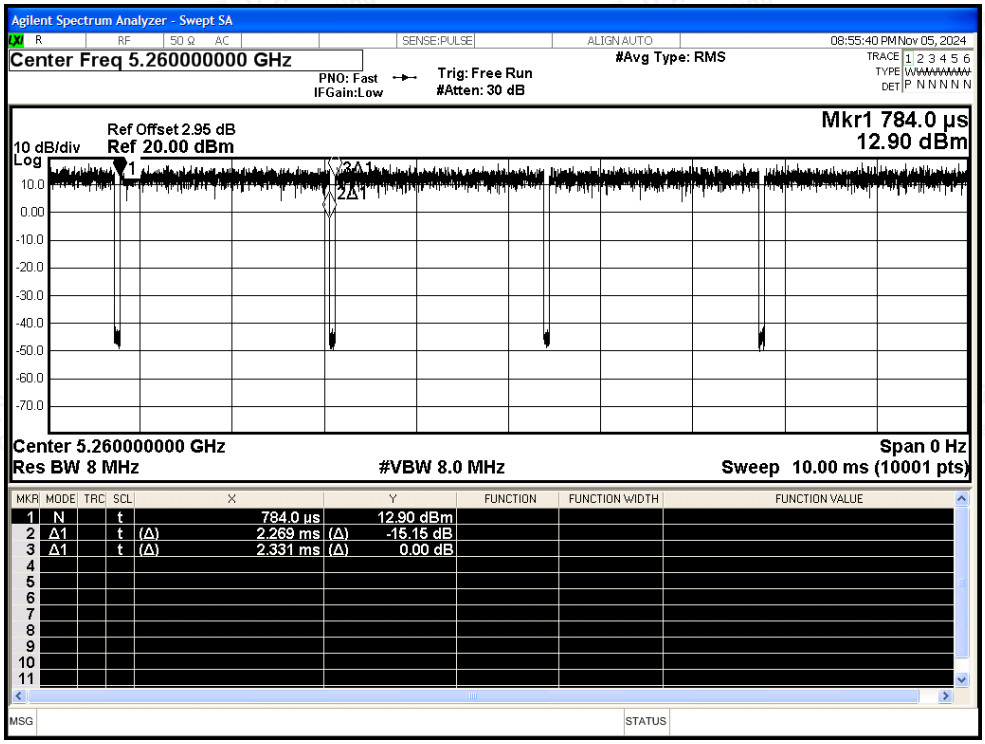
Duty Cycle NVNT n40 5270MHz Ant0



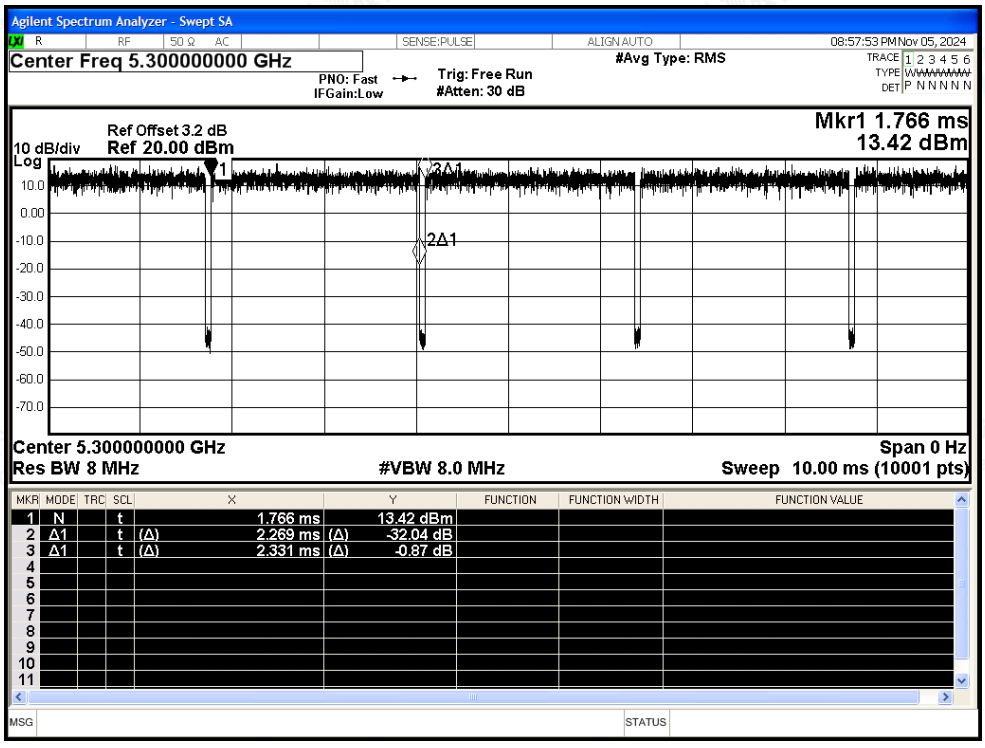

Duty Cycle NVNT n40 5310MHz Ant0



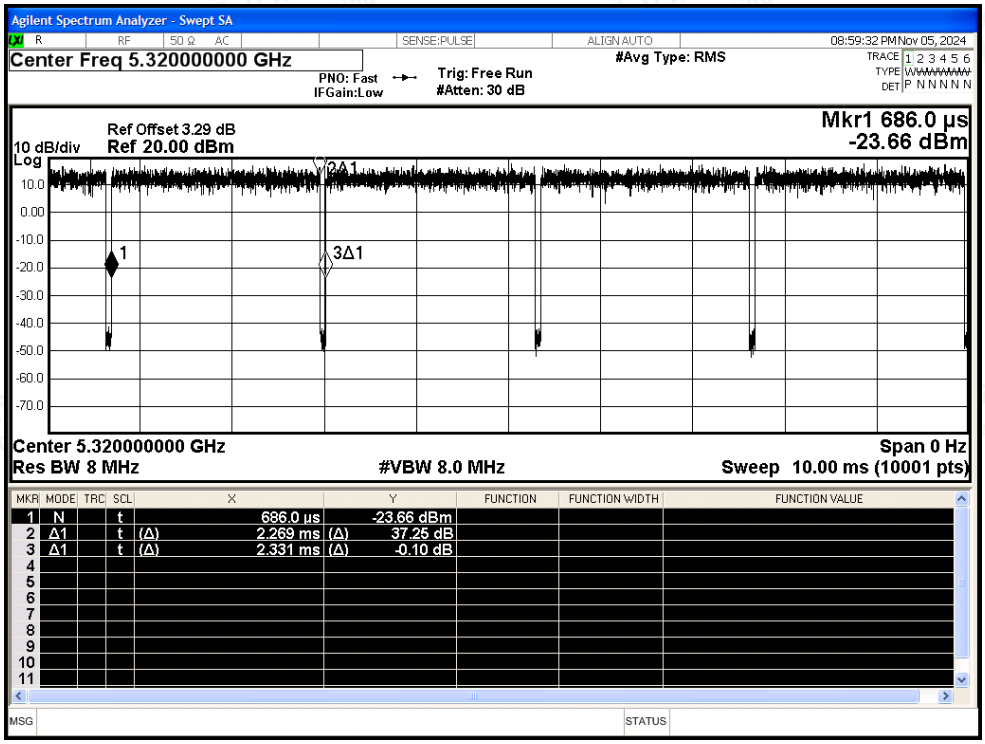
Duty Cycle NVNT ac20 5260MHz Ant0



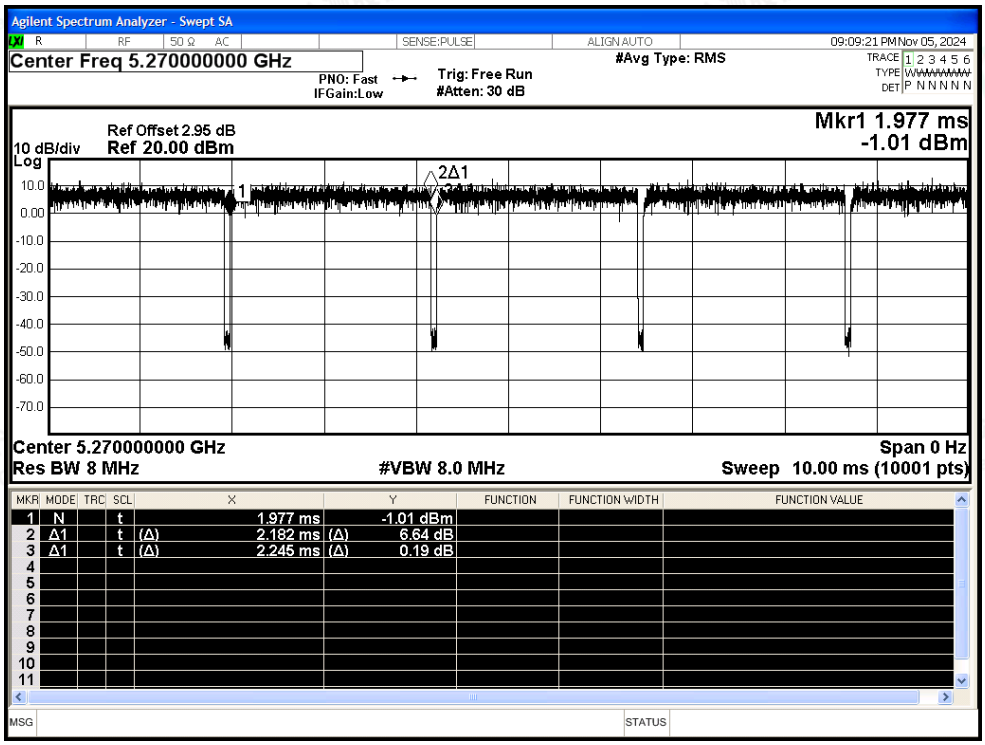

Duty Cycle NVNT ac20 5300MHz Ant0



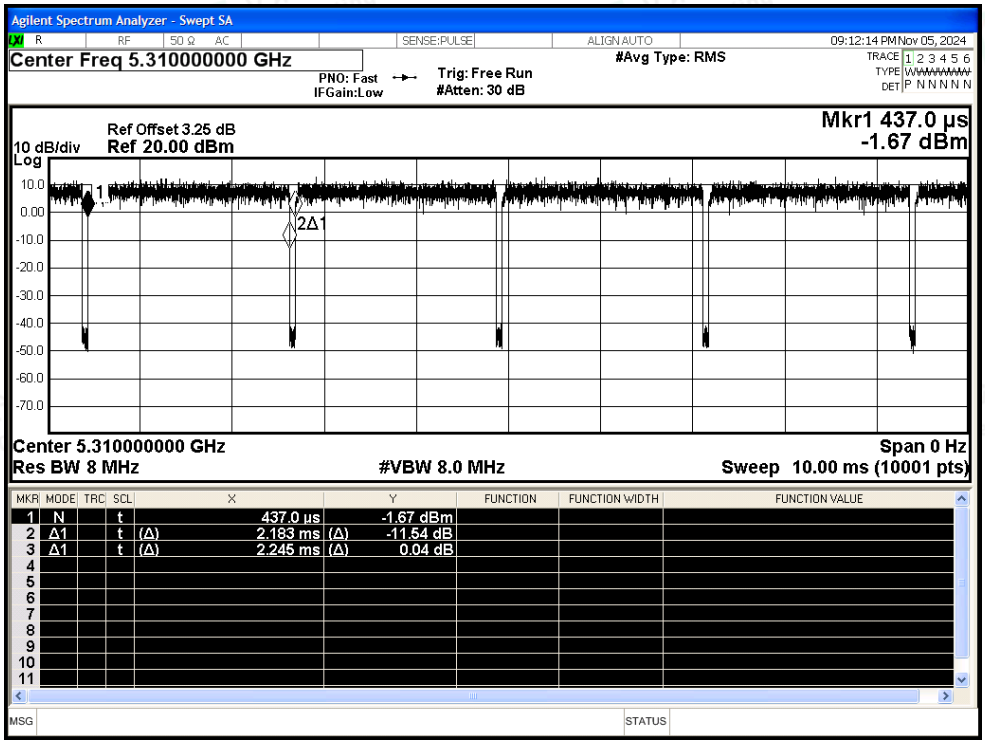
Duty Cycle NVNT ac20 5320MHz Ant0



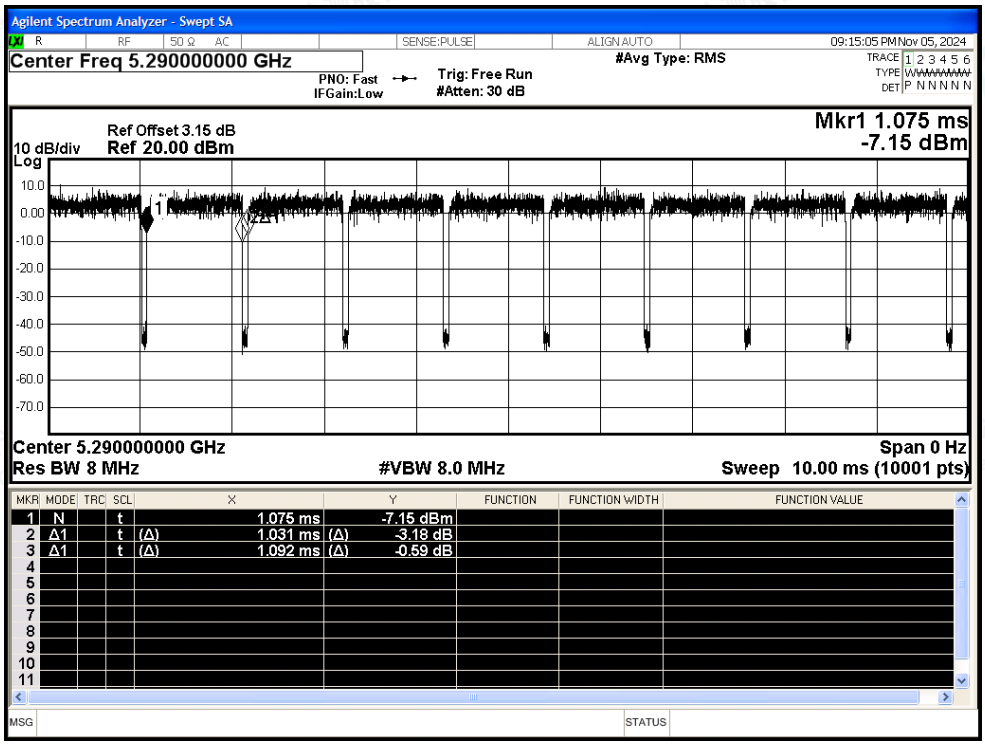

Duty Cycle NVNT ac40 5270MHz Ant0



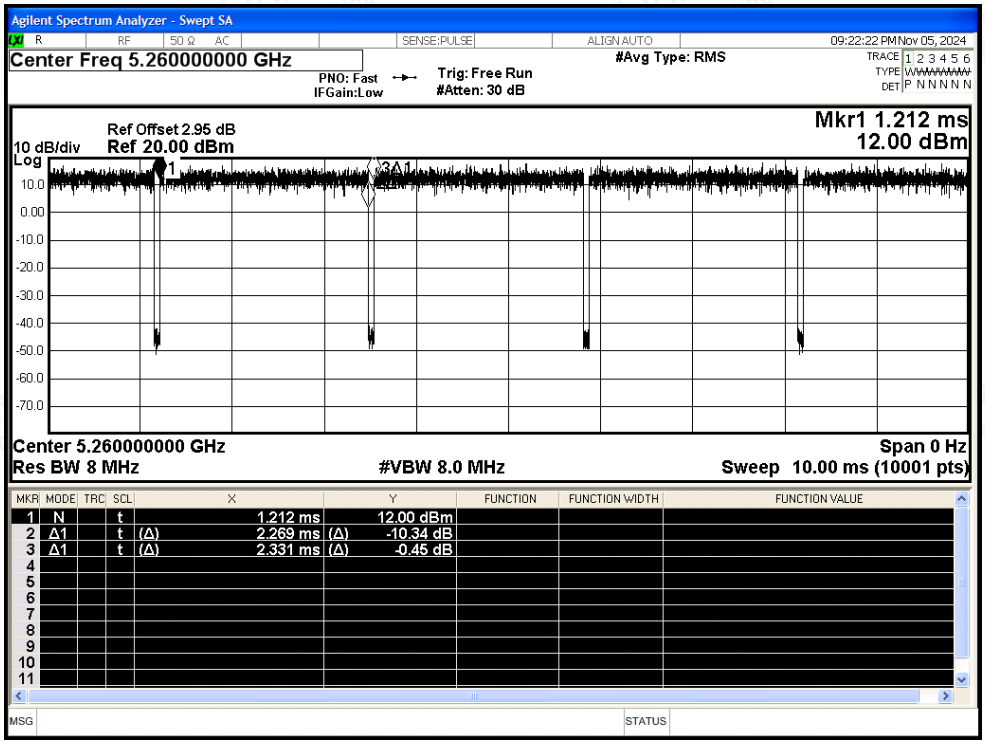
Duty Cycle NVNT ac40 5310MHz Ant0



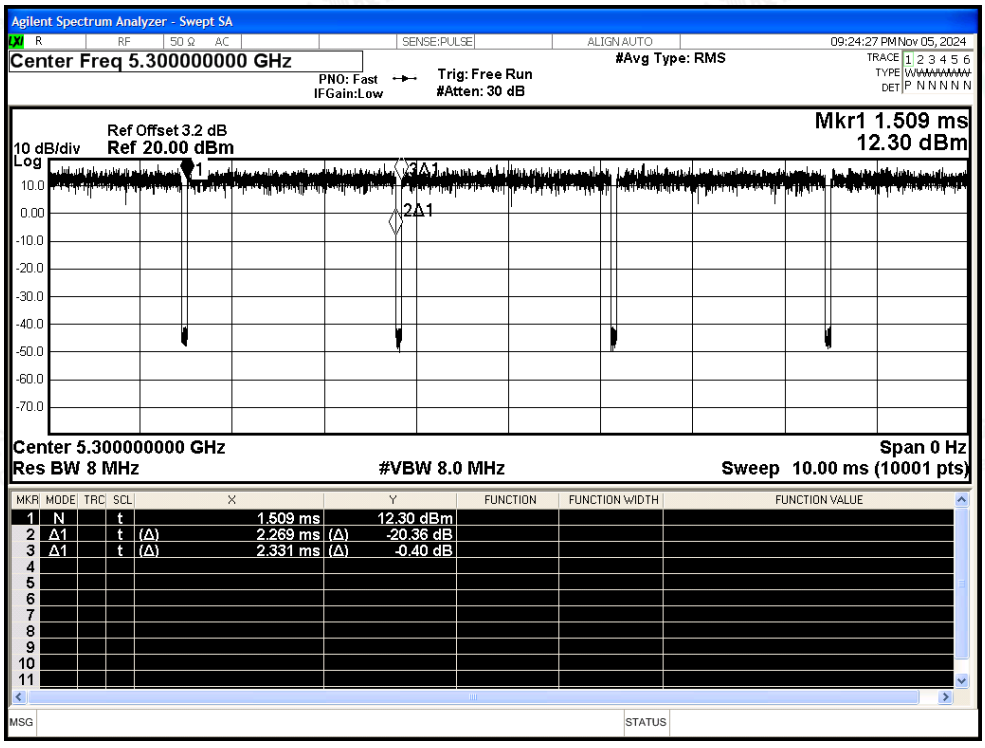

Duty Cycle NVNT ac80 5290MHz Ant0



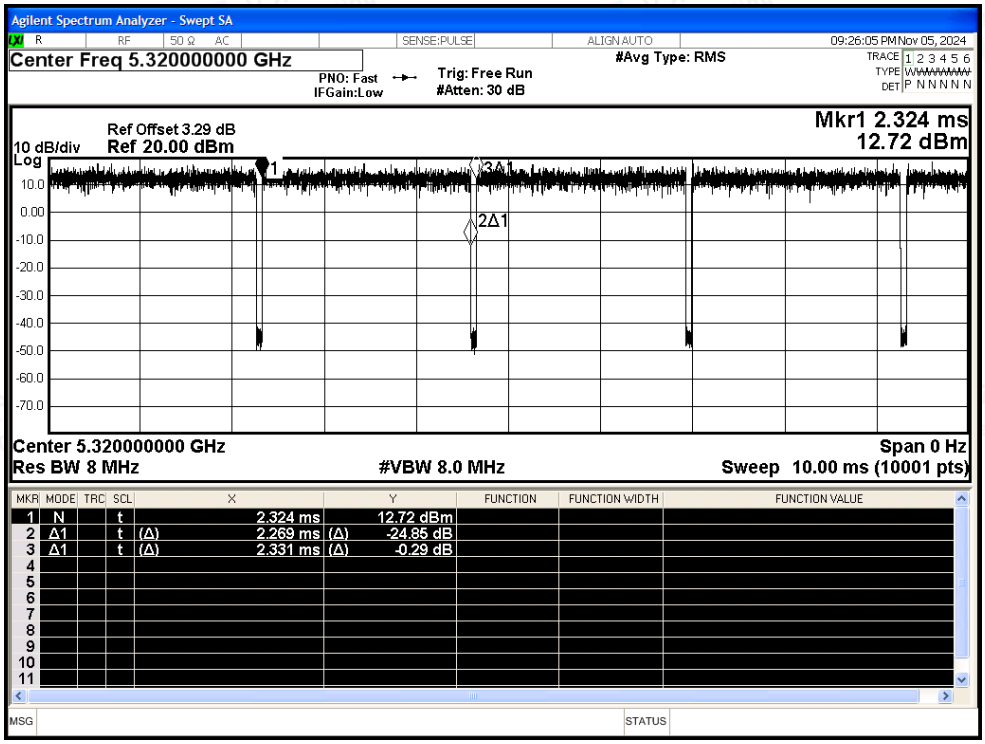
Duty Cycle NVNT ax20 5260MHz Ant0



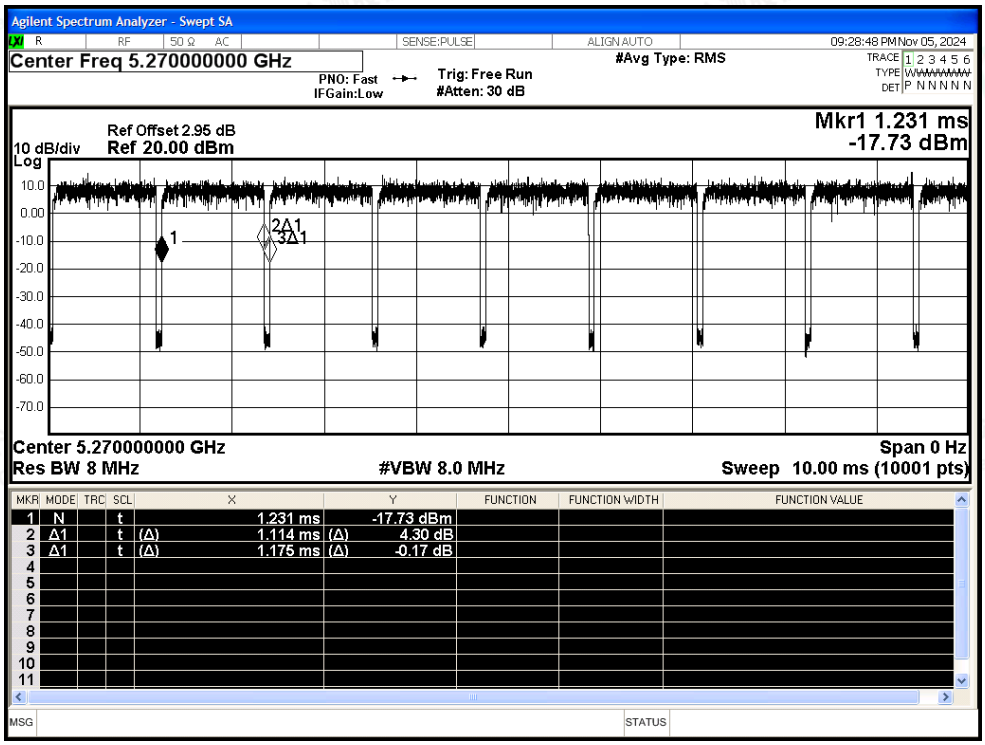

Duty Cycle NVNT ax20 5300MHz Ant0



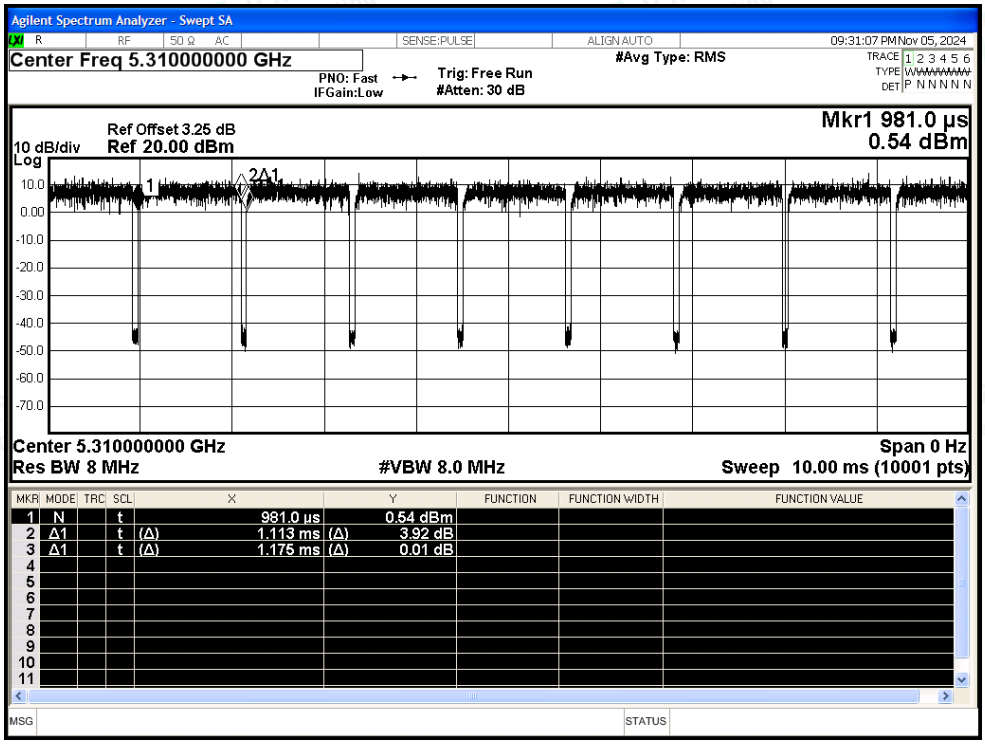
Duty Cycle NVNT ax20 5320MHz Ant0



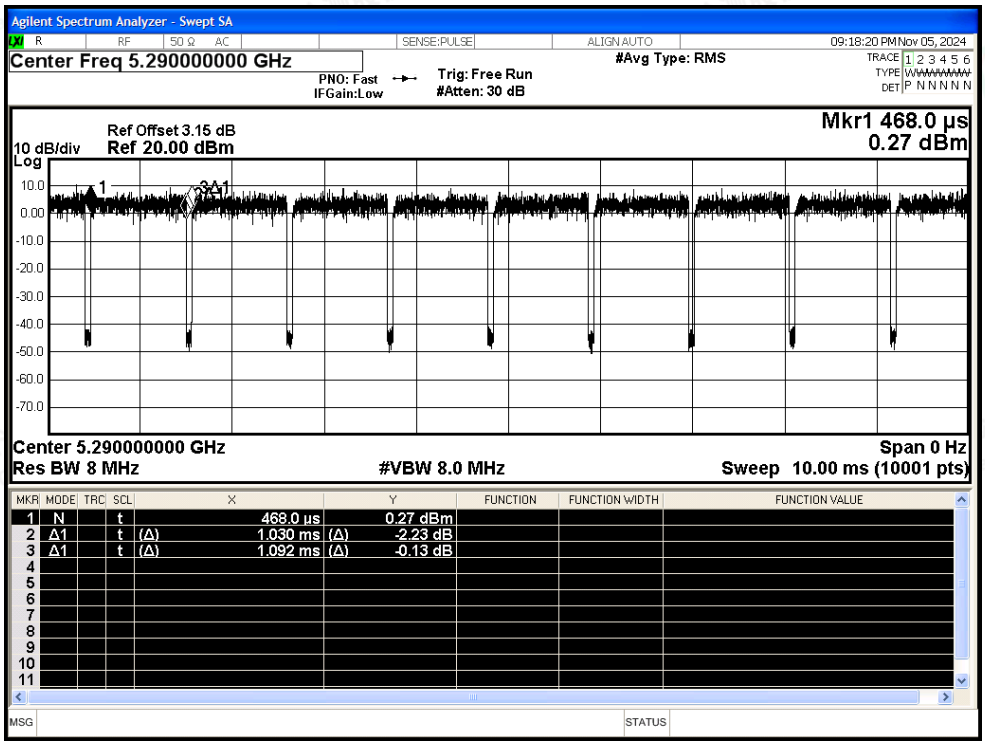

Duty Cycle NVNT ax40 5270MHz Ant0



Duty Cycle NVNT ax40 5310MHz Ant0



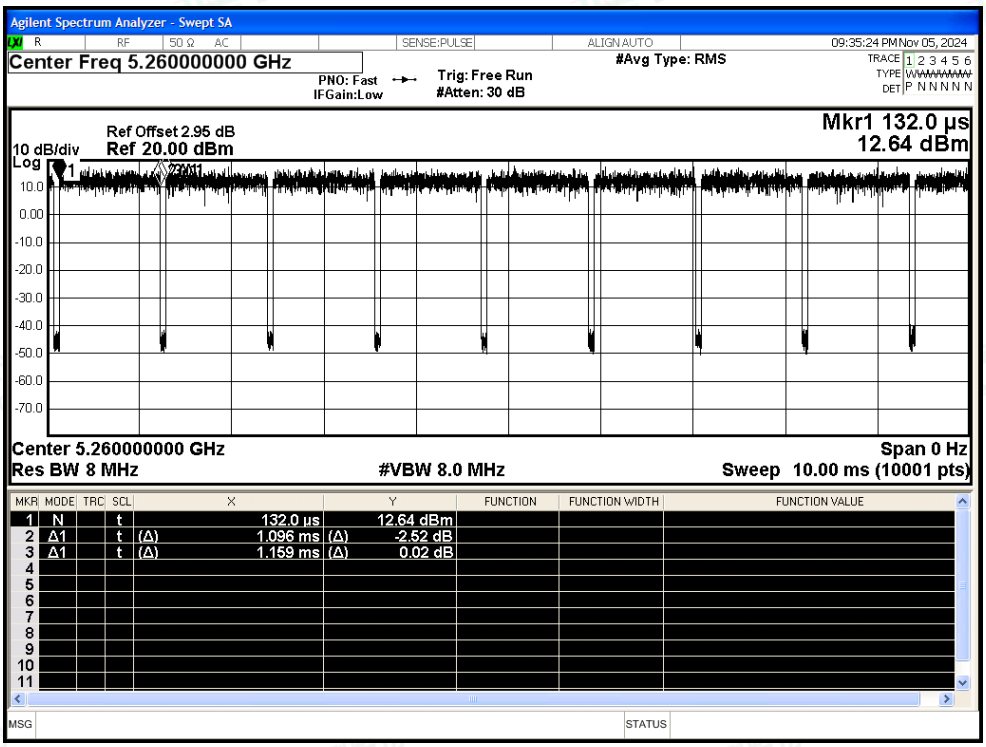

Duty Cycle NVNT ax80 5290MHz Ant0



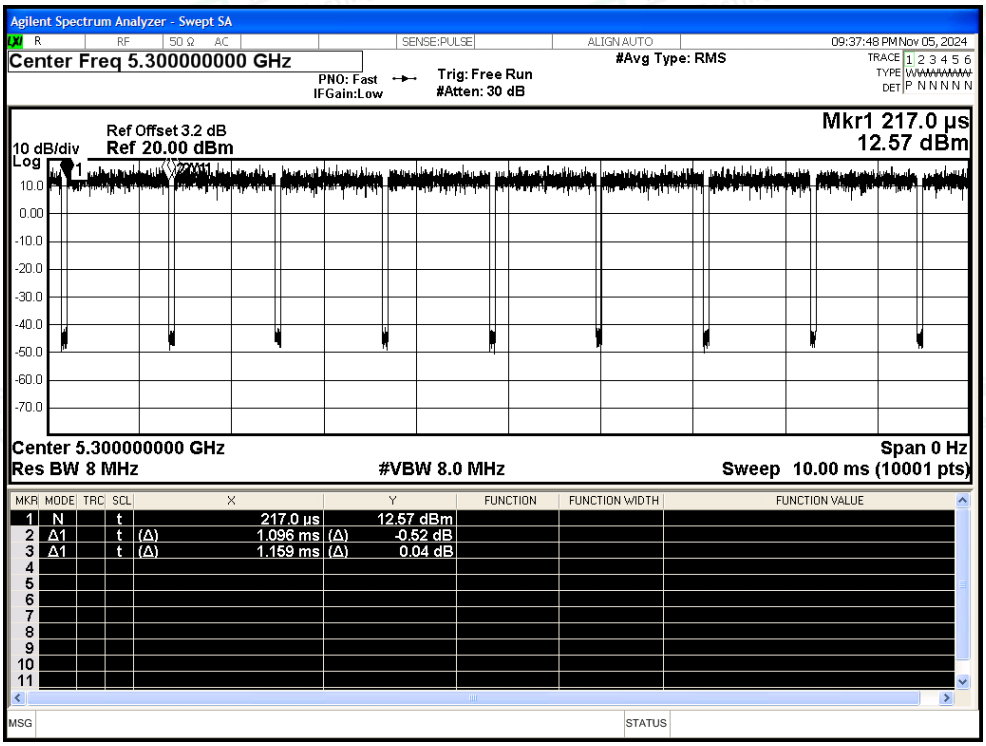
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|---|---|---|---|---|---|---|
| NVNT | a | 5260 | Ant1 | 94.56 | 0.24 | 0.91 |
| NVNT | a | 5300 | Ant1 | 94.56 | 0.24 | 0.91 |
| NVNT | a | 5320 | Ant1 | 94.56 | 0.24 | 0.91 |
| NVNT | n20 | 5260 | Ant1 | 97.29 | 0.12 | 0.44 |
| NVNT | n20 | 5300 | Ant1 | 97.29 | 0.12 | 0.44 |
| NVNT | n20 | 5320 | Ant1 | 97.29 | 0.12 | 0.44 |
| NVNT | n40 | 5270 | Ant1 | 97.23 | 0.12 | 0.46 |
| NVNT | n40 | 5310 | Ant1 | 97.23 | 0.12 | 0.46 |
| NVNT | ac20 | 5260 | Ant1 | 97.34 | 0.12 | 0.44 |
| NVNT | ac20 | 5300 | Ant1 | 97.34 | 0.12 | 0.44 |
| NVNT | ac20 | 5320 | Ant1 | 97.3 | 0.12 | 0.44 |
| NVNT | ac40 | 5270 | Ant1 | 97.19 | 0.12 | 0.46 |
| NVNT | ac40 | 5310 | Ant1 | 97.19 | 0.12 | 0.46 |
| NVNT | ac80 | 5290 | Ant1 | 94.32 | 0.25 | 0.97 |
| NVNT | ax20 | 5260 | Ant1 | 97.34 | 0.12 | 0.44 |
| NVNT | ax20 | 5300 | Ant1 | 97.3 | 0.12 | 0.44 |
| NVNT | ax20 | 5320 | Ant1 | 97.34 | 0.12 | 0.44 |
| NVNT | ax40 | 5270 | Ant1 | 97.24 | 0.12 | 0.46 |
| NVNT | ax40 | 5310 | Ant1 | 97.19 | 0.12 | 0.46 |
| NVNT | ax80 | 5290 | Ant1 | 94.32 | 0.25 | 0.97 |

Test Graphs

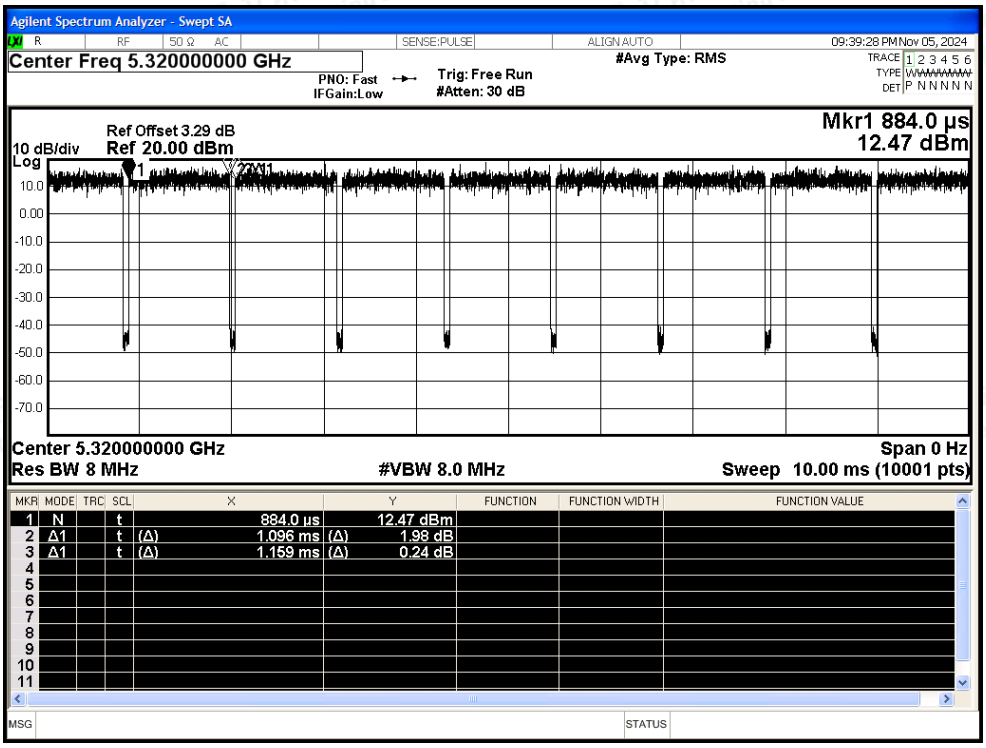
Duty Cycle NVNT a 5260MHz Ant1



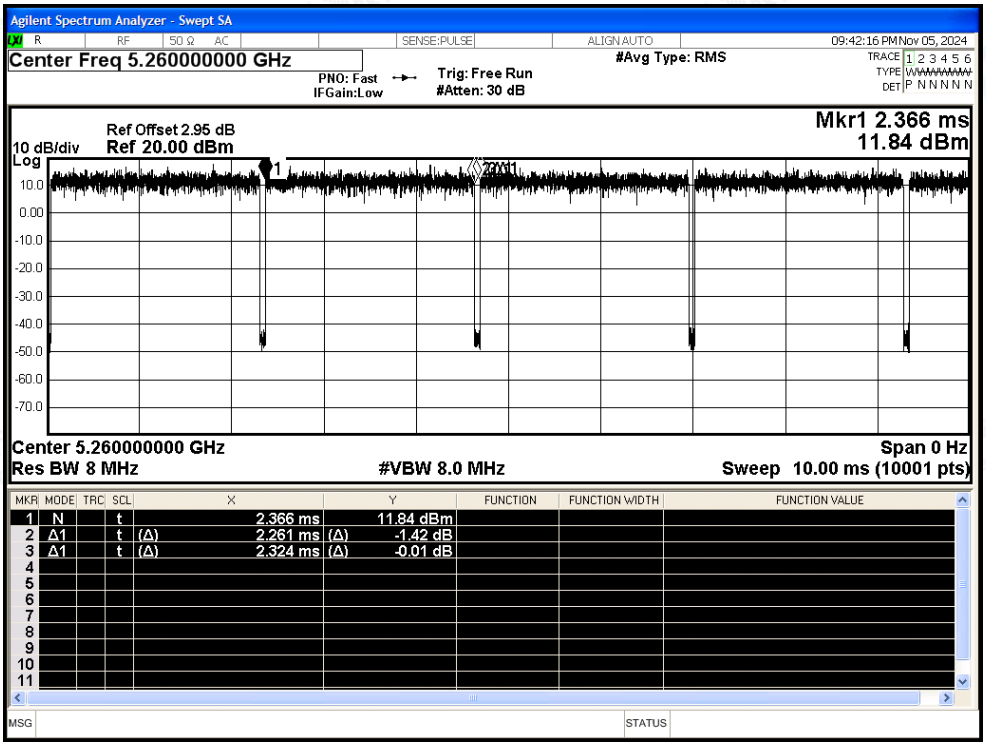

Duty Cycle NVNT a 5300MHz Ant1



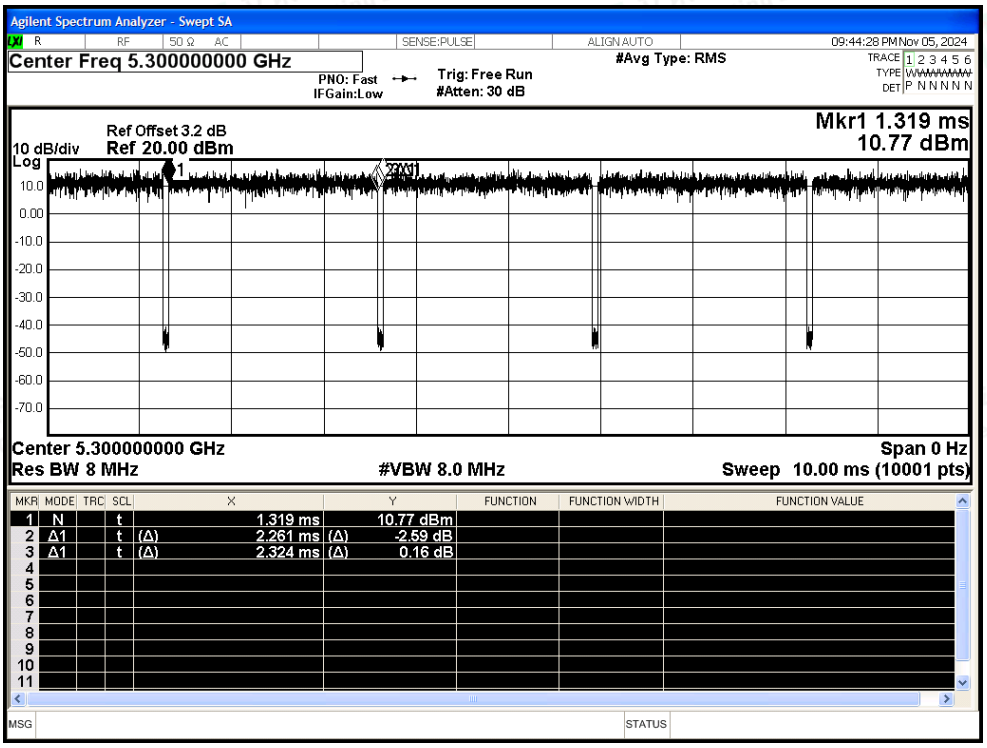
Duty Cycle NVNT a 5320MHz Ant1



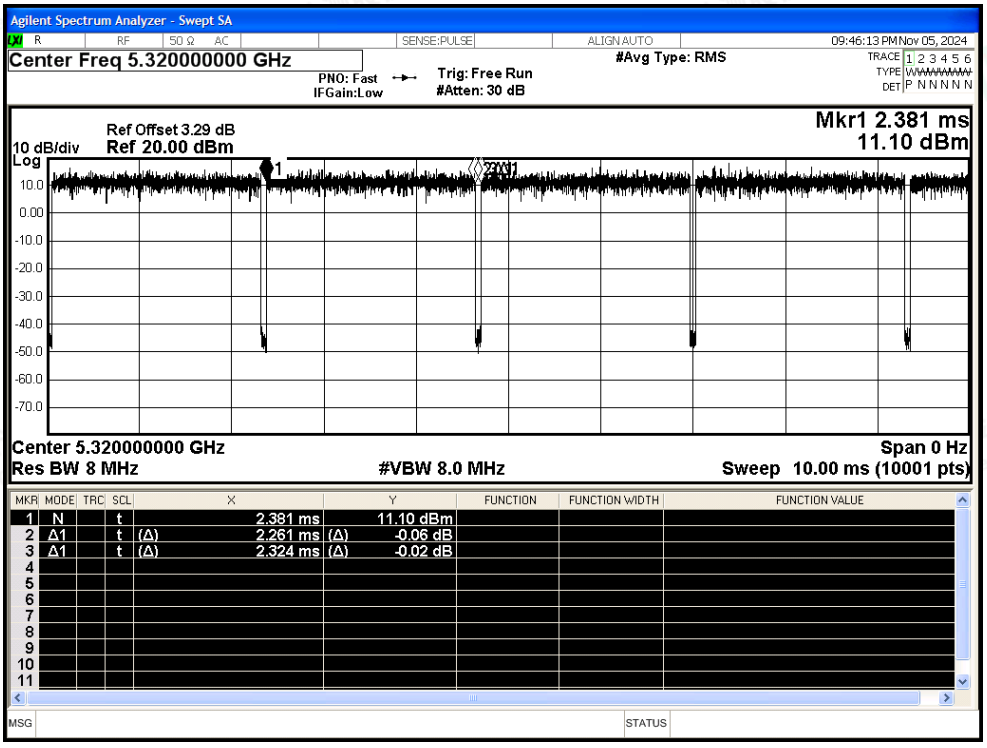

Duty Cycle NVNT n20 5260MHz Ant1



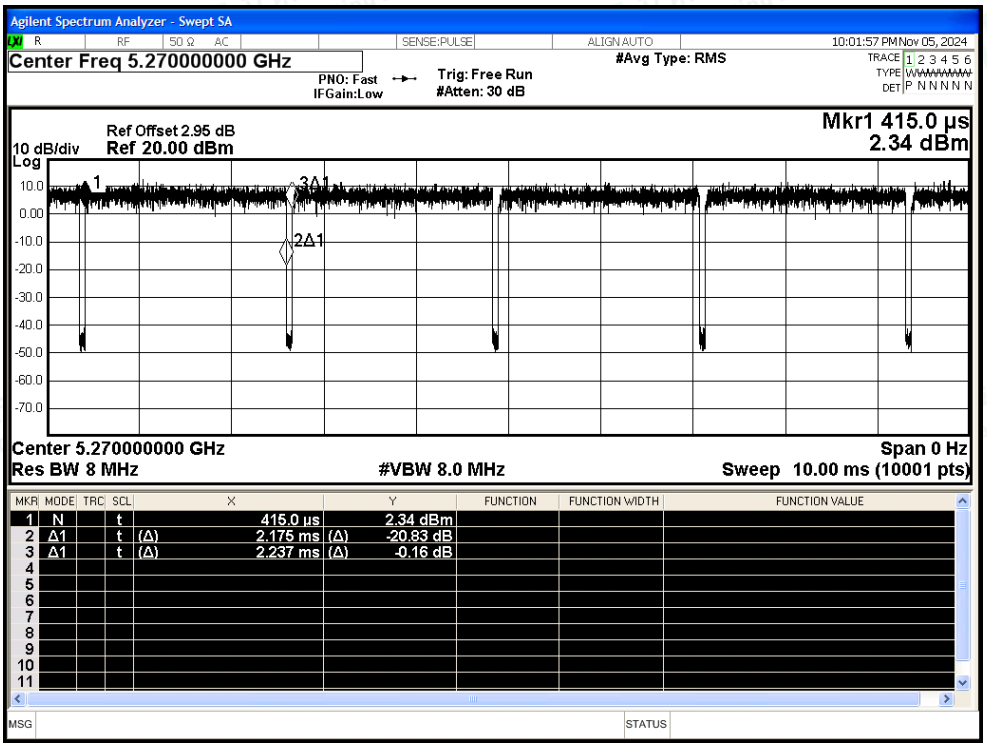
Duty Cycle NVNT n20 5300MHz Ant1



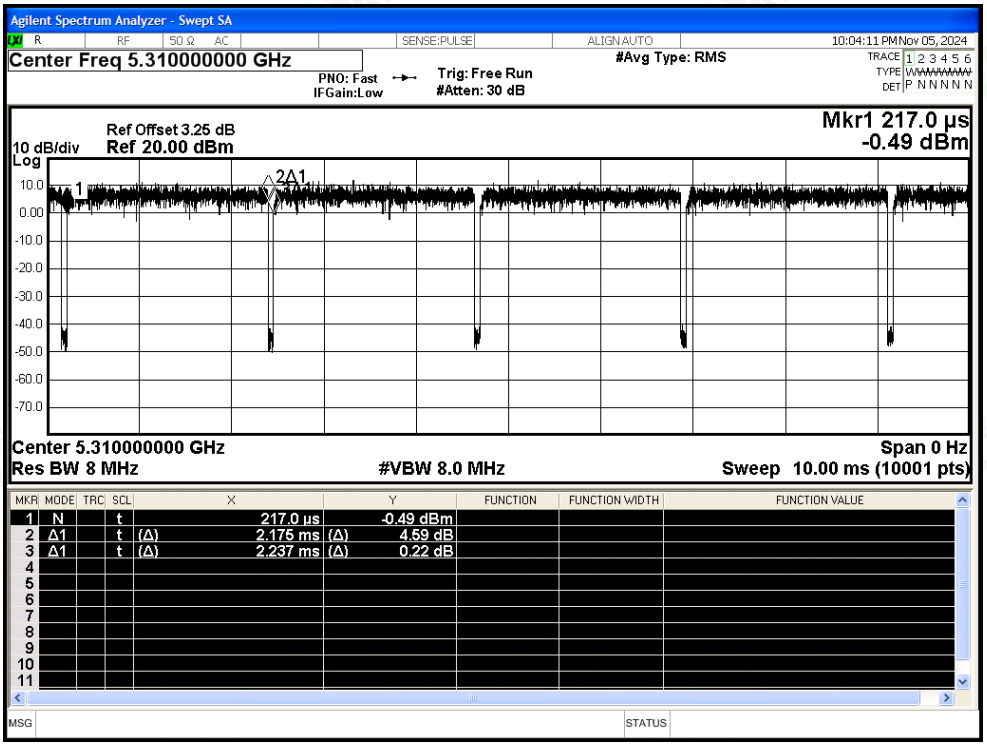

Duty Cycle NVNT n20 5320MHz Ant1



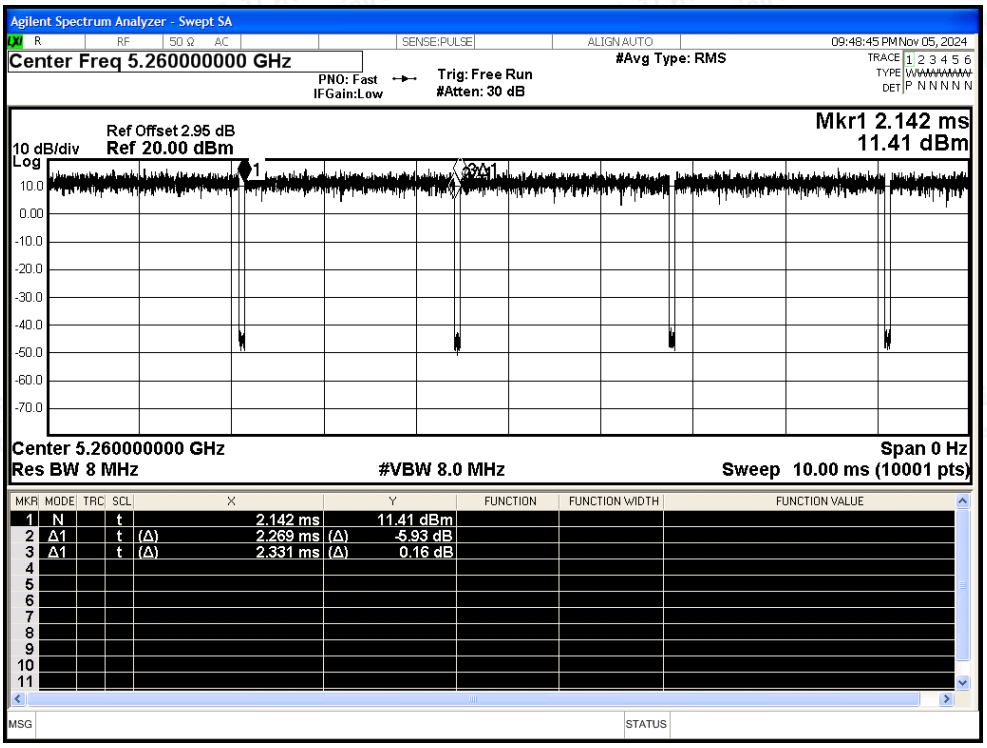
Duty Cycle NVNT n40 5270MHz Ant1



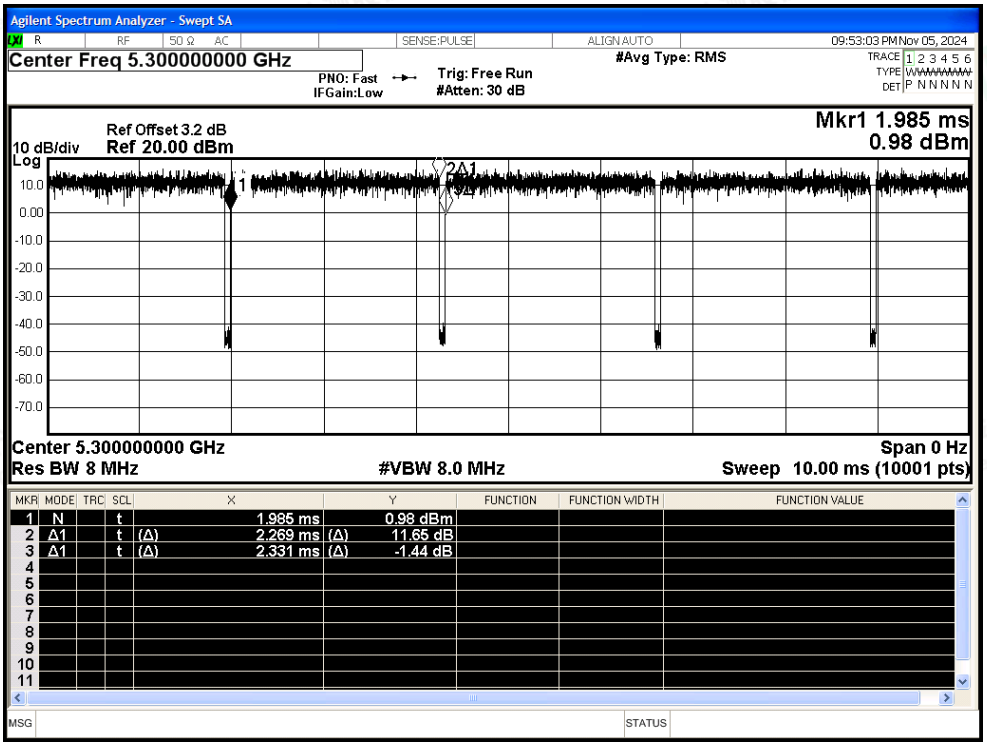

Duty Cycle NVNT n40 5310MHz Ant1



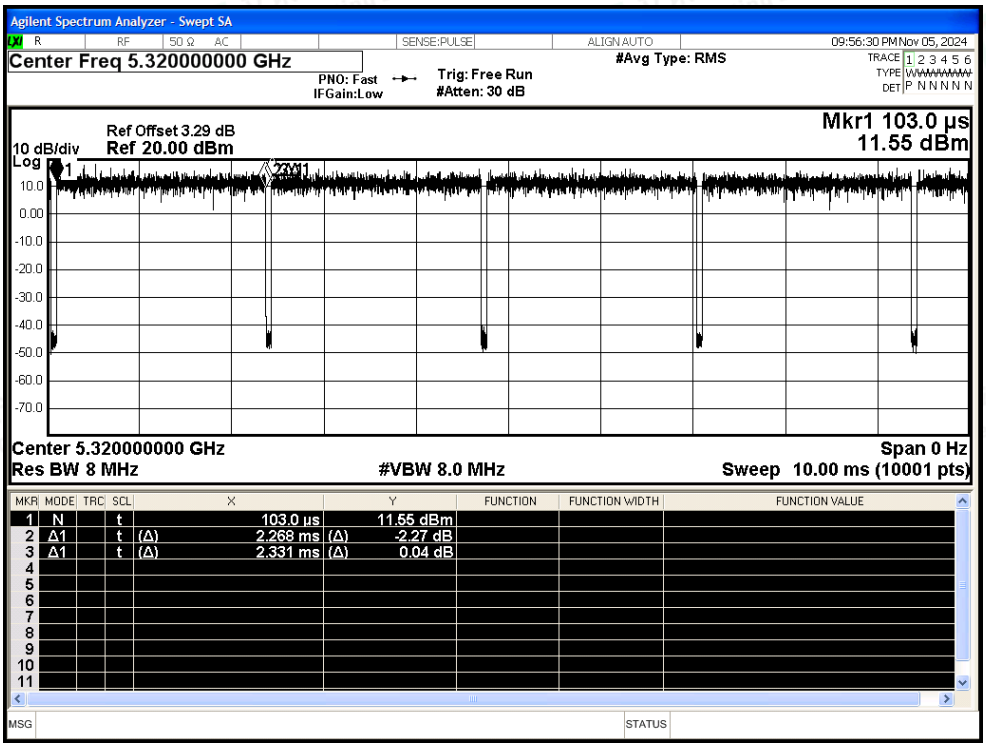
Duty Cycle NVNT ac20 5260MHz Ant1



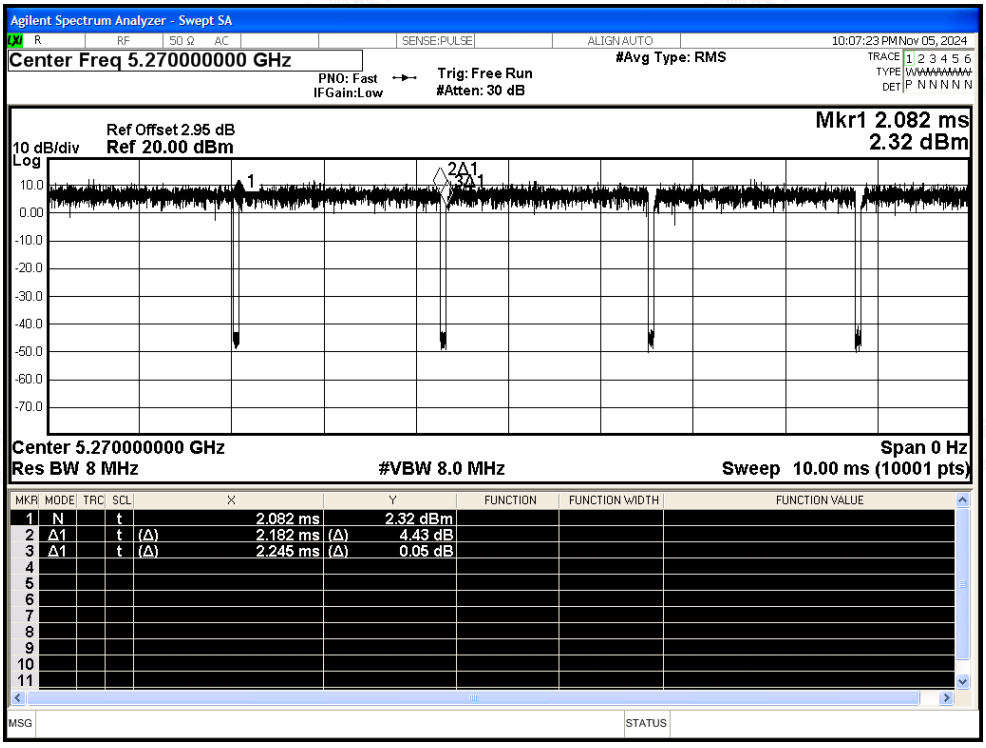

Duty Cycle NVNT ac20 5300MHz Ant1



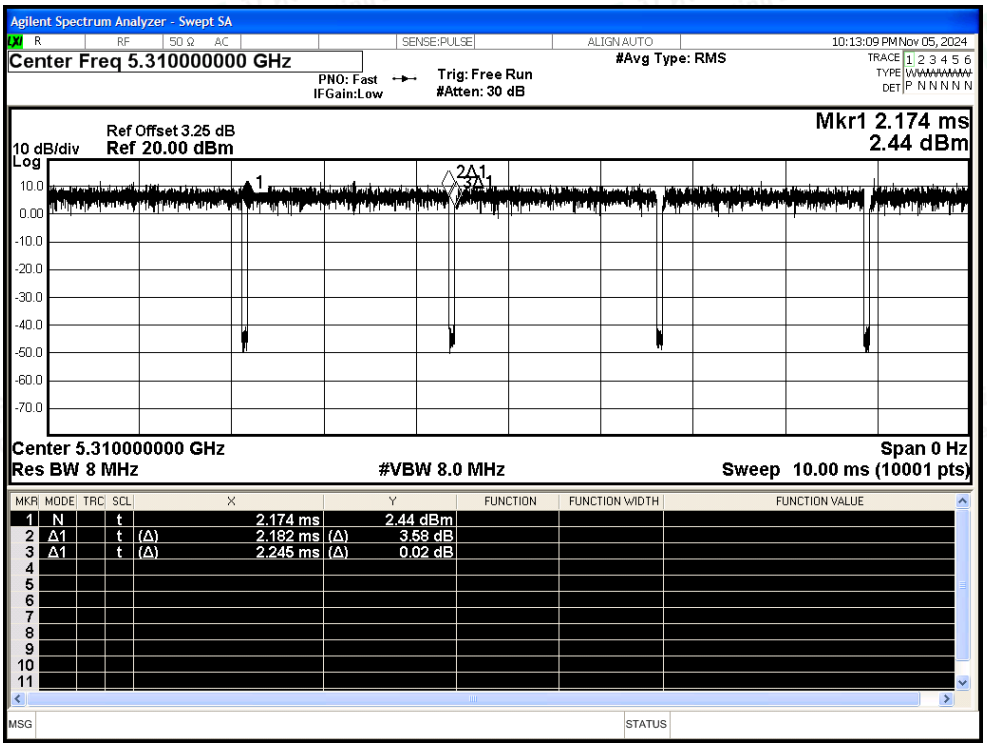
Duty Cycle NVNT ac20 5320MHz Ant1



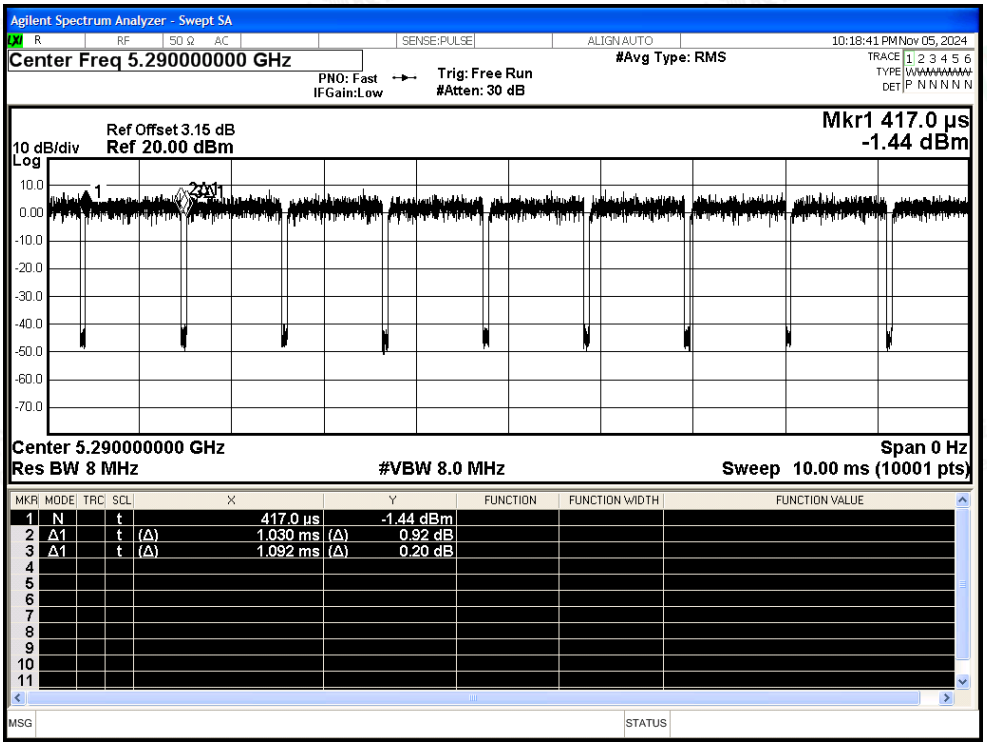

Duty Cycle NVNT ac40 5270MHz Ant1



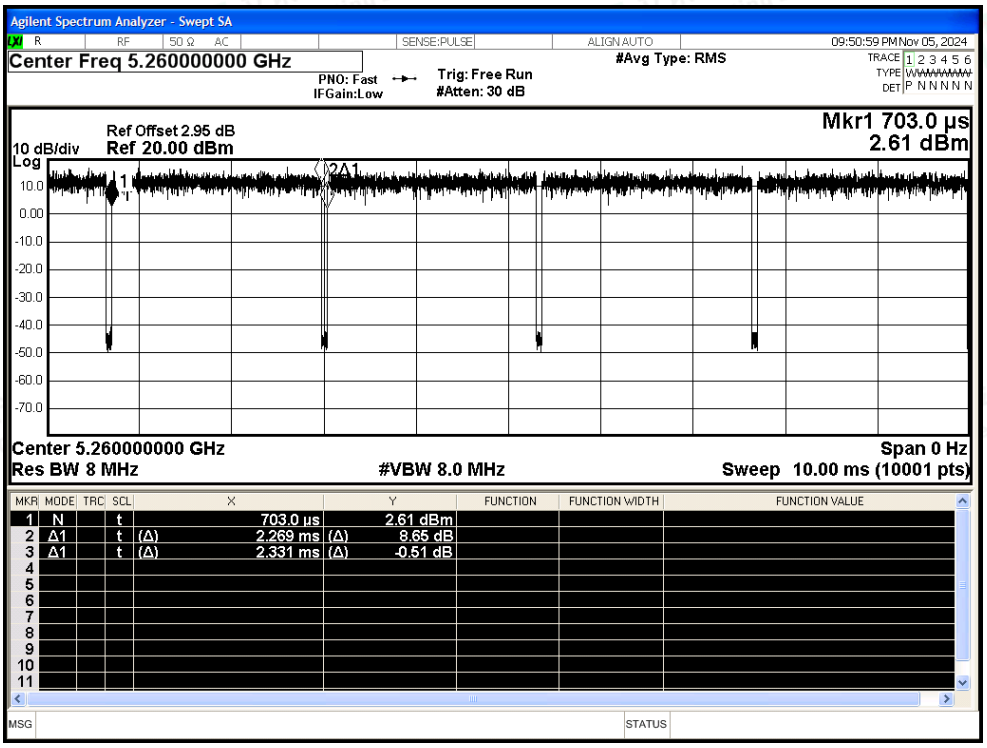
Duty Cycle NVNT ac40 5310MHz Ant1



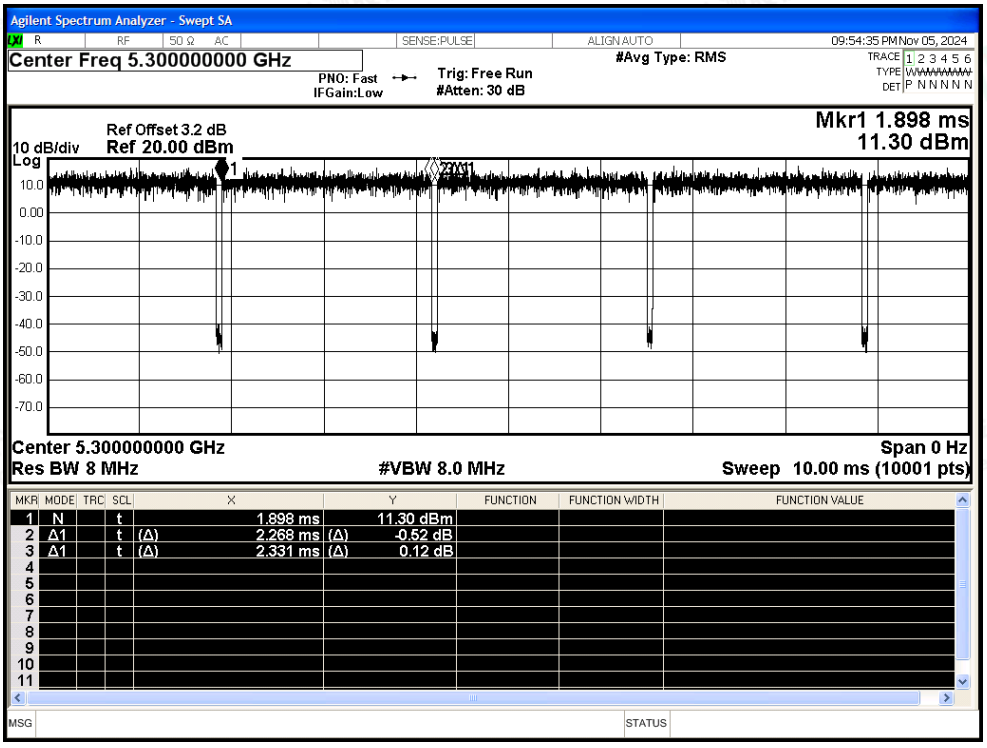

Duty Cycle NVNT ac80 5290MHz Ant1



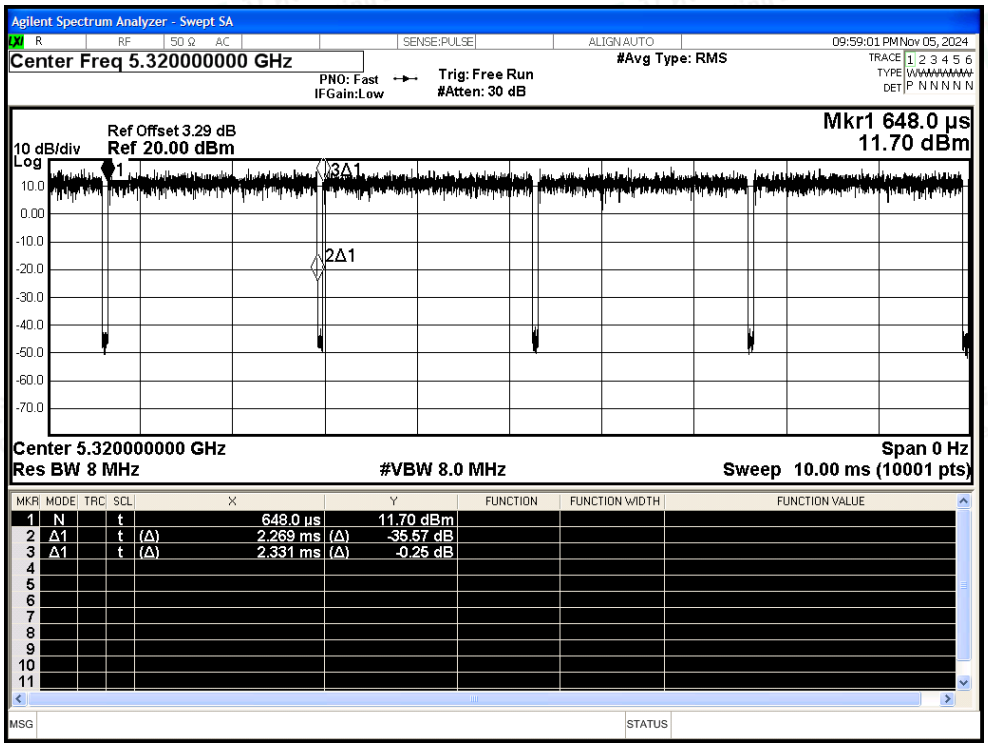
Duty Cycle NVNT ax20 5260MHz Ant1



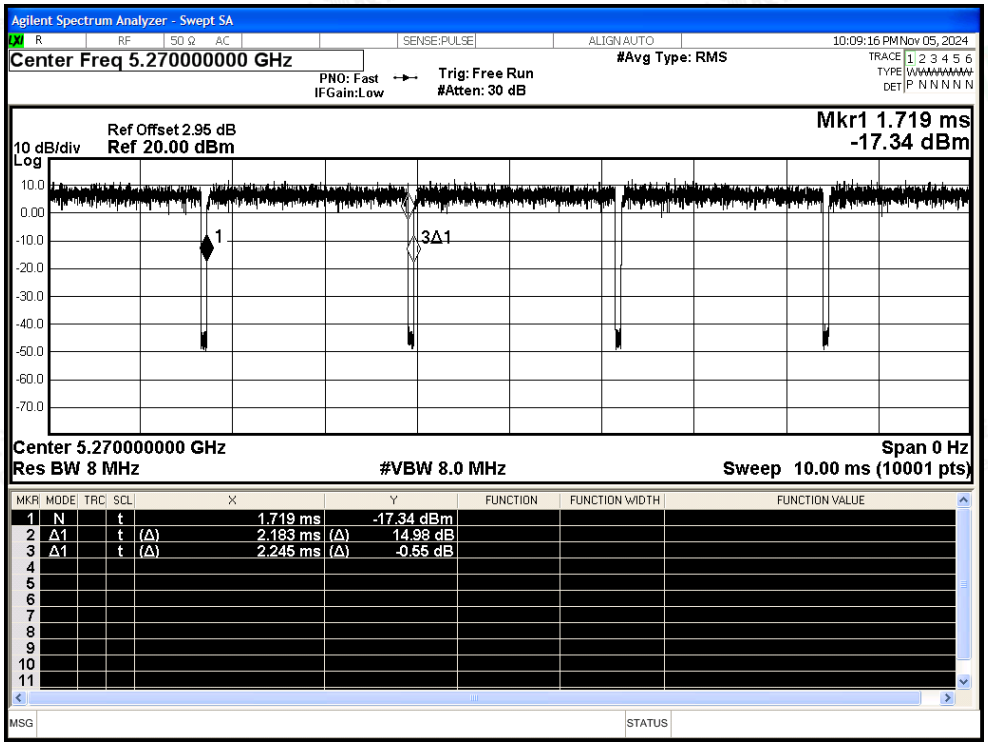

Duty Cycle NVNT ax20 5300MHz Ant1



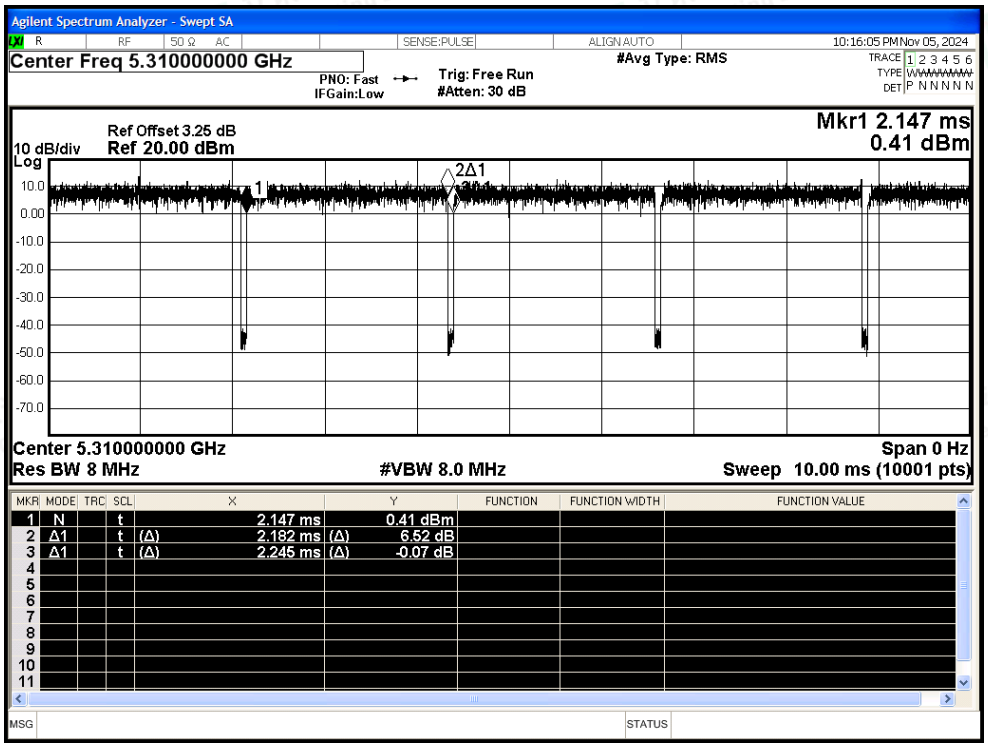
Duty Cycle NVNT ax20 5320MHz Ant1

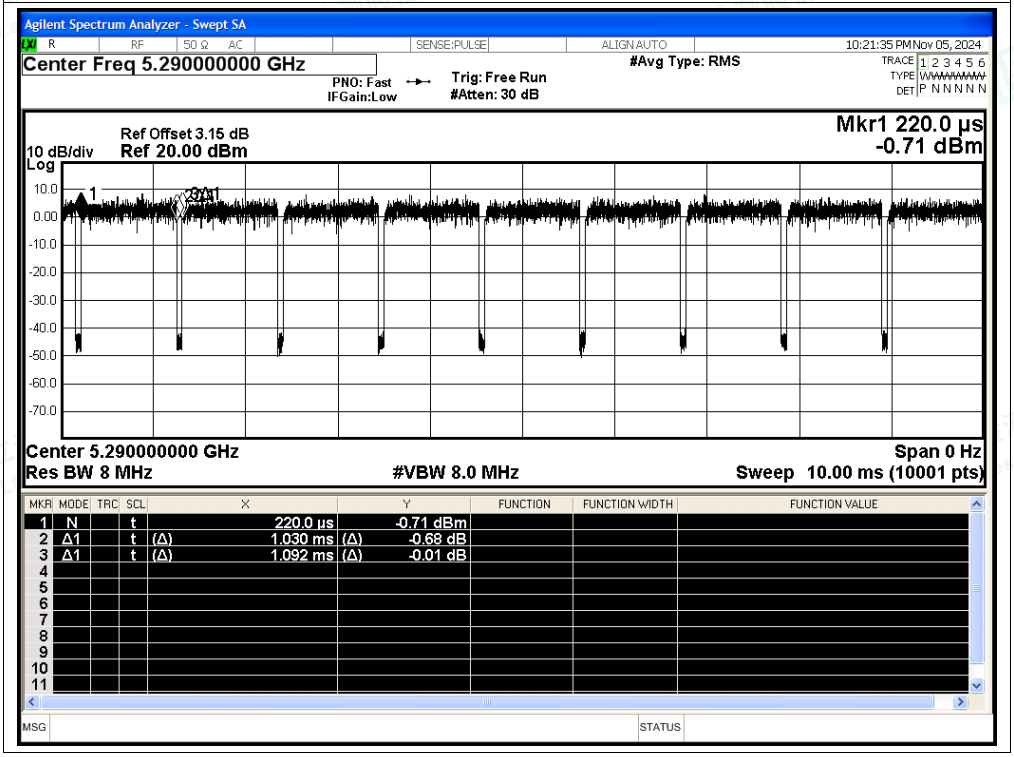



Duty Cycle NVNT ax40 5270MHz Ant1



Duty Cycle NVNT ax40 5310MHz Ant1




Duty Cycle NVNT ax80 5290MHz Ant1