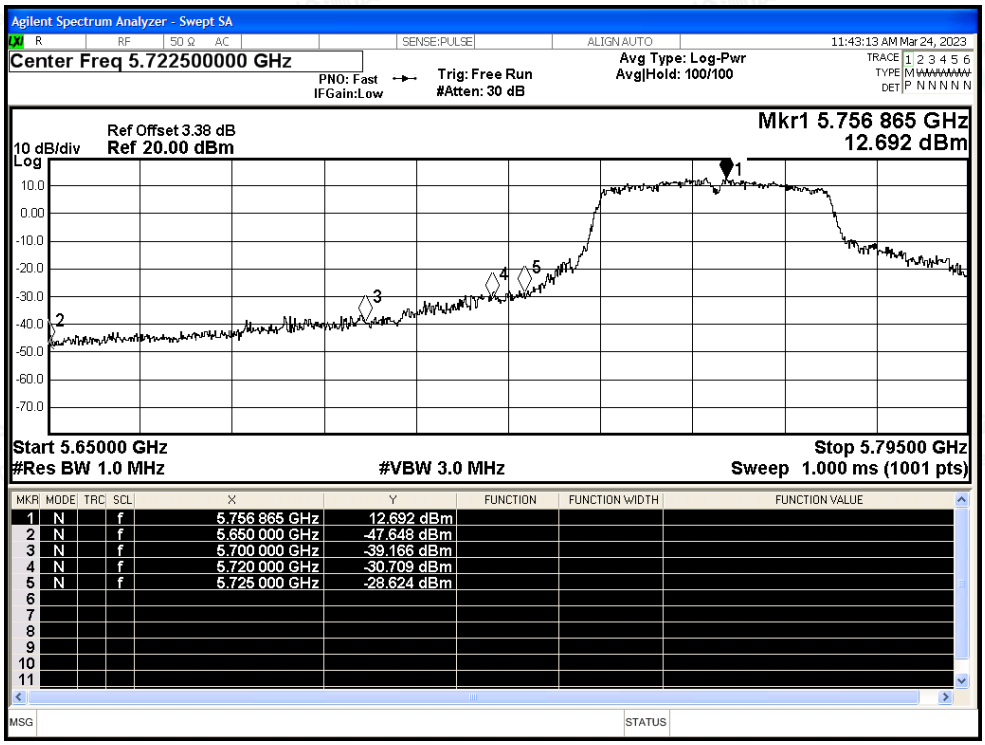
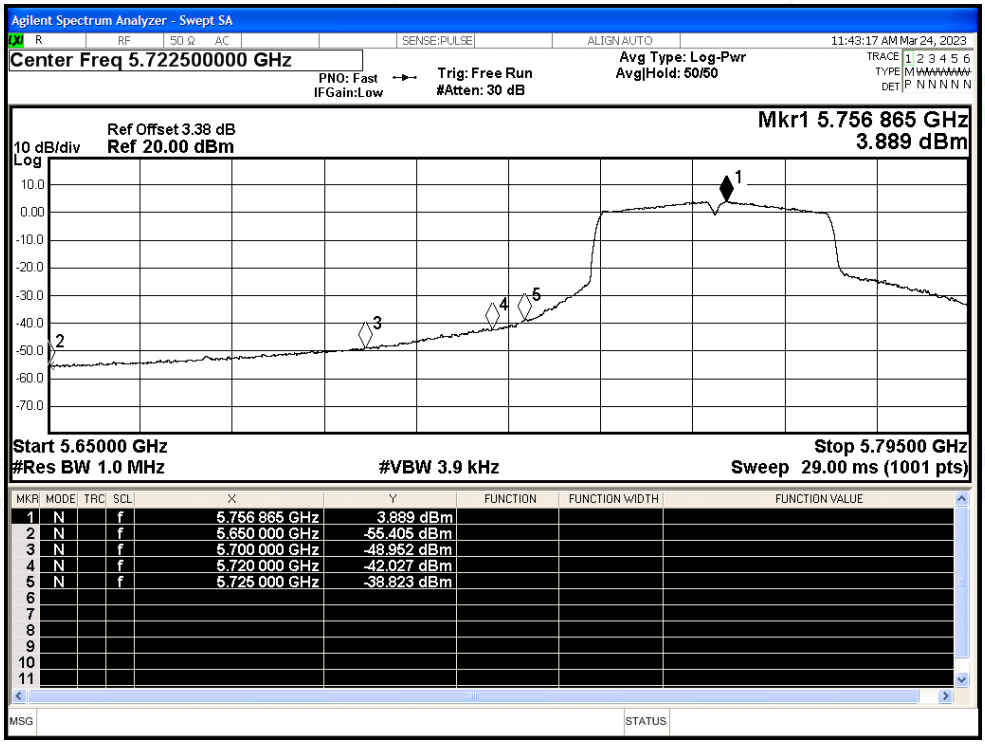
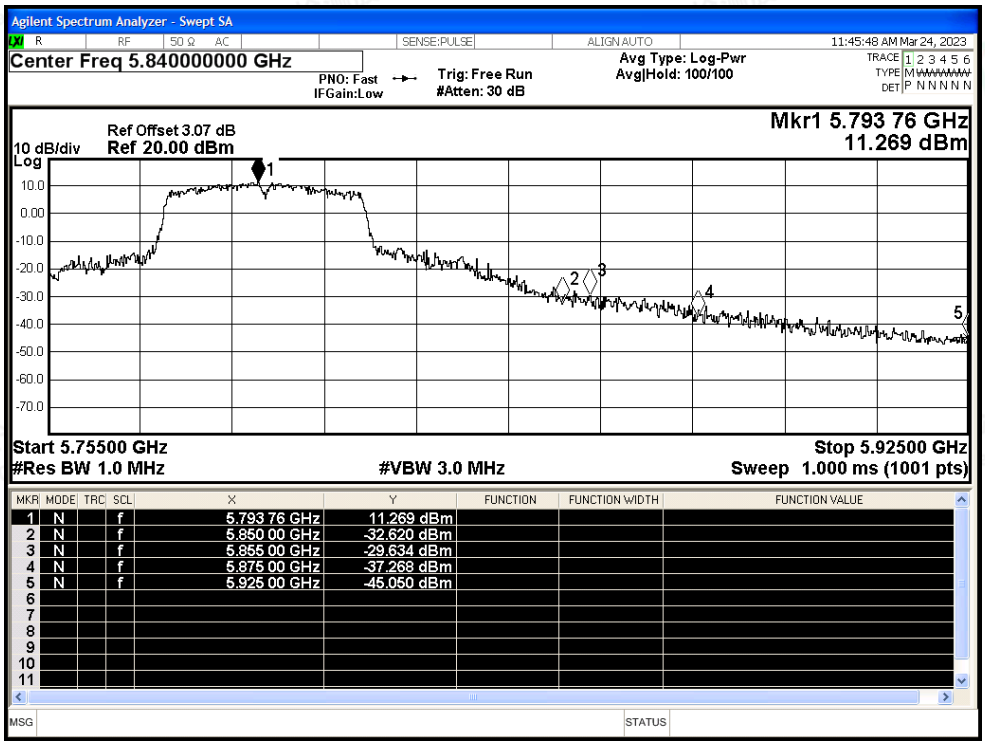
Restrict Band NVNT ac40 5755MHz Ant1 Peak



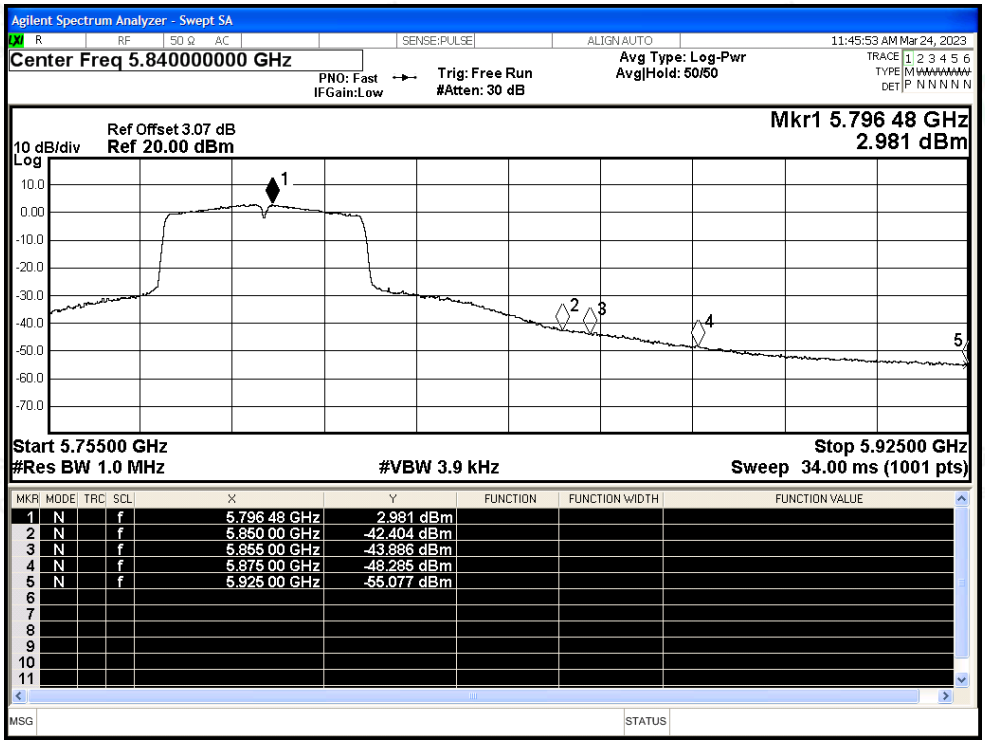

Restrict Band NVNT ac40 5755MHz Ant1 Average



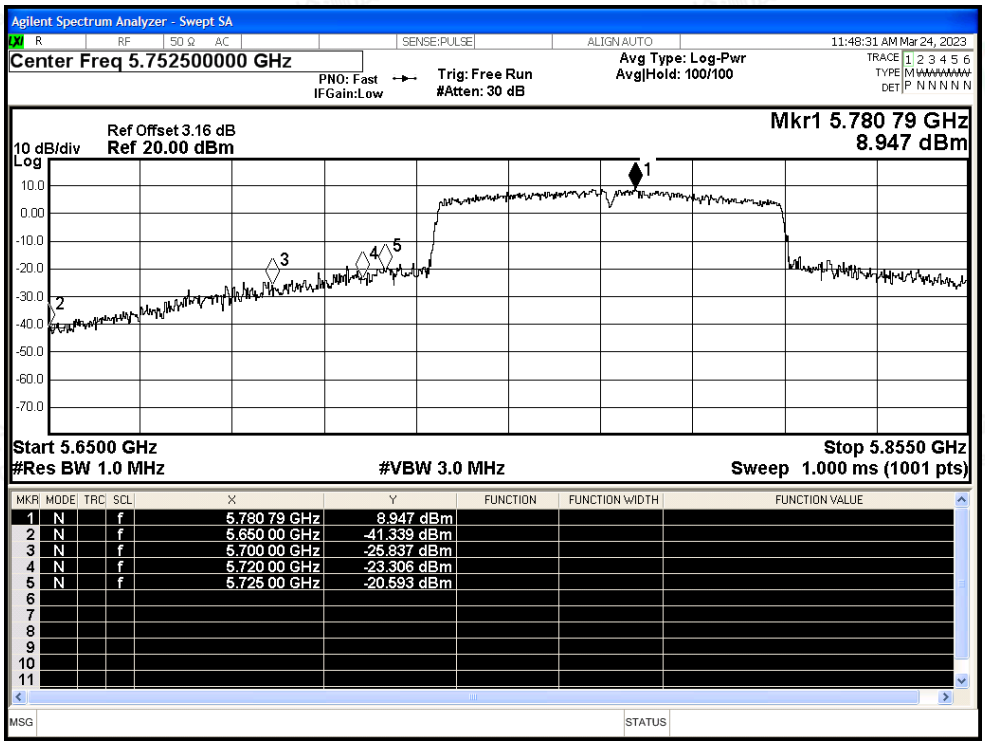
Restrict Band NVNT ac40 5795MHz Ant1 Peak



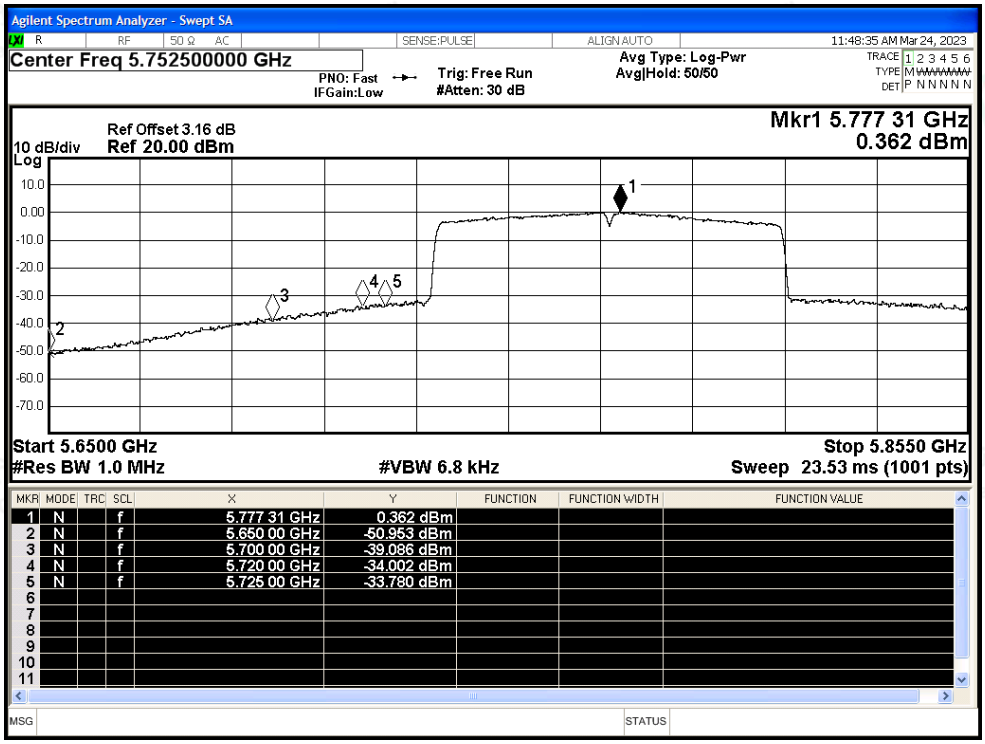

Restrict Band NVNT ac40 5795MHz Ant1 Average



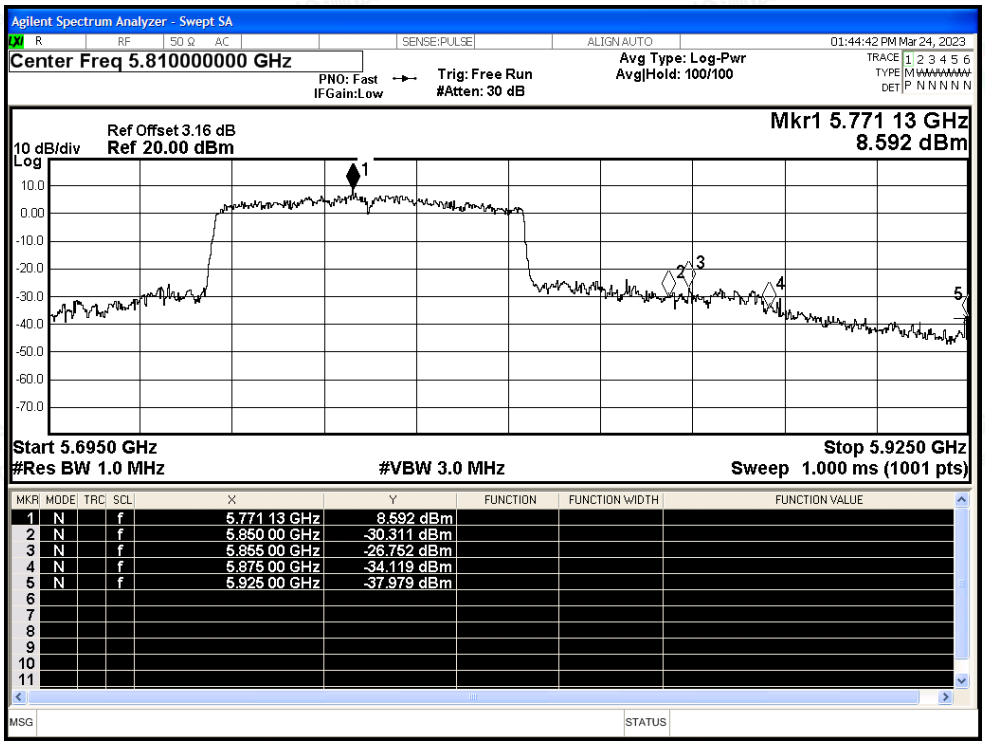
Restrict Band NVNT ac80 5775MHz Ant1 Peak



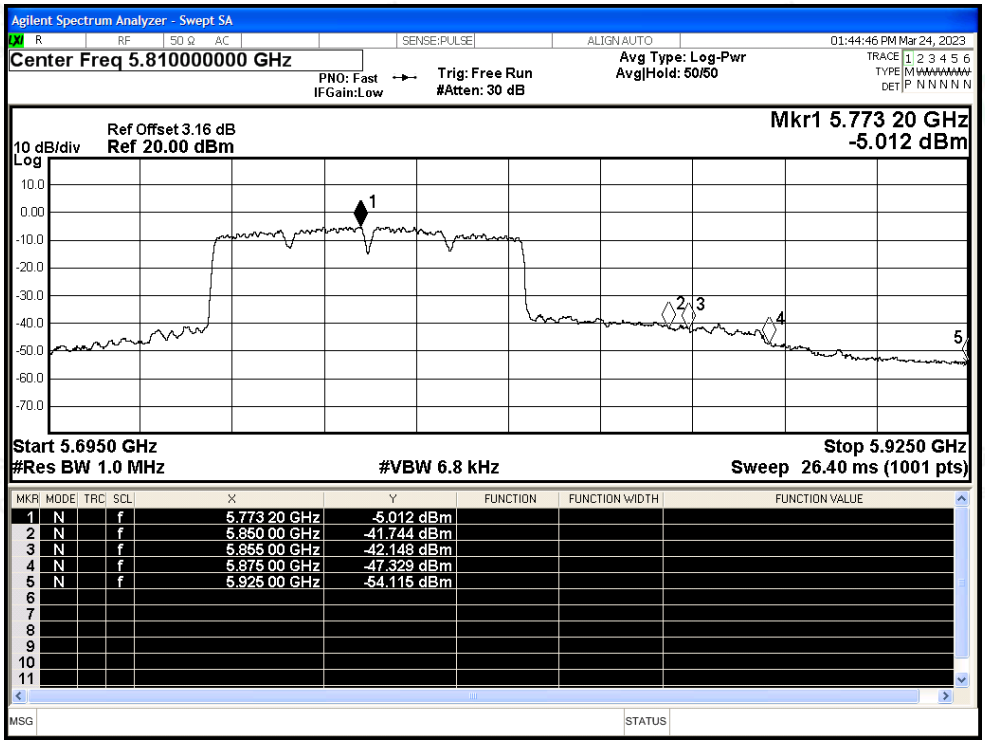

Restrict Band NVNT ac80 5775MHz Ant1 Average



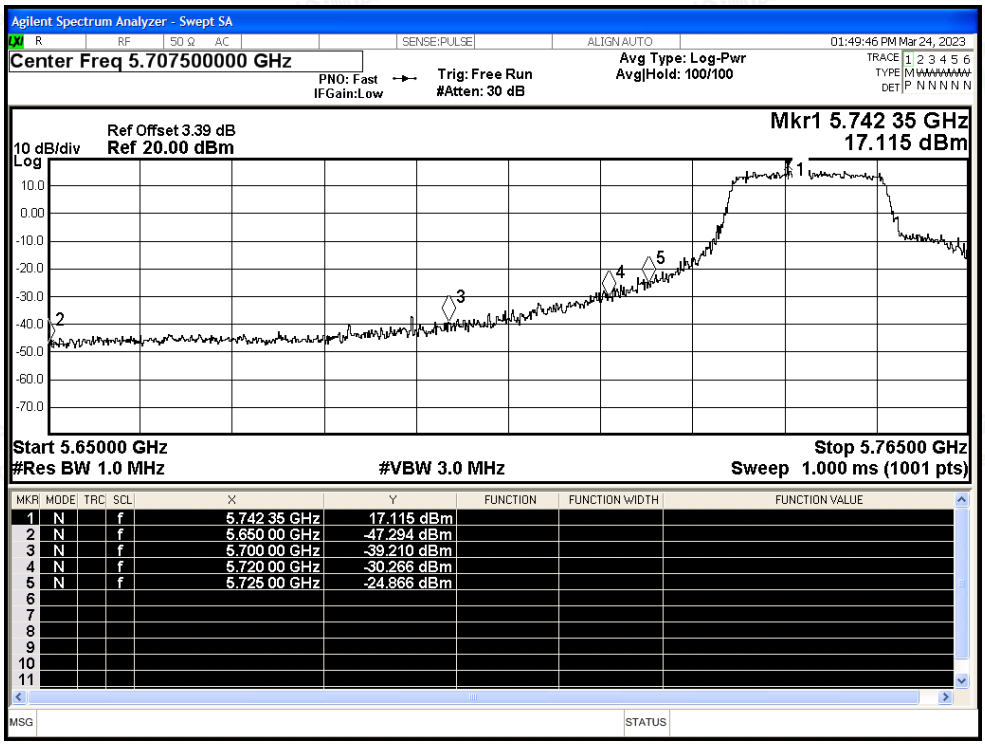
Restrict Band NVNT ac80 5775MHz Ant1 Peak



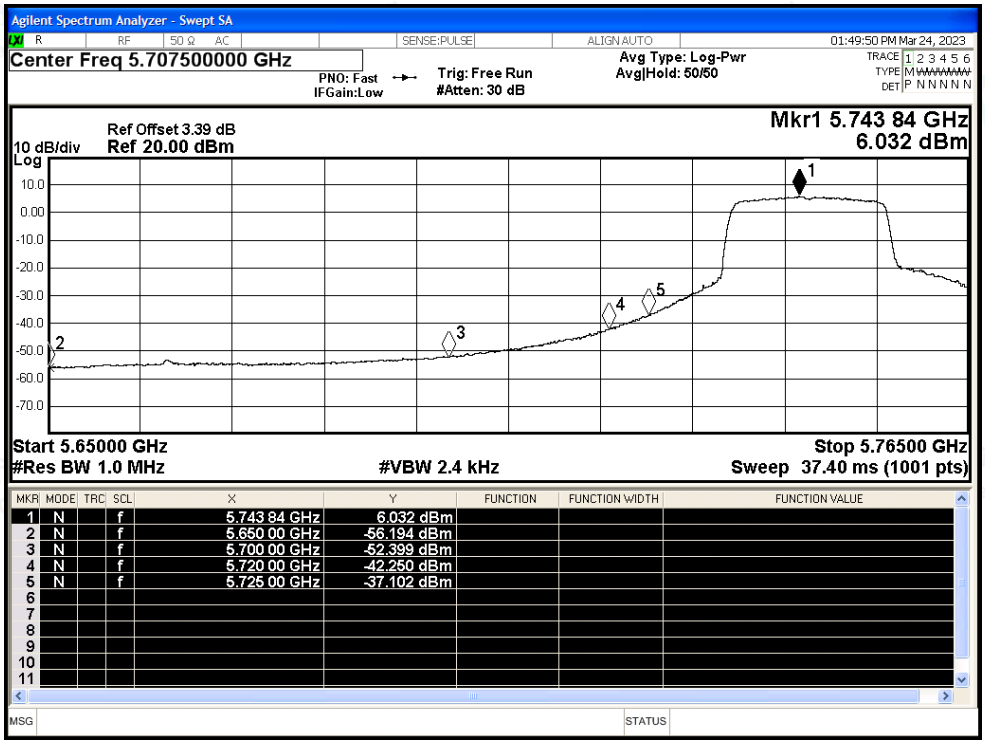

Restrict Band NVNT ac80 5775MHz Ant1 Average



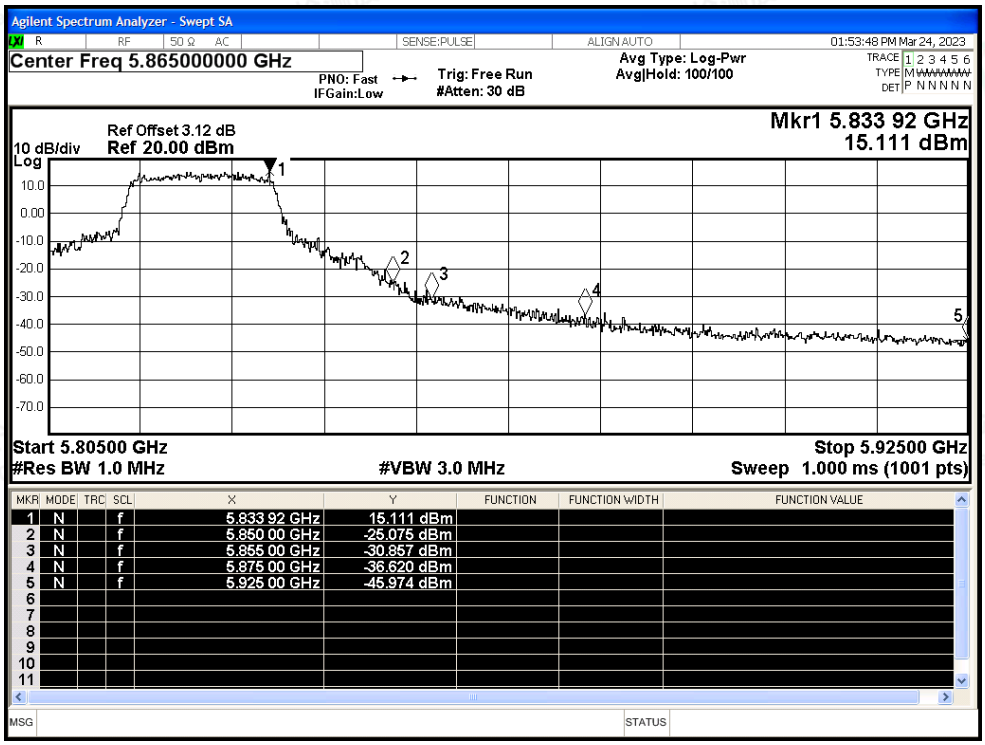
Restrict Band NVNT ax20 5745MHz Ant1 Peak



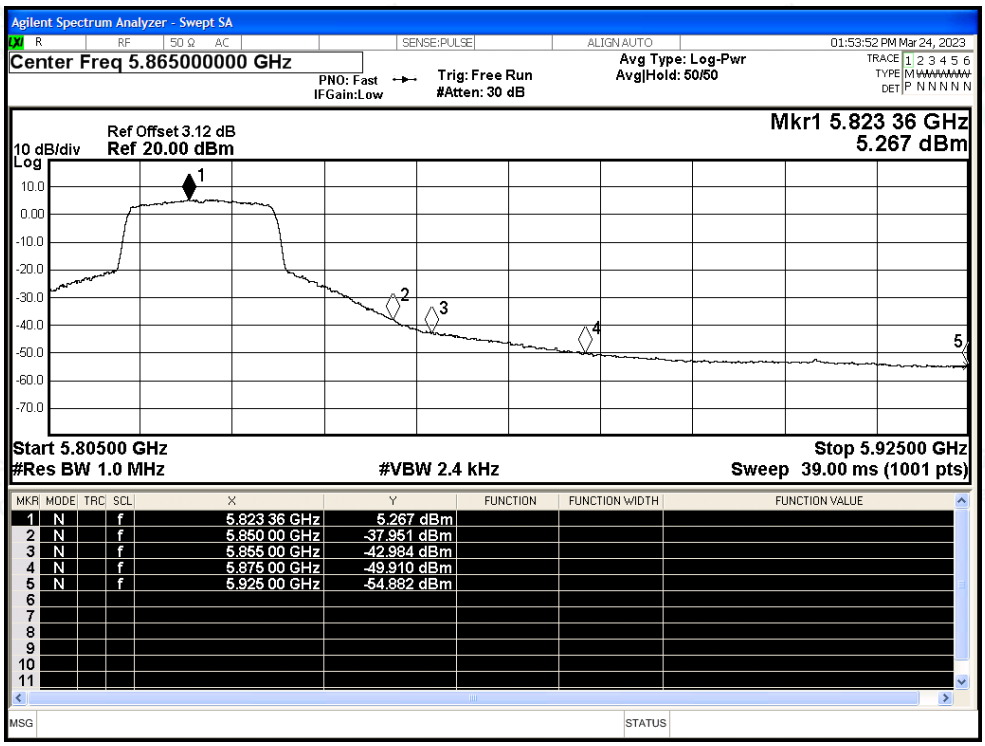

Restrict Band NVNT ax20 5745MHz Ant1 Average



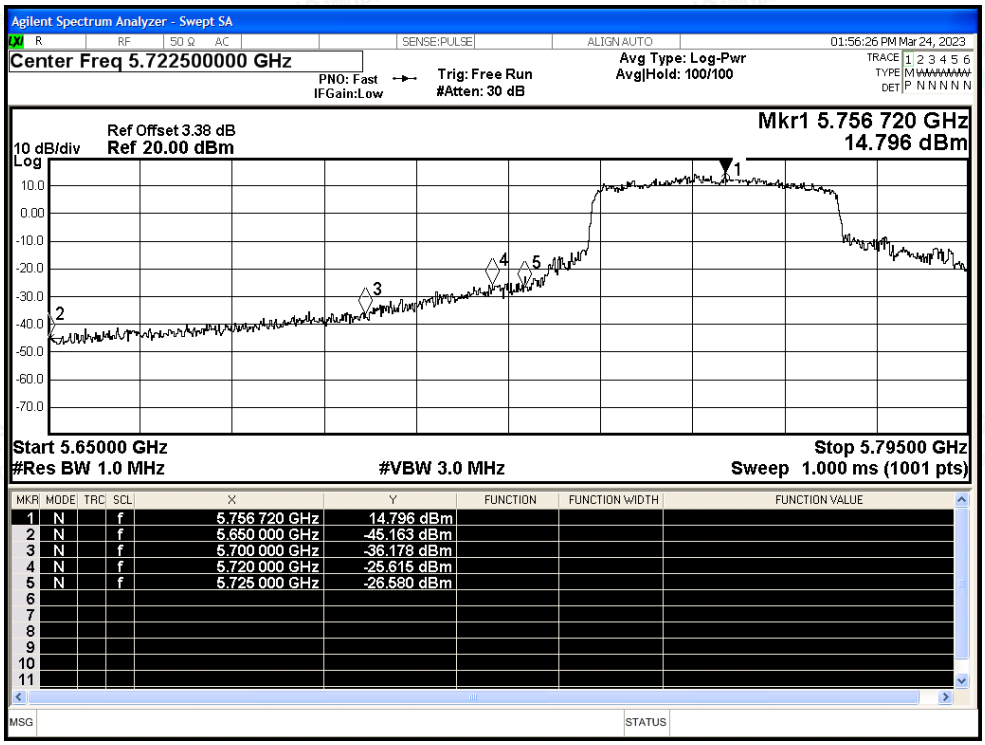
Restrict Band NVNT ax20 5825MHz Ant1 Peak



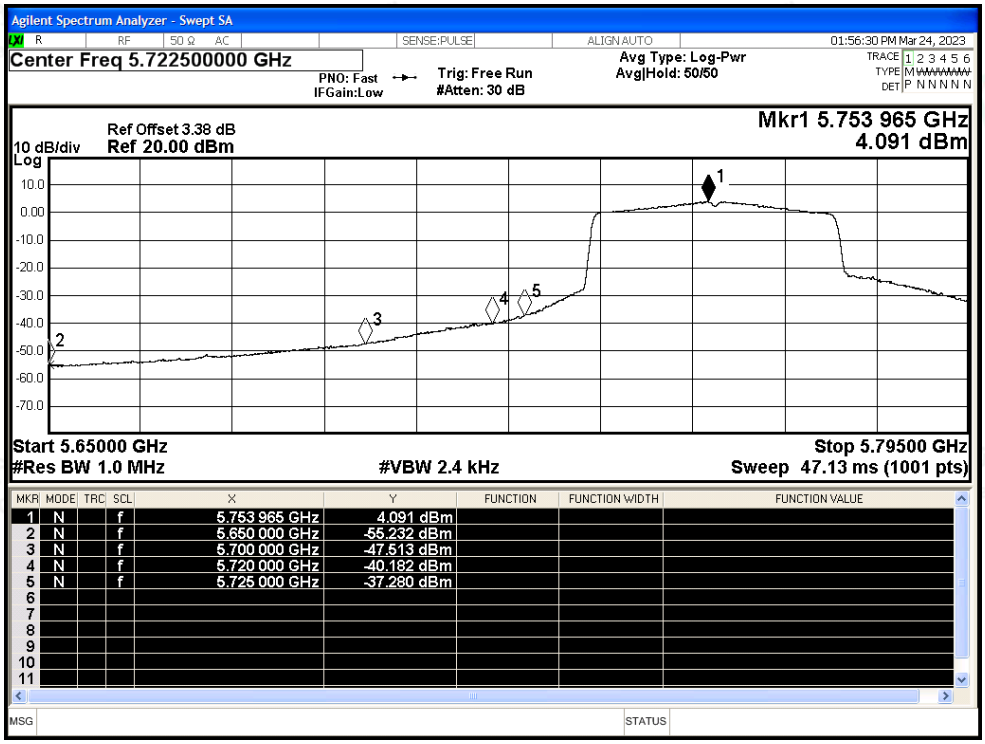

Restrict Band NVNT ax20 5825MHz Ant1 Average



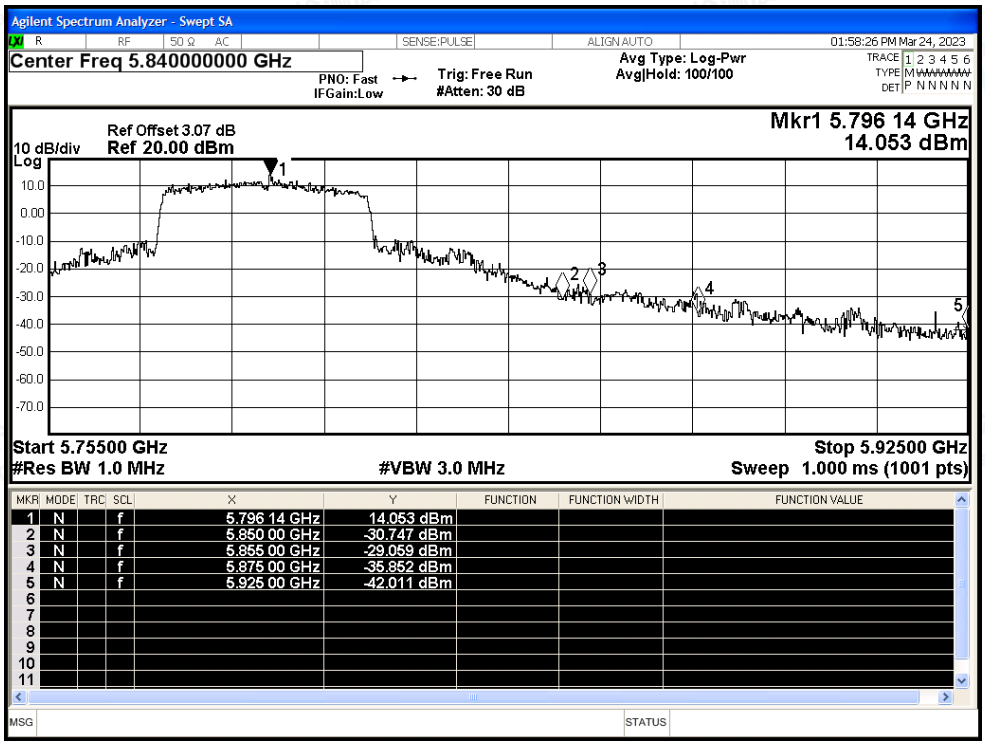
Restrict Band NVNT ax40 5755MHz Ant1 Peak



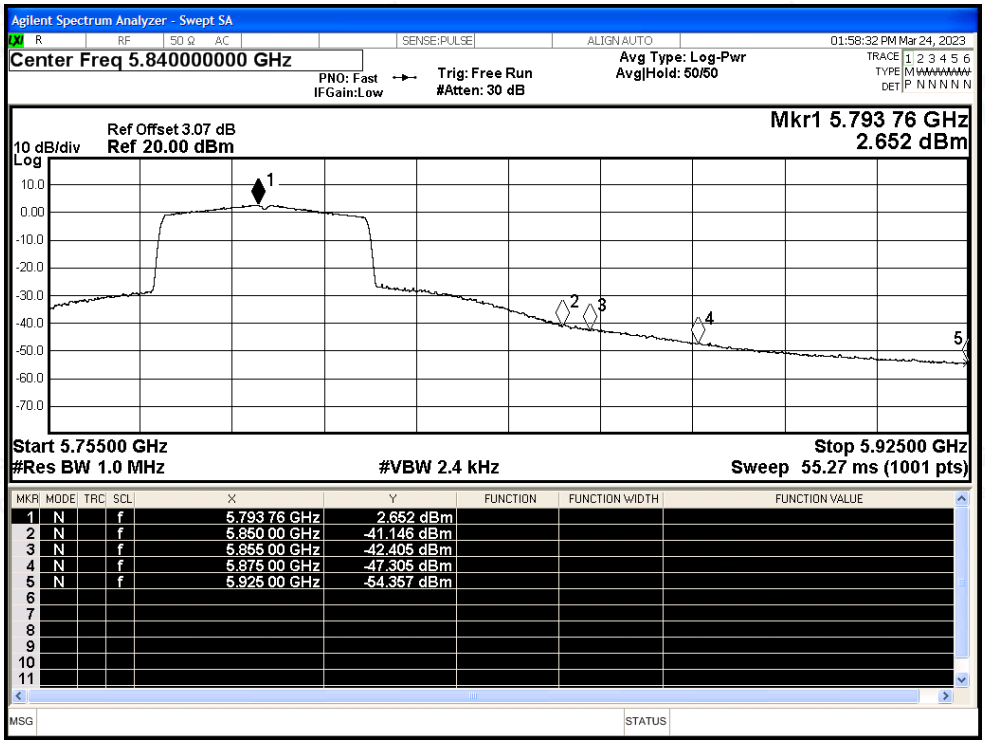

Restrict Band NVNT ax40 5755MHz Ant1 Average



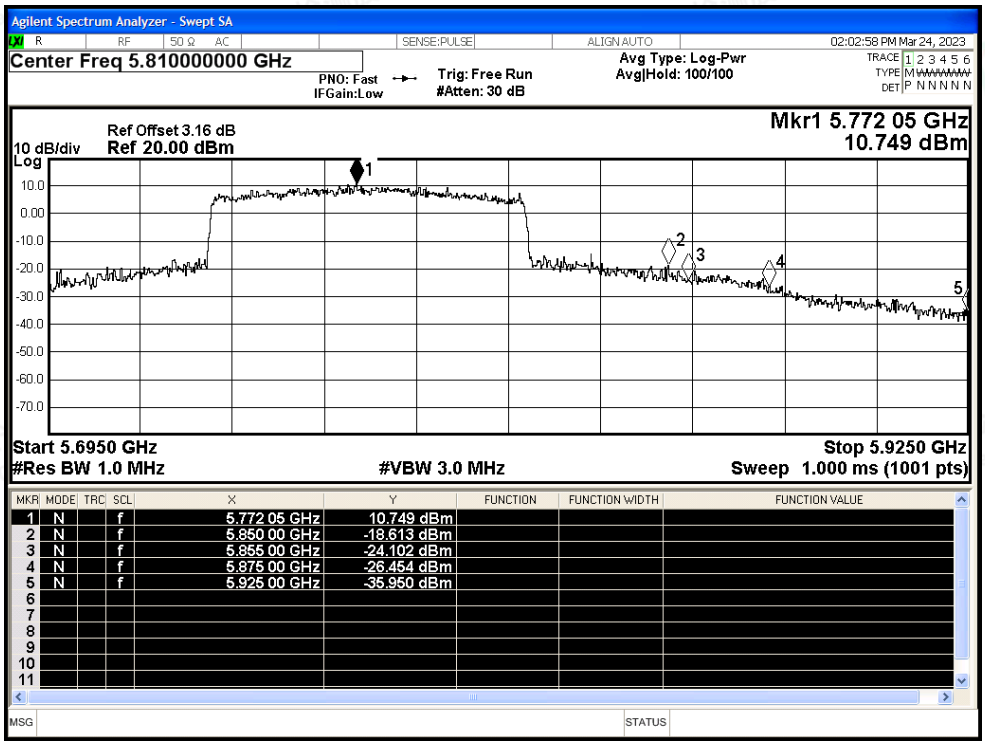
Restrict Band NVNT ax40 5795MHz Ant1 Peak



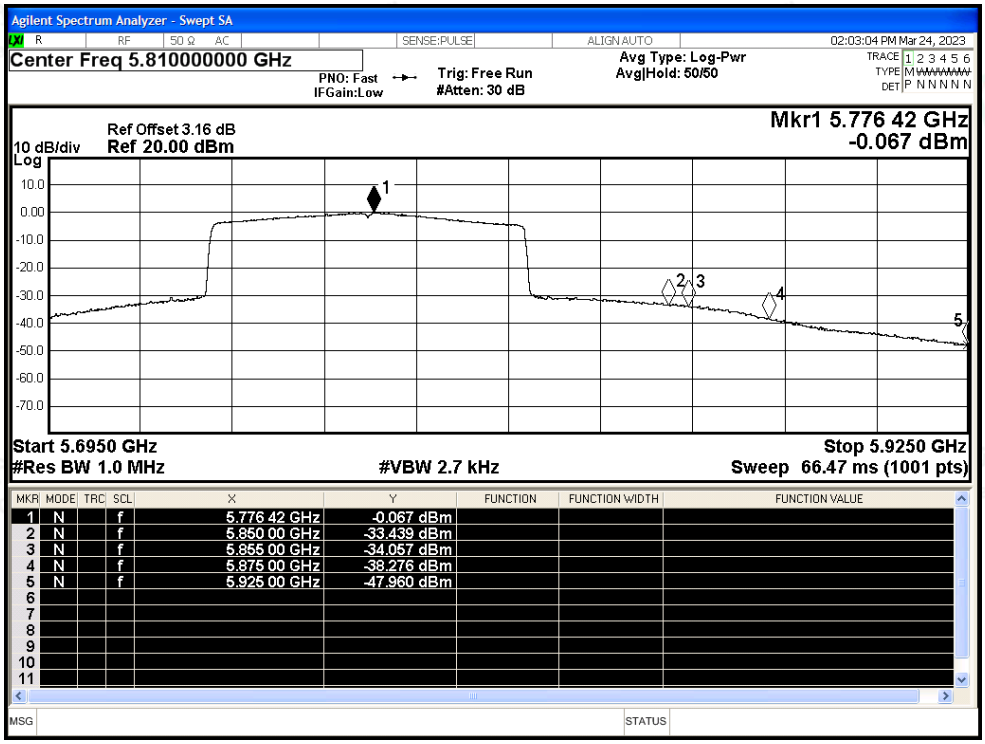

Restrict Band NVNT ax40 5795MHz Ant1 Average



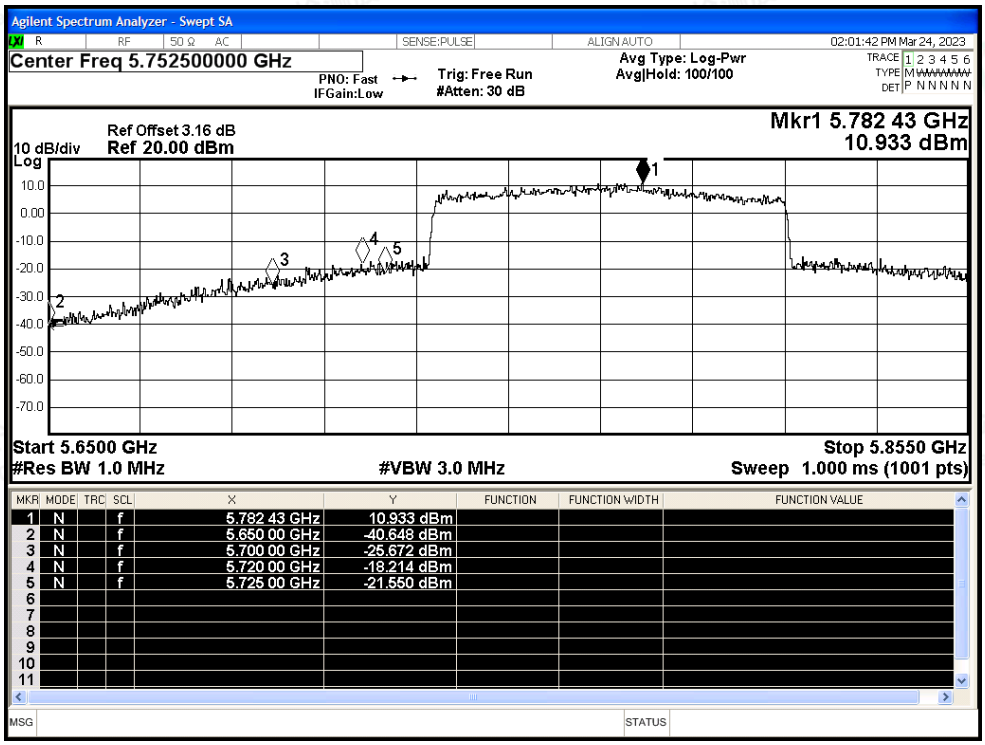
Restrict Band NVNT ax80 5775MHz Ant1 Peak



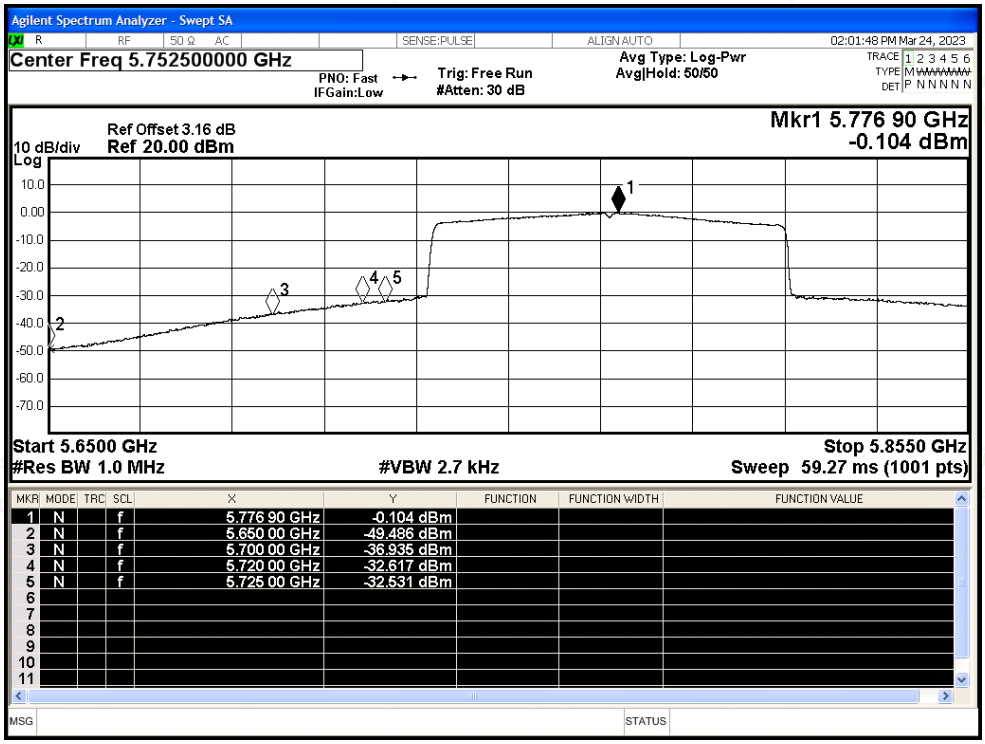

Restrict Band NVNT ax80 5775MHz Ant1 Average



Restrict Band NVNT ax80 5775MHz Ant1 Peak



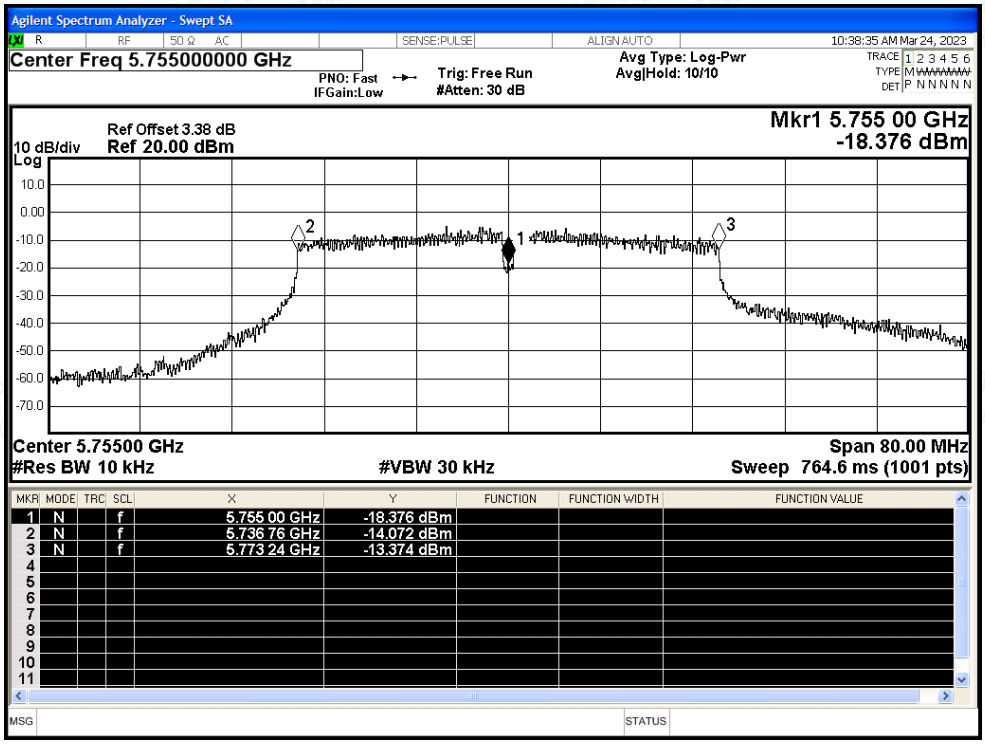

Restrict Band NVNT ax80 5775MHz Ant1 Average



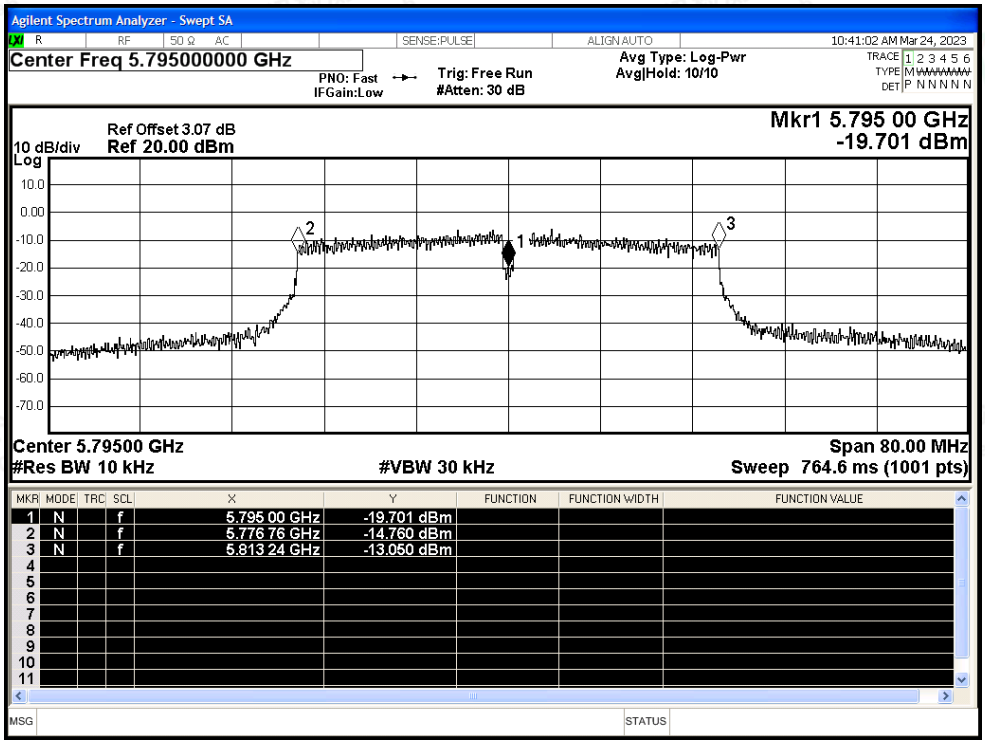
# E.5 Frequency Stability

| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | n40 | 5755 | Ant0 | 5755 | 0 | 0 | 25 | Pass |
| NVNT | n40 | 5795 | Ant0 | 5795 | 0 | 0 | 25 | Pass |
| NVNT | ac20 | 5745 | Ant0 | 5745.02 | 20000 | 3.48 | 25 | Pass |
| NVNT | ac20 | 5785 | Ant0 | 5784.98 | -20000 | -3.46 | 25 | Pass |
| NVNT | ac20 | 5825 | Ant0 | 5825 | 0 | 0 | 25 | Pass |
| NVNT | ac40 | 5755 | Ant0 | 5755 | 0 | 0 | 25 | Pass |
| NVNT | ac40 | 5795 | Ant0 | 5795 | 0 | 0 | 25 | Pass |
| NVNT | ac80 | 5775 | Ant0 | 5775 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5745 | Ant0 | 5745 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5785 | Ant0 | 5785 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5825 | Ant0 | 5825 | 0 | 0 | 25 | Pass |
| NVNT | ax40 | 5755 | Ant0 | 5755 | 0 | 0 | 25 | Pass |
| NVNT | ax40 | 5795 | Ant0 | 5794.96 | -40000 | -6.9 | 25 | Pass |
| NVNT | ax80 | 5775 | Ant0 | 5775 | 0 | 0 | 25 | Pass |

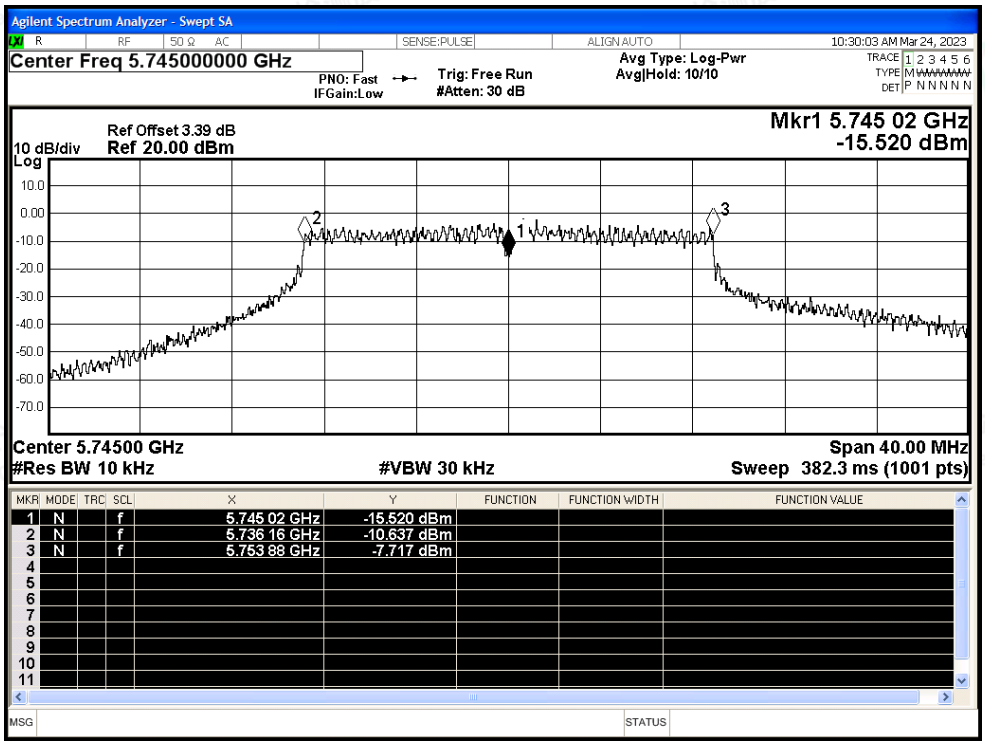
| Test Graphs |
| --- |
| Freq. Stability NVNT n40 5755MHz Ant0 |



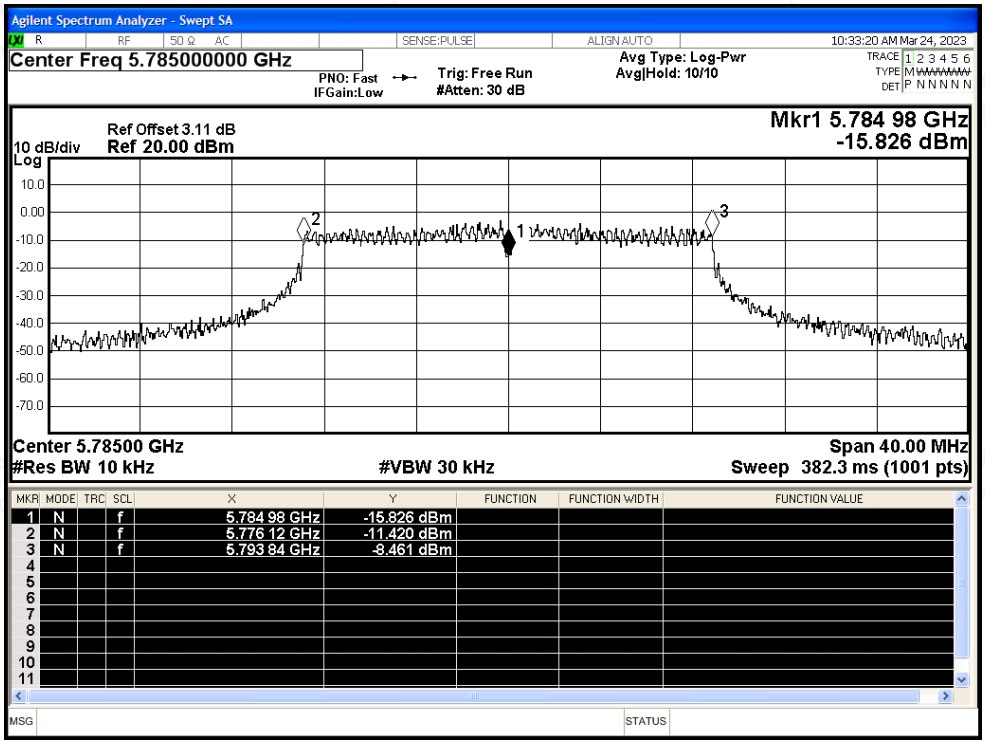

| Freq. Stability NVNT n40 5795MHz Ant0 |
| --- |



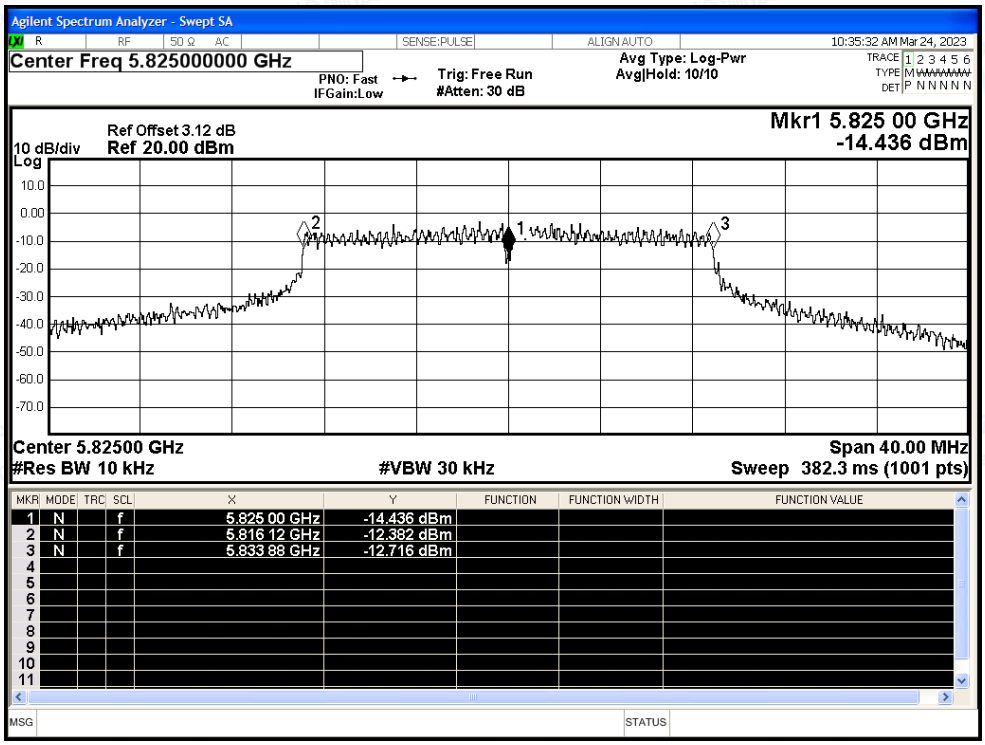
Freq. Stability NVNT ac20 5745MHz Ant0



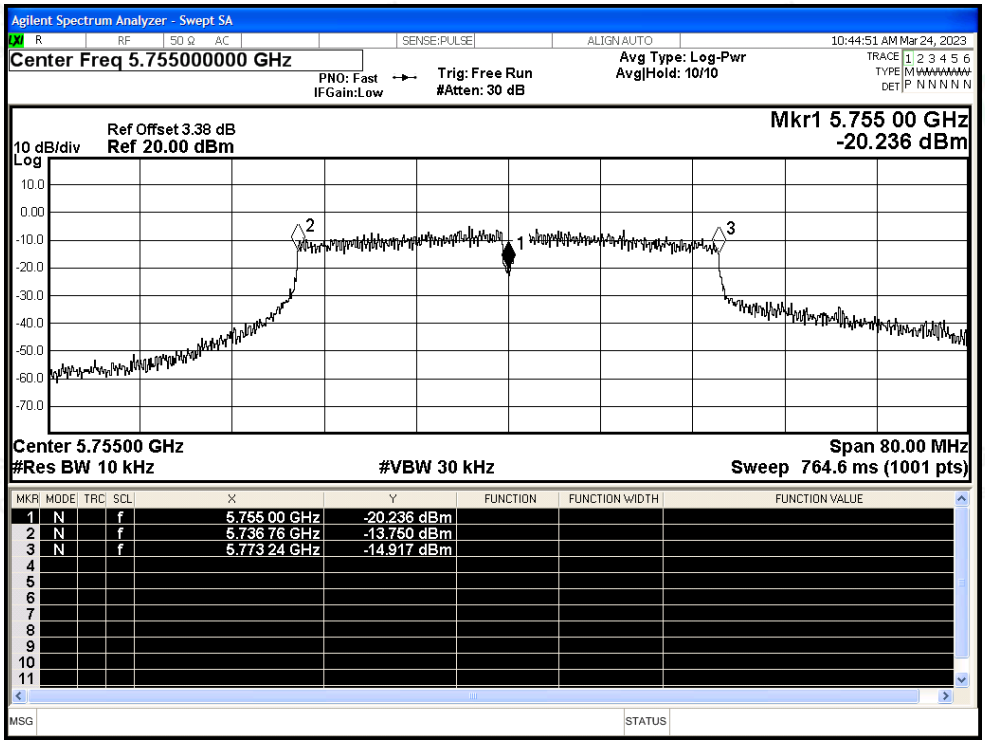

Freq. Stability NVNT ac20 5785MHz Ant0



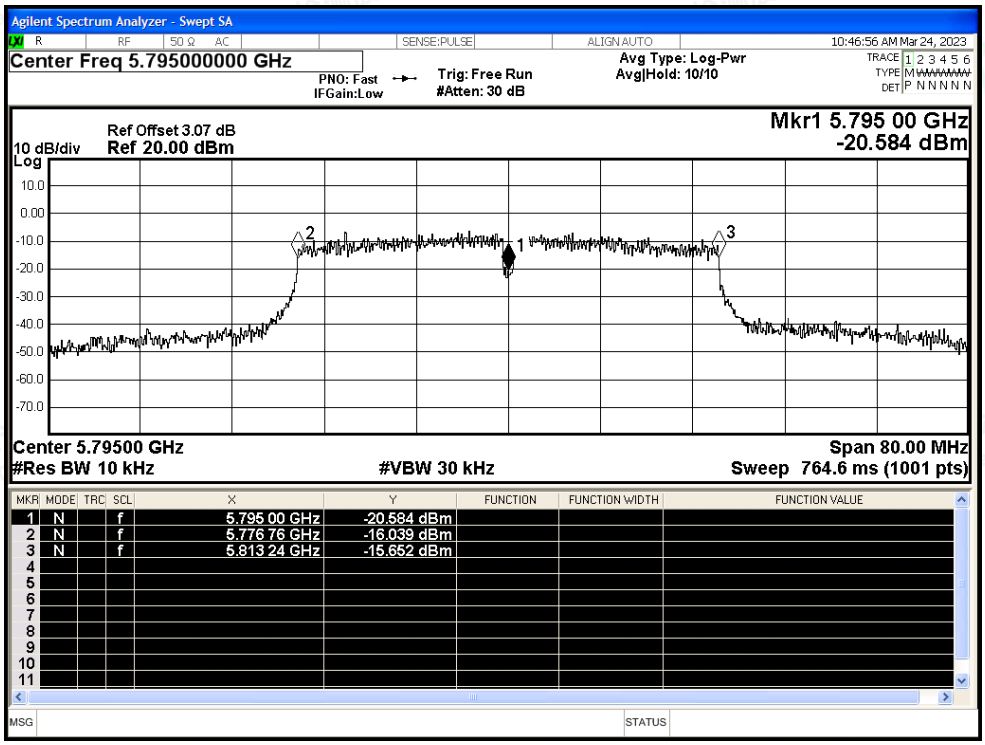
Freq. Stability NVNT ac20 5825MHz Ant0



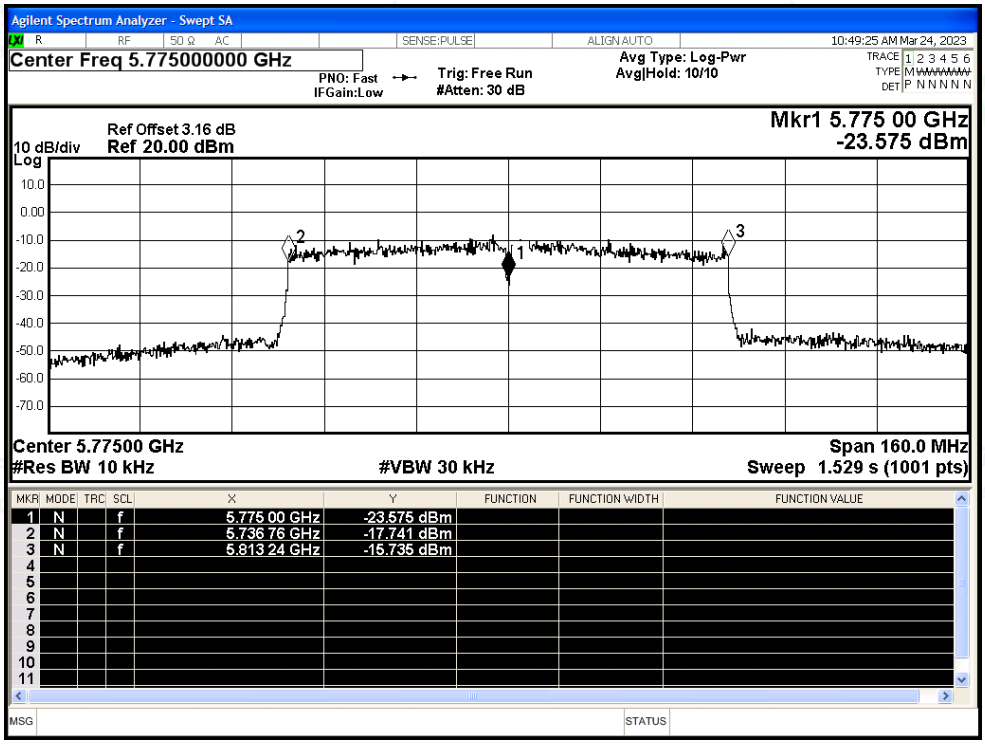

Freq. Stability NVNT ac40 5755MHz Ant0



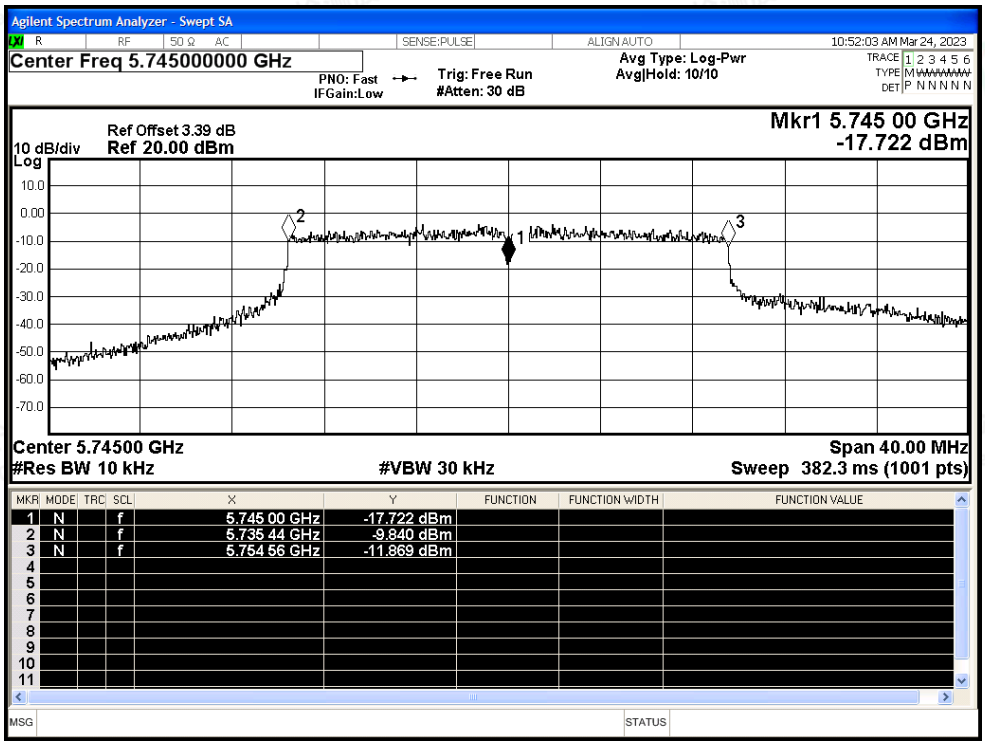
Freq. Stability NVNT ac40 5795MHz Ant0



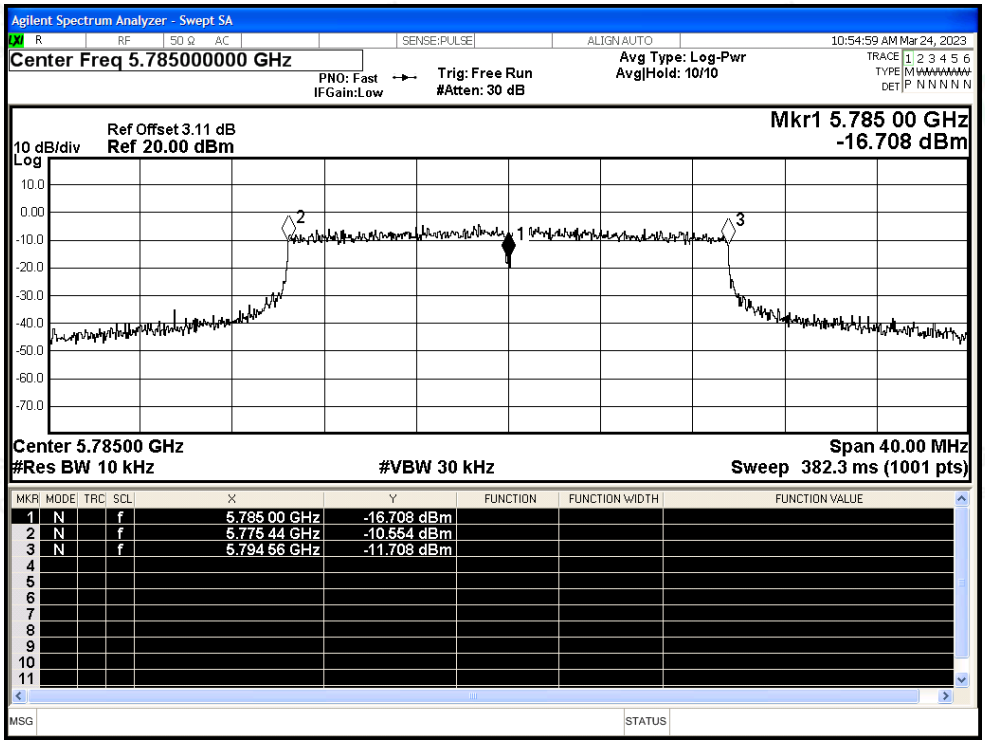

Freq. Stability NVNT ac80 5775MHz Ant0



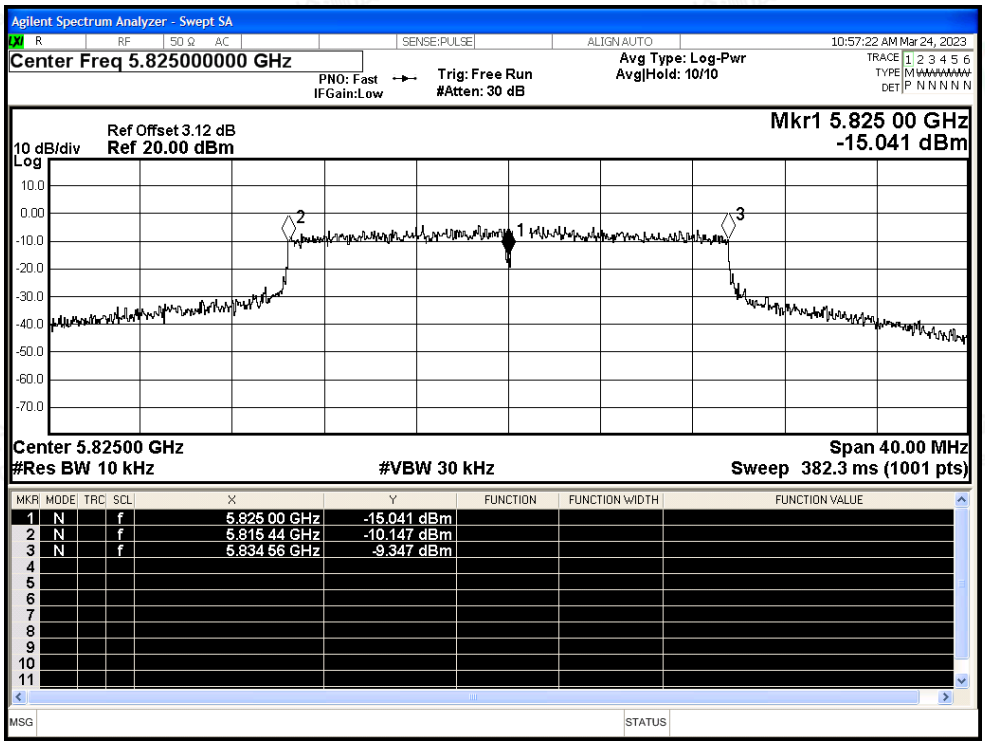
Freq. Stability NVNT ax20 5745MHz Ant0



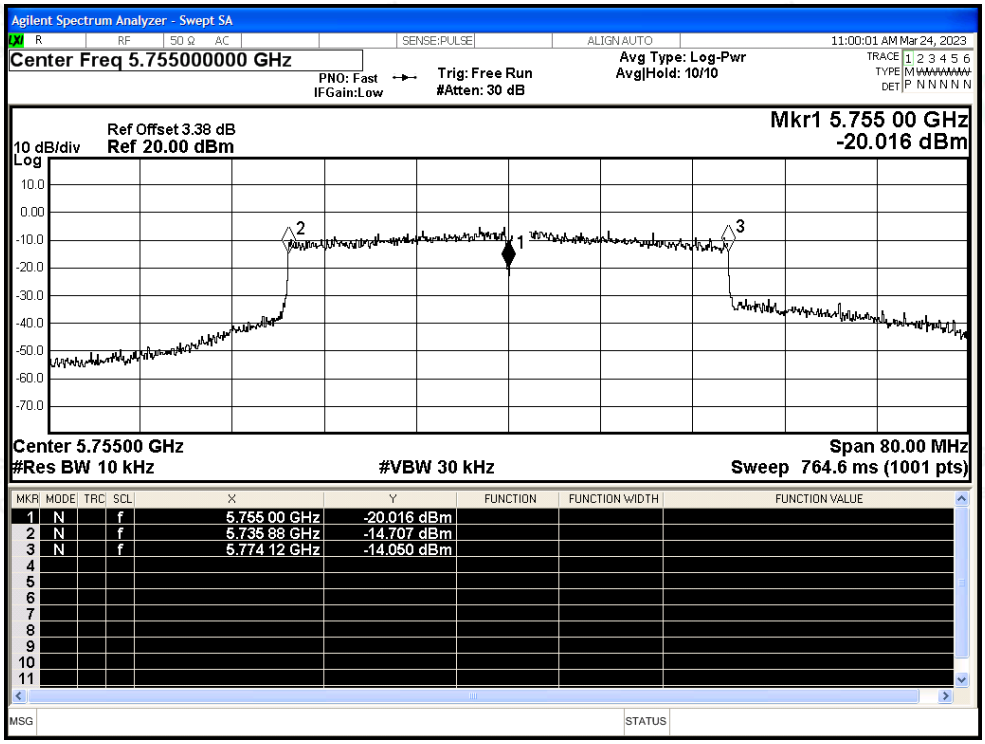

Freq. Stability NVNT ax20 5785MHz Ant0



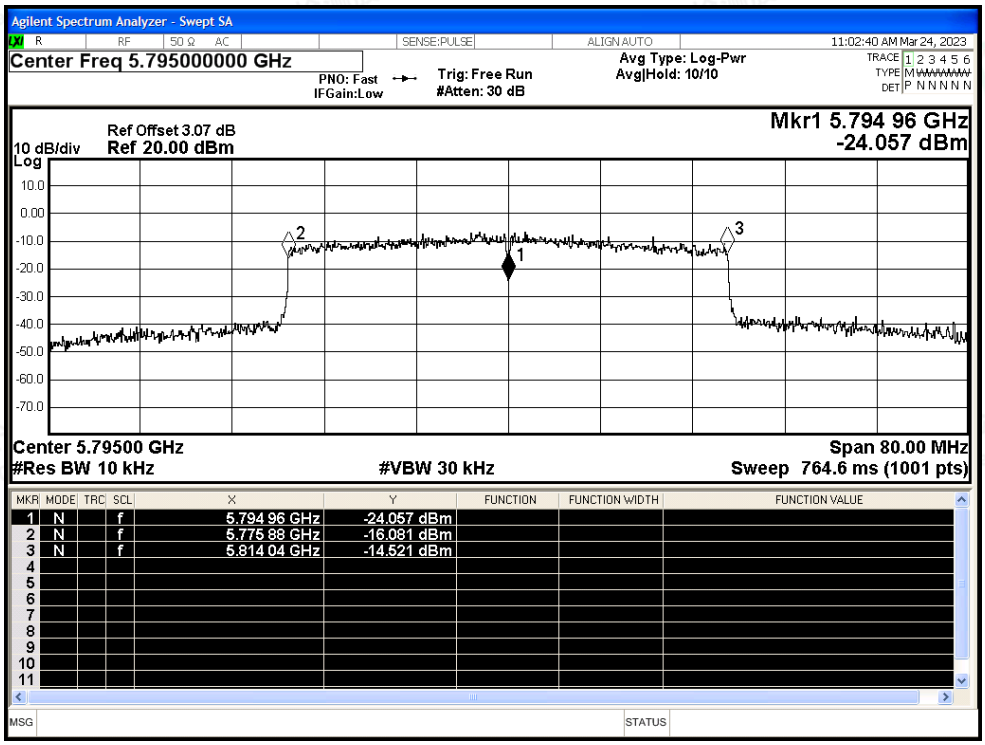
Freq. Stability NVNT ax20 5825MHz Ant0



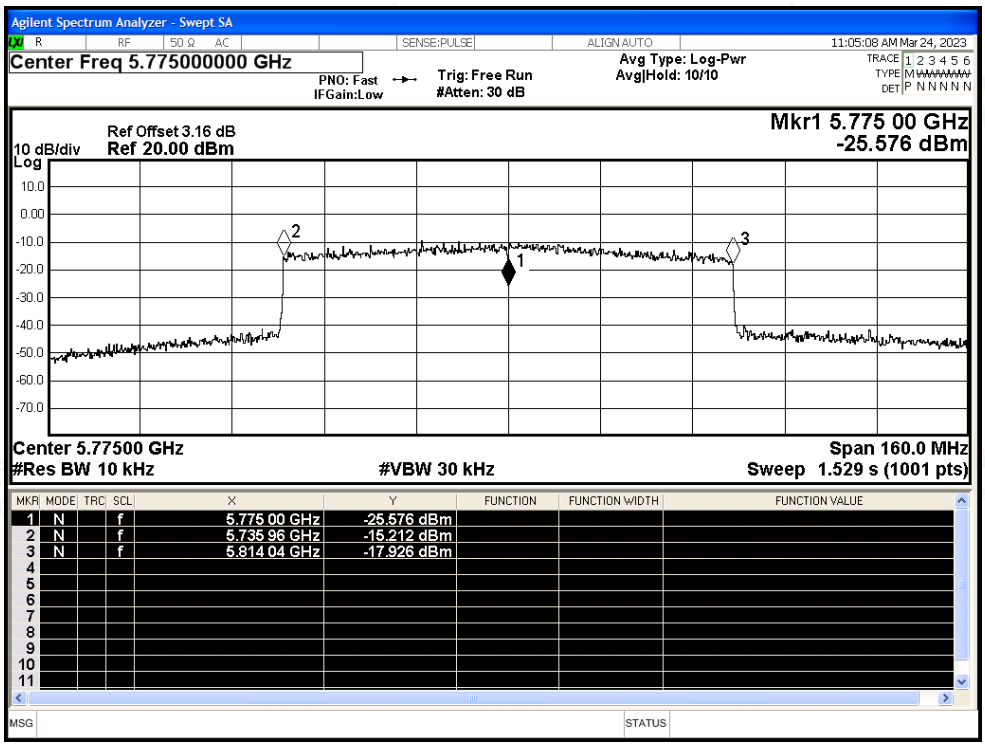

Freq. Stability NVNT ax40 5755MHz Ant0



Freq. Stability NVNT ax40 5795MHz Ant0

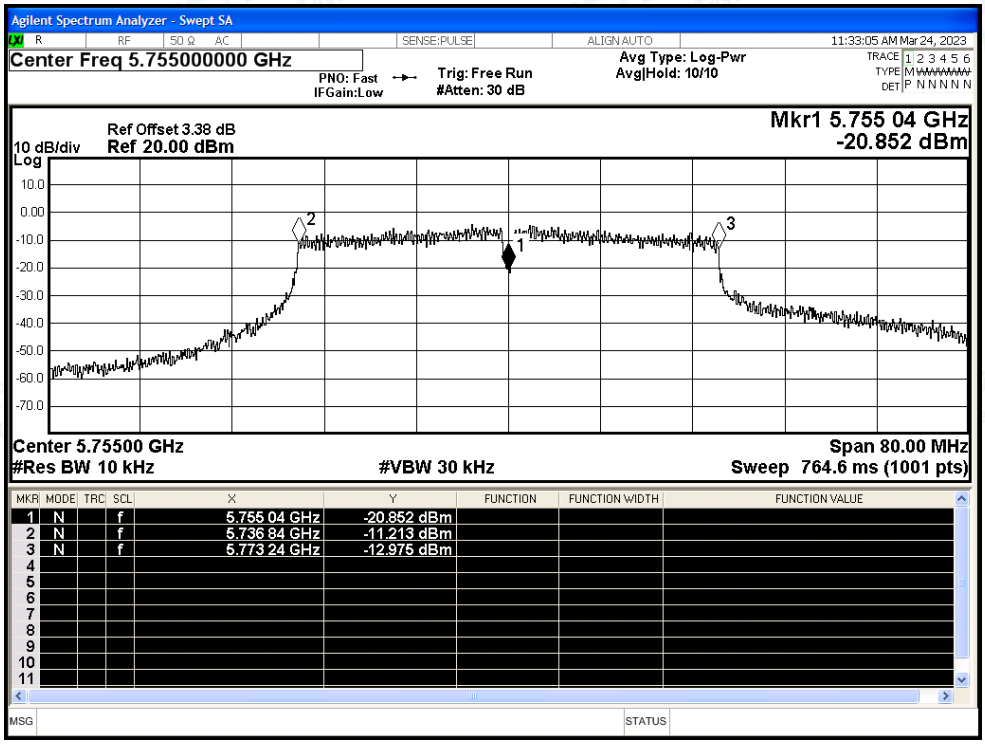



Freq. Stability NVNT ax80 5775MHz Ant0

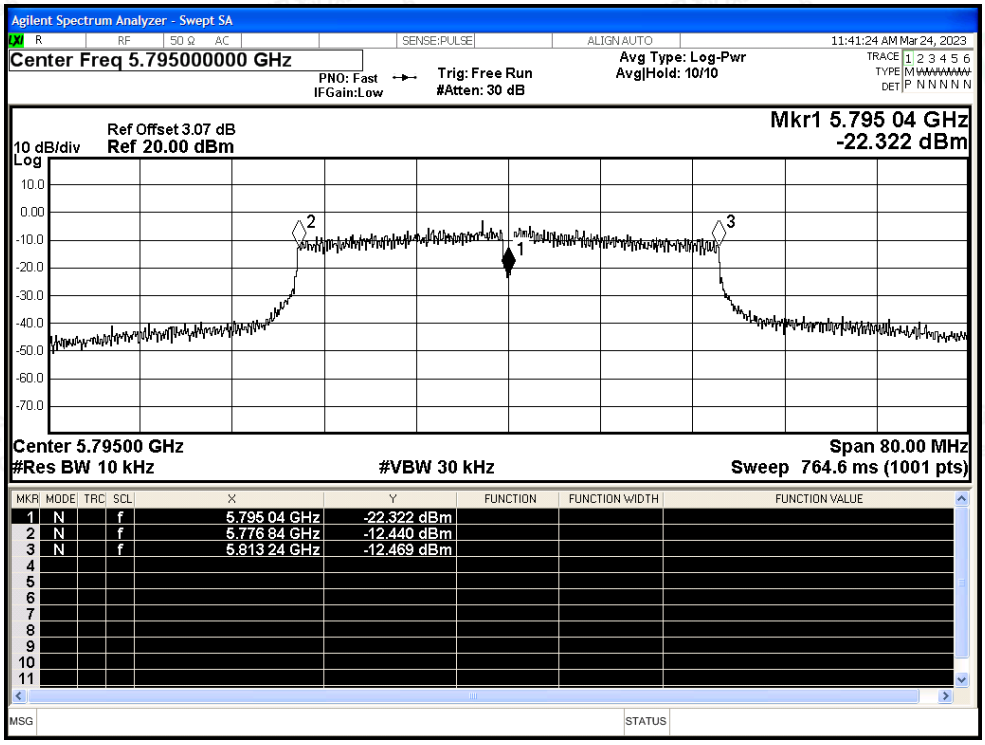


| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | n40 | 5755 | Ant1 | 5755.04 | 40000 | 6.95 | 25 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5795.04 | 40000 | 6.9 | 25 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5745 | 0 | 0 | 25 | Pass |
| NVNT | ac20 | 5785 | Ant1 | 5785.02 | 20000 | 3.46 | 25 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5825 | 0 | 0 | 25 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5755 | 0 | 0 | 25 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5795 | 0 | 0 | 25 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5775 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5745 | Ant1 | 5745 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5785 | Ant1 | 5785 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5825 | Ant1 | 5825 | 0 | 0 | 25 | Pass |
| NVNT | ax40 | 5755 | Ant1 | 5755 | 0 | 0 | 25 | Pass |
| NVNT | ax40 | 5795 | Ant1 | 5795.04 | 40000 | 6.9 | 25 | Pass |
| NVNT | ax80 | 5775 | Ant1 | 5775 | 0 | 0 | 25 | Pass |

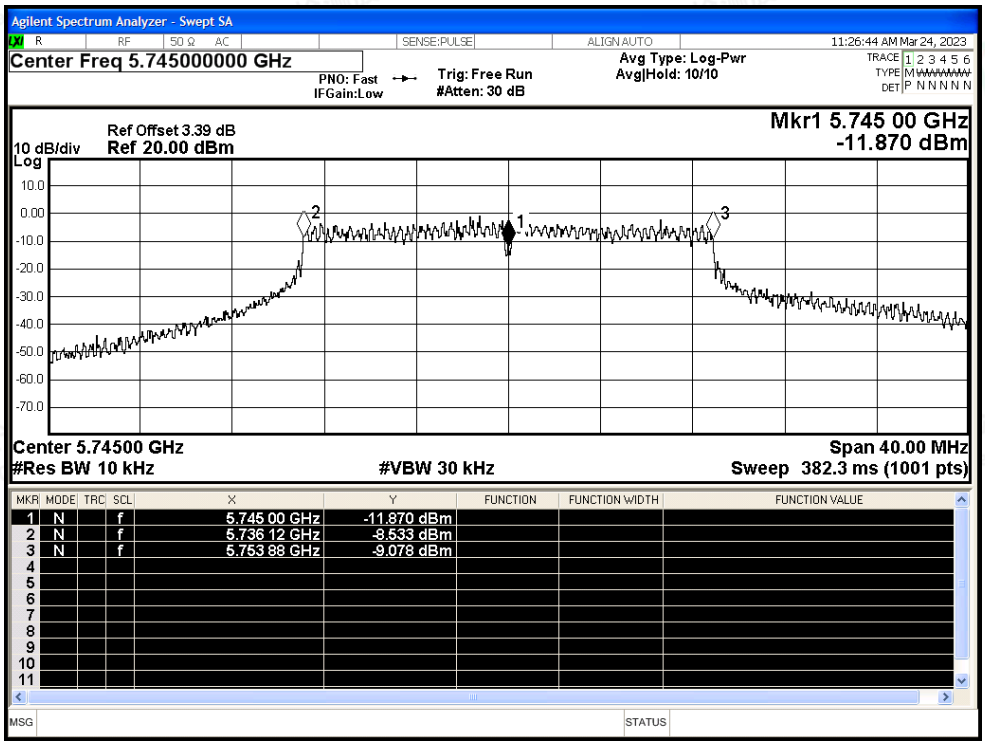
| Test Graphs |
| --- |
| Freq. Stability NVNT n40 5755MHz Ant1 |



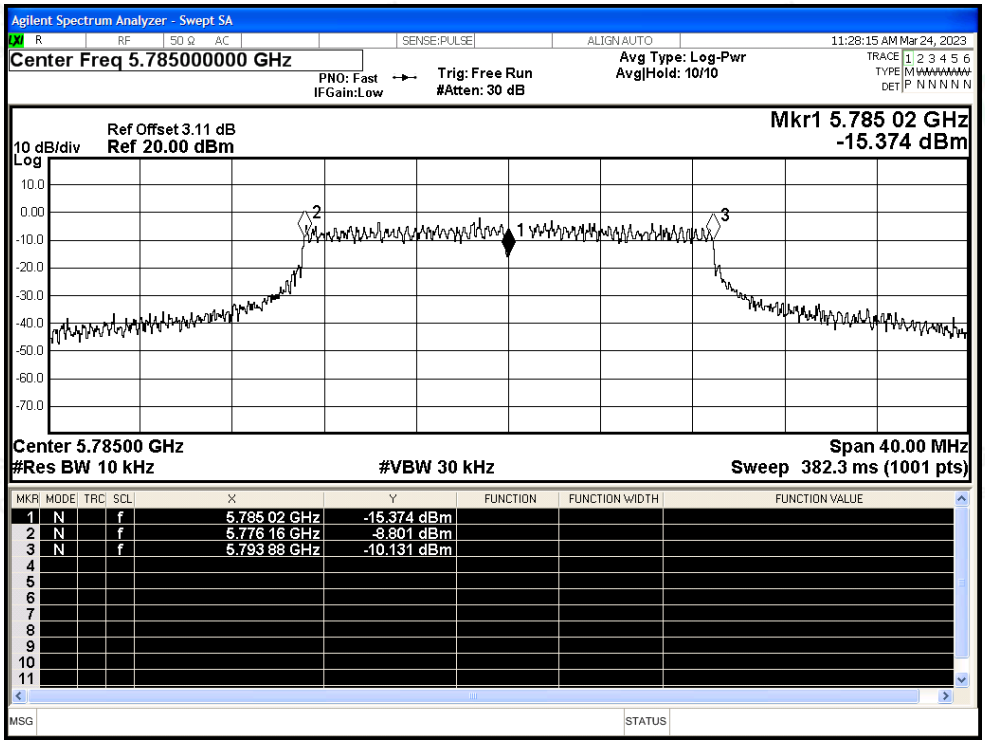

| Freq. Stability NVNT n40 5795MHz Ant1 |
| --- |



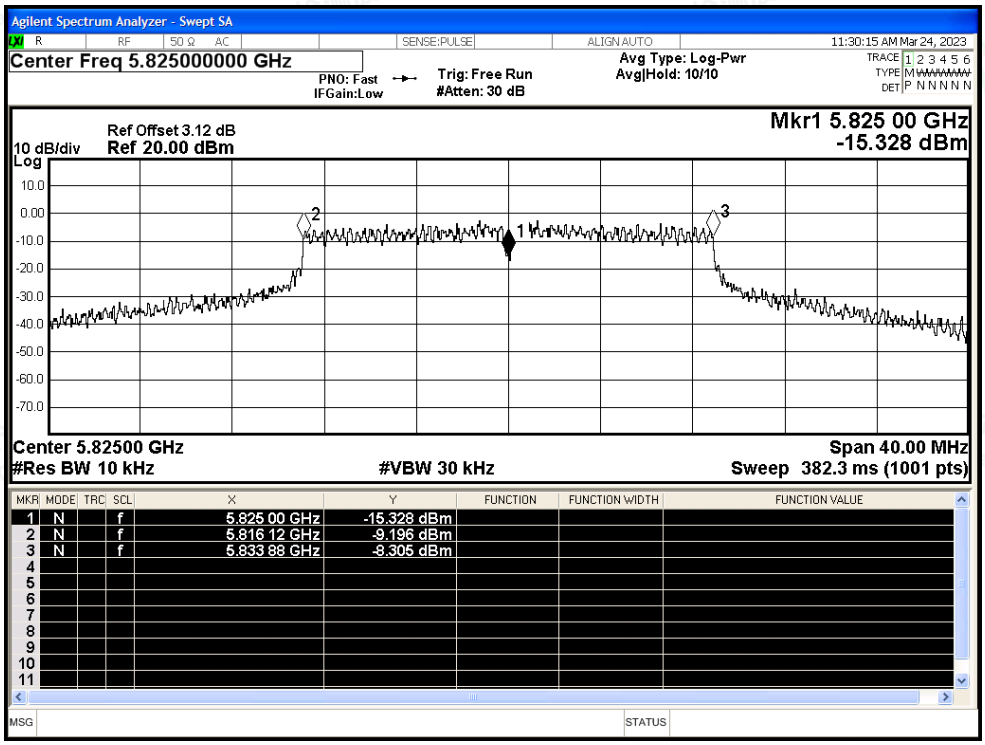
Freq. Stability NVNT ac20 5745MHz Ant1



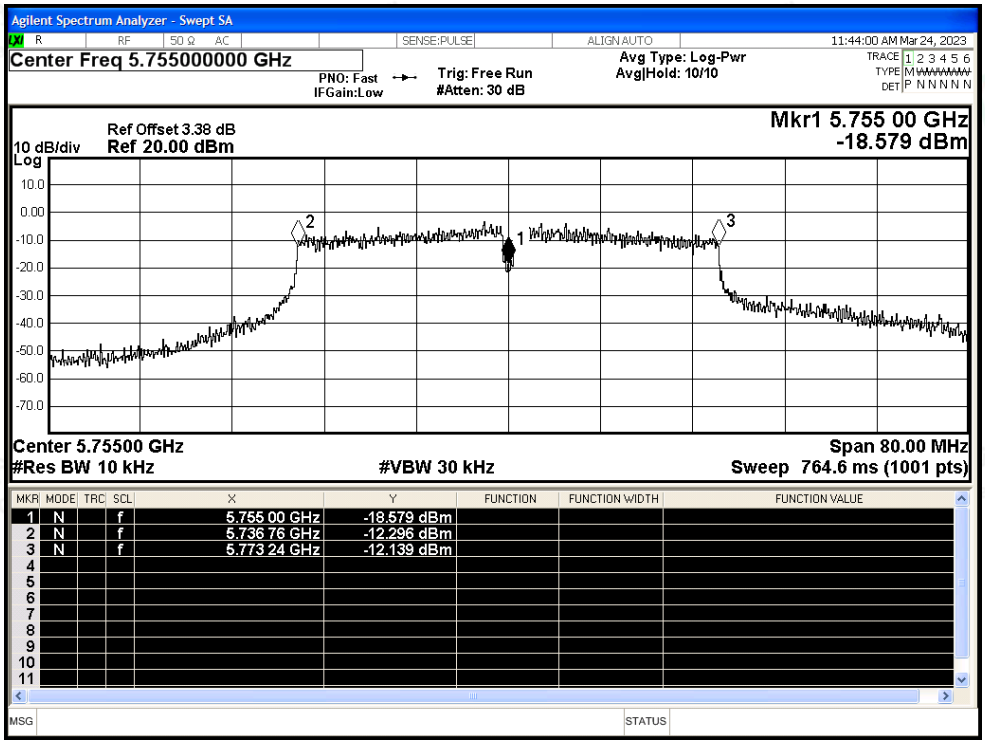

Freq. Stability NVNT ac20 5785MHz Ant1



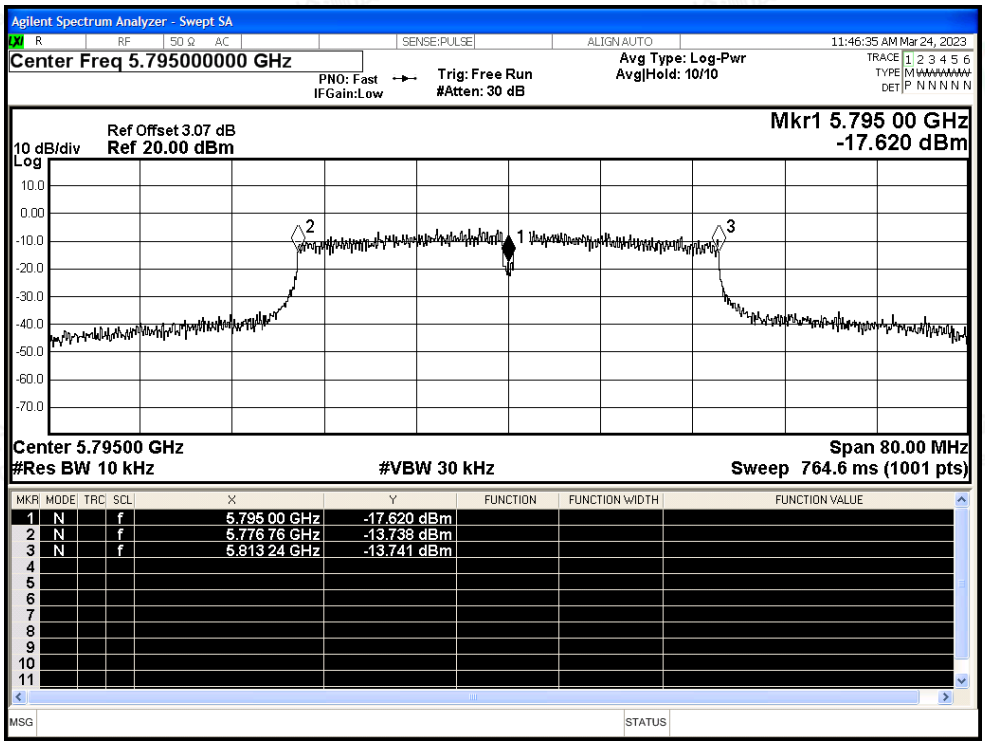
Freq. Stability NVNT ac20 5825MHz Ant1



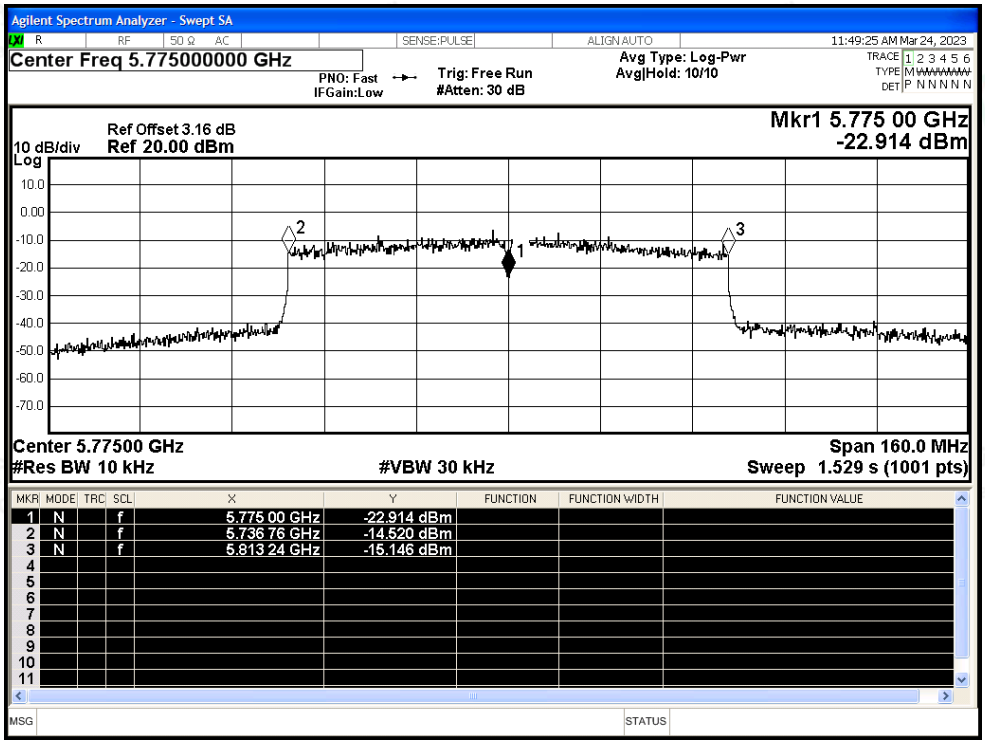

Freq. Stability NVNT ac40 5755MHz Ant1



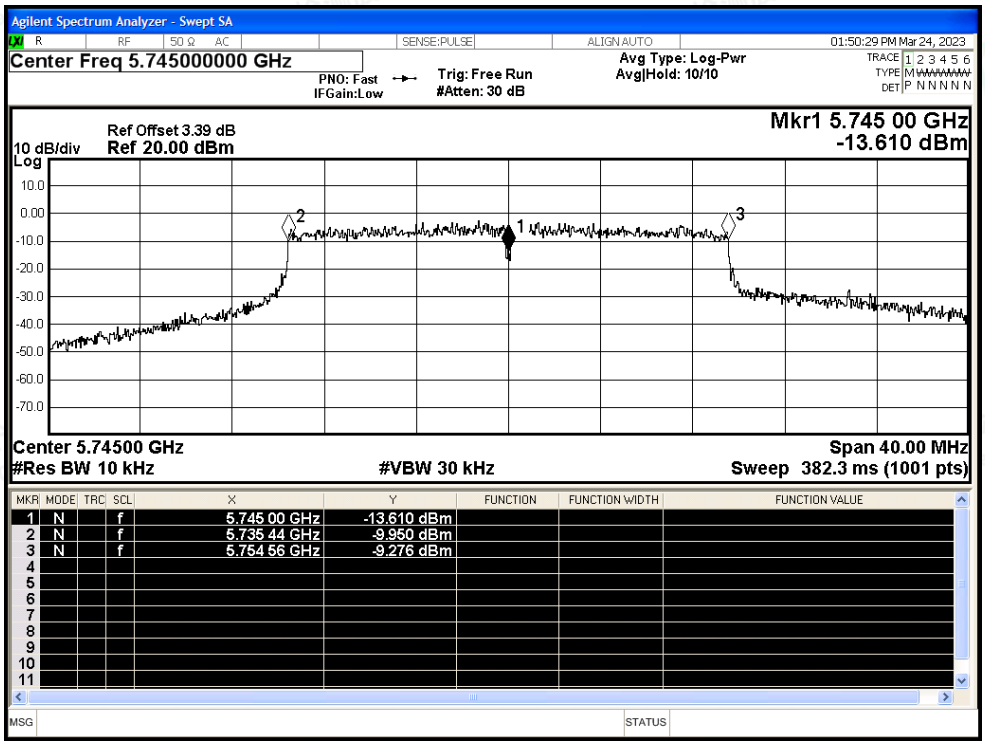
Freq. Stability NVNT ac40 5795MHz Ant1



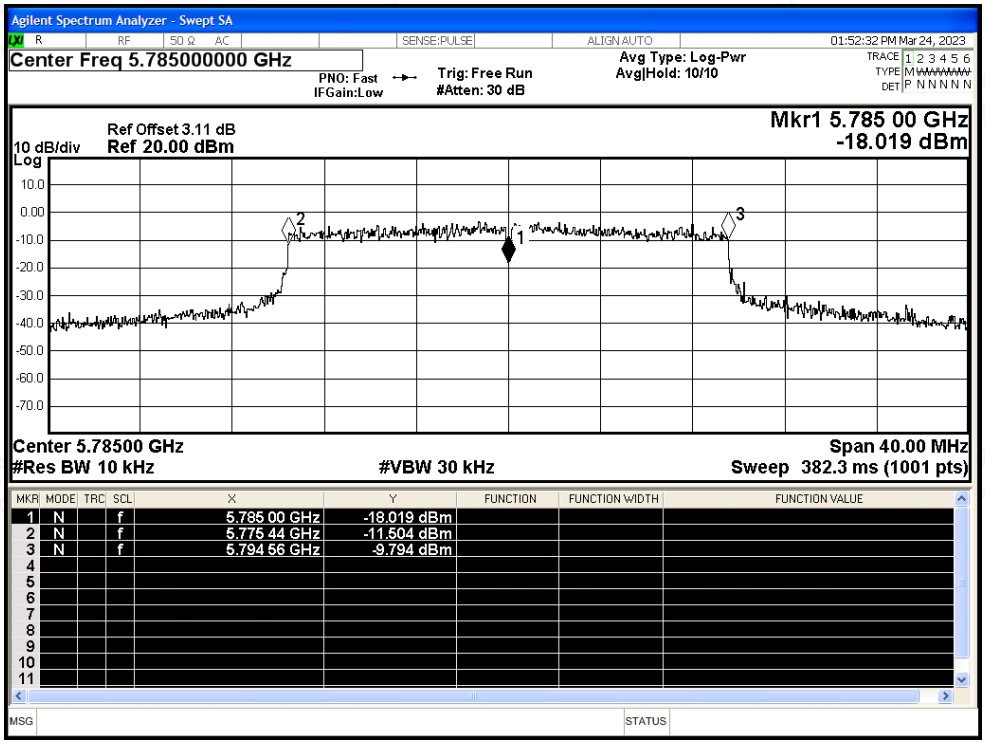

Freq. Stability NVNT ac80 5775MHz Ant1



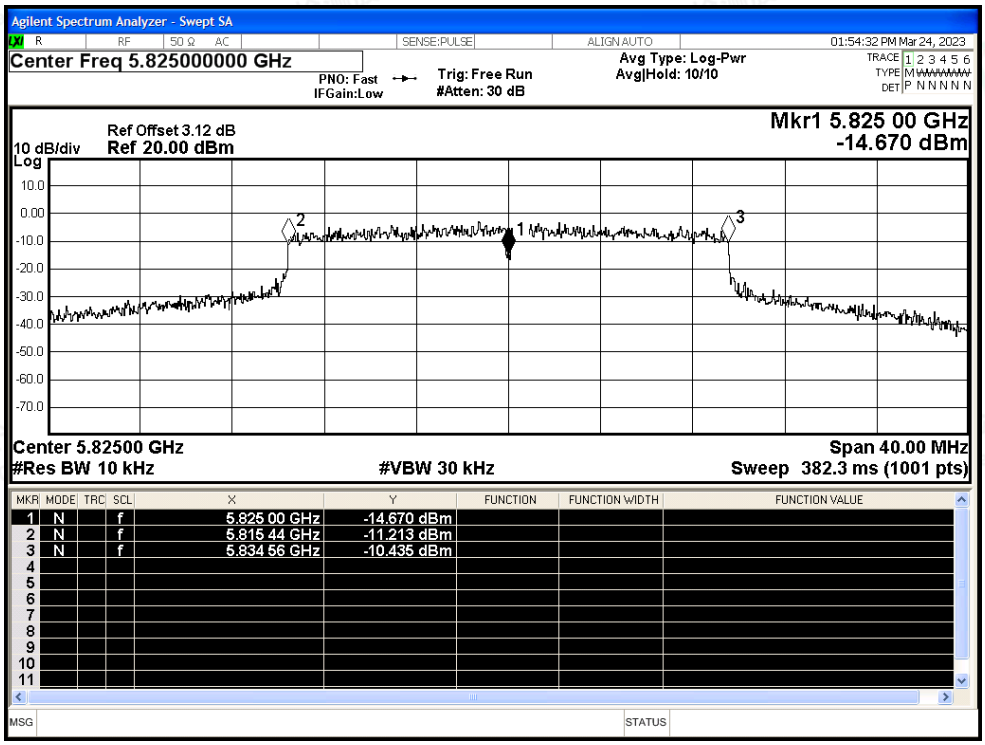
Freq. Stability NVNT ax20 5745MHz Ant1



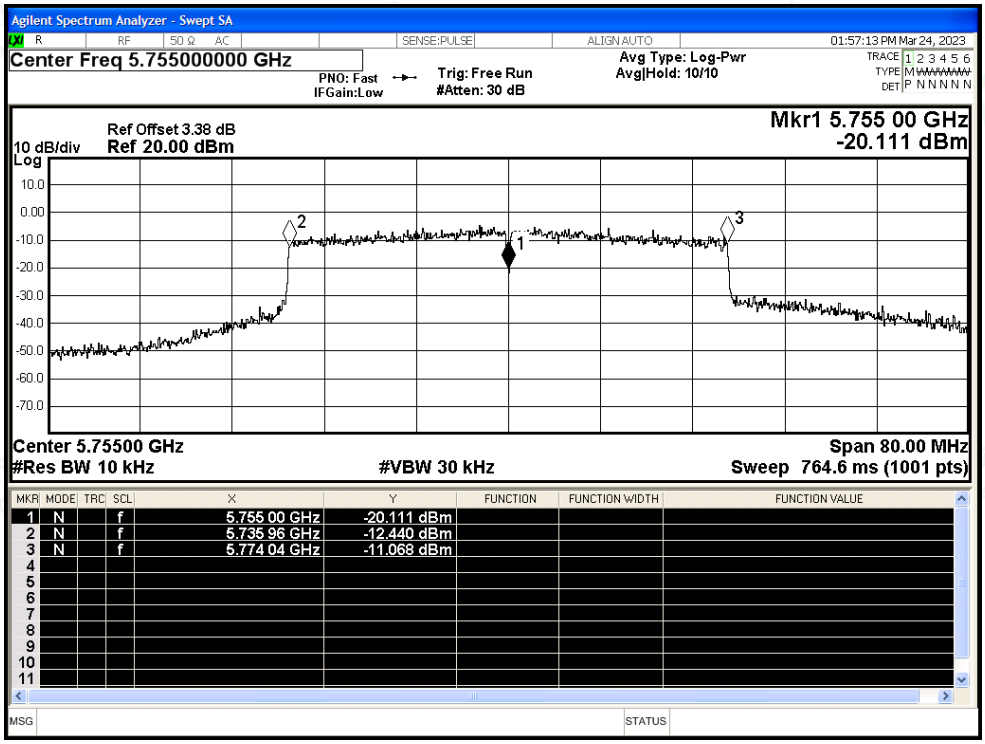

Freq. Stability NVNT ax20 5785MHz Ant1



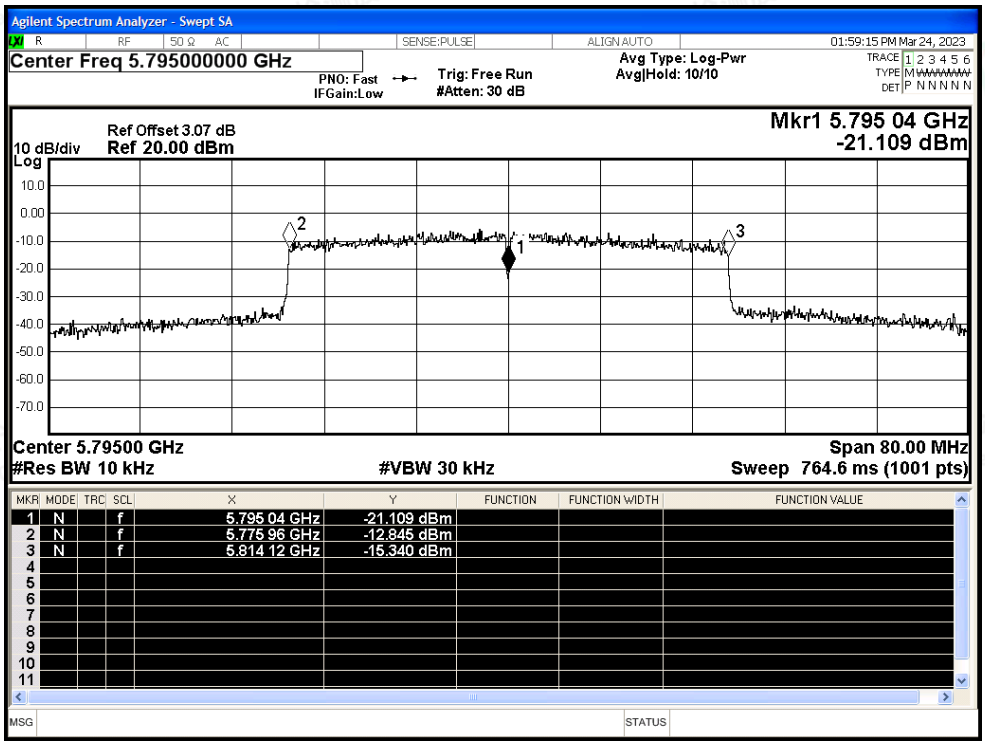
Freq. Stability NVNT ax20 5825MHz Ant1



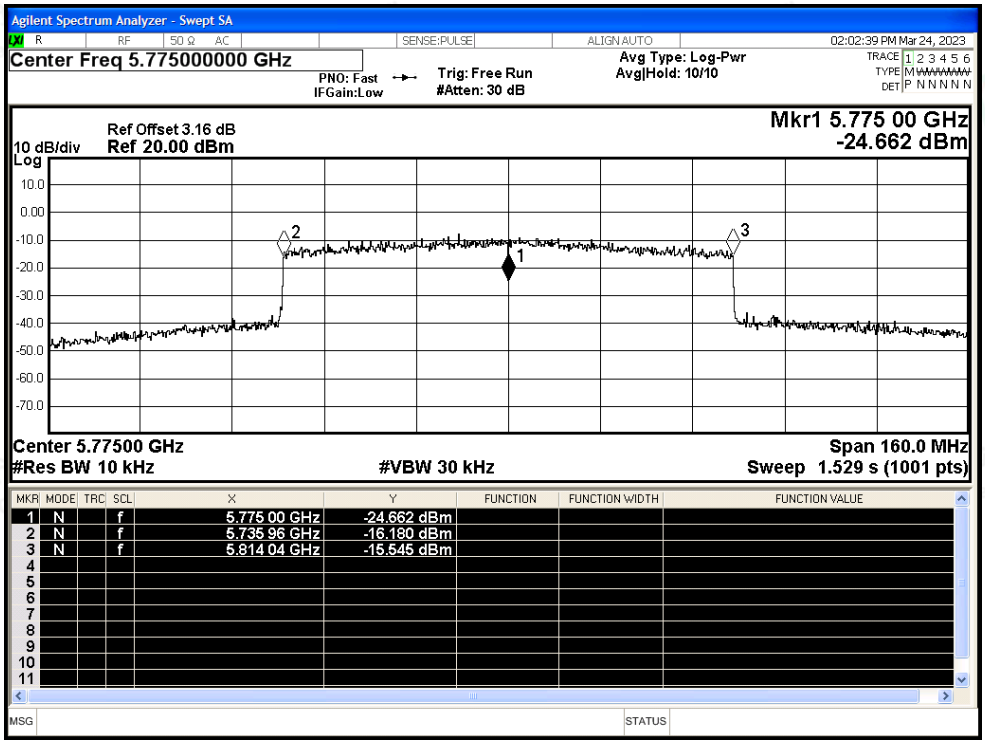

Freq. Stability NVNT ax40 5755MHz Ant1



Freq. Stability NVNT ax40 5795MHz Ant1

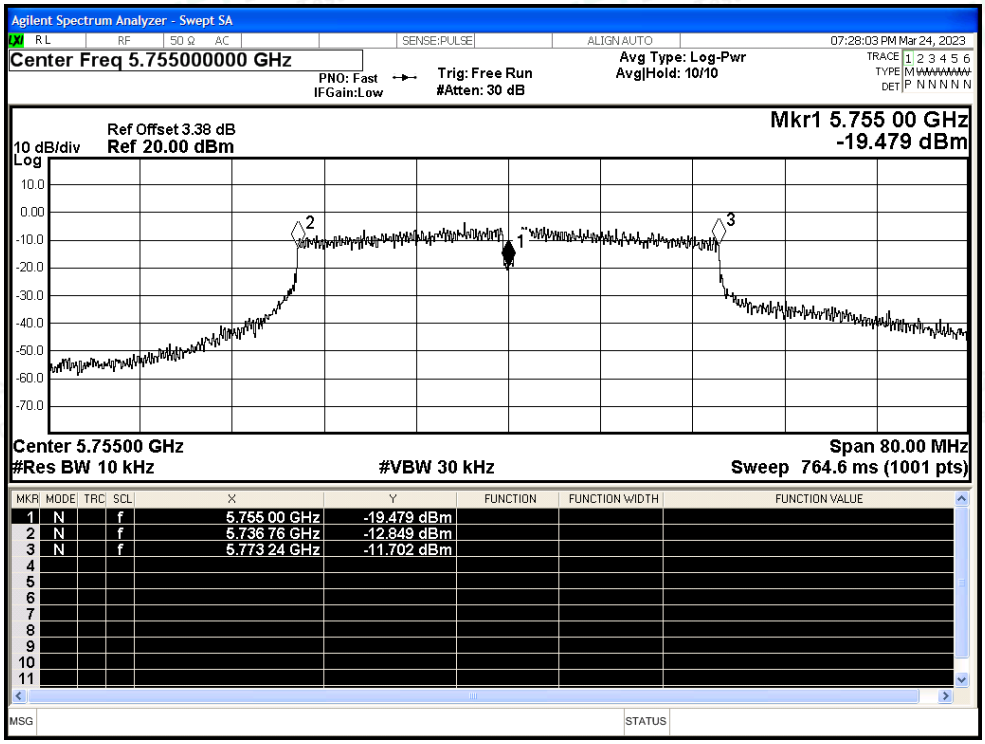



Freq. Stability NVNT ax80 5775MHz Ant1

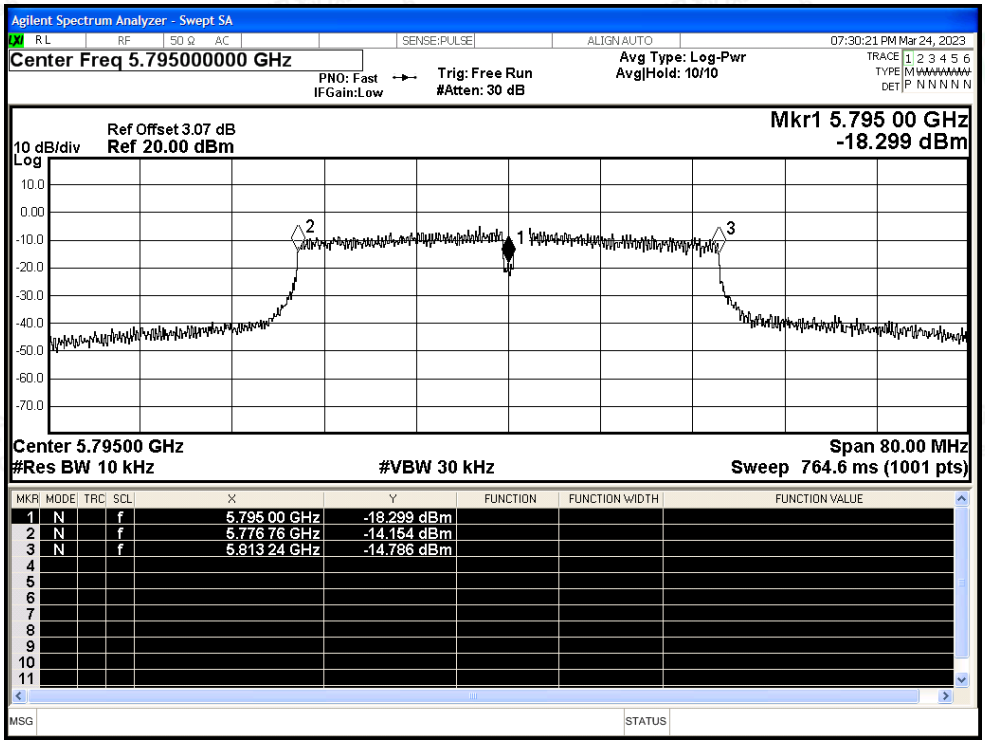


| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | n40 | 5755 | Ant2 | 5755 | 0 | 0 | 25 | Pass |
| NVNT | n40 | 5795 | Ant2 | 5795 | 0 | 0 | 25 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 5745.02 | 20000 | 3.48 | 25 | Pass |
| NVNT | ac20 | 5785 | Ant2 | 5785 | 0 | 0 | 25 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 5825 | 0 | 0 | 25 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95 | 25 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 5795 | 0 | 0 | 25 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5775 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5745 | Ant2 | 5745 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5785 | Ant2 | 5785 | 0 | 0 | 25 | Pass |
| NVNT | ax20 | 5825 | Ant2 | 5825 | 0 | 0 | 25 | Pass |
| NVNT | ax40 | 5755 | Ant2 | 5755 | 0 | 0 | 25 | Pass |
| NVNT | ax40 | 5795 | Ant2 | 5795.04 | 40000 | 6.9 | 25 | Pass |
| NVNT | ax80 | 5775 | Ant2 | 5775 | 0 | 0 | 25 | Pass |

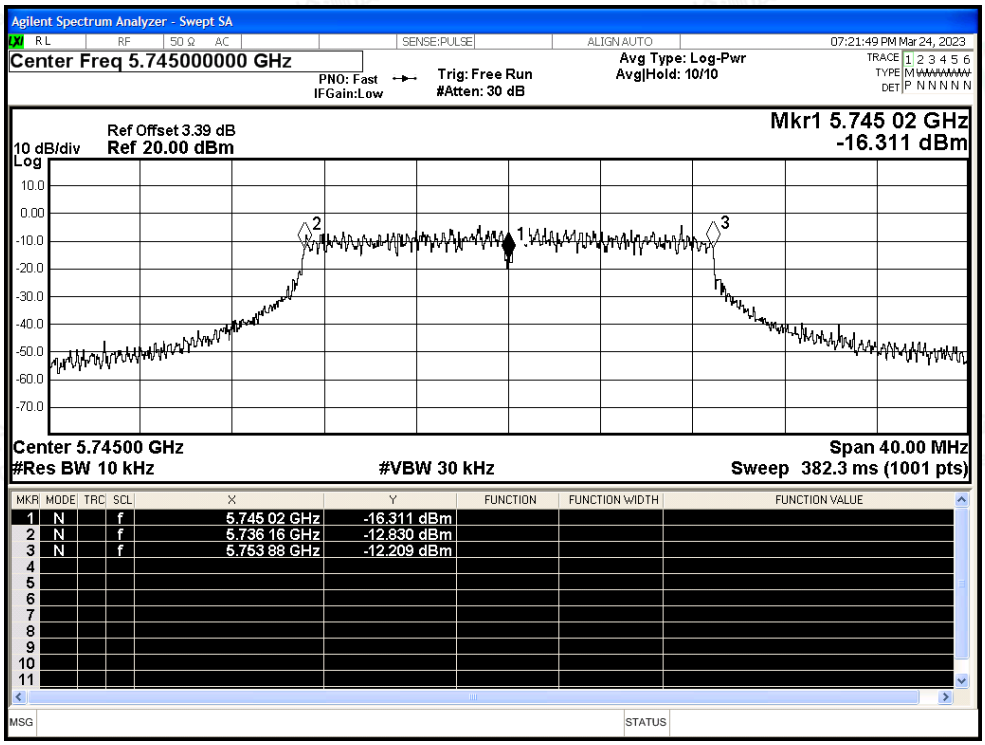
| Test Graphs |
| --- |
| Freq. Stability NVNT n40 5755MHz Ant2 |



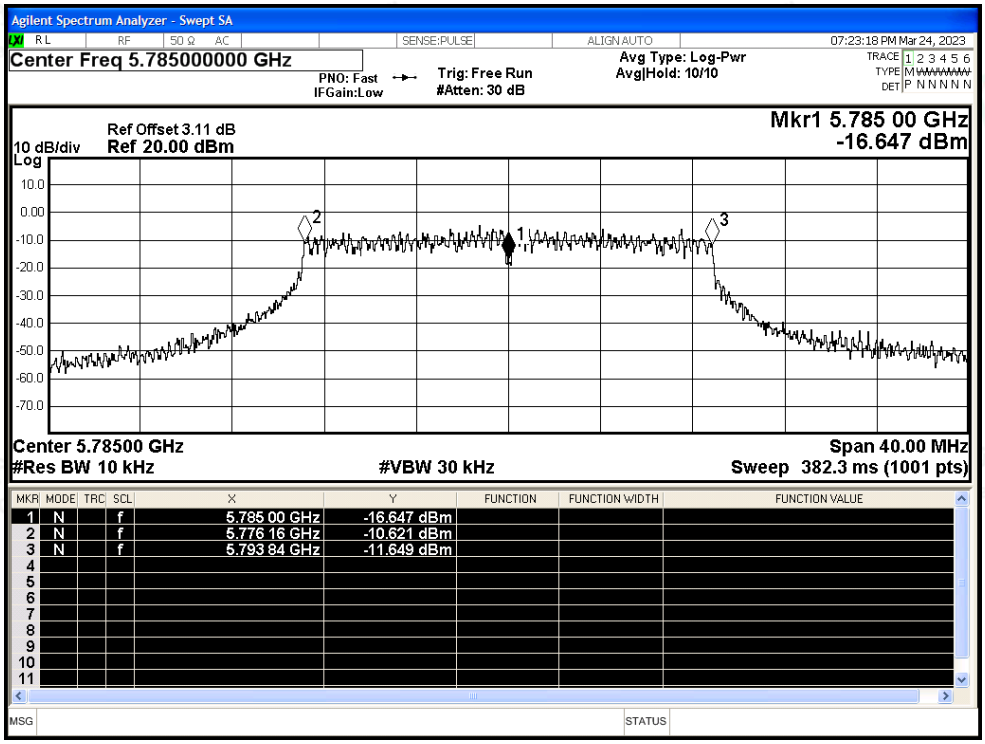

| Freq. Stability NVNT n40 5795MHz Ant2 |
| --- |



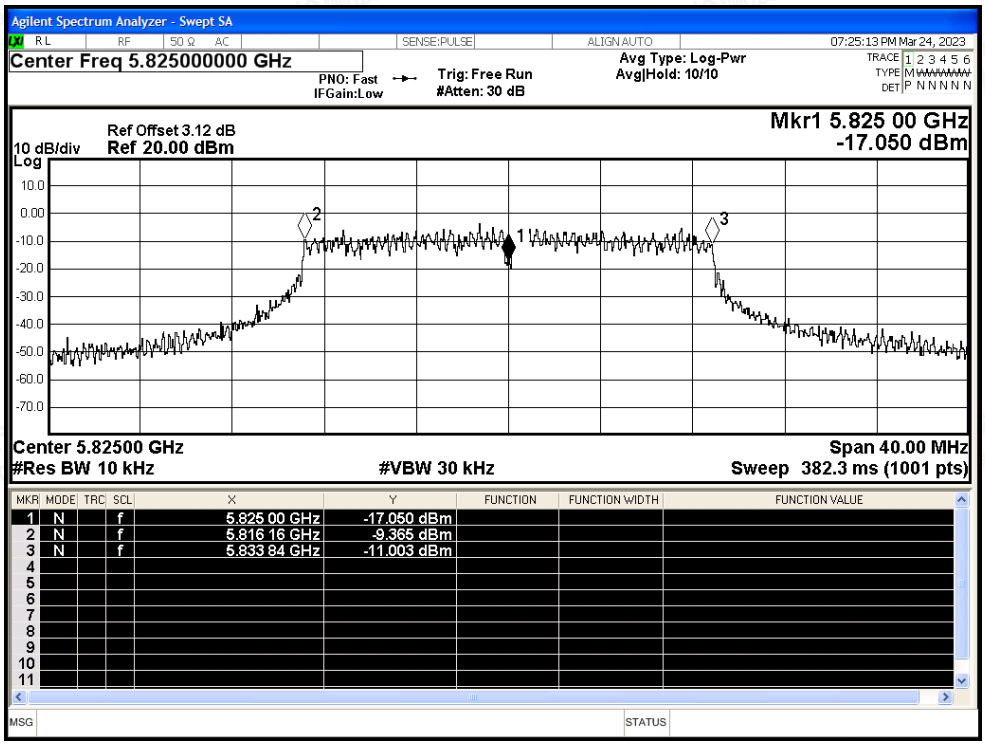
Freq. Stability NVNT ac20 5745MHz Ant2



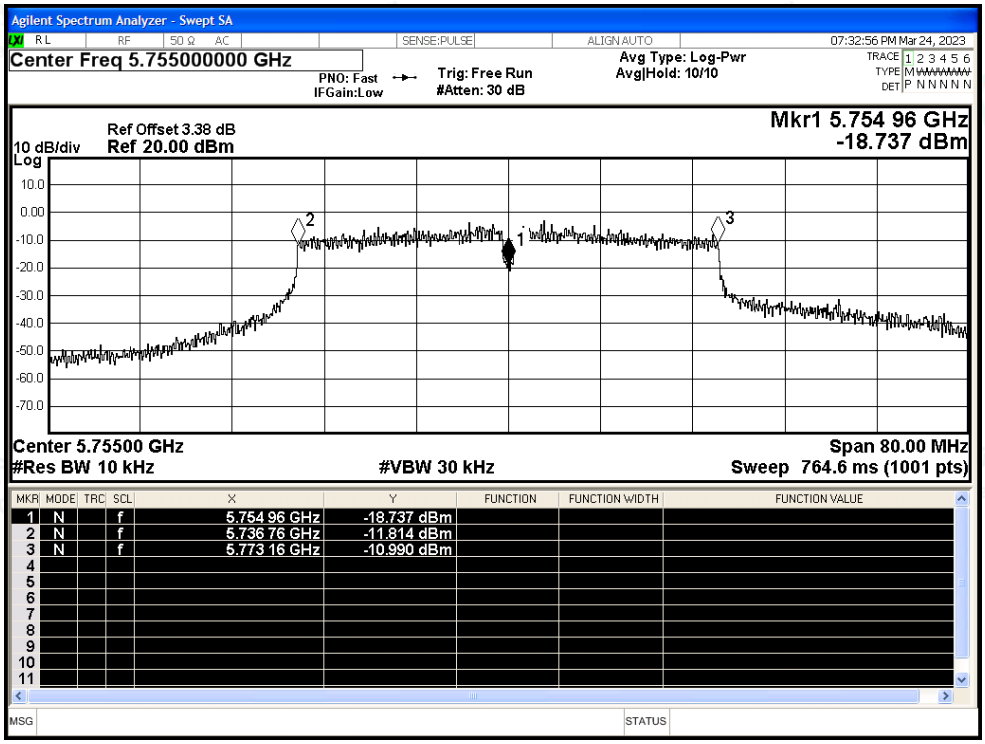

Freq. Stability NVNT ac20 5785MHz Ant2



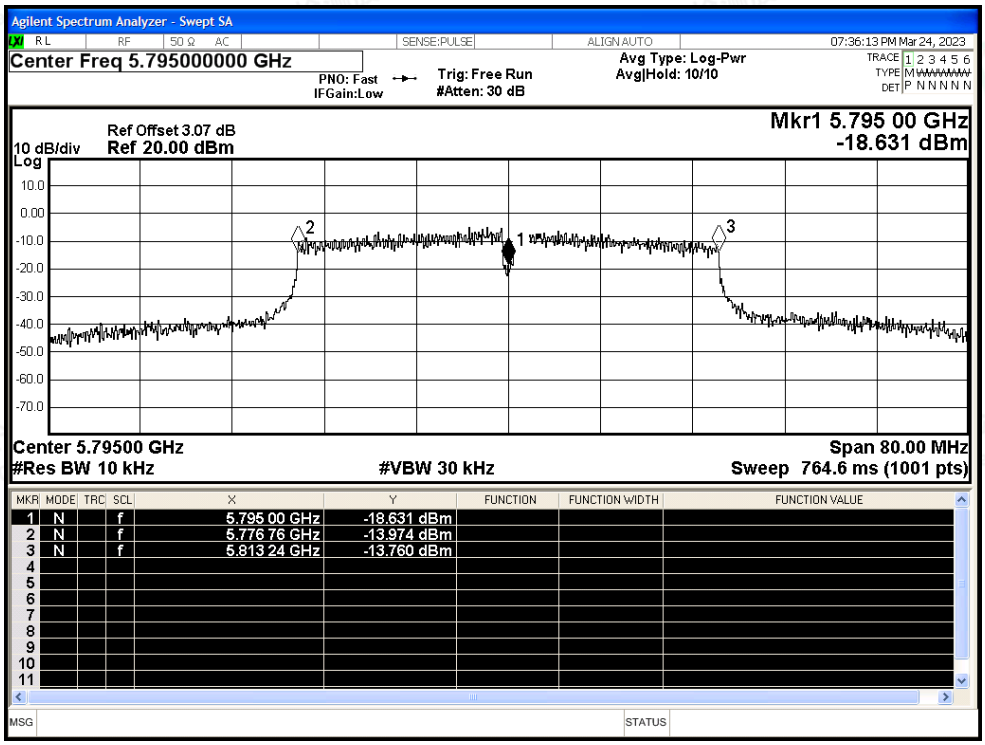
Freq. Stability NVNT ac20 5825MHz Ant2



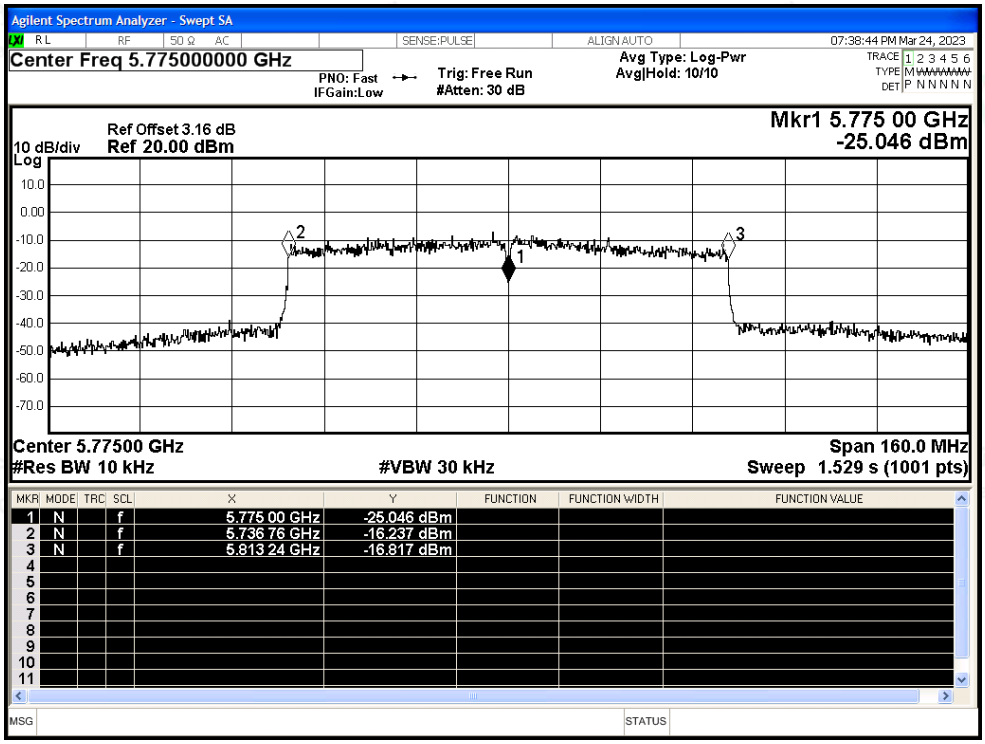

Freq. Stability NVNT ac40 5755MHz Ant2



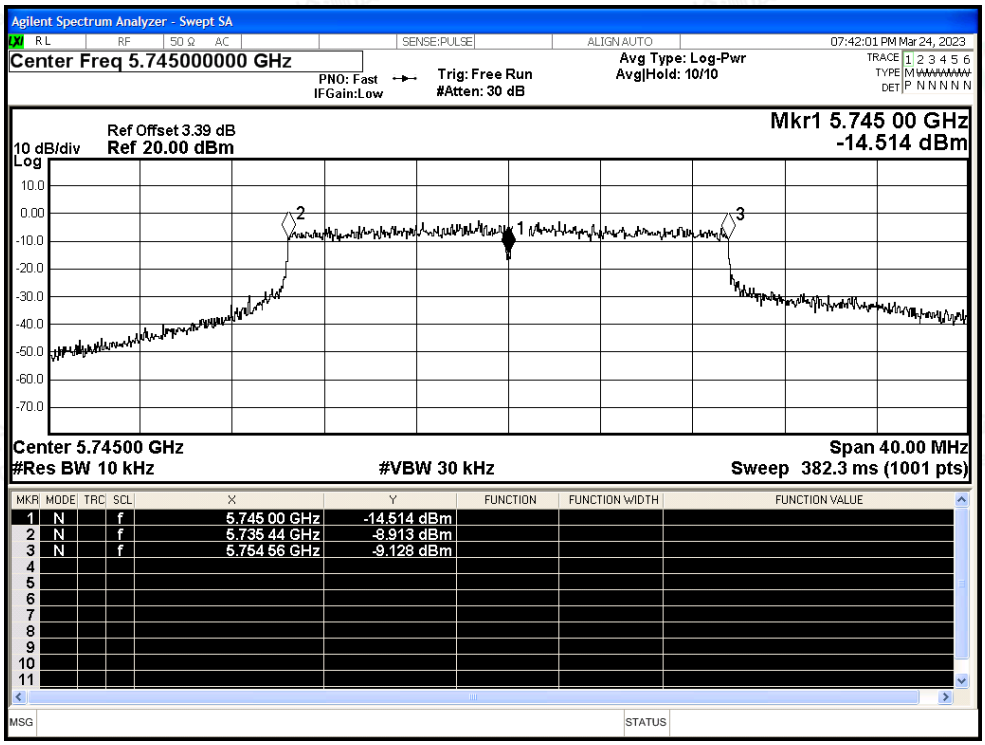
Freq. Stability NVNT ac40 5795MHz Ant2



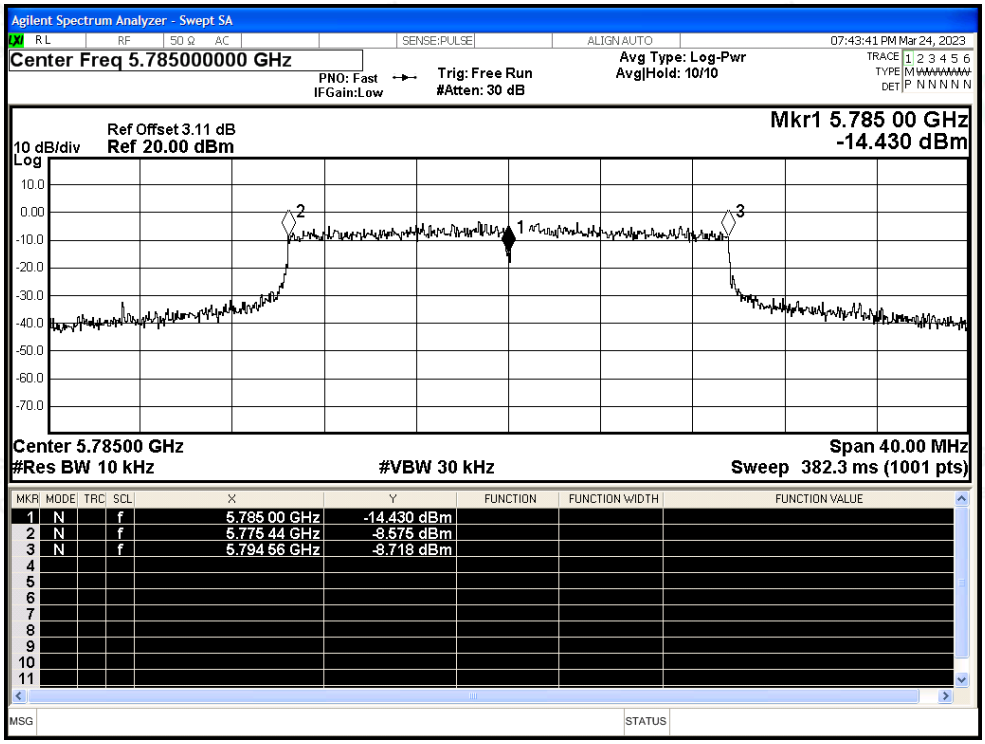

Freq. Stability NVNT ac80 5775MHz Ant2



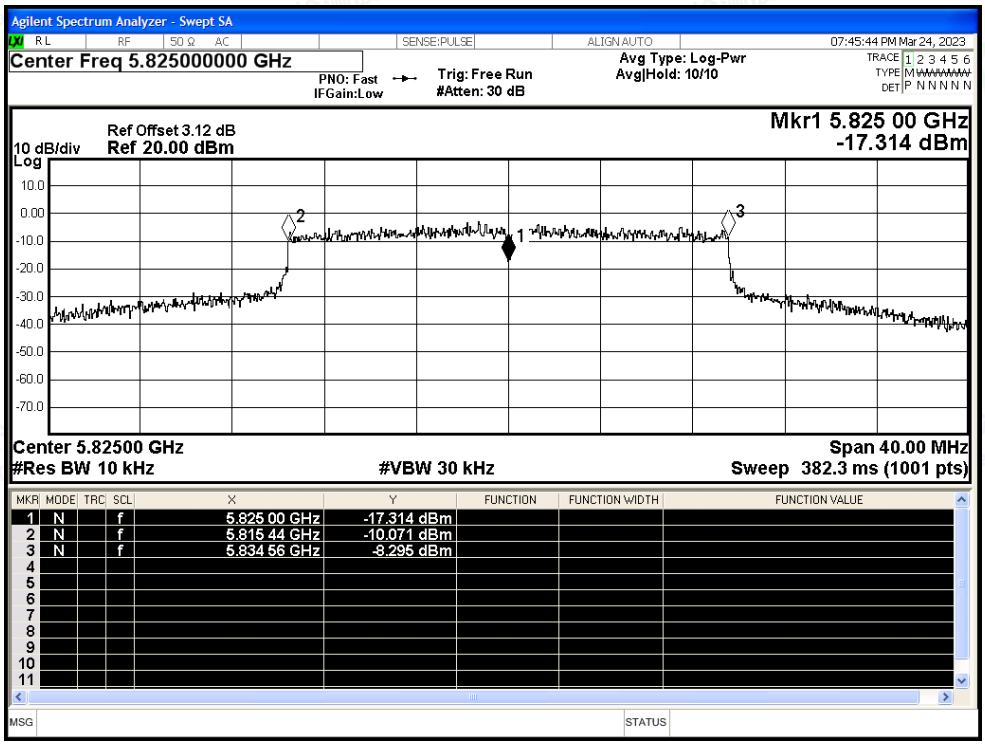
Freq. Stability NVNT ax20 5745MHz Ant2



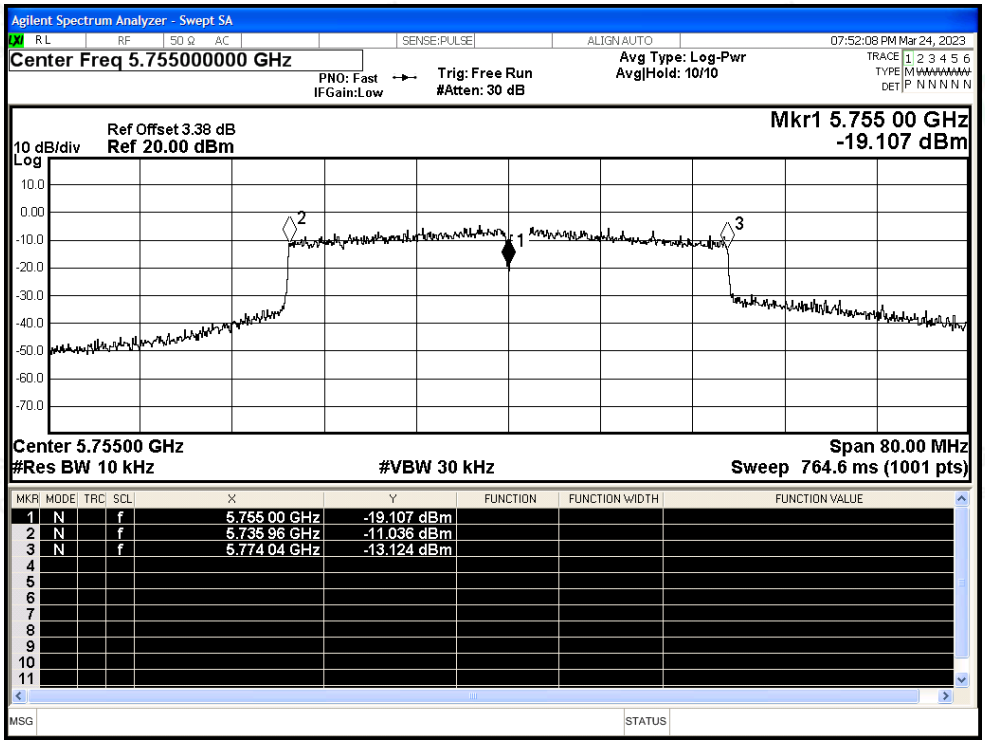

Freq. Stability NVNT ax20 5785MHz Ant2



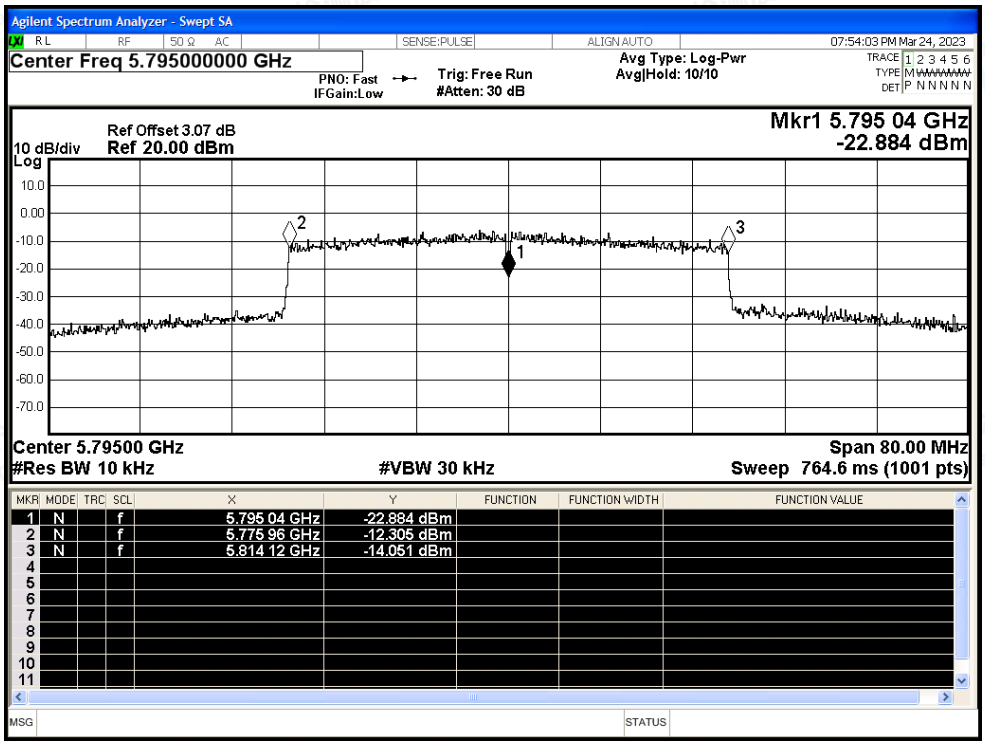
Freq. Stability NVNT ax20 5825MHz Ant2



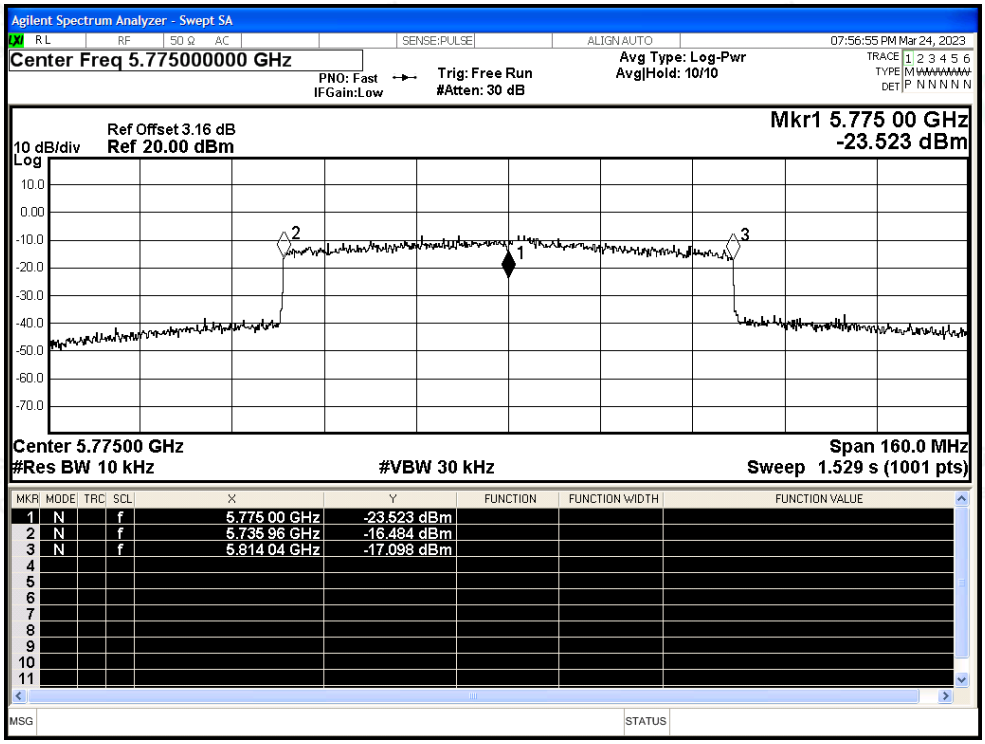

Freq. Stability NVNT ax40 5755MHz Ant2



Freq. Stability NVNT ax40 5795MHz Ant2




Freq. Stability NVNT ax80 5775MHz Ant2

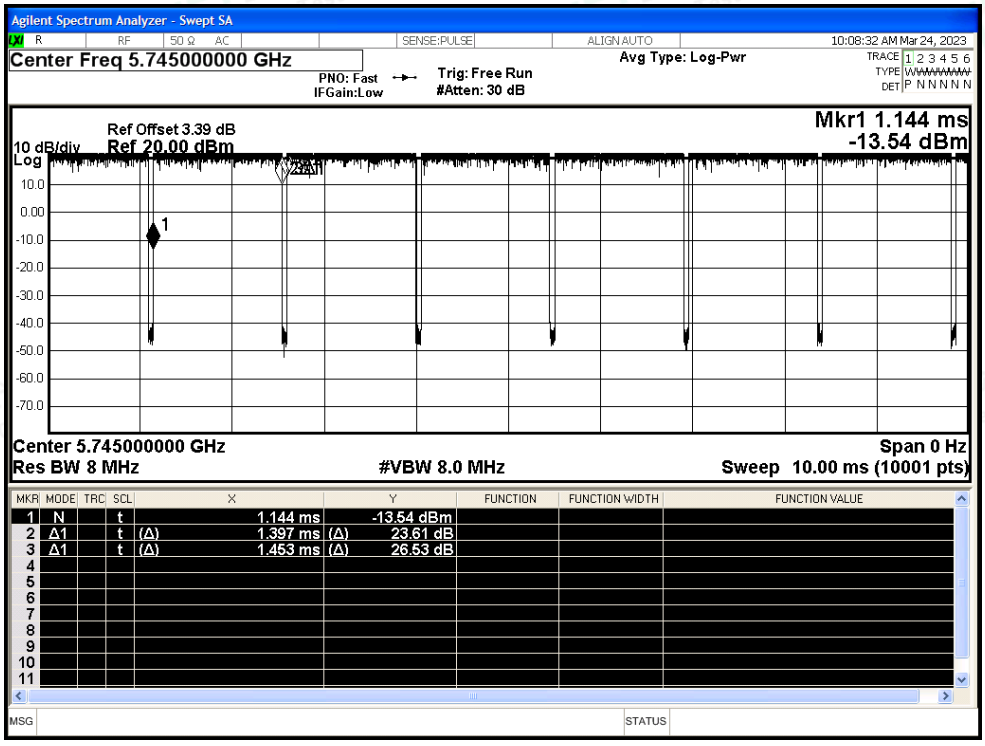


# E.6 Duty Cycle

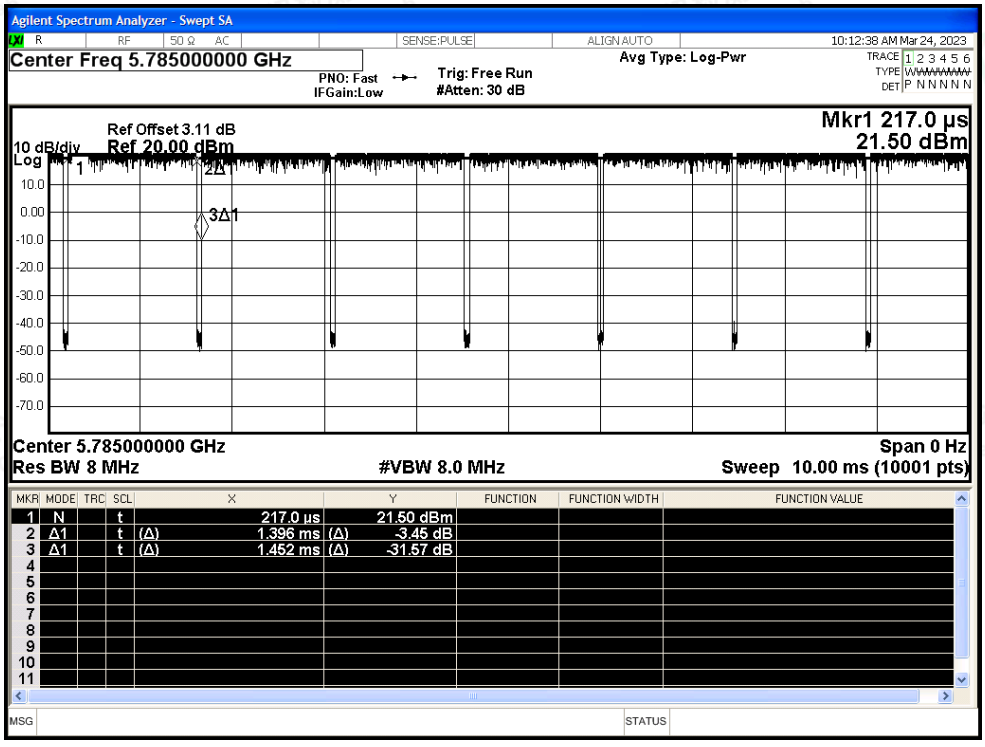
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant0 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5785 | Ant0 | 96.14 | 0.17 | 0.72 |
| NVNT | a | 5825 | Ant0 | 96.15 | 0.17 | 0.72 |
| NVNT | n20 | 5745 | Ant0 | 95.86 | 0.18 | 0.77 |
| NVNT | n20 | 5785 | Ant0 | 95.79 | 0.19 | 0.77 |
| NVNT | n20 | 5825 | Ant0 | 95.77 | 0.19 | 0.77 |
| NVNT | n40 | 5755 | Ant0 | 91.92 | 0.37 | 1.57 |
| NVNT | n40 | 5795 | Ant0 | 91.77 | 0.37 | 1.57 |
| NVNT | ac20 | 5745 | Ant0 | 89.57 | 0.48 | 2.08 |
| NVNT | ac20 | 5785 | Ant0 | 89.55 | 0.48 | 2.08 |
| NVNT | ac20 | 5825 | Ant0 | 89.39 | 0.49 | 2.08 |
| NVNT | ac40 | 5755 | Ant0 | 82.33 | 0.84 | 3.83 |
| NVNT | ac40 | 5795 | Ant0 | 82.33 | 0.84 | 3.83 |
| NVNT | ac80 | 5775 | Ant0 | 72.68 | 1.39 | 6.71 |
| NVNT | ax20 | 5745 | Ant0 | 89.39 | 0.49 | 2.08 |
| NVNT | ax20 | 5785 | Ant0 | 88.27 | 0.54 | 2.33 |
| NVNT | ax20 | 5825 | Ant0 | 88.48 | 0.53 | 2.33 |
| NVNT | ax40 | 5755 | Ant0 | 88.17 | 0.55 | 2.35 |
| NVNT | ax40 | 5795 | Ant0 | 88.38 | 0.54 | 2.35 |
| NVNT | ax80 | 5775 | Ant0 | 88.03 | 0.55 | 2.43 |

Test Graphs

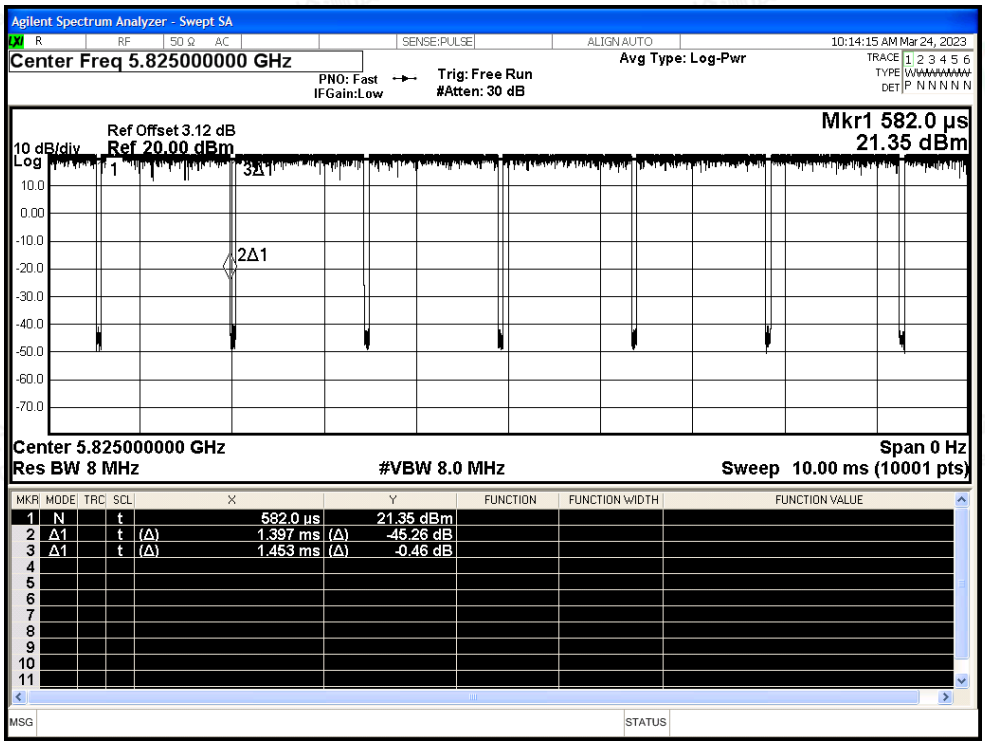
Duty Cycle NVNT a 5745MHz Ant0



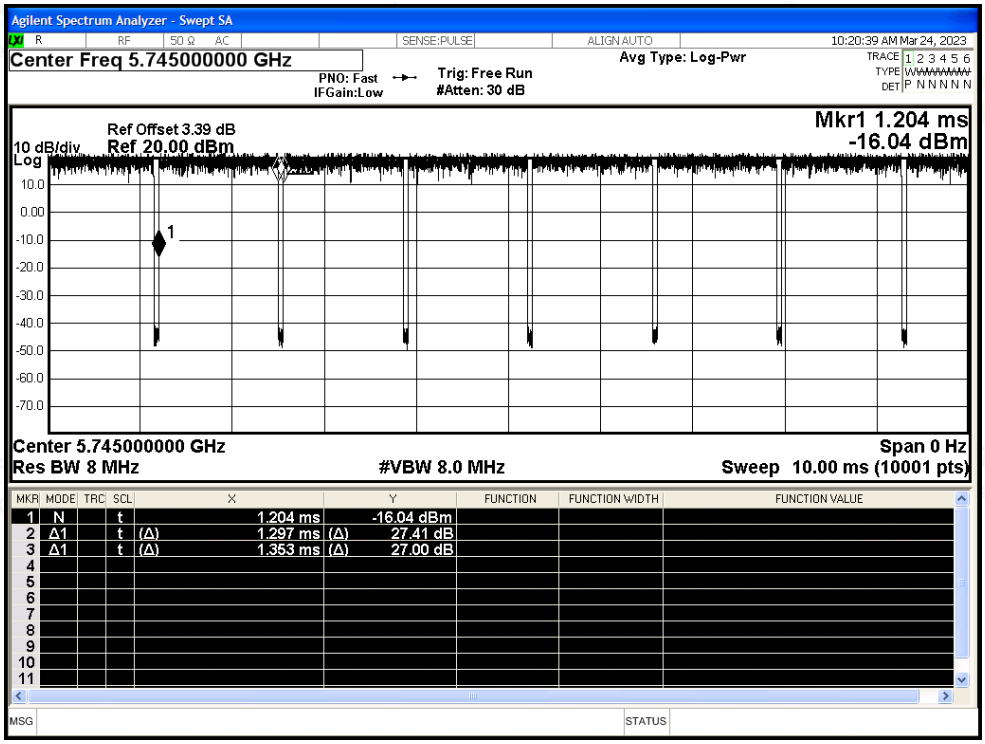

Duty Cycle NVNT a 5785MHz Ant0



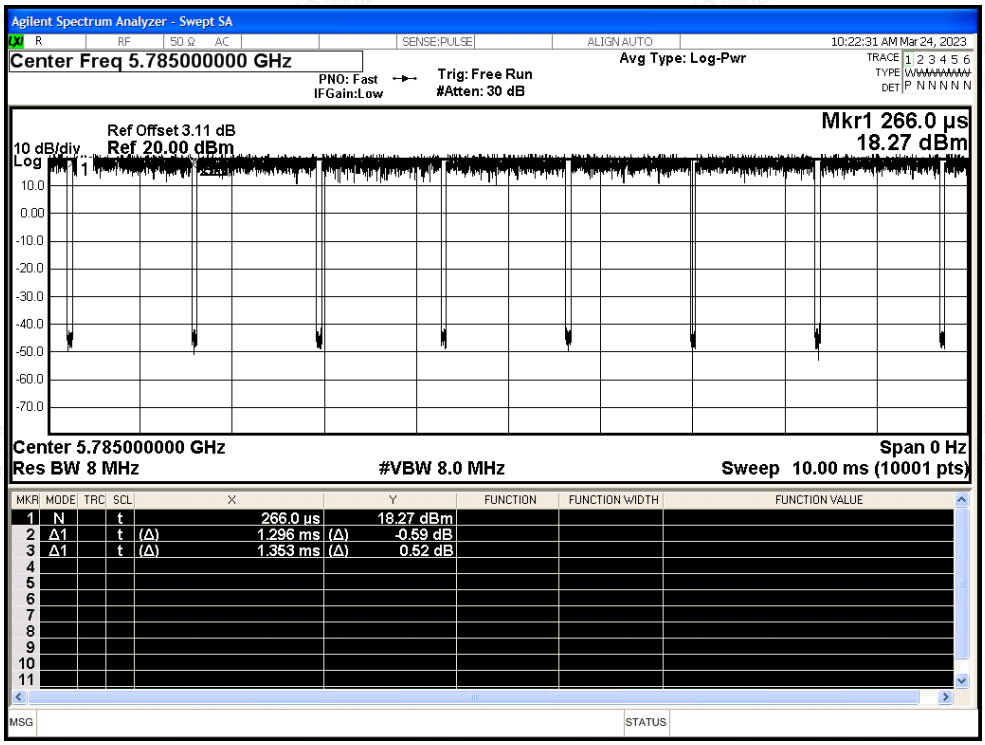
Duty Cycle NVNT a 5825MHz Ant0



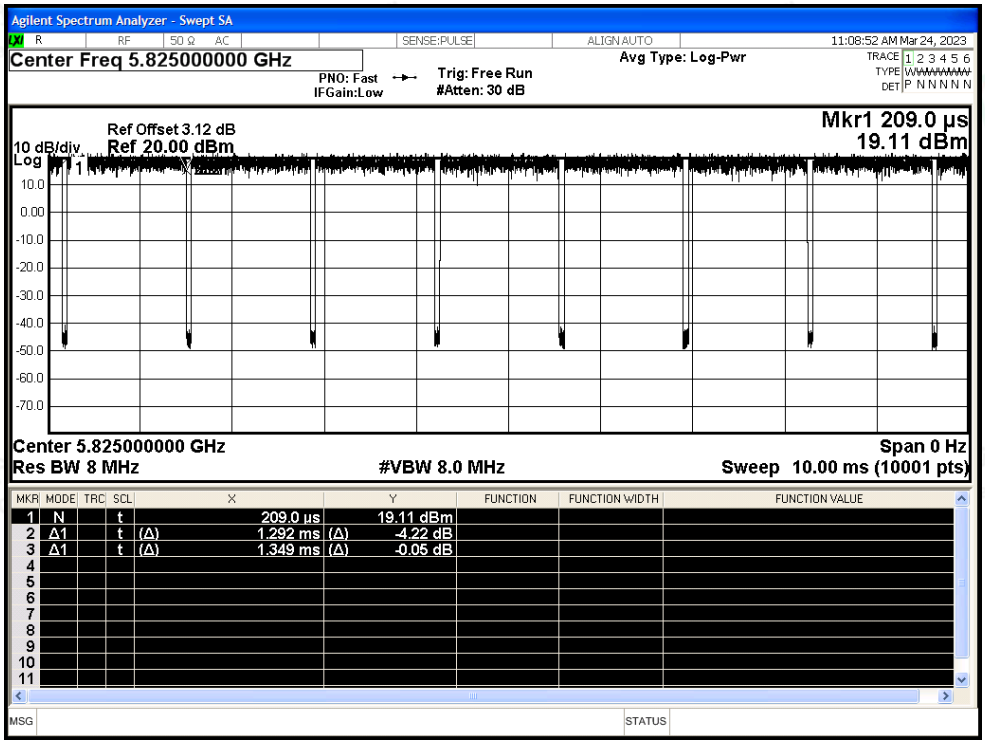

Duty Cycle NVNT n20 5745MHz Ant0



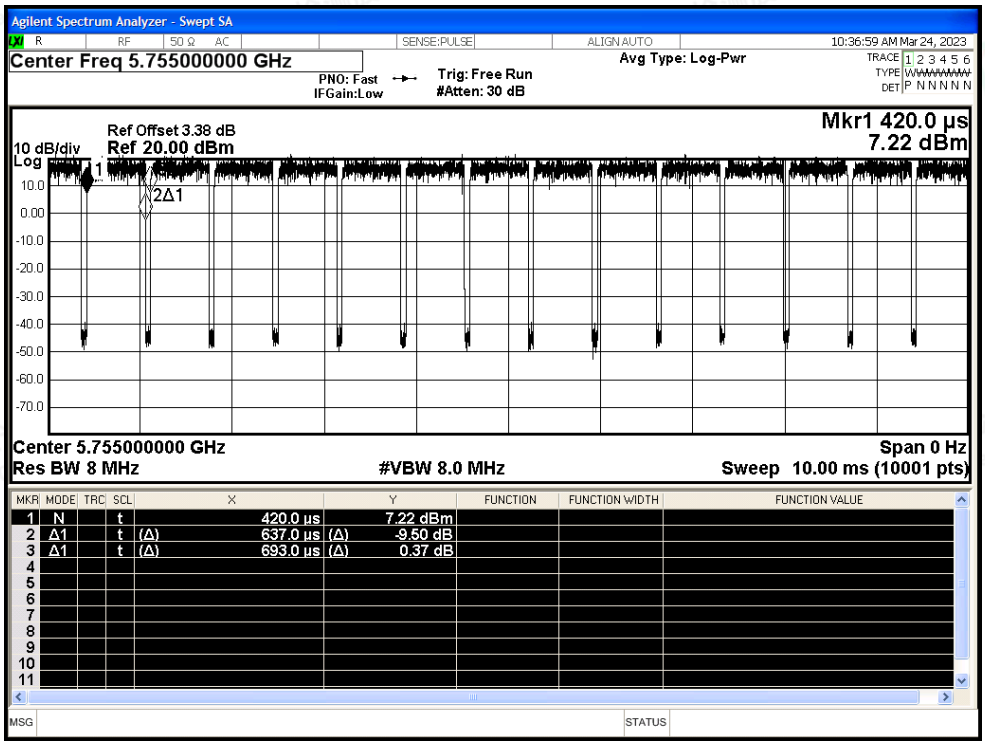
Duty Cycle NVNT n20 5785MHz Ant0



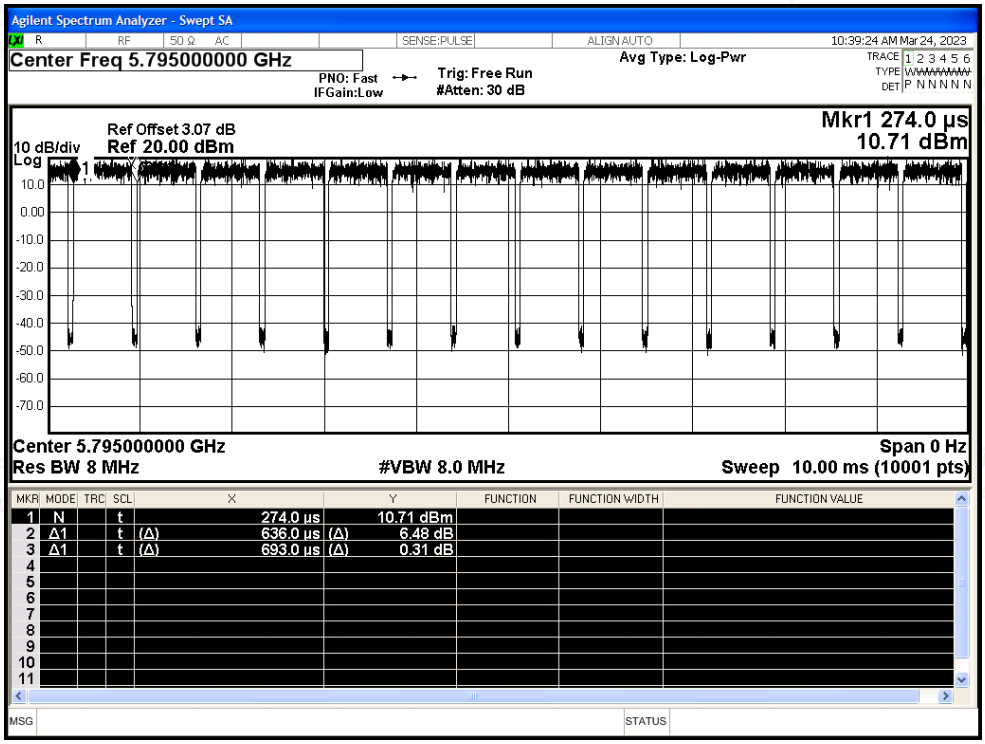

Duty Cycle NVNT n20 5825MHz Ant0



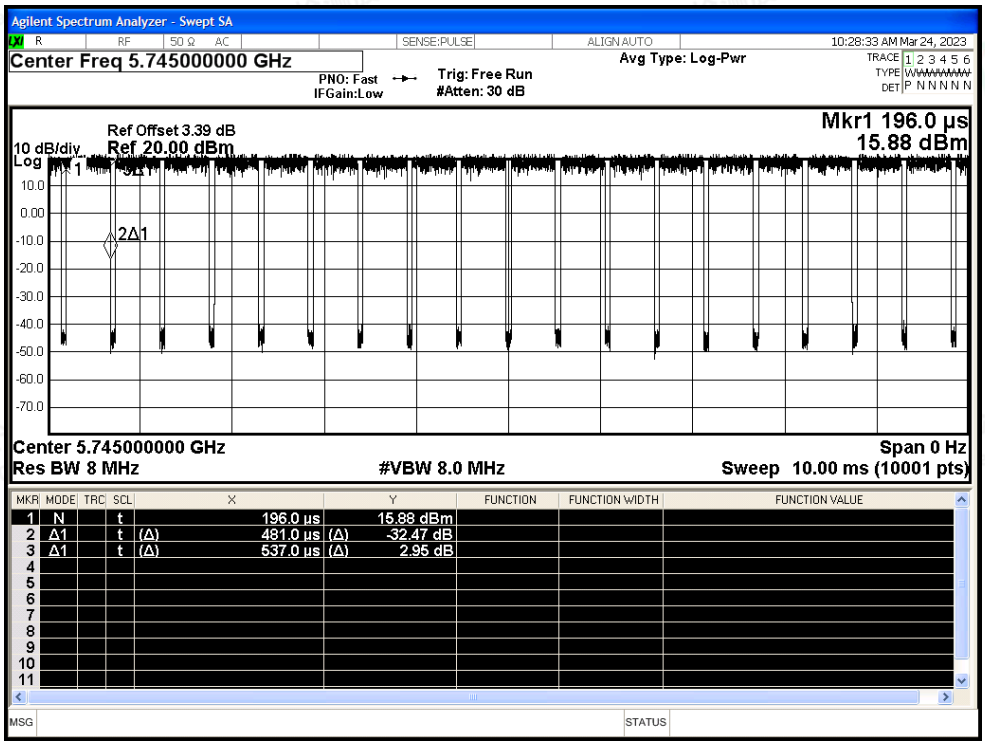
Duty Cycle NVNT n40 5755MHz Ant0



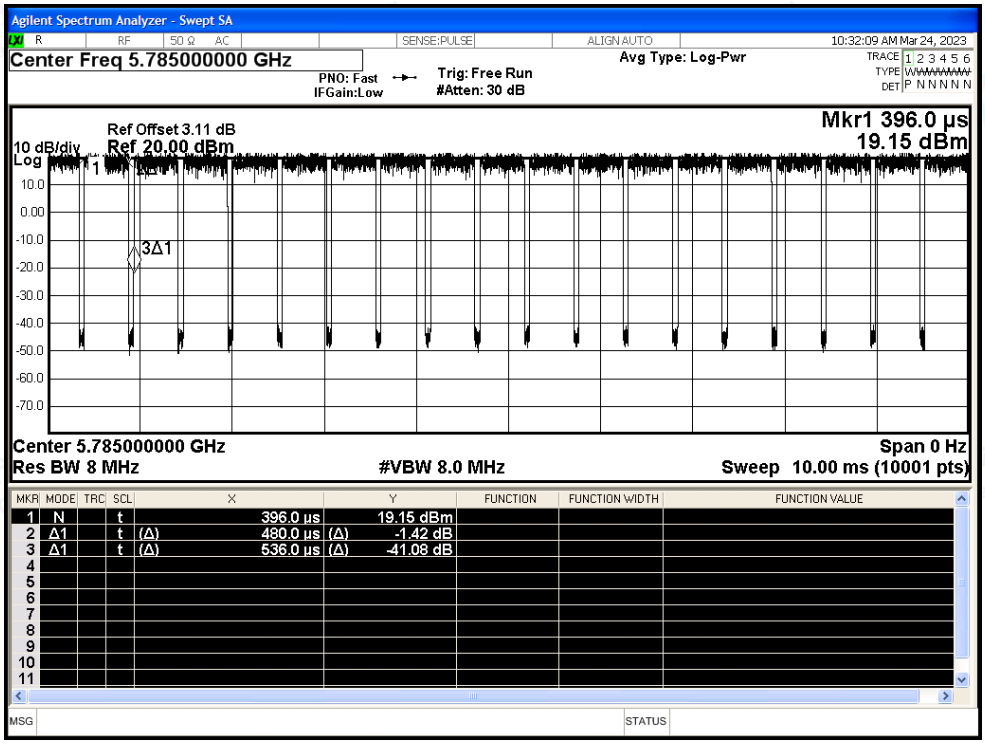

Duty Cycle NVNT n40 5795MHz Ant0



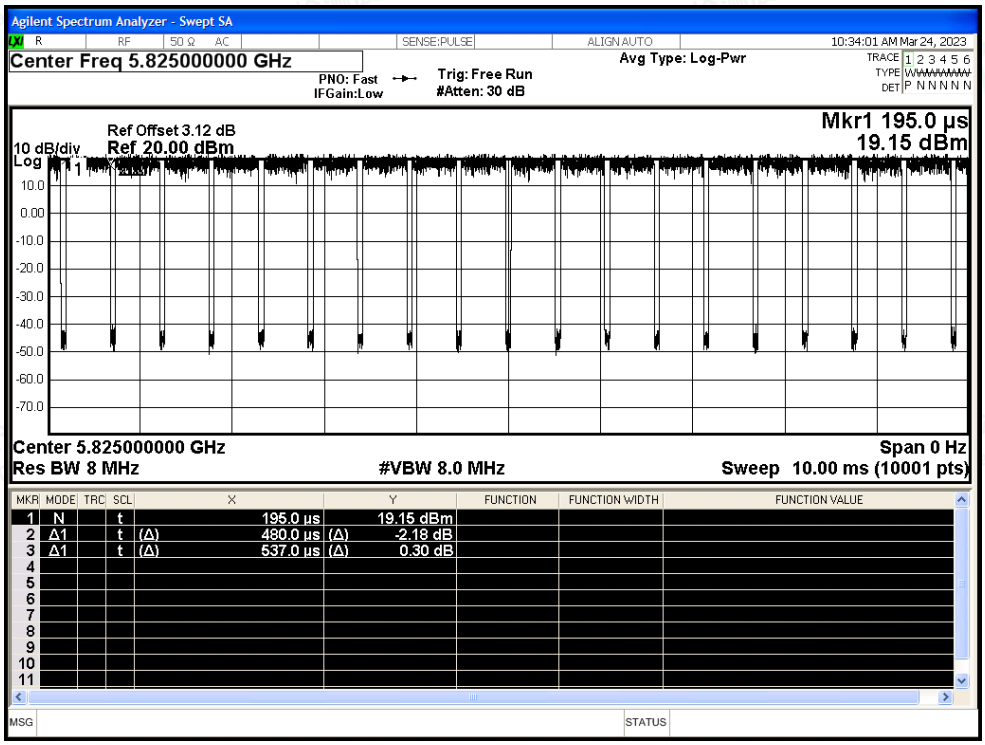
Duty Cycle NVNT ac20 5745MHz Ant0



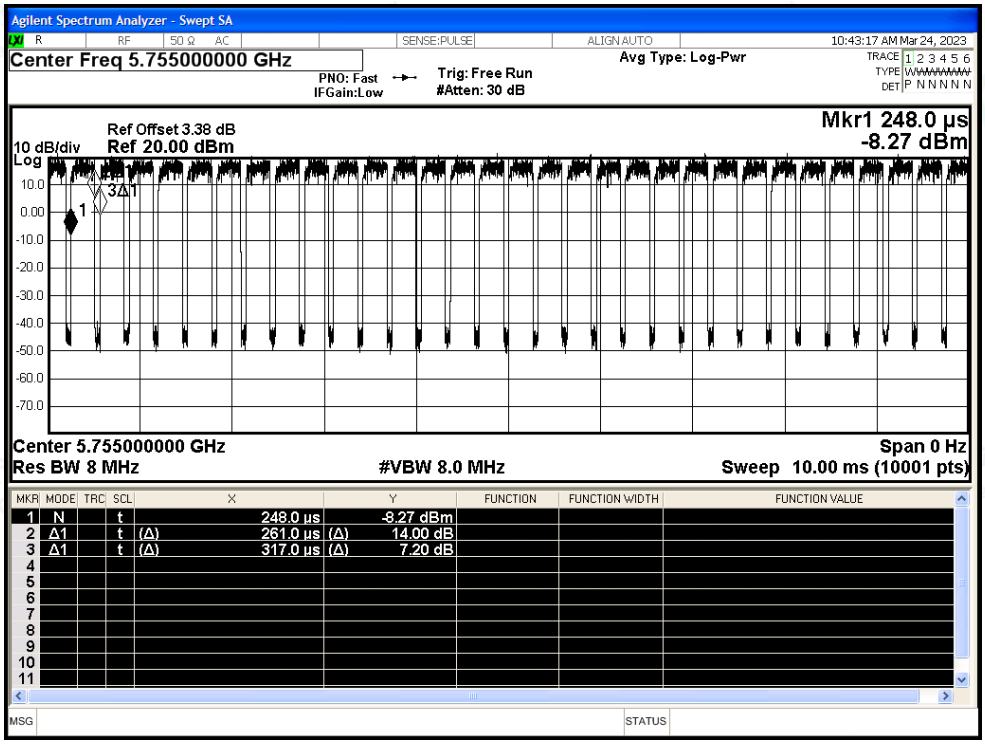

Duty Cycle NVNT ac20 5785MHz Ant0



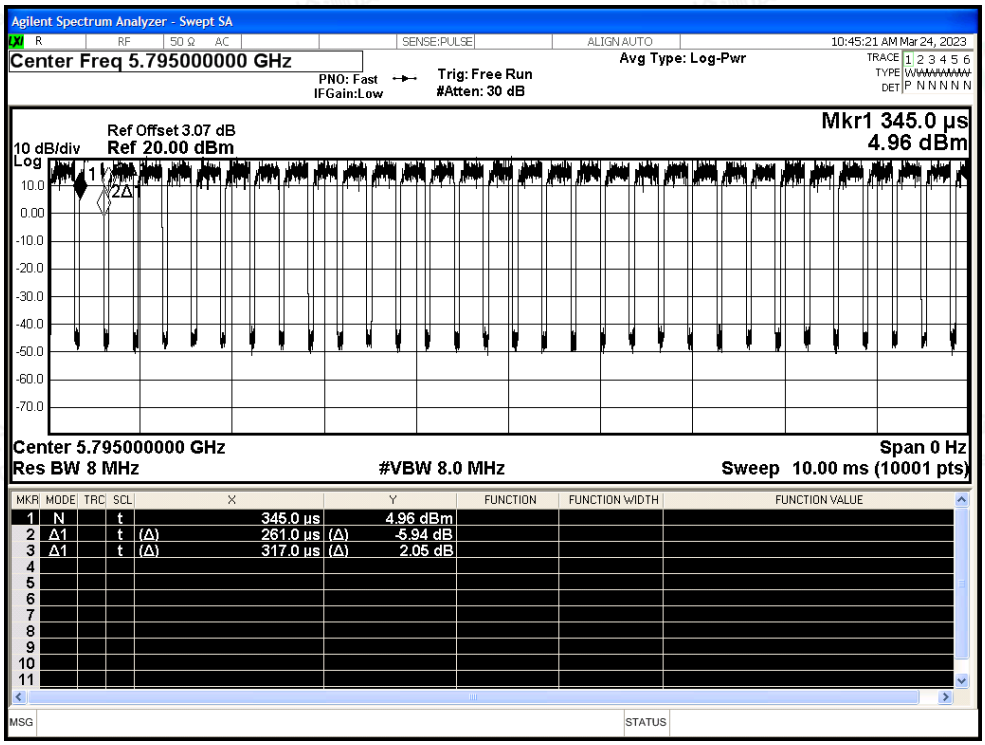
Duty Cycle NVNT ac20 5825MHz Ant0



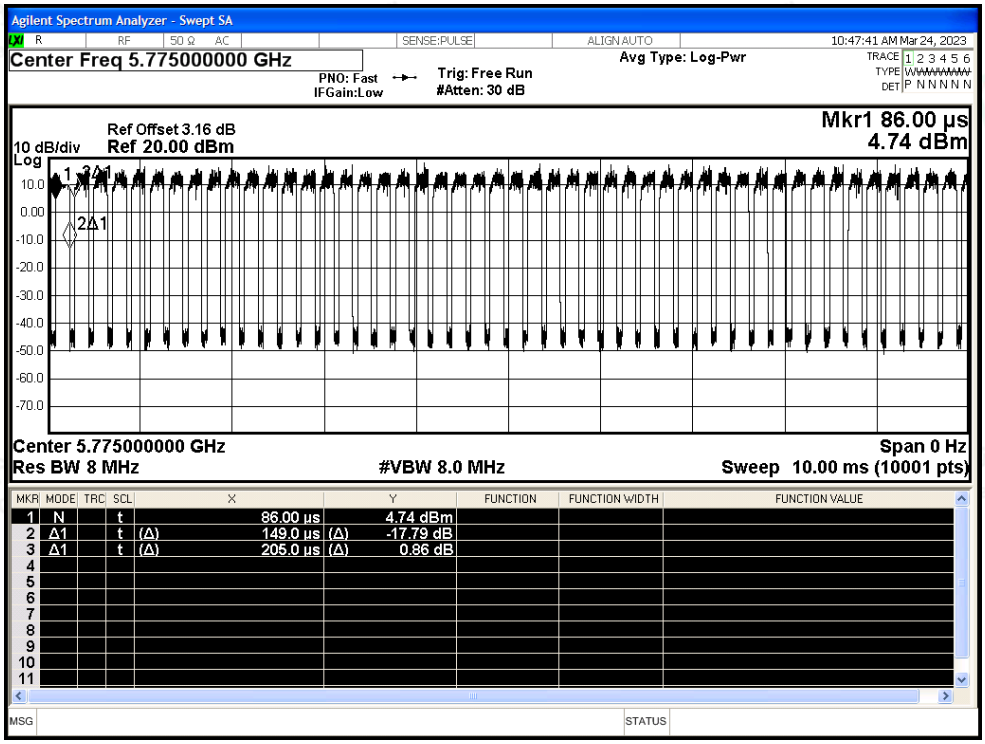

Duty Cycle NVNT ac40 5755MHz Ant0



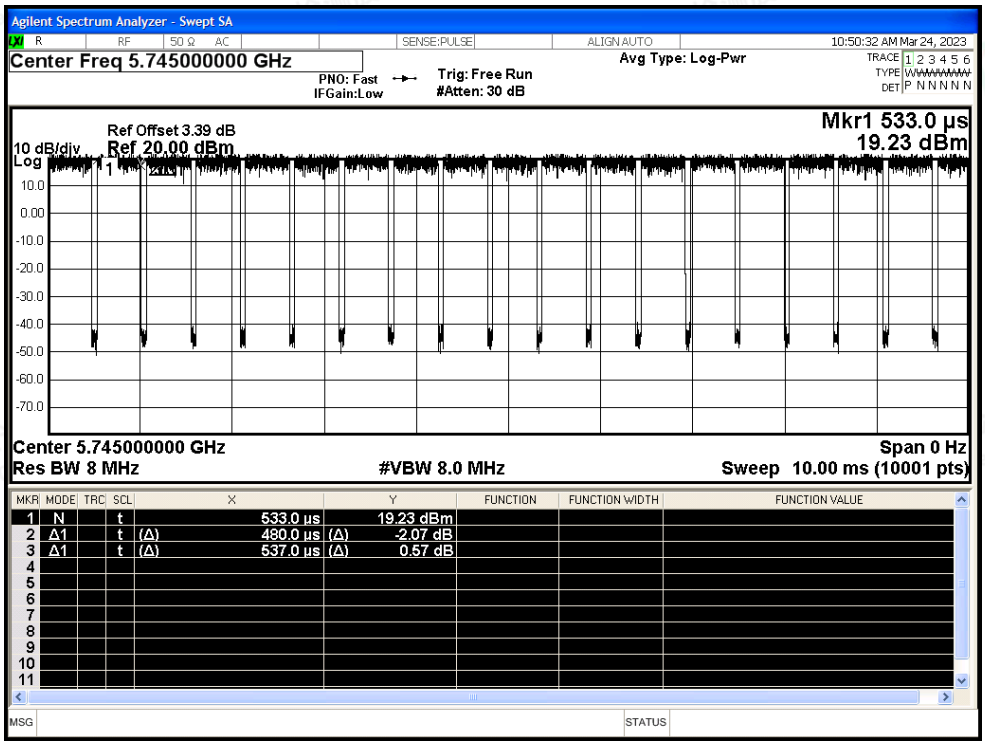
Duty Cycle NVNT ac40 5795MHz Ant0



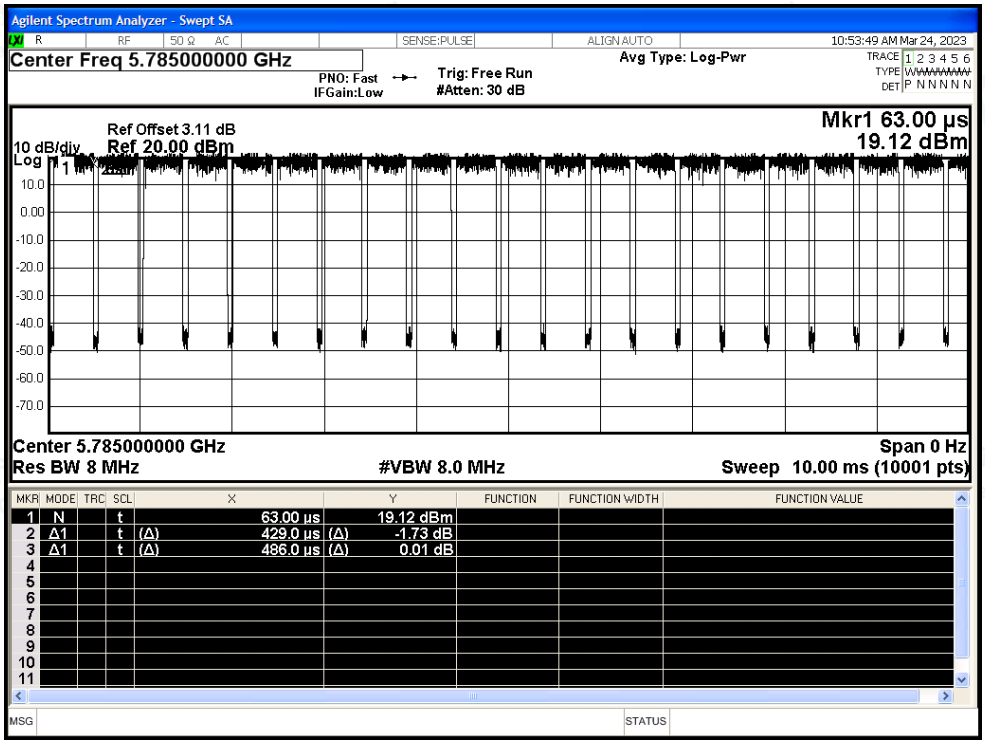

Duty Cycle NVNT ac80 5775MHz Ant0



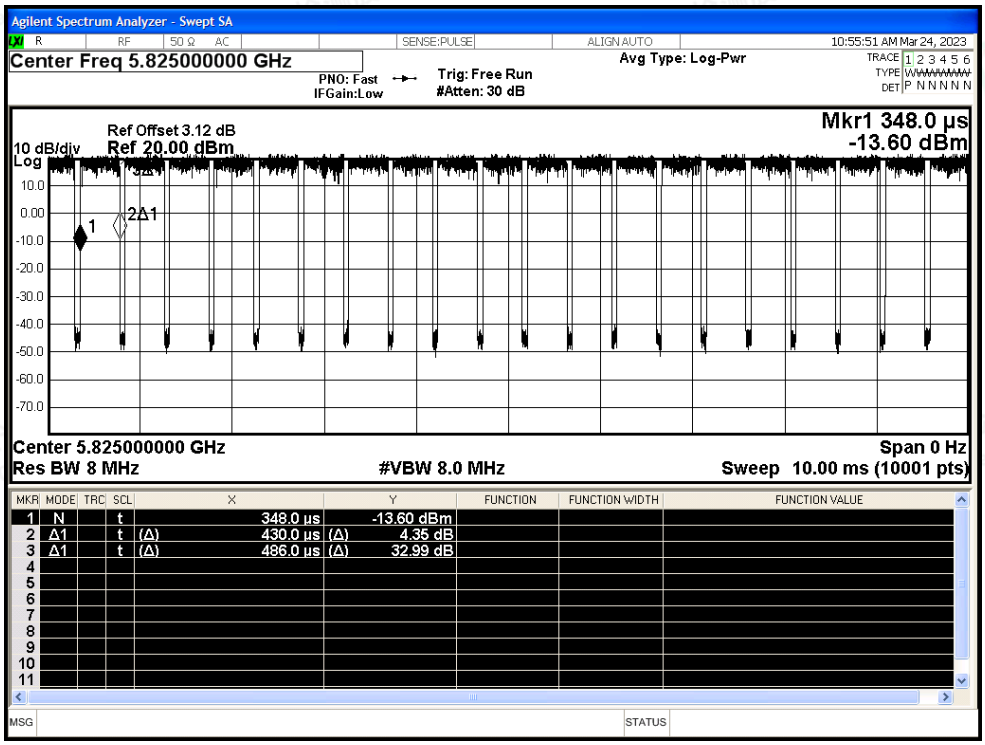
Duty Cycle NVNT ax20 5745MHz Ant0



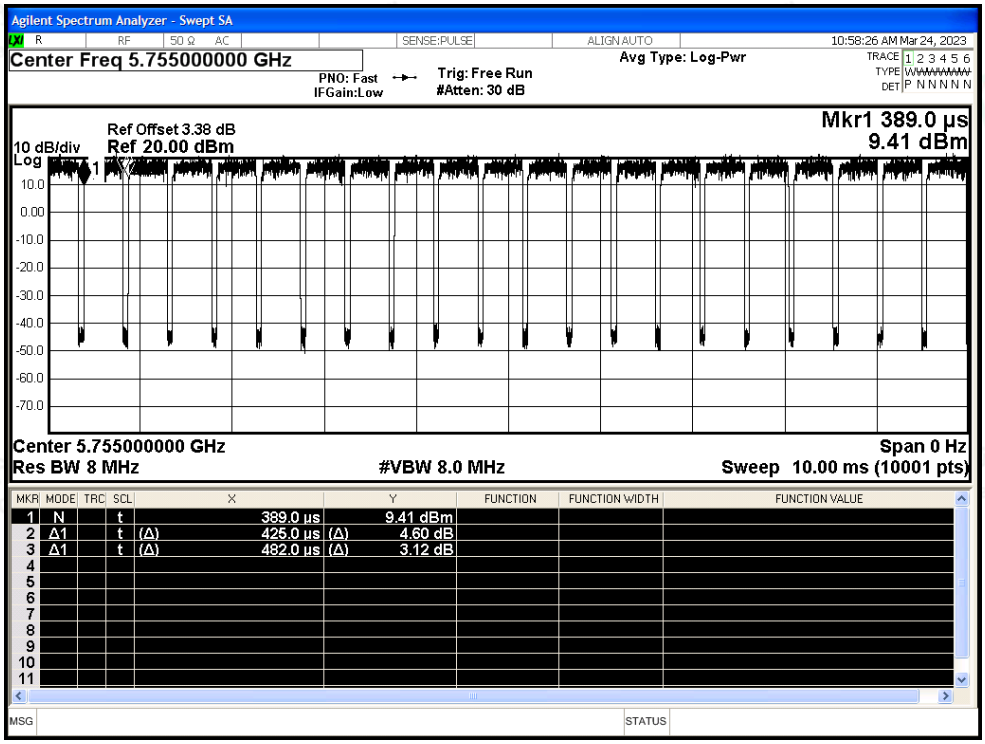

Duty Cycle NVNT ax20 5785MHz Ant0



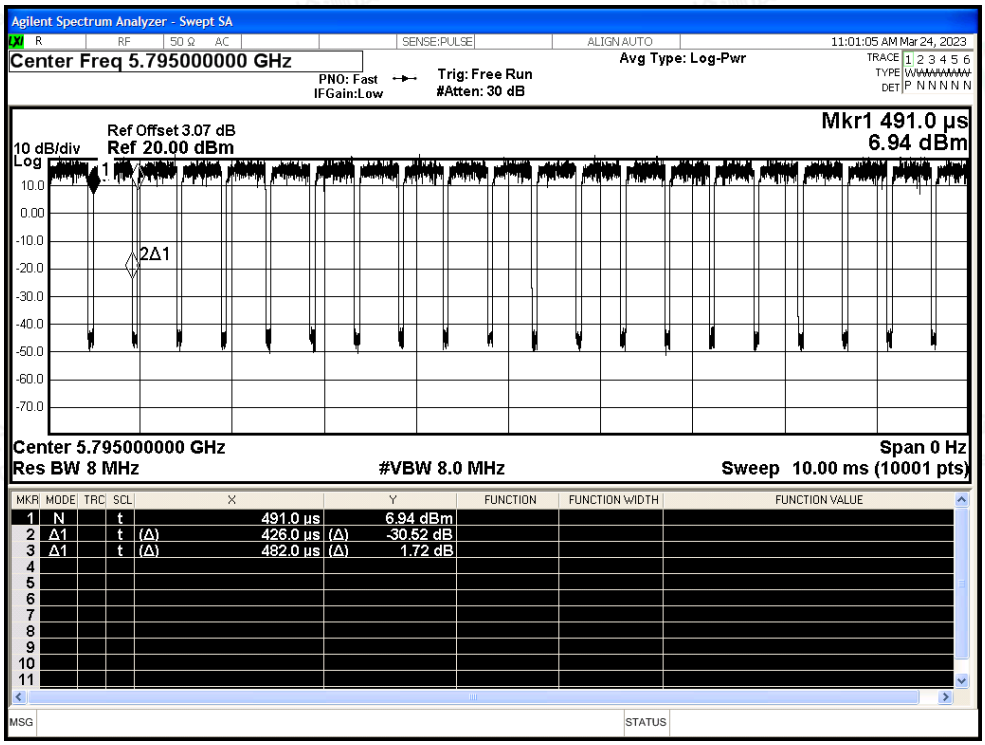
Duty Cycle NVNT ax20 5825MHz Ant0



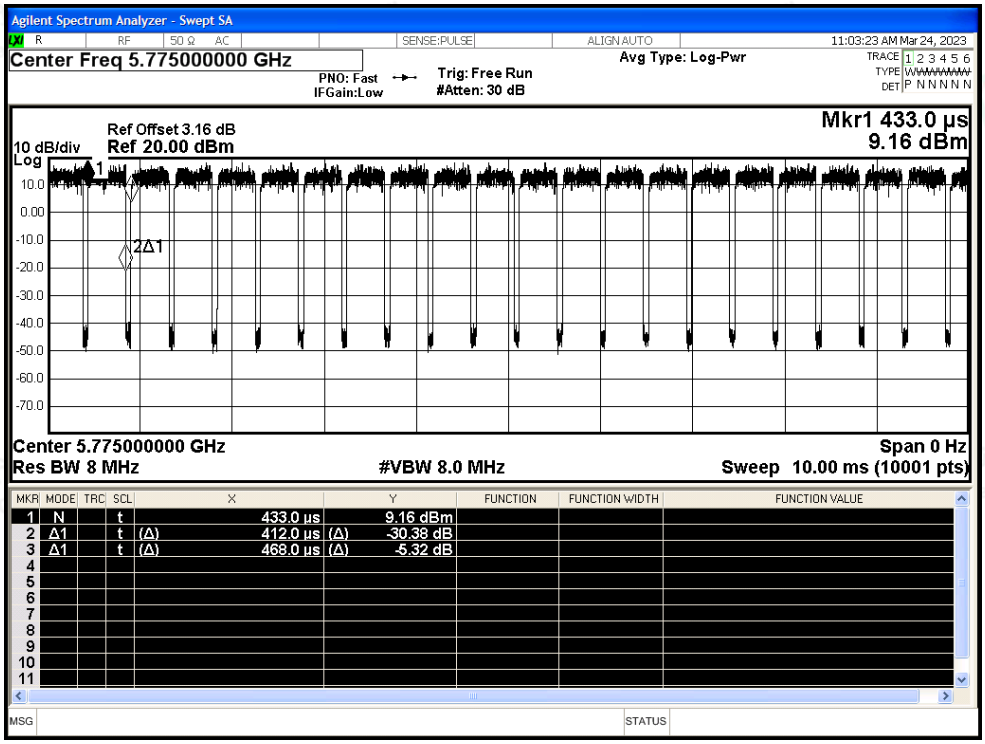

Duty Cycle NVNT ax40 5755MHz Ant0



Duty Cycle NVNT ax40 5795MHz Ant0

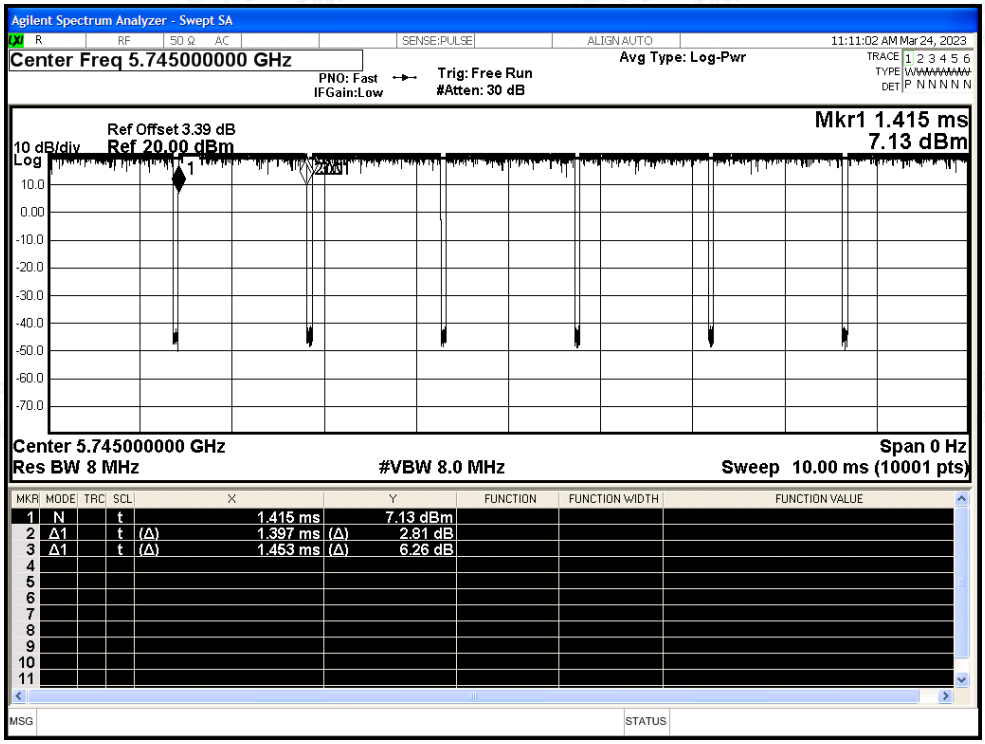



Duty Cycle NVNT ax80 5775MHz Ant0

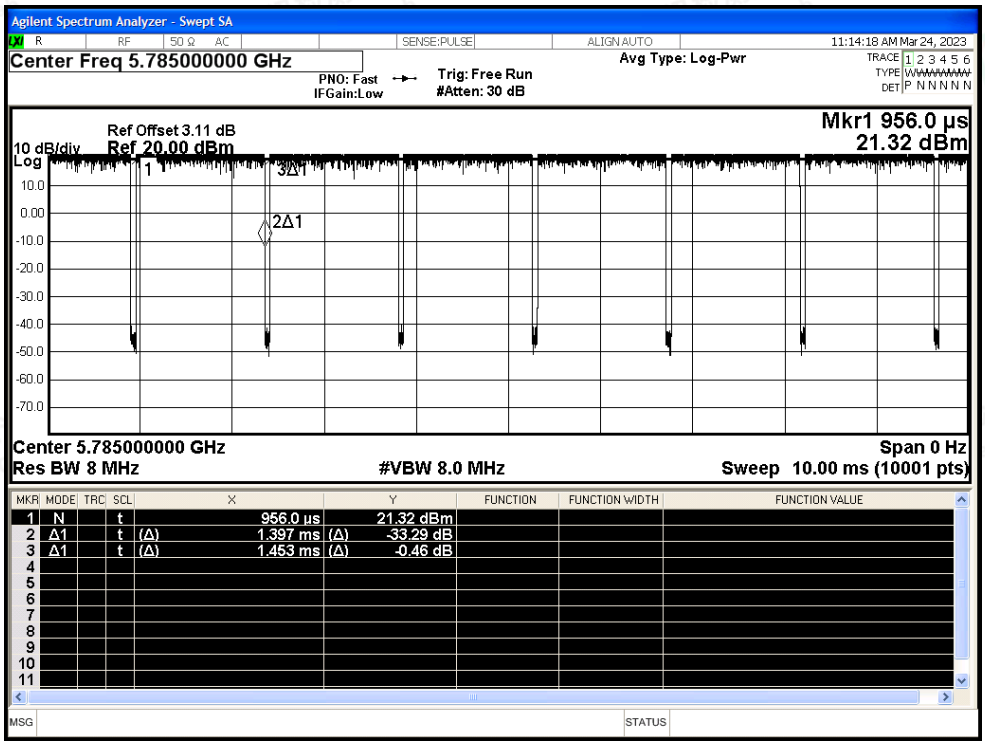


| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5785 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5825 | Ant1 | 96.08 | 0.17 | 0.72 |
| NVNT | n20 | 5745 | Ant1 | 95.85 | 0.18 | 0.77 |
| NVNT | n20 | 5785 | Ant1 | 95.85 | 0.18 | 0.77 |
| NVNT | n20 | 5825 | Ant1 | 95.85 | 0.18 | 0.77 |
| NVNT | n40 | 5755 | Ant1 | 91.92 | 0.37 | 1.57 |
| NVNT | n40 | 5795 | Ant1 | 91.92 | 0.37 | 1.57 |
| NVNT | ac20 | 5745 | Ant1 | 89.39 | 0.49 | 2.08 |
| NVNT | ac20 | 5785 | Ant1 | 89.39 | 0.49 | 2.08 |
| NVNT | ac20 | 5825 | Ant1 | 89.39 | 0.49 | 2.08 |
| NVNT | ac40 | 5755 | Ant1 | 82.02 | 0.86 | 3.85 |
| NVNT | ac40 | 5795 | Ant1 | 82.33 | 0.84 | 3.83 |
| NVNT | ac80 | 5775 | Ant1 | 72.68 | 1.39 | 6.71 |
| NVNT | ax20 | 5745 | Ant1 | 88.48 | 0.53 | 2.33 |
| NVNT | ax20 | 5785 | Ant1 | 88.48 | 0.53 | 2.33 |
| NVNT | ax20 | 5825 | Ant1 | 88.45 | 0.53 | 2.33 |
| NVNT | ax40 | 5755 | Ant1 | 88.38 | 0.54 | 2.35 |
| NVNT | ax40 | 5795 | Ant1 | 88.38 | 0.54 | 2.35 |
| NVNT | ax80 | 5775 | Ant1 | 88.03 | 0.55 | 2.43 |

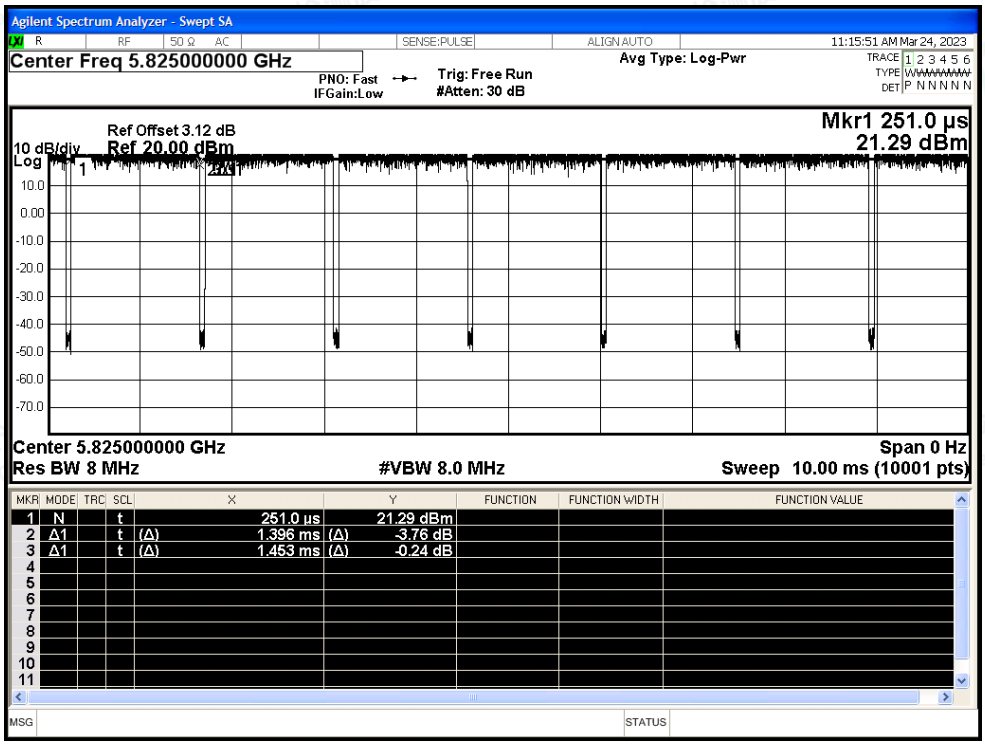
| Test Graphs |
| --- |
| Duty Cycle NVNT a 5745MHz Ant1 |



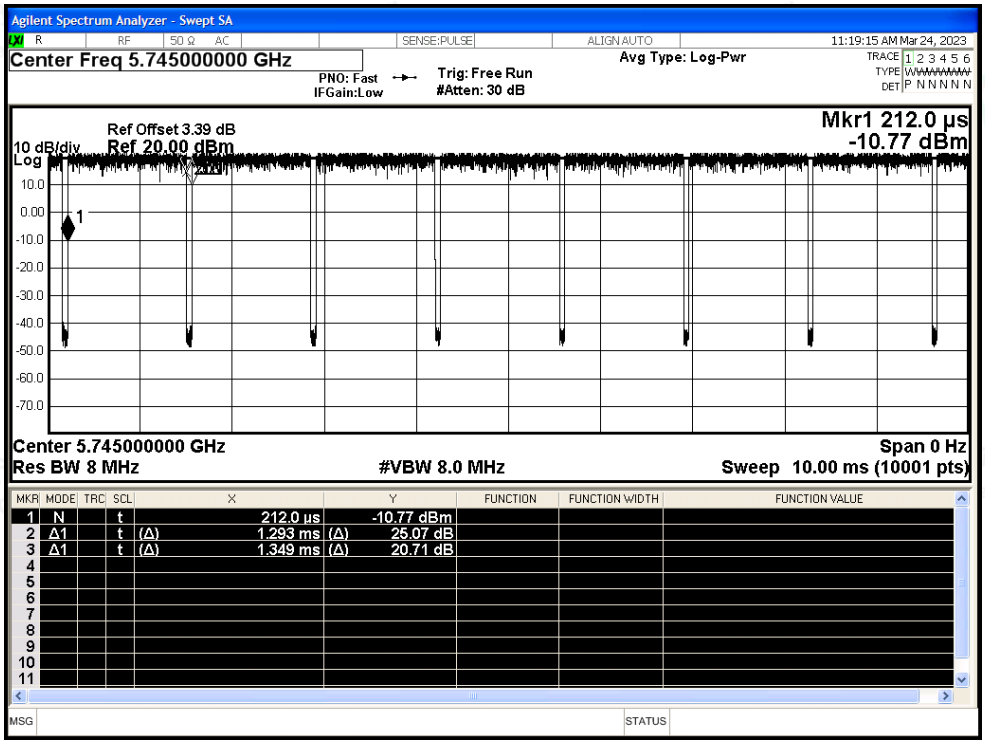

| Duty Cycle NVNT a 5785MHz Ant1 |
| --- |



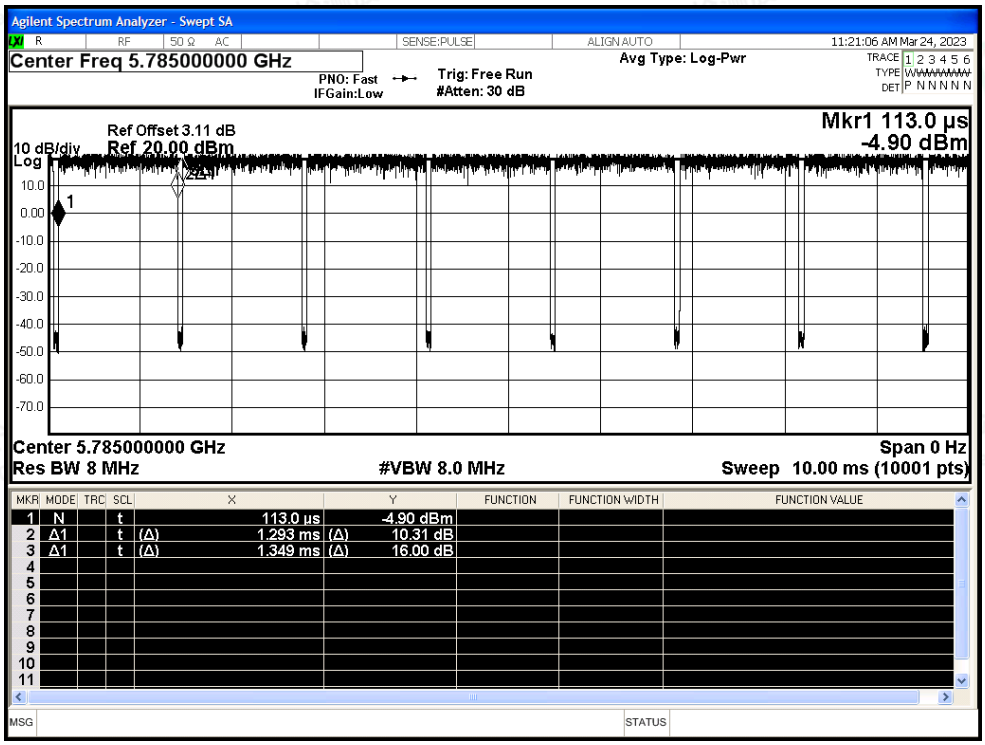
Duty Cycle NVNT a 5825MHz Ant1



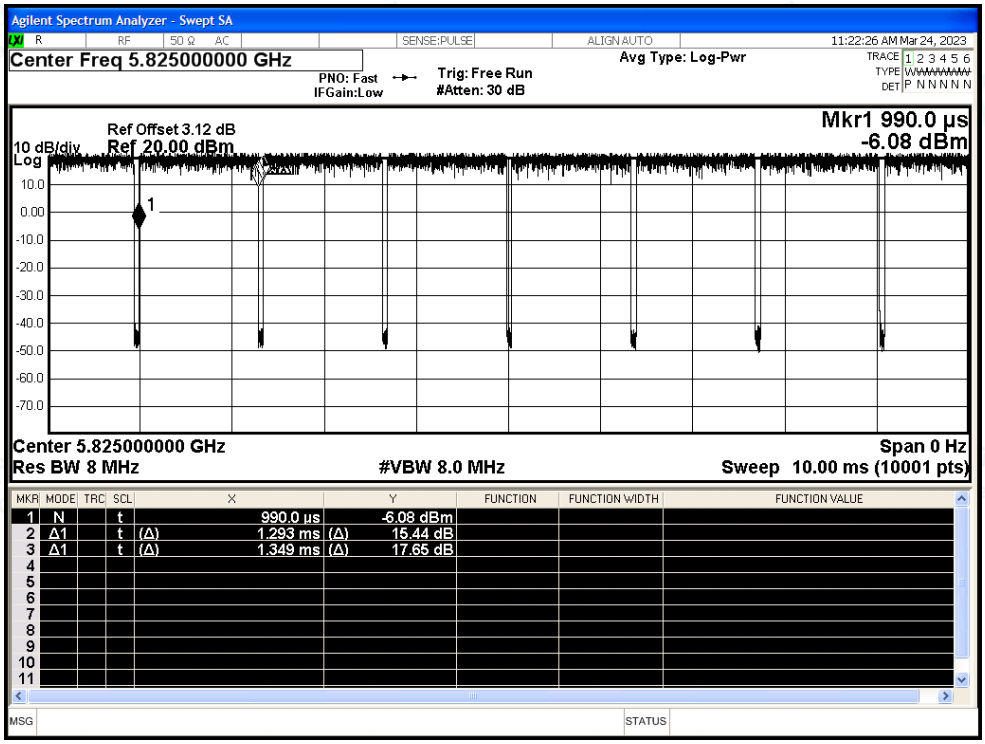

Duty Cycle NVNT n20 5745MHz Ant1



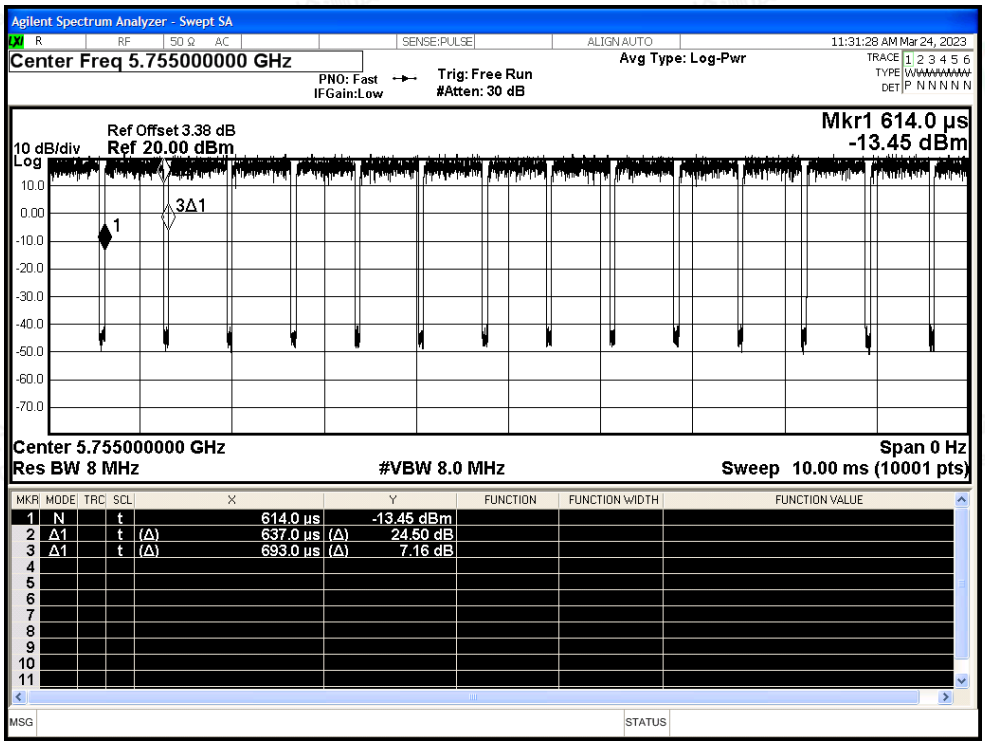
Duty Cycle NVNT n20 5785MHz Ant1



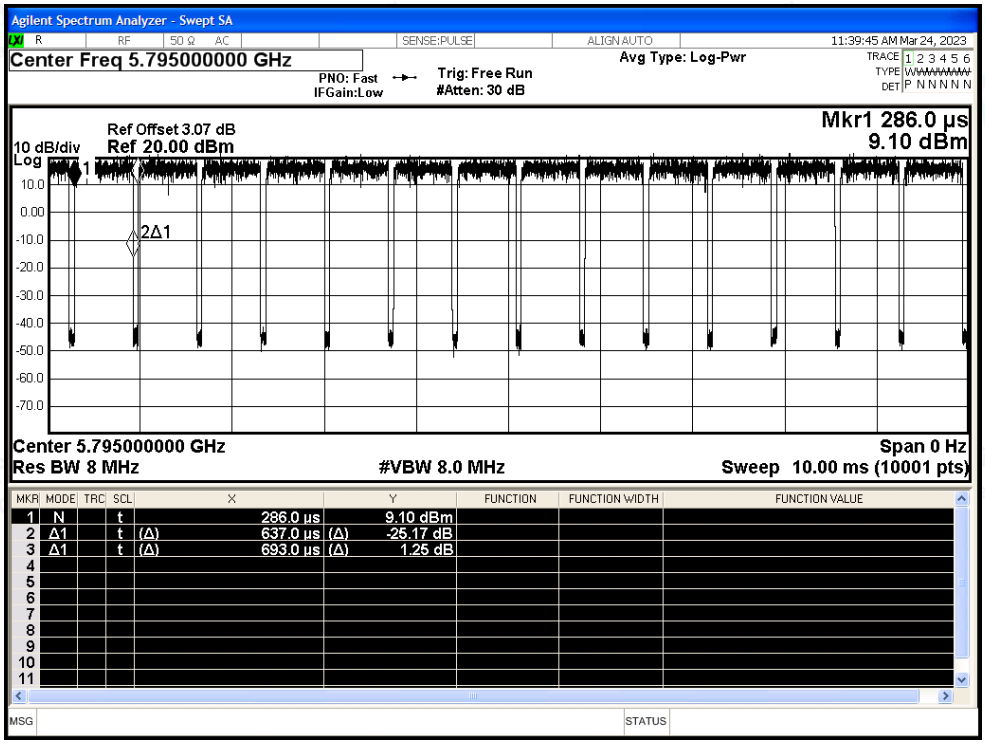

Duty Cycle NVNT n20 5825MHz Ant1



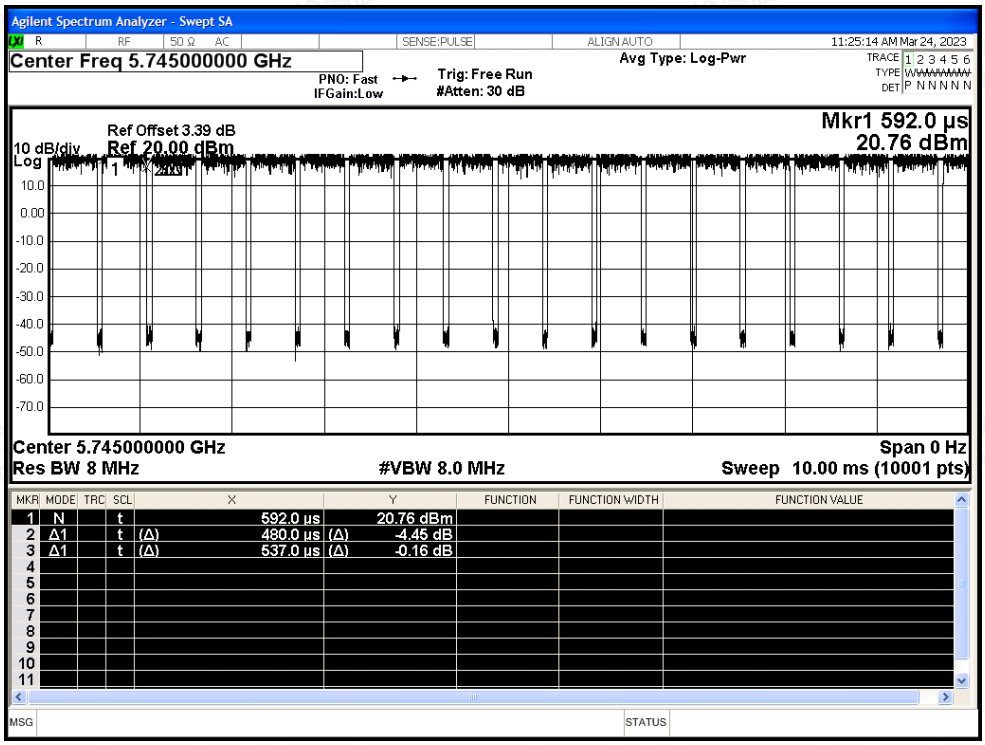
Duty Cycle NVNT n40 5755MHz Ant1



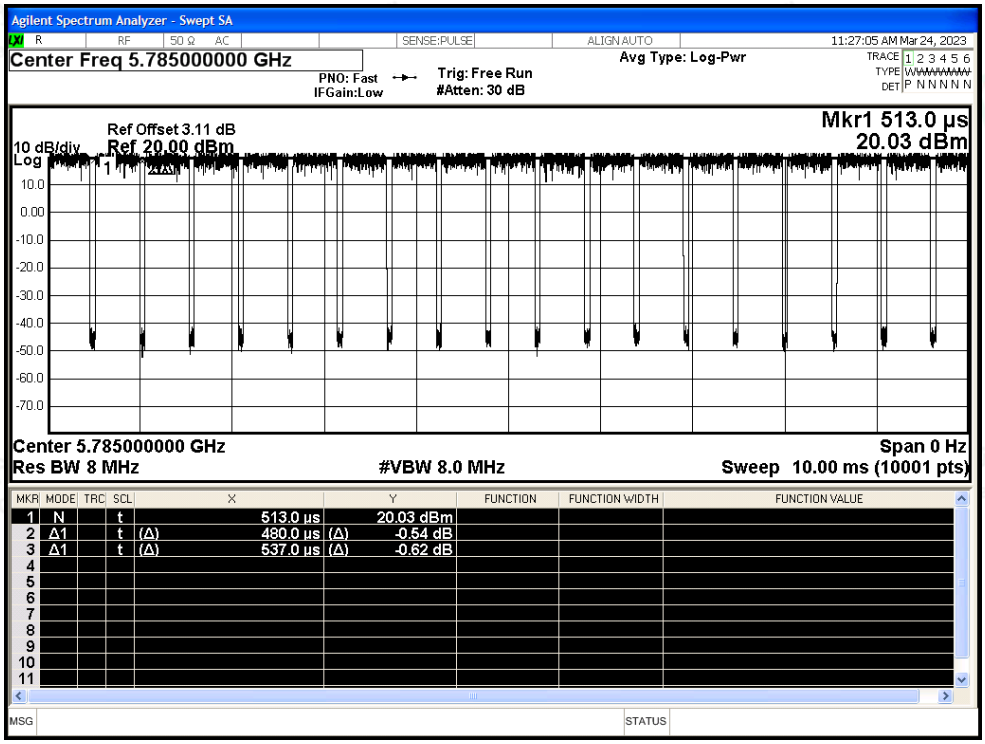

Duty Cycle NVNT n40 5795MHz Ant1



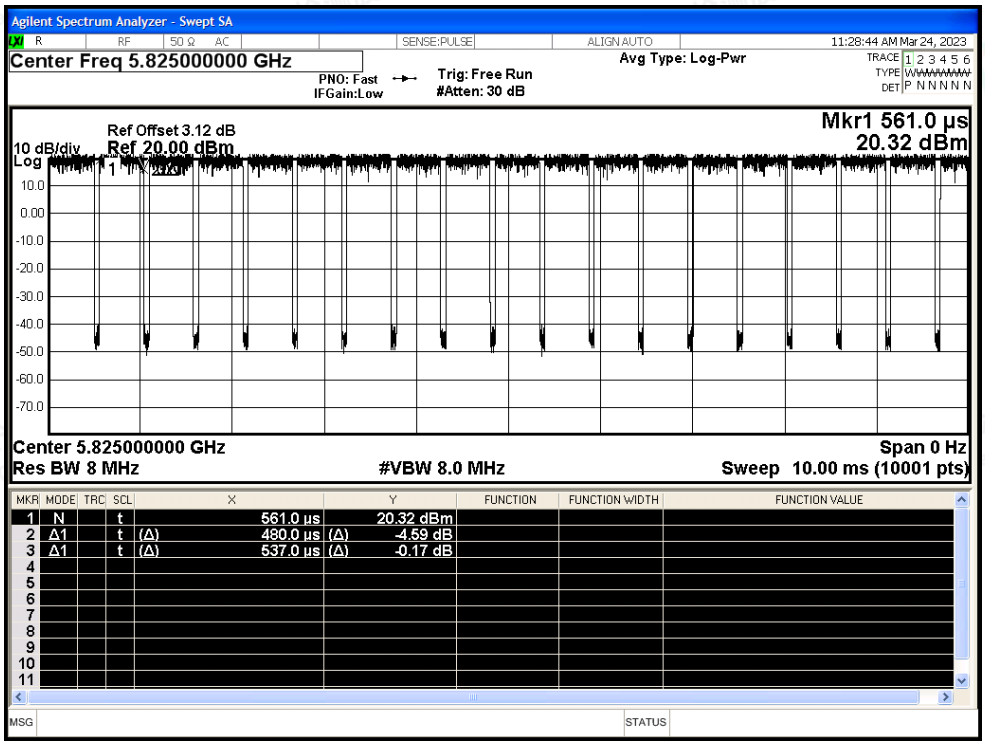
Duty Cycle NVNT ac20 5745MHz Ant1



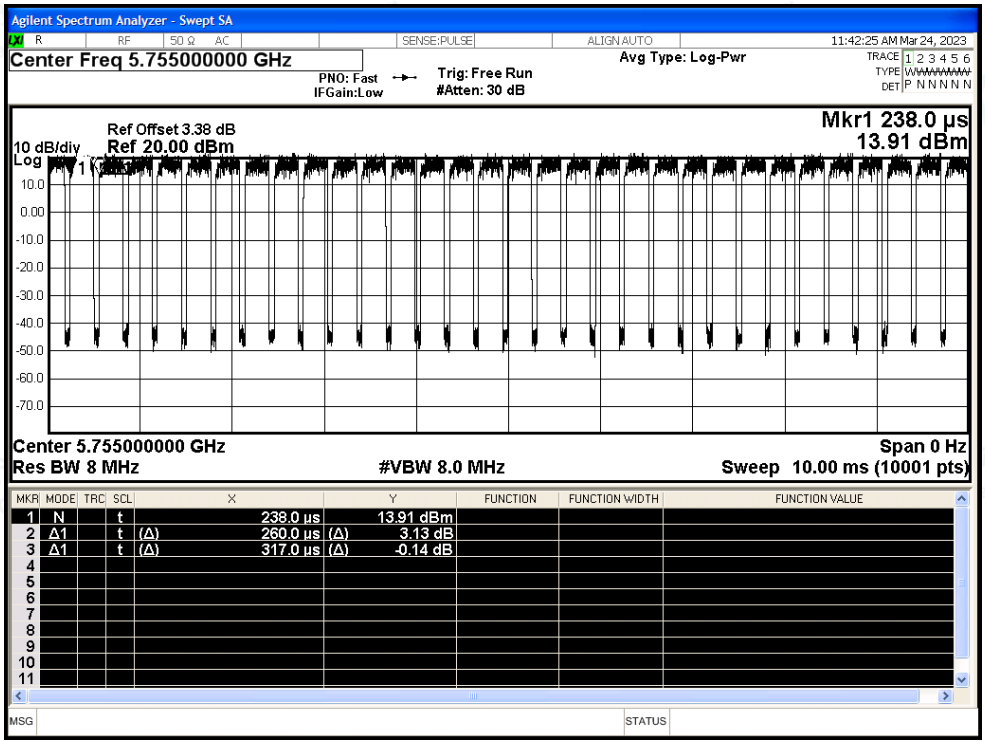

Duty Cycle NVNT ac20 5785MHz Ant1



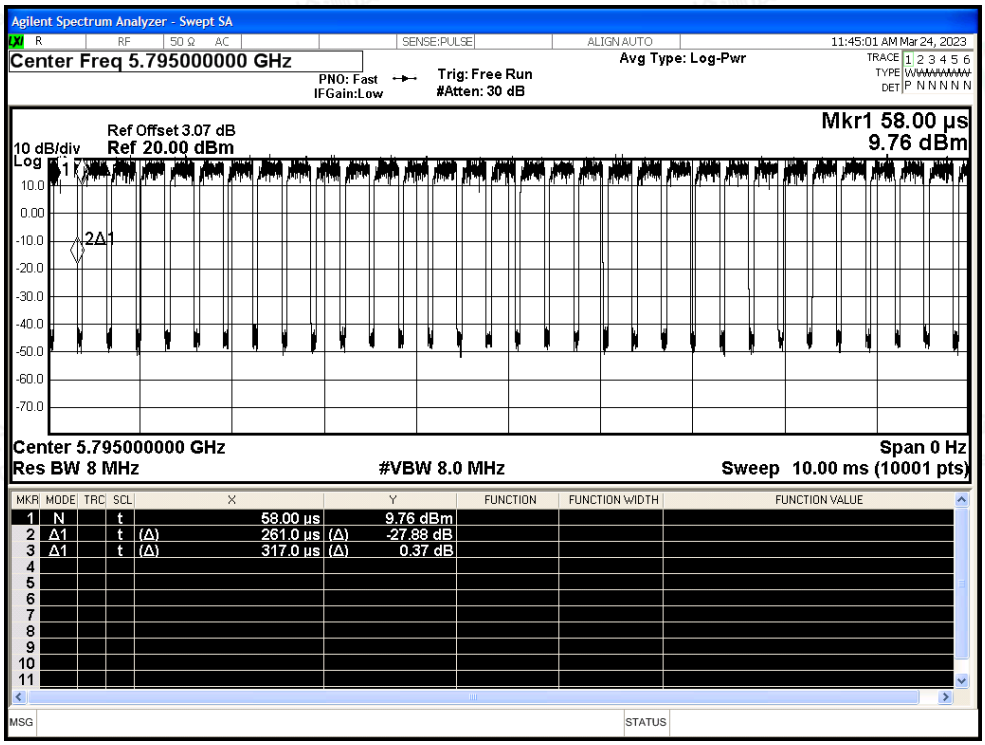
Duty Cycle NVNT ac20 5825MHz Ant1



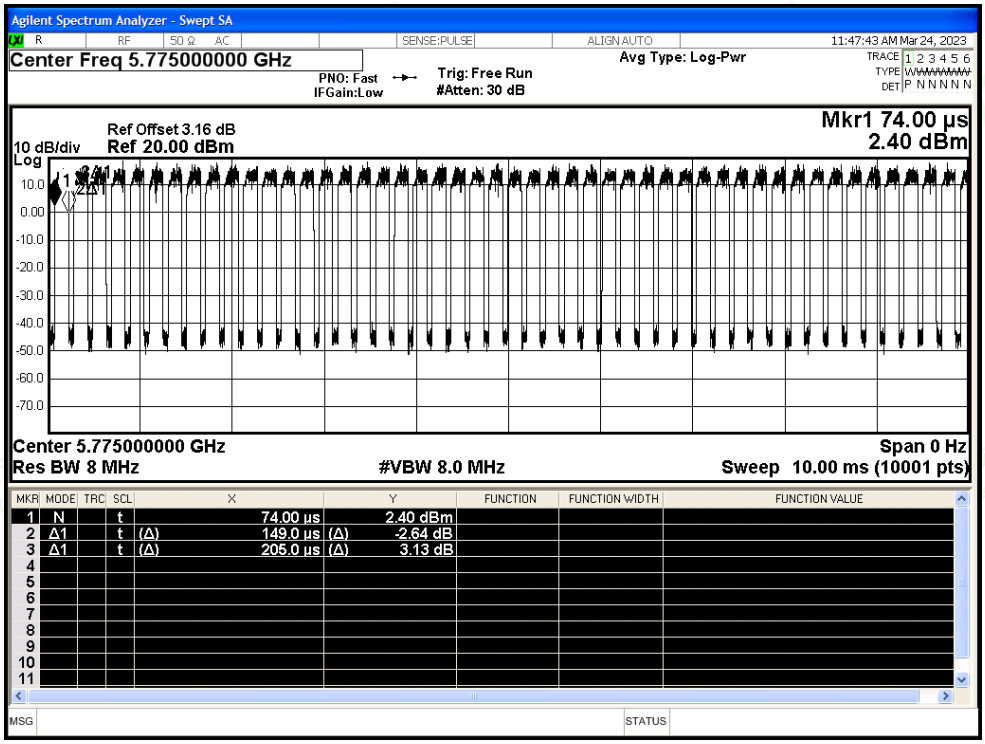

Duty Cycle NVNT ac40 5755MHz Ant1



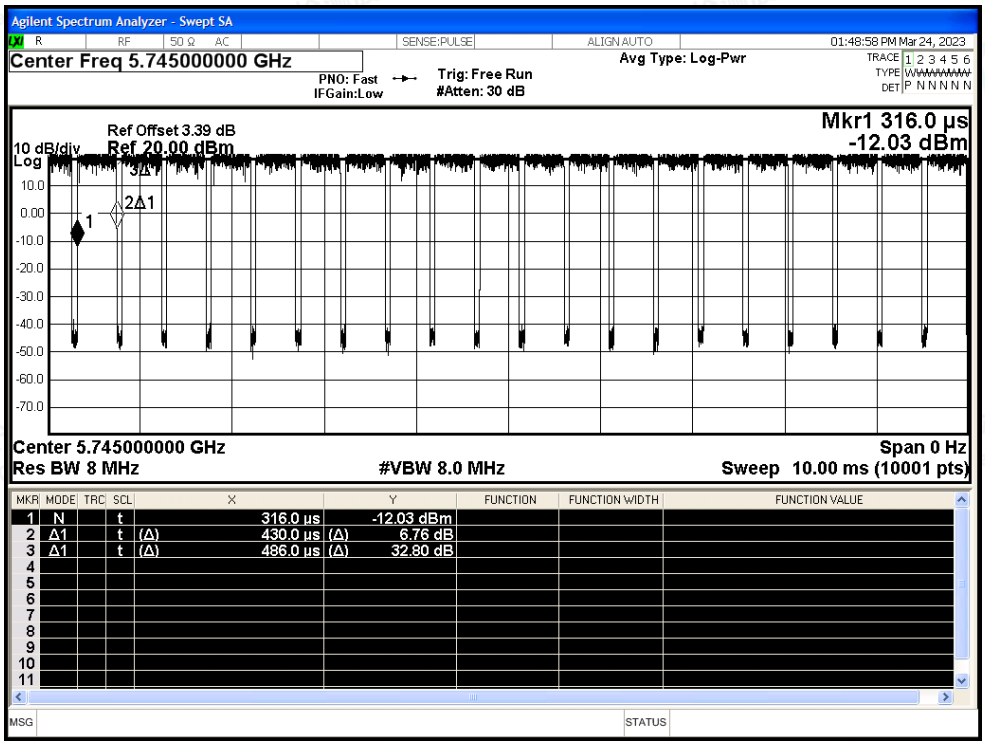
Duty Cycle NVNT ac40 5795MHz Ant1



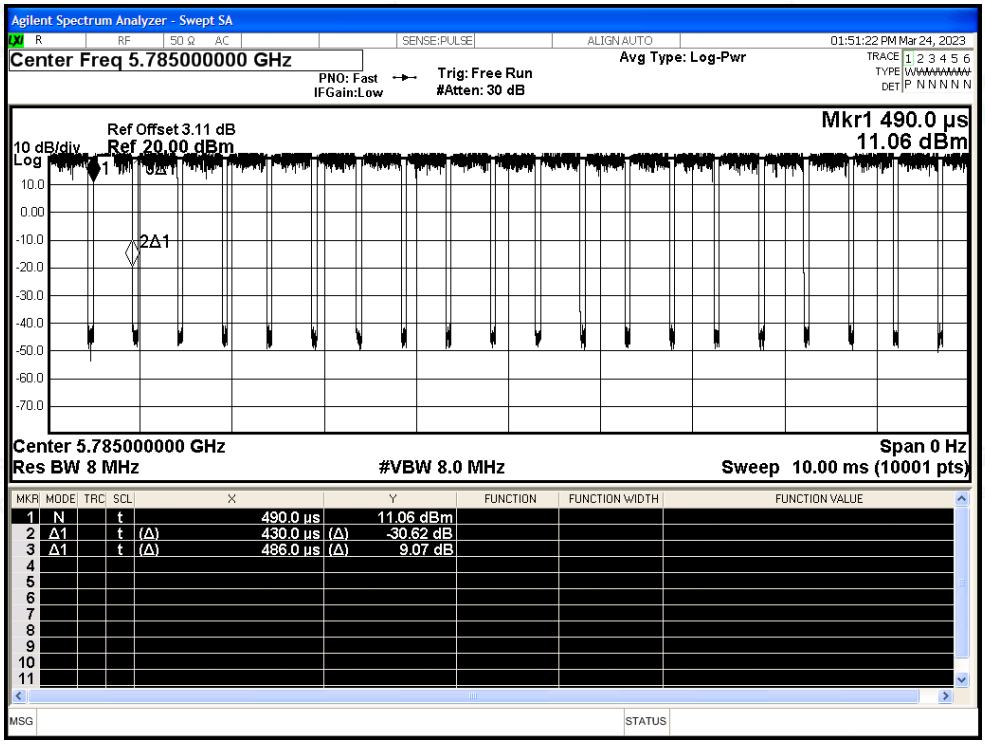

Duty Cycle NVNT ac80 5775MHz Ant1



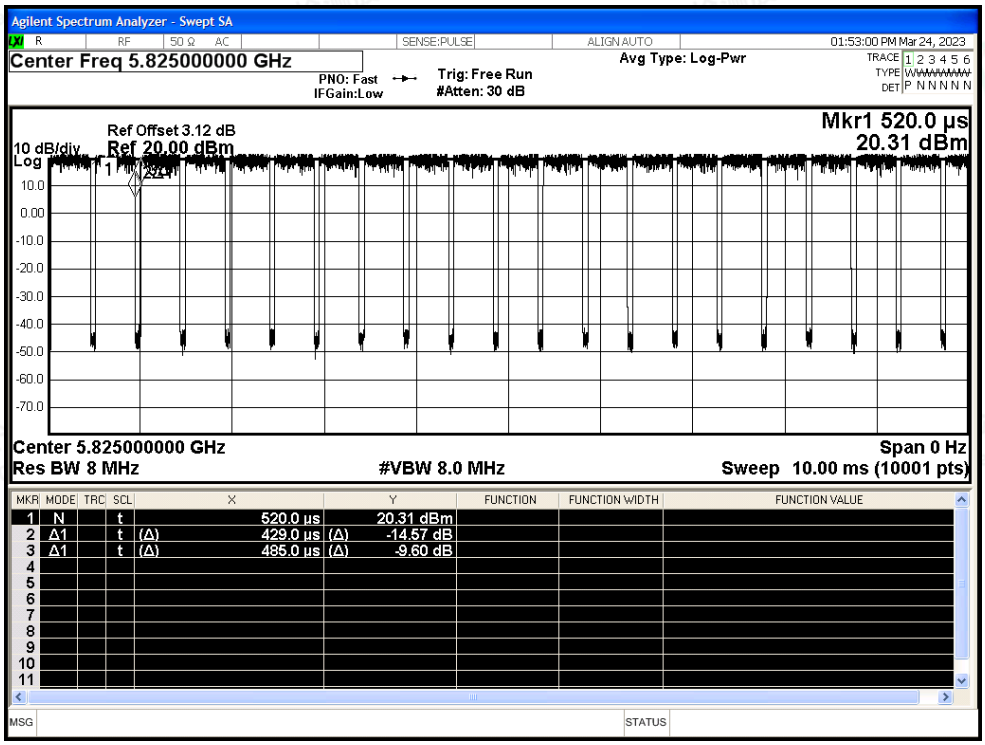
Duty Cycle NVNT ax20 5745MHz Ant1



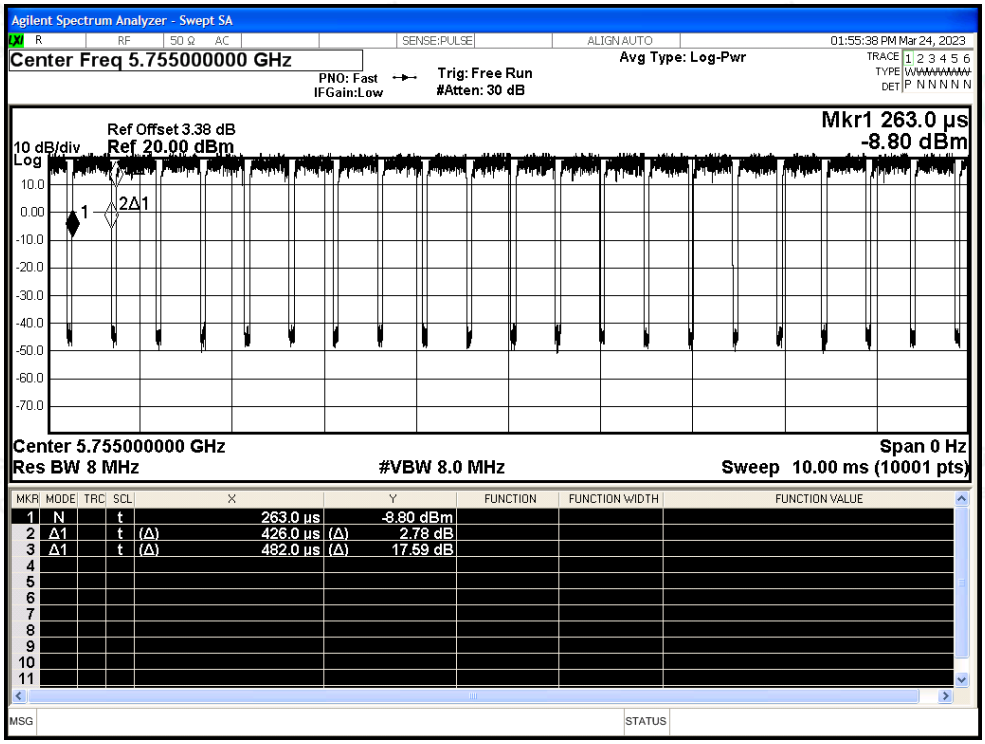

Duty Cycle NVNT ax20 5785MHz Ant1



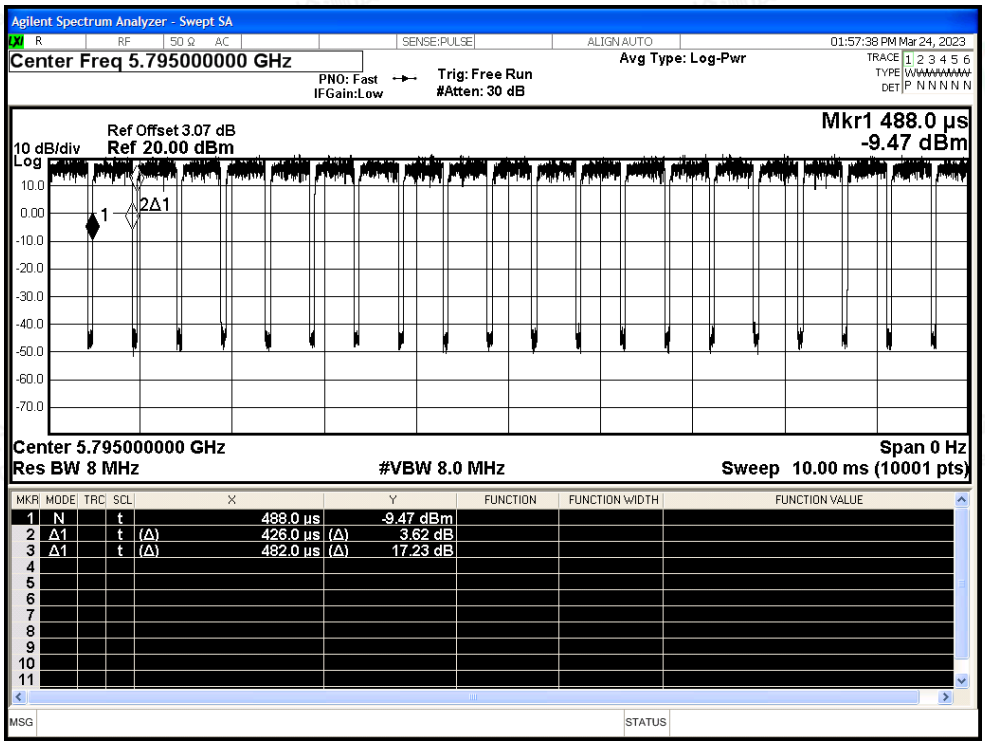
Duty Cycle NVNT ax20 5825MHz Ant1



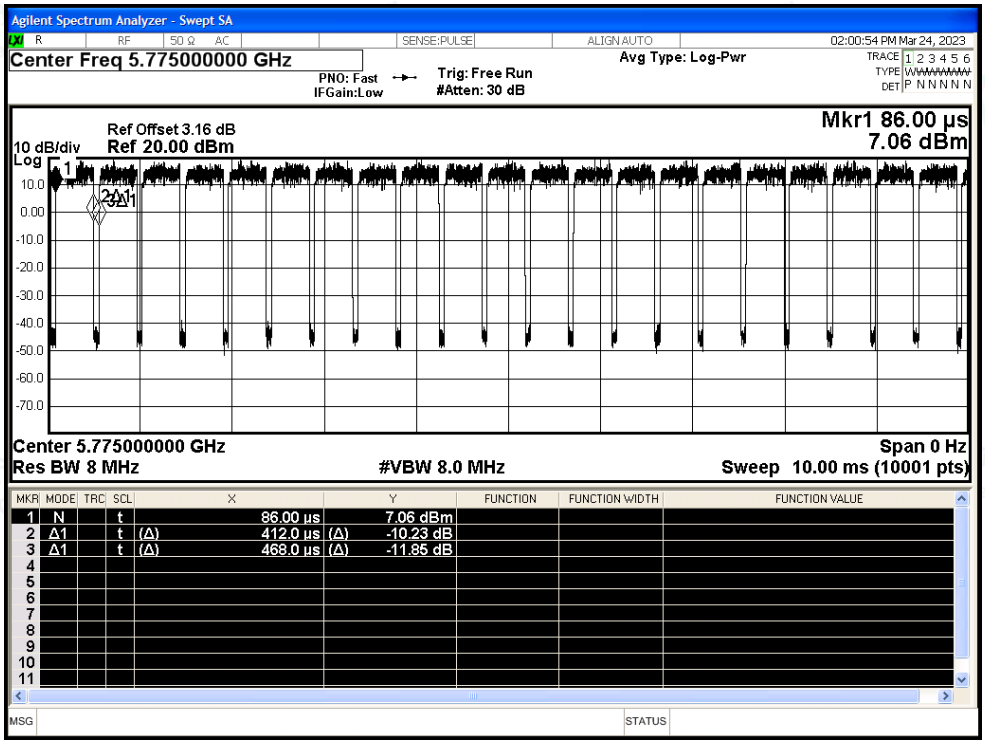

Duty Cycle NVNT ax40 5755MHz Ant1



Duty Cycle NVNT ax40 5795MHz Ant1

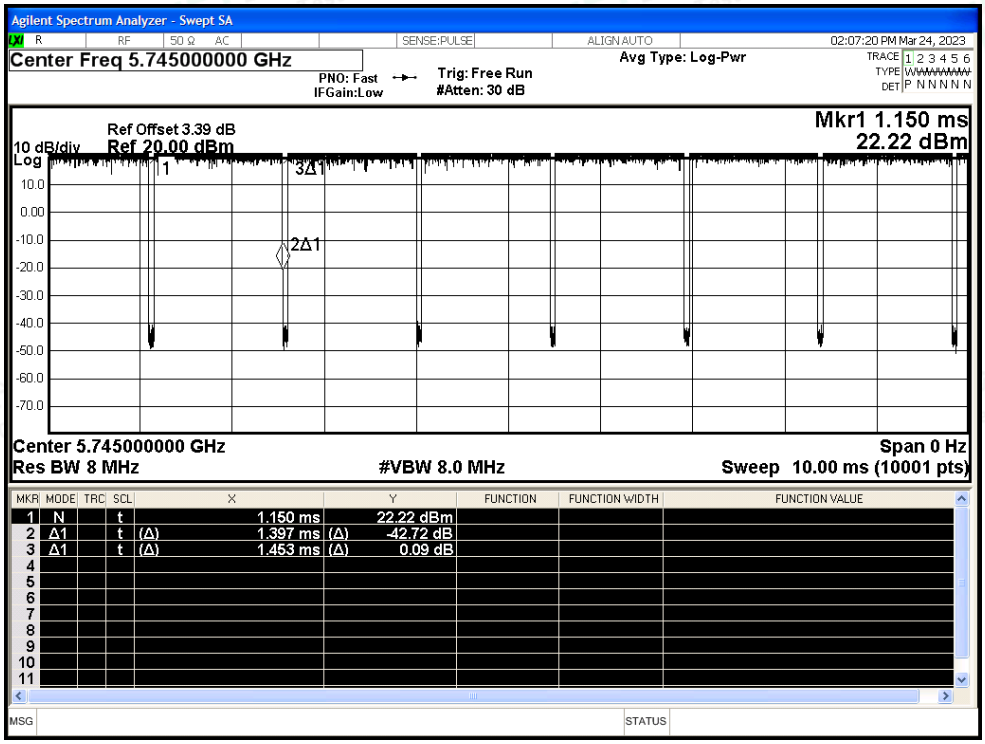



Duty Cycle NVNT ax80 5775MHz Ant1

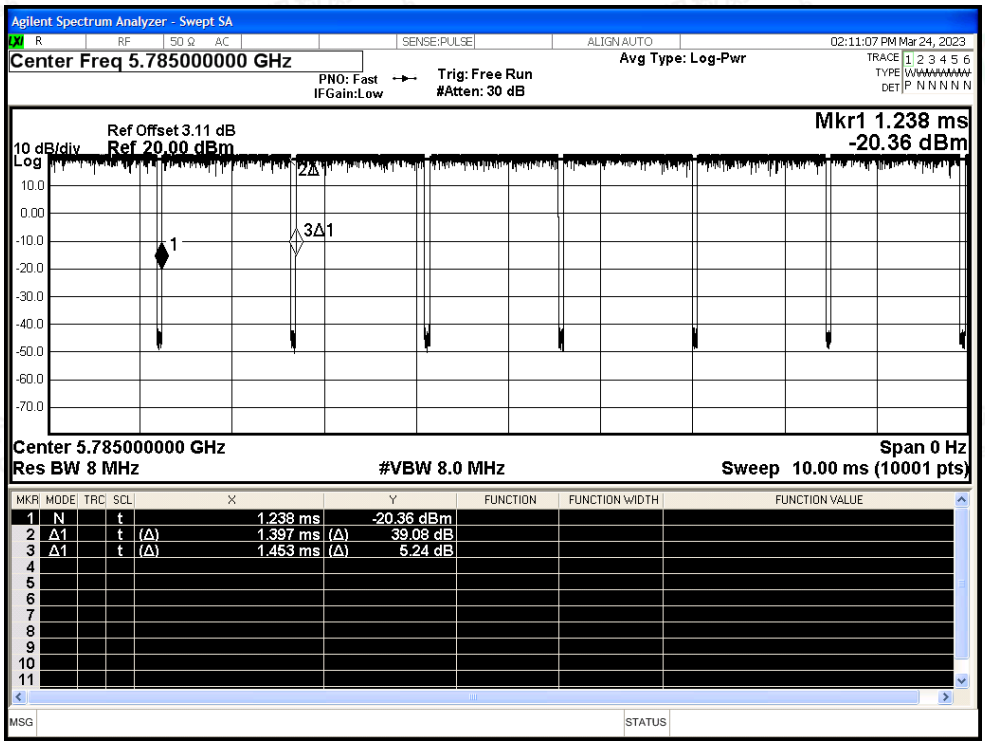


| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5785 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5825 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | n20 | 5745 | Ant2 | 73.21 | 1.35 | 6.54 |
| NVNT | n20 | 5785 | Ant2 | 72.73 | 1.38 | 6.58 |
| NVNT | n20 | 5825 | Ant2 | 73.21 | 1.35 | 6.54 |
| NVNT | n40 | 5755 | Ant2 | 91.77 | 0.37 | 1.57 |
| NVNT | n40 | 5795 | Ant2 | 91.77 | 0.37 | 1.57 |
| NVNT | ac20 | 5745 | Ant2 | 62.75 | 2.02 | 10.42 |
| NVNT | ac20 | 5785 | Ant2 | 62.75 | 2.02 | 10.42 |
| NVNT | ac20 | 5825 | Ant2 | 63.4 | 1.98 | 10.31 |
| NVNT | ac40 | 5755 | Ant2 | 82.33 | 0.84 | 3.83 |
| NVNT | ac40 | 5795 | Ant2 | 82.02 | 0.86 | 3.85 |
| NVNT | ac80 | 5775 | Ant2 | 72.55 | 1.39 | 6.76 |
| NVNT | ax20 | 5745 | Ant2 | 88.45 | 0.53 | 2.33 |
| NVNT | ax20 | 5785 | Ant2 | 88.27 | 0.54 | 2.33 |
| NVNT | ax20 | 5825 | Ant2 | 88.45 | 0.53 | 2.33 |
| NVNT | ax40 | 5755 | Ant2 | 88.17 | 0.55 | 2.35 |
| NVNT | ax40 | 5795 | Ant2 | 88.38 | 0.54 | 2.35 |
| NVNT | ax80 | 5775 | Ant2 | 87.85 | 0.56 | 2.43 |

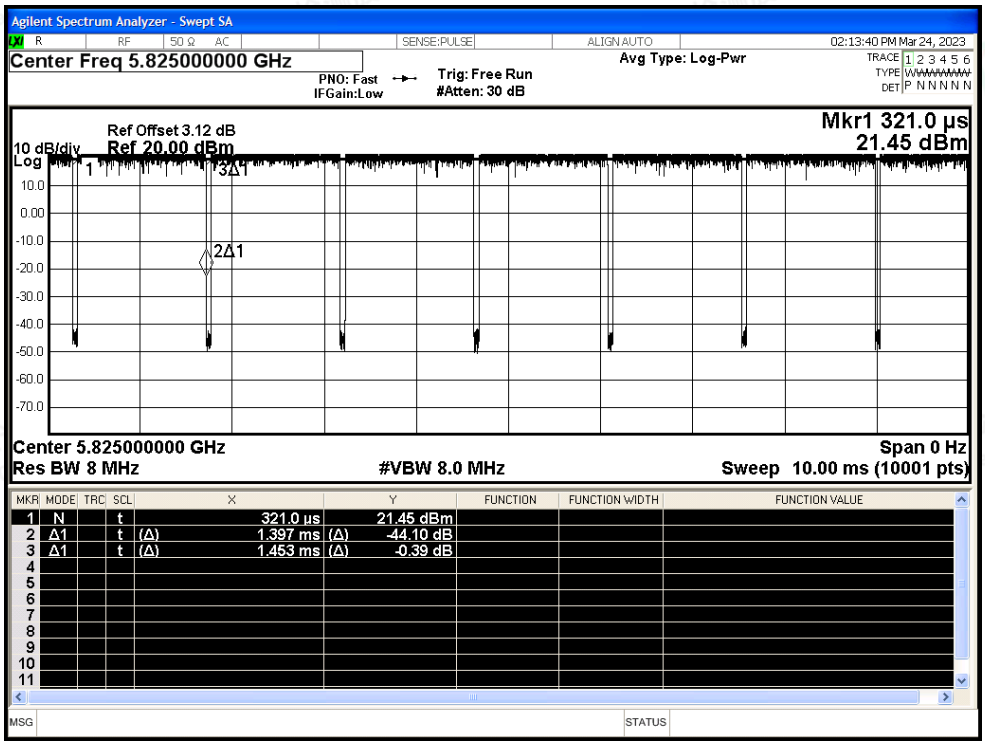
| Test Graphs |
| --- |
| Duty Cycle NVNT a 5745MHz Ant2 |



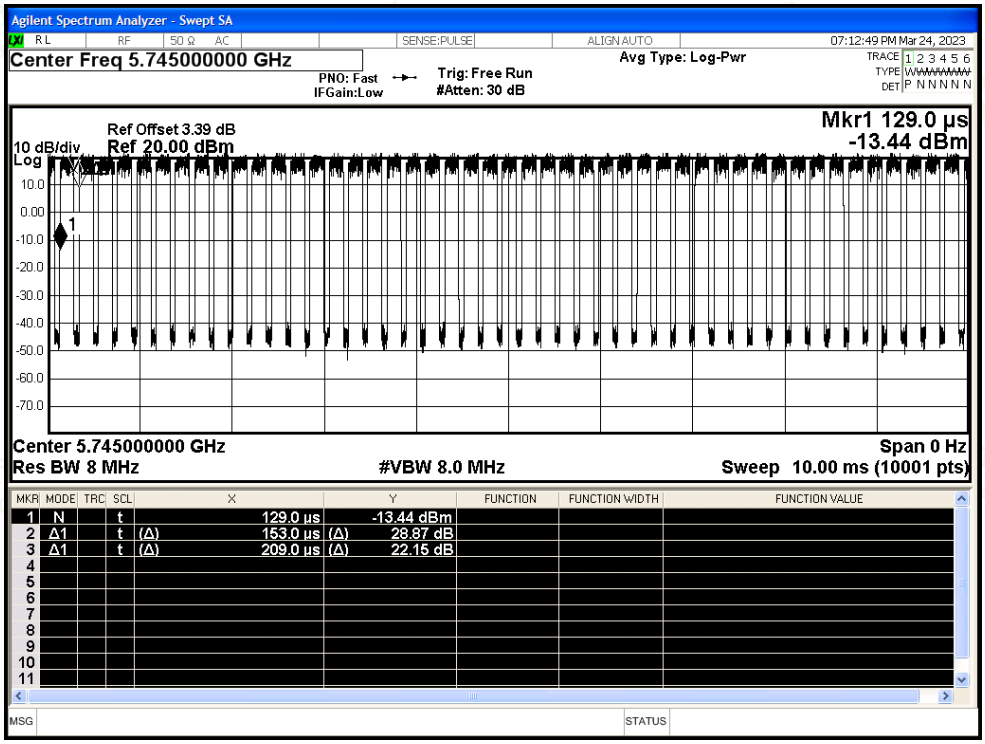

| Duty Cycle NVNT a 5785MHz Ant2 |
| --- |



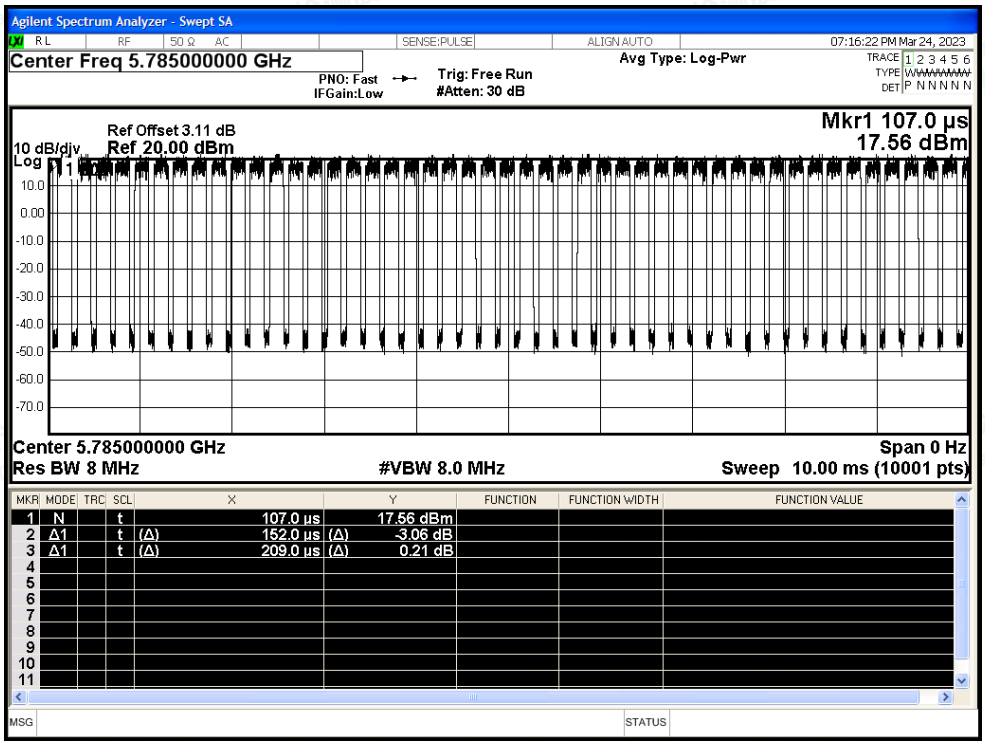
Duty Cycle NVNT a 5825MHz Ant2



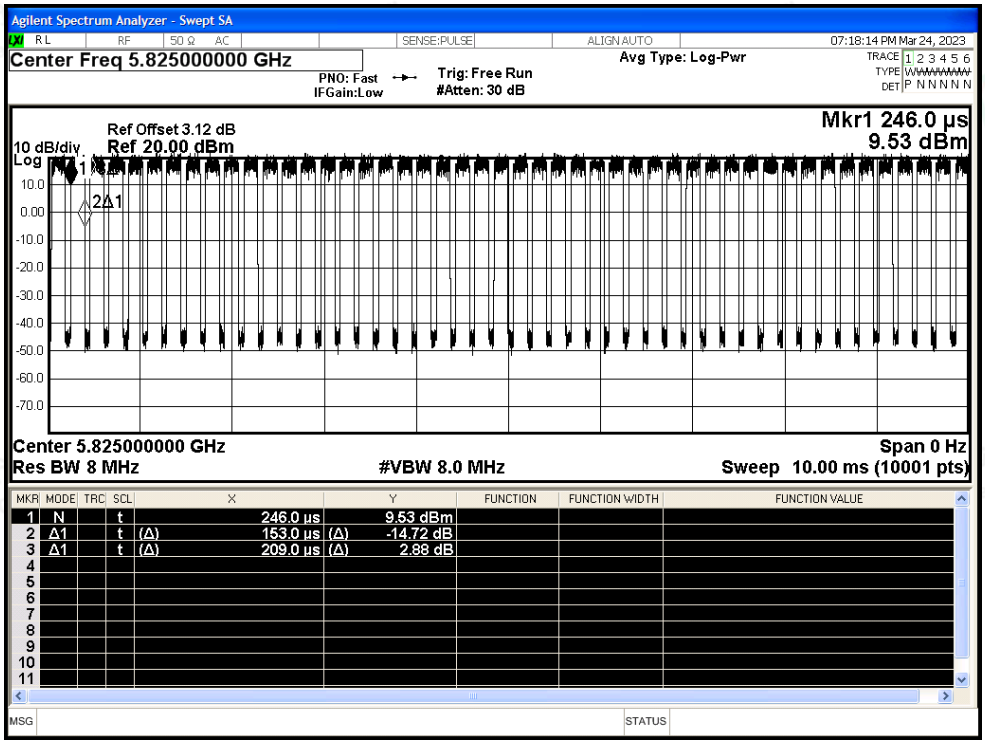

Duty Cycle NVNT n20 5745MHz Ant2



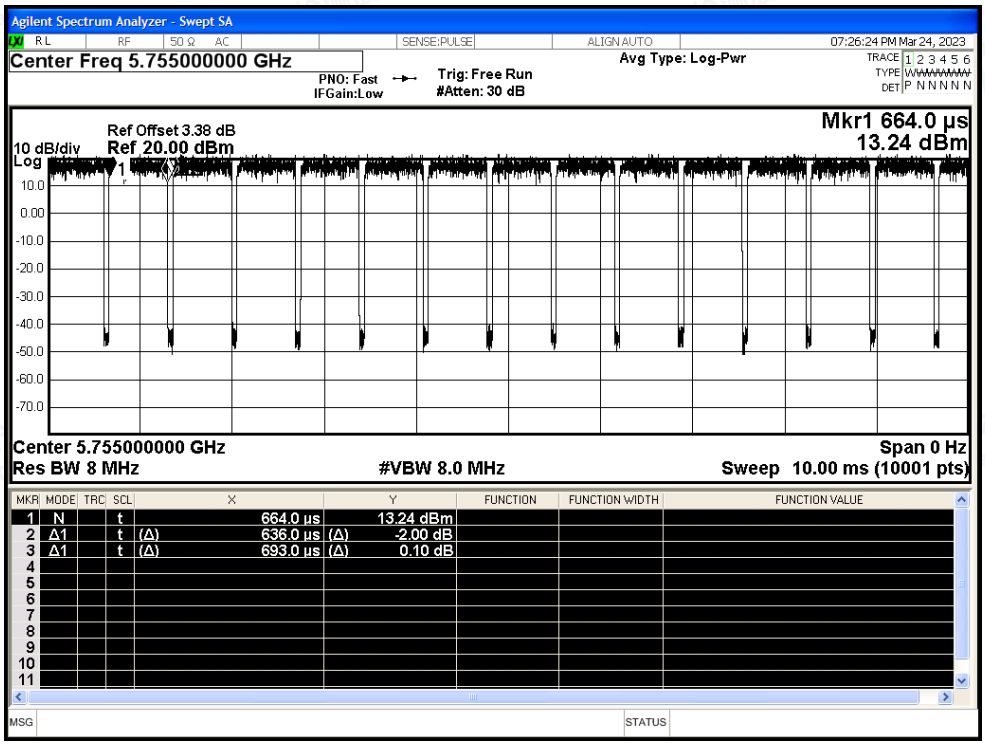
Duty Cycle NVNT n20 5785MHz Ant2



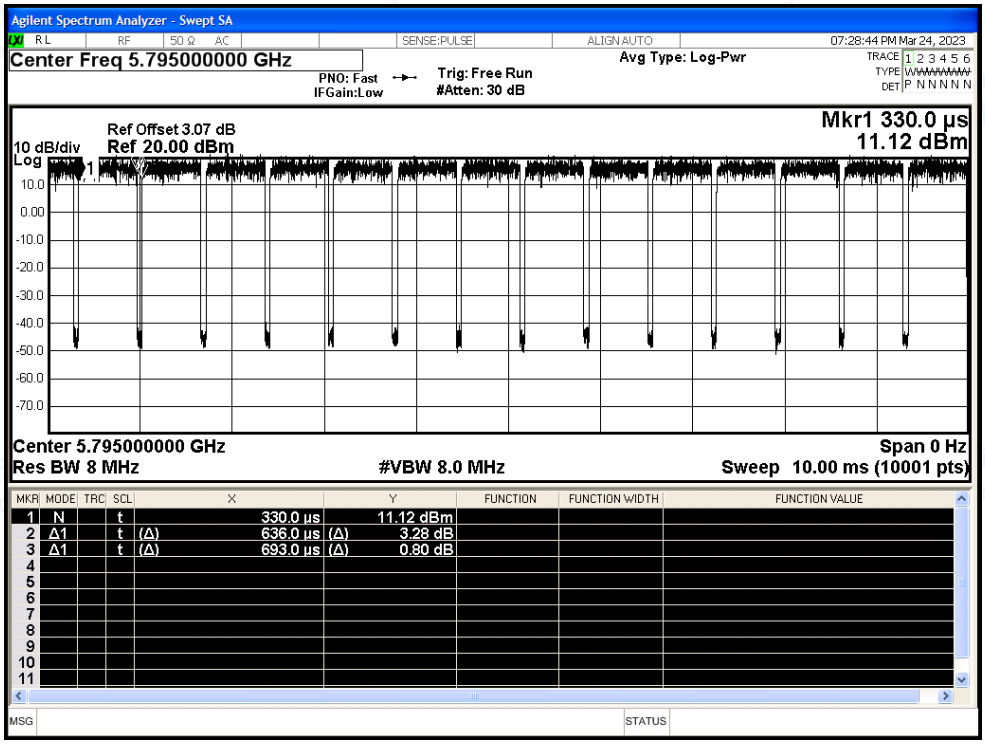

Duty Cycle NVNT n20 5825MHz Ant2



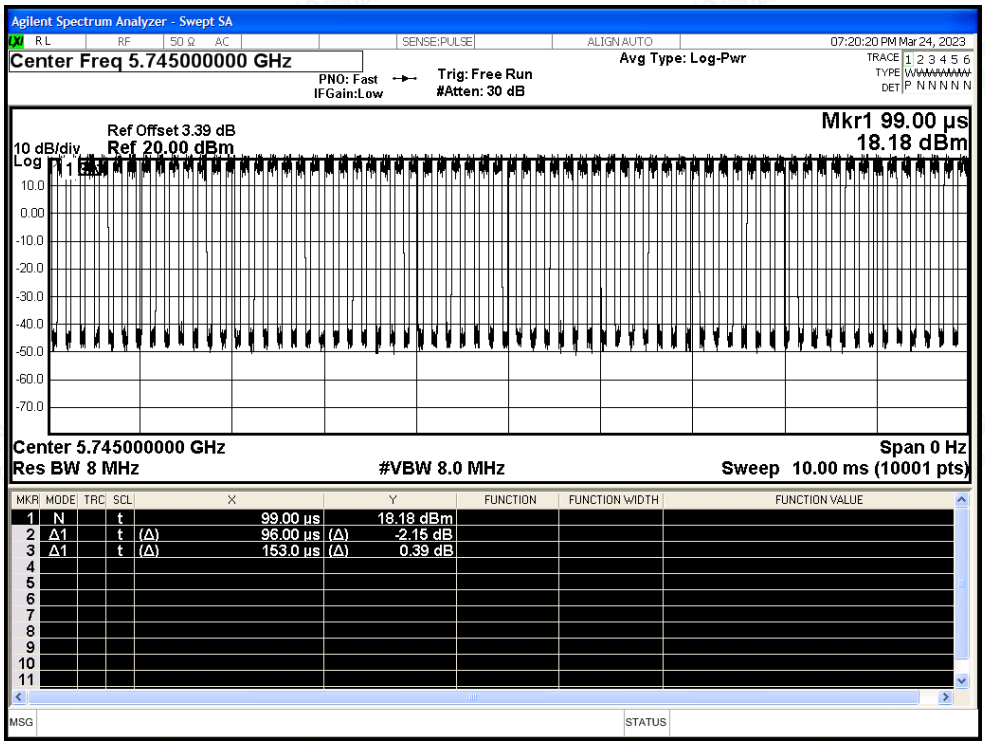
Duty Cycle NVNT n40 5755MHz Ant2



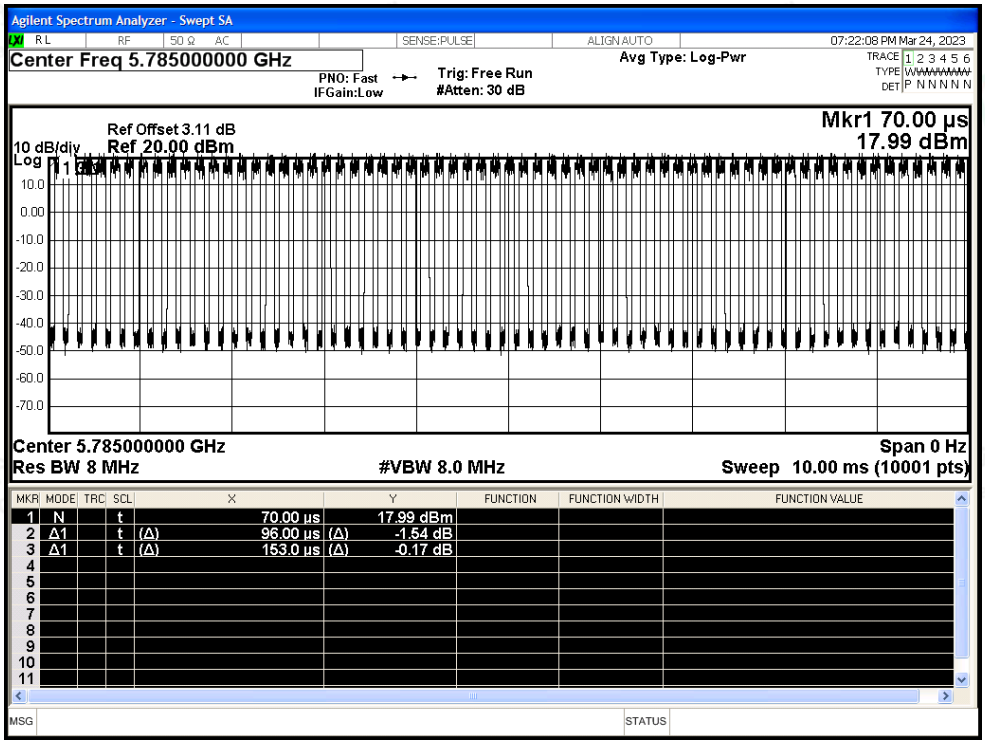

Duty Cycle NVNT n40 5795MHz Ant2



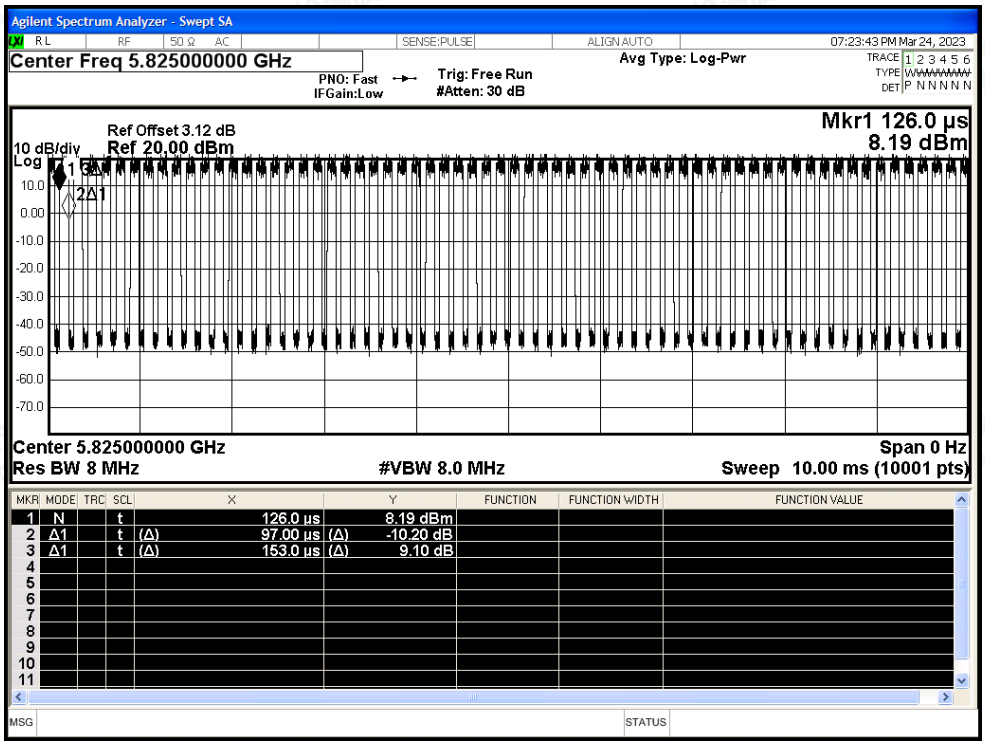
Duty Cycle NVNT ac20 5745MHz Ant2



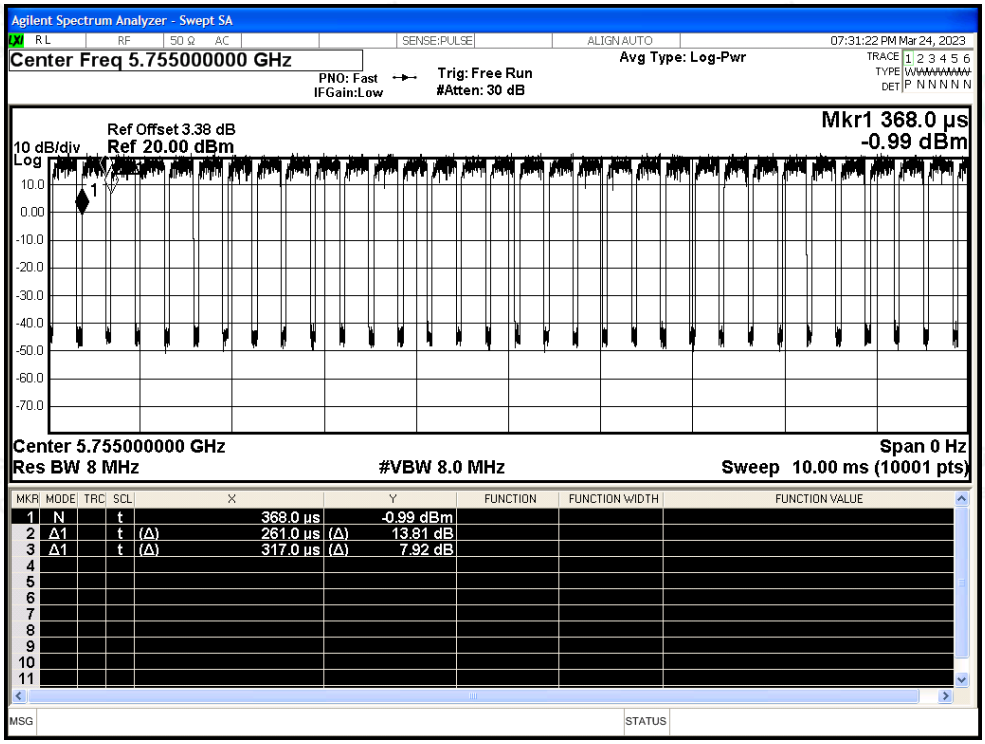

Duty Cycle NVNT ac20 5785MHz Ant2



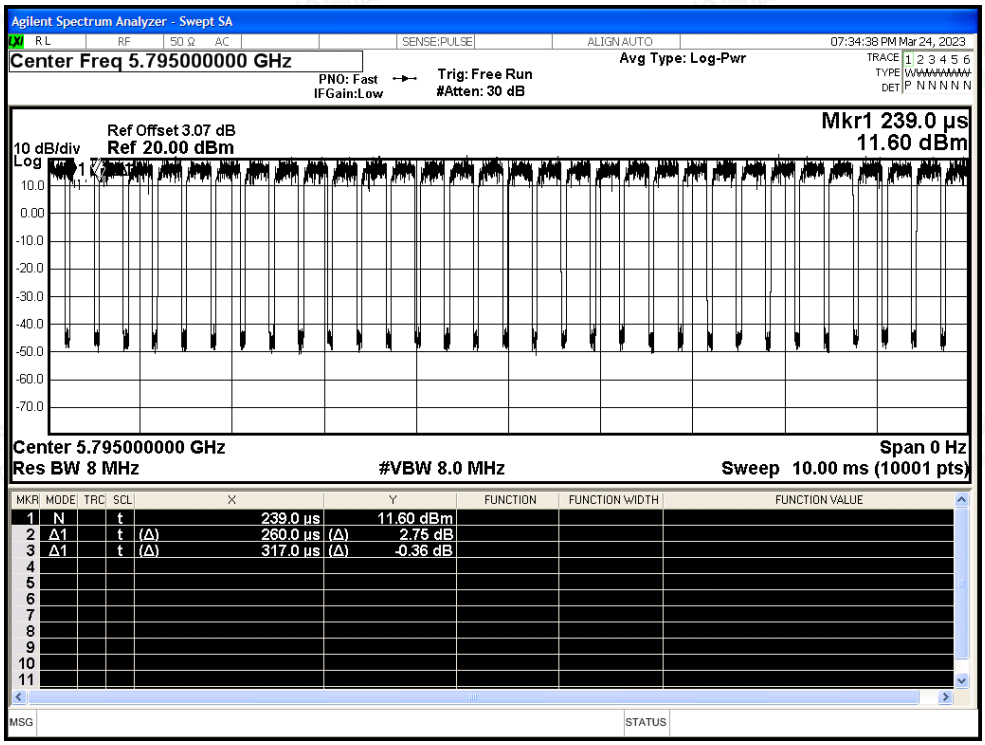
Duty Cycle NVNT ac20 5825MHz Ant2



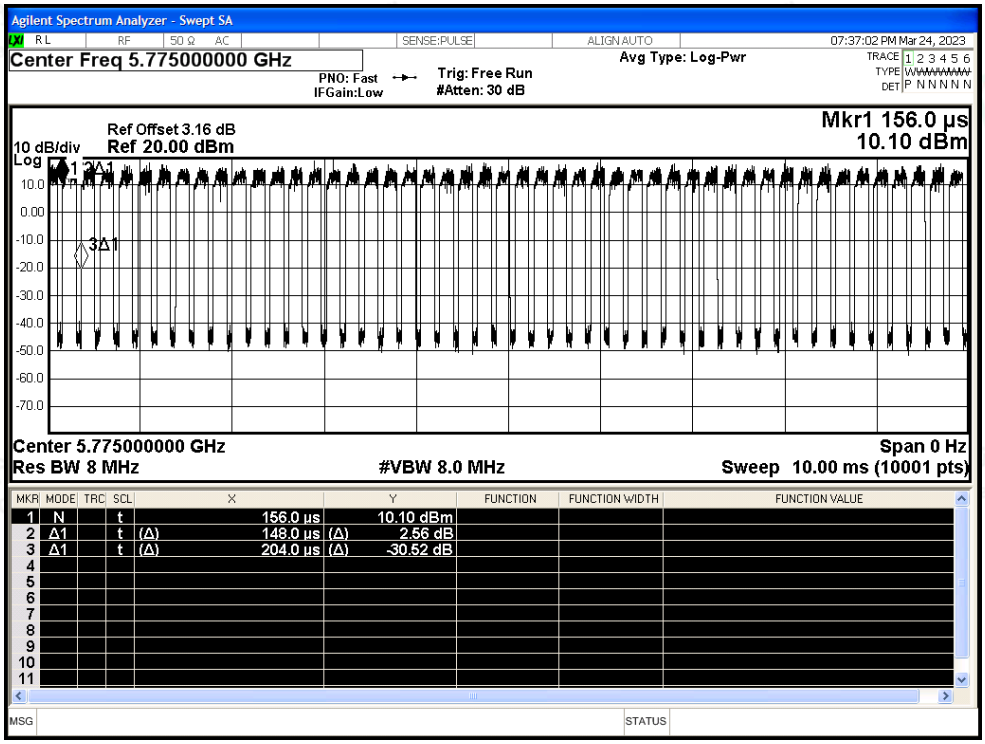

Duty Cycle NVNT ac40 5755MHz Ant2



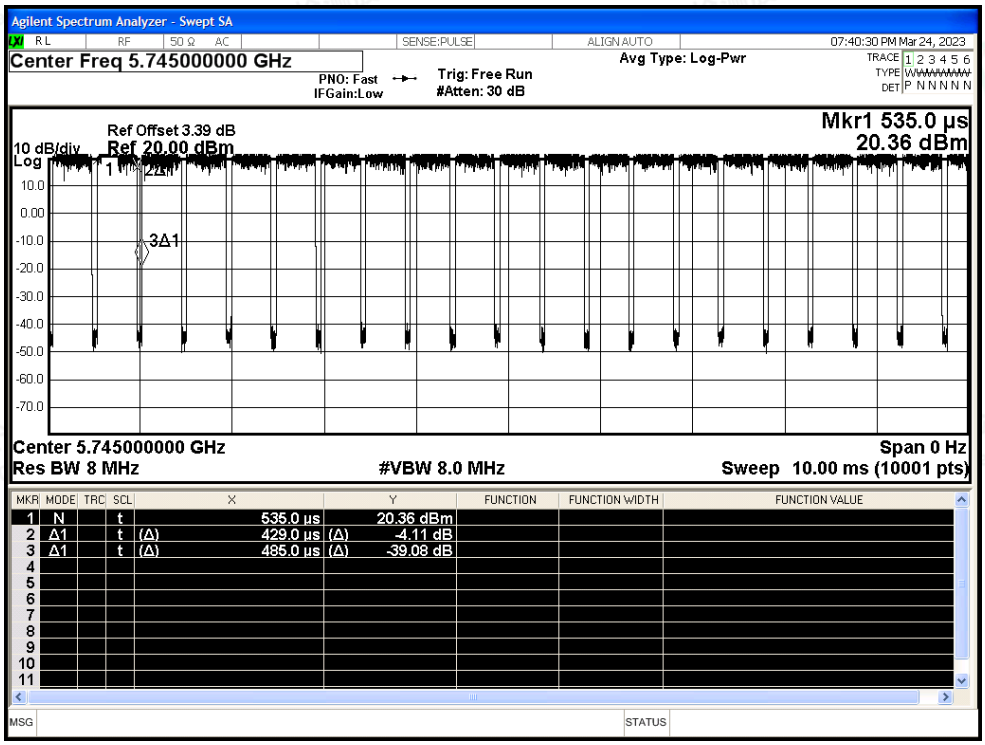
Duty Cycle NVNT ac40 5795MHz Ant2



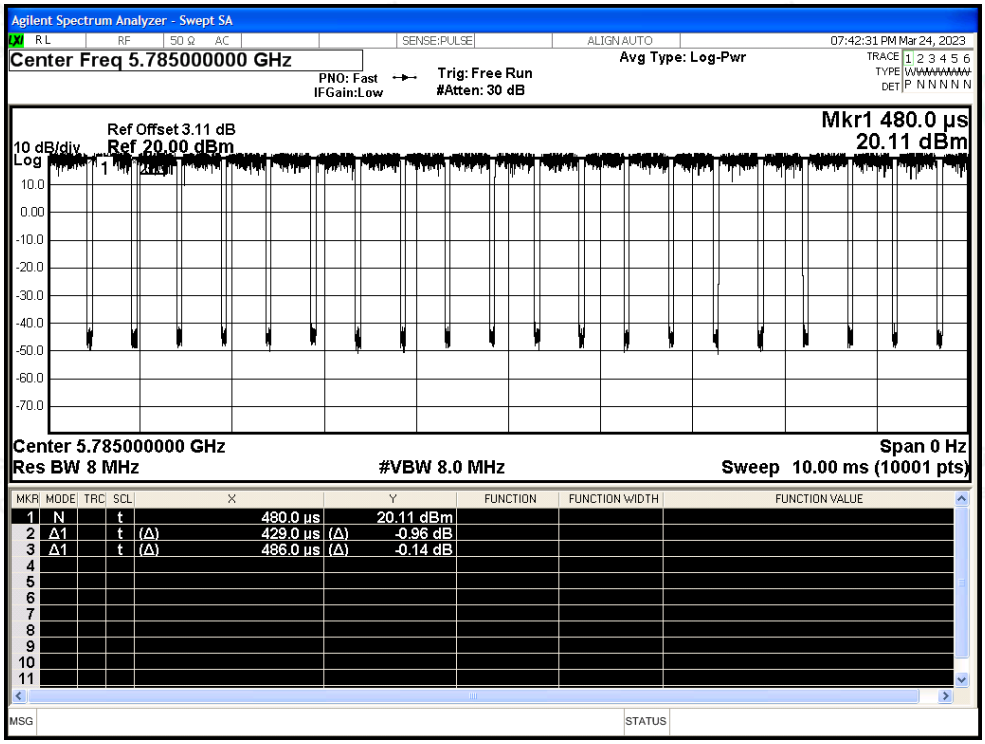

Duty Cycle NVNT ac80 5775MHz Ant2



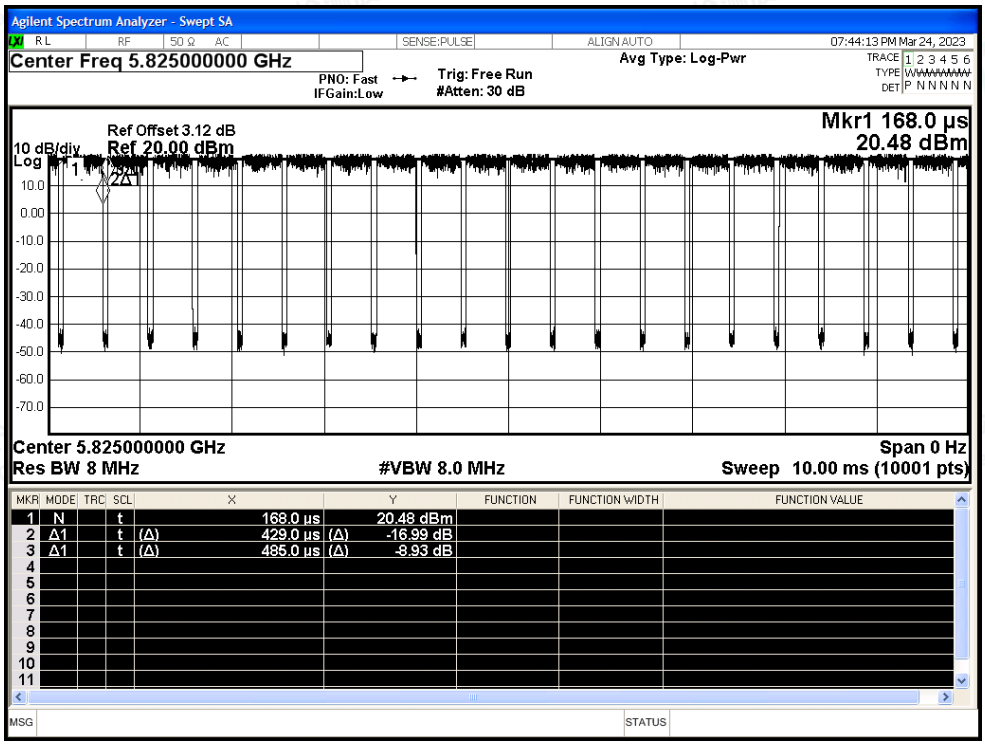
Duty Cycle NVNT ax20 5745MHz Ant2




Duty Cycle NVNT ax20 5785MHz Ant2



Duty Cycle NVNT ax20 5825MHz Ant2

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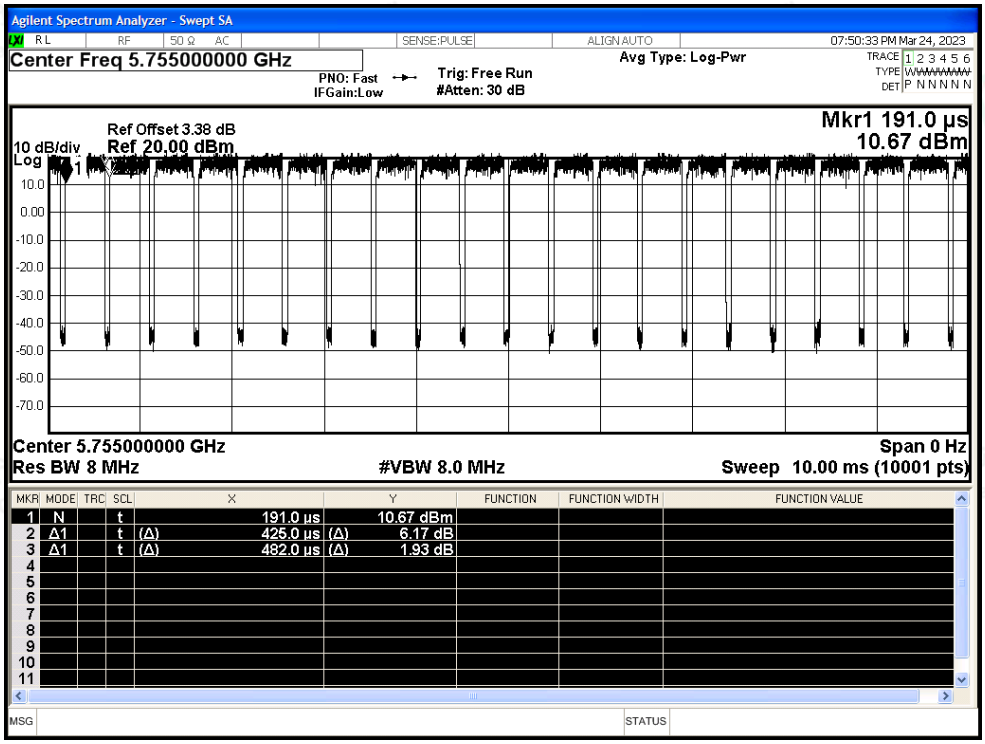
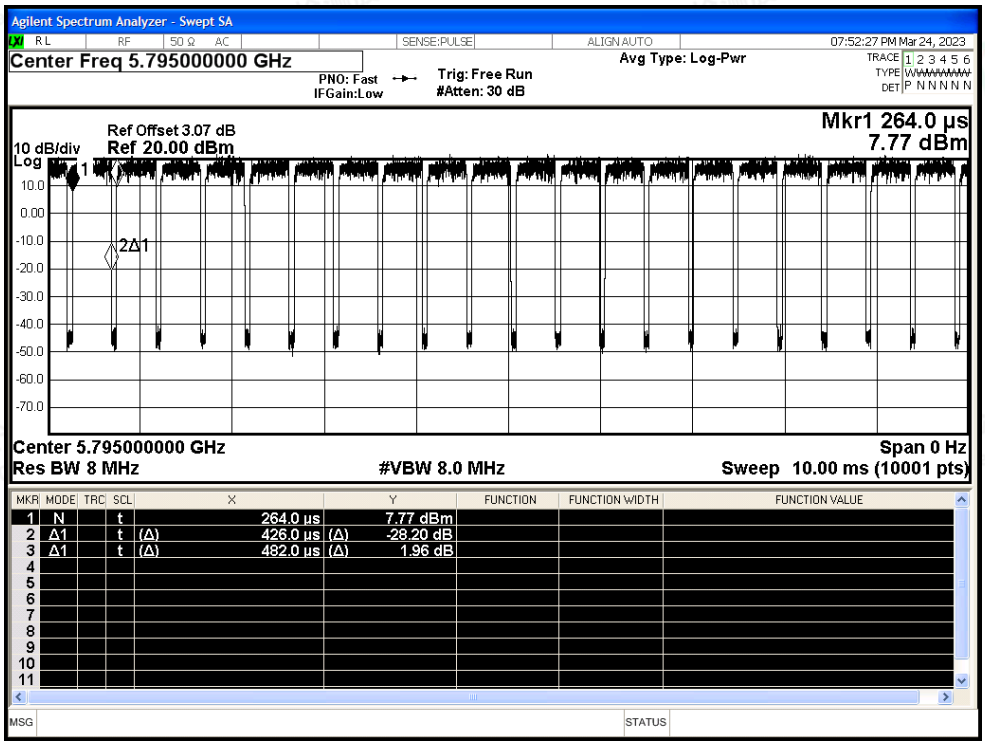
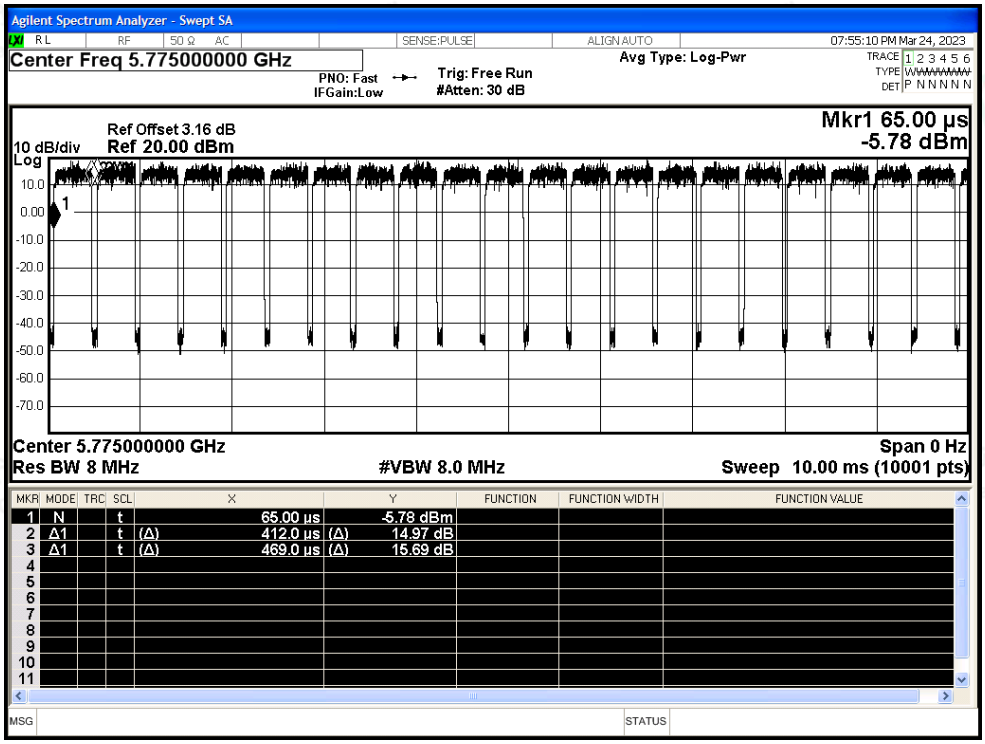


Duty Cycle NVNT ax40 5795MHz Ant2

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