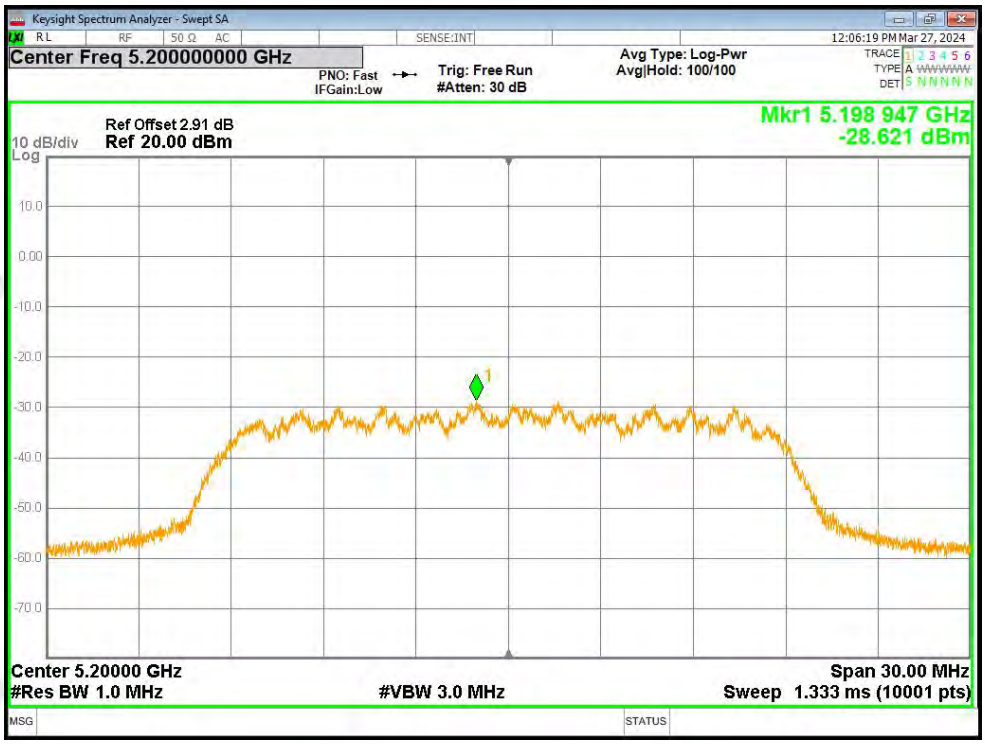
PSD NVNT n40 5190MHz Ant1

PSD NVNT n40 5230MHz Ant1

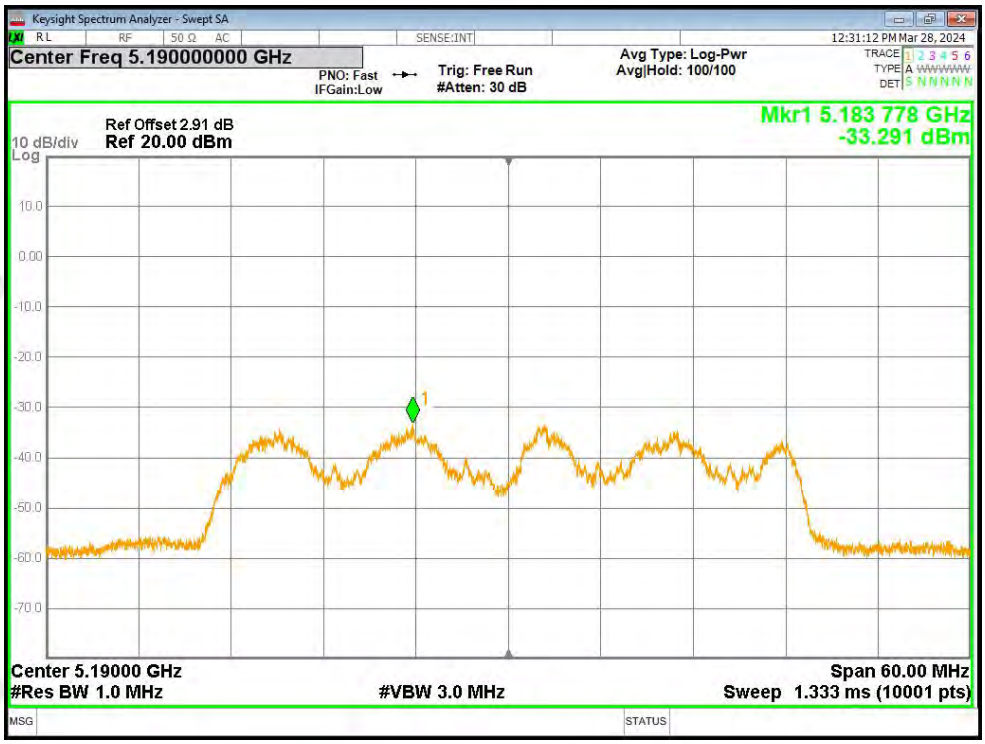
PSD NVNT ac20 5180MHz Ant1

PSD NVNT ac20 5200MHz Ant1



PSD NVNT ac20 5240MHz Ant1

PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1

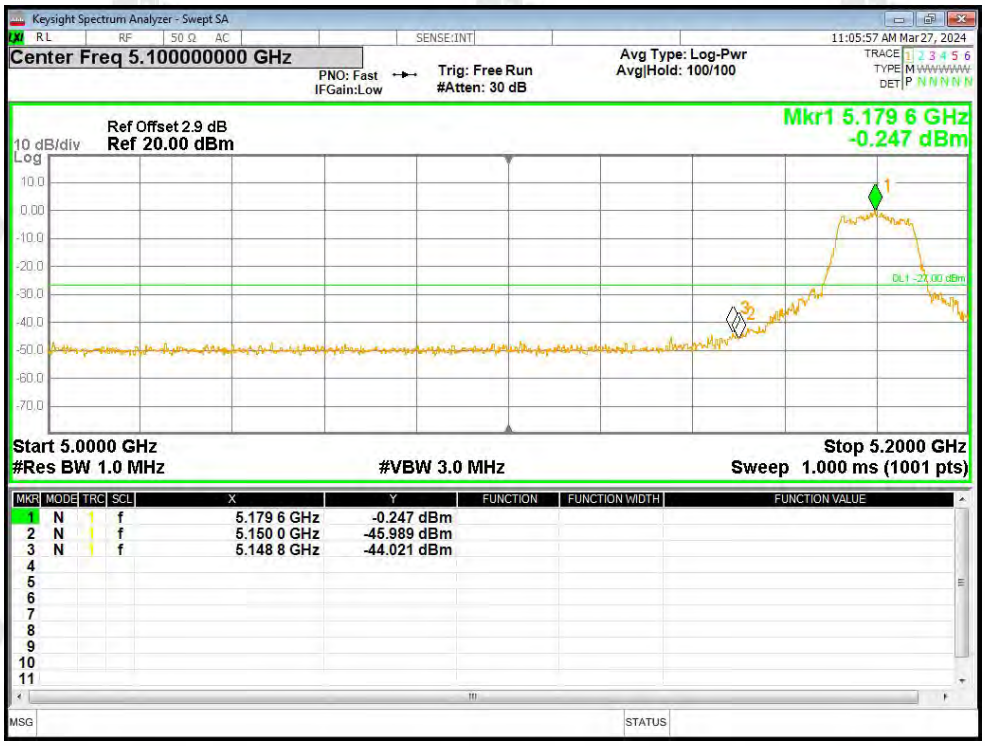
PSD NVNT ac80 5210MHz Ant1

A6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-44.02	-27	Pass
NVNT	a	5240	Ant1	-45.68	-27	Pass
NVNT	n20	5180	Ant1	-44.87	-27	Pass
NVNT	n20	5240	Ant1	-46.13	-27	Pass
NVNT	n40	5190	Ant1	-37.3	-27	Pass
NVNT	n40	5230	Ant1	-46.35	-27	Pass
NVNT	ac20	5180	Ant1	-46.39	-27	Pass
NVNT	ac20	5240	Ant1	-45.44	-27	Pass
NVNT	ac40	5190	Ant1	-45.15	-27	Pass
NVNT	ac40	5230	Ant1	-46.27	-27	Pass
NVNT	ac80	5210	Ant1	-44.28	-27	Pass

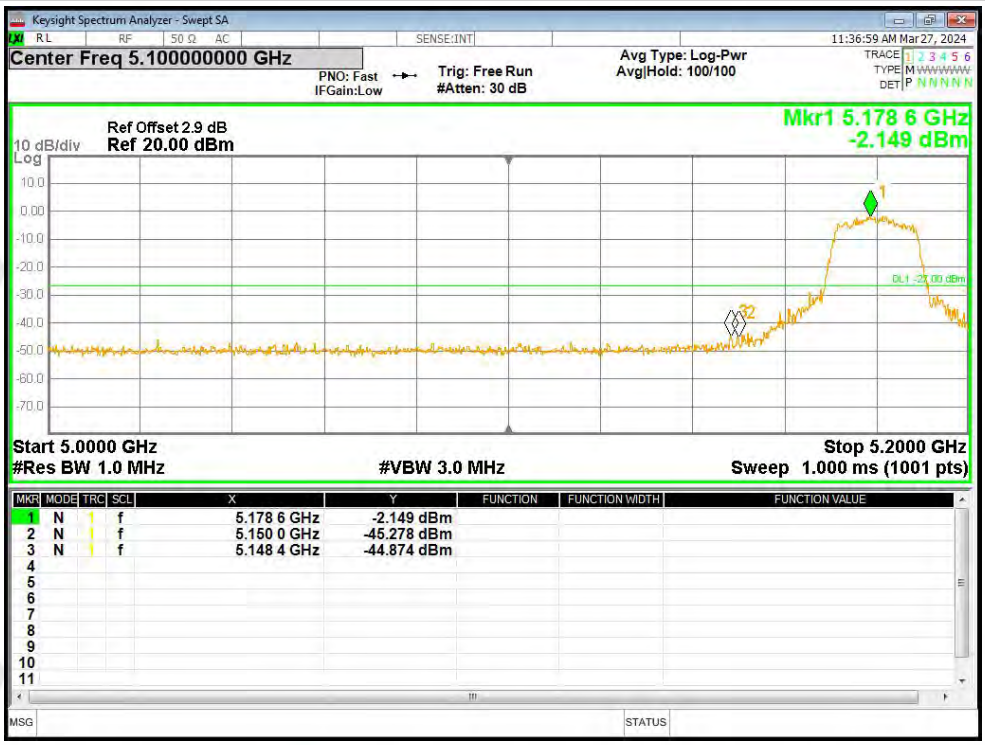
Test Graphs

Band Edge NVNT a 5180MHz Low Ant1



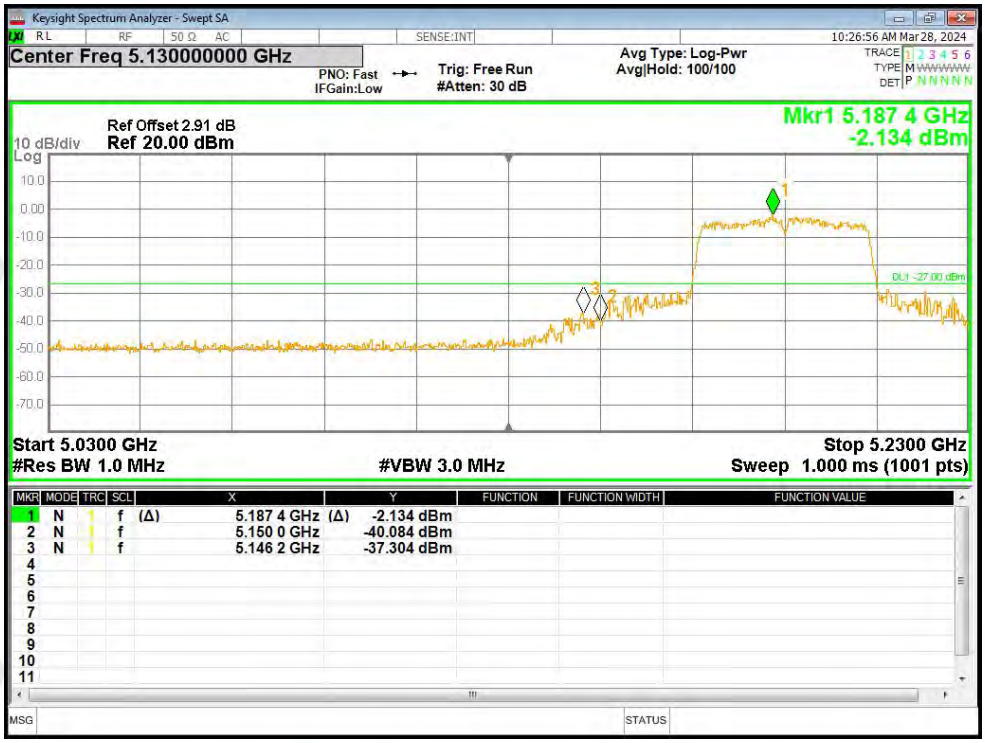
Band Edge NVNT a 5240MHz High Ant1

Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1

Band Edge NVNT n40 5190MHz Low Ant1

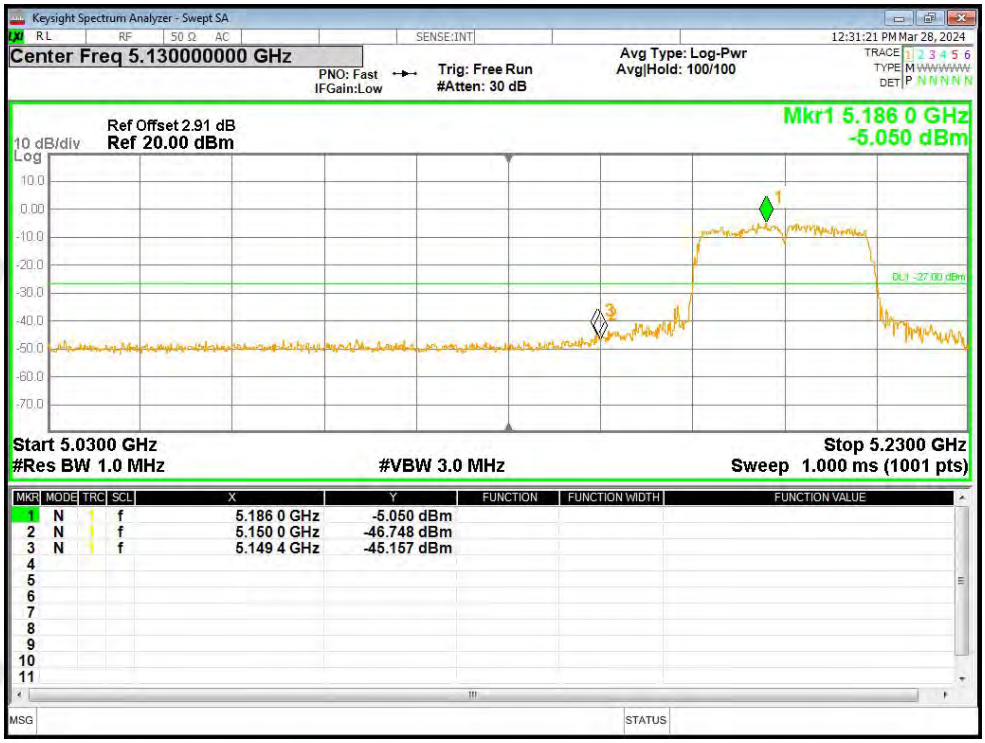


Band Edge NVNT n40 5230MHz High Ant1

Band Edge NVNT ac20 5180MHz Low Ant1

Band Edge NVNT ac20 5240MHz High Ant1

Band Edge NVNT ac40 5190MHz Low Ant1



Band Edge NVNT ac40 5230MHz High Ant1

Band Edge NVNT ac80 5210MHz Low Ant1

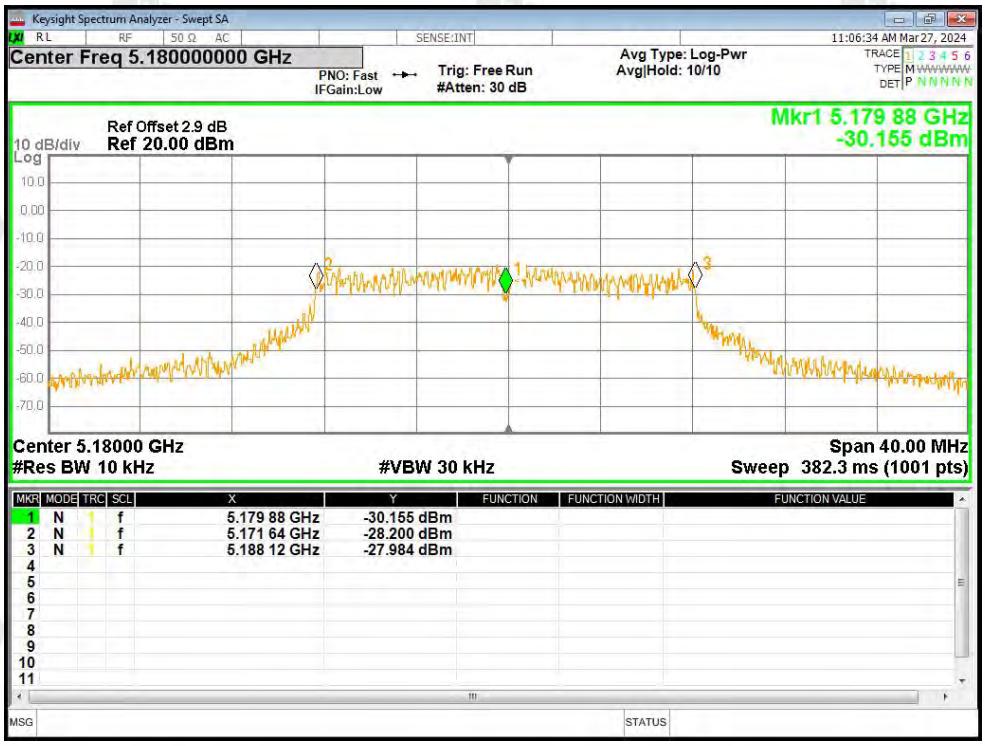
A7. Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5179.88	-120000	-23.17	Within 5150-5250MHz	Pass
NVNT	a	5200	Ant1	5199.92	-80000	-15.38	Within 5150-5250MHz	Pass
NVNT	a	5240	Ant1	5239.88	-120000	-22.9	Within 5150-5250MHz	Pass
NVNT	n20	5180	Ant1	5179.88	-120000	-23.17	Within 5150-5250MHz	Pass
NVNT	n20	5200	Ant1	5199.88	-120000	-23.08	Within 5150-5250MHz	Pass
NVNT	n20	5240	Ant1	5239.88	-120000	-22.9	Within 5150-5250MHz	Pass
NVNT	n40	5190	Ant1	5189.88	-120000	-23.12	Within 5150-5250MHz	Pass
NVNT	n40	5230	Ant1	5229.88	-120000	-22.94	Within 5150-5250MHz	Pass
NVNT	ac20	5180	Ant1	5179.9	-100000	-19.31	Within 5150-5250MHz	Pass
NVNT	ac20	5200	Ant1	5199.9	-100000	-19.23	Within 5150-5250MHz	Pass
NVNT	ac20	5240	Ant1	5239.88	-120000	-22.9	Within 5150-5250MHz	Pass
NVNT	ac40	5190	Ant1	5189.88	-120000	-23.12	Within 5150-5250MHz	Pass
NVNT	ac40	5230	Ant1	5229.88	-120000	-22.94	Within 5150-5250MHz	Pass
NVNT	ac80	5210	Ant1	5209.92	-80000	-15.36	Within 5150-5250MHz	Pass

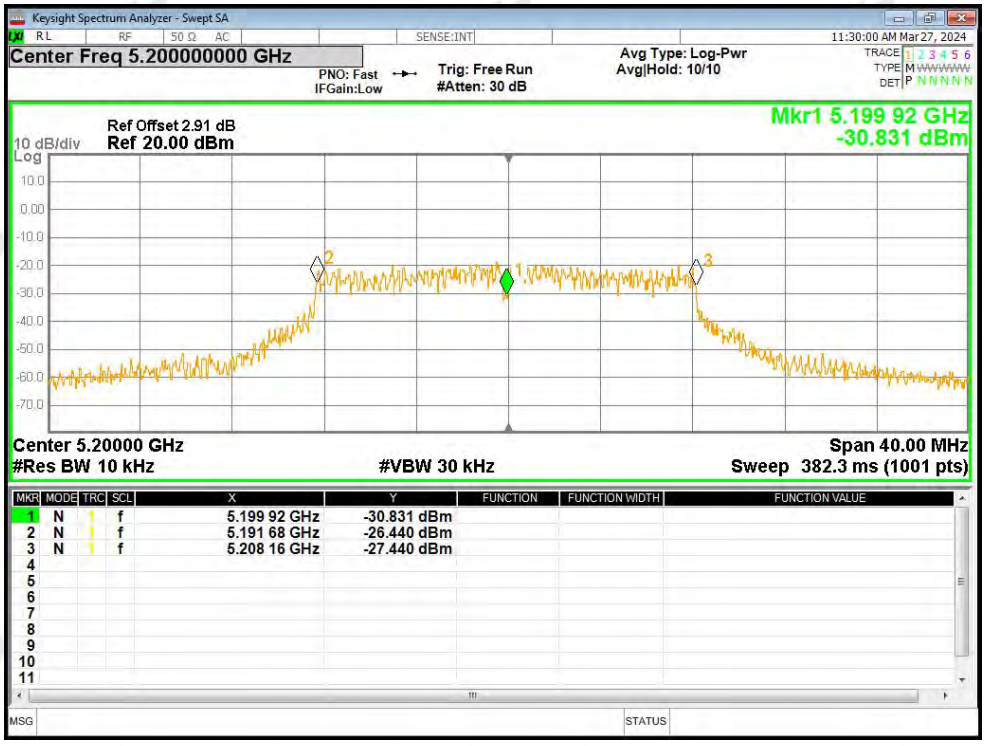
Note:Test temperature:−20°to + 70°. At room temperature, the test results are the worst, only reflecting the test results graphs at room temperature.

Test Graphs

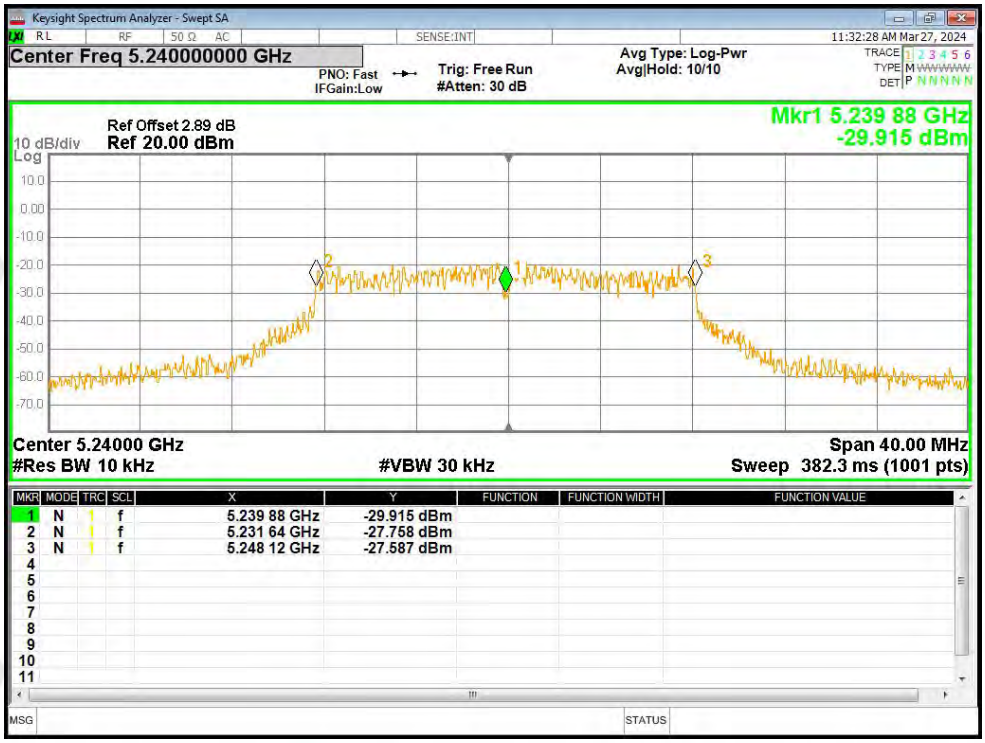
Freq. Stability NVNT a 5180MHz Ant1



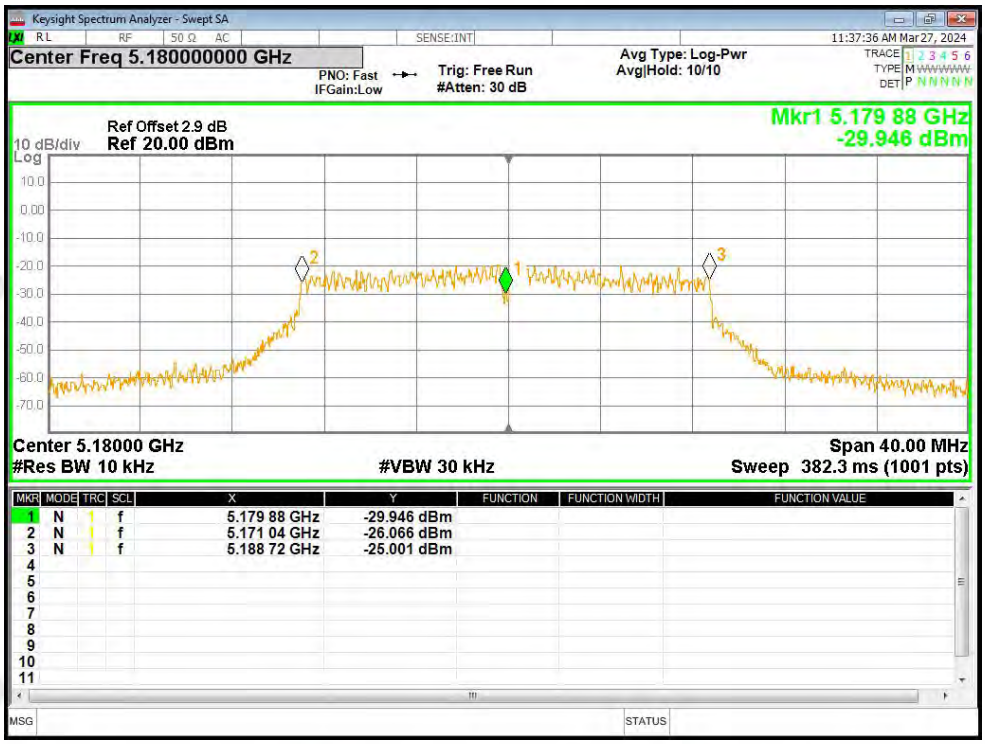
Freq. Stability NVNT a 5200MHz Ant1



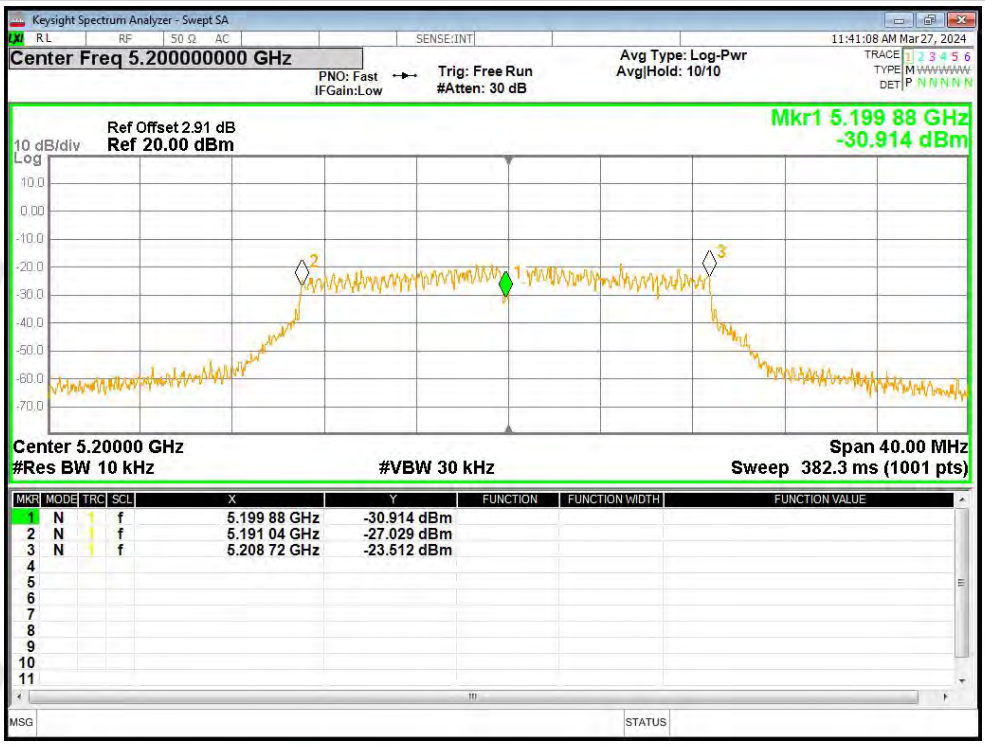
Freq. Stability NVNT a 5240MHz Ant1



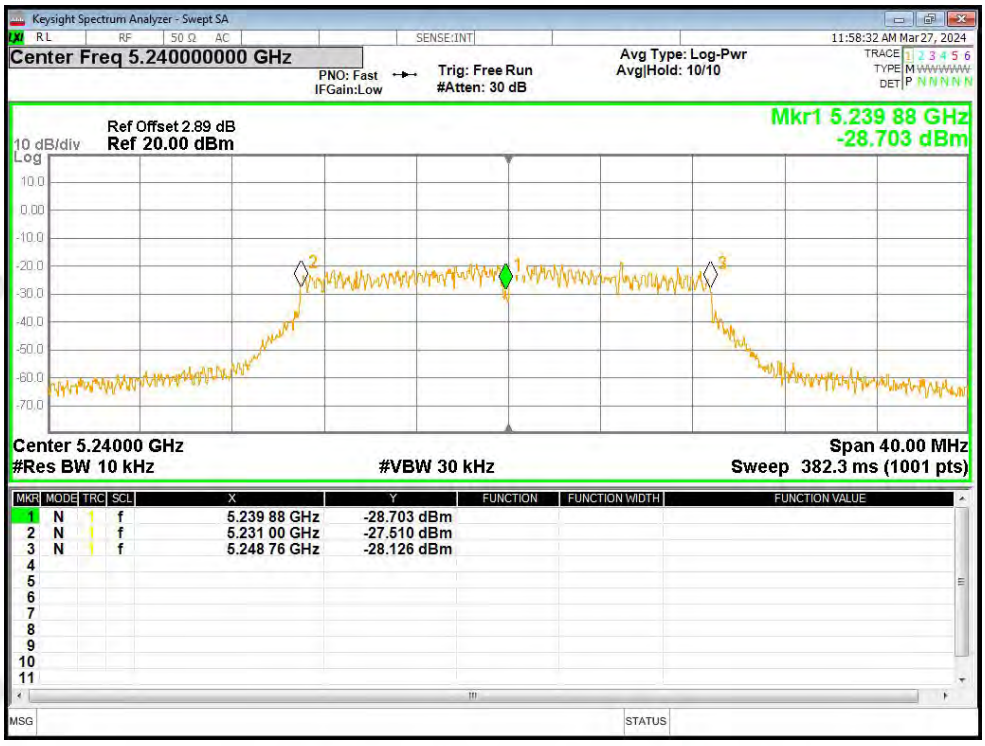
Freq. Stability NVNT n20 5180MHz Ant1



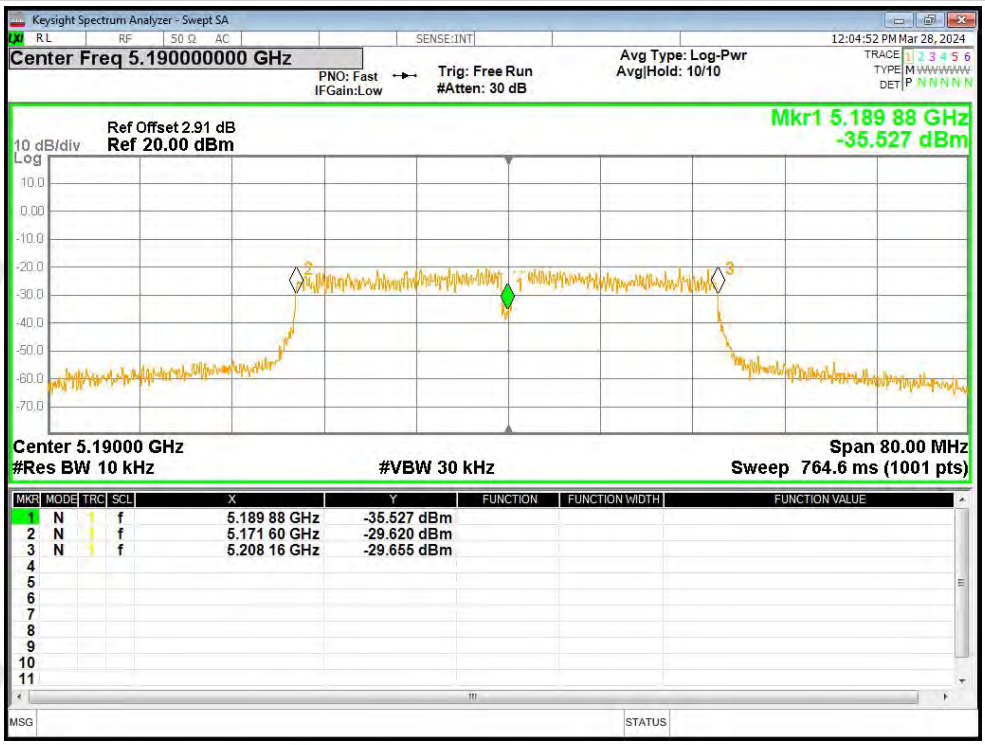
Freq. Stability NVNT n20 5200MHz Ant1



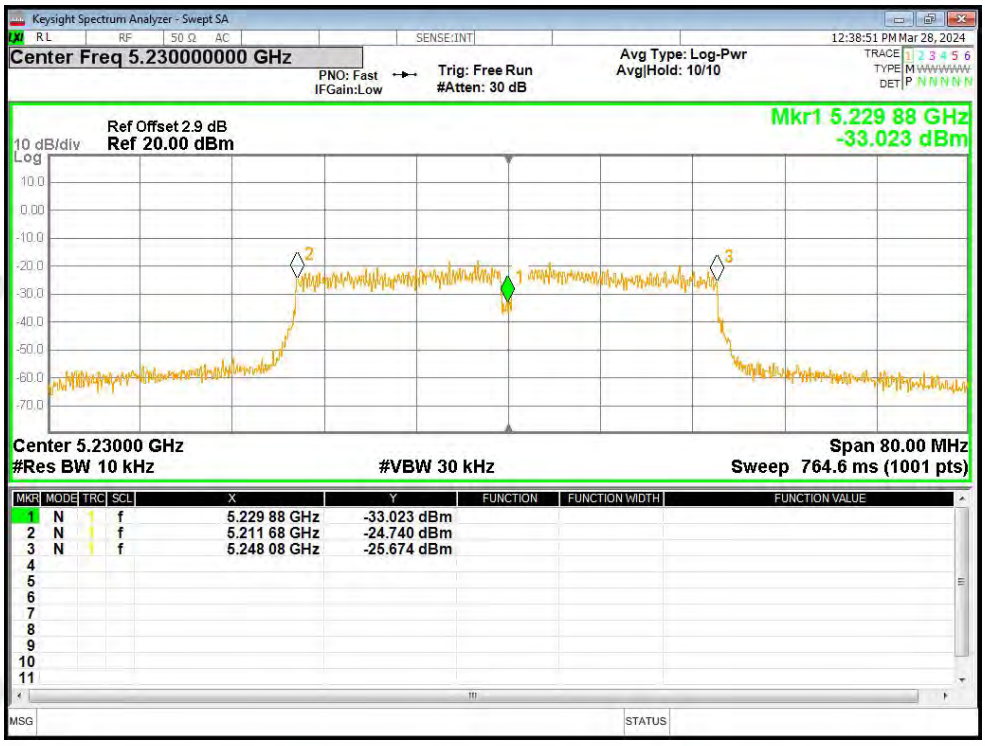
Freq. Stability NVNT n20 5240MHz Ant1



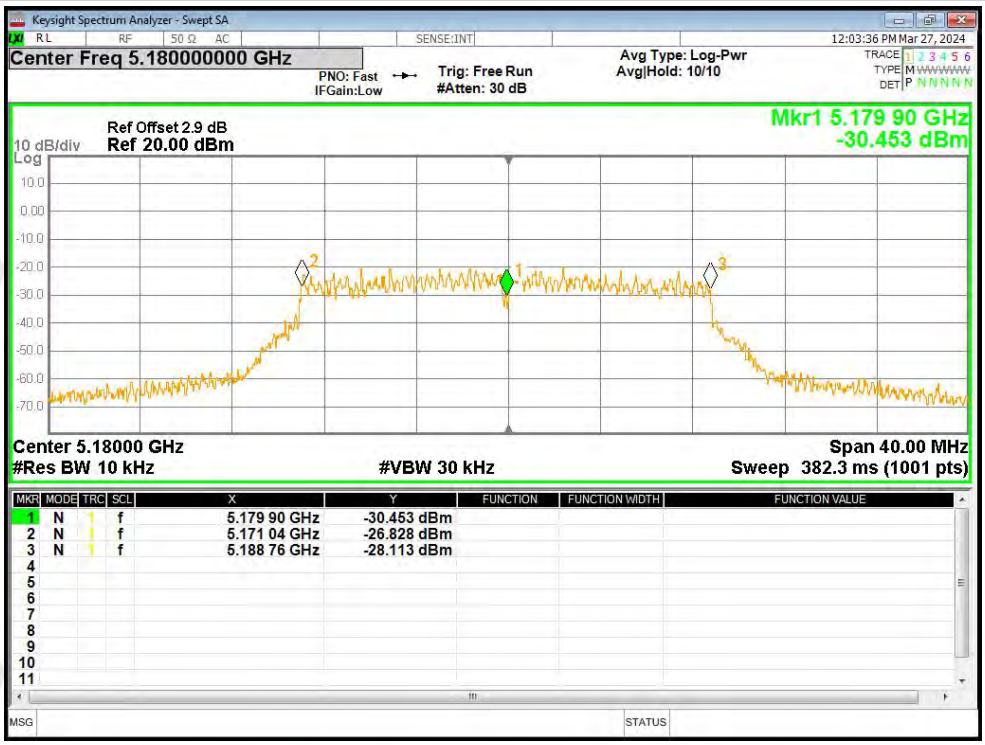
Freq. Stability NVNT n40 5190MHz Ant1



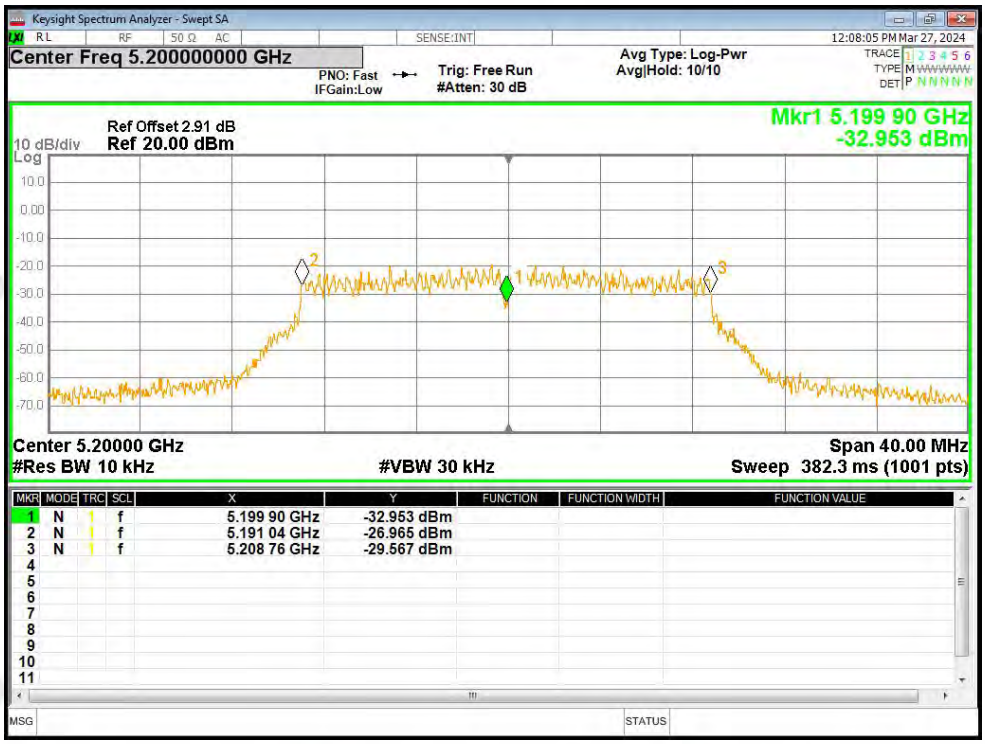
Freq. Stability NVNT n40 5230MHz Ant1



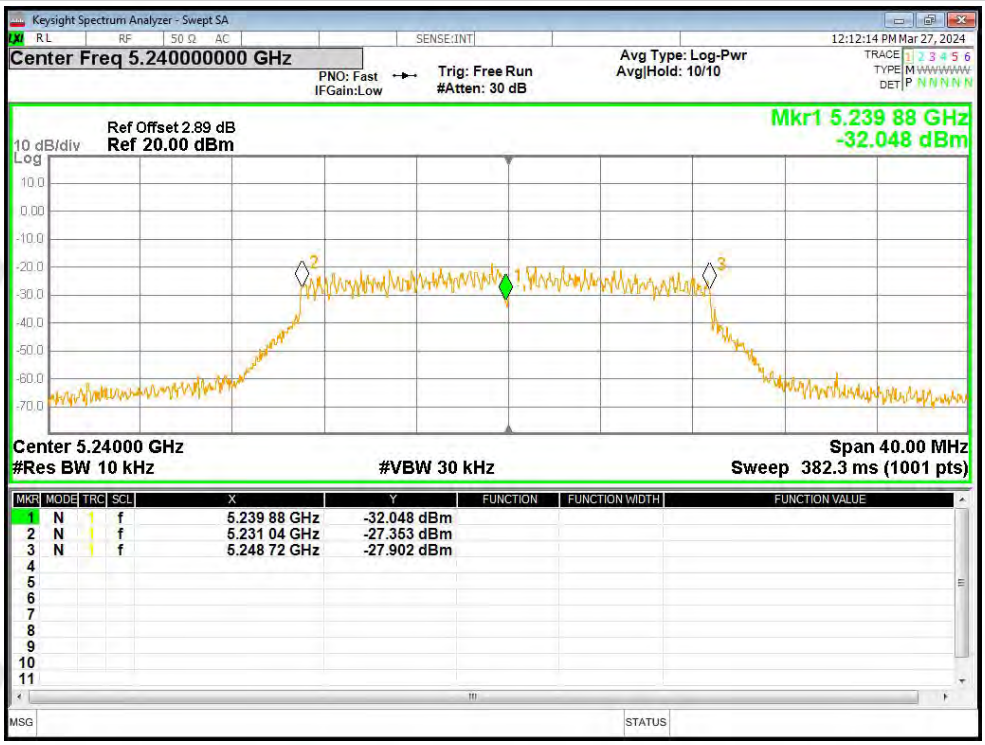
Freq. Stability NVNT ac20 5180MHz Ant1



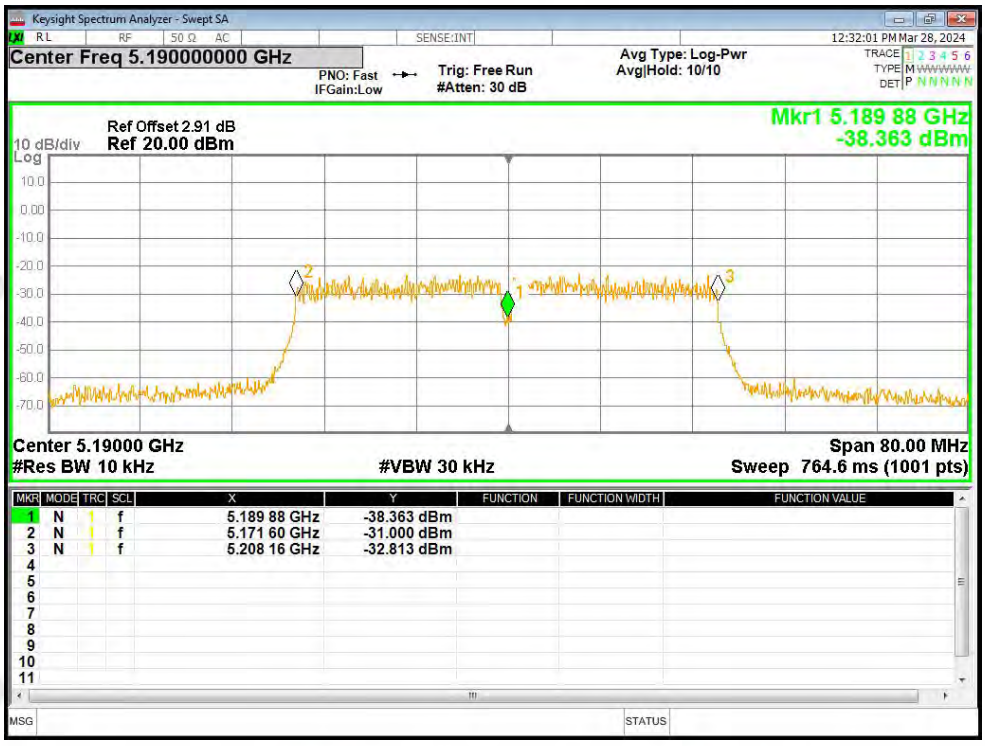
Freq. Stability NVNT ac20 5200MHz Ant1



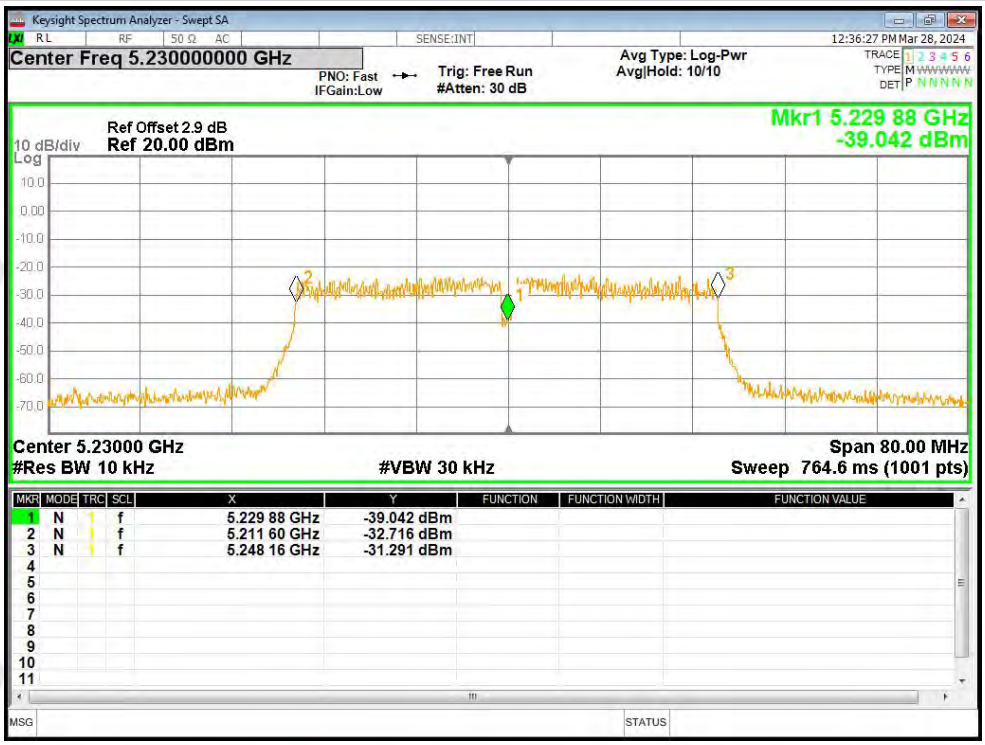
Freq. Stability NVNT ac20 5240MHz Ant1



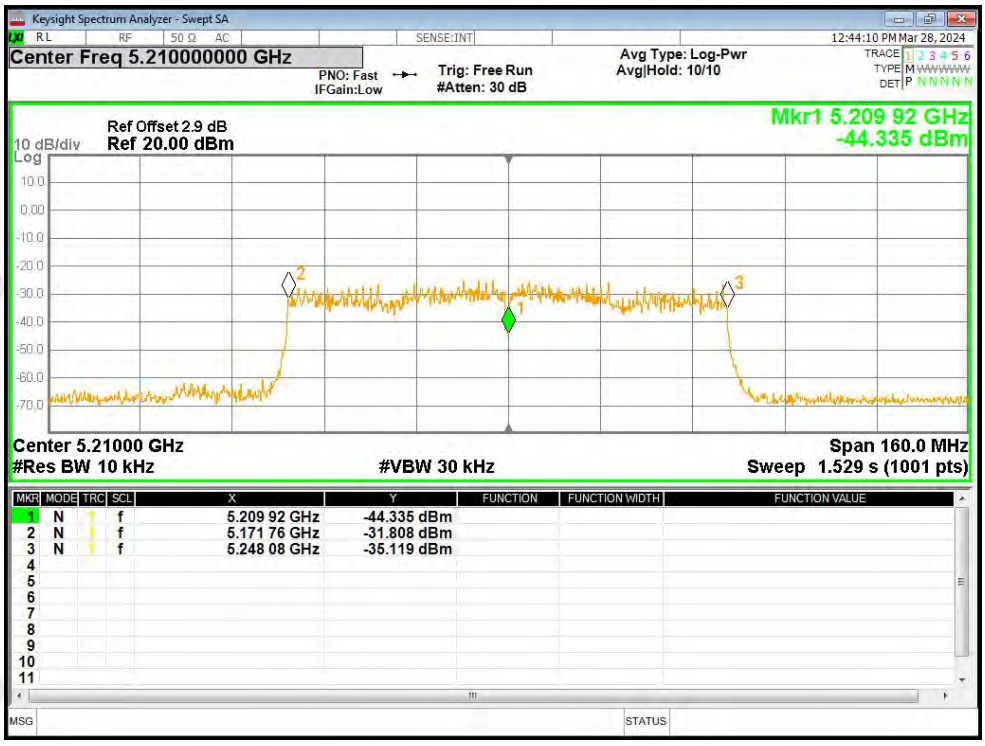
Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ac80 5210MHz Ant1

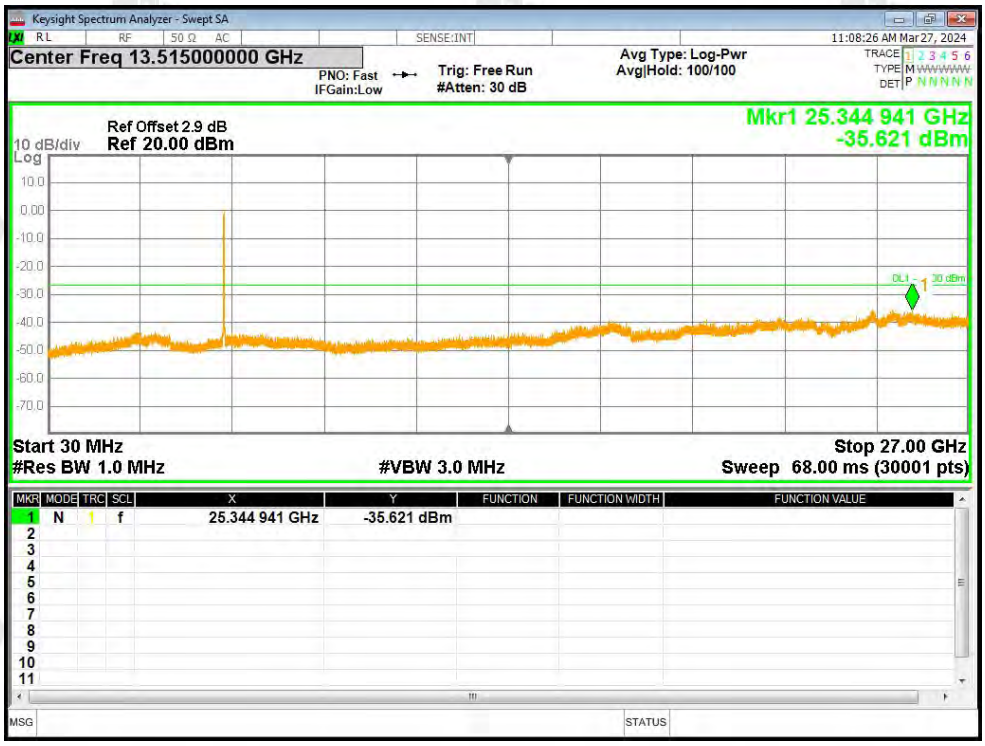


A8. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-35.62	-27	Pass
NVNT	a	5200	Ant1	-35.4	-27	Pass
NVNT	a	5240	Ant1	-34.49	-27	Pass
NVNT	n20	5180	Ant1	-35.02	-27	Pass
NVNT	n20	5200	Ant1	-35.56	-27	Pass
NVNT	n20	5240	Ant1	-35.75	-27	Pass
NVNT	n40	5190	Ant1	-35.54	-27	Pass
NVNT	n40	5230	Ant1	-35.4	-27	Pass
NVNT	ac20	5180	Ant1	-35.39	-27	Pass
NVNT	ac20	5200	Ant1	-35.42	-27	Pass
NVNT	ac20	5240	Ant1	-35.54	-27	Pass
NVNT	ac40	5190	Ant1	-34.92	-27	Pass
NVNT	ac40	5230	Ant1	-34.91	-27	Pass
NVNT	ac80	5210	Ant1	-35.69	-27	Pass

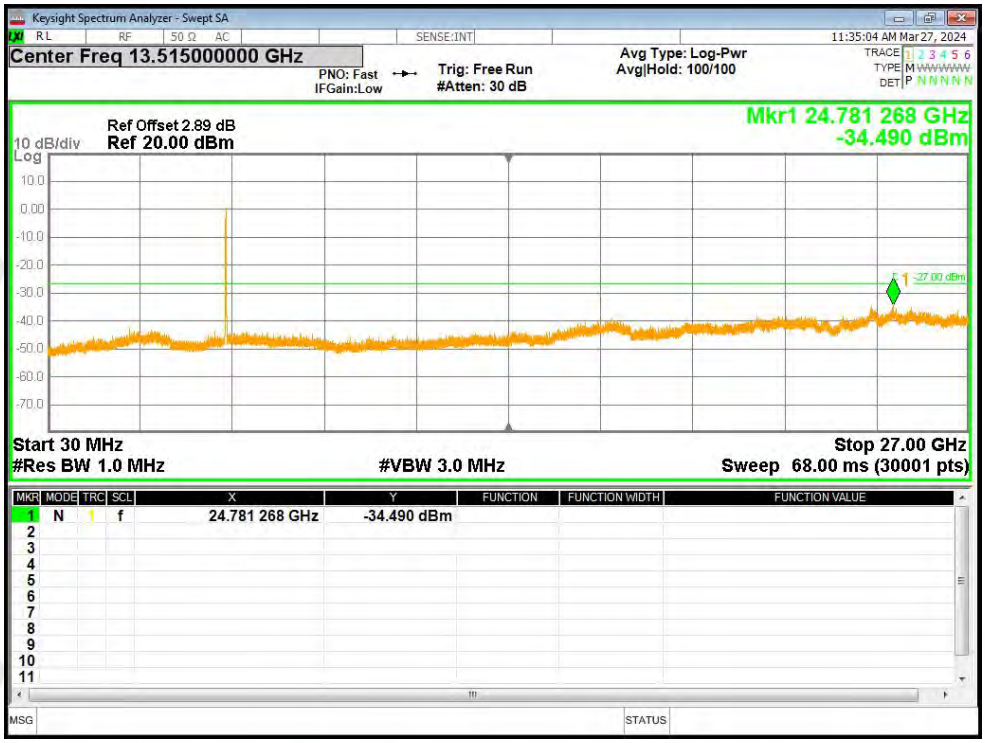
Test Graphs

Tx. Spurious NVNT a 5180MHz Ant1 Emission

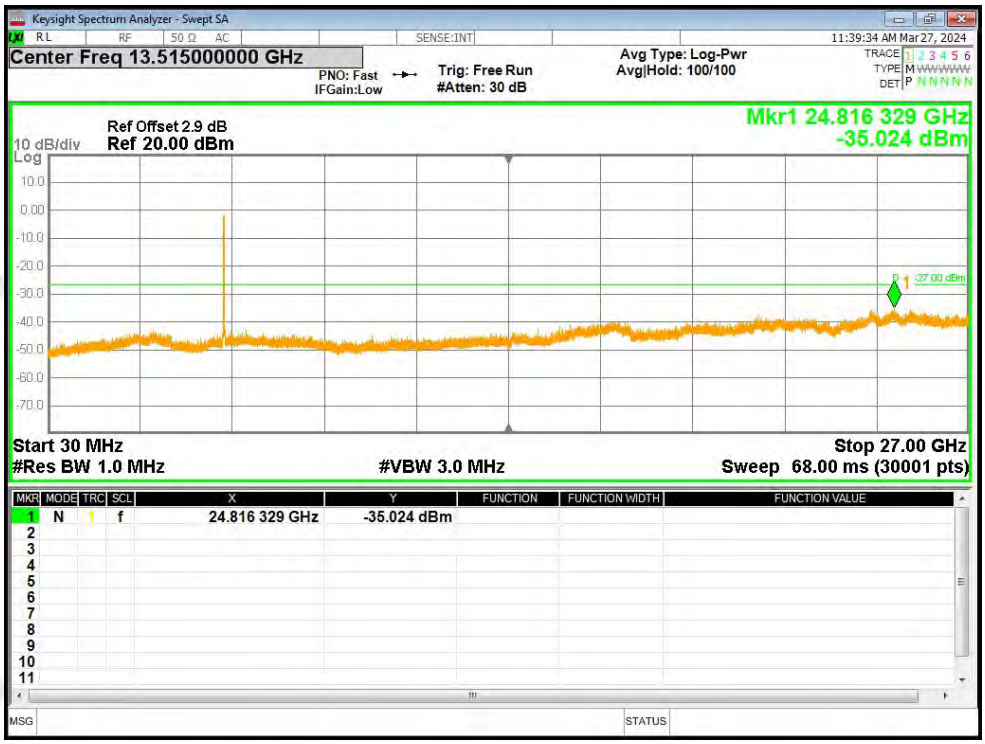


Tx. Spurious NVNT a 5200MHz Ant1 Emission

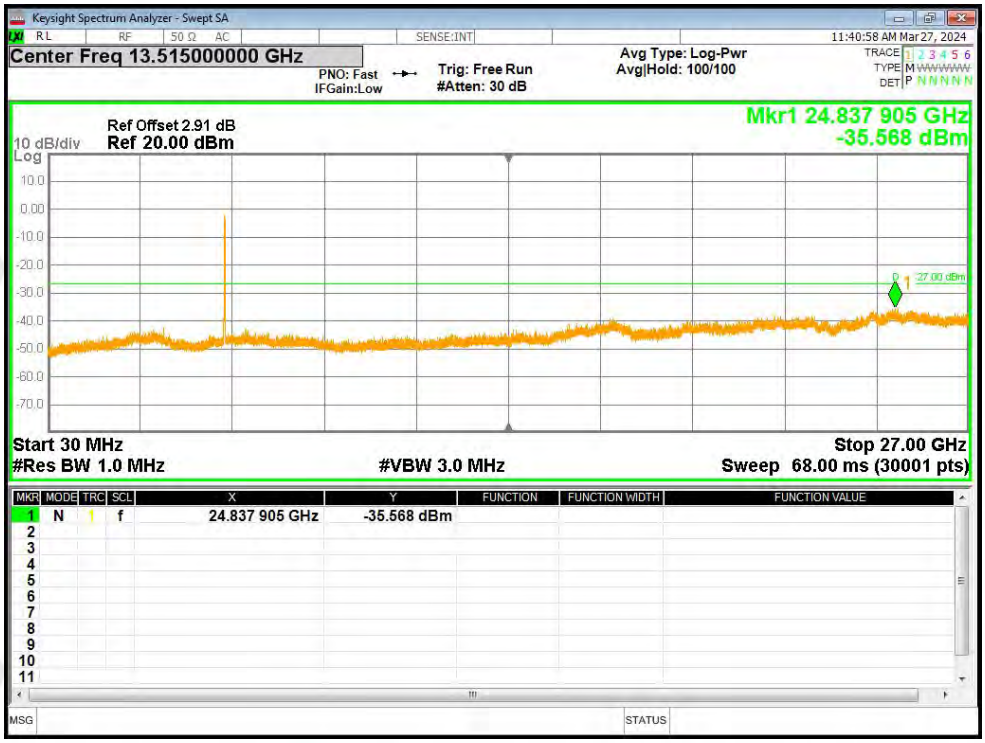
Tx. Spurious NVNT a 5240MHz Ant1 Emission



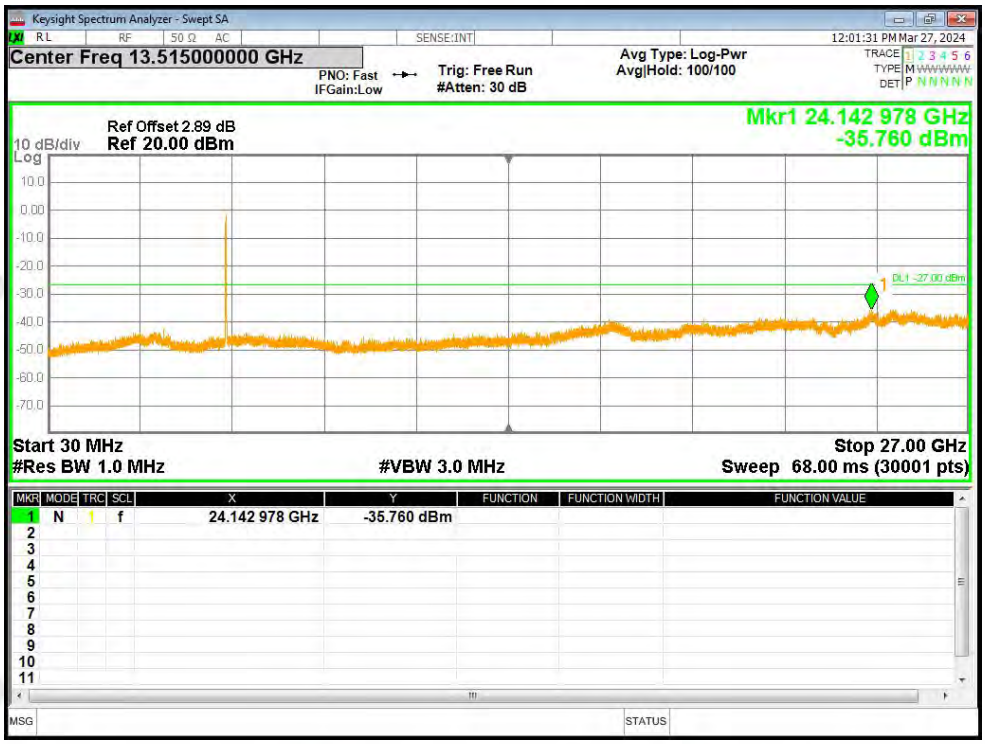
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



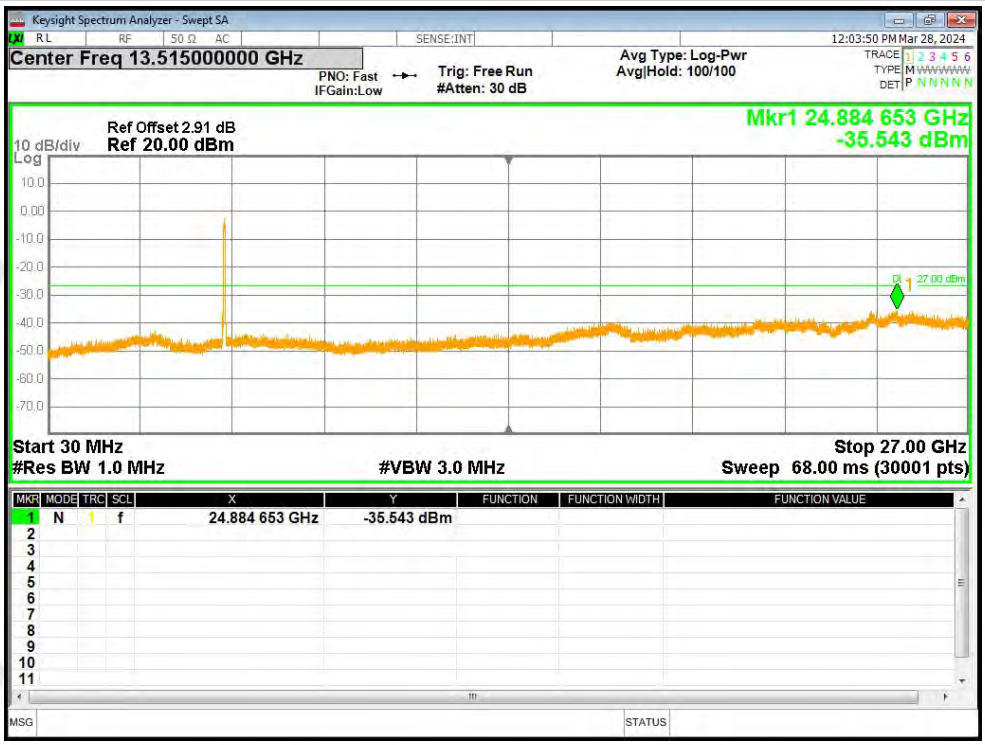
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



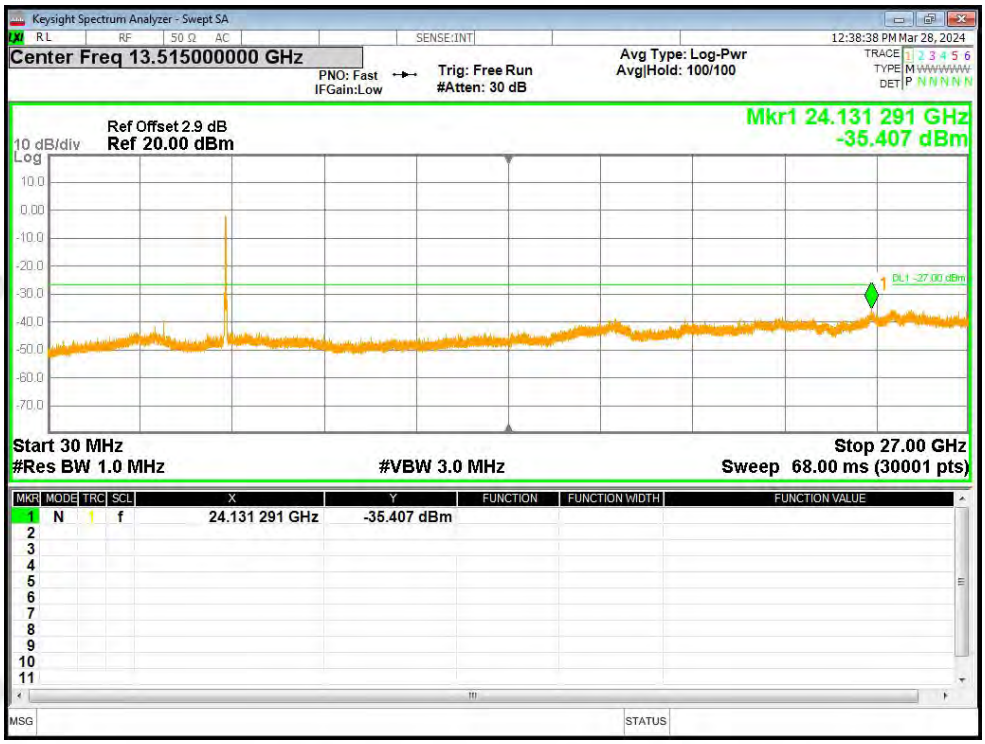
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



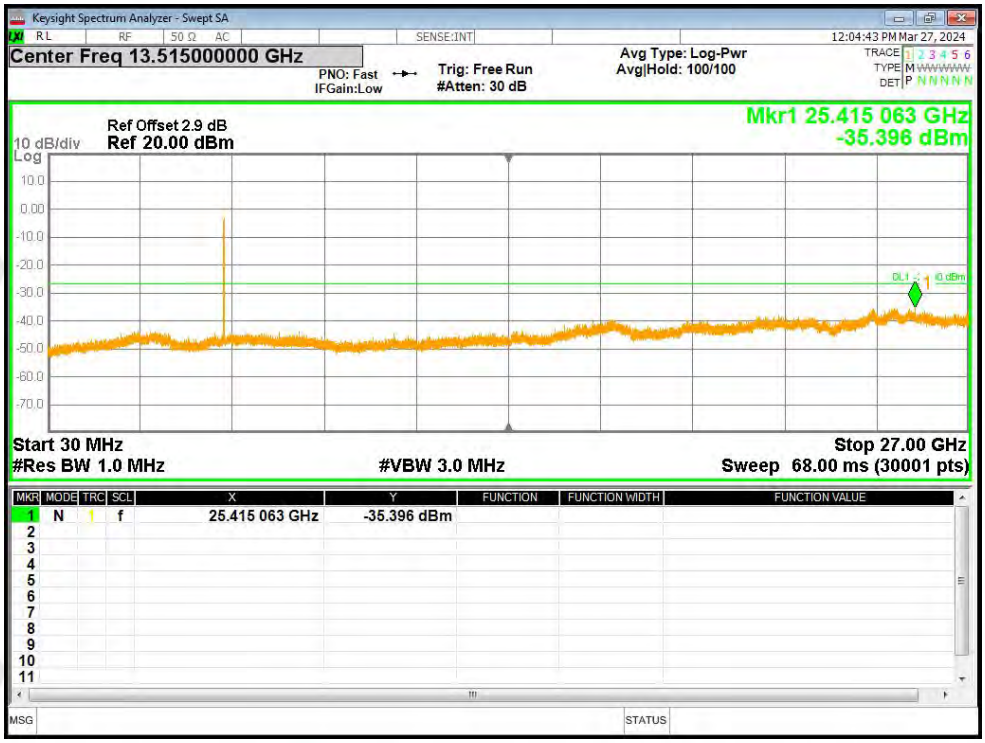
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



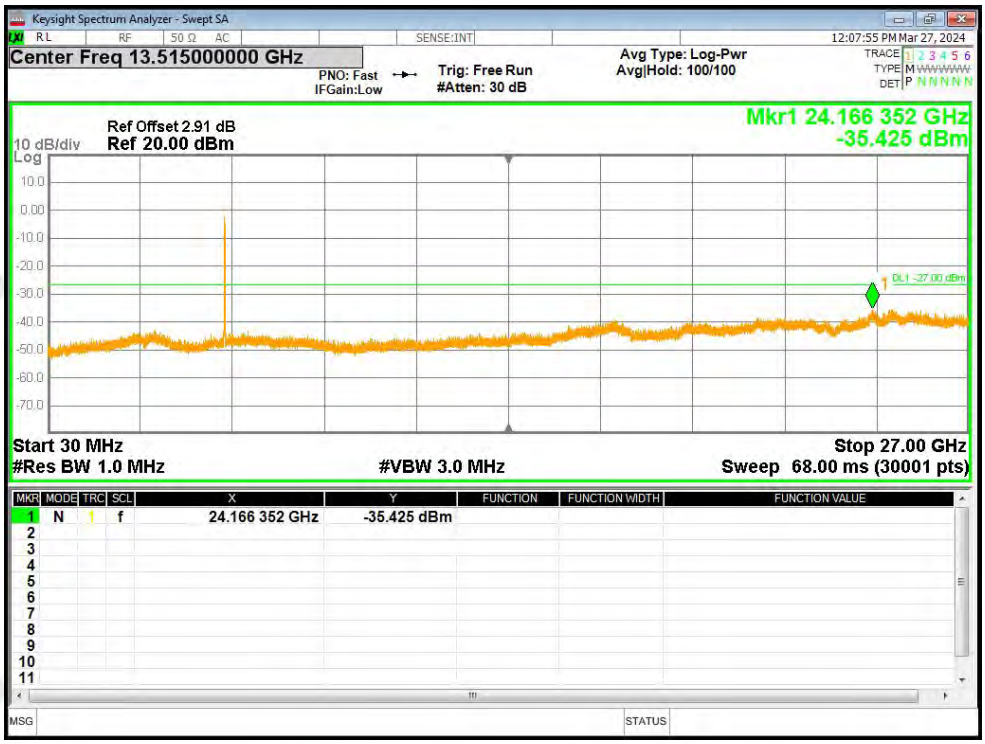
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



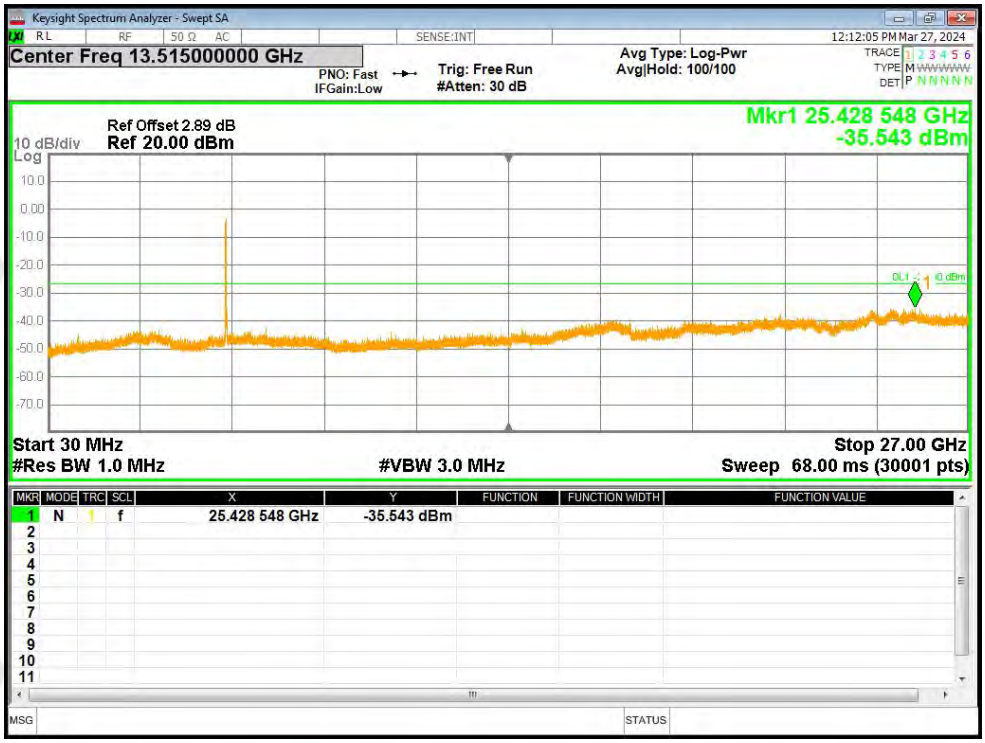
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



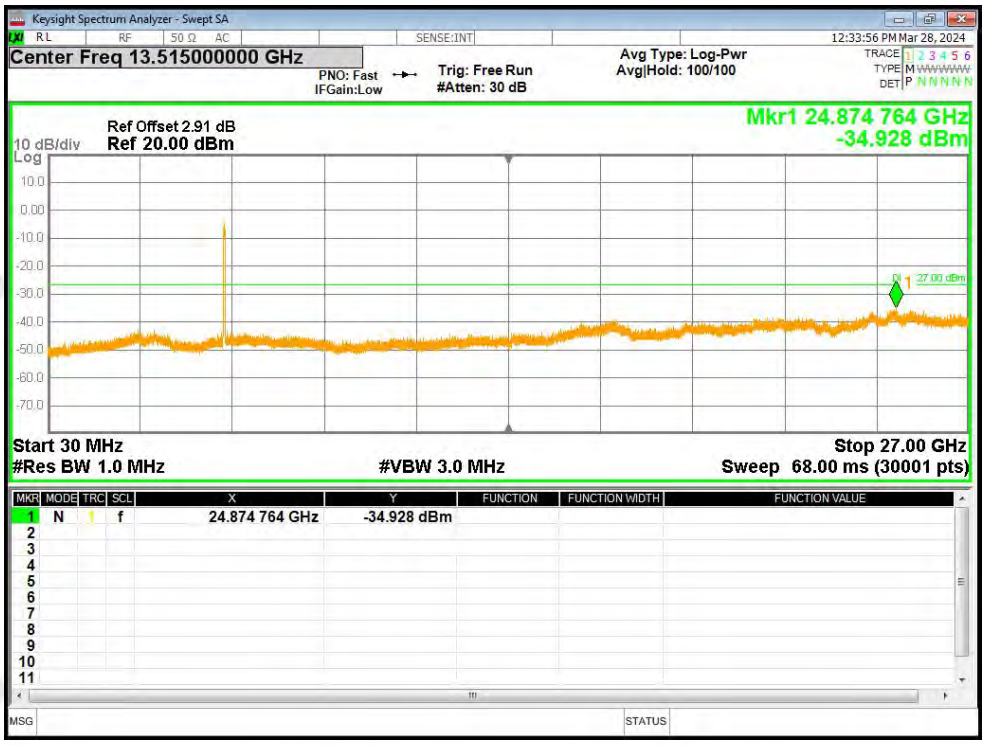
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



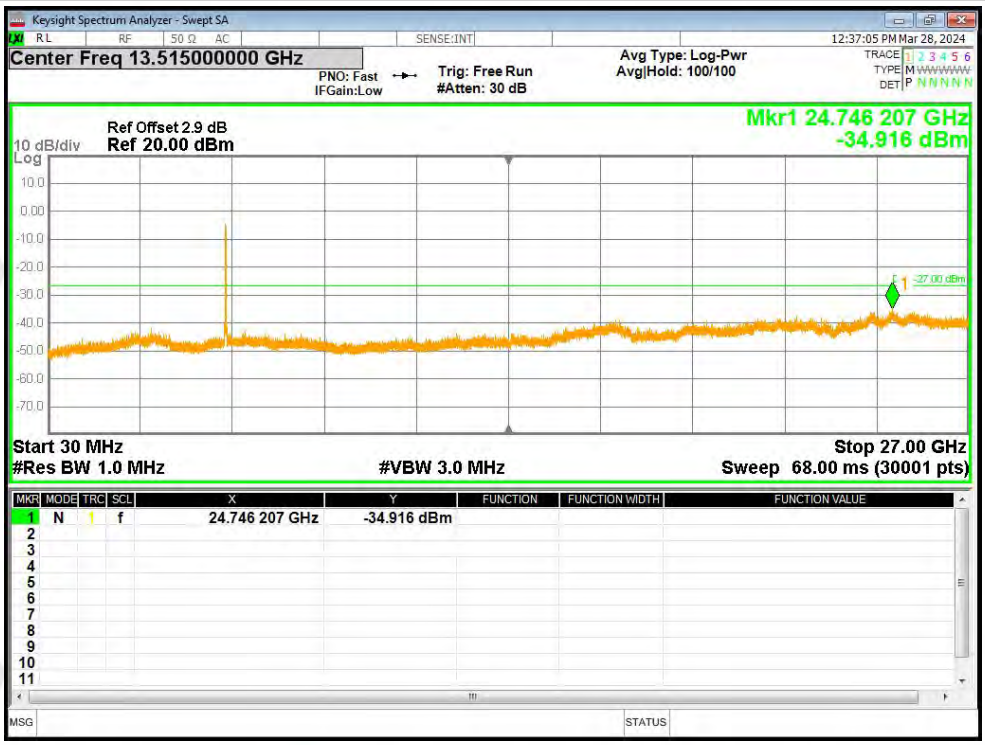
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac80 5210MHz Ant1 Emission