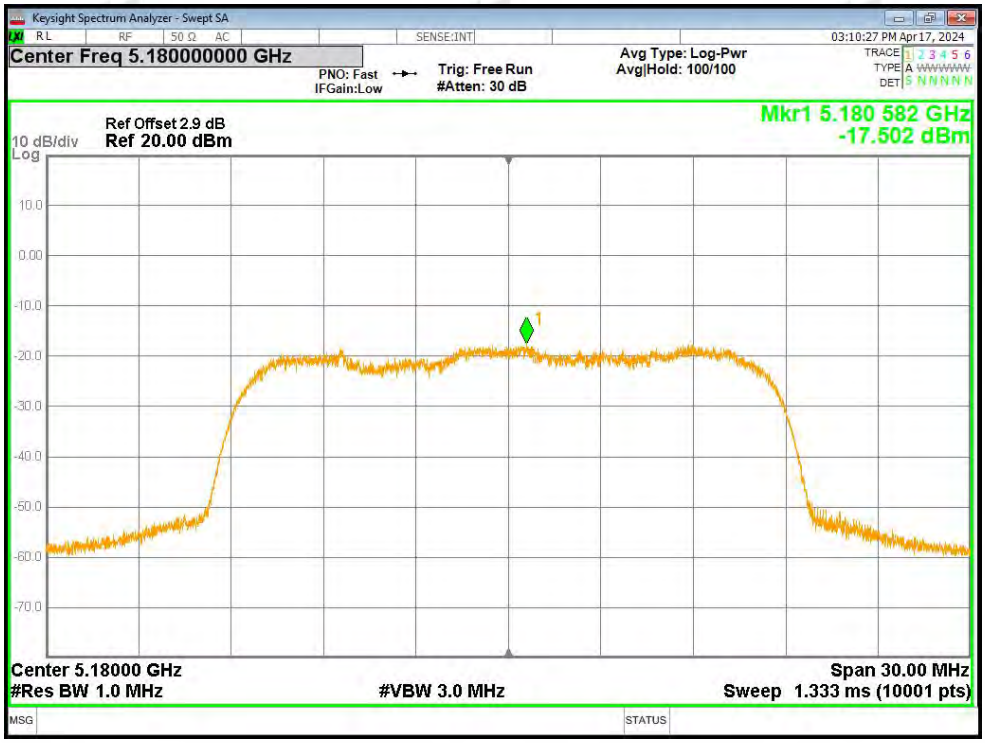
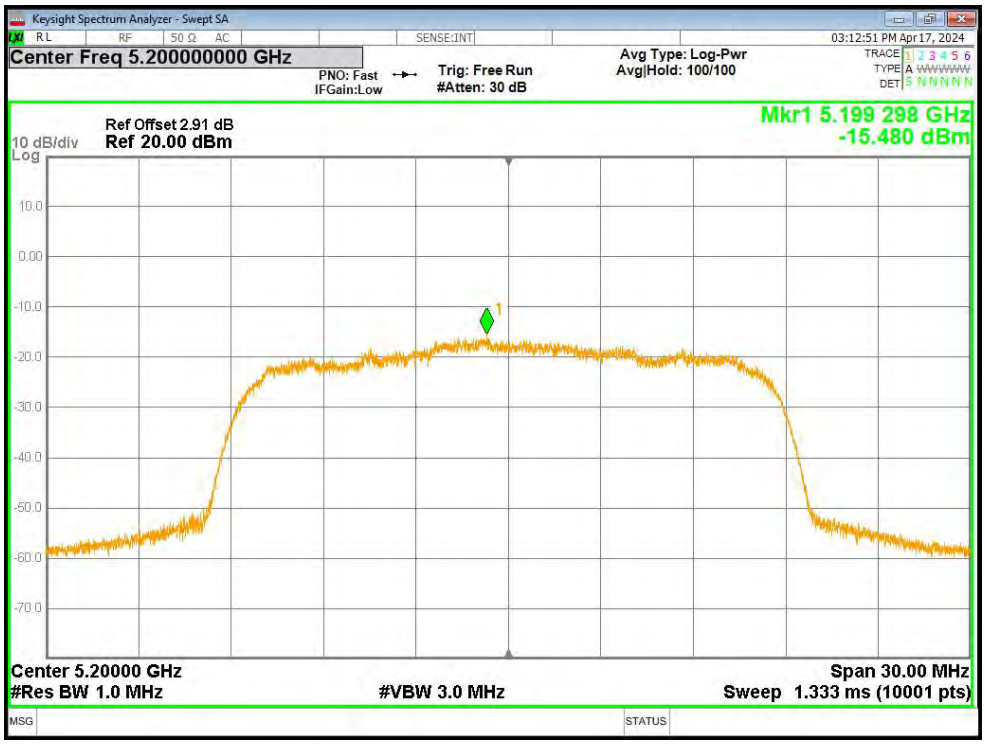
PSD NVNT ac20 5180MHz Ant1

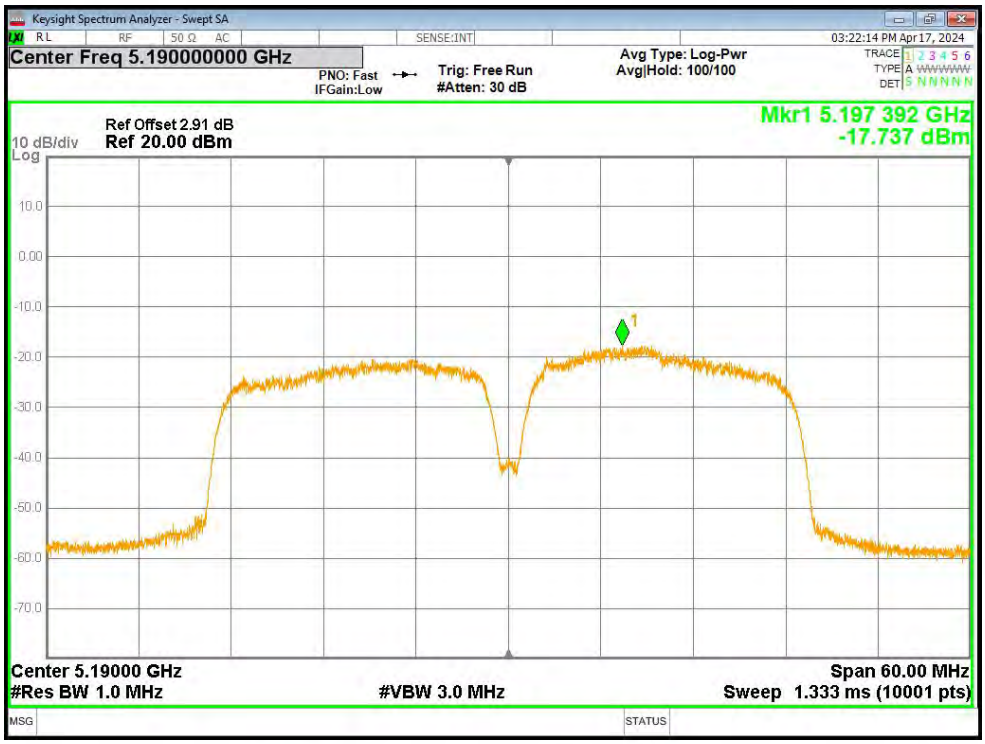


PSD NVNT ac20 5200MHz Ant1

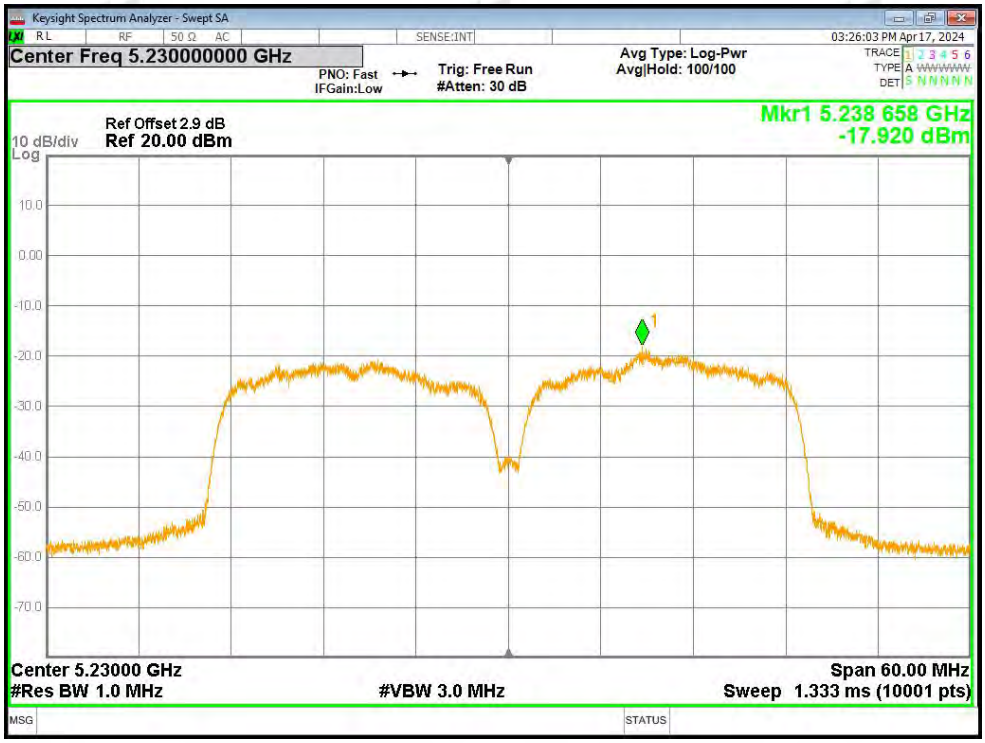


PSD NVNT ac20 5240MHz Ant1

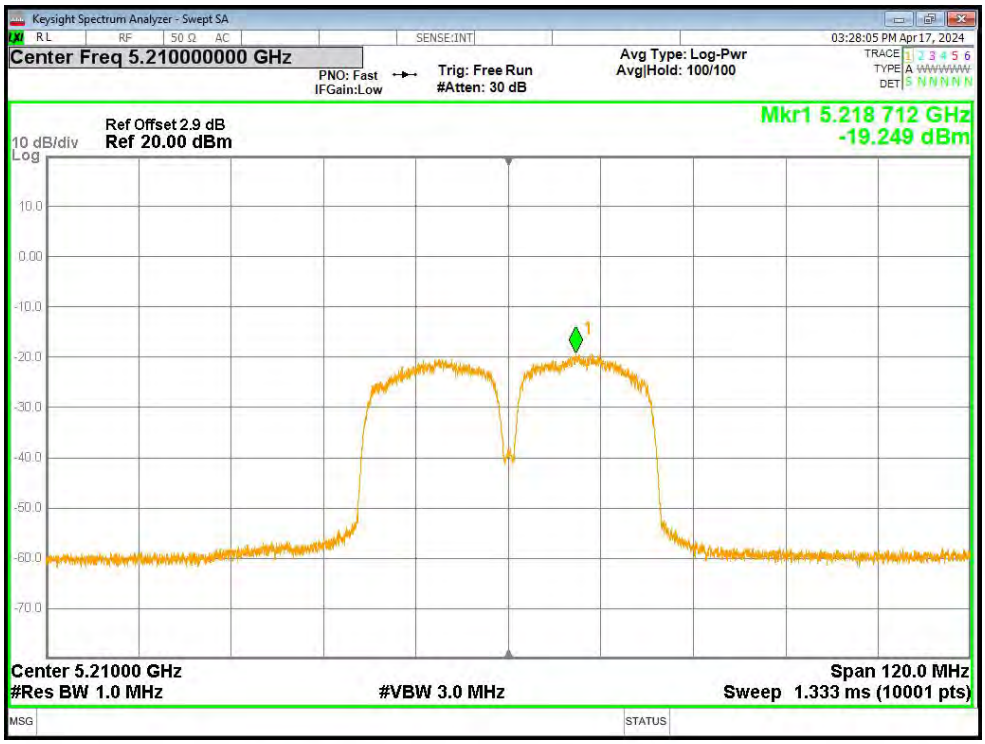
PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac80 5210MHz Ant1

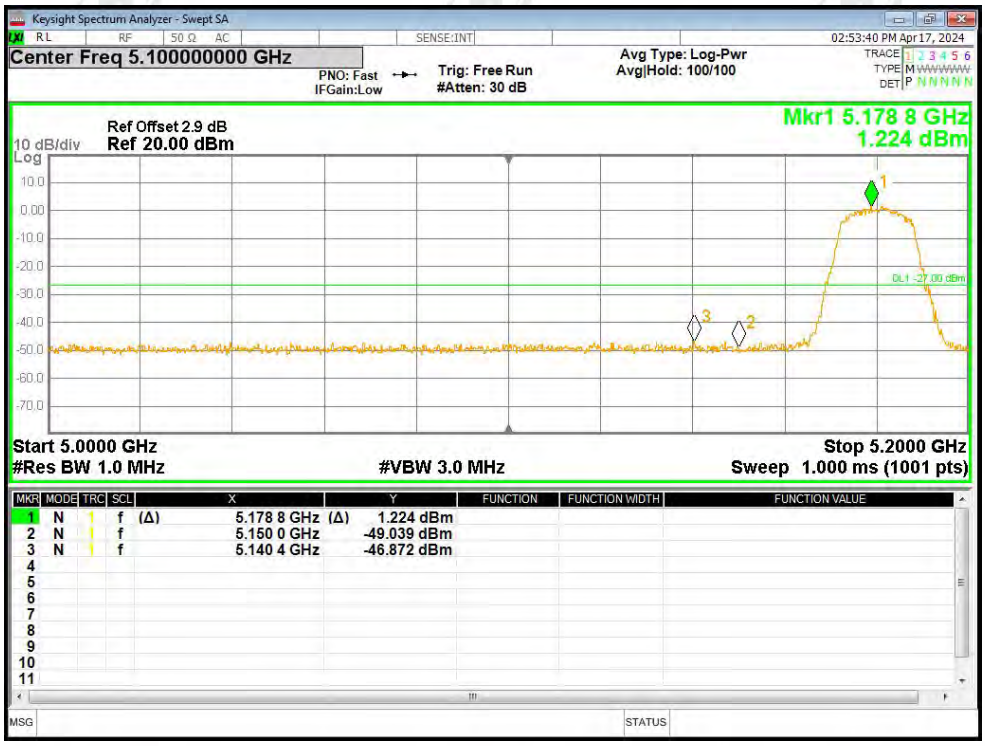


A6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-46.87	-27	Pass
NVNT	a	5240	Ant1	-45.58	-27	Pass
NVNT	n20	5180	Ant1	-46.52	-27	Pass
NVNT	n20	5240	Ant1	-45.76	-27	Pass
NVNT	n40	5190	Ant1	-47.33	-27	Pass
NVNT	n40	5230	Ant1	-46.27	-27	Pass
NVNT	ac20	5180	Ant1	-47.26	-27	Pass
NVNT	ac20	5240	Ant1	-46.43	-27	Pass
NVNT	ac40	5190	Ant1	-46.69	-27	Pass
NVNT	ac40	5230	Ant1	-46.32	-27	Pass

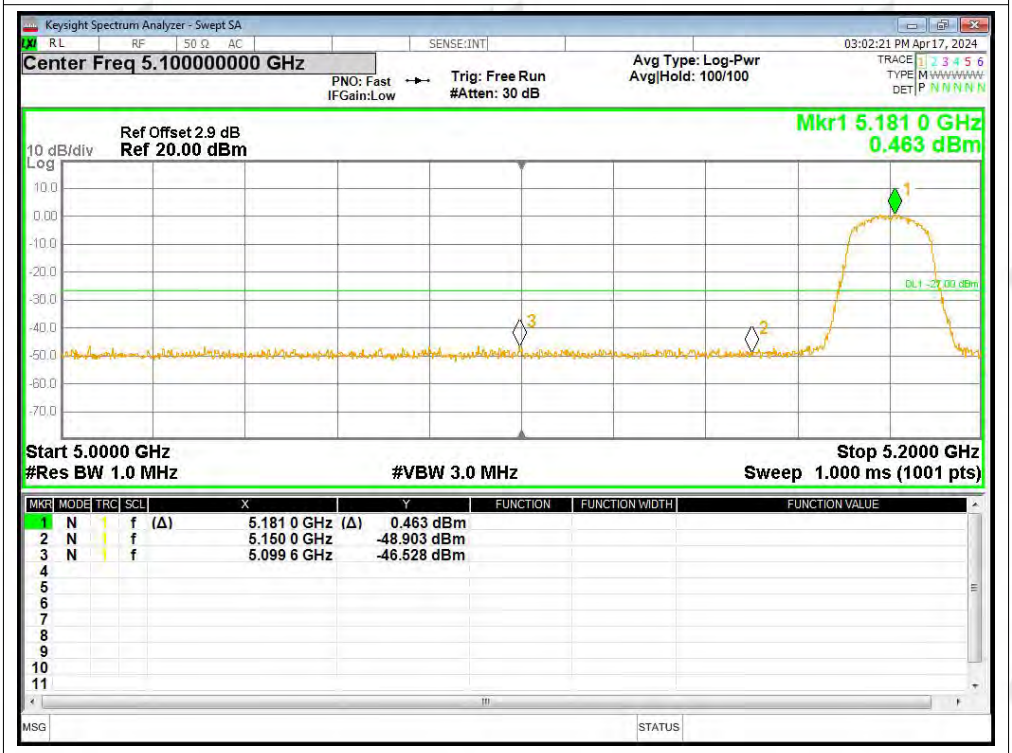
Test Graphs

Band Edge NVNT a 5180MHz Low Ant1



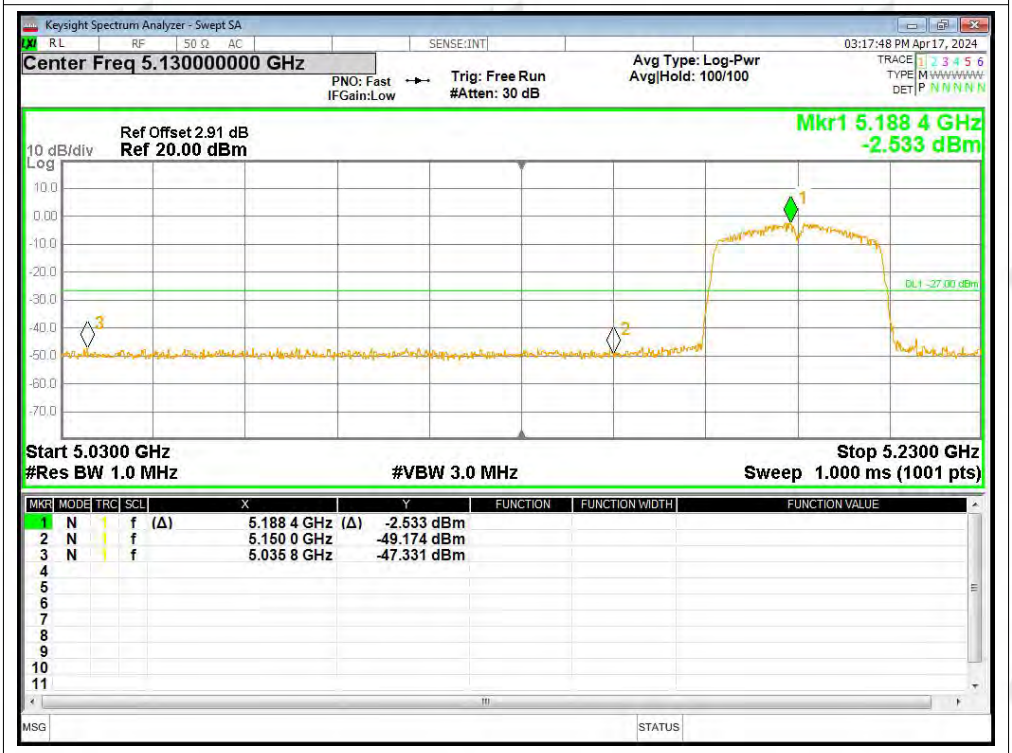
Band Edge NVNT a 5240MHz High Ant1

Band Edge NVNT n20 5180MHz Low Ant1

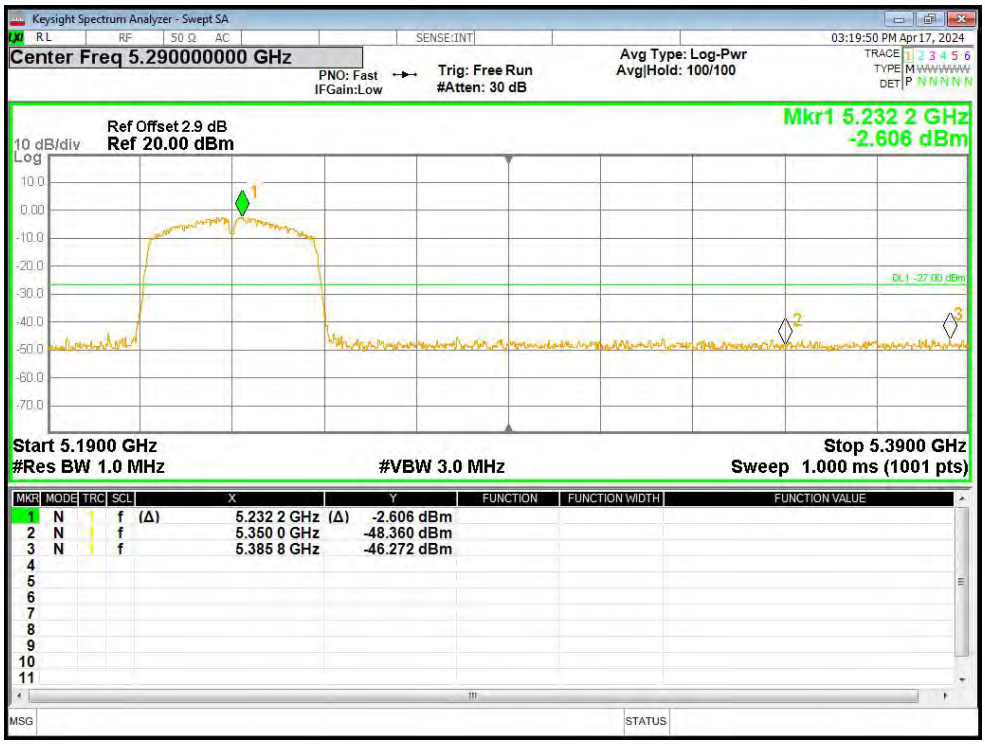


Band Edge NVNT n20 5240MHz High Ant1

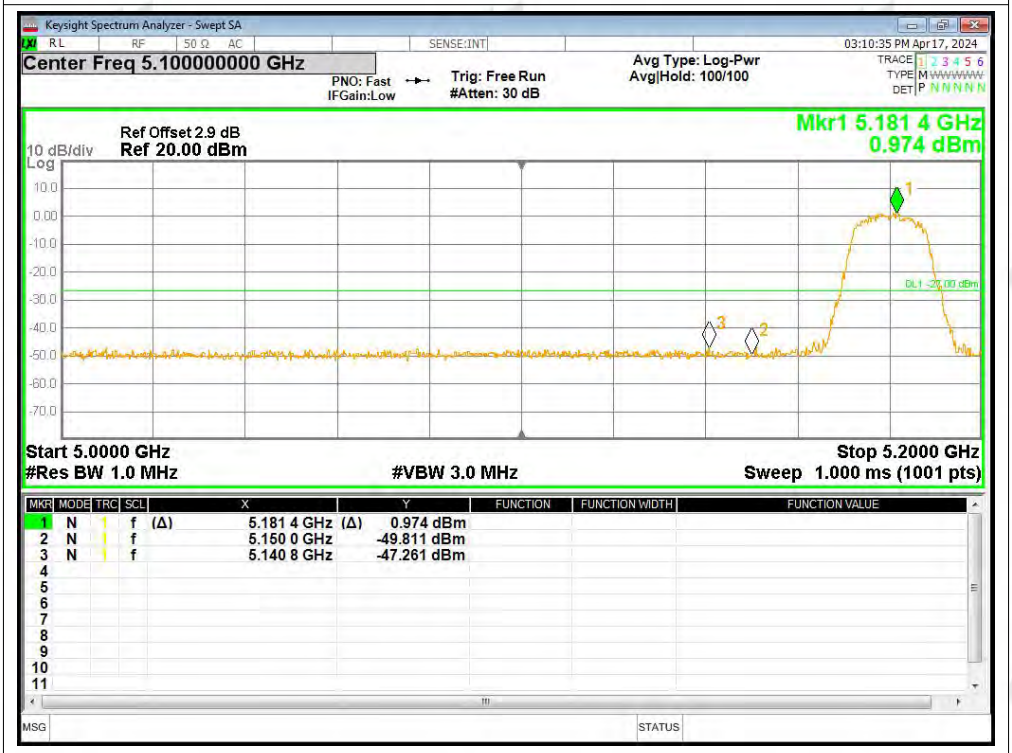
Band Edge NVNT n40 5190MHz Low Ant1



Band Edge NVNT n40 5230MHz High Ant1

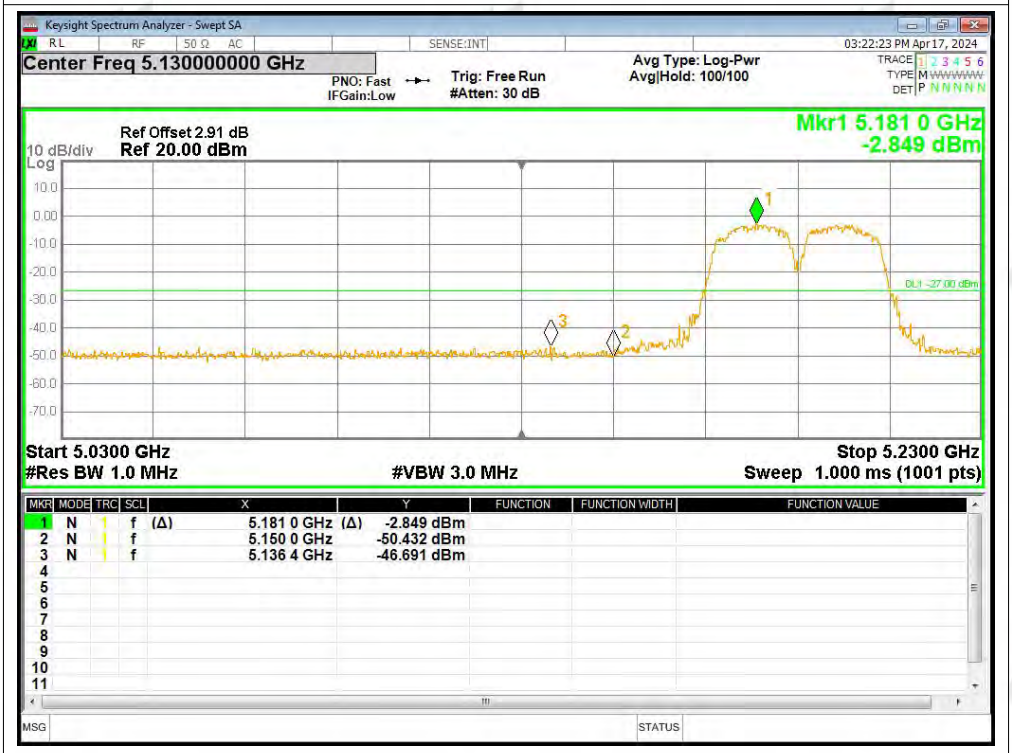


Band Edge NVNT ac20 5180MHz Low Ant1

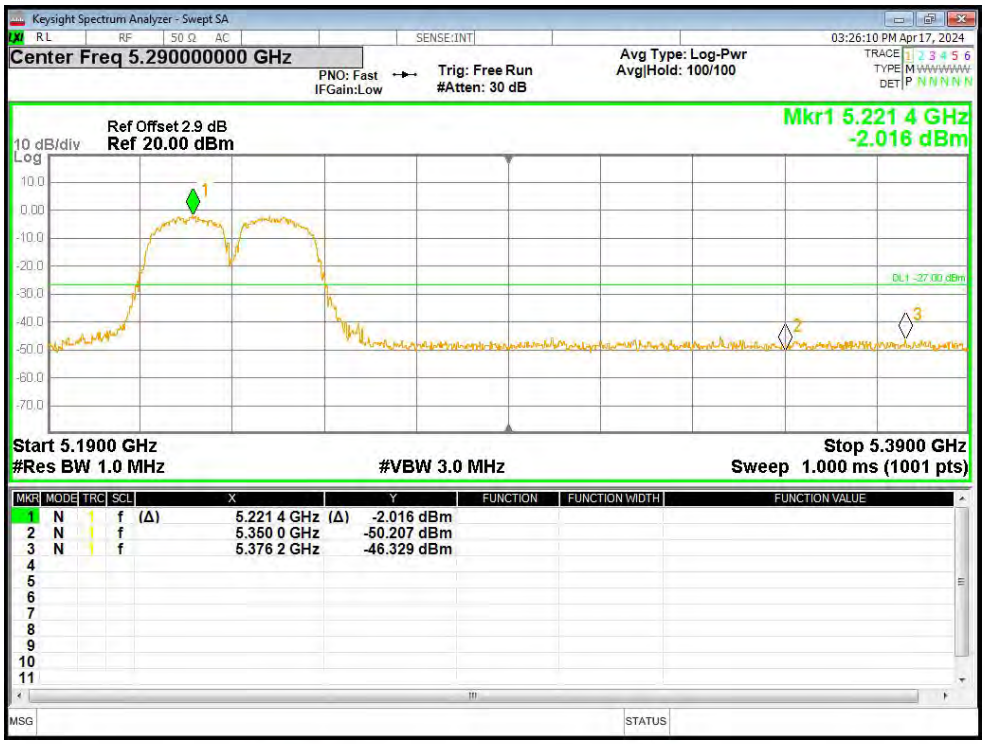


Band Edge NVNT ac20 5240MHz High Ant1

Band Edge NVNT ac40 5190MHz Low Ant1



Band Edge NVNT ac40 5230MHz High Ant1



A7. Frequency Stability

Voltage							
TestMode	Channel	Voltage [Vdc]	Temperature (℃)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5180	NV	NT	0	0	Within 5150-5250MHz	Pass
		LV	NT	0	0		
		HV	NT	0	0		
	5200	NV	NT	0	0		
		LV	NT	0	0		
		HV	NT	0	0		
	5240	NV	NT	20000	3.82		
		LV	NT	20000	3.82		
		HV	NT	20000	3.82		
n20	5180	NV	NT	-20000	-3.86		
		LV	NT	-20000	-3.86		
		HV	NT	-20000	-3.86		
	5200	NV	NT	60000	11.54		
		LV	NT	60000	11.54		
		HV	NT	60000	11.54		
	5240	NV	NT	-20000	-3.82		
		LV	NT	-20000	-3.82		
		HV	NT	-20000	-3.82		
ac20	5180	NV	NT	0	0		
		LV	NT	0	0		
		HV	NT	0	0		
	5200	NV	NT	0	0		
		LV	NT	0	0		
		HV	NT	0	0		
	5240	NV	NT	20000	3.82		
		LV	NT	20000	3.82		
		HV	NT	20000	3.82		

n40	5200	NV	NT	0	0	Within 5150-5250MHz	Pass
		LV	NT	0	0		
		HV	NT	0	0		
	5240	NV	NT	40000	7.65		
		LV	NT	40000	7.65		
		HV	NT	40000	7.65		
ac80	5210	NV	NT	-80000	-15.36		
		LV	NT	-80000	-15.36		
		HV	NT	-80000	-15.36		

Temperature							
TestMode	Channel	Voltage [Vdc]	Temperature (℃)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5180	NV	-20	0	0	Within 5150-5250MHz	Pass
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	40	0	0		
		NV	60	0	0		
		NV	70	0	0		
	5200	NV	-20	0	0		
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	40	0	0		
		NV	60	0	0		
		NV	70	0	0		
	5240	NV	-20	20000	3.82		
		NV	-10	20000	3.82		
		NV	0	20000	3.82		
		NV	20	20000	3.82		
		NV	40	20000	3.82		
		NV	60	20000	3.82		
		NV	70	20000	3.82		

N20	5180	NV	-20	-20000	-3.86	Within 5150-5250MHz	Pass
		NV	-10	-20000	-3.86		
		NV	0	-20000	-3.86		
		NV	20	-20000	-3.86		
		NV	40	-20000	-3.86		
		NV	60	-20000	-3.86		
		NV	70	-20000	-3.86		
	5200	NV	-20	60000	11.54		
		NV	-10	60000	11.54		
		NV	0	60000	11.54		
		NV	20	60000	11.54		
		NV	40	60000	11.54		
		NV	60	60000	11.54		
		NV	70	60000	11.54		
	5240	NV	-20	-20000	-3.82		
		NV	-10	-20000	-3.82		
		NV	0	-20000	-3.82		
		NV	20	-20000	-3.82		
		NV	40	-20000	-3.82		
		NV	60	-20000	-3.82		
		NV	70	-20000	-3.82		
ac20	5180	NV	-20	0	0		
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	40	0	0		
		NV	60	0	0		
		NV	70	0	0		
	5200	NV	-20	0	0		
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	40	0	0		
		NV	60	0	0		
		NV	70	0	0		

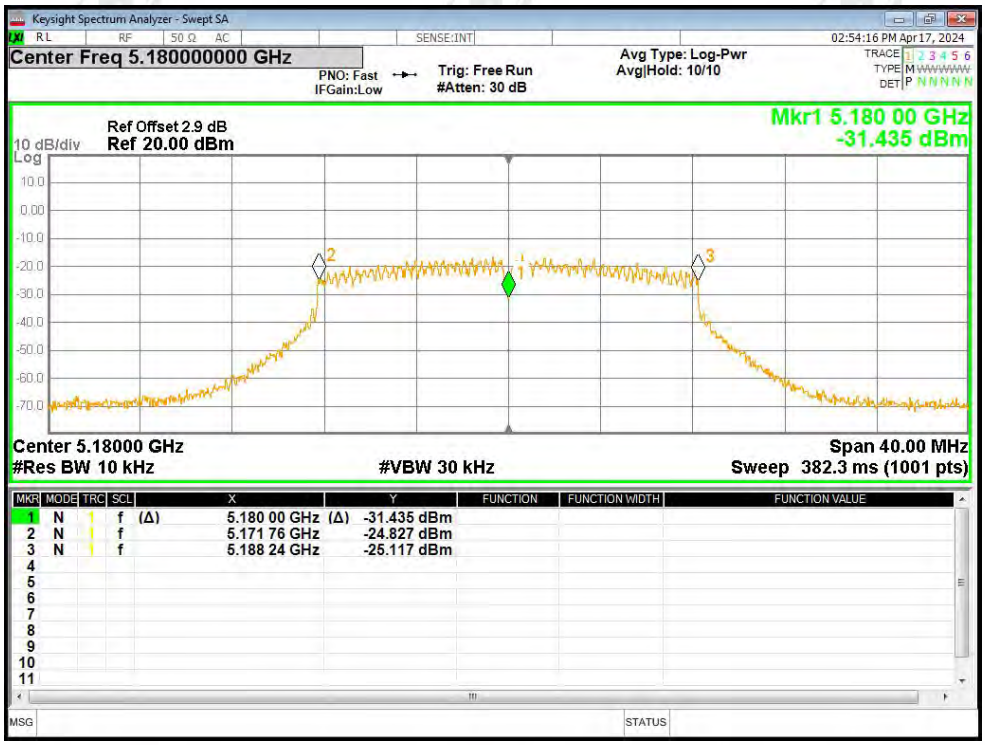
ac20	5240	NV	-20	20000	3.82	Within 5150-5250MHz	Pass
		NV	-10	20000	3.82		
		NV	0	20000	3.82		
		NV	20	20000	3.82		
		NV	40	20000	3.82		
		NV	60	20000	3.82		
		NV	70	20000	3.82		
N40	5200	NV	-20	40000	7.71		
		NV	-10	40000	7.71		
		NV	0	40000	7.71		
		NV	20	40000	7.71		
		NV	40	40000	7.71		
		NV	60	40000	7.71		
		NV	70	40000	7.71		
	5240	NV	-20	-120000	-22.94		
		NV	-10	-120000	-22.94		
		NV	0	-120000	-22.94		
		NV	20	-120000	-22.94		
		NV	40	-120000	-22.94		
		NV	60	-120000	-22.94		
		NV	70	-120000	-22.94		
ac40	5200	NV	-20	0	0		
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	40	0	0		
		NV	60	0	0		
		NV	70	0	0		
	5240	NV	-20	40000	7.65		
		NV	-10	40000	7.65		
		NV	0	40000	7.65		
		NV	20	40000	7.65		
		NV	40	40000	7.65		
		NV	60	40000	7.65		
		NV	70	40000	7.65		

ac80	5210	NV	-20	-80000	-15.36	Within 5150-5250MHz	Pass
		NV	-10	-80000	-15.36		
		NV	0	-80000	-15.36		
		NV	20	-80000	-15.36		
		NV	40	-80000	-15.36		
		NV	60	-80000	-15.36		
		NV	70	-80000	-15.36		

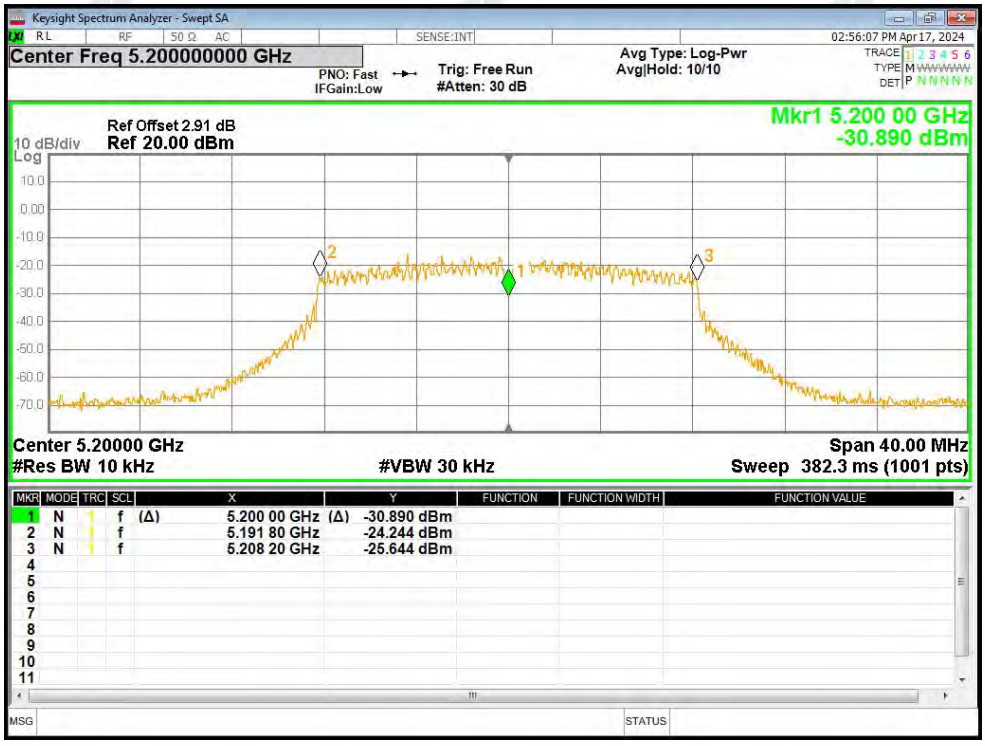
Note:Test temperature:−20°to + 70°. At room temperature, the test results are the worst, only reflecting the test results graphs at room temperature.

Test Graphs

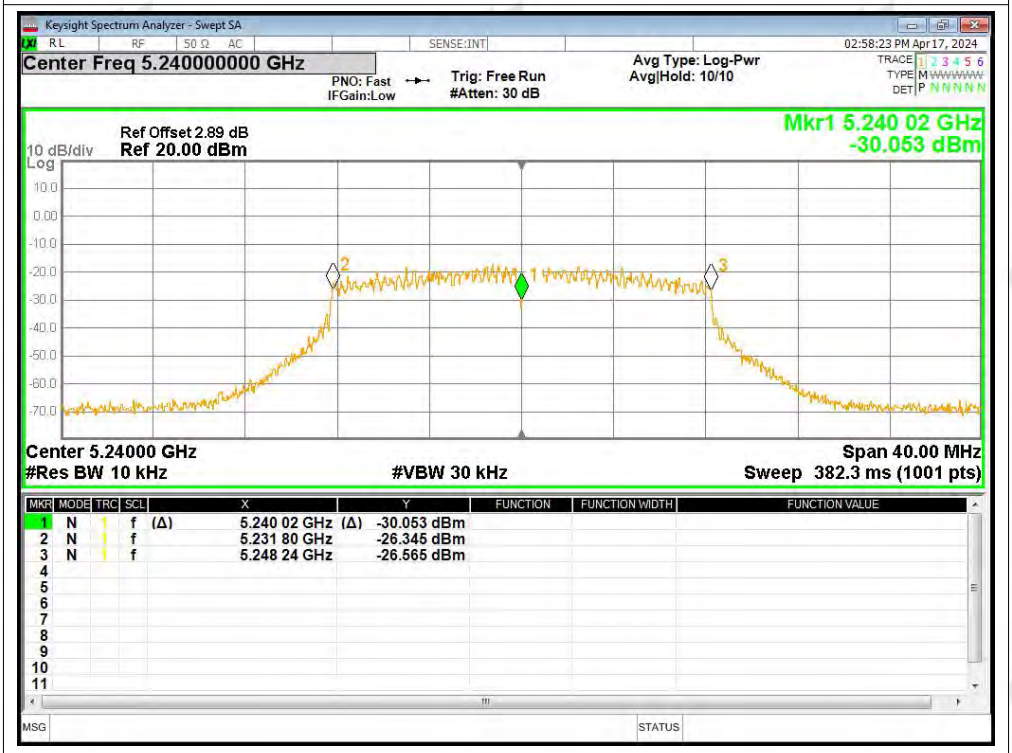
Freq. Stability NVNT a 5180MHz Ant1



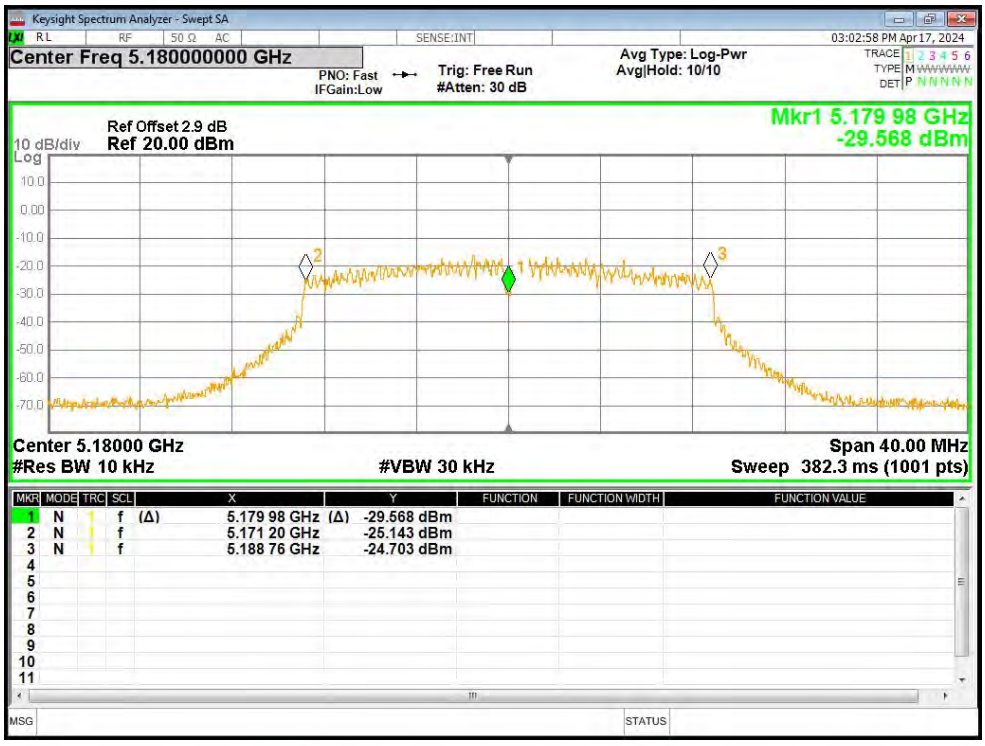
Freq. Stability NVNT a 5200MHz Ant1



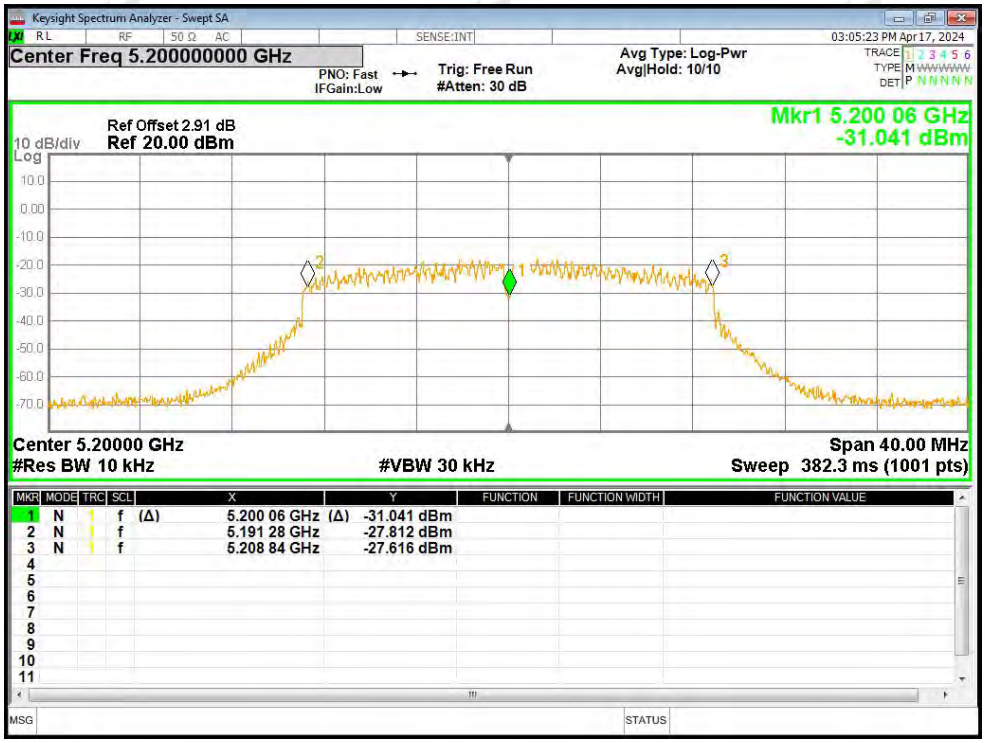
Freq. Stability NVNT a 5240MHz Ant1



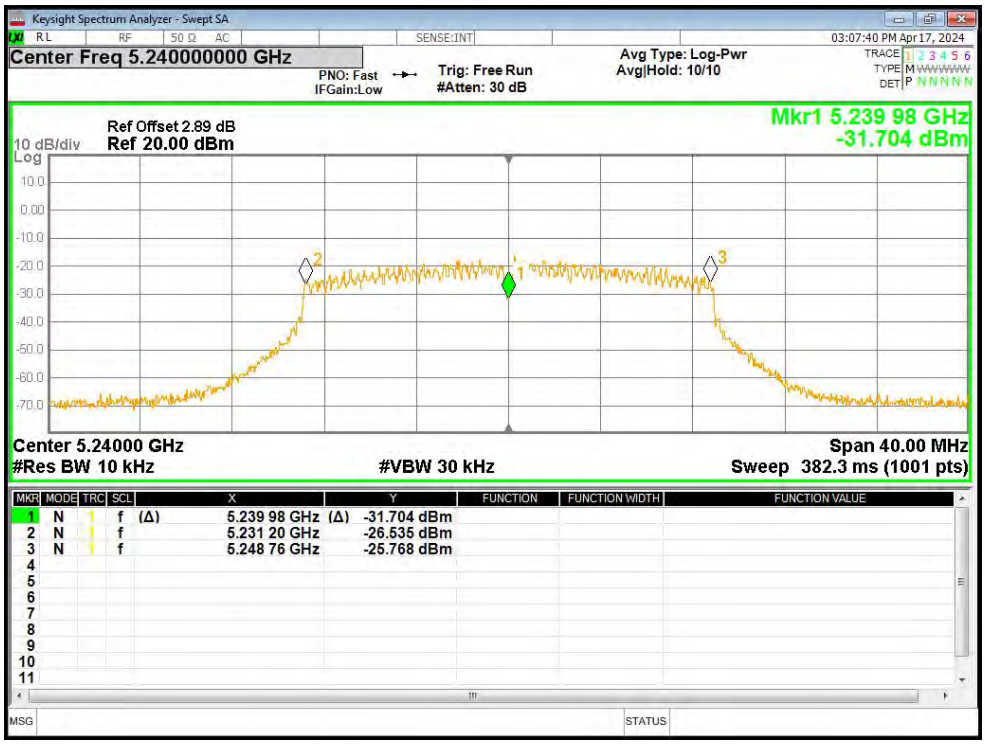
Freq. Stability NVNT n20 5180MHz Ant1



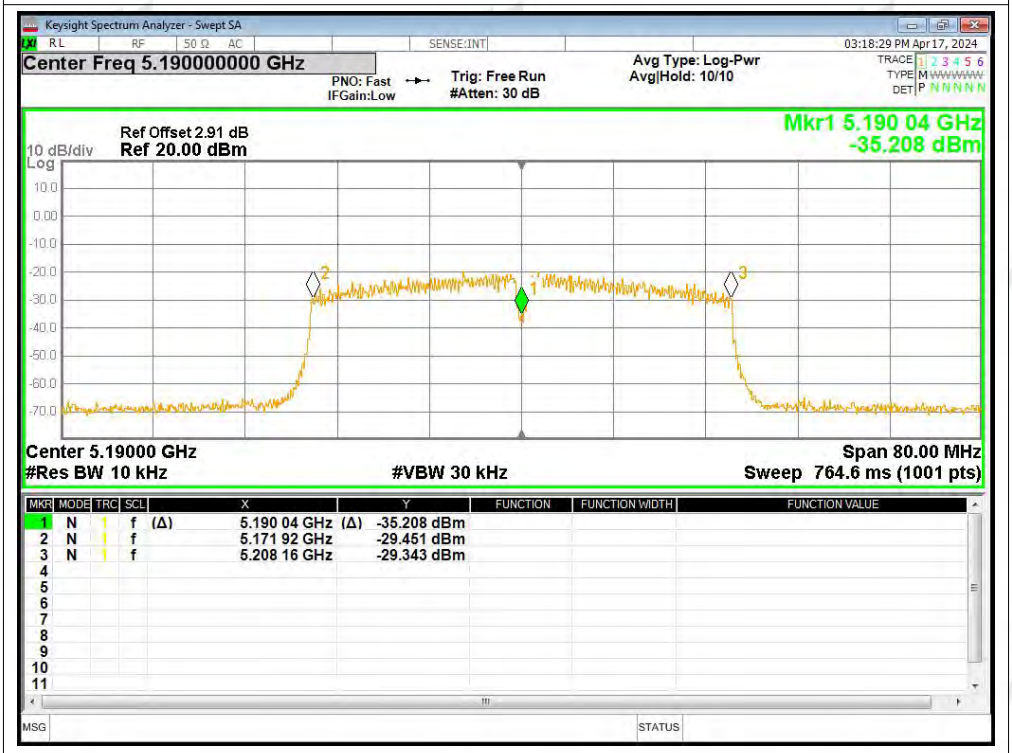
Freq. Stability NVNT n20 5200MHz Ant1



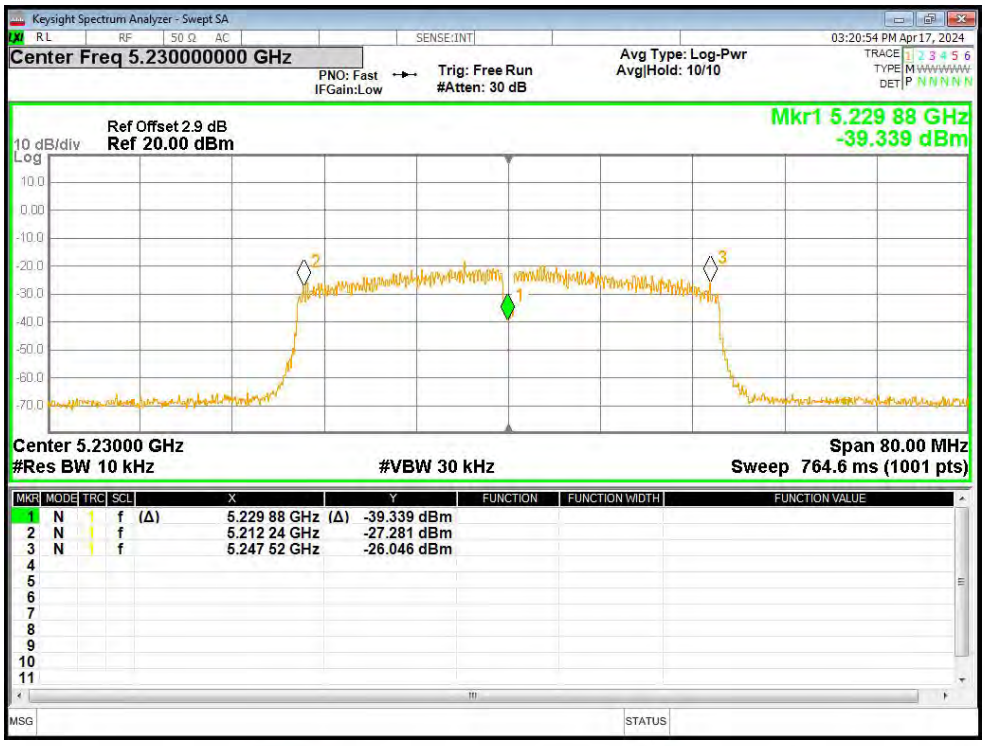
Freq. Stability NVNT n20 5240MHz Ant1



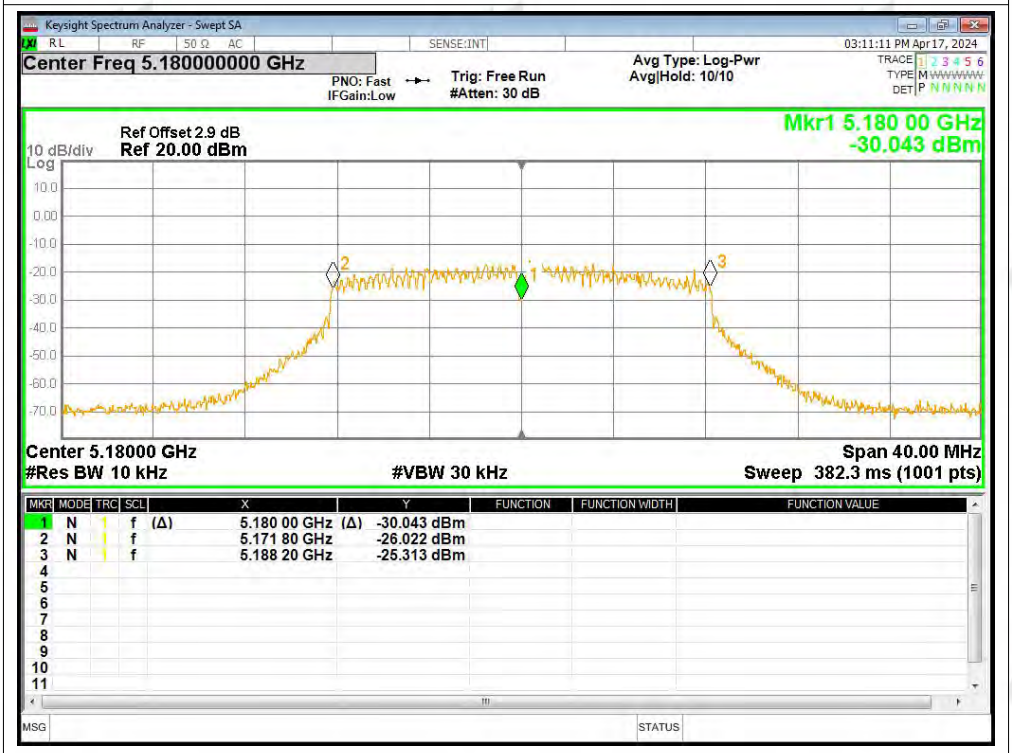
Freq. Stability NVNT n40 5190MHz Ant1



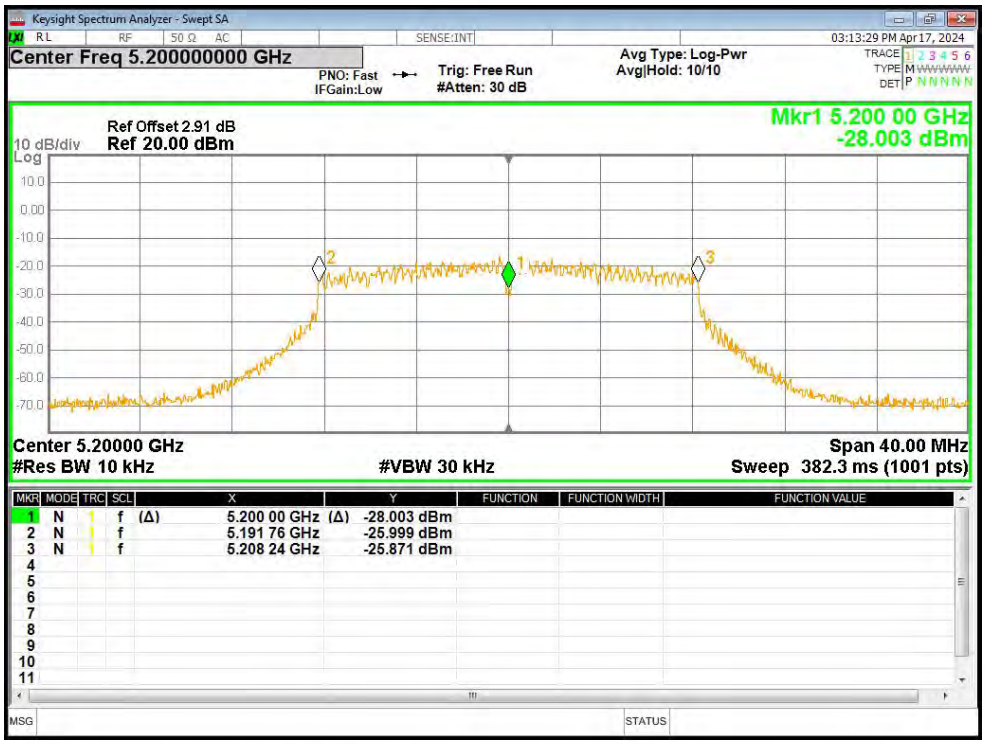
Freq. Stability NVNT n40 5230MHz Ant1



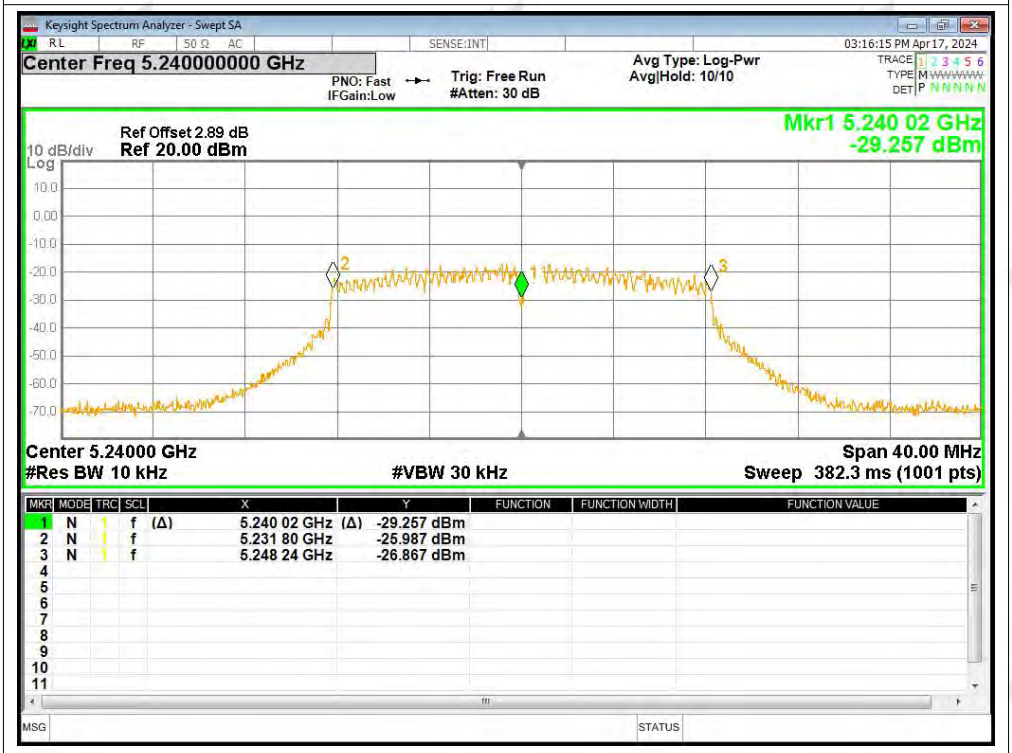
Freq. Stability NVNT ac20 5180MHz Ant1



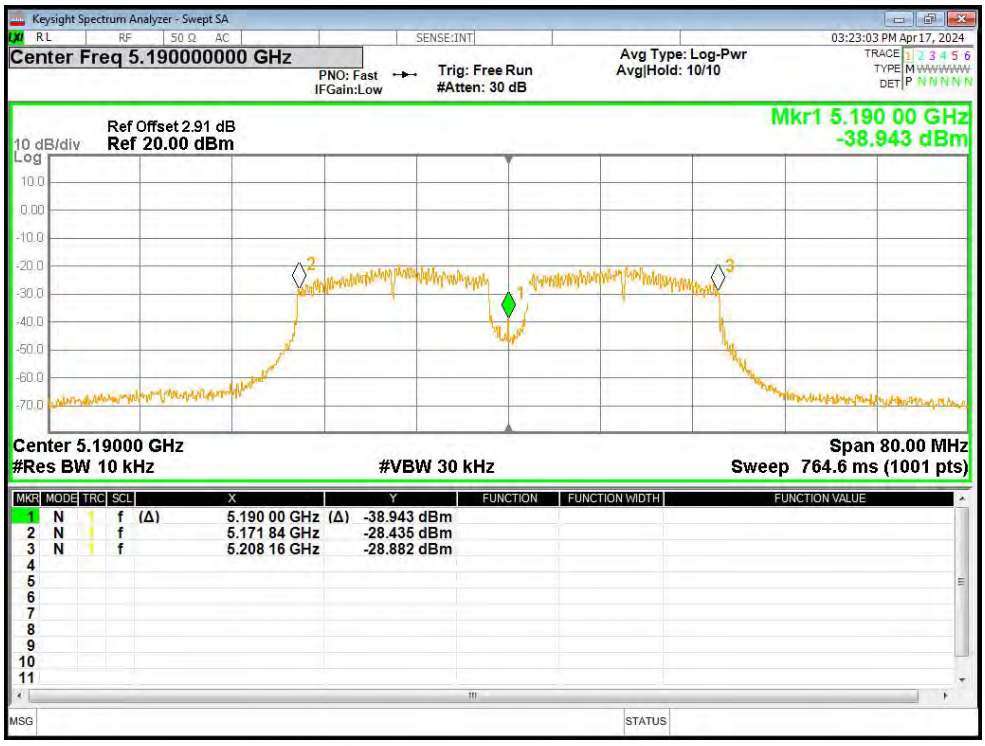
Freq. Stability NVNT ac20 5200MHz Ant1



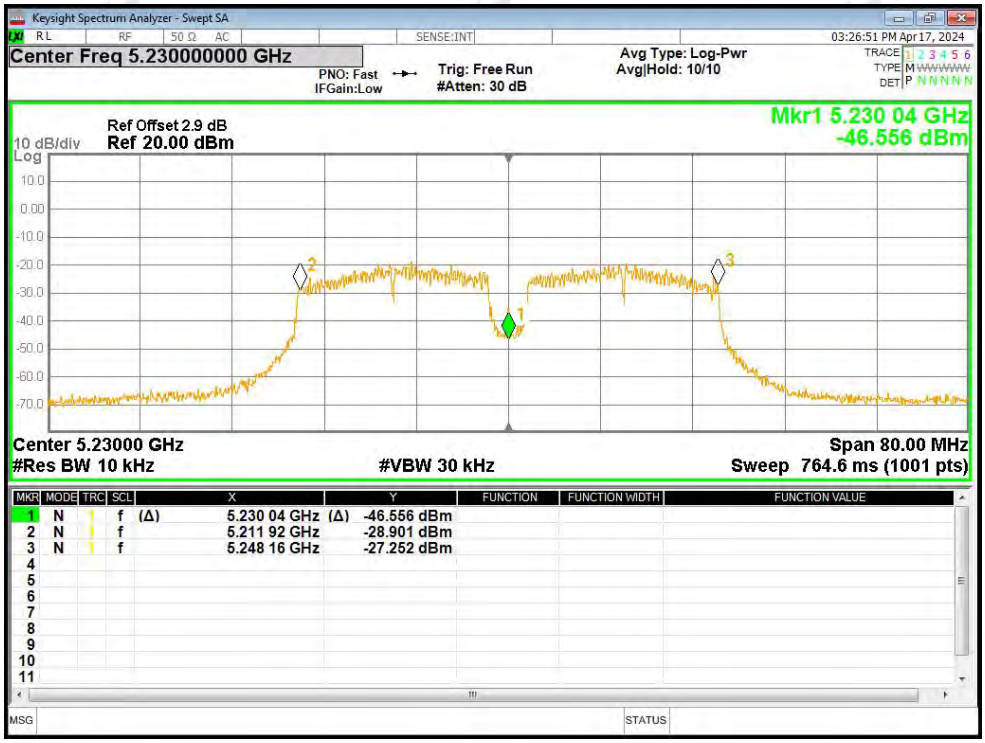
Freq. Stability NVNT ac20 5240MHz Ant1



Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1

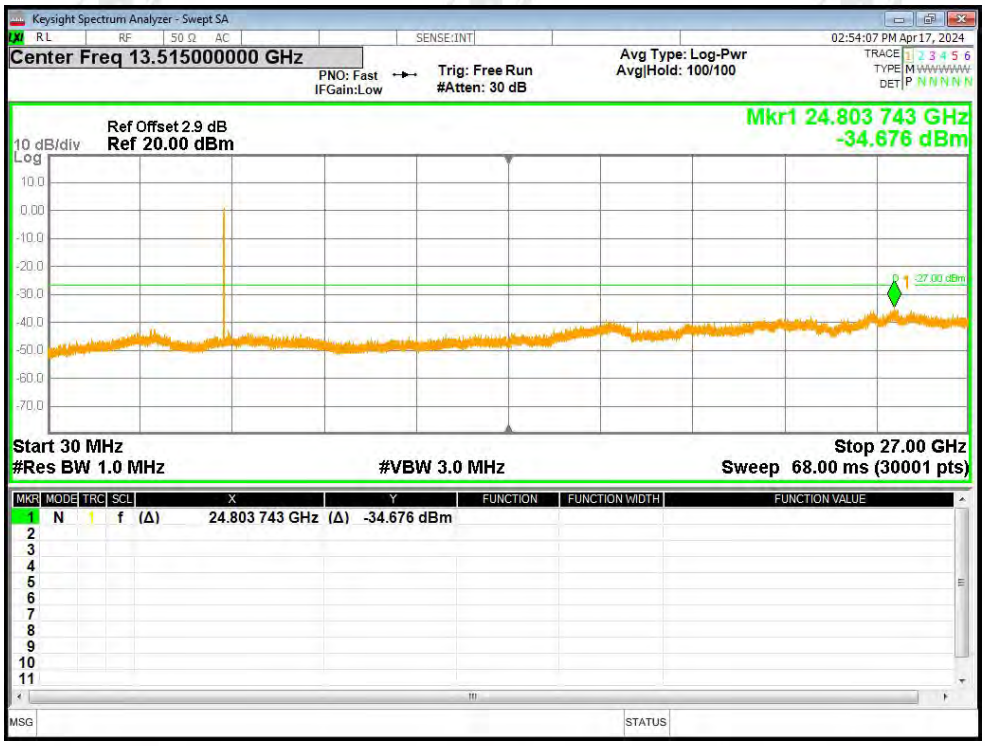


A8. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.67	-27	Pass
NVNT	a	5200	Ant1	-35.44	-27	Pass
NVNT	a	5240	Ant1	-35.32	-27	Pass
NVNT	n20	5180	Ant1	-35.77	-27	Pass
NVNT	n20	5200	Ant1	-35.46	-27	Pass
NVNT	n20	5240	Ant1	-35.64	-27	Pass
NVNT	n40	5190	Ant1	-35.27	-27	Pass
NVNT	n40	5230	Ant1	-35.83	-27	Pass
NVNT	ac20	5180	Ant1	-35.26	-27	Pass
NVNT	ac20	5200	Ant1	-35.48	-27	Pass
NVNT	ac20	5240	Ant1	-34.78	-27	Pass
NVNT	ac40	5190	Ant1	-35.99	-27	Pass
NVNT	ac40	5230	Ant1	-34.72	-27	Pass

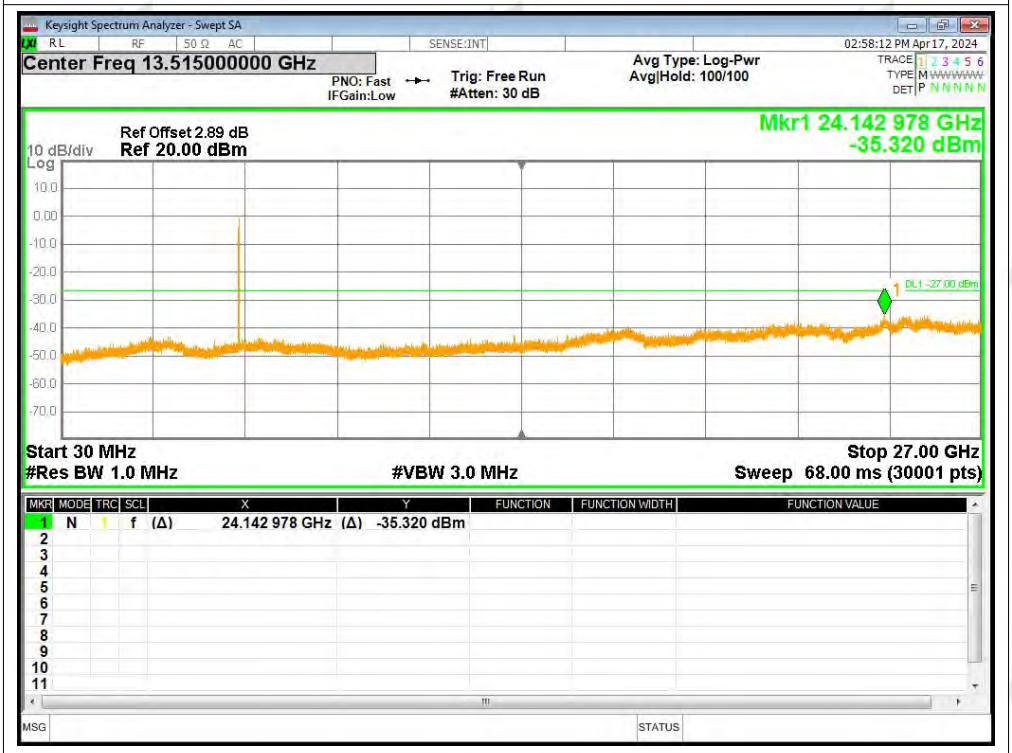
Test Graphs

Tx. Spurious NVNT a 5180MHz Ant1 Emission

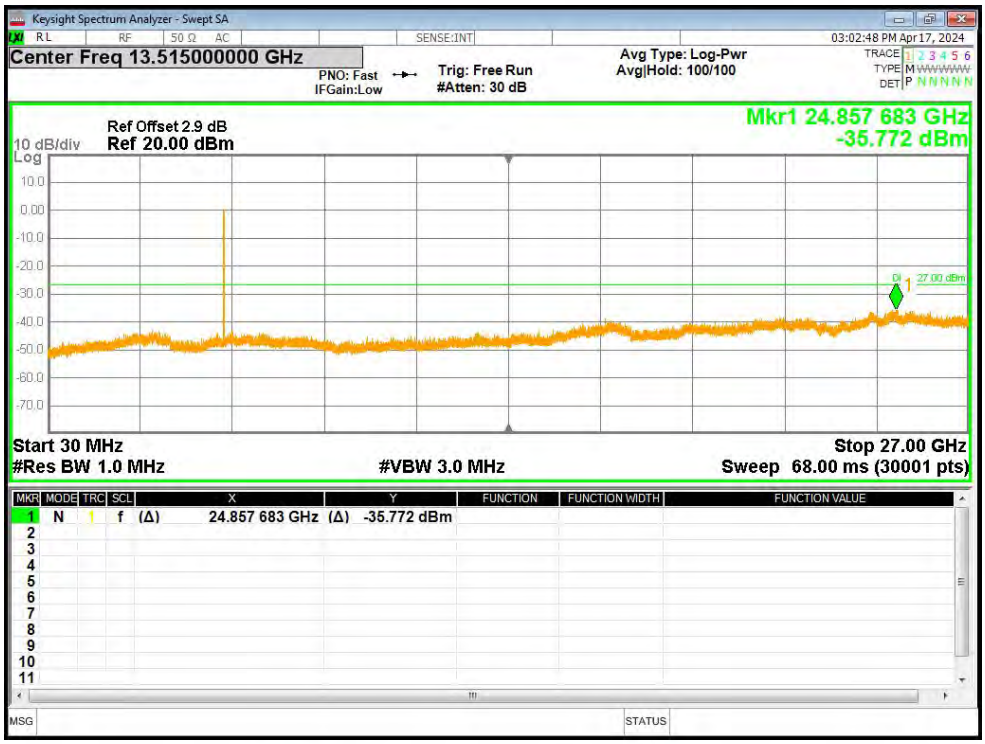


Tx. Spurious NVNT a 5200MHz Ant1 Emission

Tx. Spurious NVNT a 5240MHz Ant1 Emission

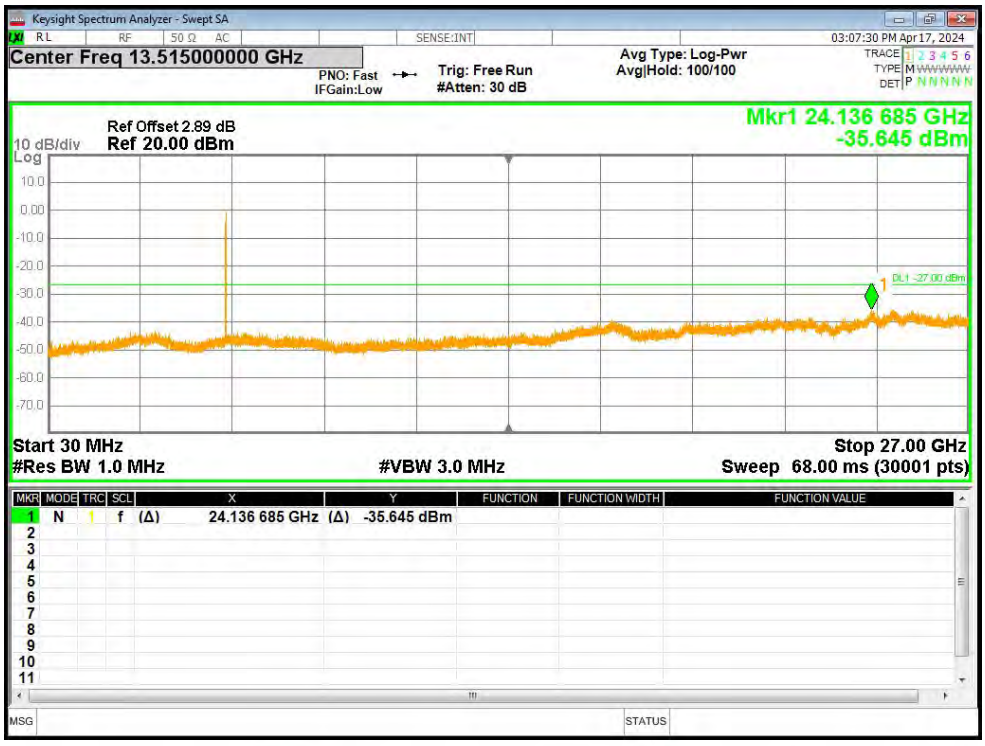


Tx. Spurious NVNT n20 5180MHz Ant1 Emission

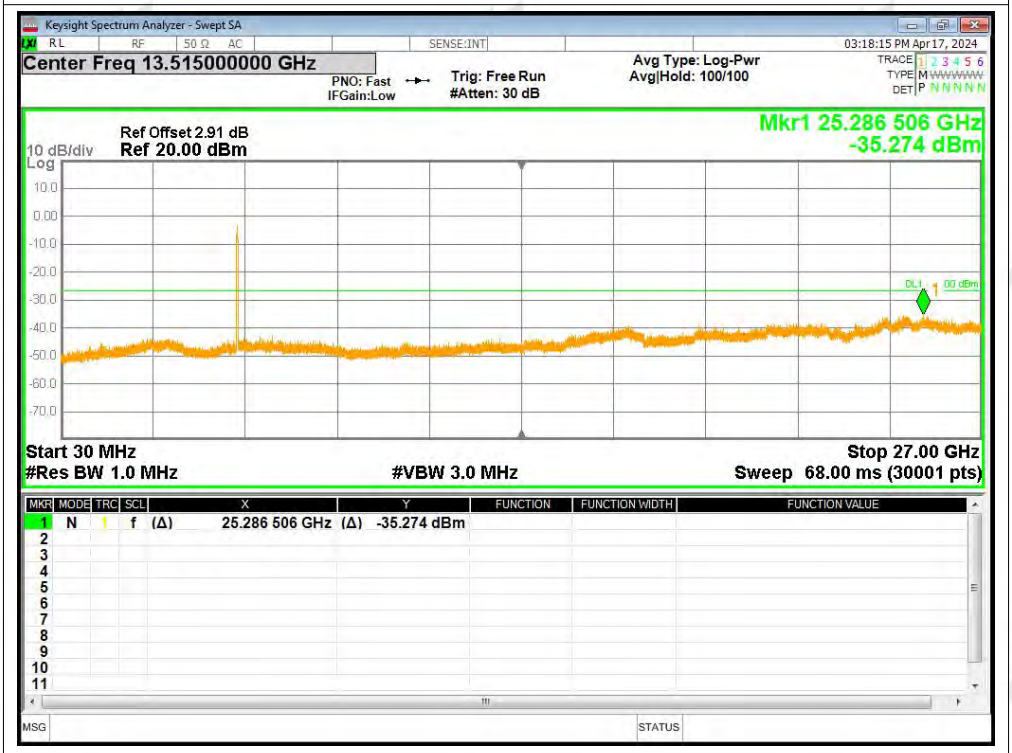


Tx. Spurious NVNT n20 5200MHz Ant1 Emission

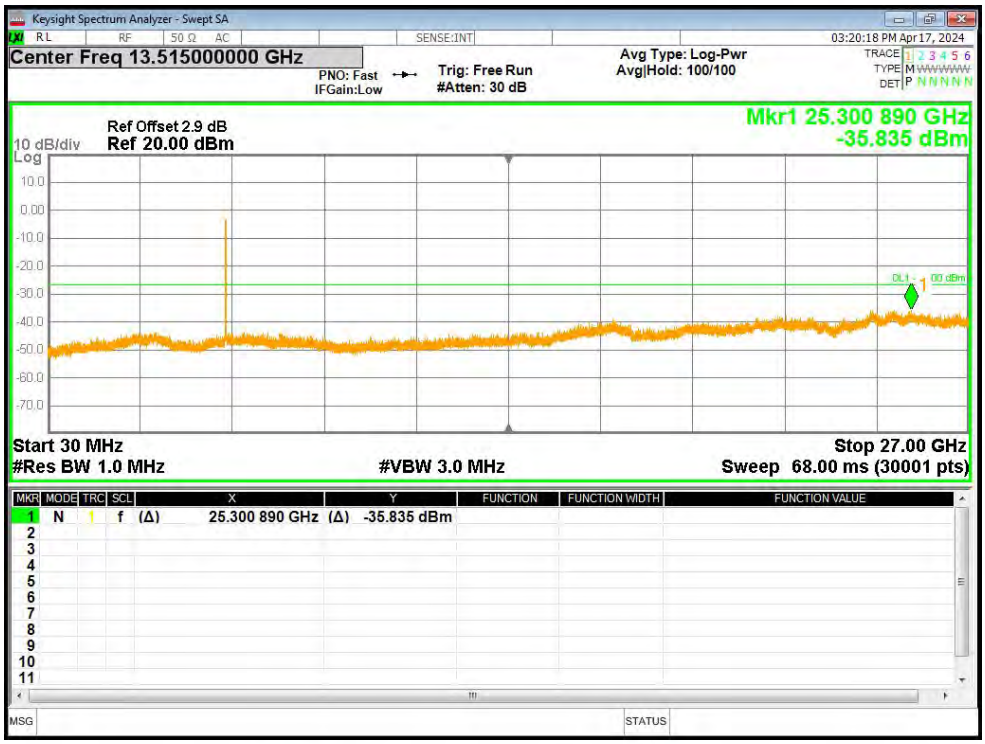
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



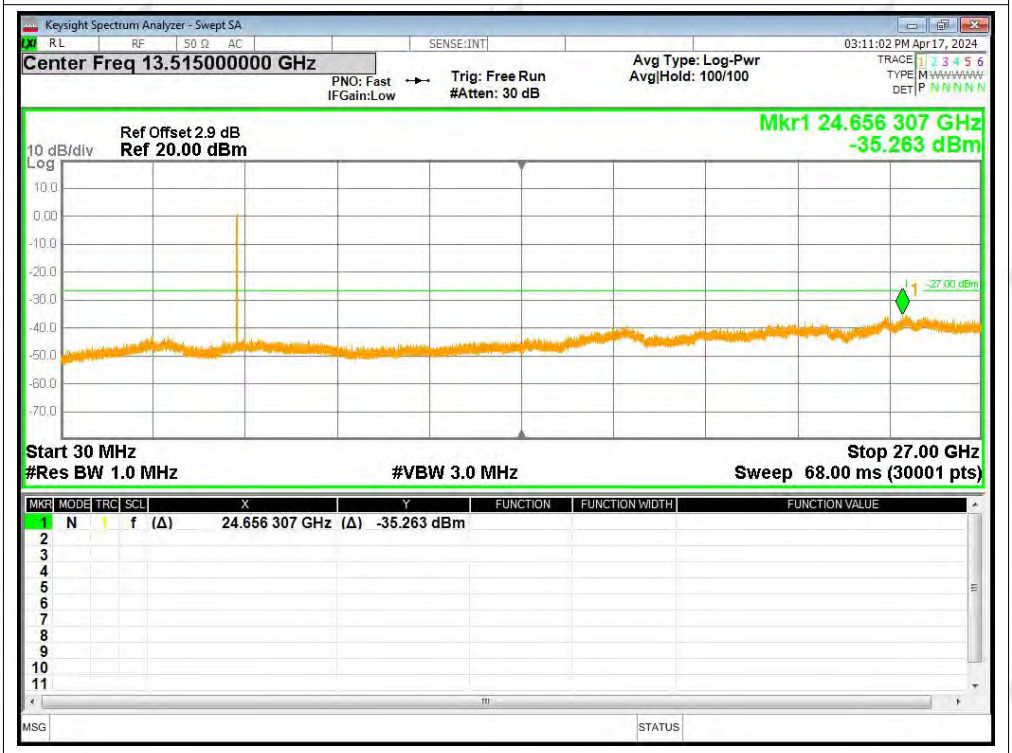
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



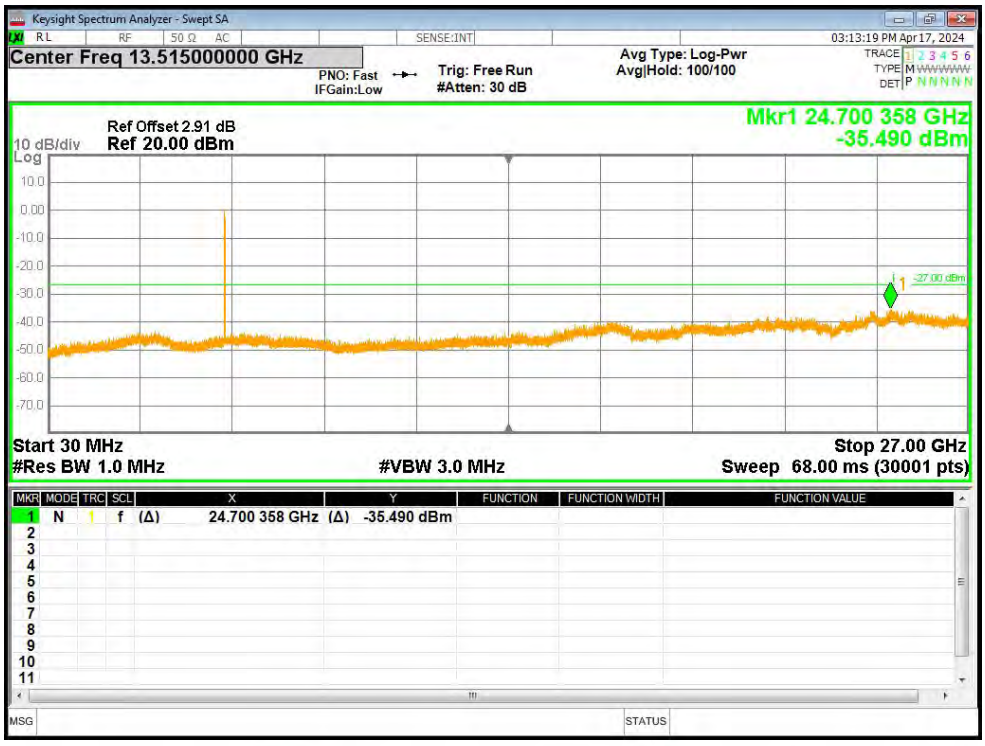
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



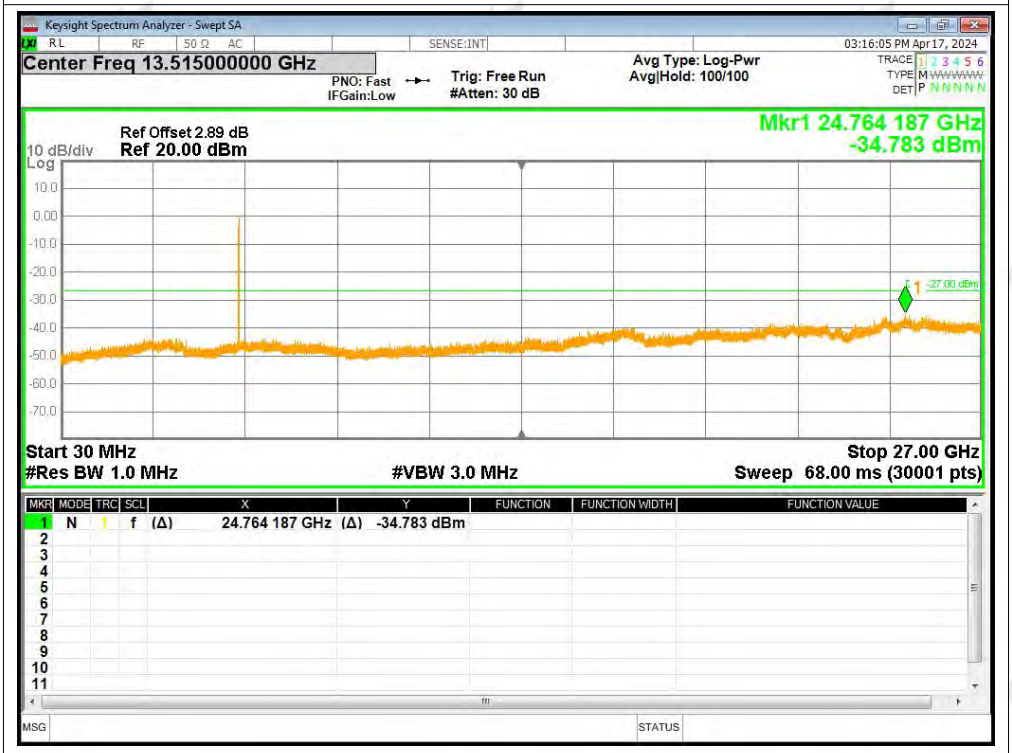
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



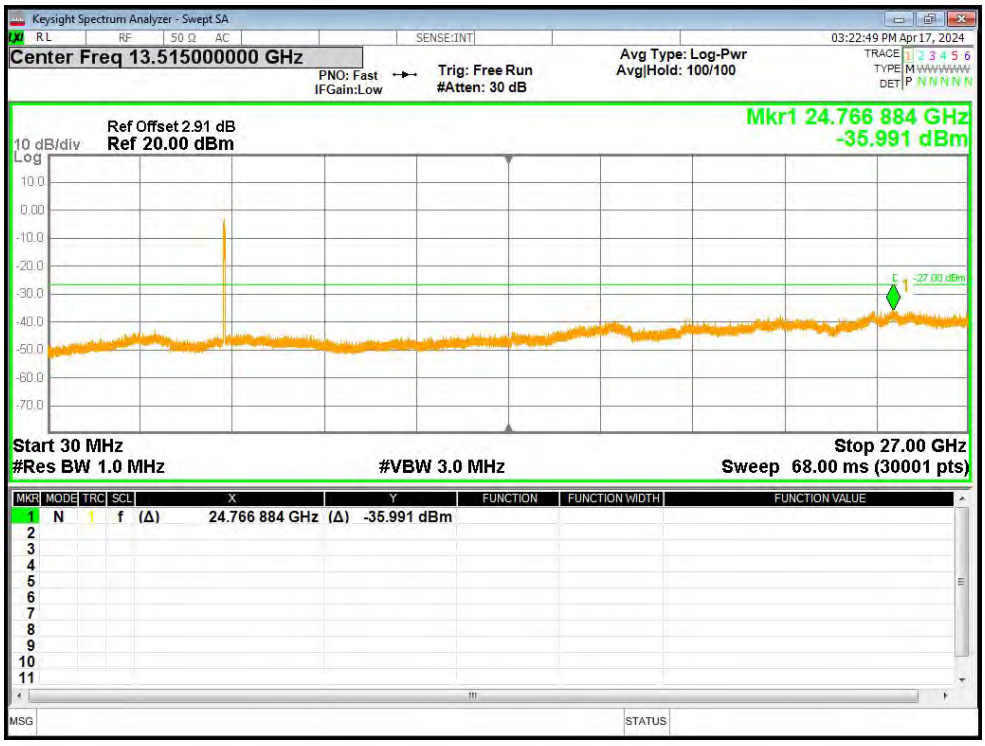
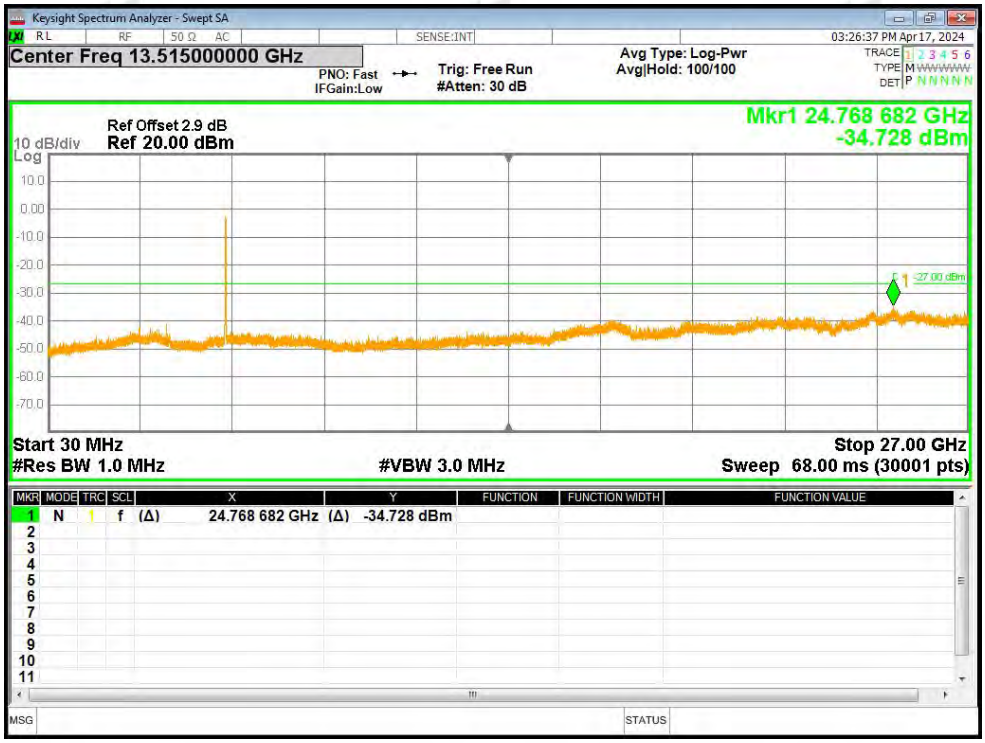
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



Tx. Spurious NVNT ac40 5230MHz Ant1 Emission