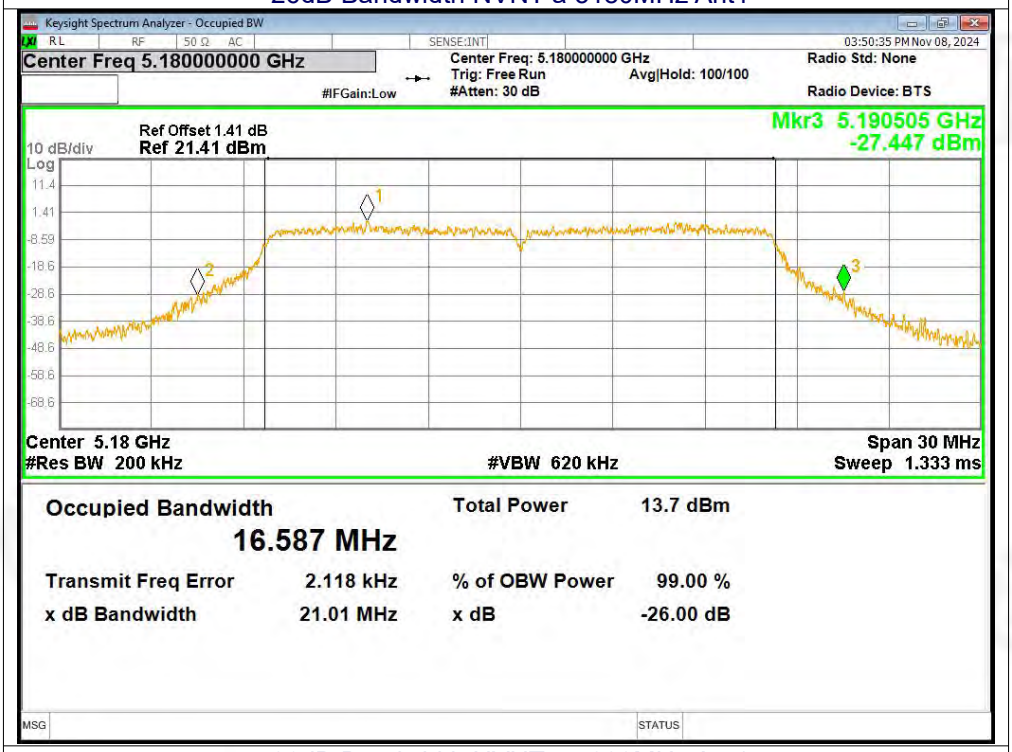
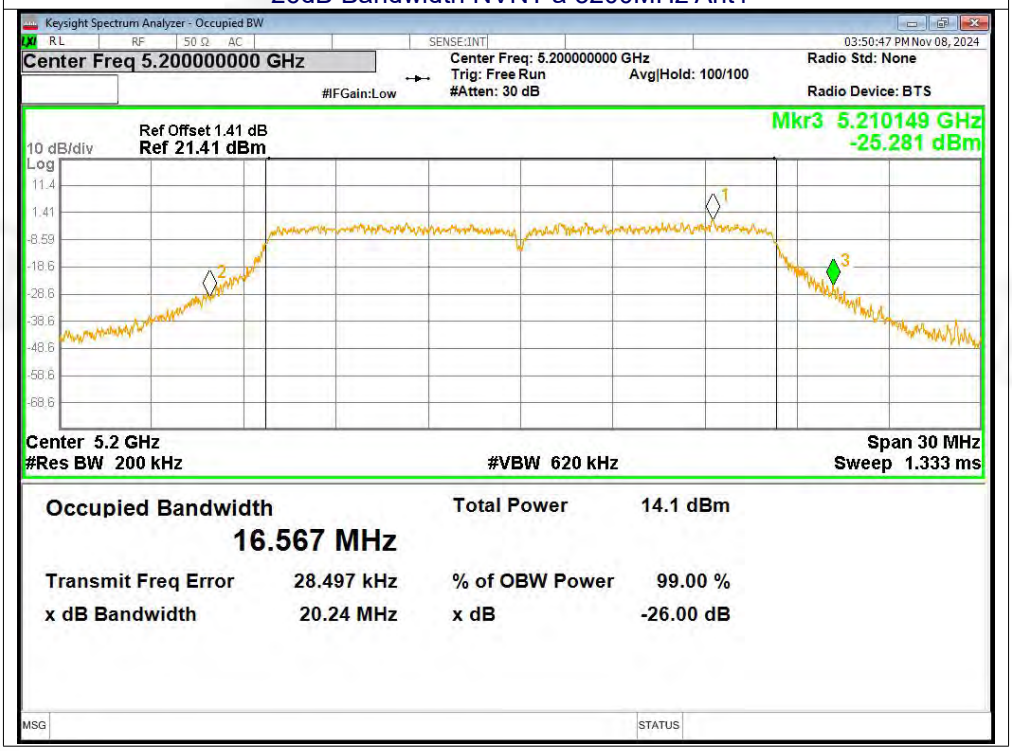
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

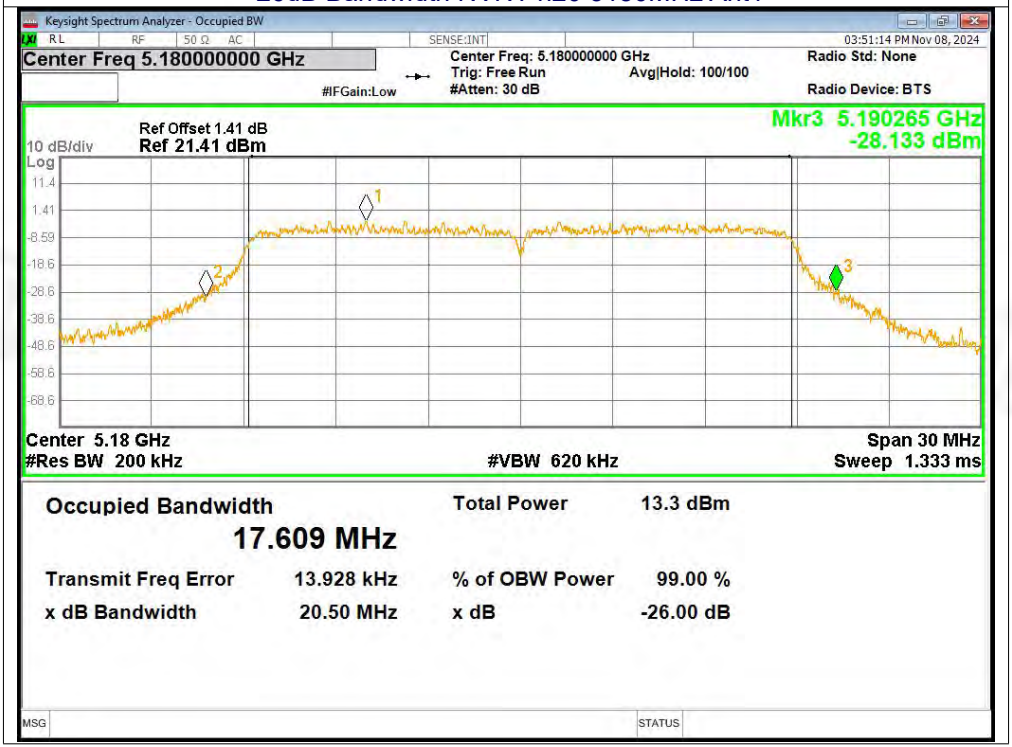


-26dB Bandwidth NVNT a 5200MHz Ant1

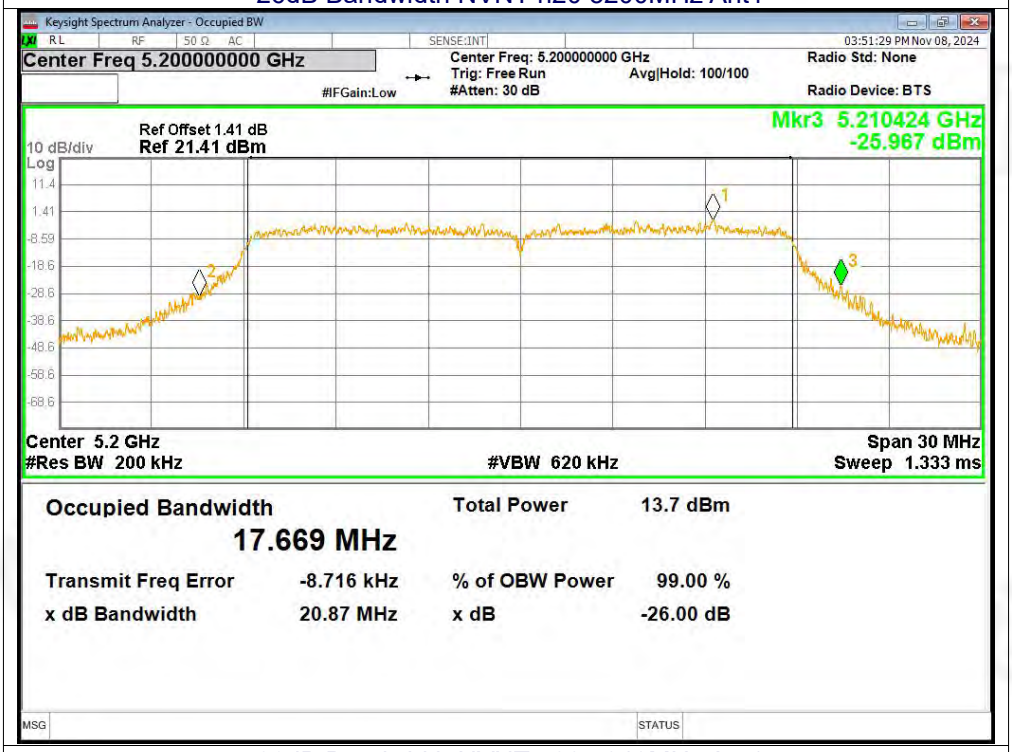


-26dB Bandwidth NVNT a 5240MHz Ant1

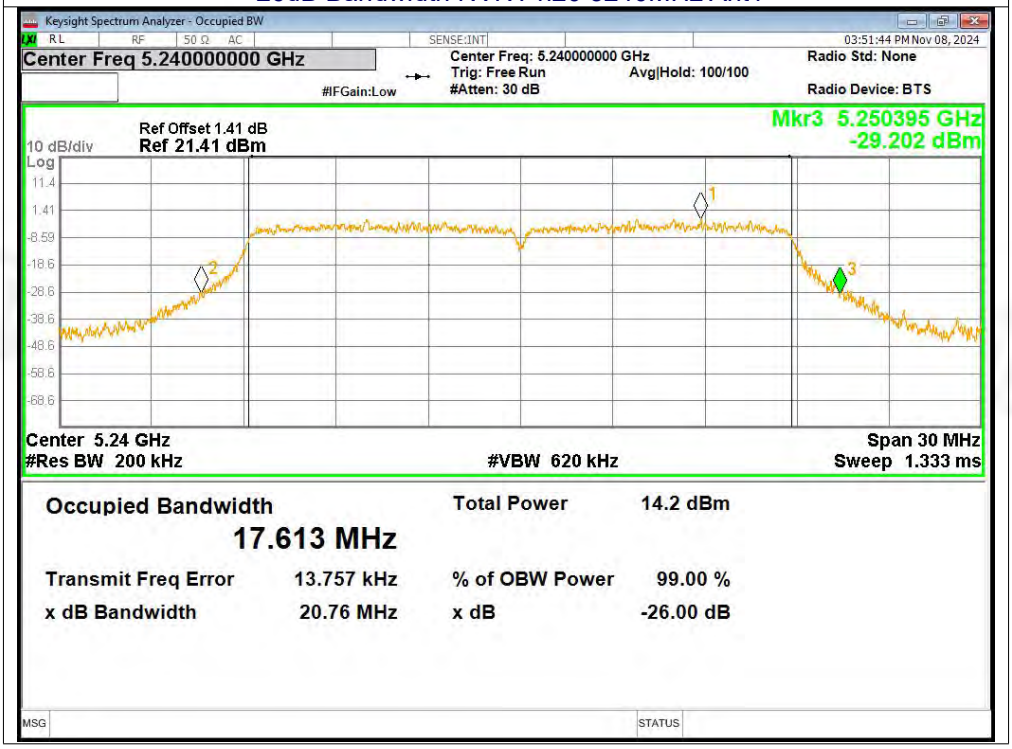
-26dB Bandwidth NVNT n20 5180MHz Ant1



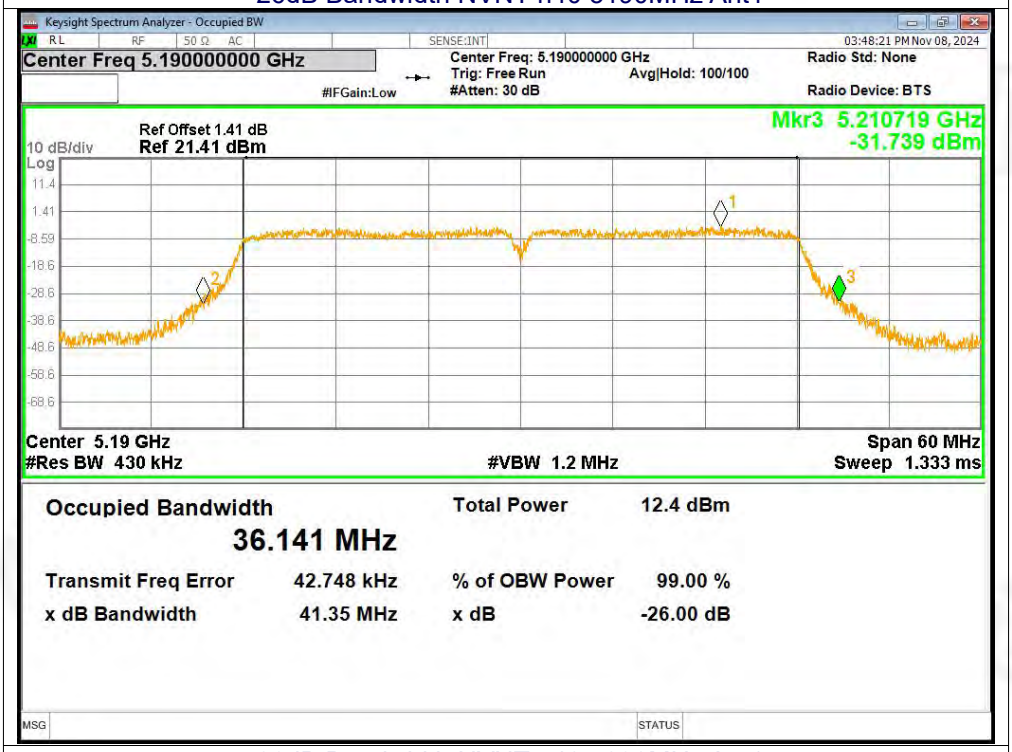
-26dB Bandwidth NVNT n20 5200MHz Ant1



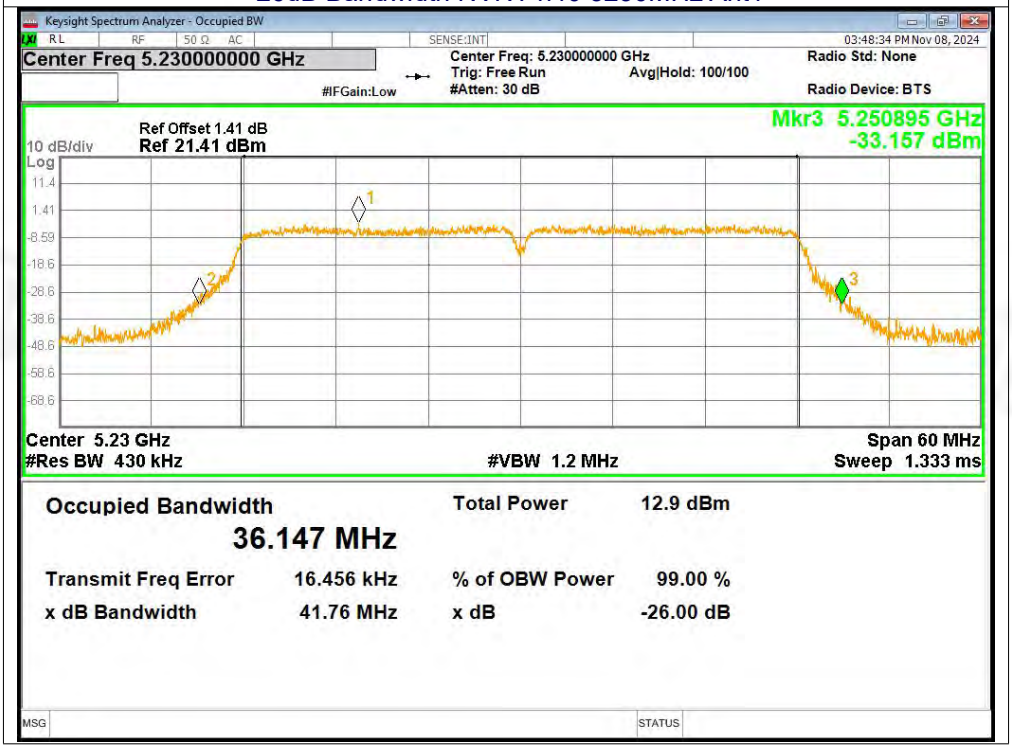
-26dB Bandwidth NVNT n20 5240MHz Ant1



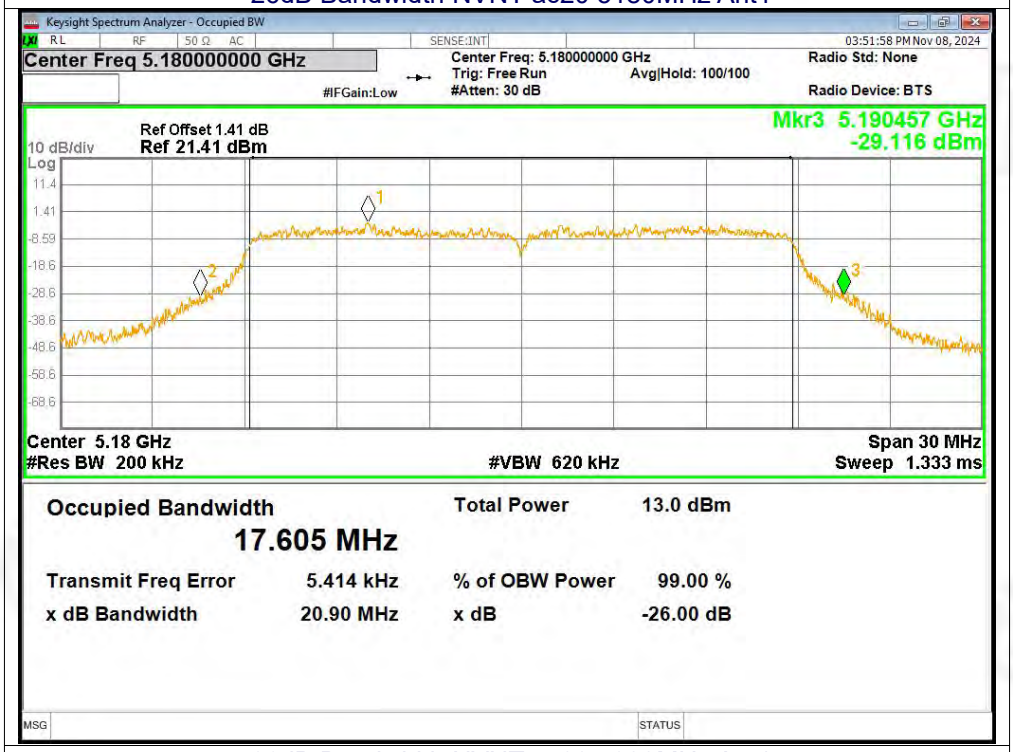
-26dB Bandwidth NVNT n40 5190MHz Ant1



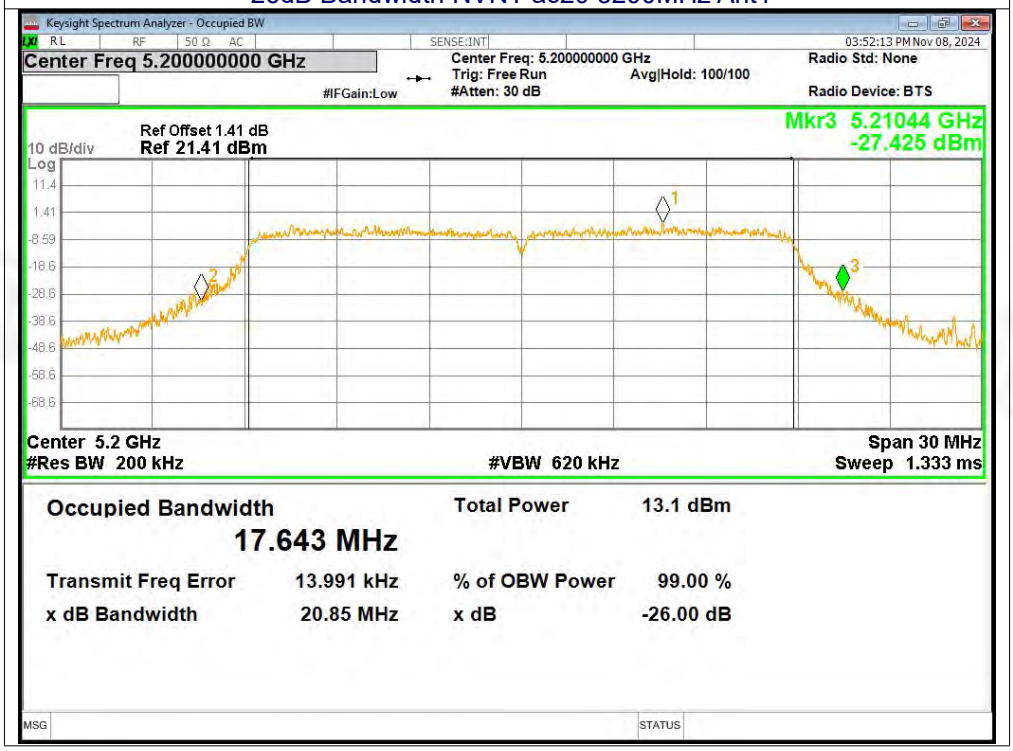
-26dB Bandwidth NVNT n40 5230MHz Ant1



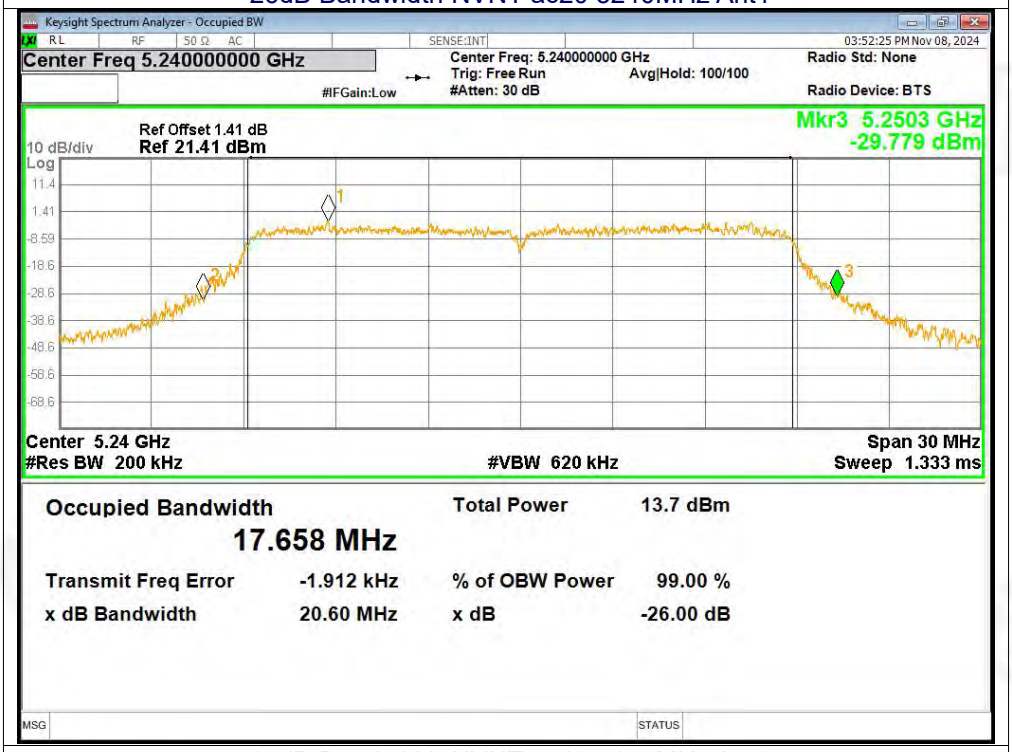
-26dB Bandwidth NVNT ac20 5180MHz Ant1



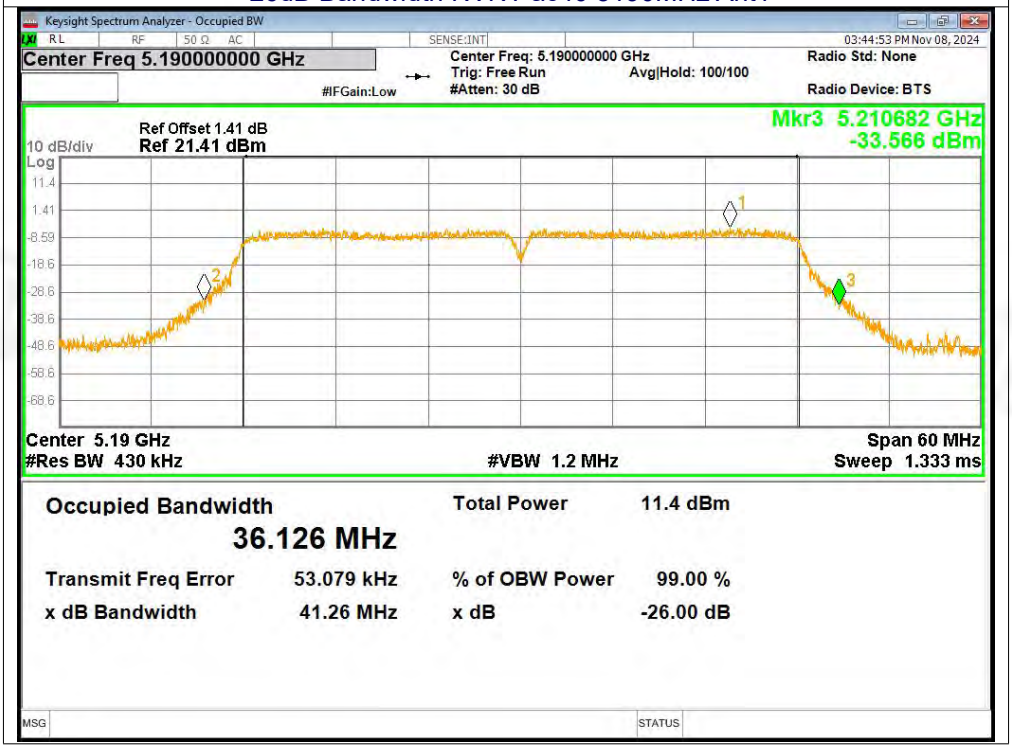
-26dB Bandwidth NVNT ac20 5200MHz Ant1



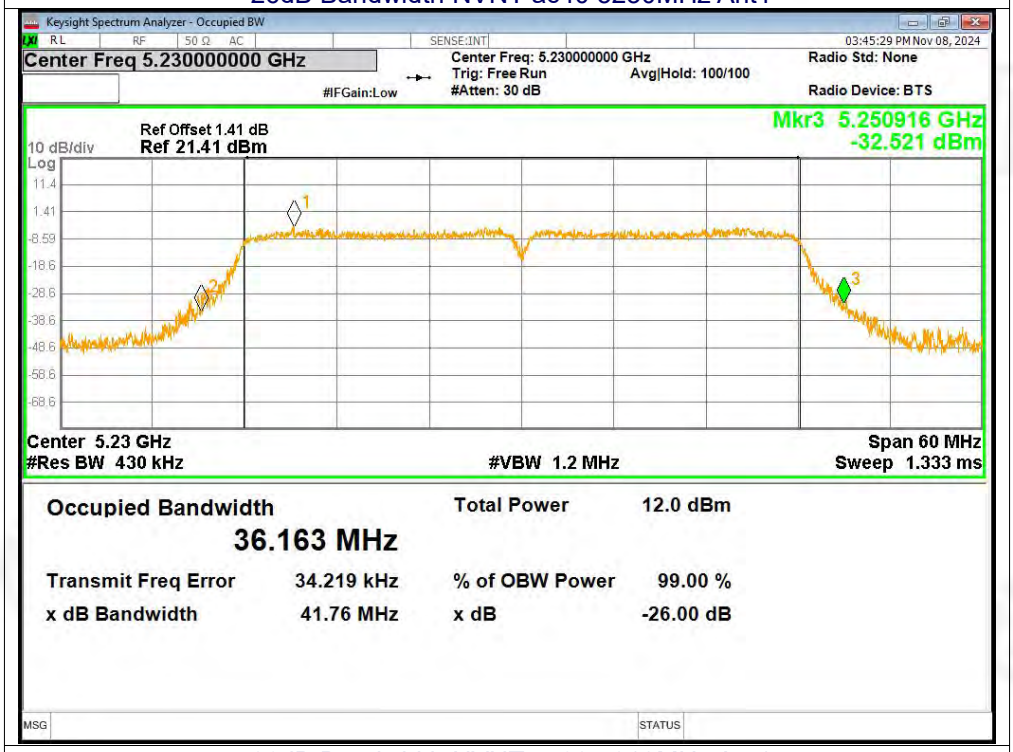
-26dB Bandwidth NVNT ac20 5240MHz Ant1



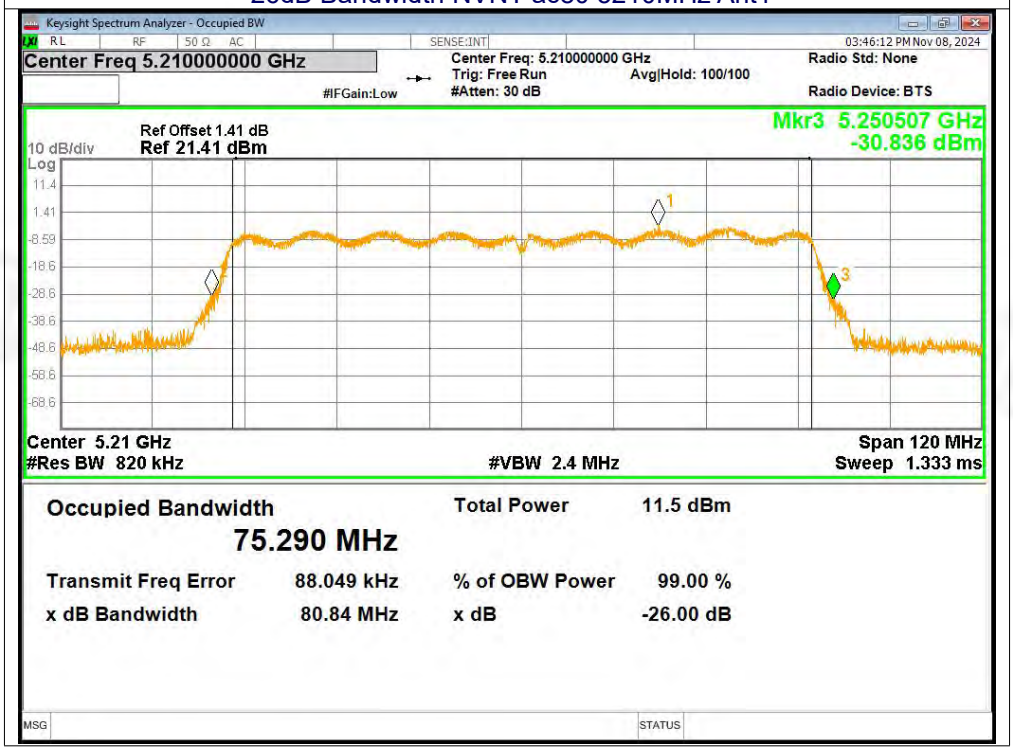
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



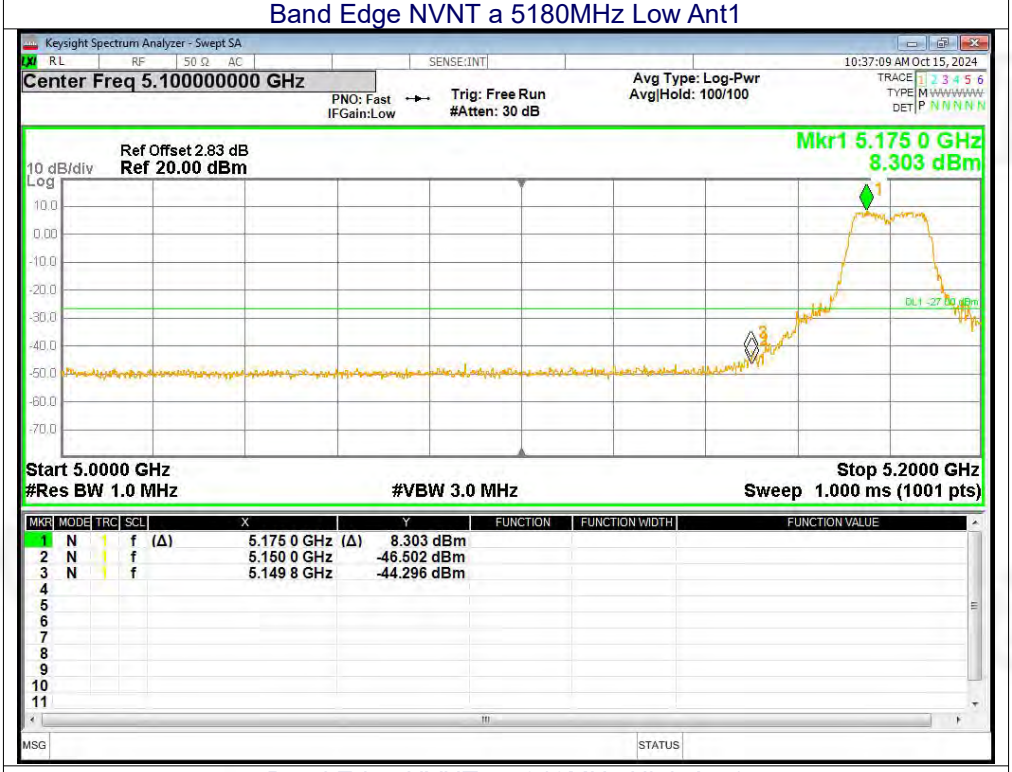
A.6 Band Edge

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	-44.29	-27	Pass
a	5240	-46.38	-27	Pass
n20	5180	-44.35	-27	Pass
n20	5240	-46.88	-27	Pass
n40	5190	-38.39	-27	Pass
n40	5230	-46.7	-27	Pass
ac20	5180	-47.07	-27	Pass
ac20	5240	-46.2	-27	Pass
ac40	5190	-42.29	-27	Pass
ac40	5230	-46.98	-27	Pass
ac80	5210	-40.04	-27	Pass

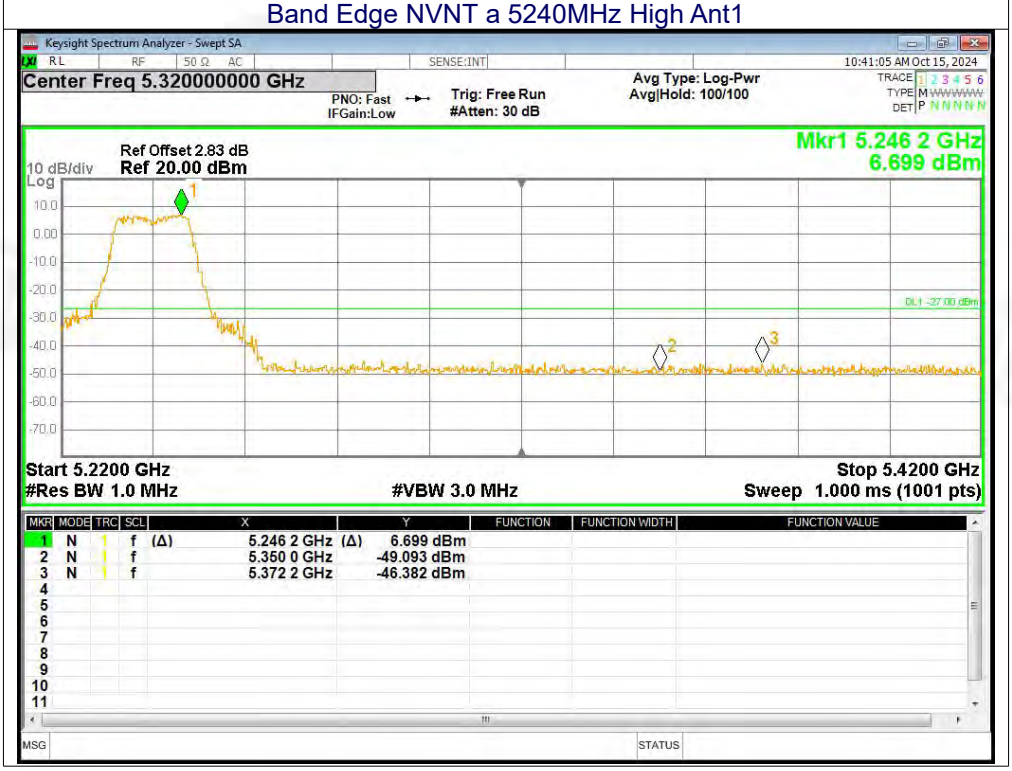
Note:Antenna gain and line loss have been added to the test results.

Test Graphs

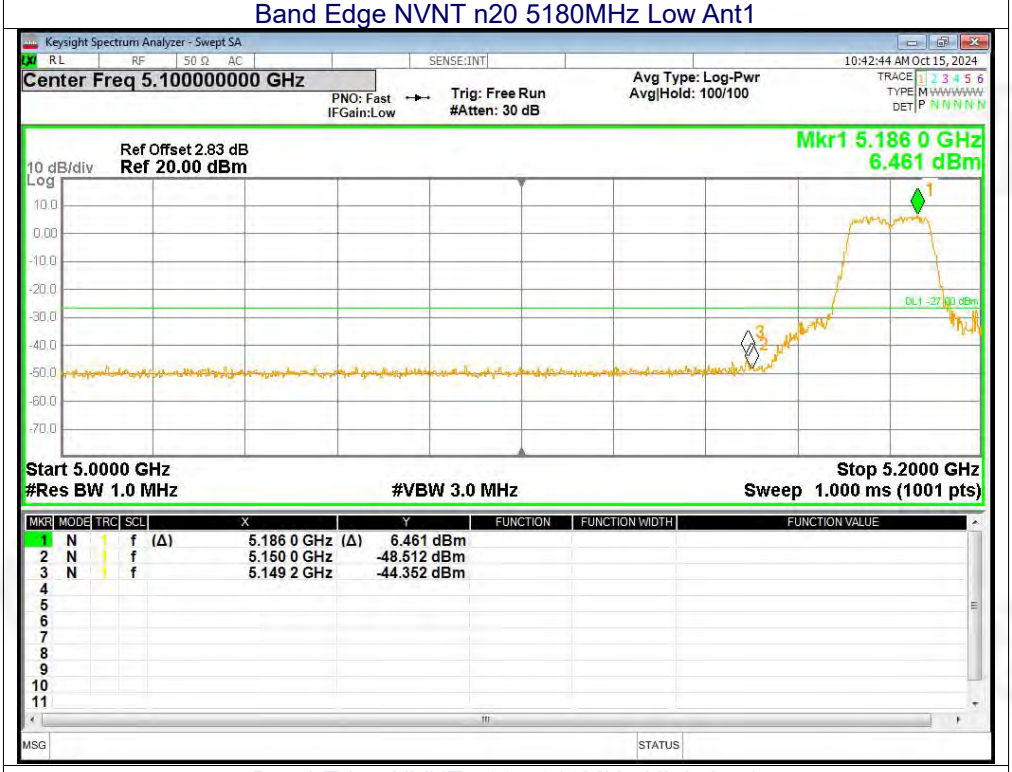
Band Edge NVNT a 5180MHz Low Ant1



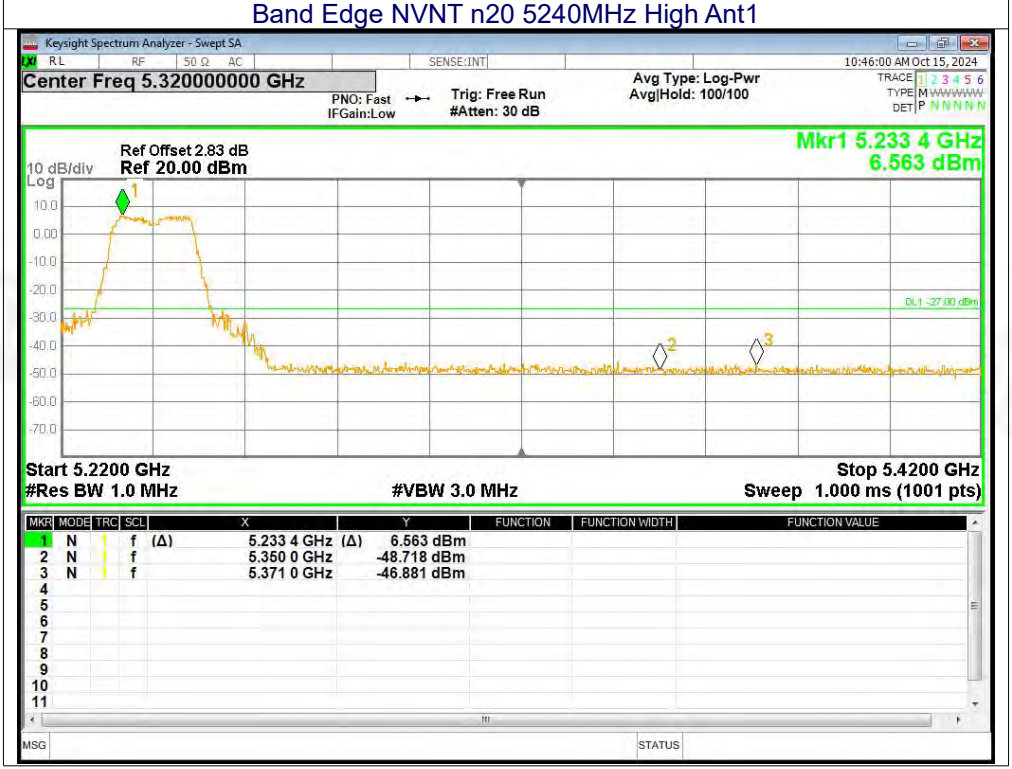
Band Edge NVNT a 5240MHz High Ant1



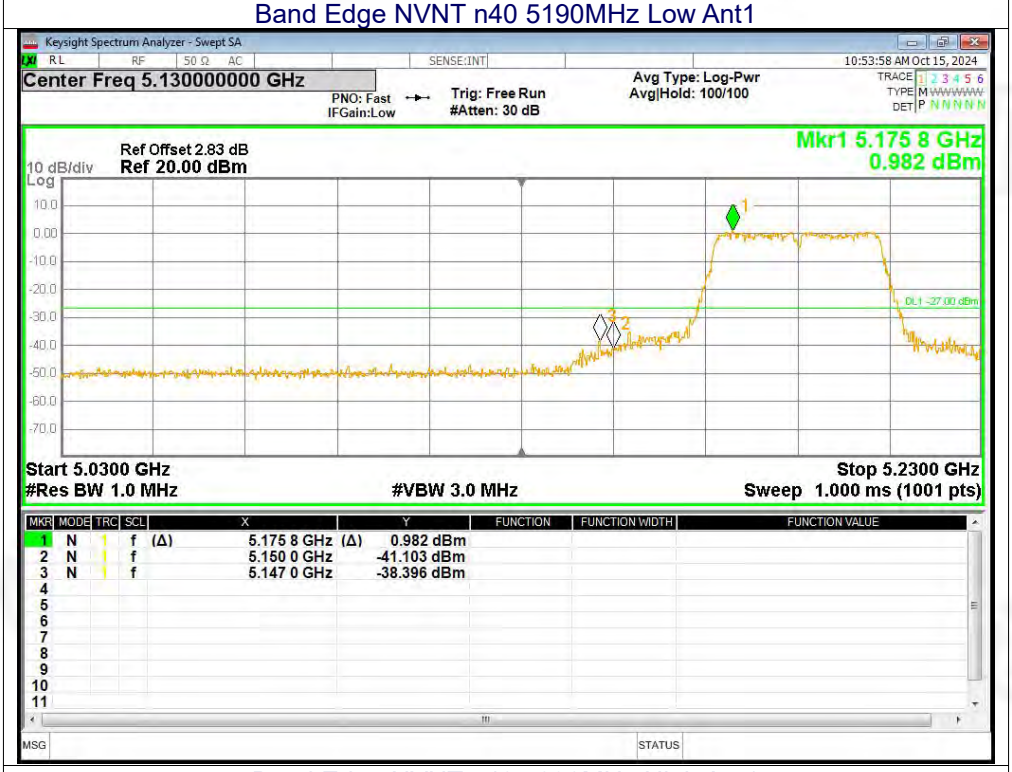
Band Edge NVNT n20 5180MHz Low Ant1



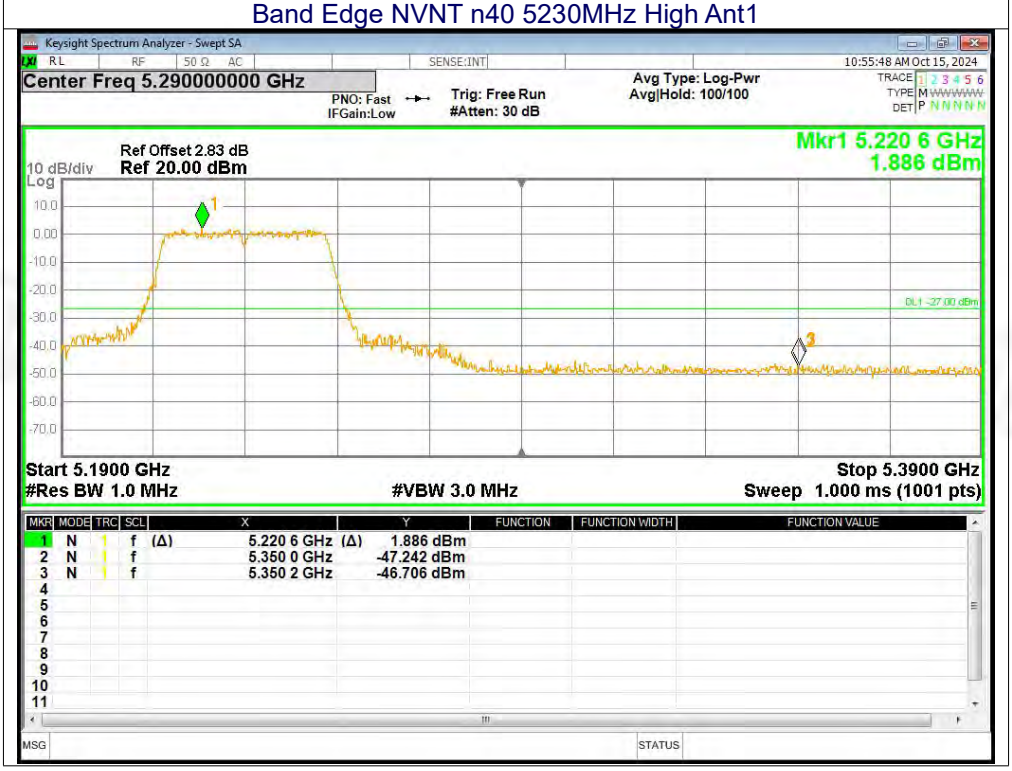
Band Edge NVNT n20 5240MHz High Ant1



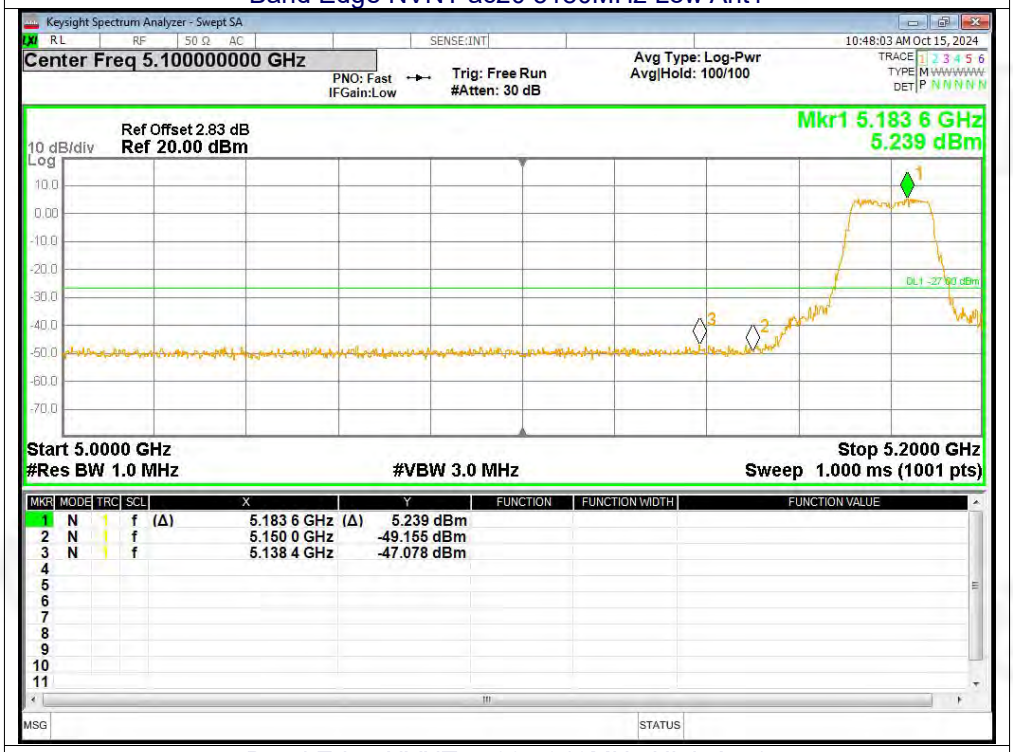
Band Edge NVNT n40 5190MHz Low Ant1



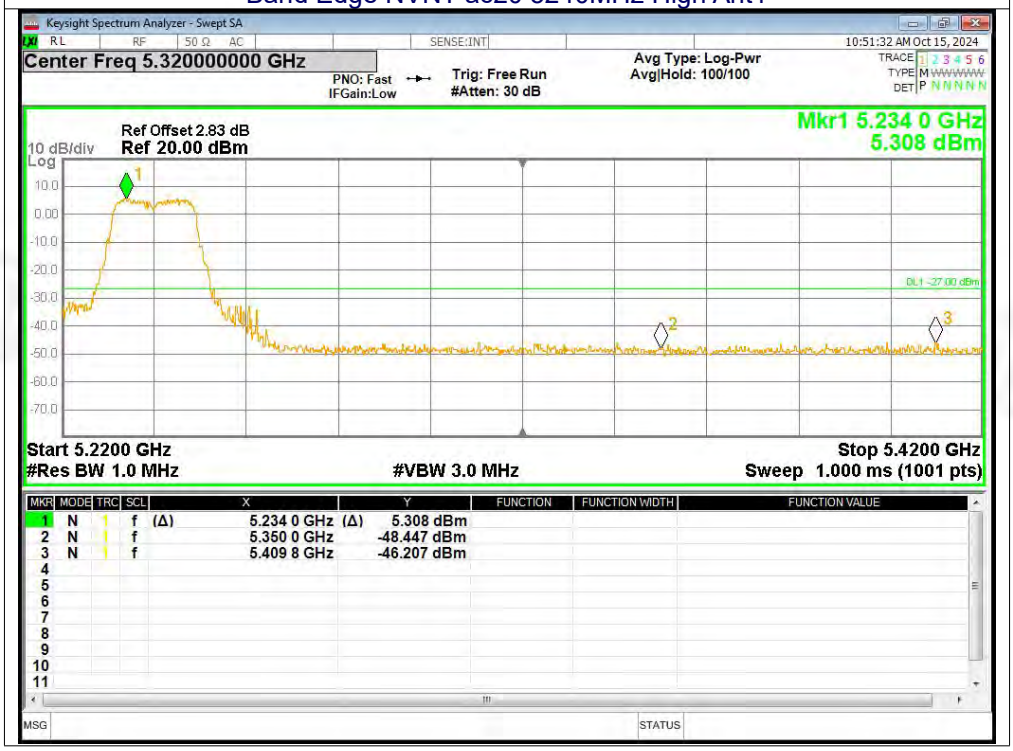
Band Edge NVNT n40 5230MHz High Ant1



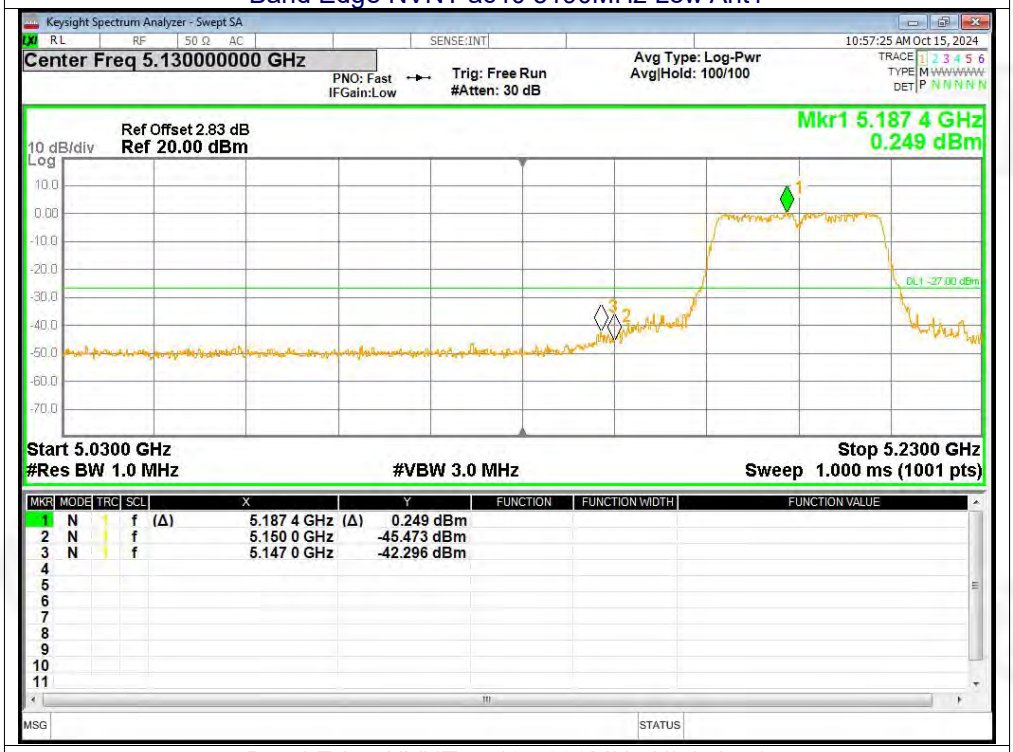
Band Edge NVNT ac20 5180MHz Low Ant1



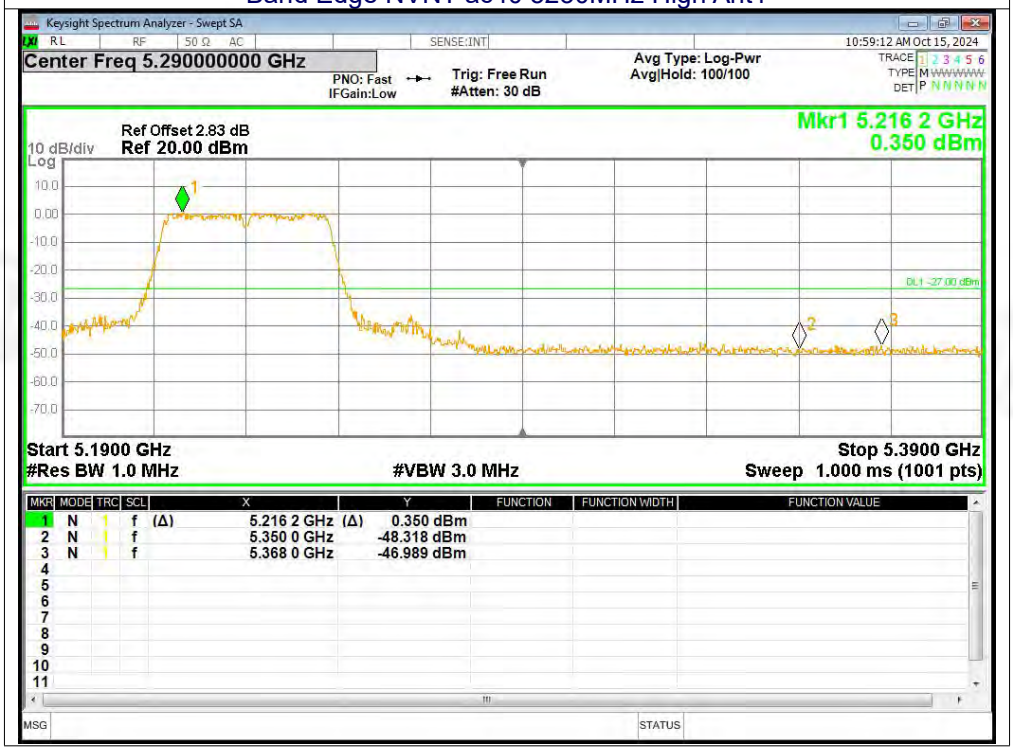
Band Edge NVNT ac20 5240MHz High Ant1



Band Edge NVNT ac40 5190MHz Low Ant1



Band Edge NVNT ac40 5230MHz High Ant1



Band Edge NVNT ac80 5210MHz Low Ant1

A.7 Frequency Stability

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

n40	5190	NV	NT	0	0	Within 5150-5250MHz	Pass
		LV	NT	0	0		
		HV	NT	0	0		
	5230	NV	NT	40000	7.65		
		LV	NT	40000	7.65		
		HV	NT	40000	7.65		
ac40	5190	NV	NT	0	0		
		LV	NT	0	0		
		HV	NT	0	0		
	5230	NV	NT	0	0		
		LV	NT	0	0		
		HV	NT	0	0		
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	-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	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	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	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	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		

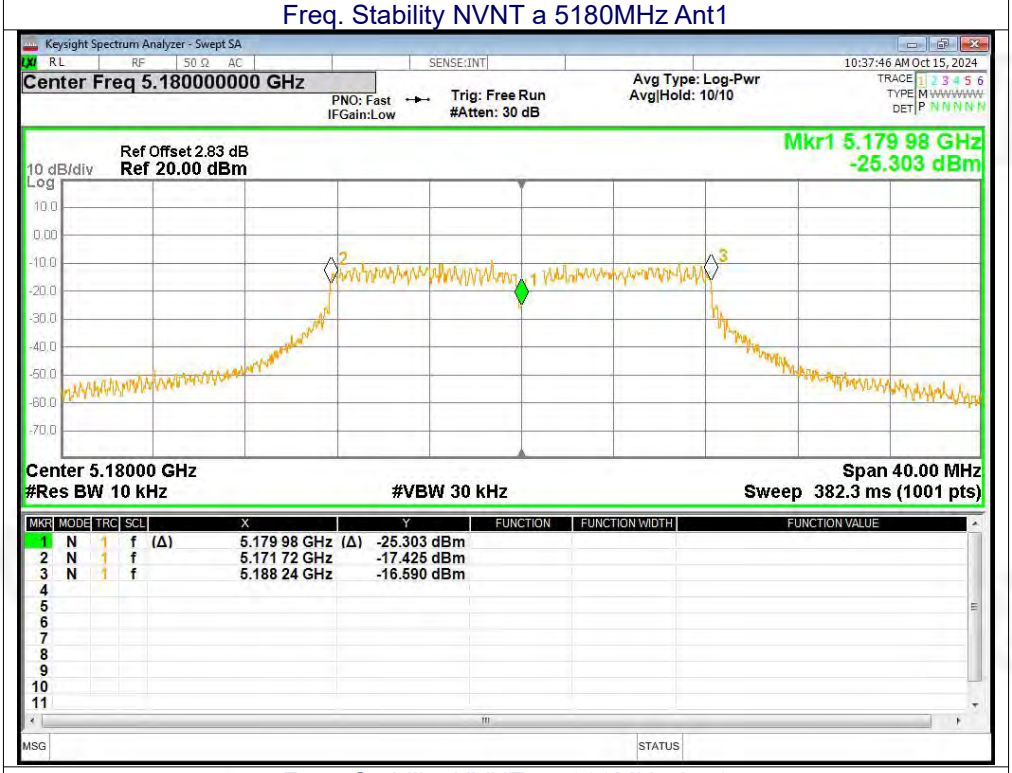
ac20	5240	NV	-20	0	0	Within 5150-5250MHz	Pass
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	40	0	0		
		NV	60	0	0		
		NV	70	0	0		
N40	5190	NV	-20	0	0		
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	40	0	0		
		NV	60	0	0		
		NV	70	0	0		
	5230	NV	-20	40000	7.65		
		NV	-10	40000	7.65		
		NV	0	40000	7.65		
		NV	20	40000	7.65		
		NV	40	40000	7.65		
		NV	60	40000	7.65		
		NV	70	40000	7.65		
ac40	5190	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		
	5230	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		

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		

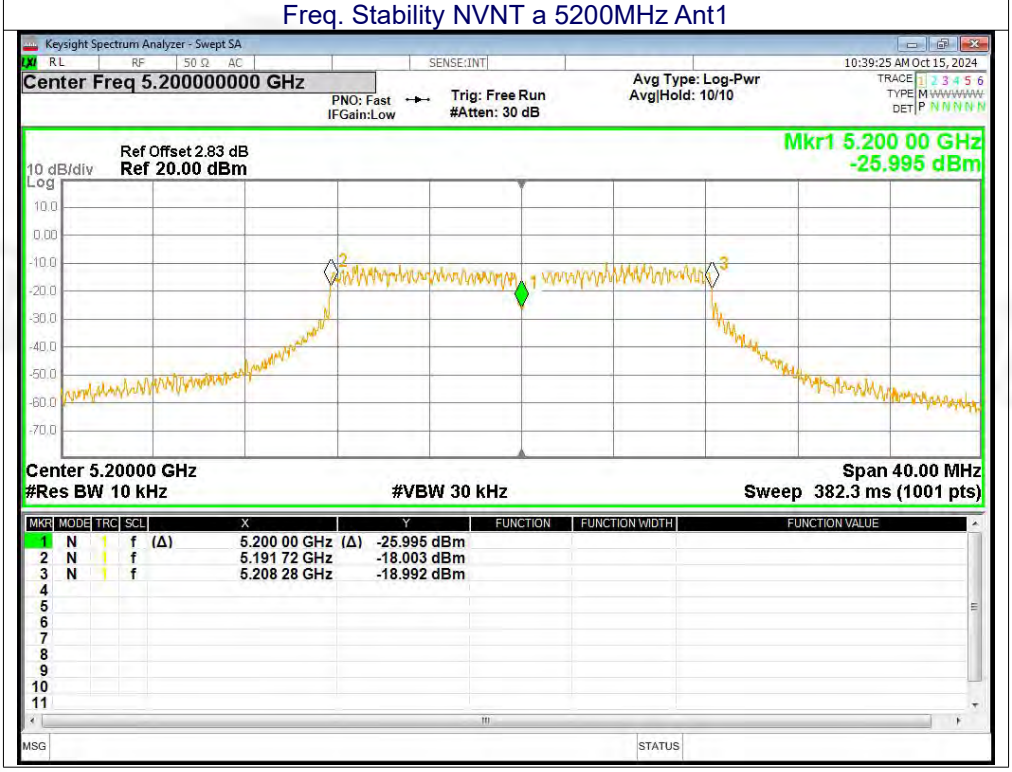
Note:Test temperature:−20°to + 70°. At room temperature, the test results are the worst, only reflecting the test results graphs at room temperature.

Test Graphs

Freq. Stability NVNT a 5180MHz Ant1



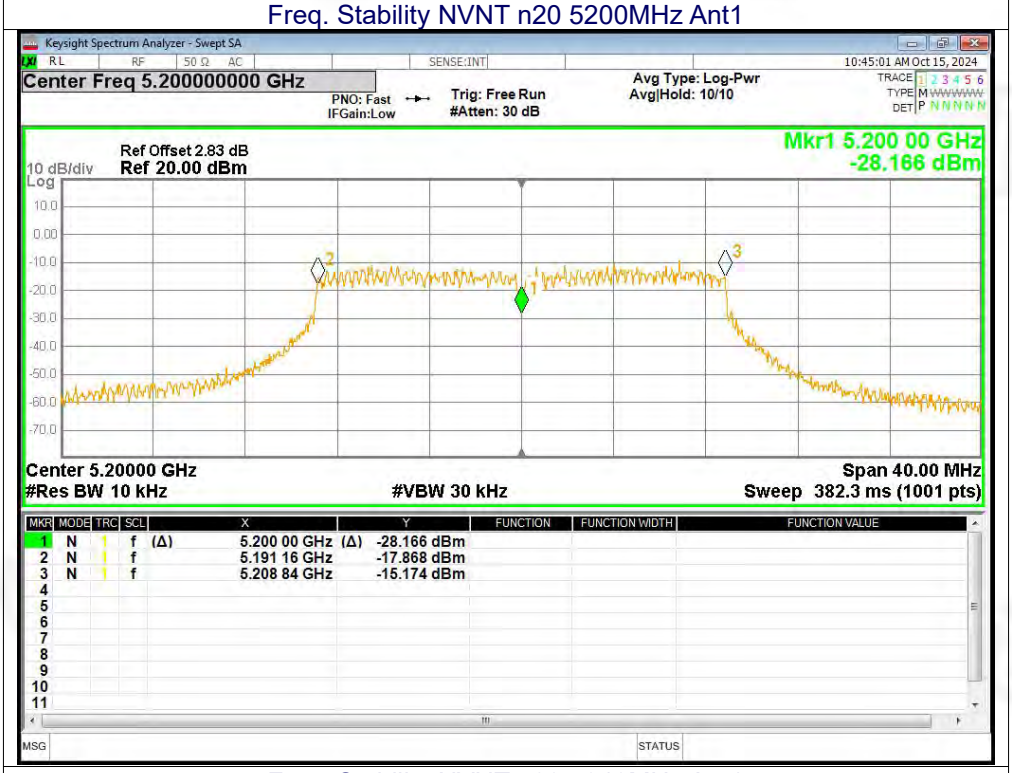
Freq. Stability NVNT a 5200MHz Ant1



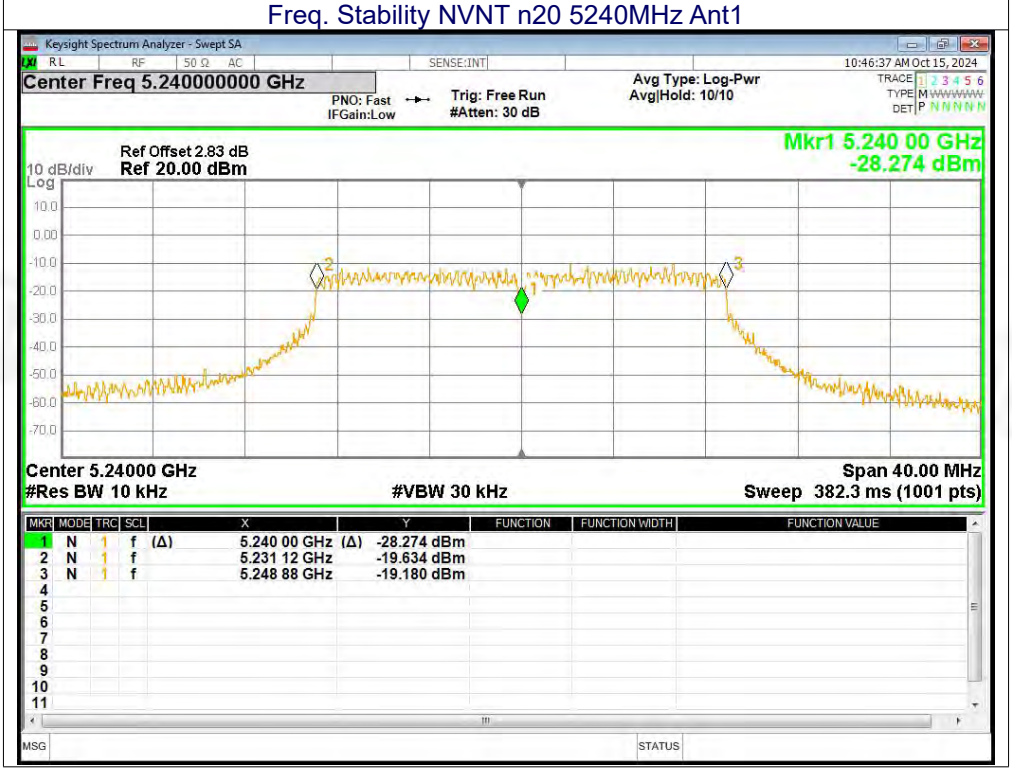
Freq. Stability NVNT a 5240MHz Ant1

Freq. Stability NVNT n20 5180MHz Ant1

Freq. Stability NVNT n20 5200MHz Ant1

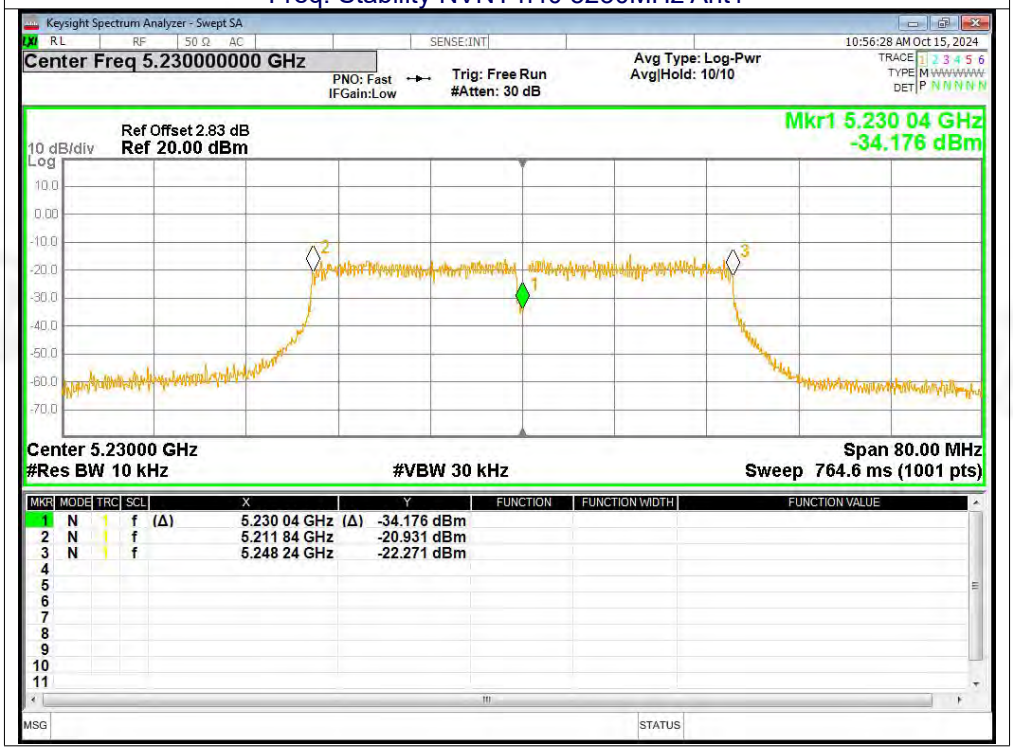


Freq. Stability NVNT n20 5240MHz Ant1

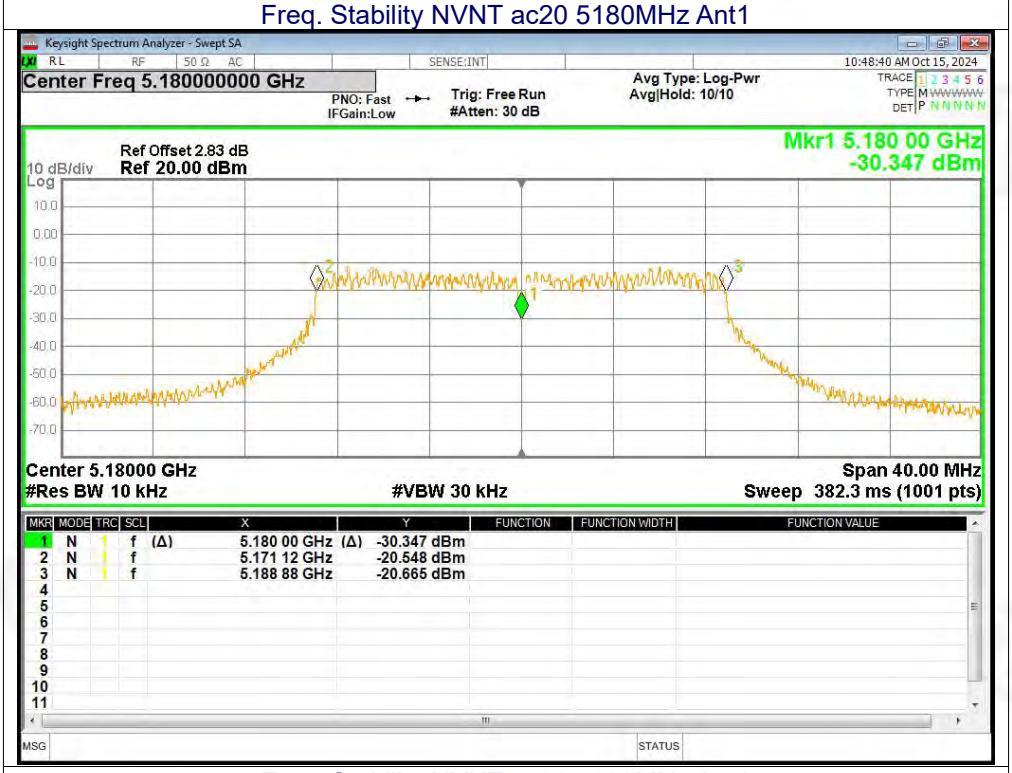


Freq. Stability NVNT n40 5190MHz Ant1

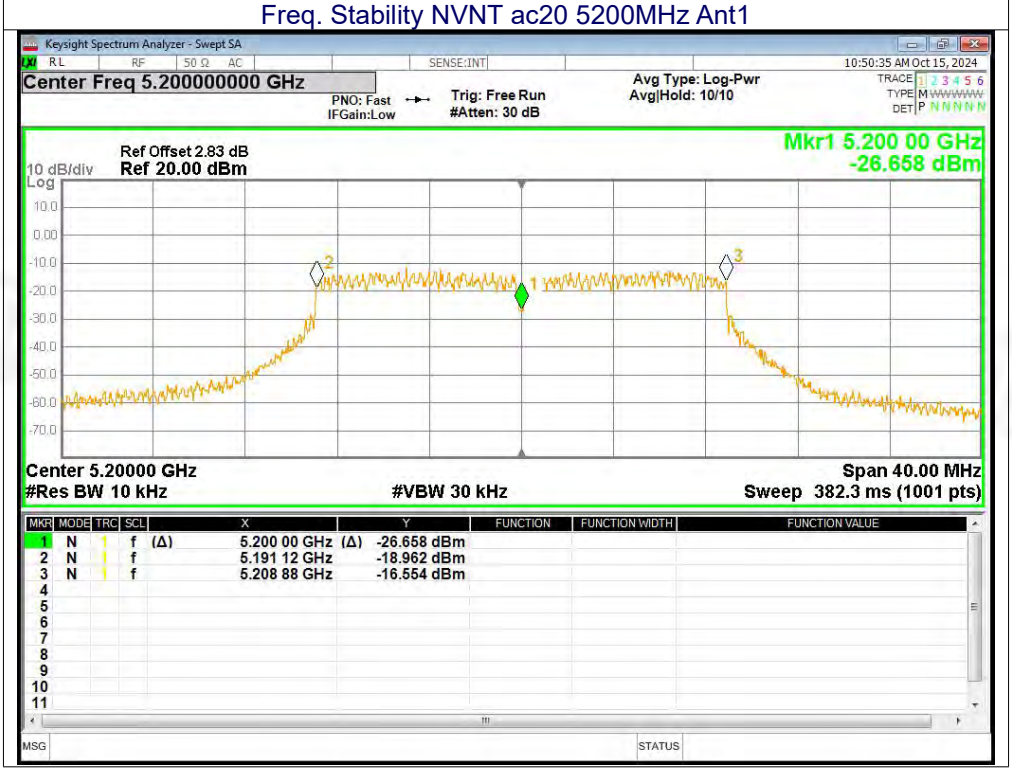
Freq. Stability NVNT n40 5230MHz Ant1



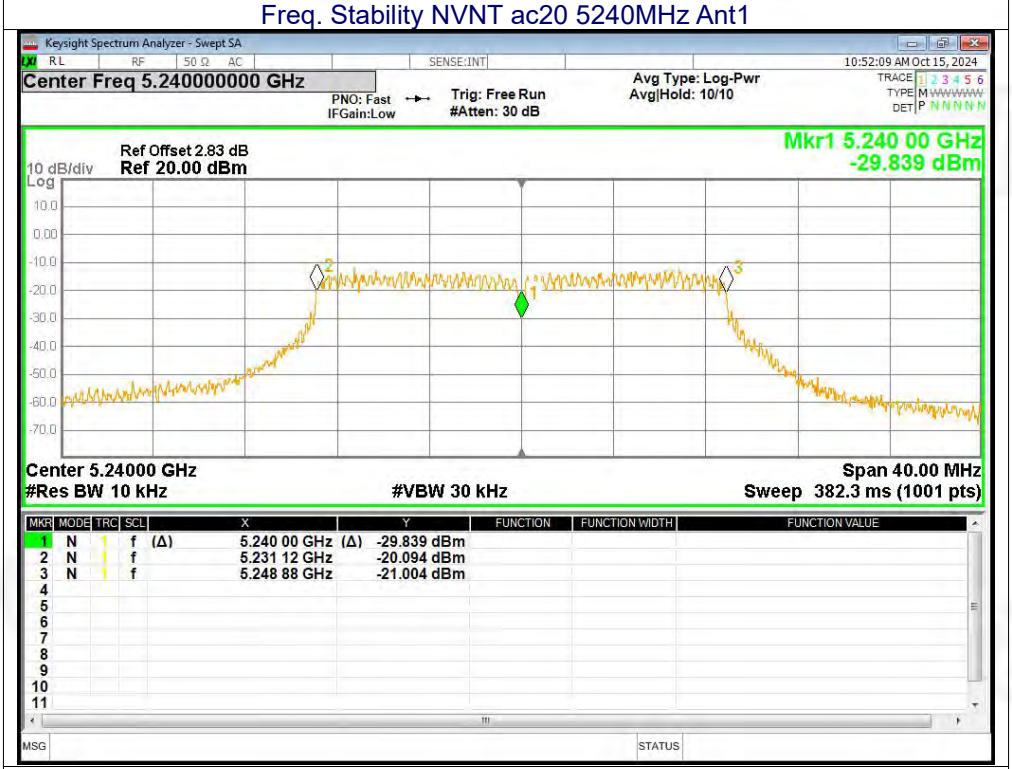
Freq. Stability NVNT ac20 5180MHz Ant1



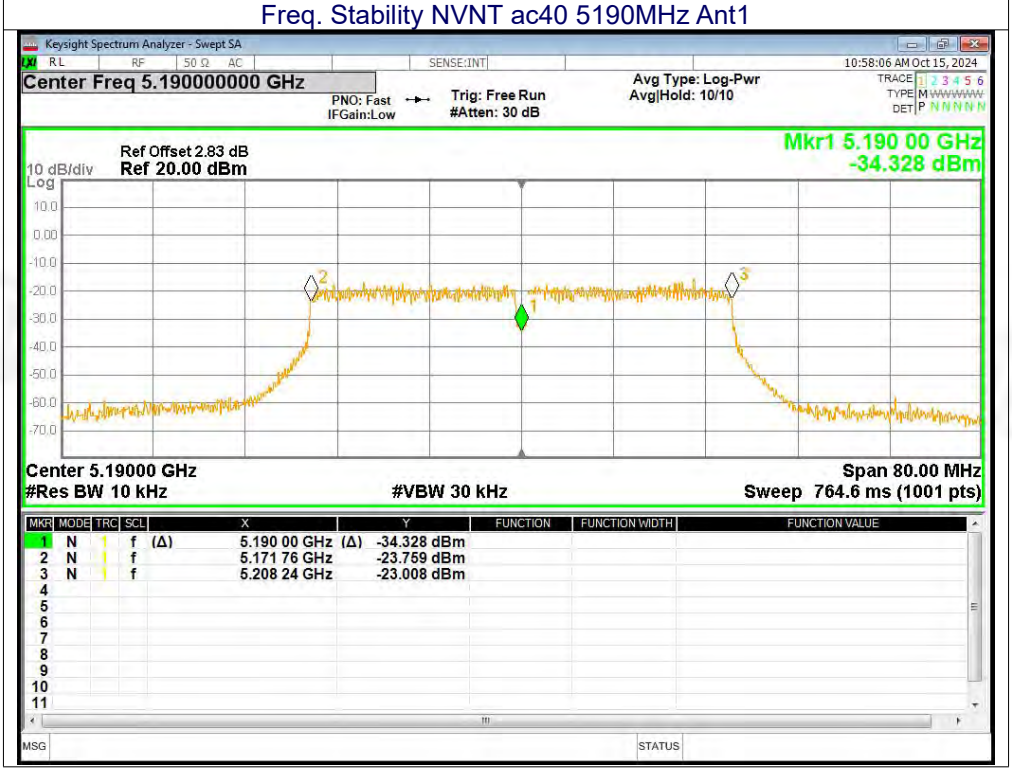
Freq. Stability NVNT ac20 5200MHz Ant1



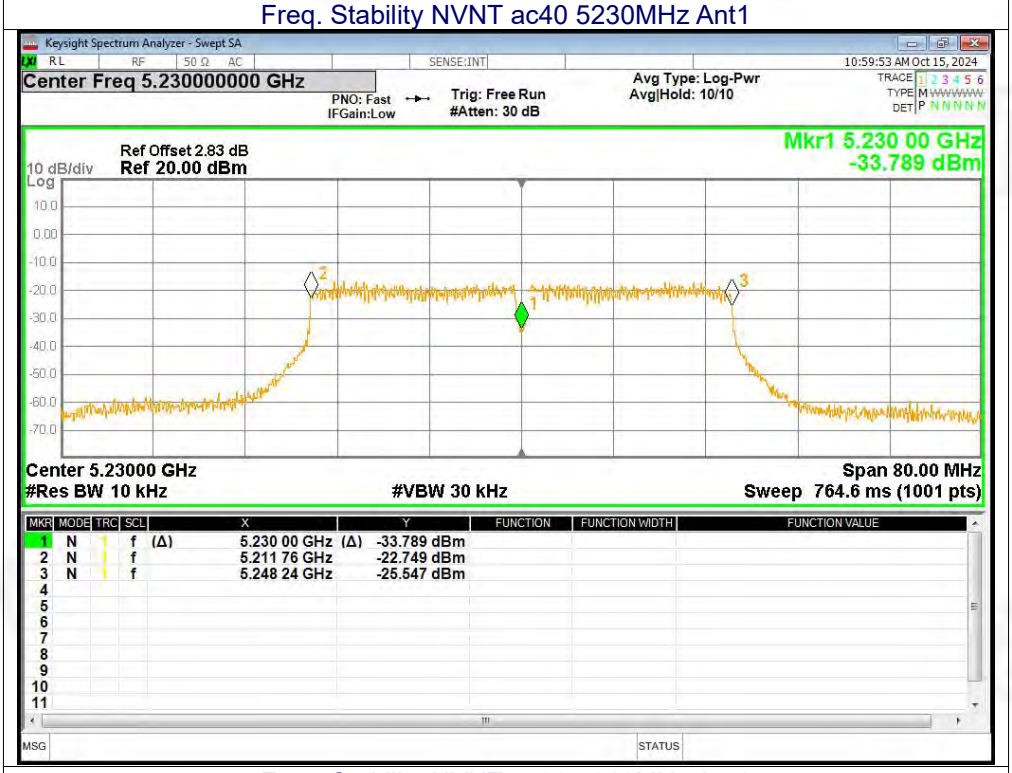
Freq. Stability NVNT ac20 5240MHz Ant1



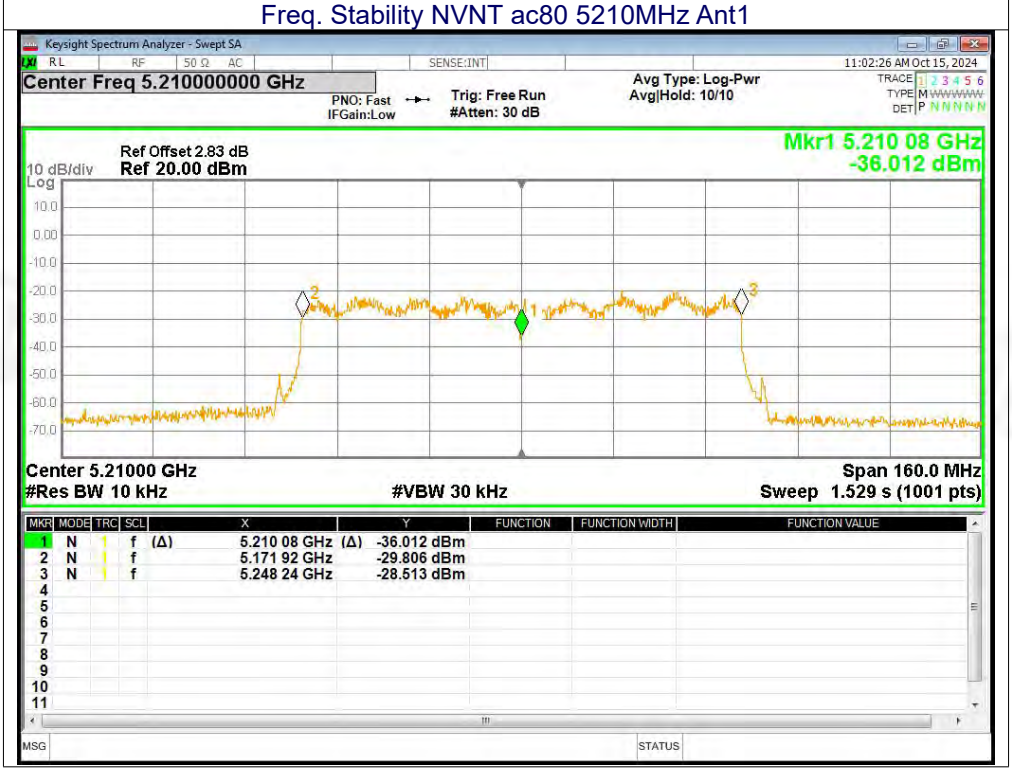
Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ac80 5210MHz Ant1



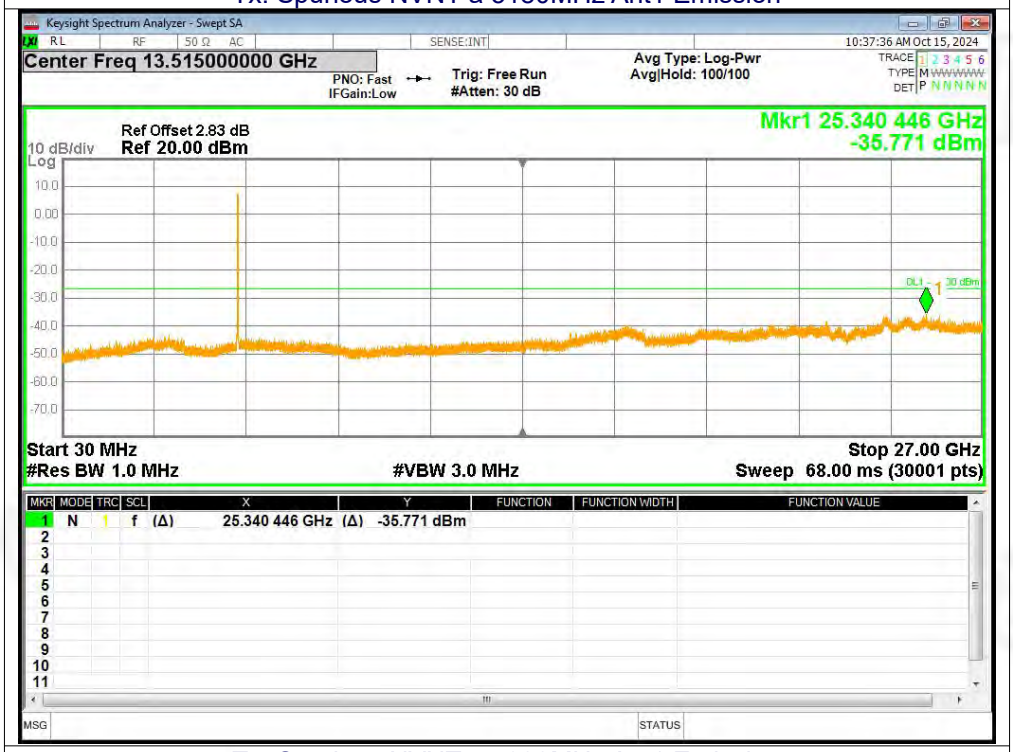
A.8 Conducted RF Spurious Emission

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	-35.77	-27	Pass
a	5200	-35.63	-27	Pass
a	5240	-36.42	-27	Pass
n20	5180	-35.91	-27	Pass
n20	5200	-36.19	-27	Pass
n20	5240	-35.96	-27	Pass
n40	5190	-35.84	-27	Pass
n40	5230	-35.97	-27	Pass
ac20	5180	-35.52	-27	Pass
ac20	5200	-36.24	-27	Pass
ac20	5240	-36.42	-27	Pass
ac40	5190	-35.64	-27	Pass
ac40	5230	-36.33	-27	Pass
ac80	5210	-35.84	-27	Pass

Note:Antenna gain and line loss have been added to the test results.

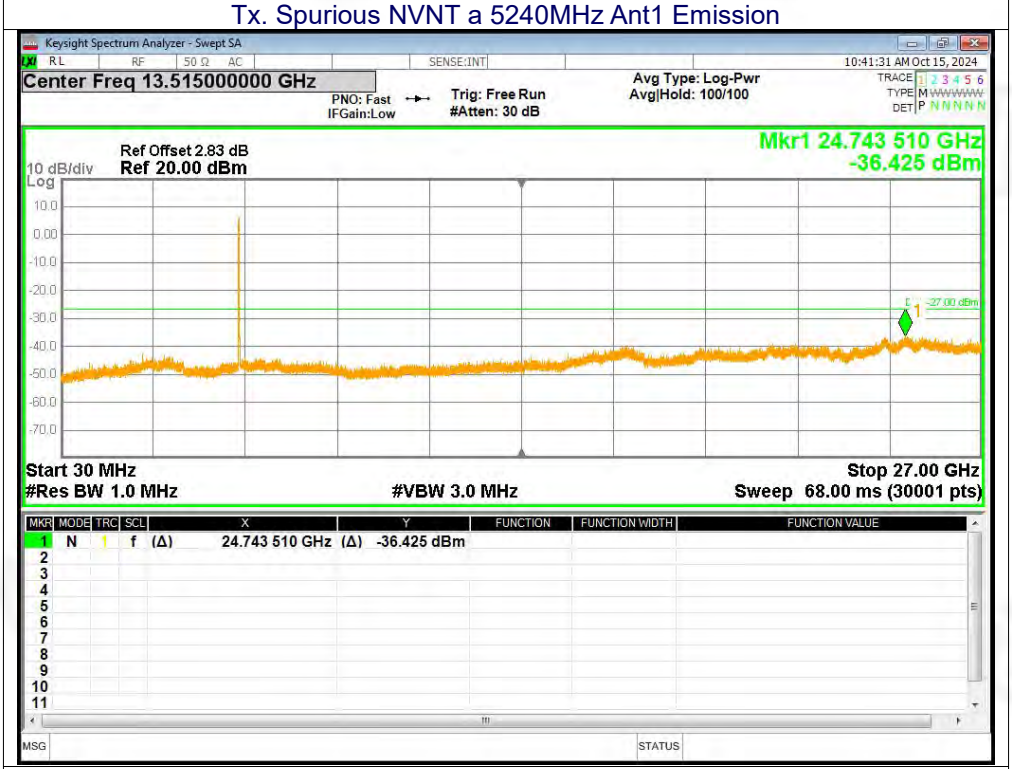
Test Graphs

Tx. Spurious NVNT a 5180MHz Ant1 Emission

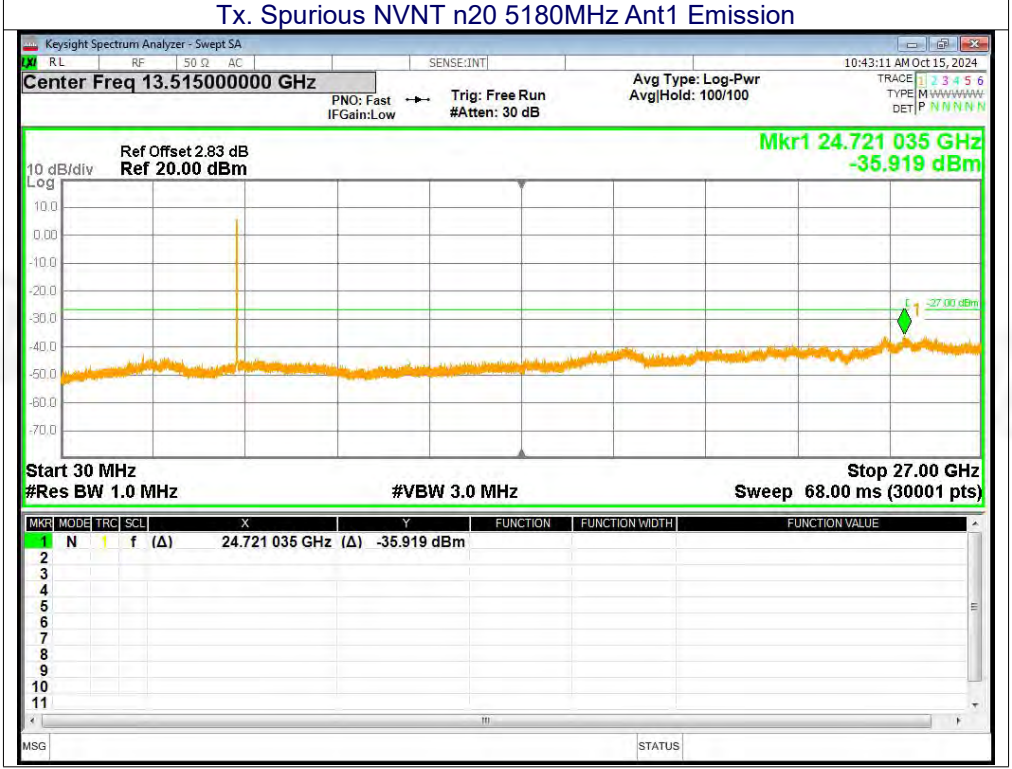


Tx. Spurious NVNT a 5200MHz Ant1 Emission

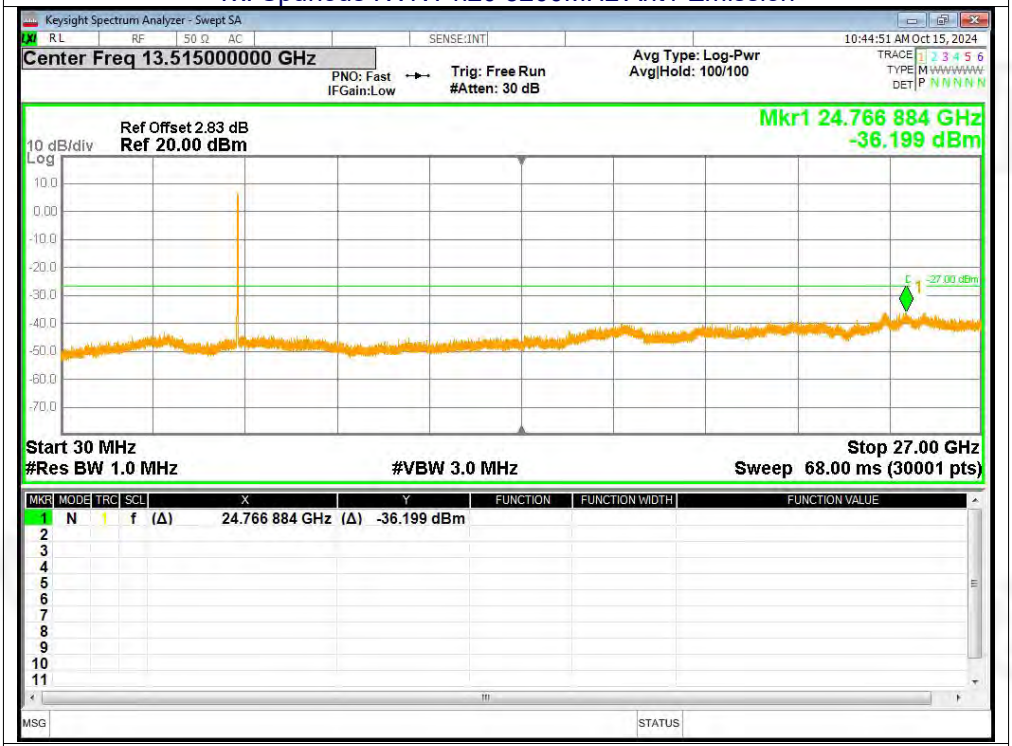
Tx. Spurious NVNT a 5240MHz Ant1 Emission



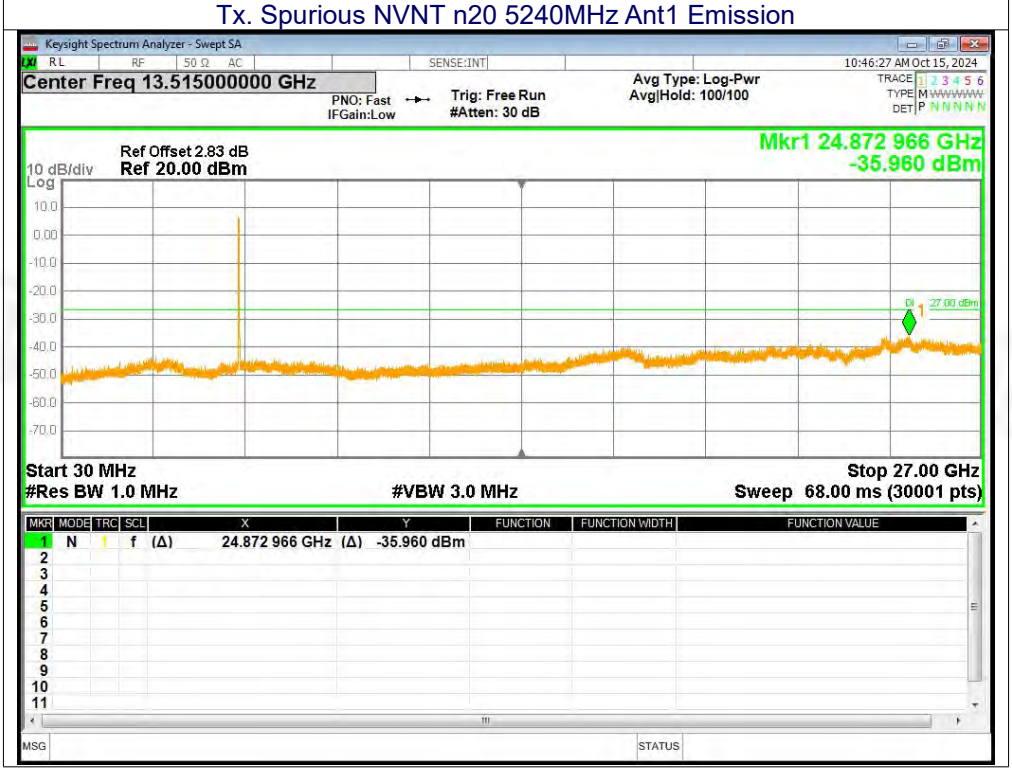
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



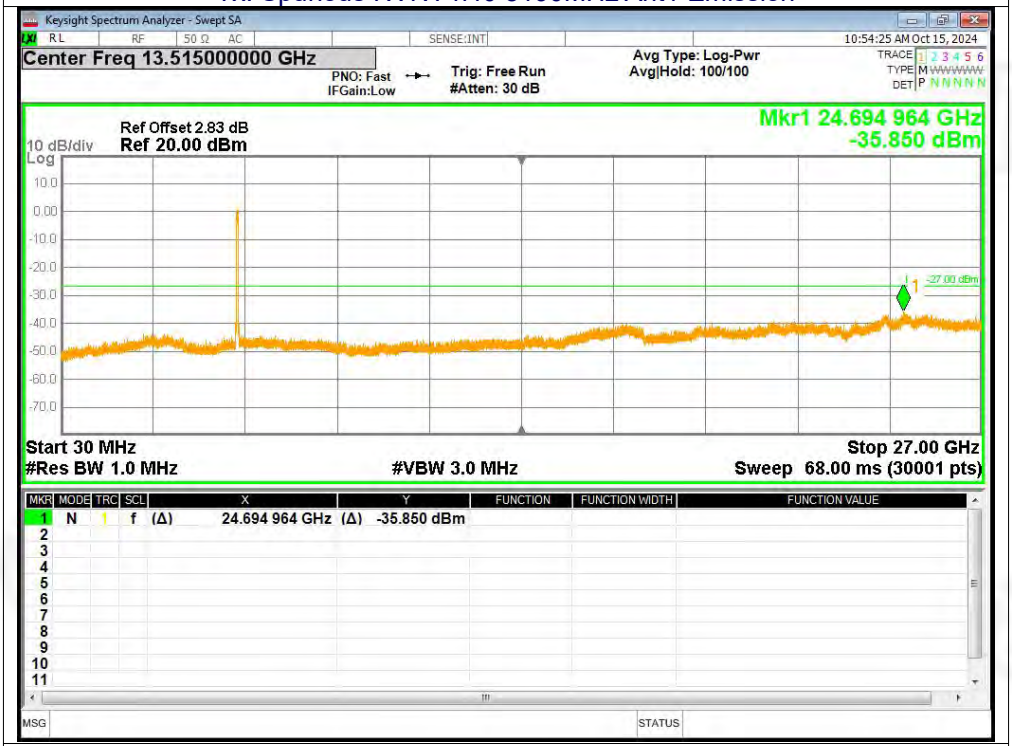
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



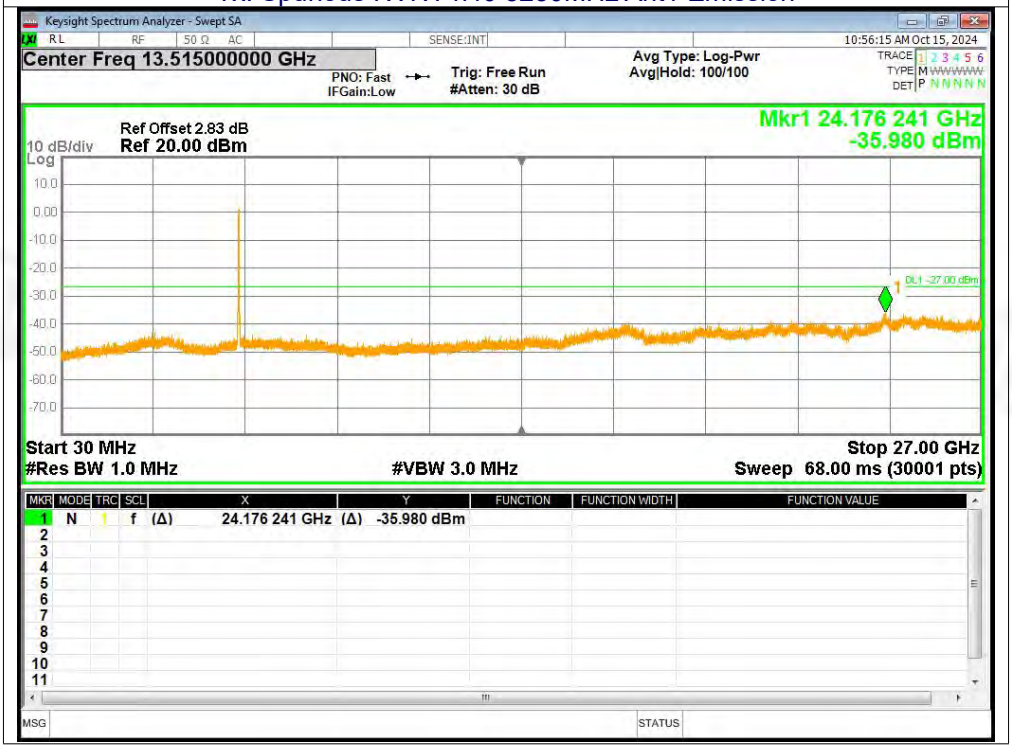
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



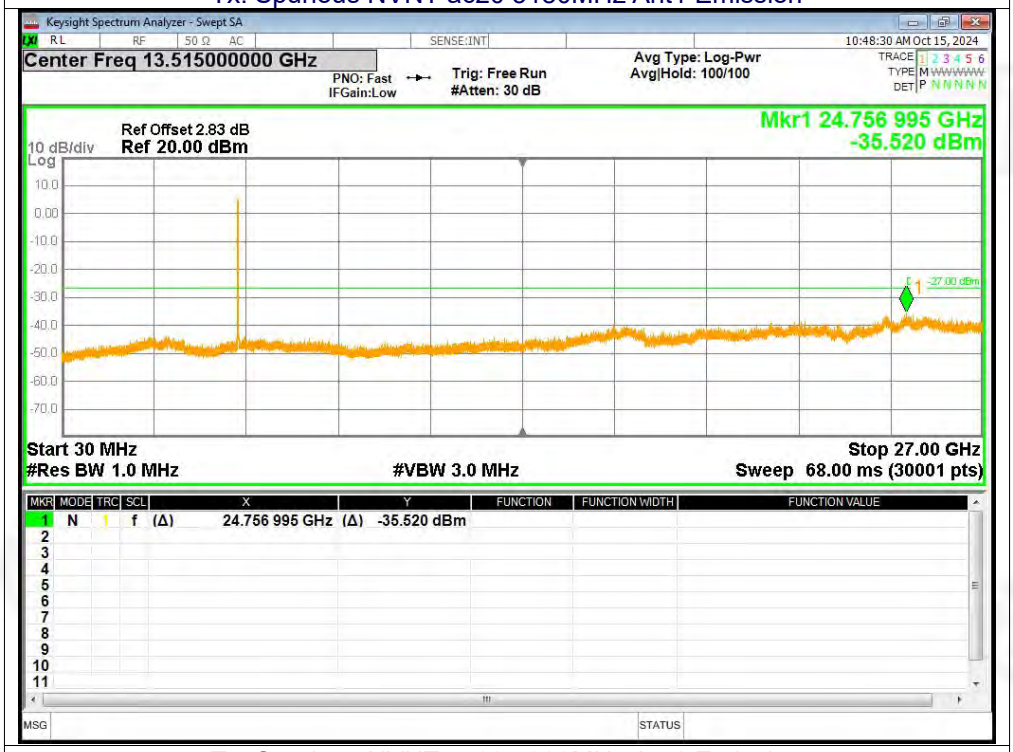
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission

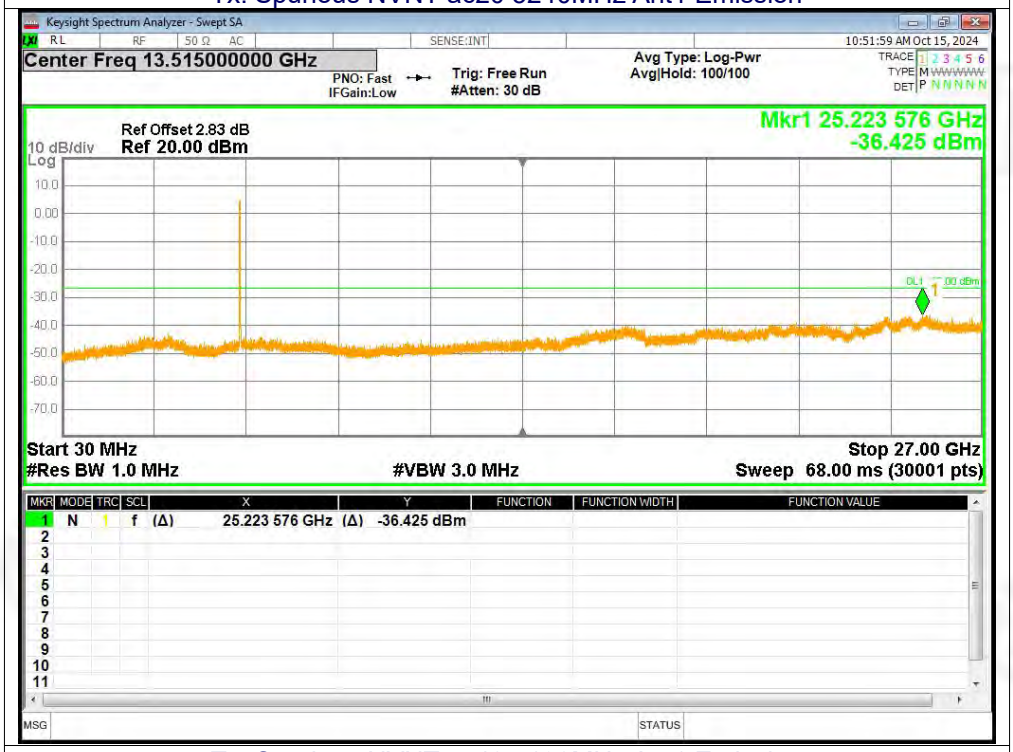


Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



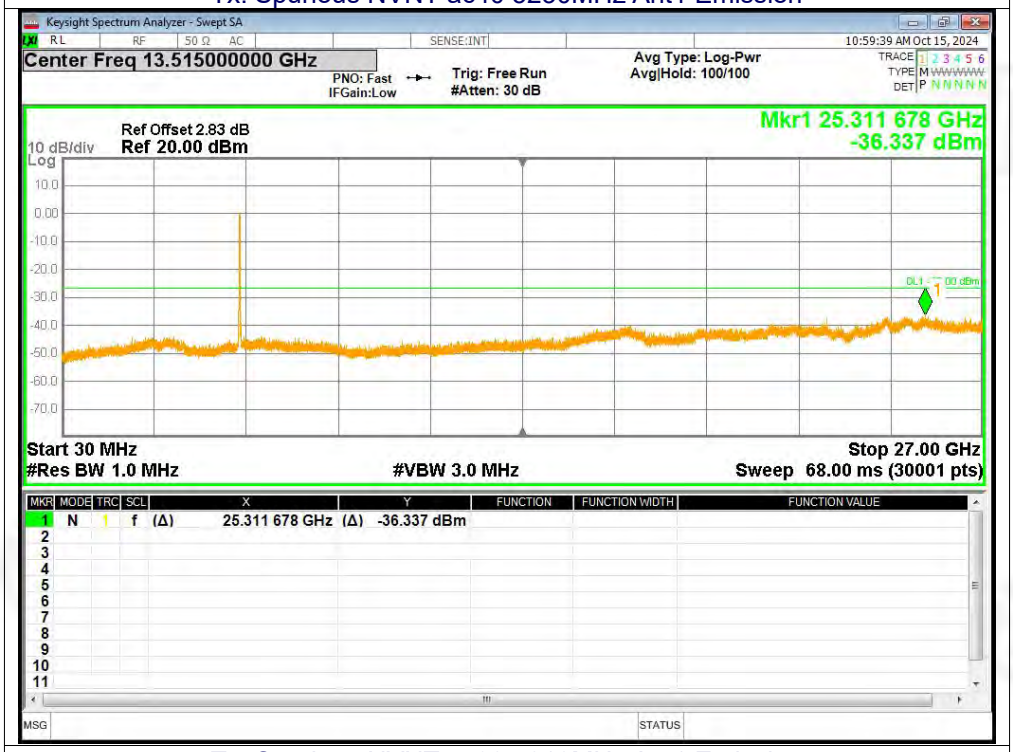
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission

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

16. TEST SETUP PHOTO

Reference to the appendix I for details.

17. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

※※※※※ END OF REPORT ※※※※※