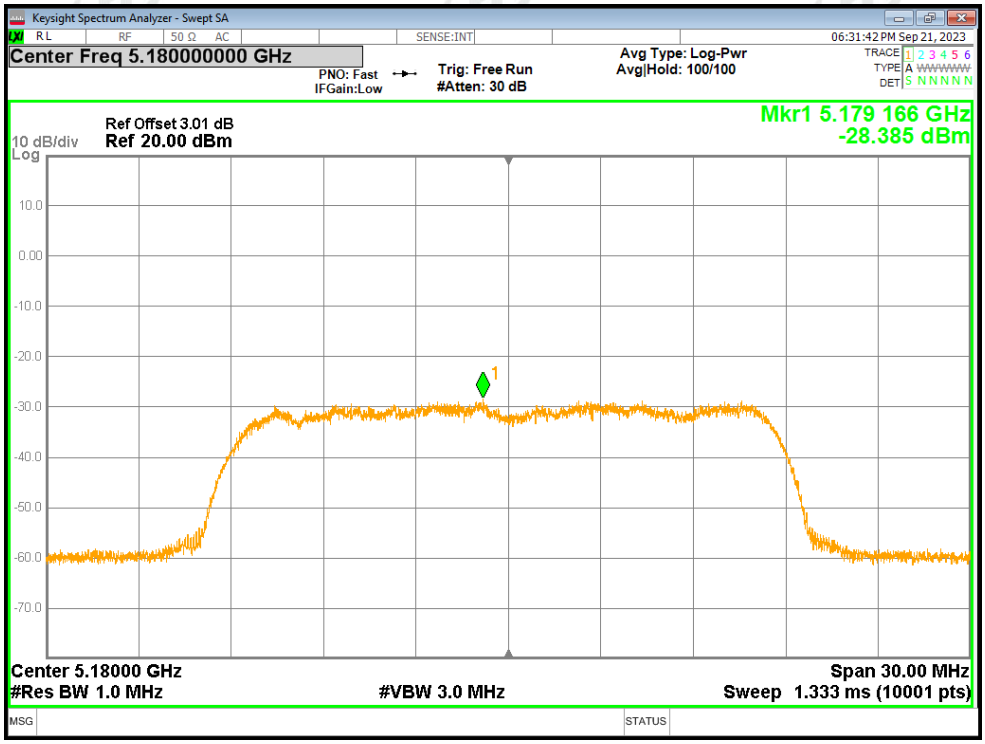
B5.Maximum Power Spectral Density Level

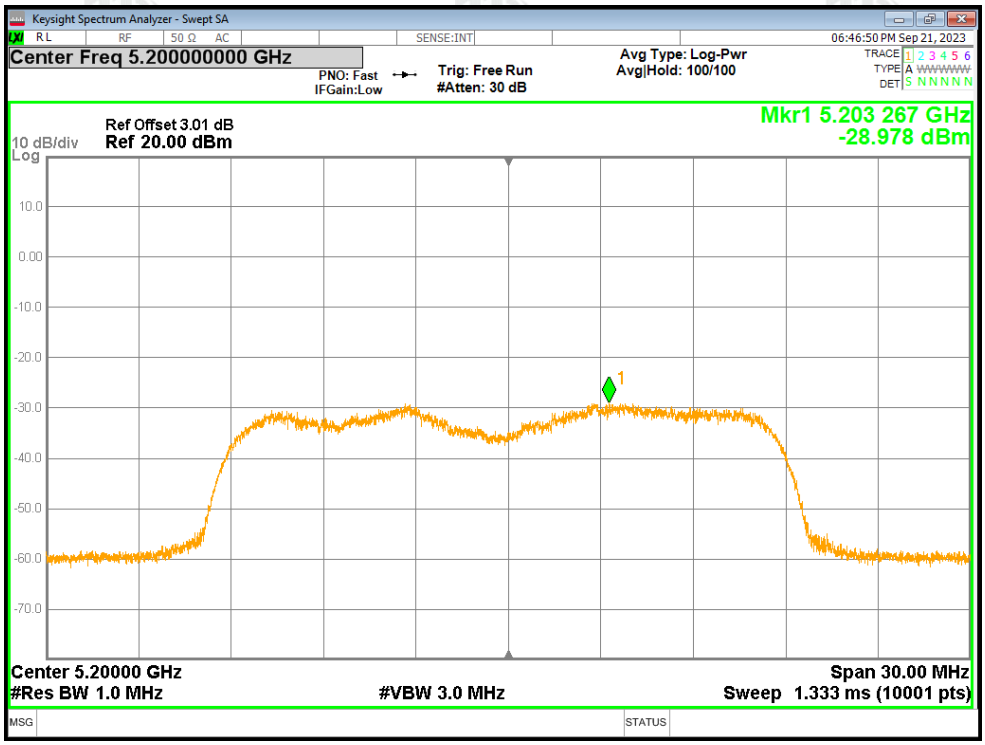
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-28.39	0.12	-28.27	11	Pass
NVNT	a	5200	Ant1	-28.98	0.09	-28.89	11	Pass
NVNT	a	5240	Ant1	-25.88	0.12	-25.76	11	Pass
NVNT	n20	5180	Ant1	-27.09	0.09	-27	11	Pass
NVNT	n20	5200	Ant1	-25.38	0.09	-25.29	11	Pass
NVNT	n20	5240	Ant1	-26.85	0.12	-26.73	11	Pass
NVNT	n40	5190	Ant1	-30	0.16	-29.84	11	Pass
NVNT	n40	5230	Ant1	-29.43	0.2	-29.23	11	Pass
NVNT	ac20	5180	Ant1	-27.85	0.09	-27.76	11	Pass
NVNT	ac20	5200	Ant1	-26.2	0.12	-26.08	11	Pass
NVNT	ac20	5240	Ant1	-26.98	0.09	-26.89	11	Pass
NVNT	ac40	5190	Ant1	-31.81	0.33	-31.48	11	Pass
NVNT	ac40	5230	Ant1	-29.15	0.2	-28.95	11	Pass
NVNT	ac80	5210	Ant1	-35.62	0.11	-35.51	11	Pass
NVNT	a	5180	Ant2	-26.23	0.12	-26.11	11	Pass
NVNT	a	5200	Ant2	-28.82	0.12	-28.7	11	Pass
NVNT	a	5240	Ant2	-28.18	0.09	-28.09	11	Pass
NVNT	n20	5180	Ant2	-27.13	0.09	-27.04	11	Pass
NVNT	n20	5200	Ant2	-25.38	0.09	-25.29	11	Pass
NVNT	n20	5240	Ant2	-27.41	0.12	-27.29	11	Pass
NVNT	n40	5190	Ant2	-32.26	0.16	-32.1	11	Pass
NVNT	n40	5230	Ant2	-29.83	0.2	-29.63	11	Pass
NVNT	ac20	5180	Ant2	-26.54	0.09	-26.45	11	Pass
NVNT	ac20	5200	Ant2	-28.9	0.09	-28.81	11	Pass
NVNT	ac20	5240	Ant2	-26.03	0.12	-25.91	11	Pass
NVNT	ac40	5190	Ant2	-30.25	0.29	-29.96	11	Pass
NVNT	ac40	5230	Ant2	-32.55	0.2	-32.35	11	Pass
NVNT	ac80	5210	Ant2	-37.41	0.22	-37.19	11	Pass
NVNT	n20	5180	mimo	/	/	-24.10	11	Pass
NVNT	n20	5200	mimo	/	/	-22.37	11	Pass
NVNT	n20	5240	mimo	/	/	-24.11	11	Pass
NVNT	n40	5190	mimo	/	/	-27.97	11	Pass
NVNT	n40	5230	mimo	/	/	-26.62	11	Pass
NVNT	ac20	5180	mimo	/	/	-24.14	11	Pass
NVNT	ac20	5200	mimo	/	/	-24.33	11	Pass
NVNT	ac20	5240	mimo	/	/	-23.47	11	Pass
NVNT	ac40	5190	mimo	/	/	-27.95	11	Pass
NVNT	ac40	5230	mimo	/	/	-27.52	11	Pass
NVNT	ac80	5210	mimo	/	/	-33.41	11	Pass

Test Graphs

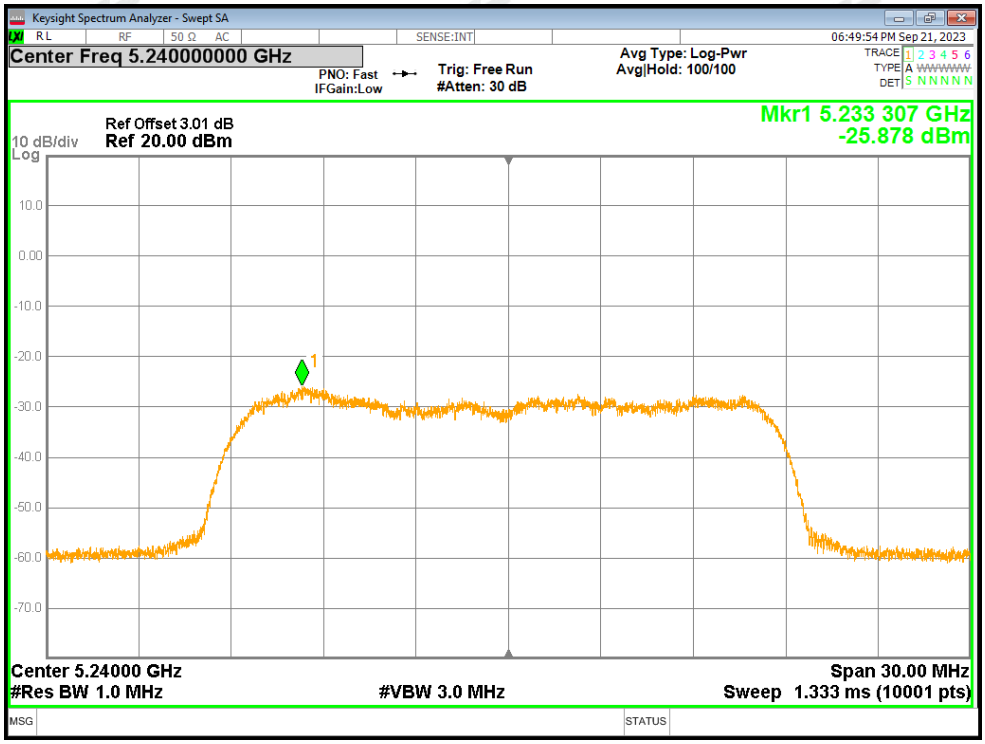
PSD NVNT a 5180MHz Ant1



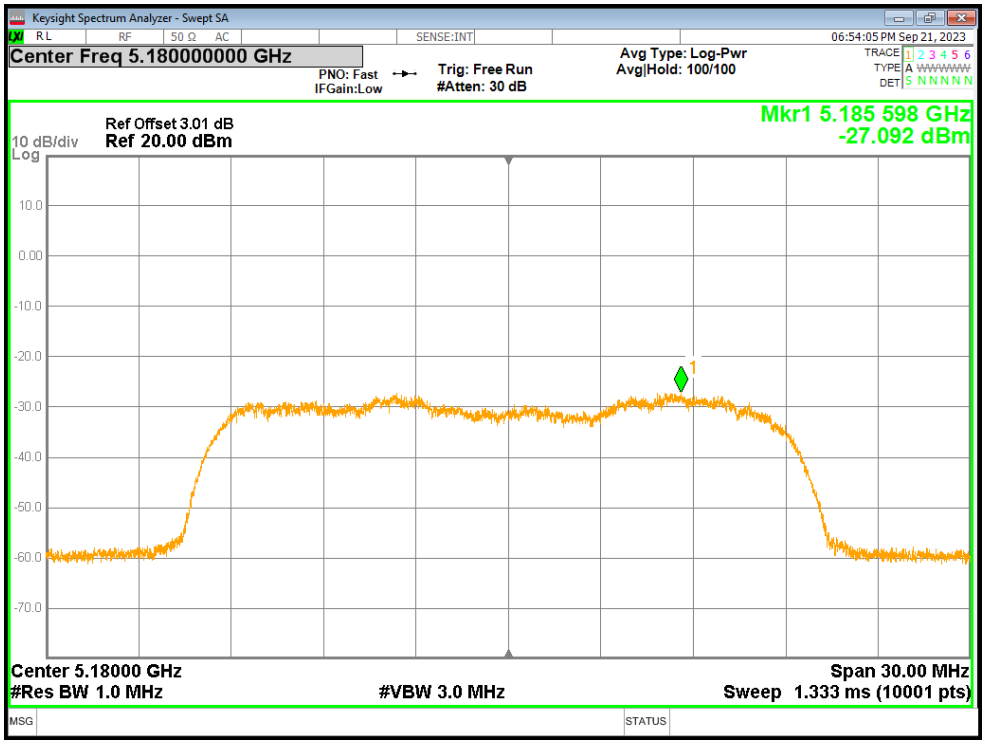
PSD NVNT a 5200MHz Ant1



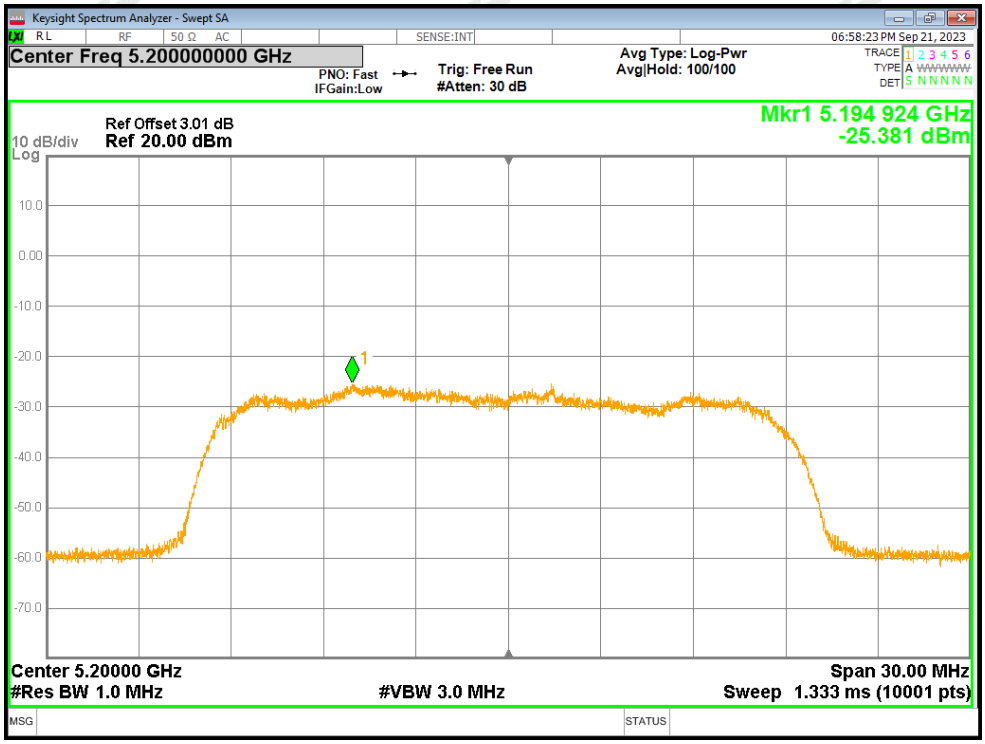
PSD NVNT a 5240MHz Ant1



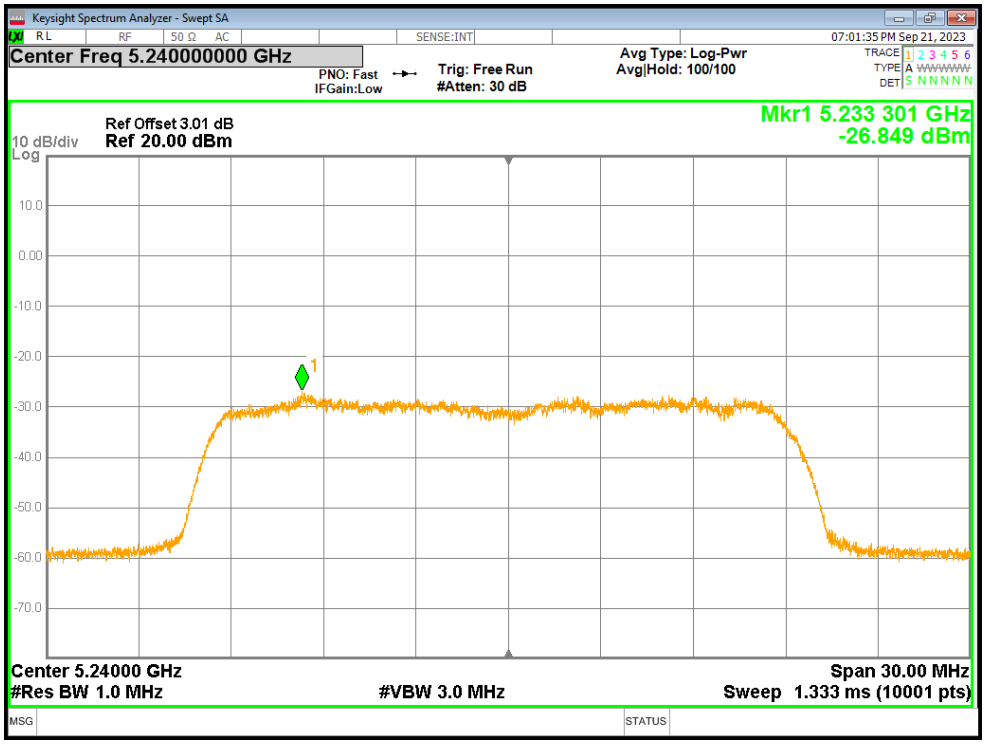
PSD NVNT n20 5180MHz Ant1



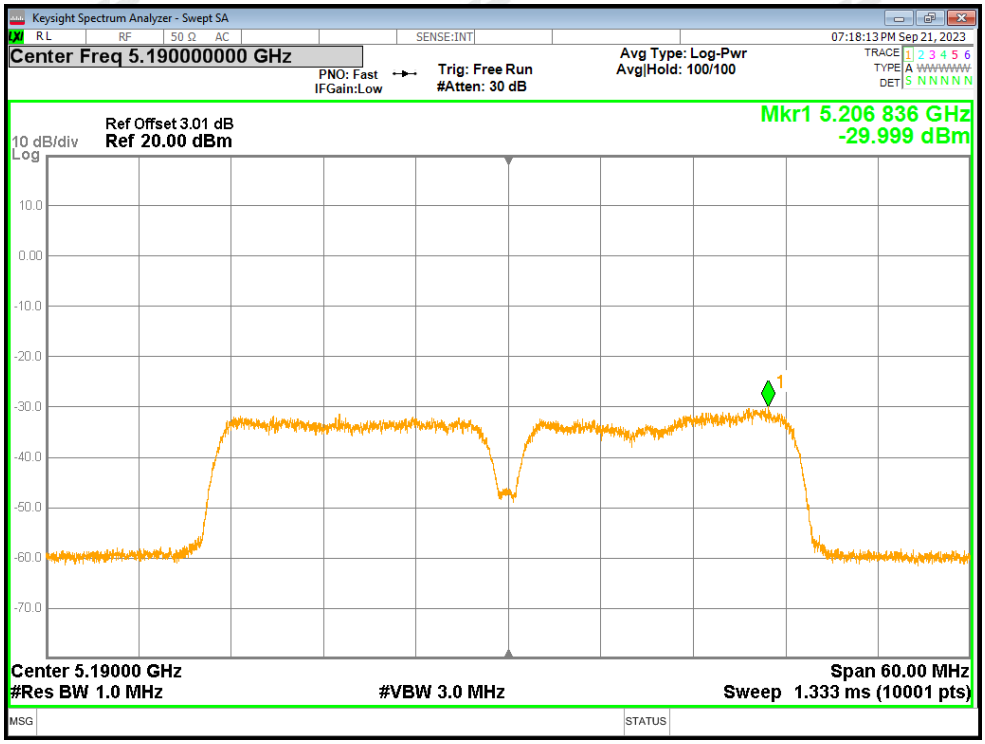
PSD NVNT n20 5200MHz Ant1



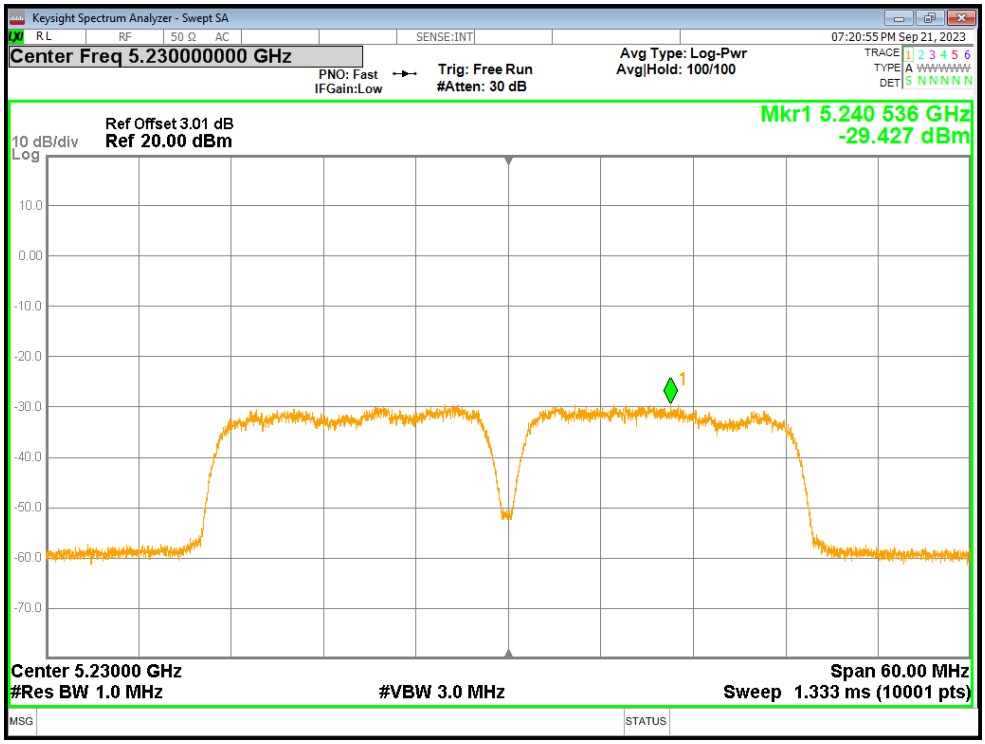
PSD NVNT n20 5240MHz Ant1



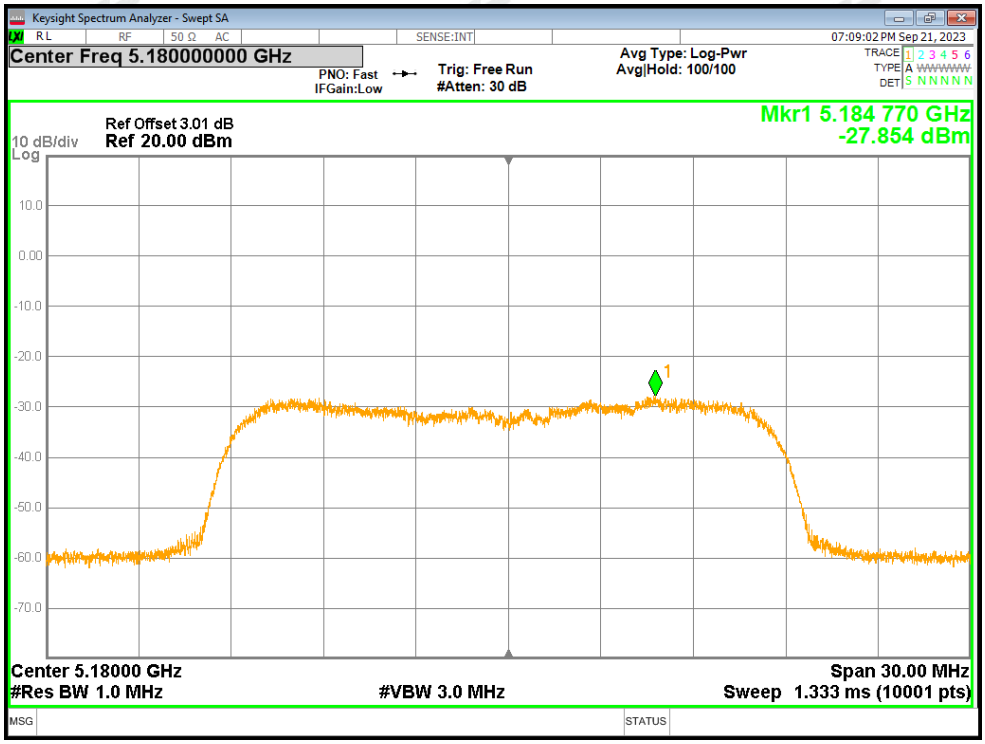
PSD NVNT n40 5190MHz Ant1



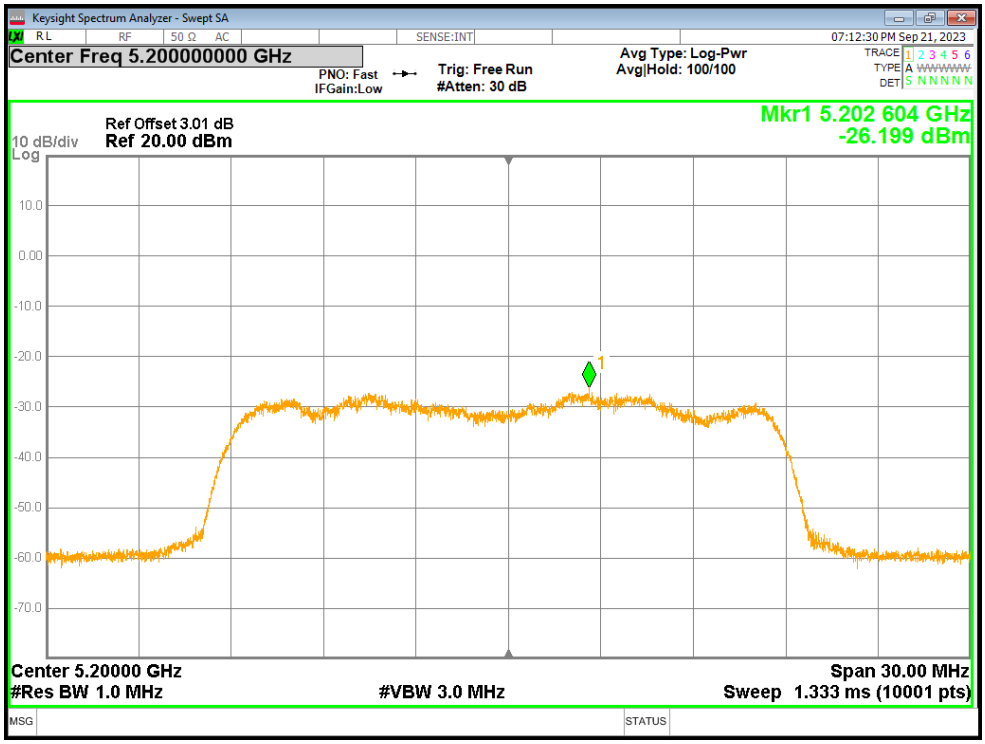
PSD NVNT n40 5230MHz Ant1



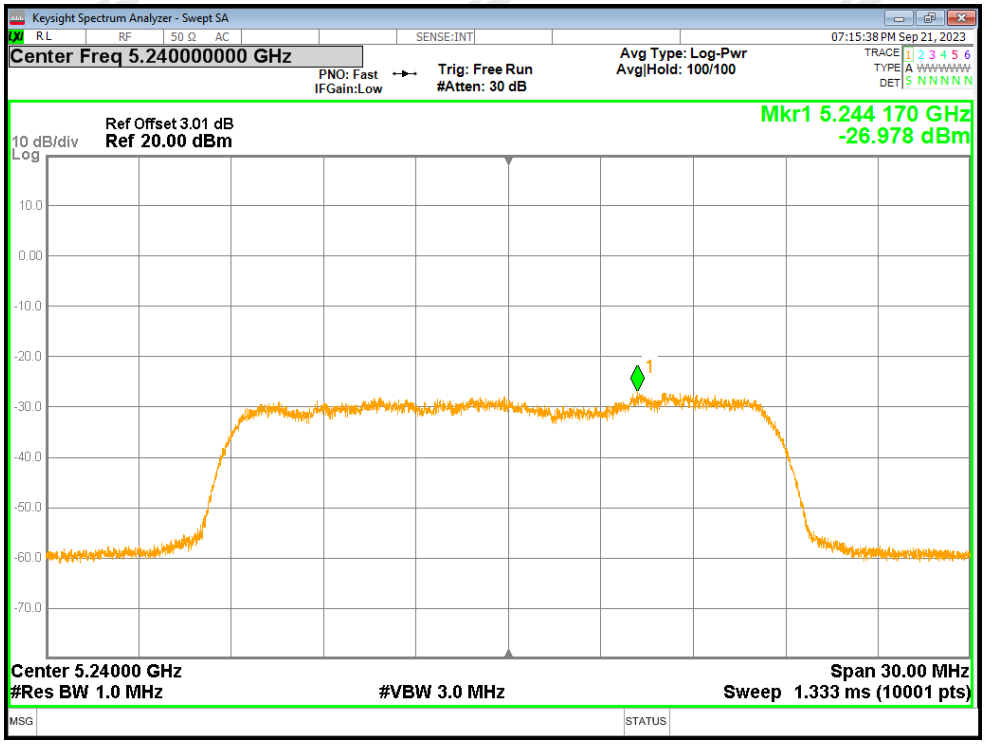
PSD NVNT ac20 5180MHz Ant1



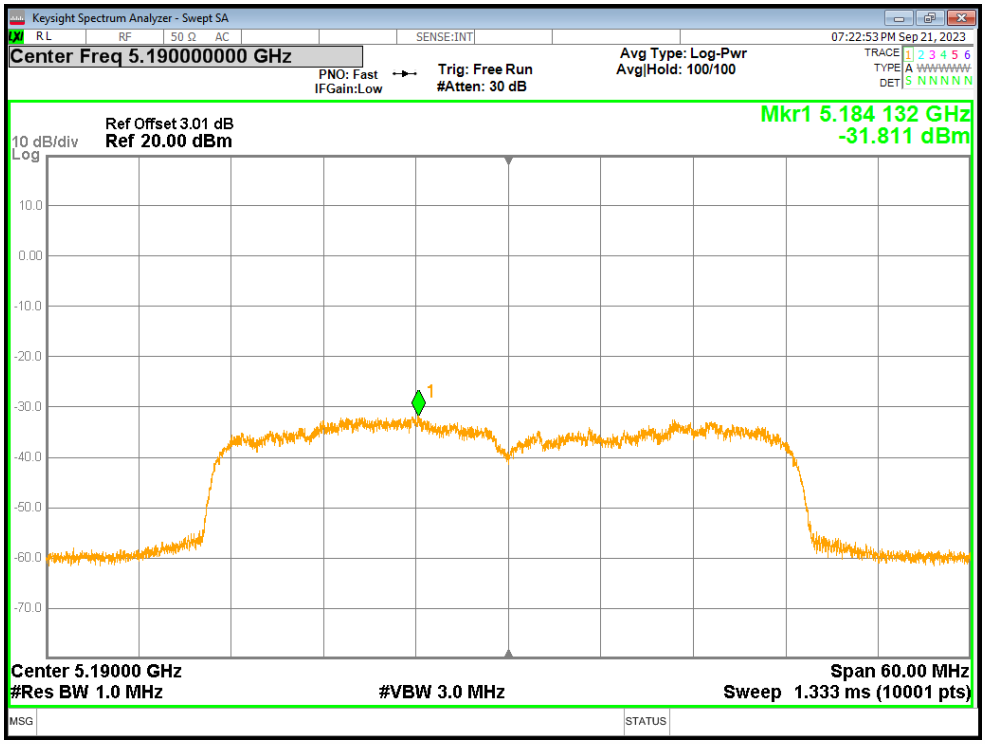
PSD NVNT ac20 5200MHz Ant1



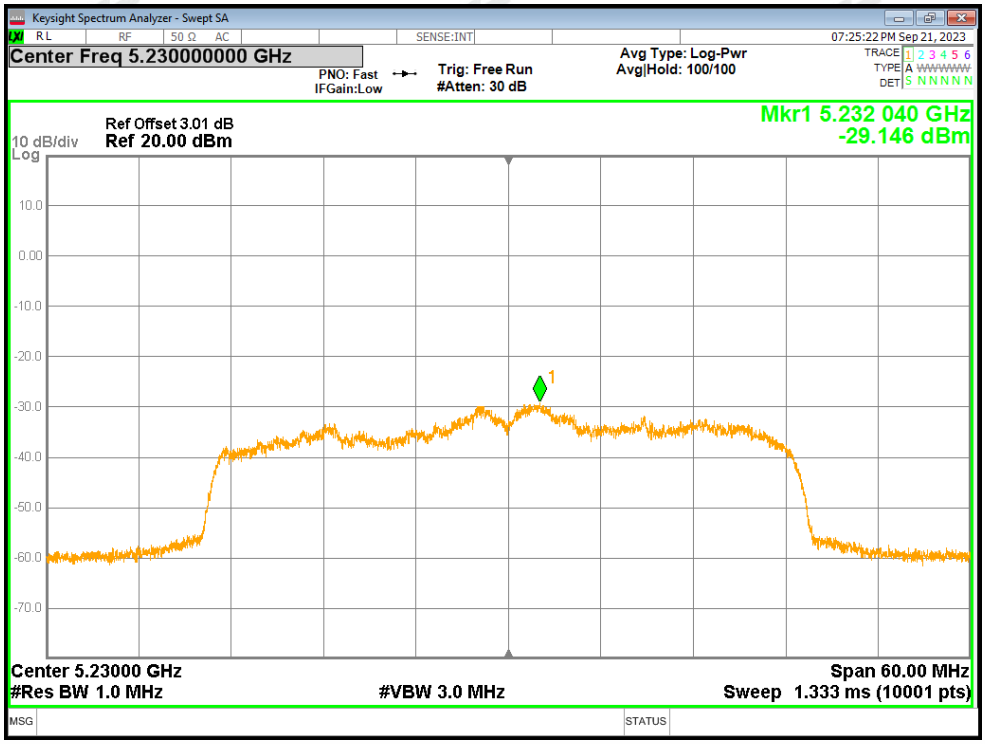
PSD NVNT ac20 5240MHz Ant1



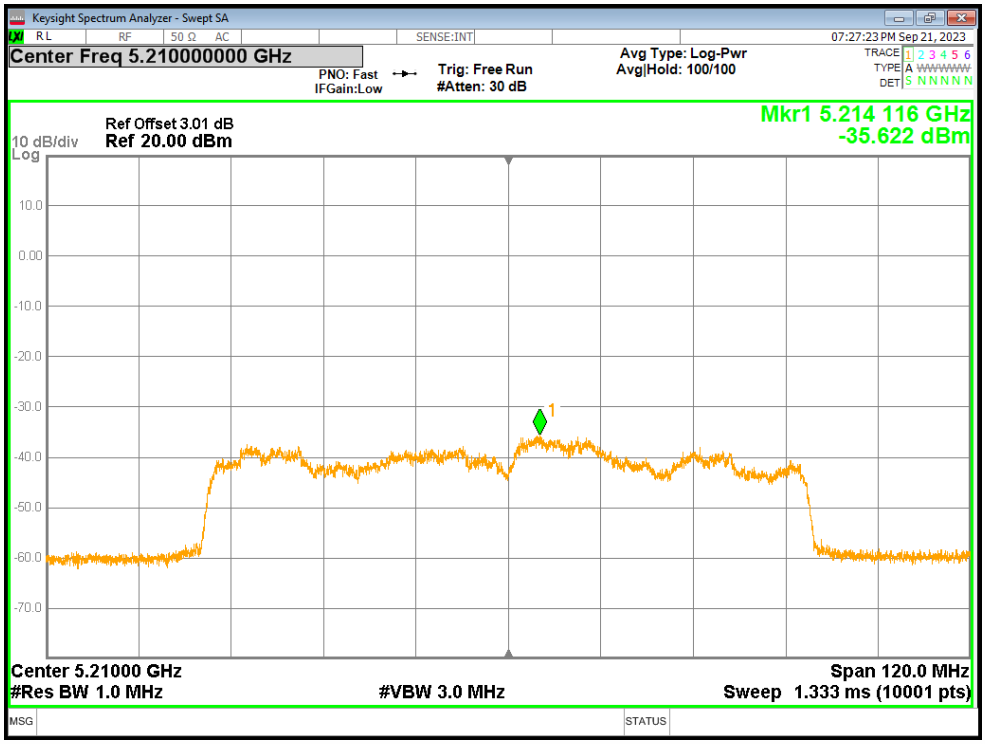
PSD NVNT ac40 5190MHz Ant1



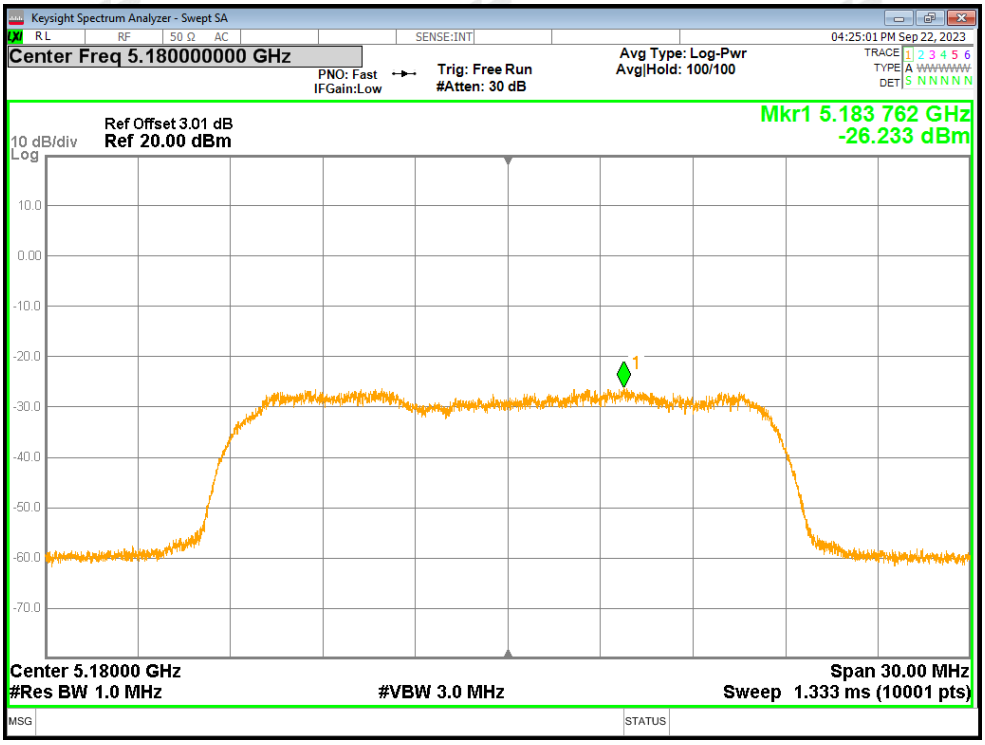
PSD NVNT ac40 5230MHz Ant1



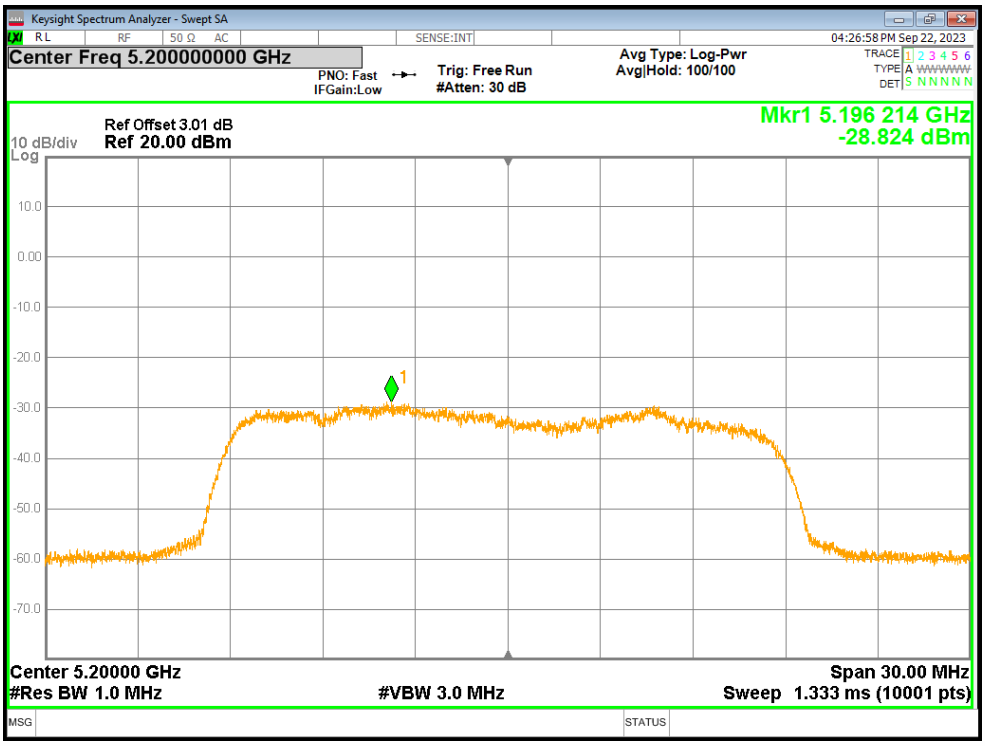
PSD NVNT ac80 5210MHz Ant1



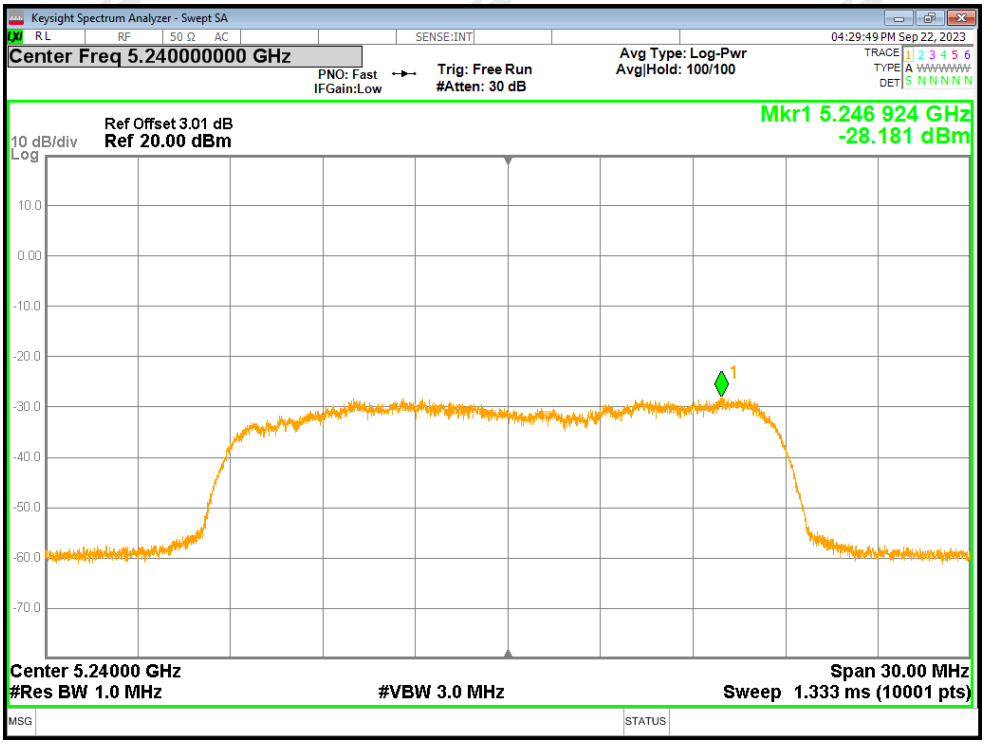
PSD NVNT a 5180MHz Ant2



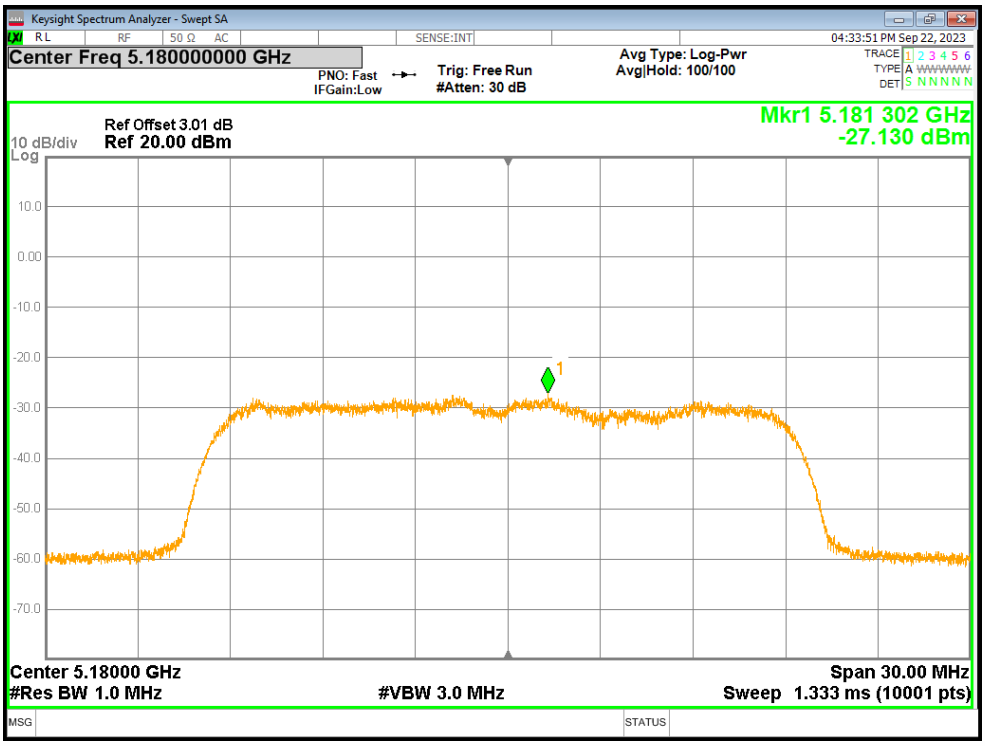
PSD NVNT a 5200MHz Ant2



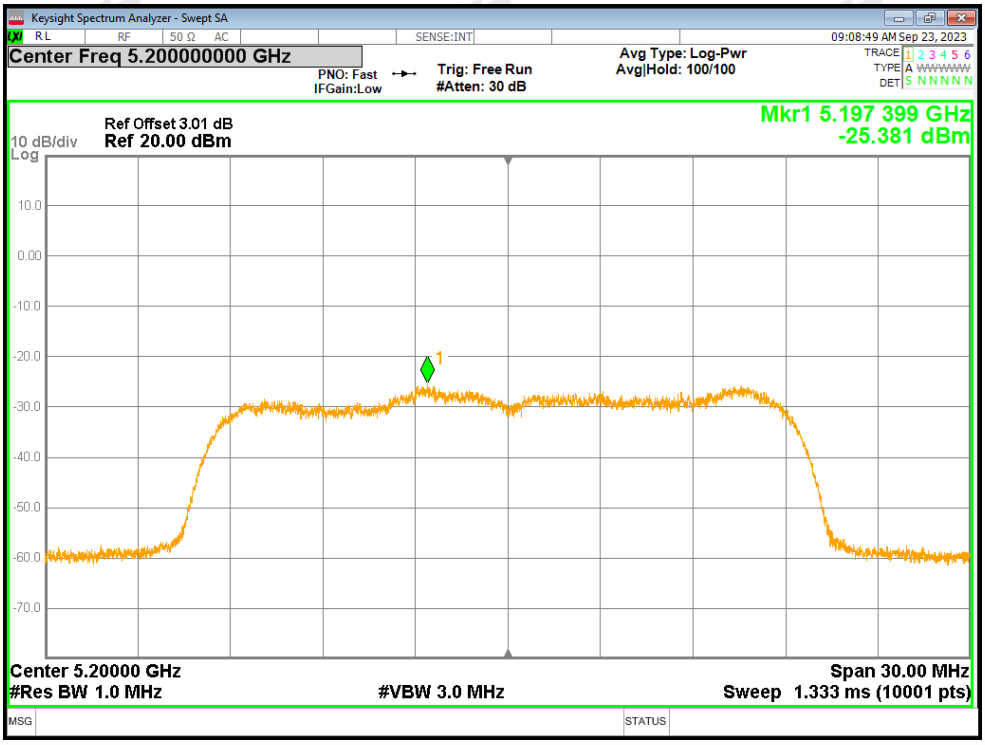
PSD NVNT a 5240MHz Ant2



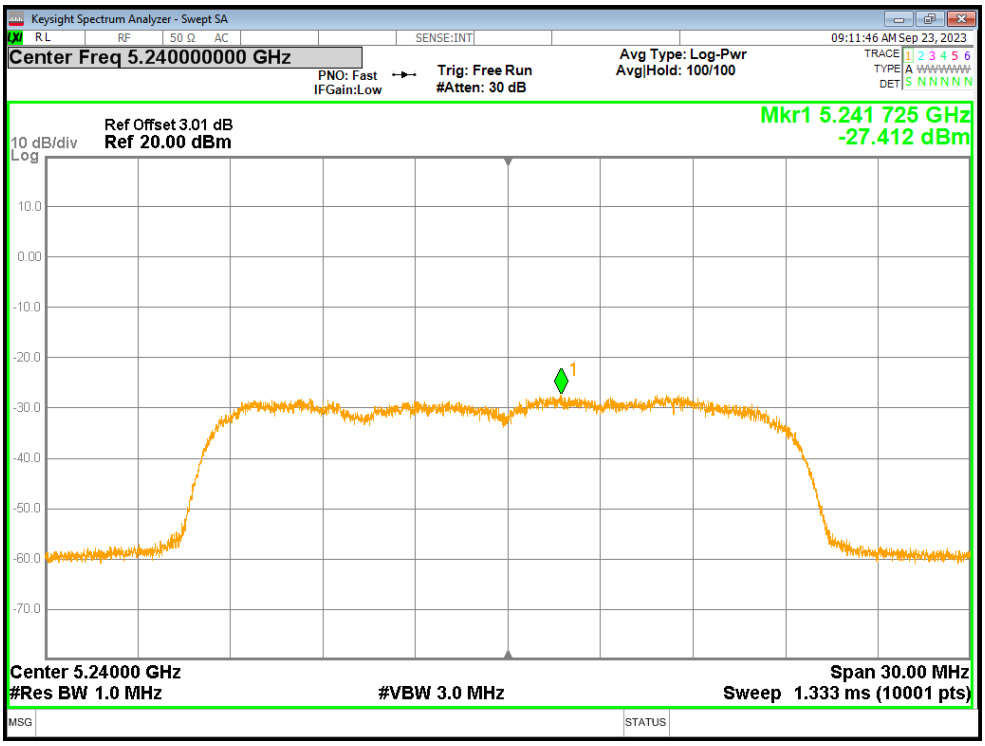
PSD NVNT n20 5180MHz Ant2



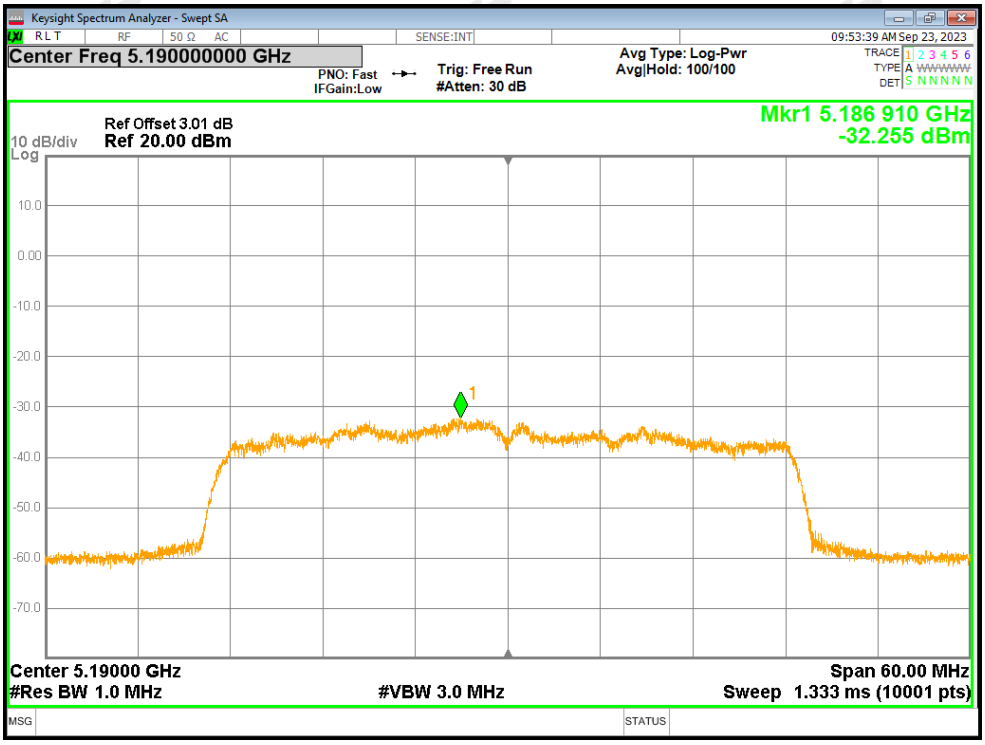
PSD NVNT n20 5200MHz Ant2



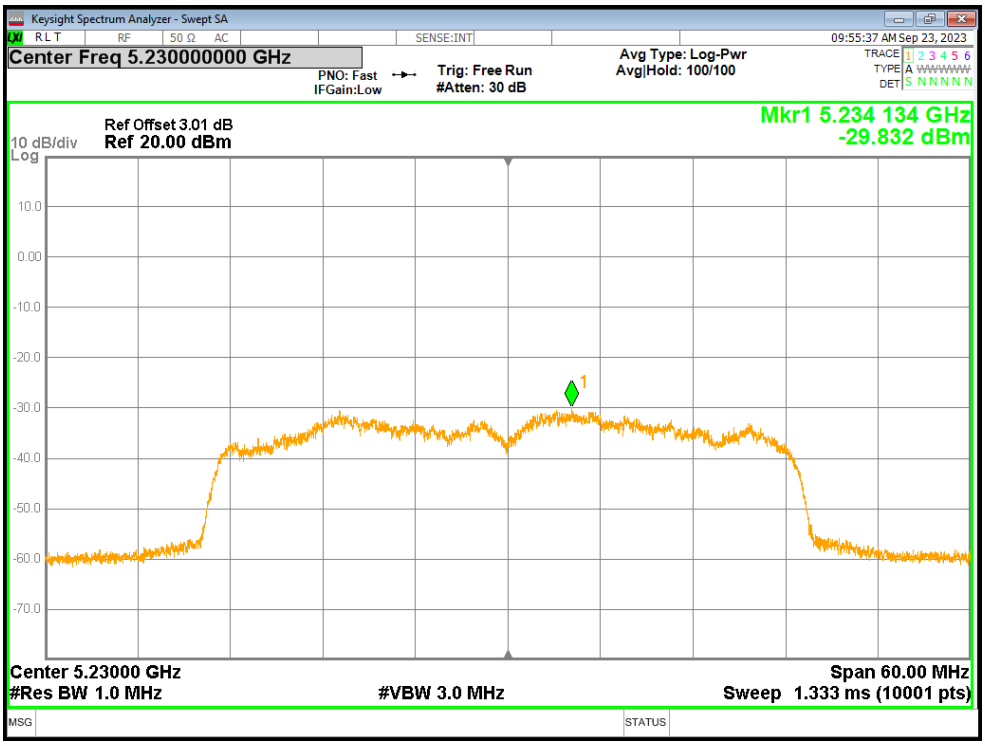
PSD NVNT n20 5240MHz Ant2



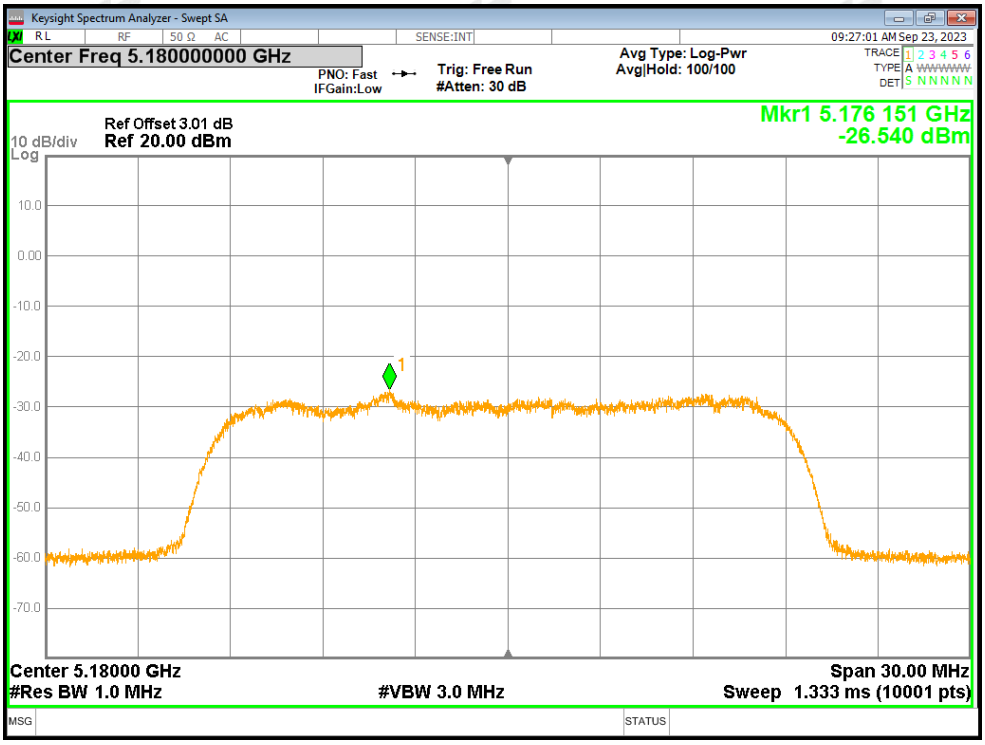
PSD NVNT n40 5190MHz Ant2



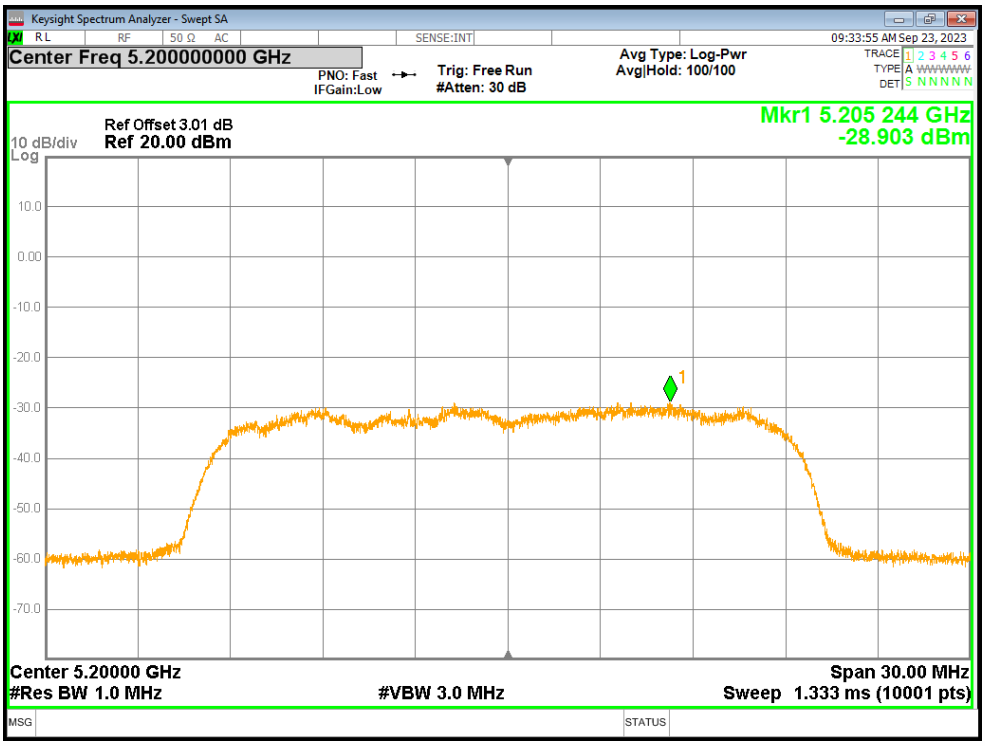
PSD NVNT n40 5230MHz Ant2



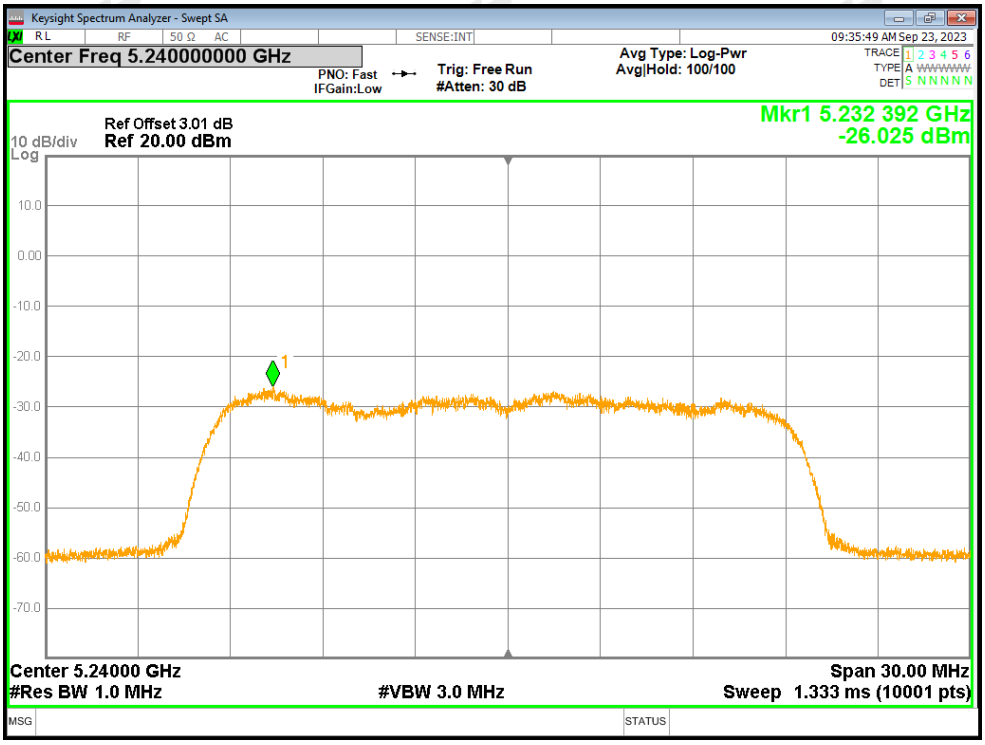
PSD NVNT ac20 5180MHz Ant2



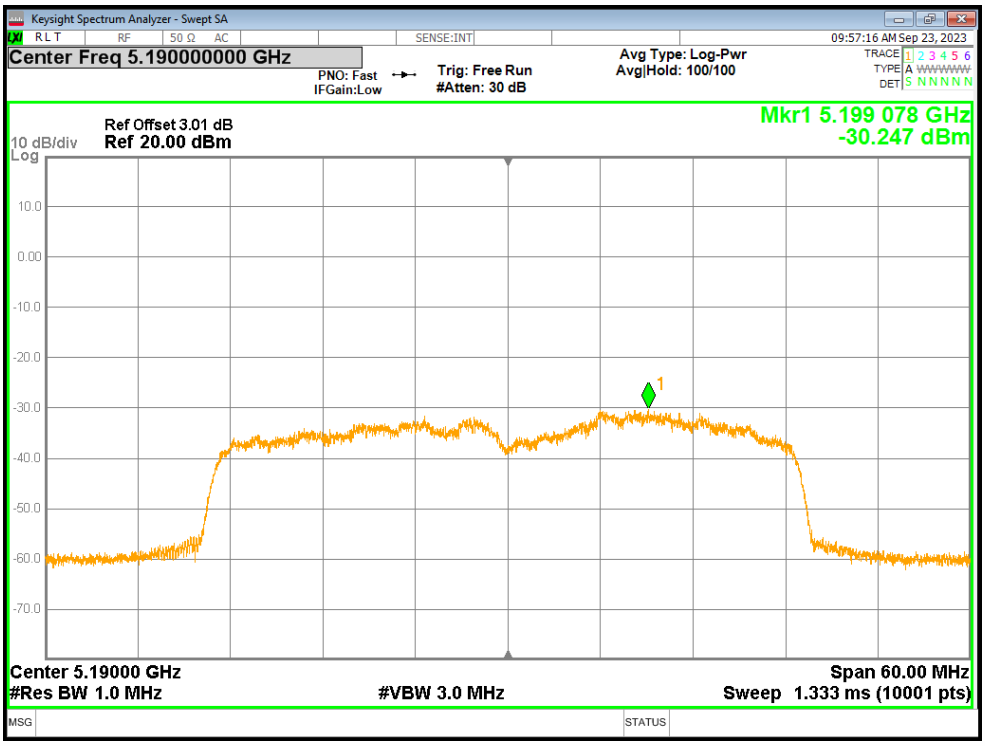
PSD NVNT ac20 5200MHz Ant2



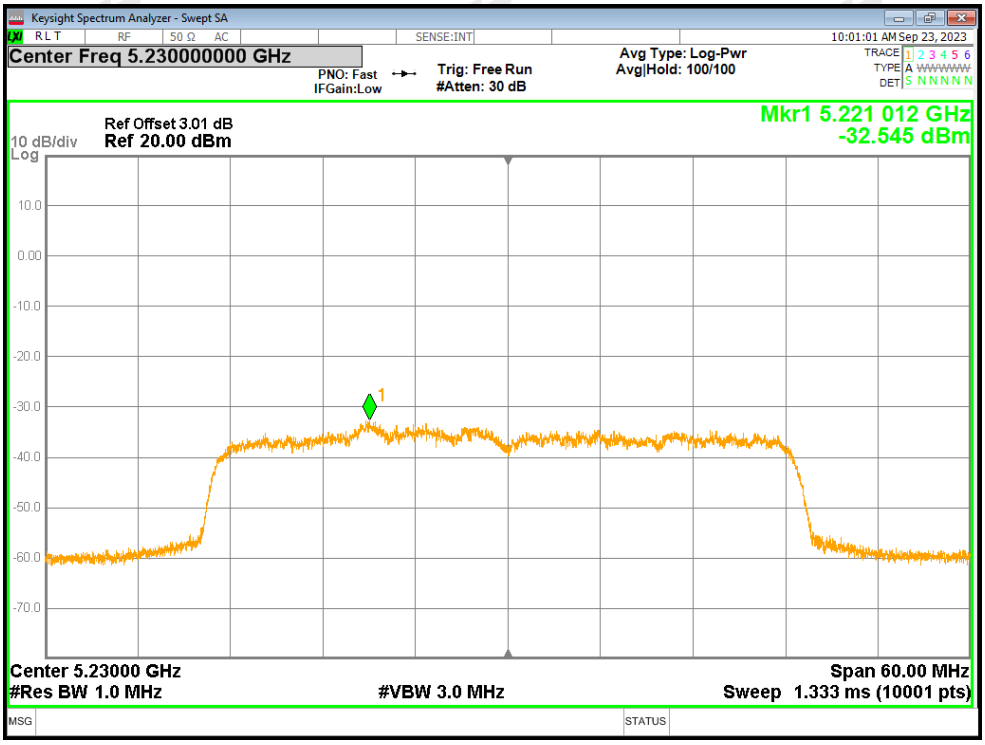
PSD NVNT ac20 5240MHz Ant2



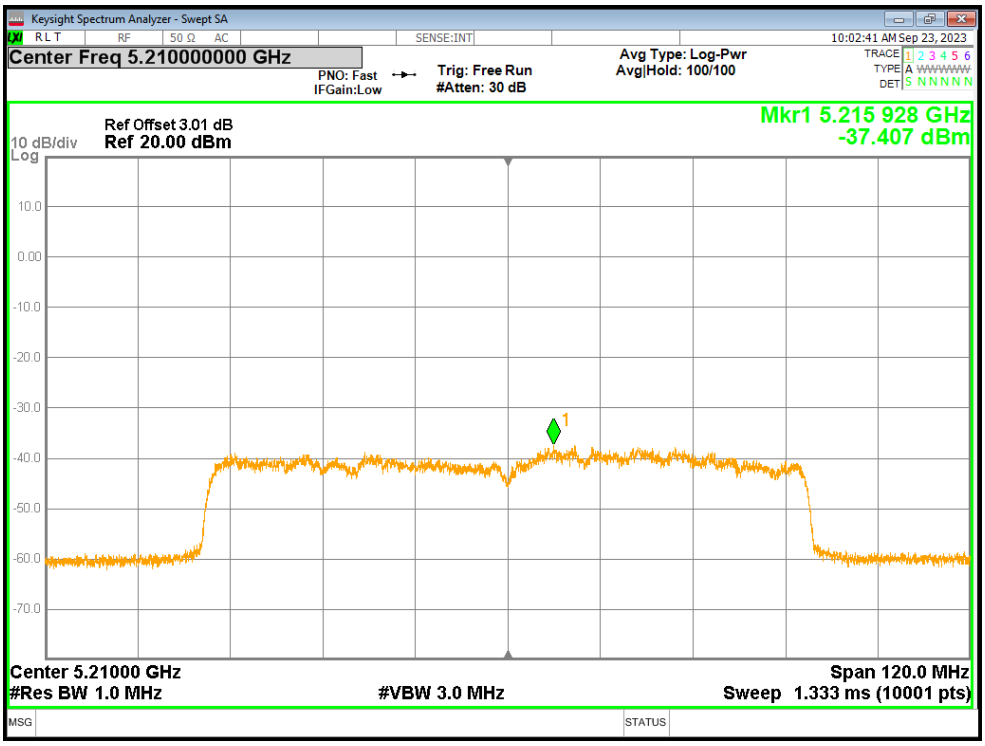
PSD NVNT ac40 5190MHz Ant2



PSD NVNT ac40 5230MHz Ant2



PSD NVNT ac80 5210MHz Ant2

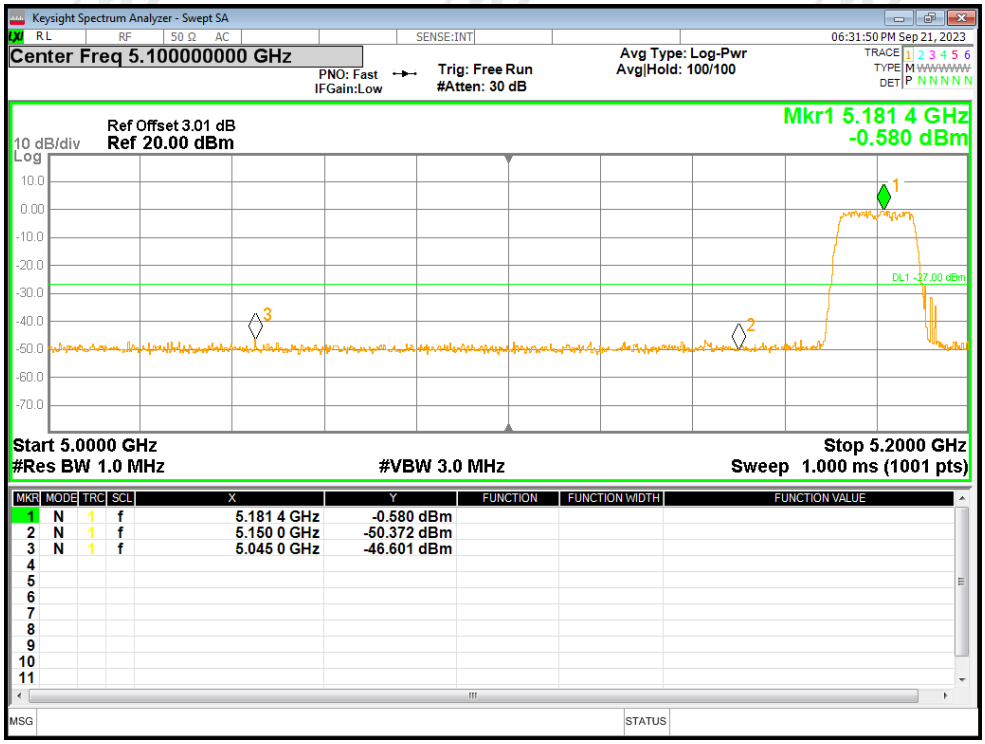


B6.Band Edge

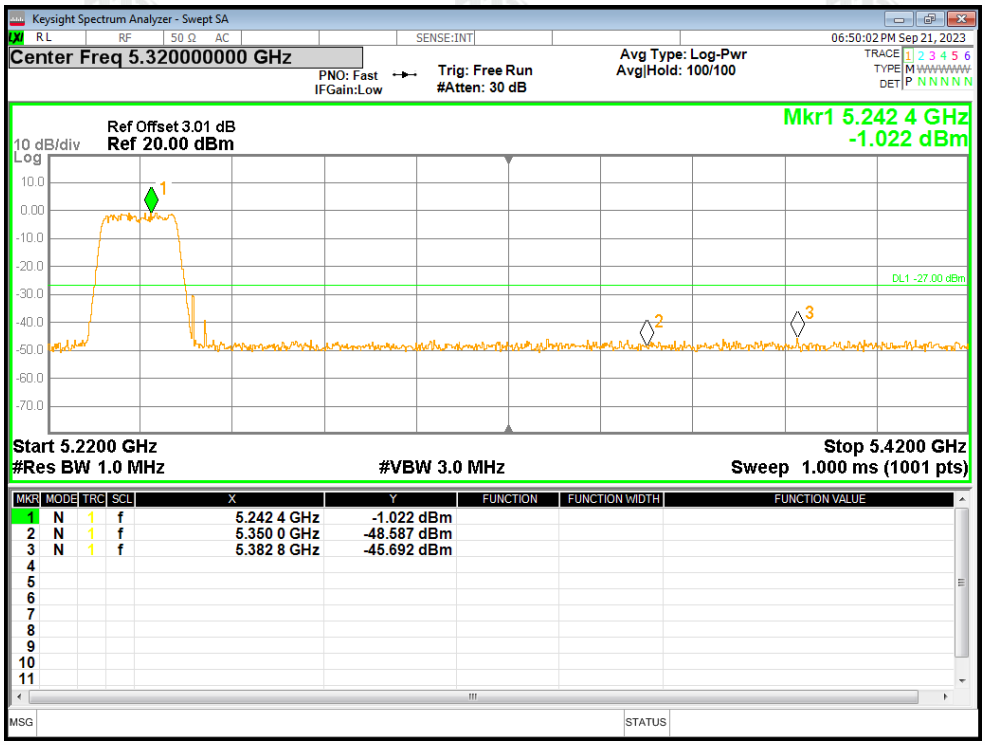
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-46.6	-27	Pass
NVNT	a	5240	Ant1	-45.69	-27	Pass
NVNT	n20	5180	Ant1	-46.61	-27	Pass
NVNT	n20	5240	Ant1	-46.31	-27	Pass
NVNT	n40	5190	Ant1	-46.66	-27	Pass
NVNT	n40	5230	Ant1	-45.8	-27	Pass
NVNT	ac20	5180	Ant1	-46.66	-27	Pass
NVNT	ac20	5240	Ant1	-45.72	-27	Pass
NVNT	ac40	5190	Ant1	-46.57	-27	Pass
NVNT	ac40	5230	Ant1	-46.48	-27	Pass
NVNT	a	5180	Ant2	-46.25	-27	Pass
NVNT	a	5240	Ant2	-46.56	-27	Pass
NVNT	n20	5180	Ant2	-47.57	-27	Pass
NVNT	n20	5240	Ant2	-46.69	-27	Pass
NVNT	n40	5190	Ant2	-46.33	-27	Pass
NVNT	n40	5230	Ant2	-46.2	-27	Pass
NVNT	ac20	5180	Ant2	-46.81	-27	Pass
NVNT	ac20	5240	Ant2	-45.58	-27	Pass
NVNT	ac40	5190	Ant2	-46.3	-27	Pass
NVNT	ac40	5230	Ant2	-46.63	-27	Pass

Test Graphs

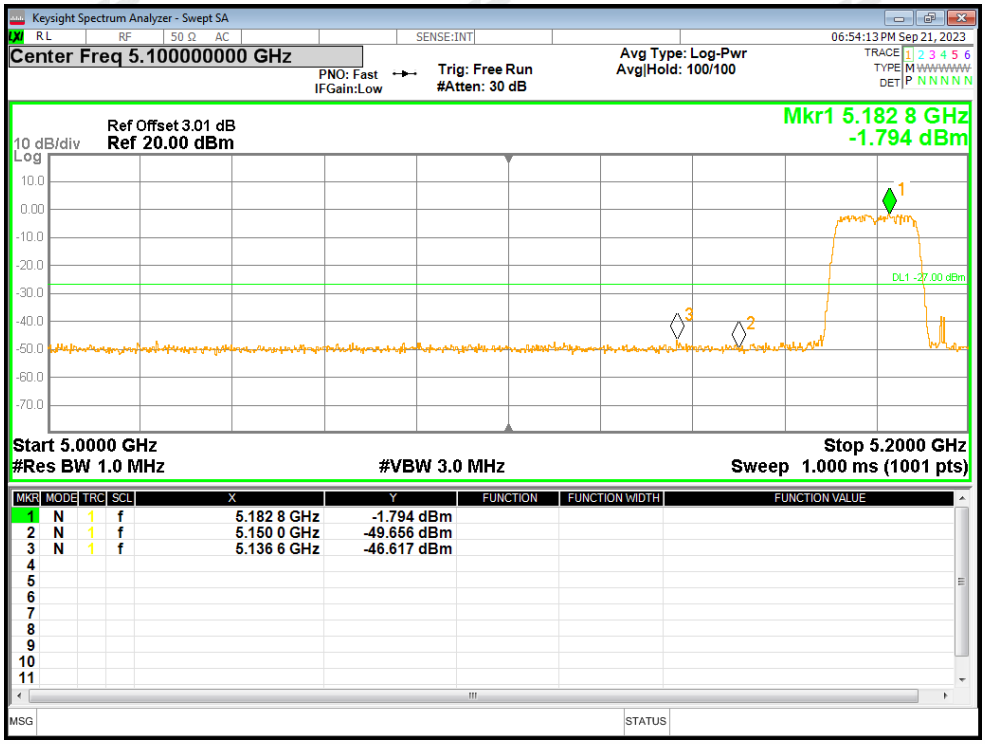
Band Edge NVNT a 5180MHz Low Ant1



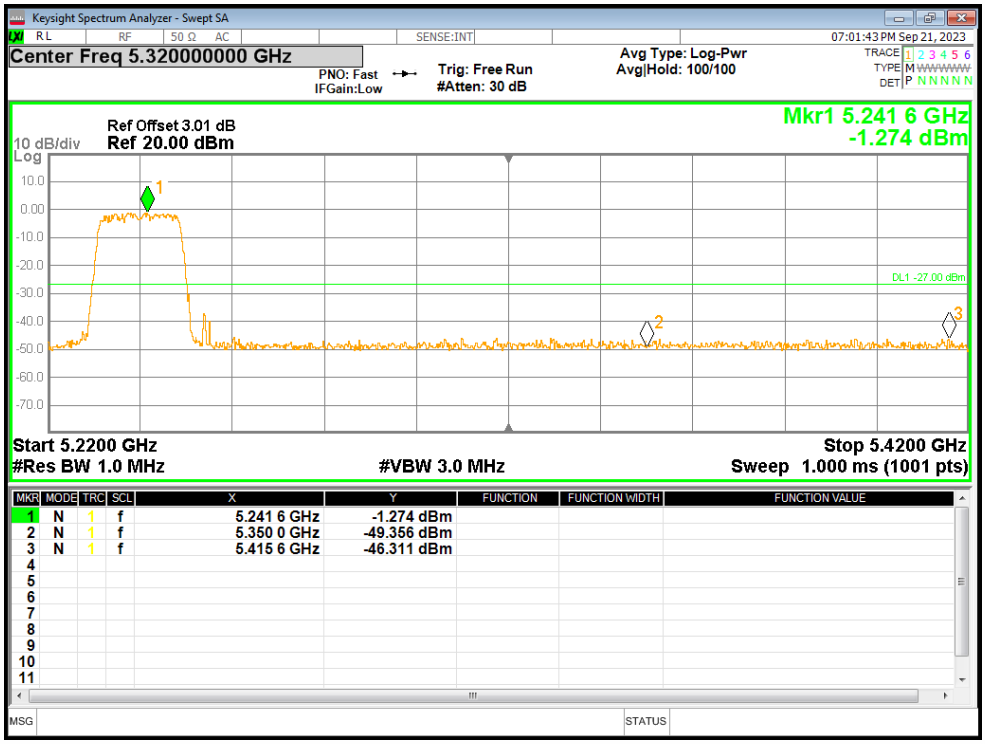
Band Edge NVNT a 5240MHz High Ant1



Band Edge NVNT n20 5180MHz Low Ant1

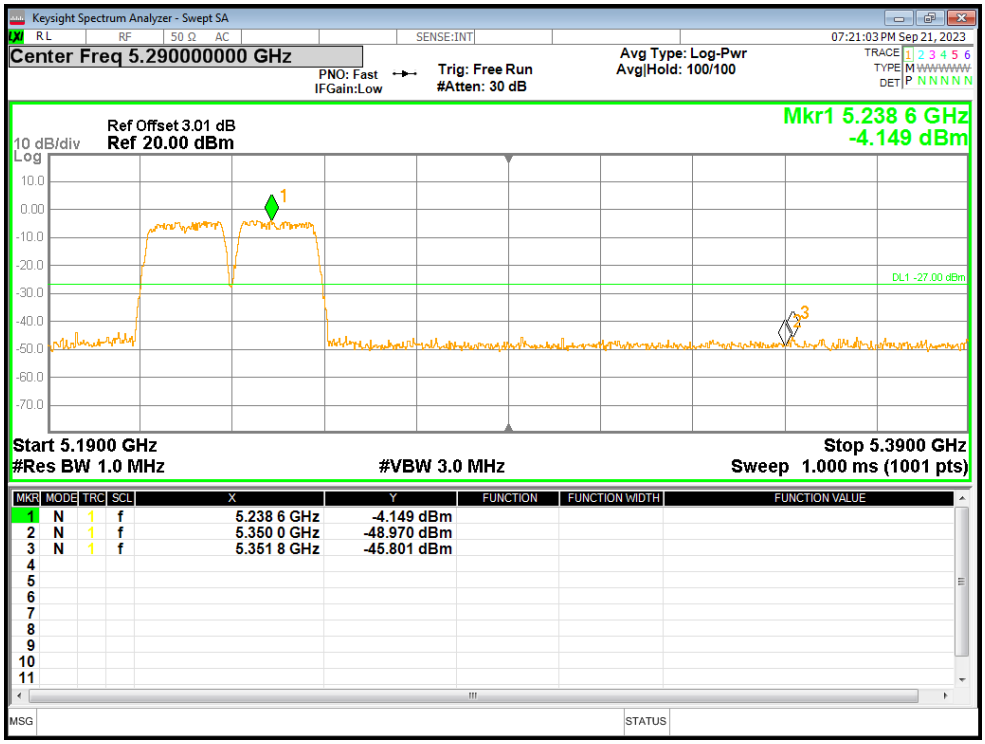


Band Edge NVNT n20 5240MHz High Ant1

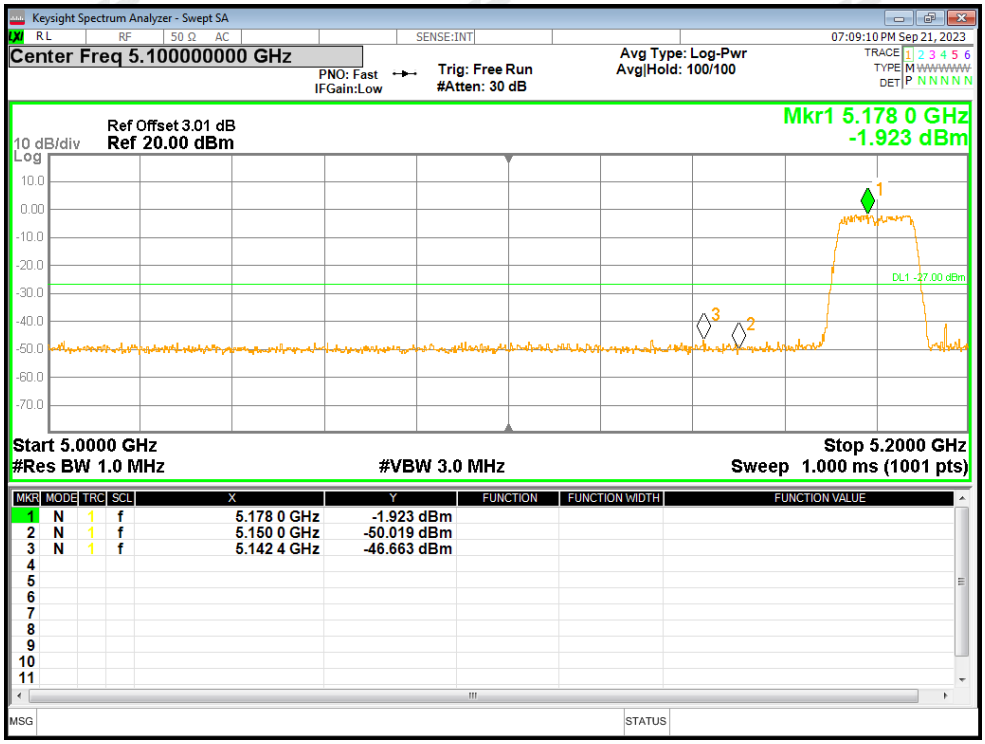


Band Edge NVNT n40 5190MHz Low Ant1

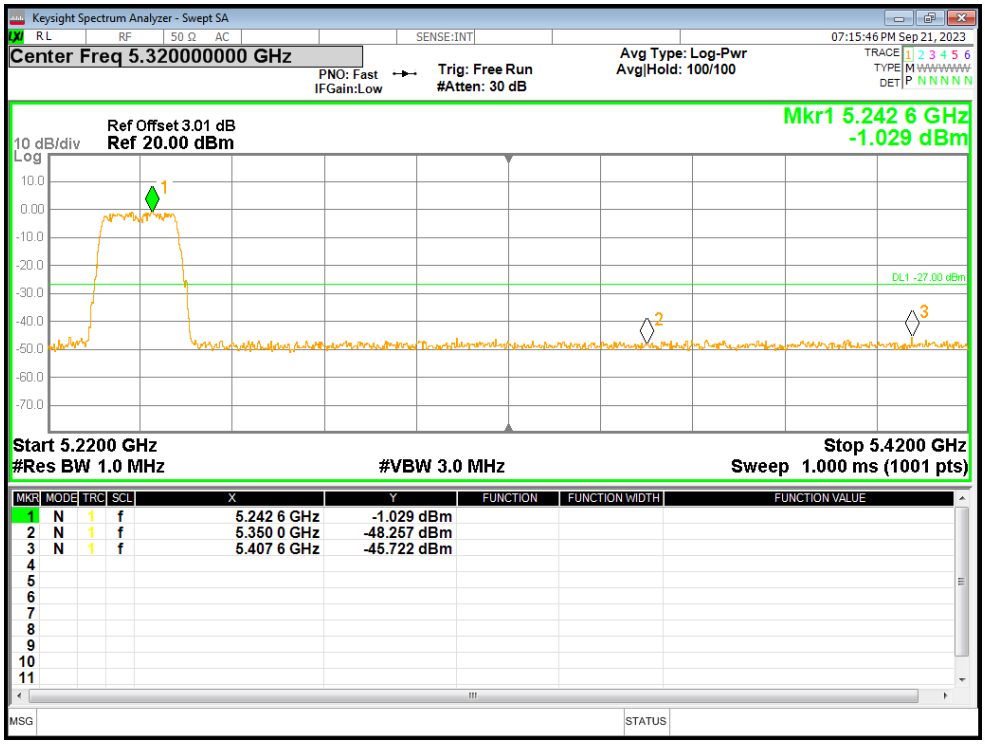
Band Edge NVNT n40 5230MHz High Ant1



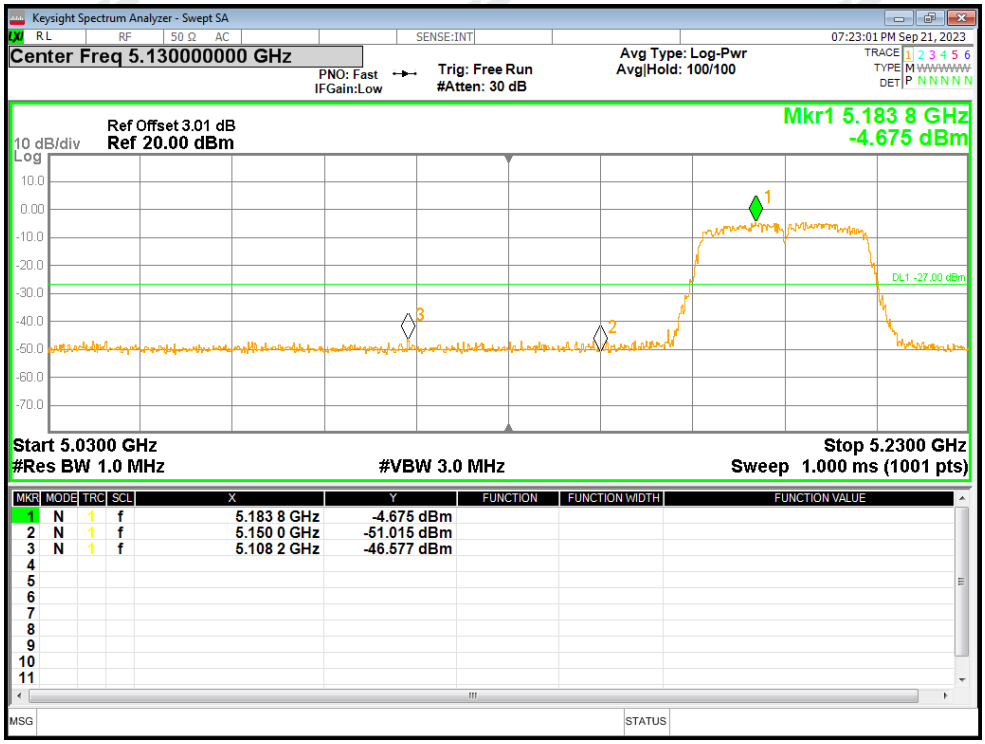
Band Edge NVNT ac20 5180MHz Low Ant1



Band Edge NVNT ac20 5240MHz High Ant1

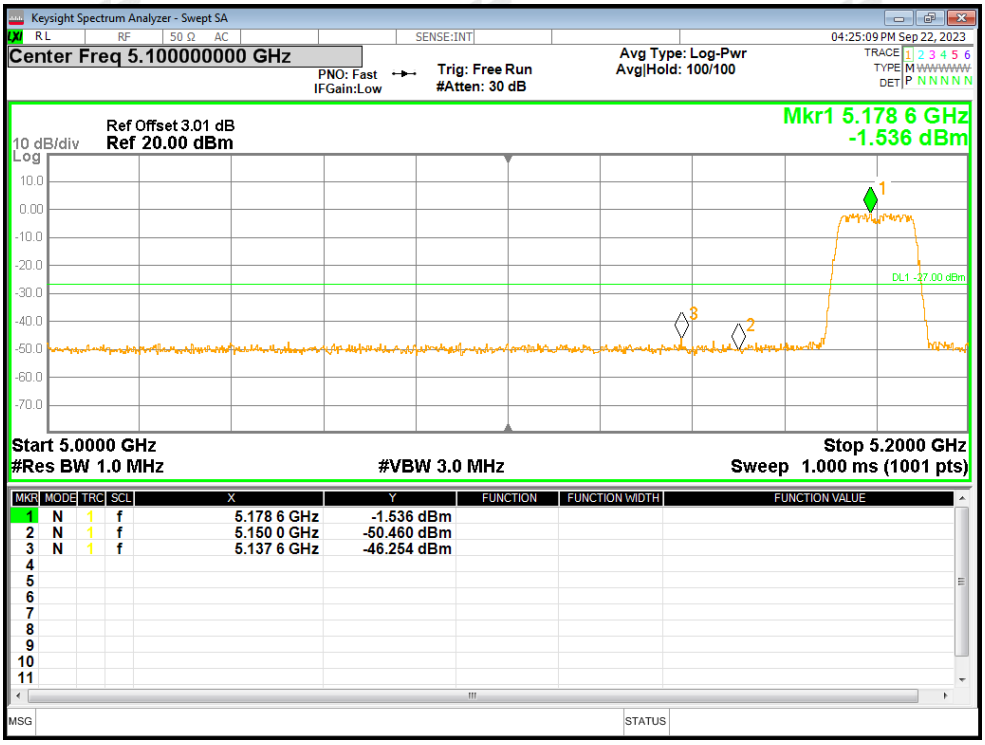


Band Edge NVNT ac40 5190MHz Low Ant1

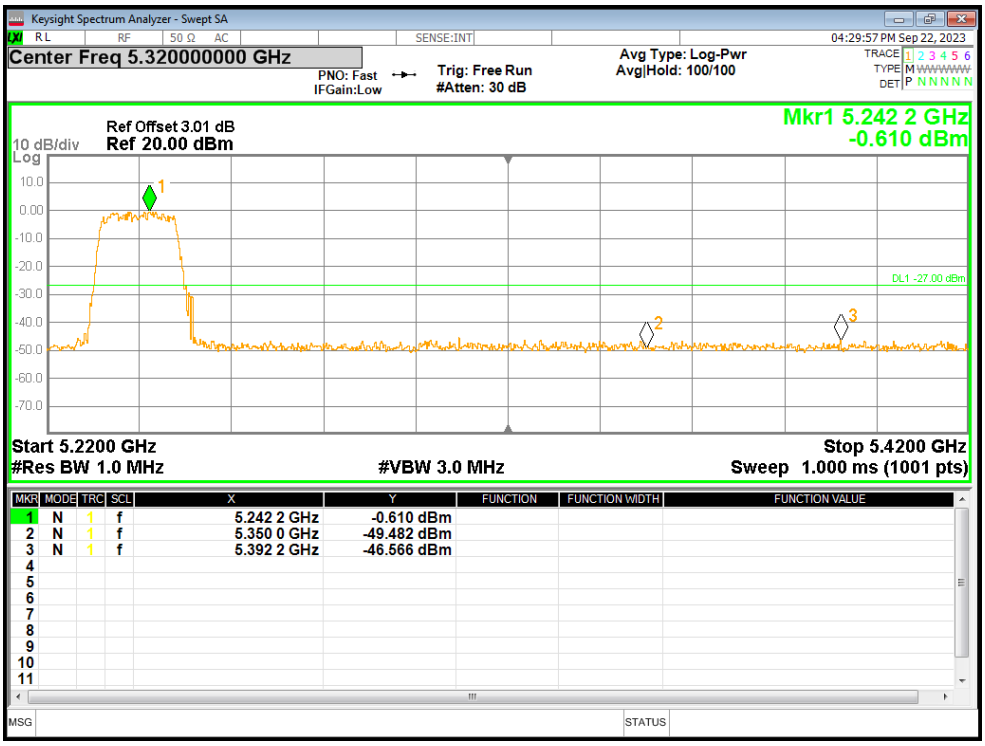


Band Edge NVNT ac40 5230MHz High Ant1

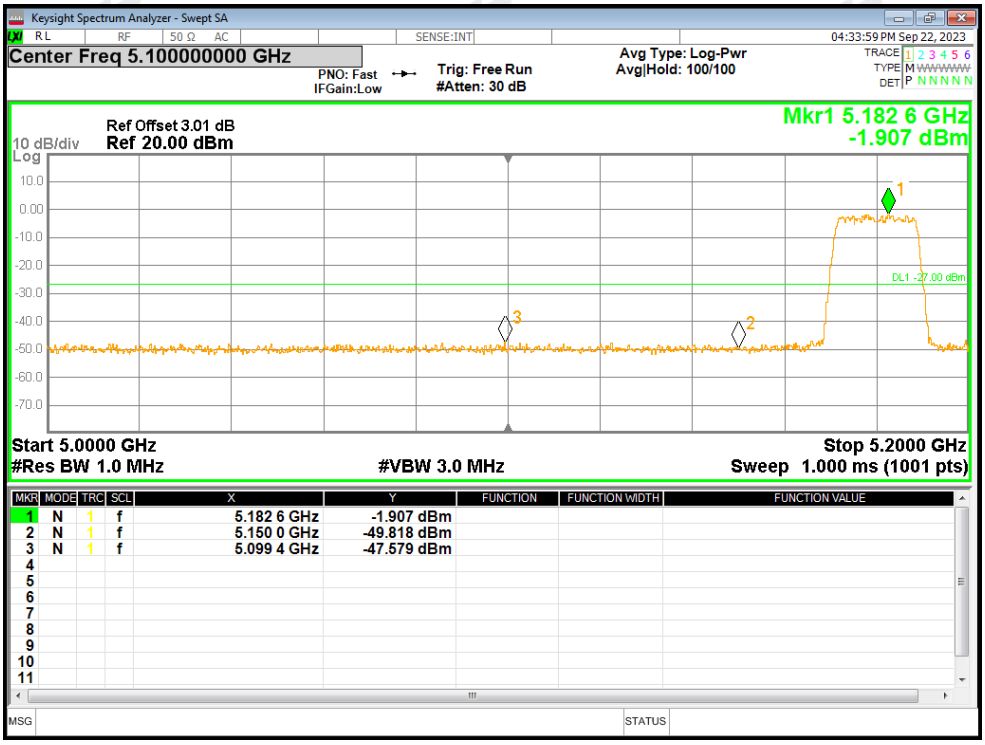
Band Edge NVNT a 5180MHz Low Ant2



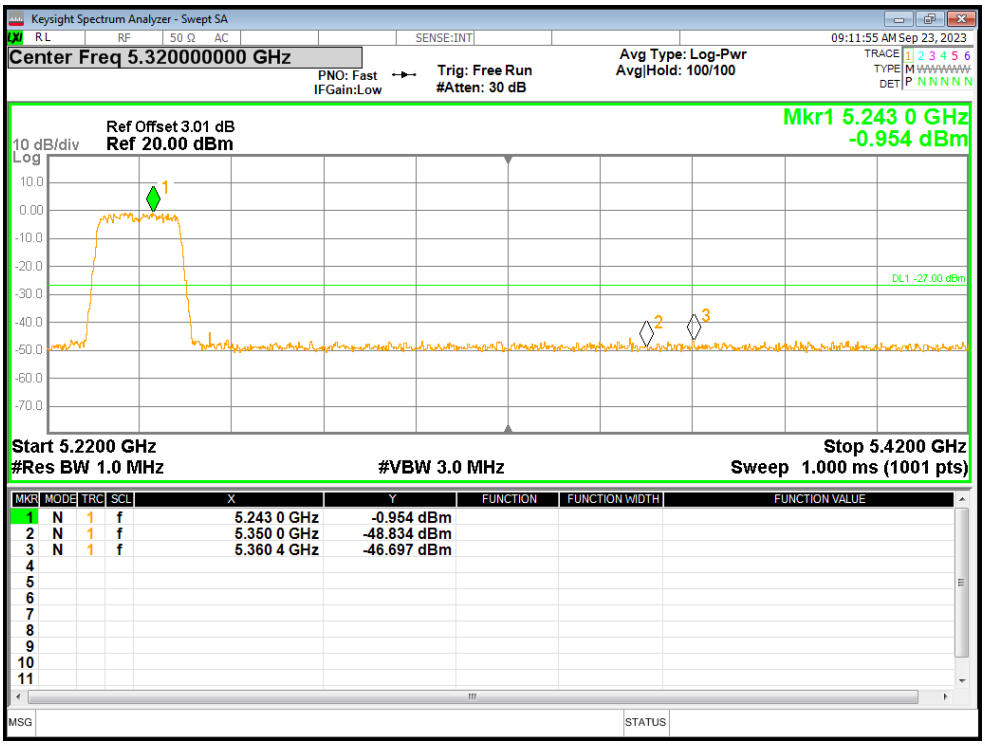
Band Edge NVNT a 5240MHz High Ant2



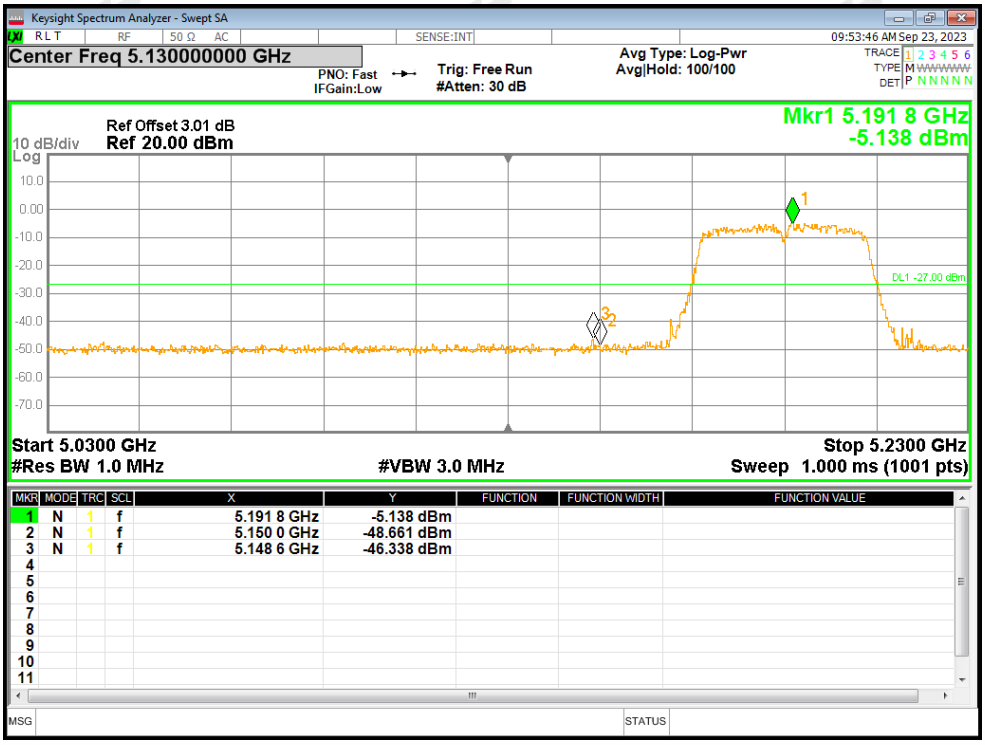
Band Edge NVNT n20 5180MHz Low Ant2



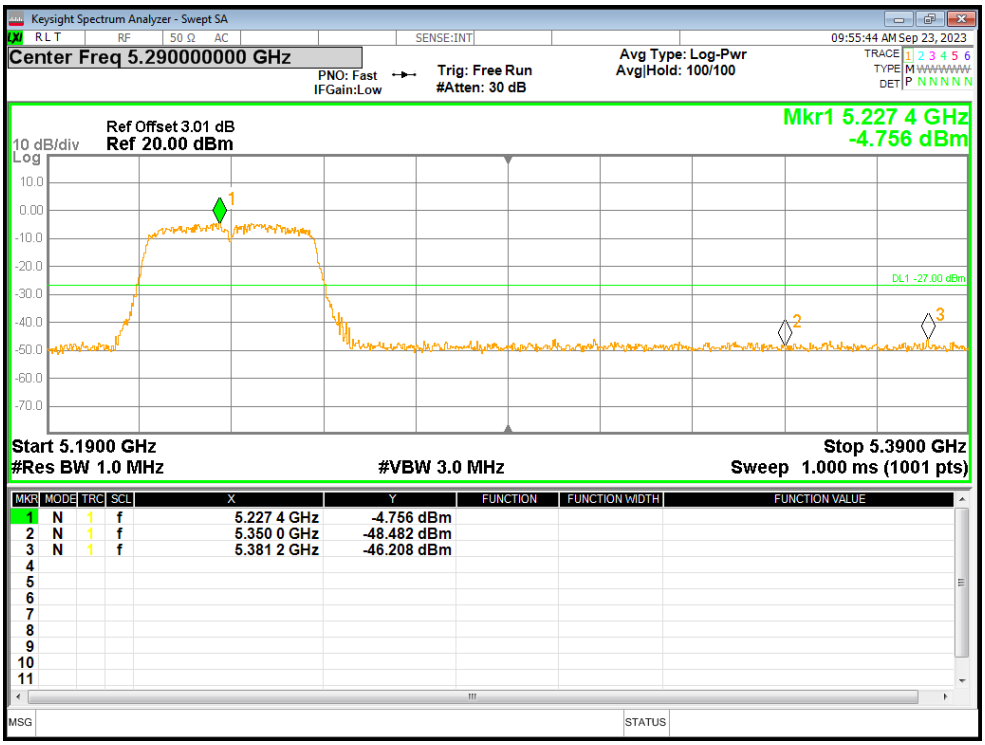
Band Edge NVNT n20 5240MHz High Ant2



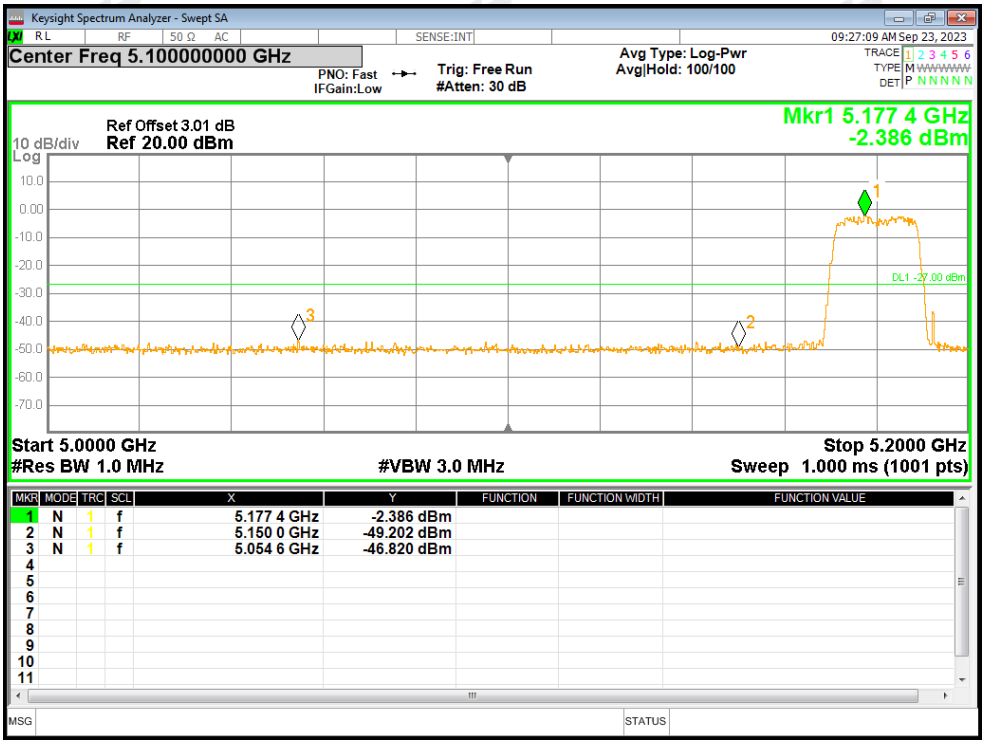
Band Edge NVNT n40 5190MHz Low Ant2



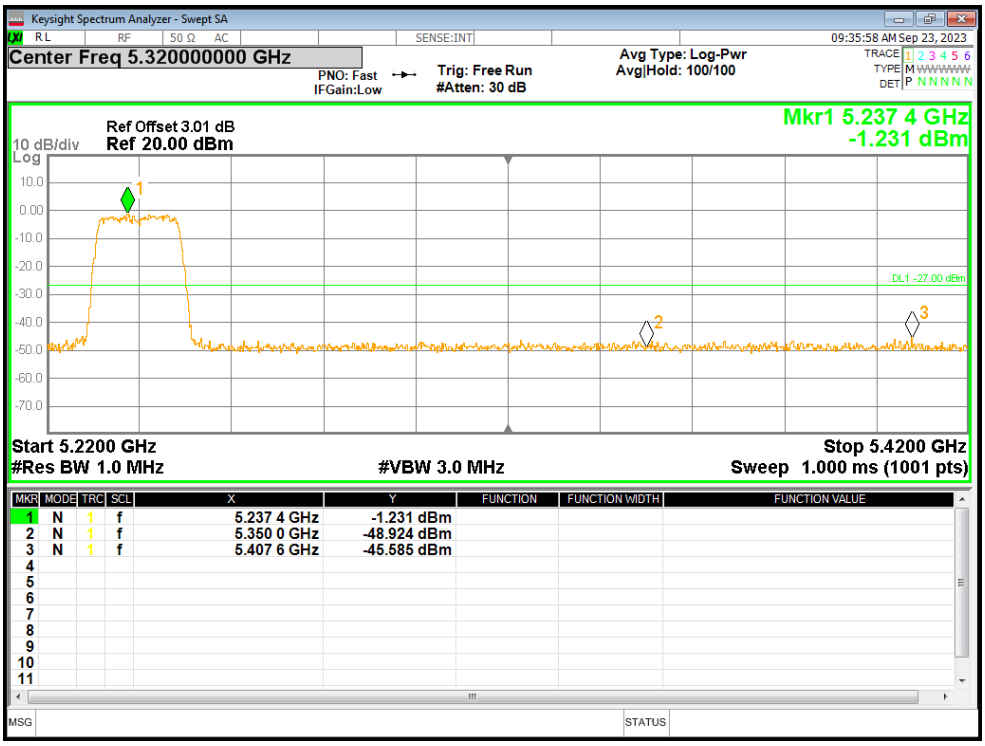
Band Edge NVNT n40 5230MHz High Ant2



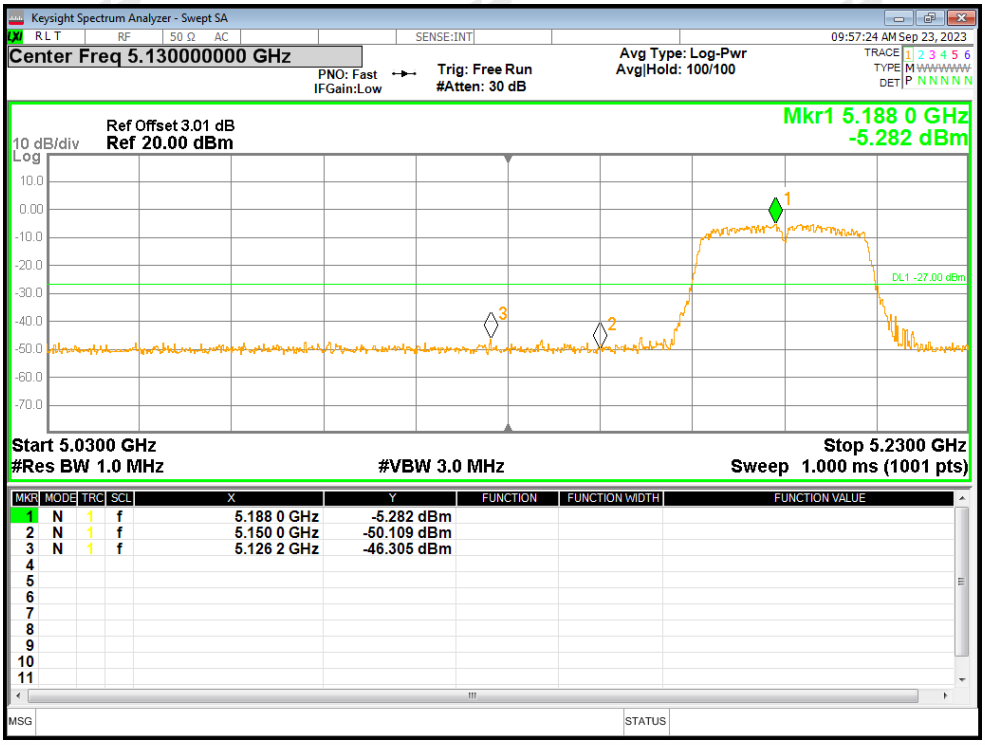
Band Edge NVNT ac20 5180MHz Low Ant2



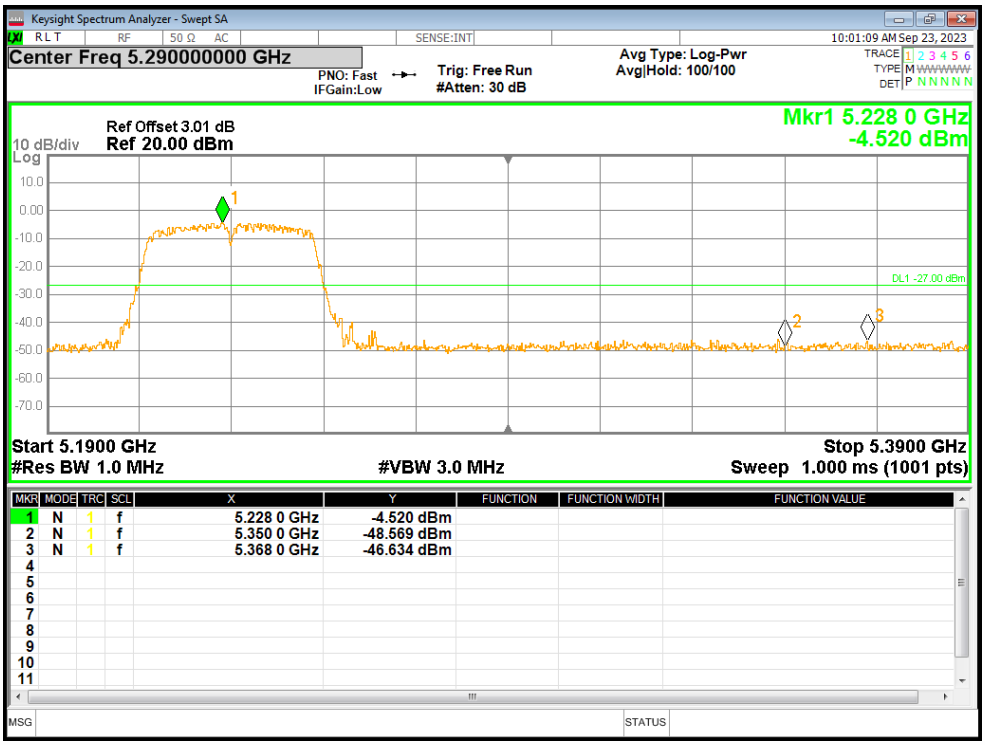
Band Edge NVNT ac20 5240MHz High Ant2



Band Edge NVNT ac40 5190MHz Low Ant2



Band Edge NVNT ac40 5230MHz High Ant2

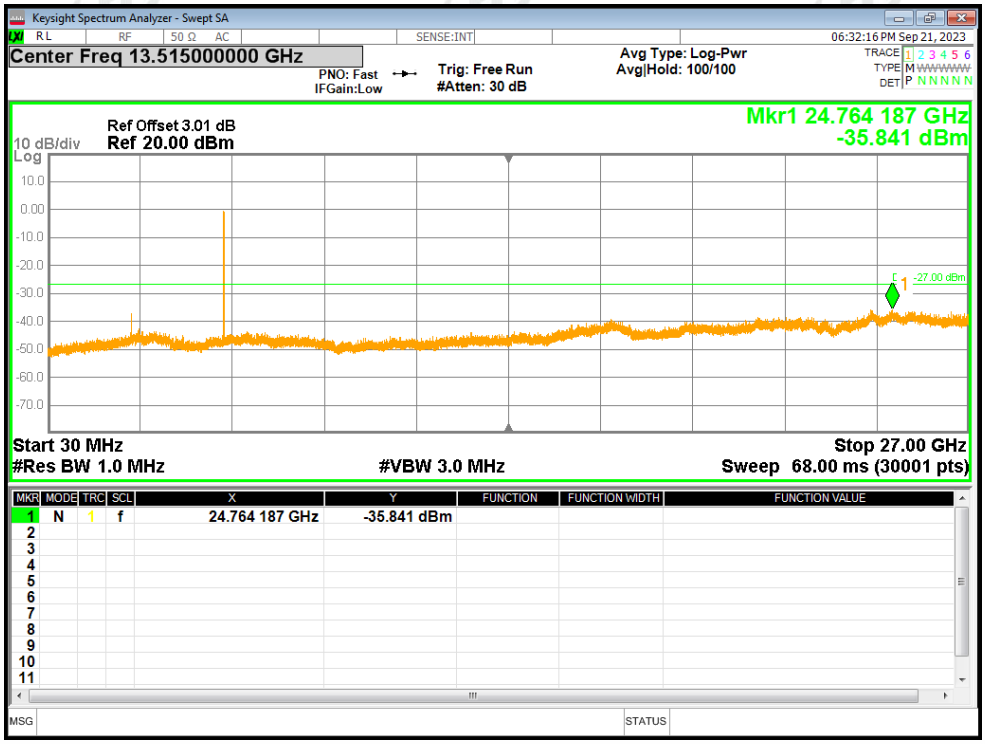


B7.Conducted RF Spurious Emission

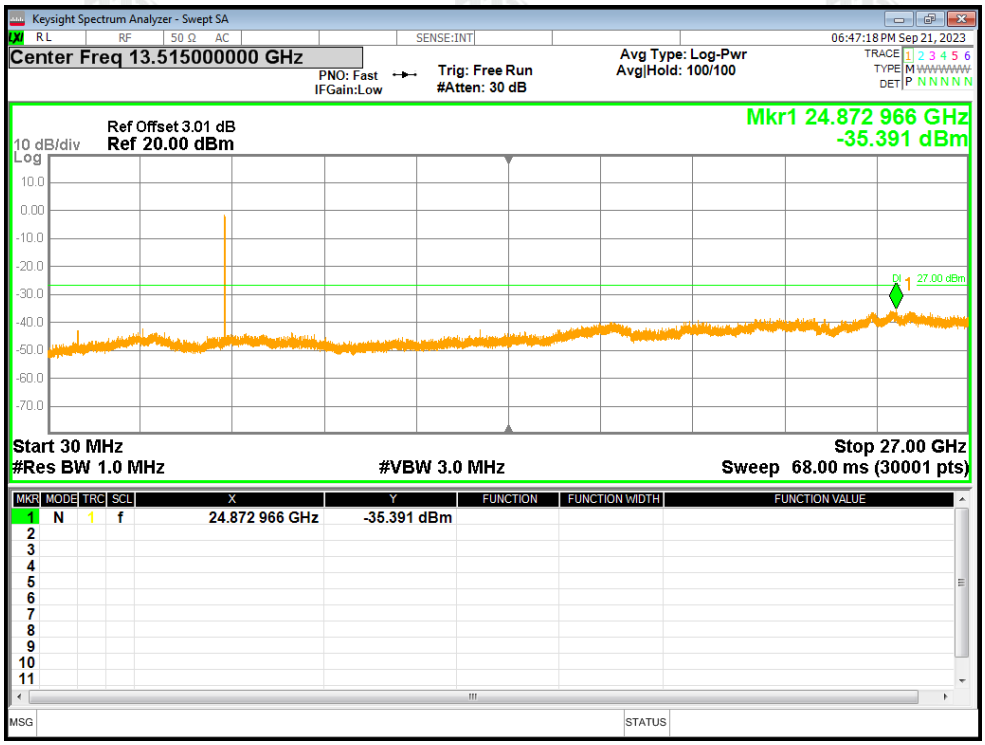
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-35.84	-27	Pass
NVNT	a	5200	Ant1	-35.39	-27	Pass
NVNT	a	5240	Ant1	-35.28	-27	Pass
NVNT	n20	5180	Ant1	-35.76	-27	Pass
NVNT	n20	5200	Ant1	-35.85	-27	Pass
NVNT	n20	5240	Ant1	-35.59	-27	Pass
NVNT	n40	5190	Ant1	-34.61	-27	Pass
NVNT	n40	5230	Ant1	-35.47	-27	Pass
NVNT	ac20	5180	Ant1	-35.03	-27	Pass
NVNT	ac20	5200	Ant1	-35.51	-27	Pass
NVNT	ac20	5240	Ant1	-35.65	-27	Pass
NVNT	ac40	5190	Ant1	-35.94	-27	Pass
NVNT	ac40	5230	Ant1	-35.37	-27	Pass
NVNT	ac80	5210	Ant1	-35.06	-27	Pass
NVNT	a	5180	Ant2	-35.04	-27	Pass
NVNT	a	5200	Ant2	-35.5	-27	Pass
NVNT	a	5240	Ant2	-35.87	-27	Pass
NVNT	n20	5180	Ant2	-35.91	-27	Pass
NVNT	n20	5200	Ant2	-35.65	-27	Pass
NVNT	n20	5240	Ant2	-35.98	-27	Pass
NVNT	n40	5190	Ant2	-35.57	-27	Pass
NVNT	n40	5230	Ant2	-35.26	-27	Pass
NVNT	ac20	5180	Ant2	-35.73	-27	Pass
NVNT	ac20	5200	Ant2	-35.78	-27	Pass
NVNT	ac20	5240	Ant2	-35.79	-27	Pass
NVNT	ac40	5190	Ant2	-36.06	-27	Pass
NVNT	ac40	5230	Ant2	-36.36	-27	Pass
NVNT	ac80	5210	Ant2	-36.25	-27	Pass

Test Graphs

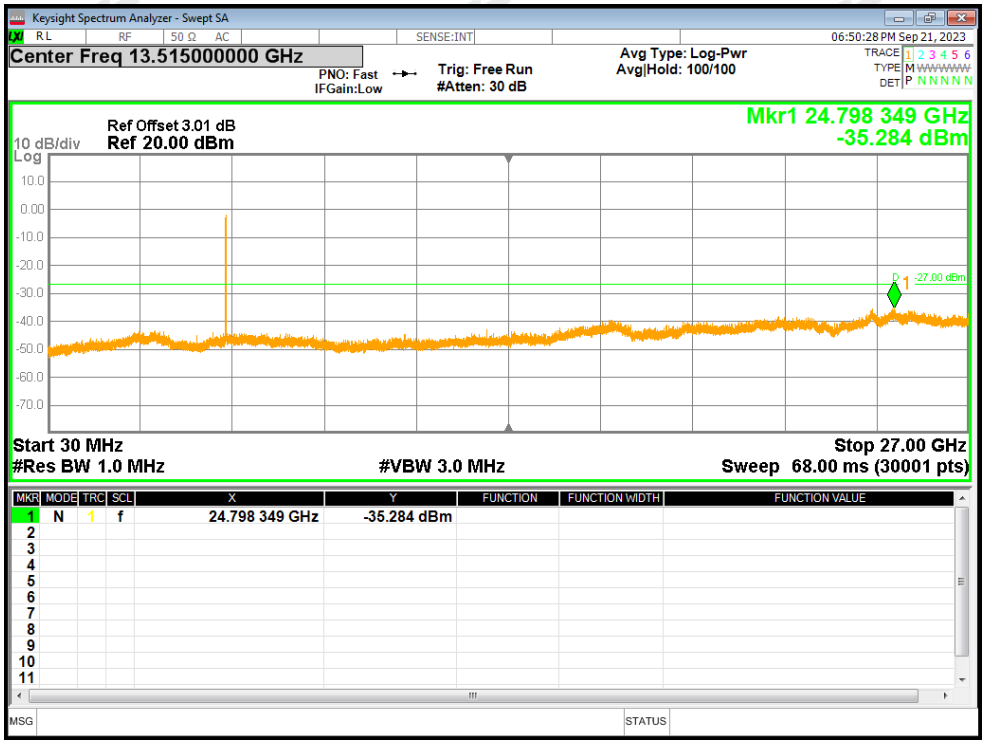
Tx. Spurious NVNT a 5180MHz Ant1 Emission



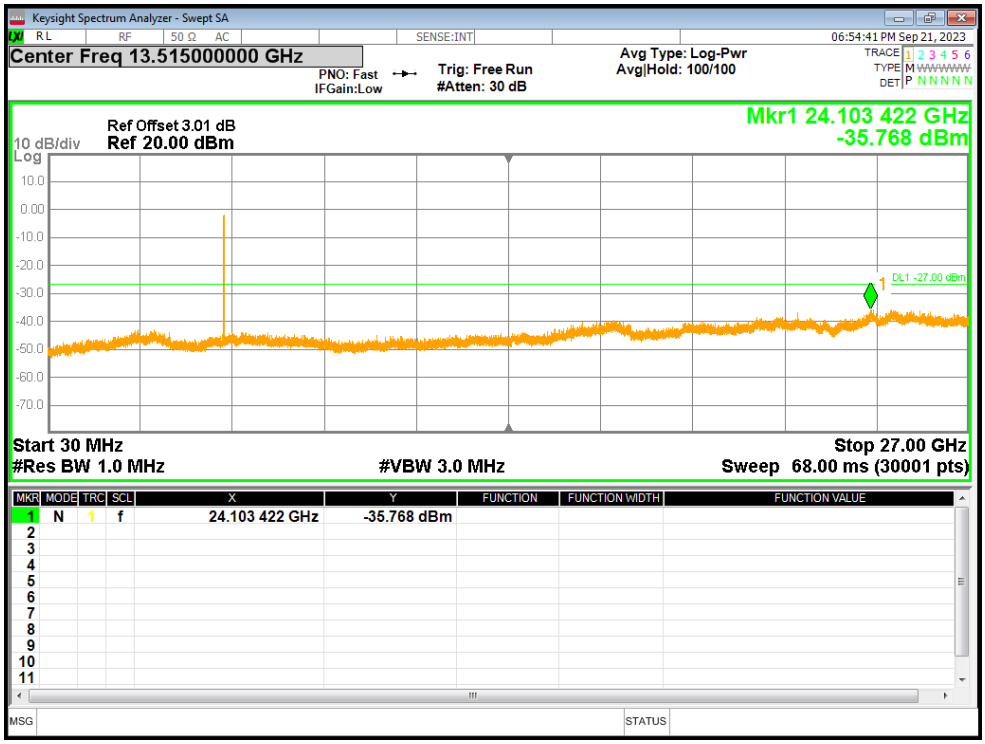
Tx. Spurious NVNT a 5200MHz Ant1 Emission



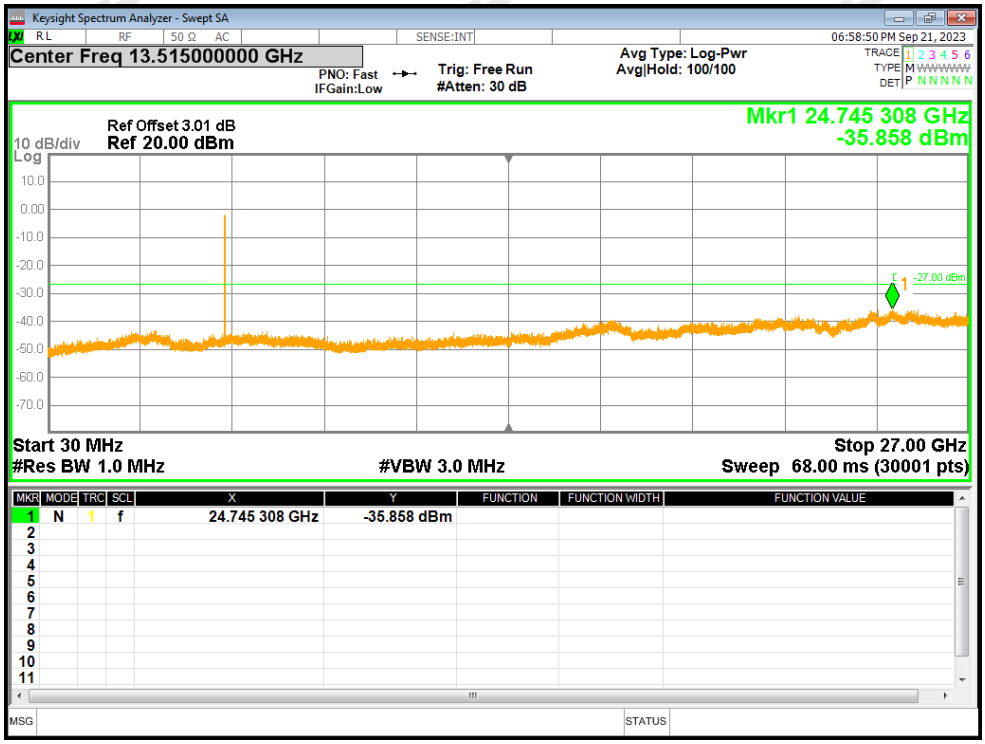
Tx. Spurious NVNT a 5240MHz Ant1 Emission



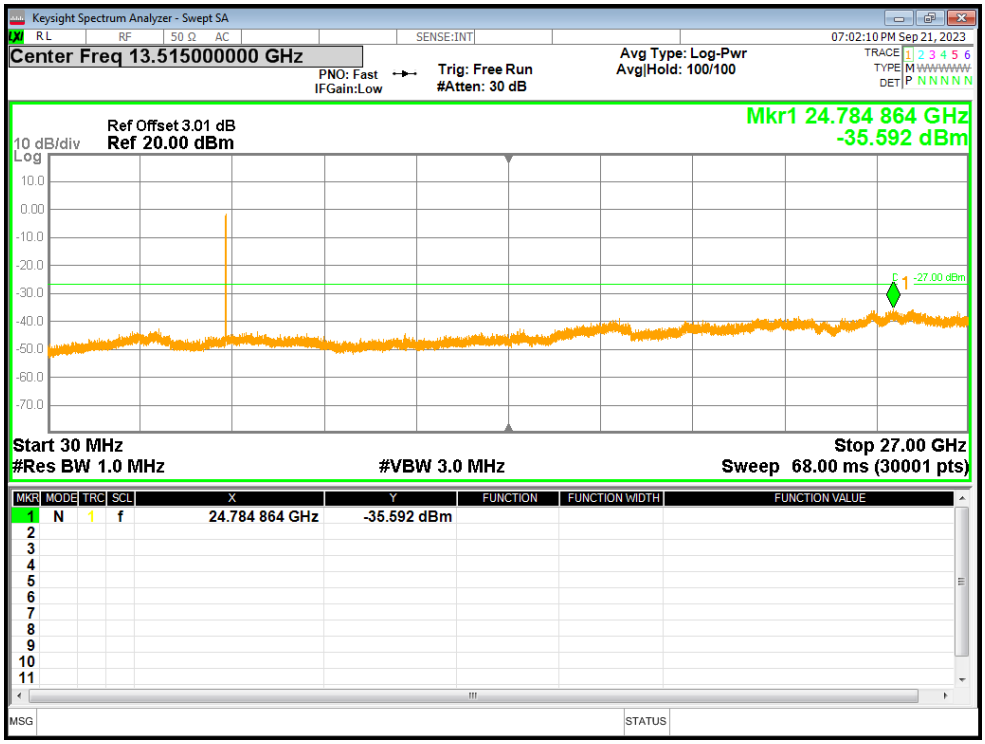
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



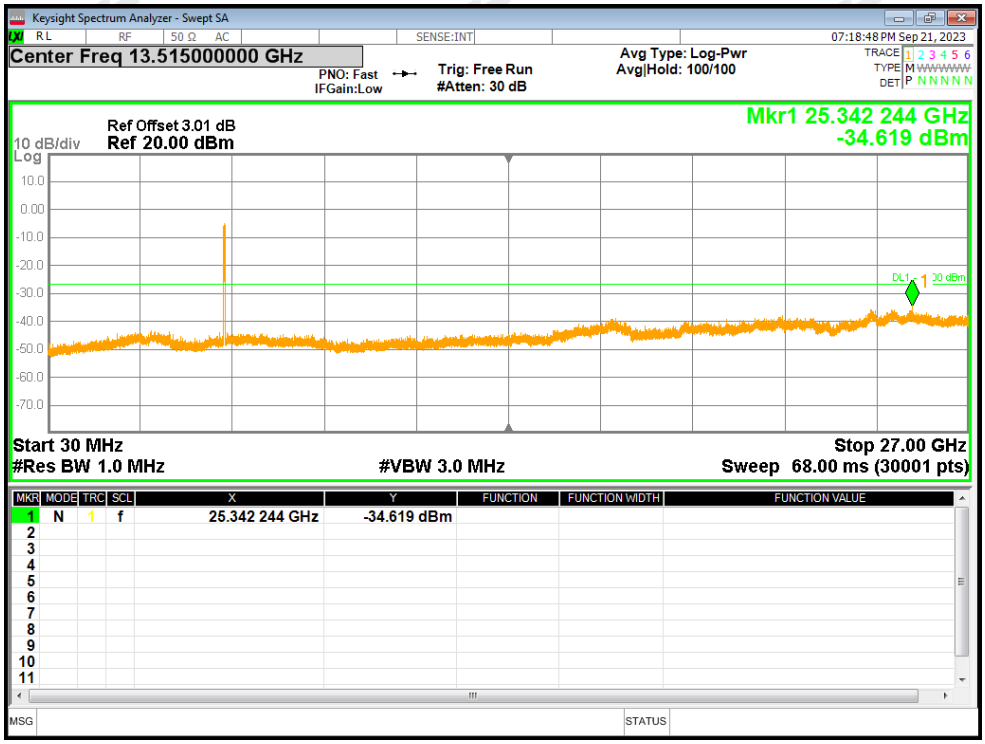
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



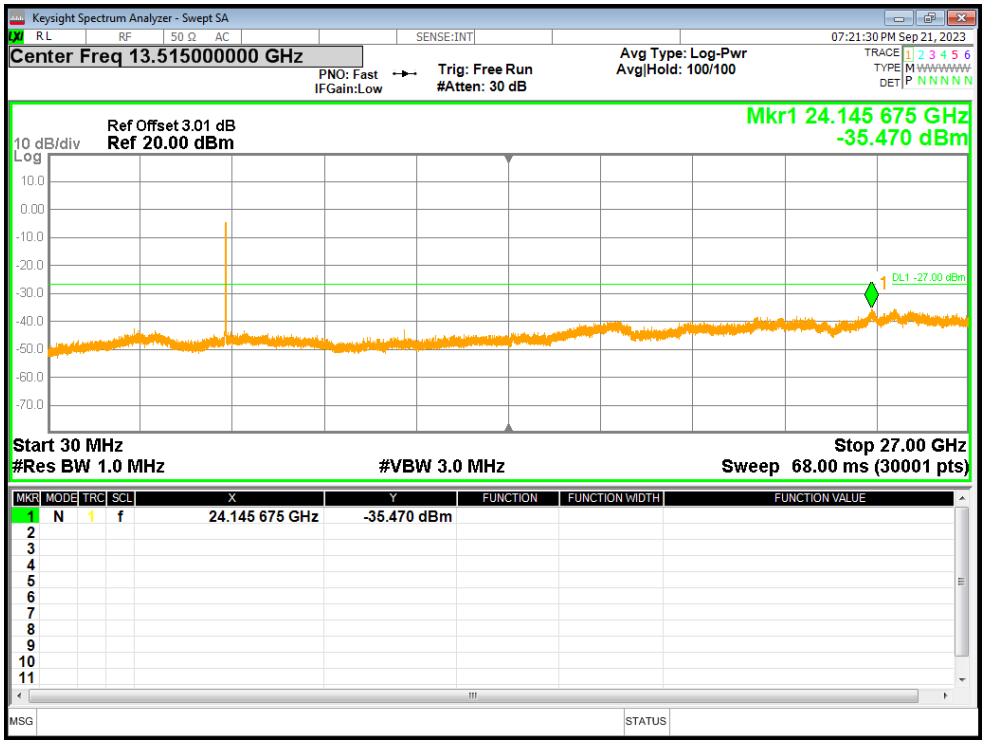
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



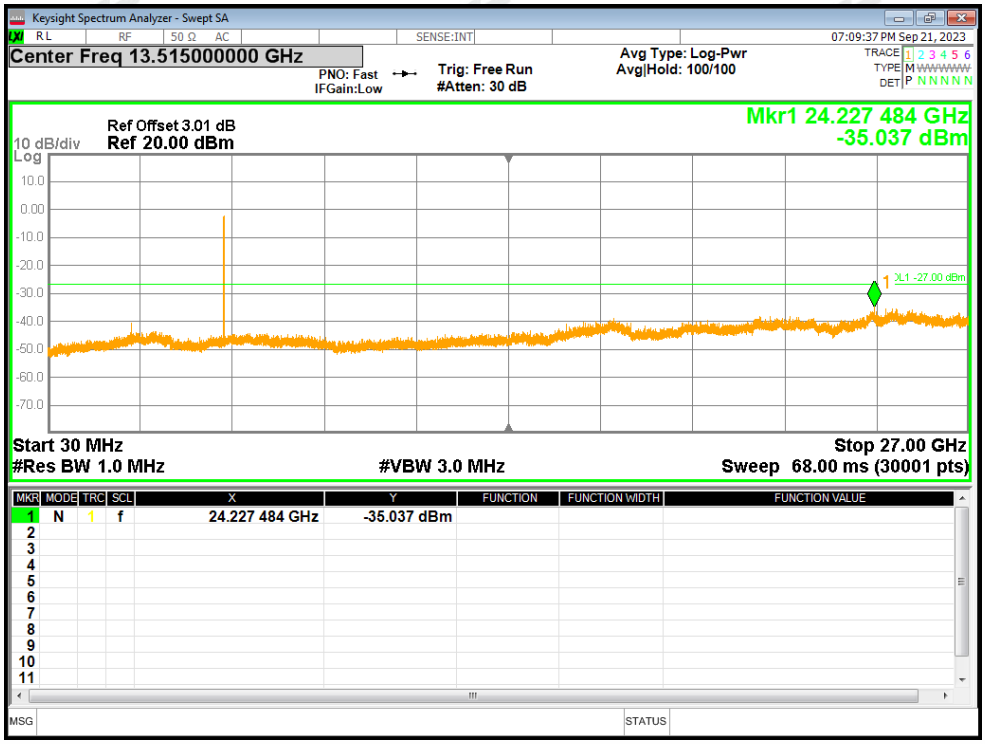
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



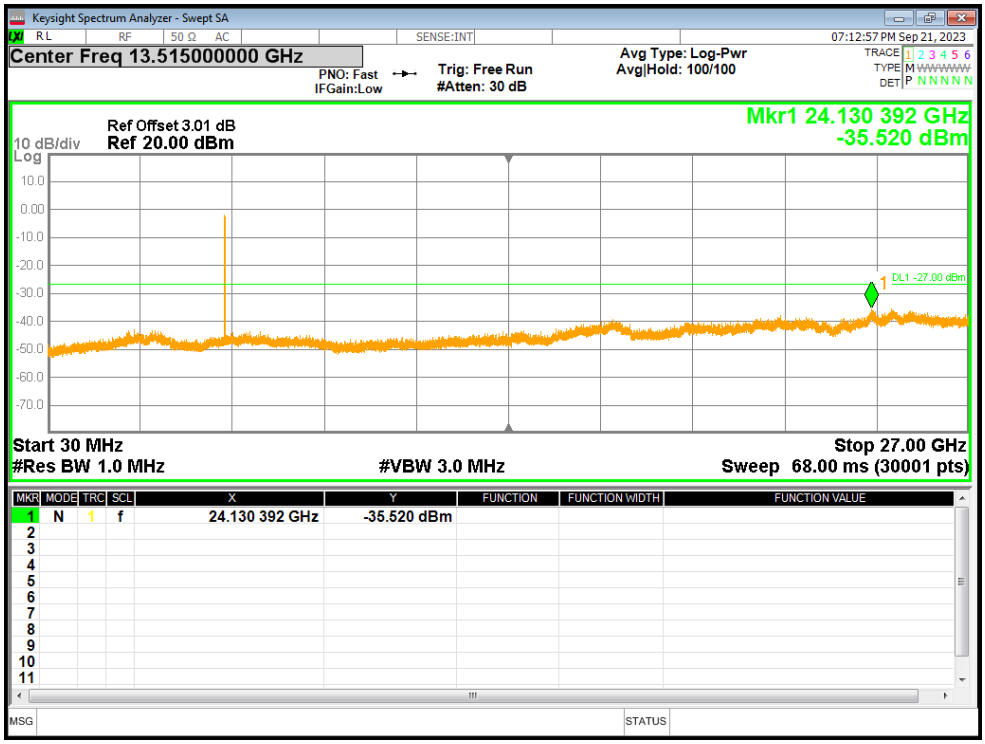
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



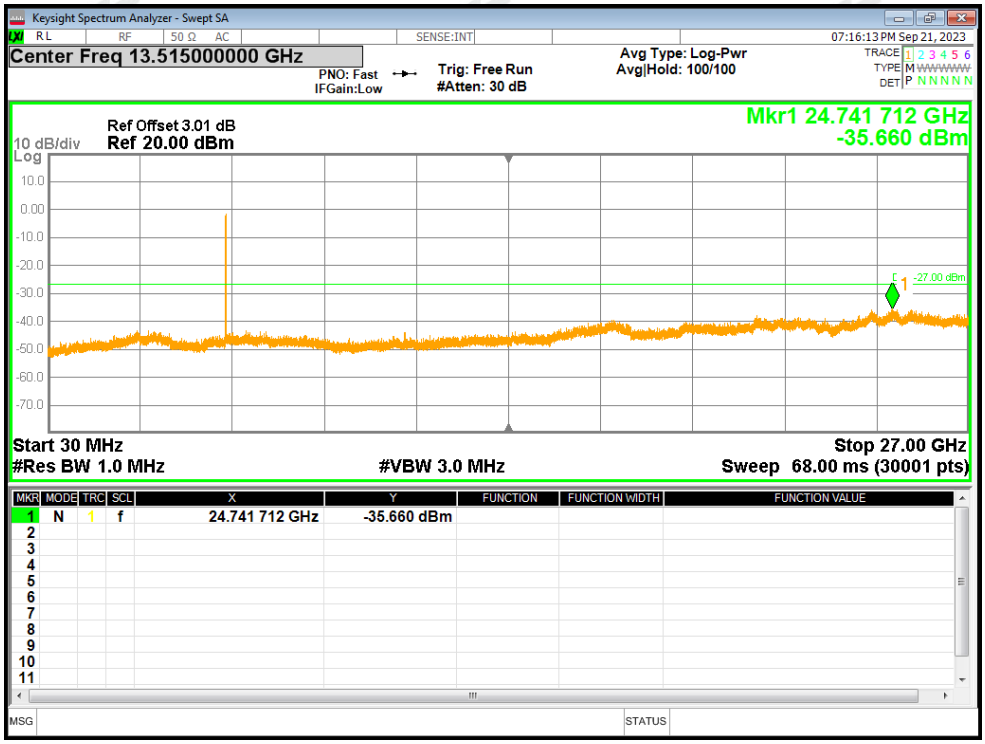
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



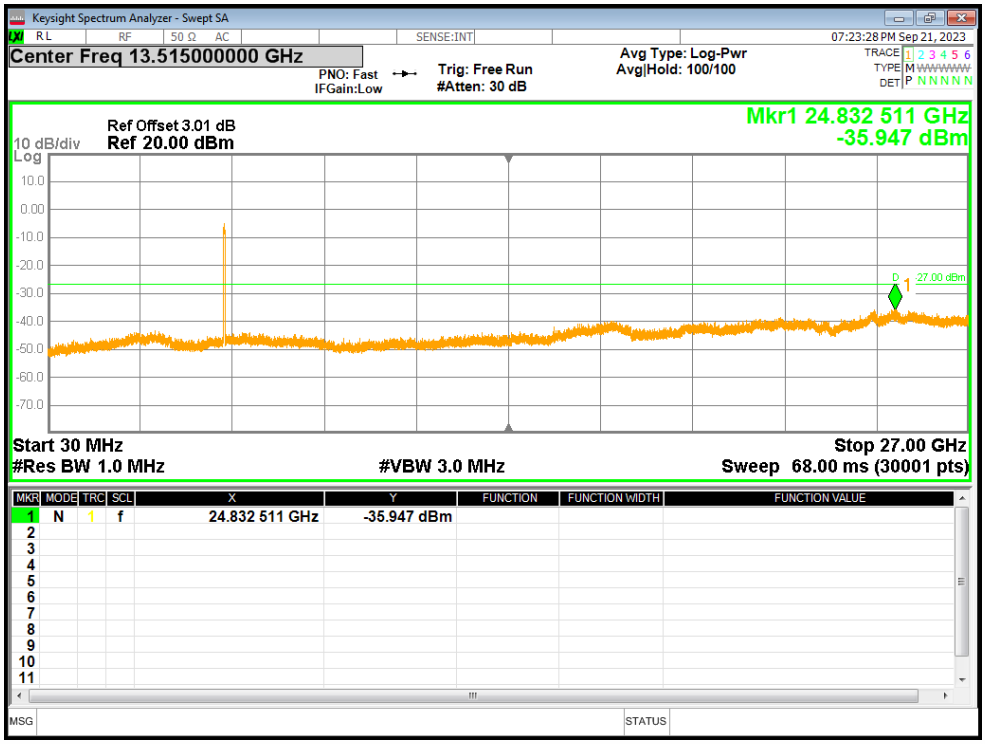
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



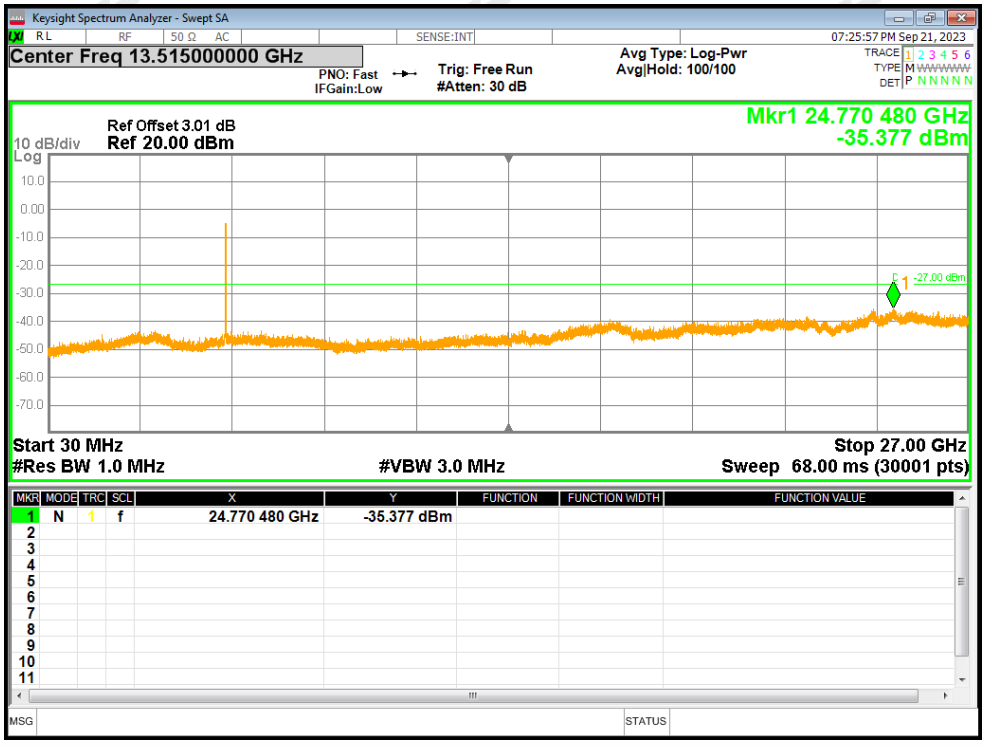
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



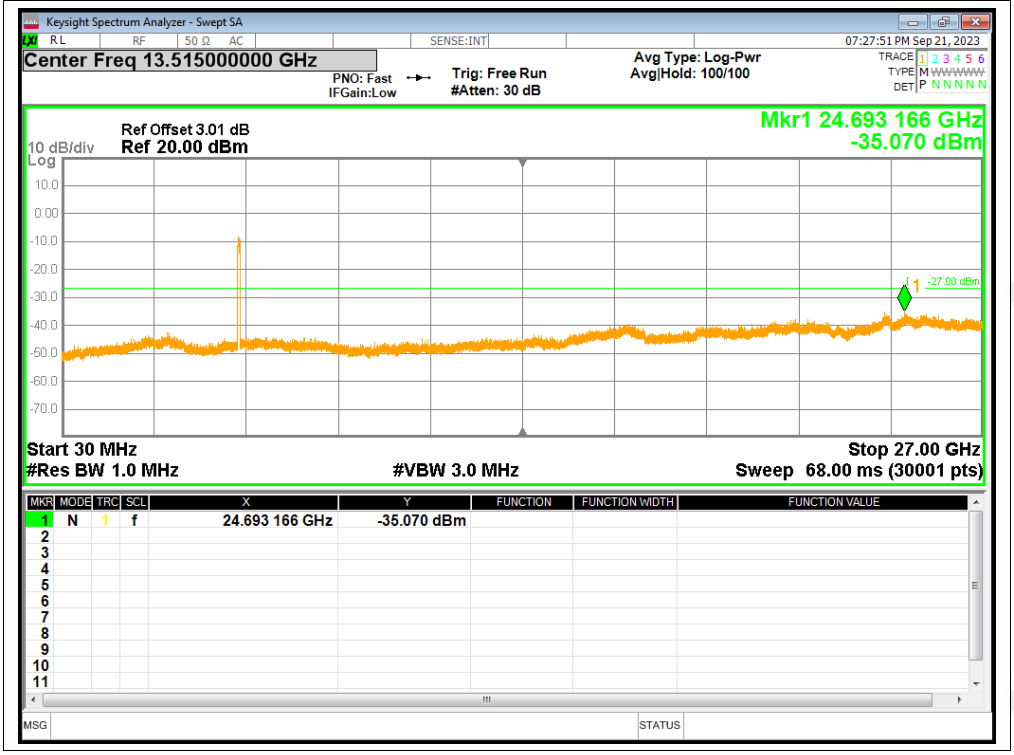
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



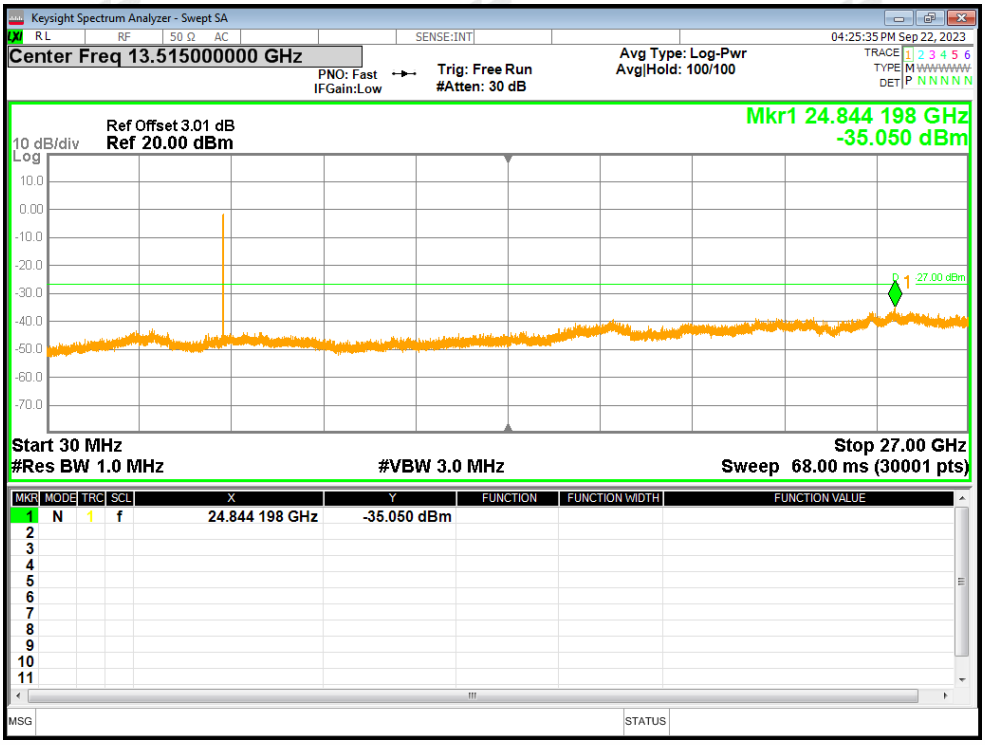
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



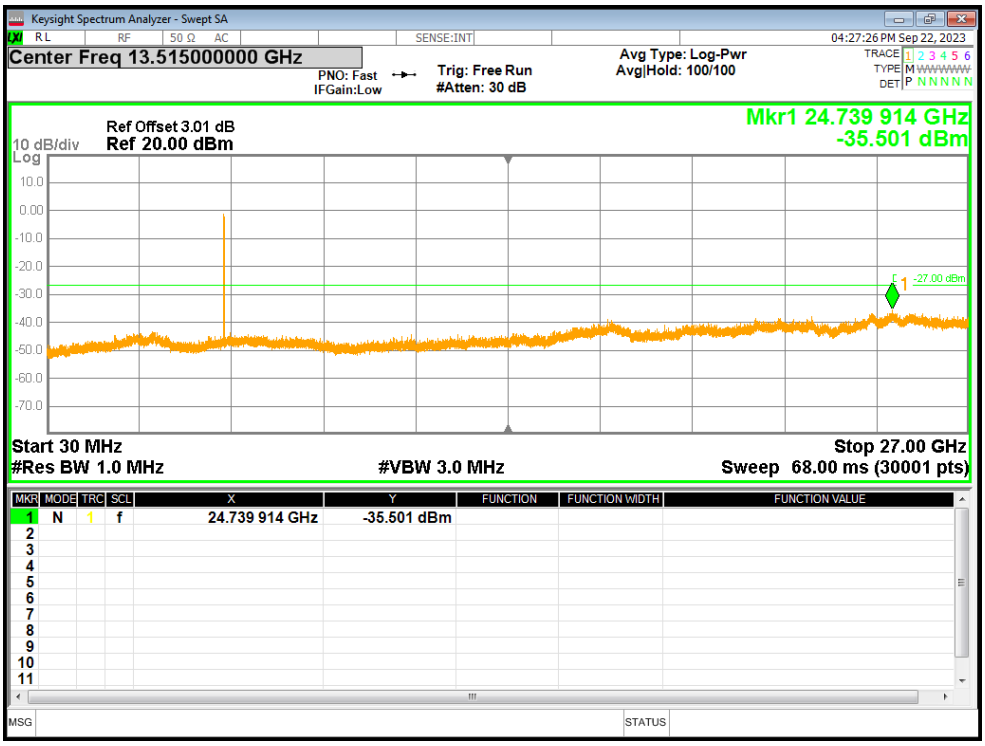
Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



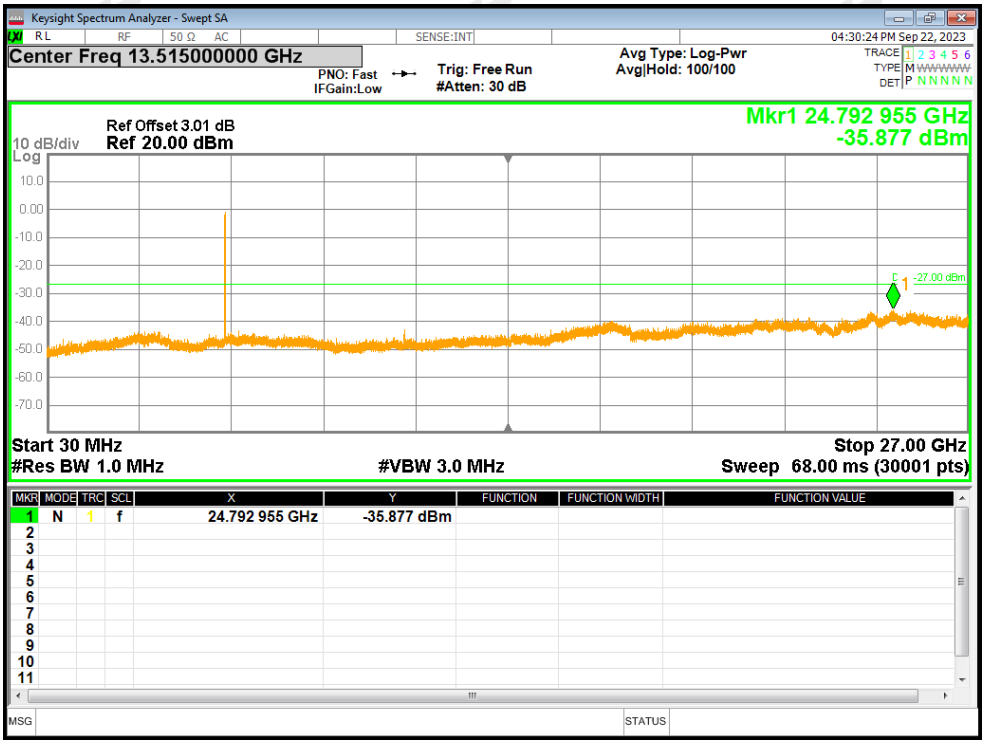
Tx. Spurious NVNT a 5180MHz Ant2 Emission



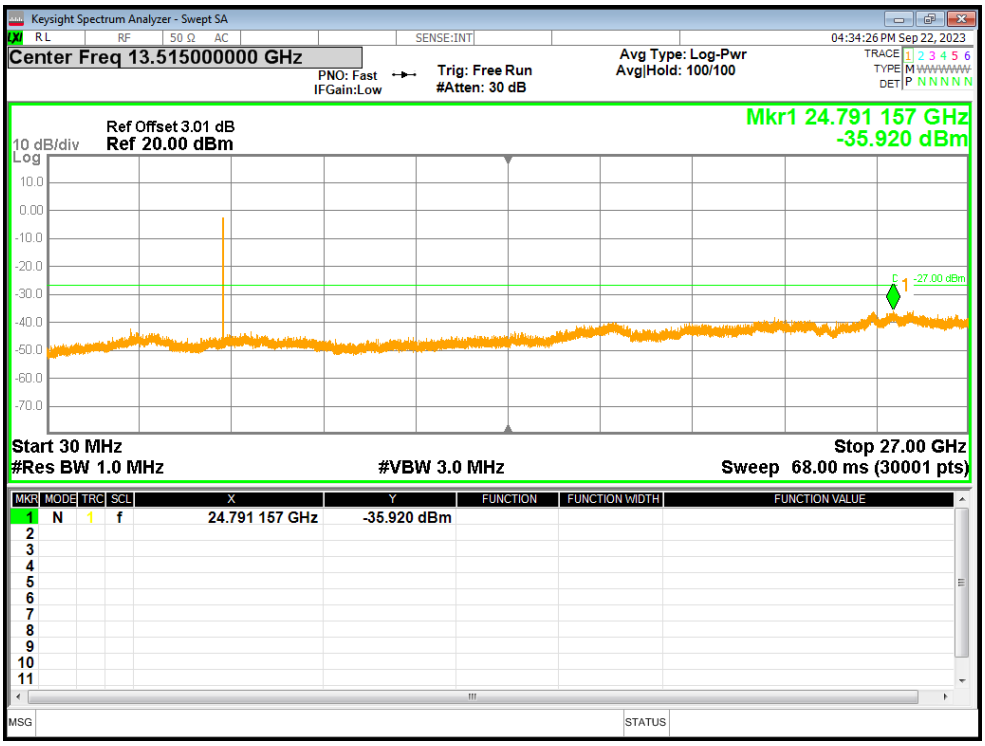
Tx. Spurious NVNT a 5200MHz Ant2 Emission



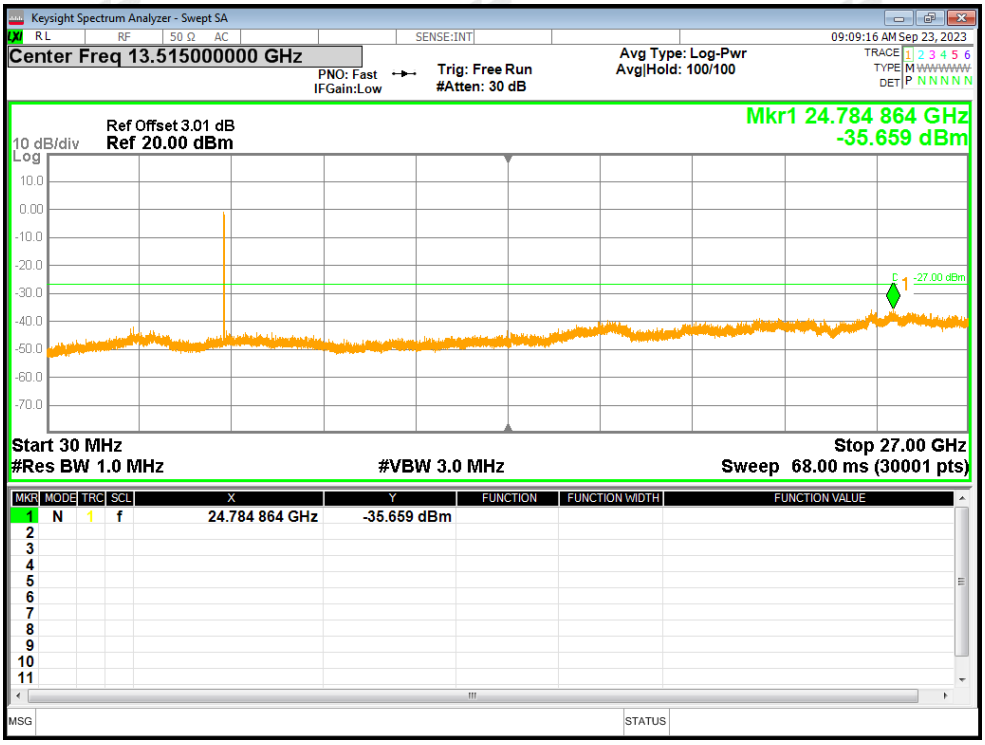
Tx. Spurious NVNT a 5240MHz Ant2 Emission



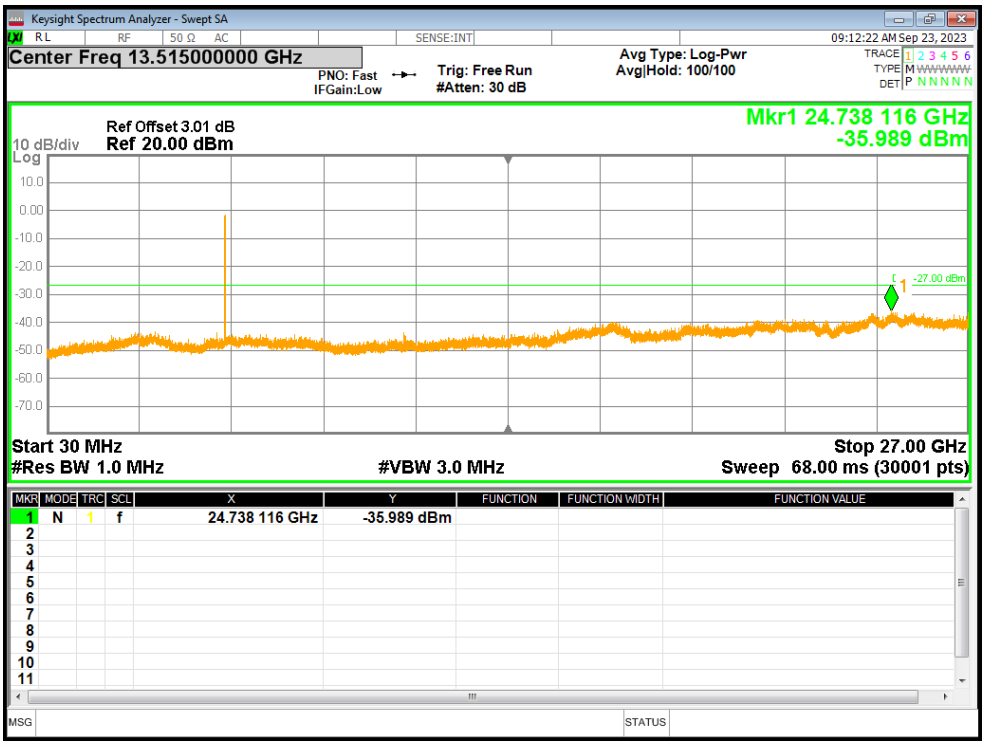
Tx. Spurious NVNT n20 5180MHz Ant2 Emission



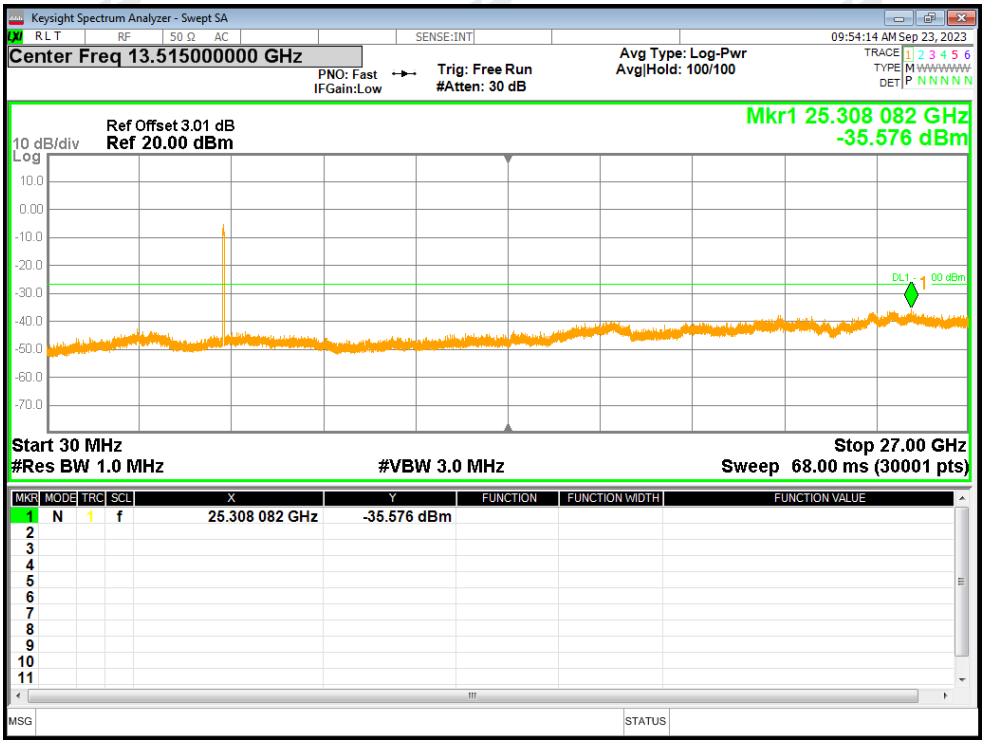
Tx. Spurious NVNT n20 5200MHz Ant2 Emission



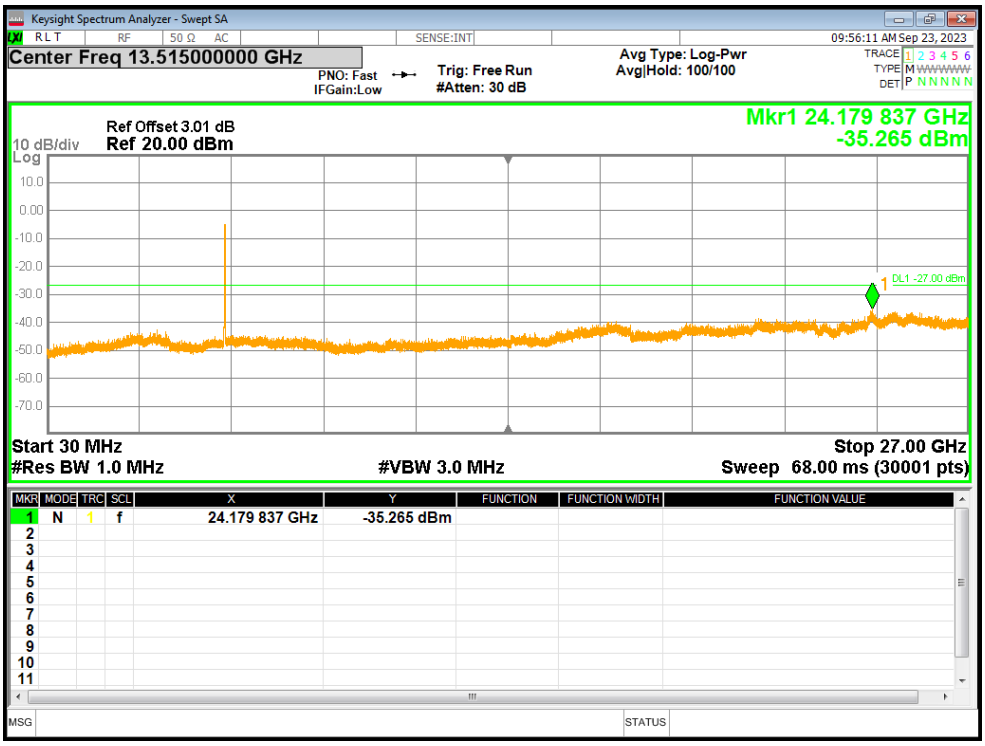
Tx. Spurious NVNT n20 5240MHz Ant2 Emission



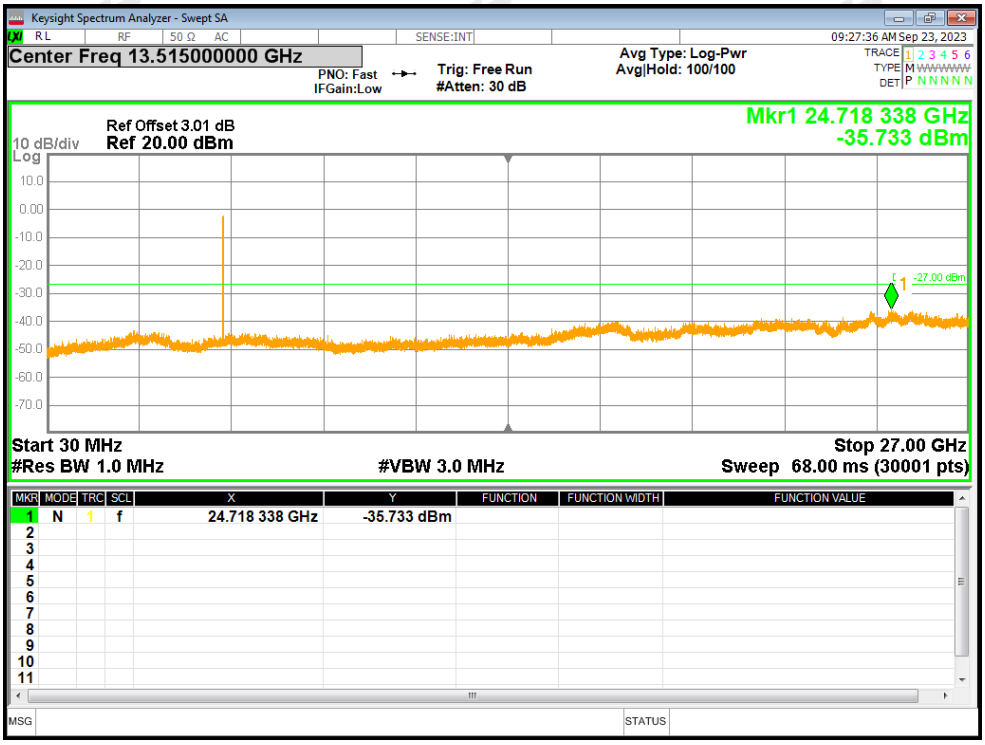
Tx. Spurious NVNT n40 5190MHz Ant2 Emission



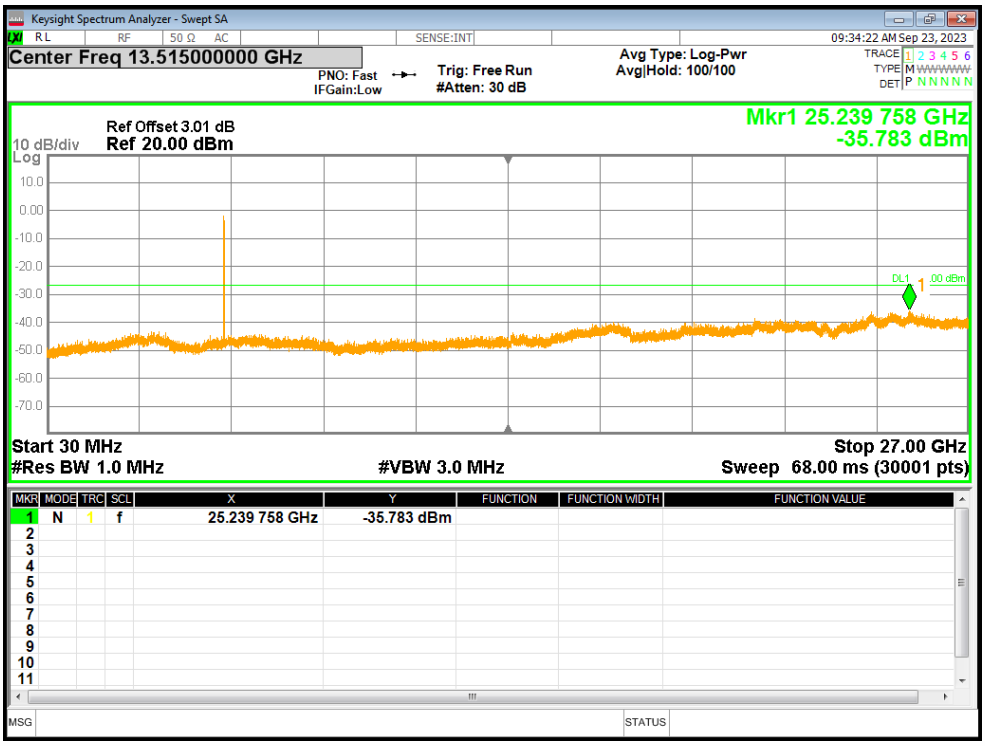
Tx. Spurious NVNT n40 5230MHz Ant2 Emission



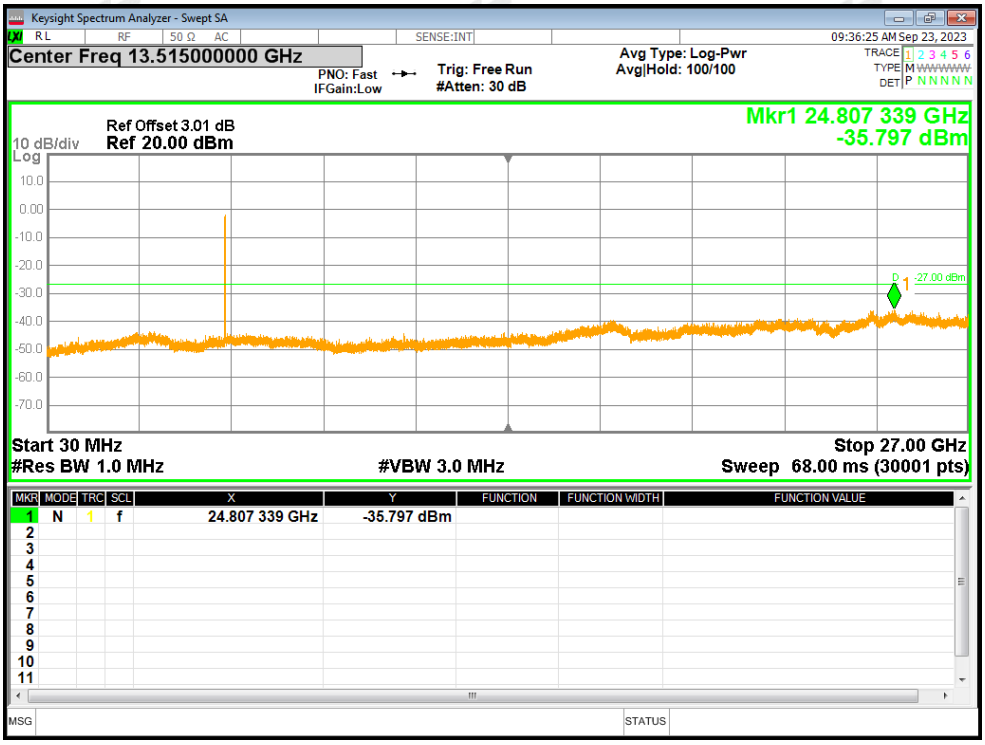
Tx. Spurious NVNT ac20 5180MHz Ant2 Emission



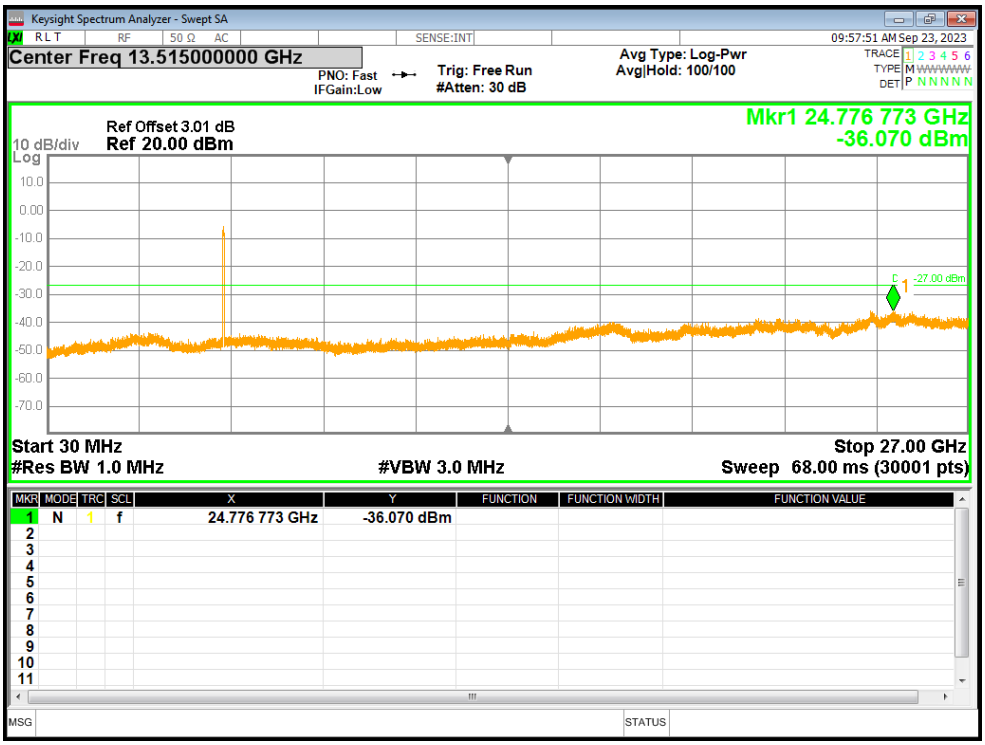
Tx. Spurious NVNT ac20 5200MHz Ant2 Emission



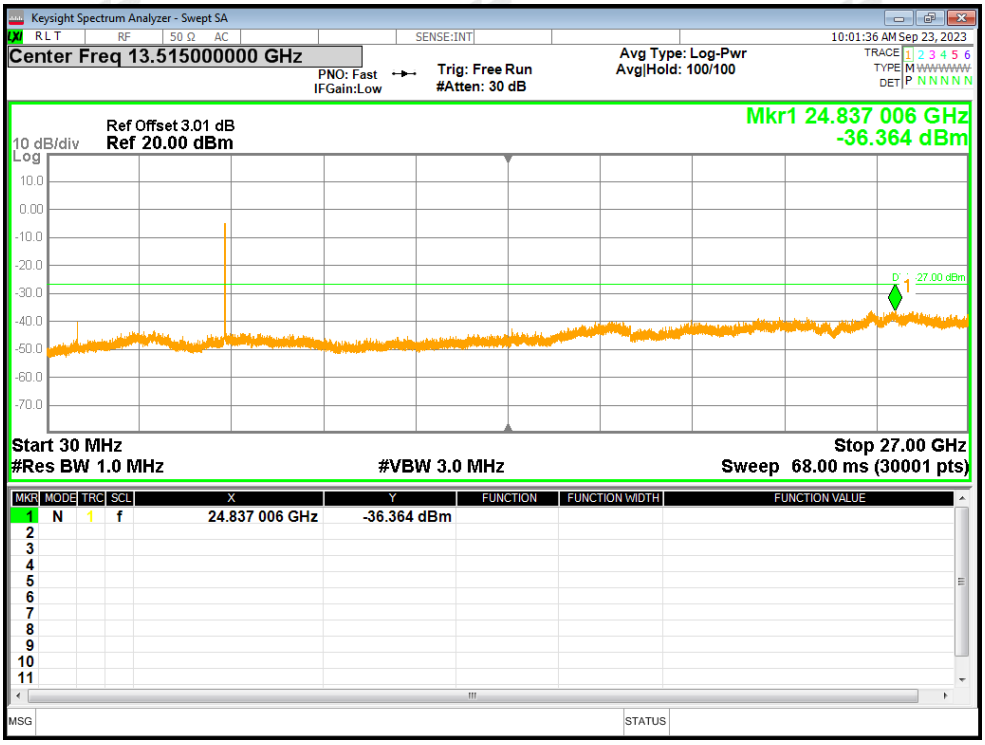
Tx. Spurious NVNT ac20 5240MHz Ant2 Emission



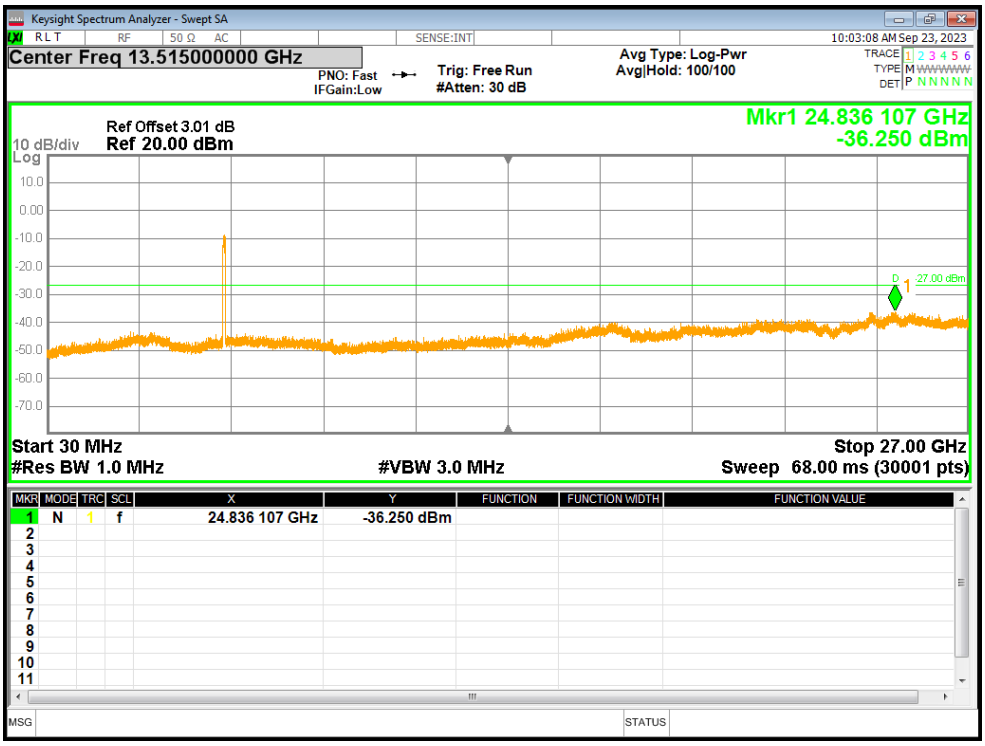
Tx. Spurious NVNT ac40 5190MHz Ant2 Emission



Tx. Spurious NVNT ac40 5230MHz Ant2 Emission



Tx. Spurious NVNT ac80 5210MHz Ant2 Emission



B.8 Frequency Stability

Voltage							
TestMode	Channel	Voltage [Vdc]	Temperature (℃)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5180	NV	NT	-120000	-23.17	Within 5150-5250MHz	Pass
		LV	NT	-120000	-23.17		
		HV	NT	-120000	-23.17		
	5200	NV	NT	-120000	-23.08		
		LV	NT	-120000	-23.08		
		HV	NT	-120000	-23.08		
	5240	NV	NT	-120000	-22.9		
		LV	NT	-120000	-22.9		
		HV	NT	-120000	-22.9		
n20	5180	NV	NT	-120000	-23.17		
		LV	NT	-120000	-23.17		
		HV	NT	-120000	-23.17		
	5200	NV	NT	-120000	-23.08		
		LV	NT	-120000	-23.08		
		HV	NT	-120000	-23.08		
	5240	NV	NT	-120000	-22.9		
		LV	NT	-120000	-22.9		
		HV	NT	-120000	-22.9		
ac20	5180	NV	NT	-120000	-23.17		
		LV	NT	-120000	-23.17		
		HV	NT	-120000	-23.17		
	5200	NV	NT	-120000	-23.08		
		LV	NT	-120000	-23.08		
		HV	NT	-120000	-23.08		
	5240	NV	NT	-120000	-22.9		
		LV	NT	-120000	-22.9		
		HV	NT	-120000	-22.9		

n40	5190	NV	NT	-120000	-23.12	Within 5150-5250MHz	Pass
		LV	NT	-120000	-23.12		
		HV	NT	-120000	-23.12		
	5230	NV	NT	-80000	-15.3		
		LV	NT	-80000	-15.3		
		HV	NT	-80000	-15.3		
ac40	5190	NV	NT	-120000	-23.12		
		LV	NT	-120000	-23.12		
		HV	NT	-120000	-23.12		
	5230	NV	NT	-80000	-15.3		
		LV	NT	-80000	-15.3		
		HV	NT	-80000	-15.3		
ac80	5210	NV	NT	-80000	-15.36		
		LV	NT	-80000	-15.36		
		HV	NT	-80000	-15.36		

Voltage							
TestMode	Channel	Voltage [Vdc]	Temperature (℃)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5180	NV	20	-120000	-23.17	Within 5150-5250MHz	Pass
		NV	30	-120000	-23.17		
		NV	50	-120000	-23.17		
	5200	NV	20	-120000	-23.08		
		NV	30	-120000	-23.08		
		NV	50	-120000	-23.08		
	5240	NV	20	-120000	-22.9		
		NV	30	-120000	-22.9		
		NV	50	-120000	-22.9		
n20	5180	NV	20	-120000	-23.17		
		NV	30	-120000	-23.17		
		NV	50	-120000	-23.17		
	5200	NV	20	-120000	-23.08		
		NV	30	-120000	-23.08		
		NV	50	-120000	-23.08		
	5240	NV	20	-120000	-22.9		
		NV	30	-120000	-22.9		
		NV	50	-120000	-22.9		
ac20	5180	NV	20	-120000	-23.17		
		NV	30	-120000	-23.17		
		NV	50	-120000	-23.17		
	5200	NV	20	-120000	-23.08		
		NV	30	-120000	-23.08		
		NV	50	-120000	-23.08		
	5240	NV	20	-120000	-22.9		
		NV	30	-120000	-22.9		
		NV	50	-120000	-22.9		

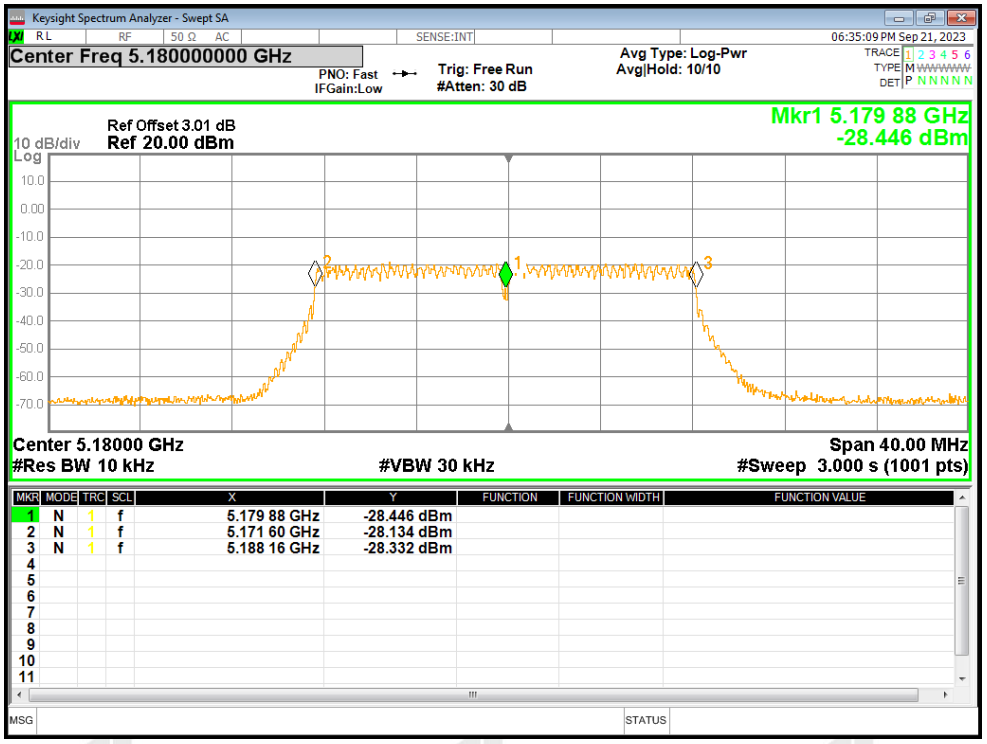
n40	5190	NV	20	-120000	-23.12	Within 5150-5250MHz	Pass
		NV	30	-120000	-23.12		
		NV	50	-120000	-23.12		
	5230	NV	20	-80000	-15.3		
		NV	30	-80000	-15.3		
		NV	50	-80000	-15.3		
ac40	5190	NV	20	-120000	-23.12		
		NV	30	-120000	-23.12		
		NV	50	-120000	-23.12		
	5230	NV	20	-80000	-15.3		
		NV	30	-80000	-15.3		
		NV	50	-80000	-15.3		
ac80	5210	NV	20	-80000	-15.36		
		NV	30	-80000	-15.36		
		NV	50	-80000	-15.36		

Note:Test temperature:+ 20° to + 50°

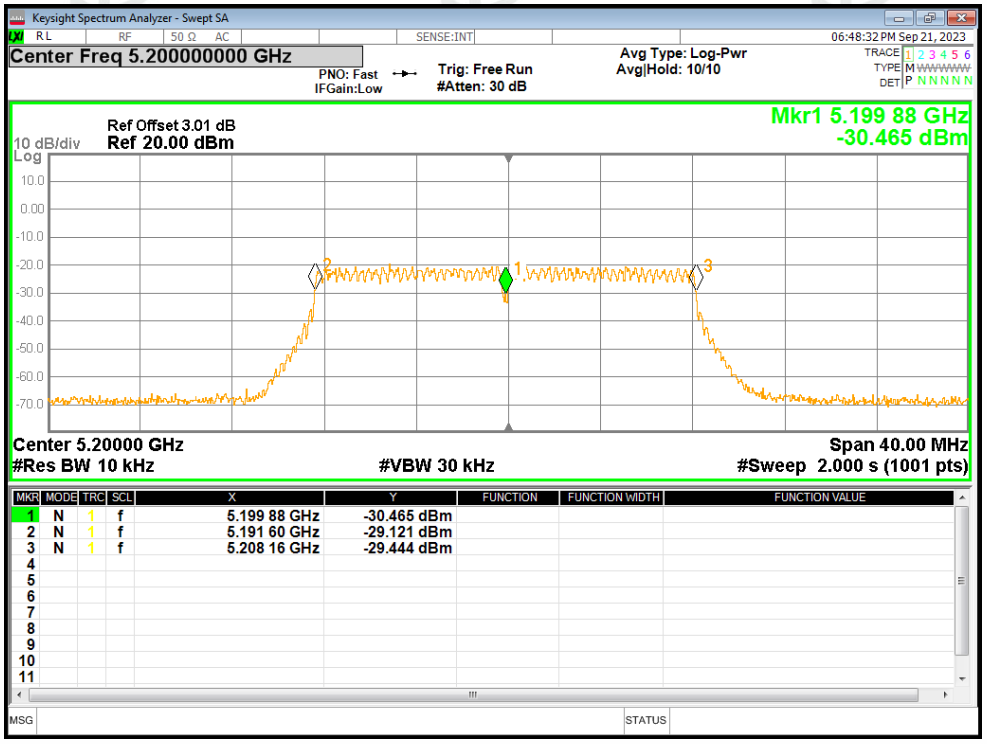
At room temperature, the test results are the worst, only reflecting the test results at room temperature.

Test Graphs

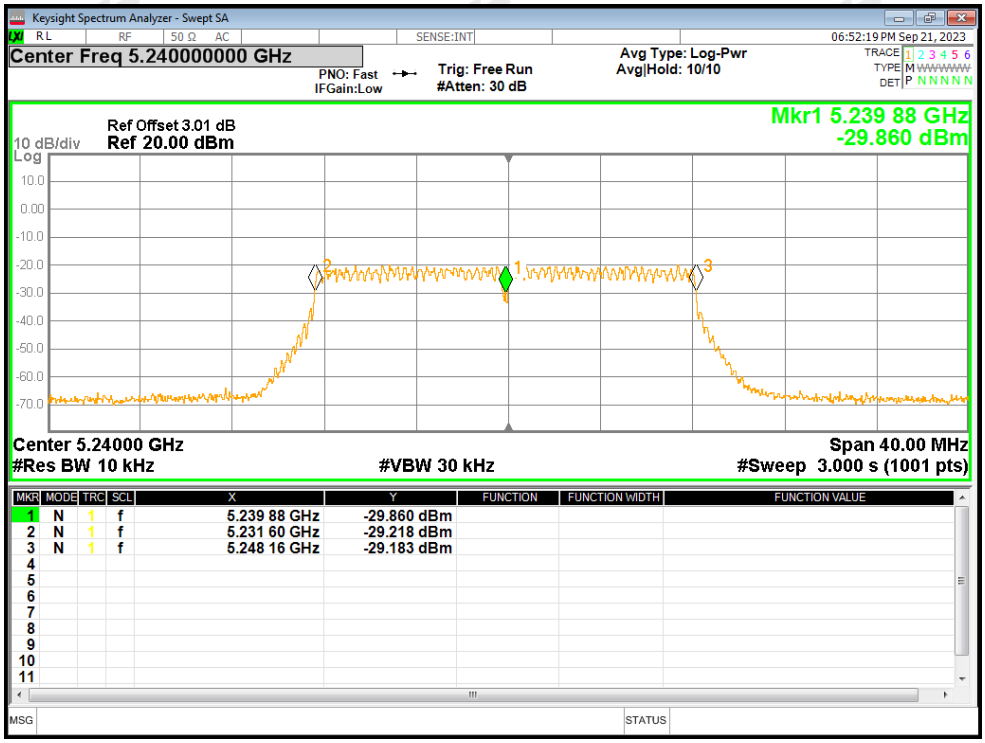
Freq. Stability NVNT a 5180MHz Ant1



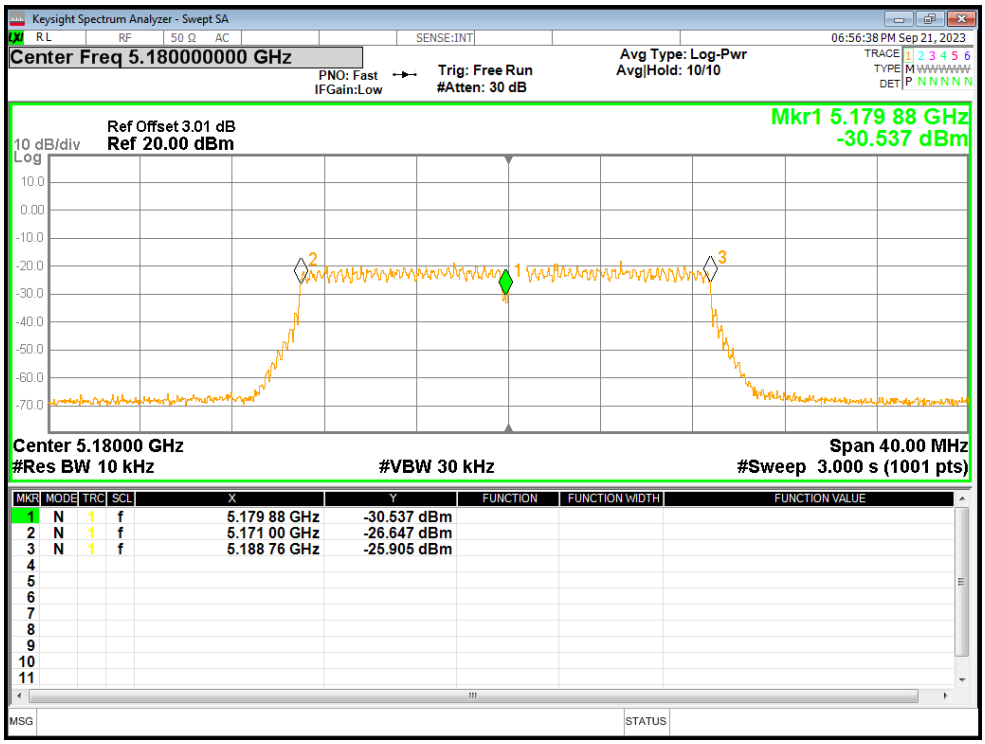
Freq. Stability NVNT a 5200MHz Ant1



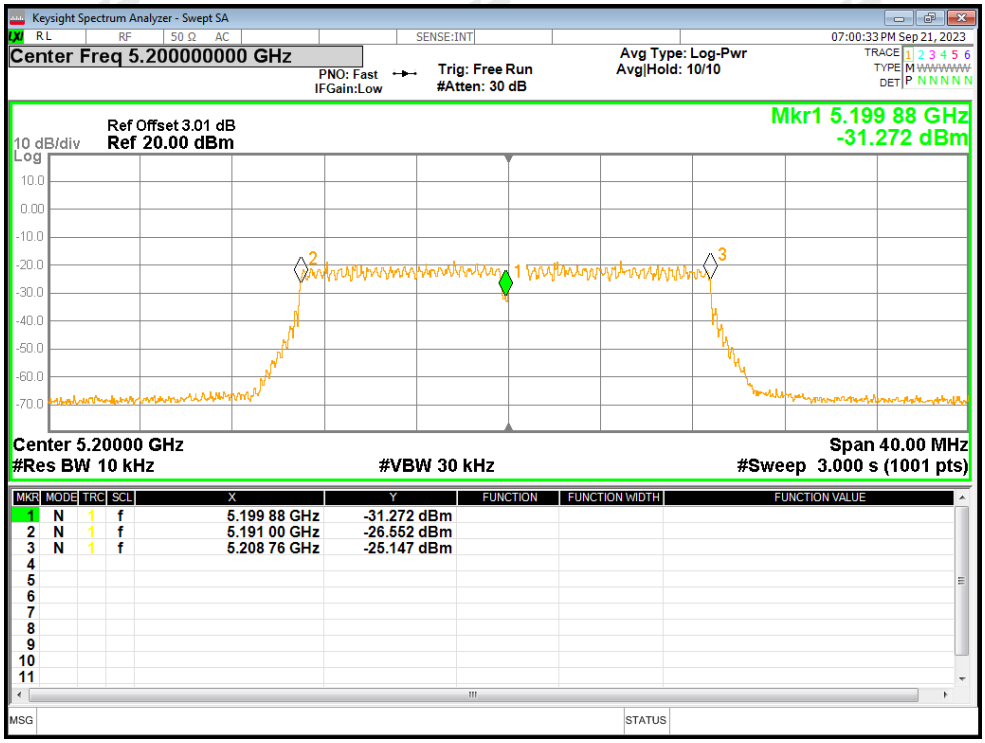
Freq. Stability NVNT a 5240MHz Ant1



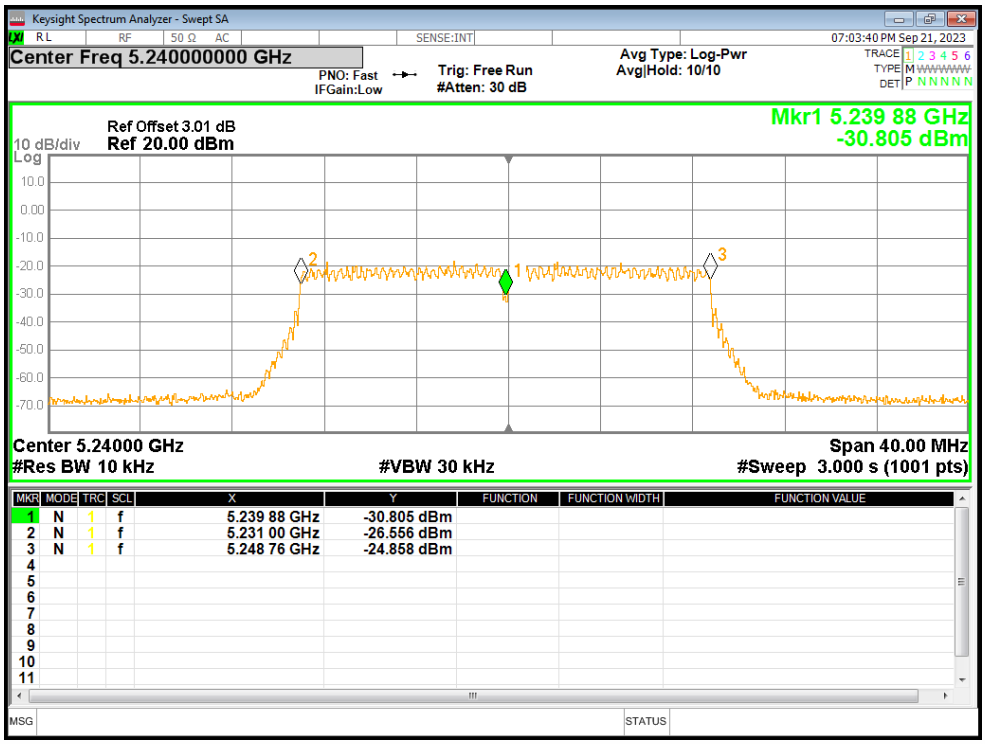
Freq. Stability NVNT n20 5180MHz Ant1



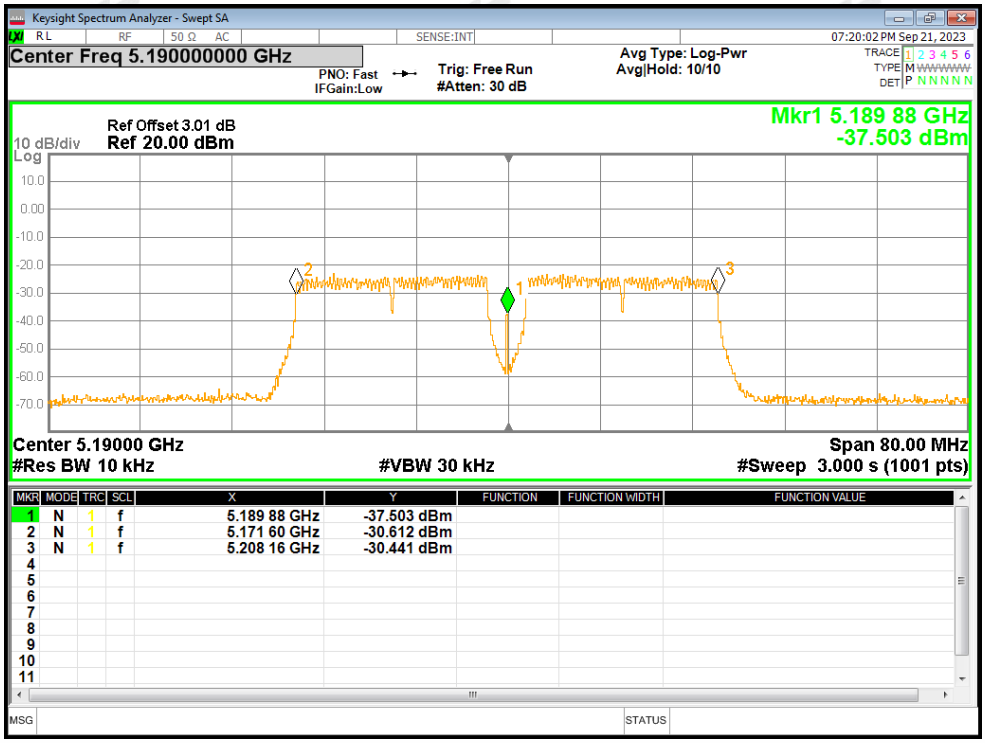
Freq. Stability NVNT n20 5200MHz Ant1



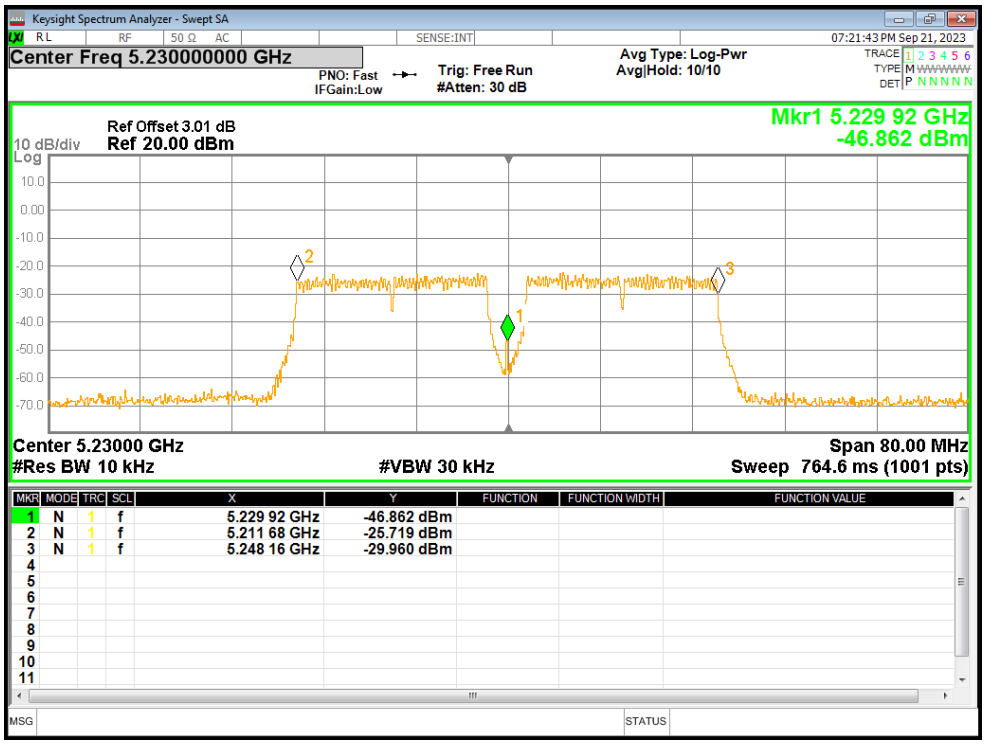
Freq. Stability NVNT n20 5240MHz Ant1



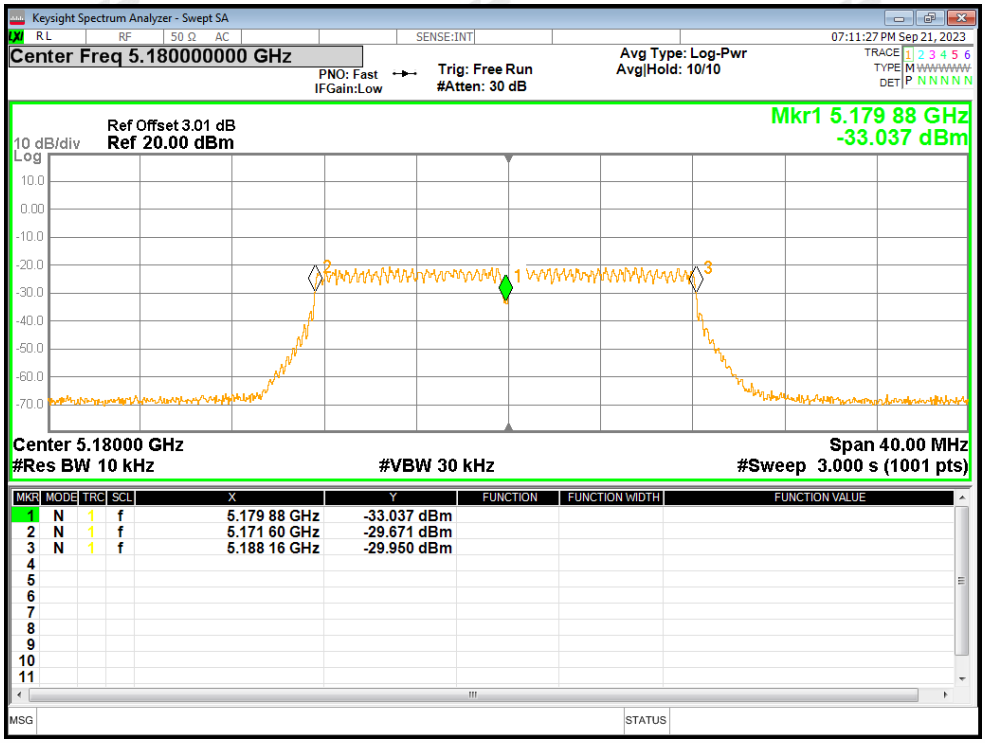
Freq. Stability NVNT n40 5190MHz Ant1



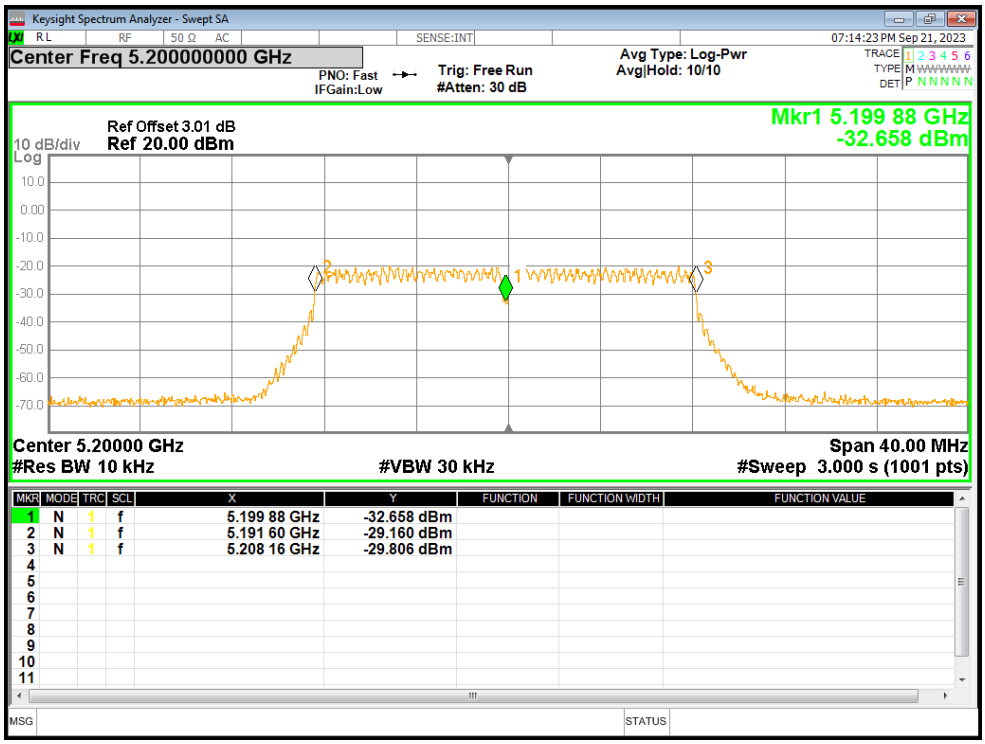
Freq. Stability NVNT n40 5230MHz Ant1



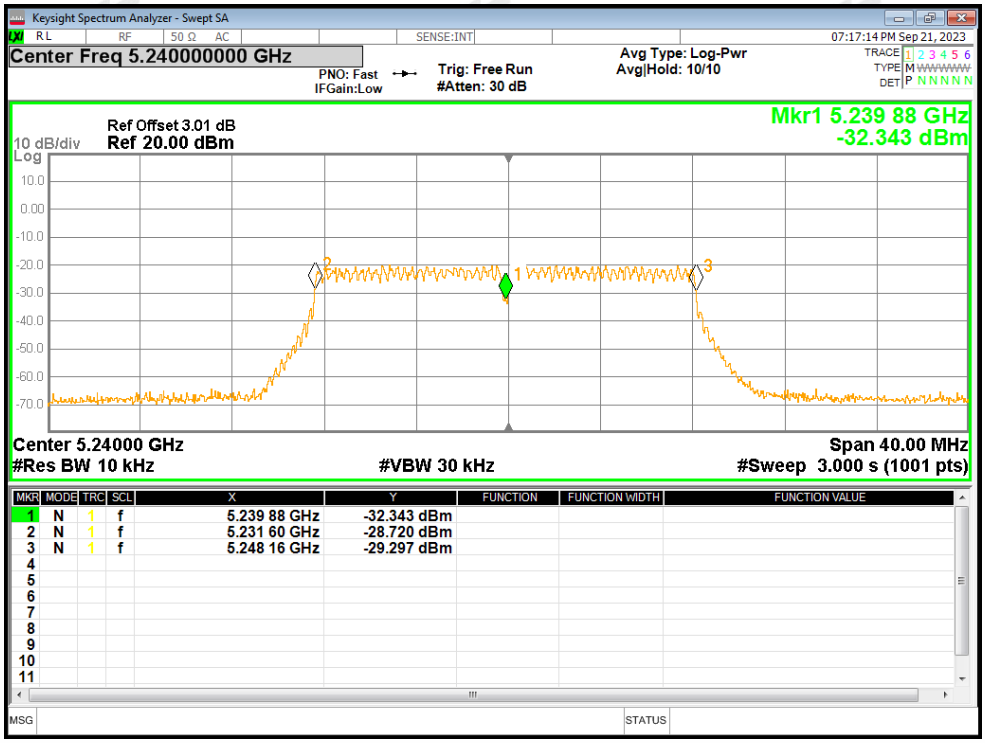
Freq. Stability NVNT ac20 5180MHz Ant1



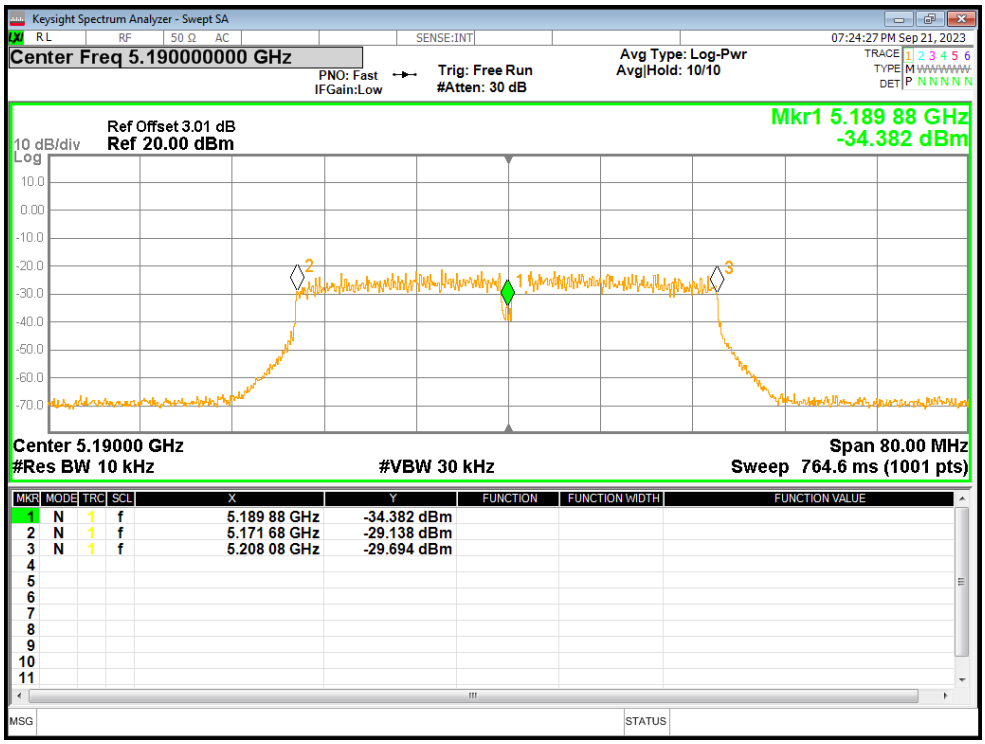
Freq. Stability NVNT ac20 5200MHz Ant1



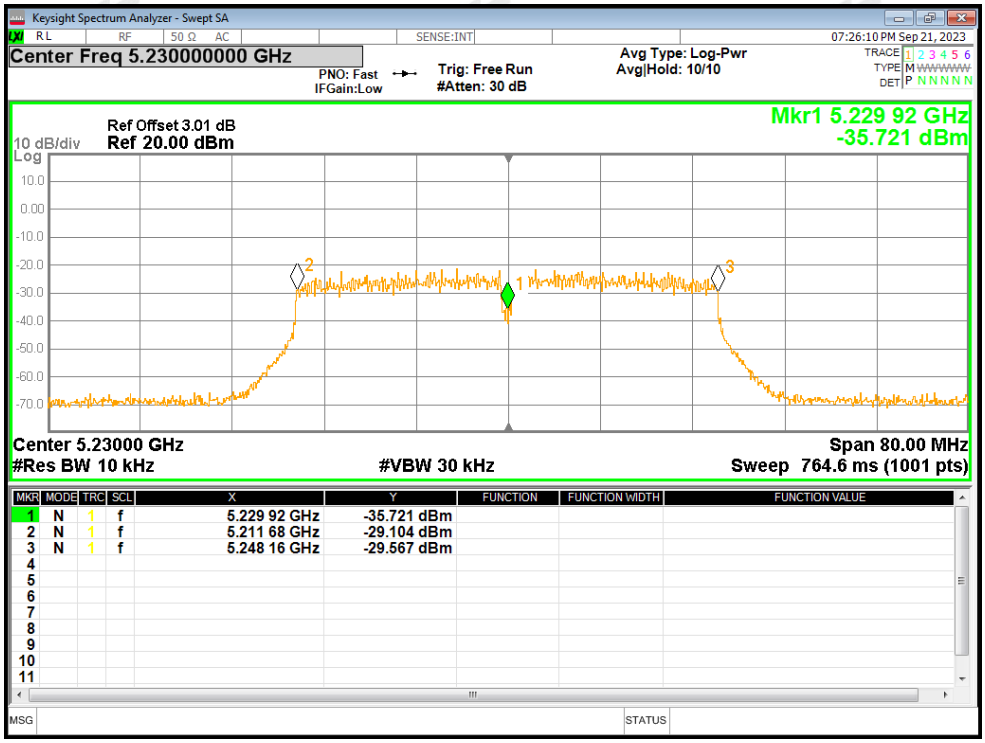
Freq. Stability NVNT ac20 5240MHz Ant1



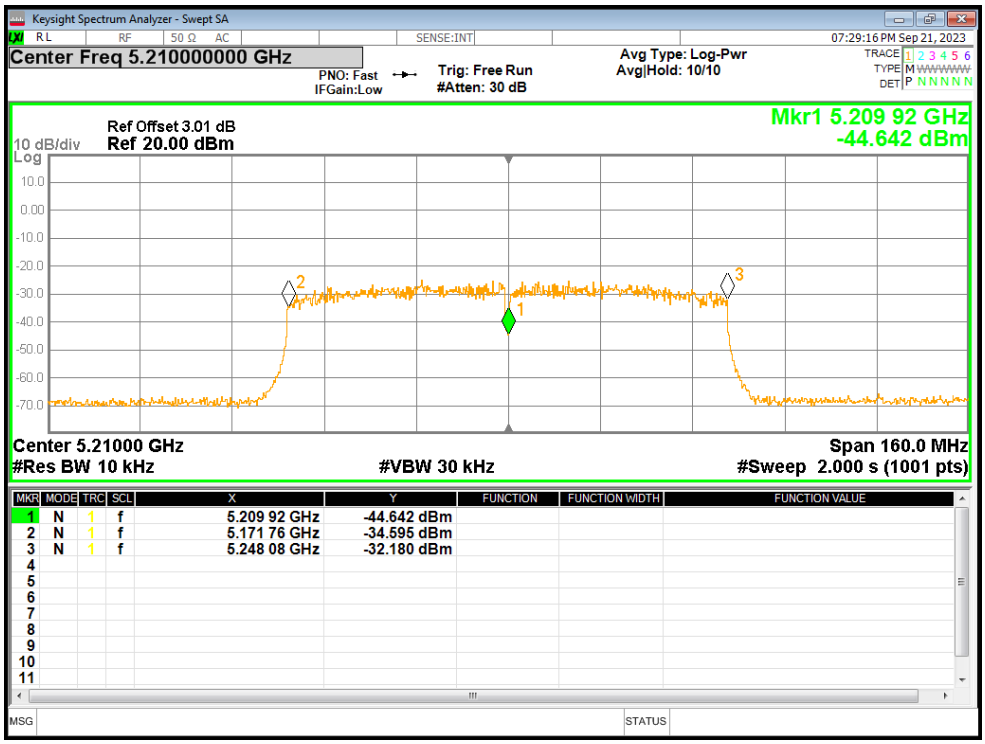
Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1

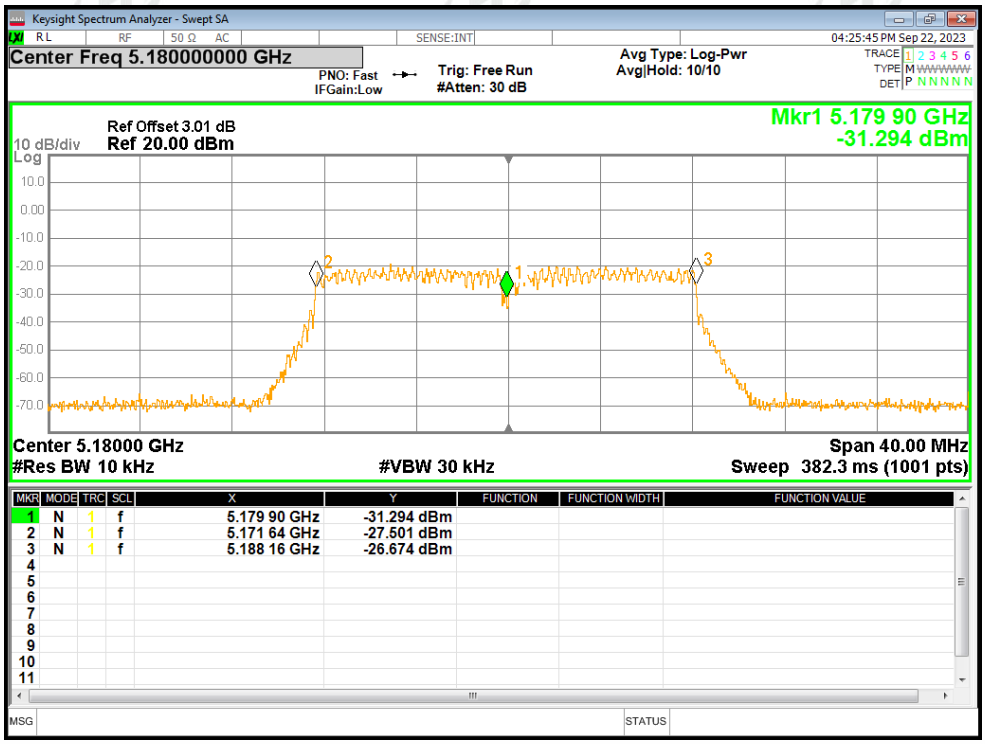


Freq. Stability NVNT ac80 5210MHz Ant1

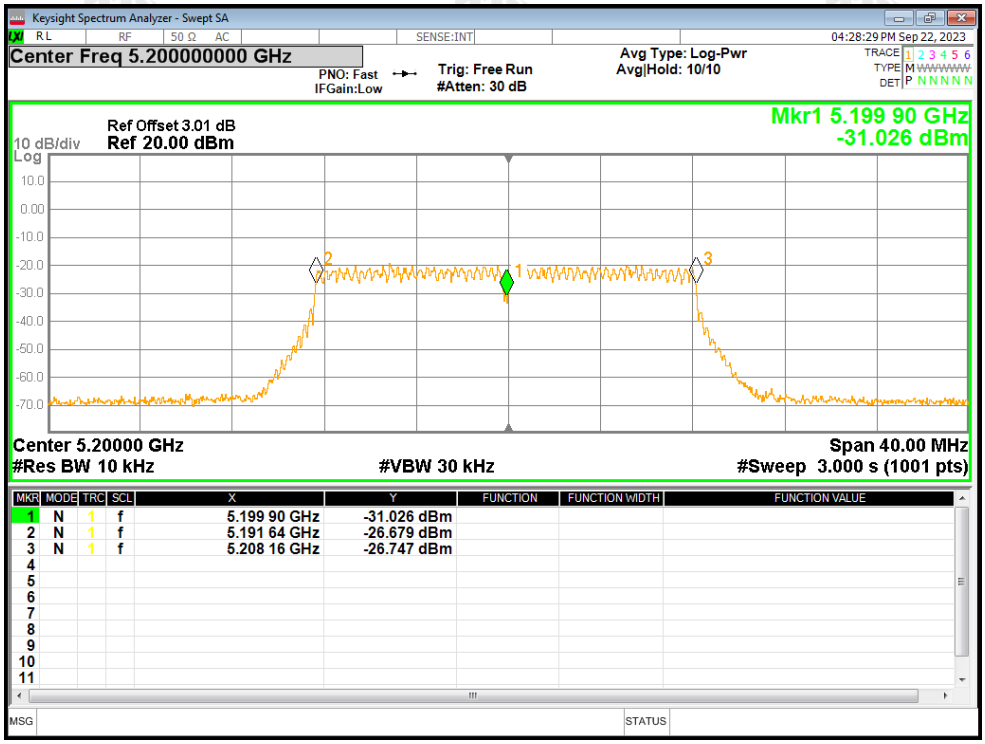


Test Graphs

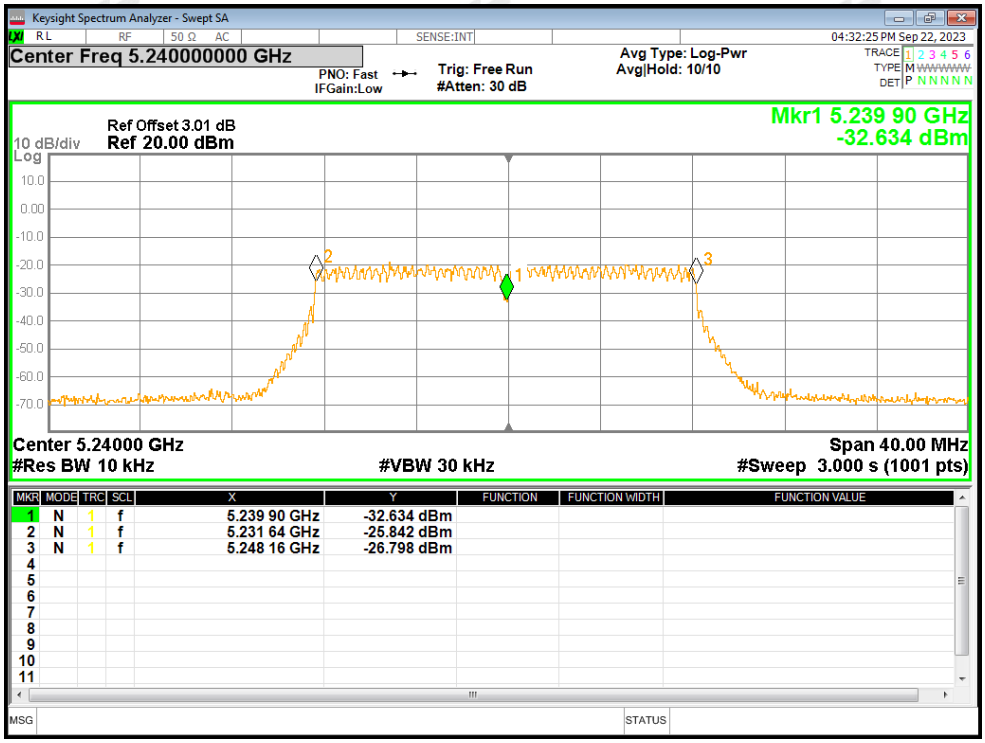
Freq. Stability NVNT a 5180MHz Ant2



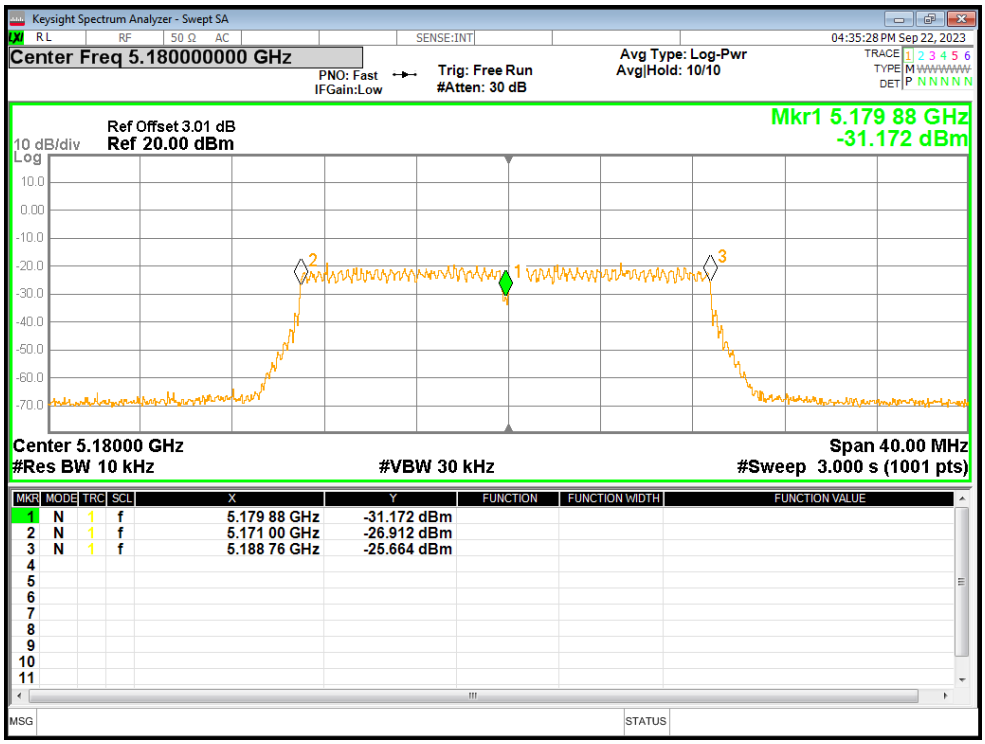
Freq. Stability NVNT a 5200MHz Ant2



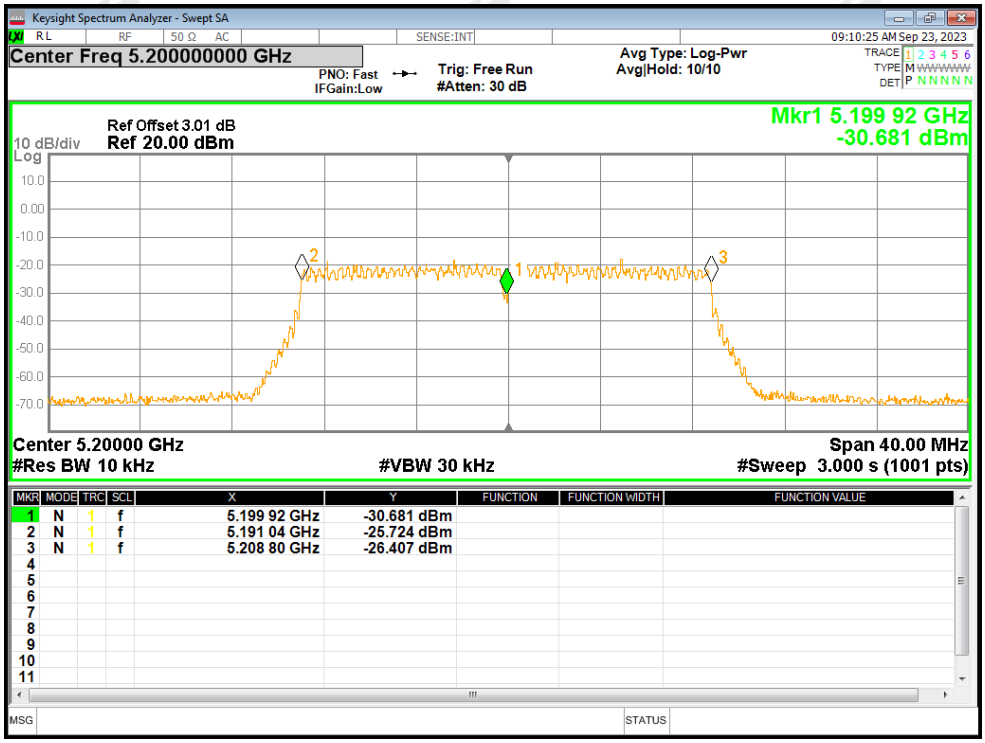
Freq. Stability NVNT a 5240MHz Ant2



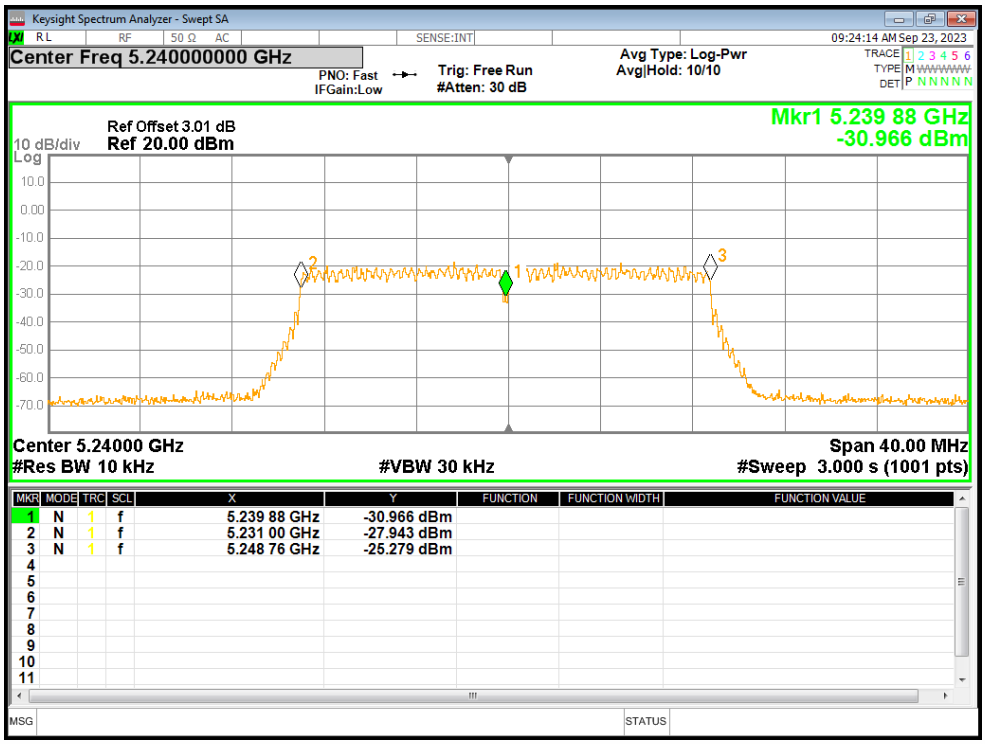
Freq. Stability NVNT n20 5180MHz Ant2



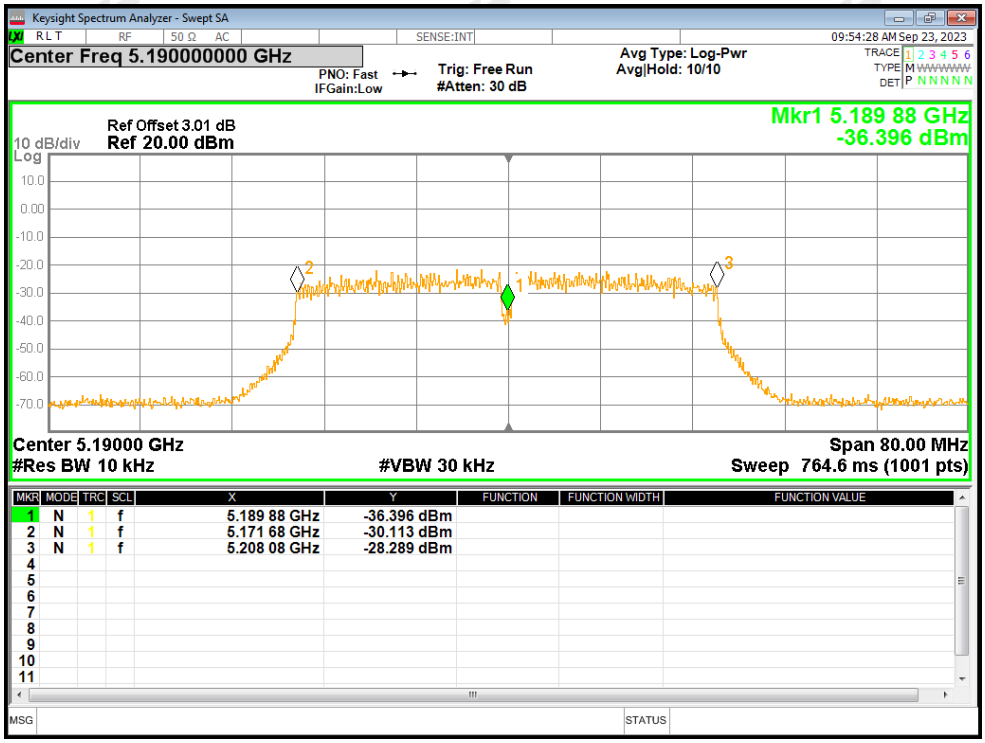
Freq. Stability NVNT n20 5200MHz Ant2



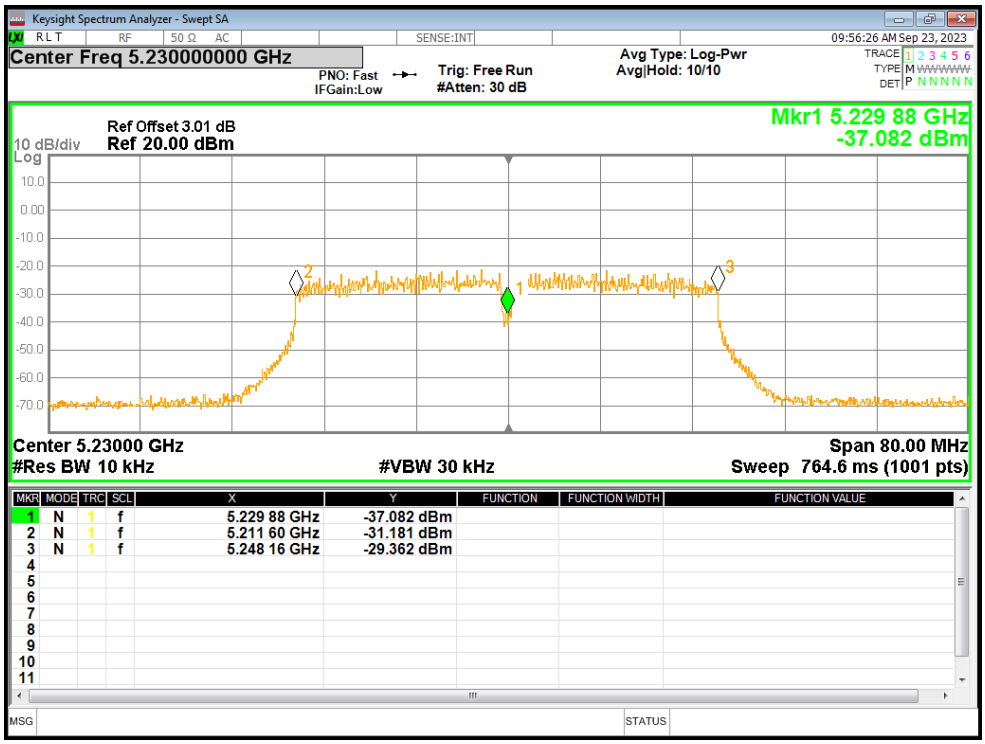
Freq. Stability NVNT n20 5240MHz Ant2



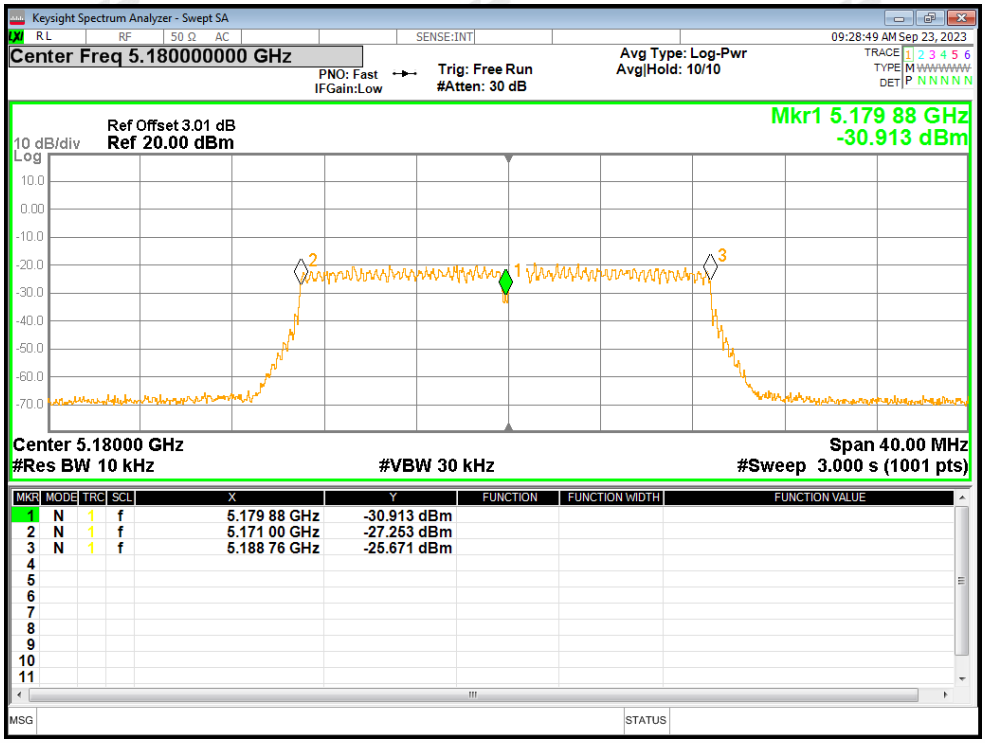
Freq. Stability NVNT n40 5190MHz Ant2



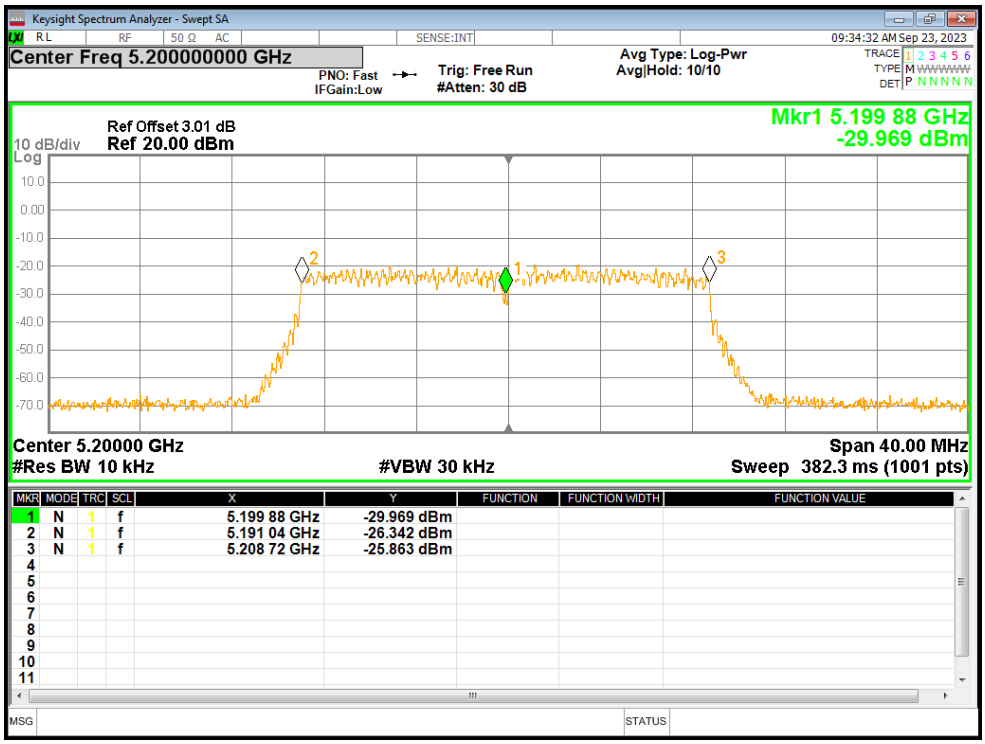
Freq. Stability NVNT n40 5230MHz Ant2



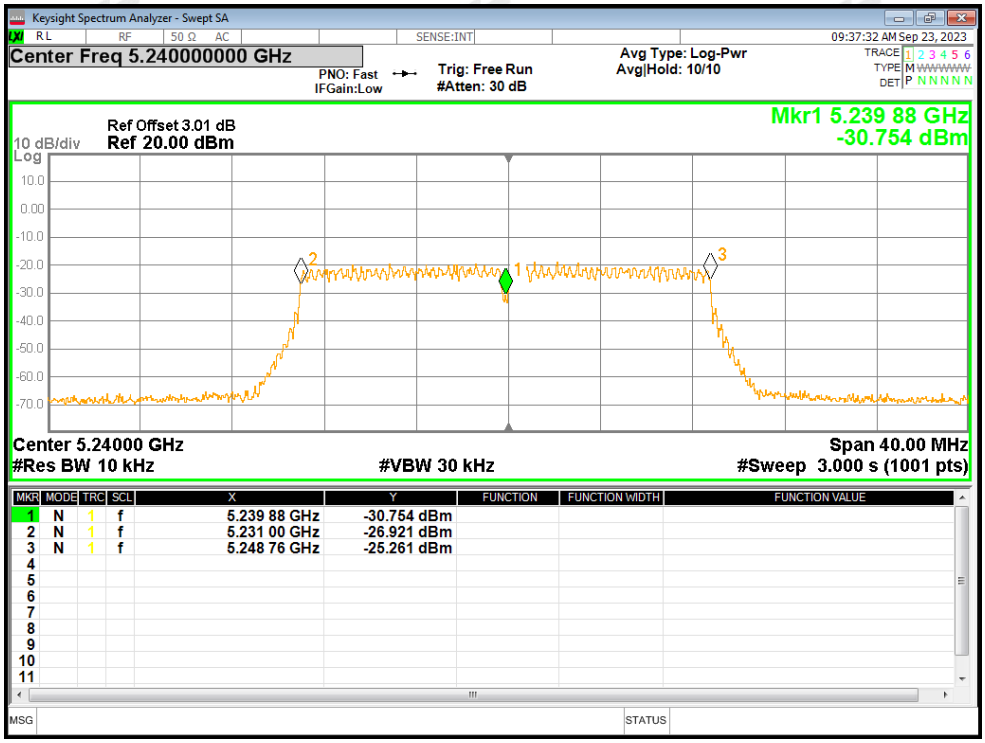
Freq. Stability NVNT ac20 5180MHz Ant2



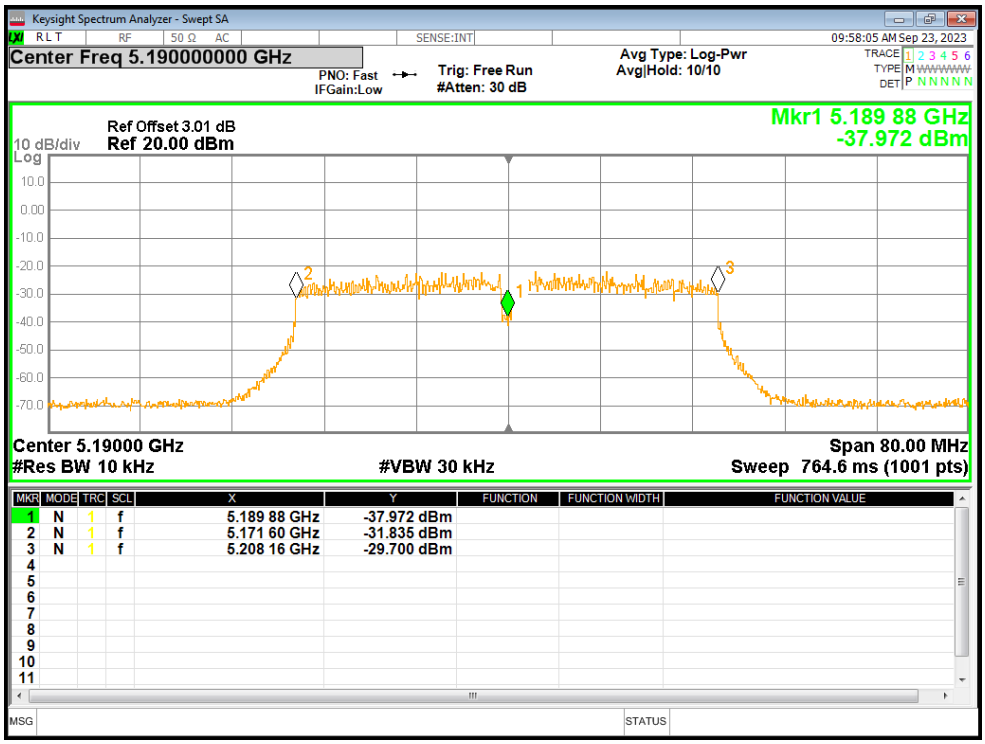
Freq. Stability NVNT ac20 5200MHz Ant2



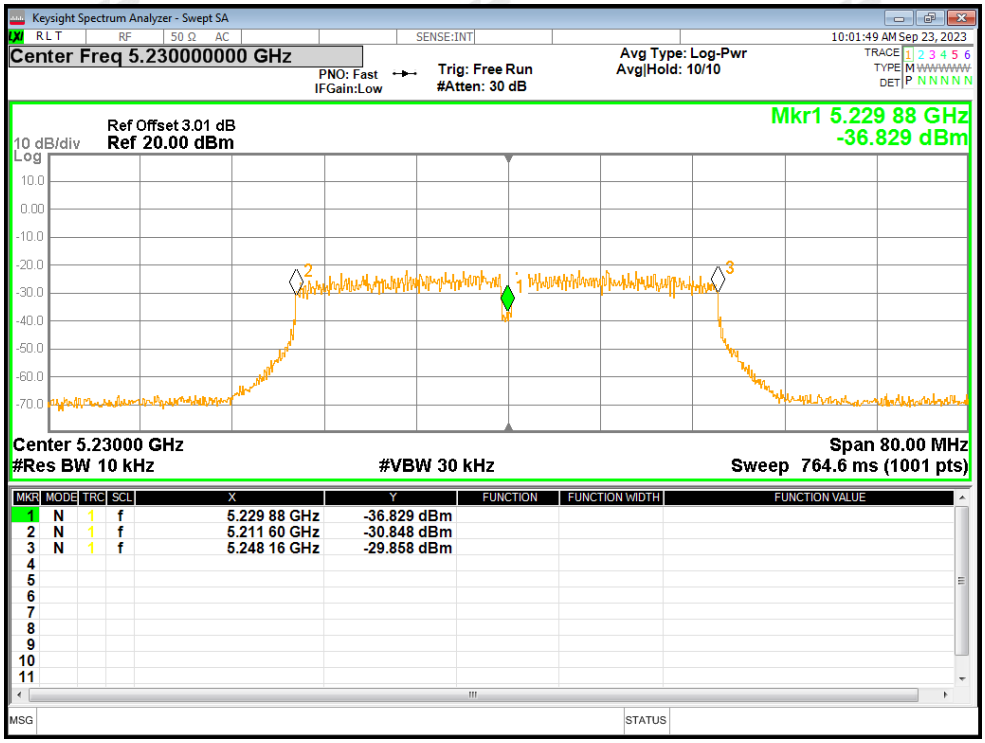
Freq. Stability NVNT ac20 5240MHz Ant2



Freq. Stability NVNT ac40 5190MHz Ant2



Freq. Stability NVNT ac40 5230MHz Ant2



Freq. Stability NVNT ac80 5210MHz Ant2