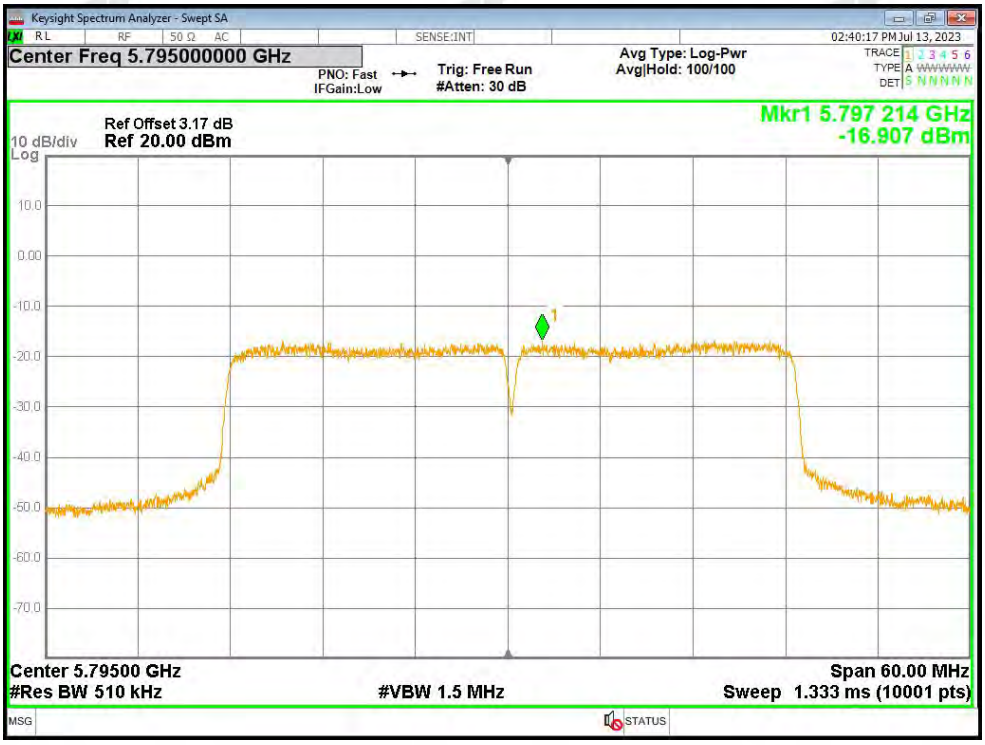
PSD NVNT ac20 5825MHz Ant1

PSD NVNT ac40 5755MHz Ant1

PSD NVNT ac40 5795MHz Ant1



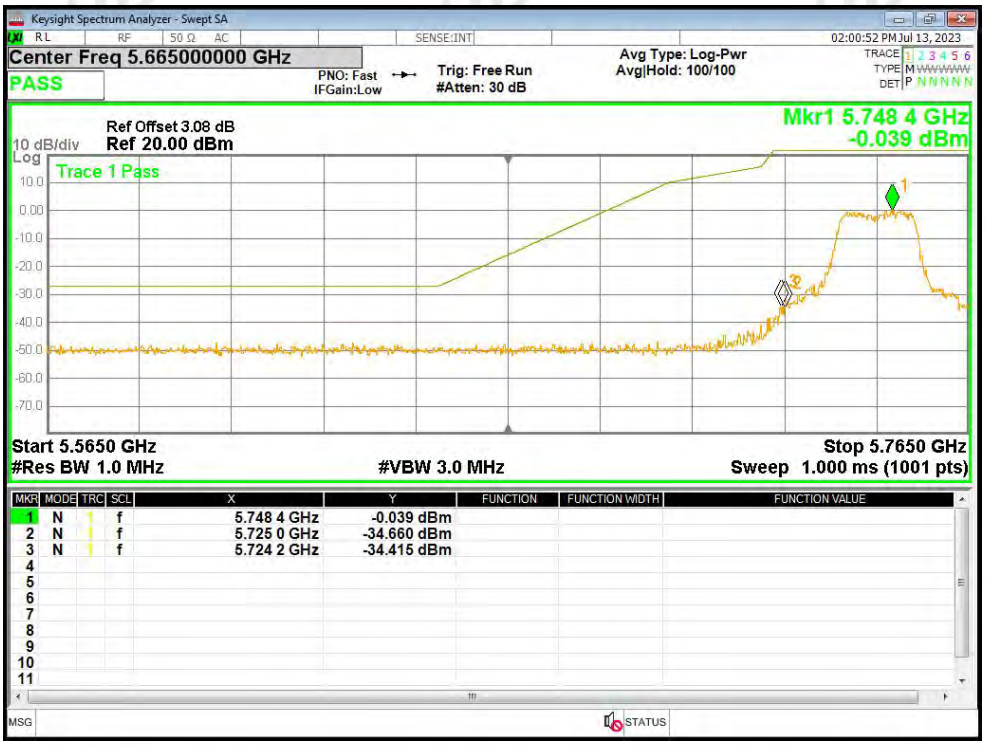
PSD NVNT ac80 5775MHz Ant1

B.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-34.41	Refer to below test plot	Pass
NVNT	a	5825	Ant1	-45.71	Refer to below test plot	Pass
NVNT	n20	5745	Ant1	-34.89	Refer to below test plot	Pass
NVNT	n20	5825	Ant1	-44.54	Refer to below test plot	Pass
NVNT	n40	5755	Ant1	-34.79	Refer to below test plot	Pass
NVNT	n40	5795	Ant1	-45.62	Refer to below test plot	Pass
NVNT	ac20	5745	Ant1	-35.24	Refer to below test plot	Pass
NVNT	ac20	5825	Ant1	-44.12	Refer to below test plot	Pass
NVNT	ac40	5755	Ant1	-29.1	Refer to below test plot	Pass
NVNT	ac40	5795	Ant1	-45.7	Refer to below test plot	Pass
NVNT	ac80	5775	Ant1	-45.56	Refer to below test plot	Pass

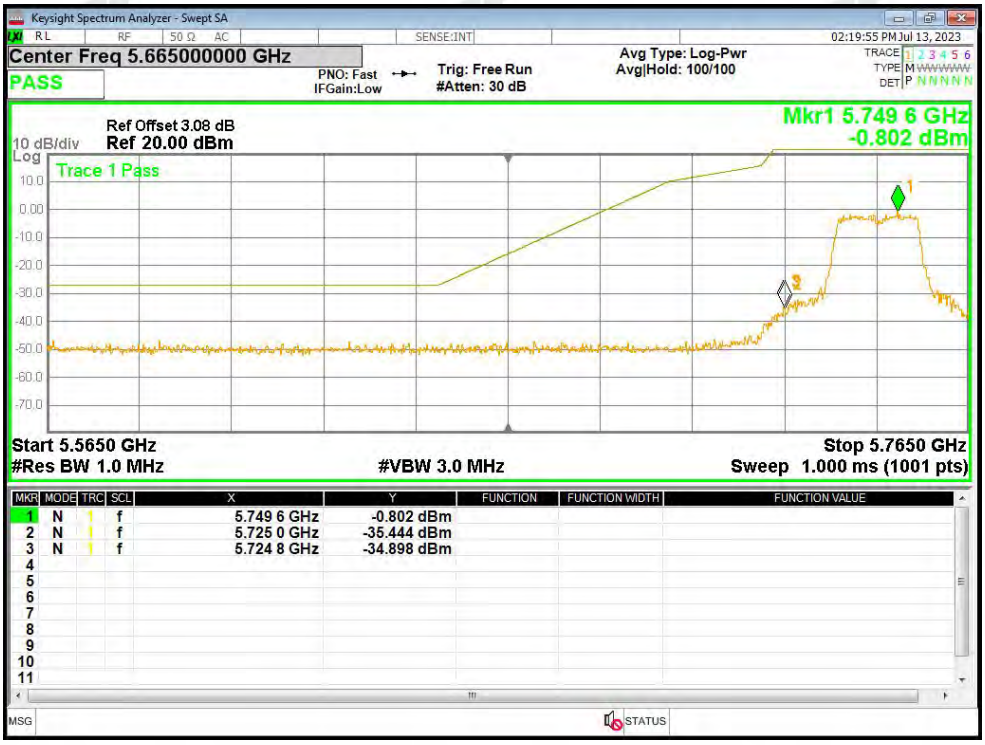
Test Graphs

Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1

Band Edge NVNT n20 5745MHz Low Ant1

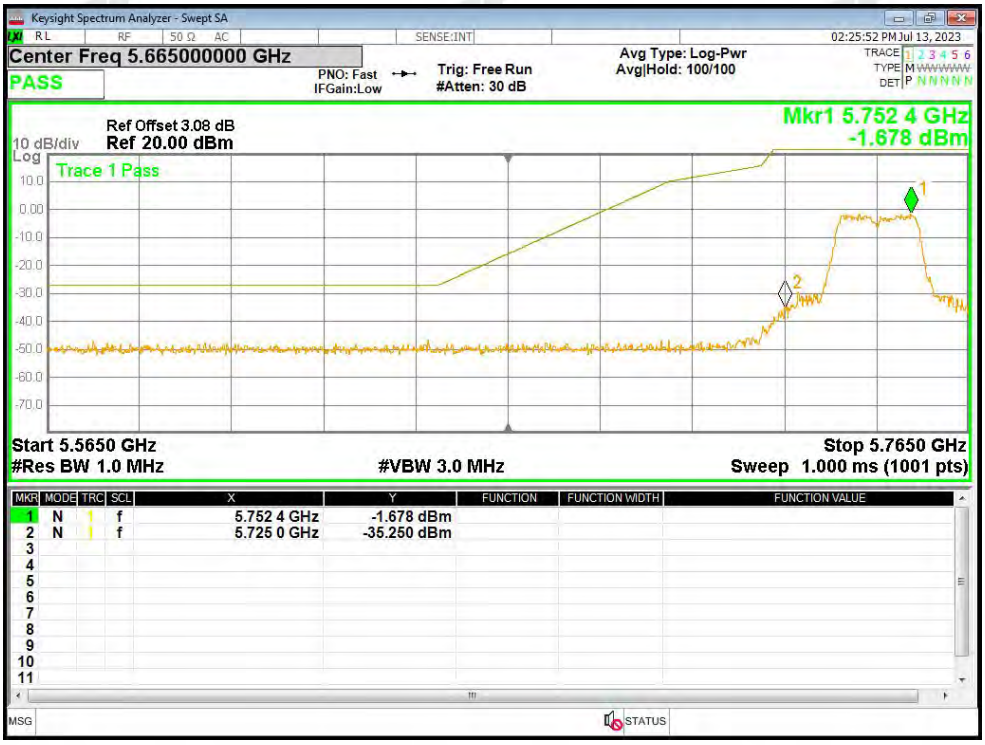


Band Edge NVNT n20 5825MHz High Ant1

Band Edge NVNT n40 5755MHz Low Ant1

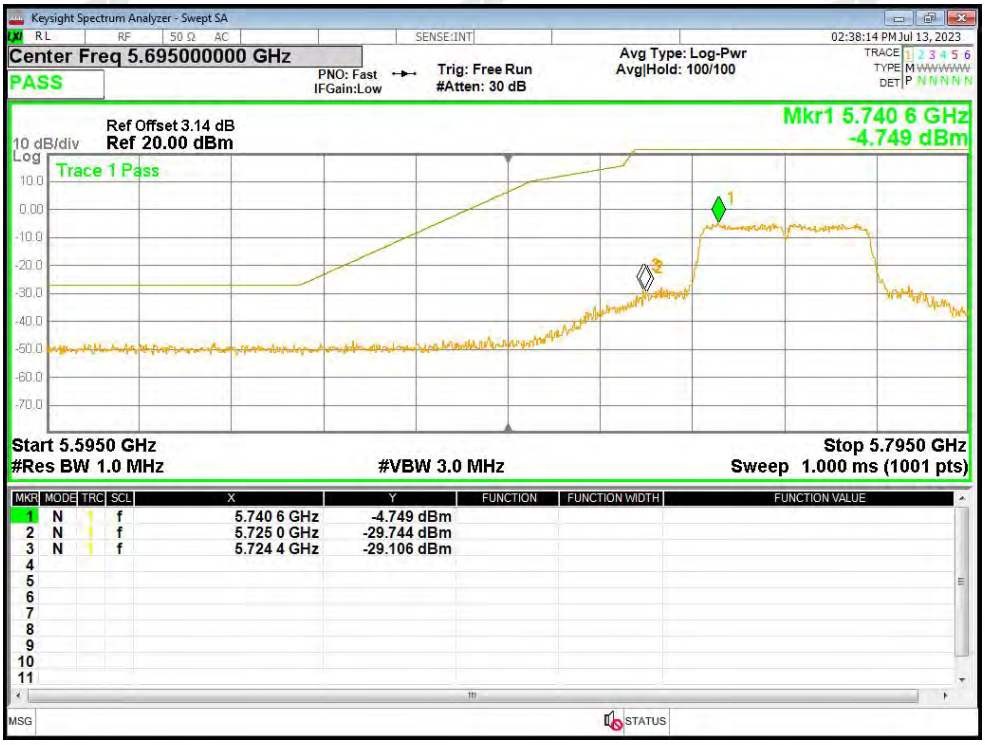
Band Edge NVNT n40 5795MHz High Ant1

Band Edge NVNT ac20 5745MHz Low Ant1



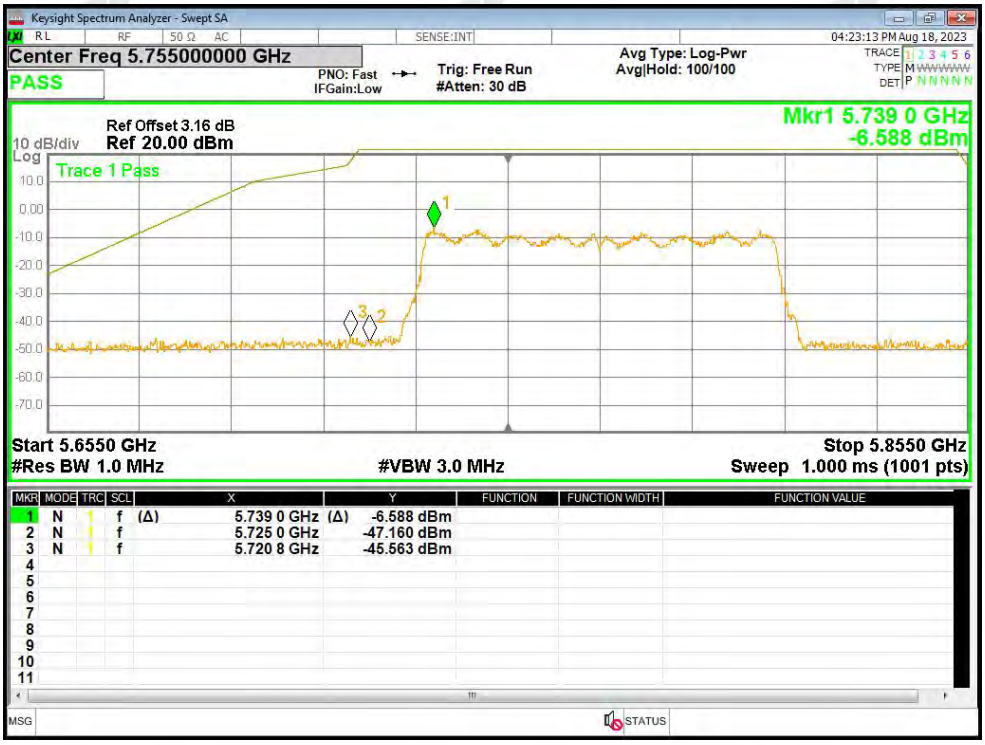
Band Edge NVNT ac20 5825MHz High Ant1

Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1

Band Edge NVNT ac80 5775MHz Low Ant1



B.7 Frequency Stability

Voltage							
TestMode	Channel	Voltage [Vdc]	Temperature (℃)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5745	NV	NT	100000	17.41	Within 5725-5850MHz	Pass
		LV	NT	100000	17.41		
		HV	NT	100000	17.41		
	5785	NV	NT	120000	20.74		
		LV	NT	120000	20.74		
		HV	NT	120000	20.74		
	5825	NV	NT	140000	24.03		
		LV	NT	140000	24.03		
		HV	NT	140000	24.03		
n20	5745	NV	NT	-40000	-6.96		
		LV	NT	-40000	-6.96		
		HV	NT	-40000	-6.96		
	5785	NV	NT	-20000	-3.46		
		LV	NT	-20000	-3.46		
		HV	NT	-20000	-3.46		
	5825	NV	NT	-40000	-6.87		
		LV	NT	-40000	-6.87		
		HV	NT	-40000	-6.87		
ac20	5745	NV	NT	-40000	-6.96		
		LV	NT	-40000	-6.96		
		HV	NT	-40000	-6.96		
	5785	NV	NT	-20000	-3.46		
		LV	NT	-20000	-3.46		
		HV	NT	-20000	-3.46		
	5825	NV	NT	-20000	-3.43		
		LV	NT	-20000	-3.43		
		HV	NT	-20000	-3.43		

n40	5755	NV	NT	0	0	Within 5725-5850MHz	Pass
		LV	NT	0	0		
		HV	NT	0	0		
	5795	NV	NT	0	0		
		LV	NT	0	0		
		HV	NT	0	0		
ac40	5755	NV	NT	40000	6.95		
		LV	NT	40000	6.95		
		HV	NT	40000	6.95		
	5795	NV	NT	-80000	-13.81		
		LV	NT	-80000	-13.81		
		HV	NT	-80000	-13.81		
ac80	5775	NV	NT	-80000	-13.85		
		LV	NT	-80000	-13.85		
		HV	NT	-80000	-13.85		

Temperature							
TestMode	Channel	Voltage [Vdc]	Temperature (℃)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5745	NV	-30	100000	17.41	Within 5725-5850MHz	Pass
		NV	-20	100000	17.41		
		NV	-10	100000	17.41		
		NV	0	100000	17.41		
		NV	20	100000	17.41		
		NV	30	100000	17.41		
		NV	50	100000	17.41		
	5785	NV	-30	120000	20.74		
		NV	-20	120000	20.74		
		NV	-10	120000	20.74		
		NV	0	120000	20.74		
		NV	20	120000	20.74		
		NV	30	120000	20.74		
		NV	50	120000	20.74		
	5825	NV	-30	140000	24.03		
		NV	-20	140000	24.03		
		NV	-10	140000	24.03		
		NV	0	140000	24.03		
		NV	20	140000	24.03		
		NV	30	140000	24.03		
		NV	50	140000	24.03		
N20	5745	NV	-30	-40000	-6.96		
		NV	-20	-40000	-6.96		
		NV	-10	-40000	-6.96		
		NV	0	-40000	-6.96		
		NV	20	-40000	-6.96		
		NV	30	-40000	-6.96		
		NV	50	-40000	-6.96		
	5785	NV	-30	-20000	-3.46		
		NV	-20	-20000	-3.46		
		NV	-10	-20000	-3.46		
		NV	0	-20000	-3.46		
		NV	20	-20000	-3.46		

		NV	30	-20000	-3.46		
		NV	50	-20000	-3.46		
	5825	NV	-30	-20000	-3.43		
		NV	-20	-20000	-3.43		
		NV	-10	-20000	-3.43		
		NV	0	-20000	-3.43		
		NV	20	-20000	-3.43		
		NV	30	-20000	-3.43		
		NV	50	-20000	-3.43		
ac20	5745	NV	-30	-40000	-6.96	Within 5725-5850MHz	Pass
		NV	-20	-40000	-6.96		
		NV	-10	-40000	-6.96		
		NV	0	-40000	-6.96		
		NV	20	-40000	-6.96		
		NV	30	-40000	-6.96		
		NV	50	-40000	-6.96		
	5785	NV	-30	-20000	-3.46		
		NV	-20	-20000	-3.46		
		NV	-10	-20000	-3.46		
		NV	0	-20000	-3.46		
		NV	20	-20000	-3.46		
		NV	30	-20000	-3.46		
		NV	50	-20000	-3.46		
	5825	NV	-30	-20000	-3.43		
		NV	-20	-20000	-3.43		
		NV	-10	-20000	-3.43		
		NV	0	-20000	-3.43		
		NV	20	-20000	-3.43		
		NV	30	-20000	-3.43		
		NV	50	-20000	-3.43		
N40	5755	NV	-30	0	0		
		NV	-20	0	0		
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	30	0	0		
		NV	50	0	0		

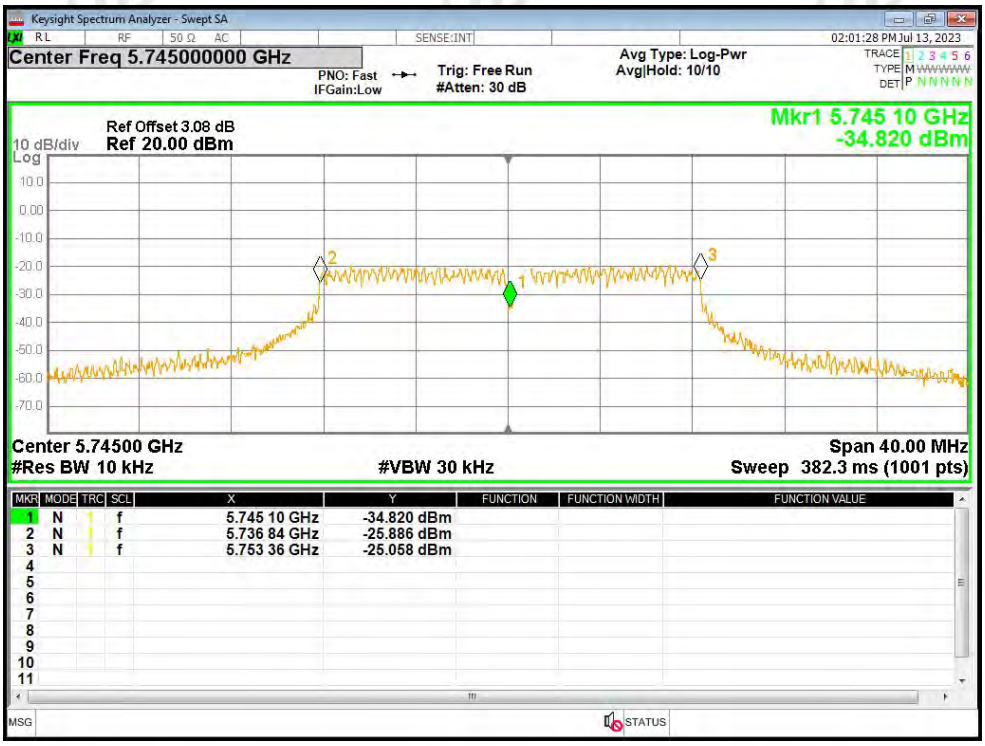
N40	5795	NV	-30	0	0	Within 5725-5850MHz	Pass
		NV	-20	0	0		
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	30	0	0		
		NV	50	0	0		
ac40	5755	NV	-30	40000	6.95		
		NV	-20	40000	6.95		
		NV	-10	40000	6.95		
		NV	0	40000	6.95		
		NV	20	40000	6.95		
		NV	30	40000	6.95		
		NV	50	40000	6.95		
	5795	NV	-30	-80000	-13.81		
		NV	-20	-80000	-13.81		
		NV	-10	-80000	-13.81		
		NV	0	-80000	-13.81		
		NV	20	-80000	-13.81		
		NV	30	-80000	-13.81		
		NV	50	-80000	-13.81		
ac80	5775	NV	-30	-80000	-13.85		
		NV	-20	-80000	-13.85		
		NV	-10	-80000	-13.85		
		NV	0	-80000	-13.85		
		NV	20	-80000	-13.85		
		NV	30	-80000	-13.85		
		NV	50	-80000	-13.85		

Note:Test temperature:−30° to + 50°

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

Test Graphs

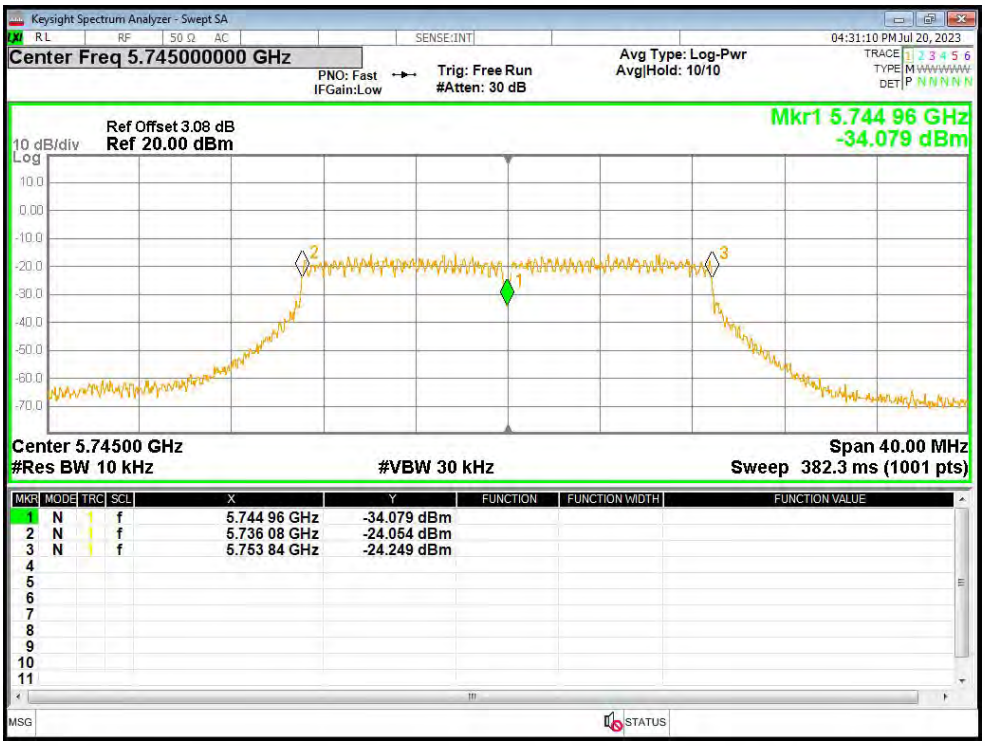
Freq. Stability NVNT a 5745MHz Ant1



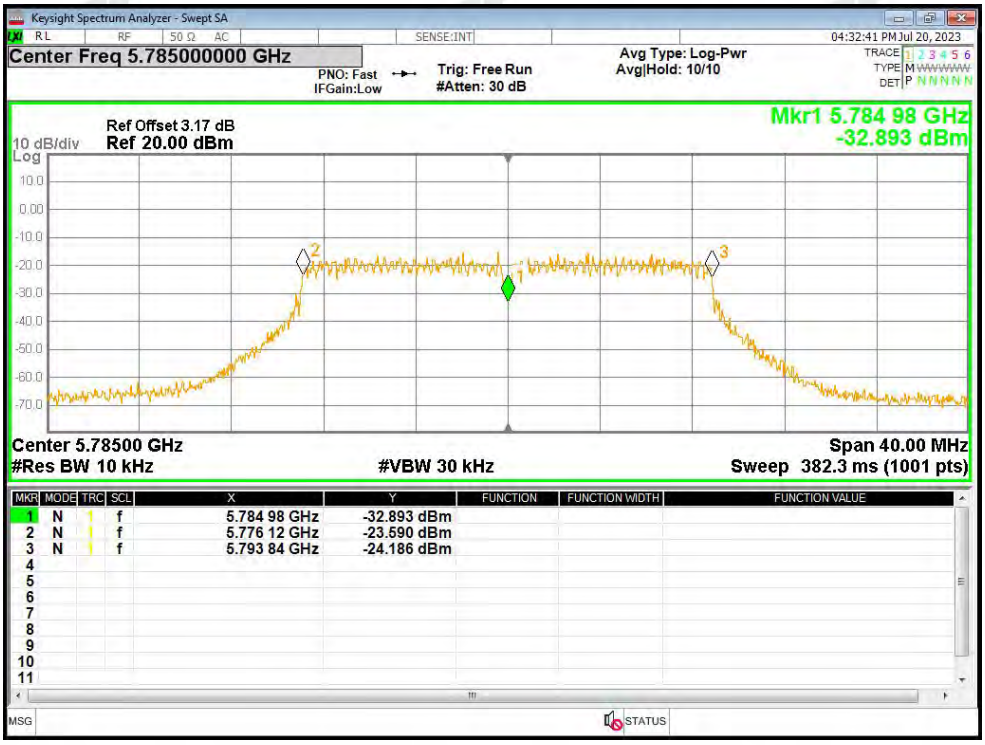
Freq. Stability NVNT a 5785MHz Ant1

Freq. Stability NVNT a 5825MHz Ant1

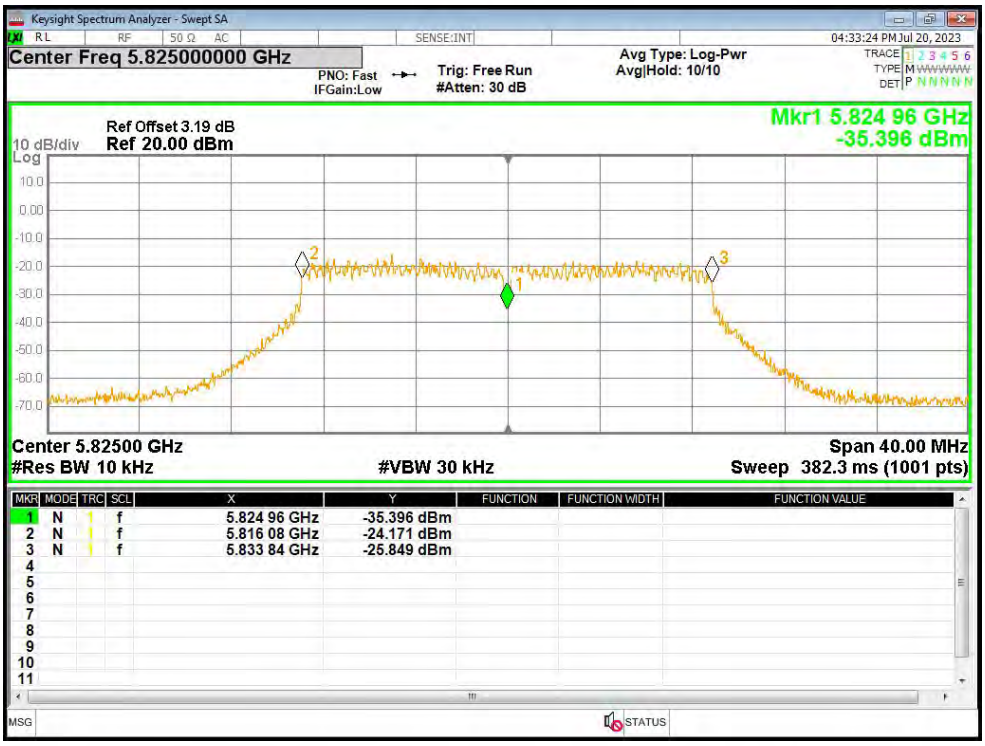
Freq. Stability NVNT n20 5745MHz Ant1



Freq. Stability NVNT n20 5785MHz Ant1

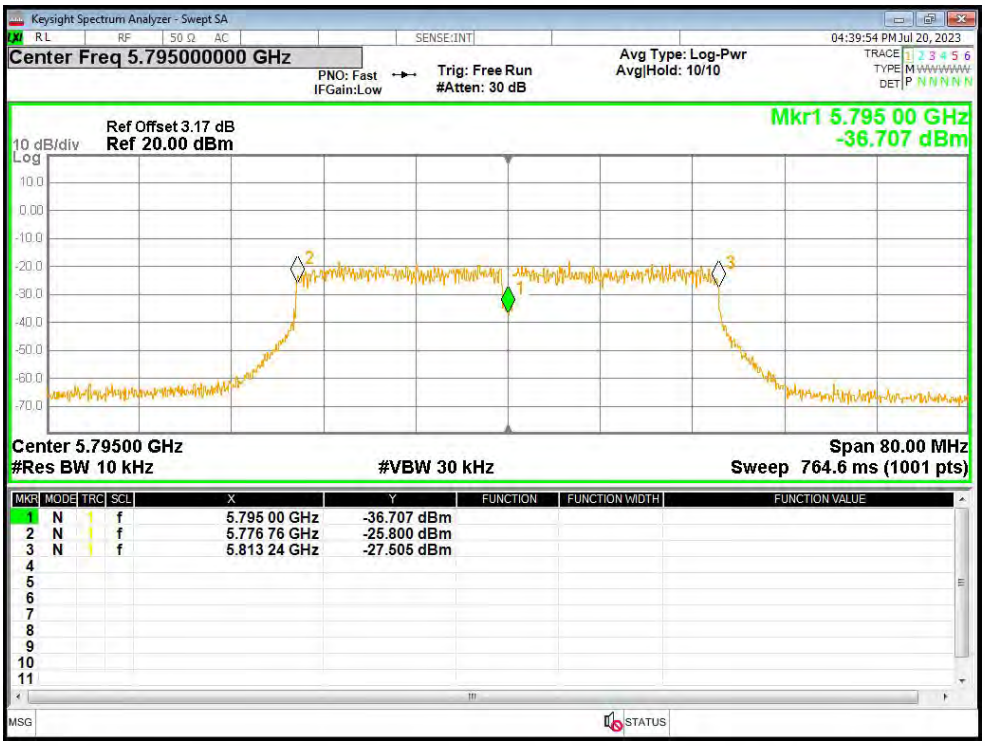


Freq. Stability NVNT n20 5825MHz Ant1

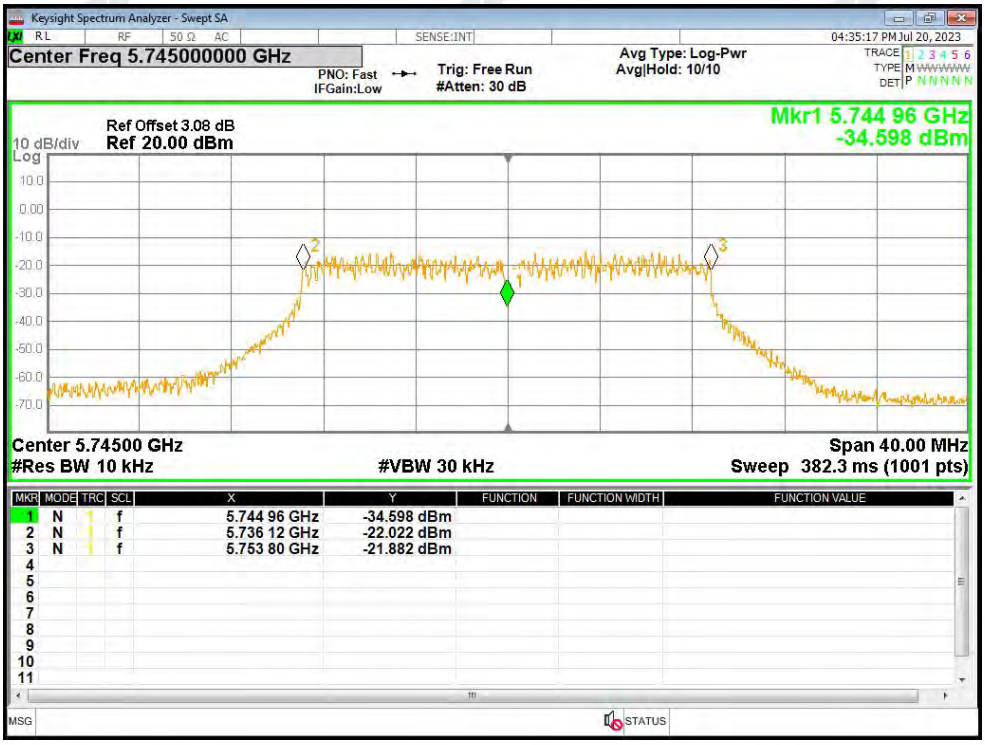


Freq. Stability NVNT n40 5755MHz Ant1

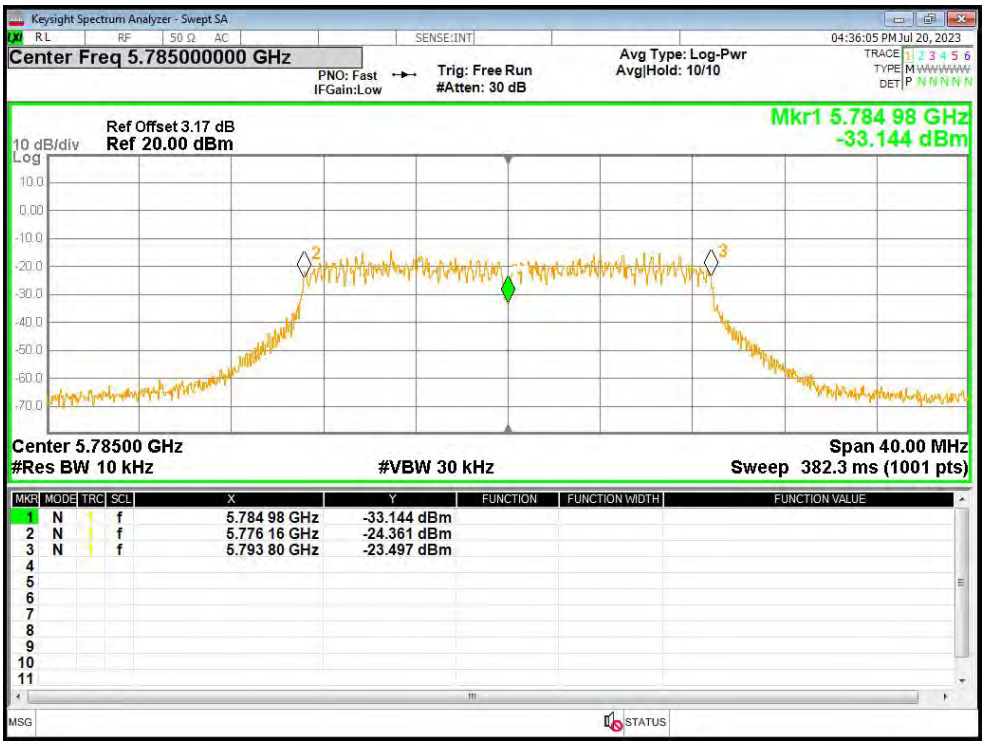
Freq. Stability NVNT n40 5795MHz Ant1



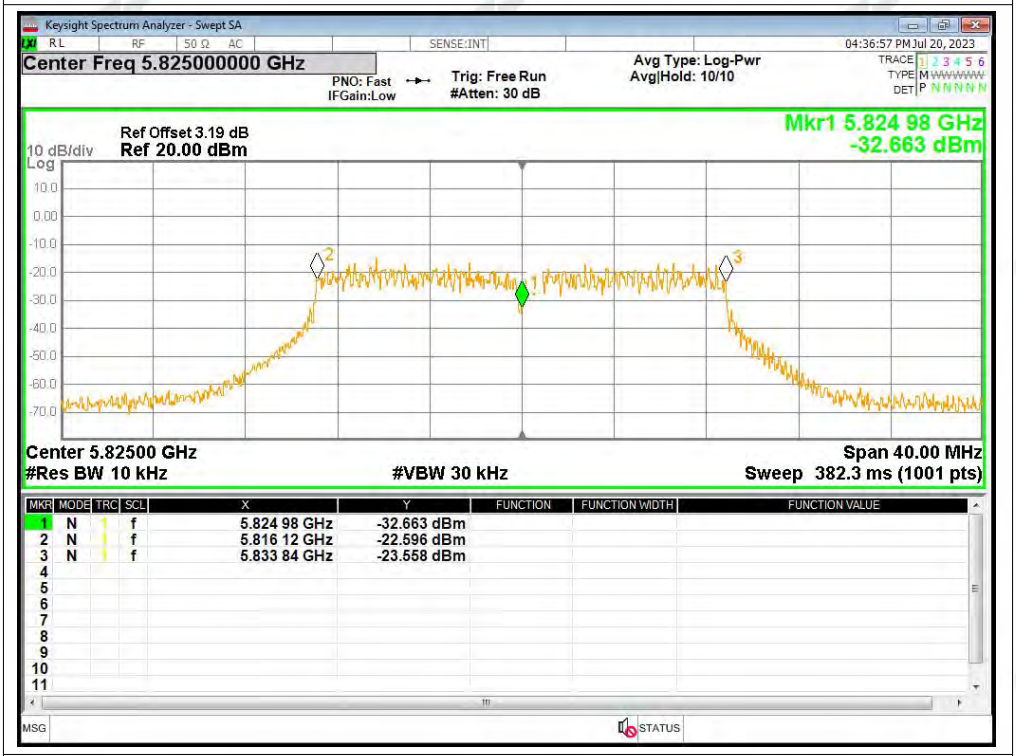
Freq. Stability NVNT ac20 5745MHz Ant1



Freq. Stability NVNT ac20 5785MHz Ant1



Freq. Stability NVNT ac20 5825MHz Ant1



Freq. Stability NVNT ac40 5755MHz Ant1

Freq. Stability NVNT ac40 5795MHz Ant1

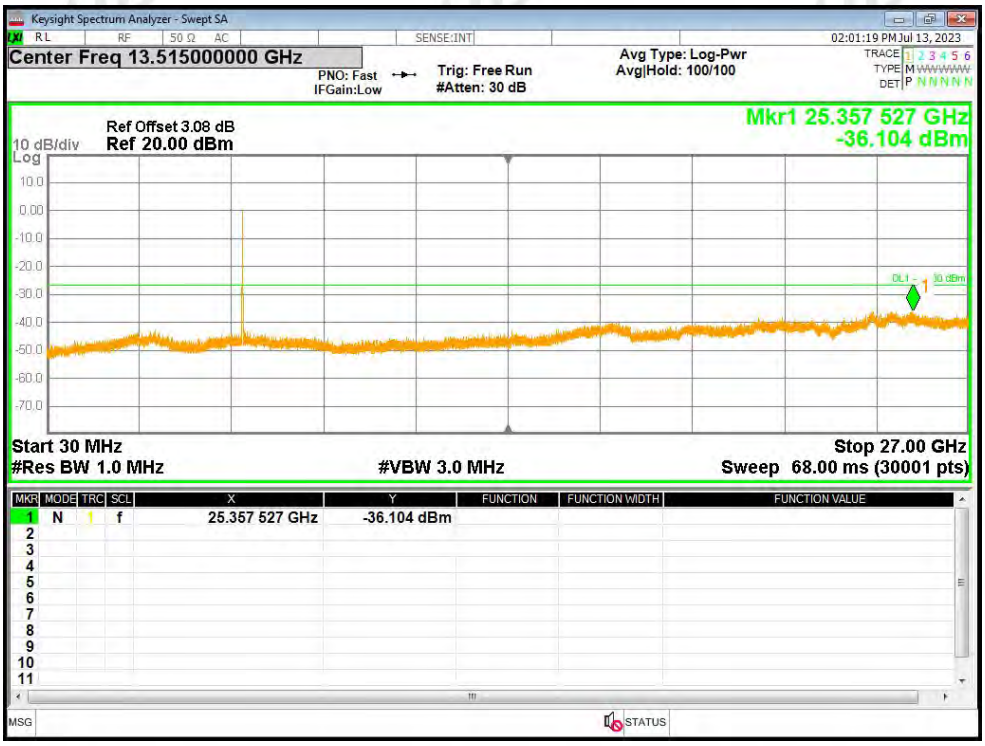
Freq. Stability NVNT ac80 5775MHz Ant1

B.8 Conducted RF Spurious Emission

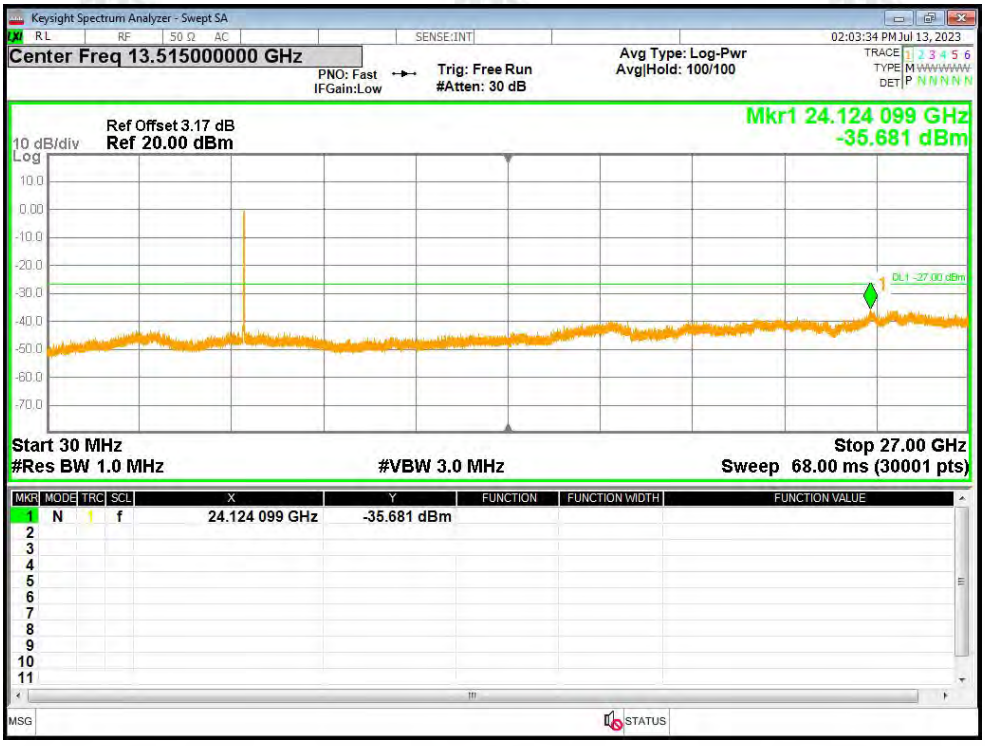
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-36.1	-27	Pass
NVNT	a	5785	Ant1	-35.68	-27	Pass
NVNT	a	5825	Ant1	-35.52	-27	Pass
NVNT	n20	5745	Ant1	-36.21	-27	Pass
NVNT	n20	5785	Ant1	-36.32	-27	Pass
NVNT	n20	5825	Ant1	-34.51	-27	Pass
NVNT	n40	5755	Ant1	-35.16	-27	Pass
NVNT	n40	5795	Ant1	-35.93	-27	Pass
NVNT	ac20	5745	Ant1	-35.89	-27	Pass
NVNT	ac20	5785	Ant1	-35.45	-27	Pass
NVNT	ac20	5825	Ant1	-35.93	-27	Pass
NVNT	ac40	5755	Ant1	-35.74	-27	Pass
NVNT	ac40	5795	Ant1	-36.25	-27	Pass
NVNT	ac80	5775	Ant1	-35.01	-27	Pass

Test Graphs

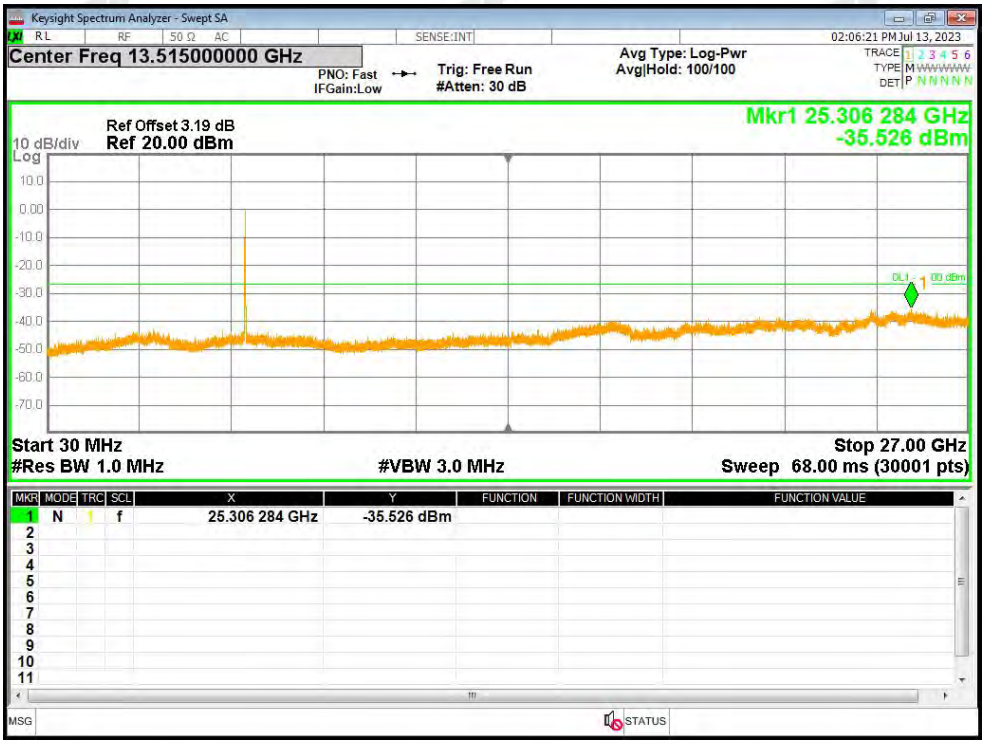
Tx. Spurious NVNT a 5745MHz Ant1 Emission



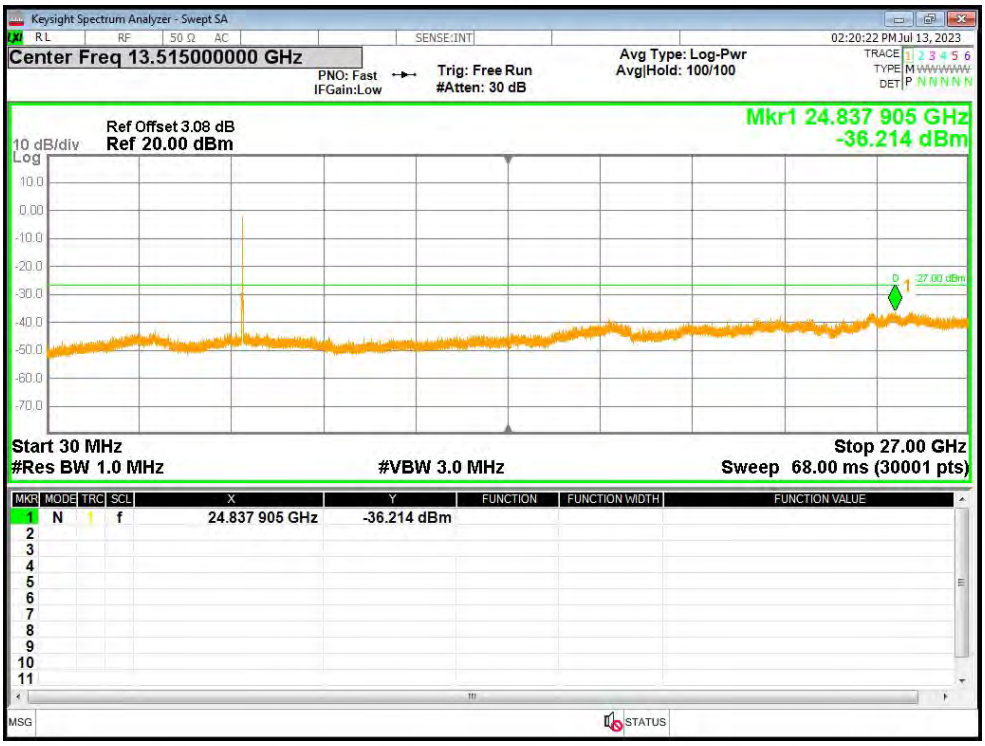
Tx. Spurious NVNT a 5785MHz Ant1 Emission



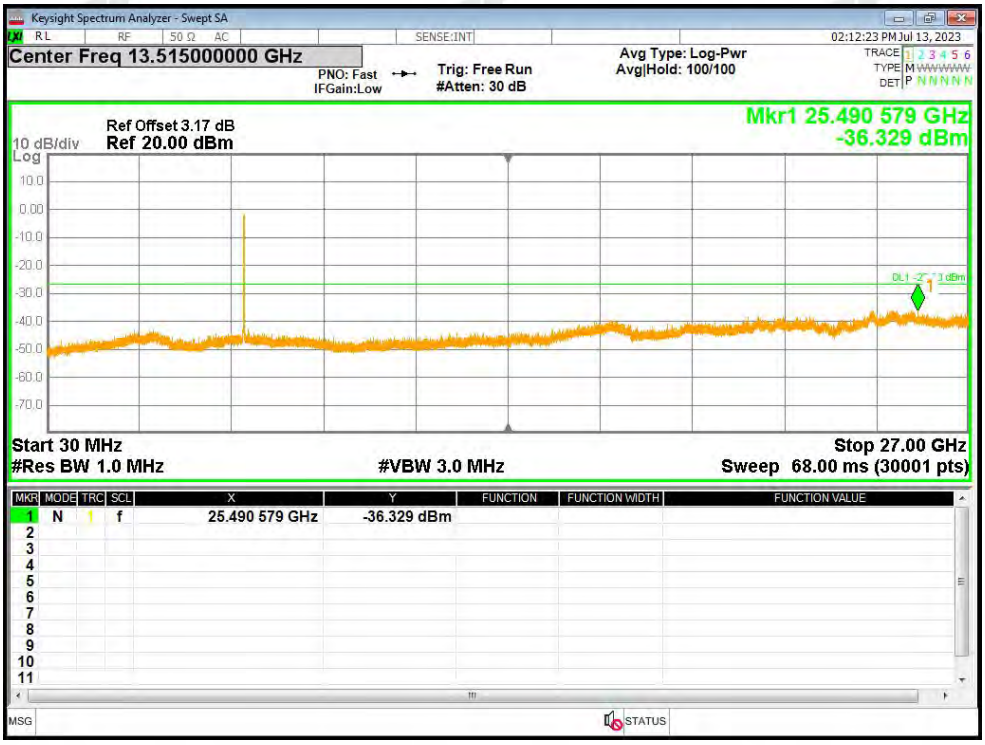
Tx. Spurious NVNT a 5825MHz Ant1 Emission



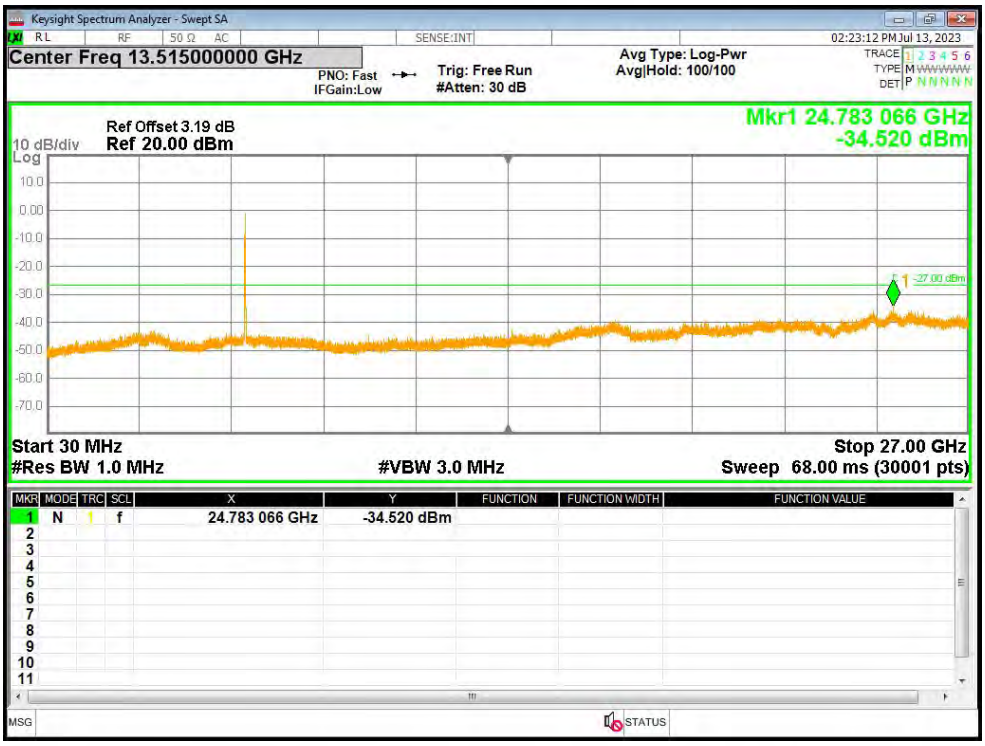
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



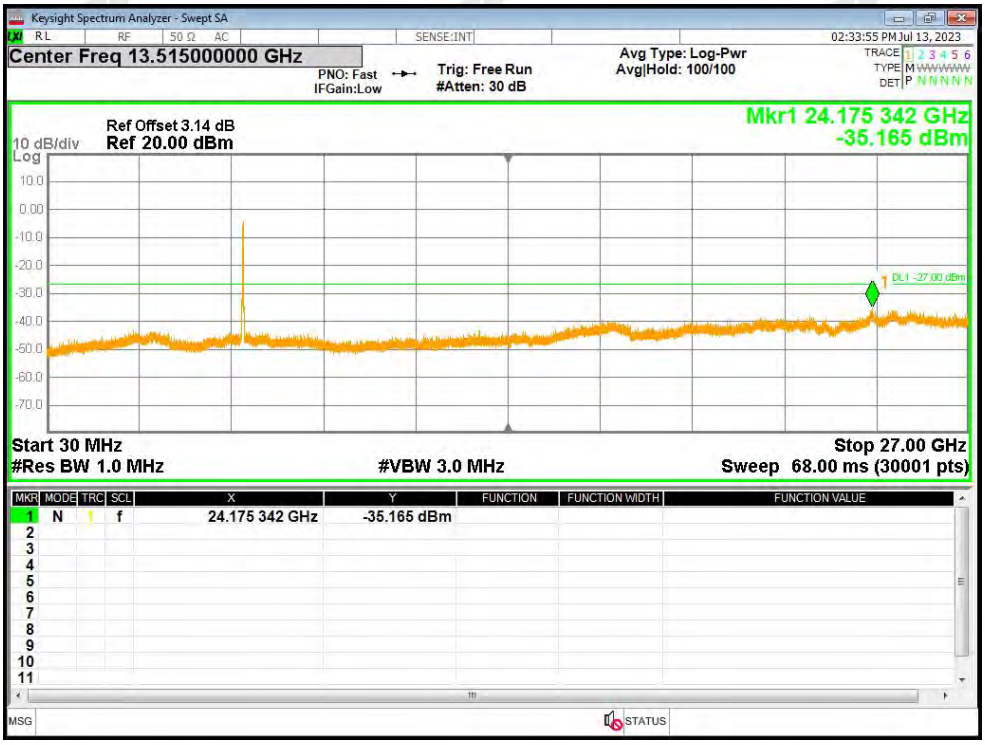
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



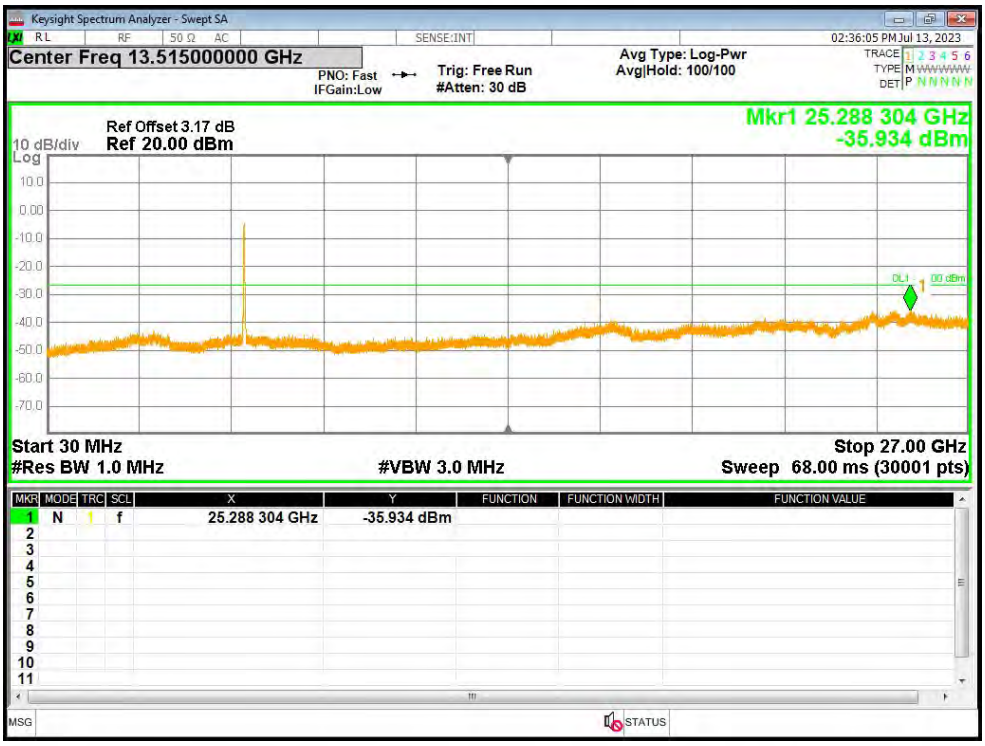
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



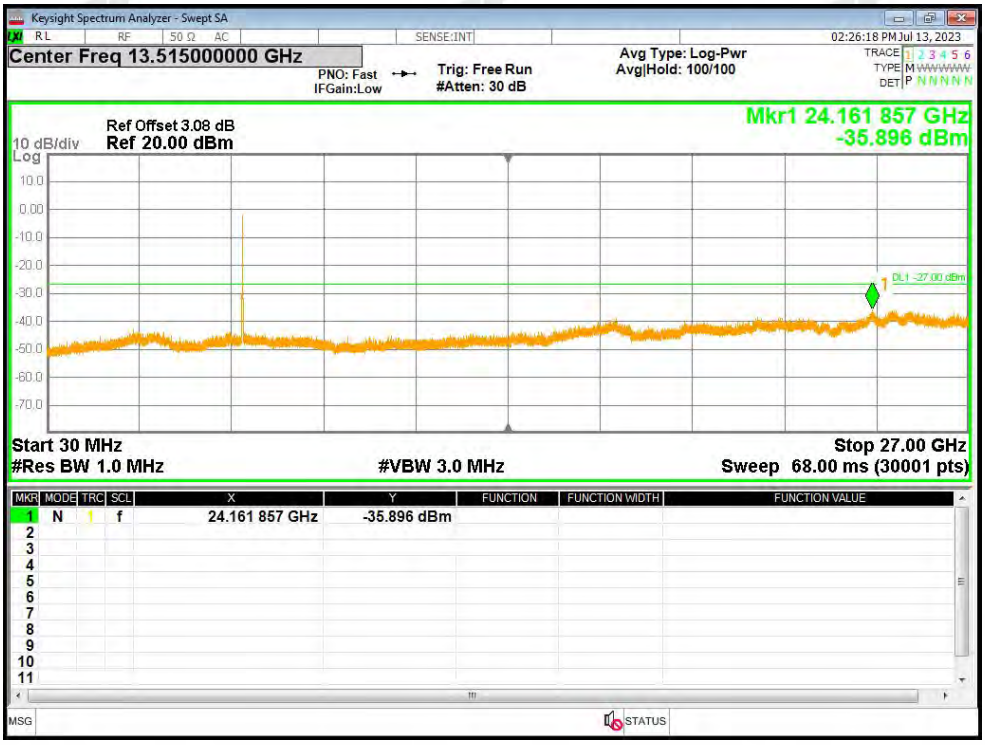
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



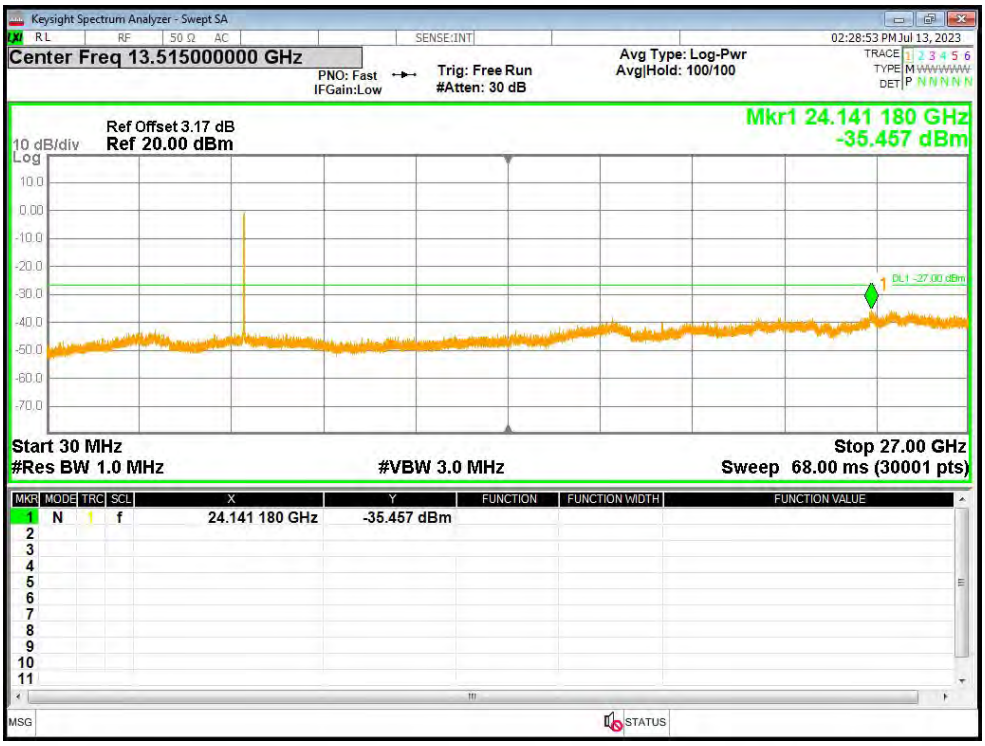
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



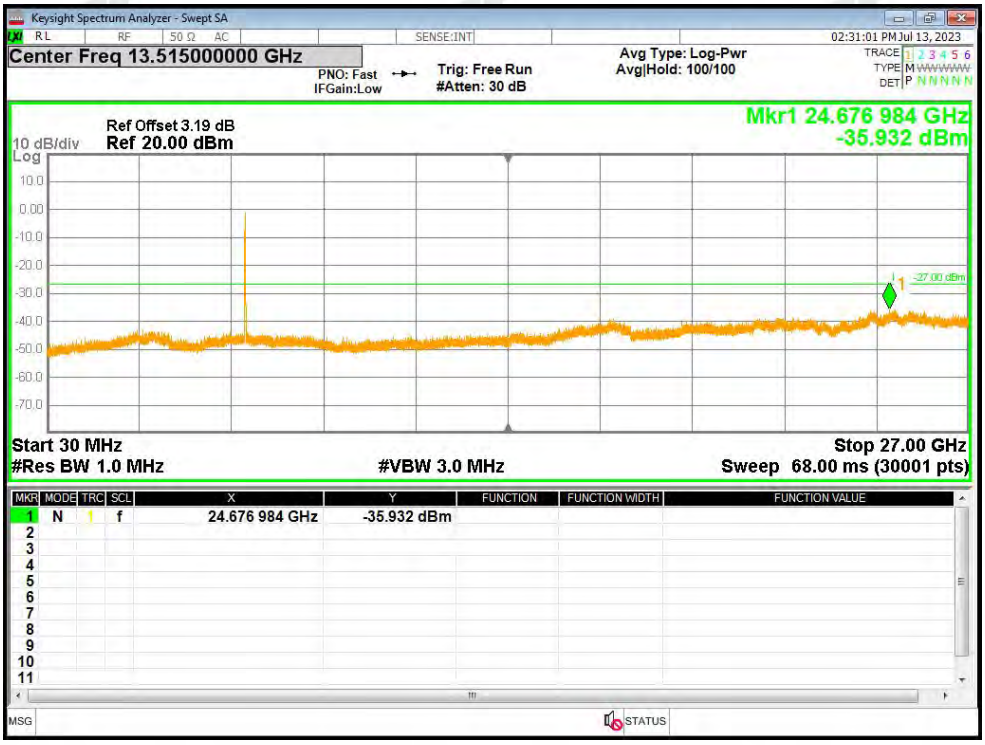
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



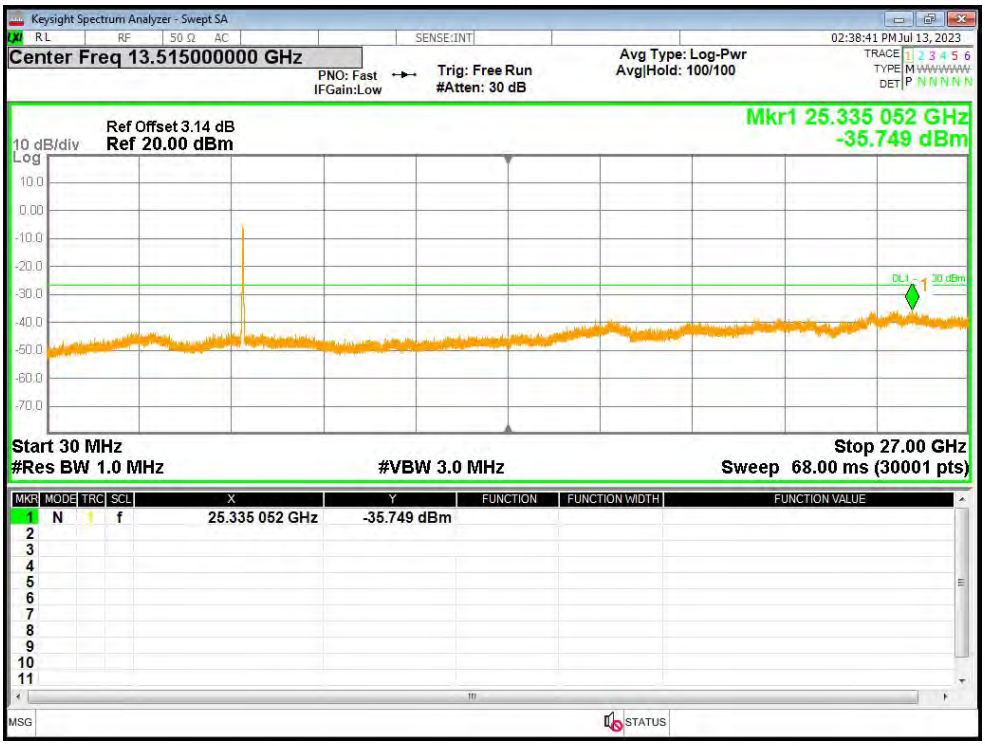
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



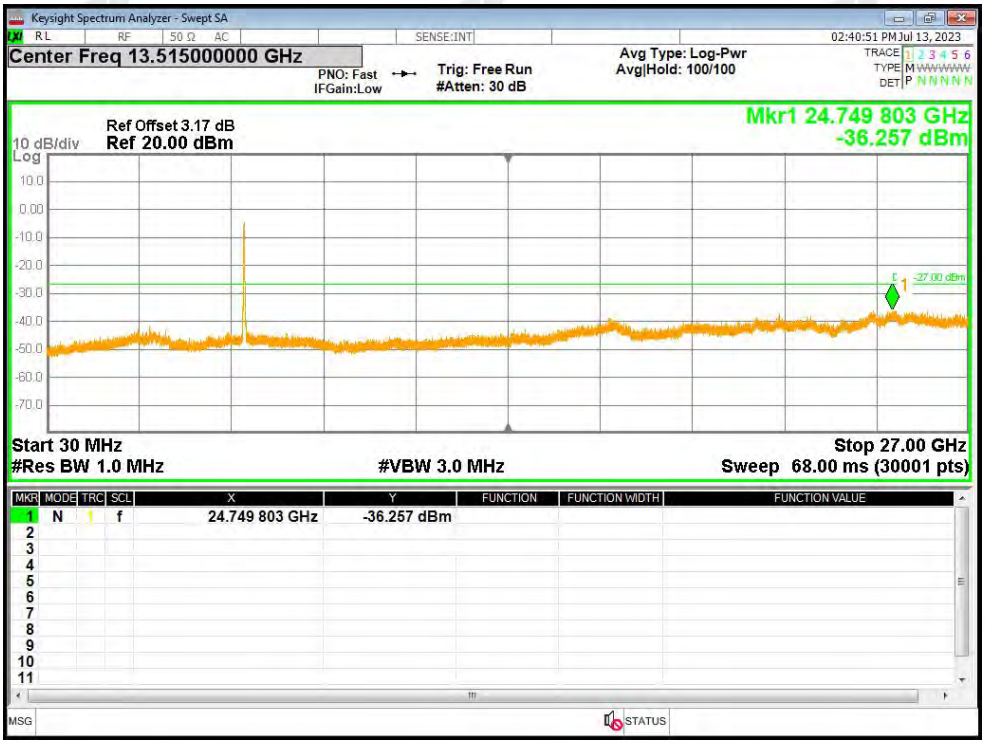
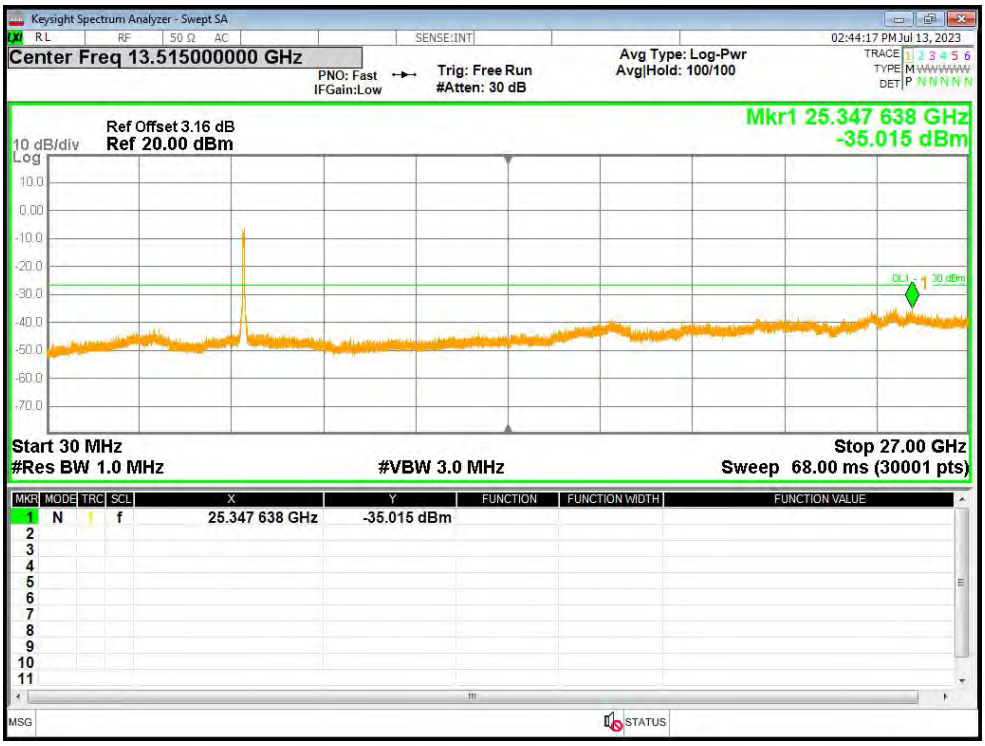
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



Tx. Spurious NVNT ac80 5775MHz Ant1 Emission