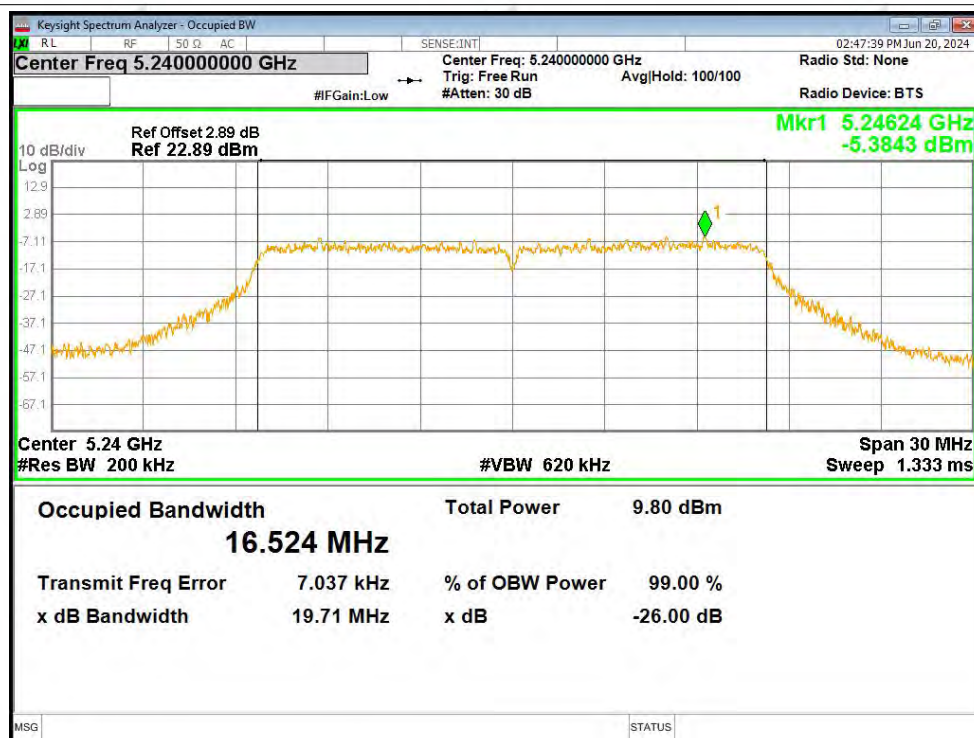
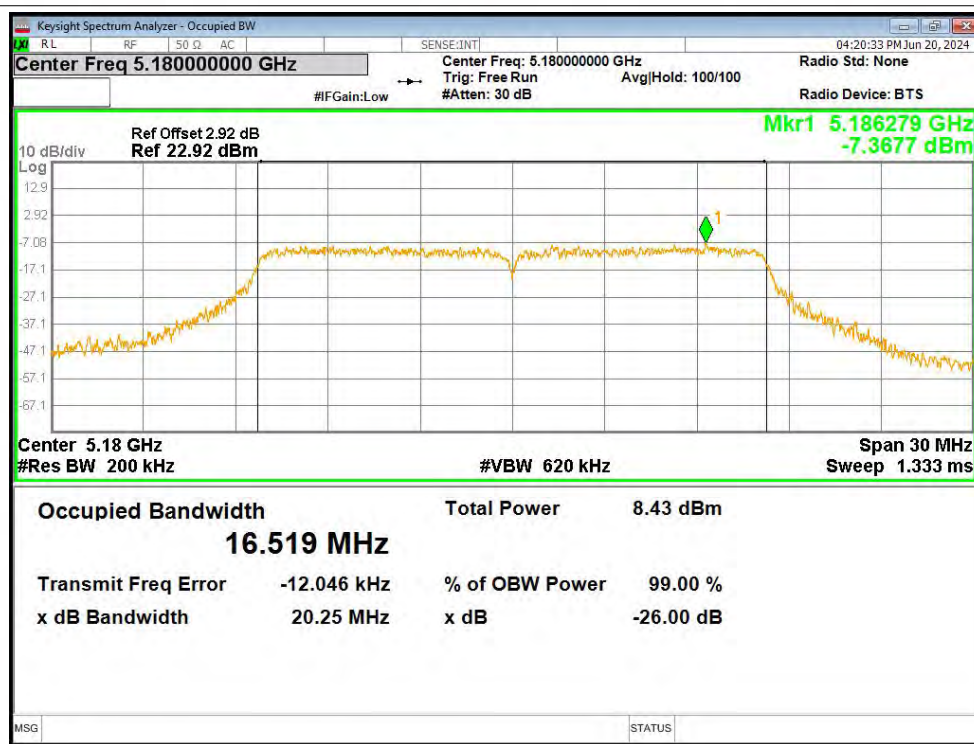


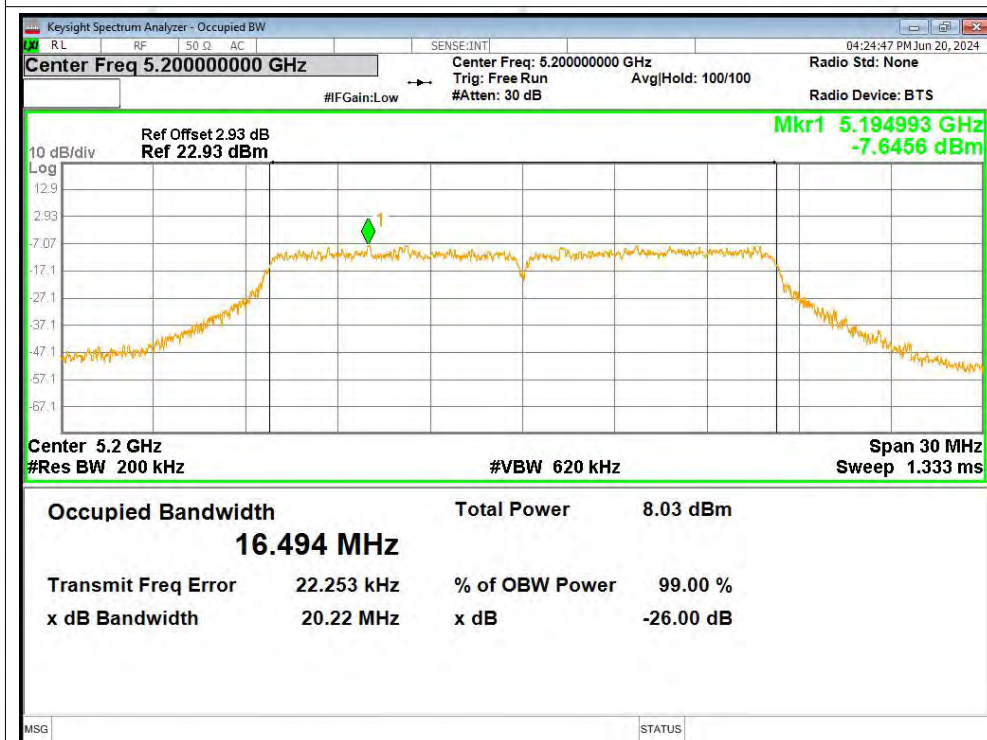
OBW NVNT a 5240MHz Ant1



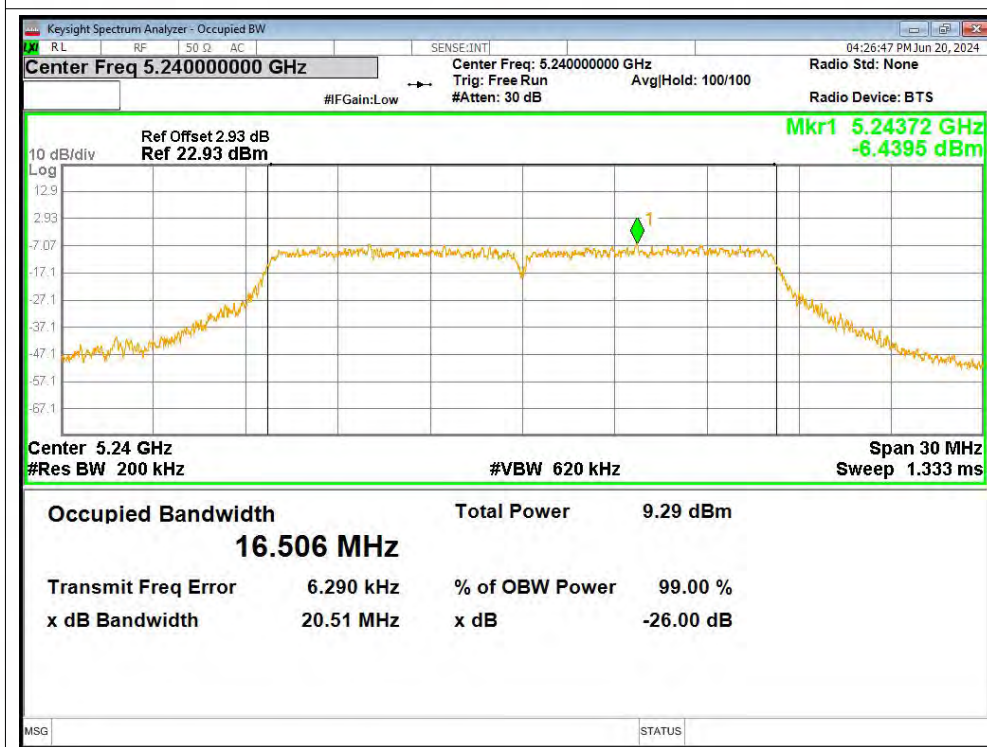
OBW NVNT a 5180MHz Ant2



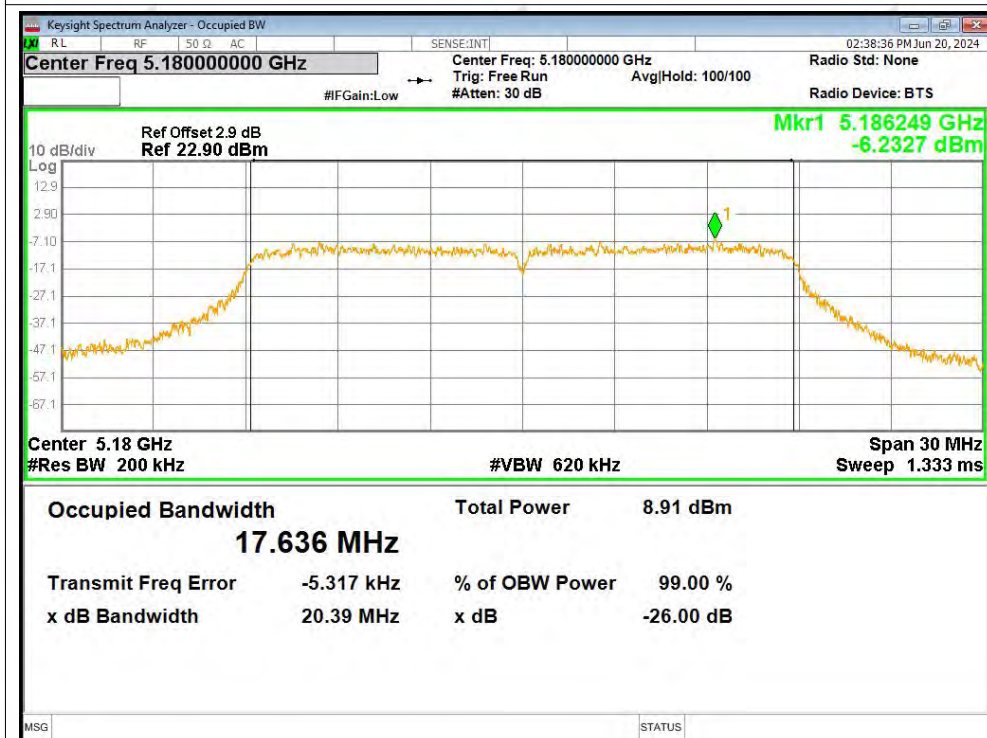
OBW NVNT a 5200MHz Ant2



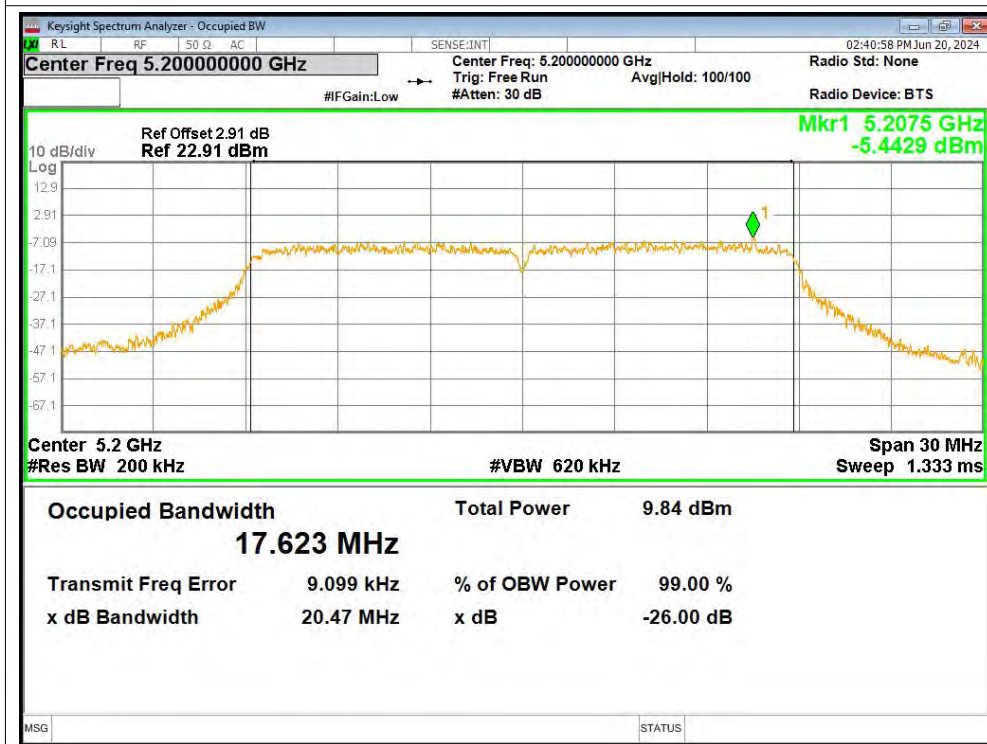
OBW NVNT a 5240MHz Ant2



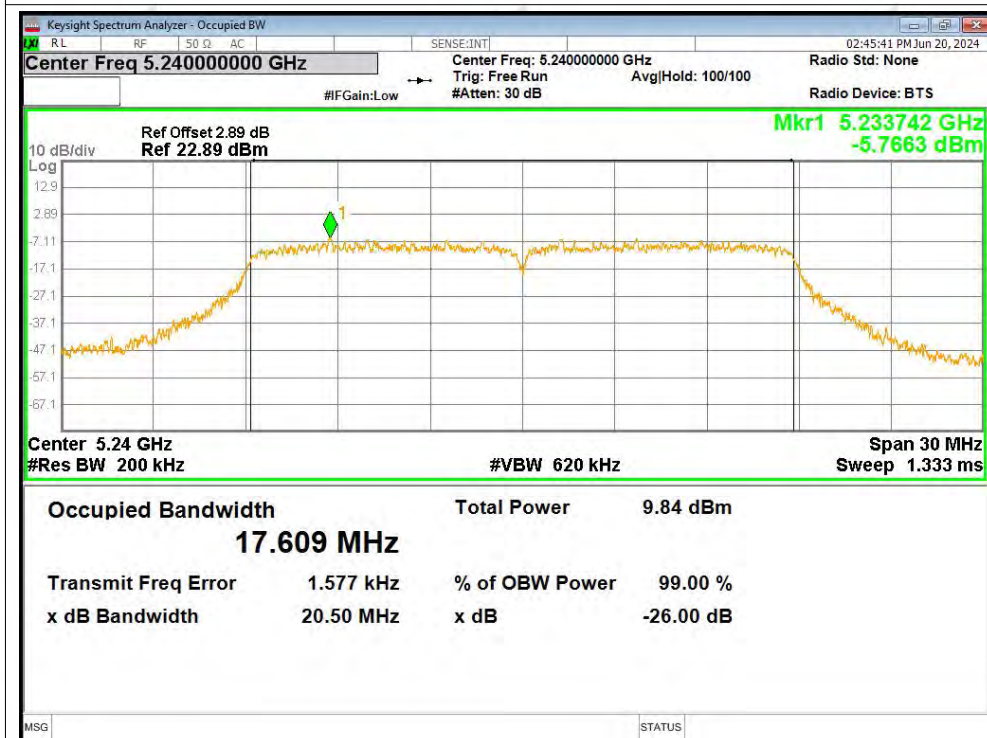
OBW NVNT n20 5180MHz Ant1



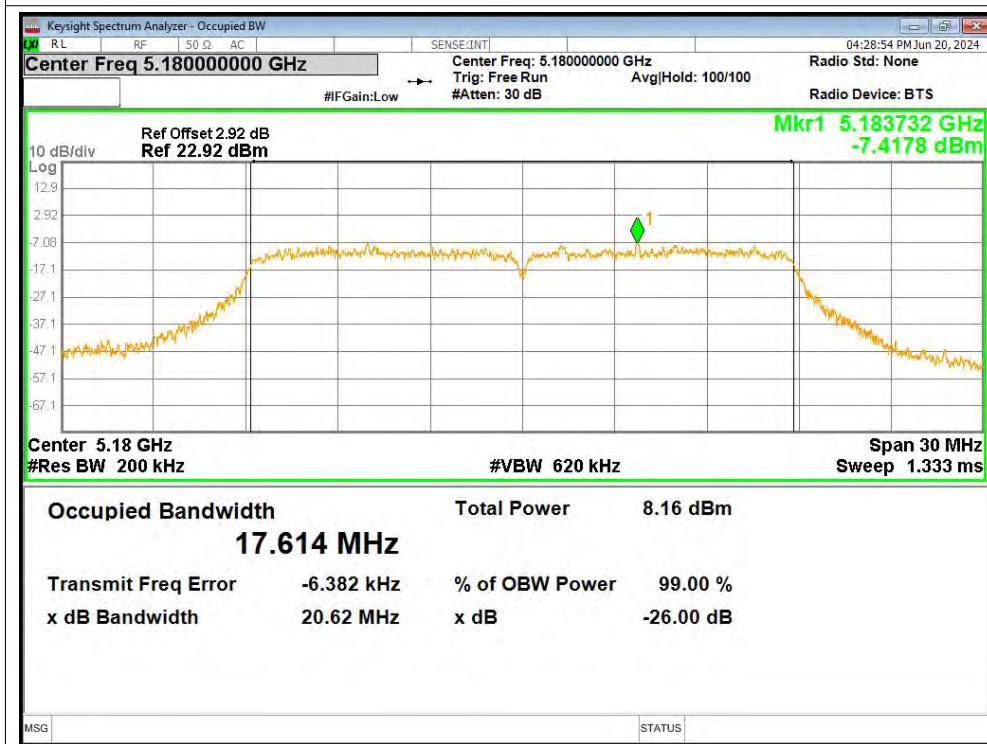
OBW NVNT n20 5200MHz Ant1



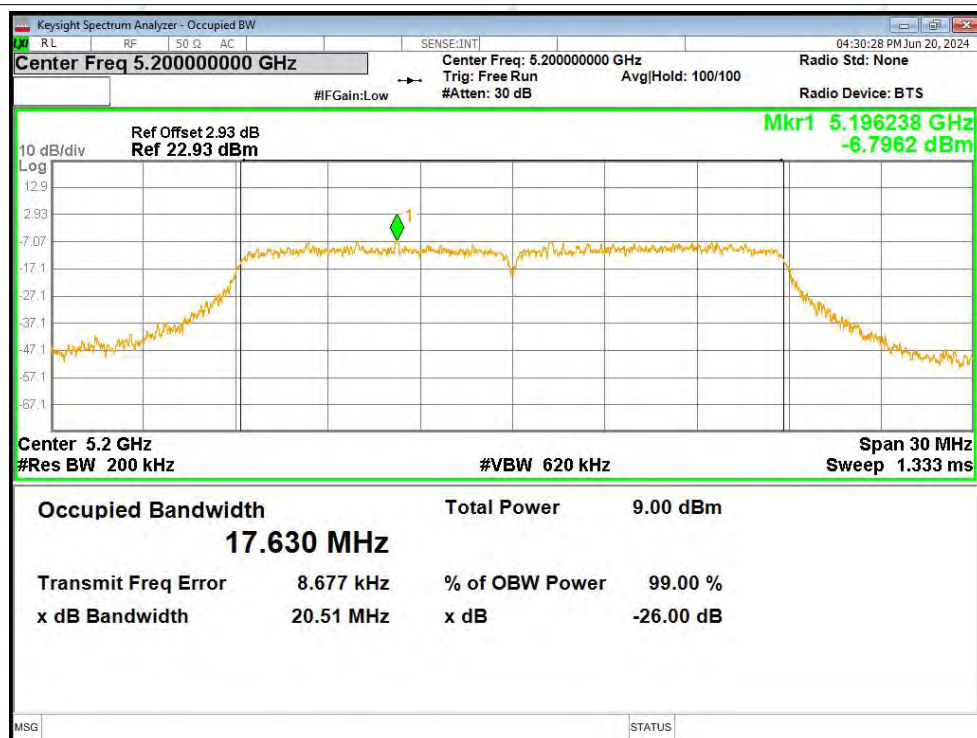
OBW NVNT n20 5240MHz Ant1



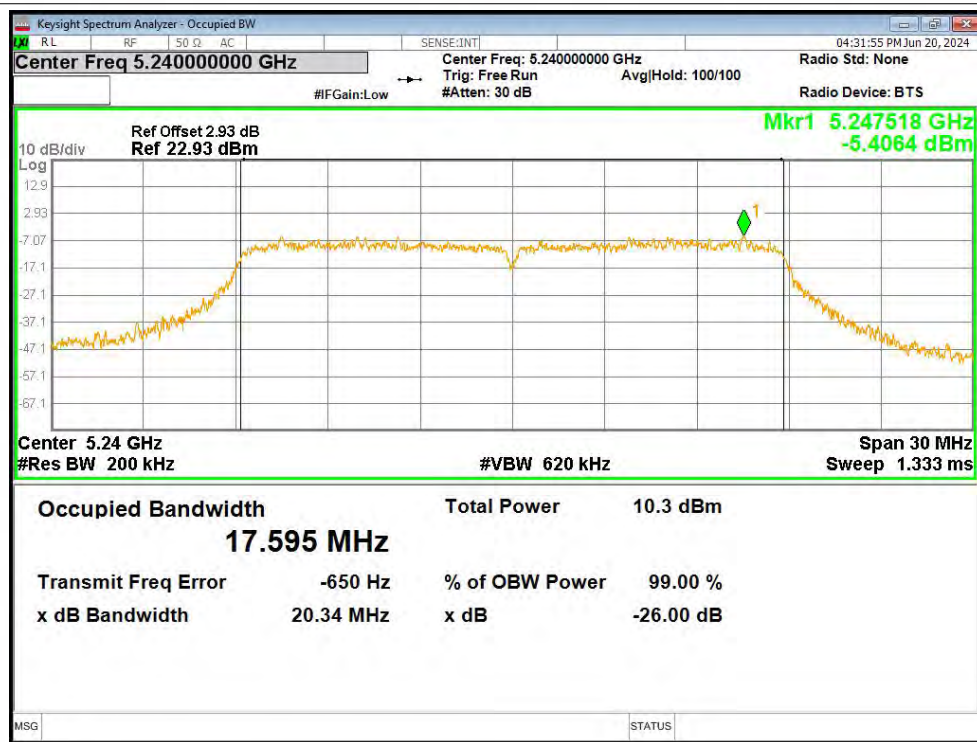
OBW NVNT n20 5180MHz Ant2



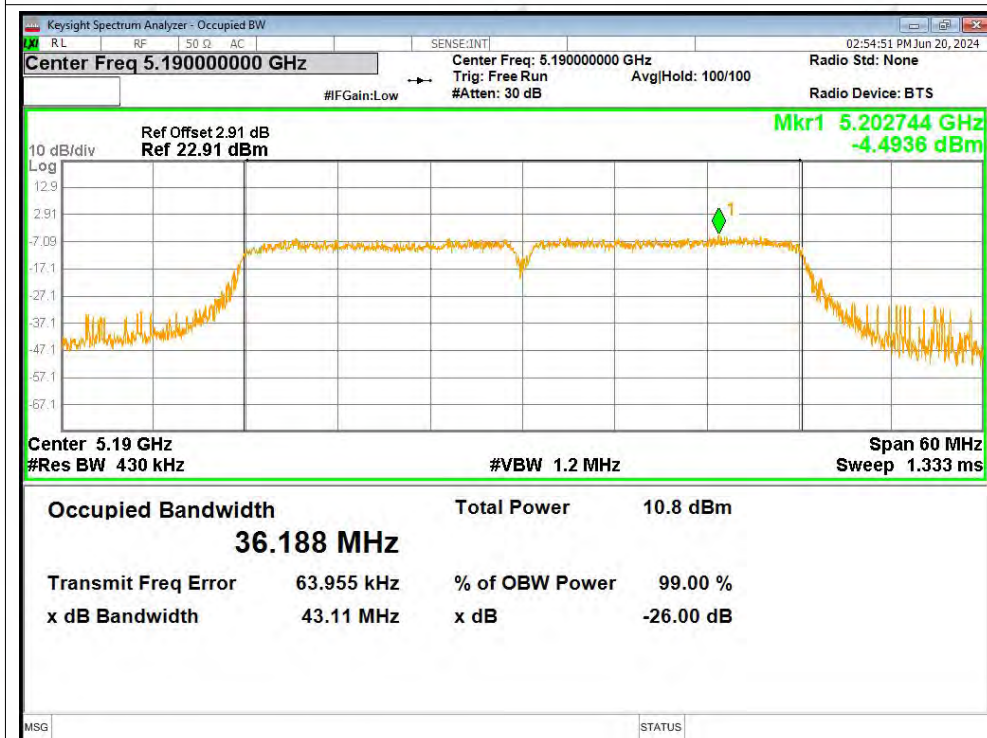
OBW NVNT n20 5200MHz Ant2



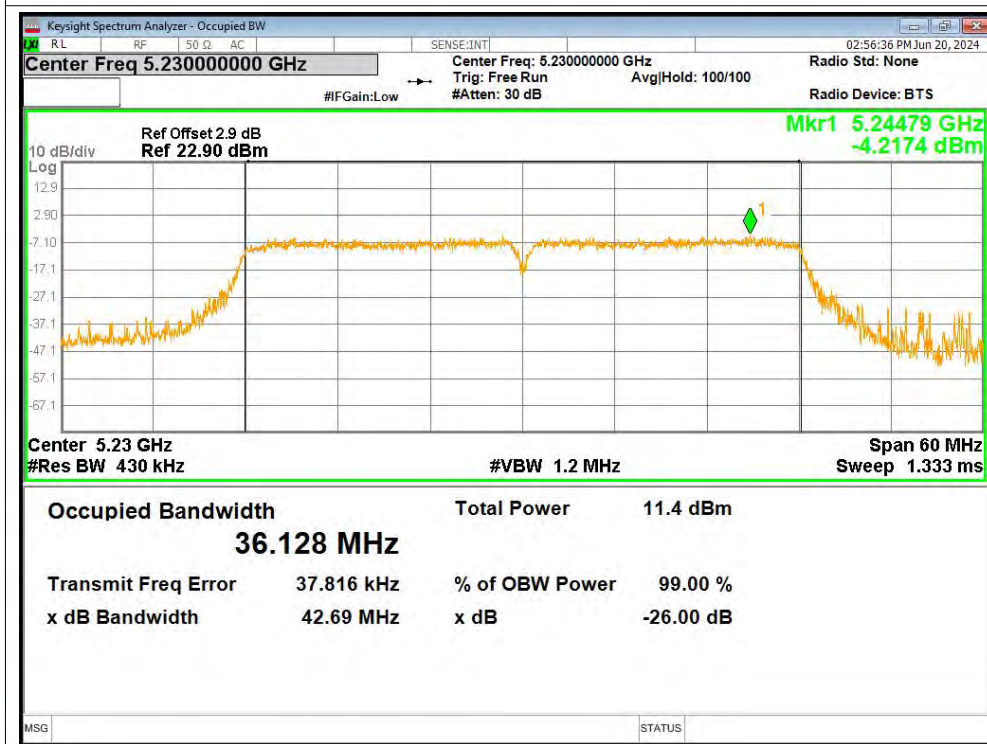
OBW NVNT n20 5240MHz Ant2



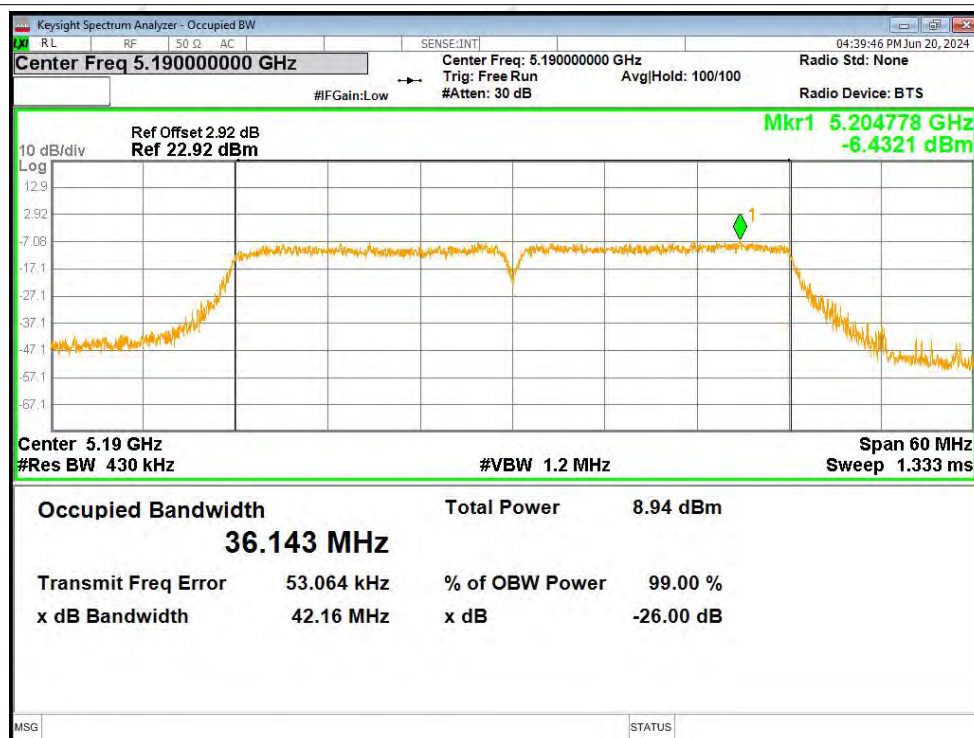
OBW NVNT n40 5190MHz Ant1



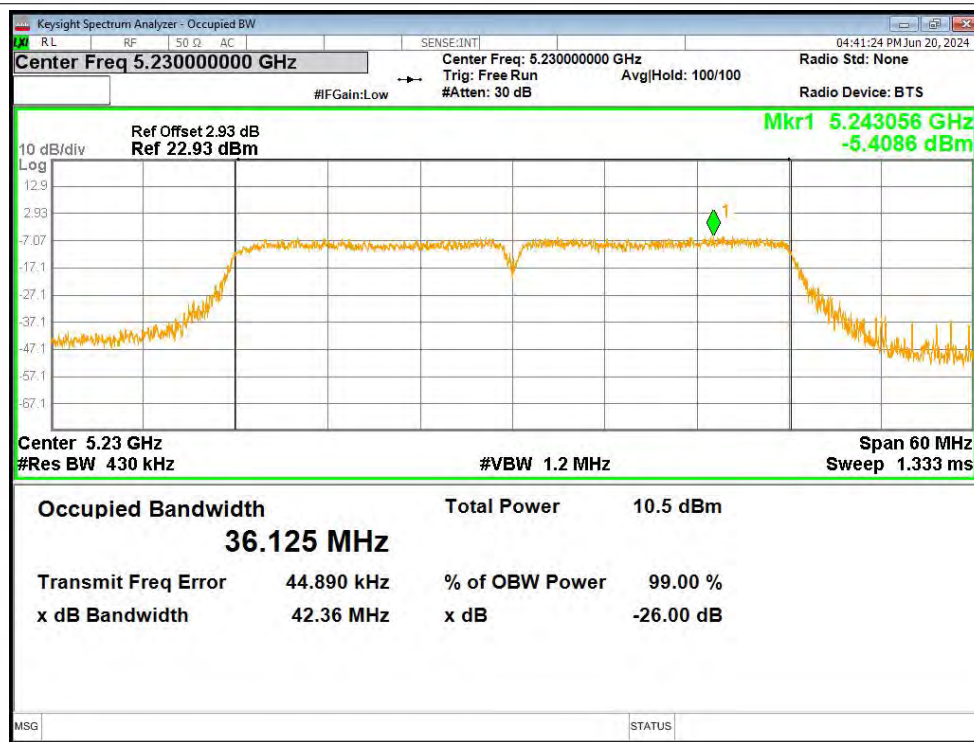
OBW NVNT n40 5230MHz Ant1



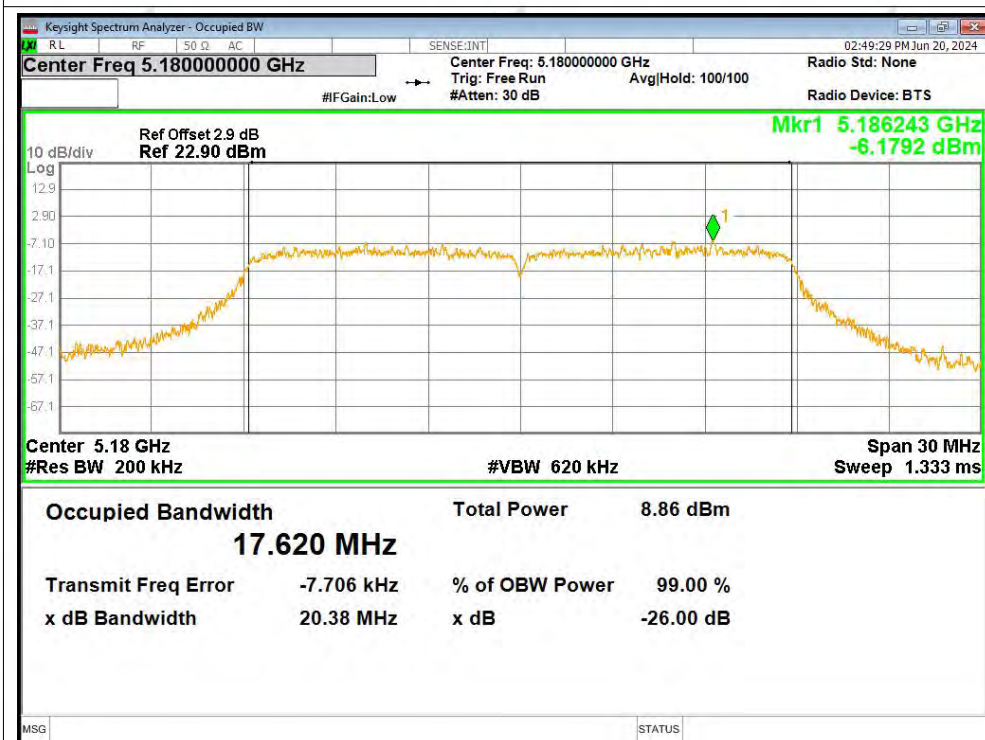
OBW NVNT n40 5190MHz Ant2



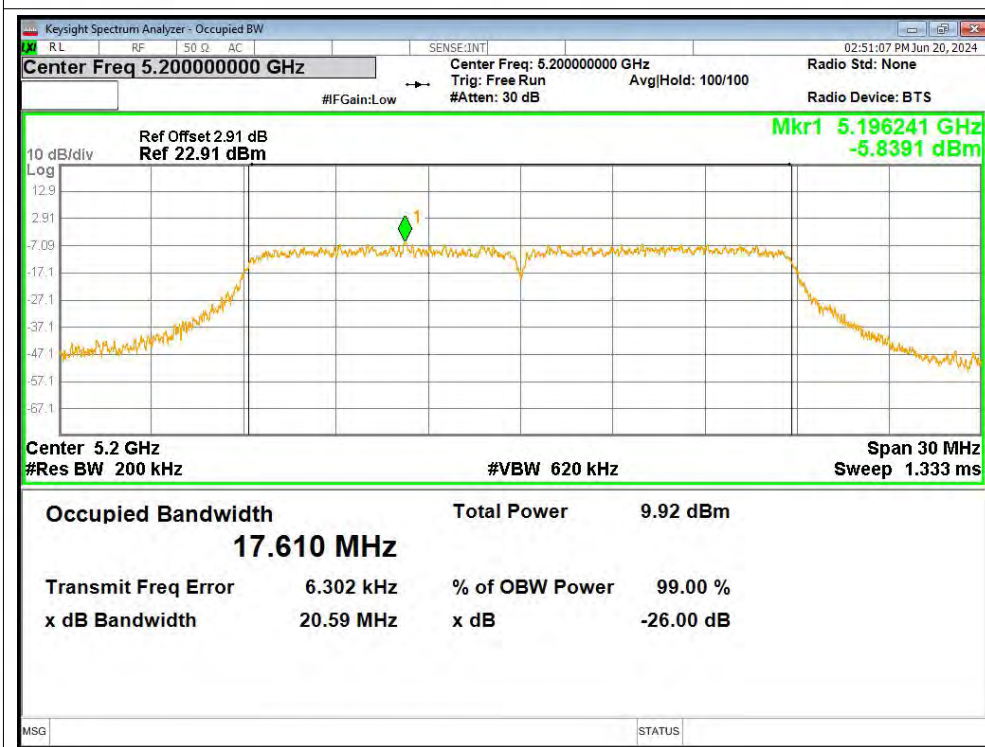
OBW NVNT n40 5230MHz Ant2



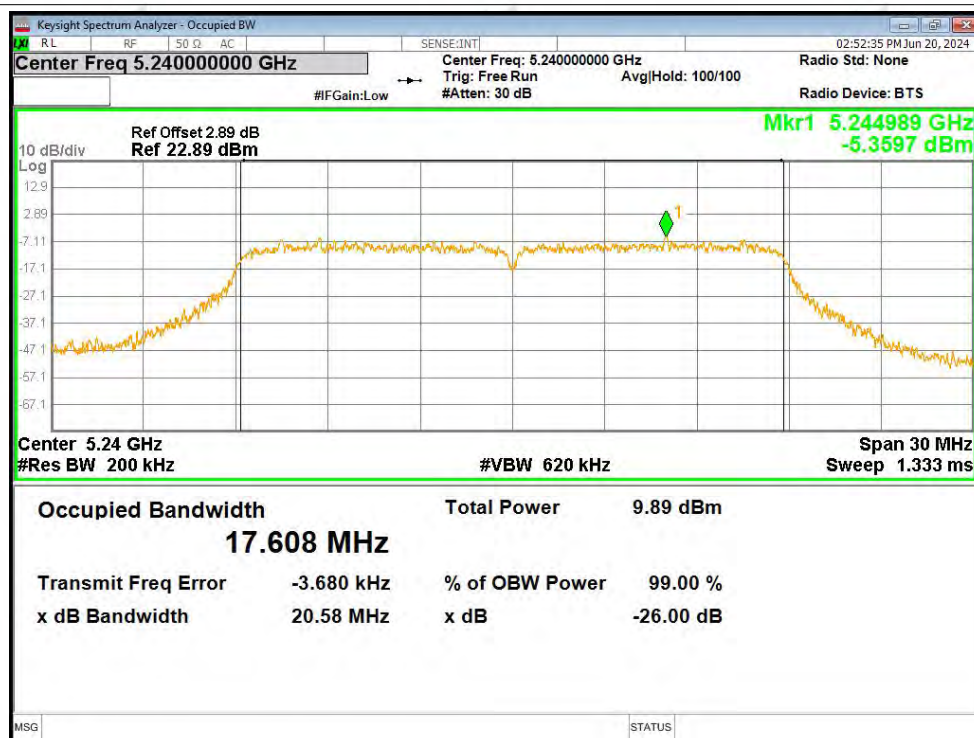
OBW NVNT ac20 5180MHz Ant1



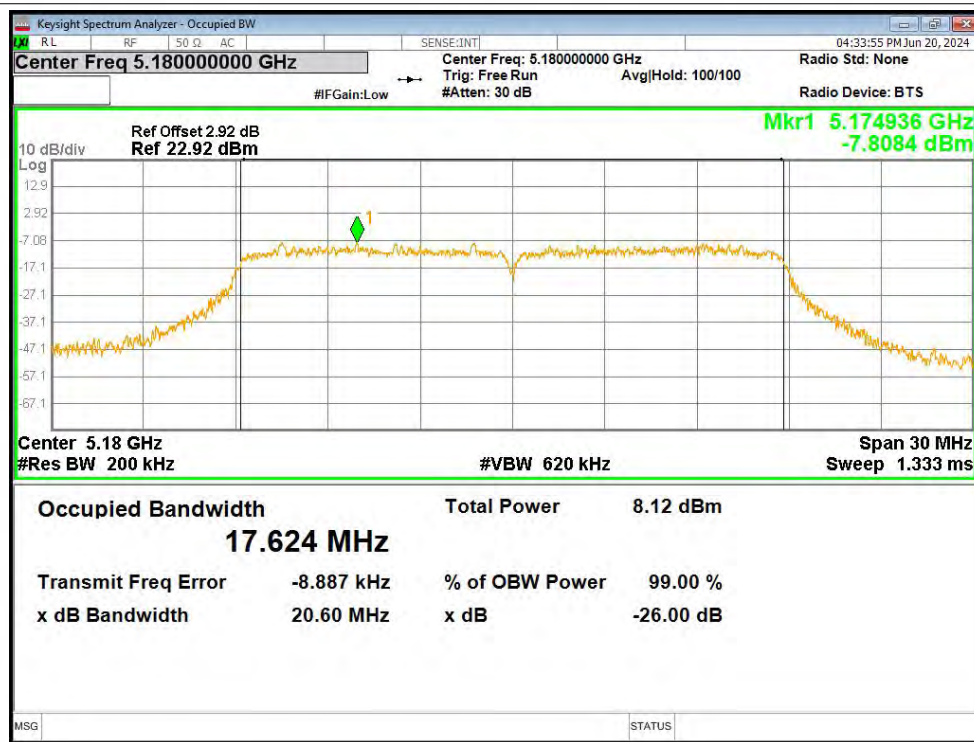
OBW NVNT ac20 5200MHz Ant1



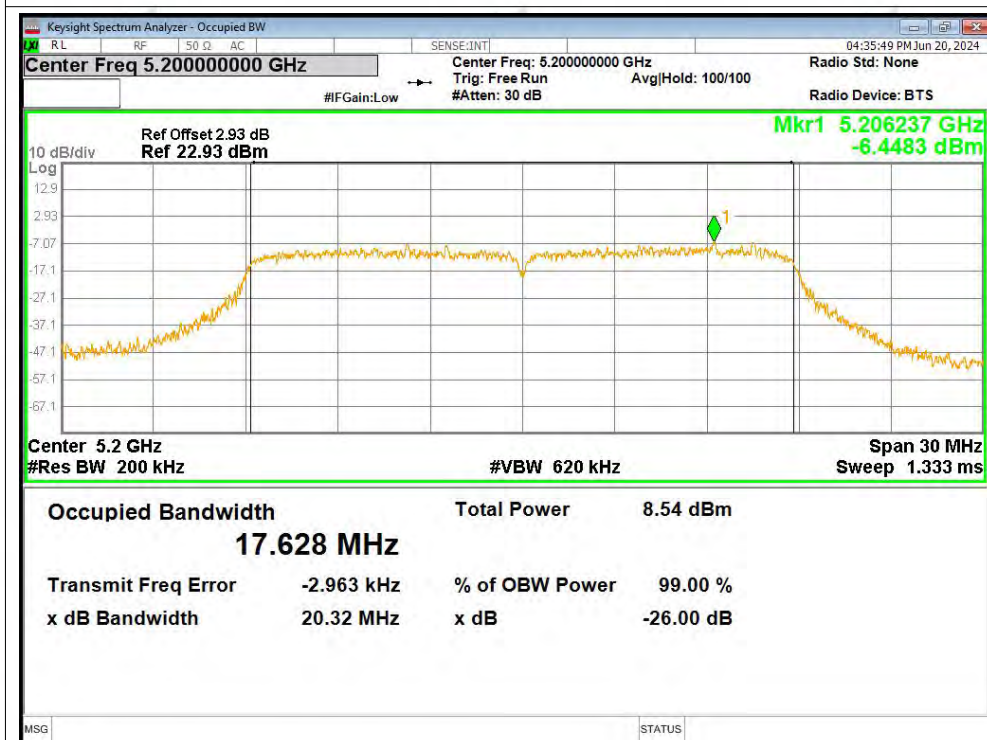
OBW NVNT ac20 5240MHz Ant1



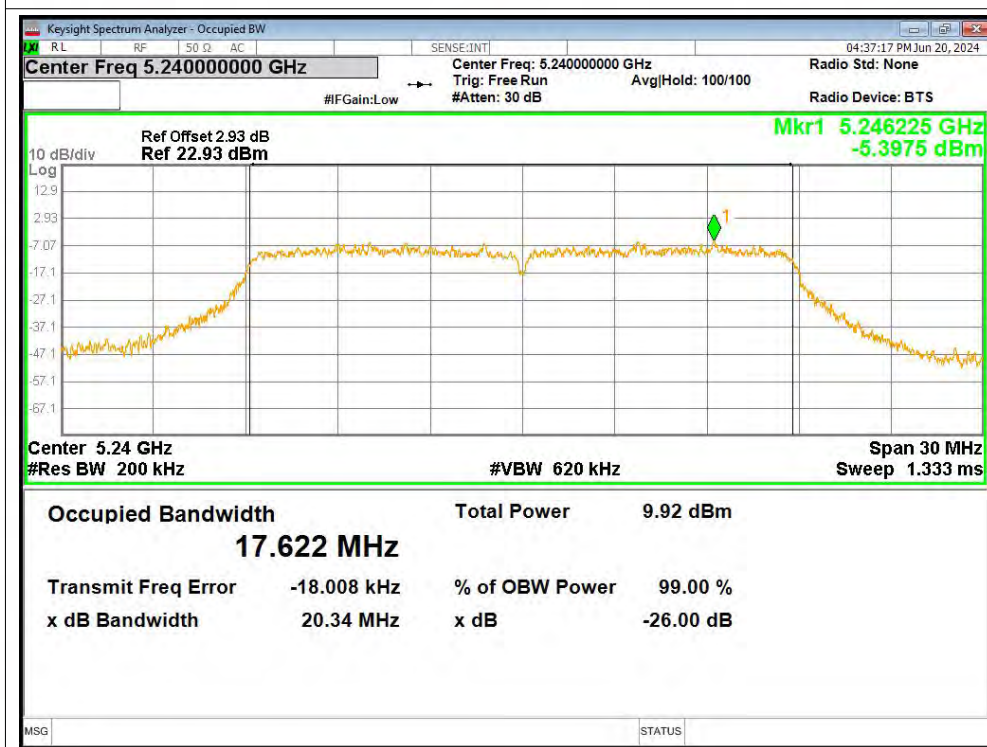
OBW NVNT ac20 5180MHz Ant2



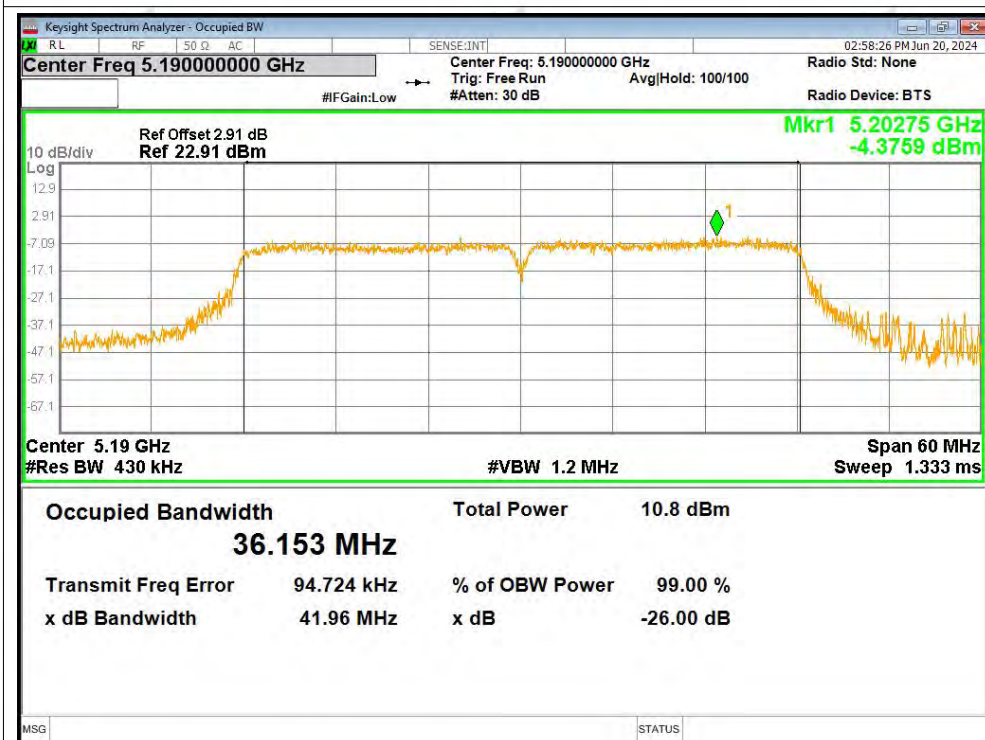
OBW NVNT ac20 5200MHz Ant2



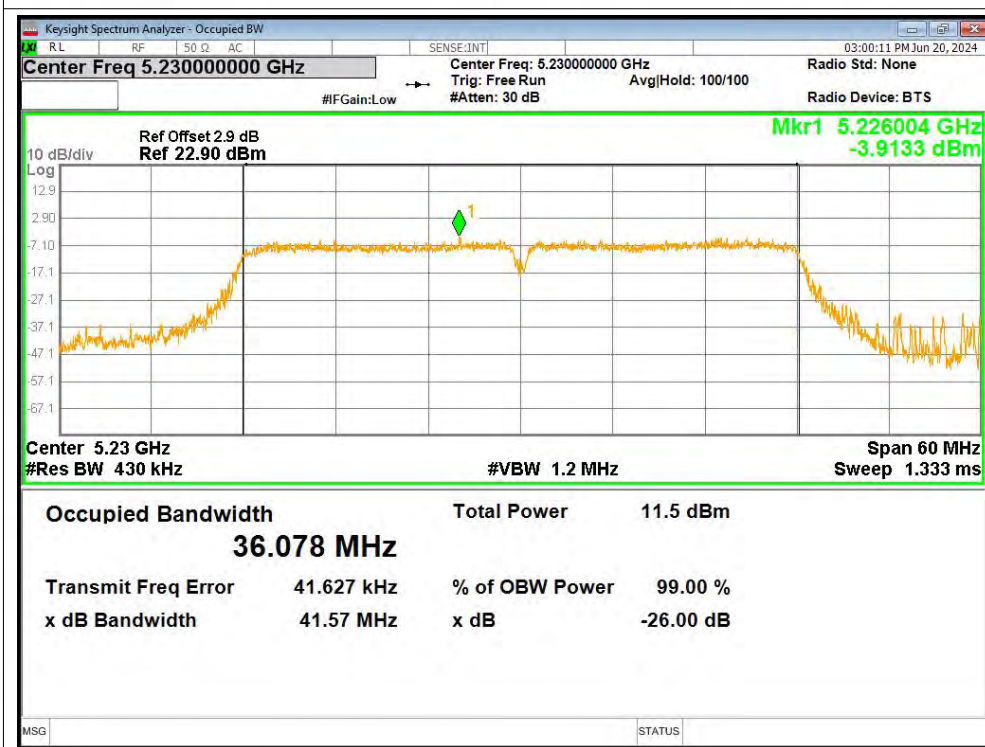
OBW NVNT ac20 5240MHz Ant2



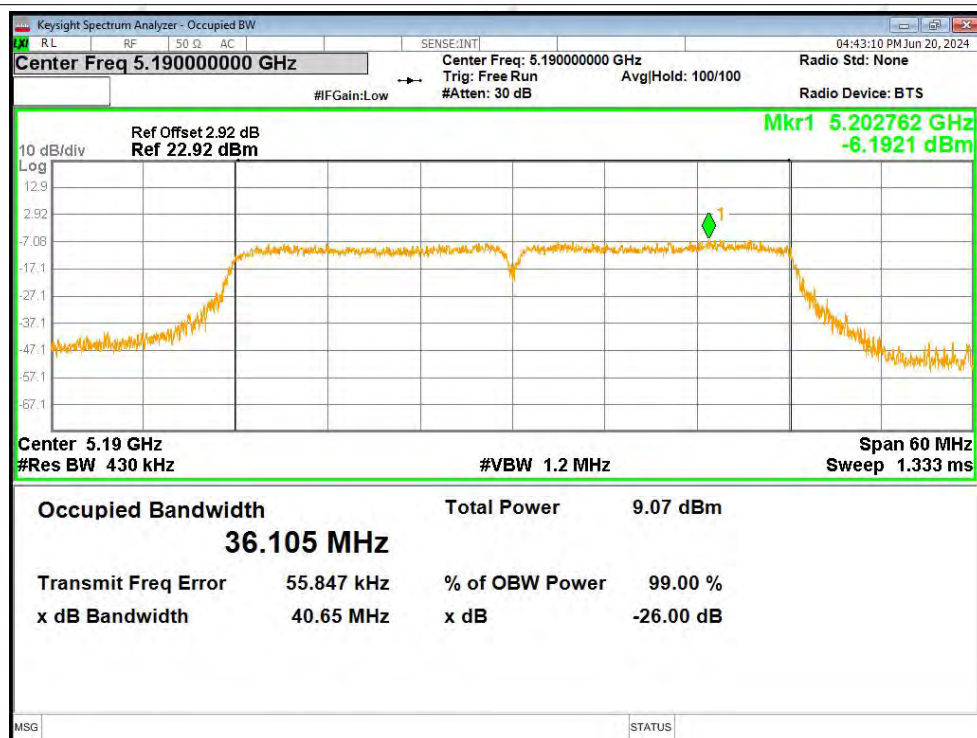
OBW NVNT ac40 5190MHz Ant1



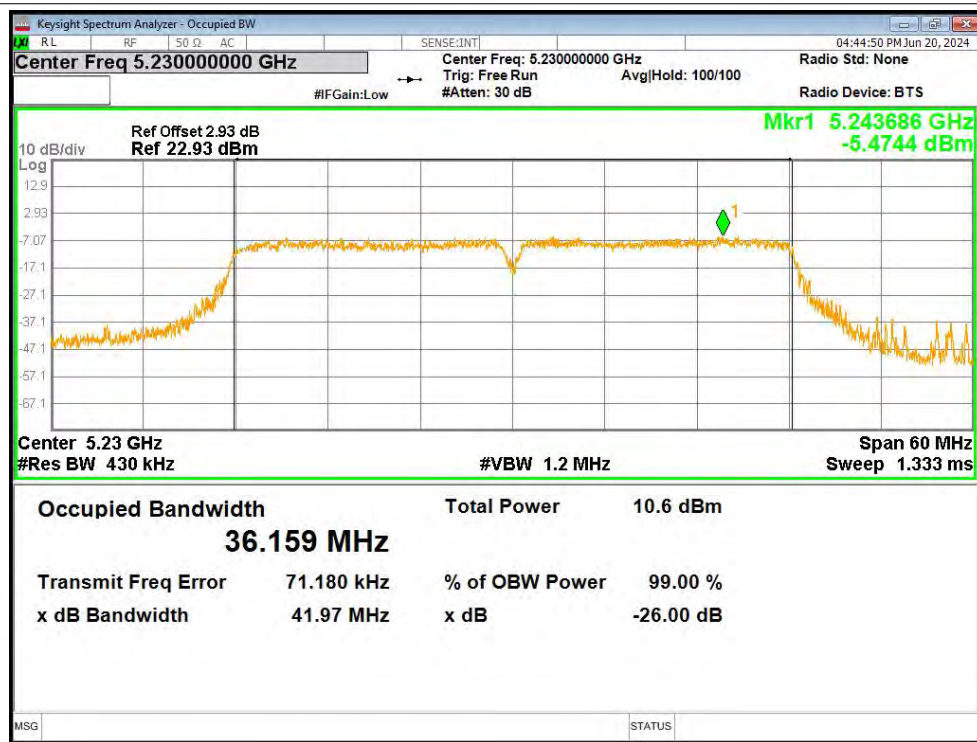
OBW NVNT ac40 5230MHz Ant1



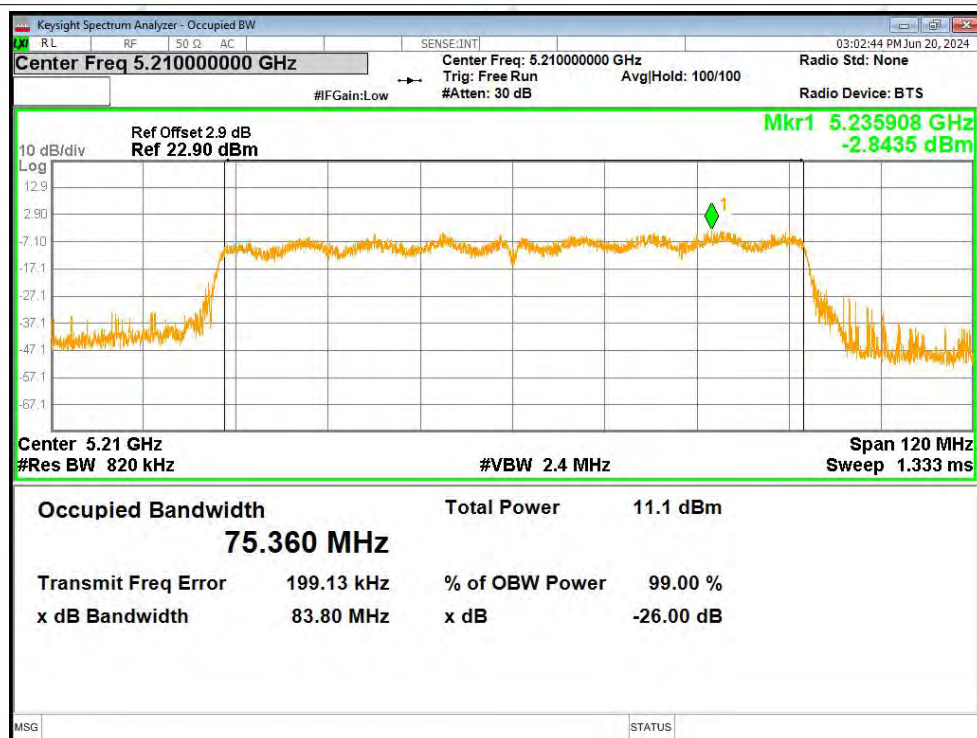
OBW NVNT ac40 5190MHz Ant2



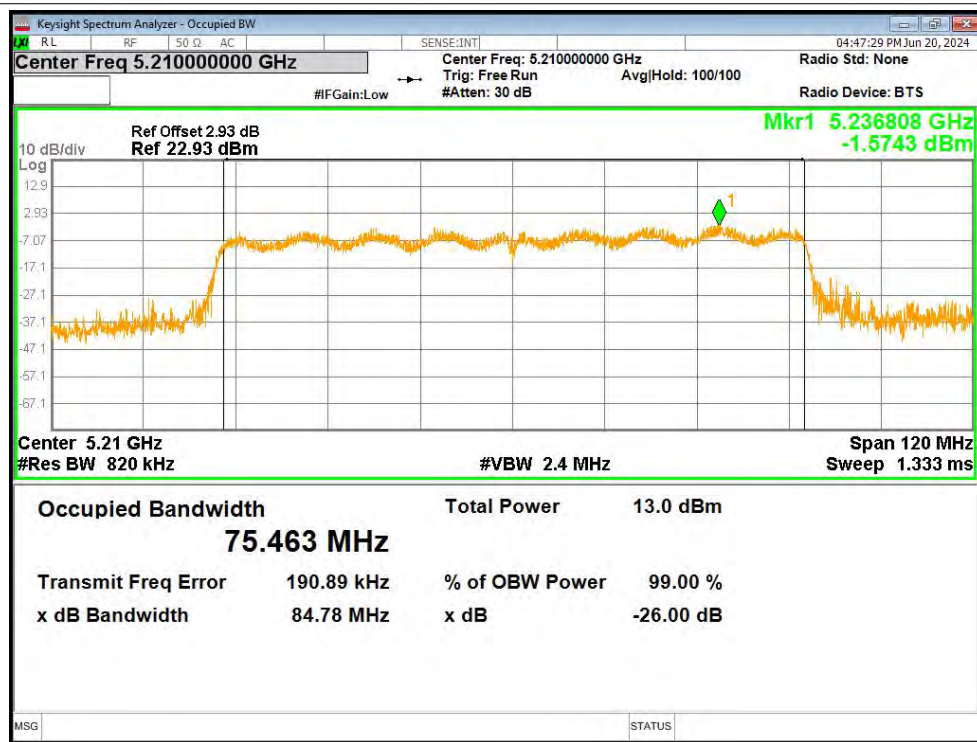
OBW NVNT ac40 5230MHz Ant2



OBW NVNT ac80 5210MHz Ant1



OBW NVNT ac80 5210MHz Ant2





A5. Maximum Power Spectral Density Level

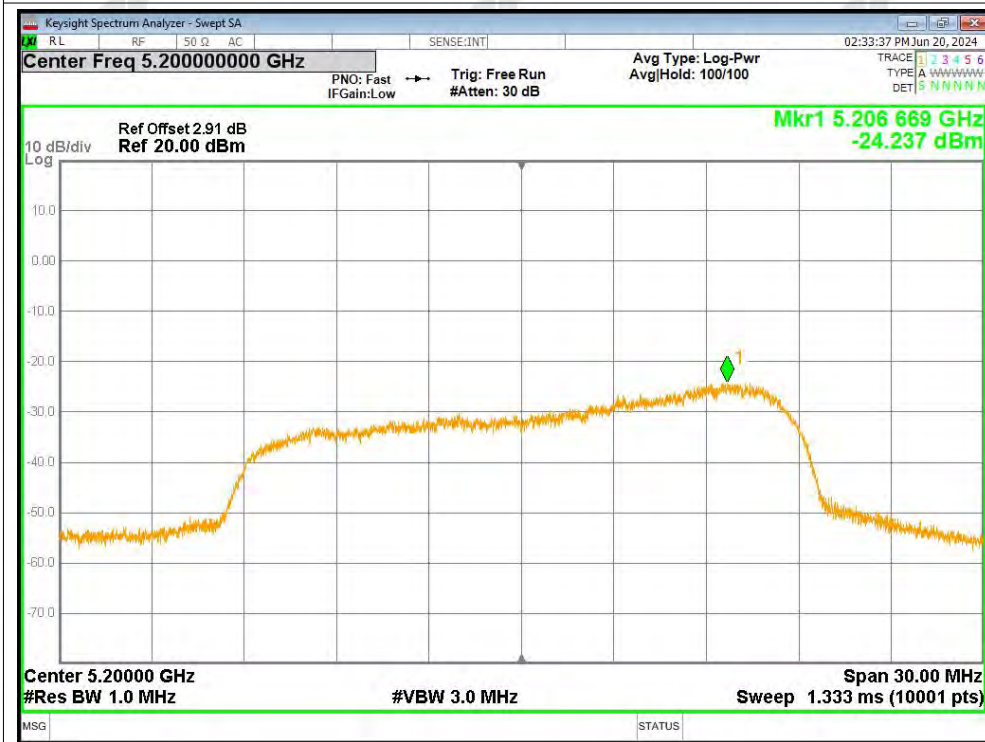
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-31.84	2.39	-29.45	11	Pass
NVNT	a	5200	Ant1	-24.24	2.41	-21.83	11	Pass
NVNT	a	5240	Ant1	-22.16	2.41	-19.75	11	Pass
NVNT	a	5180	Ant2	-28.84	2.39	-26.45	11	Pass
NVNT	a	5200	Ant2	-25.57	2.39	-23.18	11	Pass
NVNT	a	5240	Ant2	-25.45	2.39	-23.06	11	Pass
NVNT	n20	5180	Ant1	-28.79	2.52	-26.27	11	Pass
NVNT	n20	5200	Ant1	-30.83	2.52	-28.31	11	Pass
NVNT	n20	5240	Ant1	-28.56	2.52	-26.04	11	Pass
NVNT	n20	5180	Ant2	-30.78	2.52	-28.26	11	Pass
NVNT	n20	5200	Ant2	-28.71	2.54	-26.17	11	Pass
NVNT	n20	5240	Ant2	-26.3	2.51	-23.79	11	Pass
NVNT	n40	5190	Ant1	-33.64	4.09	-29.55	11	Pass
NVNT	n40	5230	Ant1	-34.73	4.16	-30.57	11	Pass
NVNT	n40	5190	Ant2	-37.06	4.09	-32.97	11	Pass
NVNT	n40	5230	Ant2	-39.81	4.09	-35.72	11	Pass
NVNT	ac20	5180	Ant1	-28.8	2.54	-26.26	11	Pass
NVNT	ac20	5200	Ant1	-28.37	2.51	-25.86	11	Pass
NVNT	ac20	5240	Ant1	-27.83	2.51	-25.32	11	Pass
NVNT	ac20	5180	Ant2	-29.37	2.51	-26.86	11	Pass
NVNT	ac20	5200	Ant2	-30.73	2.51	-28.22	11	Pass
NVNT	ac20	5240	Ant2	-28.34	2.51	-25.83	11	Pass
NVNT	ac40	5190	Ant1	-37.76	4.09	-33.67	11	Pass
NVNT	ac40	5230	Ant1	-34.74	4.09	-30.65	11	Pass
NVNT	ac40	5190	Ant2	-35.98	4.16	-31.82	11	Pass
NVNT	ac40	5230	Ant2	-35.44	4.09	-31.35	11	Pass
NVNT	ac80	5210	Ant1	-46.01	6.29	-39.72	11	Pass
NVNT	ac80	5210	Ant2	-42.95	6.15	-36.8	11	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1



PSD NVNT a 5240MHz Ant1



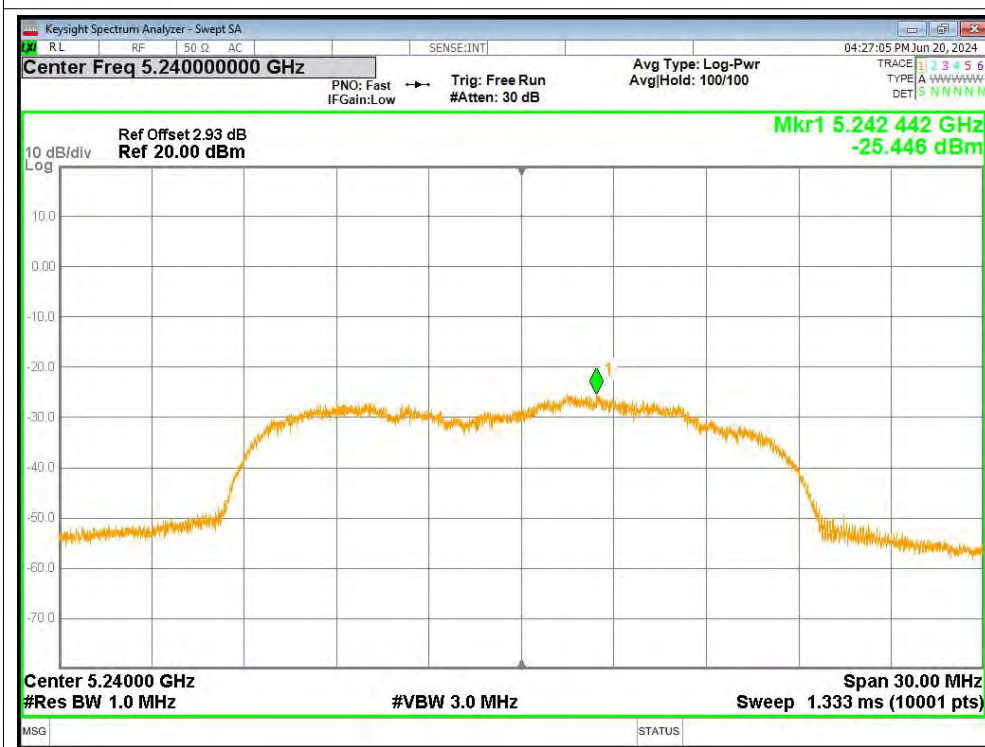
PSD NVNT a 5180MHz Ant2



PSD NVNT a 5200MHz Ant2



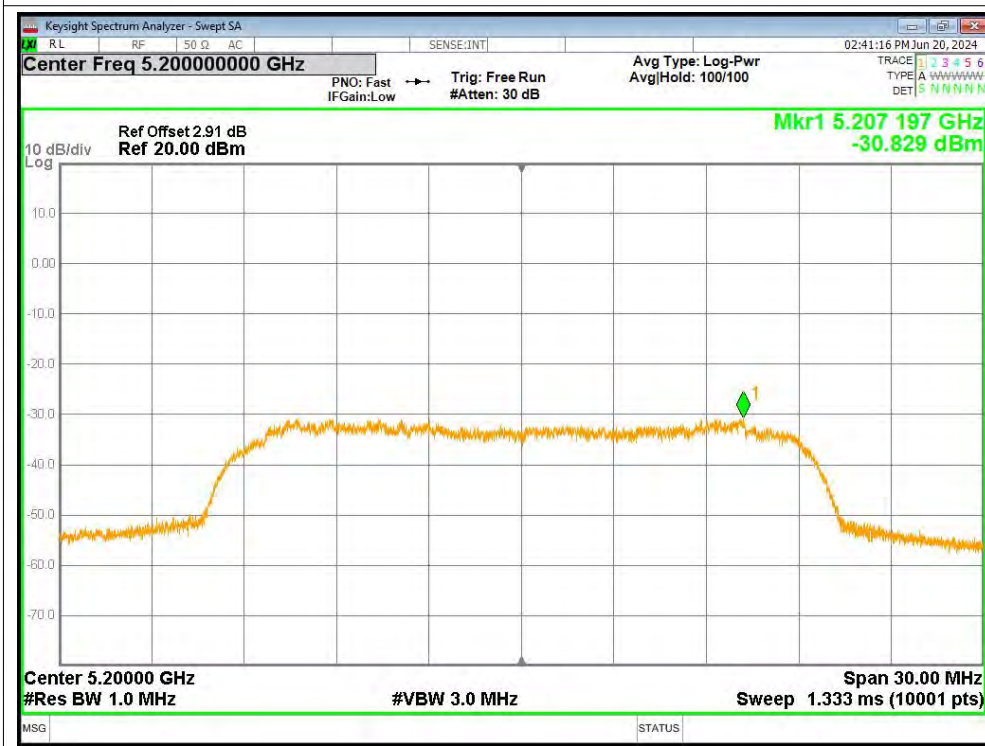
PSD NVNT a 5240MHz Ant2



PSD NVNT n20 5180MHz Ant1



PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



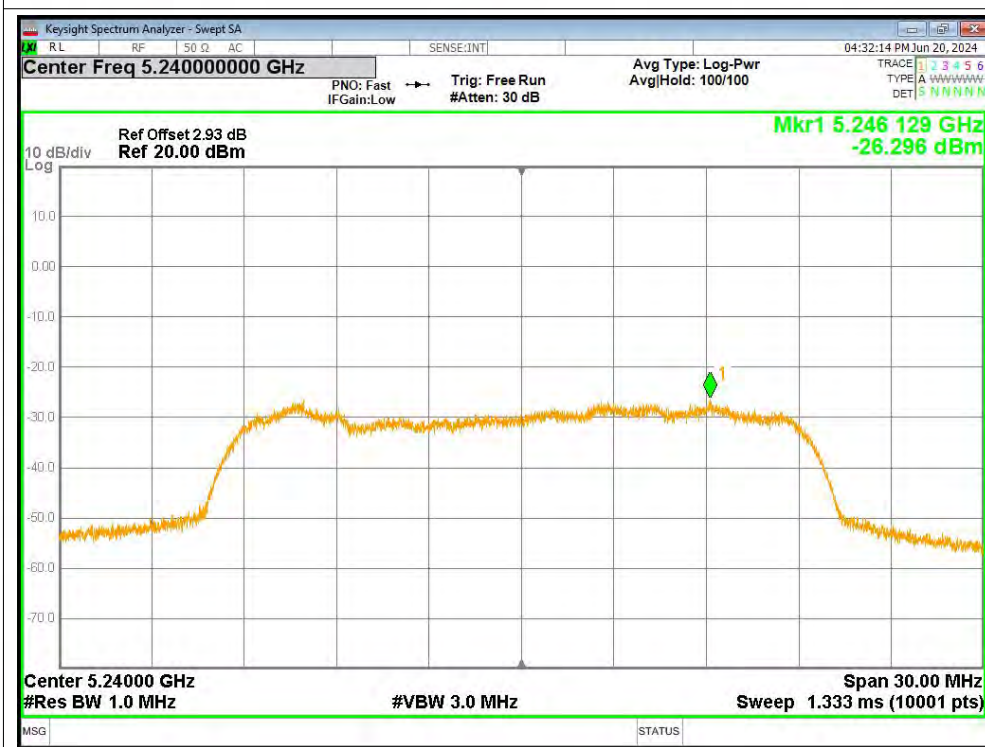
PSD NVNT n20 5180MHz Ant2



PSD NVNT n20 5200MHz Ant2



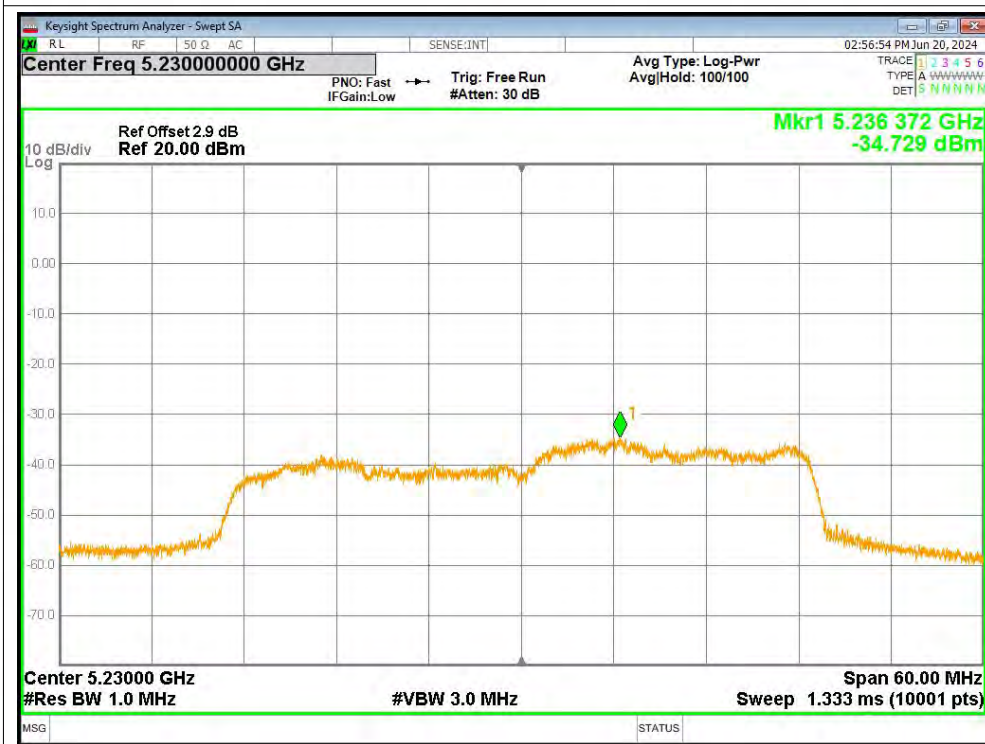
PSD NVNT n20 5240MHz Ant2



PSD NVNT n40 5190MHz Ant1



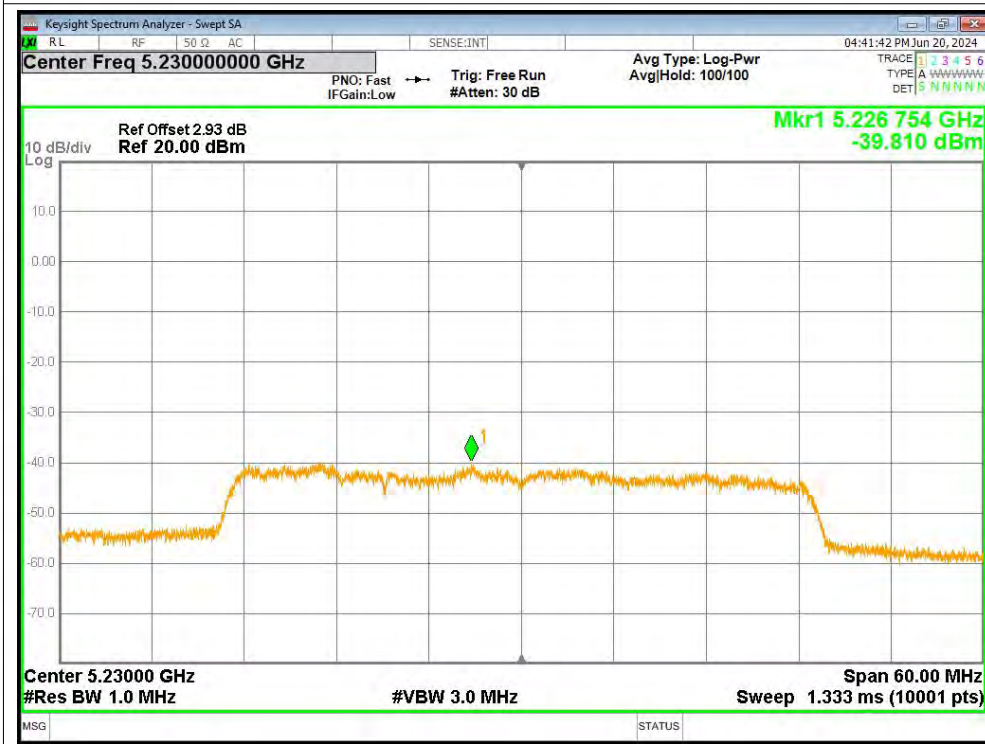
PSD NVNT n40 5230MHz Ant1



PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant2



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac20 5180MHz Ant2



PSD NVNT ac20 5200MHz Ant2



PSD NVNT ac20 5240MHz Ant2



PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5190MHz Ant2



PSD NVNT ac40 5230MHz Ant2



PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5210MHz Ant2



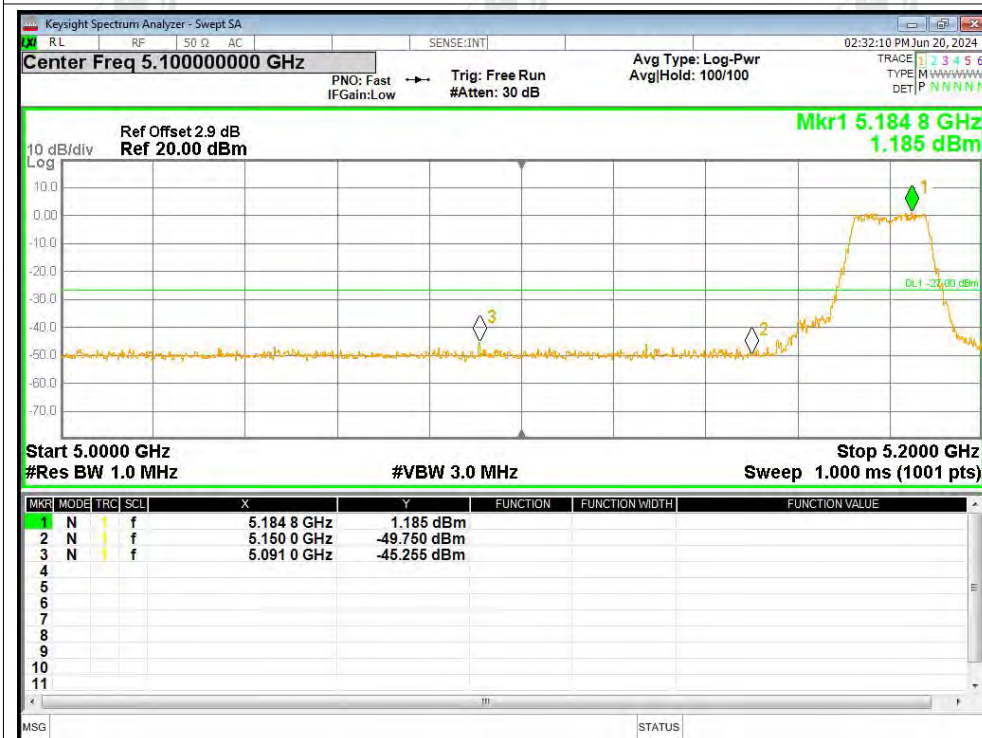


A6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-45.25	-27	Pass
NVNT	a	5240	Ant1	-45.83	-27	Pass
NVNT	a	5180	Ant2	-47.43	-27	Pass
NVNT	a	5240	Ant2	-45.94	-27	Pass
NVNT	n20	5180	Ant1	-47.62	-27	Pass
NVNT	n20	5240	Ant1	-45.69	-27	Pass
NVNT	n20	5180	Ant2	-47.43	-27	Pass
NVNT	n20	5240	Ant2	-46.11	-27	Pass
NVNT	n40	5190	Ant1	-32.82	-27	Pass
NVNT	n40	5230	Ant1	-46.72	-27	Pass
NVNT	n40	5190	Ant2	-41.42	-27	Pass
NVNT	n40	5230	Ant2	-45.91	-27	Pass
NVNT	ac20	5180	Ant1	-47.13	-27	Pass
NVNT	ac20	5240	Ant1	-45.64	-27	Pass
NVNT	ac20	5180	Ant2	-47.45	-27	Pass
NVNT	ac20	5240	Ant2	-45.62	-27	Pass
NVNT	ac40	5190	Ant1	-34.75	-27	Pass
NVNT	ac40	5230	Ant1	-45.83	-27	Pass
NVNT	ac40	5190	Ant2	-40.92	-27	Pass
NVNT	ac40	5230	Ant2	-46.2	-27	Pass
NVNT	ac80	5210	Ant1	-33.41	-27	Pass
NVNT	ac80	5210	Ant2	-32.48	-27	Pass

Test Graphs

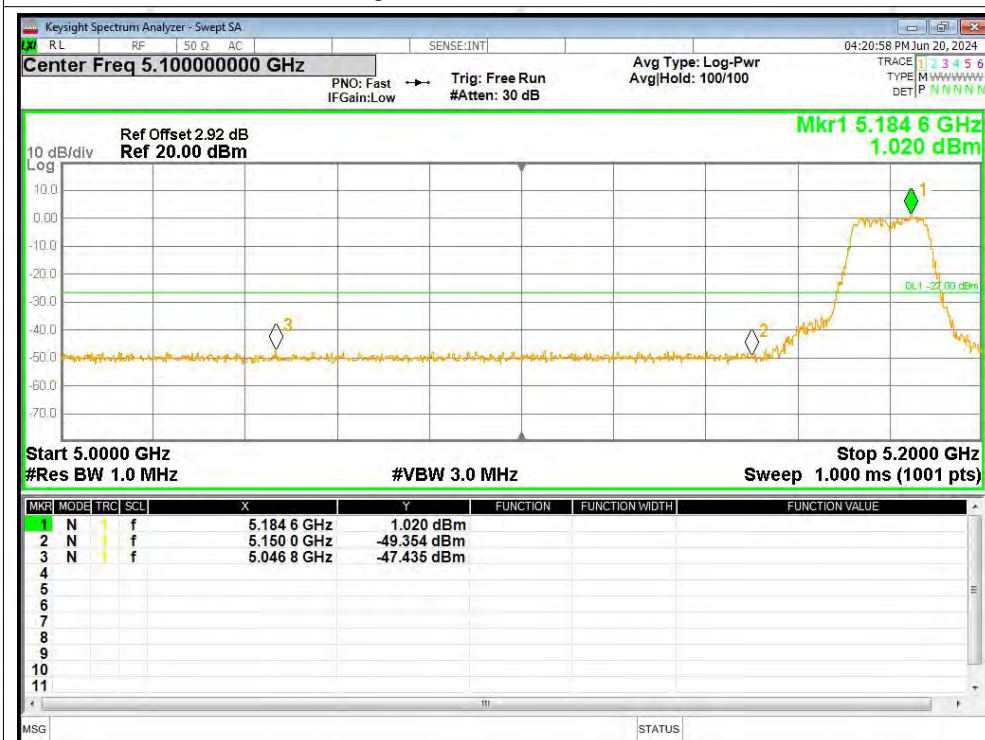
Band Edge NVNT a 5180MHz Low Ant1



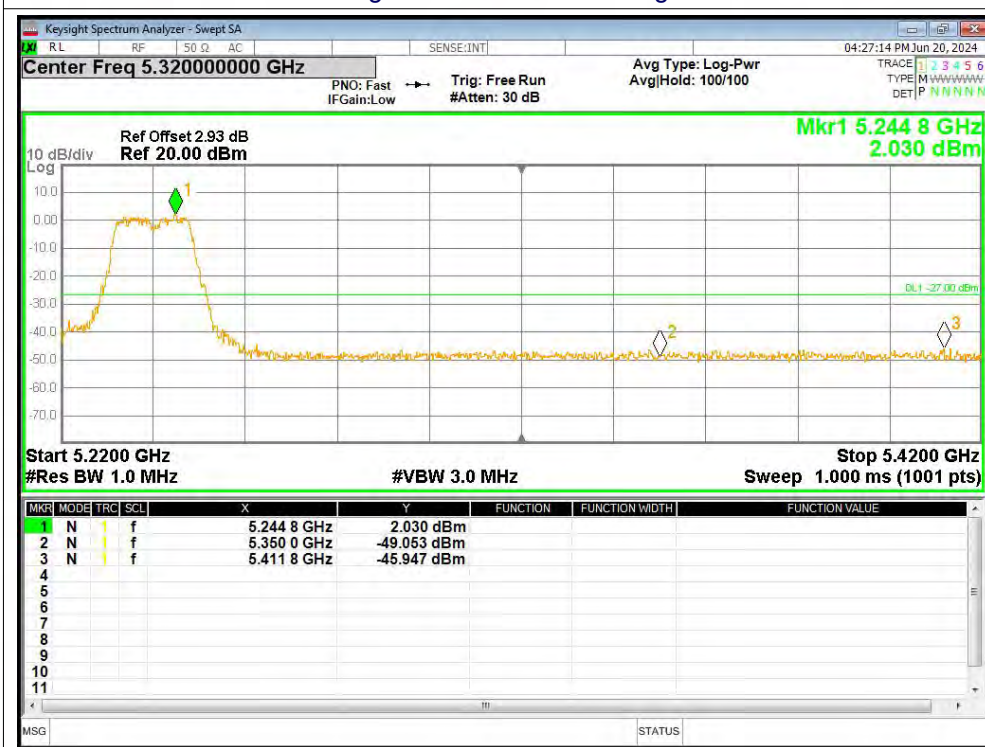
Band Edge NVNT a 5240MHz High Ant1



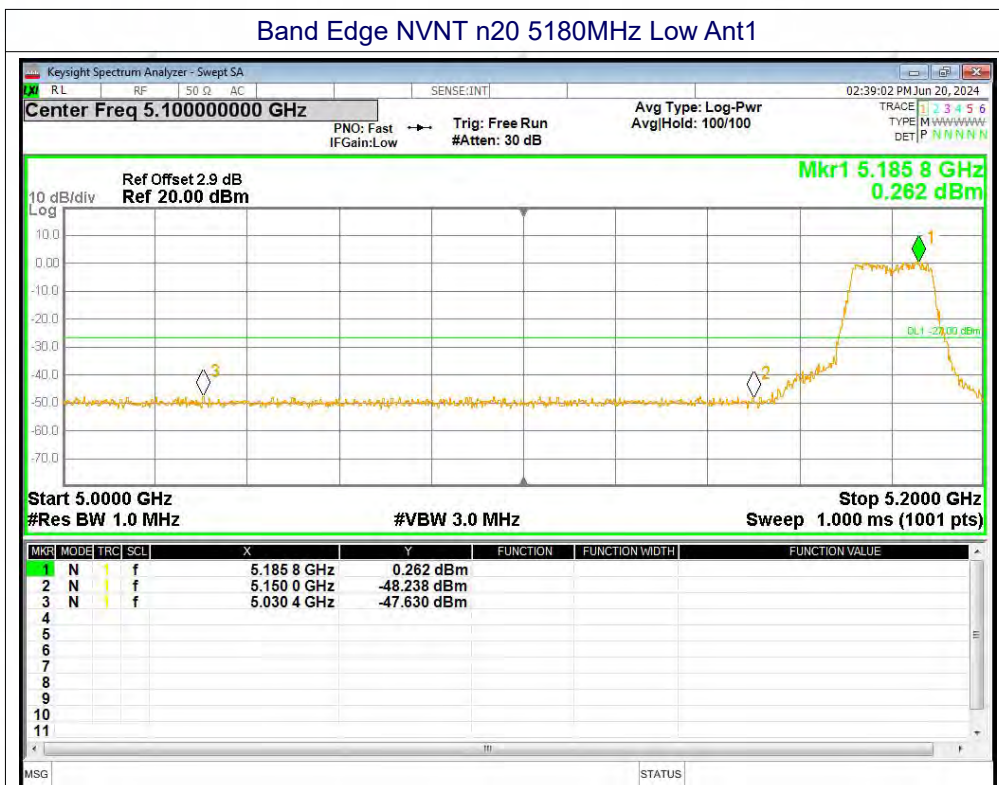
Band Edge NVNT a 5180MHz Low Ant2



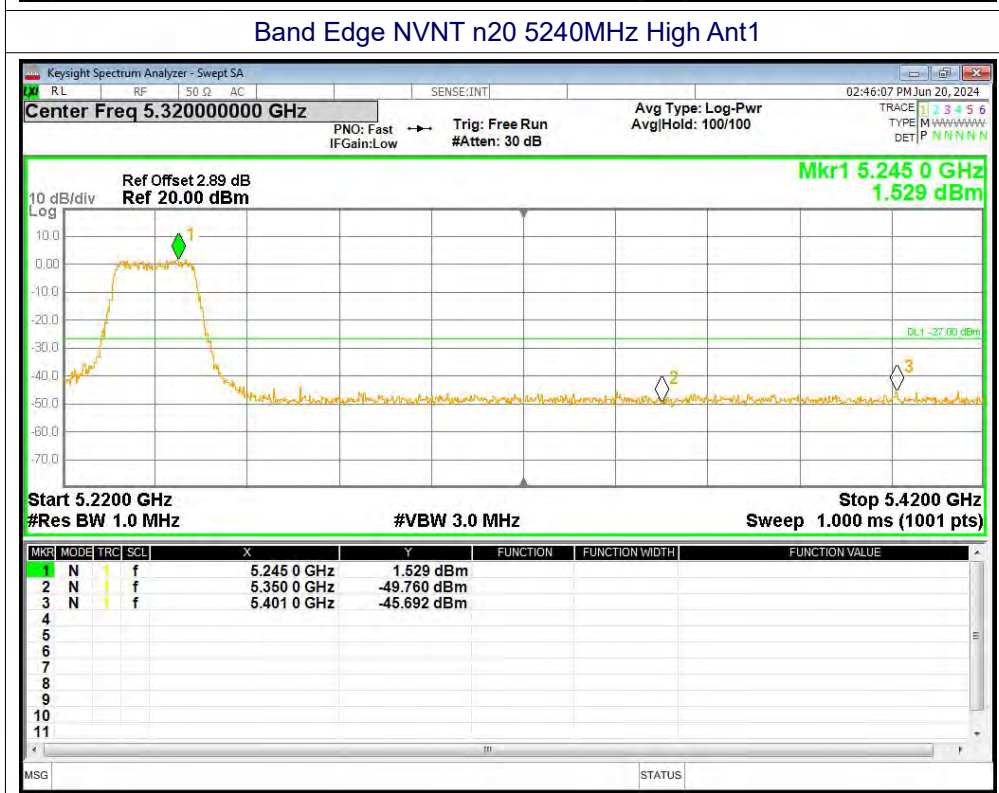
Band Edge NVNT a 5240MHz High Ant2



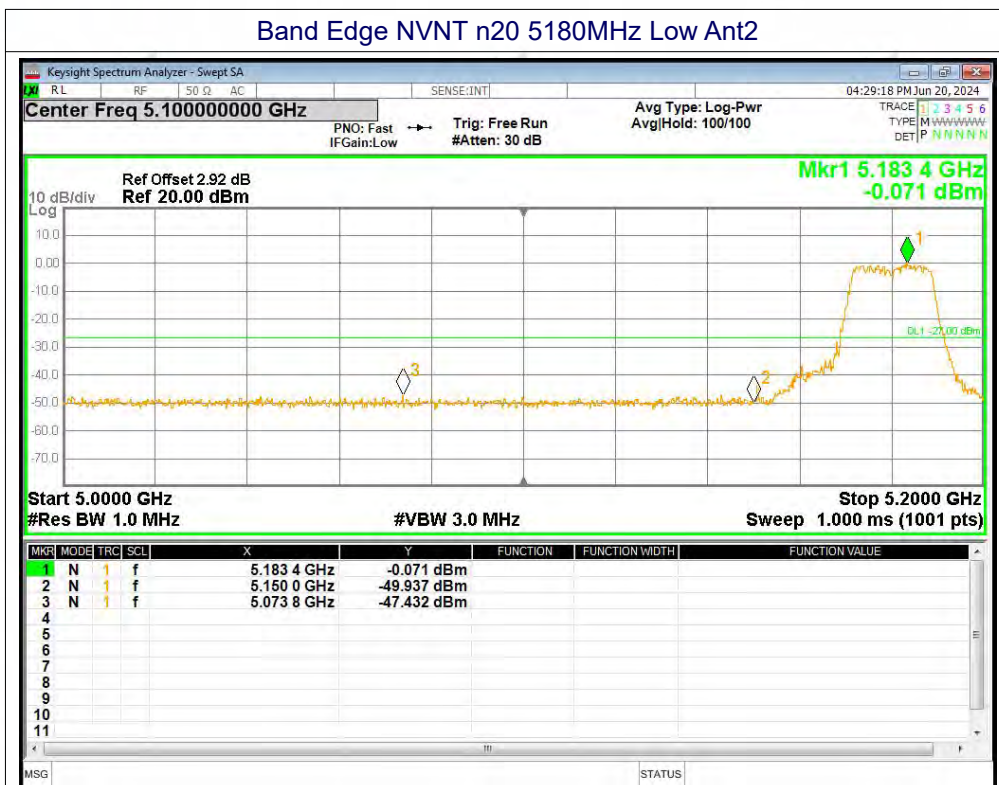
Band Edge NVNT n20 5180MHz Low Ant1



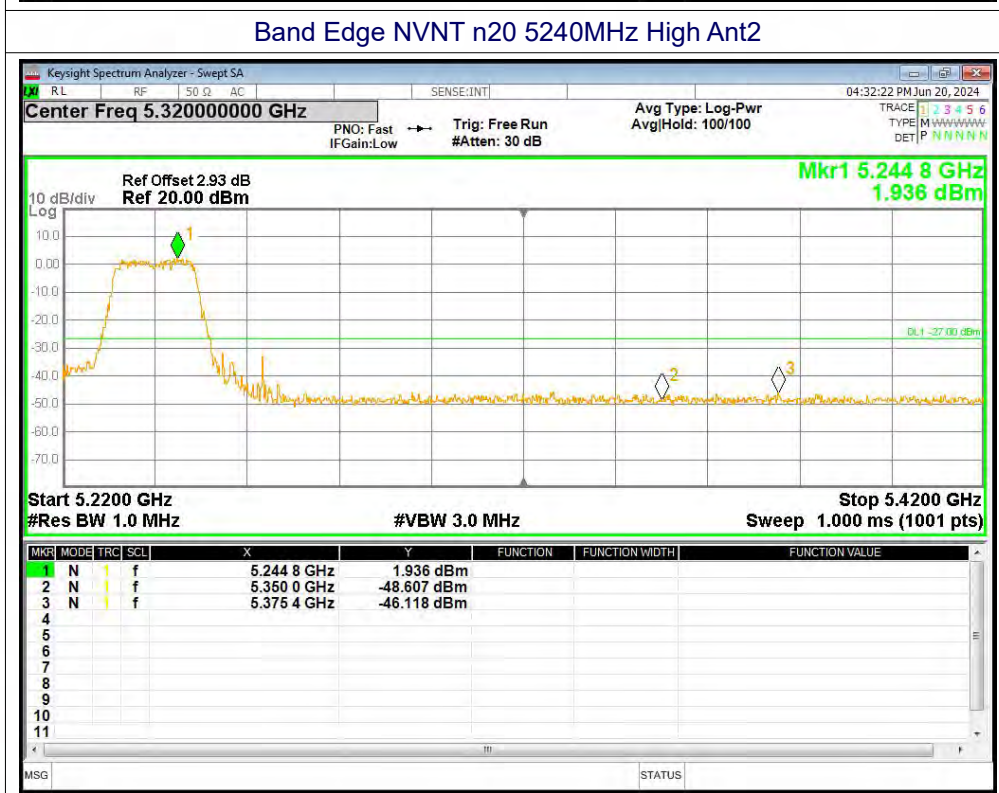
Band Edge NVNT n20 5240MHz High Ant1



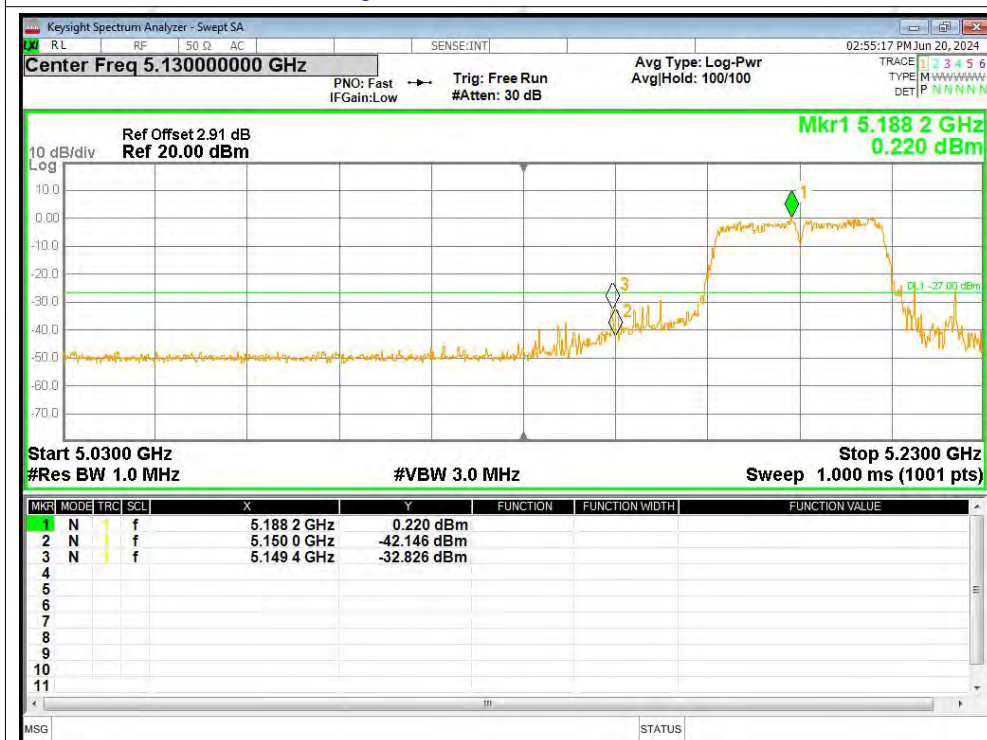
Band Edge NVNT n20 5180MHz Low Ant2



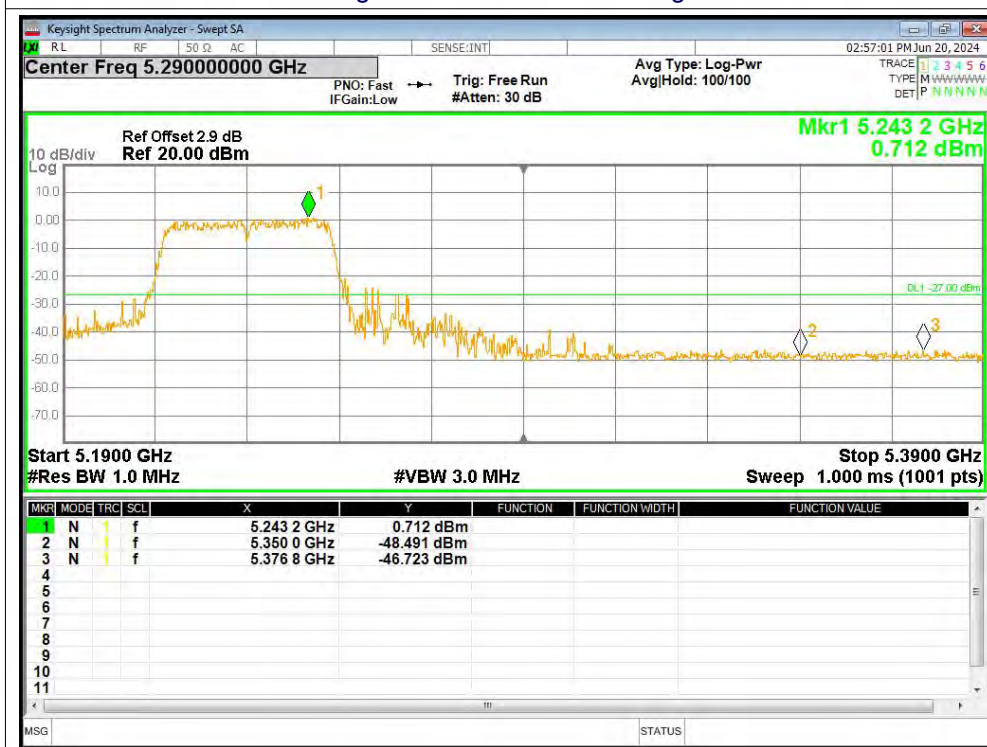
Band Edge NVNT n20 5240MHz High Ant2



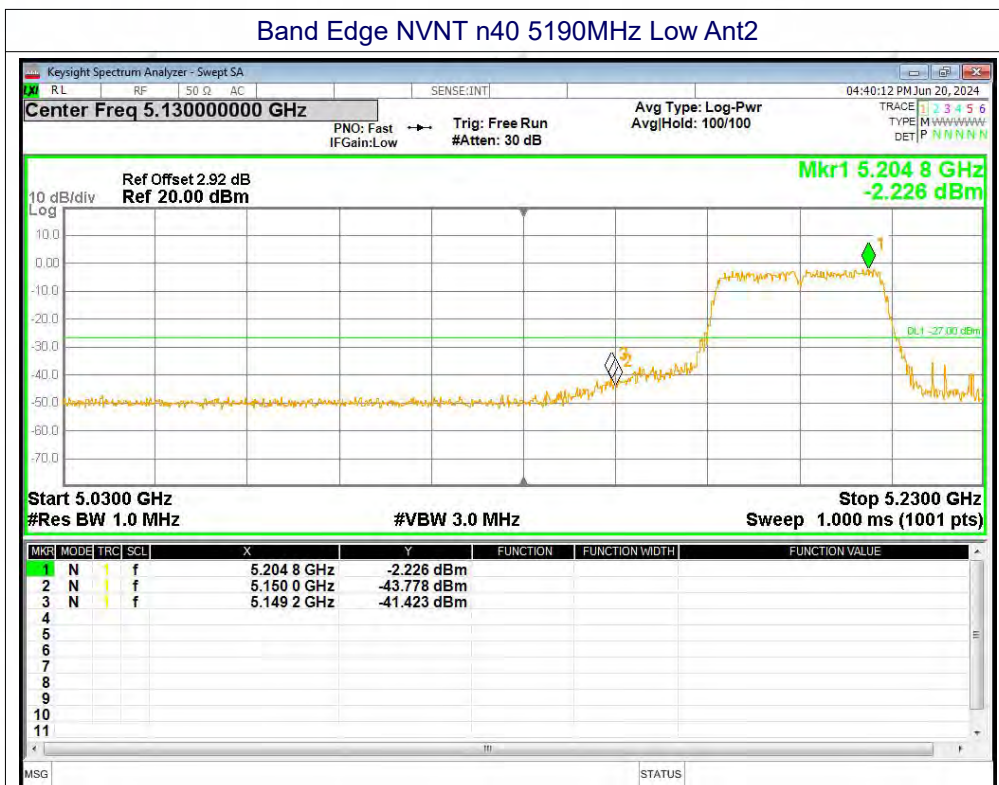
Band Edge NVNT n40 5190MHz Low Ant1



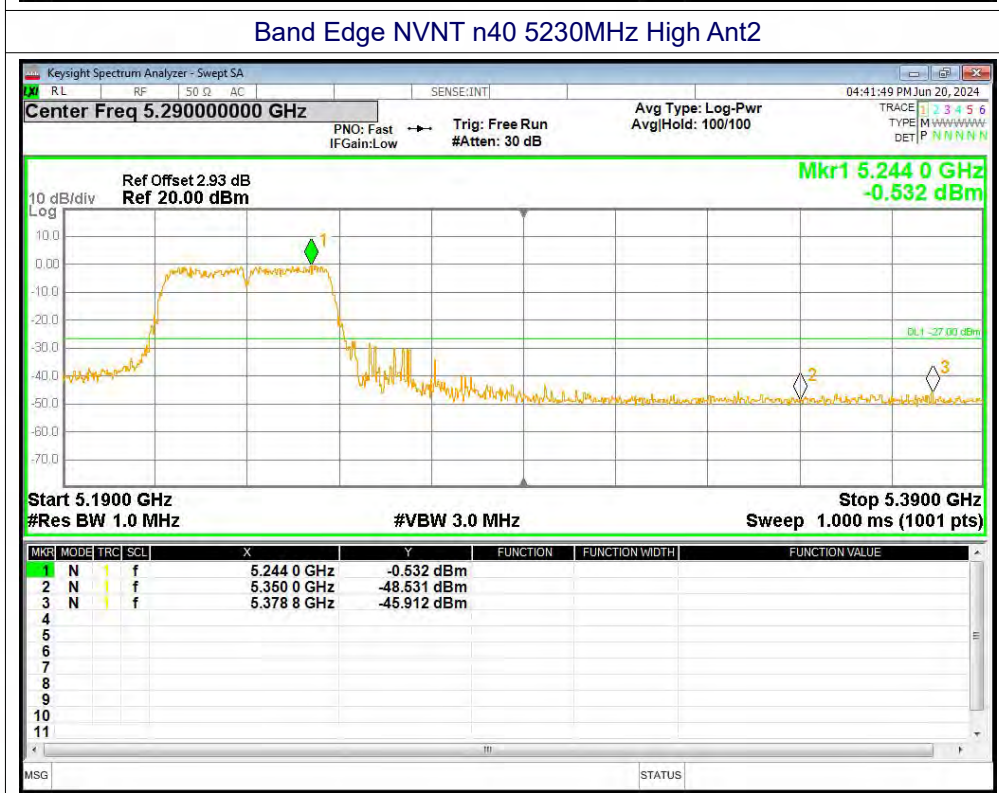
Band Edge NVNT n40 5230MHz High Ant1



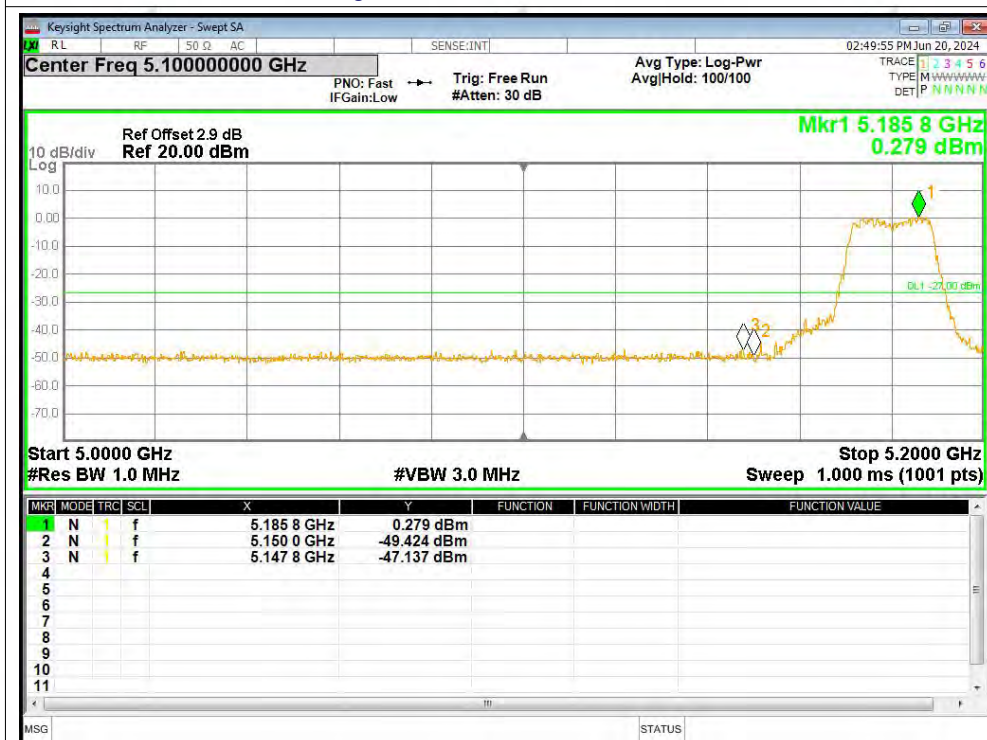
Band Edge NVNT n40 5190MHz Low Ant2



Band Edge NVNT n40 5230MHz High Ant2



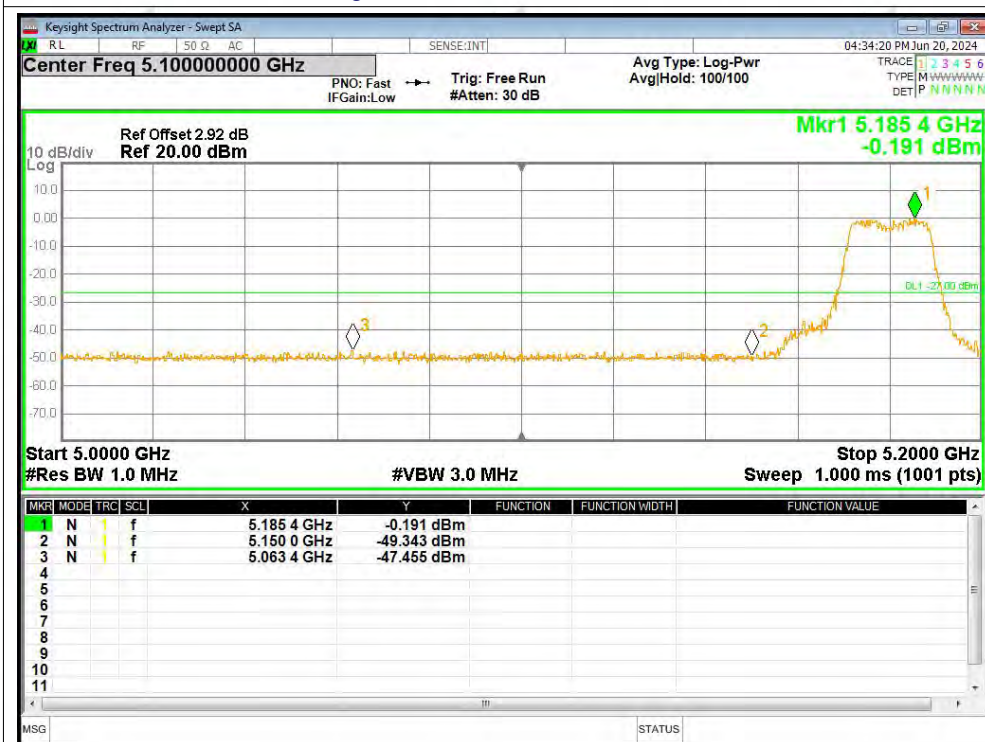
Band Edge NVNT ac20 5180MHz Low Ant1



Band Edge NVNT ac20 5240MHz High Ant1



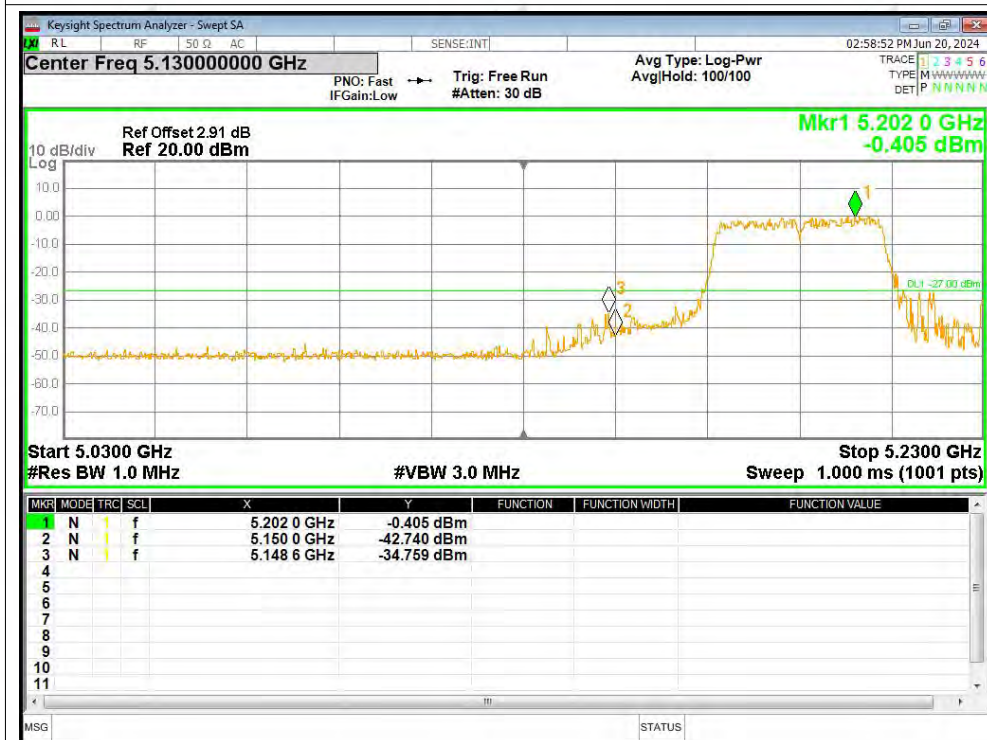
Band Edge NVNT ac20 5180MHz Low Ant2



Band Edge NVNT ac20 5240MHz High Ant2



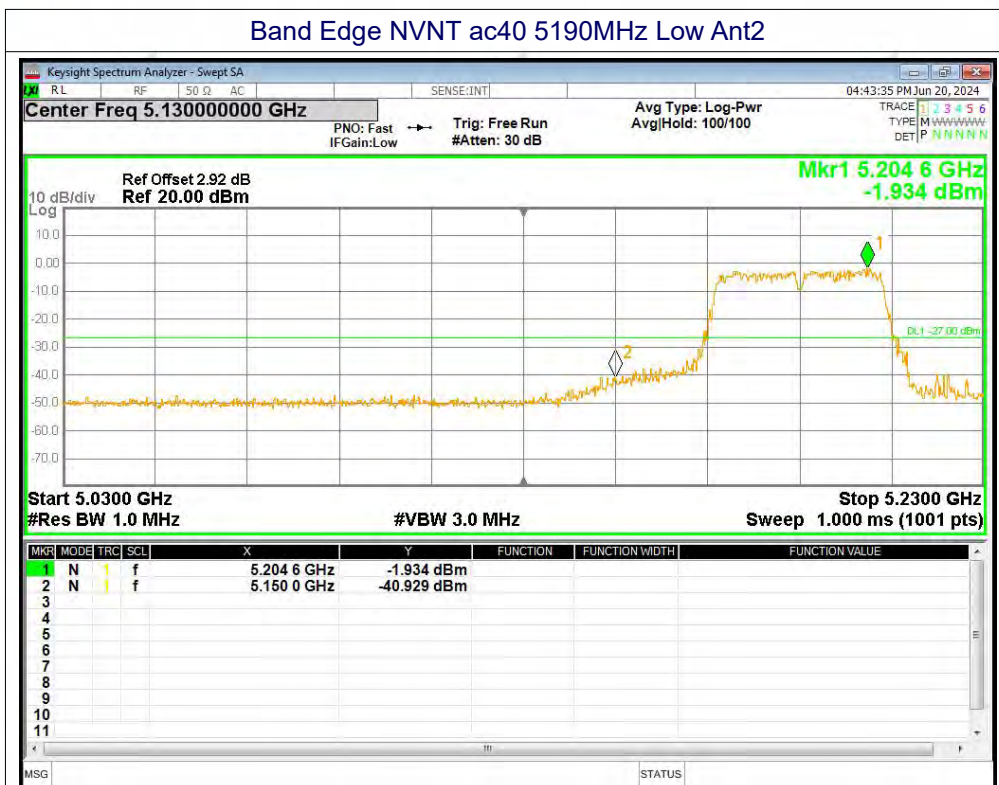
Band Edge NVNT ac40 5190MHz Low Ant1



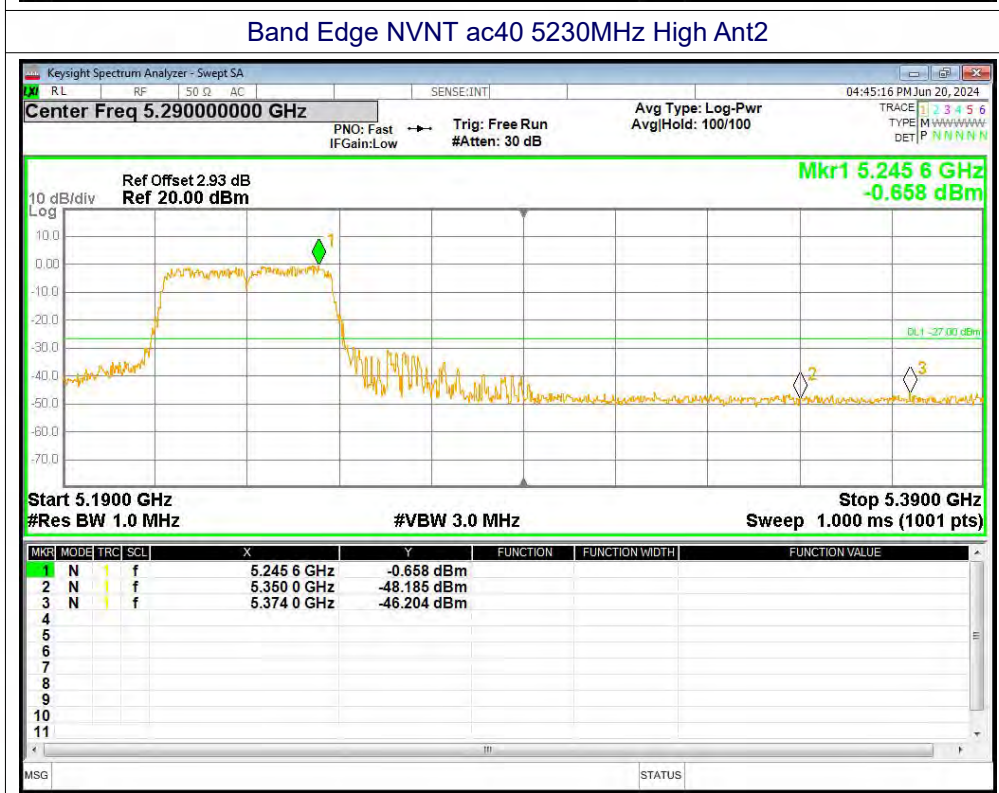
Band Edge NVNT ac40 5230MHz High Ant1



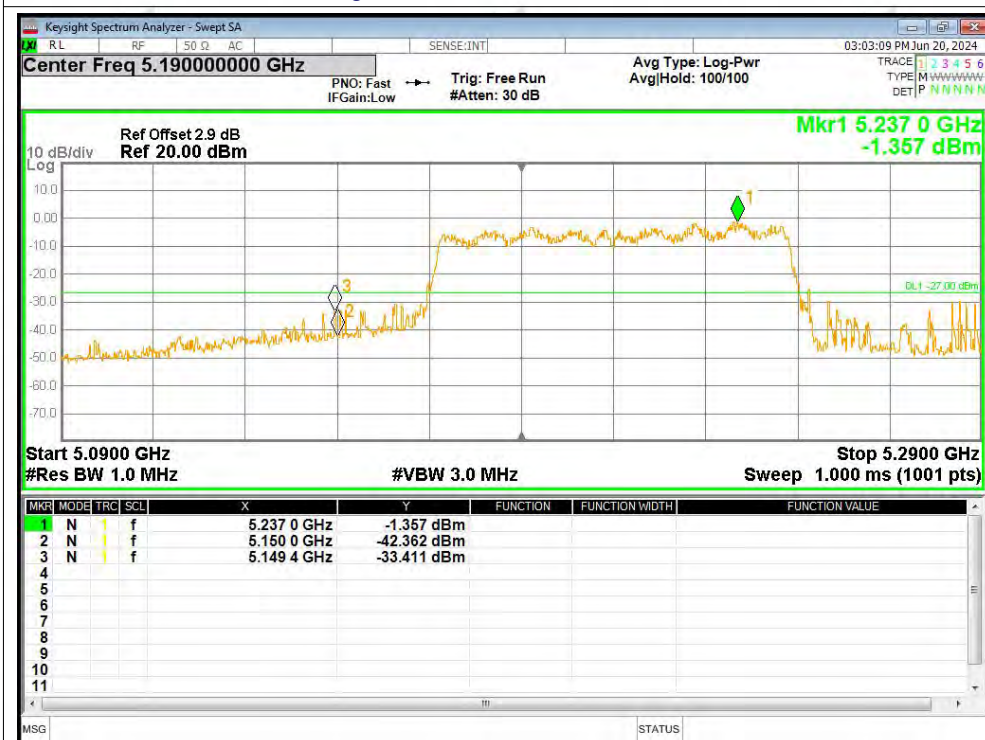
Band Edge NVNT ac40 5190MHz Low Ant2



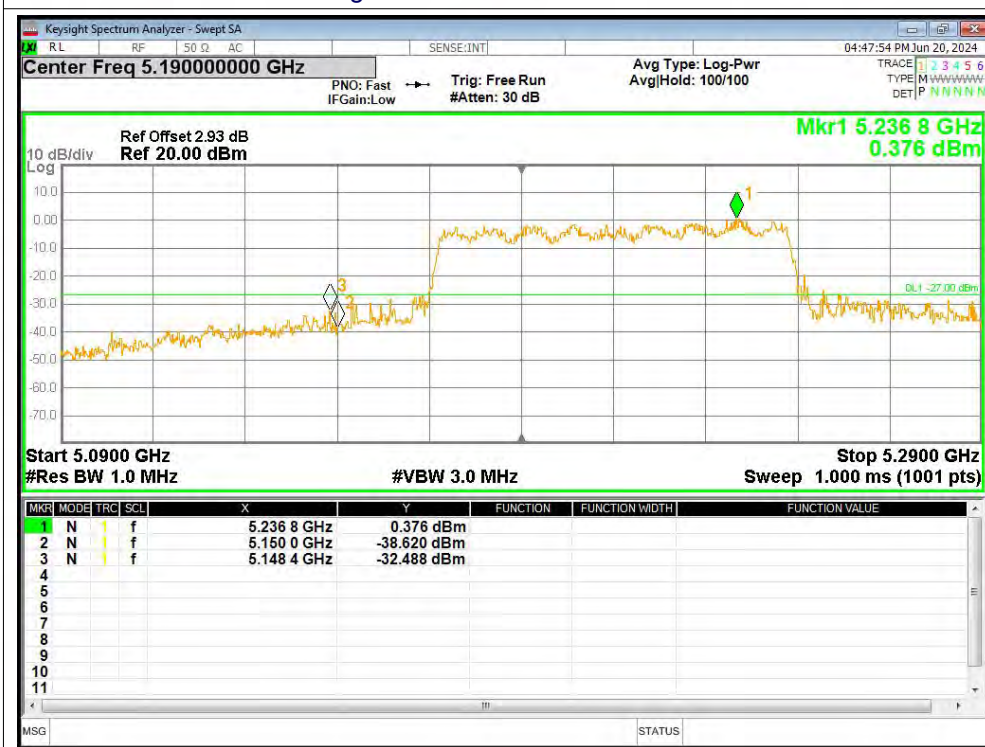
Band Edge NVNT ac40 5230MHz High Ant2



Band Edge NVNT ac80 5210MHz Low Ant1



Band Edge NVNT ac80 5210MHz Low Ant2





A7. Frequency Stability

ANT1							
Voltage							
TestMode	Channel	Voltage [Vdc]	Temperature (°C)	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	-20000	-3.85		
		LV	NT	-20000	-3.85		
		HV	NT	-20000	-3.85		
	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	-20000	-3.85		
		LV	NT	-20000	-3.85		
		HV	NT	-20000	-3.85		
	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	-40000	-7.69		
		LV	NT	-40000	-7.69		
		HV	NT	-40000	-7.69		
	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	0	0		
		LV	NT	0	0		
		HV	NT	0	0		
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		

ANT1							
Temperature							
TestMod e	Channel	Voltage [Vdc]	Temperature (°C)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5180	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		
	5200	NV	-20	-20000	-3.85		
		NV	-10	-20000	-3.85		
		NV	0	-20000	-3.85		
		NV	20	-20000	-3.85		
		NV	40	-20000	-3.85		
		NV	60	-20000	-3.85		
		NV	70	-20000	-3.85		
	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	-20000	-3.85		
		NV	-10	-20000	-3.85		
		NV	0	-20000	-3.85		
		NV	20	-20000	-3.85		
		NV	40	-20000	-3.85		
		NV	60	-20000	-3.85		
		NV	70	-20000	-3.85		
	5240	NV	-20	-20000	-3.85		
		NV	-10	-20000	-3.85		
		NV	0	-20000	-3.85		
		NV	20	-20000	-3.85		
		NV	40	-20000	-3.85		
		NV	60	-20000	-3.85		
		NV	70	-20000	-3.85		
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	-40000	-7.69		
		NV	-10	-40000	-7.69		
		NV	0	-40000	-7.69		
		NV	20	-40000	-7.69		
		NV	40	-40000	-7.69		



		NV	60	-40000	-7.69		
		NV	70	-40000	-7.69		
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		
		NV	-20	0	0		
		NV	-10	0	0		
N40	5190	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		
	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		
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		

ANT2							
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	-40000	-7.69		
		LV	NT	-40000	-7.69		
		HV	NT	-40000	-7.69		
	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	-20000	-3.85		
		LV	NT	-20000	-3.85		
		HV	NT	-20000	-3.85		
	5240	NV	NT	-20000	-3.82		
		LV	NT	-20000	-3.82		
		HV	NT	-20000	-3.82		
ac20	5180	NV	NT	-40000	-7.72		
		LV	NT	-40000	-7.72		
		HV	NT	-40000	-7.72		
	5200	NV	NT	-40000	-7.69		
		LV	NT	-40000	-7.69		
		HV	NT	-40000	-7.69		
	5240	NV	NT	-20000	-3.82		
		LV	NT	-20000	-3.82		
		HV	NT	-20000	-3.82		

n40	5190	NV	NT	-20000	-3.82	Within 5150-5250MHz	Pass
		LV	NT	-20000	-3.82		
		HV	NT	-20000	-3.82		
	5230	NV	NT	0	0		
		LV	NT	0	0		
		HV	NT	0	0		
ac40	5190	NV	NT	-40000	-7.71		
		LV	NT	-40000	-7.71		
		HV	NT	-40000	-7.71		
	5230	NV	NT	0	0		
		LV	NT	0	0		
		HV	NT	0	0		
ac80	5210	NV	NT	0	0		
		LV	NT	0	0		
		HV	NT	0	0		

ANT2							
Temperature							
TestMod e	Channel	Voltage [Vdc]	Temperature (°C)	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	-40000	-7.69		
		NV	-10	-40000	-7.69		
		NV	0	-40000	-7.69		
		NV	20	-40000	-7.69		
		NV	40	-40000	-7.69		
		NV	60	-40000	-7.69		
		NV	70	-40000	-7.69		
	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	-20000	-3.85		
		NV	-10	-20000	-3.85		
		NV	0	-20000	-3.85		
		NV	20	-20000	-3.85		
		NV	40	-20000	-3.85		
		NV	60	-20000	-3.85		
		NV	70	-20000	-3.85		
	5240	NV	-20	-20000	-3.85		
		NV	-10	-20000	-3.85		
		NV	0	-20000	-3.85		
		NV	20	-20000	-3.85		
		NV	40	-20000	-3.85		
		NV	60	-20000	-3.85		
		NV	70	-20000	-3.85		
ac20	5180	NV	-20	-40000	-7.72		
		NV	-10	-40000	-7.72		
		NV	0	-40000	-7.72		
		NV	20	-40000	-7.72		
		NV	40	-40000	-7.72		
		NV	60	-40000	-7.72		
		NV	70	-40000	-7.72		
	5200	NV	-20	-40000	-7.69		
		NV	-10	-40000	-7.69		
		NV	0	-40000	-7.69		
		NV	20	-40000	-7.69		
		NV	40	-40000	-7.69		
		NV	40	-40000	-7.69		



		NV	60	-40000	-7.69		
		NV	70	-40000	-7.69		
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		
		NV	-20	-40000	-7.71		
		NV	-10	-40000	-7.71		
		NV	0	-40000	-7.71		
N40	5190	NV	20	-40000	-7.71		
		NV	40	-40000	-7.71		
		NV	60	-40000	-7.71		
		NV	70	-40000	-7.71		
	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		
ac40	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	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		

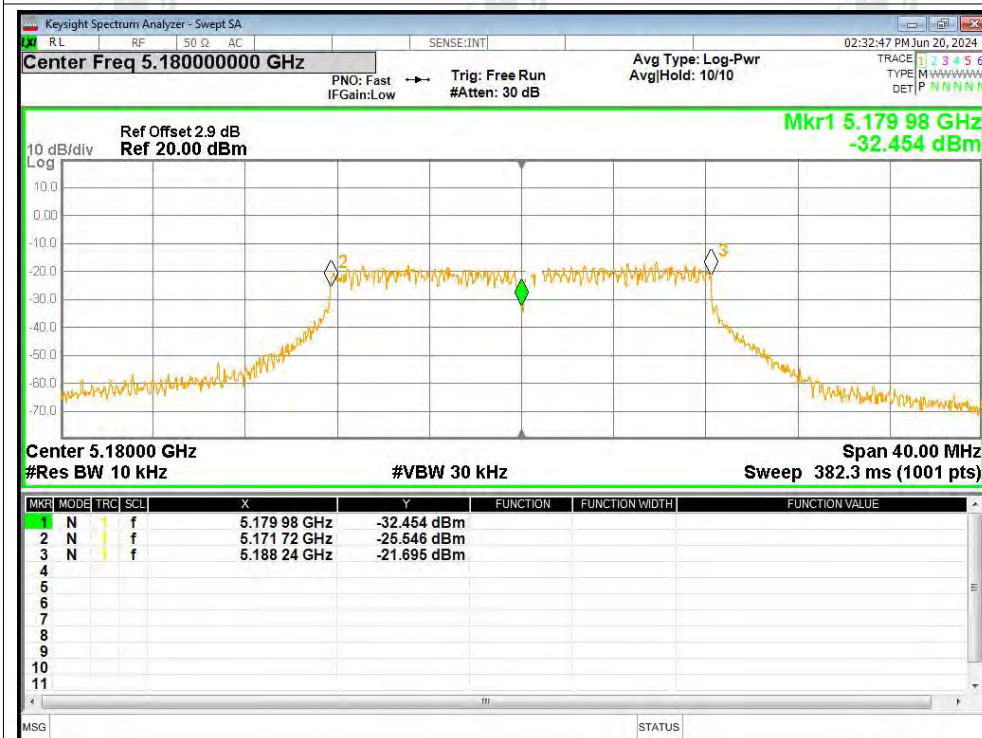


ac80	5210	NV	-20	0	0	Within 5150-5250MHz	Pass
		NV	-10	0	0		
		NV	0	0	0		
		NV	20	0	0		
		NV	40	0	0		
		NV	60	0	0		
		NV	70	0	0		

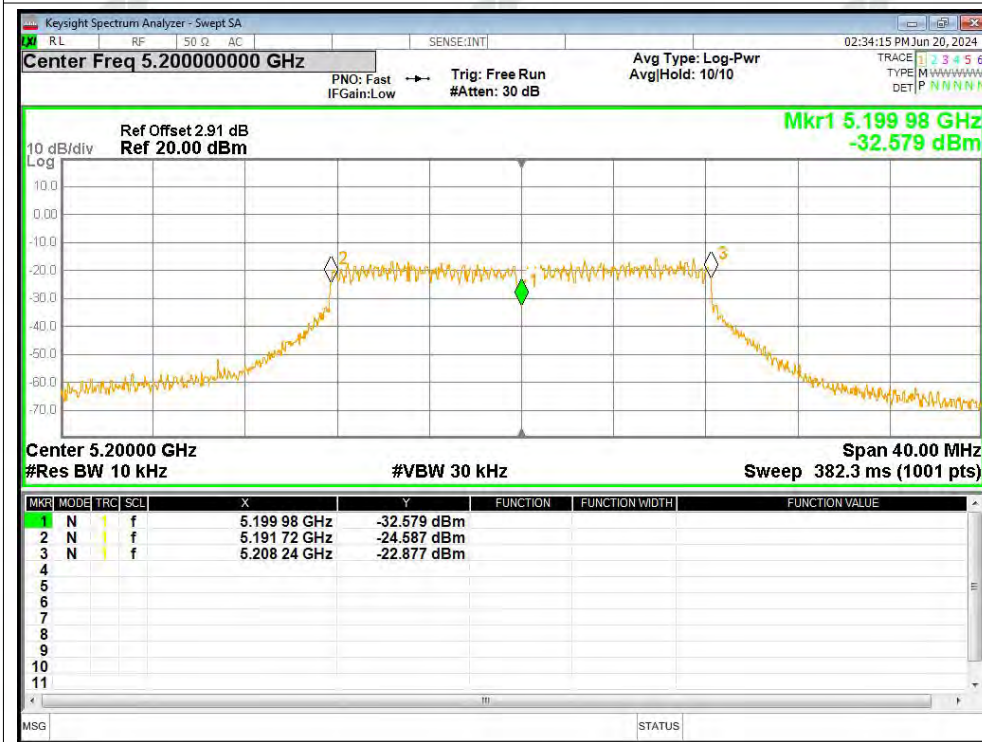
Note: Test temperature: -20° to $+70^{\circ}$. At room temperature, the test results are the worst, only reflecting the test results graphs at room temperature.

Test Graphs

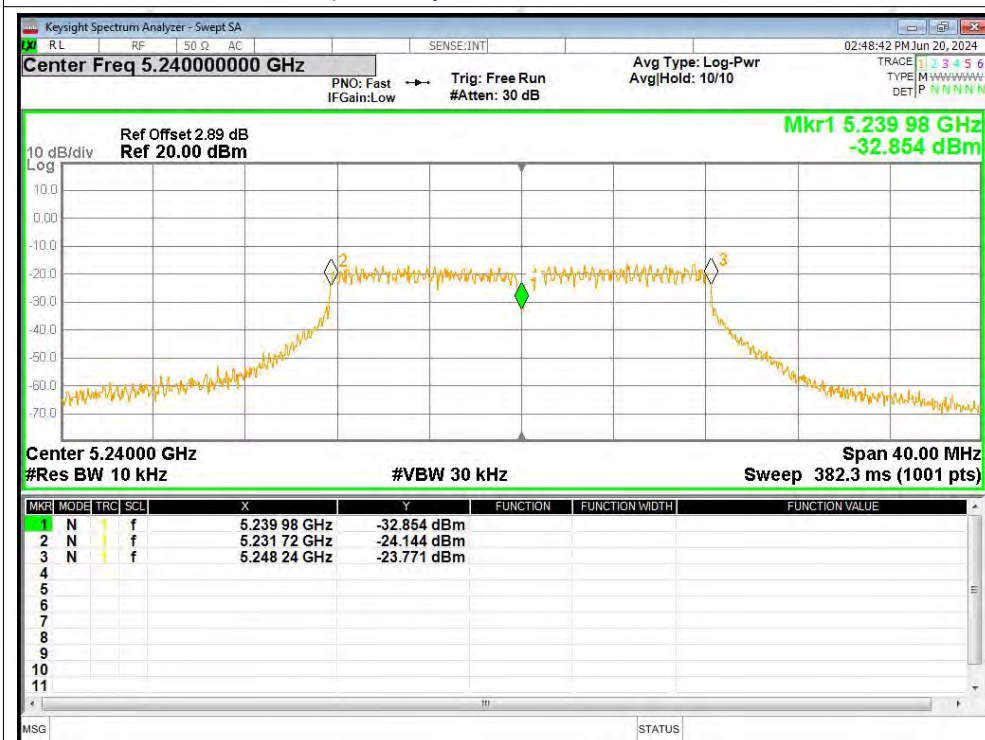
Freq. Stability NVNT a 5180MHz Ant1



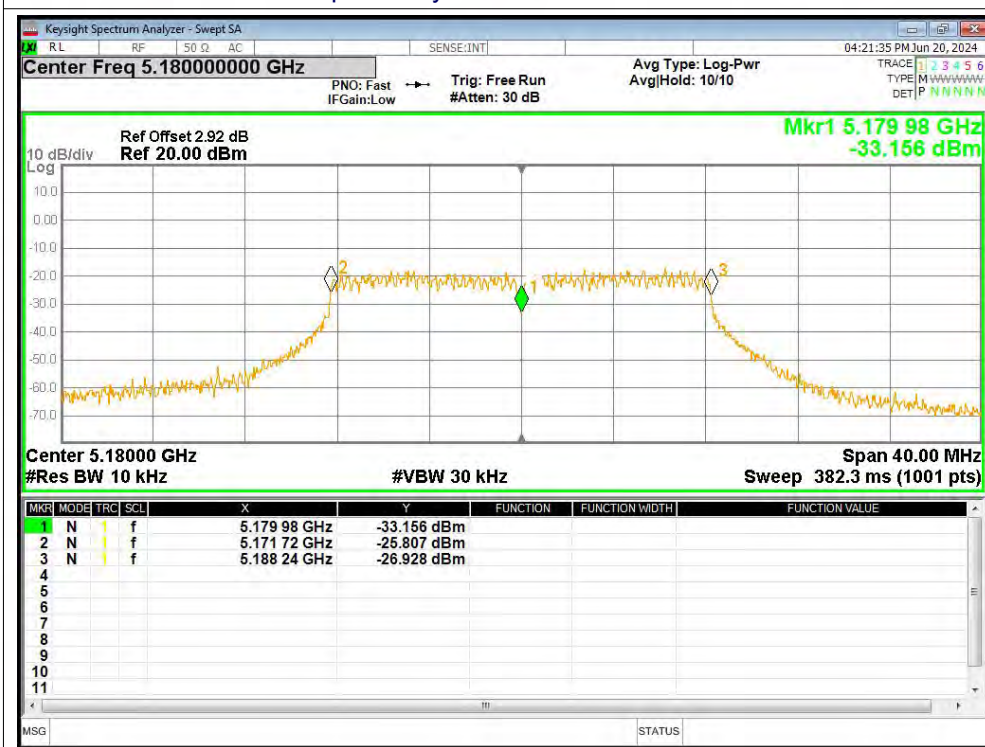
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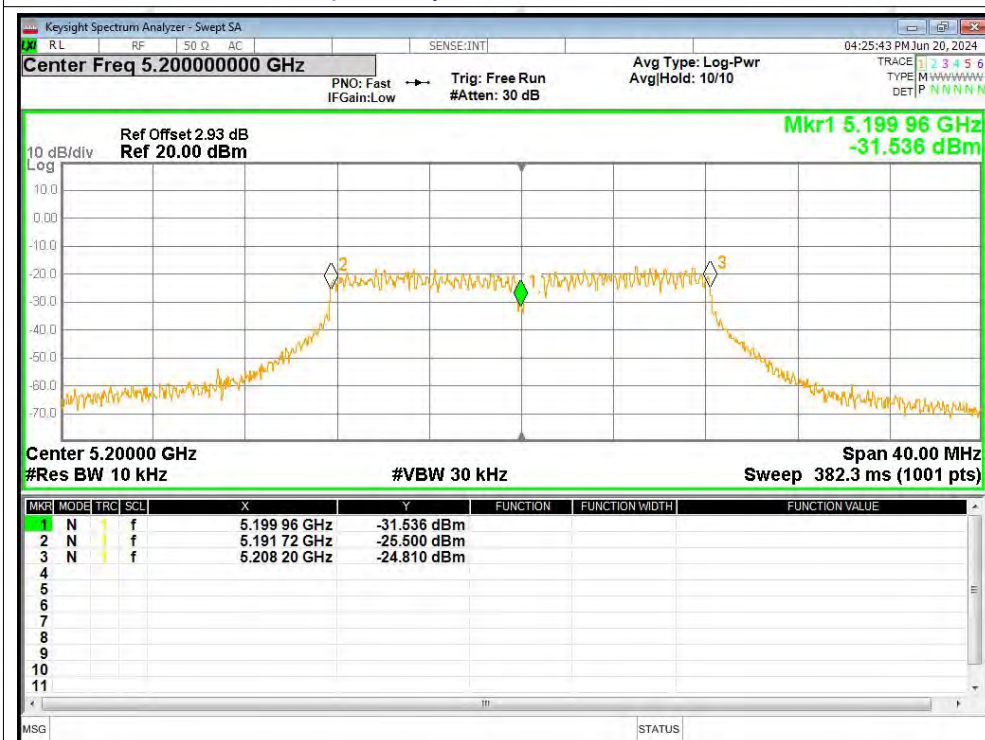
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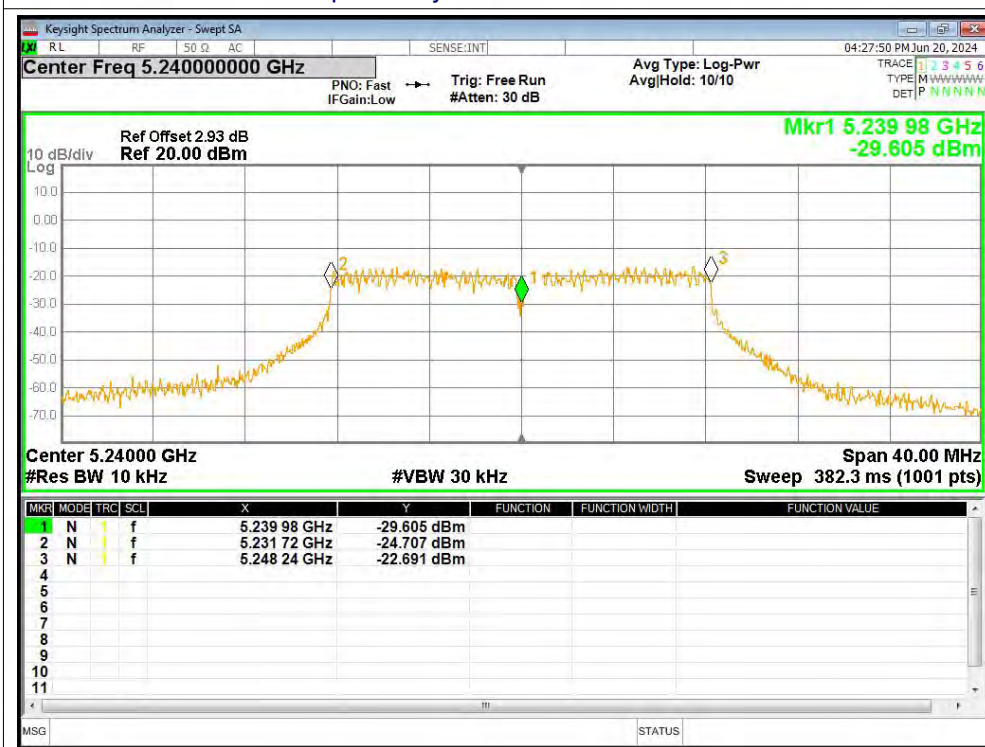
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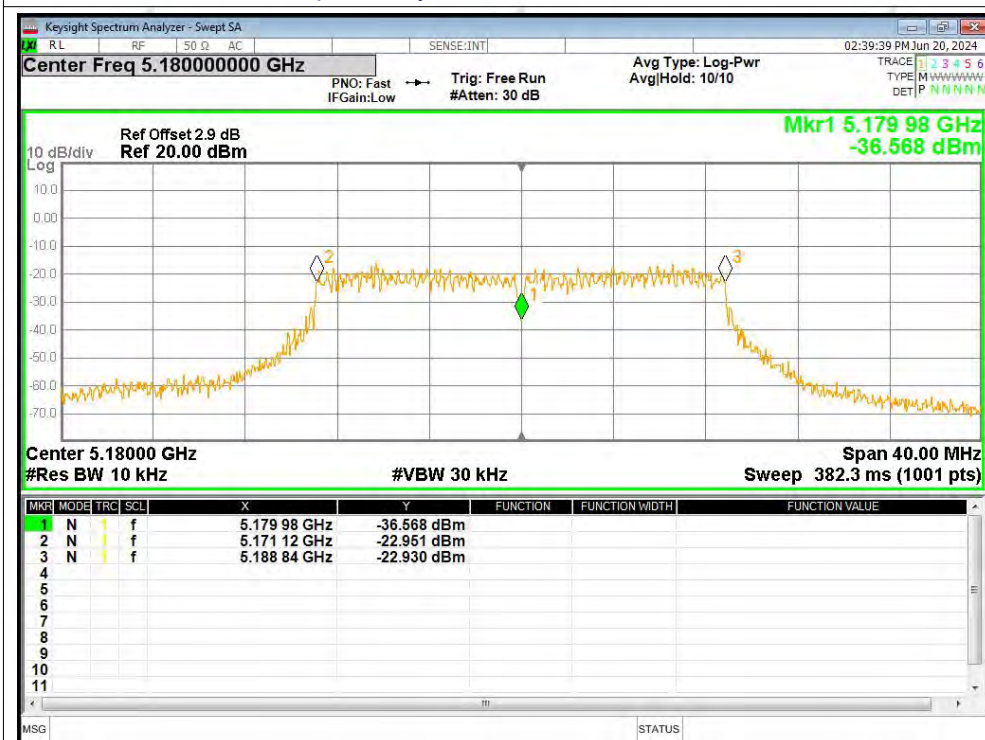
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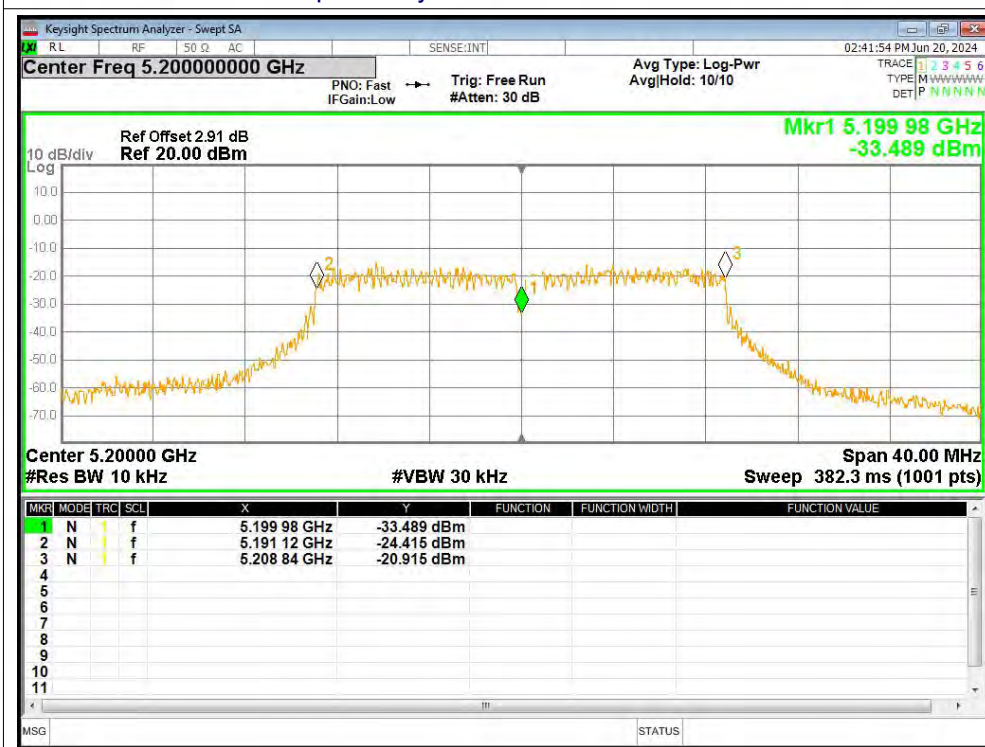
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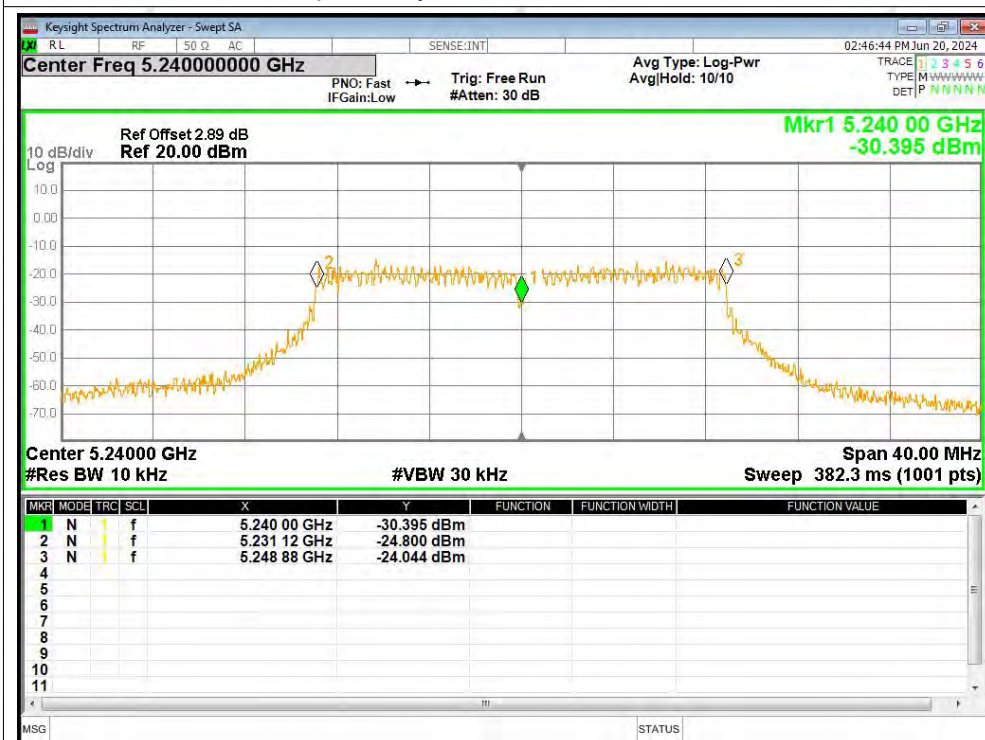
Freq. Stability NVNT n20 5180MHz Ant1



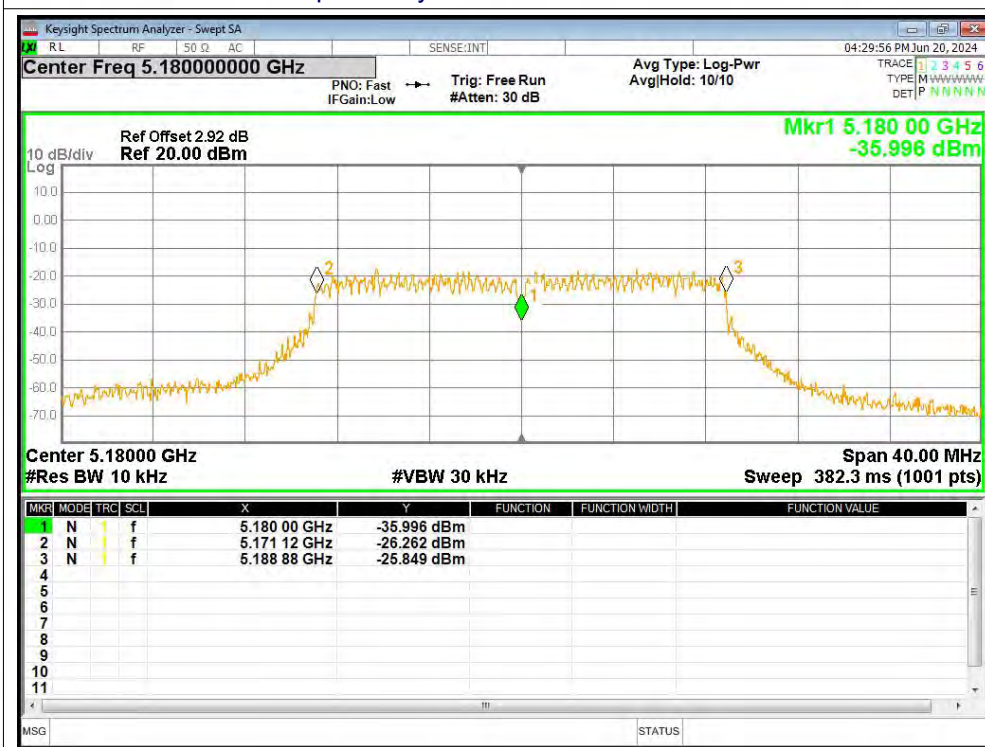
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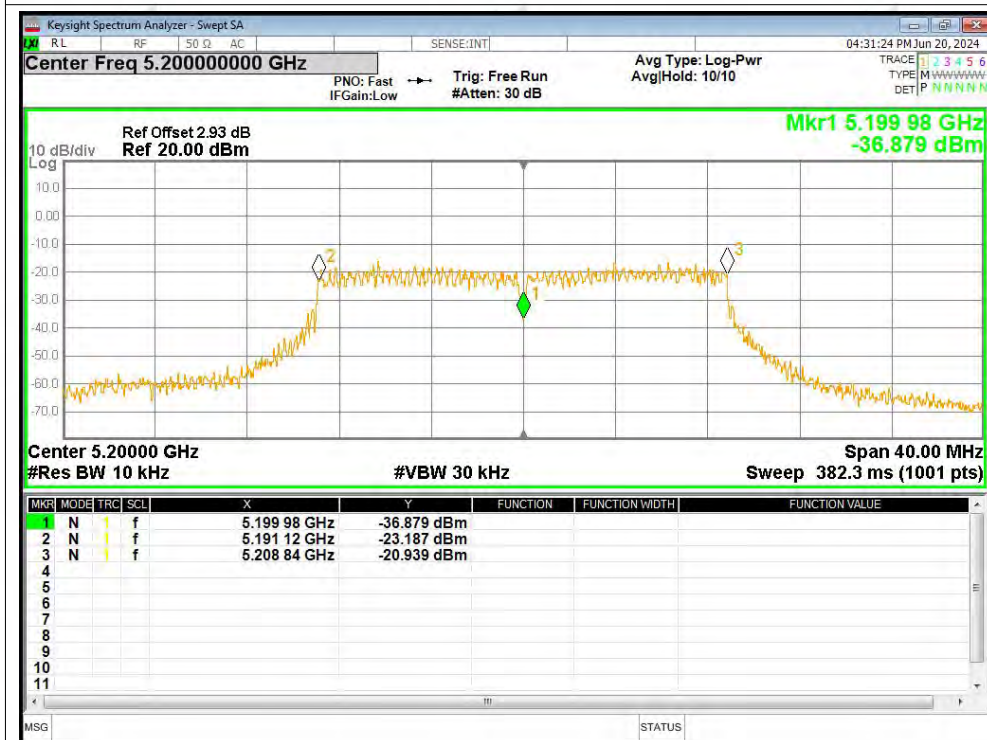
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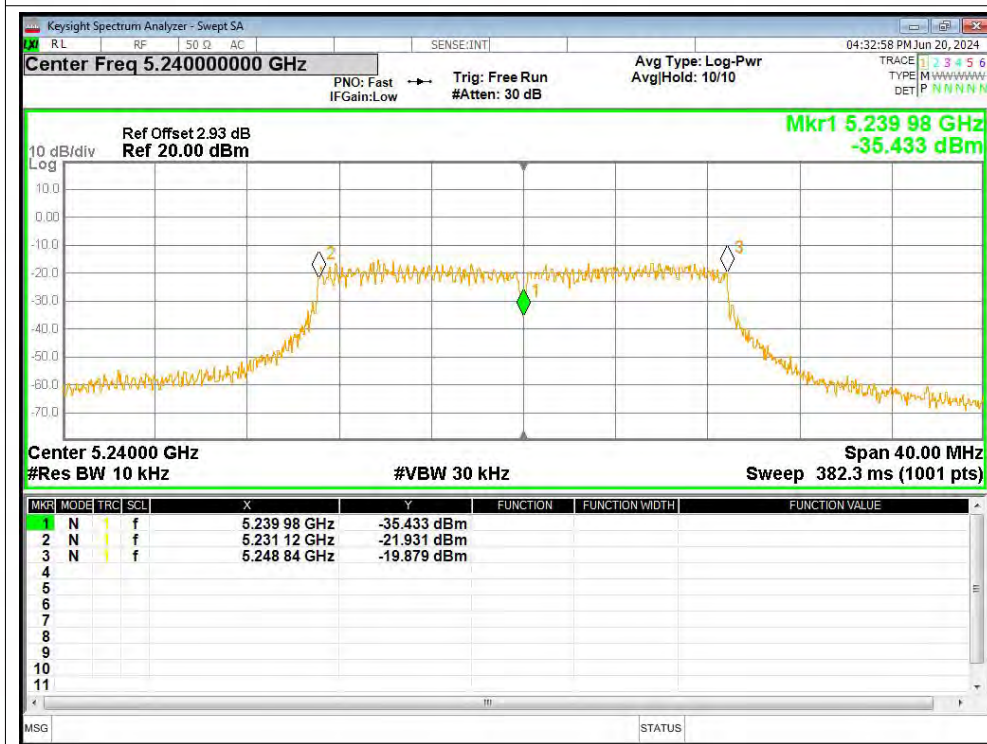
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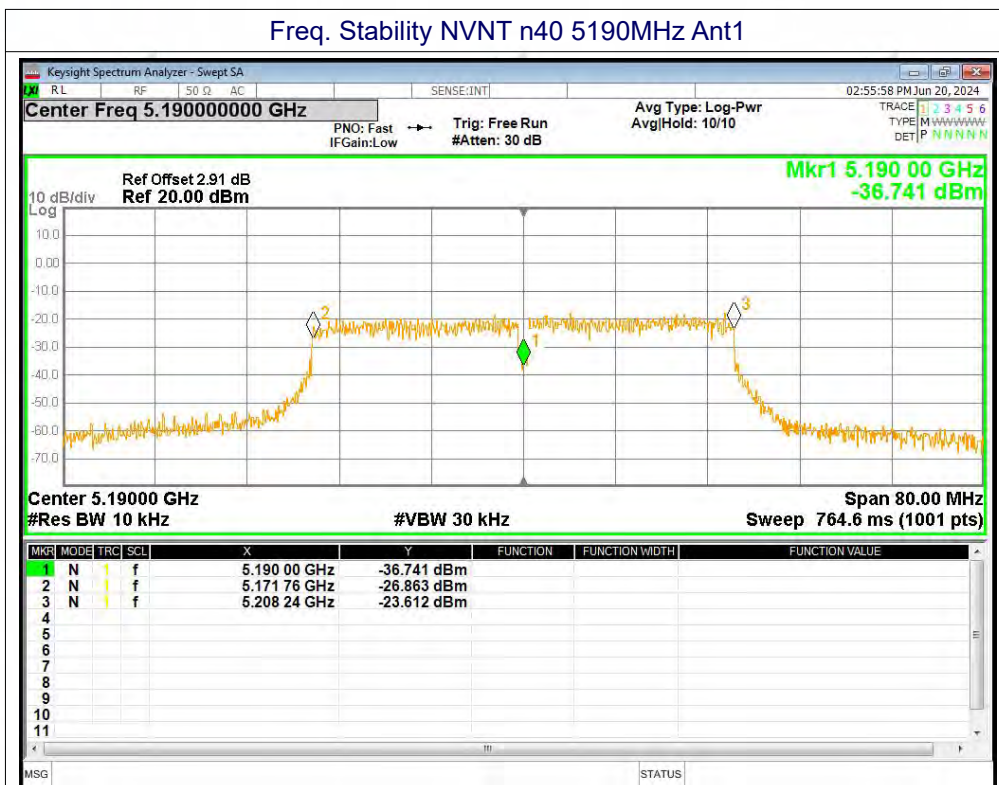
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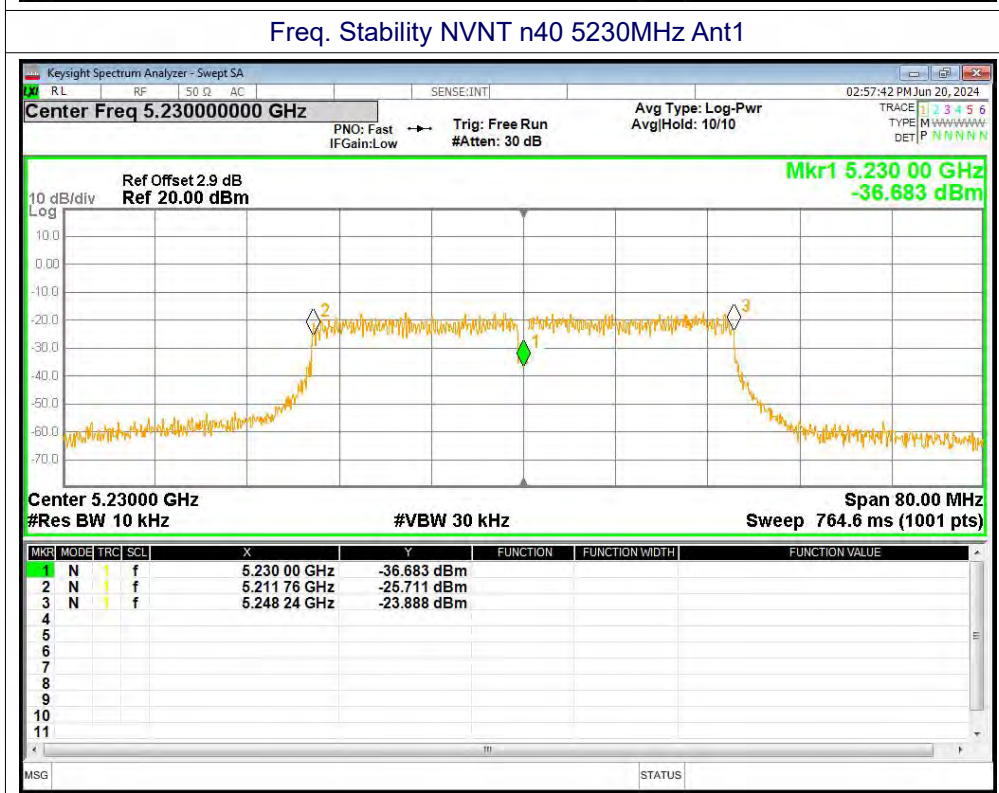
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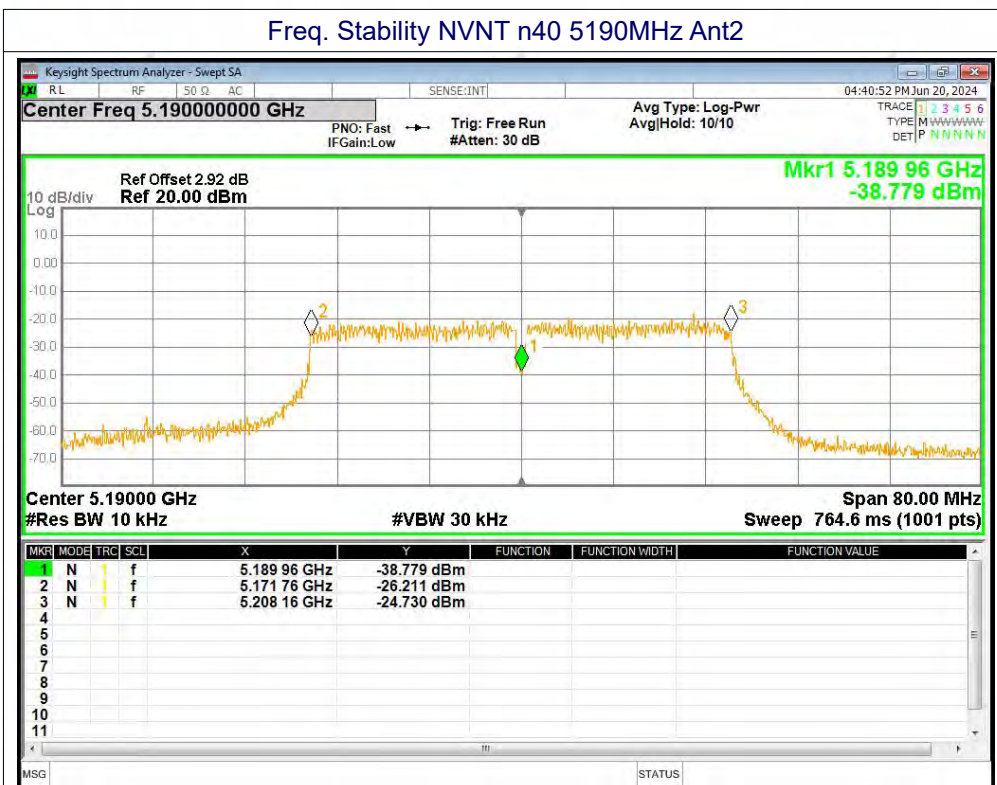
Freq. Stability NVNT n40 5190MHz Ant1



Freq. Stability NVNT n40 5230MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant2



Freq. Stability NVNT n40 5230MHz Ant2

