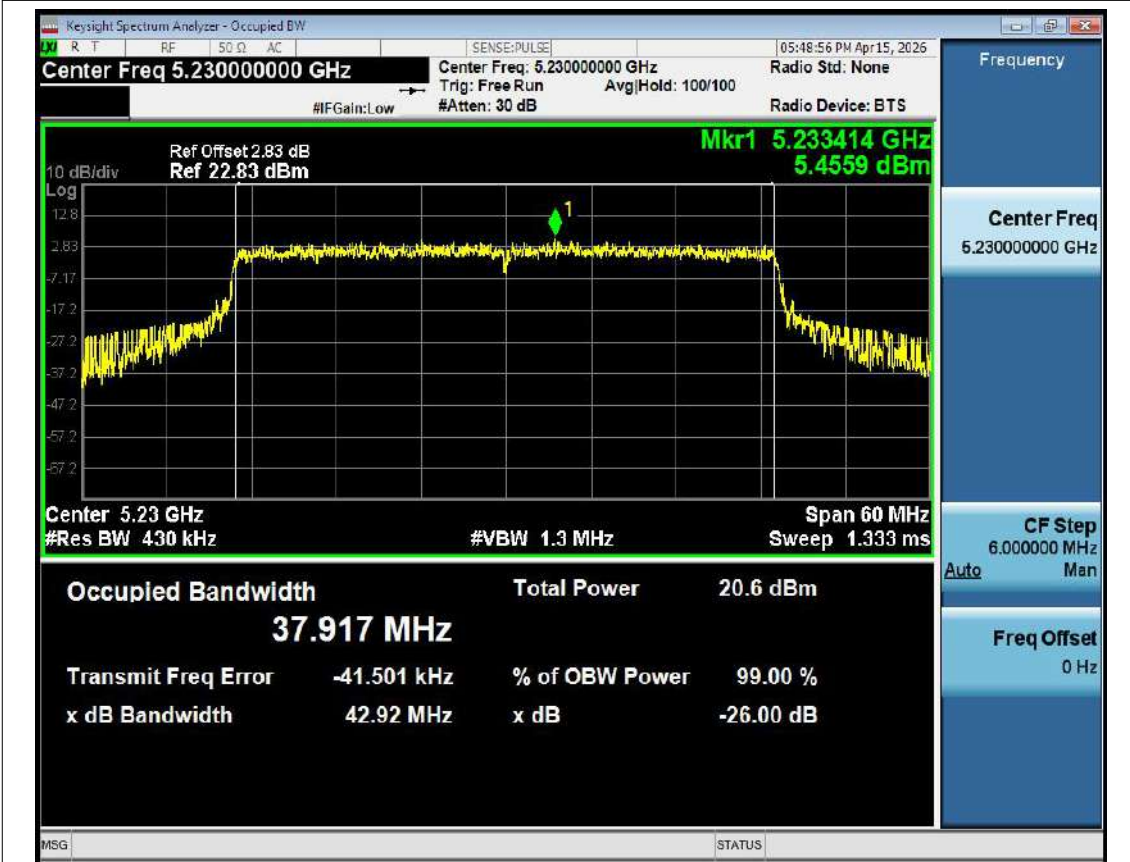




OBW NVNT ax40 5190MHz Ant1



OBW NVNT ax40 5230MHz Ant1

5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total Conducted PSD (dBm/MHz)	Limit Conducted (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	2.93	1.6	4.53	11	Pass
NVNT	a	5200	Ant1	3.23	1.08	4.31	11	Pass
NVNT	a	5240	Ant1	2.92	0.99	3.91	11	Pass
NVNT	n20	5180	Ant1	2.05	0.15	2.2	11	Pass
NVNT	n20	5200	Ant1	2	0.22	2.22	11	Pass
NVNT	n20	5240	Ant1	2.07	0.15	2.22	11	Pass
NVNT	n40	5190	Ant1	-3.15	2.85	-0.3	11	Pass
NVNT	n40	5230	Ant1	-3.2	2.46	-0.74	11	Pass
NVNT	ac20	5180	Ant1	3.26	0.21	3.47	11	Pass
NVNT	ac20	5200	Ant1	3.02	0.16	3.18	11	Pass
NVNT	ac20	5240	Ant1	2.8	0.76	3.56	11	Pass
NVNT	ac40	5190	Ant1	-3.63	3.14	-0.49	11	Pass
NVNT	ac40	5230	Ant1	-2.42	2.47	0.05	11	Pass
NVNT	ax20	5180	Ant1	1.79	0.32	2.11	11	Pass
NVNT	ax20	5200	Ant1	1.68	0.28	1.96	11	Pass
NVNT	ax20	5240	Ant1	1.69	0.32	2.01	11	Pass
NVNT	ax40	5190	Ant1	-4.14	3.01	-1.13	11	Pass
NVNT	ax40	5230	Ant1	-2.73	2.85	0.12	11	Pass



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 ax20 5180MHz Ant1



PSD NVNT ax20 5200MHz Ant1



PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1

6. Bandedge

Condition	Mode	Frequency (MHz)	Antenna	Spurious level(dBm)	Gain(dBi)	Spurious level_final(dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-31.39	2.76	-28.63	-27	Pass
NVNT	a	5240	Ant1	-41.33	2.76	-38.57	-27	Pass
NVNT	n20	5180	Ant1	-35.03	2.76	-32.27	-27	Pass
NVNT	n20	5240	Ant1	-44.56	2.76	-41.8	-27	Pass
NVNT	n40	5190	Ant1	-31.66	2.76	-28.9	-27	Pass
NVNT	n40	5230	Ant1	-46.03	2.76	-43.27	-27	Pass
NVNT	ac20	5180	Ant1	-30.87	2.76	-28.11	-27	Pass
NVNT	ac20	5240	Ant1	-45.95	2.76	-43.19	-27	Pass
NVNT	ac40	5190	Ant1	-33.73	2.76	-30.97	-27	Pass
NVNT	ac40	5230	Ant1	-45.04	2.76	-42.28	-27	Pass
NVNT	ax20	5180	Ant1	-32.11	2.76	-29.35	-27	Pass
NVNT	ax20	5240	Ant1	-45.89	2.76	-43.13	-27	Pass
NVNT	ax40	5190	Ant1	-33.43	2.76	-30.67	-27	Pass
NVNT	ax40	5230	Ant1	-40.7	2.76	-37.94	-27	Pass



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 ax20 5180MHz Low Ant1



Band Edge NVNT ax20 5240MHz High Ant1



Band Edge NVNT ax40 5190MHz Low Ant1



Band Edge NVNT ax40 5230MHz High Ant1

7. Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Spurious level(dBm)	Gain(dBi)	Spurious level_final(dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-35.16	2.76	-32.4	-27	Pass
NVNT	a	5200	Ant1	-35.61	2.76	-32.85	-27	Pass
NVNT	a	5240	Ant1	-32.13	2.76	-29.37	-27	Pass
NVNT	n20	5180	Ant1	-34.65	2.76	-31.89	-27	Pass
NVNT	n20	5200	Ant1	-34.61	2.76	-31.85	-27	Pass
NVNT	n20	5240	Ant1	-33.53	2.76	-30.77	-27	Pass
NVNT	n40	5190	Ant1	-35.83	2.76	-33.07	-27	Pass
NVNT	n40	5230	Ant1	-35.75	2.76	-32.99	-27	Pass
NVNT	ac20	5180	Ant1	-34.96	2.76	-32.2	-27	Pass
NVNT	ac20	5200	Ant1	-34.47	2.76	-31.71	-27	Pass
NVNT	ac20	5240	Ant1	-32.44	2.76	-29.68	-27	Pass
NVNT	ac40	5190	Ant1	-35.74	2.76	-32.98	-27	Pass
NVNT	ac40	5230	Ant1	-35.39	2.76	-32.63	-27	Pass
NVNT	ax20	5180	Ant1	-36.26	2.76	-33.5	-27	Pass
NVNT	ax20	5200	Ant1	-34.83	2.76	-32.07	-27	Pass
NVNT	ax20	5240	Ant1	-32.55	2.76	-29.79	-27	Pass
NVNT	ax40	5190	Ant1	-35.76	2.76	-33	-27	Pass
NVNT	ax40	5230	Ant1	-34.46	2.76	-31.7	-27	Pass



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 ax20 5180MHz Ant1 Emission



Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



Tx. Spurious NVNT ax20 5240MHz Ant1 Emission



Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



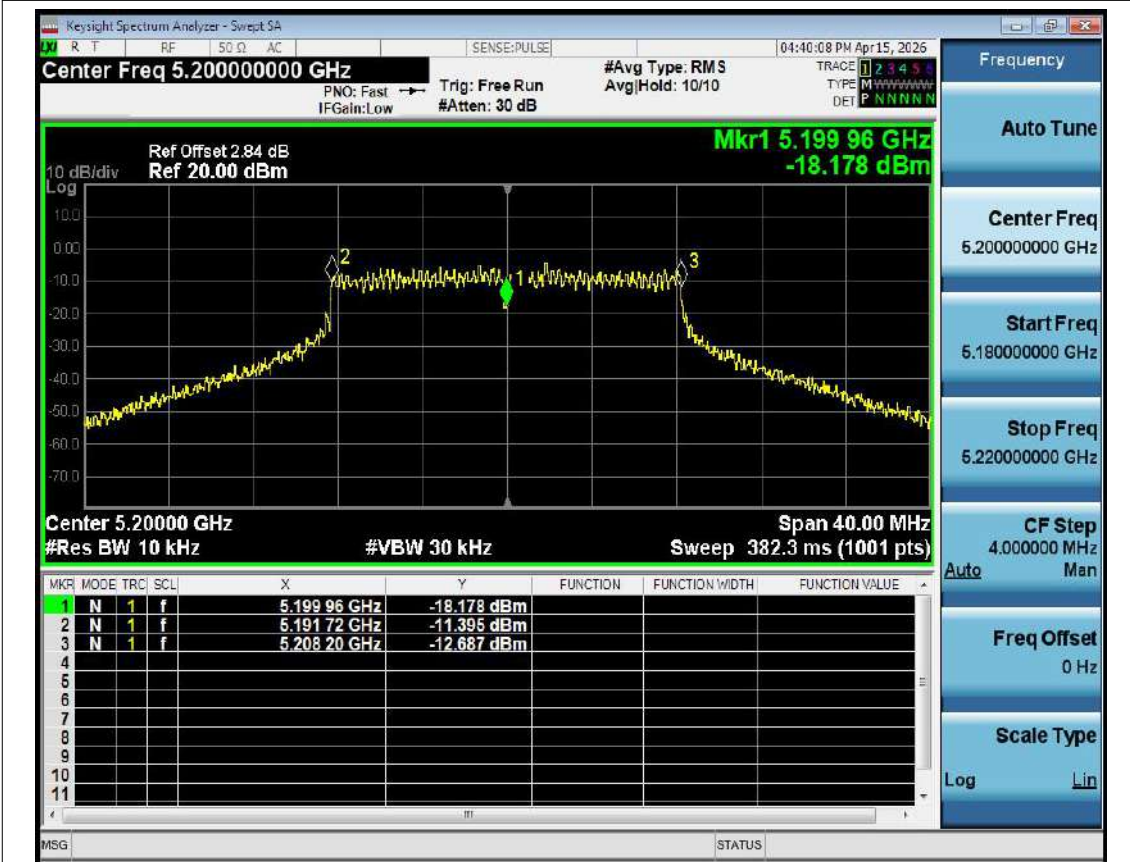
Tx. Spurious NVNT ax40 5230MHz Ant1 Emission

8. Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
NVNT	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
NVNT	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
NVNT	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant1	5190	0	0	25	Pass
NVNT	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
NVNT	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
NVNT	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant1	5190	0	0	25	Pass
NVNT	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
NVNT	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
NVNT	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
NVNT	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass



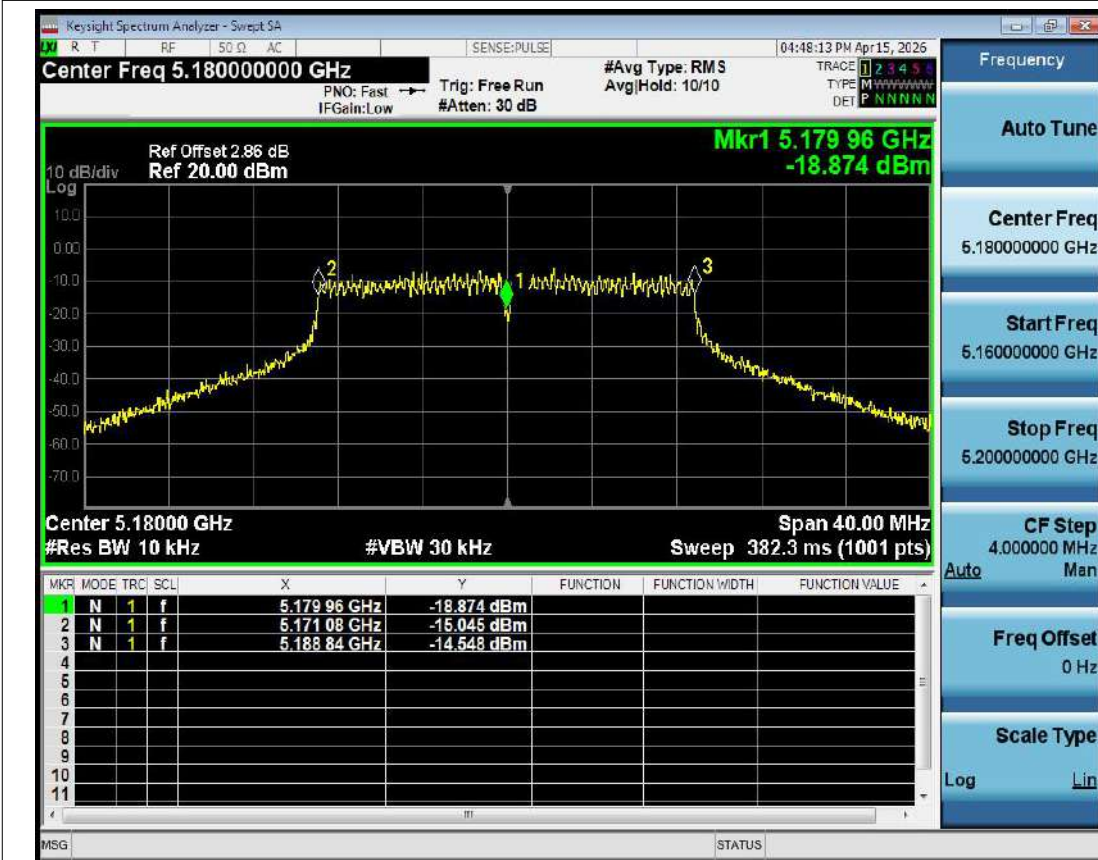
Freq. Stability NVNT a 5180MHz Ant1



Freq. Stability NVNT a 5200MHz Ant1



Freq. Stability NVNT a 5240MHz Ant1



Freq. Stability NVNT n20 5180MHz Ant1



Freq. Stability NVNT n20 5200MHz Ant1



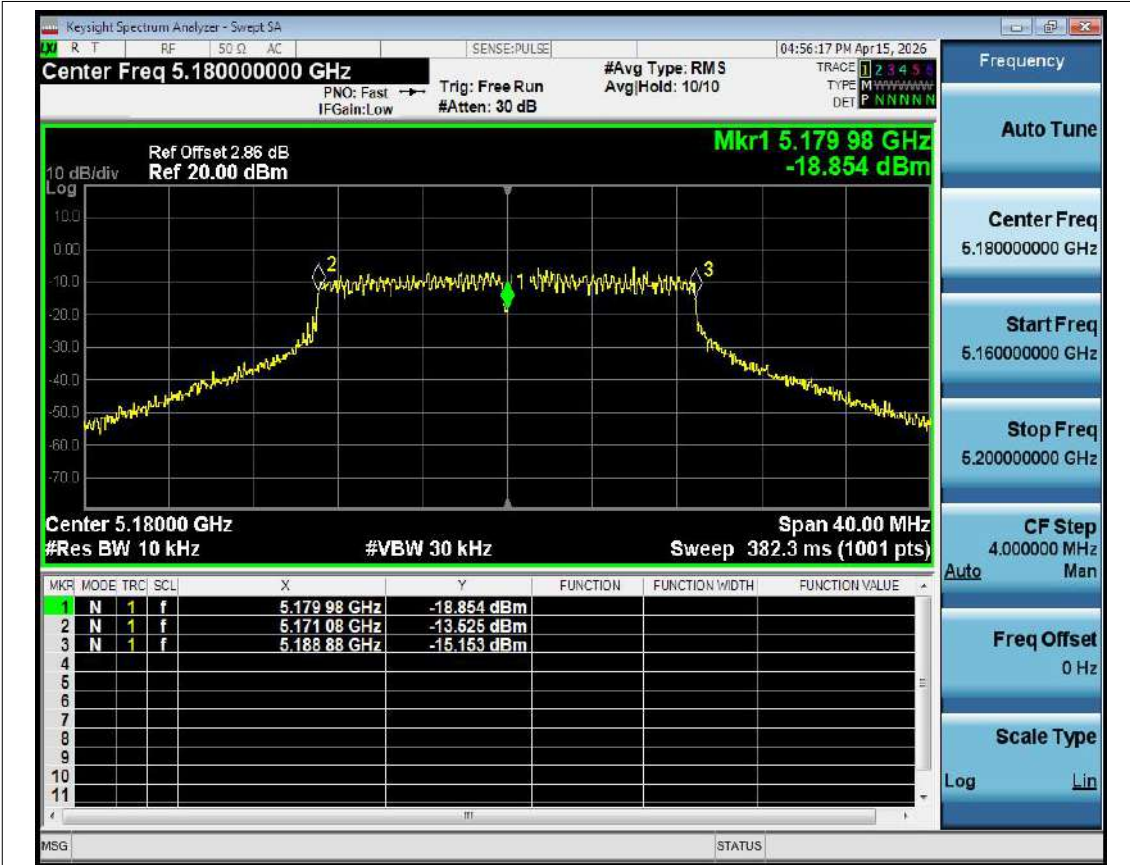
Freq. Stability NVNT n20 5240MHz Ant1



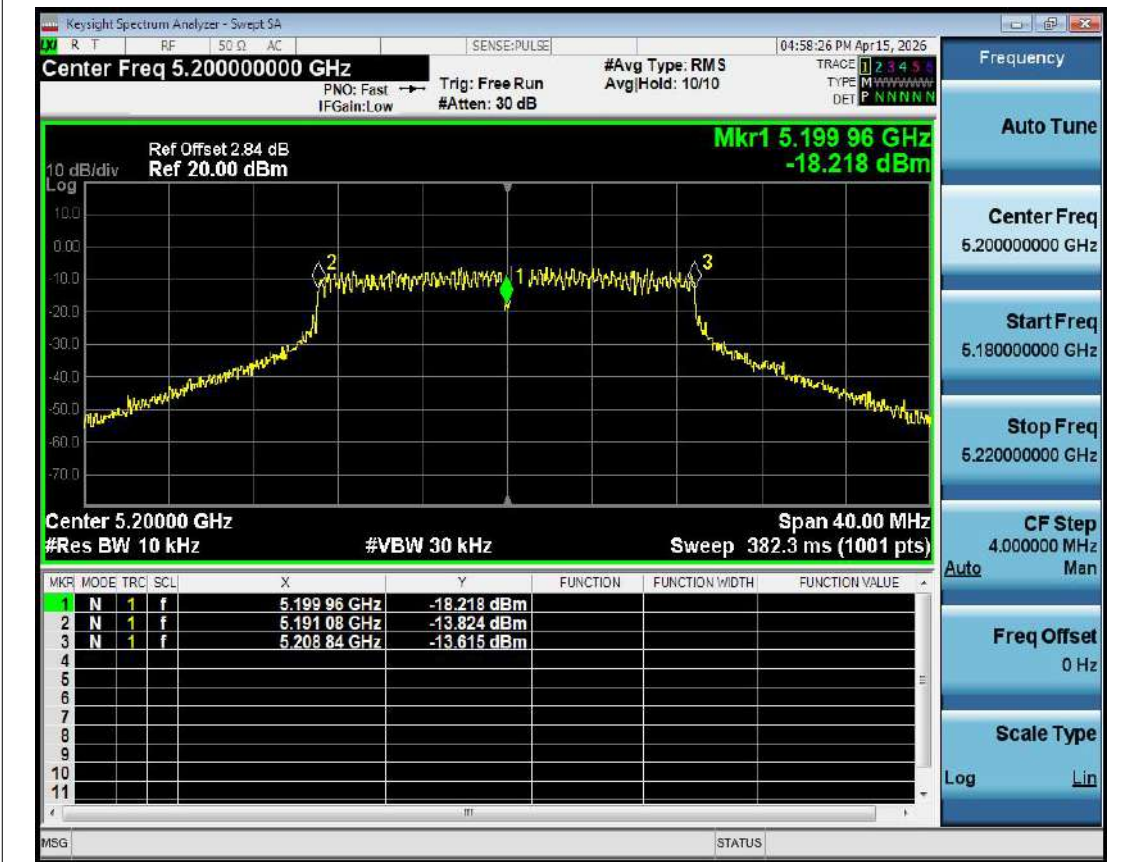
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Freq. Stability NVNT n40 5230MHz Ant1



Freq. Stability NVNT ac20 5180MHz Ant1



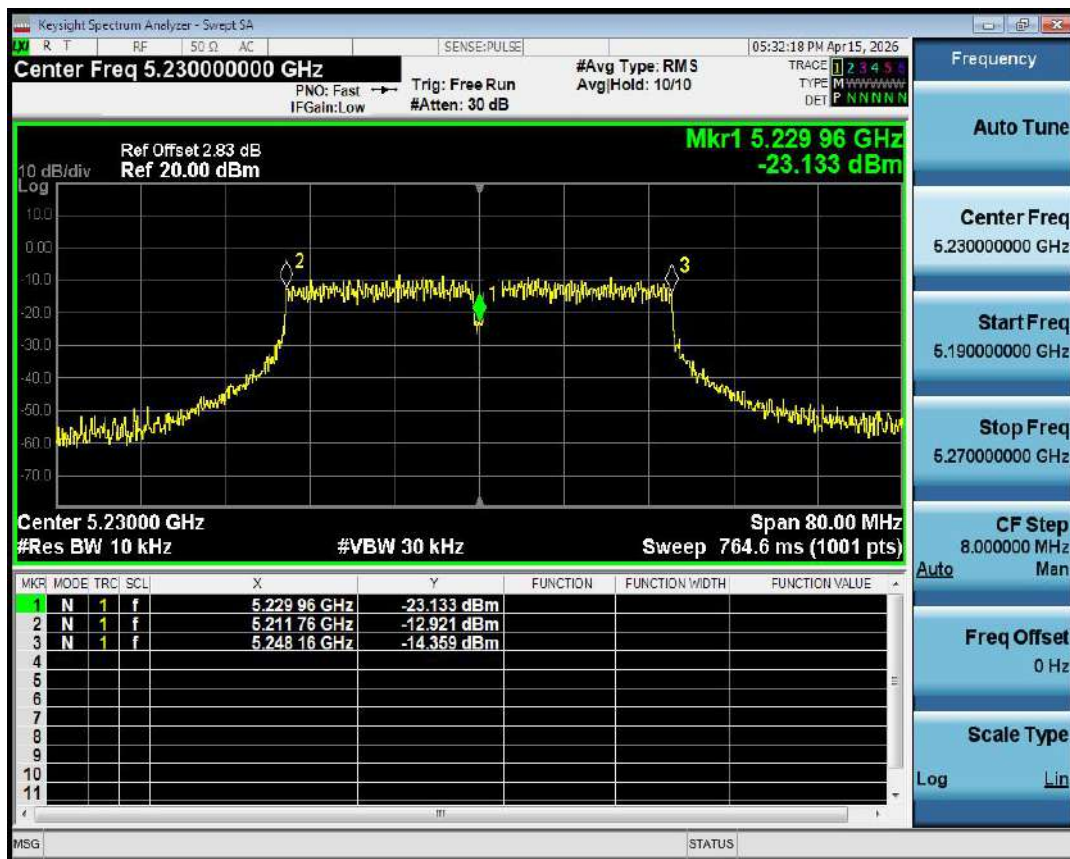
Freq. Stability NVNT ac20 5200MHz Ant1



Freq. Stability NVNT ac20 5240MHz Ant1



Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1



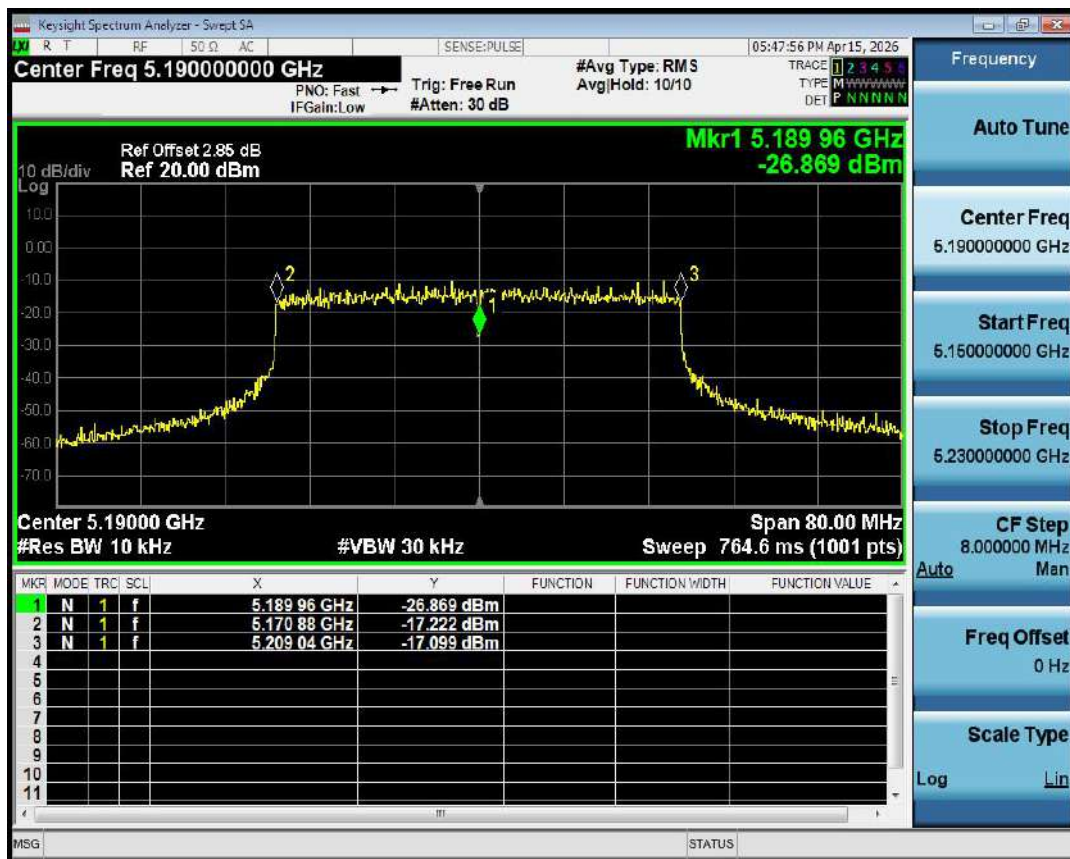
Freq. Stability NVNT ax20 5180MHz Ant1



Freq. Stability NVNT ax20 5200MHz Ant1



Freq. Stability NVNT ax20 5240MHz Ant1



Freq. Stability NVNT ax40 5190MHz Ant1



Freq. Stability NVNT ax40 5230MHz Ant1