

Test Data

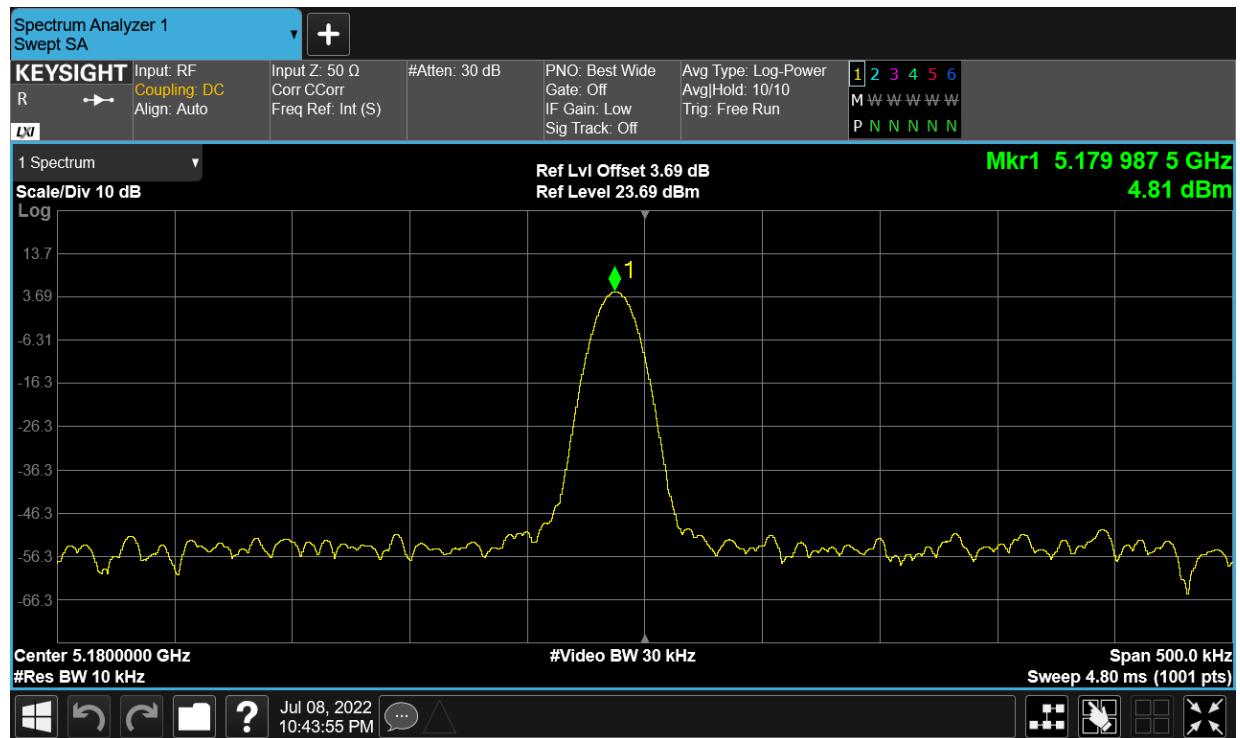
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9875	-2.41	Within authorized band	Pass
HVNT	a	5180	Ant2	5179.9725	-5.31		Pass
LVNT	a	5180	Ant1	5179.9885	-2.22		Pass
LVNT	a	5180	Ant2	5179.97	-5.79		Pass
NVHT	a	5180	Ant1	5179.9865	-2.61		Pass
NVHT	a	5180	Ant2	5179.9685	-6.08		Pass
NVLT	a	5180	Ant1	5179.9865	-2.61		Pass
NVLT	a	5180	Ant2	5179.9665	-6.47		Pass
NVNT	a	5180	Ant1	5179.992	-1.54		Pass
NVNT	a	5180	Ant2	5179.9675	-6.27		Pass
HVNT	ax20	5180	Sum	5179.9995	-0.1		Pass
LVNT	ax20	5180	Sum	5179.9965	-0.68		Pass
NVHT	ax20	5180	Sum	5179.99	-1.93		Pass
NVLT	ax20	5180	Sum	5179.9845	-2.99		Pass
NVNT	ax20	5180	Sum	5179.9995	-0.1		Pass
HVNT	ax40	5190	Sum	5189.9815	-3.56		Pass
LVNT	ax40	5190	Sum	5189.978	-4.24		Pass
NVHT	ax40	5190	Sum	5189.974	-5.01		Pass
NVLT	ax40	5190	Sum	5189.9695	-5.88		Pass
NVNT	ax40	5190	Sum	5189.9665	-6.45		Pass
HVNT	ax80	5210	Sum	5209.9675	-6.24		Pass
LVNT	ax80	5210	Sum	5210.01	1.92		Pass
NVHT	ax80	5210	Sum	5210.004	0.77		Pass
NVLT	ax80	5210	Sum	5209.9975	-0.48		Pass
NVNT	ax80	5210	Sum	5209.9885	-2.21		Pass
HVNT	n20	5180	Sum	5179.9825	-3.38		Pass
LVNT	n20	5180	Sum	5179.979	-4.05		Pass
NVHT	n20	5180	Sum	5179.9745	-4.92		Pass
NVLT	n20	5180	Sum	5179.9705	-5.69		Pass
NVNT	n20	5180	Sum	5179.986	-2.7		Pass
HVNT	n40	5190	Sum	5189.9685	-6.07		Pass
LVNT	n40	5190	Sum	5189.9685	-6.07		Pass
NVHT	n40	5190	Sum	5189.968	-6.17		Pass
NVLT	n40	5190	Sum	5189.9675	-6.26		Pass
NVNT	n40	5190	Sum	5189.969	-5.97		Pass

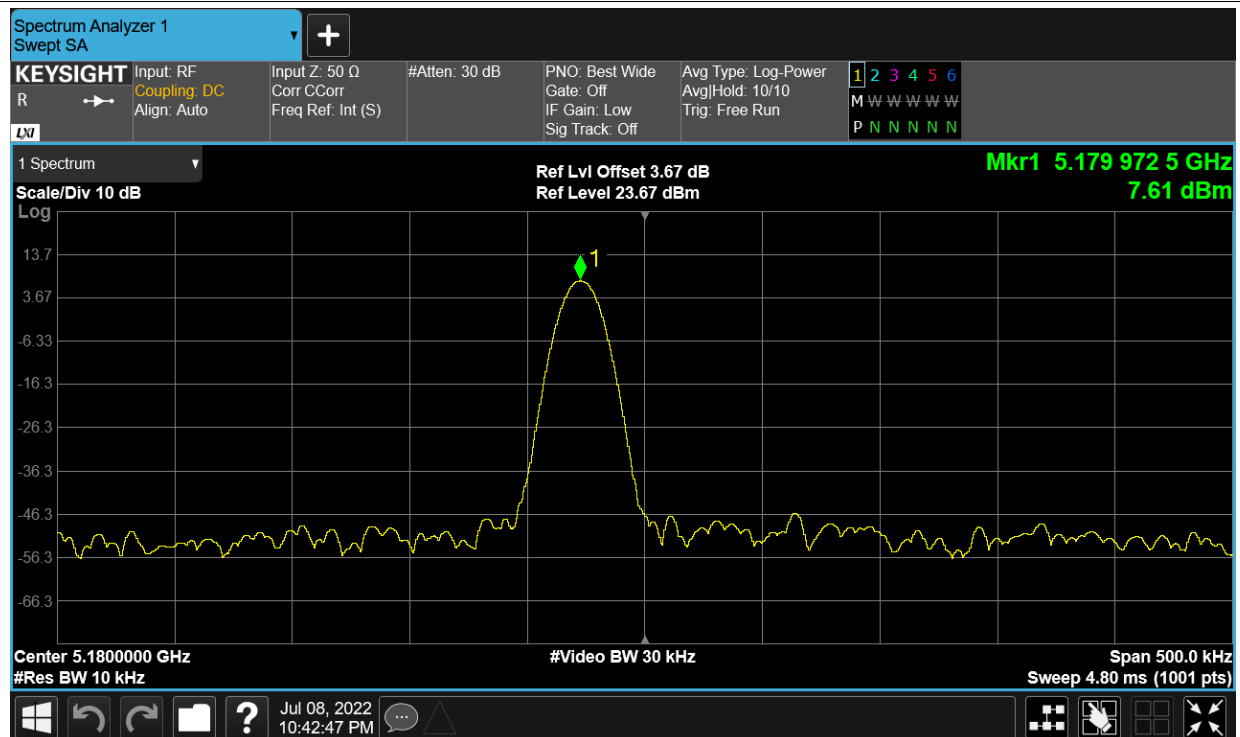
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

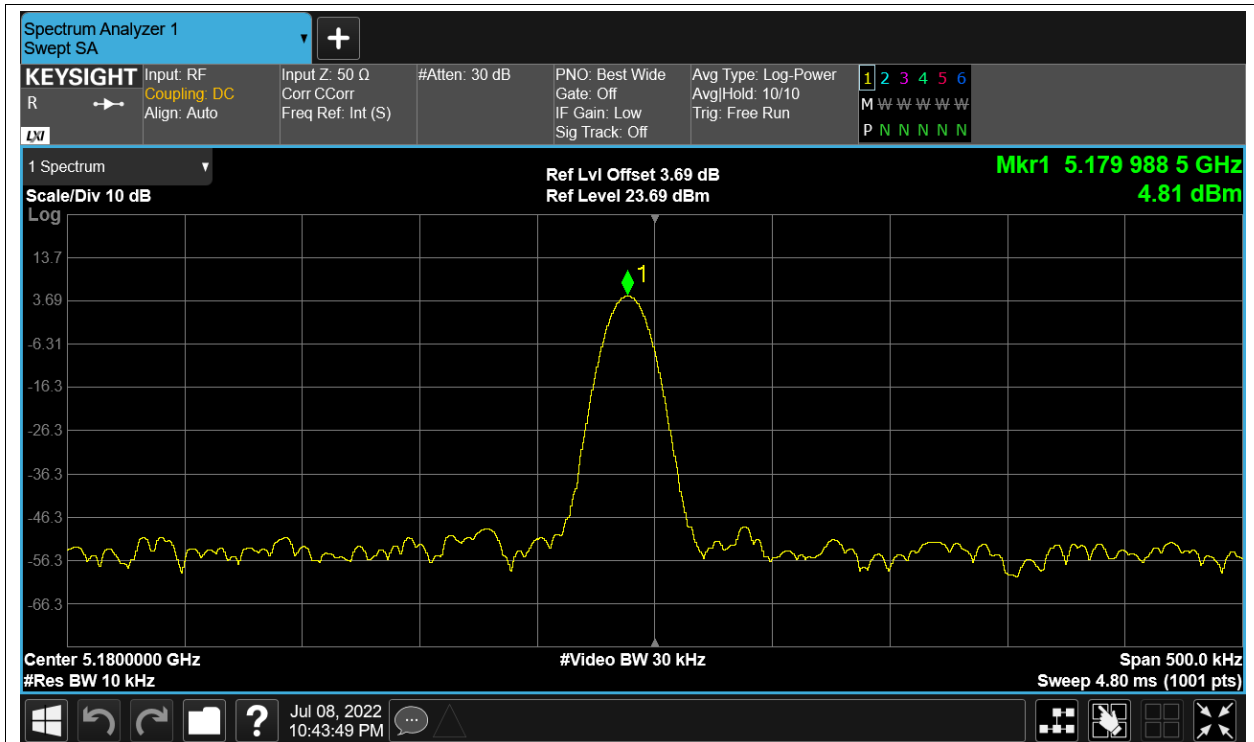
Freq. Stability HVNT a 5180MHz Ant1



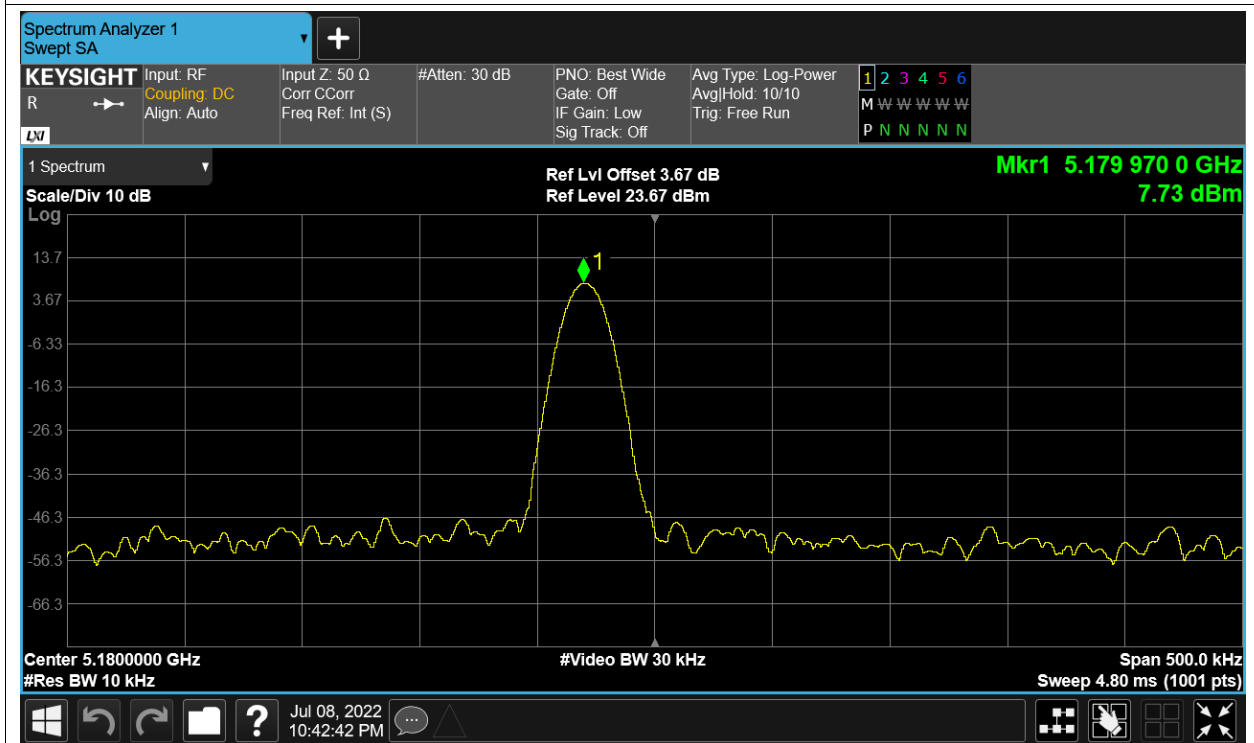
Freq. Stability HVNT a 5180MHz Ant2



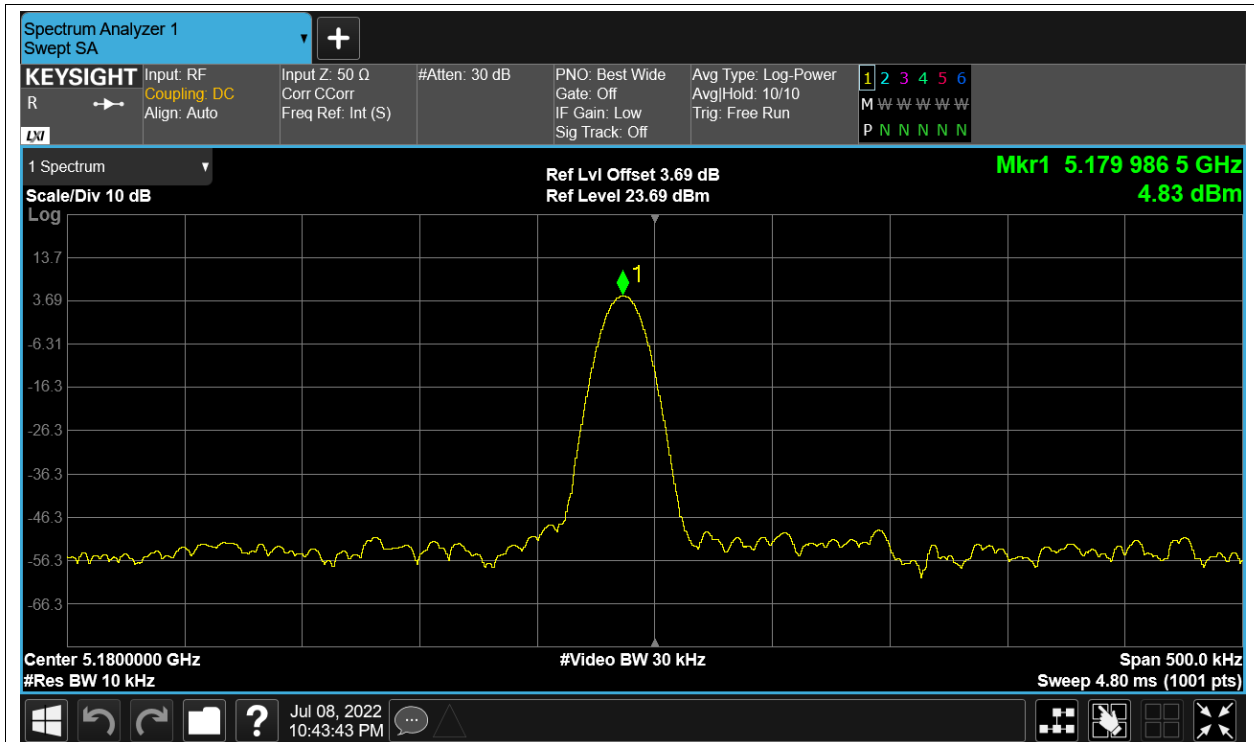
Freq. Stability LVNT a 5180MHz Ant1



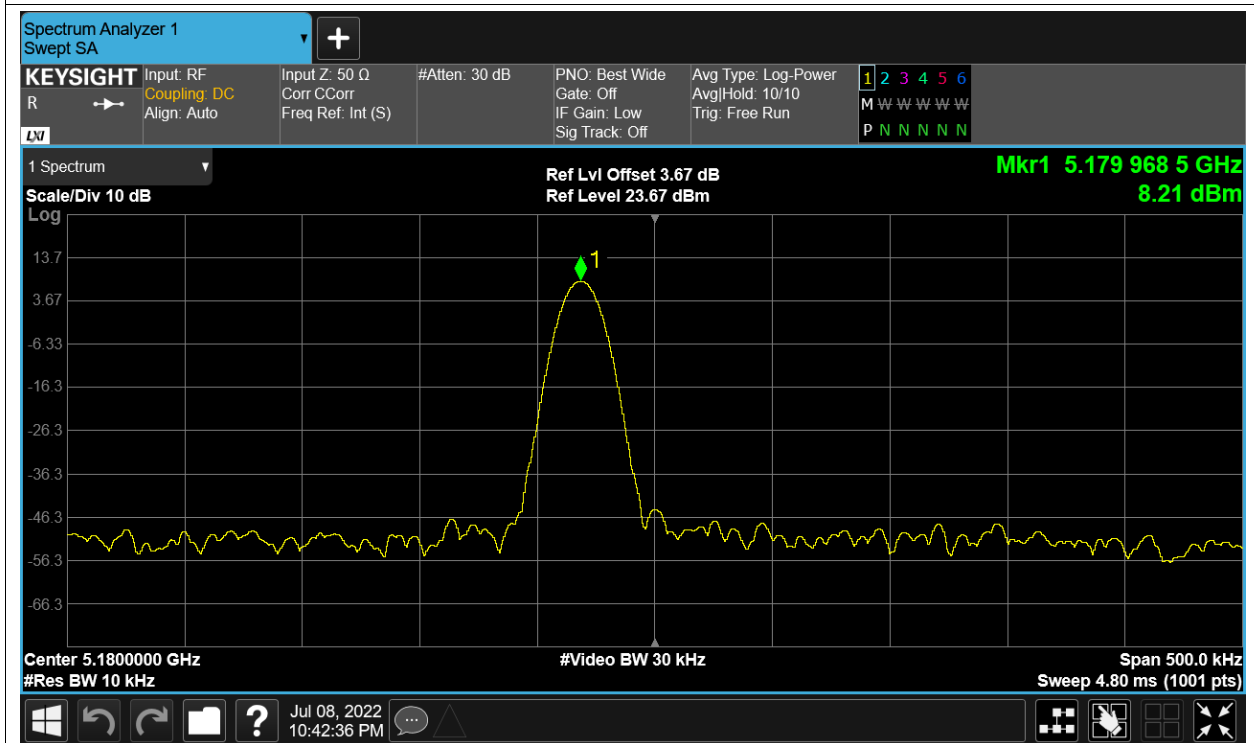
Freq. Stability LVNT a 5180MHz Ant2



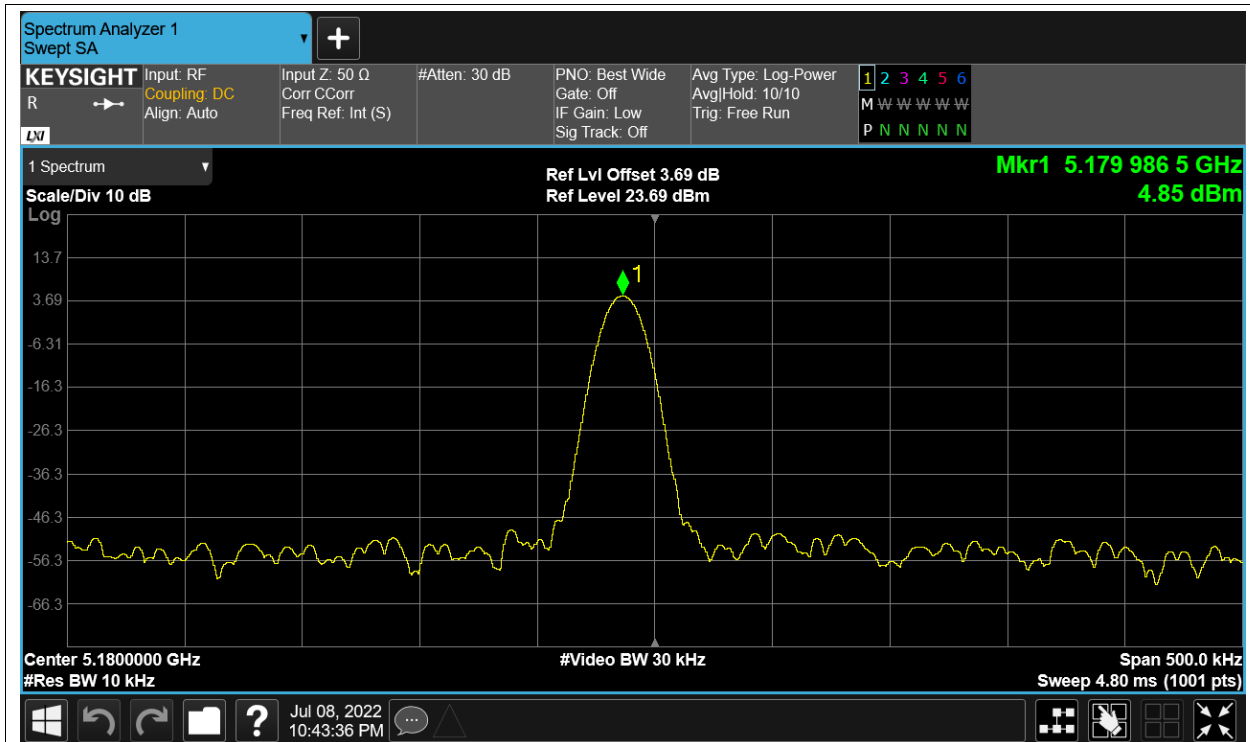
Freq. Stability NVHT a 5180MHz Ant1



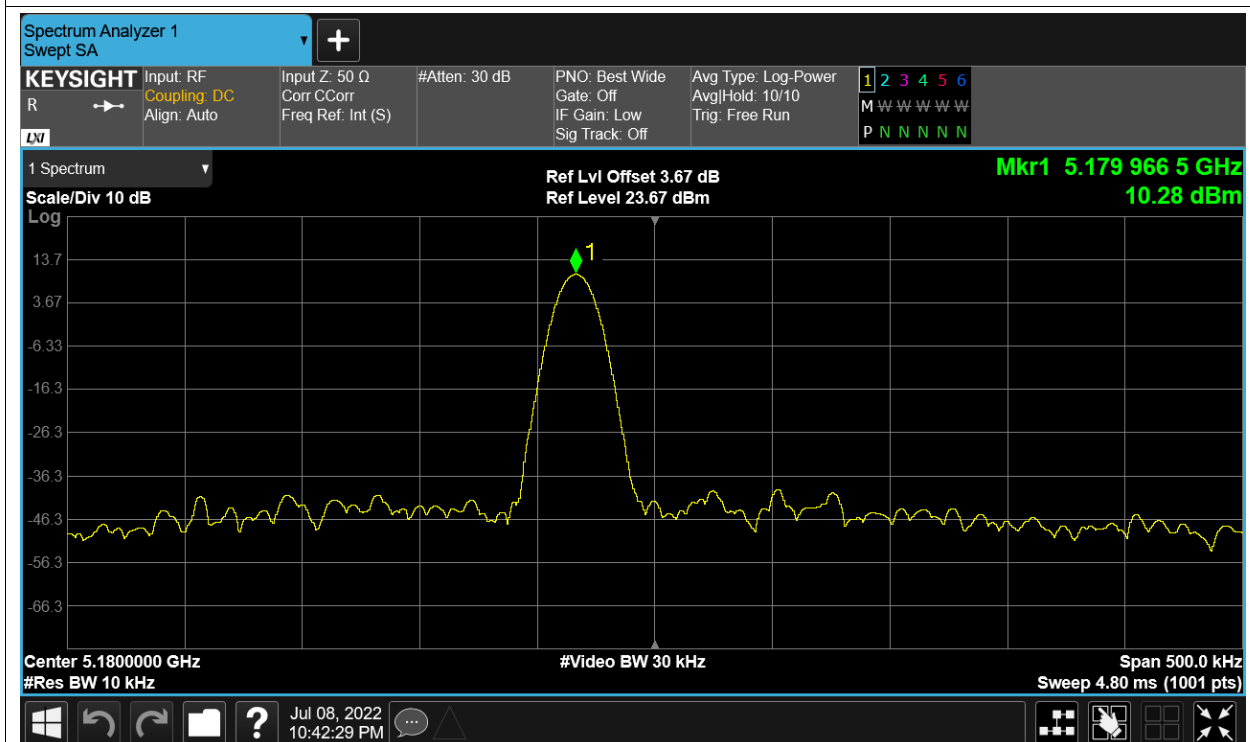
Freq. Stability NVHT a 5180MHz Ant2



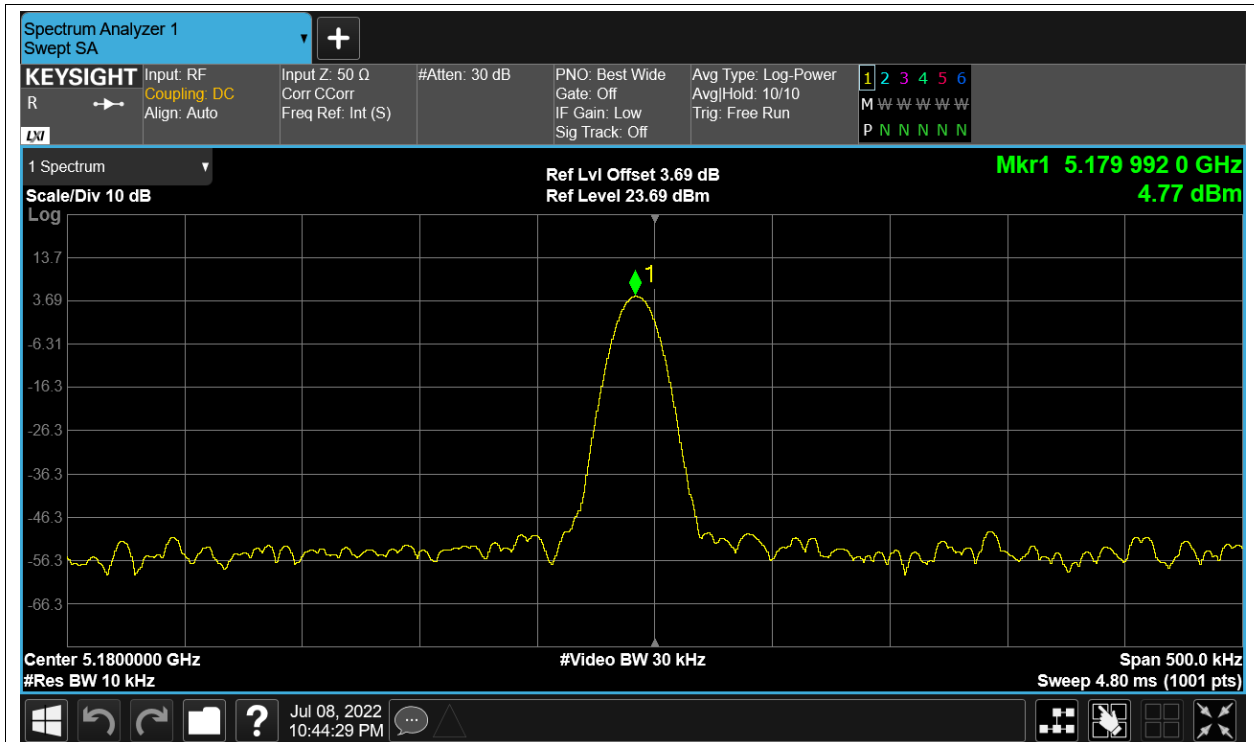
Freq. Stability NVLT a 5180MHz Ant1



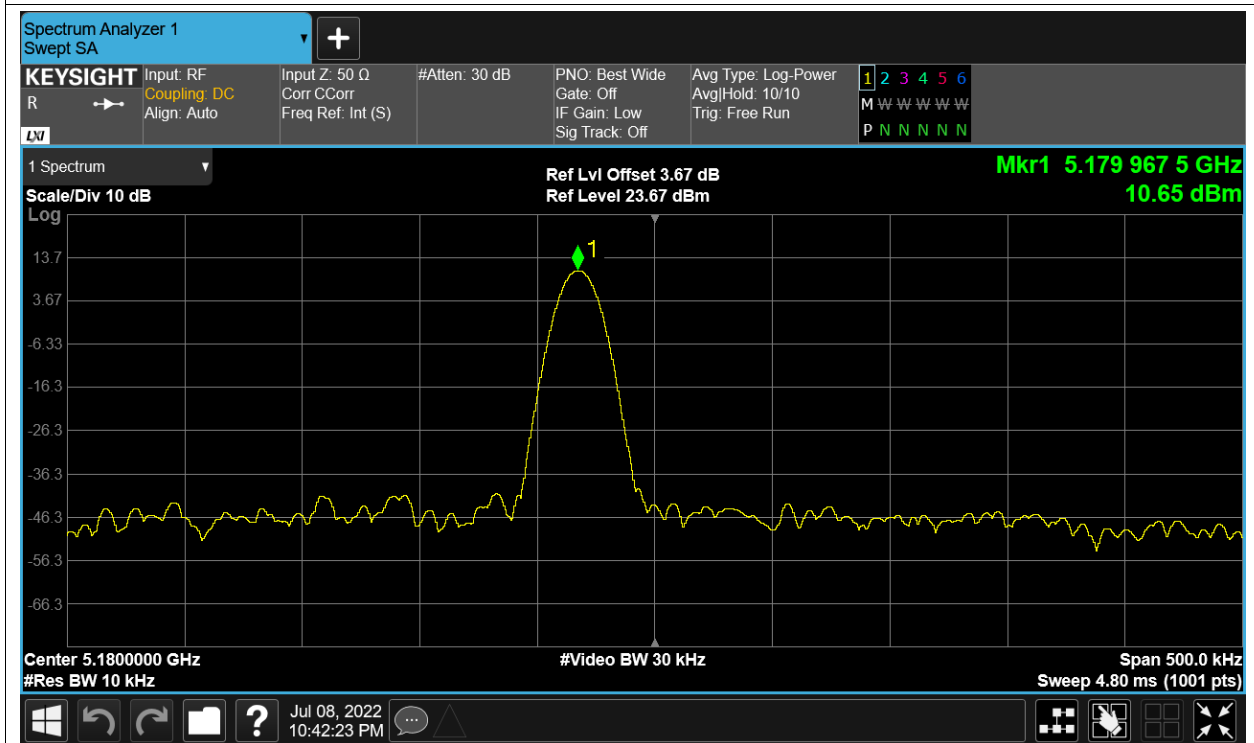
Freq. Stability NVLT a 5180MHz Ant2



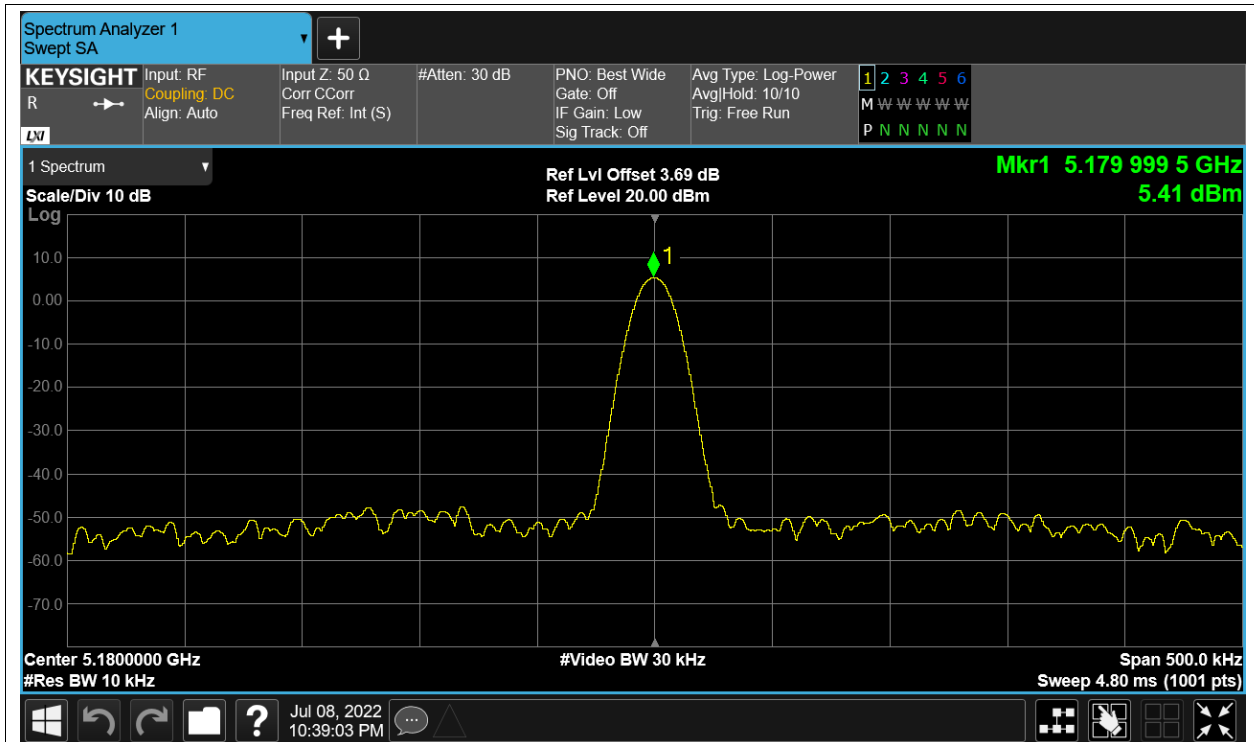
Freq. Stability NVNT a 5180MHz Ant1



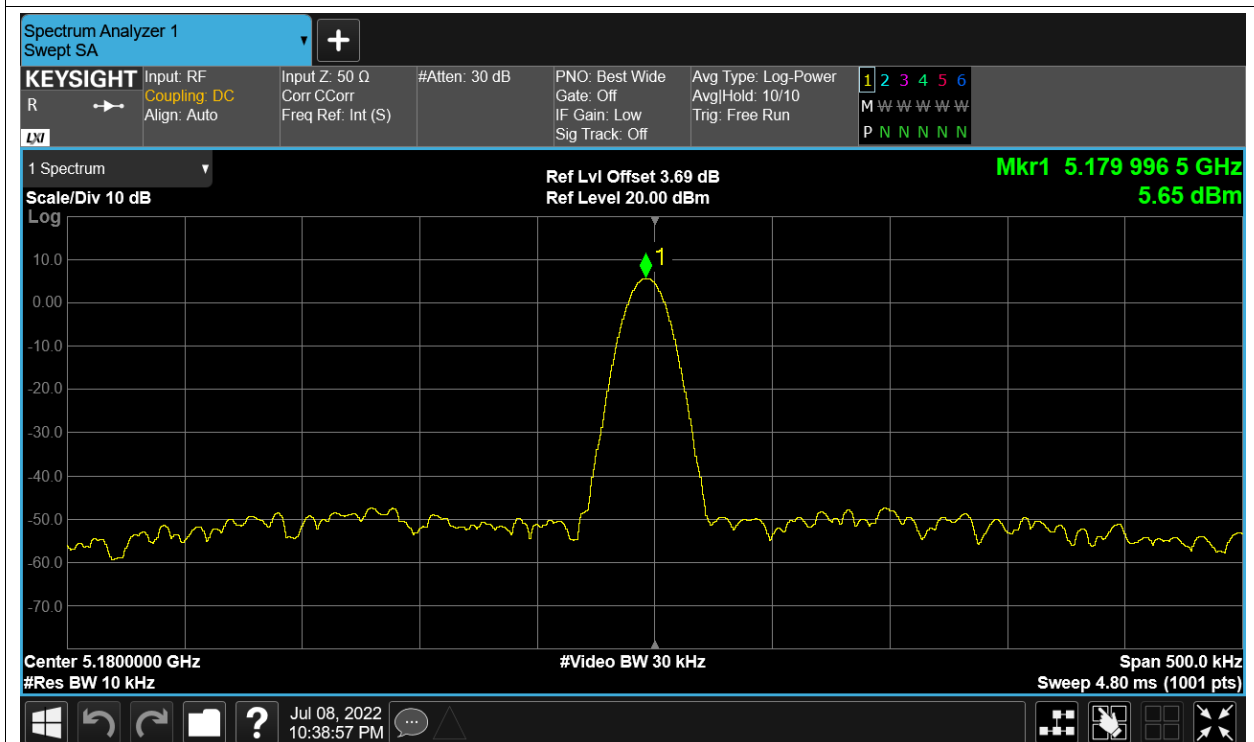
Freq. Stability NVNT a 5180MHz Ant2



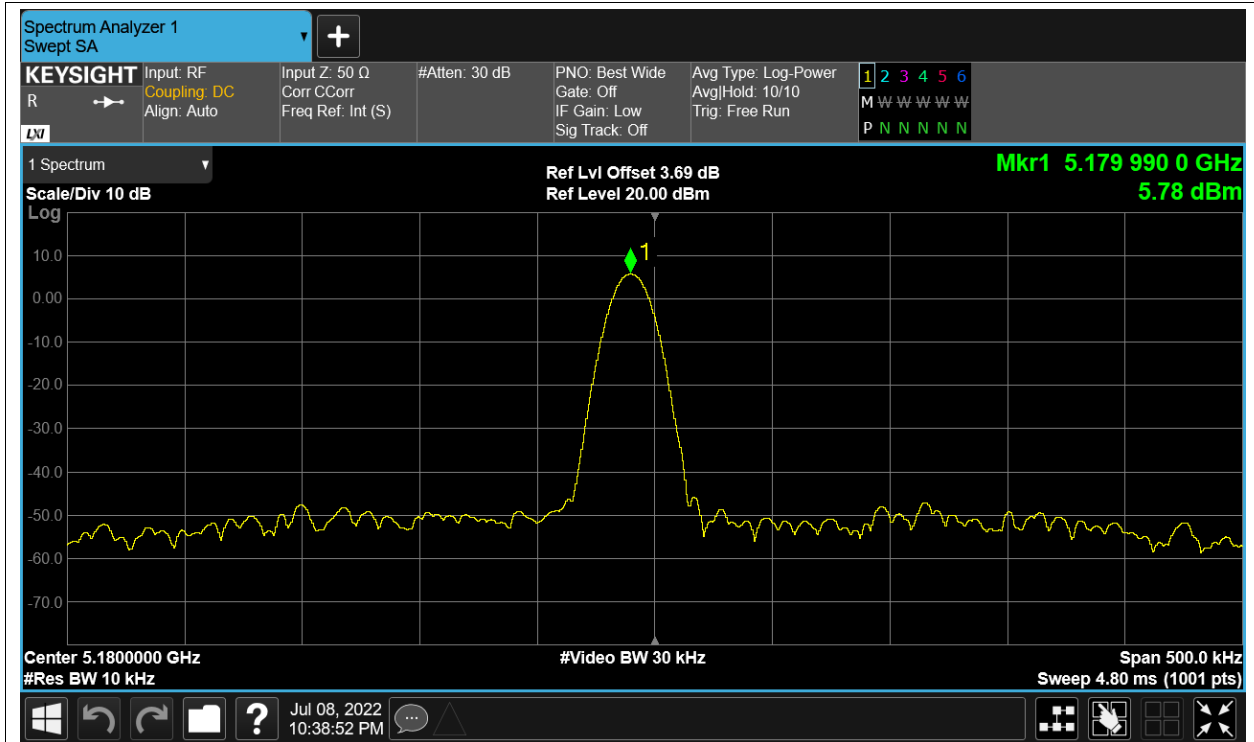
Freq. Stability HVNT ax20 5180MHz Sum



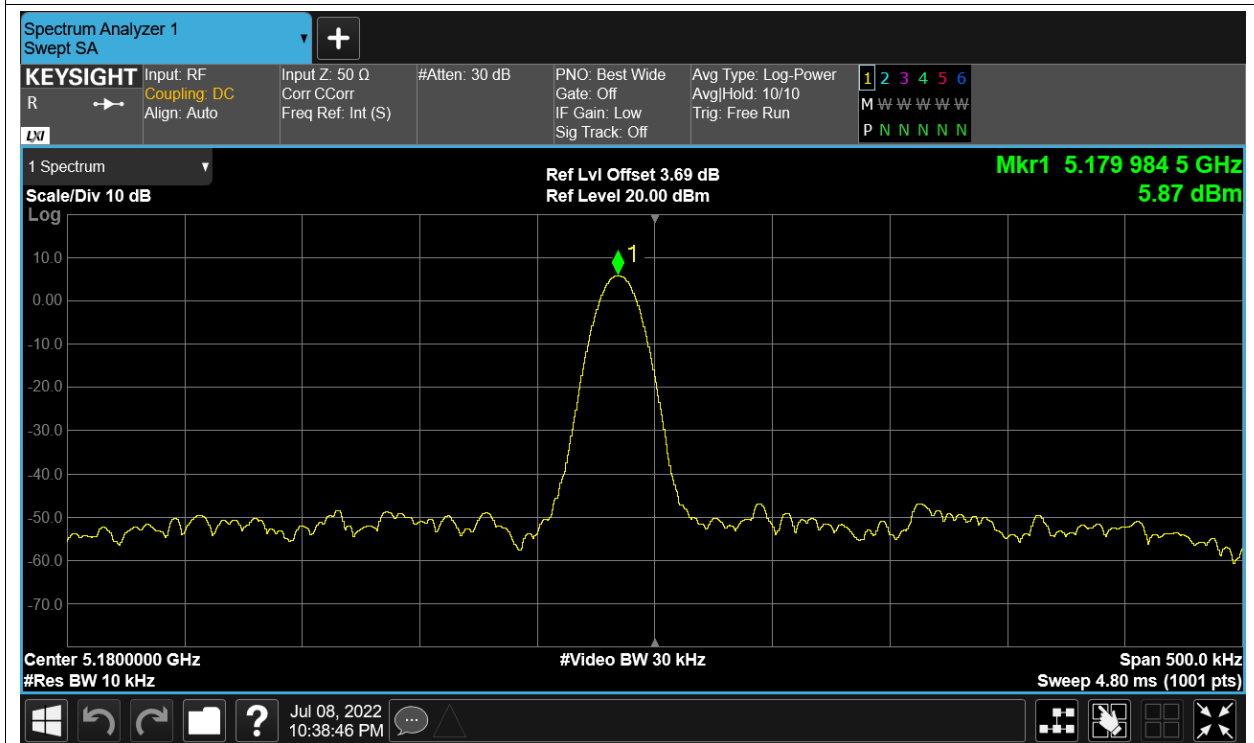
Freq. Stability LVNT ax20 5180MHz Sum



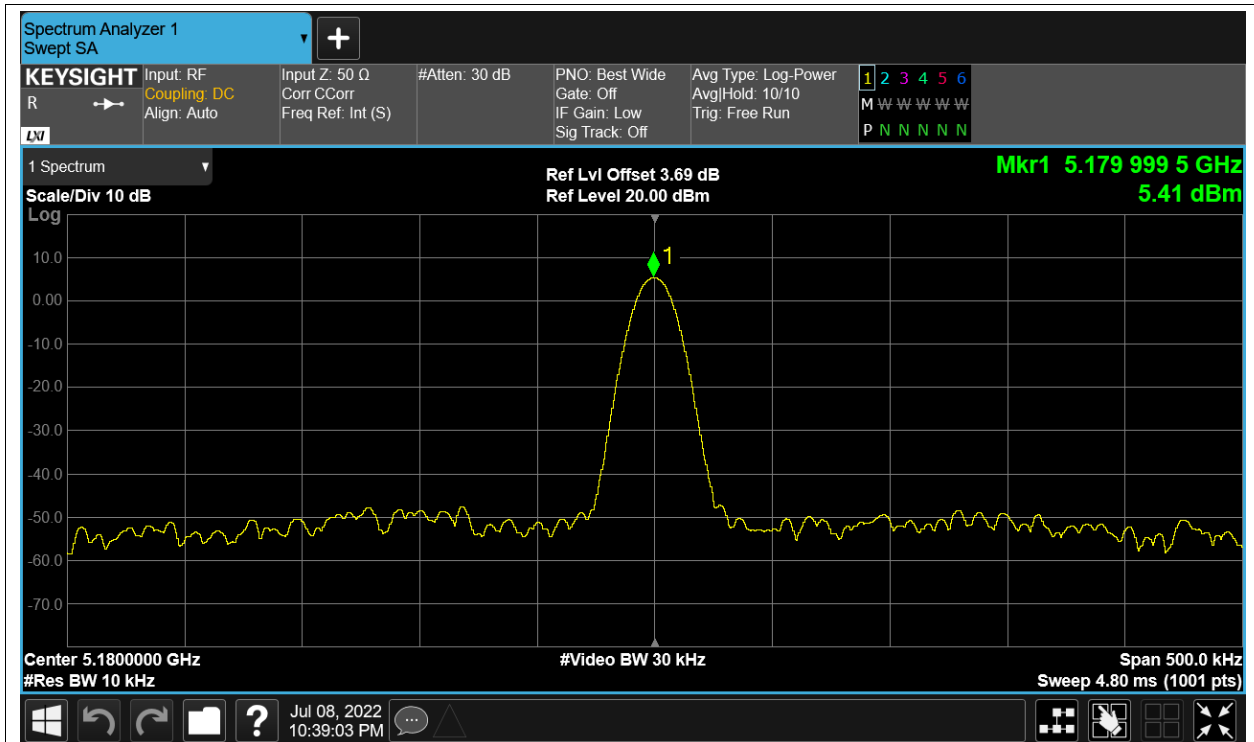
Freq. Stability NVHT ax20 5180MHz Sum



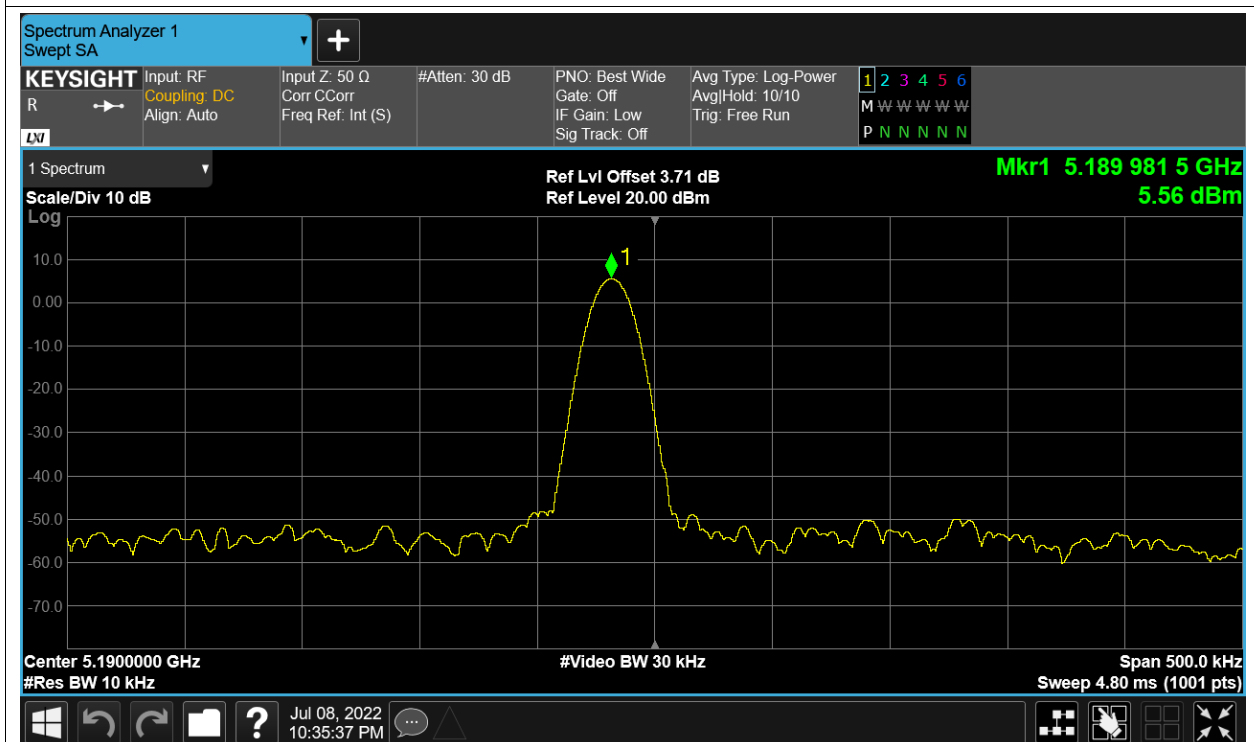
Freq. Stability NVLT ax20 5180MHz Sum



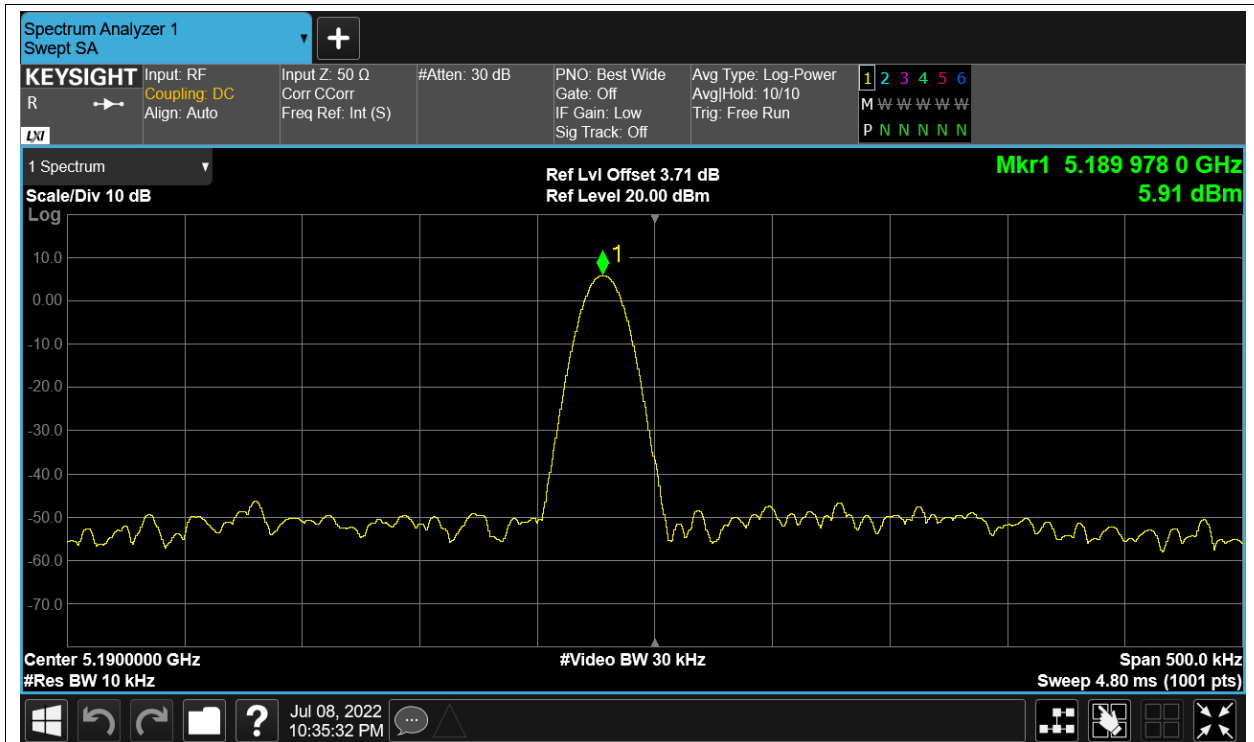
Freq. Stability NVNT ax20 5180MHz Sum



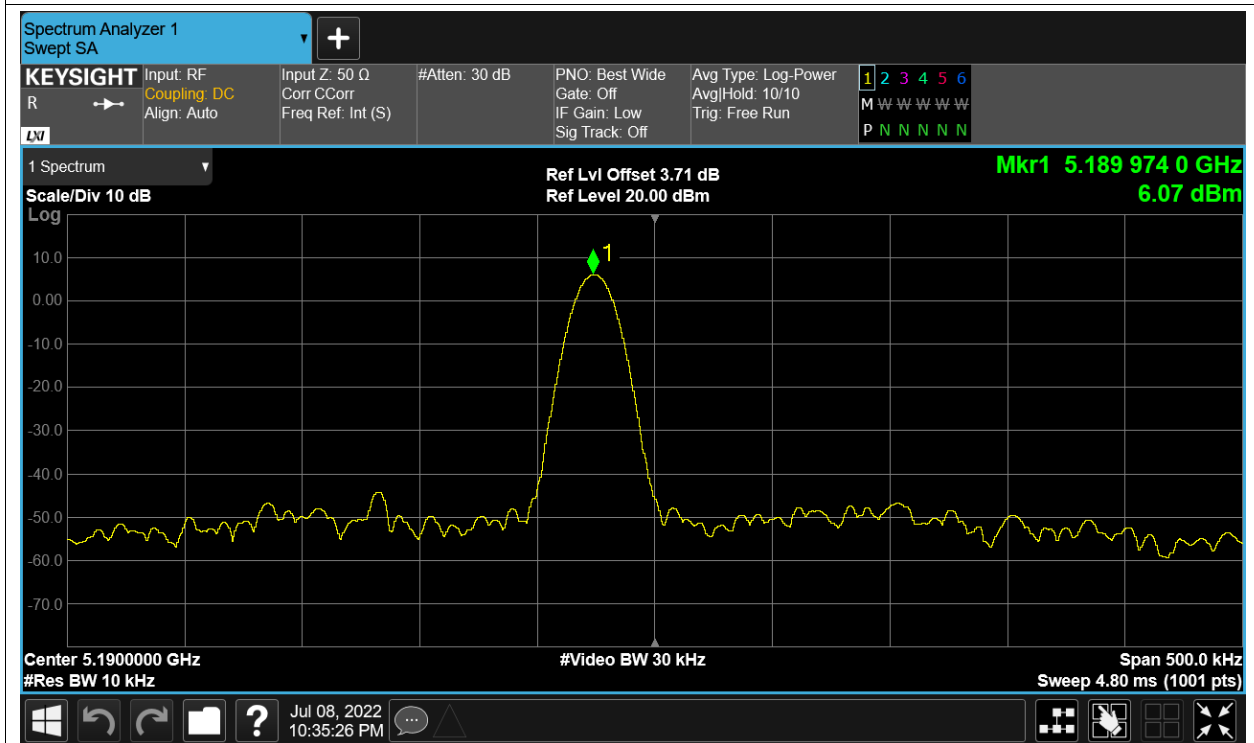
Freq. Stability HVNT ax40 5190MHz Sum



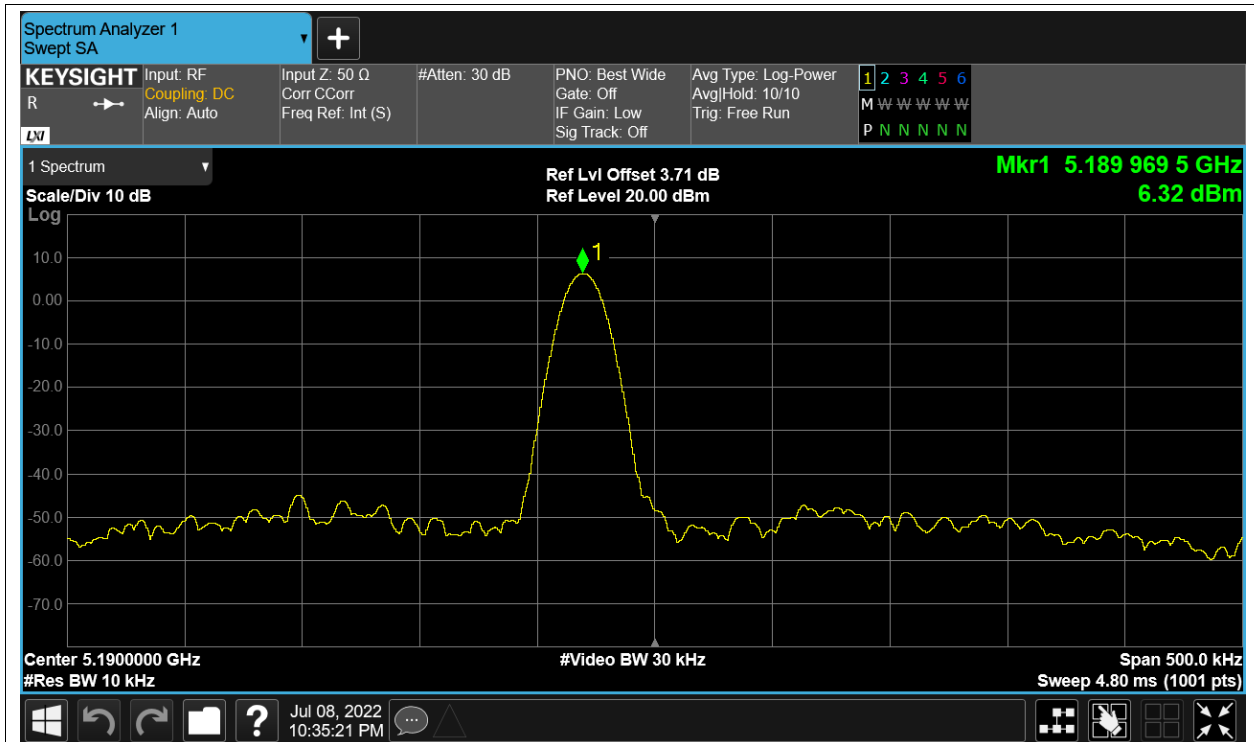
Freq. Stability LVNT ax40 5190MHz Sum



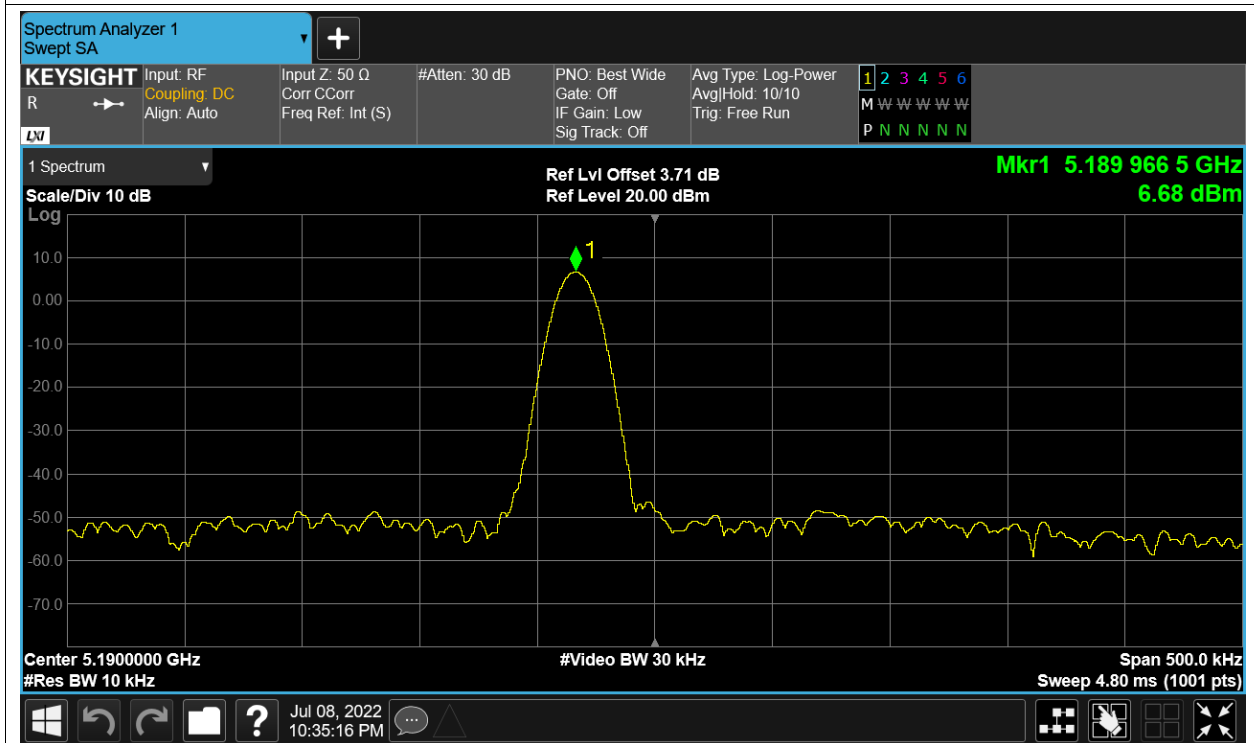
Freq. Stability NVHT ax40 5190MHz Sum



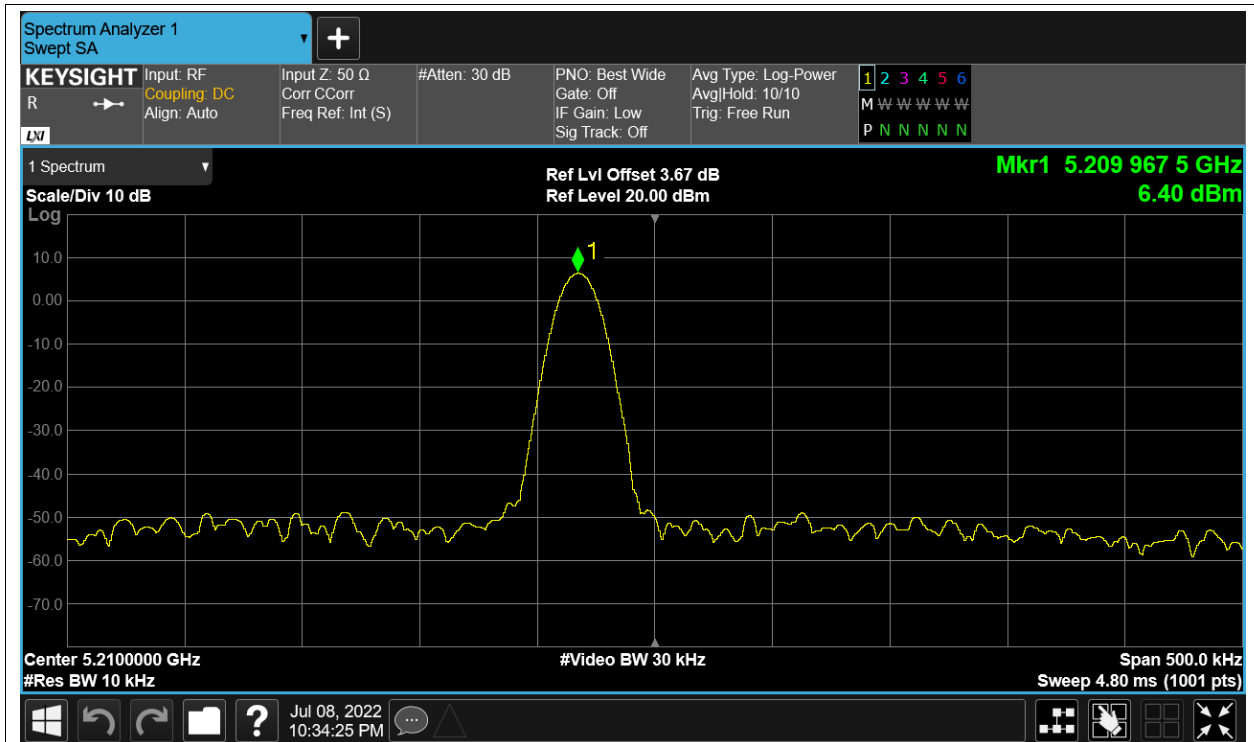
Freq. Stability NVLT ax40 5190MHz Sum



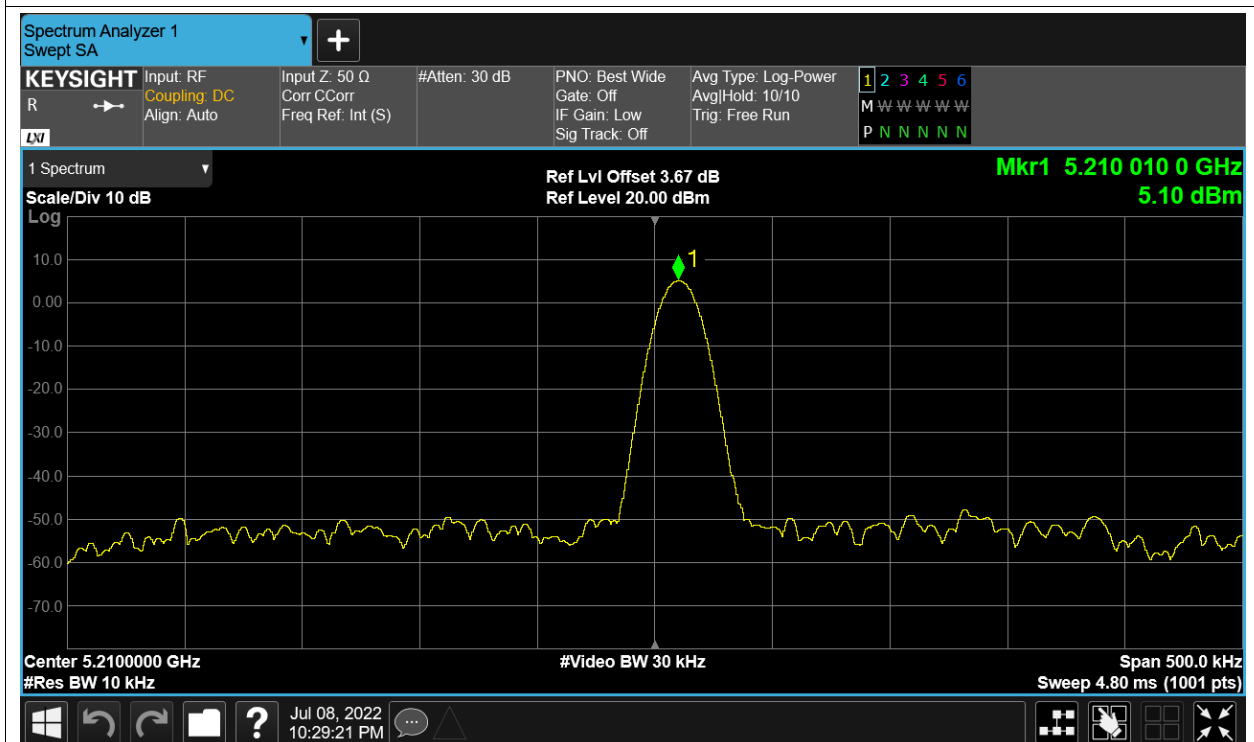
Freq. Stability NVNT ax40 5190MHz Sum



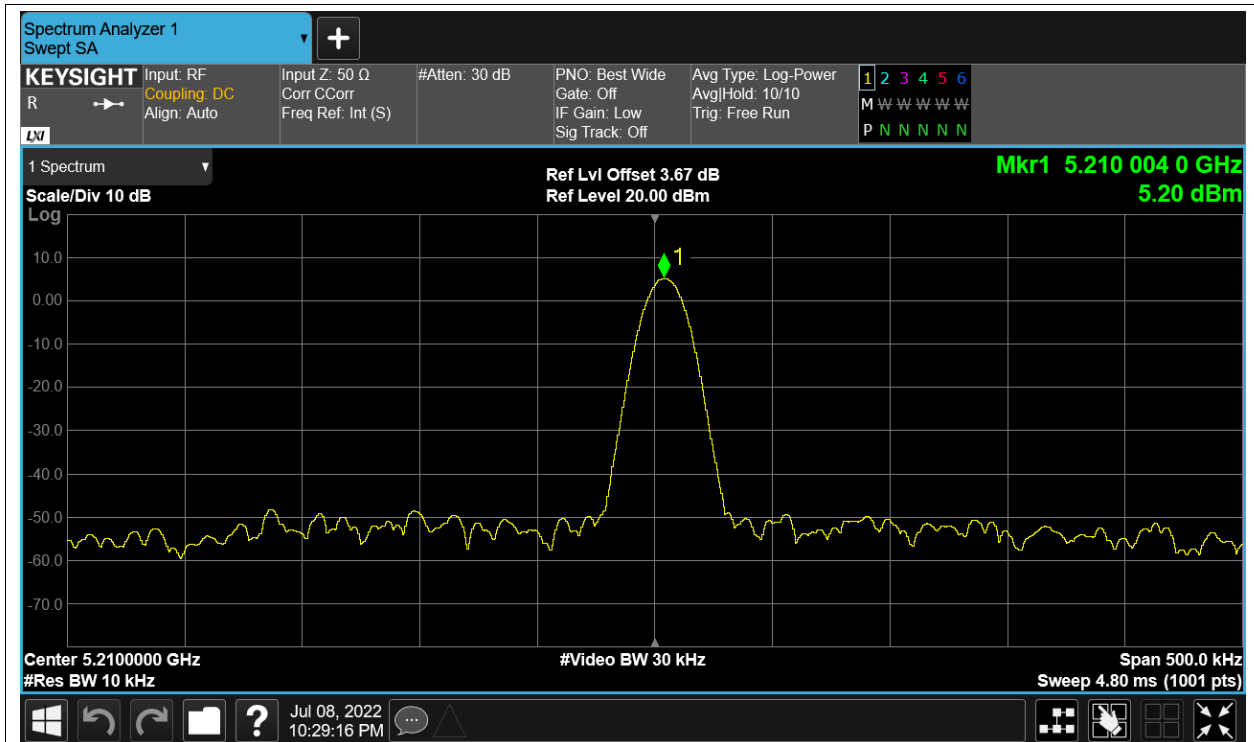
Freq. Stability HVNT ax80 5210MHz Sum



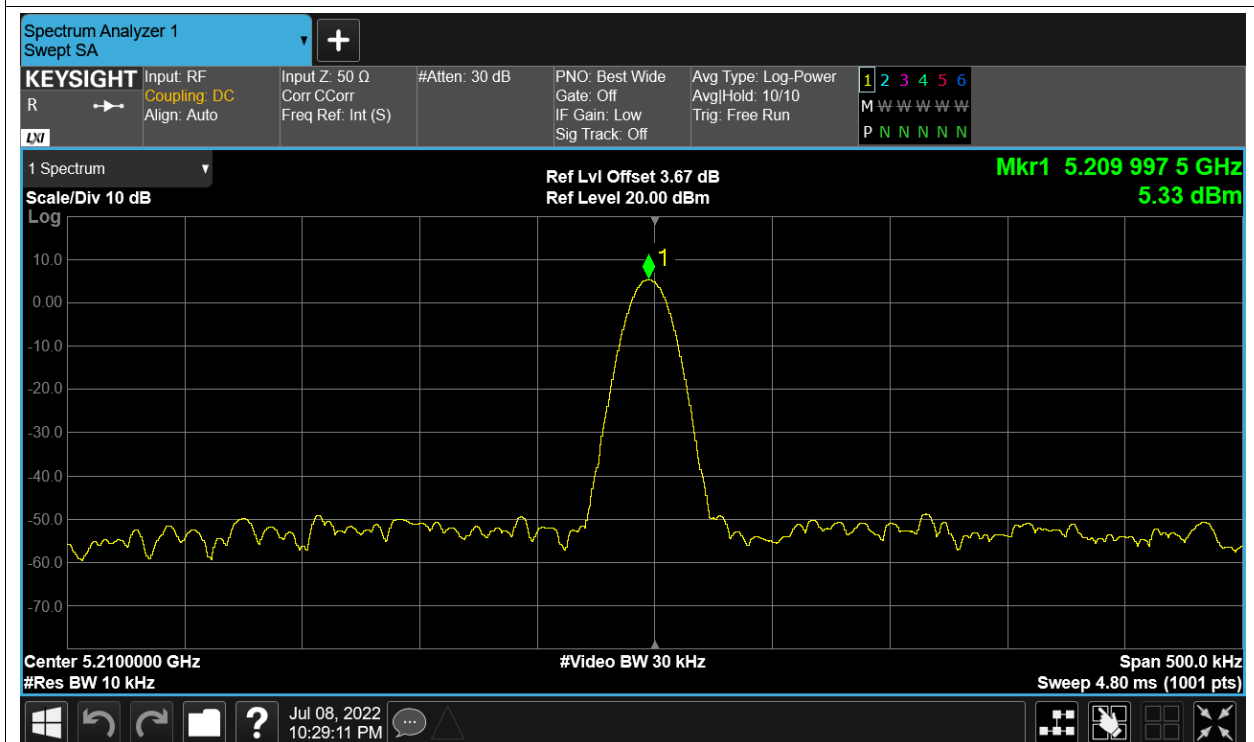
Freq. Stability LVNT ax80 5210MHz Sum



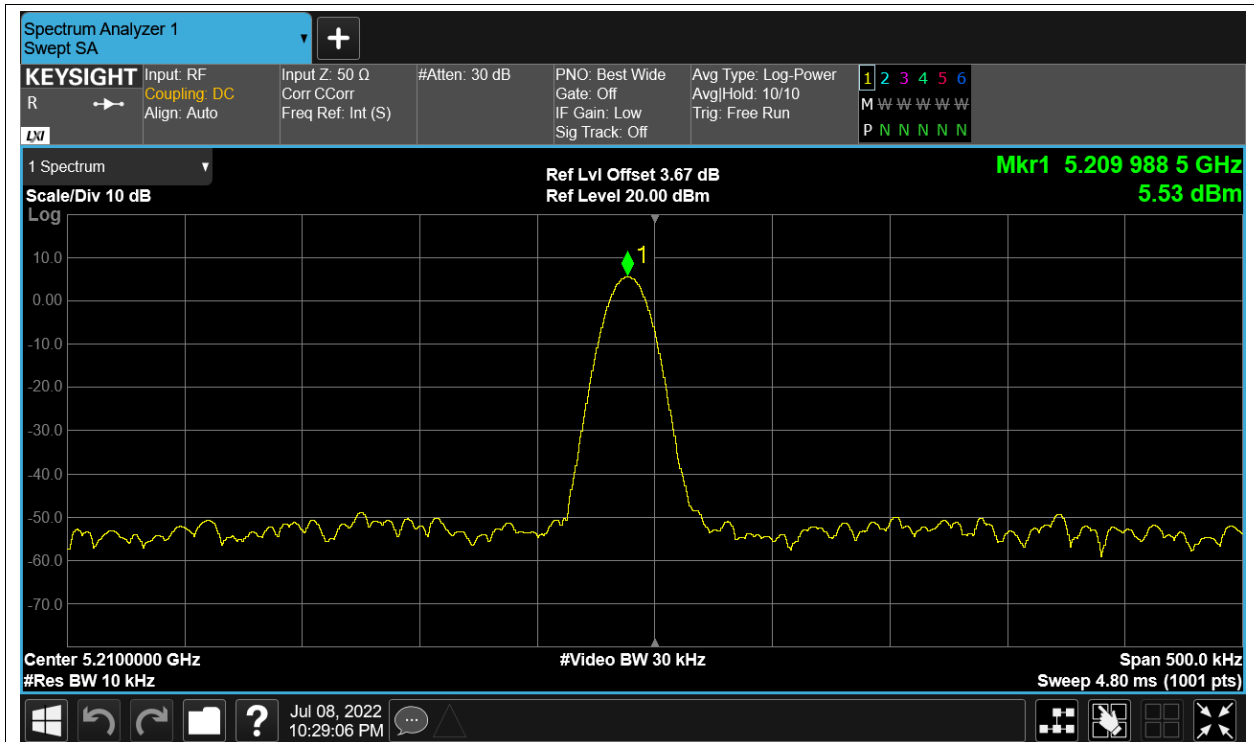
Freq. Stability NVHT ax80 5210MHz Sum



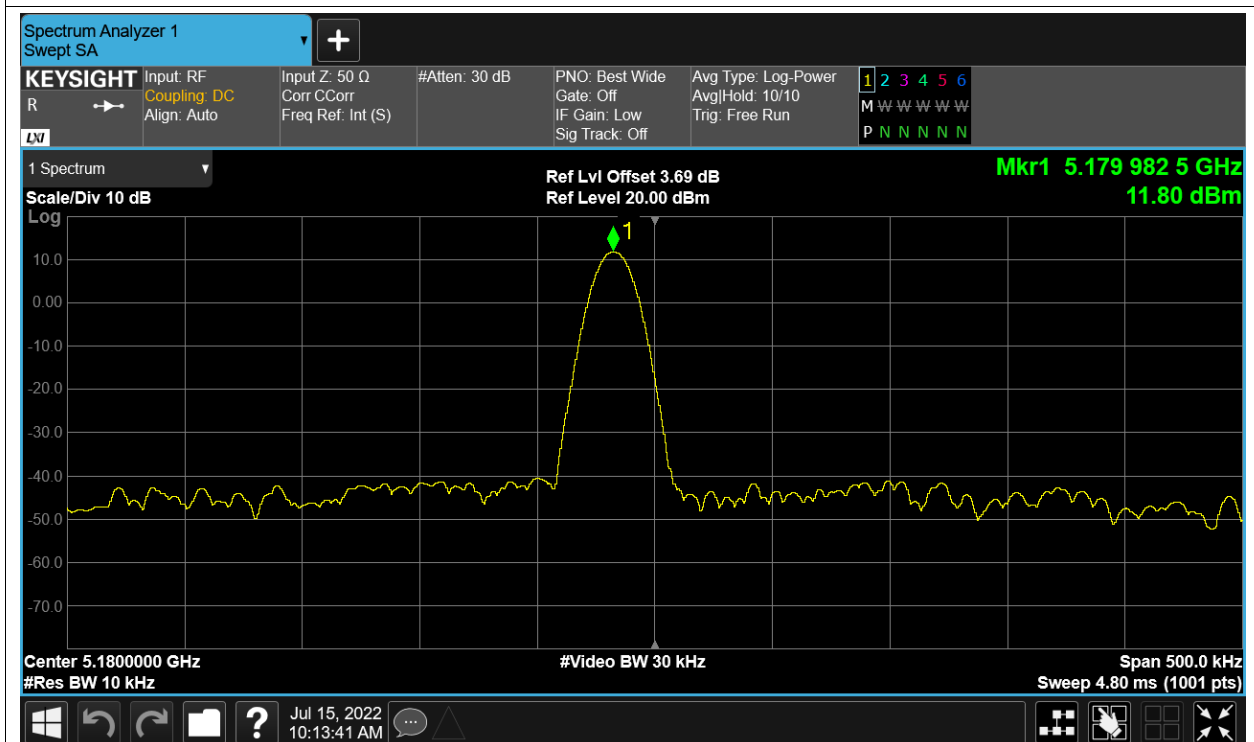
Freq. Stability NVLT ax80 5210MHz Sum



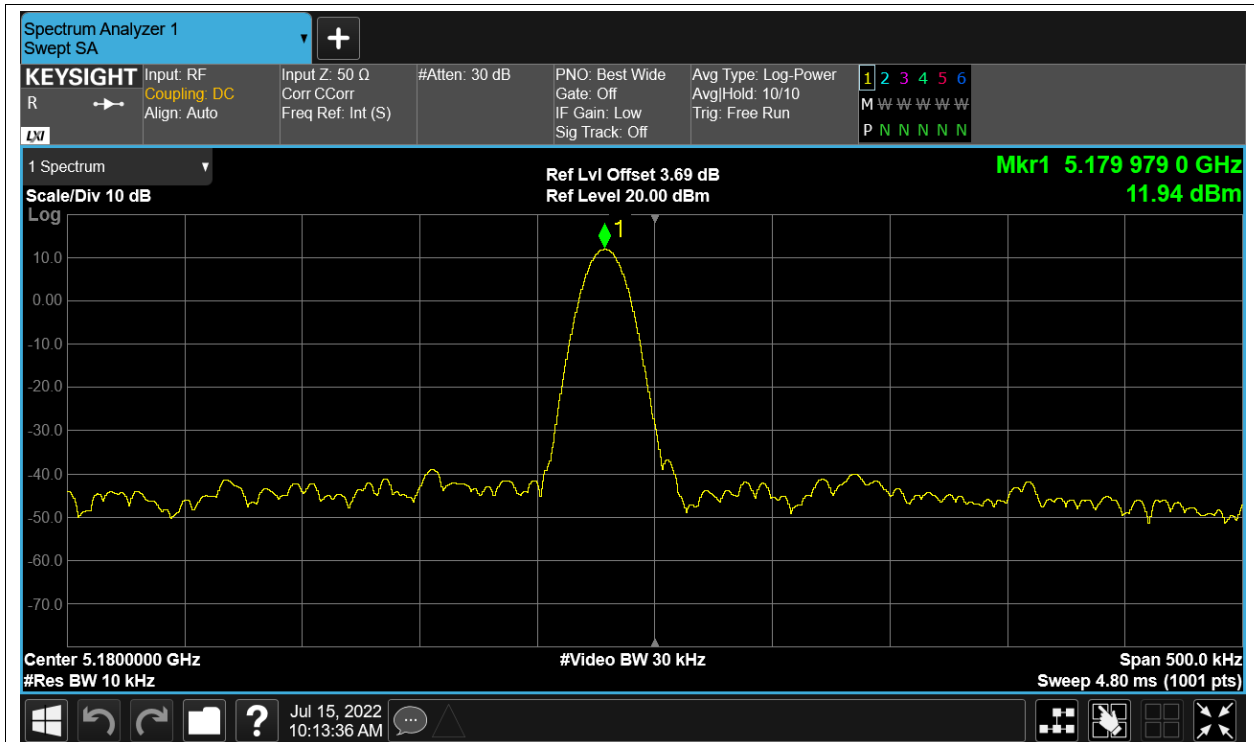
Freq. Stability NVNT ax80 5210MHz Sum



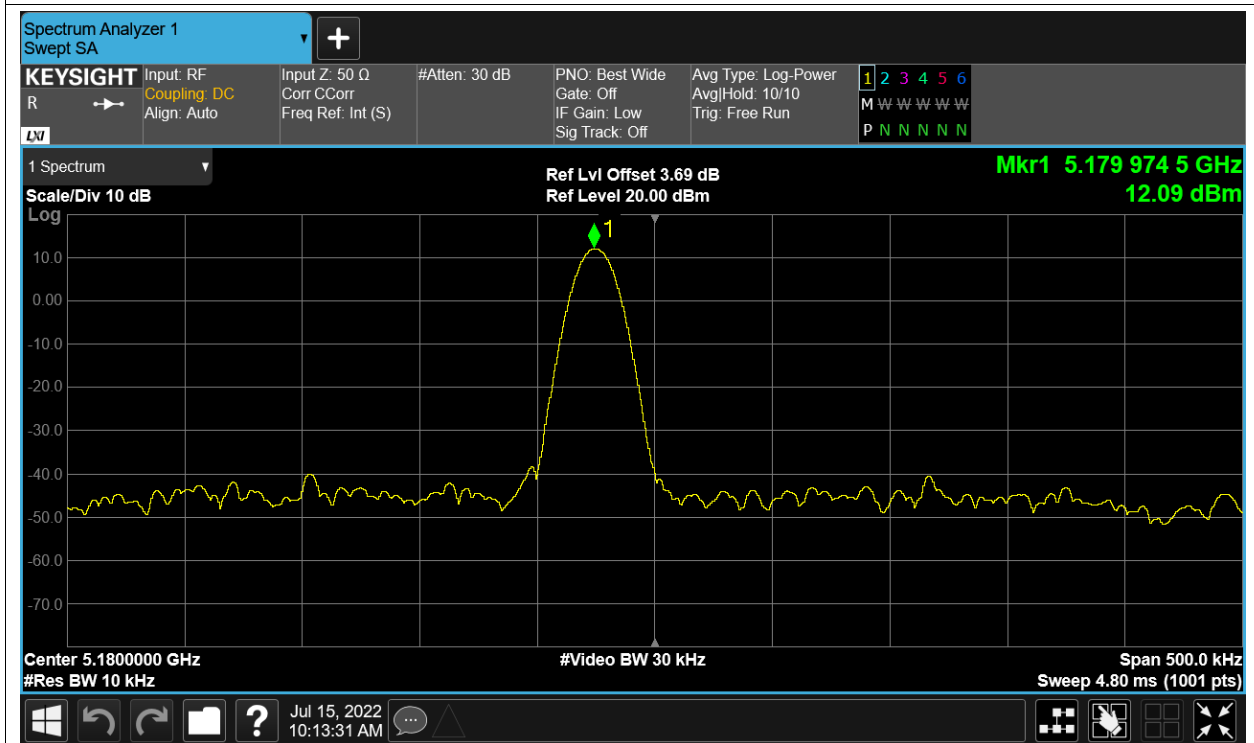
Freq. Stability HVNT n20 5180MHz Sum



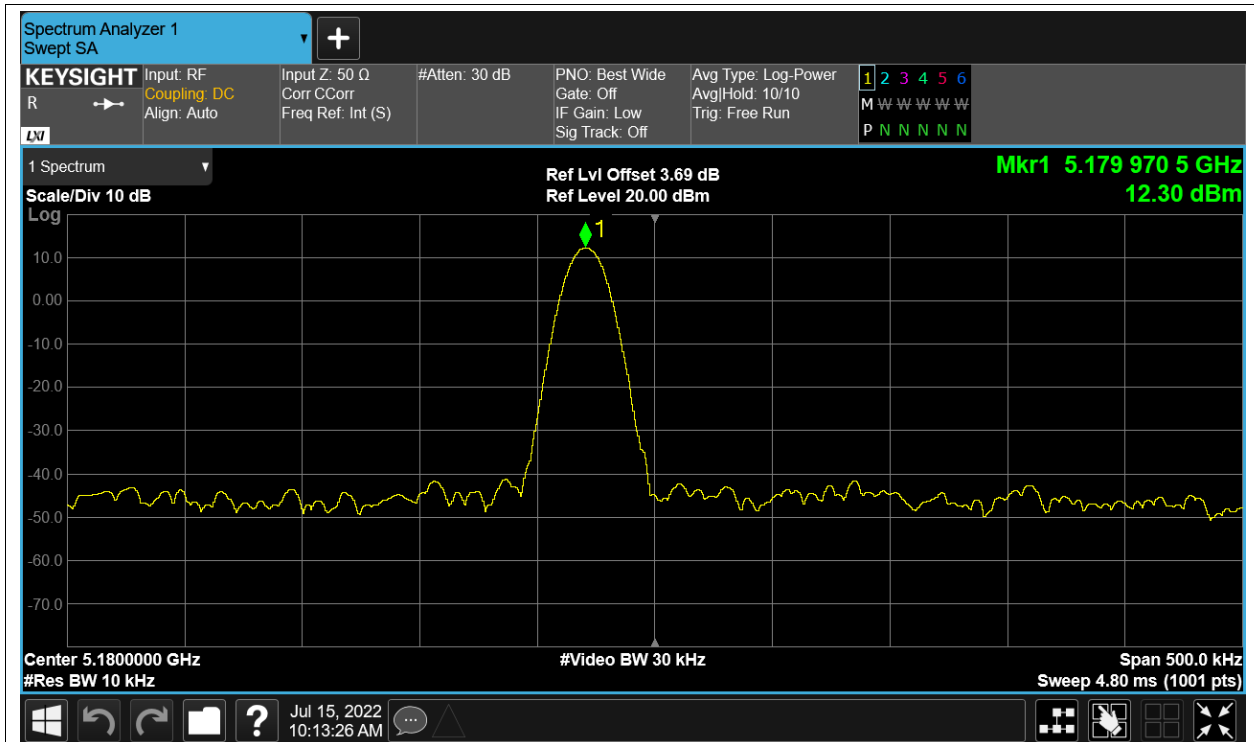
Freq. Stability LVNT n20 5180MHz Sum



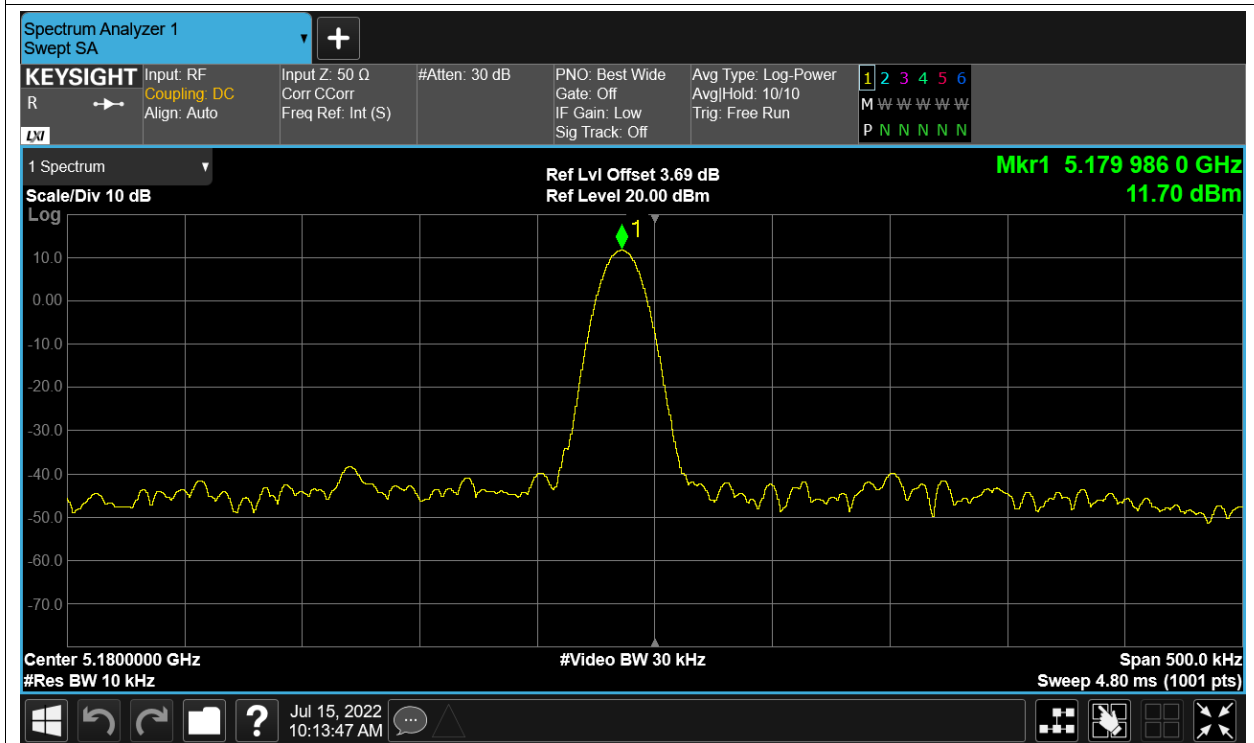
Freq. Stability NVHT n20 5180MHz Sum



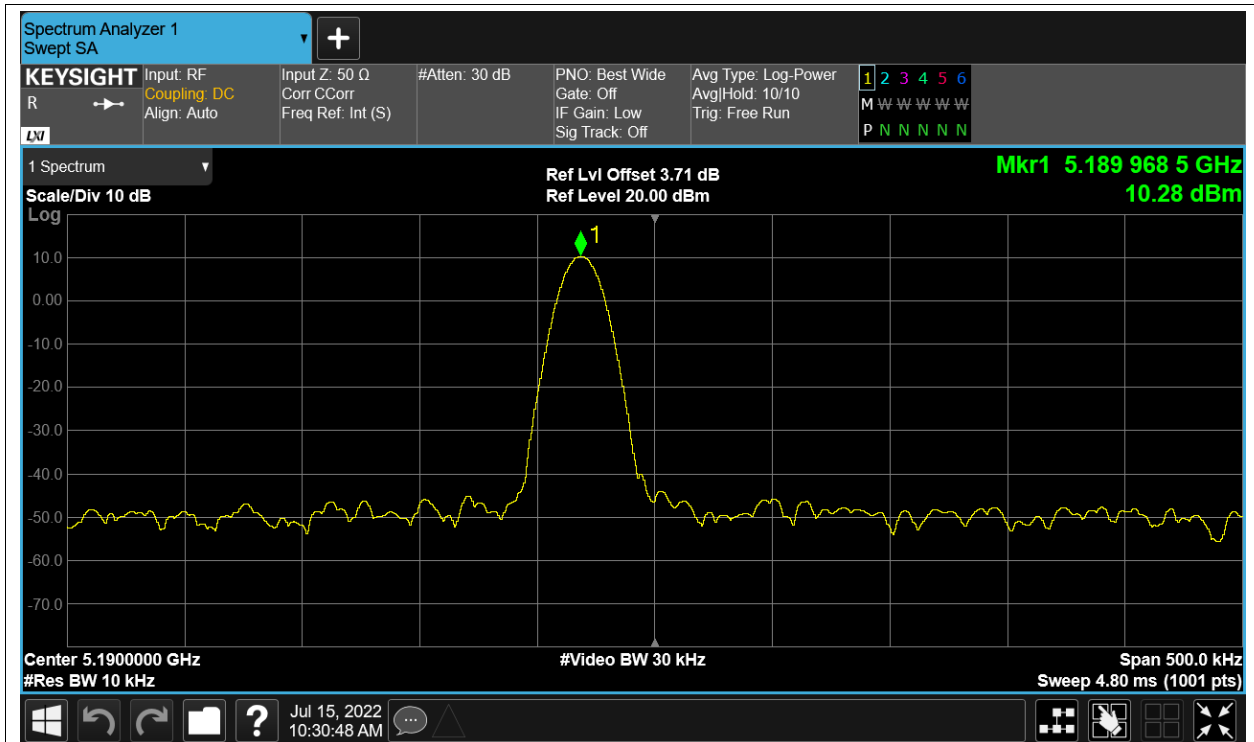
Freq. Stability NVLT n20 5180MHz Sum



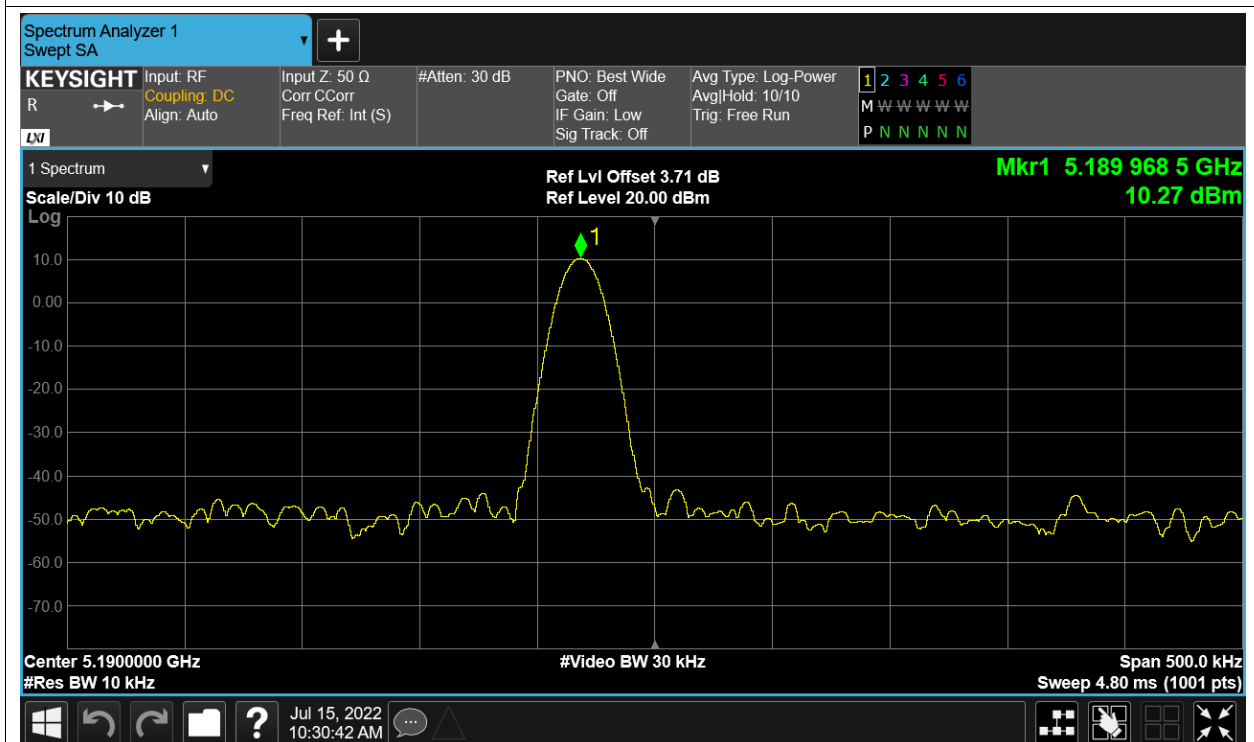
Freq. Stability NVNT n20 5180MHz Sum



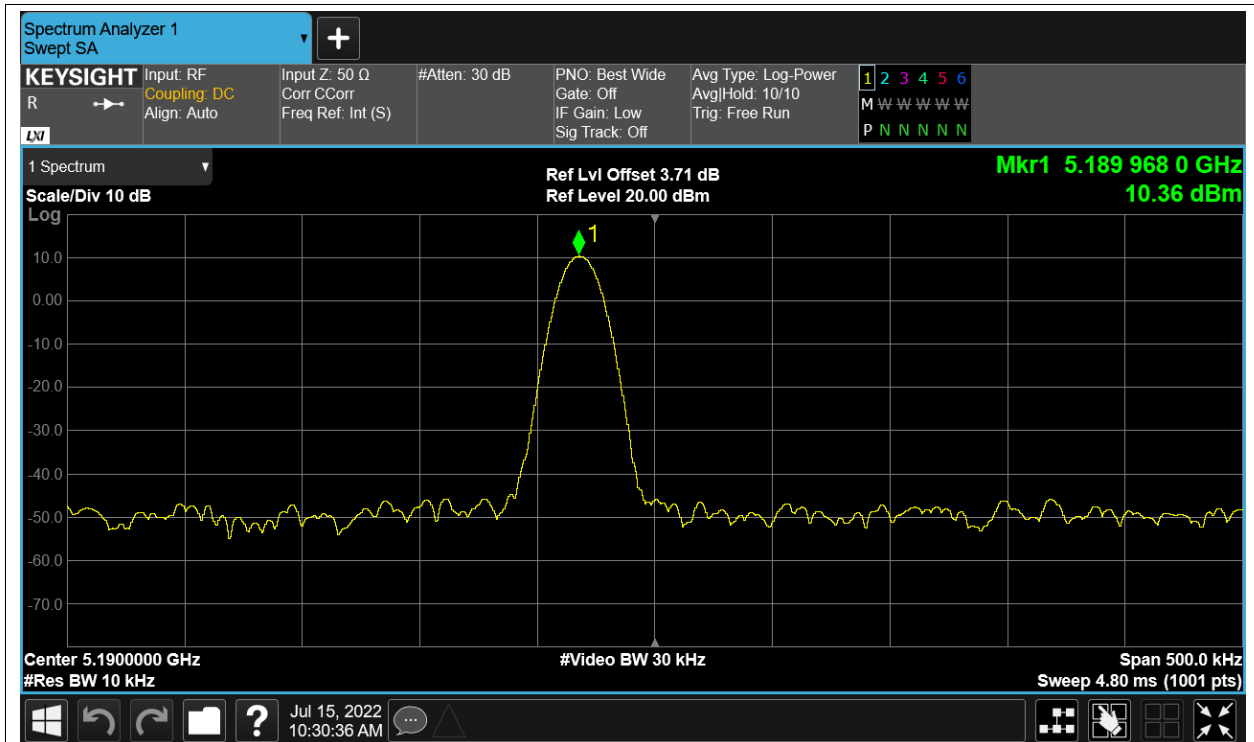
Freq. Stability HVNT n40 5190MHz Sum



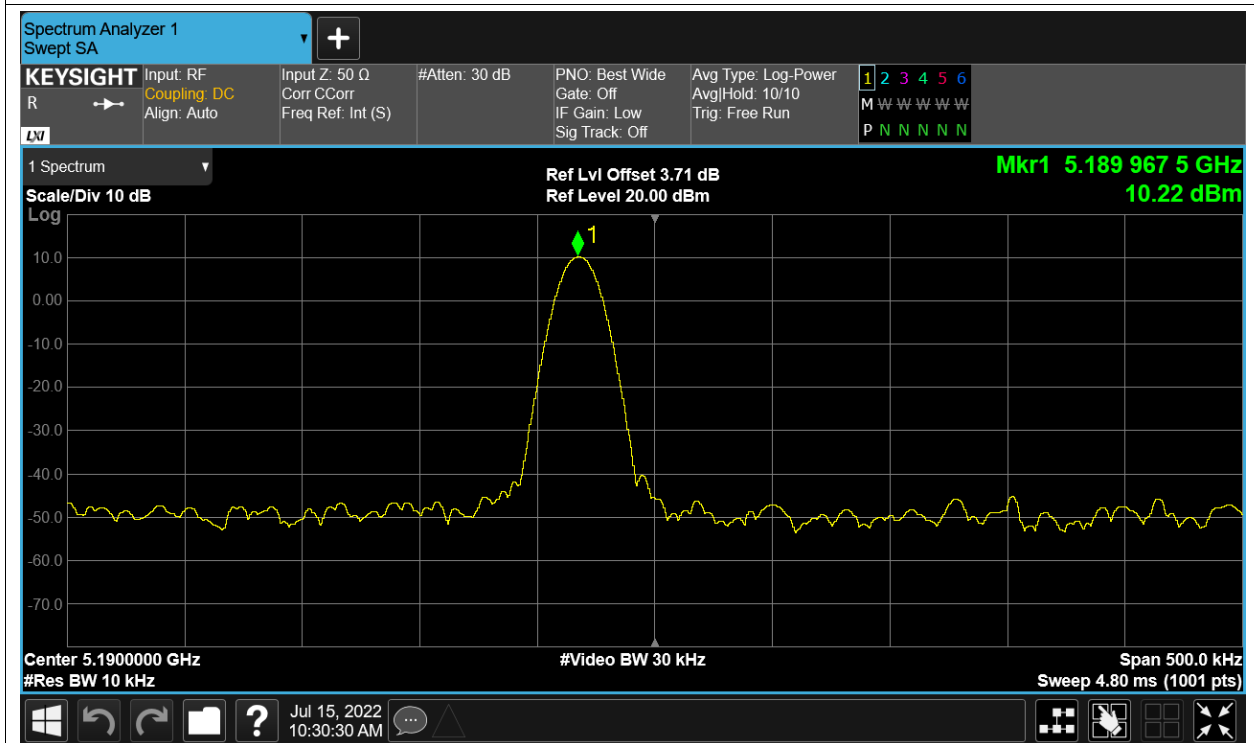
Freq. Stability LVNT n40 5190MHz Sum



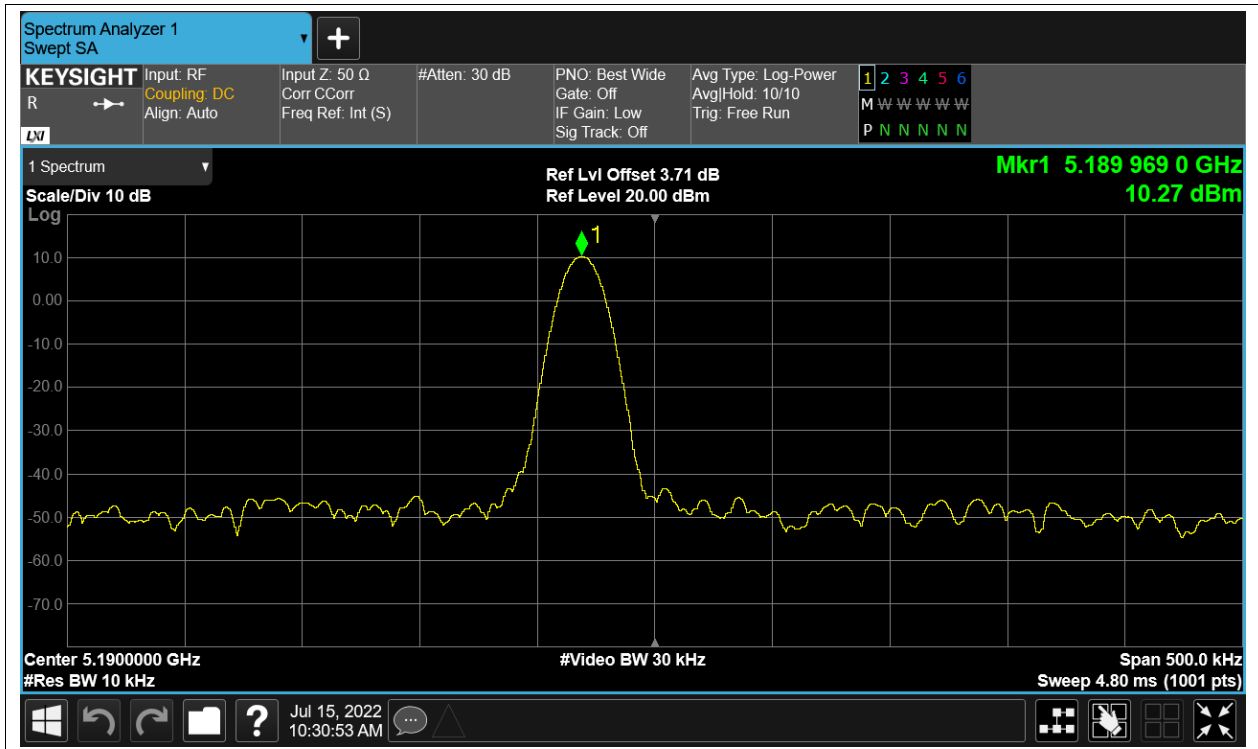
Freq. Stability NVHT n40 5190MHz Sum



Freq. Stability NVLT n40 5190MHz Sum

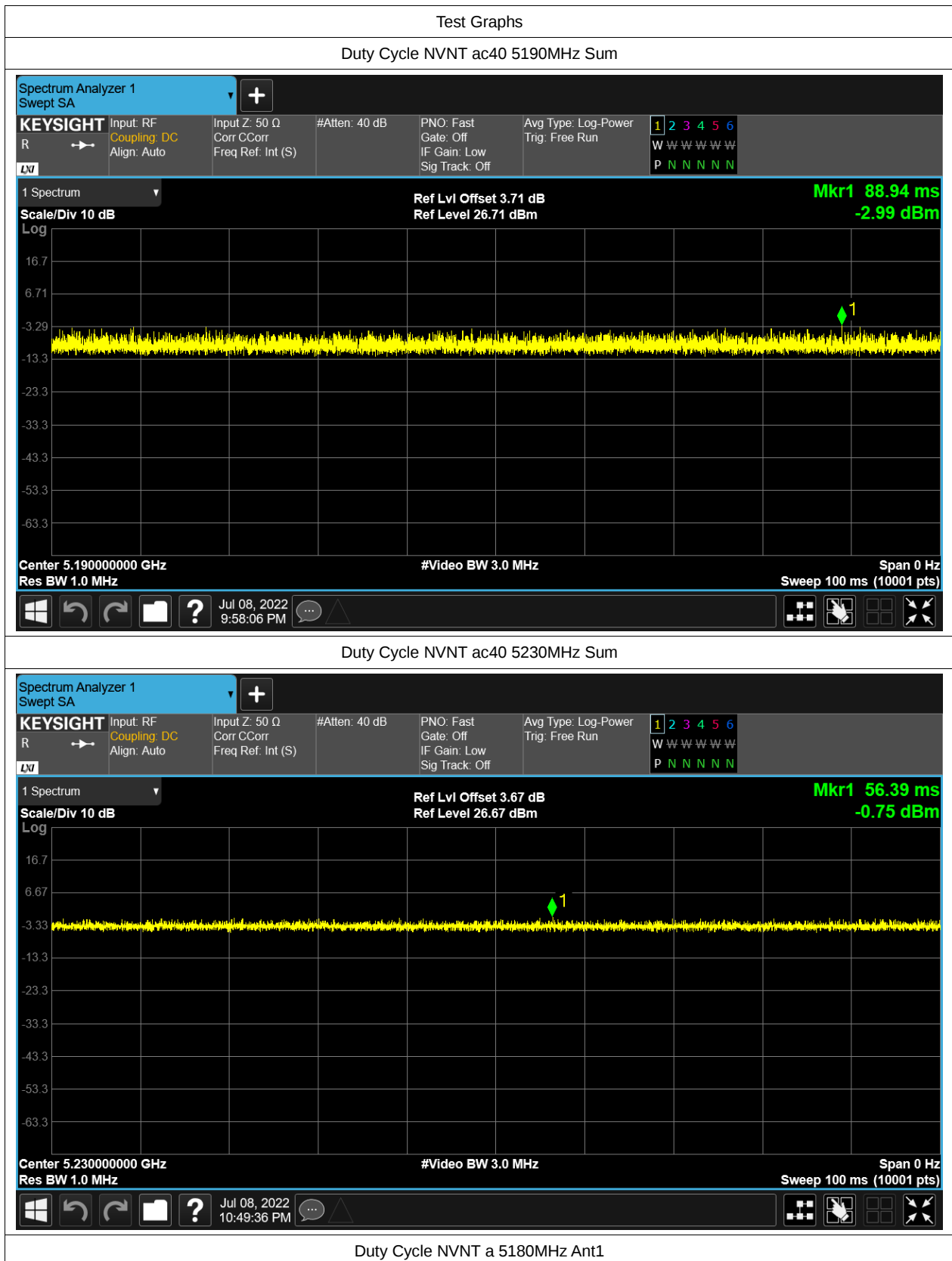


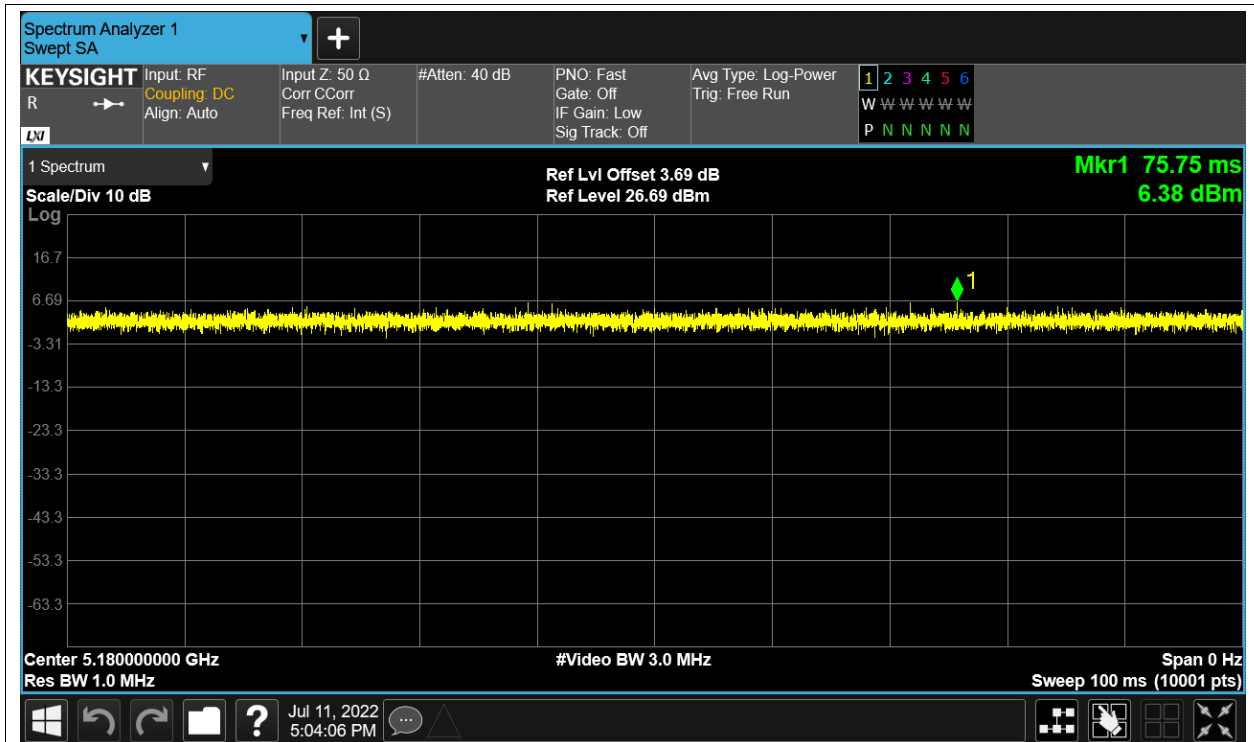
Freq. Stability NVNT n40 5190MHz Sum



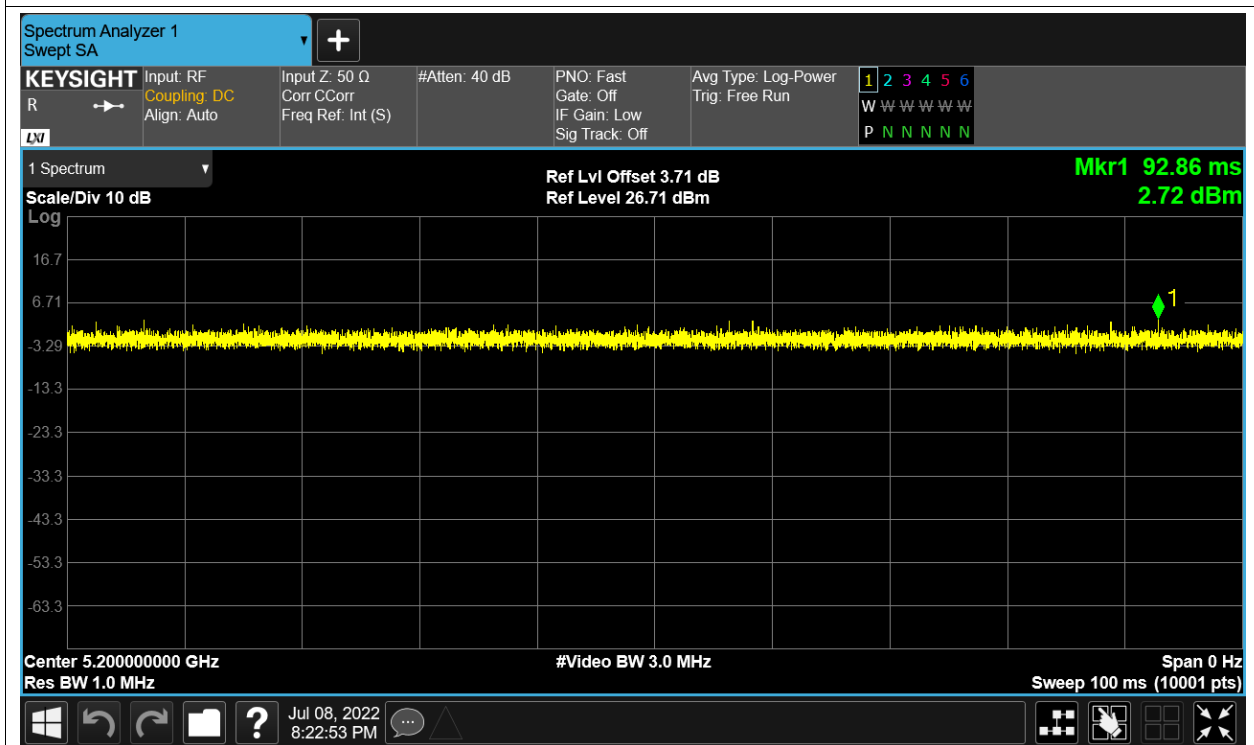
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	ac40	5190	Sum	100	0
NVNT	ac40	5230	Sum	100	0
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	a	5180	Ant2	100	0
NVNT	a	5200	Ant2	100	0
NVNT	a	5240	Ant2	100	0
NVNT	ac20	5180	Sum	100	0
NVNT	ac20	5200	Sum	100	0
NVNT	ac20	5240	Sum	100	0
NVNT	ac80	5210	Sum	100	0
NVNT	ax20	5180	Sum	100	0
NVNT	ax20	5200	Sum	100	0
NVNT	ax20	5240	Sum	100	0
NVNT	ax40	5190	Sum	100	0
NVNT	ax40	5230	Sum	100	0
NVNT	ax80	5210	Sum	100	0
NVNT	n20	5180	Sum	100	0
NVNT	n20	5200	Sum	100	0
NVNT	n20	5240	Sum	100	0
NVNT	n40	5190	Sum	100	0
NVNT	n40	5230	Sum	100	0

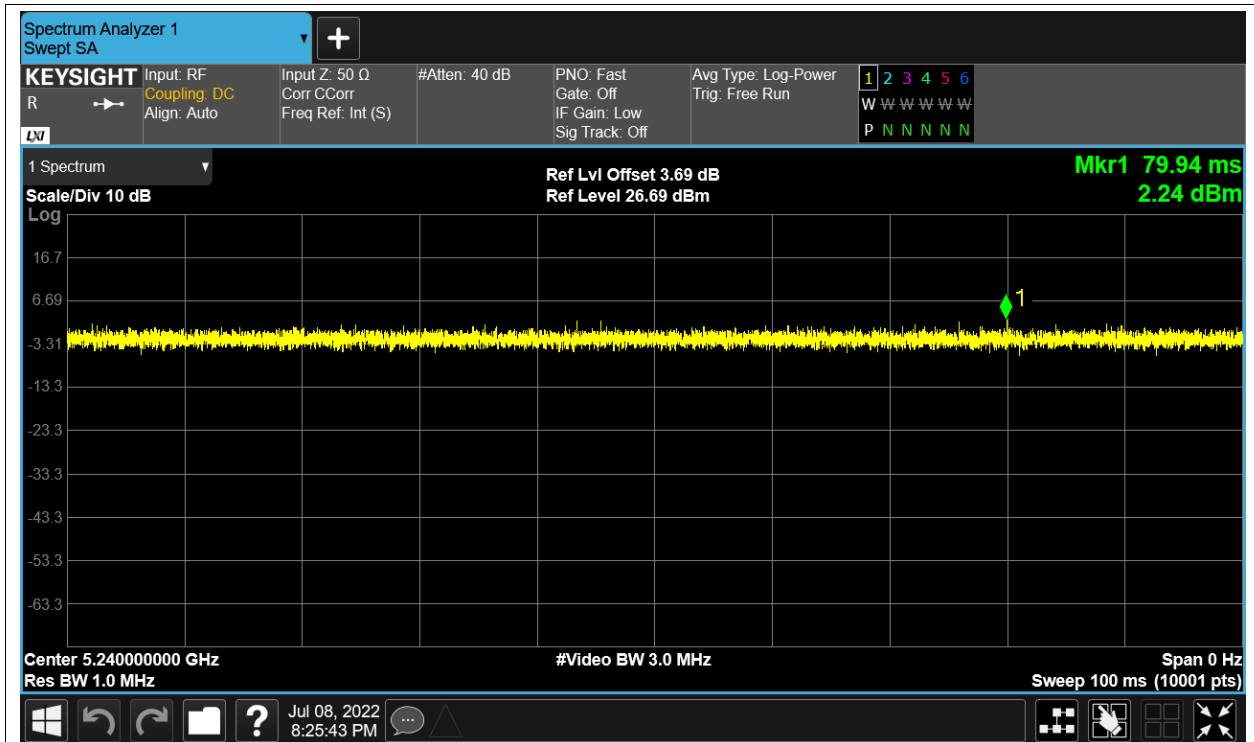




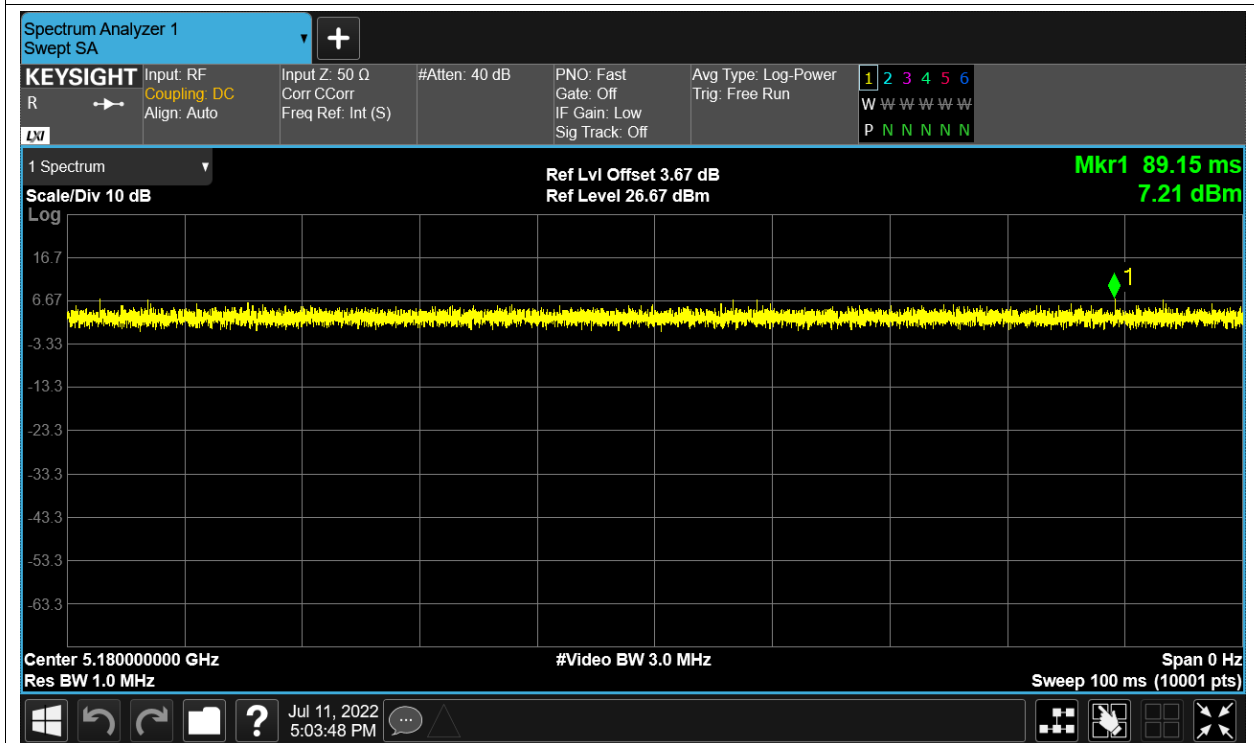
Duty Cycle NVNT a 5200MHz Ant1



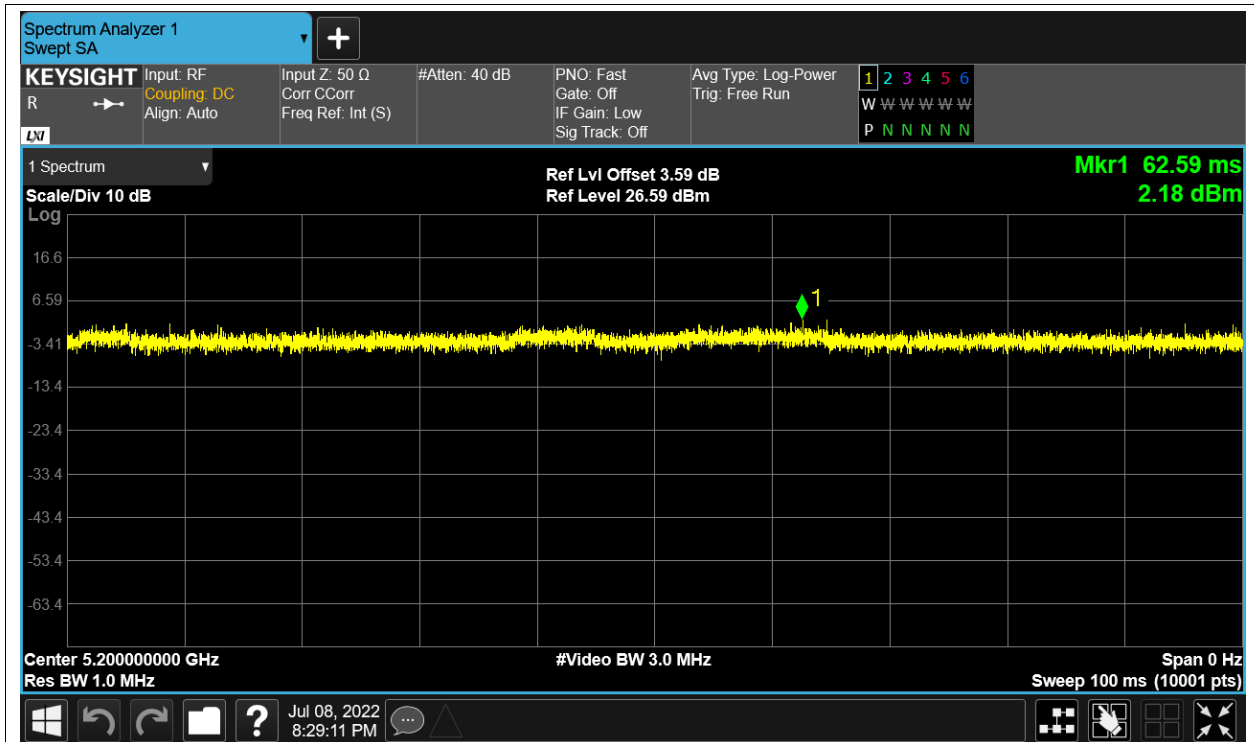
Duty Cycle NVNT a 5240MHz Ant1



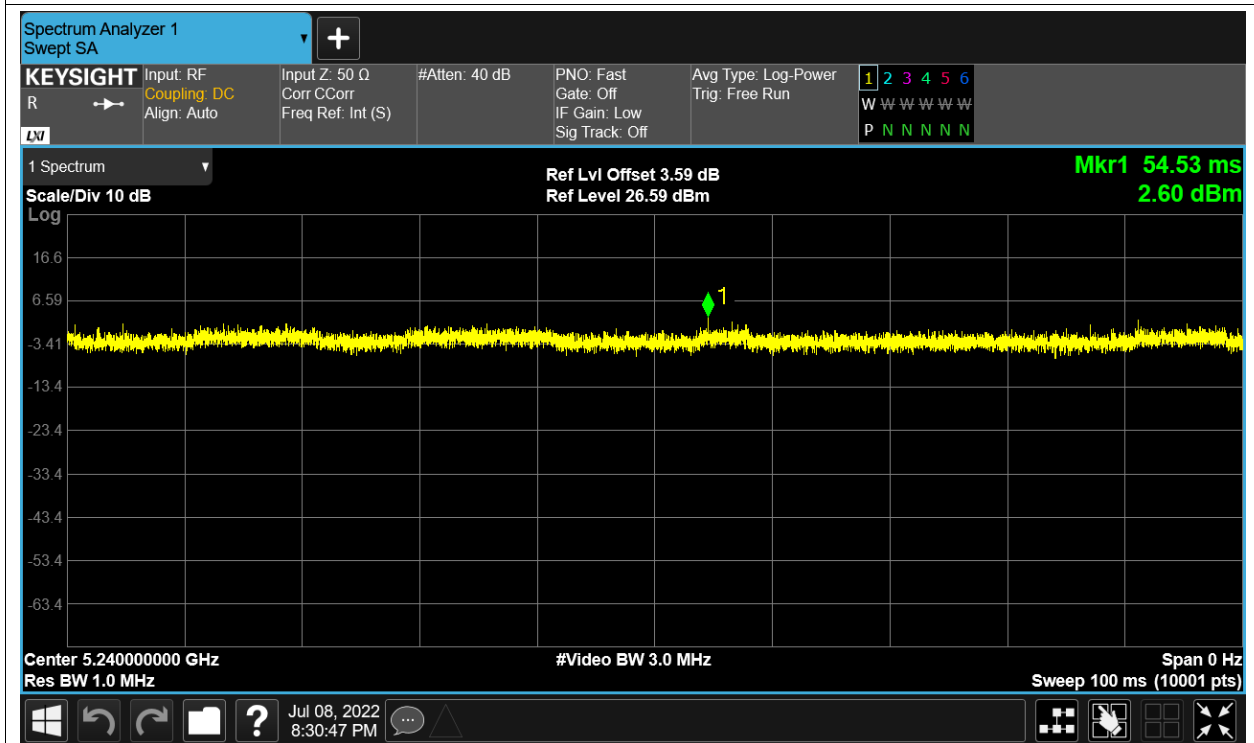
Duty Cycle NVNT a 5180MHz Ant2



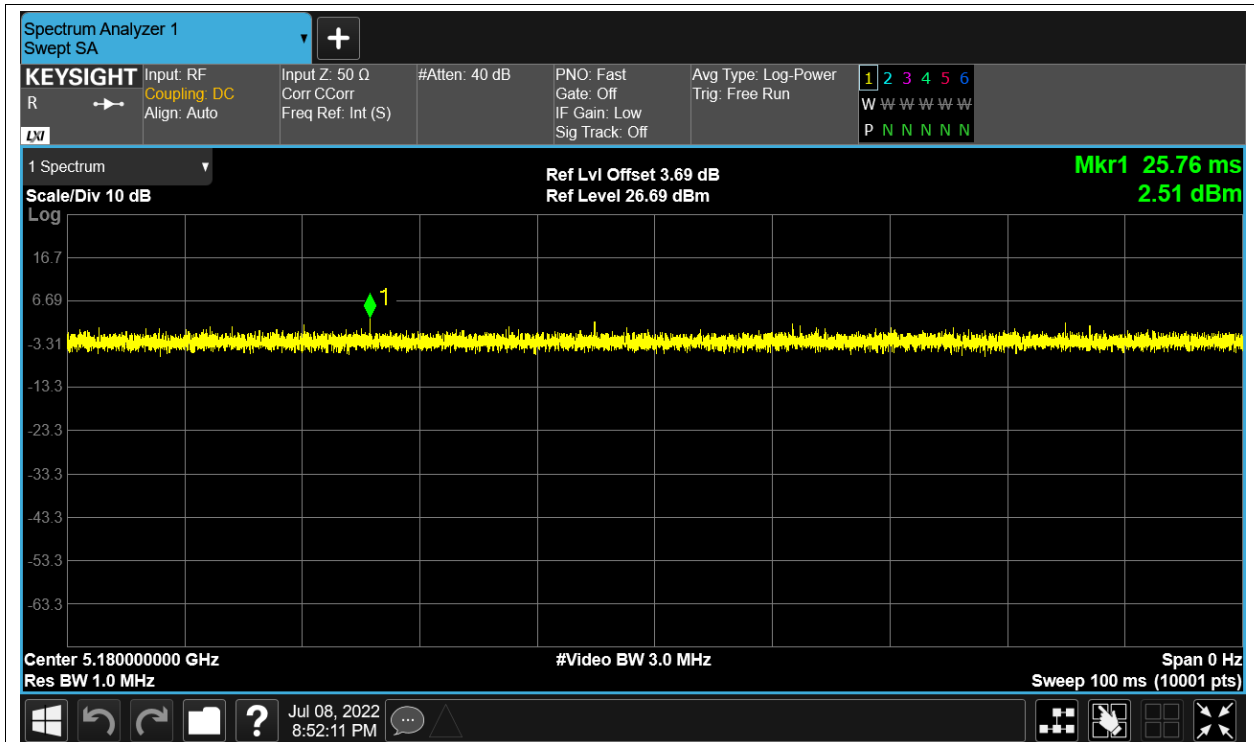
Duty Cycle NVNT a 5200MHz Ant2



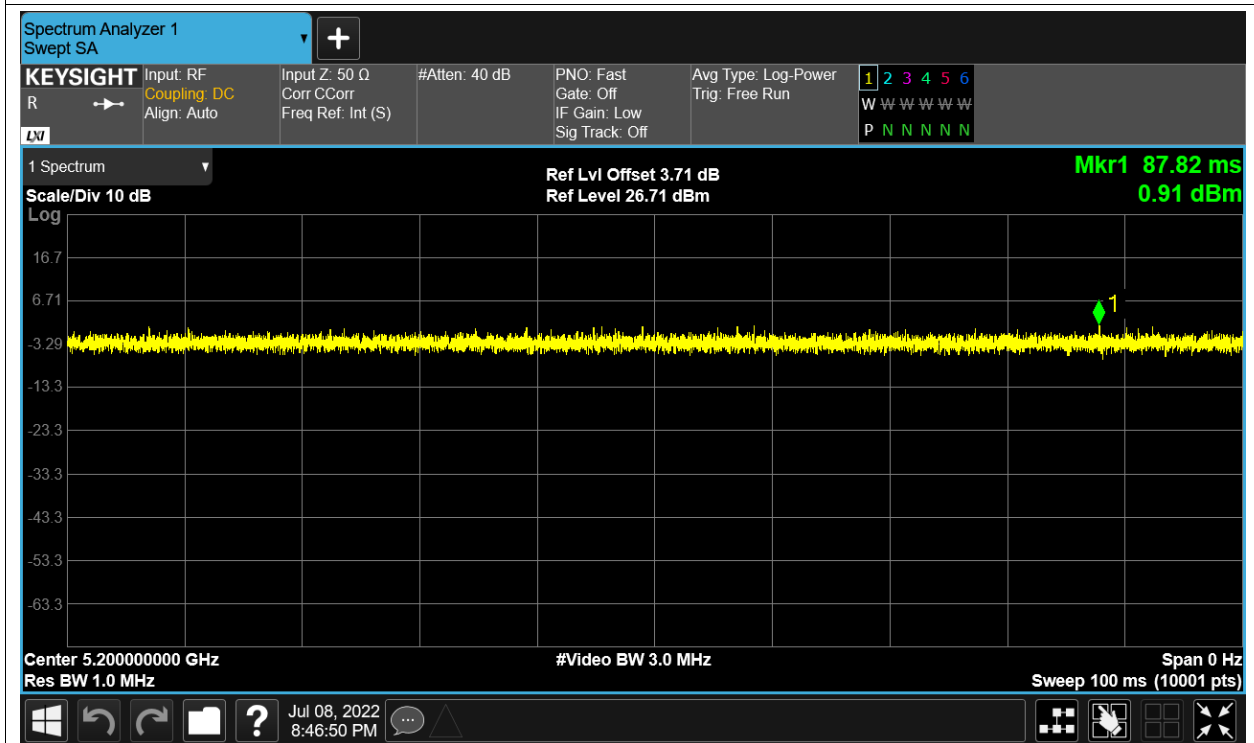
Duty Cycle NVNT a 5240MHz Ant2



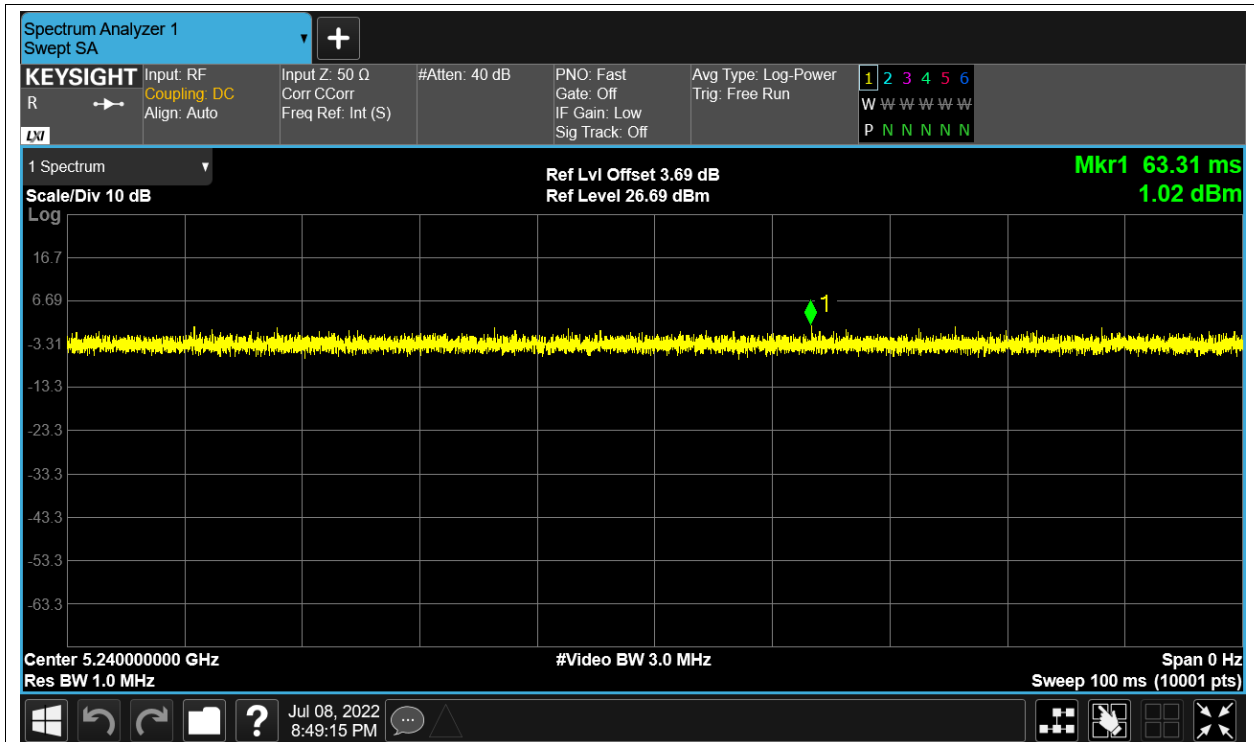
Duty Cycle NVNT ac20 5180MHz Sum



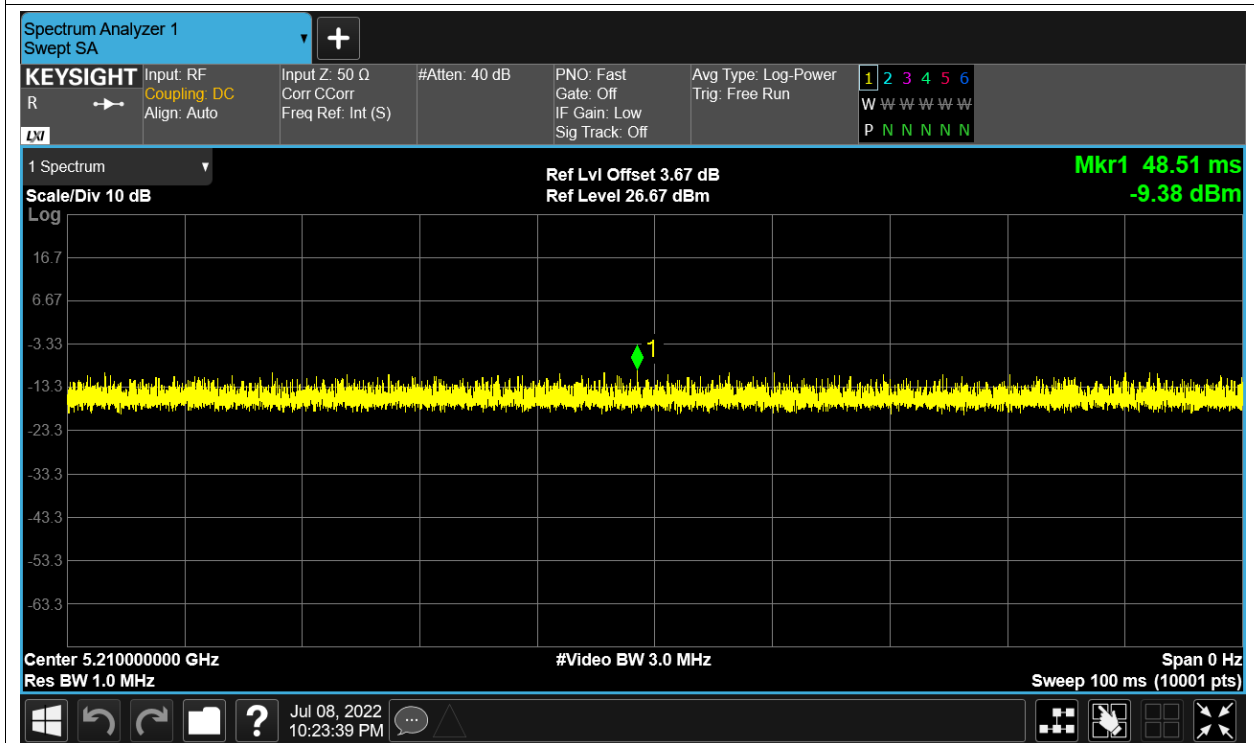
Duty Cycle NVNT ac20 5200MHz Sum



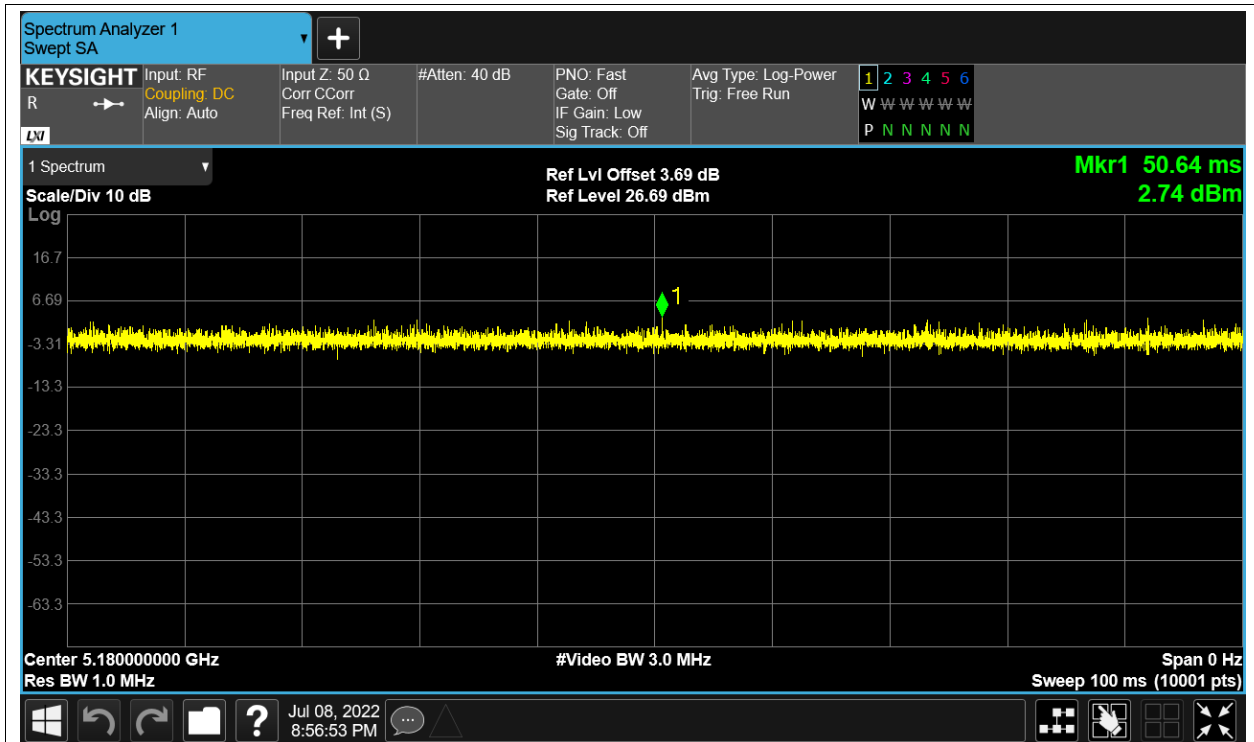
Duty Cycle NVNT ac20 5240MHz Sum



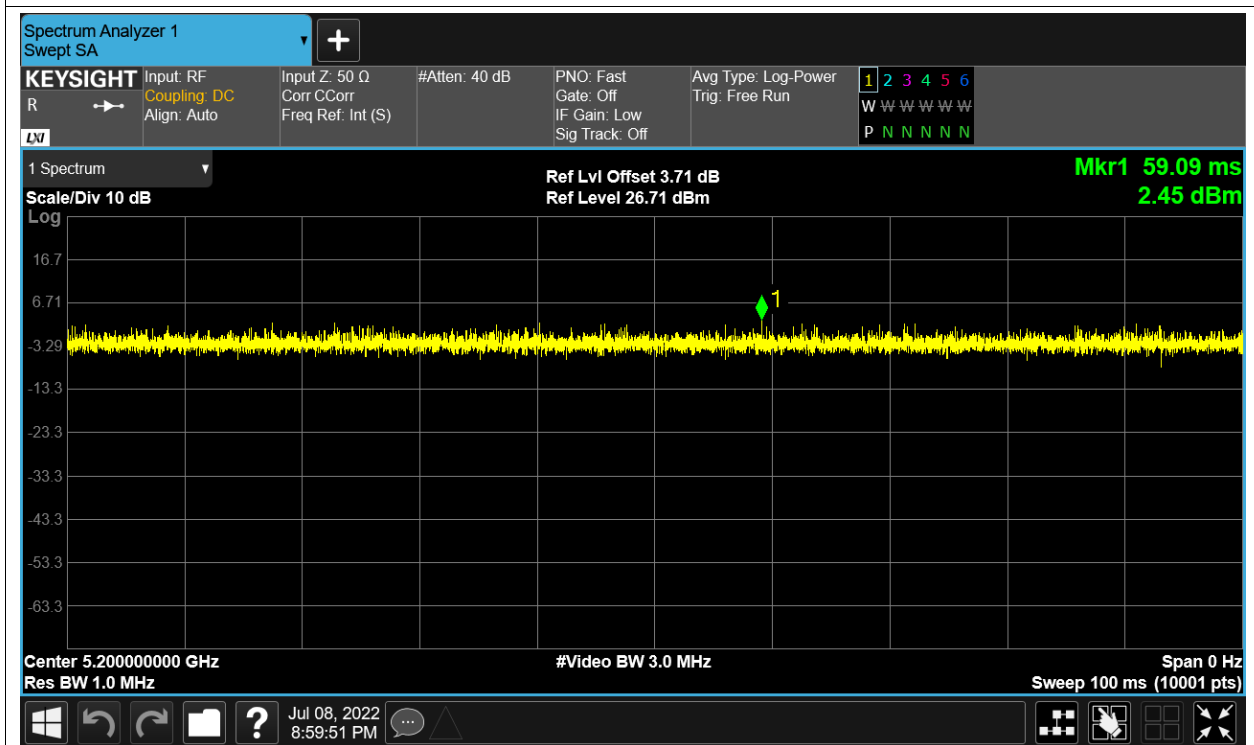
Duty Cycle NVNT ac80 5210MHz Sum



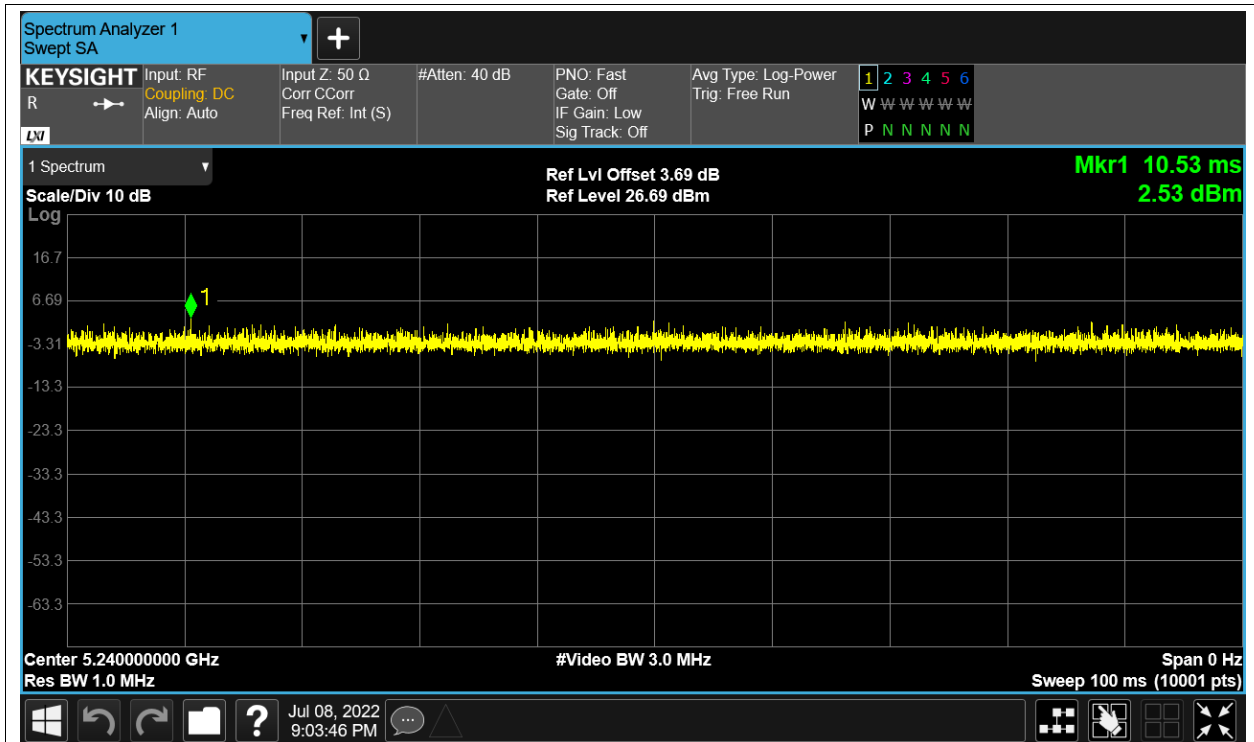
Duty Cycle NVNT ax20 5180MHz Sum



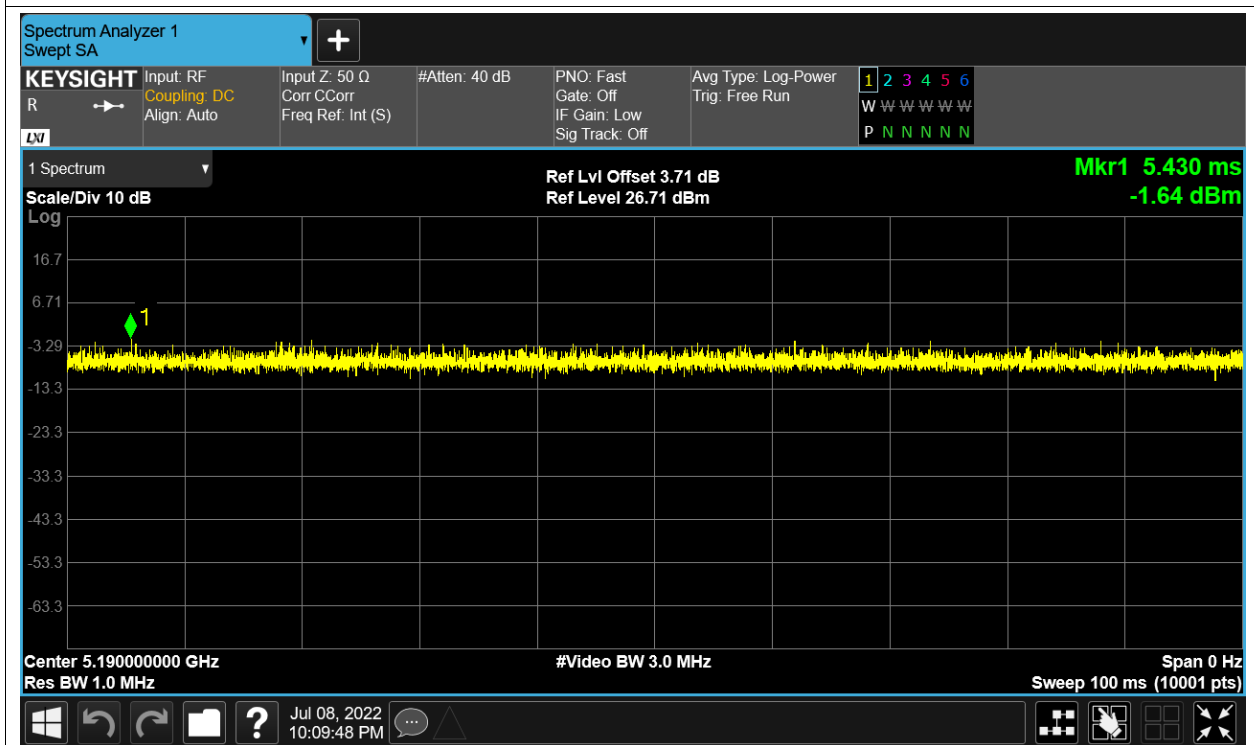
Duty Cycle NVNT ax20 5200MHz Sum



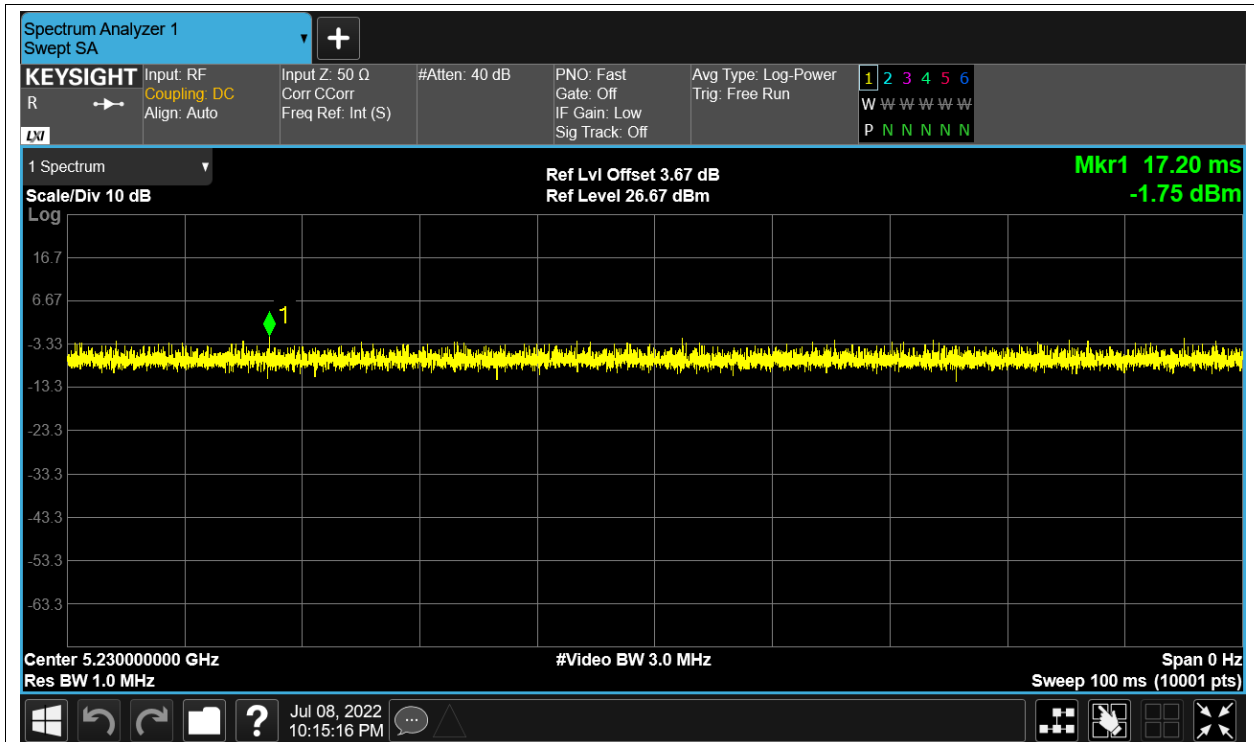
Duty Cycle NVNT ax20 5240MHz Sum



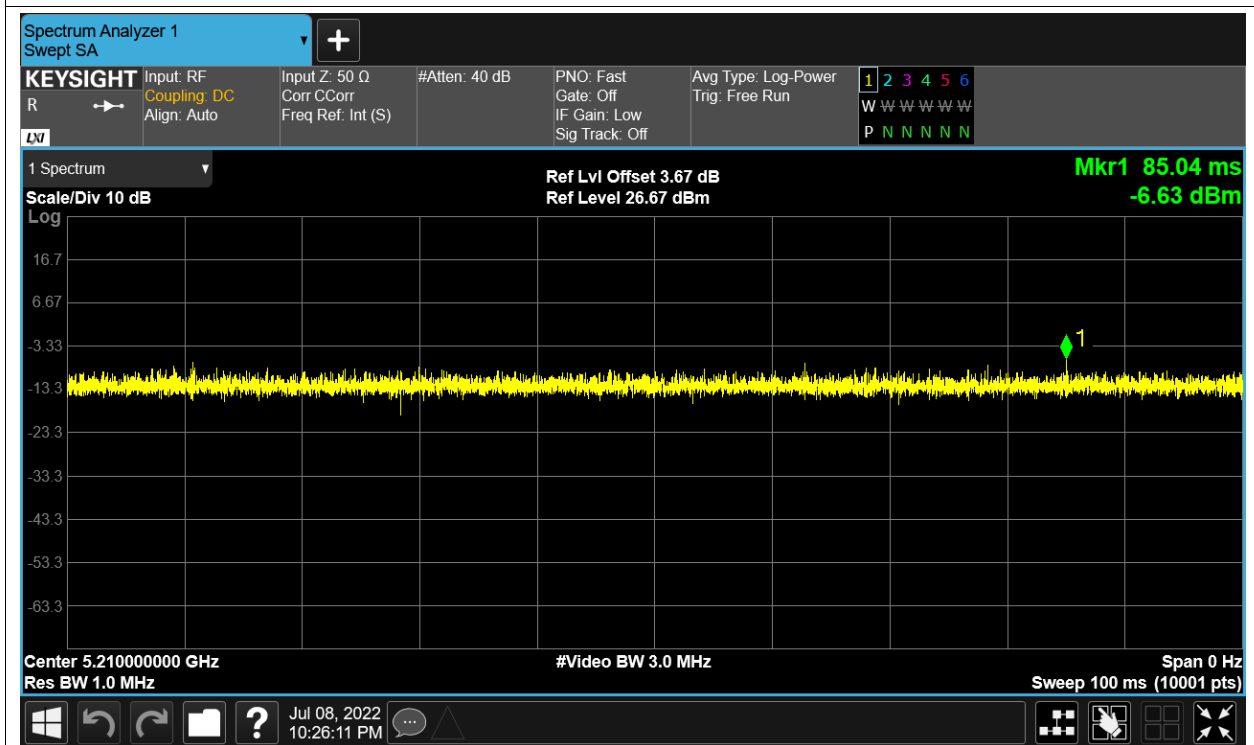
Duty Cycle NVNT ax40 5190MHz Sum



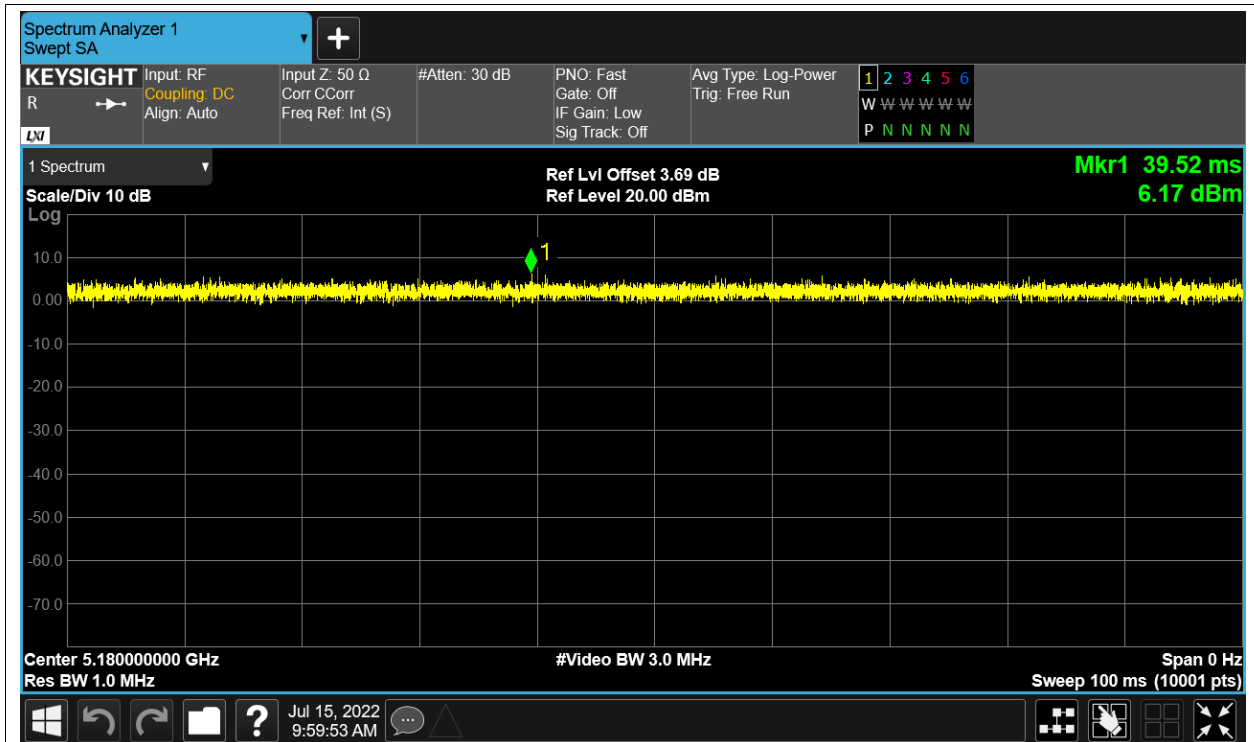
Duty Cycle NVNT ax40 5230MHz Sum



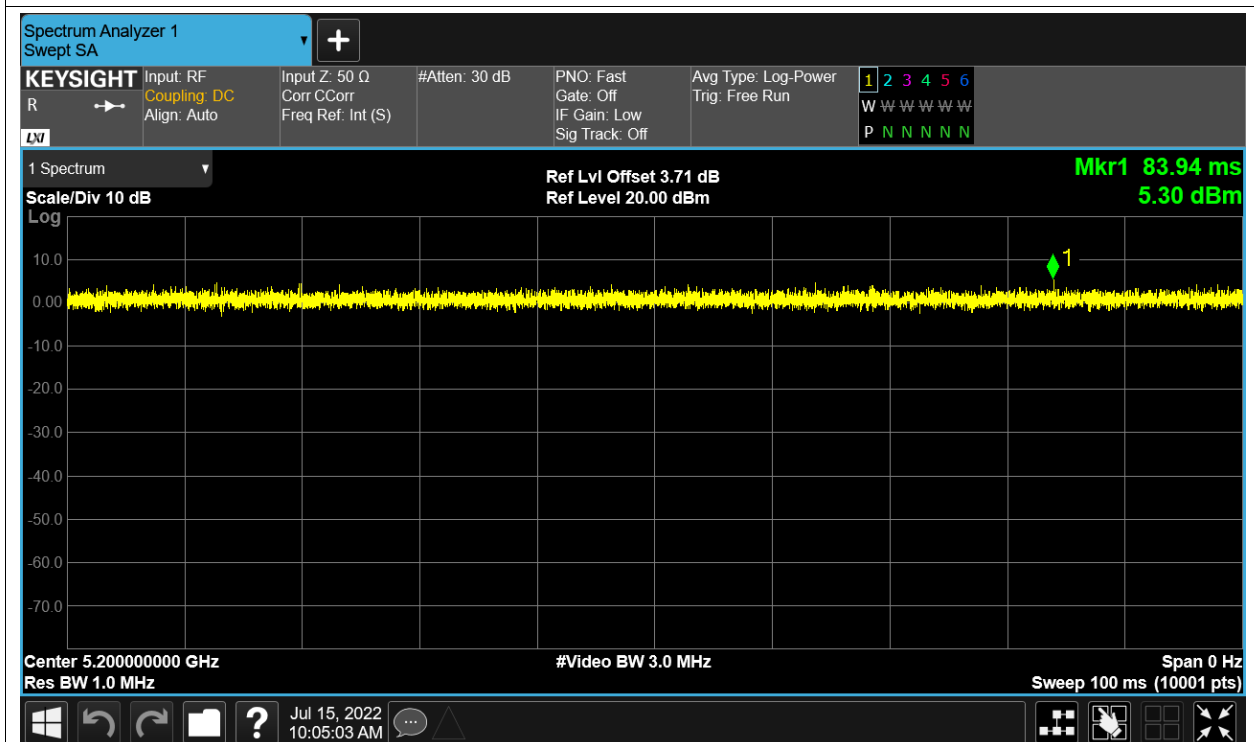
Duty Cycle NVNT ax80 5210MHz Sum



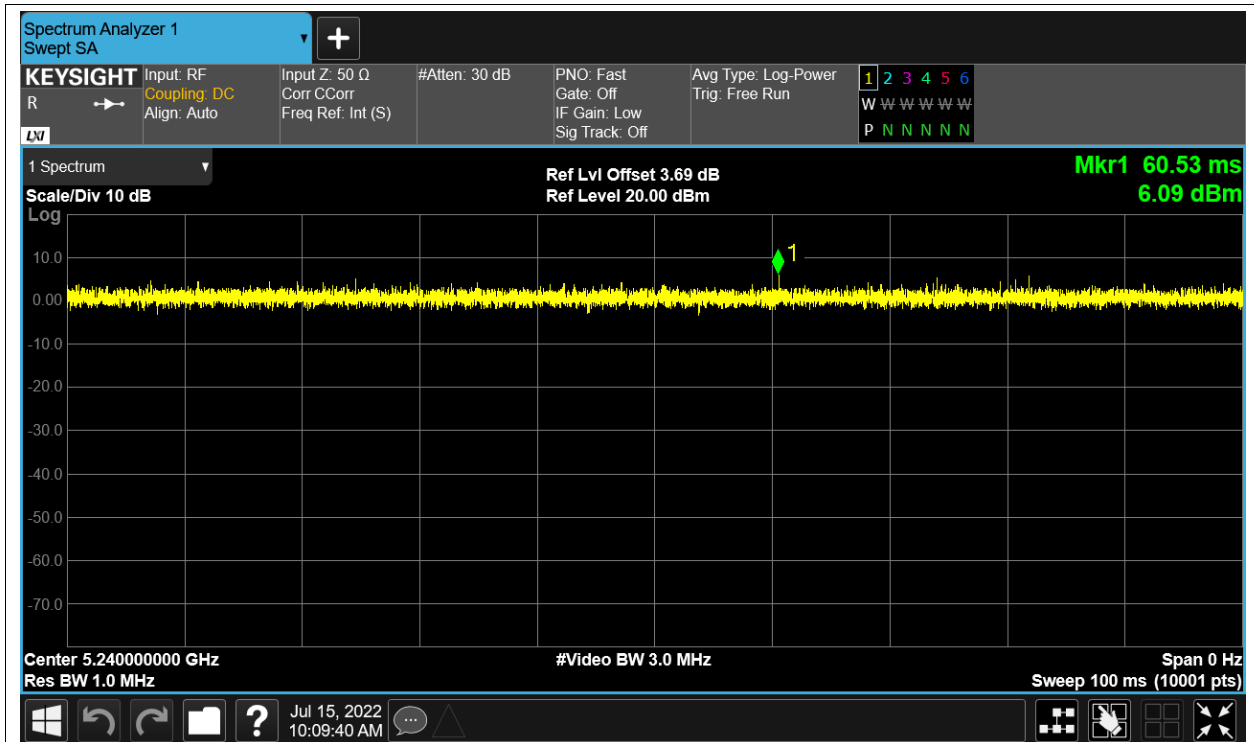
Duty Cycle NVNT n20 5180MHz Sum



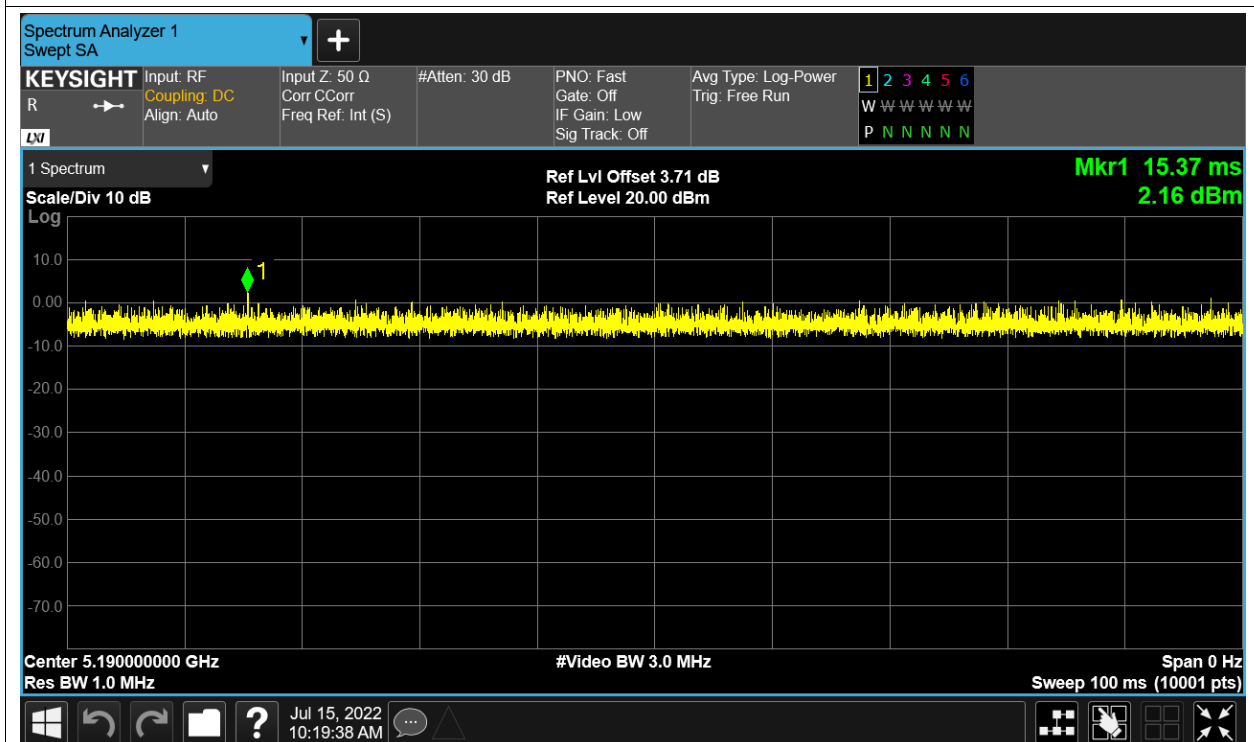
Duty Cycle NVNT n20 5200MHz Sum



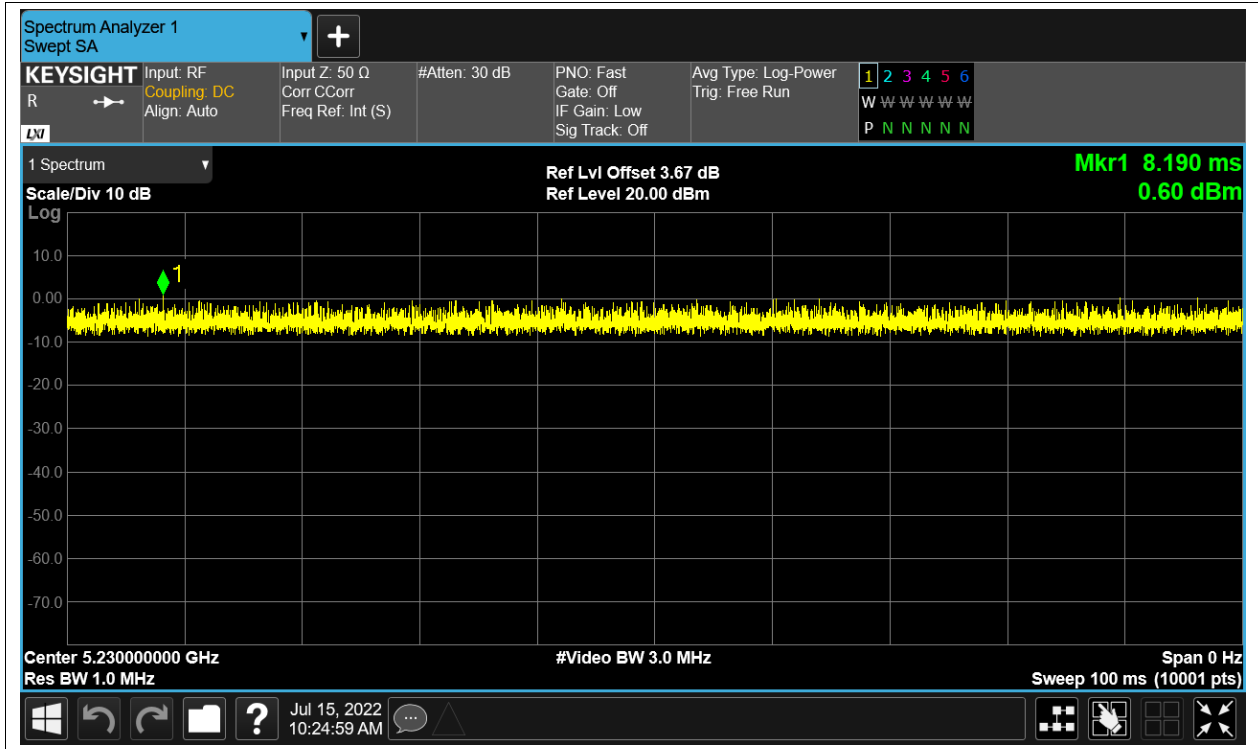
Duty Cycle NVNT n20 5240MHz Sum



Duty Cycle NVNT n40 5190MHz Sum



Duty Cycle NVNT n40 5230MHz Sum



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.03	0	13.03	24	Pass
NVNT	a	5200	Ant1	12.64	0	12.64	24	Pass
NVNT	a	5240	Ant1	12.94	0	12.94	24	Pass
NVNT	a	5180	Ant2	13.21	0	13.21	24	Pass
NVNT	a	5200	Ant2	12.2	0	12.2	24	Pass
NVNT	a	5240	Ant2	11.91	0	11.91	24	Pass
NVNT	ac20	5180	Ant1	12.28	0	12.28	24	Pass
NVNT	ac20	5180	Ant2	11.14	0	11.14	24	Pass
NVNT	ac20	5180	Sum	14.758	0	14.758	24	Pass
NVNT	ac20	5200	Ant1	11.81	0	11.81	24	Pass
NVNT	ac20	5200	Ant2	10.82	0	10.82	24	Pass
NVNT	ac20	5200	Sum	14.353	0	14.353	24	Pass
NVNT	ac20	5240	Ant1	11.99	0	11.99	24	Pass
NVNT	ac20	5240	Ant2	10.9	0	10.9	24	Pass
NVNT	ac20	5240	Sum	14.489	0	14.489	24	Pass
NVNT	ac40	5190	Ant1	11.81	0	11.81	24	Pass
NVNT	ac40	5190	Ant2	11.36	0	11.36	24	Pass
NVNT	ac40	5190	Sum	14.601	0	14.601	24	Pass
NVNT	ac40	5230	Ant1	11.34	0	11.34	24	Pass
NVNT	ac40	5230	Ant2	11.1	0	11.1	24	Pass
NVNT	ac40	5230	Sum	14.232	0	14.232	24	Pass
NVNT	ac80	5210	Ant1	11.26	0	11.26	24	Pass
NVNT	ac80	5210	Ant2	11.43	0	11.43	24	Pass
NVNT	ac80	5210	Sum	14.356	0	14.356	24	Pass
NVNT	ax20	5180	Ant1	12.46	0	12.46	24	Pass
NVNT	ax20	5180	Ant2	10.85	0	10.85	24	Pass
NVNT	ax20	5180	Sum	14.739	0	14.739	24	Pass
NVNT	ax20	5200	Ant1	11.85	0	11.85	24	Pass
NVNT	ax20	5200	Ant2	10.93	0	10.93	24	Pass
NVNT	ax20	5200	Sum	14.425	0	14.425	24	Pass
NVNT	ax20	5240	Ant1	11.96	0	11.96	24	Pass
NVNT	ax20	5240	Ant2	11.05	0	11.05	24	Pass
NVNT	ax20	5240	Sum	14.539	0	14.539	24	Pass
NVNT	ax40	5190	Ant1	12.27	0	12.27	24	Pass
NVNT	ax40	5190	Ant2	12.36	0	12.36	24	Pass
NVNT	ax40	5190	Sum	15.326	0	15.326	24	Pass
NVNT	ax40	5230	Ant1	11.52	0	11.52	24	Pass
NVNT	ax40	5230	Ant2	11.91	0	11.91	24	Pass
NVNT	ax40	5230	Sum	14.73	0	14.73	24	Pass
NVNT	ax80	5210	Ant1	9.88	0	9.88	24	Pass

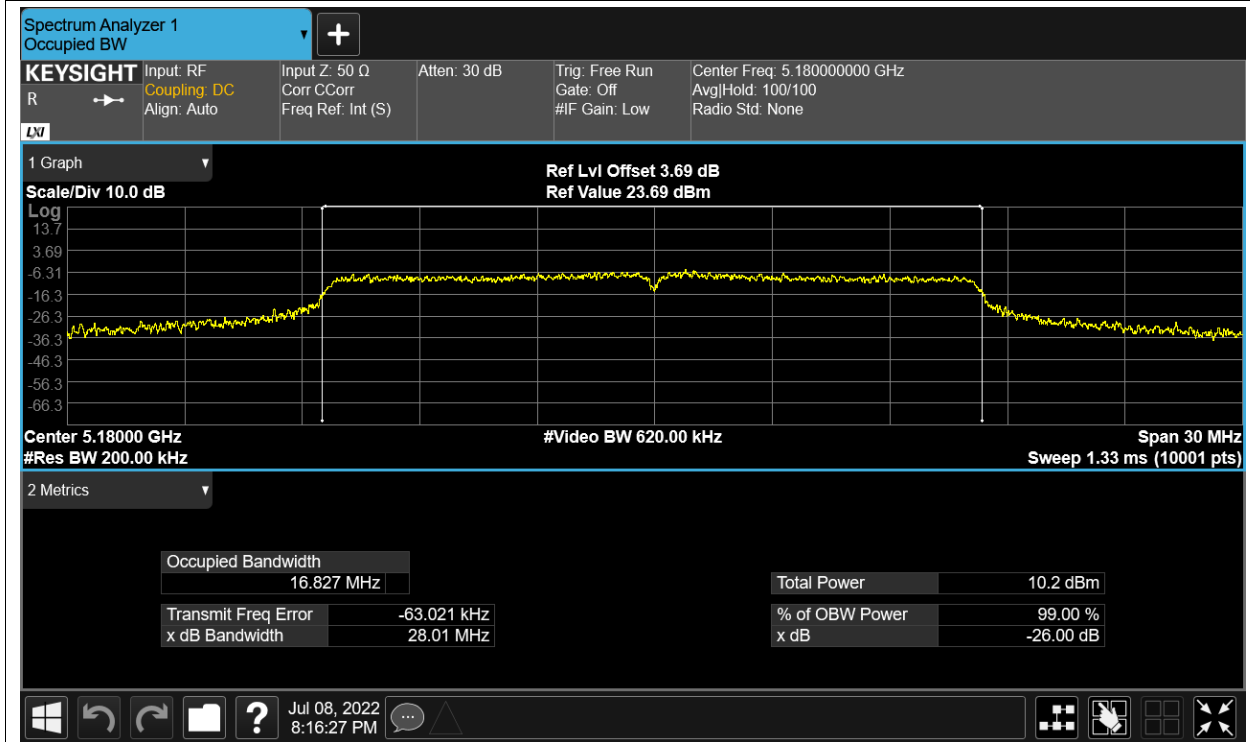
NVNT	ax80	5210	Ant2	9.54	0	9.54	24	Pass
NVNT	ax80	5210	Sum	12.724	0	12.724	24	Pass
NVNT	n20	5180	Ant1	12.42	0	12.42	24	Pass
NVNT	n20	5180	Ant2	12.96	0	12.96	24	Pass
NVNT	n20	5180	Sum	15.709	0	15.709	24	Pass
NVNT	n20	5200	Ant1	11.71	0	11.71	24	Pass
NVNT	n20	5200	Ant2	12.02	0	12.02	24	Pass
NVNT	n20	5200	Sum	14.878	0	14.878	24	Pass
NVNT	n20	5240	Ant1	10.93	0	10.93	24	Pass
NVNT	n20	5240	Ant2	12.7	0	12.7	24	Pass
NVNT	n20	5240	Sum	14.915	0	14.915	24	Pass
NVNT	n40	5190	Ant1	12.06	0	12.06	24	Pass
NVNT	n40	5190	Ant2	12.62	0	12.62	24	Pass
NVNT	n40	5190	Sum	15.359	0	15.359	24	Pass
NVNT	n40	5230	Ant1	11.24	0	11.24	24	Pass
NVNT	n40	5230	Ant2	12.66	0	12.66	24	Pass
NVNT	n40	5230	Sum	15.018	0	15.018	24	Pass

Occupied Channel Bandwidth

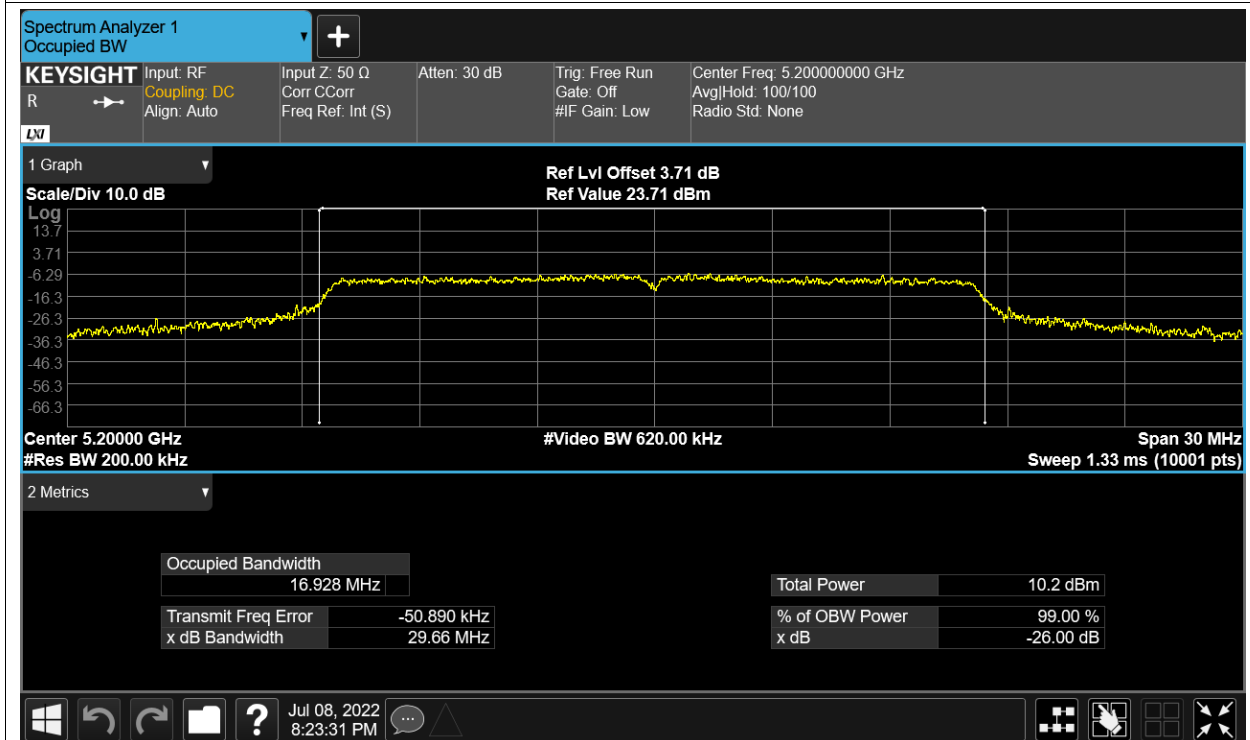
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.82704651
NVNT	a	5200	Ant1	16.92777612
NVNT	a	5240	Ant1	17.17071224
NVNT	a	5180	Ant2	16.64209434
NVNT	a	5200	Ant2	16.62372857
NVNT	a	5240	Ant2	16.63744074
NVNT	ac20	5180	Ant1	17.9725009
NVNT	ac20	5180	Ant2	17.77688503
NVNT	ac20	5200	Ant1	18.07883984
NVNT	ac20	5200	Ant2	17.81233291
NVNT	ac20	5240	Ant1	18.15314961
NVNT	ac20	5240	Ant2	17.82219814
NVNT	ac40	5190	Ant1	36.07206108
NVNT	ac40	5190	Ant2	36.09269322
NVNT	ac40	5230	Ant1	36.05574591
NVNT	ac40	5230	Ant2	36.11604071
NVNT	ac80	5210	Ant1	75.65801697
NVNT	ac80	5210	Ant2	75.76585658
NVNT	ax20	5180	Ant1	19.04618446
NVNT	ax20	5180	Ant2	19.06147275
NVNT	ax20	5200	Ant1	19.03874794
NVNT	ax20	5200	Ant2	18.98296466
NVNT	ax20	5240	Ant1	19.05495564
NVNT	ax20	5240	Ant2	19.03433794
NVNT	ax40	5190	Ant1	37.56396358
NVNT	ax40	5190	Ant2	37.5893111
NVNT	ax40	5230	Ant1	37.57771449
NVNT	ax40	5230	Ant2	37.5584415
NVNT	ax80	5210	Ant1	77.3552563
NVNT	ax80	5210	Ant2	77.34238884
NVNT	n20	5180	Ant1	17.65212164
NVNT	n20	5180	Ant2	17.62503734
NVNT	n20	5200	Ant1	17.61480143
NVNT	n20	5200	Ant2	17.60146366
NVNT	n20	5240	Ant1	17.59570012
NVNT	n20	5240	Ant2	17.56785155
NVNT	n40	5190	Ant1	36.08545042
NVNT	n40	5190	Ant2	36.09788516
NVNT	n40	5230	Ant1	36.04594375
NVNT	n40	5230	Ant2	36.08580915

Test Graphs

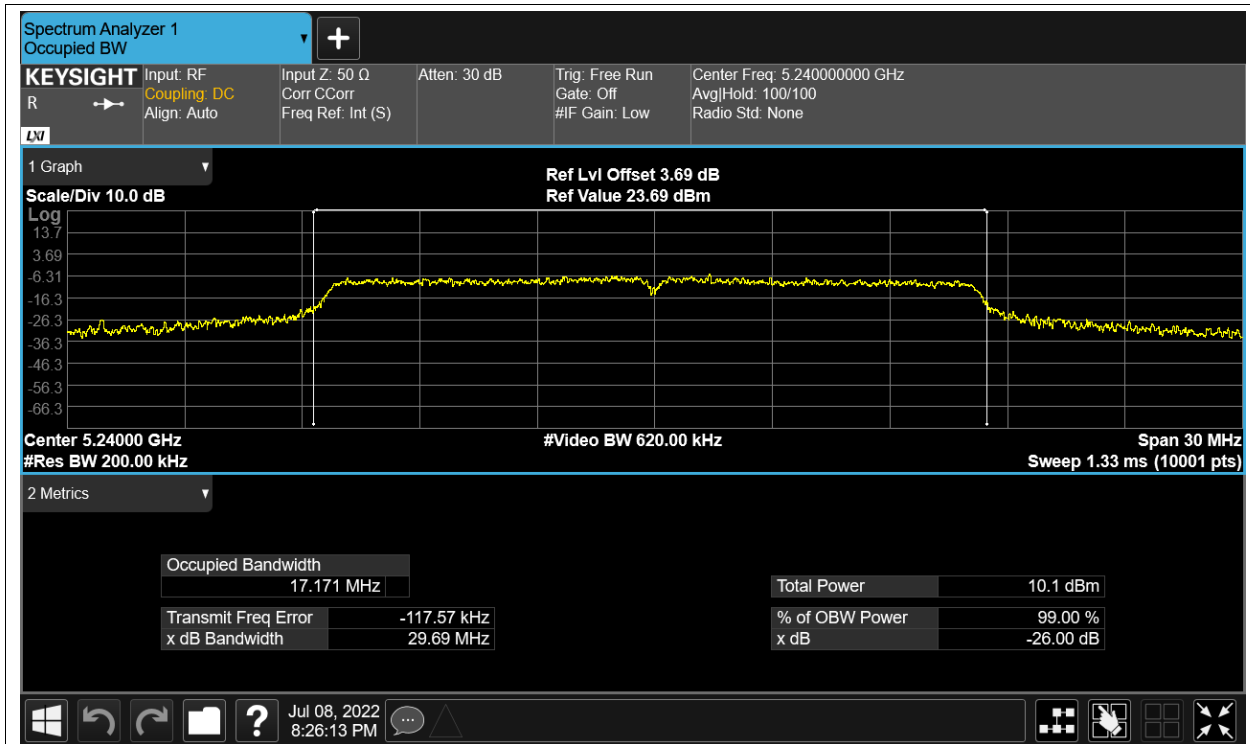
OBW NVNT a 5180MHz Ant1



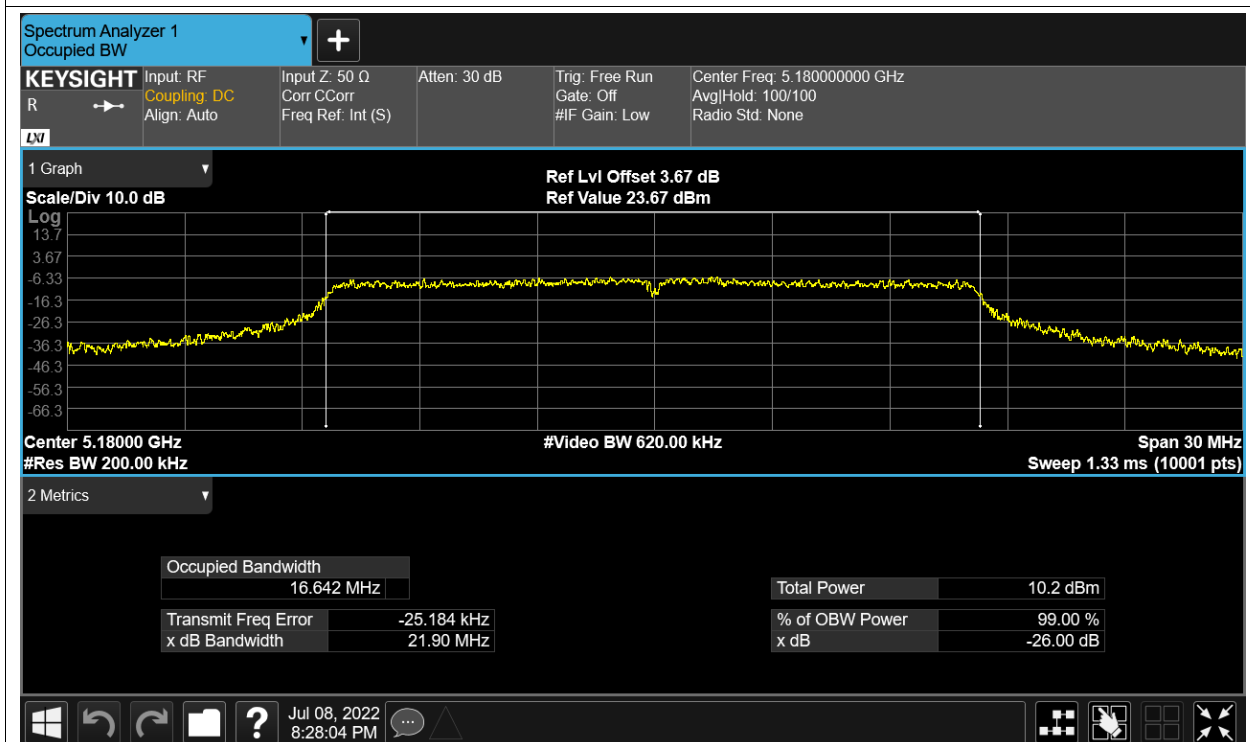
OBW NVNT a 5200MHz Ant1



OBW NVNT a 5240MHz Ant1



OBW NVNT a 5180MHz Ant2



OBW NVNT a 5200MHz Ant2