

Test Data

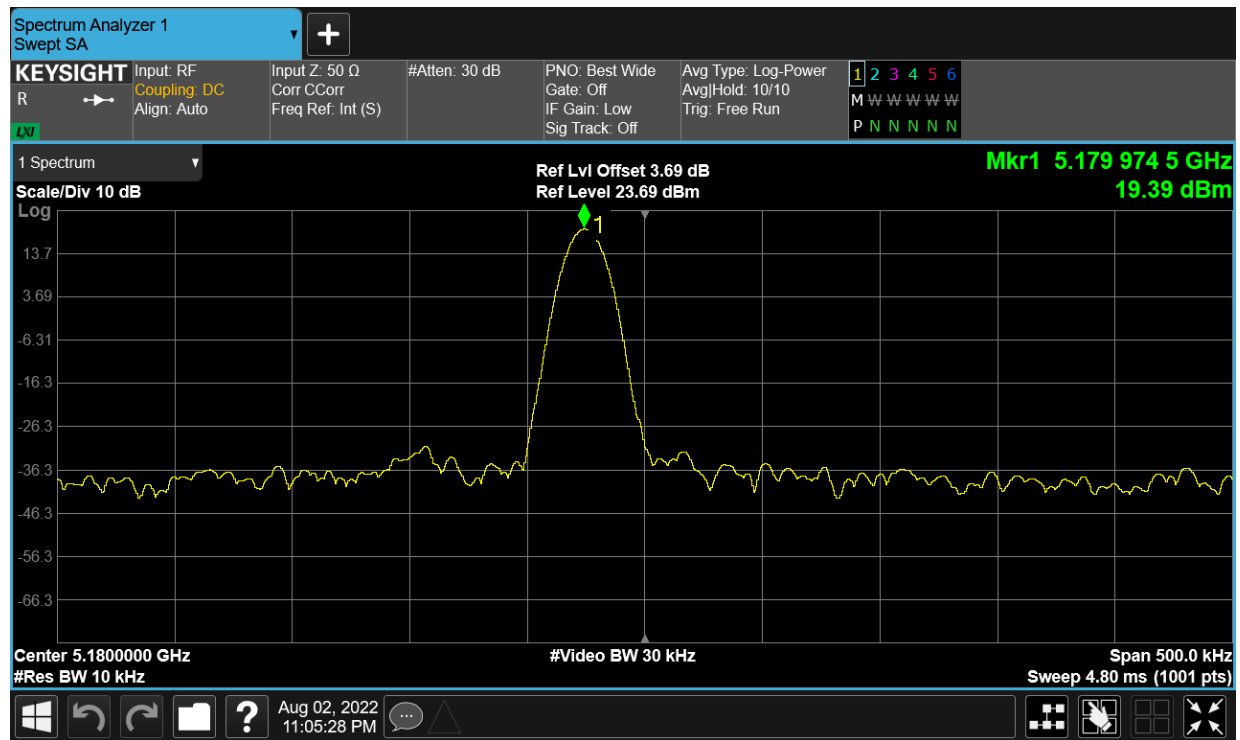
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9745	-4.92	Within authorized band	Pass
HVNT	a	5180	Ant2	5179.9765	-4.54		Pass
LVNT	a	5180	Ant1	5179.974	-5.02		Pass
LVNT	a	5180	Ant2	5179.976	-4.63		Pass
NVHT	a	5180	Ant1	5179.974	-5.02		Pass
NVHT	a	5180	Ant2	5179.976	-4.63		Pass
NVLT	a	5180	Ant1	5179.9735	-5.12		Pass
NVLT	a	5180	Ant2	5179.976	-4.63		Pass
NVNT	a	5180	Ant1	5179.973	-5.21		Pass
NVNT	a	5180	Ant2	5179.976	-4.63		Pass
HVNT	ax20	5180	Sum	5179.9745	-4.92		Pass
LVNT	ax20	5180	Sum	5179.974	-5.02		Pass
NVHT	ax20	5180	Sum	5179.974	-5.02		Pass
NVLT	ax20	5180	Sum	5179.9735	-5.12		Pass
NVNT	ax20	5180	Sum	5179.9735	-5.12		Pass
HVNT	ax40	5190	Sum	5189.9765	-4.53		Pass
LVNT	ax40	5190	Sum	5189.9765	-4.53		Pass
NVHT	ax40	5190	Sum	5189.9765	-4.53		Pass
NVLT	ax40	5190	Sum	5189.9765	-4.53		Pass
NVNT	ax40	5190	Sum	5189.9765	-4.53		Pass
HVNT	ax80	5210	Sum	5209.976	-4.61		Pass
LVNT	ax80	5210	Sum	5209.9755	-4.7		Pass
NVHT	ax80	5210	Sum	5209.975	-4.8		Pass
NVLT	ax80	5210	Sum	5209.974	-4.99		Pass
NVNT	ax80	5210	Sum	5209.9735	-5.09		Pass
HVNT	n20	5180	Sum	5179.9765	-4.54		Pass
LVNT	n20	5180	Sum	5179.9765	-4.54		Pass
NVHT	n20	5180	Sum	5179.976	-4.63		Pass
NVLT	n20	5180	Sum	5179.976	-4.63		Pass
NVNT	n20	5180	Sum	5179.9765	-4.54		Pass
HVNT	n40	5190	Sum	5189.976	-4.62		Pass
LVNT	n40	5190	Sum	5189.9755	-4.72		Pass
NVHT	n40	5190	Sum	5189.975	-4.82		Pass
NVLT	n40	5190	Sum	5189.9745	-4.91		Pass
NVNT	n40	5190	Sum	5189.974	-5.01		Pass

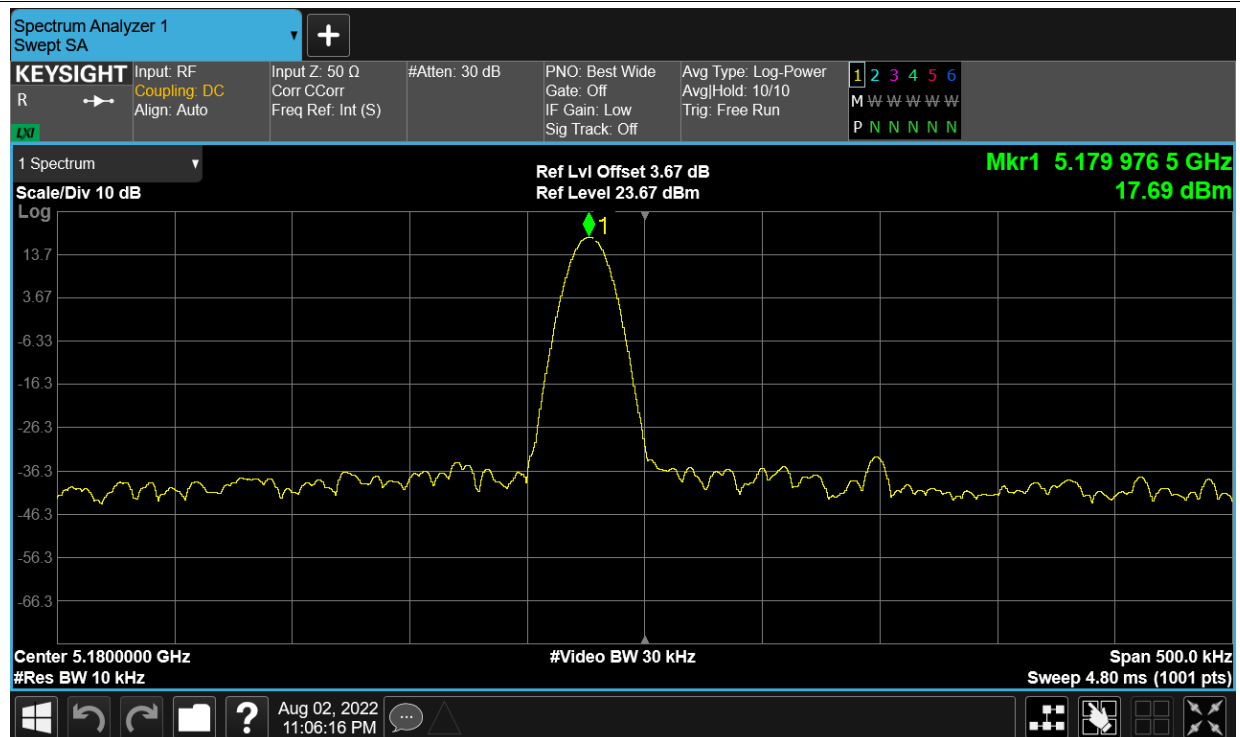
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

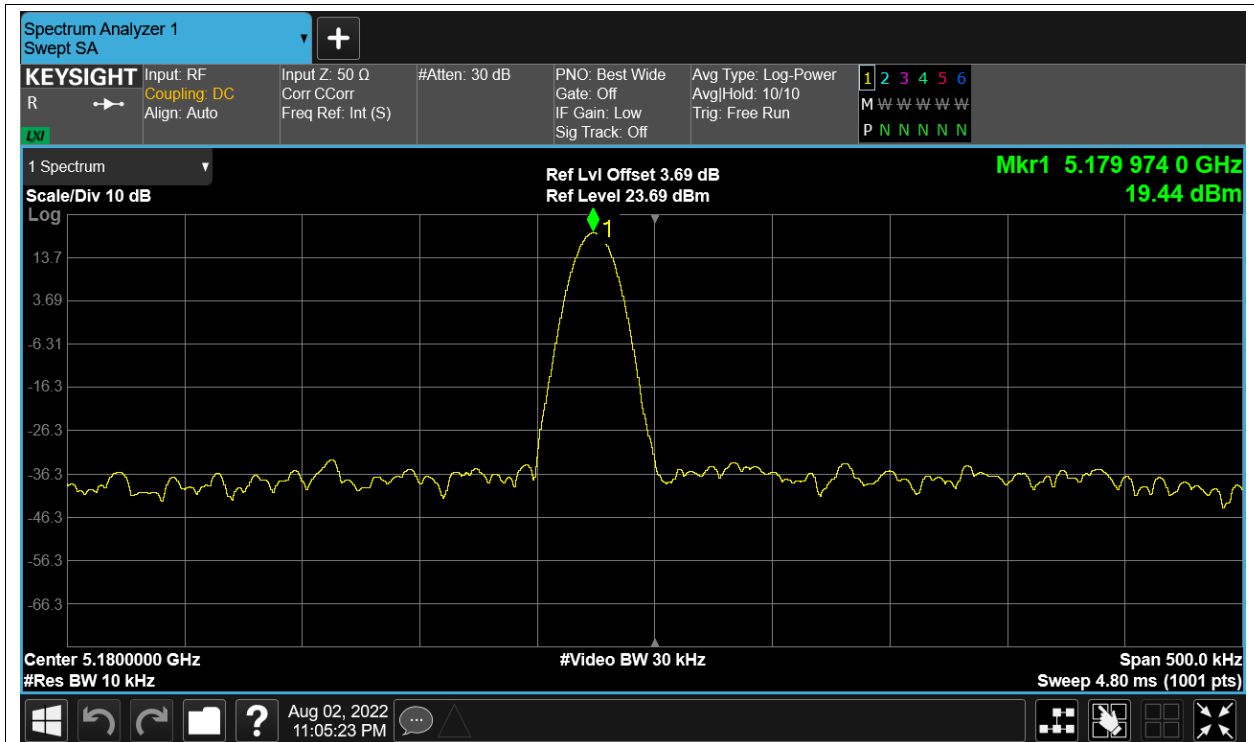
Freq. Stability HVNT a 5180MHz Ant1



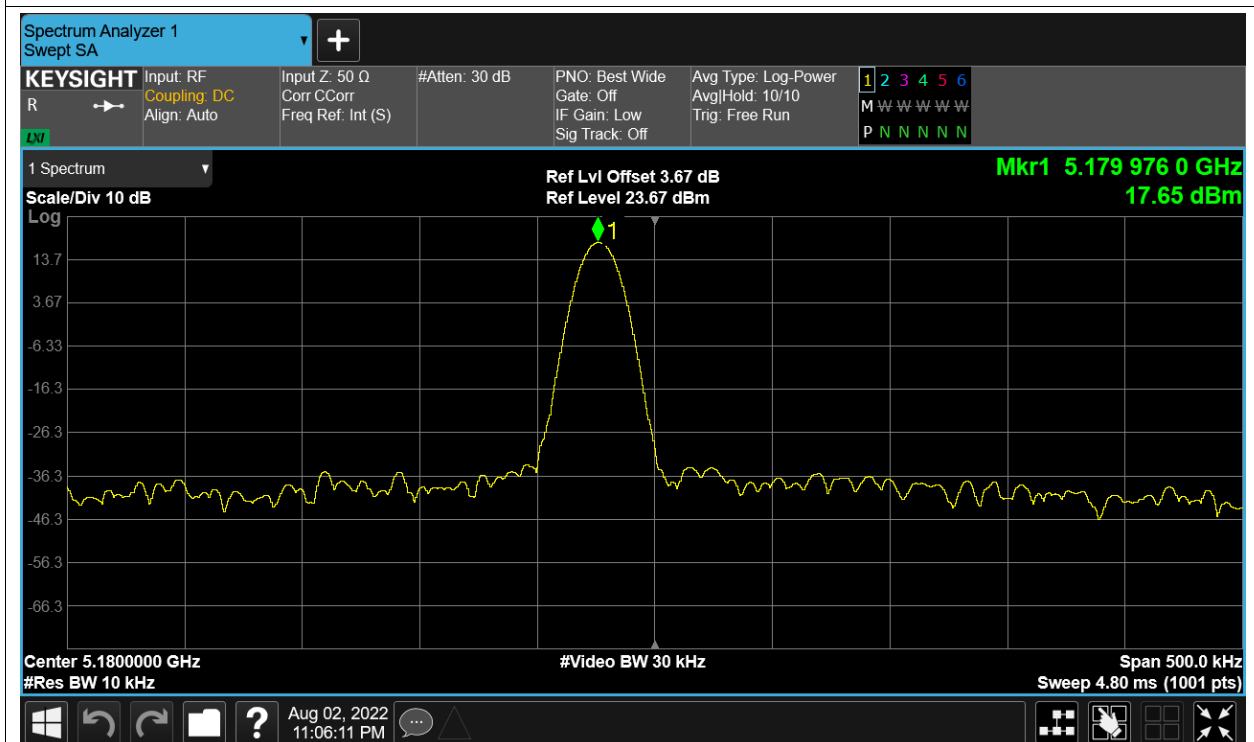
Freq. Stability HVNT a 5180MHz Ant2



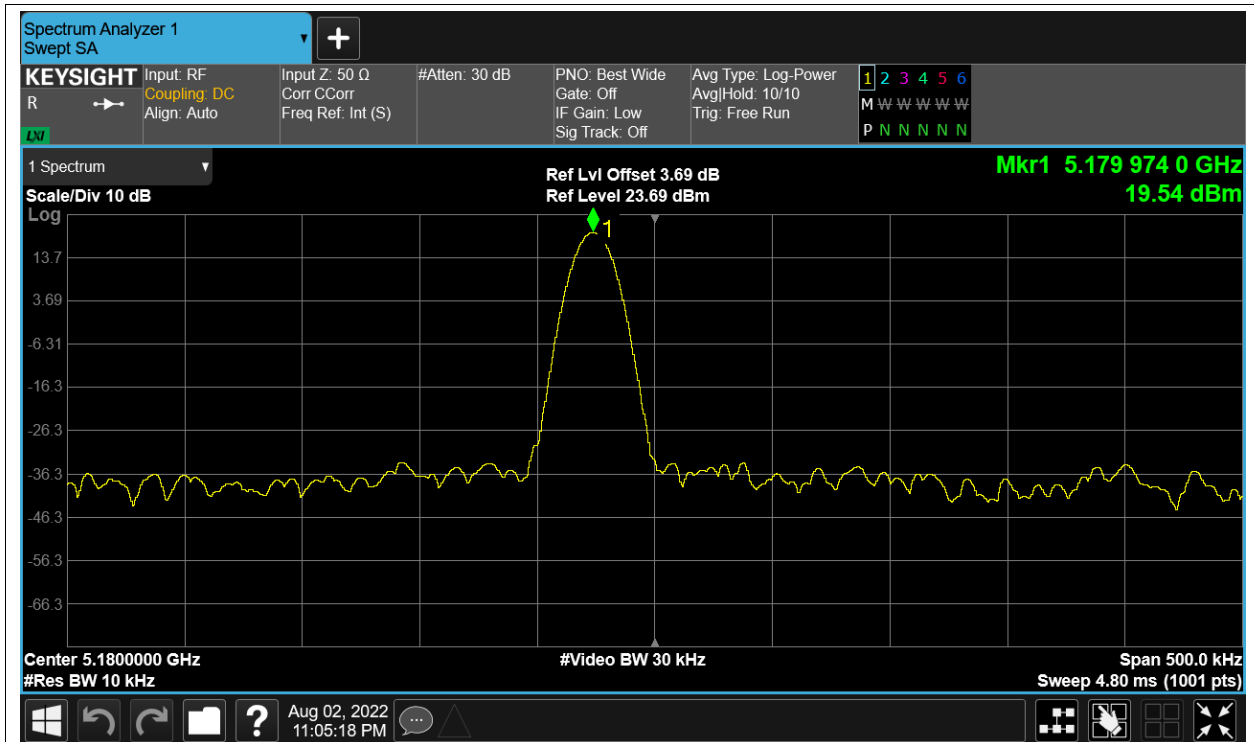
Freq. Stability LVNT a 5180MHz Ant1



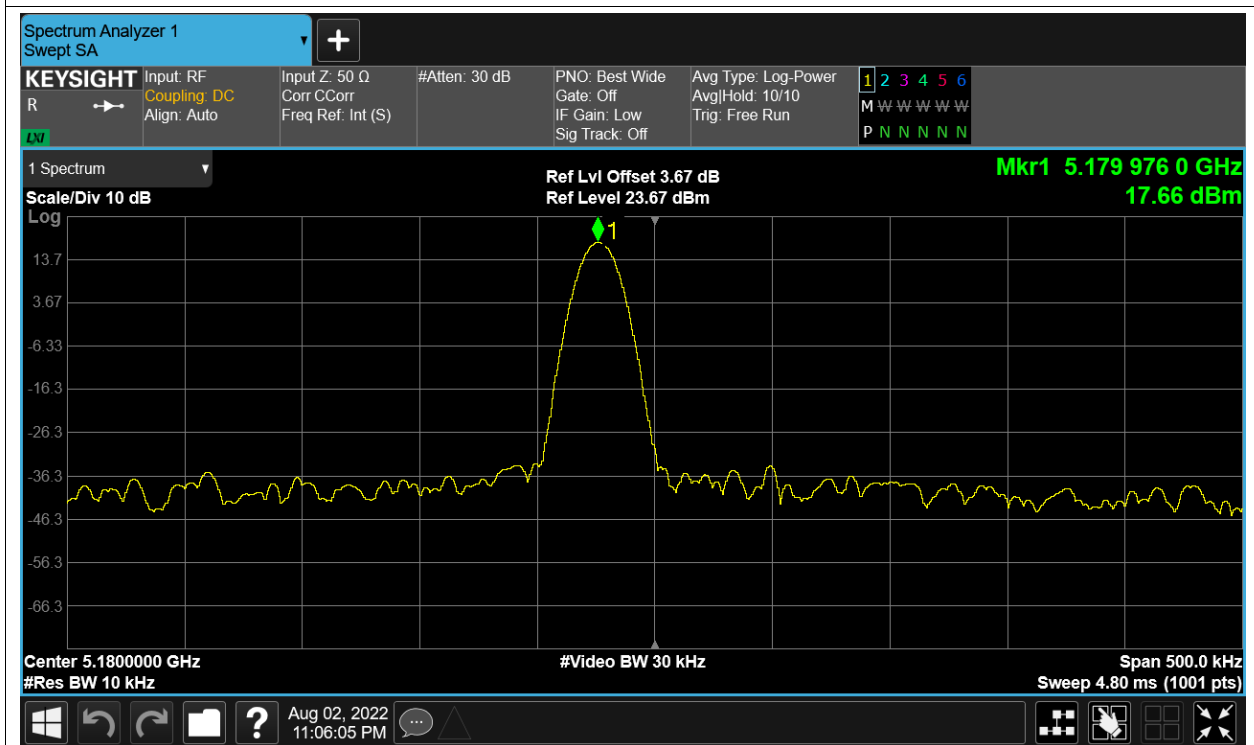
Freq. Stability LVNT a 5180MHz Ant2



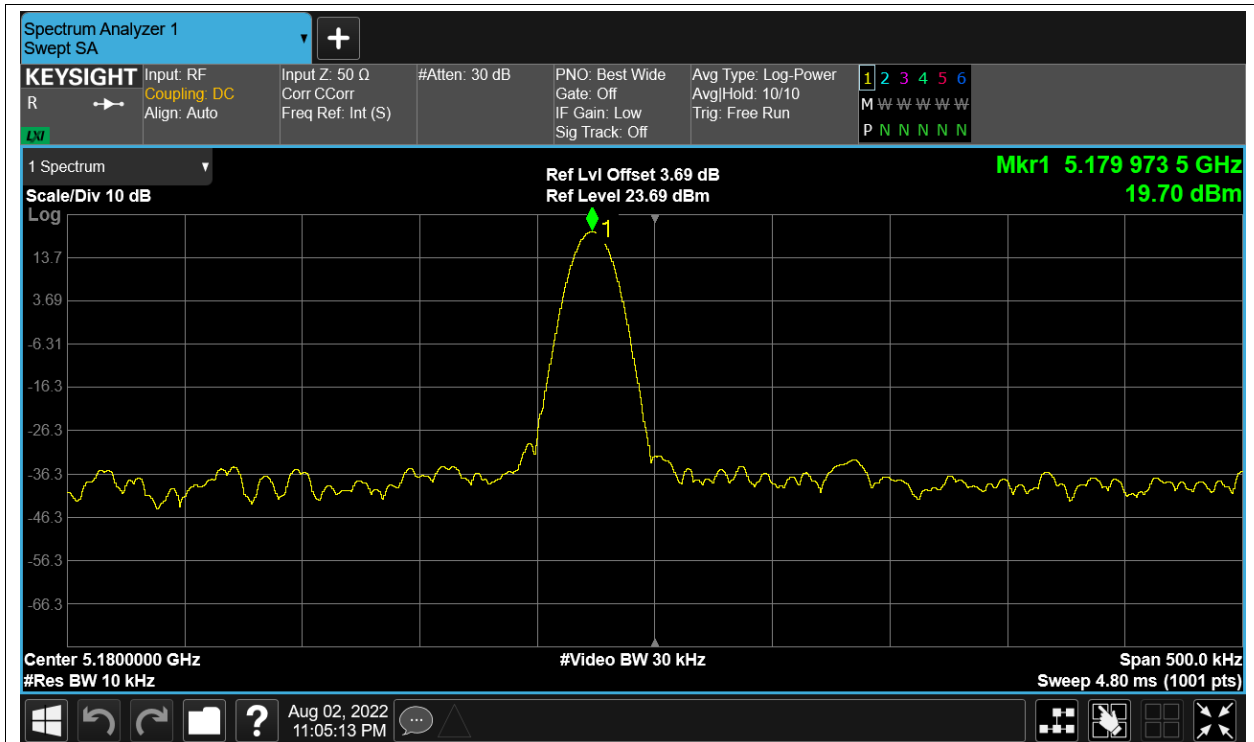
Freq. Stability NVHT a 5180MHz Ant1



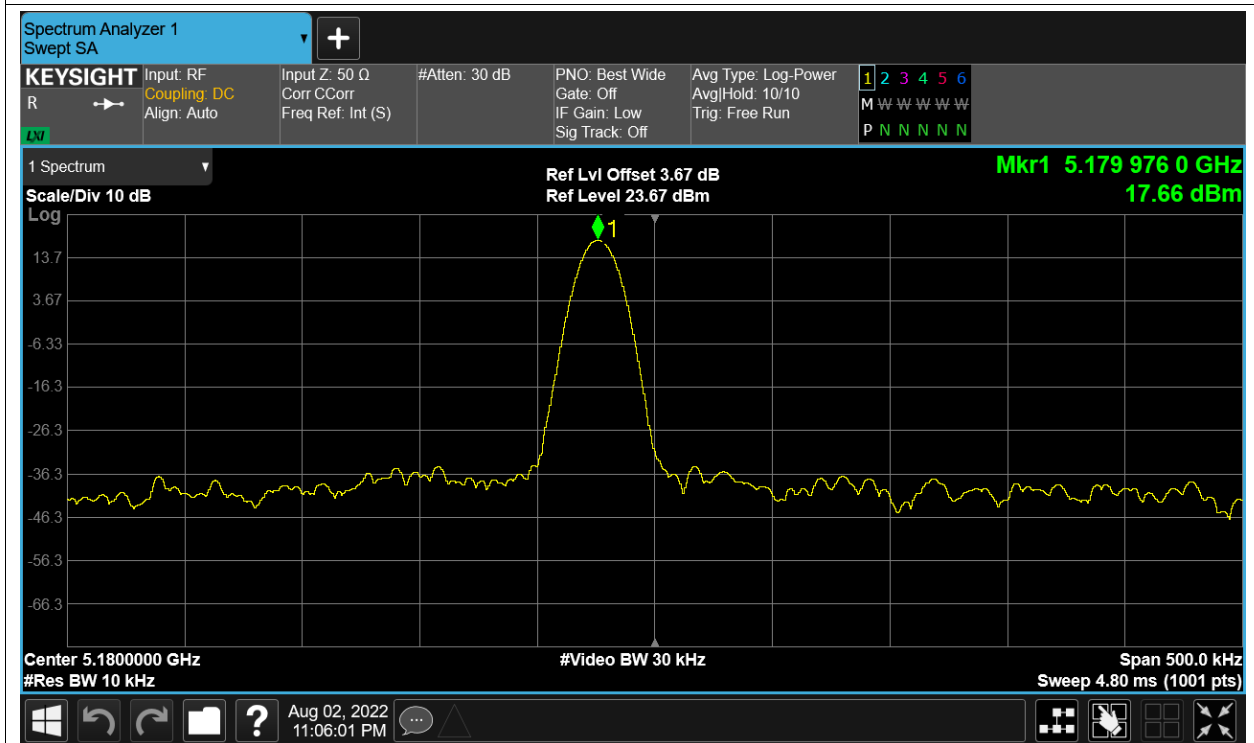
Freq. Stability NVHT a 5180MHz Ant2



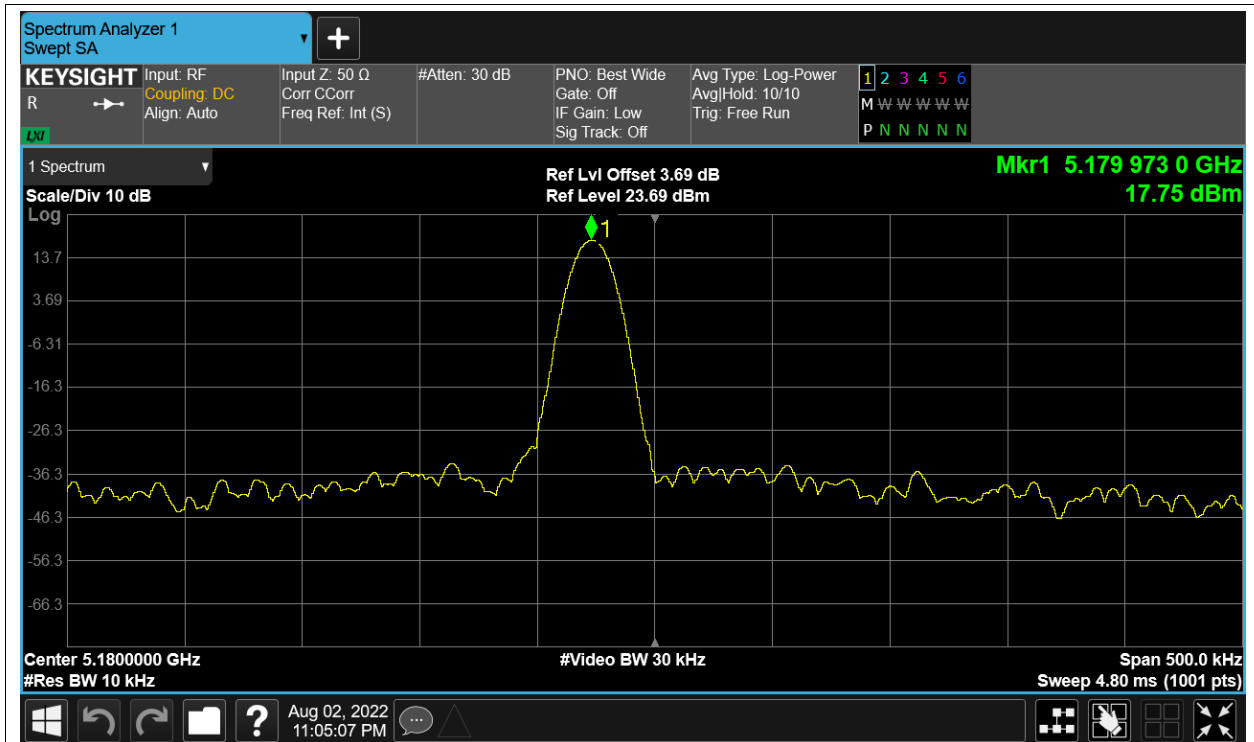
Freq. Stability NVLT a 5180MHz Ant1



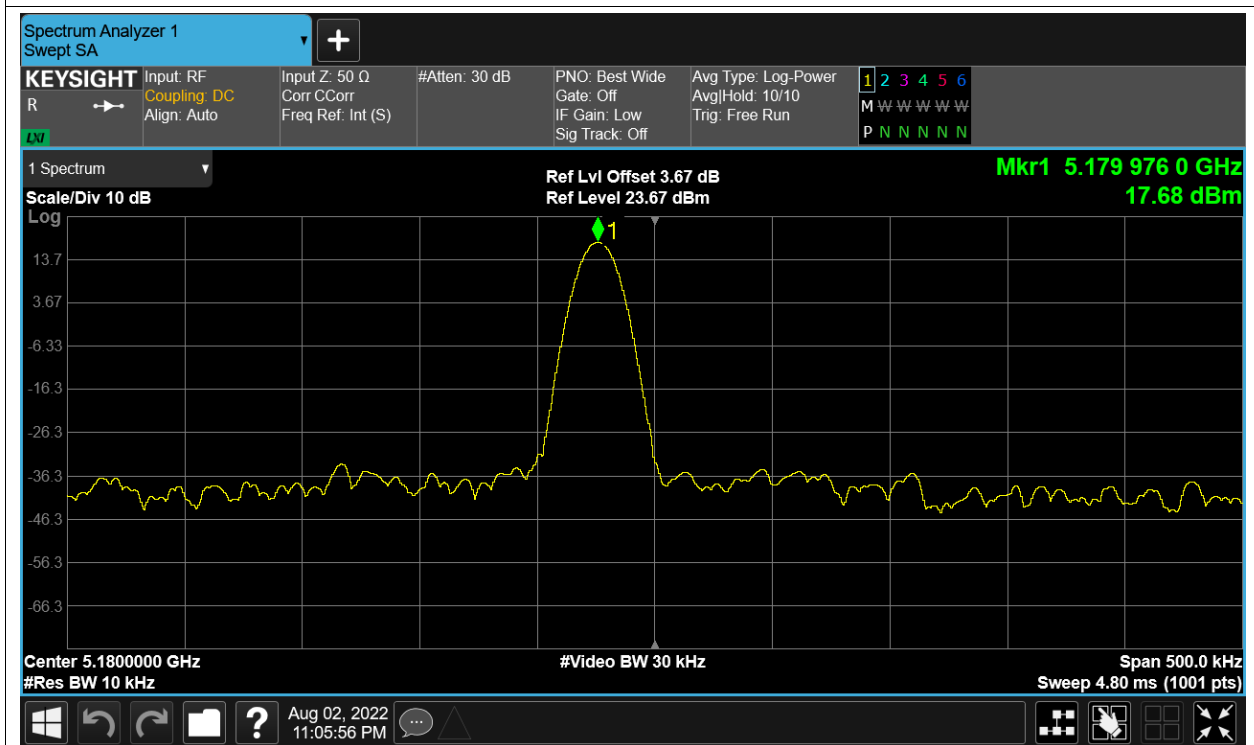
Freq. Stability NVLT a 5180MHz Ant2



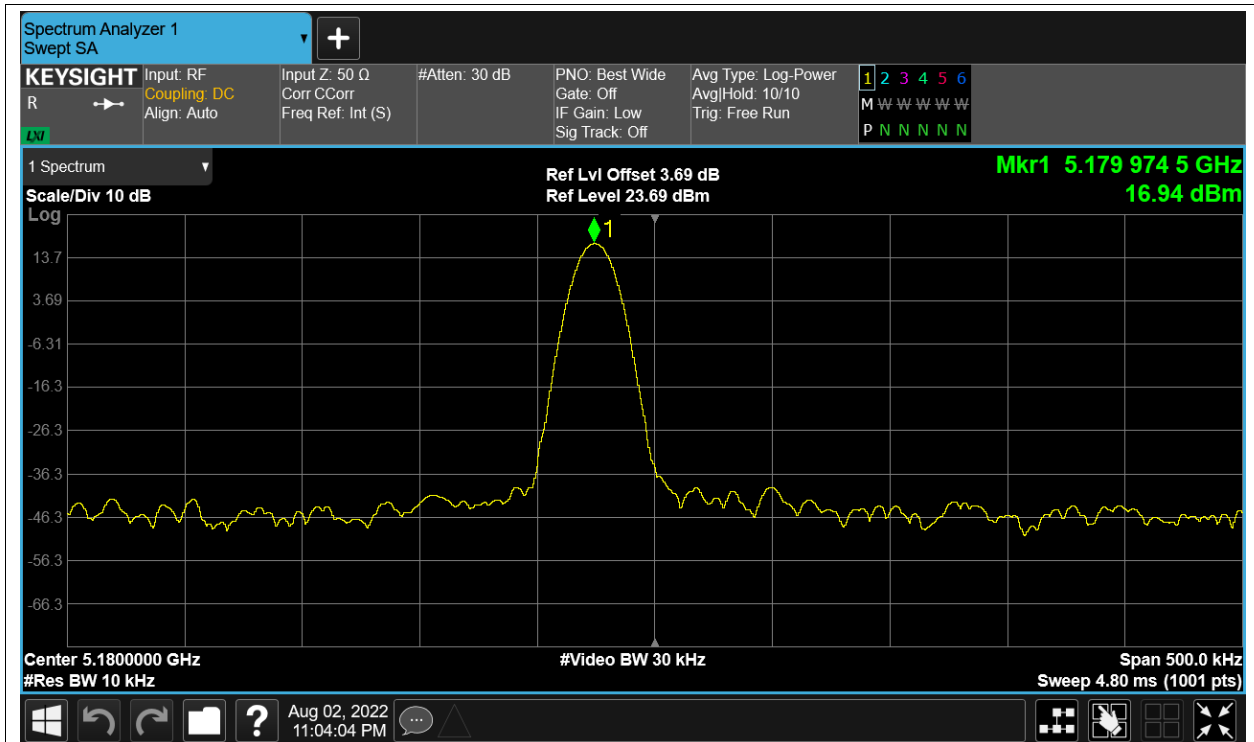
Freq. Stability NVNT a 5180MHz Ant1



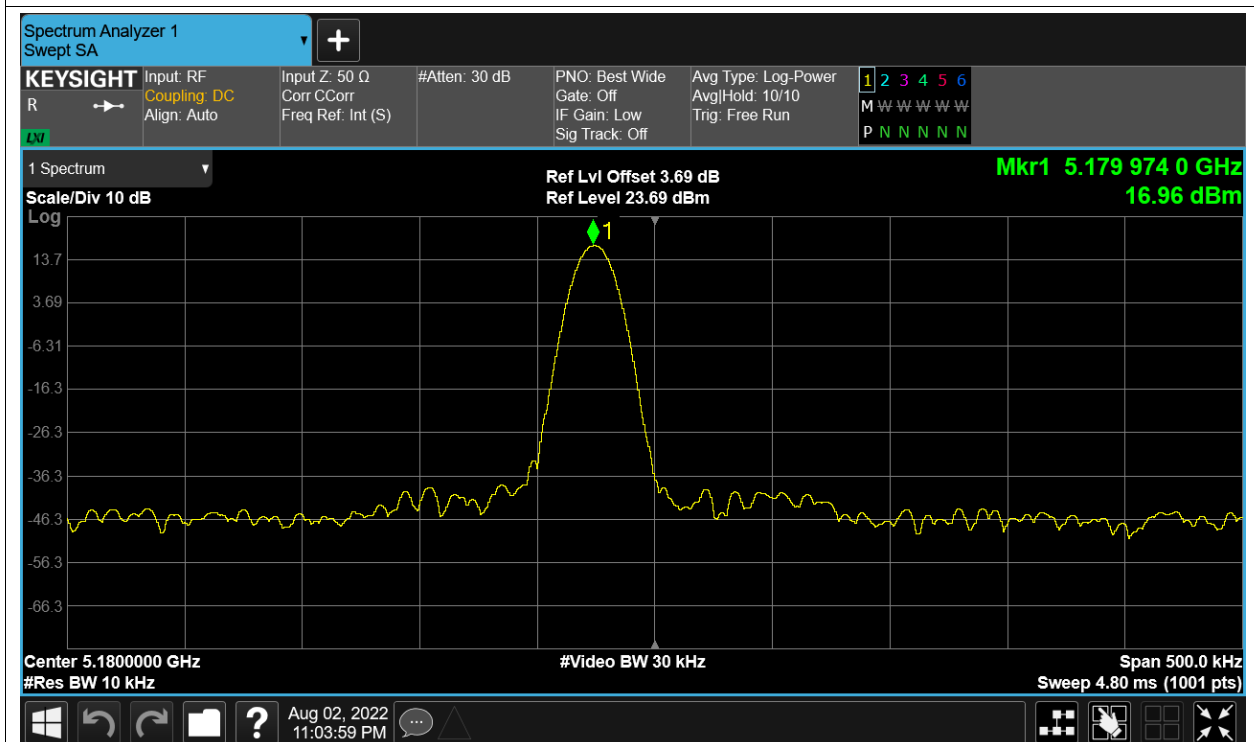
Freq. Stability NVNT a 5180MHz Ant2



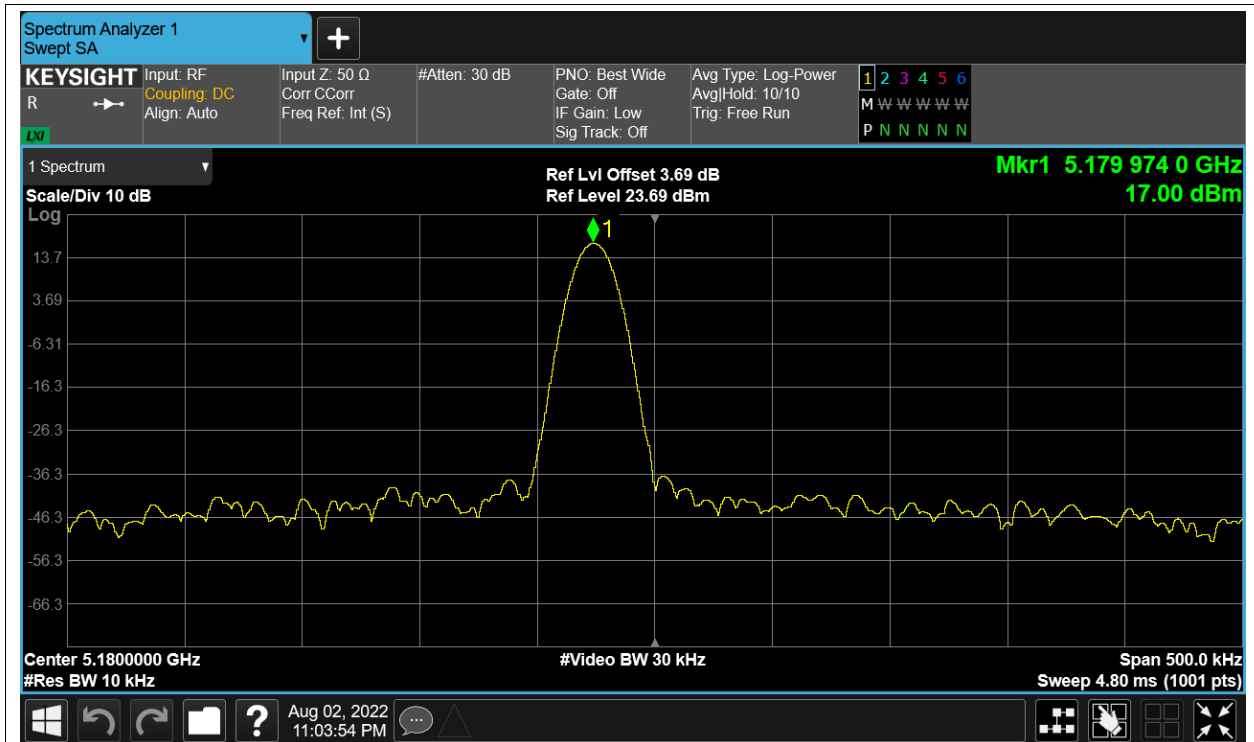
Freq. Stability HVNT ax20 5180MHz Sum



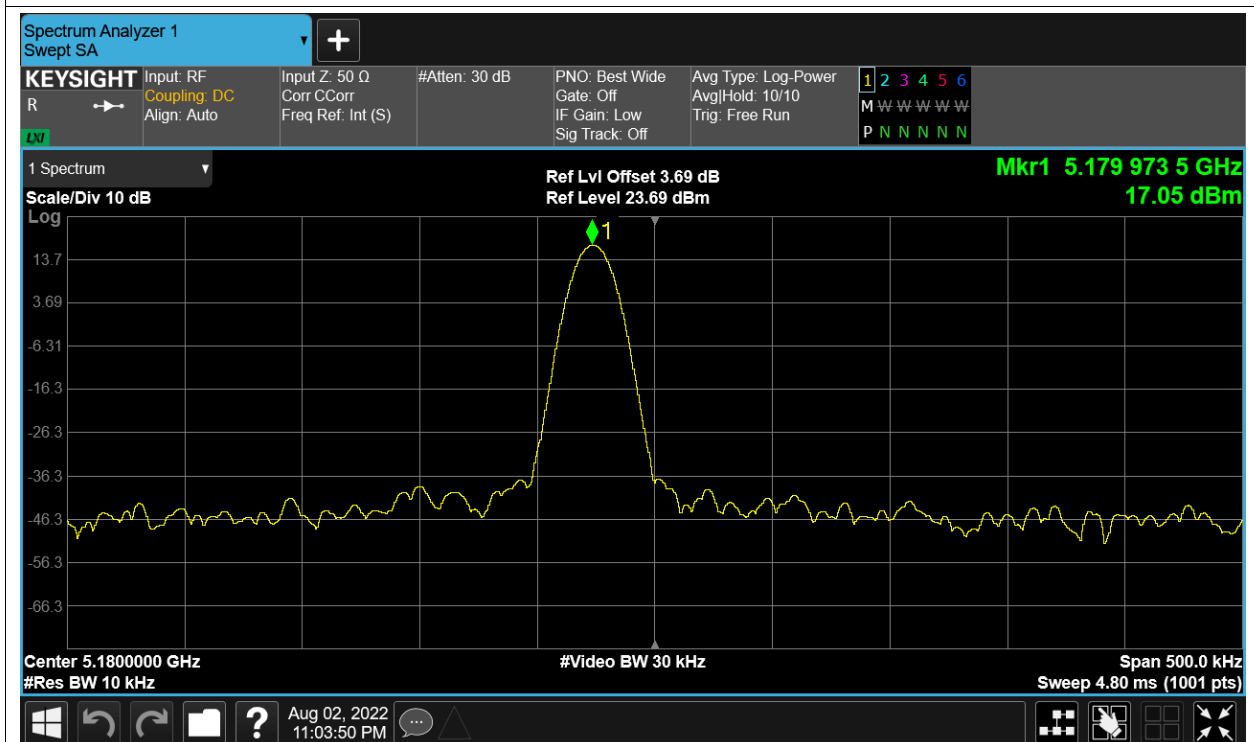
Freq. Stability LVNT ax20 5180MHz Sum



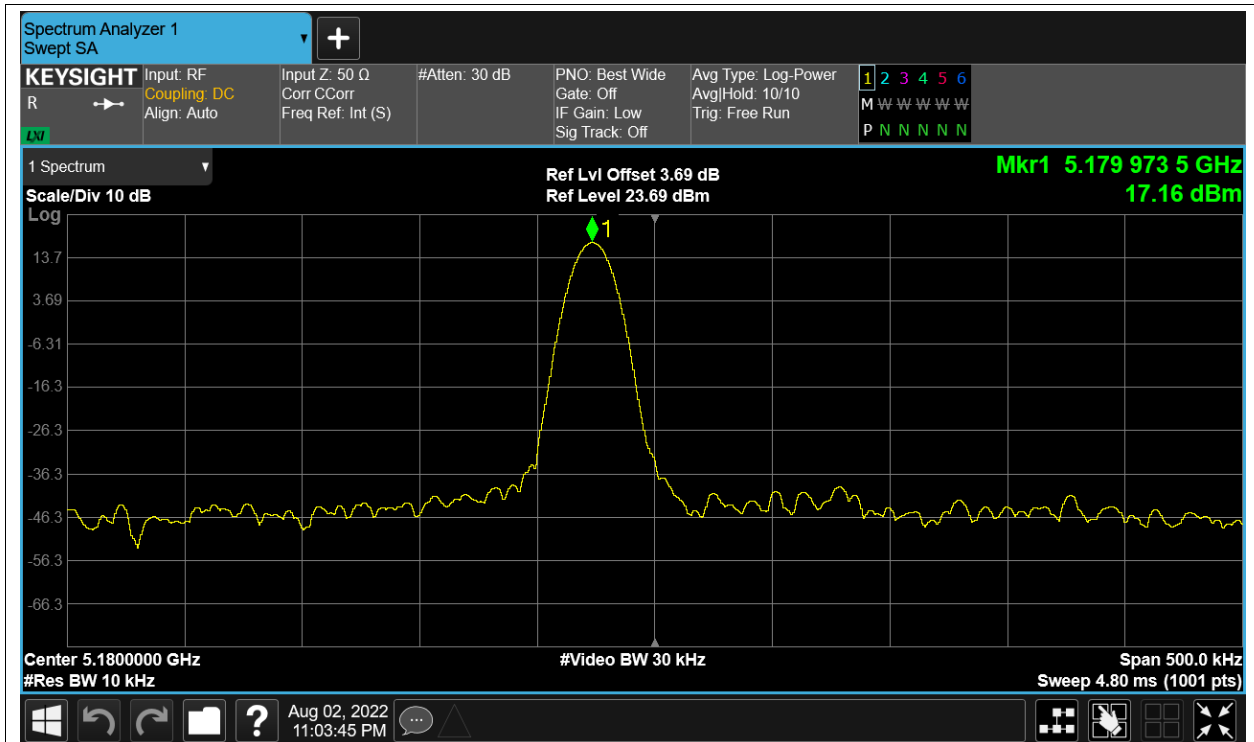
Freq. Stability NVHT ax20 5180MHz Sum



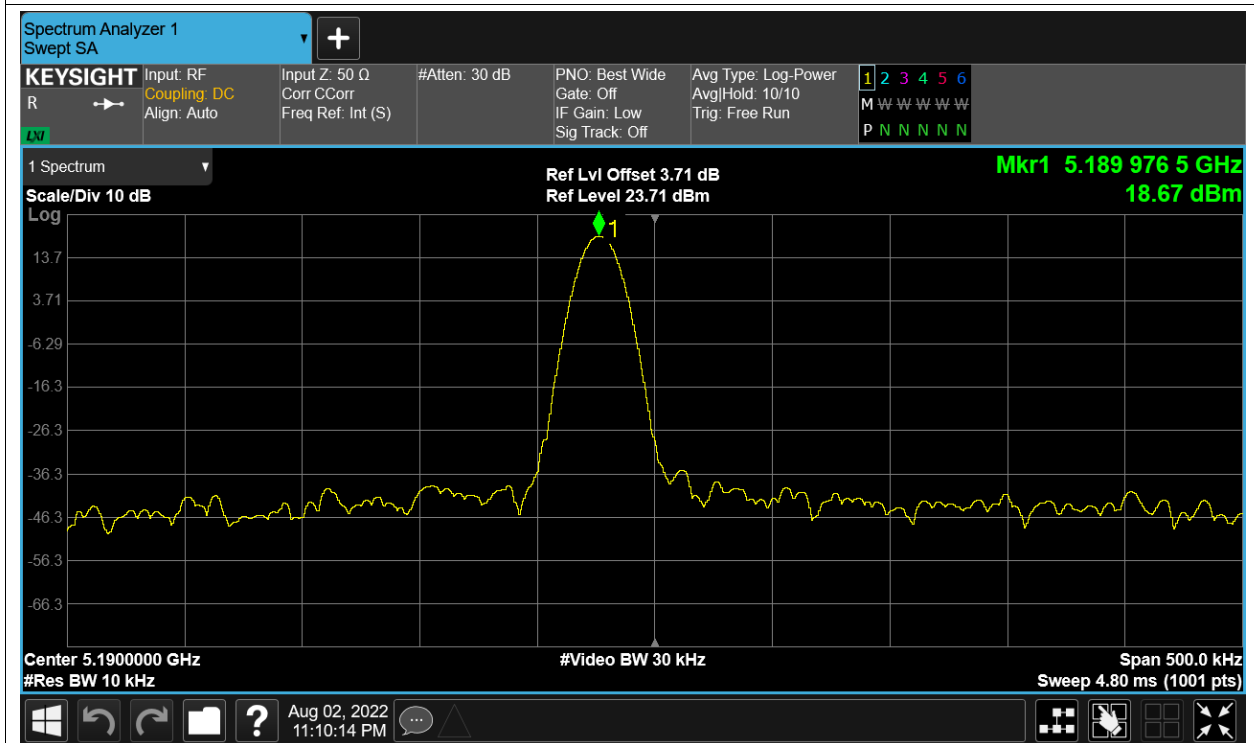
Freq. Stability NVLT ax20 5180MHz Sum



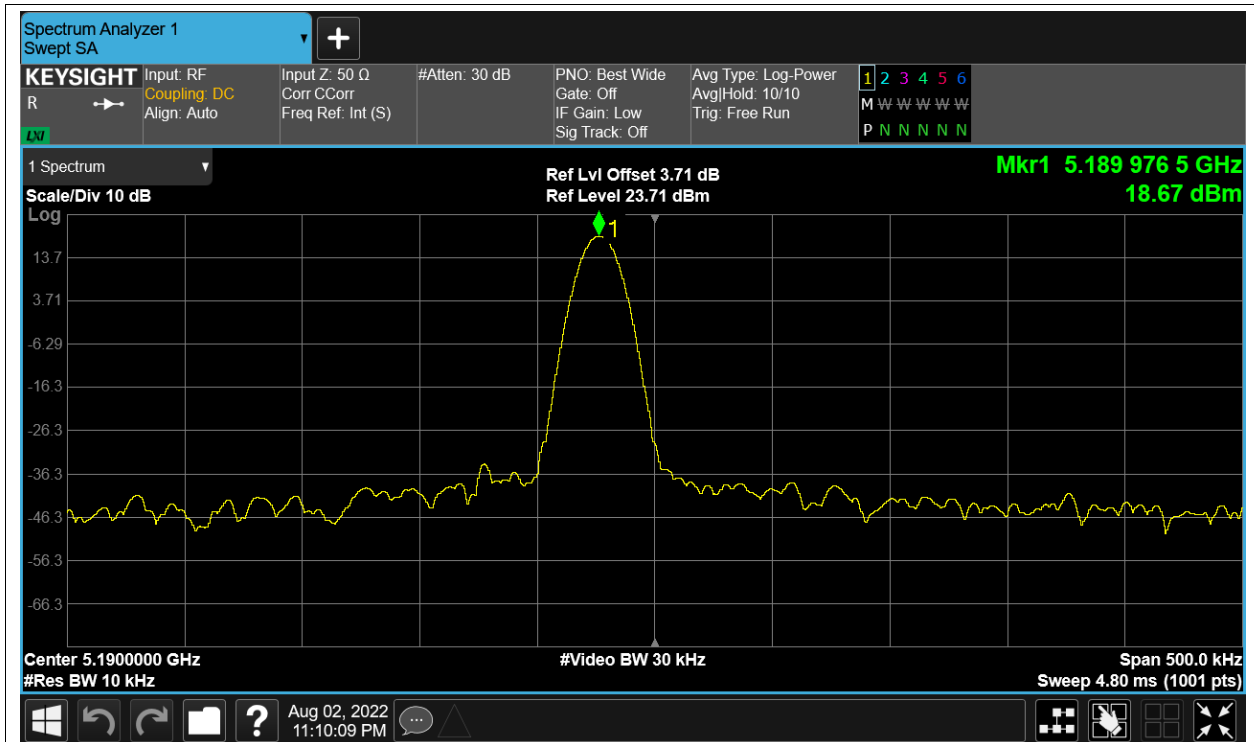
Freq. Stability NVNT ax20 5180MHz Sum



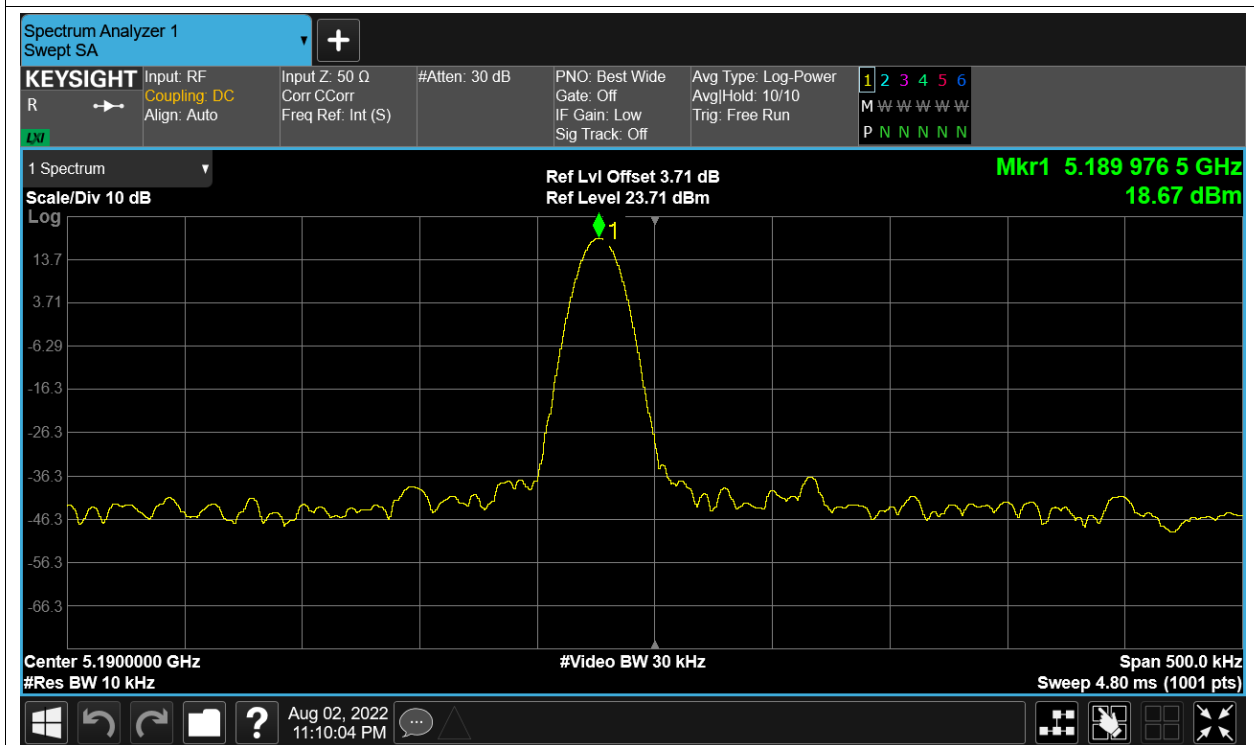
Freq. Stability HVNT ax40 5190MHz Sum



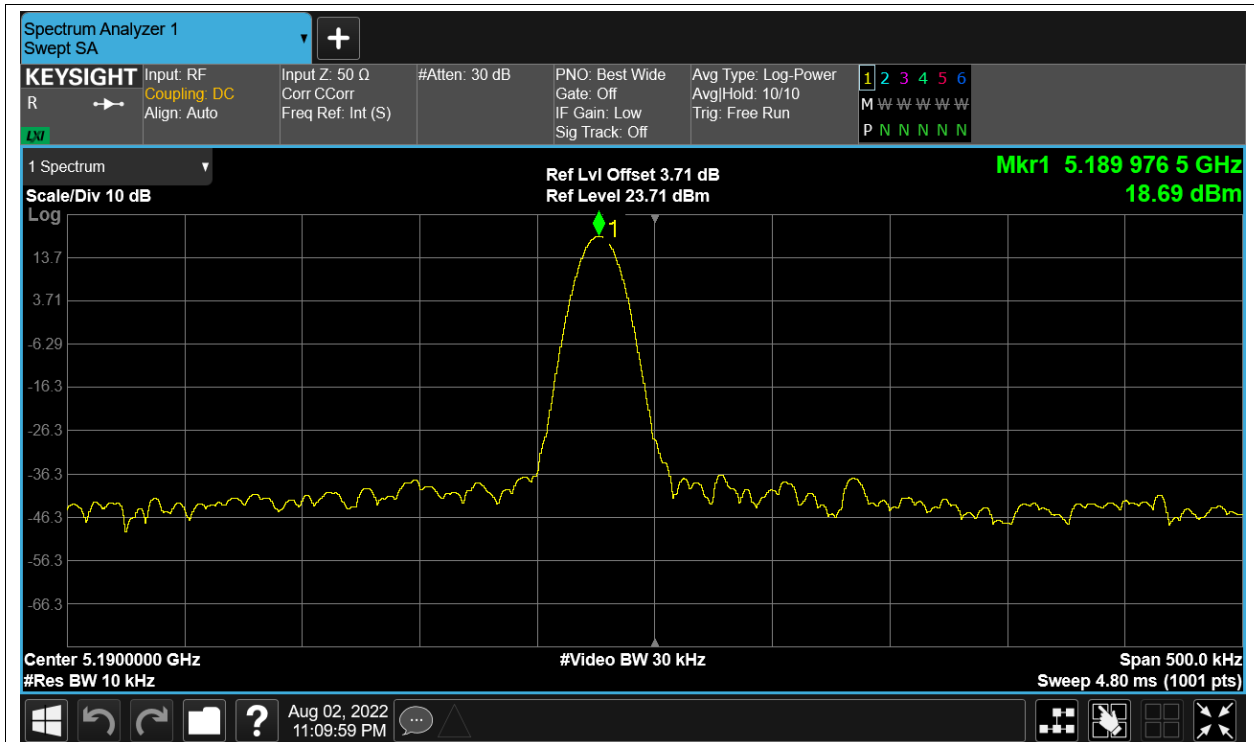
Freq. Stability LVNT ax40 5190MHz Sum



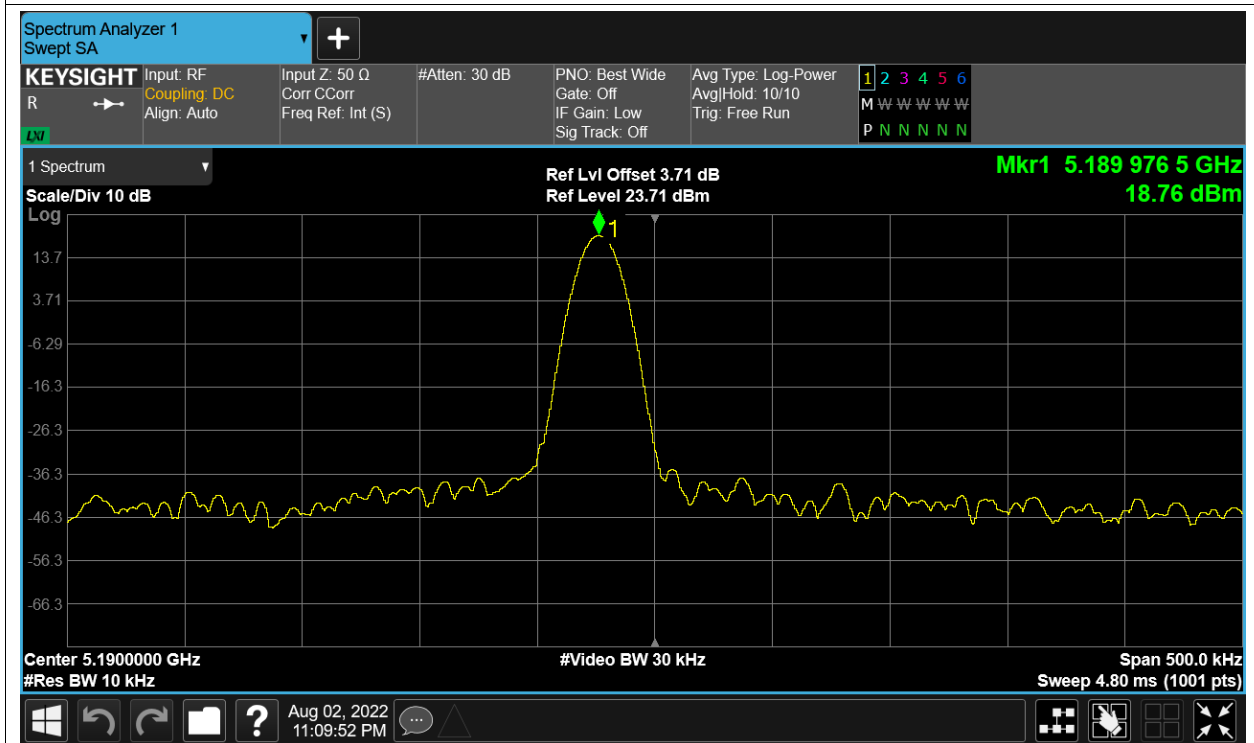
Freq. Stability NVHT ax40 5190MHz Sum



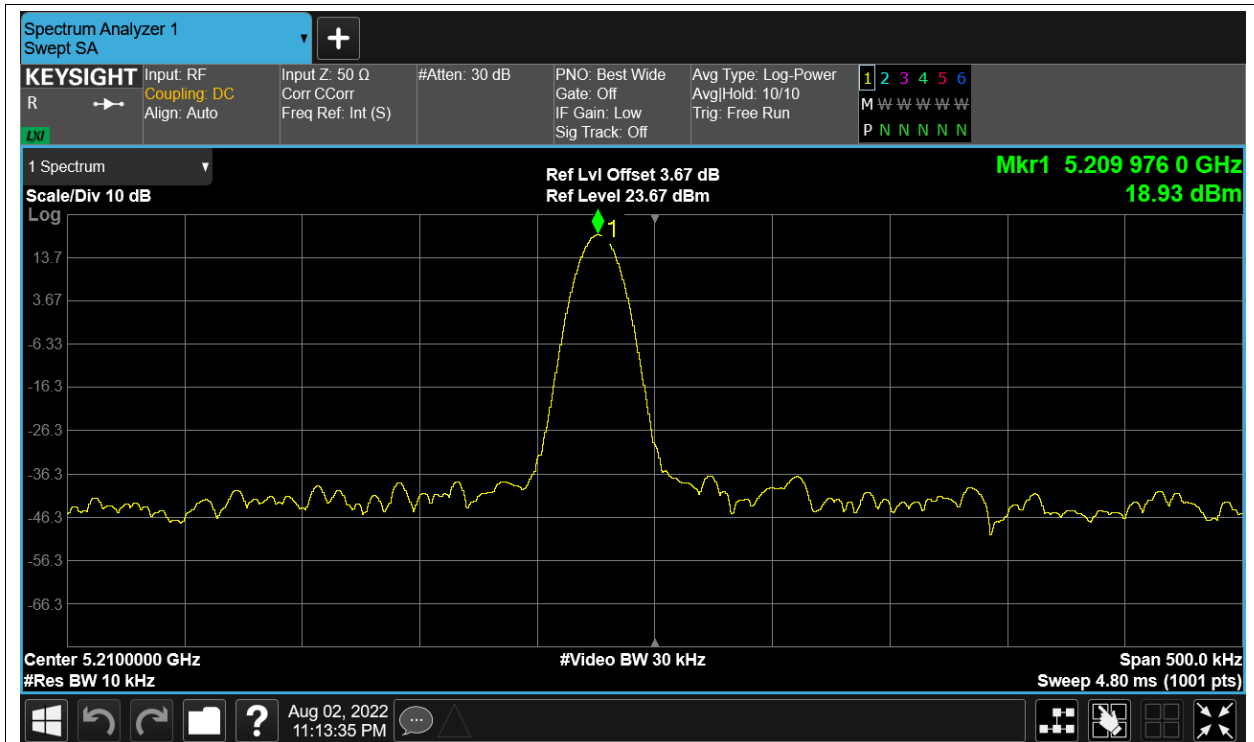
Freq. Stability NVLT ax40 5190MHz Sum



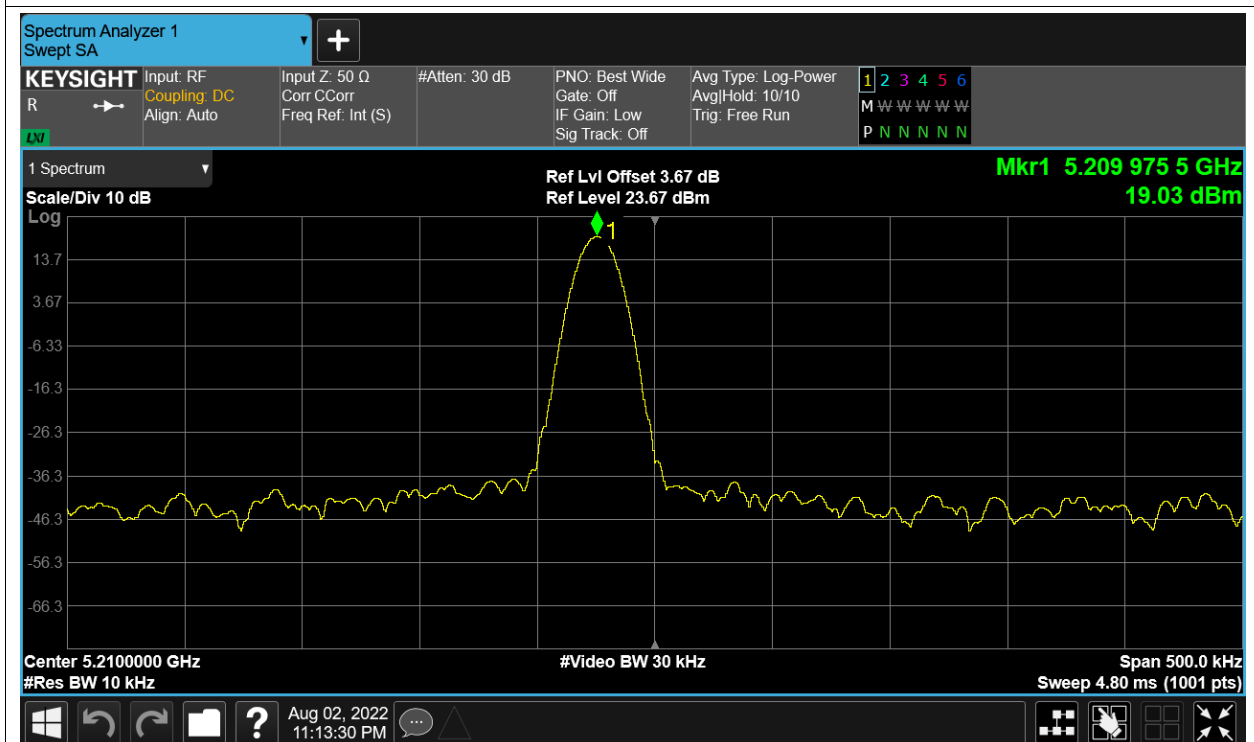
Freq. Stability NVNT ax40 5190MHz Sum



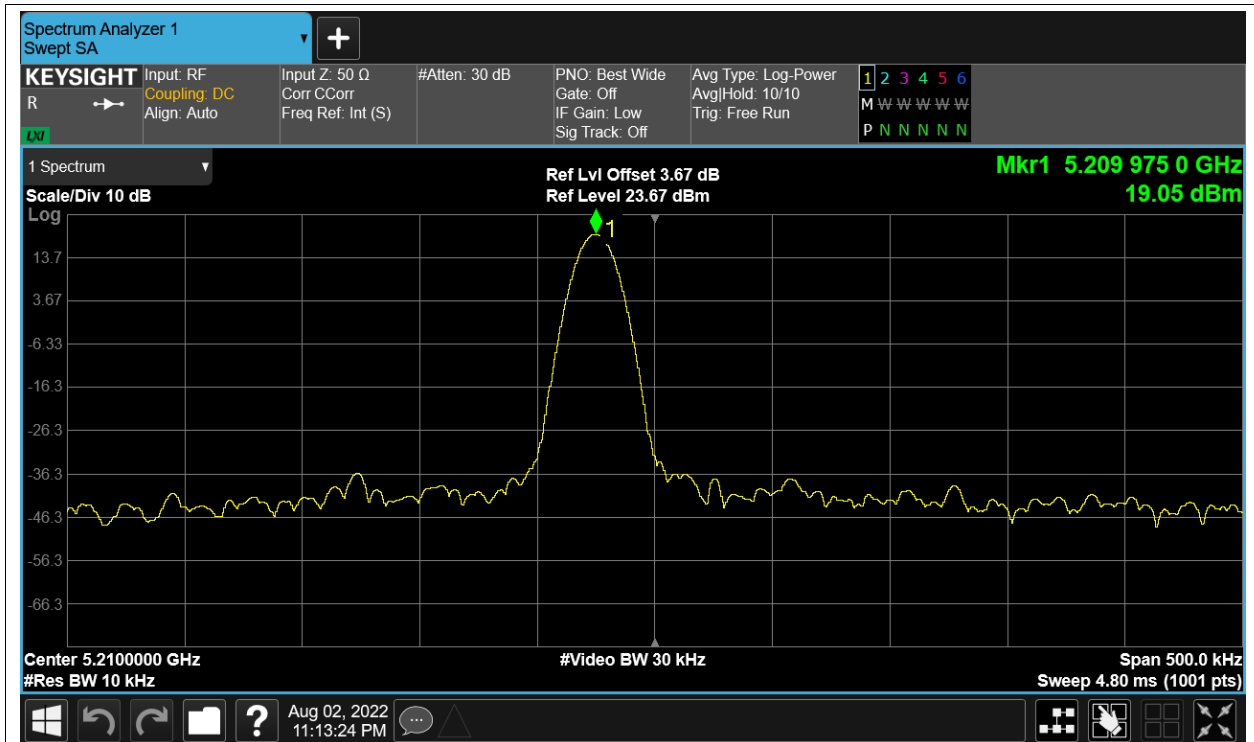
Freq. Stability HVNT ax80 5210MHz Sum



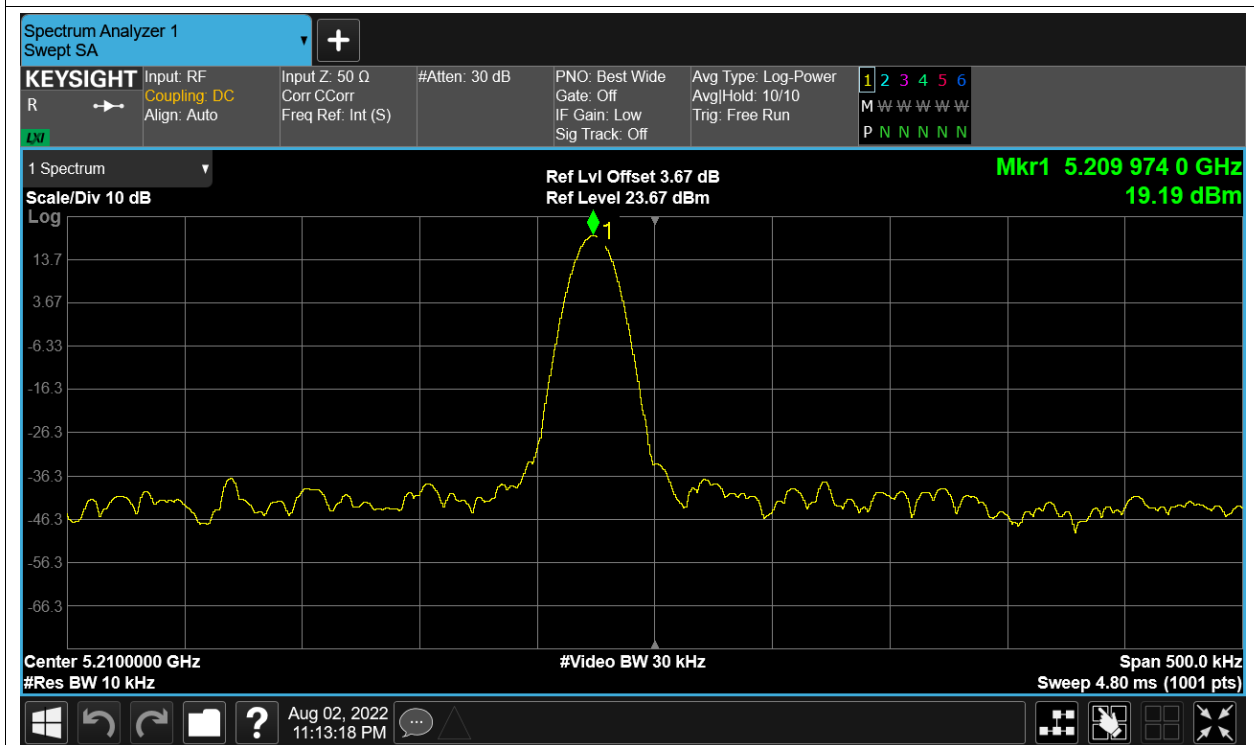
Freq. Stability LVNT ax80 5210MHz Sum



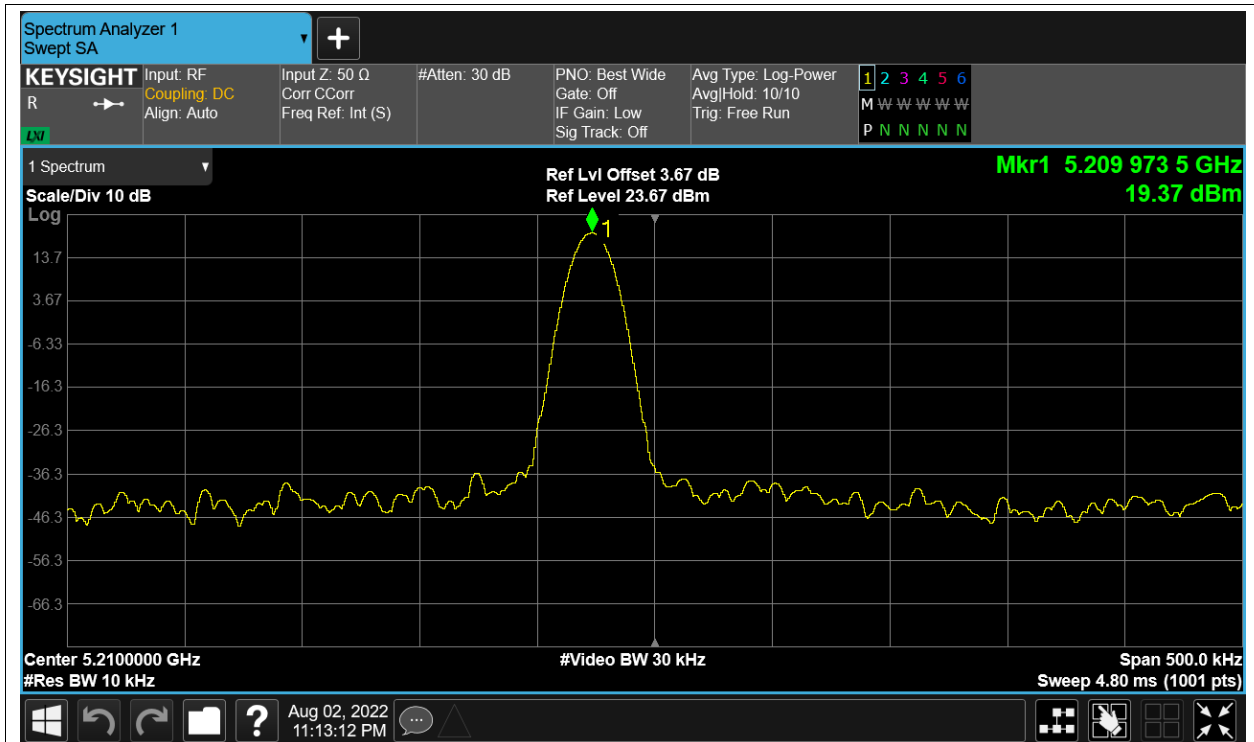
Freq. Stability NVHT ax80 5210MHz Sum



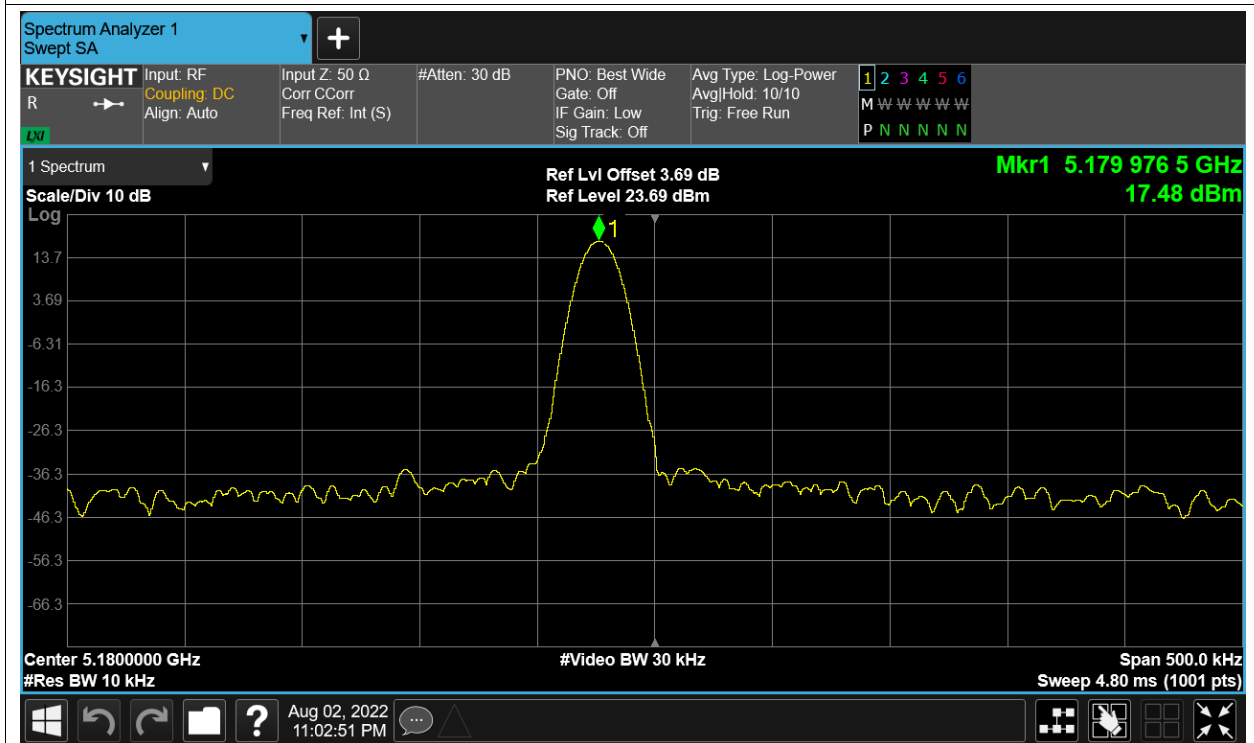
Freq. Stability NVLT ax80 5210MHz Sum



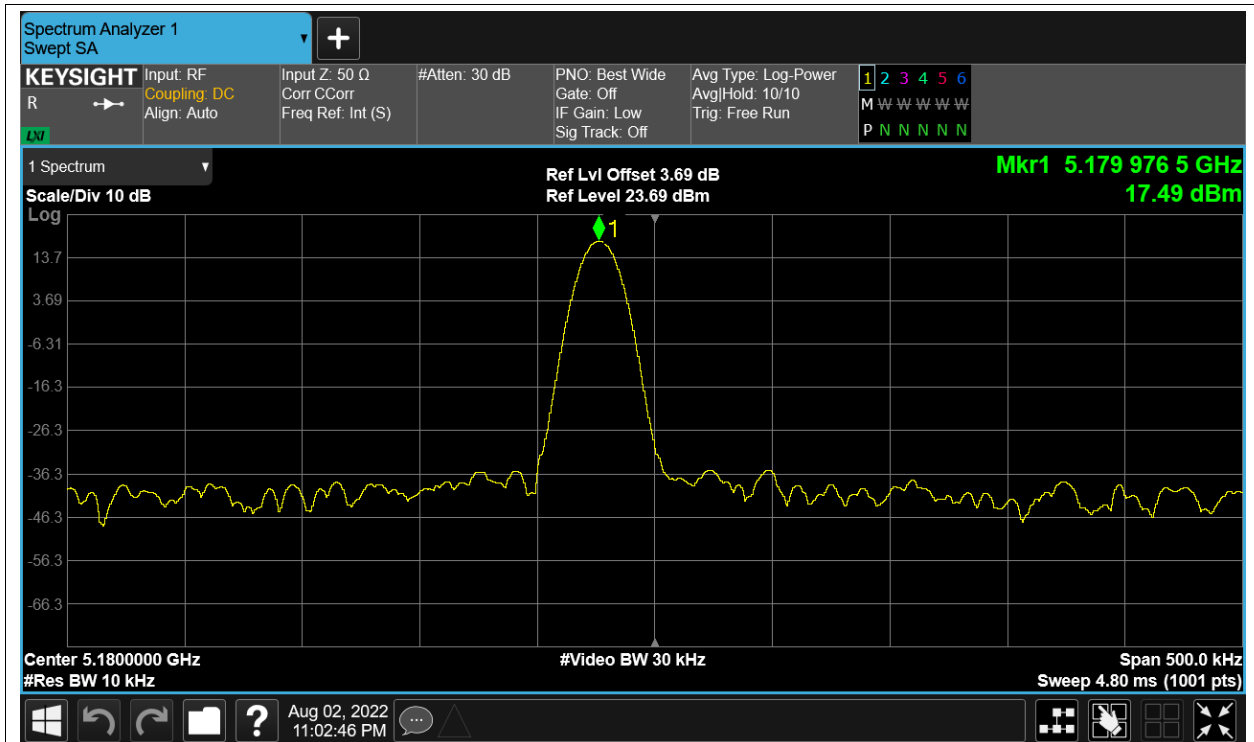
Freq. Stability NVNT ax80 5210MHz Sum



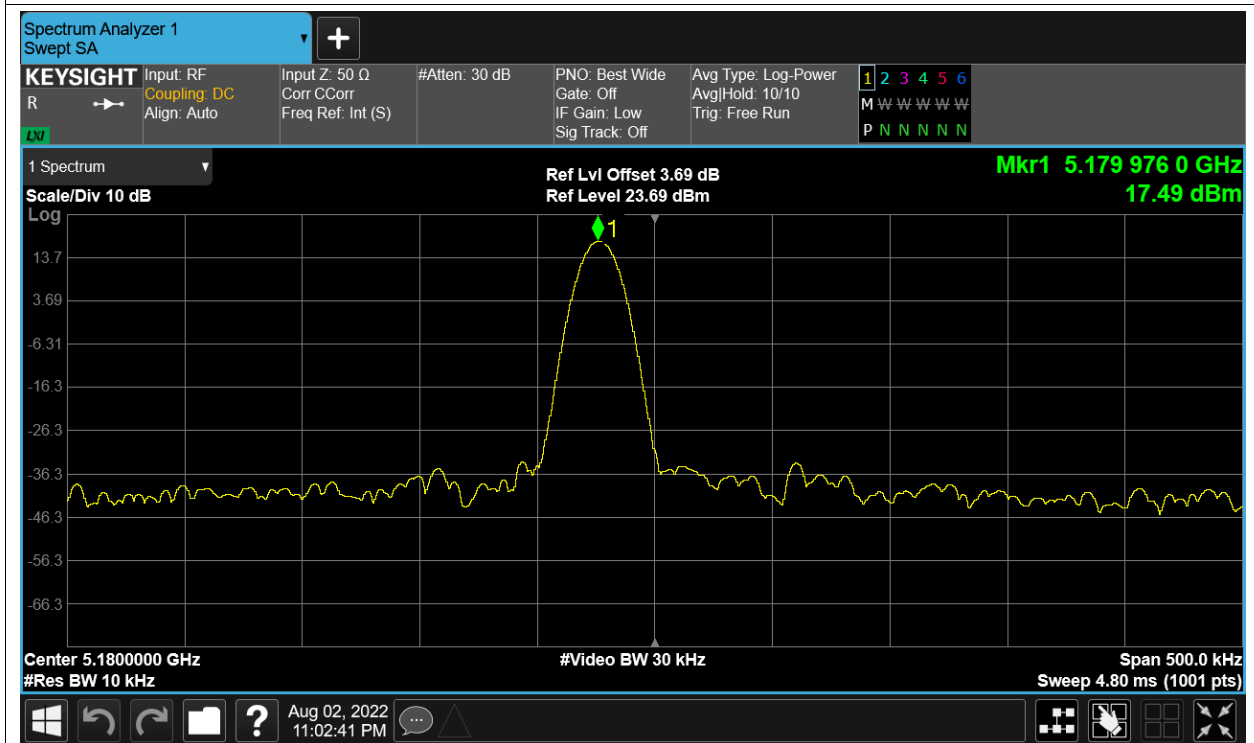
Freq. Stability HVNT n20 5180MHz Sum



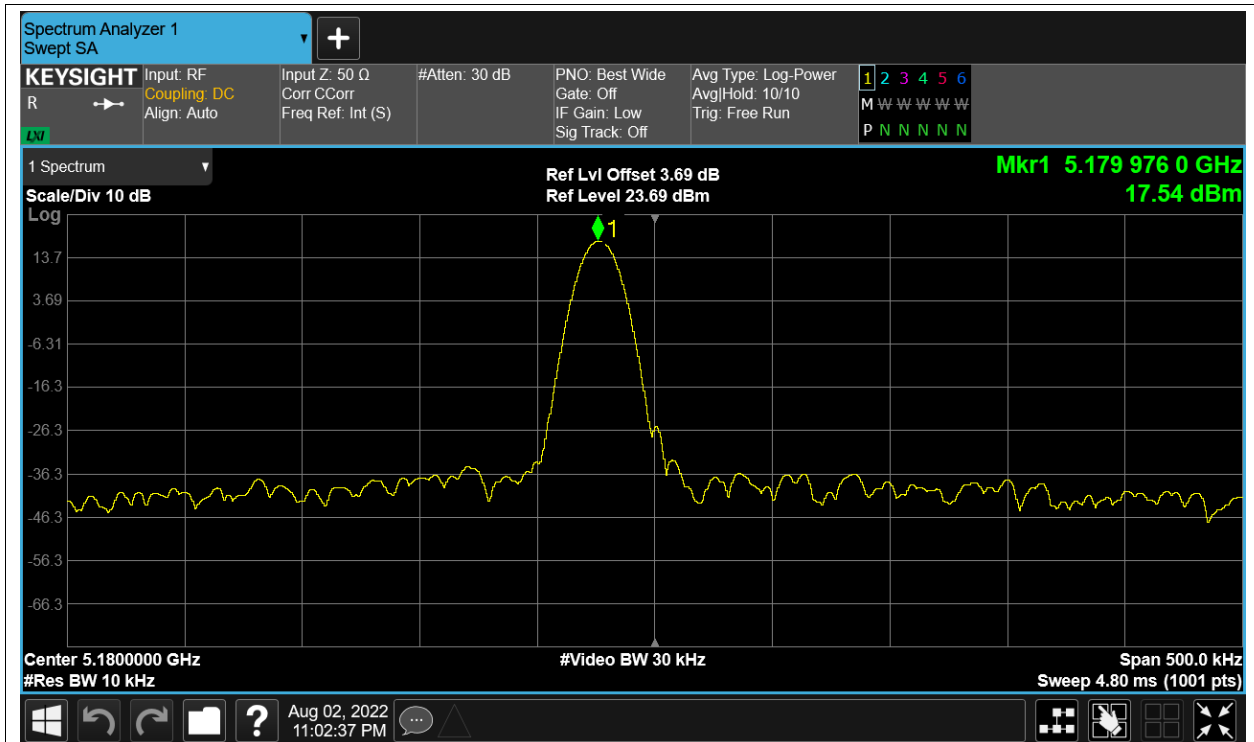
Freq. Stability LVNT n20 5180MHz Sum



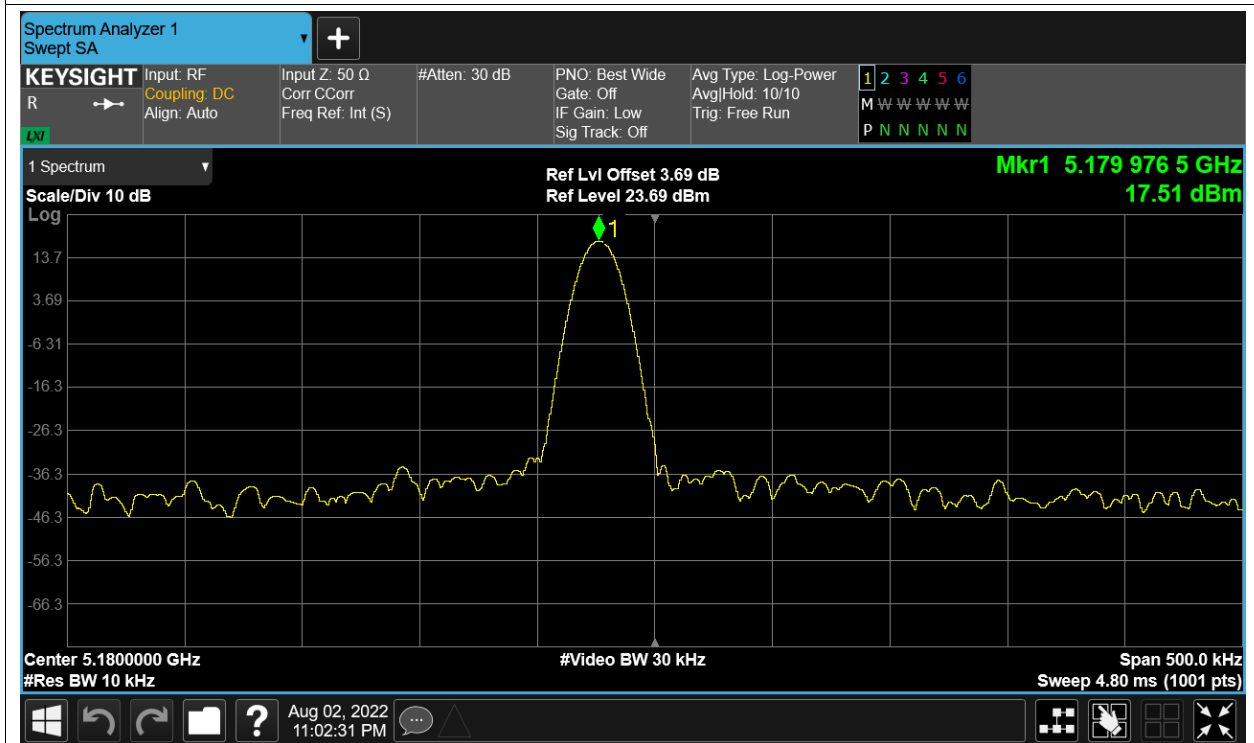
Freq. Stability NVHT n20 5180MHz Sum



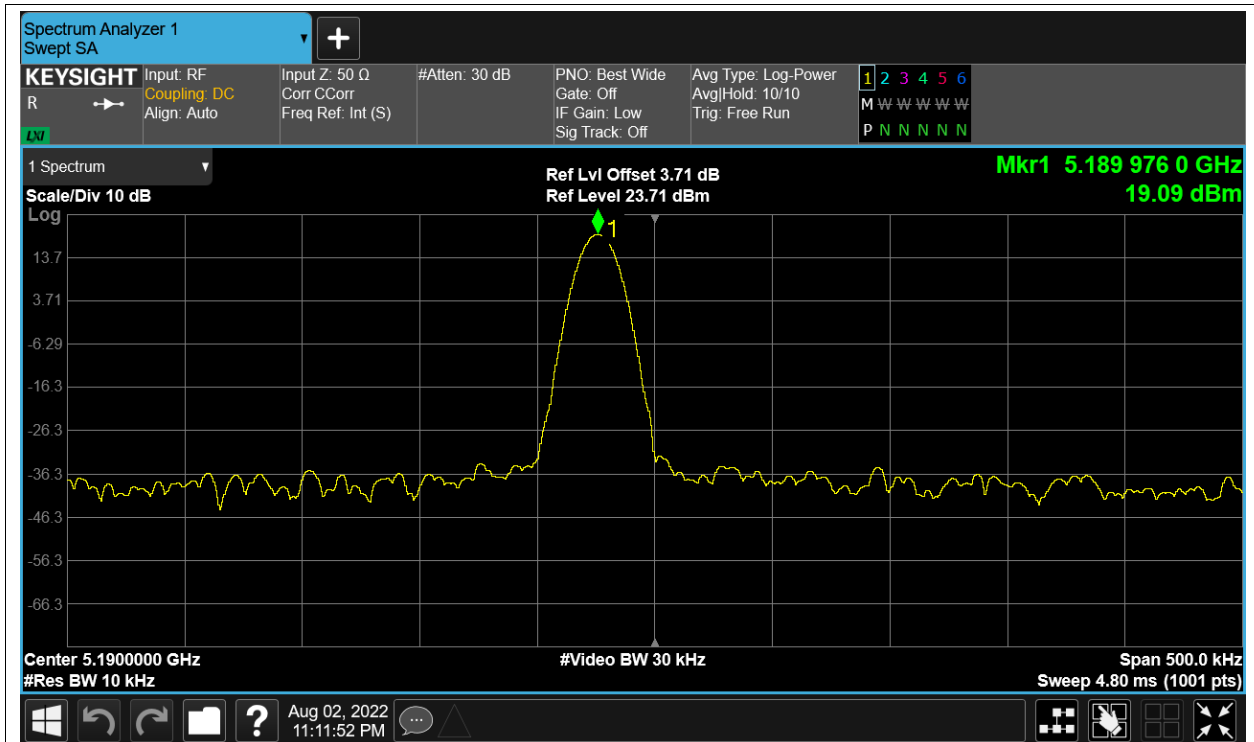
Freq. Stability NVLT n20 5180MHz Sum



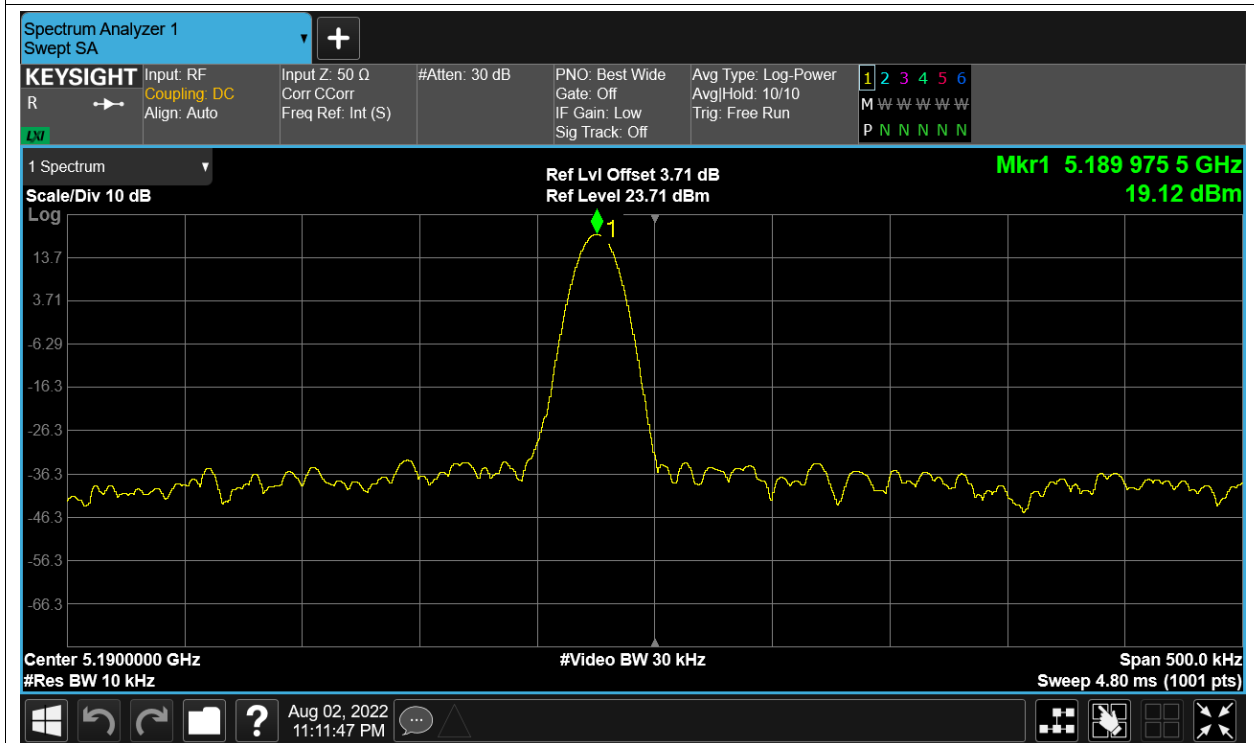
Freq. Stability NVNT n20 5180MHz Sum



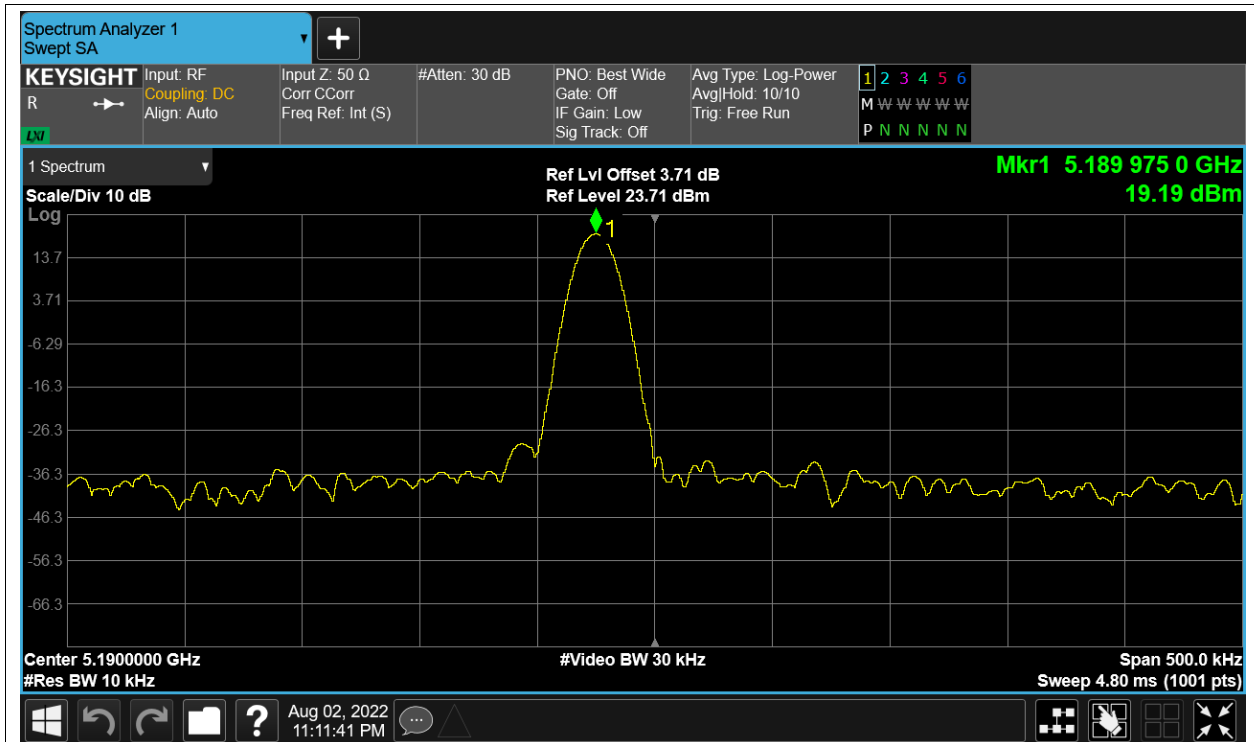
Freq. Stability HVNT n40 5190MHz Sum



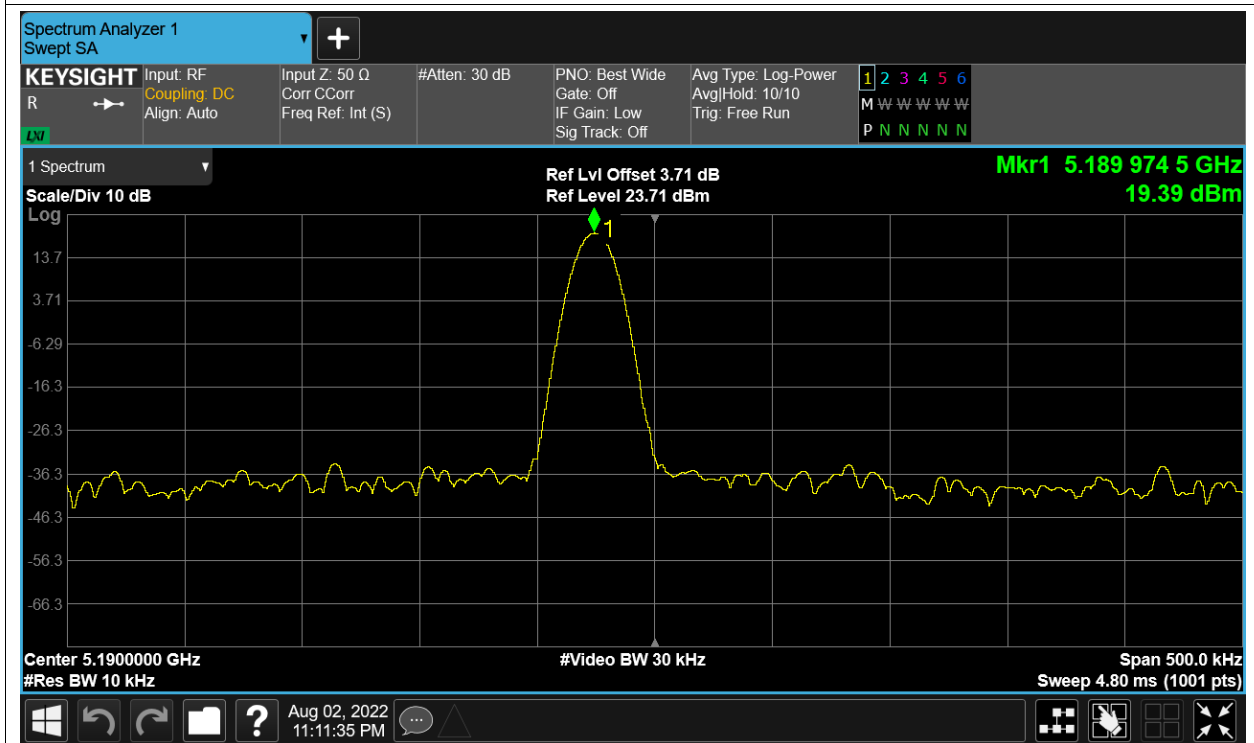
Freq. Stability LVNT n40 5190MHz Sum



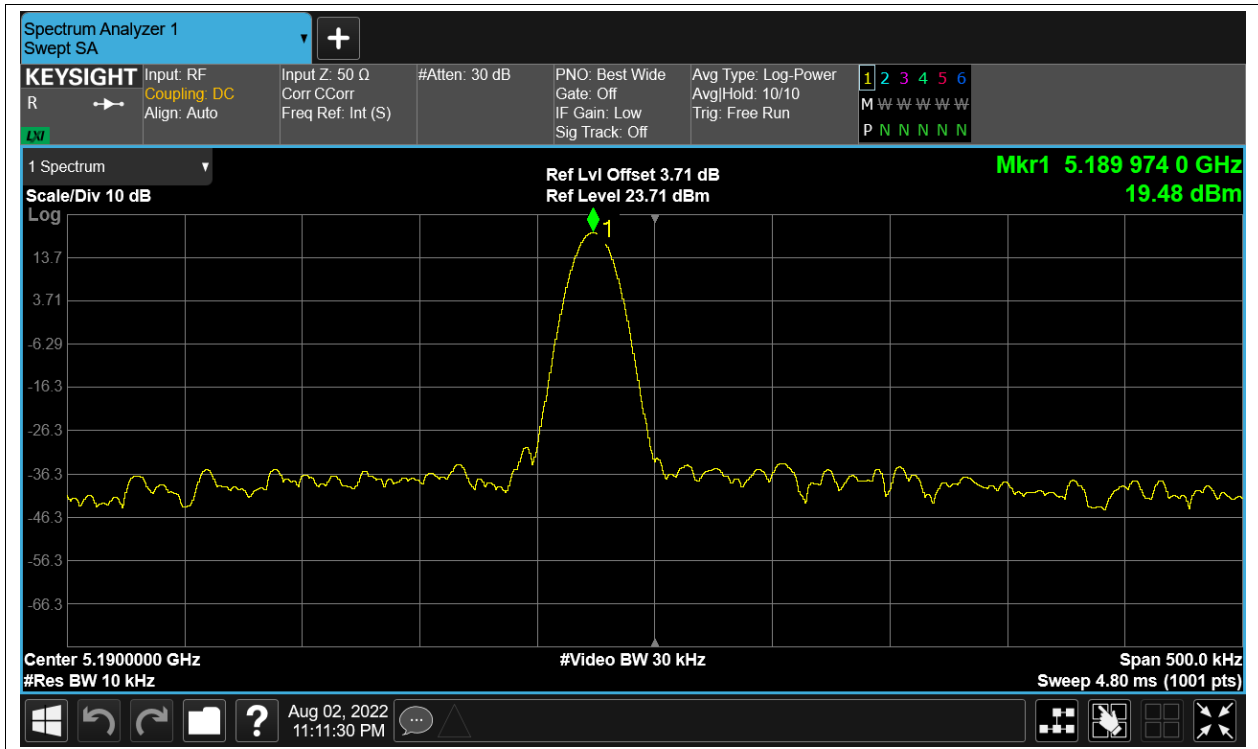
Freq. Stability NVHT n40 5190MHz Sum



Freq. Stability NVLT n40 5190MHz Sum



Freq. Stability NVNT n40 5190MHz Sum

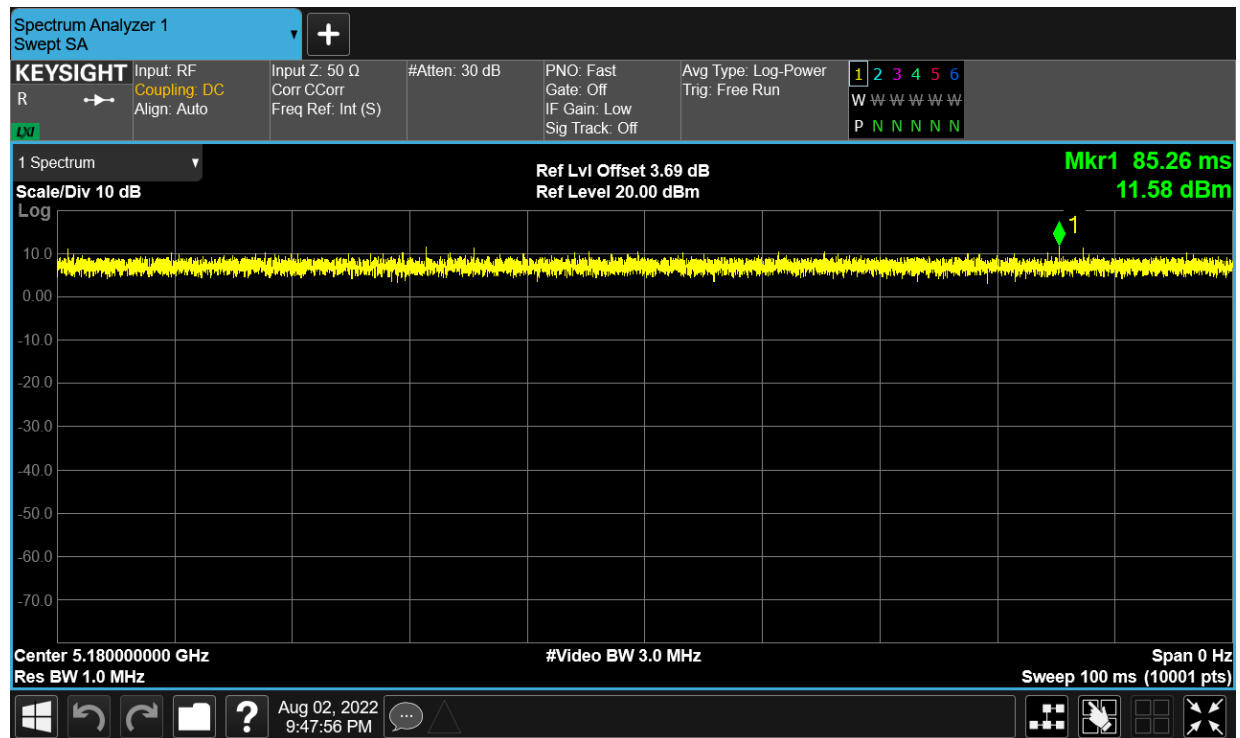


Duty Cycle

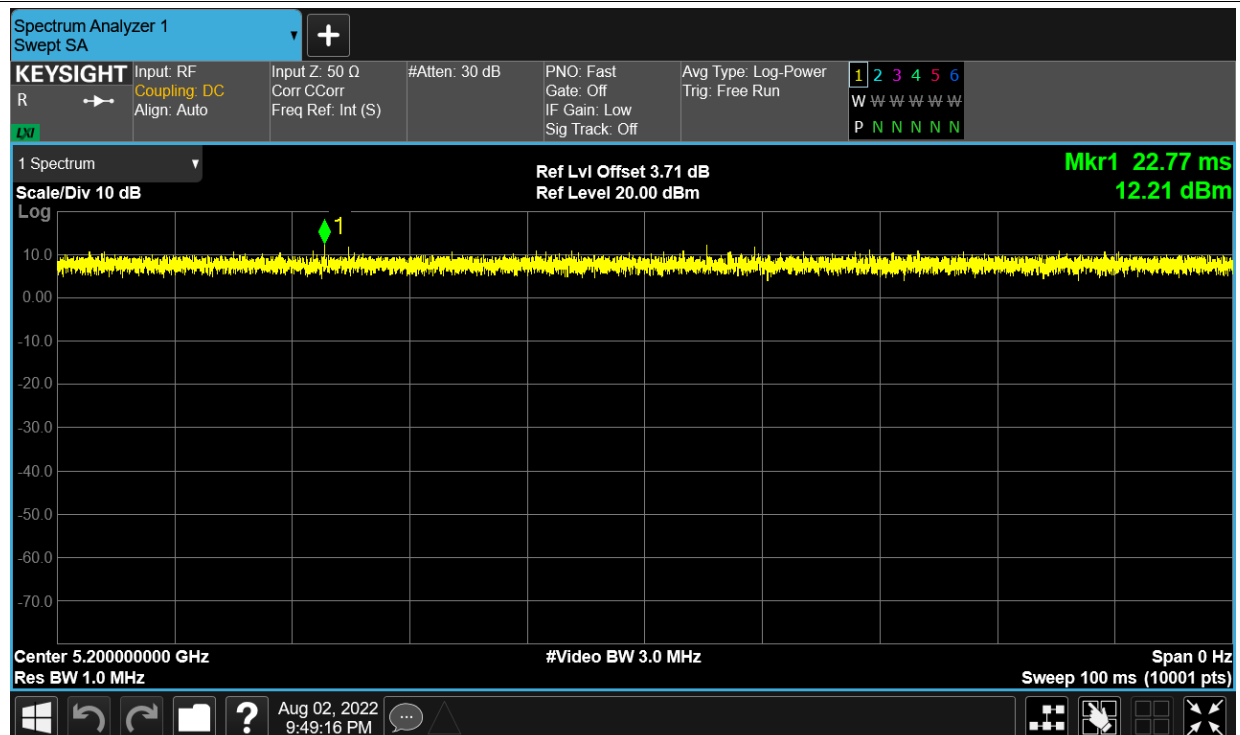
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	a	5180	Ant2	100	0
NVNT	a	5200	Ant2	100	0
NVNT	a	5240	Ant2	100	0
NVNT	ac20	5180	Sum	100	0
NVNT	ac20	5200	Sum	100	0
NVNT	ac20	5240	Sum	100	0
NVNT	ac40	5190	Sum	100	0
NVNT	ac40	5230	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

Test Graphs

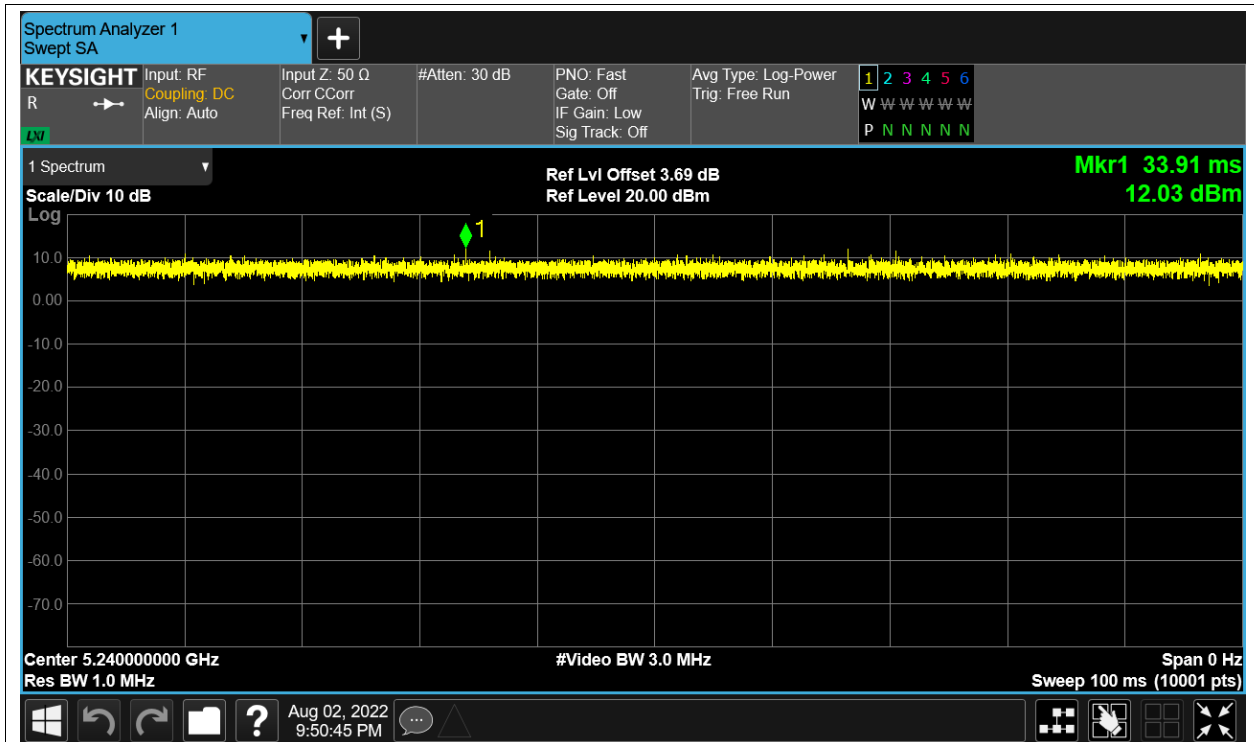
Duty Cycle NVNT a 5180MHz Ant1



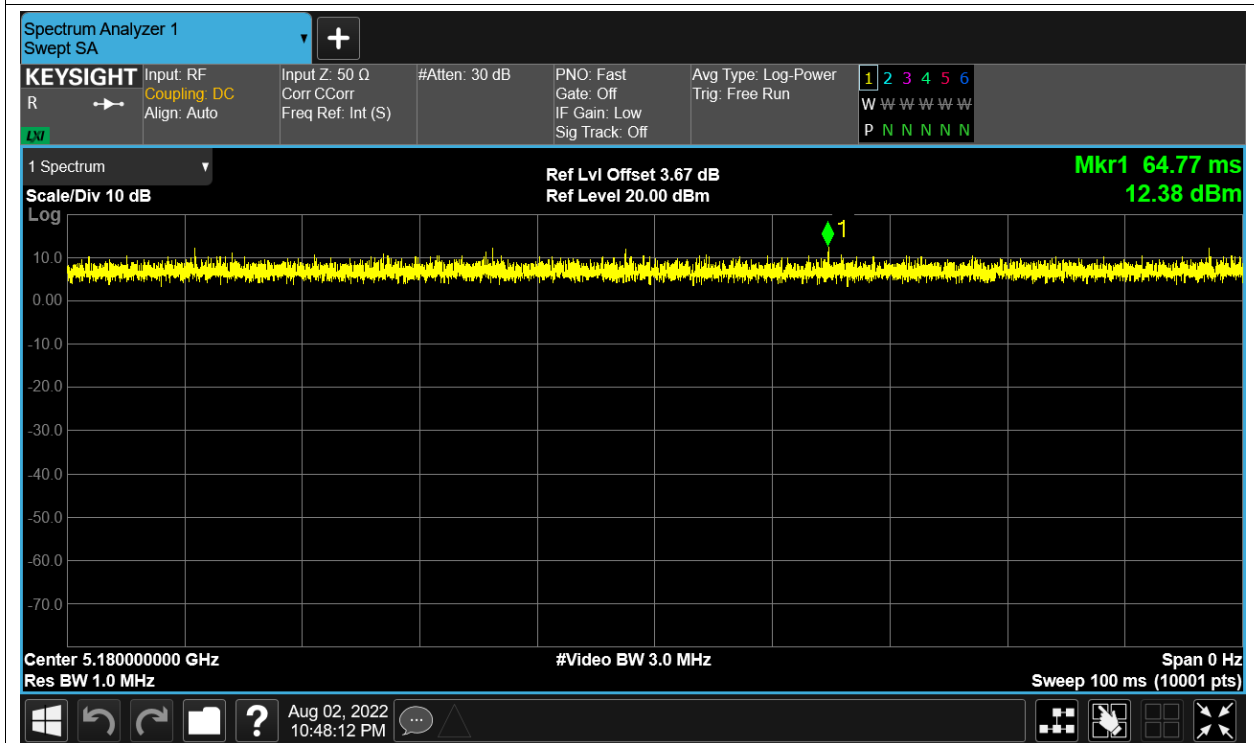
Duty Cycle NVNT a 5200MHz Ant1



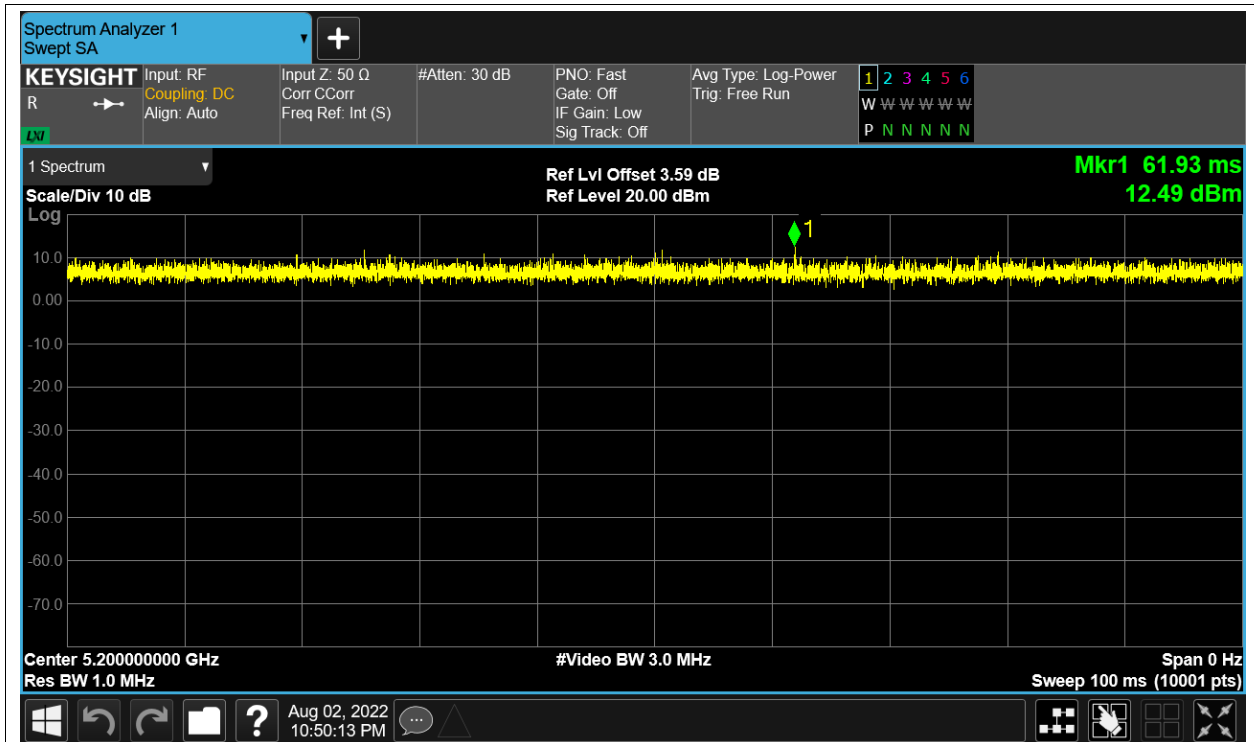
Duty Cycle NVNT a 5240MHz Ant1



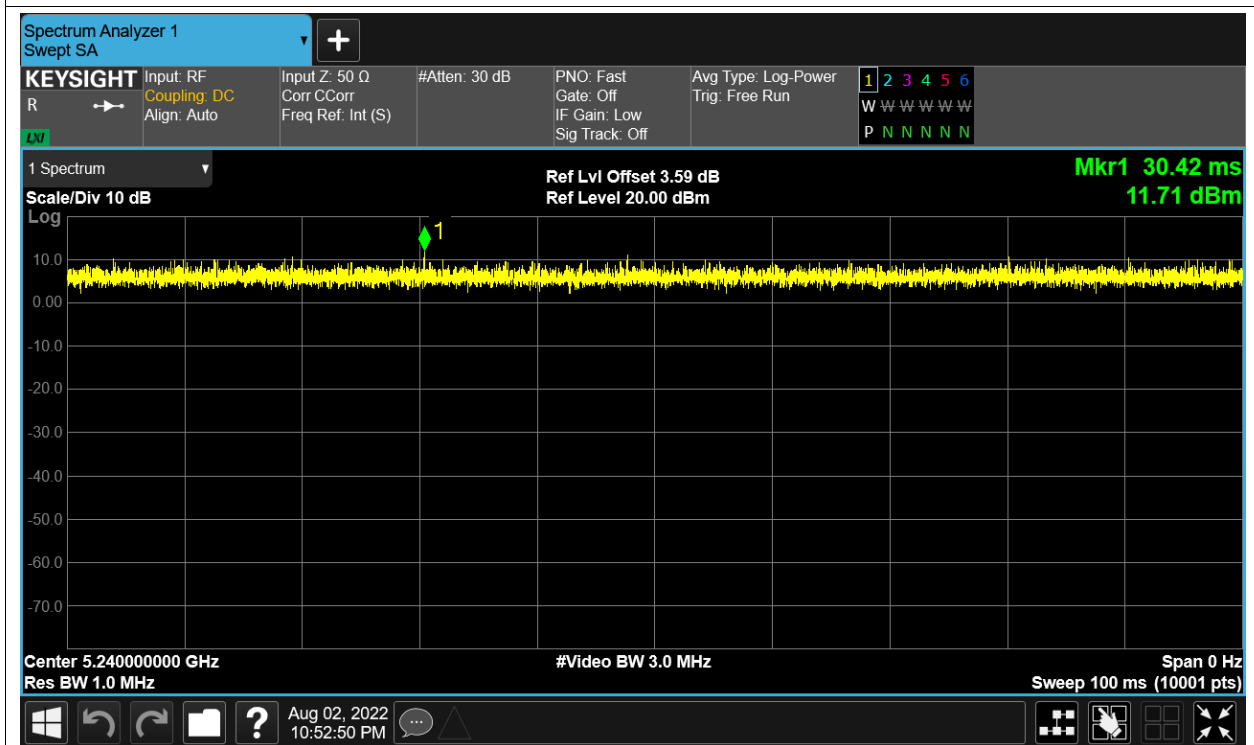
Duty Cycle NVNT a 5180MHz Ant2



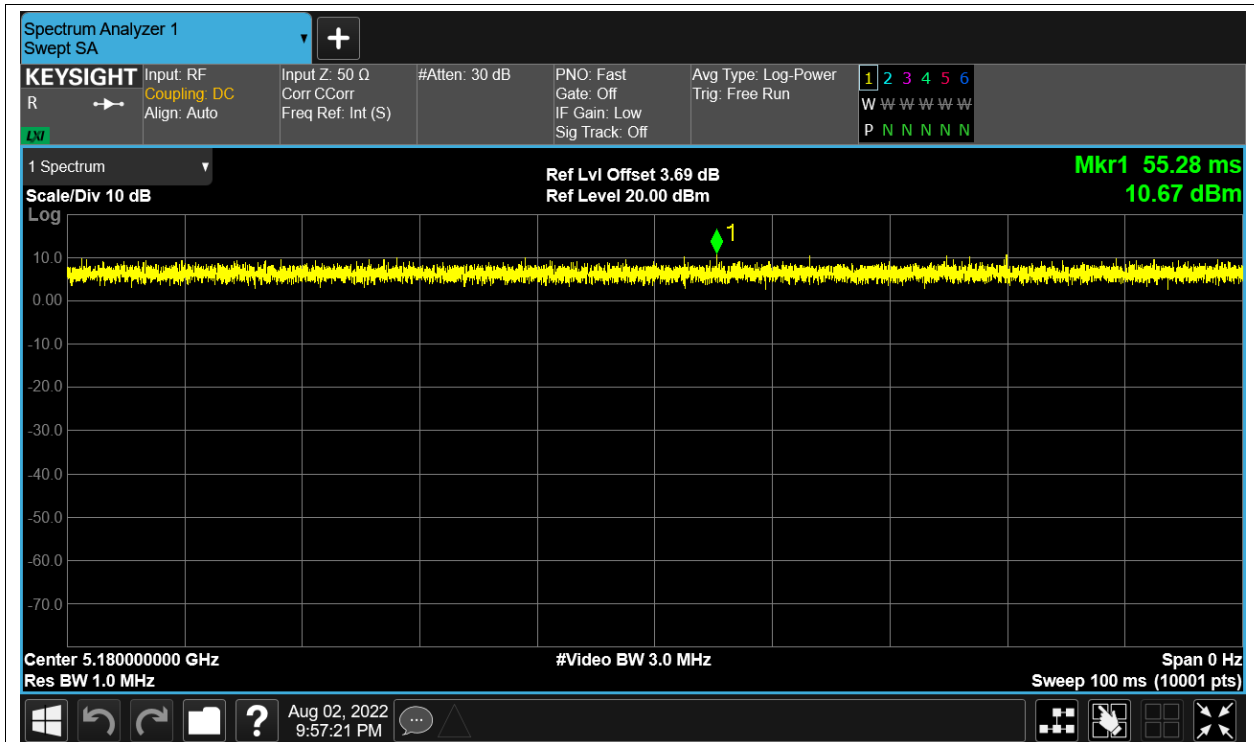
Duty Cycle NVNT a 5200MHz Ant2



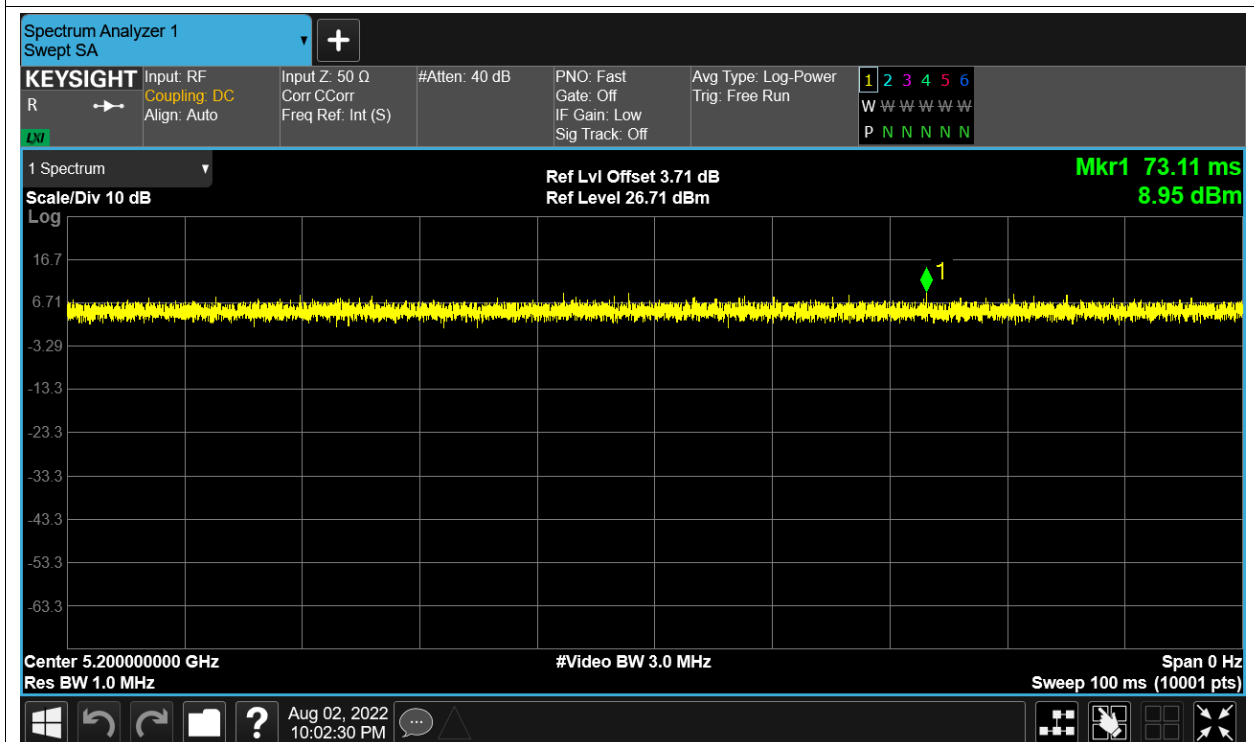
Duty Cycle NVNT a 5240MHz Ant2



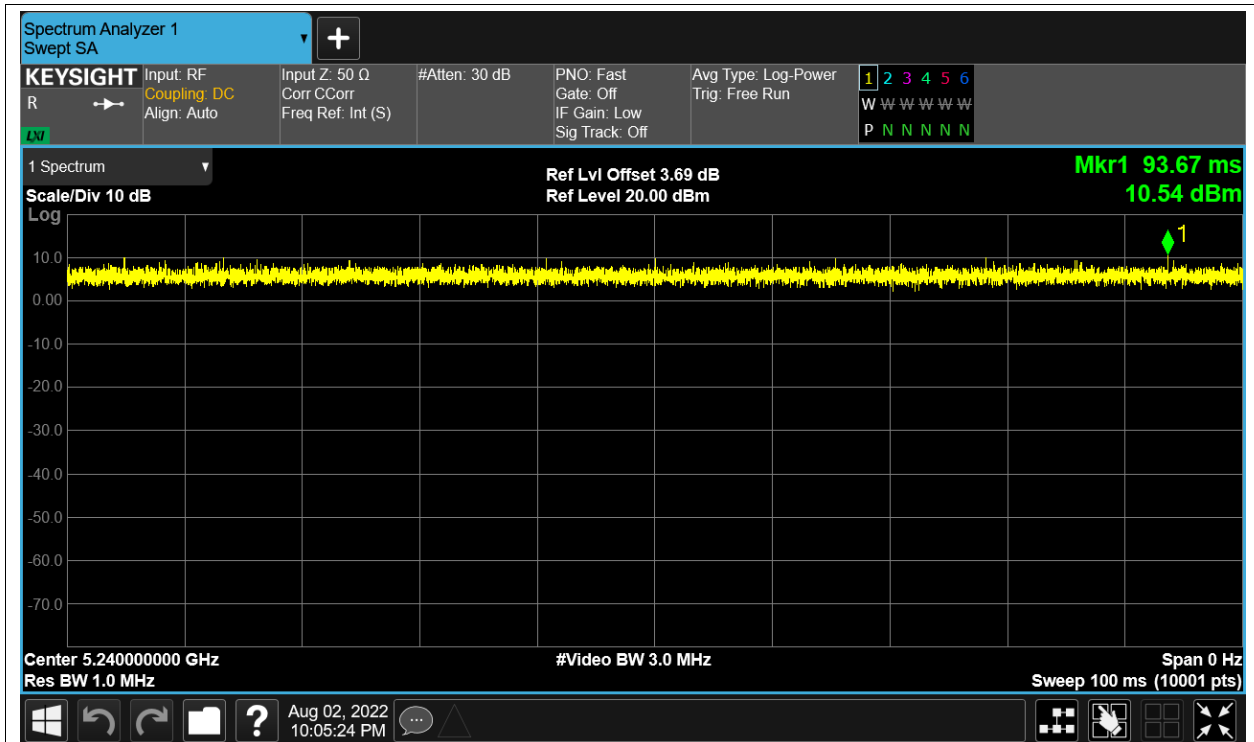
Duty Cycle NVNT ac20 5180MHz Sum



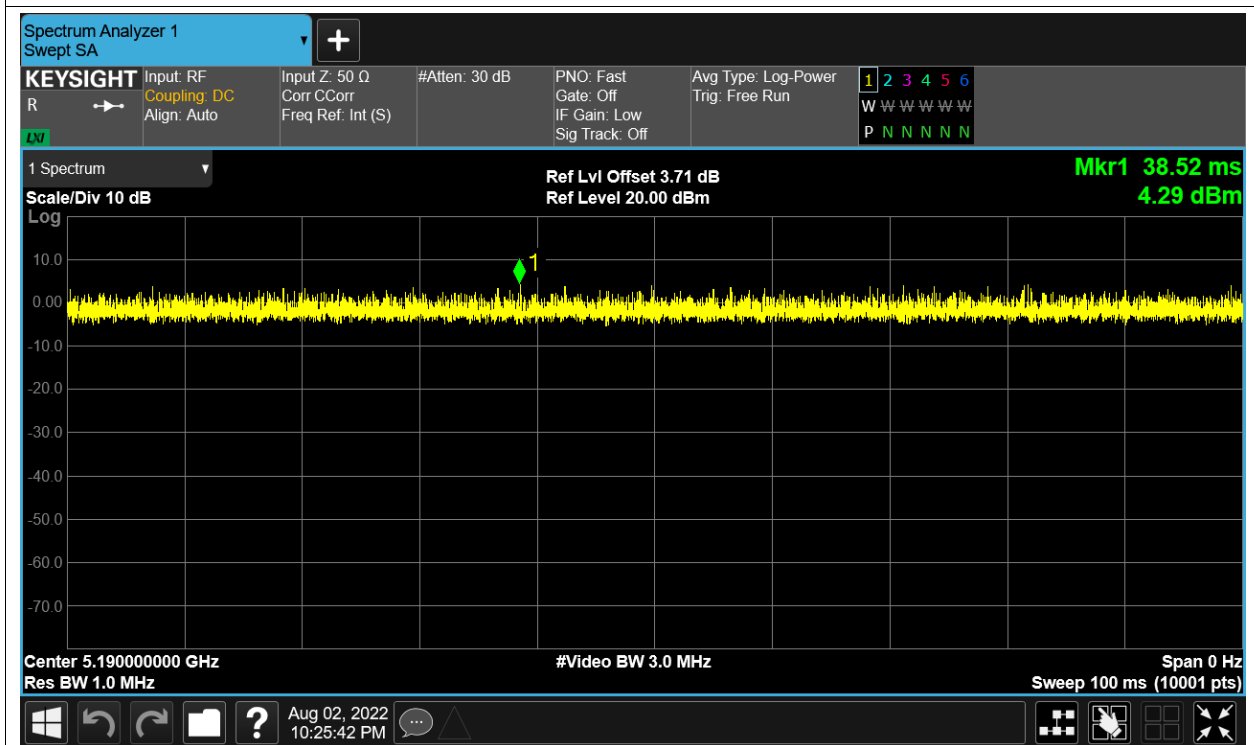
Duty Cycle NVNT ac20 5200MHz Sum



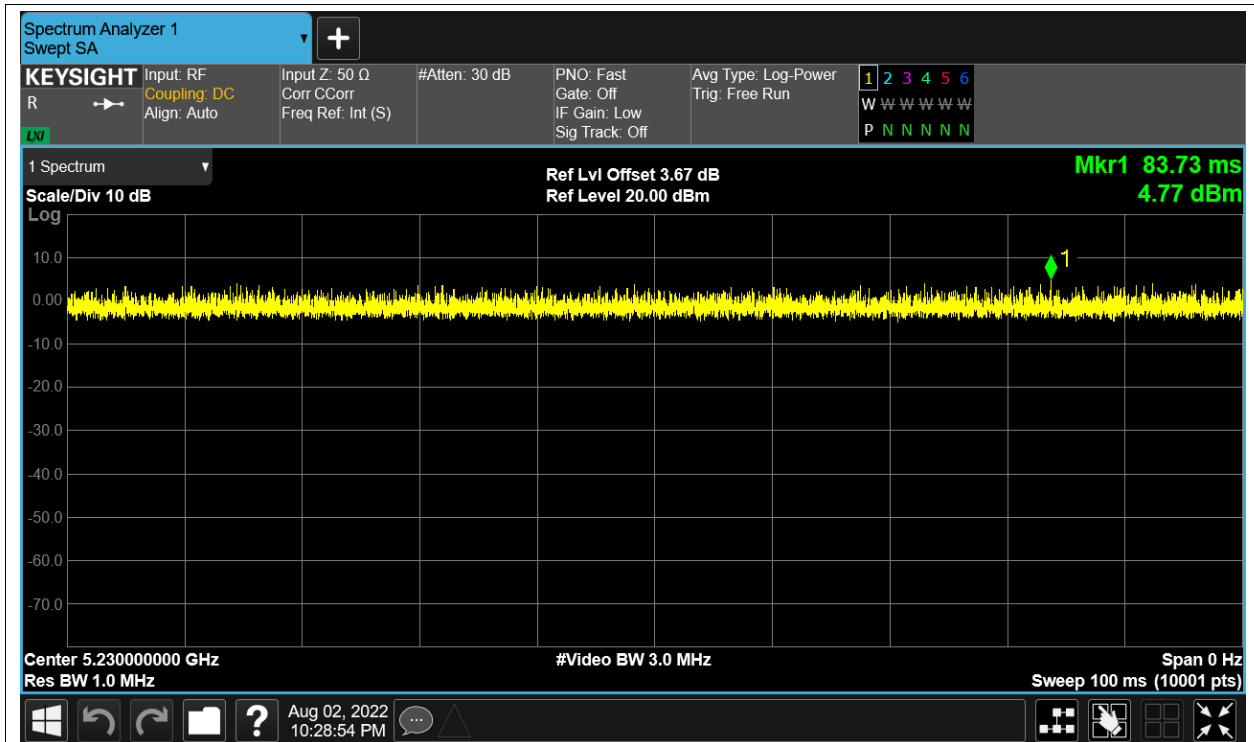
Duty Cycle NVNT ac20 5240MHz Sum



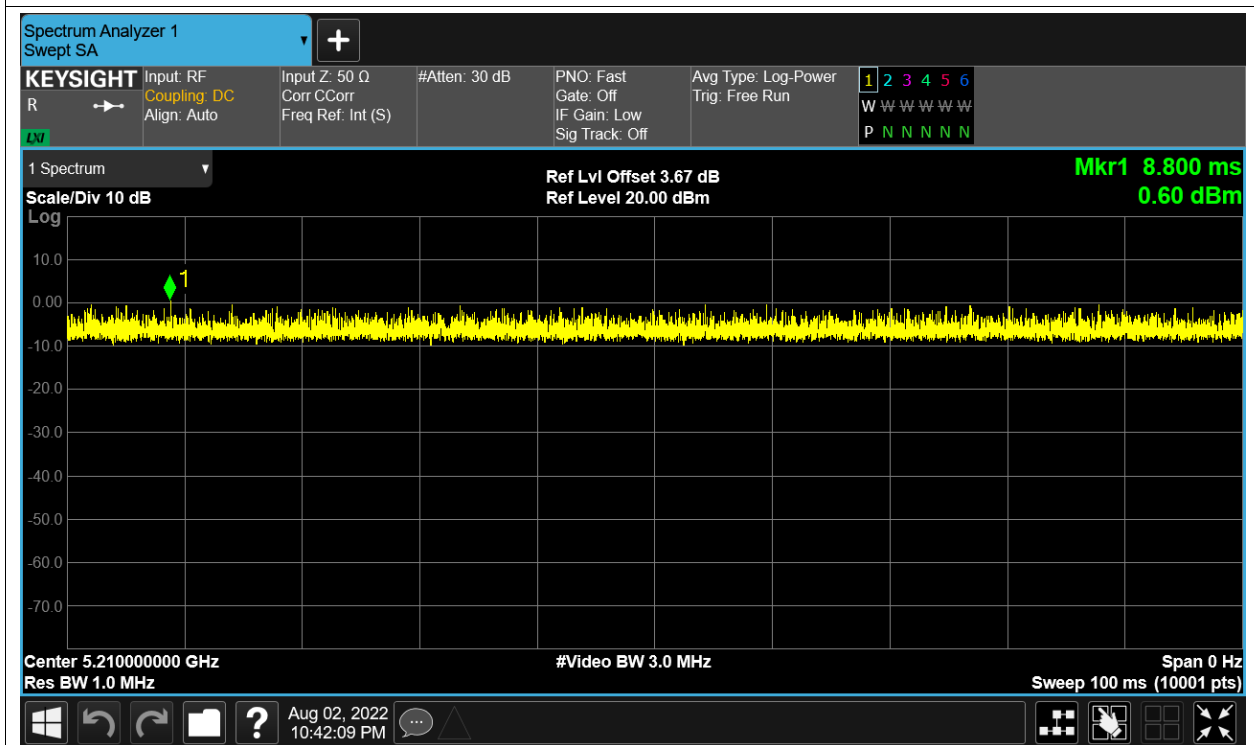
Duty Cycle NVNT ac40 5190MHz Sum



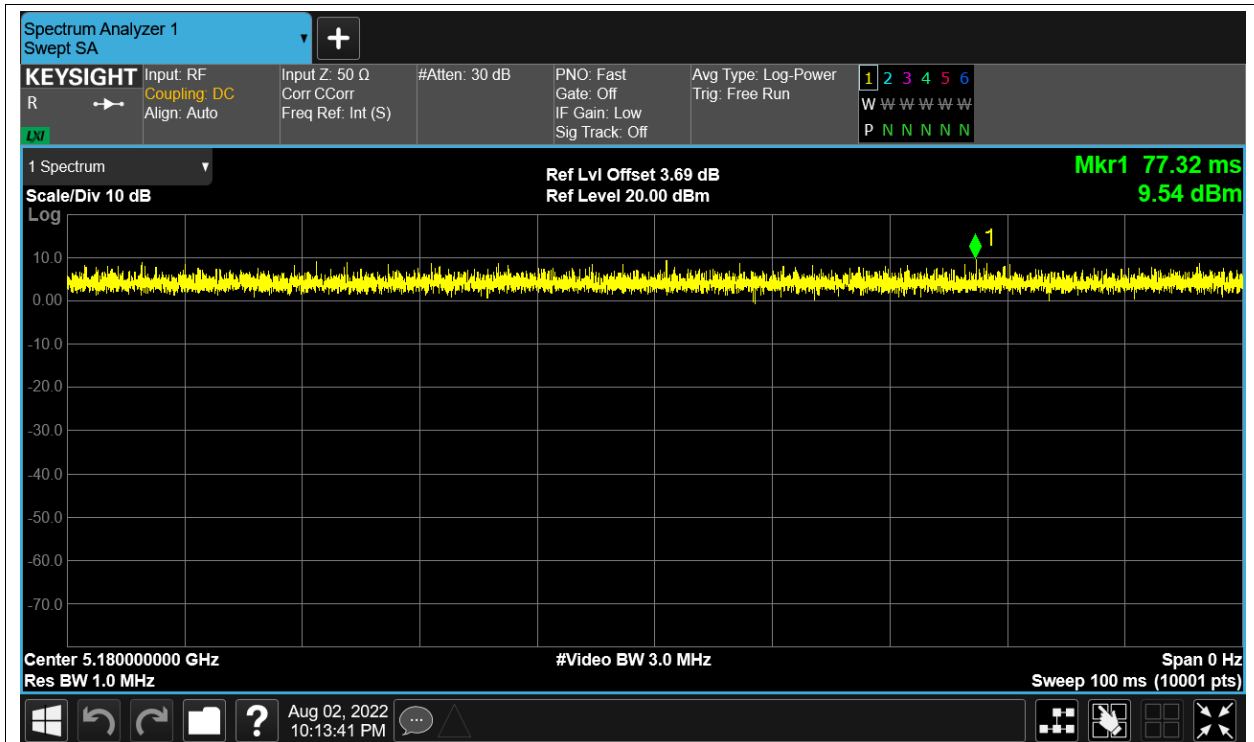
Duty Cycle NVNT ac40 5230MHz Sum



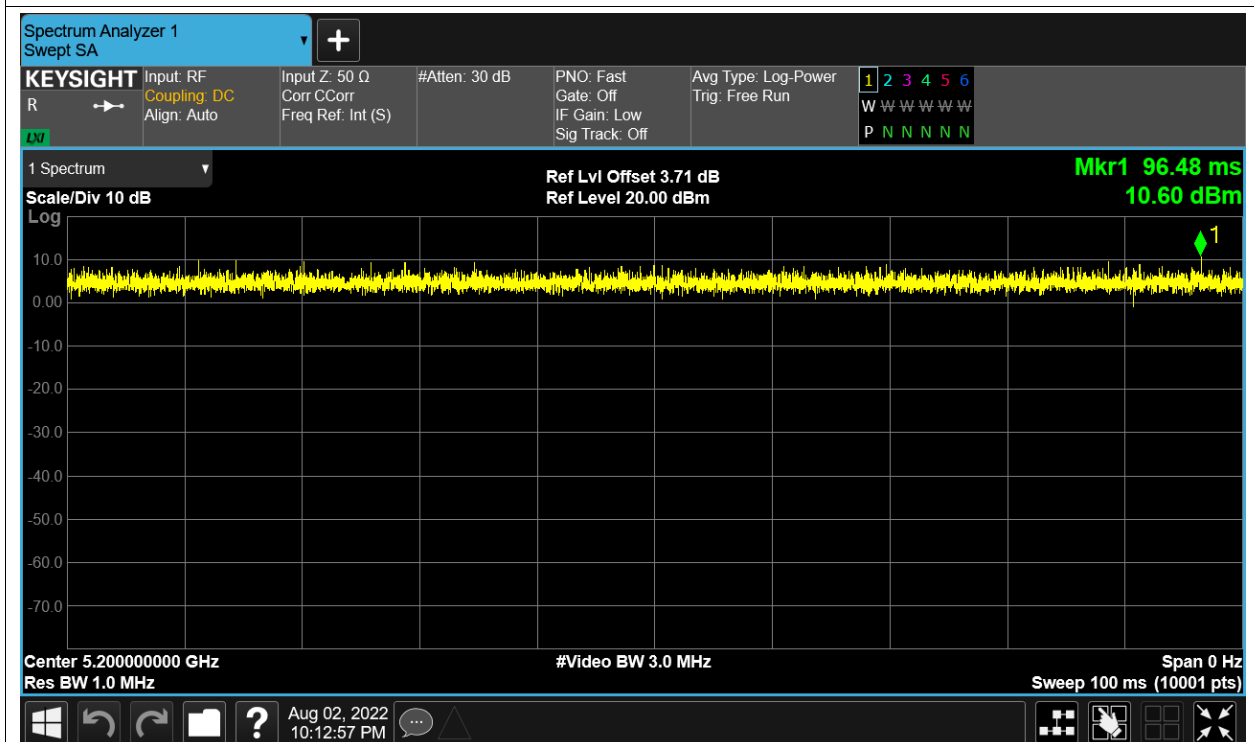
Duty Cycle NVNT ac80 5210MHz Sum



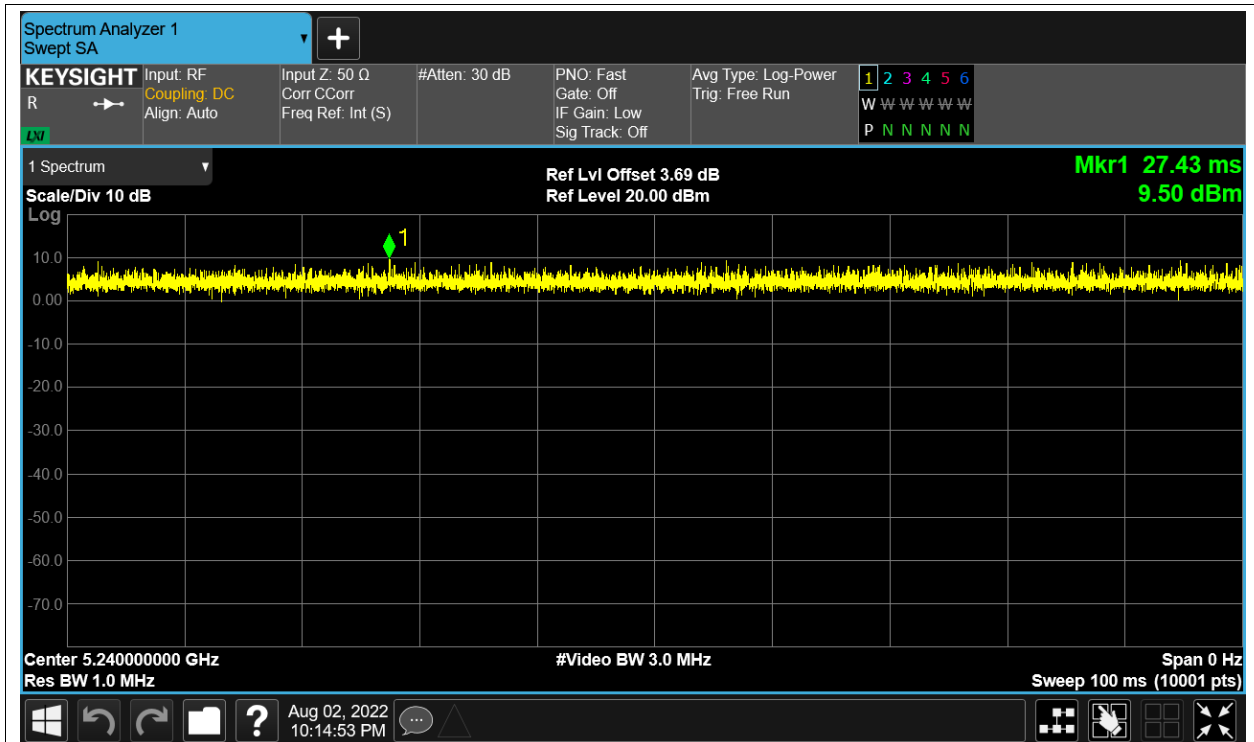
Duty Cycle NVNT ax20 5180MHz Sum



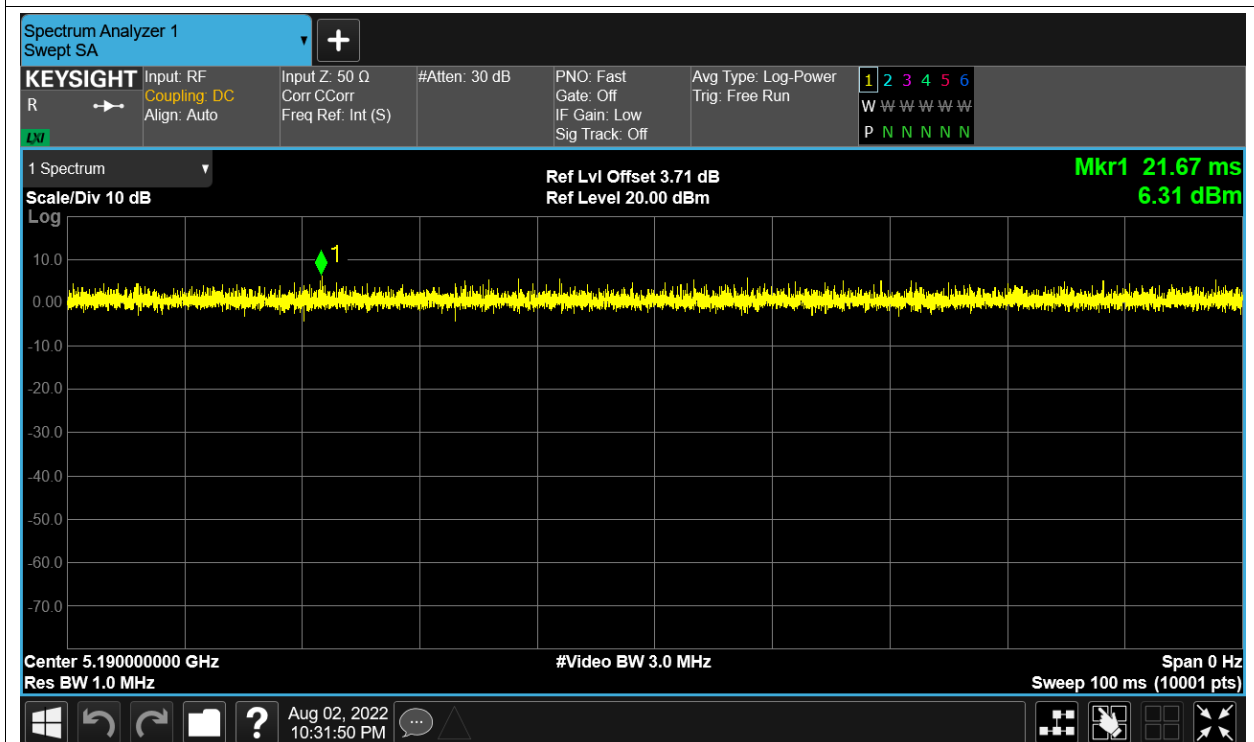
Duty Cycle NVNT ax20 5200MHz Sum



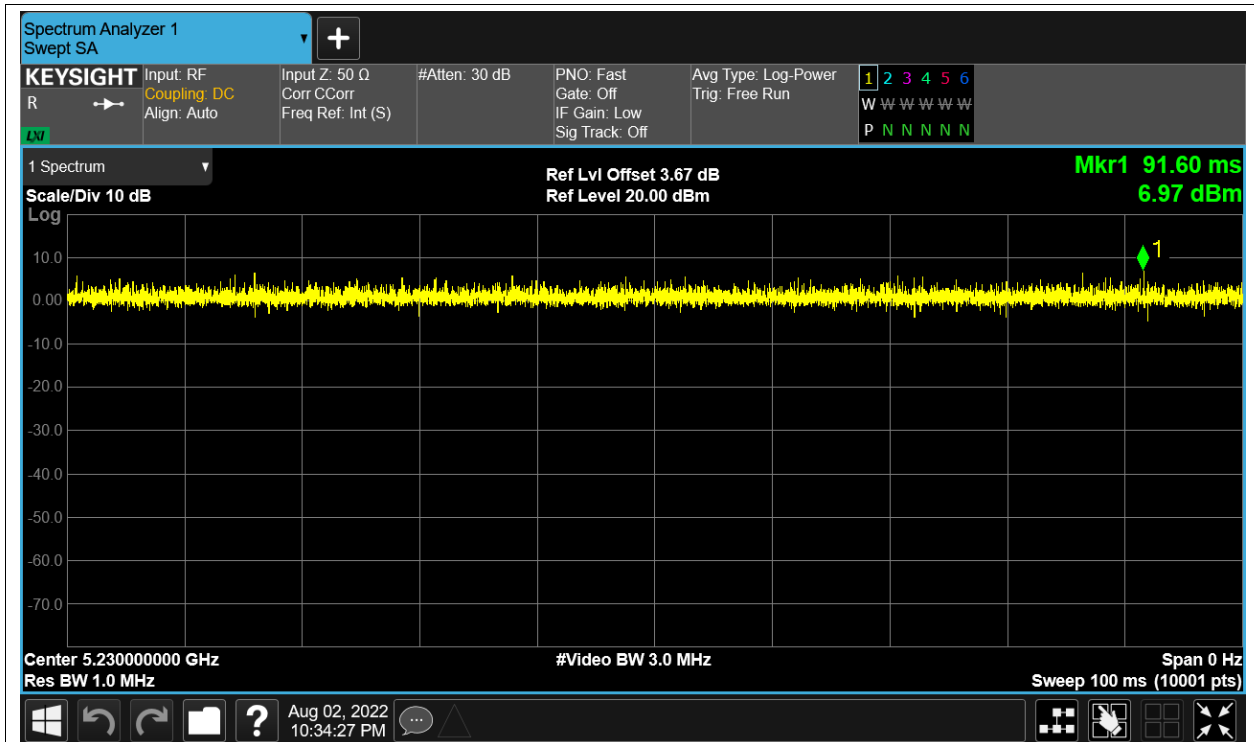
Duty Cycle NVNT ax20 5240MHz Sum



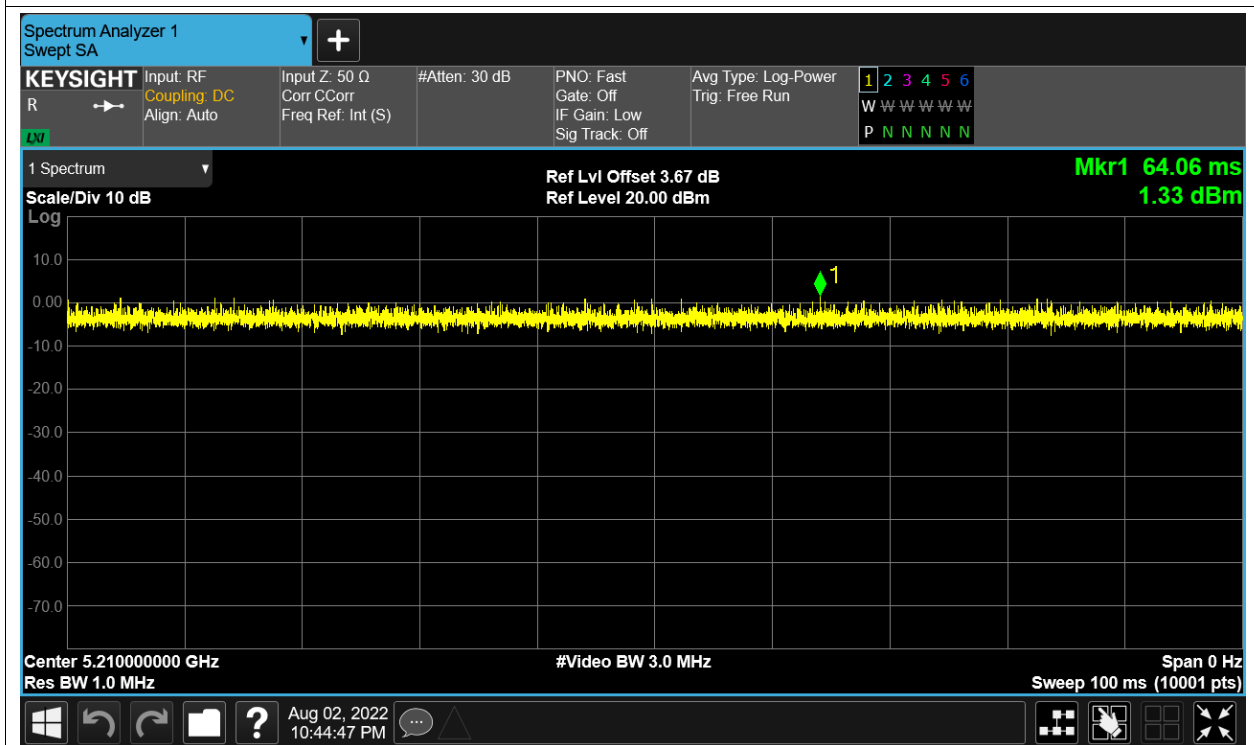
Duty Cycle NVNT ax40 5190MHz Sum



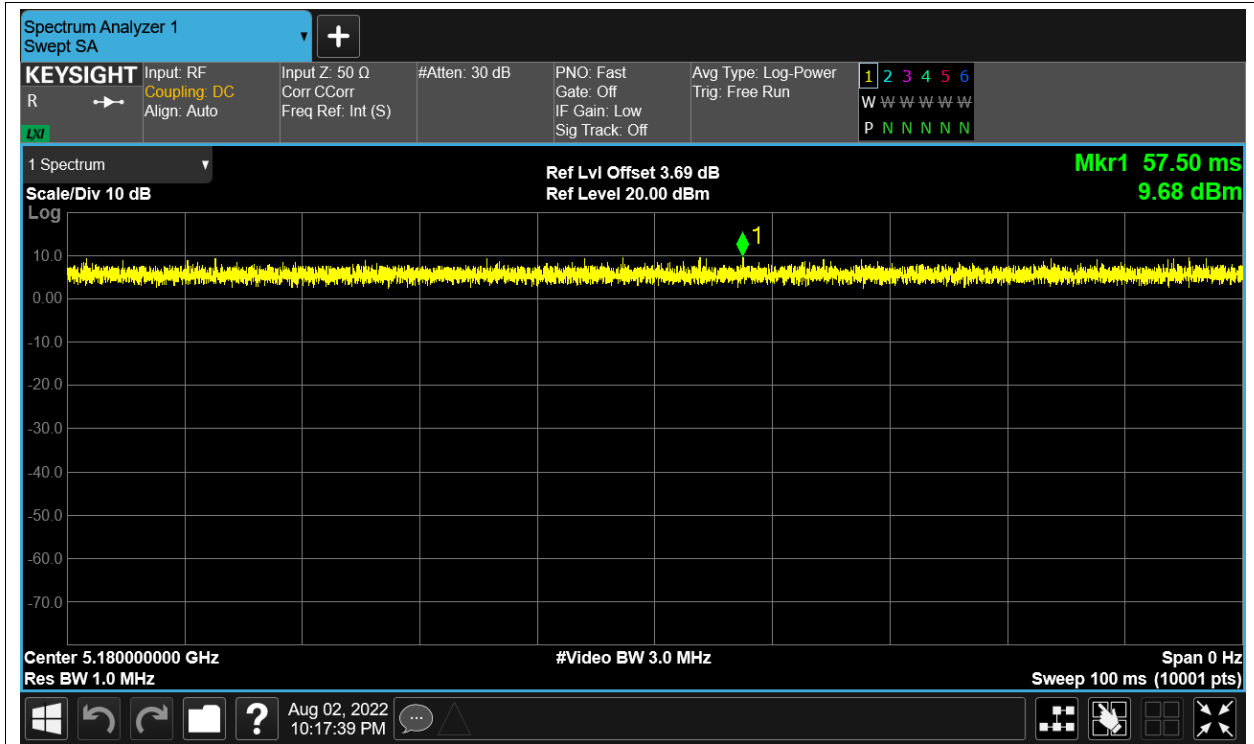
Duty Cycle NVNT ax40 5230MHz Sum



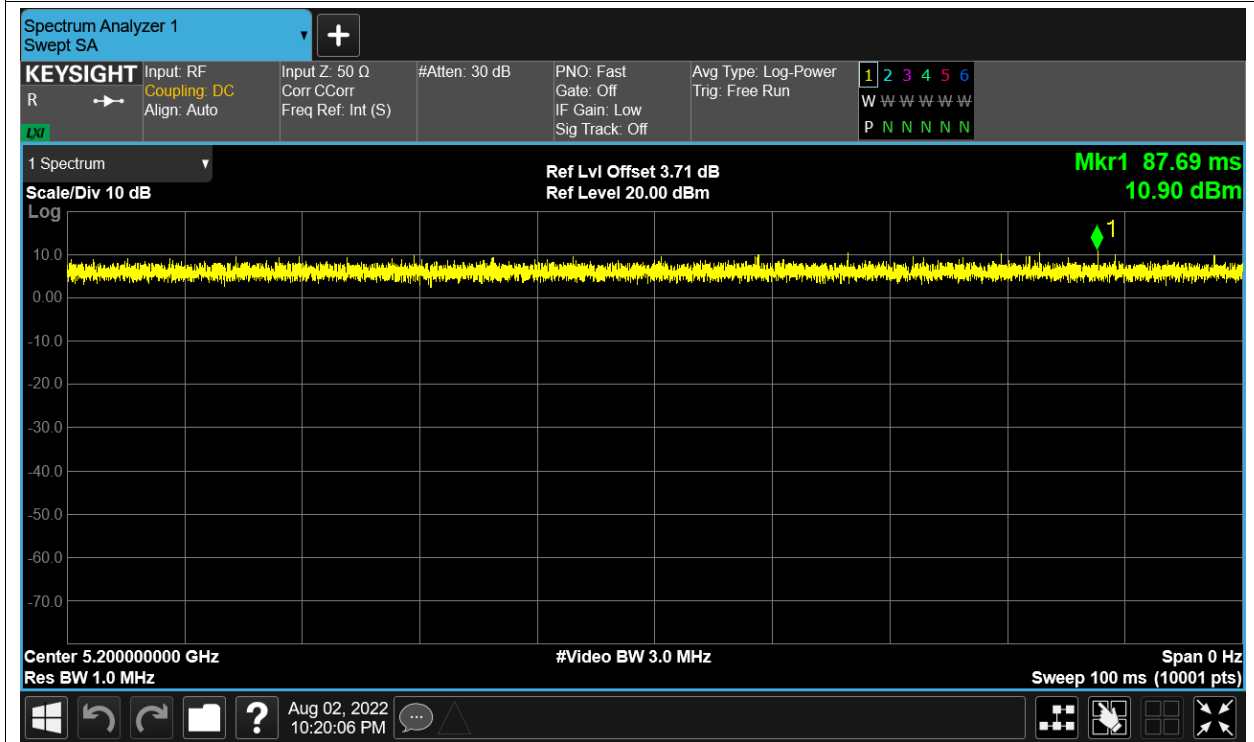
Duty Cycle NVNT ax80 5210MHz Sum



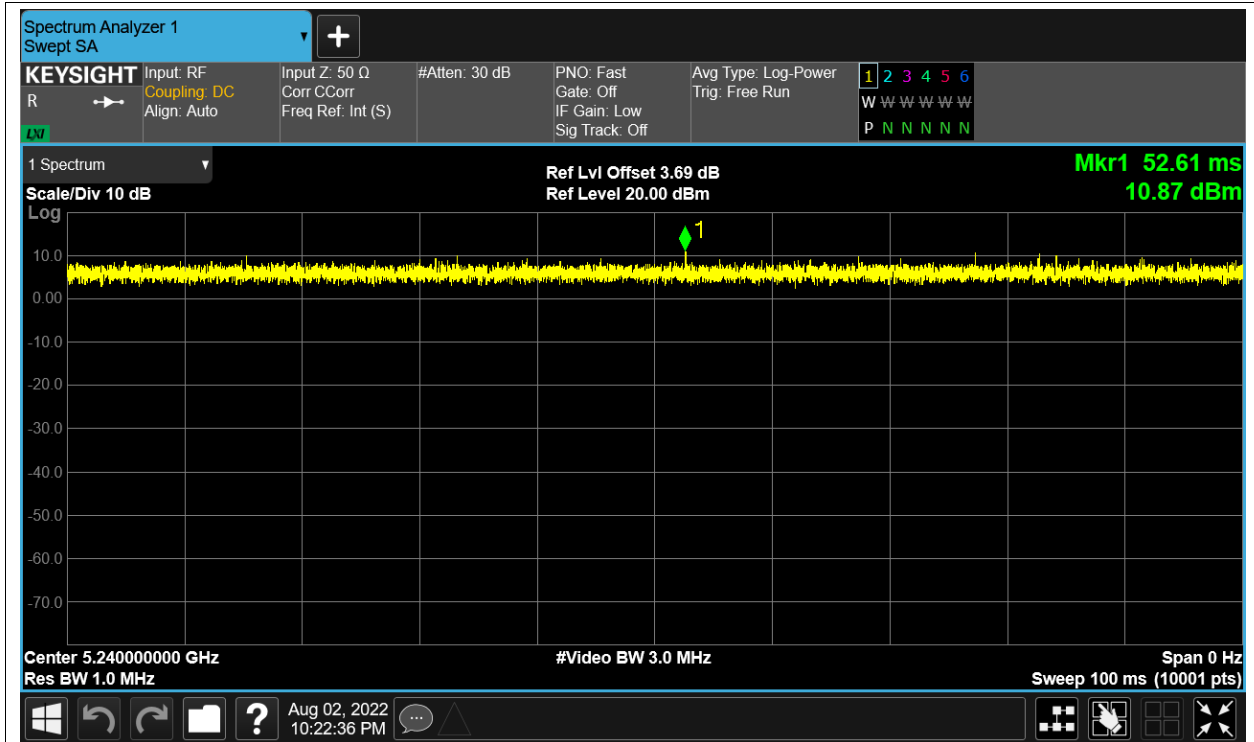
Duty Cycle NVNT n20 5180MHz Sum



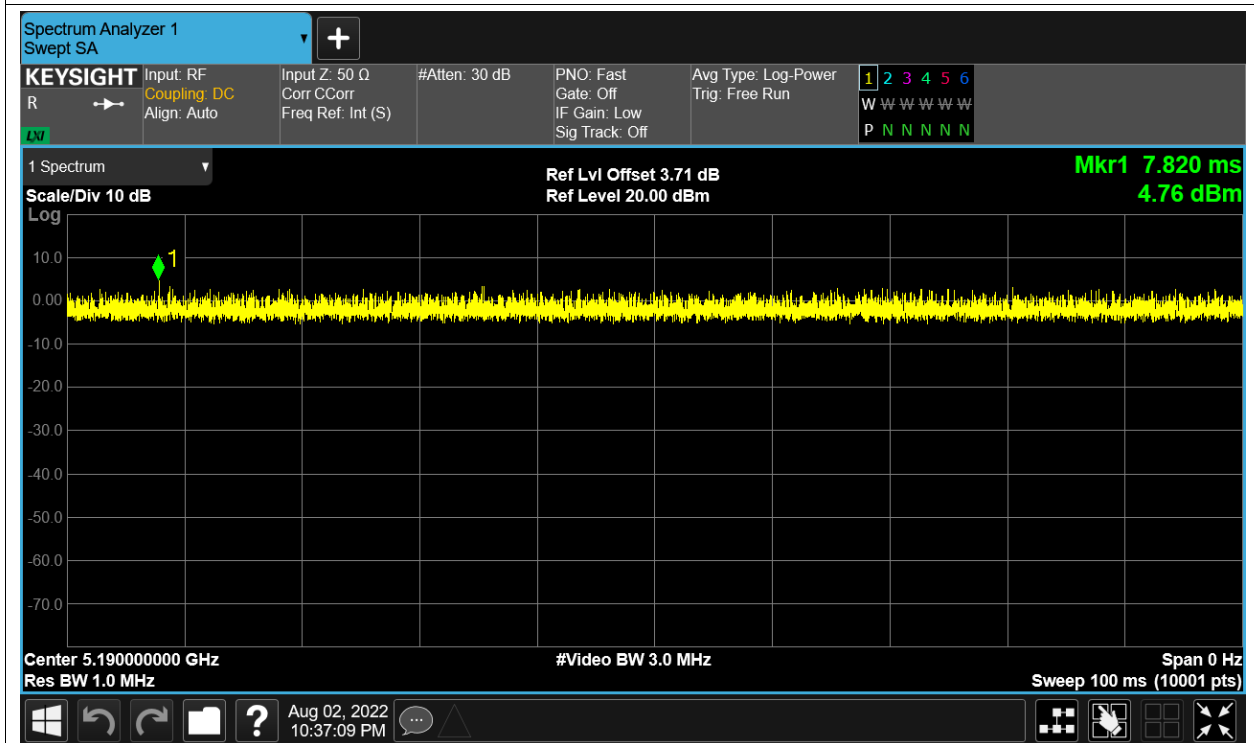
Duty Cycle NVNT n20 5200MHz Sum



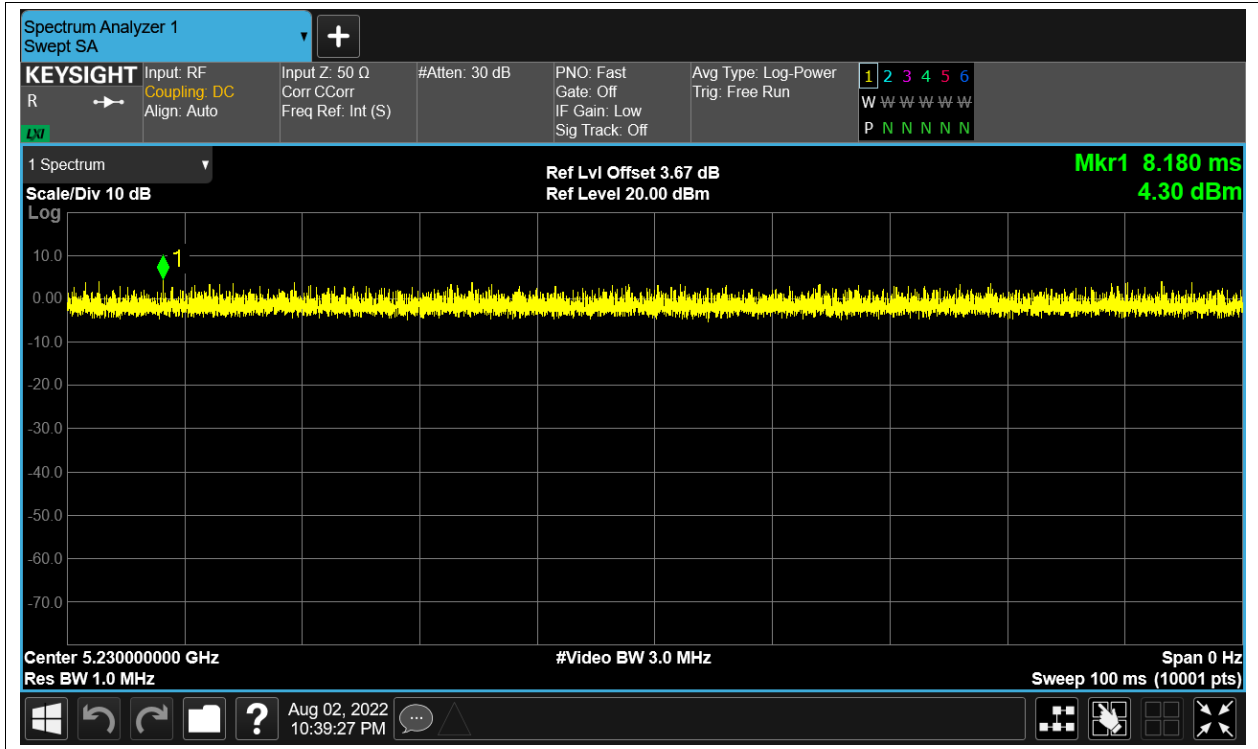
Duty Cycle NVNT n20 5240MHz Sum



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	11.45	0	11.45	24	Pass
NVNT	a	5200	Ant1	12.1	0	12.1	24	Pass
NVNT	a	5240	Ant1	11.77	0	11.77	24	Pass
NVNT	a	5180	Ant2	11.27	0	11.27	24	Pass
NVNT	a	5200	Ant2	12.44	0	12.44	24	Pass
NVNT	a	5240	Ant2	12.38	0	12.38	24	Pass
NVNT	ac20	5180	Ant1	10.06	0	10.06	24	Pass
NVNT	ac20	5180	Ant2	9.34	0	9.34	24	Pass
NVNT	ac20	5180	Sum	12.725	0	12.725	24	Pass
NVNT	ac20	5200	Ant1	10.33	0	10.33	24	Pass
NVNT	ac20	5200	Ant2	8.54	0	8.54	24	Pass
NVNT	ac20	5200	Sum	12.537	0	12.537	24	Pass
NVNT	ac20	5240	Ant1	10.15	0	10.15	24	Pass
NVNT	ac20	5240	Ant2	8.71	0	8.71	24	Pass
NVNT	ac20	5240	Sum	12.5	0	12.5	24	Pass
NVNT	ac40	5190	Ant1	9.09	0	9.09	24	Pass
NVNT	ac40	5190	Ant2	7.99	0	7.99	24	Pass
NVNT	ac40	5190	Sum	11.585	0	11.585	24	Pass
NVNT	ac40	5230	Ant1	9.25	0	9.25	24	Pass
NVNT	ac40	5230	Ant2	7.88	0	7.88	24	Pass
NVNT	ac40	5230	Sum	11.629	0	11.629	24	Pass
NVNT	ac80	5210	Ant1	8.88	0	8.88	24	Pass
NVNT	ac80	5210	Ant2	7.4	0	7.4	24	Pass
NVNT	ac80	5210	Sum	11.213	0	11.213	24	Pass
NVNT	ax20	5180	Ant1	8.22	0	8.22	24	Pass
NVNT	ax20	5180	Ant2	7.4	0	7.4	24	Pass
NVNT	ax20	5180	Sum	10.84	0	10.84	24	Pass
NVNT	ax20	5200	Ant1	9	0	9	24	Pass
NVNT	ax20	5200	Ant2	7.19	0	7.19	24	Pass
NVNT	ax20	5200	Sum	11.199	0	11.199	24	Pass
NVNT	ax20	5240	Ant1	8.51	0	8.51	24	Pass
NVNT	ax20	5240	Ant2	7.11	0	7.11	24	Pass
NVNT	ax20	5240	Sum	10.876	0	10.876	24	Pass
NVNT	ax40	5190	Ant1	8.35	0	8.35	24	Pass
NVNT	ax40	5190	Ant2	7.17	0	7.17	24	Pass
NVNT	ax40	5190	Sum	10.81	0	10.81	24	Pass
NVNT	ax40	5230	Ant1	8.66	0	8.66	24	Pass
NVNT	ax40	5230	Ant2	7.28	0	7.28	24	Pass
NVNT	ax40	5230	Sum	11.035	0	11.035	24	Pass
NVNT	ax80	5210	Ant1	8.44	0	8.44	24	Pass

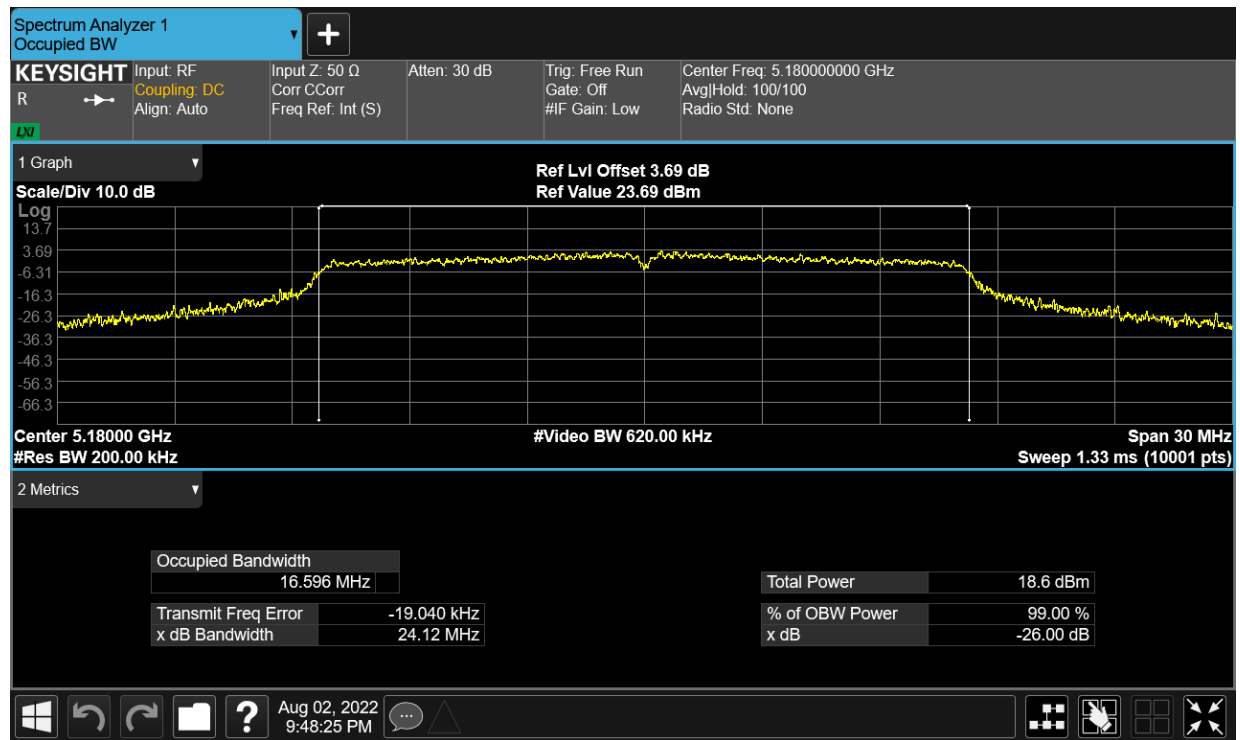
NVNT	ax80	5210	Ant2	6.98	0	6.98	24	Pass
NVNT	ax80	5210	Sum	10.781	0	10.781	24	Pass
NVNT	n20	5180	Ant1	9.97	0	9.97	24	Pass
NVNT	n20	5180	Ant2	9.25	0	9.25	24	Pass
NVNT	n20	5180	Sum	12.635	0	12.635	24	Pass
NVNT	n20	5200	Ant1	10.49	0	10.49	24	Pass
NVNT	n20	5200	Ant2	8.77	0	8.77	24	Pass
NVNT	n20	5200	Sum	12.725	0	12.725	24	Pass
NVNT	n20	5240	Ant1	10.22	0	10.22	24	Pass
NVNT	n20	5240	Ant2	8.96	0	8.96	24	Pass
NVNT	n20	5240	Sum	12.646	0	12.646	24	Pass
NVNT	n40	5190	Ant1	9.03	0	9.03	24	Pass
NVNT	n40	5190	Ant2	7.83	0	7.83	24	Pass
NVNT	n40	5190	Sum	11.482	0	11.482	24	Pass
NVNT	n40	5230	Ant1	9.28	0	9.28	24	Pass
NVNT	n40	5230	Ant2	7.89	0	7.89	24	Pass
NVNT	n40	5230	Sum	11.651	0	11.651	24	Pass

Occupied Channel Bandwidth

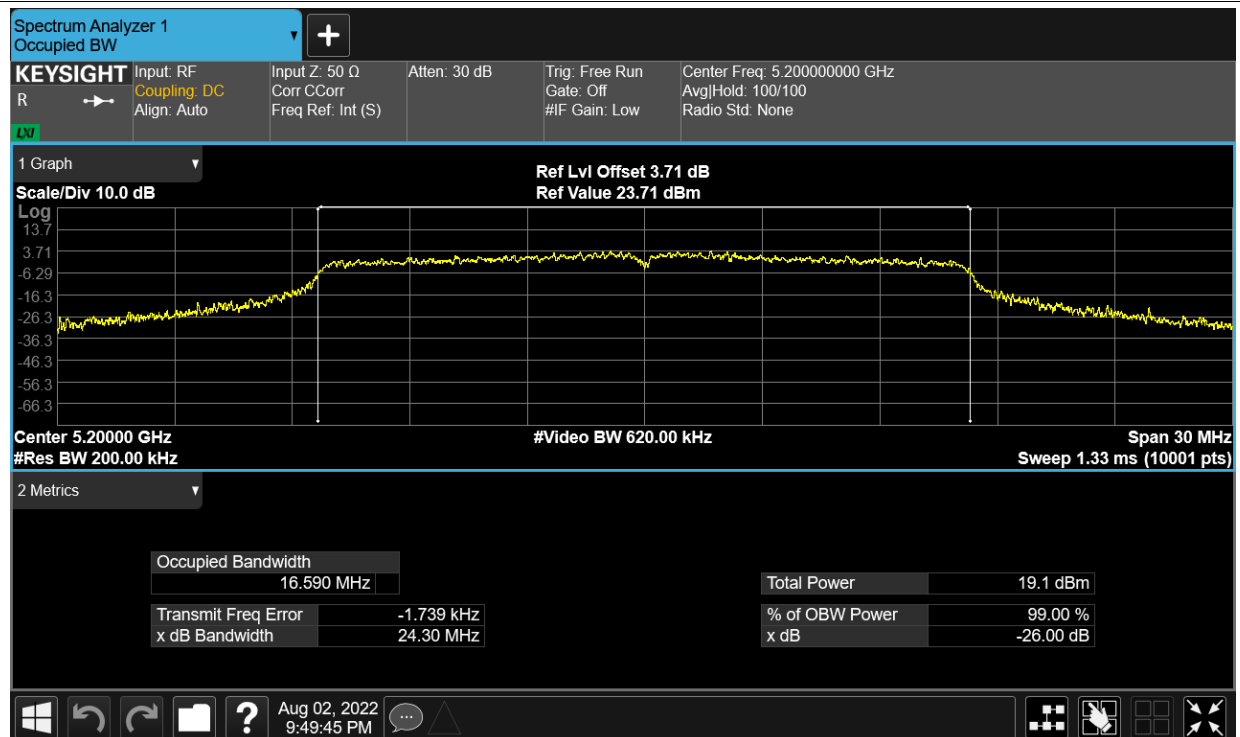
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.59550268
NVNT	a	5200	Ant1	16.58966901
NVNT	a	5240	Ant1	16.58625866
NVNT	a	5180	Ant2	16.55089584
NVNT	a	5200	Ant2	16.54636844
NVNT	a	5240	Ant2	16.6008857
NVNT	ac20	5180	Ant1	17.76310024
NVNT	ac20	5180	Ant2	17.71353736
NVNT	ac20	5200	Ant1	17.73751264
NVNT	ac20	5200	Ant2	17.68275218
NVNT	ac20	5240	Ant1	17.76241424
NVNT	ac20	5240	Ant2	17.71153336
NVNT	ac40	5190	Ant1	35.87345086
NVNT	ac40	5190	Ant2	35.82160036
NVNT	ac40	5230	Ant1	35.89210811
NVNT	ac40	5230	Ant2	35.79347573
NVNT	ac80	5210	Ant1	75.45517095
NVNT	ac80	5210	Ant2	75.48000864
NVNT	ax20	5180	Ant1	18.8480731
NVNT	ax20	5180	Ant2	18.81777588
NVNT	ax20	5200	Ant1	18.81812954
NVNT	ax20	5200	Ant2	18.84929485
NVNT	ax20	5240	Ant1	18.86319922
NVNT	ax20	5240	Ant2	18.81313687
NVNT	ax40	5190	Ant1	37.47746145
NVNT	ax40	5190	Ant2	37.53183627
NVNT	ax40	5230	Ant1	37.48605754
NVNT	ax40	5230	Ant2	37.49314458
NVNT	ax80	5210	Ant1	77.0941583
NVNT	ax80	5210	Ant2	77.23353331
NVNT	n20	5180	Ant1	17.74924537
NVNT	n20	5180	Ant2	17.70037736
NVNT	n20	5200	Ant1	17.77042481
NVNT	n20	5200	Ant2	17.6838343
NVNT	n20	5240	Ant1	17.76121765
NVNT	n20	5240	Ant2	17.70657386
NVNT	n40	5190	Ant1	35.8985659
NVNT	n40	5190	Ant2	35.91039682
NVNT	n40	5230	Ant1	35.86470082
NVNT	n40	5230	Ant2	35.84320306

Test Graphs

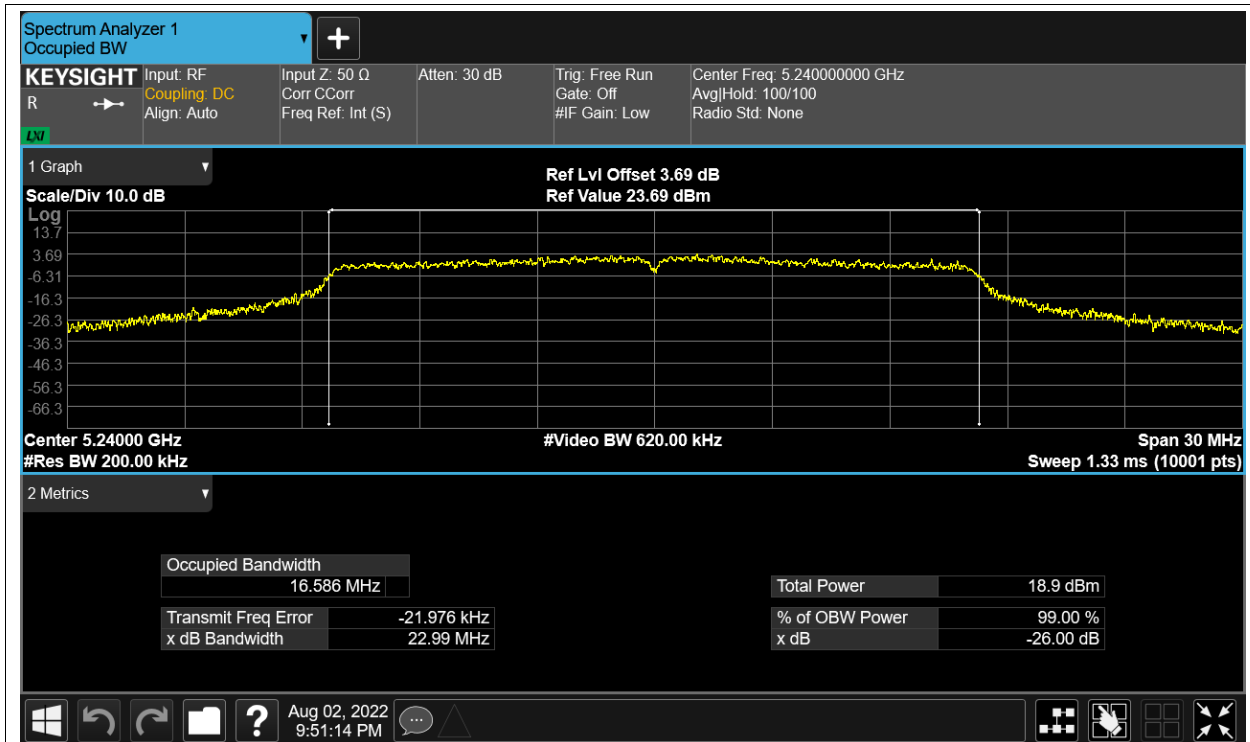
OBW NVNT a 5180MHz Ant1



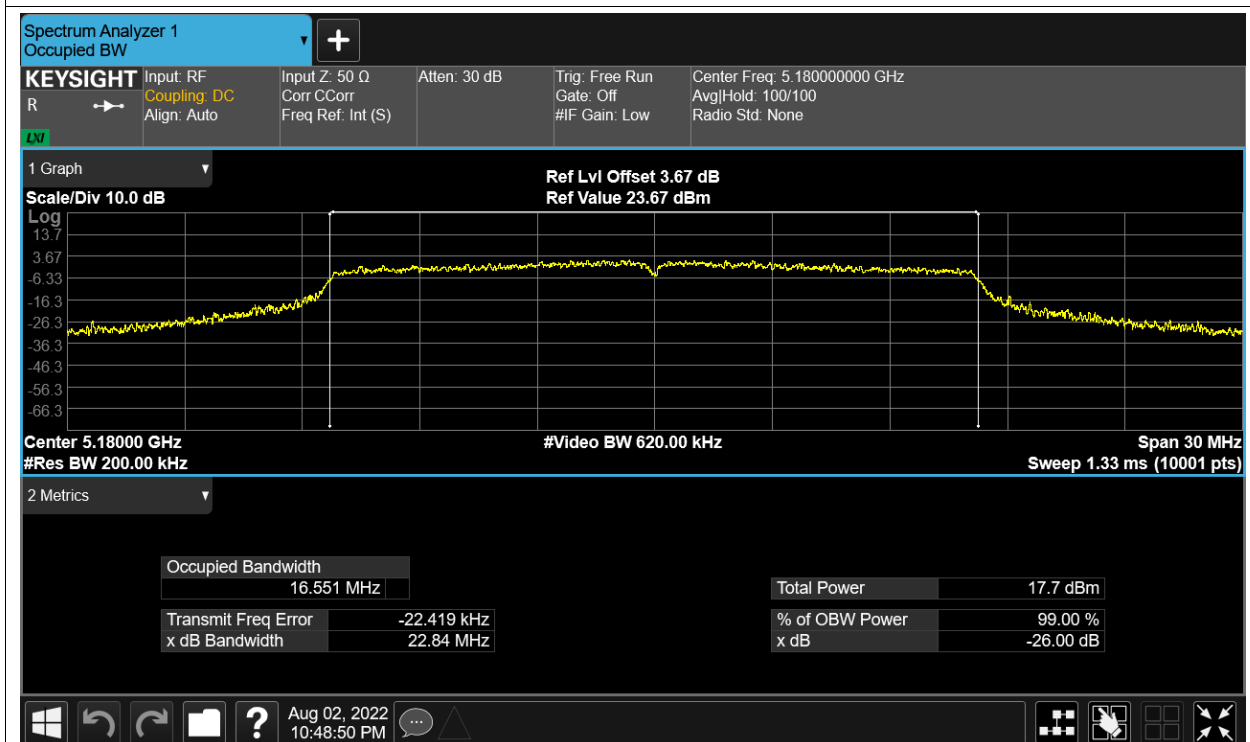
OBW NVNT a 5200MHz Ant1



OBW NVNT a 5240MHz Ant1



OBW NVNT a 5180MHz Ant2



OBW NVNT a 5200MHz Ant2