

Test Data

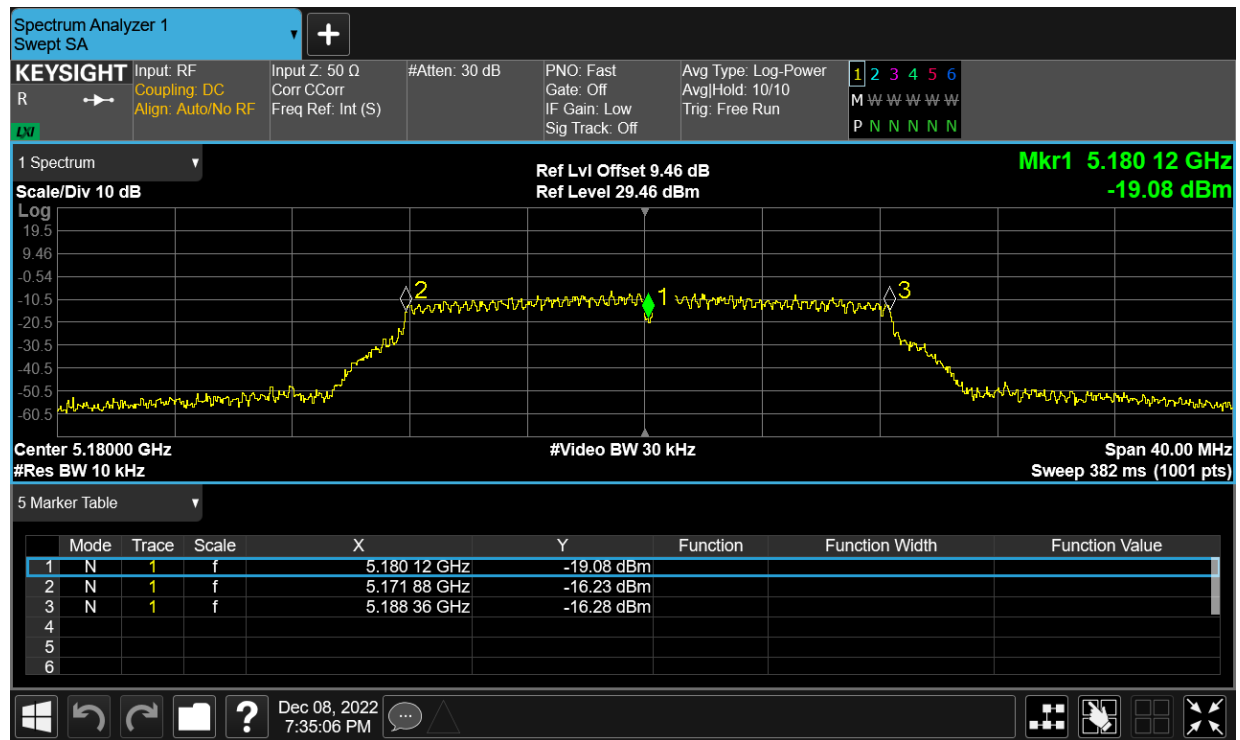
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5180.12	23.17	Within authorized band	Pass
HVNT	a	5180	Ant2	5180.12	23.17		Pass
LVNT	a	5180	Ant1	5180.12	23.17		Pass
LVNT	a	5180	Ant2	5180.12	23.17		Pass
NVHT	a	5180	Ant1	5180.12	23.17		Pass
NVHT	a	5180	Ant2	5180.12	23.17		Pass
NVLT	a	5180	Ant1	5180.12	23.17		Pass
NVLT	a	5180	Ant2	5180.12	23.17		Pass
NVNT	a	5180	Ant1	5180.12	23.17		Pass
NVNT	a	5180	Ant2	5180.1	19.31		Pass
HVNT	ac20	5180	Sum	5180.12	23.17		Pass
LVNT	ac20	5180	Sum	5180.12	23.17		Pass
NVHT	ac20	5180	Sum	5180.12	23.17		Pass
NVLT	ac20	5180	Sum	5180.12	23.17		Pass
NVNT	ac20	5180	Sum	5180.12	23.17		Pass
HVNT	ac40	5190	Sum	5189.88	-23.12		Pass
LVNT	ac40	5190	Sum	5189.88	-23.12		Pass
NVHT	ac40	5190	Sum	5189.88	-23.12		Pass
NVLT	ac40	5190	Sum	5189.88	-23.12		Pass
NVNT	ac40	5190	Sum	5189.88	-23.12		Pass
HVNT	ac80	5210	Sum	5209.92	-15.36		Pass
LVNT	ac80	5210	Sum	5209.92	-15.36		Pass
NVHT	ac80	5210	Sum	5209.92	-15.36		Pass
NVLT	ac80	5210	Sum	5209.92	-15.36		Pass
NVNT	ac80	5210	Sum	5209.92	-15.36		Pass
HVNT	n20	5180	Sum	5180.12	23.17		Pass
LVNT	n20	5180	Sum	5180.12	23.17		Pass
NVHT	n20	5180	Sum	5180.12	23.17		Pass
NVLT	n20	5180	Sum	5180.12	23.17		Pass
NVNT	n20	5180	Sum	5180.12	23.17		Pass
HVNT	n40	5190	Sum	5189.88	-23.12		Pass
LVNT	n40	5190	Sum	5189.88	-23.12		Pass
NVHT	n40	5190	Sum	5189.88	-23.12		Pass
NVLT	n40	5190	Sum	5189.88	-23.12		Pass
NVNT	n40	5190	Sum	5189.88	-23.12		Pass

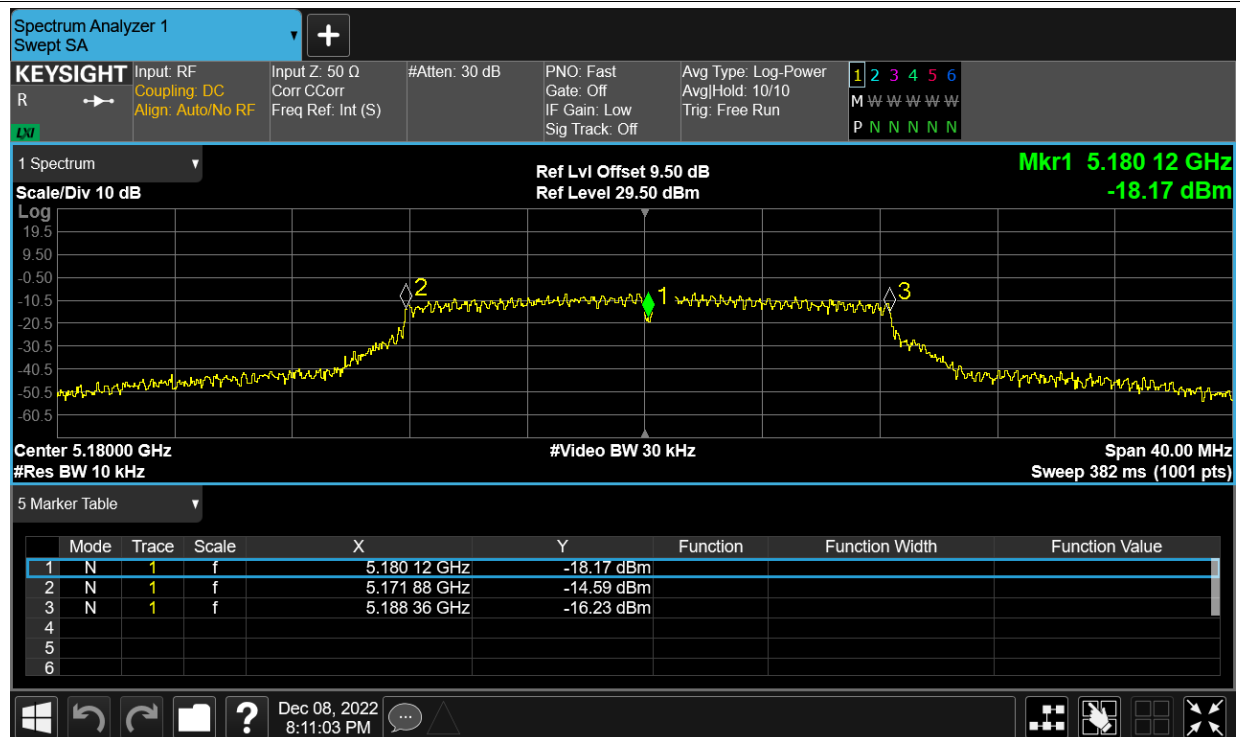
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

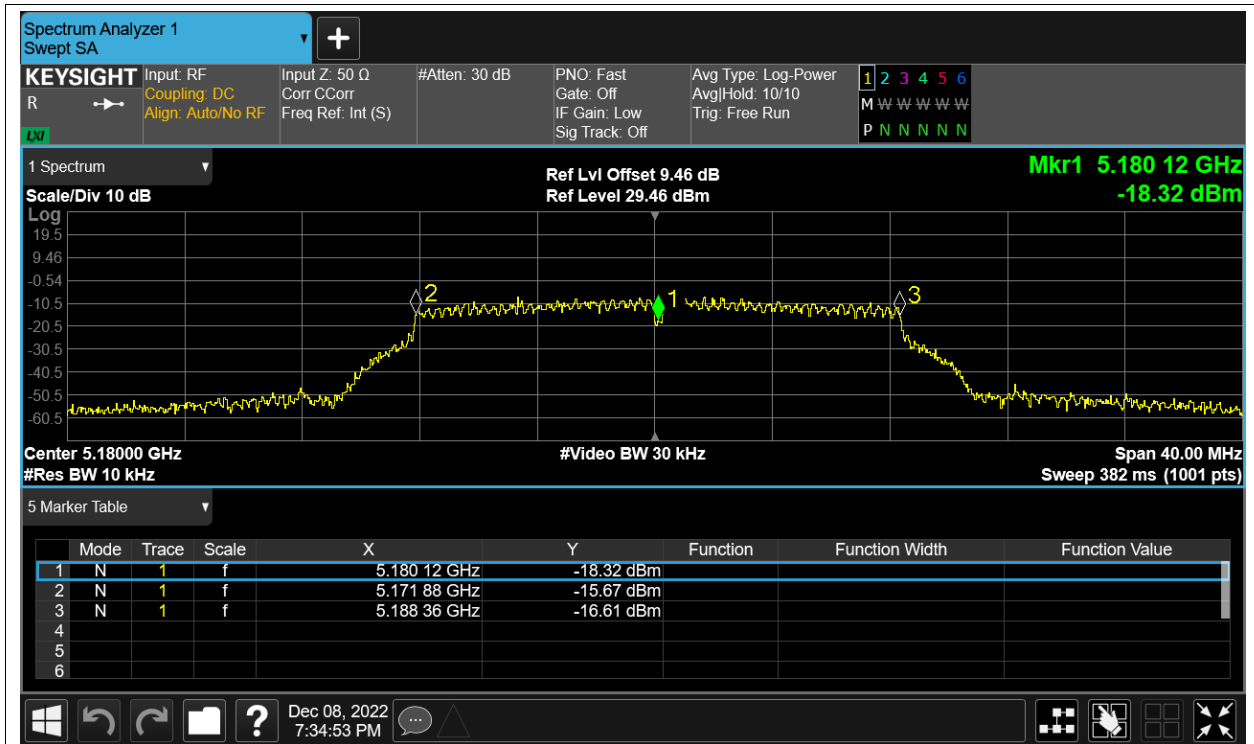
Freq. Stability HVNT a 5180MHz Ant1



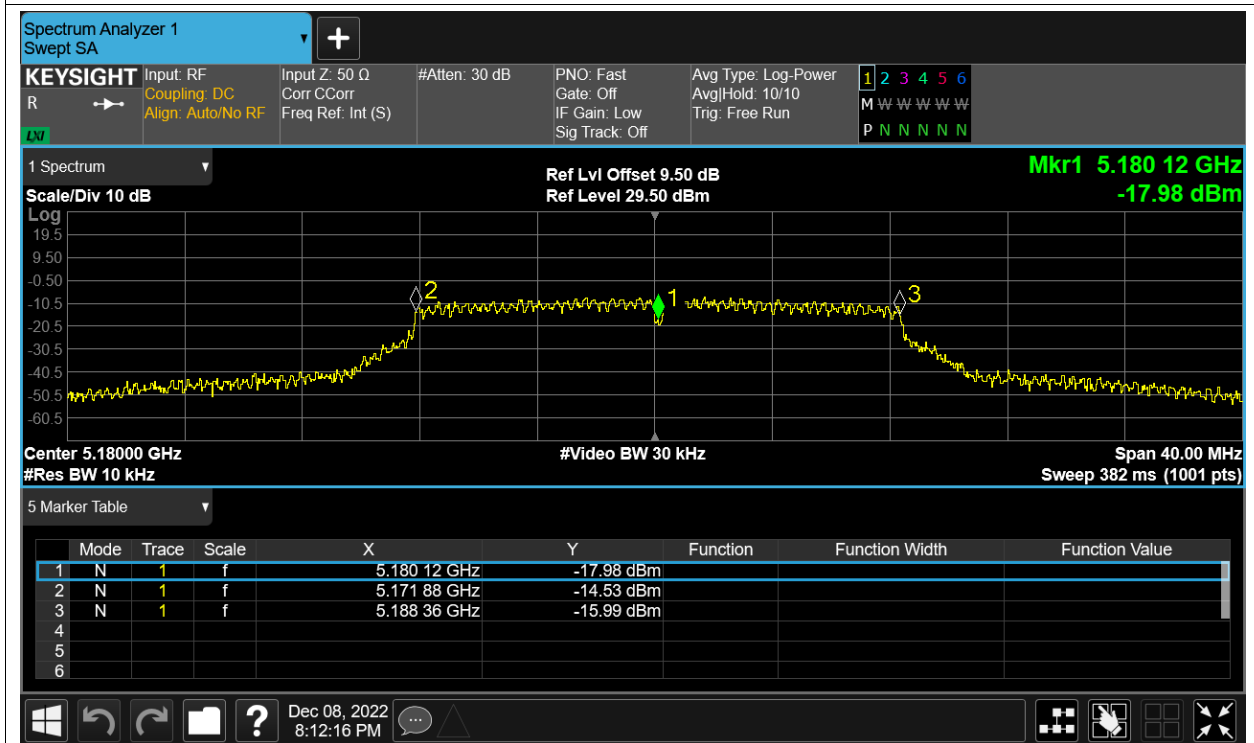
Freq. Stability HVNT a 5180MHz Ant2



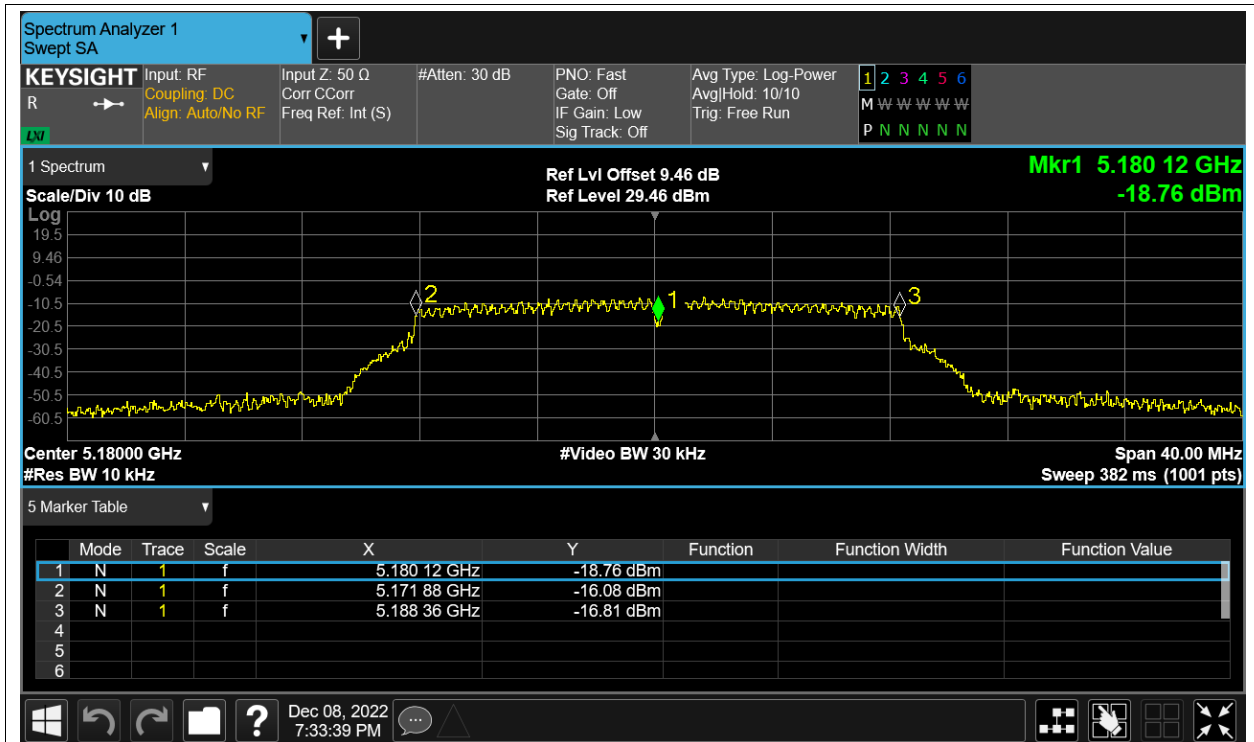
Freq. Stability LVNT a 5180MHz Ant1



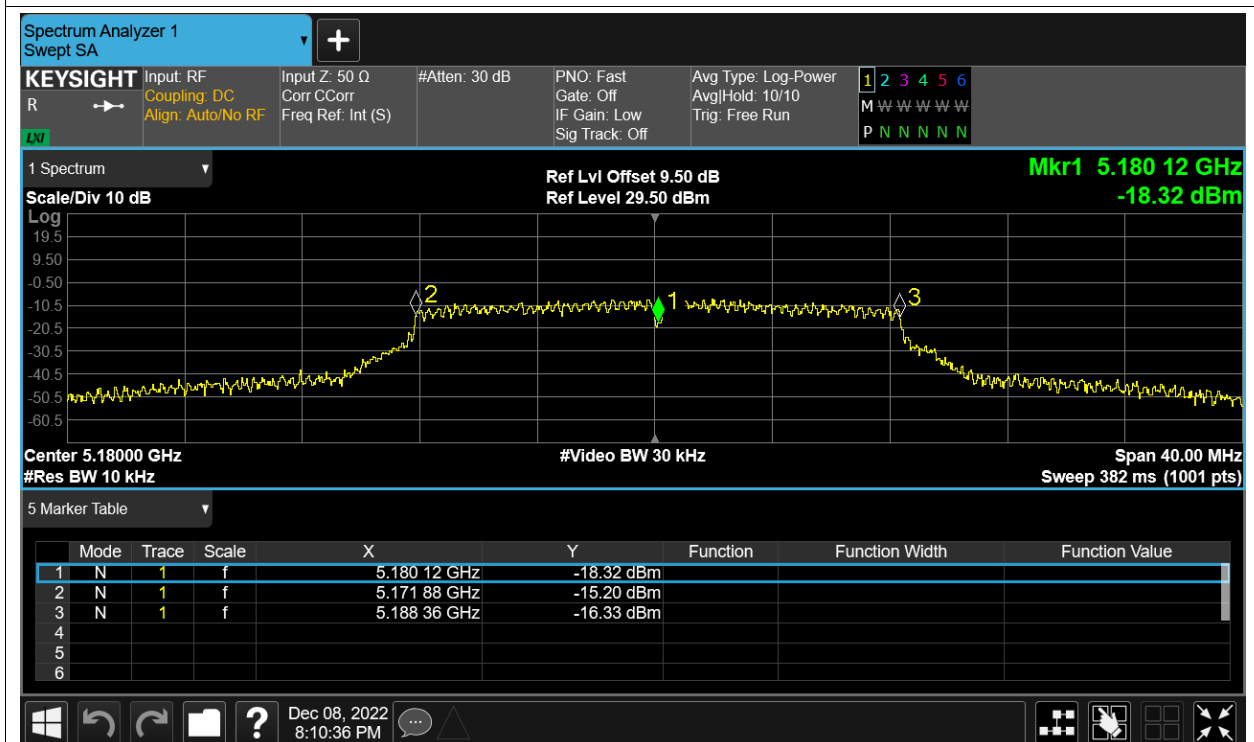
Freq. Stability LVNT a 5180MHz Ant2



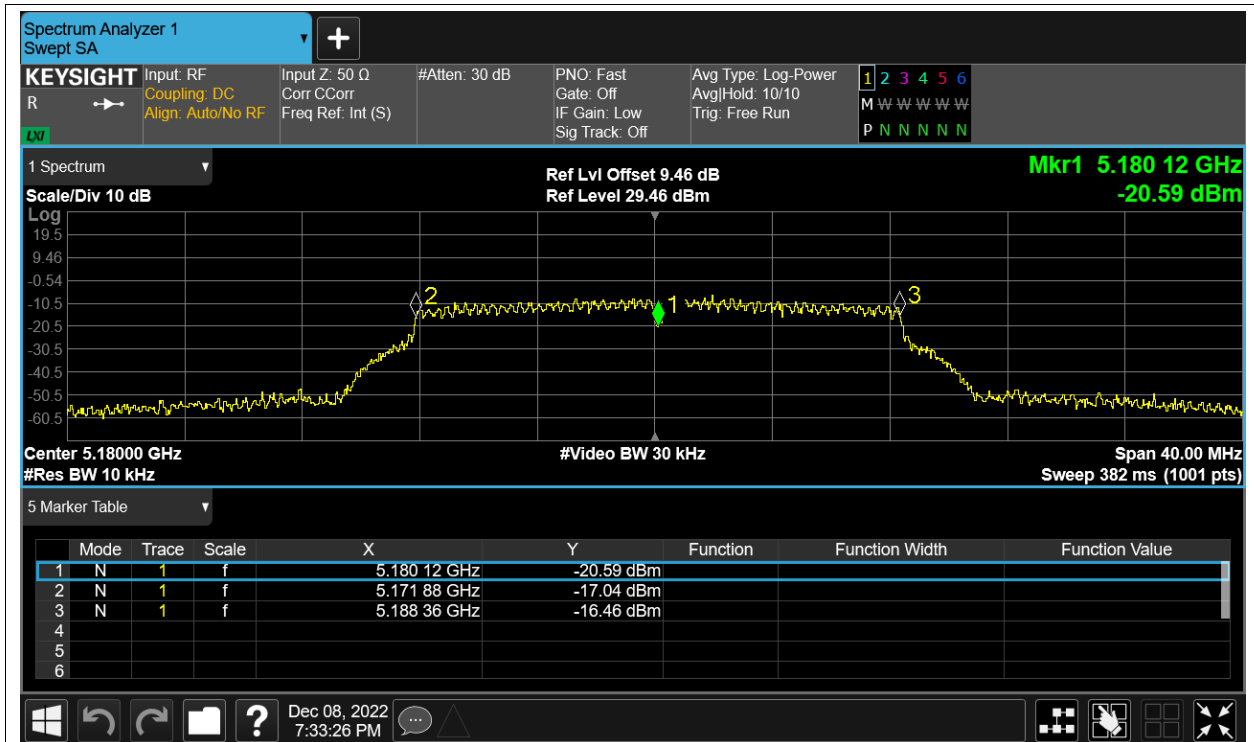
Freq. Stability NVHT a 5180MHz Ant1



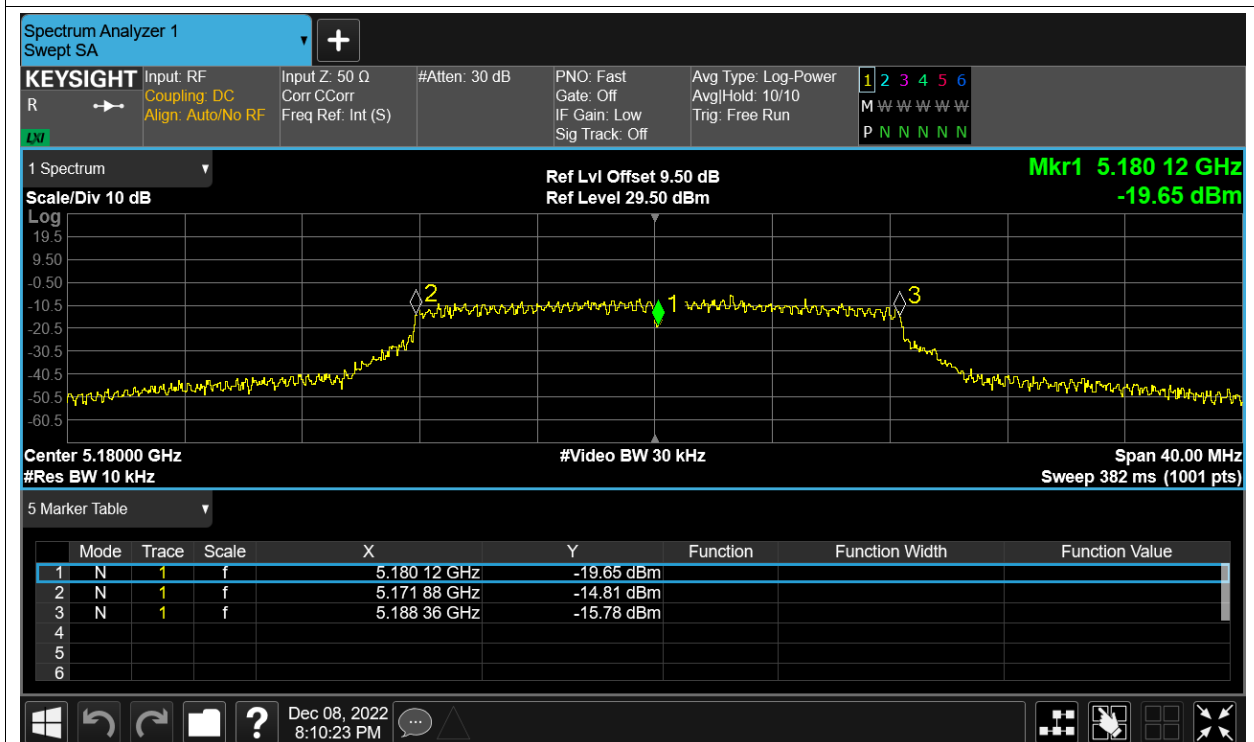
Freq. Stability NVHT a 5180MHz Ant2



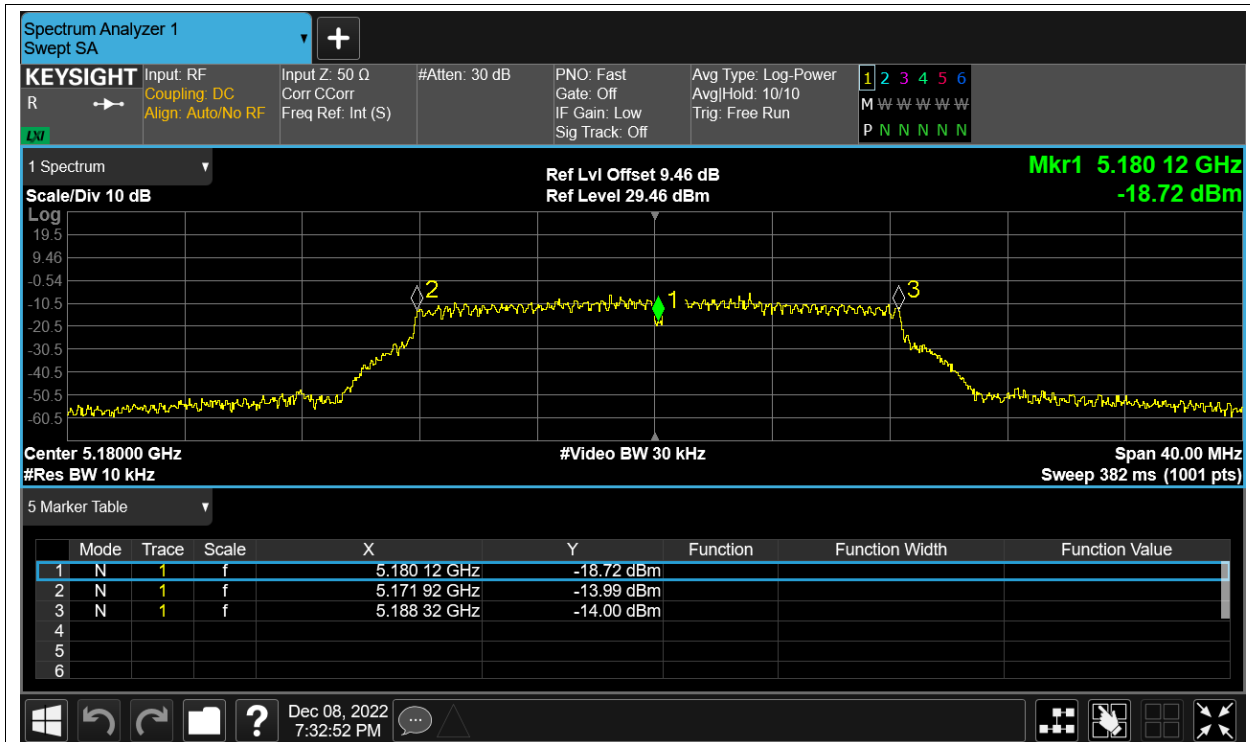
Freq. Stability NVLT a 5180MHz Ant1



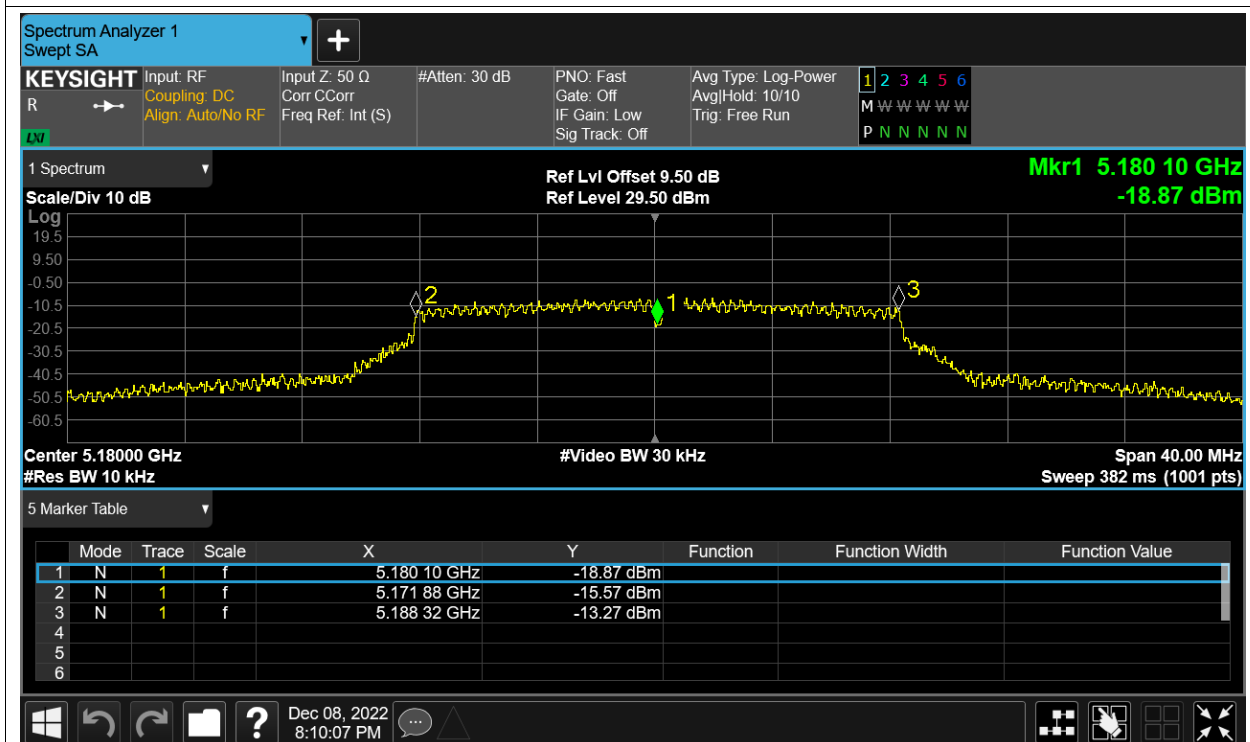
Freq. Stability NVLT a 5180MHz Ant2



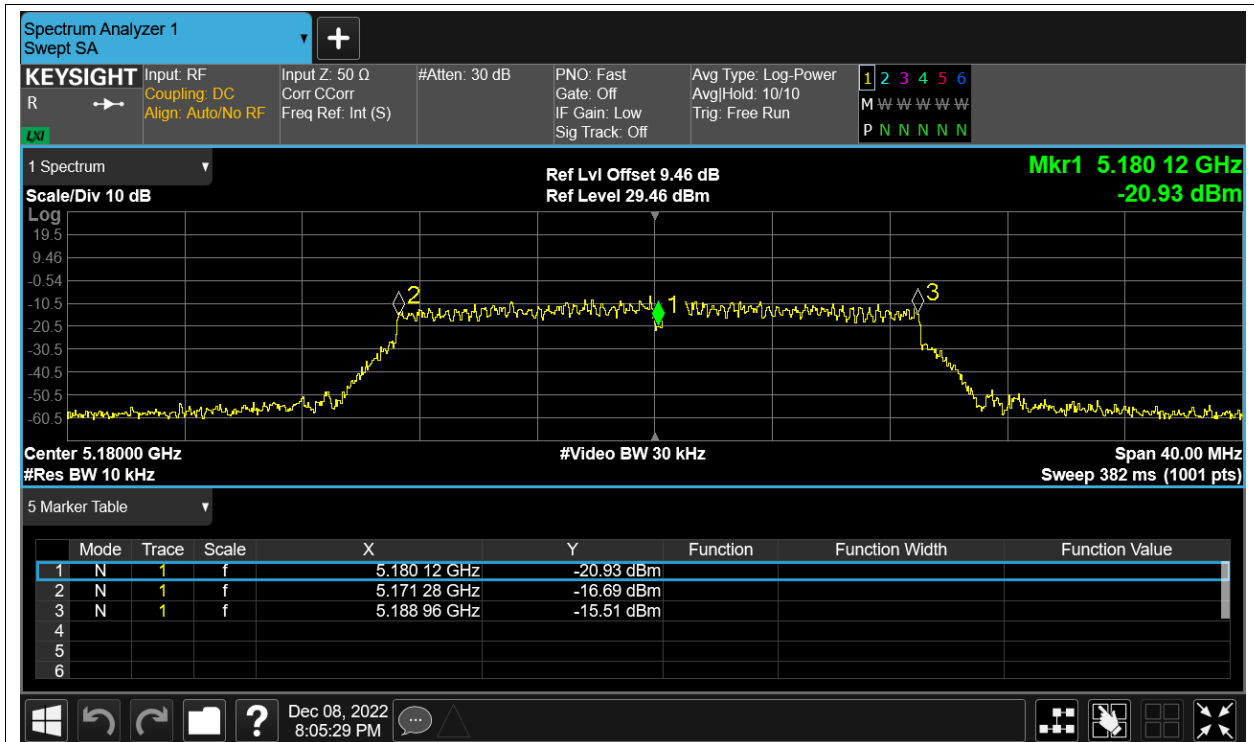
Freq. Stability NVNT a 5180MHz Ant1



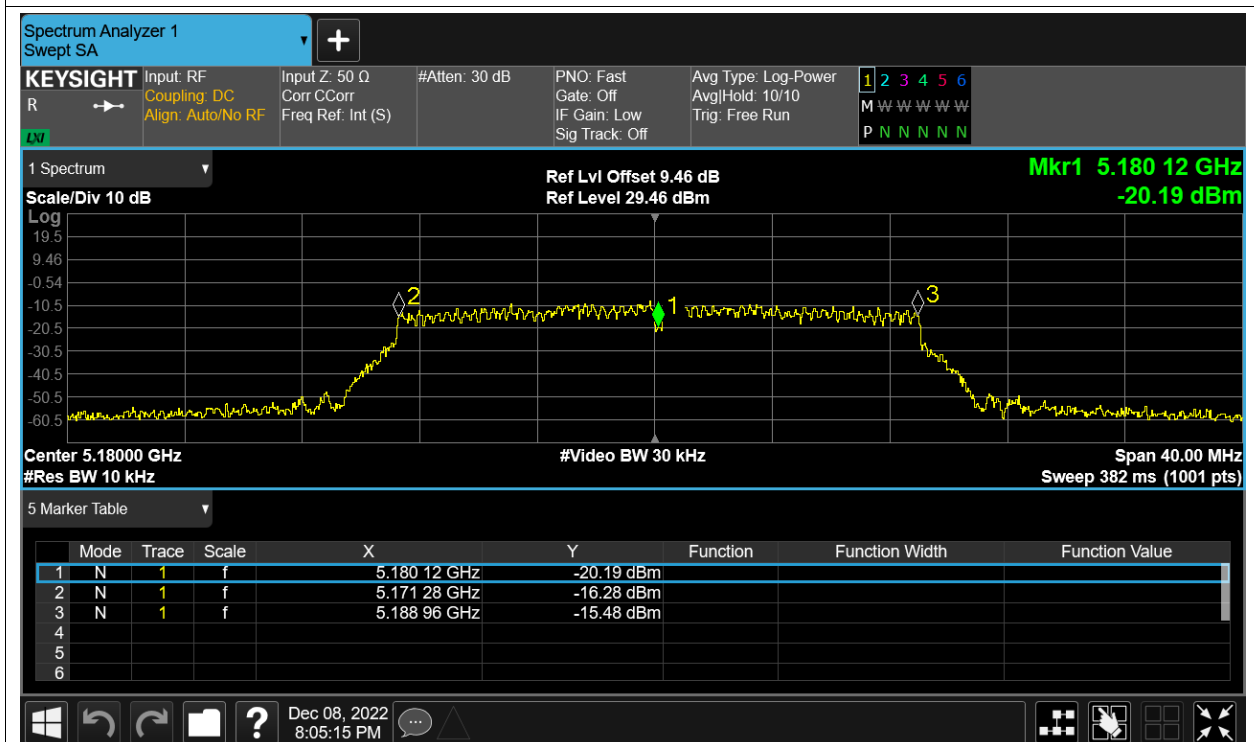
Freq. Stability NVNT a 5180MHz Ant2



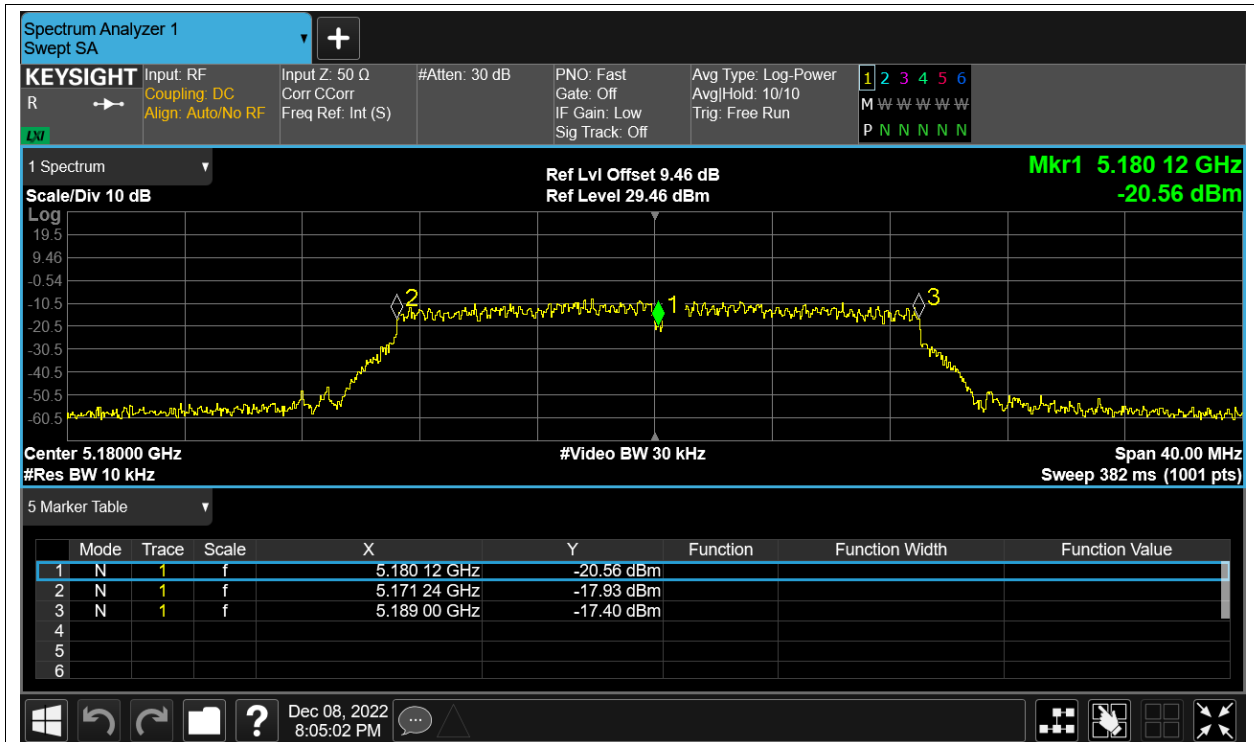
Freq. Stability HVNT ac20 5180MHz Sum



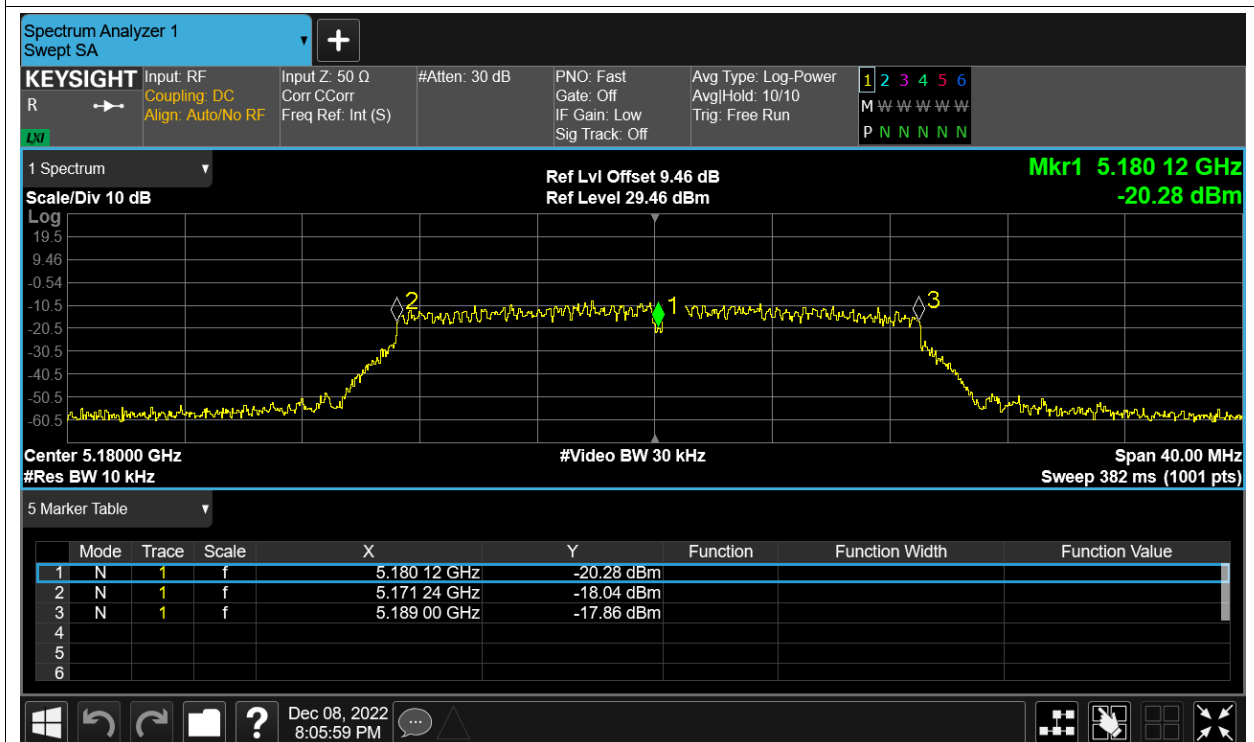
Freq. Stability LVNT ac20 5180MHz Sum



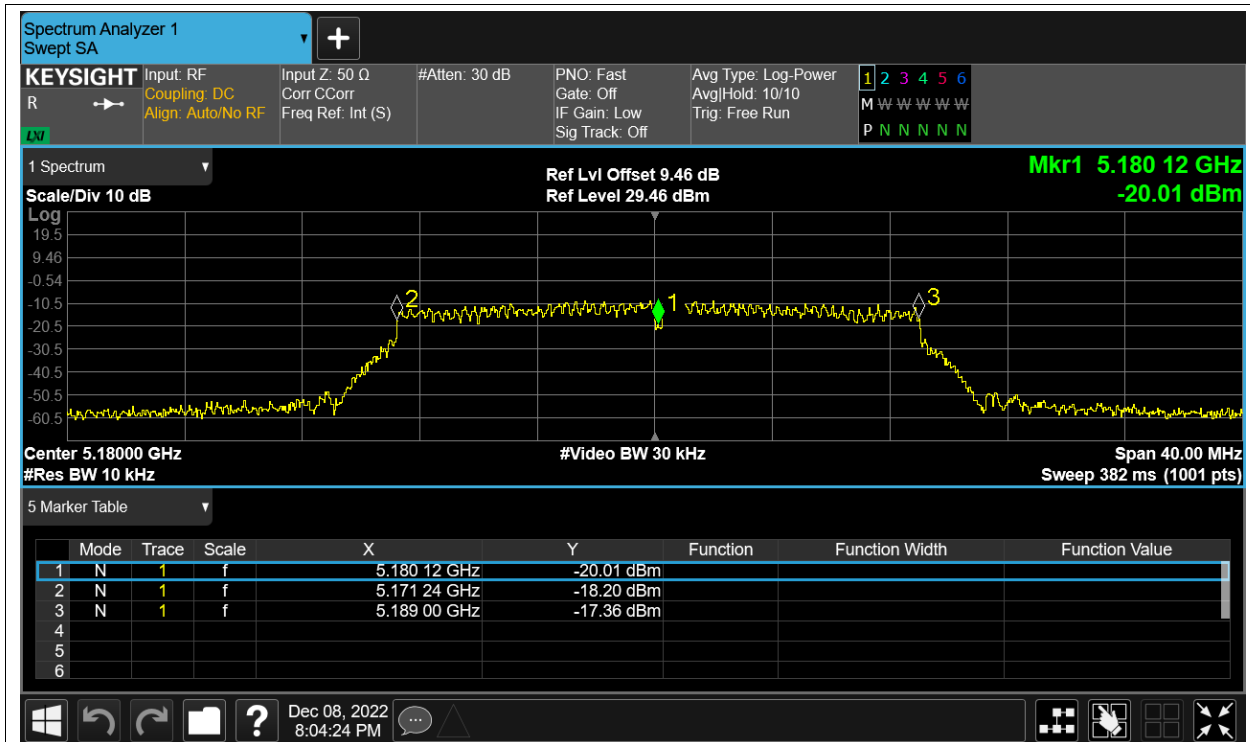
Freq. Stability NVHT ac20 5180MHz Sum



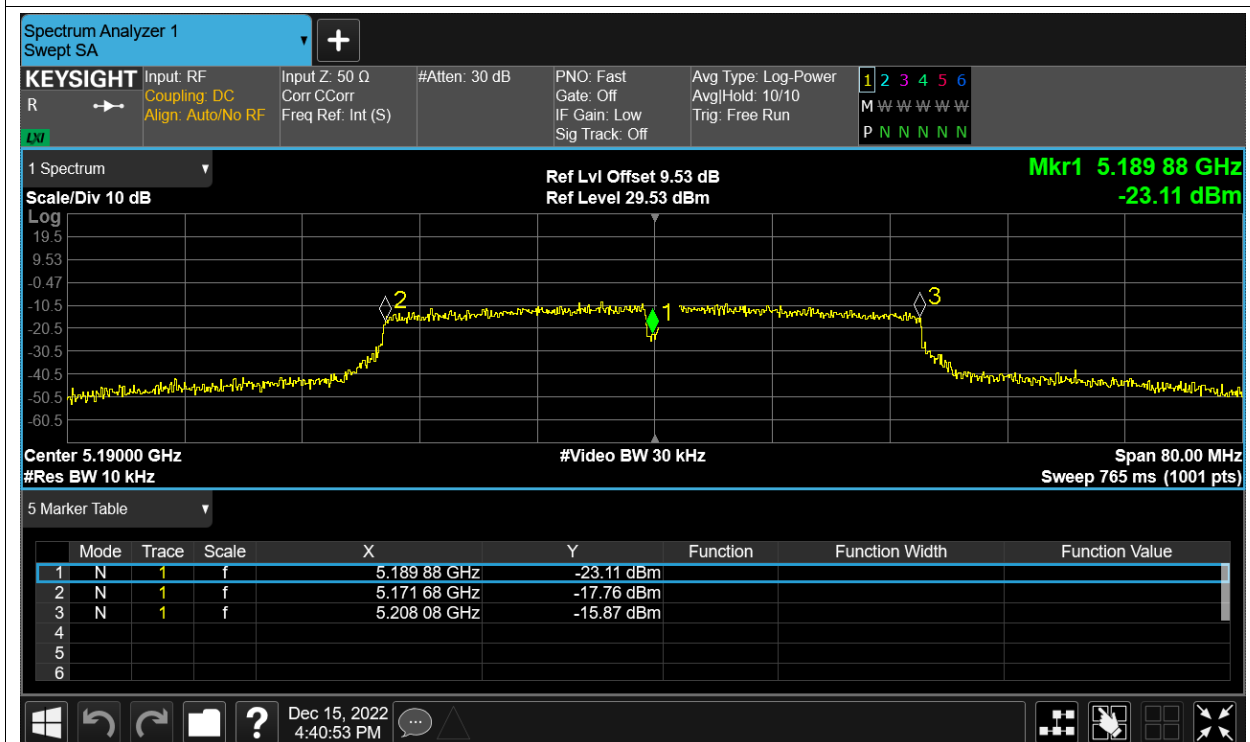
Freq. Stability NVLT ac20 5180MHz Sum



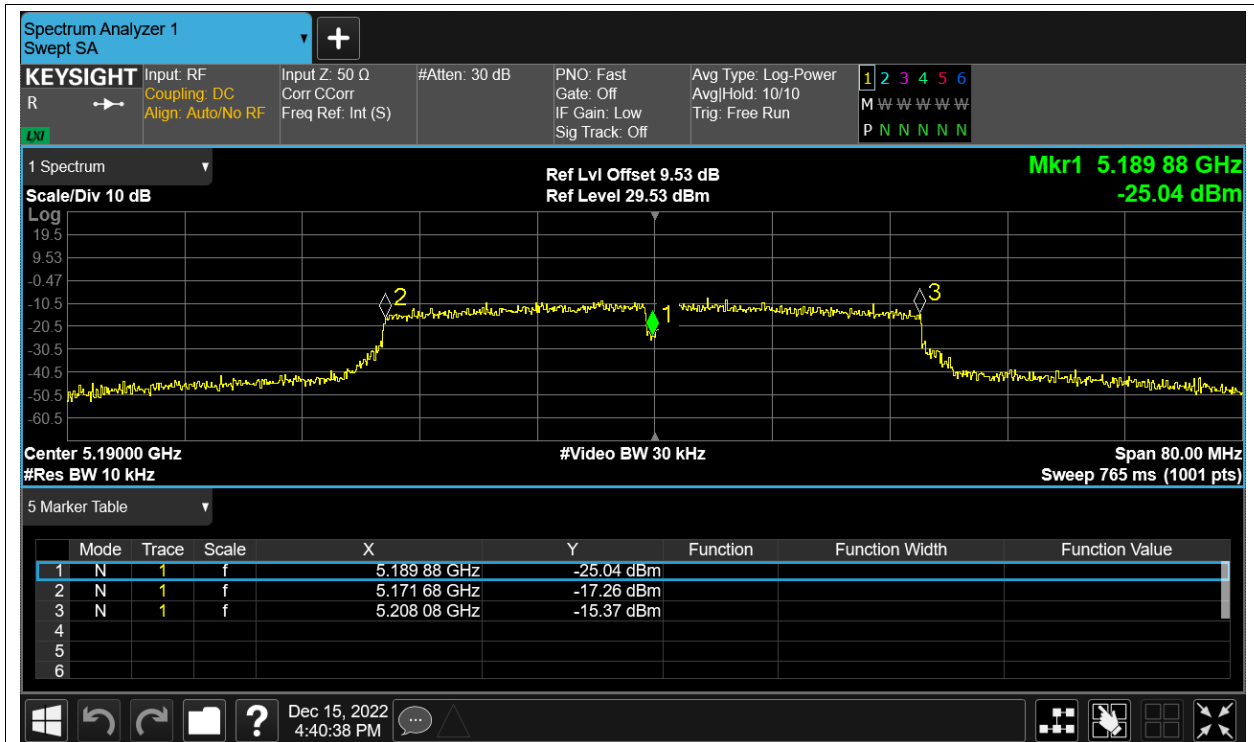
Freq. Stability NVNT ac20 5180MHz Sum



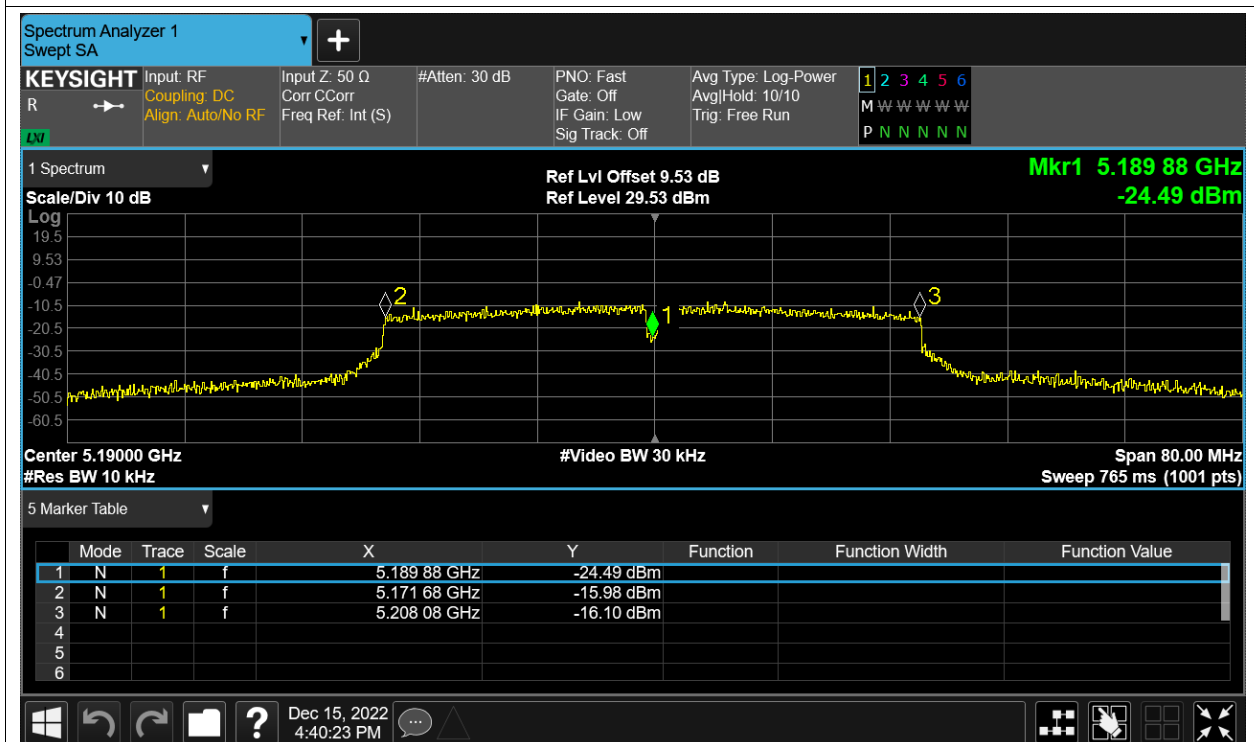
Freq. Stability HVNT ac40 5190MHz Sum



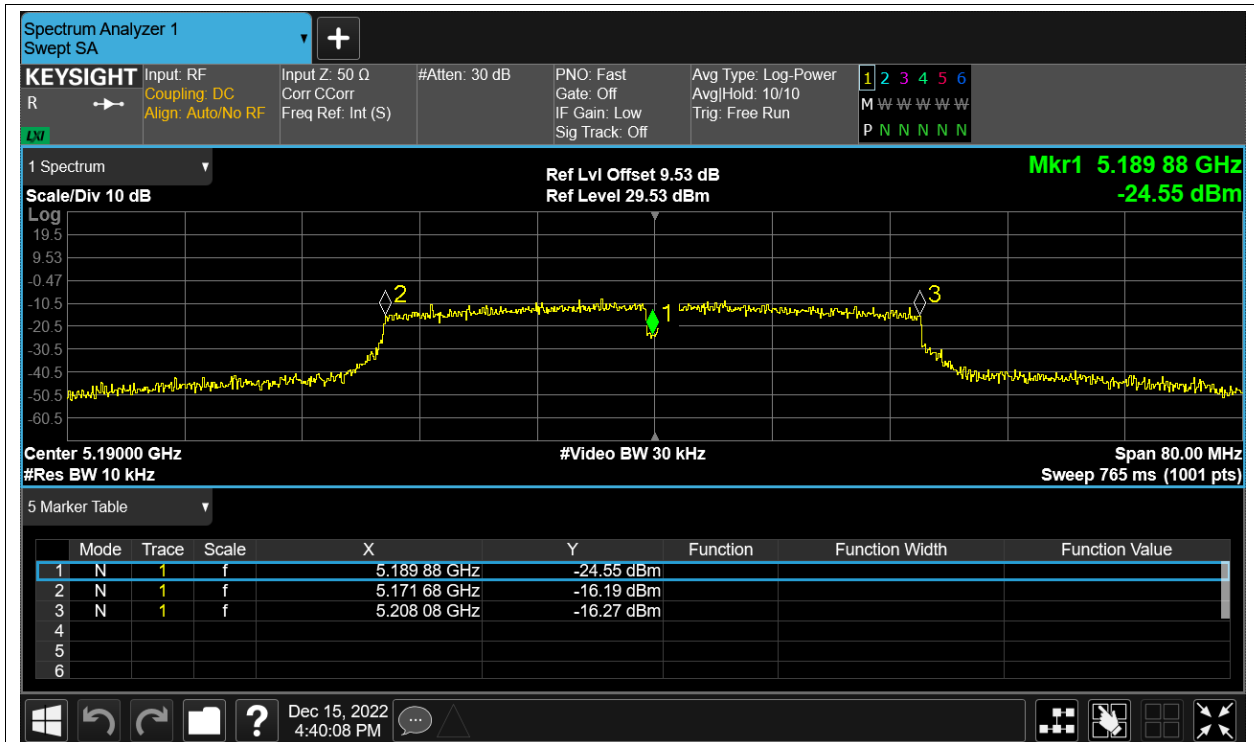
Freq. Stability LVNT ac40 5190MHz Sum



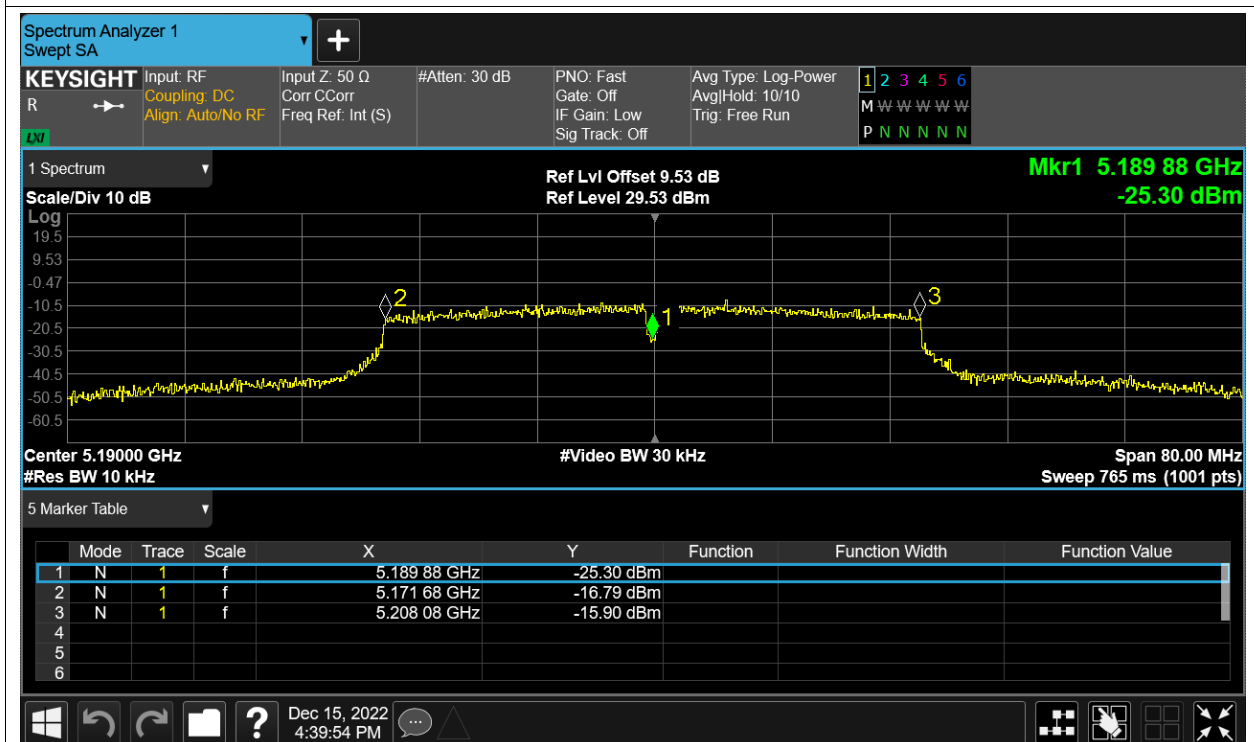
Freq. Stability NVHT ac40 5190MHz Sum



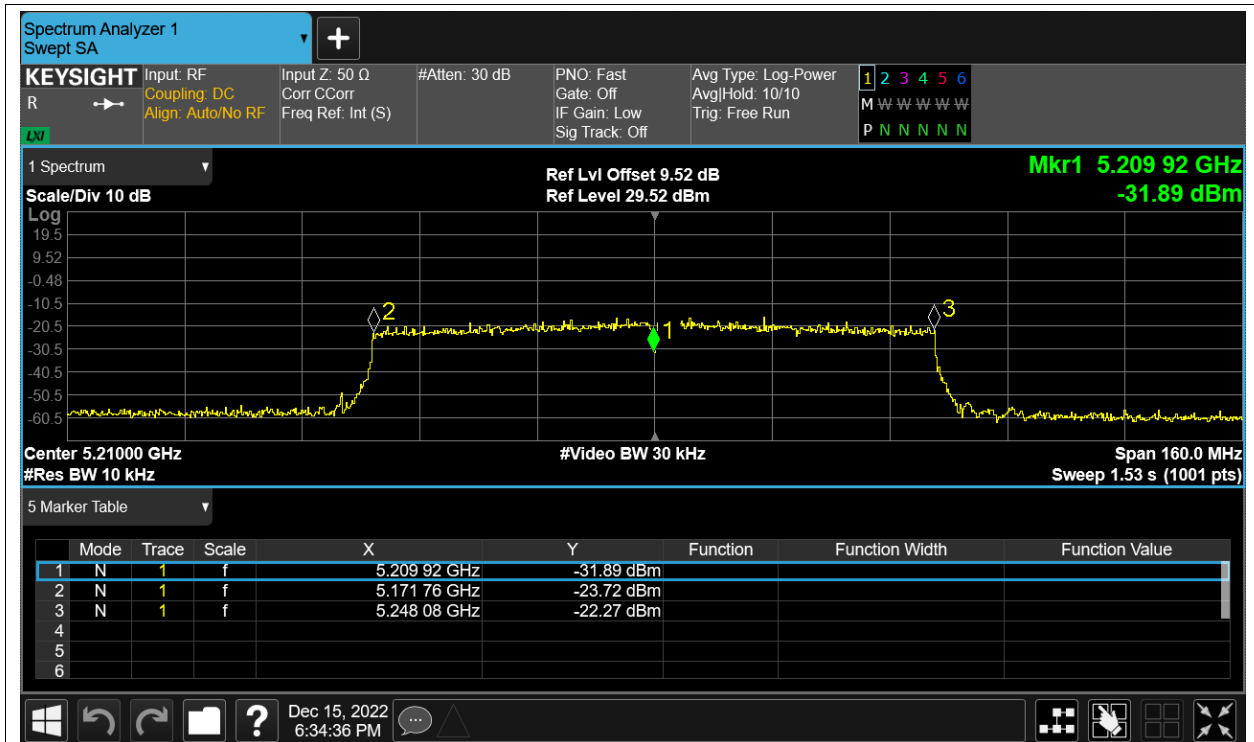
Freq. Stability NVLT ac40 5190MHz Sum



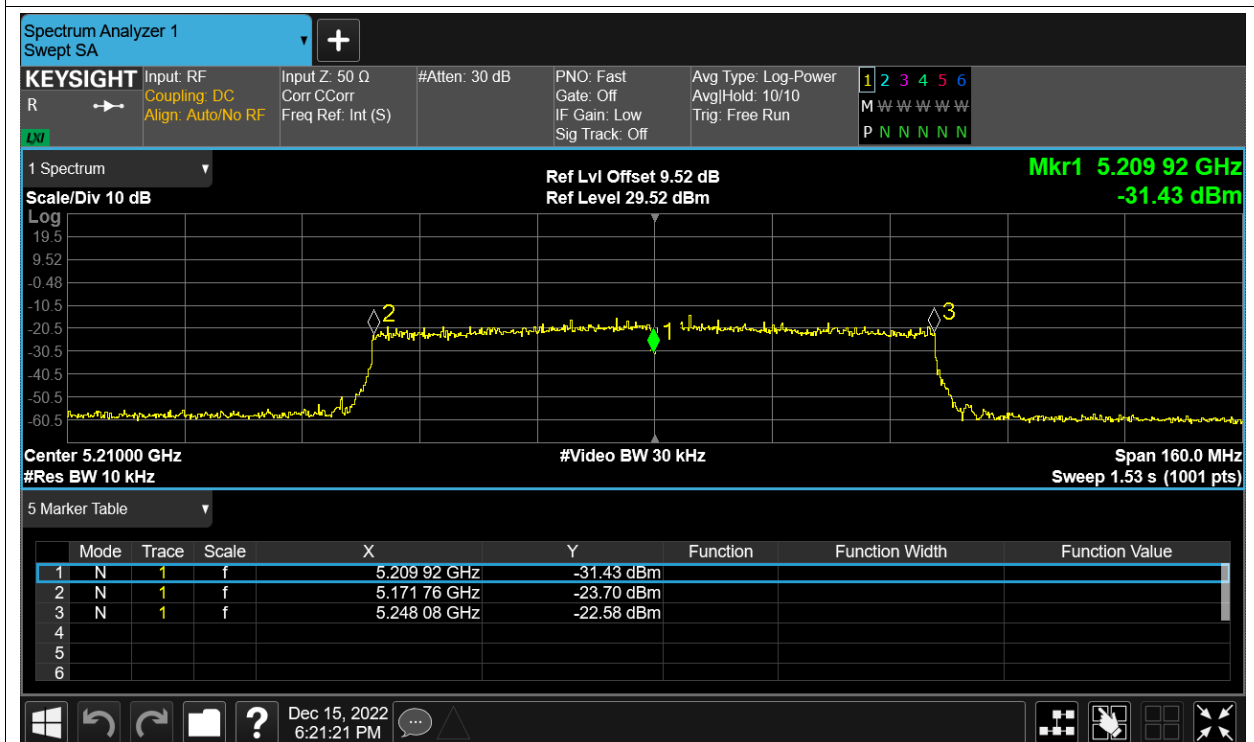
Freq. Stability NVNT ac40 5190MHz Sum



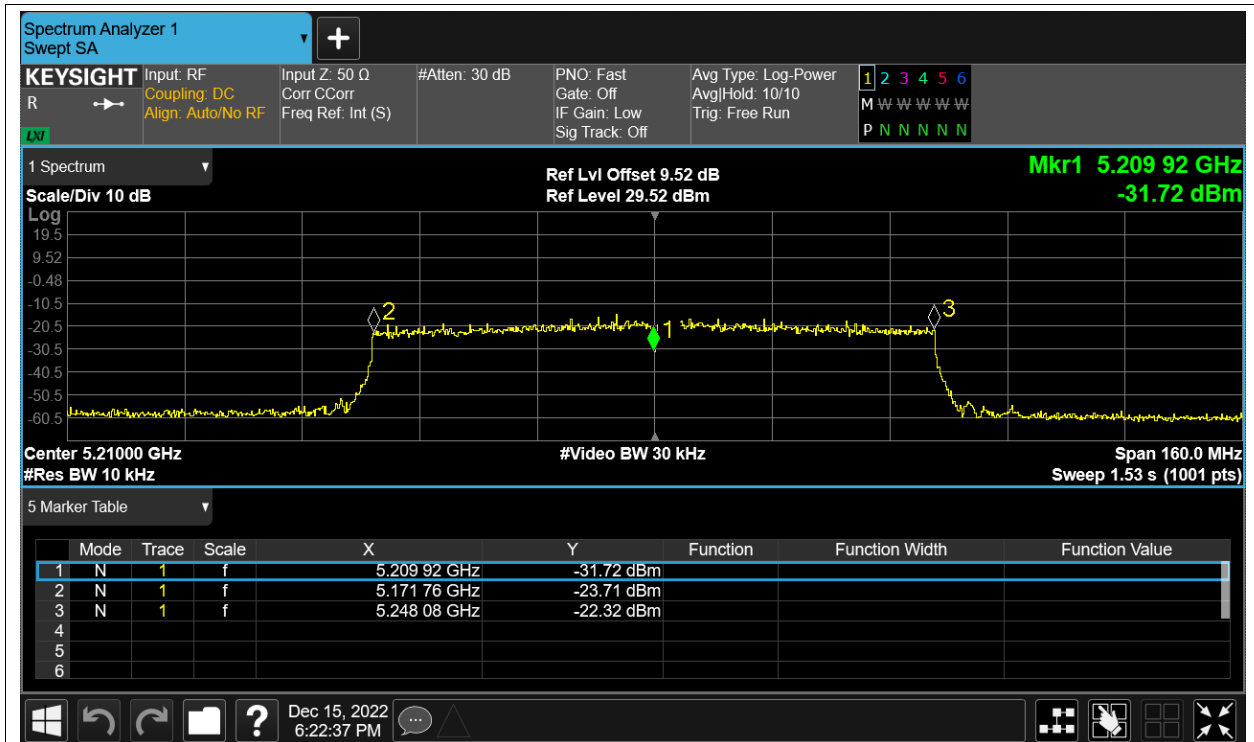
Freq. Stability HVNT ac80 5210MHz Sum



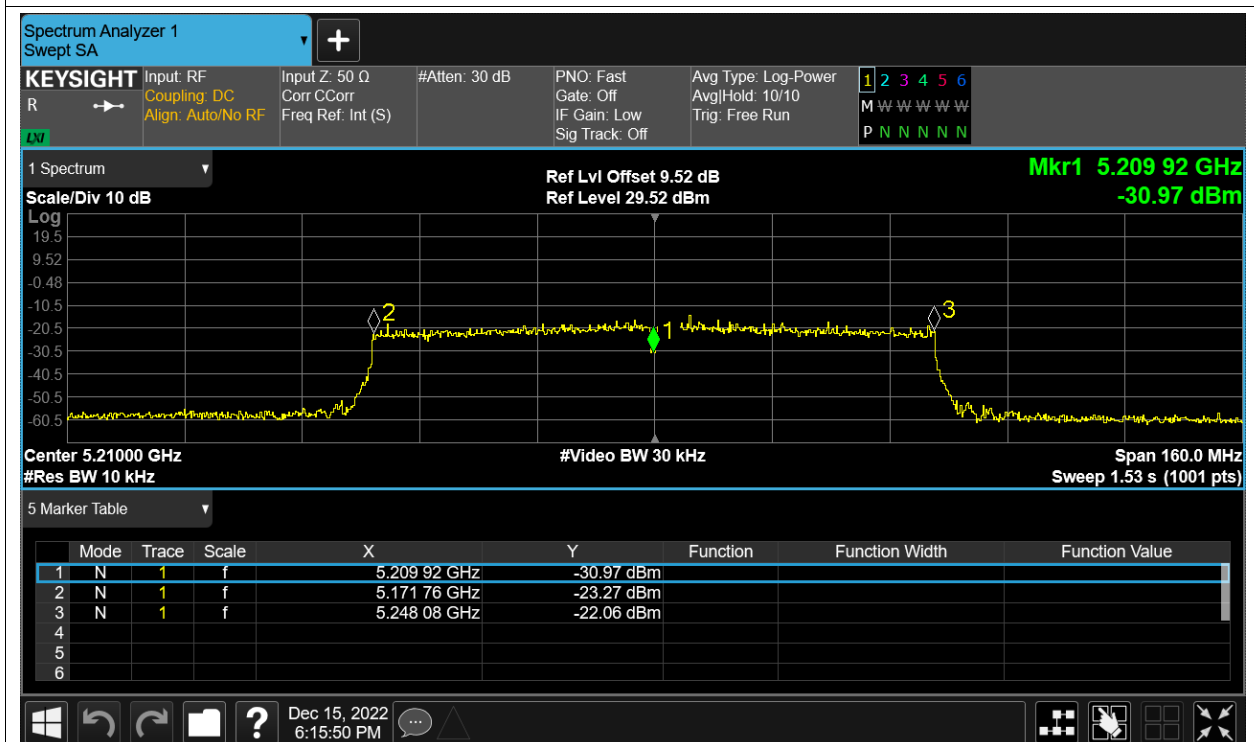
Freq. Stability LVNT ac80 5210MHz Sum



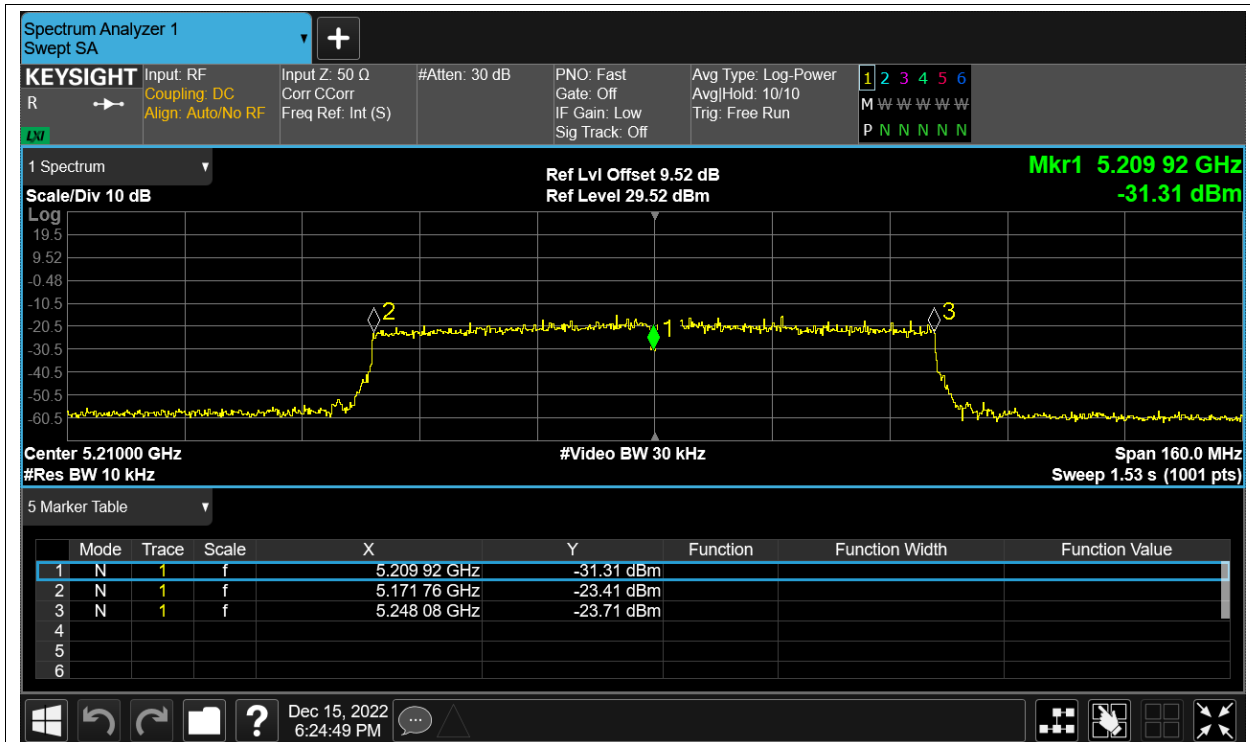
Freq. Stability NVHT ac80 5210MHz Sum



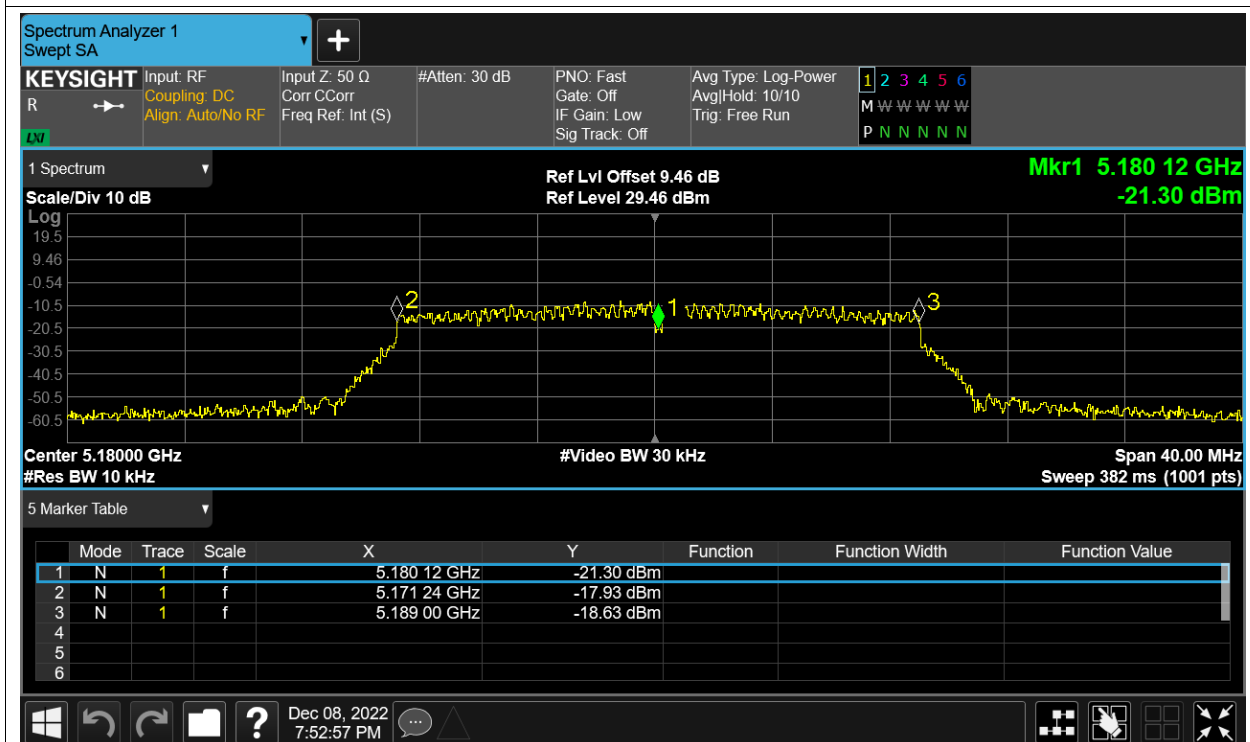
Freq. Stability NVLT ac80 5210MHz Sum



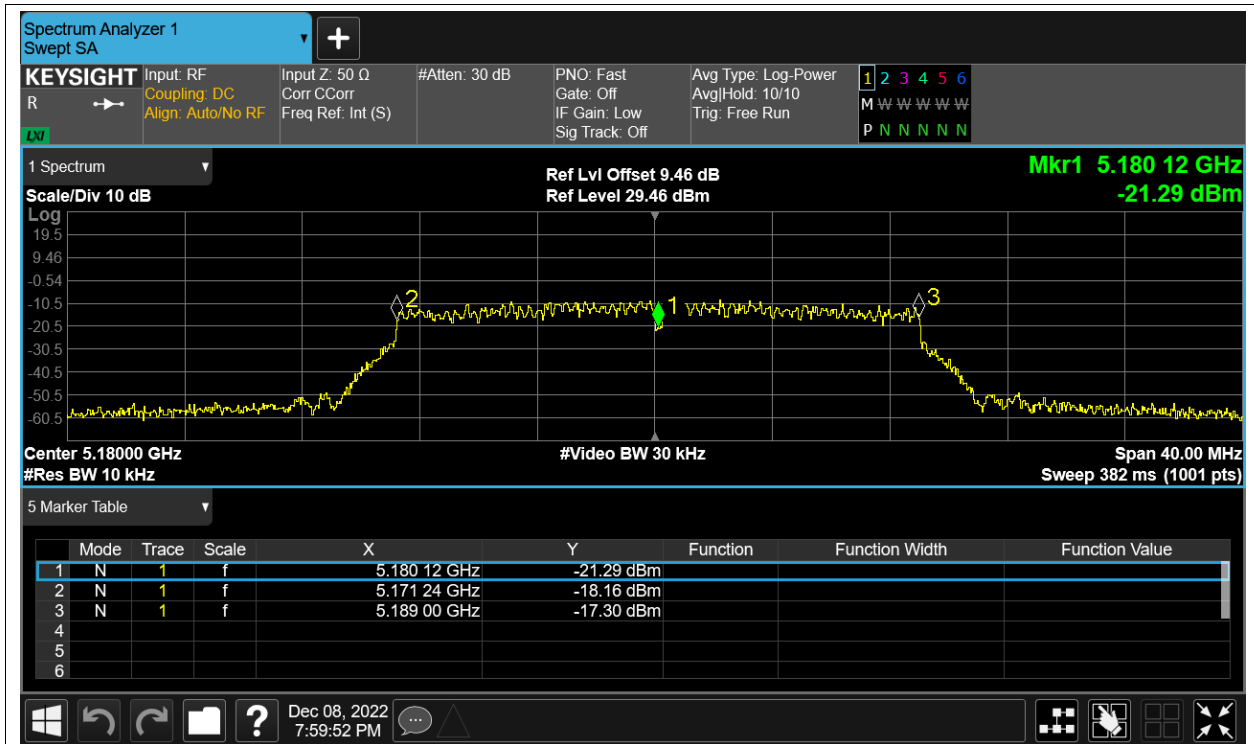
Freq. Stability NVNT ac80 5210MHz Sum



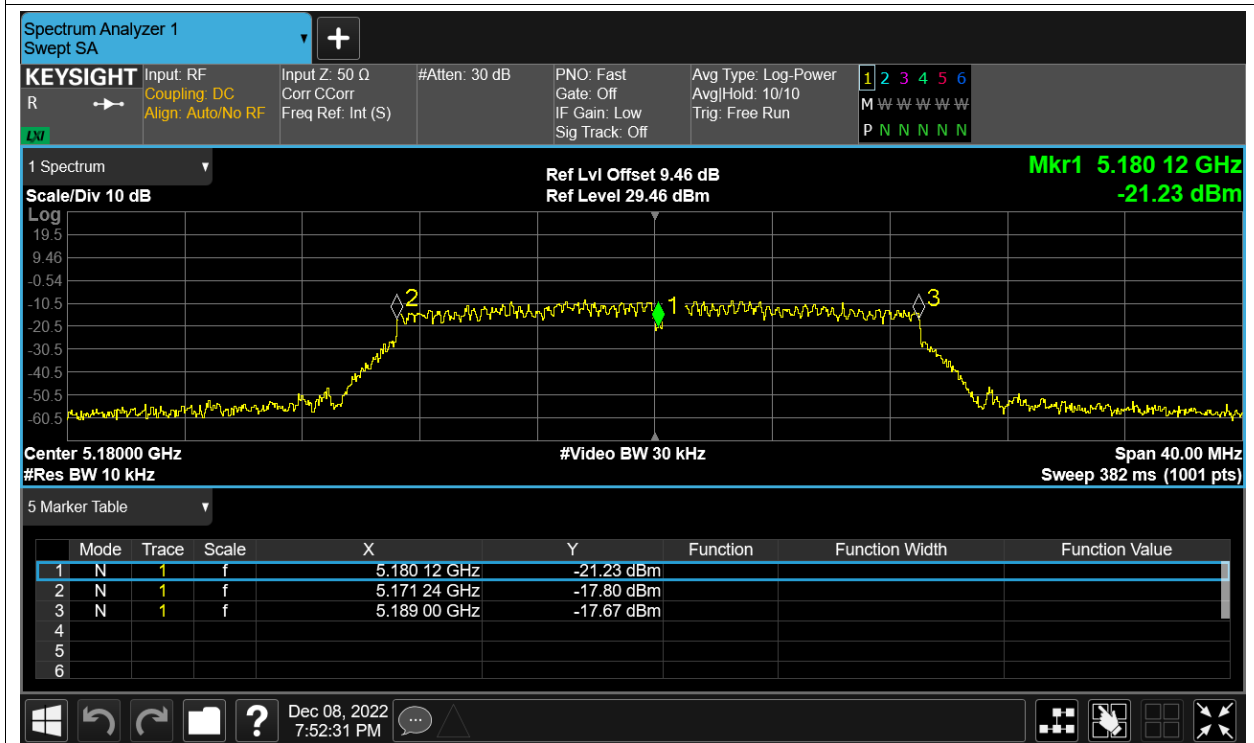
Freq. Stability HVNT n20 5180MHz Sum



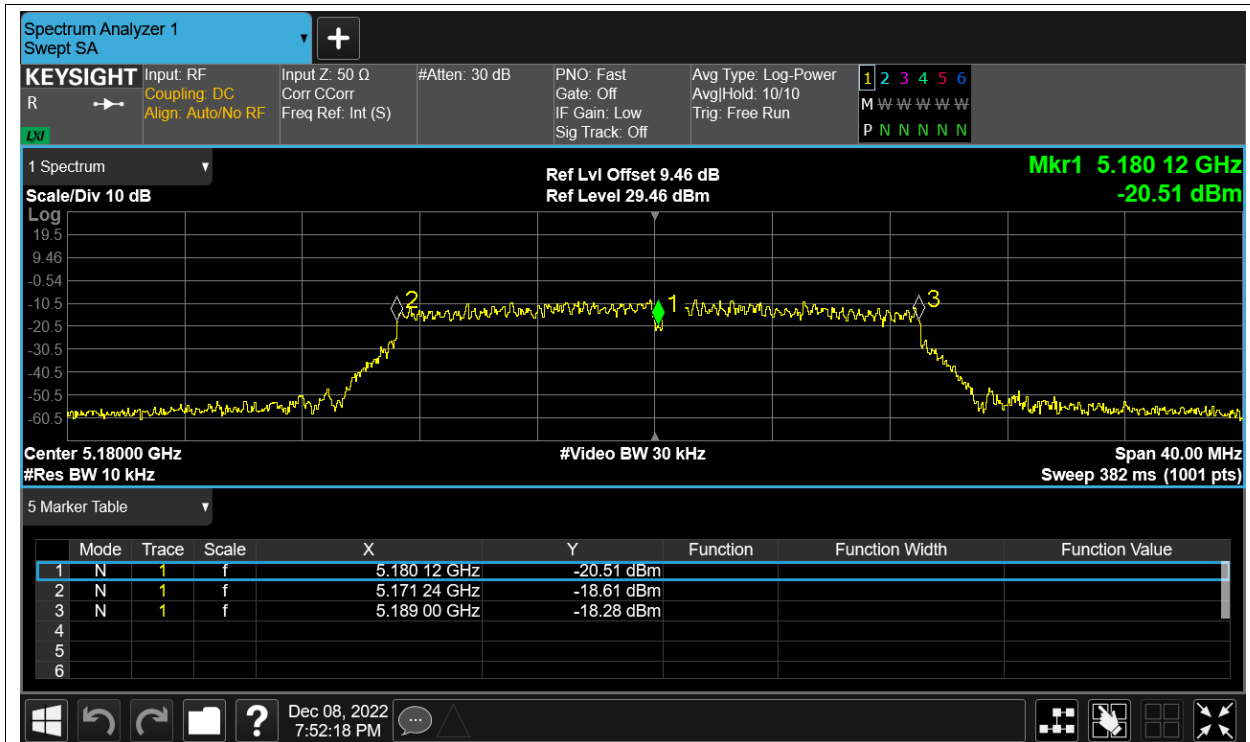
Freq. Stability LVNT n20 5180MHz Sum



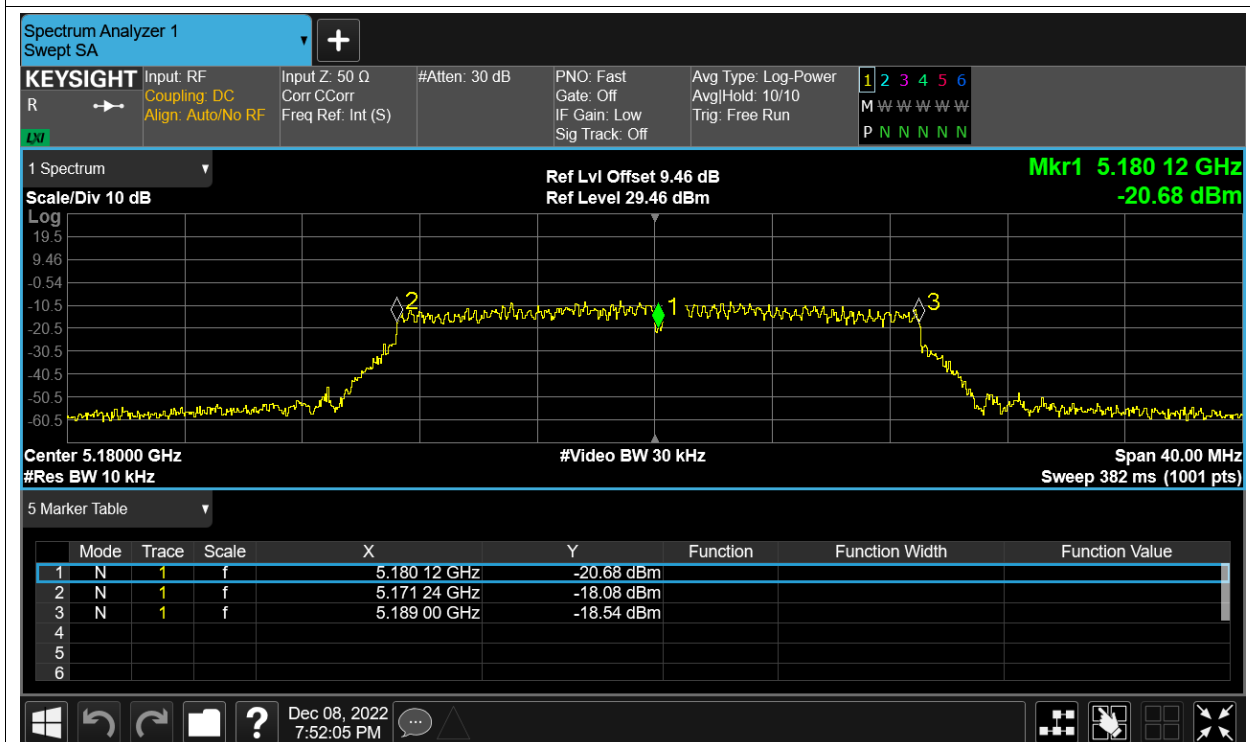
Freq. Stability NVHT n20 5180MHz Sum



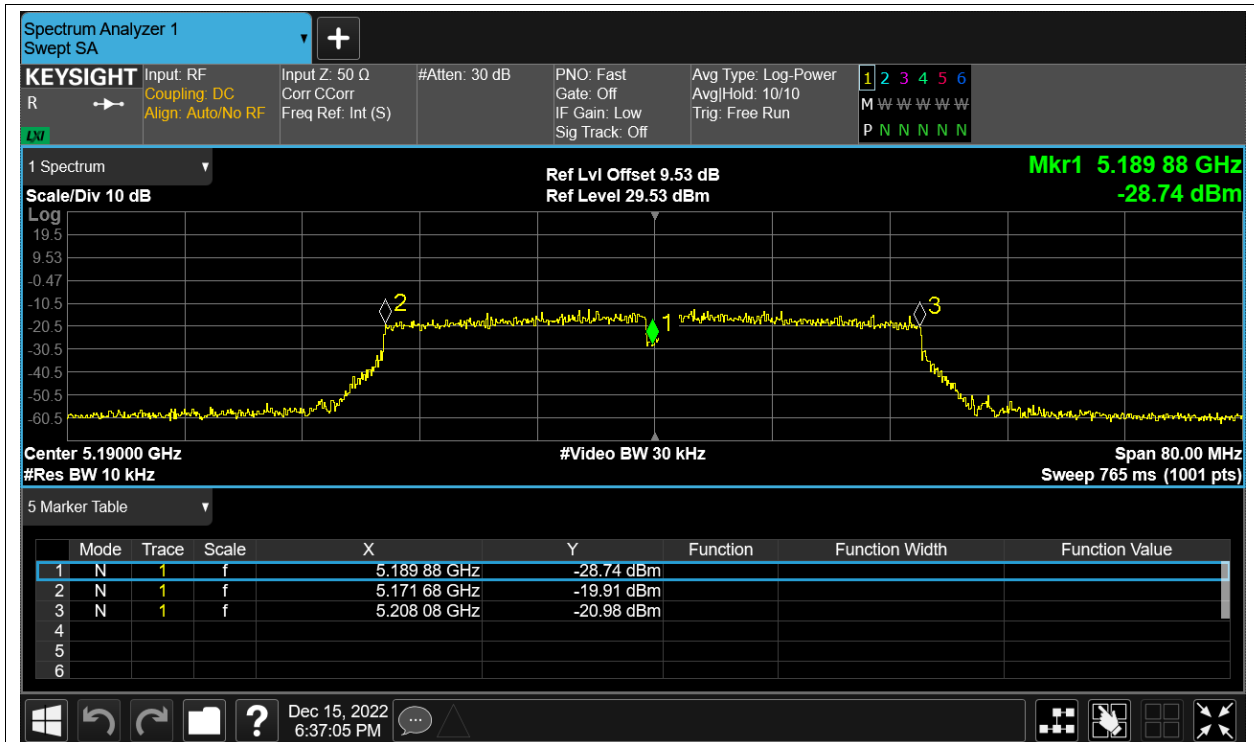
Freq. Stability NVLT n20 5180MHz Sum



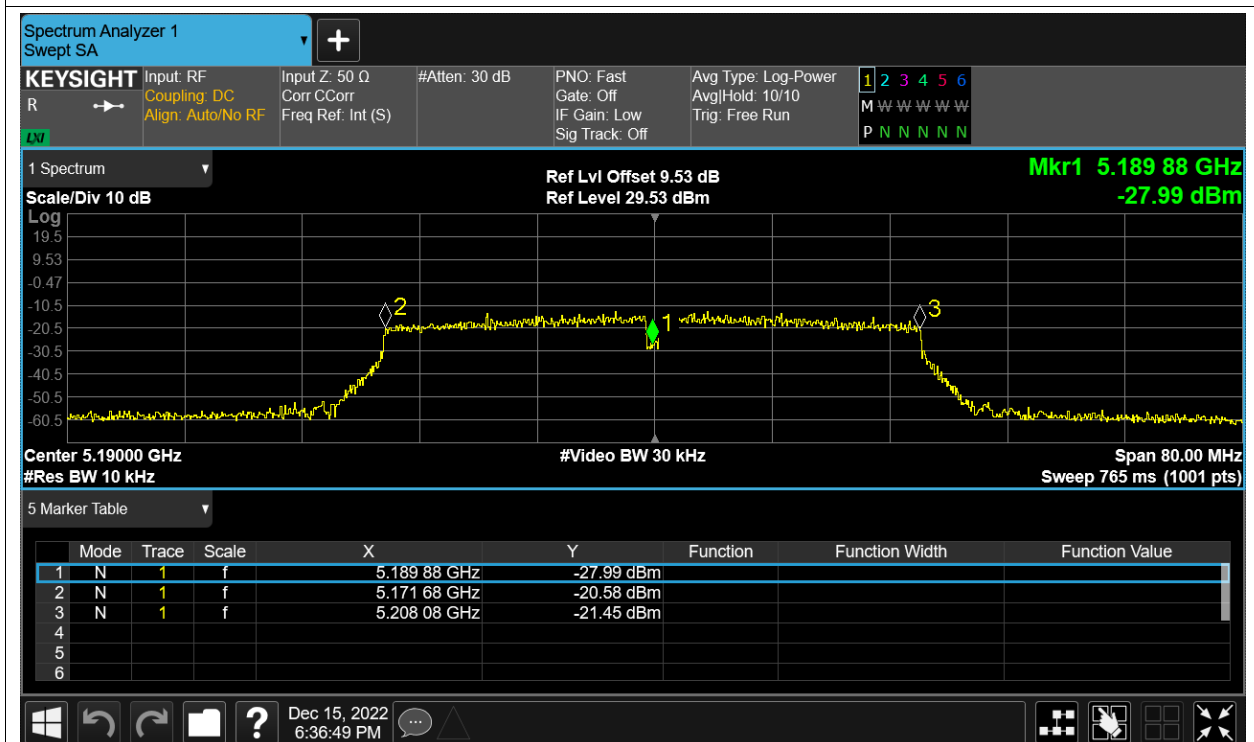
Freq. Stability NVNT n20 5180MHz Sum



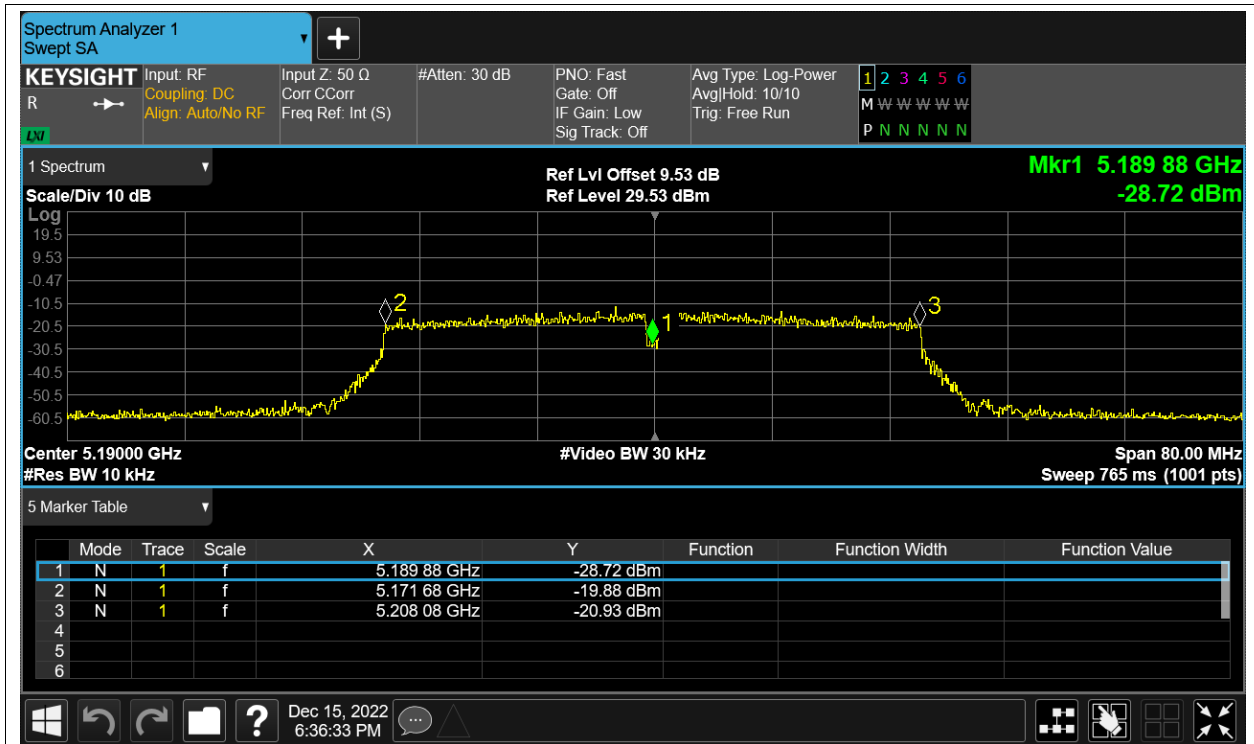
Freq. Stability HVNT n40 5190MHz Sum



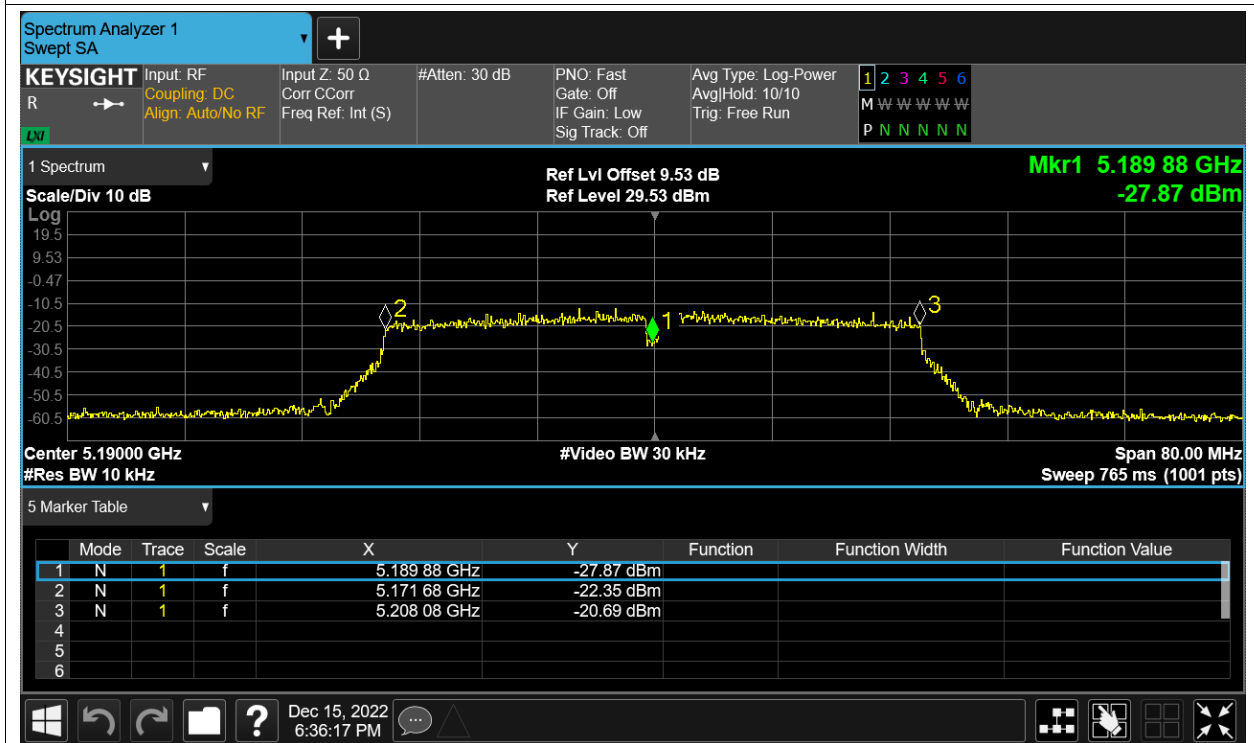
Freq. Stability LVNT n40 5190MHz Sum



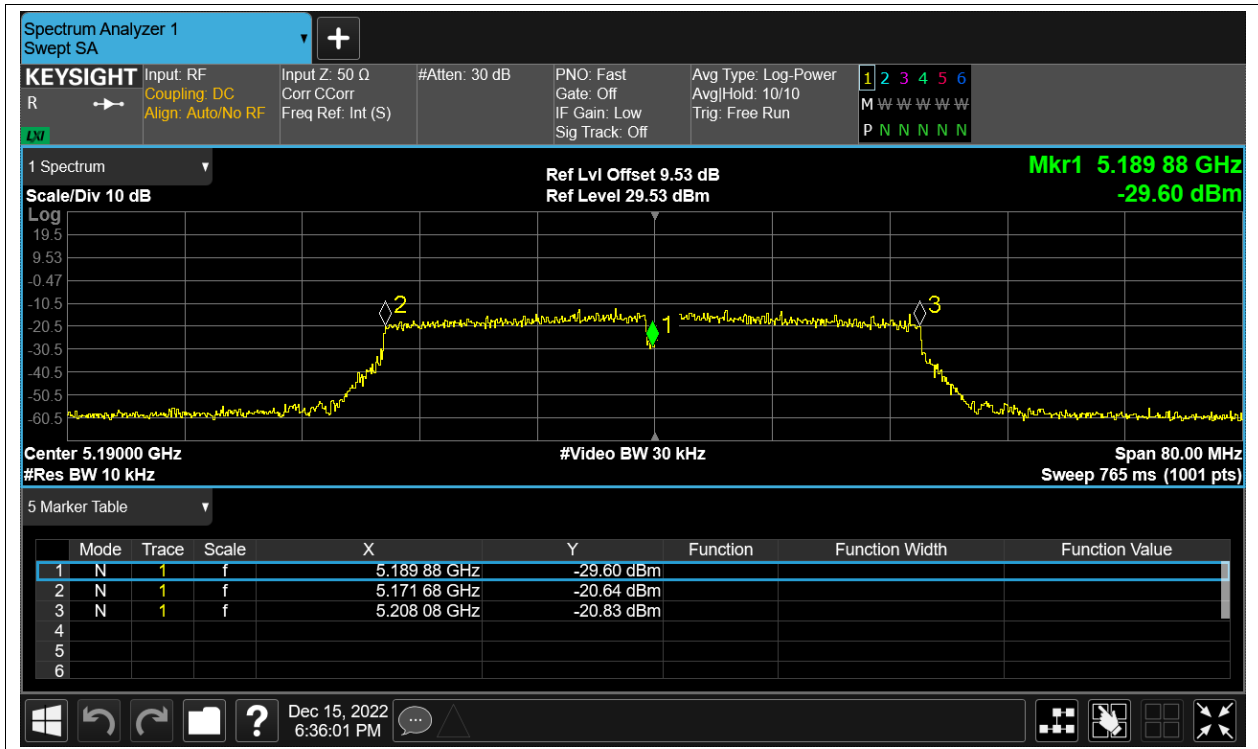
Freq. Stability NVHT n40 5190MHz Sum



Freq. Stability NVLT n40 5190MHz Sum



Freq. Stability NVNT n40 5190MHz Sum

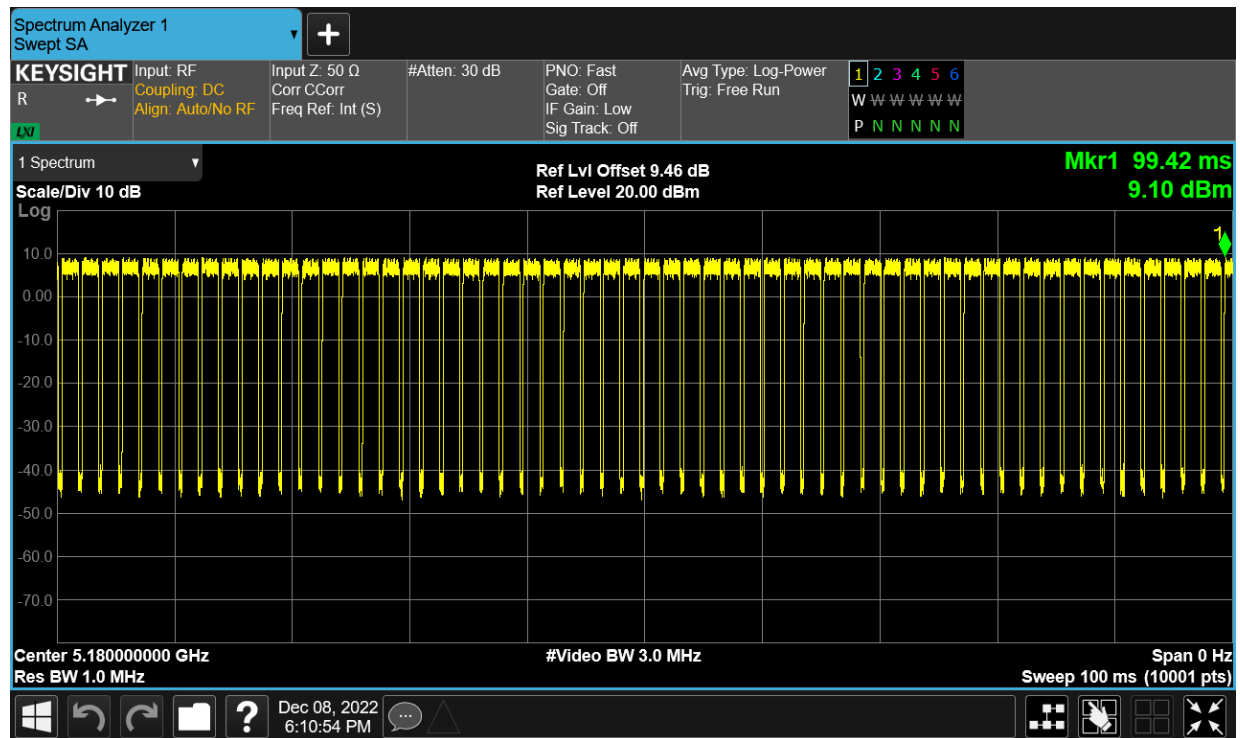


Duty Cycle

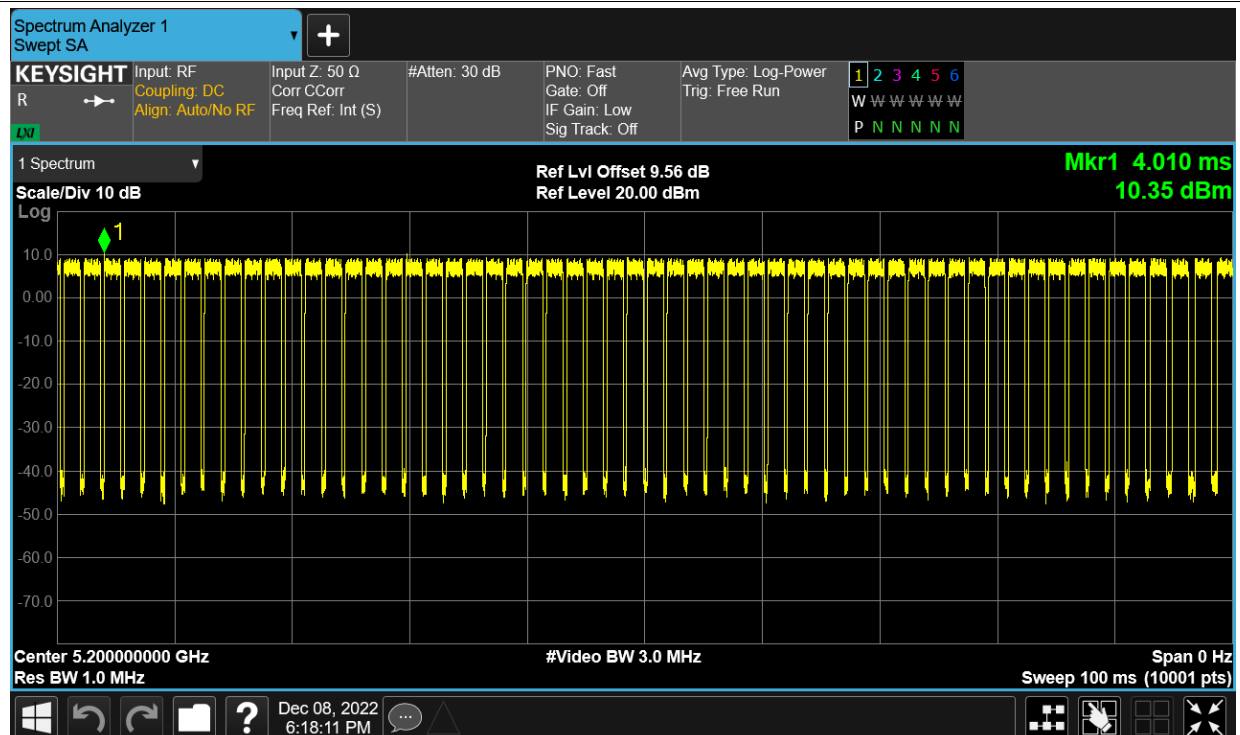
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	82.95	0.81
NVNT	a	5200	Ant1	82.27	0.85
NVNT	a	5240	Ant1	82.74	0.82
NVNT	a	5180	Ant2	83.13	0.8
NVNT	a	5200	Ant2	81.66	0.88
NVNT	a	5240	Ant2	82.7	0.82
NVNT	ac20	5180	Sum	70.39	1.52
NVNT	ac20	5200	Sum	70.03	1.55
NVNT	ac20	5240	Sum	69.55	1.58
NVNT	ac40	5190	Sum	100	0
NVNT	ac40	5230	Sum	67.47	1.71
NVNT	ac80	5210	Sum	49.81	3.03
NVNT	n20	5180	Sum	71.12	1.48
NVNT	n20	5200	Sum	67.33	1.72
NVNT	n20	5240	Sum	68.94	1.62
NVNT	n40	5190	Sum	66.7	1.76
NVNT	n40	5230	Sum	67.02	1.74

Test Graphs

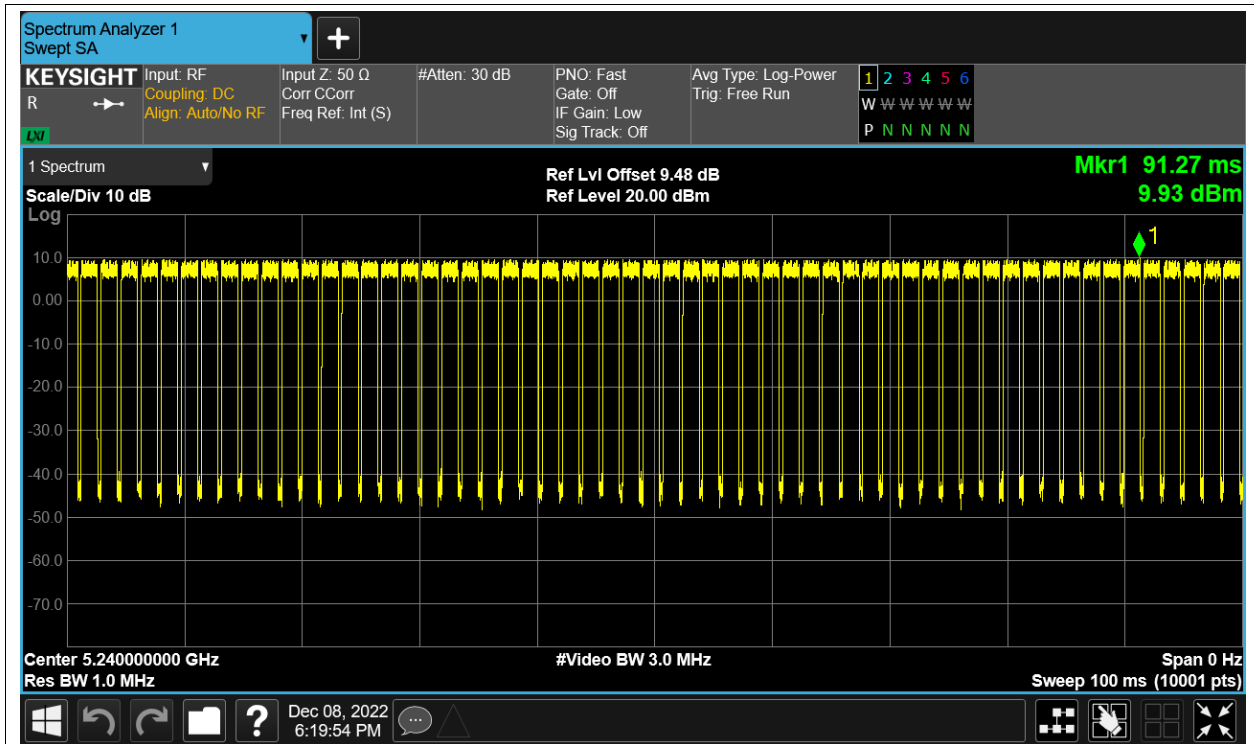
Duty Cycle NVNT a 5180MHz Ant1



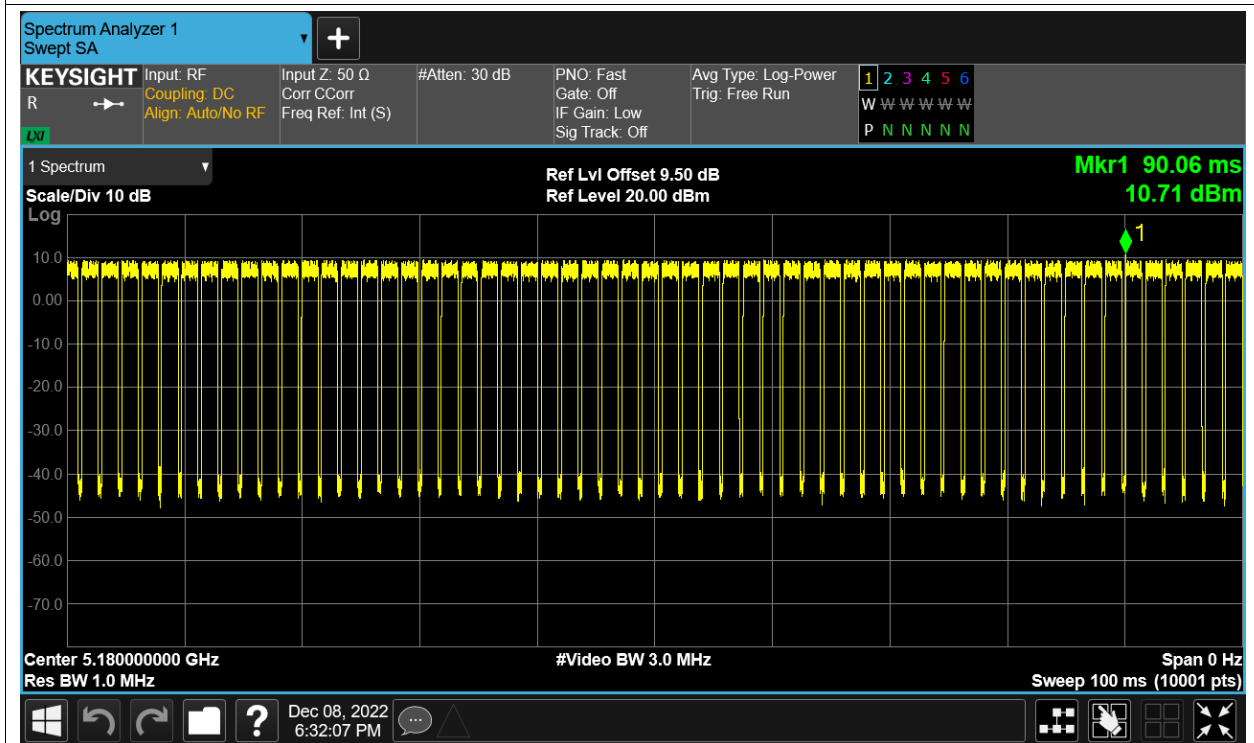
Duty Cycle NVNT a 5200MHz Ant1



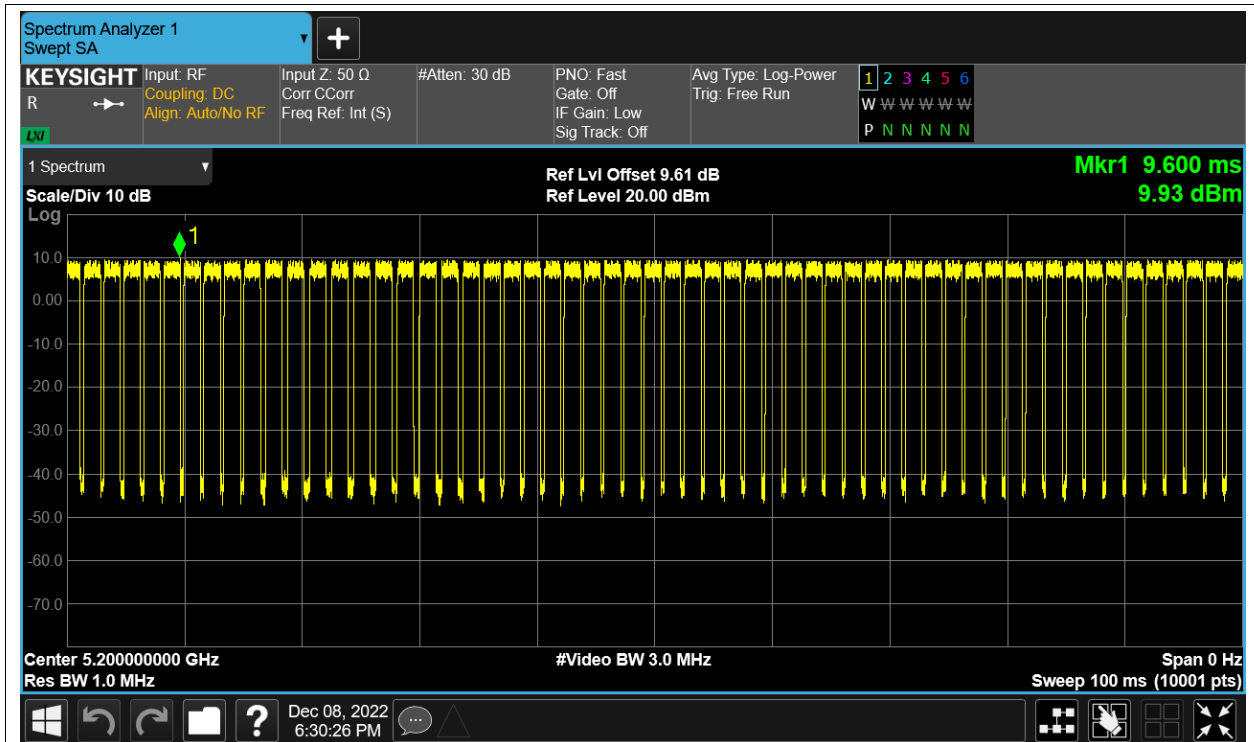
Duty Cycle NVNT a 5240MHz Ant1



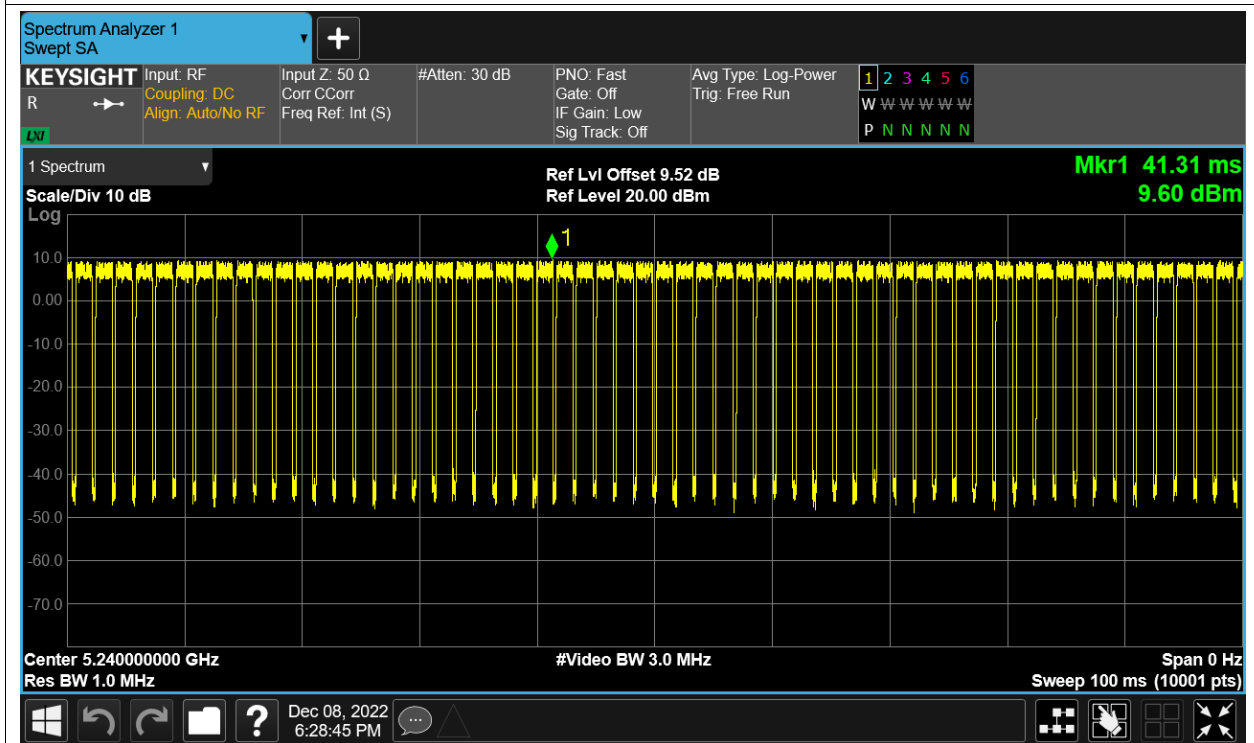
Duty Cycle NVNT a 5180MHz Ant2



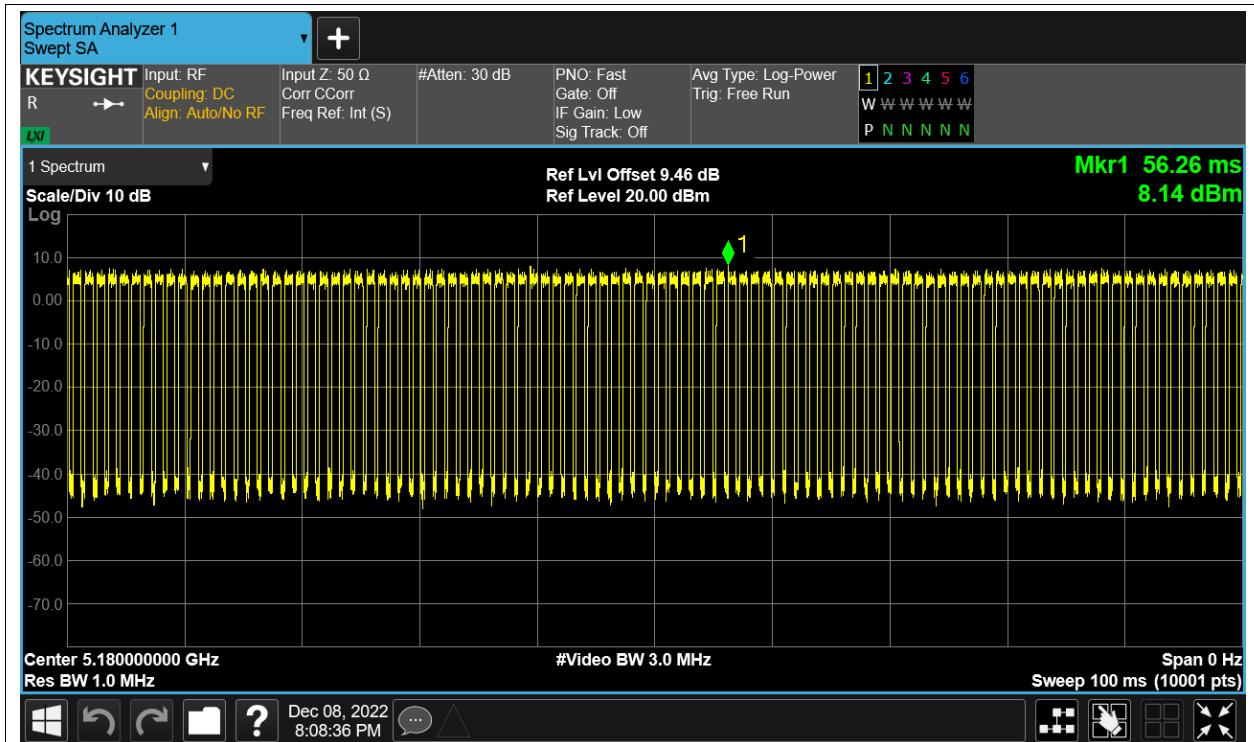
Duty Cycle NVNT a 5200MHz Ant2



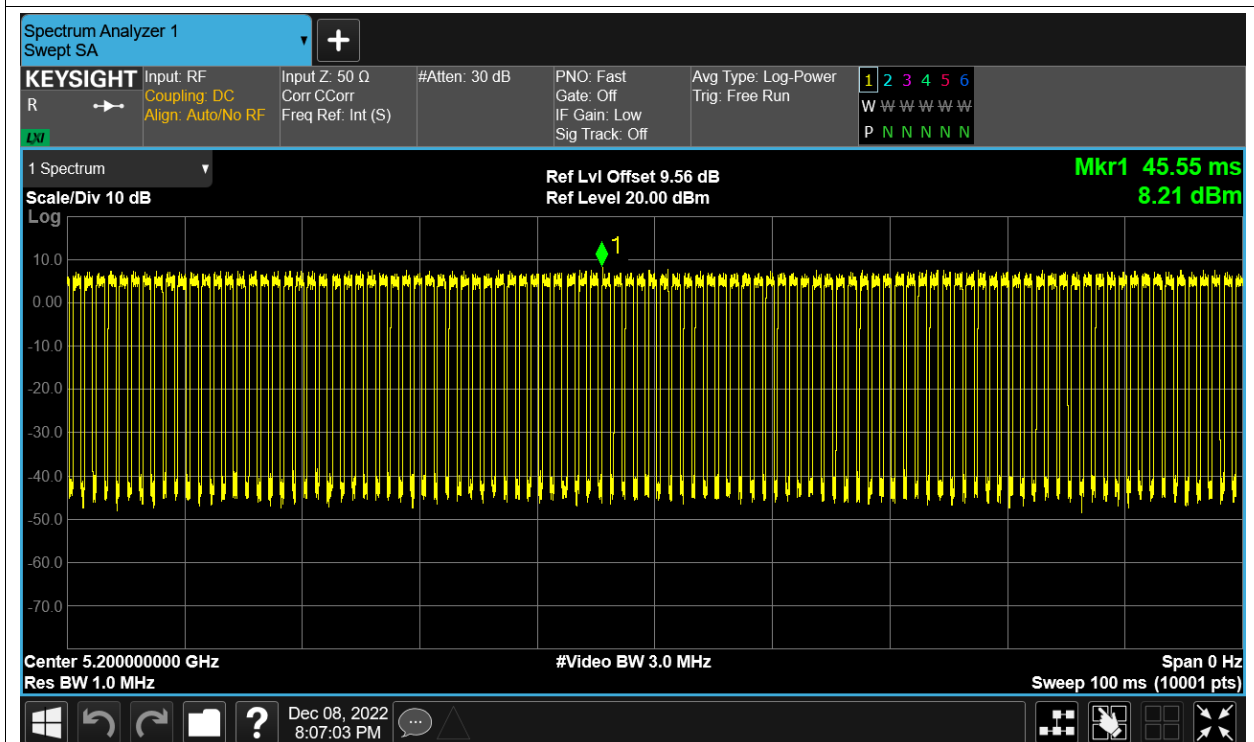
Duty Cycle NVNT a 5240MHz Ant2



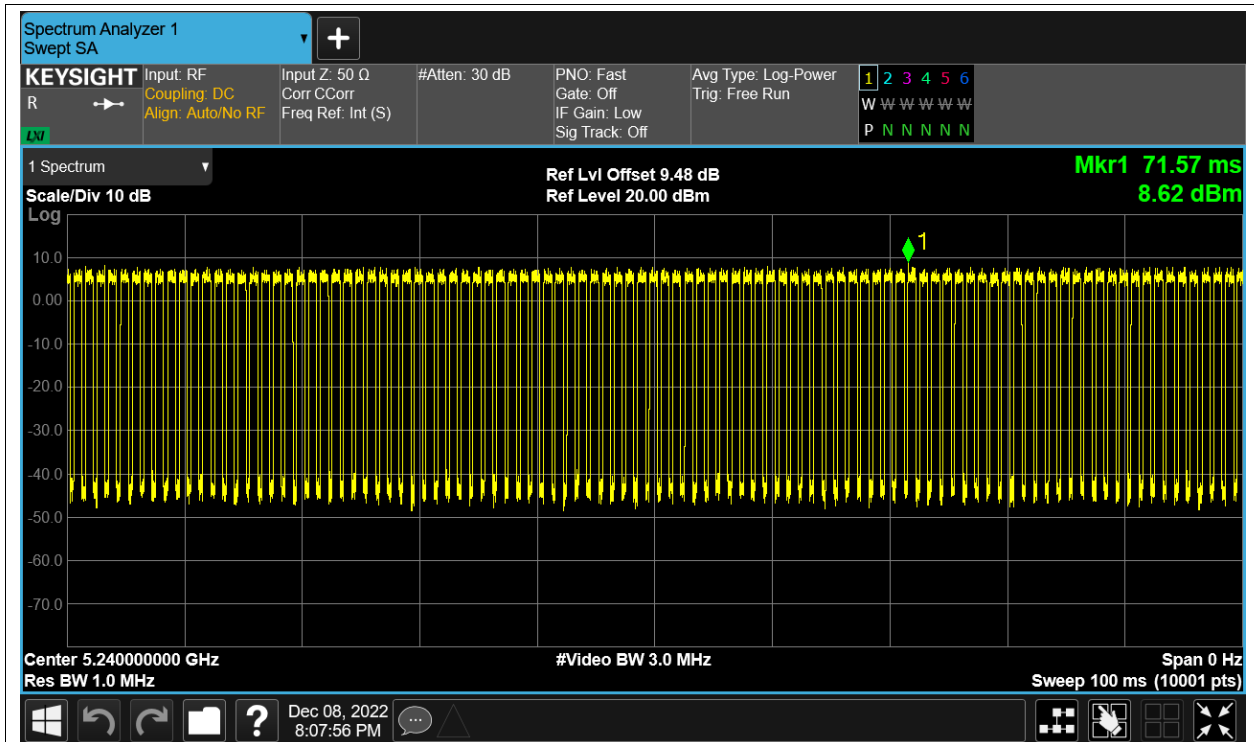
Duty Cycle NVNT ac20 5180MHz Sum



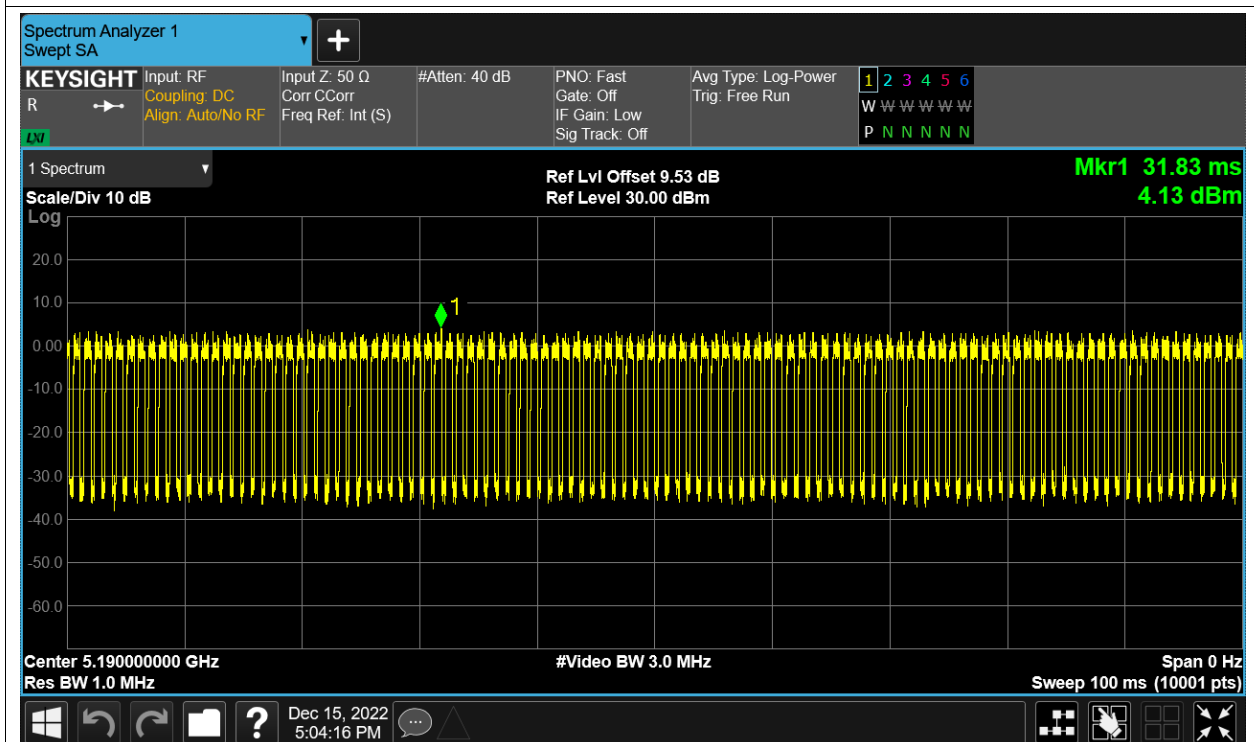
Duty Cycle NVNT ac20 5200MHz Sum



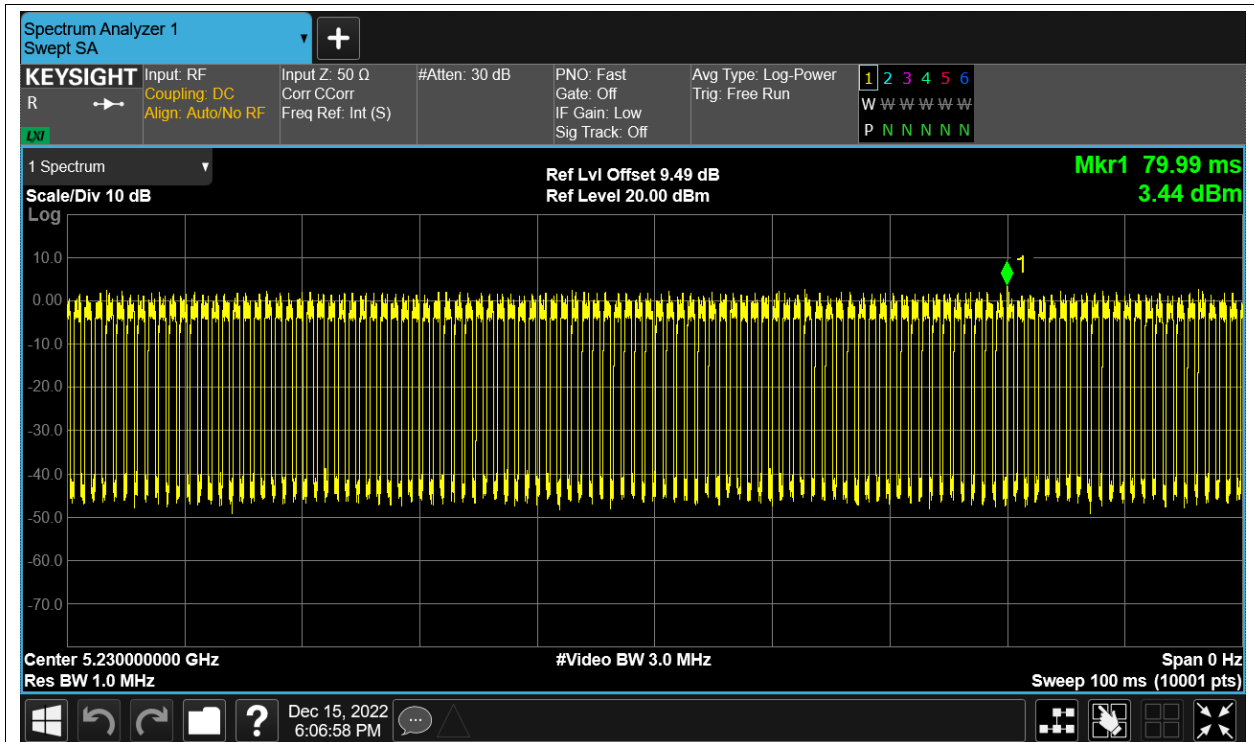
Duty Cycle NVNT ac20 5240MHz Sum



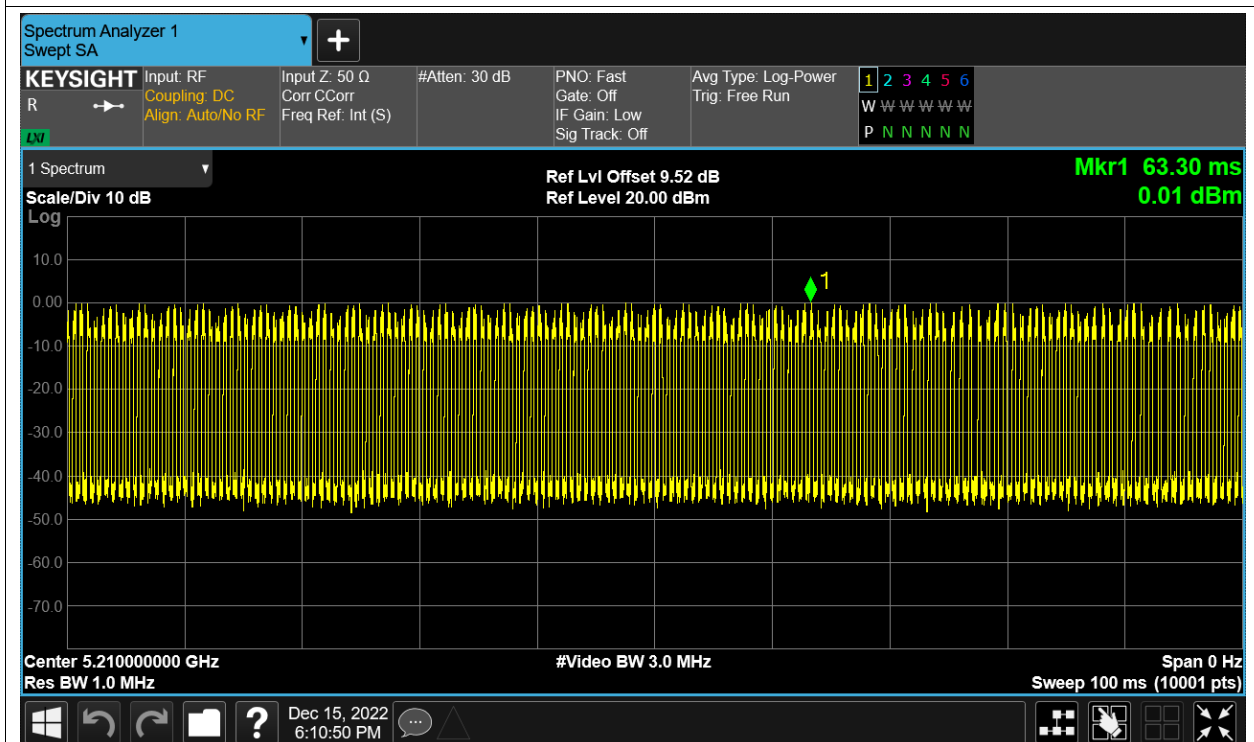
Duty Cycle NVNT ac40 5190MHz Sum



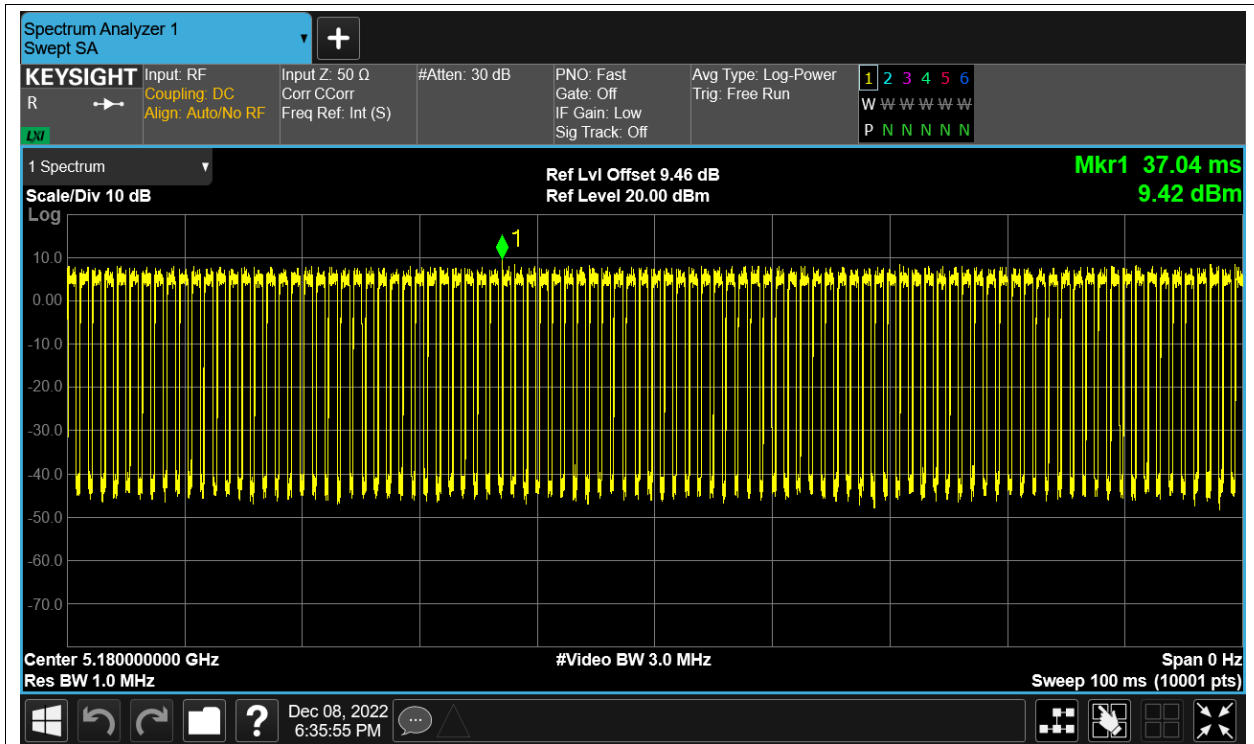
Duty Cycle NVNT ac40 5230MHz Sum



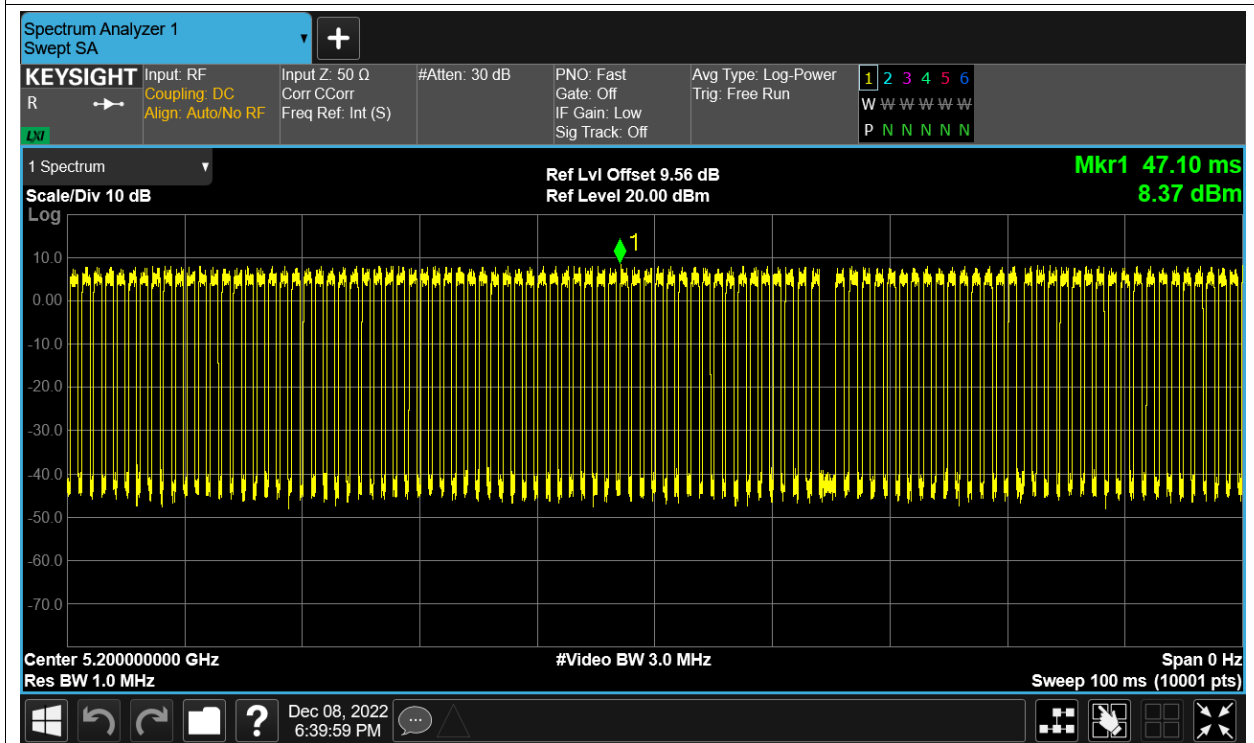
Duty Cycle NVNT ac80 5210MHz Sum



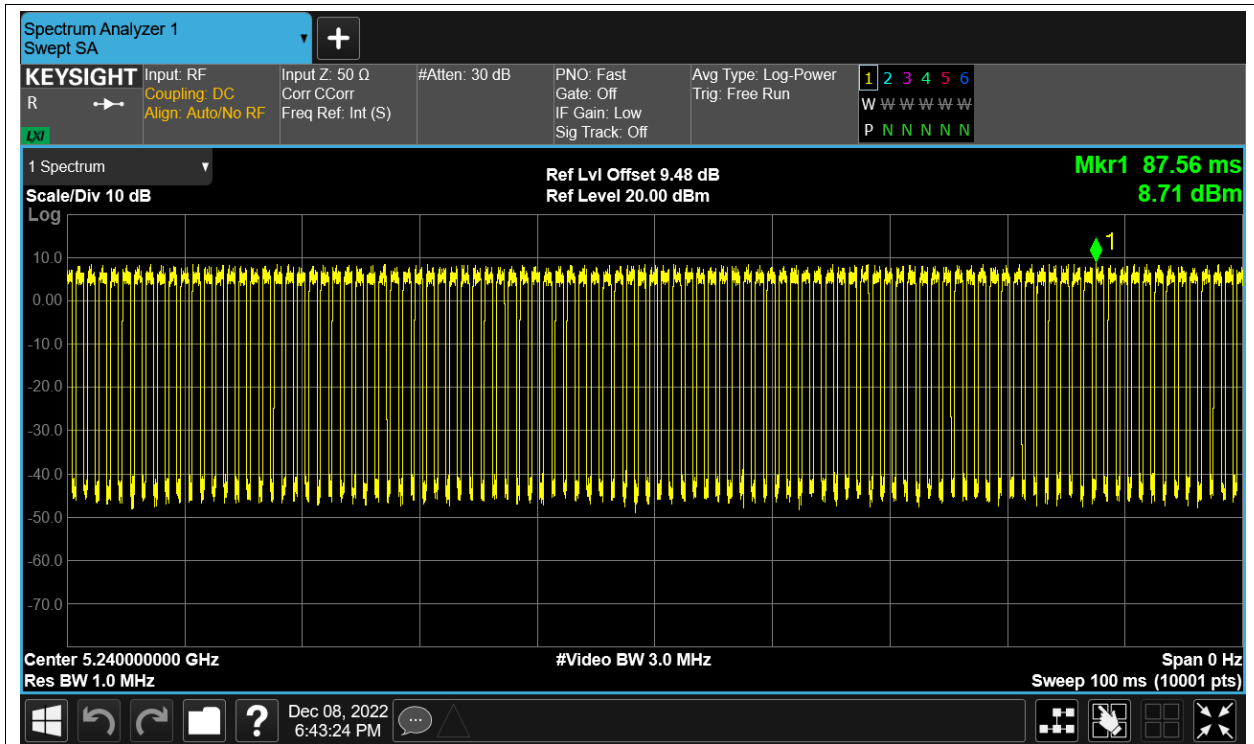
Duty Cycle NVNT n20 5180MHz Sum



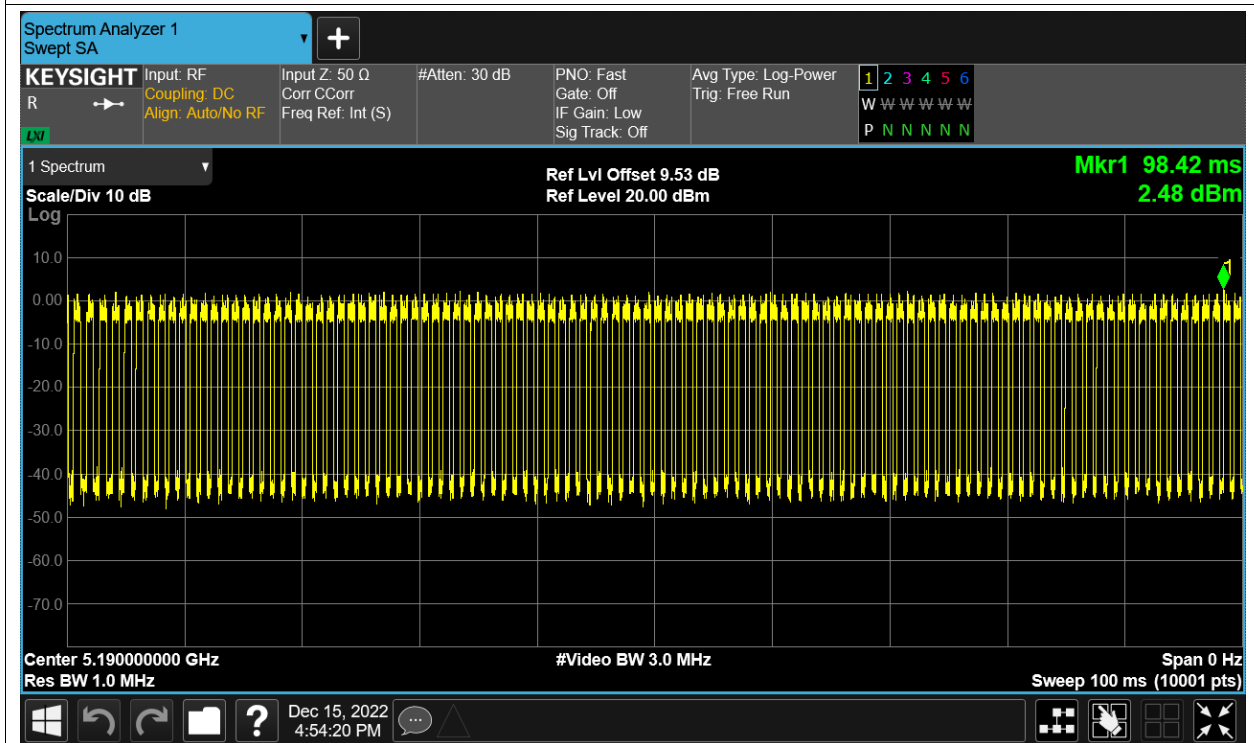
Duty Cycle NVNT n20 5200MHz Sum



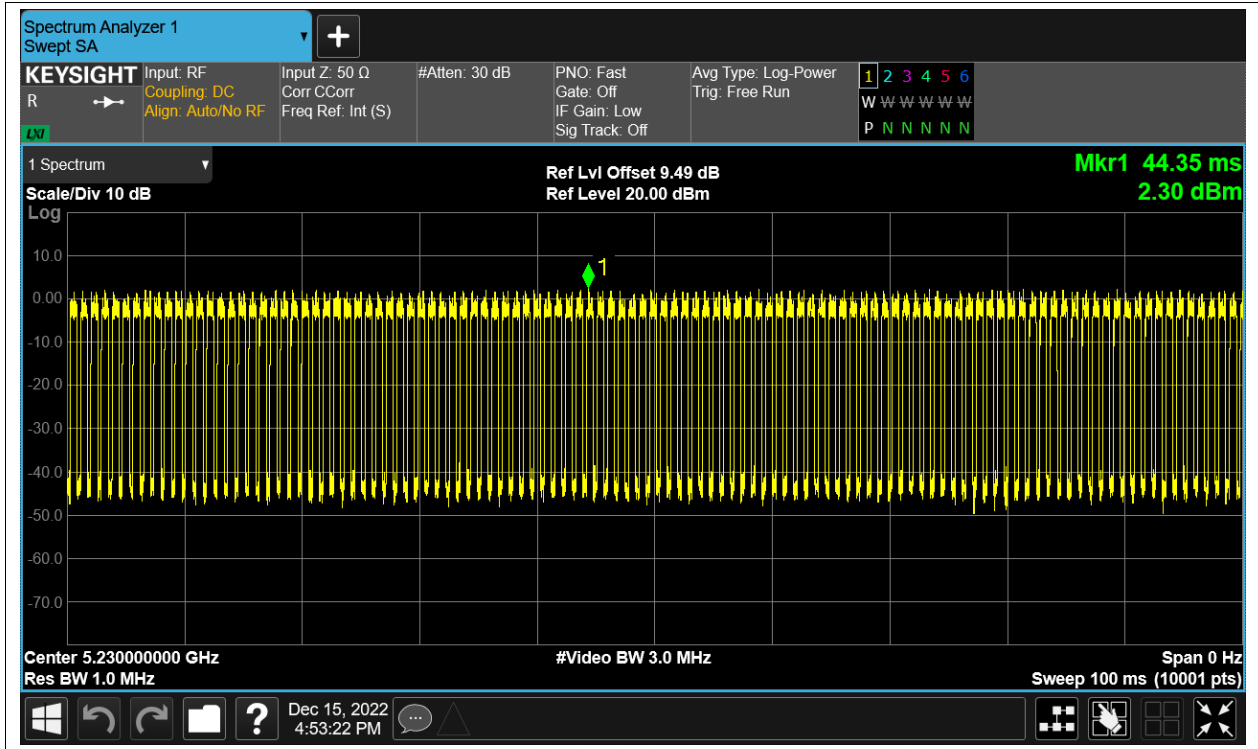
Duty Cycle NVNT n20 5240MHz Sum



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	13.38	0.81	14.19	20.99	Pass
NVNT	a	5200	Ant1	13.5	0.85	14.35	20.99	Pass
NVNT	a	5240	Ant1	13.73	0.82	14.55	20.99	Pass
NVNT	a	5180	Ant2	13.68	0.8	14.48	20.99	Pass
NVNT	a	5200	Ant2	13.63	0.88	14.51	20.99	Pass
NVNT	a	5240	Ant2	13.27	0.82	14.09	20.99	Pass
NVNT	ac20	5180	Ant1	11.72	1.52	13.24	20.99	Pass
NVNT	ac20	5180	Ant2	8.58	1.52	10.1	20.99	Pass
NVNT	ac20	5180	Sum	13.438	1.52	14.958	20.99	Pass
NVNT	ac20	5200	Ant1	11.95	1.55	13.5	20.99	Pass
NVNT	ac20	5200	Ant2	8.56	1.55	10.11	20.99	Pass
NVNT	ac20	5200	Sum	13.588	1.55	15.138	20.99	Pass
NVNT	ac20	5240	Ant1	12.13	1.58	13.71	20.99	Pass
NVNT	ac20	5240	Ant2	8.12	1.58	9.7	20.99	Pass
NVNT	ac20	5240	Sum	13.583	1.58	15.163	20.99	Pass
NVNT	ac40	5190	Ant1	11.95	0	11.95	20.99	Pass
NVNT	ac40	5190	Ant2	8.28	0	8.28	20.99	Pass
NVNT	ac40	5190	Sum	13.502	0	13.502	20.99	Pass
NVNT	ac40	5230	Ant1	10.67	1.71	12.38	20.99	Pass
NVNT	ac40	5230	Ant2	6.51	1.71	8.22	20.99	Pass
NVNT	ac40	5230	Sum	12.08	1.71	13.79	20.99	Pass
NVNT	ac80	5210	Ant1	9.53	3.03	12.56	20.99	Pass
NVNT	ac80	5210	Ant2	5.43	3.03	8.46	20.99	Pass
NVNT	ac80	5210	Sum	10.957	3.03	13.987	20.99	Pass
NVNT	n20	5180	Ant1	12.07	1.48	13.55	20.99	Pass
NVNT	n20	5180	Ant2	8.66	1.48	10.14	20.99	Pass
NVNT	n20	5180	Sum	13.702	1.48	15.182	20.99	Pass
NVNT	n20	5200	Ant1	11.98	1.72	13.7	20.99	Pass
NVNT	n20	5200	Ant2	8.57	1.72	10.29	20.99	Pass
NVNT	n20	5200	Sum	13.612	1.72	15.332	20.99	Pass
NVNT	n20	5240	Ant1	12.23	1.62	13.85	20.99	Pass
NVNT	n20	5240	Ant2	8.08	1.62	9.7	20.99	Pass
NVNT	n20	5240	Sum	13.643	1.62	15.263	20.99	Pass
NVNT	n40	5190	Ant1	10.58	1.76	12.34	20.99	Pass
NVNT	n40	5190	Ant2	6.84	1.76	8.6	20.99	Pass
NVNT	n40	5190	Sum	12.111	1.76	13.871	20.99	Pass
NVNT	n40	5230	Ant1	10.74	1.74	12.48	20.99	Pass
NVNT	n40	5230	Ant2	6.43	1.74	8.17	20.99	Pass
NVNT	n40	5230	Sum	12.109	1.74	13.849	20.99	Pass