

Test Data

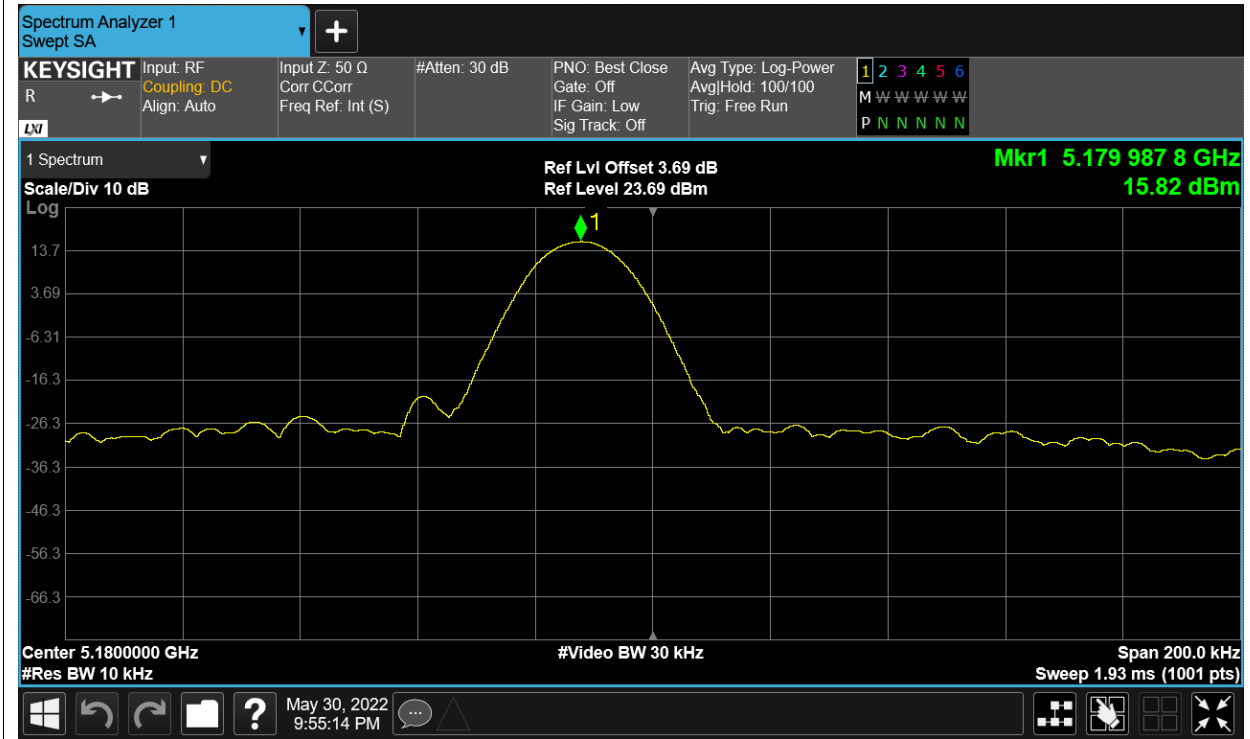
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	a	5180	Ant1	5179.9878	-2.36	Within authorized band	Pass
HVLT	a	5180	Ant1	5179.9878	-2.36		Pass
LVHT	a	5180	Ant1	5179.988	-2.32		Pass
LVLT	a	5180	Ant1	5179.988	-2.32		Pass
NVNT	a	5180	Ant1	5179.988	-2.32		Pass
HVHT	ac80	5210	Ant1	5209.9828	-3.3		Pass
HVLT	ac80	5210	Ant1	5209.983	-3.26		Pass
LVHT	ac80	5210	Ant1	5209.983	-3.26		Pass
LVLT	ac80	5210	Ant1	5209.9832	-3.22		Pass
NVNT	ac80	5210	Ant1	5209.9834	-3.19		Pass
HVHT	n40	5190	Ant1	5189.984	-3.08		Pass
HVLT	n40	5190	Ant1	5189.9842	-3.04		Pass
LVHT	n40	5190	Ant1	5189.9844	-3.01		Pass
LVLT	n40	5190	Ant1	5189.9844	-3.01		Pass
NVNT	n40	5190	Ant1	5189.9846	-2.97		Pass

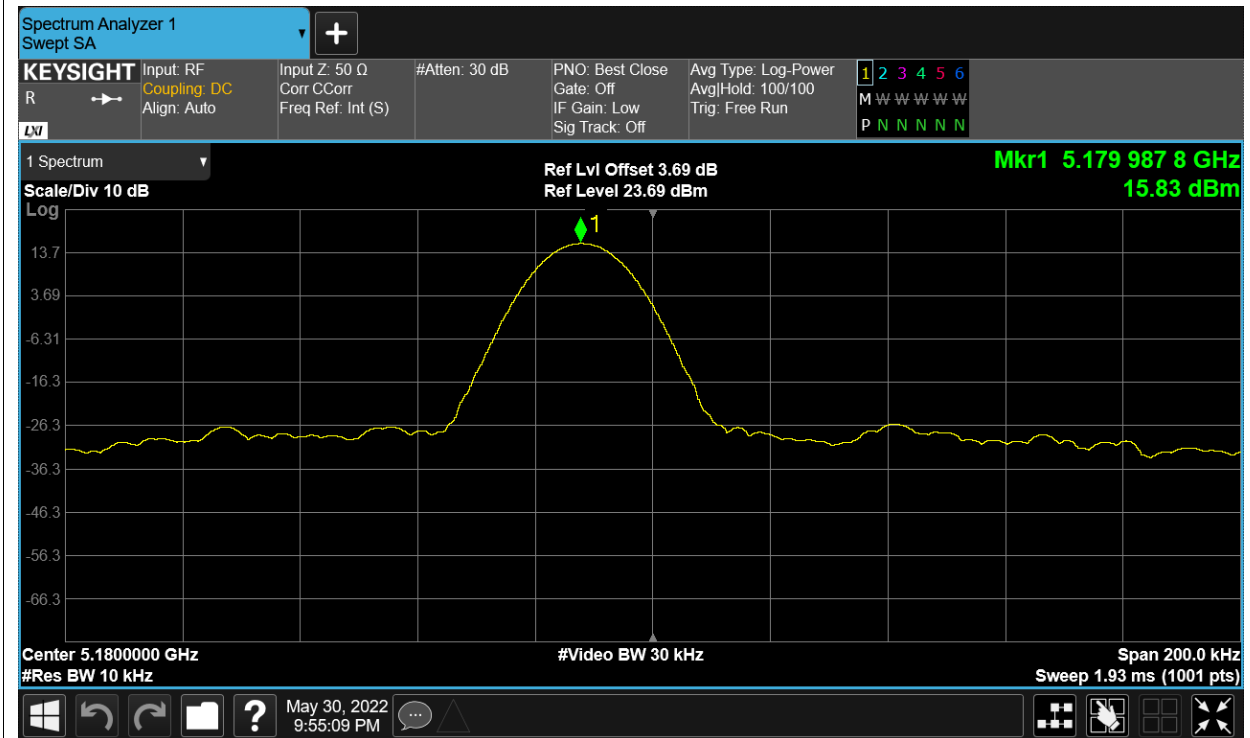
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

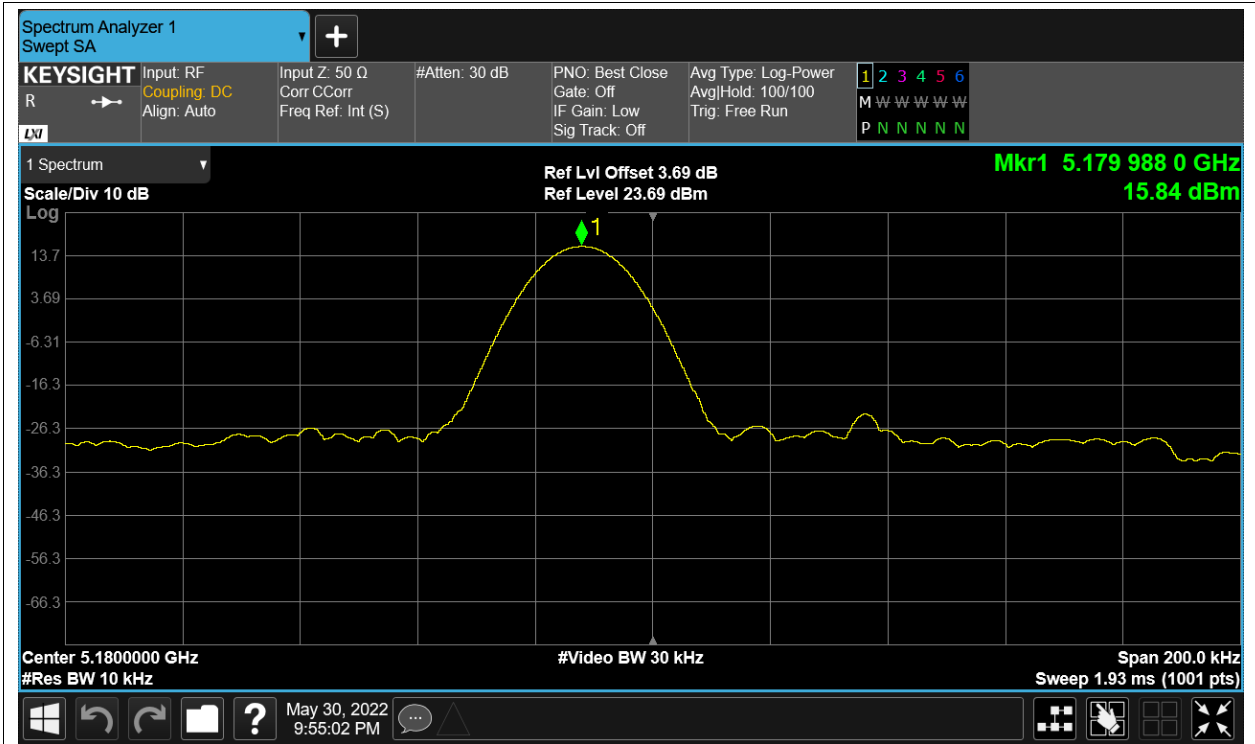
Freq. Stability HVHT a 5180MHz Ant1



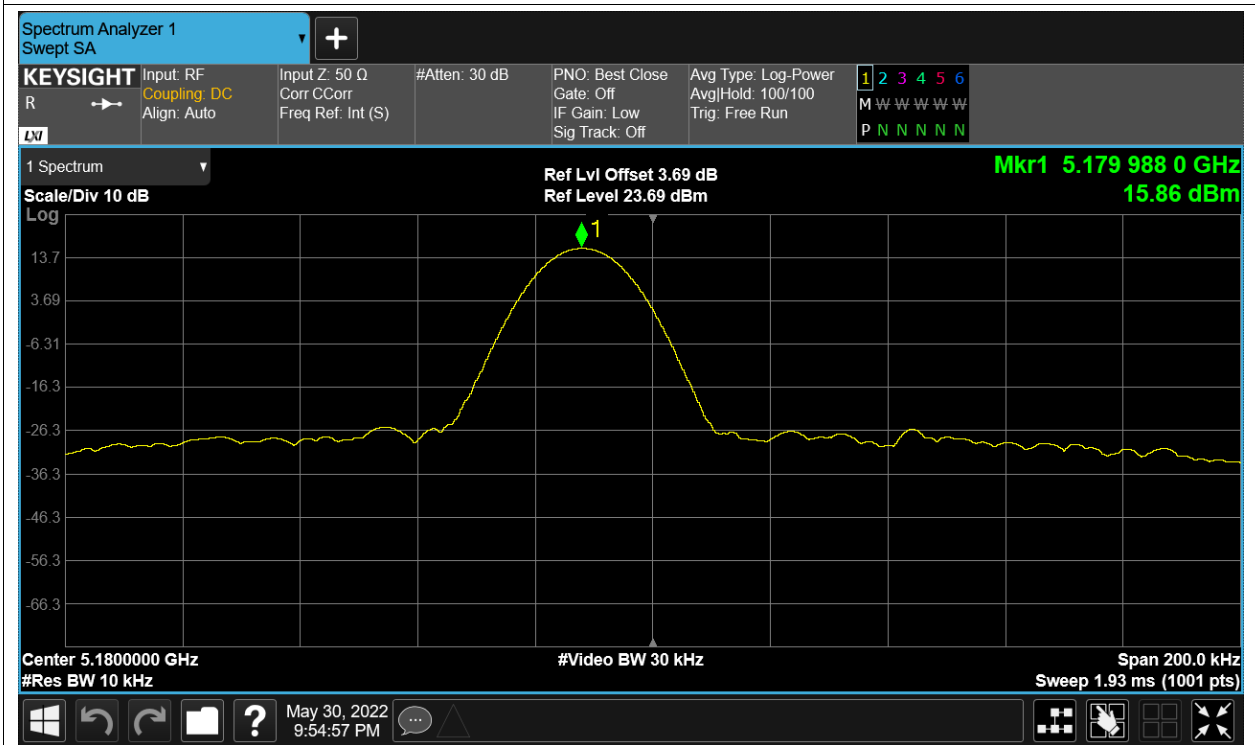
Freq. Stability HVLT a 5180MHz Ant1



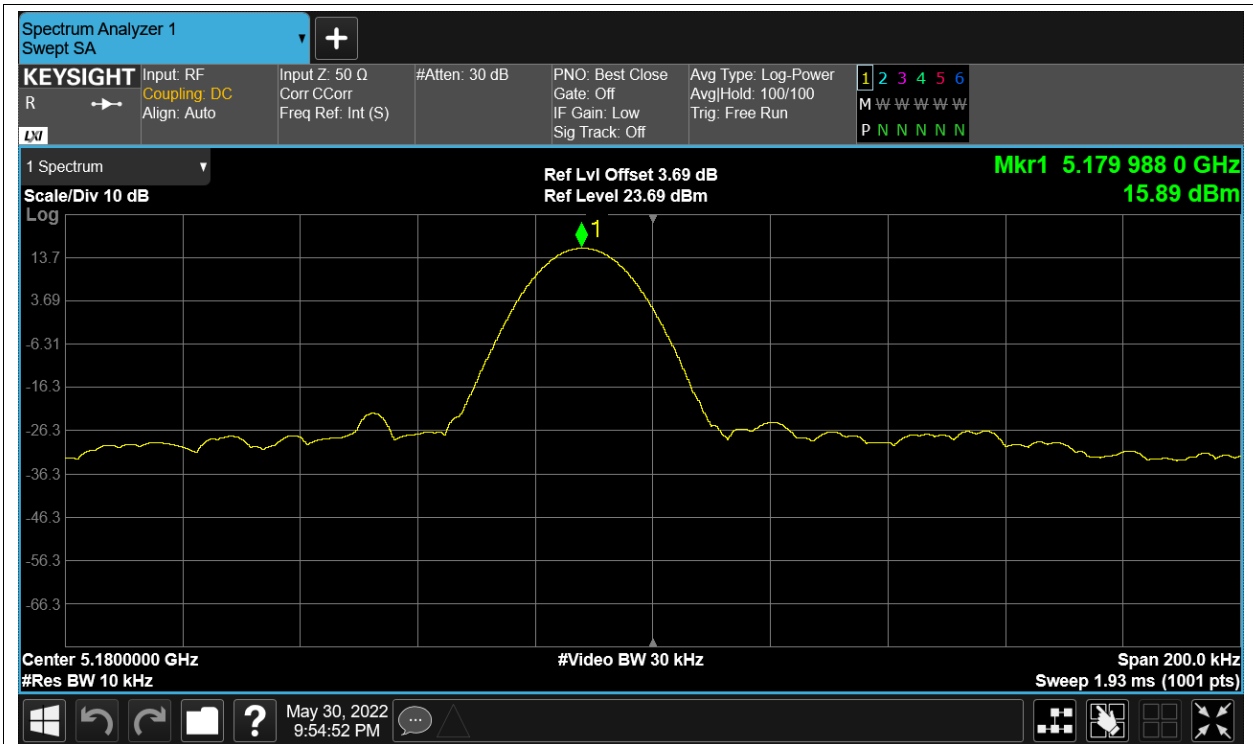
Freq. Stability LVHT a 5180MHz Ant1



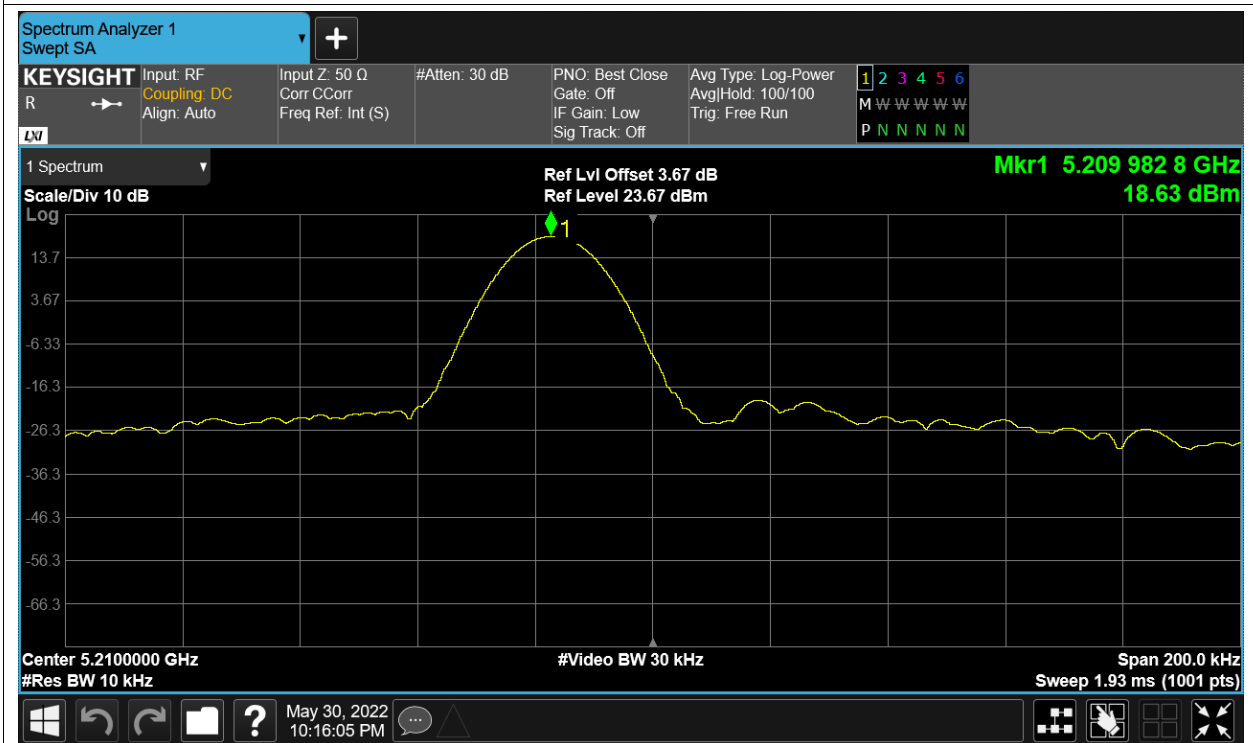
Freq. Stability LVL1 a 5180MHz Ant1



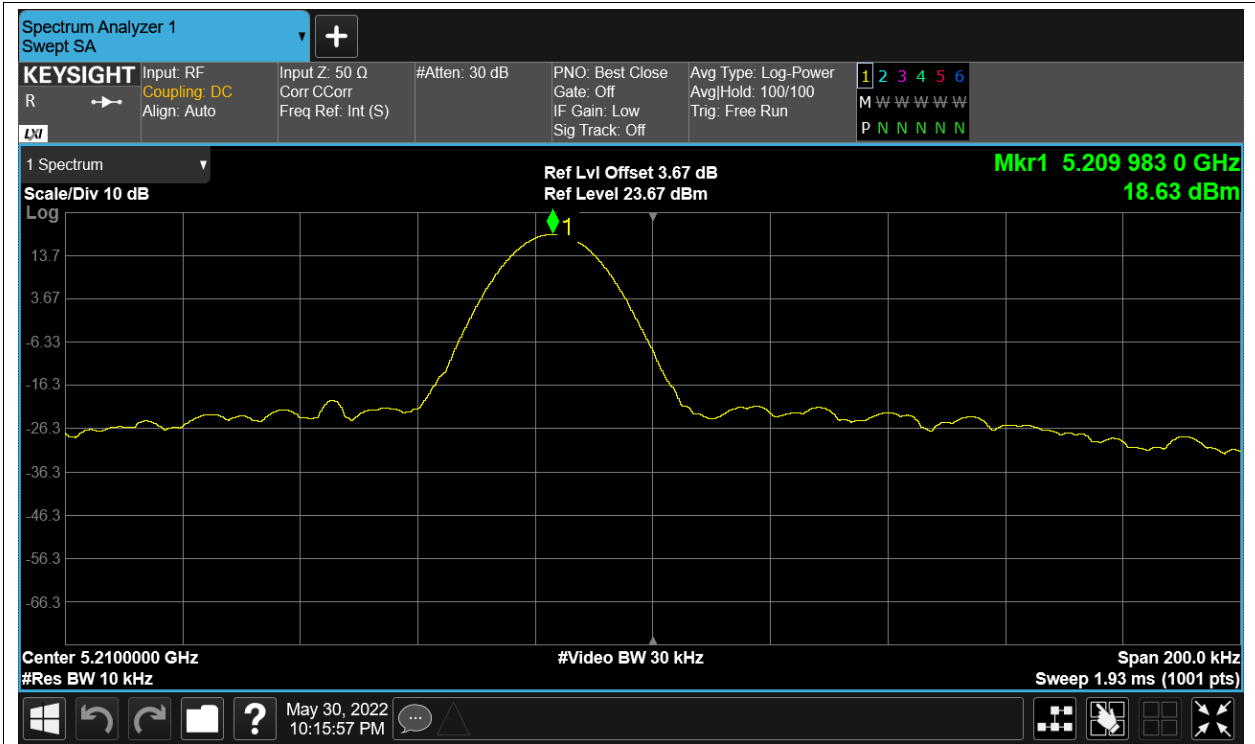
Freq. Stability NVNT a 5180MHz Ant1



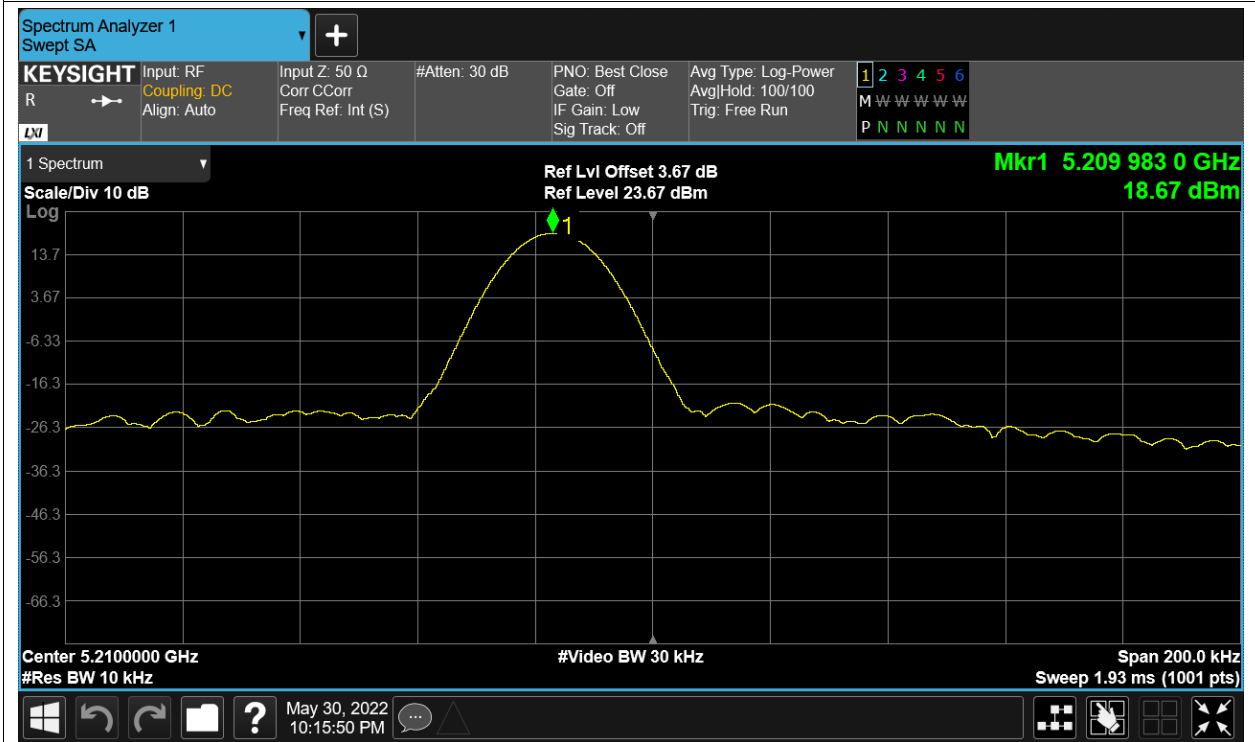
Freq. Stability HVHT ac80 5210MHz Ant1



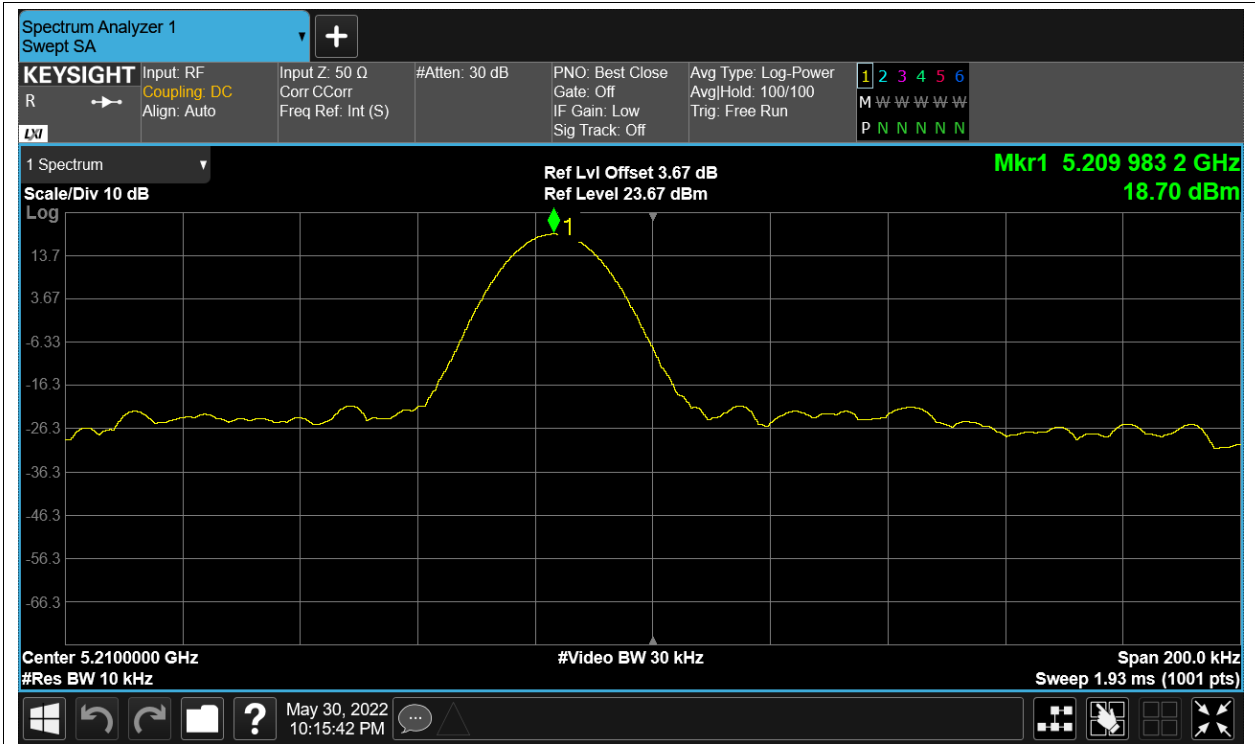
Freq. Stability HVLT ac80 5210MHz Ant1



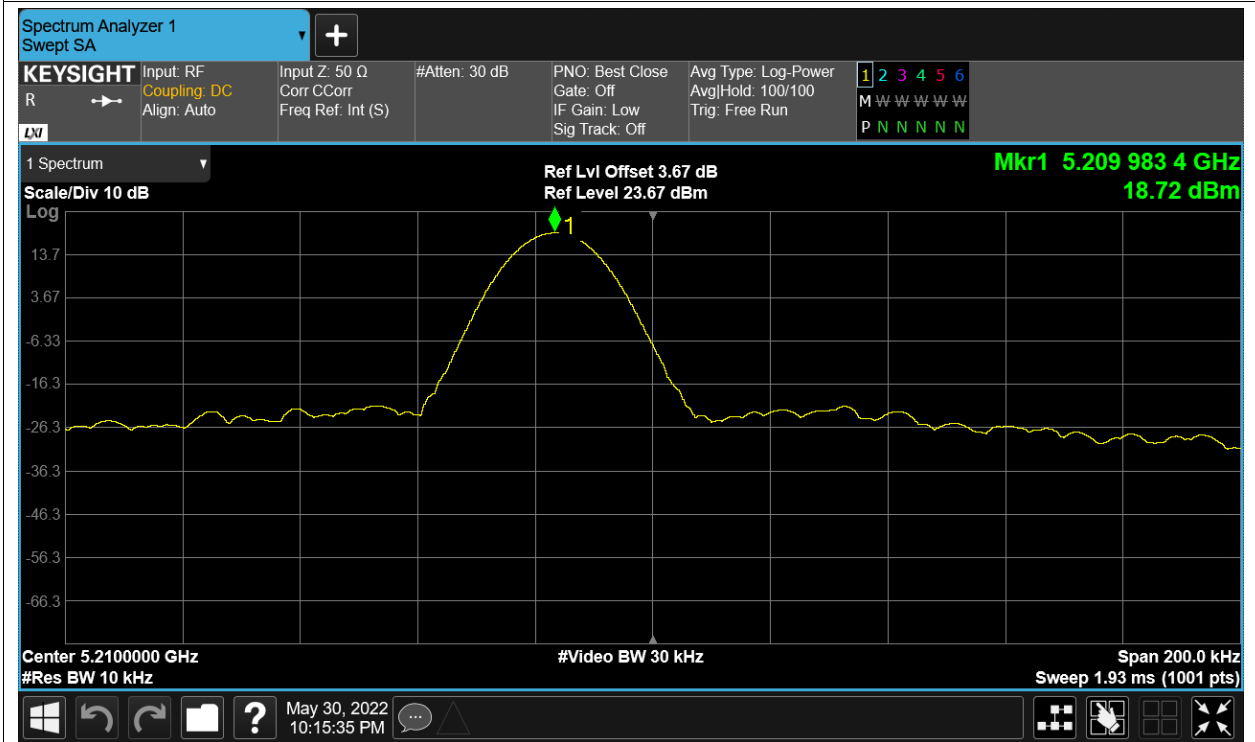
Freq. Stability LVHT ac80 5210MHz Ant1



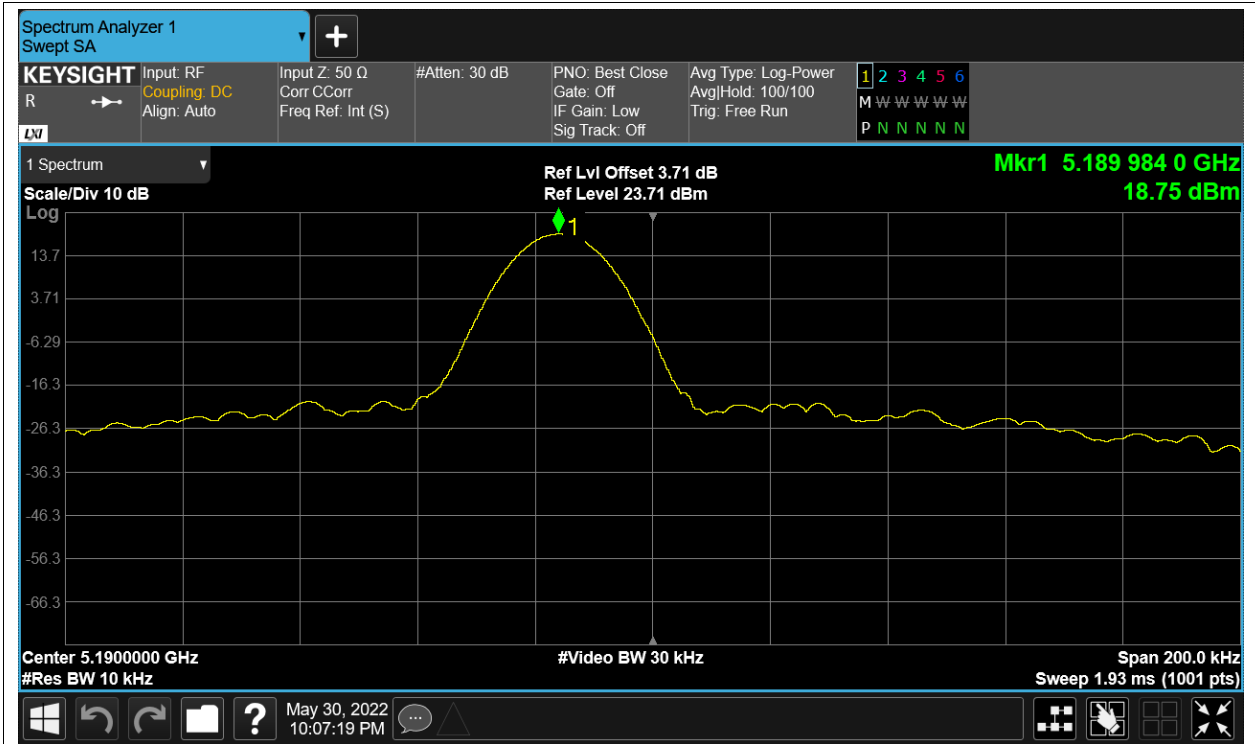
Freq. Stability LVLTL ac80 5210MHz Ant1



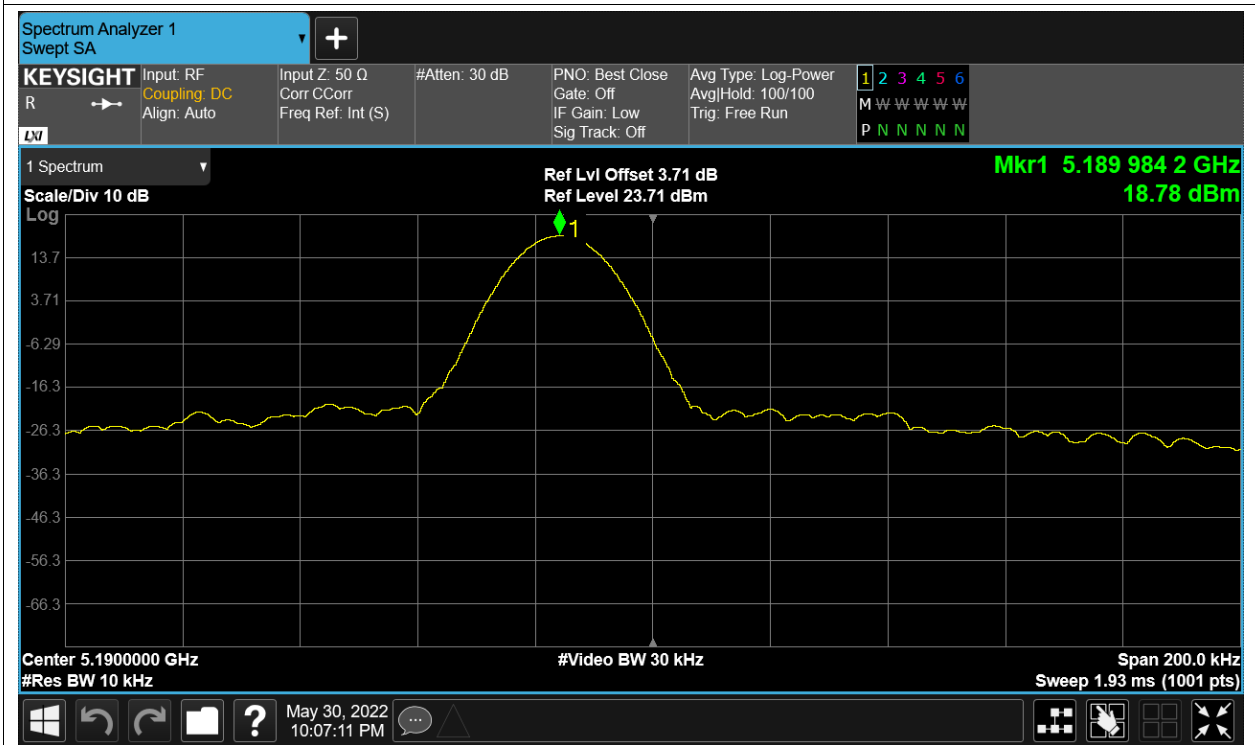
Freq. Stability NVNT ac80 5210MHz Ant1



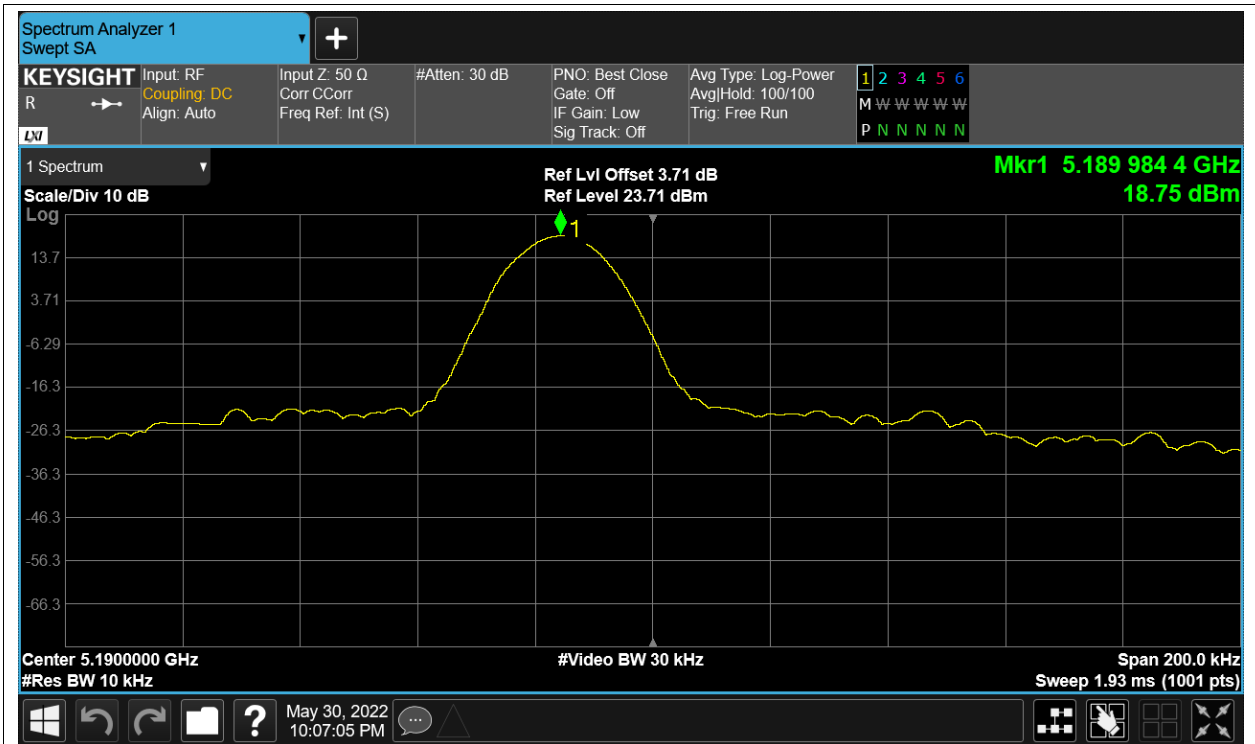
Freq. Stability HVHT n40 5190MHz Ant1



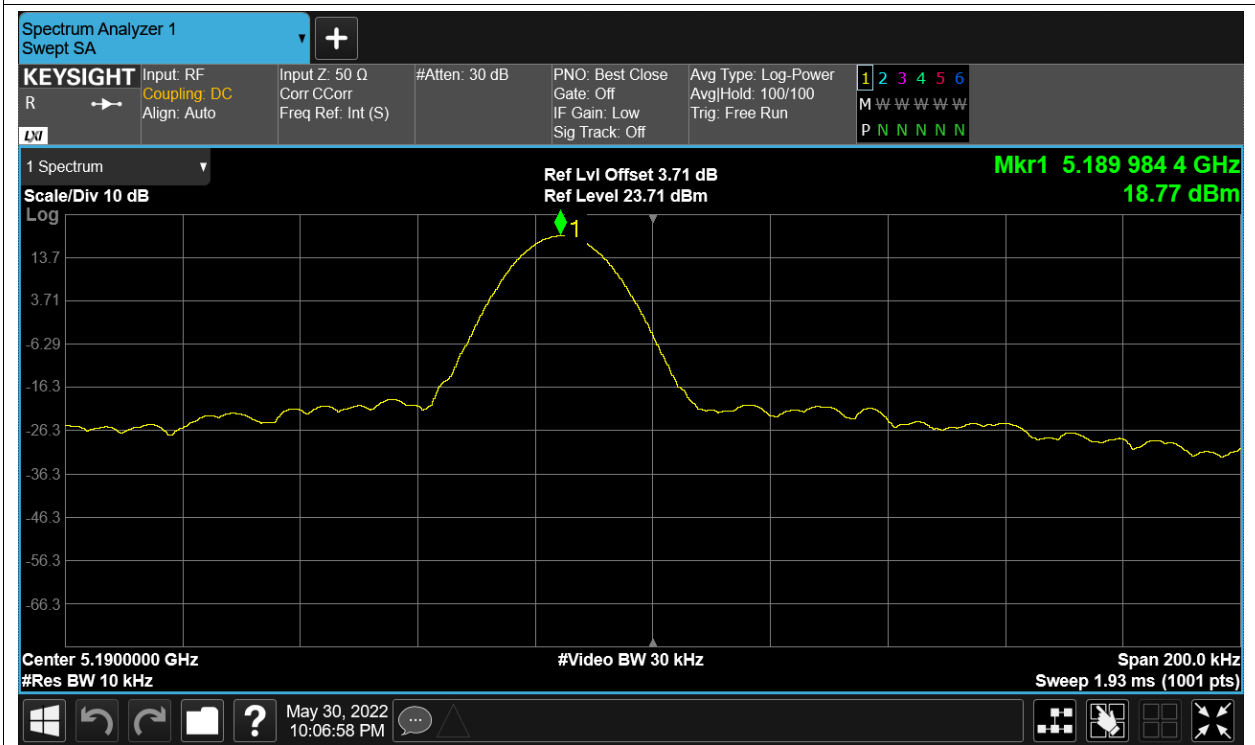
Freq. Stability HVLt n40 5190MHz Ant1



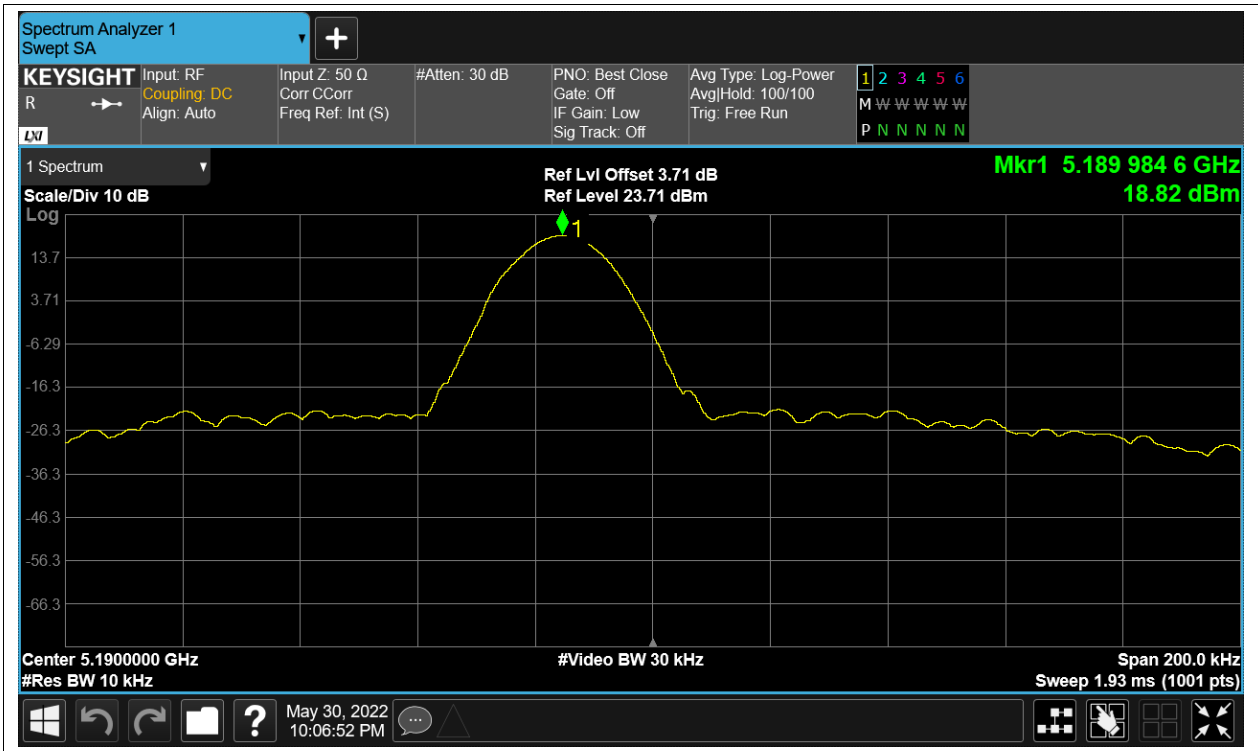
Freq. Stability LVHT n40 5190MHz Ant1



Freq. Stability LVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

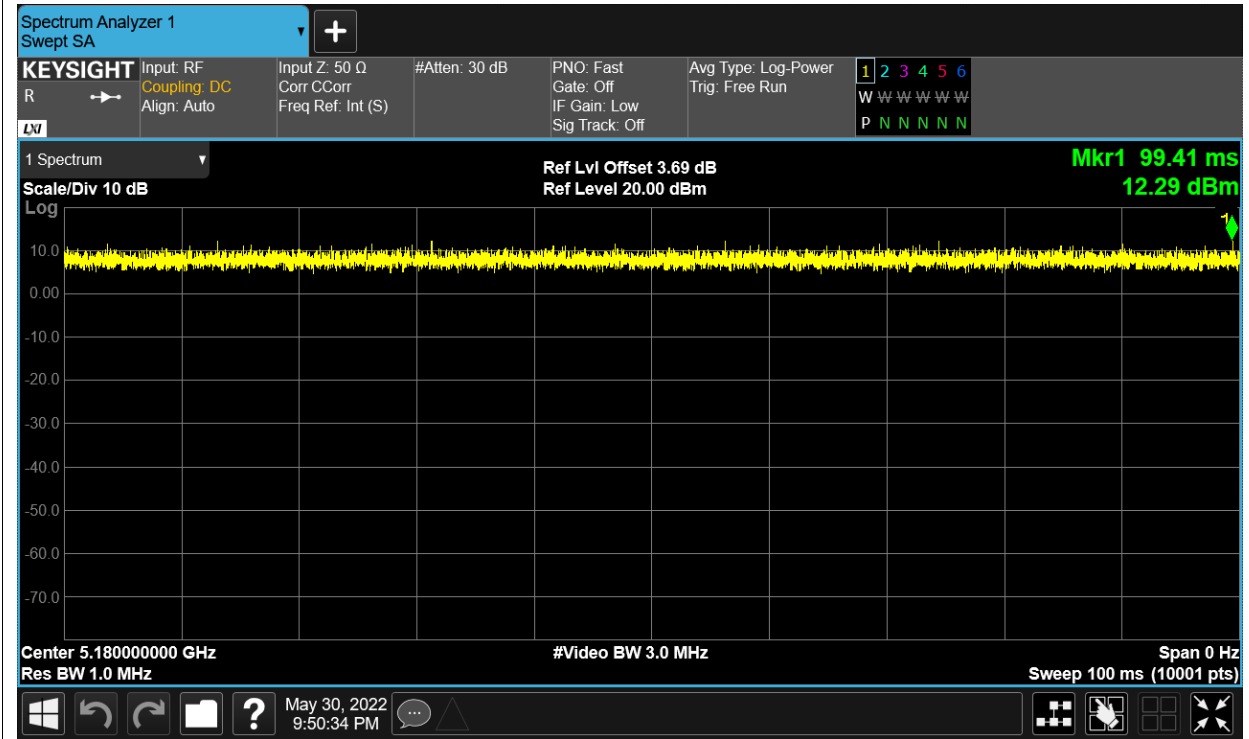


Duty Cycle

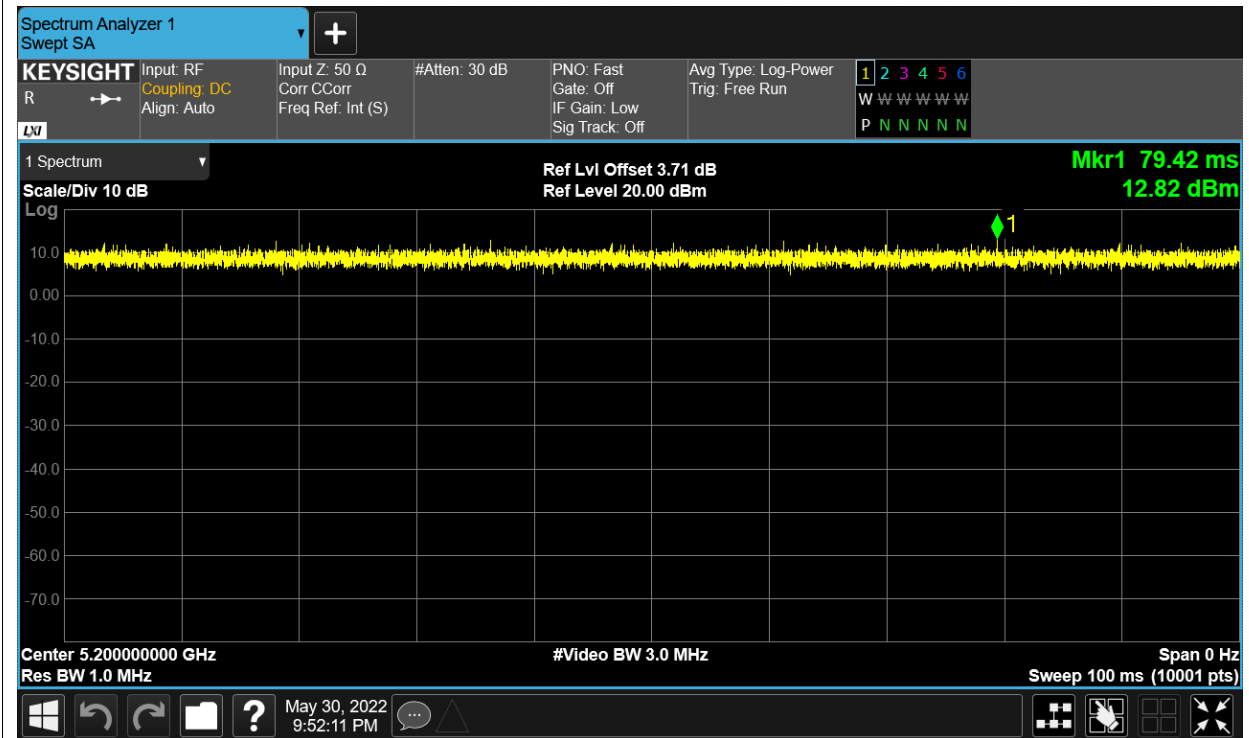
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
NVNT	ac80	5210	Ant1	100	0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

Test Graphs

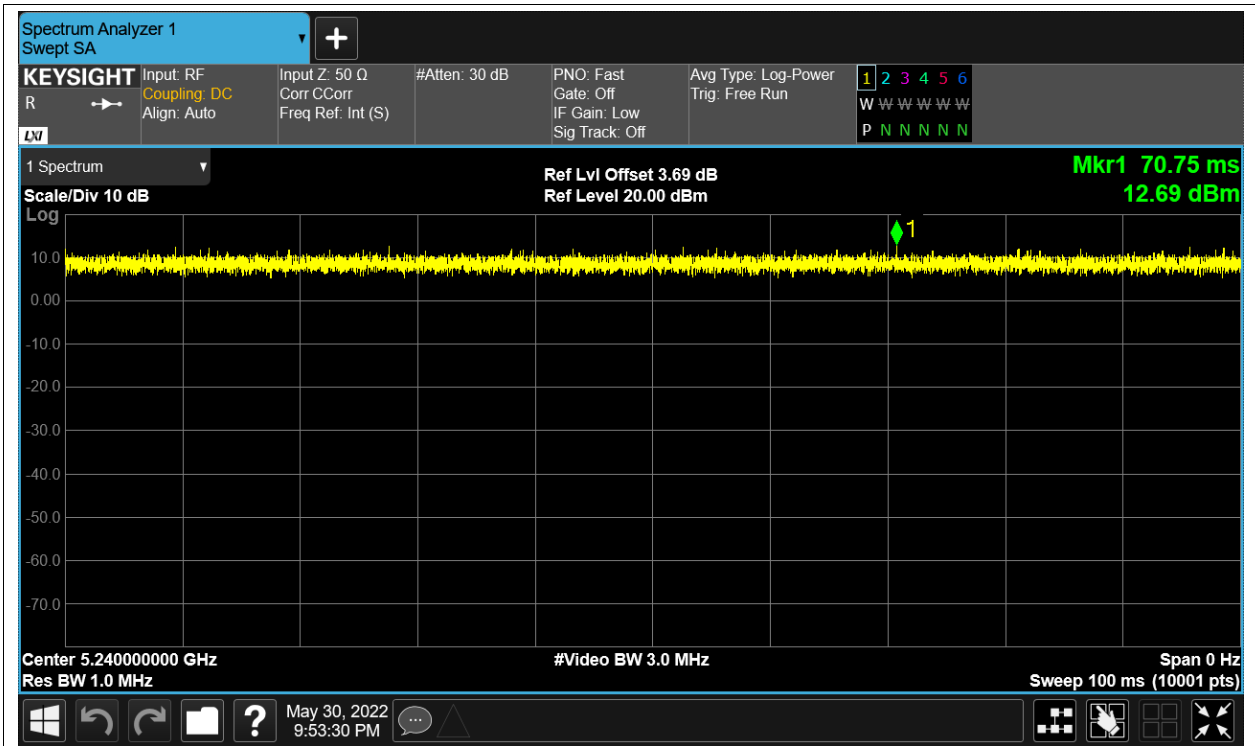
Duty Cycle NVNT a 5180MHz Ant1



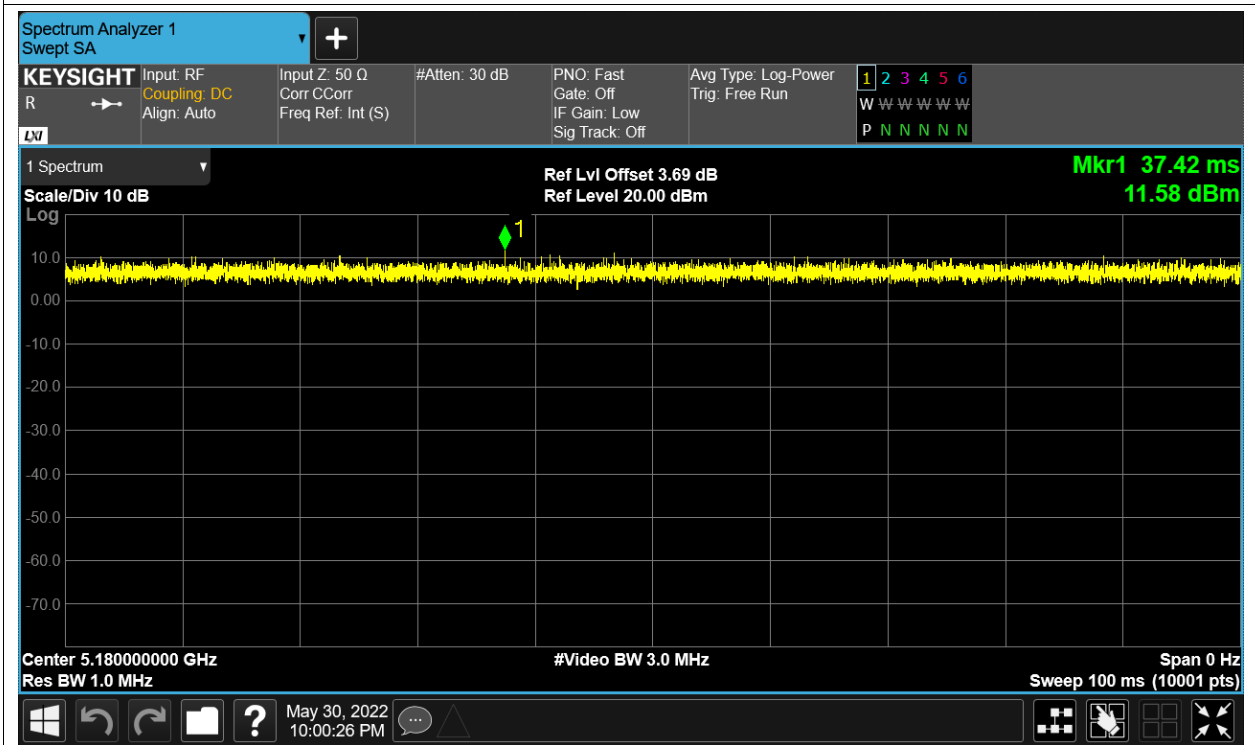
Duty Cycle NVNT a 5200MHz Ant1



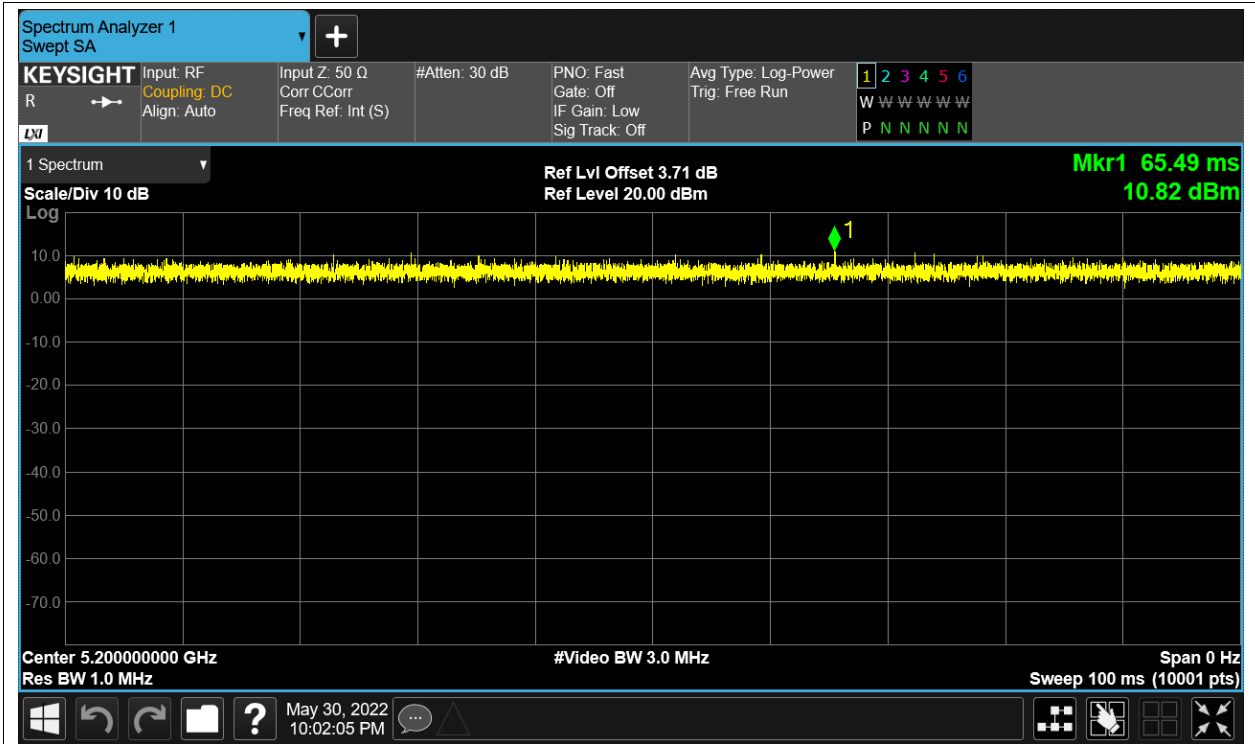
Duty Cycle NVNT a 5240MHz Ant1



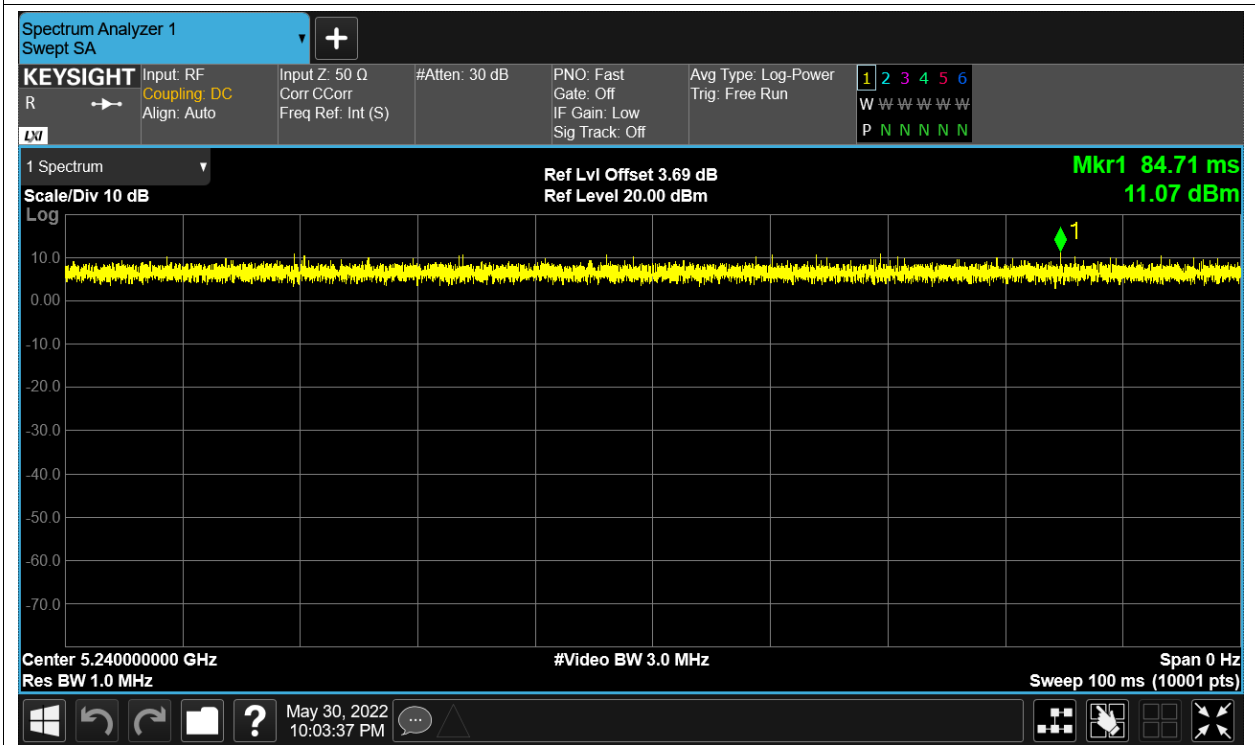
Duty Cycle NVNT ac20 5180MHz Ant1



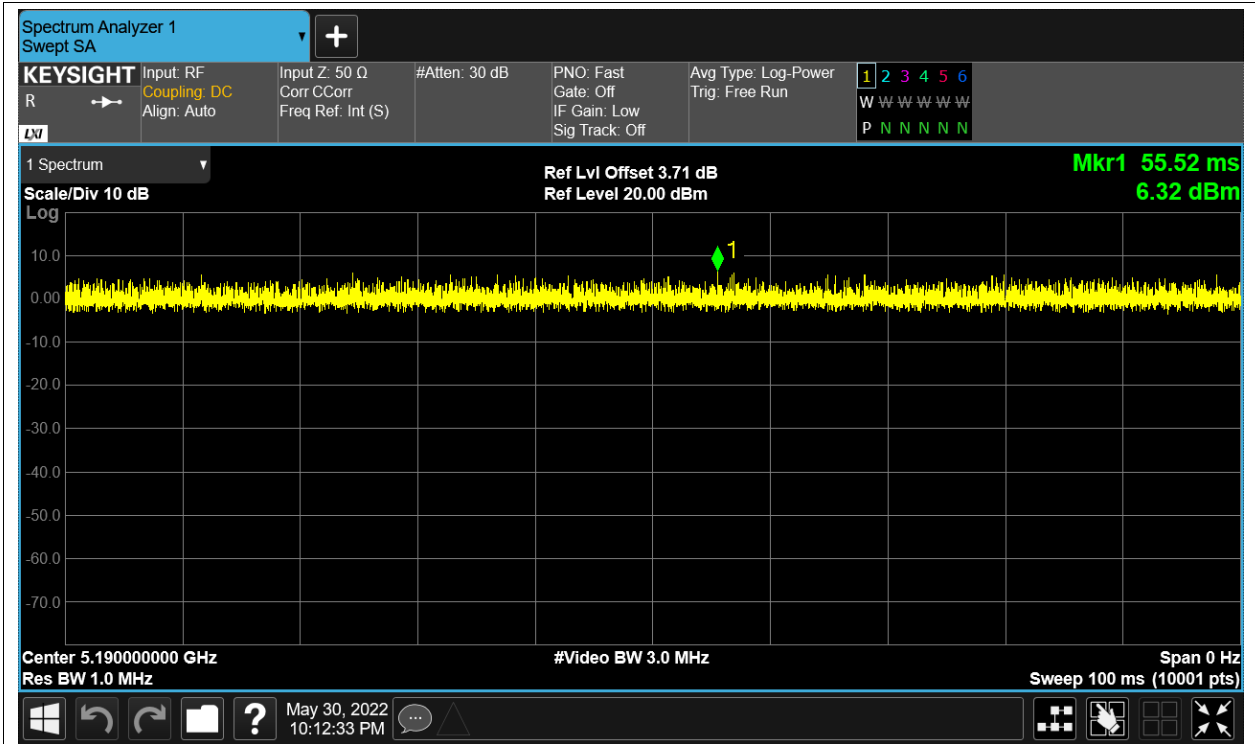
Duty Cycle NVNT ac20 5200MHz Ant1



Duty Cycle NVNT ac20 5240MHz Ant1



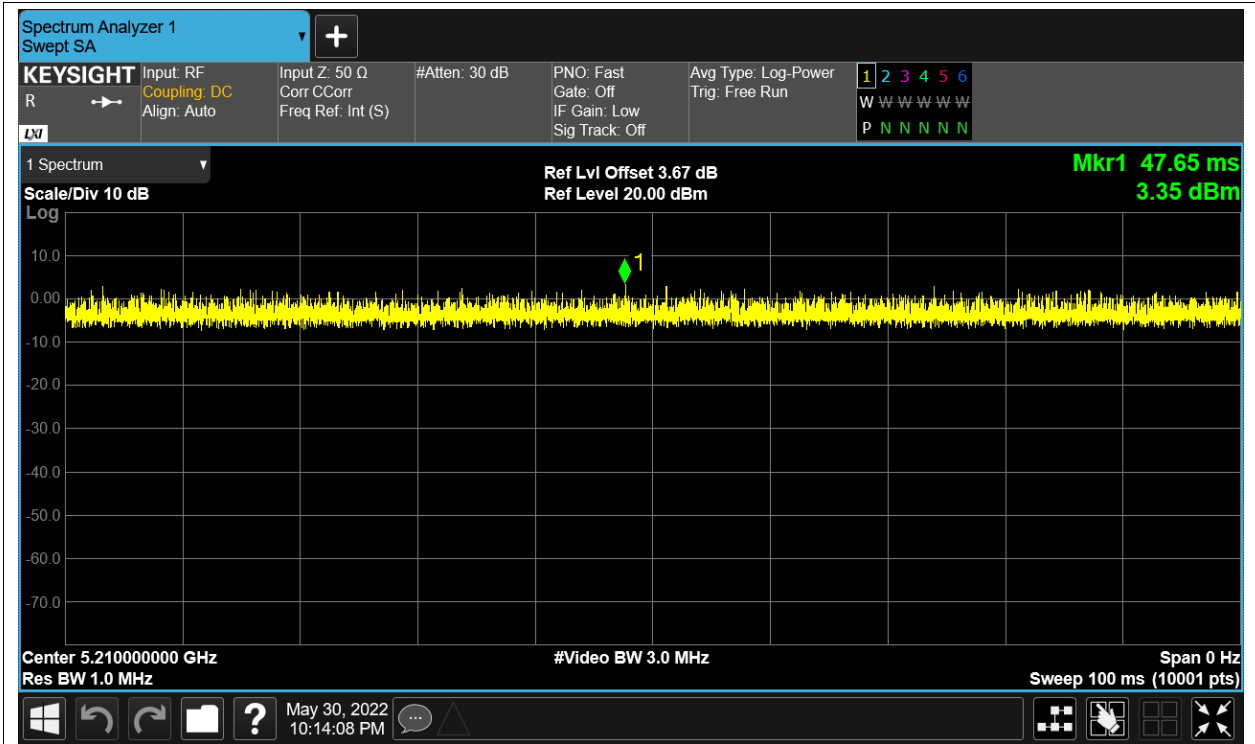
Duty Cycle NVNT ac40 5190MHz Ant1



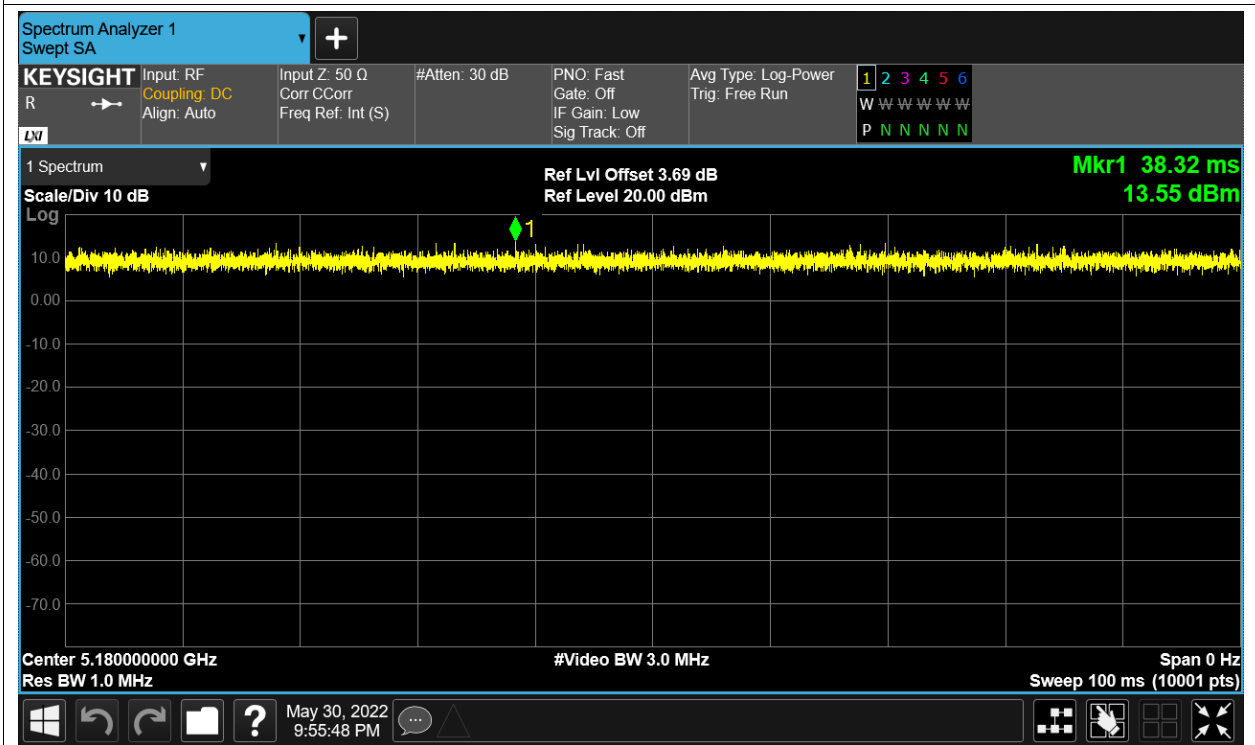
Duty Cycle NVNT ac40 5230MHz Ant1



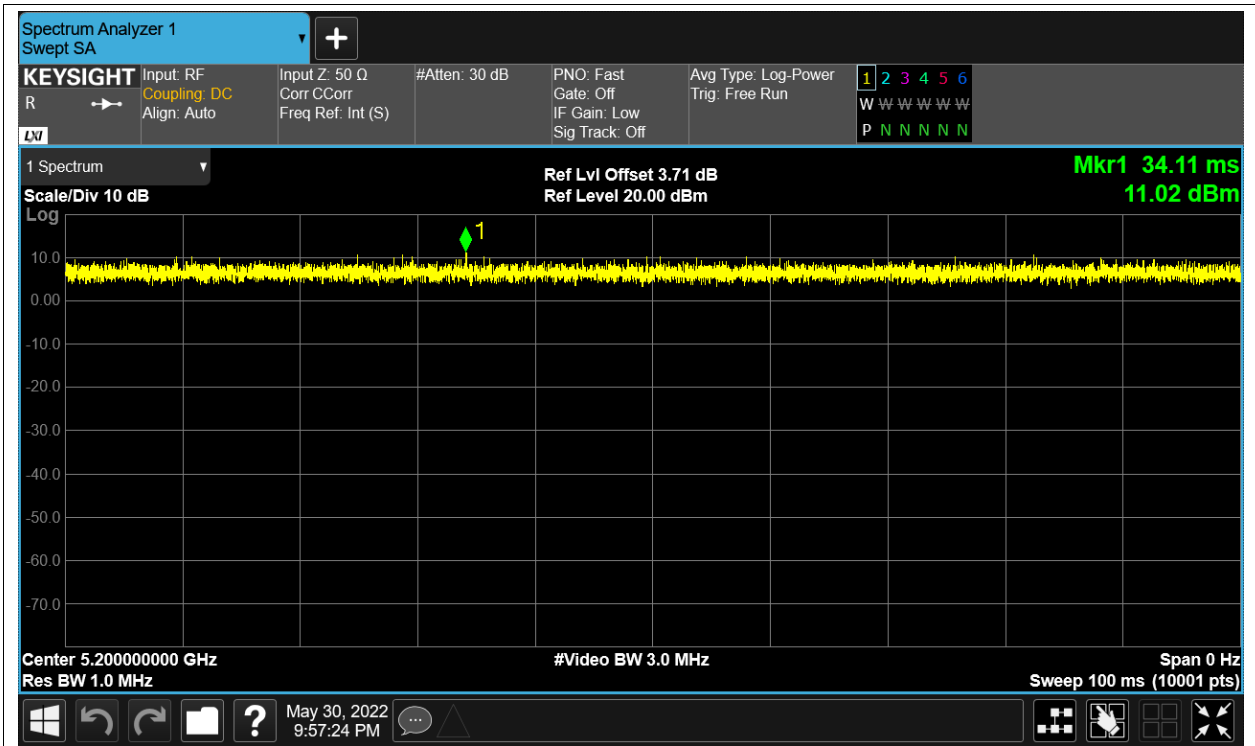
Duty Cycle NVNT ac80 5210MHz Ant1



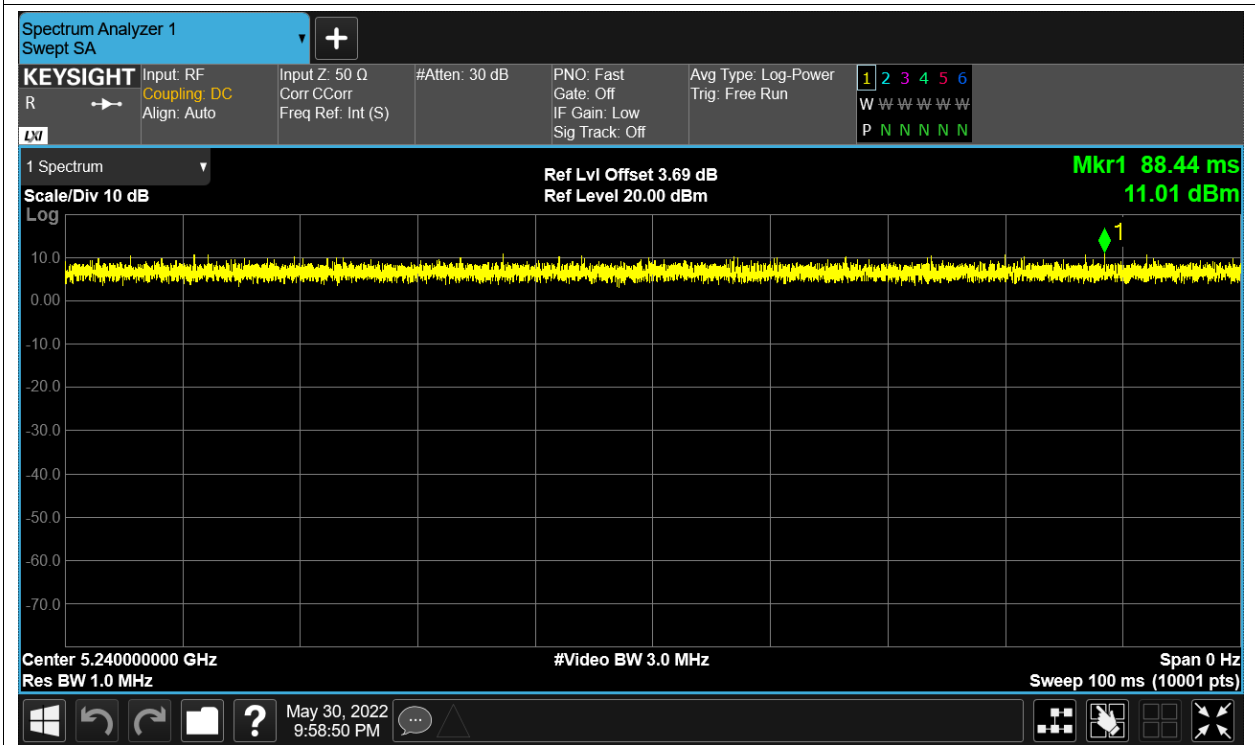
Duty Cycle NVNT n20 5180MHz Ant1



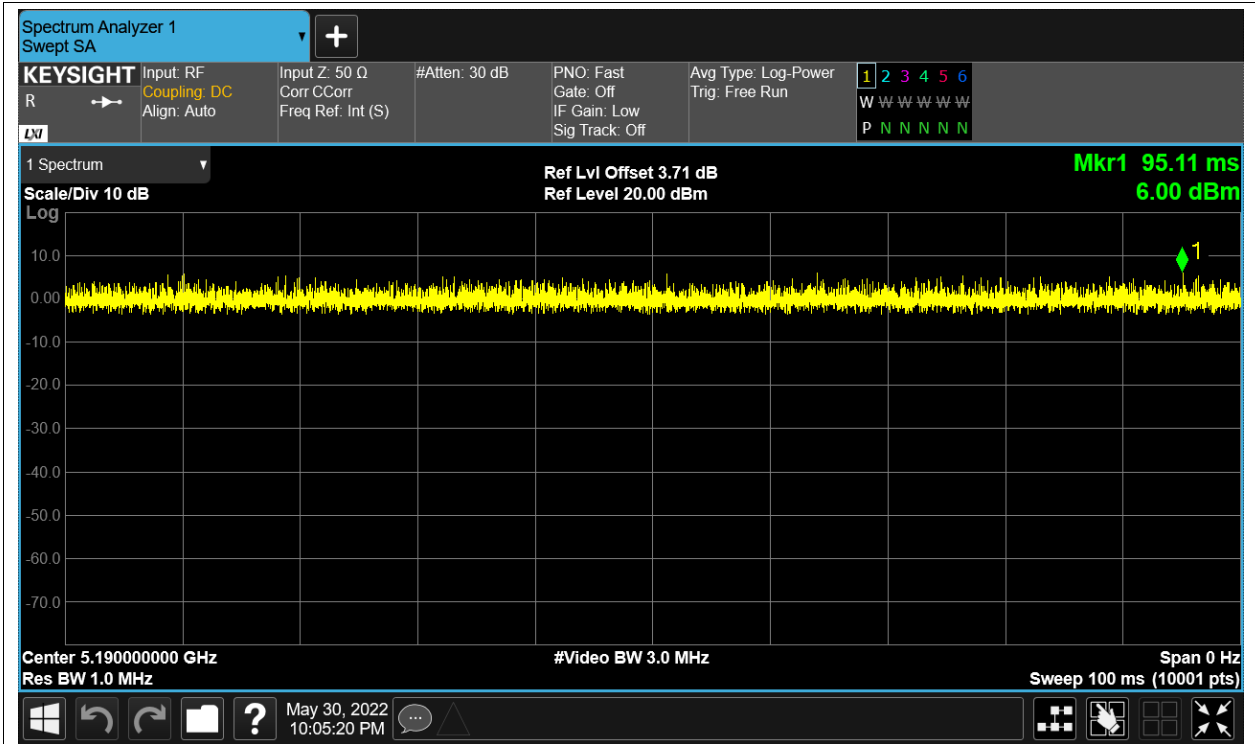
Duty Cycle NVNT n20 5200MHz Ant1



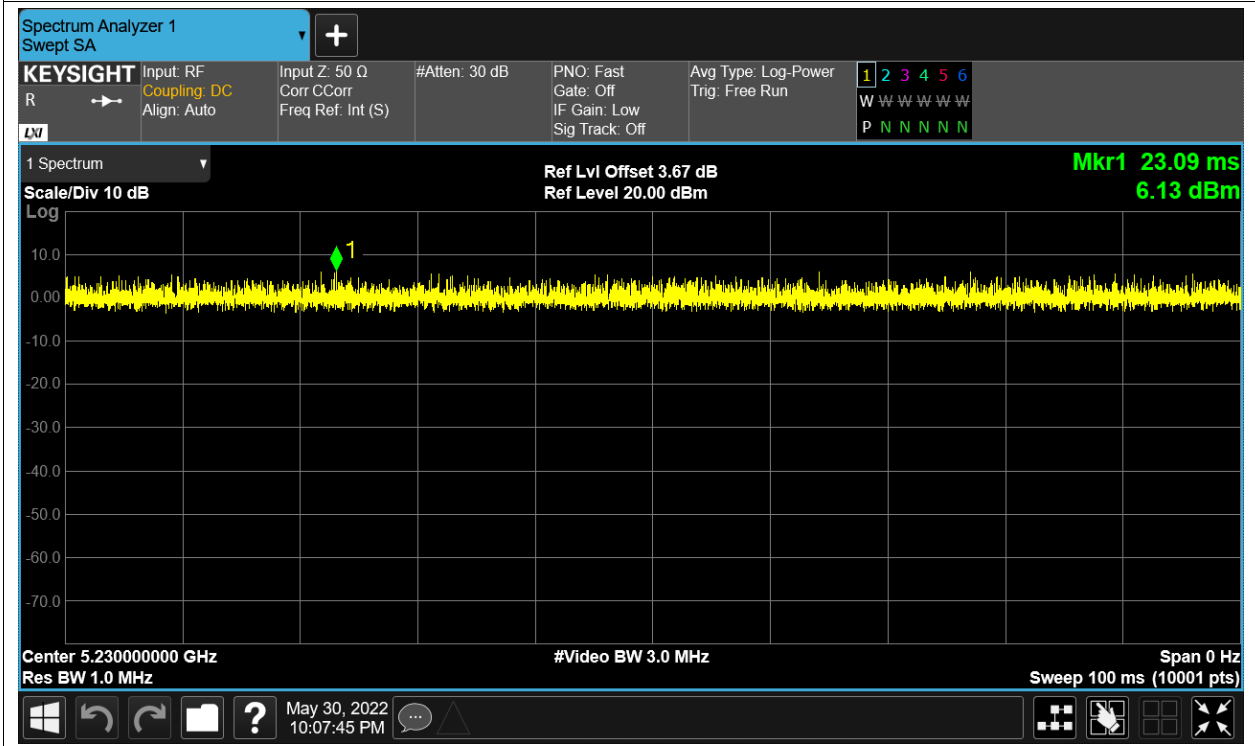
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

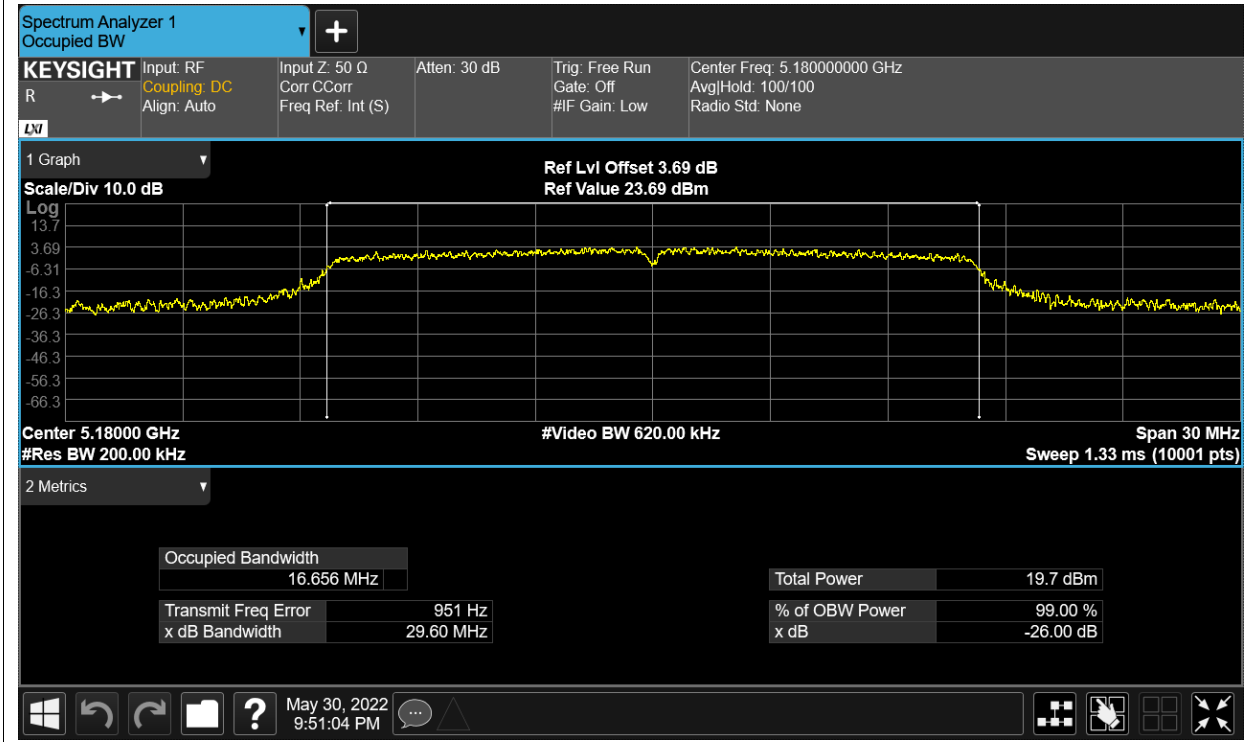
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	14.13	0	14.13	24	Pass
NVNT	a	5200	Ant1	14.36	0	14.36	24	Pass
NVNT	a	5240	Ant1	14.24	0	14.24	24	Pass
NVNT	ac20	5180	Ant1	12.71	0	12.71	24	Pass
NVNT	ac20	5200	Ant1	12.9	0	12.9	24	Pass
NVNT	ac20	5240	Ant1	12.59	0	12.59	24	Pass
NVNT	ac40	5190	Ant1	12.81	0	12.81	24	Pass
NVNT	ac40	5230	Ant1	12.3	0	12.3	24	Pass
NVNT	ac80	5210	Ant1	12.47	0	12.47	24	Pass
NVNT	n20	5180	Ant1	14.38	0	14.38	24	Pass
NVNT	n20	5200	Ant1	12.9	0	12.9	24	Pass
NVNT	n20	5240	Ant1	12.61	0	12.61	24	Pass
NVNT	n40	5190	Ant1	12.68	0	12.68	24	Pass
NVNT	n40	5230	Ant1	12.55	0	12.55	24	Pass

Occupied Channel Bandwidth

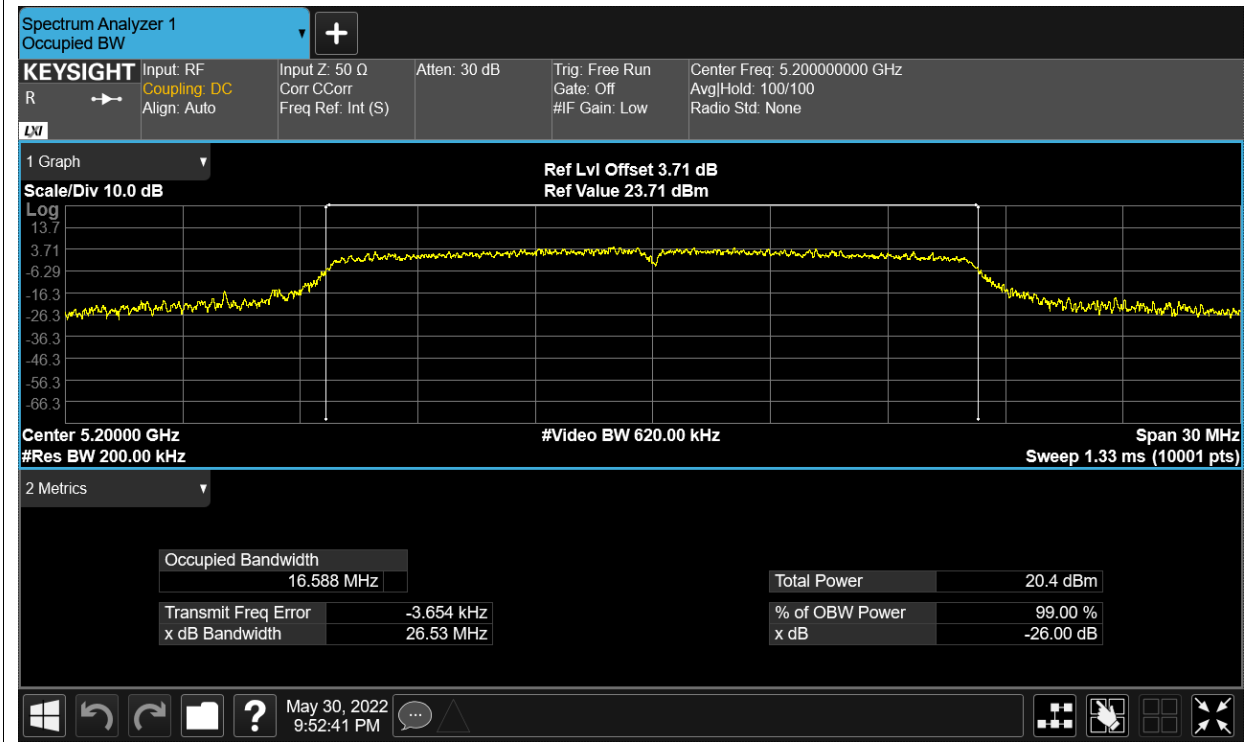
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.65600098
NVNT	a	5200	Ant1	16.5884541
NVNT	a	5240	Ant1	16.57325589
NVNT	ac20	5180	Ant1	17.67065486
NVNT	ac20	5200	Ant1	17.59066534
NVNT	ac20	5240	Ant1	17.5494607
NVNT	ac40	5190	Ant1	35.94902397
NVNT	ac40	5230	Ant1	35.96751937
NVNT	ac80	5210	Ant1	75.25149598
NVNT	n20	5180	Ant1	17.96814674
NVNT	n20	5200	Ant1	17.58751876
NVNT	n20	5240	Ant1	17.57621639
NVNT	n40	5190	Ant1	35.92965702
NVNT	n40	5230	Ant1	36.00980035

Test Graphs

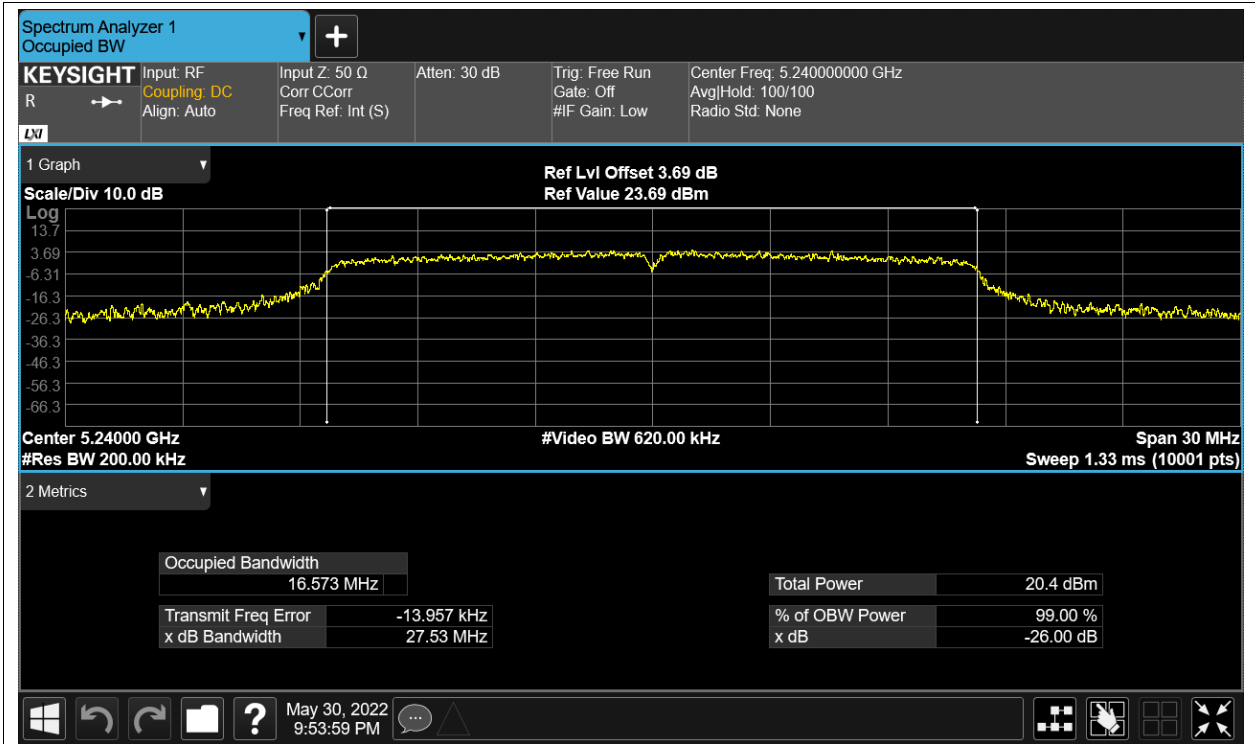
OBW NVNT a 5180MHz Ant1



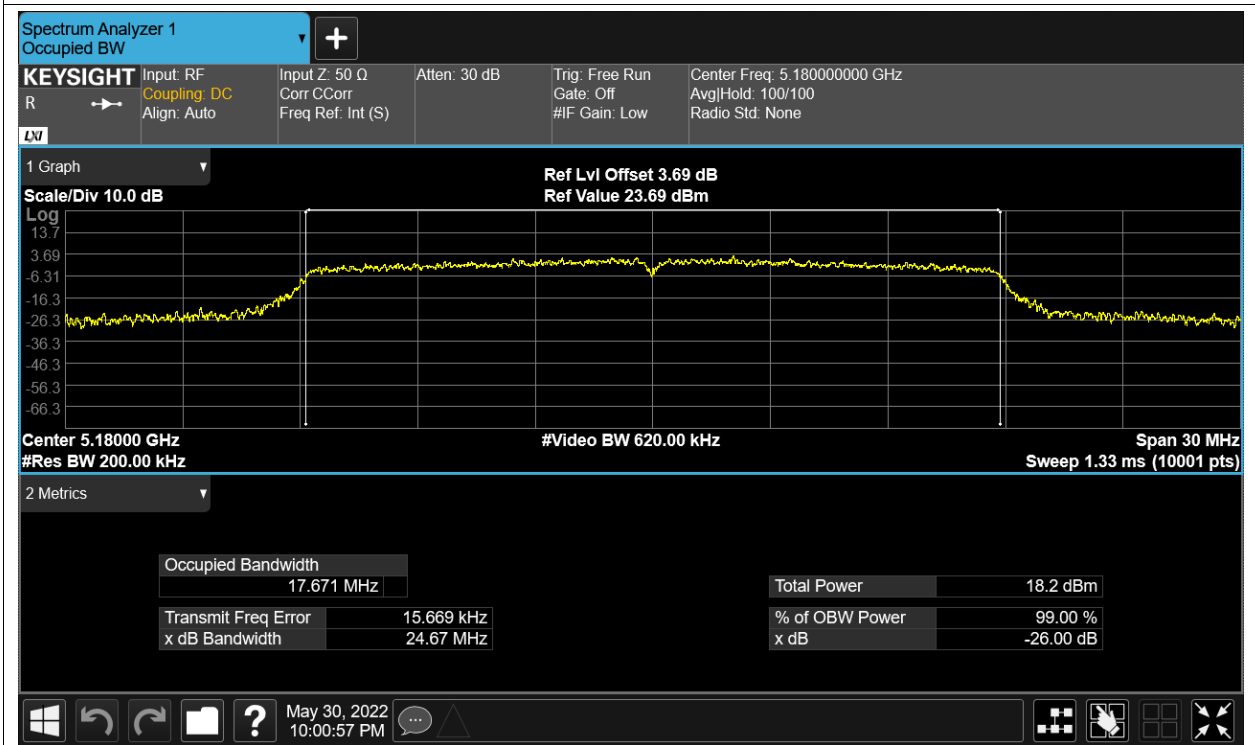
OBW NVNT a 5200MHz Ant1



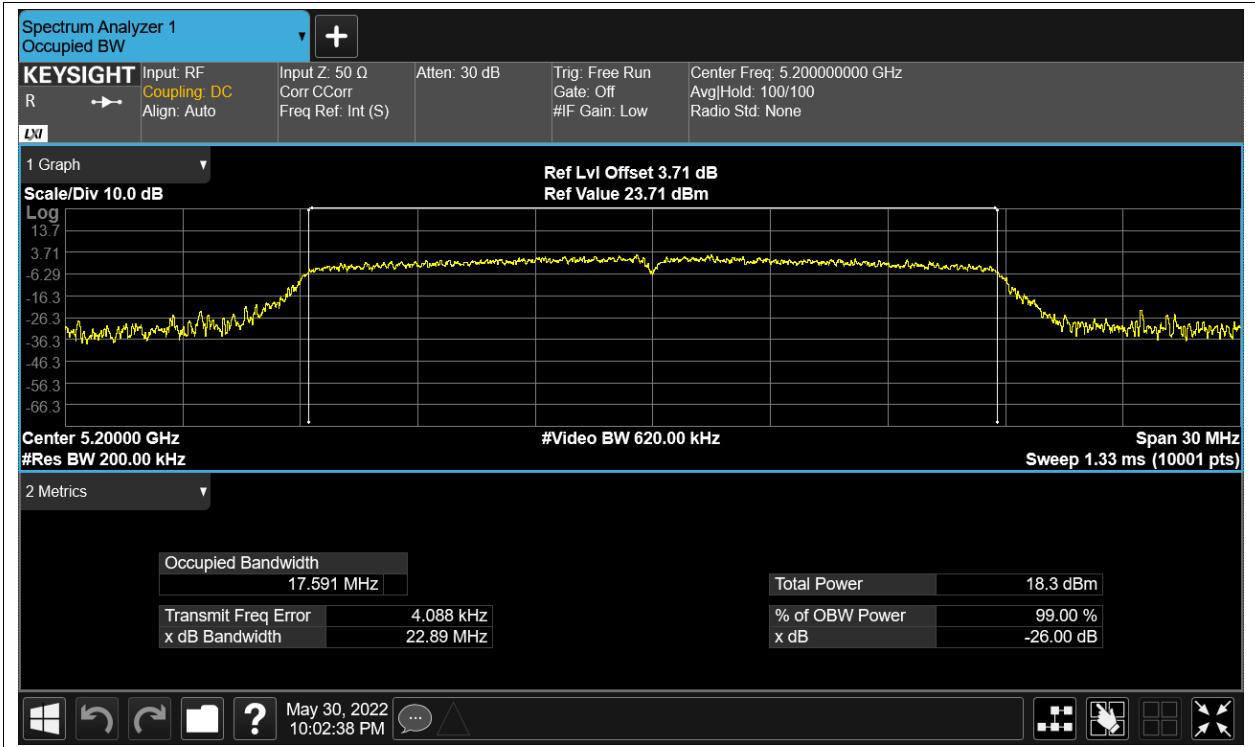
OBW NVNT a 5240MHz Ant1



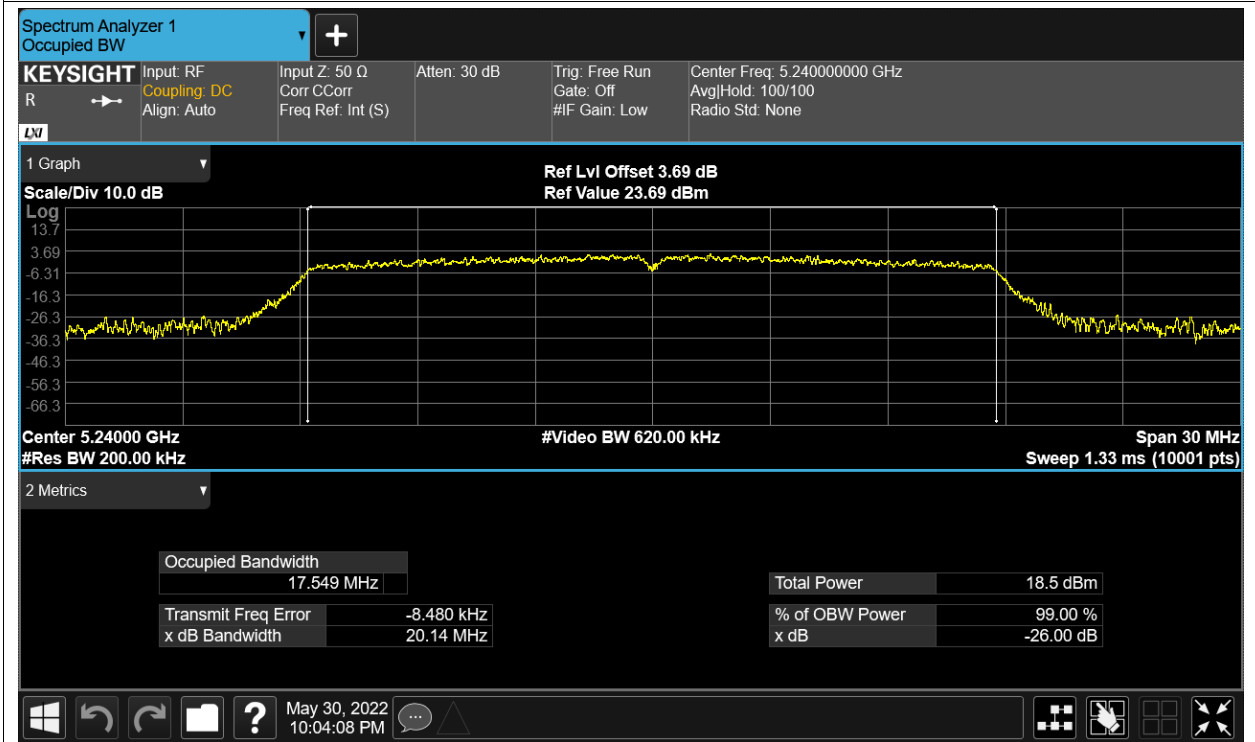
OBW NVNT ac20 5180MHz Ant1



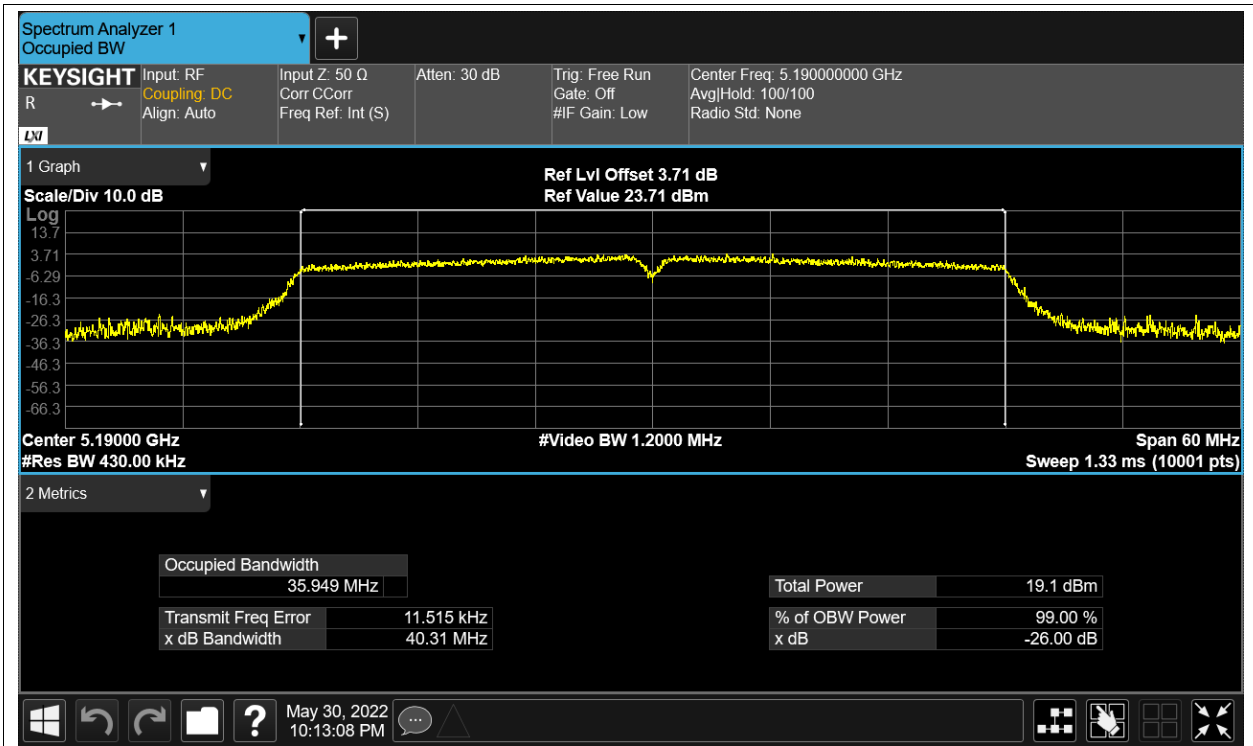
OBW NVNT ac20 5200MHz Ant1



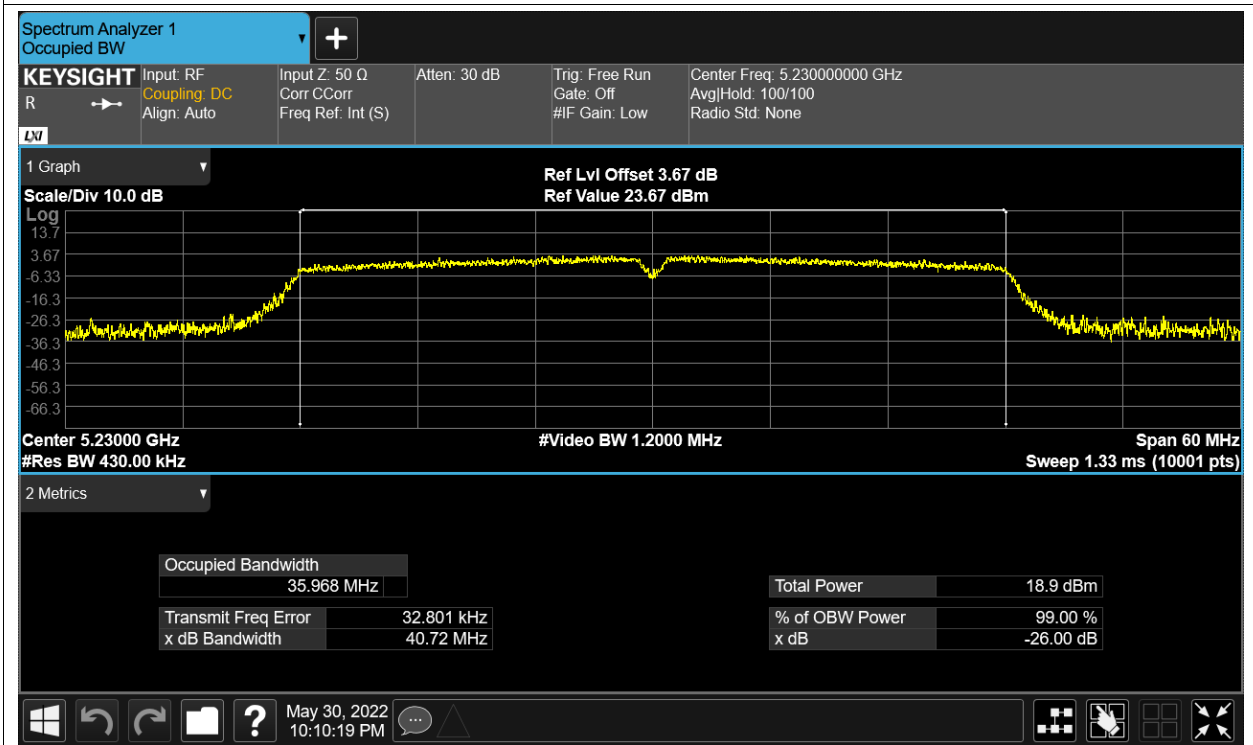
OBW NVNT ac20 5240MHz Ant1



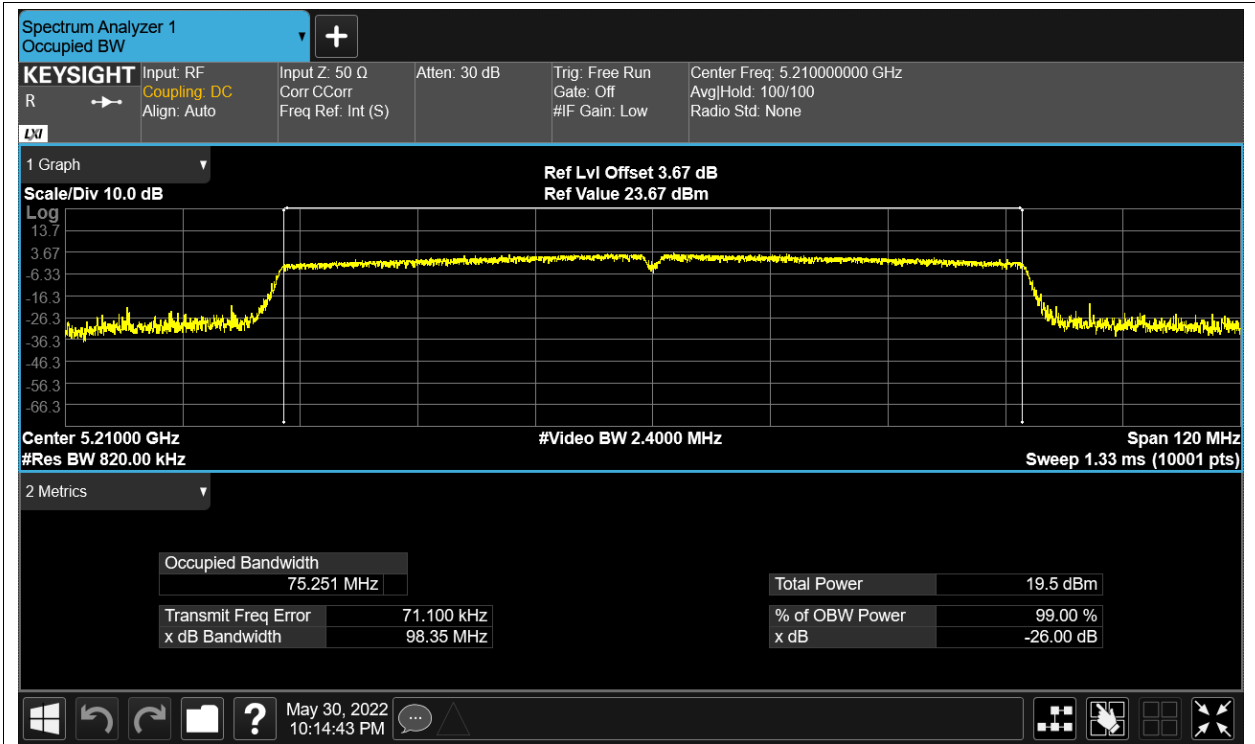
OBW NVNT ac40 5190MHz Ant1



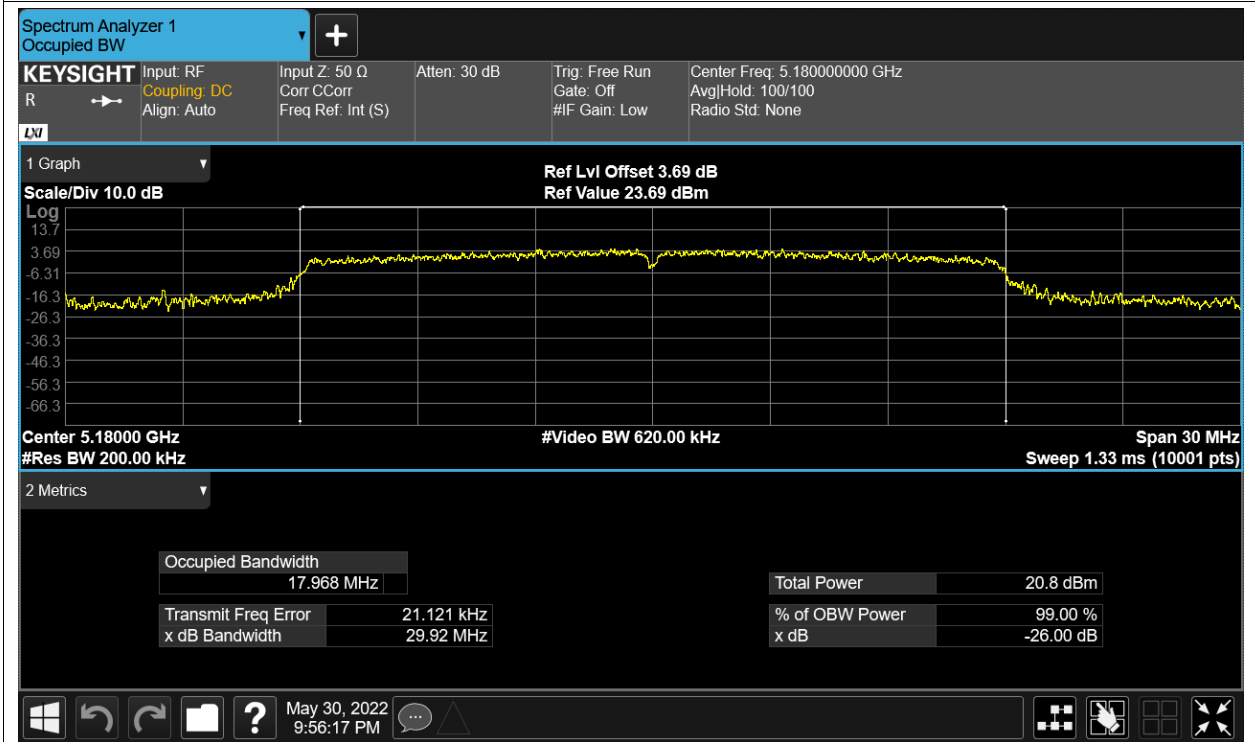
OBW NVNT ac40 5230MHz Ant1



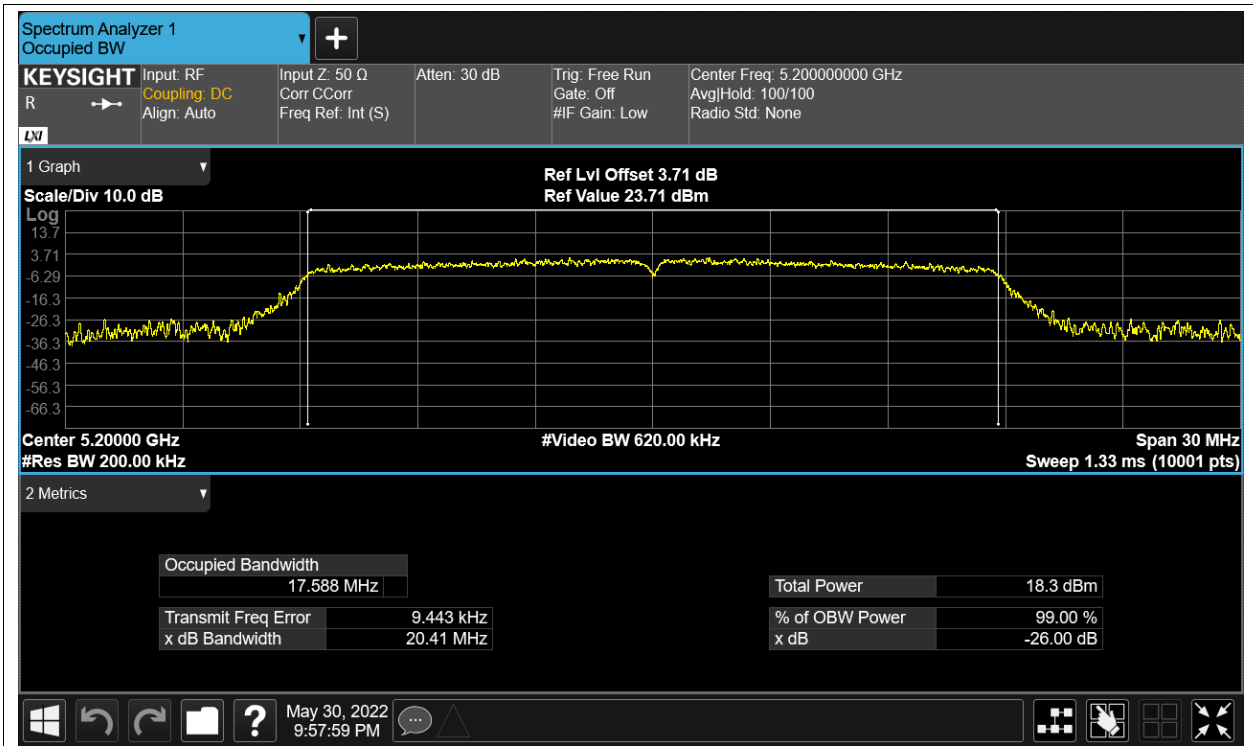
OBW NVNT ac80 5210MHz Ant1



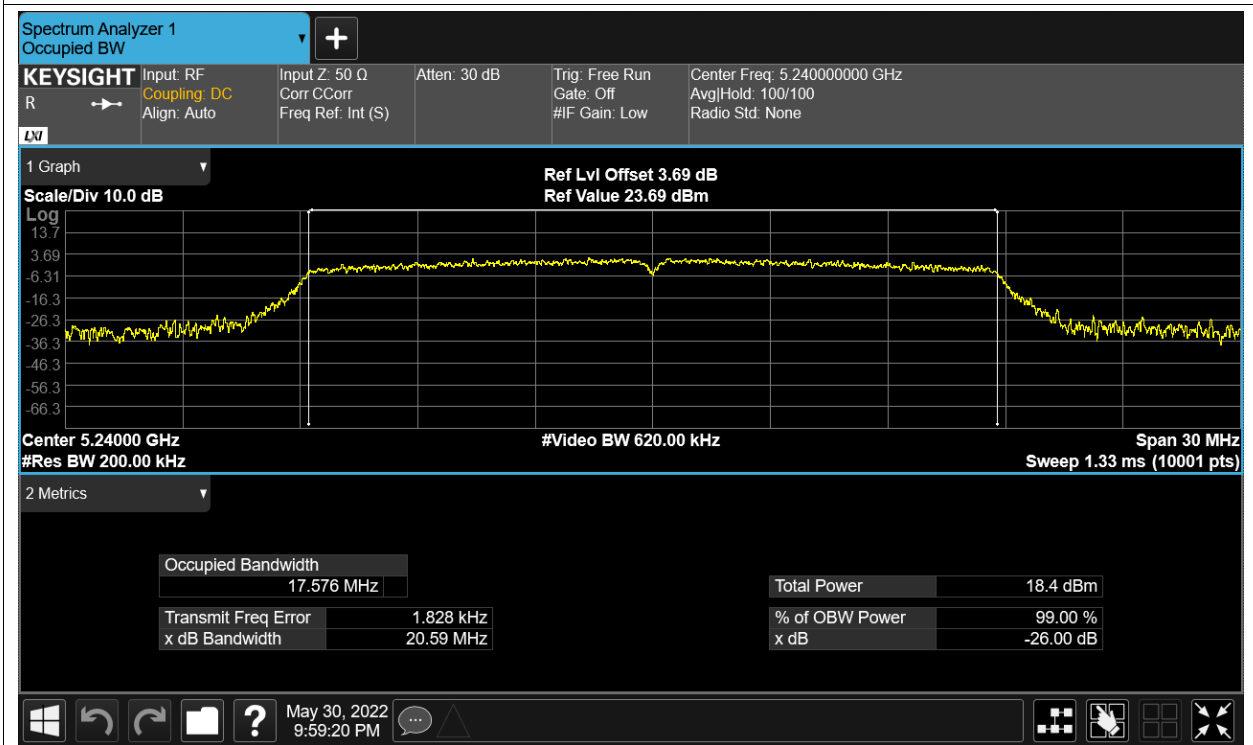
OBW NVNT n20 5180MHz Ant1



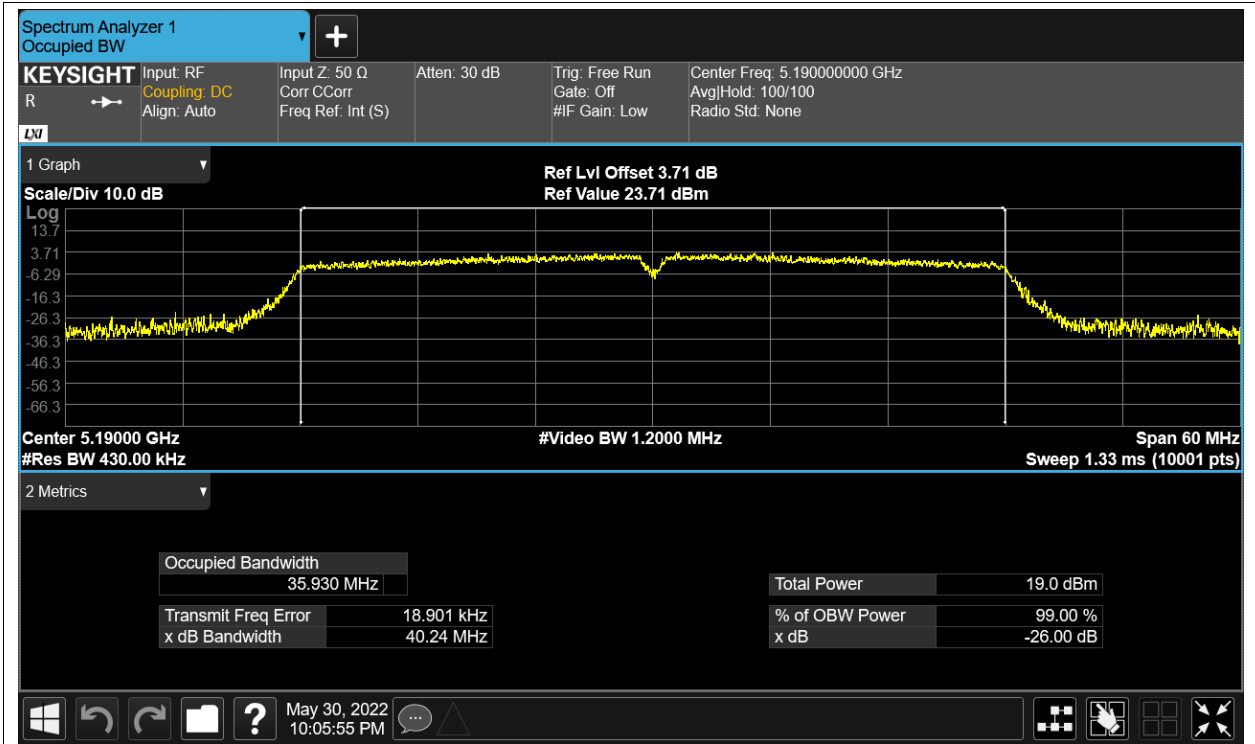
OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

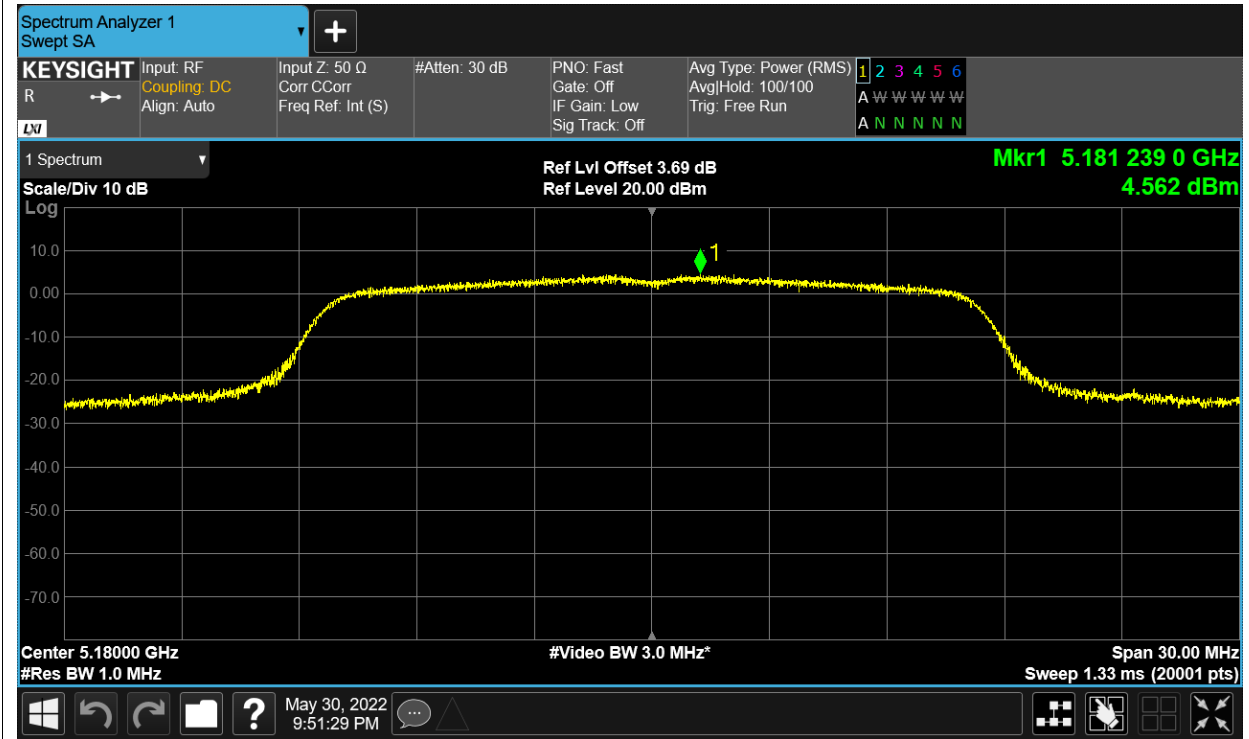


Maximum Power Spectral Density Level

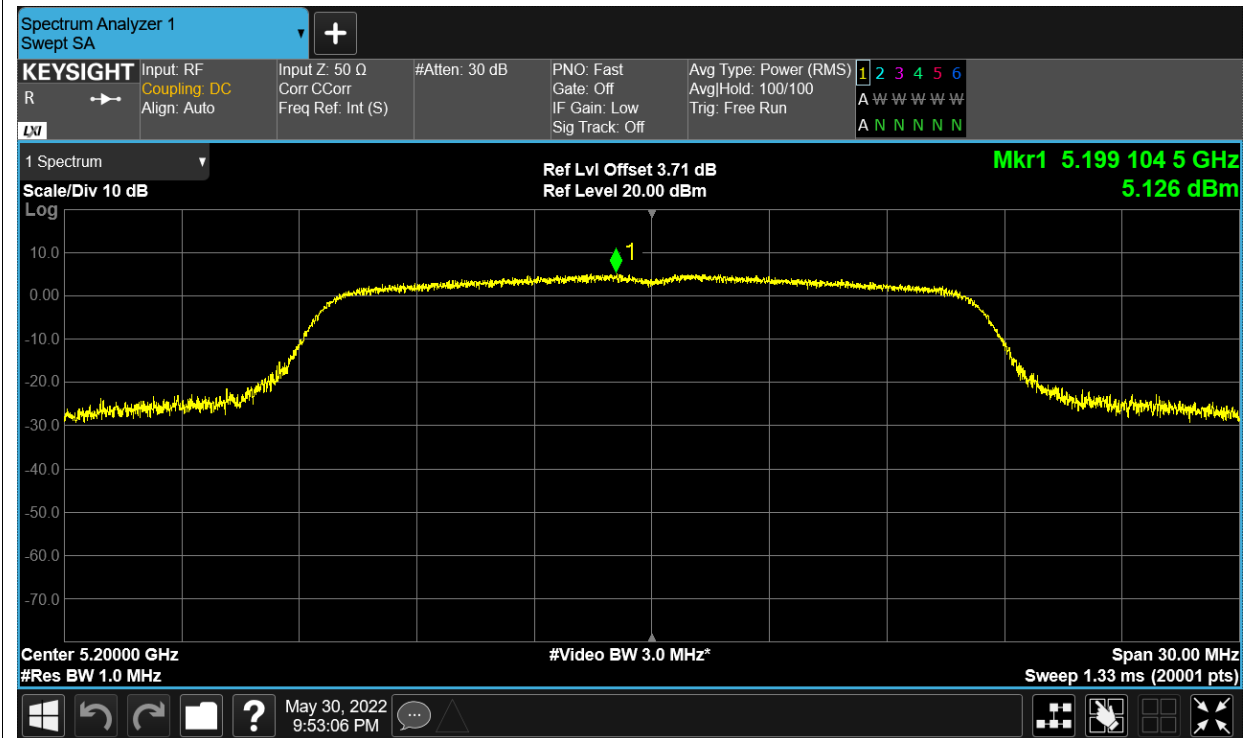
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	4.562	11	Pass
NVNT	a	5200	Ant1	5.126	11	Pass
NVNT	a	5240	Ant1	5.394	11	Pass
NVNT	ac20	5180	Ant1	2.898	11	Pass
NVNT	ac20	5200	Ant1	2.832	11	Pass
NVNT	ac20	5240	Ant1	3.132	11	Pass
NVNT	ac40	5190	Ant1	0.976	11	Pass
NVNT	ac40	5230	Ant1	0.534	11	Pass
NVNT	ac80	5210	Ant1	-2.593	11	Pass
NVNT	n20	5180	Ant1	4.838	11	Pass
NVNT	n20	5200	Ant1	2.893	11	Pass
NVNT	n20	5240	Ant1	3.16	11	Pass
NVNT	n40	5190	Ant1	0.926	11	Pass
NVNT	n40	5230	Ant1	0.668	11	Pass

Test Graphs

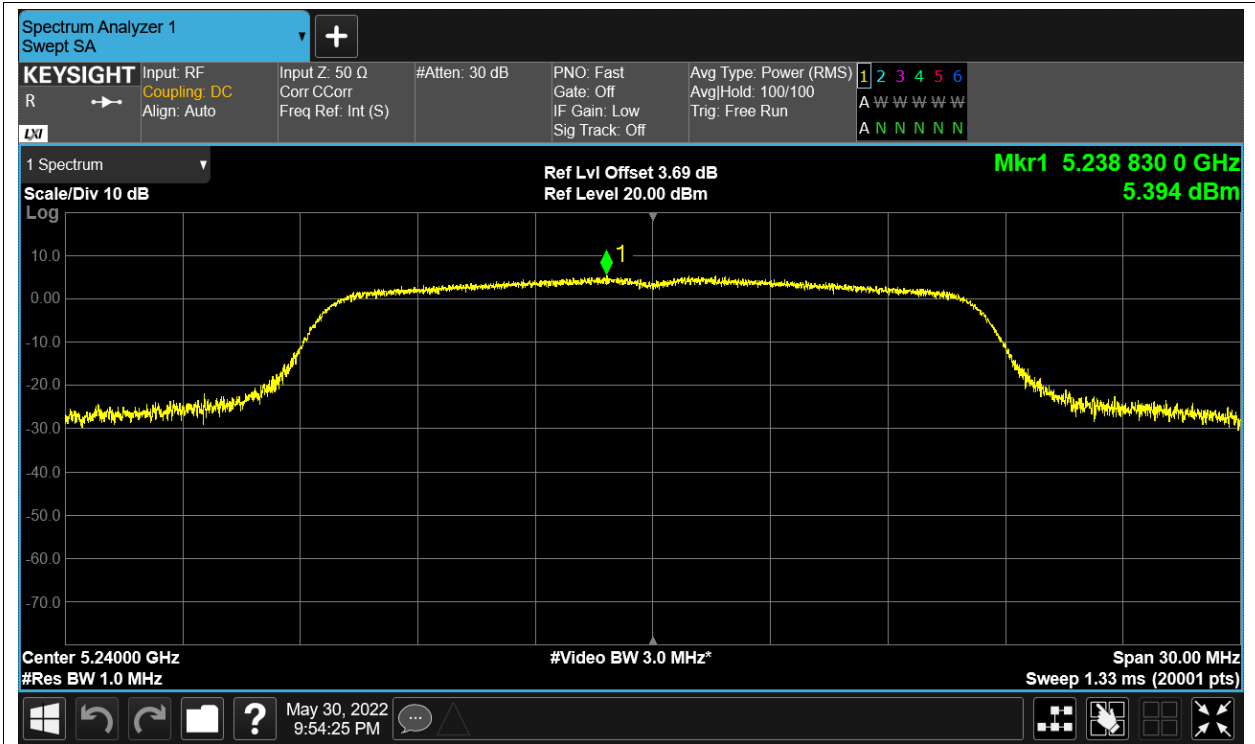
PSD NVNT a 5180MHz Ant1



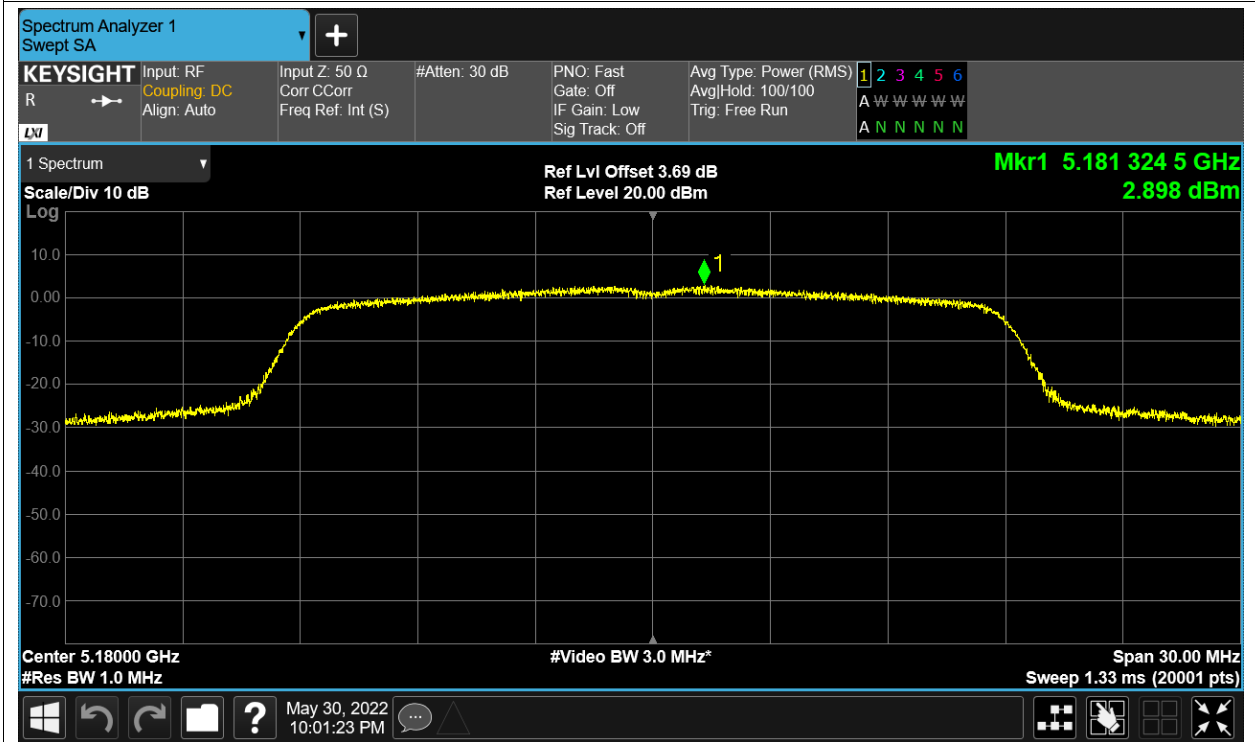
PSD NVNT a 5200MHz Ant1



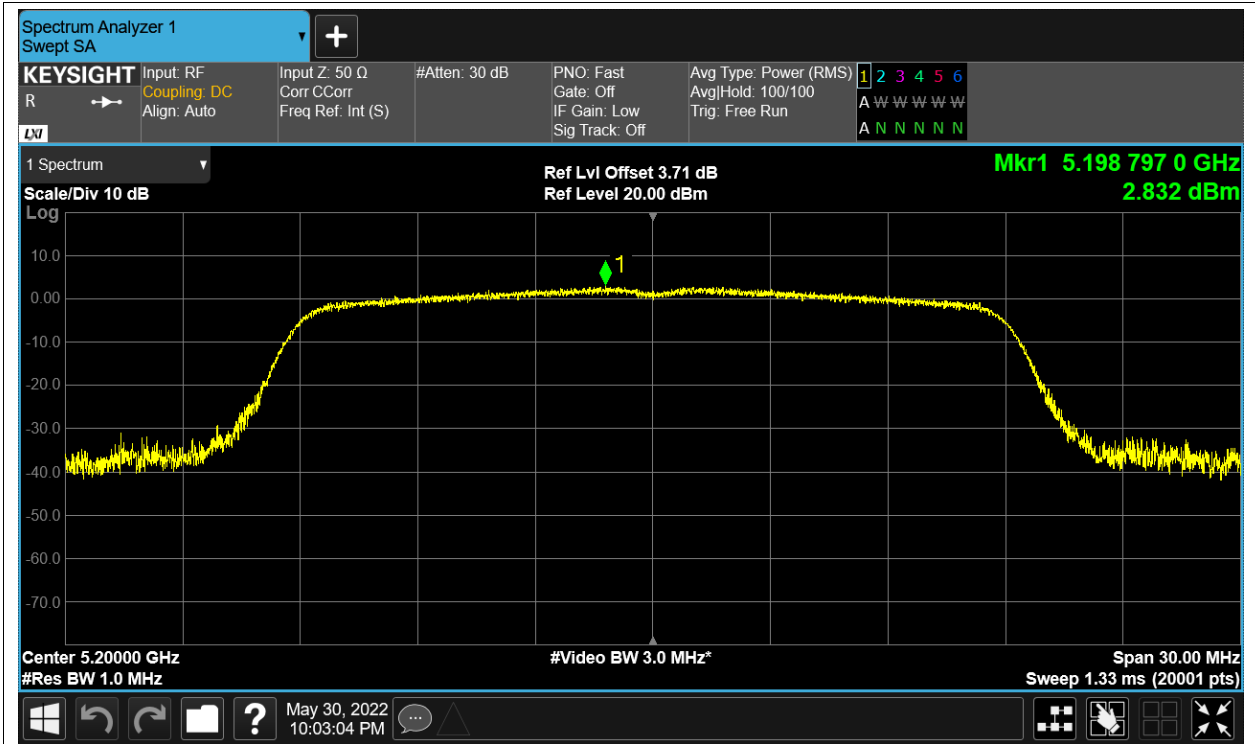
PSD NVNT a 5240MHz Ant1



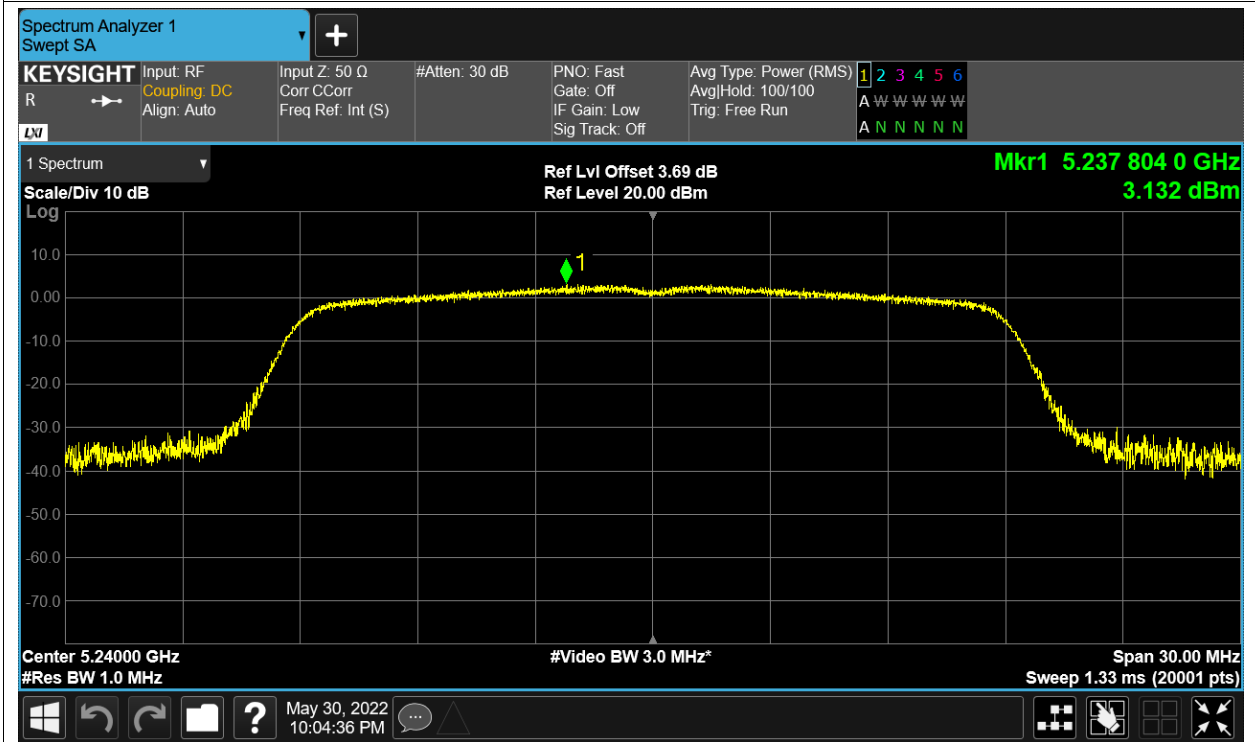
PSD NVNT ac20 5180MHz Ant1



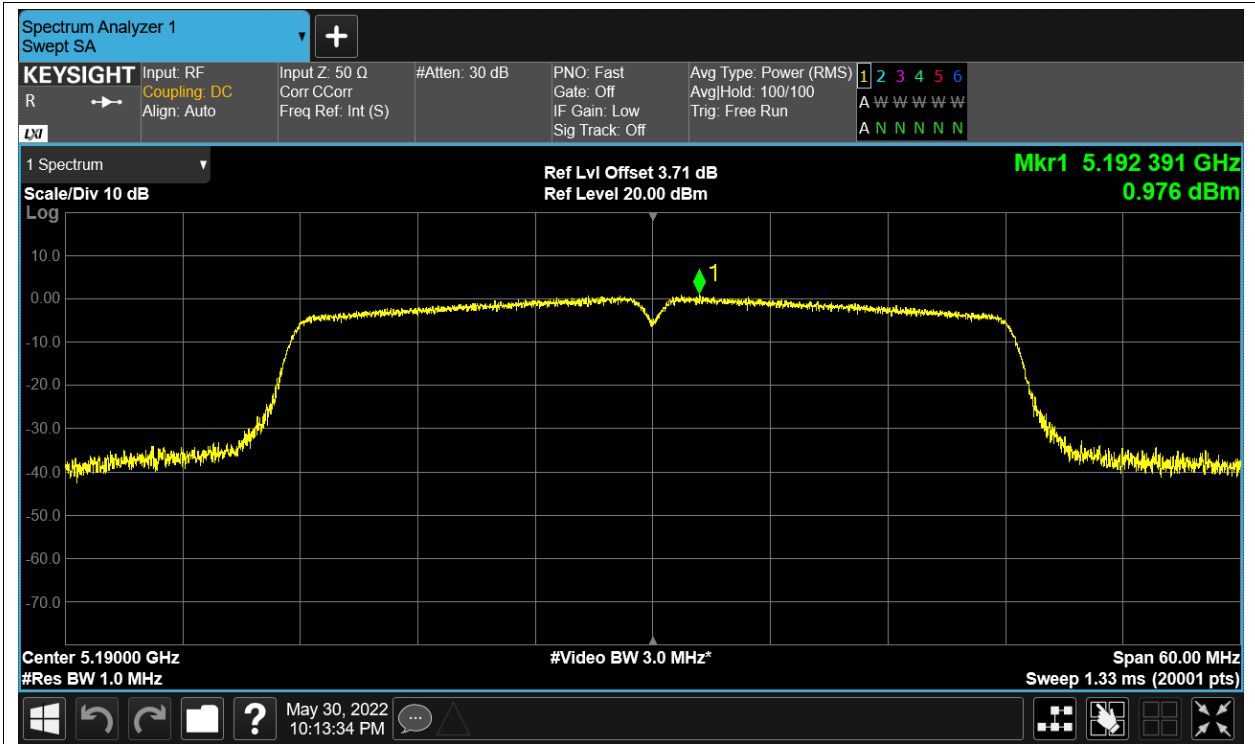
PSD NVNT ac20 5200MHz Ant1



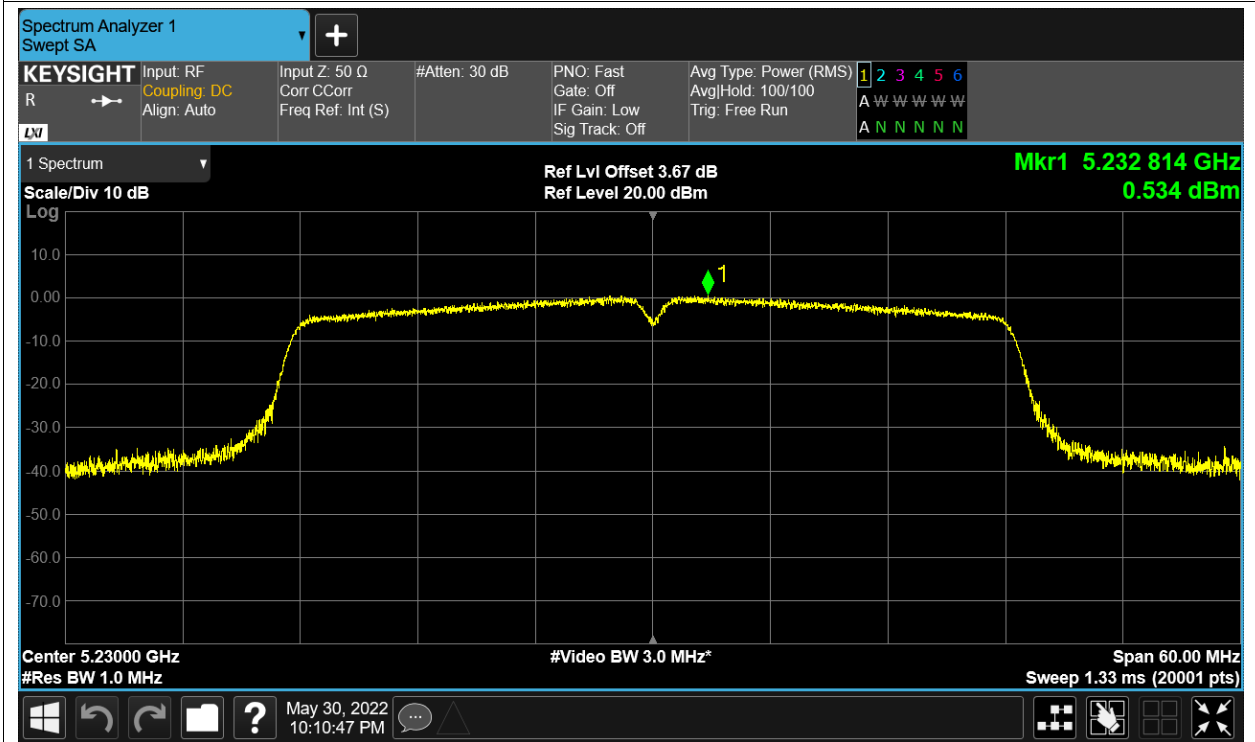
PSD NVNT ac20 5240MHz Ant1



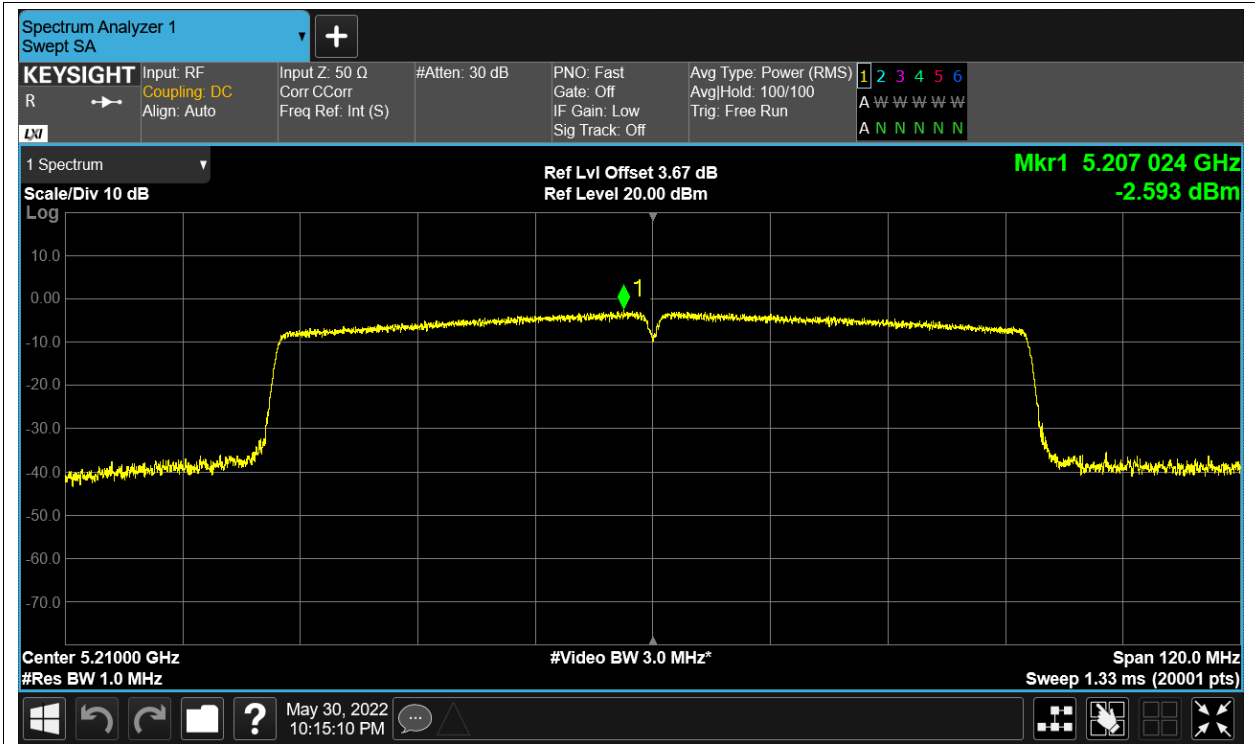
PSD NVNT ac40 5190MHz Ant1



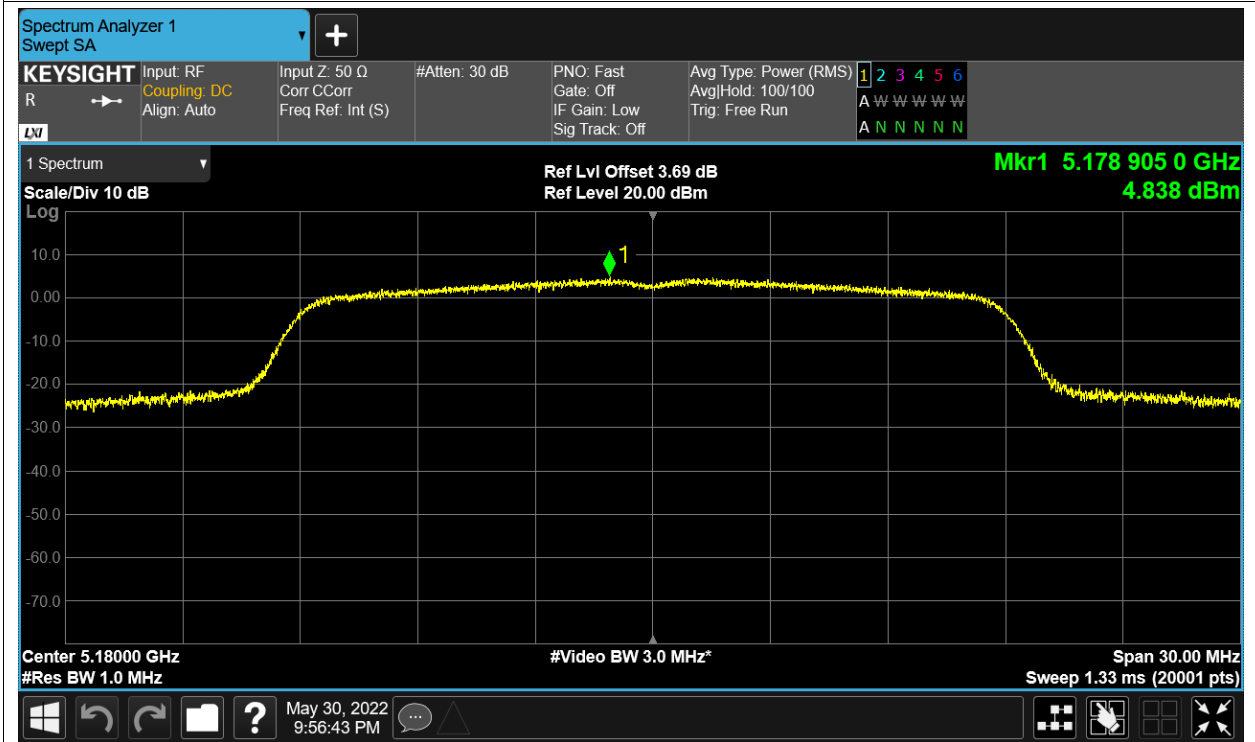
PSD NVNT ac40 5230MHz Ant1



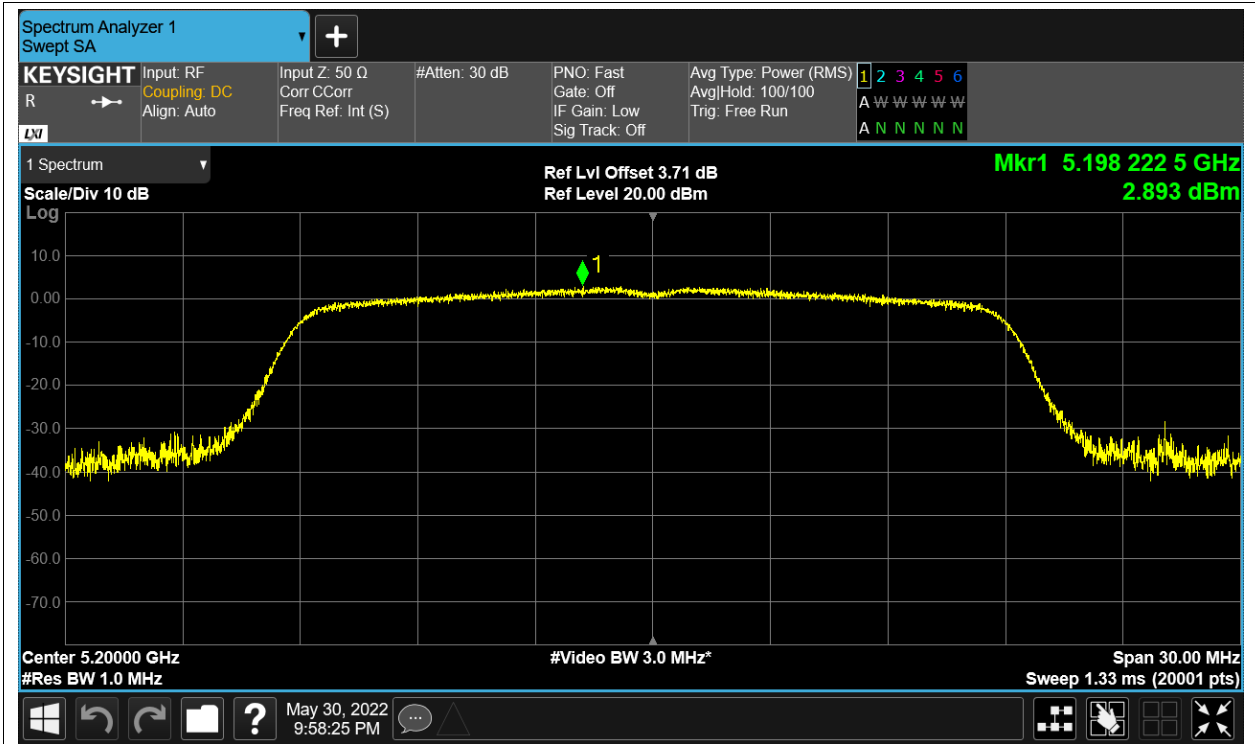
PSD NVNT ac80 5210MHz Ant1



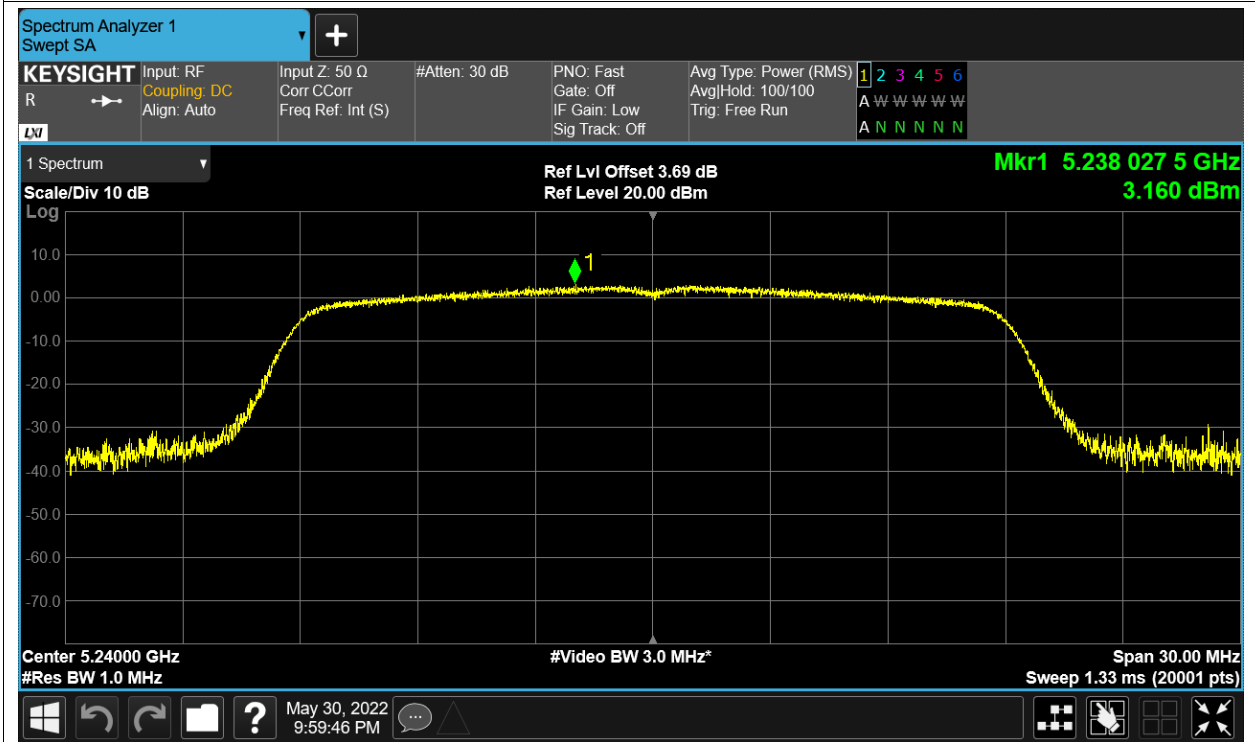
PSD NVNT n20 5180MHz Ant1



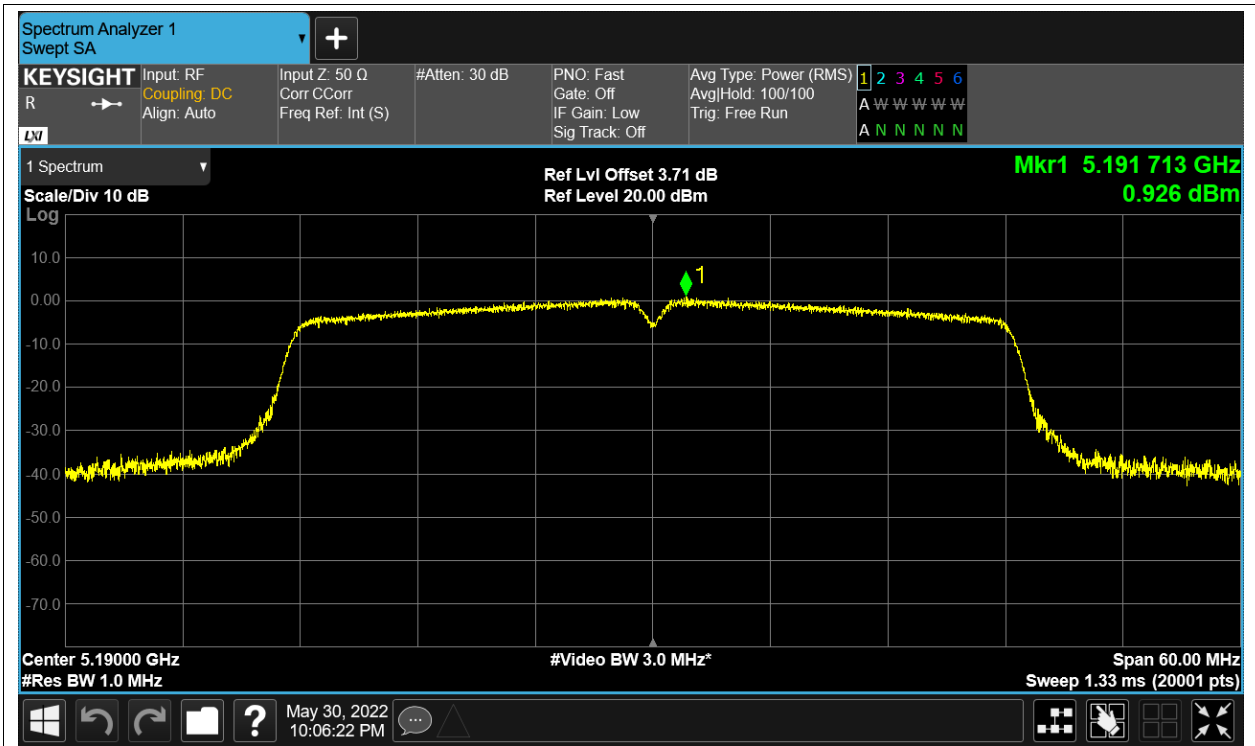
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

