

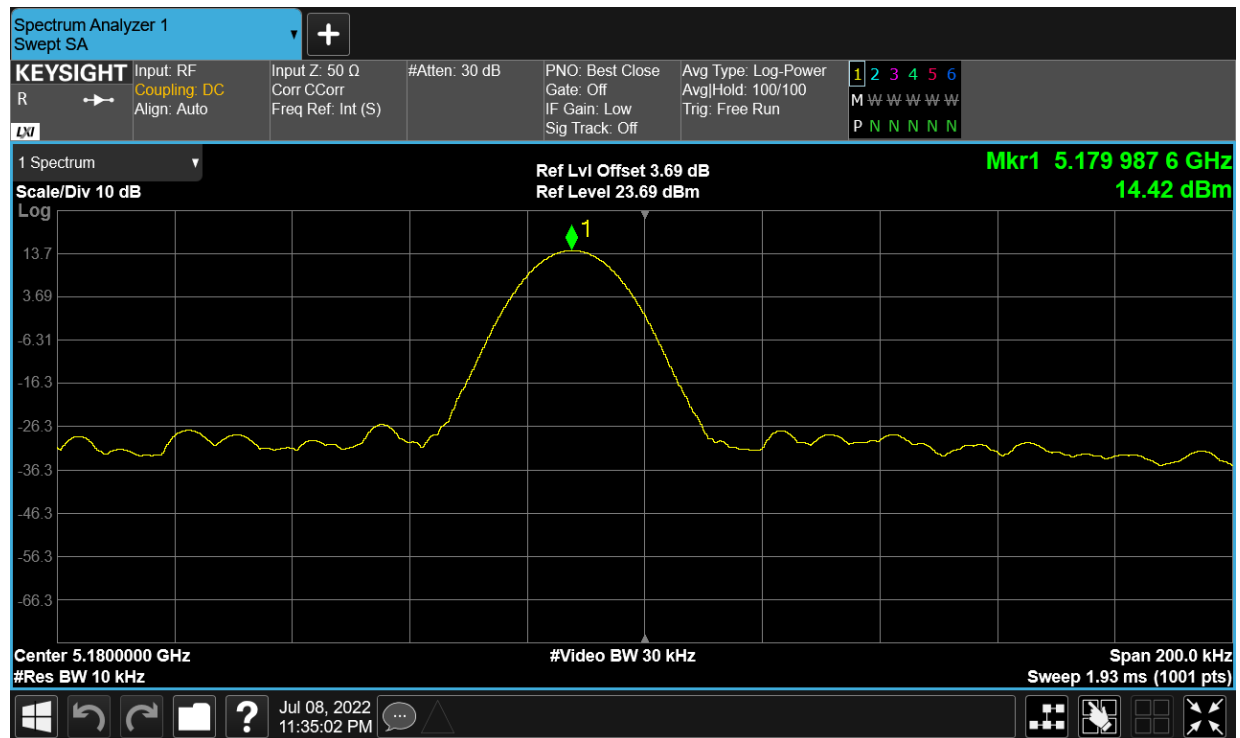
Test Data

Frequency Stability

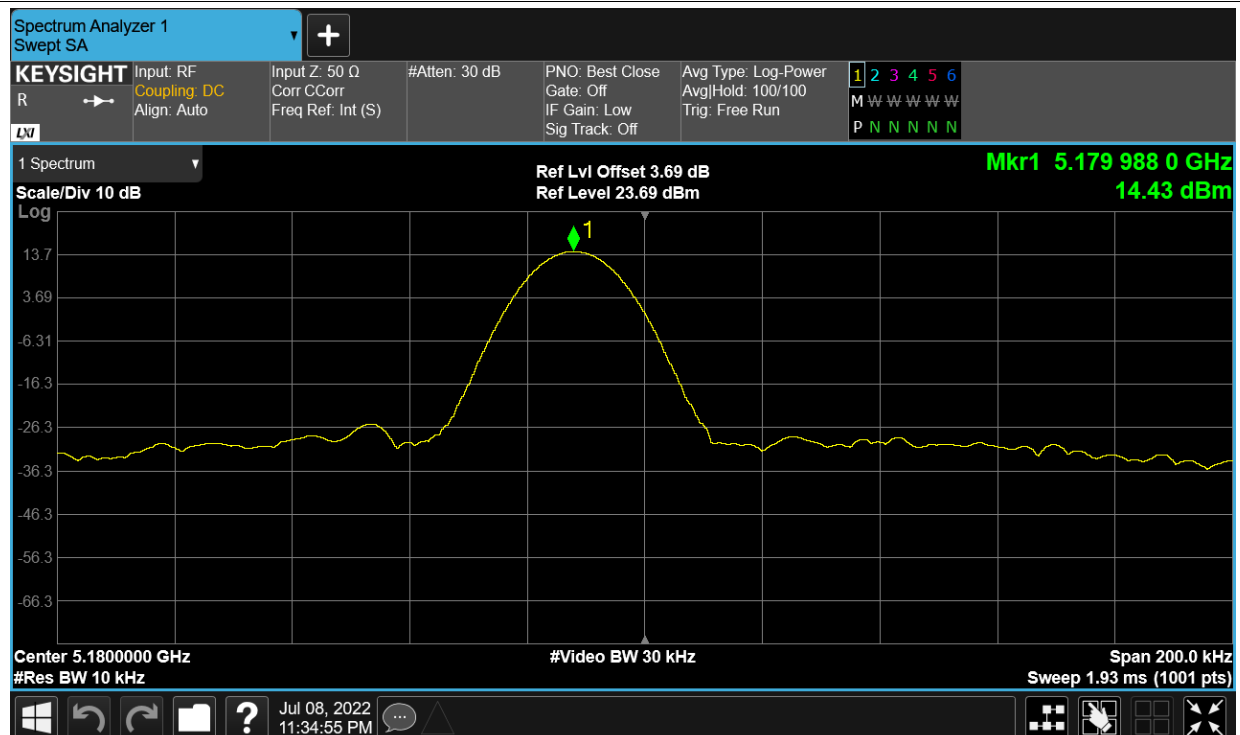
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9876	-2.39	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.988	-2.32		Pass
NVHT	a	5180	Ant1	5179.9882	-2.28		Pass
NVLT	a	5180	Ant1	5179.9888	-2.16		Pass
NVNT	a	5180	Ant1	5179.9894	-2.05		Pass
HVNT	ac80	5210	Ant1	5209.9894	-2.03		Pass
LVNT	ac80	5210	Ant1	5209.9898	-1.96		Pass
NVHT	ac80	5210	Ant1	5209.9904	-1.84		Pass
NVLT	ac80	5210	Ant1	5209.991	-1.73		Pass
NVNT	ac80	5210	Ant1	5209.9924	-1.46		Pass
HVNT	n40	5190	Ant1	5189.9876	-2.39		Pass
LVNT	n40	5190	Ant1	5189.9878	-2.35		Pass
NVHT	n40	5190	Ant1	5189.988	-2.31		Pass
NVLT	n40	5190	Ant1	5189.9884	-2.24		Pass
NVNT	n40	5190	Ant1	5189.989	-2.12		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

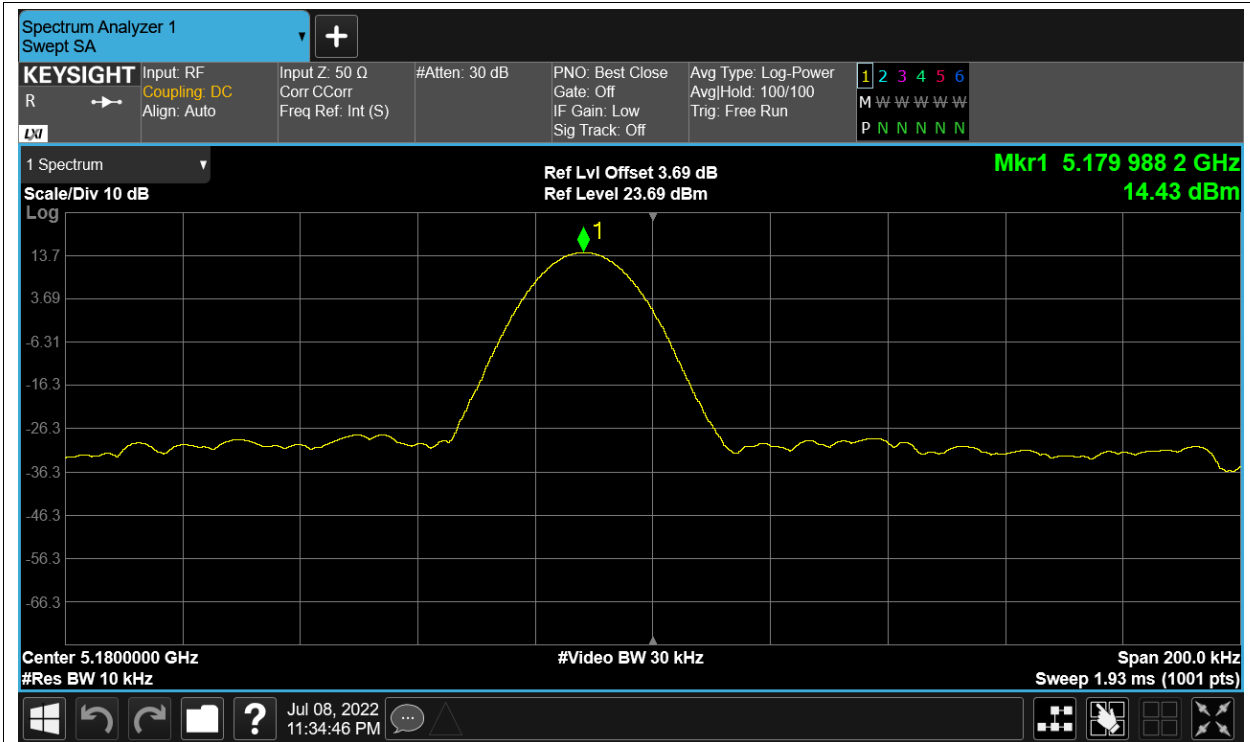
Freq. Stability HVNT a 5180MHz Ant1



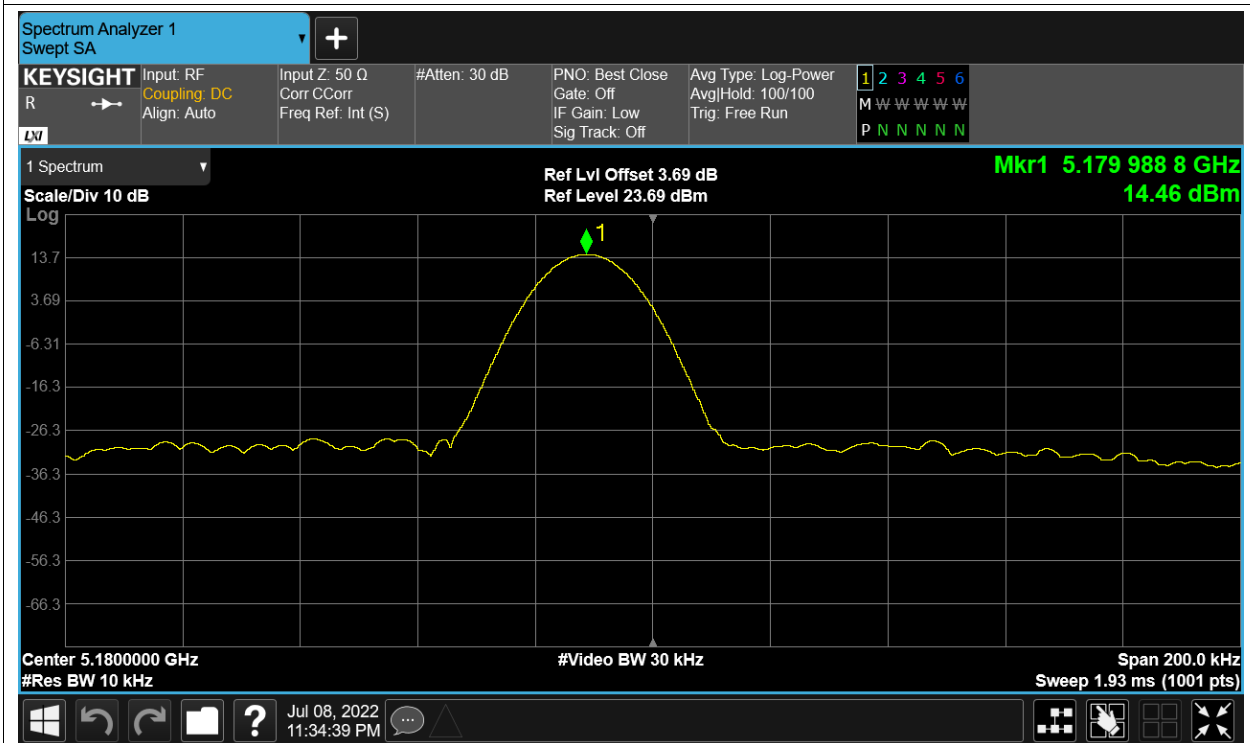
Freq. Stability LVNT a 5180MHz Ant1



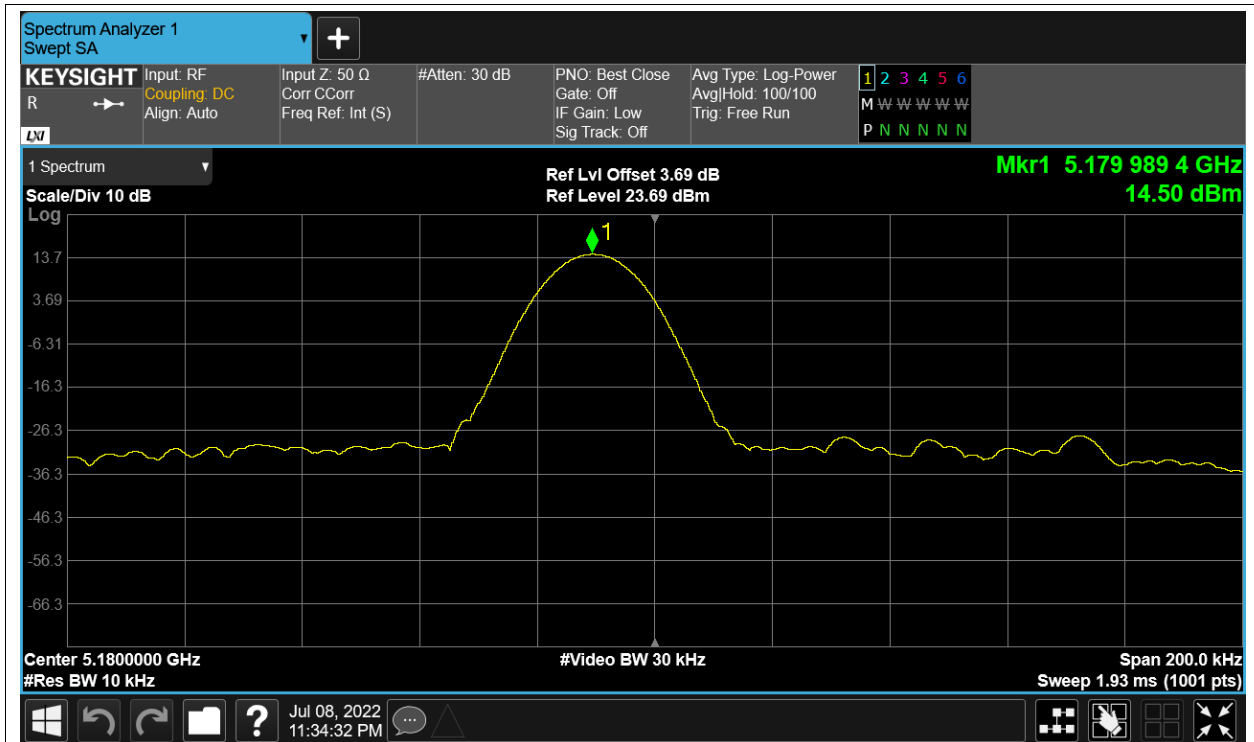
Freq. Stability NVHT a 5180MHz Ant1



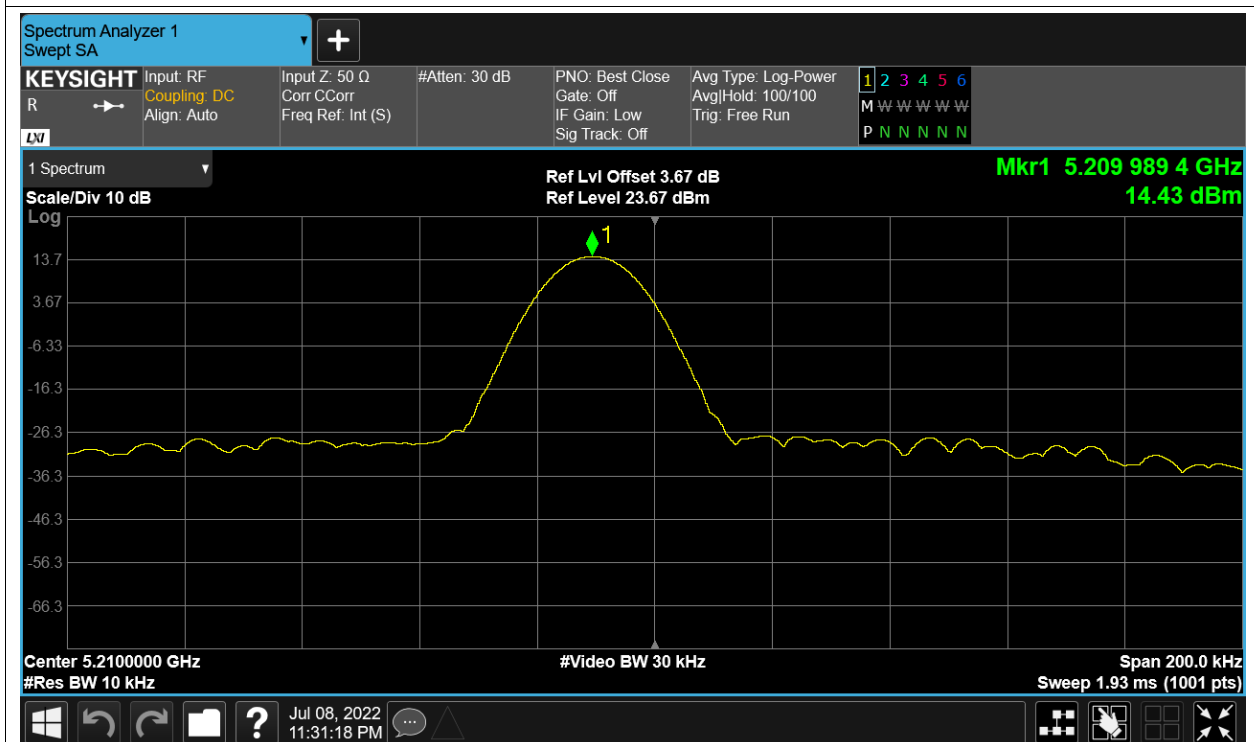
Freq. Stability NVLT a 5180MHz Ant1



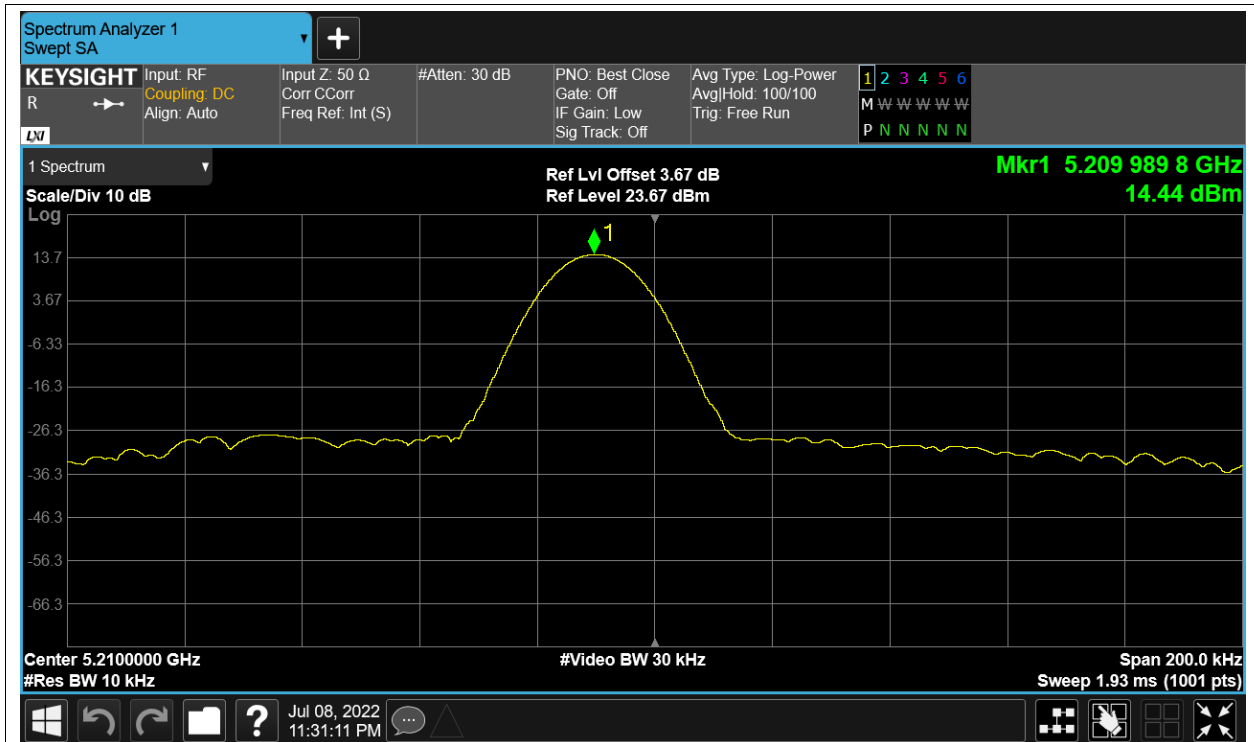
Freq. Stability NVNT a 5180MHz Ant1



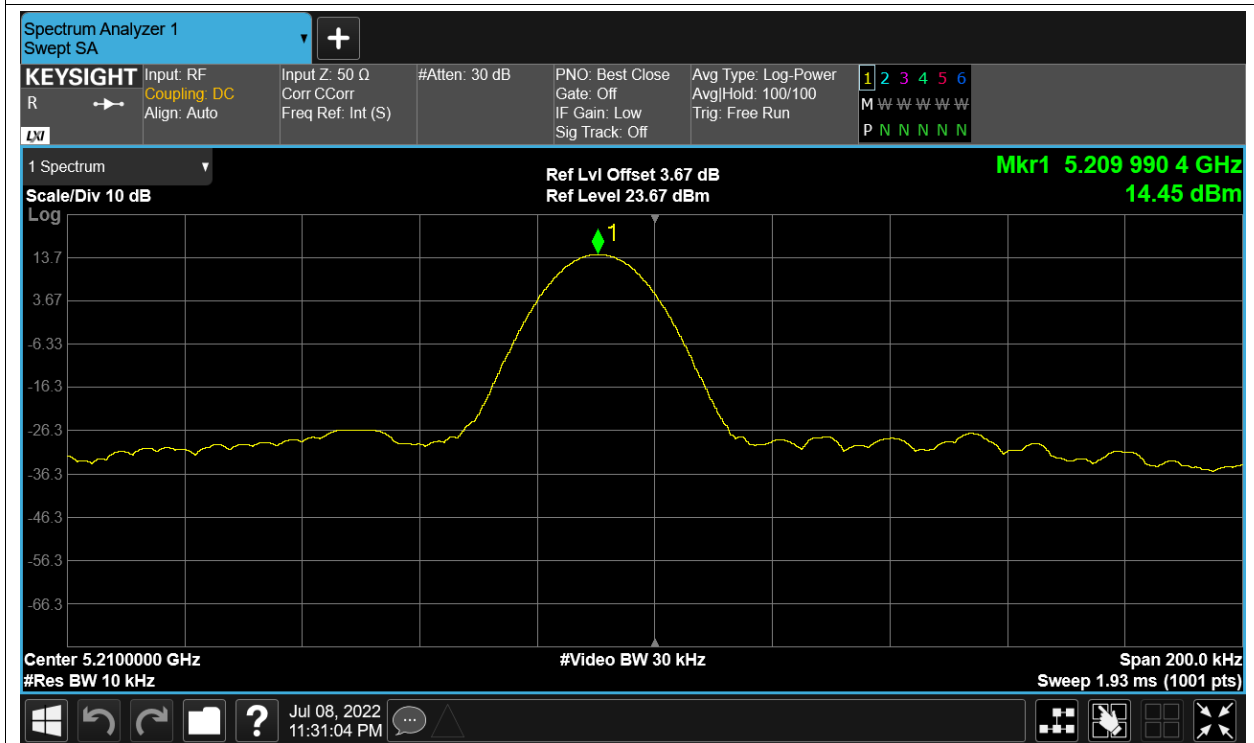
Freq. Stability HVNT ac80 5210MHz Ant1



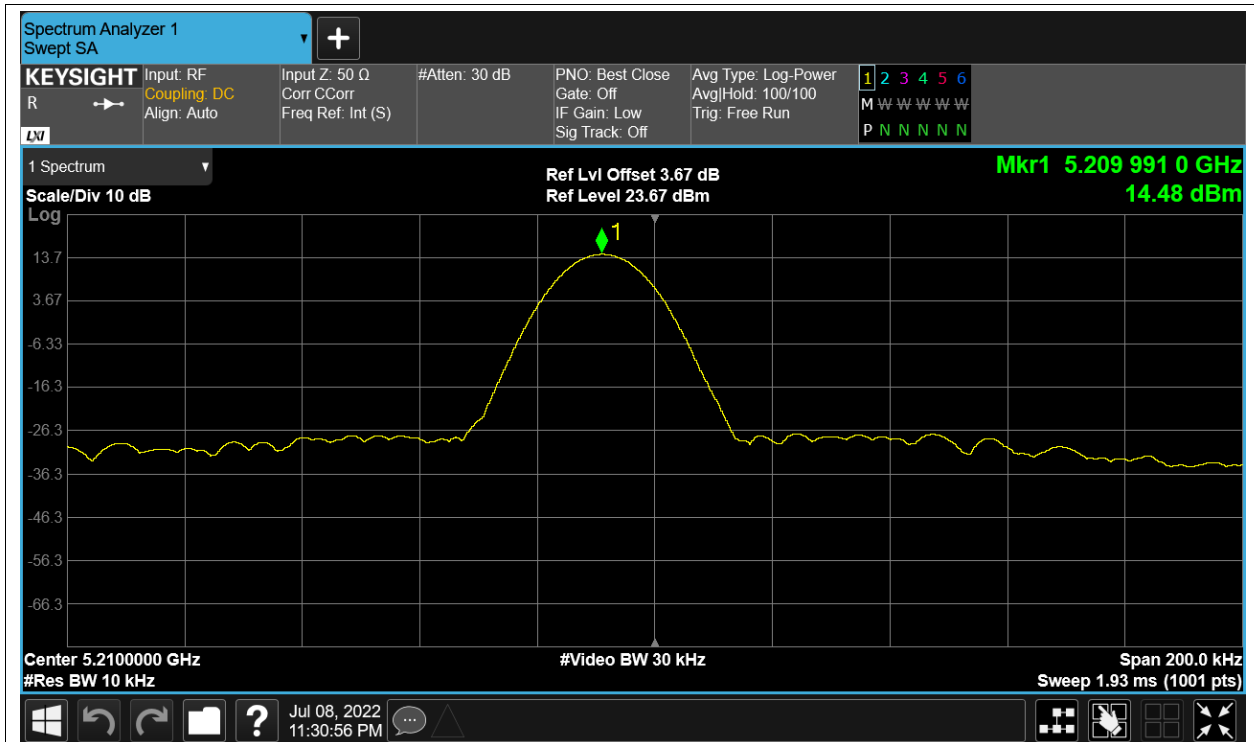
Freq. Stability LVNT ac80 5210MHz Ant1



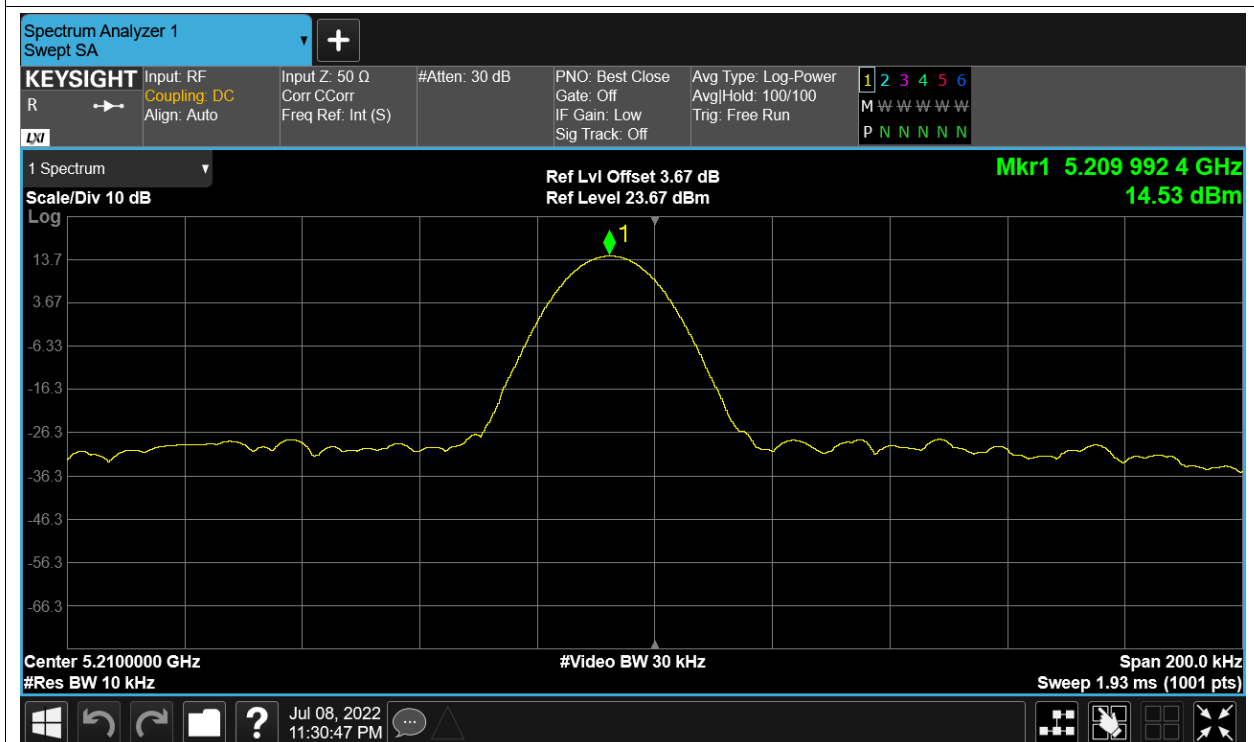
Freq. Stability NVHT ac80 5210MHz Ant1



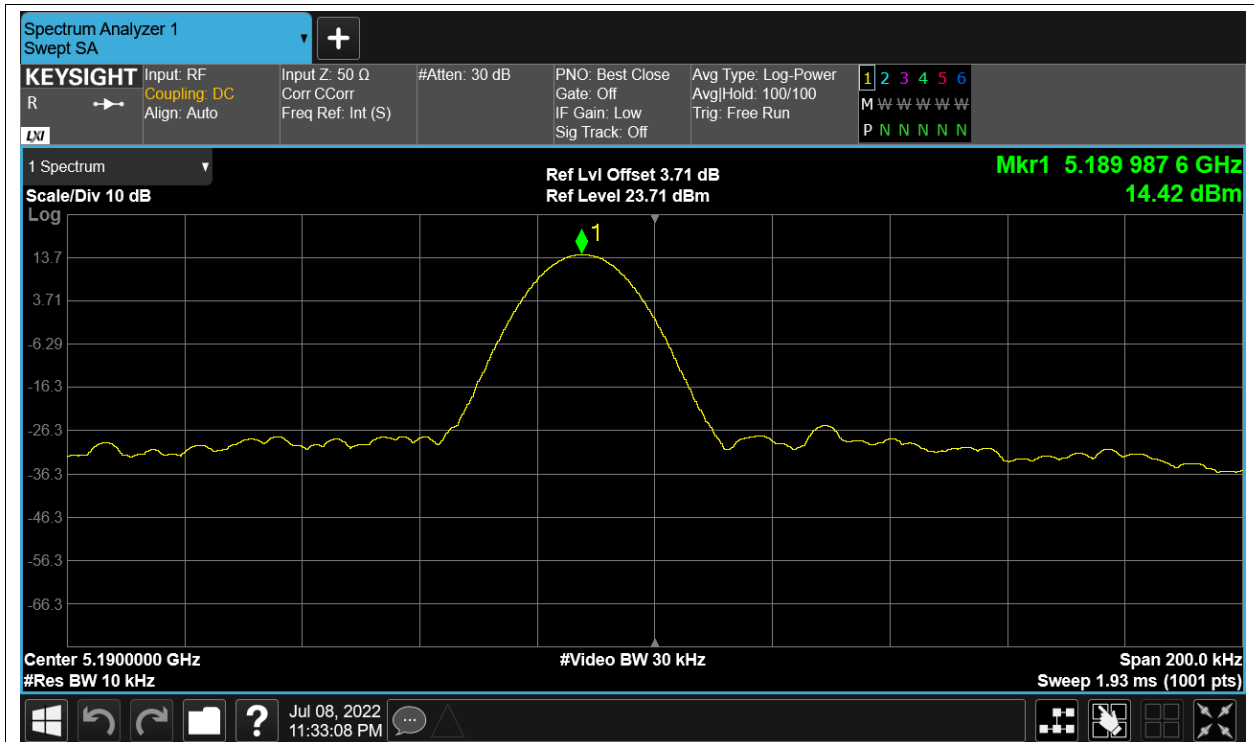
Freq. Stability NVLT ac80 5210MHz Ant1



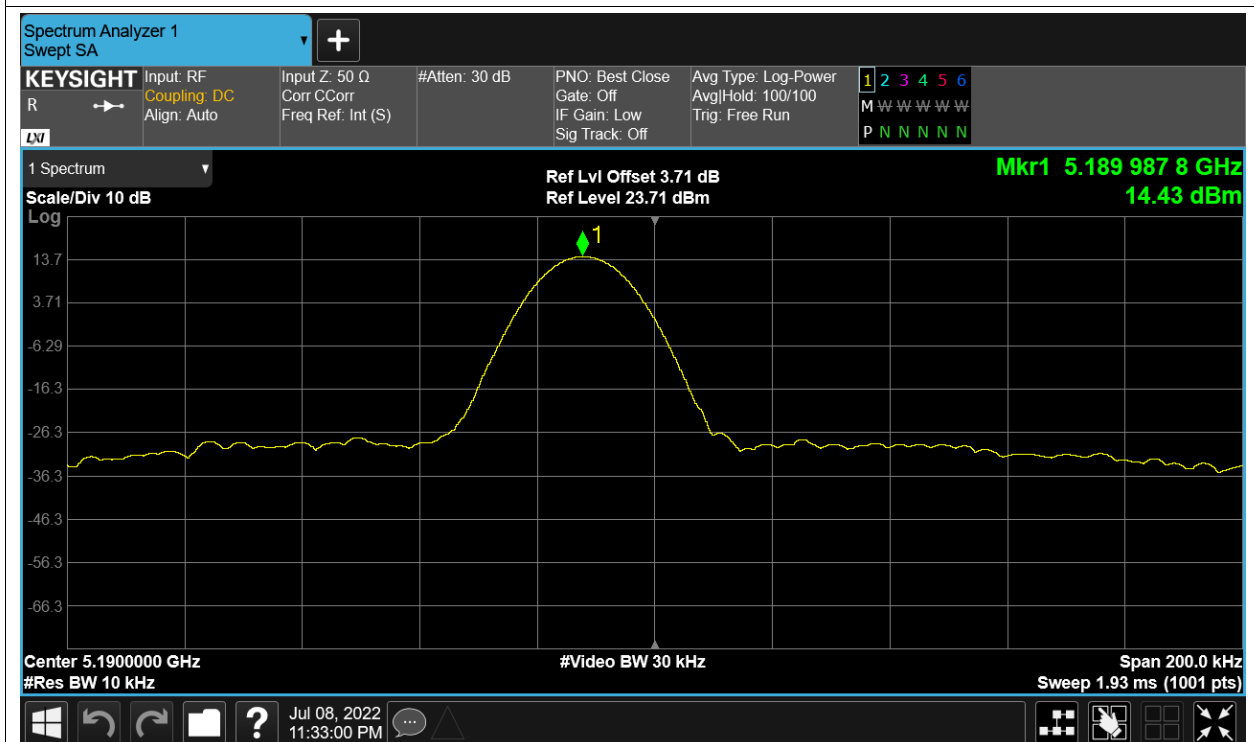
Freq. Stability NVNT ac80 5210MHz Ant1



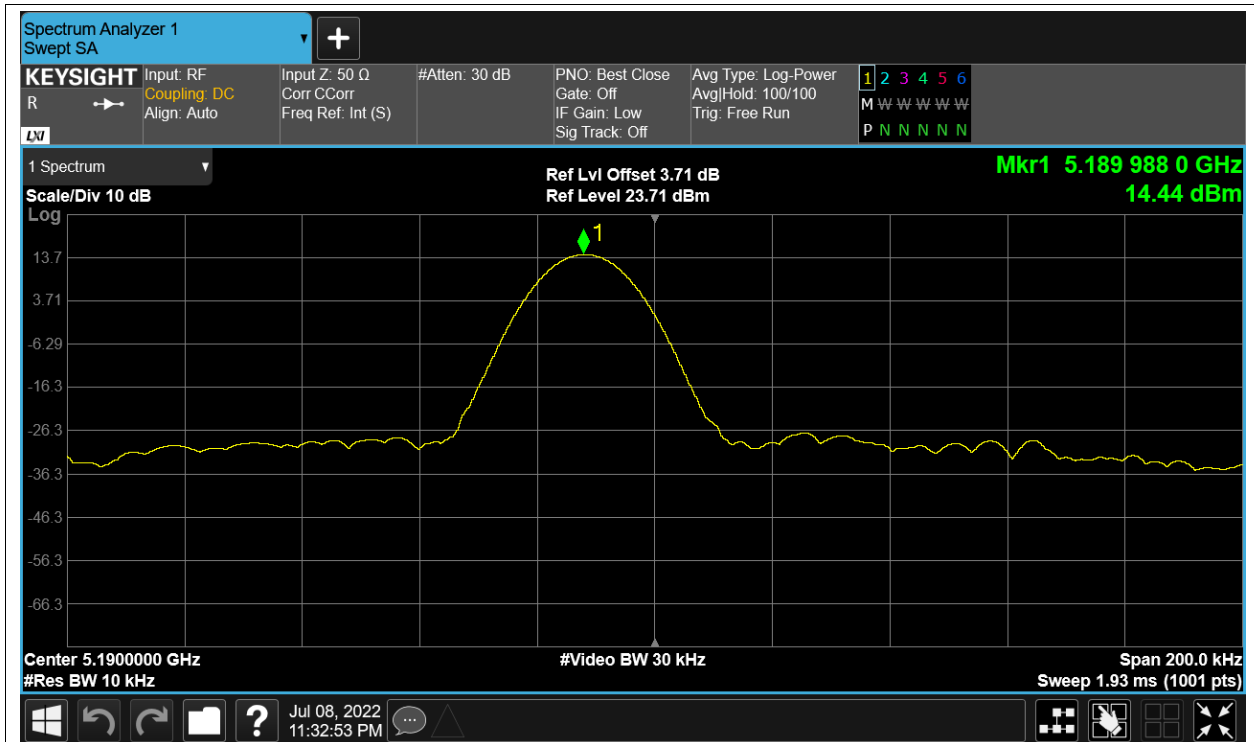
Freq. Stability HVNT n40 5190MHz Ant1



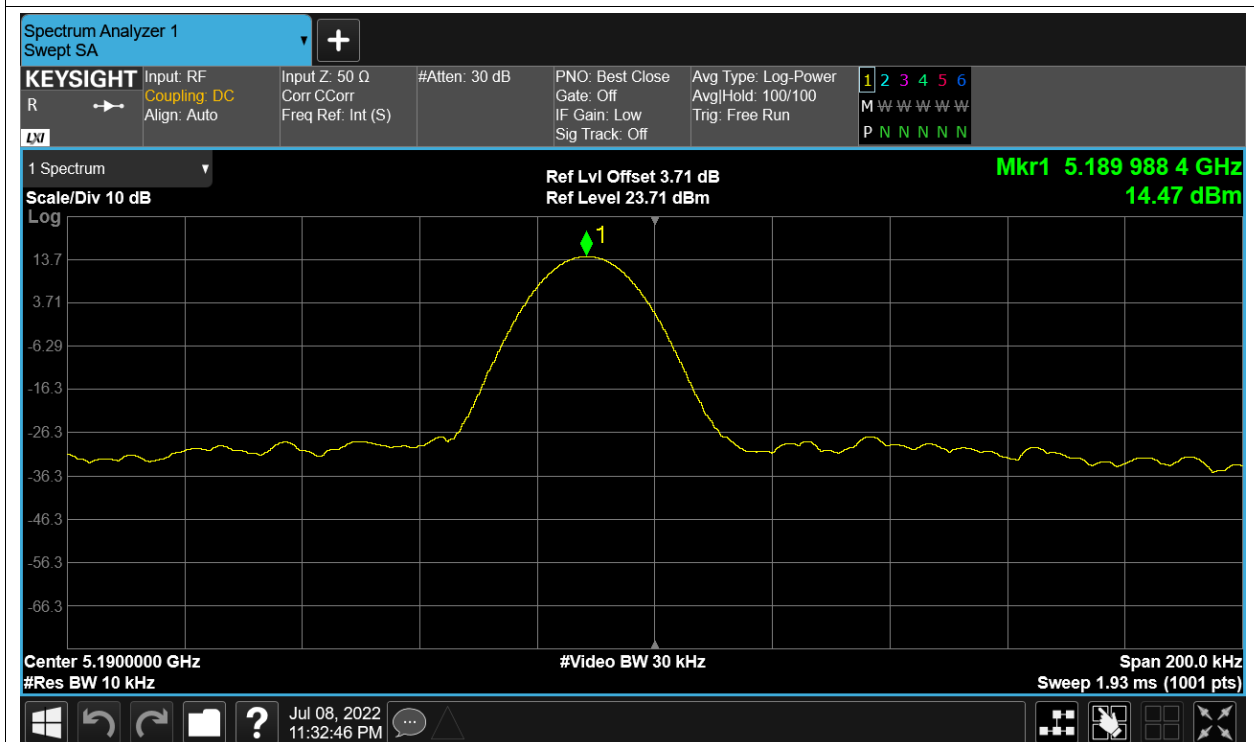
Freq. Stability LVNT n40 5190MHz Ant1



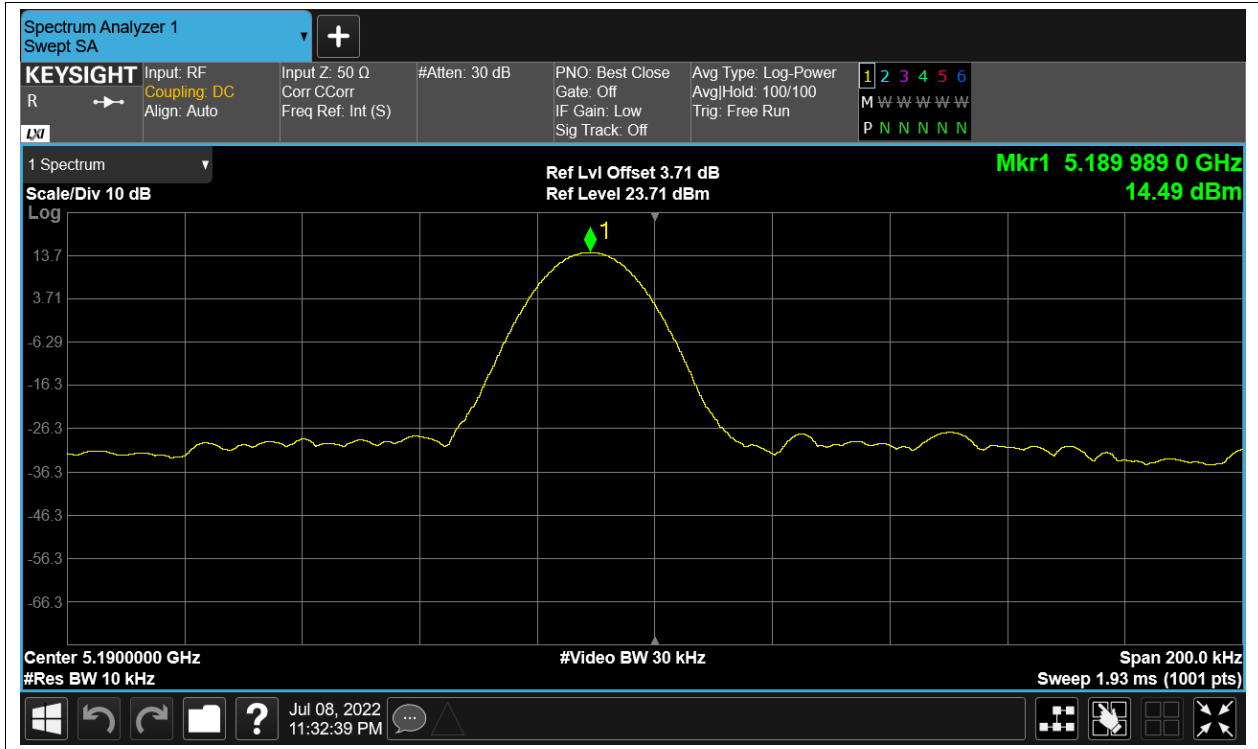
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

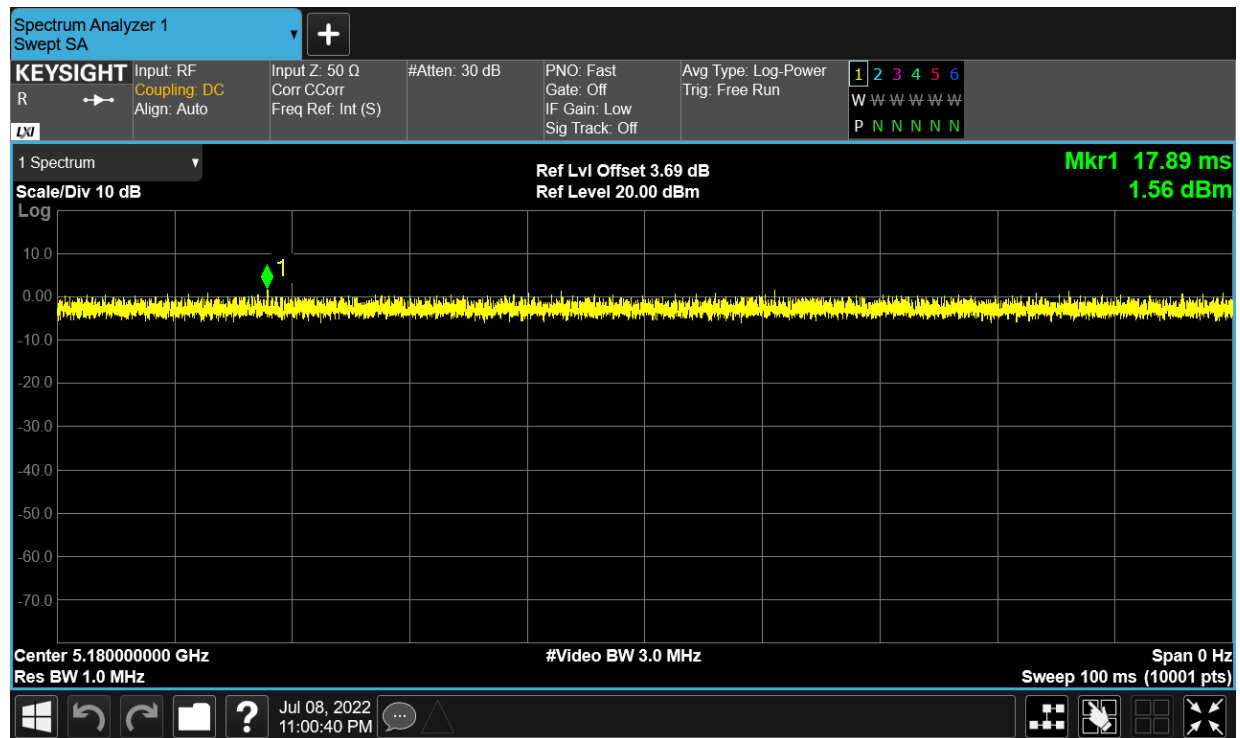


Duty Cycle

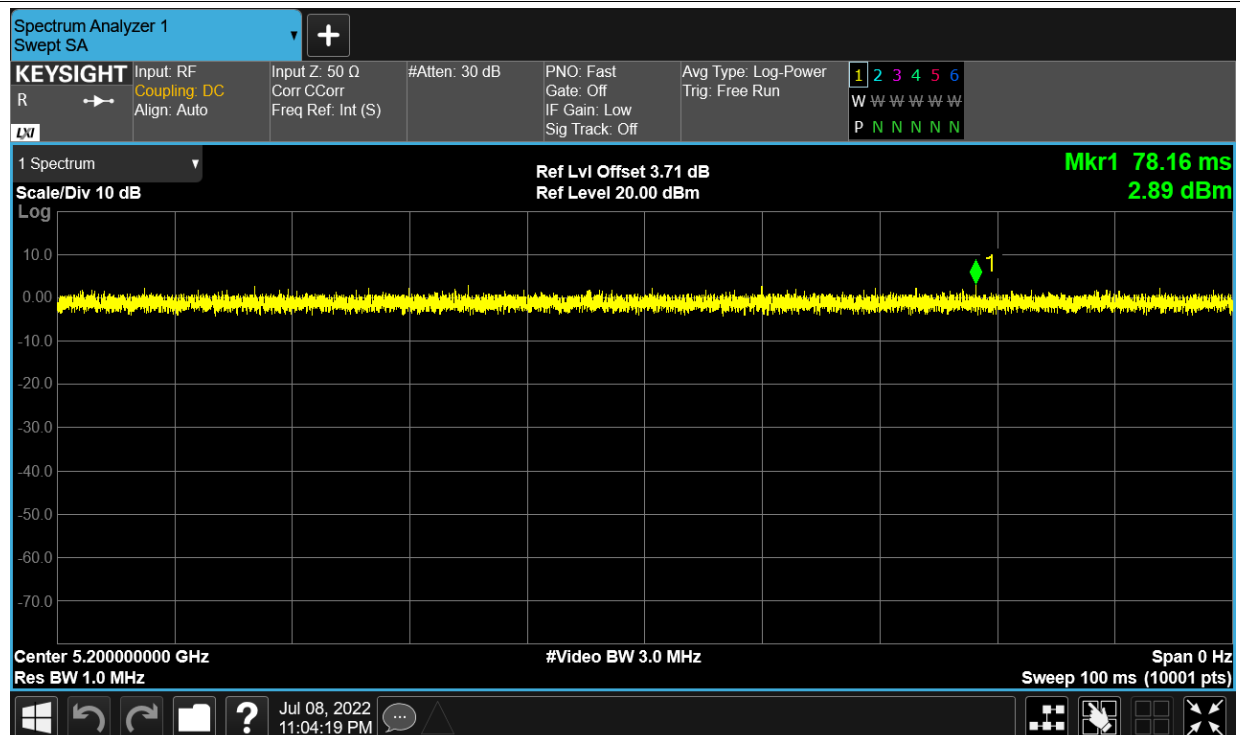
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
NVNT	ac80	5210	Ant1	100	0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

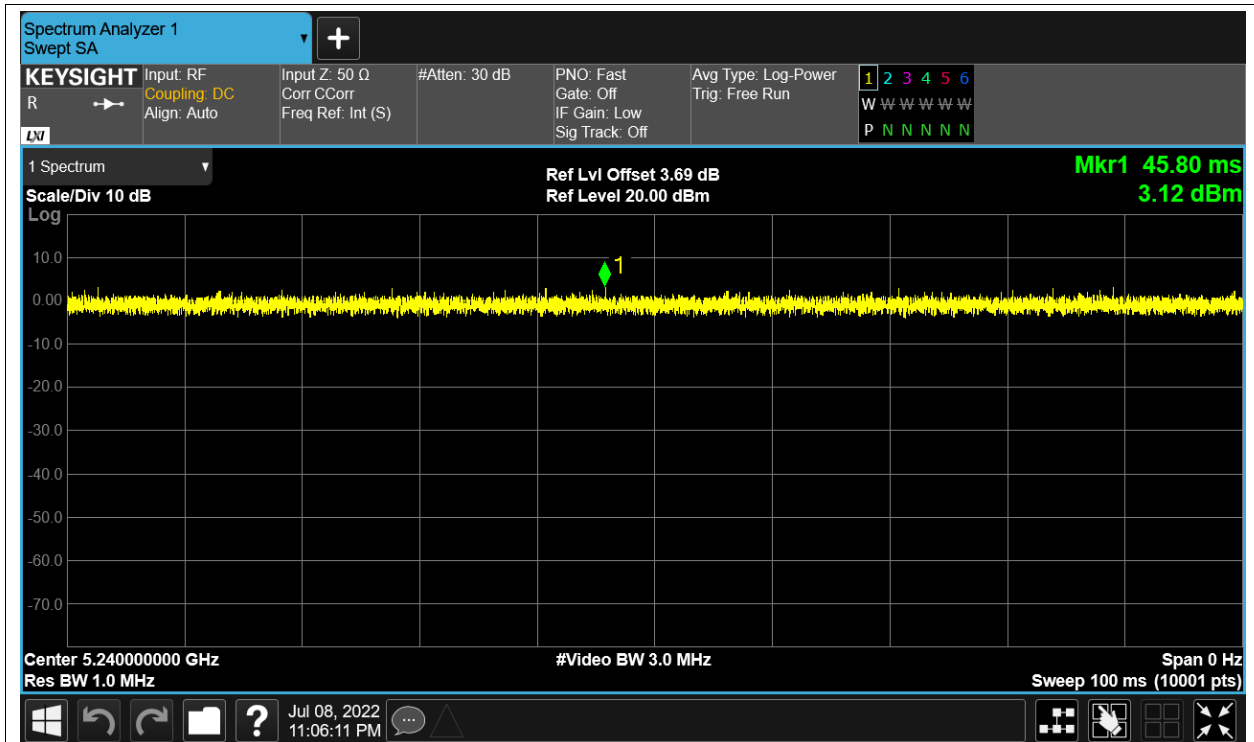
Duty Cycle NVNT a 5180MHz Ant1



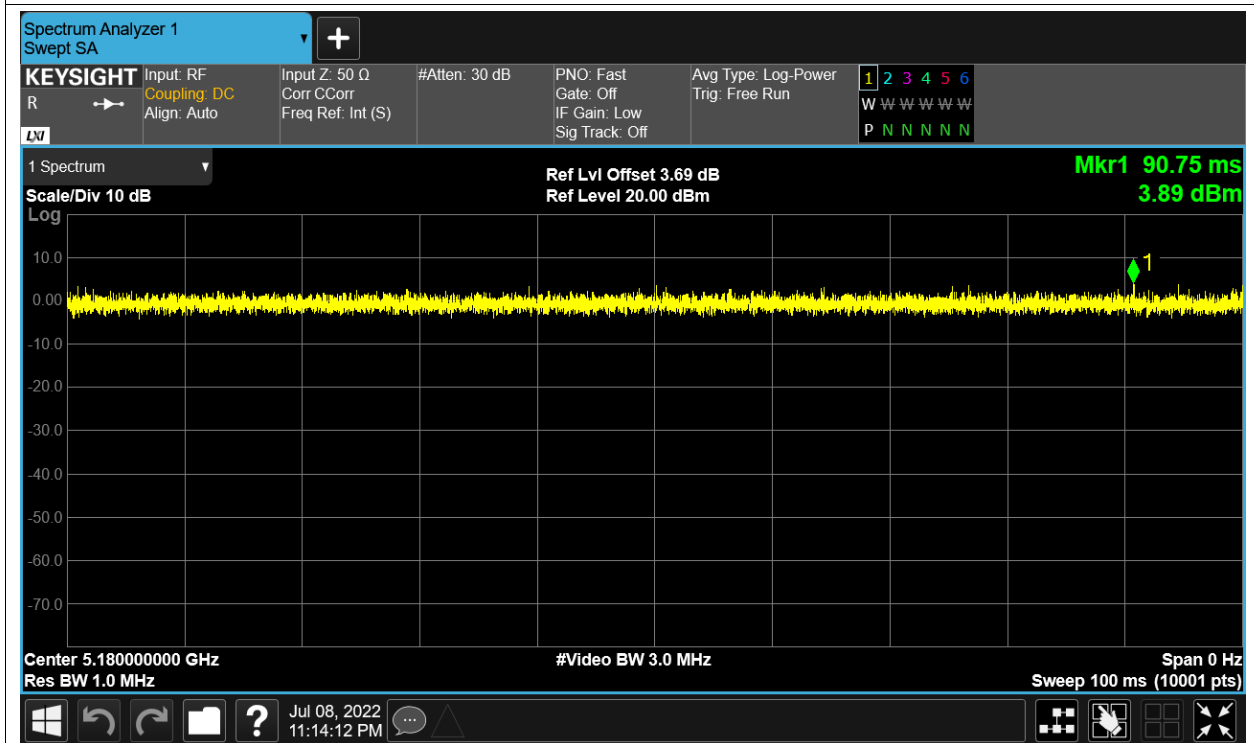
Duty Cycle NVNT a 5200MHz Ant1



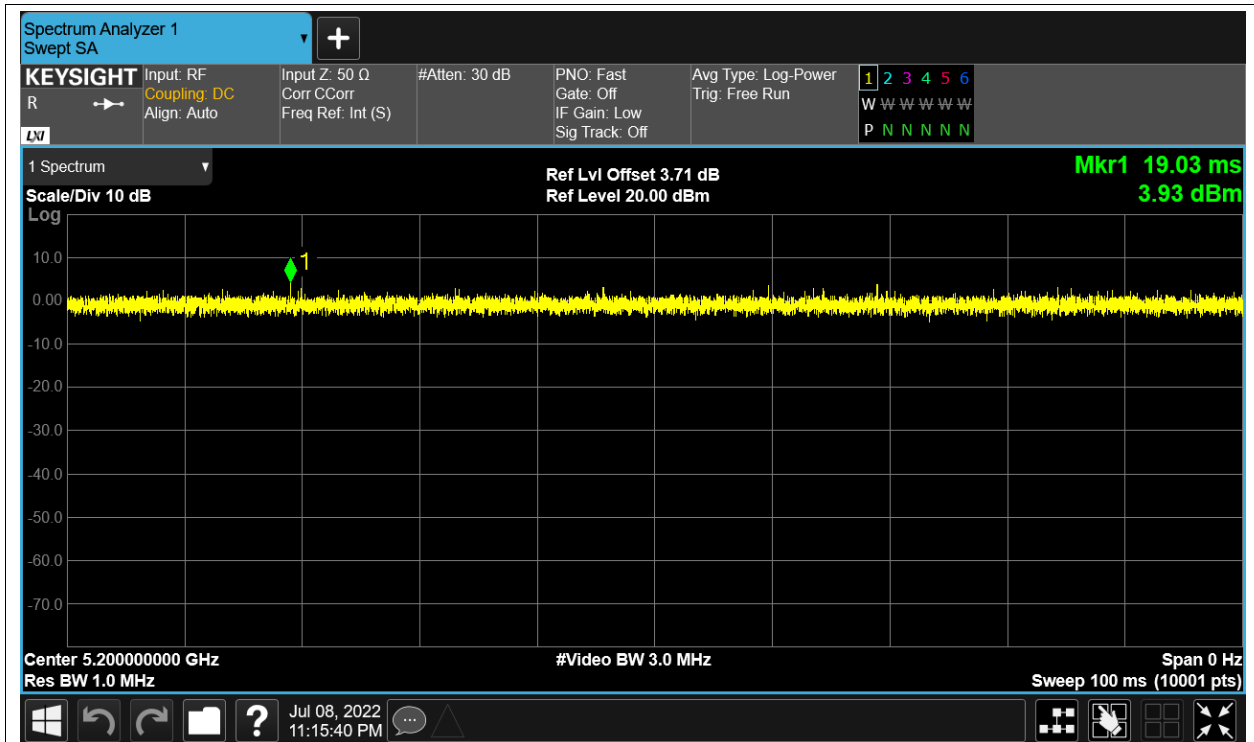
Duty Cycle NVNT a 5240MHz Ant1



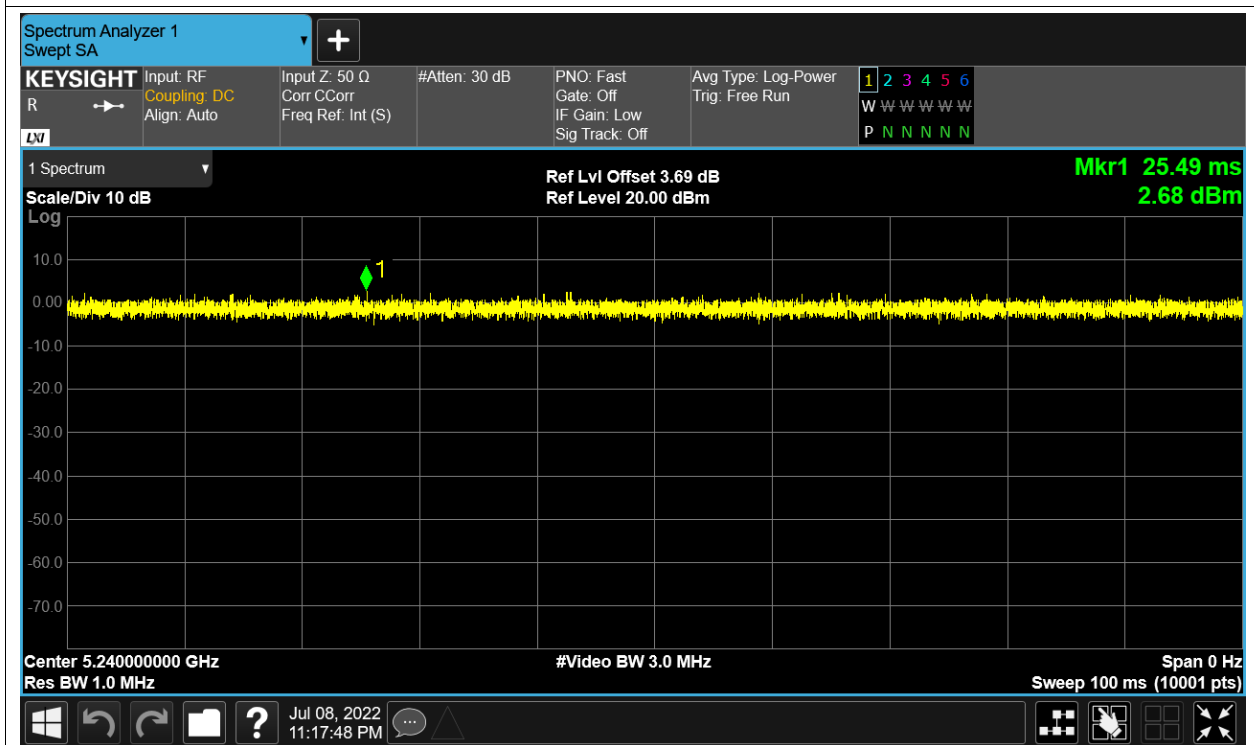
Duty Cycle NVNT ac20 5180MHz Ant1



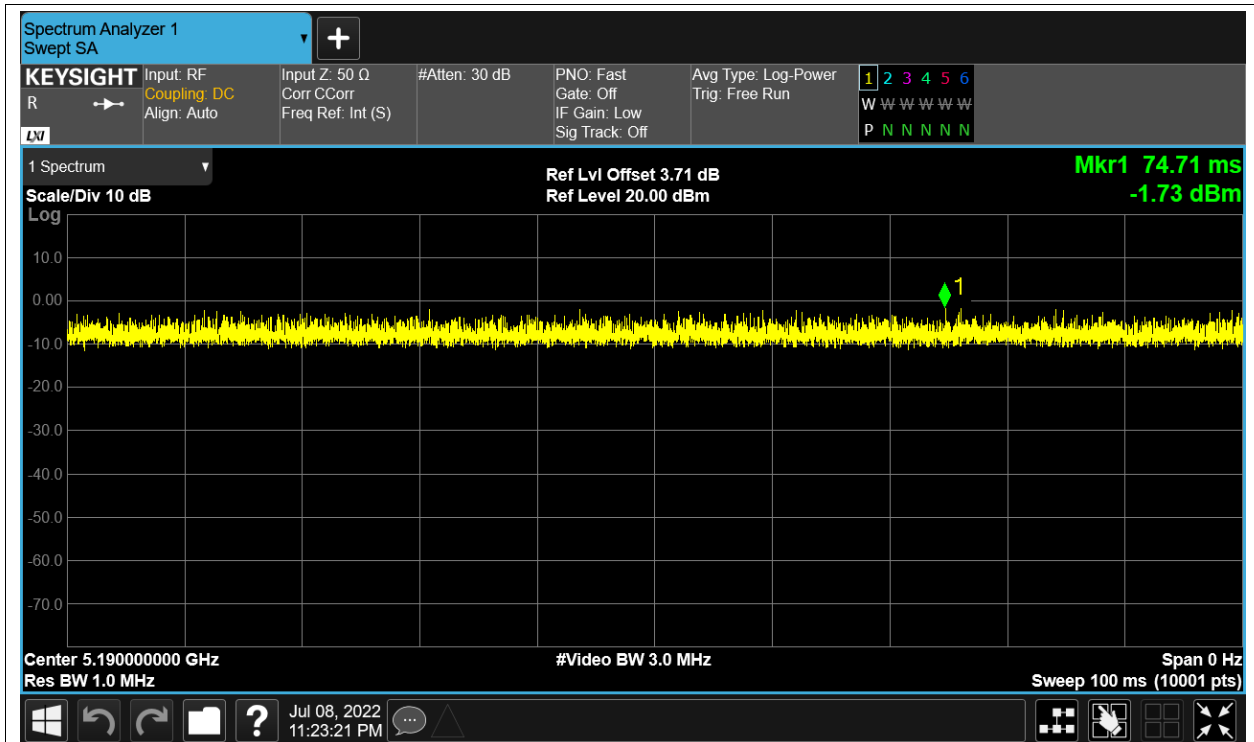
Duty Cycle NVNT ac20 5200MHz Ant1



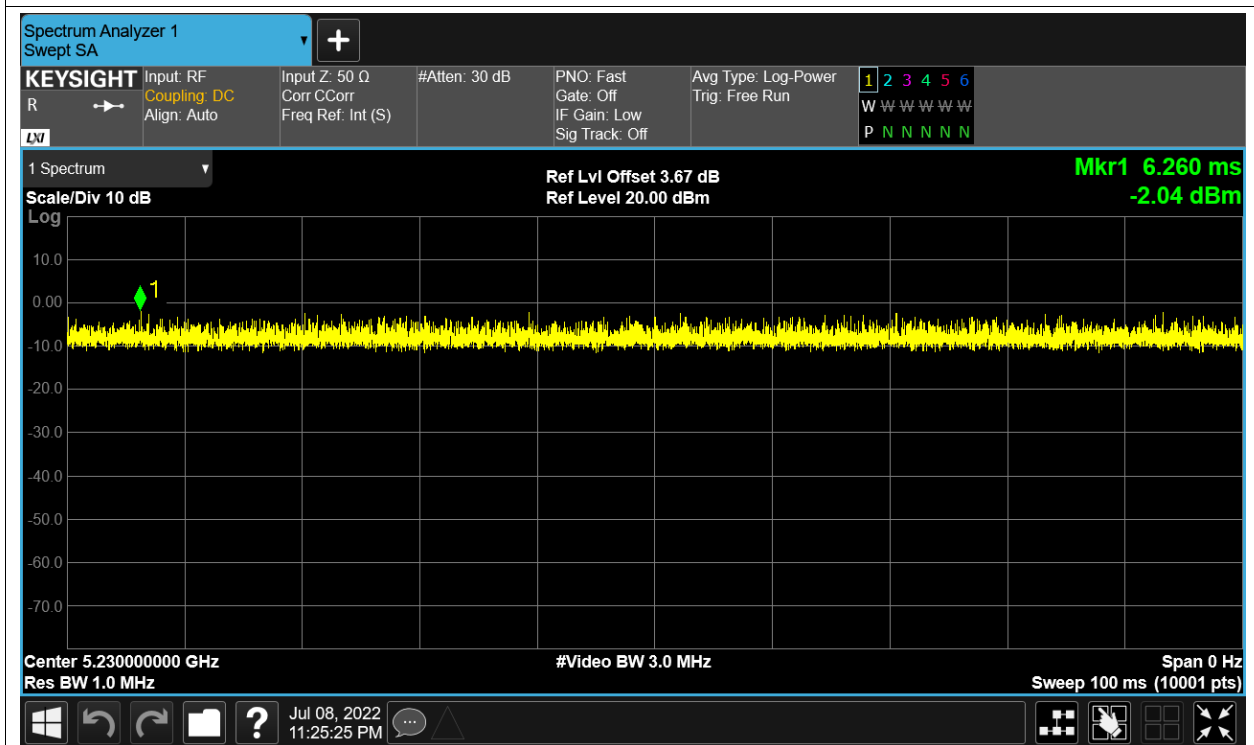
Duty Cycle NVNT ac20 5240MHz Ant1



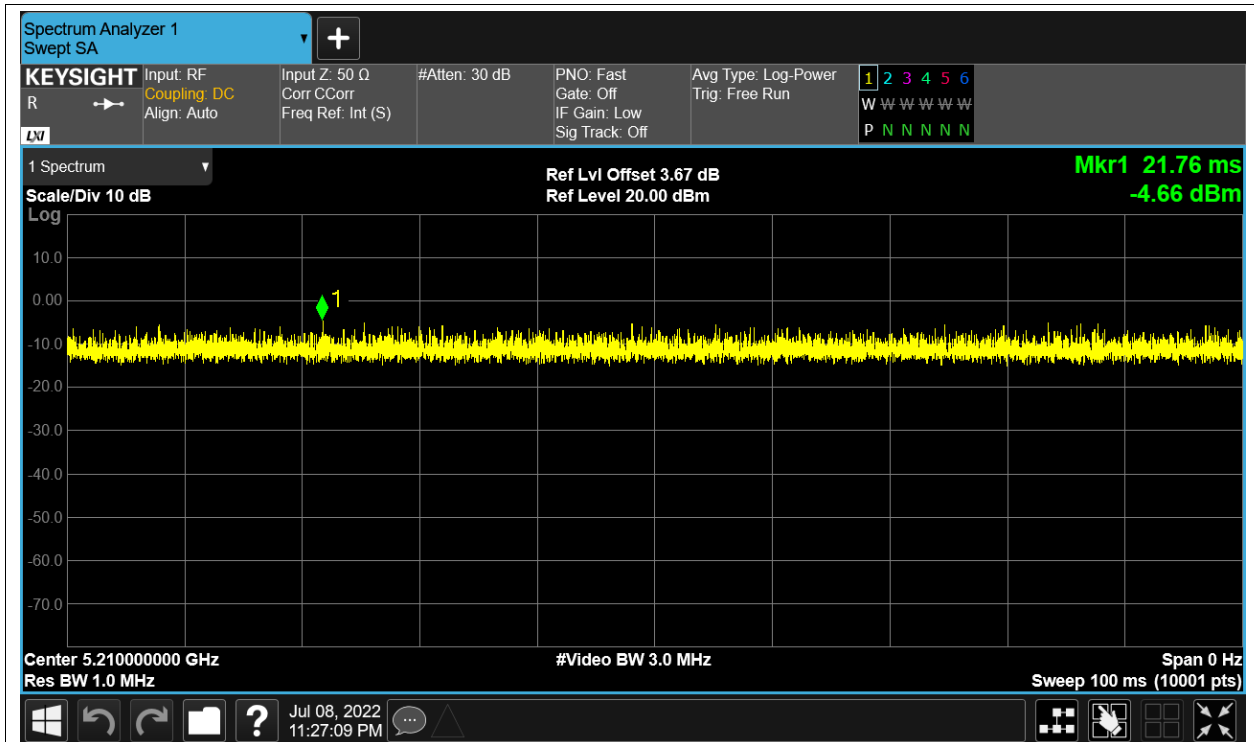
Duty Cycle NVNT ac40 5190MHz Ant1



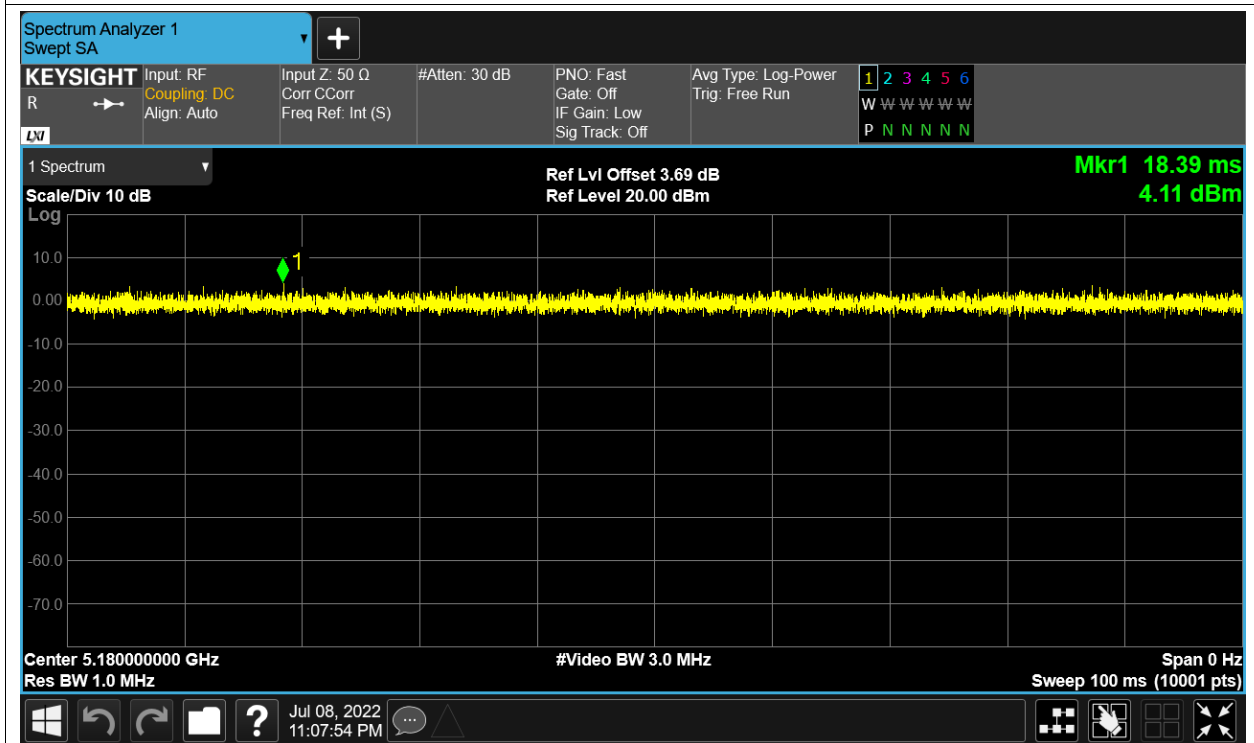
Duty Cycle NVNT ac40 5230MHz Ant1



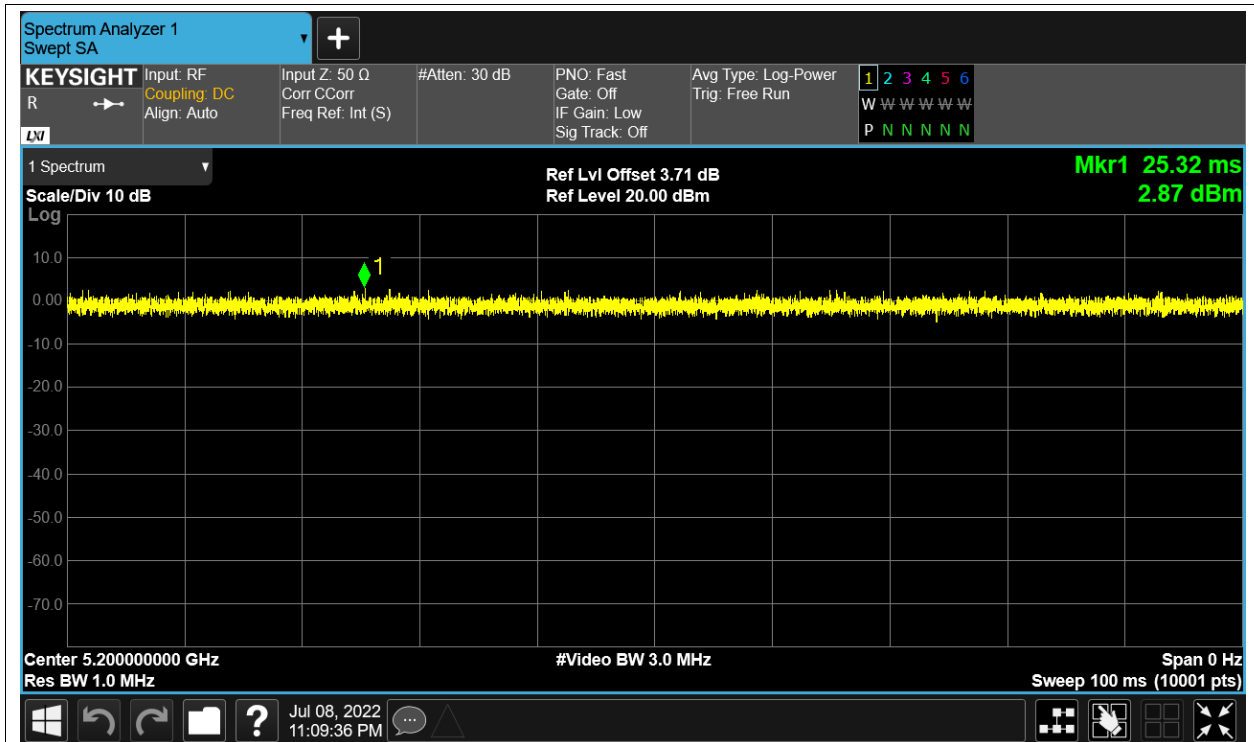
Duty Cycle NVNT ac80 5210MHz Ant1



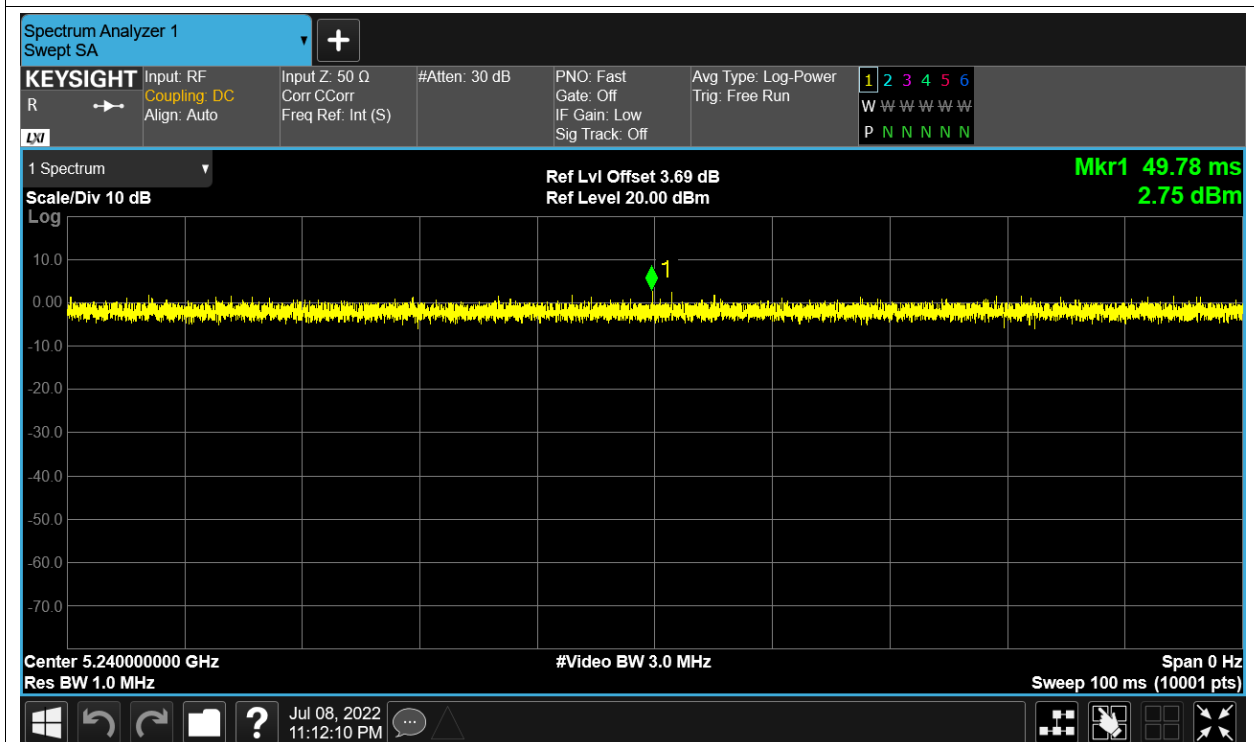
Duty Cycle NVNT n20 5180MHz Ant1



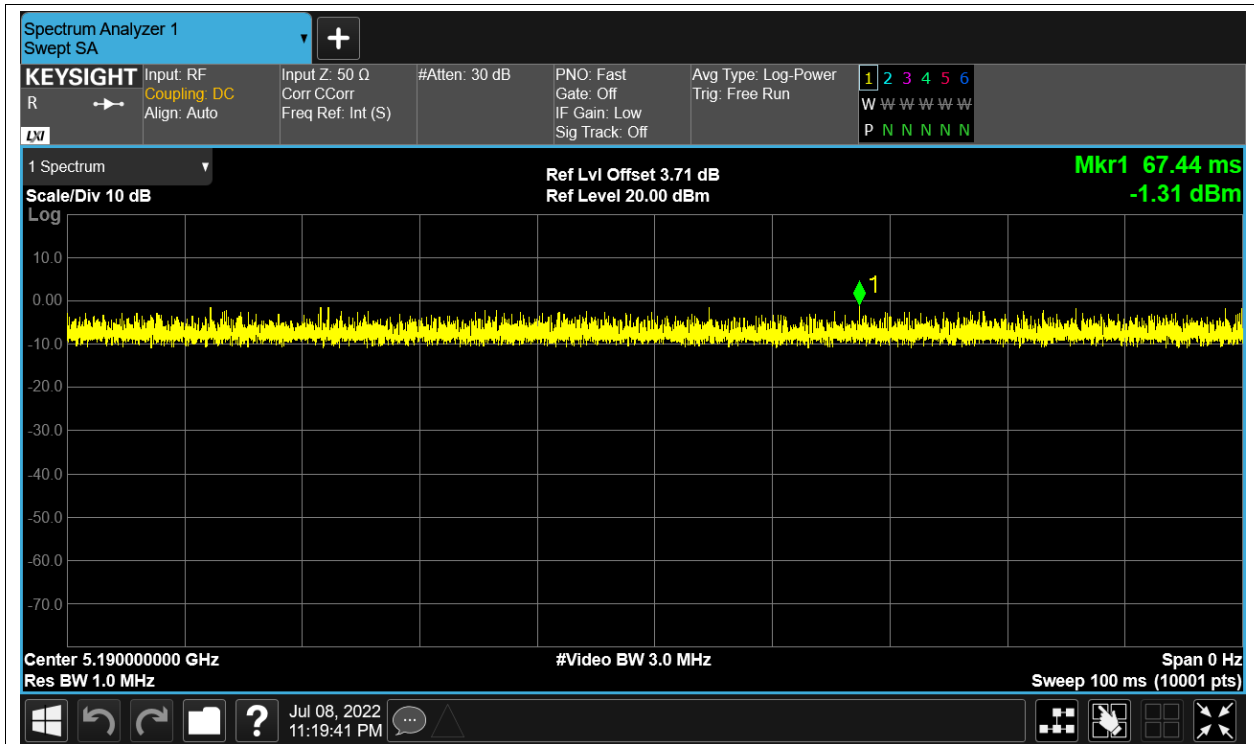
Duty Cycle NVNT n20 5200MHz Ant1



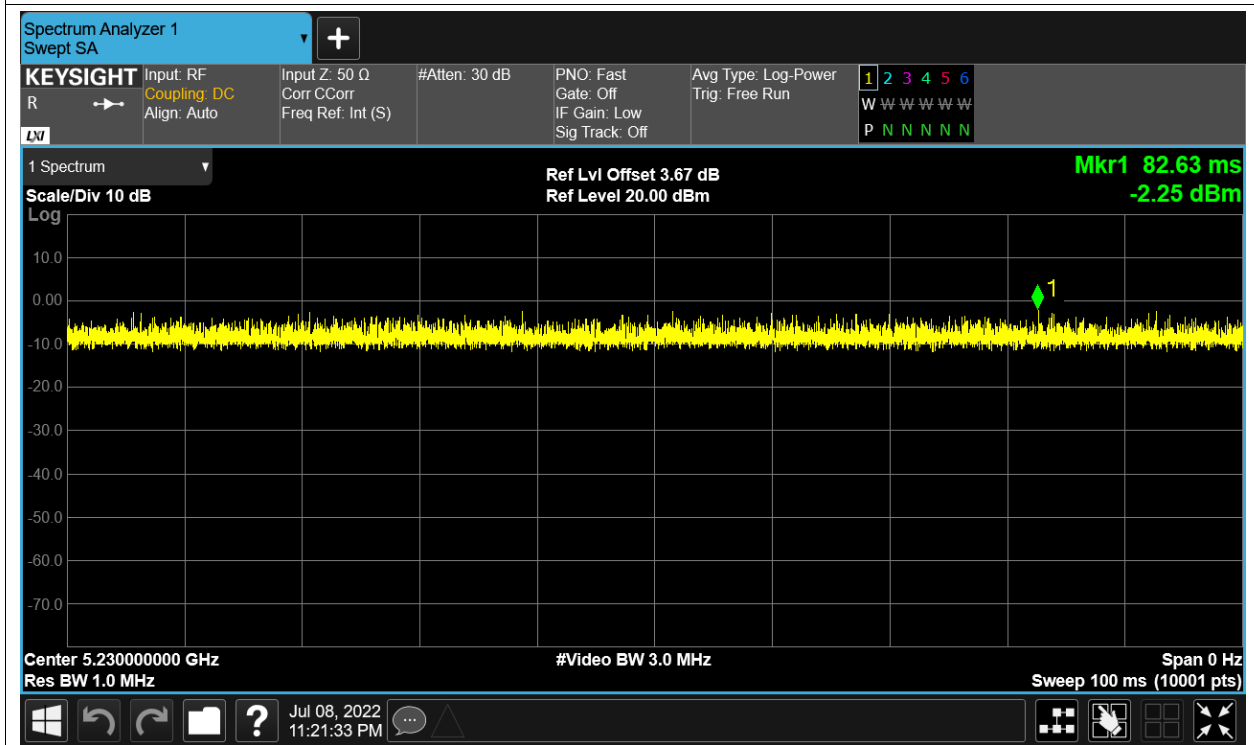
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

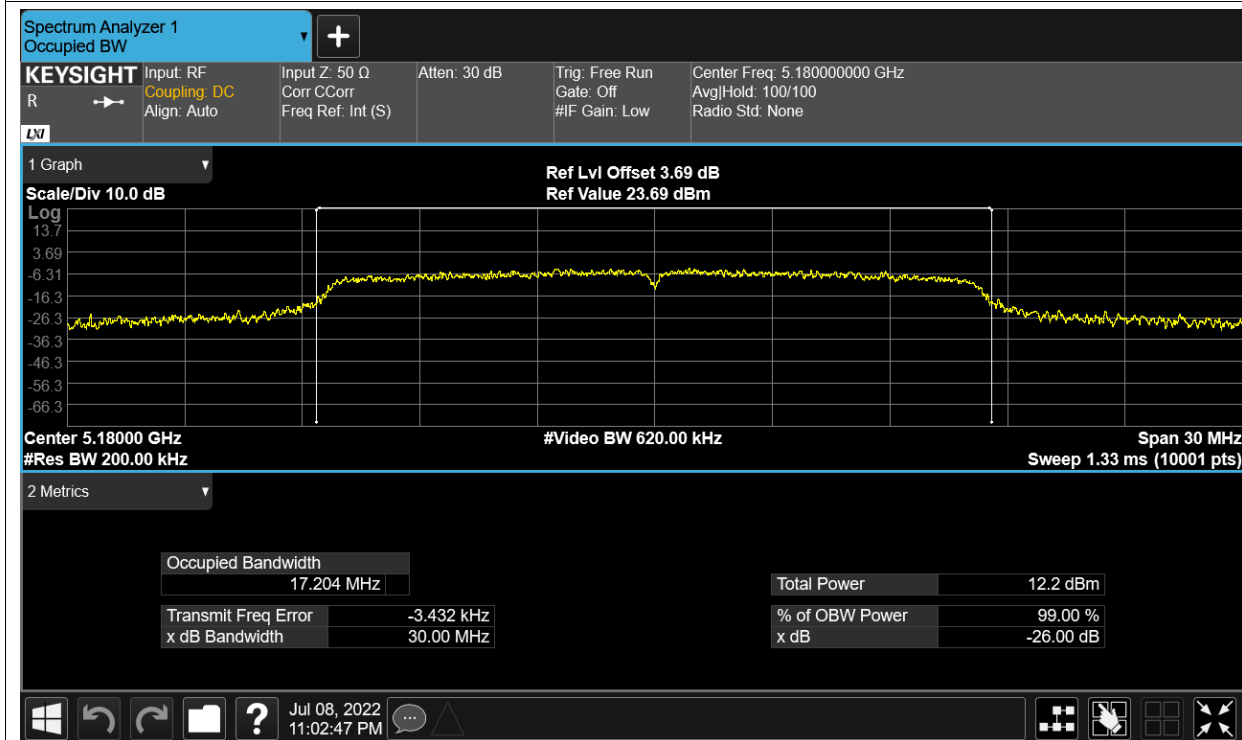
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.88	0	13.88	24	Pass
NVNT	a	5200	Ant1	13.76	0	13.76	24	Pass
NVNT	a	5240	Ant1	13.49	0	13.49	24	Pass
NVNT	ac20	5180	Ant1	13.46	0	13.46	24	Pass
NVNT	ac20	5200	Ant1	13.59	0	13.59	24	Pass
NVNT	ac20	5240	Ant1	13.57	0	13.57	24	Pass
NVNT	ac40	5190	Ant1	13.43	0	13.43	24	Pass
NVNT	ac40	5230	Ant1	13.61	0	13.61	24	Pass
NVNT	ac80	5210	Ant1	13.54	0	13.54	24	Pass
NVNT	n20	5180	Ant1	13.49	0	13.49	24	Pass
NVNT	n20	5200	Ant1	13.64	0	13.64	24	Pass
NVNT	n20	5240	Ant1	13.37	0	13.37	24	Pass
NVNT	n40	5190	Ant1	13.4	0	13.4	24	Pass
NVNT	n40	5230	Ant1	13.6	0	13.6	24	Pass

Occupied Channel Bandwidth

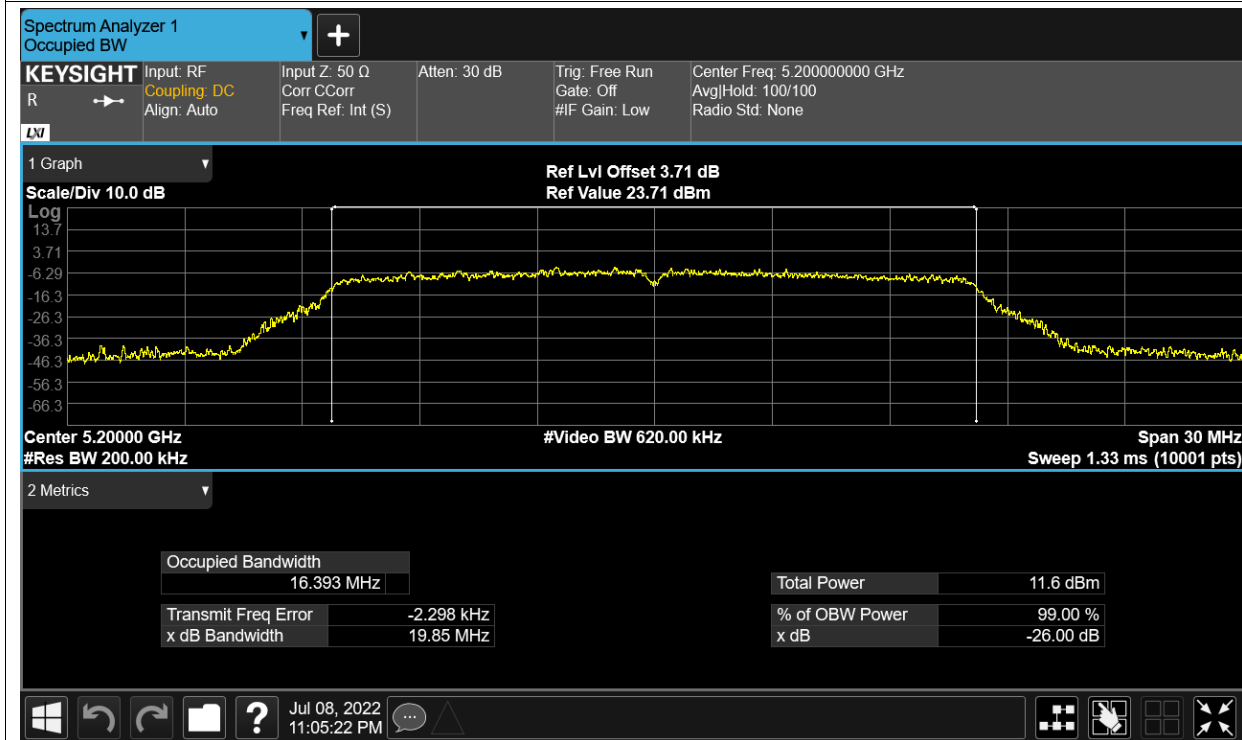
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	17.2037567
NVNT	a	5200	Ant1	16.39293456
NVNT	a	5240	Ant1	16.40664554
NVNT	ac20	5180	Ant1	17.93782873
NVNT	ac20	5200	Ant1	17.5317487
NVNT	ac20	5240	Ant1	17.51411545
NVNT	ac40	5190	Ant1	35.92282454
NVNT	ac40	5230	Ant1	35.87698401
NVNT	ac80	5210	Ant1	75.21888723
NVNT	n20	5180	Ant1	18.07939208
NVNT	n20	5200	Ant1	17.54703081
NVNT	n20	5240	Ant1	17.55696285
NVNT	n40	5190	Ant1	35.96039419
NVNT	n40	5230	Ant1	35.93326742

Test Graphs

OBW NVNT a 5180MHz Ant1



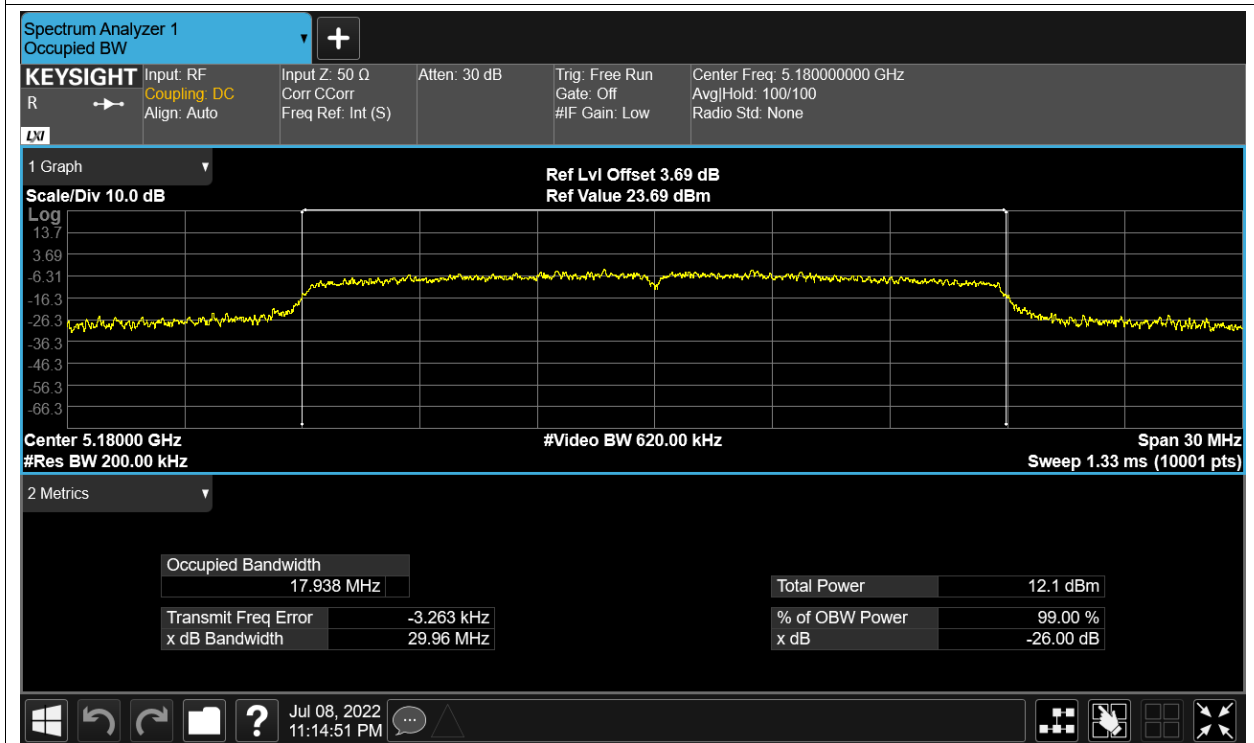
OBW NVNT a 5200MHz Ant1



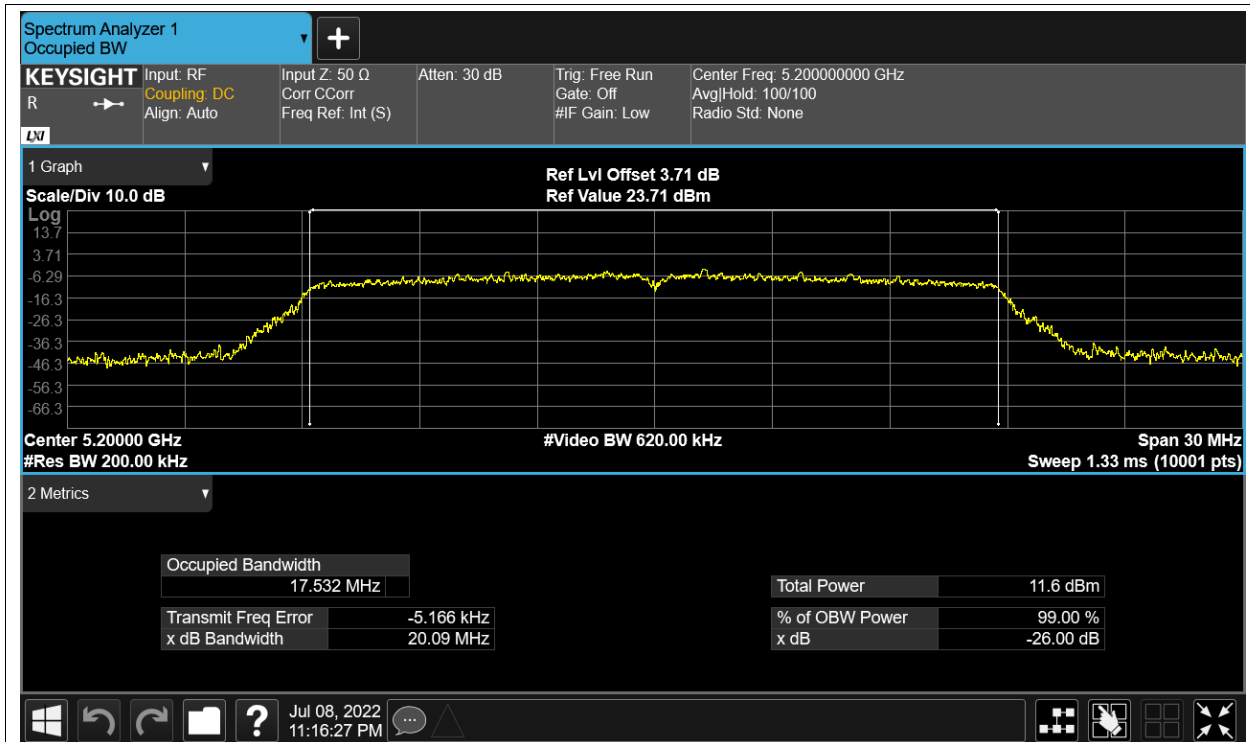
OBW NVNT a 5240MHz Ant1



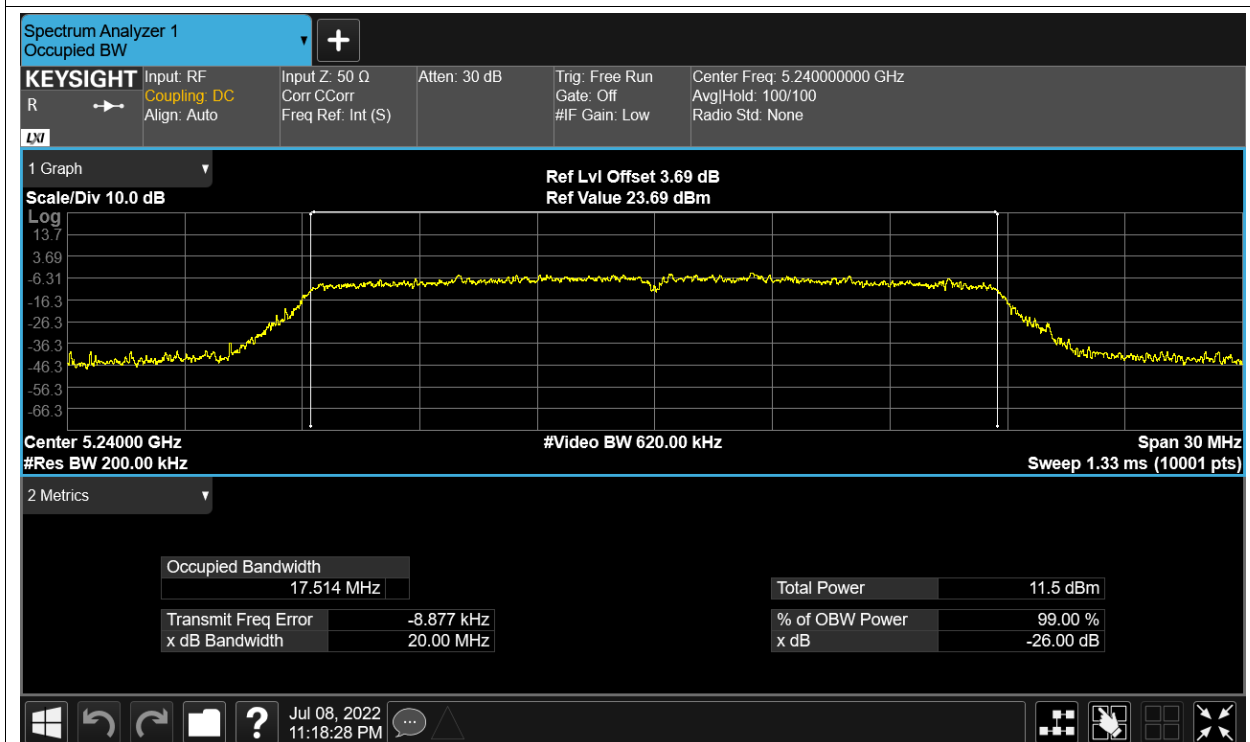
OBW NVNT ac20 5180MHz Ant1



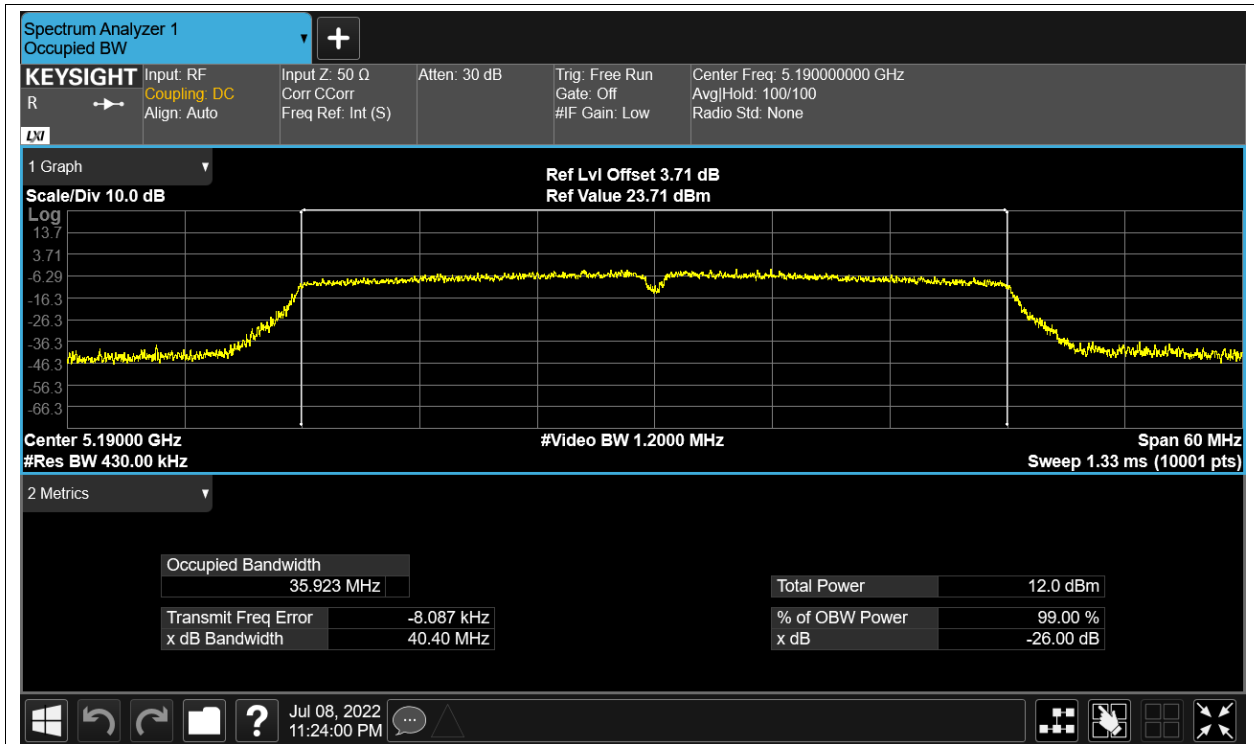
OBW NVNT ac20 5200MHz Ant1



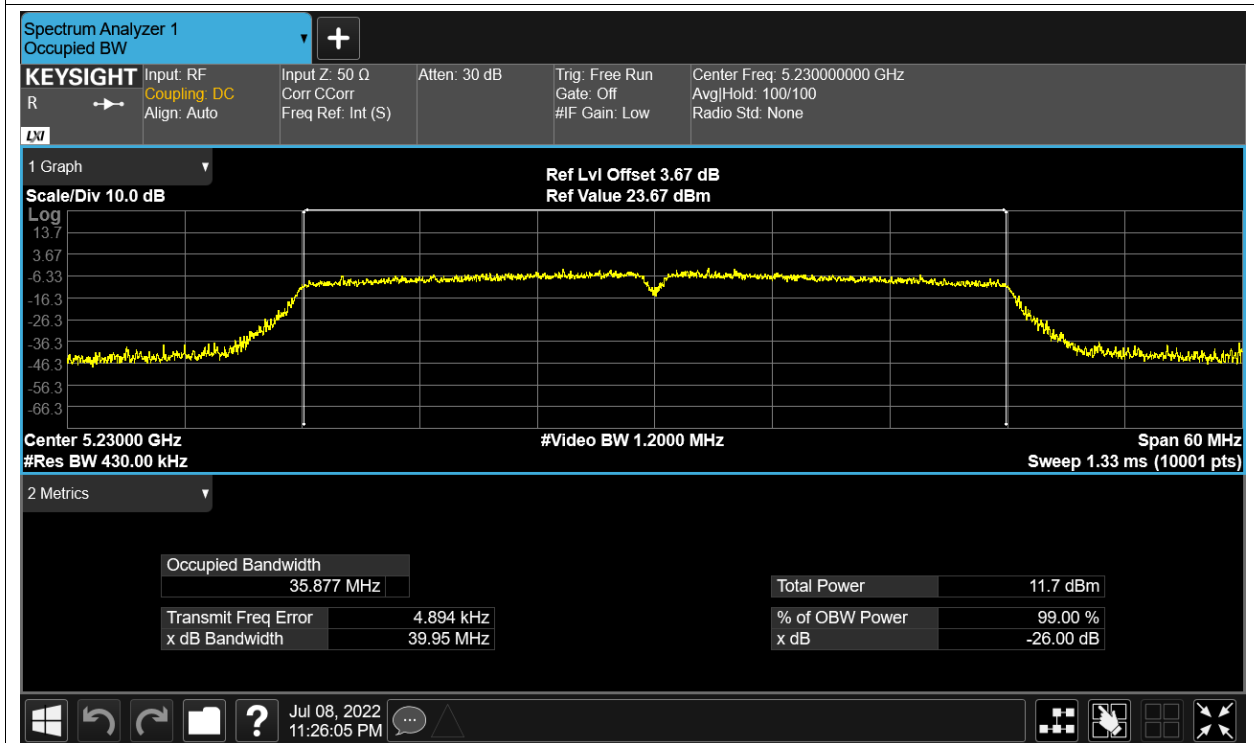
OBW NVNT ac20 5240MHz Ant1



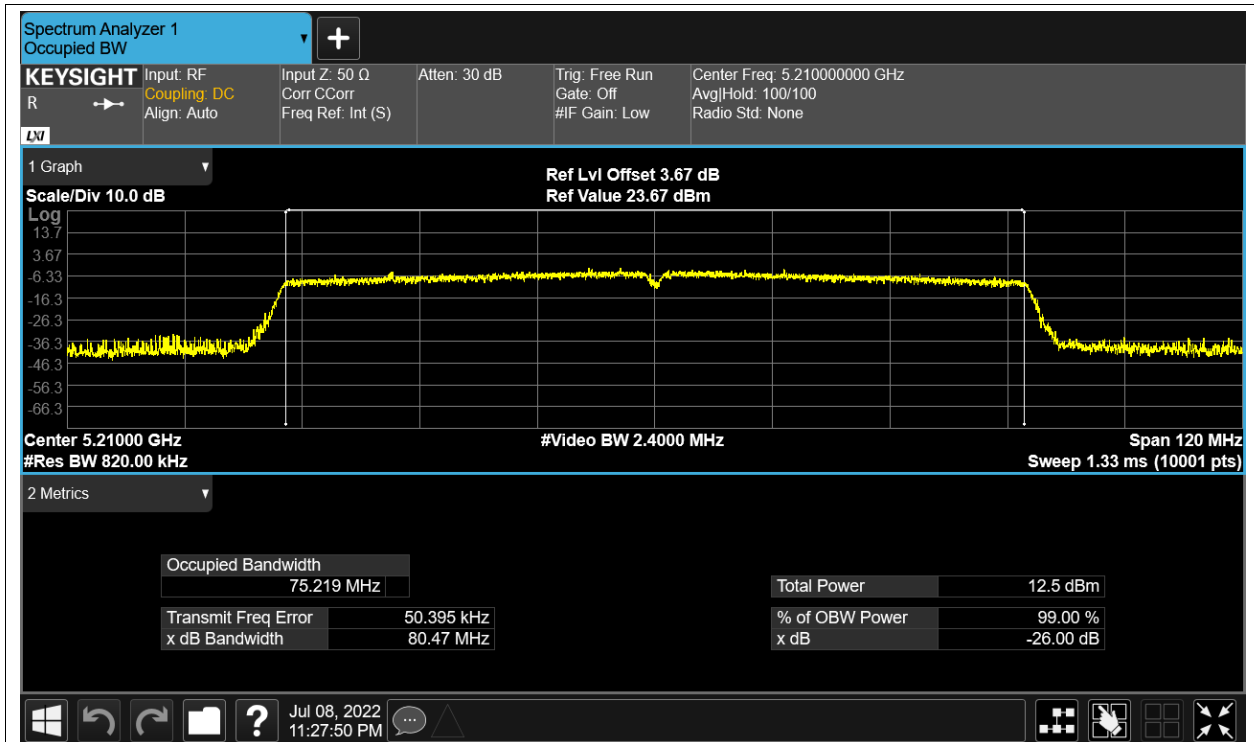
OBW NVNT ac40 5190MHz Ant1



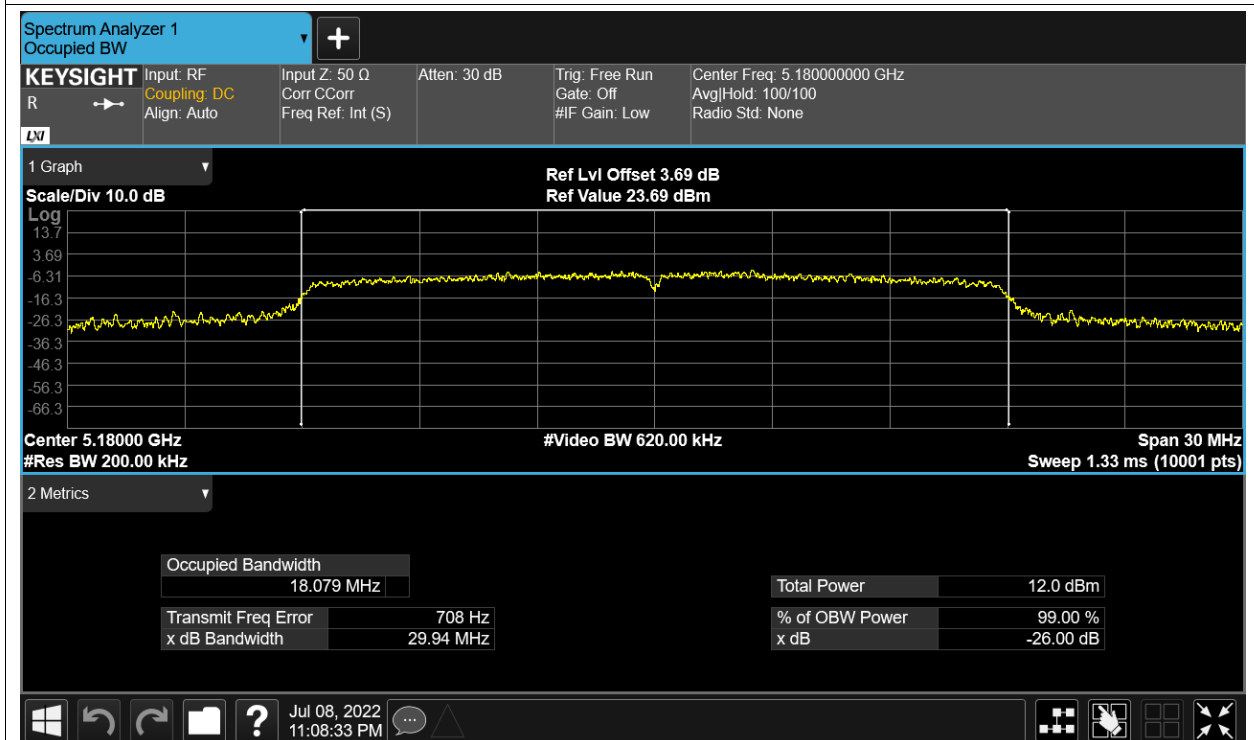
OBW NVNT ac40 5230MHz Ant1



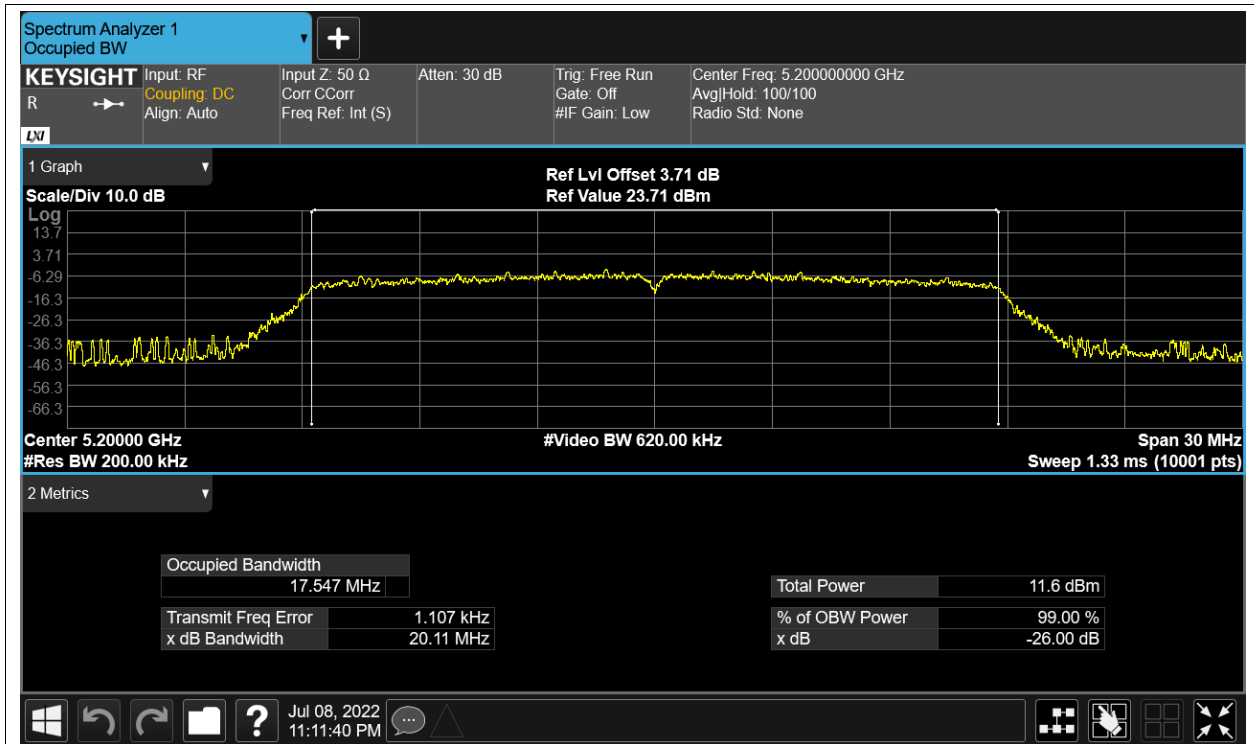
OBW NVNT ac80 5210MHz Ant1



OBW NVNT n20 5180MHz Ant1



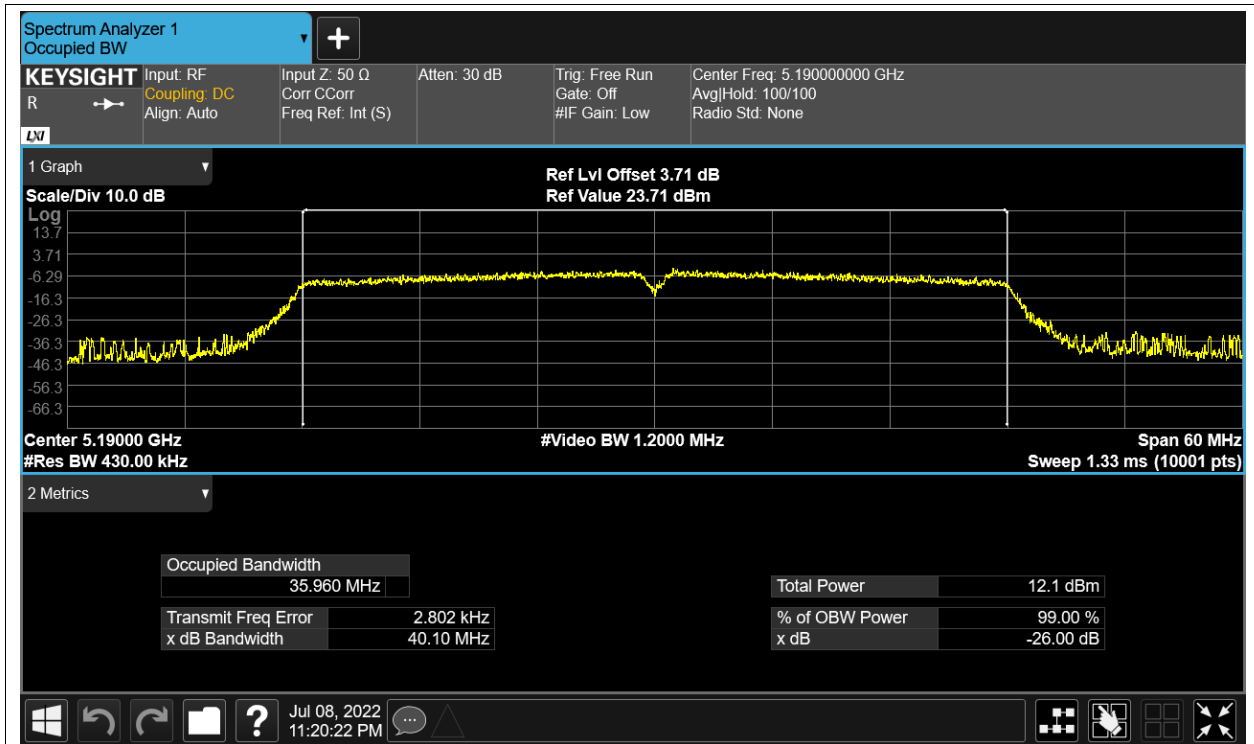
OBW NVNT n20 5200MHz Ant1



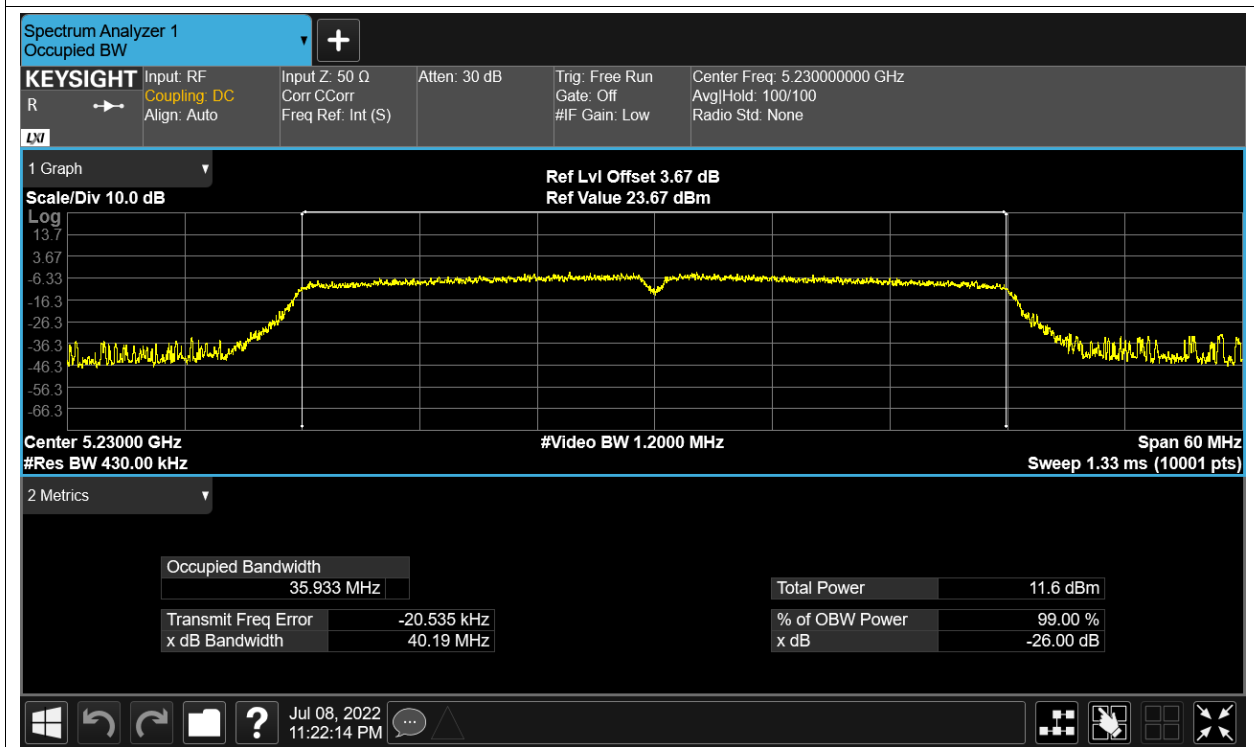
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

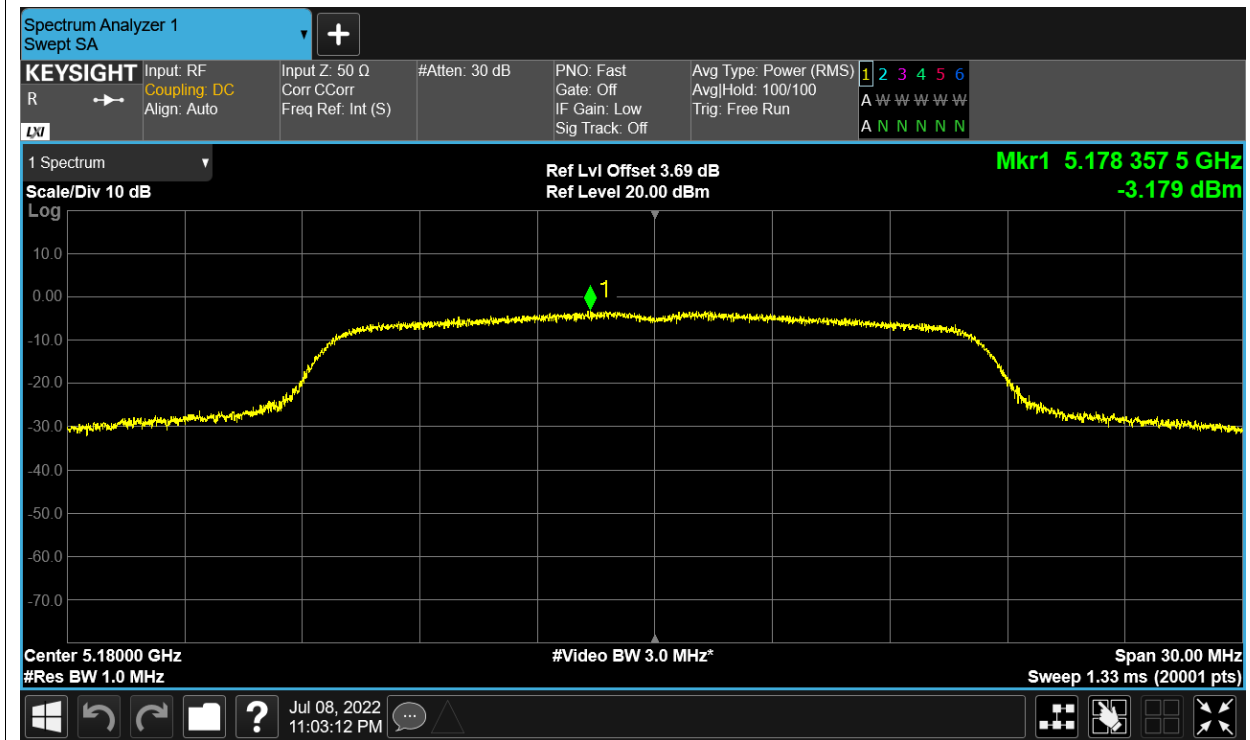


Maximum Power Spectral Density Level

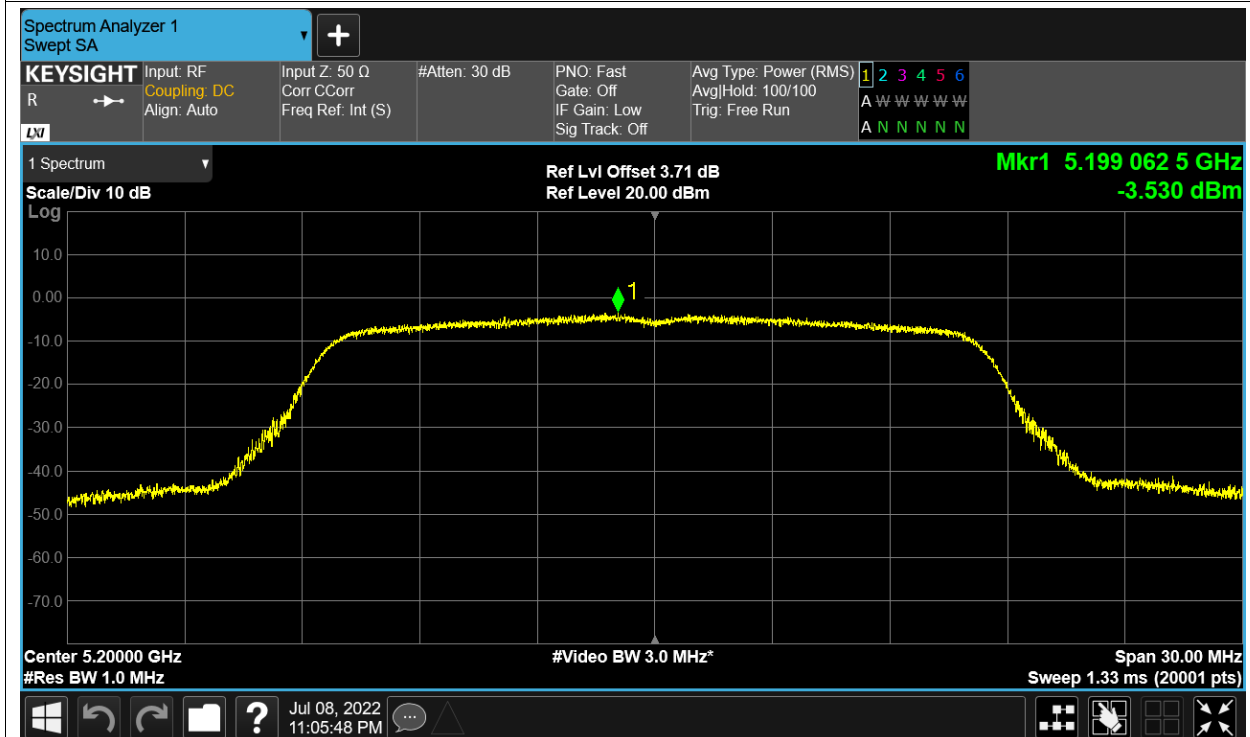
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-3.179	11	Pass
NVNT	a	5200	Ant1	-3.53	11	Pass
NVNT	a	5240	Ant1	-3.985	11	Pass
NVNT	ac20	5180	Ant1	-3.308	11	Pass
NVNT	ac20	5200	Ant1	-3.766	11	Pass
NVNT	ac20	5240	Ant1	-4.076	11	Pass
NVNT	ac40	5190	Ant1	-6.375	11	Pass
NVNT	ac40	5230	Ant1	-6.854	11	Pass
NVNT	ac80	5210	Ant1	-9.835	11	Pass
NVNT	n20	5180	Ant1	-3.575	11	Pass
NVNT	n20	5200	Ant1	-3.876	11	Pass
NVNT	n20	5240	Ant1	-4.404	11	Pass
NVNT	n40	5190	Ant1	-6.358	11	Pass
NVNT	n40	5230	Ant1	-7.041	11	Pass

Test Graphs

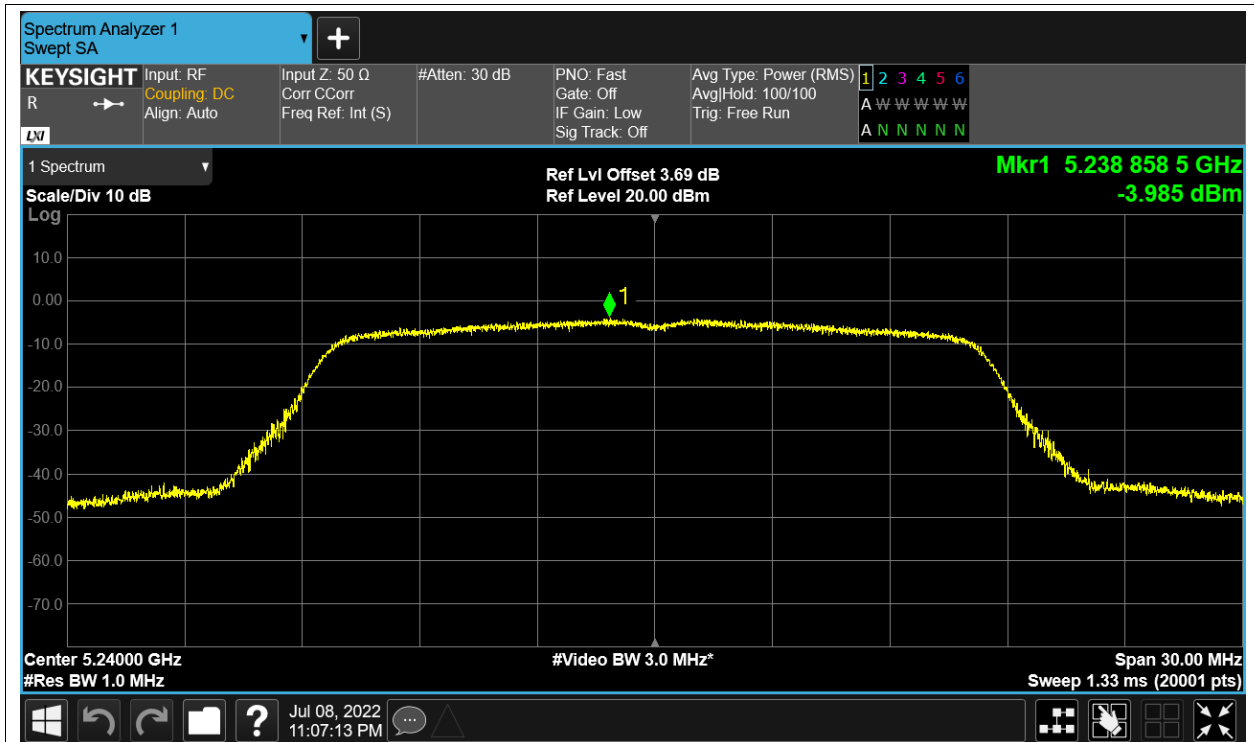
PSD NVNT a 5180MHz Ant1



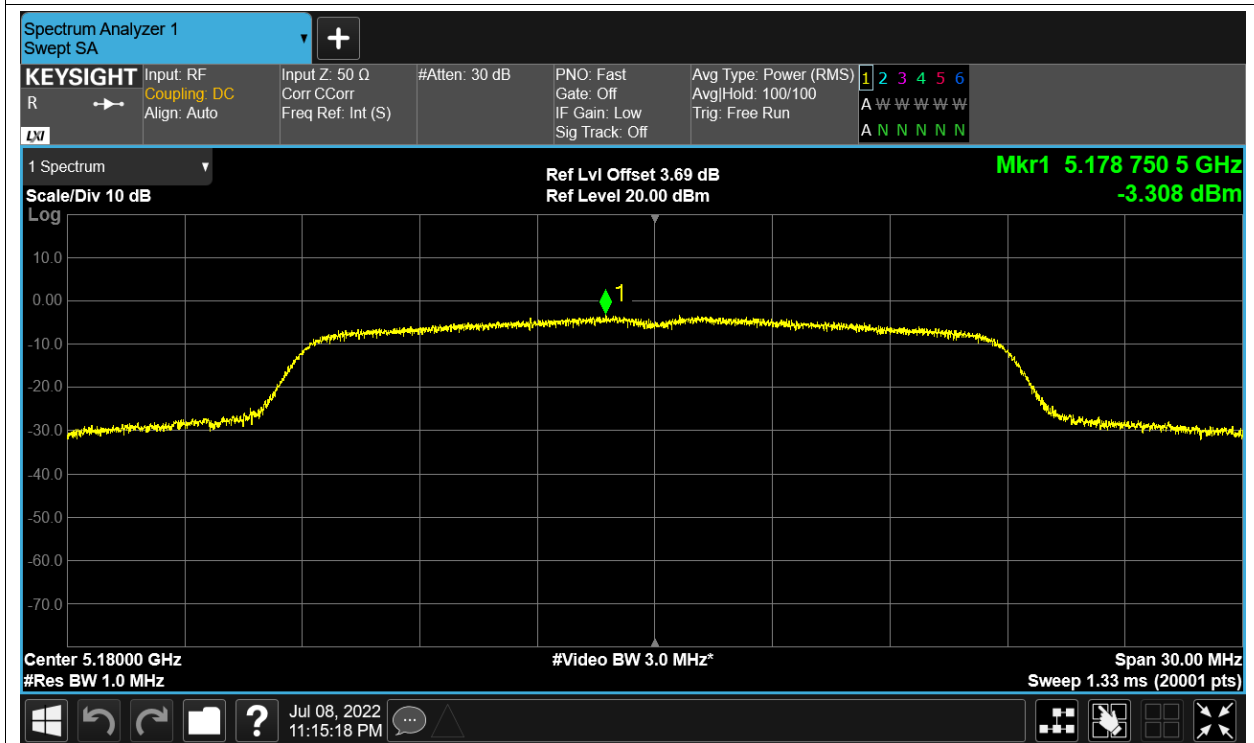
PSD NVNT a 5200MHz Ant1



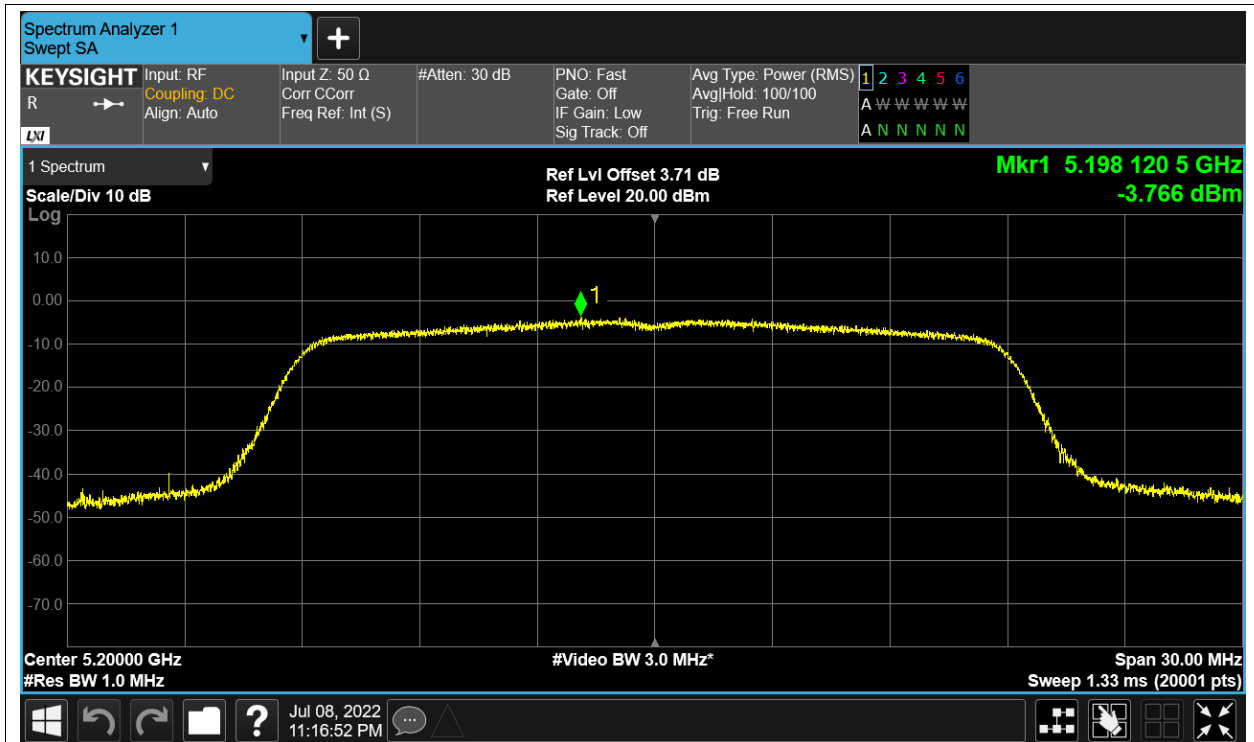
PSD NVNT a 5240MHz Ant1



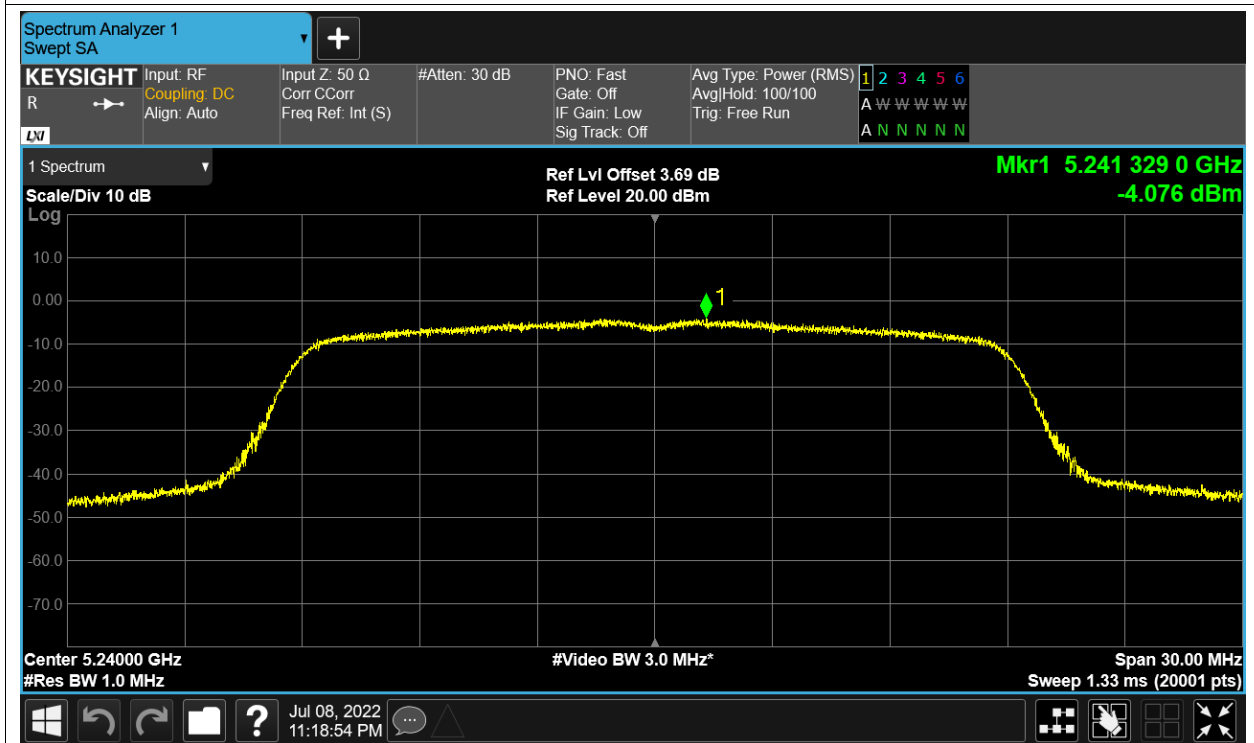
PSD NVNT ac20 5180MHz Ant1



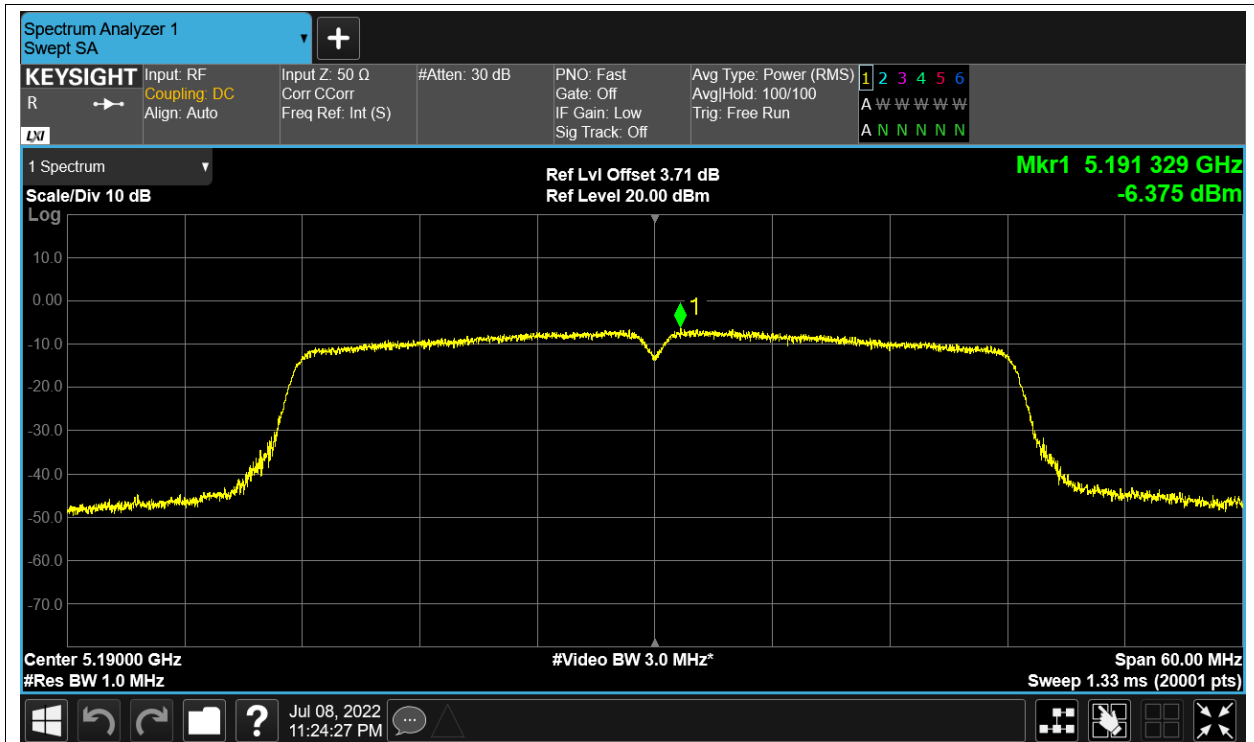
PSD NVNT ac20 5200MHz Ant1



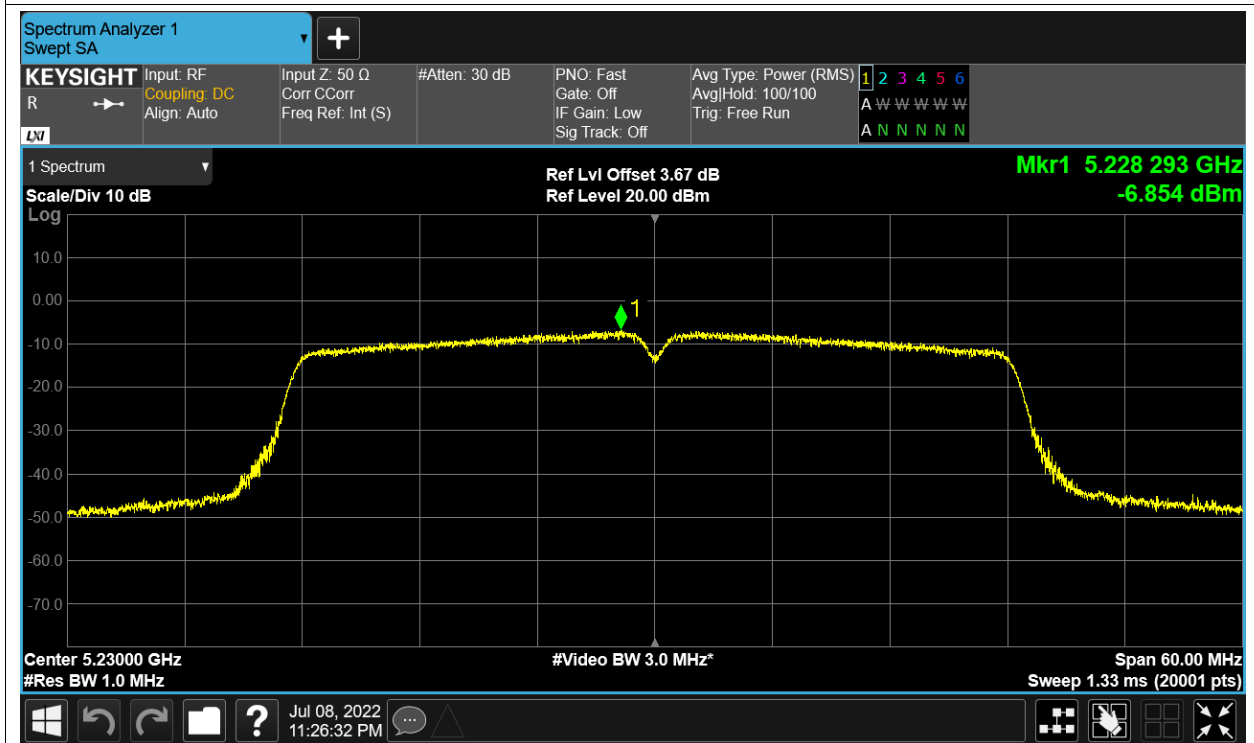
PSD NVNT ac20 5240MHz Ant1



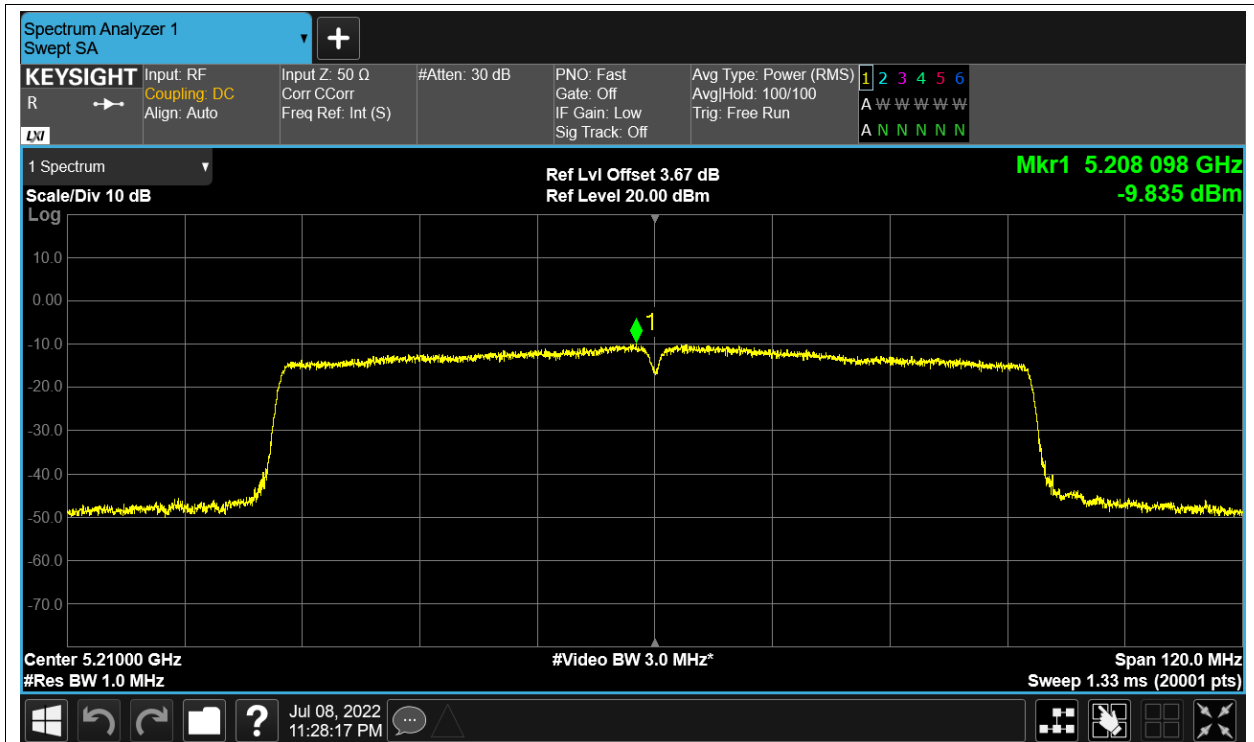
PSD NVNT ac40 5190MHz Ant1



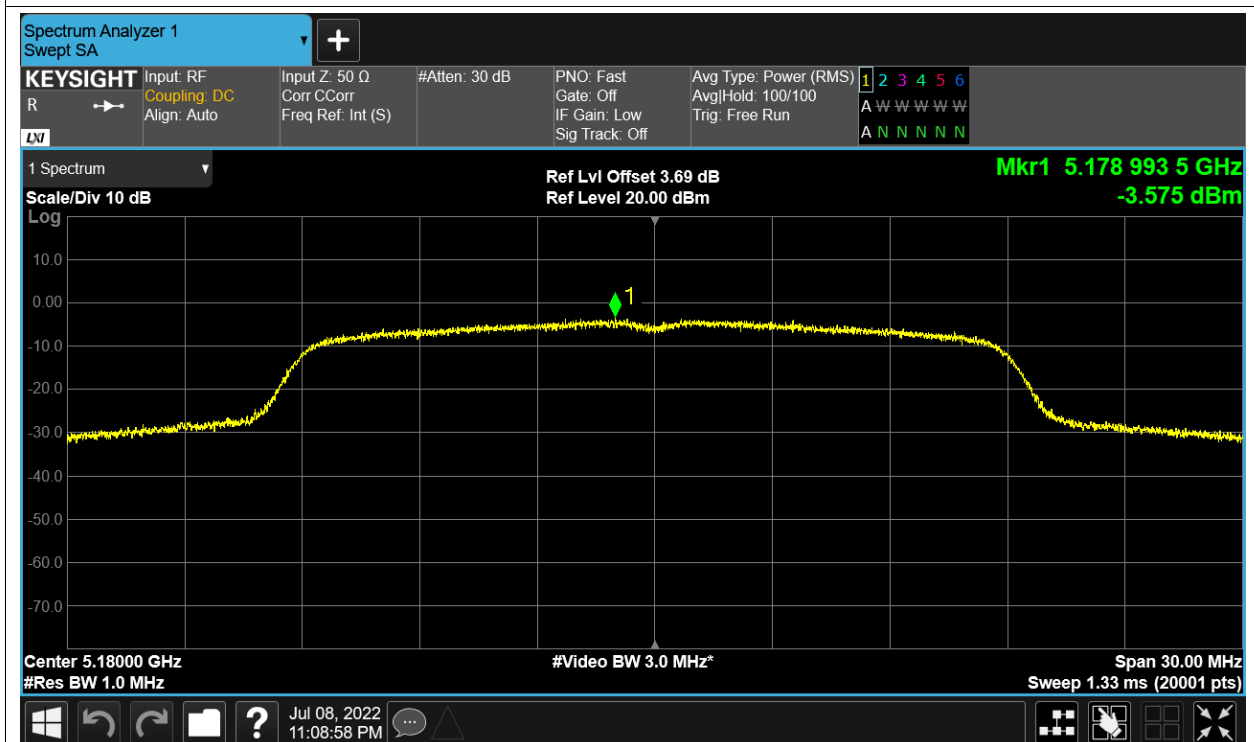
PSD NVNT ac40 5230MHz Ant1



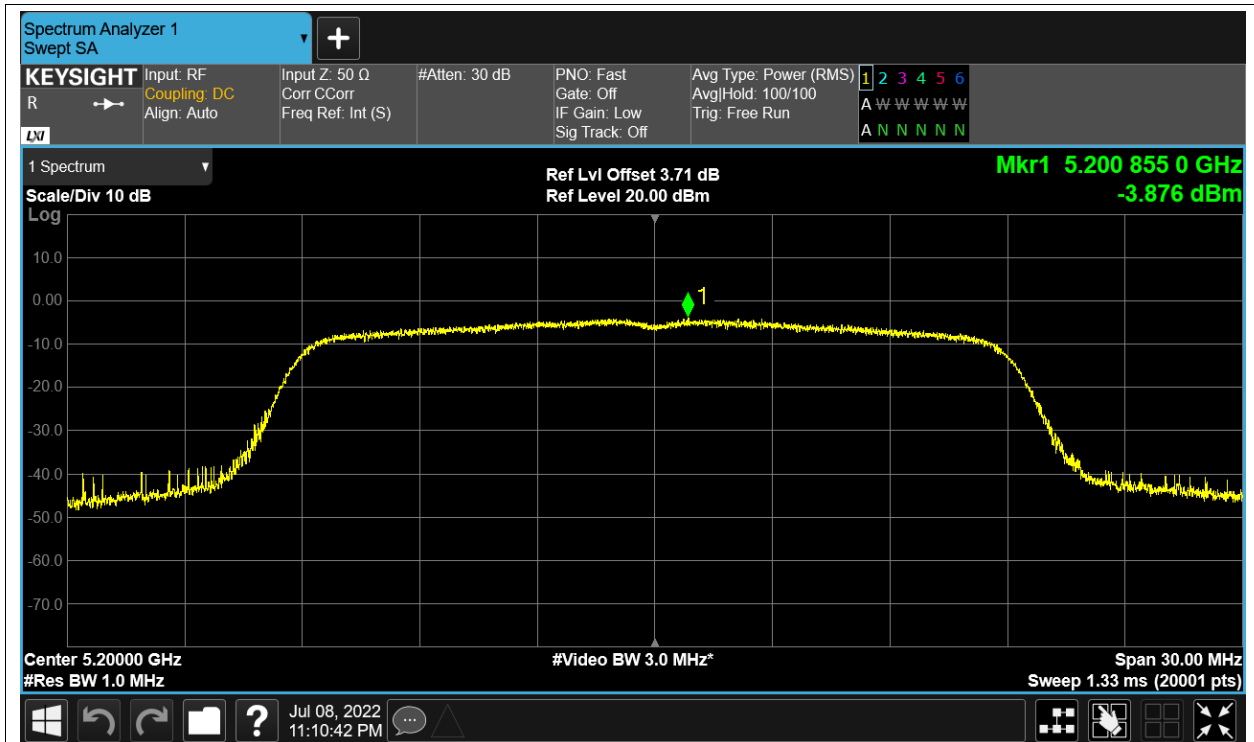
PSD NVNT ac80 5210MHz Ant1



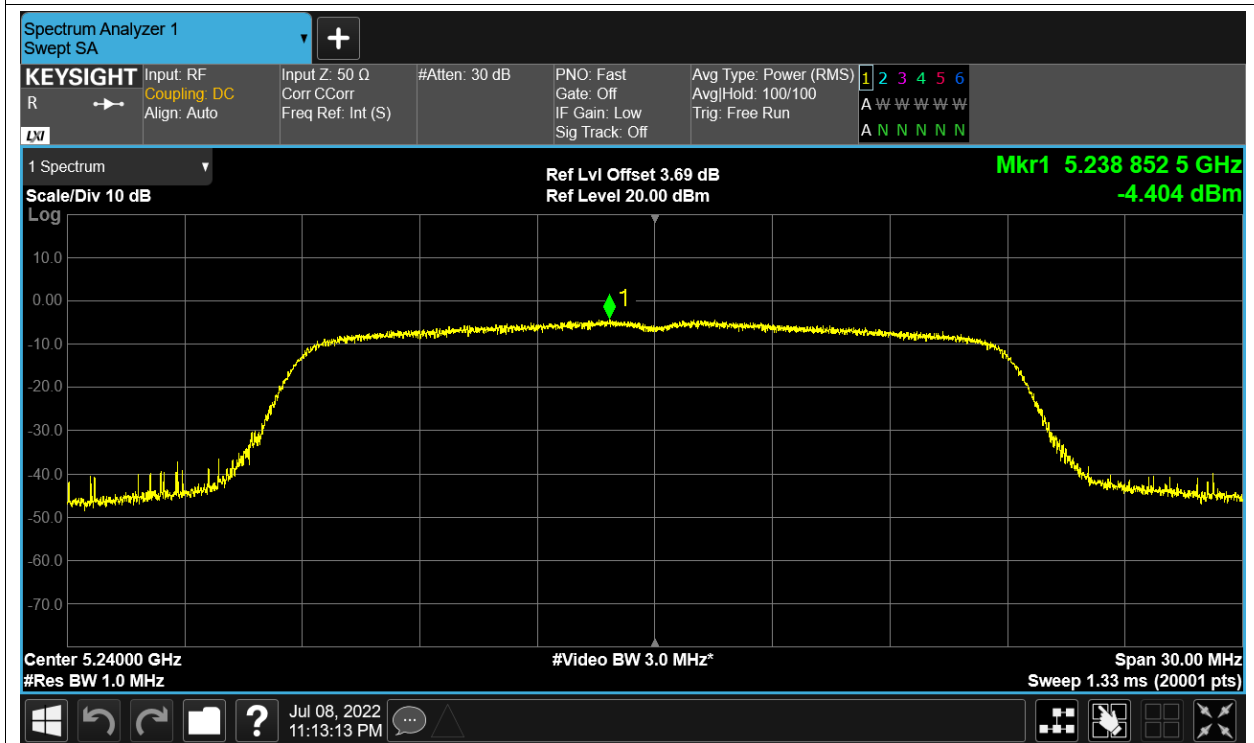
PSD NVNT n20 5180MHz Ant1



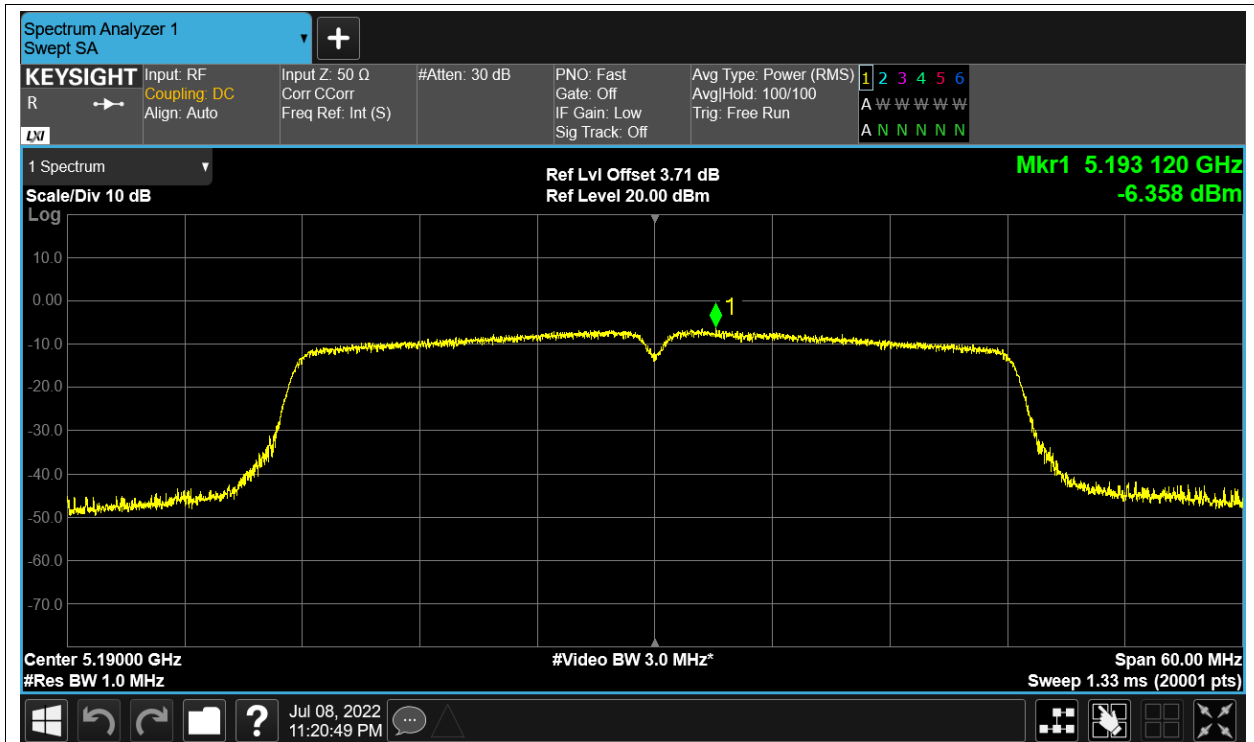
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

