

Test Data

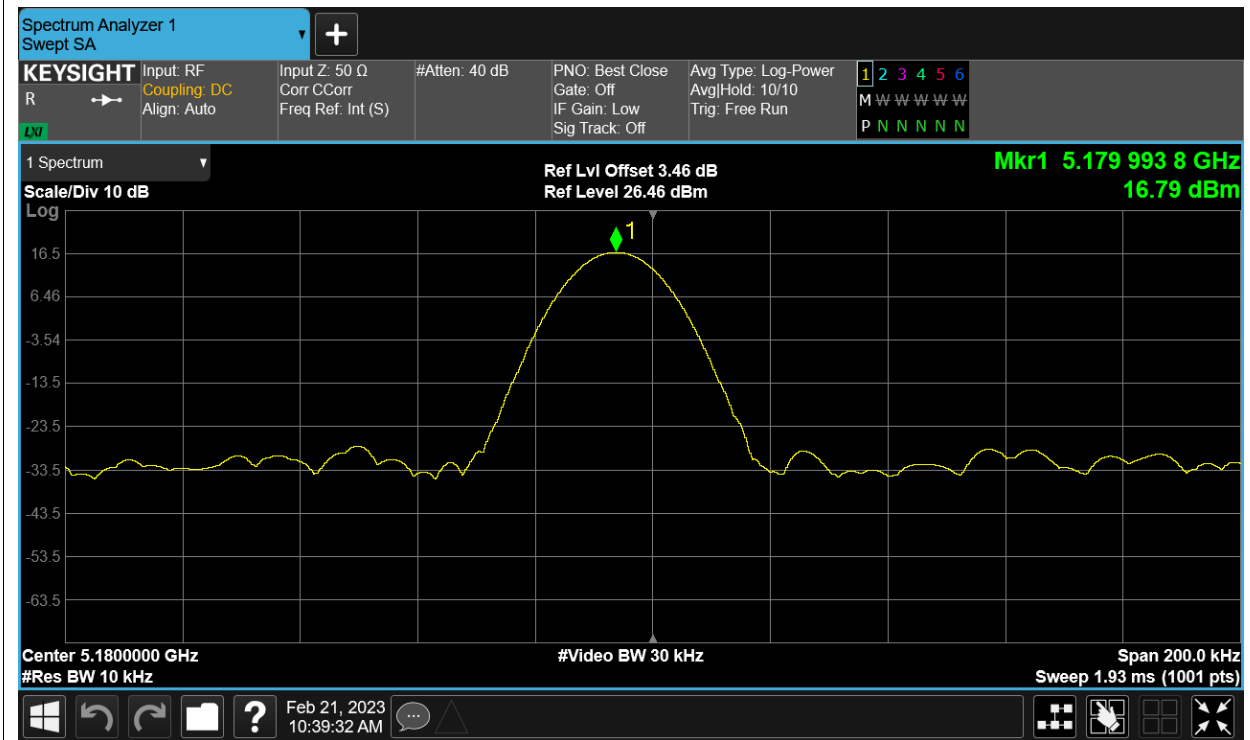
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant2	5179.9938	-1.2	Within authorized band	Pass
LVNT	a	5180	Ant2	5179.9938	-1.2		Pass
NVHT	a	5180	Ant2	5179.9938	-1.2		Pass
NVLT	a	5180	Ant2	5179.994	-1.16		Pass
NVNT	a	5180	Ant2	5179.994	-1.16		Pass
HVNT	ac80	5210	Ant2	5209.9924	-1.46		Pass
LVNT	ac80	5210	Ant2	5209.9926	-1.42		Pass
NVHT	ac80	5210	Ant2	5209.993	-1.34		Pass
NVLT	ac80	5210	Ant2	5209.9934	-1.27		Pass
NVNT	ac80	5210	Ant2	5209.9941	-1.13		Pass
HVNT	n40	5190	Ant2	5189.9934	-1.27		Pass
LVNT	n40	5190	Ant2	5189.9936	-1.23		Pass
NVHT	n40	5190	Ant2	5189.9936	-1.23		Pass
NVLT	n40	5190	Ant2	5189.9938	-1.19		Pass
NVNT	n40	5190	Ant2	5189.9938	-1.19		Pass

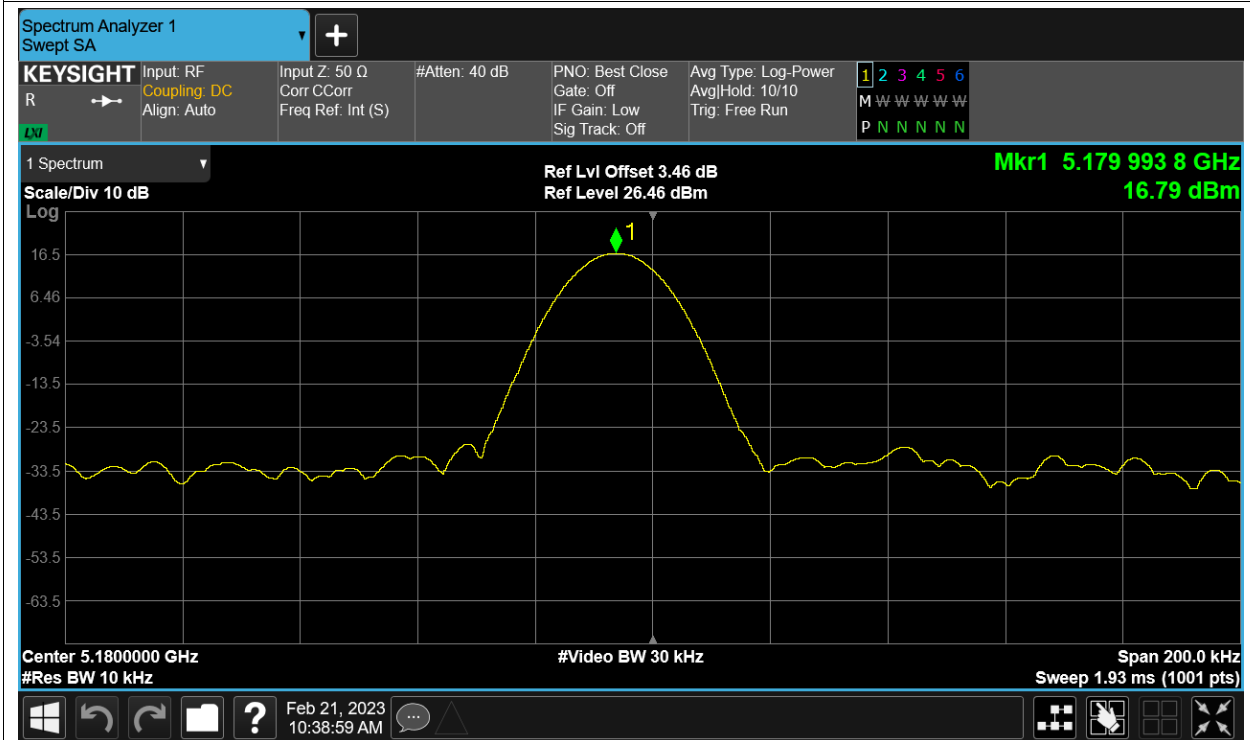
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

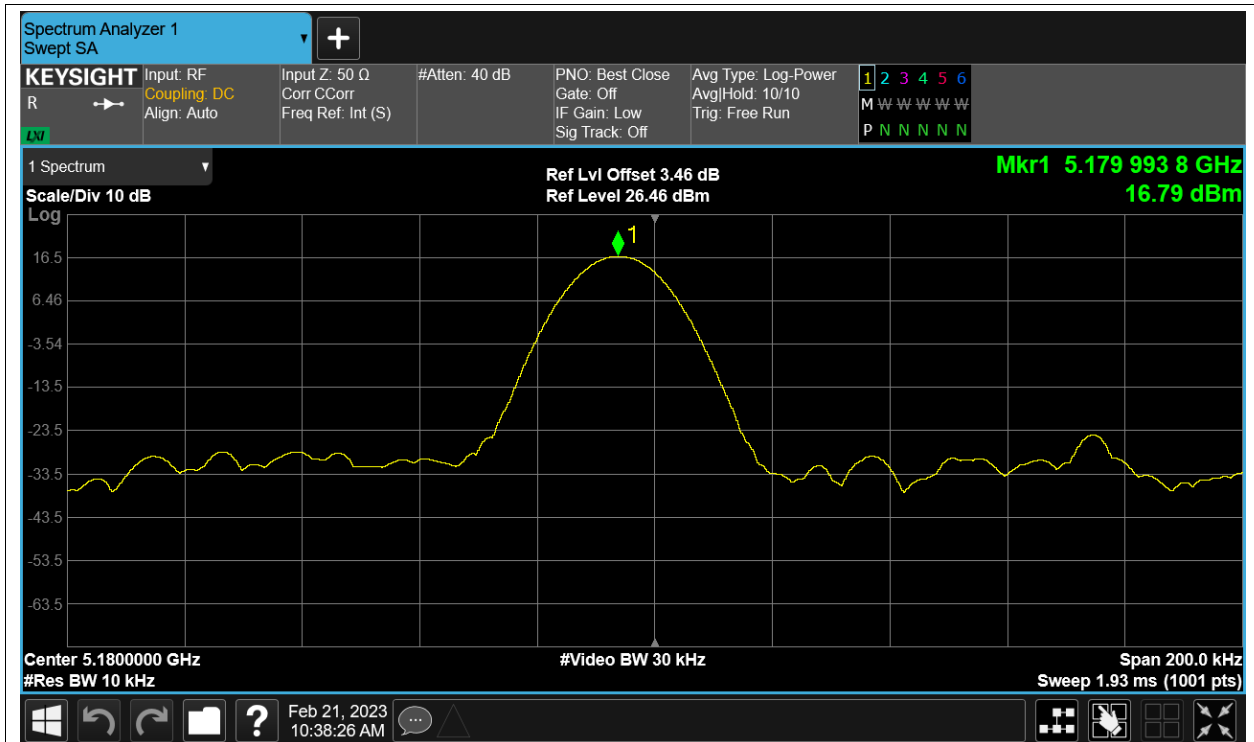
Freq. Stability HVNT a 5180MHz Ant2



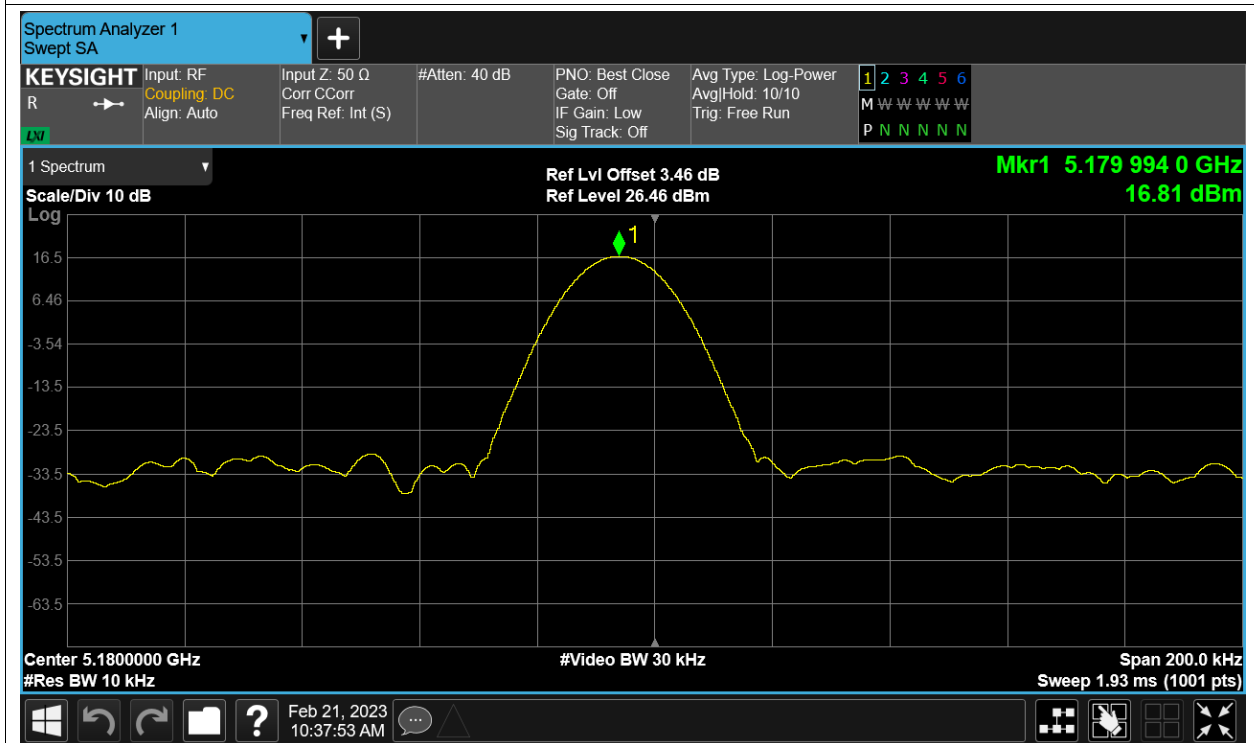
Freq. Stability LVNT a 5180MHz Ant2



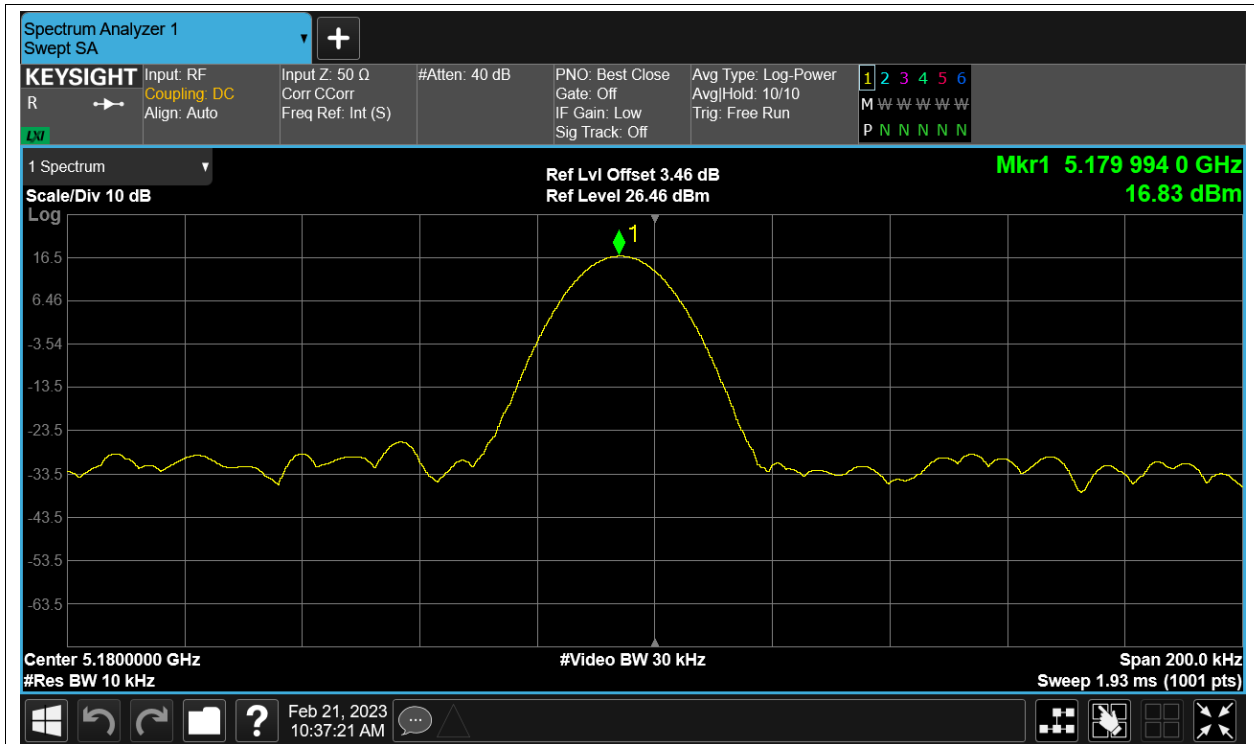
Freq. Stability NVHT a 5180MHz Ant2



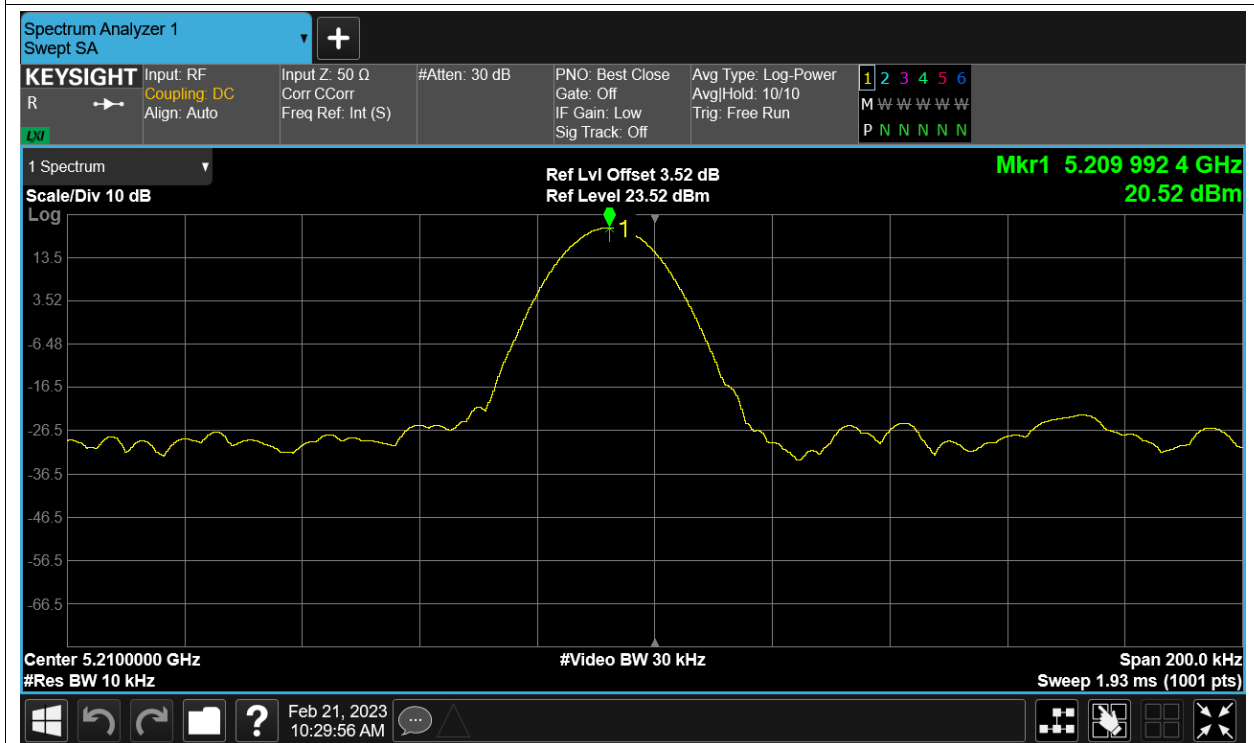
Freq. Stability NVLT a 5180MHz Ant2



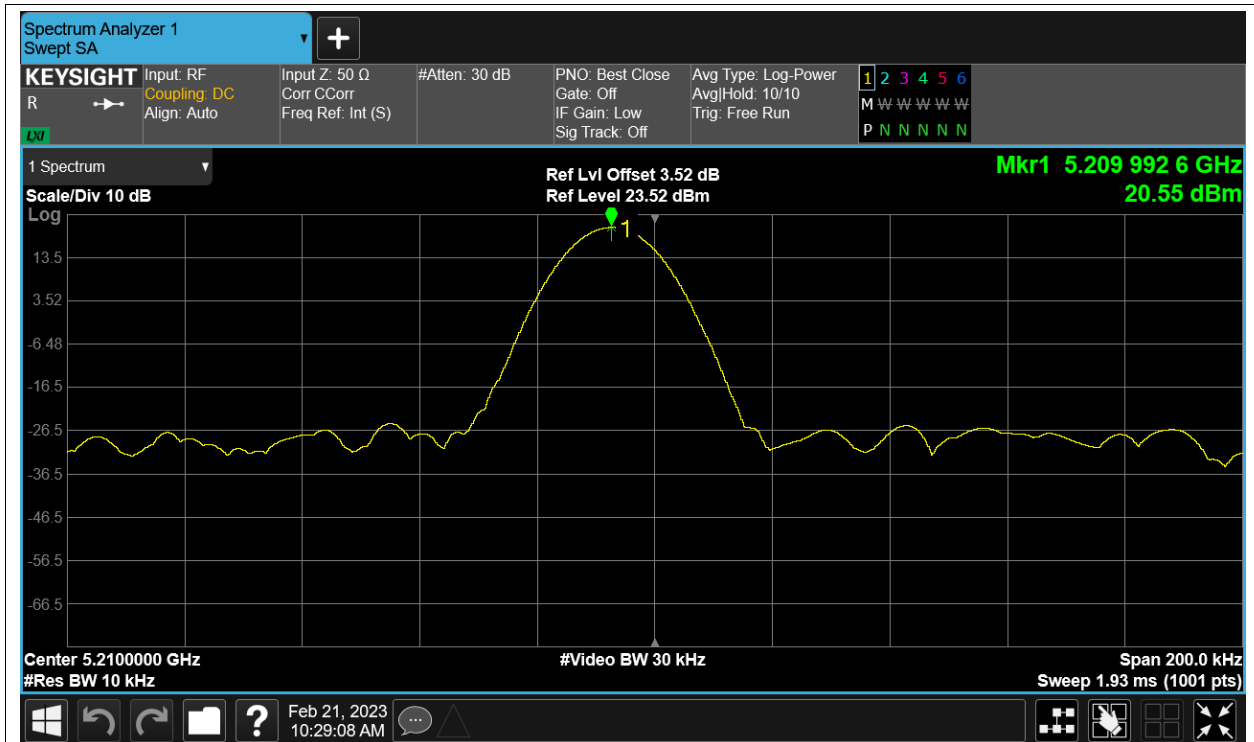
Freq. Stability NVNT a 5180MHz Ant2



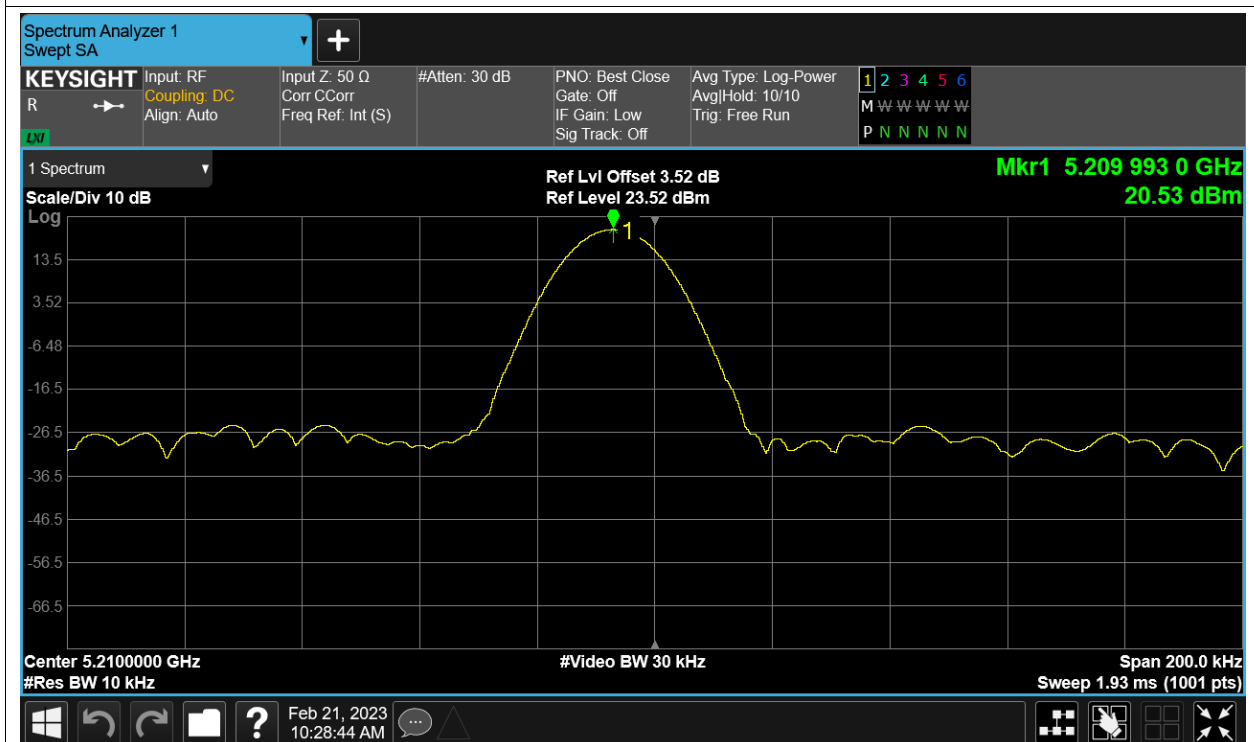
Freq. Stability HVNT ac80 5210MHz Ant2



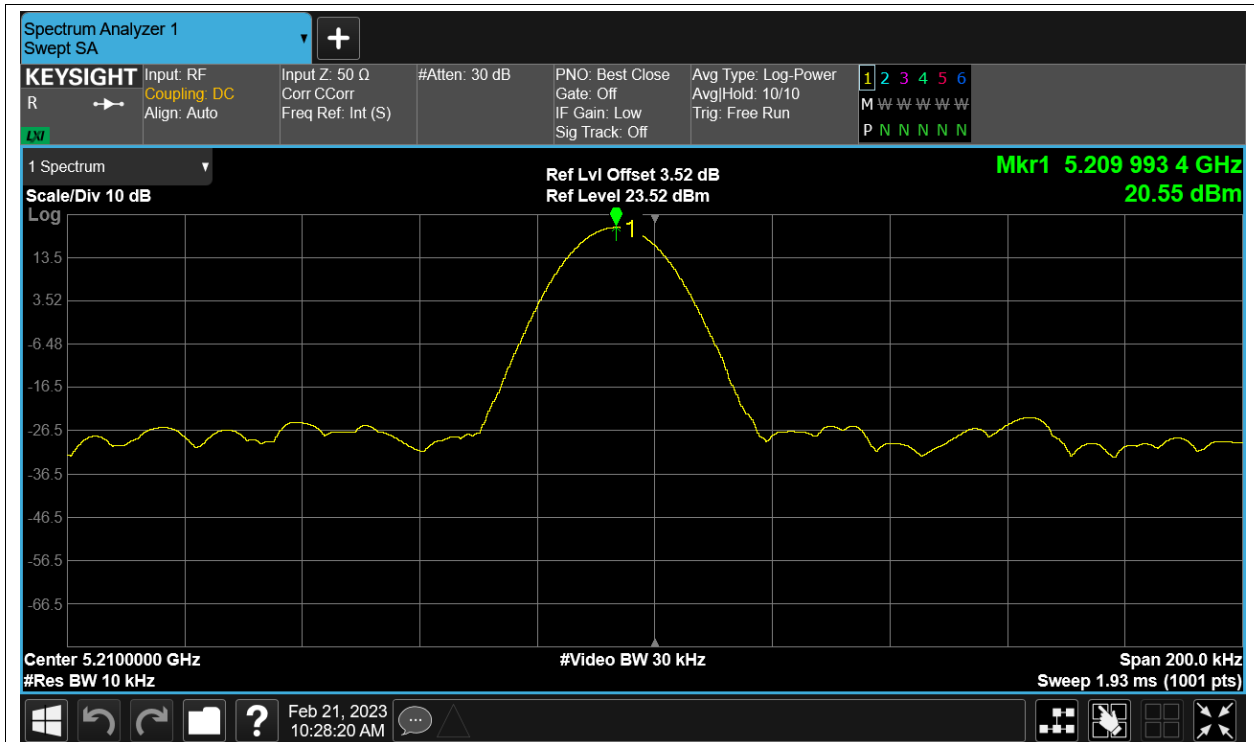
Freq. Stability LVNT ac80 5210MHz Ant2



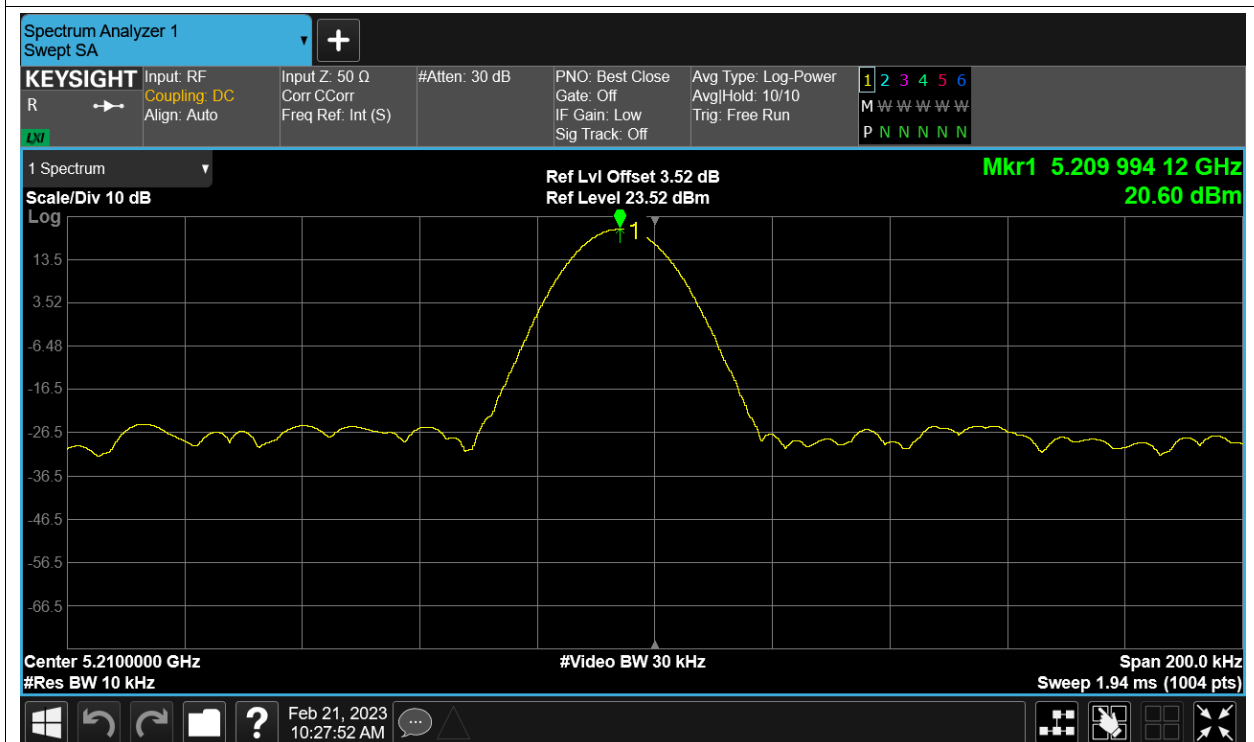
Freq. Stability NVHT ac80 5210MHz Ant2



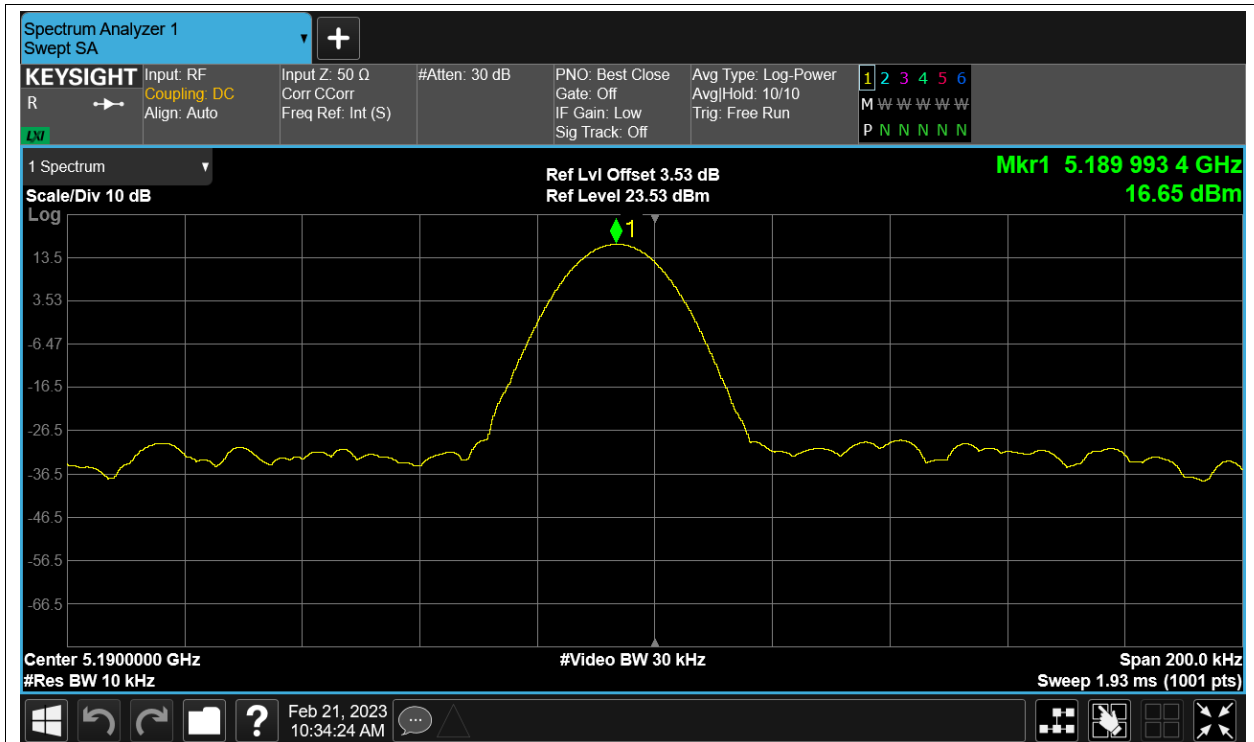
Freq. Stability NVLT ac80 5210MHz Ant2



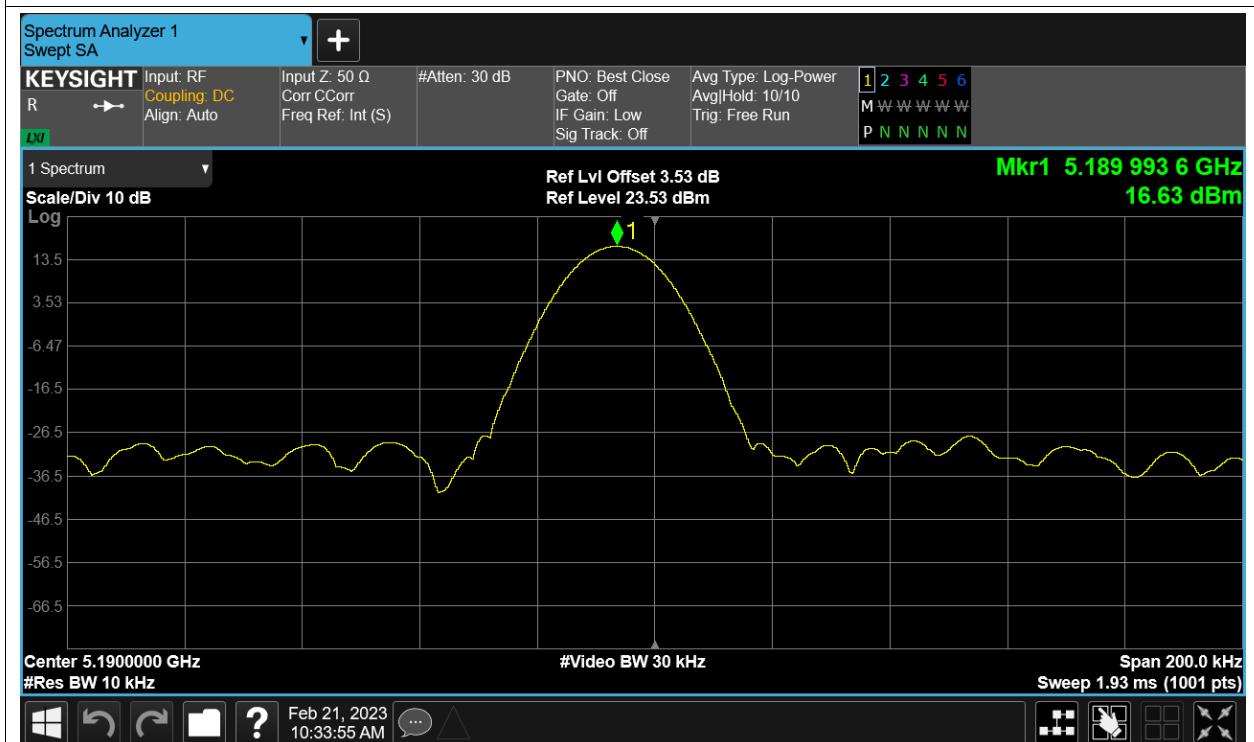
Freq. Stability NVNT ac80 5210MHz Ant2



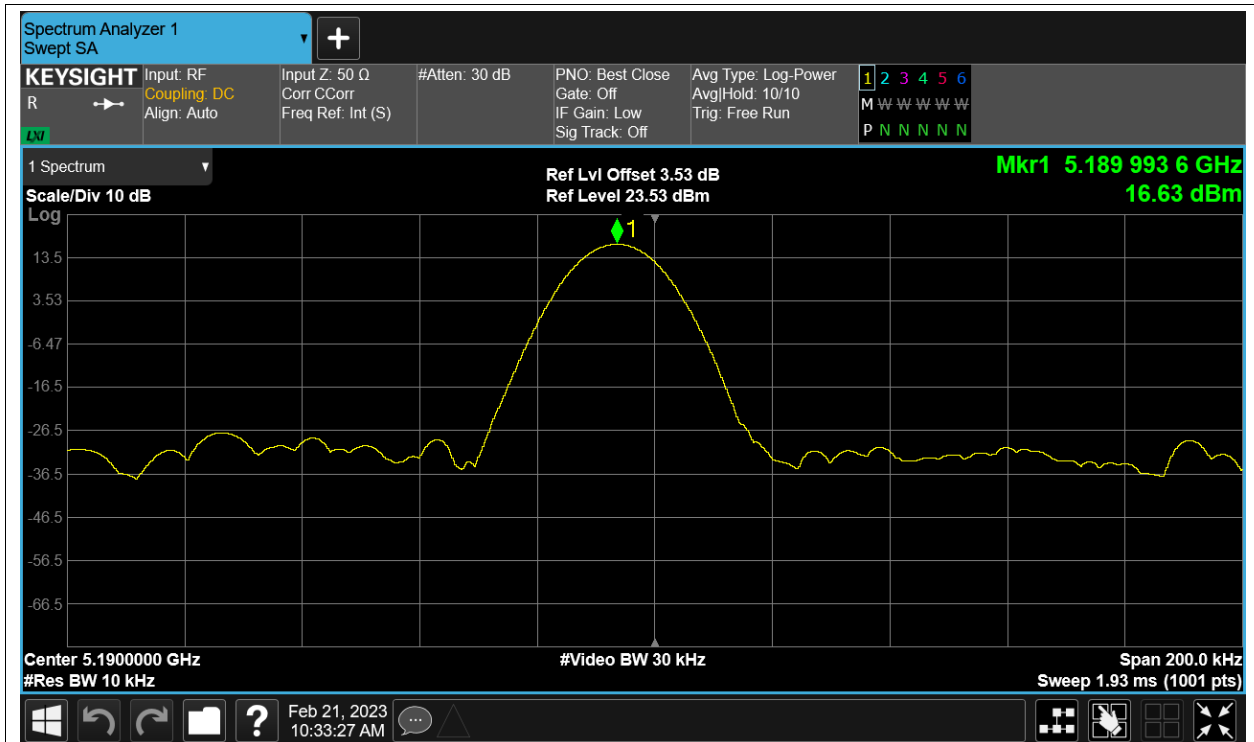
Freq. Stability HVNT n40 5190MHz Ant2



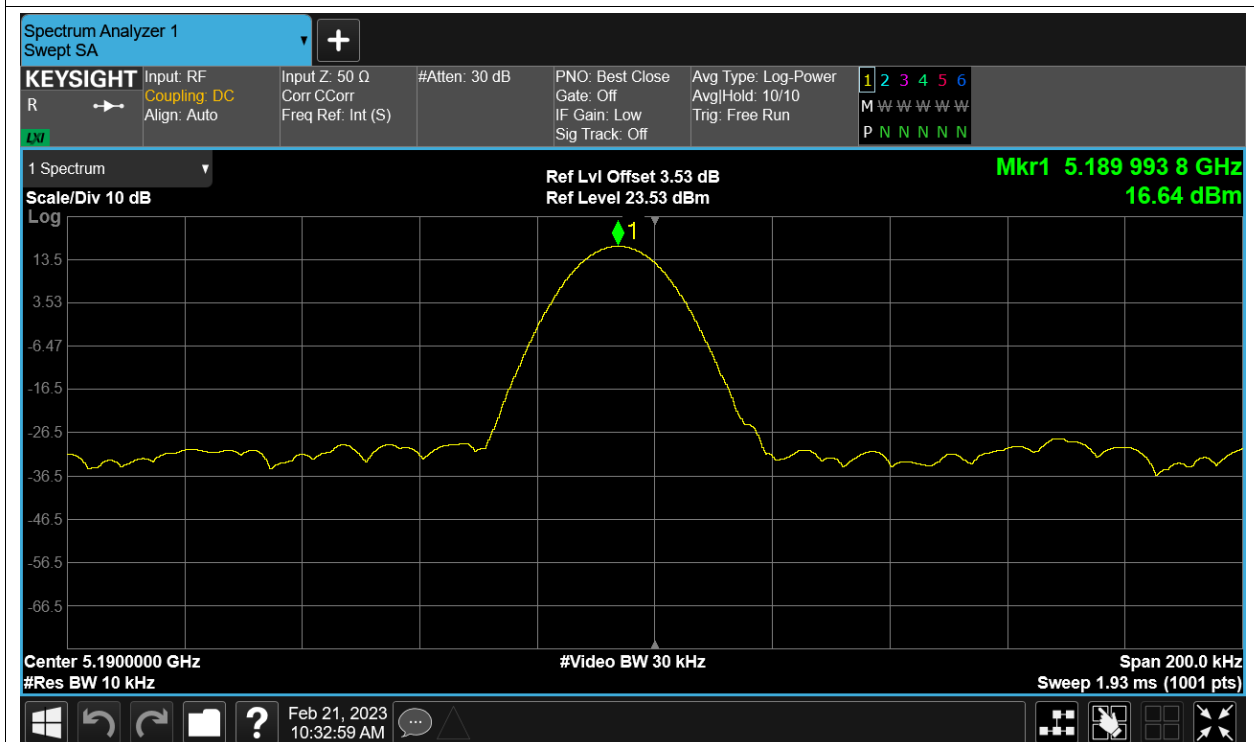
Freq. Stability LVNT n40 5190MHz Ant2



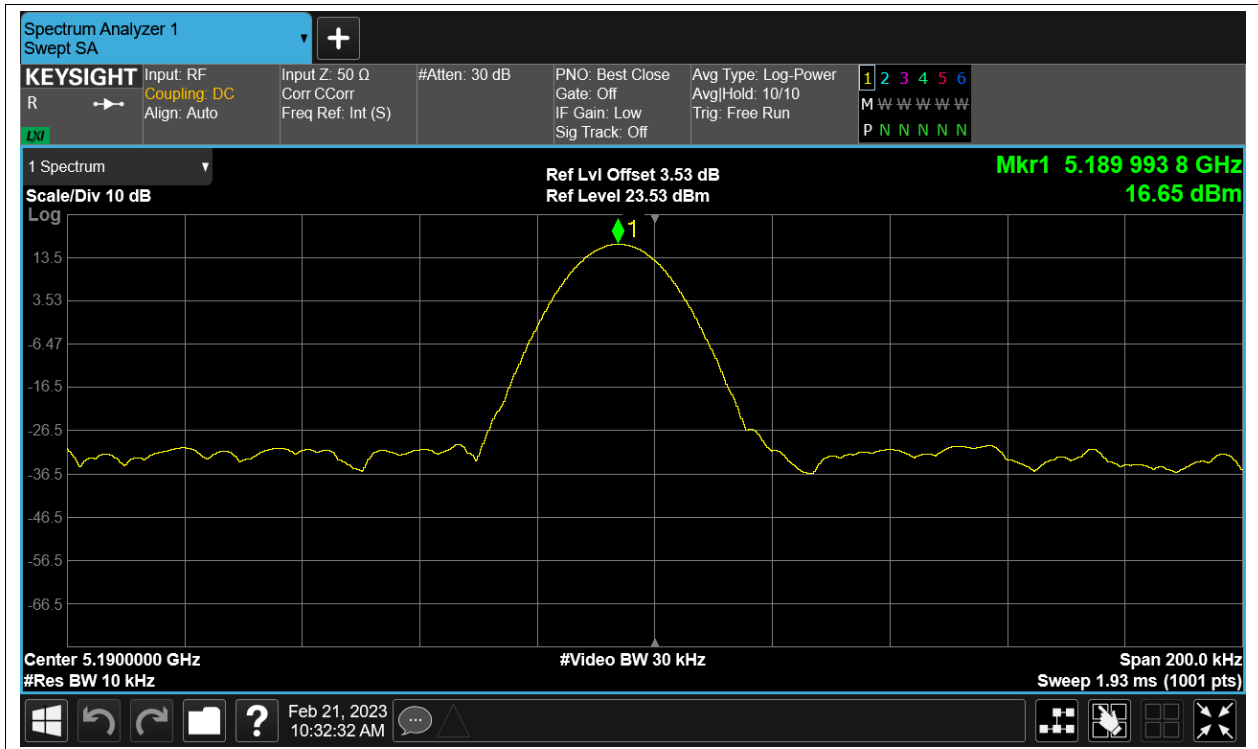
Freq. Stability NVHT n40 5190MHz Ant2



Freq. Stability NVLT n40 5190MHz Ant2



Freq. Stability NVNT n40 5190MHz Ant2

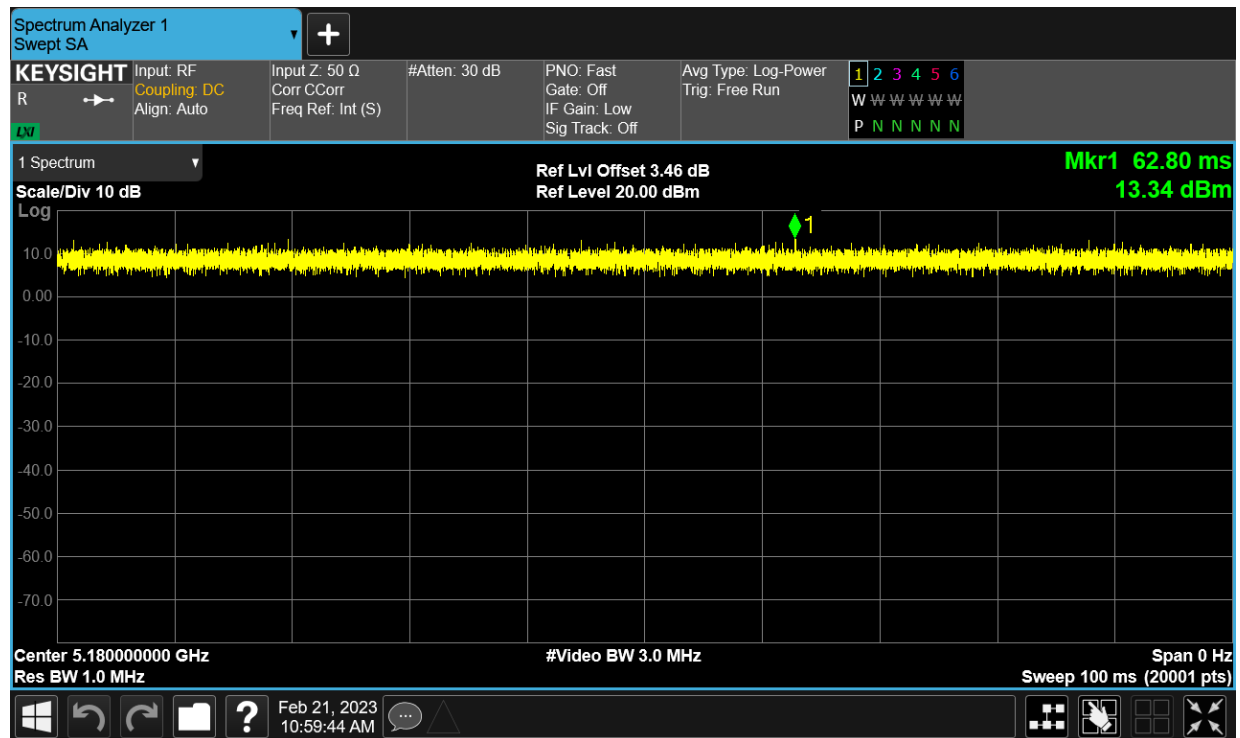


Duty Cycle

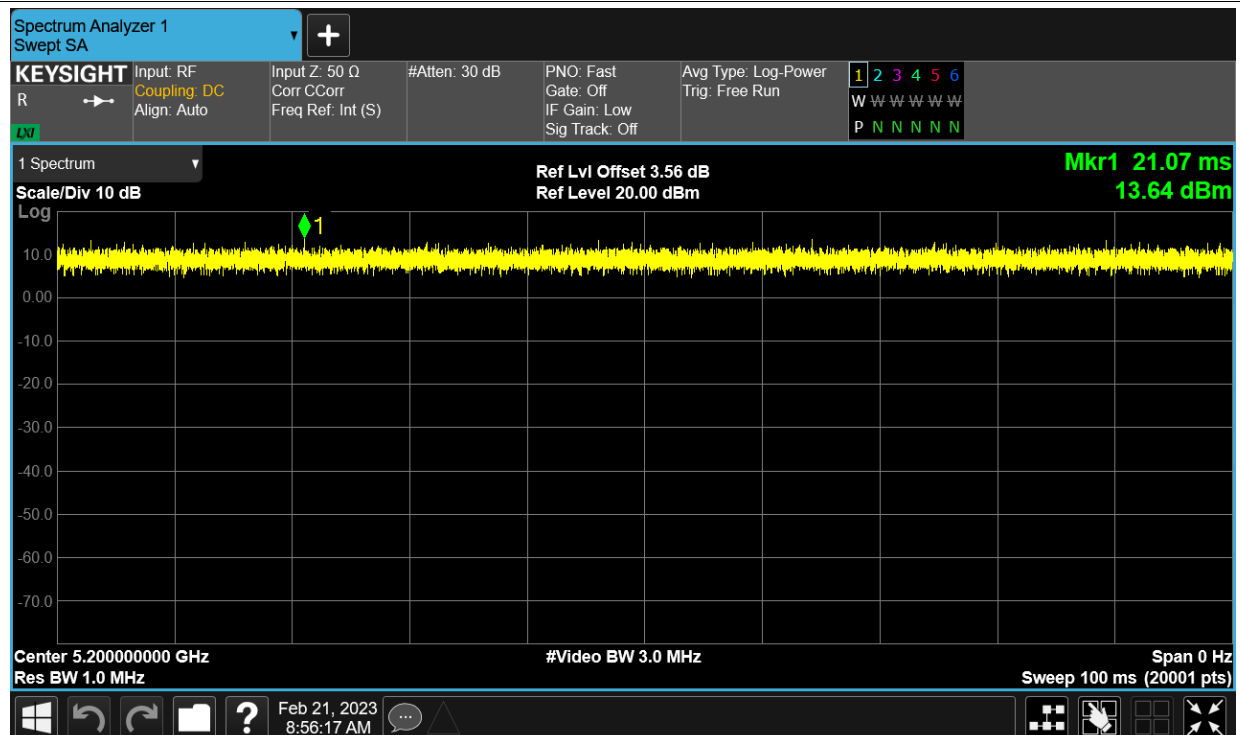
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant2	100	0
NVNT	a	5200	Ant2	100	0
NVNT	a	5240	Ant2	100	0
NVNT	ac20	5180	Ant2	100	0
NVNT	ac20	5200	Ant2	100	0
NVNT	ac20	5240	Ant2	100	0
NVNT	ac40	5190	Ant2	100	0
NVNT	ac40	5230	Ant2	100	0
NVNT	ac80	5210	Ant2	100	0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

Test Graphs

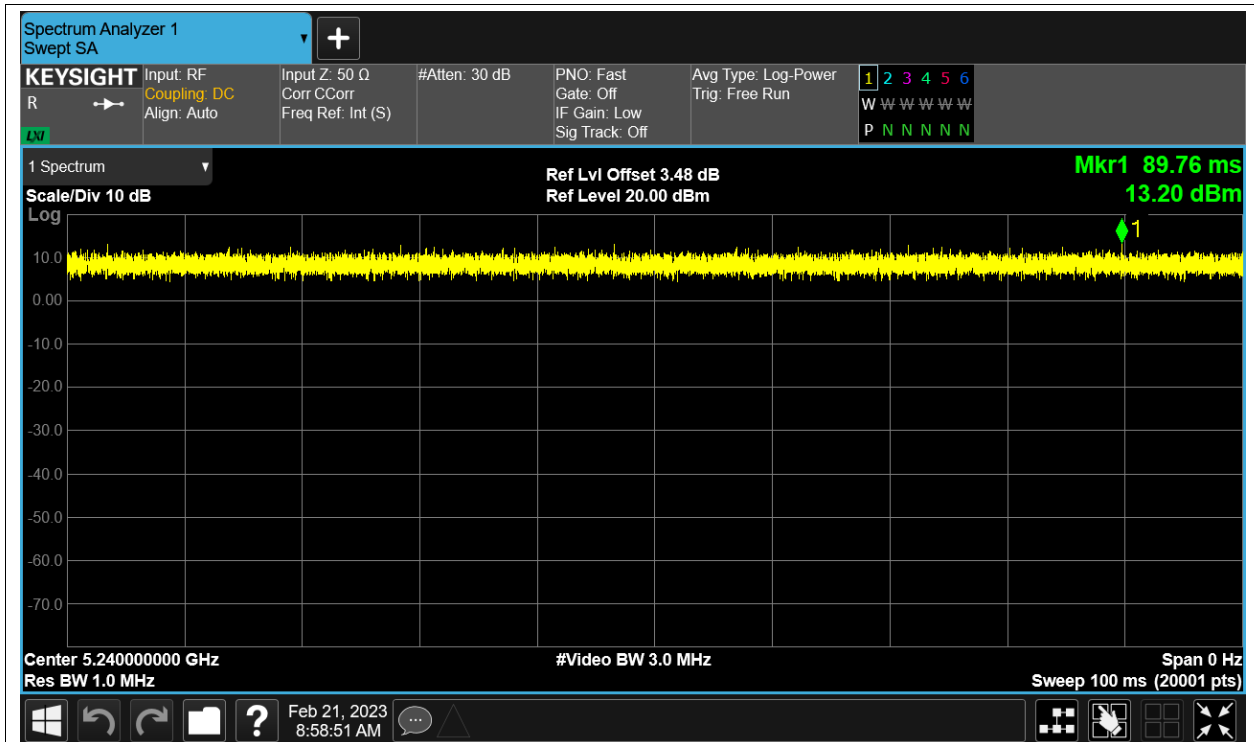
Duty Cycle NVNT a 5180MHz Ant2



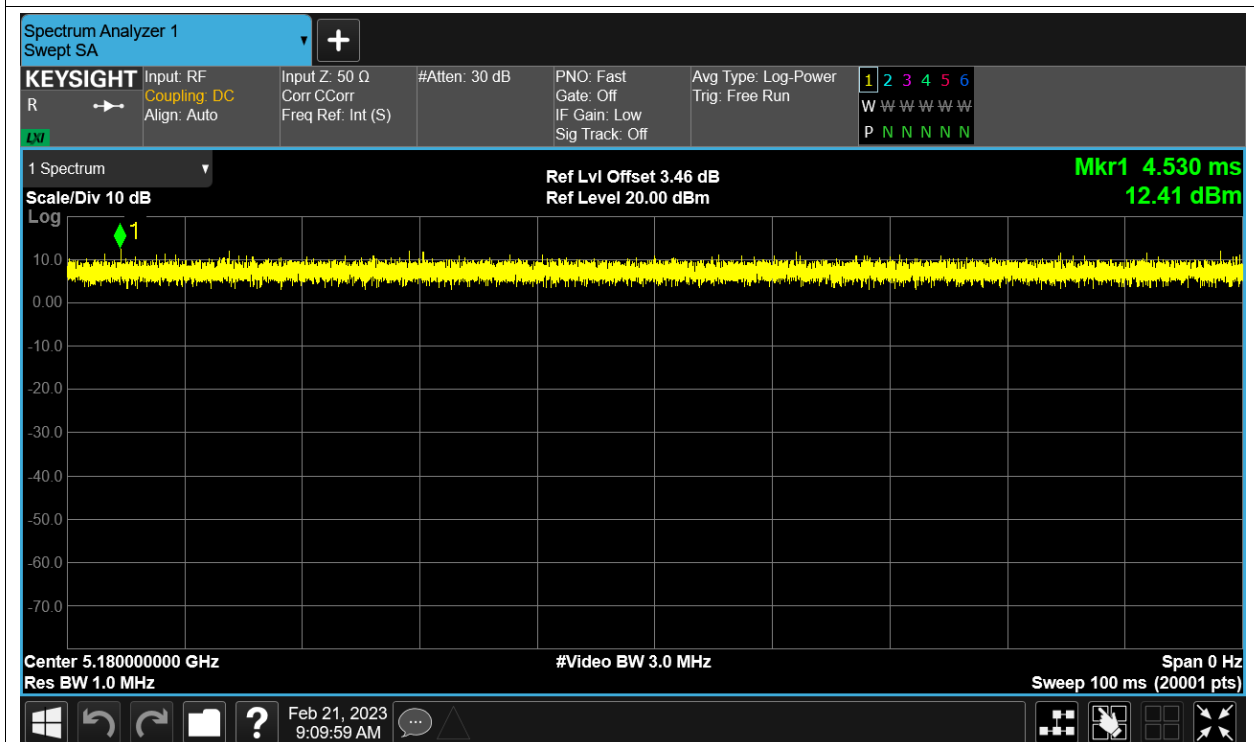
Duty Cycle NVNT a 5200MHz Ant2



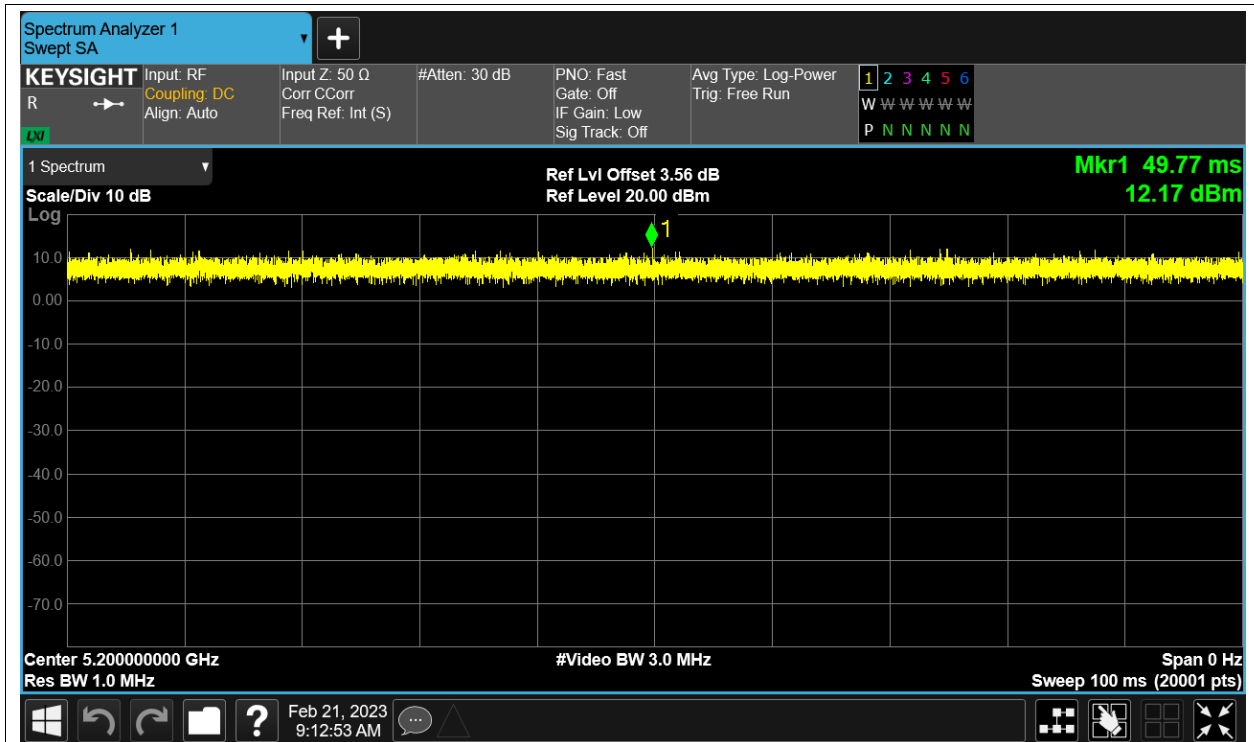
Duty Cycle NVNT a 5240MHz Ant2



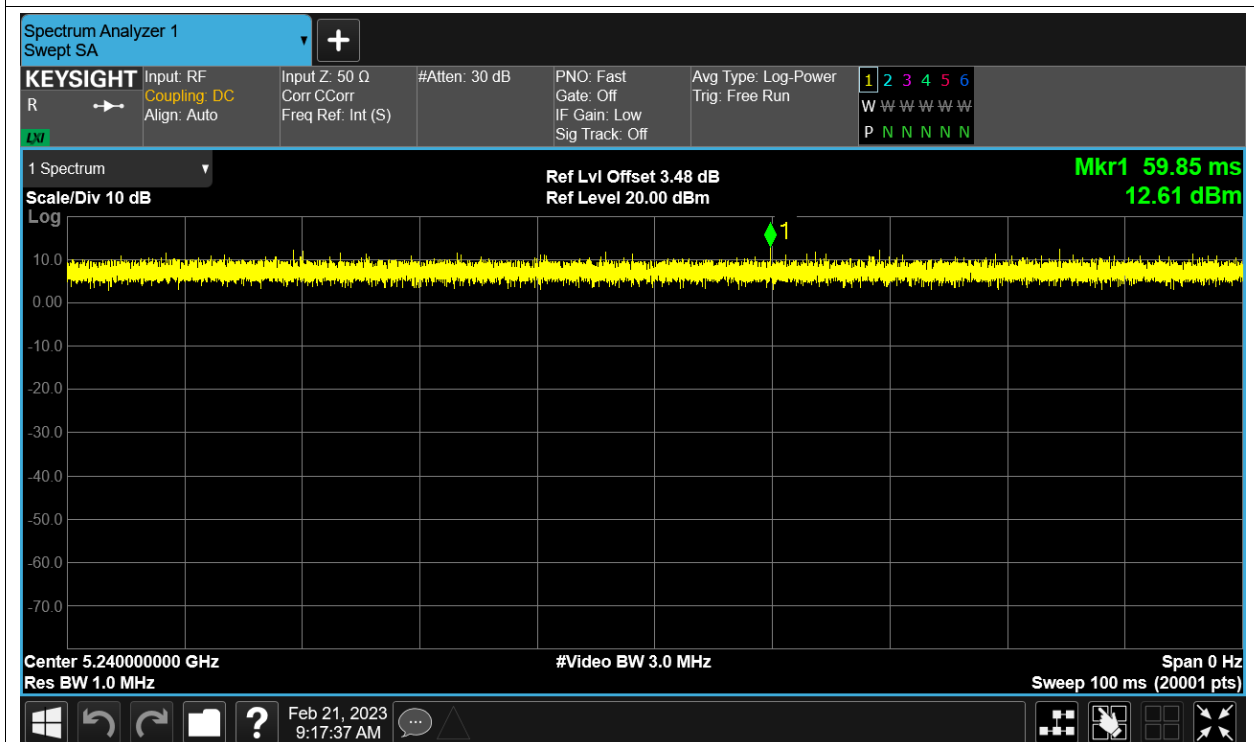
Duty Cycle NVNT ac20 5180MHz Ant2



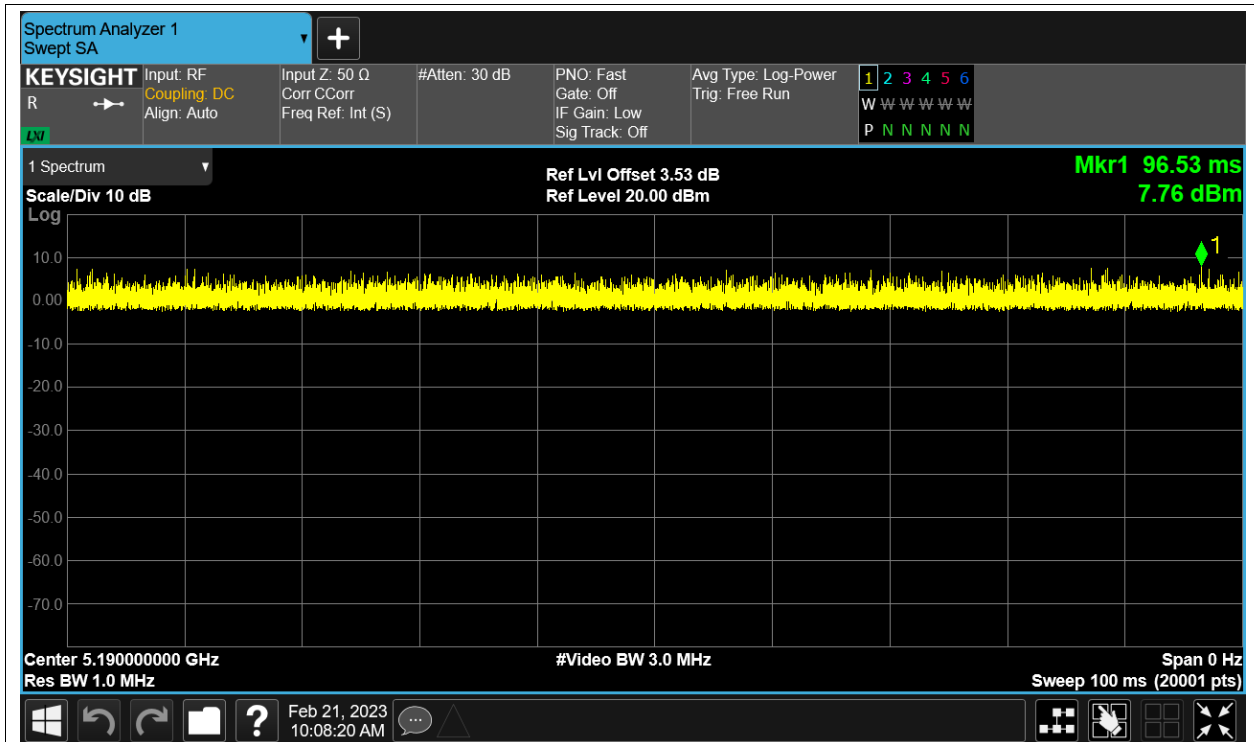
Duty Cycle NVNT ac20 5200MHz Ant2



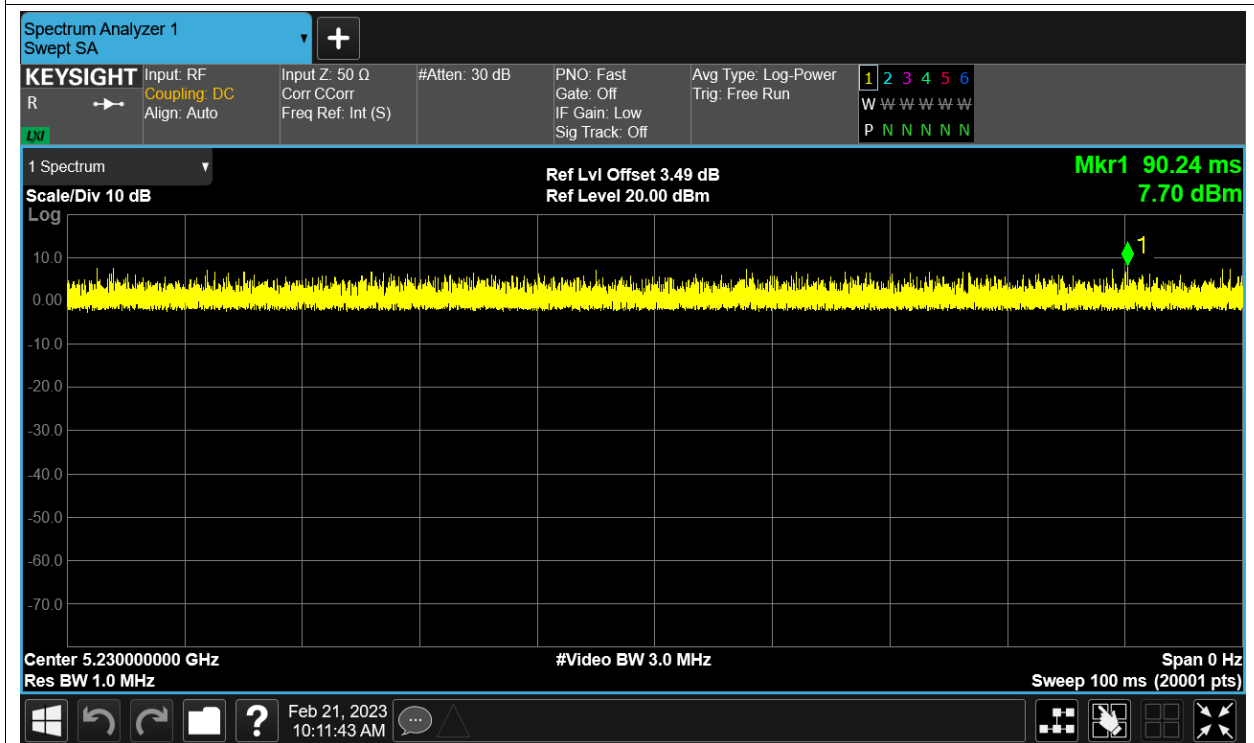
Duty Cycle NVNT ac20 5240MHz Ant2



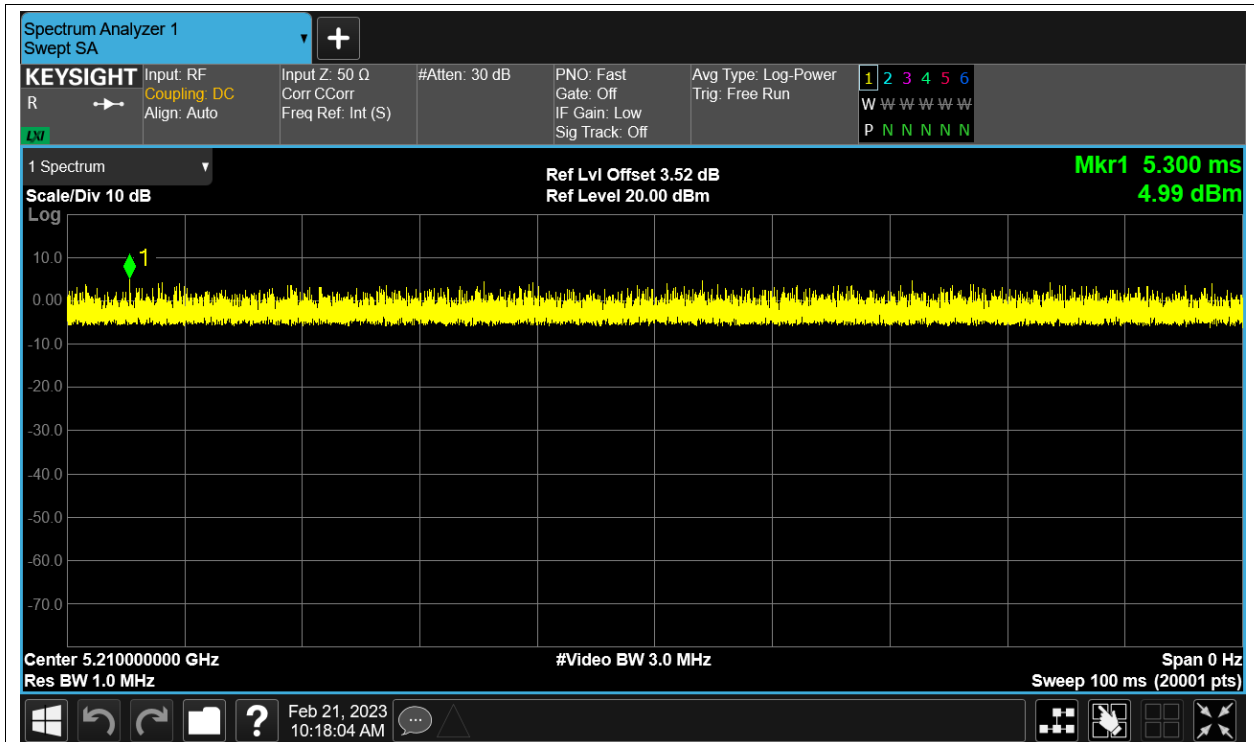
Duty Cycle NVNT ac40 5190MHz Ant2



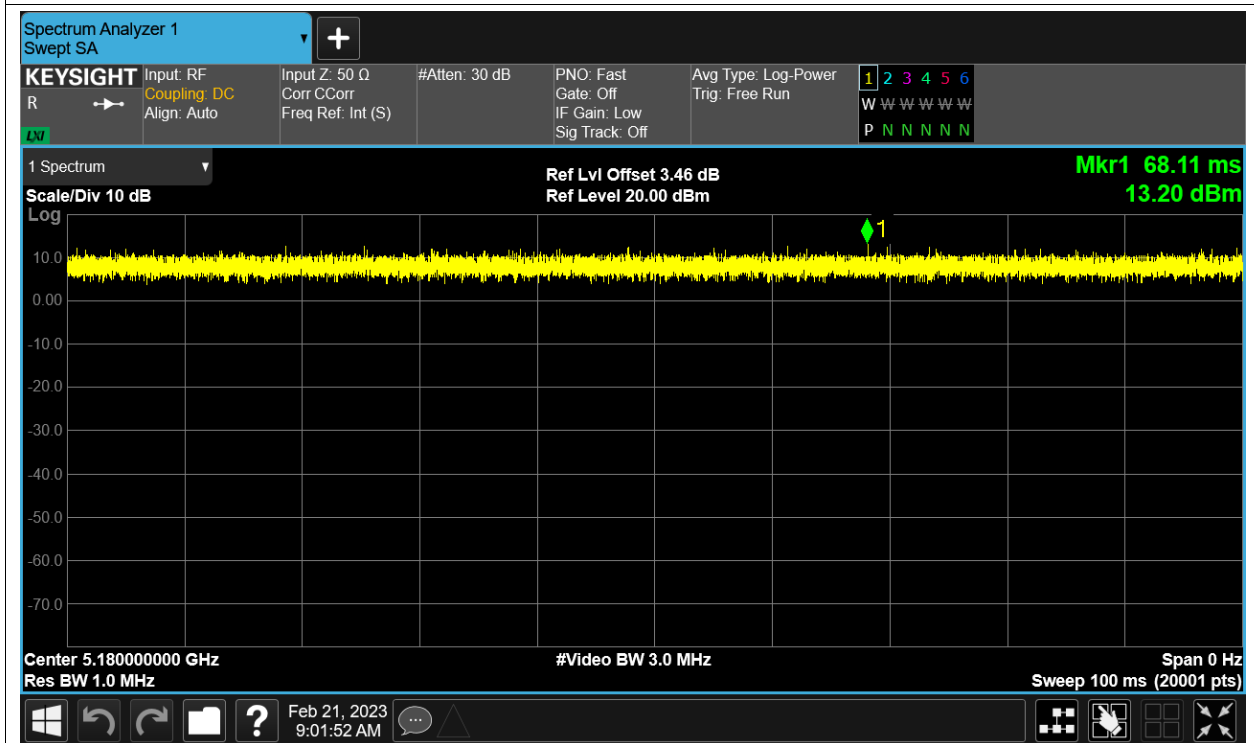
Duty Cycle NVNT ac40 5230MHz Ant2



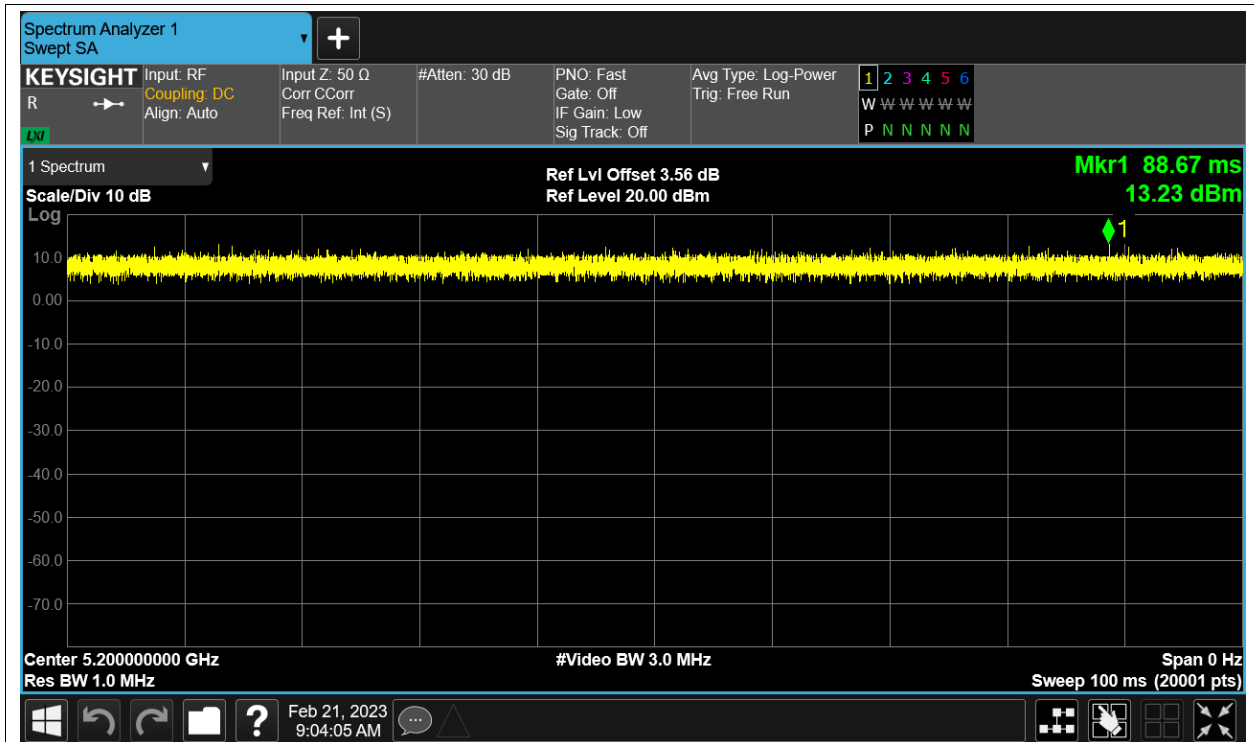
Duty Cycle NVNT ac80 5210MHz Ant2



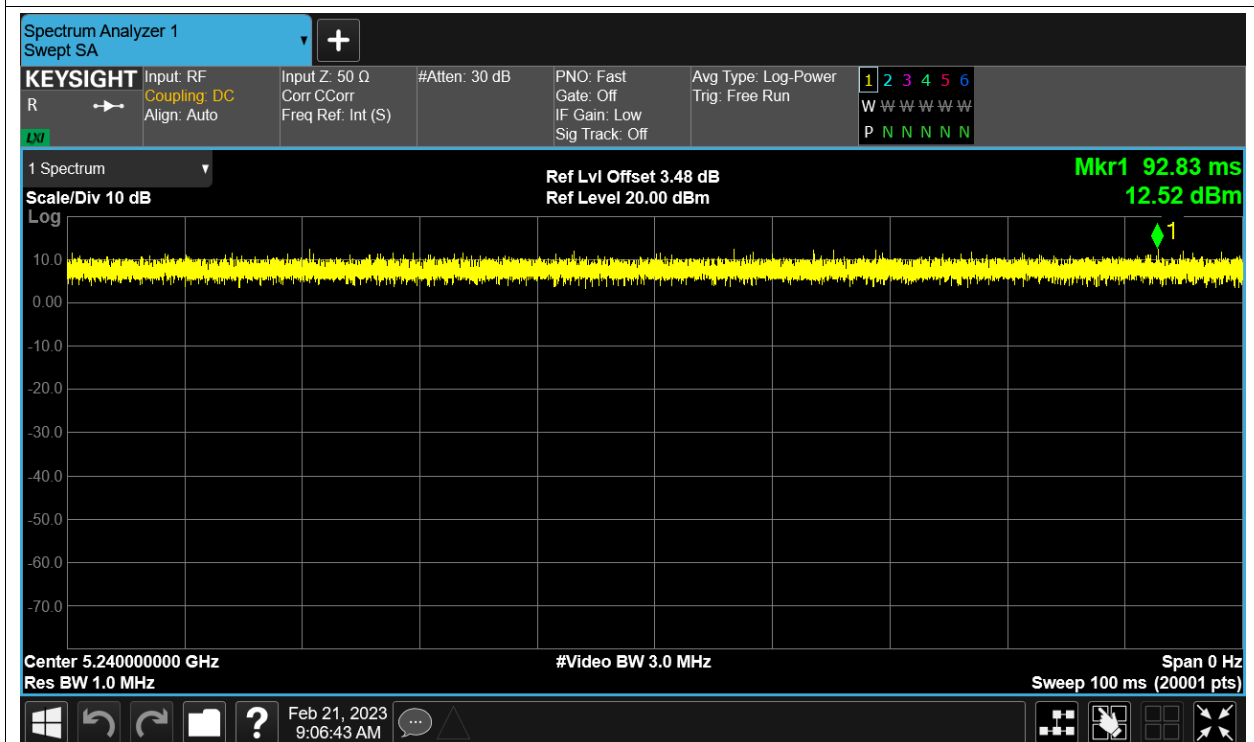
Duty Cycle NVNT n20 5180MHz Ant2



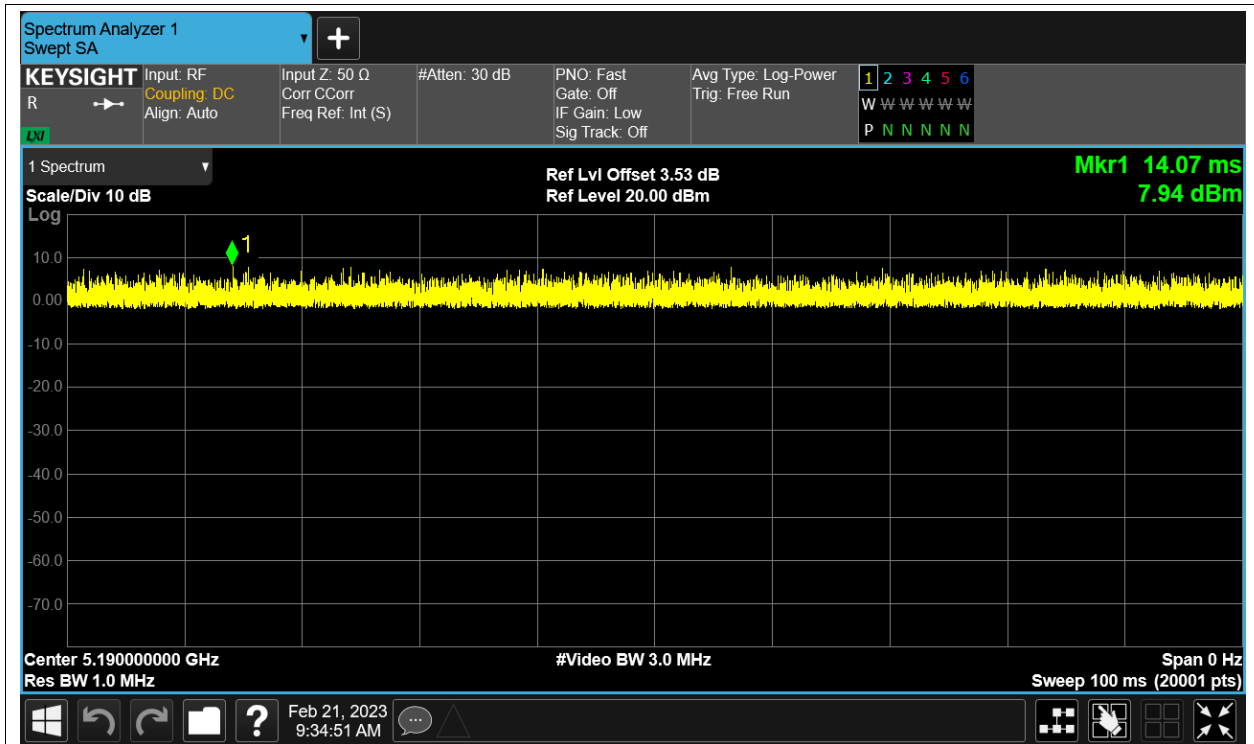
Duty Cycle NVNT n20 5200MHz Ant2



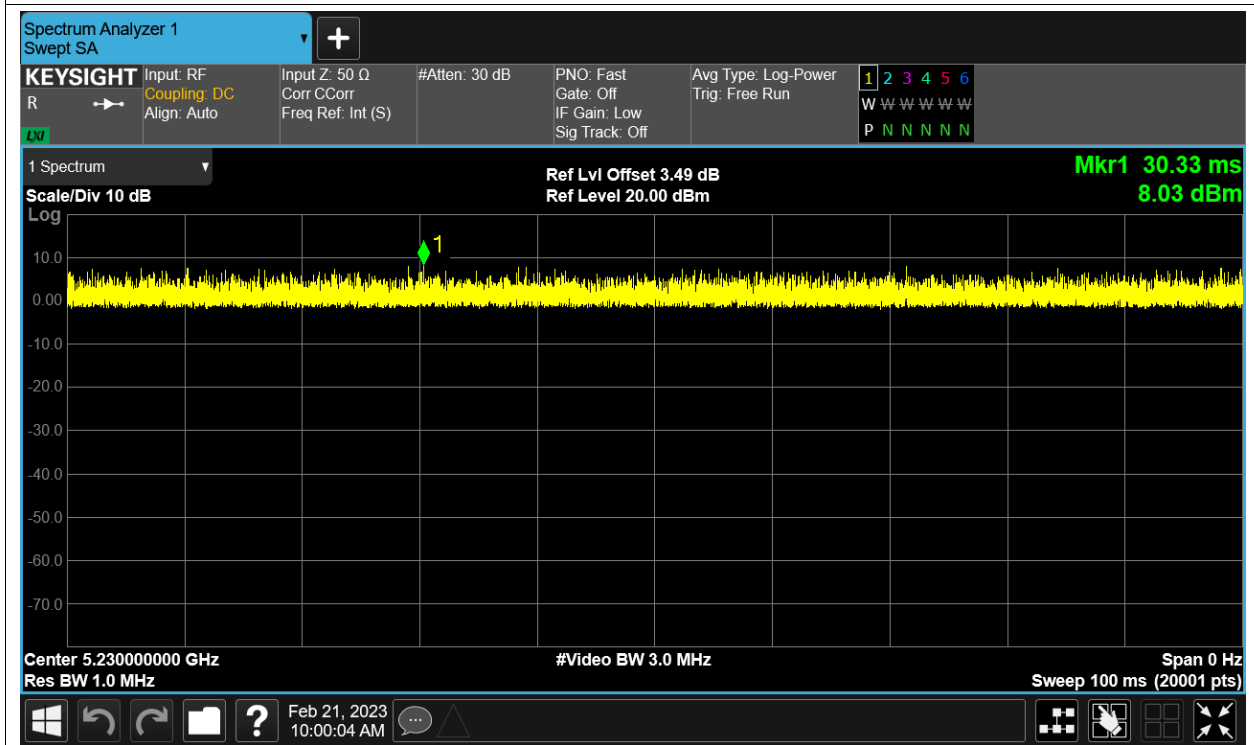
Duty Cycle NVNT n20 5240MHz Ant2



Duty Cycle NVNT n40 5190MHz Ant2



Duty Cycle NVNT n40 5230MHz Ant2



Maximum Conducted Output Power

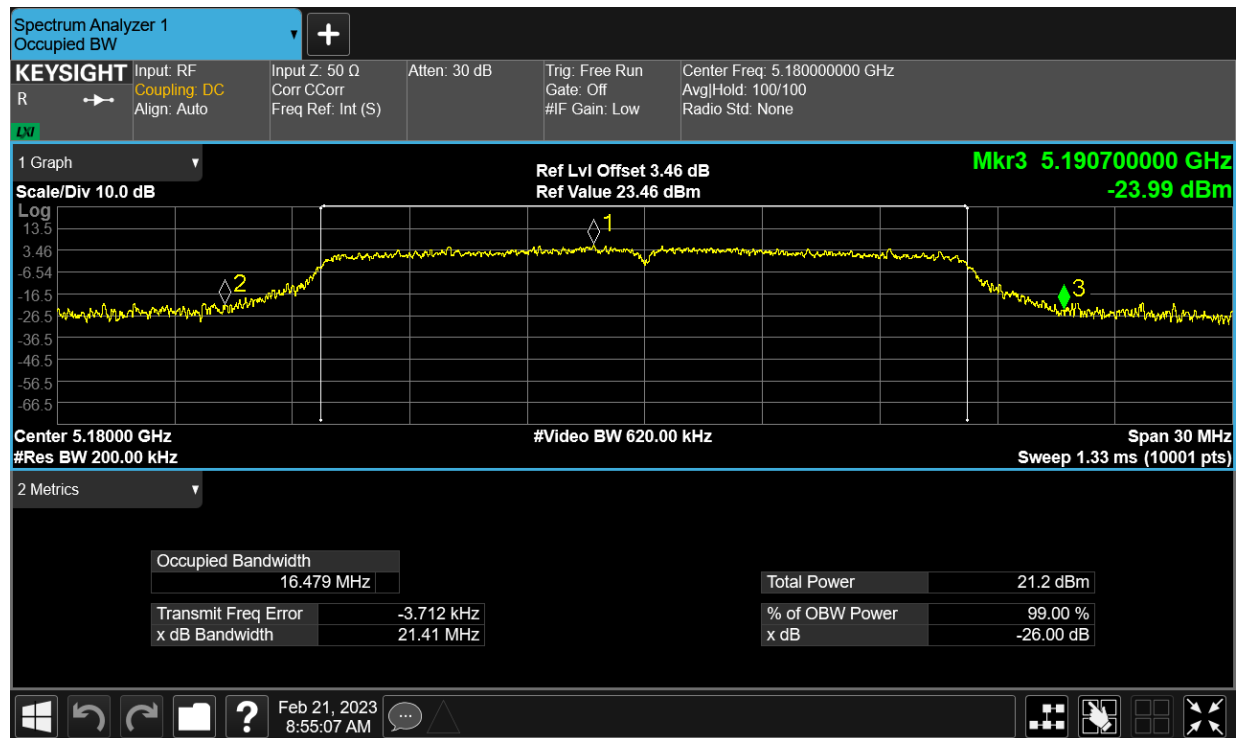
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	15.92	0	15.92	24	Pass
NVNT	a	5200	Ant2	15.4	0	15.4	24	Pass
NVNT	a	5240	Ant2	15.49	0	15.49	24	Pass
NVNT	ac20	5180	Ant2	15.31	0	15.31	24	Pass
NVNT	ac20	5200	Ant2	14.73	0	14.73	24	Pass
NVNT	ac20	5240	Ant2	14.98	0	14.98	24	Pass
NVNT	ac40	5190	Ant2	15.21	0	15.21	24	Pass
NVNT	ac40	5230	Ant2	14.77	0	14.77	24	Pass
NVNT	ac80	5210	Ant2	14.22	0	14.22	24	Pass
NVNT	n20	5180	Ant2	15.75	0	15.75	24	Pass
NVNT	n20	5200	Ant2	15.28	0	15.28	24	Pass
NVNT	n20	5240	Ant2	15.38	0	15.38	24	Pass
NVNT	n40	5190	Ant2	14.58	0	14.58	24	Pass
NVNT	n40	5230	Ant2	14.17	0	14.17	24	Pass

-26dB Bandwidth

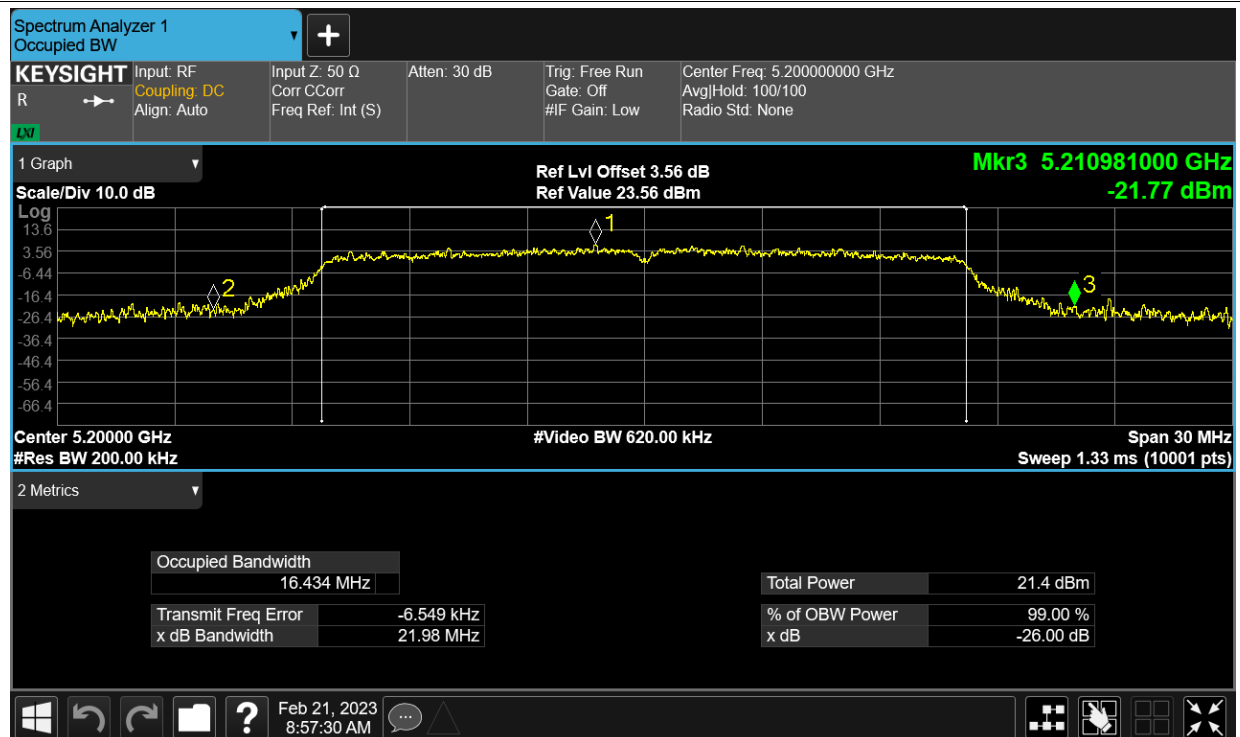
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant2	21.407
NVNT	a	5200	Ant2	21.975
NVNT	a	5240	Ant2	22.041
NVNT	ac20	5180	Ant2	19.909
NVNT	ac20	5200	Ant2	20.183
NVNT	ac20	5240	Ant2	20.265
NVNT	ac40	5190	Ant2	39.849
NVNT	ac40	5230	Ant2	39.086
NVNT	ac80	5210	Ant2	78.759
NVNT	n20	5180	Ant2	21.618
NVNT	n20	5200	Ant2	20.328
NVNT	n20	5240	Ant2	22.781
NVNT	n40	5190	Ant2	39.887
NVNT	n40	5230	Ant2	40.856

Test Graphs

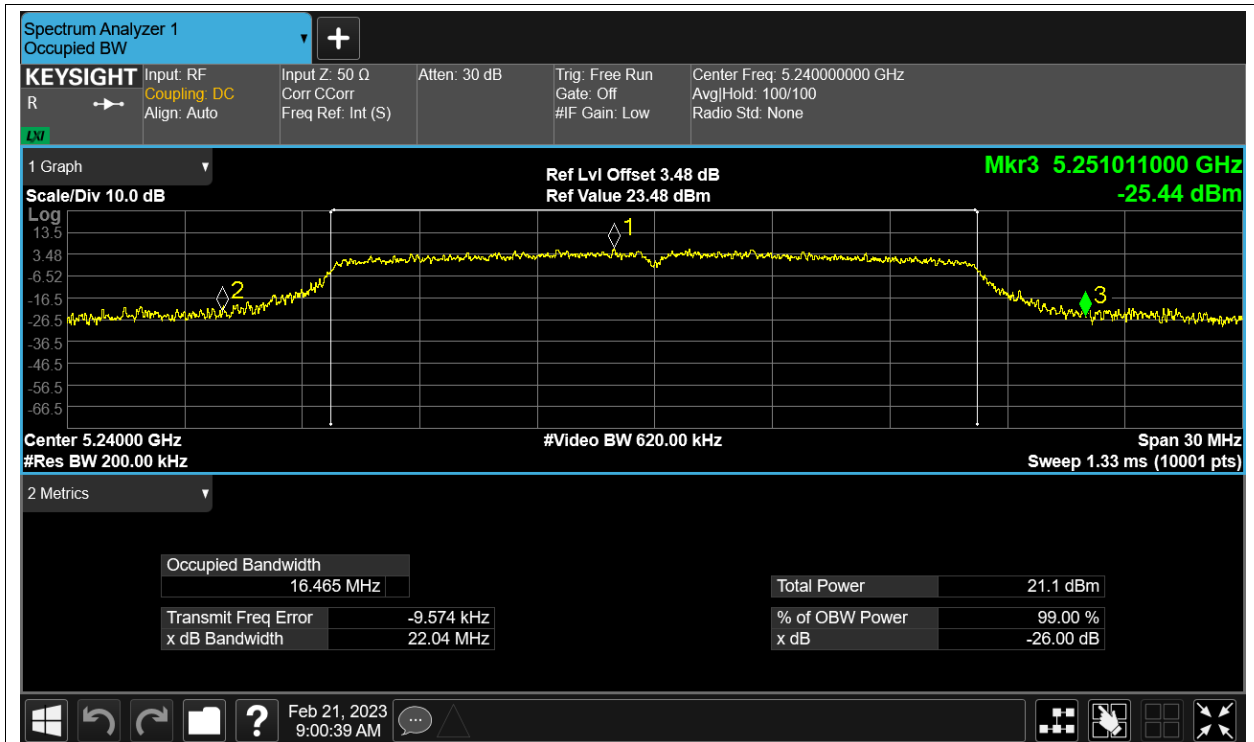
-26dB Bandwidth NVNT a 5180MHz Ant2



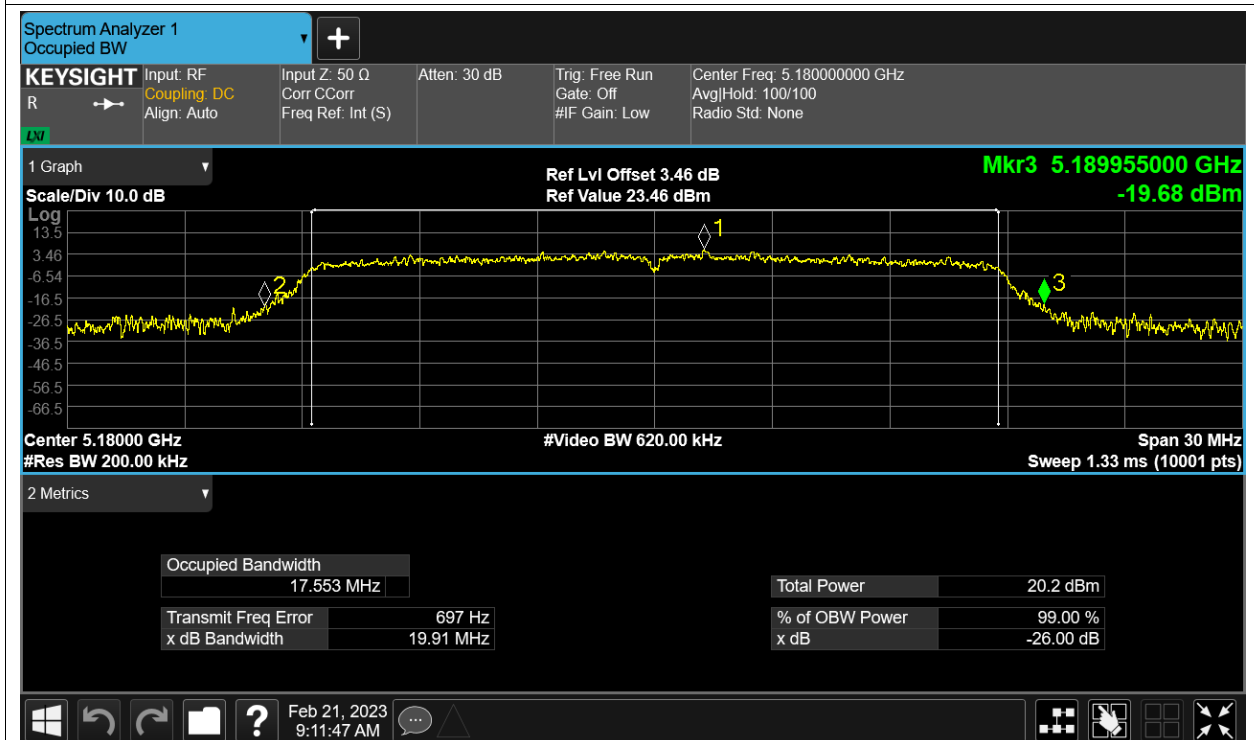
-26dB Bandwidth NVNT a 5200MHz Ant2



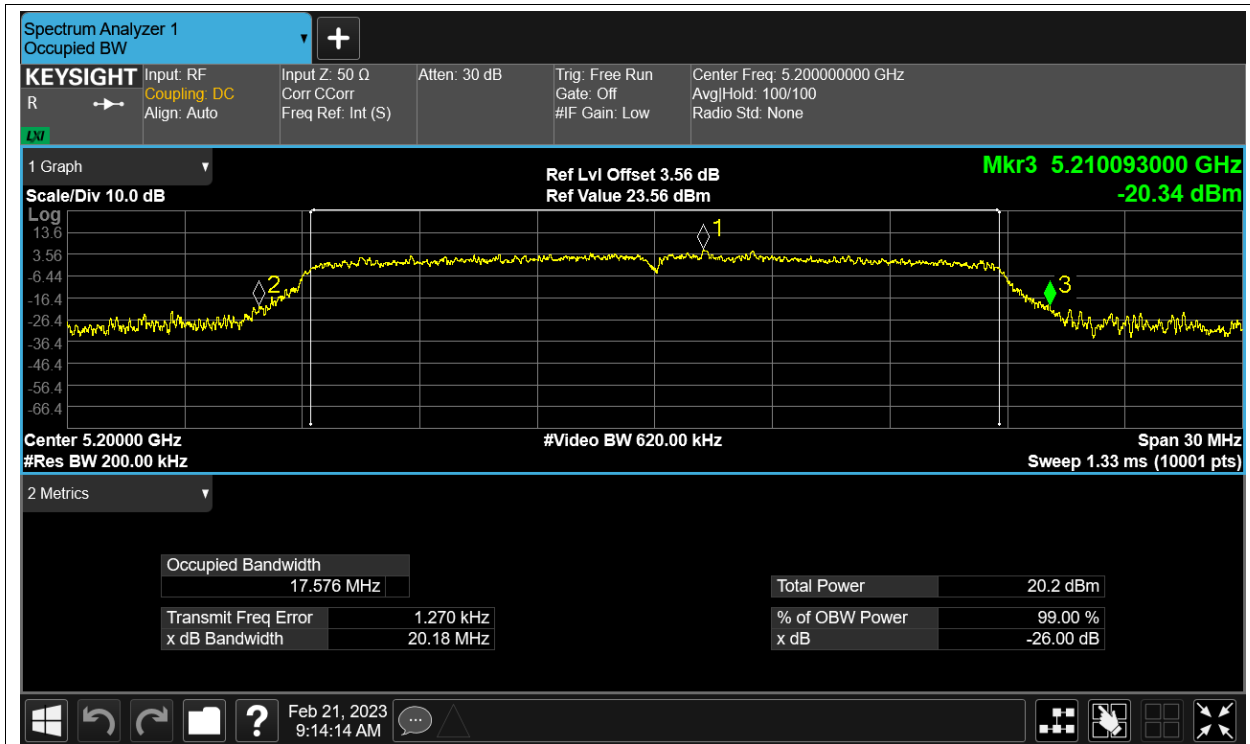
-26dB Bandwidth NVNT a 5240MHz Ant2



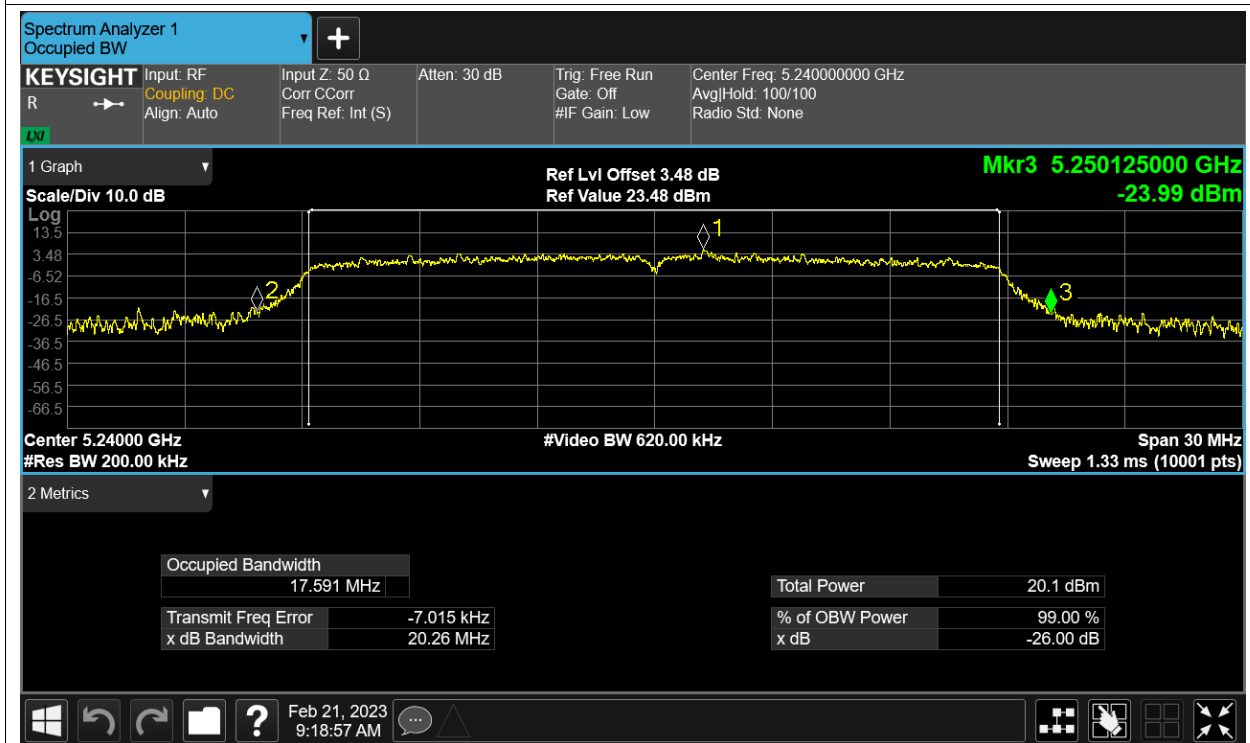
-26dB Bandwidth NVNT ac20 5180MHz Ant2



-26dB Bandwidth NVNT ac20 5200MHz Ant2



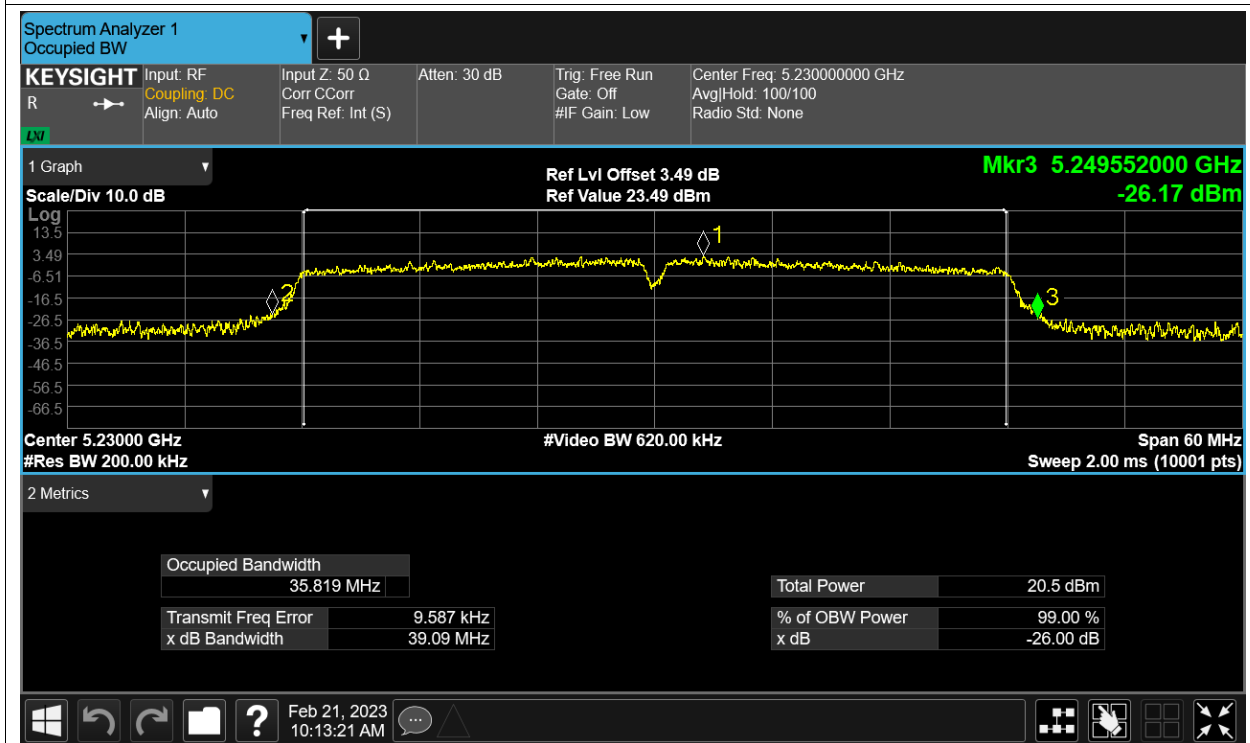
-26dB Bandwidth NVNT ac20 5240MHz Ant2



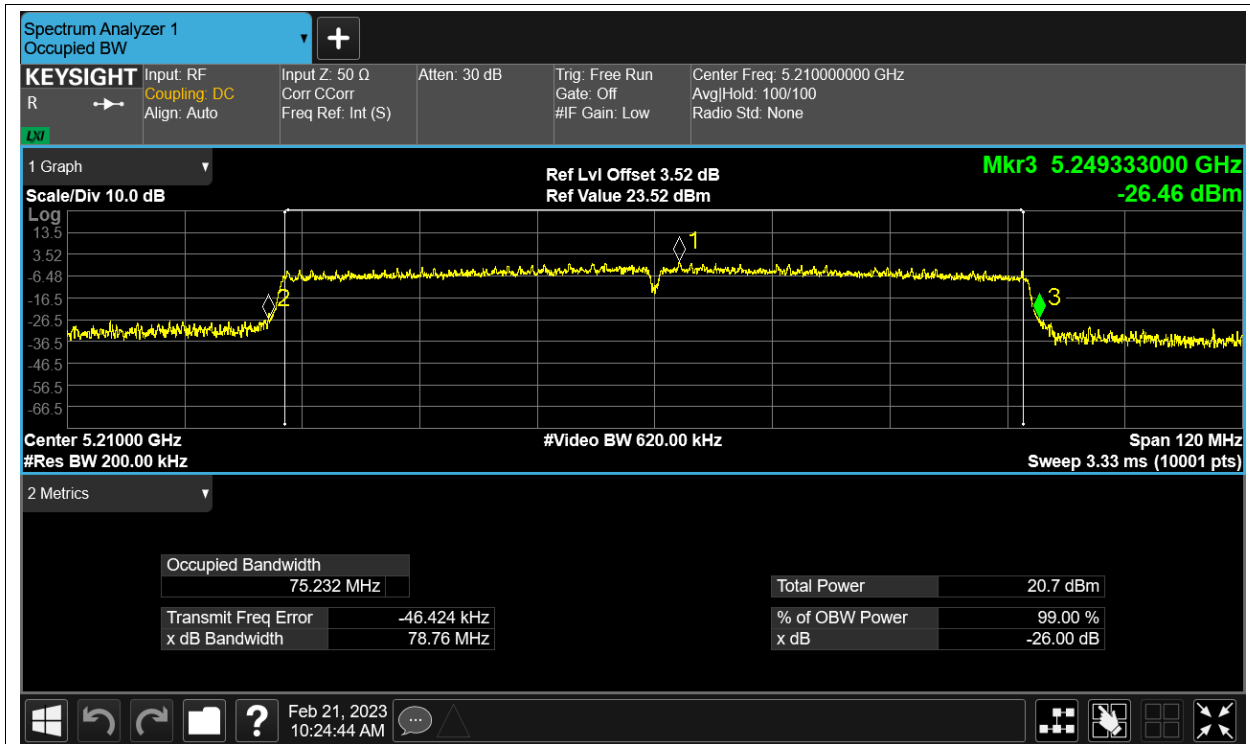
-26dB Bandwidth NVNT ac40 5190MHz Ant2



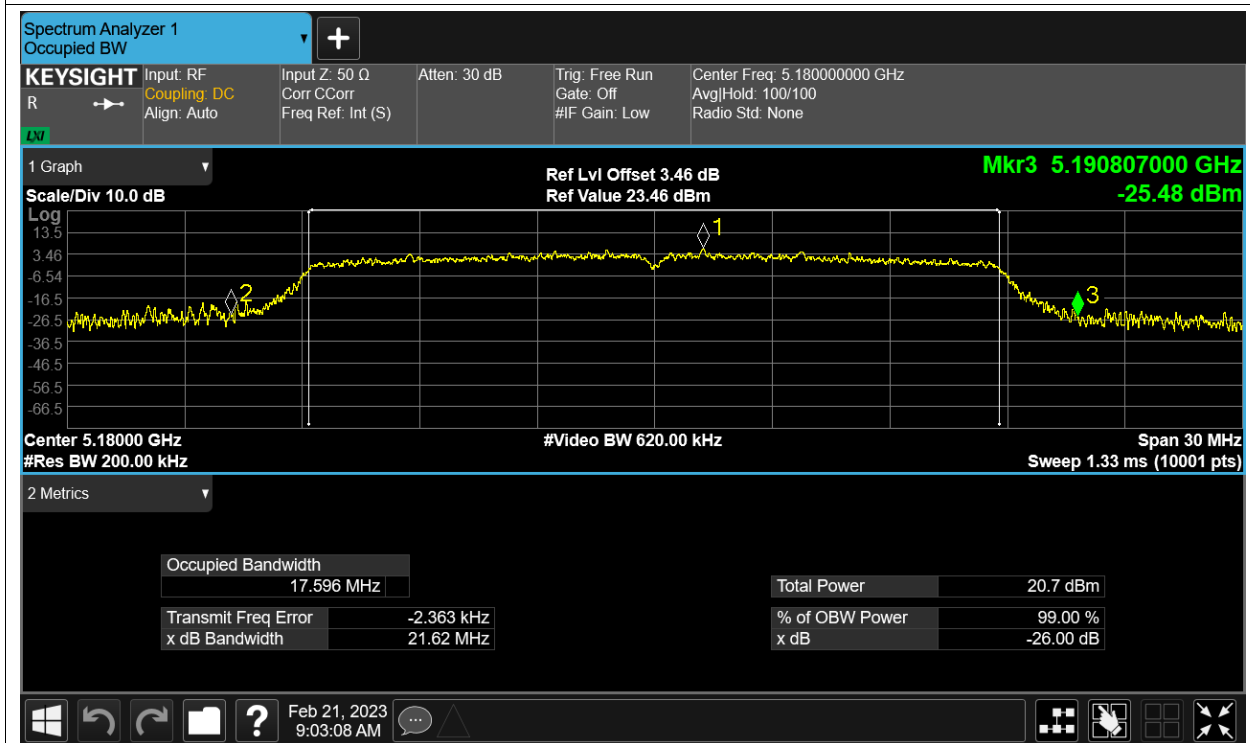
-26dB Bandwidth NVNT ac40 5230MHz Ant2



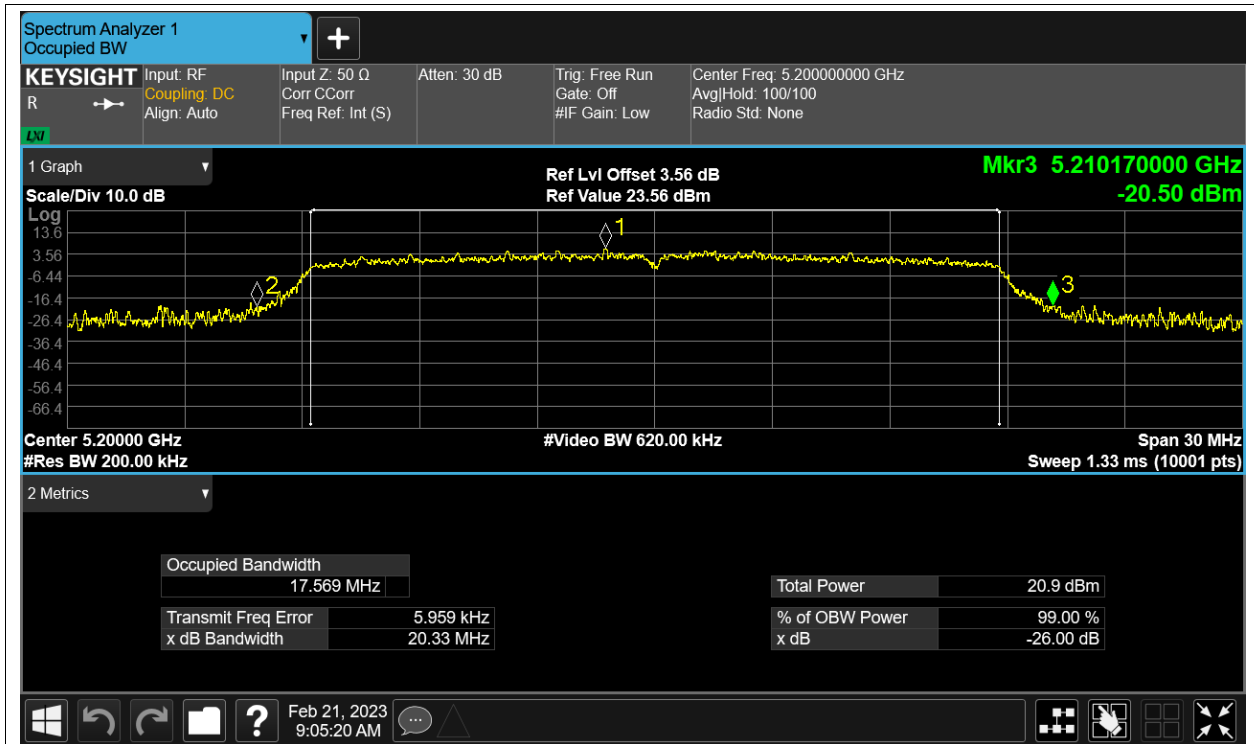
-26dB Bandwidth NVNT ac80 5210MHz Ant2



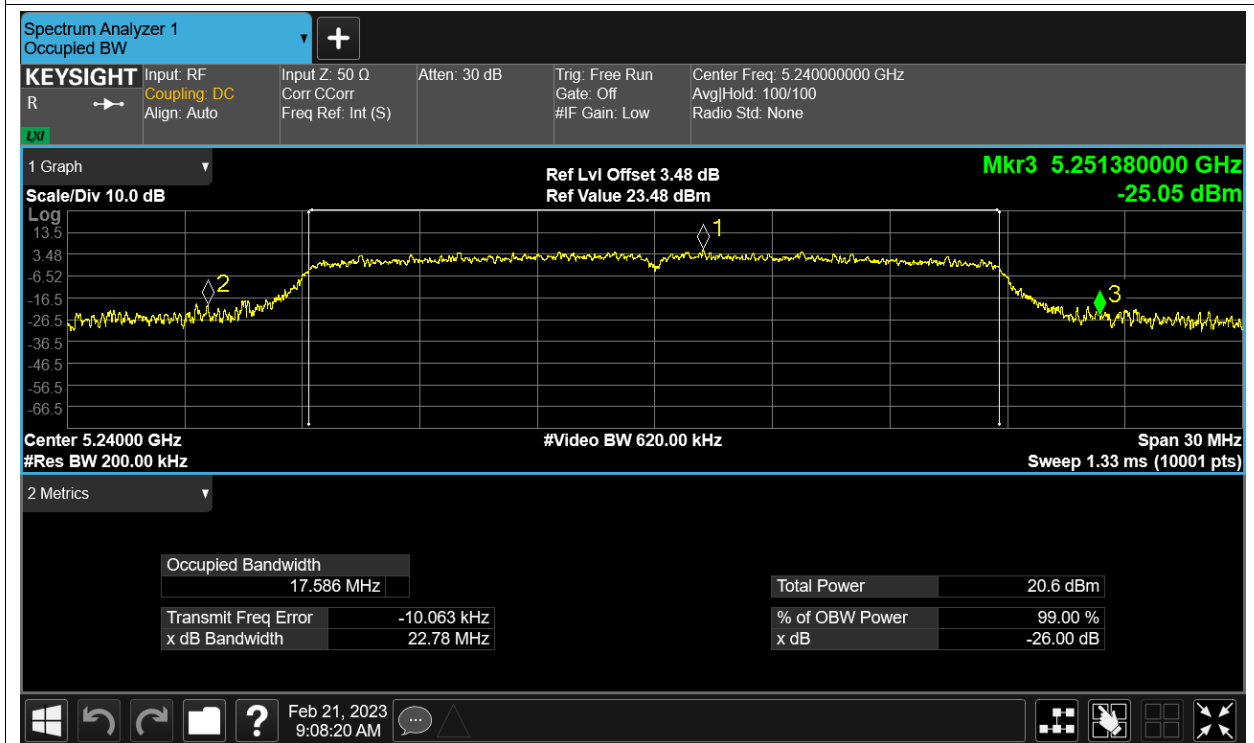
-26dB Bandwidth NVNT n20 5180MHz Ant2



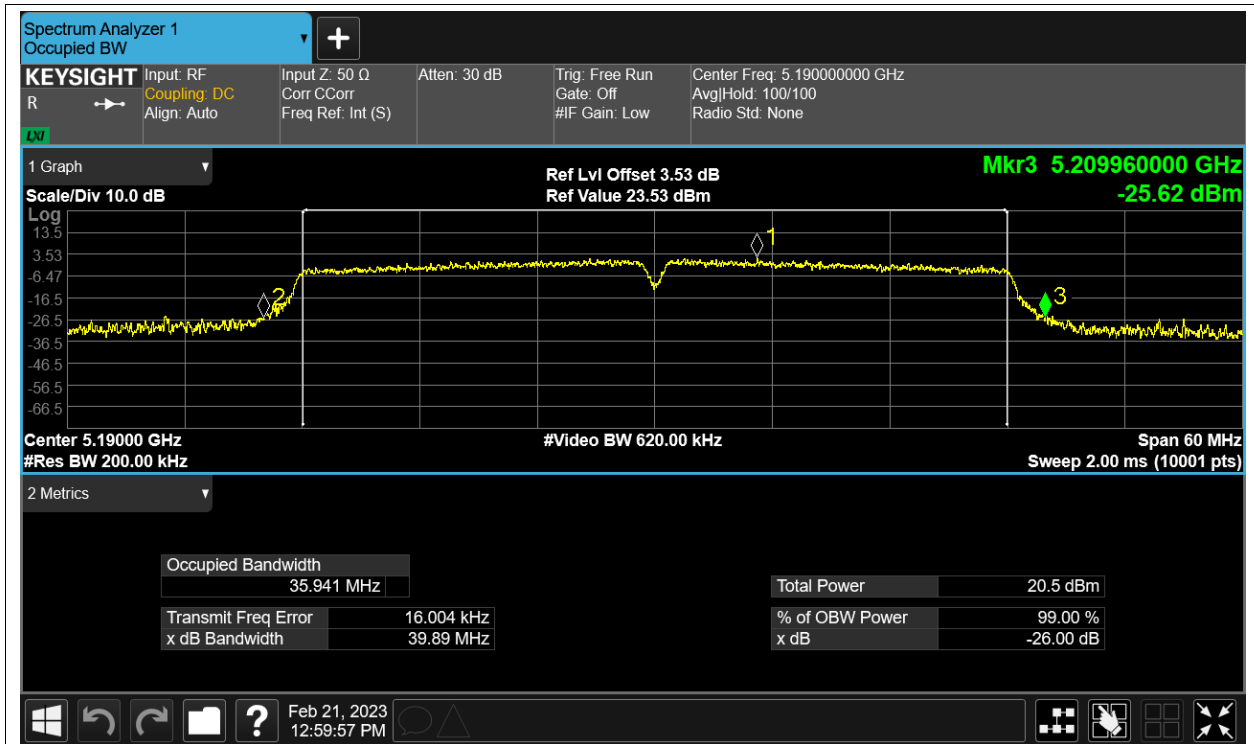
-26dB Bandwidth NVNT n20 5200MHz Ant2



-26dB Bandwidth NVNT n20 5240MHz Ant2



-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant2

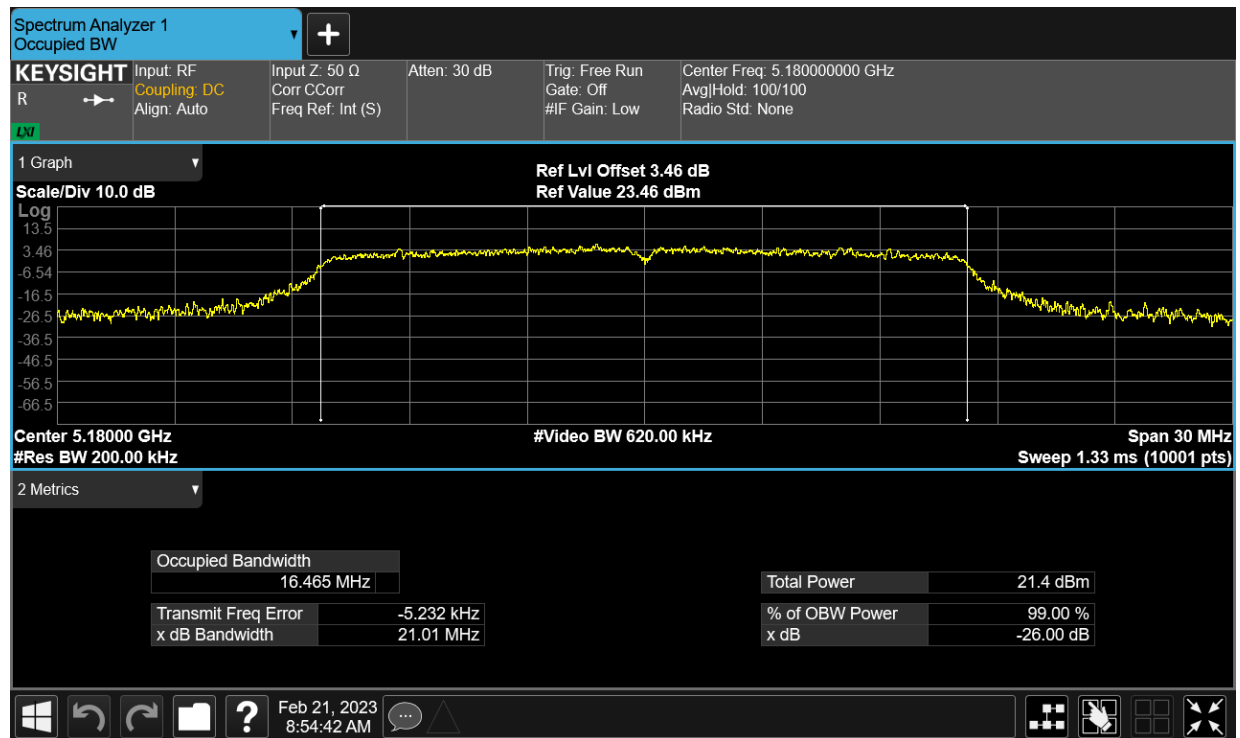


Occupied Channel Bandwidth

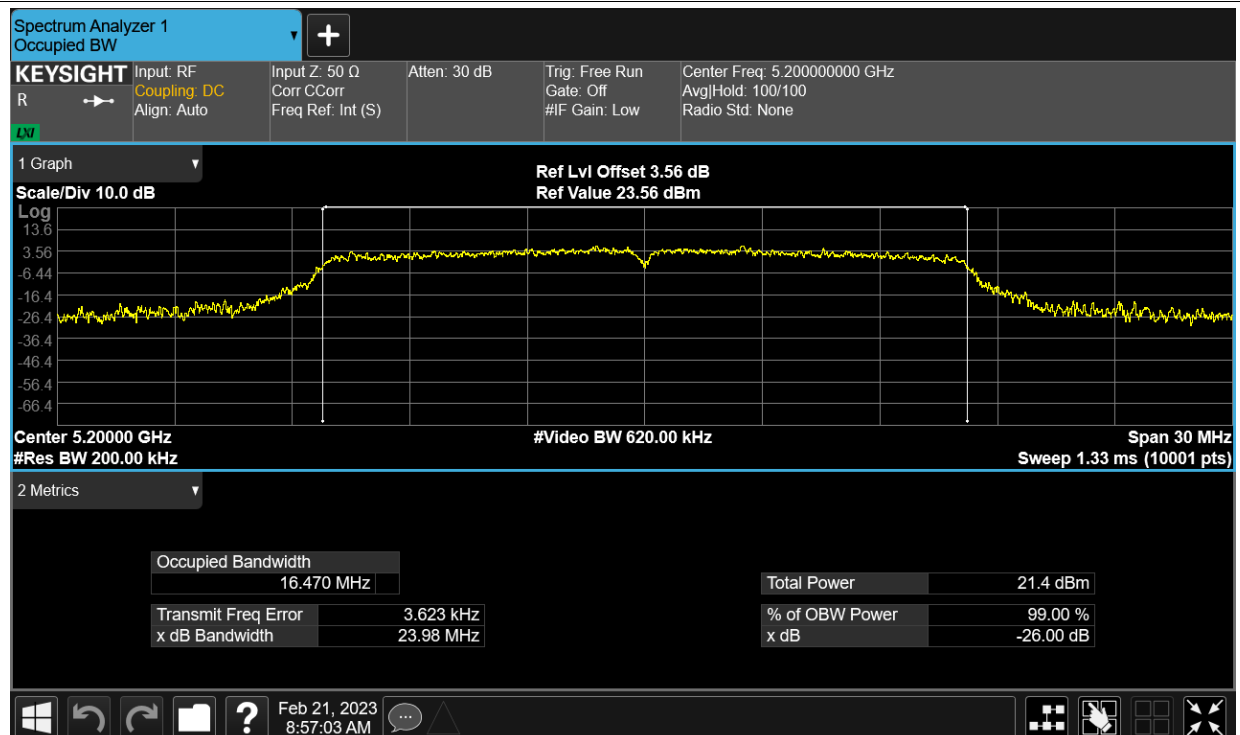
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant2	16.465
NVNT	a	5200	Ant2	16.47
NVNT	a	5240	Ant2	16.459
NVNT	ac20	5180	Ant2	17.552
NVNT	ac20	5200	Ant2	17.579
NVNT	ac20	5240	Ant2	17.59
NVNT	ac40	5190	Ant2	36.02
NVNT	ac40	5230	Ant2	35.96
NVNT	ac80	5210	Ant2	75.28
NVNT	n20	5180	Ant2	17.606
NVNT	n20	5200	Ant2	17.575
NVNT	n20	5240	Ant2	17.584
NVNT	n40	5190	Ant2	36.069
NVNT	n40	5230	Ant2	36.015

Test Graphs

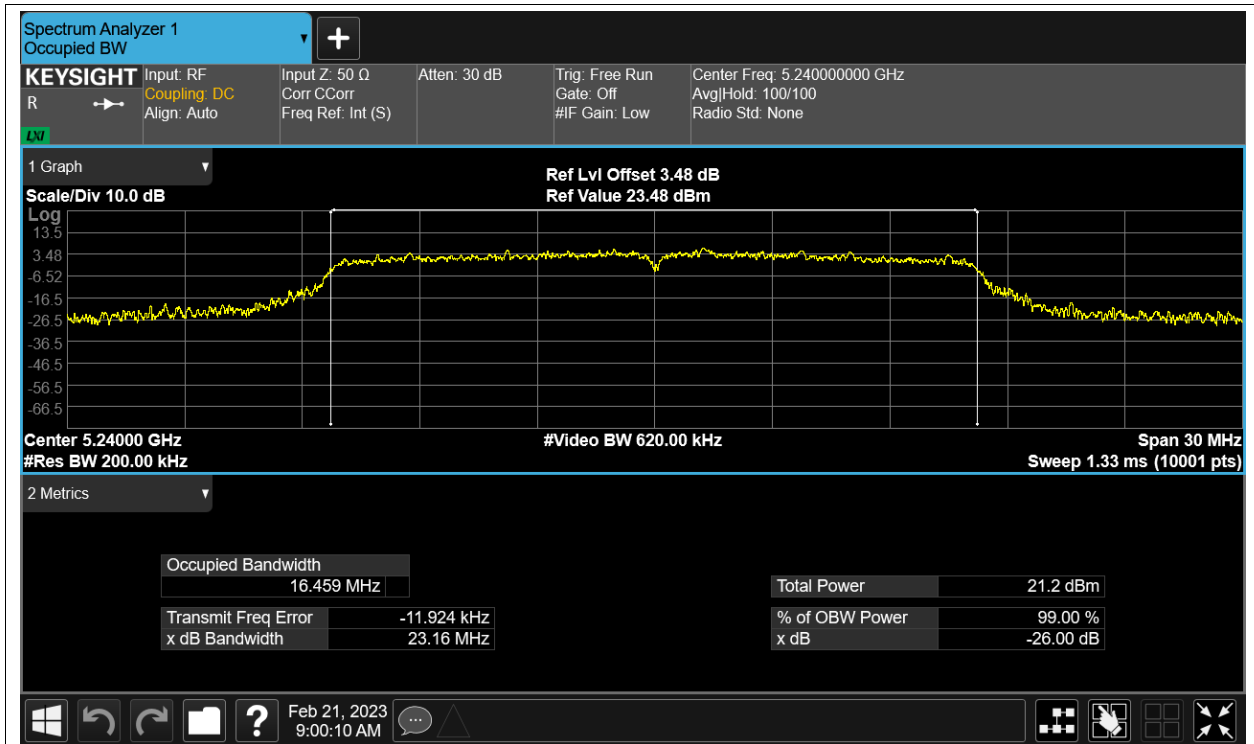
OBW NVNT a 5180MHz Ant2



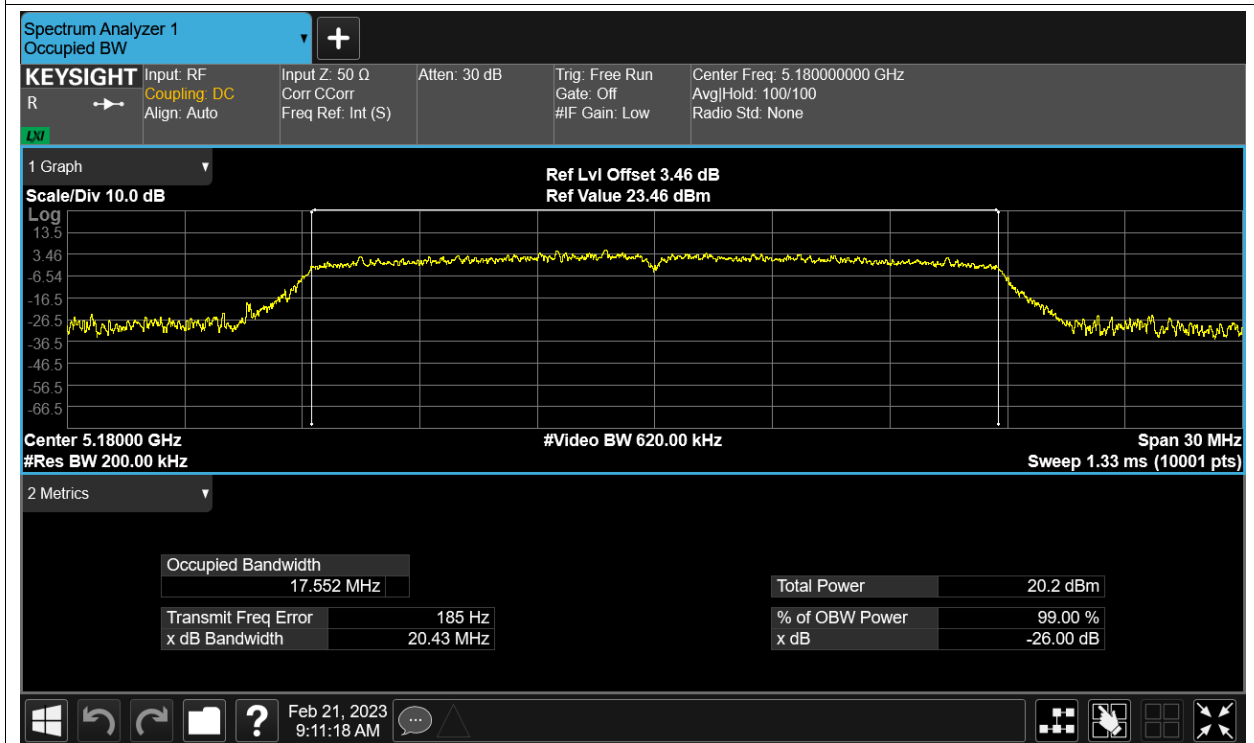
OBW NVNT a 5200MHz Ant2



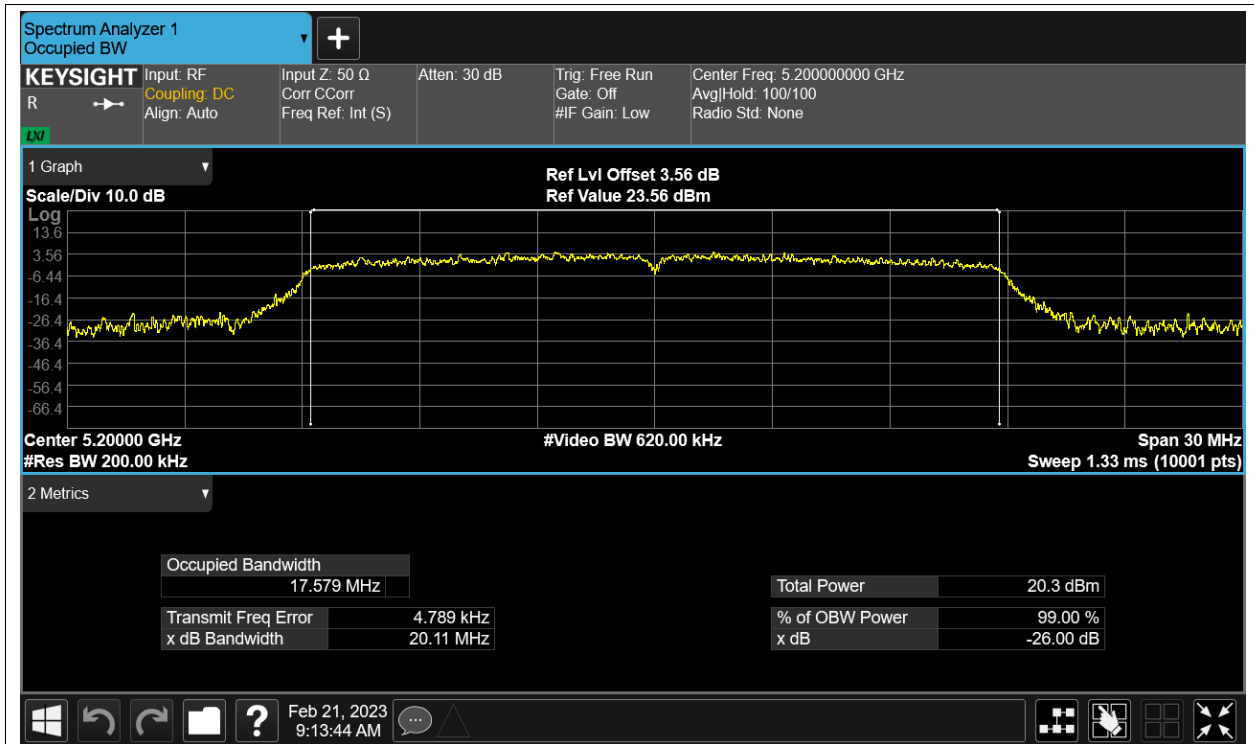
OBW NVNT a 5240MHz Ant2



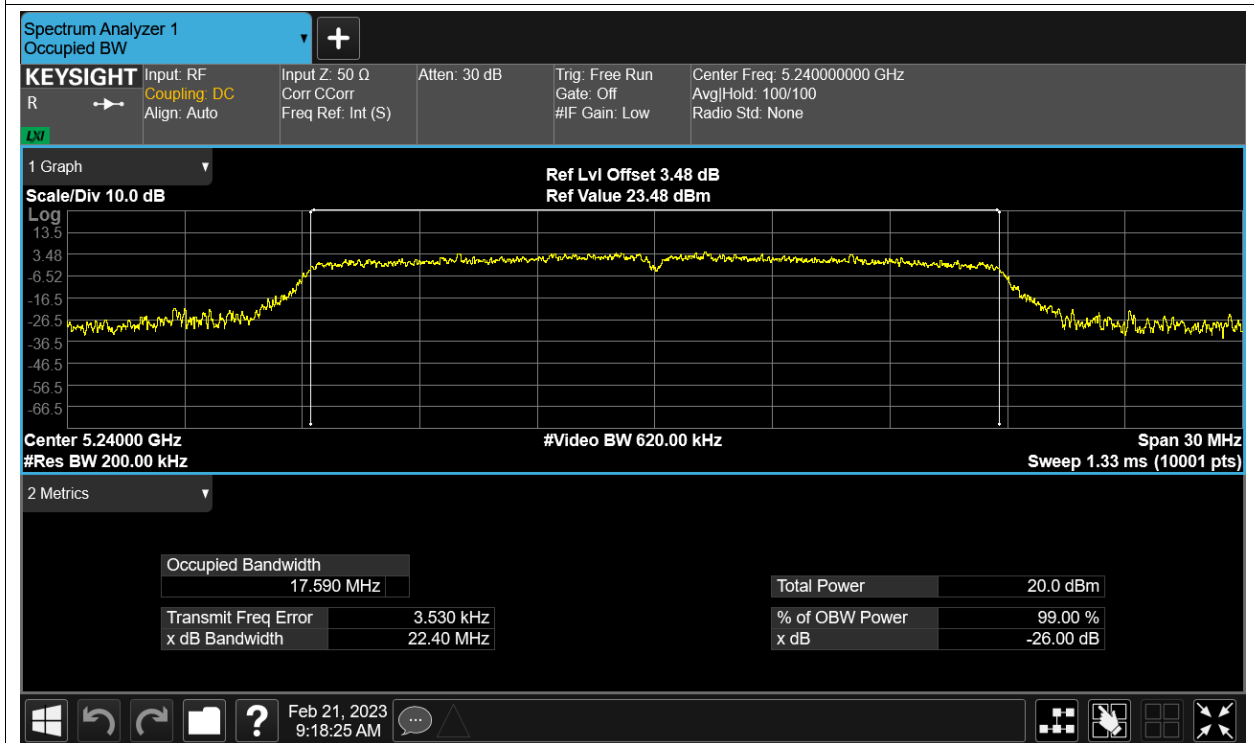
OBW NVNT ac20 5180MHz Ant2



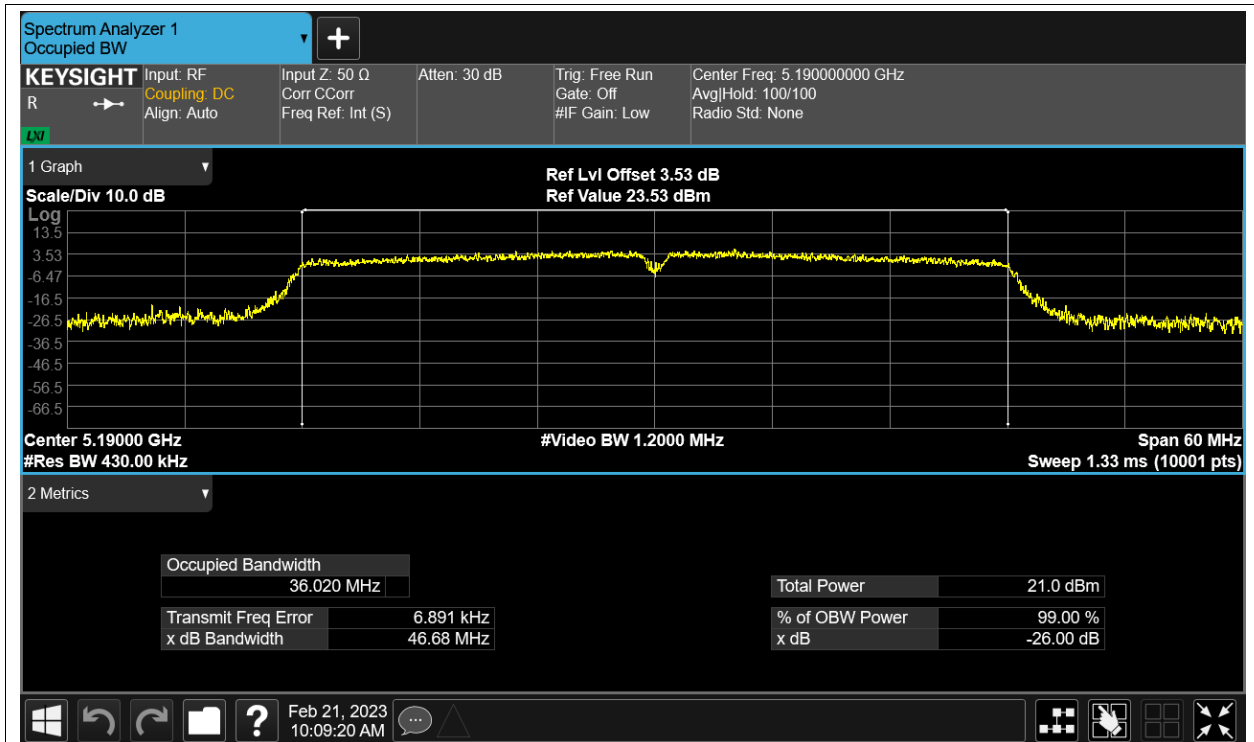
OBW NVNT ac20 5200MHz Ant2



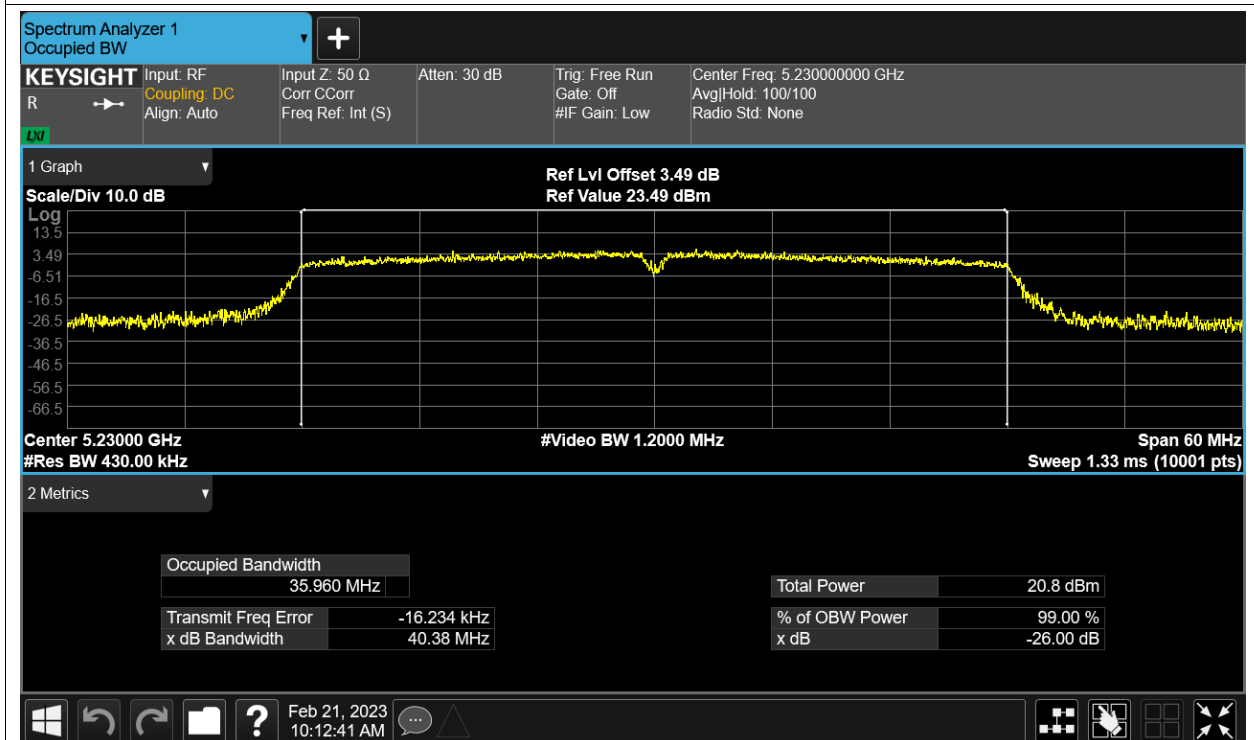
OBW NVNT ac20 5240MHz Ant2



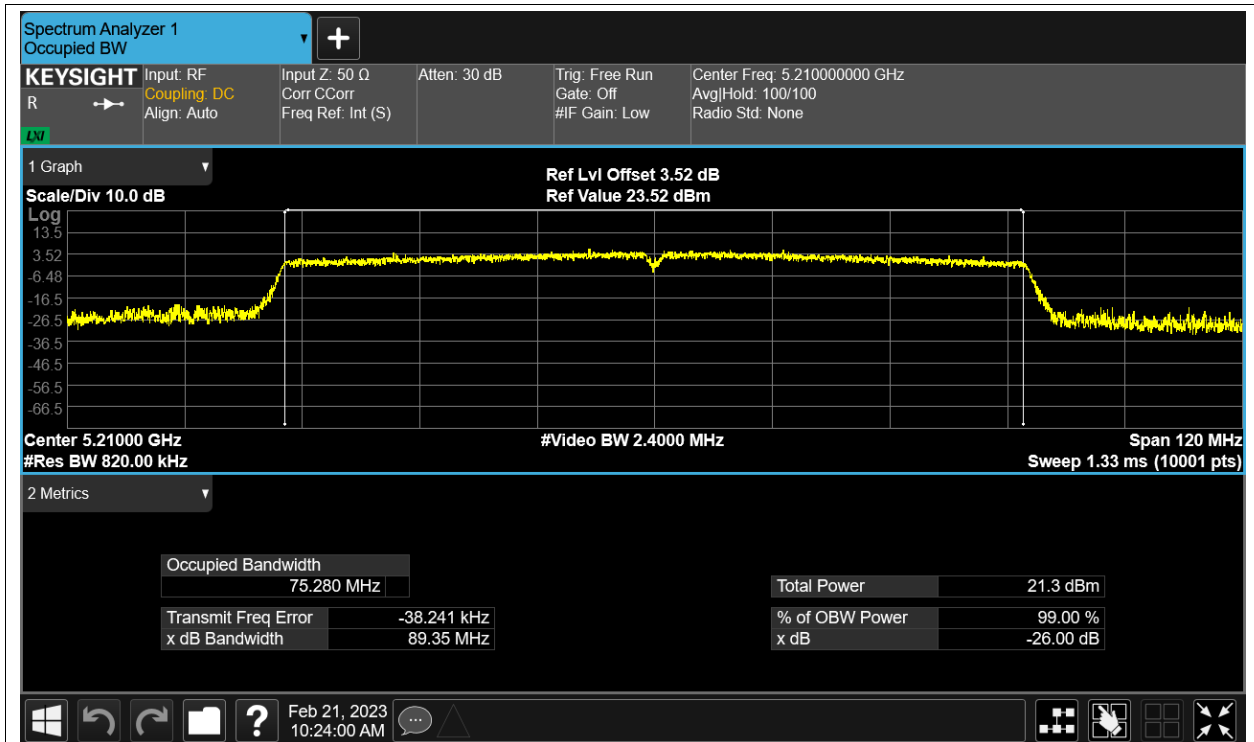
OBW NVNT ac40 5190MHz Ant2



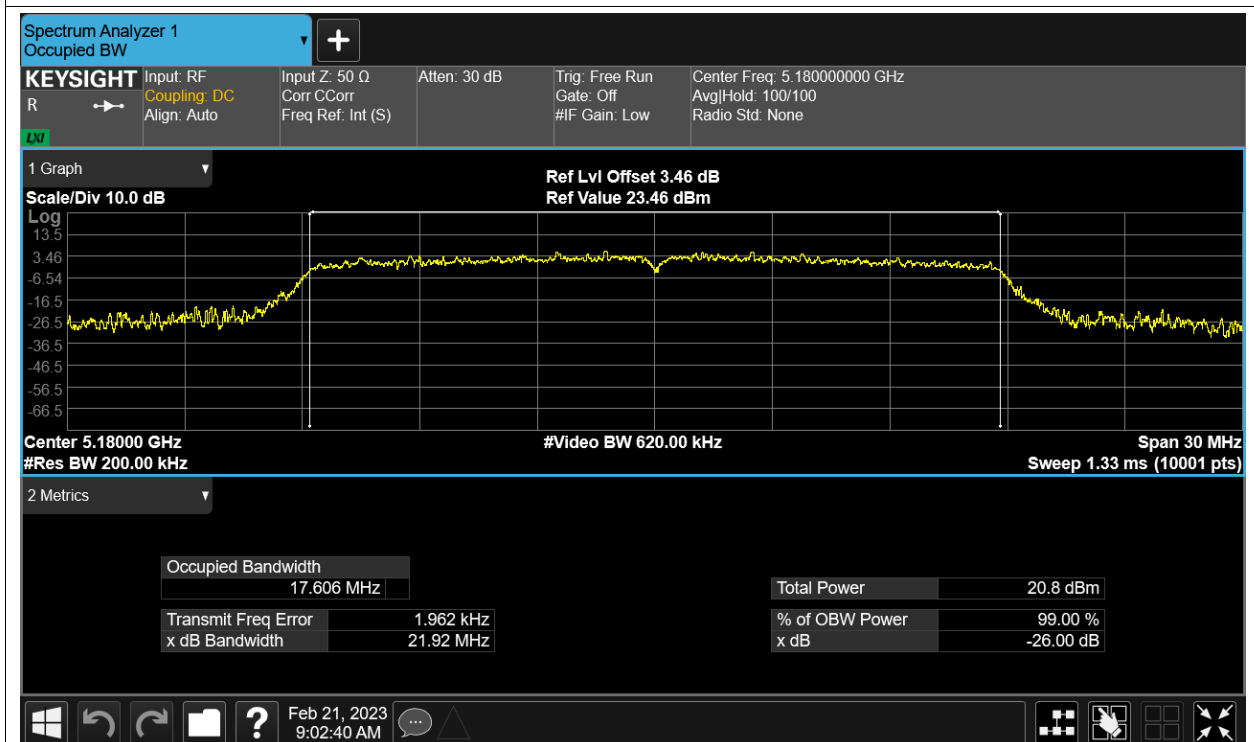
OBW NVNT ac40 5230MHz Ant2



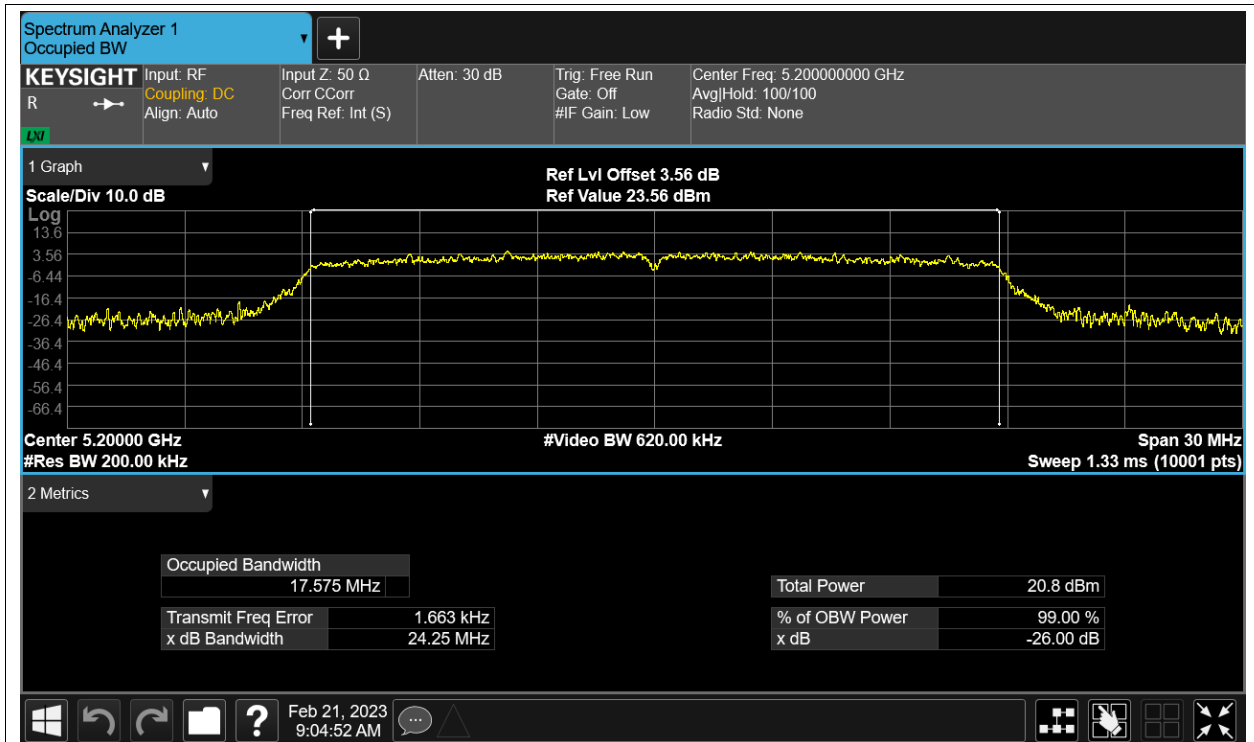
OBW NVNT ac80 5210MHz Ant2



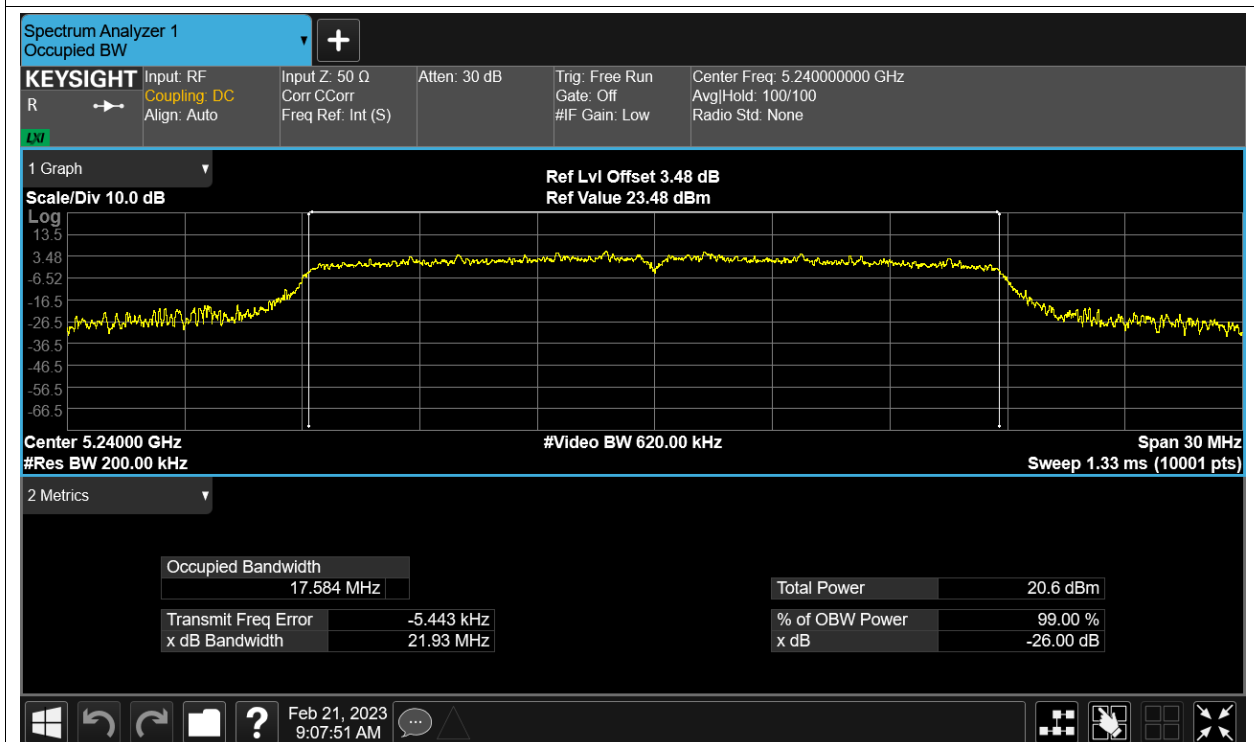
OBW NVNT n20 5180MHz Ant2



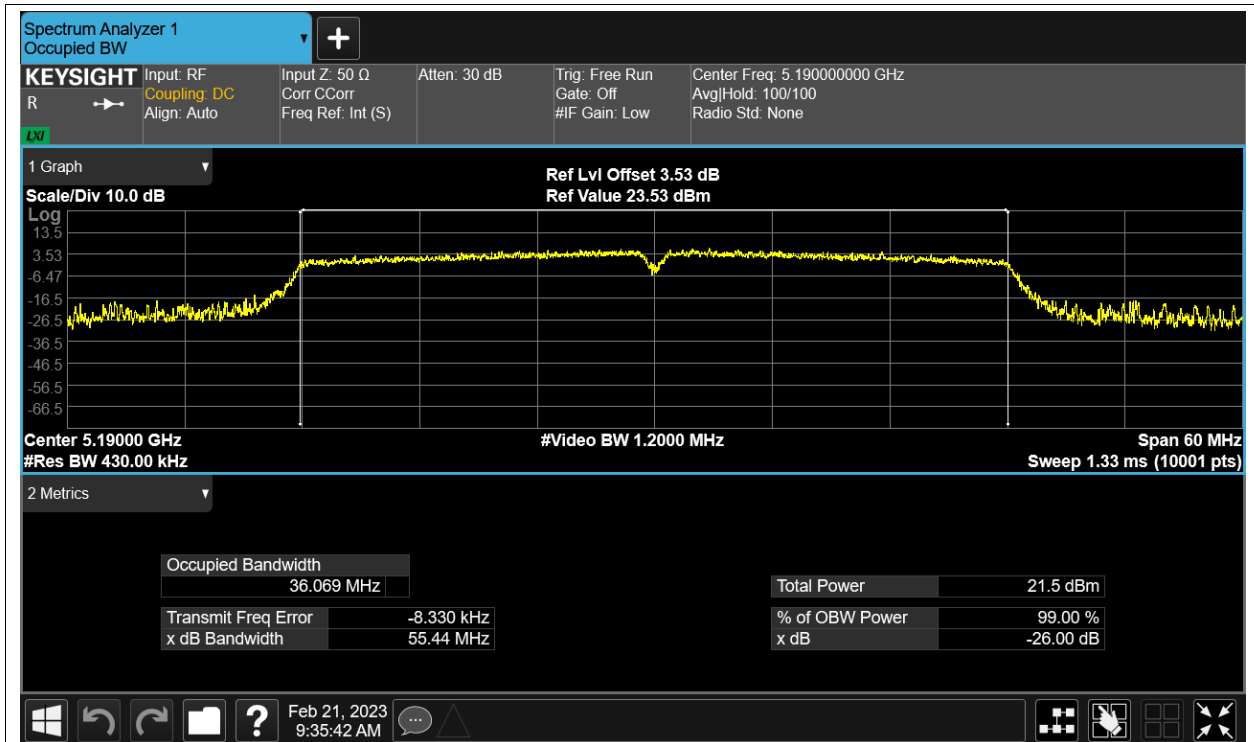
OBW NVNT n20 5200MHz Ant2



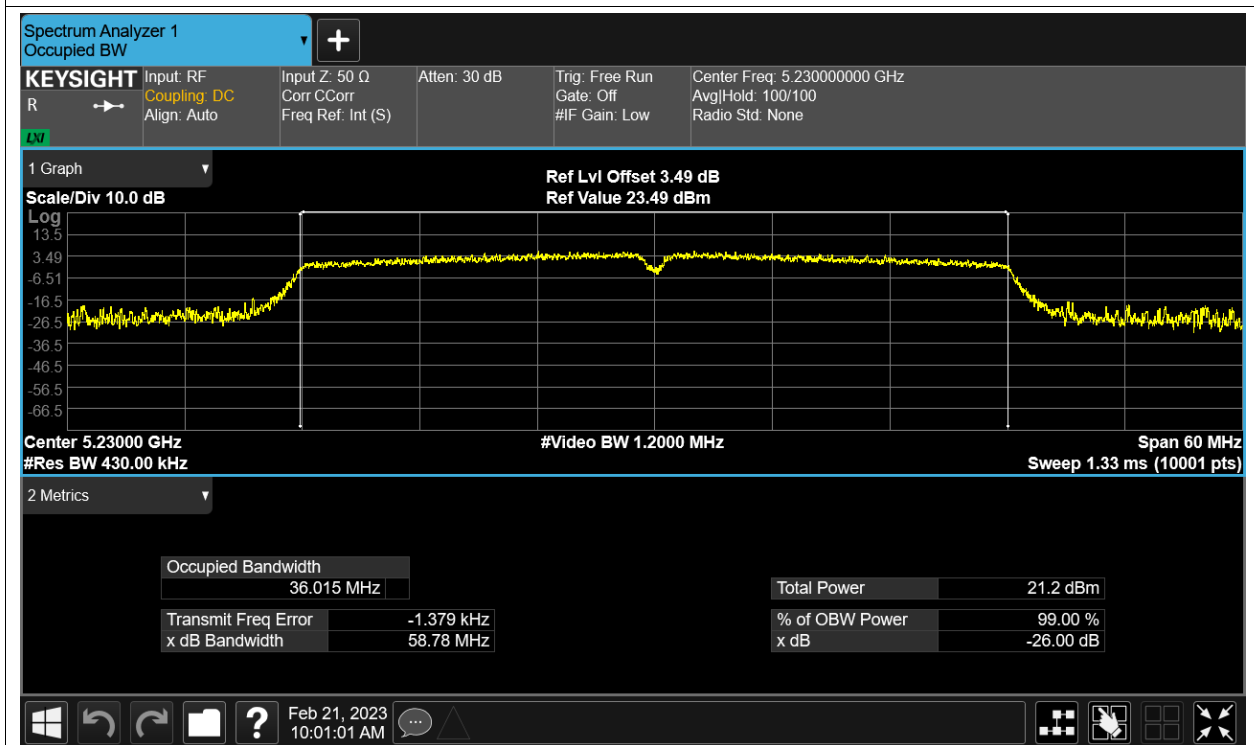
OBW NVNT n20 5240MHz Ant2



OBW NVNT n40 5190MHz Ant2



OBW NVNT n40 5230MHz Ant2

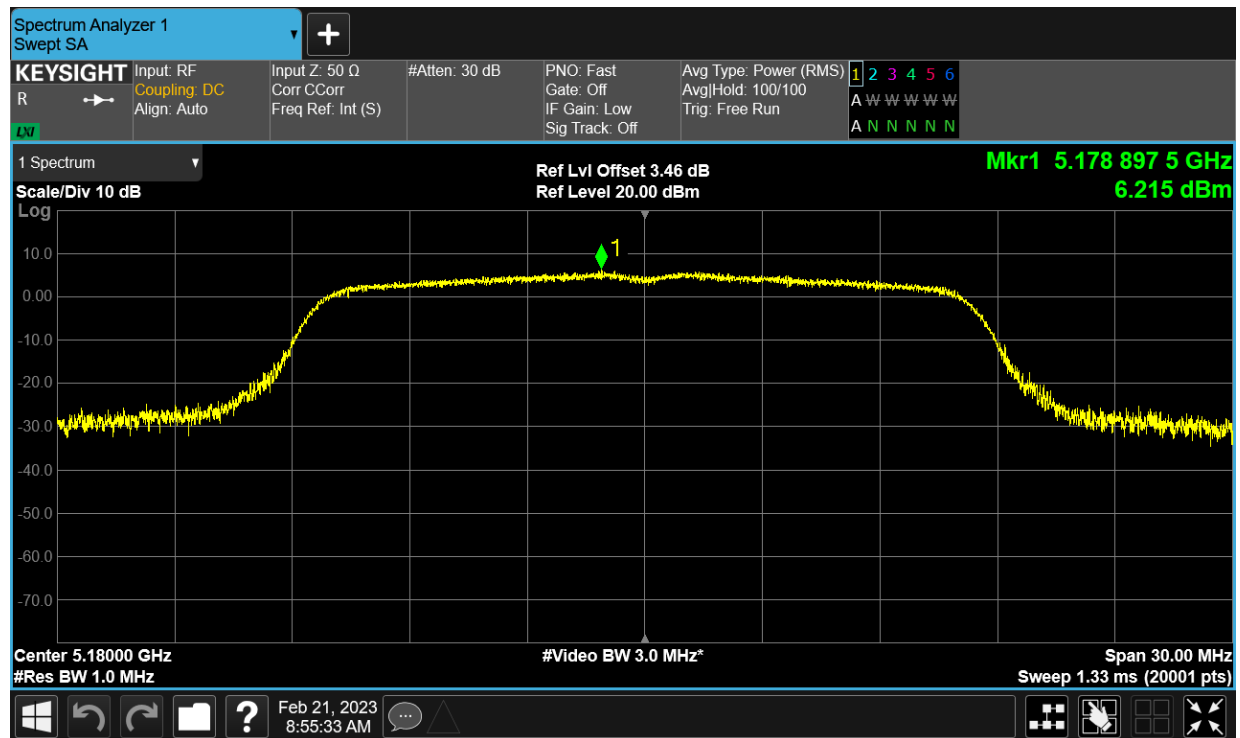


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	6.215	11	Pass
NVNT	a	5200	Ant2	5.971	11	Pass
NVNT	a	5240	Ant2	6.21	11	Pass
NVNT	ac20	5180	Ant2	4.616	11	Pass
NVNT	ac20	5200	Ant2	4.905	11	Pass
NVNT	ac20	5240	Ant2	4.897	11	Pass
NVNT	ac40	5190	Ant2	2.524	11	Pass
NVNT	ac40	5230	Ant2	2.457	11	Pass
NVNT	ac80	5210	Ant2	-1.474	11	Pass
NVNT	n20	5180	Ant2	4.934	11	Pass
NVNT	n20	5200	Ant2	5.292	11	Pass
NVNT	n20	5240	Ant2	4.94	11	Pass
NVNT	n40	5190	Ant2	2.812	11	Pass
NVNT	n40	5230	Ant2	2.952	11	Pass

Test Graphs

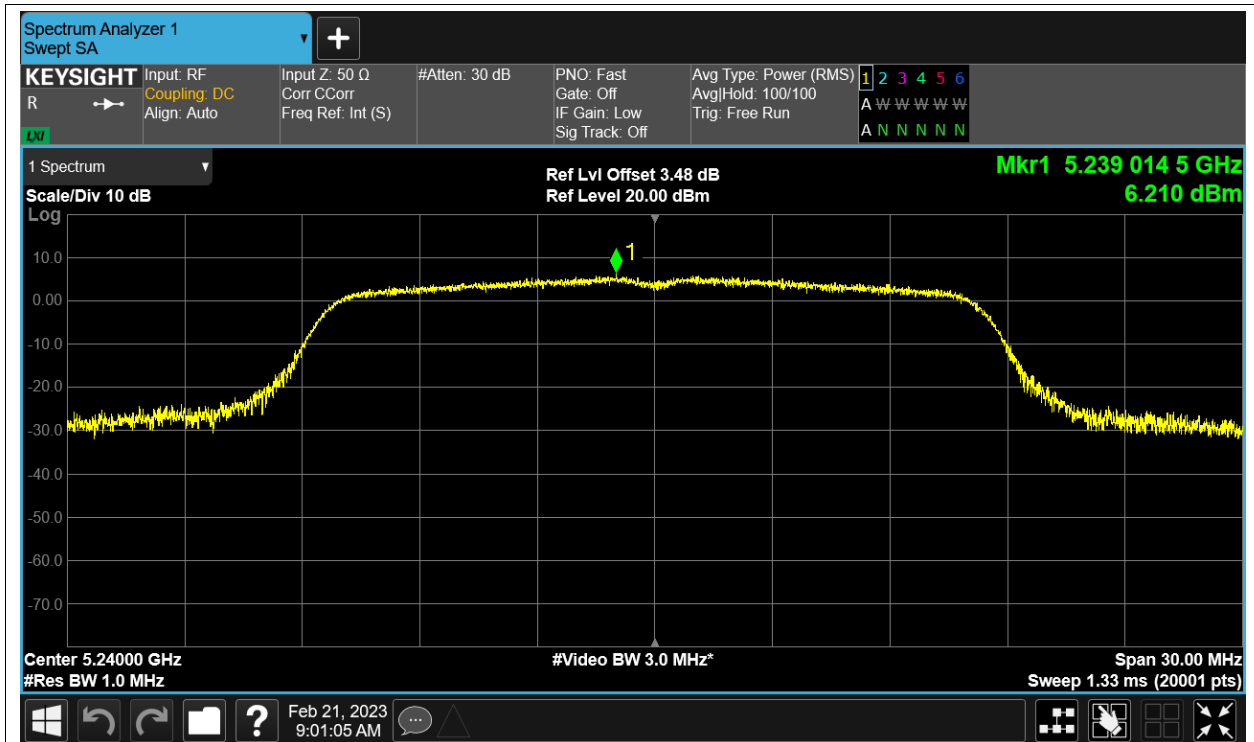
PSD NVNT a 5180MHz Ant2



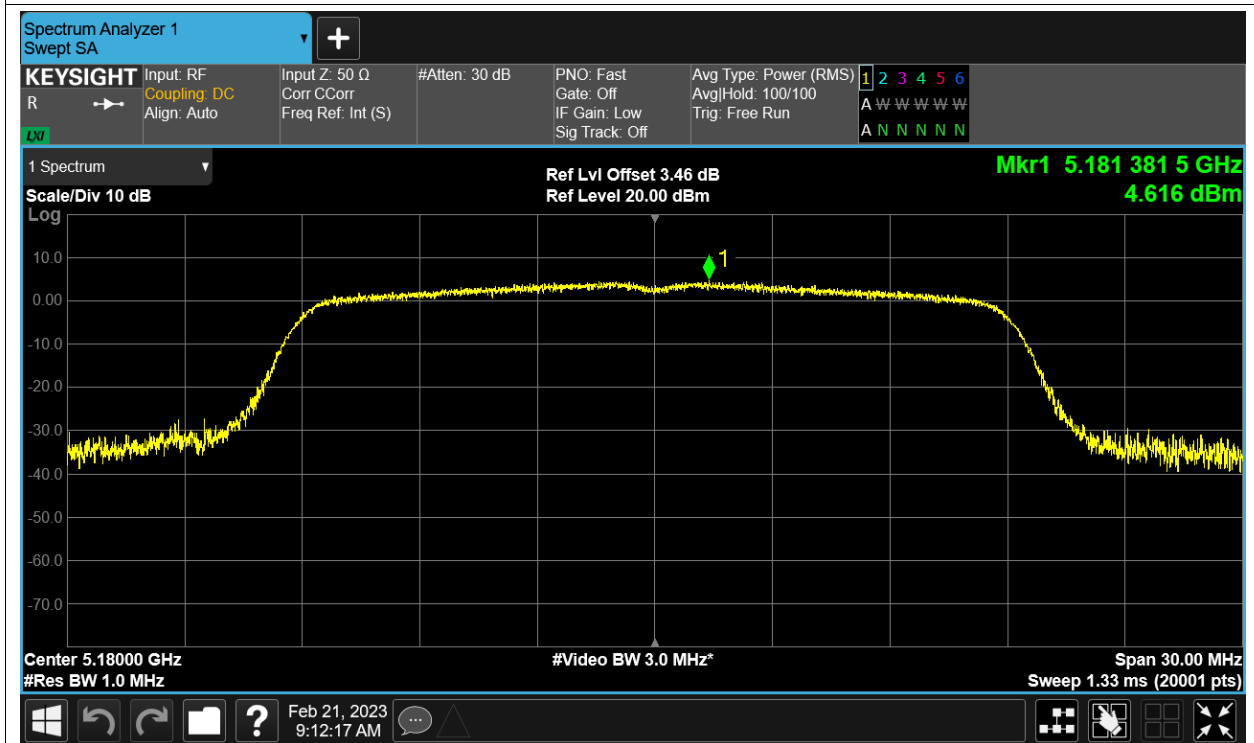
PSD NVNT a 5200MHz Ant2



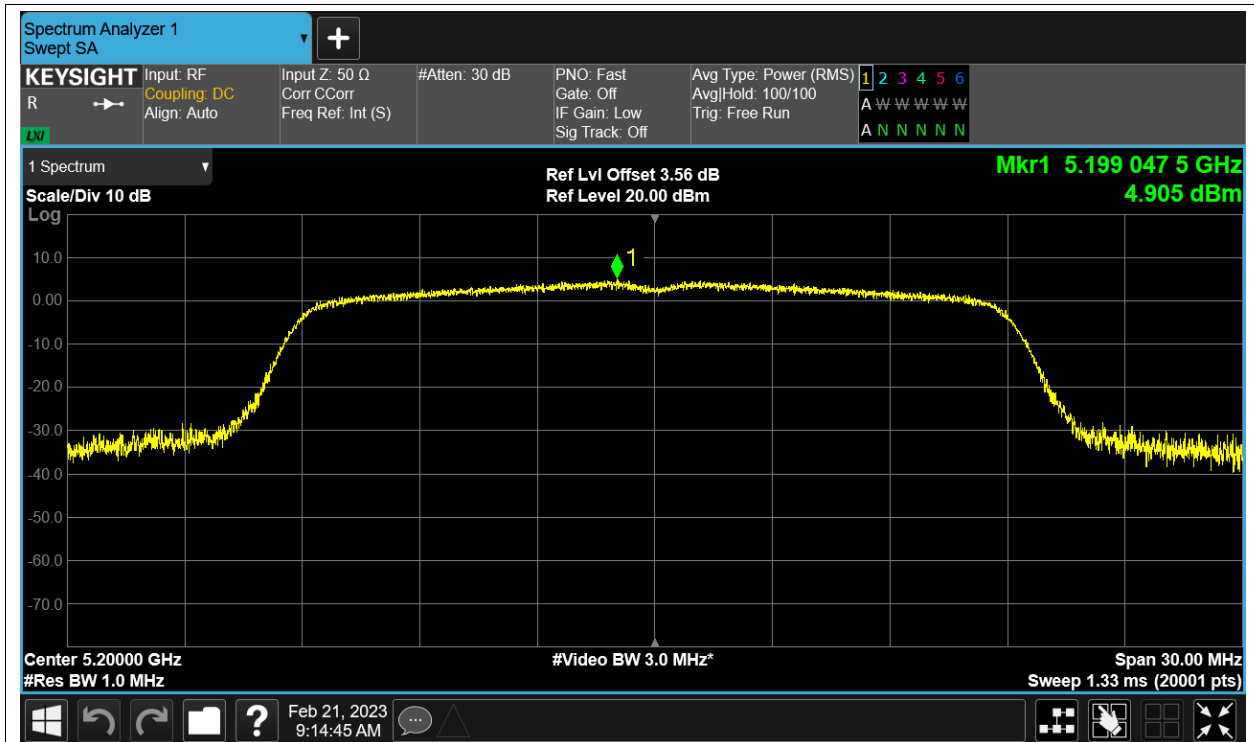
PSD NVNT a 5240MHz Ant2



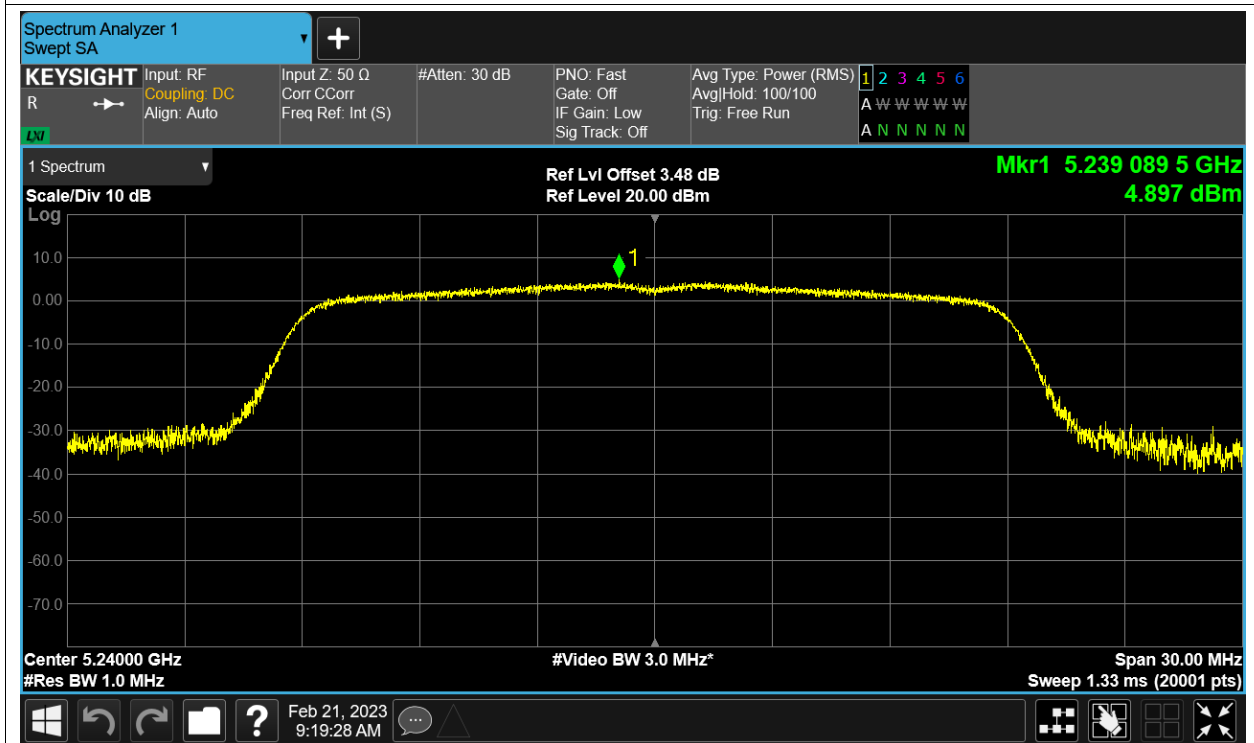
PSD NVNT ac20 5180MHz Ant2



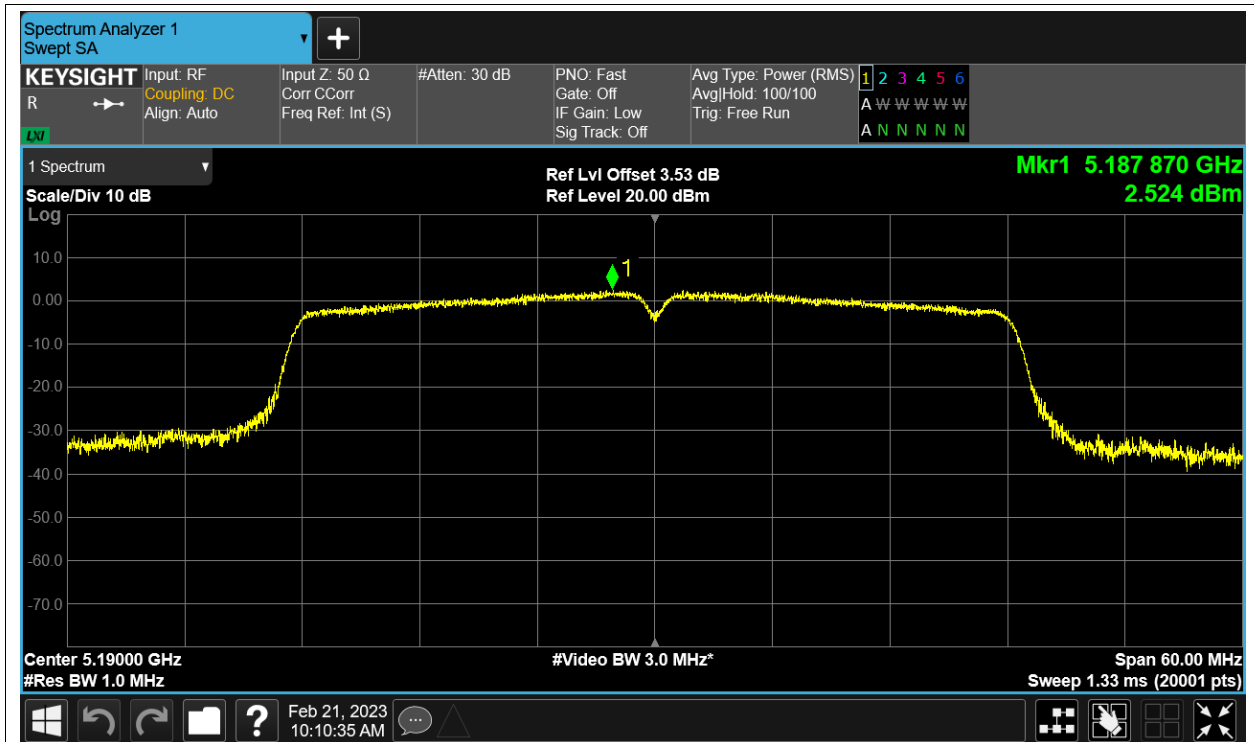
PSD NVNT ac20 5200MHz Ant2



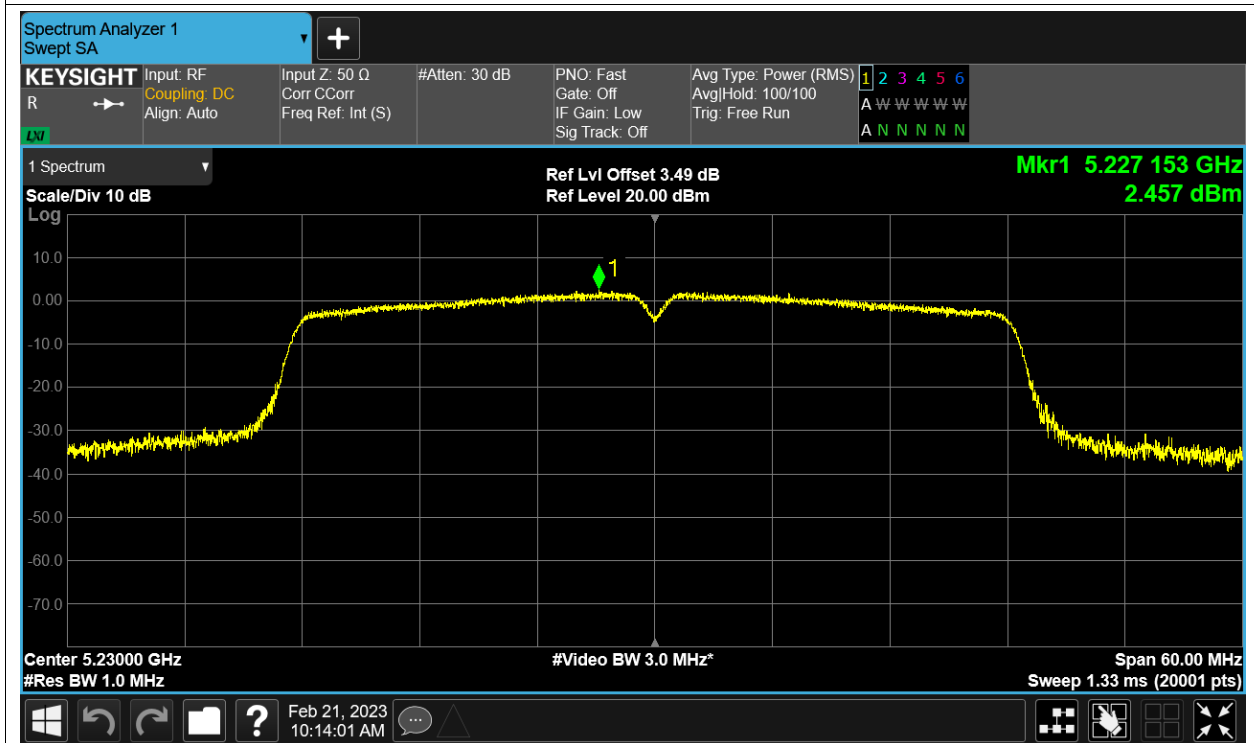
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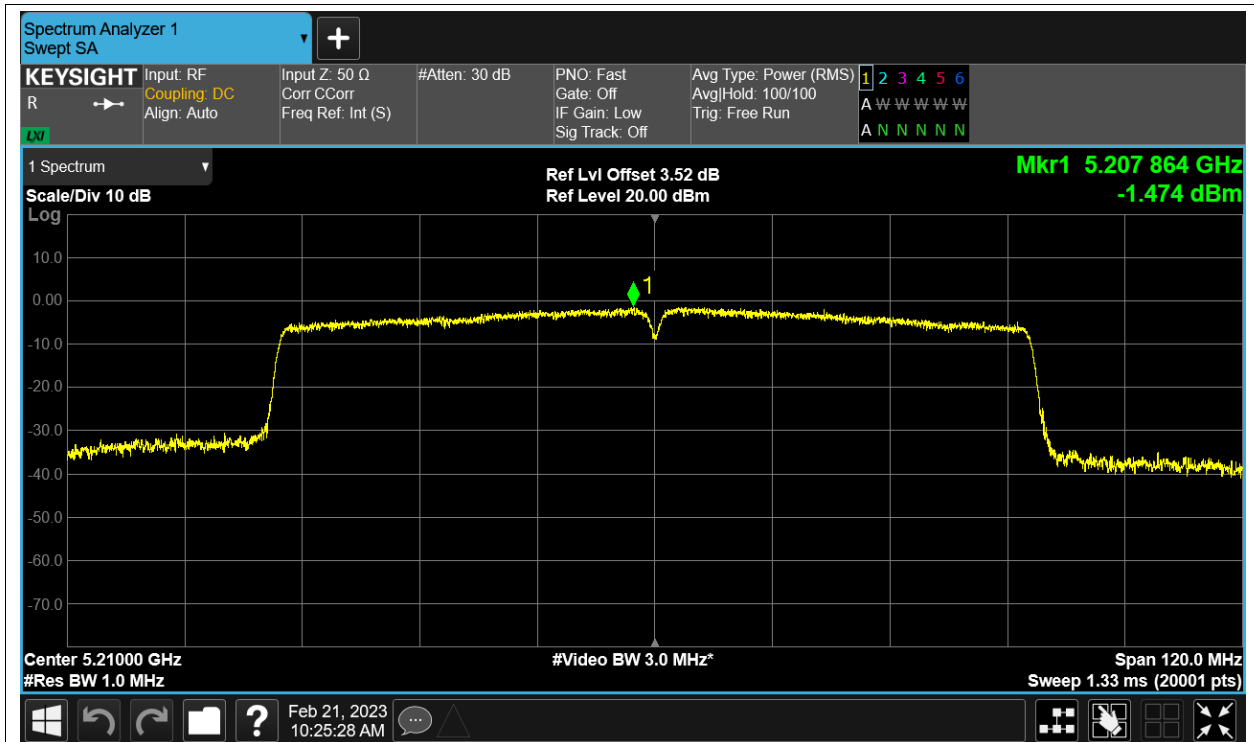
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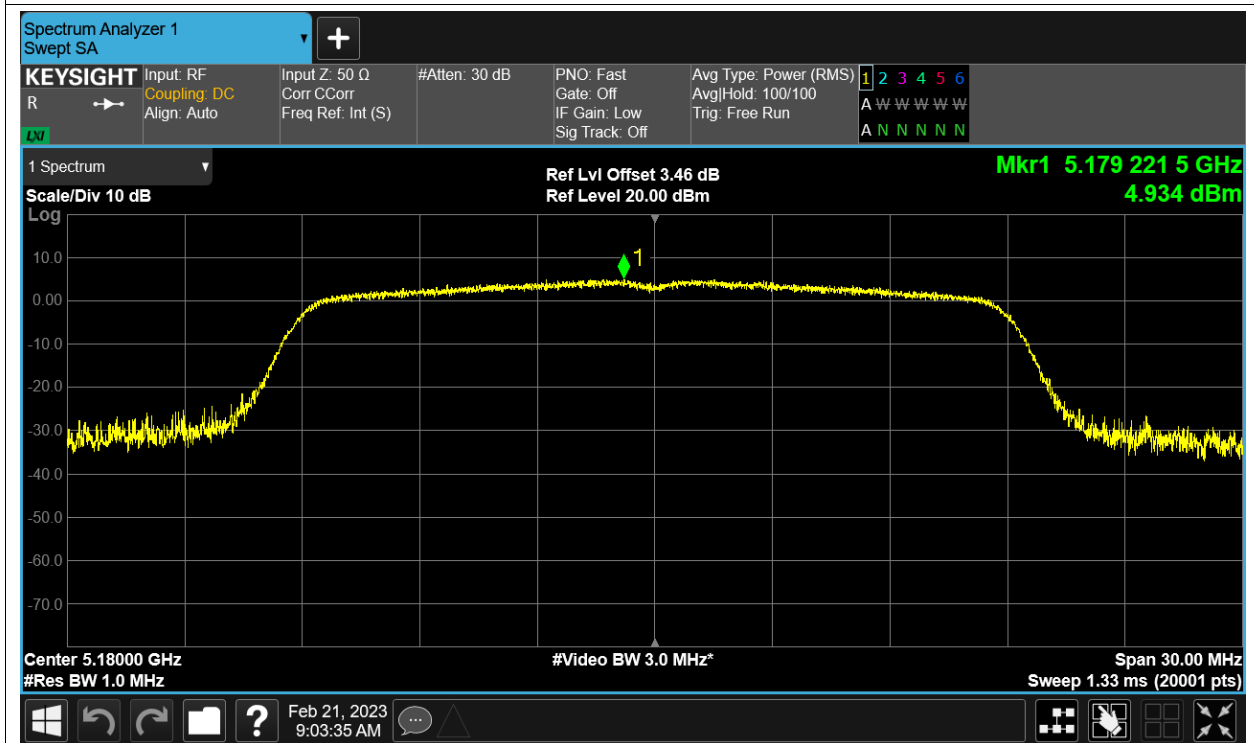
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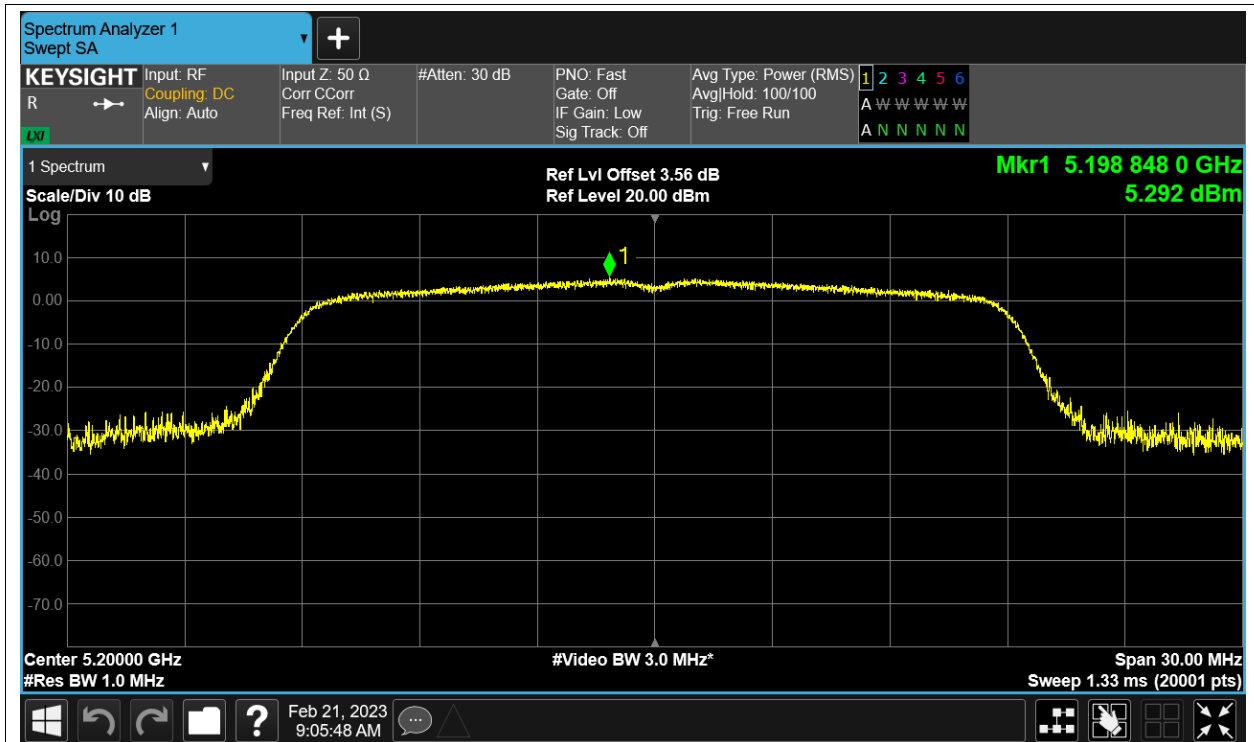
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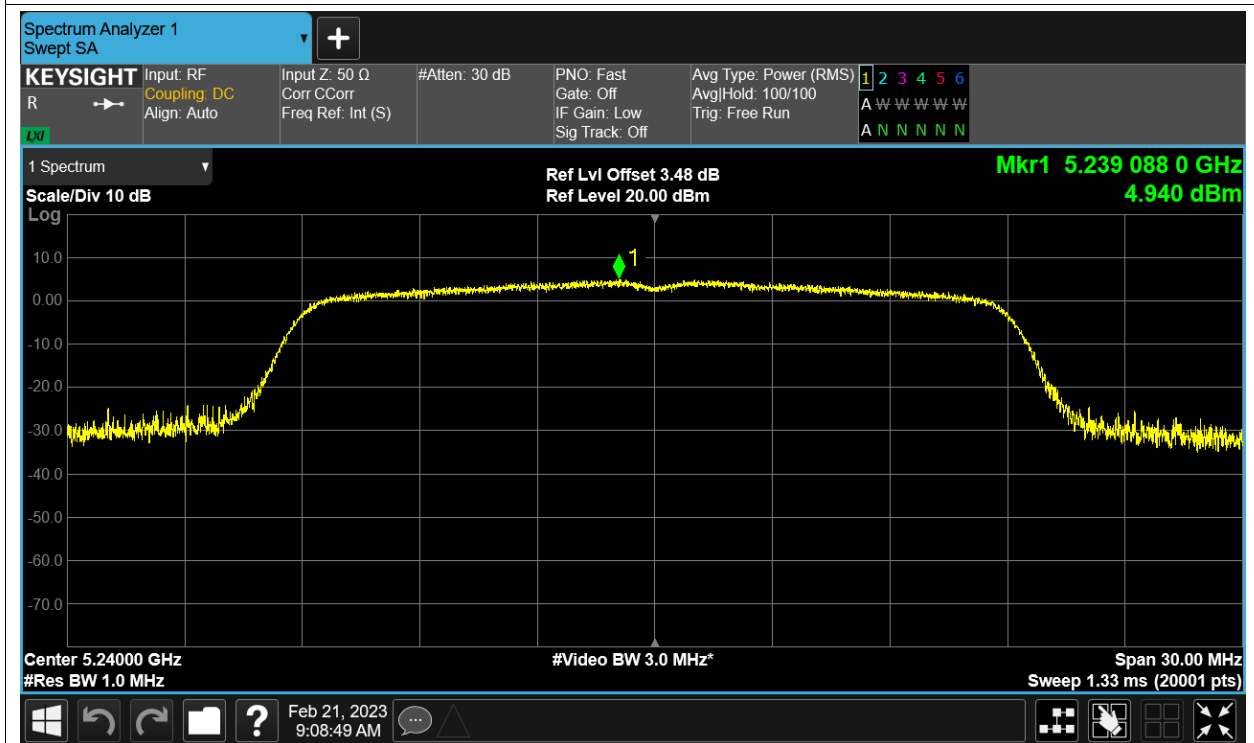
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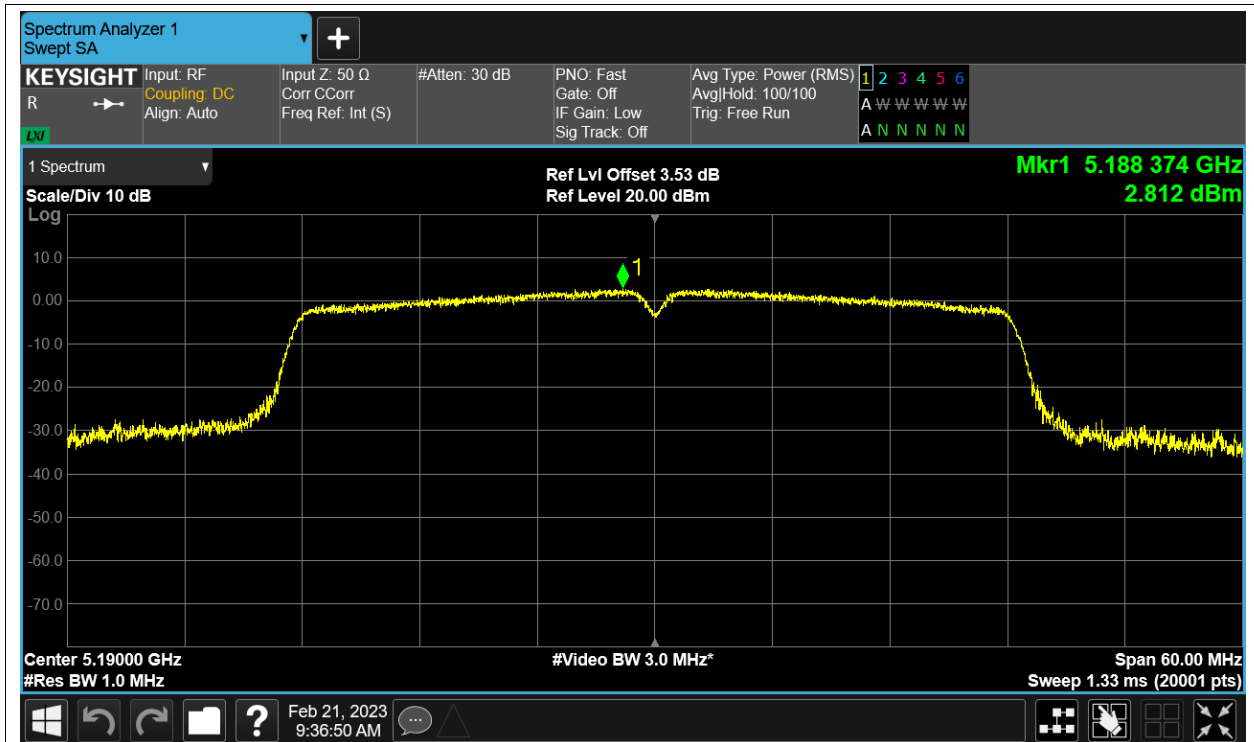
PSD NVNT n20 5200MHz Ant2



PSD NVNT n20 5240MHz Ant2



PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant2

