

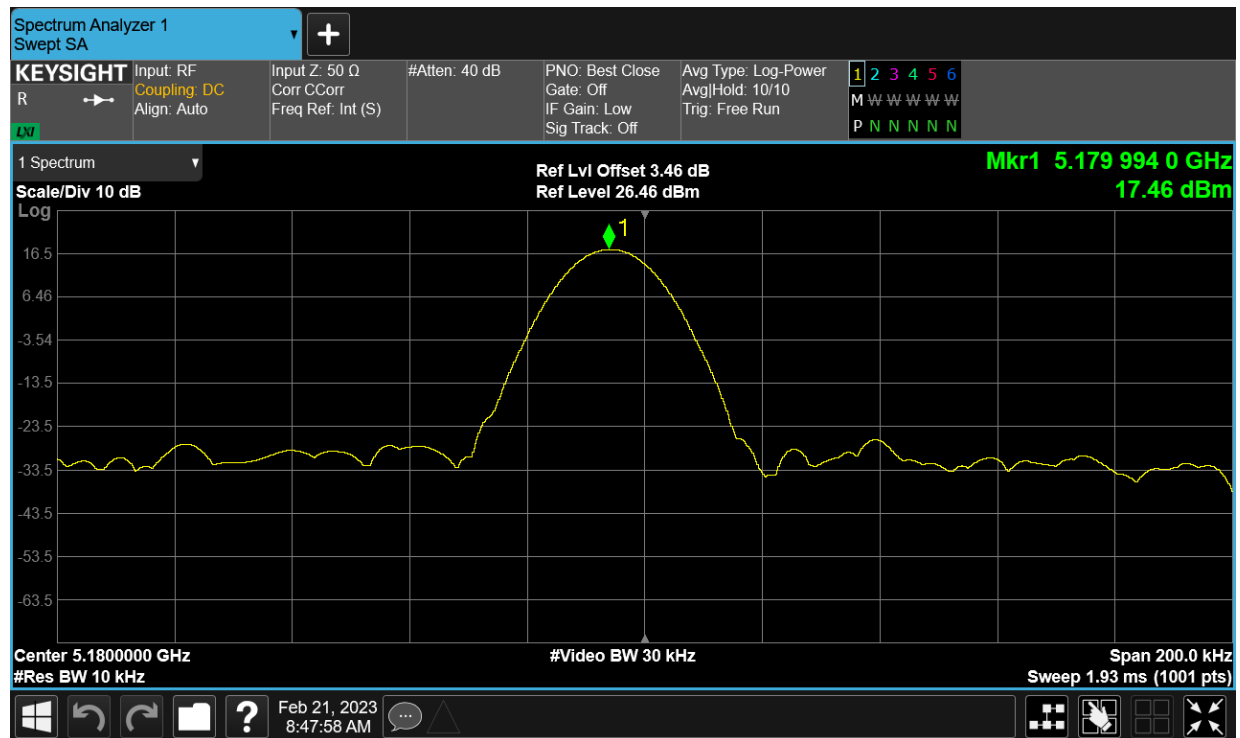
Test Data

Frequency Stability

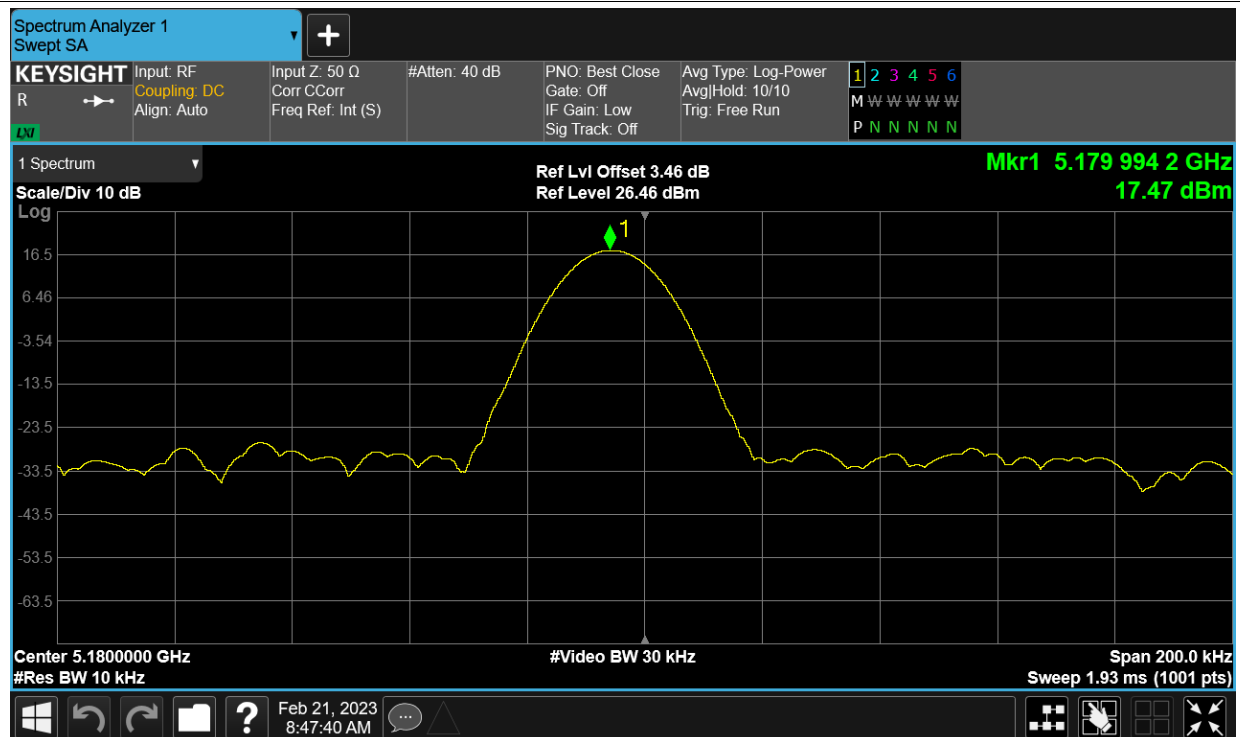
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.994	-1.16	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9942	-1.12		Pass
NVHT	a	5180	Ant1	5179.9944	-1.08		Pass
NVLT	a	5180	Ant1	5179.9946	-1.04		Pass
NVNT	a	5180	Ant1	5179.9948	-1		Pass
HVNT	ac80	5210	Ant1	5209.9932	-1.31		Pass
LVNT	ac80	5210	Ant1	5209.9934	-1.27		Pass
NVHT	ac80	5210	Ant1	5209.9936	-1.23		Pass
NVLT	ac80	5210	Ant1	5209.9938	-1.19		Pass
NVNT	ac80	5210	Ant1	5209.993918245	-1.17		Pass
HVNT	n40	5190	Ant1	5189.9936	-1.23		Pass
LVNT	n40	5190	Ant1	5189.9938	-1.19		Pass
NVHT	n40	5190	Ant1	5189.9938	-1.19		Pass
NVLT	n40	5190	Ant1	5189.9938	-1.19		Pass
NVNT	n40	5190	Ant1	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

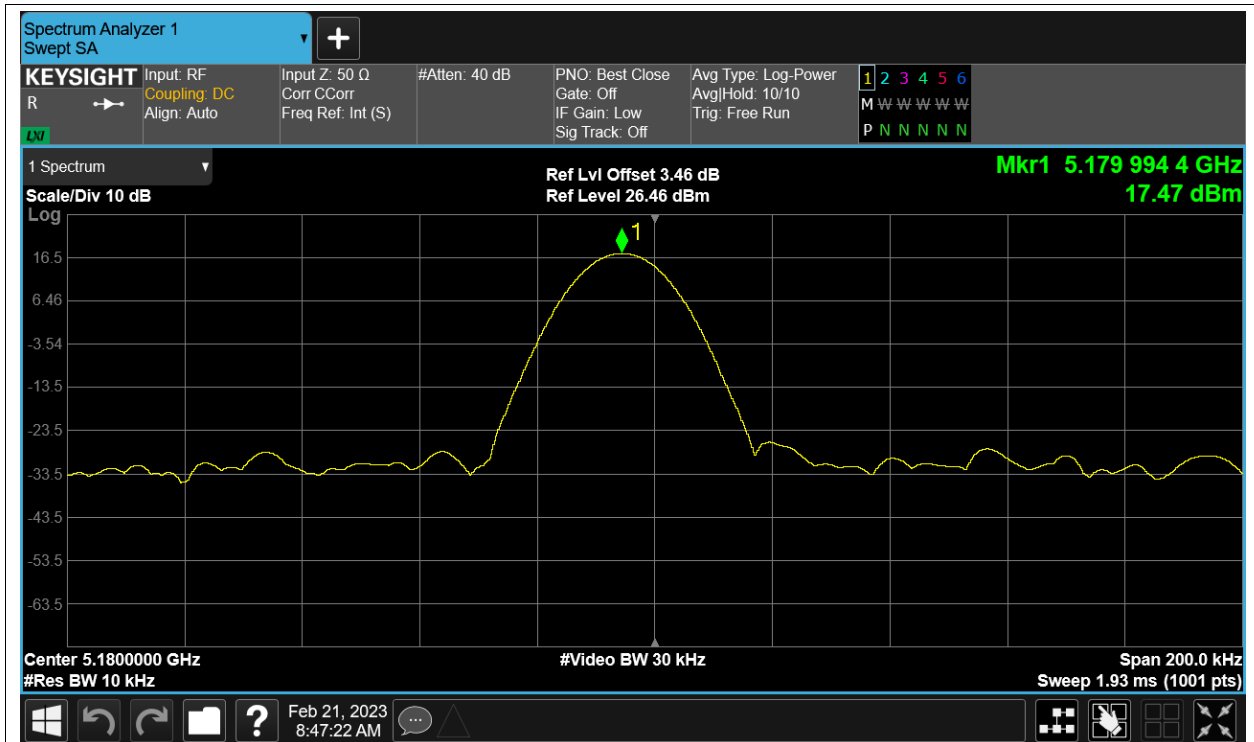
Freq. Stability HVNT a 5180MHz Ant1



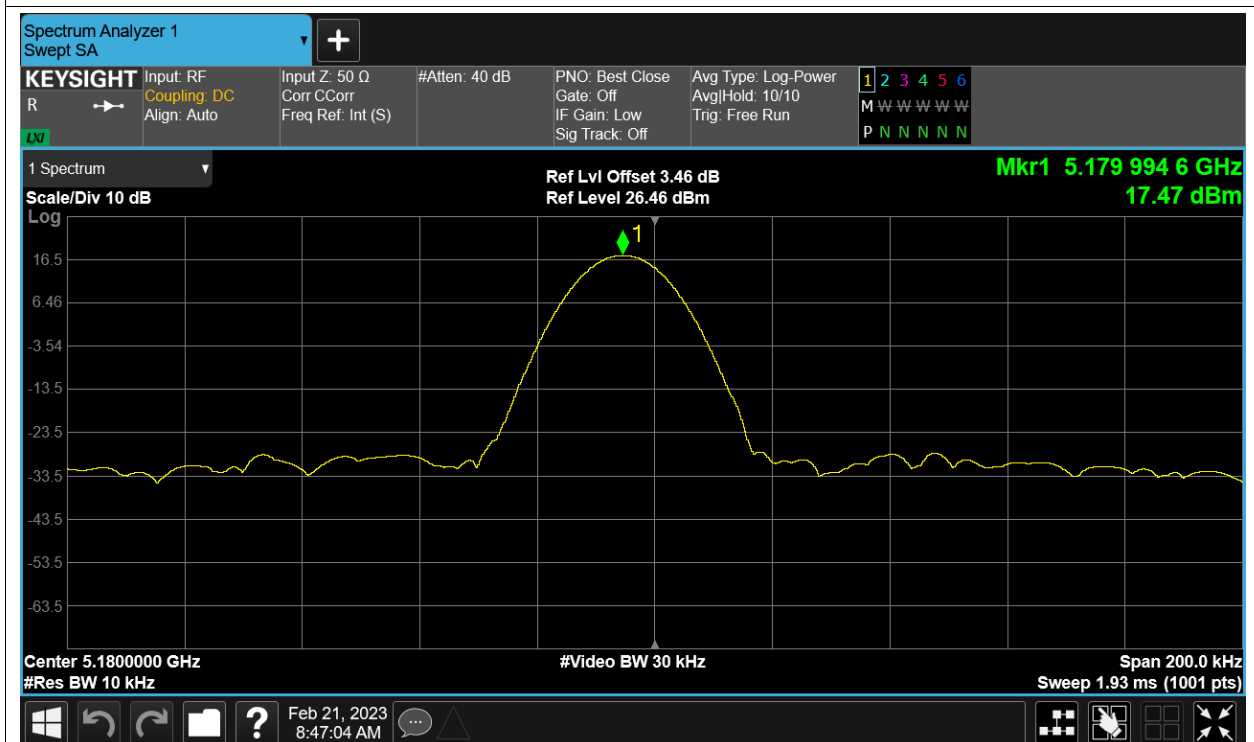
Freq. Stability LVNT a 5180MHz Ant1



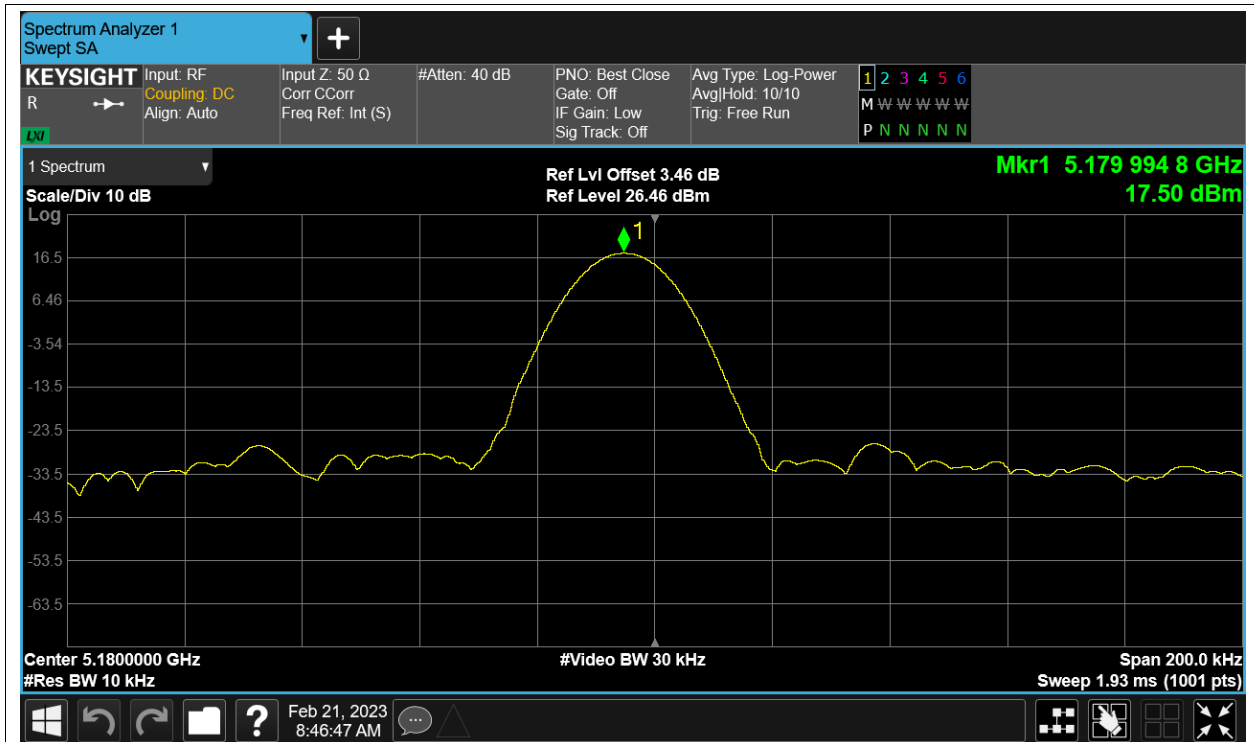
Freq. Stability NVHT a 5180MHz Ant1



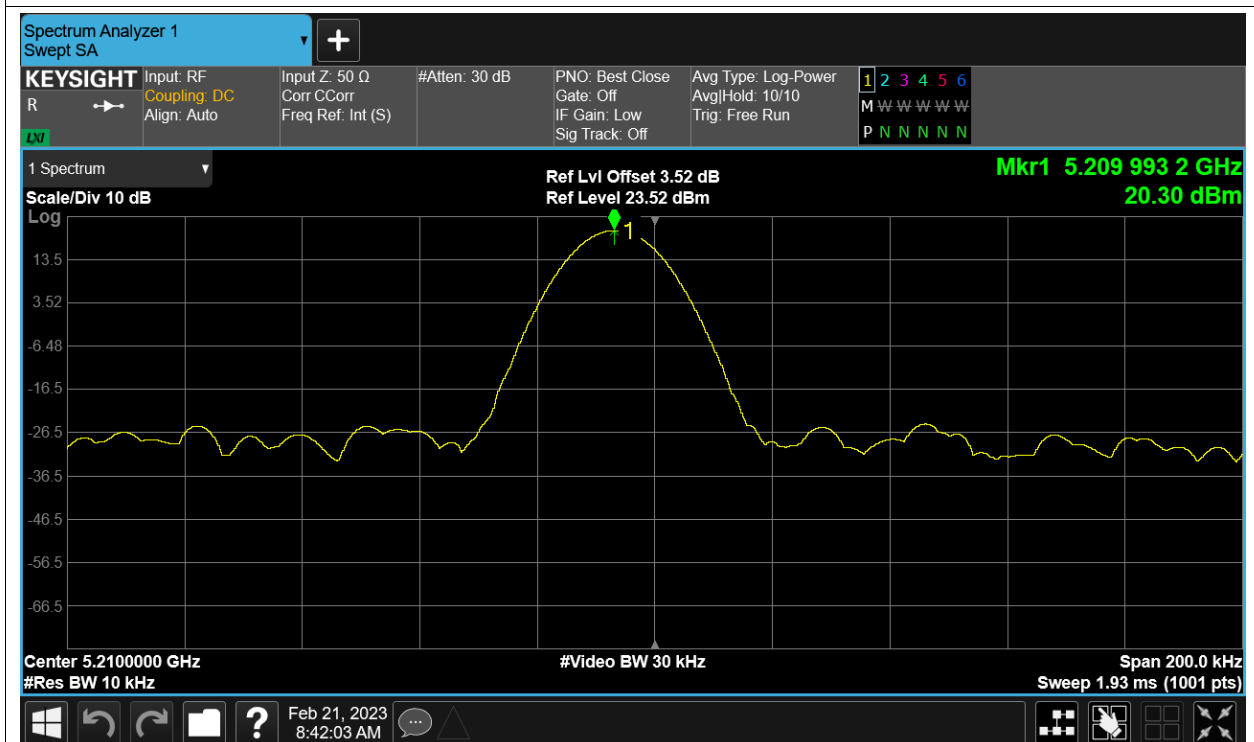
Freq. Stability NVLT a 5180MHz Ant1



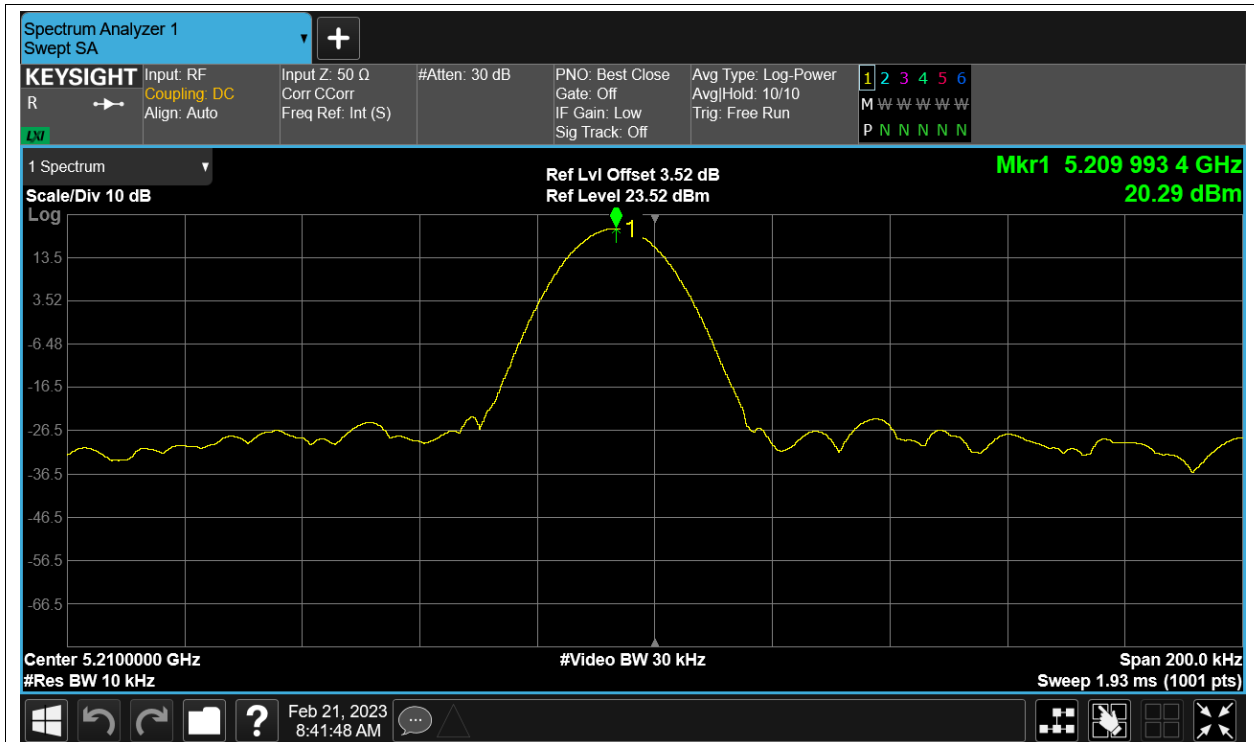
Freq. Stability NVNT a 5180MHz Ant1



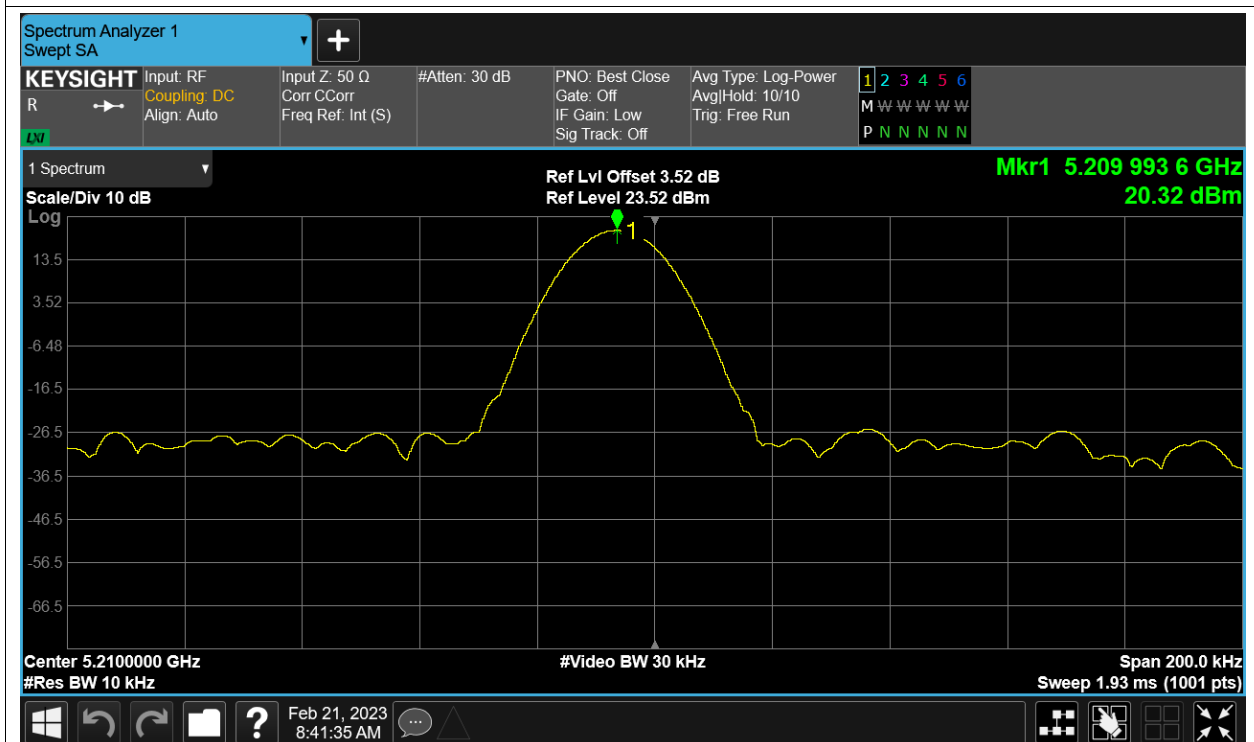
Freq. Stability HVNT ac80 5210MHz Ant1



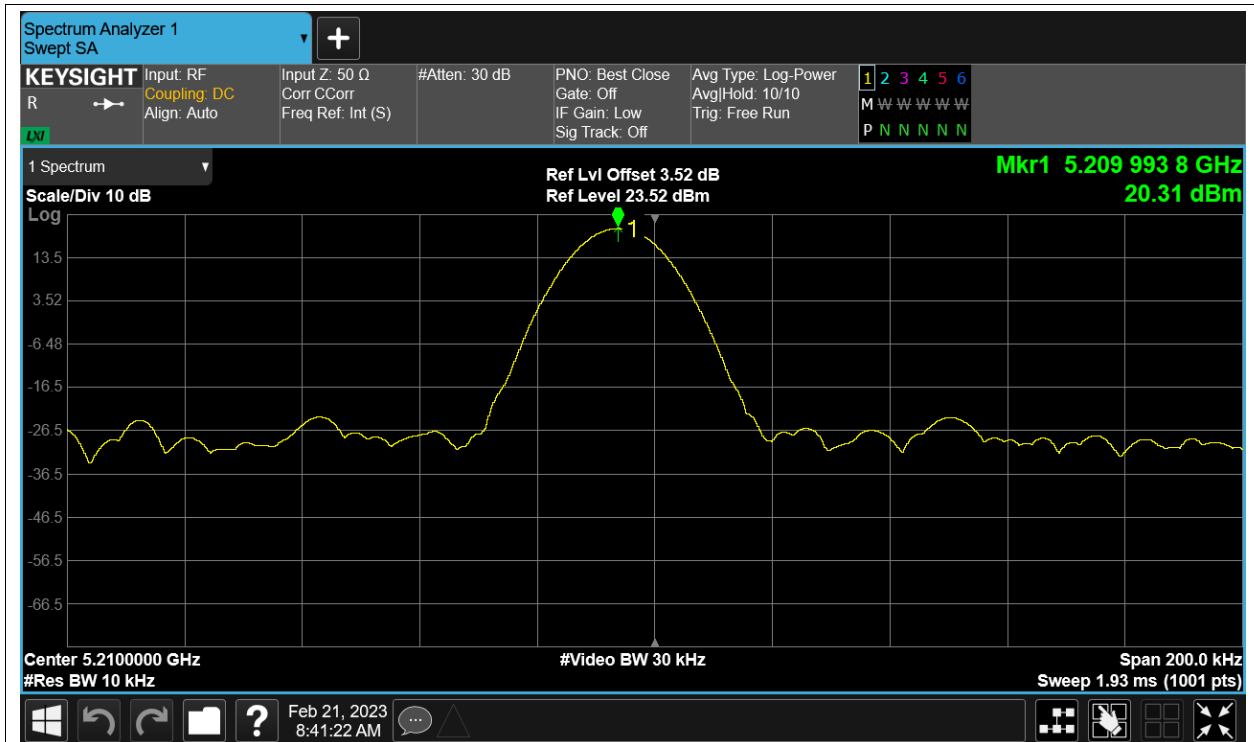
Freq. Stability LVNT ac80 5210MHz Ant1



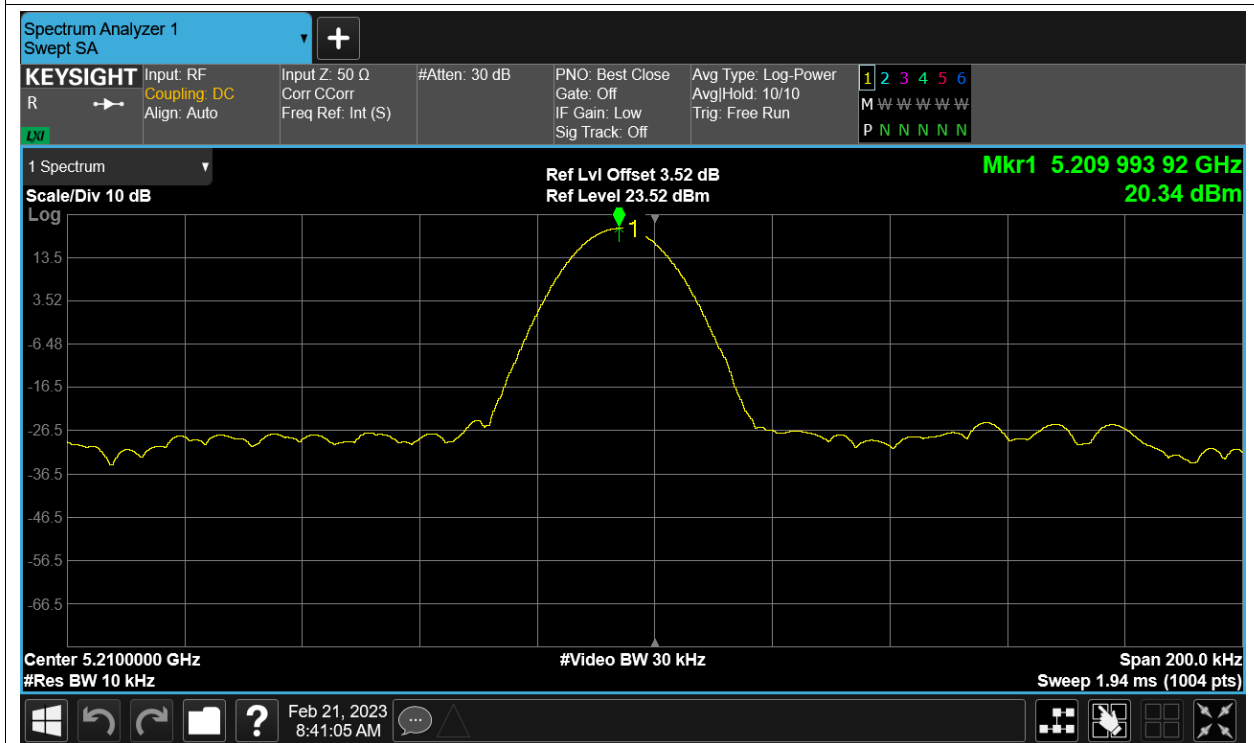
Freq. Stability NVHT ac80 5210MHz Ant1



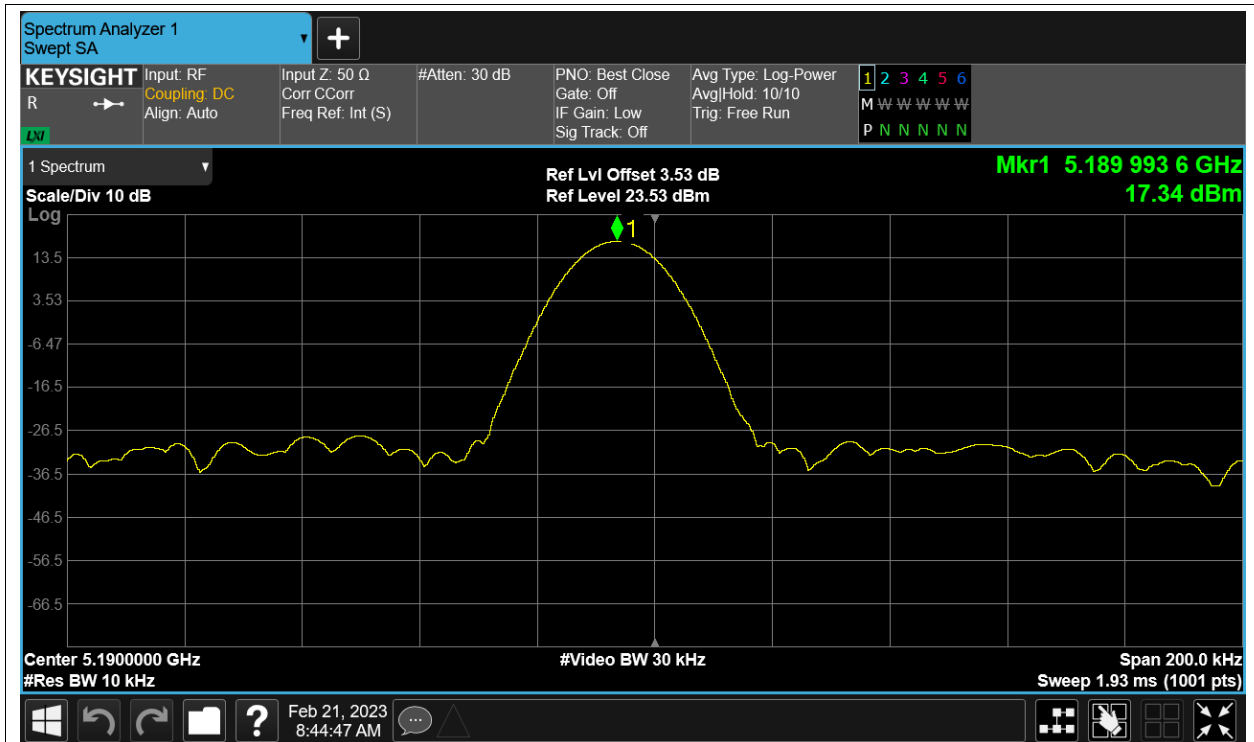
Freq. Stability NVLT ac80 5210MHz Ant1



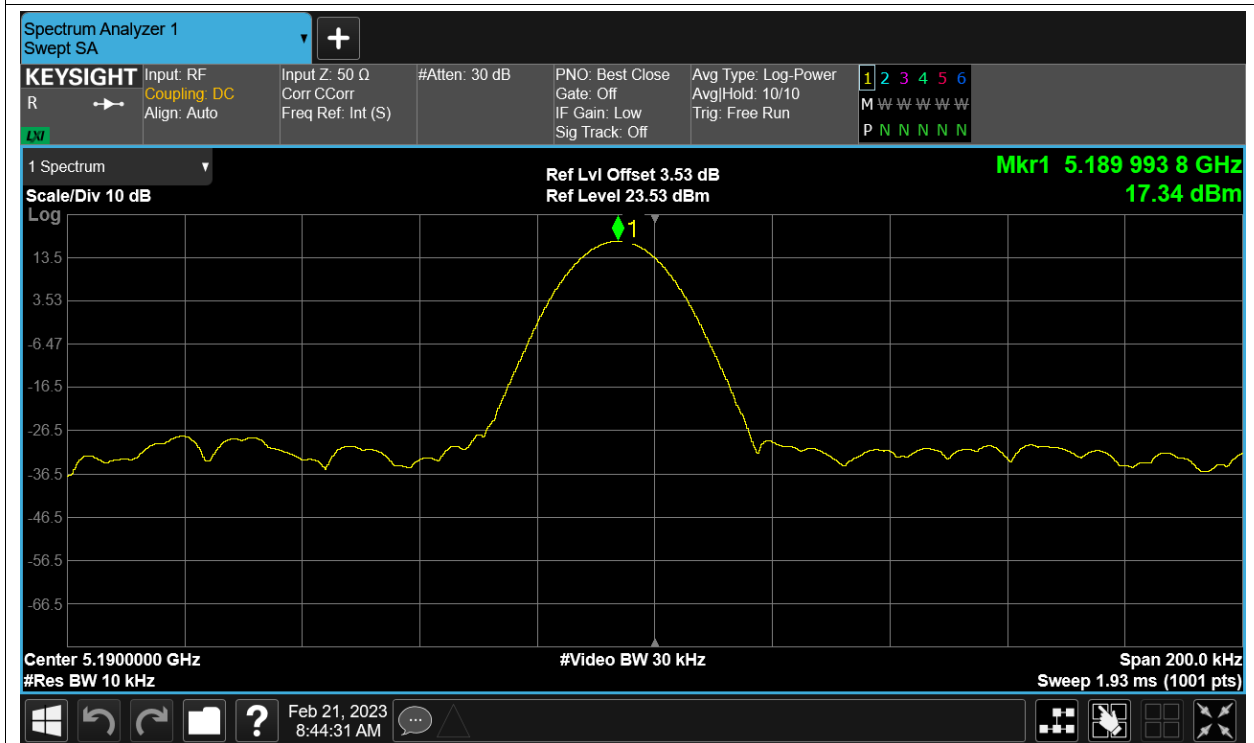
Freq. Stability NVNT ac80 5210MHz Ant1



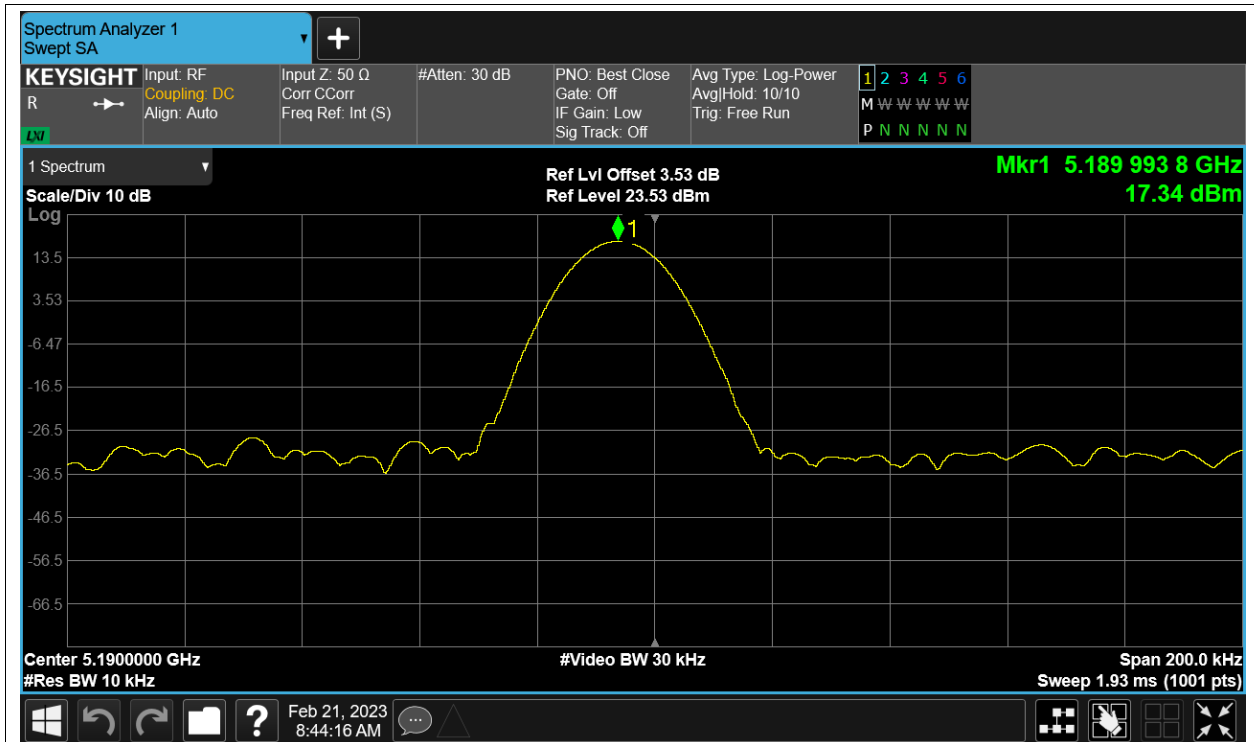
Freq. Stability HVNT n40 5190MHz Ant1



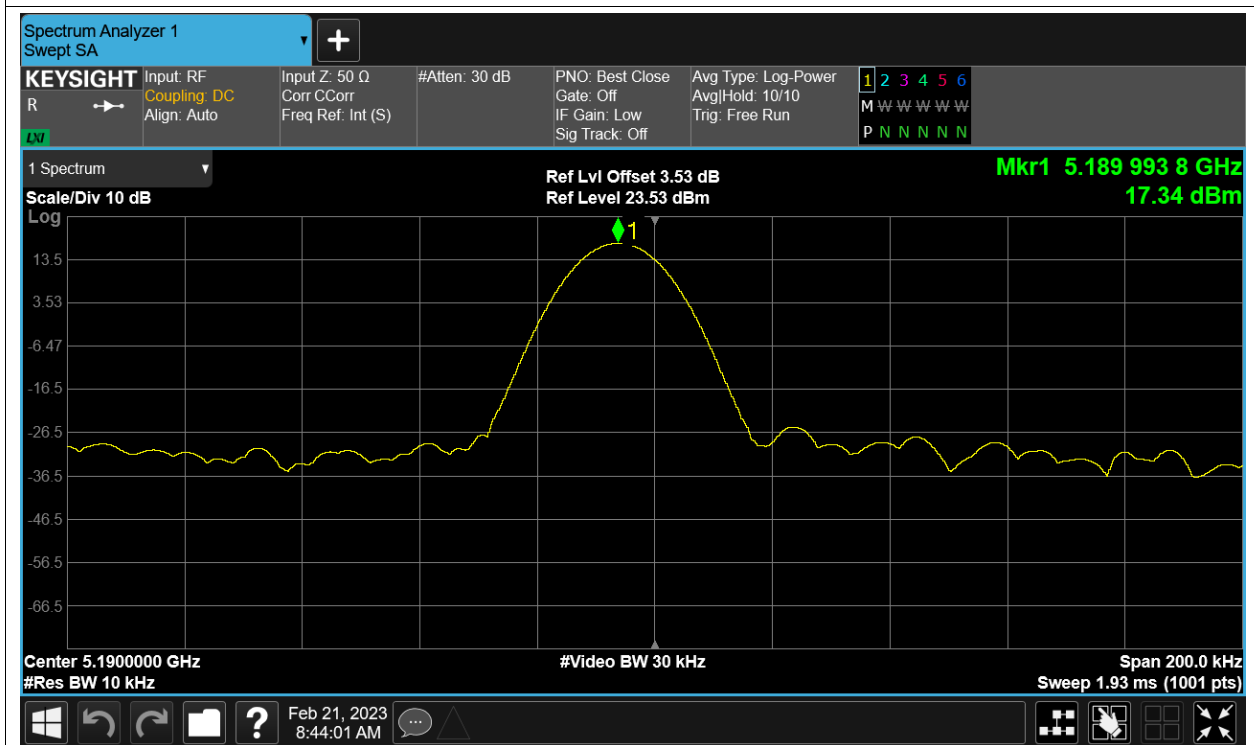
Freq. Stability LVNT n40 5190MHz Ant1



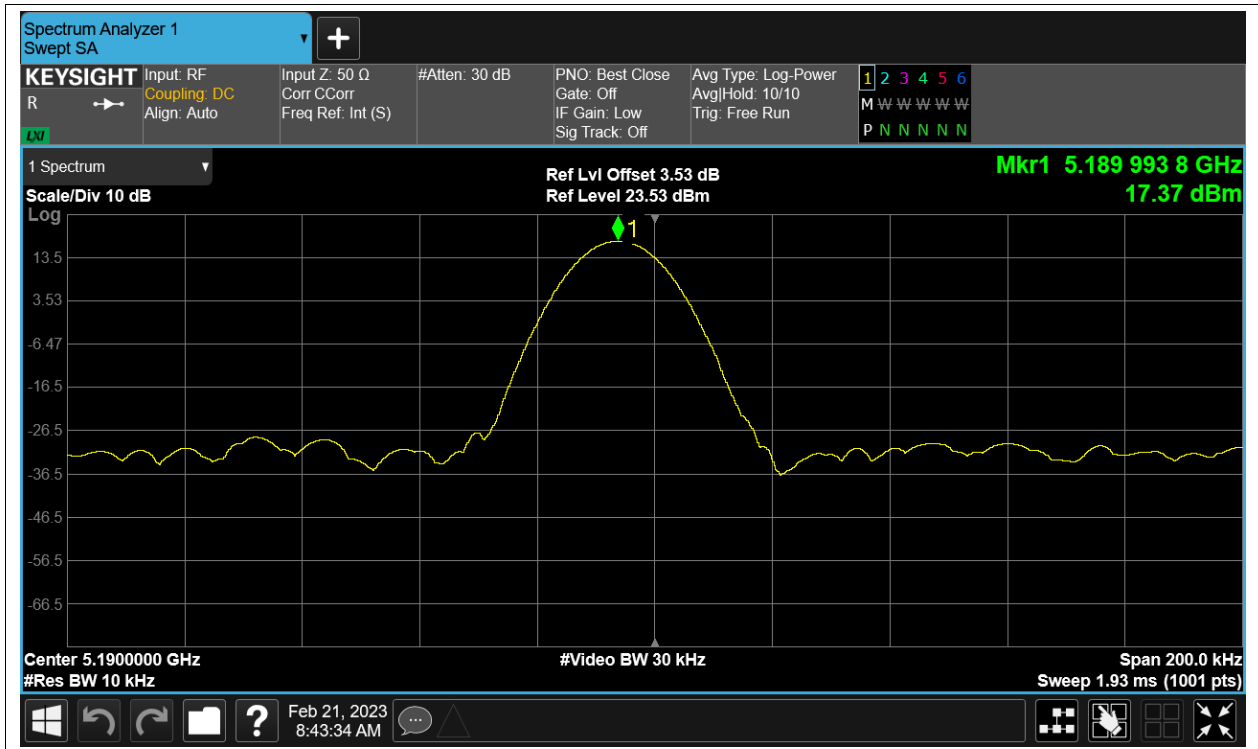
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

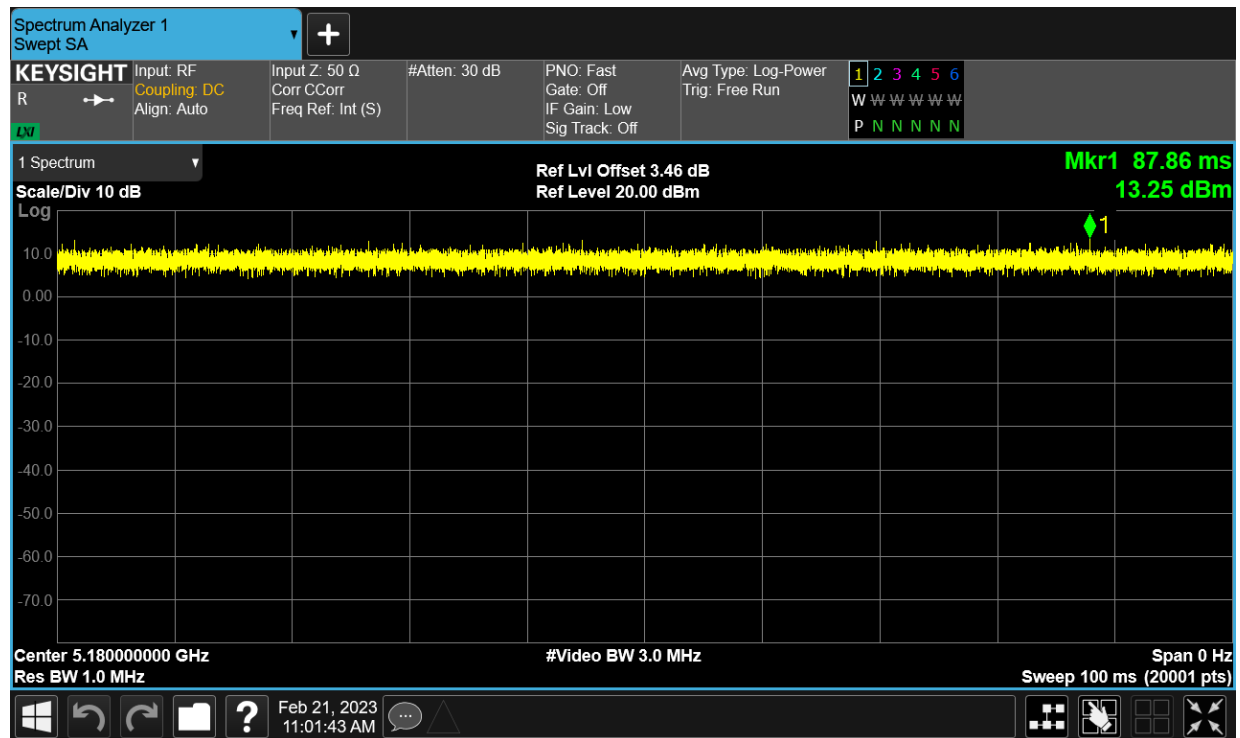


Duty Cycle

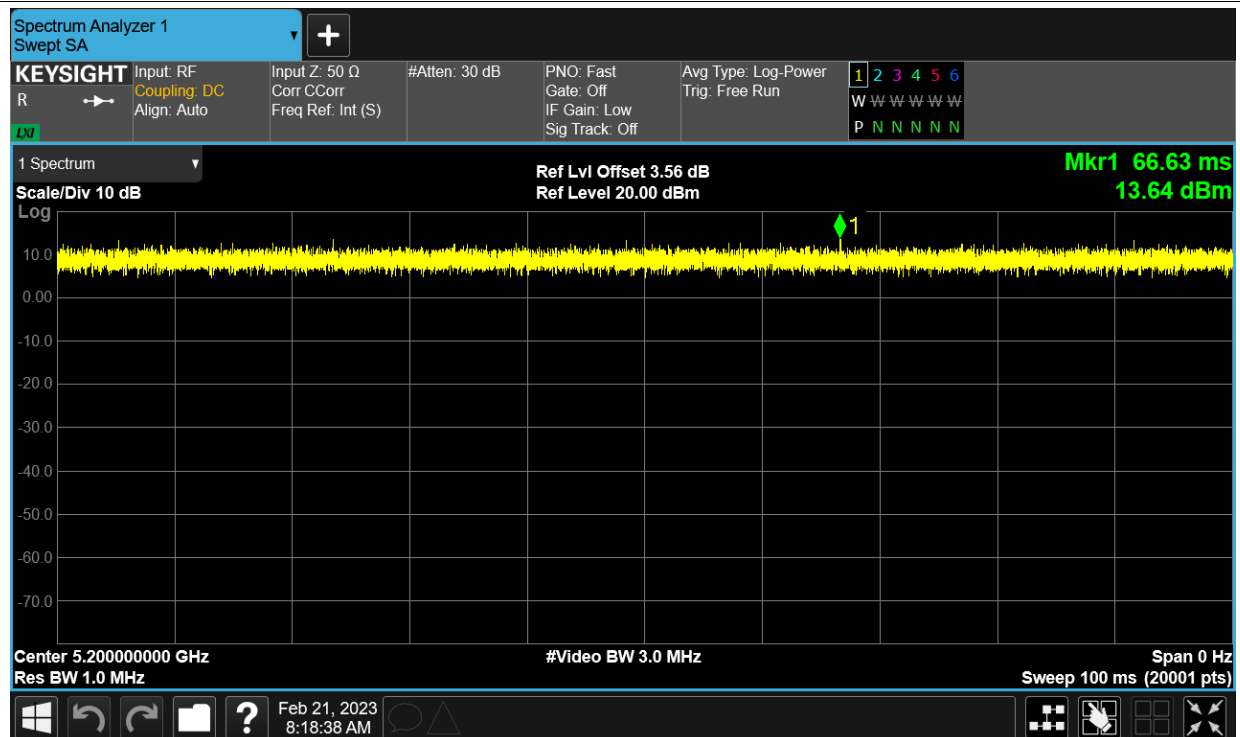
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
NVNT	ac80	5210	Ant1	100	0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

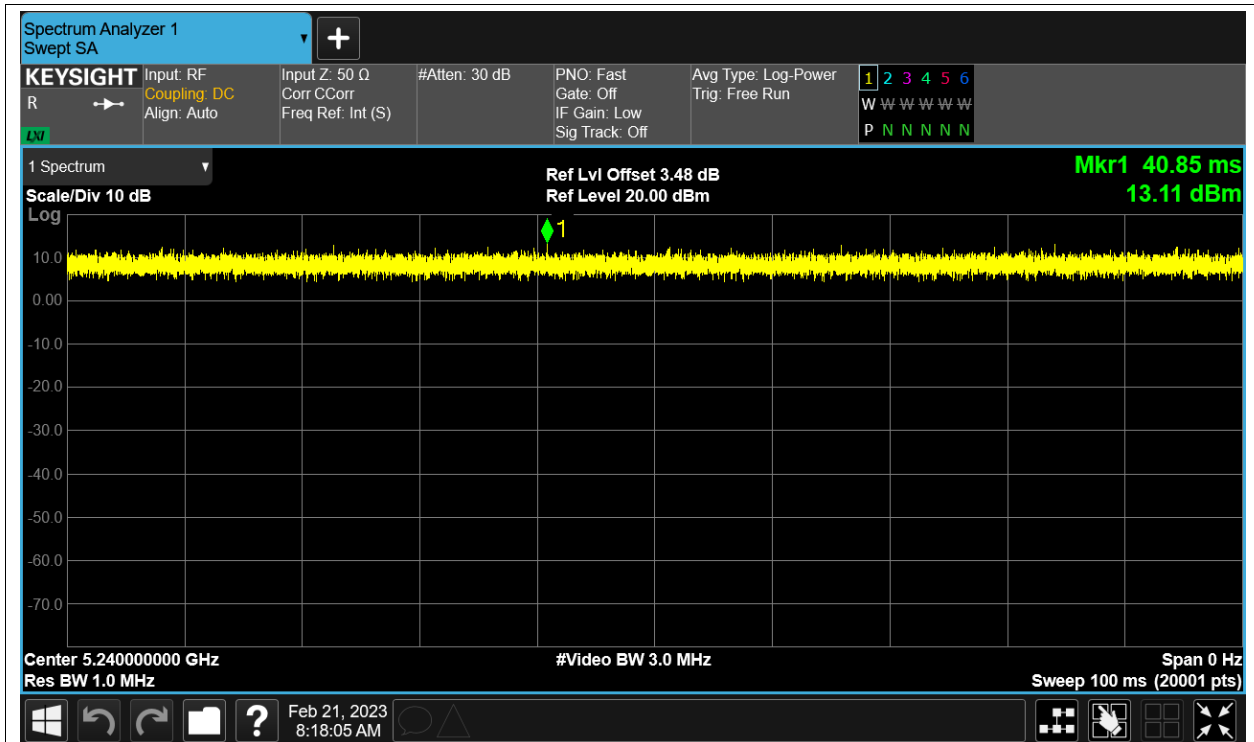
Duty Cycle NVNT a 5180MHz Ant1



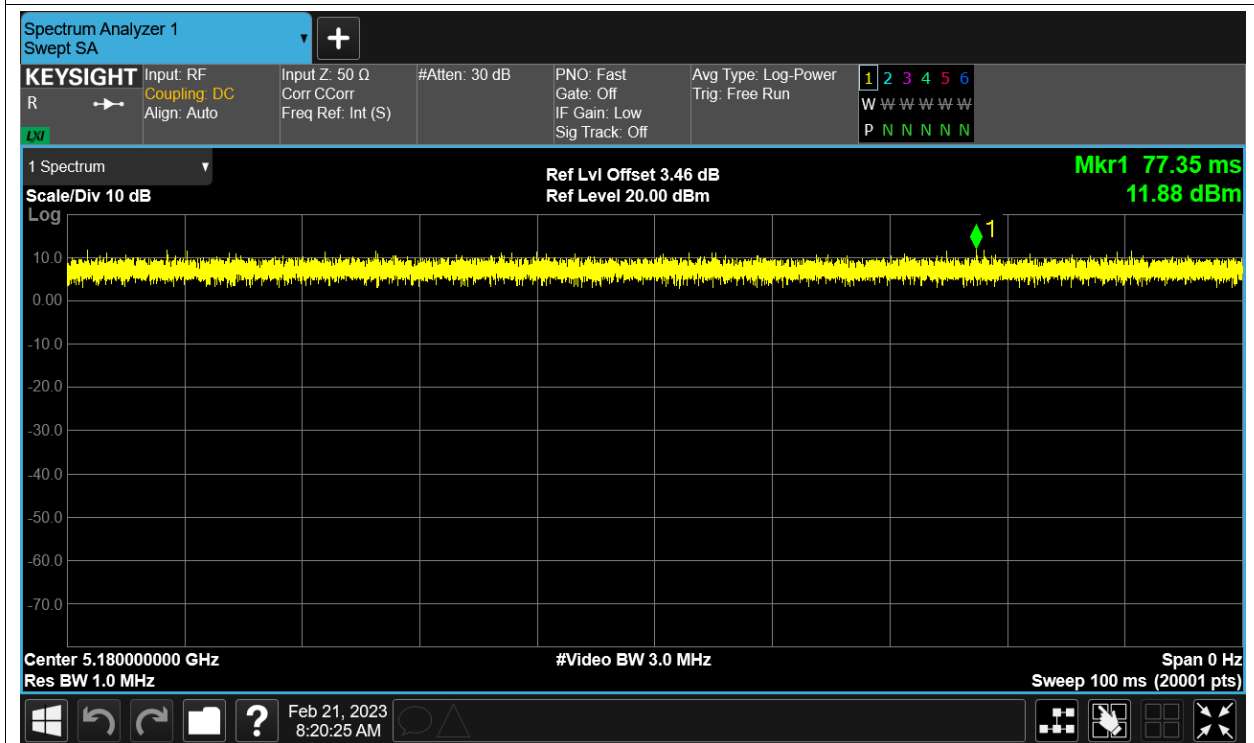
Duty Cycle NVNT a 5200MHz Ant1



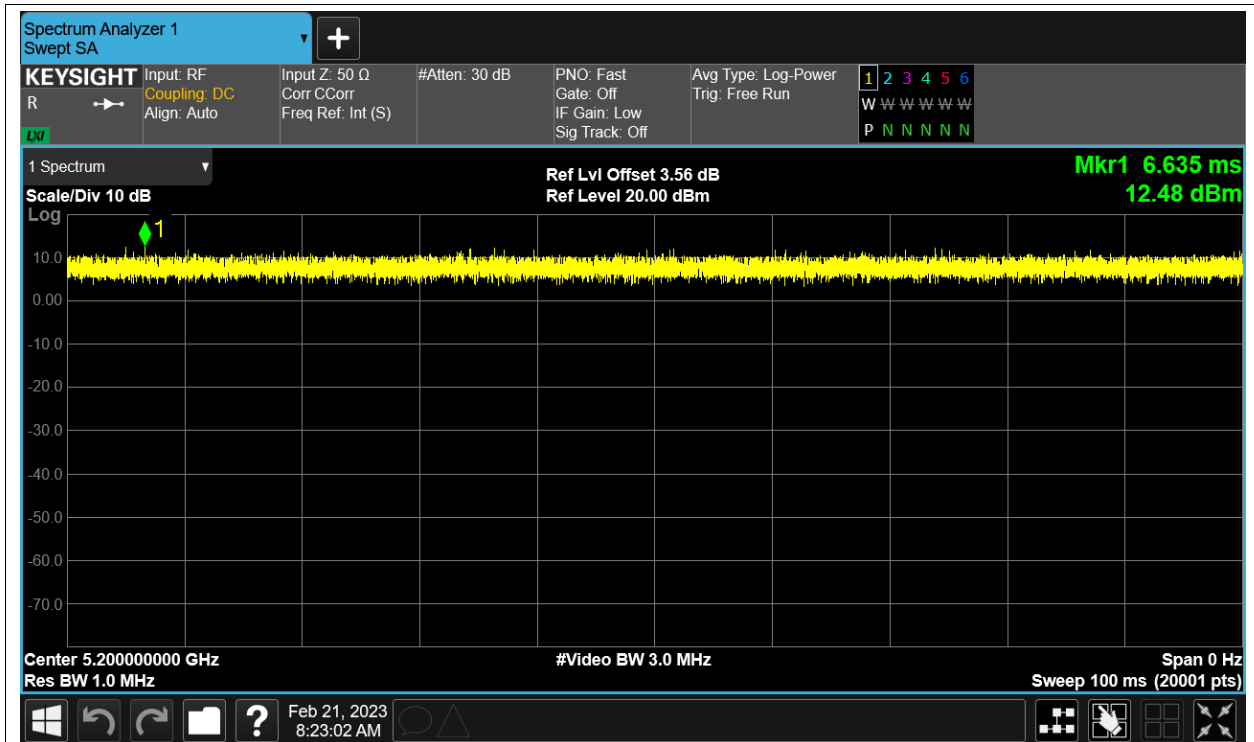
Duty Cycle NVNT a 5240MHz Ant1



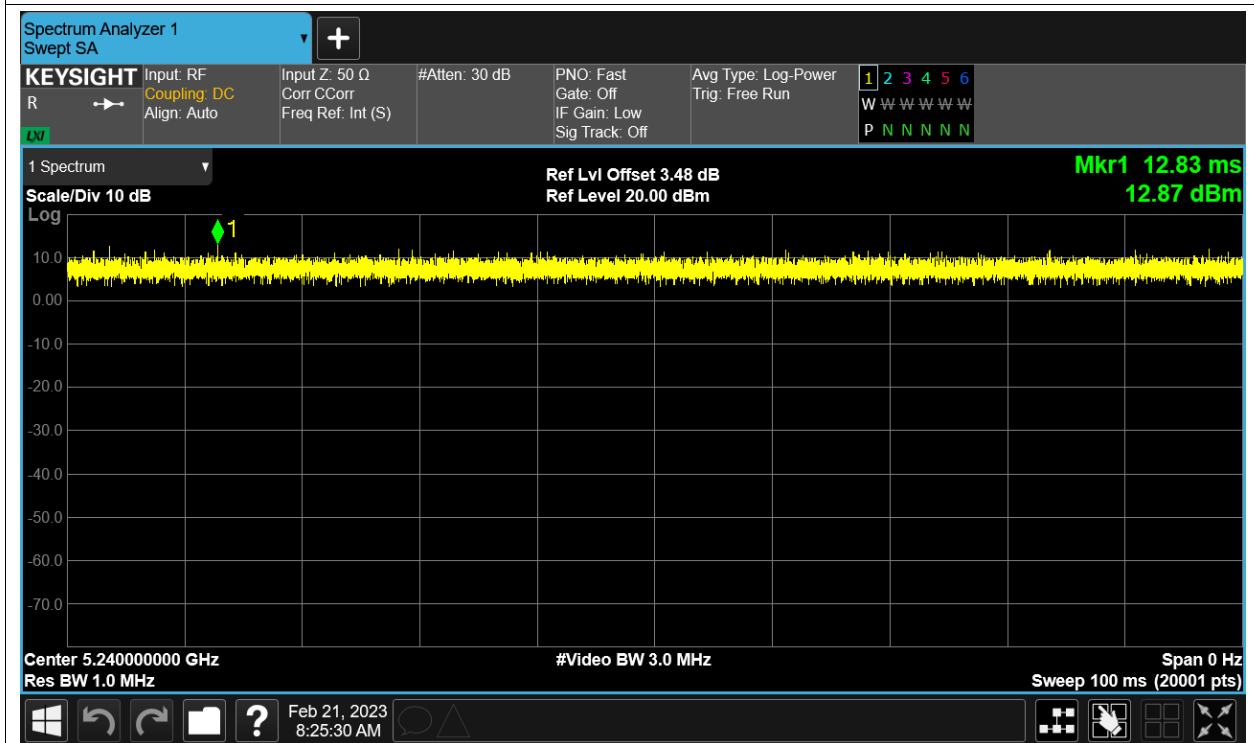
Duty Cycle NVNT ac20 5180MHz Ant1



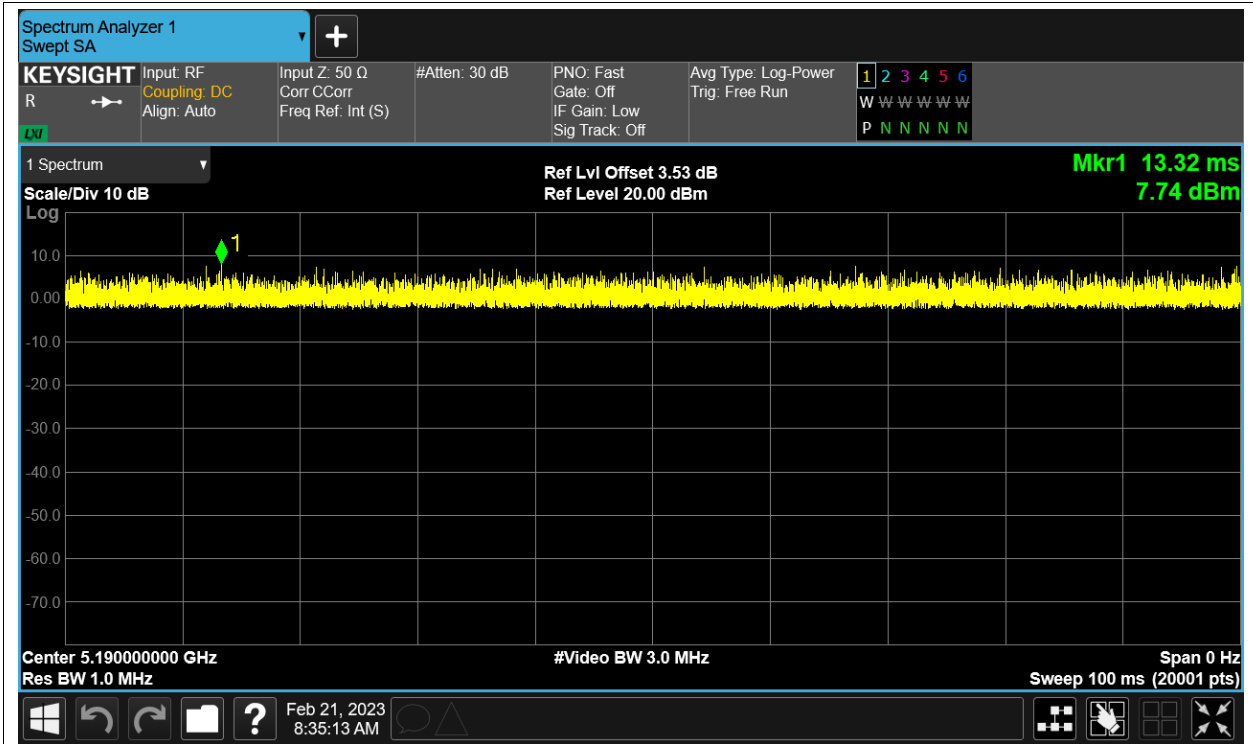
Duty Cycle NVNT ac20 5200MHz Ant1



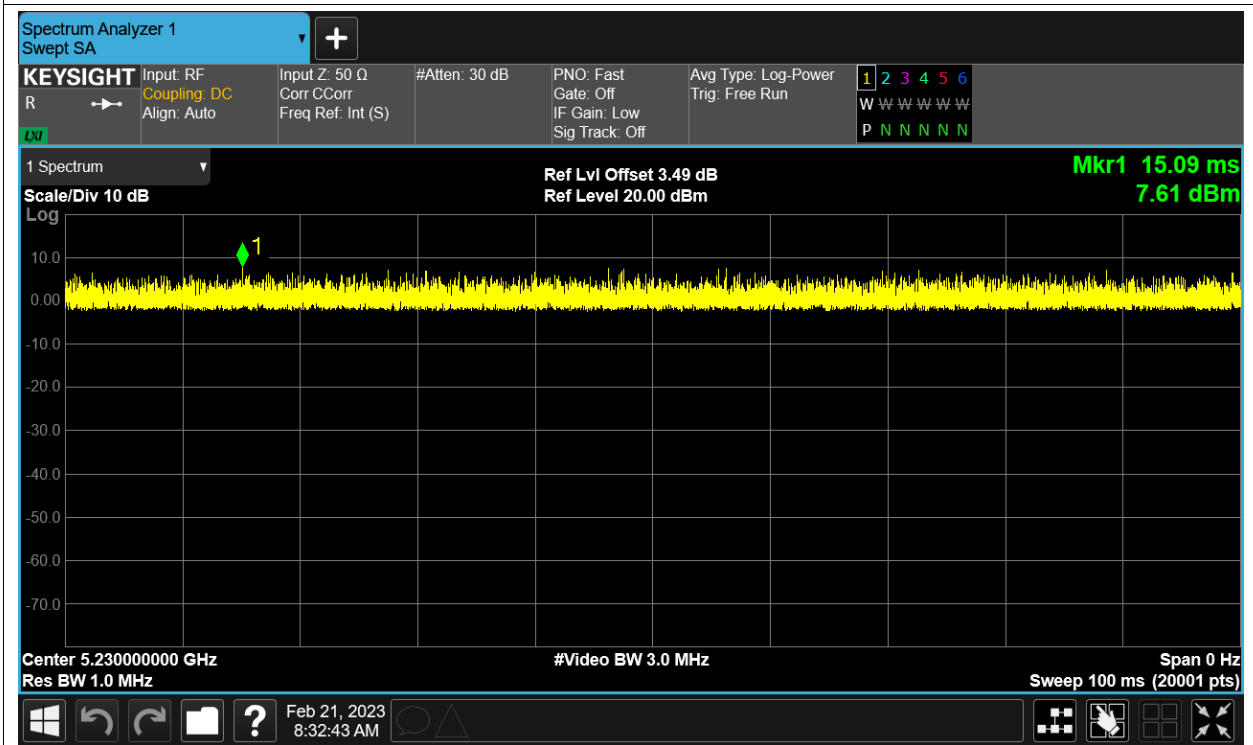
Duty Cycle NVNT ac20 5240MHz Ant1



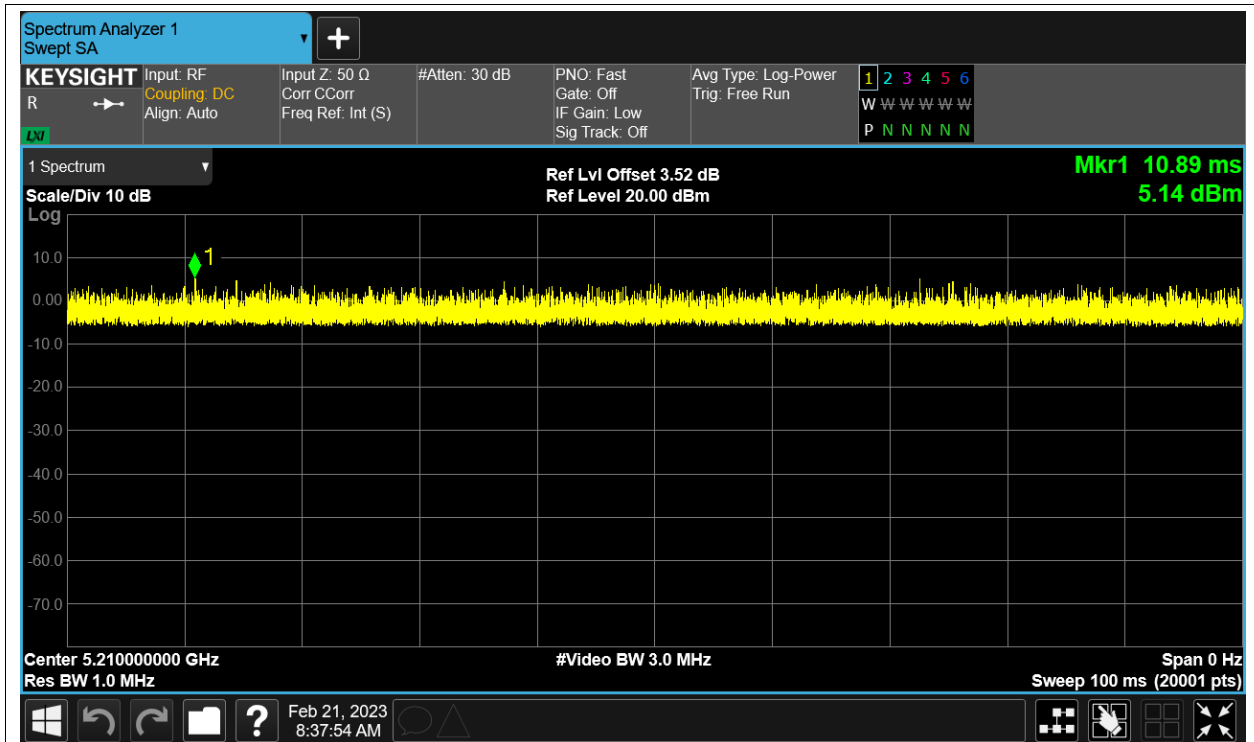
Duty Cycle NVNT ac40 5190MHz Ant1



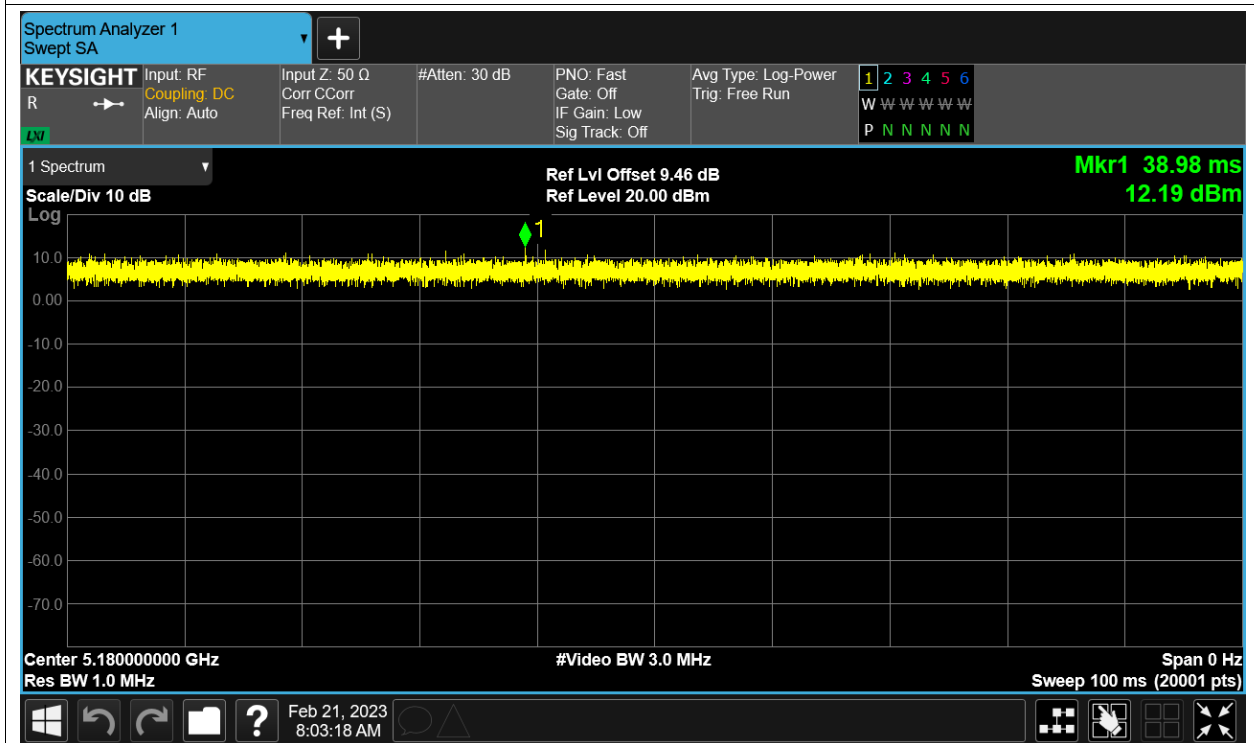
Duty Cycle NVNT ac40 5230MHz Ant1



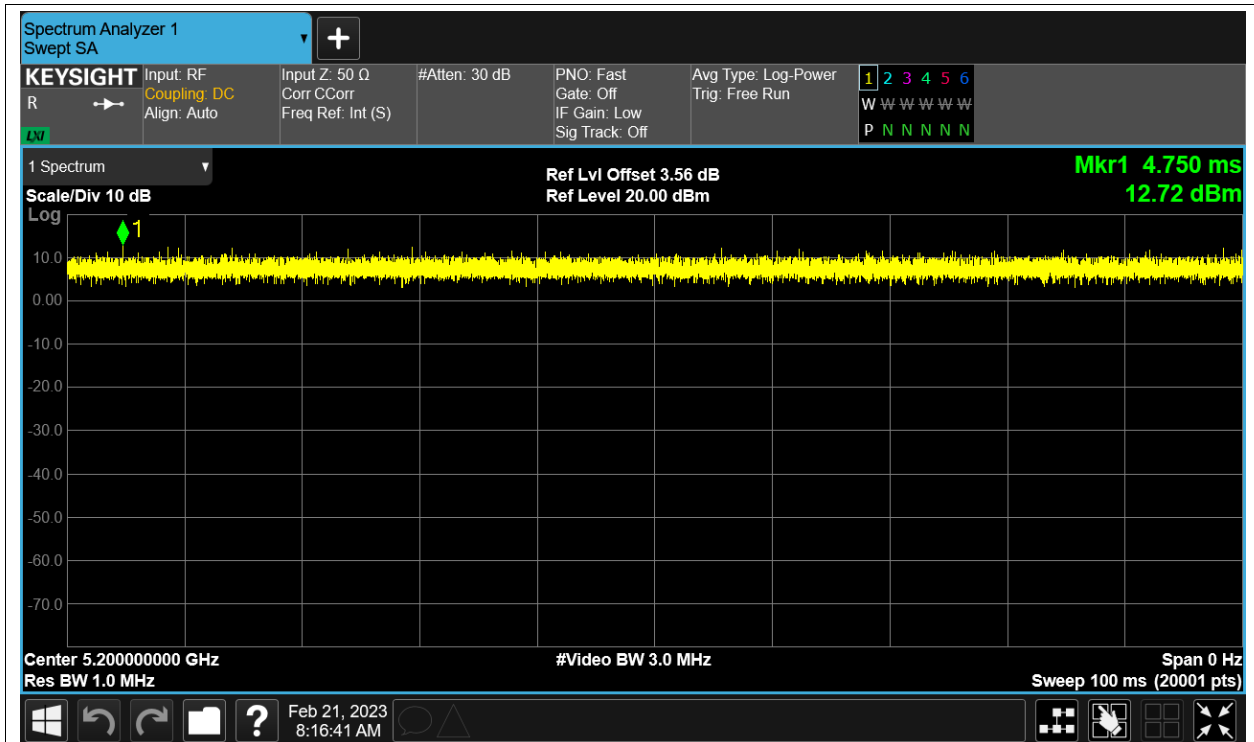
Duty Cycle NVNT ac80 5210MHz Ant1



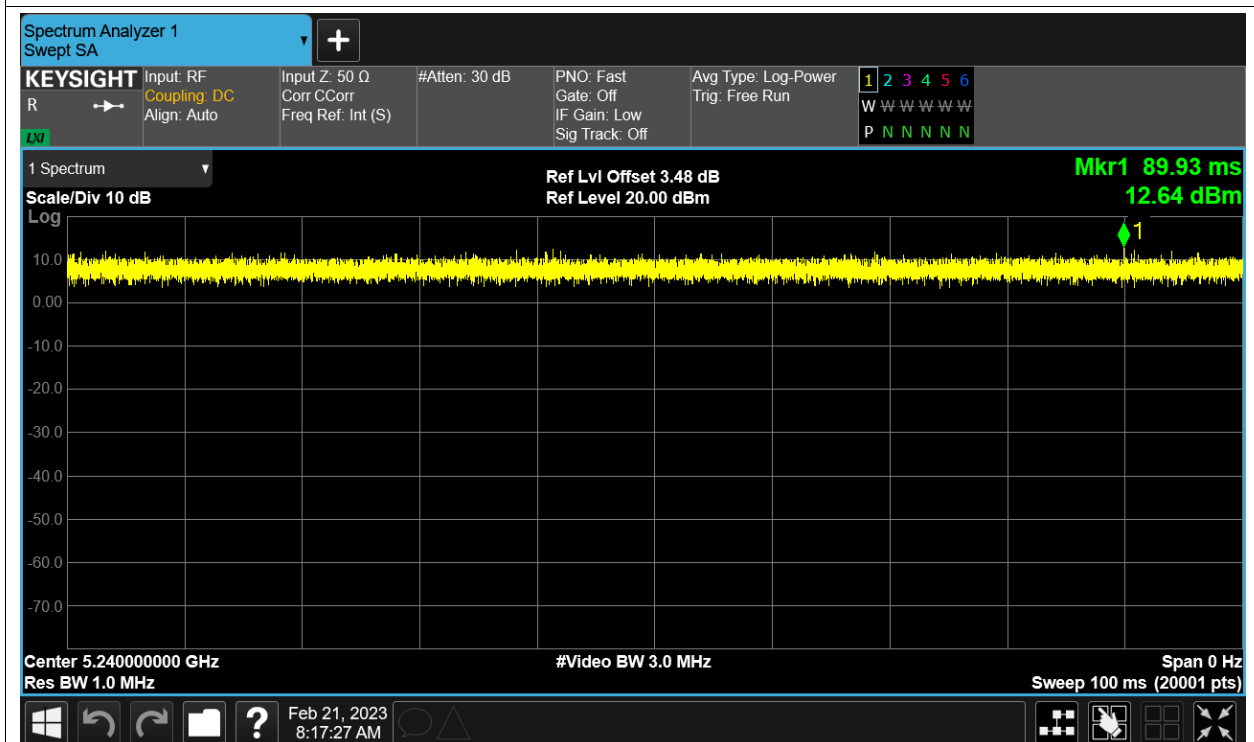
Duty Cycle NVNT n20 5180MHz Ant1



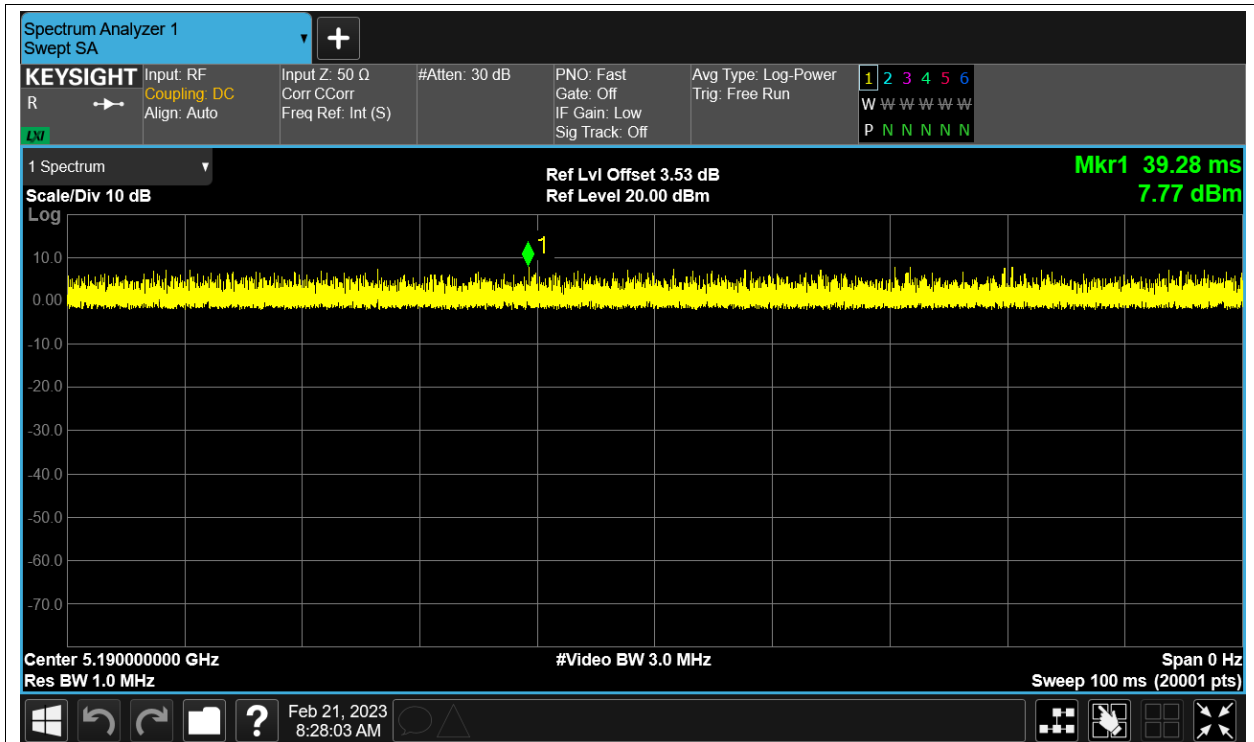
Duty Cycle NVNT n20 5200MHz Ant1



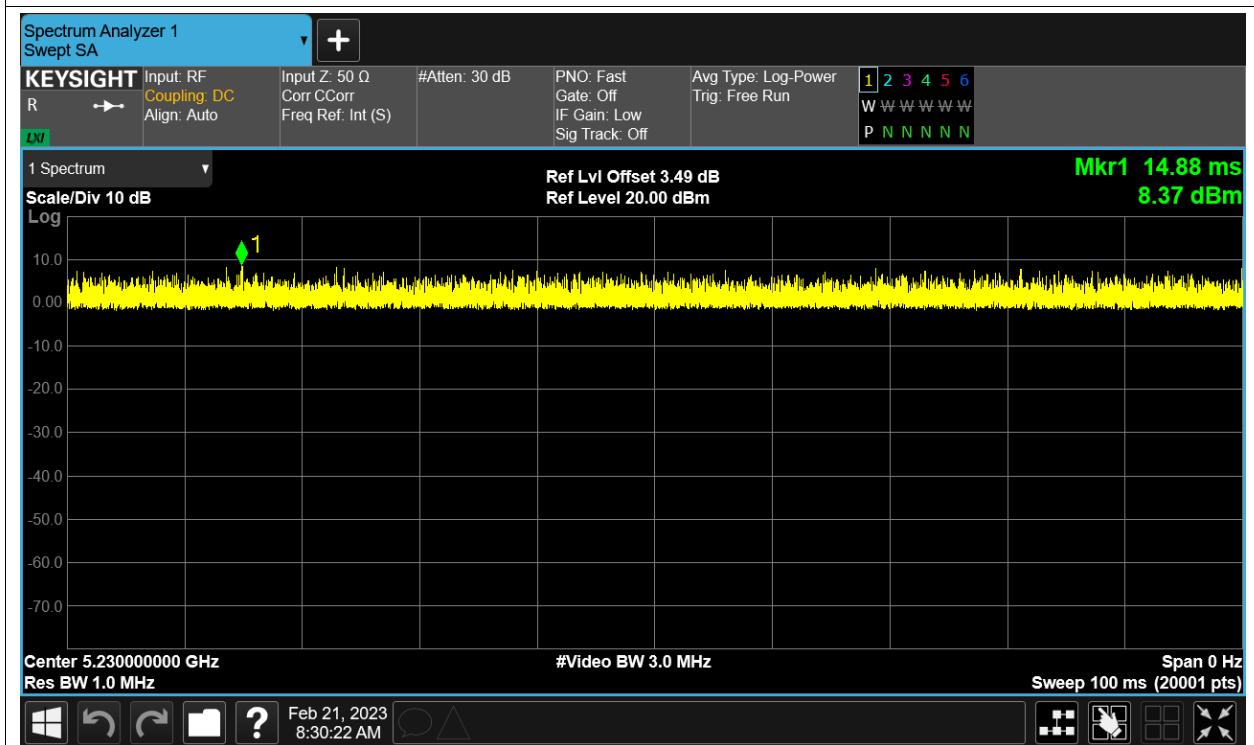
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

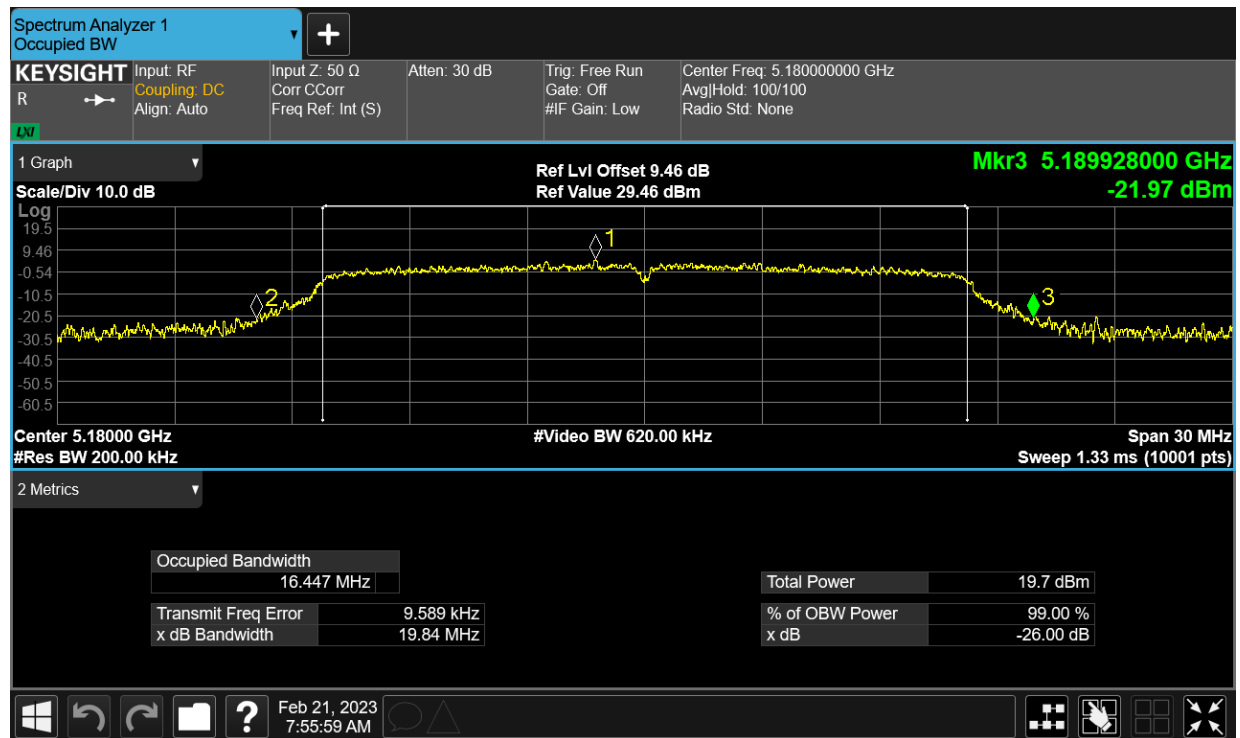
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	16.35	0	16.35	24	Pass
NVNT	a	5200	Ant1	15.72	0	15.72	24	Pass
NVNT	a	5240	Ant1	16	0	16	24	Pass
NVNT	ac20	5180	Ant1	15.18	0	15.18	24	Pass
NVNT	ac20	5200	Ant1	14.64	0	14.64	24	Pass
NVNT	ac20	5240	Ant1	15.04	0	15.04	24	Pass
NVNT	ac40	5190	Ant1	15.06	0	15.06	24	Pass
NVNT	ac40	5230	Ant1	14.93	0	14.93	24	Pass
NVNT	ac80	5210	Ant1	14.77	0	14.77	24	Pass
NVNT	n20	5180	Ant1	15.14	0	15.14	24	Pass
NVNT	n20	5200	Ant1	15.13	0	15.13	24	Pass
NVNT	n20	5240	Ant1	15.48	0	15.48	24	Pass
NVNT	n40	5190	Ant1	15.46	0	15.46	24	Pass
NVNT	n40	5230	Ant1	15.36	0	15.36	24	Pass

-26dB Bandwidth

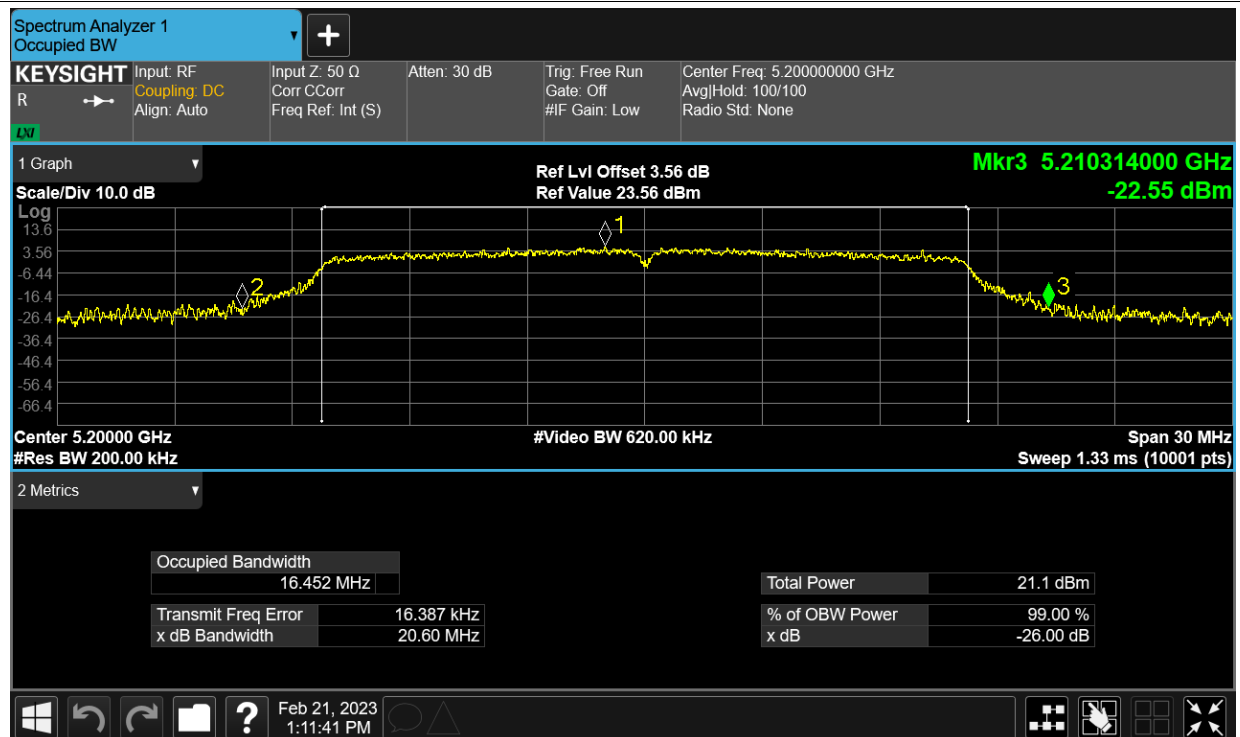
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	19.836
NVNT	a	5200	Ant1	20.595
NVNT	a	5240	Ant1	20.199
NVNT	ac20	5180	Ant1	19.972
NVNT	ac20	5200	Ant1	20.255
NVNT	ac20	5240	Ant1	19.932
NVNT	ac40	5190	Ant1	39.725
NVNT	ac40	5230	Ant1	38.837
NVNT	ac80	5210	Ant1	78.946
NVNT	n20	5180	Ant1	21.74
NVNT	n20	5200	Ant1	20.387
NVNT	n20	5240	Ant1	22.296
NVNT	n40	5190	Ant1	39.728
NVNT	n40	5230	Ant1	39.485

Test Graphs

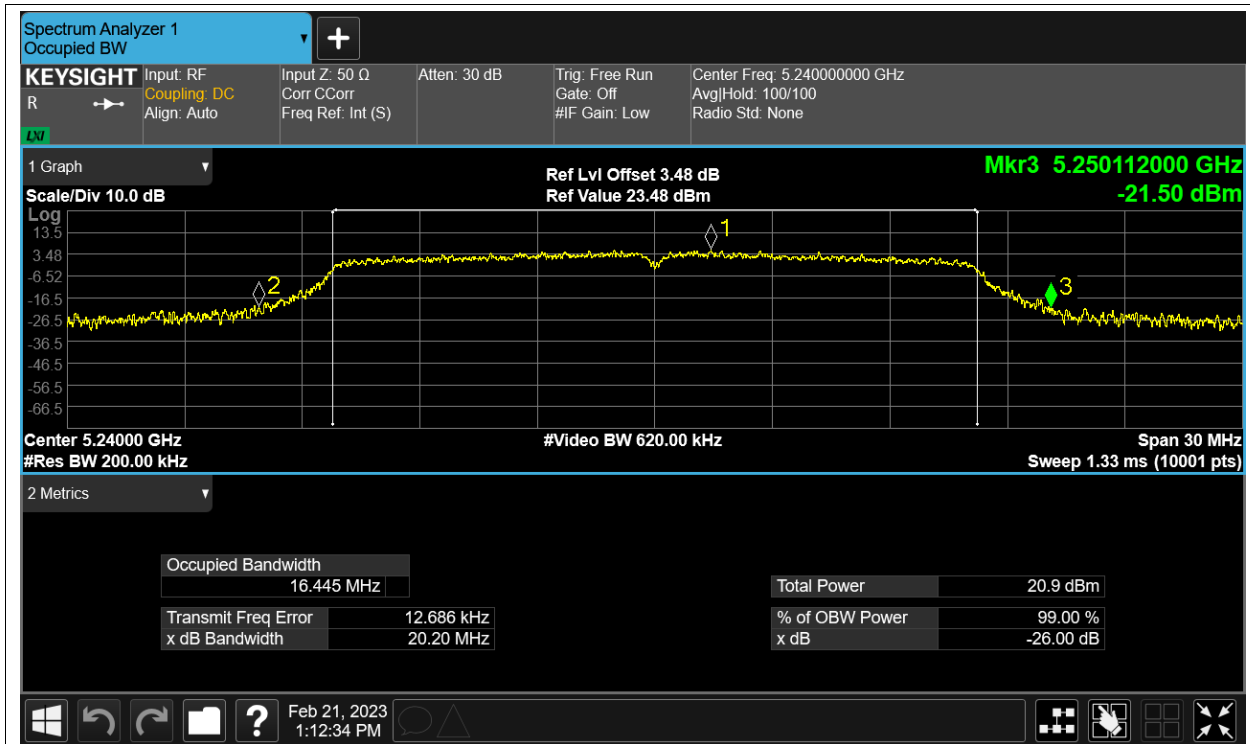
-26dB Bandwidth NVNT a 5180MHz Ant1



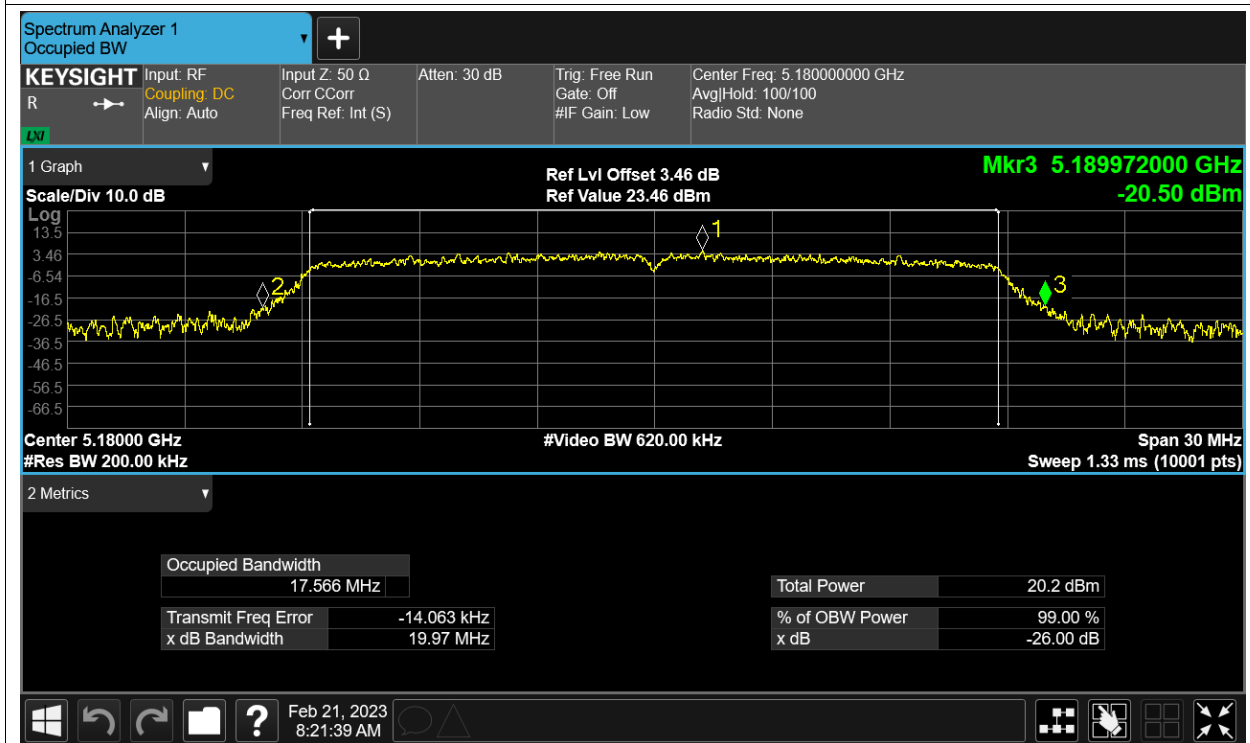
-26dB Bandwidth NVNT a 5200MHz Ant1



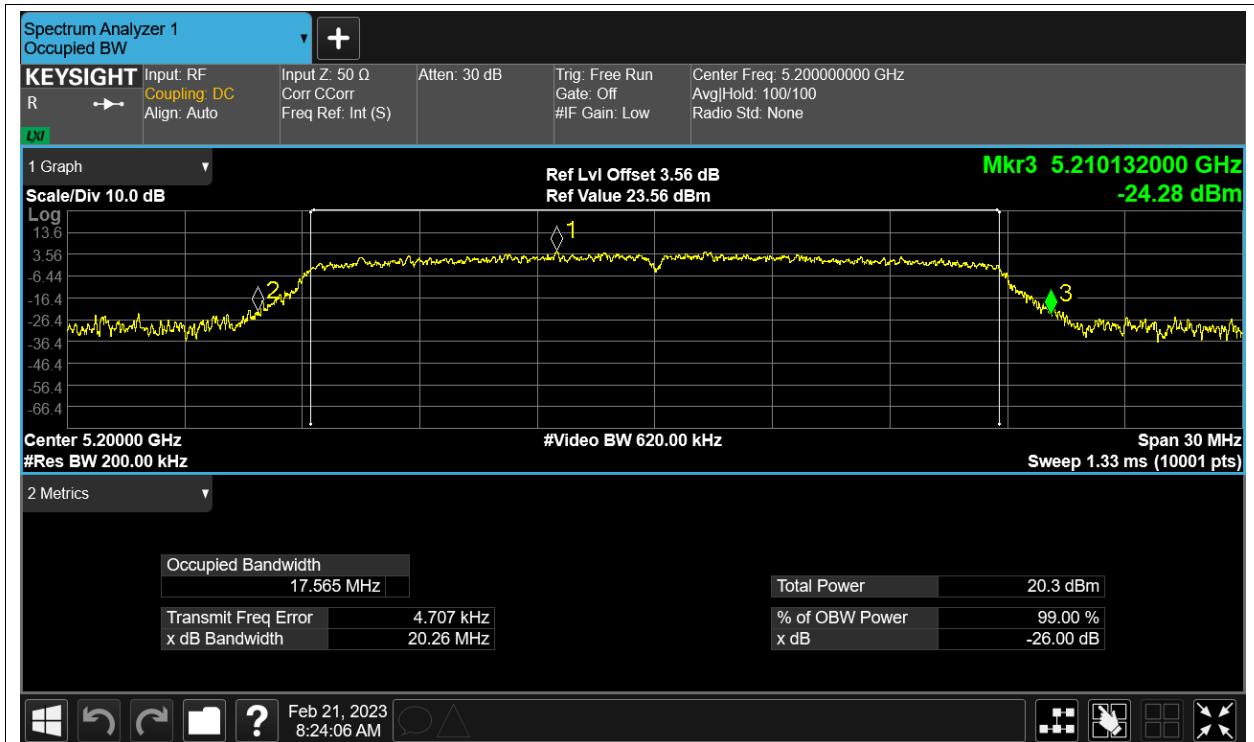
-26dB Bandwidth NVNT a 5240MHz Ant1



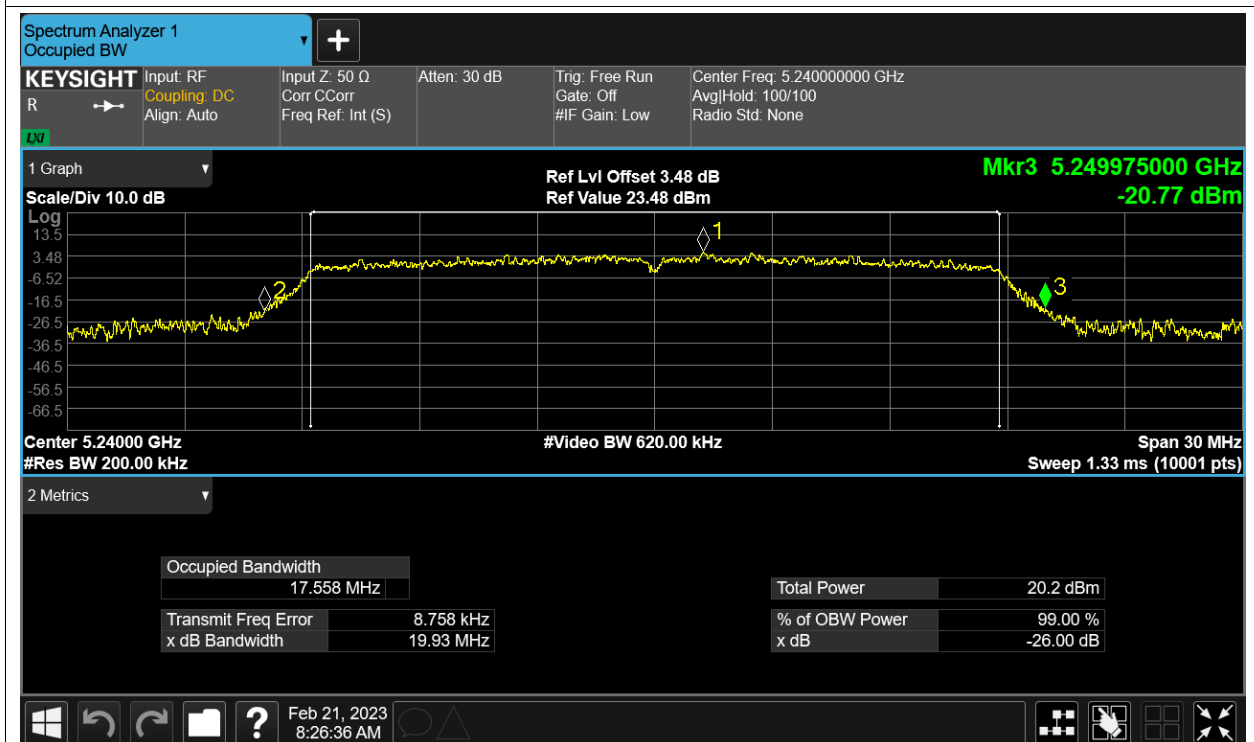
-26dB Bandwidth NVNT ac20 5180MHz Ant1



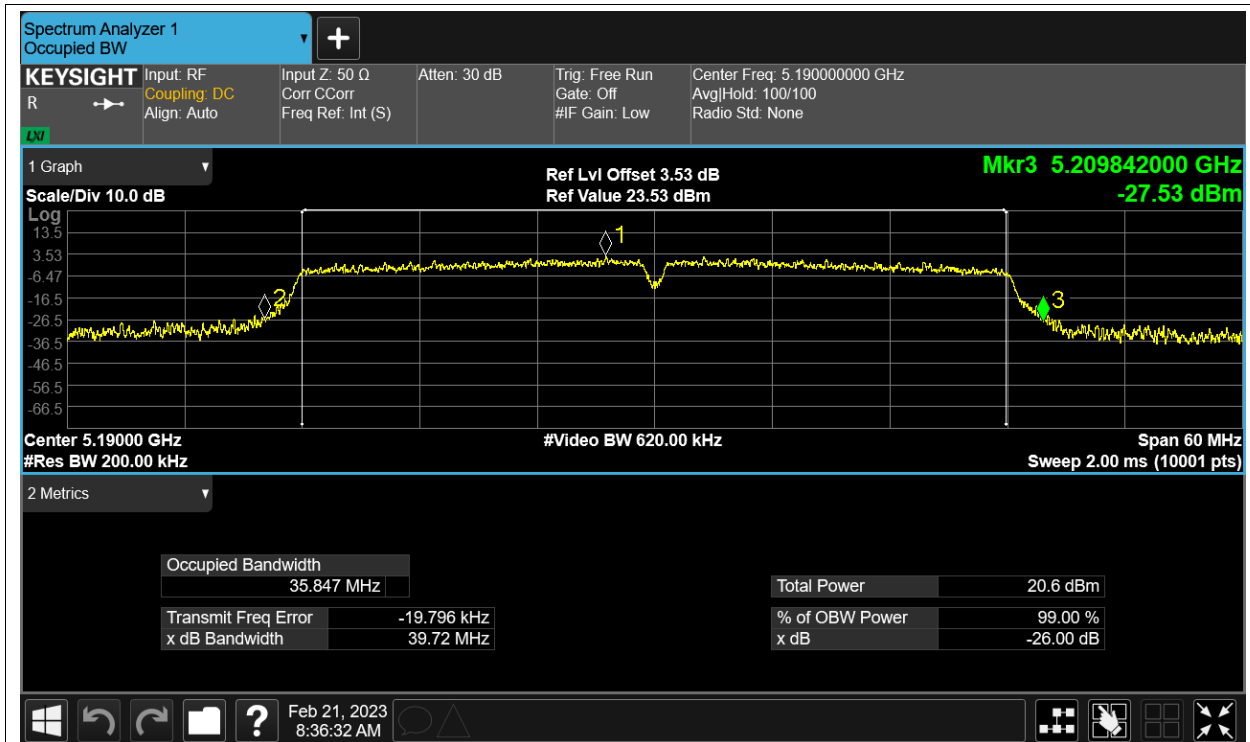
-26dB Bandwidth NVNT ac20 5200MHz Ant1



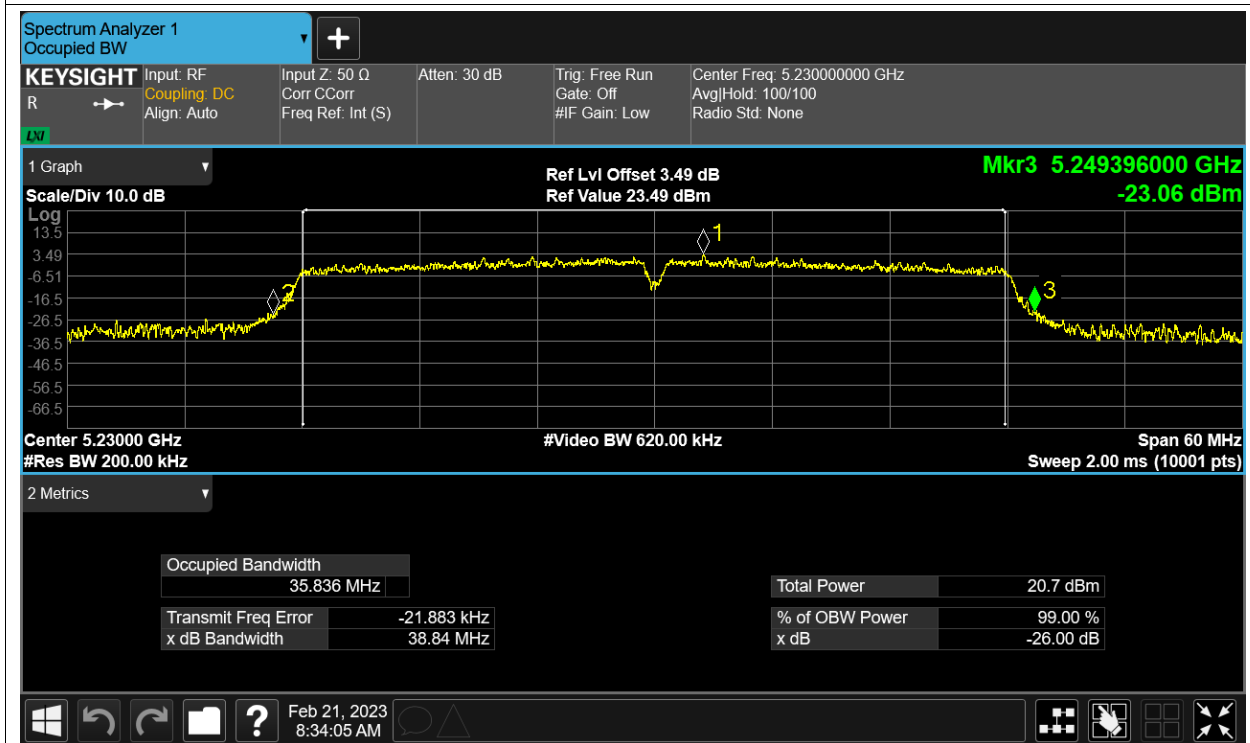
-26dB Bandwidth NVNT ac20 5240MHz Ant1



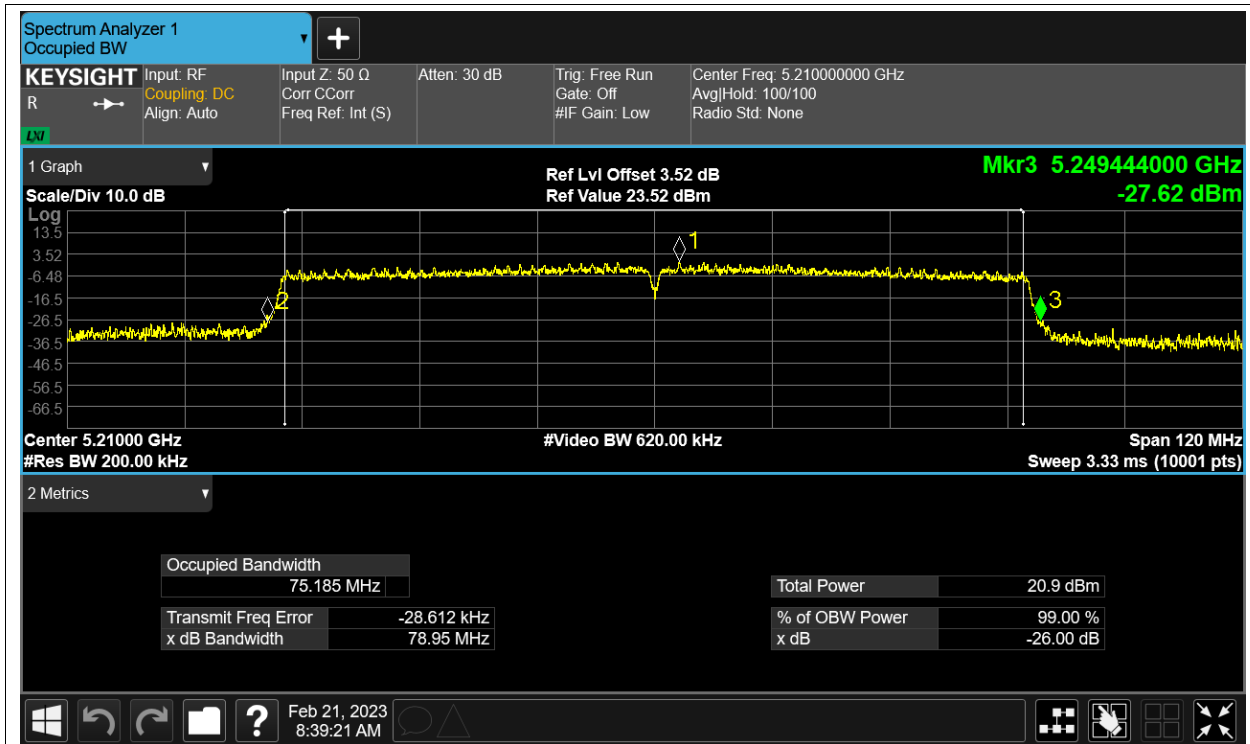
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



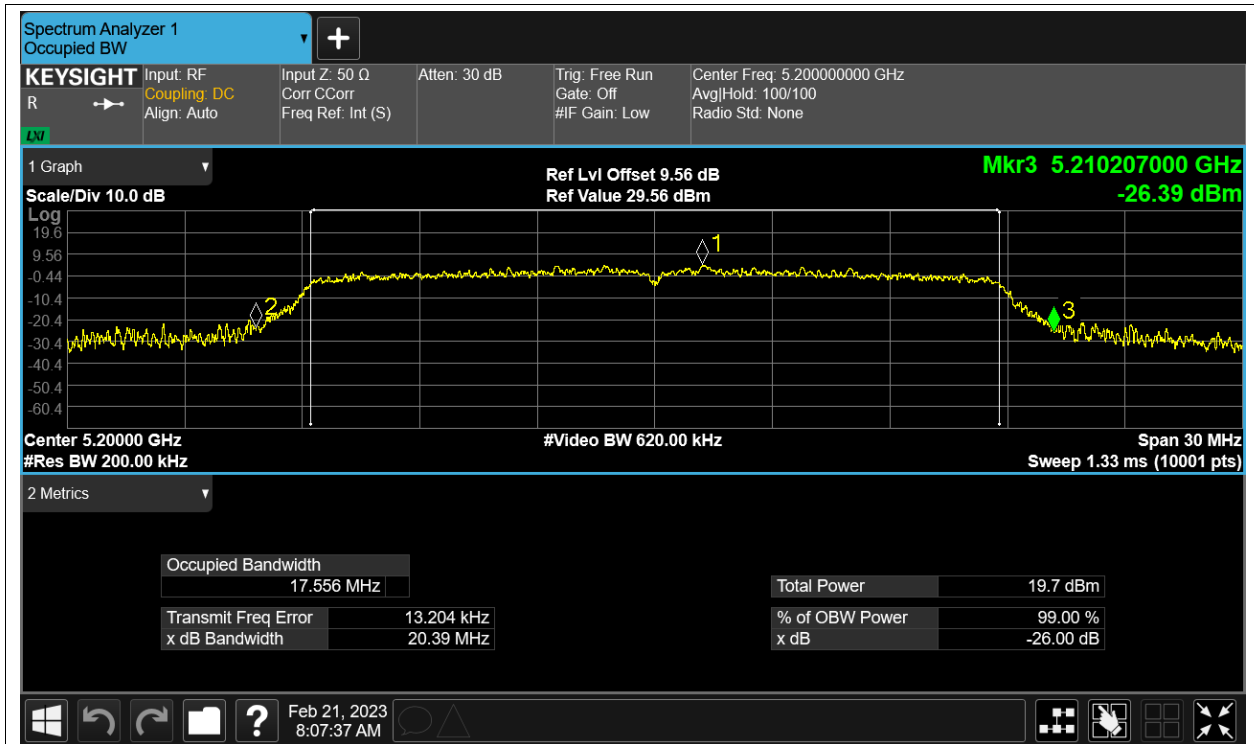
-26dB Bandwidth NVNT ac80 5210MHz Ant1



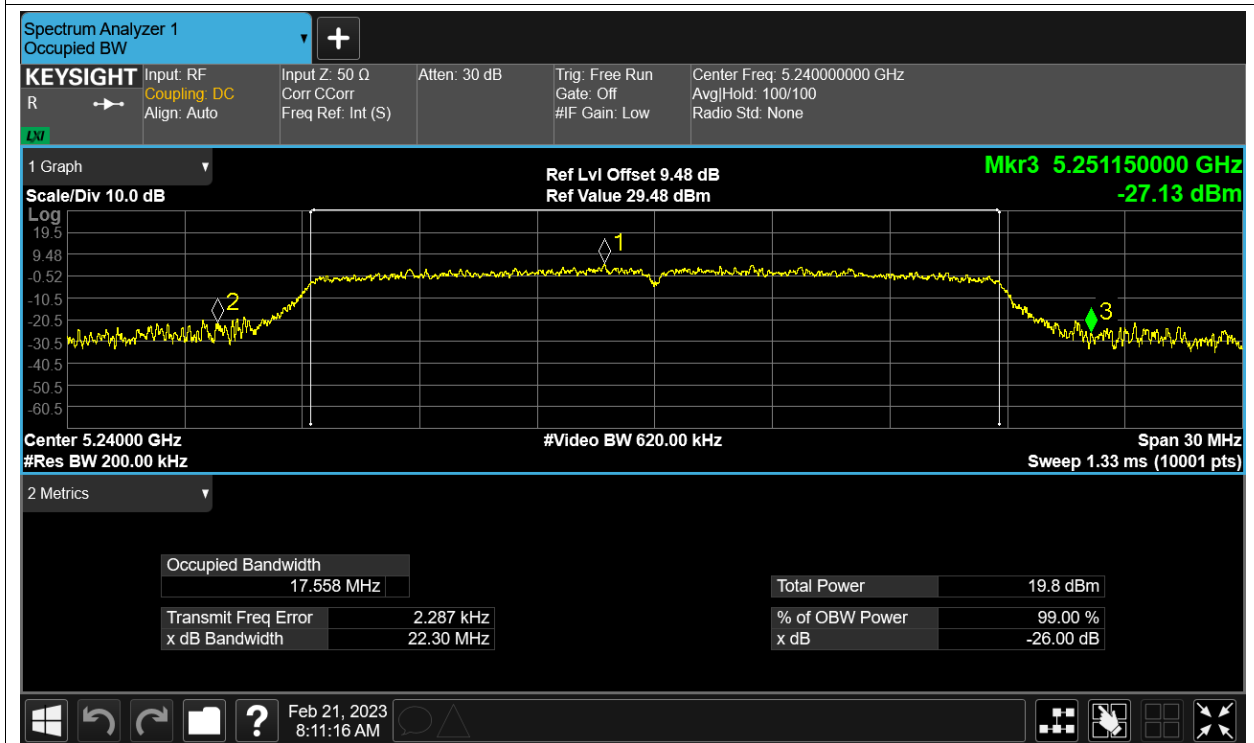
-26dB Bandwidth NVNT n20 5180MHz Ant1



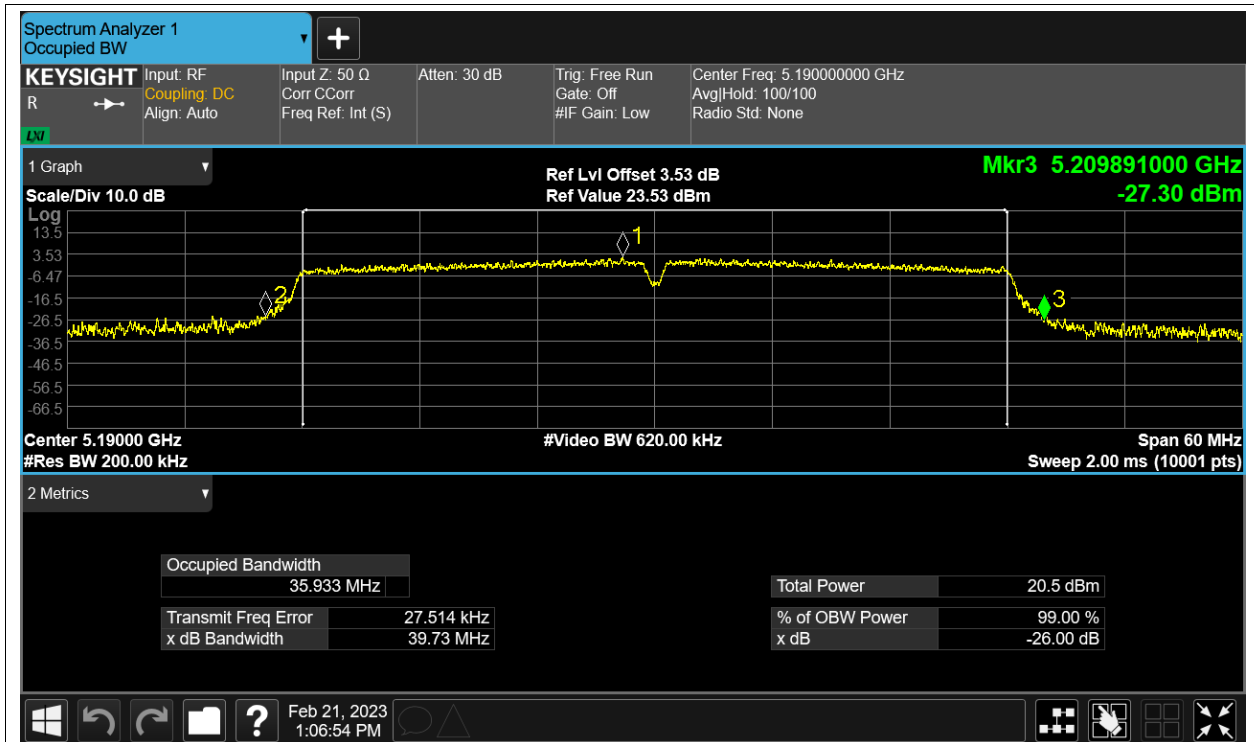
-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

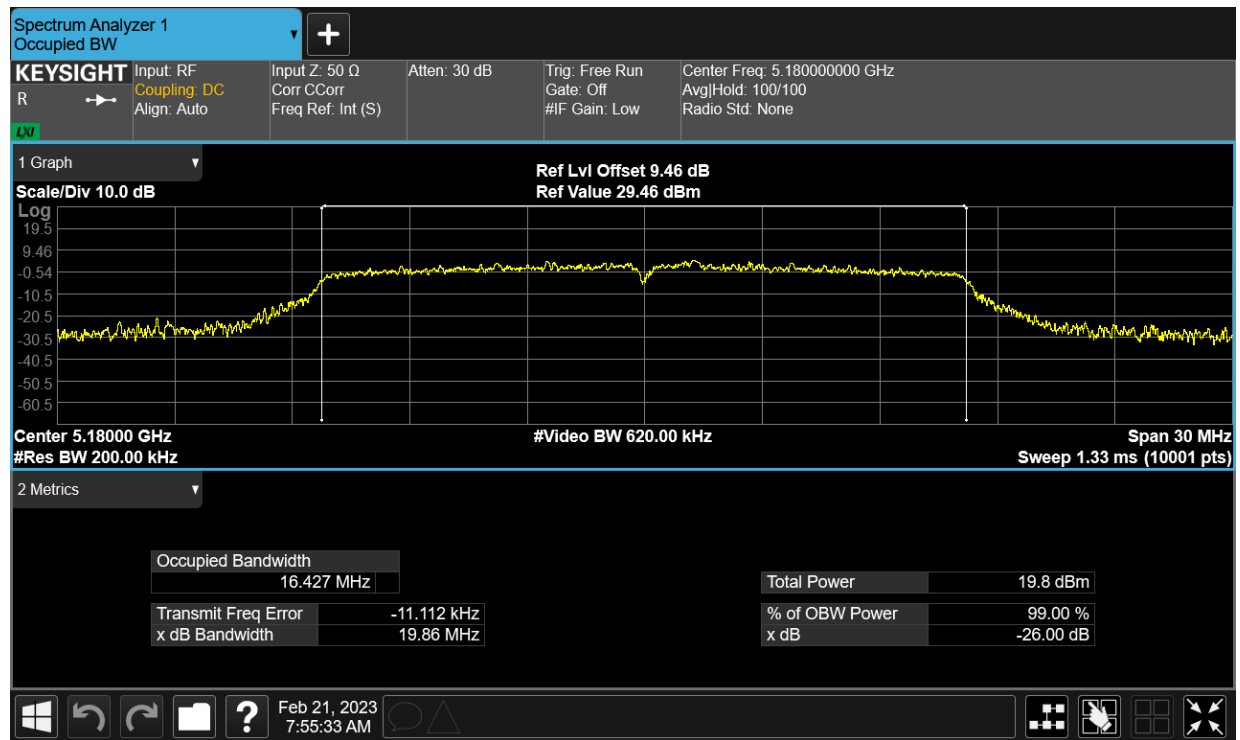


Occupied Channel Bandwidth

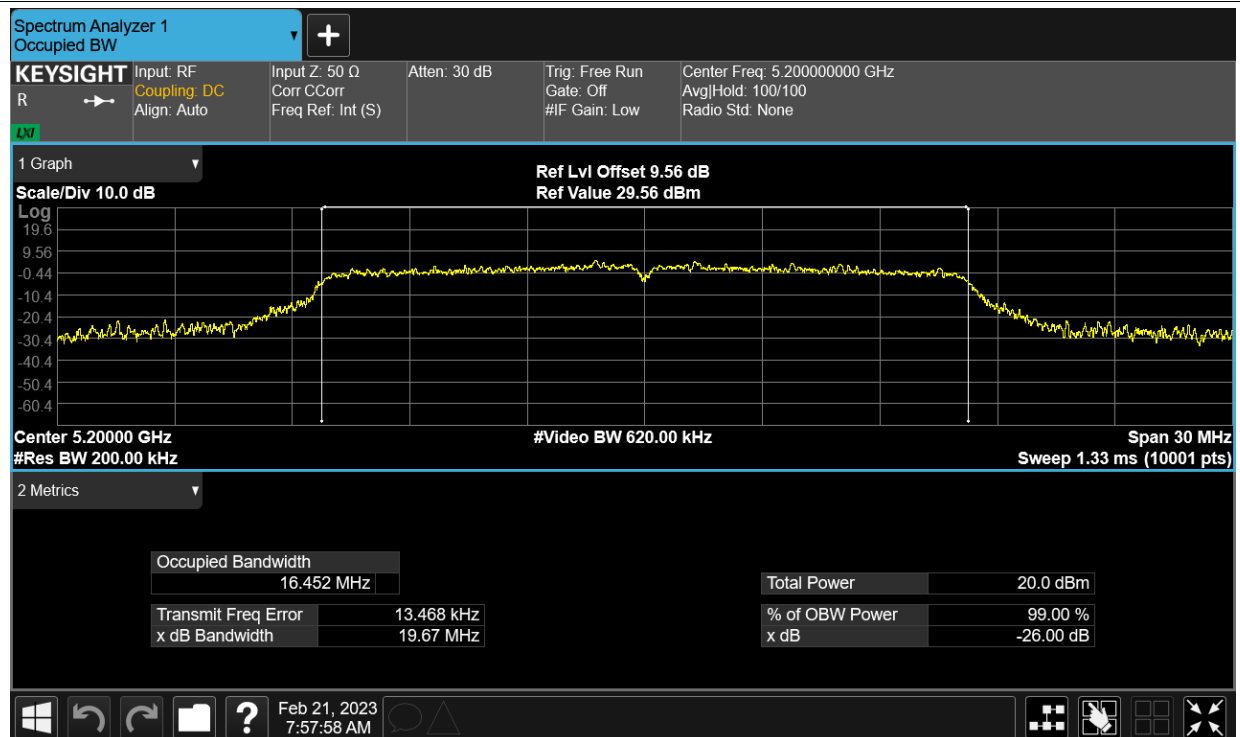
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.427
NVNT	a	5200	Ant1	16.452
NVNT	a	5240	Ant1	16.454
NVNT	ac20	5180	Ant1	17.566
NVNT	ac20	5200	Ant1	17.552
NVNT	ac20	5240	Ant1	17.552
NVNT	ac40	5190	Ant1	36.035
NVNT	ac40	5230	Ant1	35.922
NVNT	ac80	5210	Ant1	75.288
NVNT	n20	5180	Ant1	17.559
NVNT	n20	5200	Ant1	17.553
NVNT	n20	5240	Ant1	17.568
NVNT	n40	5190	Ant1	36.067
NVNT	n40	5230	Ant1	36.005

Test Graphs

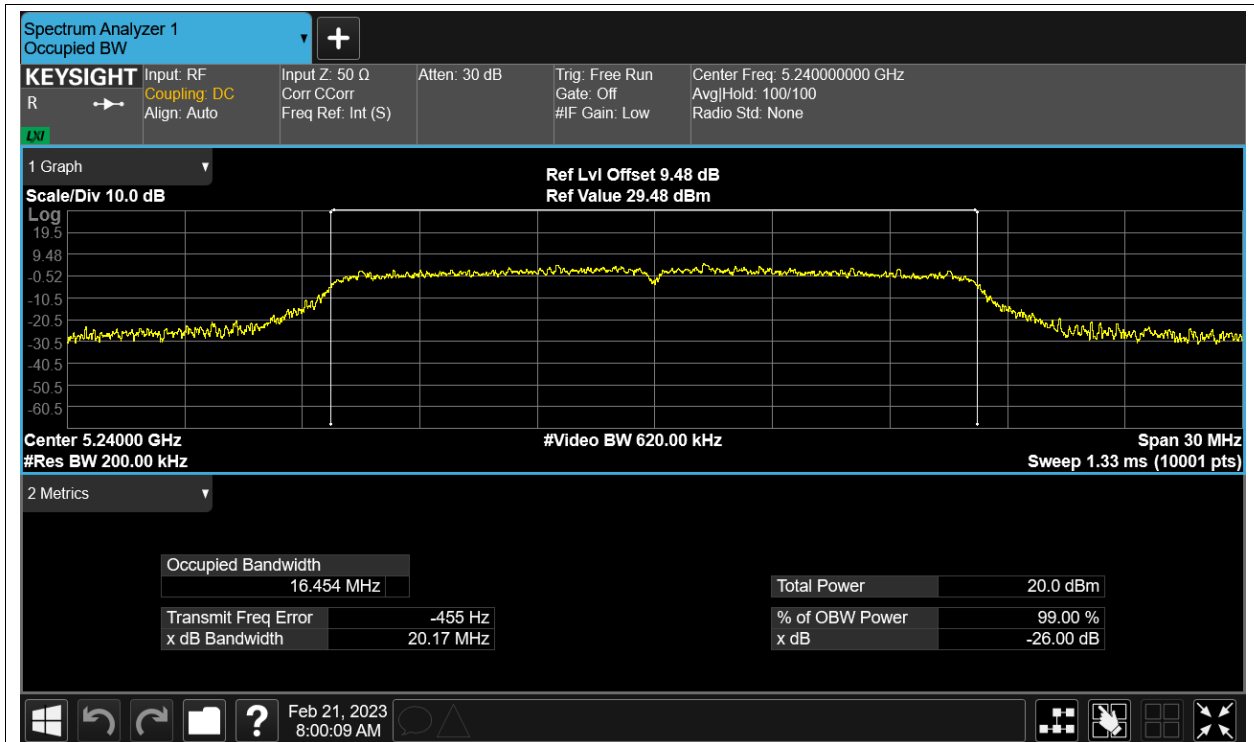
OBW NVNT a 5180MHz Ant1



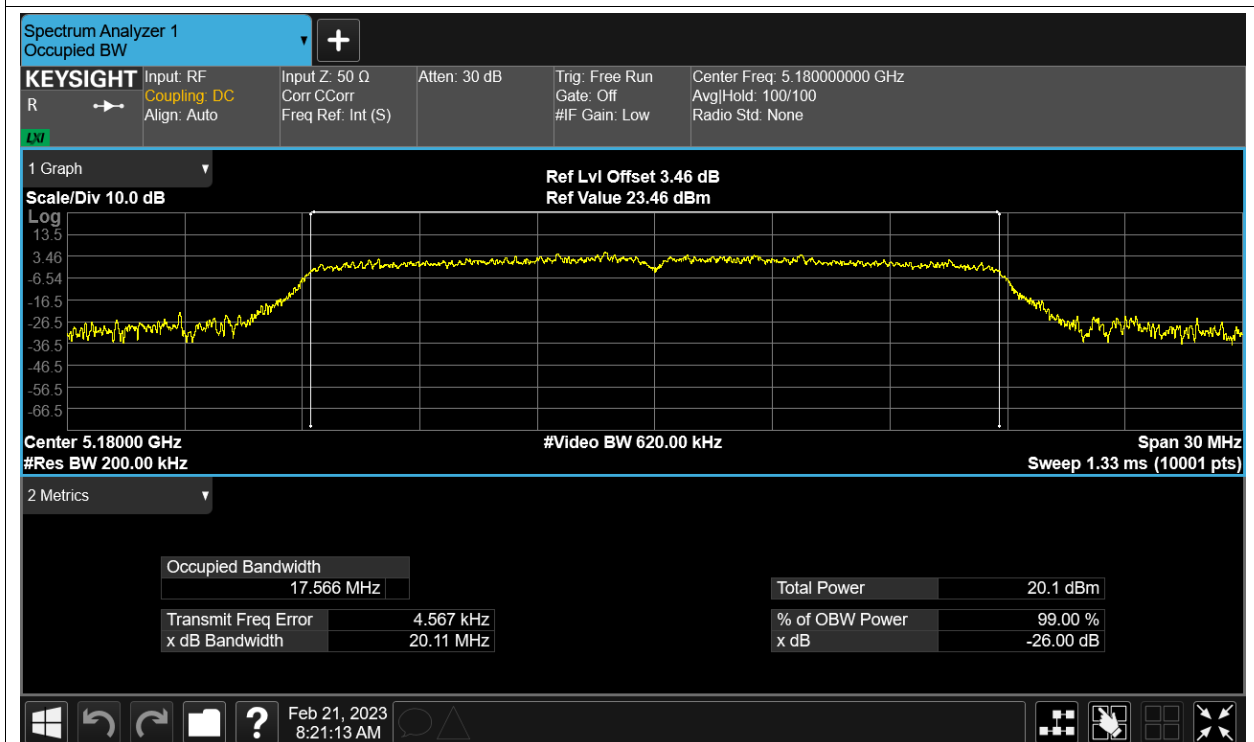
OBW NVNT a 5200MHz Ant1



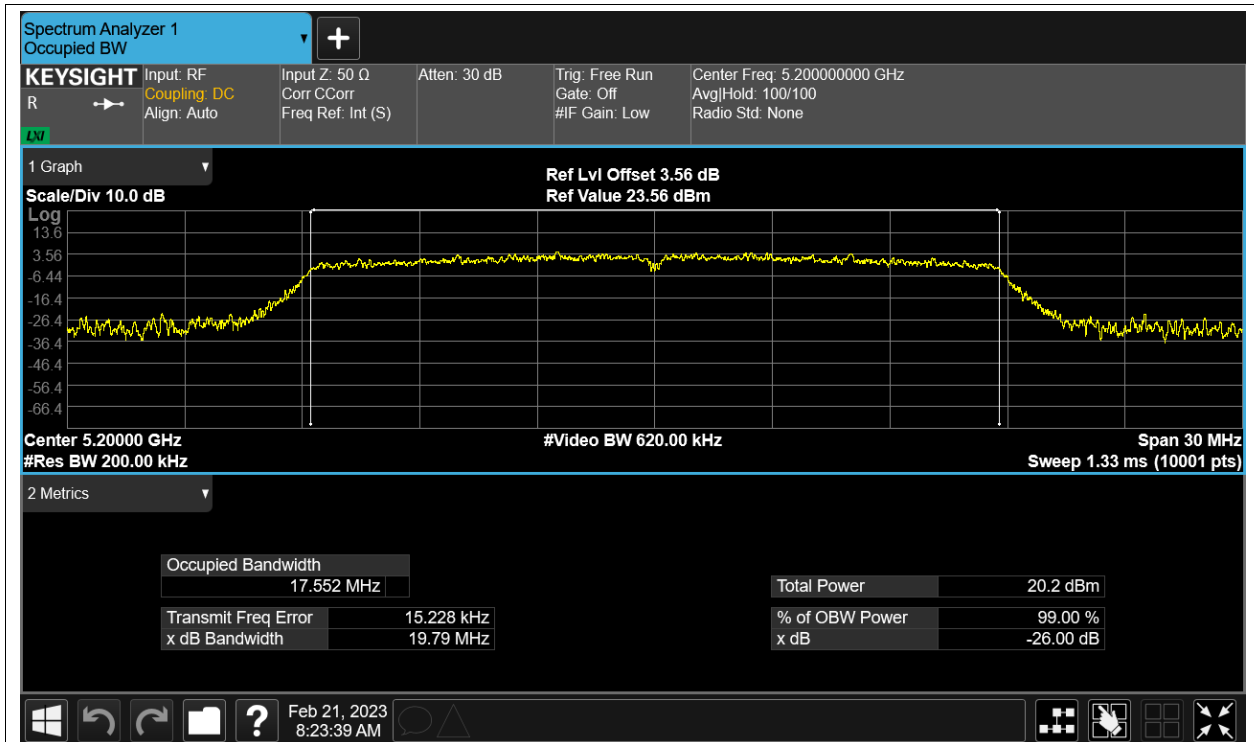
OBW NVNT a 5240MHz Ant1



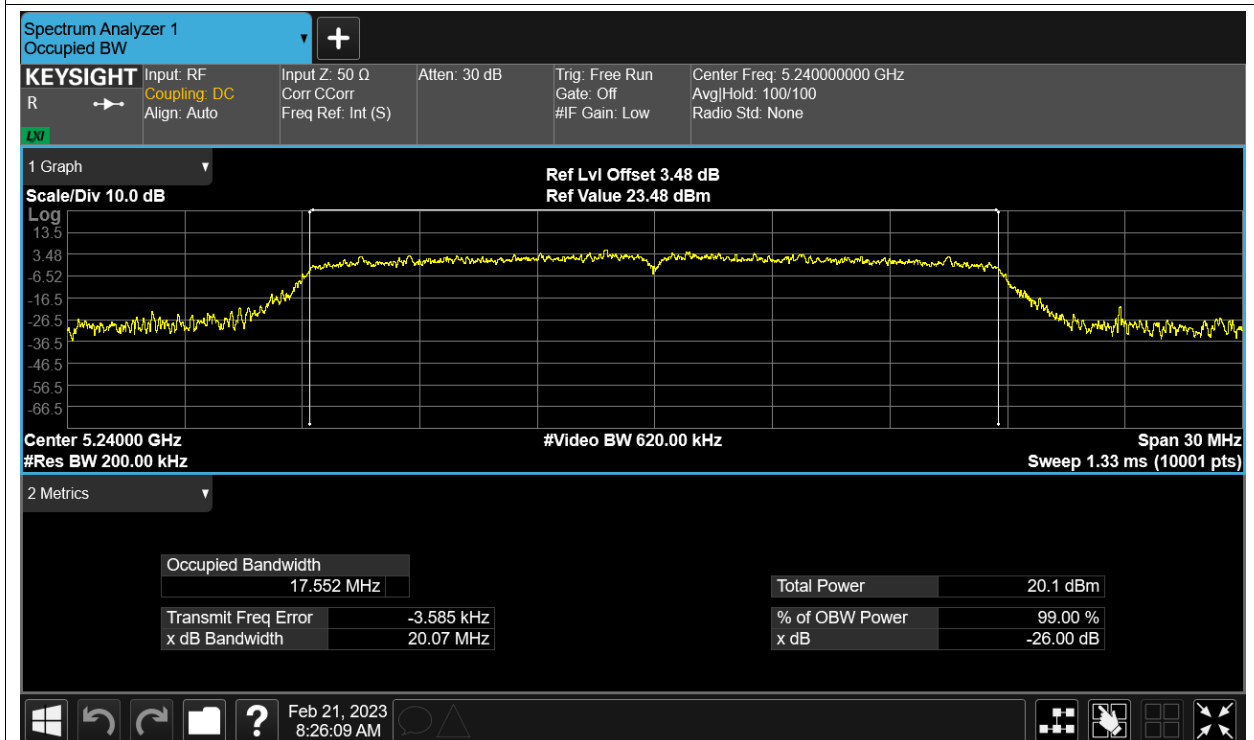
OBW NVNT ac20 5180MHz Ant1



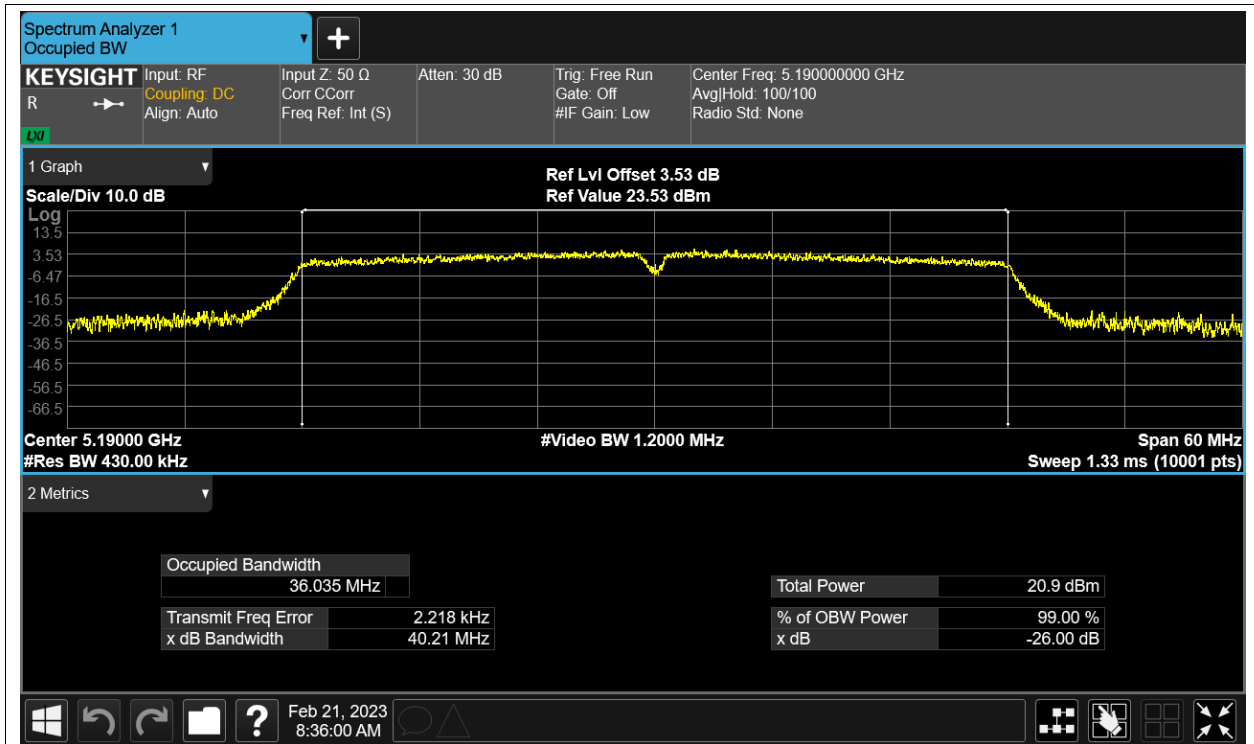
OBW NVNT ac20 5200MHz Ant1



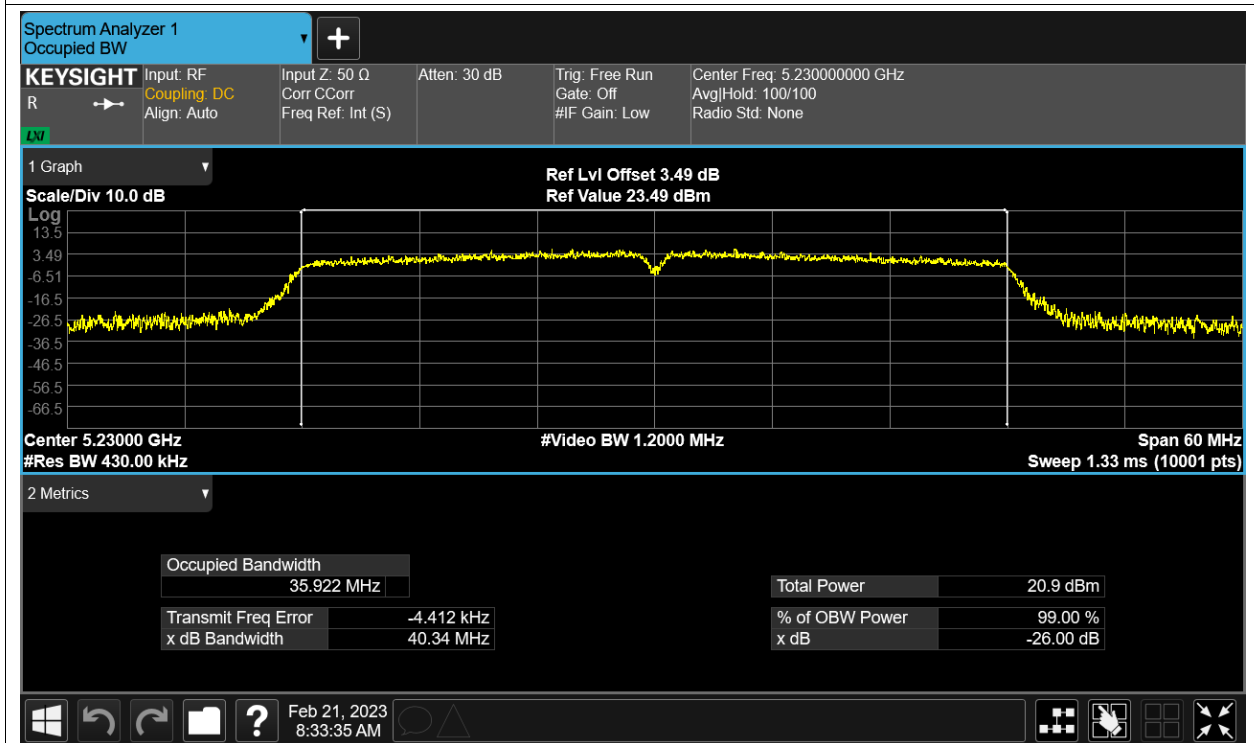
OBW NVNT ac20 5240MHz Ant1



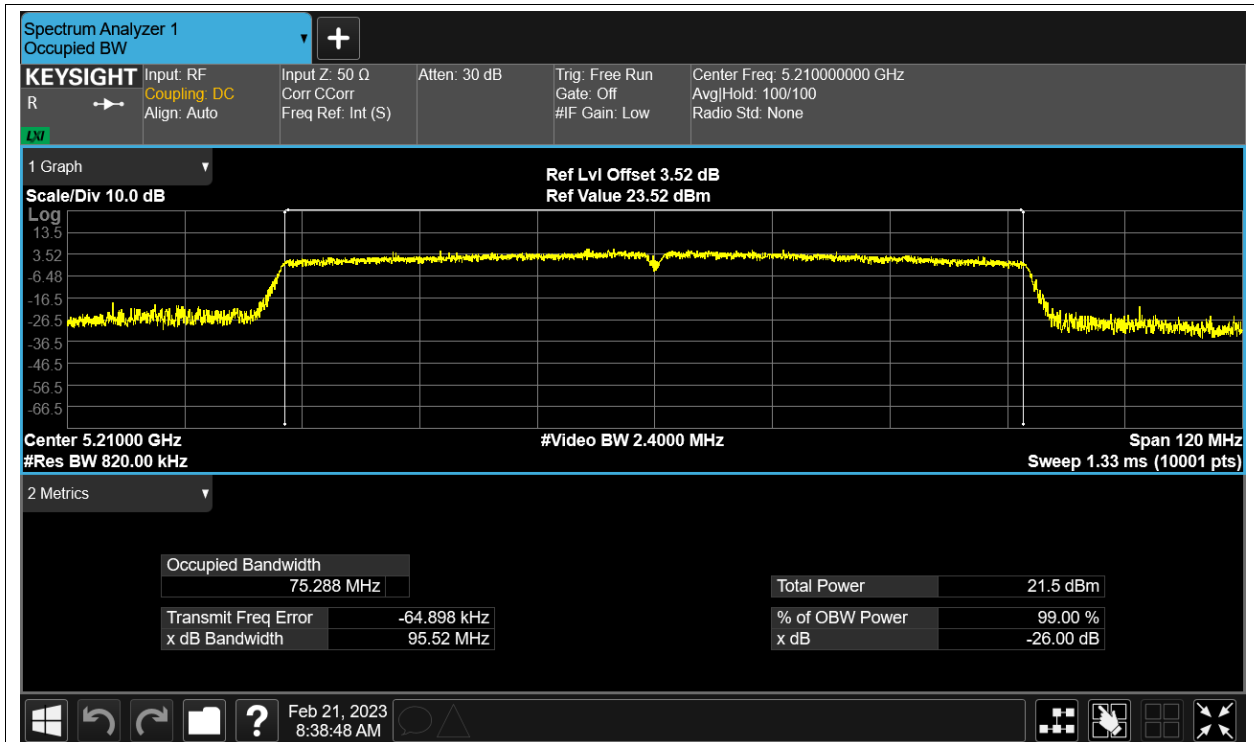
OBW NVNT ac40 5190MHz Ant1



OBW NVNT ac40 5230MHz Ant1



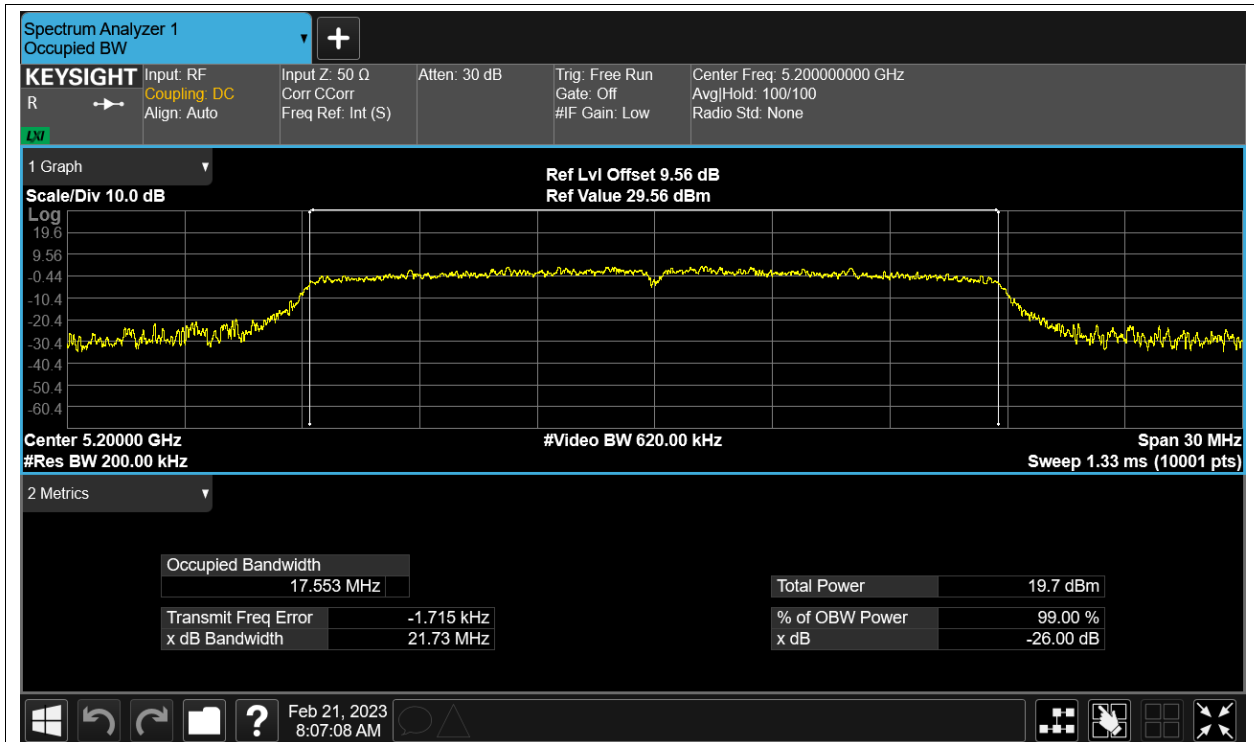
OBW NVNT ac80 5210MHz Ant1



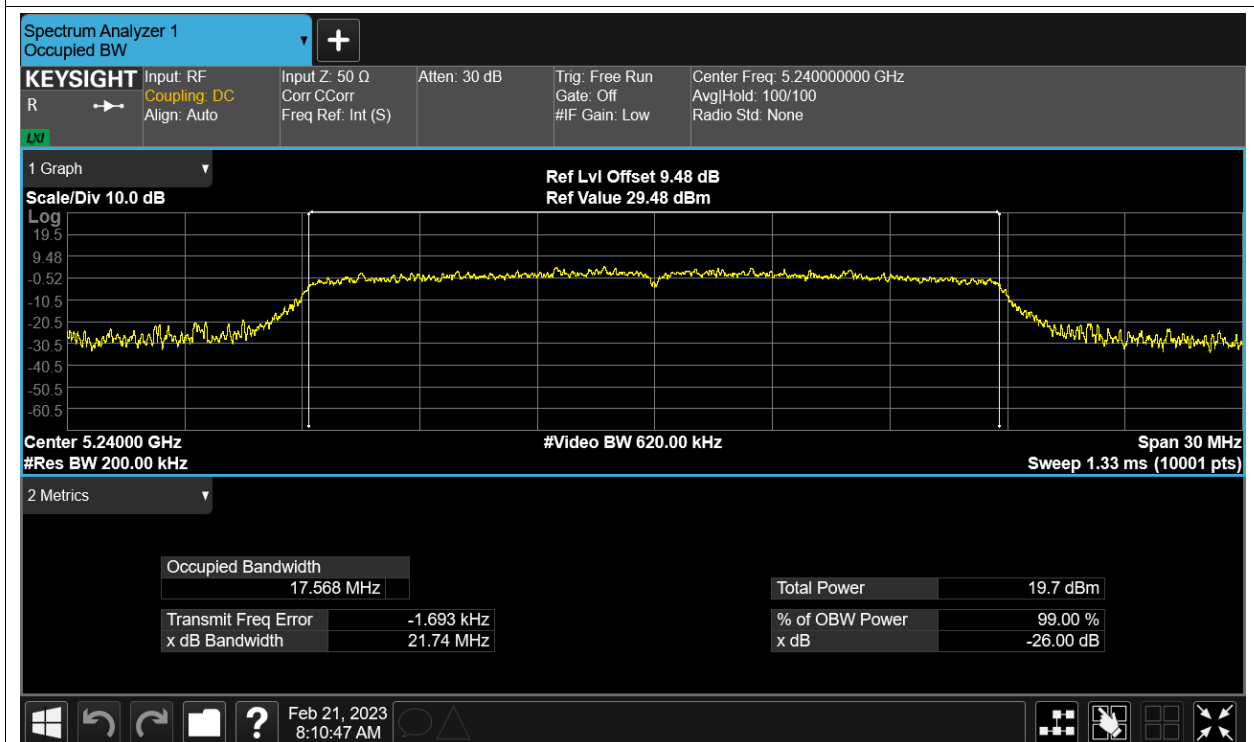
OBW NVNT n20 5180MHz Ant1



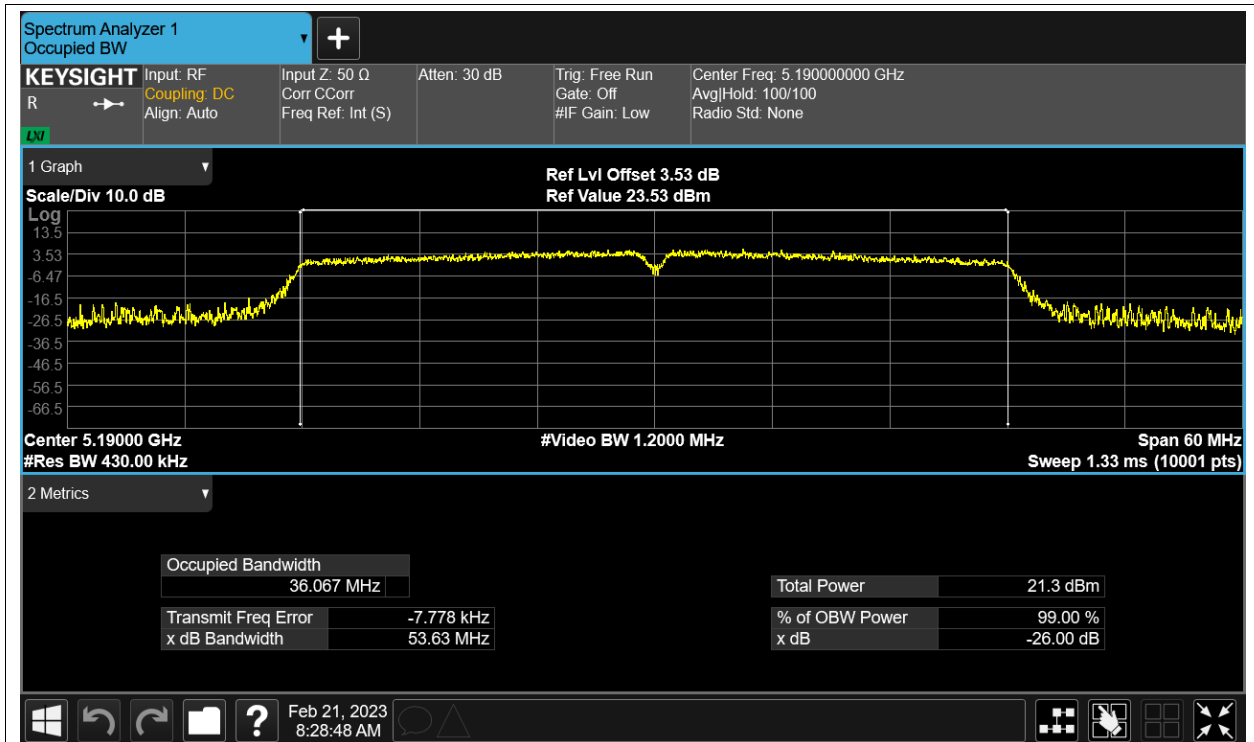
OBW NVNT n20 5200MHz Ant1



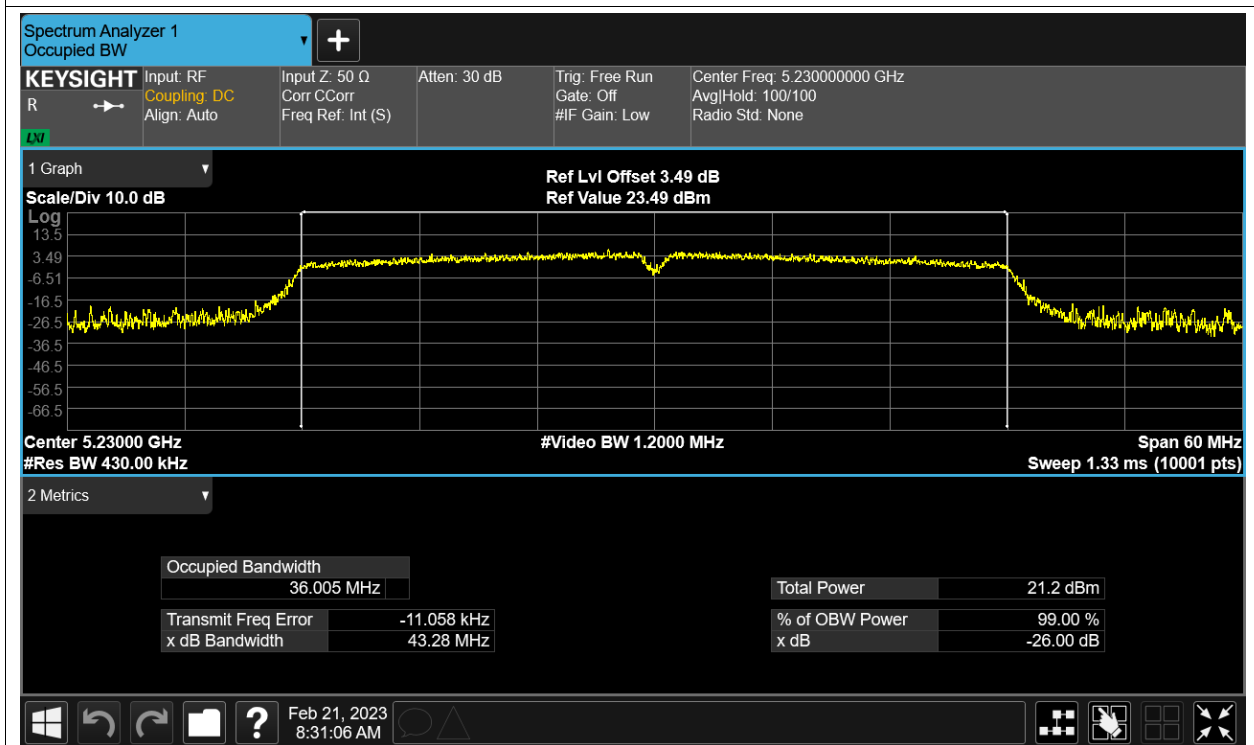
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

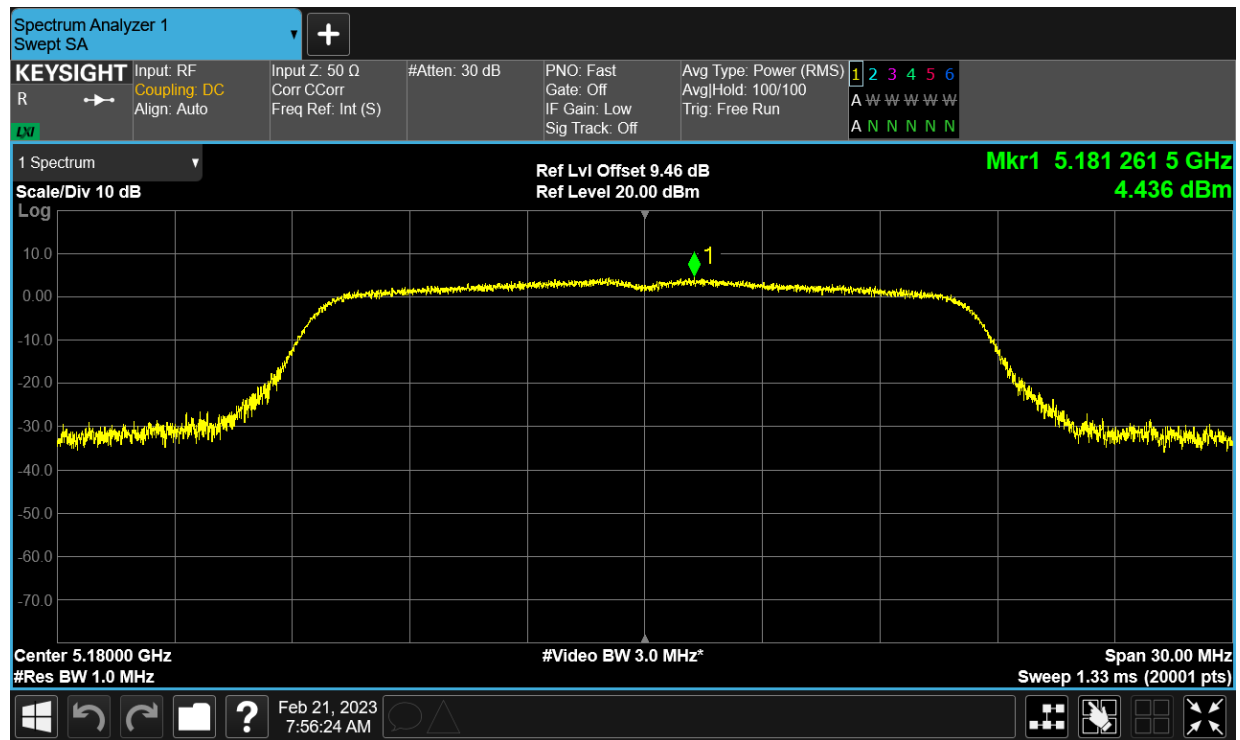


Maximum Power Spectral Density Level

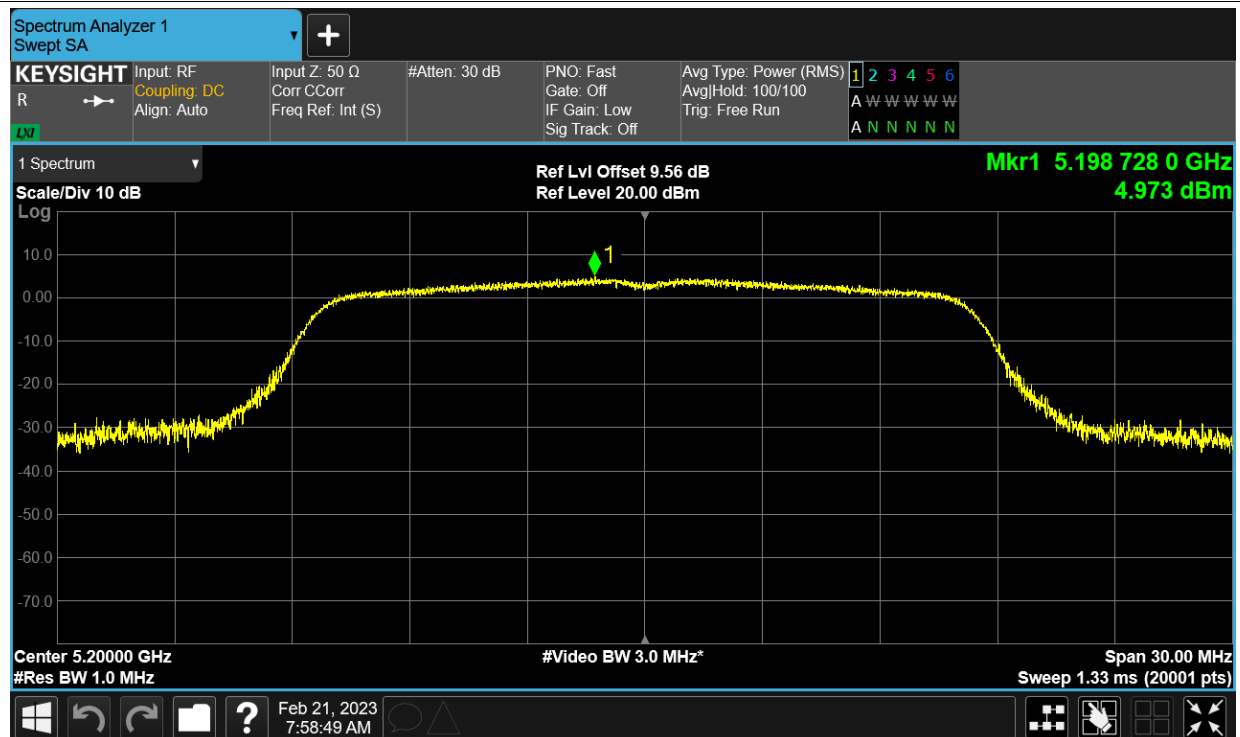
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	4.436	11	Pass
NVNT	a	5200	Ant1	4.973	11	Pass
NVNT	a	5240	Ant1	4.817	11	Pass
NVNT	ac20	5180	Ant1	4.639	11	Pass
NVNT	ac20	5200	Ant1	4.789	11	Pass
NVNT	ac20	5240	Ant1	4.912	11	Pass
NVNT	ac40	5190	Ant1	2.327	11	Pass
NVNT	ac40	5230	Ant1	2.199	11	Pass
NVNT	ac80	5210	Ant1	-1.15	11	Pass
NVNT	n20	5180	Ant1	4.106	11	Pass
NVNT	n20	5200	Ant1	4.228	11	Pass
NVNT	n20	5240	Ant1	4.282	11	Pass
NVNT	n40	5190	Ant1	2.81	11	Pass
NVNT	n40	5230	Ant1	2.638	11	Pass

Test Graphs

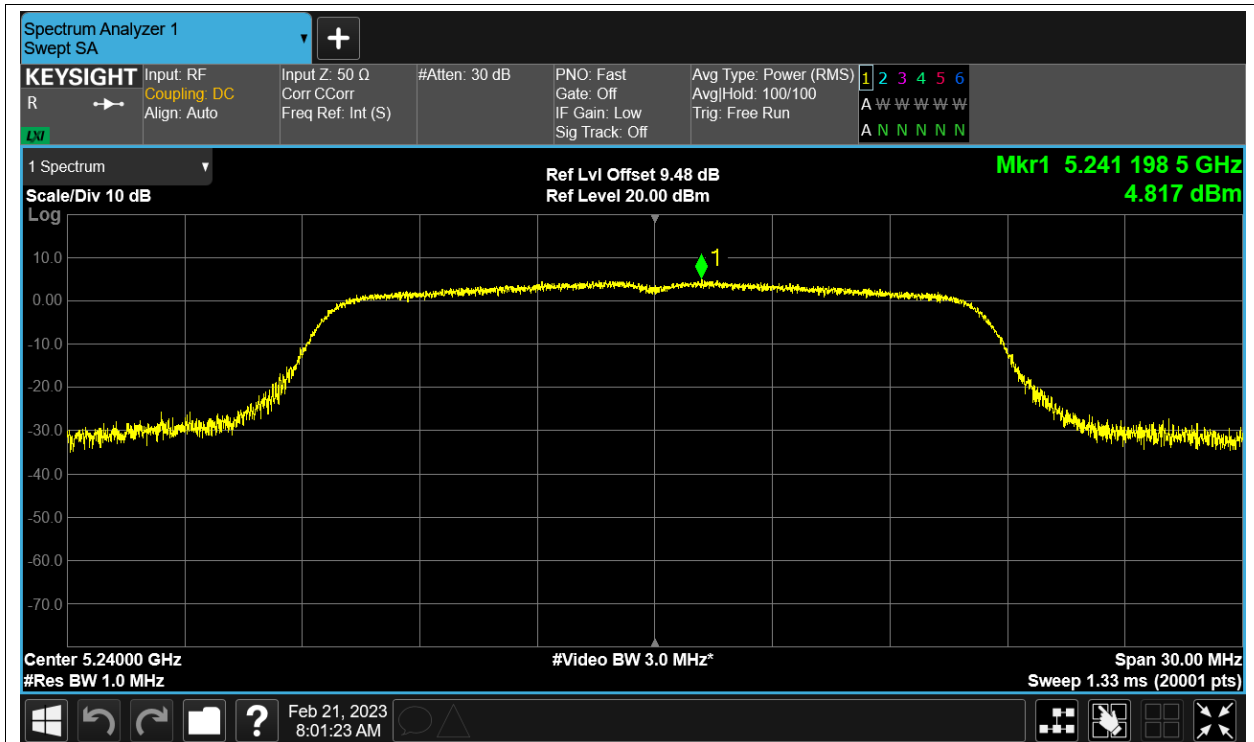
PSD NVNT a 5180MHz Ant1



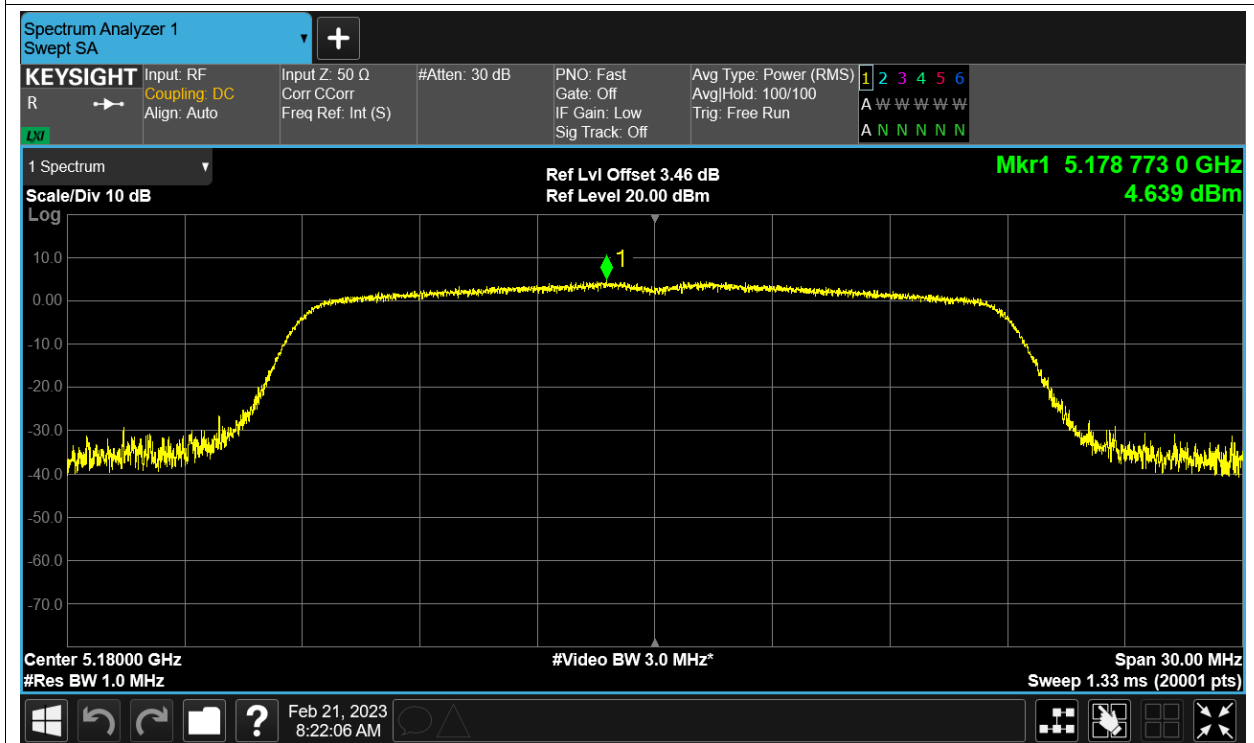
PSD NVNT a 5200MHz Ant1



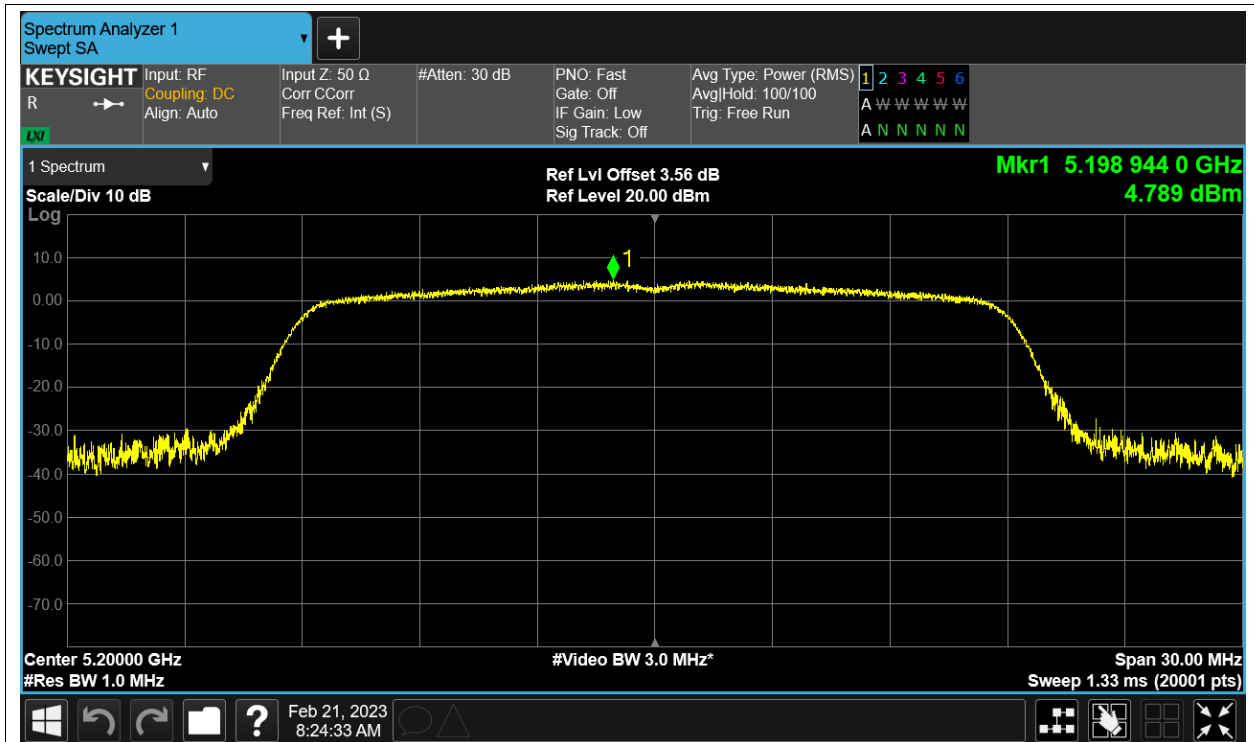
PSD NVNT a 5240MHz Ant1



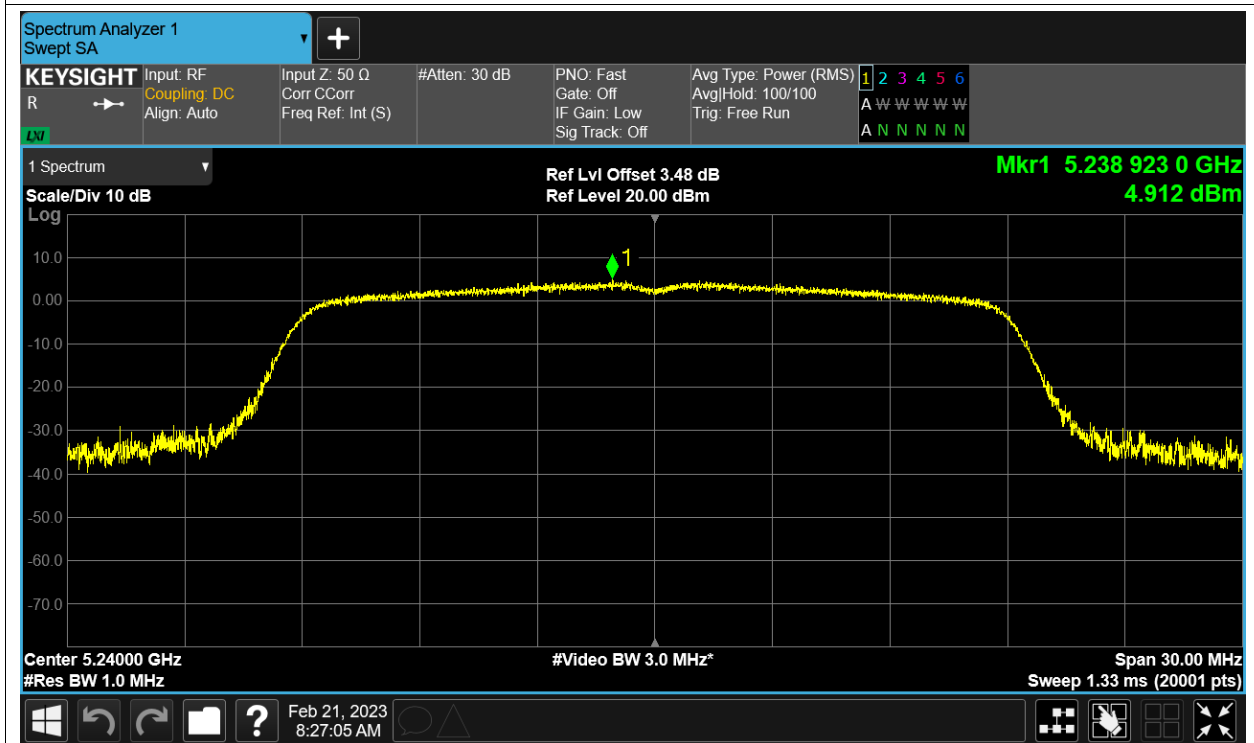
PSD NVNT ac20 5180MHz Ant1



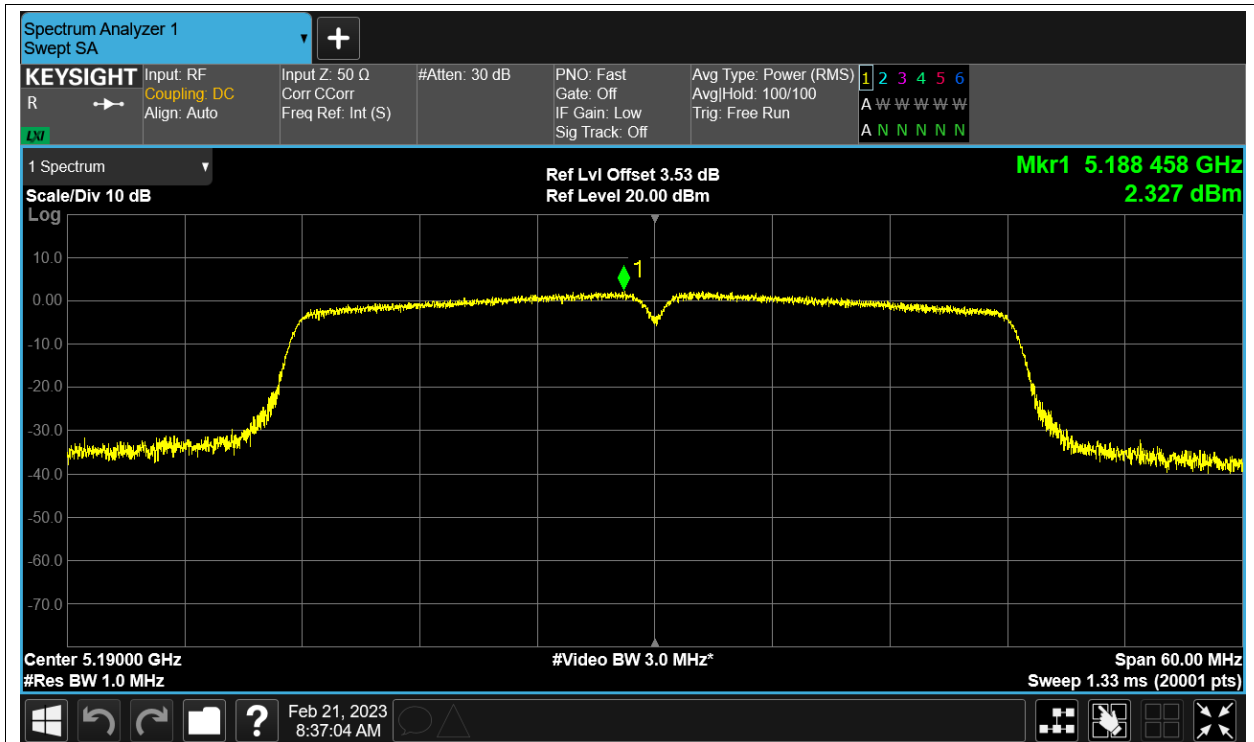
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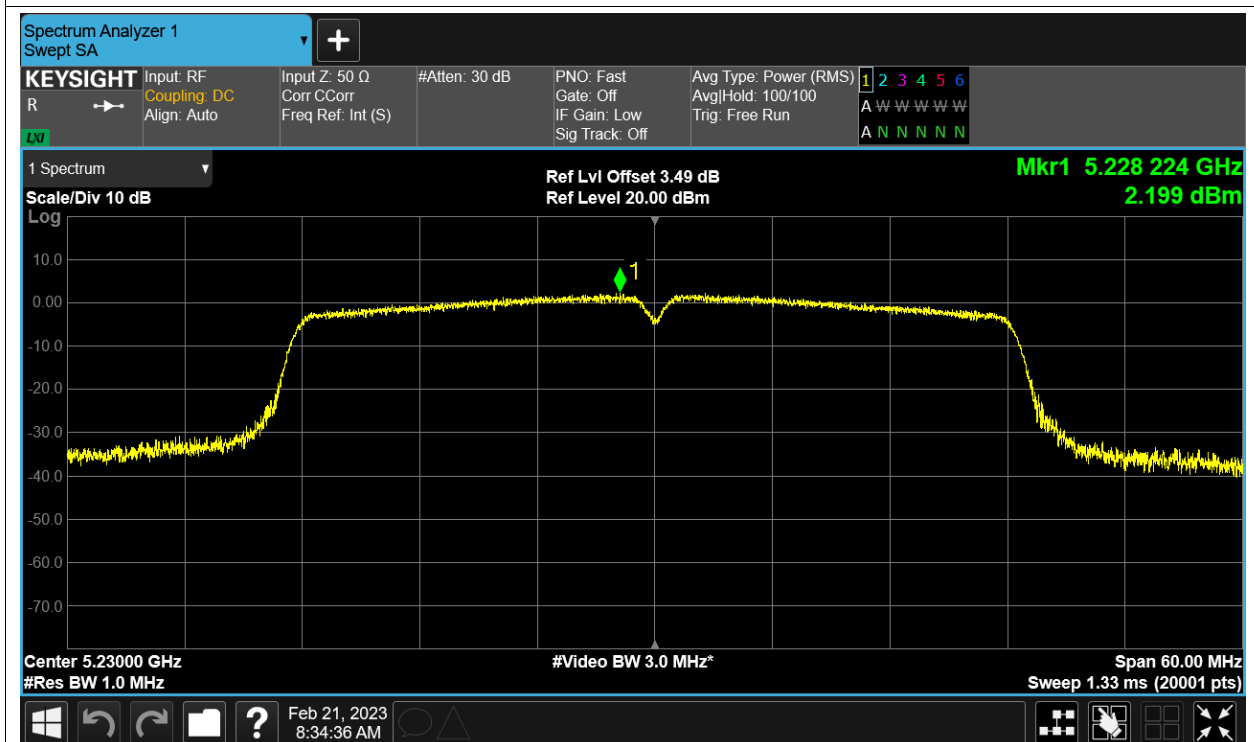
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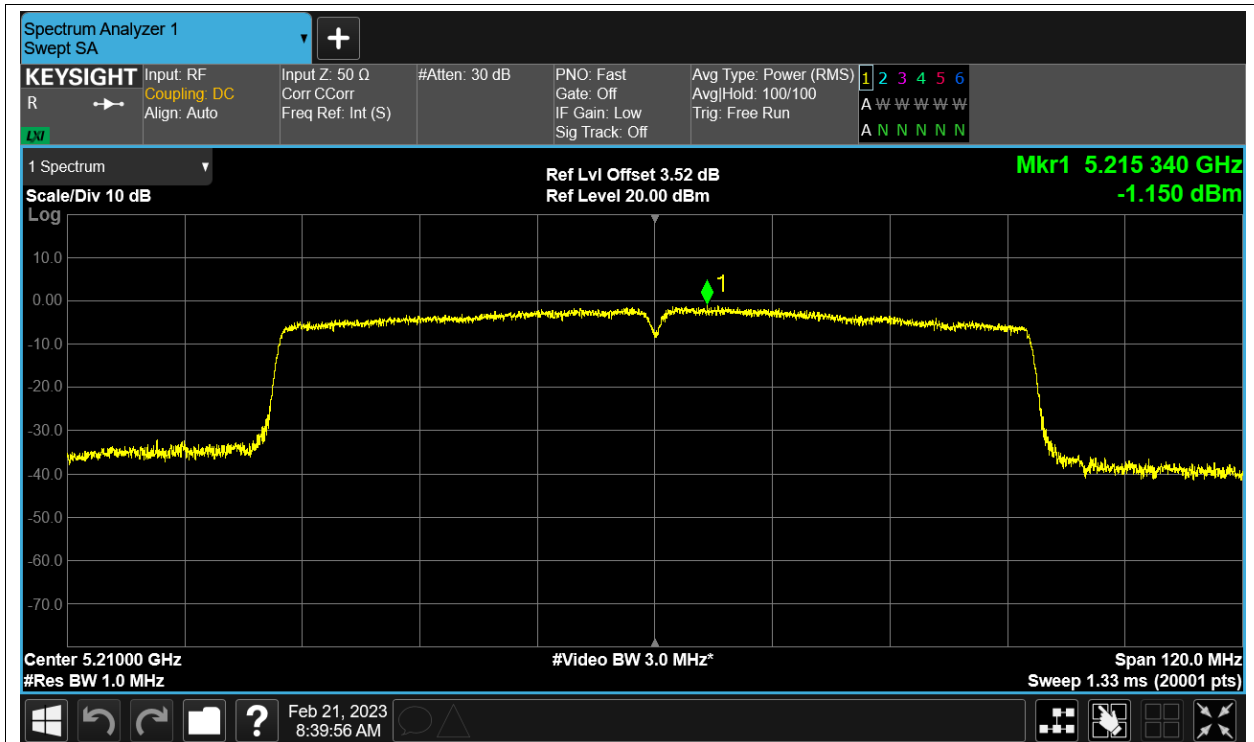
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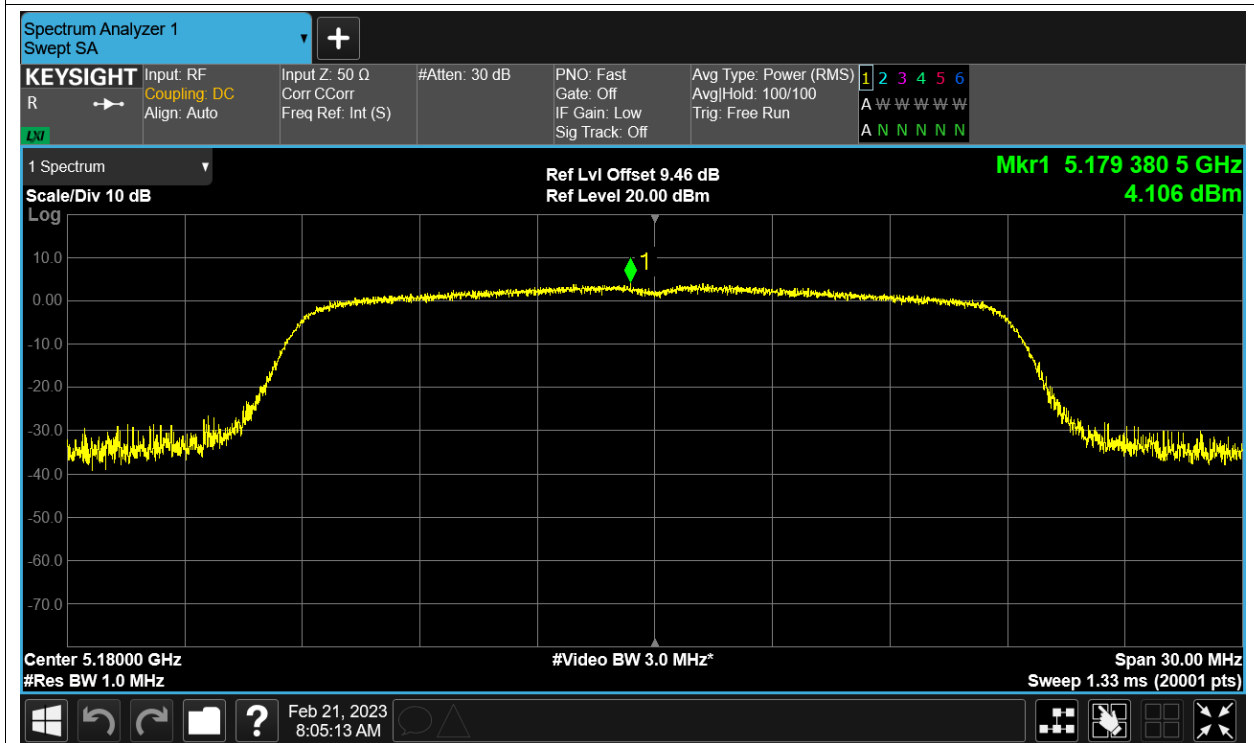
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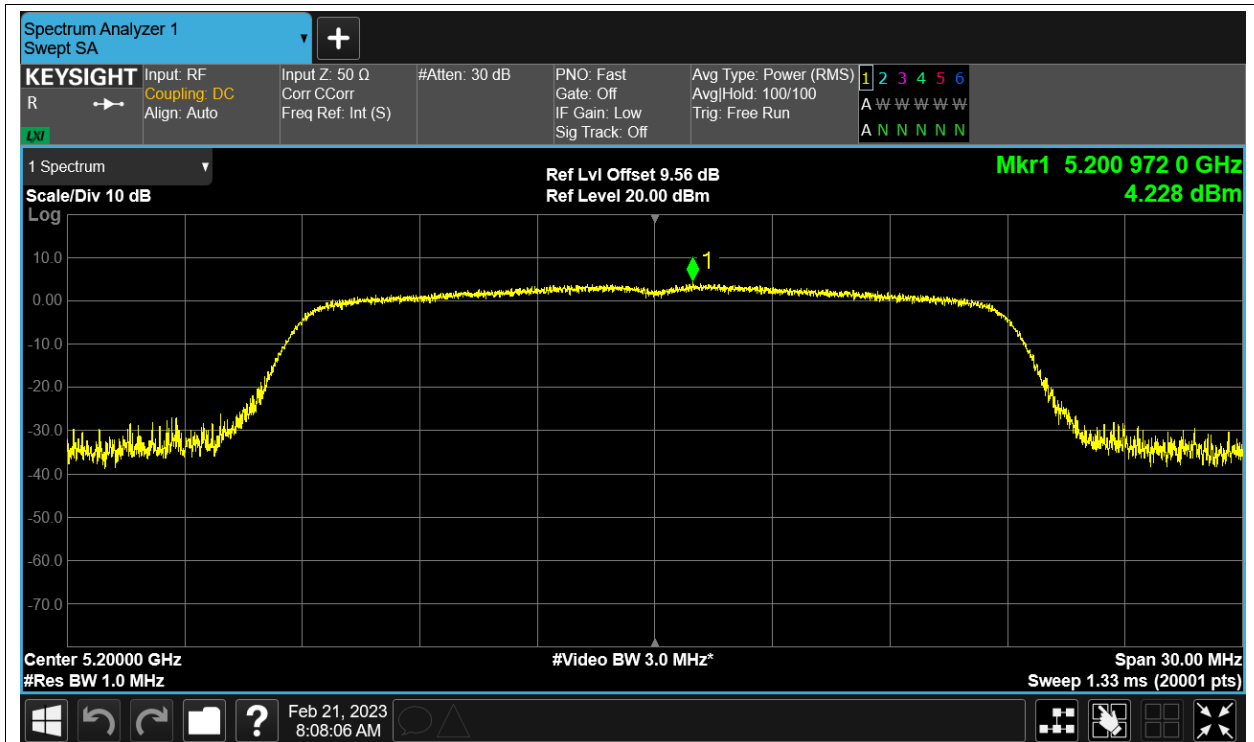
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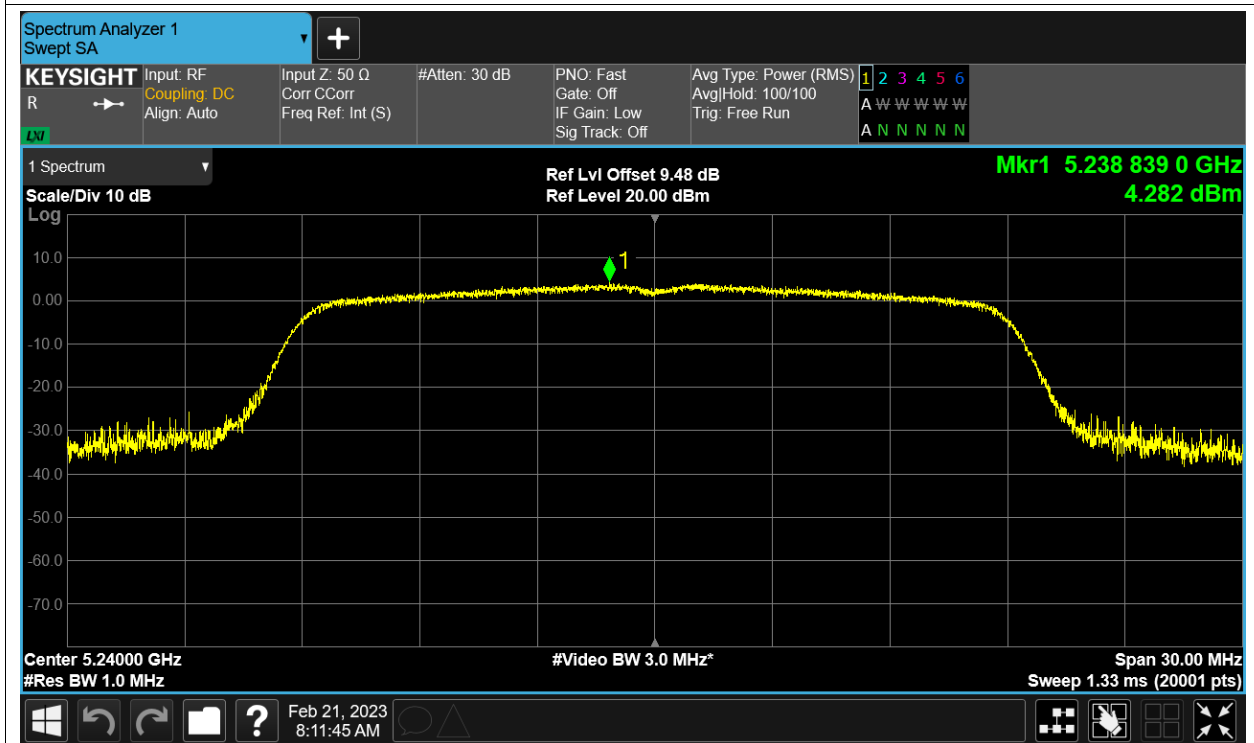
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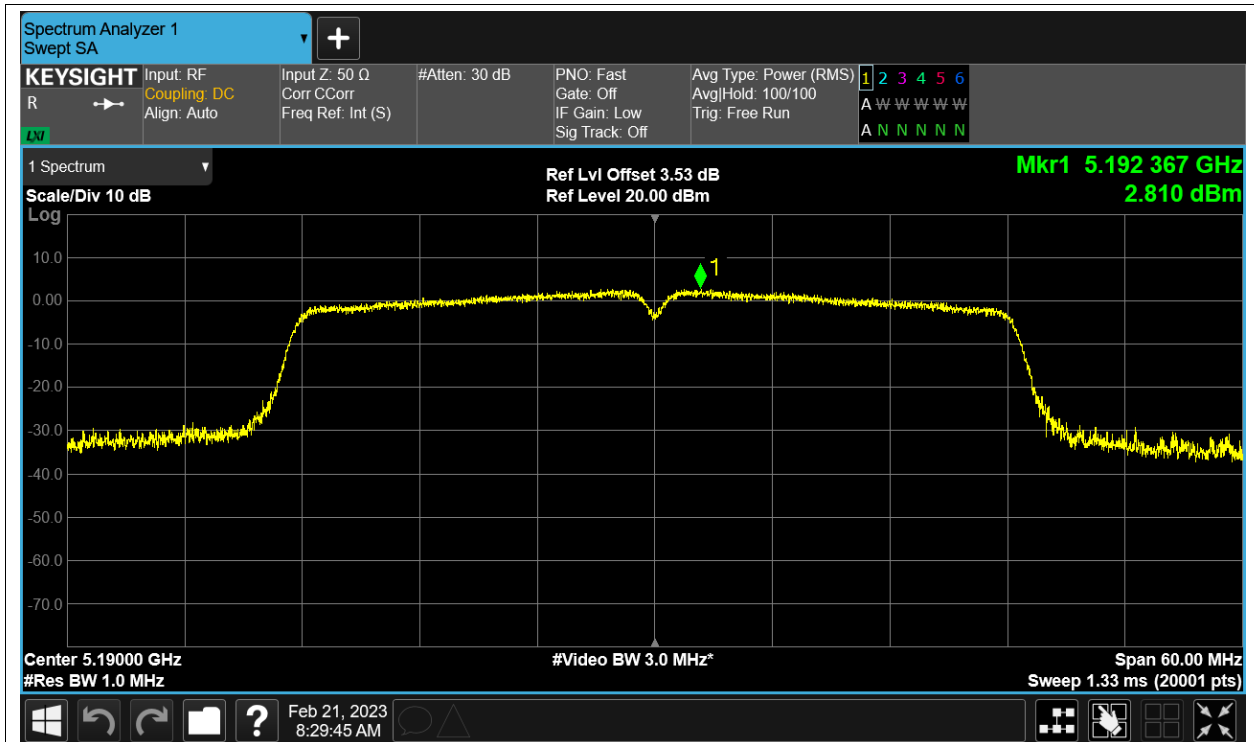
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

