

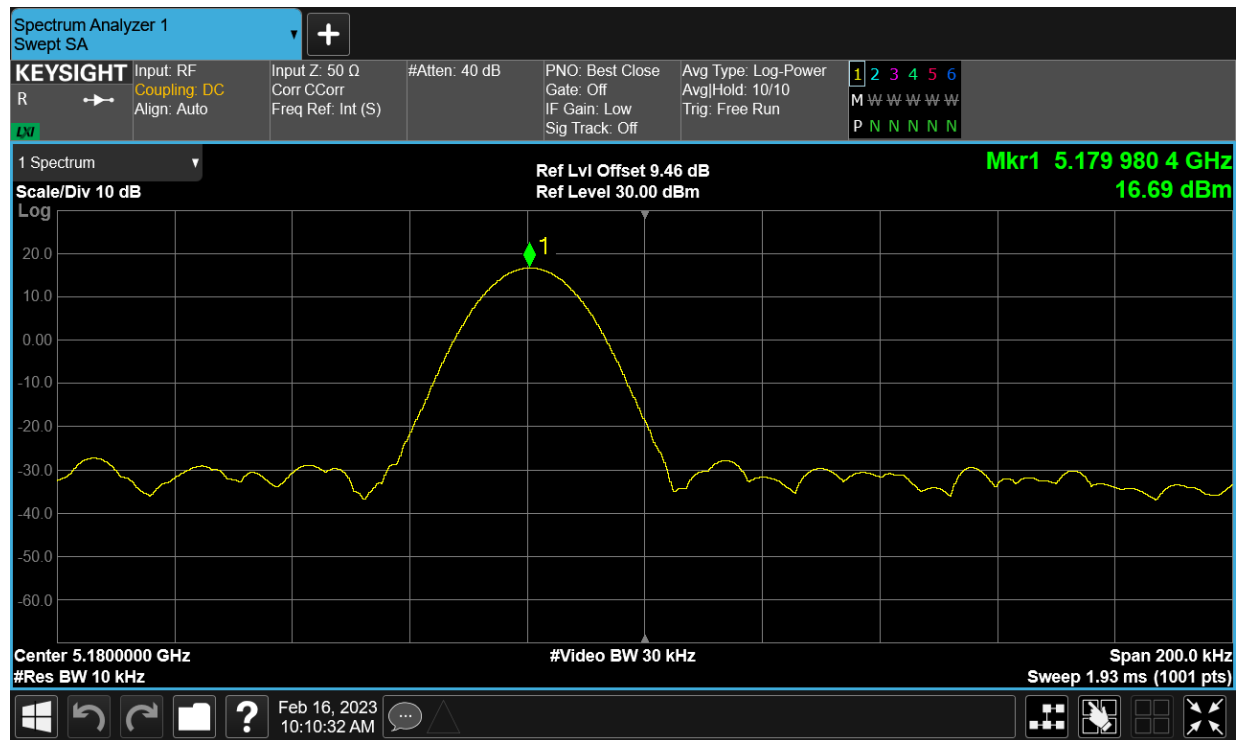
Test Data

Frequency Stability

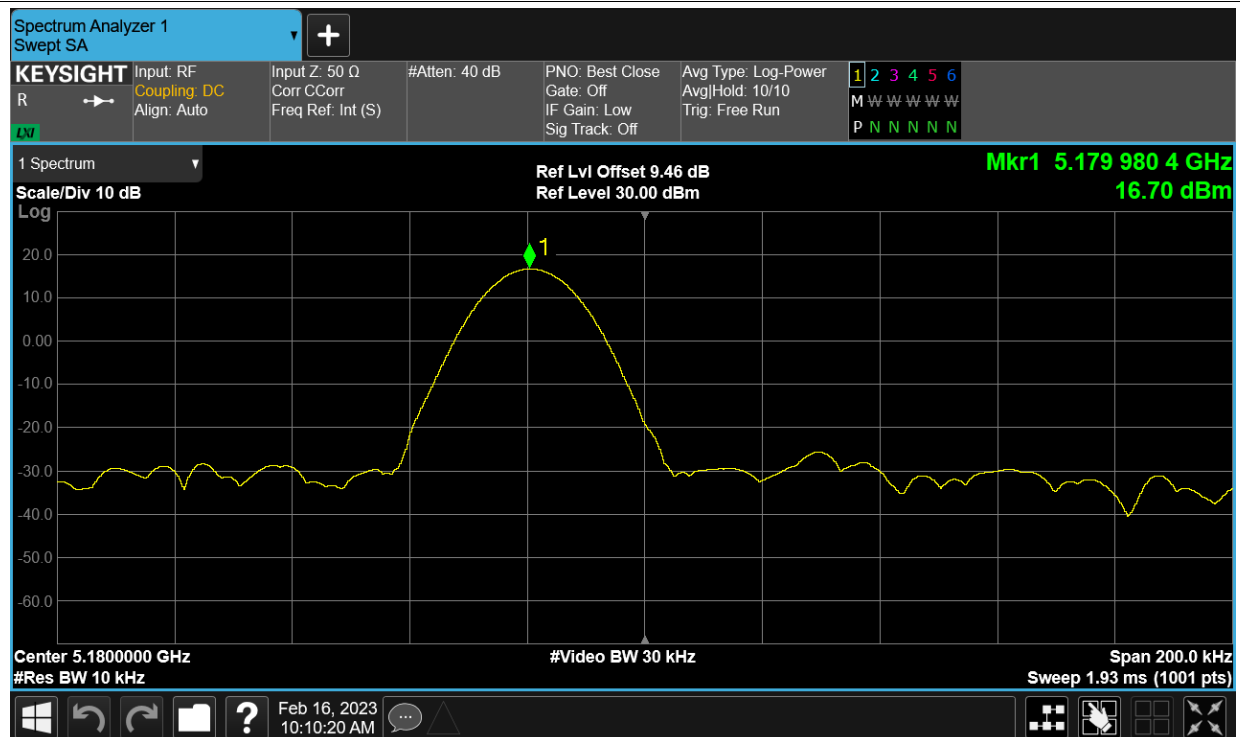
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant2	5179.9804	-3.78	Within authorized band	Pass
LVNT	a	5180	Ant2	5179.9804	-3.78		Pass
NVHT	a	5180	Ant2	5179.9804	-3.78		Pass
NVLT	a	5180	Ant2	5179.9804	-3.78		Pass
NVNT	a	5180	Ant2	5179.9804	-3.78		Pass
HVNT	ac80	5210	Ant2	5209.9796	-3.92		Pass
LVNT	ac80	5210	Ant2	5209.9796	-3.92		Pass
NVHT	ac80	5210	Ant2	5209.9798	-3.88		Pass
NVLT	ac80	5210	Ant2	5209.9798	-3.88		Pass
NVNT	ac80	5210	Ant2	5209.97996	-3.85		Pass
HVNT	n40	5190	Ant2	5189.9802	-3.82		Pass
LVNT	n40	5190	Ant2	5189.98	-3.85		Pass
NVHT	n40	5190	Ant2	5189.98	-3.85		Pass
NVLT	n40	5190	Ant2	5189.98	-3.85		Pass
NVNT	n40	5190	Ant2	5189.98	-3.85		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

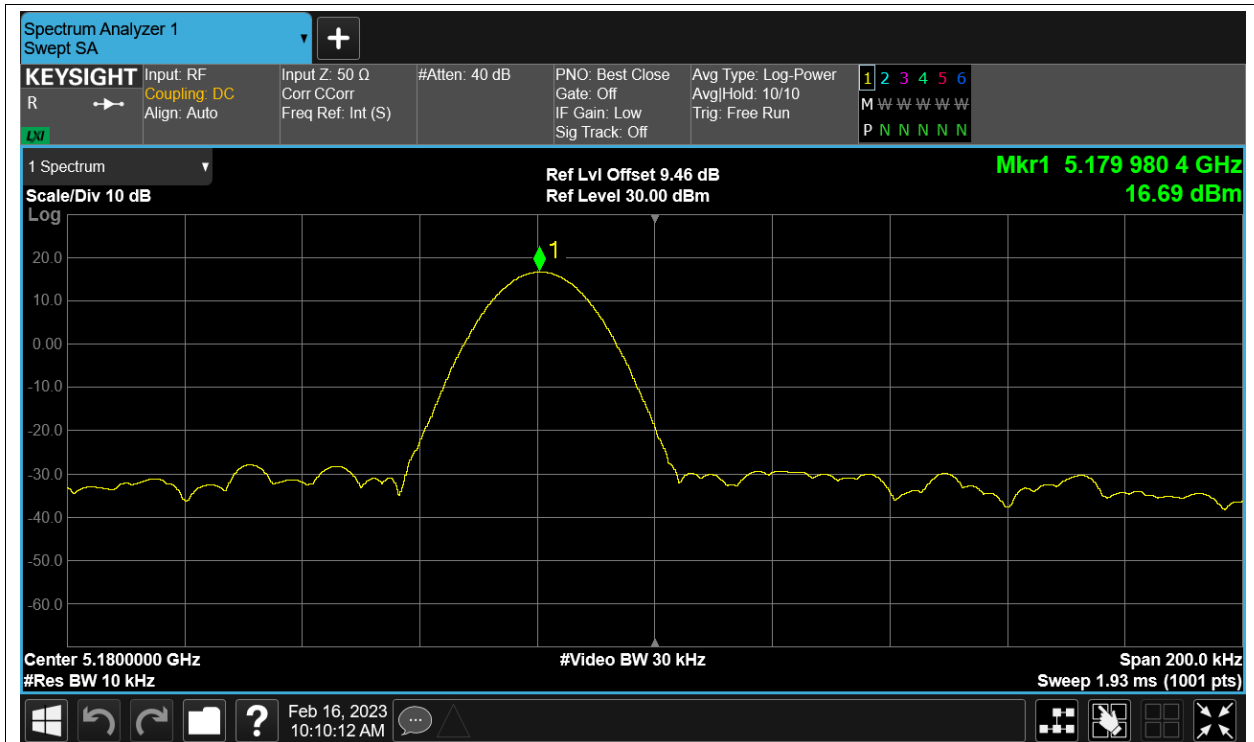
Freq. Stability HVNT a 5180MHz Ant2



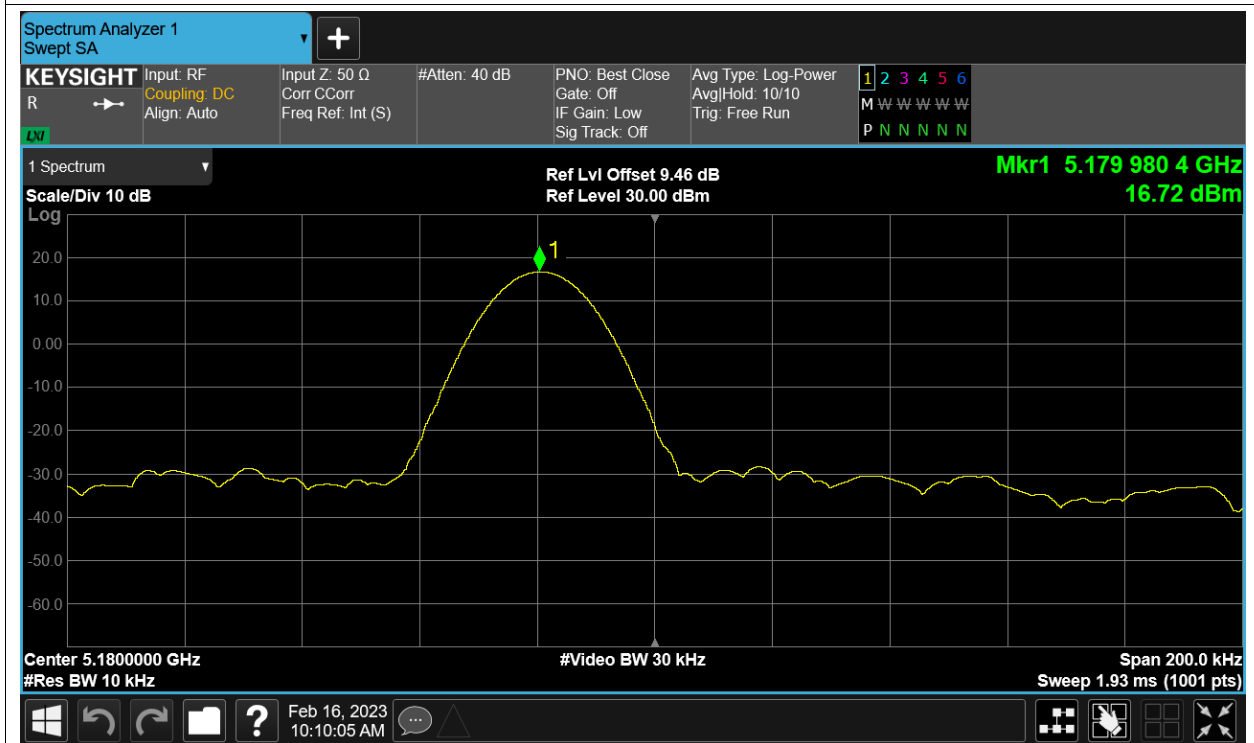
Freq. Stability LVNT a 5180MHz Ant2



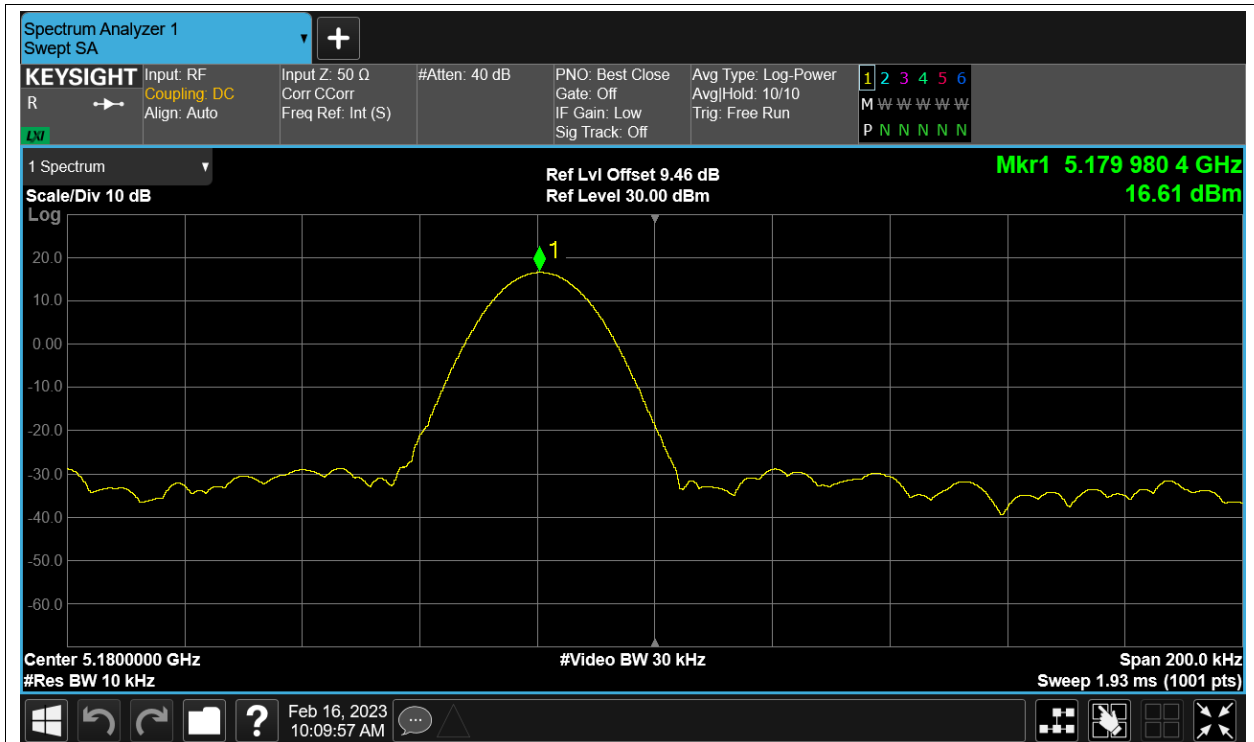
Freq. Stability NVHT a 5180MHz Ant2



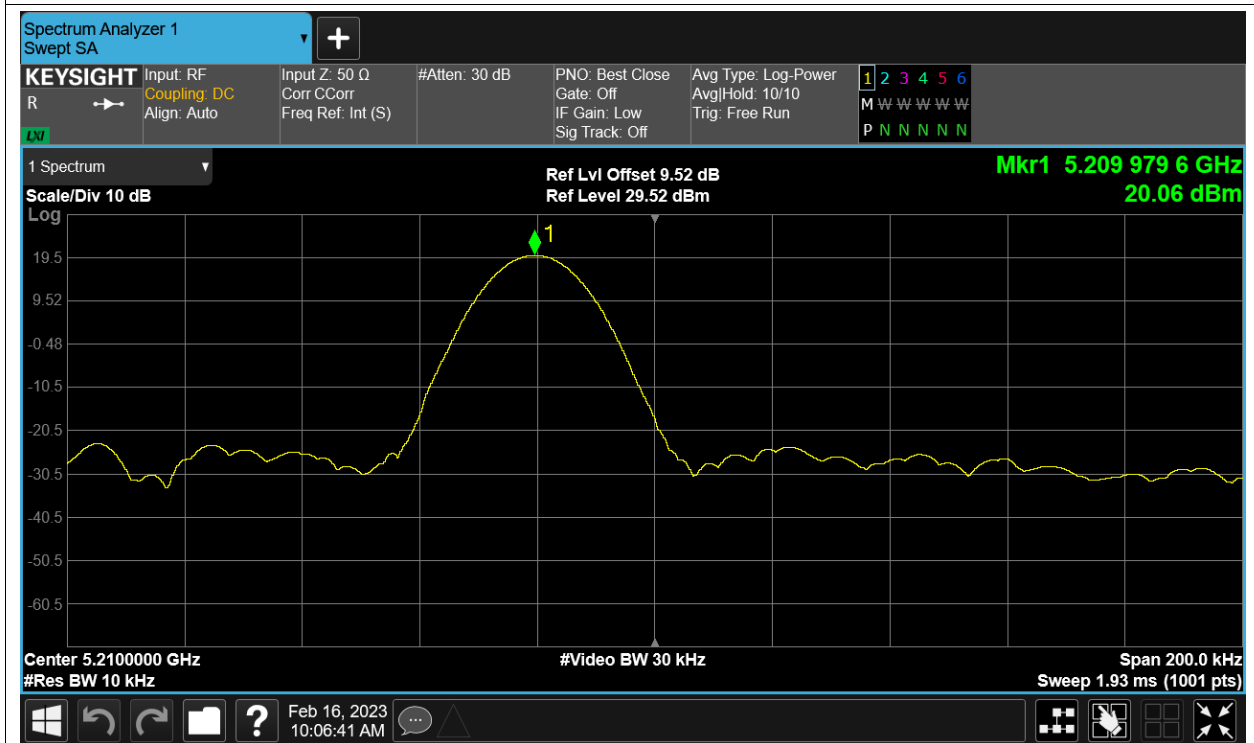
Freq. Stability NVLT a 5180MHz Ant2



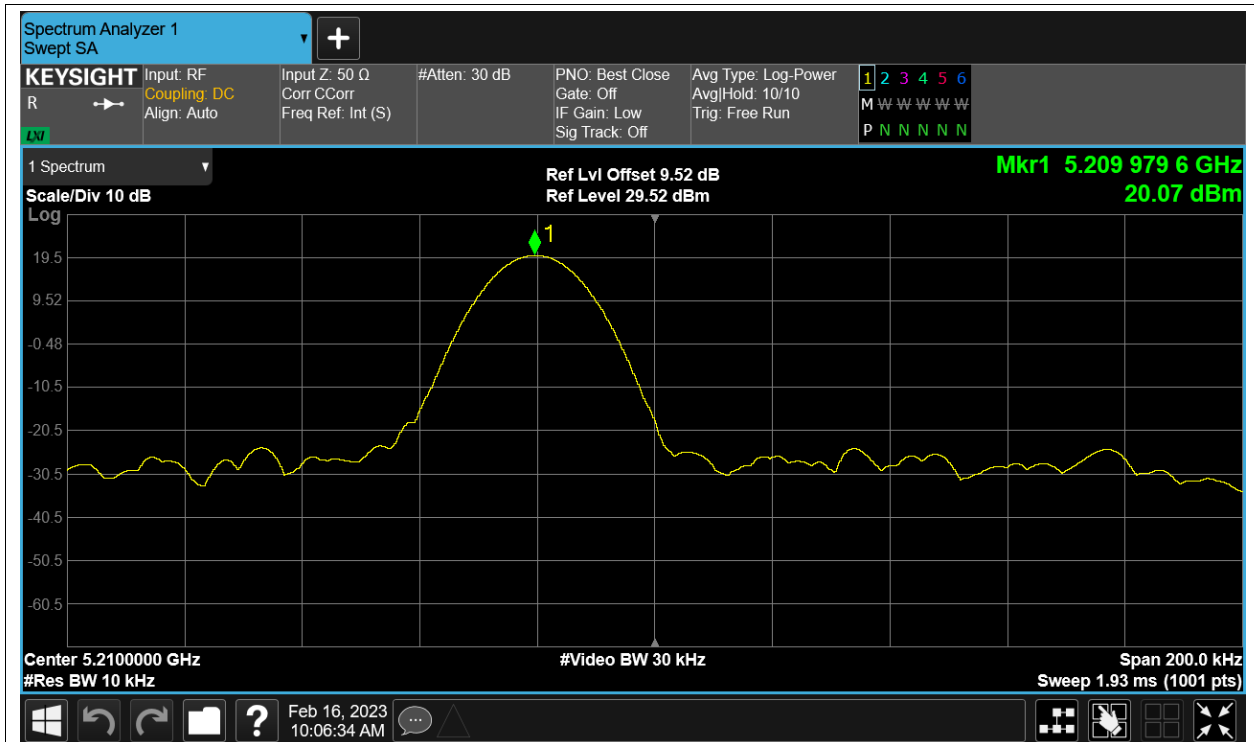
Freq. Stability NVNT a 5180MHz Ant2



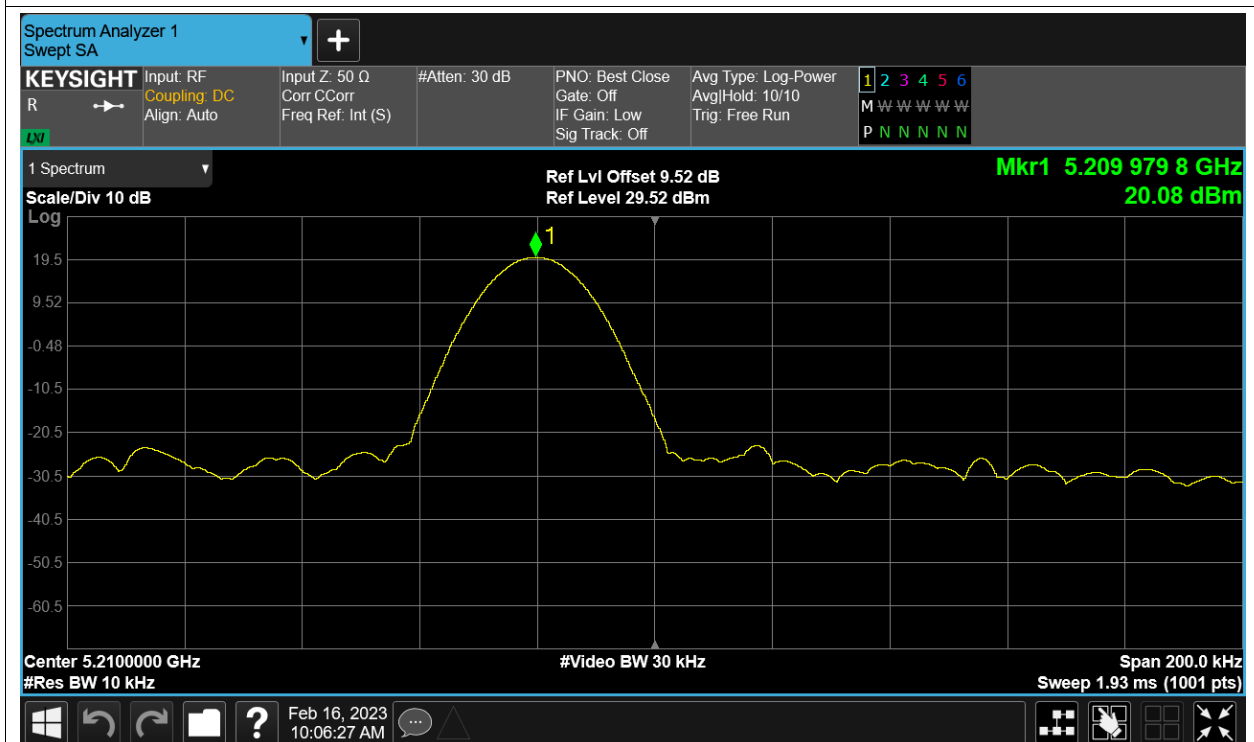
Freq. Stability HVNT ac80 5210MHz Ant2



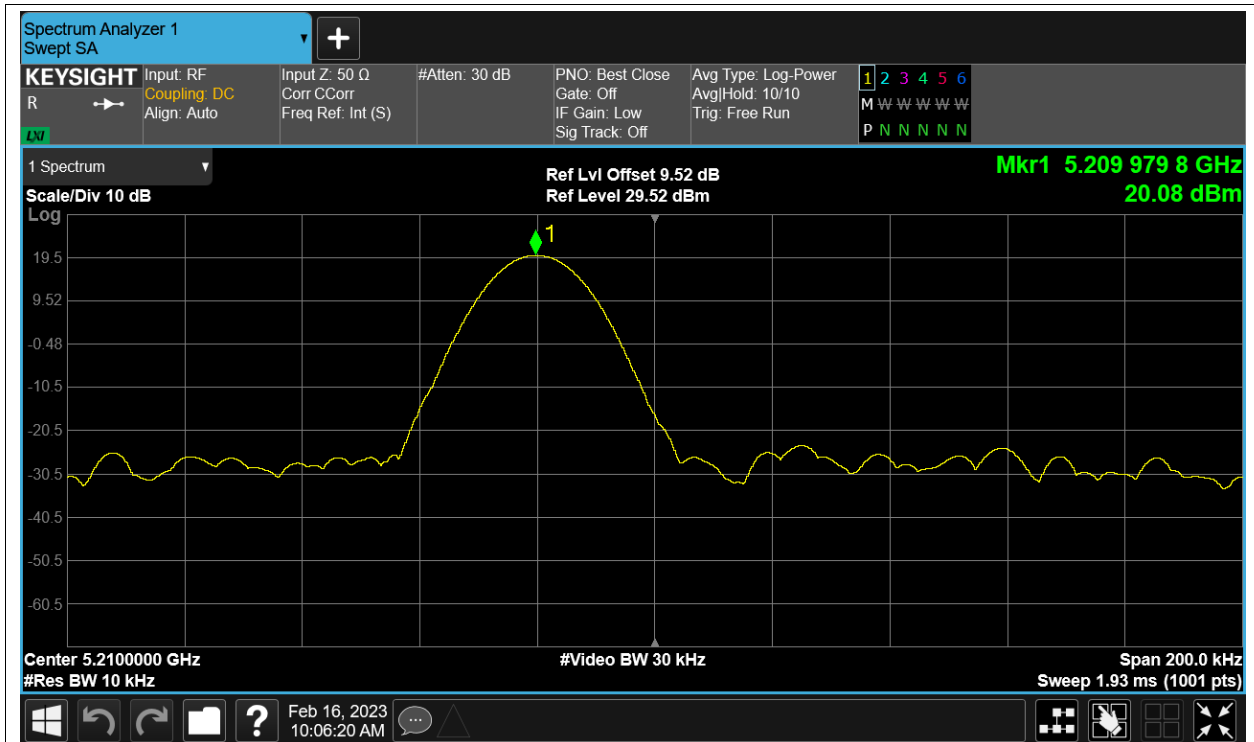
Freq. Stability LVNT ac80 5210MHz Ant2



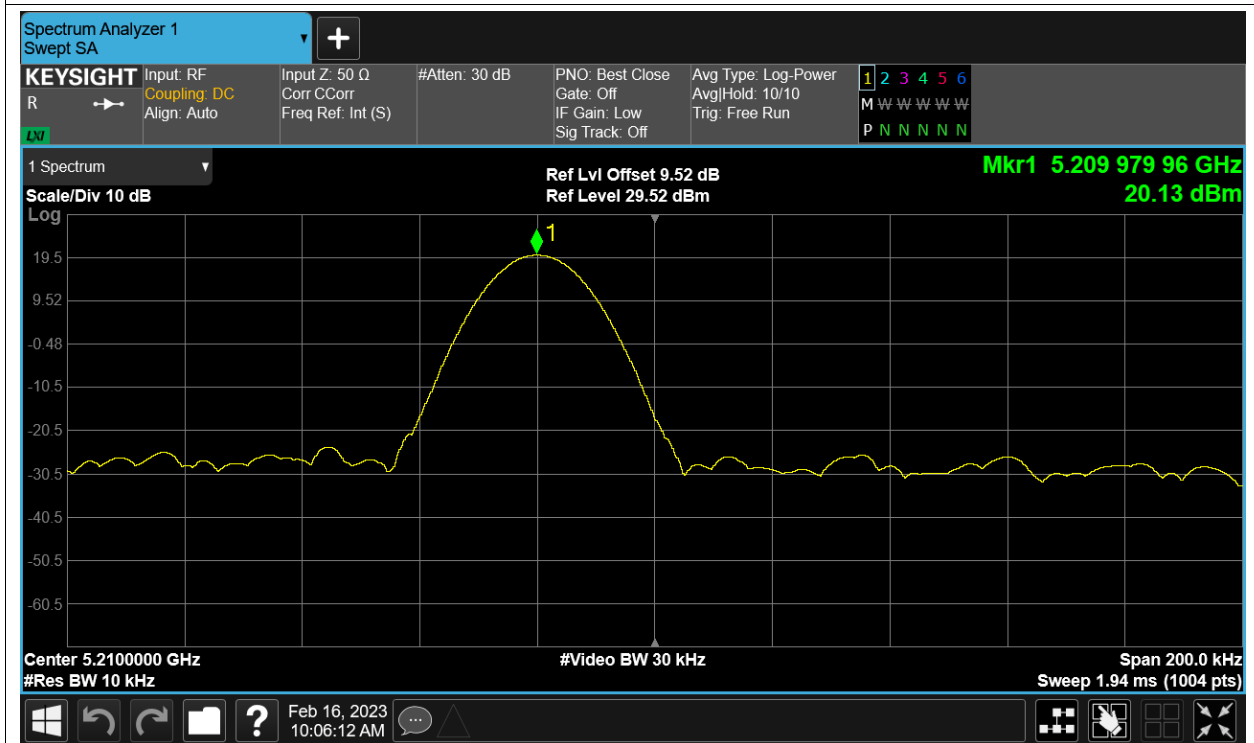
Freq. Stability NVHT ac80 5210MHz Ant2



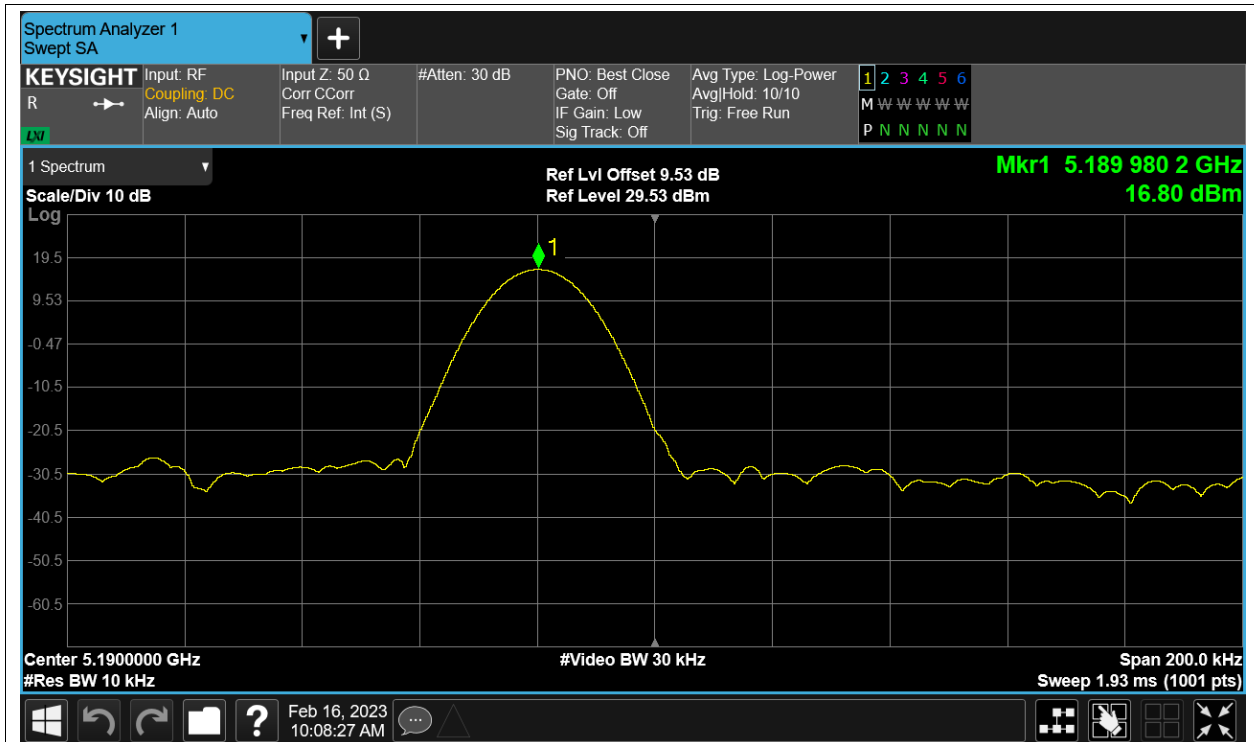
Freq. Stability NVLT ac80 5210MHz Ant2



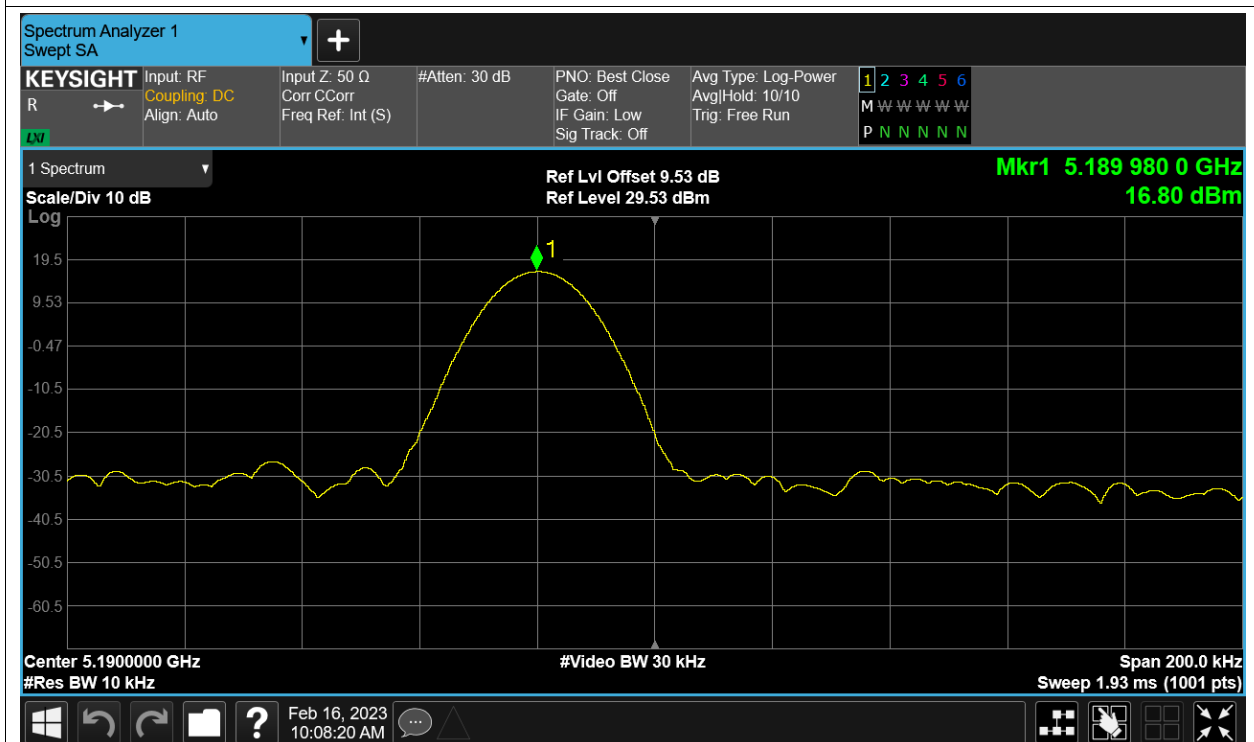
Freq. Stability NVNT ac80 5210MHz Ant2



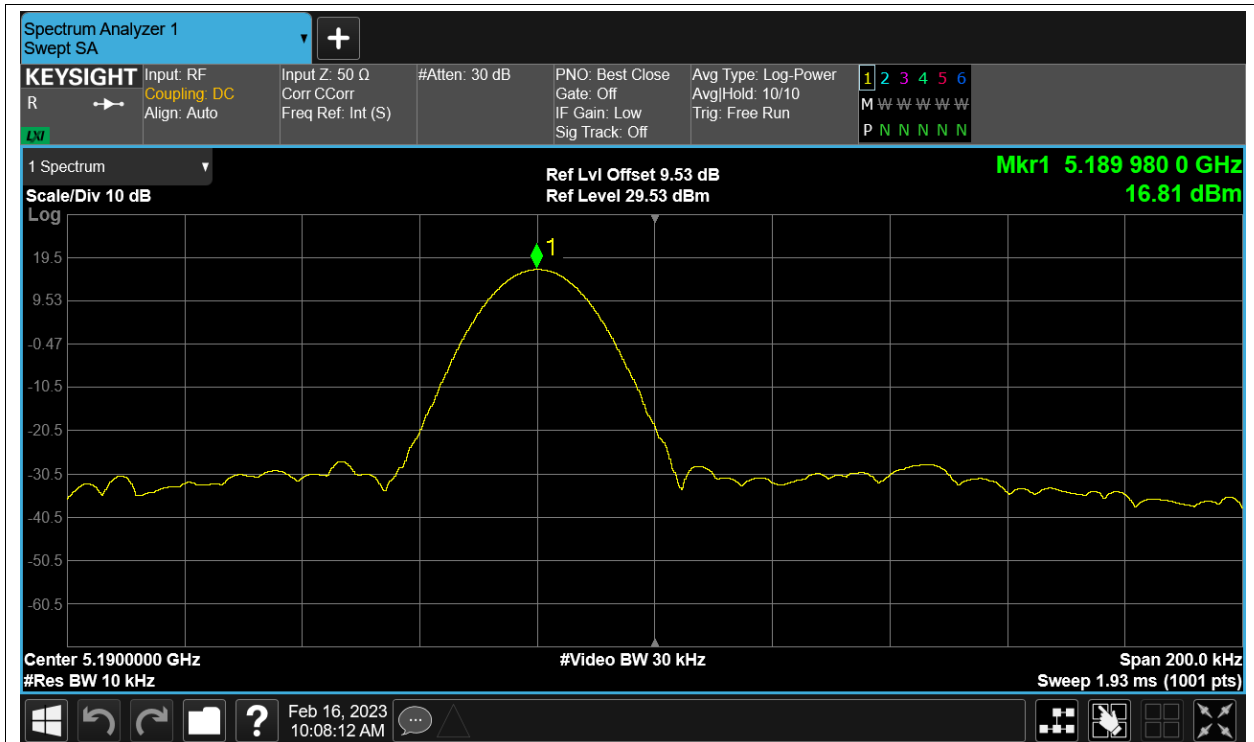
Freq. Stability HVNT n40 5190MHz Ant2



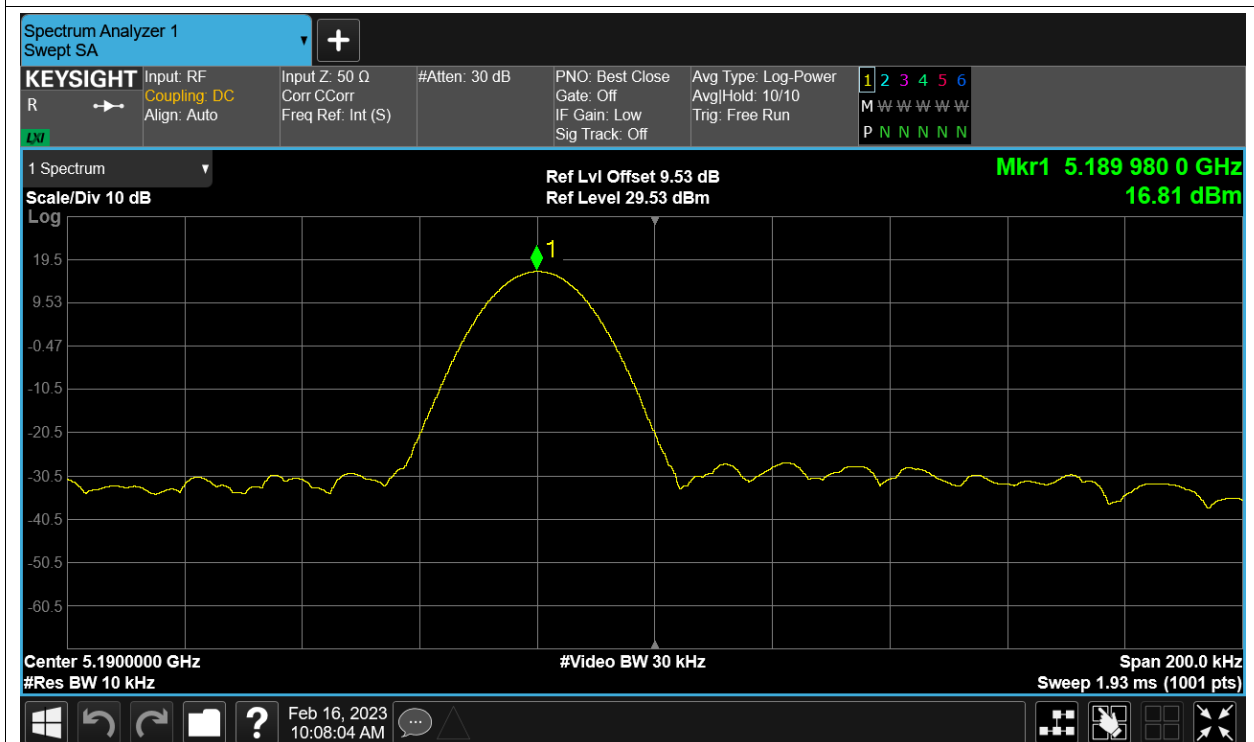
Freq. Stability LVNT n40 5190MHz Ant2



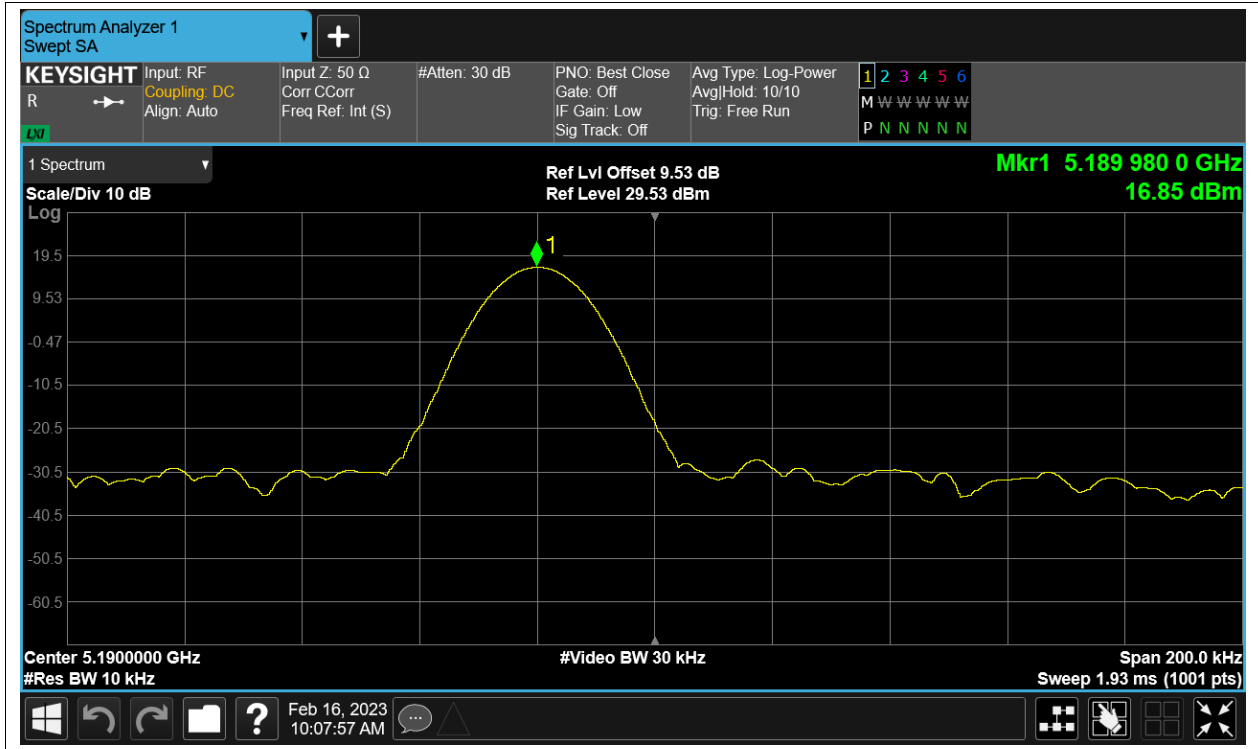
Freq. Stability NVHT n40 5190MHz Ant2



Freq. Stability NVLT n40 5190MHz Ant2



Freq. Stability NVNT n40 5190MHz Ant2

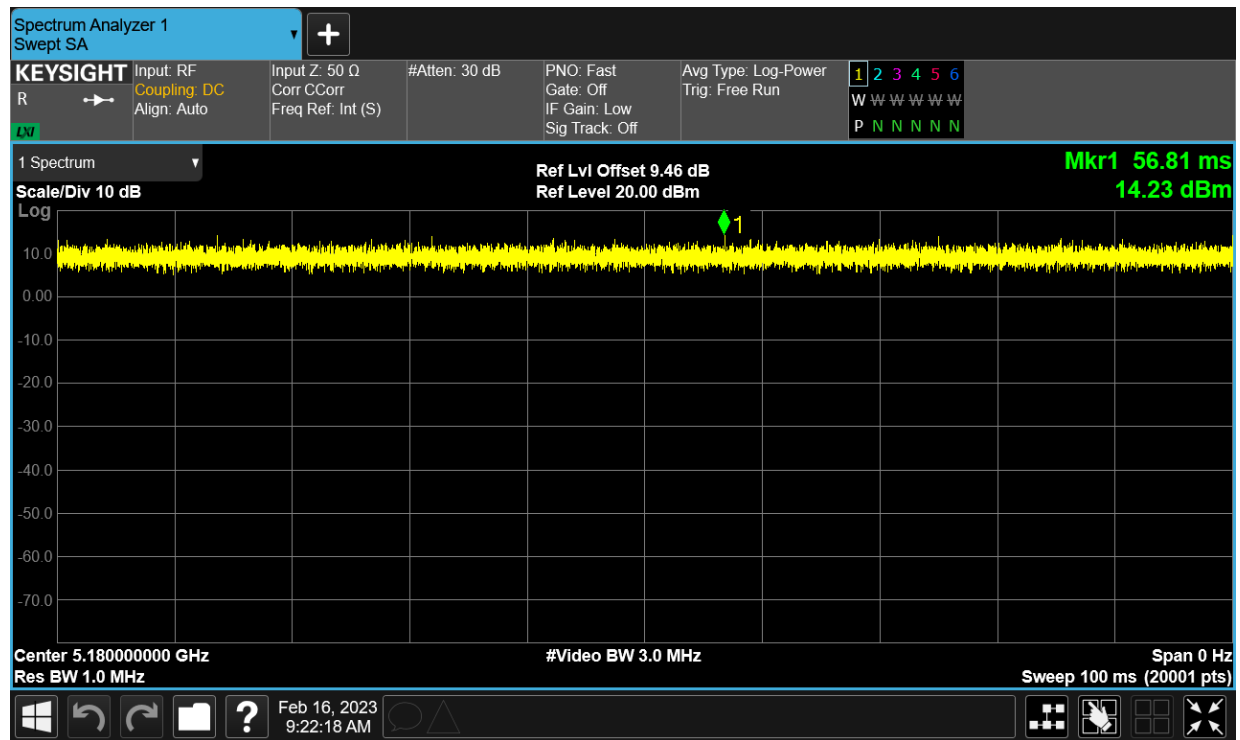


Duty Cycle

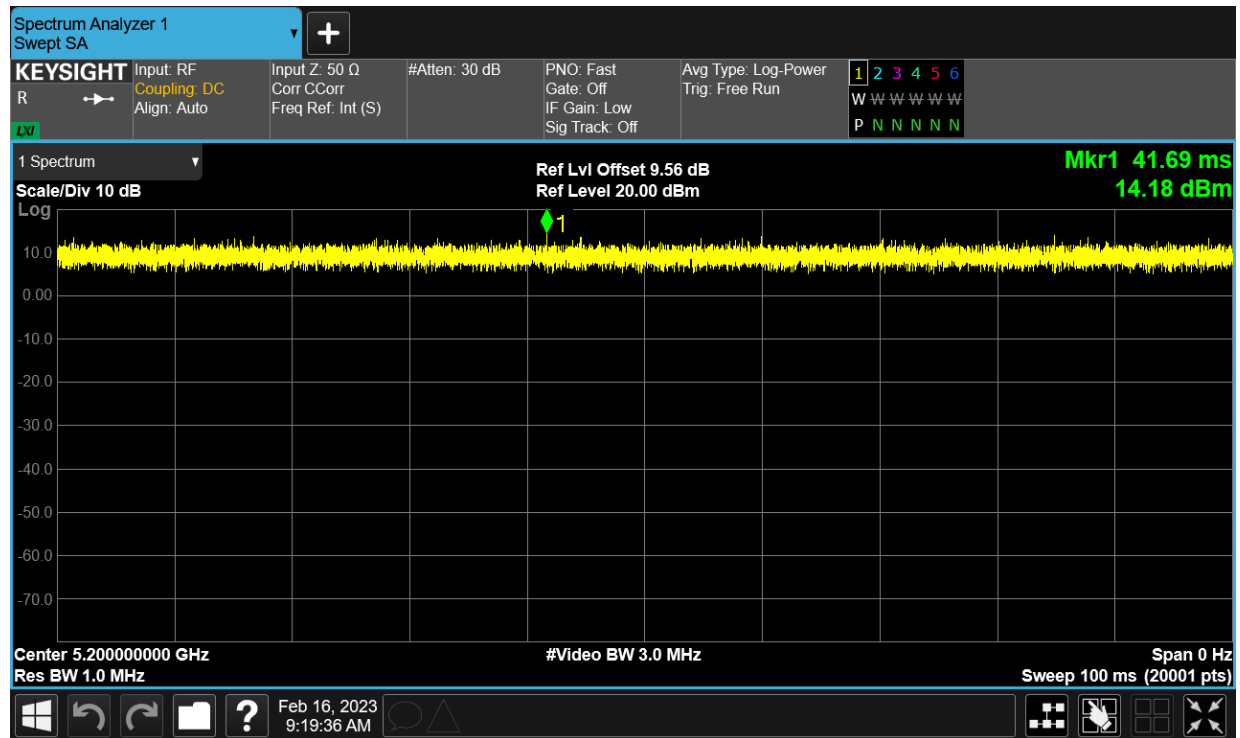
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant2	100	0
NVNT	a	5200	Ant2	100	0
NVNT	a	5240	Ant2	100	0
NVNT	ac20	5180	Ant2	100	0
NVNT	ac20	5200	Ant2	100	0
NVNT	ac20	5240	Ant2	100	0
NVNT	ac40	5190	Ant2	100	0
NVNT	ac40	5230	Ant2	100	0
NVNT	ac80	5210	Ant2	100	0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

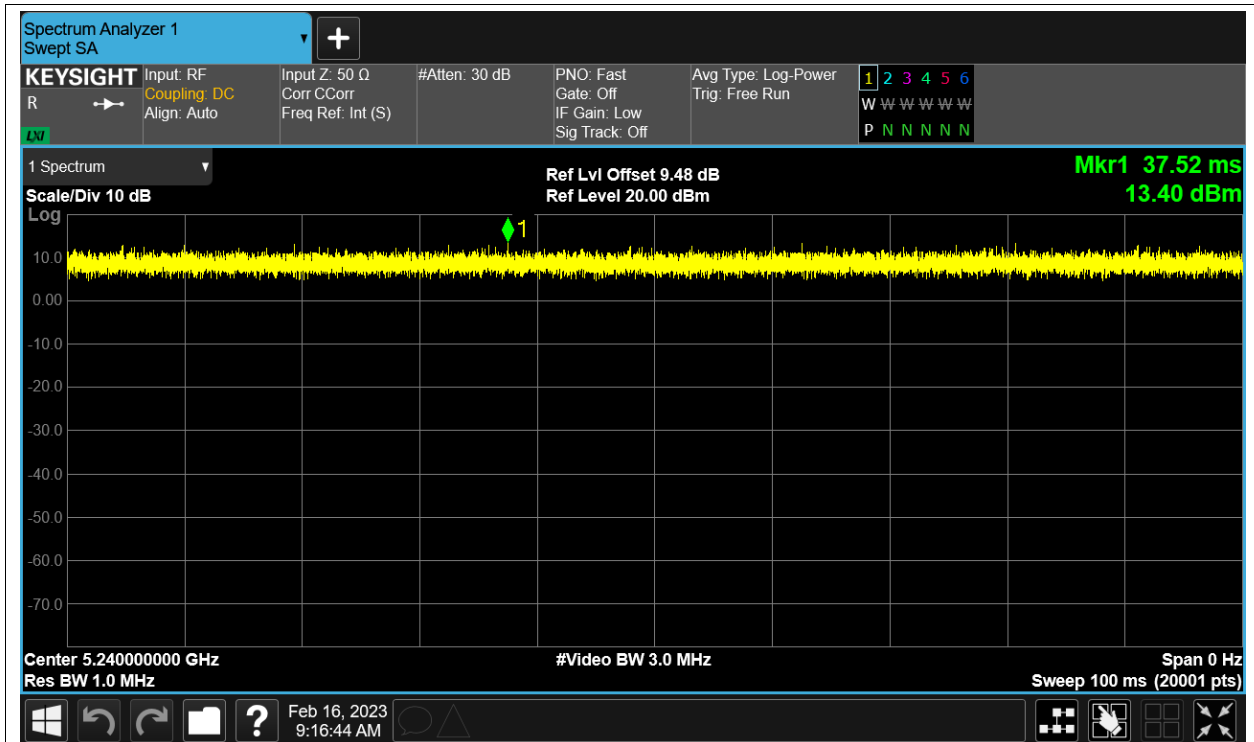
Duty Cycle NVNT a 5180MHz Ant2



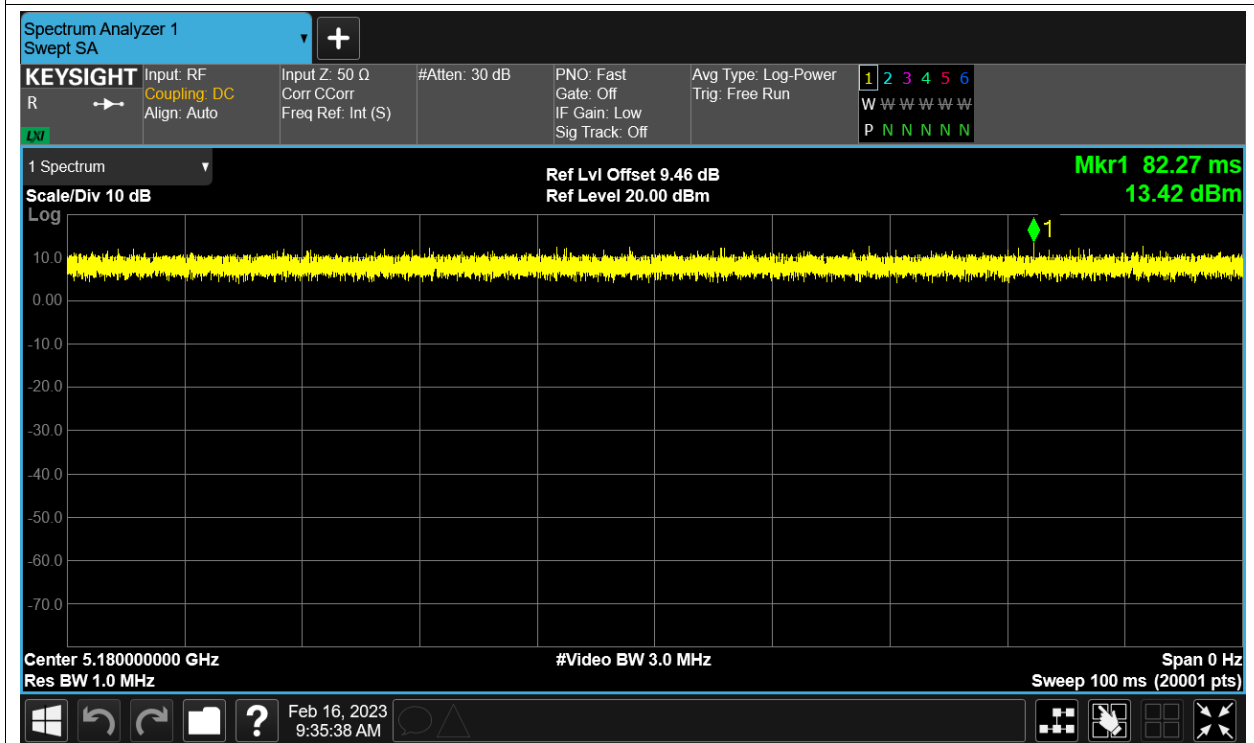
Duty Cycle NVNT a 5200MHz Ant2



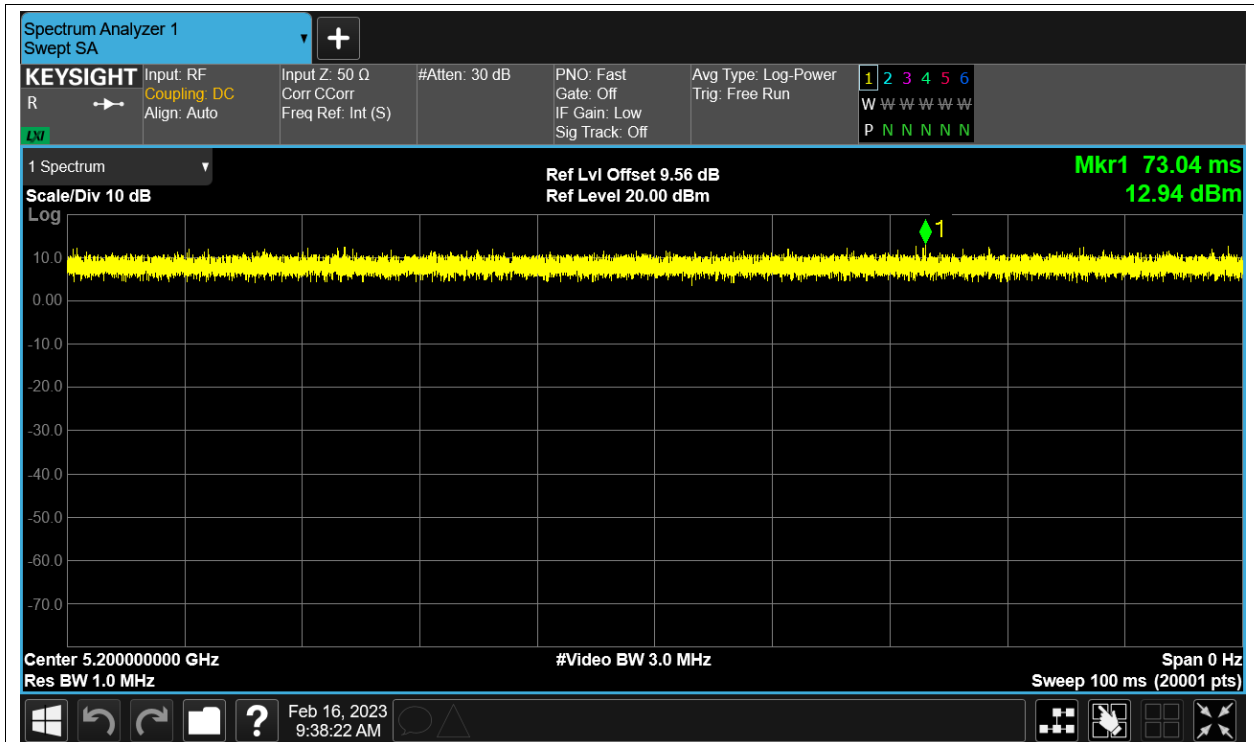
Duty Cycle NVNT a 5240MHz Ant2



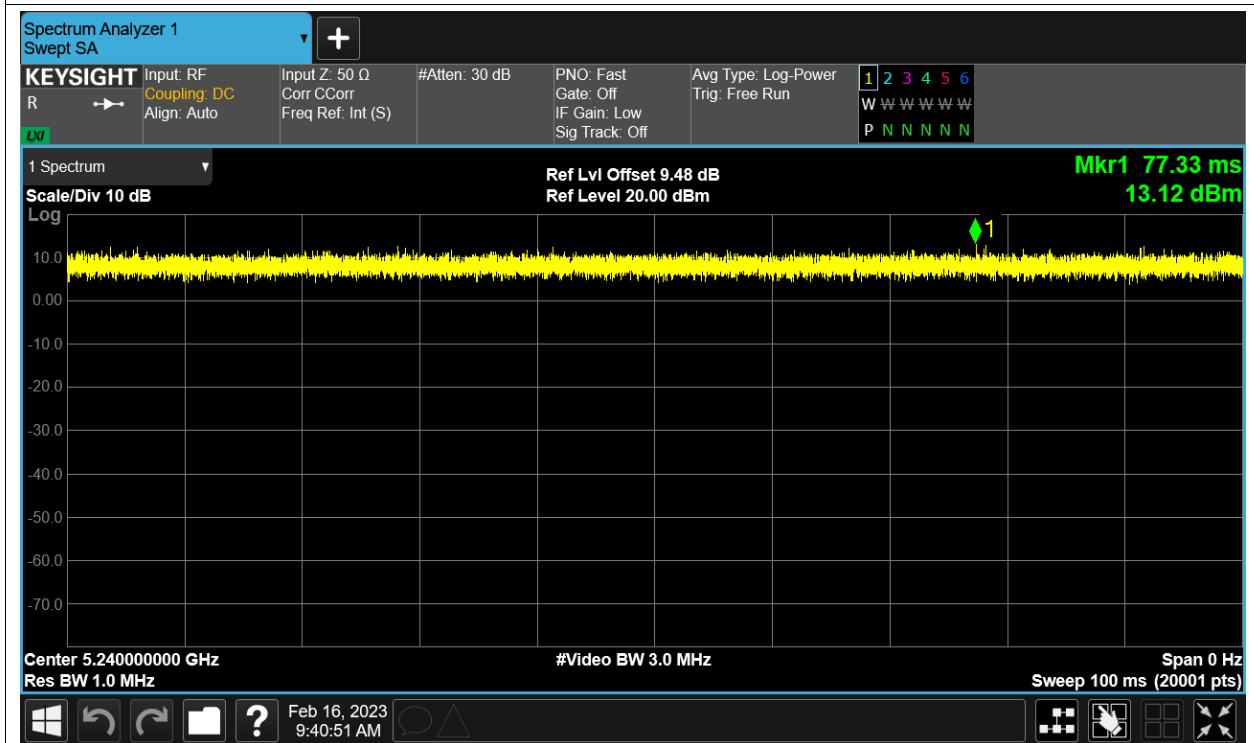
Duty Cycle NVNT ac20 5180MHz Ant2



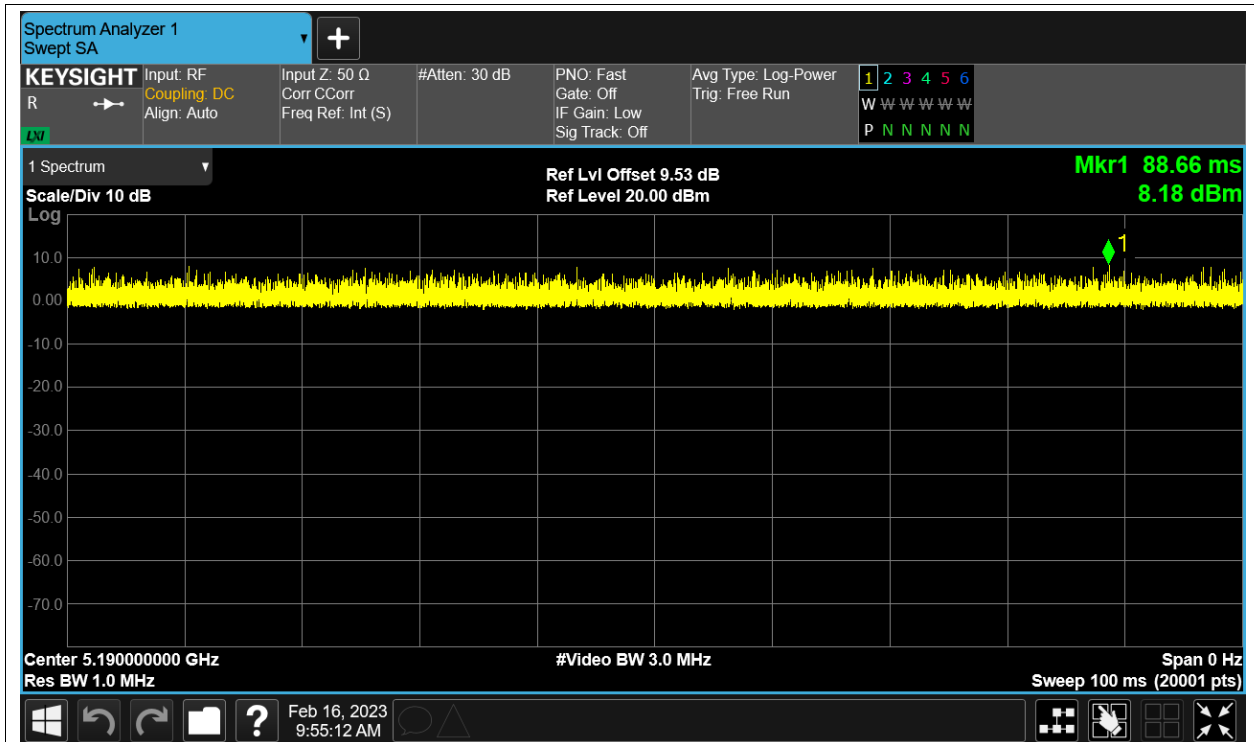
Duty Cycle NVNT ac20 5200MHz Ant2



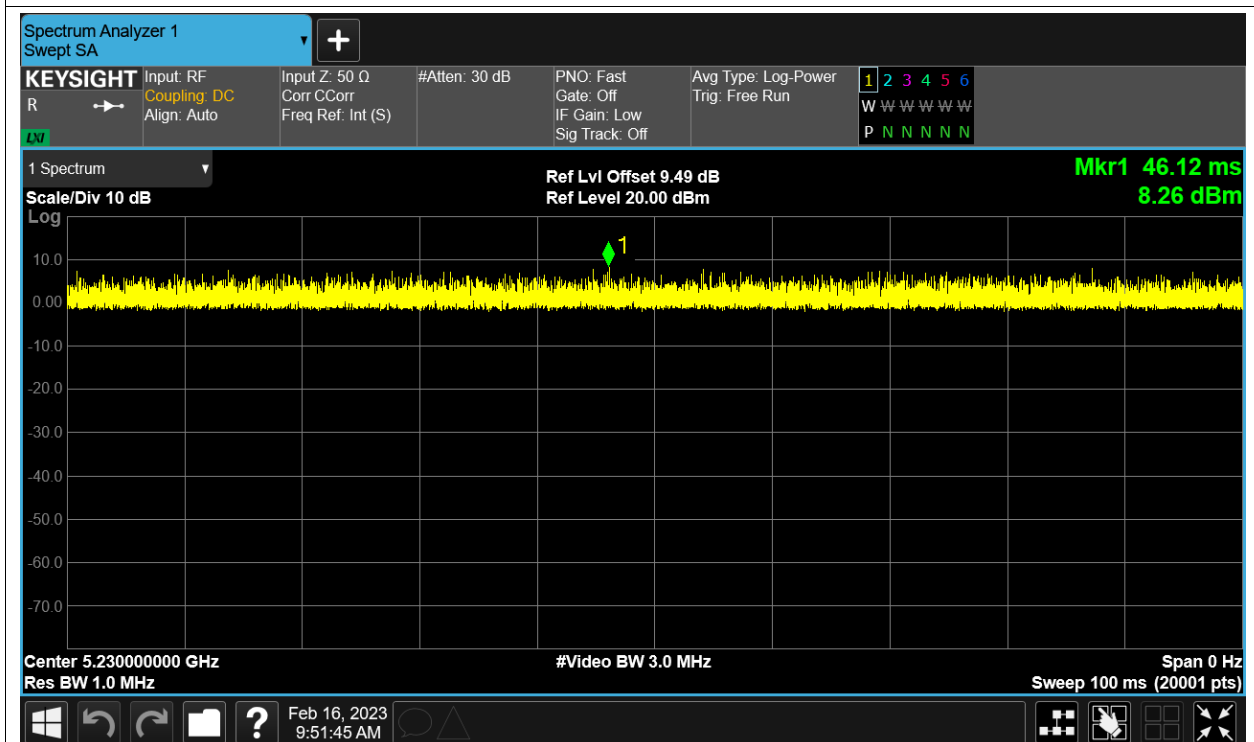
Duty Cycle NVNT ac20 5240MHz Ant2



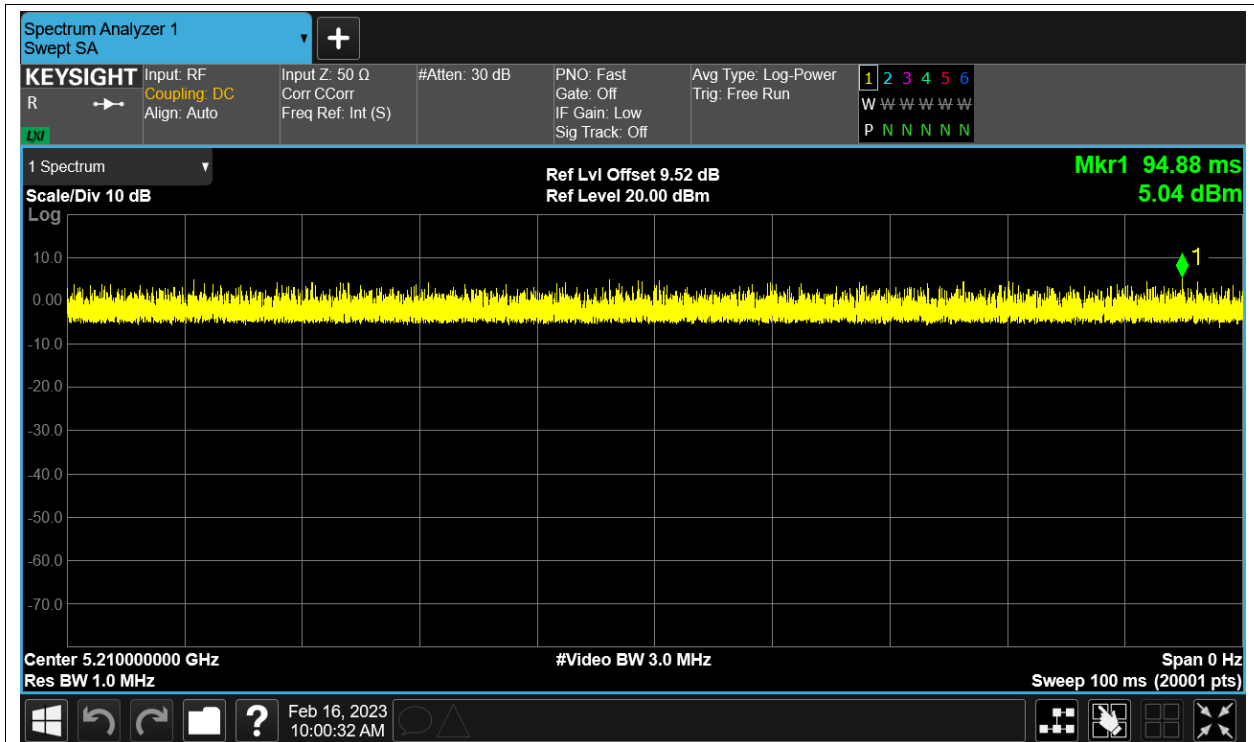
Duty Cycle NVNT ac40 5190MHz Ant2



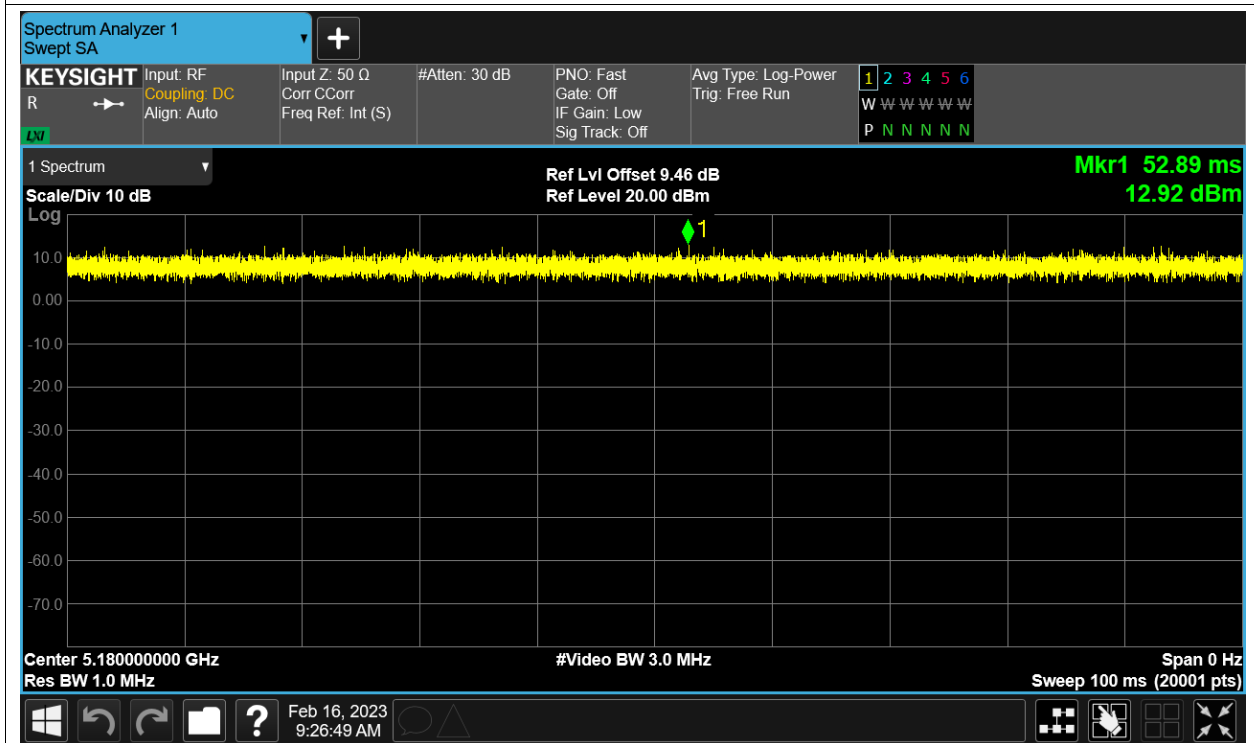
Duty Cycle NVNT ac40 5230MHz Ant2



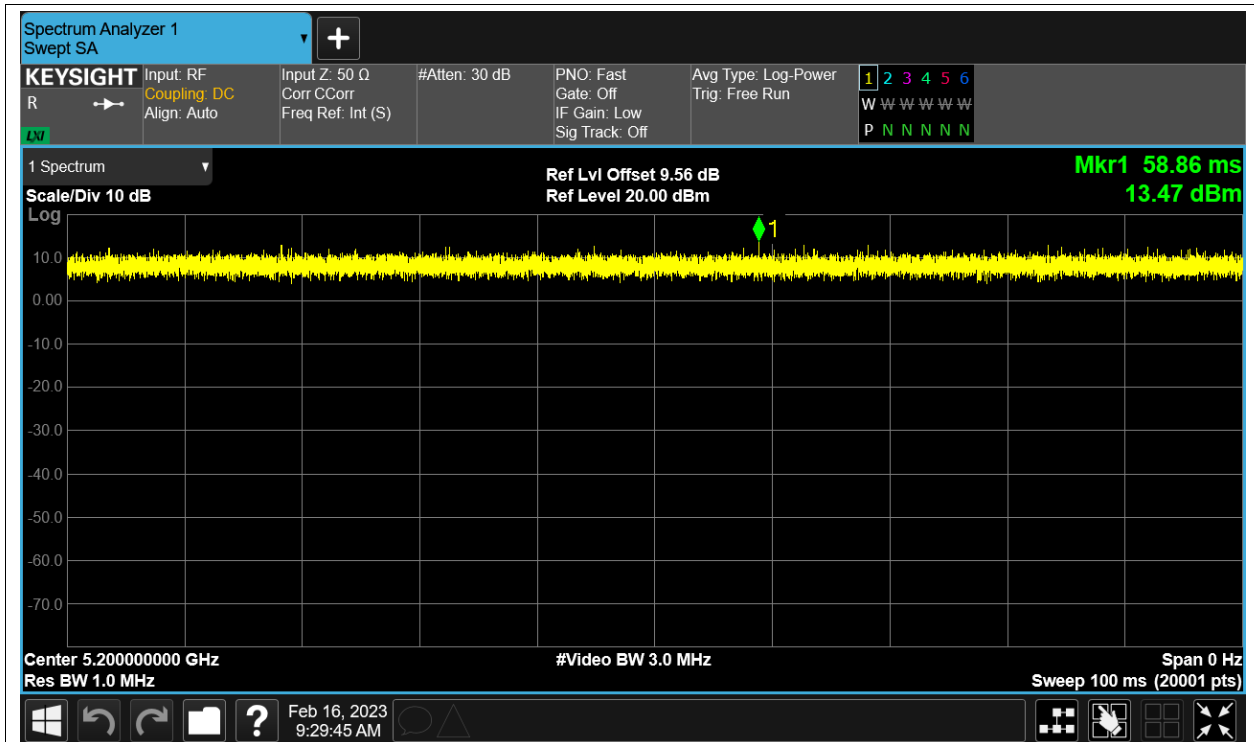
Duty Cycle NVNT ac80 5210MHz Ant2



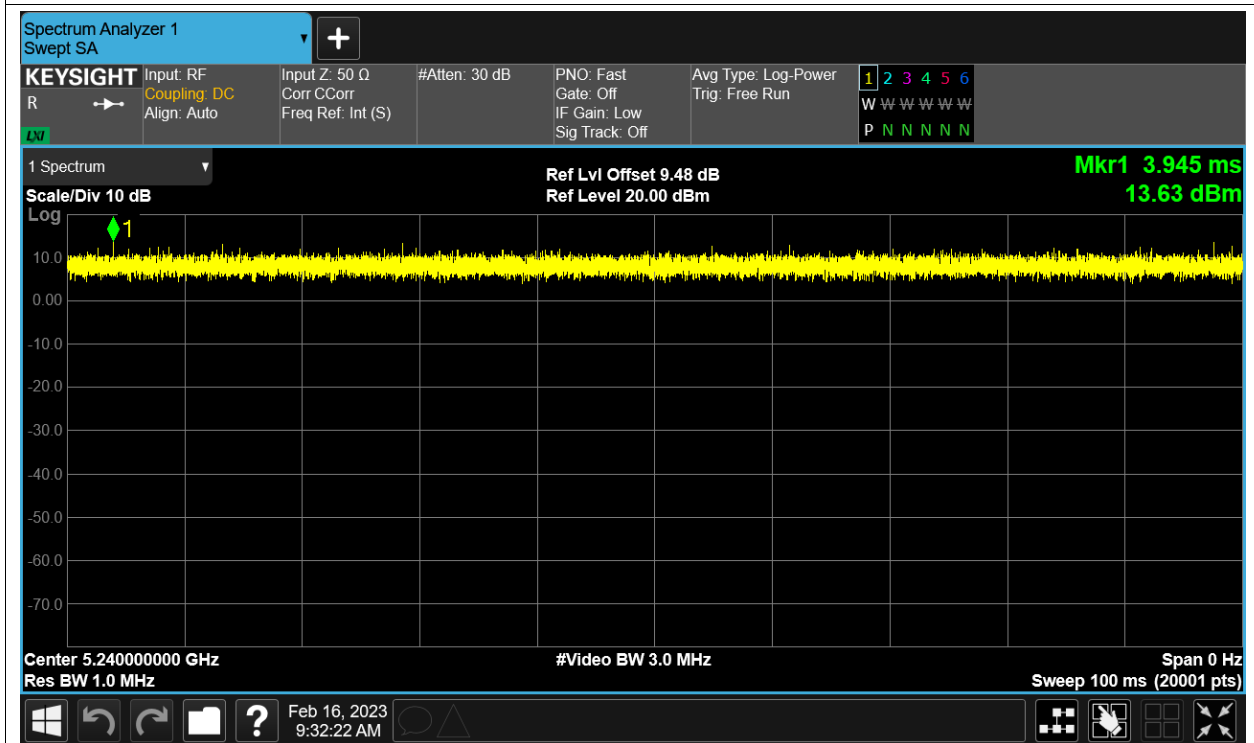
Duty Cycle NVNT n20 5180MHz Ant2



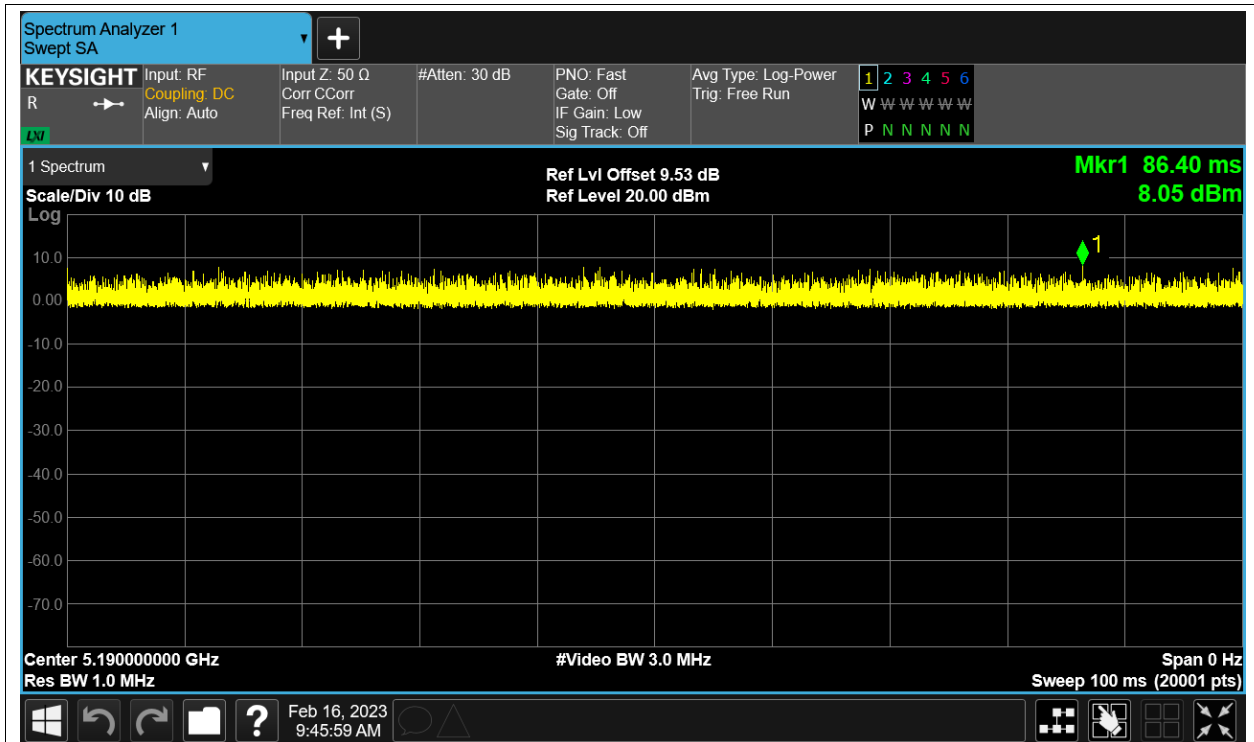
Duty Cycle NVNT n20 5200MHz Ant2



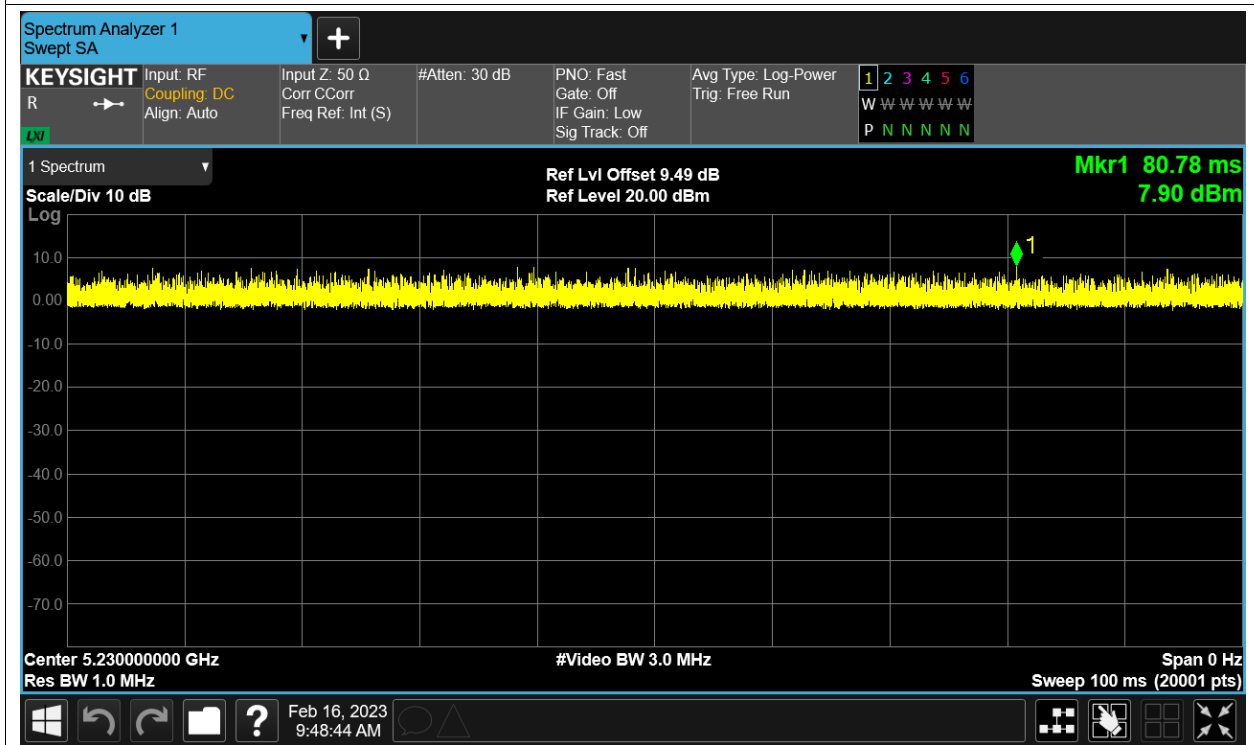
Duty Cycle NVNT n20 5240MHz Ant2



Duty Cycle NVNT n40 5190MHz Ant2



Duty Cycle NVNT n40 5230MHz Ant2



Maximum Conducted Output Power

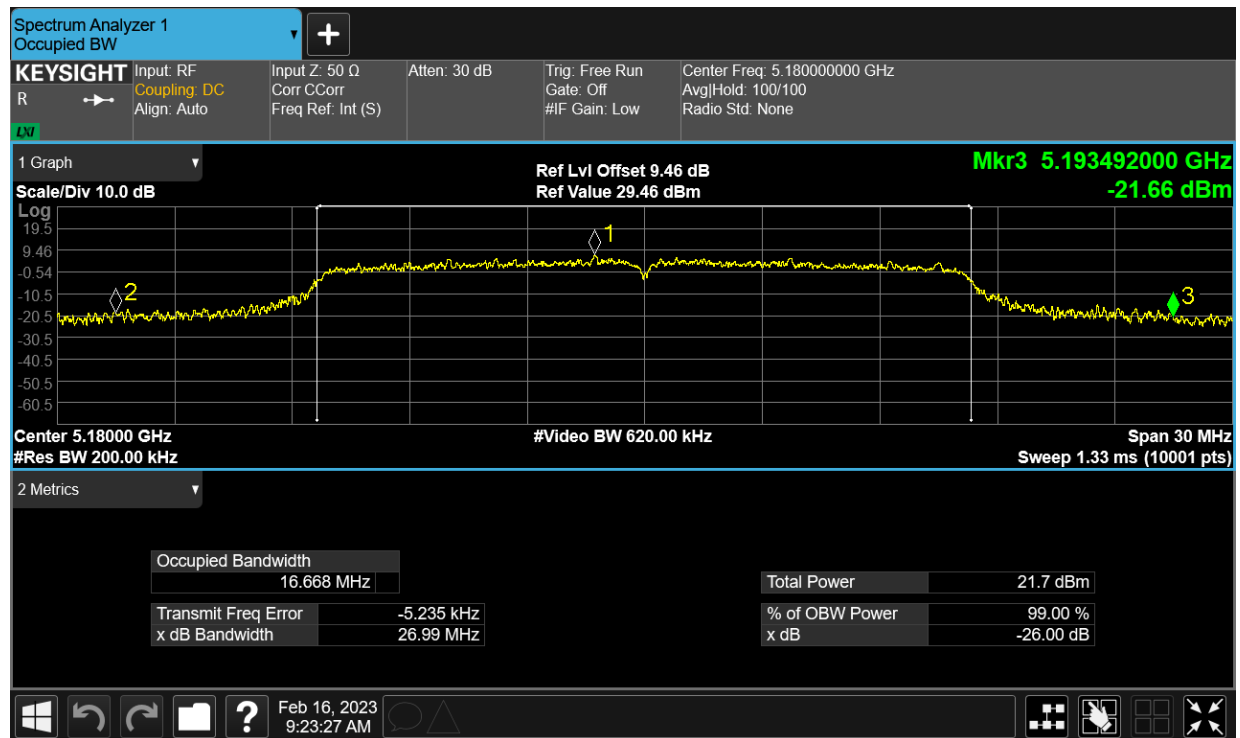
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	16.7	0	16.7	24	Pass
NVNT	a	5200	Ant2	16.4	0	16.4	24	Pass
NVNT	a	5240	Ant2	16.27	0	16.27	24	Pass
NVNT	ac20	5180	Ant2	15.73	0	15.73	24	Pass
NVNT	ac20	5200	Ant2	15.4	0	15.4	24	Pass
NVNT	ac20	5240	Ant2	15.3	0	15.3	24	Pass
NVNT	ac40	5190	Ant2	15.69	0	15.69	24	Pass
NVNT	ac40	5230	Ant2	15.24	0	15.24	24	Pass
NVNT	ac80	5210	Ant2	15.27	0	15.27	24	Pass
NVNT	n20	5180	Ant2	15.7	0	15.7	24	Pass
NVNT	n20	5200	Ant2	15.38	0	15.38	24	Pass
NVNT	n20	5240	Ant2	15.35	0	15.35	24	Pass
NVNT	n40	5190	Ant2	15.7	0	15.7	24	Pass
NVNT	n40	5230	Ant2	15.23	0	15.23	24	Pass

-26dB Bandwidth

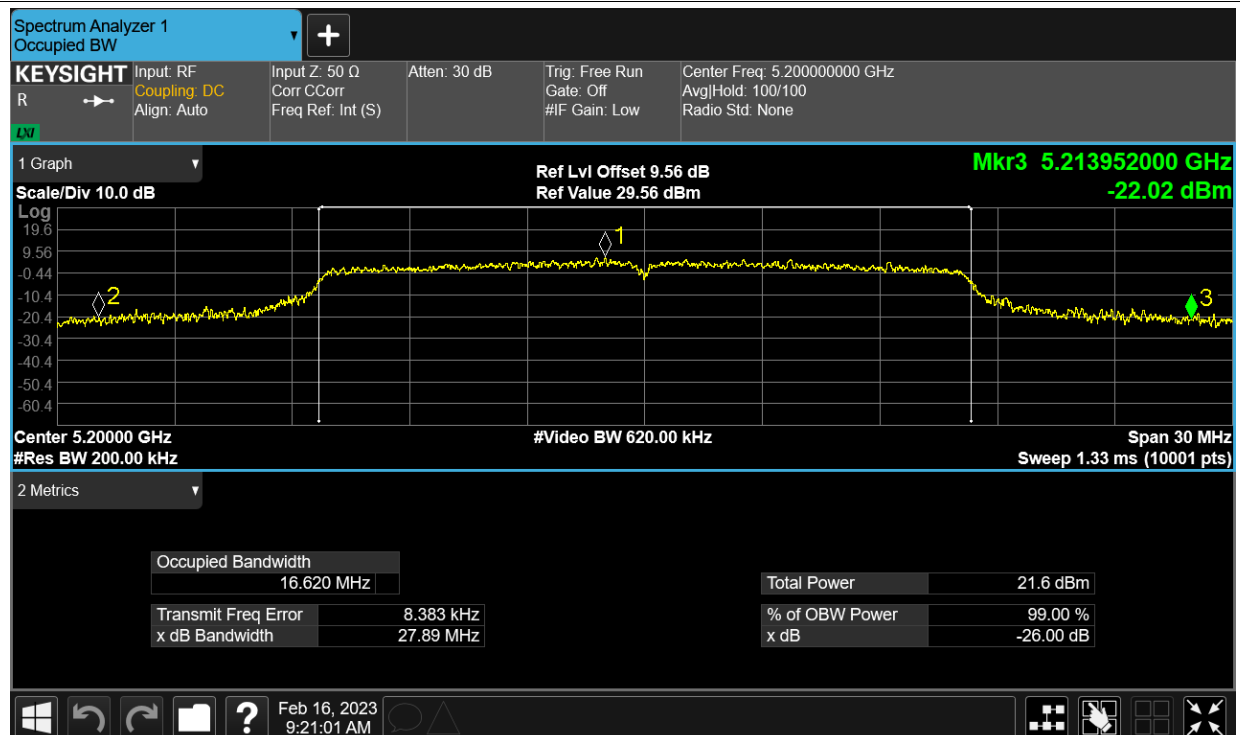
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant2	26.994
NVNT	a	5200	Ant2	27.888
NVNT	a	5240	Ant2	26.655
NVNT	ac20	5180	Ant2	23.605
NVNT	ac20	5200	Ant2	24.826
NVNT	ac20	5240	Ant2	29.72
NVNT	ac40	5190	Ant2	47.436
NVNT	ac40	5230	Ant2	40.245
NVNT	ac80	5210	Ant2	104.263
NVNT	n20	5180	Ant2	22.159
NVNT	n20	5200	Ant2	24.663
NVNT	n20	5240	Ant2	27.326
NVNT	n40	5190	Ant2	58.095
NVNT	n40	5230	Ant2	58.69

Test Graphs

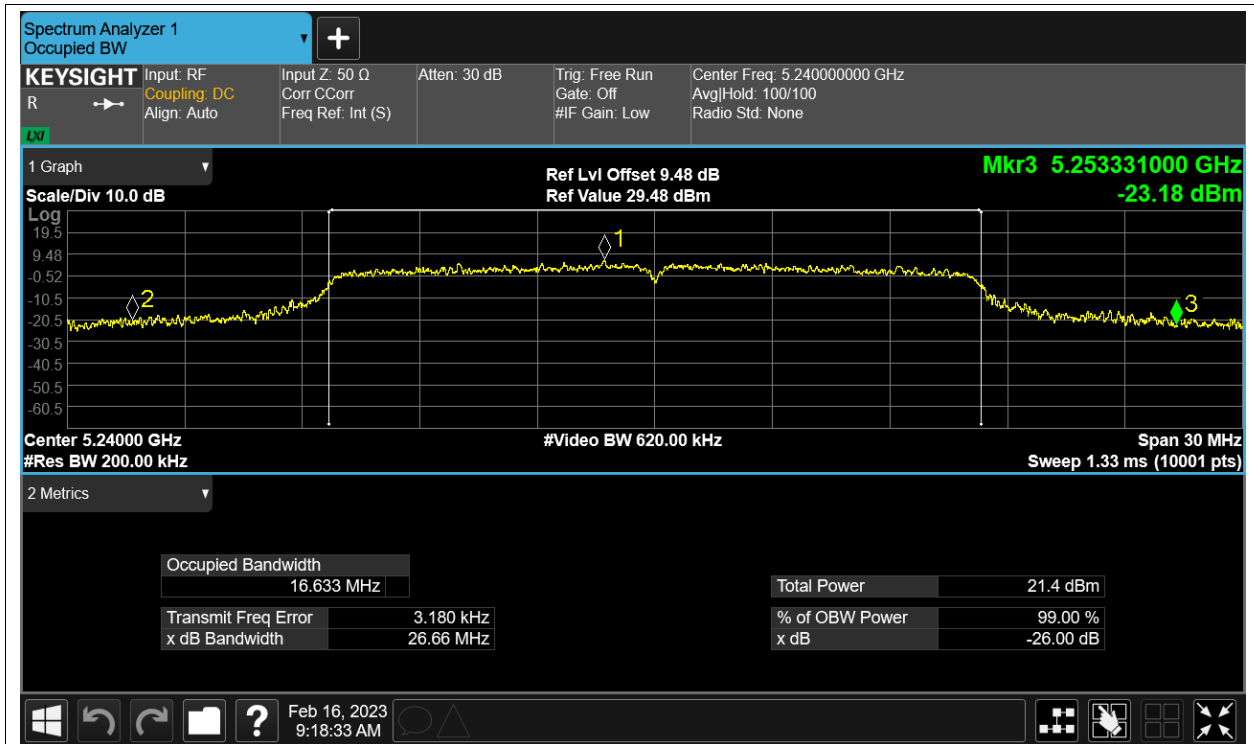
-26dB Bandwidth NVNT a 5180MHz Ant2



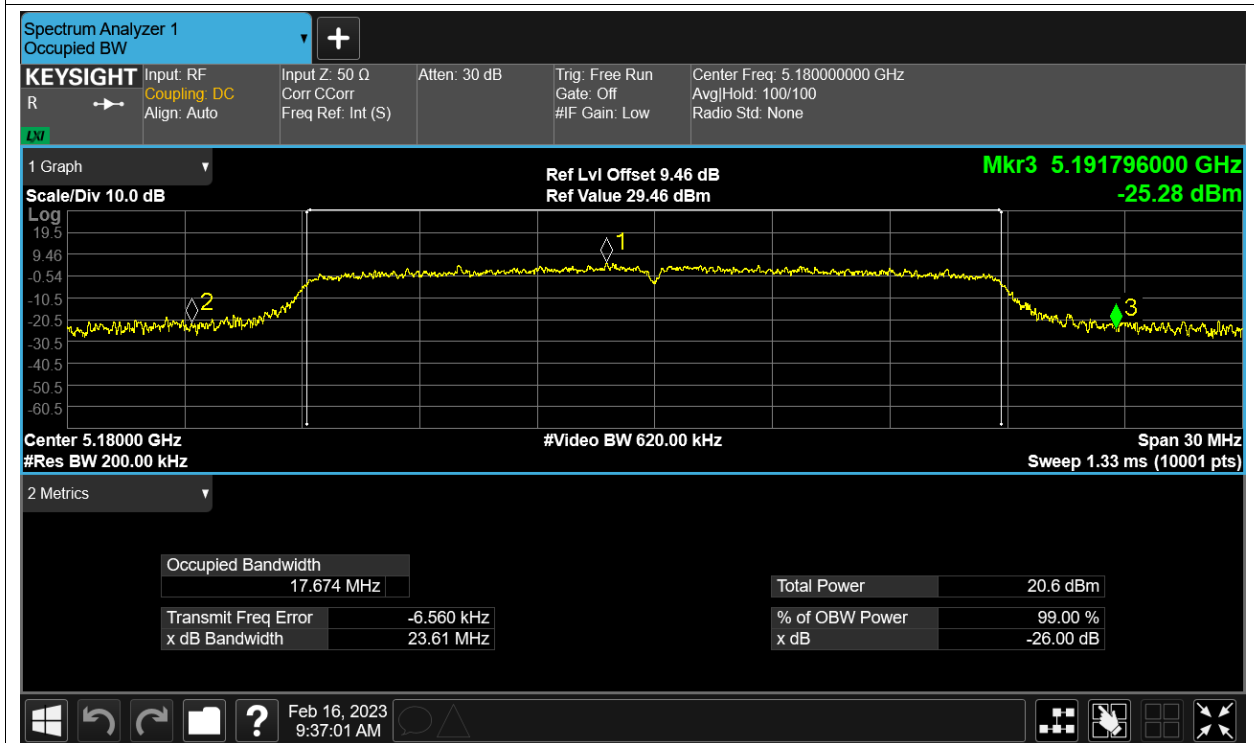
-26dB Bandwidth NVNT a 5200MHz Ant2



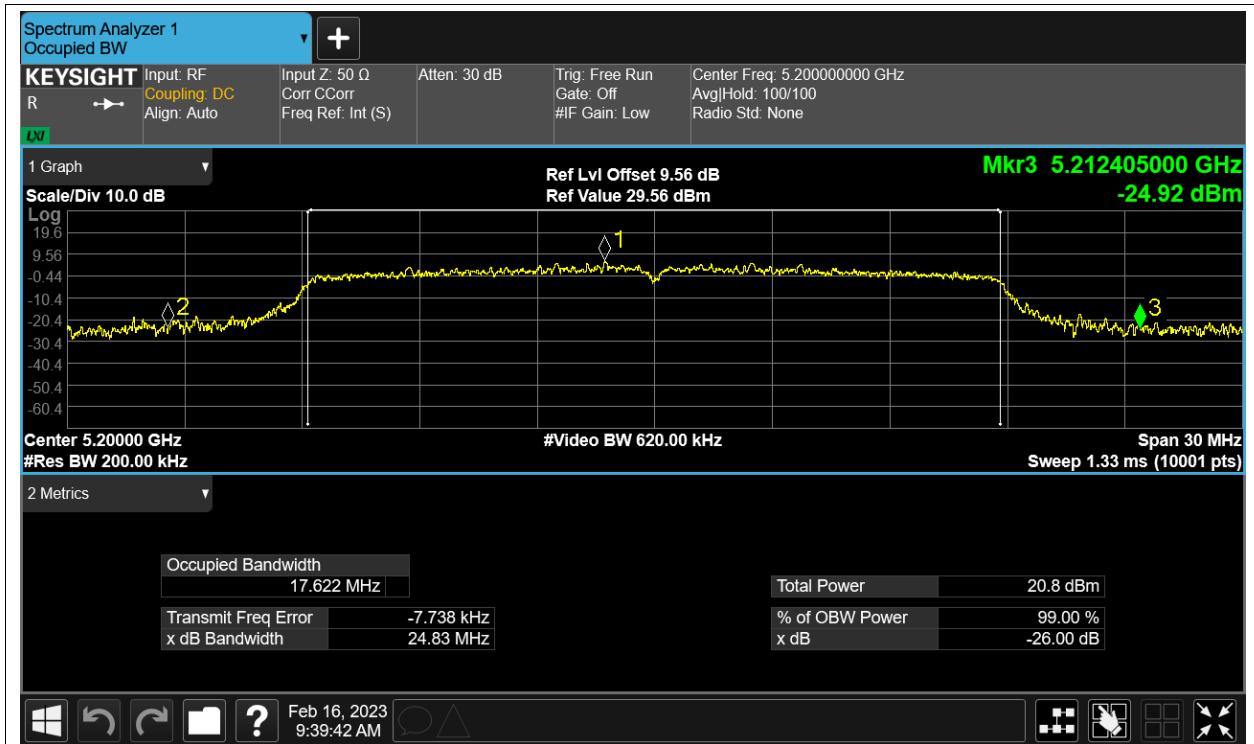
-26dB Bandwidth NVNT a 5240MHz Ant2



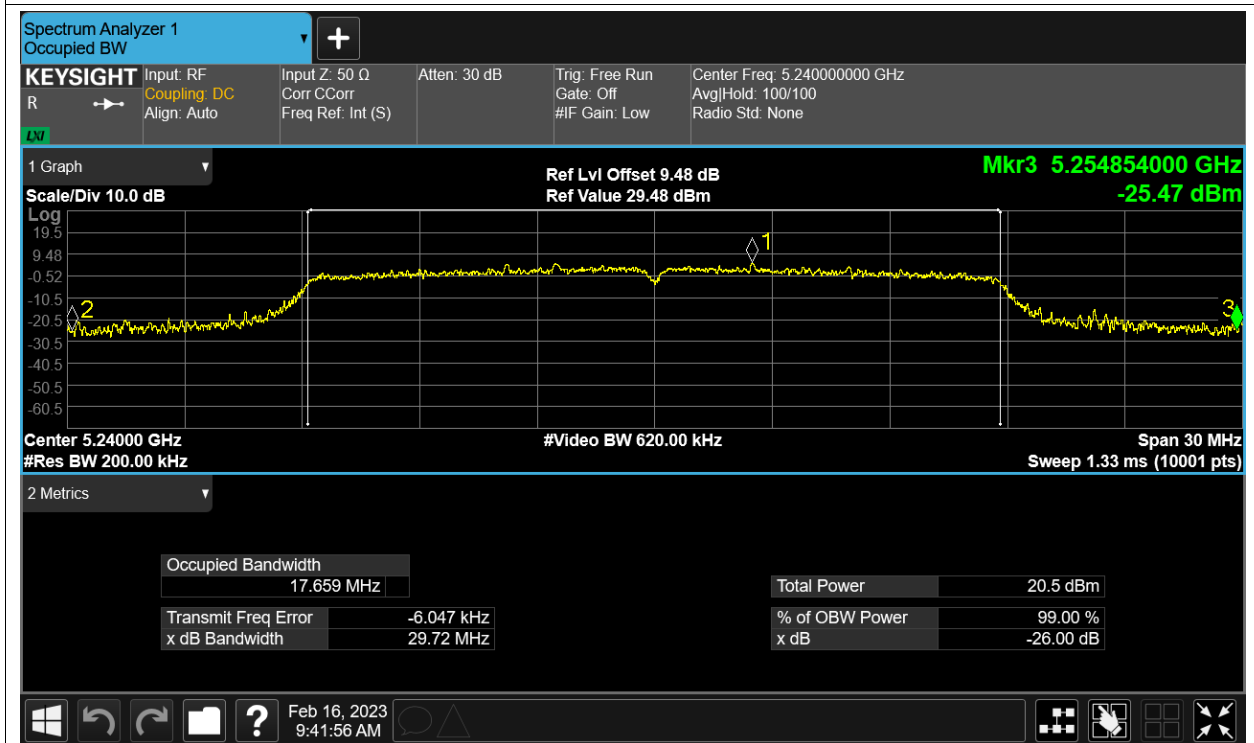
-26dB Bandwidth NVNT ac20 5180MHz Ant2



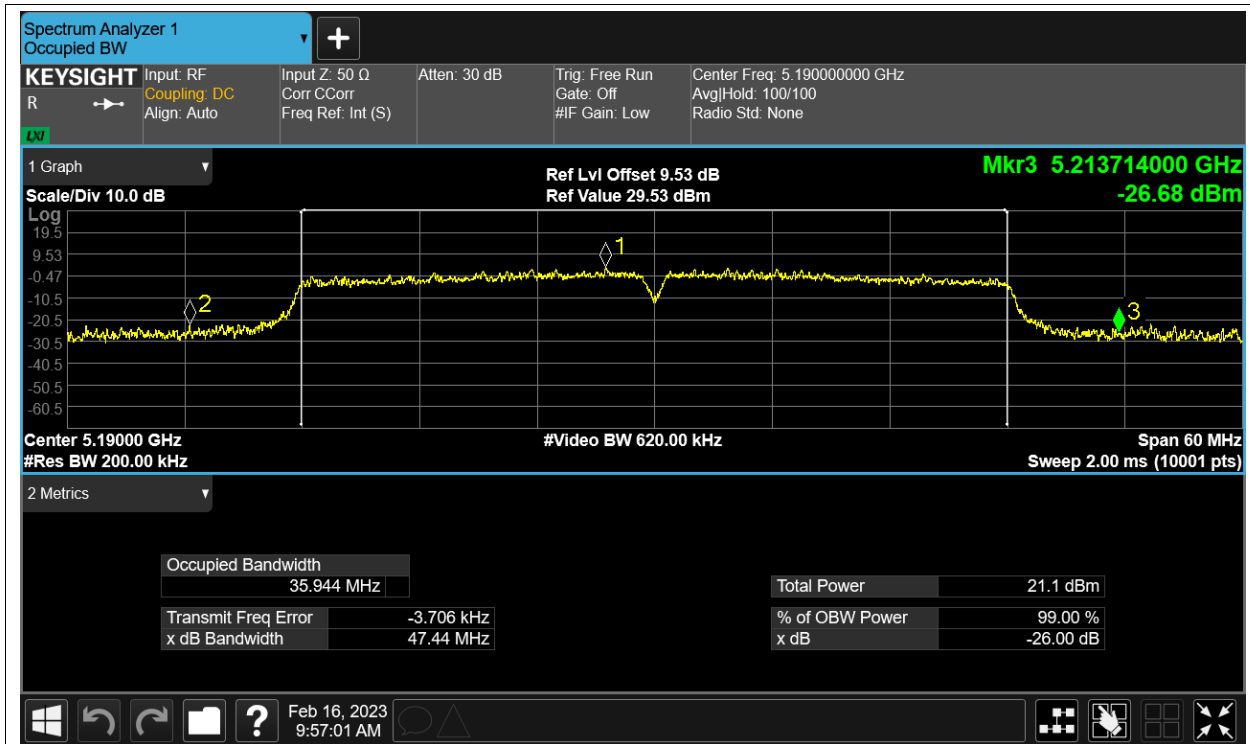
-26dB Bandwidth NVNT ac20 5200MHz Ant2



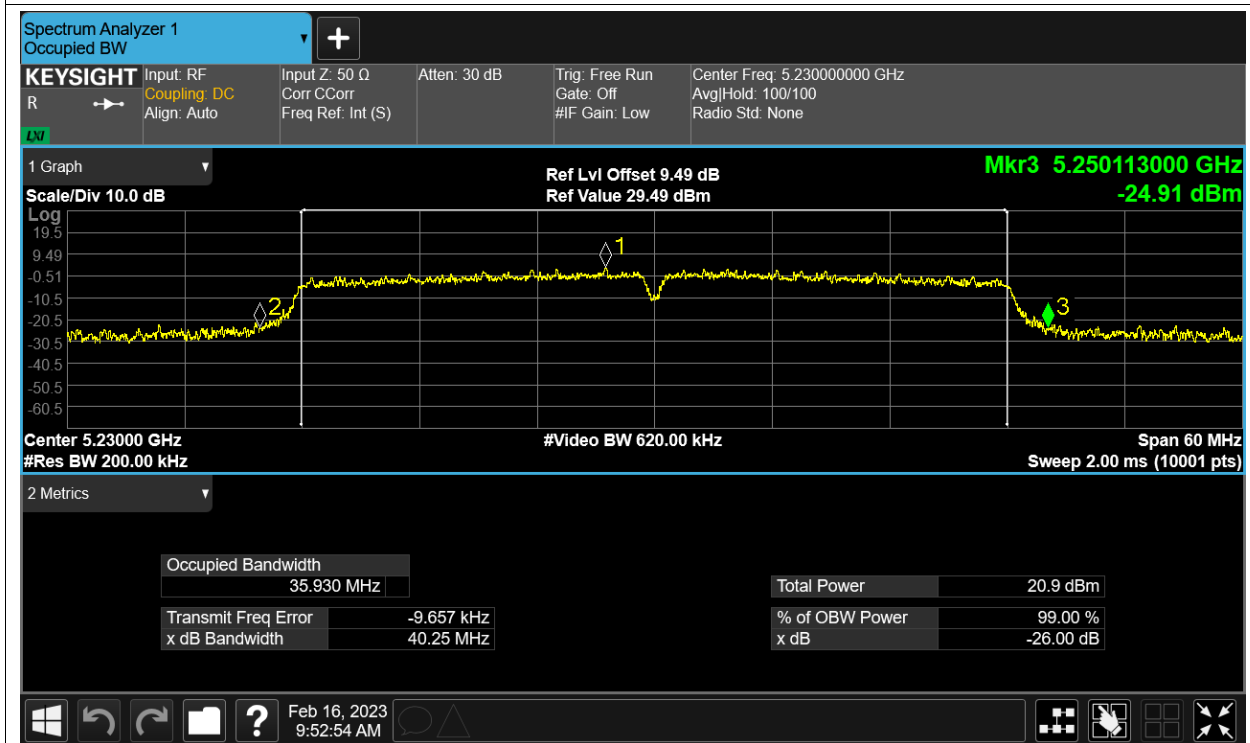
-26dB Bandwidth NVNT ac20 5240MHz Ant2



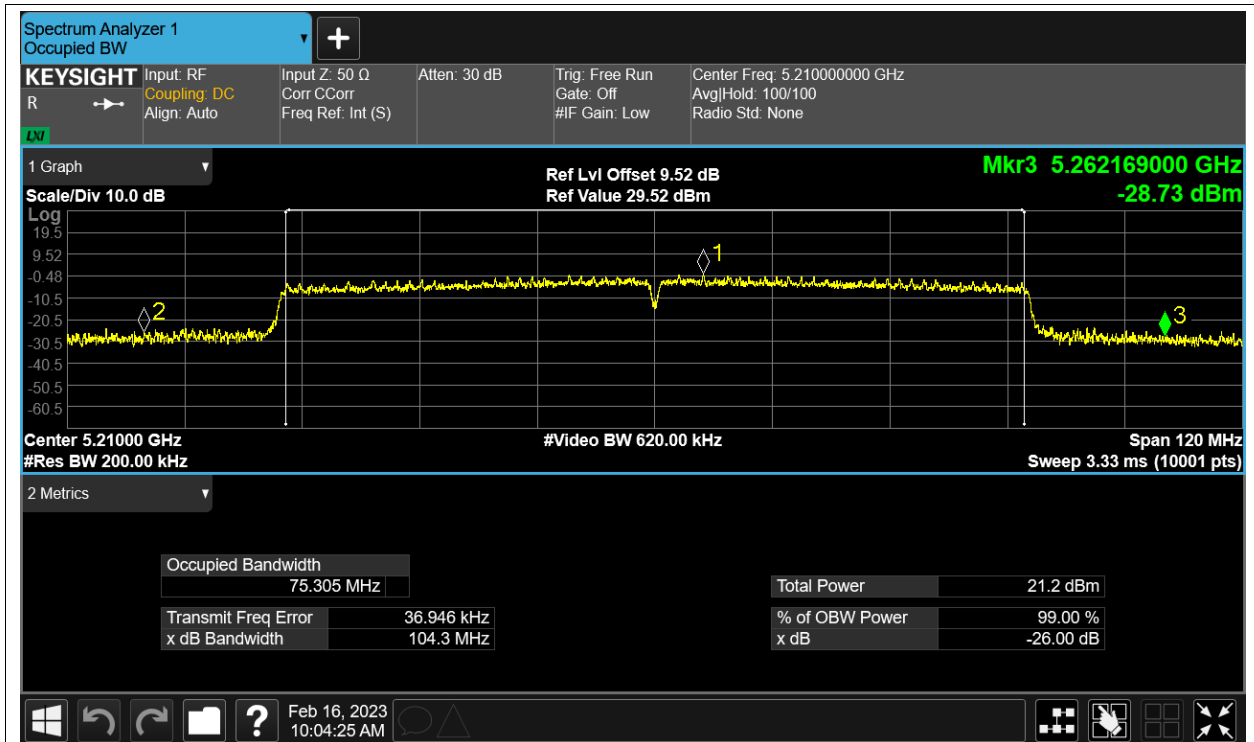
-26dB Bandwidth NVNT ac40 5190MHz Ant2



-26dB Bandwidth NVNT ac40 5230MHz Ant2



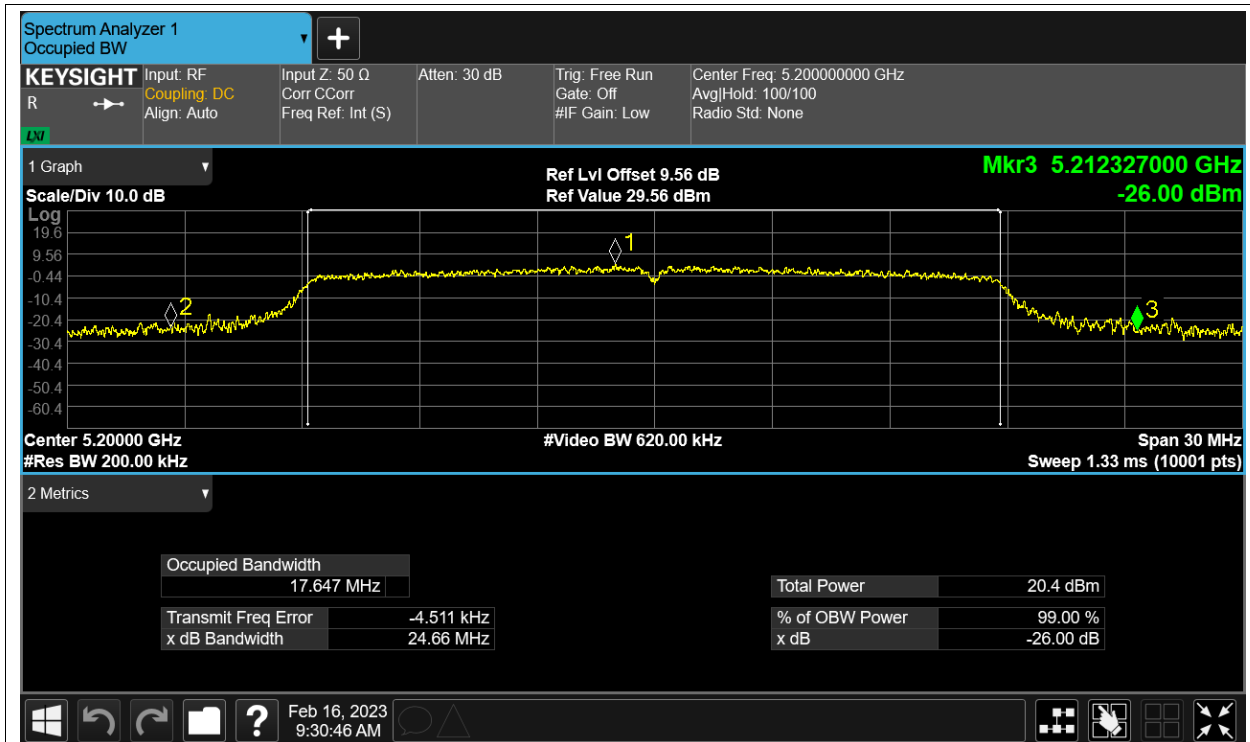
-26dB Bandwidth NVNT ac80 5210MHz Ant2



-26dB Bandwidth NVNT n20 5180MHz Ant2



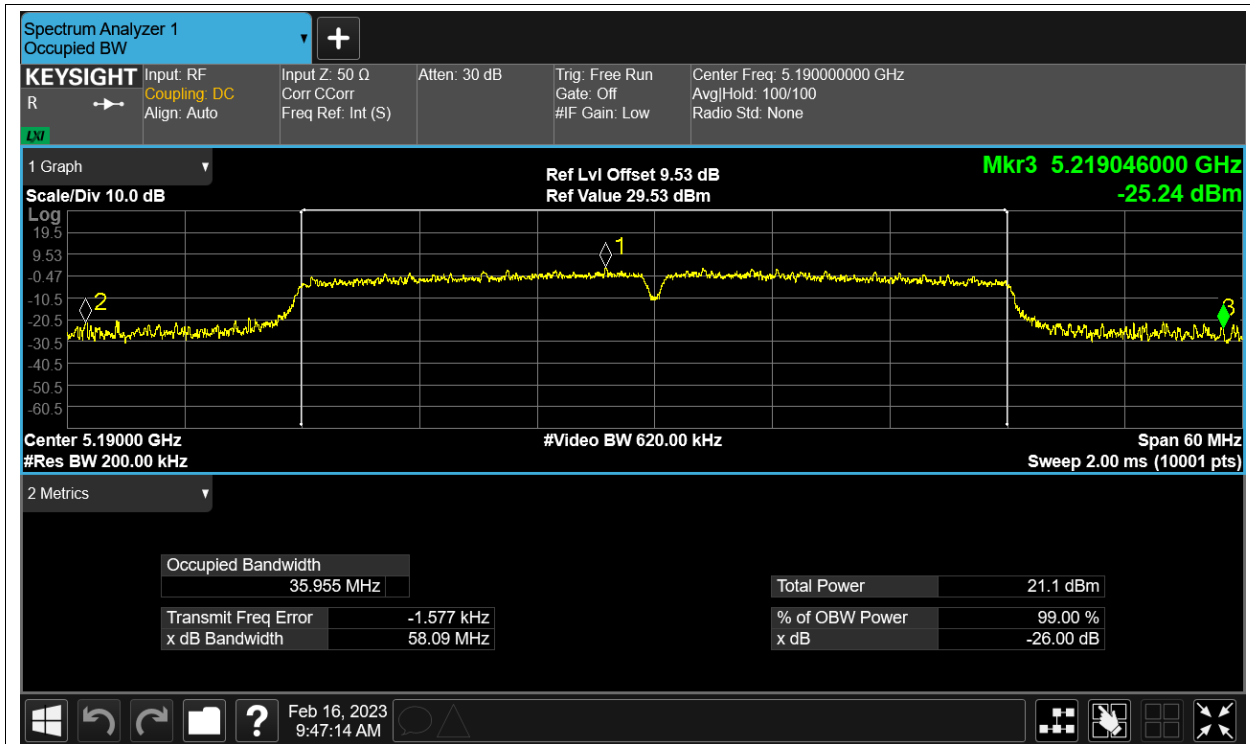
-26dB Bandwidth NVNT n20 5200MHz Ant2



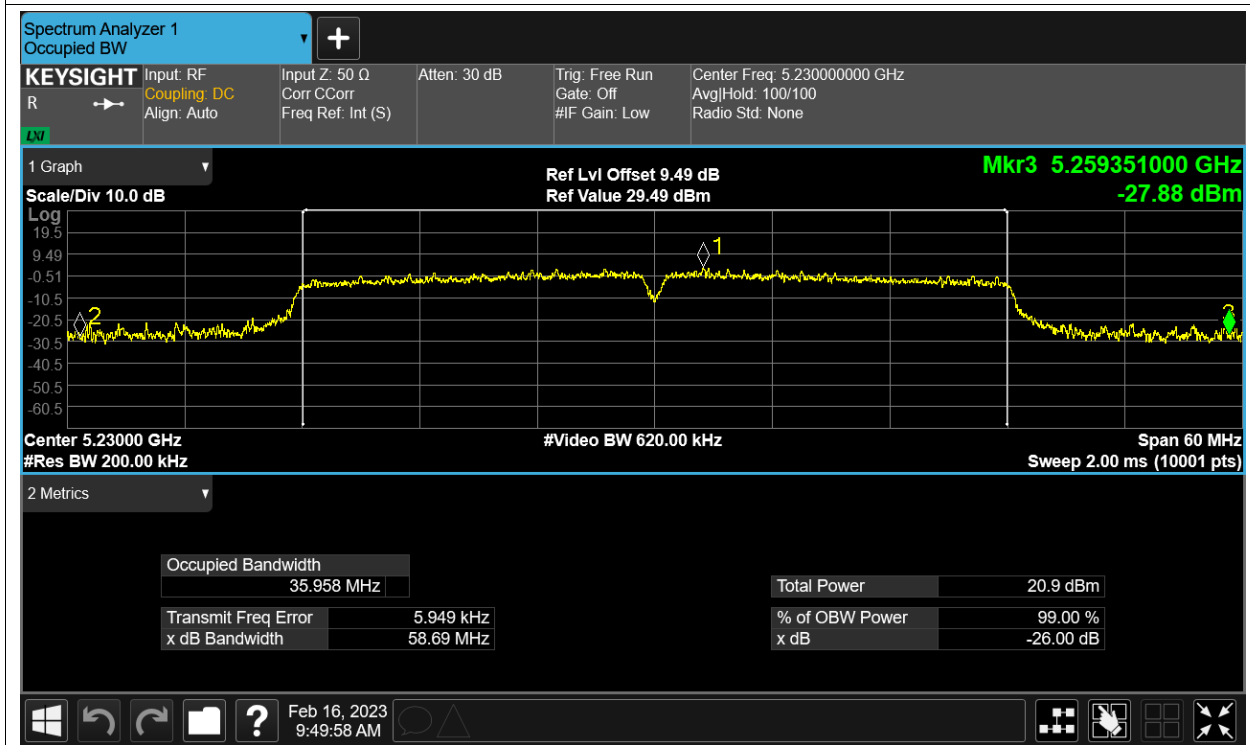
-26dB Bandwidth NVNT n20 5240MHz Ant2



-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant2

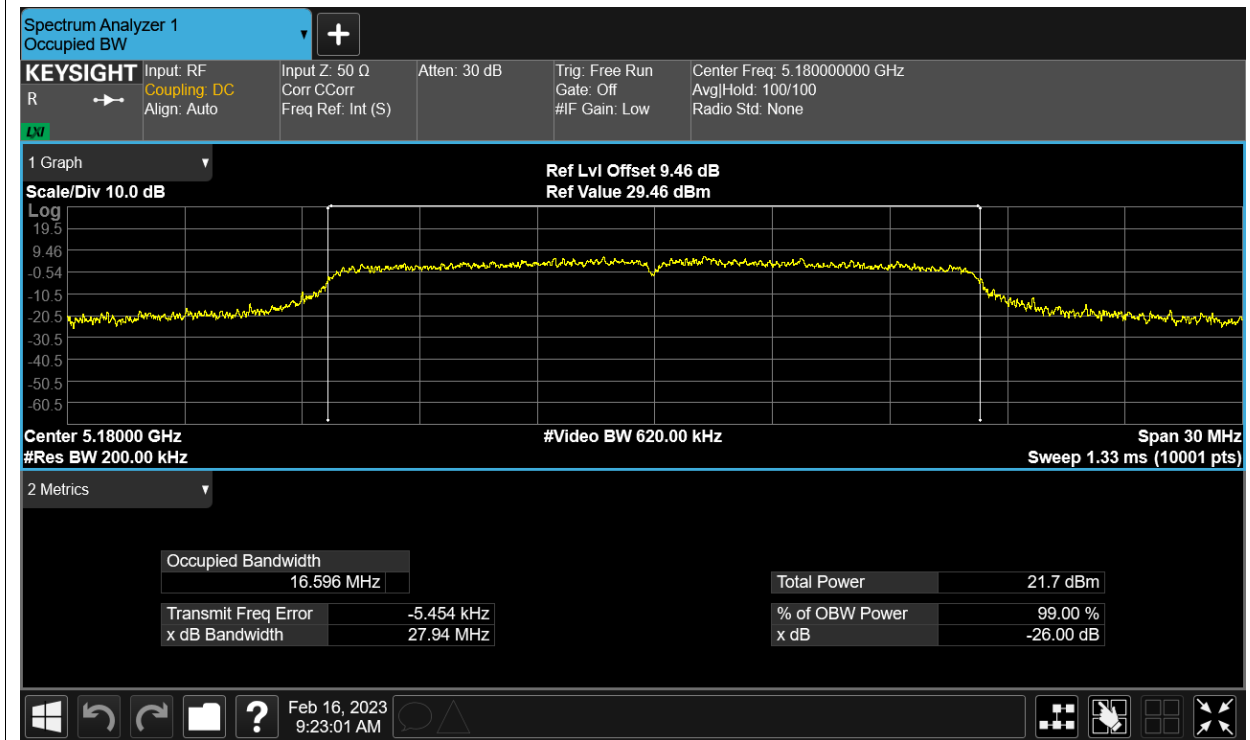


Occupied Channel Bandwidth

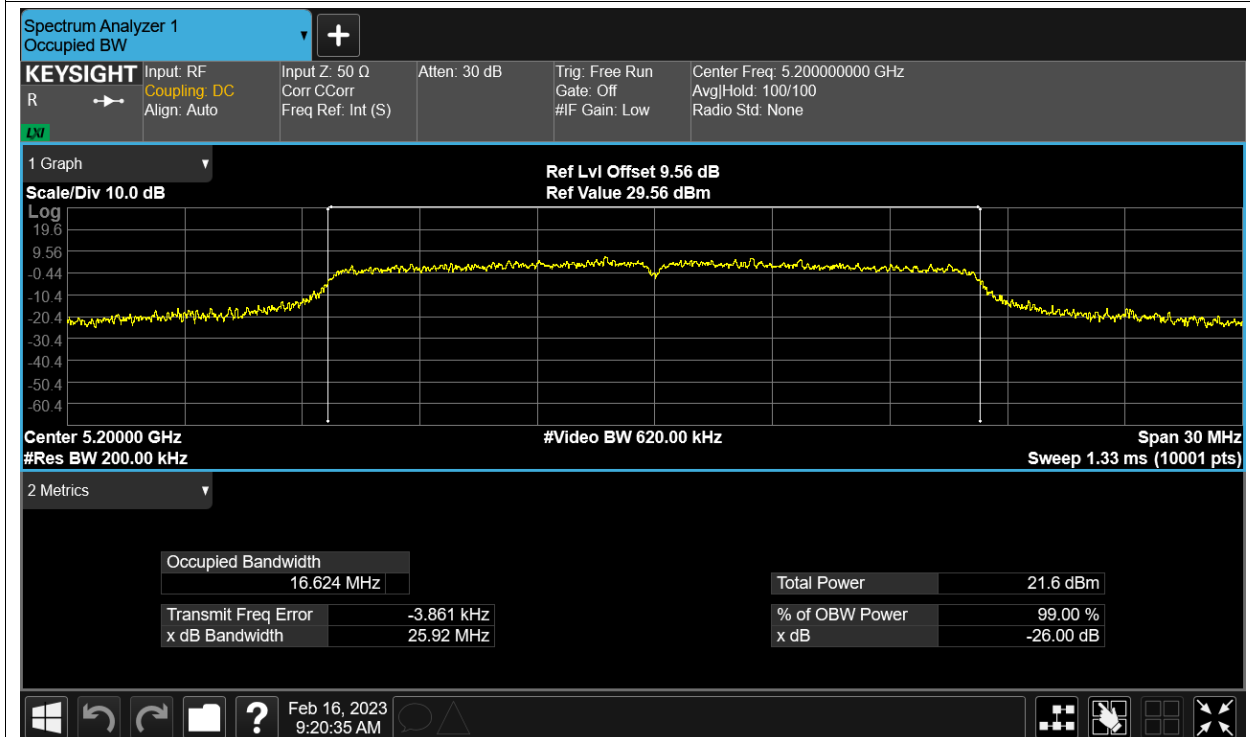
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant2	16.596
NVNT	a	5200	Ant2	16.624
NVNT	a	5240	Ant2	16.654
NVNT	ac20	5180	Ant2	17.618
NVNT	ac20	5200	Ant2	17.613
NVNT	ac20	5240	Ant2	17.612
NVNT	ac40	5190	Ant2	36.131
NVNT	ac40	5230	Ant2	36.047
NVNT	ac80	5210	Ant2	75.467
NVNT	n20	5180	Ant2	17.63
NVNT	n20	5200	Ant2	17.633
NVNT	n20	5240	Ant2	17.673
NVNT	n40	5190	Ant2	36.119
NVNT	n40	5230	Ant2	36.144

Test Graphs

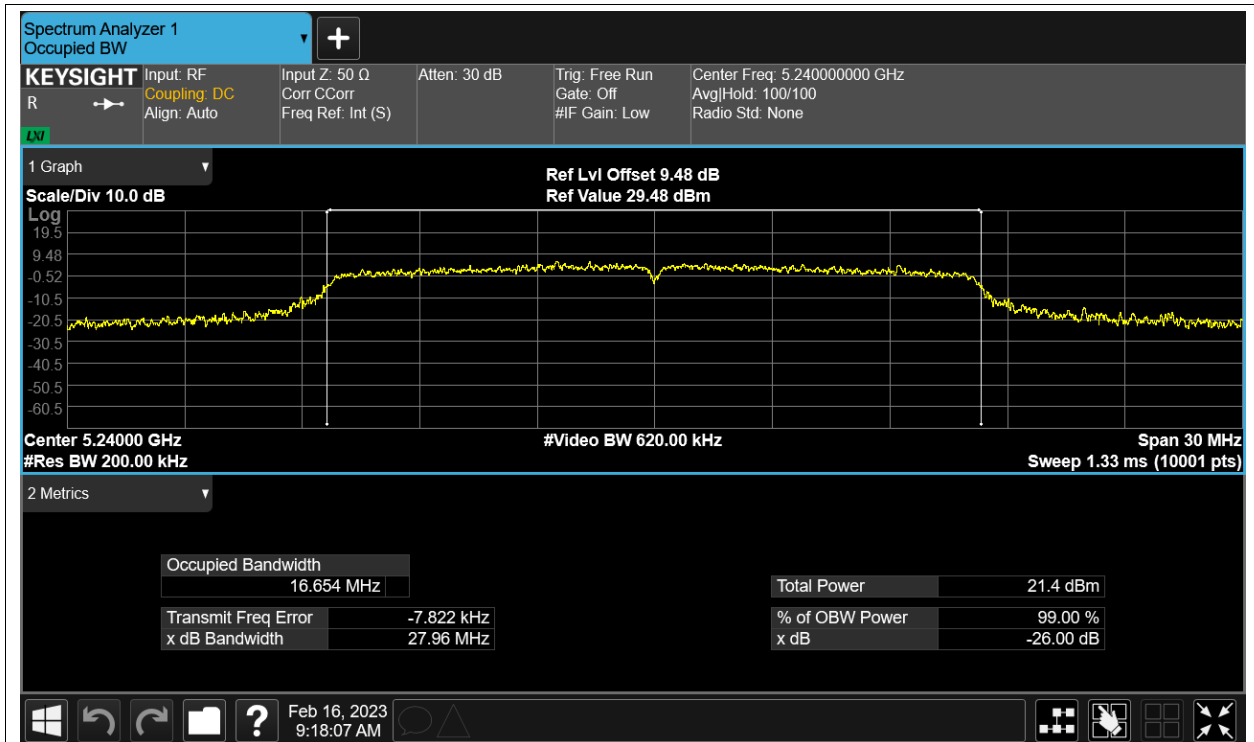
OBW NVNT a 5180MHz Ant2



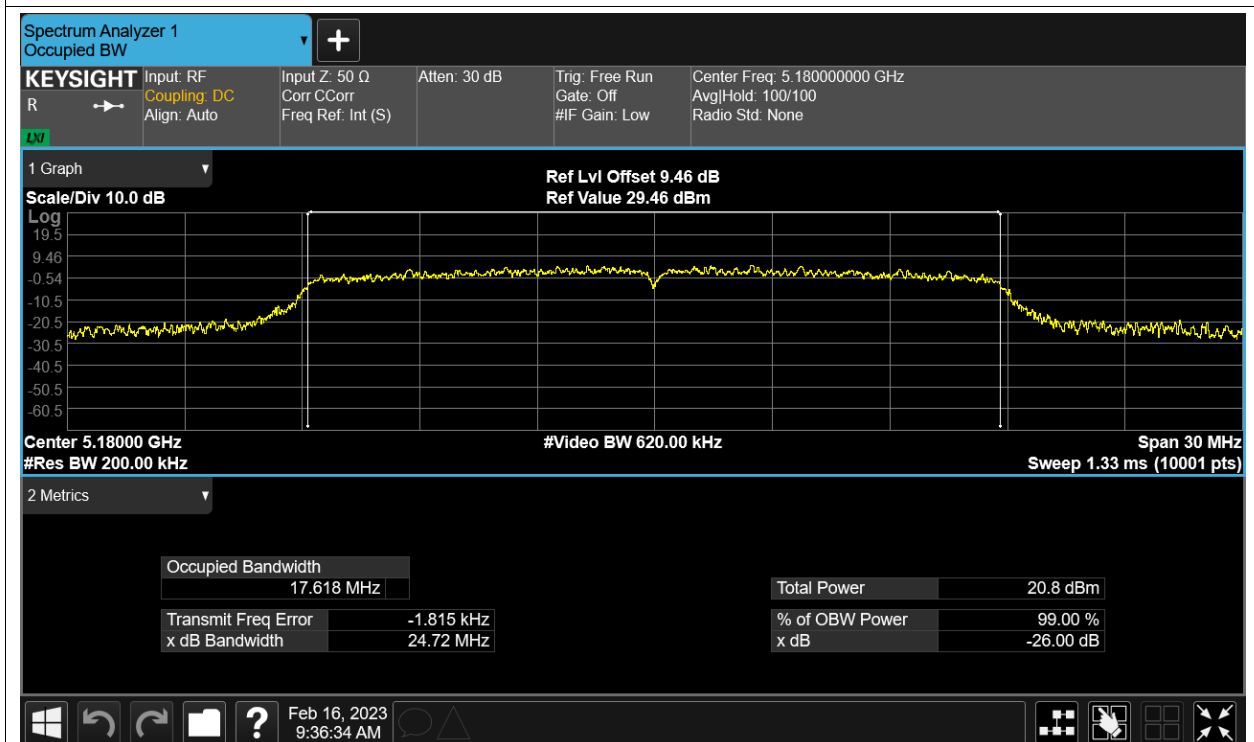
OBW NVNT a 5200MHz Ant2



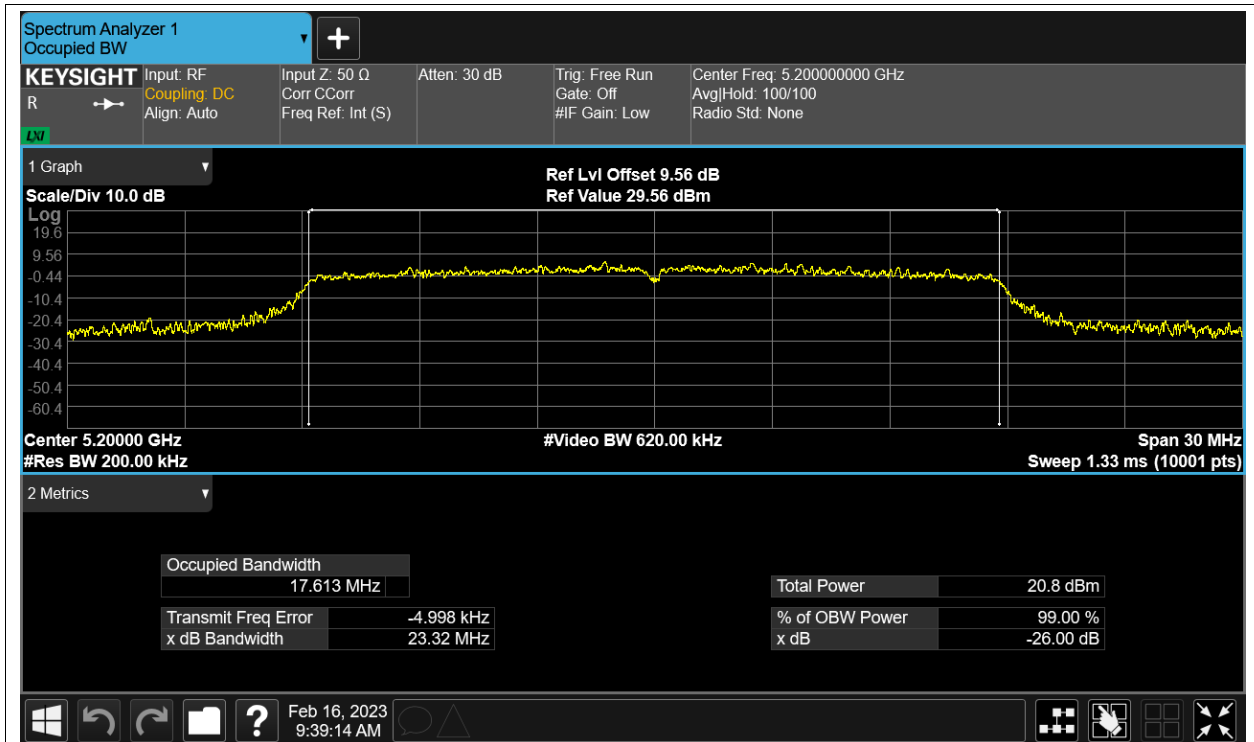
OBW NVNT a 5240MHz Ant2



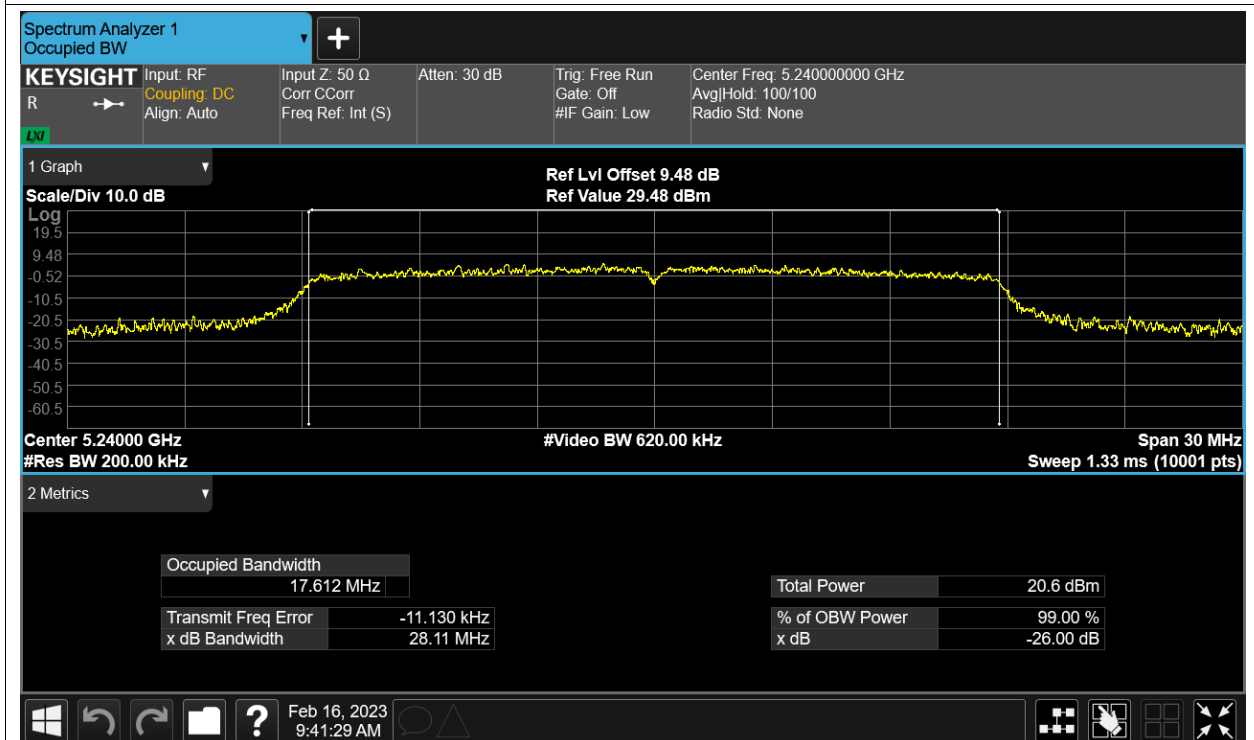
OBW NVNT ac20 5180MHz Ant2



OBW NVNT ac20 5200MHz Ant2



OBW NVNT ac20 5240MHz Ant2



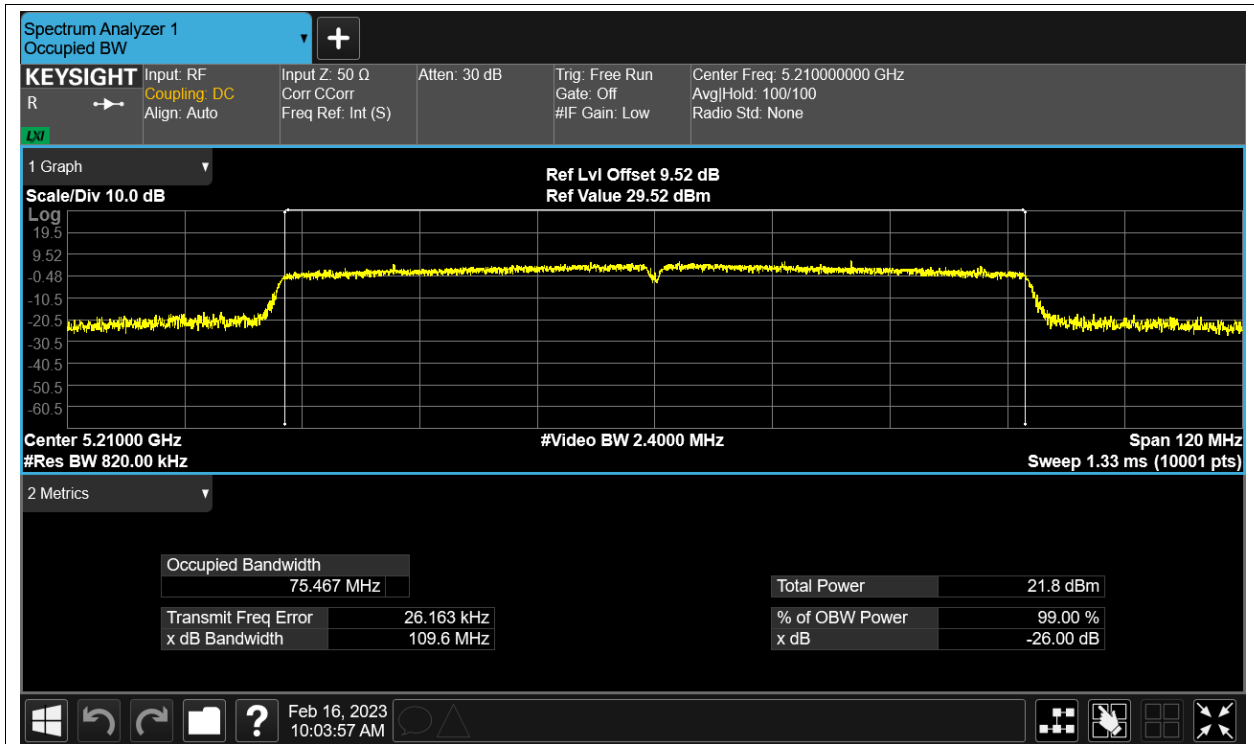
OBW NVNT ac40 5190MHz Ant2



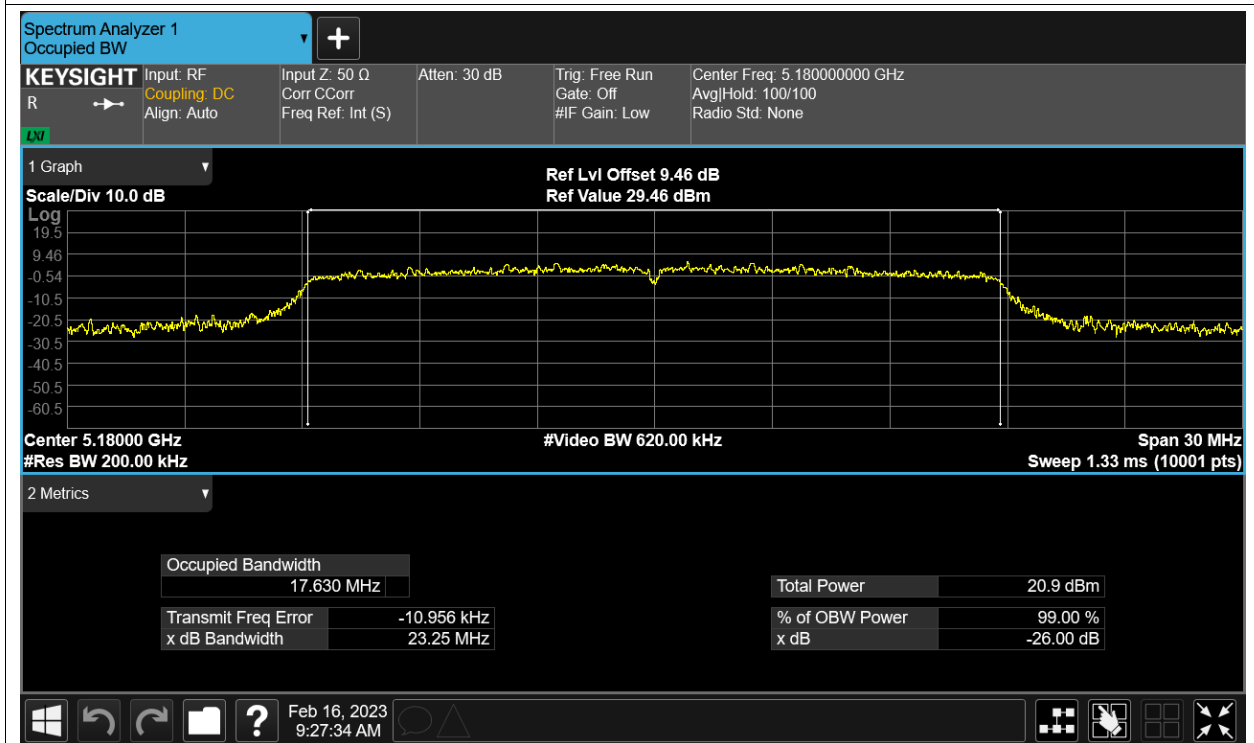
OBW NVNT ac40 5230MHz Ant2



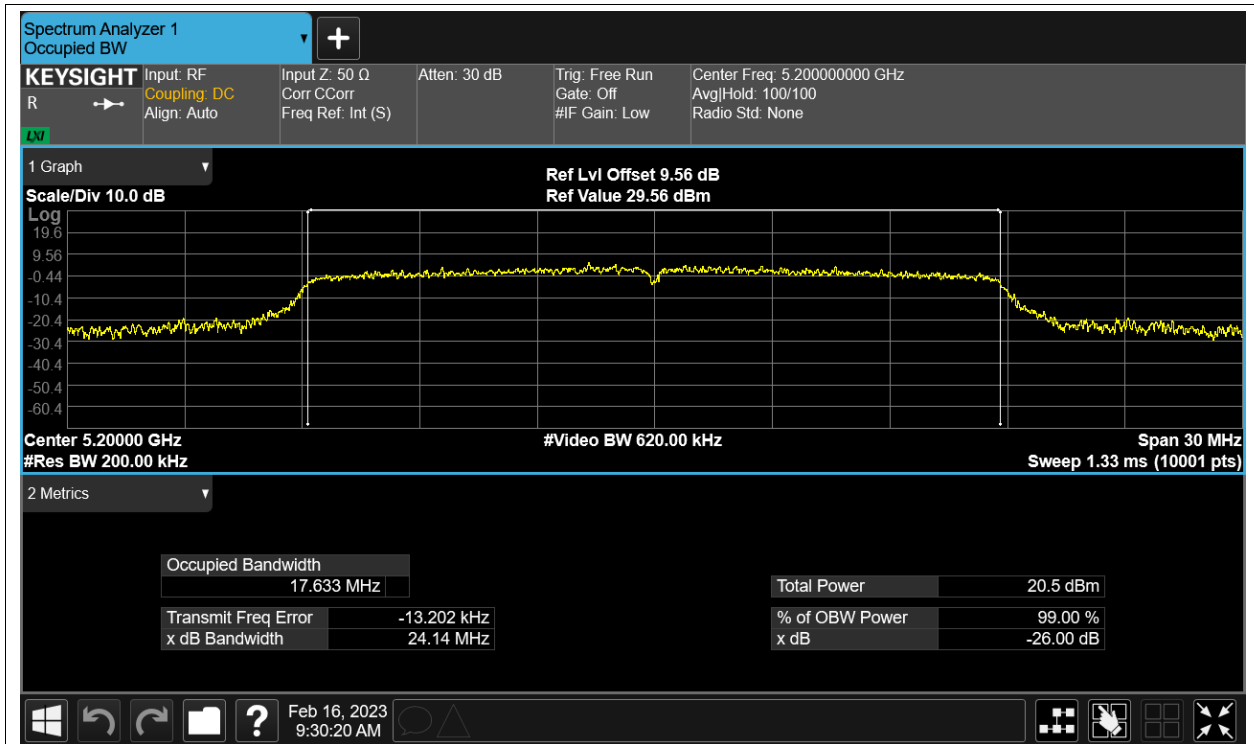
OBW NVNT ac80 5210MHz Ant2



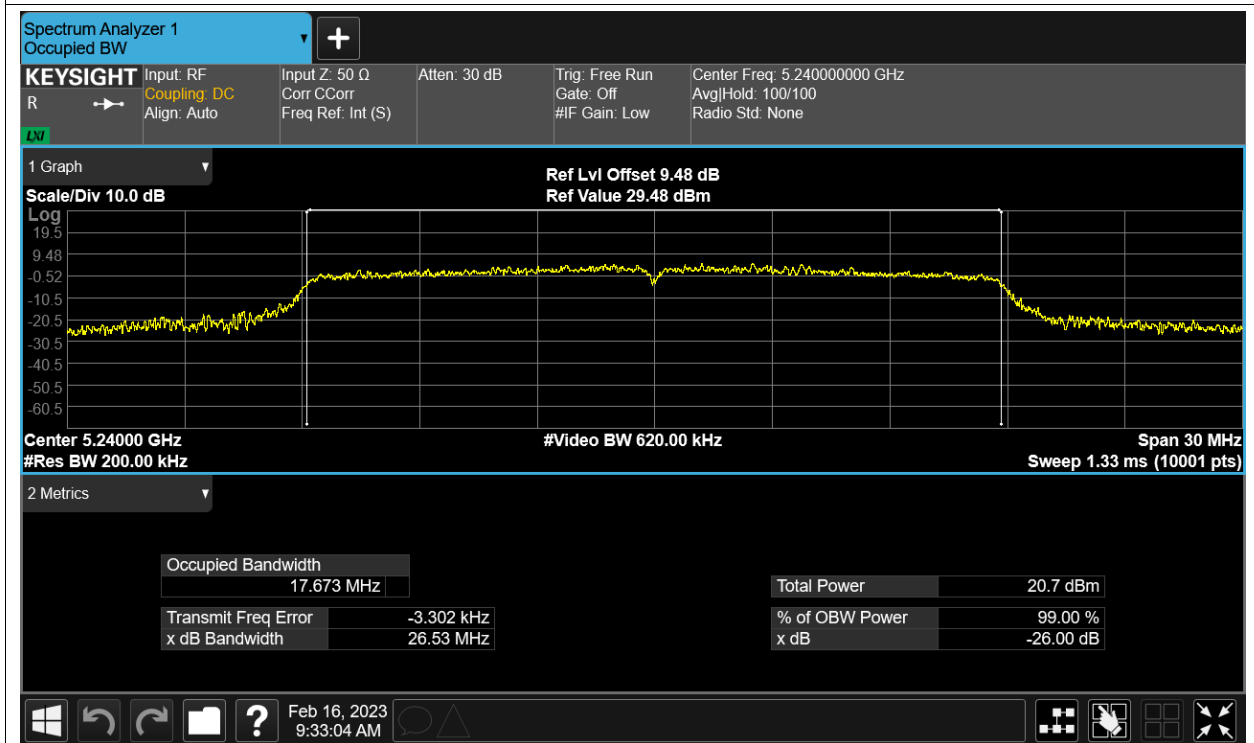
OBW NVNT n20 5180MHz Ant2



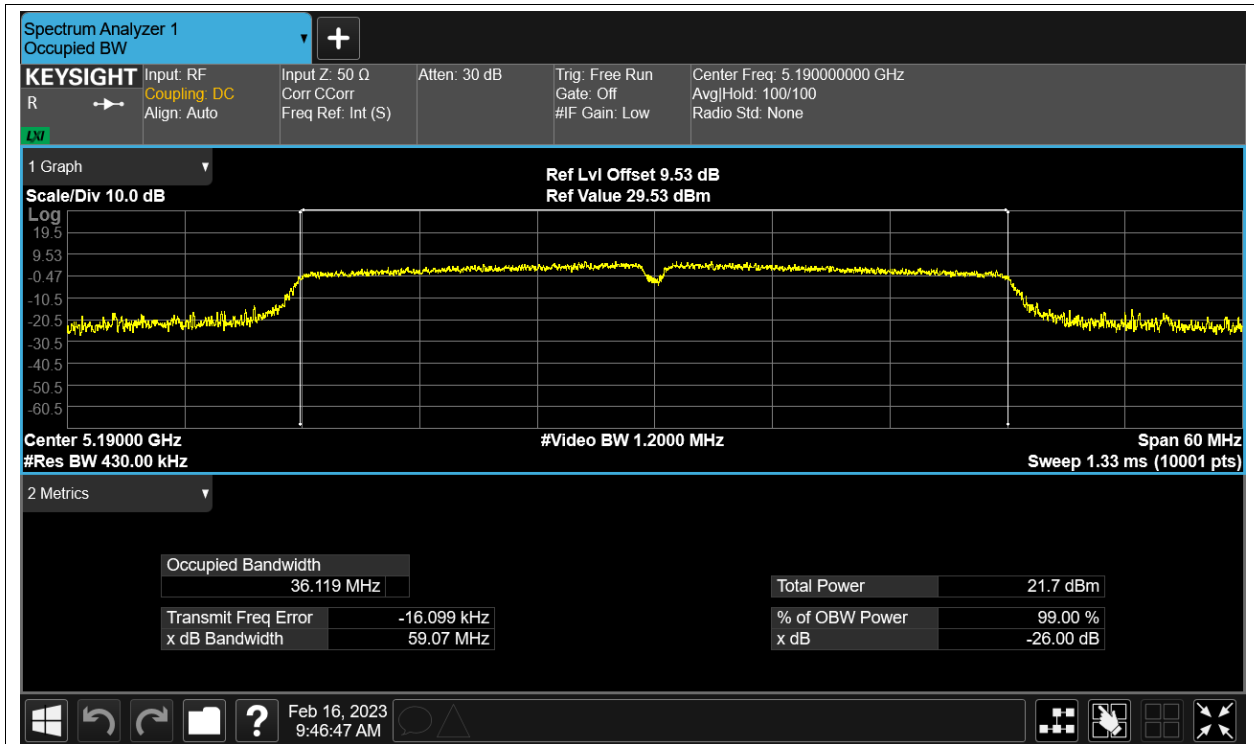
OBW NVNT n20 5200MHz Ant2



OBW NVNT n20 5240MHz Ant2



OBW NVNT n40 5190MHz Ant2



OBW NVNT n40 5230MHz Ant2

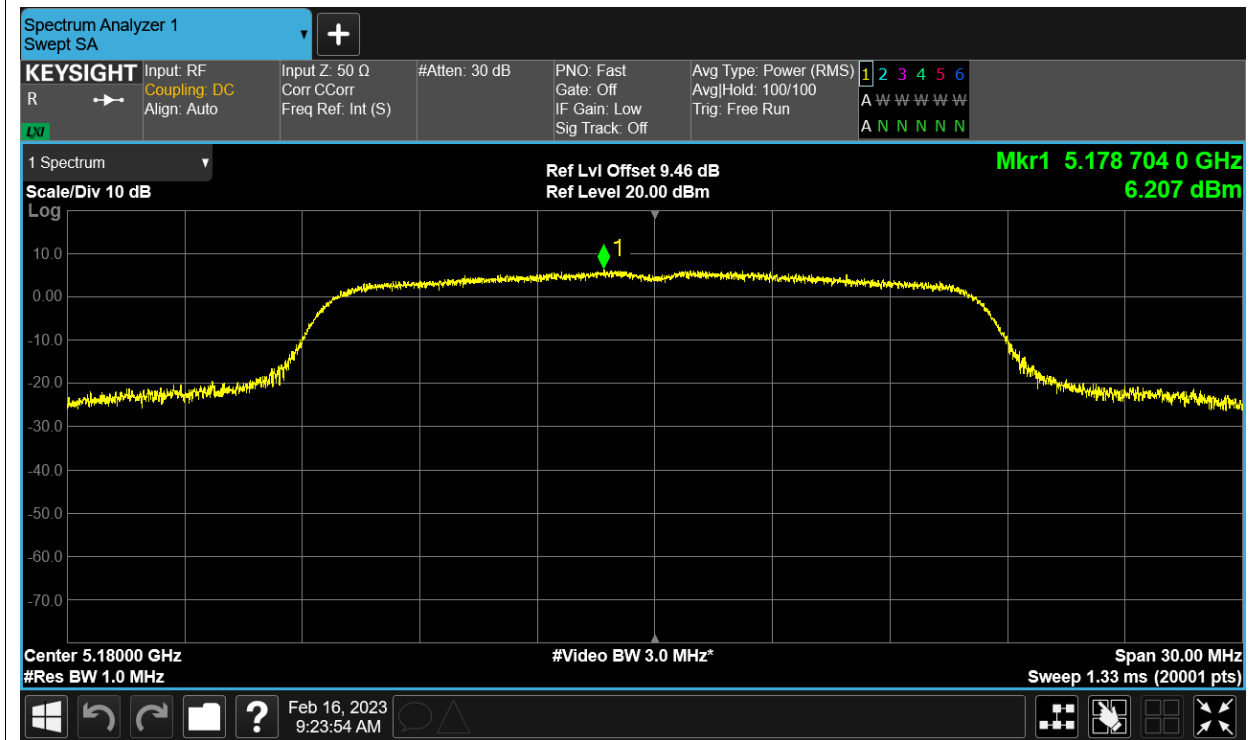


Maximum Power Spectral Density Level

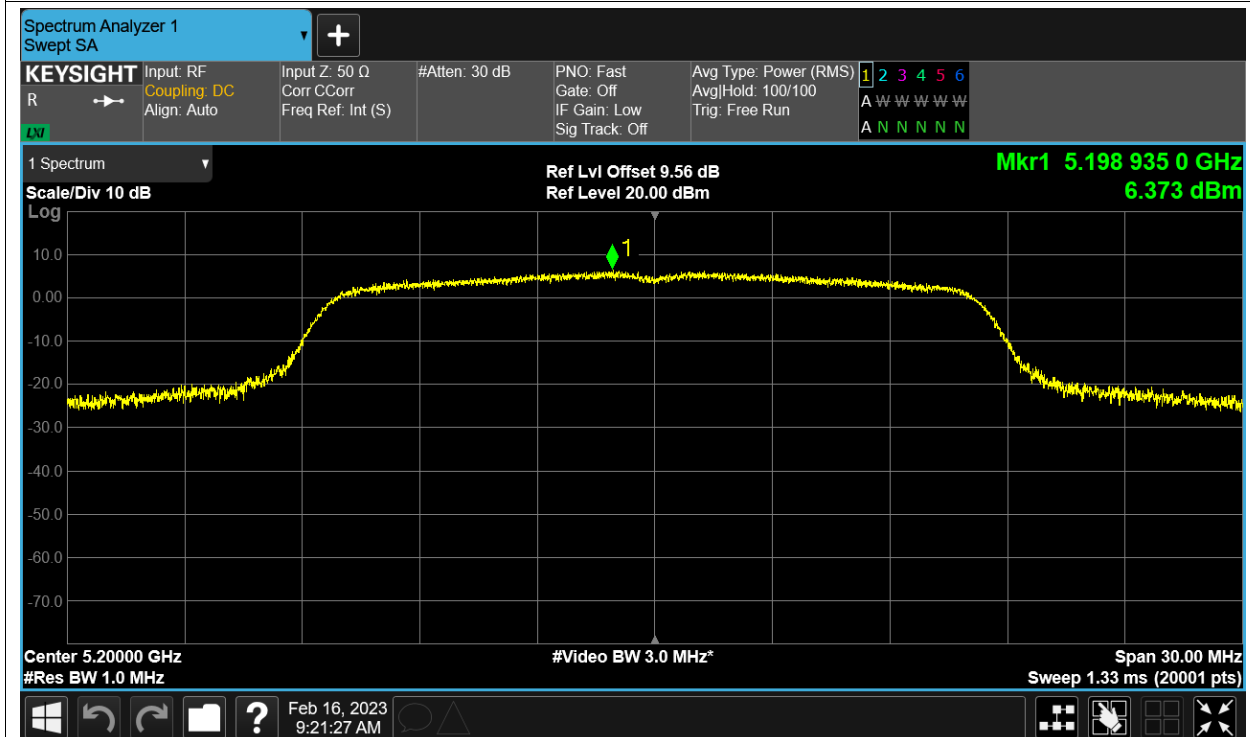
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	6.207	11	Pass
NVNT	a	5200	Ant2	6.373	11	Pass
NVNT	a	5240	Ant2	6.189	11	Pass
NVNT	ac20	5180	Ant2	5.084	11	Pass
NVNT	ac20	5200	Ant2	5.119	11	Pass
NVNT	ac20	5240	Ant2	5.135	11	Pass
NVNT	ac40	5190	Ant2	3.073	11	Pass
NVNT	ac40	5230	Ant2	2.684	11	Pass
NVNT	ac80	5210	Ant2	-0.595	11	Pass
NVNT	n20	5180	Ant2	5.238	11	Pass
NVNT	n20	5200	Ant2	5.387	11	Pass
NVNT	n20	5240	Ant2	5.035	11	Pass
NVNT	n40	5190	Ant2	3.008	11	Pass
NVNT	n40	5230	Ant2	2.697	11	Pass

Test Graphs

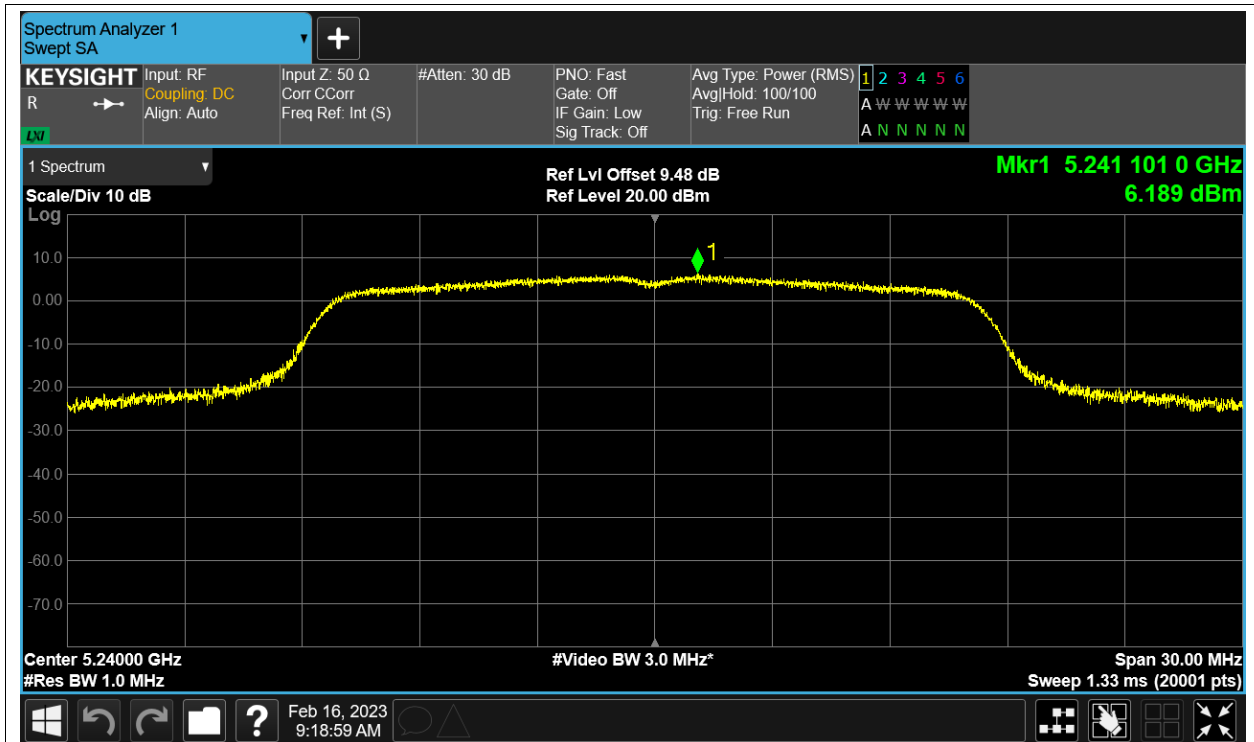
PSD NVNT a 5180MHz Ant2



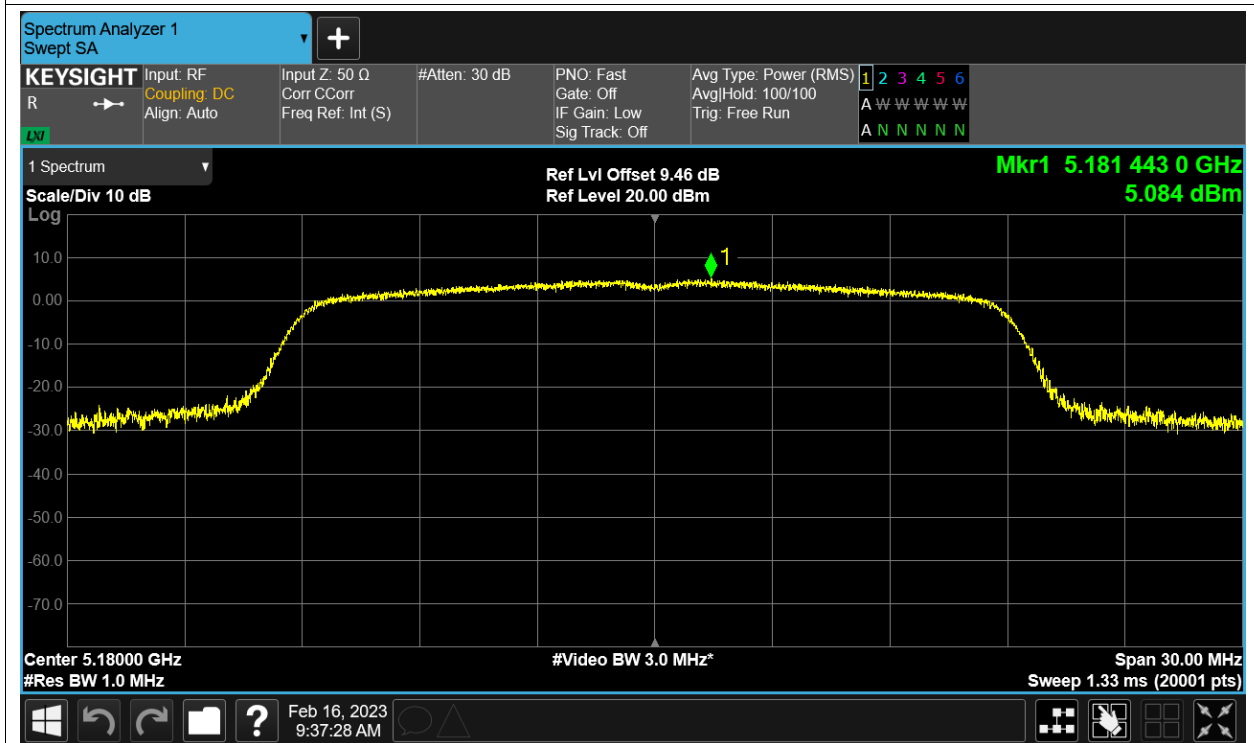
PSD NVNT a 5200MHz Ant2



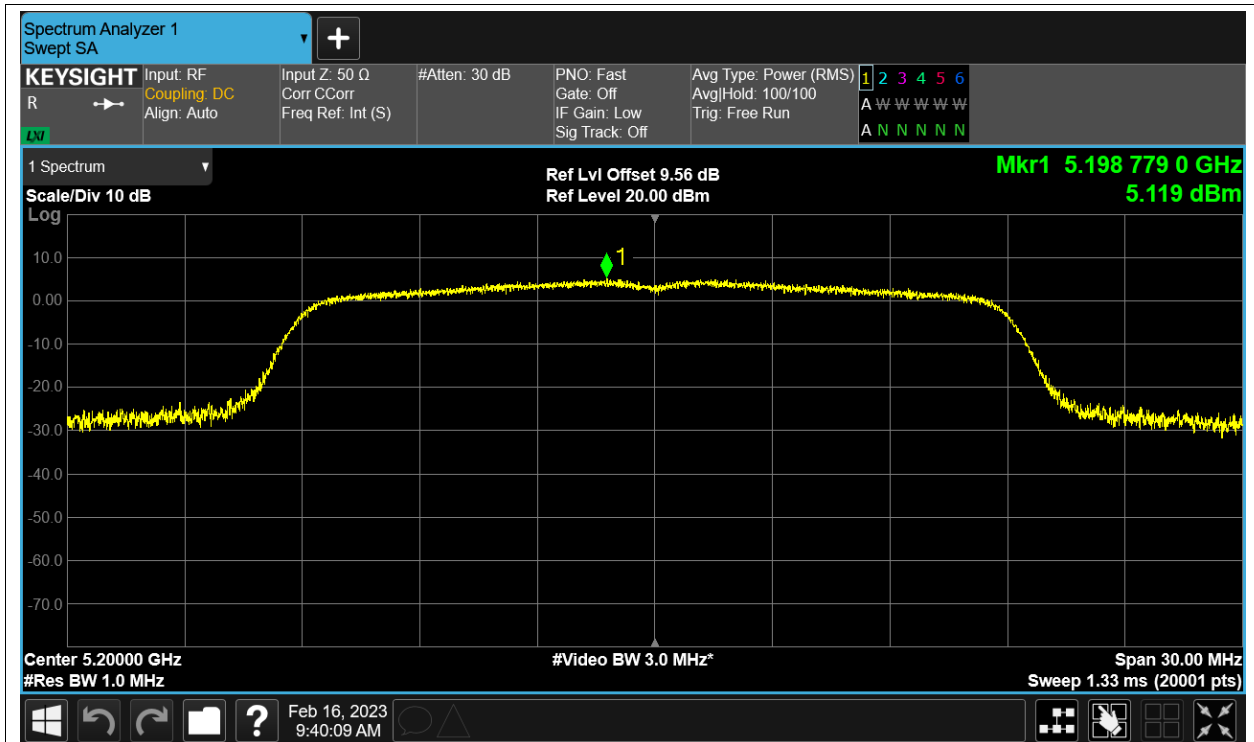
PSD NVNT a 5240MHz Ant2



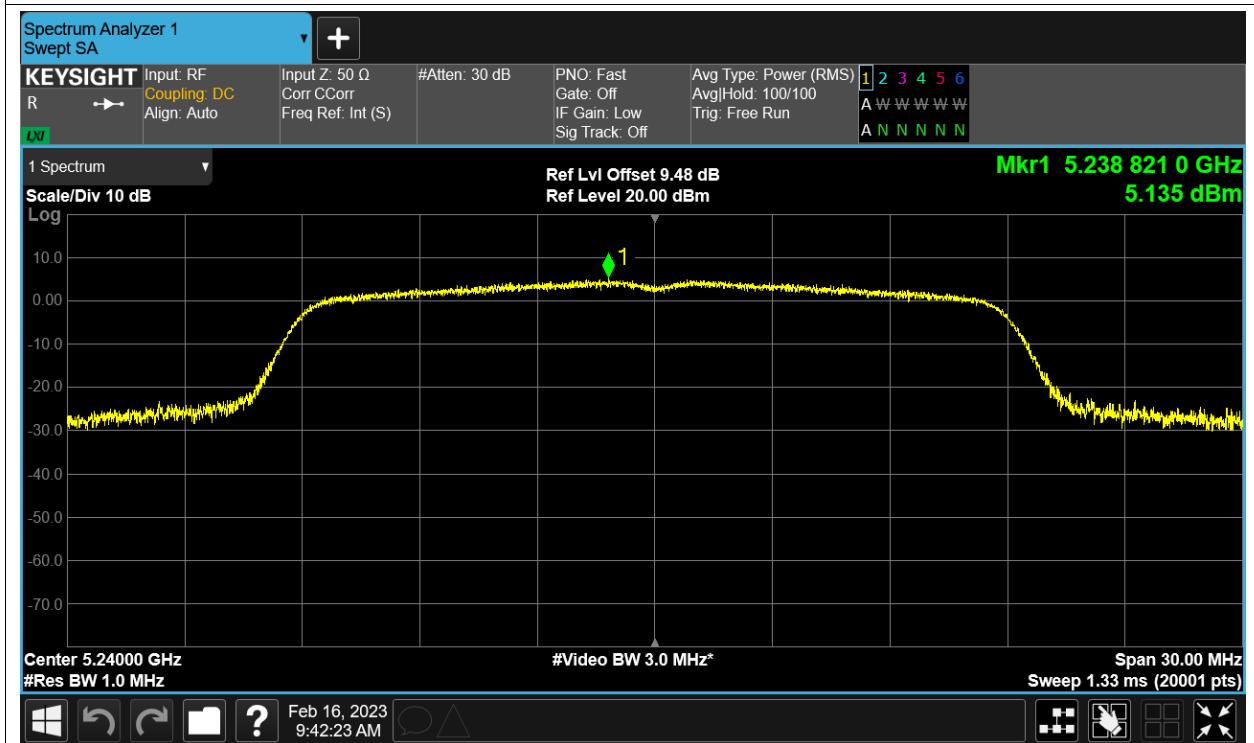
PSD NVNT ac20 5180MHz Ant2



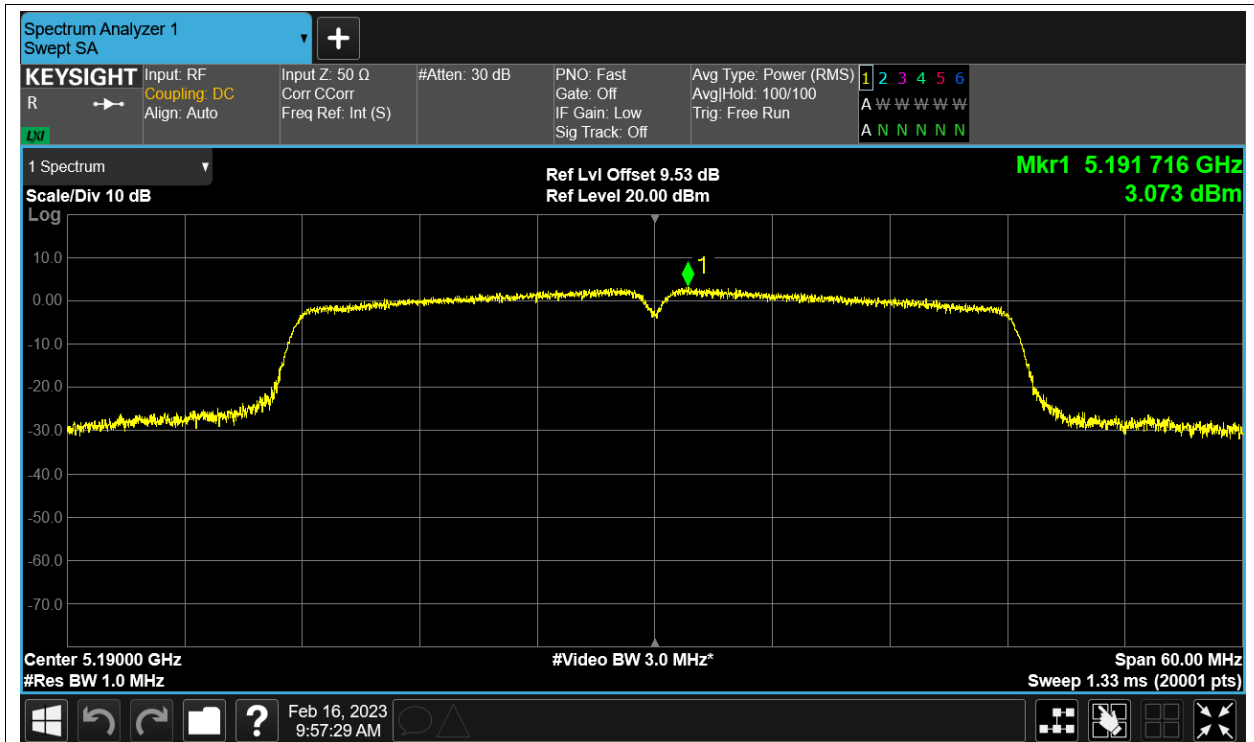
PSD NVNT ac20 5200MHz Ant2



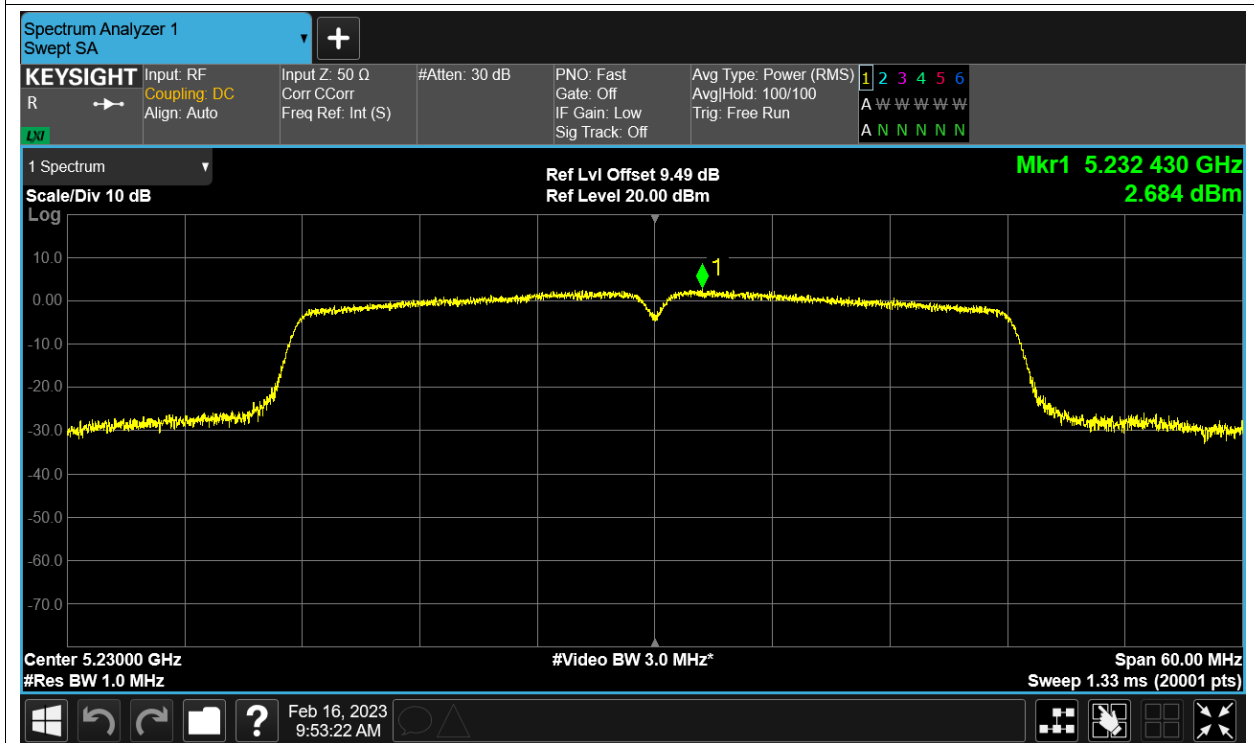
PSD NVNT ac20 5240MHz Ant2



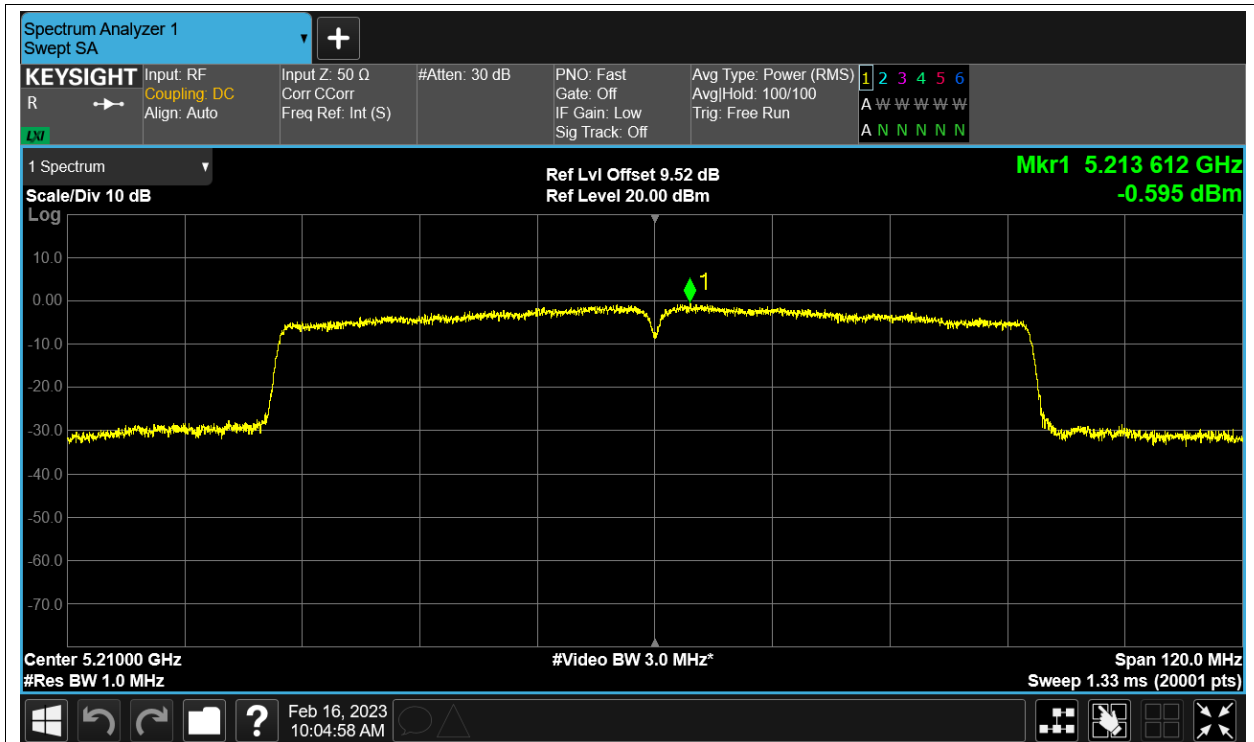
PSD NVNT ac40 5190MHz Ant2



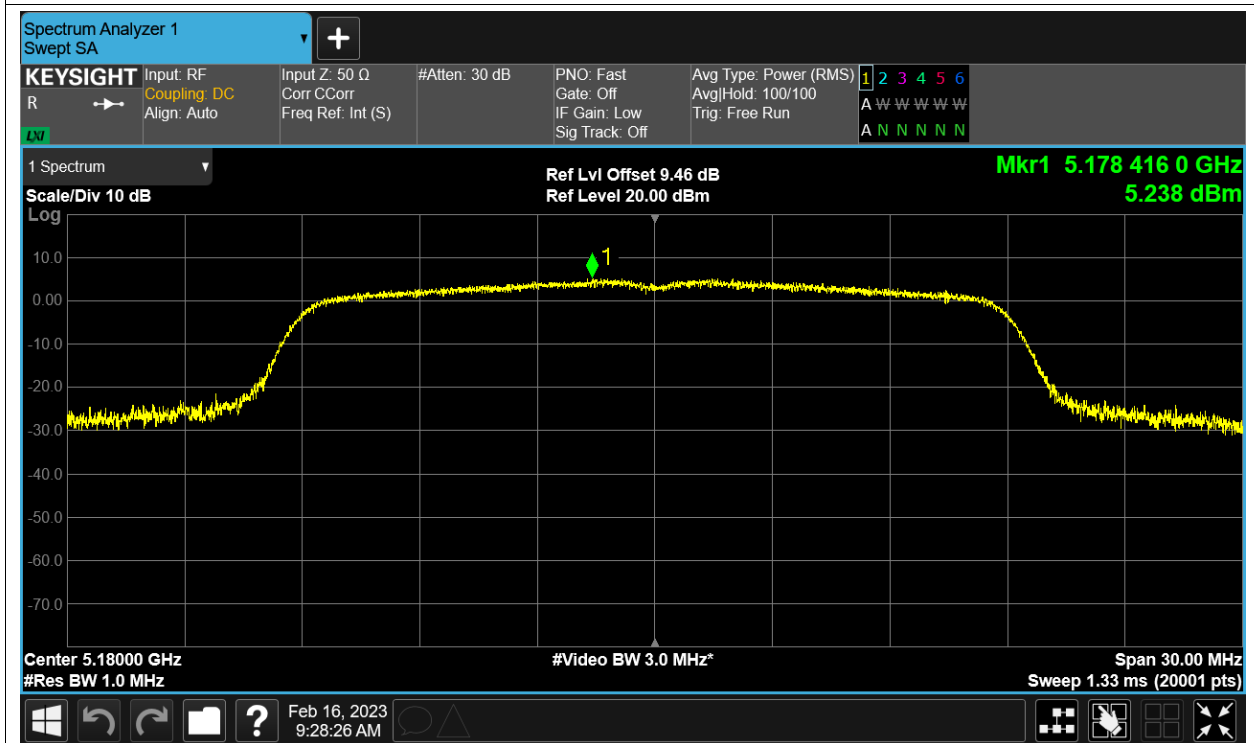
PSD NVNT ac40 5230MHz Ant2



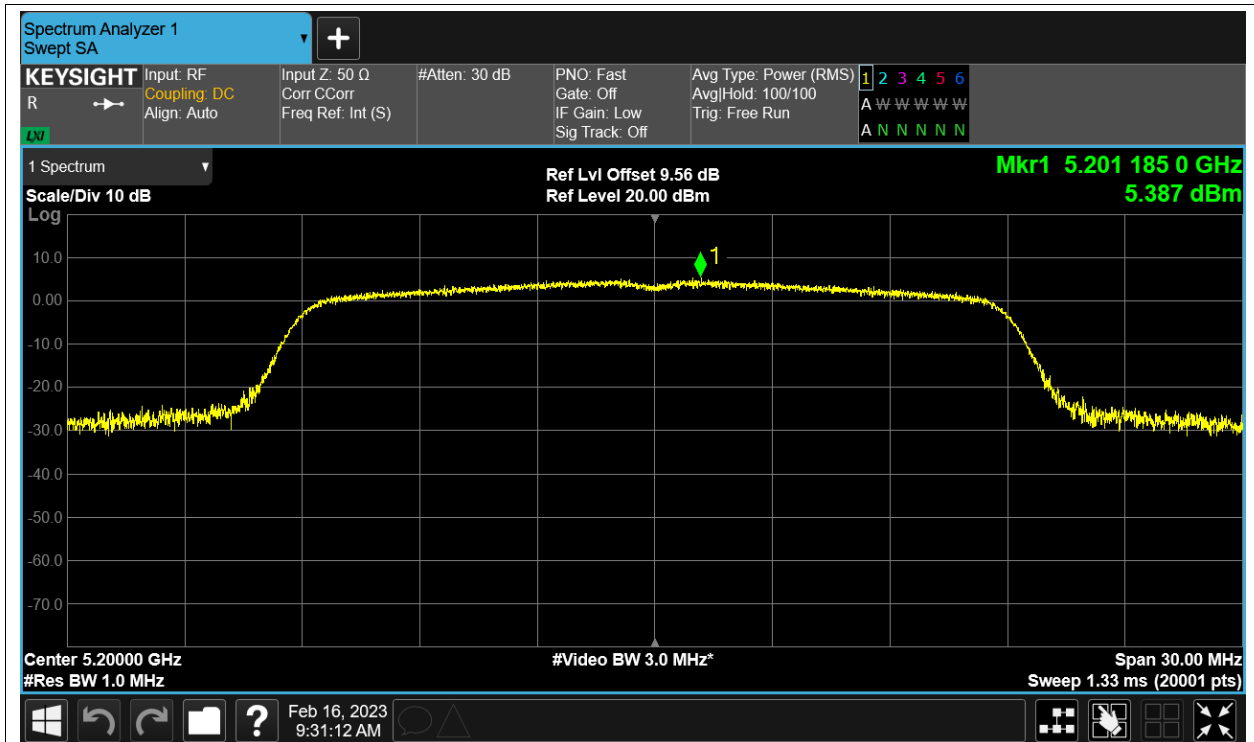
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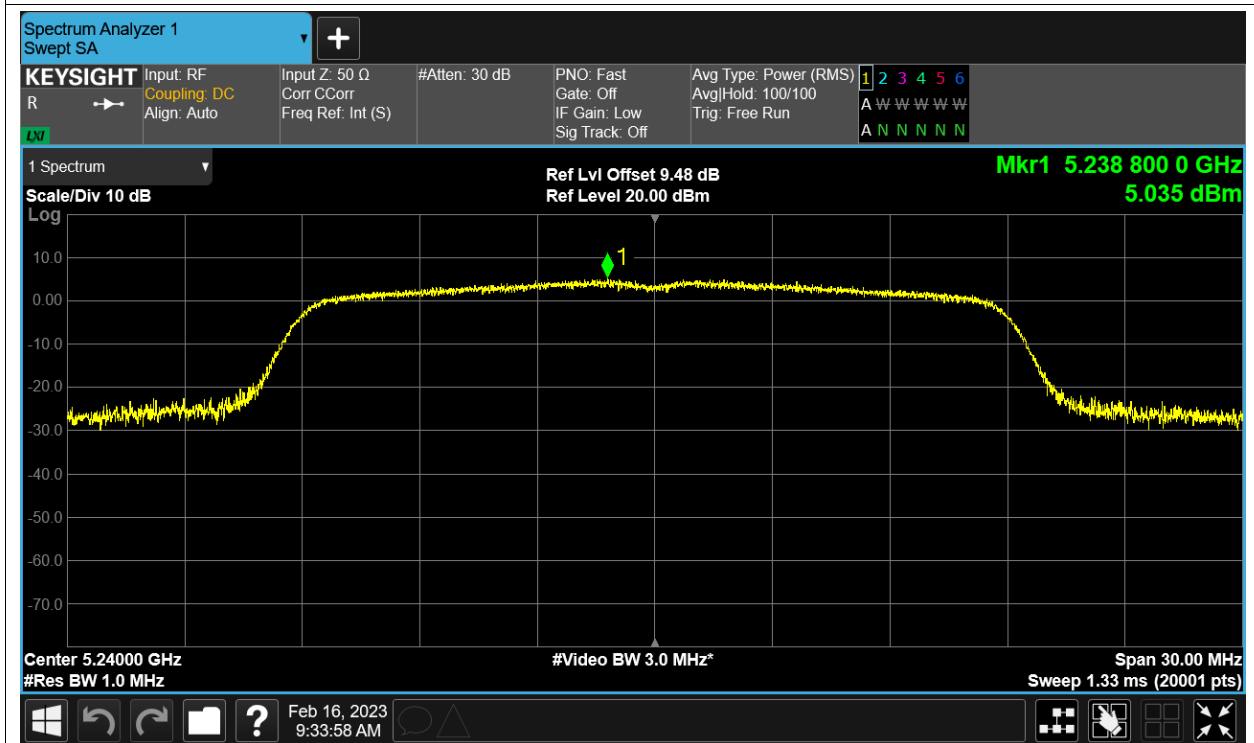
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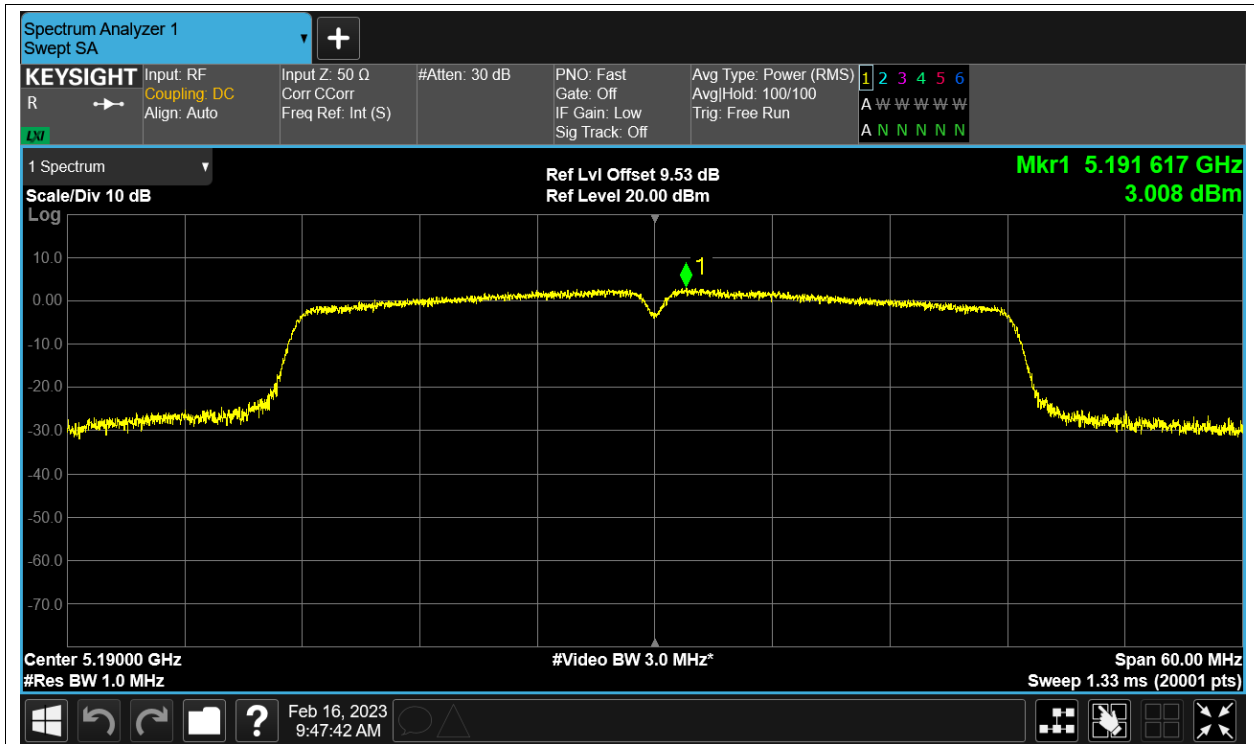
PSD NVNT n20 5200MHz Ant2



PSD NVNT n20 5240MHz Ant2



PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant2

