

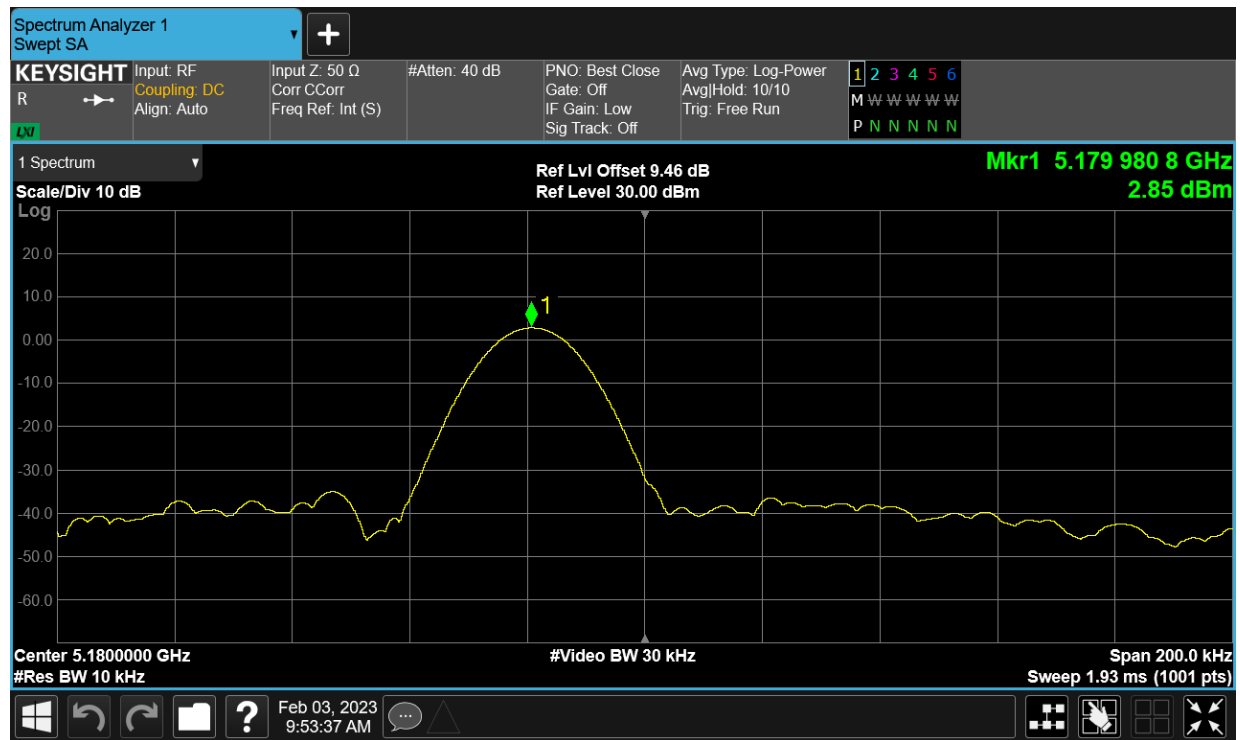
Test Data

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9808	-3.71	25	Pass
LVNT	a	5180	Ant1	5179.9808	-3.71	25	Pass
NVHT	a	5180	Ant1	5179.9808	-3.71	25	Pass
NVLT	a	5180	Ant1	5179.9806	-3.75	25	Pass
NVNT	a	5180	Ant1	5179.9806	-3.75	25	Pass
HVNT	n40	5190	Ant1	5189.9804	-3.78	25	Pass
LVNT	n40	5190	Ant1	5189.9804	-3.78	25	Pass
NVHT	n40	5190	Ant1	5189.9802	-3.82	25	Pass
NVLT	n40	5190	Ant1	5189.9802	-3.82	25	Pass
NVNT	n40	5190	Ant1	5189.9802	-3.82	25	Pass

Test Graphs

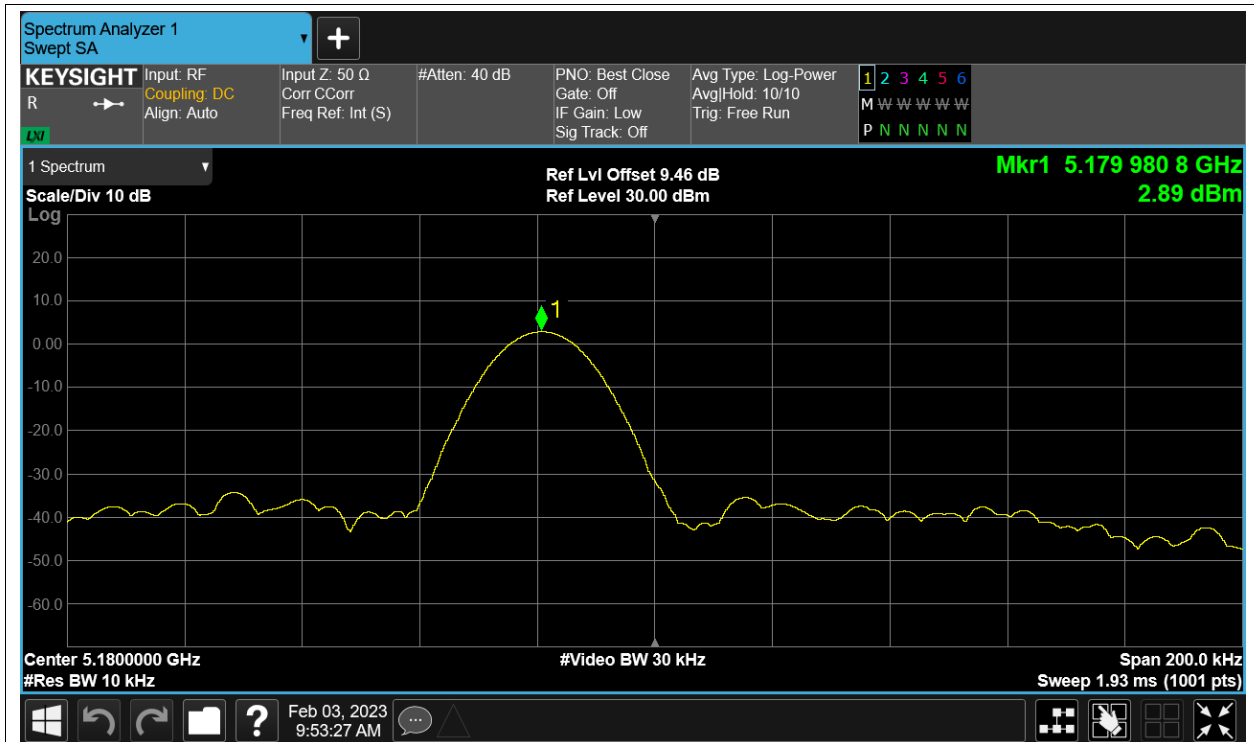
Freq. Stability HVNT a 5180MHz Ant1



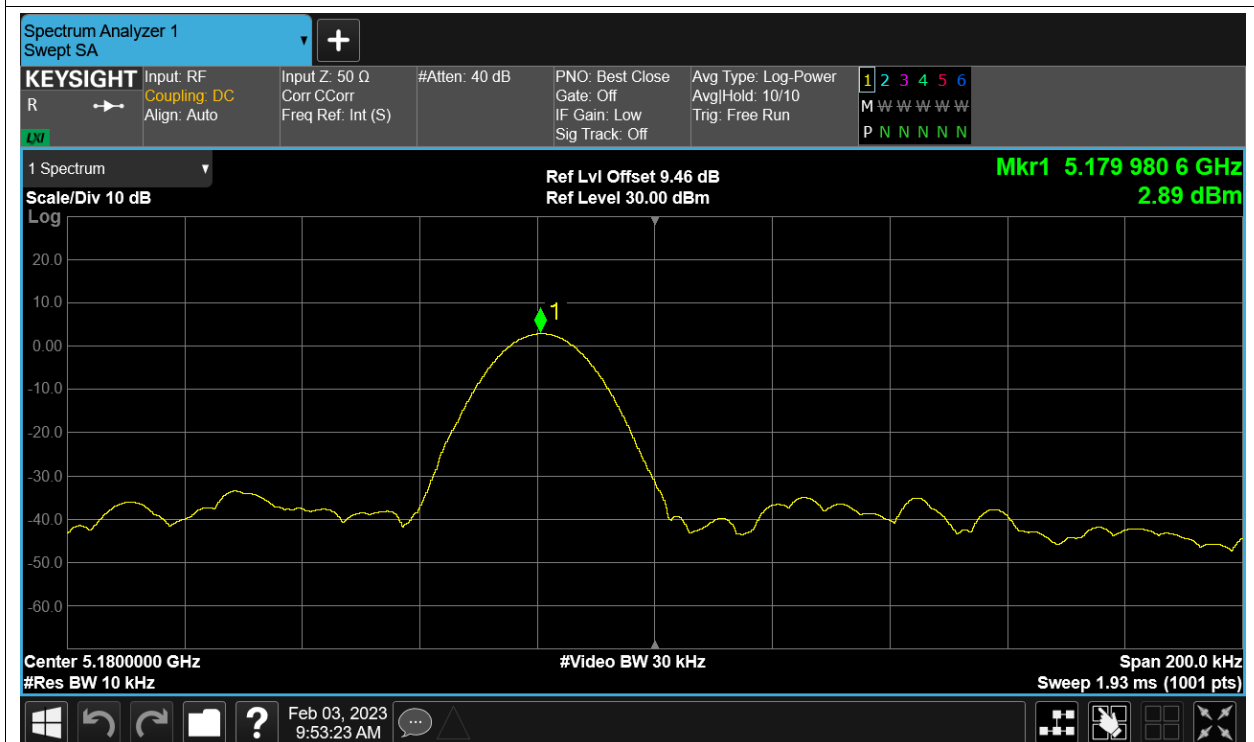
Freq. Stability LVNT a 5180MHz Ant1



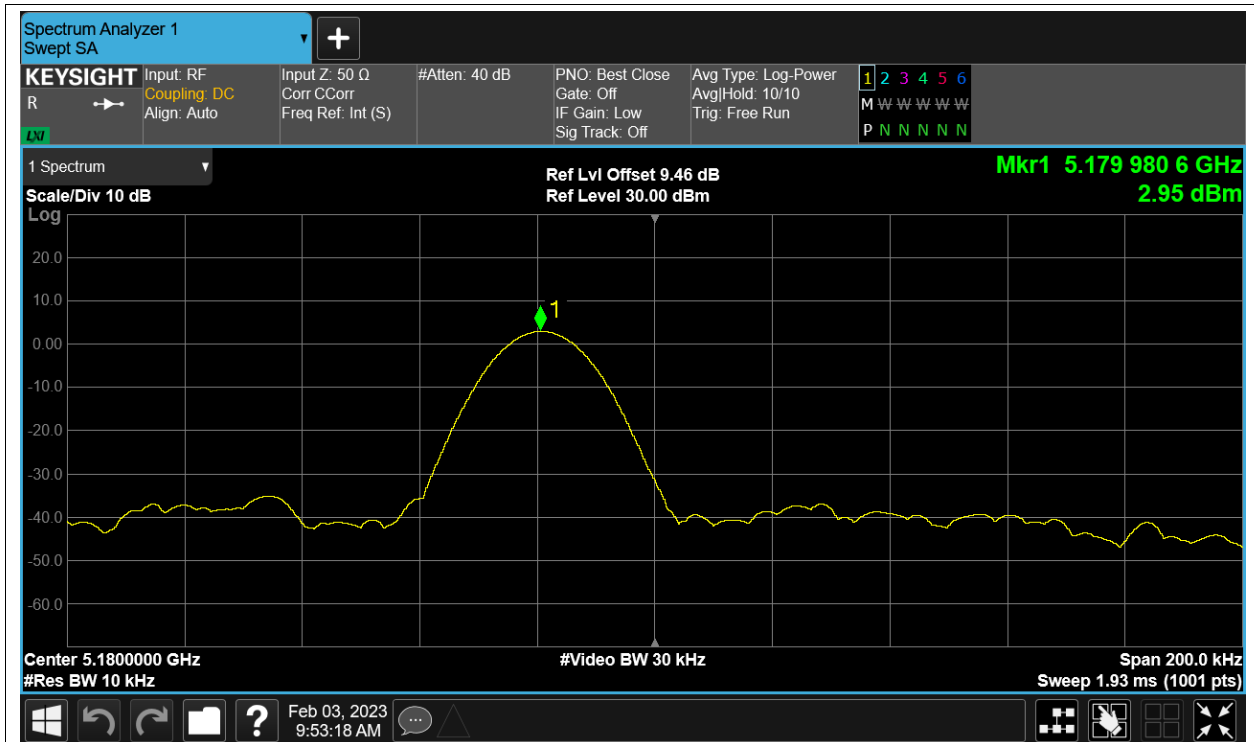
Freq. Stability NVHT a 5180MHz Ant1



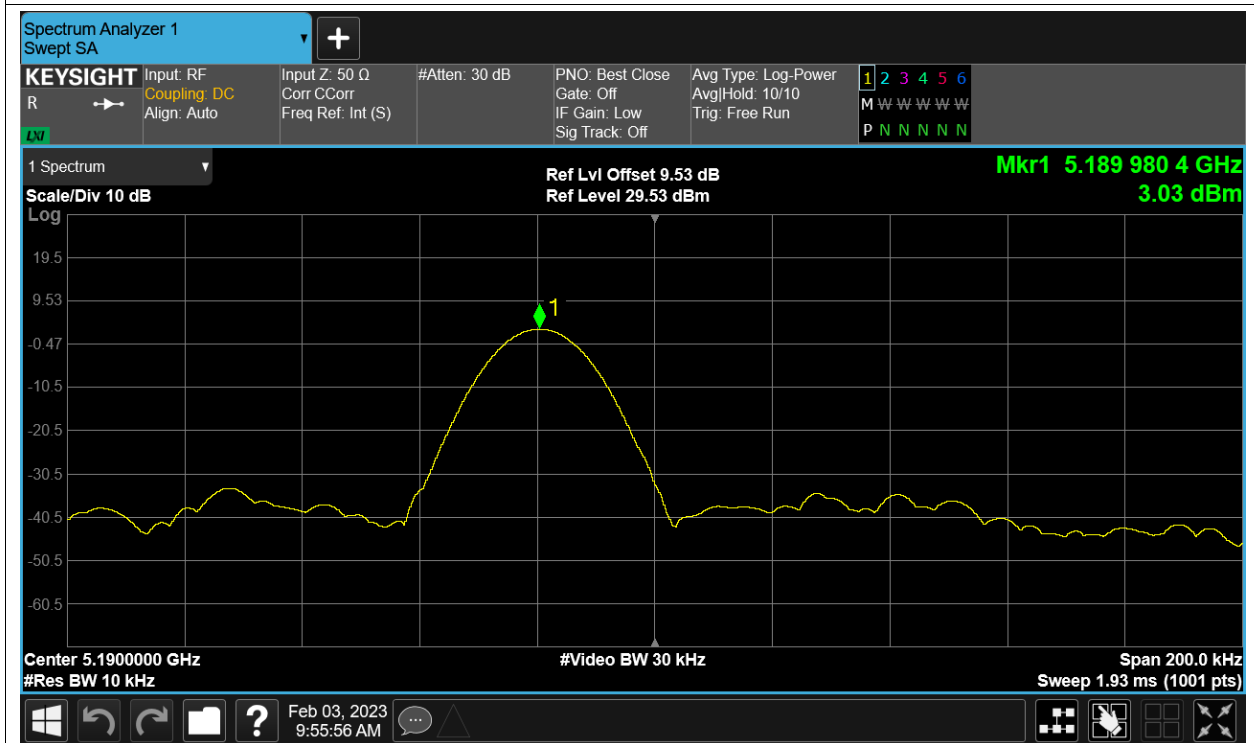
Freq. Stability NVLT a 5180MHz Ant1



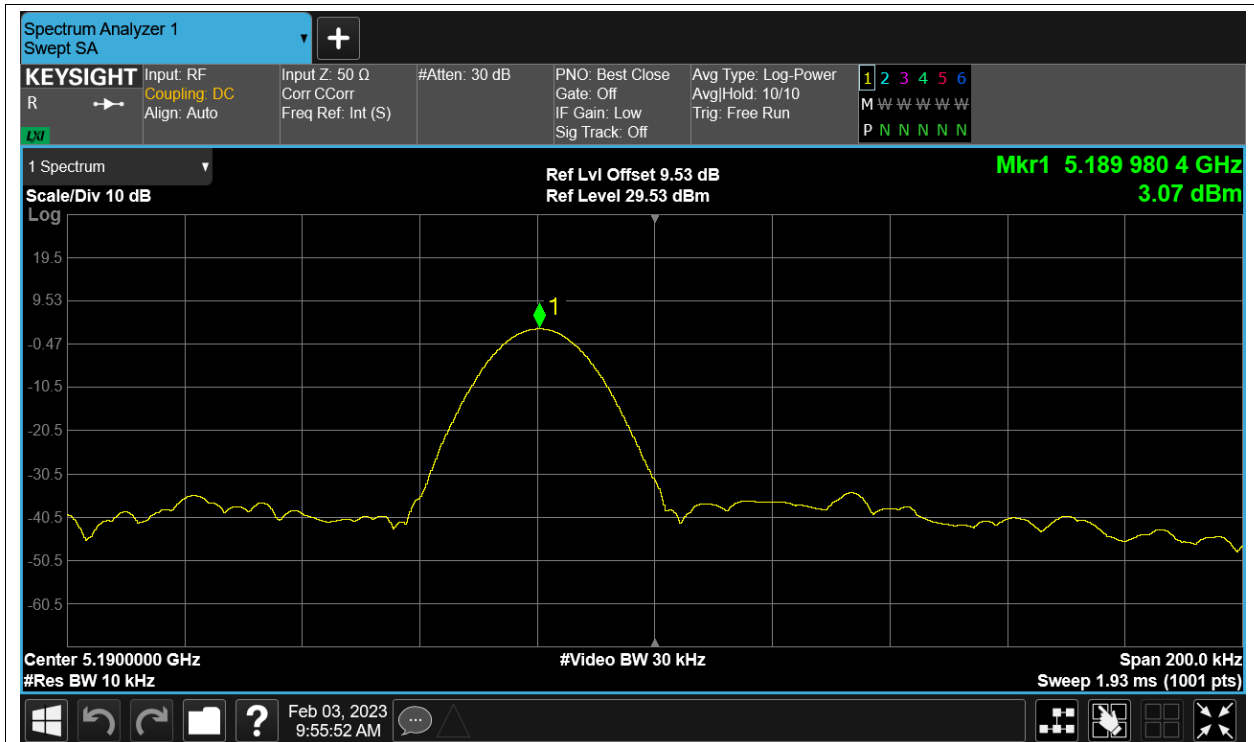
Freq. Stability NVNT a 5180MHz Ant1



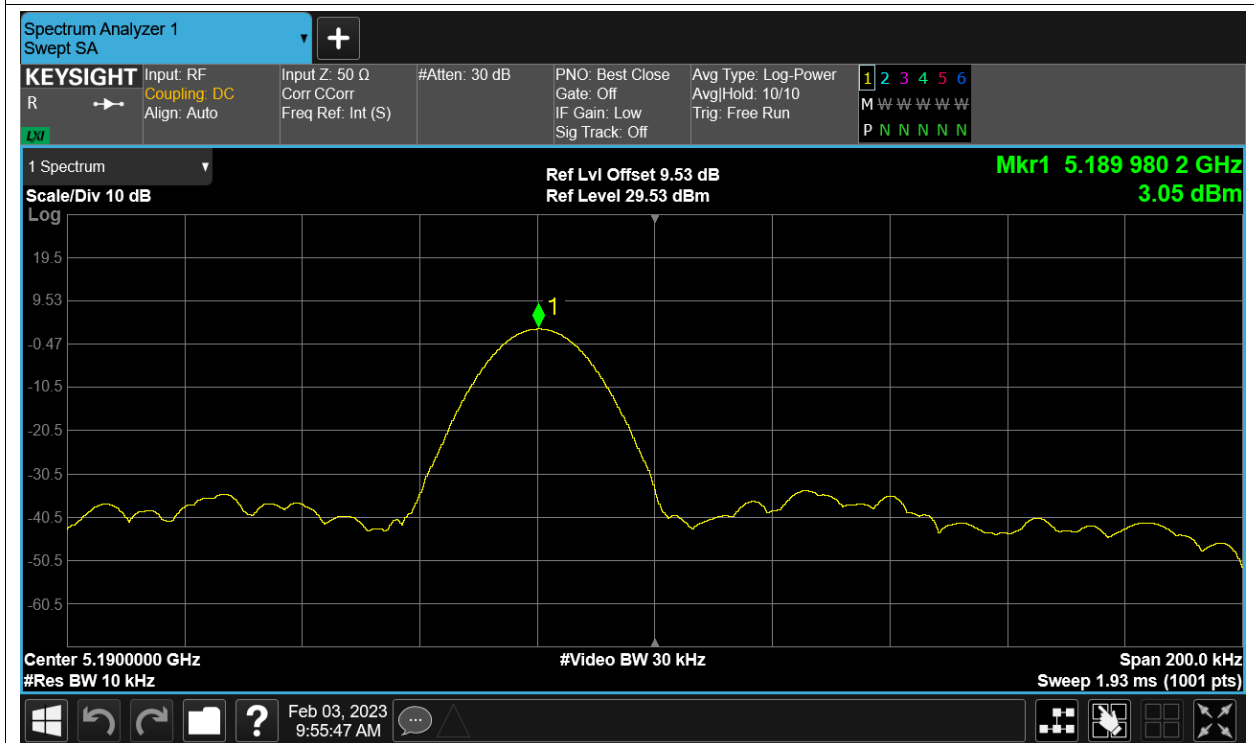
Freq. Stability HVNT n40 5190MHz Ant1



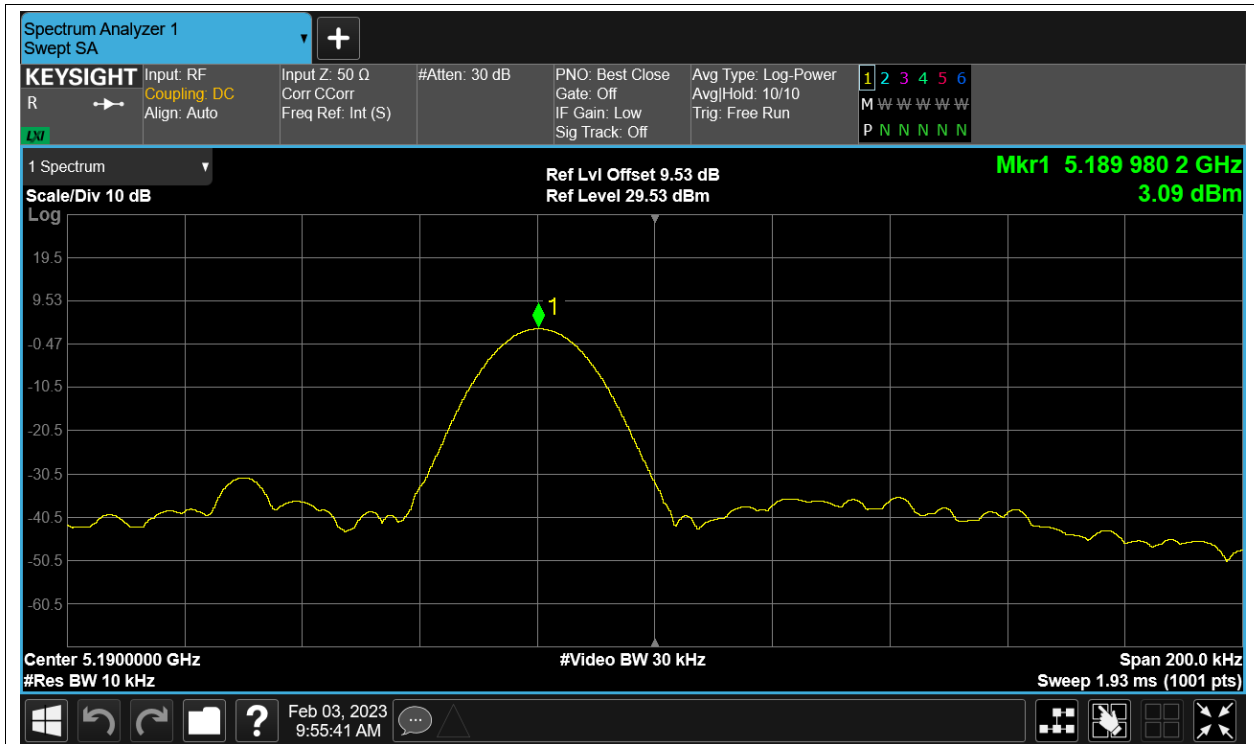
Freq. Stability LVNT n40 5190MHz Ant1



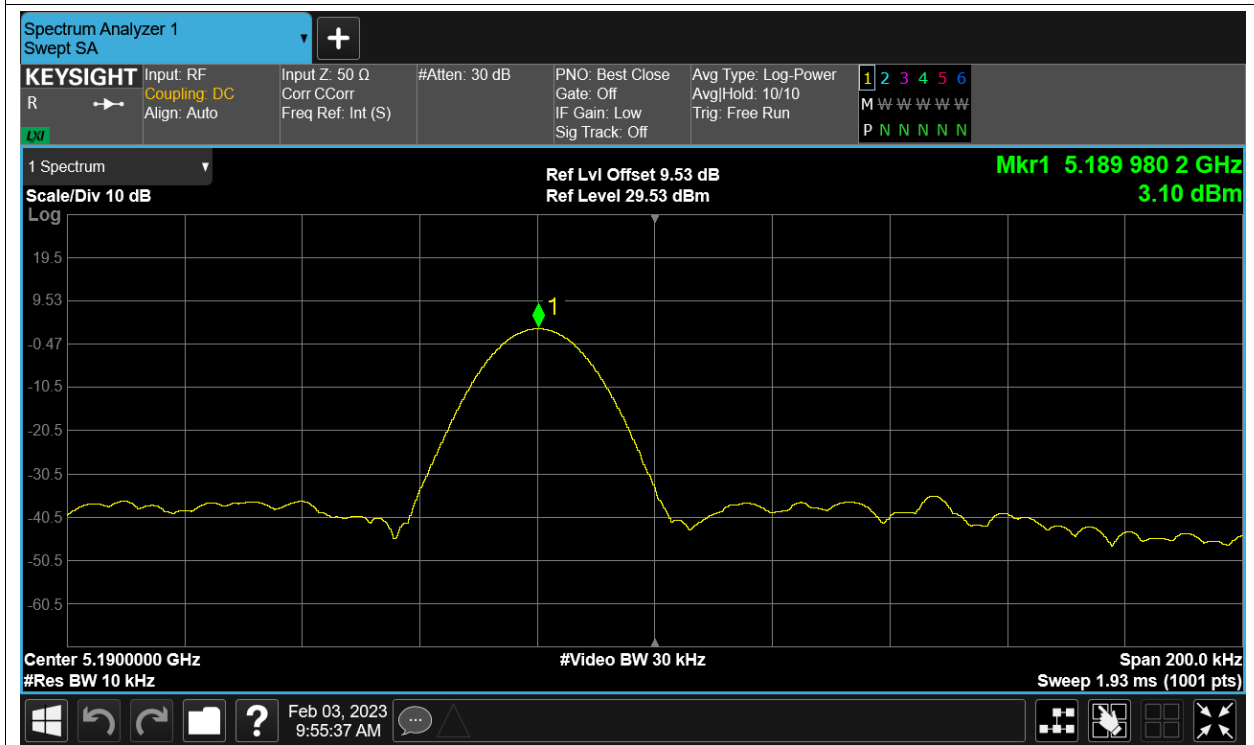
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

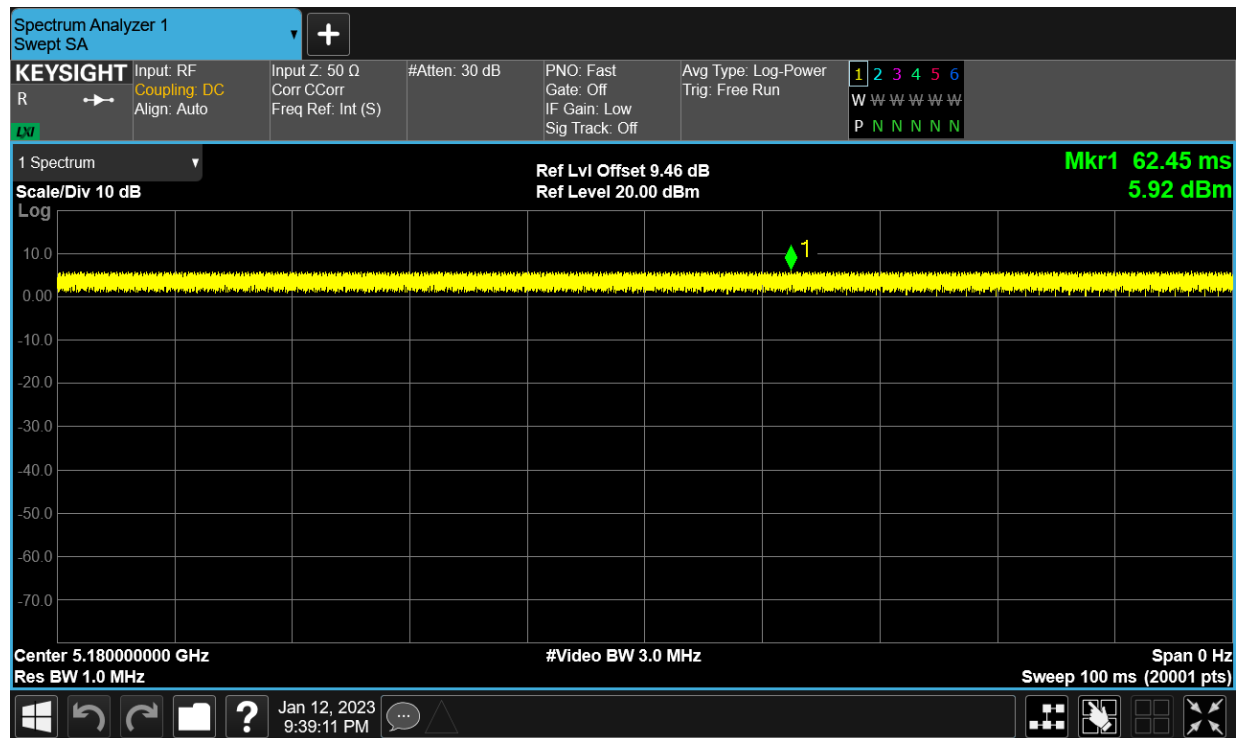


Duty Cycle

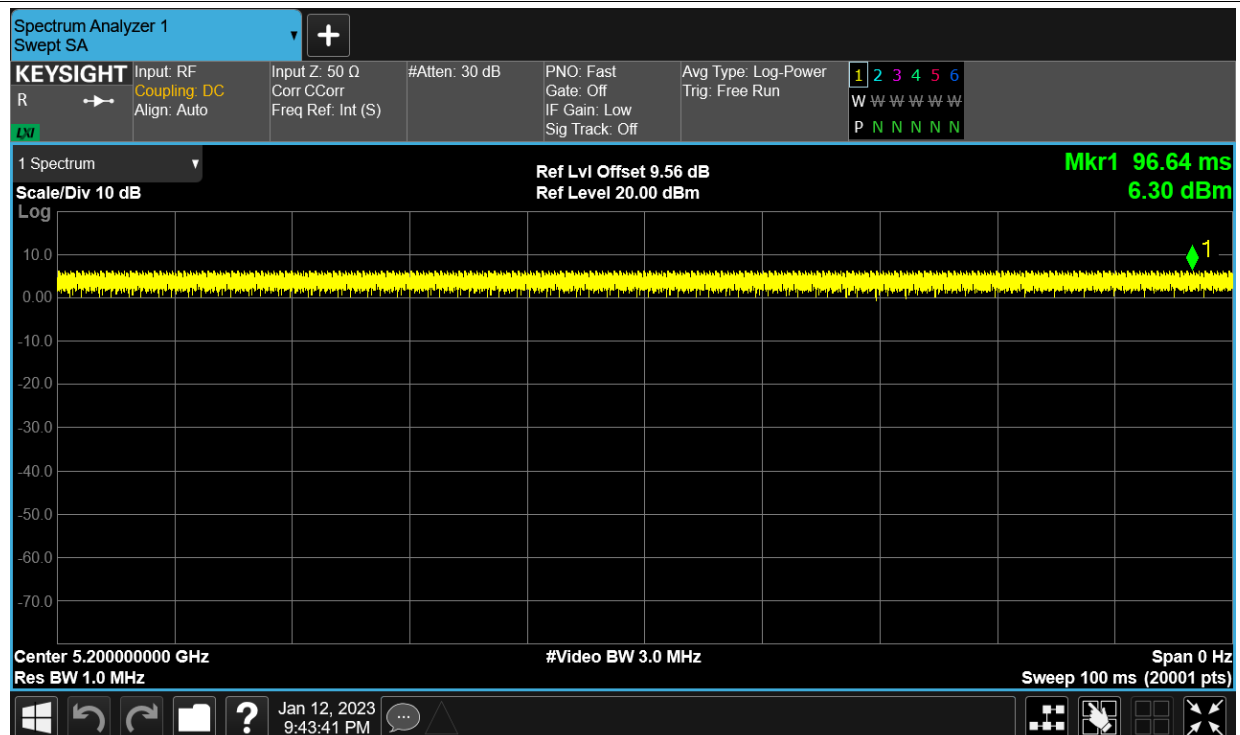
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
NVNT	n20	5180	Ant1	100	0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

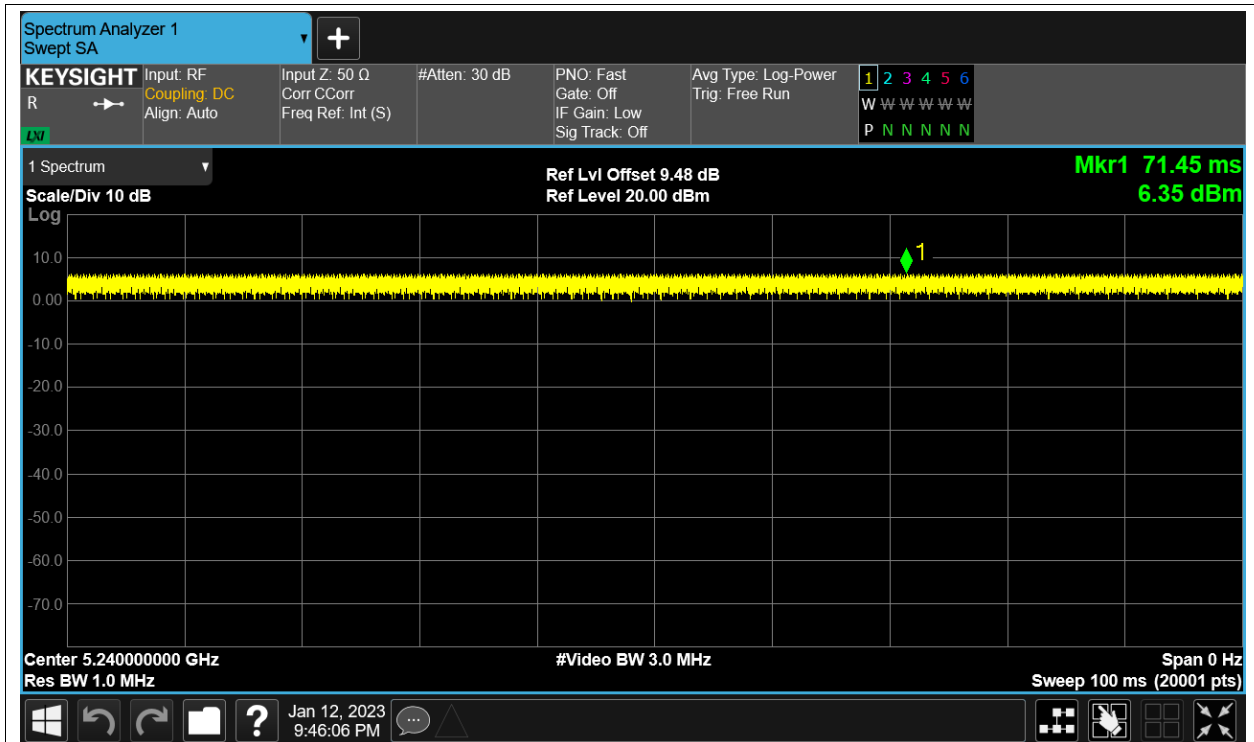
Duty Cycle NVNT a 5180MHz Ant1



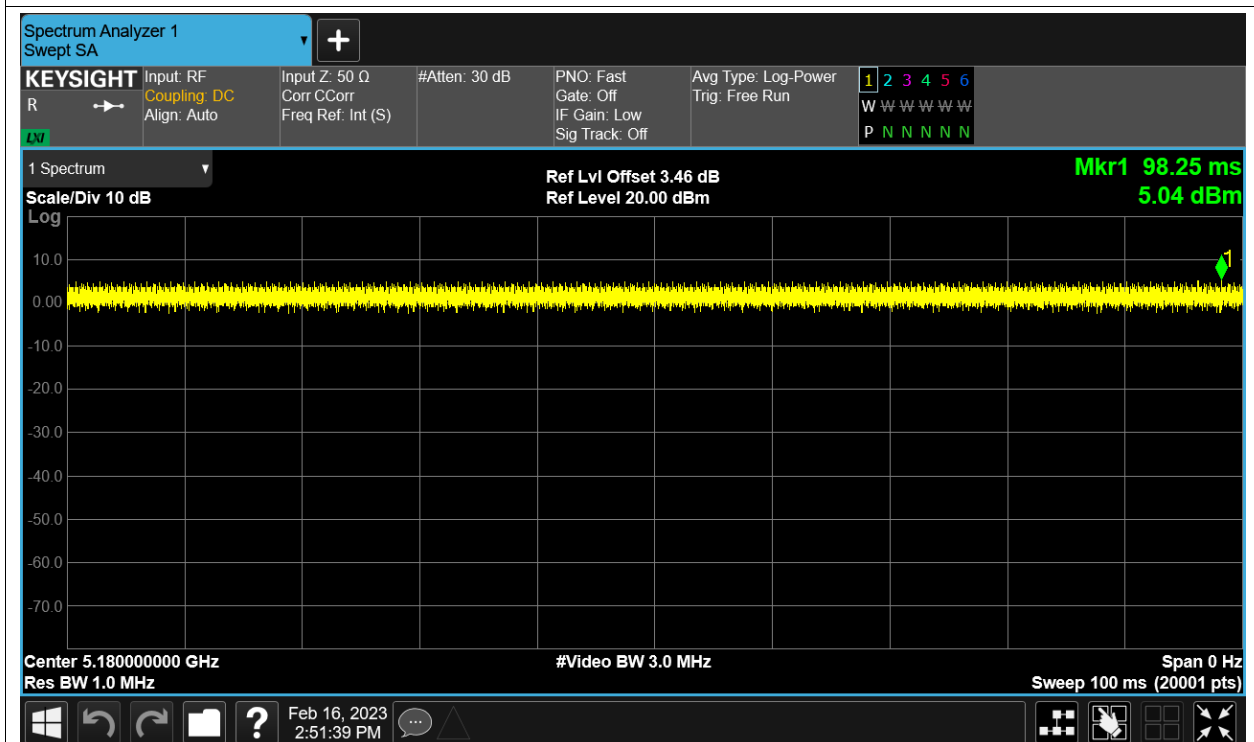
Duty Cycle NVNT a 5200MHz Ant1



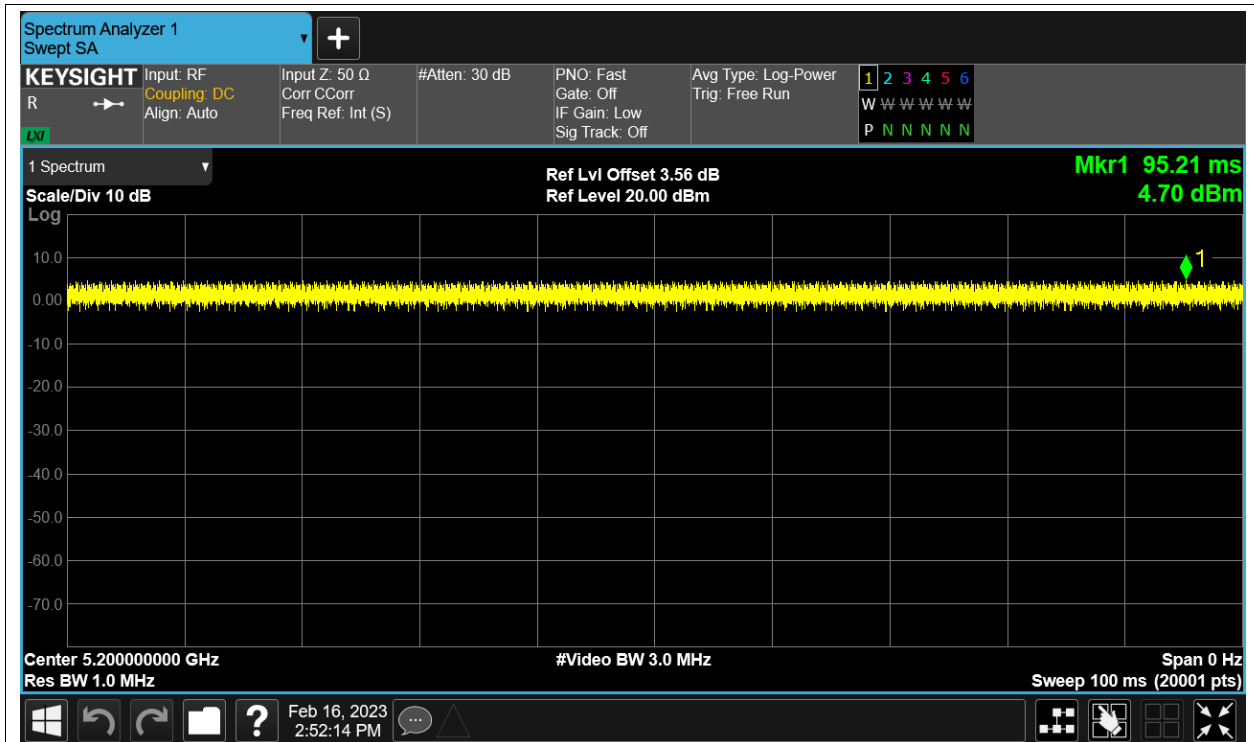
Duty Cycle NVNT a 5240MHz Ant1



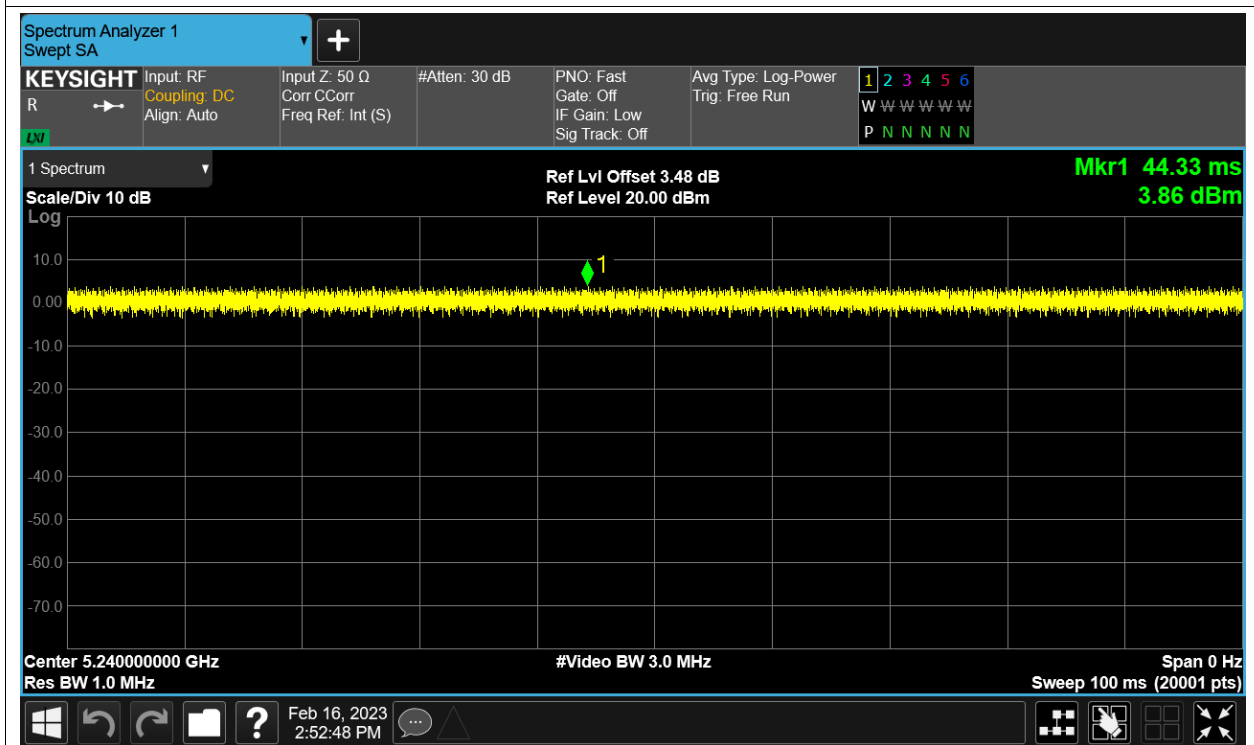
Duty Cycle NVNT ac20 5180MHz Ant1



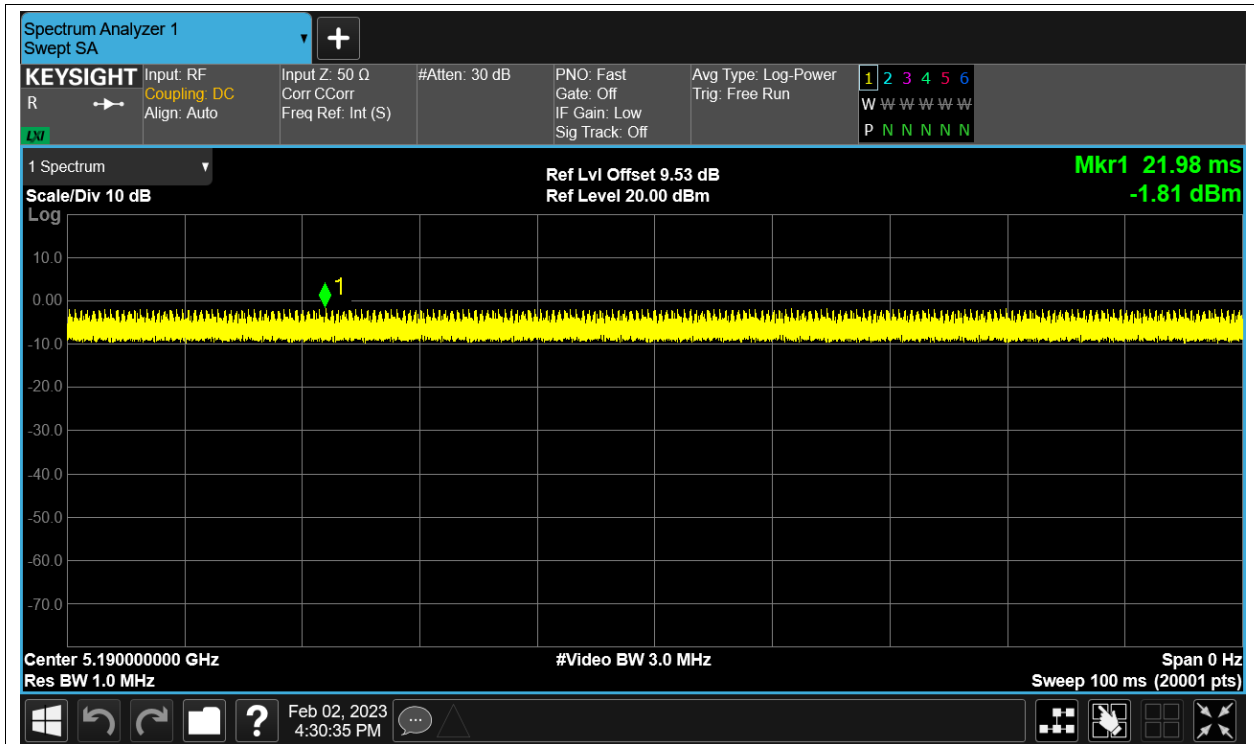
Duty Cycle NVNT ac20 5200MHz Ant1



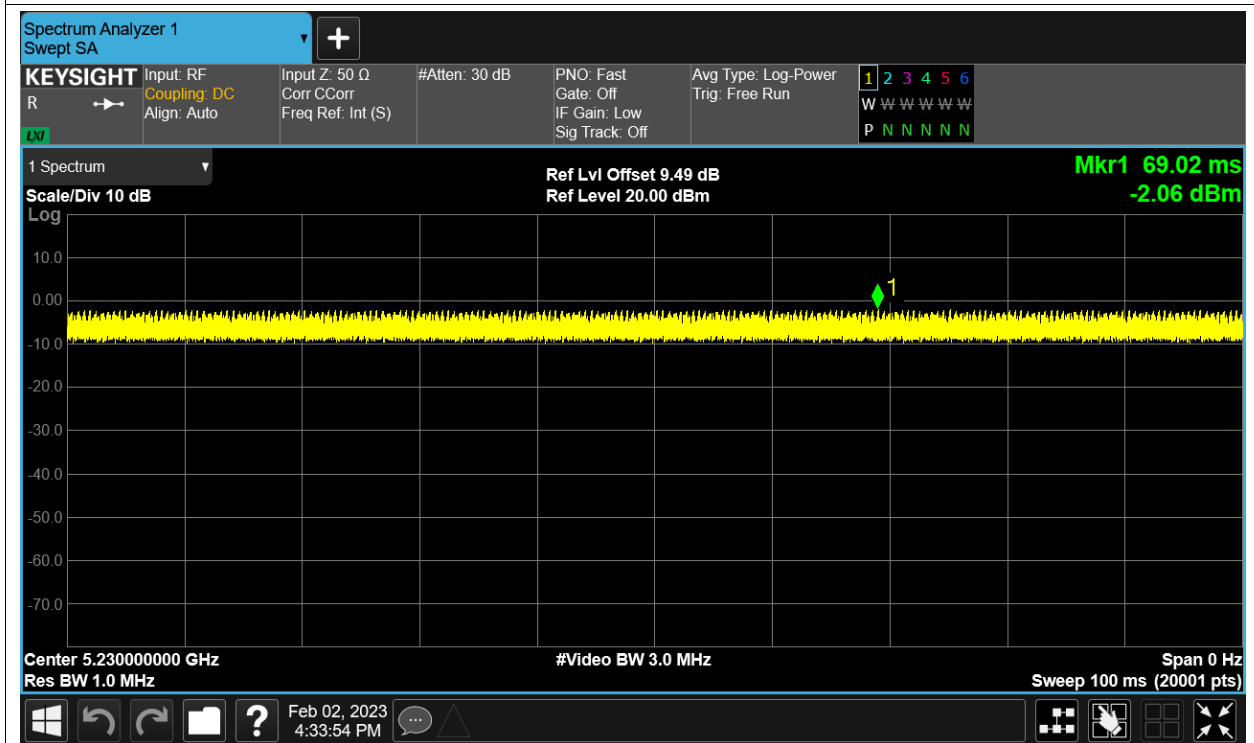
Duty Cycle NVNT ac20 5240MHz Ant1



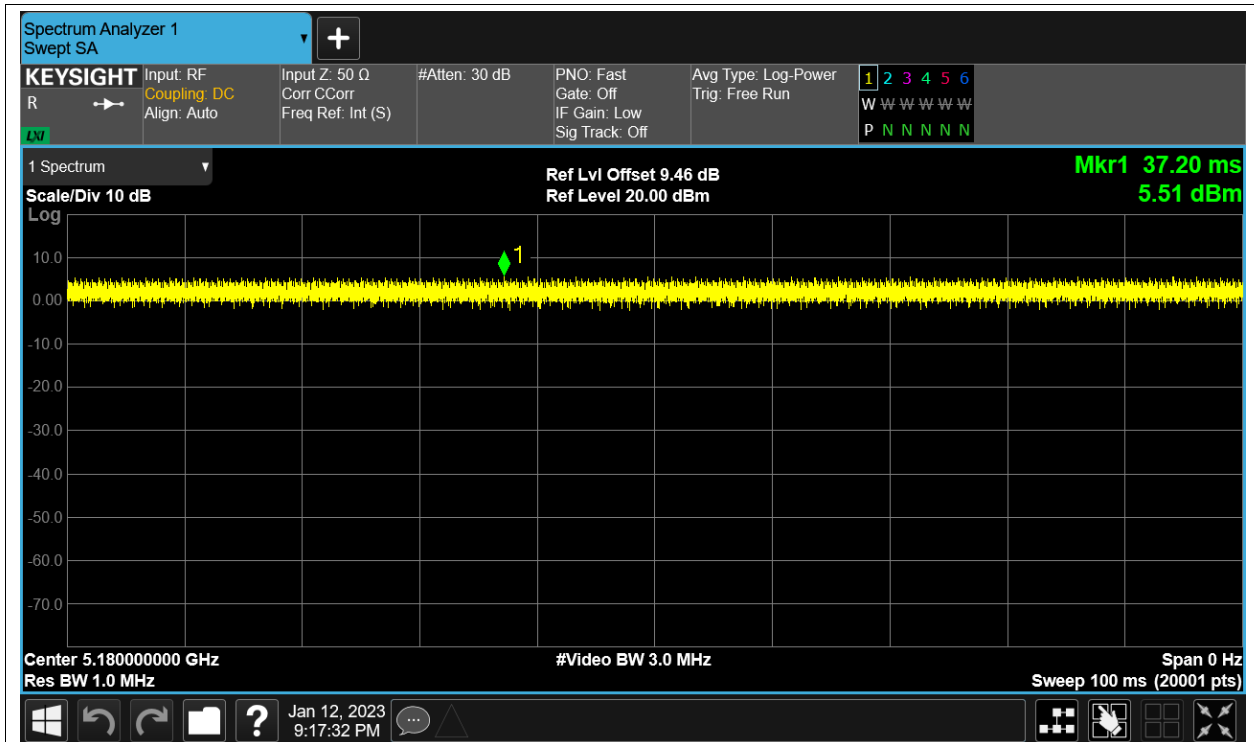
Duty Cycle NVNT ac40 5190MHz Ant1



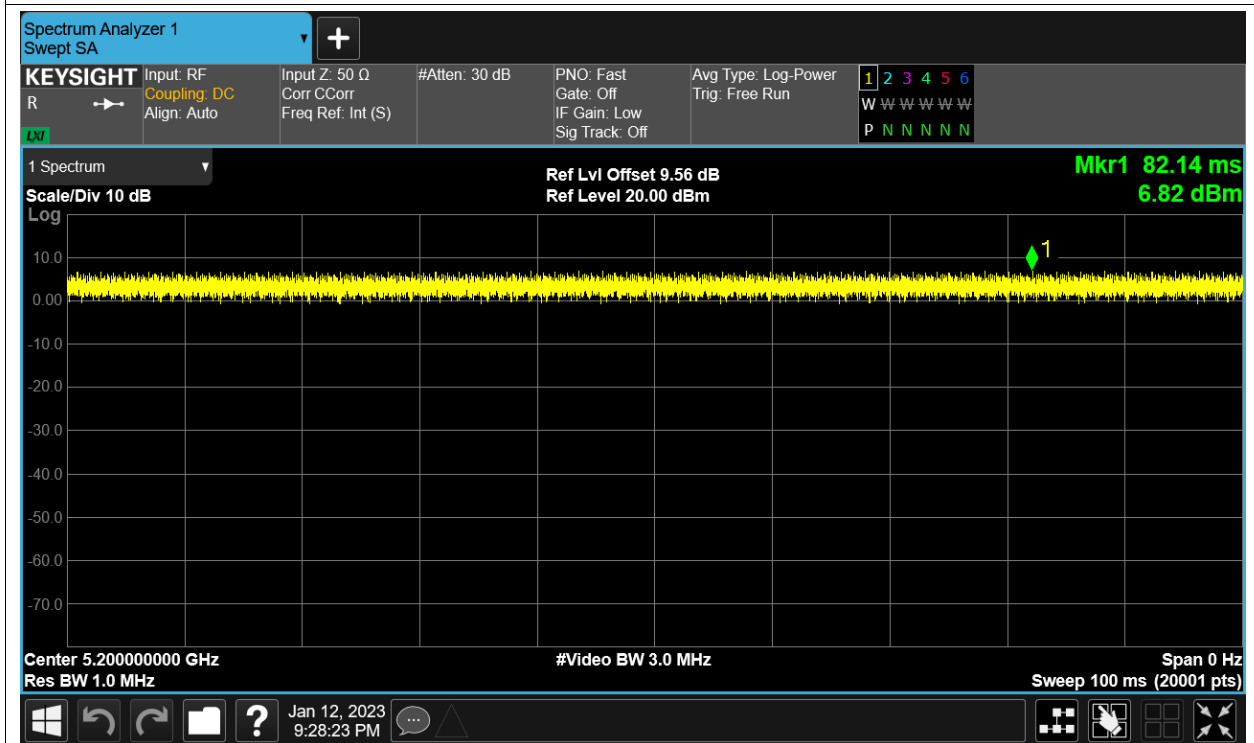
Duty Cycle NVNT ac40 5230MHz Ant1



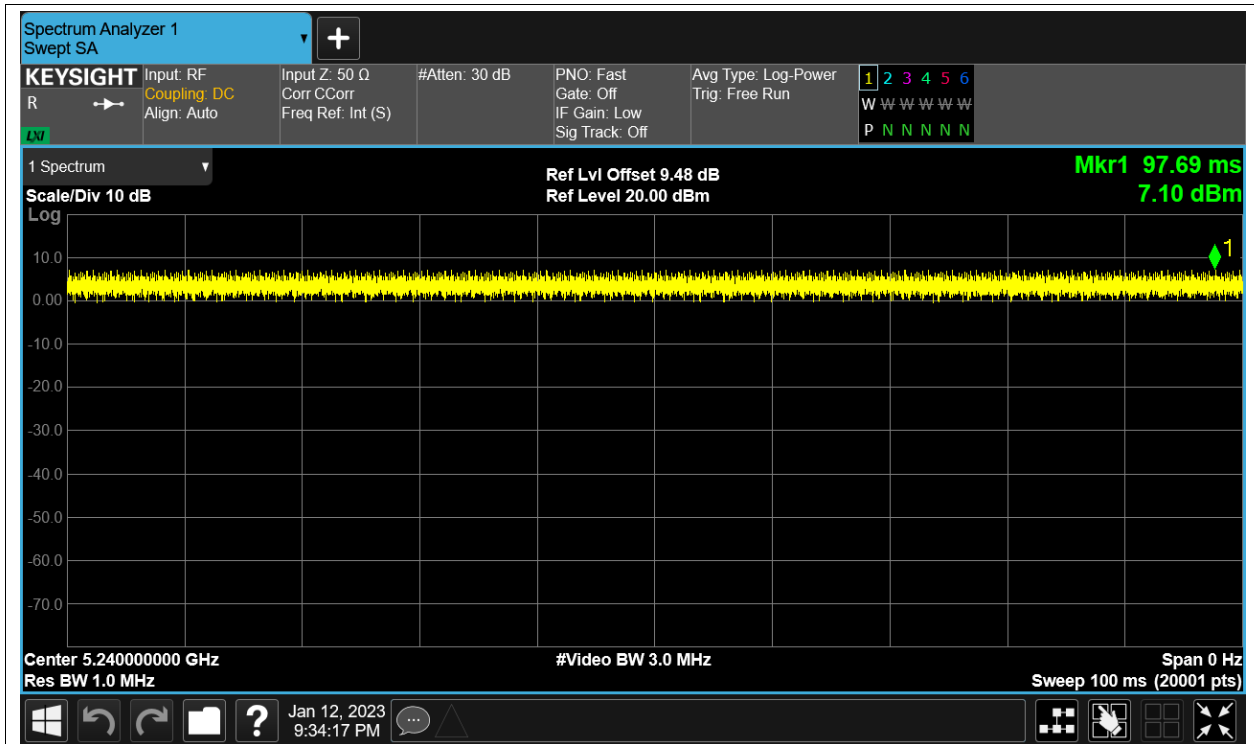
Duty Cycle NVNT n20 5180MHz Ant1



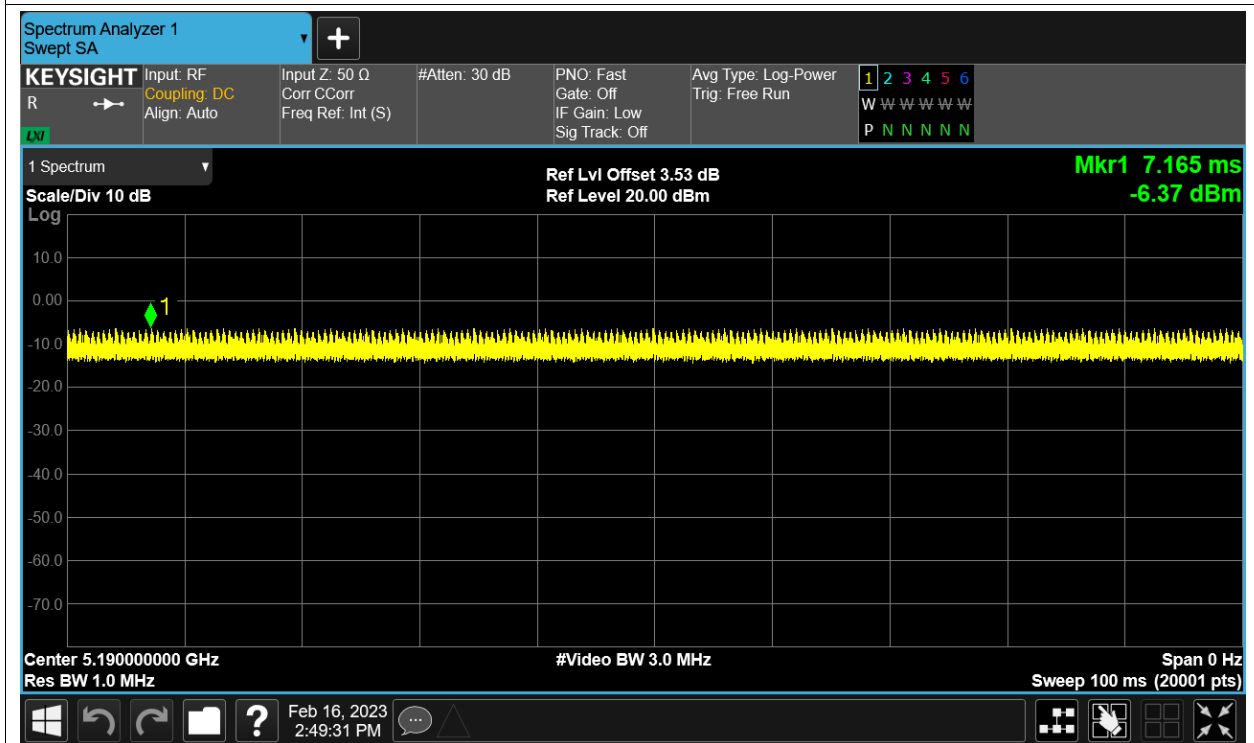
Duty Cycle NVNT n20 5200MHz Ant1



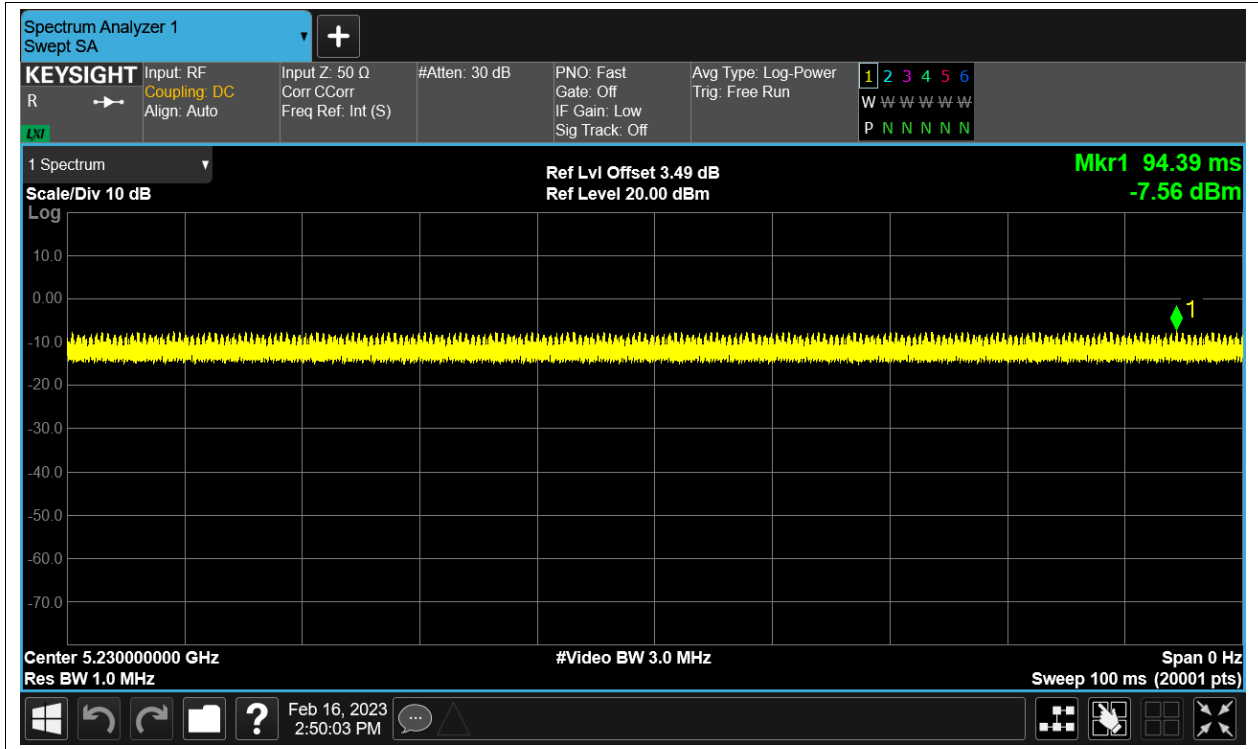
Duty Cycle NVNT n20 5240MHz Ant1



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	10.48	0	10.48	24	Pass
NVNT	a	5200	Ant1	10.8	0	10.8	24	Pass
NVNT	a	5240	Ant1	10.84	0	10.84	24	Pass
NVNT	ac20	5180	Ant1	9.66	0	9.66	24	Pass
NVNT	ac20	5200	Ant1	8.63	0	8.63	24	Pass
NVNT	ac20	5240	Ant1	8.84	0	8.84	24	Pass
NVNT	ac40	5190	Ant1	8.56	0	8.56	24	Pass
NVNT	ac40	5230	Ant1	8.55	0	8.55	24	Pass
NVNT	n20	5180	Ant1	10.72	0	10.72	24	Pass
NVNT	n20	5200	Ant1	10.62	0	10.62	24	Pass
NVNT	n20	5240	Ant1	10.8	0	10.8	24	Pass
NVNT	n40	5190	Ant1	4.73	0	4.73	24	Pass
NVNT	n40	5230	Ant1	4.01	0	4.01	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	19.461
NVNT	a	5200	Ant1	19.735
NVNT	a	5240	Ant1	19.704
NVNT	ac20	5180	Ant1	24.802
NVNT	ac20	5200	Ant1	29.334
NVNT	ac20	5240	Ant1	25.978
NVNT	ac40	5190	Ant1	45.374
NVNT	ac40	5230	Ant1	45.509
NVNT	n20	5180	Ant1	19.895
NVNT	n20	5200	Ant1	19.947
NVNT	n20	5240	Ant1	19.733
NVNT	n40	5190	Ant1	40.059
NVNT	n40	5230	Ant1	40.009

Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1



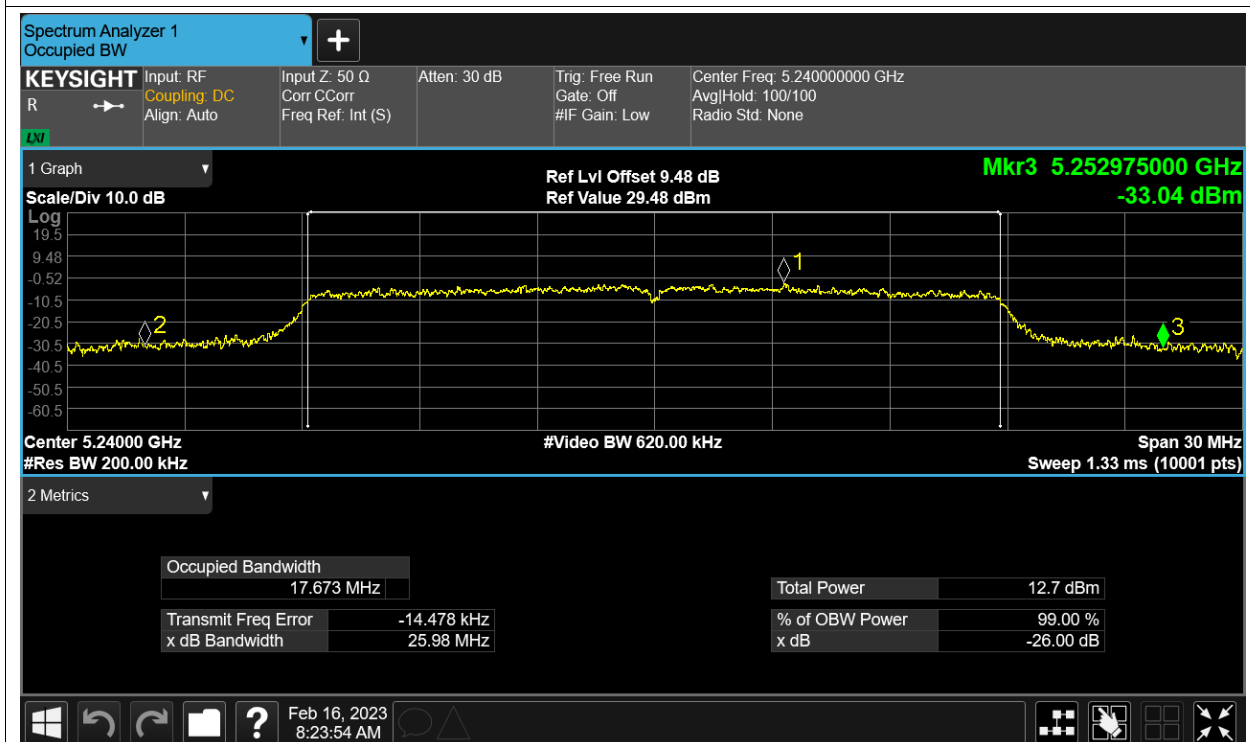
-26dB Bandwidth NVNT ac20 5180MHz Ant1



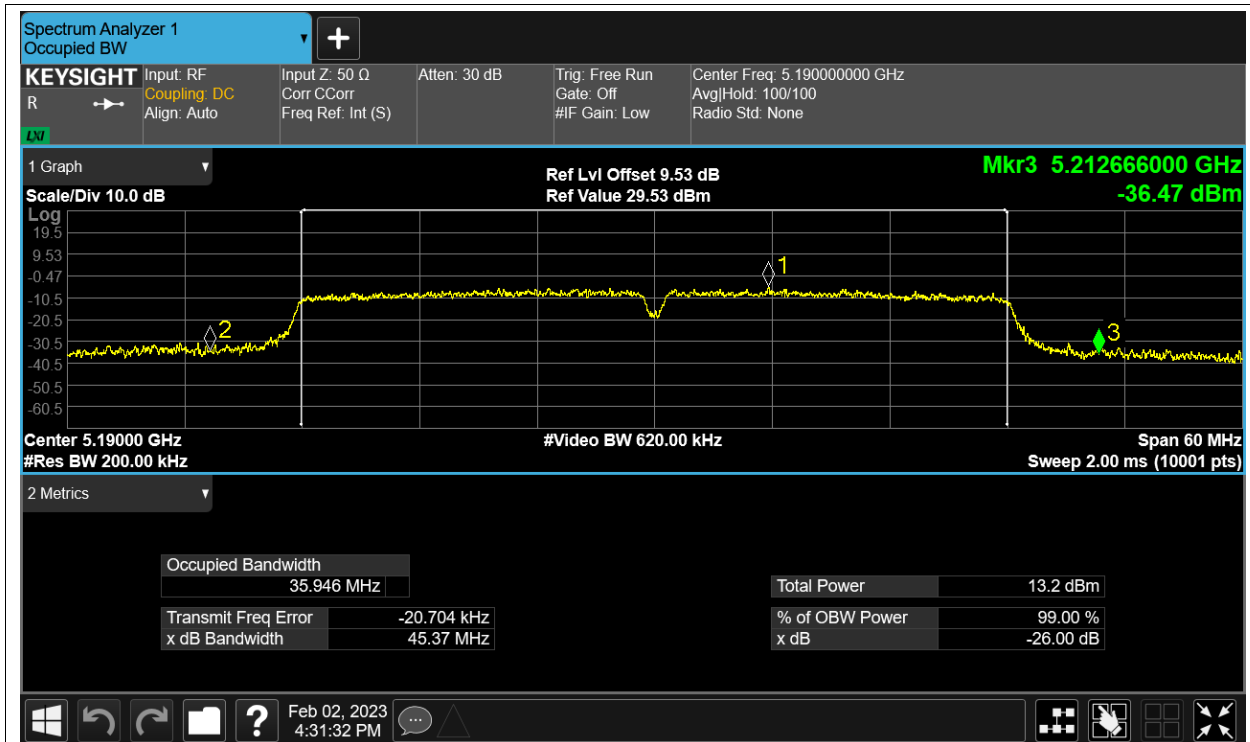
-26dB Bandwidth NVNT ac20 5200MHz Ant1



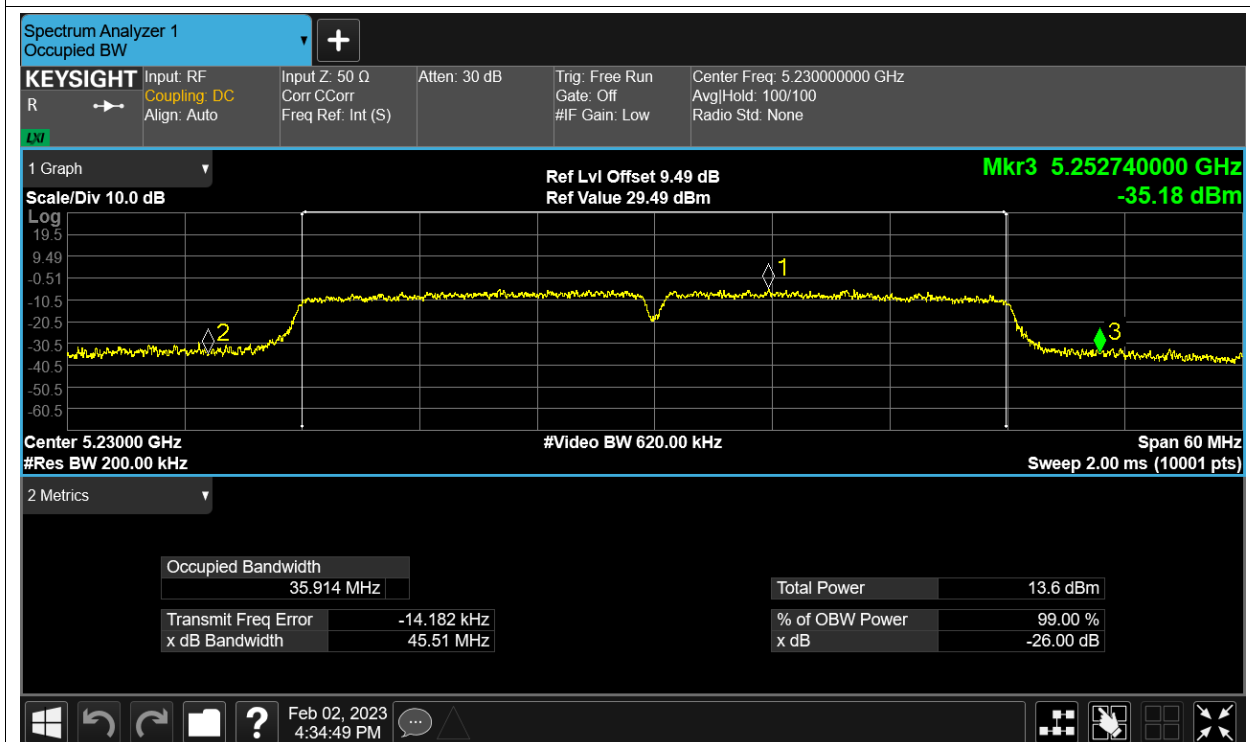
-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



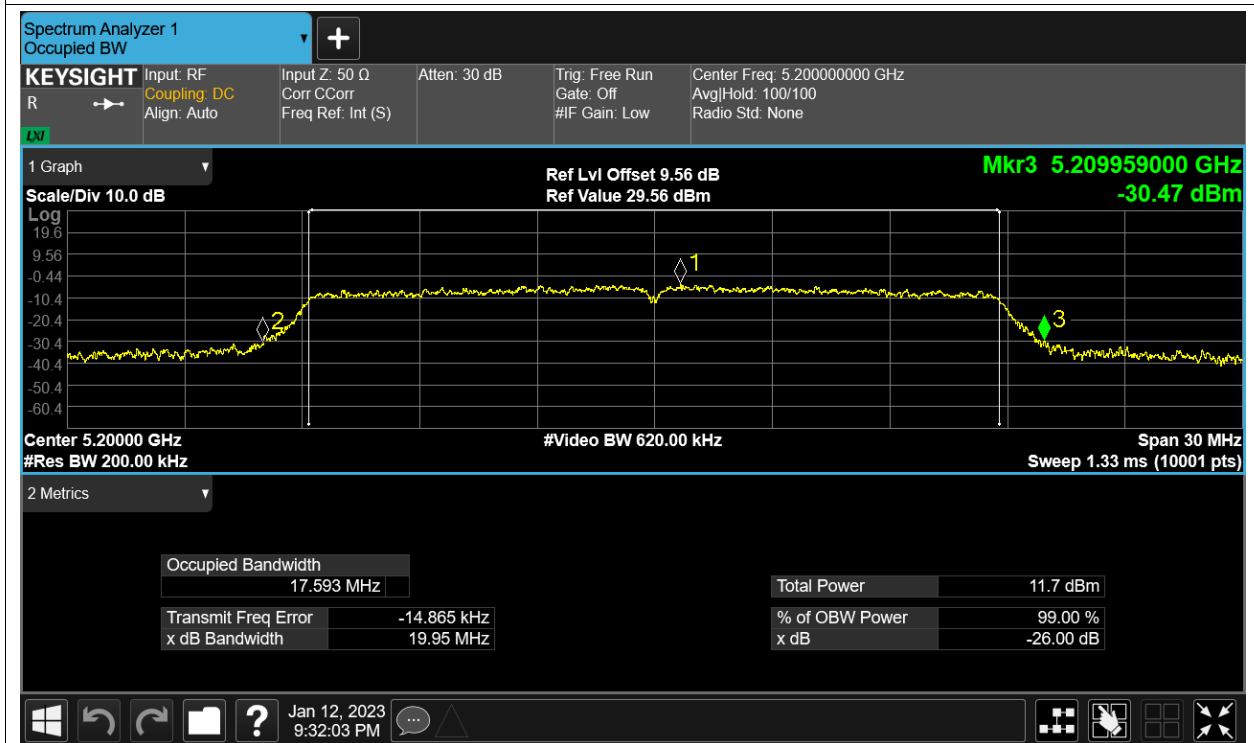
-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



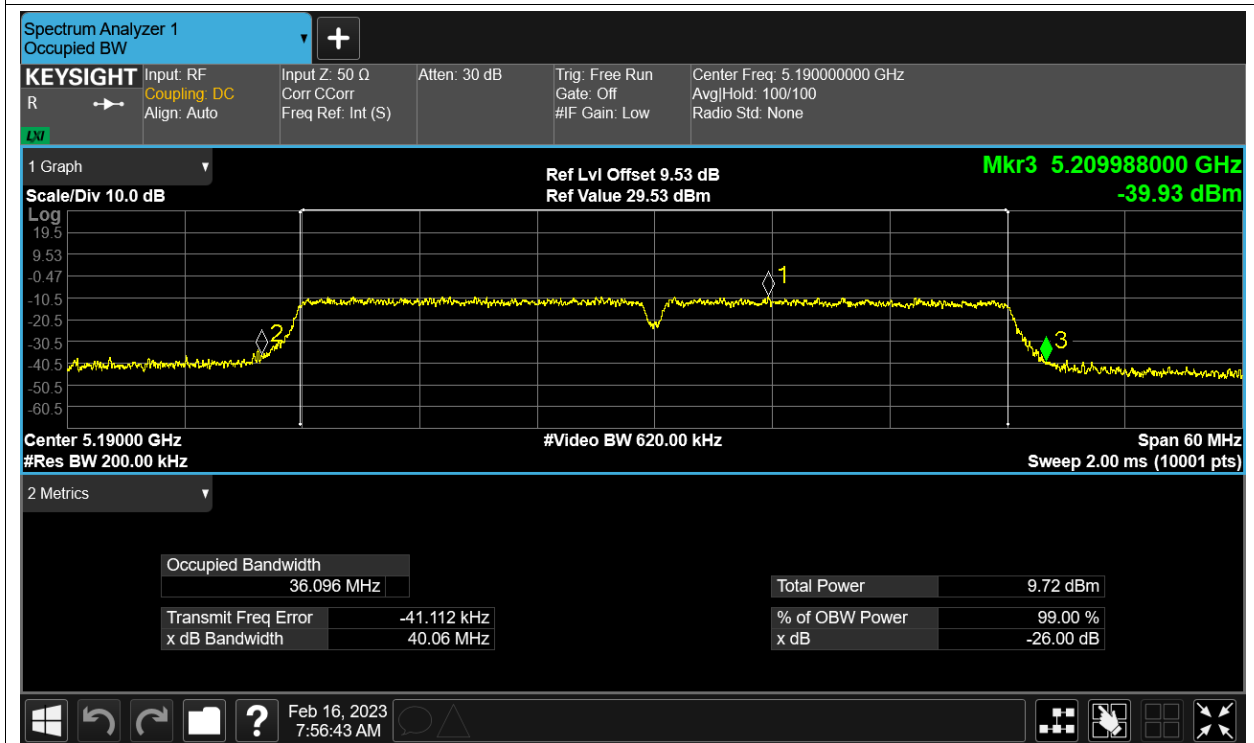
-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

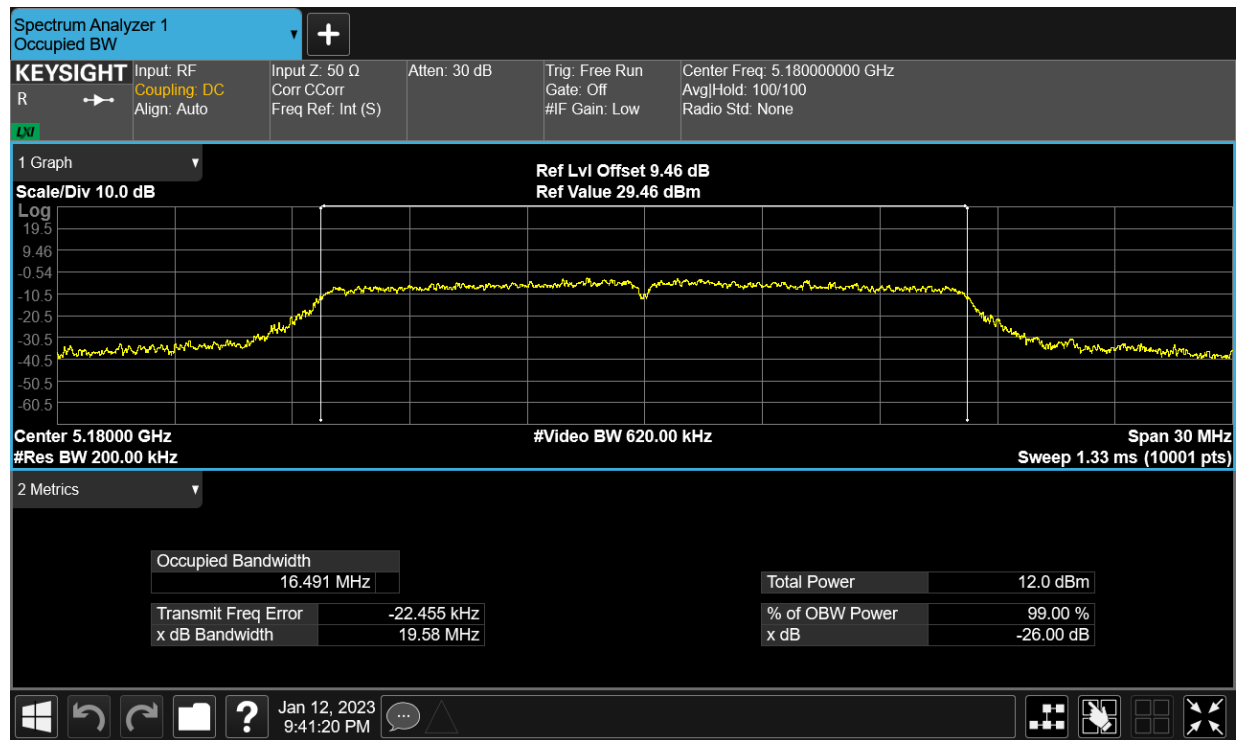


Occupied Channel Bandwidth

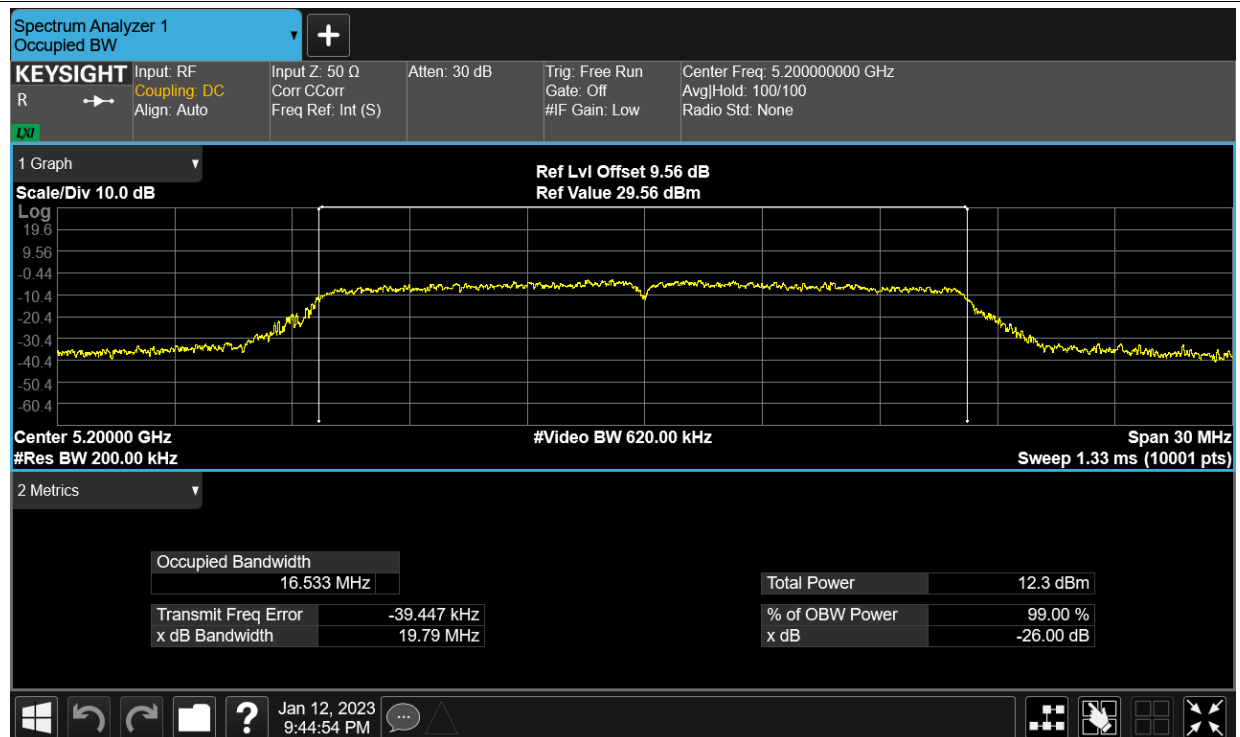
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.491
NVNT	a	5200	Ant1	16.533
NVNT	a	5240	Ant1	16.439
NVNT	ac20	5180	Ant1	17.659
NVNT	ac20	5200	Ant1	17.721
NVNT	ac20	5240	Ant1	17.667
NVNT	ac40	5190	Ant1	35.97
NVNT	ac40	5230	Ant1	35.986
NVNT	n20	5180	Ant1	17.594
NVNT	n20	5200	Ant1	17.589
NVNT	n20	5240	Ant1	17.603
NVNT	n40	5190	Ant1	36.186
NVNT	n40	5230	Ant1	35.847

Test Graphs

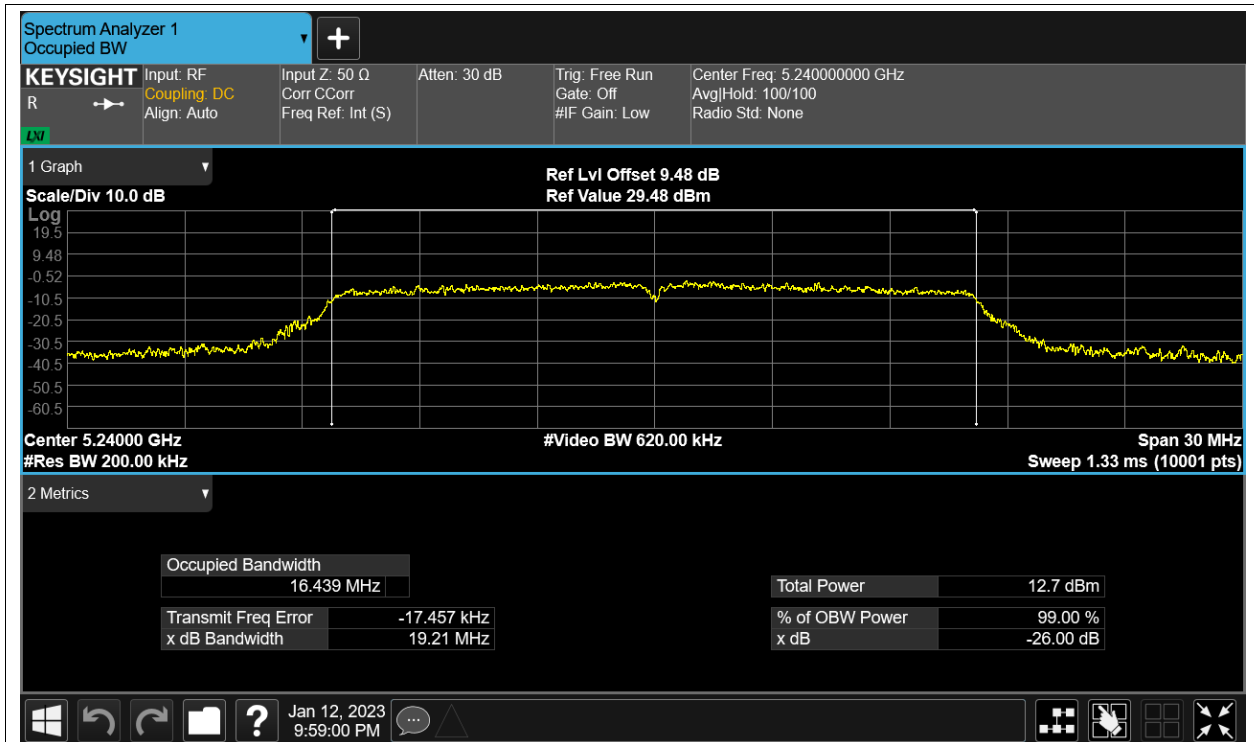
OBW NVNT a 5180MHz Ant1



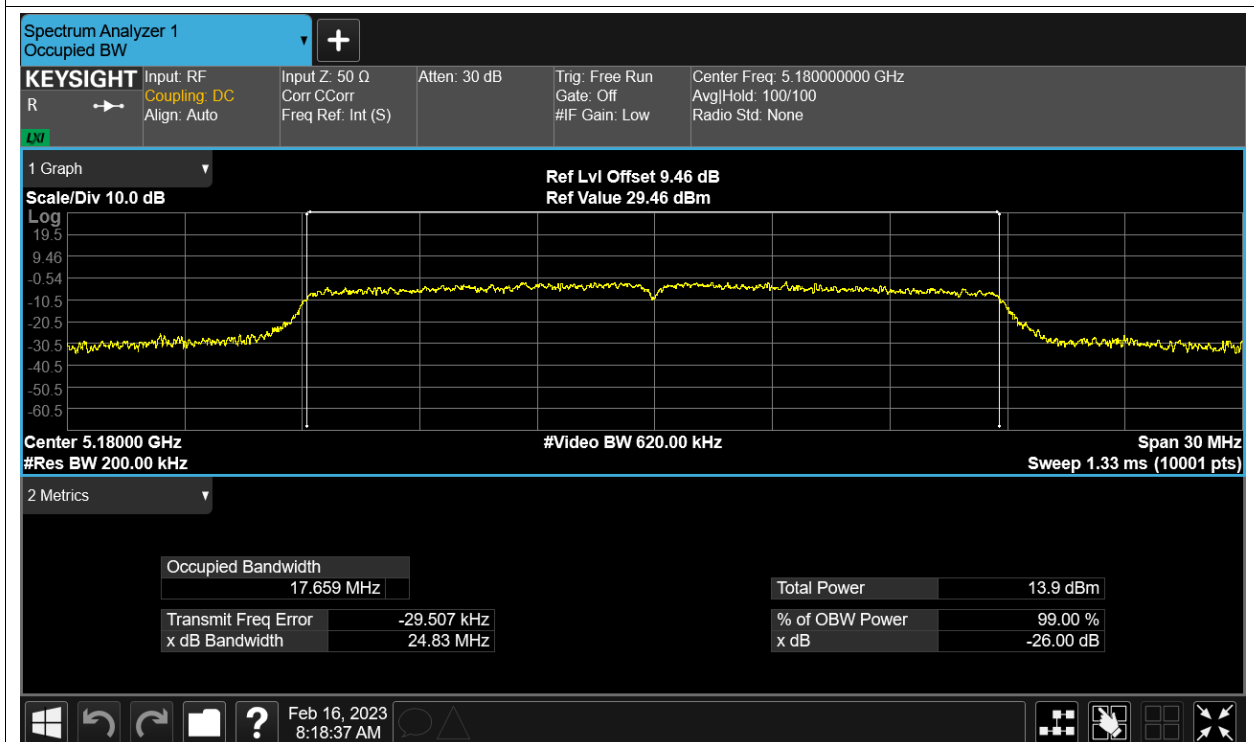
OBW NVNT a 5200MHz Ant1



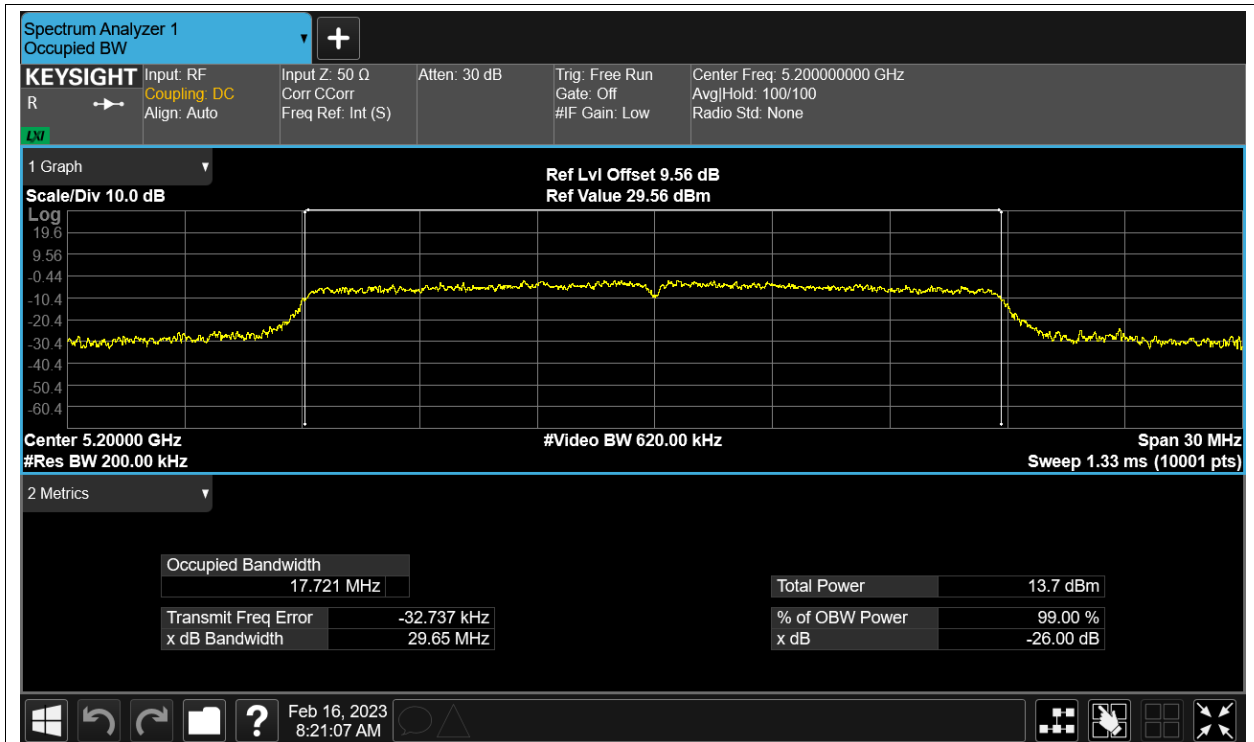
OBW NVNT a 5240MHz Ant1



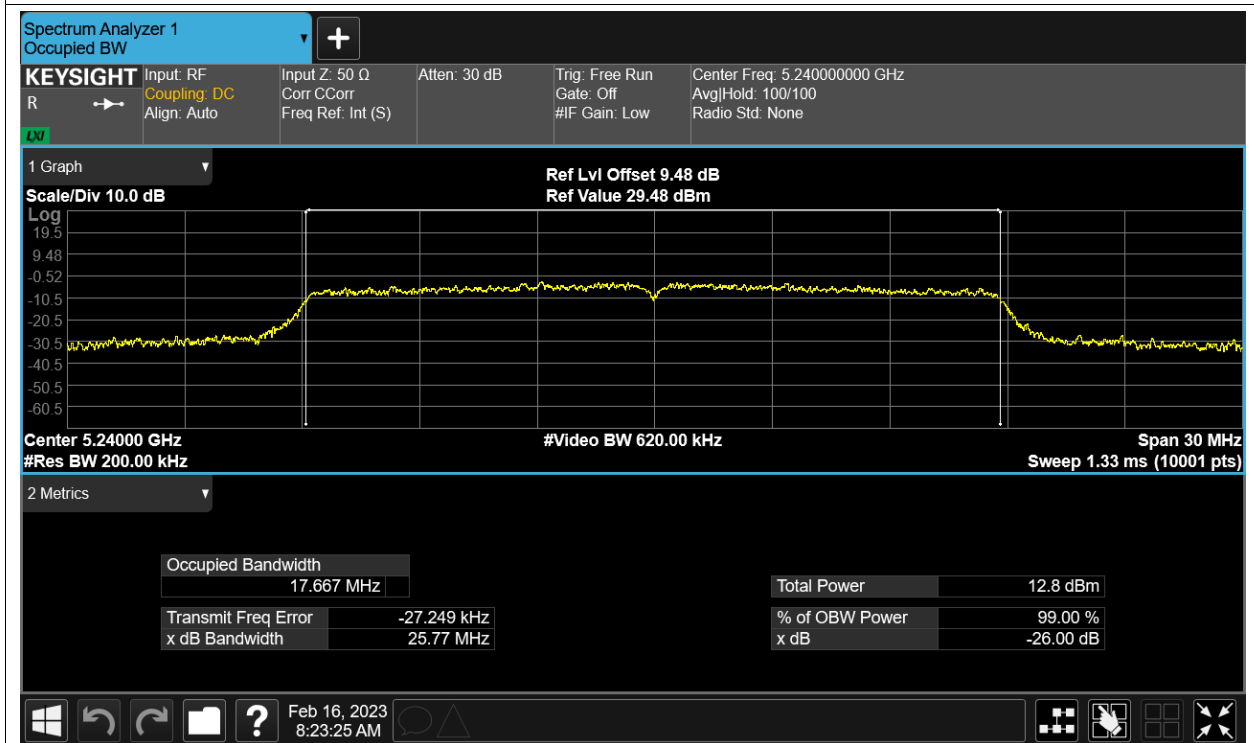
OBW NVNT ac20 5180MHz Ant1



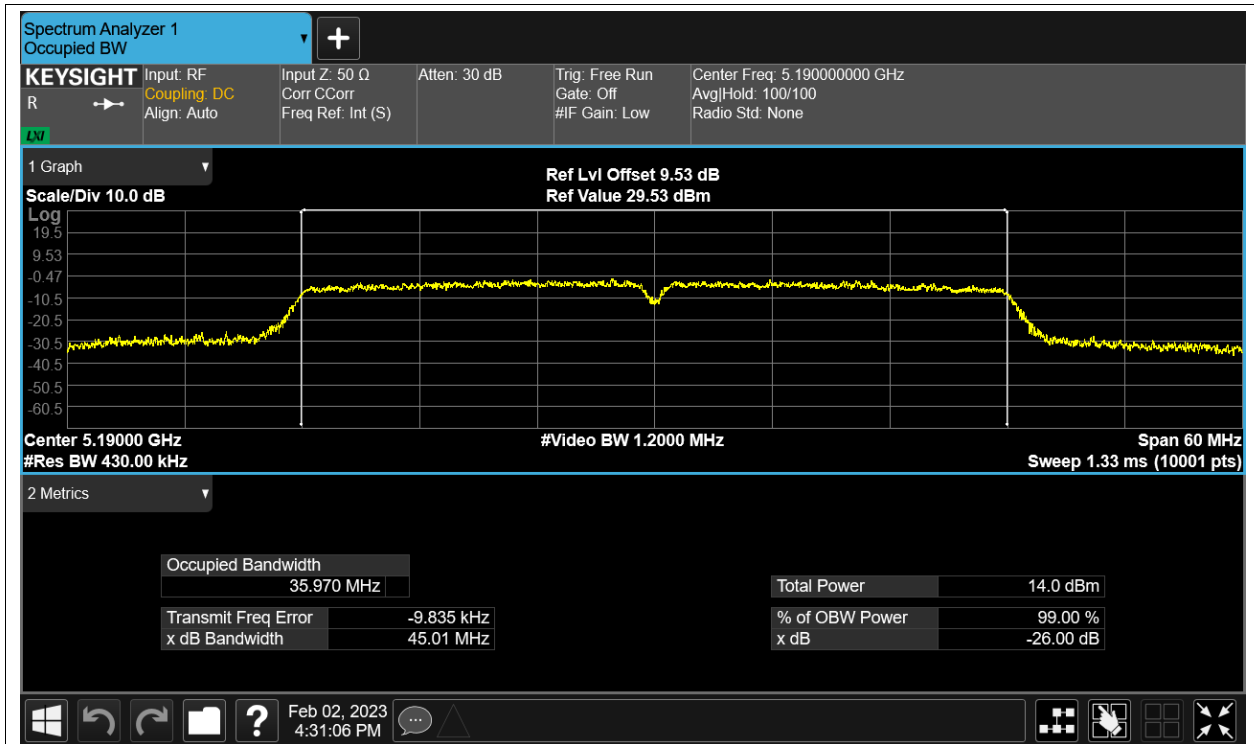
OBW NVNT ac20 5200MHz Ant1



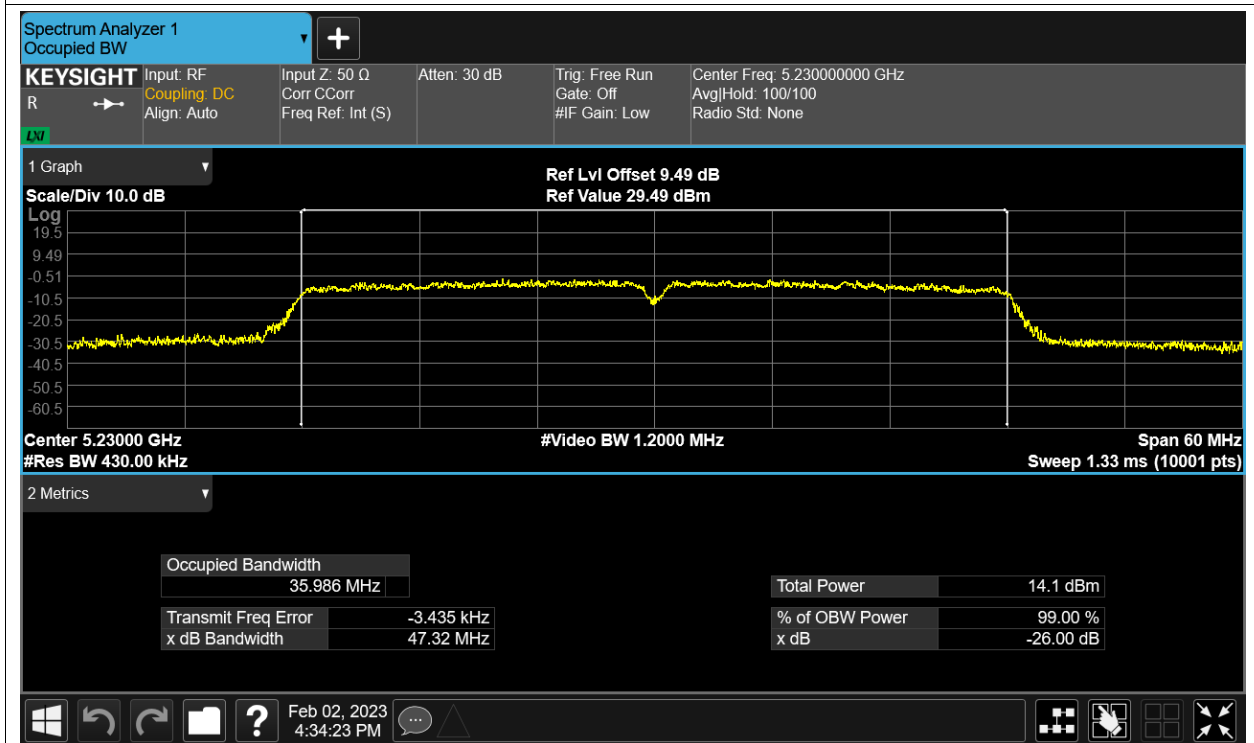
OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



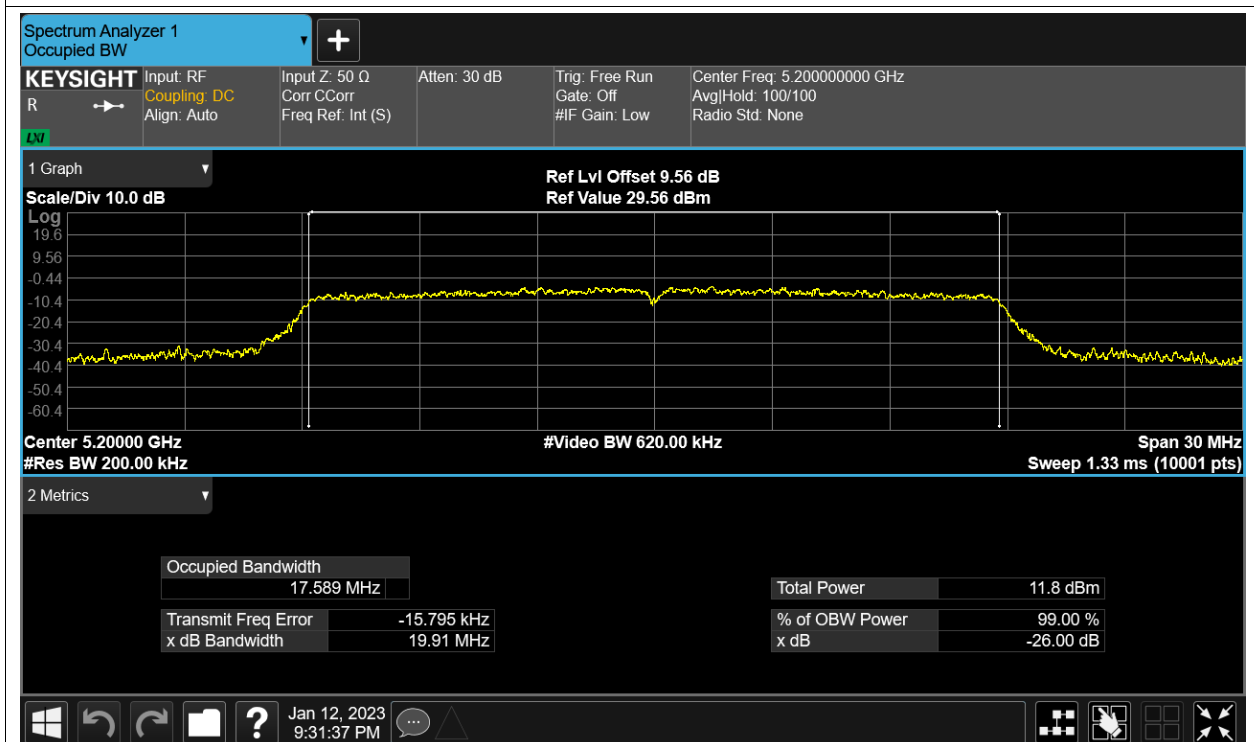
OBW NVNT ac40 5230MHz Ant1



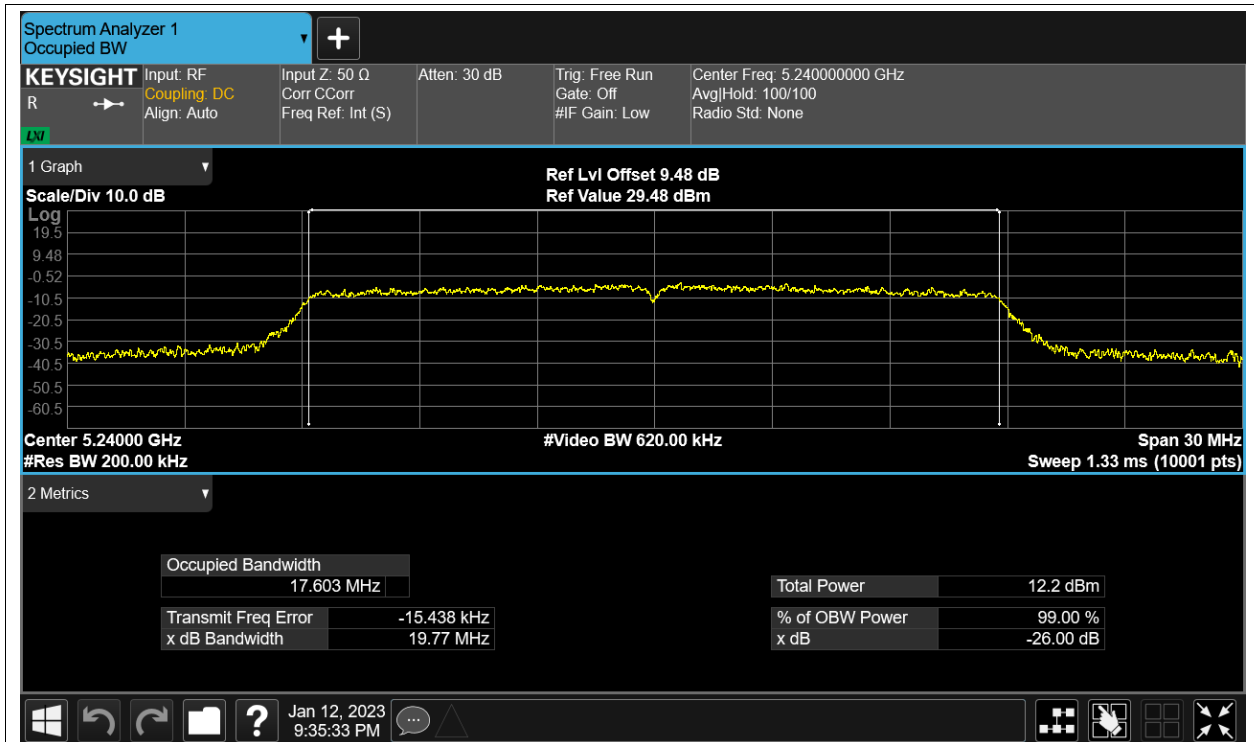
OBW NVNT n20 5180MHz Ant1



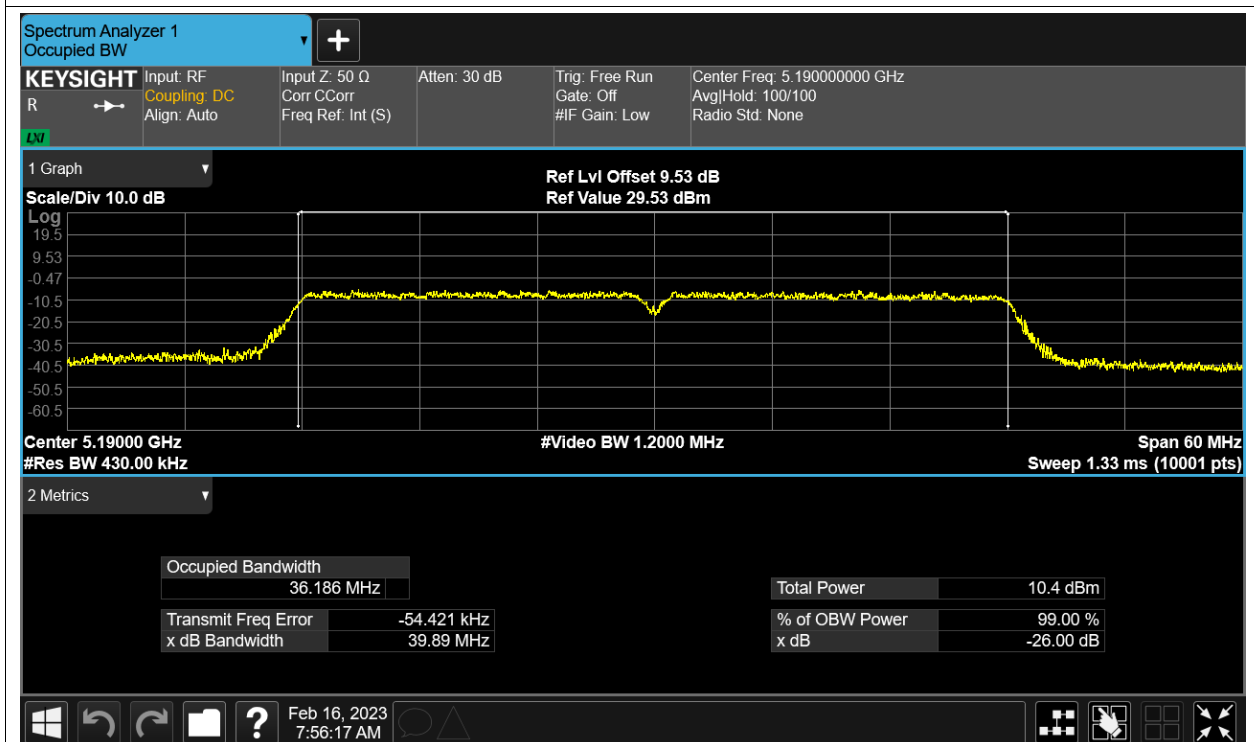
OBW NVNT n20 5200MHz Ant1



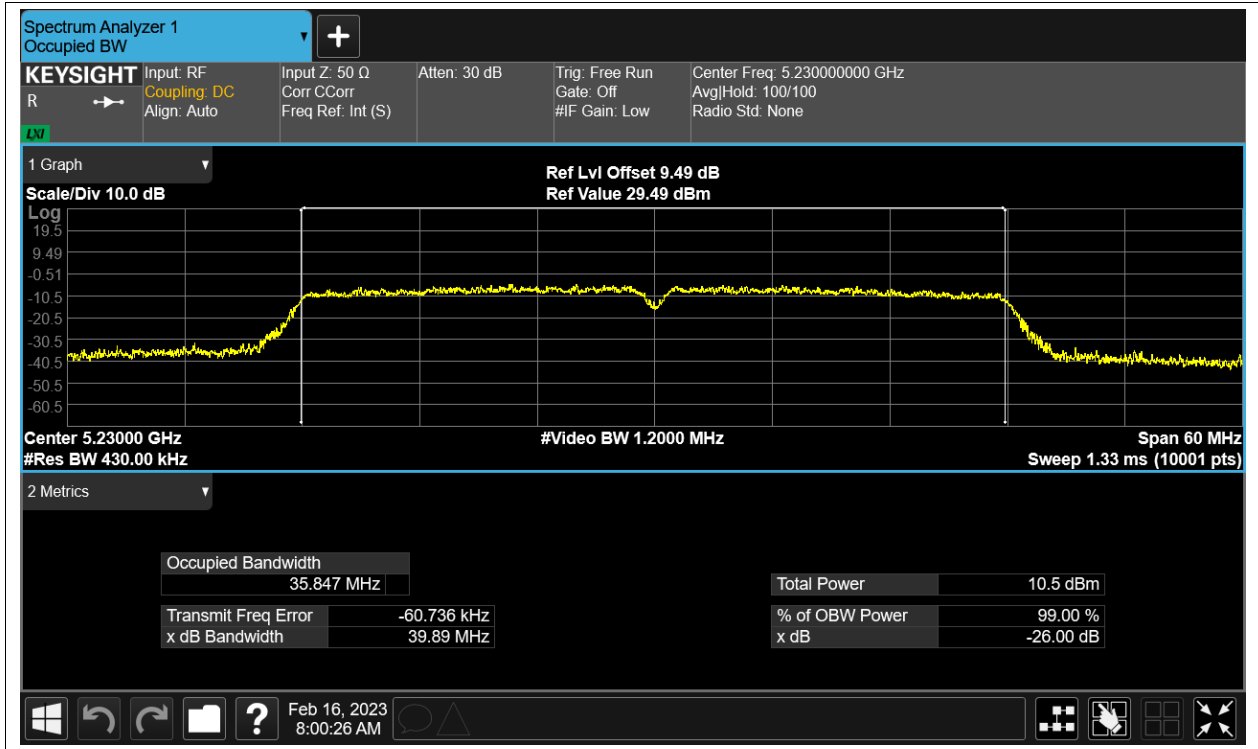
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

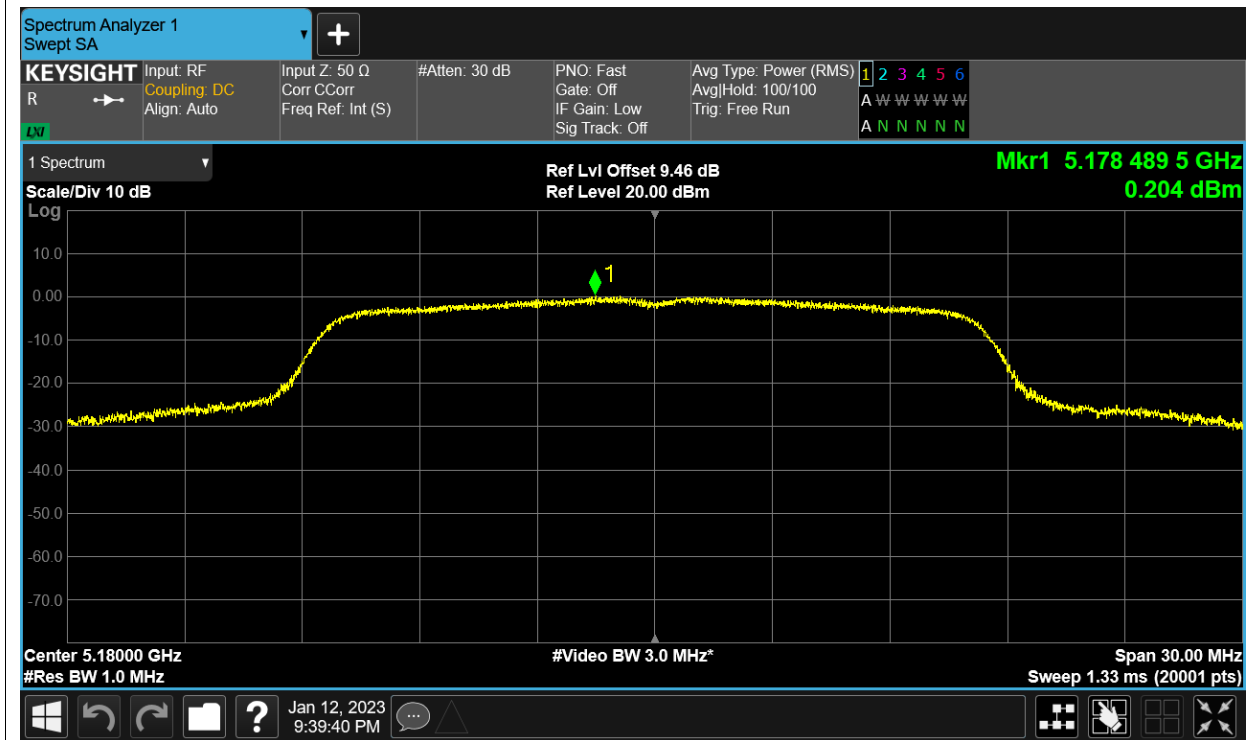


Maximum Power Spectral Density Level

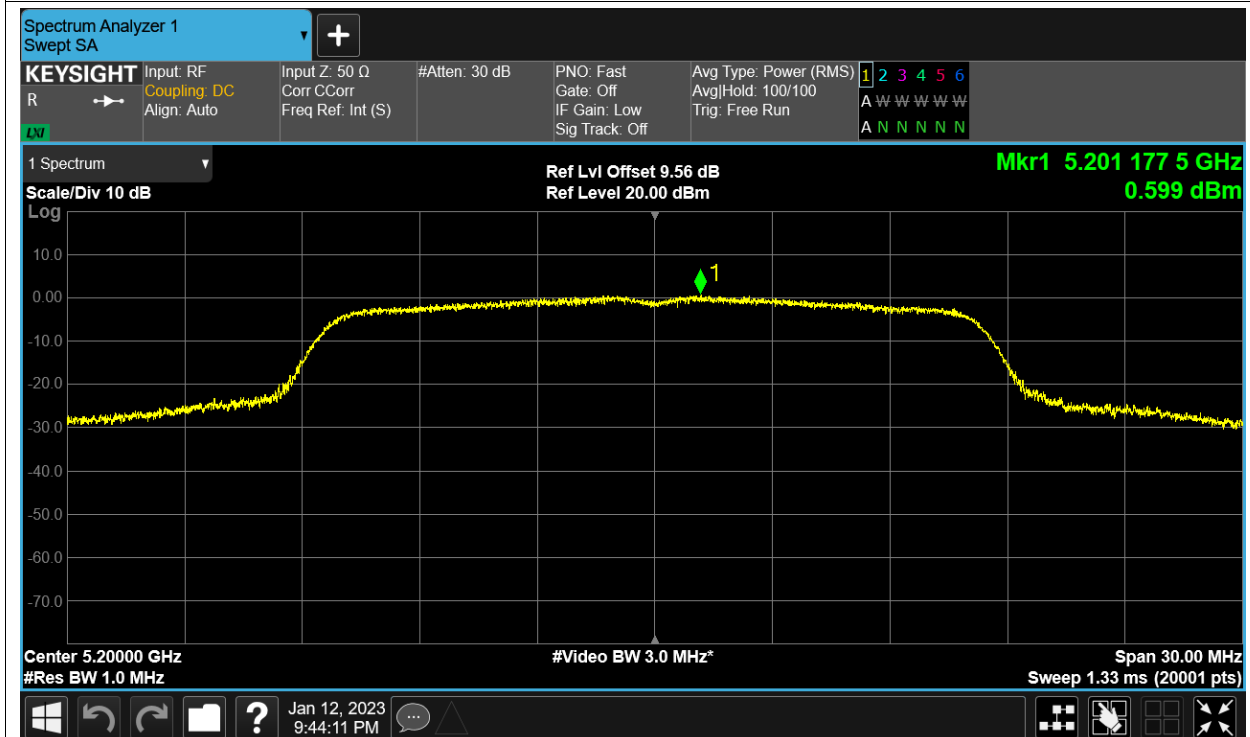
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.204	11	Pass
NVNT	a	5200	Ant1	0.599	11	Pass
NVNT	a	5240	Ant1	1.091	11	Pass
NVNT	ac20	5180	Ant1	-1.139	11	Pass
NVNT	ac20	5200	Ant1	-1.835	11	Pass
NVNT	ac20	5240	Ant1	-2.453	11	Pass
NVNT	ac40	5190	Ant1	-5.002	11	Pass
NVNT	ac40	5230	Ant1	-4.831	11	Pass
NVNT	n20	5180	Ant1	0.232	11	Pass
NVNT	n20	5200	Ant1	0.55	11	Pass
NVNT	n20	5240	Ant1	0.784	11	Pass
NVNT	n40	5190	Ant1	-10.366	11	Pass
NVNT	n40	5230	Ant1	-11.264	11	Pass

Test Graphs

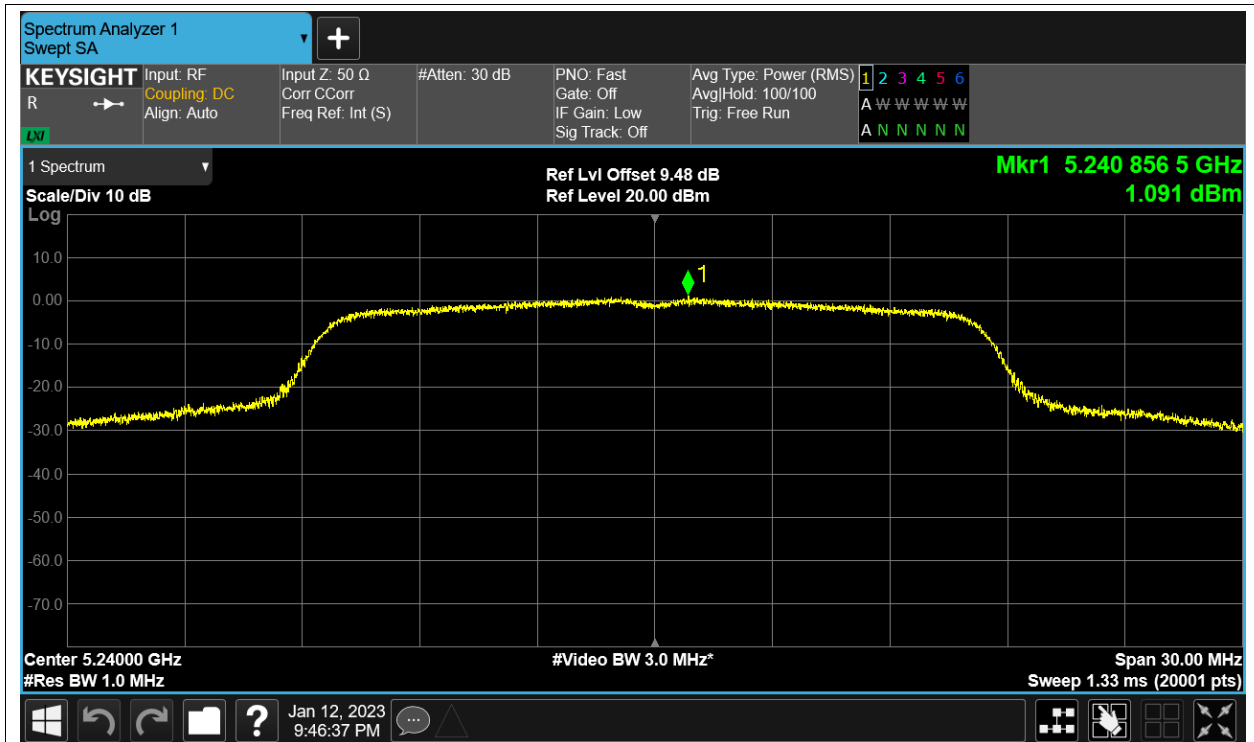
PSD NVNT a 5180MHz Ant1



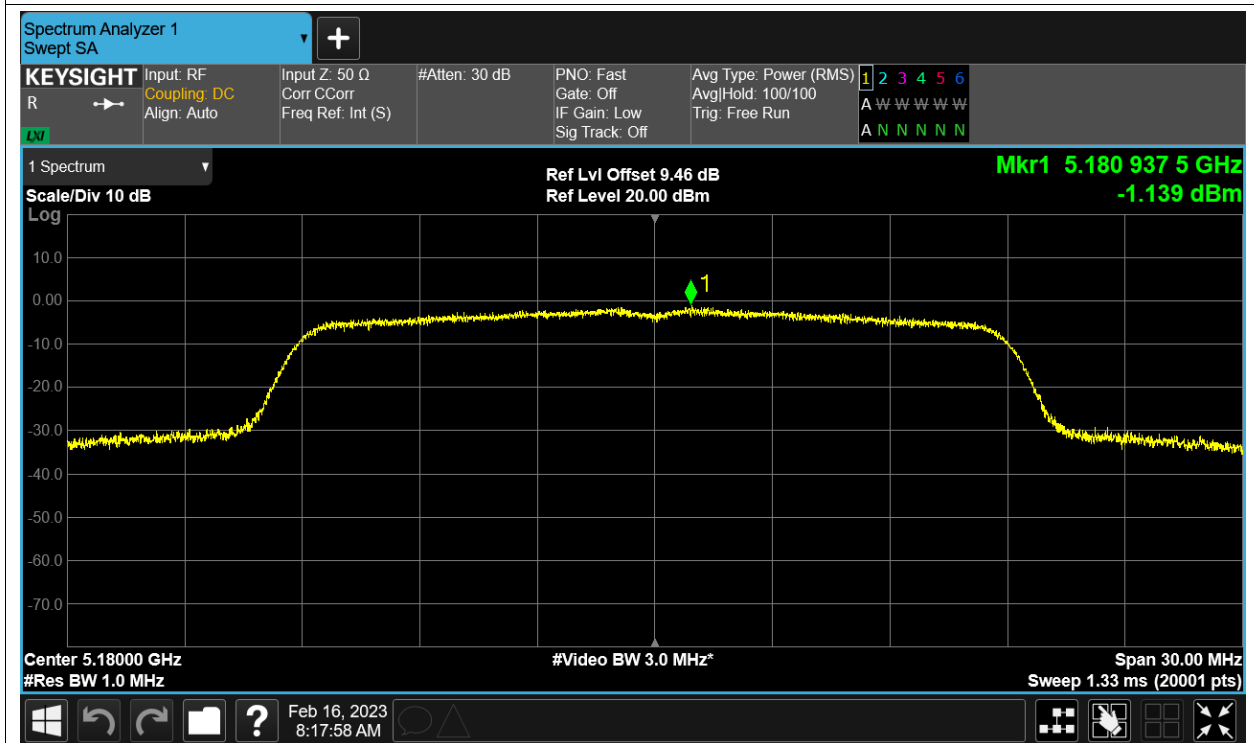
PSD NVNT a 5200MHz Ant1



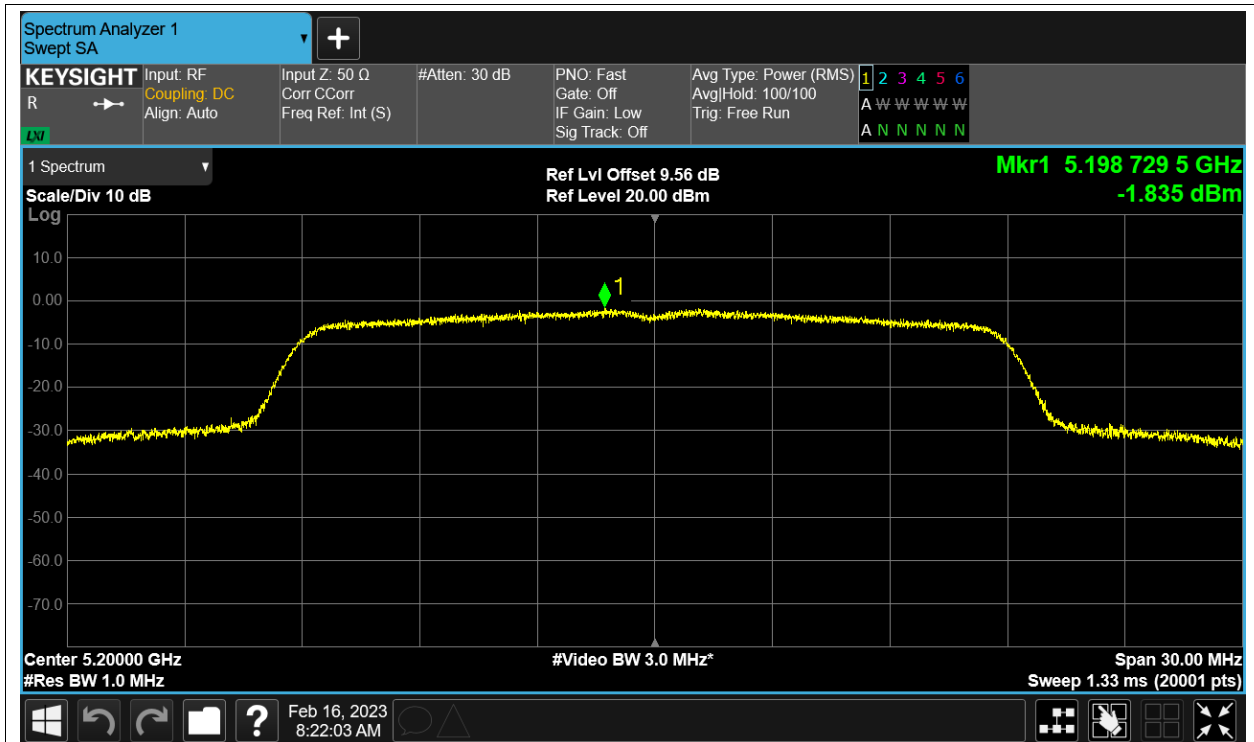
PSD NVNT a 5240MHz Ant1



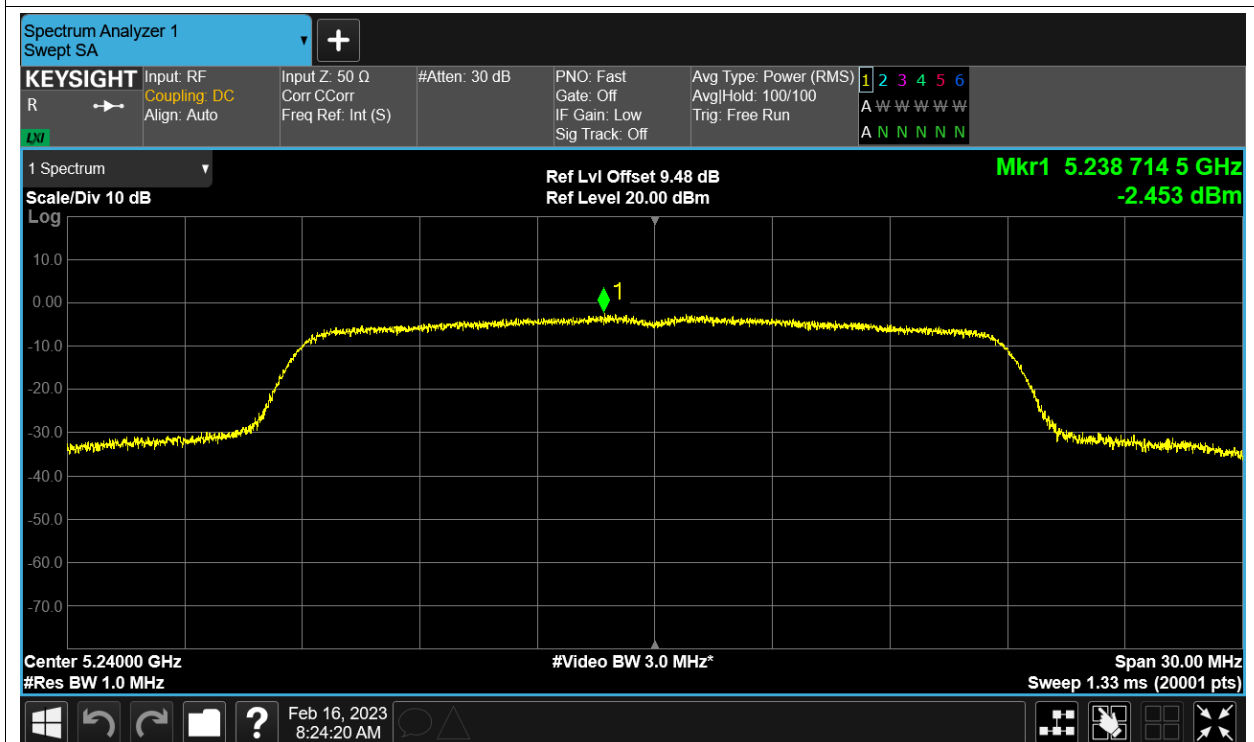
PSD NVNT ac20 5180MHz Ant1



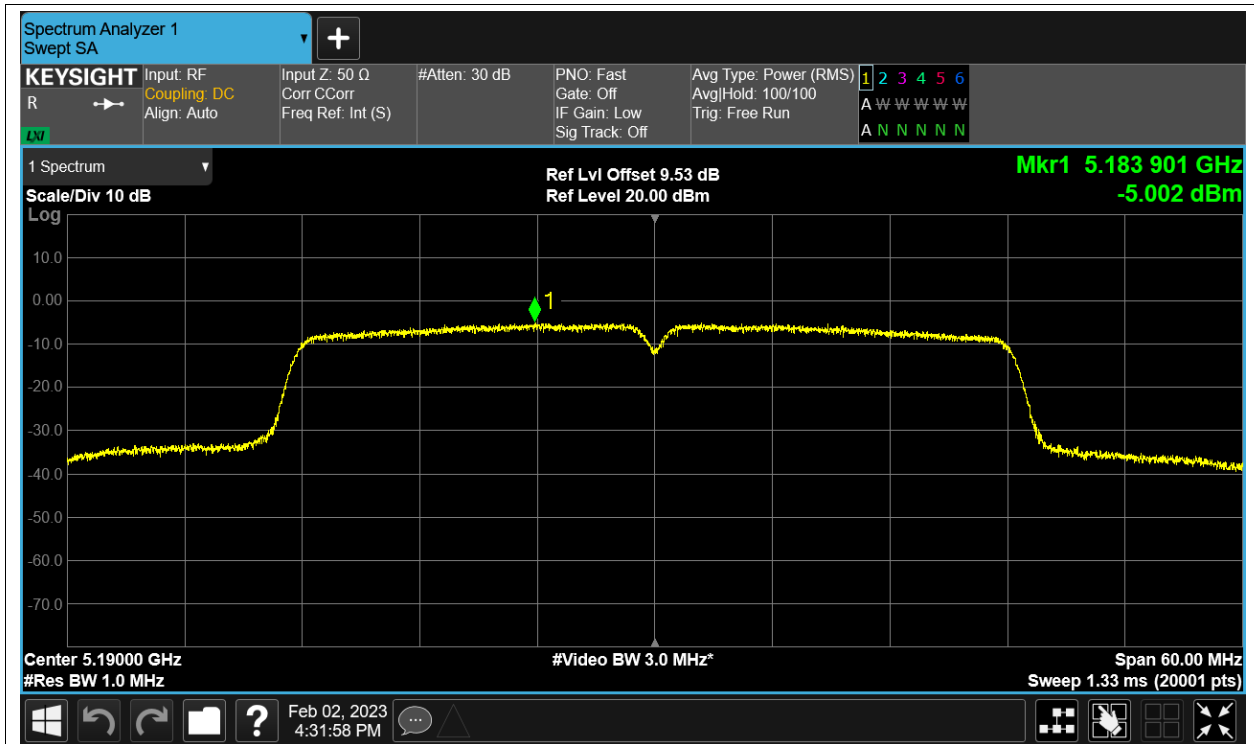
PSD NVNT ac20 5200MHz Ant1



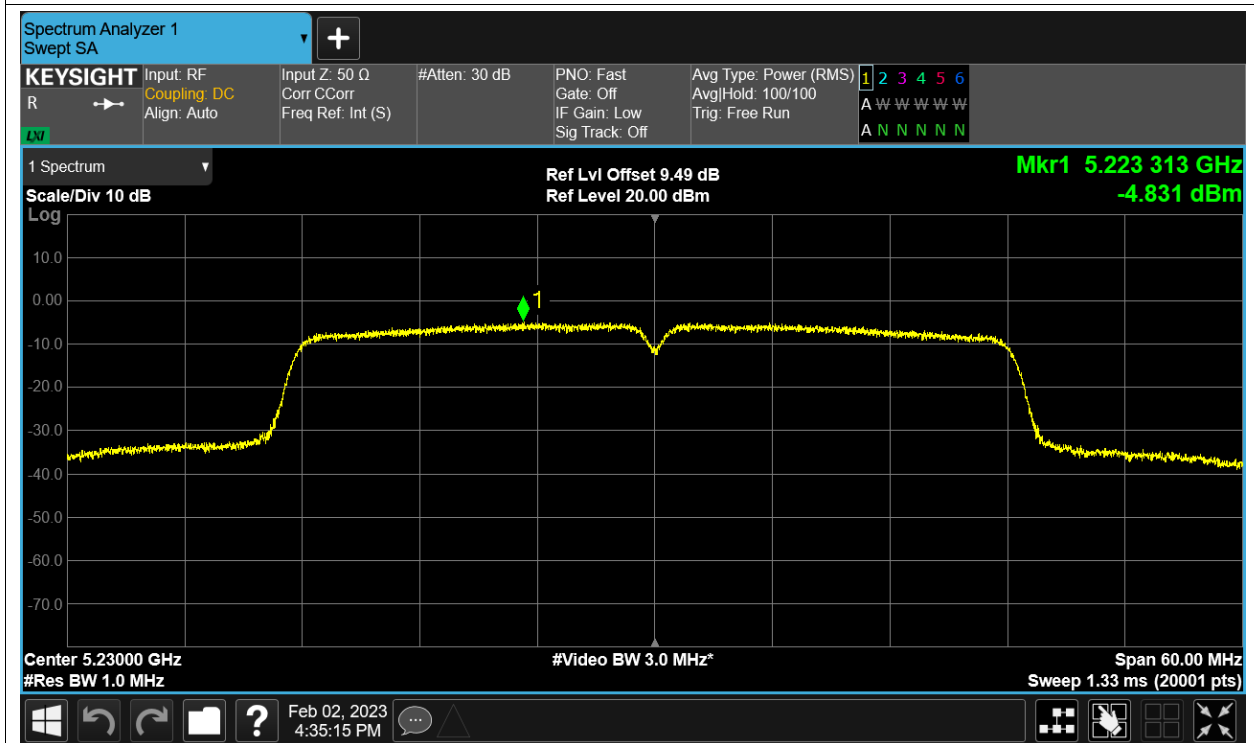
PSD NVNT ac20 5240MHz Ant1



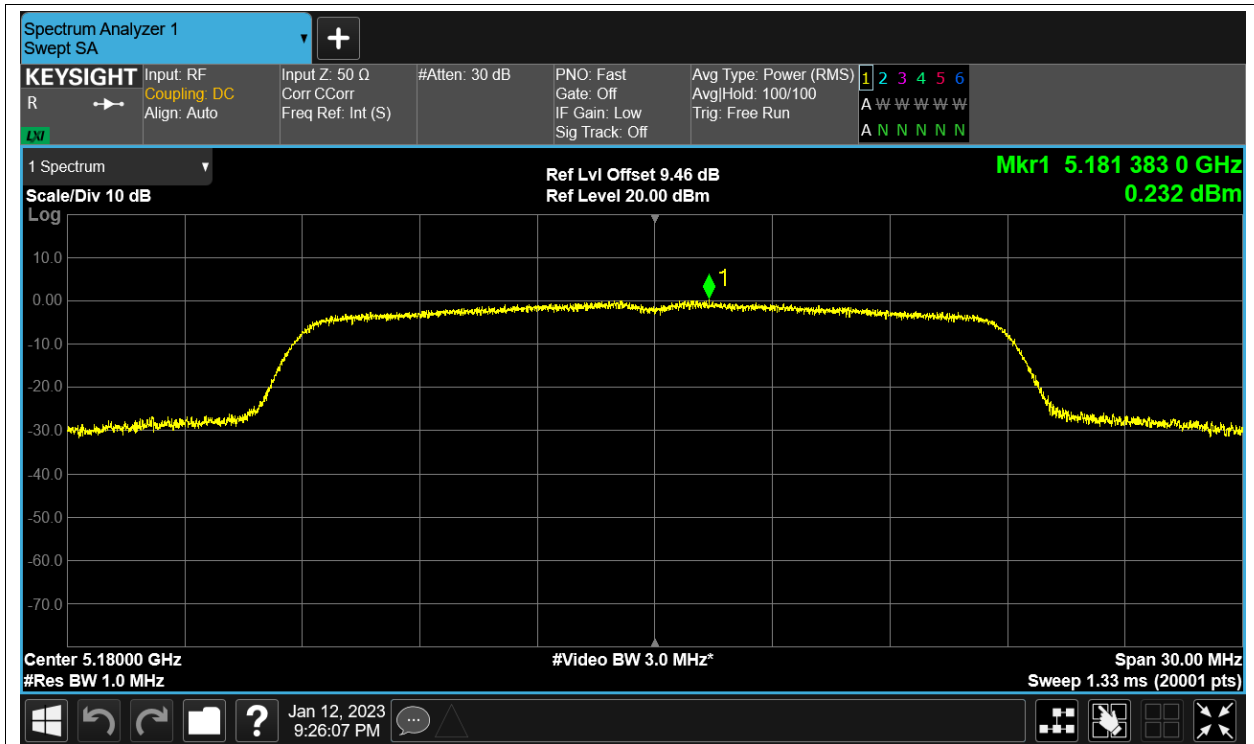
PSD NVNT ac40 5190MHz Ant1



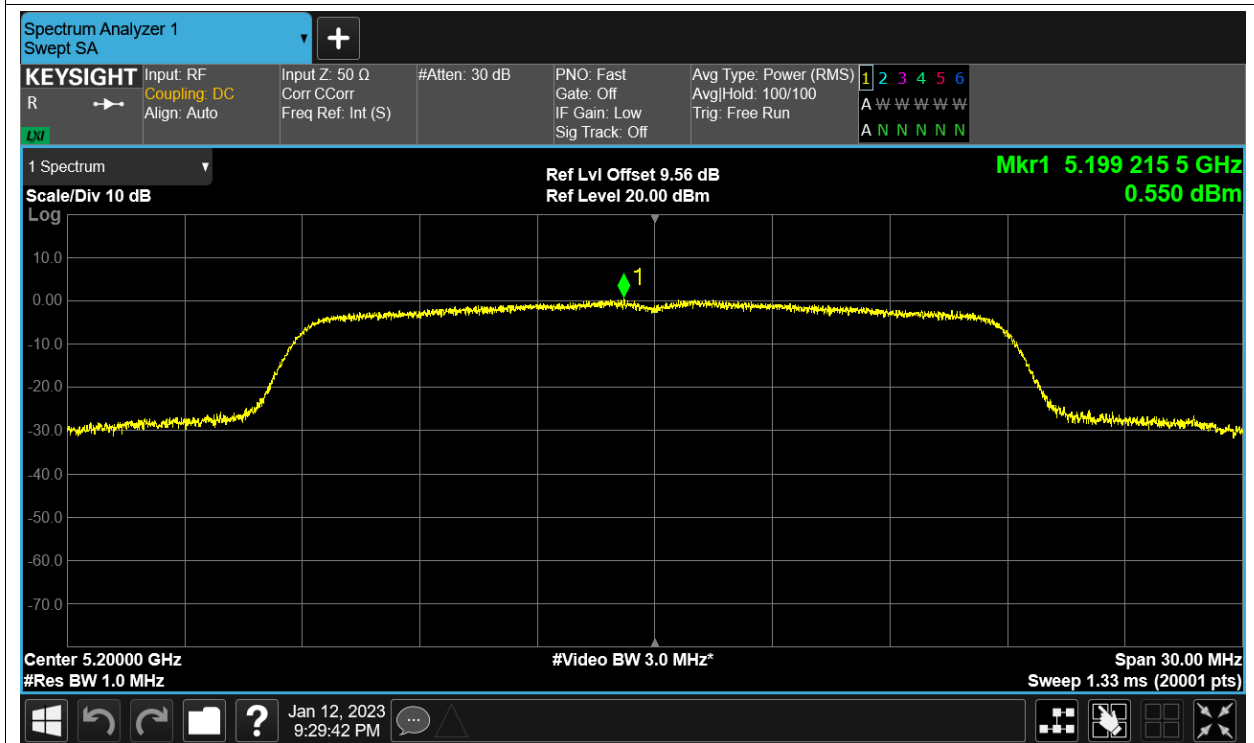
PSD NVNT ac40 5230MHz Ant1



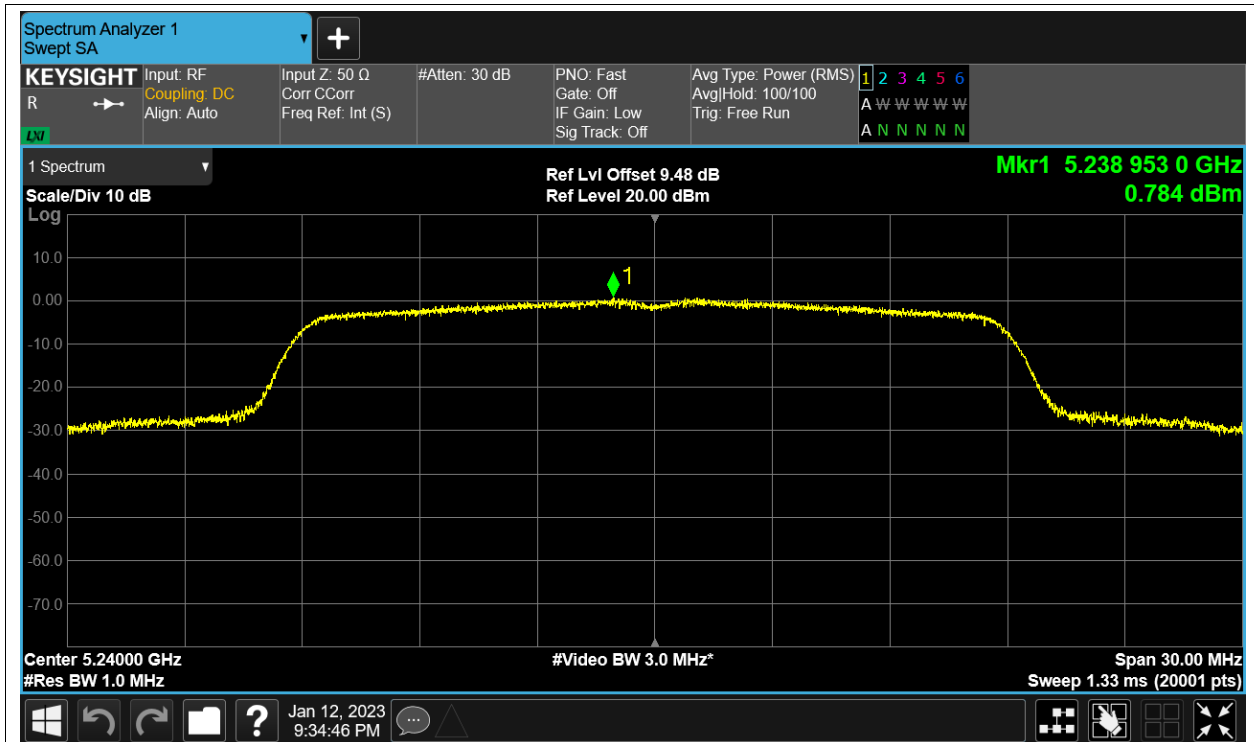
PSD NVNT n20 5180MHz Ant1



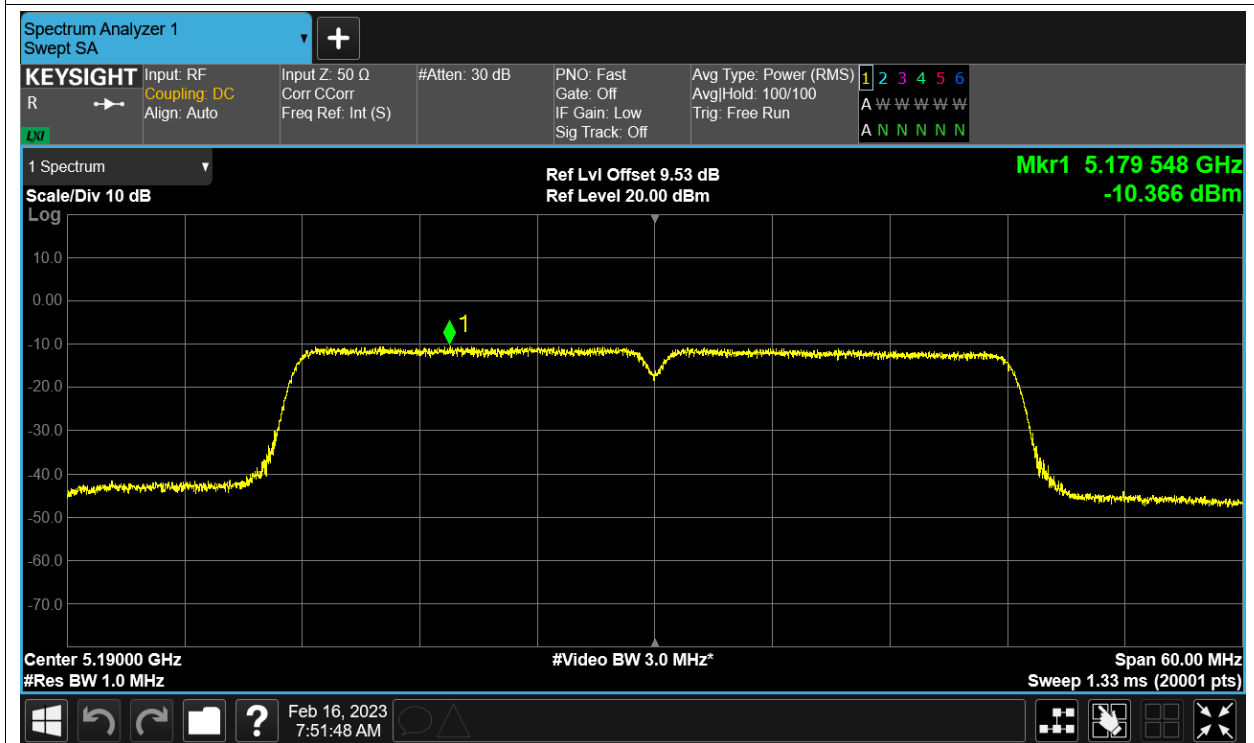
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

