

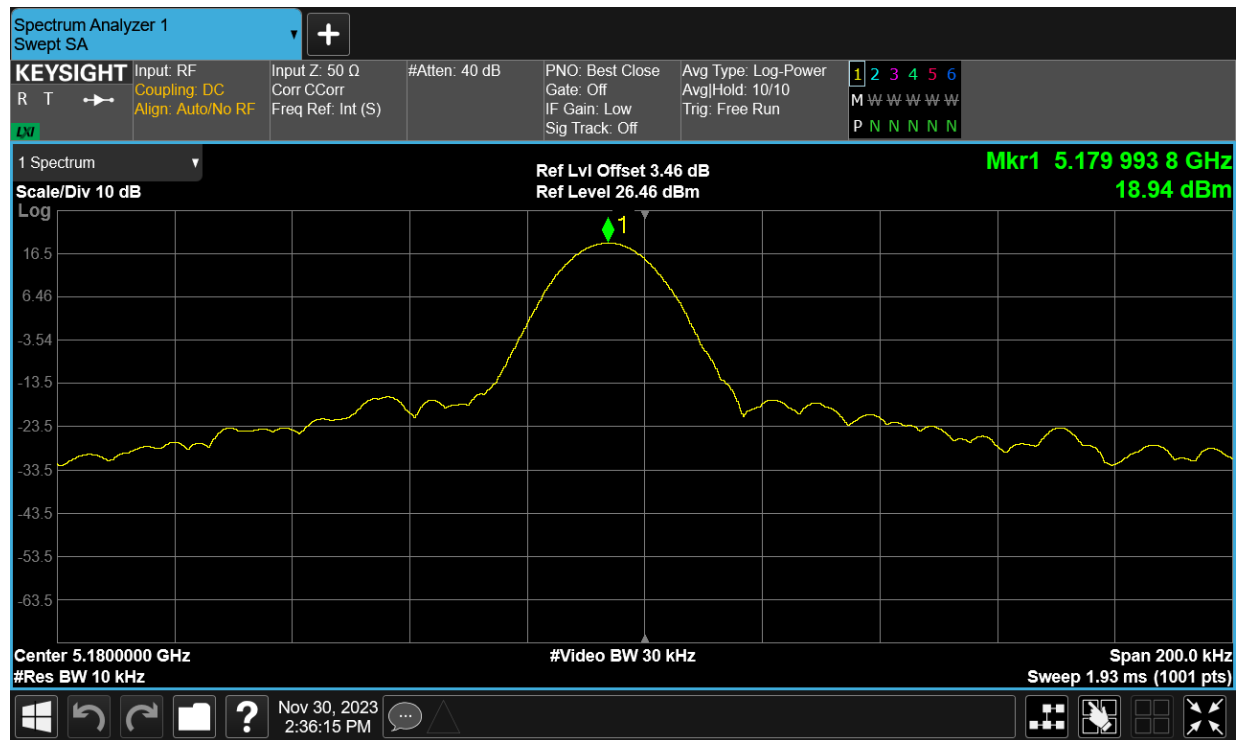
Test Data

Frequency Stability

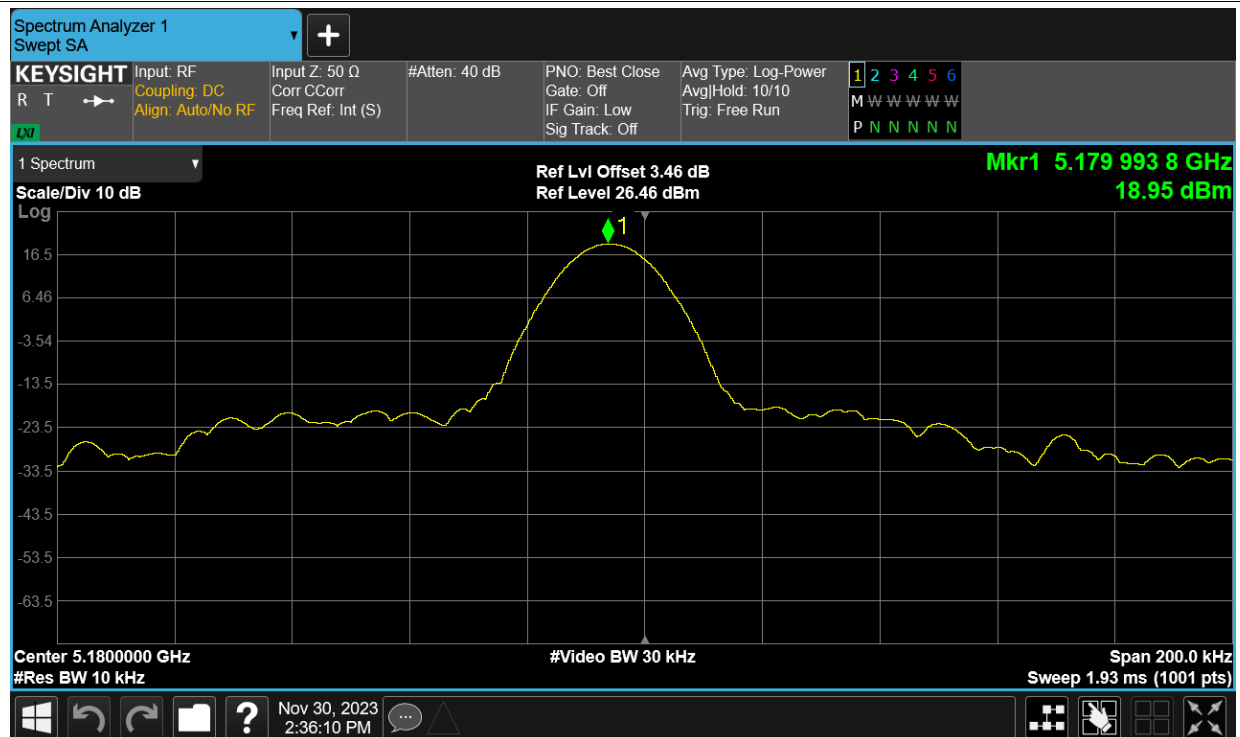
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant13	5179.9938	-1.2	Within authorized band	Pass
LVNT	a	5180	Ant13	5179.9938	-1.2		Pass
NVHT	a	5180	Ant13	5179.994	-1.16		Pass
NVLT	a	5180	Ant13	5179.9942	-1.12		Pass
NVNT	a	5180	Ant13	5179.9944	-1.08		Pass
HVNT	ac80	5210	Ant13	5209.989	-2.11		Pass
LVNT	ac80	5210	Ant13	5209.989	-2.11		Pass
NVHT	ac80	5210	Ant13	5209.9892	-2.07		Pass
NVLT	ac80	5210	Ant13	5209.9894	-2.03		Pass
NVNT	ac80	5210	Ant13	5209.9899	-1.93		Pass
HVNT	n40	5190	Ant13	5189.989	-2.12		Pass
LVNT	n40	5190	Ant13	5189.9892	-2.08		Pass
NVHT	n40	5190	Ant13	5189.9892	-2.08		Pass
NVLT	n40	5190	Ant13	5189.9894	-2.04		Pass
NVNT	n40	5190	Ant13	5189.9898	-1.97		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

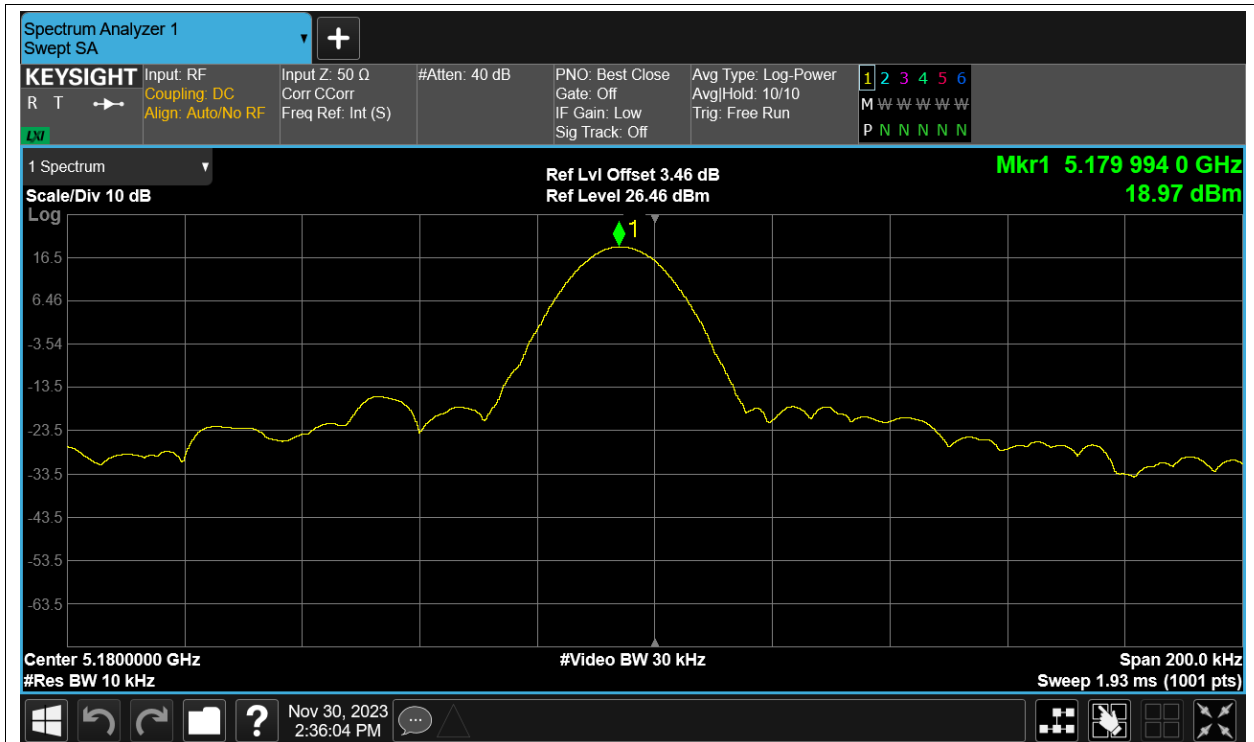
Freq. Stability HVNT a 5180MHz Ant13



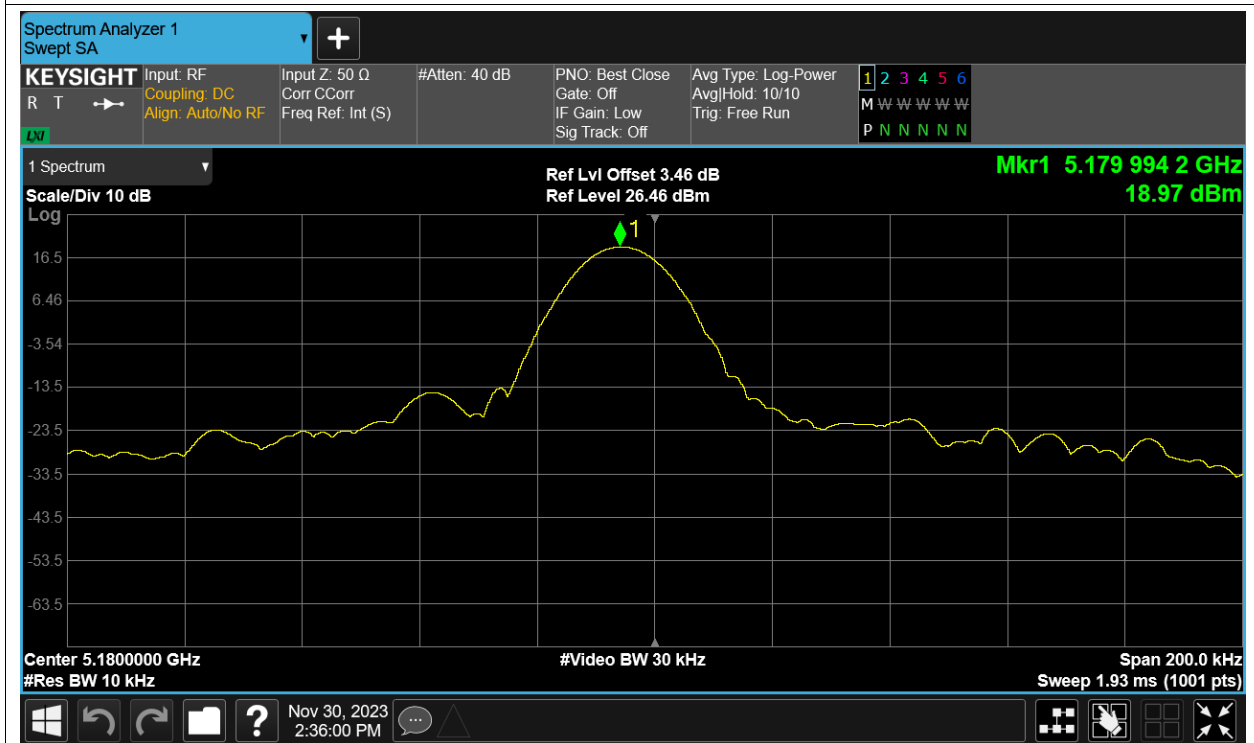
Freq. Stability LVNT a 5180MHz Ant13



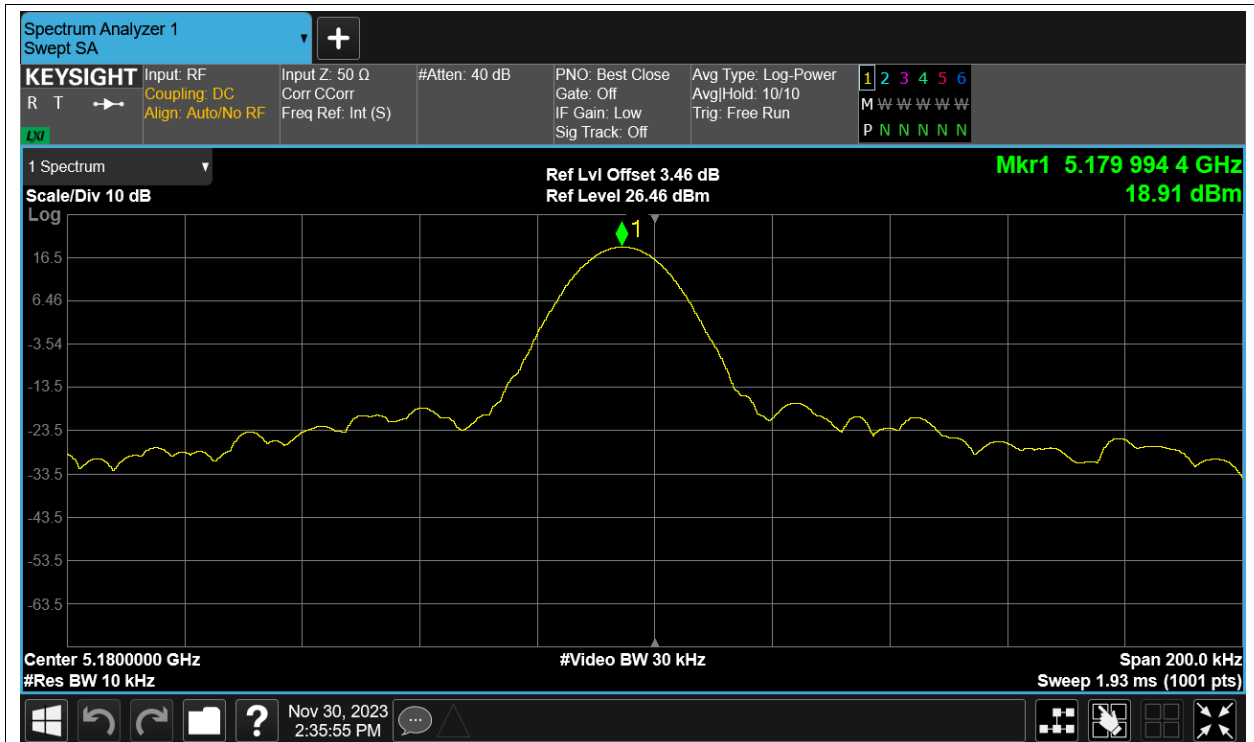
Freq. Stability NVHT a 5180MHz Ant13



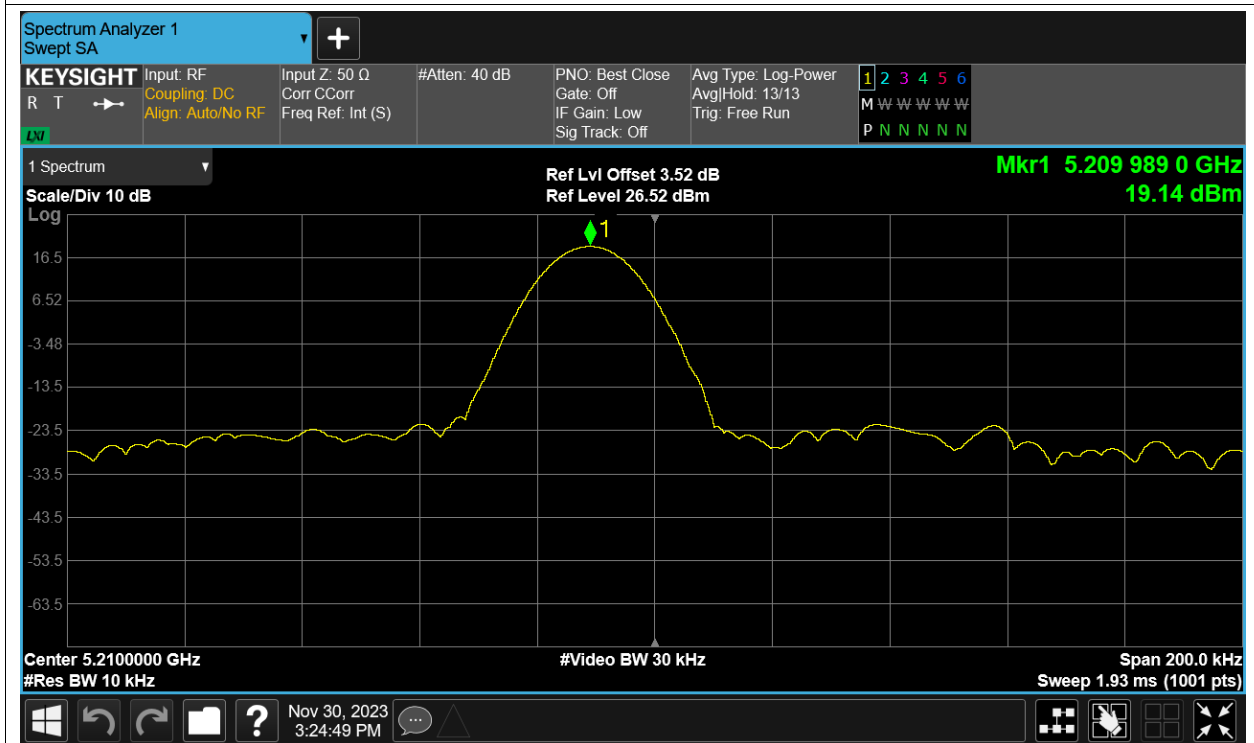
Freq. Stability NVLT a 5180MHz Ant13



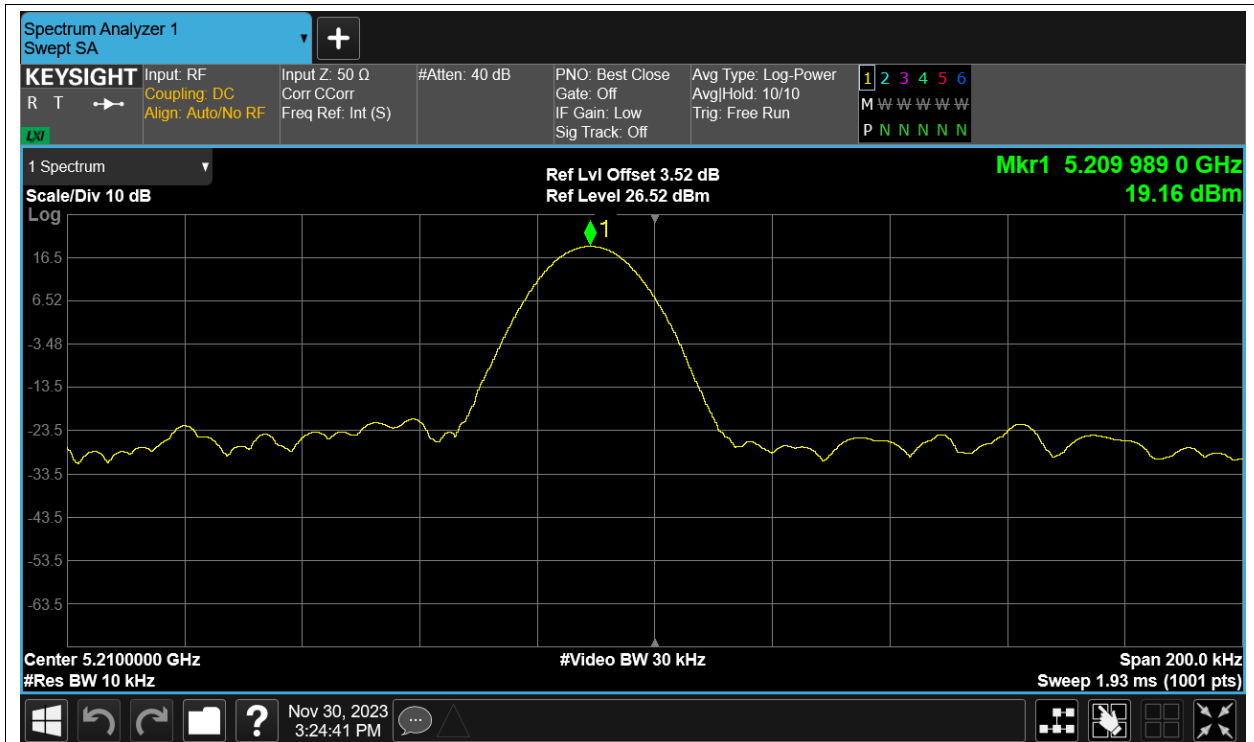
Freq. Stability NVNT a 5180MHz Ant13



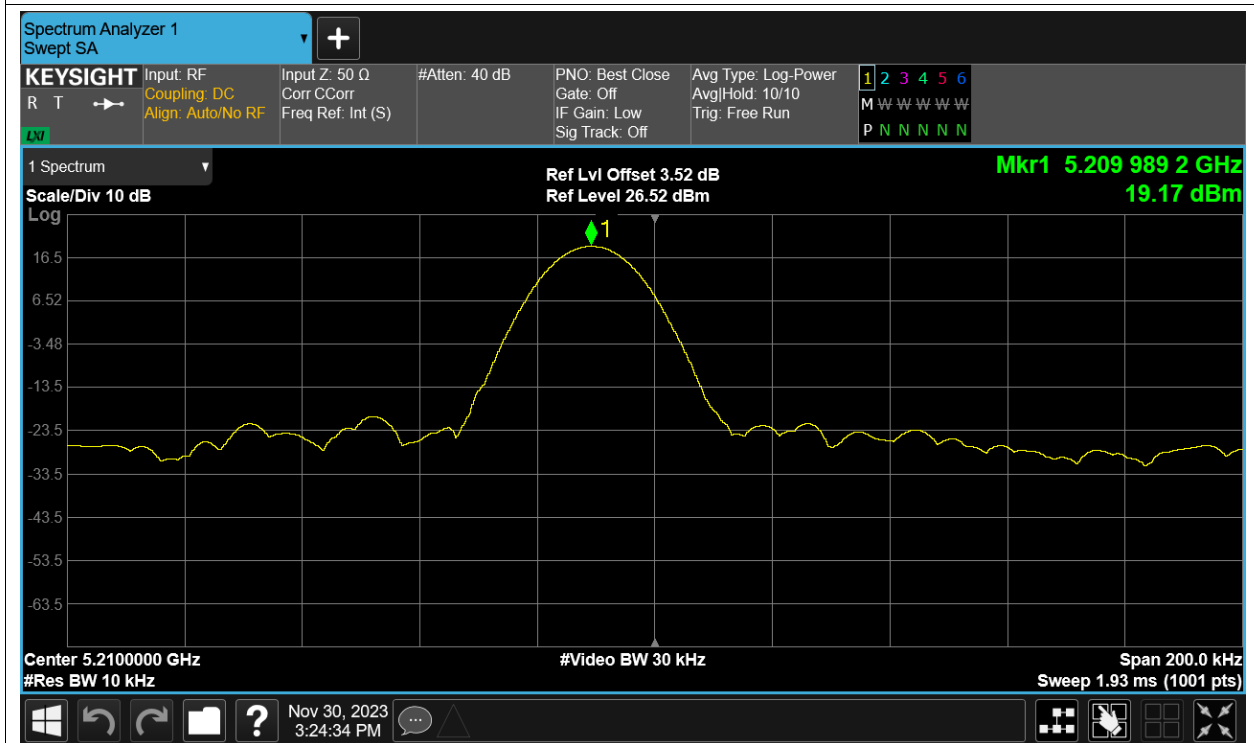
Freq. Stability HVNT ac80 5210MHz Ant13



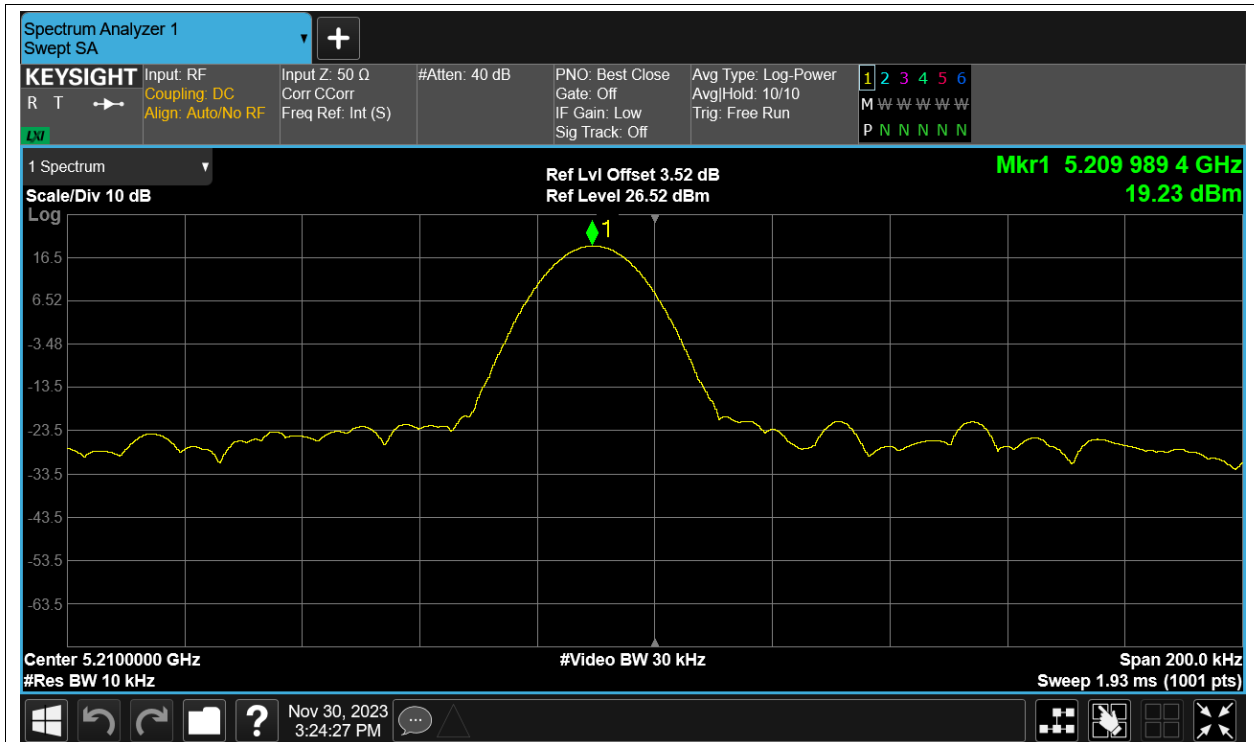
Freq. Stability LVNT ac80 5210MHz Ant13



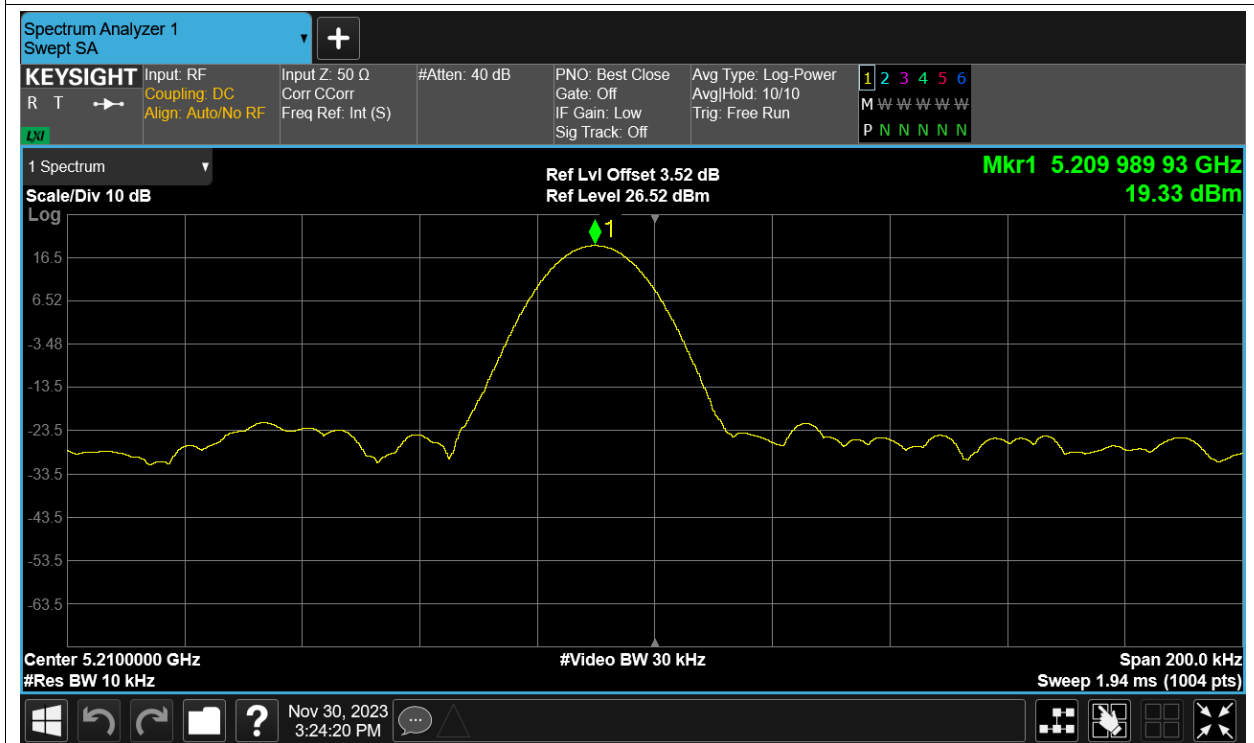
Freq. Stability NVHT ac80 5210MHz Ant13



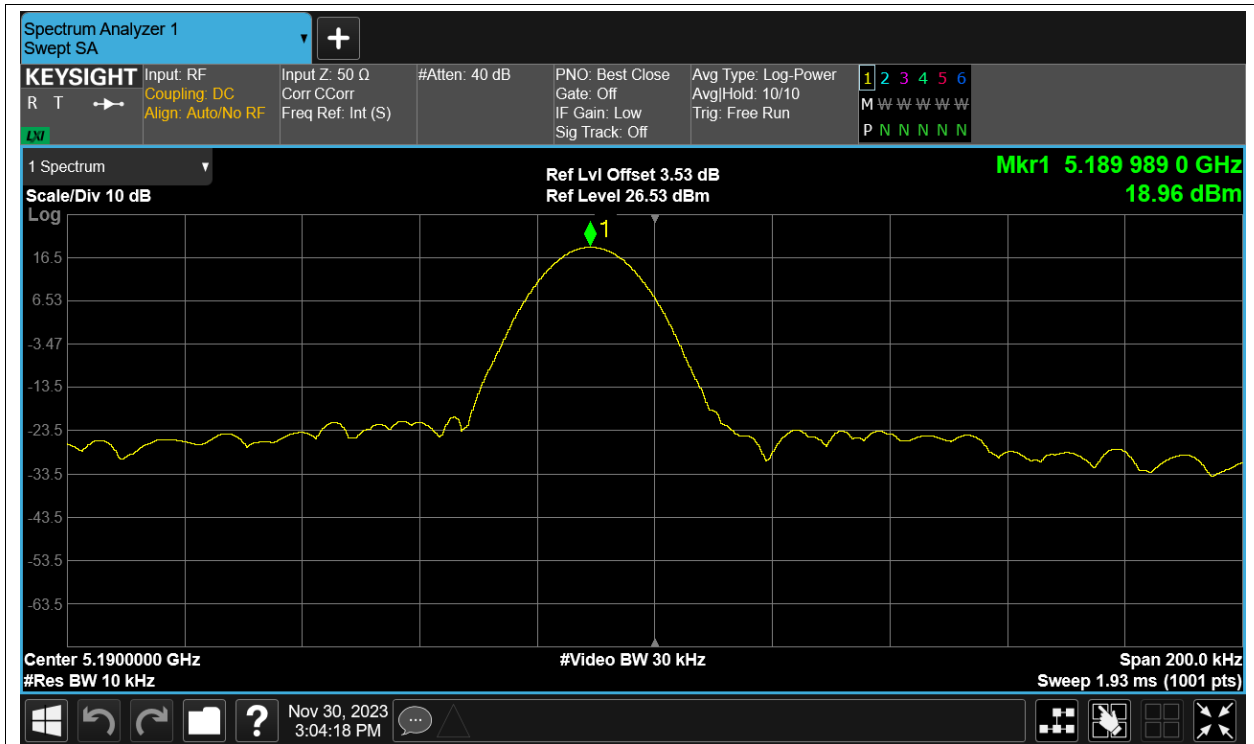
Freq. Stability NVLT ac80 5210MHz Ant13



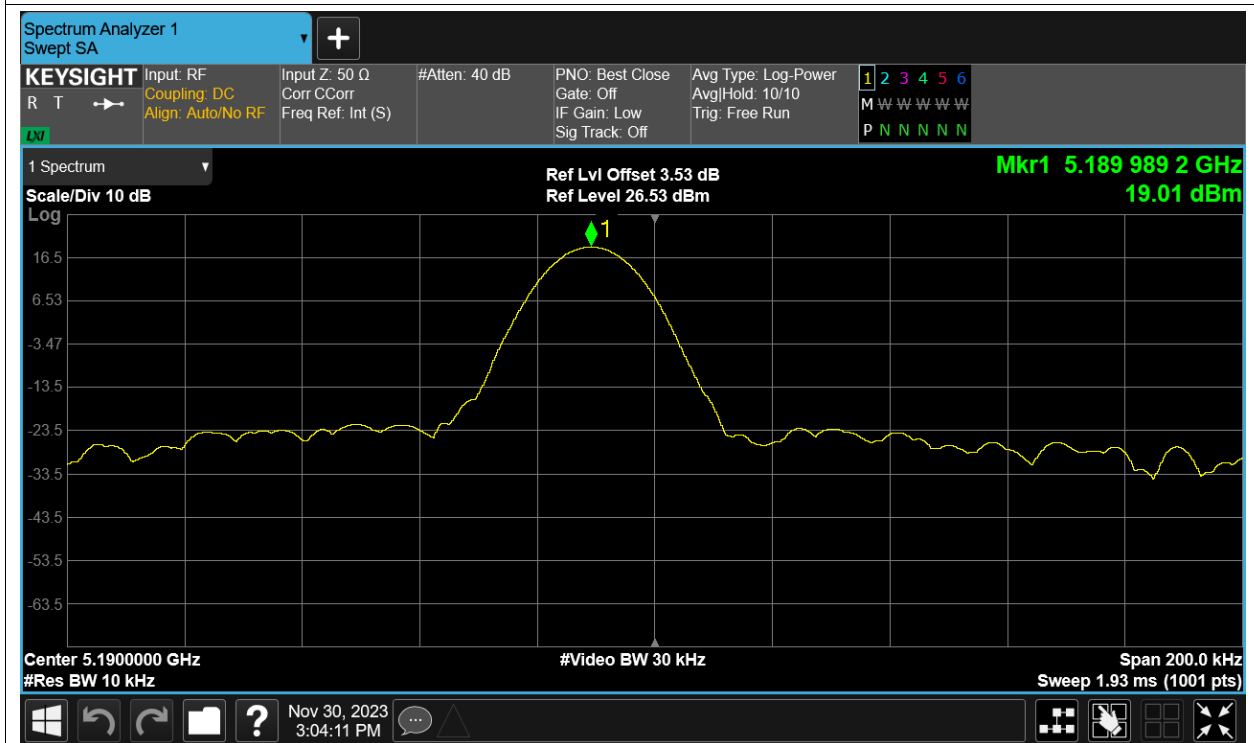
Freq. Stability NVNT ac80 5210MHz Ant13



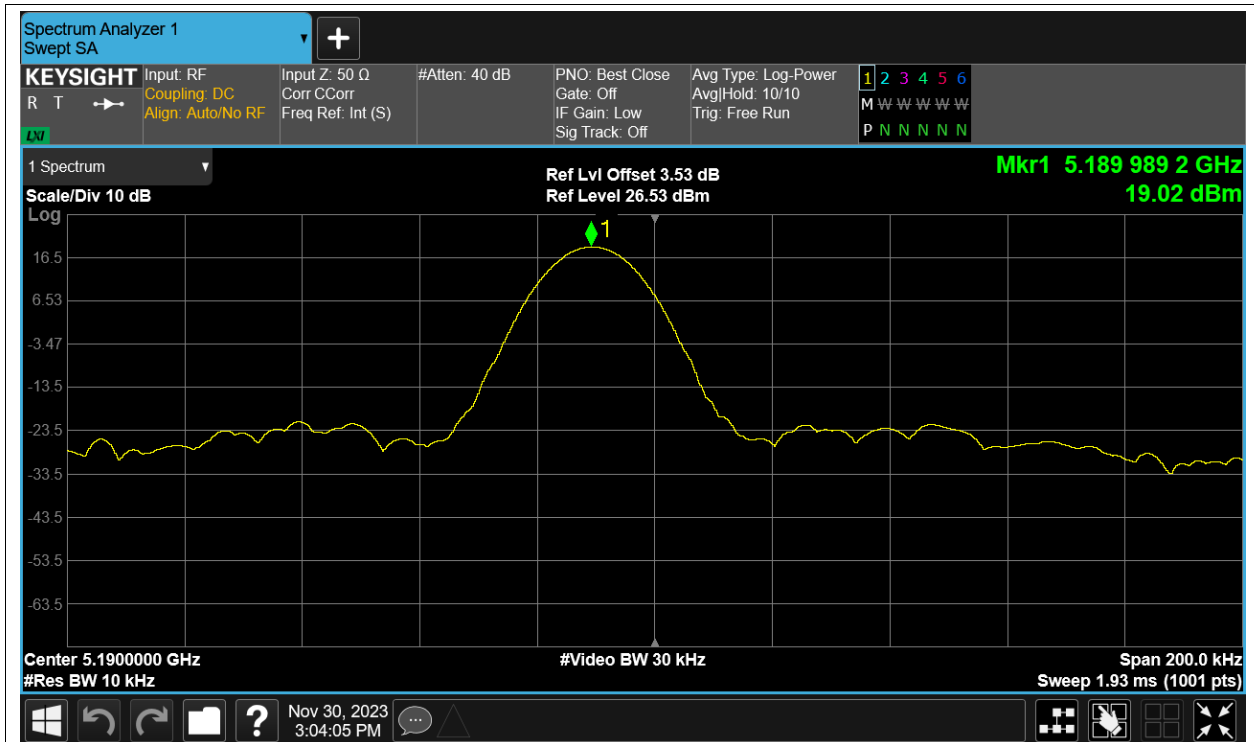
Freq. Stability HVNT n40 5190MHz Ant13



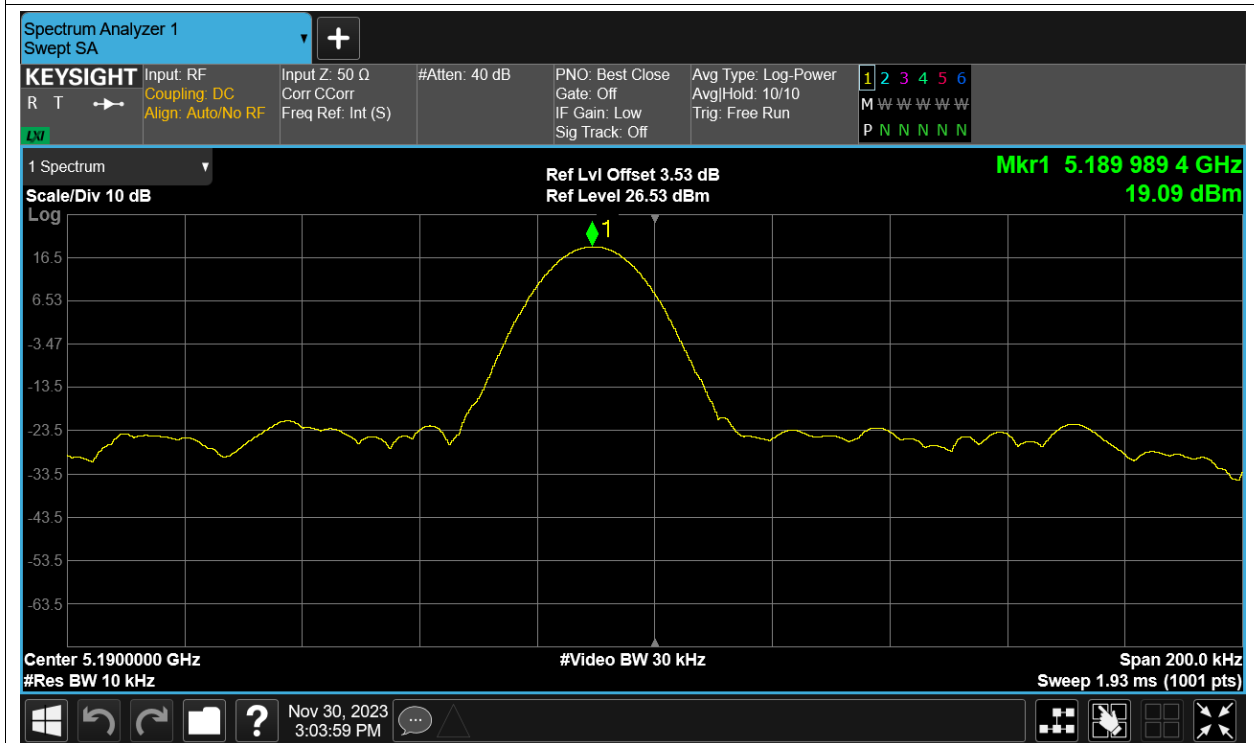
Freq. Stability LVNT n40 5190MHz Ant13



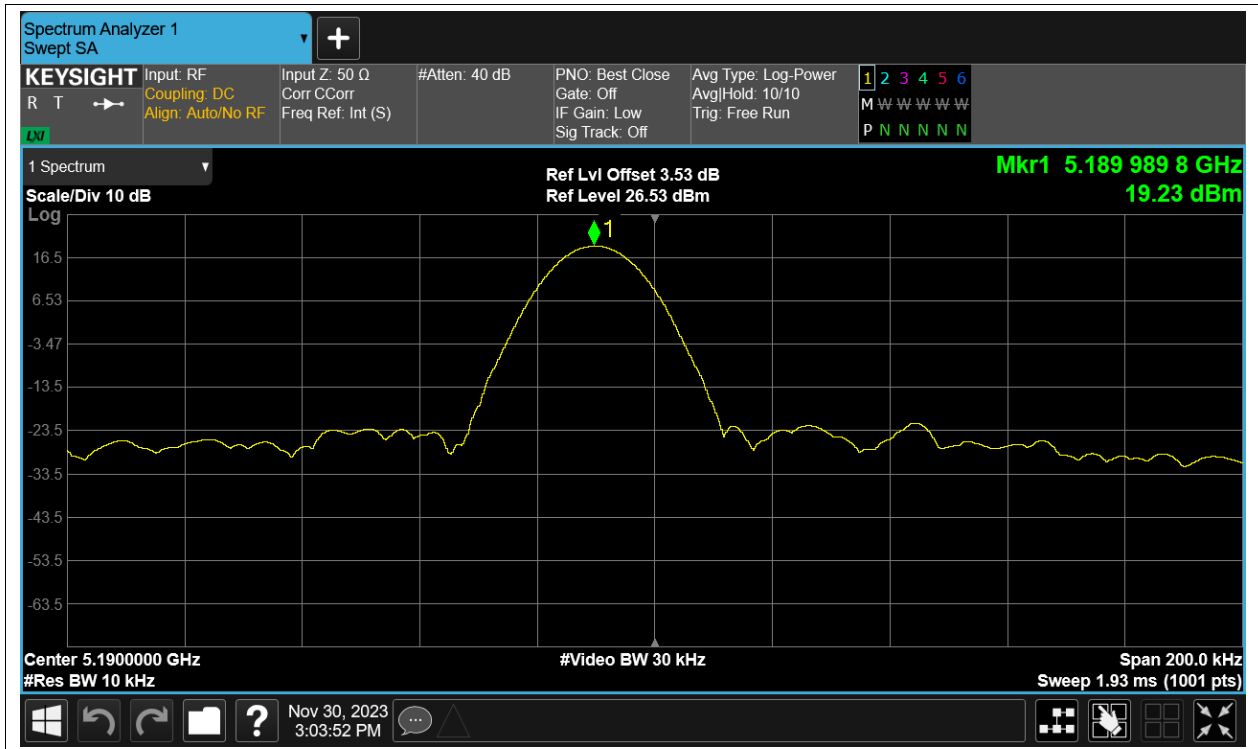
Freq. Stability NVHT n40 5190MHz Ant13



Freq. Stability NVLT n40 5190MHz Ant13



Freq. Stability NVNT n40 5190MHz Ant13

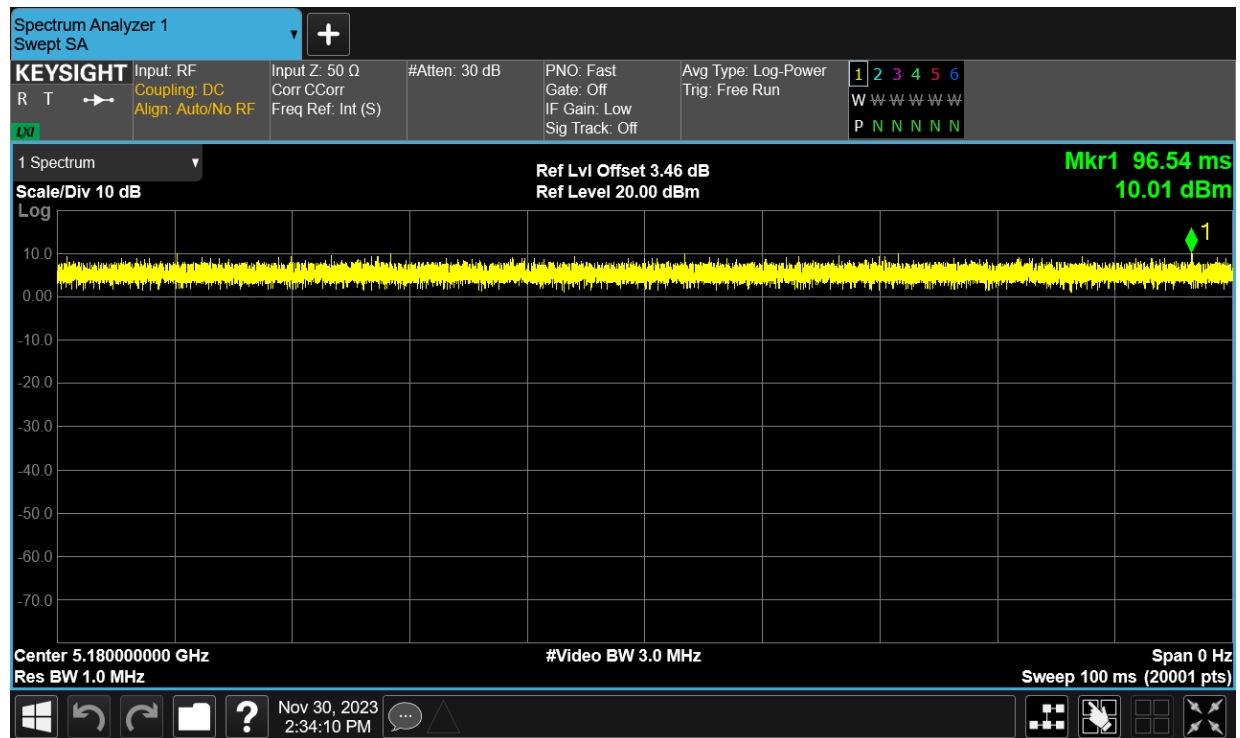


Duty Cycle

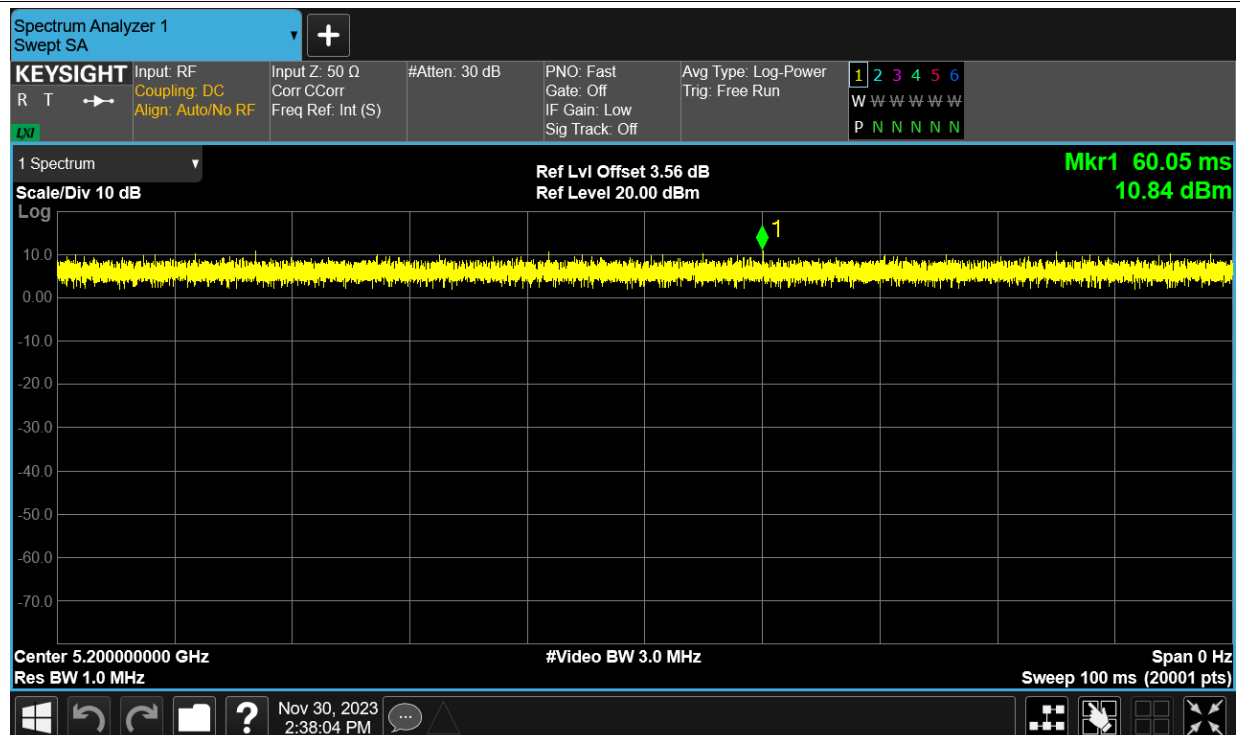
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant13	100	0
NVNT	a	5200	Ant13	100	0
NVNT	a	5240	Ant13	100	0
NVNT	ac20	5180	Ant13	100	0
NVNT	ac20	5200	Ant13	100	0
NVNT	ac20	5240	Ant13	100	0
NVNT	ac40	5190	Ant13	100	0
NVNT	ac40	5230	Ant13	100	0
NVNT	ac80	5210	Ant13	100	0
NVNT	n20	5180	Ant13	100	0
NVNT	n20	5200	Ant13	100	0
NVNT	n20	5240	Ant13	100	0
NVNT	n40	5190	Ant13	100	0
NVNT	n40	5230	Ant13	100	0

Test Graphs

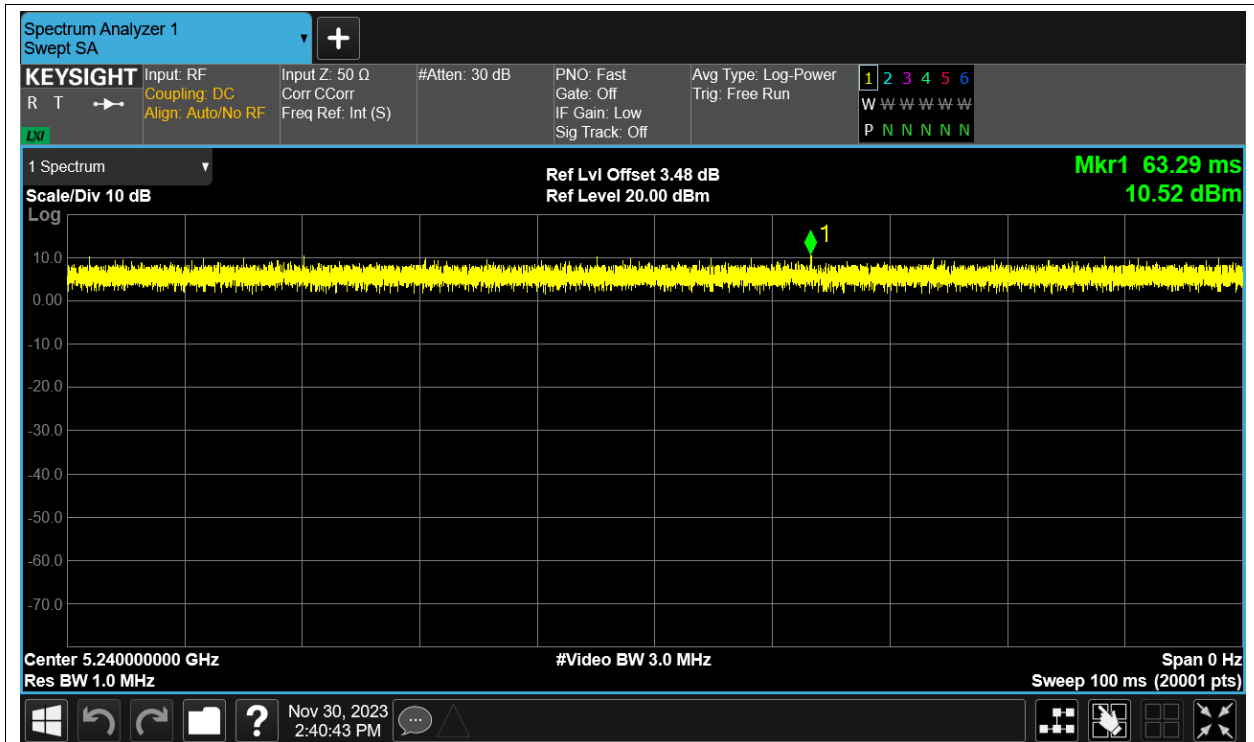
Duty Cycle NVNT a 5180MHz Ant13



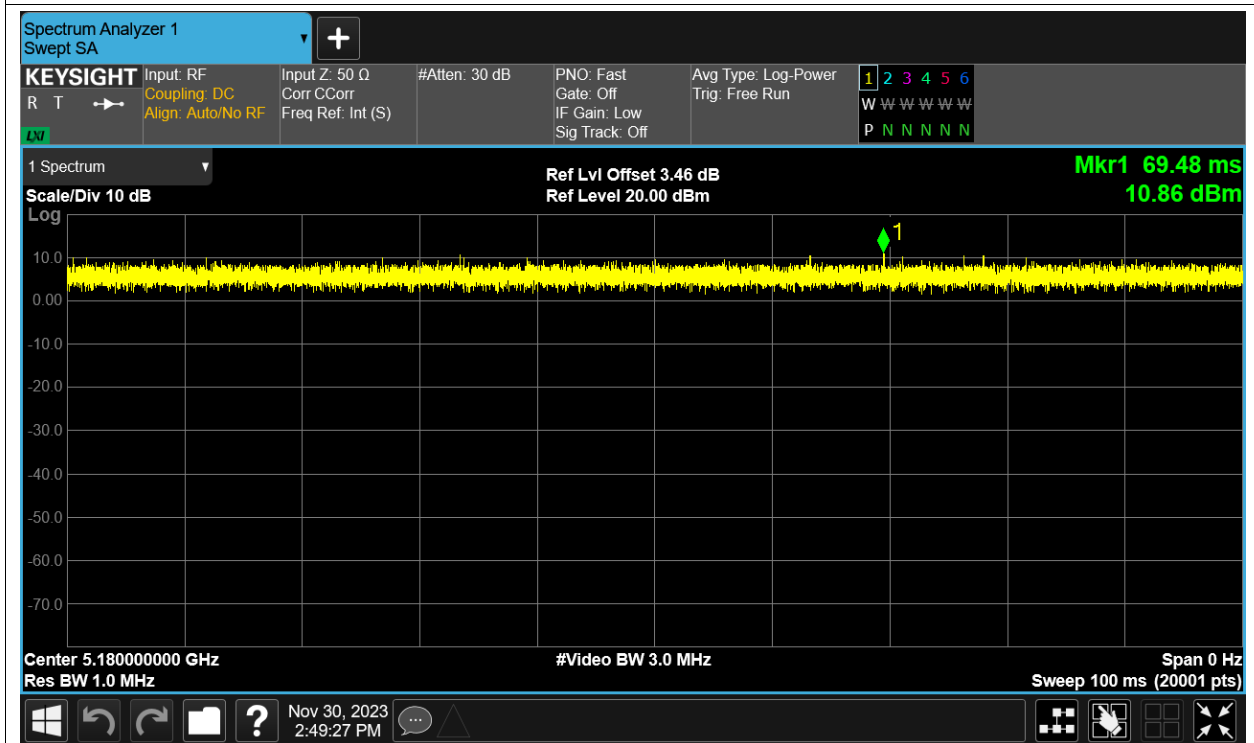
Duty Cycle NVNT a 5200MHz Ant13



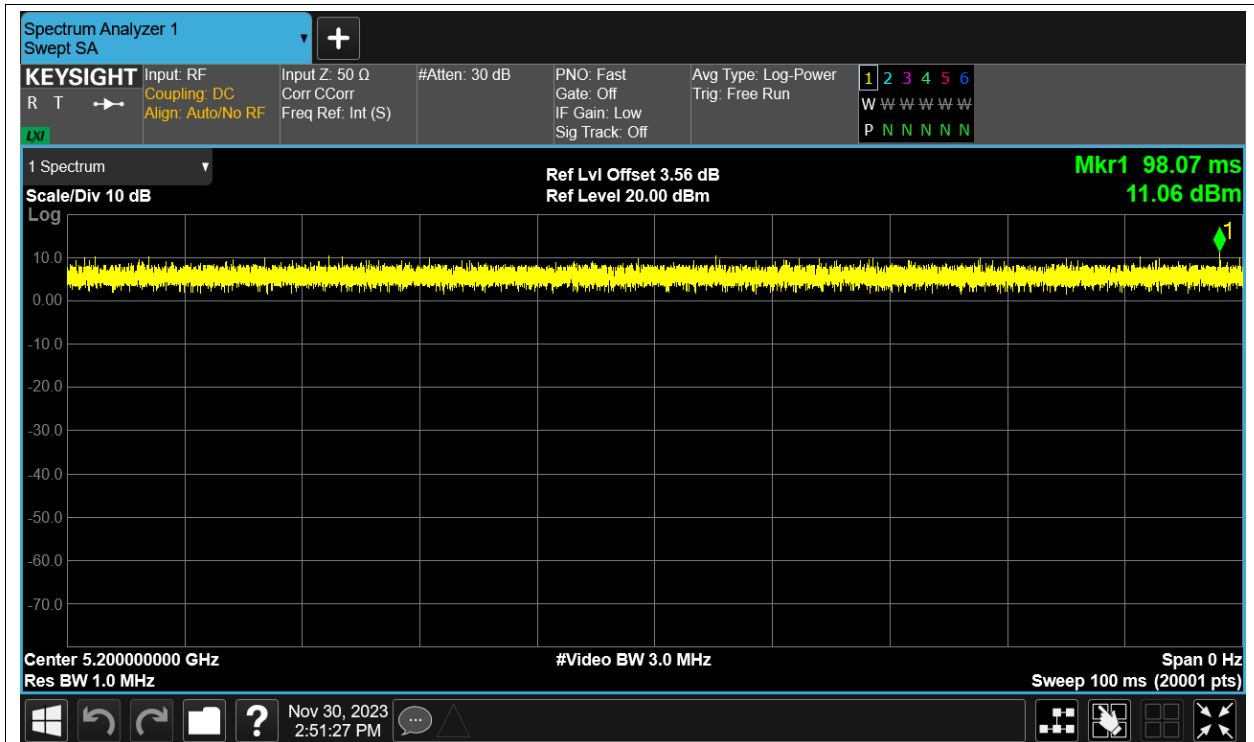
Duty Cycle NVNT a 5240MHz Ant13



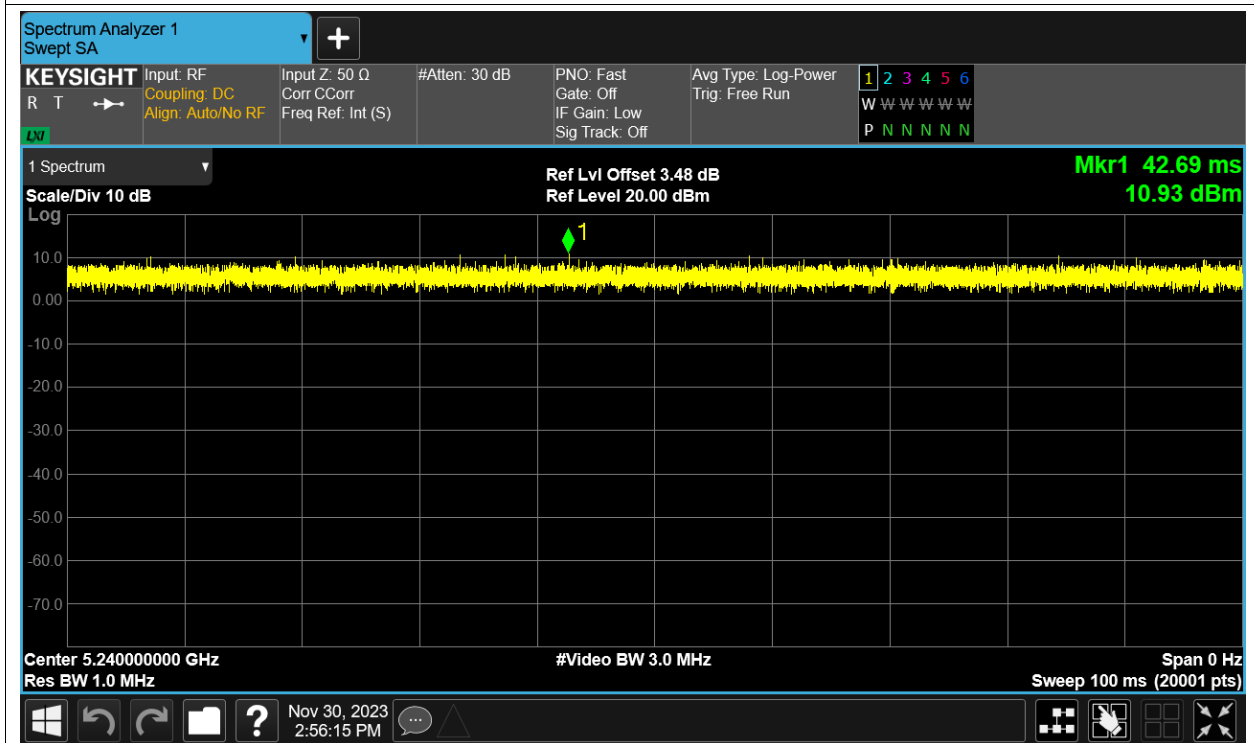
Duty Cycle NVNT ac20 5180MHz Ant13



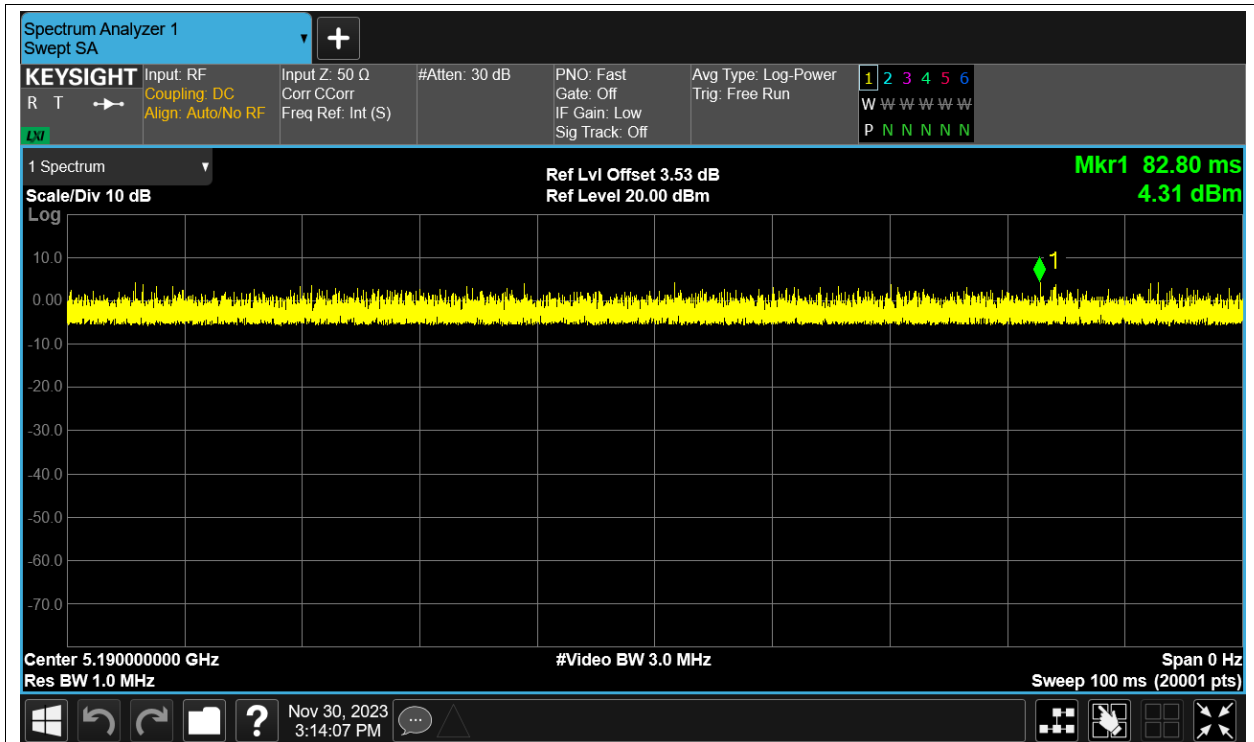
Duty Cycle NVNT ac20 5200MHz Ant13



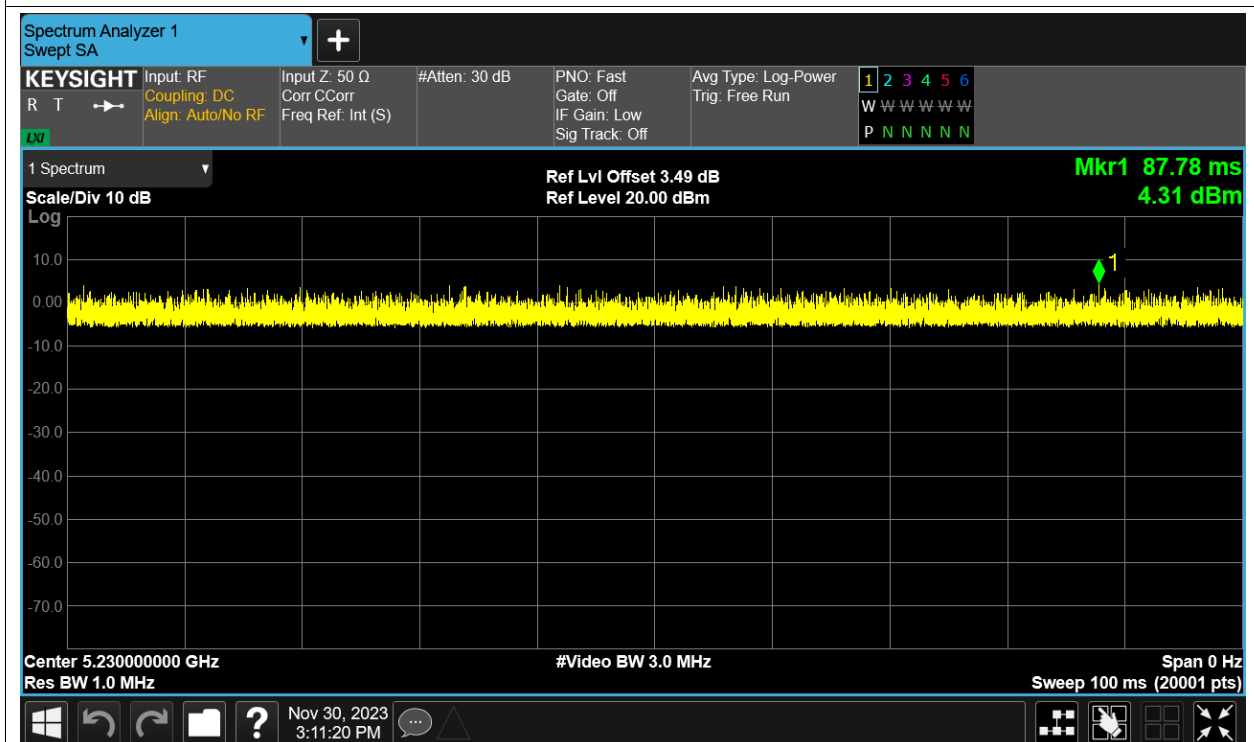
Duty Cycle NVNT ac20 5240MHz Ant13



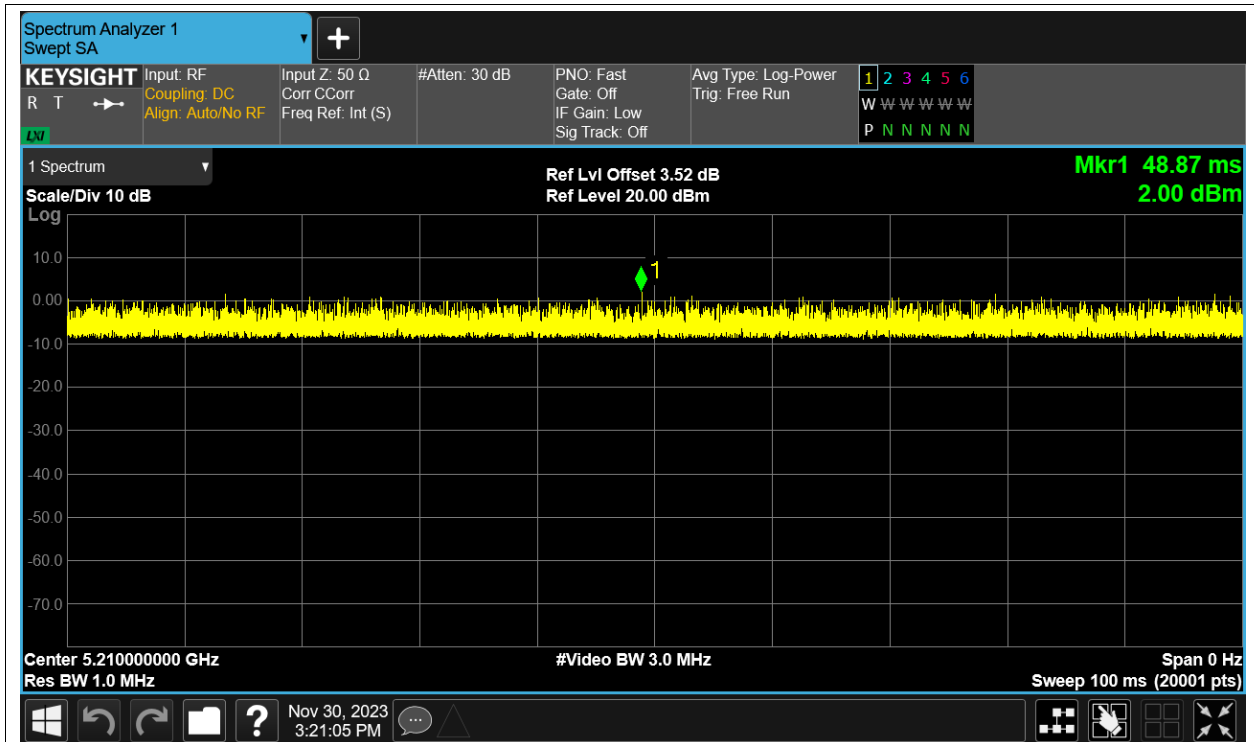
Duty Cycle NVNT ac40 5190MHz Ant13



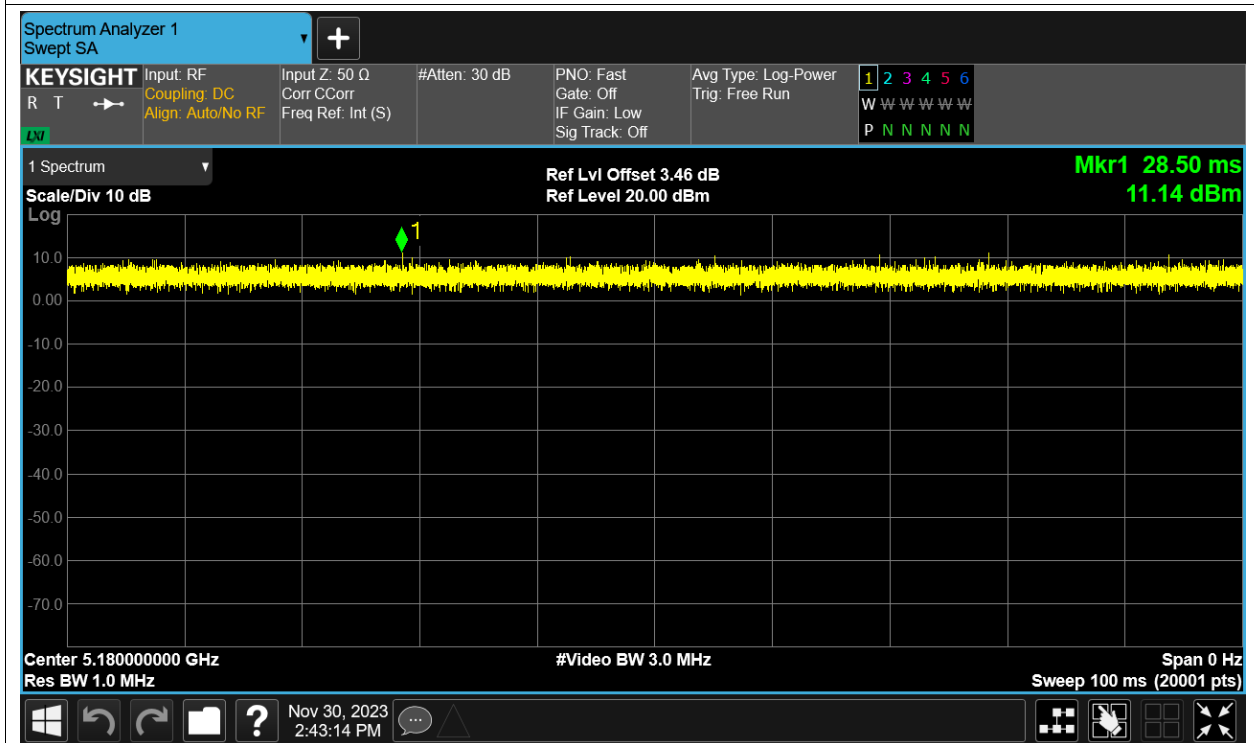
Duty Cycle NVNT ac40 5230MHz Ant13



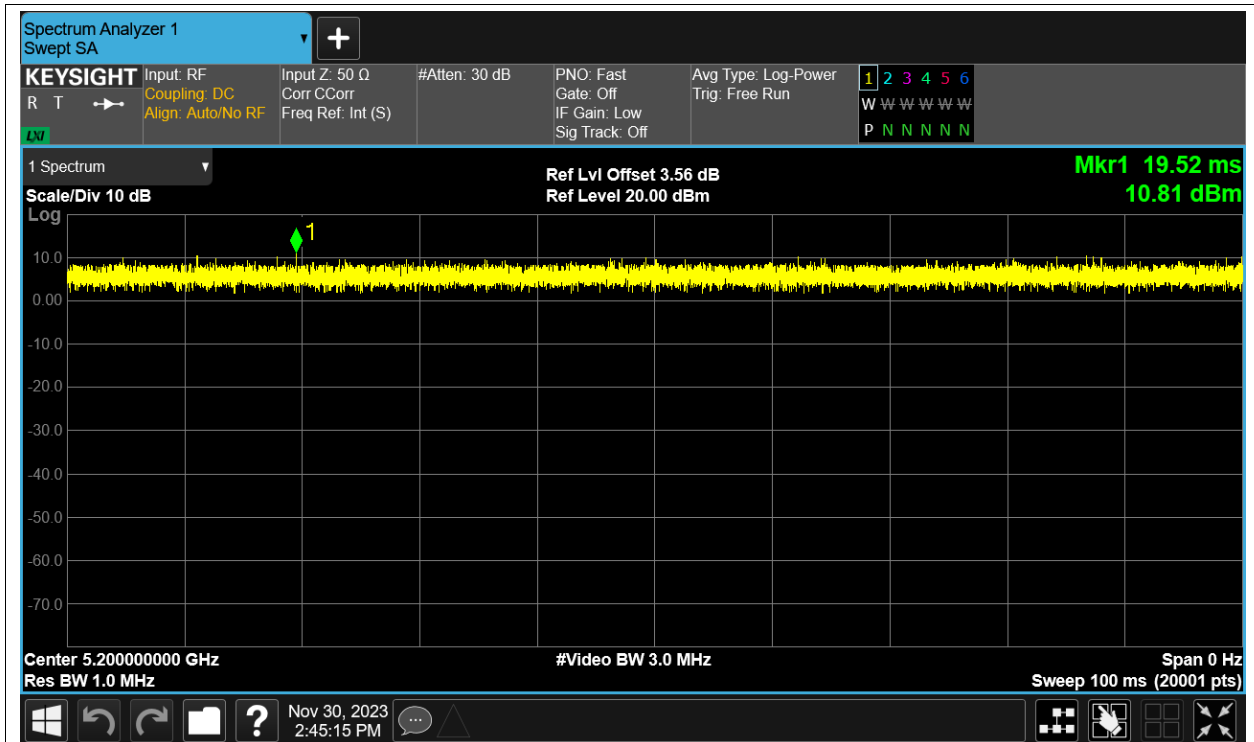
Duty Cycle NVNT ac80 5210MHz Ant13



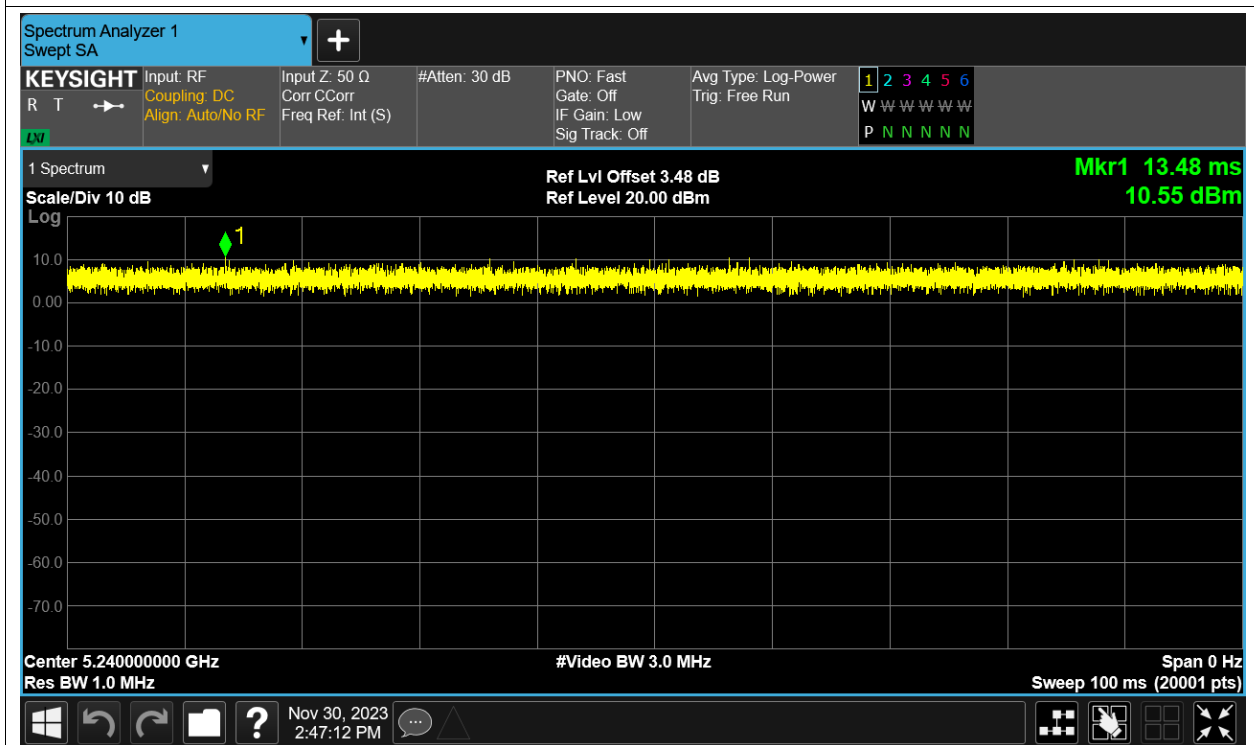
Duty Cycle NVNT n20 5180MHz Ant13



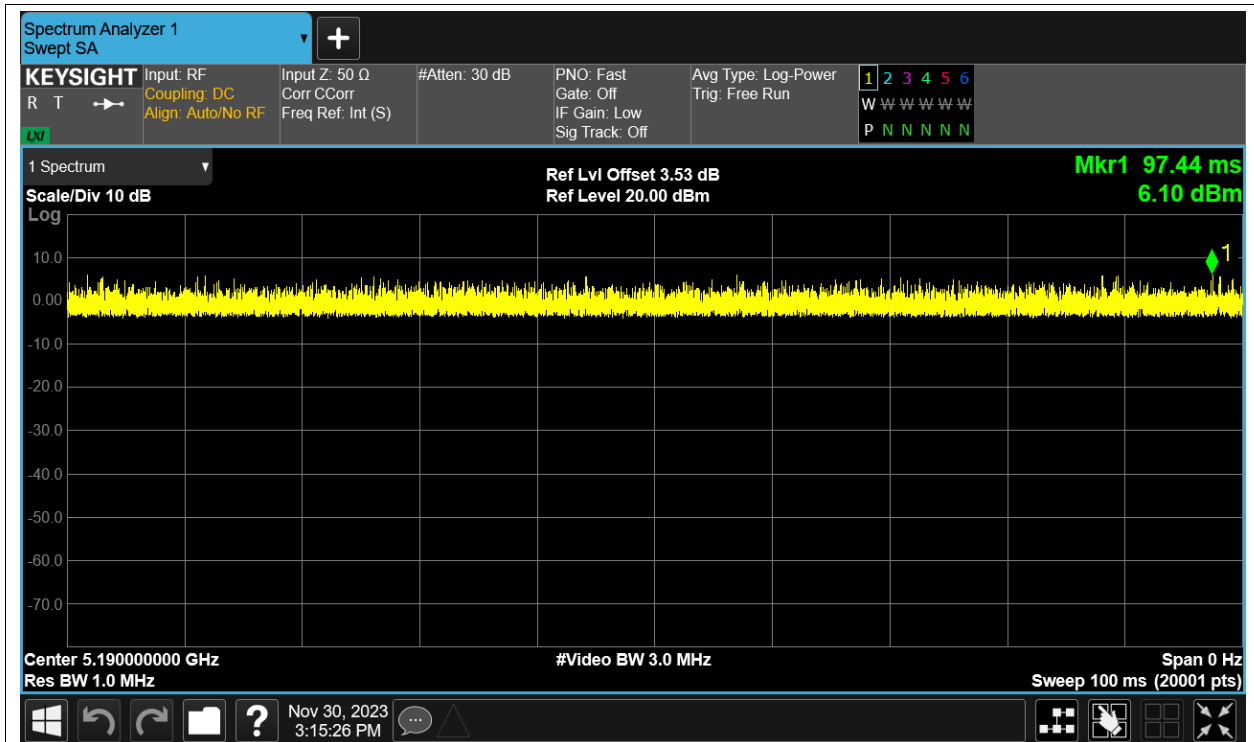
Duty Cycle NVNT n20 5200MHz Ant13



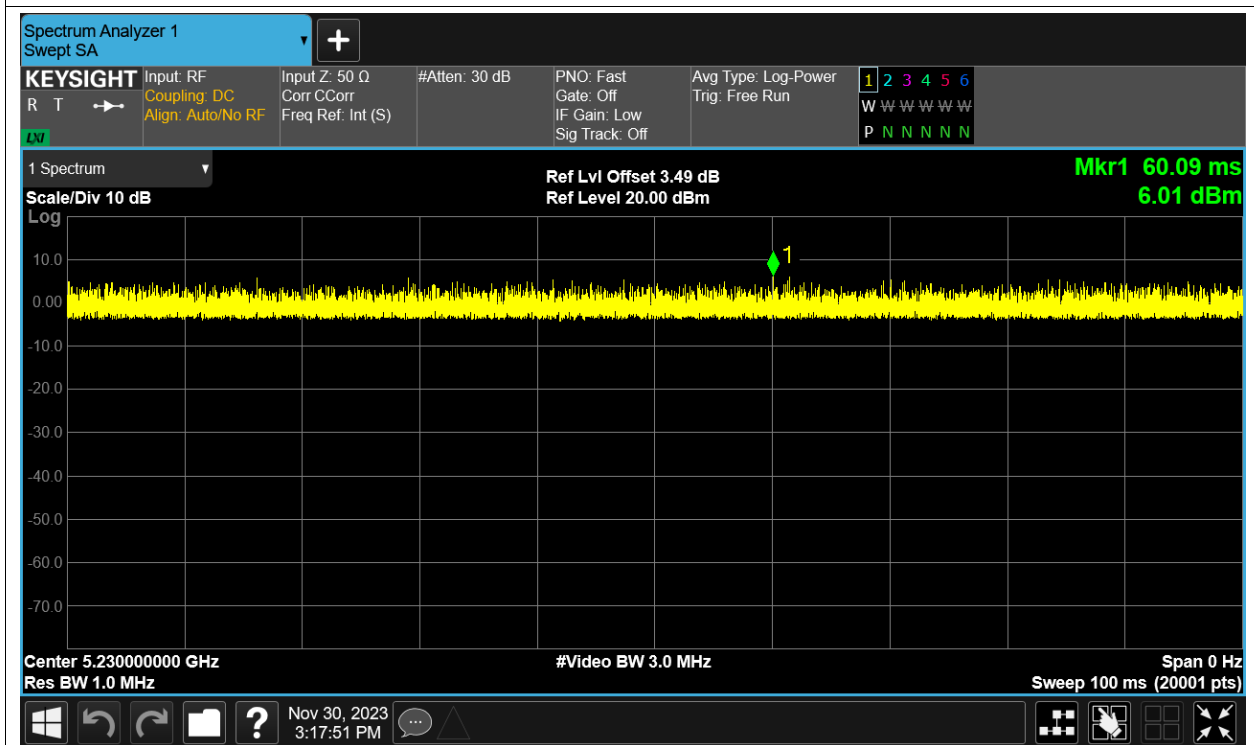
Duty Cycle NVNT n20 5240MHz Ant13



Duty Cycle NVNT n40 5190MHz Ant13



Duty Cycle NVNT n40 5230MHz Ant13



Maximum Conducted Output Power

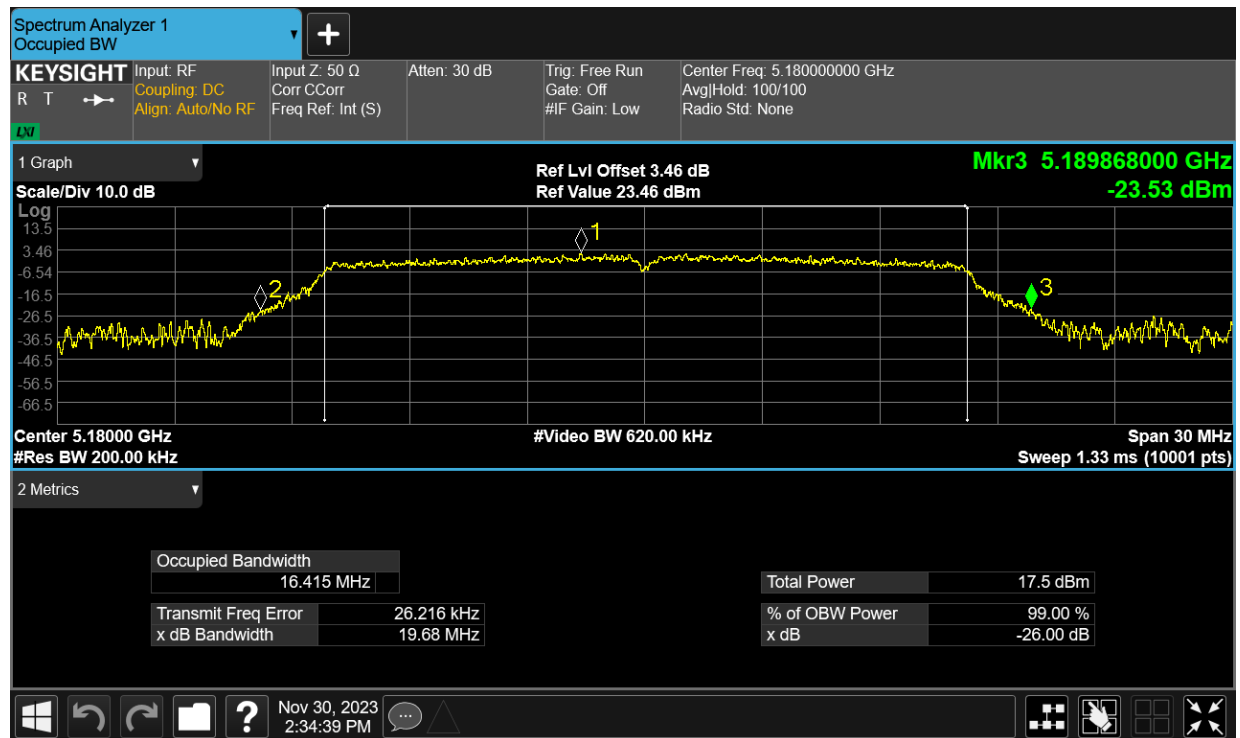
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant13	12.49	0	12.49	24	Pass
NVNT	a	5200	Ant13	13.4	0	13.4	24	Pass
NVNT	a	5240	Ant13	13.01	0	13.01	24	Pass
NVNT	ac20	5180	Ant13	12.95	0	12.95	24	Pass
NVNT	ac20	5200	Ant13	13.26	0	13.26	24	Pass
NVNT	ac20	5240	Ant13	12.86	0	12.86	24	Pass
NVNT	ac40	5190	Ant13	11.37	0	11.37	24	Pass
NVNT	ac40	5230	Ant13	11.48	0	11.48	24	Pass
NVNT	ac80	5210	Ant13	11.58	0	11.58	24	Pass
NVNT	n20	5180	Ant13	12.97	0	12.97	24	Pass
NVNT	n20	5200	Ant13	13.29	0	13.29	24	Pass
NVNT	n20	5240	Ant13	12.86	0	12.86	24	Pass
NVNT	n40	5190	Ant13	13.24	0	13.24	24	Pass
NVNT	n40	5230	Ant13	13.16	0	13.16	24	Pass

-26dB Bandwidth

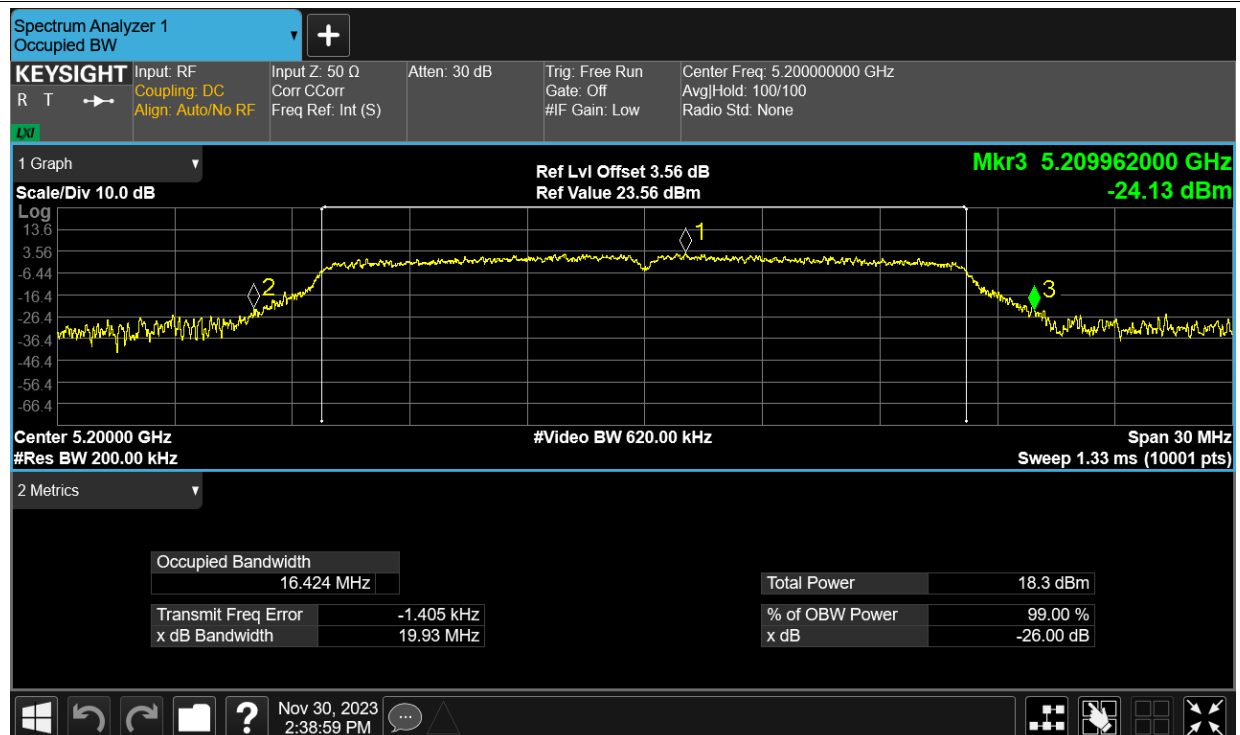
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant13	19.683
NVNT	a	5200	Ant13	19.926
NVNT	a	5240	Ant13	19.612
NVNT	ac20	5180	Ant13	20.192
NVNT	ac20	5200	Ant13	20.13
NVNT	ac20	5240	Ant13	20.297
NVNT	ac40	5190	Ant13	39.364
NVNT	ac40	5230	Ant13	39.796
NVNT	ac80	5210	Ant13	78.278
NVNT	n20	5180	Ant13	19.988
NVNT	n20	5200	Ant13	22.309
NVNT	n20	5240	Ant13	20.284
NVNT	n40	5190	Ant13	39.843
NVNT	n40	5230	Ant13	39.255

Test Graphs

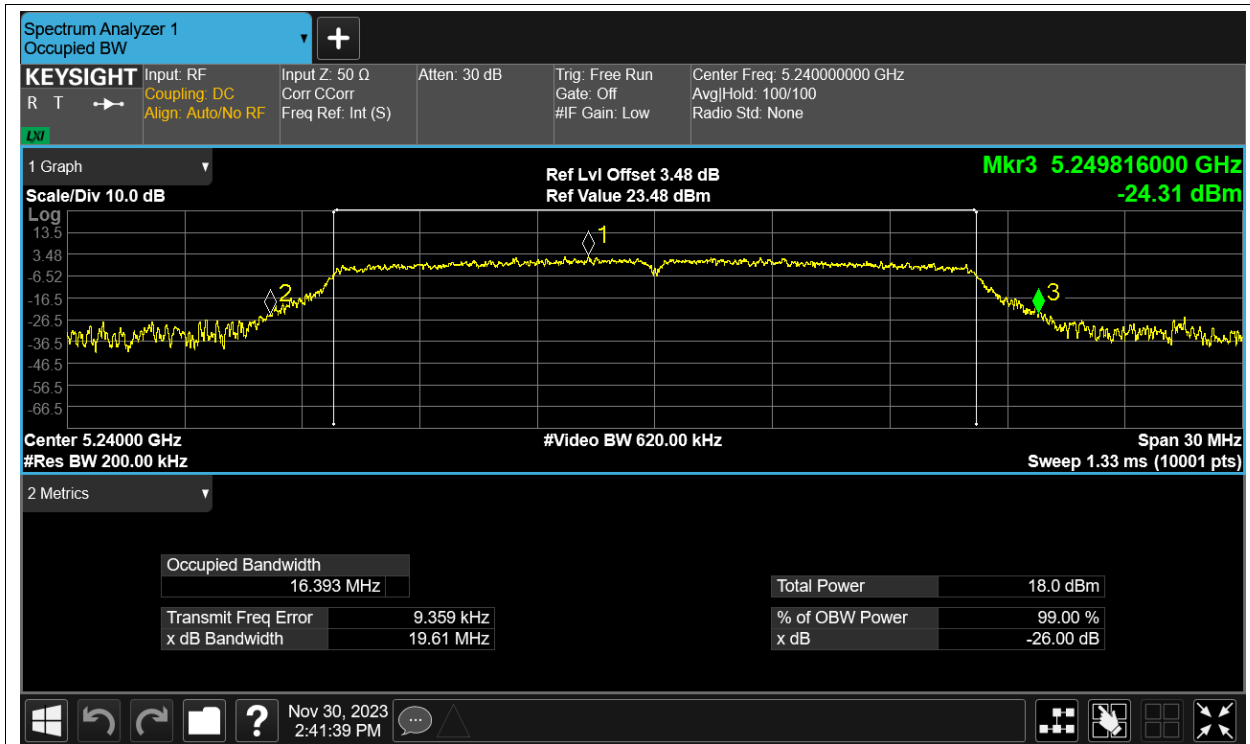
-26dB Bandwidth NVNT a 5180MHz Ant13



-26dB Bandwidth NVNT a 5200MHz Ant13



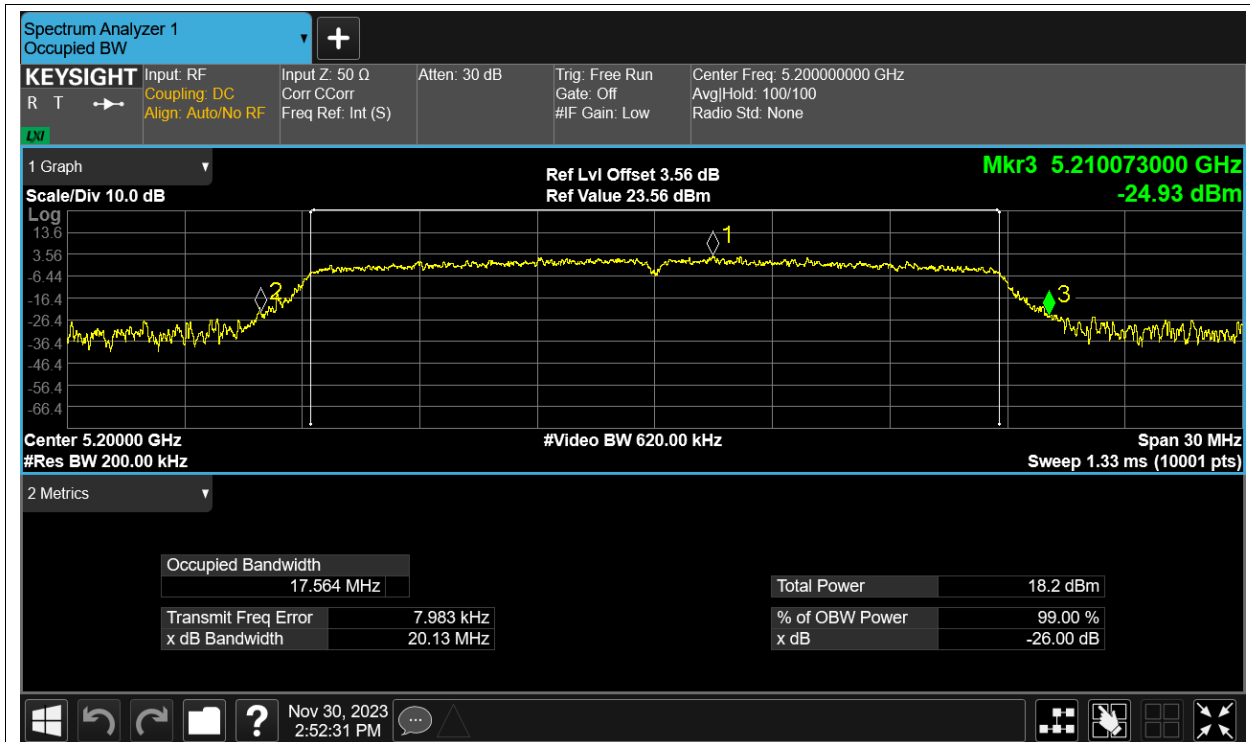
-26dB Bandwidth NVNT a 5240MHz Ant13



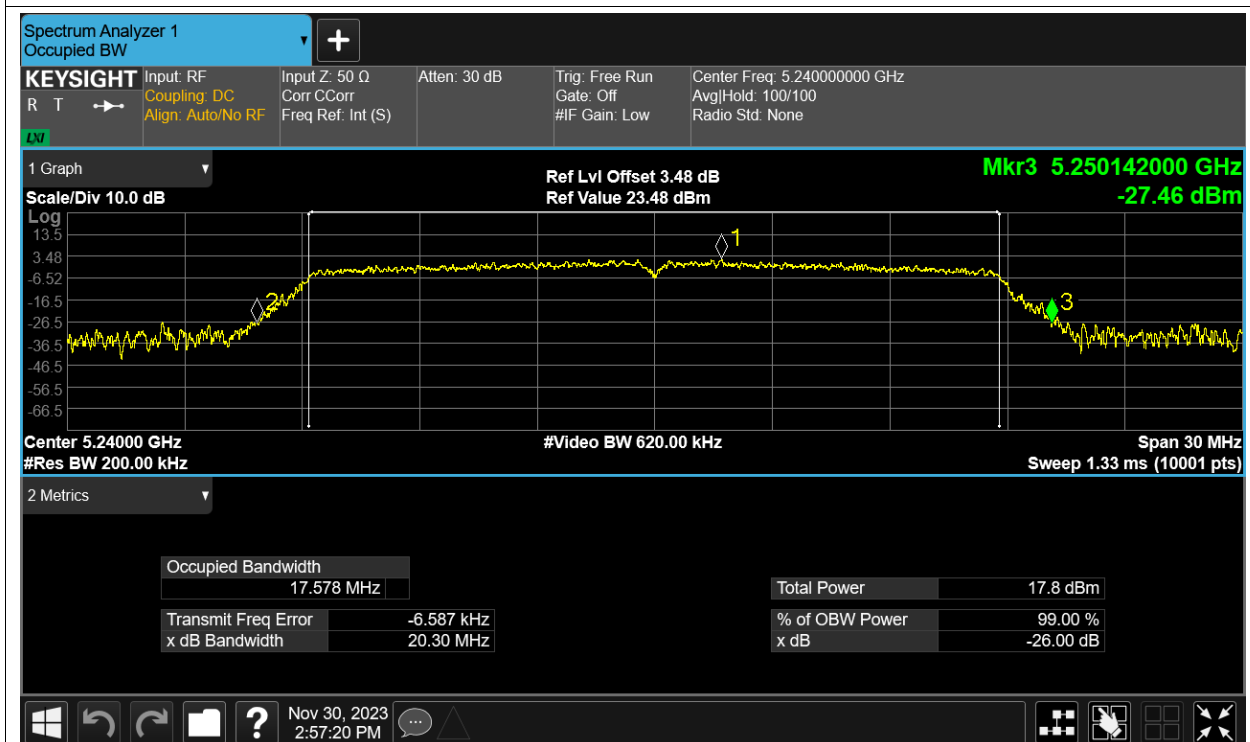
-26dB Bandwidth NVNT ac20 5180MHz Ant13



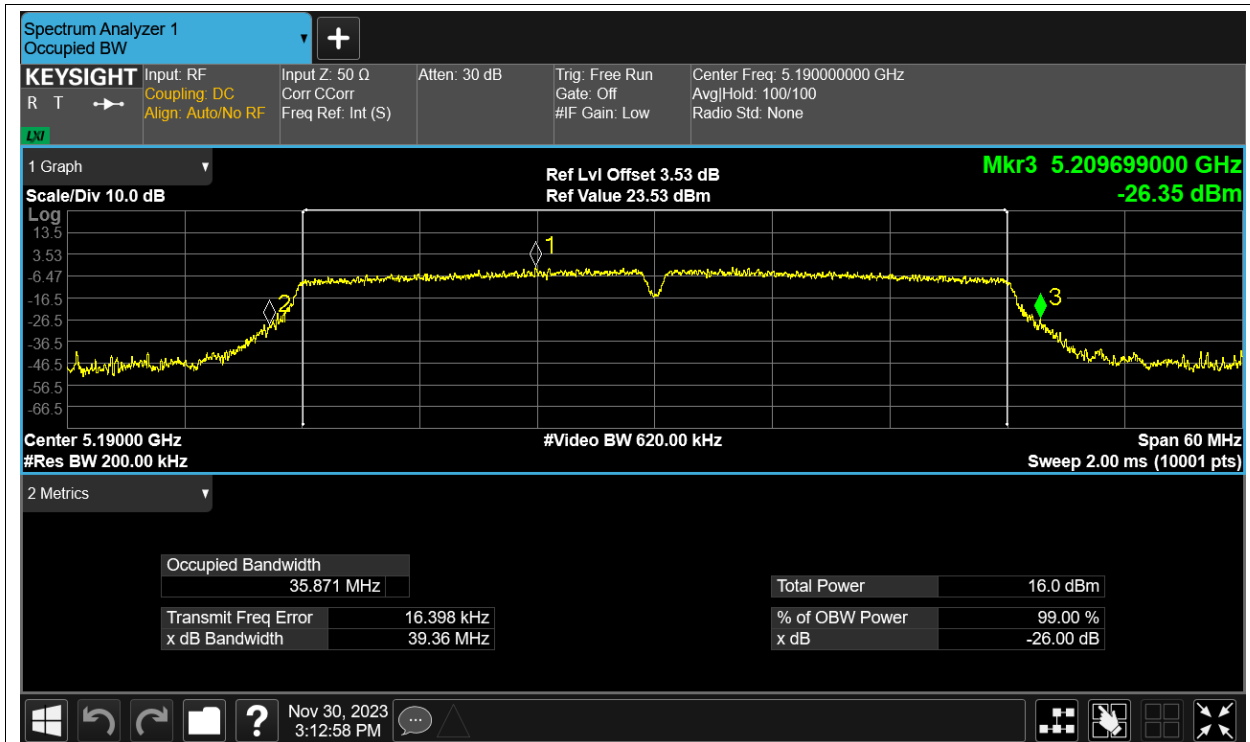
-26dB Bandwidth NVNT ac20 5200MHz Ant13



-26dB Bandwidth NVNT ac20 5240MHz Ant13



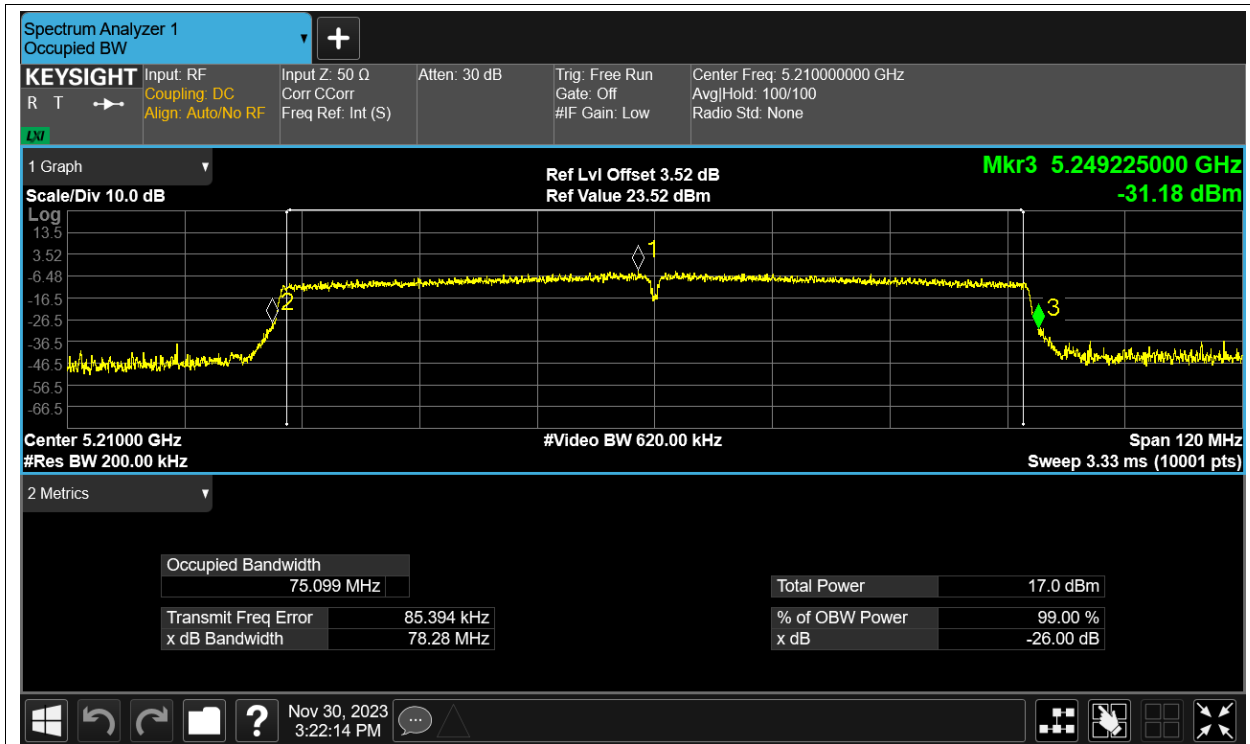
-26dB Bandwidth NVNT ac40 5190MHz Ant13



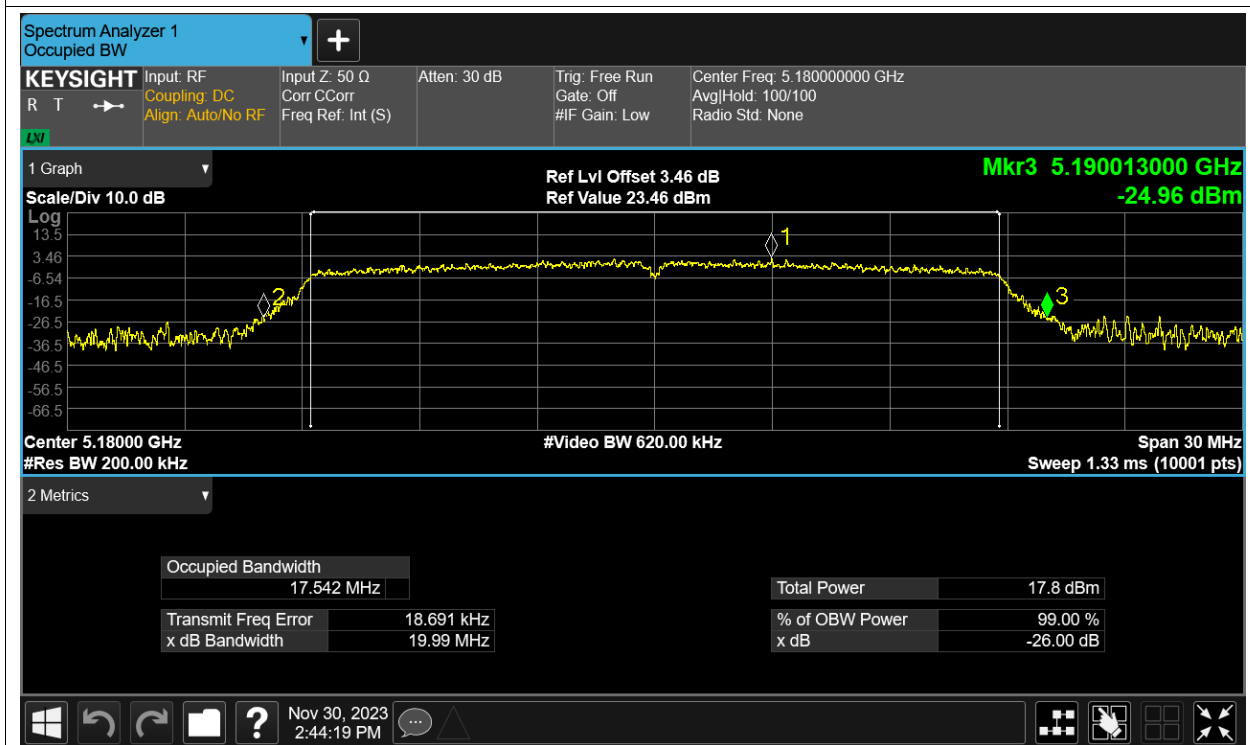
-26dB Bandwidth NVNT ac40 5230MHz Ant13



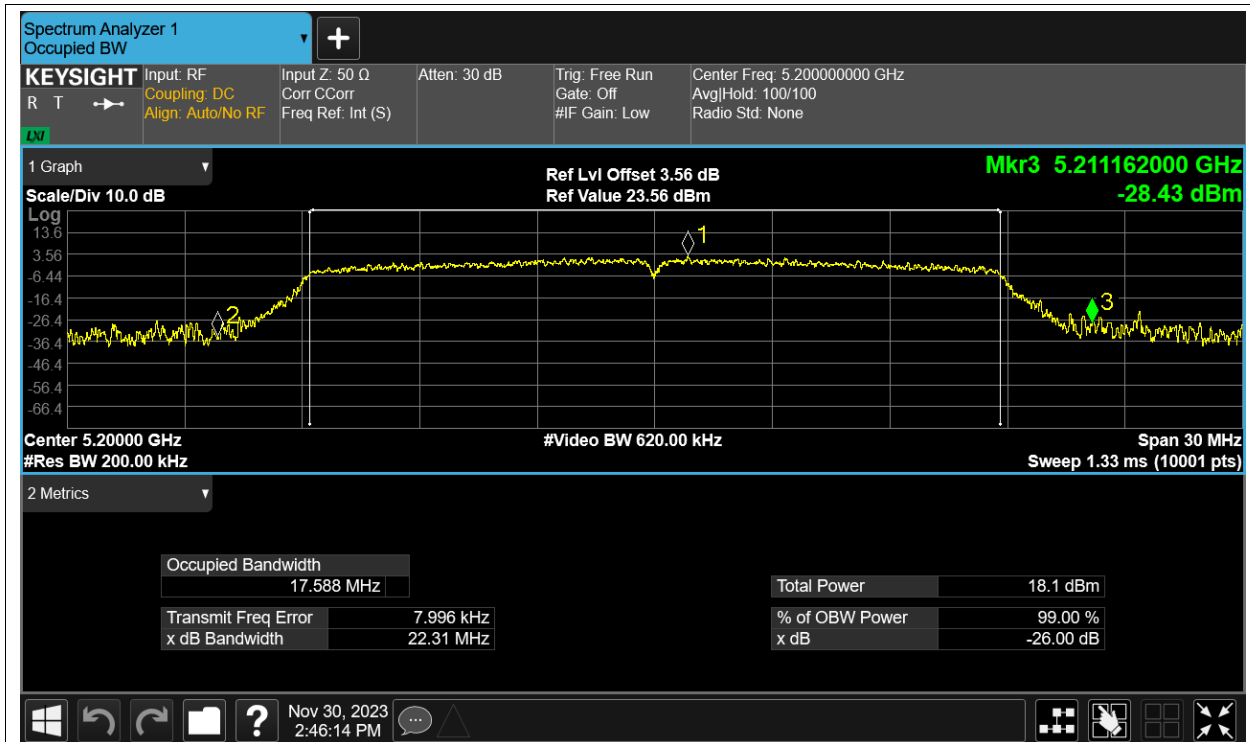
-26dB Bandwidth NVNT ac80 5210MHz Ant13



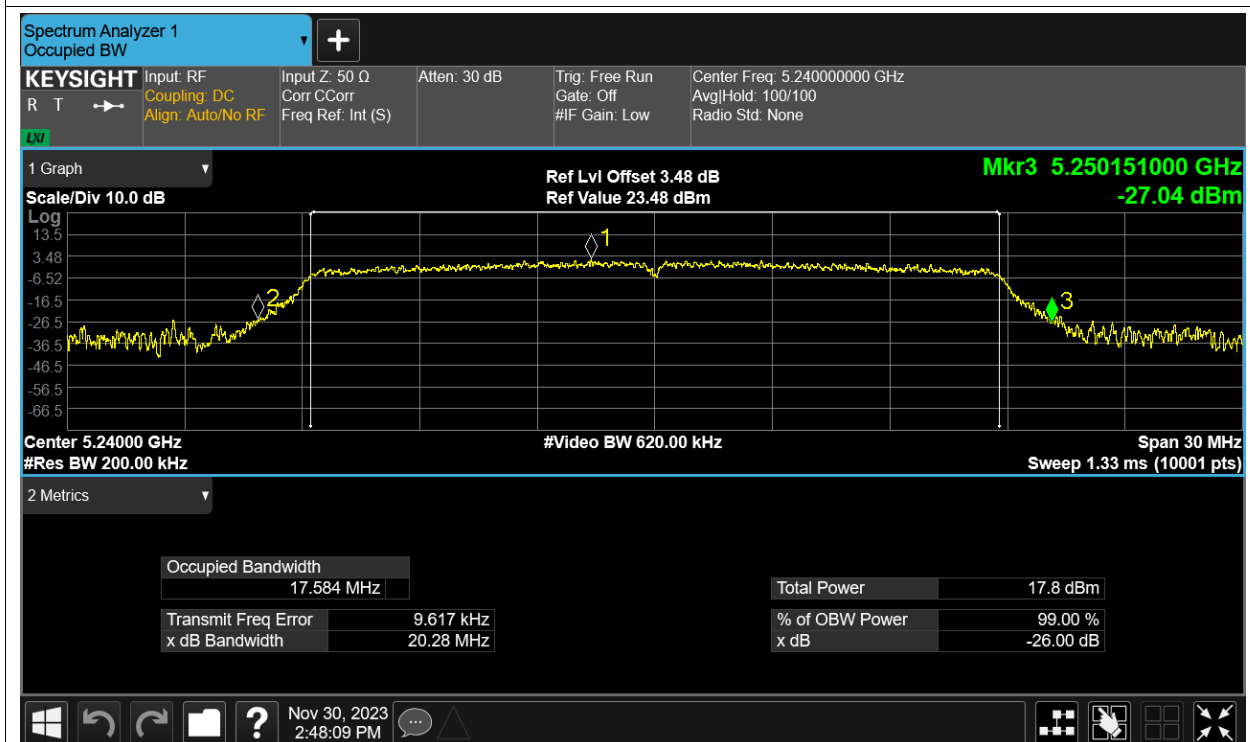
-26dB Bandwidth NVNT n20 5180MHz Ant13



-26dB Bandwidth NVNT n20 5200MHz Ant13



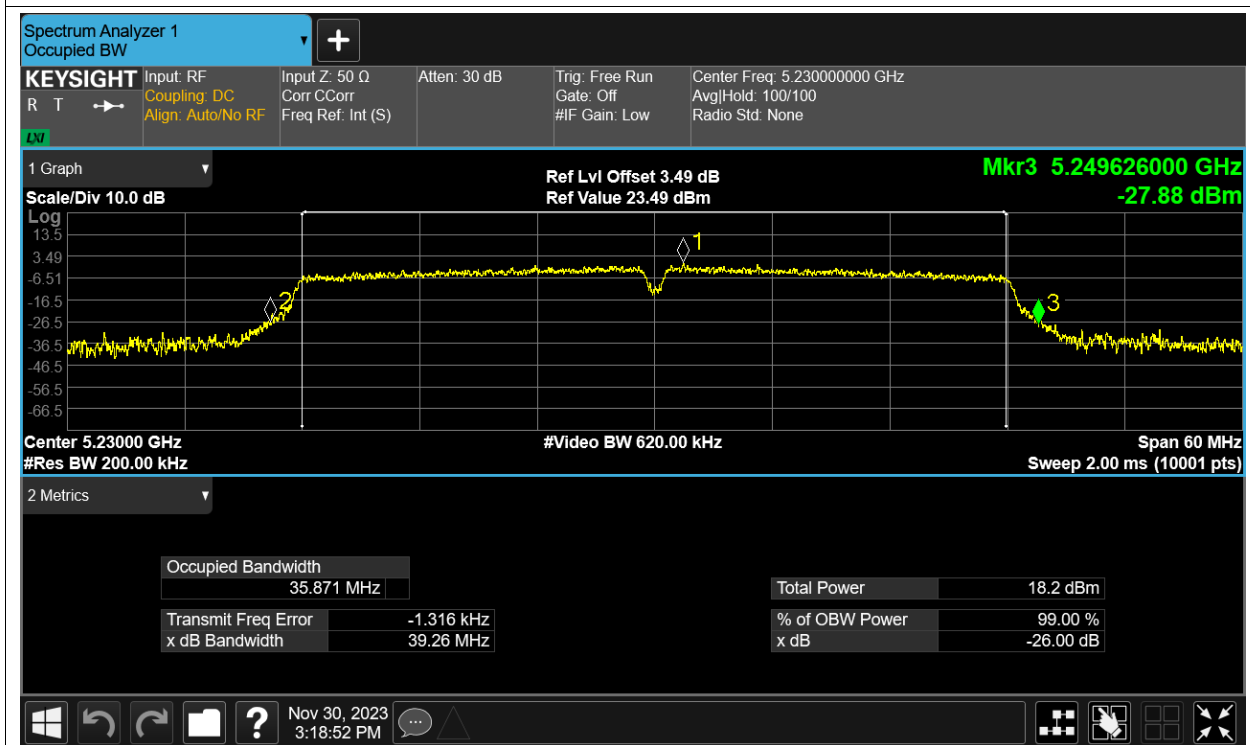
-26dB Bandwidth NVNT n20 5240MHz Ant13



-26dB Bandwidth NVNT n40 5190MHz Ant13



-26dB Bandwidth NVNT n40 5230MHz Ant13

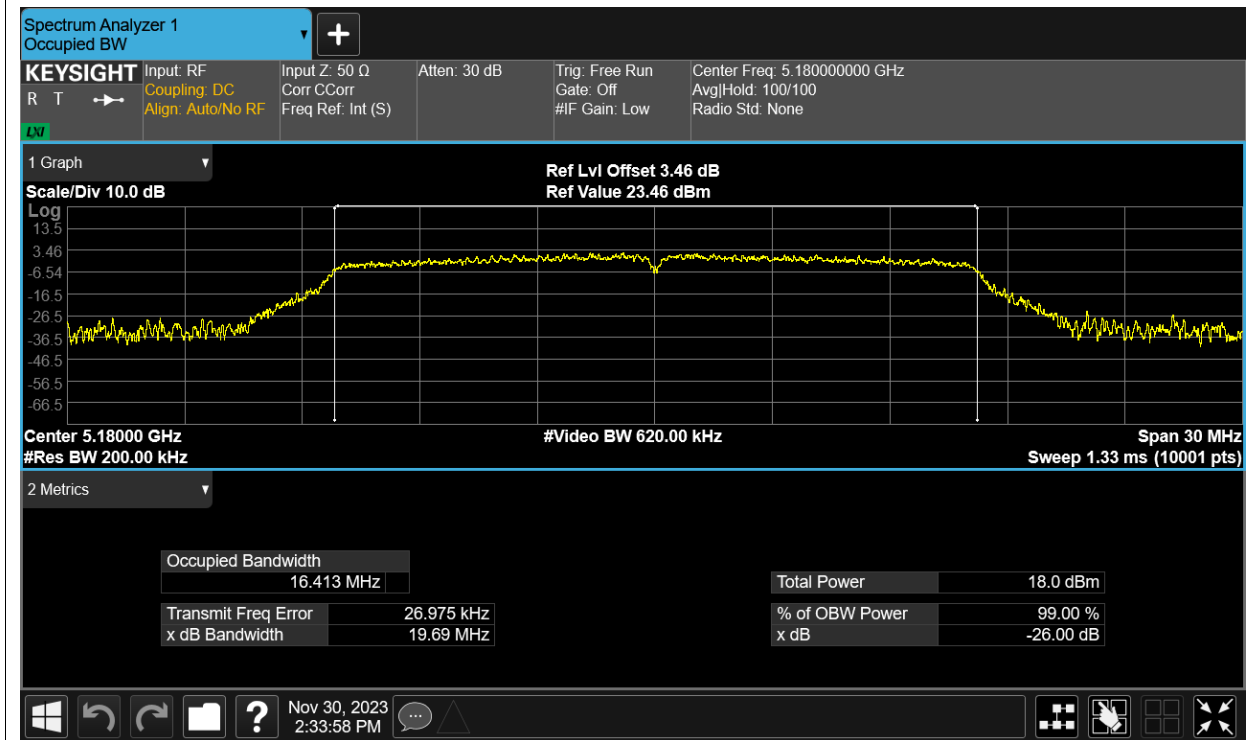


Occupied Channel Bandwidth

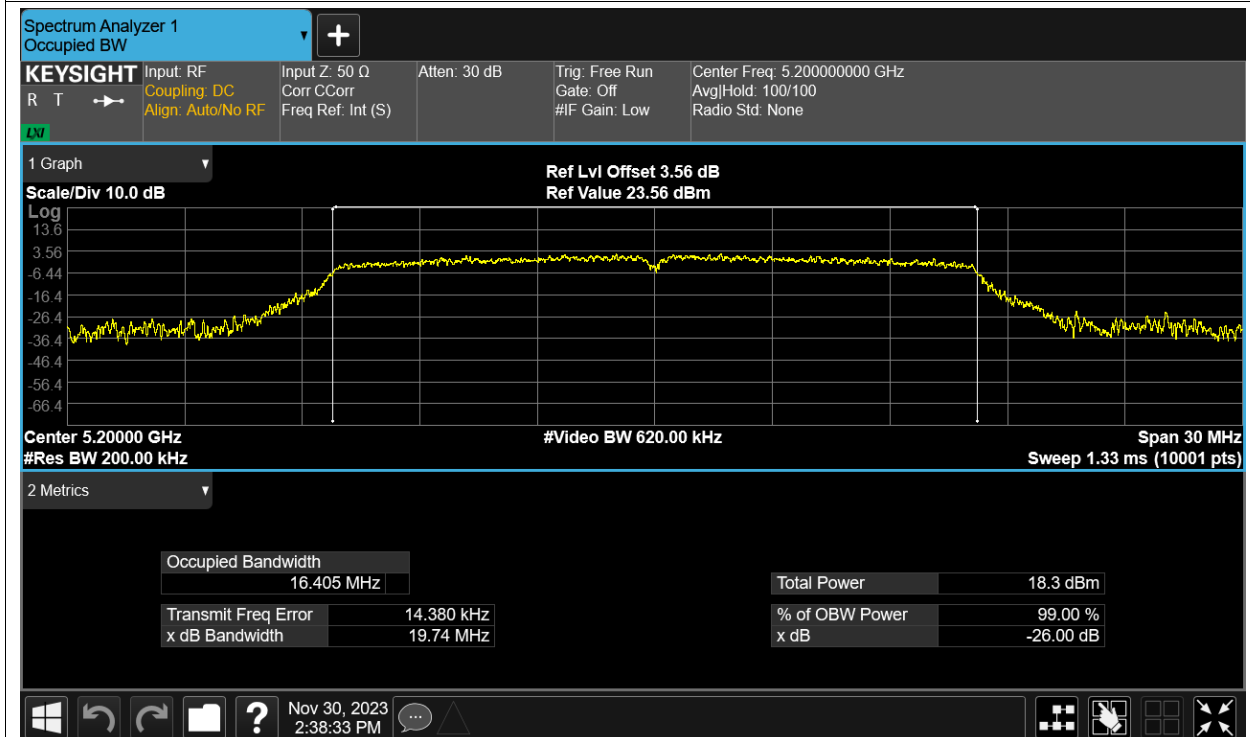
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant13	16.413
NVNT	a	5200	Ant13	16.405
NVNT	a	5240	Ant13	16.377
NVNT	ac20	5180	Ant13	17.567
NVNT	ac20	5200	Ant13	17.557
NVNT	ac20	5240	Ant13	17.556
NVNT	ac40	5190	Ant13	35.943
NVNT	ac40	5230	Ant13	35.95
NVNT	ac80	5210	Ant13	75.1
NVNT	n20	5180	Ant13	17.575
NVNT	n20	5200	Ant13	17.563
NVNT	n20	5240	Ant13	17.575
NVNT	n40	5190	Ant13	36.014
NVNT	n40	5230	Ant13	35.982

Test Graphs

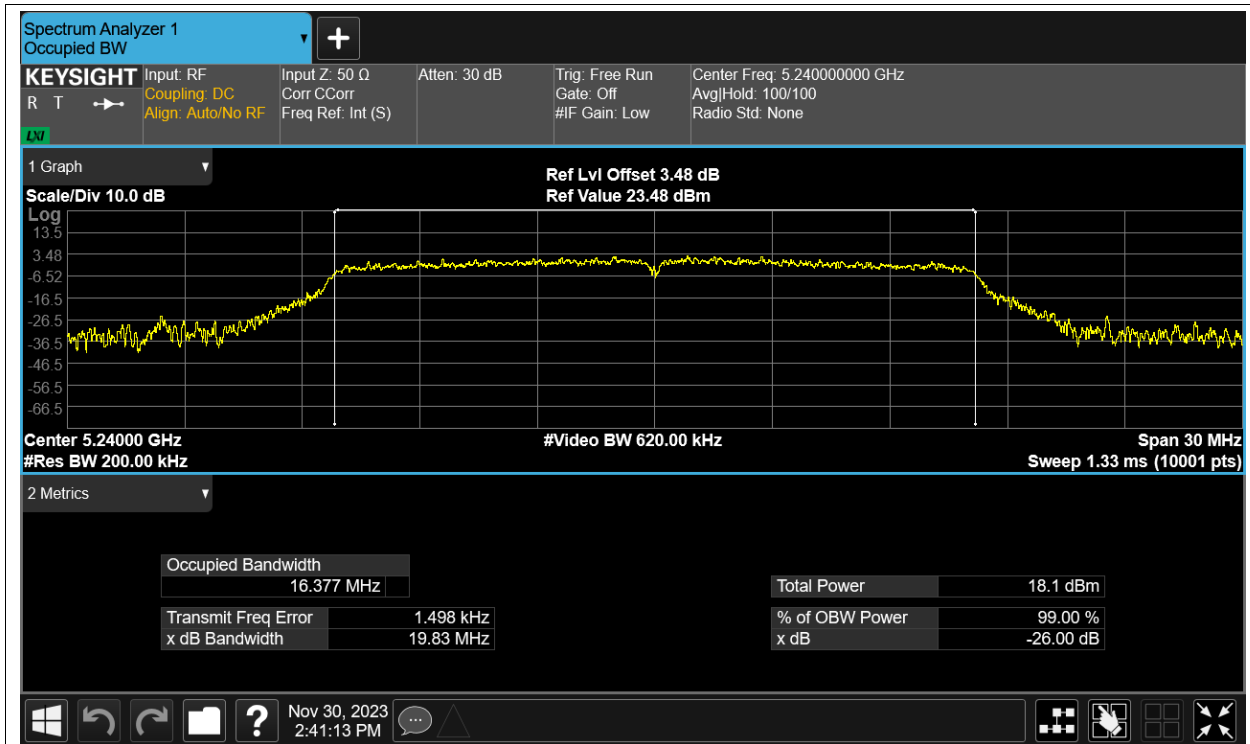
OBW NVNT a 5180MHz Ant13



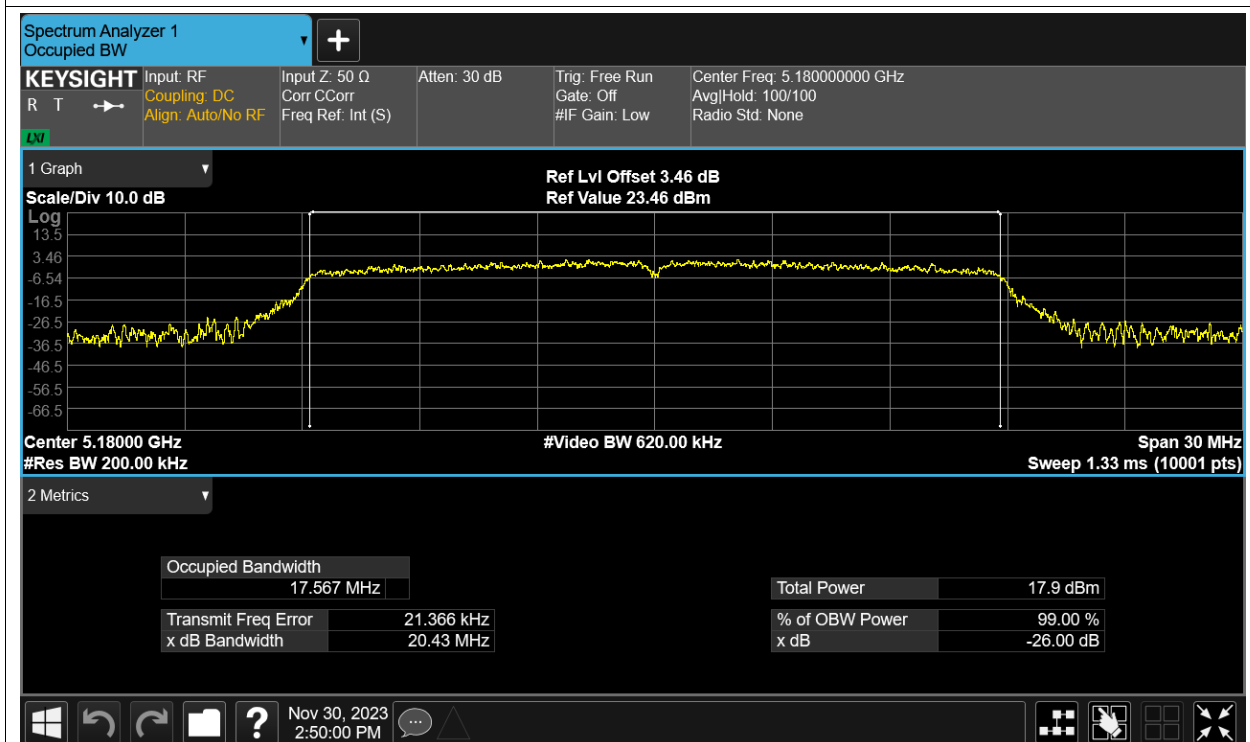
OBW NVNT a 5200MHz Ant13



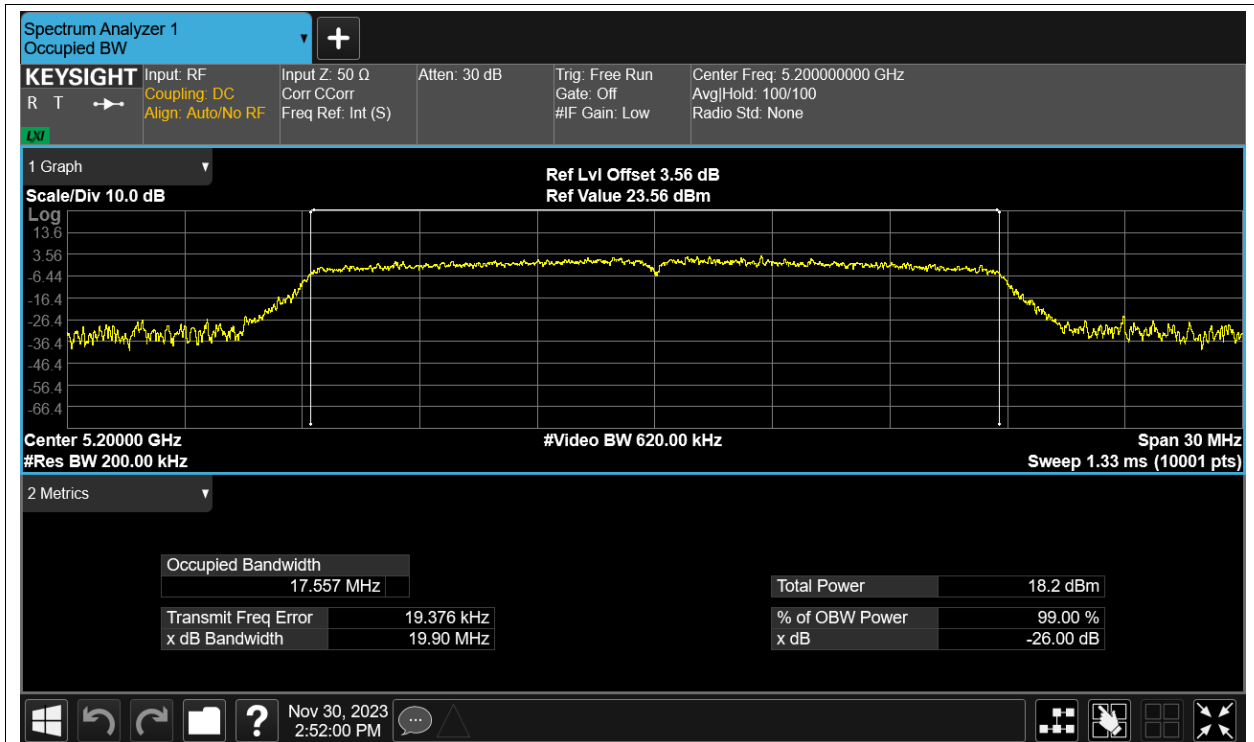
OBW NVNT a 5240MHz Ant13



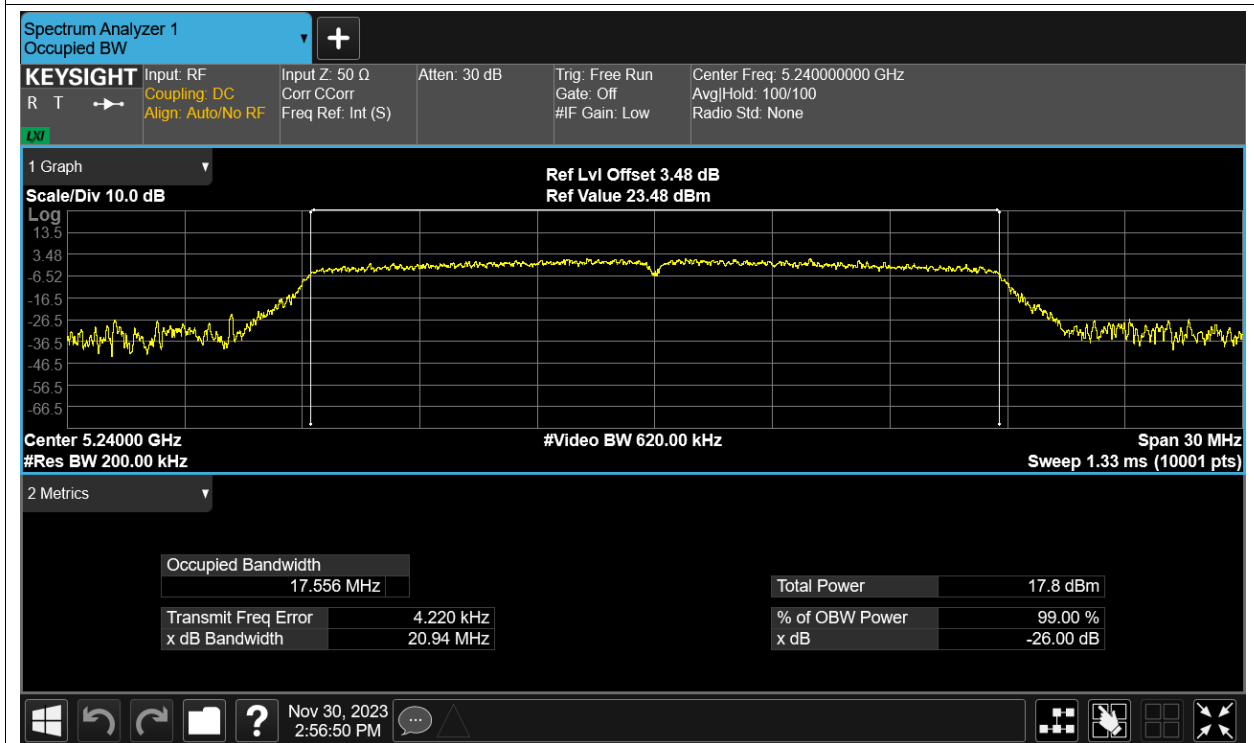
OBW NVNT ac20 5180MHz Ant13



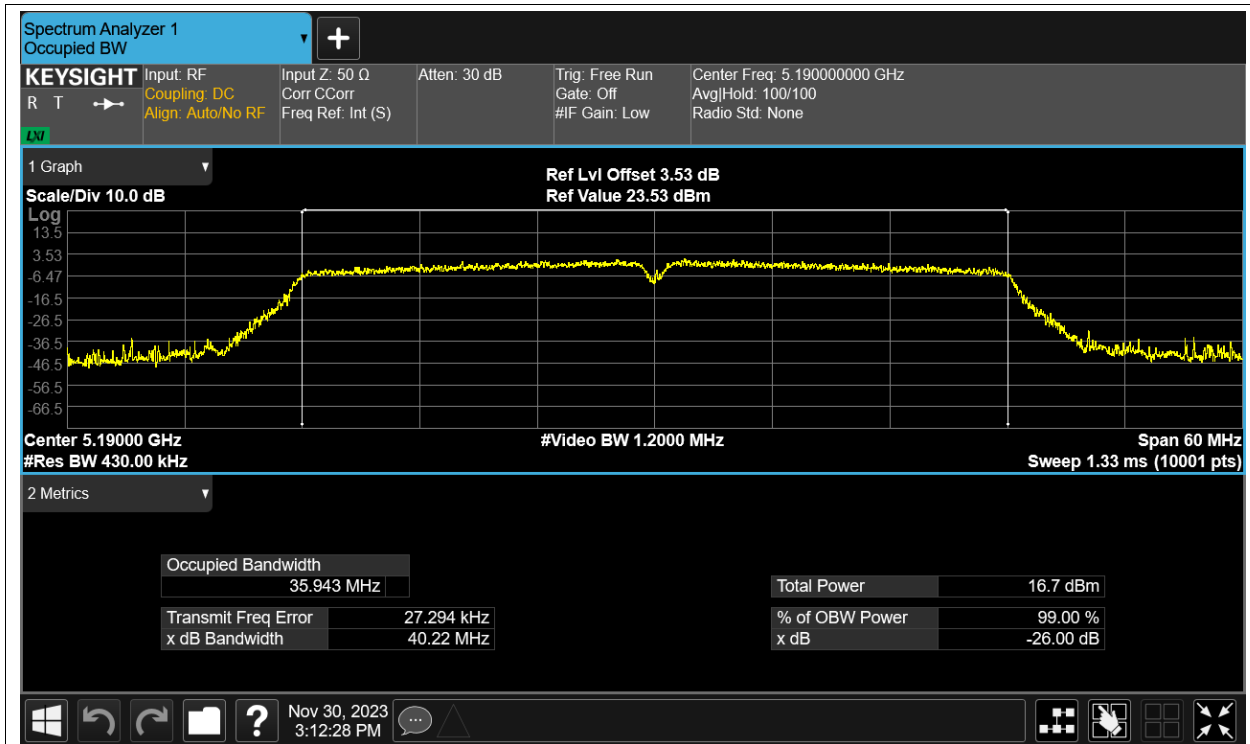
OBW NVNT ac20 5200MHz Ant13



OBW NVNT ac20 5240MHz Ant13



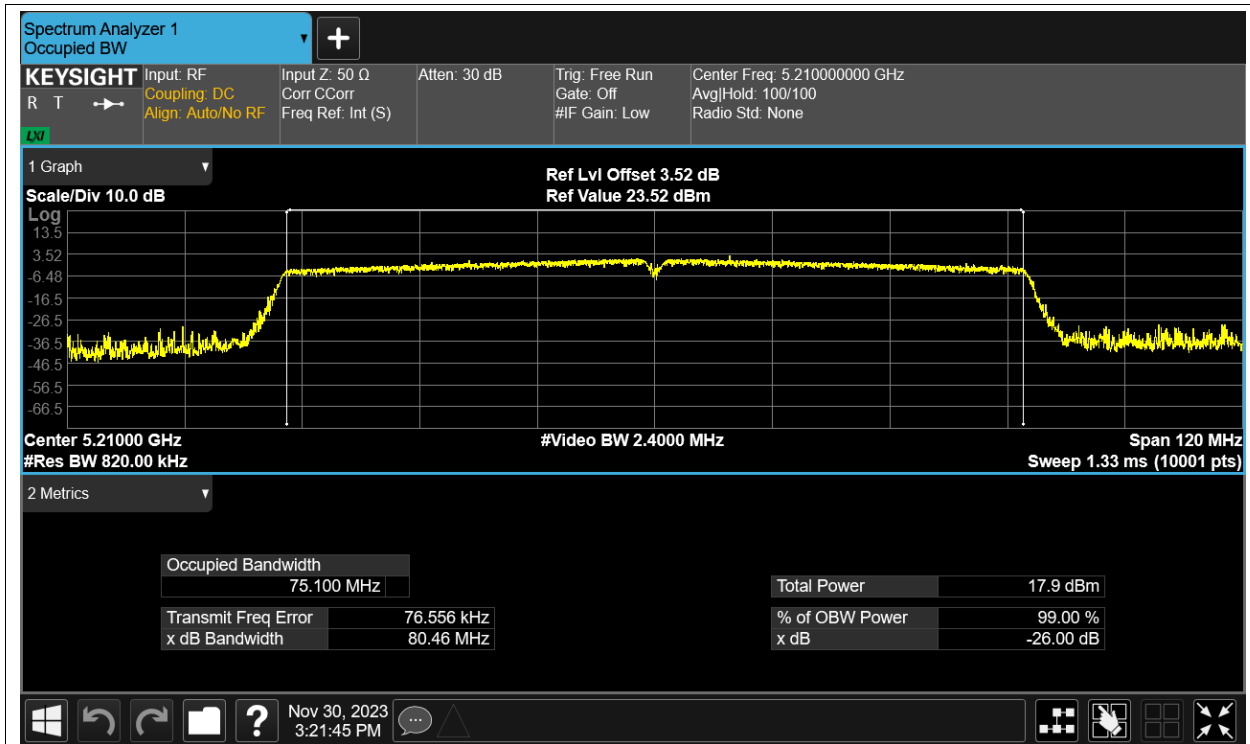
OBW NVNT ac40 5190MHz Ant13



OBW NVNT ac40 5230MHz Ant13



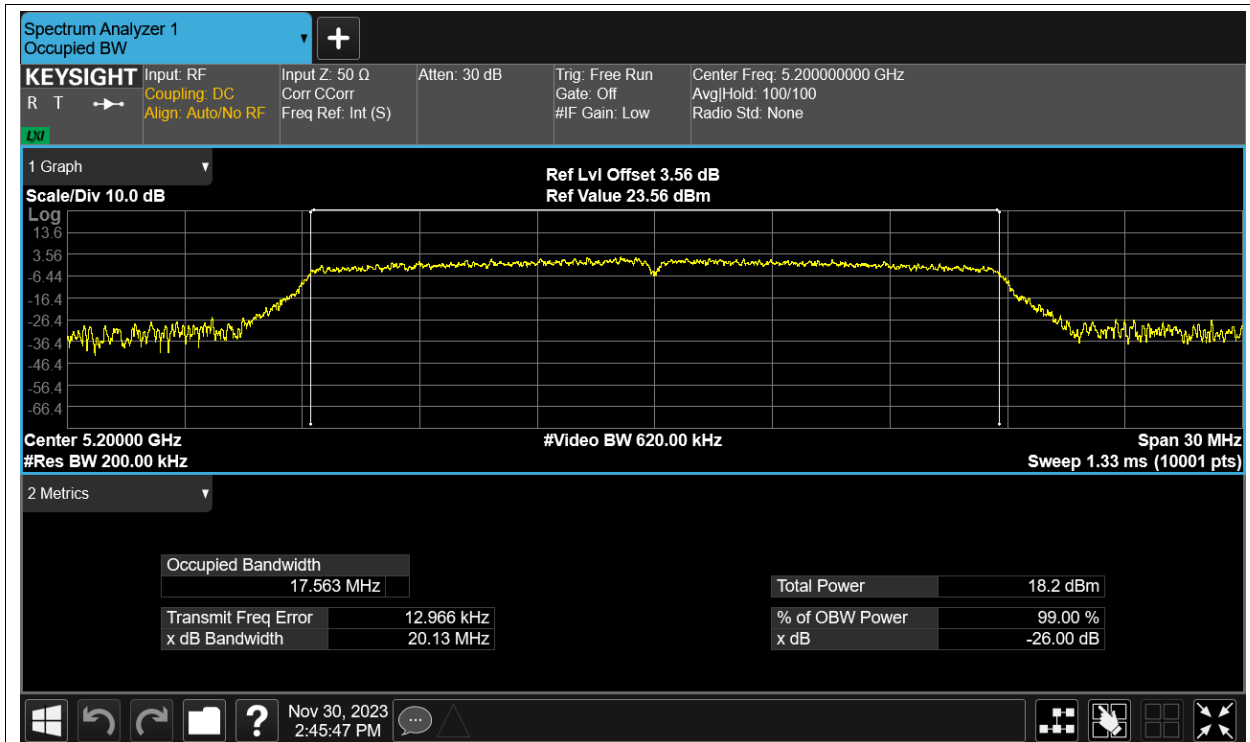
OBW NVNT ac80 5210MHz Ant13



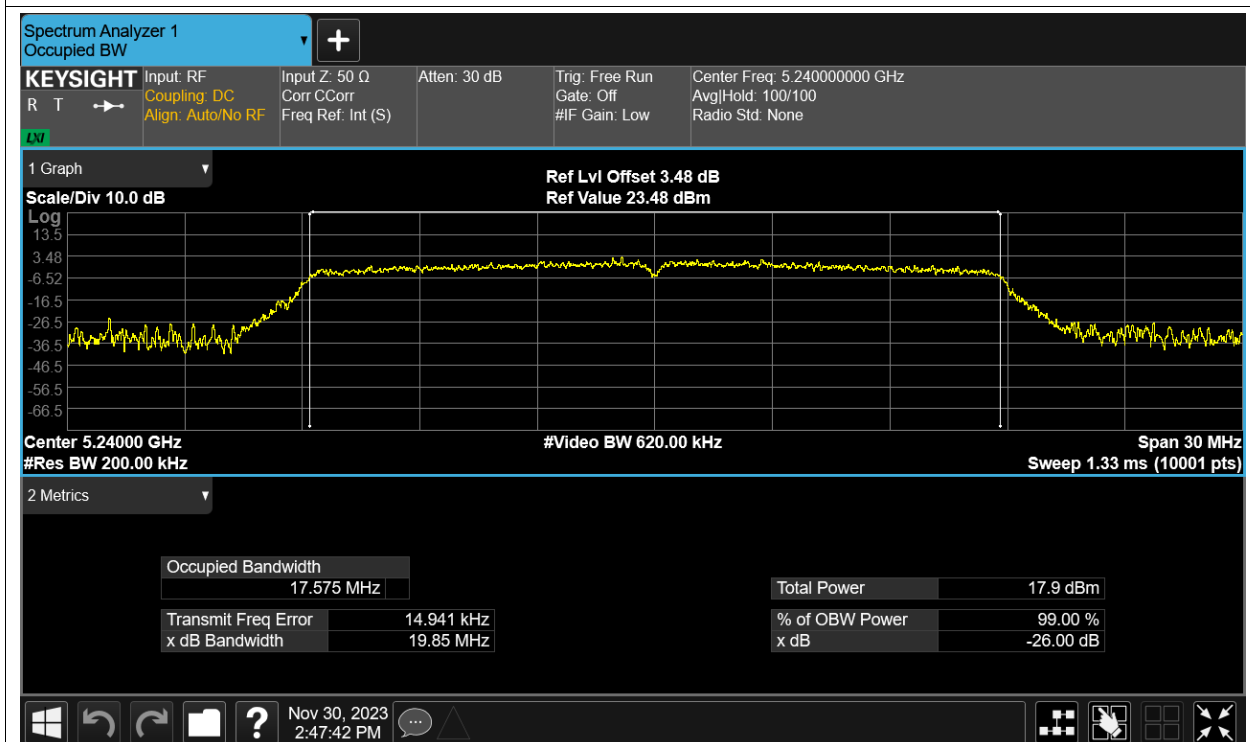
OBW NVNT n20 5180MHz Ant13



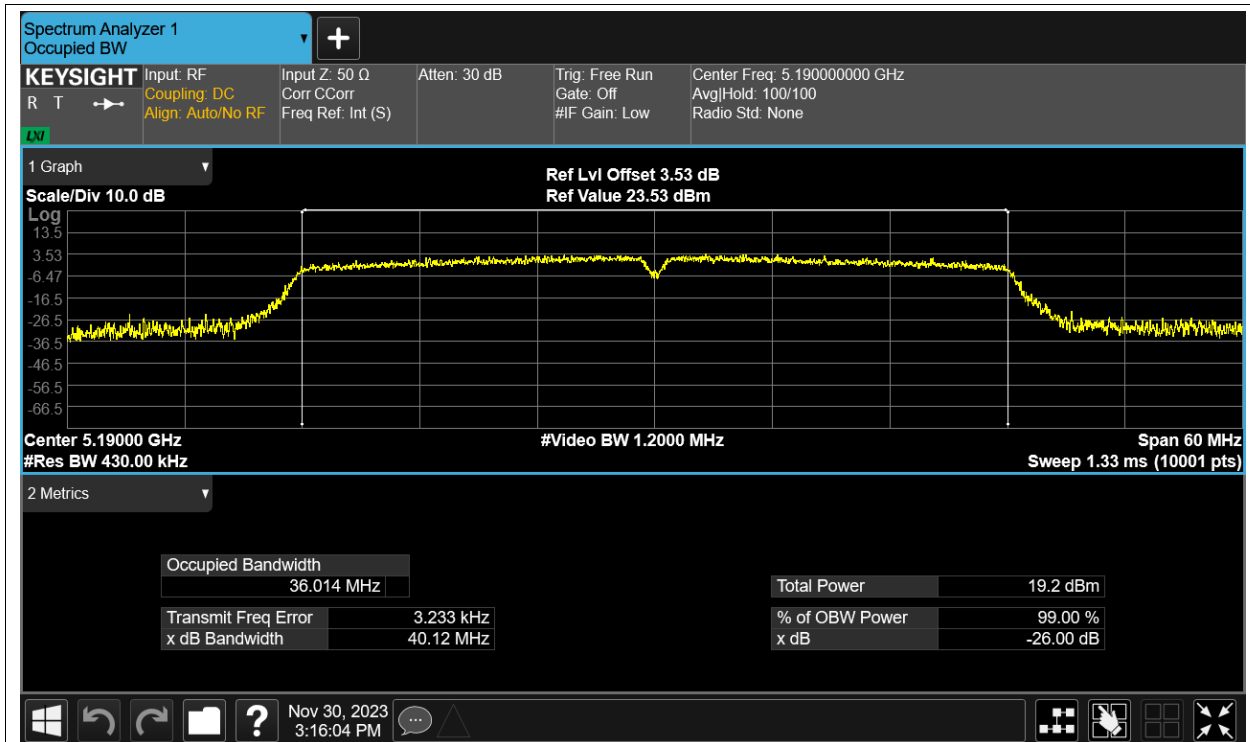
OBW NVNT n20 5200MHz Ant13



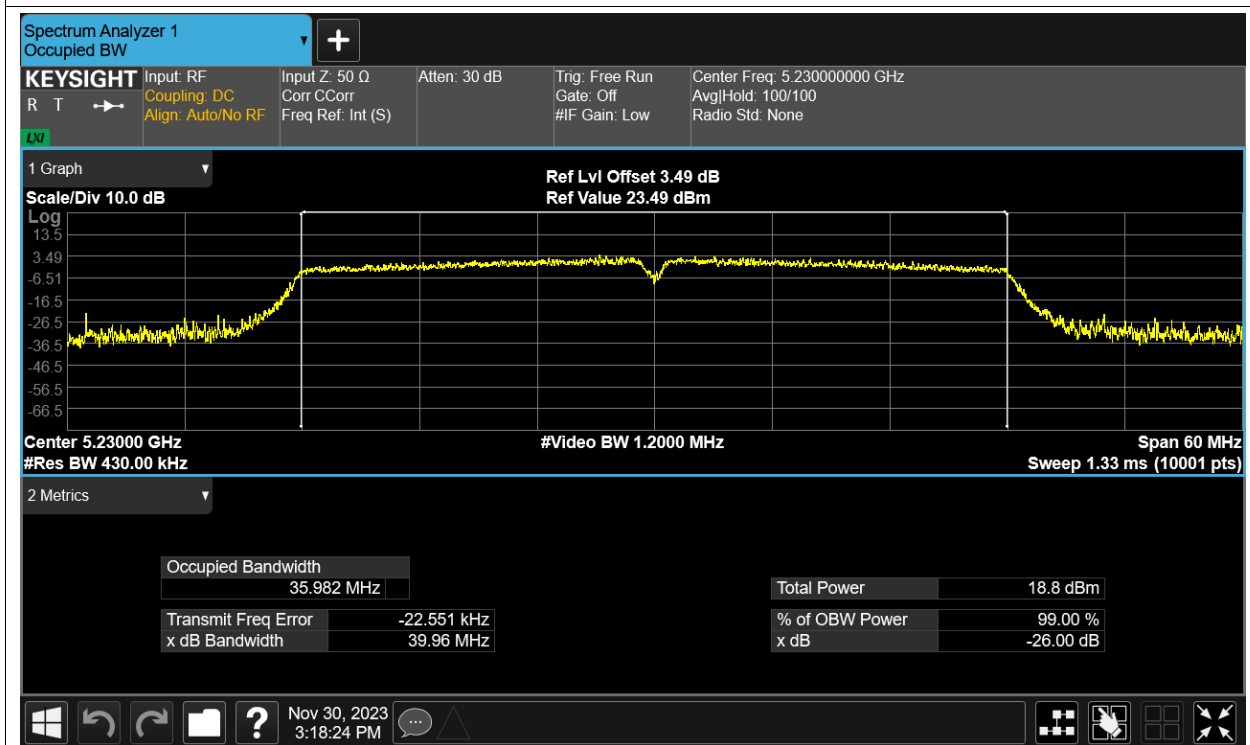
OBW NVNT n20 5240MHz Ant13



OBW NVNT n40 5190MHz Ant13



OBW NVNT n40 5230MHz Ant13

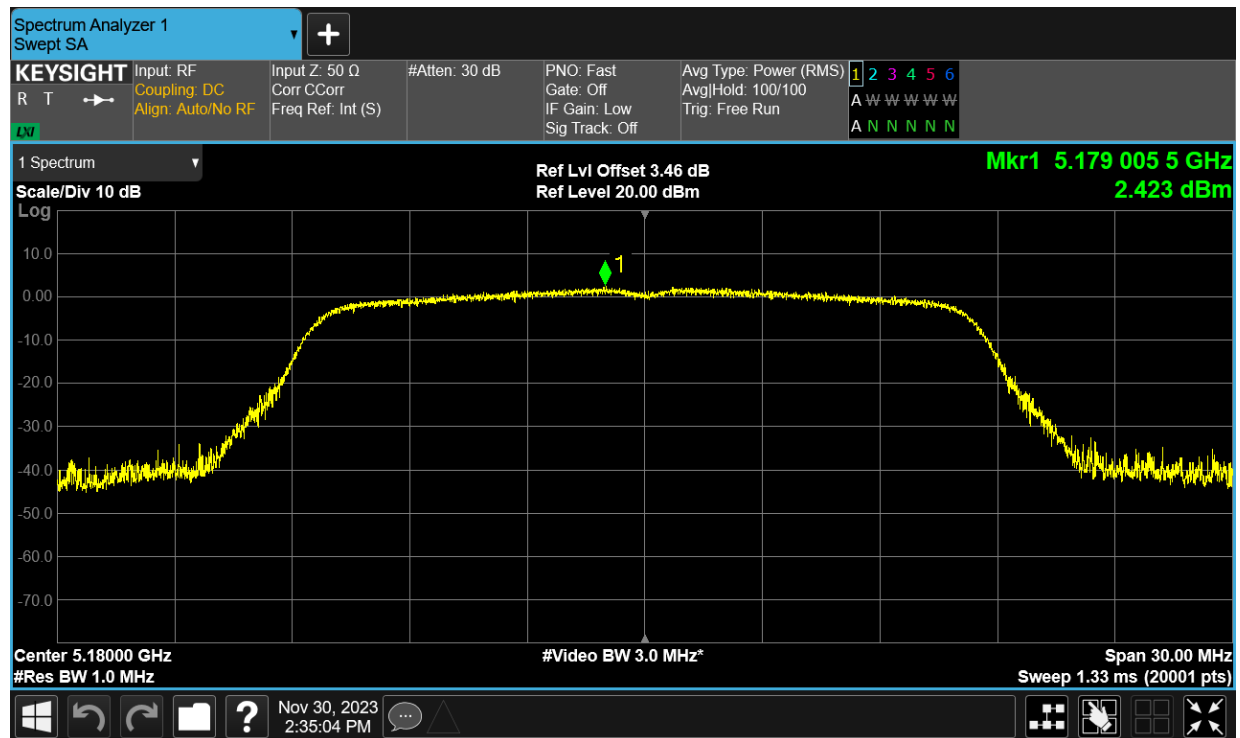


Maximum Power Spectral Density Level

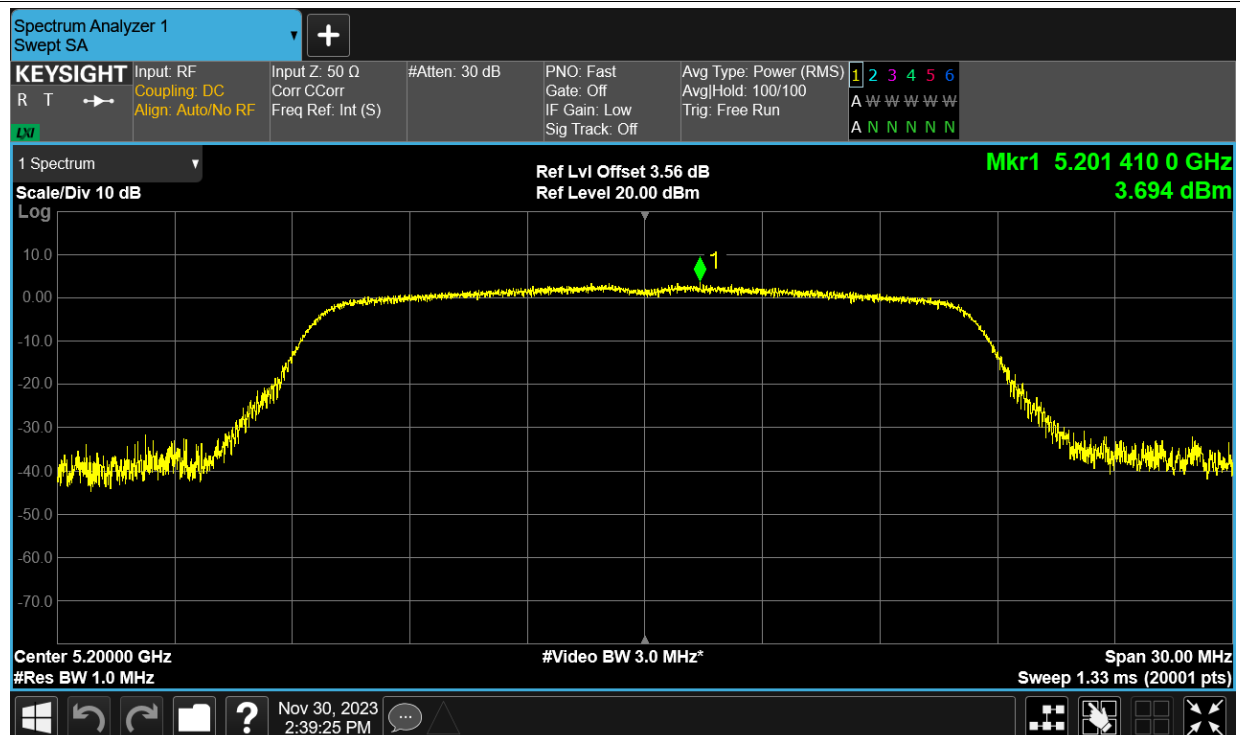
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant13	2.423	11	Pass
NVNT	a	5200	Ant13	3.694	11	Pass
NVNT	a	5240	Ant13	3.045	11	Pass
NVNT	ac20	5180	Ant13	2.644	11	Pass
NVNT	ac20	5200	Ant13	3.147	11	Pass
NVNT	ac20	5240	Ant13	2.482	11	Pass
NVNT	ac40	5190	Ant13	-1.539	11	Pass
NVNT	ac40	5230	Ant13	-2.348	11	Pass
NVNT	ac80	5210	Ant13	-4.015	11	Pass
NVNT	n20	5180	Ant13	2.764	11	Pass
NVNT	n20	5200	Ant13	2.922	11	Pass
NVNT	n20	5240	Ant13	2.621	11	Pass
NVNT	n40	5190	Ant13	0.901	11	Pass
NVNT	n40	5230	Ant13	0.63	11	Pass

Test Graphs

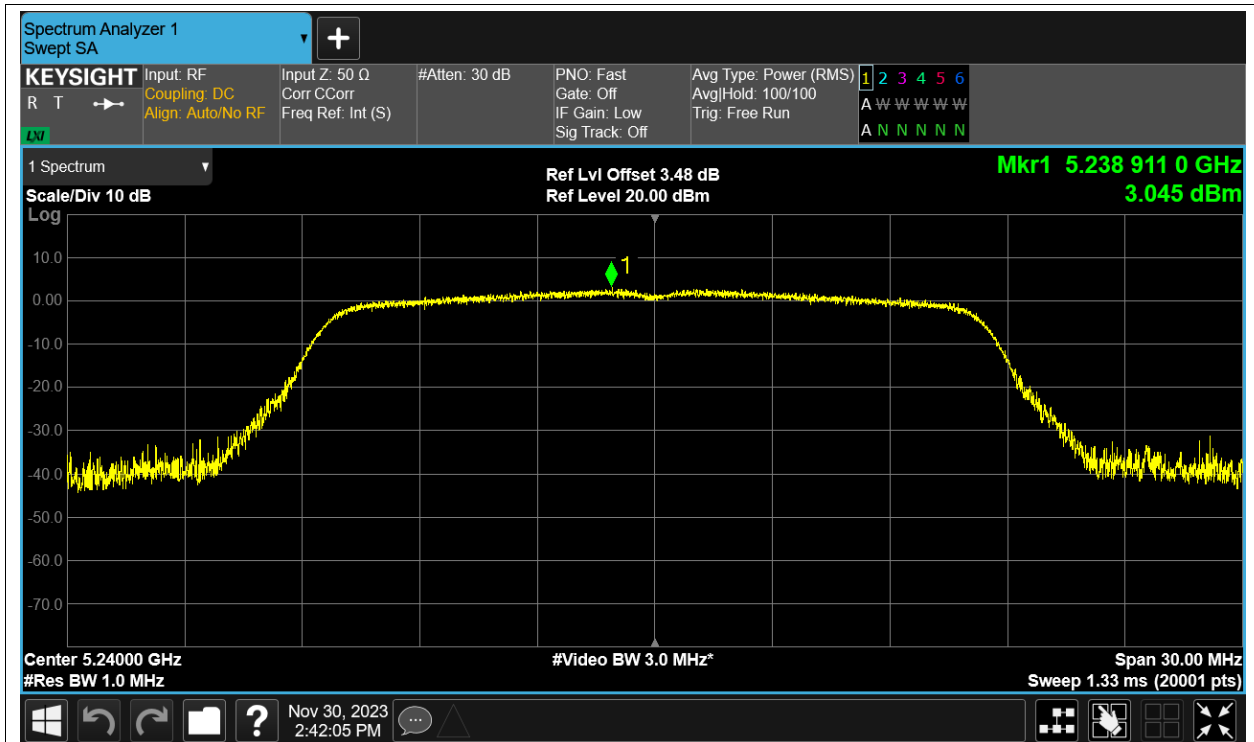
PSD NVNT a 5180MHz Ant13



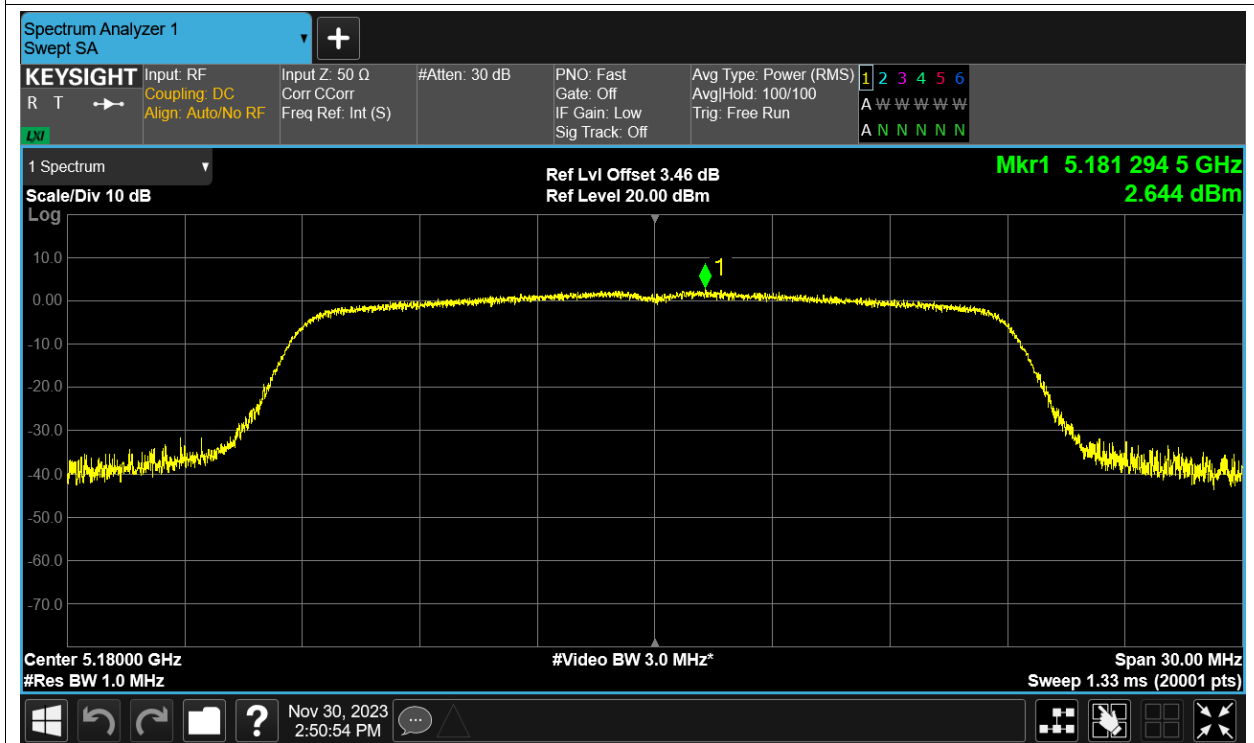
PSD NVNT a 5200MHz Ant13



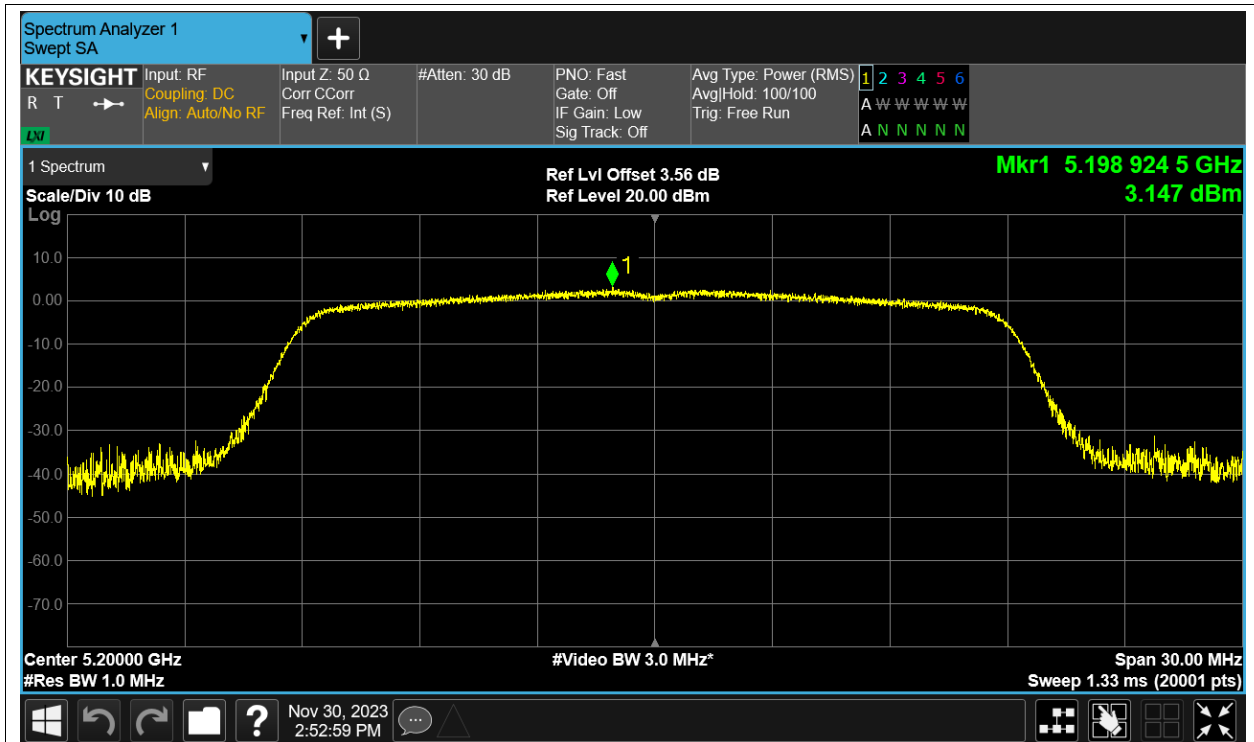
PSD NVNT a 5240MHz Ant13



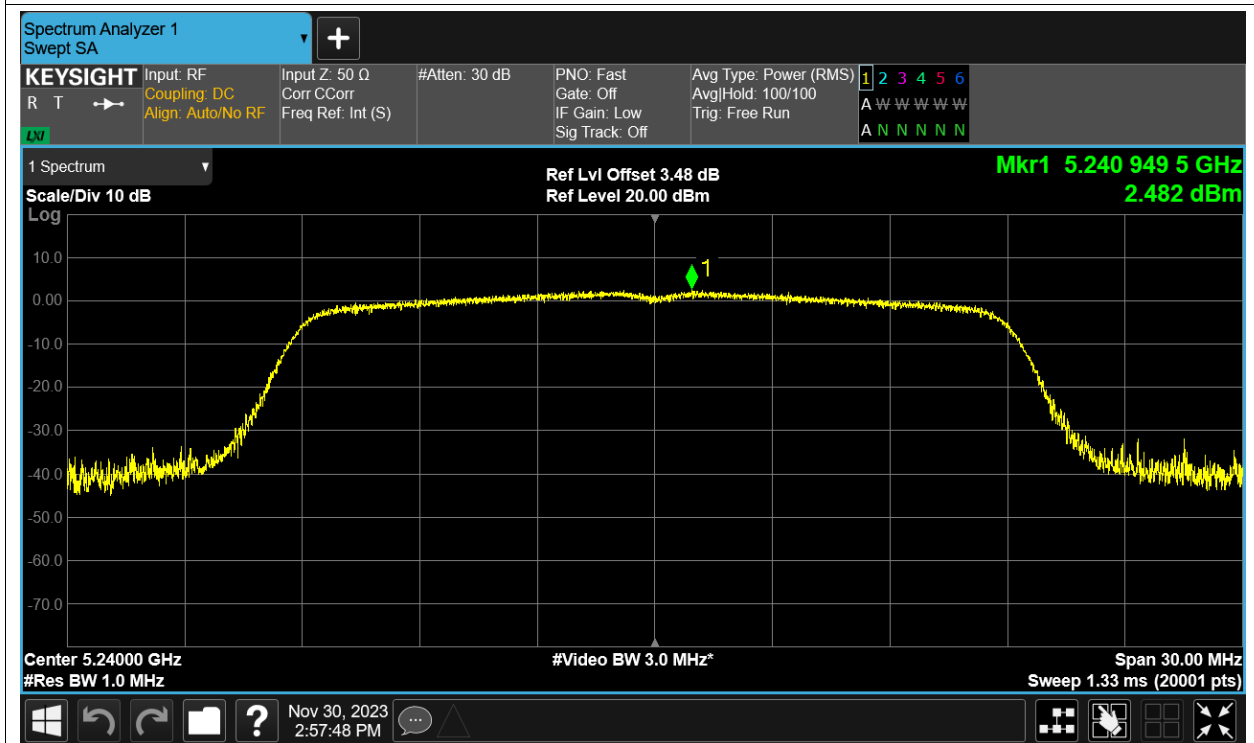
PSD NVNT ac20 5180MHz Ant13



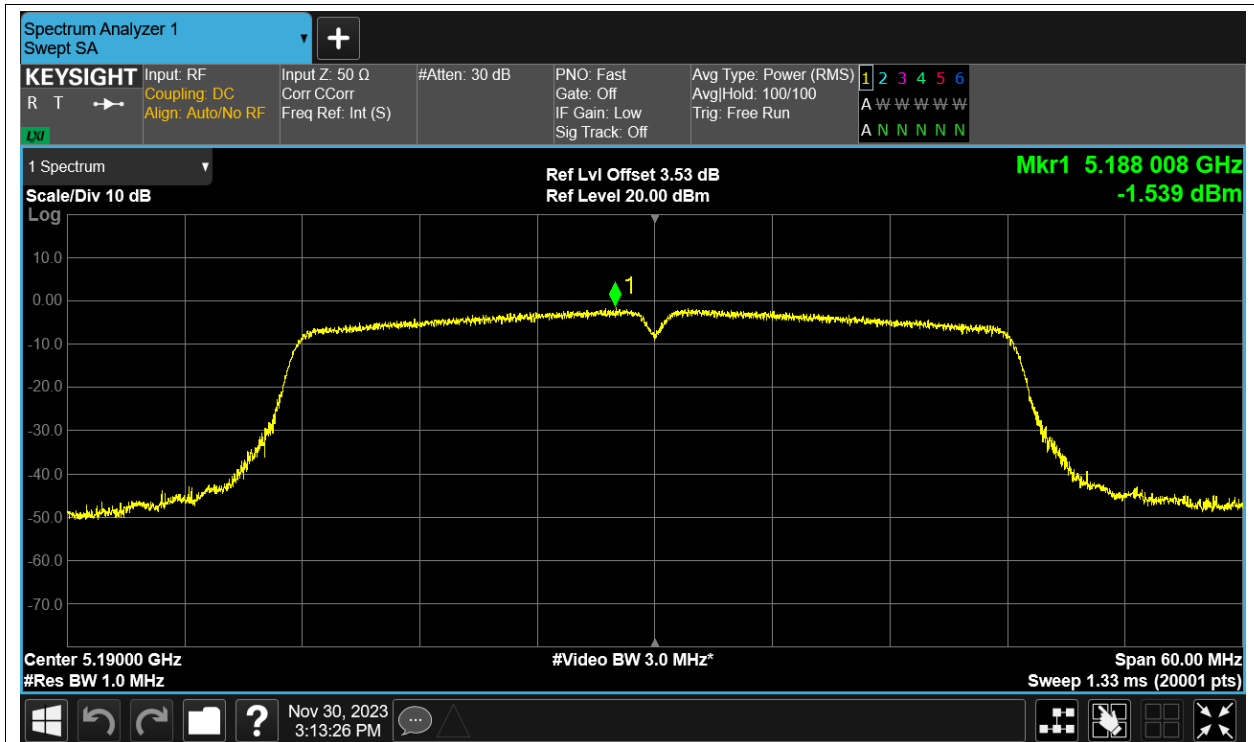
PSD NVNT ac20 5200MHz Ant13



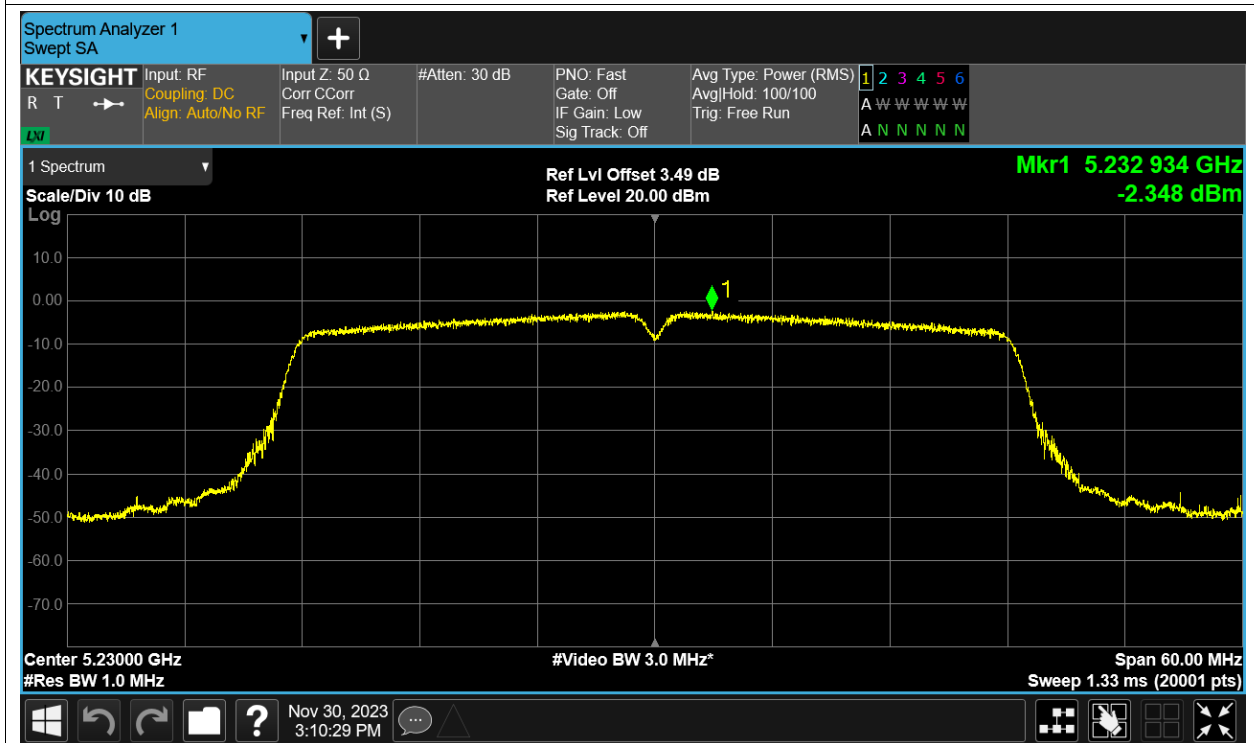
PSD NVNT ac20 5240MHz Ant13



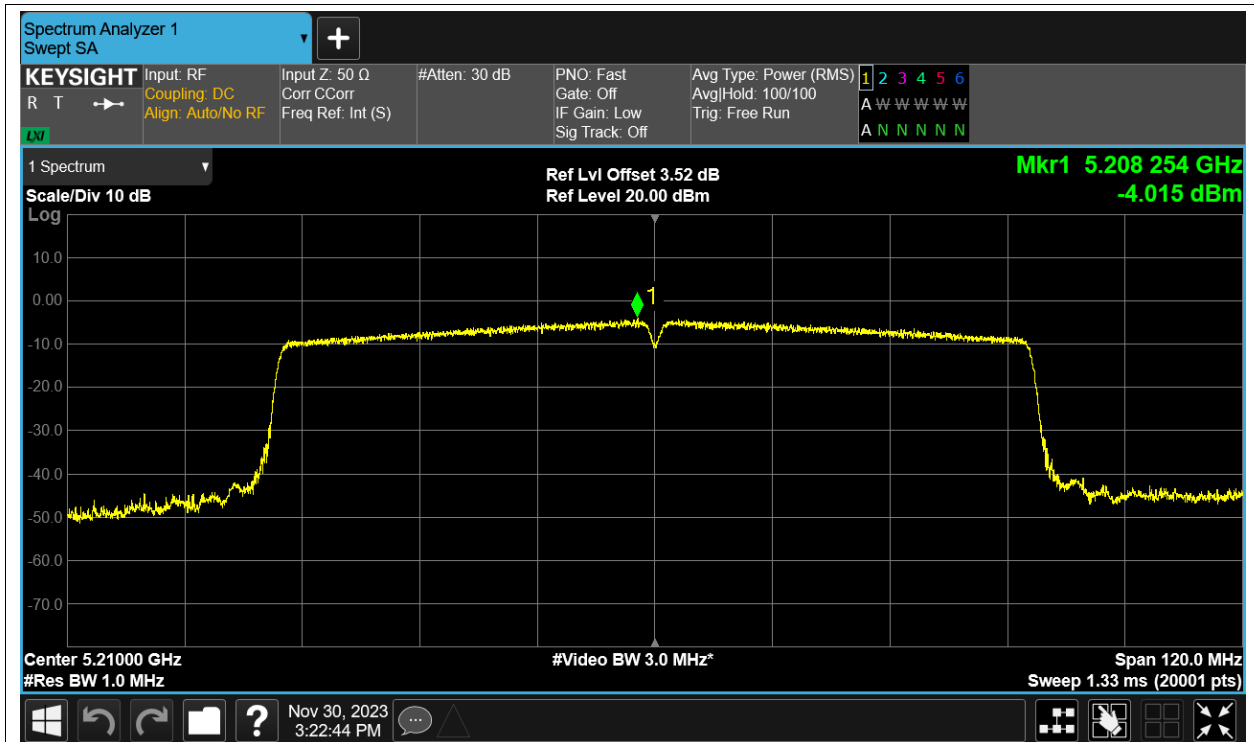
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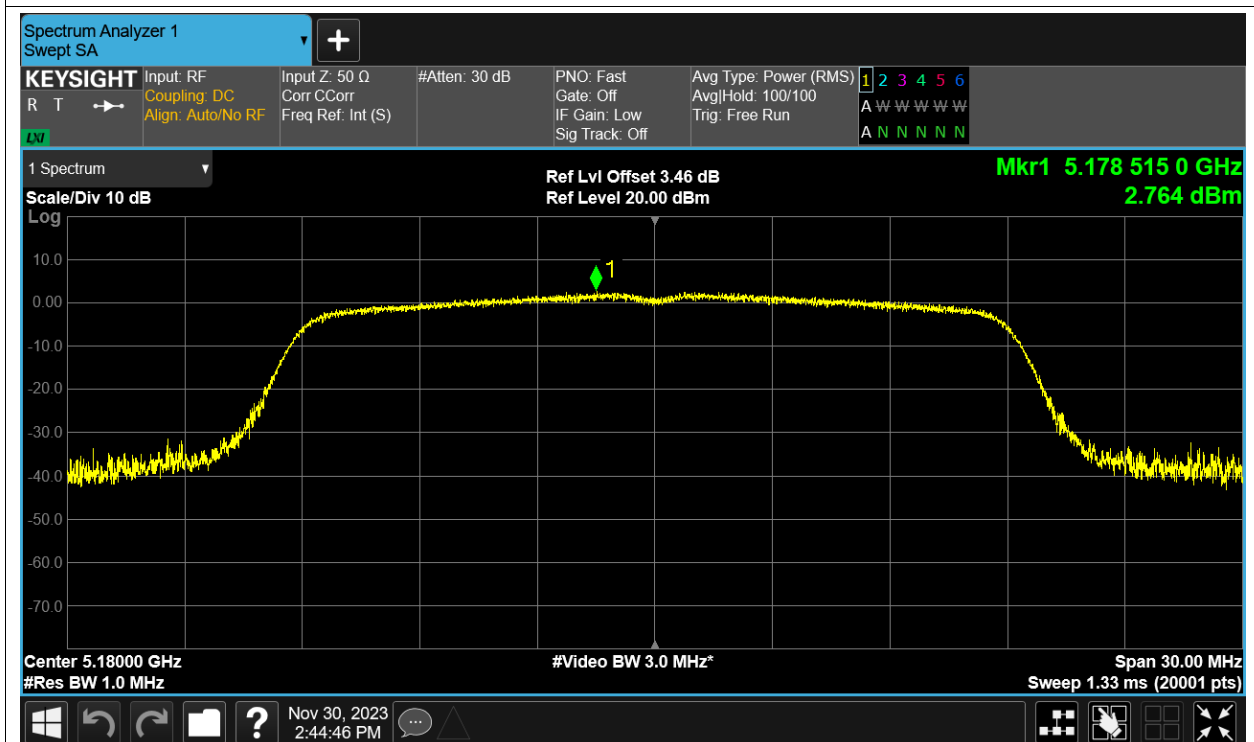
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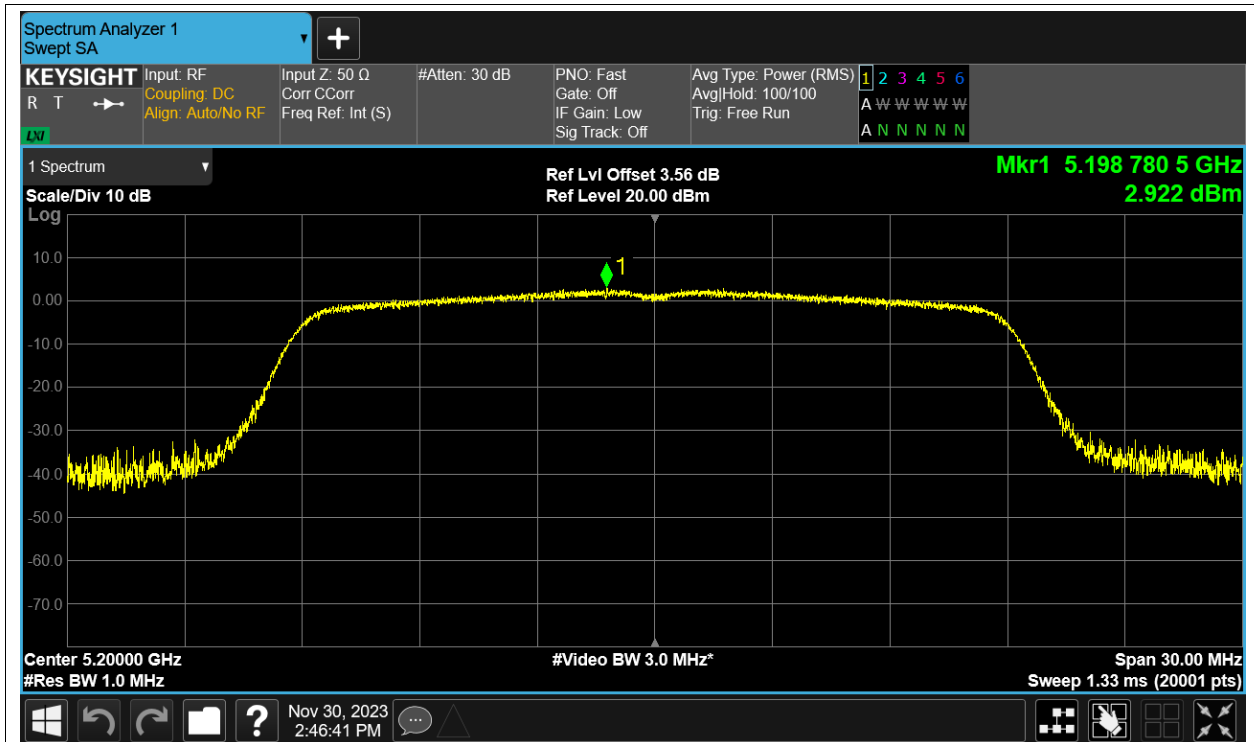
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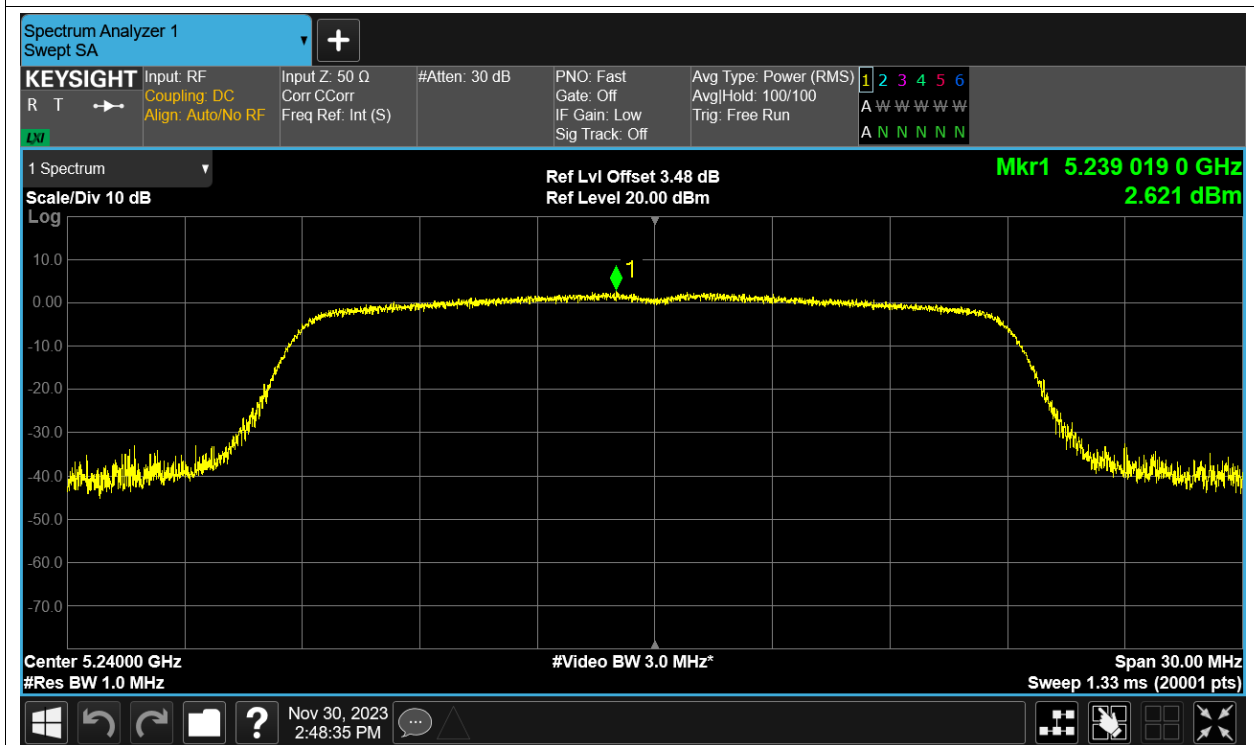
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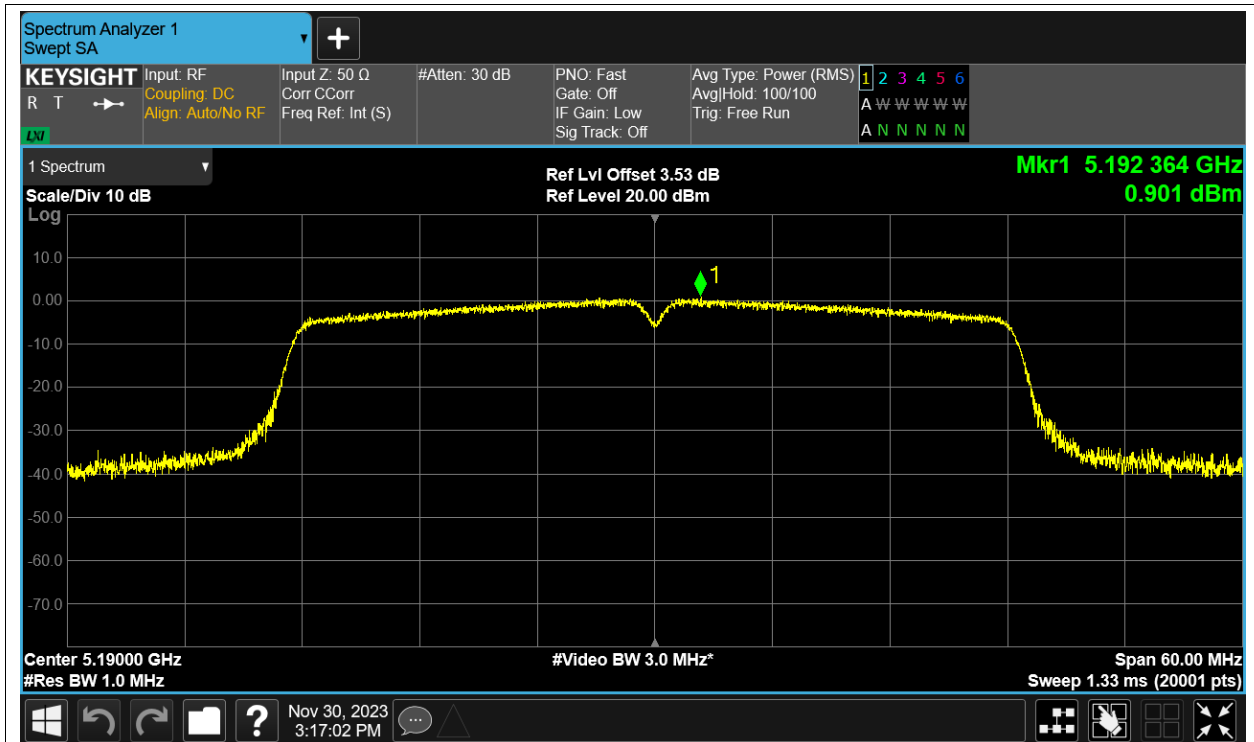
PSD NVNT n20 5200MHz Ant13



PSD NVNT n20 5240MHz Ant13



PSD NVNT n40 5190MHz Ant13



PSD NVNT n40 5230MHz Ant13

