

Test Data

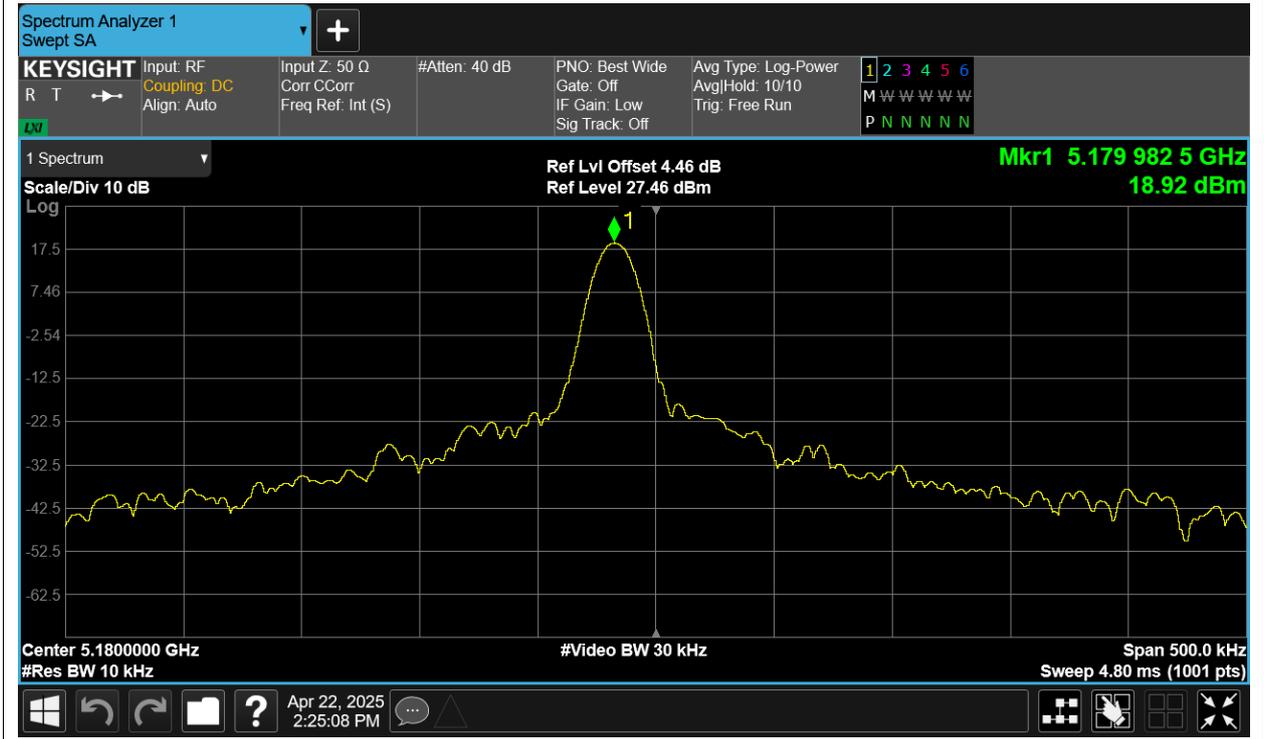
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant3	5179.9825	-3.38	Within authorized band	Pass
LVNT	a	5180	Ant3	5179.983	-3.28		Pass
NVHT	a	5180	Ant3	5179.9835	-3.19		Pass
NVLT	a	5180	Ant3	5179.9835	-3.19		Pass
NVNT	a	5180	Ant3	5179.9845	-2.99		Pass
HVNT	ac80	5210	Ant3	5209.9805	-3.74		Pass
LVNT	ac80	5210	Ant3	5209.981	-3.65		Pass
NVHT	ac80	5210	Ant3	5209.981	-3.65		Pass
NVLT	ac80	5210	Ant3	5209.9815	-3.55		Pass
NVNT	ac80	5210	Ant3	5209.981804586	-3.49		Pass
HVNT	n40	5190	Ant3	5189.9815	-3.56		Pass
LVNT	n40	5190	Ant3	5189.9815	-3.56		Pass
NVHT	n40	5190	Ant3	5189.982	-3.47		Pass
NVLT	n40	5190	Ant3	5189.9825	-3.37		Pass
NVNT	n40	5190	Ant3	5189.983	-3.28		Pass

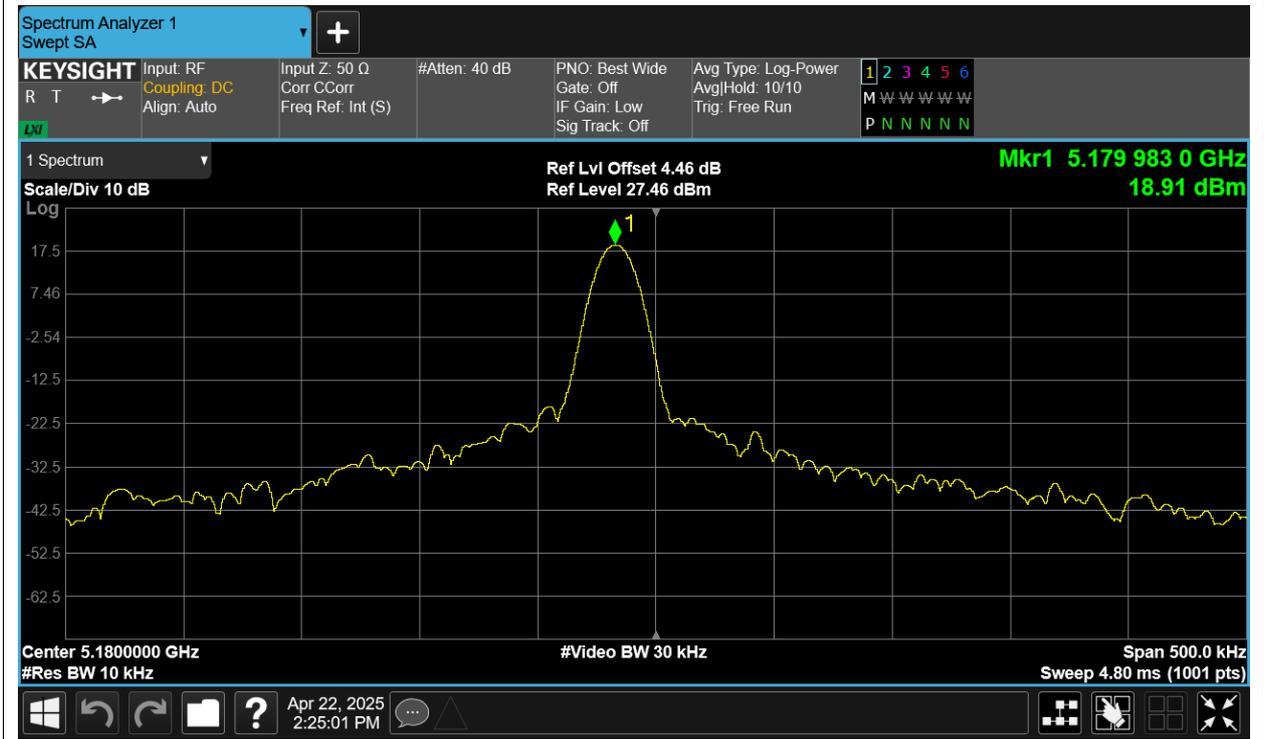
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

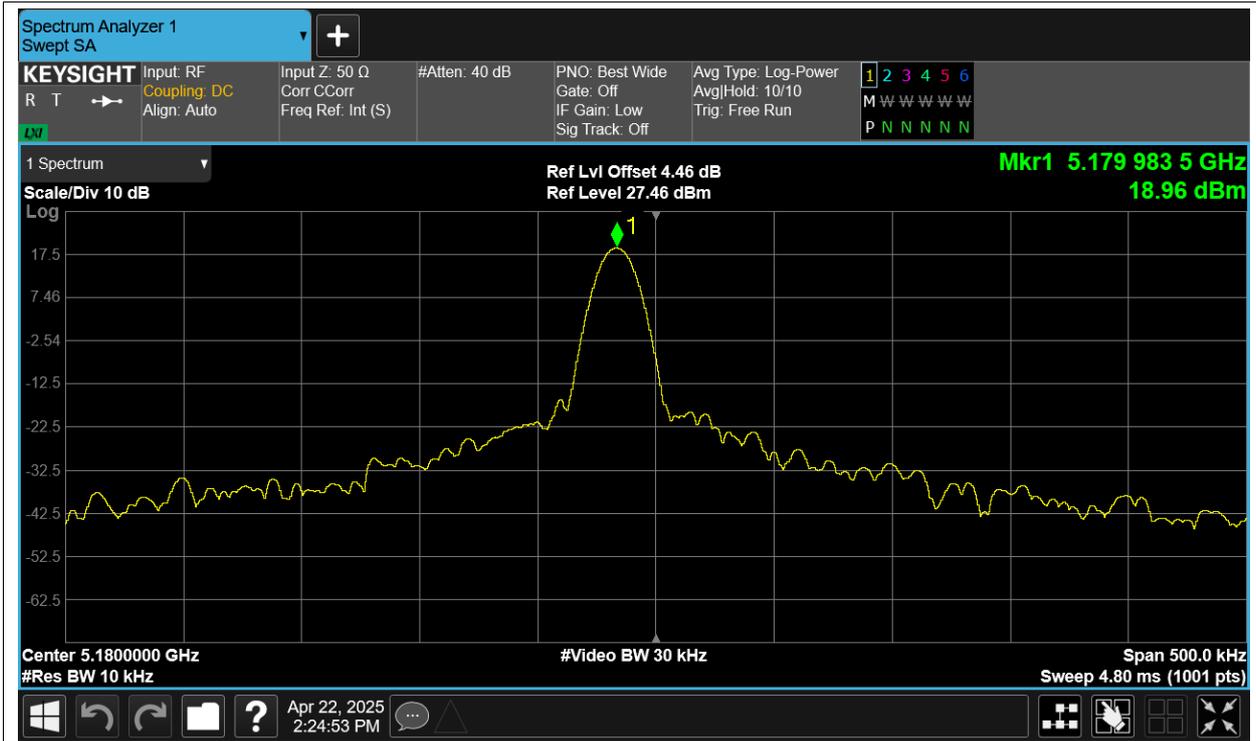
Freq. Stability HVNT a 5180MHz Ant3



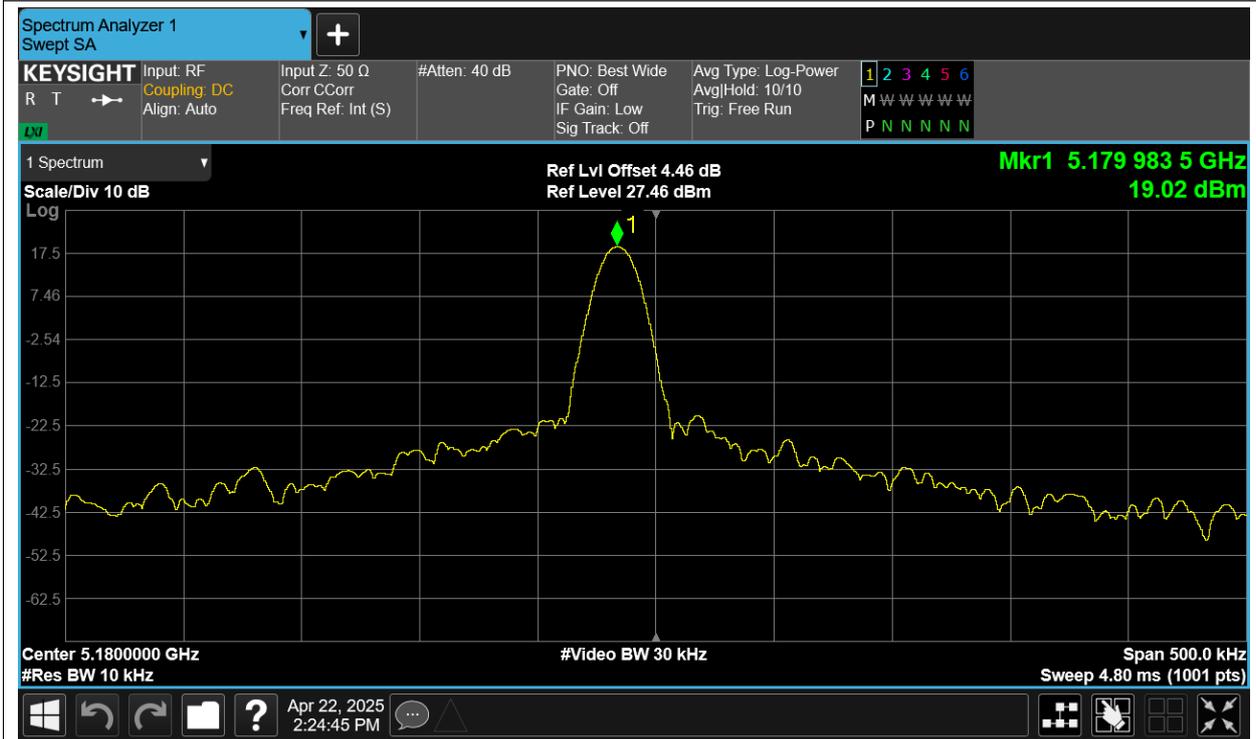
Freq. Stability LVNT a 5180MHz Ant3



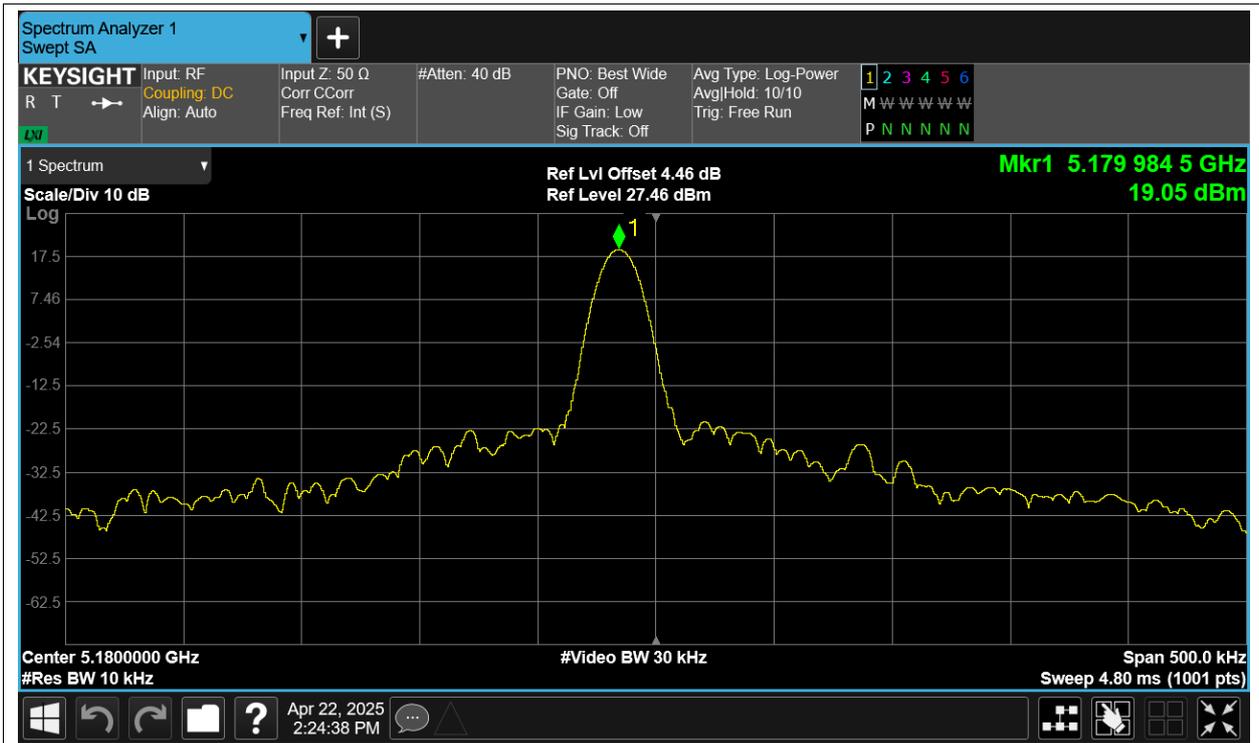
Freq. Stability NVHT a 5180MHz Ant3



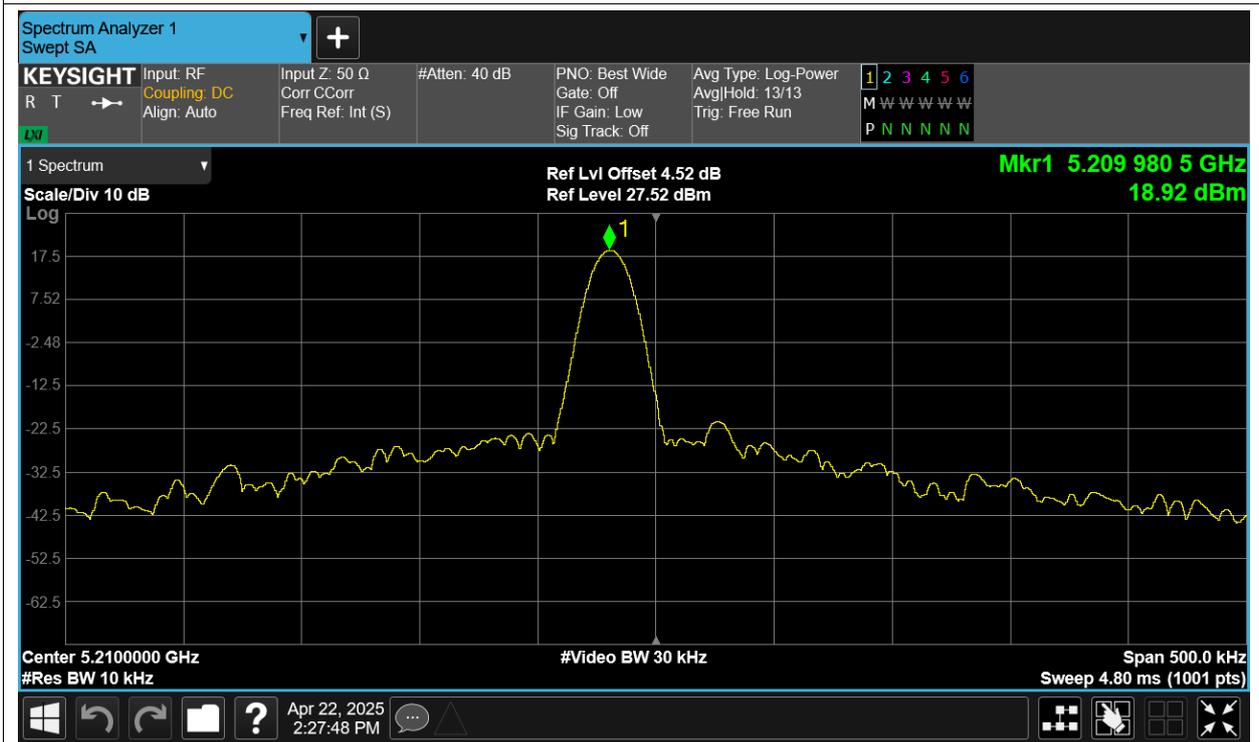
Freq. Stability NVLT a 5180MHz Ant3



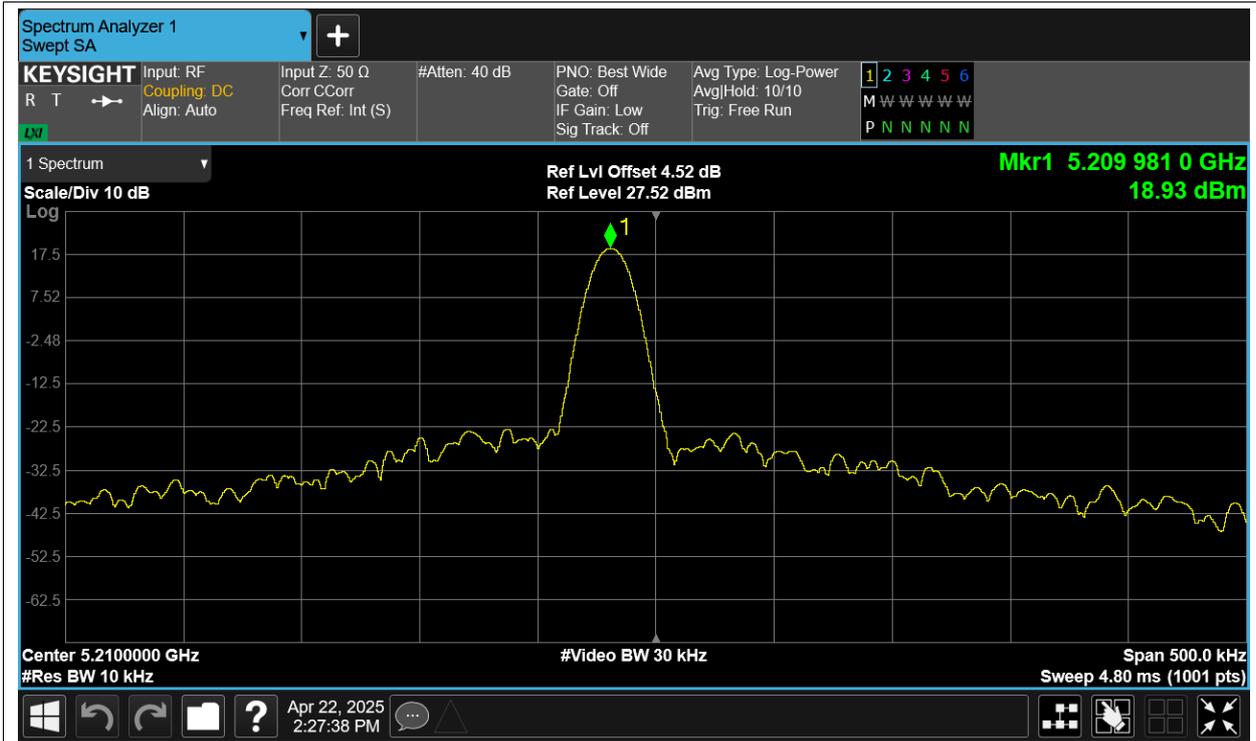
Freq. Stability NVNT a 5180MHz Ant3



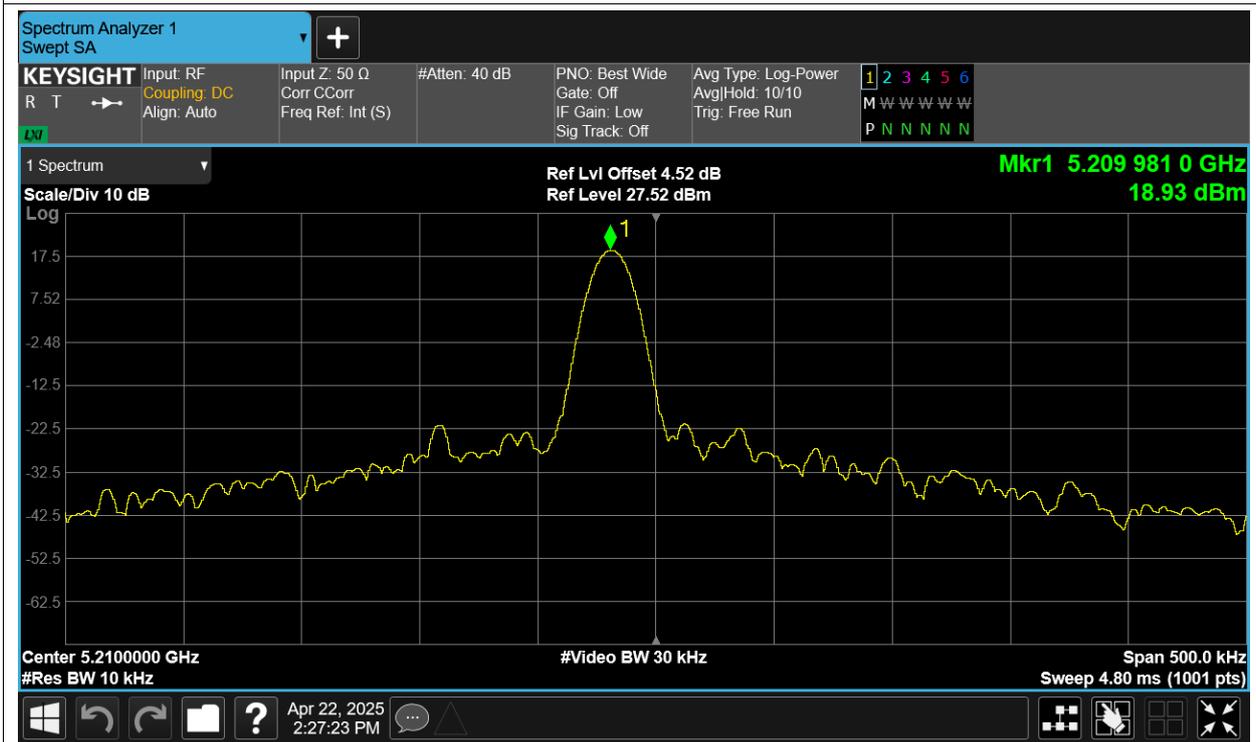
Freq. Stability HVNT ac80 5210MHz Ant3



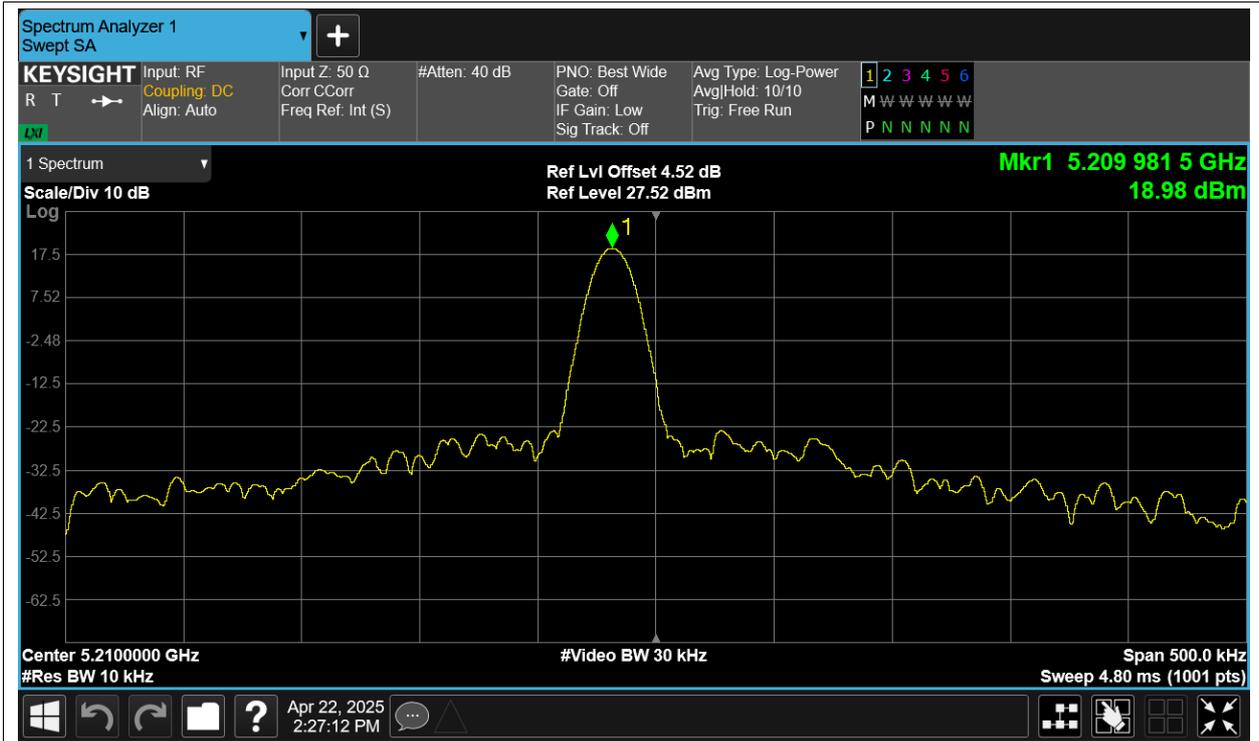
Freq. Stability LVNT ac80 5210MHz Ant3



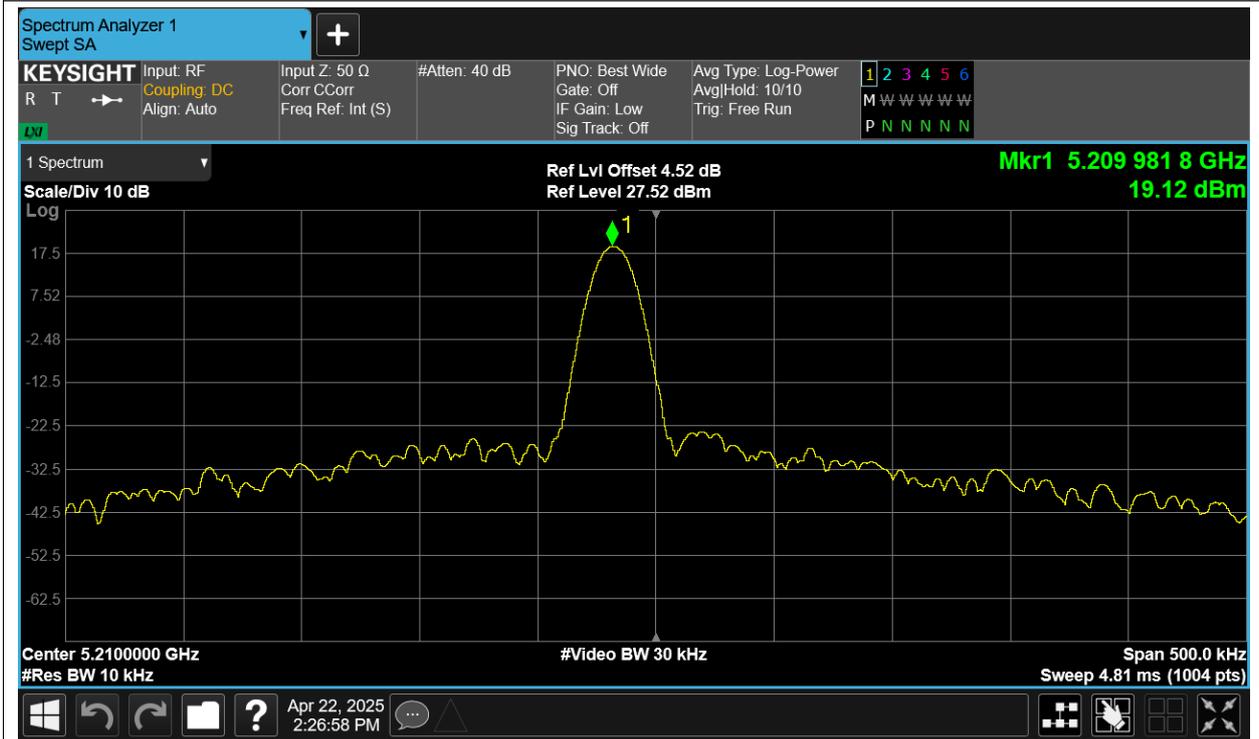
Freq. Stability NVHT ac80 5210MHz Ant3



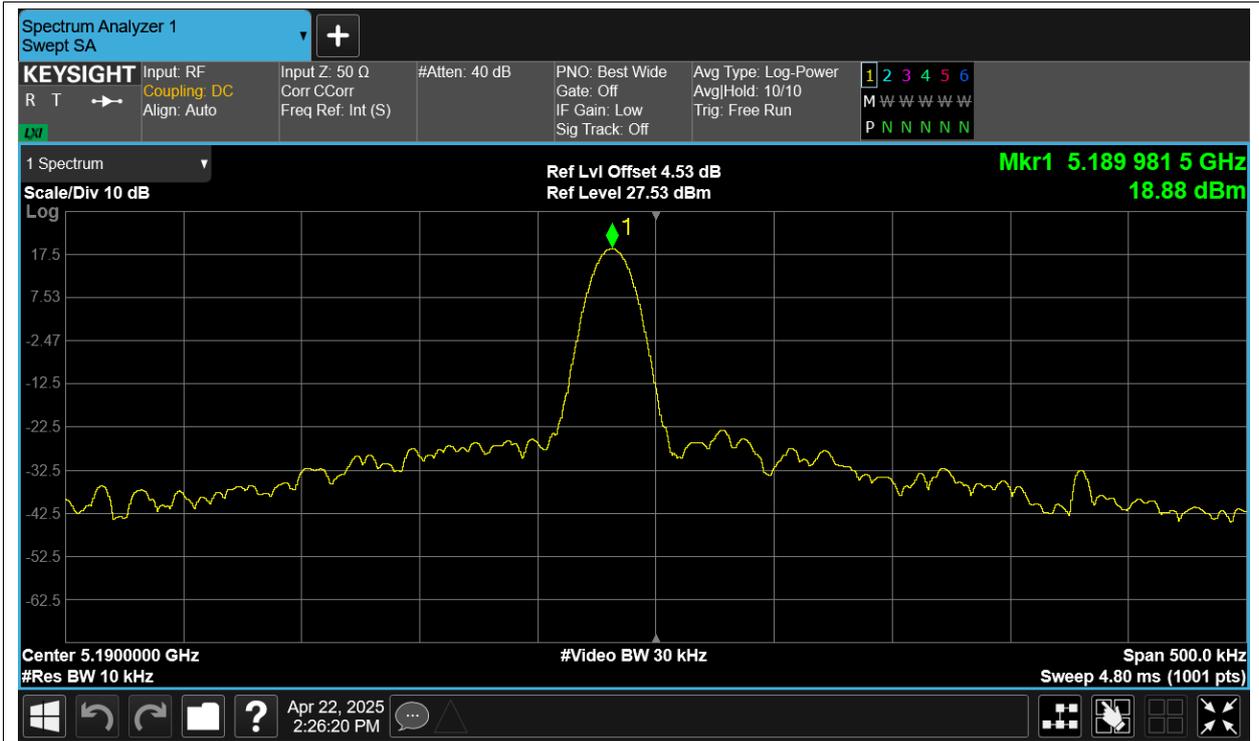
Freq. Stability NVLT ac80 5210MHz Ant3



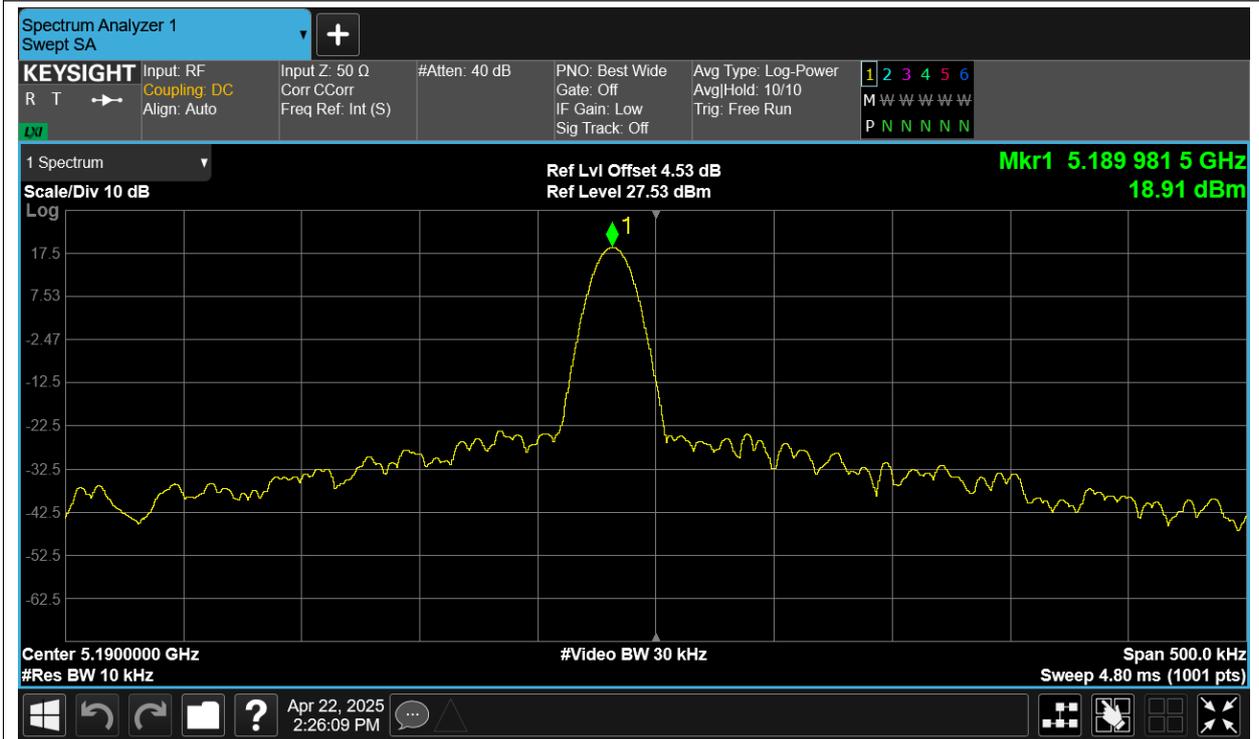
Freq. Stability NVNT ac80 5210MHz Ant3



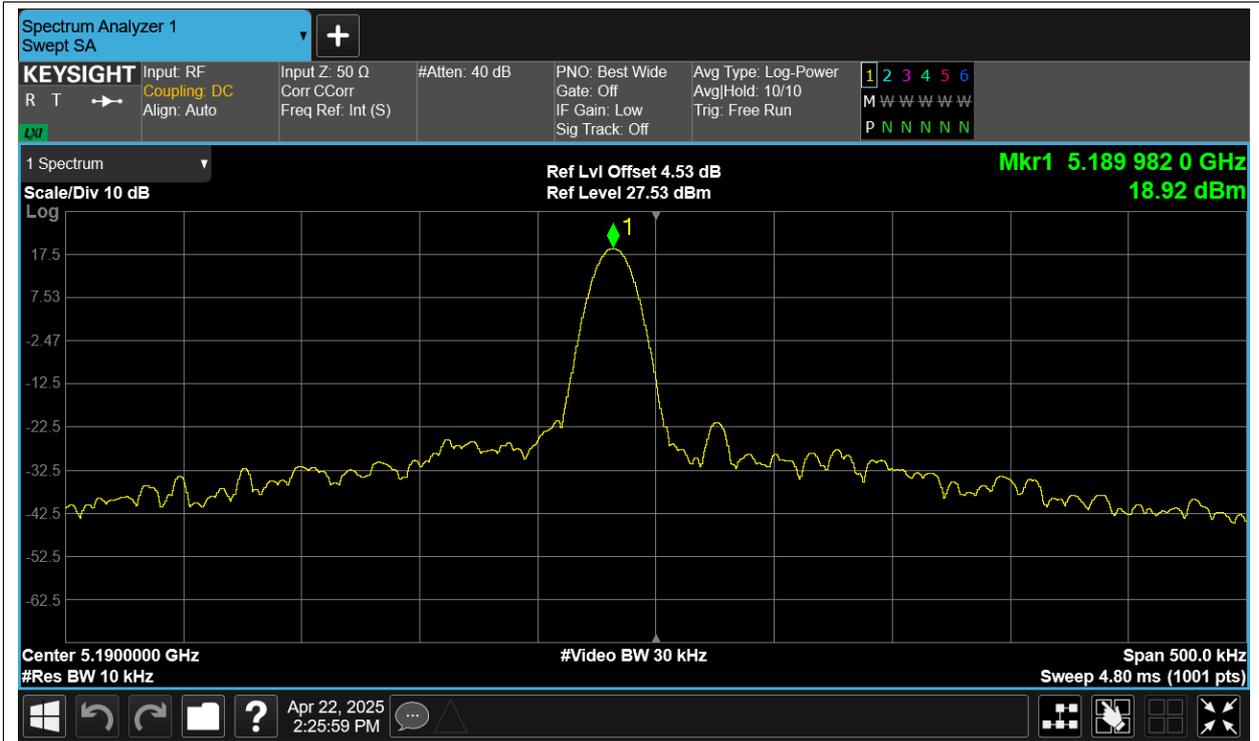
Freq. Stability HVNT n40 5190MHz Ant3



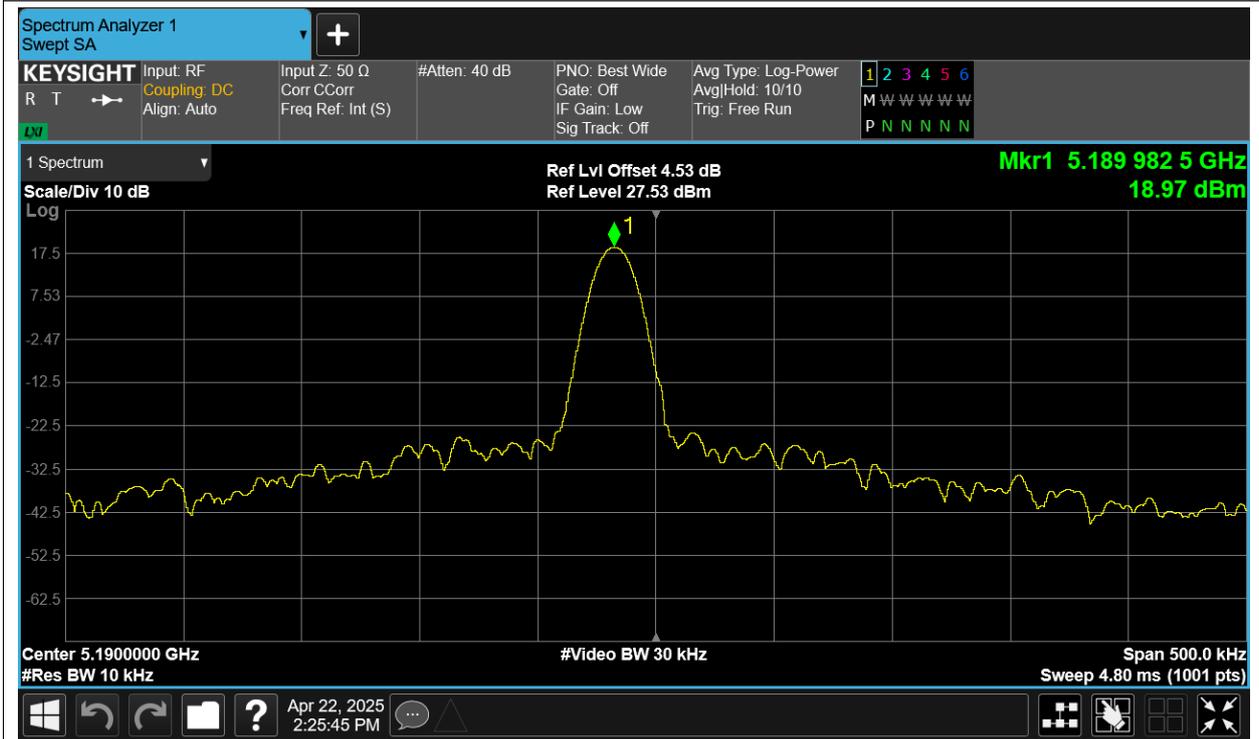
Freq. Stability LVNT n40 5190MHz Ant3



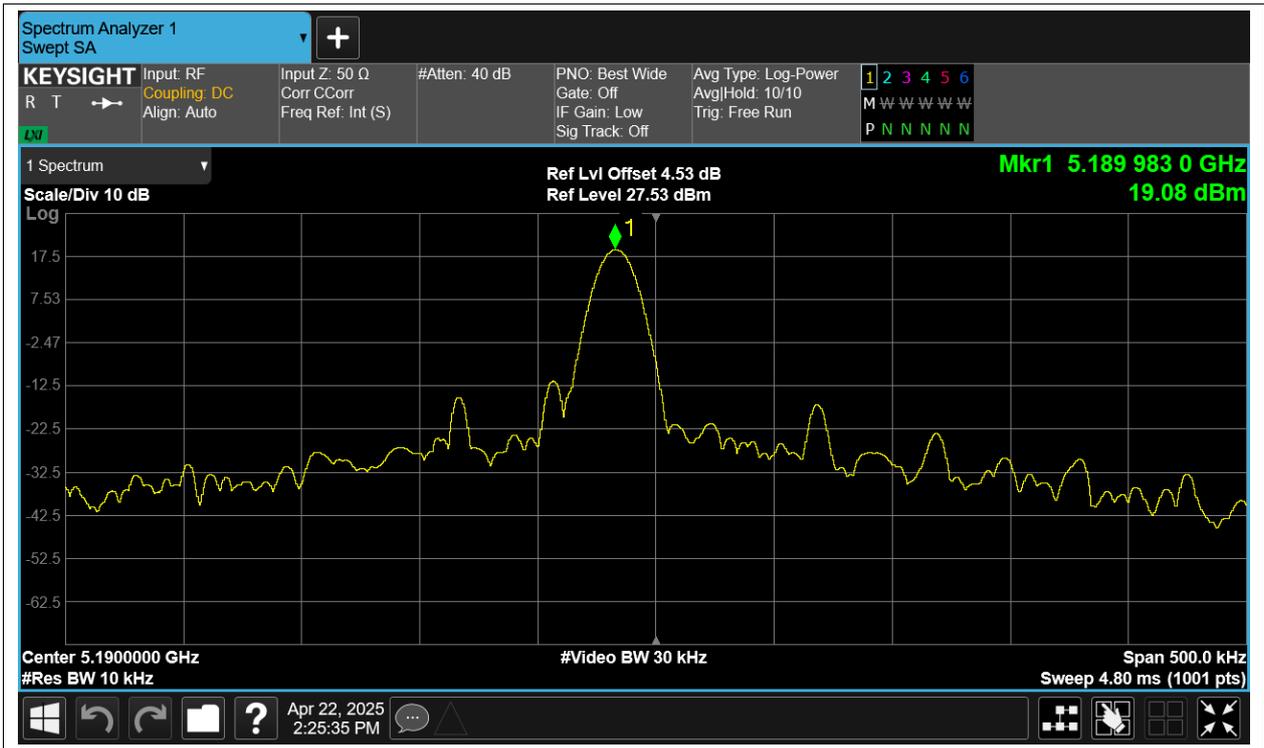
Freq. Stability NVHT n40 5190MHz Ant3



Freq. Stability NVLT n40 5190MHz Ant3



Freq. Stability NVNT n40 5190MHz Ant3

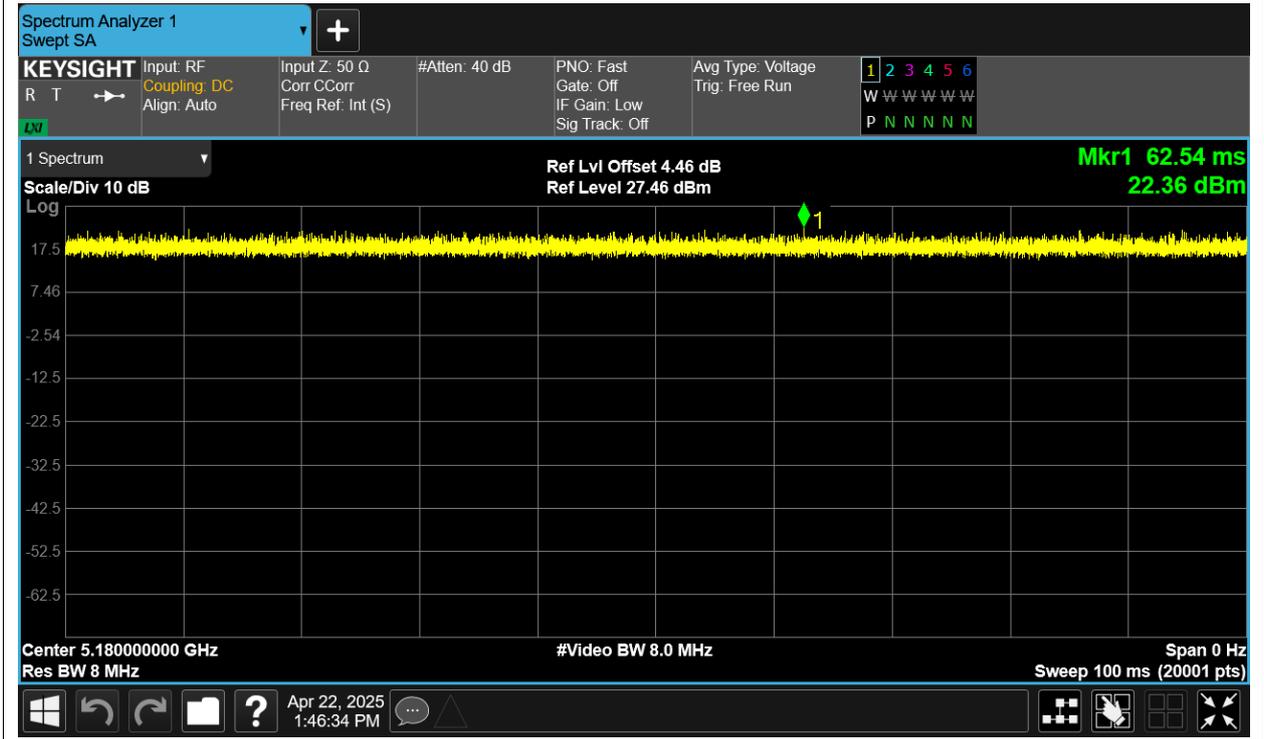


Duty Cycle

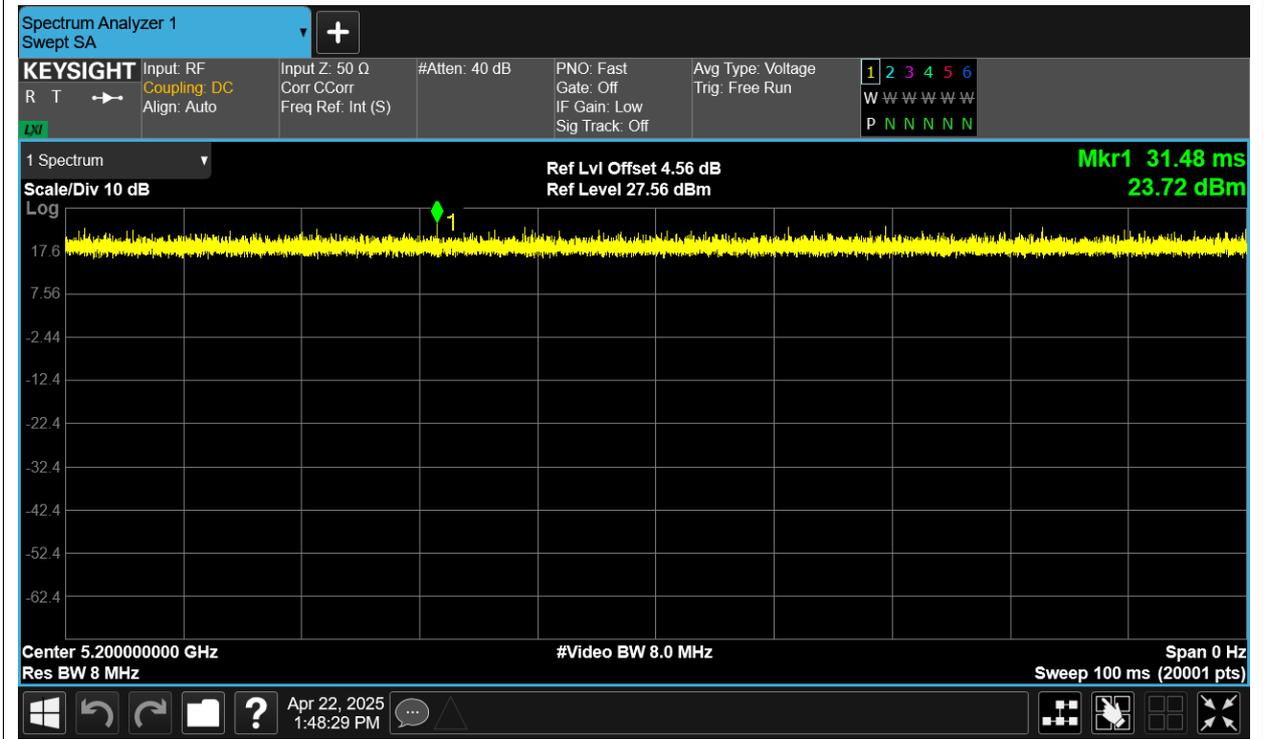
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant3	100	0
NVNT	a	5200	Ant3	100	0
NVNT	a	5240	Ant3	100	0
NVNT	ac20	5180	Ant3	100	0
NVNT	ac20	5200	Ant3	100	0
NVNT	ac20	5240	Ant3	100	0
NVNT	ac40	5190	Ant3	100	0
NVNT	ac40	5230	Ant3	100	0
NVNT	ac80	5210	Ant3	100	0
NVNT	n20	5180	Ant3	100	0
NVNT	n20	5200	Ant3	100	0
NVNT	n20	5240	Ant3	100	0
NVNT	n40	5190	Ant3	100	0
NVNT	n40	5230	Ant3	100	0

Test Graphs

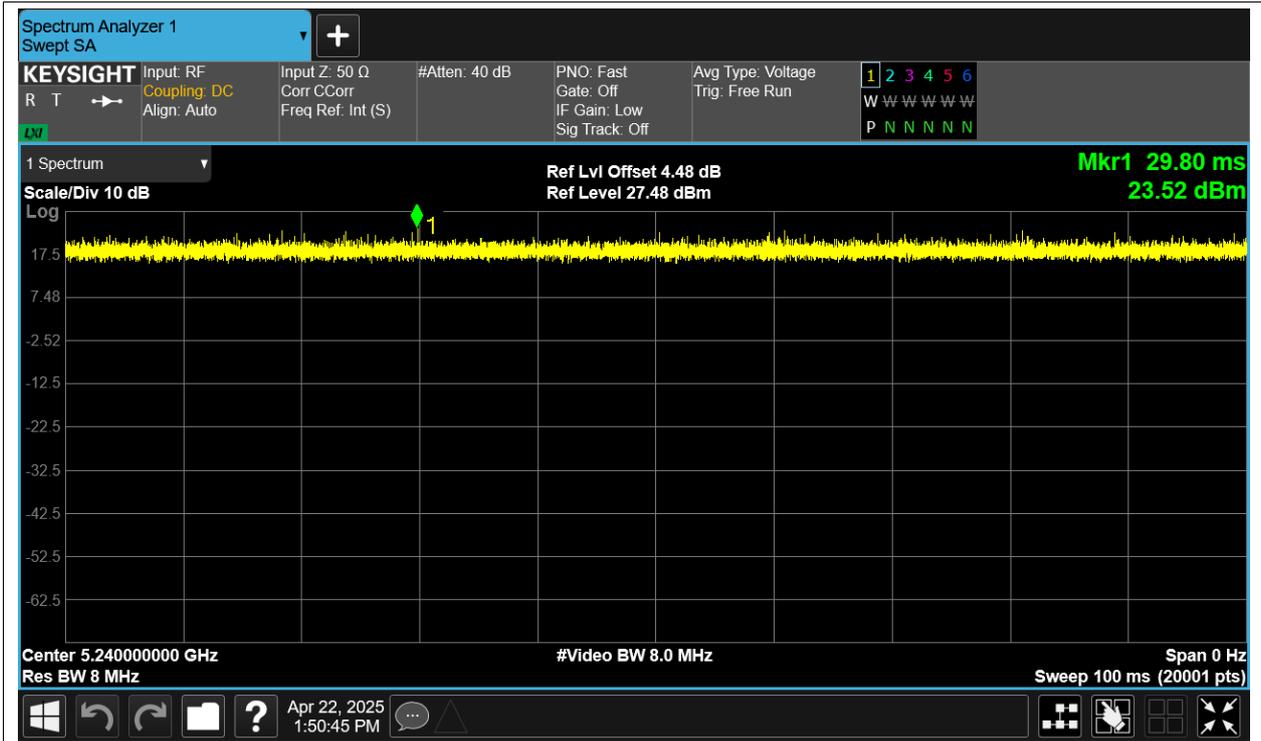
Duty Cycle NVNT a 5180MHz Ant3



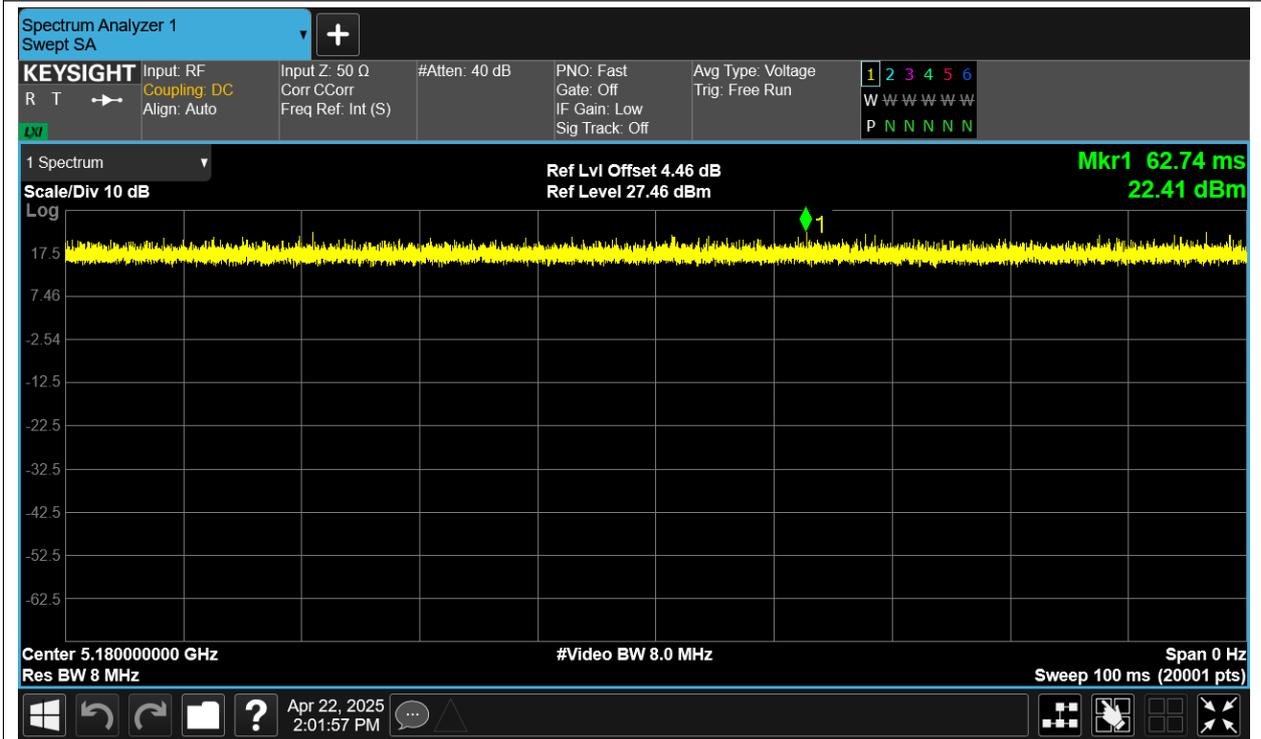
Duty Cycle NVNT a 5200MHz Ant3



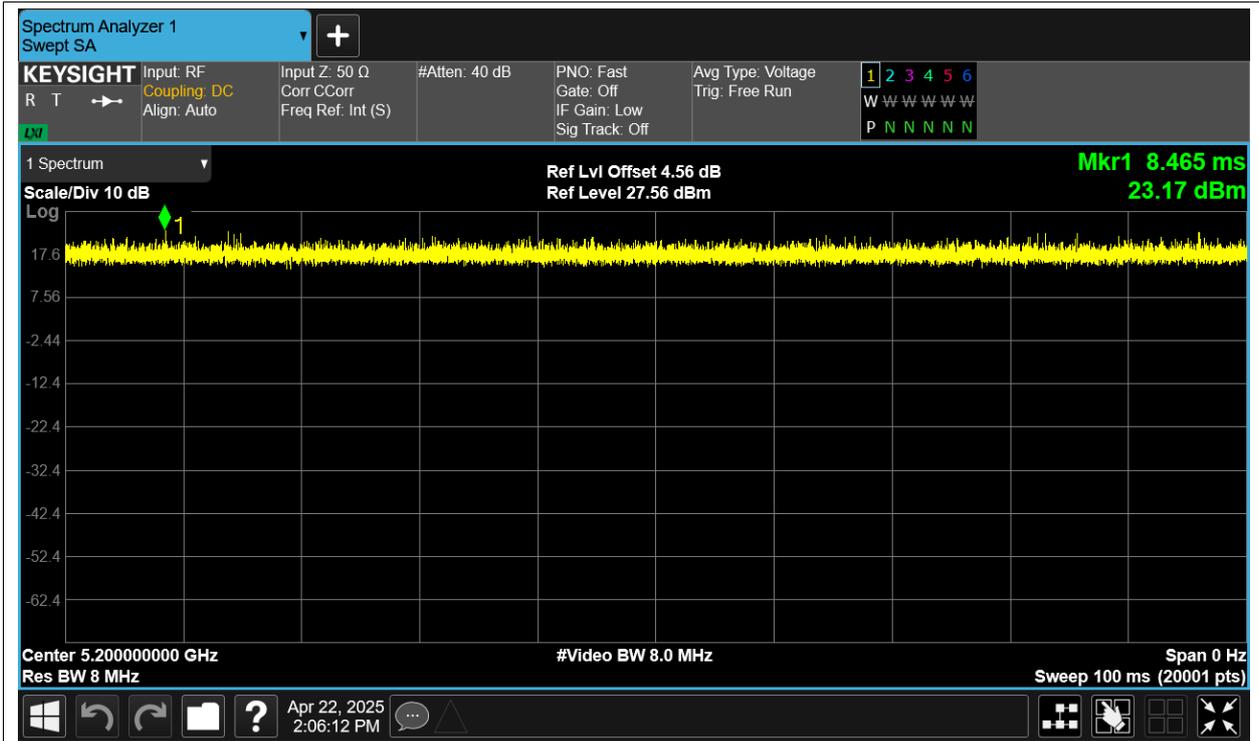
Duty Cycle NVNT a 5240MHz Ant3



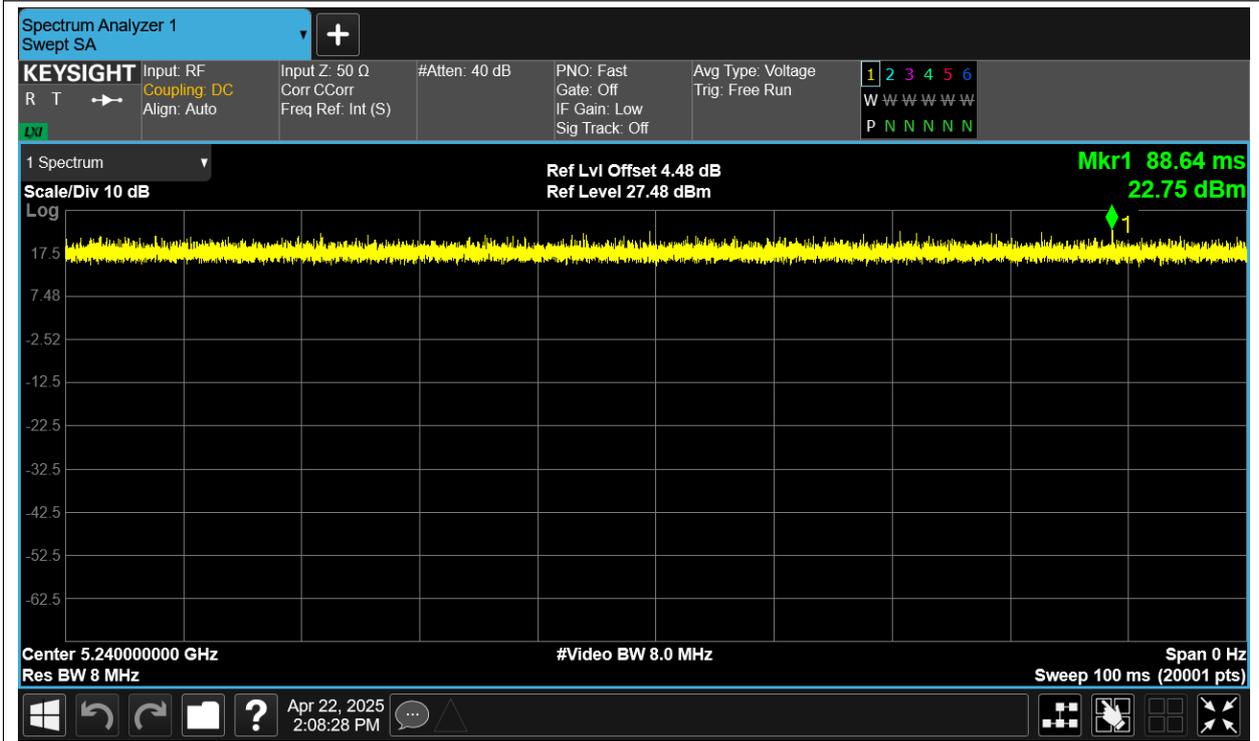
Duty Cycle NVNT ac20 5180MHz Ant3



Duty Cycle NVNT ac20 5200MHz Ant3



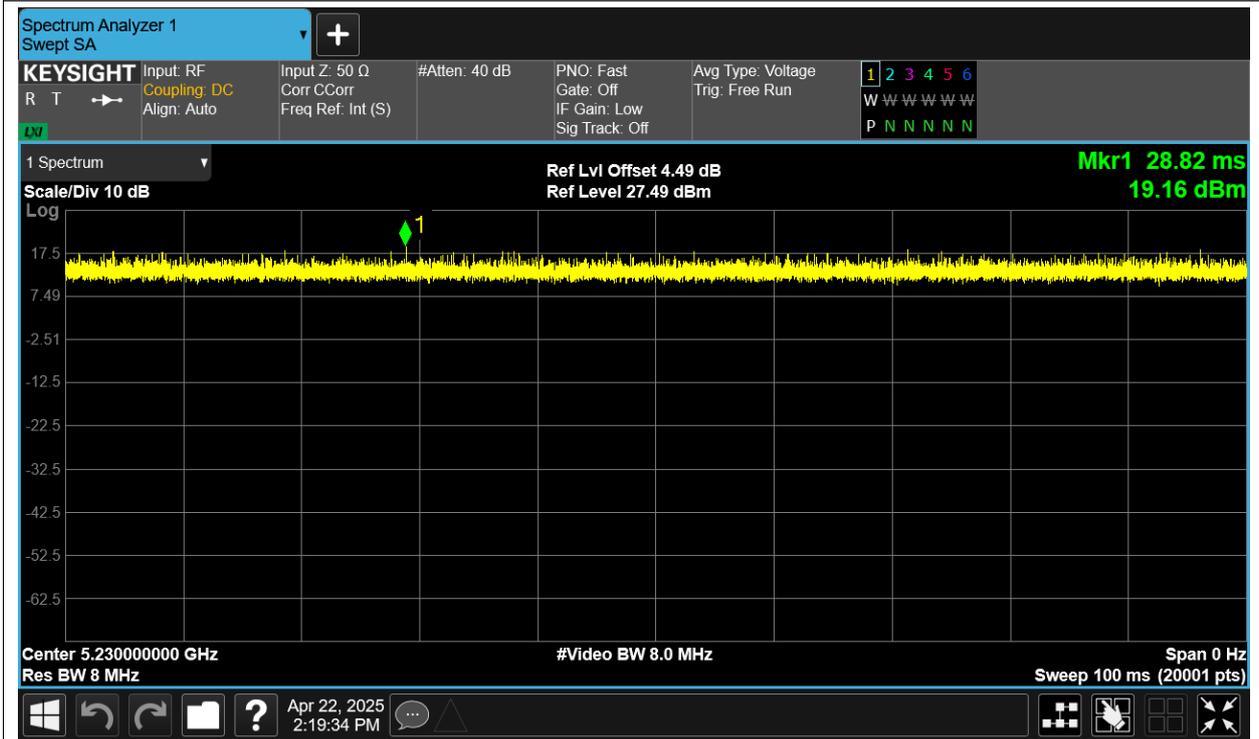
Duty Cycle NVNT ac20 5240MHz Ant3



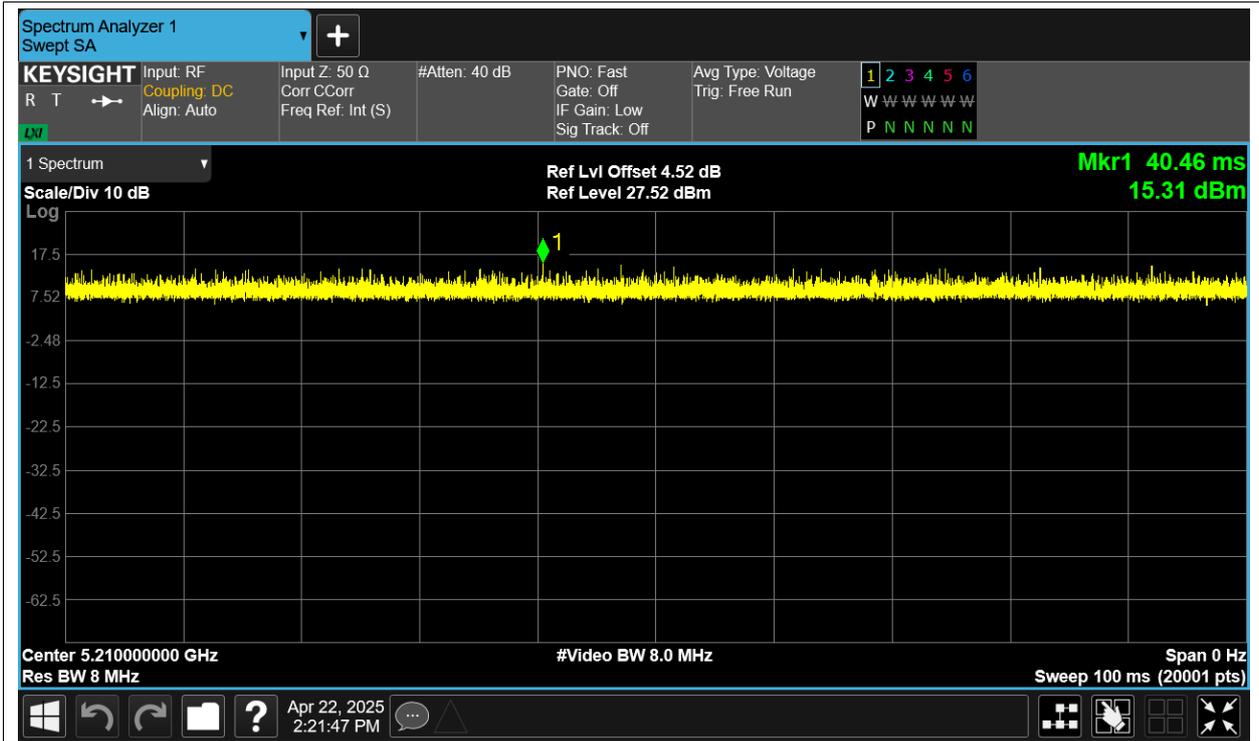
Duty Cycle NVNT ac40 5190MHz Ant3



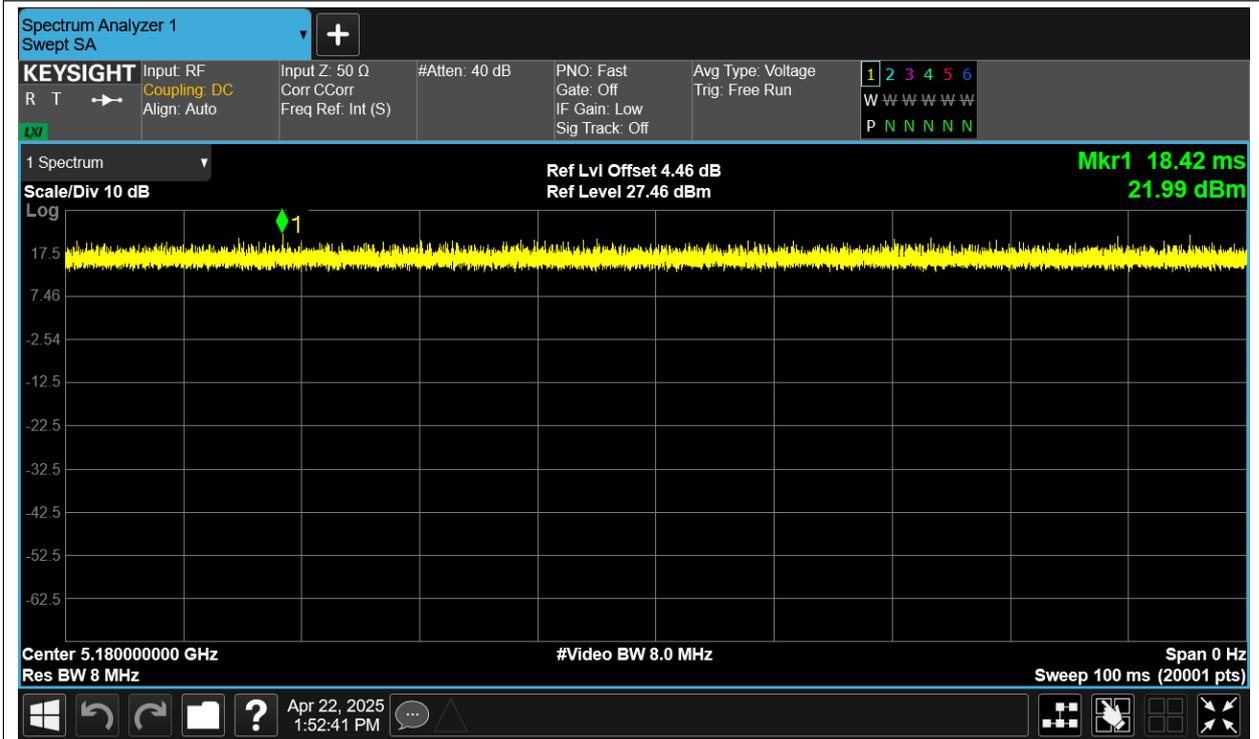
Duty Cycle NVNT ac40 5230MHz Ant3



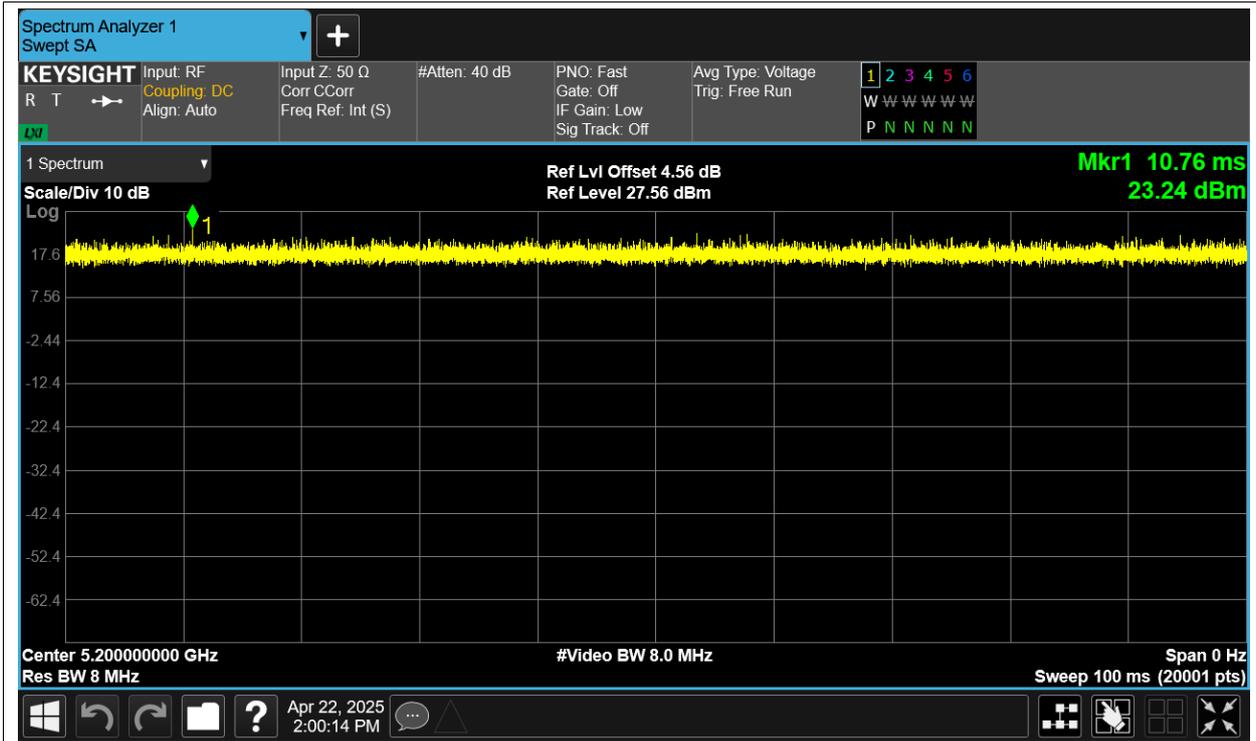
Duty Cycle NVNT ac80 5210MHz Ant3



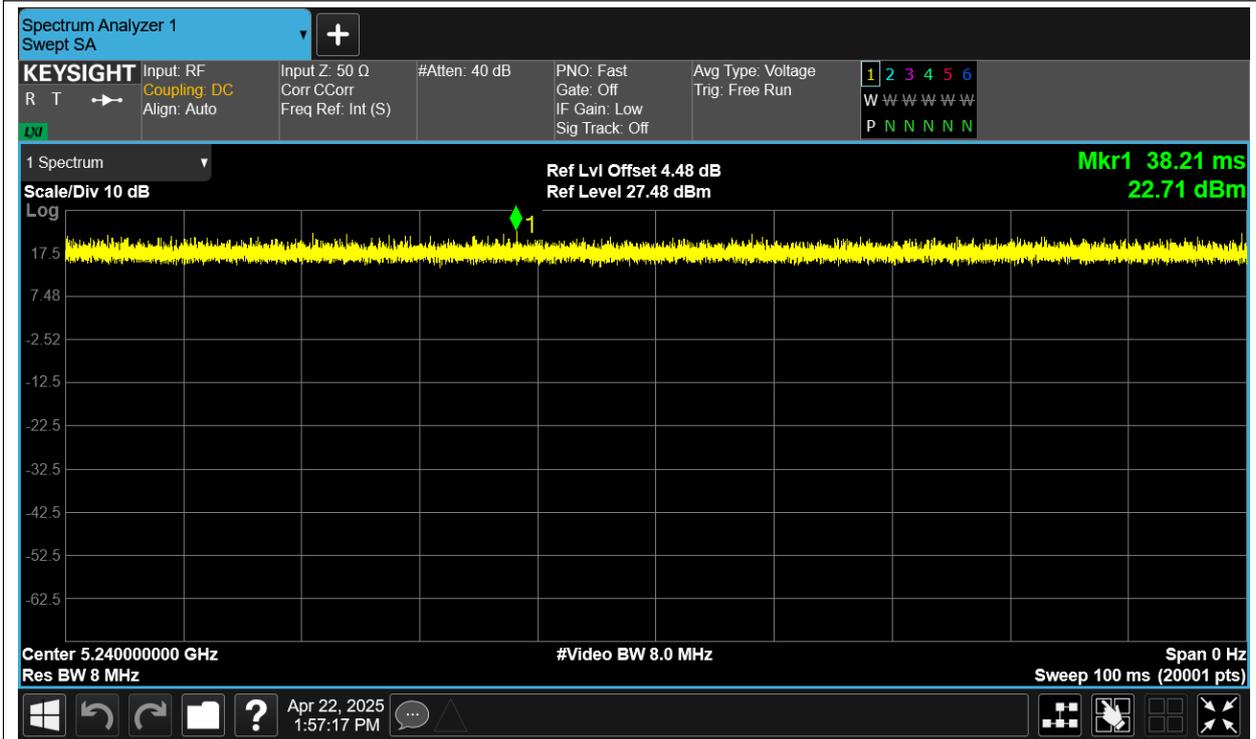
Duty Cycle NVNT n20 5180MHz Ant3



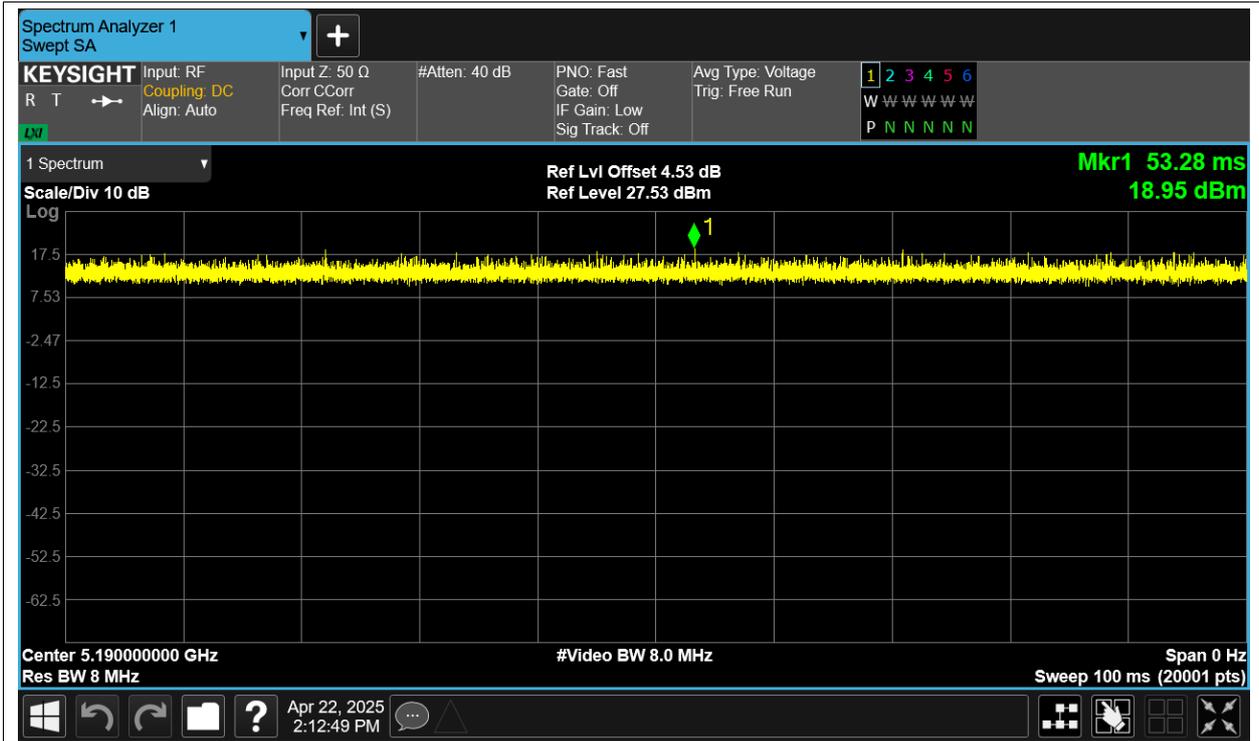
Duty Cycle NVNT n20 5200MHz Ant3



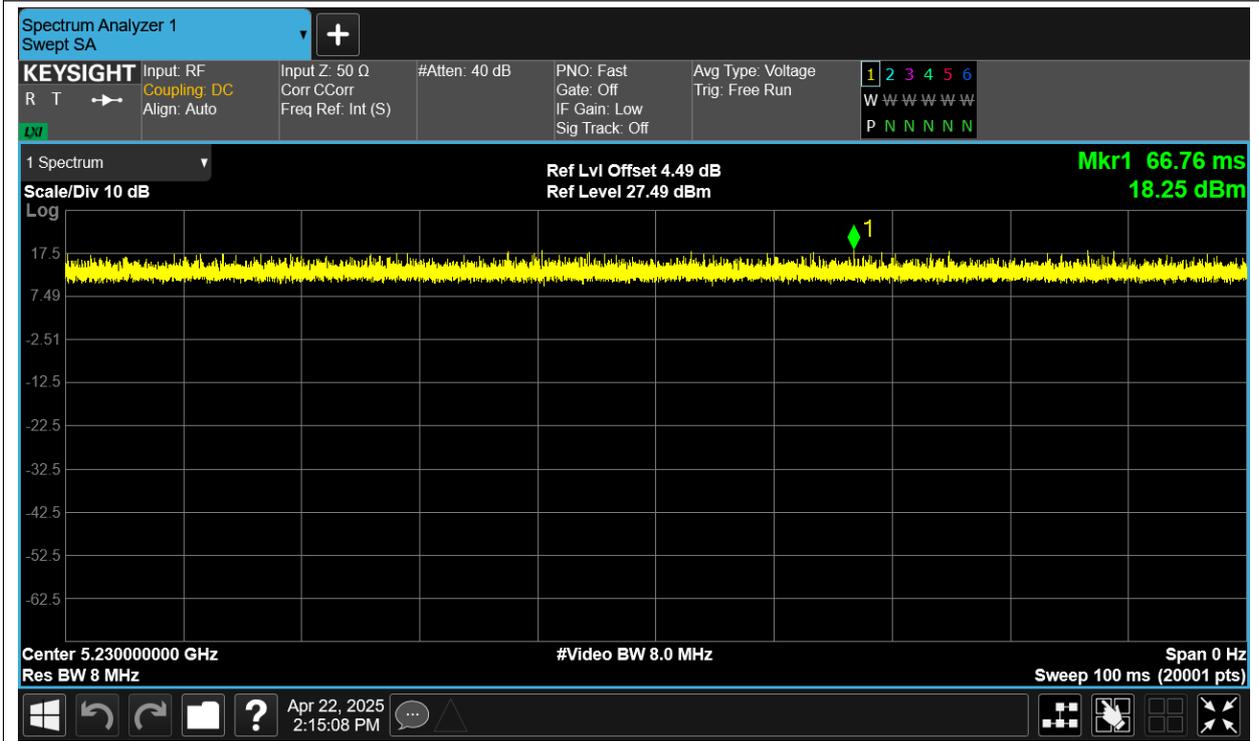
Duty Cycle NVNT n20 5240MHz Ant3



Duty Cycle NVNT n40 5190MHz Ant3



Duty Cycle NVNT n40 5230MHz Ant3

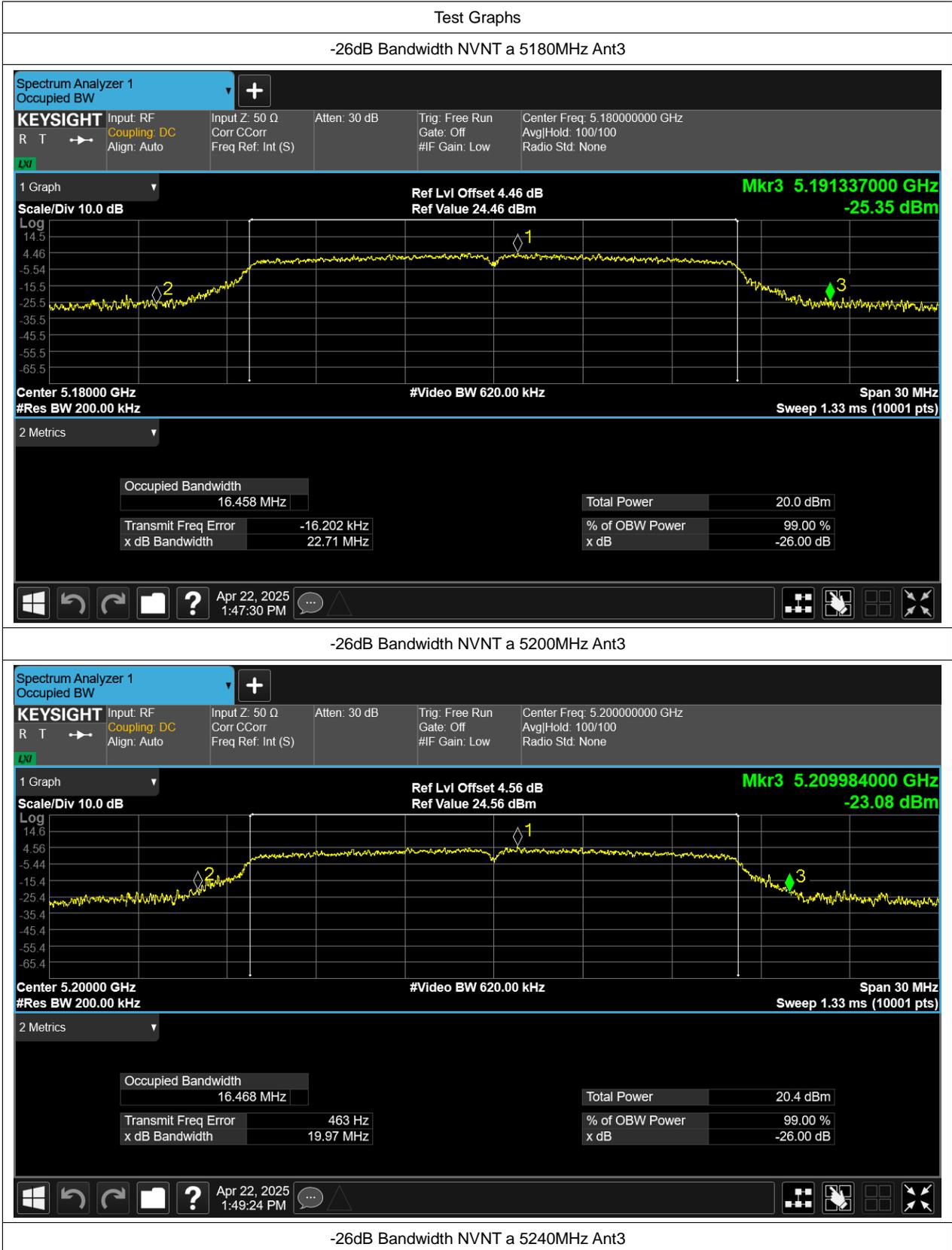


Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant3	13.71	0	13.71	24	Pass
NVNT	a	5200	Ant3	14.62	0	14.62	24	Pass
NVNT	a	5240	Ant3	14.35	0	14.35	24	Pass
NVNT	ac20	5180	Ant3	12.9	0	12.9	24	Pass
NVNT	ac20	5200	Ant3	13.28	0	13.28	24	Pass
NVNT	ac20	5240	Ant3	13.34	0	13.34	24	Pass
NVNT	ac40	5190	Ant3	11.89	0	11.89	23	Pass
NVNT	ac40	5230	Ant3	12.46	0	12.46	24	Pass
NVNT	ac80	5210	Ant3	11.51	0	11.51	24	Pass
NVNT	n20	5180	Ant3	13.02	0	13.02	24	Pass
NVNT	n20	5200	Ant3	13.45	0	13.45	24	Pass
NVNT	n20	5240	Ant3	13.57	0	13.57	24	Pass
NVNT	n40	5190	Ant3	11.89	0	11.89	24	Pass
NVNT	n40	5230	Ant3	12.38	0	12.38	24	Pass

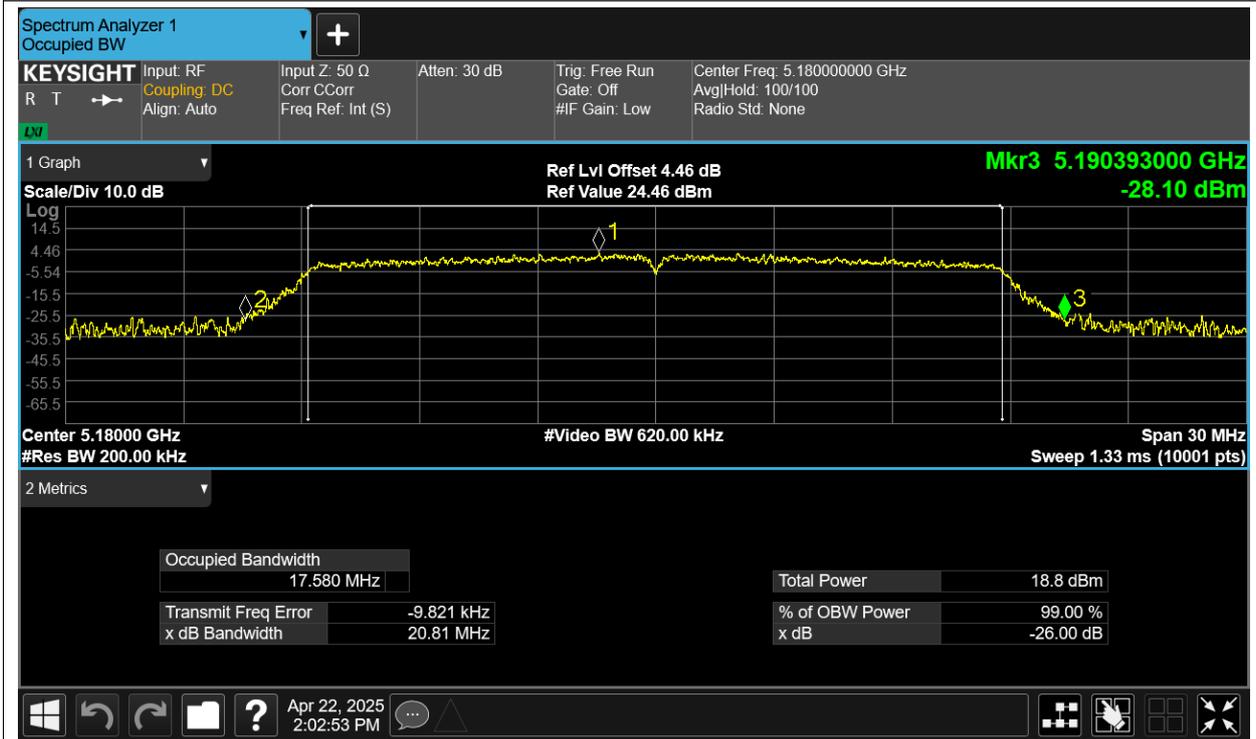
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant3	22.706
NVNT	a	5200	Ant3	19.967
NVNT	a	5240	Ant3	21.167
NVNT	ac20	5180	Ant3	20.805
NVNT	ac20	5200	Ant3	21.449
NVNT	ac20	5240	Ant3	20.207
NVNT	ac40	5190	Ant3	39.466
NVNT	ac40	5230	Ant3	39.743
NVNT	ac80	5210	Ant3	78.765
NVNT	n20	5180	Ant3	20.038
NVNT	n20	5200	Ant3	20.274
NVNT	n20	5240	Ant3	21.298
NVNT	n40	5190	Ant3	39.519
NVNT	n40	5230	Ant3	39.721





-26dB Bandwidth NVNT ac20 5180MHz Ant3



-26dB Bandwidth NVNT ac20 5200MHz Ant3



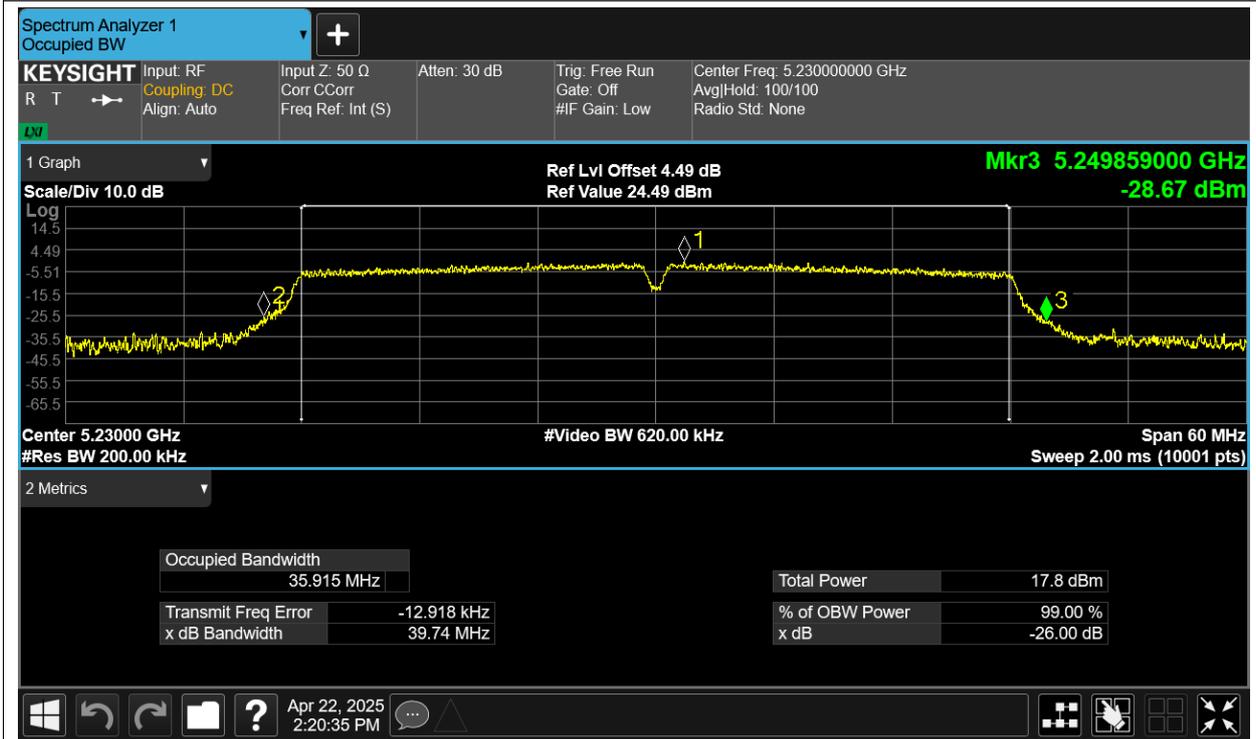
-26dB Bandwidth NVNT ac20 5240MHz Ant3



-26dB Bandwidth NVNT ac40 5190MHz Ant3



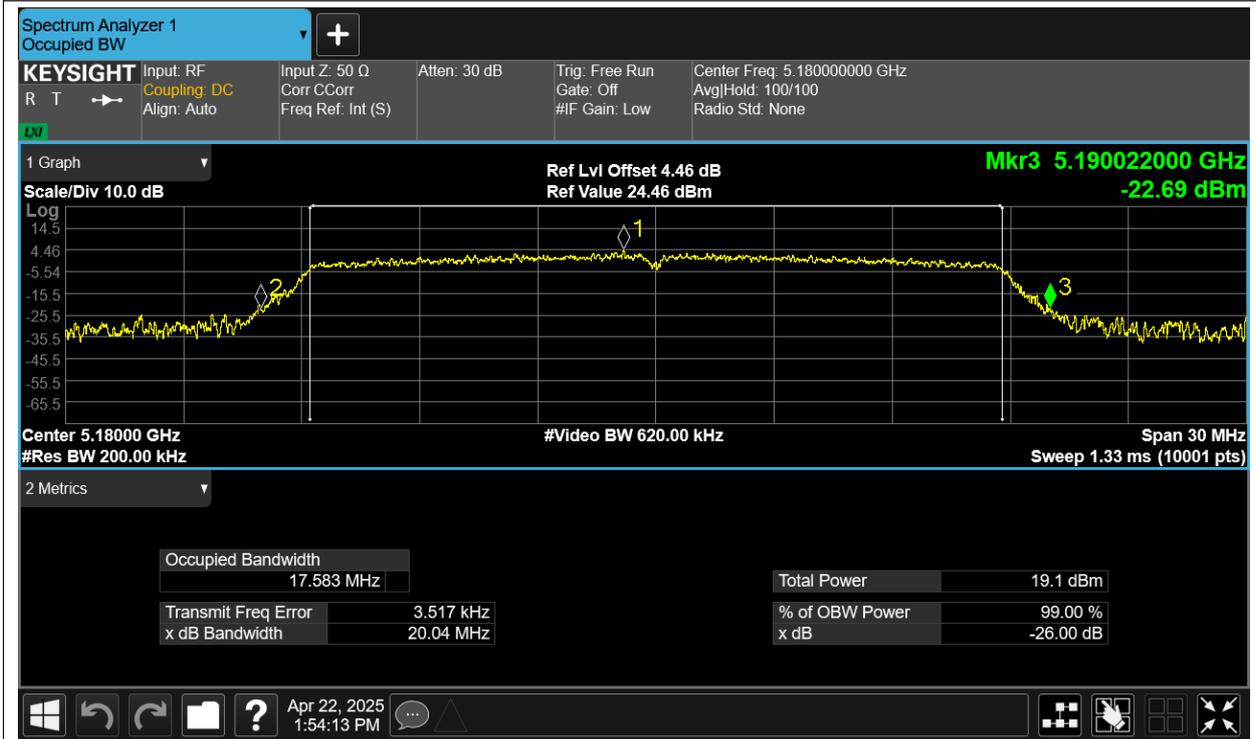
-26dB Bandwidth NVNT ac40 5230MHz Ant3



-26dB Bandwidth NVNT ac80 5210MHz Ant3



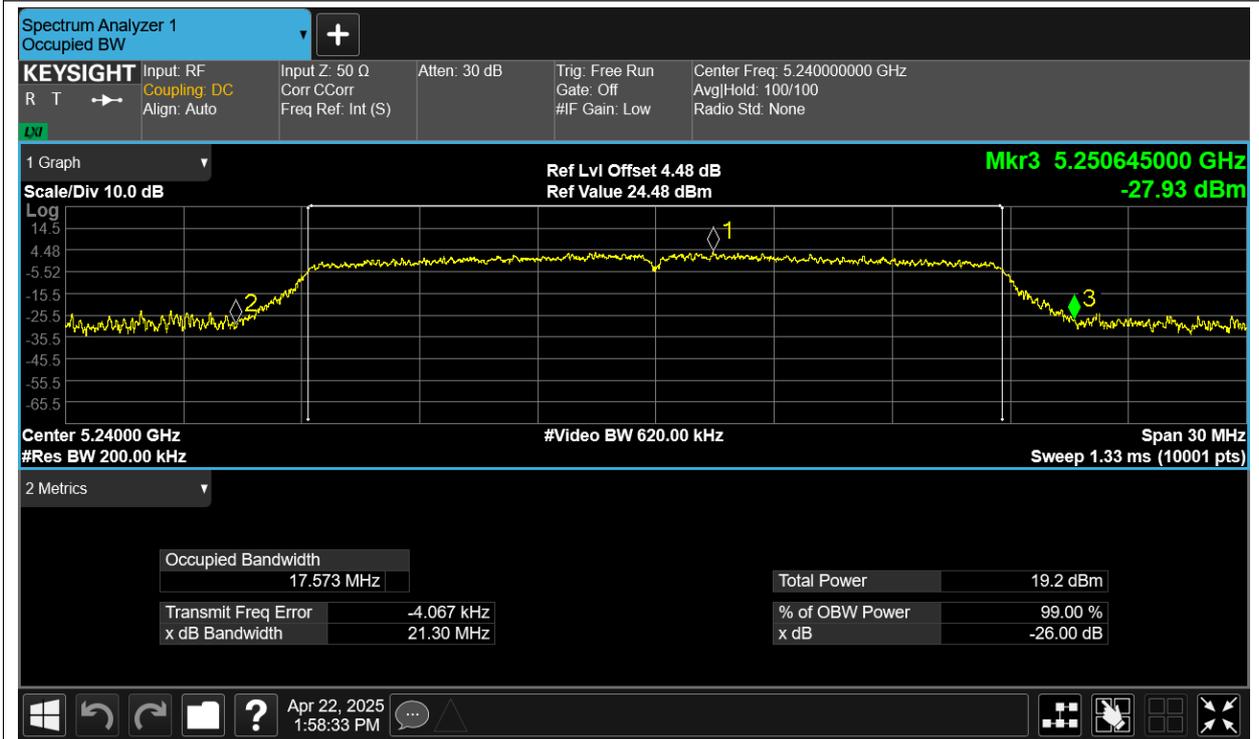
-26dB Bandwidth NVNT n20 5180MHz Ant3



-26dB Bandwidth NVNT n20 5200MHz Ant3



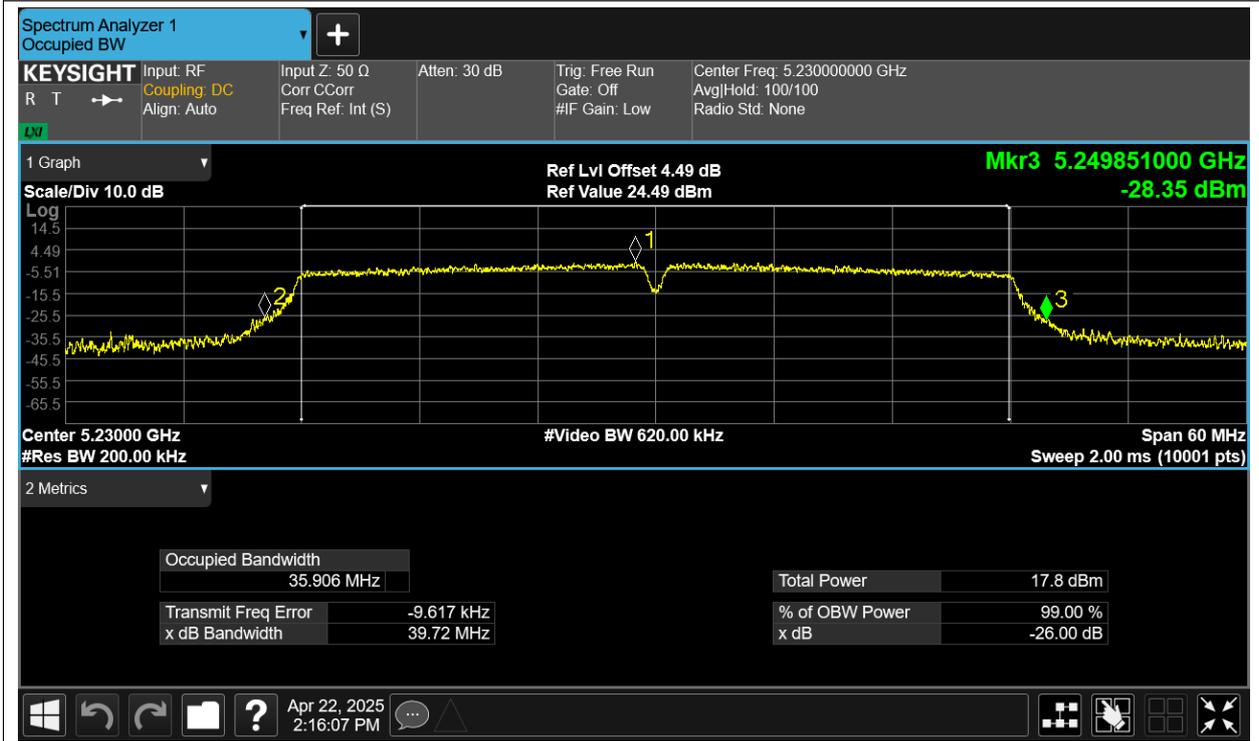
-26dB Bandwidth NVNT n20 5240MHz Ant3



-26dB Bandwidth NVNT n40 5190MHz Ant3



-26dB Bandwidth NVNT n40 5230MHz Ant3

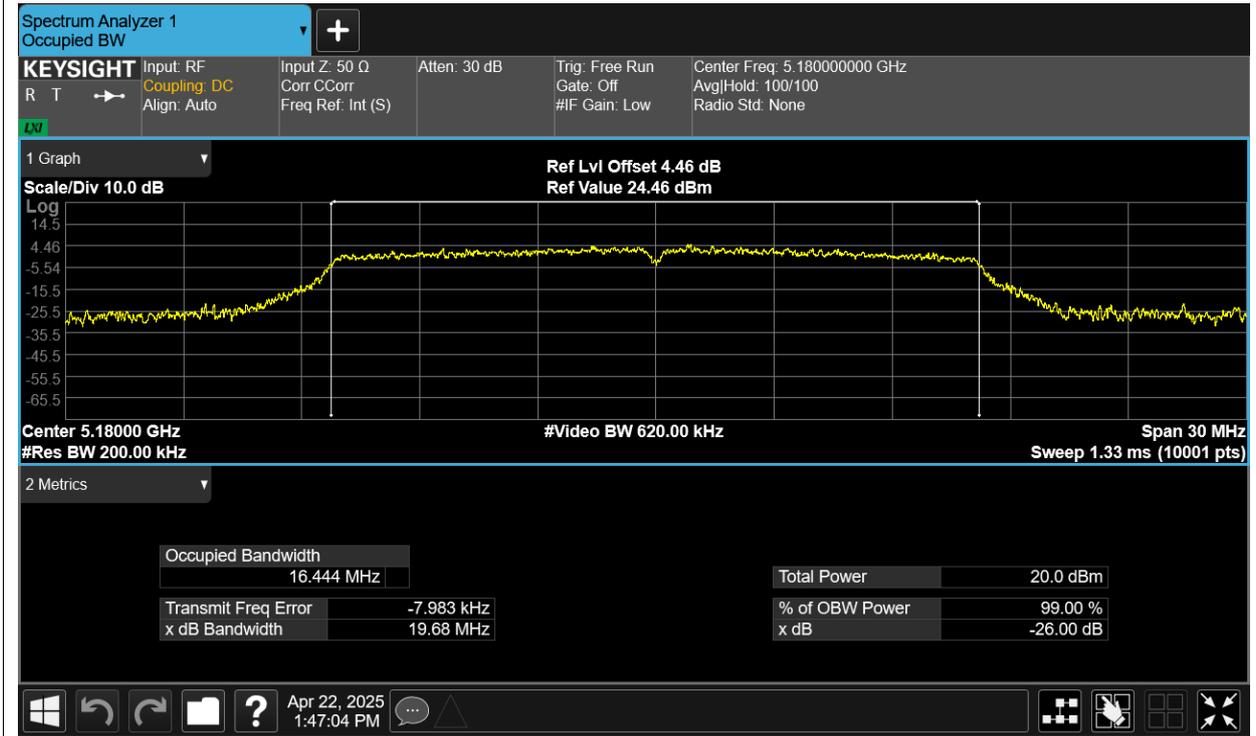


Occupied Channel Bandwidth

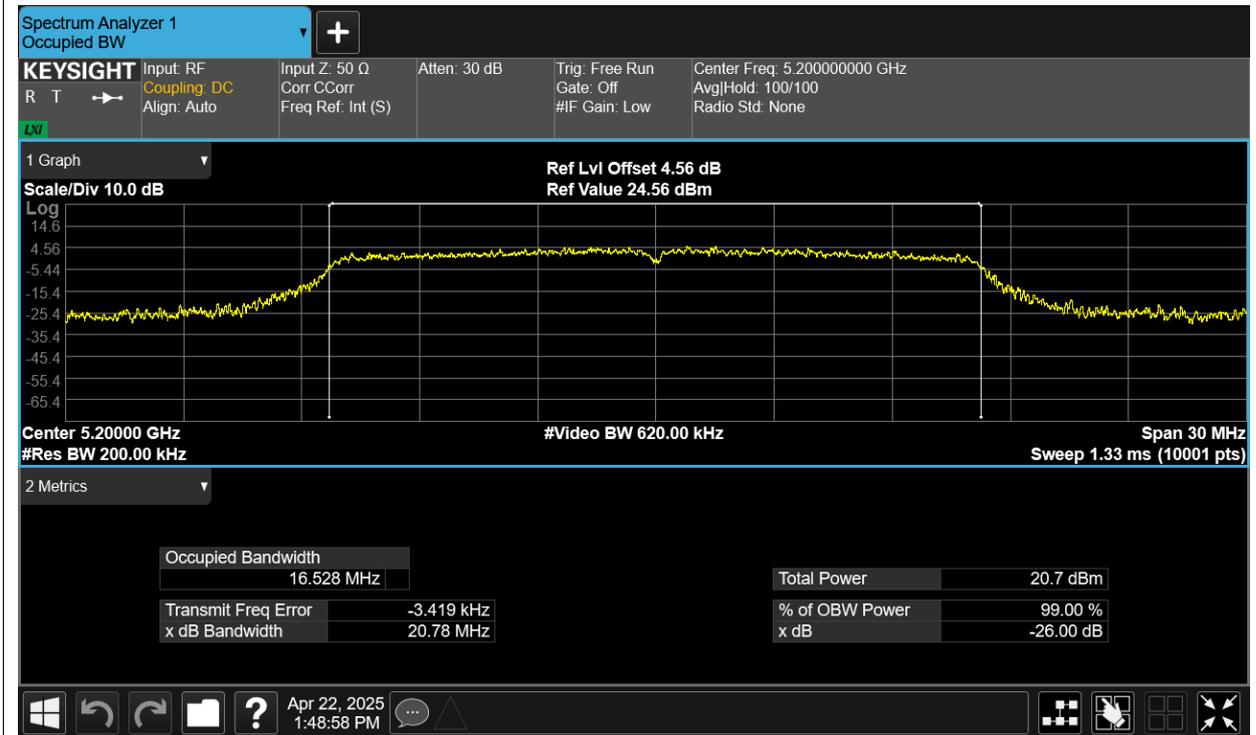
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant3	16.444
NVNT	a	5200	Ant3	16.528
NVNT	a	5240	Ant3	16.474
NVNT	ac20	5180	Ant3	17.558
NVNT	ac20	5200	Ant3	17.581
NVNT	ac20	5240	Ant3	17.603
NVNT	ac40	5190	Ant3	36.007
NVNT	ac40	5230	Ant3	35.992
NVNT	ac80	5210	Ant3	75.217
NVNT	n20	5180	Ant3	17.569
NVNT	n20	5200	Ant3	17.593
NVNT	n20	5240	Ant3	17.602
NVNT	n40	5190	Ant3	35.907
NVNT	n40	5230	Ant3	35.995

Test Graphs

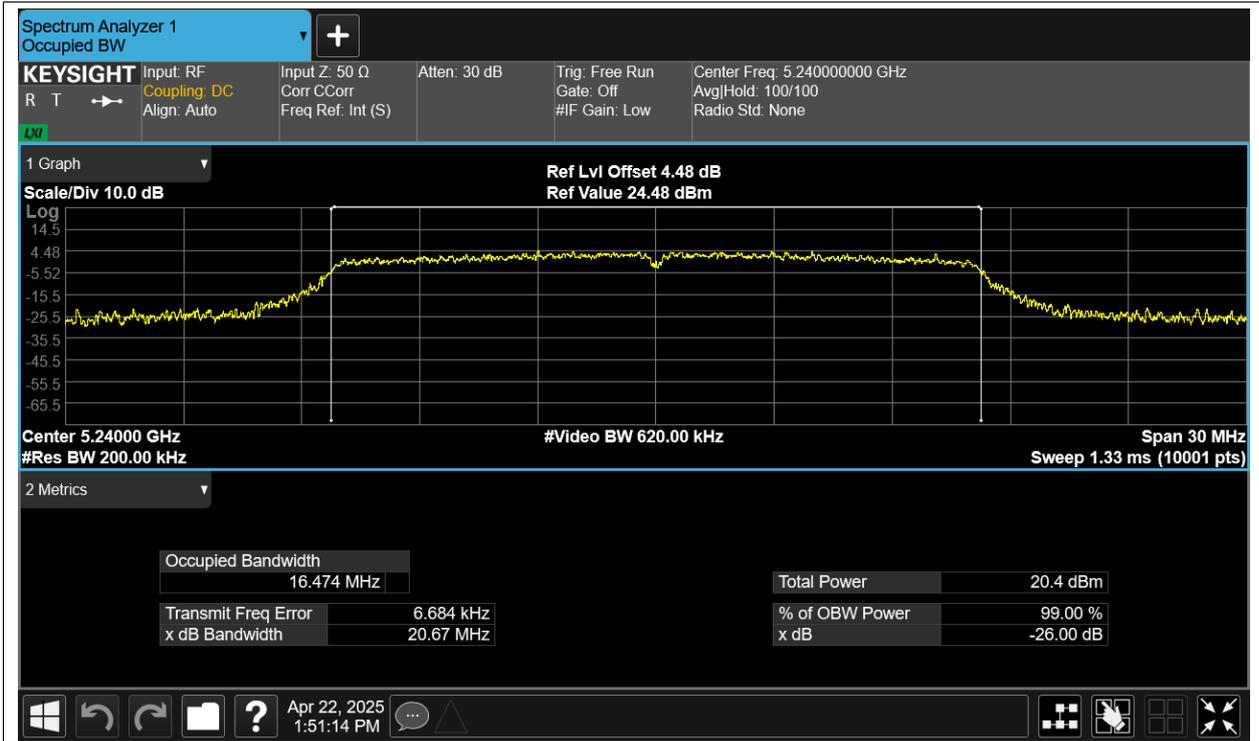
OBW NVNT a 5180MHz Ant3



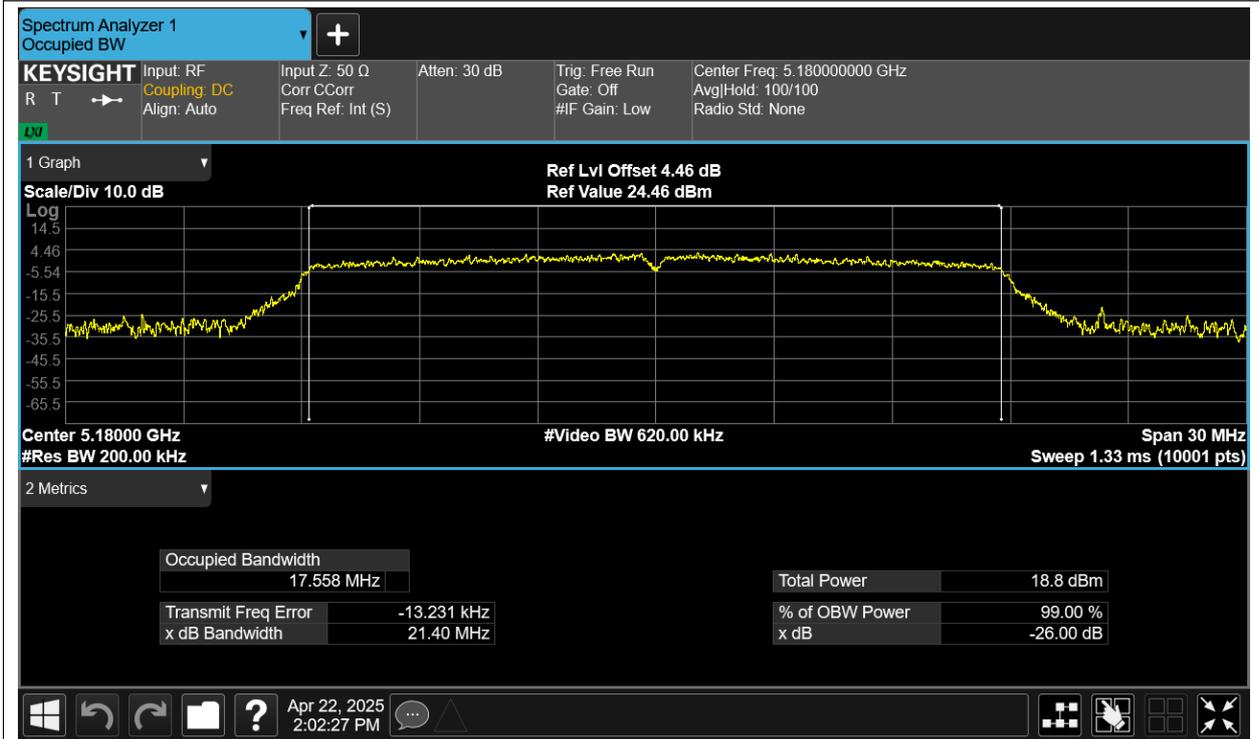
OBW NVNT a 5200MHz Ant3



OBW NVNT a 5240MHz Ant3



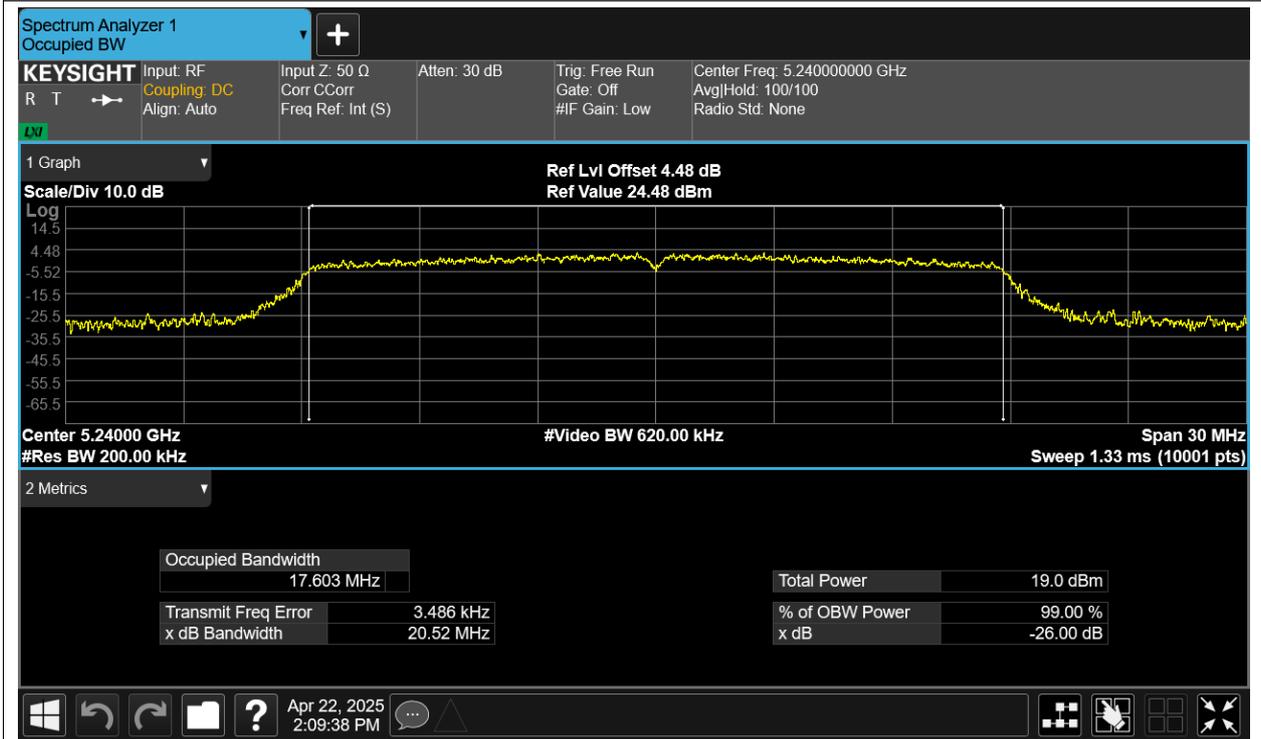
OBW NVNT ac20 5180MHz Ant3



OBW NVNT ac20 5200MHz Ant3



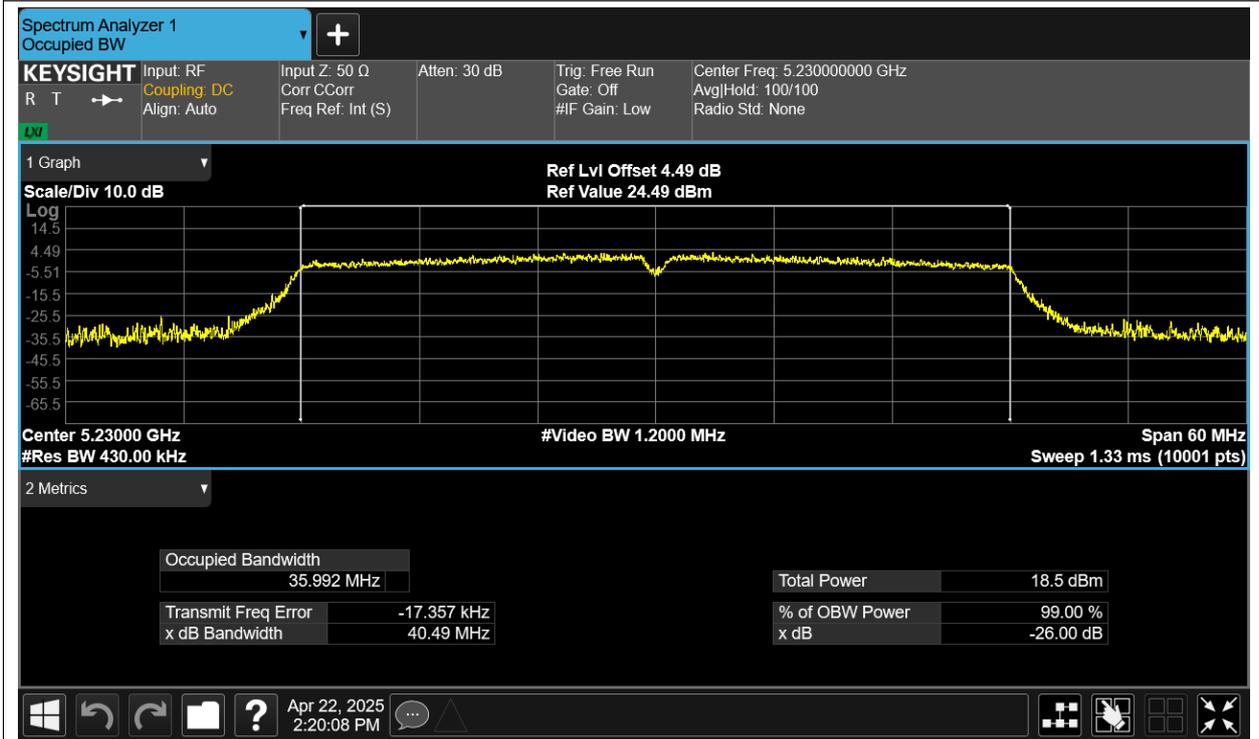
OBW NVNT ac20 5240MHz Ant3



OBW NVNT ac40 5190MHz Ant3



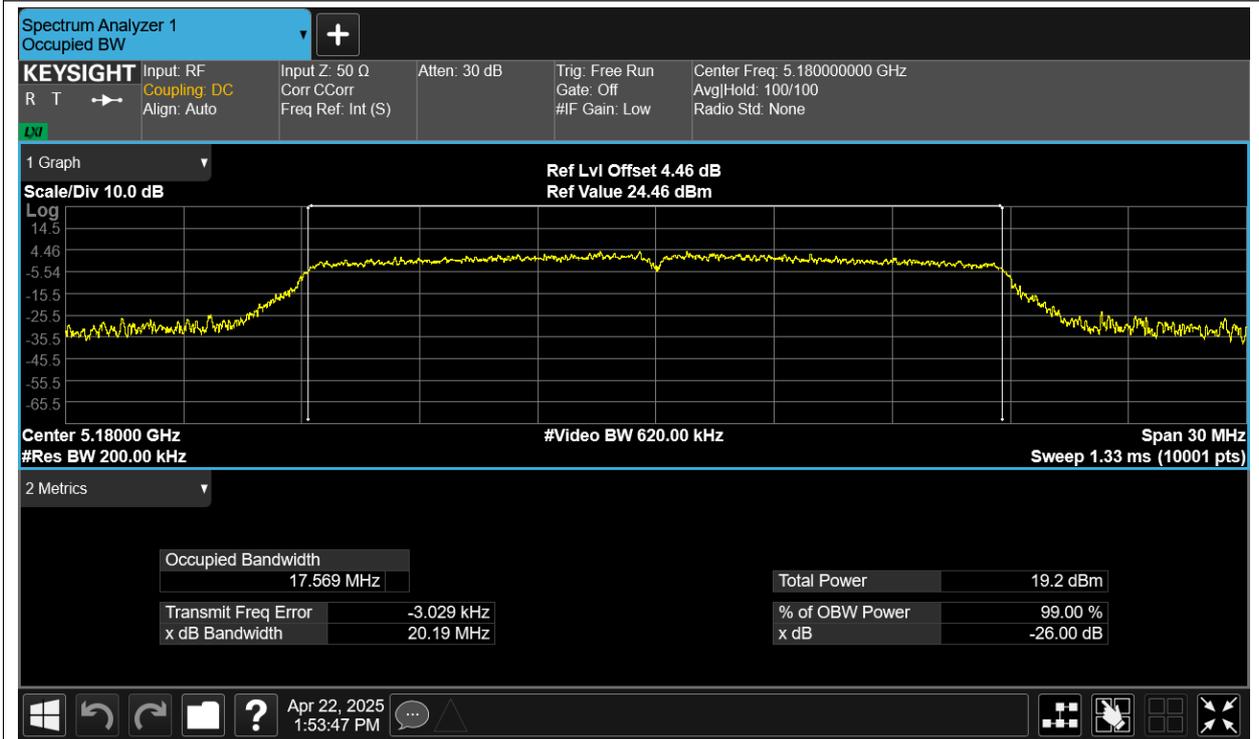
OBW NVNT ac40 5230MHz Ant3



OBW NVNT ac80 5210MHz Ant3



OBW NVNT n20 5180MHz Ant3



OBW NVNT n20 5200MHz Ant3



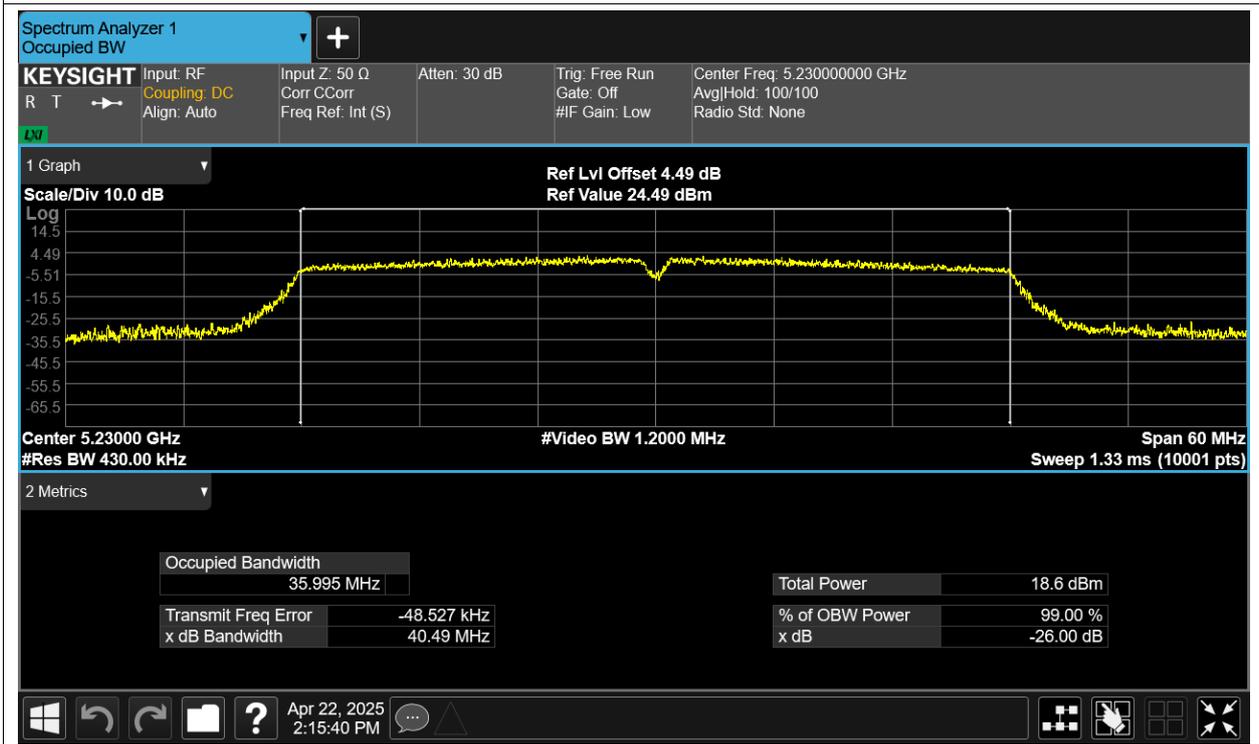
OBW NVNT n20 5240MHz Ant3



OBW NVNT n40 5190MHz Ant3



OBW NVNT n40 5230MHz Ant3

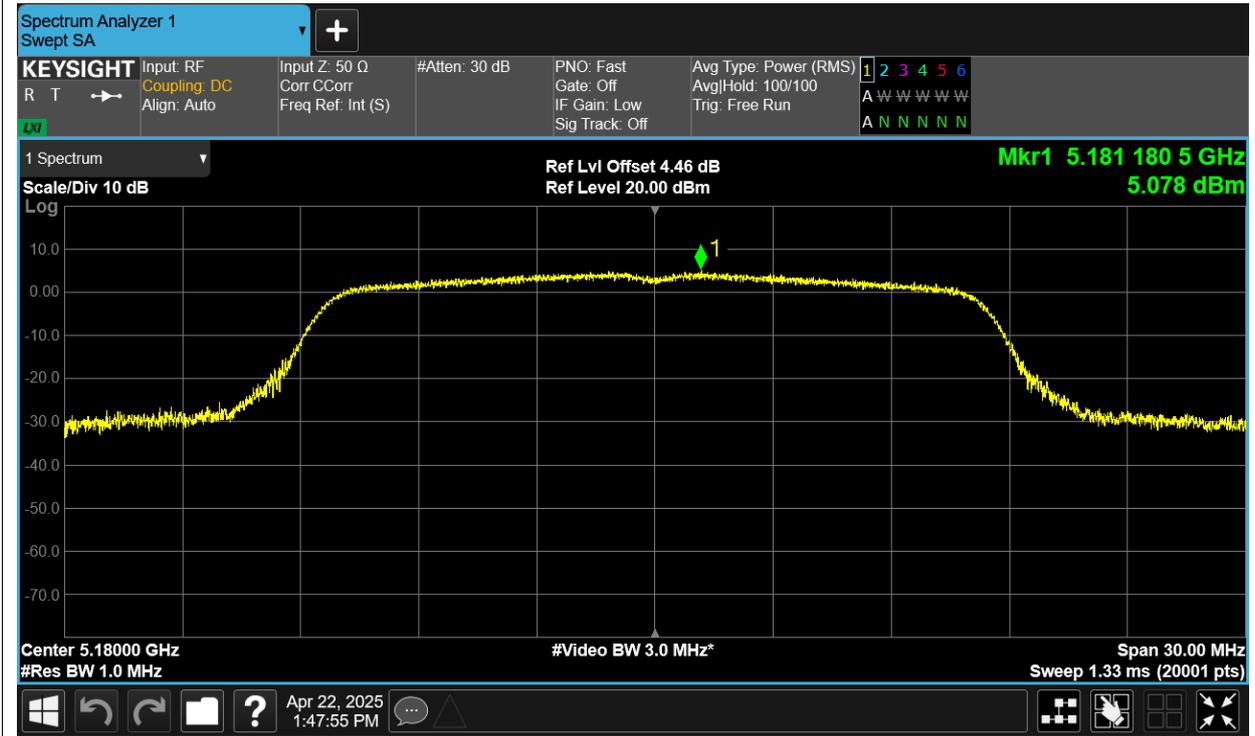


Maximum Power Spectral Density Level

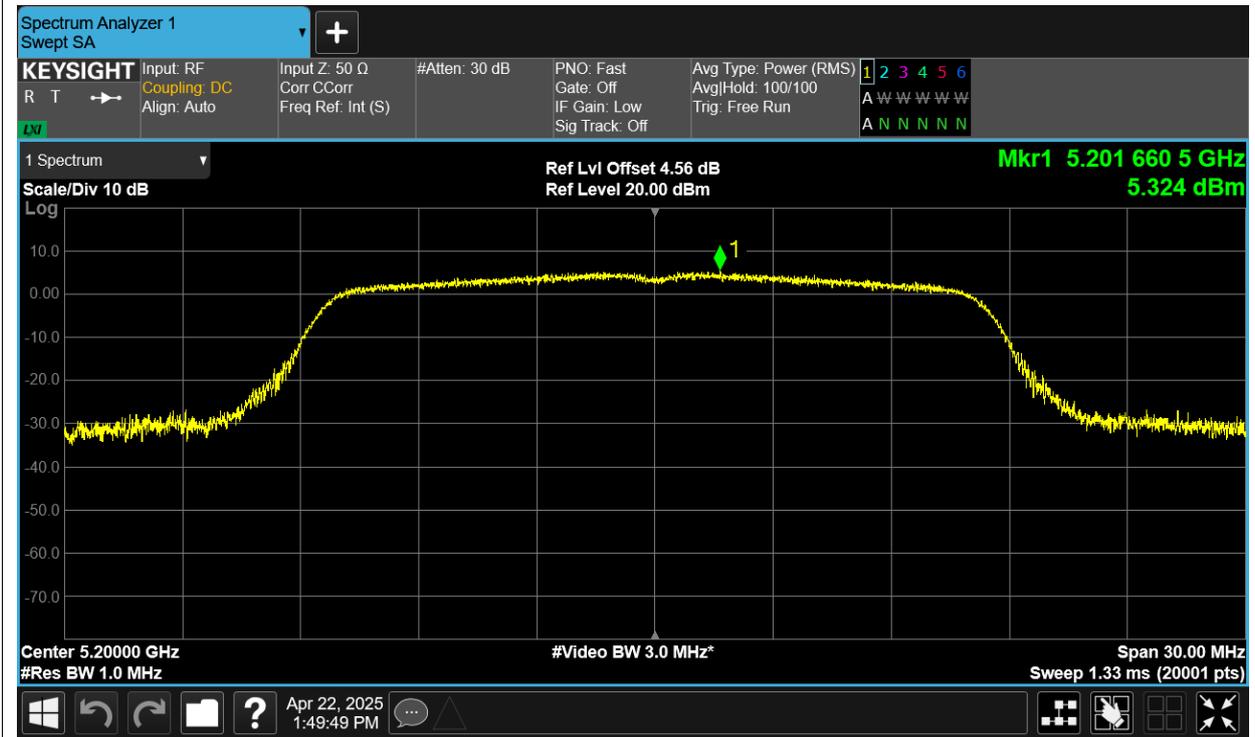
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant3	5.078	11	Pass
NVNT	a	5200	Ant3	5.324	11	Pass
NVNT	a	5240	Ant3	5.297	11	Pass
NVNT	ac20	5180	Ant3	3.508	11	Pass
NVNT	ac20	5200	Ant3	3.719	11	Pass
NVNT	ac20	5240	Ant3	3.703	11	Pass
NVNT	ac40	5190	Ant3	0.616	11	Pass
NVNT	ac40	5230	Ant3	0.318	11	Pass
NVNT	ac80	5210	Ant3	-3.909	11	Pass
NVNT	n20	5180	Ant3	3.992	11	Pass
NVNT	n20	5200	Ant3	3.691	11	Pass
NVNT	n20	5240	Ant3	3.793	11	Pass
NVNT	n40	5190	Ant3	0.18	11	Pass
NVNT	n40	5230	Ant3	0.148	11	Pass

Test Graphs

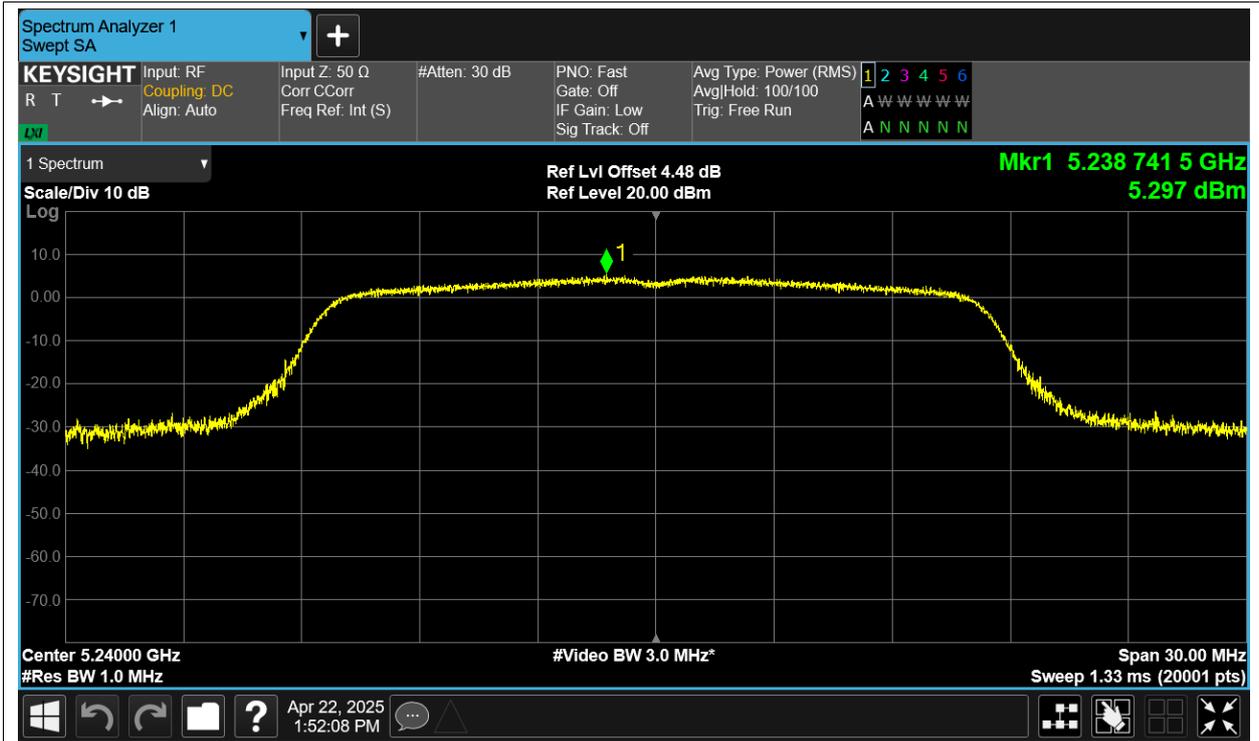
PSD NVNT a 5180MHz Ant3



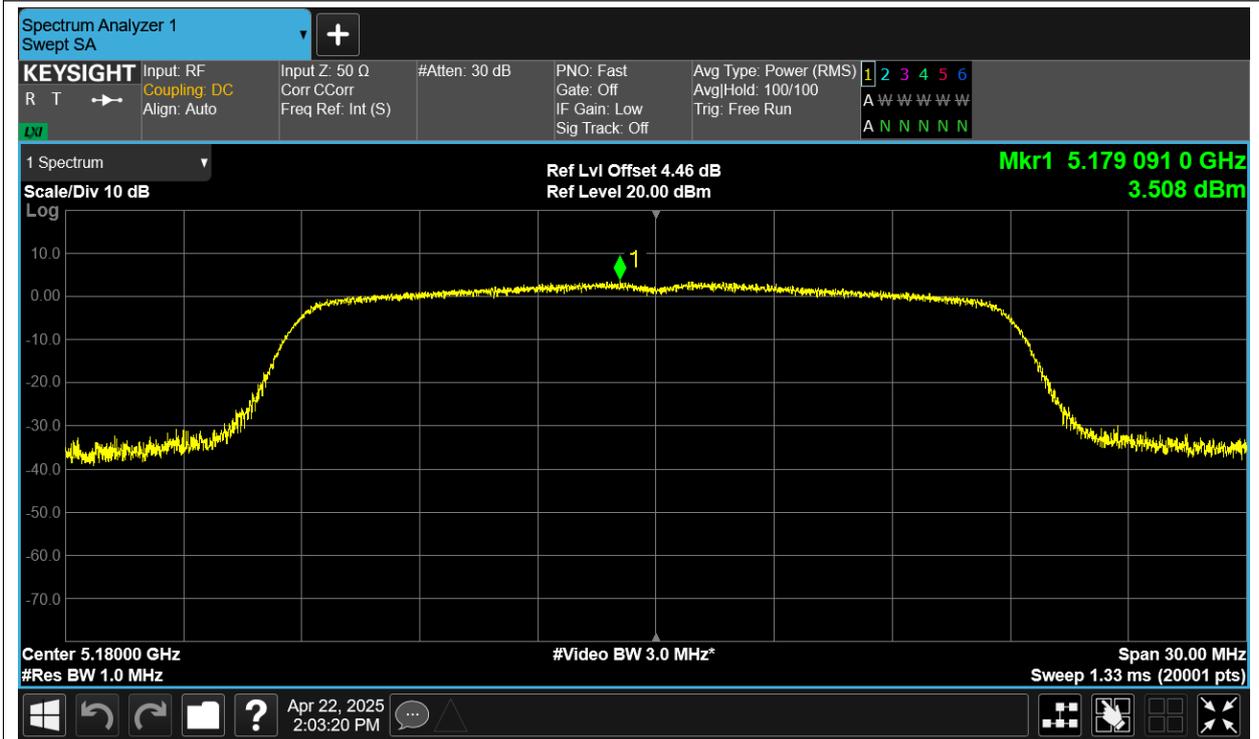
PSD NVNT a 5200MHz Ant3



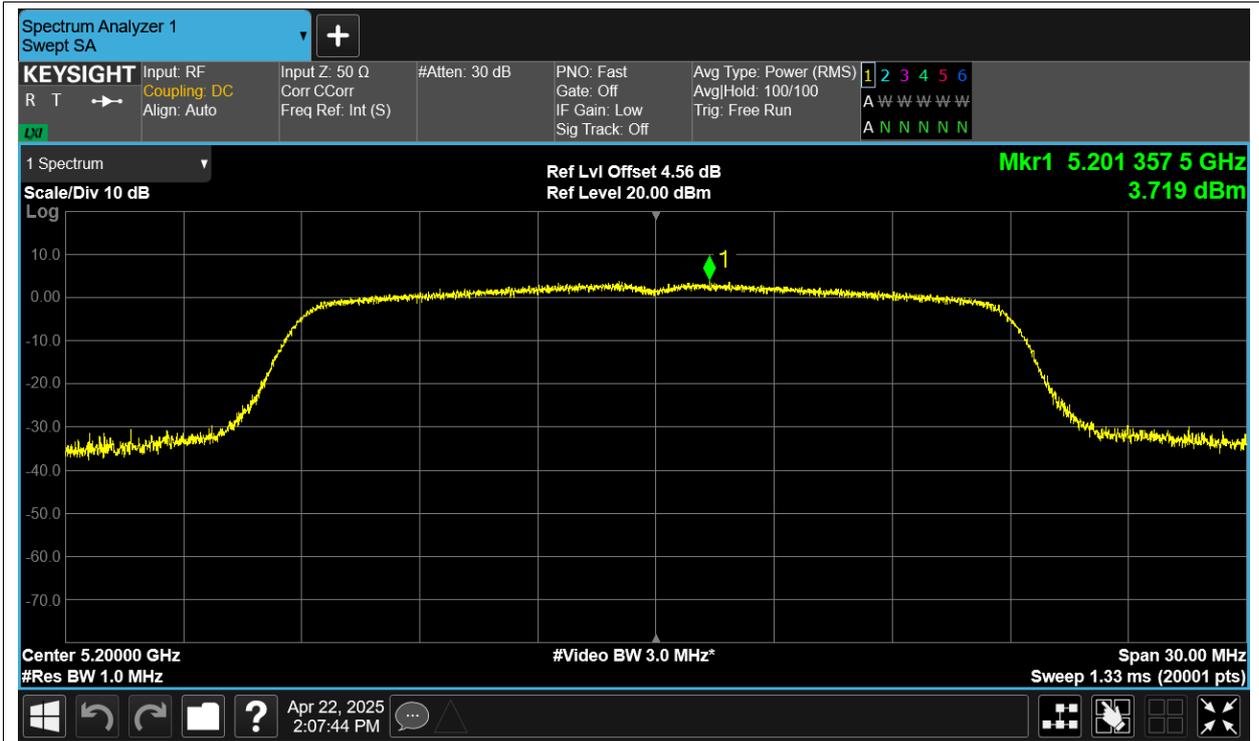
PSD NVNT a 5240MHz Ant3



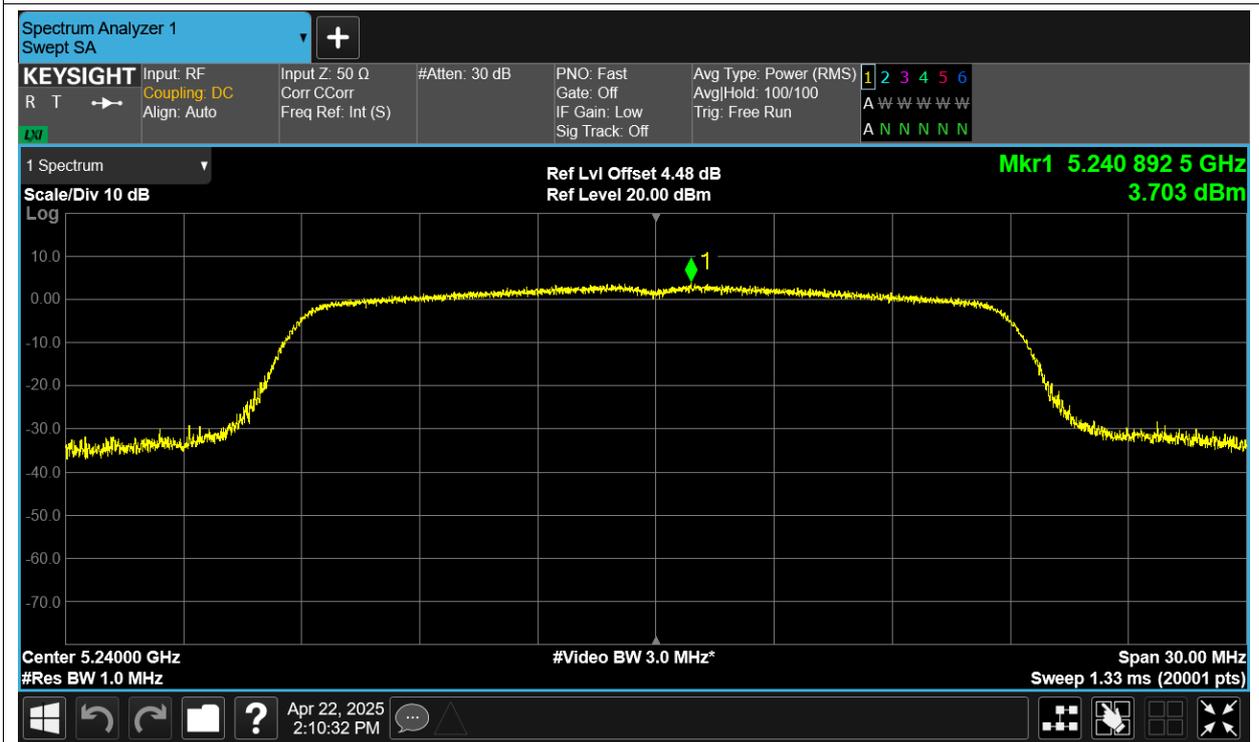
PSD NVNT ac20 5180MHz Ant3



PSD NVNT ac20 5200MHz Ant3



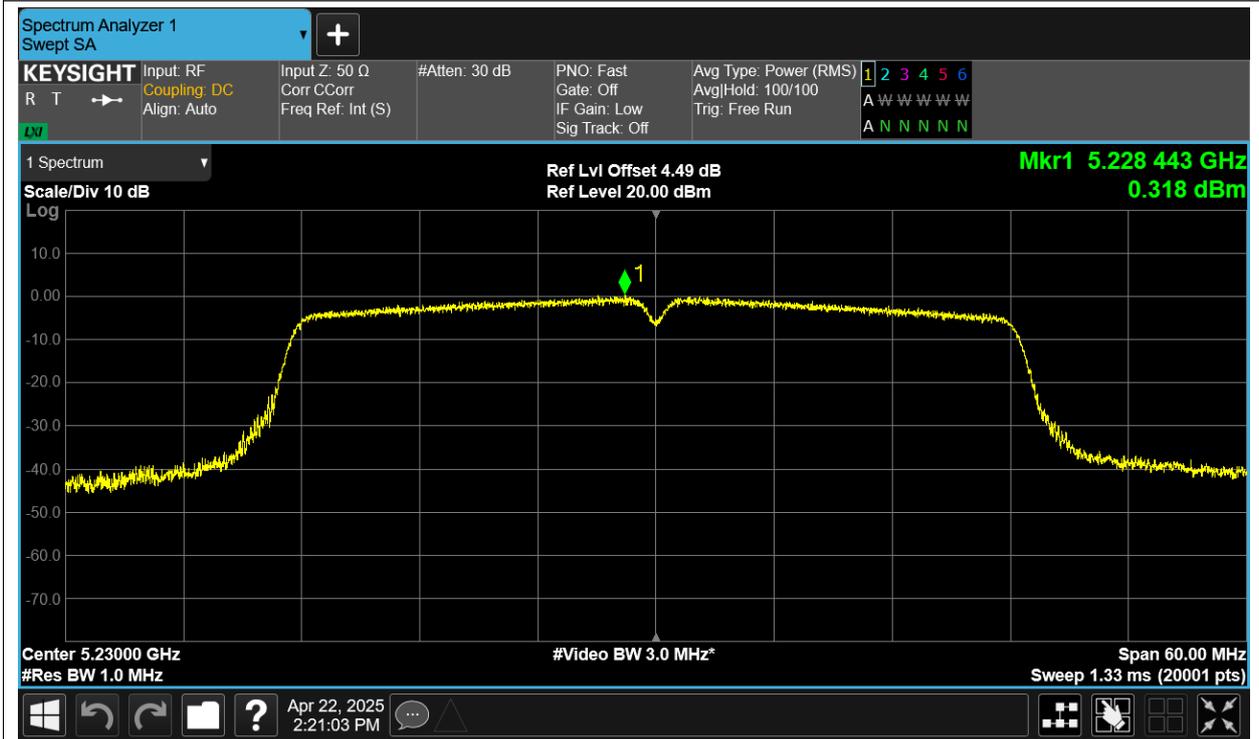
PSD NVNT ac20 5240MHz Ant3



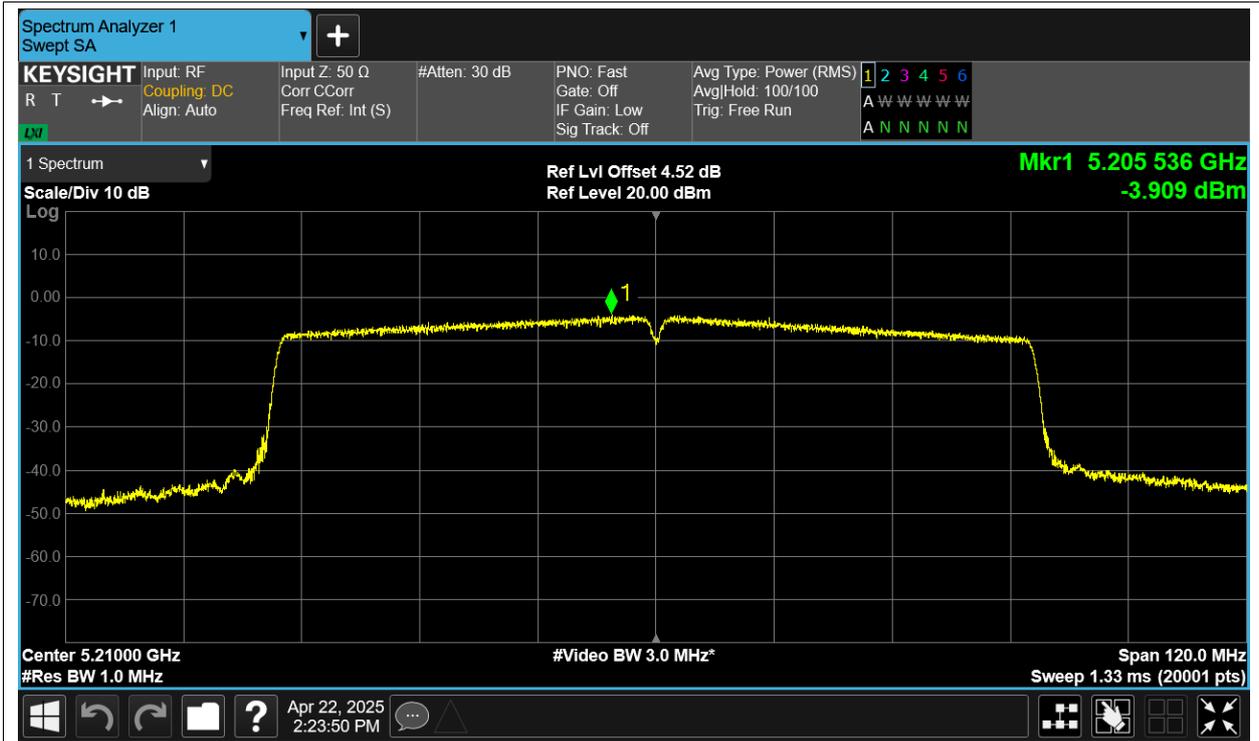
PSD NVNT ac40 5190MHz Ant3



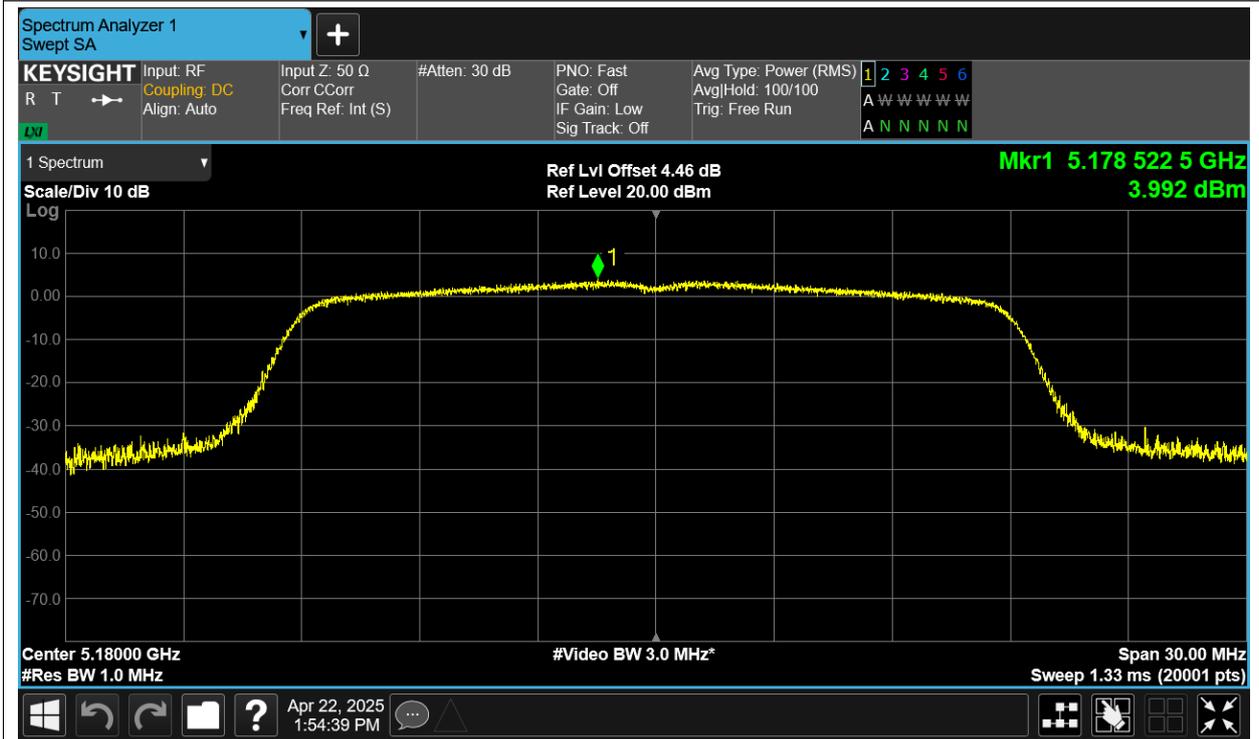
PSD NVNT ac40 5230MHz Ant3



PSD NVNT ac80 5210MHz Ant3



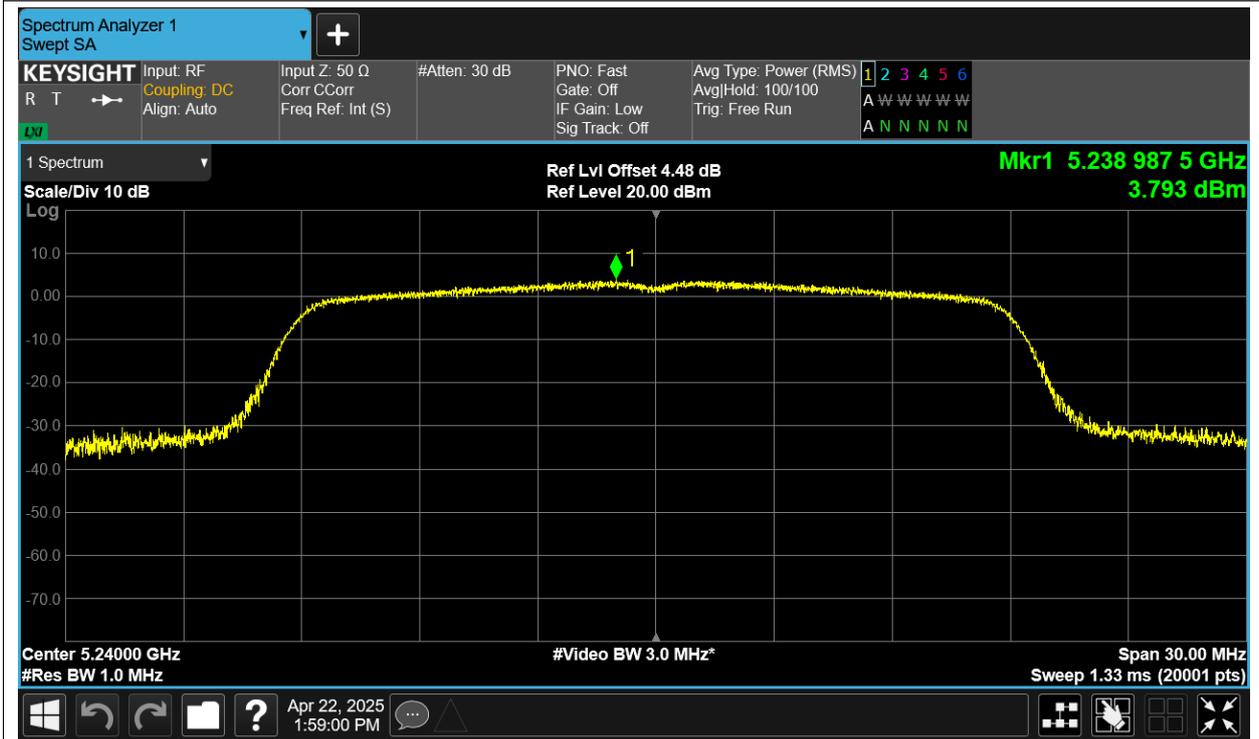
PSD NVNT n20 5180MHz Ant3



PSD NVNT n20 5200MHz Ant3



PSD NVNT n20 5240MHz Ant3



PSD NVNT n40 5190MHz Ant3



PSD NVNT n40 5230MHz Ant3

