

Test Data

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9695	-5.89	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9695	-5.89		Pass
NVHT	a	5180	Ant1	5179.9695	-5.89		Pass
NVLT	a	5180	Ant1	5179.9695	-5.89		Pass
NVNT	a	5180	Ant1	5179.9695	-5.89		Pass
HVNT	ac80	5210	Ant1	5209.9695	-5.85		Pass
LVNT	ac80	5210	Ant1	5209.9695	-5.85		Pass
NVHT	ac80	5210	Ant1	5209.9695	-5.85		Pass
NVLT	ac80	5210	Ant1	5209.9695	-5.85		Pass
NVNT	ac80	5210	Ant1	5209.969341974	-5.88		Pass
HVNT	n40	5190	Ant1	5189.9695	-5.88		Pass
LVNT	n40	5190	Ant1	5189.9695	-5.88		Pass
NVHT	n40	5190	Ant1	5189.9695	-5.88		Pass
NVLT	n40	5190	Ant1	5189.9695	-5.88		Pass
NVNT	n40	5190	Ant1	5189.9695	-5.88		Pass

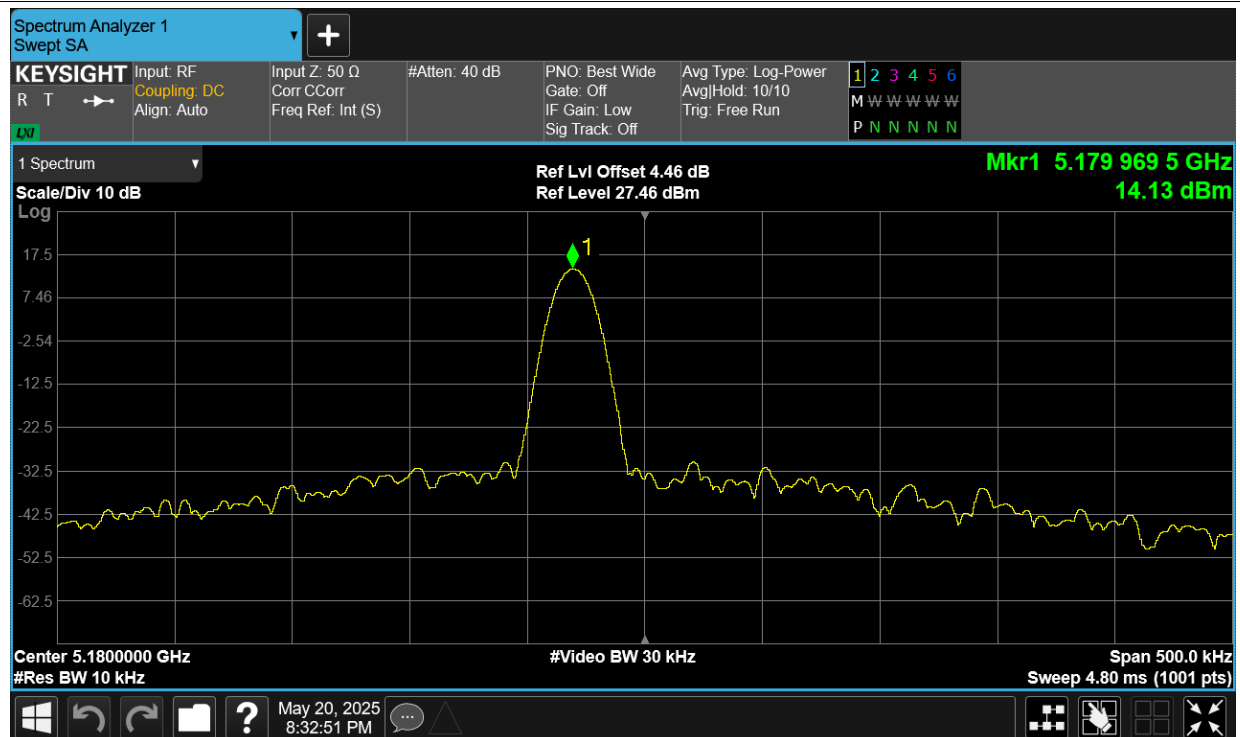
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

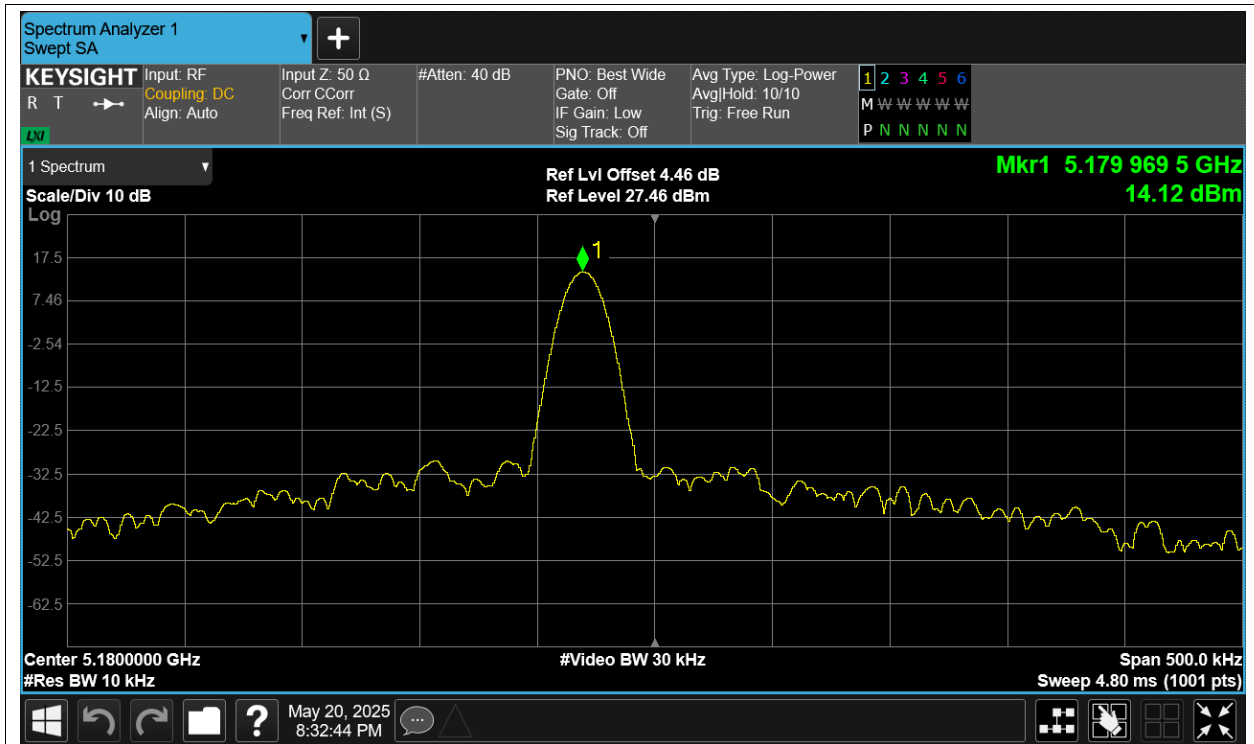
Freq. Stability HVNT a 5180MHz Ant1



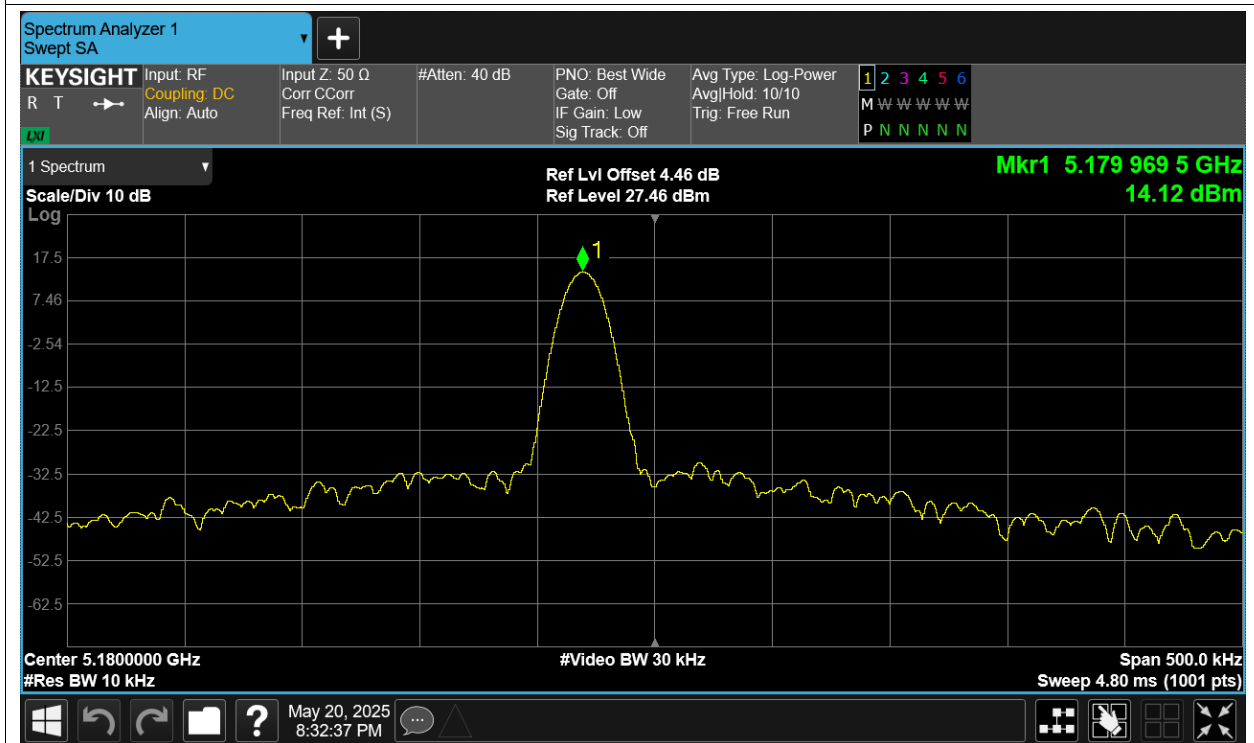
Freq. Stability LVNT a 5180MHz Ant1



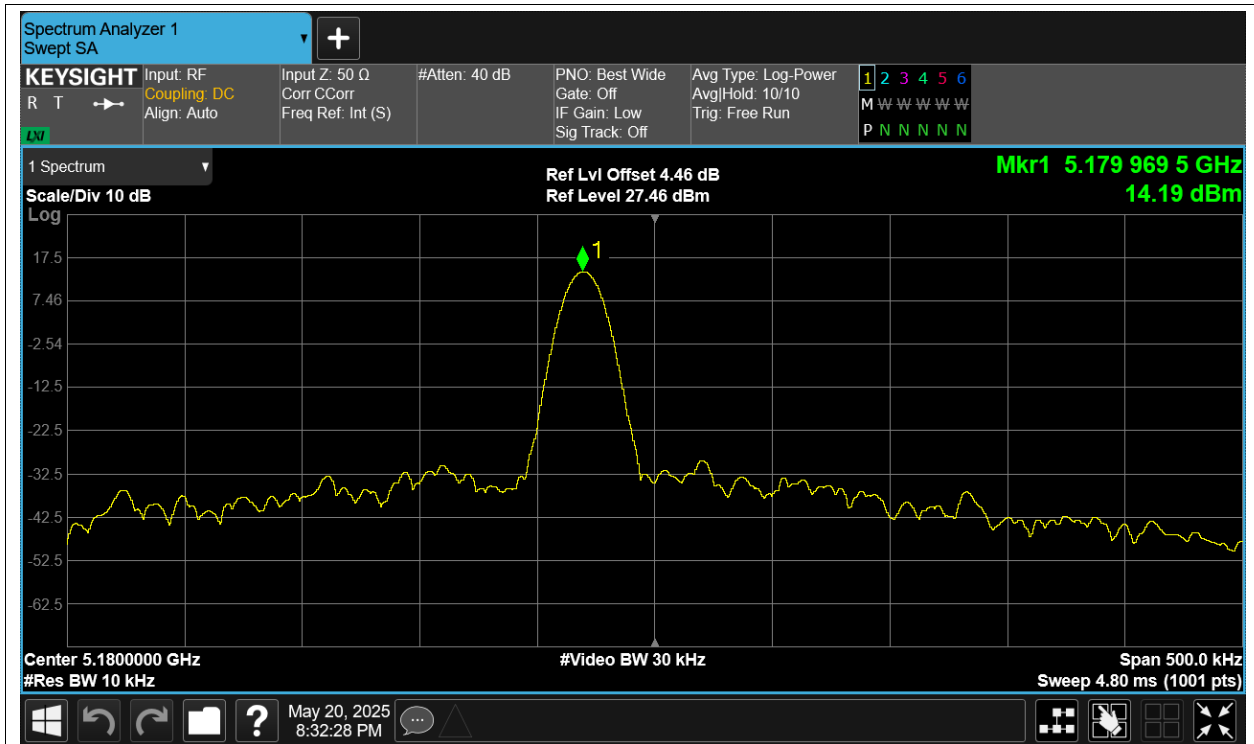
Freq. Stability NVHT a 5180MHz Ant1



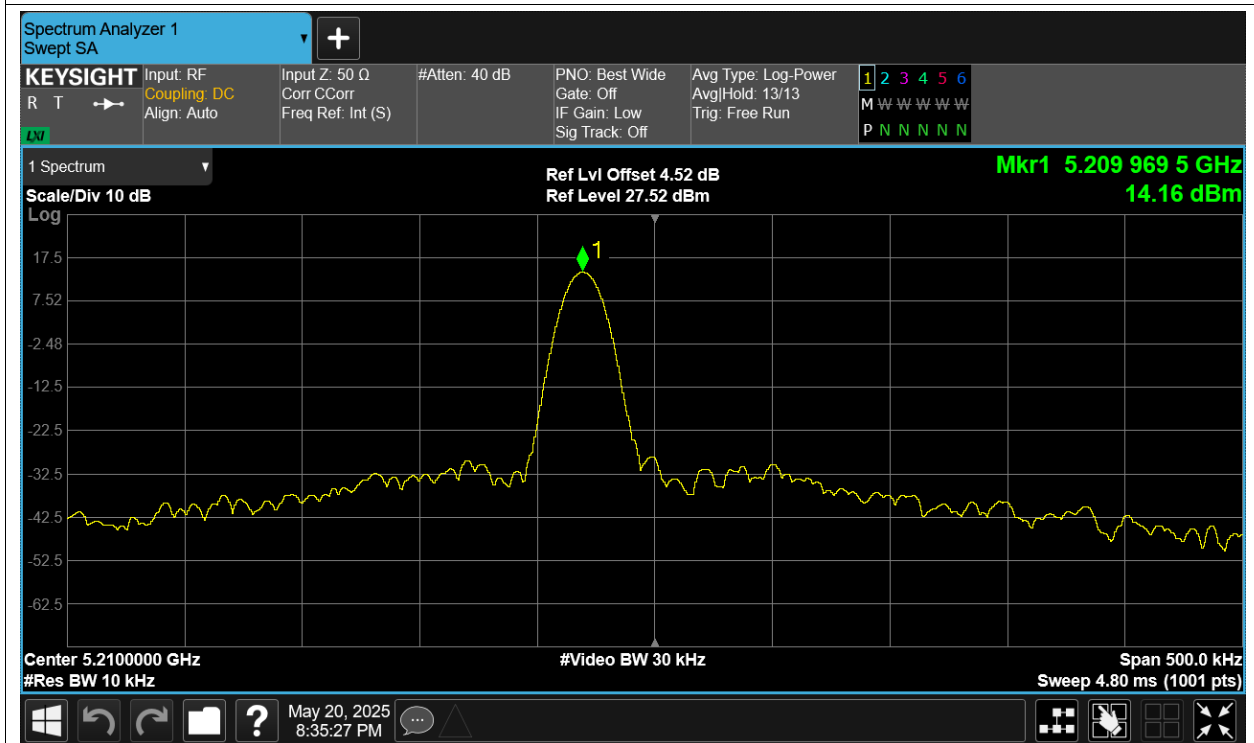
Freq. Stability NVLT a 5180MHz Ant1



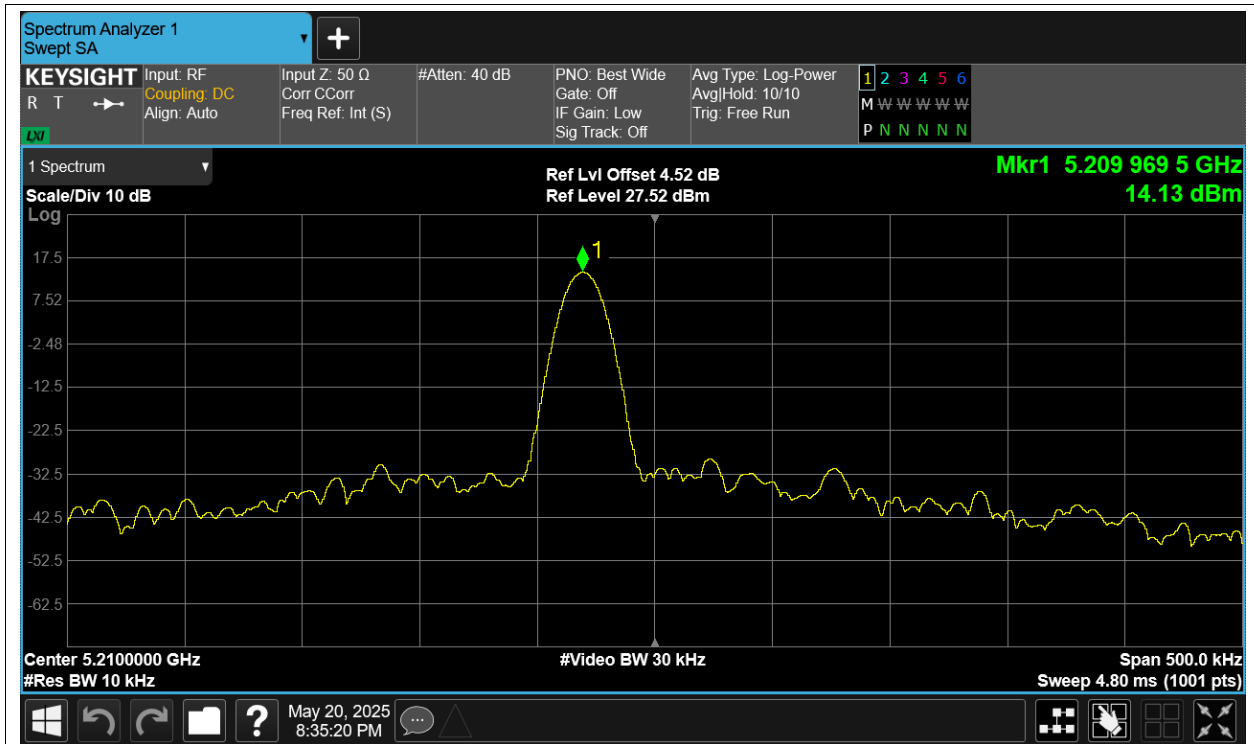
Freq. Stability NVNT a 5180MHz Ant1



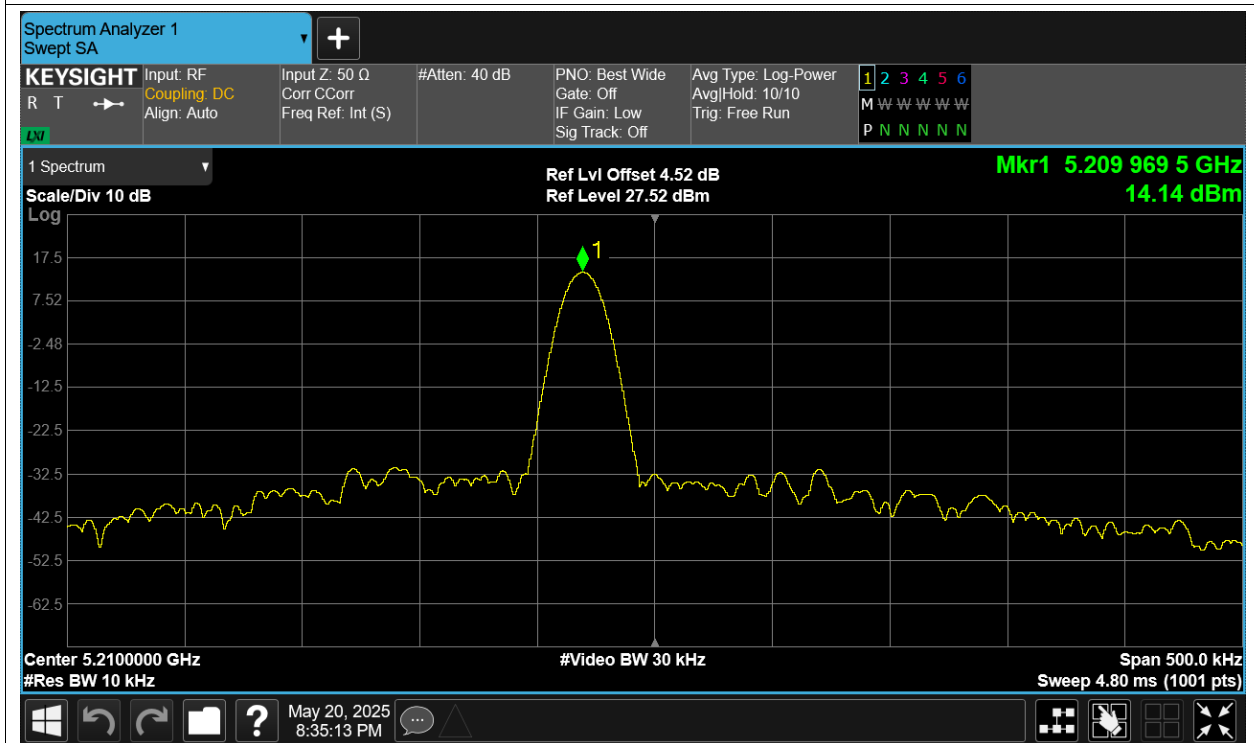
Freq. Stability HVNT ac80 5210MHz Ant1



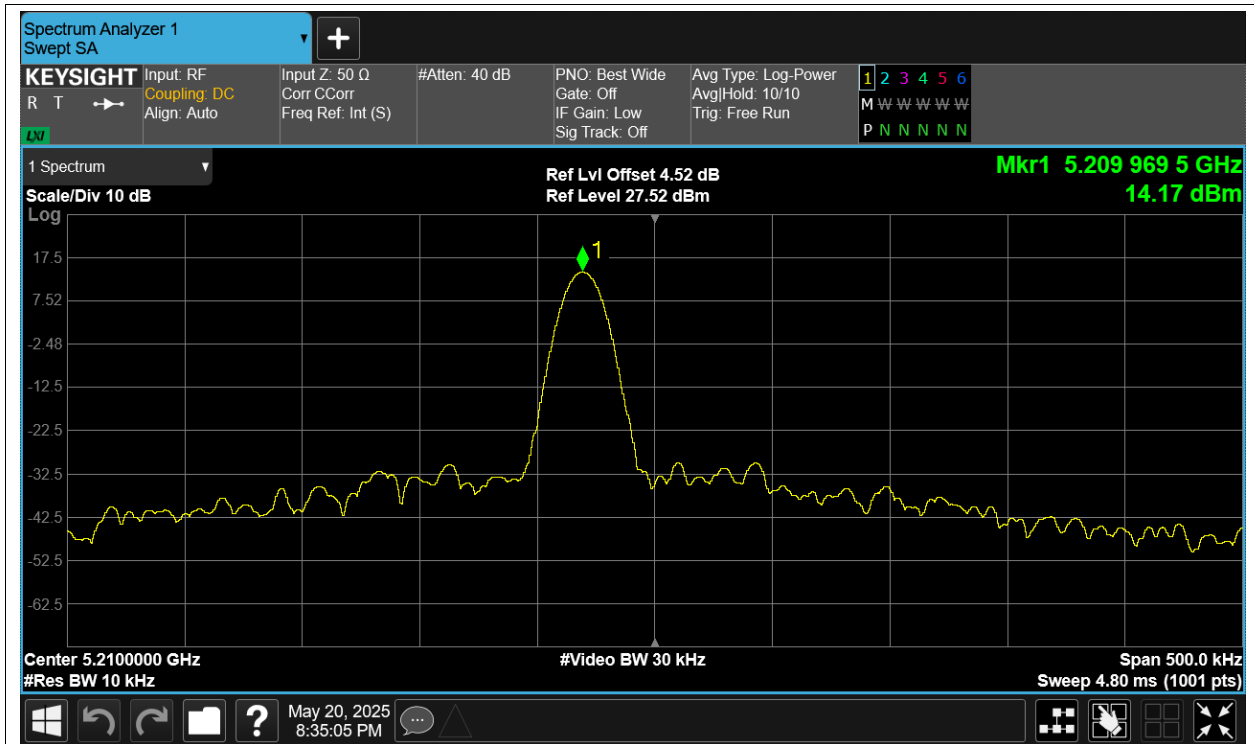
Freq. Stability LVNT ac80 5210MHz Ant1



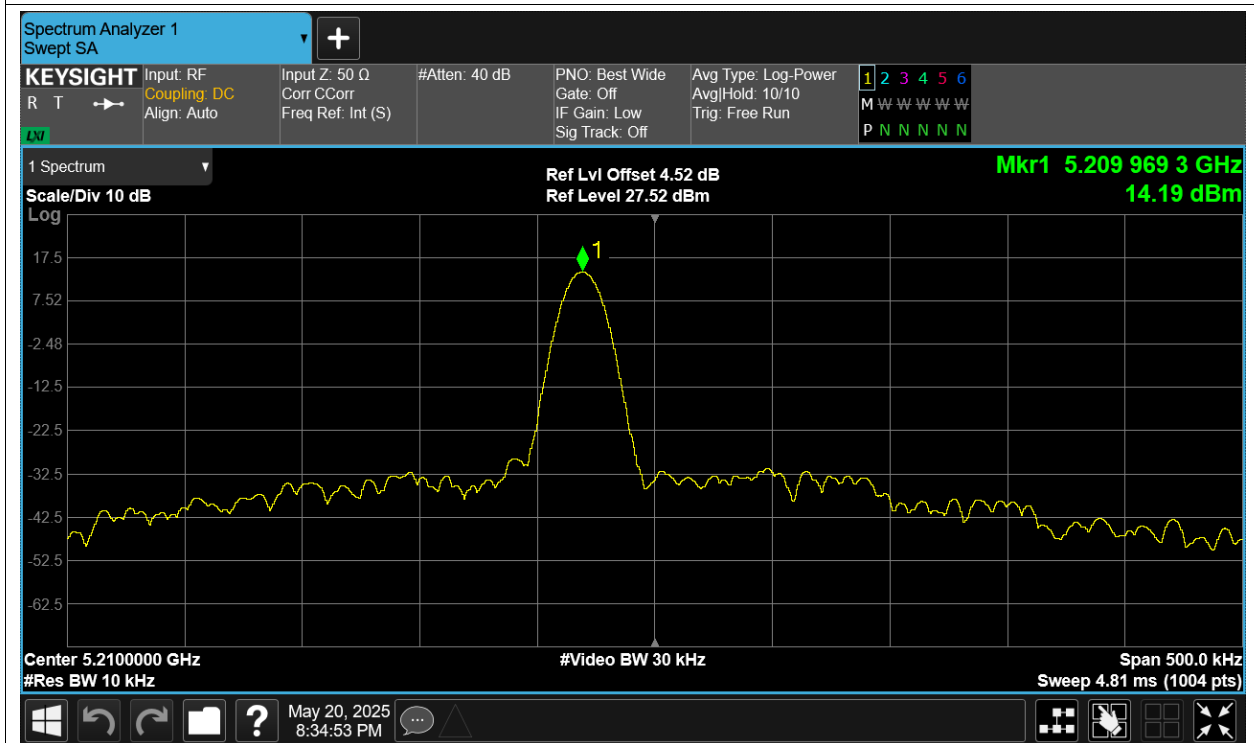
Freq. Stability NVHT ac80 5210MHz Ant1



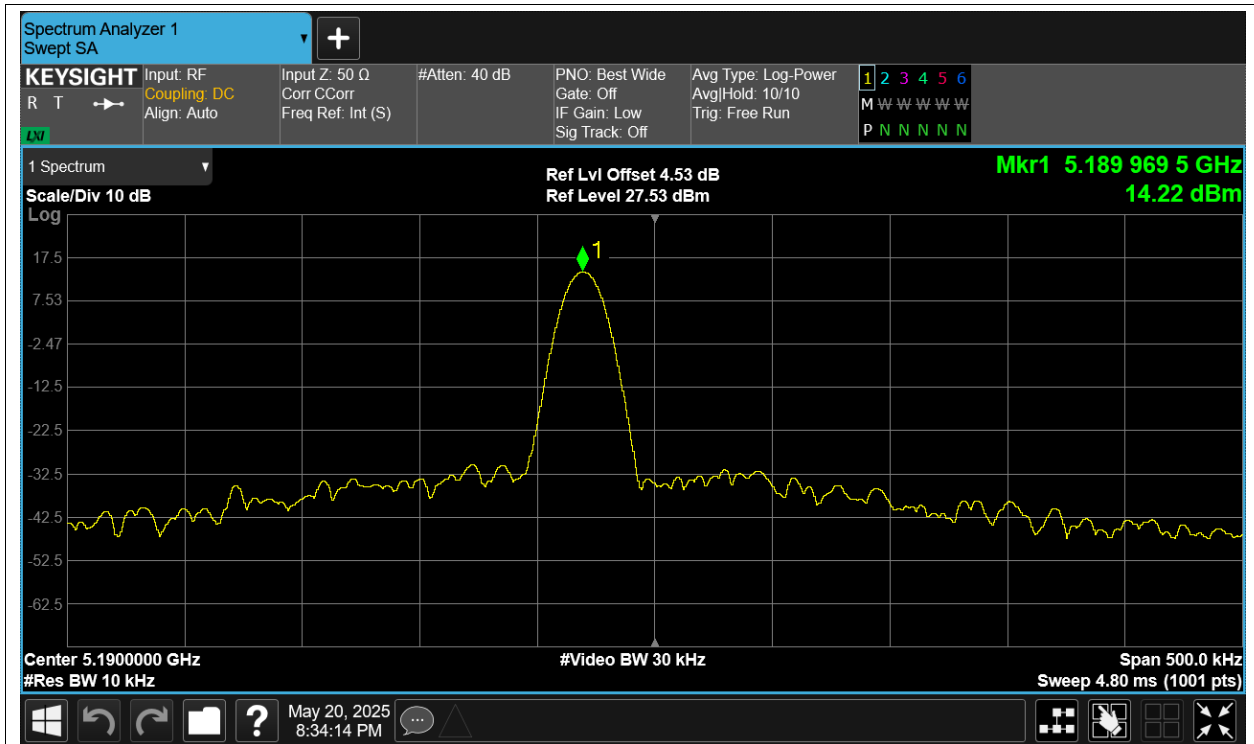
Freq. Stability NVLT ac80 5210MHz Ant1



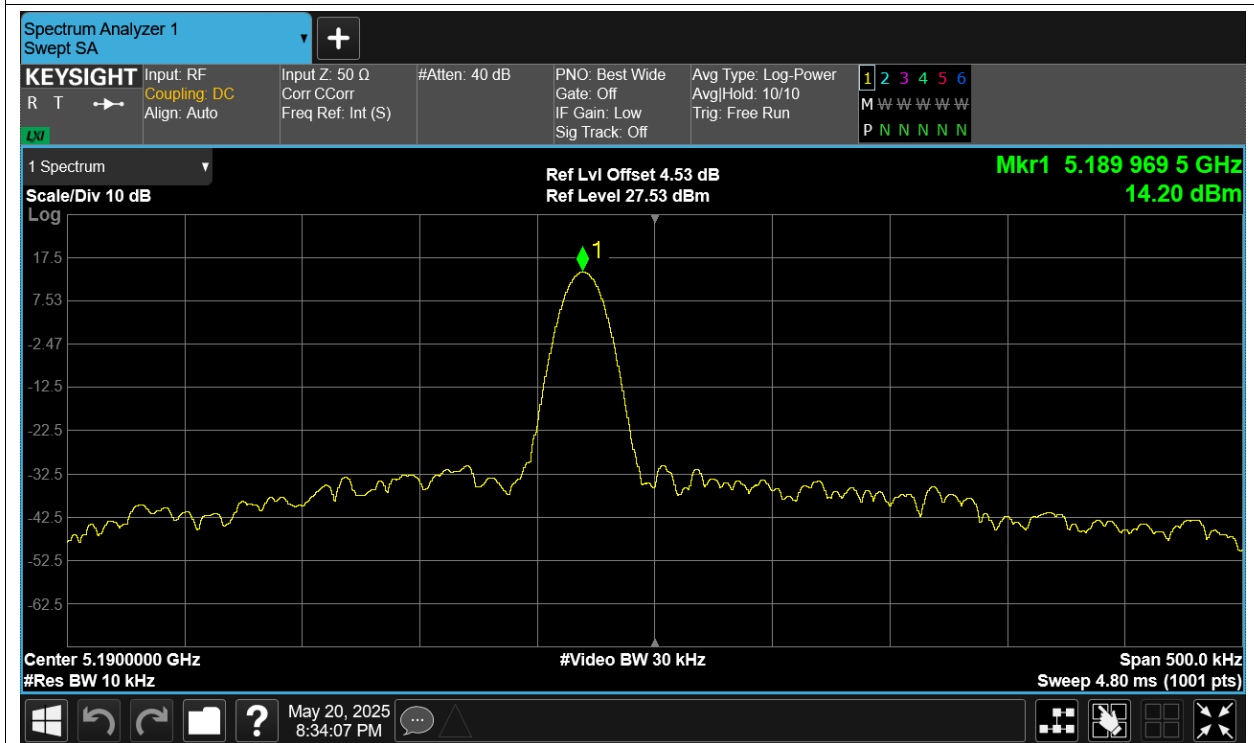
Freq. Stability NVNT ac80 5210MHz Ant1



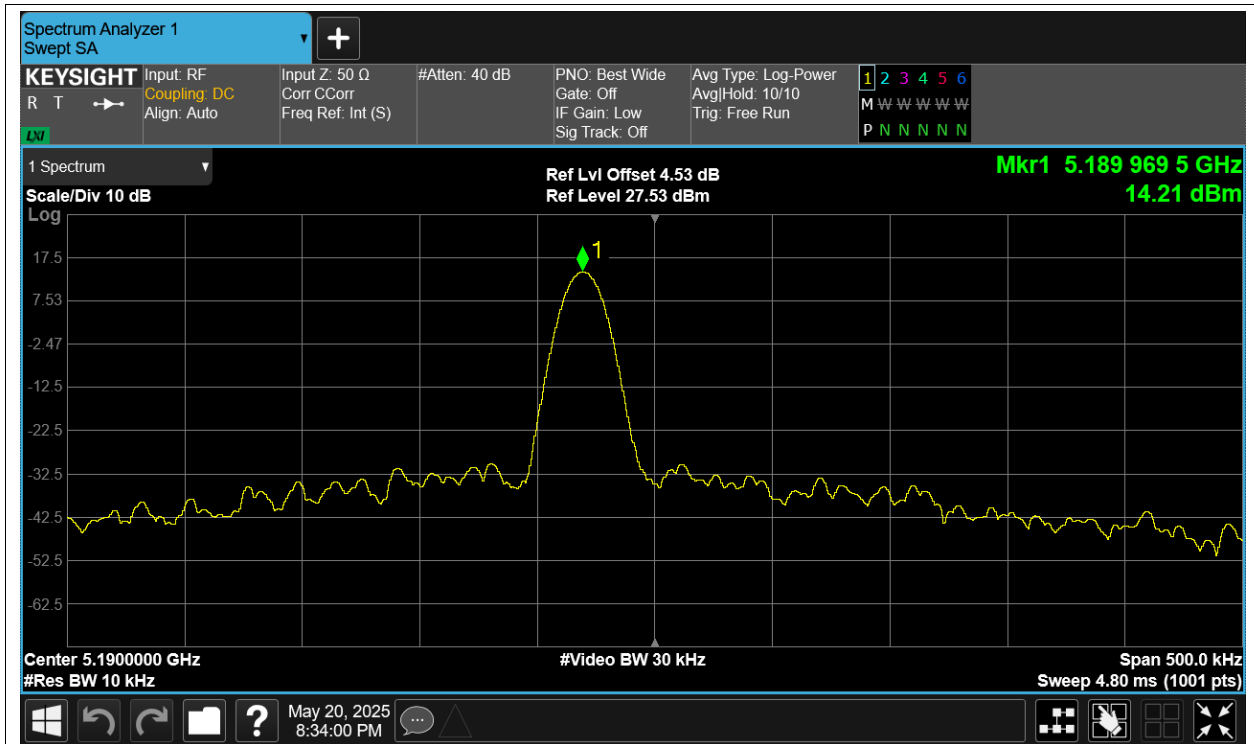
Freq. Stability HVNT n40 5190MHz Ant1



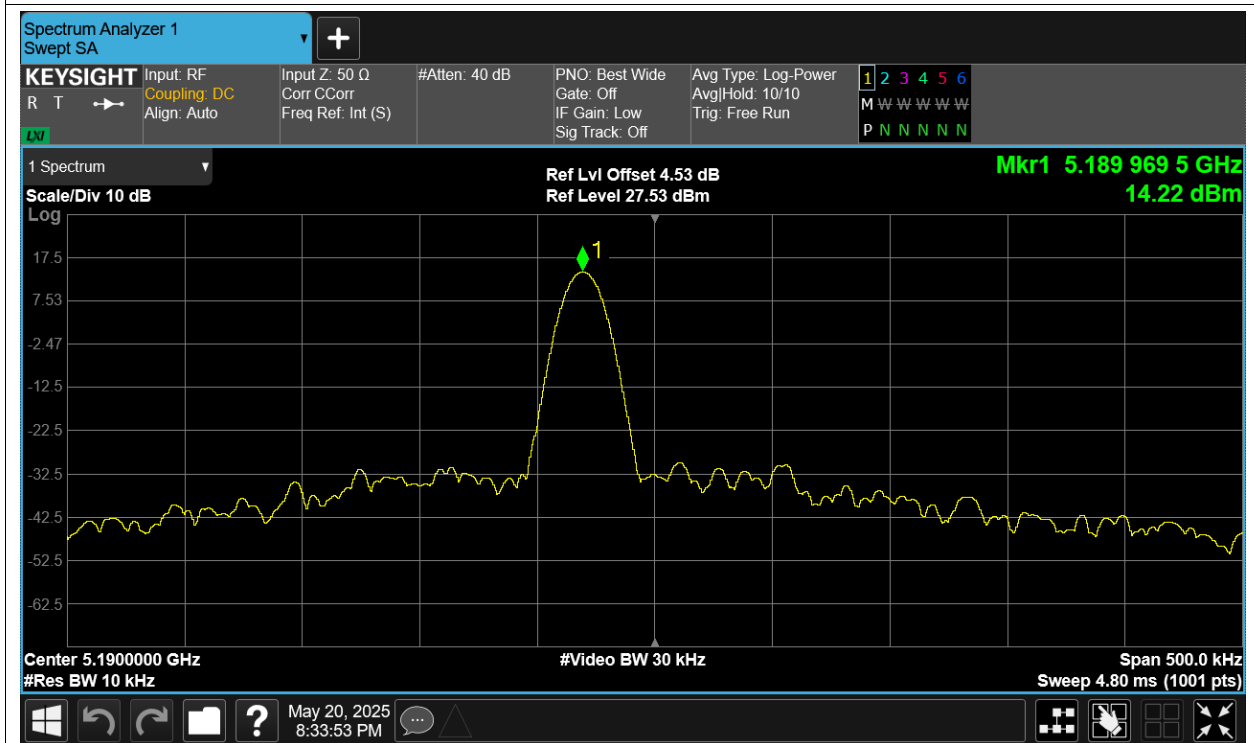
Freq. Stability LVNT n40 5190MHz Ant1



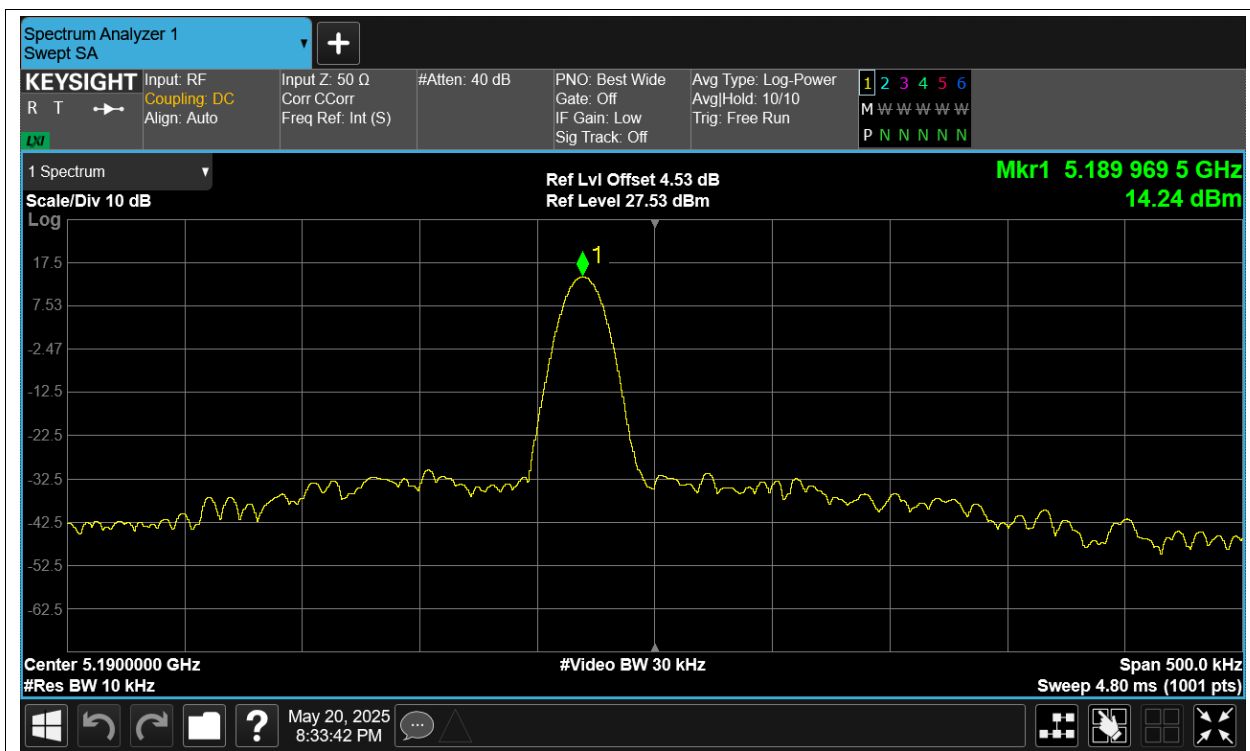
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1

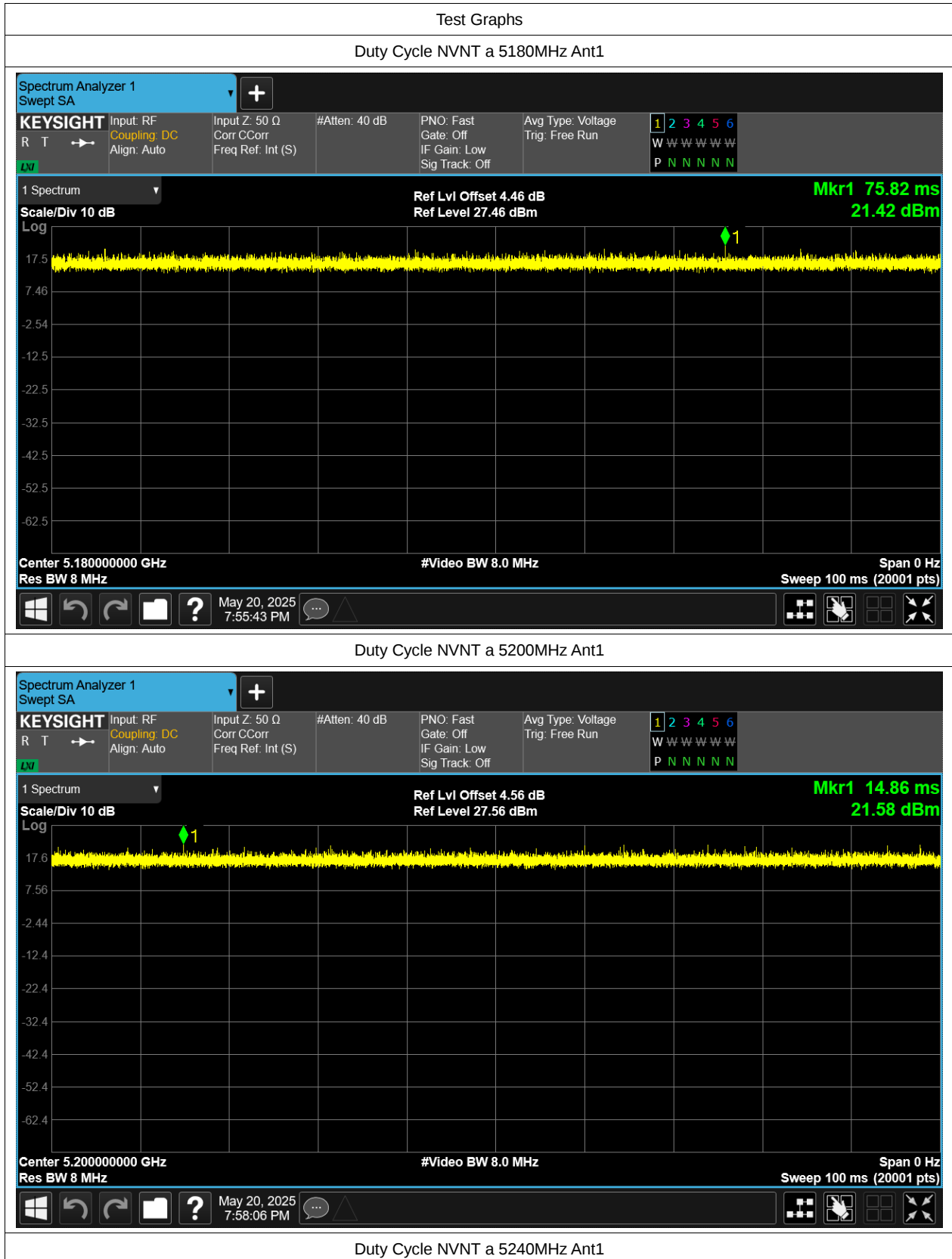


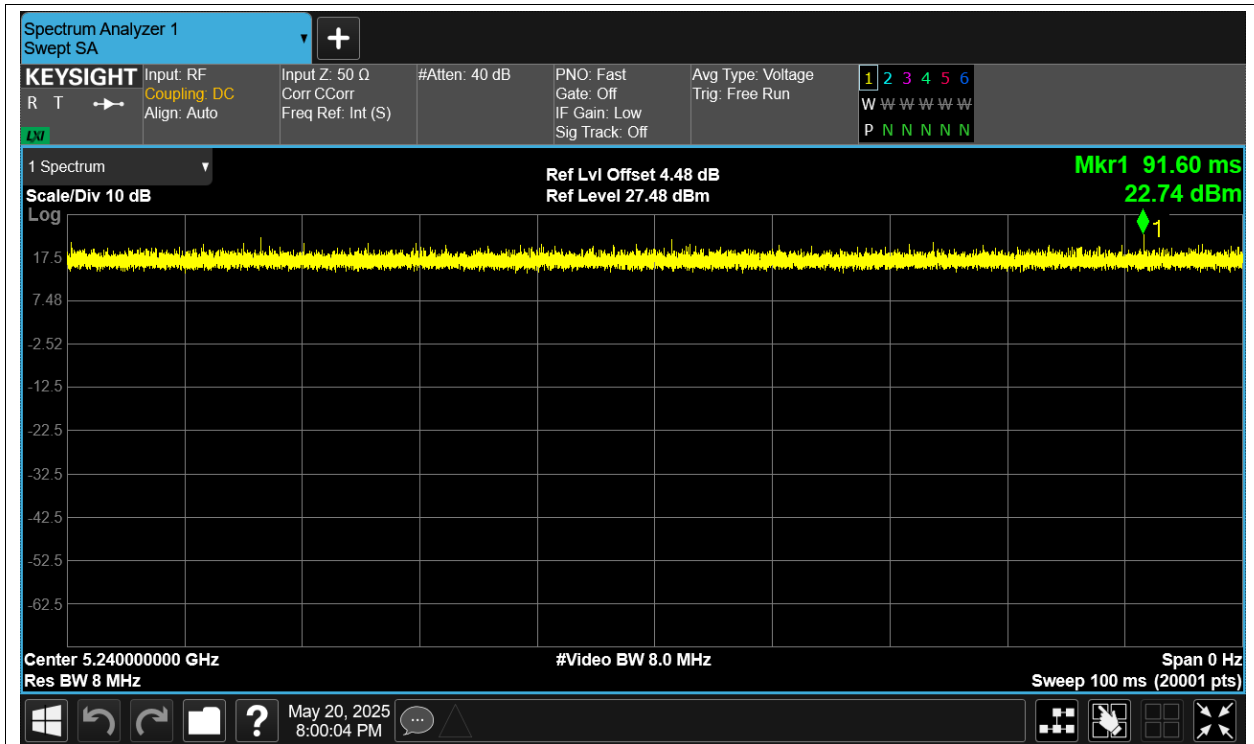
Freq. Stability NVNT n40 5190MHz Ant1



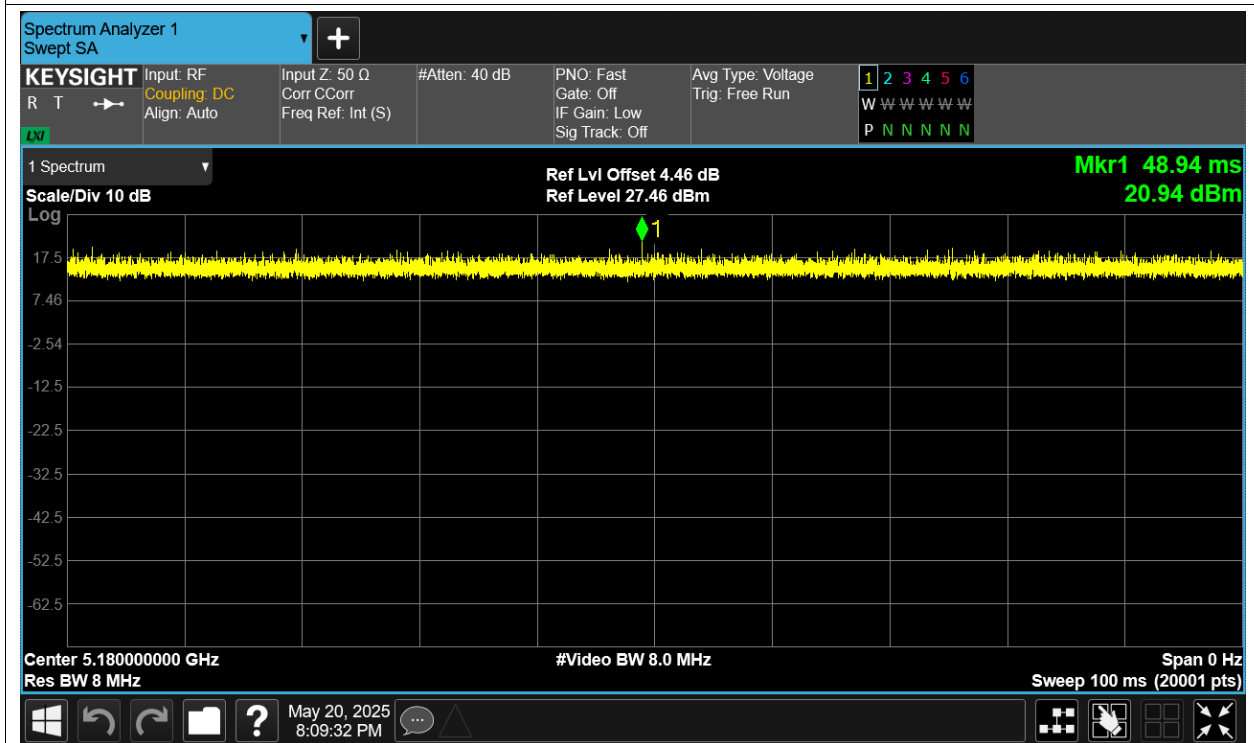
Duty Cycle

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

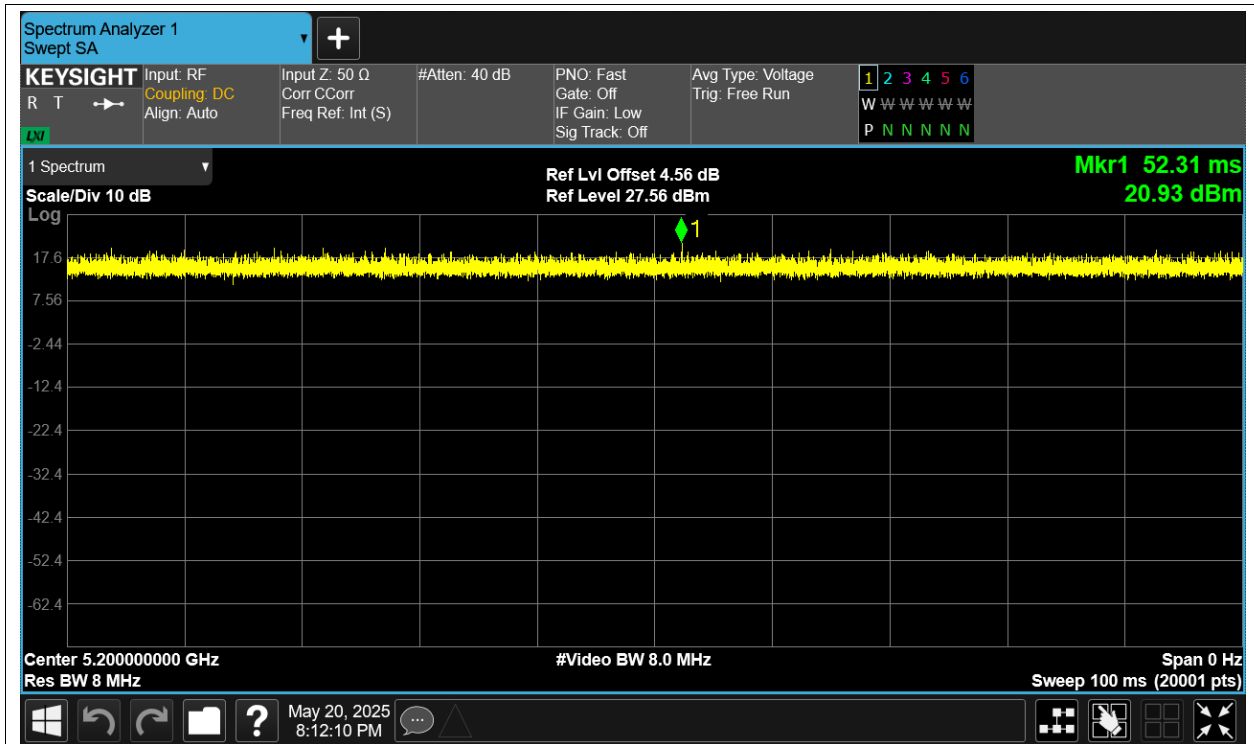




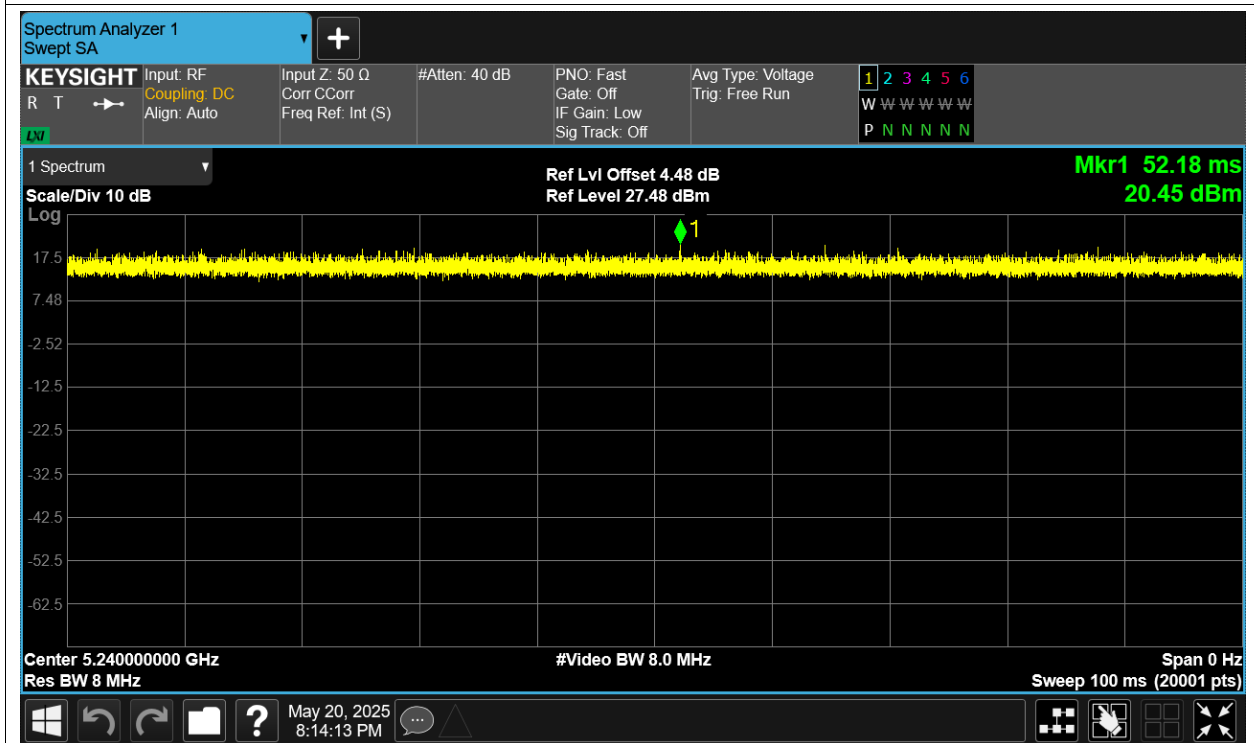
Duty Cycle NVNT ac20 5180MHz Ant1



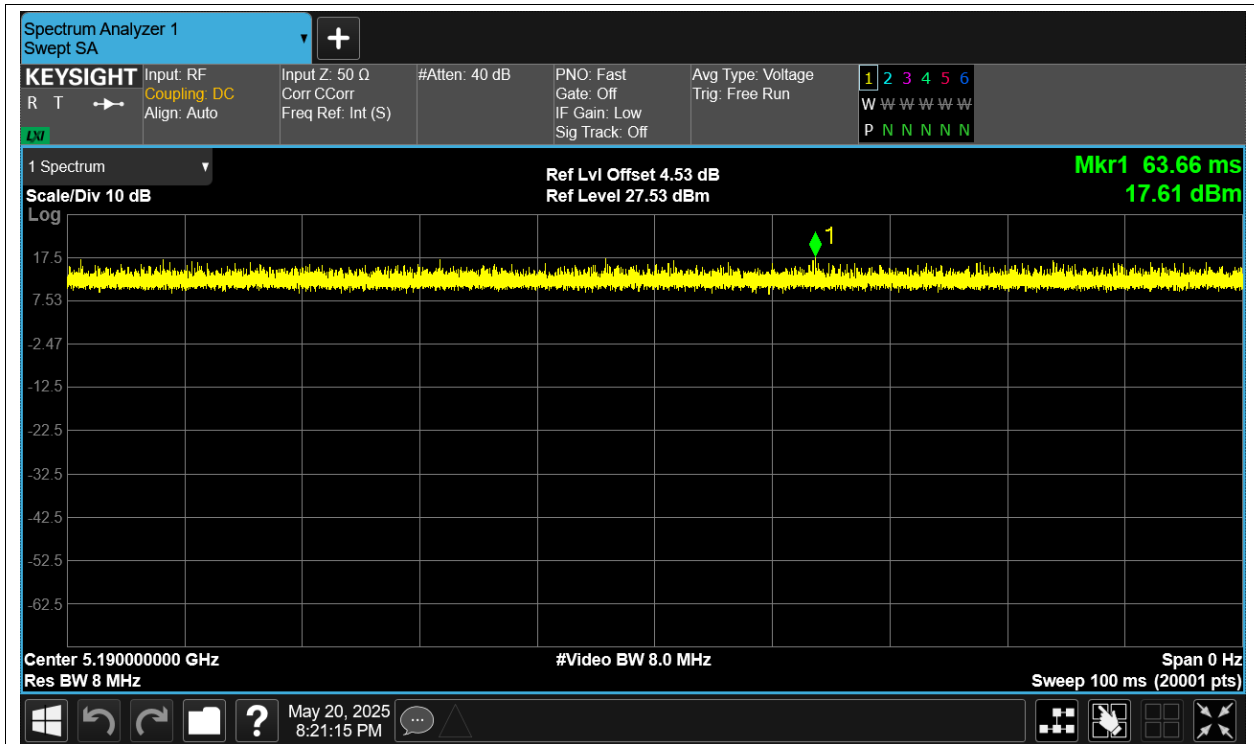
Duty Cycle NVNT ac20 5200MHz Ant1



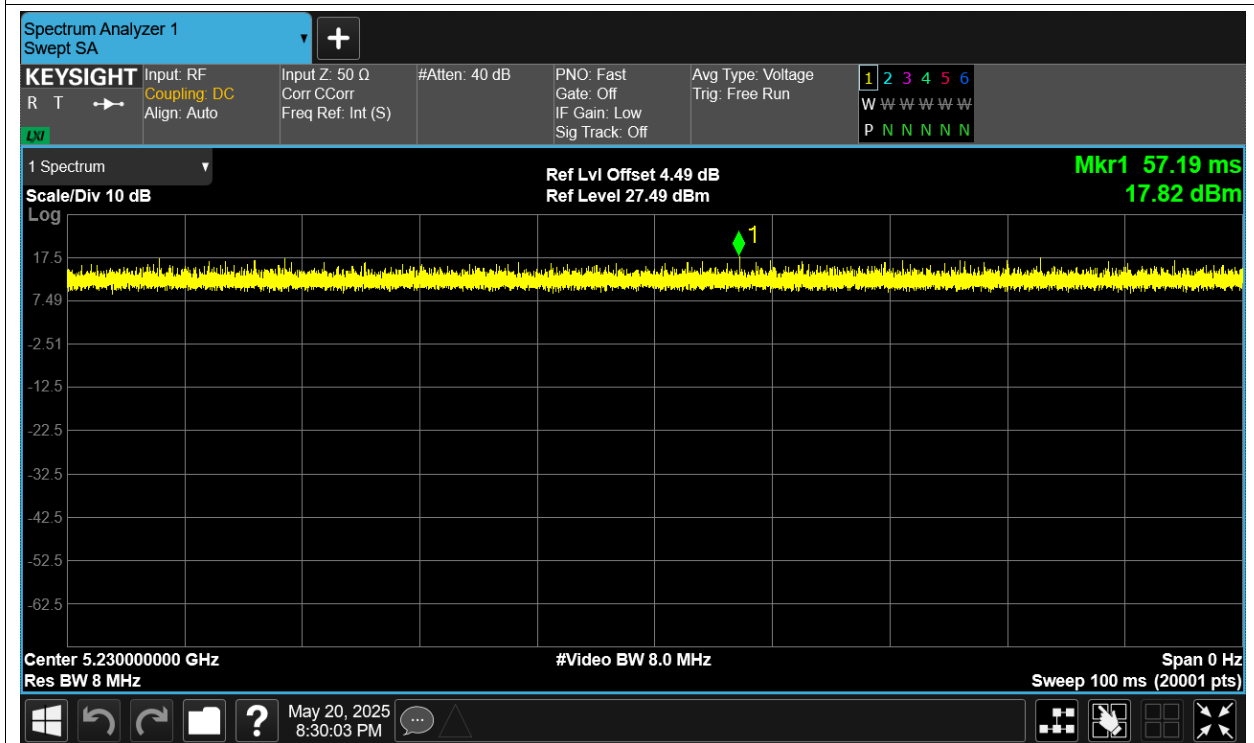
Duty Cycle NVNT ac20 5240MHz Ant1



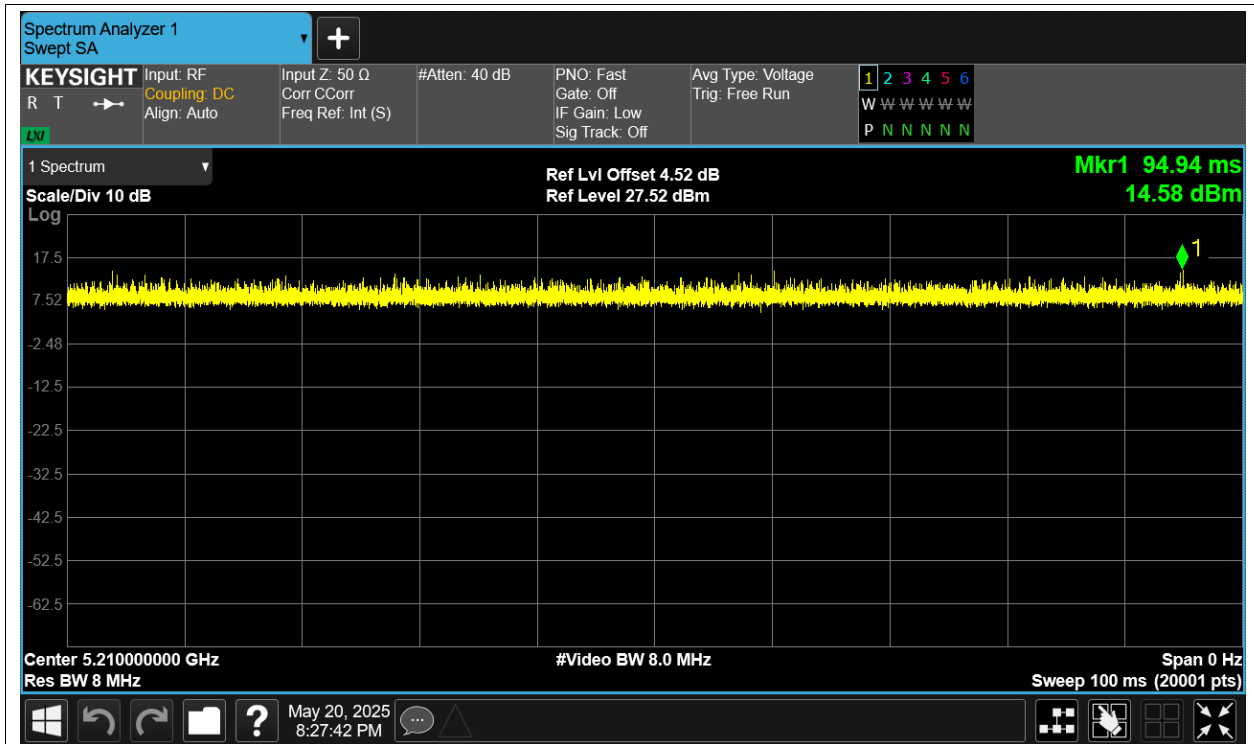
Duty Cycle NVNT ac40 5190MHz Ant1



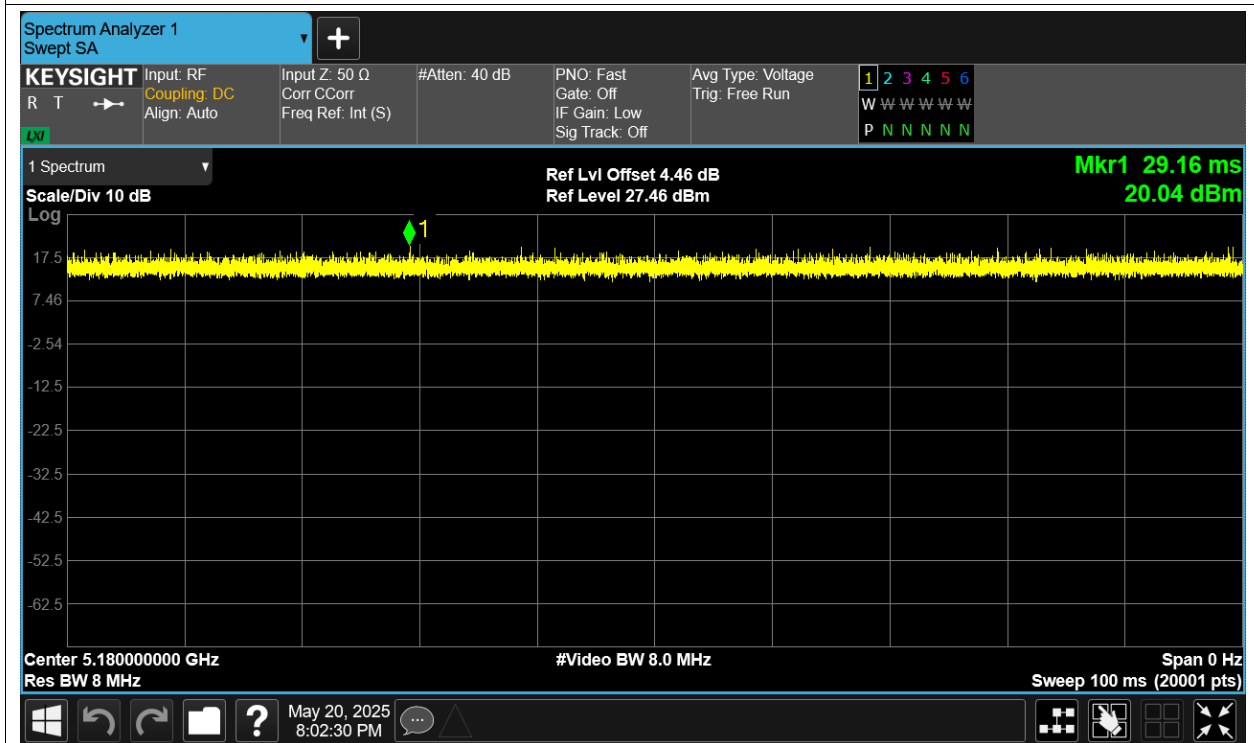
Duty Cycle NVNT ac40 5230MHz Ant1



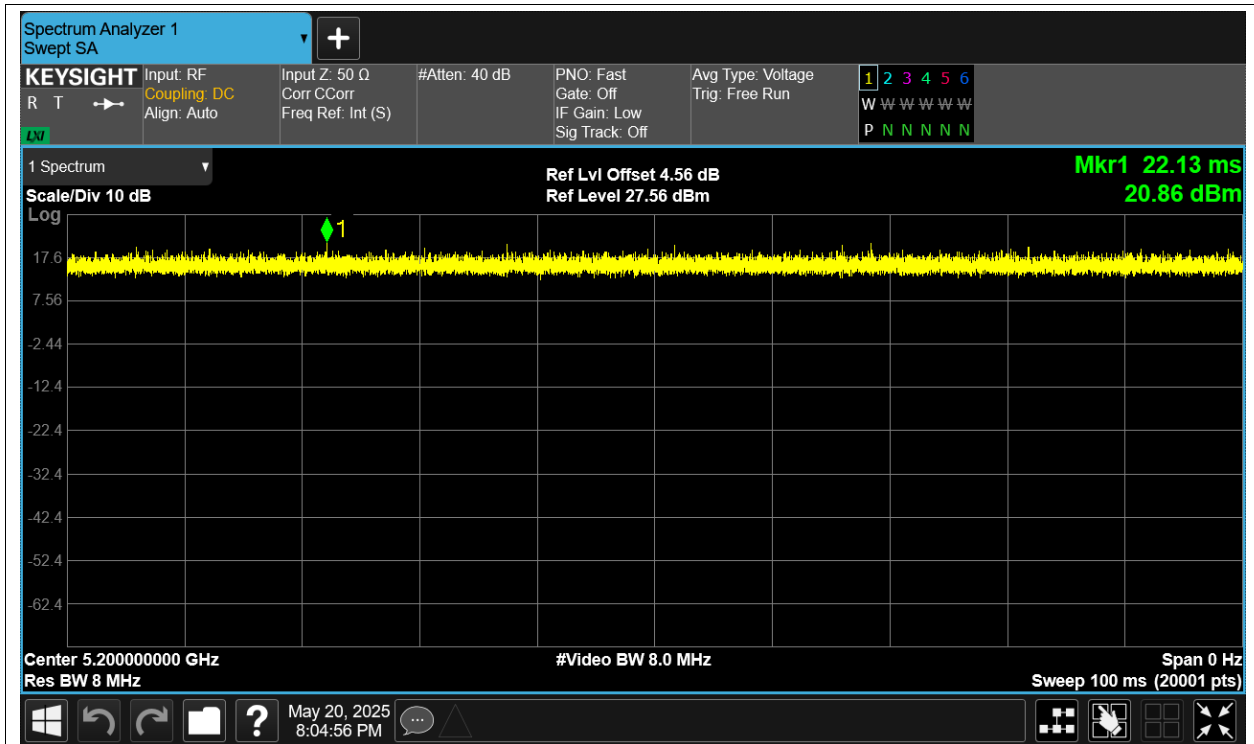
Duty Cycle NVNT ac80 5210MHz Ant1



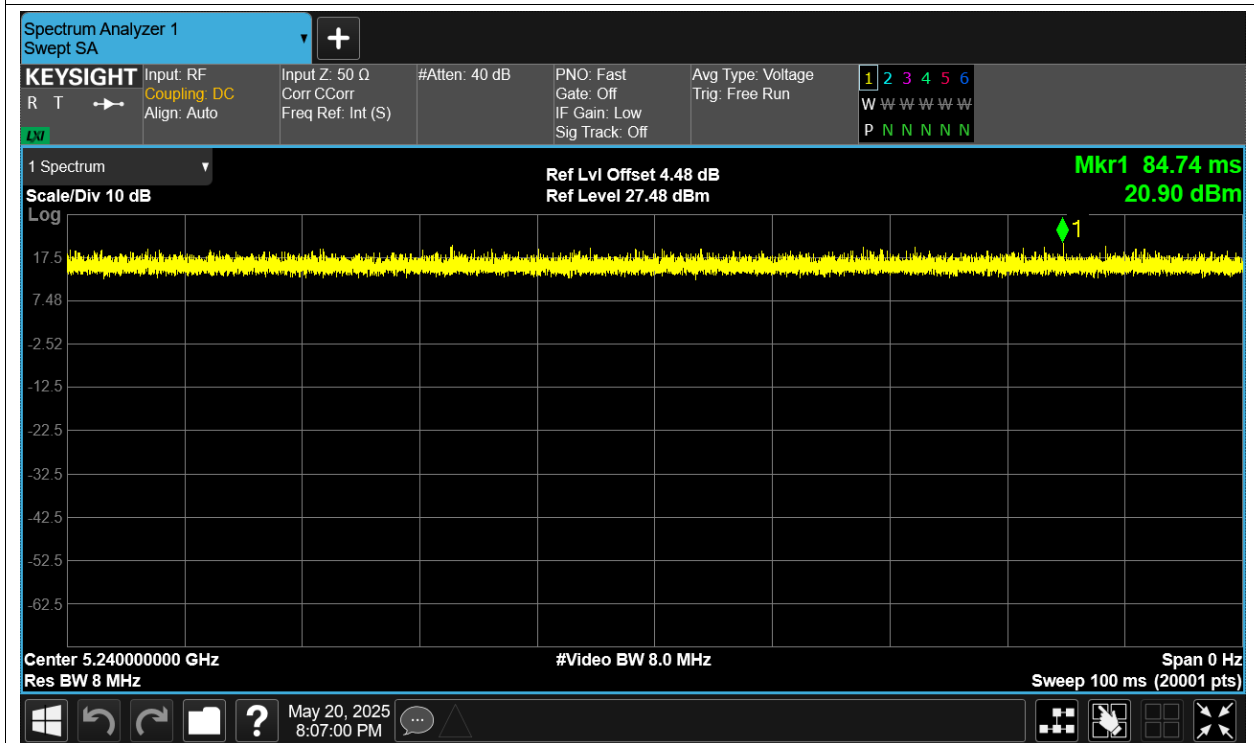
Duty Cycle NVNT n20 5180MHz Ant1



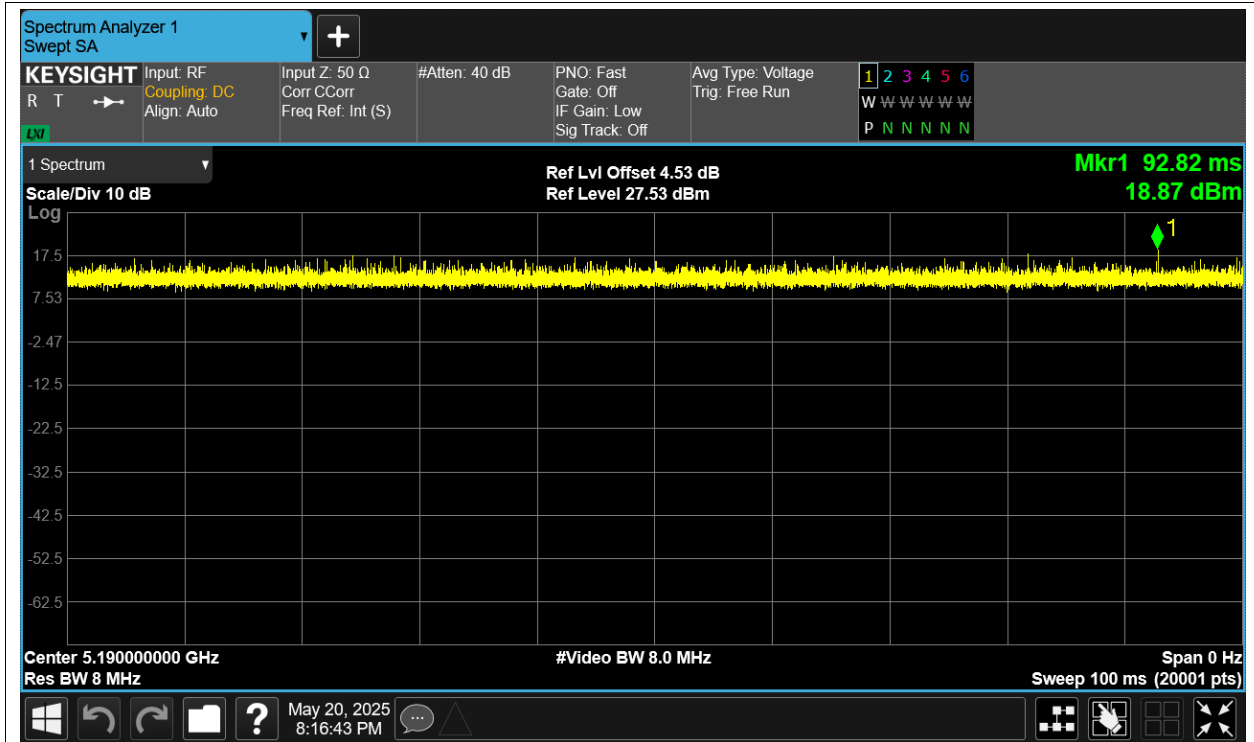
Duty Cycle NVNT n20 5200MHz Ant1



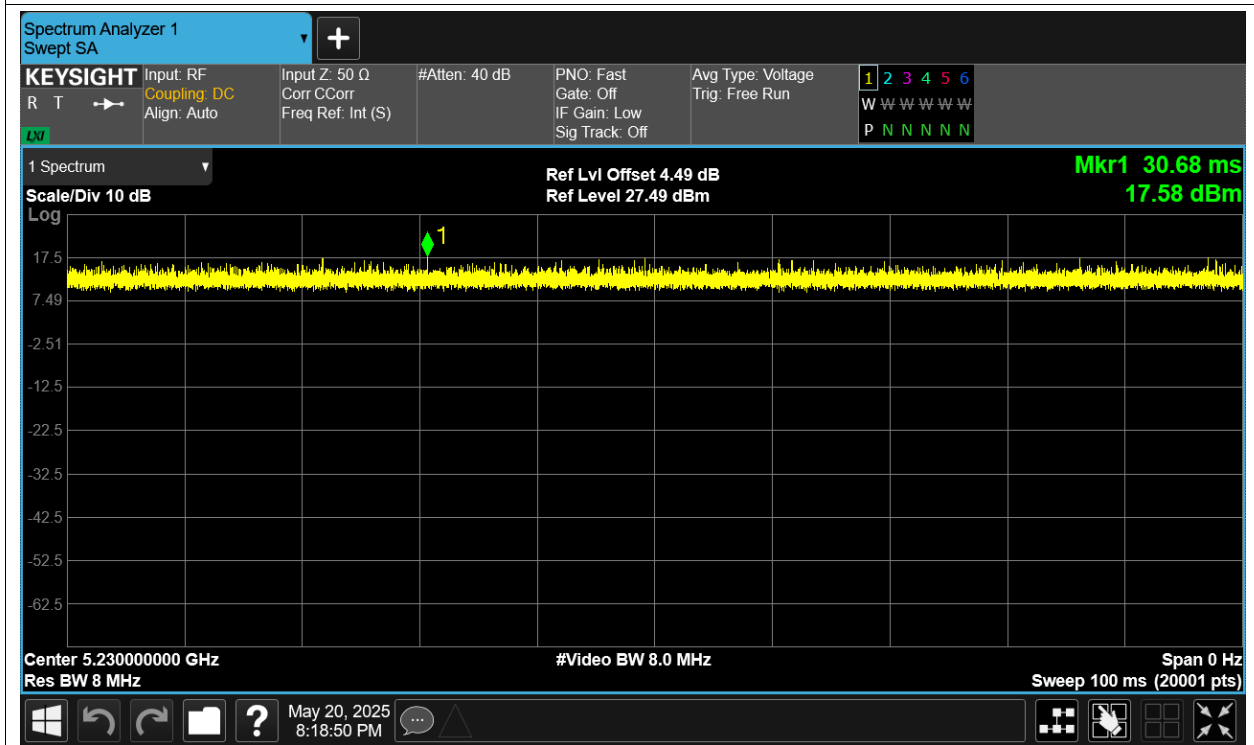
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

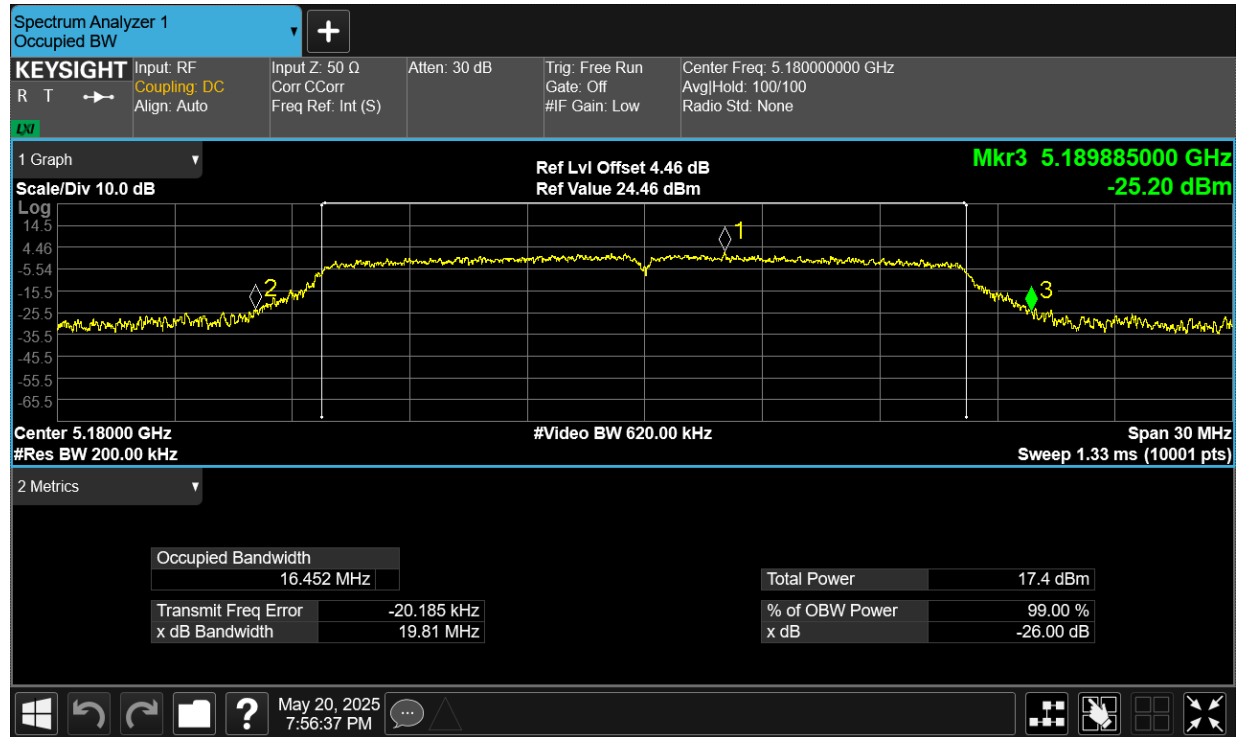
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.74	0	11.74	24	Pass
NVNT	a	5200	Ant1	12.98	0	12.98	24	Pass
NVNT	a	5240	Ant1	12.61	0	12.61	24	Pass
NVNT	ac20	5180	Ant1	10.96	0	10.96	24	Pass
NVNT	ac20	5200	Ant1	11.37	0	11.37	24	Pass
NVNT	ac20	5240	Ant1	11.2	0	11.2	24	Pass
NVNT	ac40	5190	Ant1	10.92	0	10.92	23	Pass
NVNT	ac40	5230	Ant1	10.94	0	10.94	24	Pass
NVNT	ac80	5210	Ant1	10.8	0	10.8	24	Pass
NVNT	n20	5180	Ant1	11.02	0	11.02	24	Pass
NVNT	n20	5200	Ant1	11.87	0	11.87	24	Pass
NVNT	n20	5240	Ant1	11.43	0	11.43	24	Pass
NVNT	n40	5190	Ant1	10.85	0	10.85	24	Pass
NVNT	n40	5230	Ant1	11.2	0	11.2	24	Pass

-26dB Bandwidth

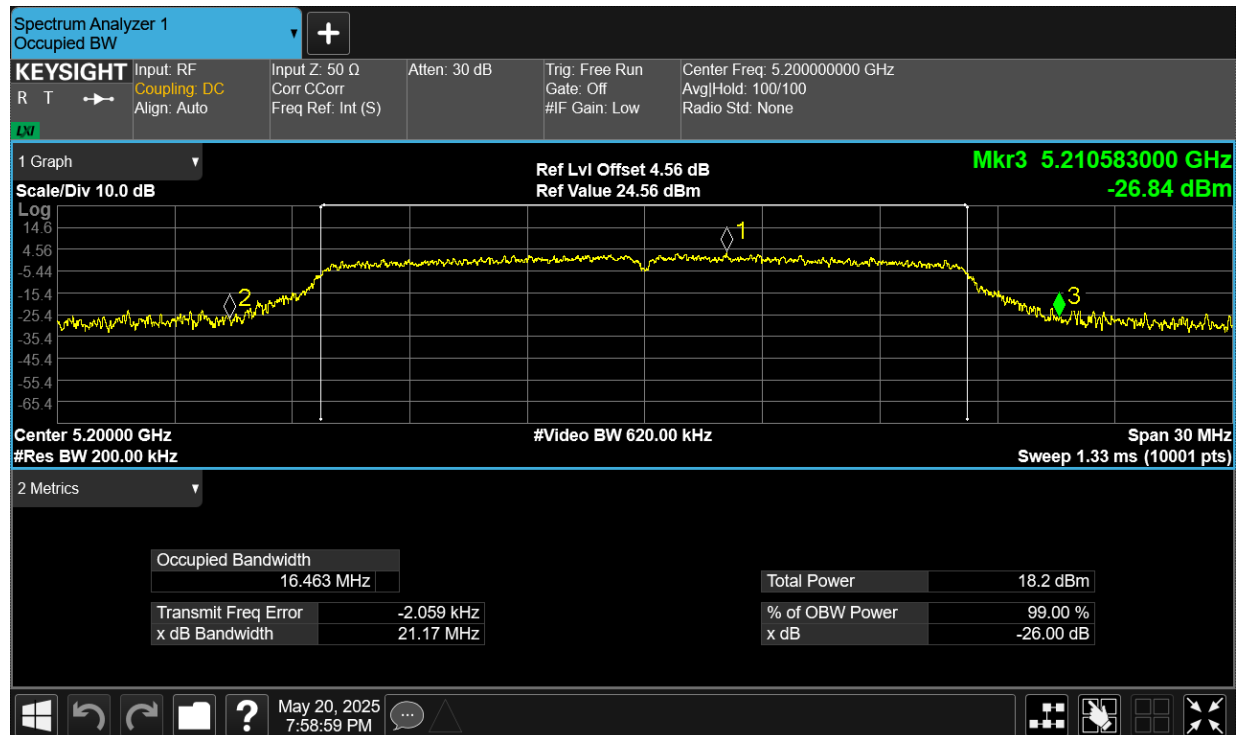
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	19.809
NVNT	a	5200	Ant1	21.17
NVNT	a	5240	Ant1	21.902
NVNT	ac20	5180	Ant1	20.159
NVNT	ac20	5200	Ant1	20.239
NVNT	ac20	5240	Ant1	21.685
NVNT	ac40	5190	Ant1	40.4
NVNT	ac40	5230	Ant1	40.505
NVNT	ac80	5210	Ant1	80.34
NVNT	n20	5180	Ant1	20.151
NVNT	n20	5200	Ant1	20.238
NVNT	n20	5240	Ant1	20.287
NVNT	n40	5190	Ant1	39.923
NVNT	n40	5230	Ant1	40.666

Test Graphs

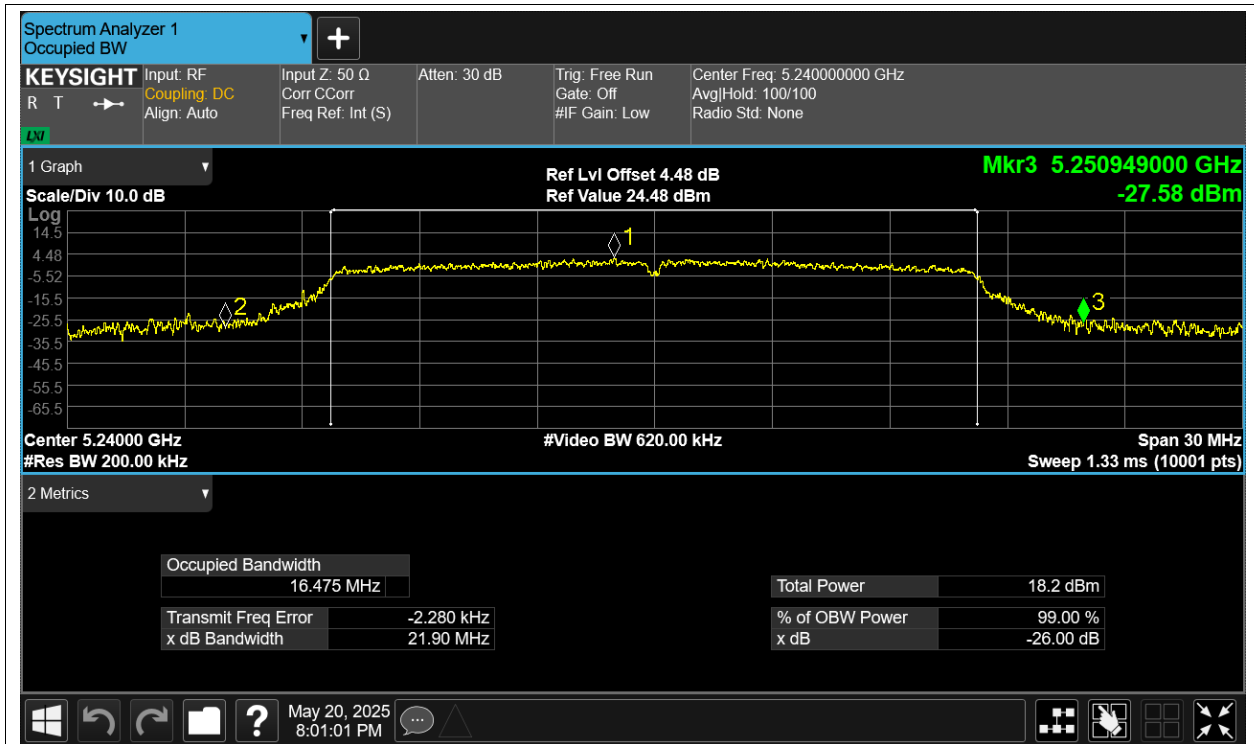
-26dB Bandwidth NVNT a 5180MHz Ant1



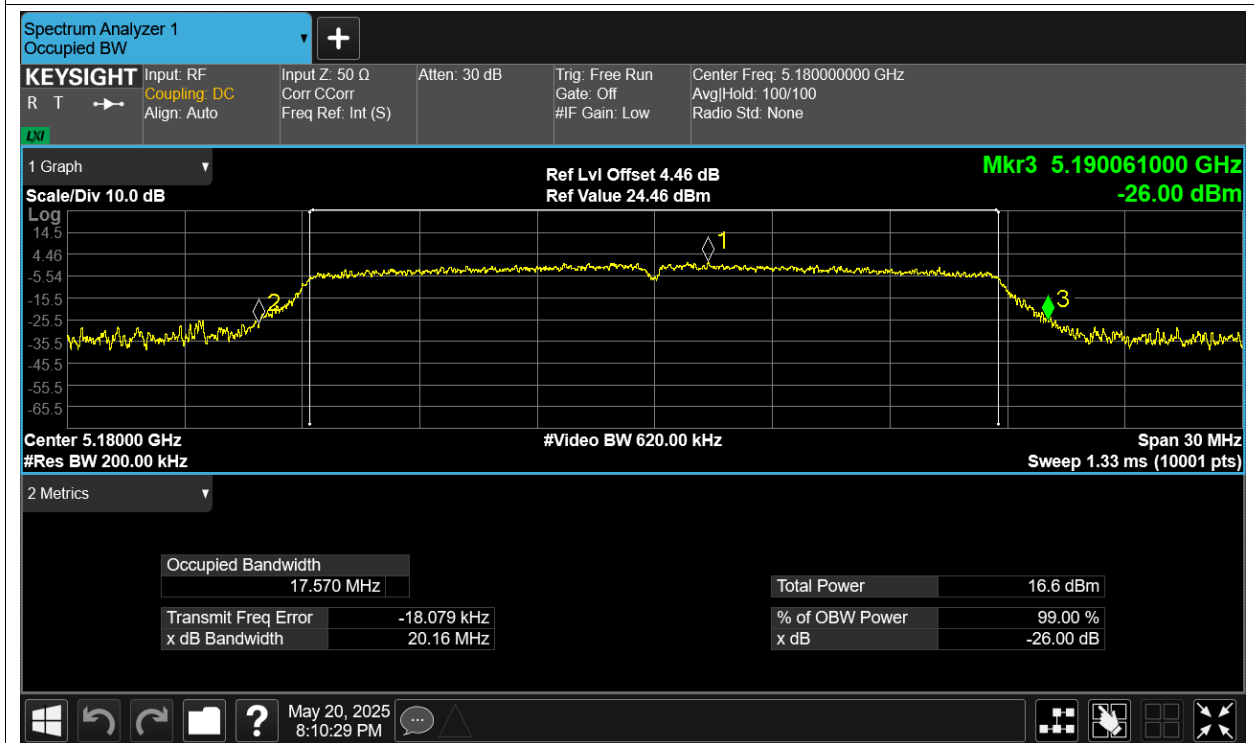
-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1



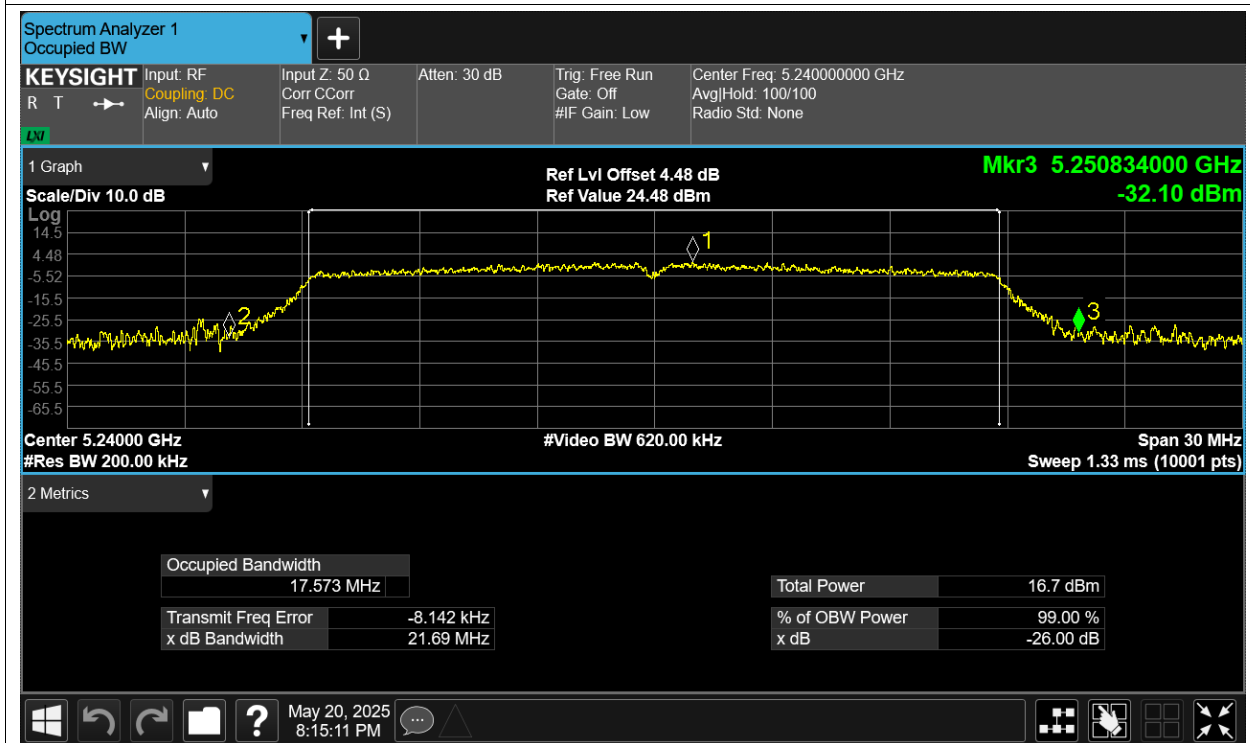
-26dB Bandwidth NVNT ac20 5180MHz Ant1



-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



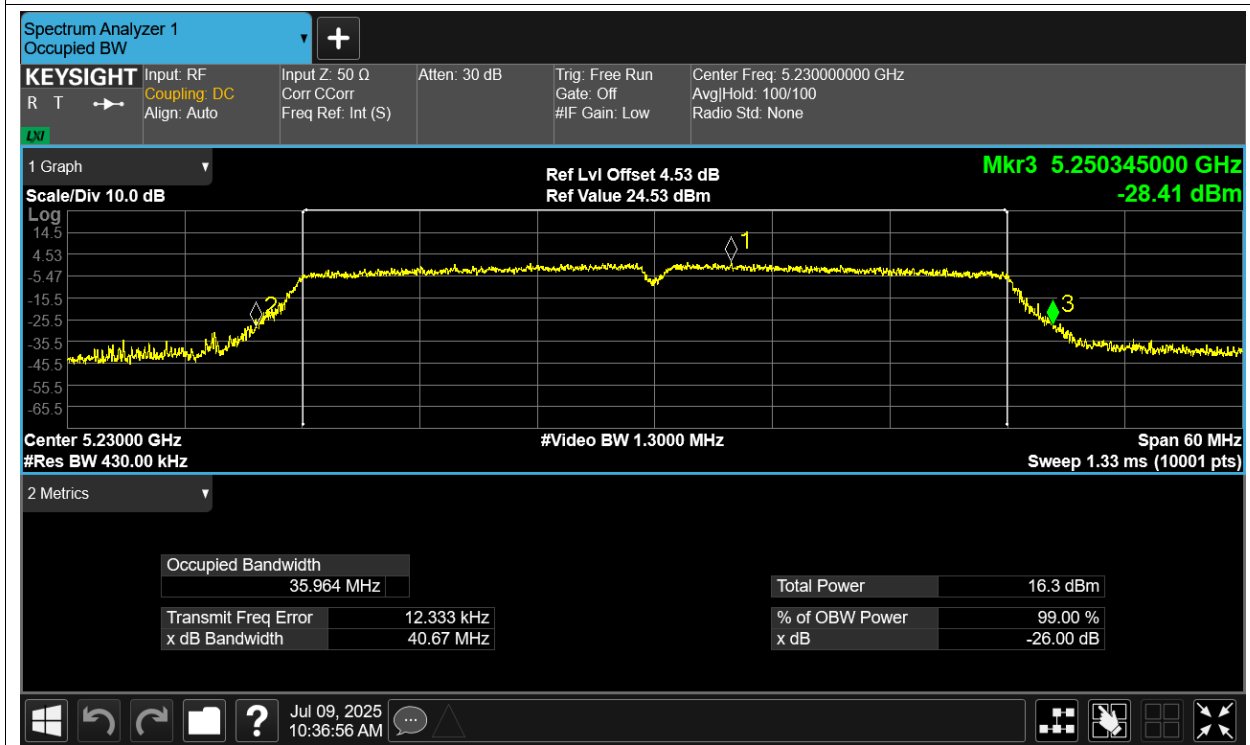
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1

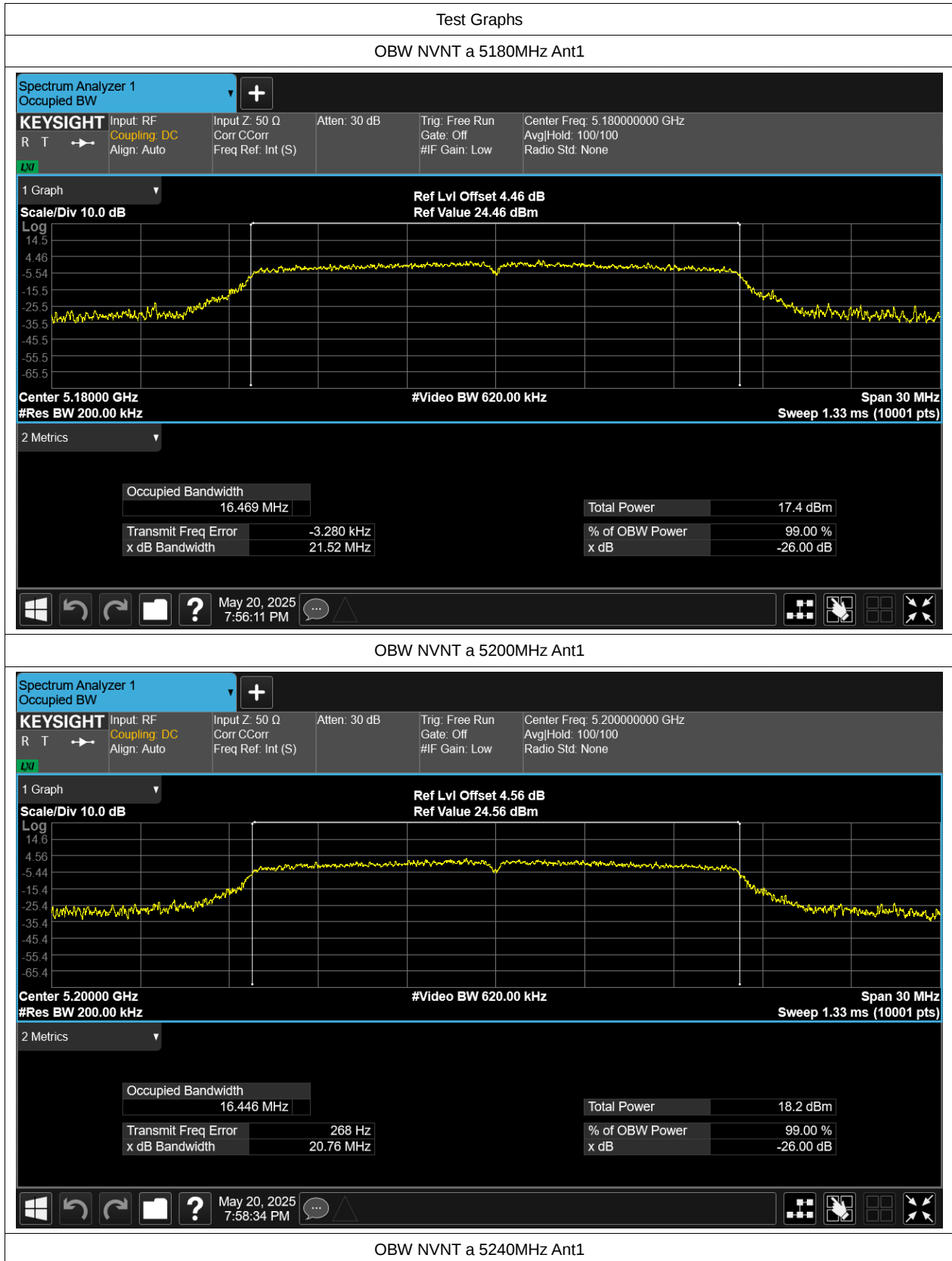


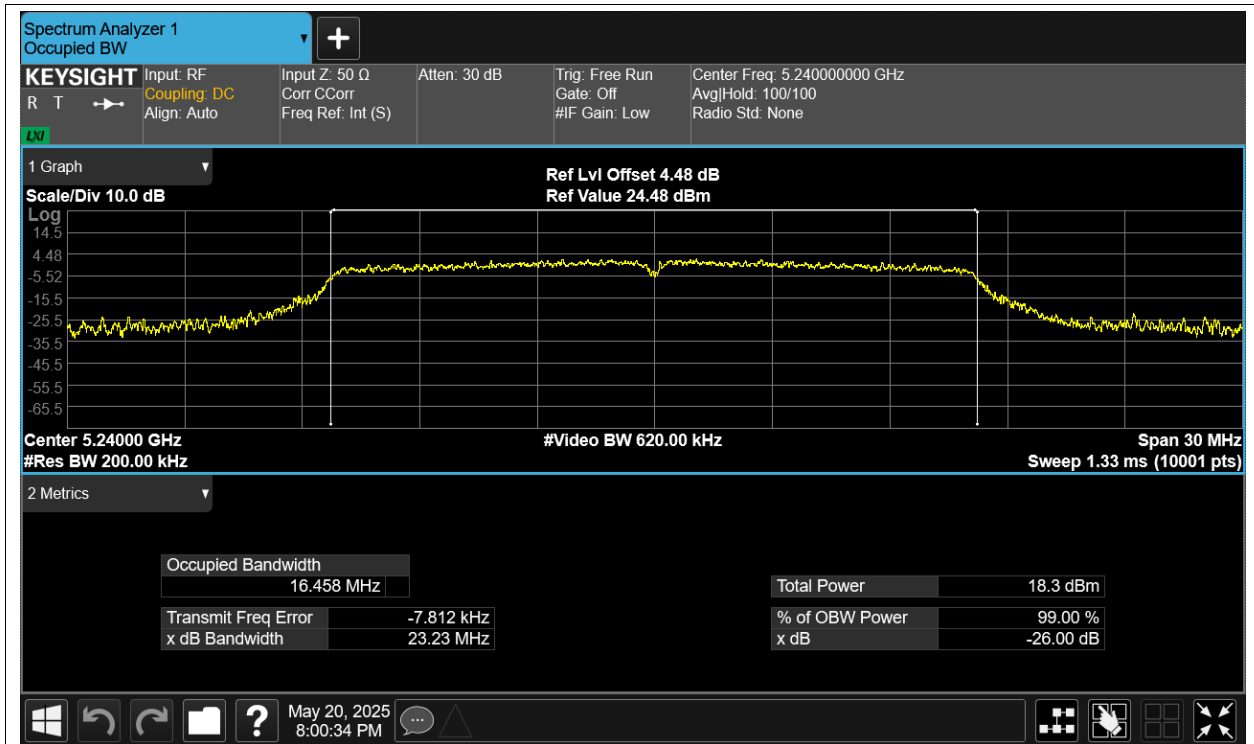
-26dB Bandwidth NVNT n40 5230MHz Ant1



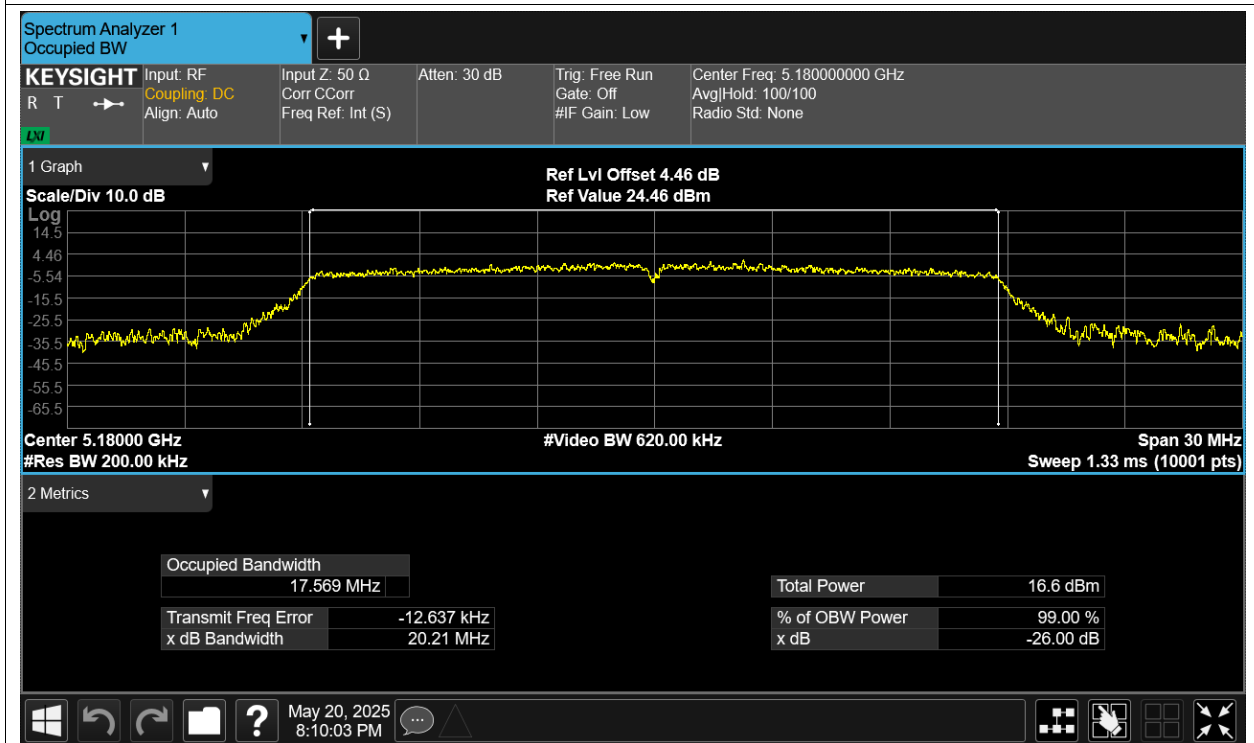
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.469
NVNT	a	5200	Ant1	16.446
NVNT	a	5240	Ant1	16.458
NVNT	ac20	5180	Ant1	17.569
NVNT	ac20	5200	Ant1	17.583
NVNT	ac20	5240	Ant1	17.579
NVNT	ac40	5190	Ant1	35.941
NVNT	ac40	5230	Ant1	36.002
NVNT	ac80	5210	Ant1	75.168
NVNT	n20	5180	Ant1	17.584
NVNT	n20	5200	Ant1	17.572
NVNT	n20	5240	Ant1	17.585
NVNT	n40	5190	Ant1	35.948
NVNT	n40	5230	Ant1	35.894

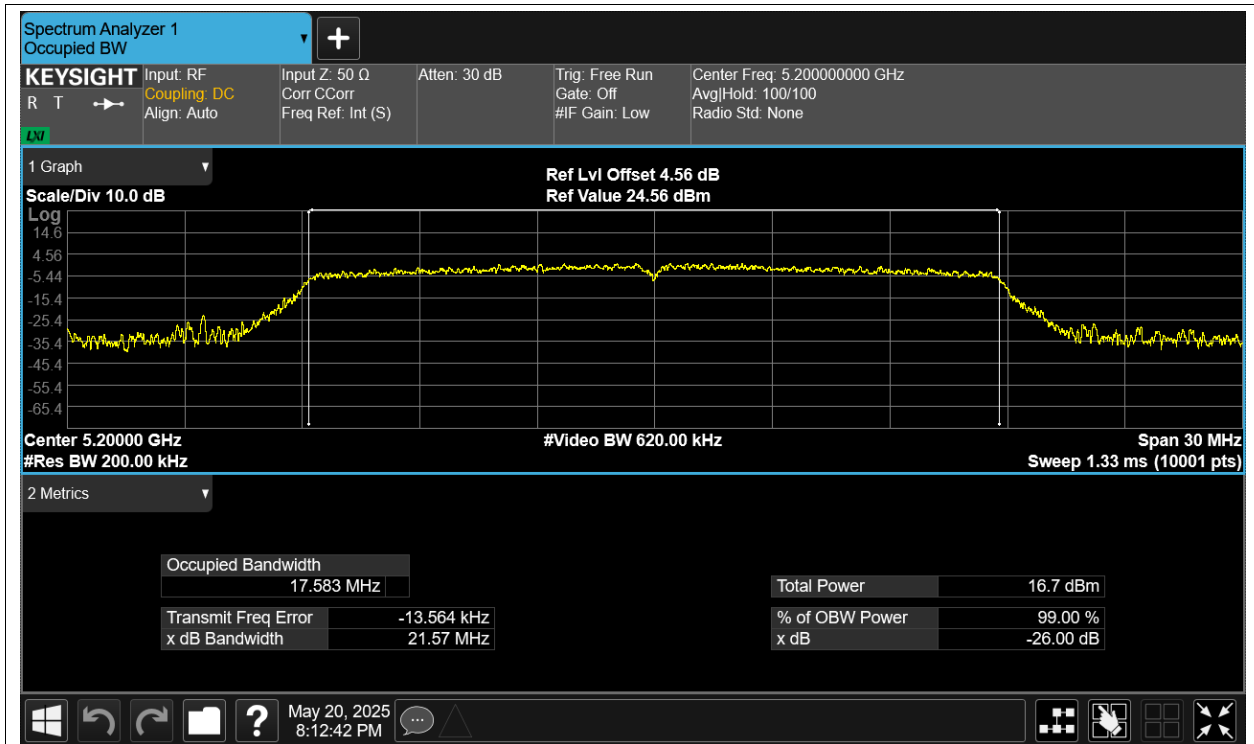




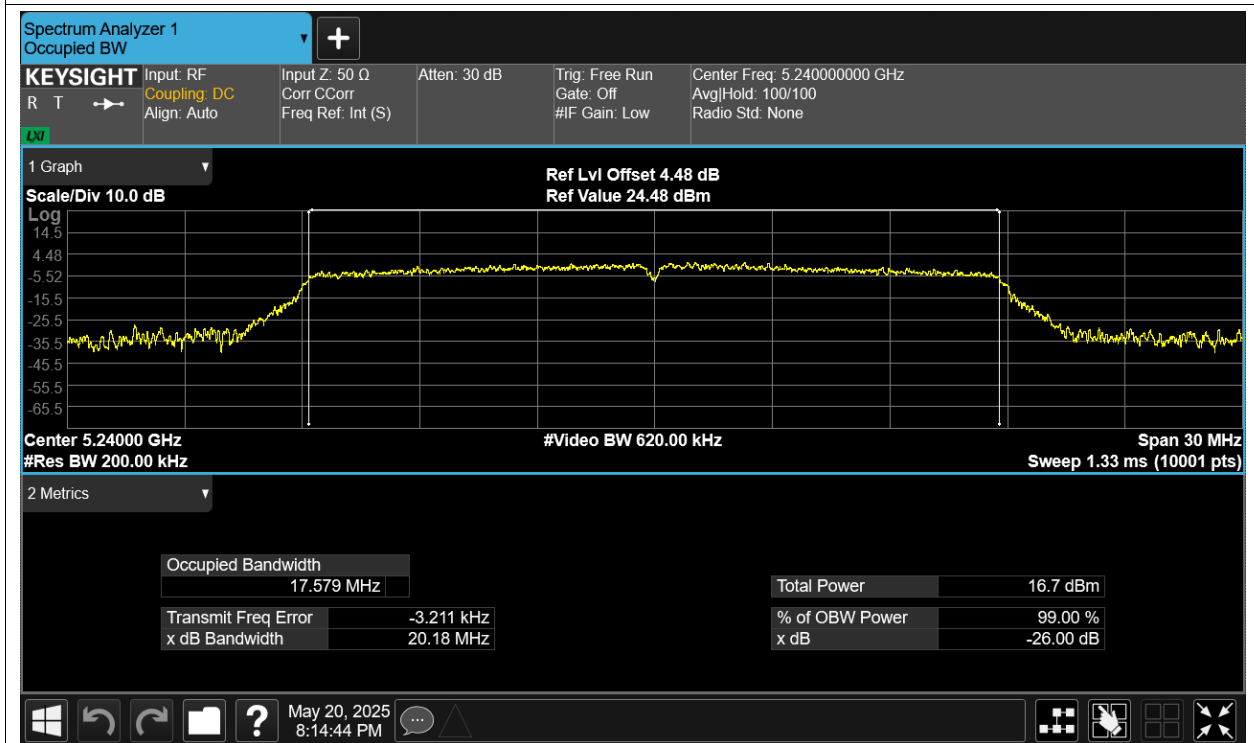
OBW NVNT ac20 5180MHz Ant1



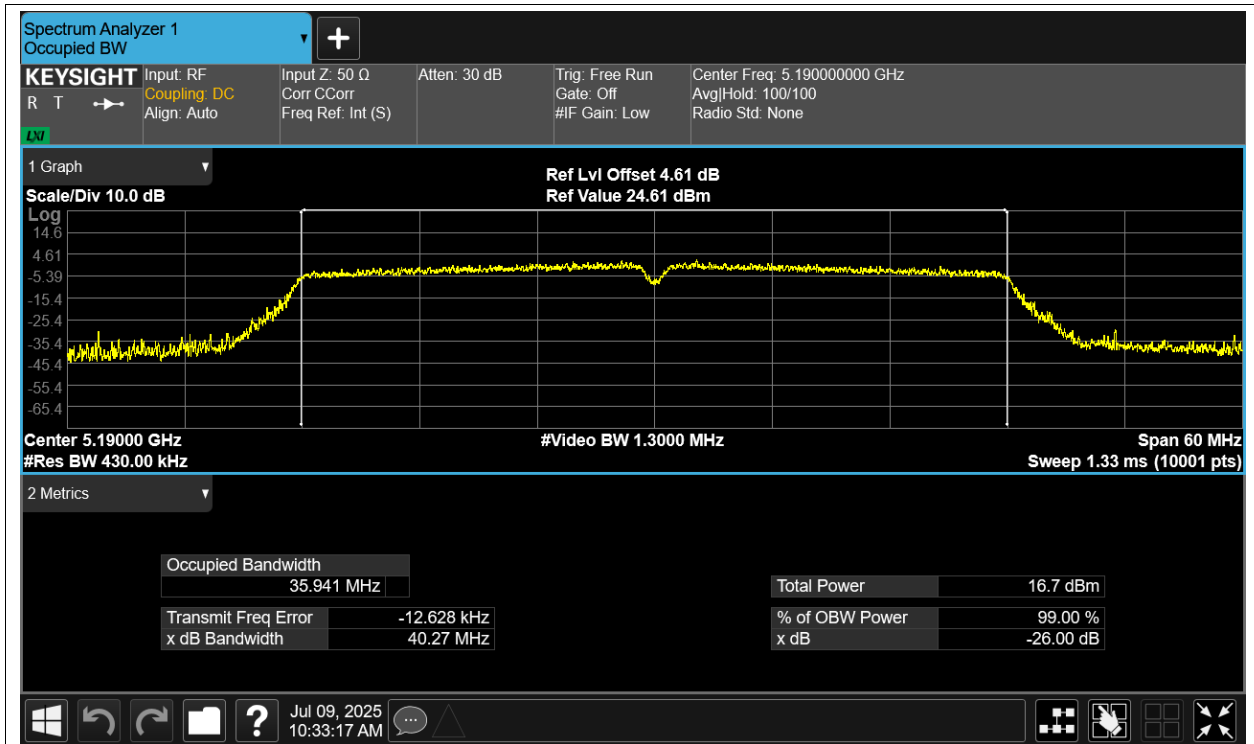
OBW NVNT ac20 5200MHz Ant1



OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



OBW NVNT ac40 5230MHz Ant1



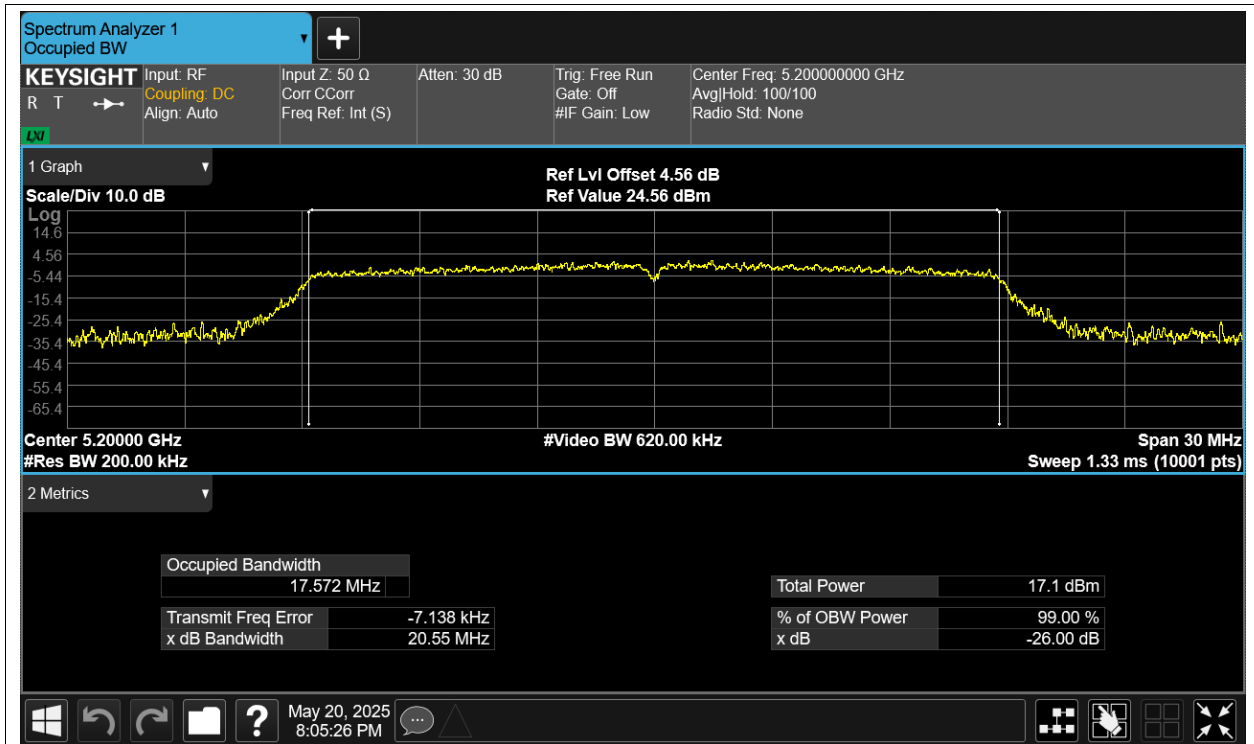
OBW NVNT ac80 5210MHz Ant1



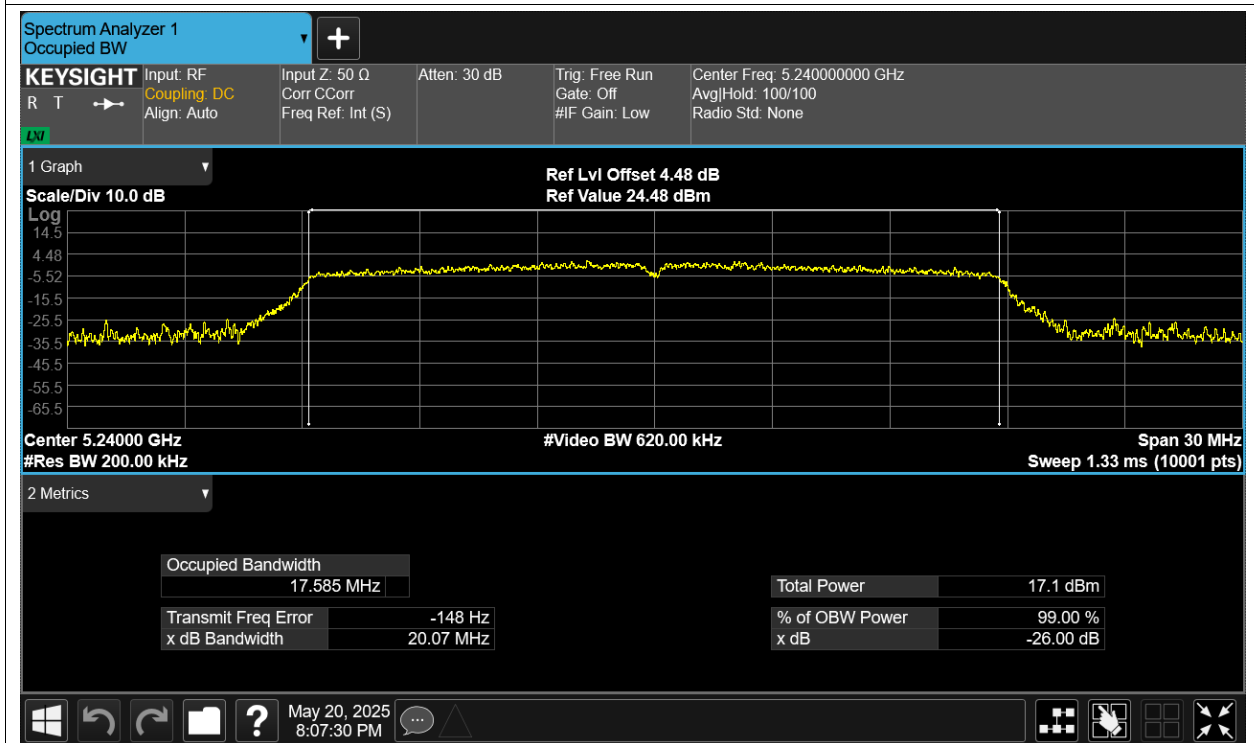
OBW NVNT n20 5180MHz Ant1



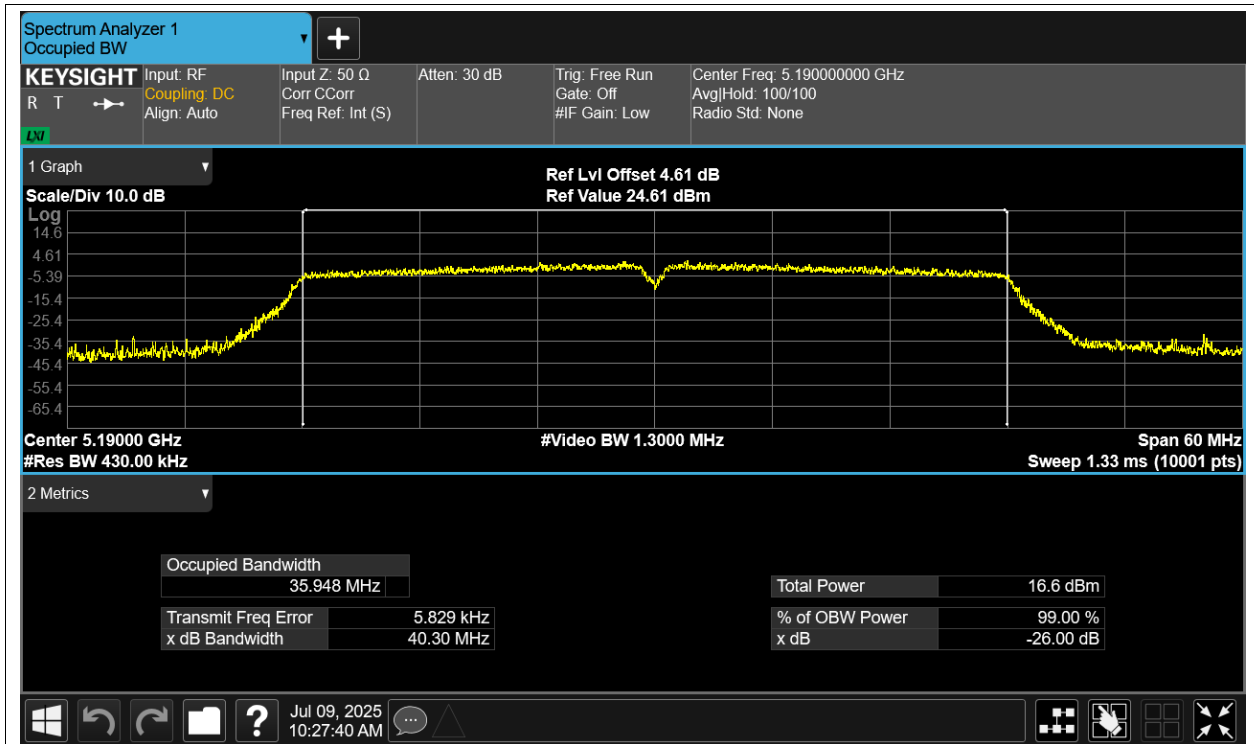
OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1



Maximum Power Spectral Density Level

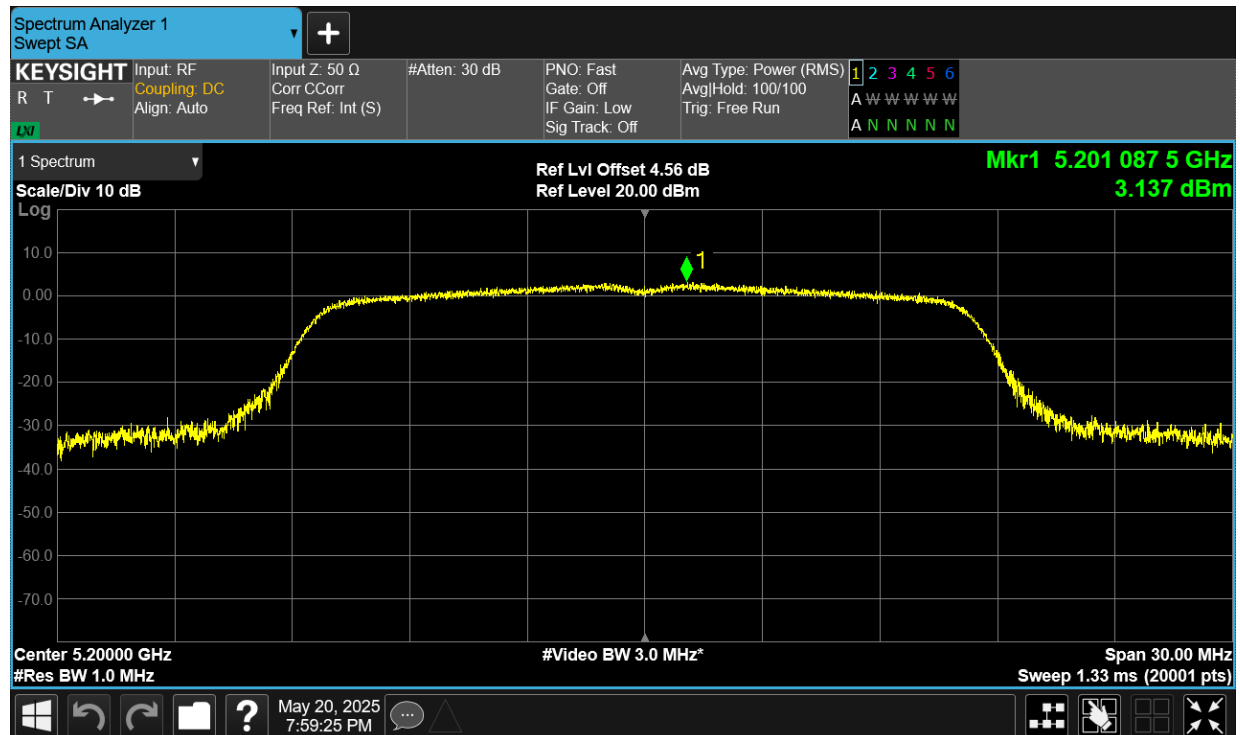
Condition	Mode	Frequency (MHz)	Antenna	Correction Factor (dB)	Max PSD (dBm/MHz)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	0	2.087	2.087	11	Pass
NVNT	a	5200	Ant1	0	3.137	3.137	11	Pass
NVNT	a	5240	Ant1	0	3.477	3.477	11	Pass
NVNT	ac20	5180	Ant1	0	1.305	1.305	11	Pass
NVNT	ac20	5200	Ant1	0	1.249	1.249	11	Pass
NVNT	ac20	5240	Ant1	0	1.595	1.595	11	Pass
NVNT	ac40	5190	Ant1	0	-0.749	-0.749	11	Pass
NVNT	ac40	5230	Ant1	0	-1.067	-1.067	11	Pass
NVNT	ac80	5210	Ant1	0	-4.72	-4.72	11	Pass
NVNT	n20	5180	Ant1	0	1.579	1.579	11	Pass
NVNT	n20	5200	Ant1	0	1.823	1.823	11	Pass
NVNT	n20	5240	Ant1	0	1.763	1.763	11	Pass
NVNT	n40	5190	Ant1	0	-1.353	-1.353	11	Pass
NVNT	n40	5230	Ant1	0	-1.078	-1.078	11	Pass

Test Graphs

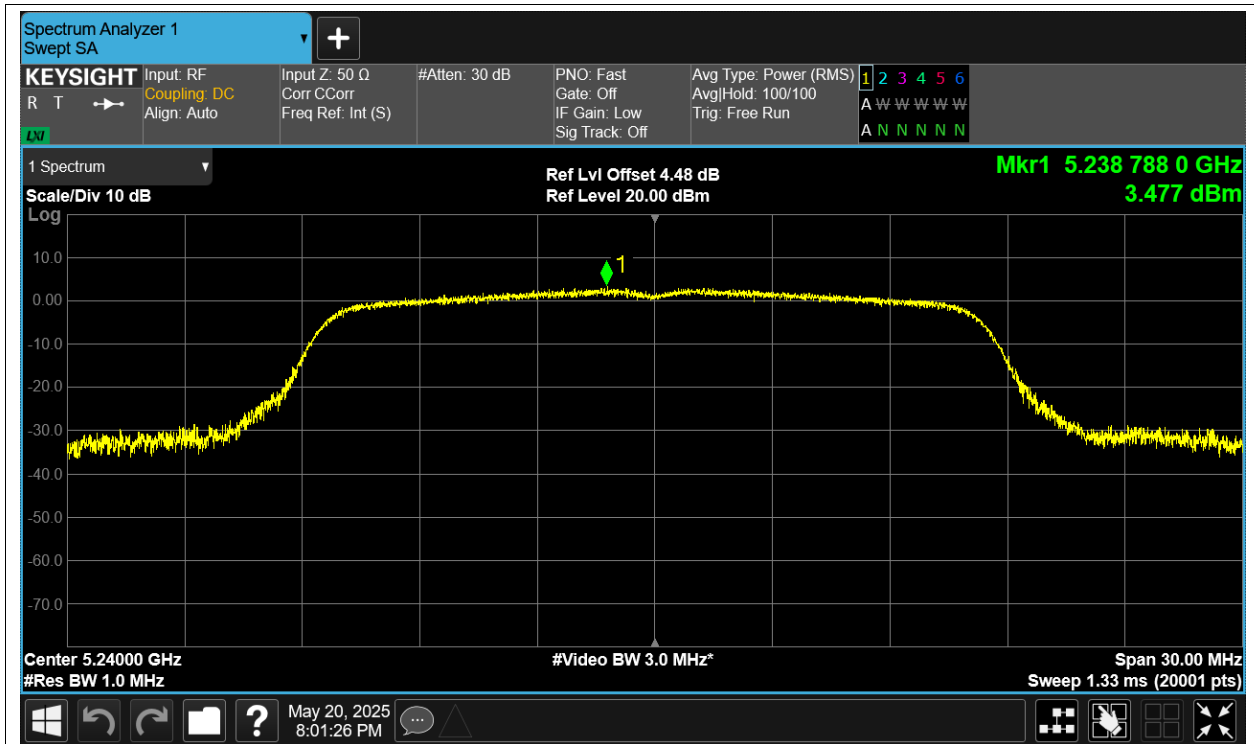
PSD NVNT a 5180MHz Ant1



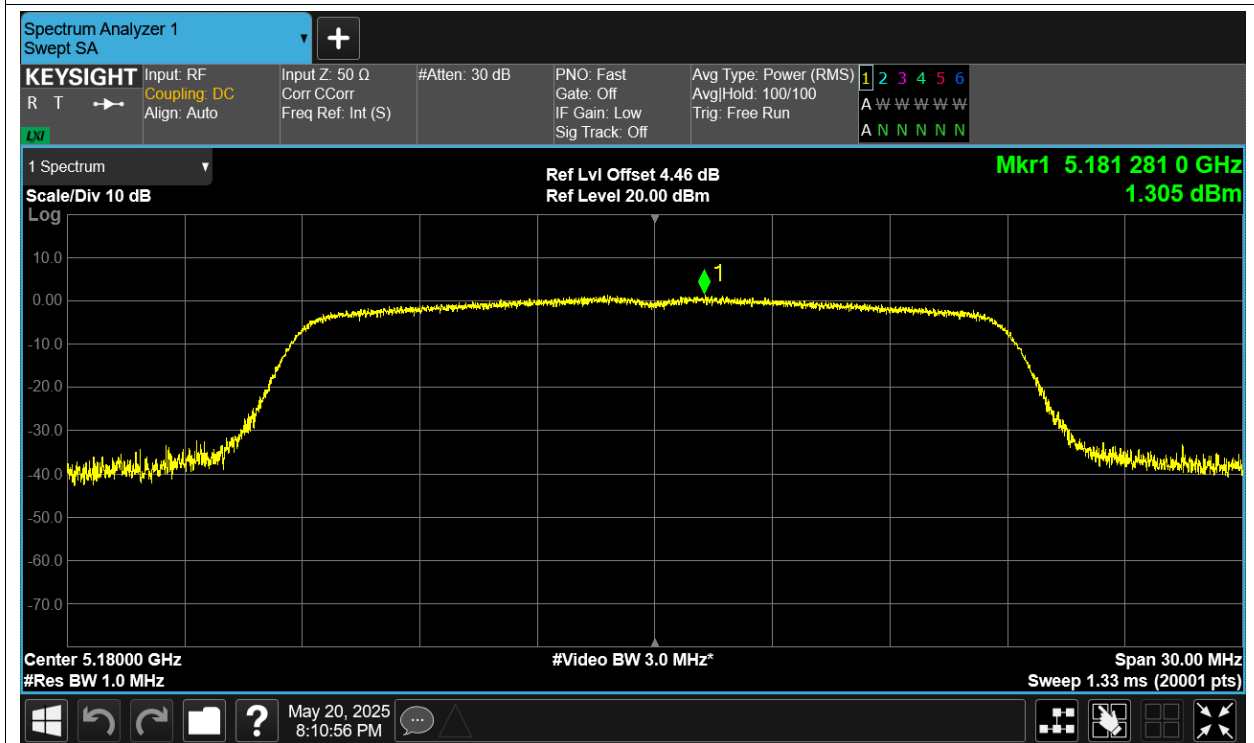
PSD NVNT a 5200MHz Ant1



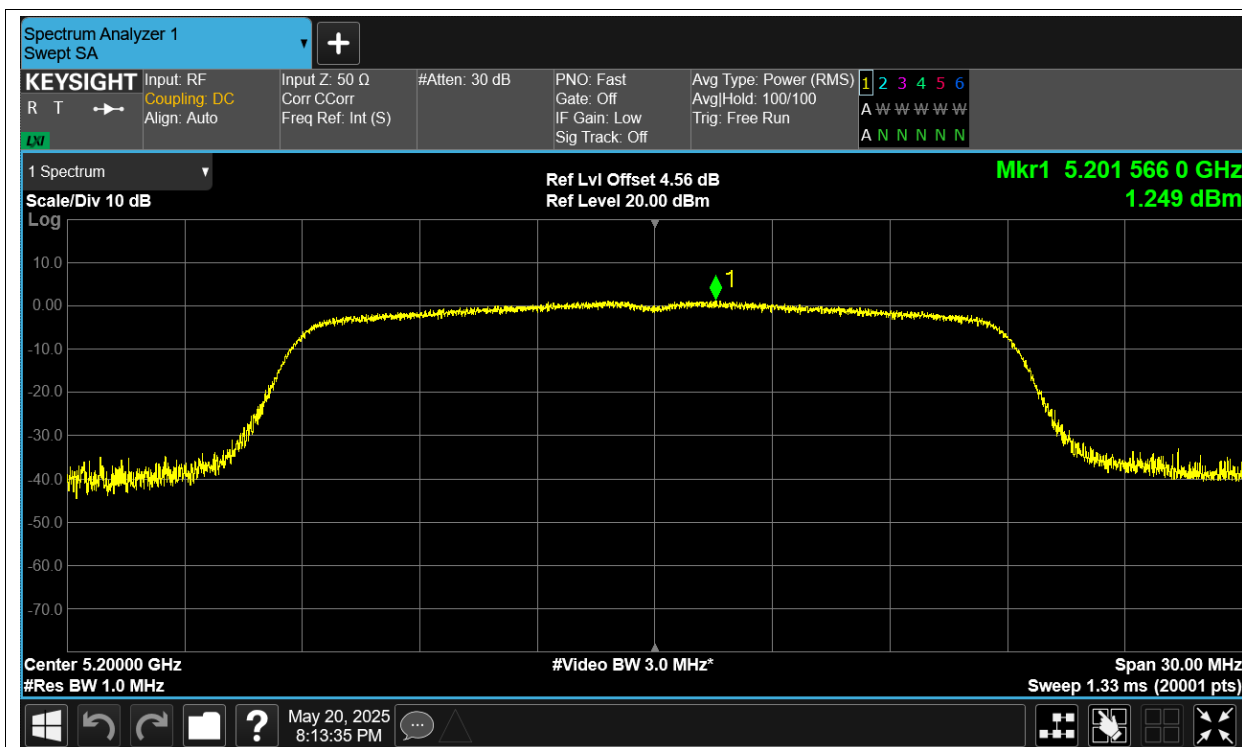
PSD NVNT a 5240MHz Ant1



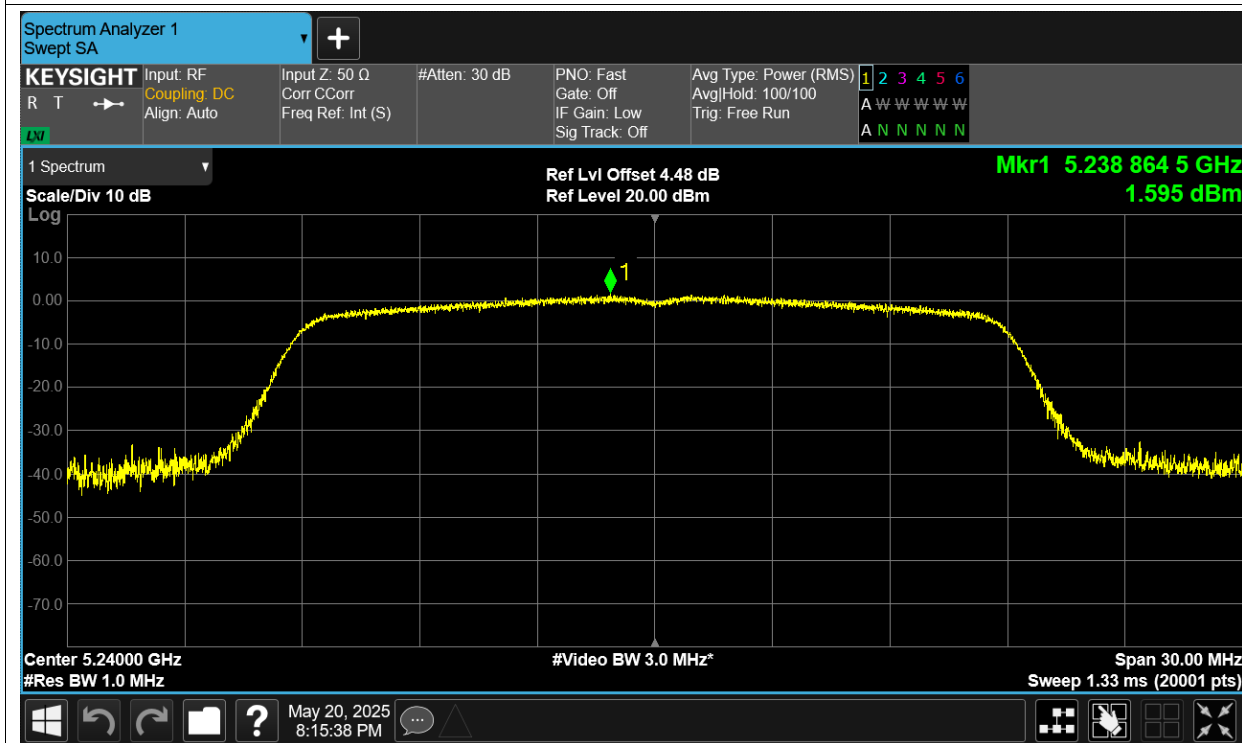
PSD NVNT ac20 5180MHz Ant1



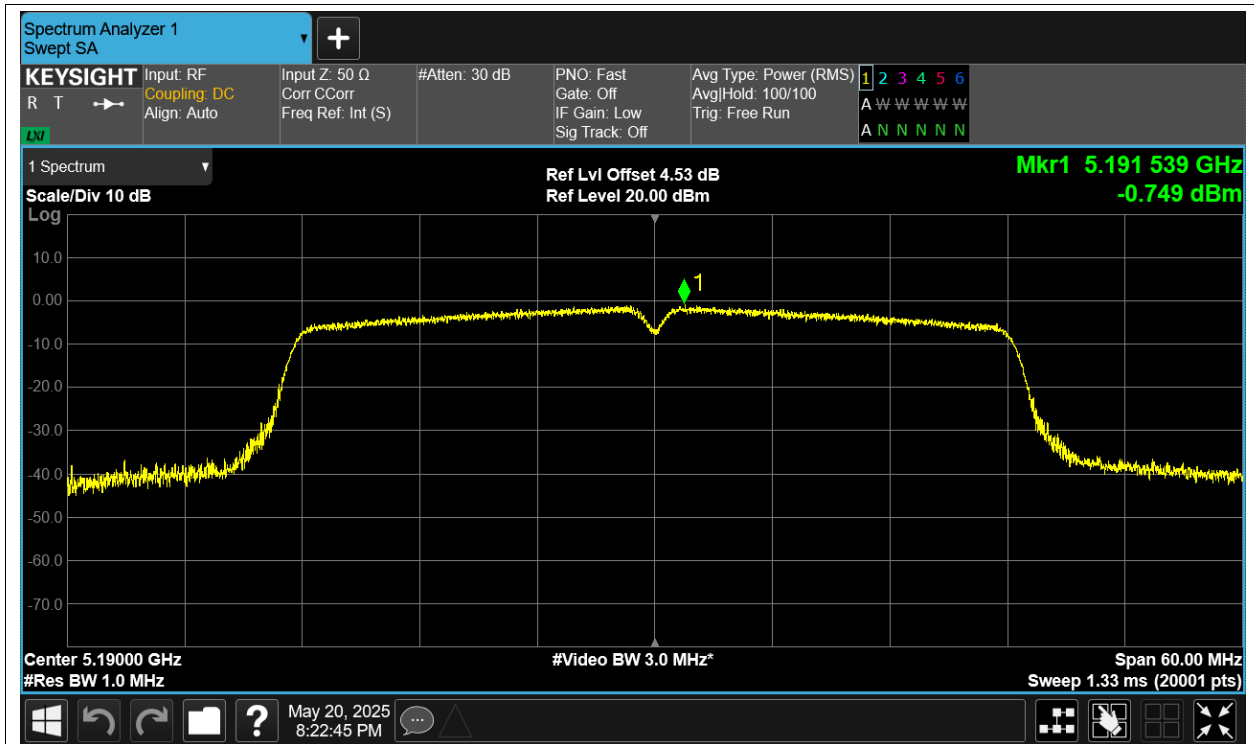
PSD NVNT ac20 5200MHz Ant1



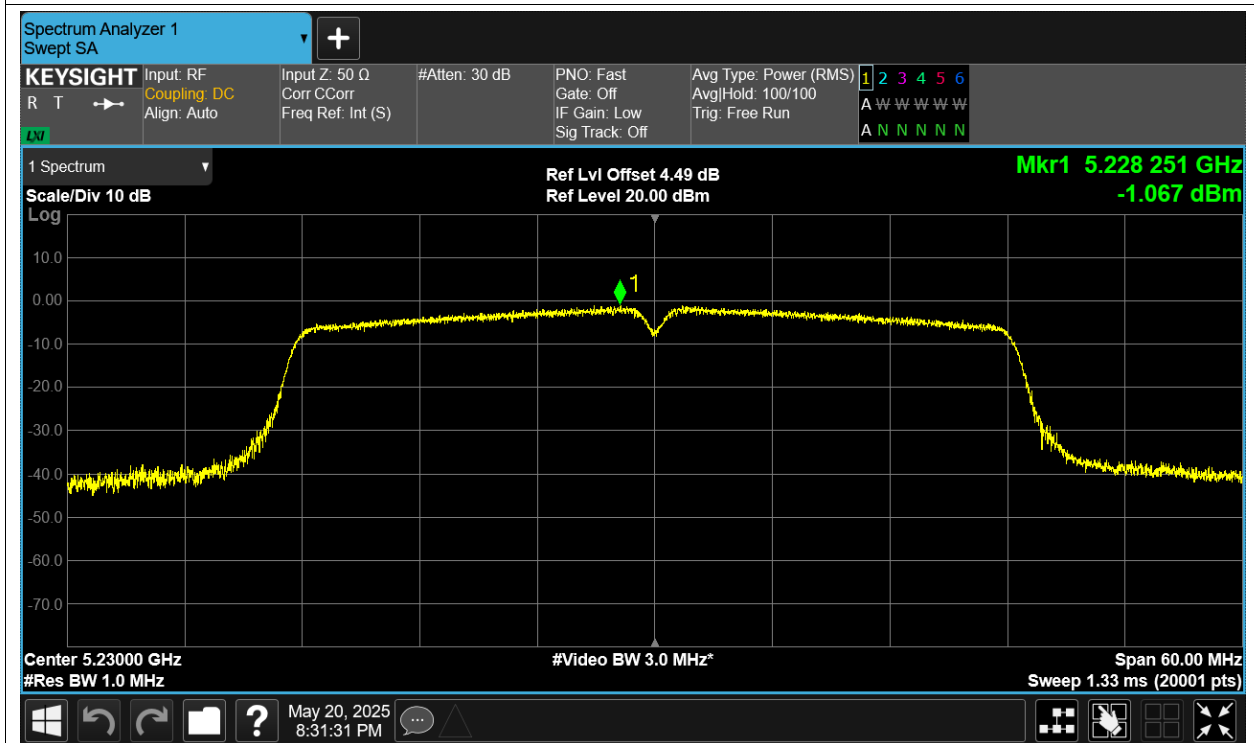
PSD NVNT ac20 5240MHz Ant1



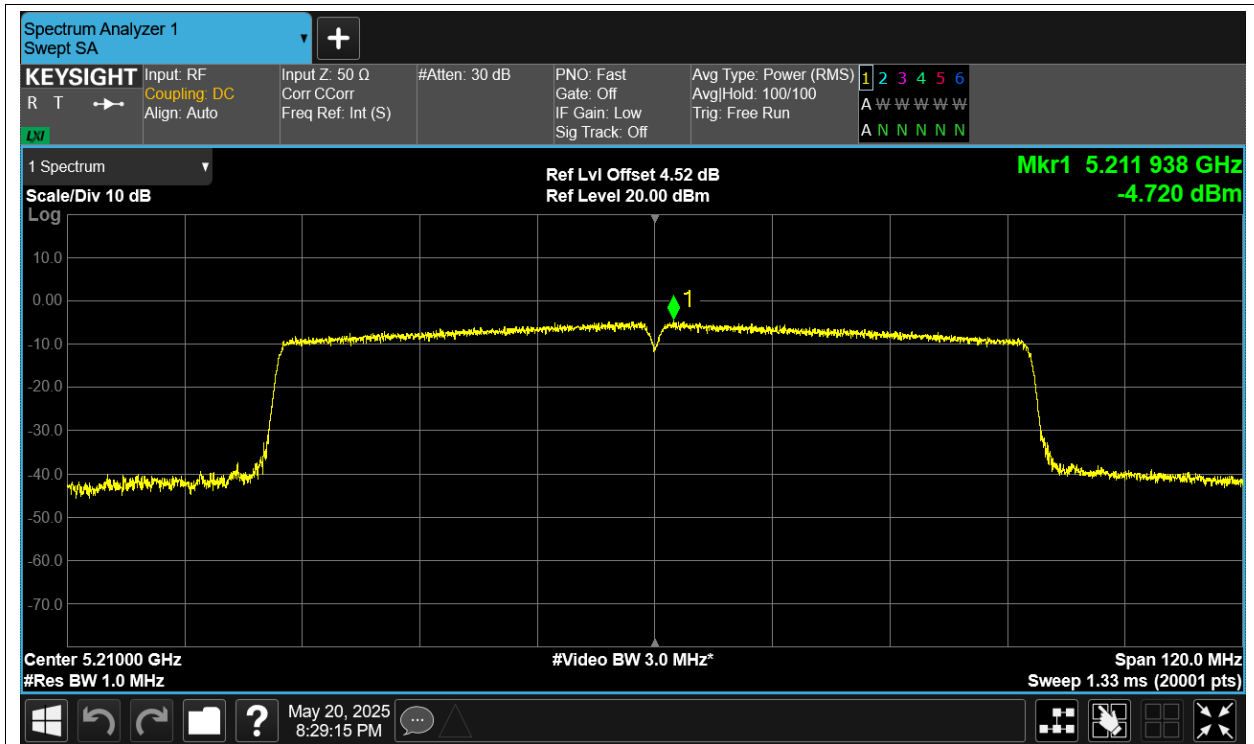
PSD NVNT ac40 5190MHz Ant1



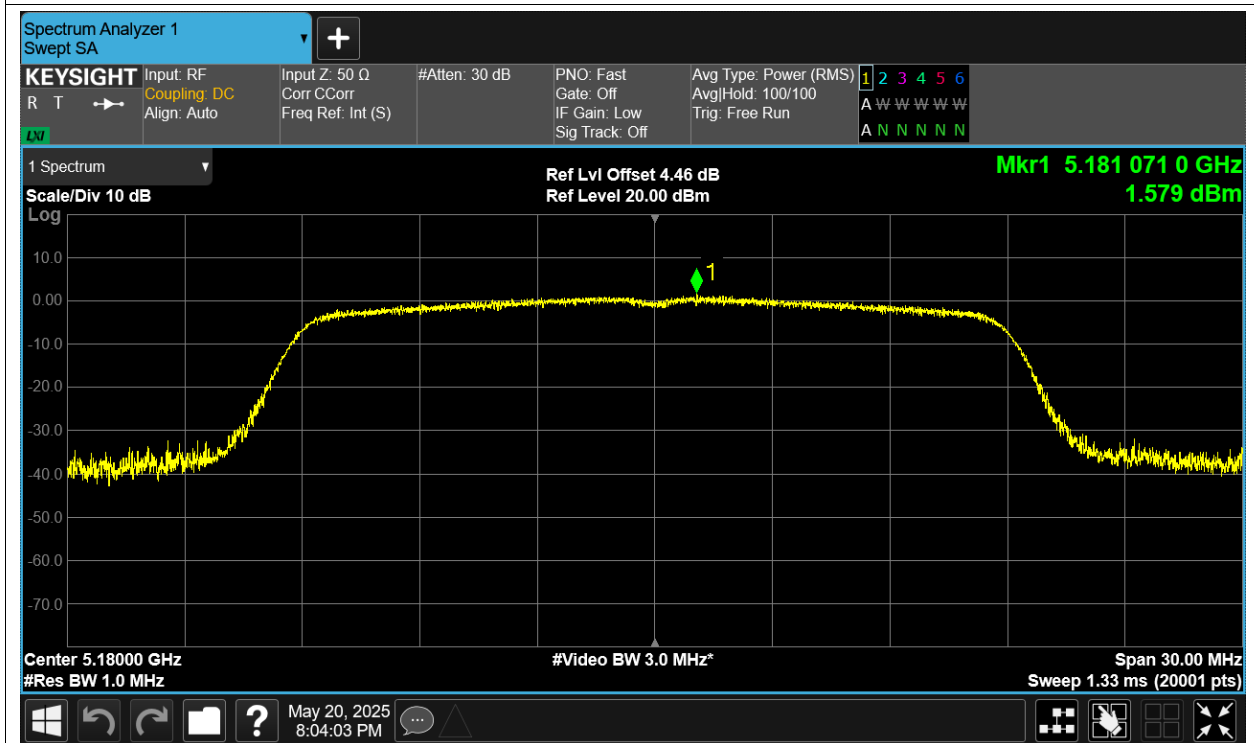
PSD NVNT ac40 5230MHz Ant1



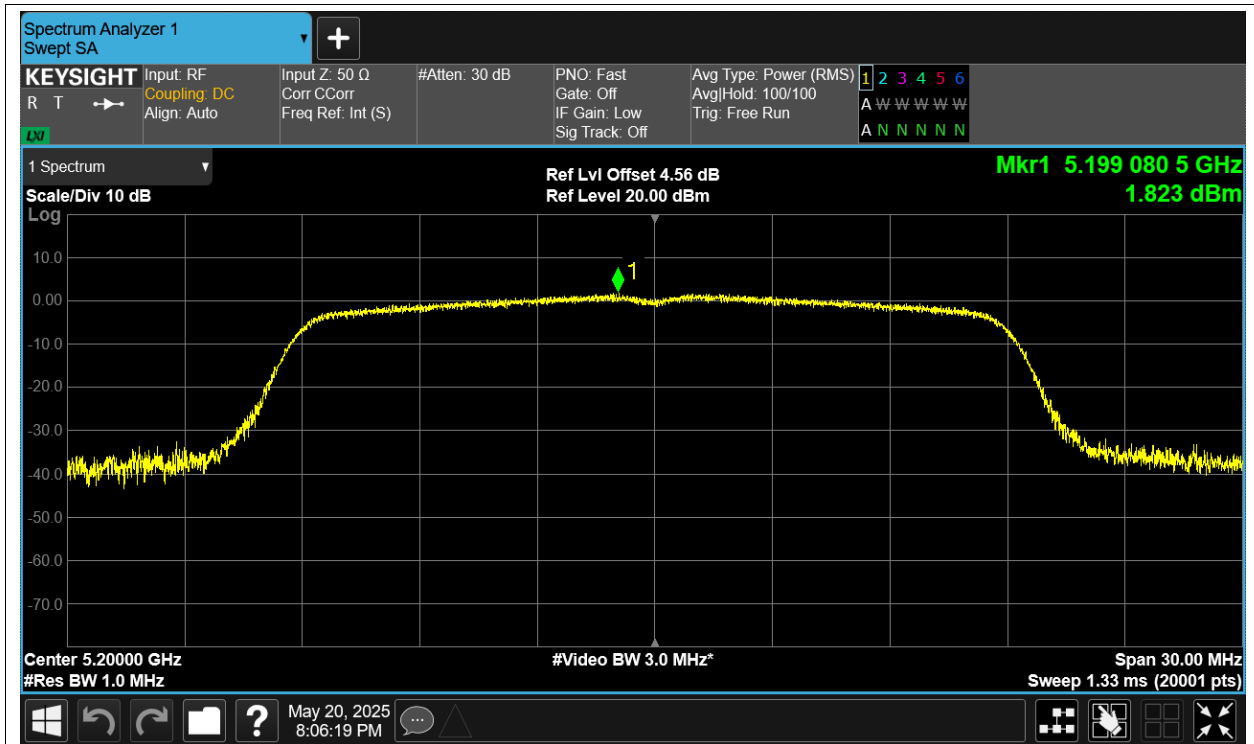
PSD NVNT ac80 5210MHz Ant1



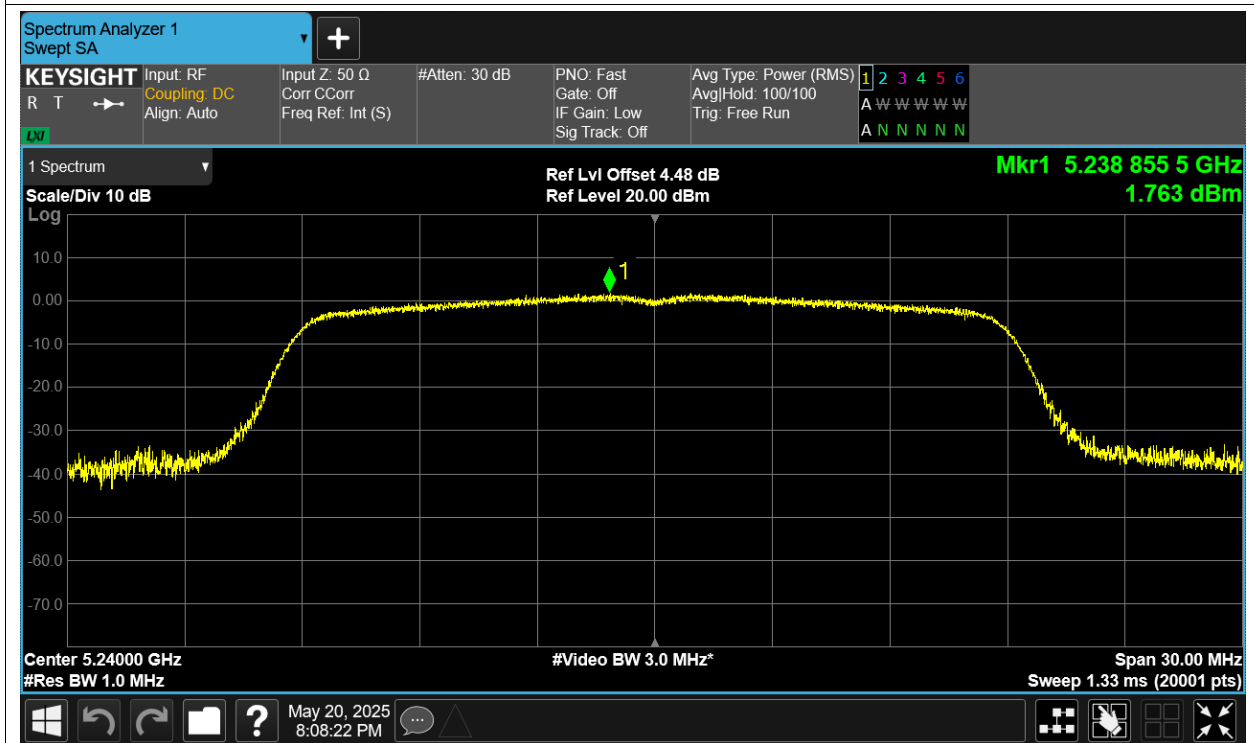
PSD NVNT n20 5180MHz Ant1



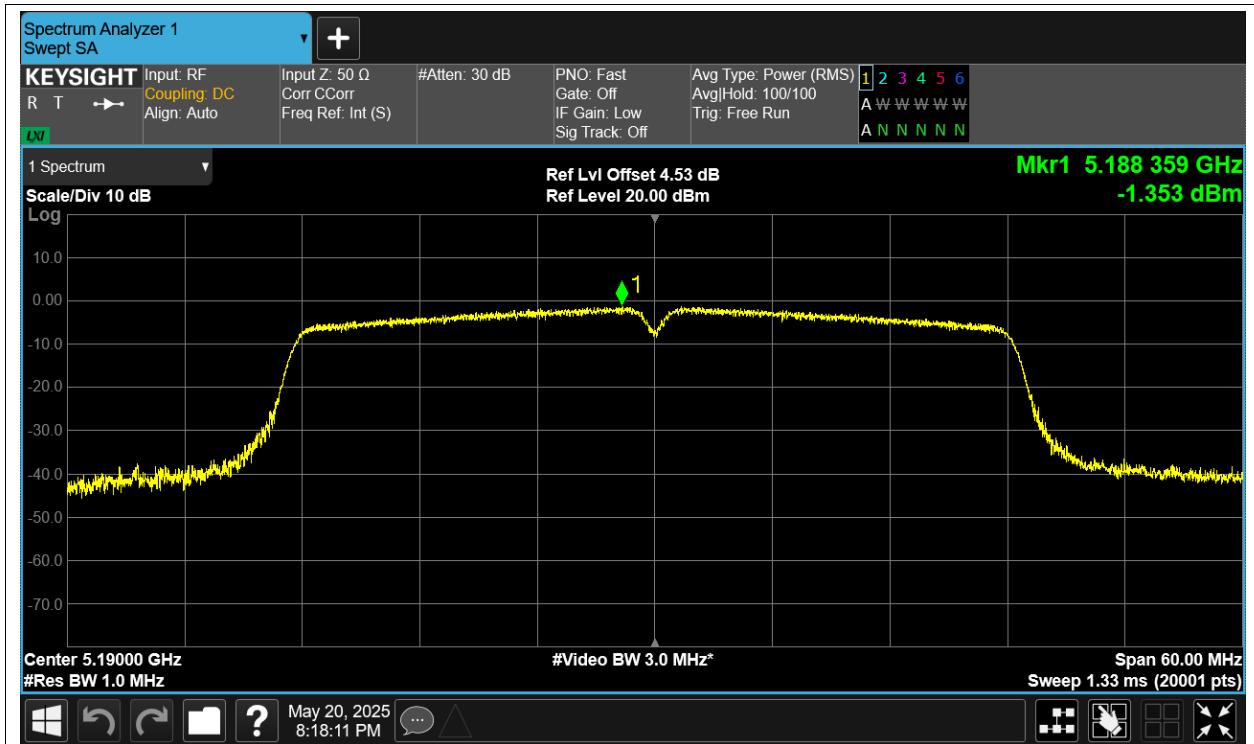
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

