

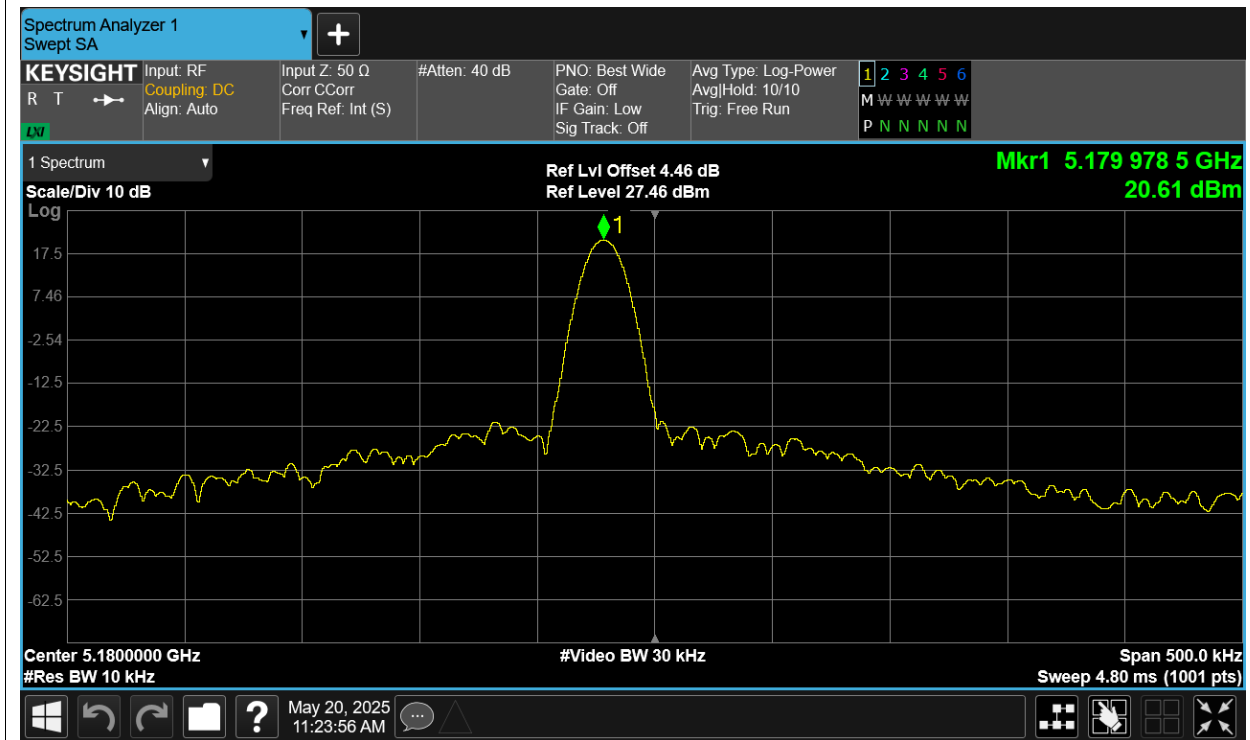
Test Data

Frequency Stability

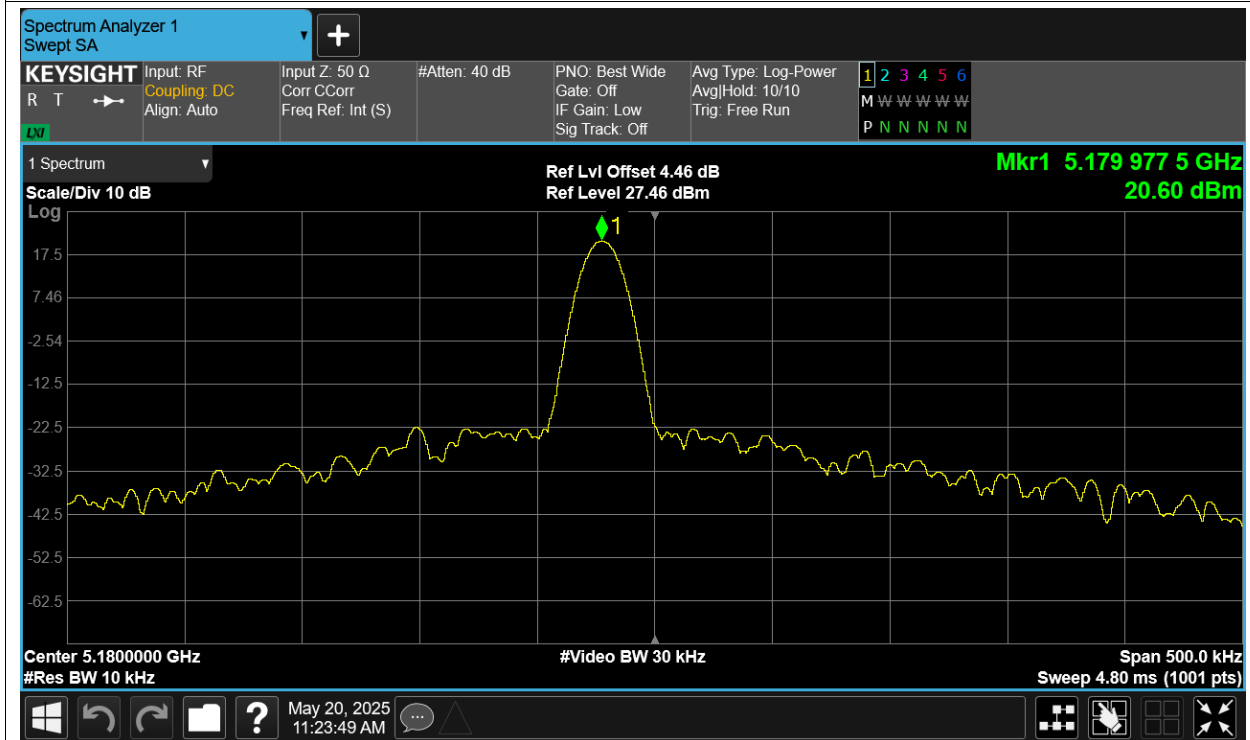
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9785	-4.15	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9775	-4.34		Pass
NVHT	a	5180	Ant1	5179.9765	-4.54		Pass
NVLT	a	5180	Ant1	5179.9755	-4.73		Pass
NVNT	a	5180	Ant1	5179.972	-5.41		Pass
HVNT	ac80	5210	Ant1	5209.982	-3.45		Pass
LVNT	ac80	5210	Ant1	5209.9815	-3.55		Pass
NVHT	ac80	5210	Ant1	5209.9805	-3.74		Pass
NVLT	ac80	5210	Ant1	5209.98	-3.84		Pass
NVNT	ac80	5210	Ant1	5209.978315055	-4.16		Pass
HVNT	n40	5190	Ant1	5189.9805	-3.76		Pass
LVNT	n40	5190	Ant1	5189.98	-3.85		Pass
NVHT	n40	5190	Ant1	5189.9795	-3.95		Pass
NVLT	n40	5190	Ant1	5189.9785	-4.14		Pass
NVNT	n40	5190	Ant1	5189.9775	-4.34		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

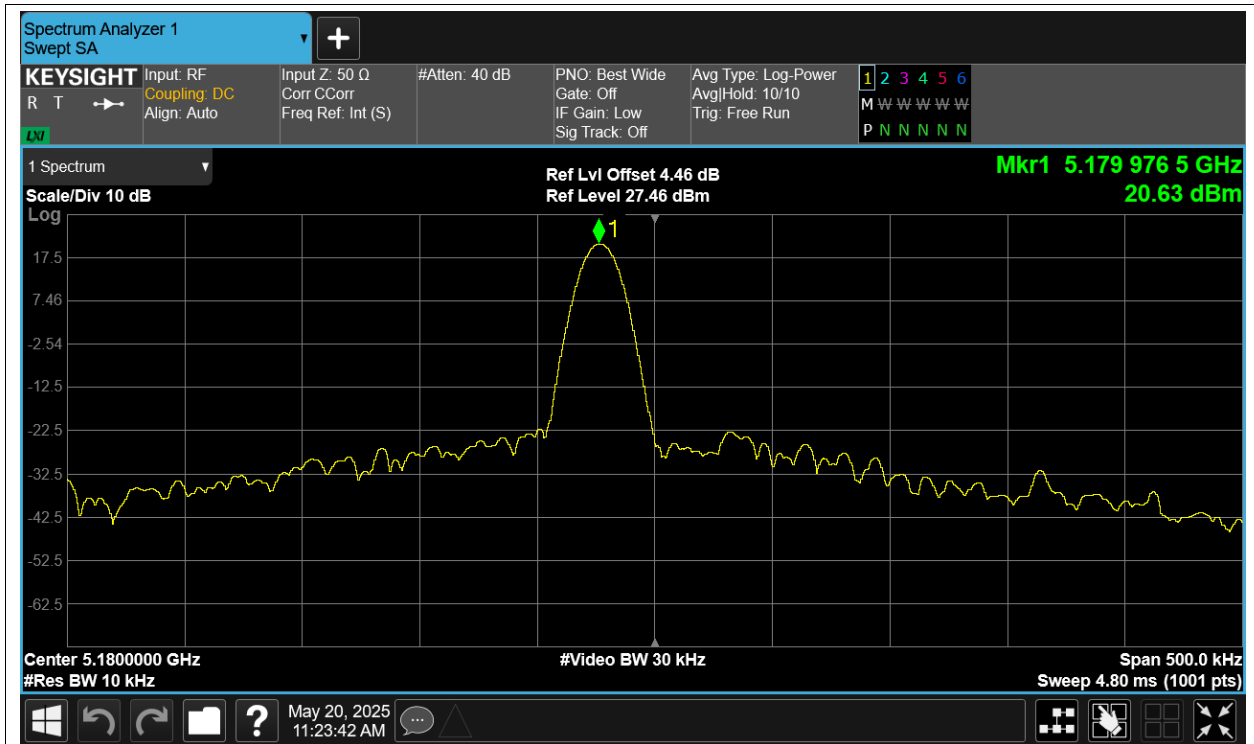
Freq. Stability HVNT a 5180MHz Ant1



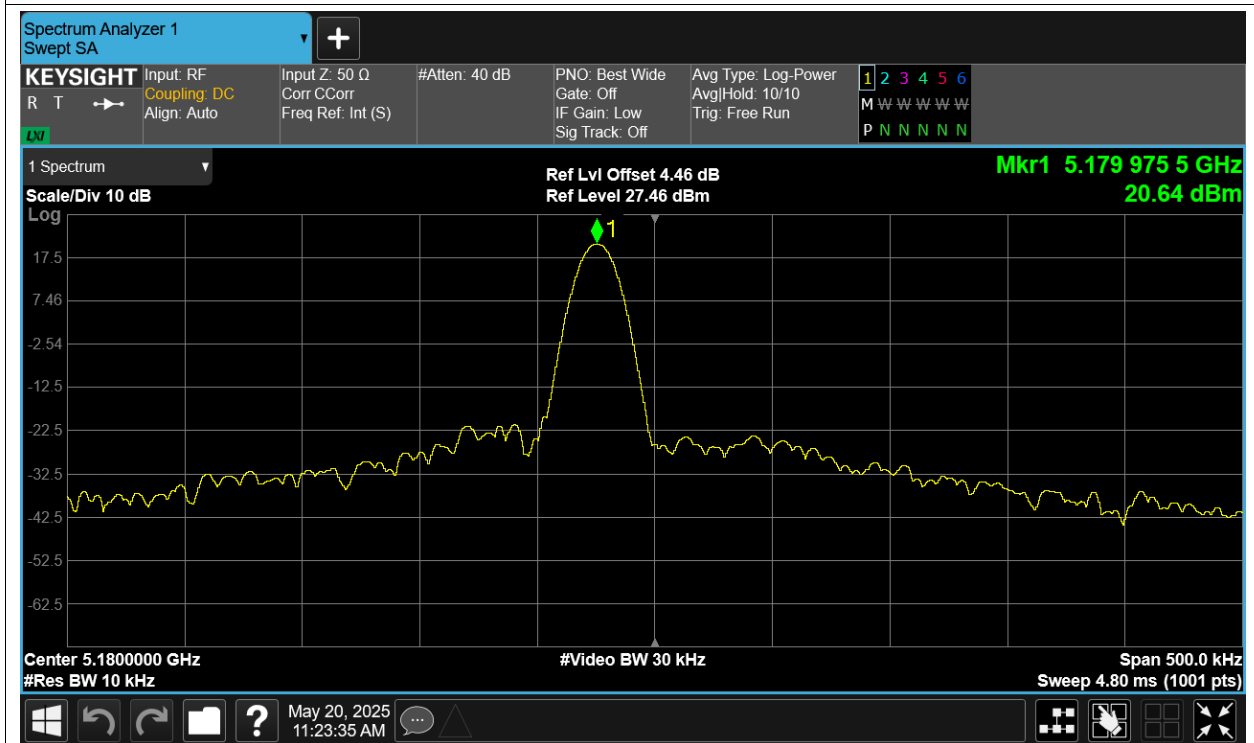
Freq. Stability LVNT a 5180MHz Ant1



Freq. Stability NVHT a 5180MHz Ant1



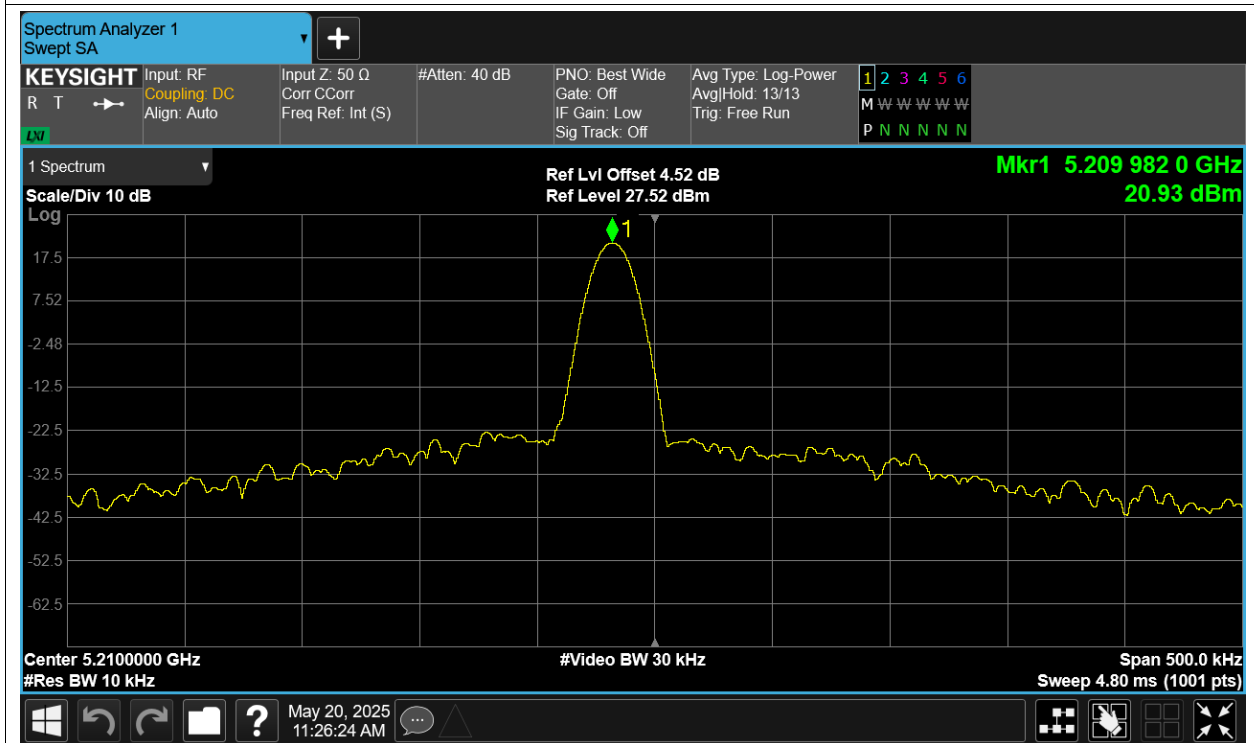
Freq. Stability NVLT a 5180MHz Ant1



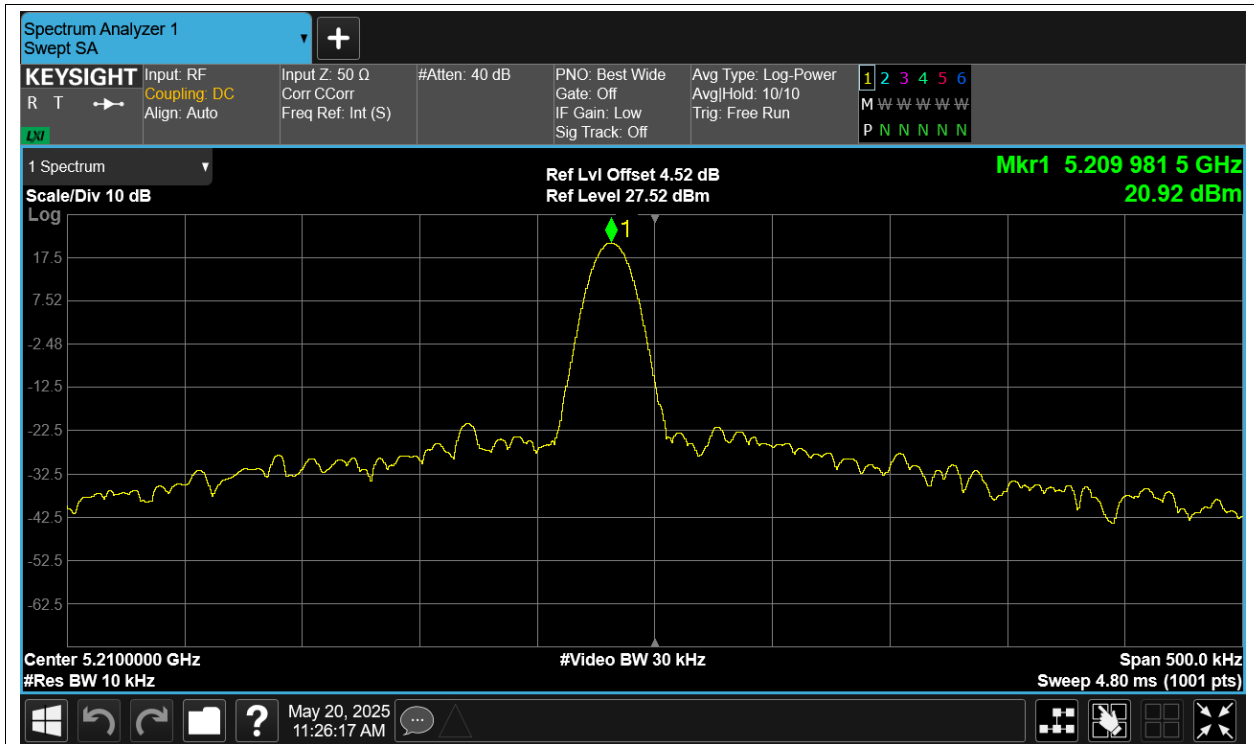
Freq. Stability NVNT a 5180MHz Ant1



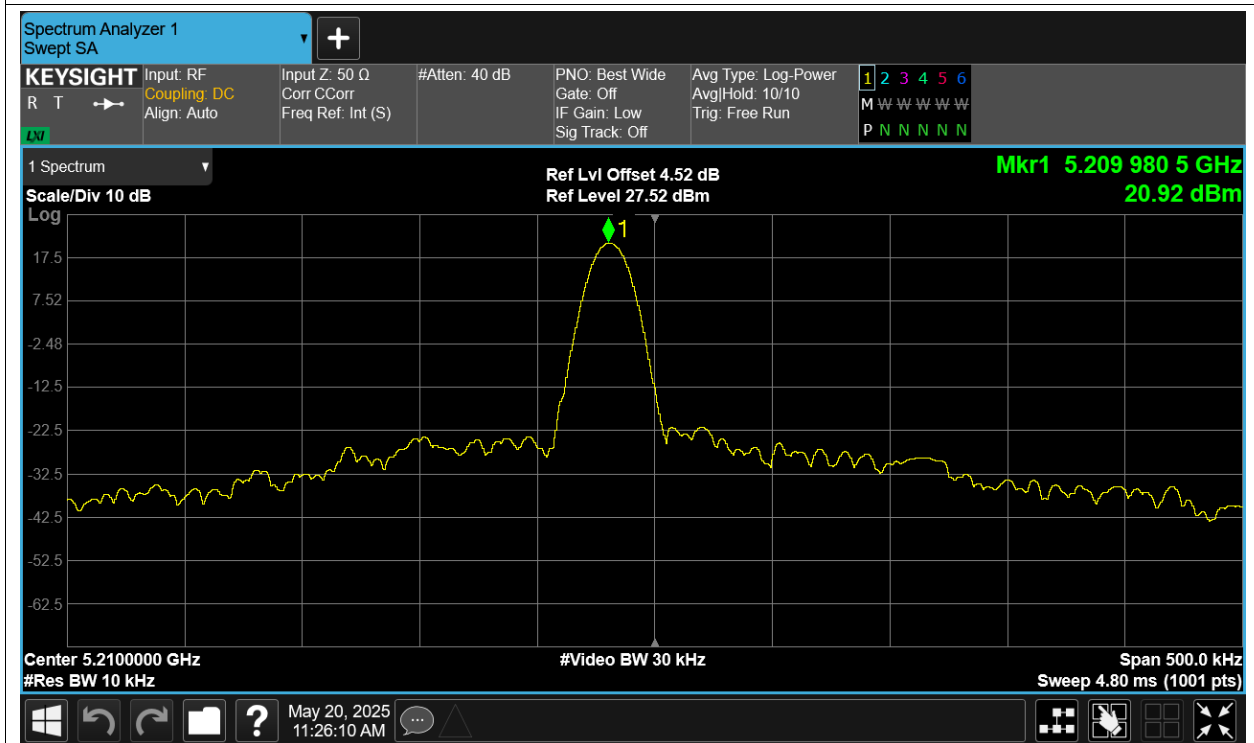
Freq. Stability HVNT ac80 5210MHz Ant1



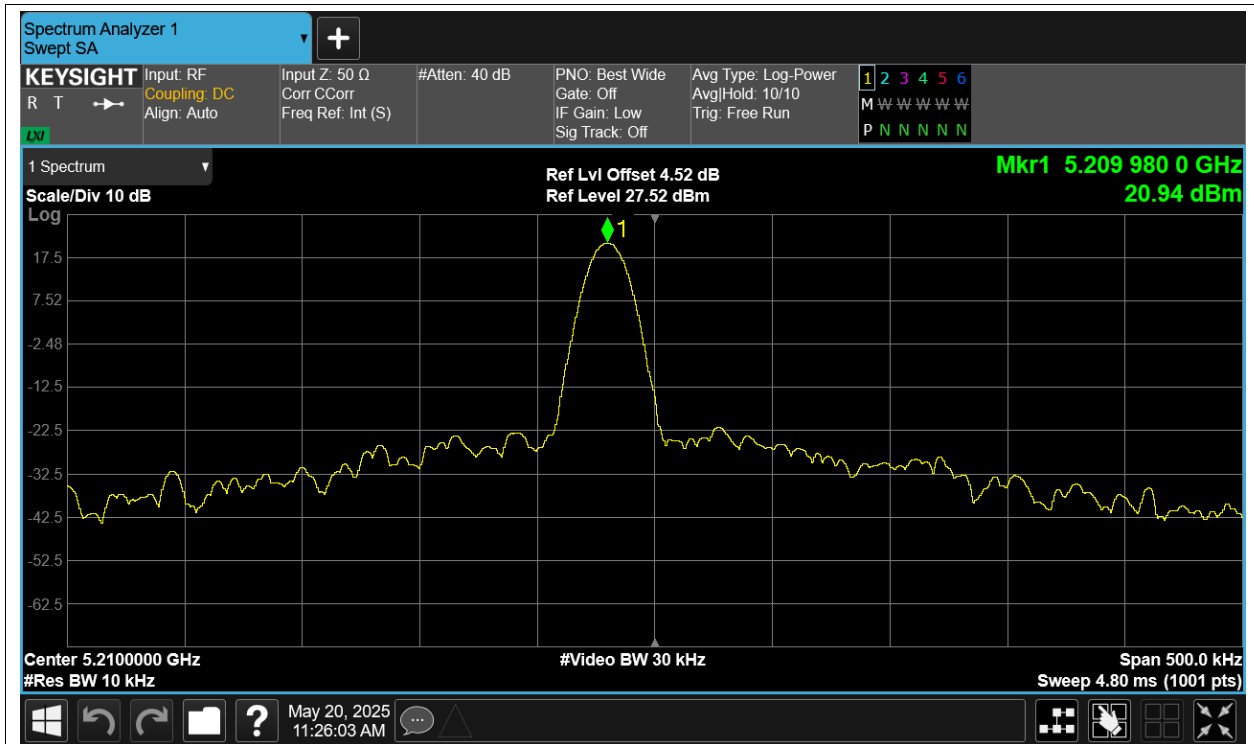
Freq. Stability LVNT ac80 5210MHz Ant1



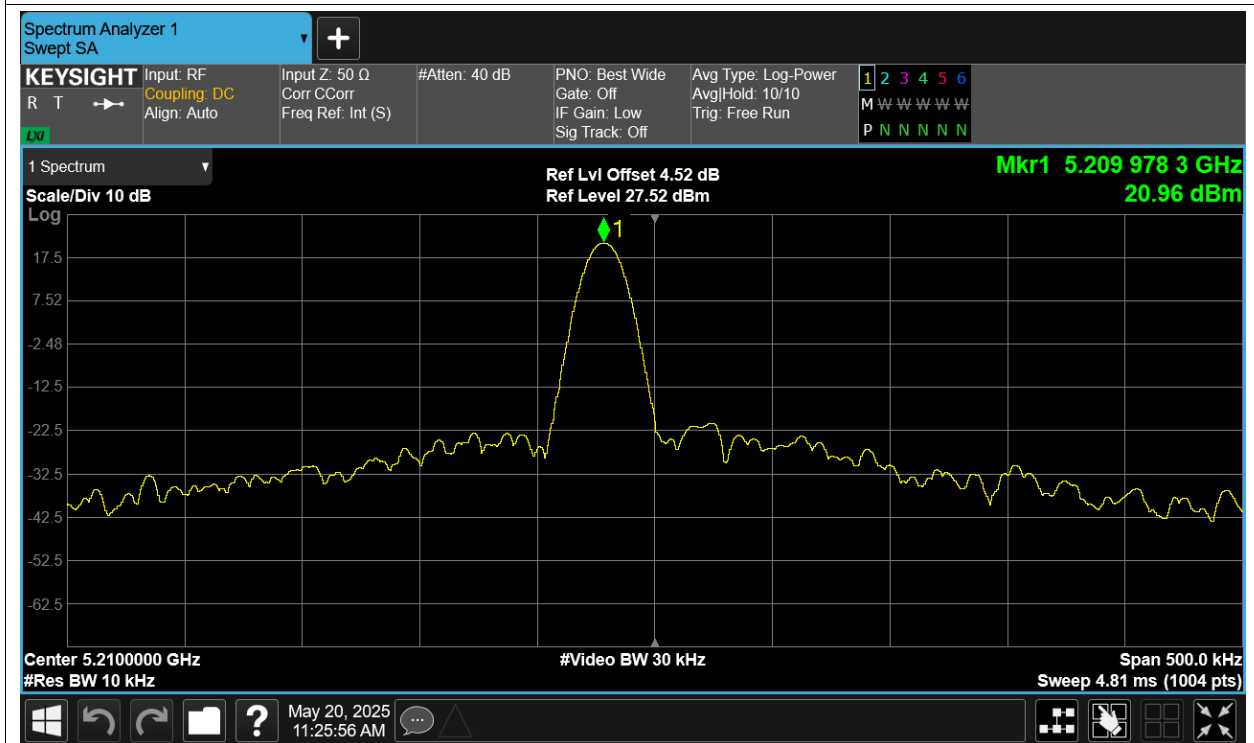
Freq. Stability NVHT ac80 5210MHz Ant1



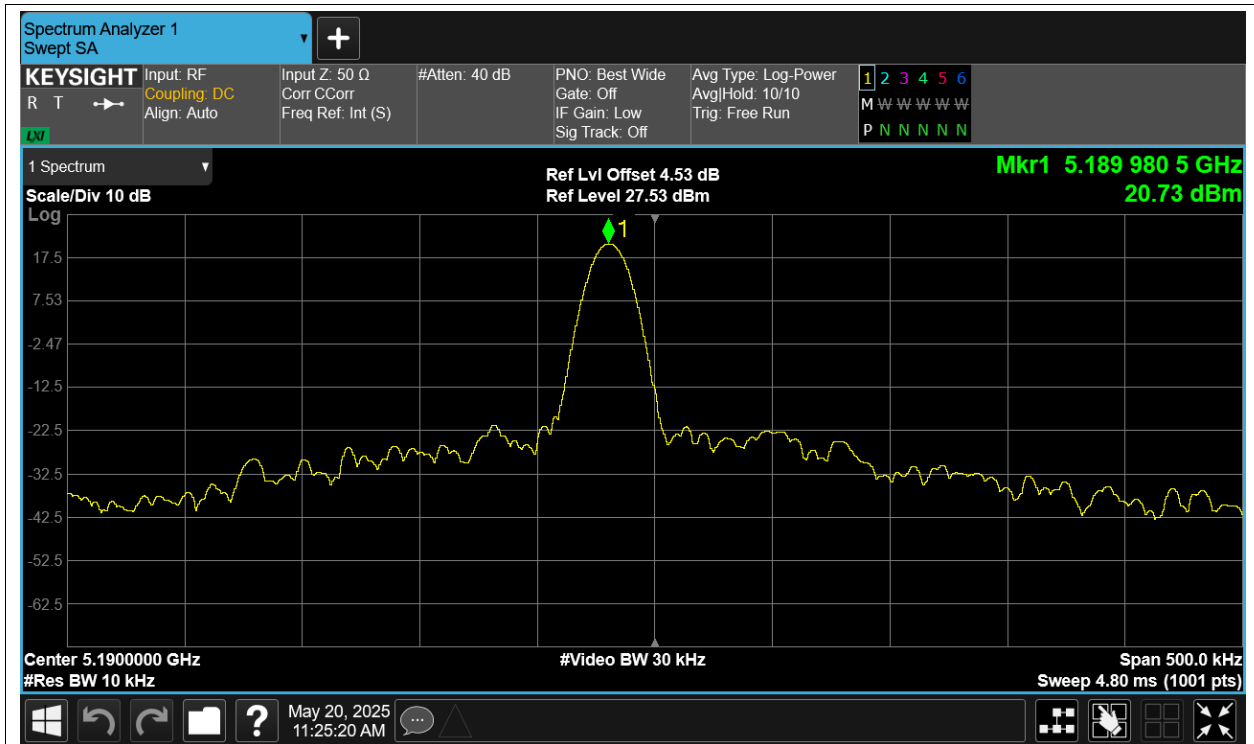
Freq. Stability NVLT ac80 5210MHz Ant1



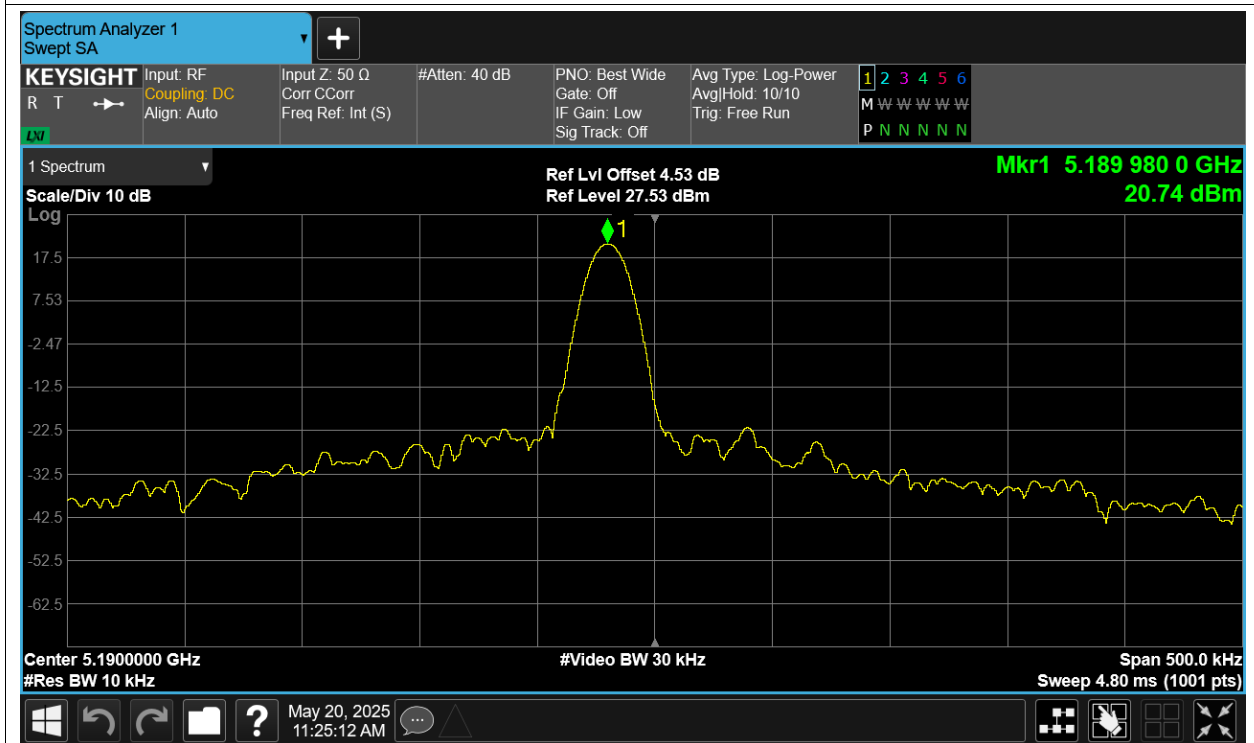
Freq. Stability NVNT ac80 5210MHz Ant1



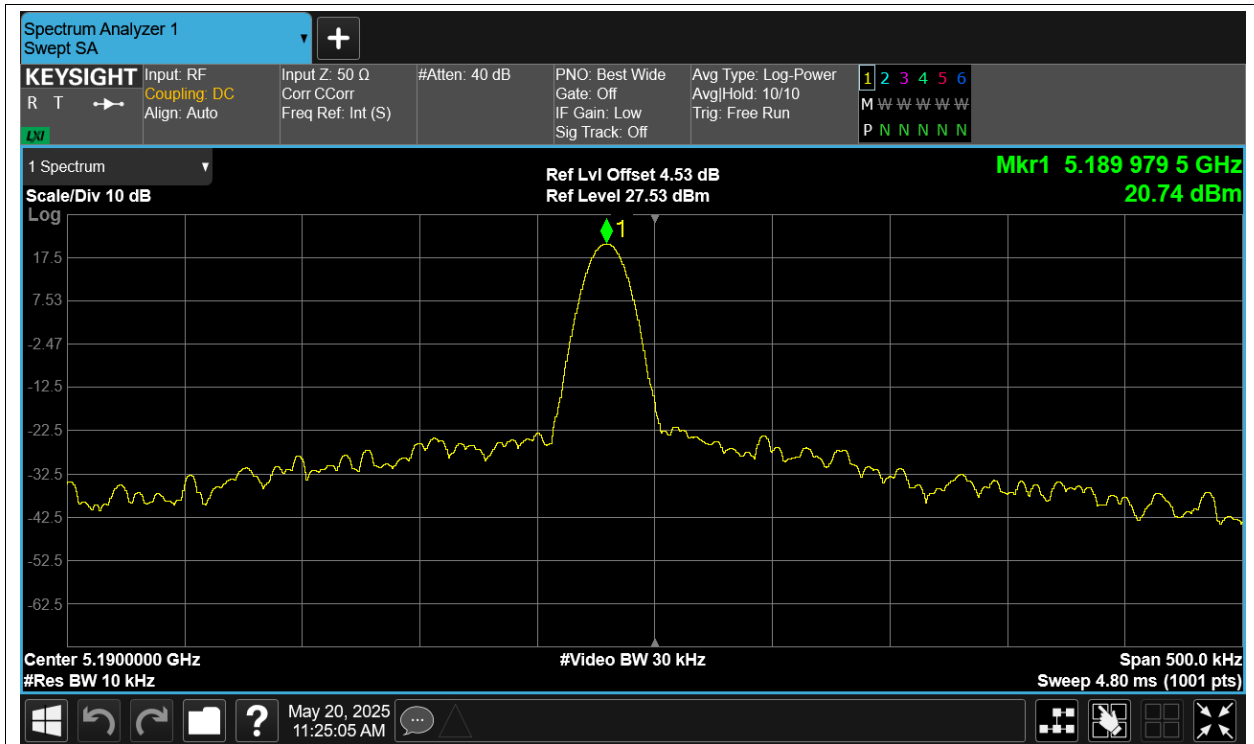
Freq. Stability HVNT n40 5190MHz Ant1



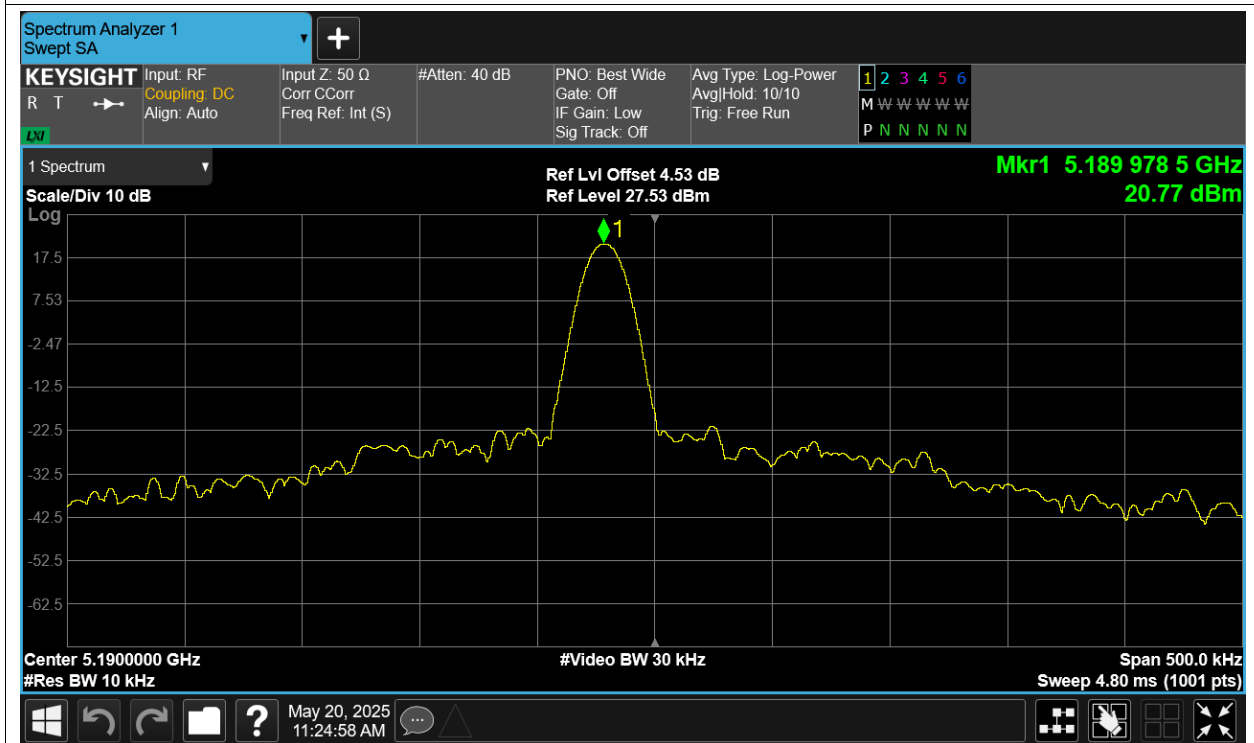
Freq. Stability LVNT n40 5190MHz Ant1



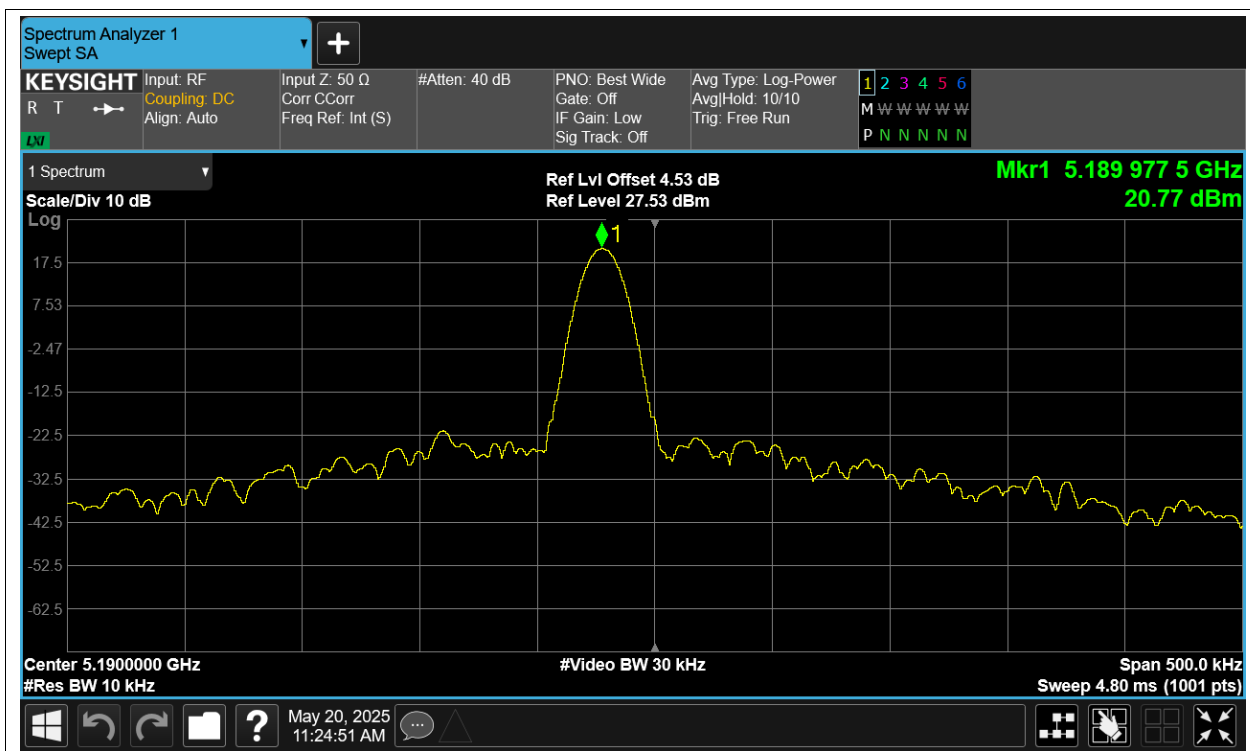
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1

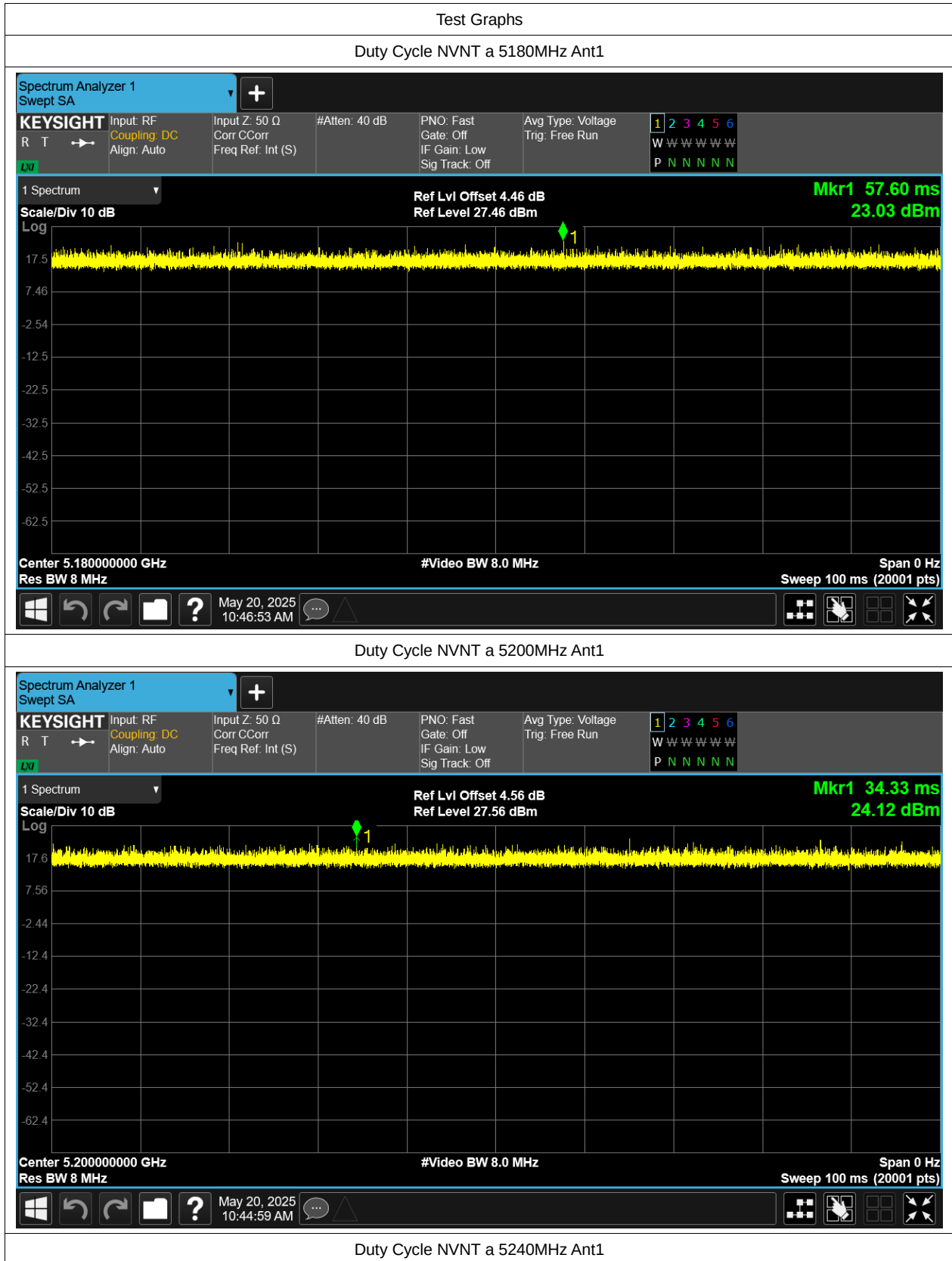


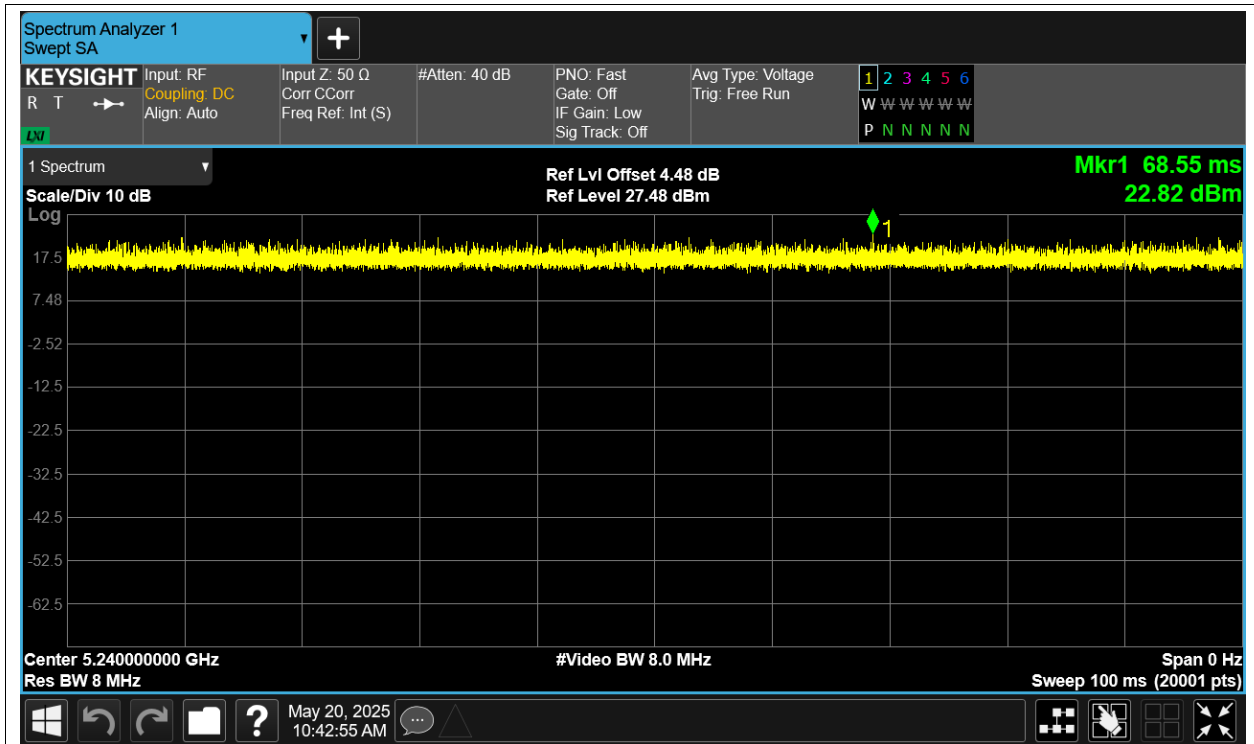
Freq. Stability NVNT n40 5190MHz Ant1



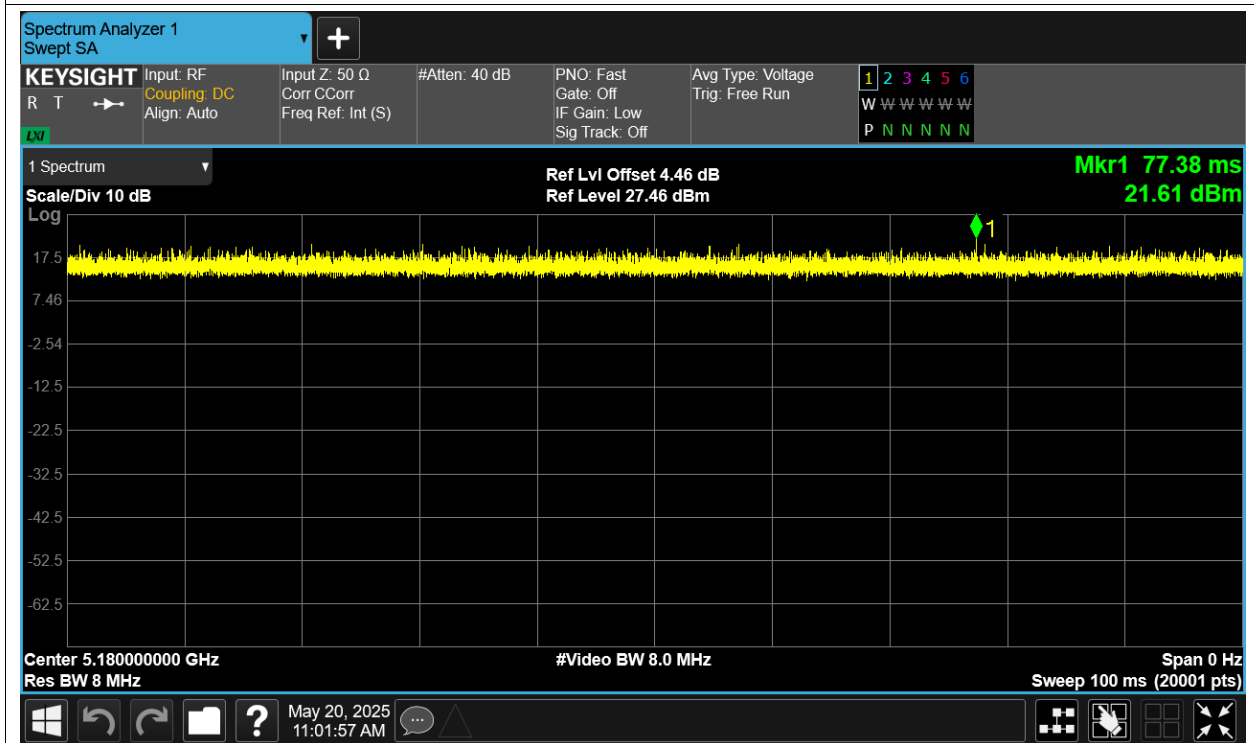
Duty Cycle

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

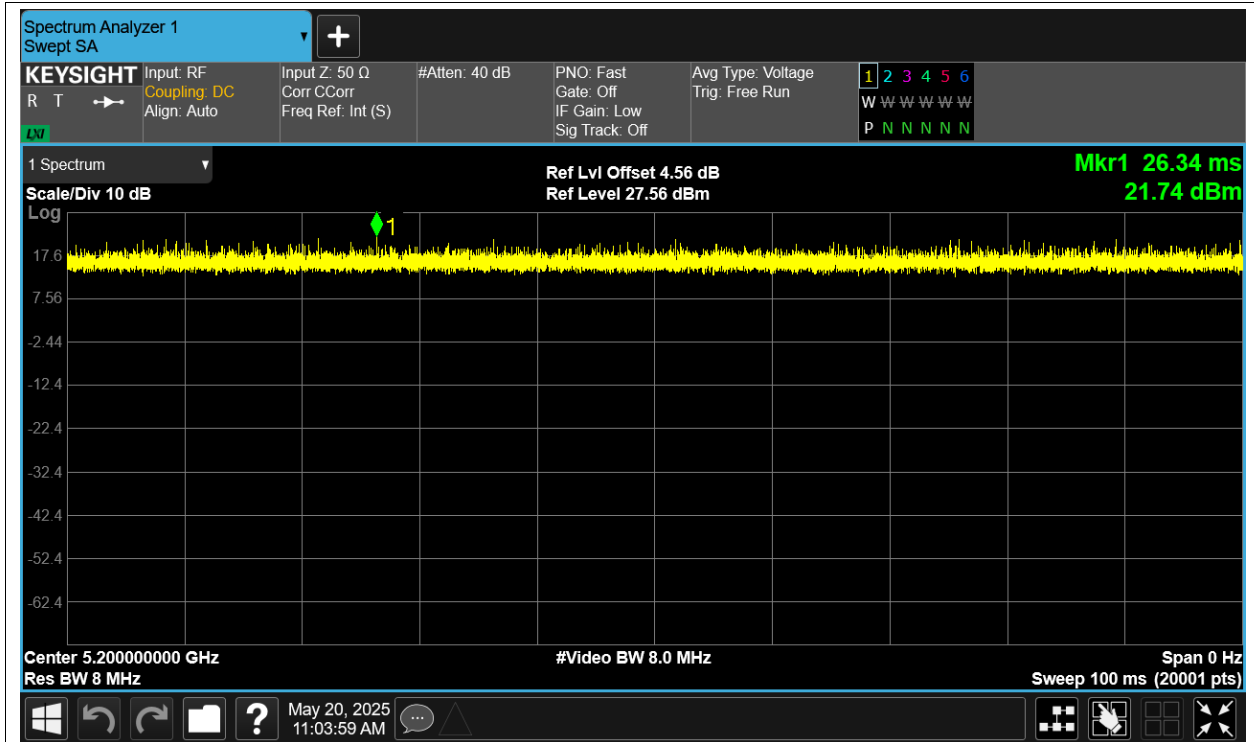




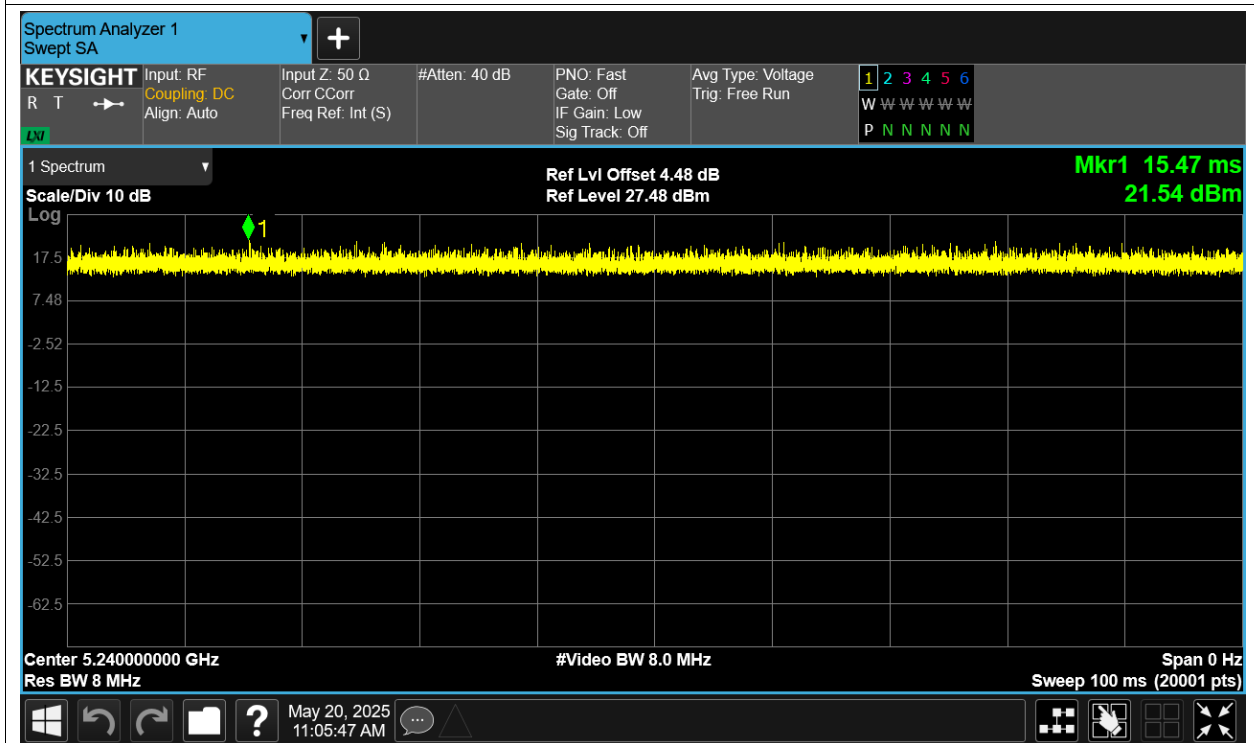
Duty Cycle NVNT ac20 5180MHz Ant1



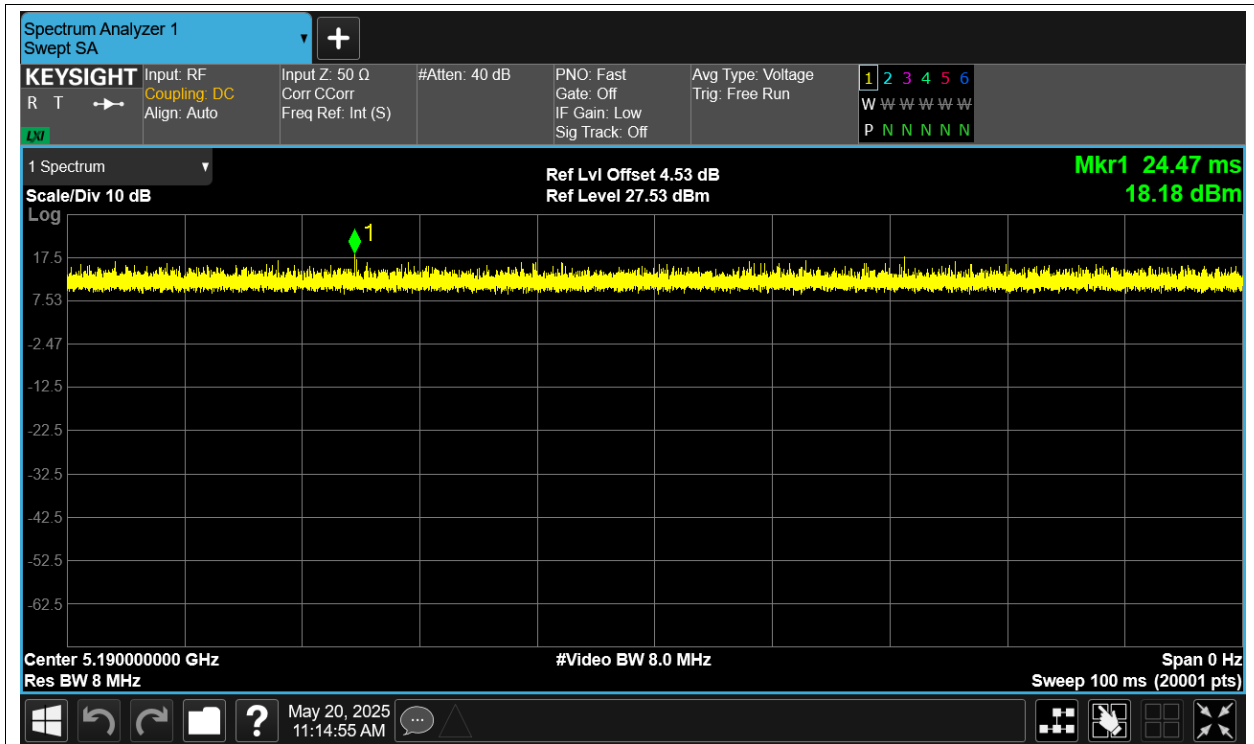
Duty Cycle NVNT ac20 5200MHz Ant1



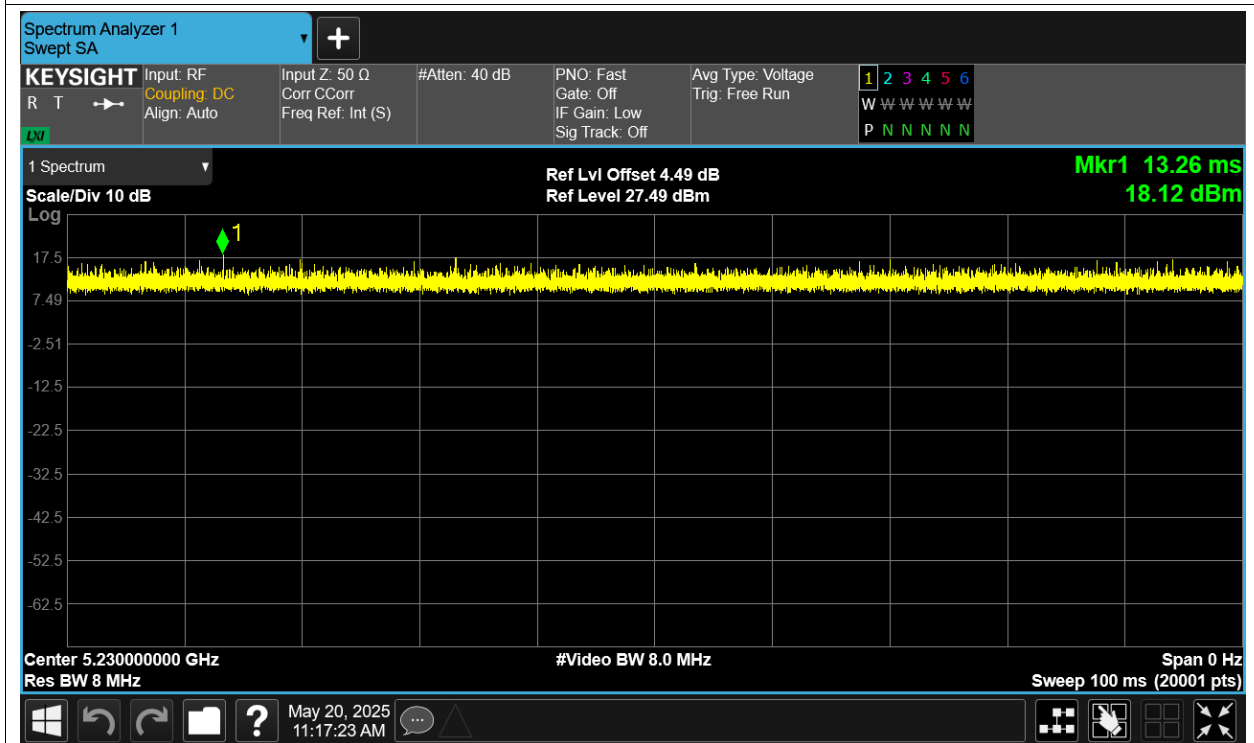
Duty Cycle NVNT ac20 5240MHz Ant1



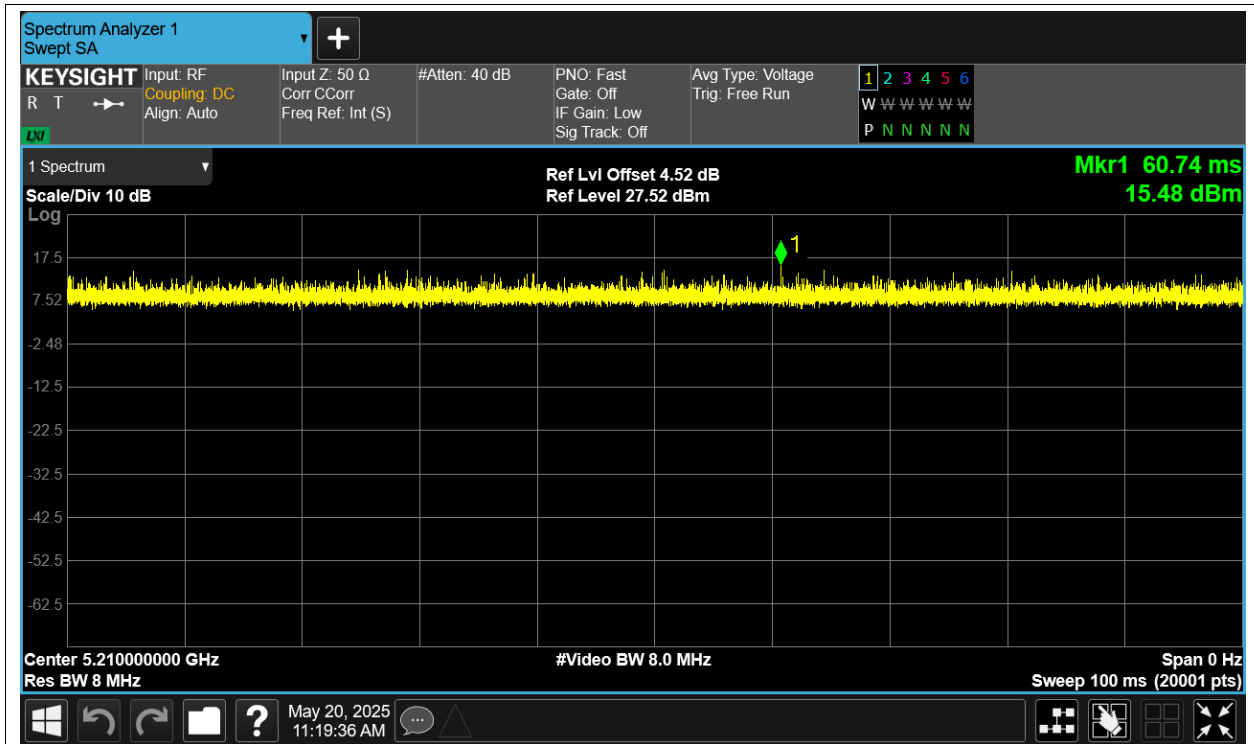
Duty Cycle NVNT ac40 5190MHz Ant1



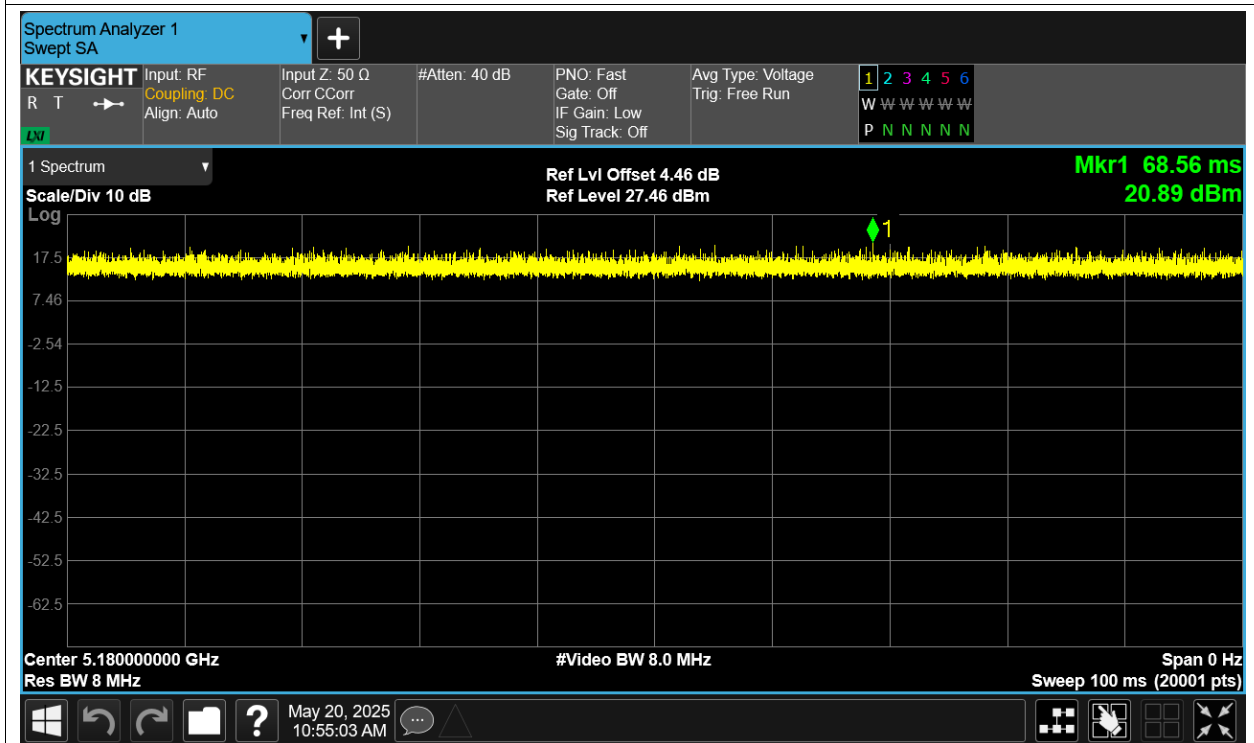
Duty Cycle NVNT ac40 5230MHz Ant1



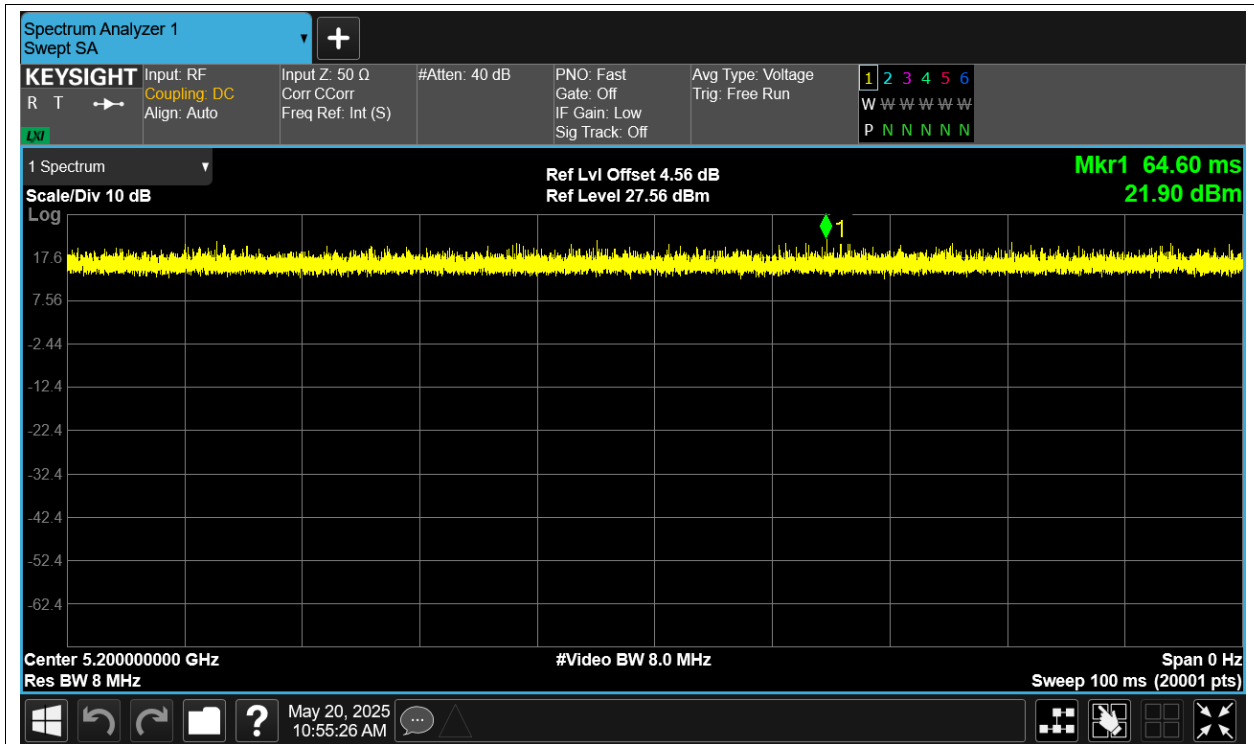
Duty Cycle NVNT ac80 5210MHz Ant1



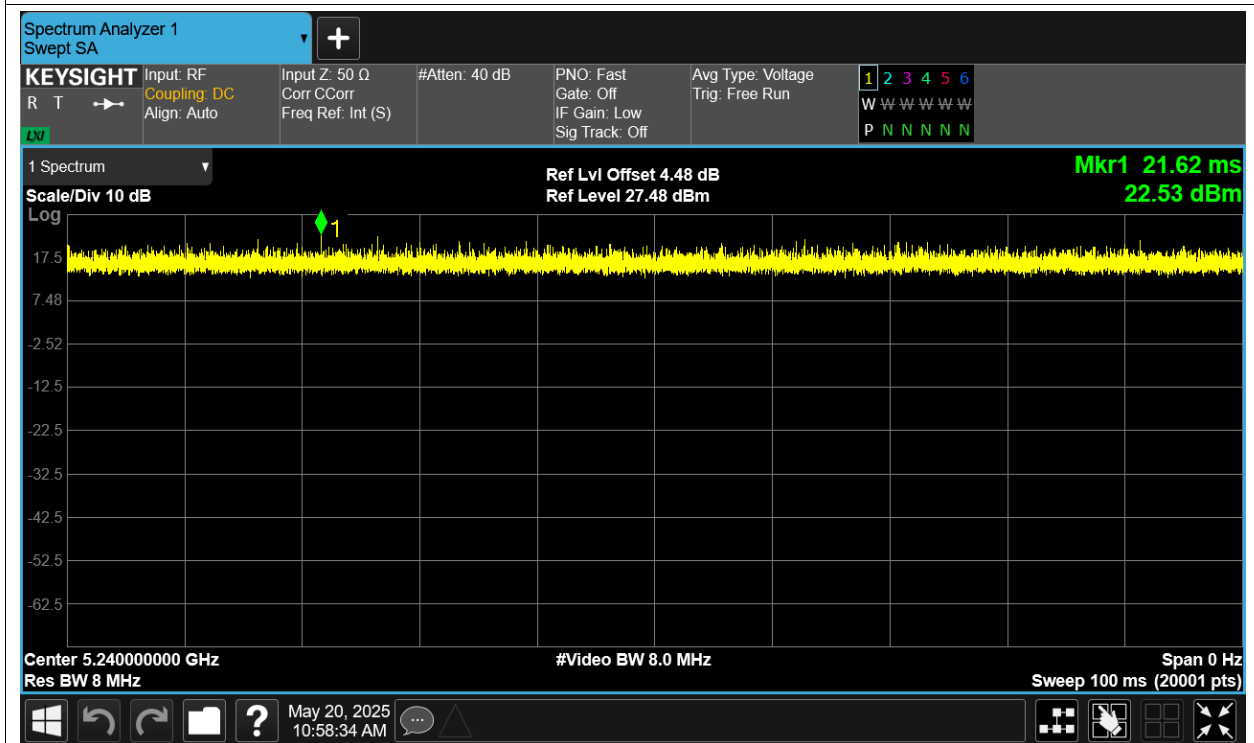
Duty Cycle NVNT n20 5180MHz Ant1



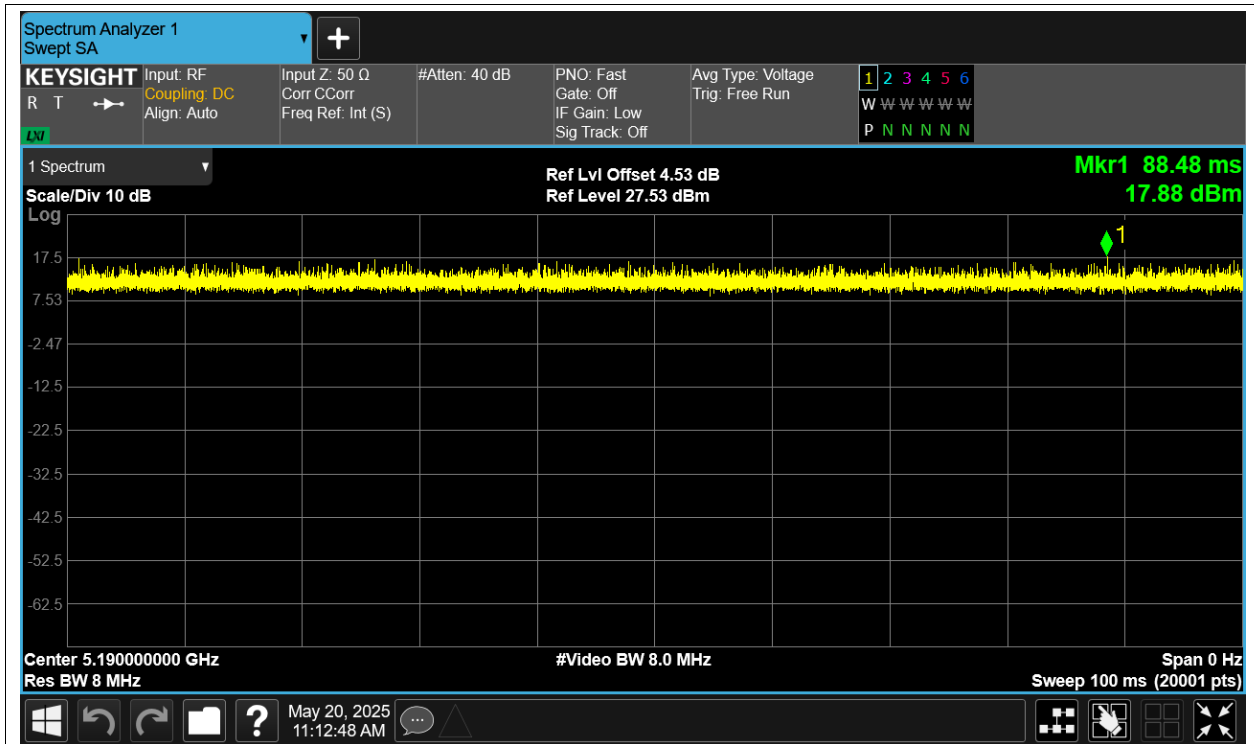
Duty Cycle NVNT n20 5200MHz Ant1



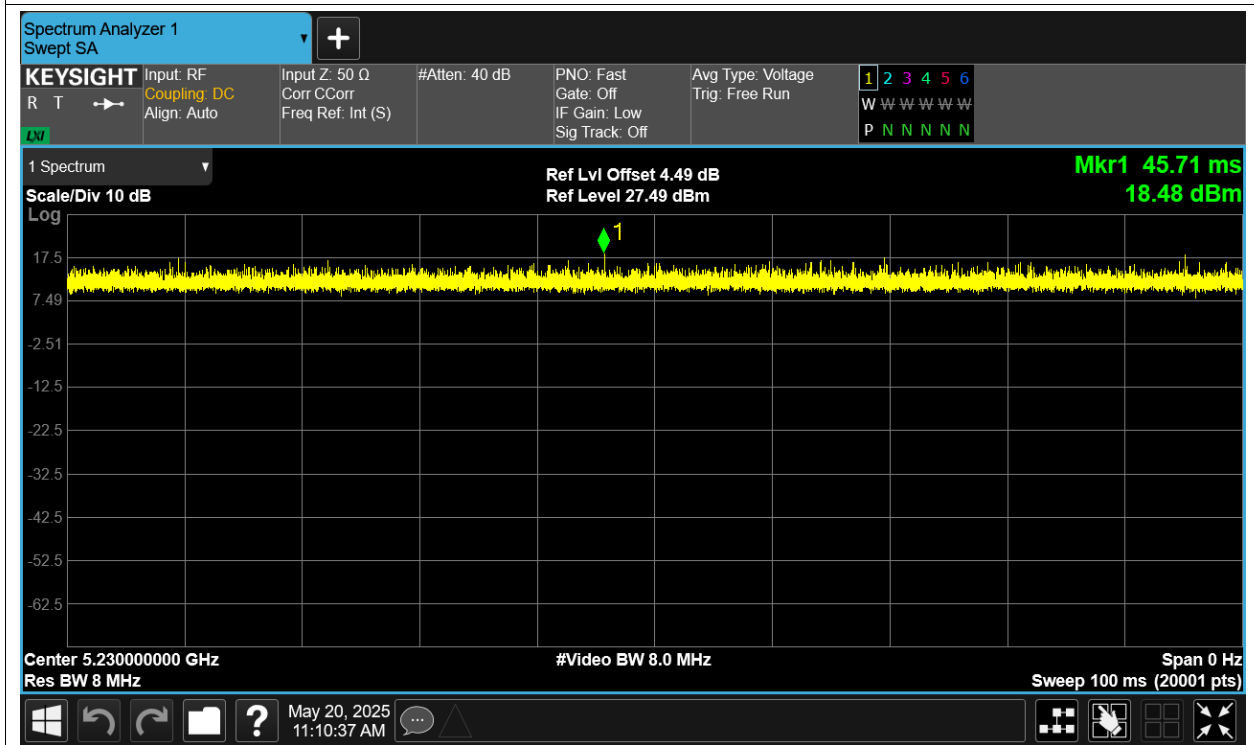
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

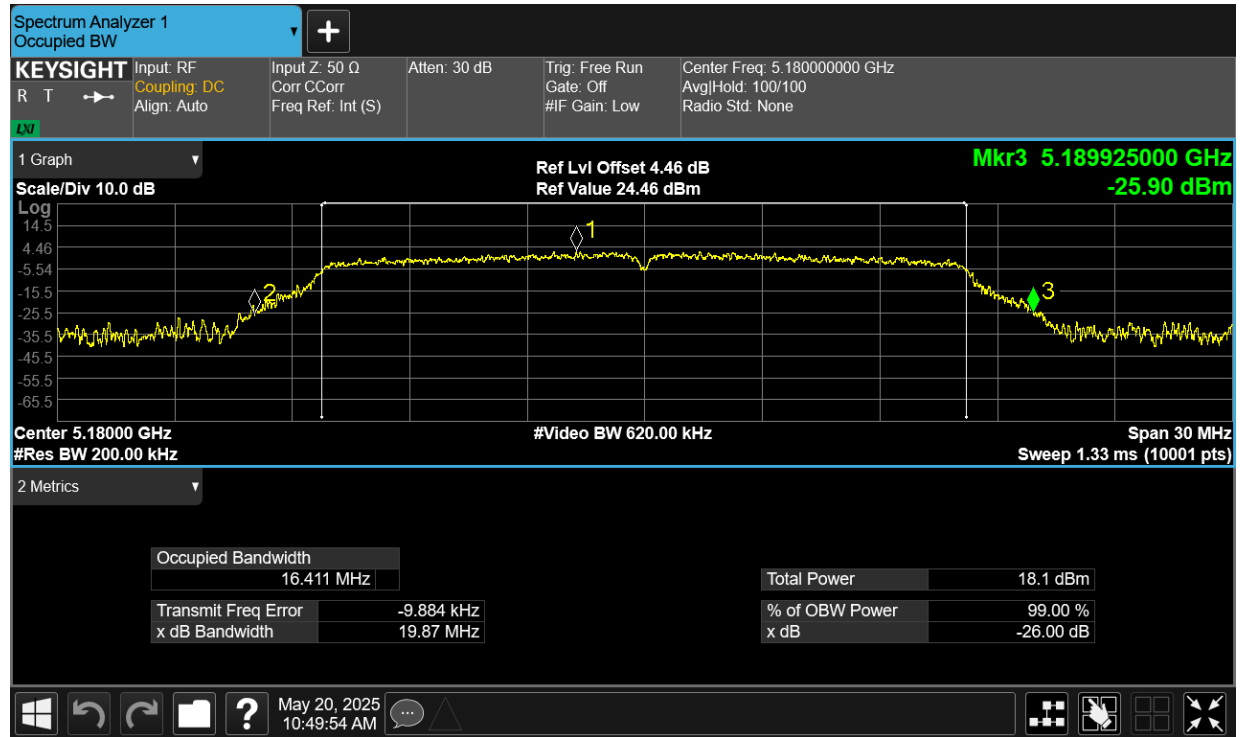
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.5	0	12.5	24	Pass
NVNT	a	5200	Ant1	13.21	0	13.21	24	Pass
NVNT	a	5240	Ant1	12.92	0	12.92	24	Pass
NVNT	ac20	5180	Ant1	11.41	0	11.41	24	Pass
NVNT	ac20	5200	Ant1	12.21	0	12.21	24	Pass
NVNT	ac20	5240	Ant1	12.11	0	12.11	24	Pass
NVNT	ac40	5190	Ant1	10.66	0	10.66	23	Pass
NVNT	ac40	5230	Ant1	10.81	0	10.81	24	Pass
NVNT	ac80	5210	Ant1	10.69	0	10.69	24	Pass
NVNT	n20	5180	Ant1	11.44	0	11.44	24	Pass
NVNT	n20	5200	Ant1	12.11	0	12.11	24	Pass
NVNT	n20	5240	Ant1	12.18	0	12.18	24	Pass
NVNT	n40	5190	Ant1	10.68	0	10.68	24	Pass
NVNT	n40	5230	Ant1	10.87	0	10.87	24	Pass

-26dB Bandwidth

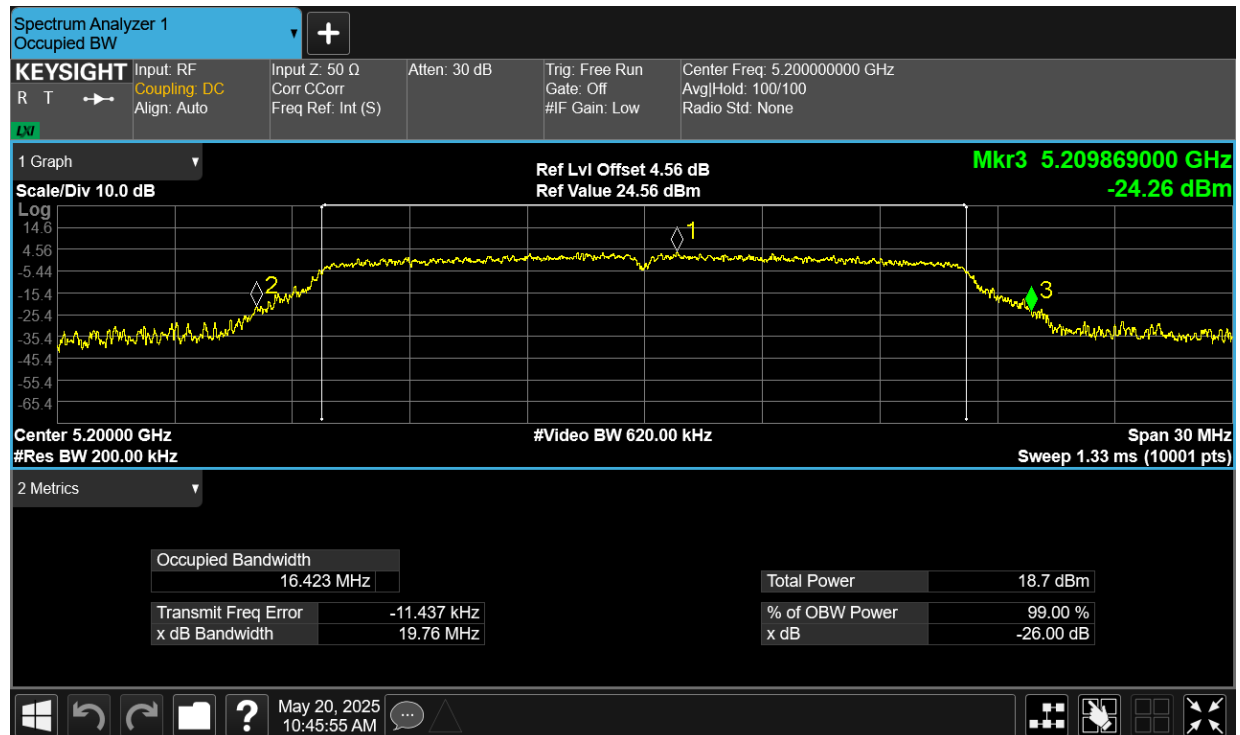
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	19.869
NVNT	a	5200	Ant1	19.76
NVNT	a	5240	Ant1	19.651
NVNT	ac20	5180	Ant1	20.081
NVNT	ac20	5200	Ant1	20.086
NVNT	ac20	5240	Ant1	20.125
NVNT	ac40	5190	Ant1	40.997
NVNT	ac40	5230	Ant1	40.413
NVNT	ac80	5210	Ant1	92.846
NVNT	n20	5180	Ant1	20.067
NVNT	n20	5200	Ant1	20
NVNT	n20	5240	Ant1	20.153
NVNT	n40	5190	Ant1	40.23
NVNT	n40	5230	Ant1	40.095

Test Graphs

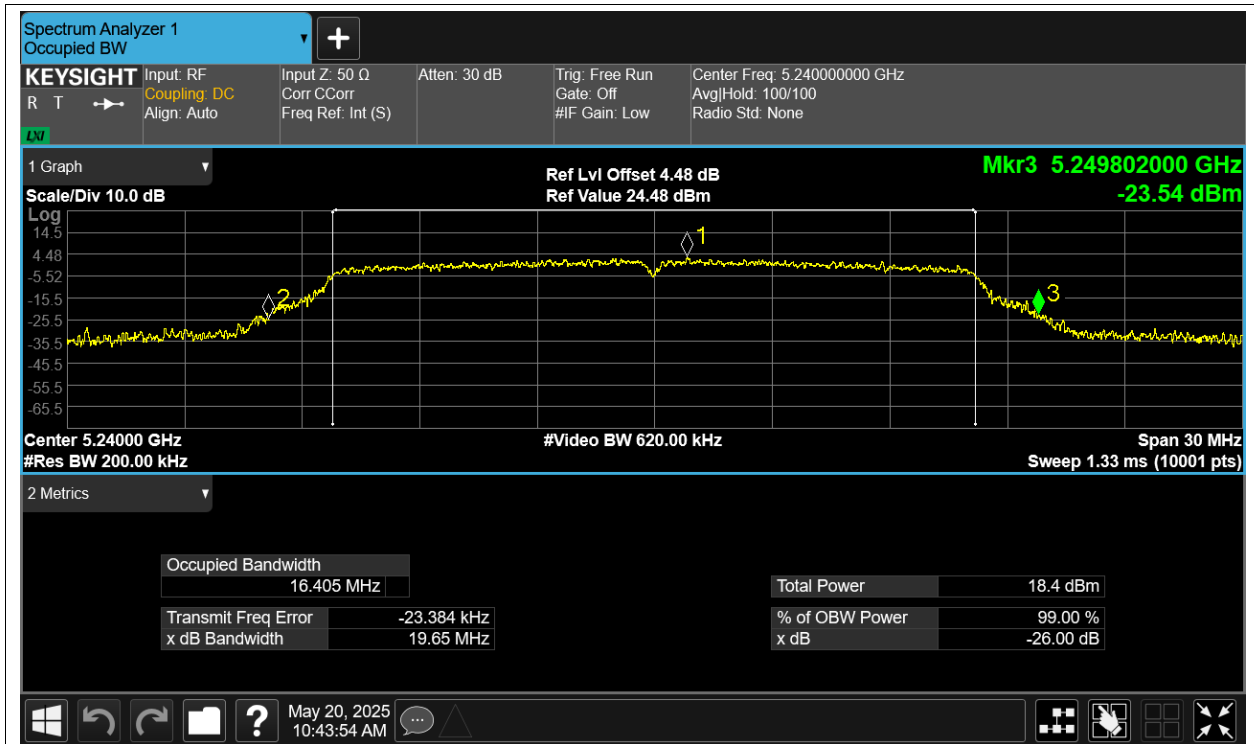
-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



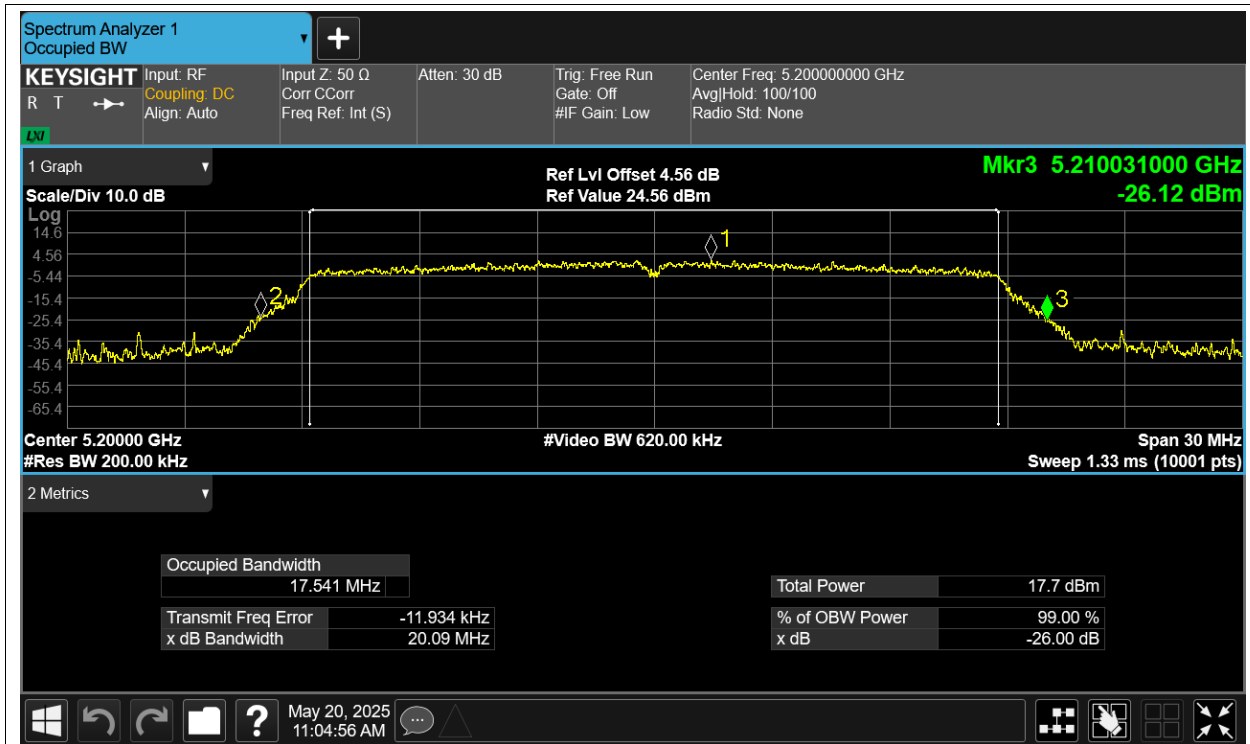
-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT ac20 5180MHz Ant1



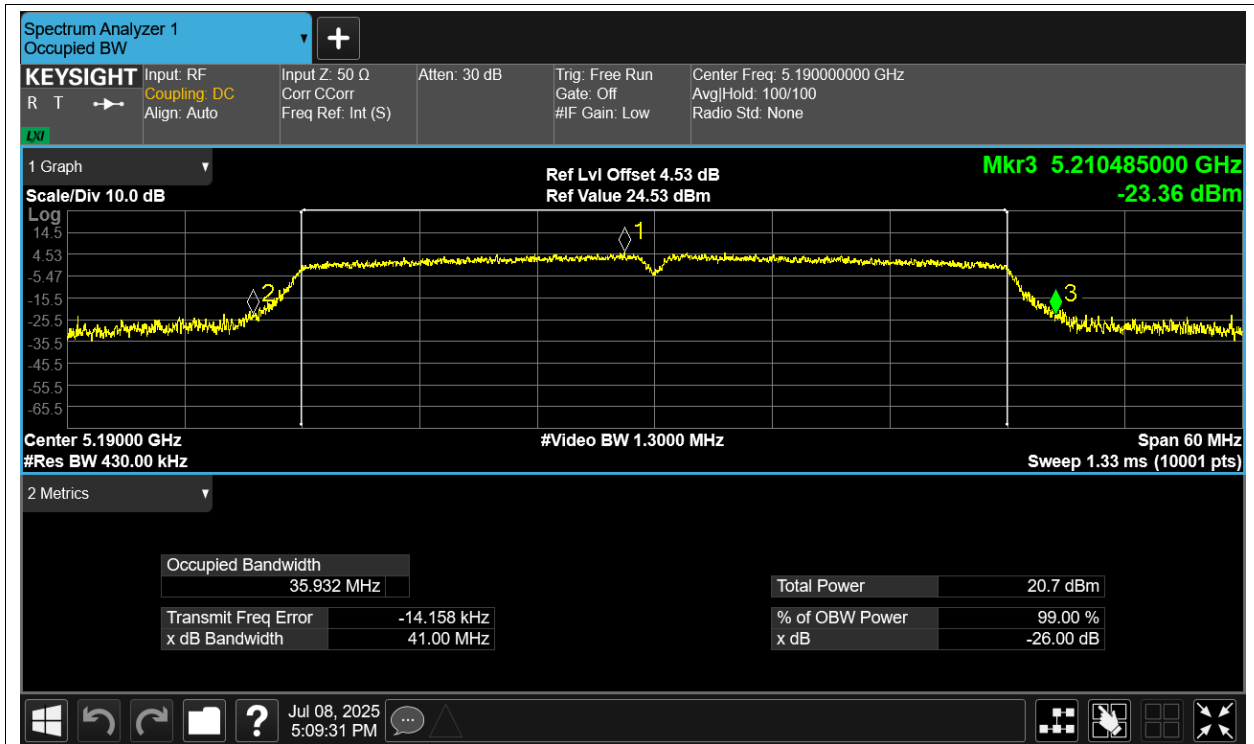
-26dB Bandwidth NVNT ac20 5200MHz Ant1



-26dB Bandwidth NVNT ac20 5240MHz Ant1



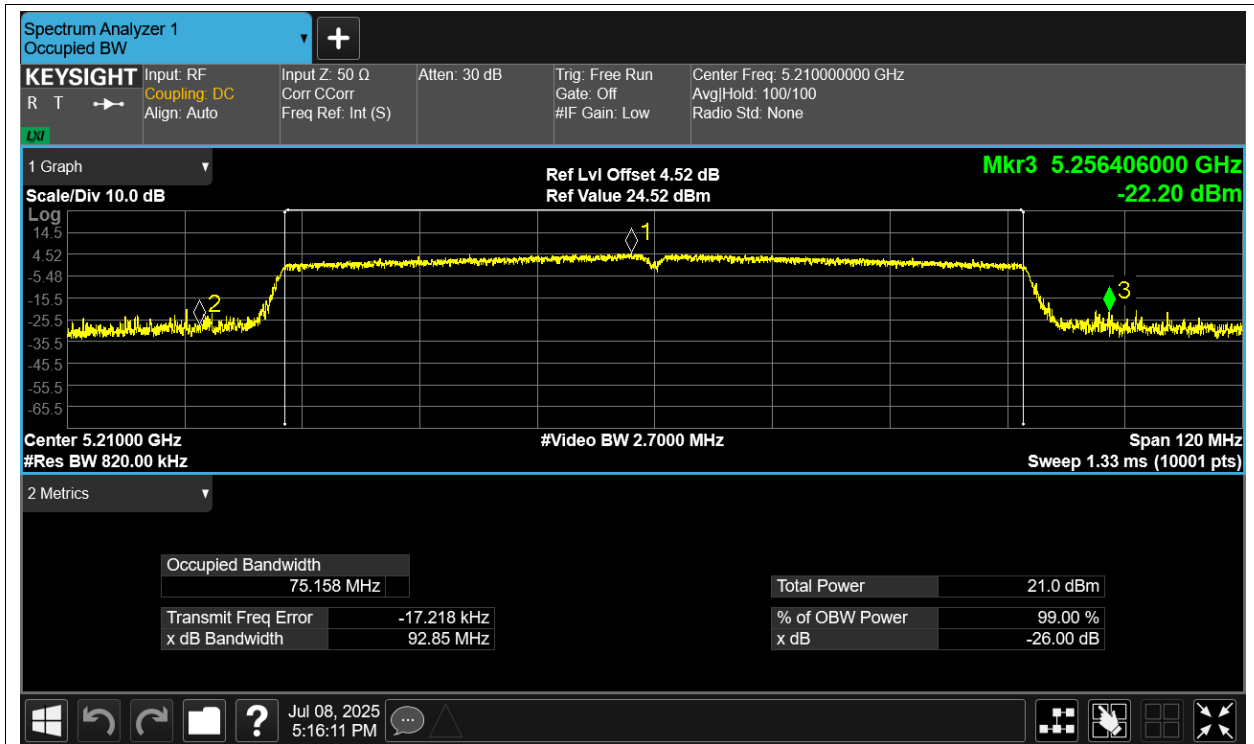
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant1



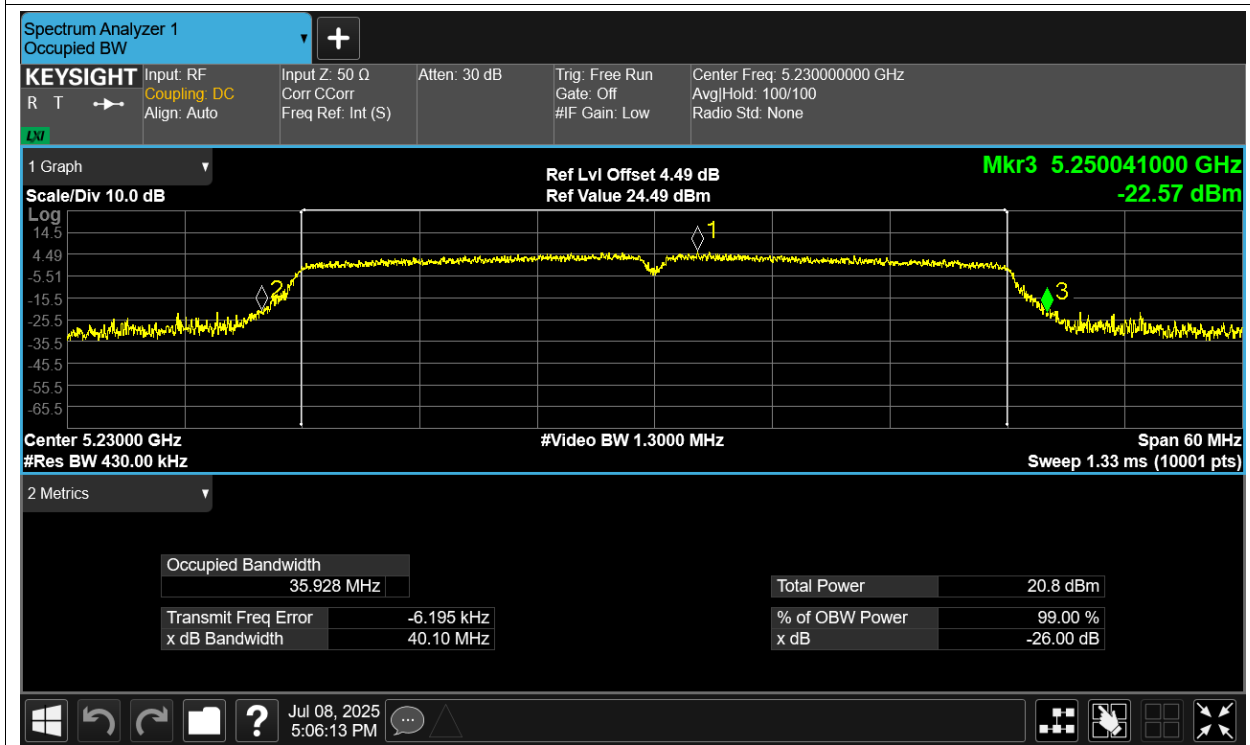
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

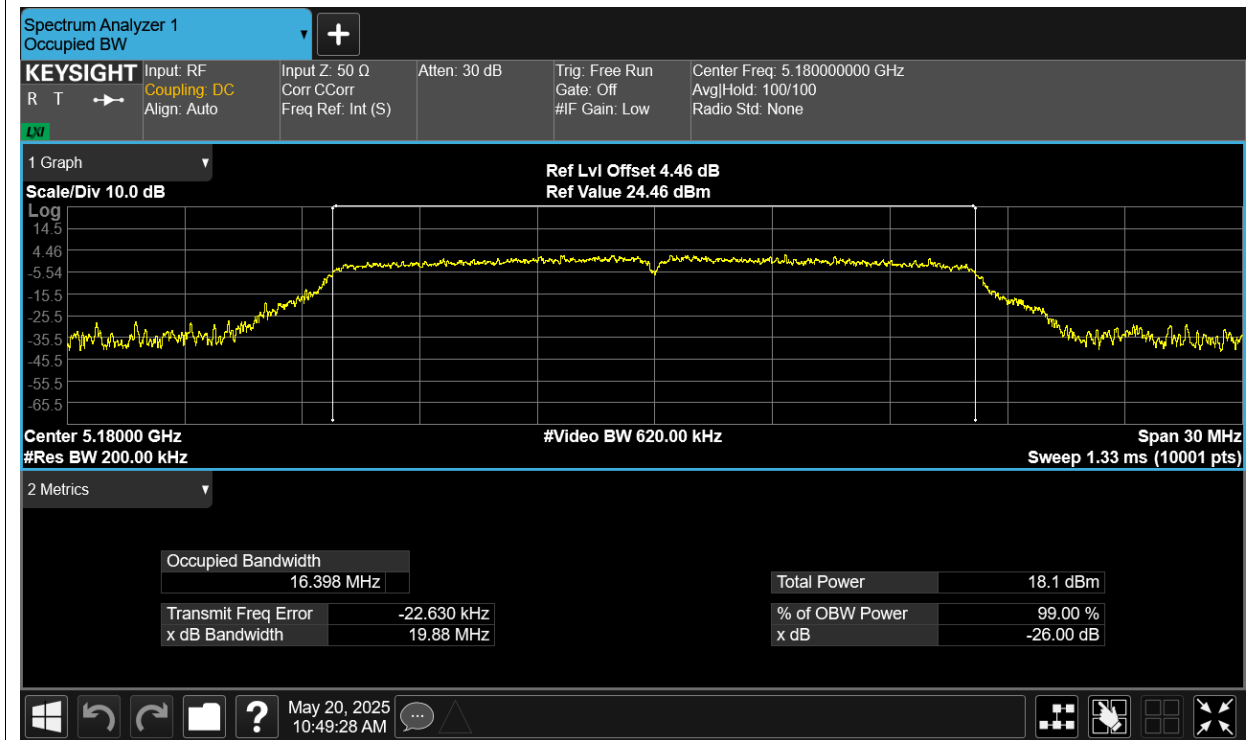


Occupied Channel Bandwidth

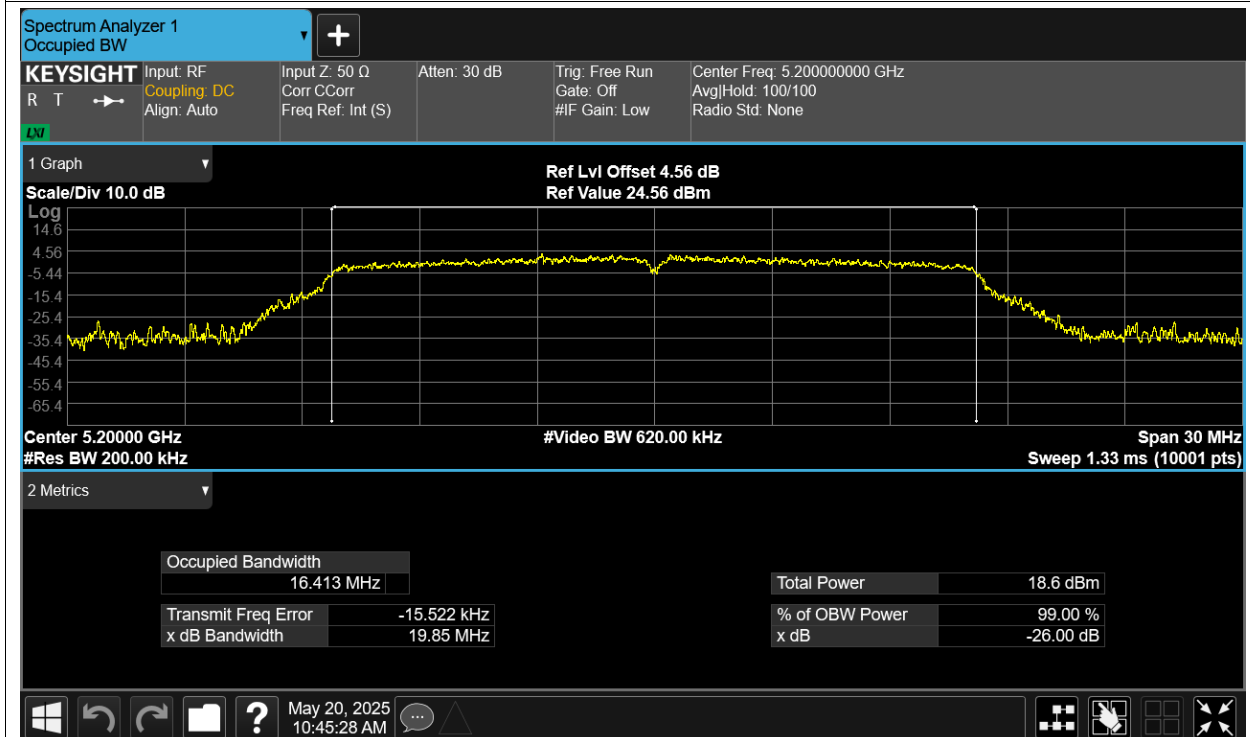
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.398
NVNT	a	5200	Ant1	16.413
NVNT	a	5240	Ant1	16.426
NVNT	ac20	5180	Ant1	17.556
NVNT	ac20	5200	Ant1	17.553
NVNT	ac20	5240	Ant1	17.558
NVNT	ac40	5190	Ant1	35.966
NVNT	ac40	5230	Ant1	36.006
NVNT	ac80	5210	Ant1	75.158
NVNT	n20	5180	Ant1	17.563
NVNT	n20	5200	Ant1	17.549
NVNT	n20	5240	Ant1	17.554
NVNT	n40	5190	Ant1	35.955
NVNT	n40	5230	Ant1	35.954

Test Graphs

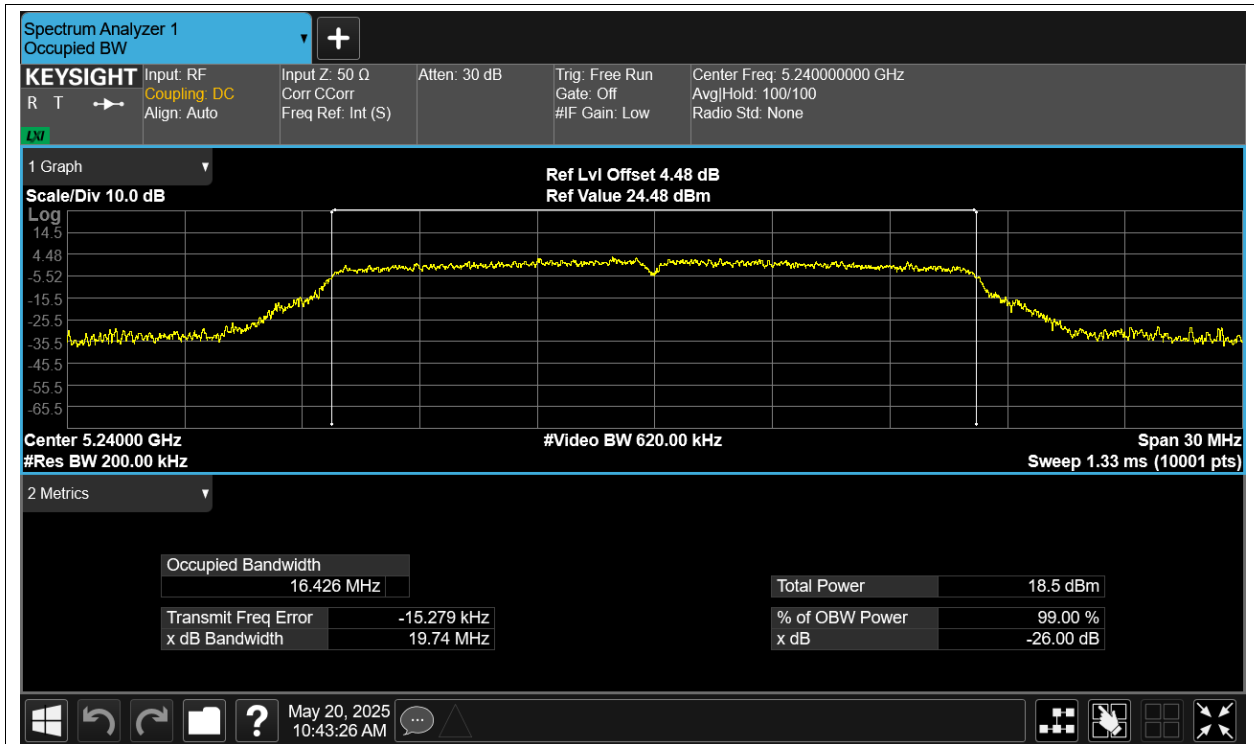
OBW NVNT a 5180MHz Ant1



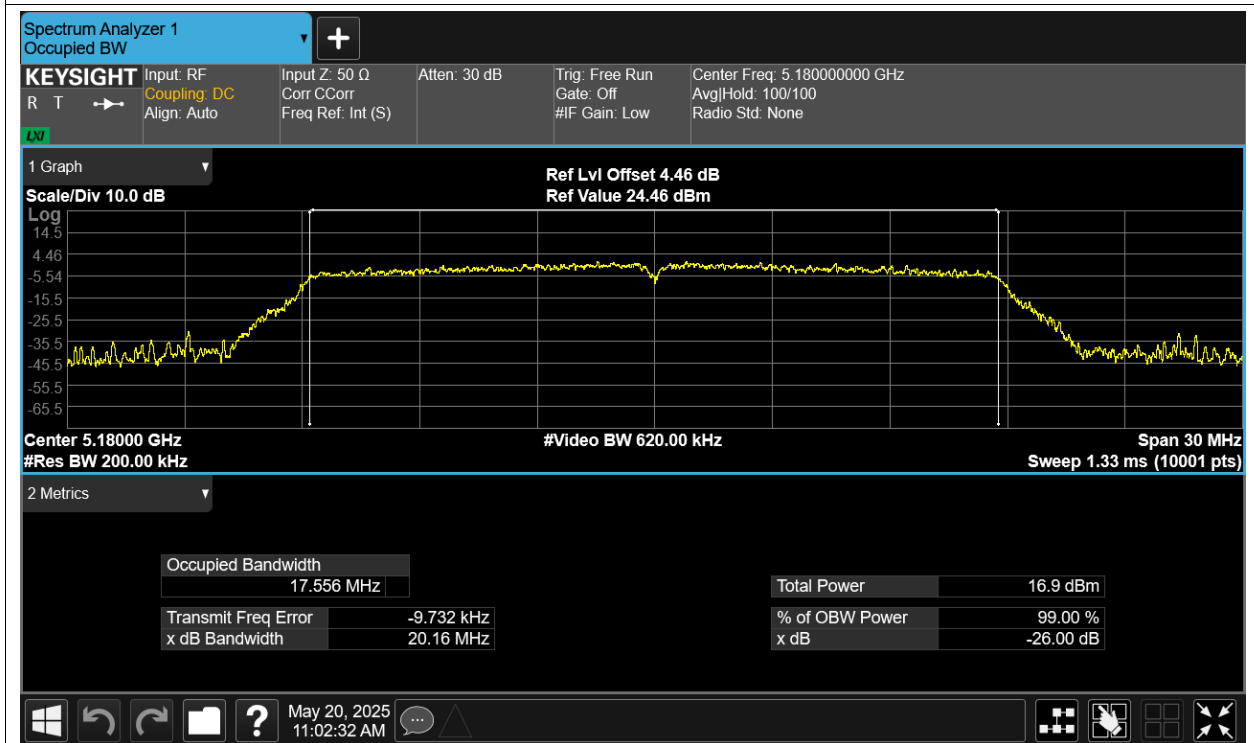
OBW NVNT a 5200MHz Ant1



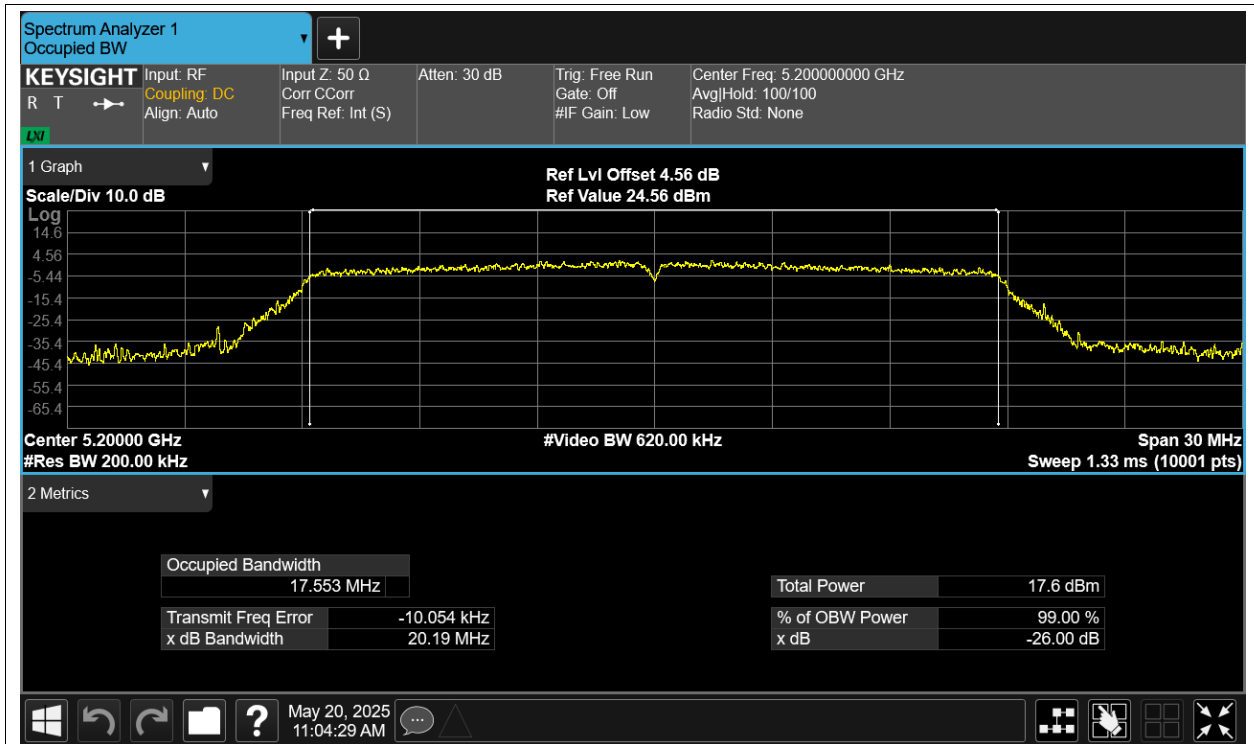
OBW NVNT a 5240MHz Ant1



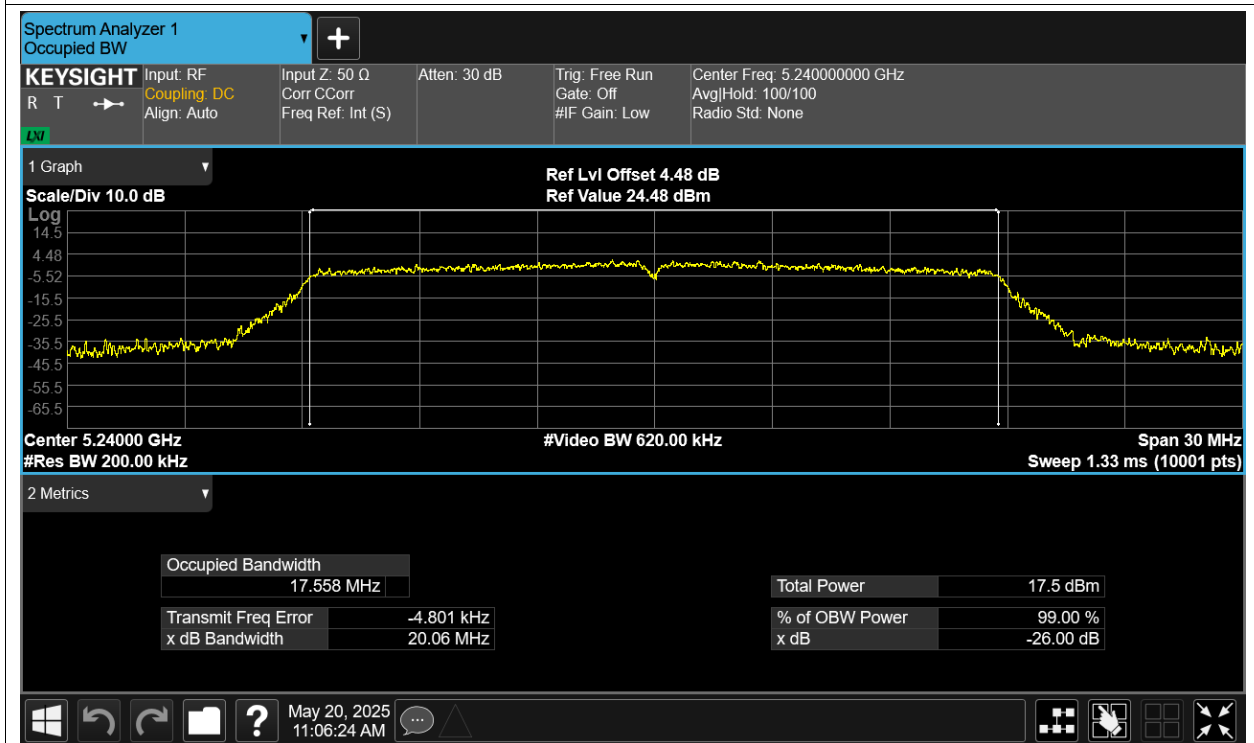
OBW NVNT ac20 5180MHz Ant1



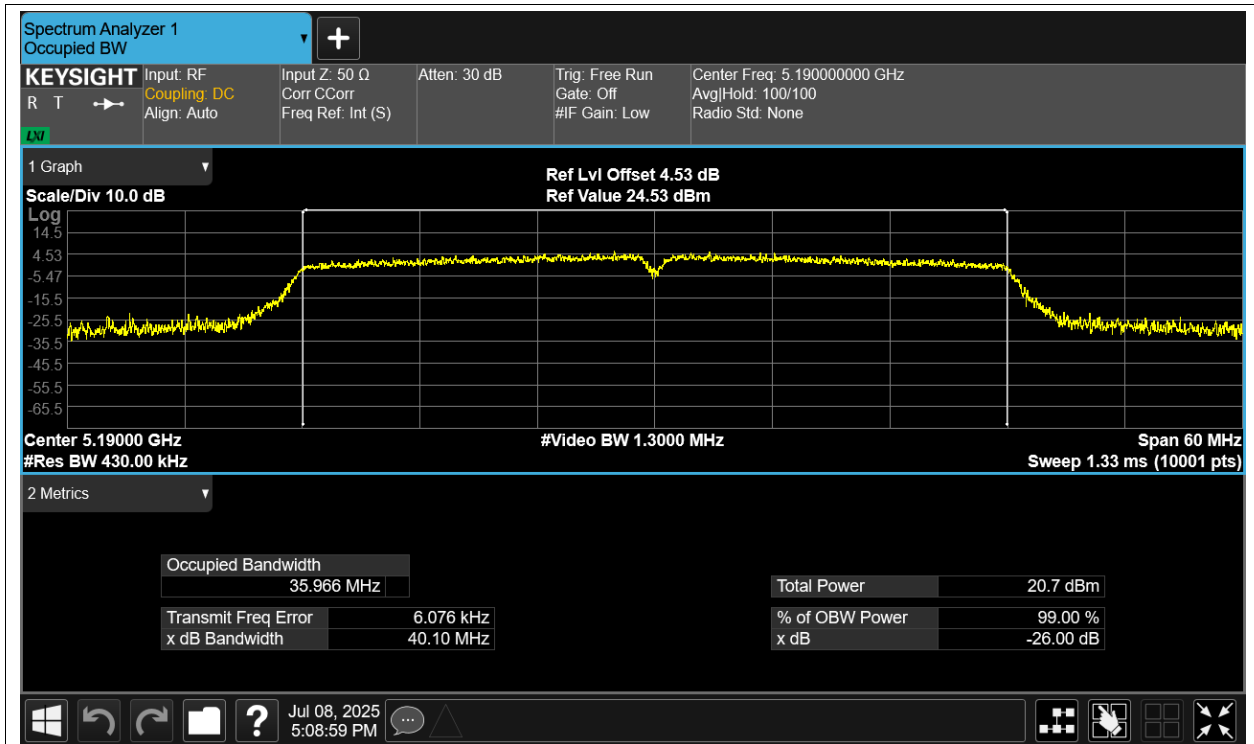
OBW NVNT ac20 5200MHz Ant1



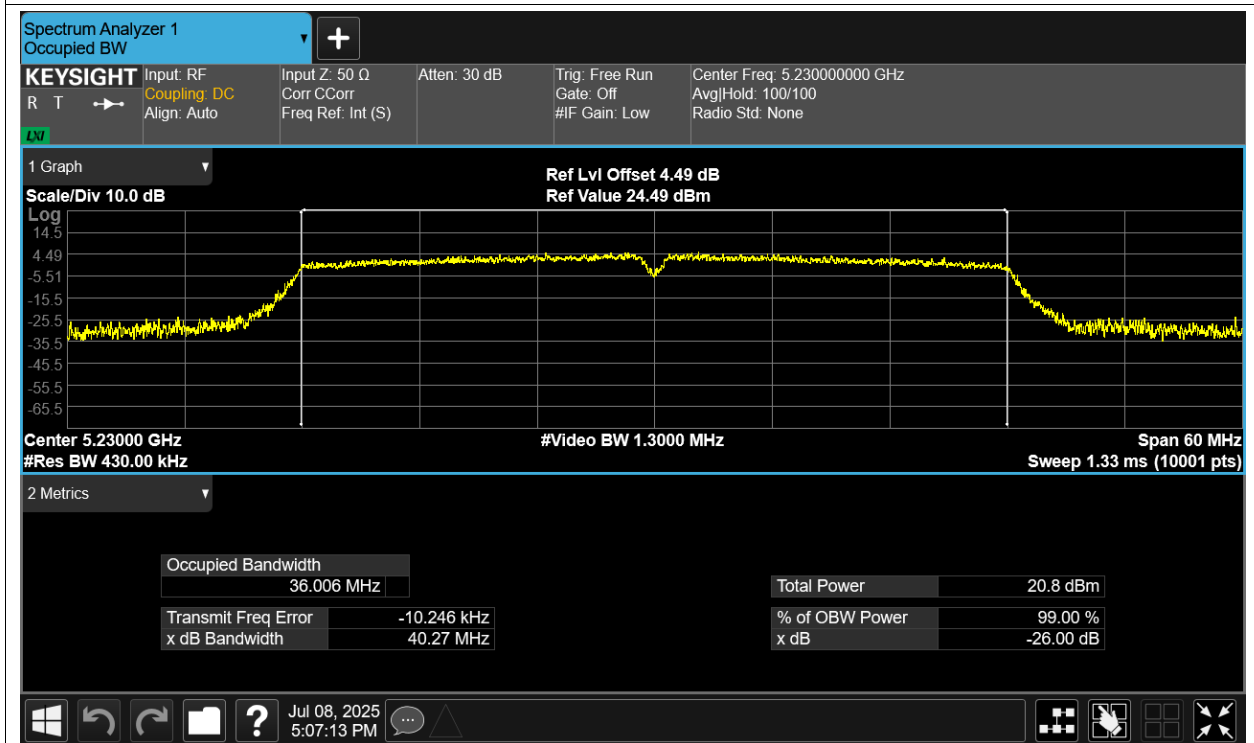
OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



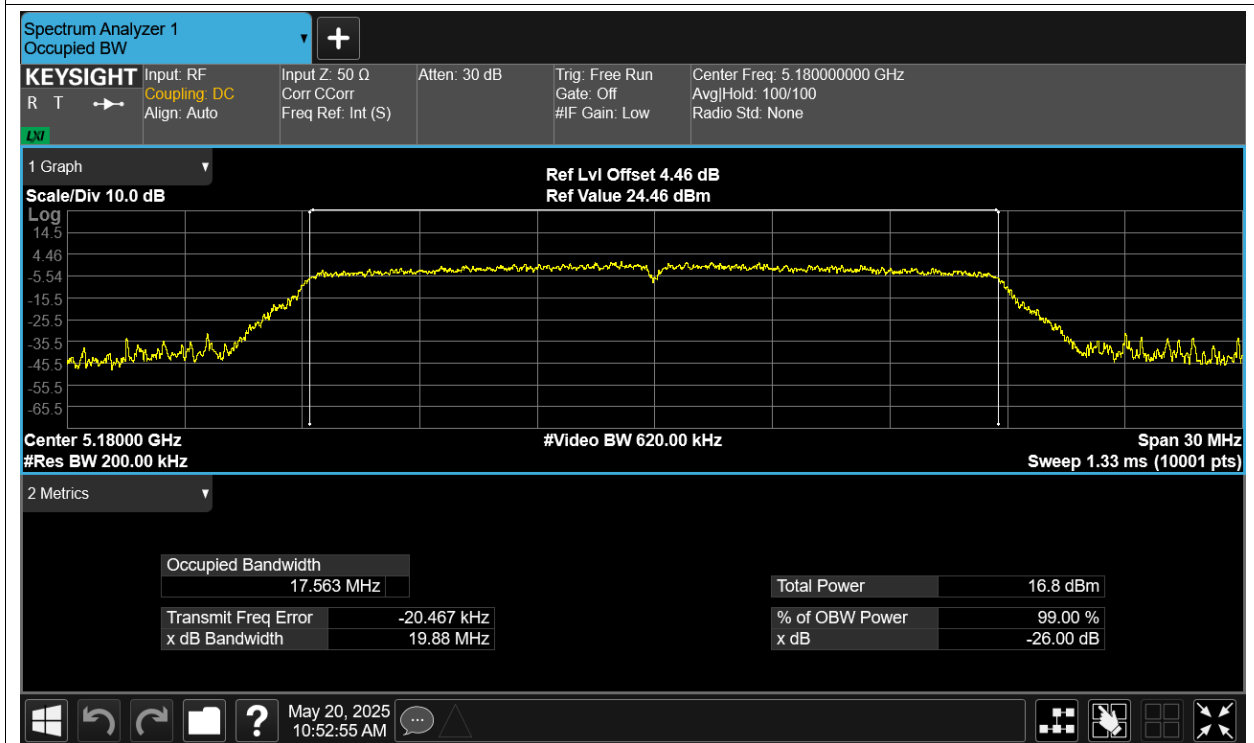
OBW NVNT ac40 5230MHz Ant1



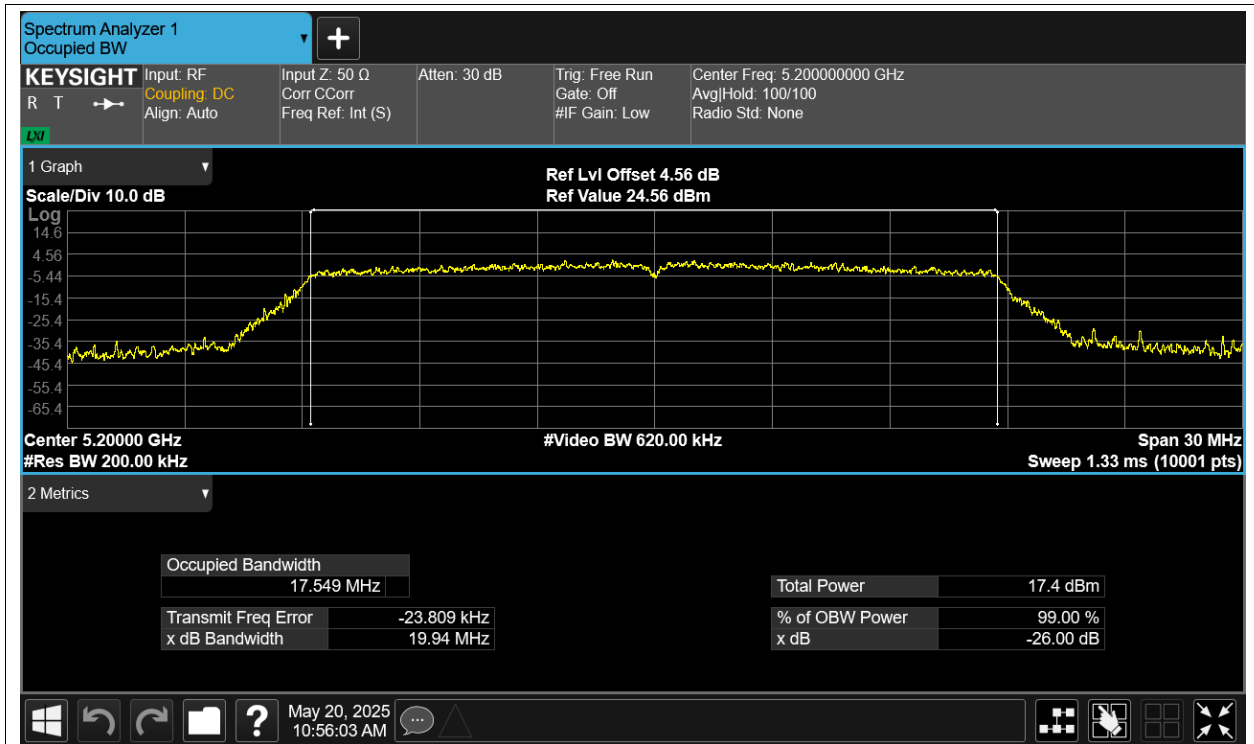
OBW NVNT ac80 5210MHz Ant1



OBW NVNT n20 5180MHz Ant1



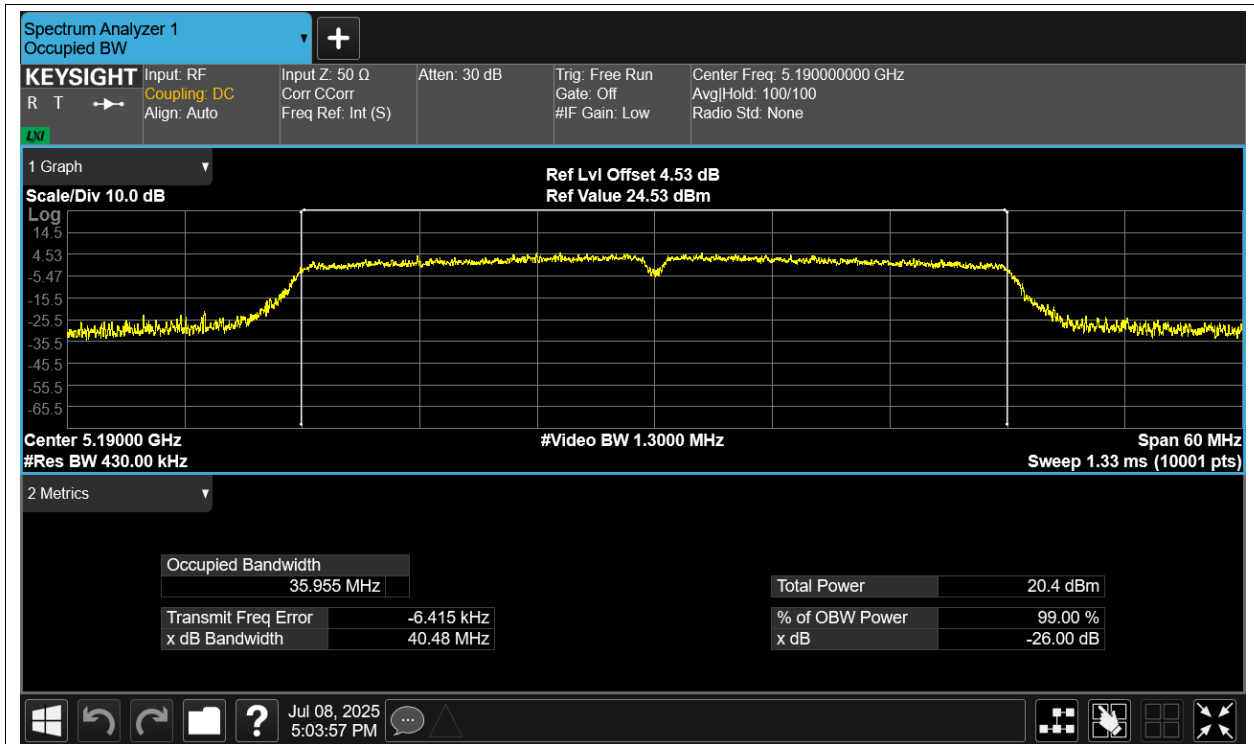
OBW NVNT n20 5200MHz Ant1



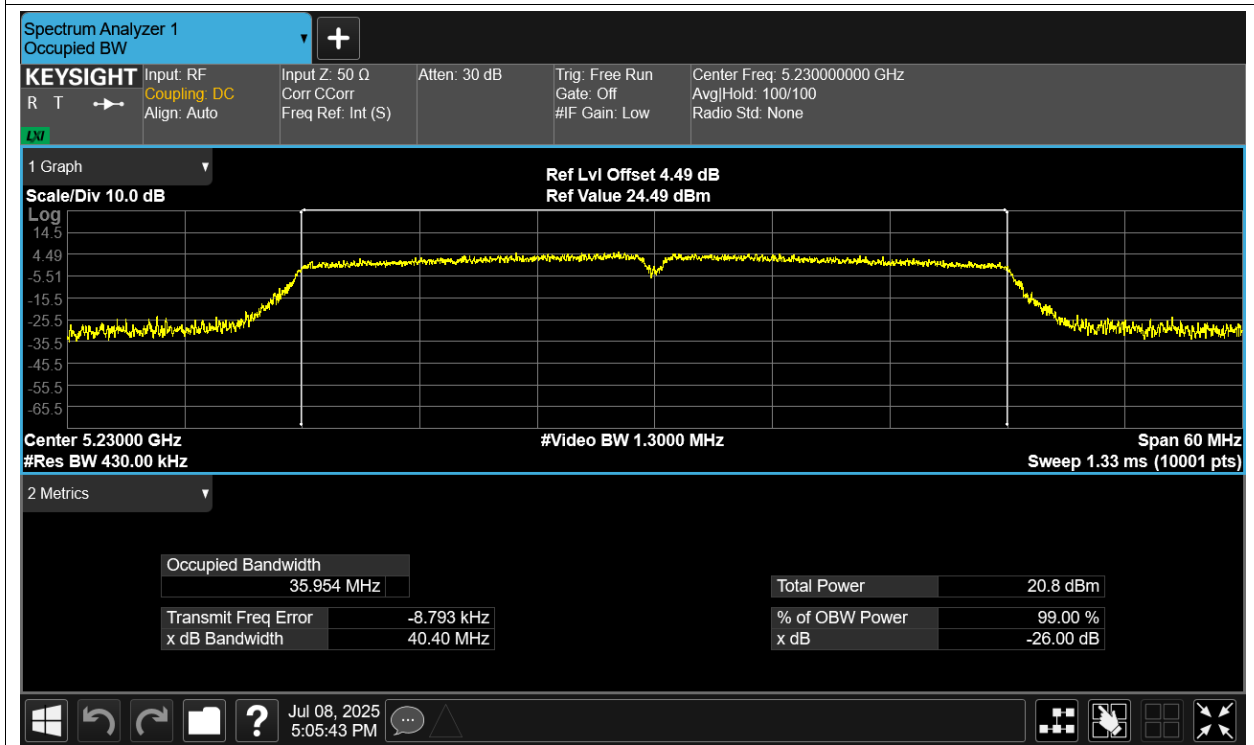
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1



Maximum Power Spectral Density Level

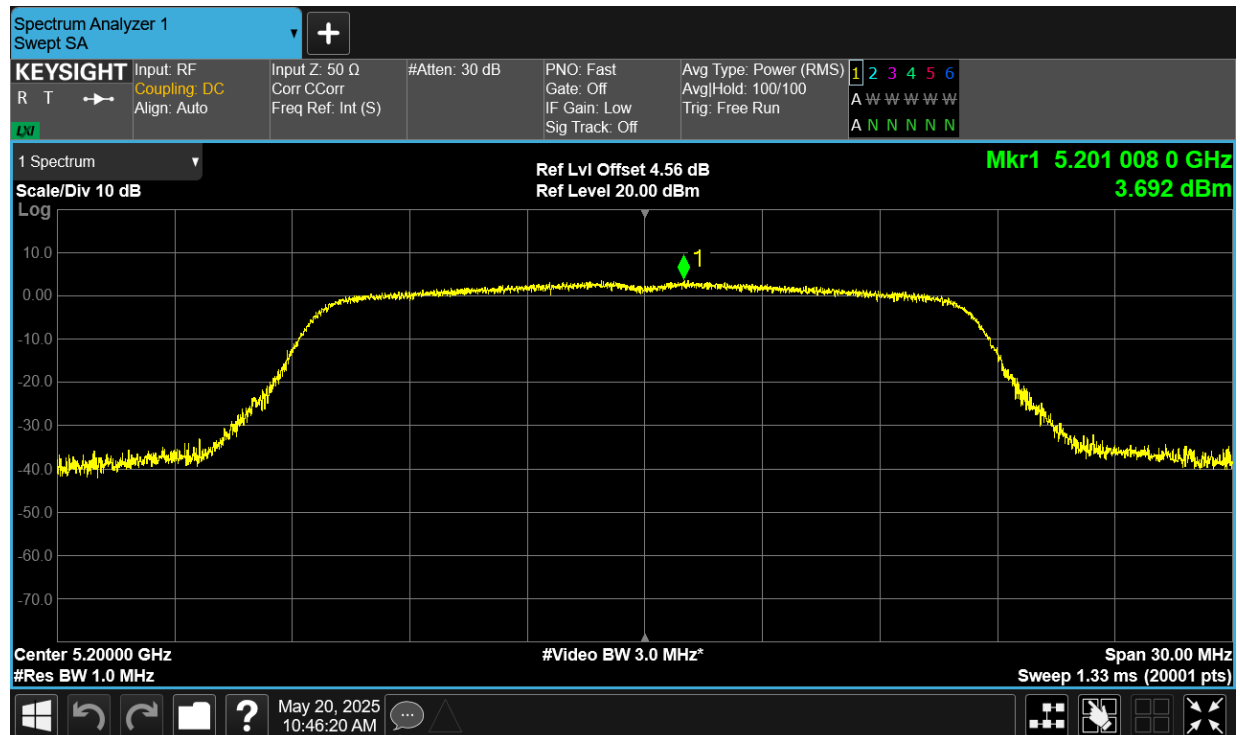
Condition	Mode	Frequency (MHz)	Antenna	Duty Factor (dB)	Max PSD (dBm/MHz)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	0	3.497	3.497	11	Pass
NVNT	a	5200	Ant1	0	3.692	3.692	11	Pass
NVNT	a	5240	Ant1	0	3.339	3.339	11	Pass
NVNT	ac20	5180	Ant1	0	1.874	1.874	11	Pass
NVNT	ac20	5200	Ant1	0	2.4	2.4	11	Pass
NVNT	ac20	5240	Ant1	0	2.556	2.556	11	Pass
NVNT	ac40	5190	Ant1	0	-1.136	-1.136	11	Pass
NVNT	ac40	5230	Ant1	0	-1.35	-1.35	11	Pass
NVNT	ac80	5210	Ant1	0	-4.124	-4.124	11	Pass
NVNT	n20	5180	Ant1	0	1.536	1.536	11	Pass
NVNT	n20	5200	Ant1	0	2.197	2.197	11	Pass
NVNT	n20	5240	Ant1	0	2.556	2.556	11	Pass
NVNT	n40	5190	Ant1	0	-1.196	-1.196	11	Pass
NVNT	n40	5230	Ant1	0	-1.239	-1.239	11	Pass

Test Graphs

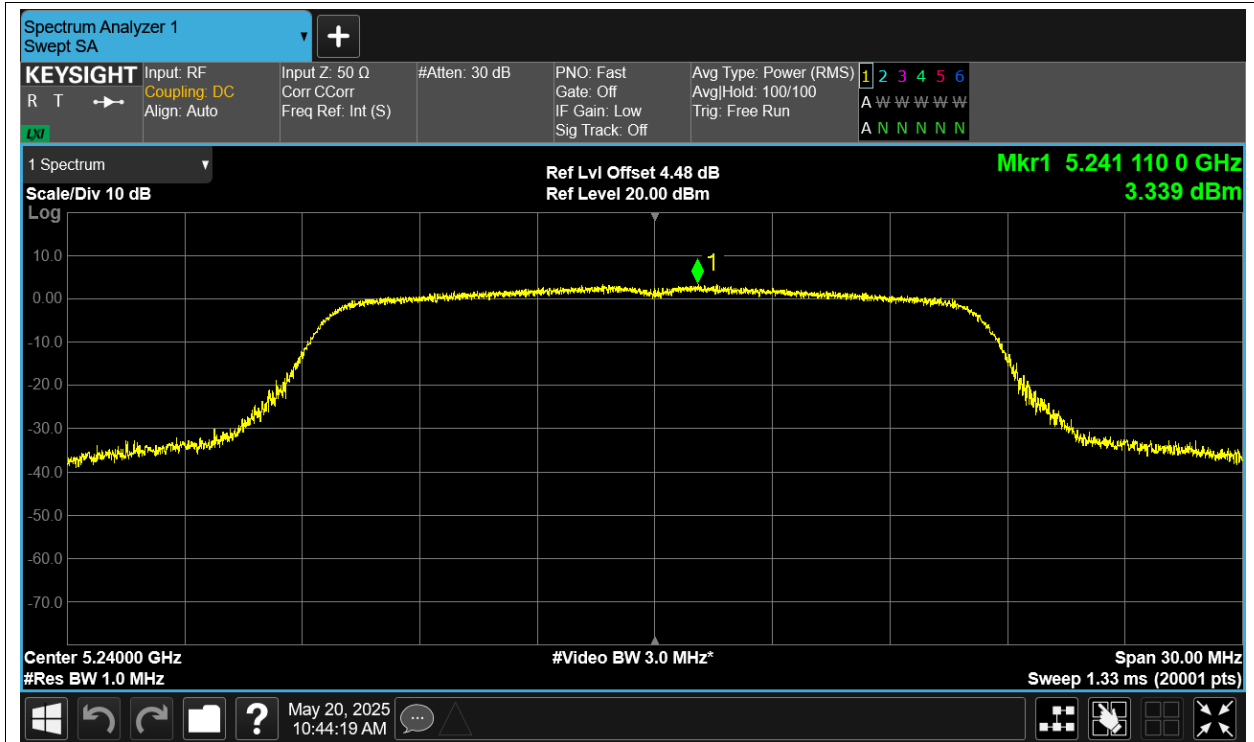
PSD NVNT a 5180MHz Ant1



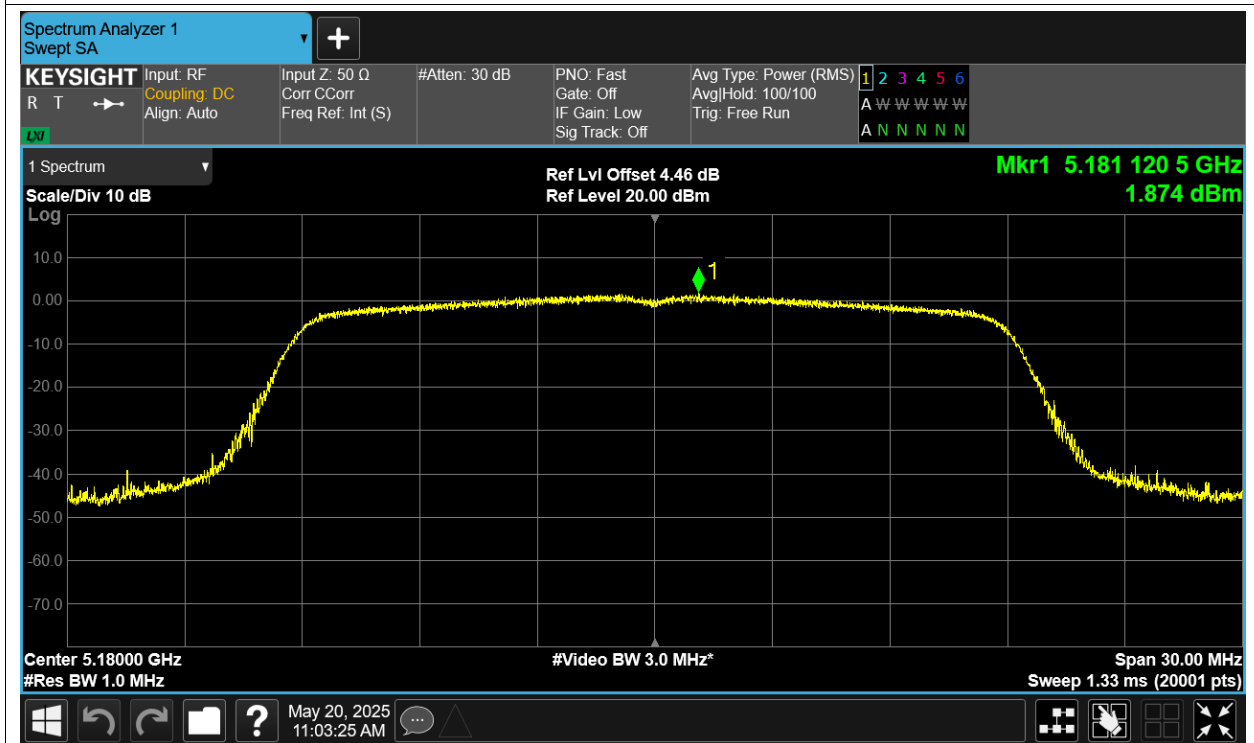
PSD NVNT a 5200MHz Ant1



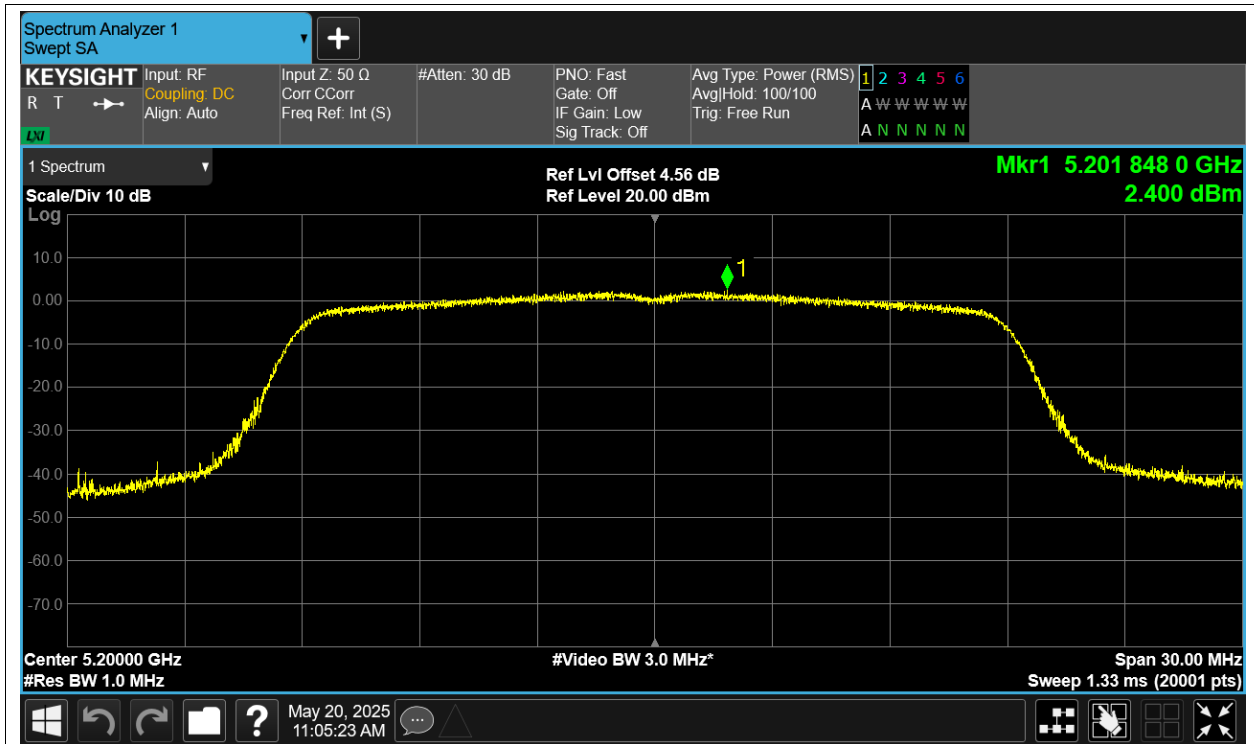
PSD NVNT a 5240MHz Ant1



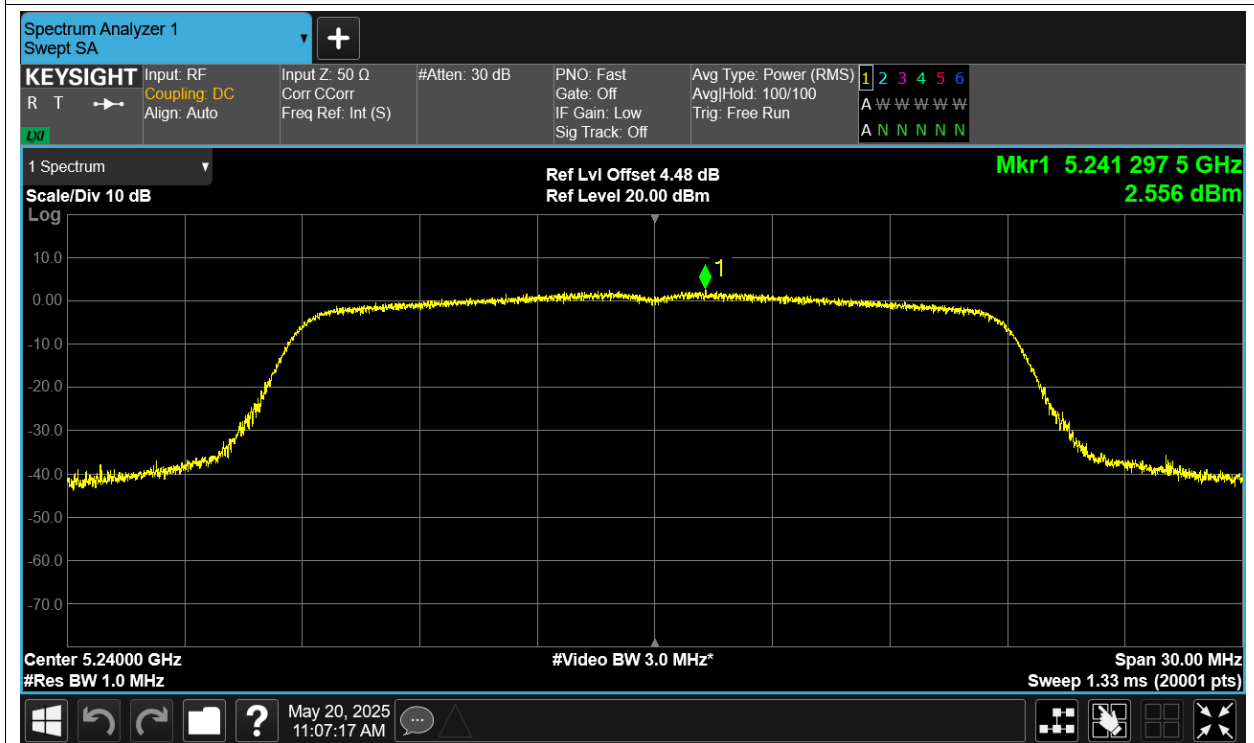
PSD NVNT ac20 5180MHz Ant1



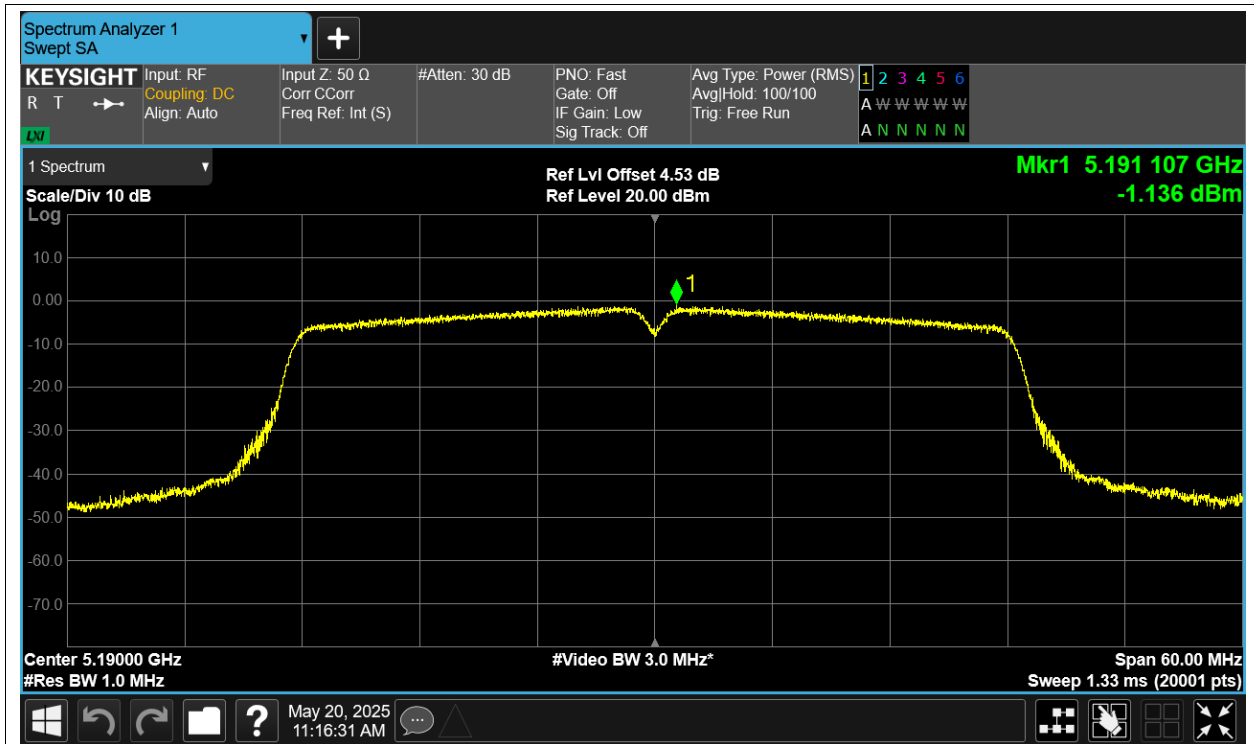
PSD NVNT ac20 5200MHz Ant1



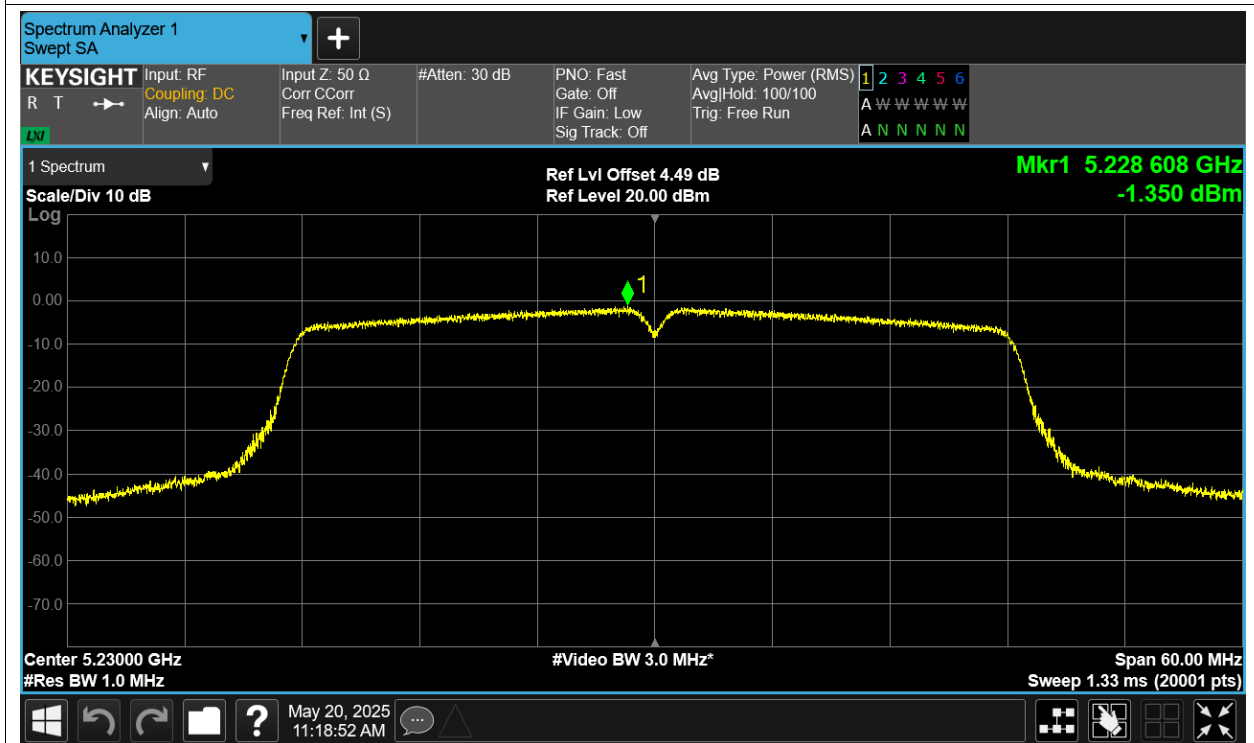
PSD NVNT ac20 5240MHz Ant1



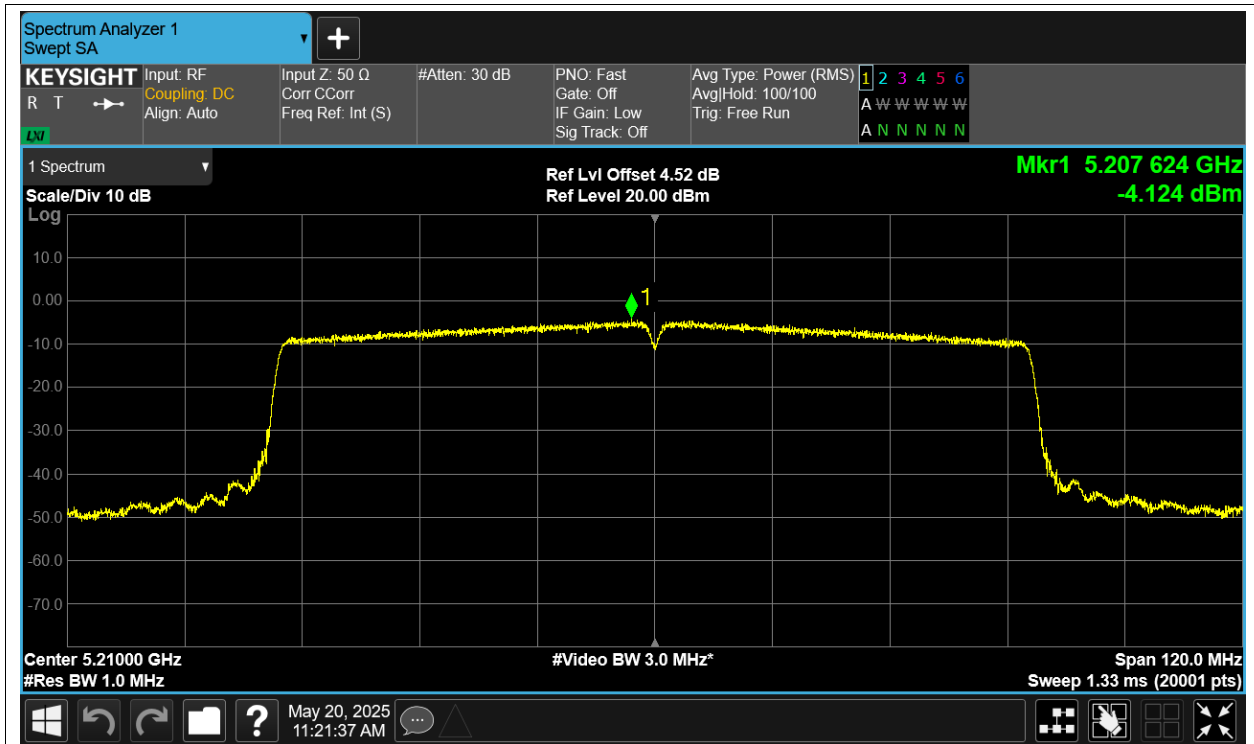
PSD NVNT ac40 5190MHz Ant1



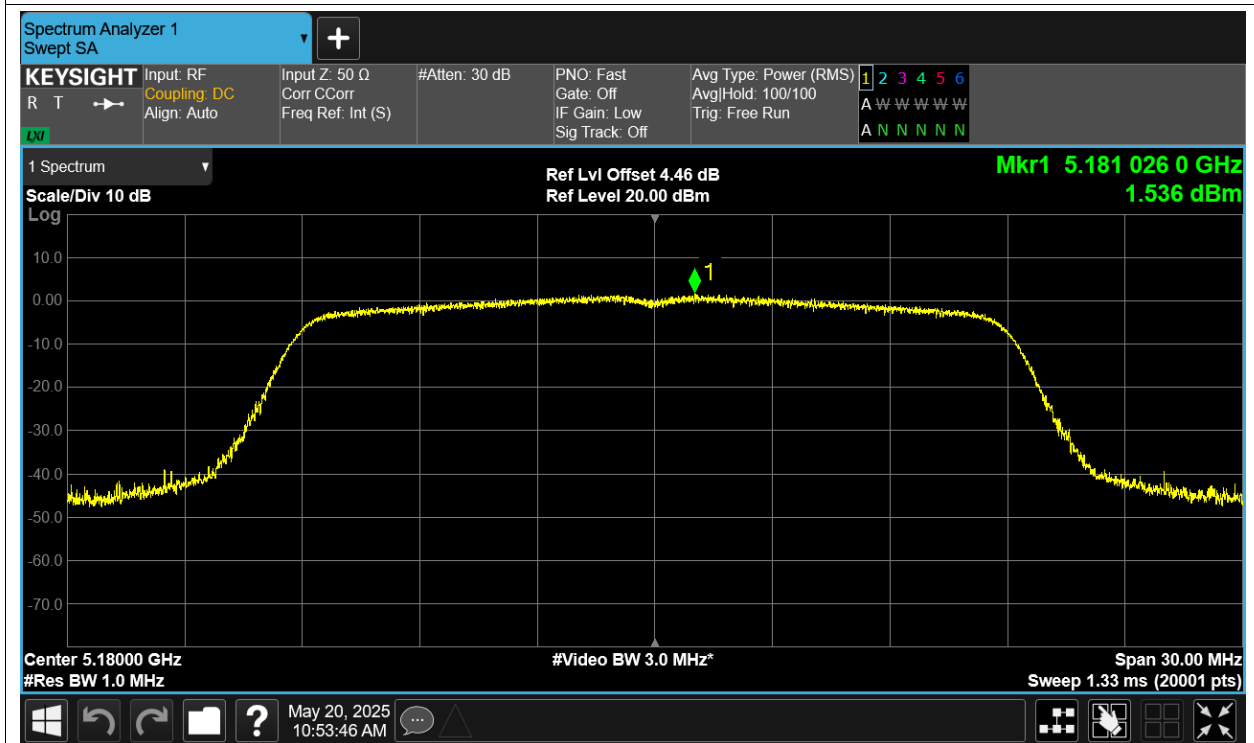
PSD NVNT ac40 5230MHz Ant1



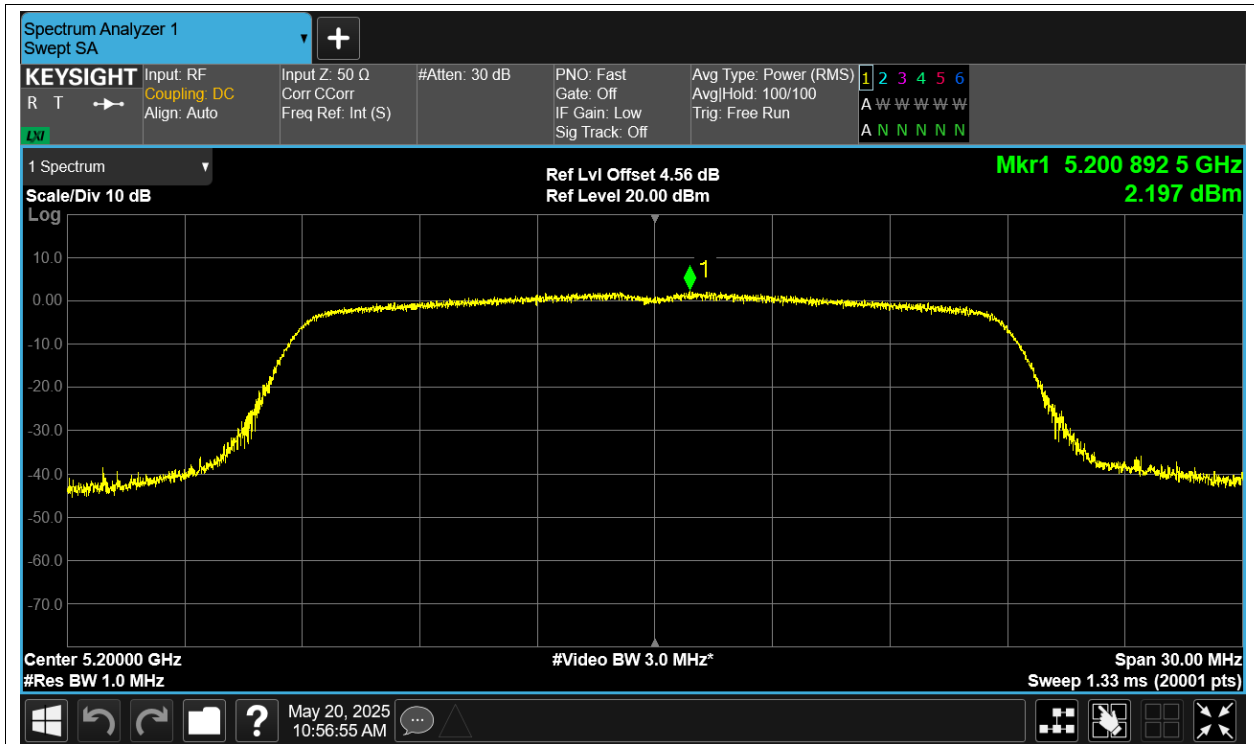
PSD NVNT ac80 5210MHz Ant1



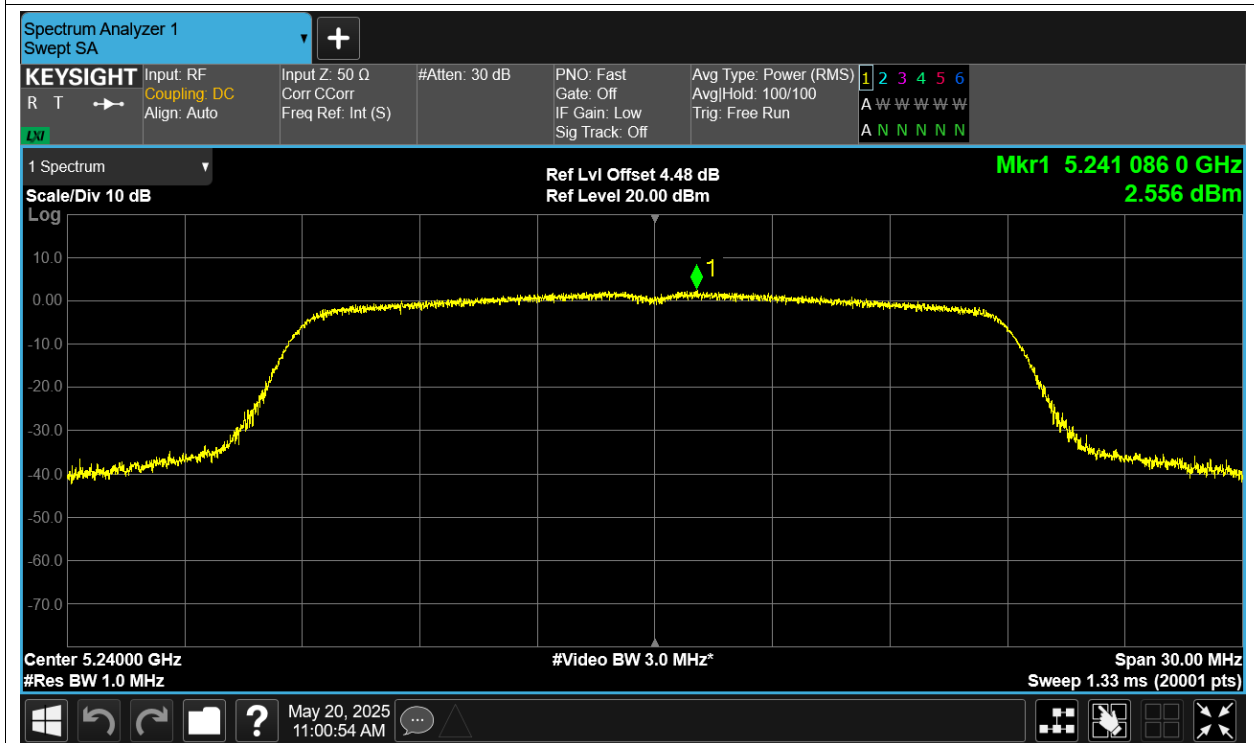
PSD NVNT n20 5180MHz Ant1



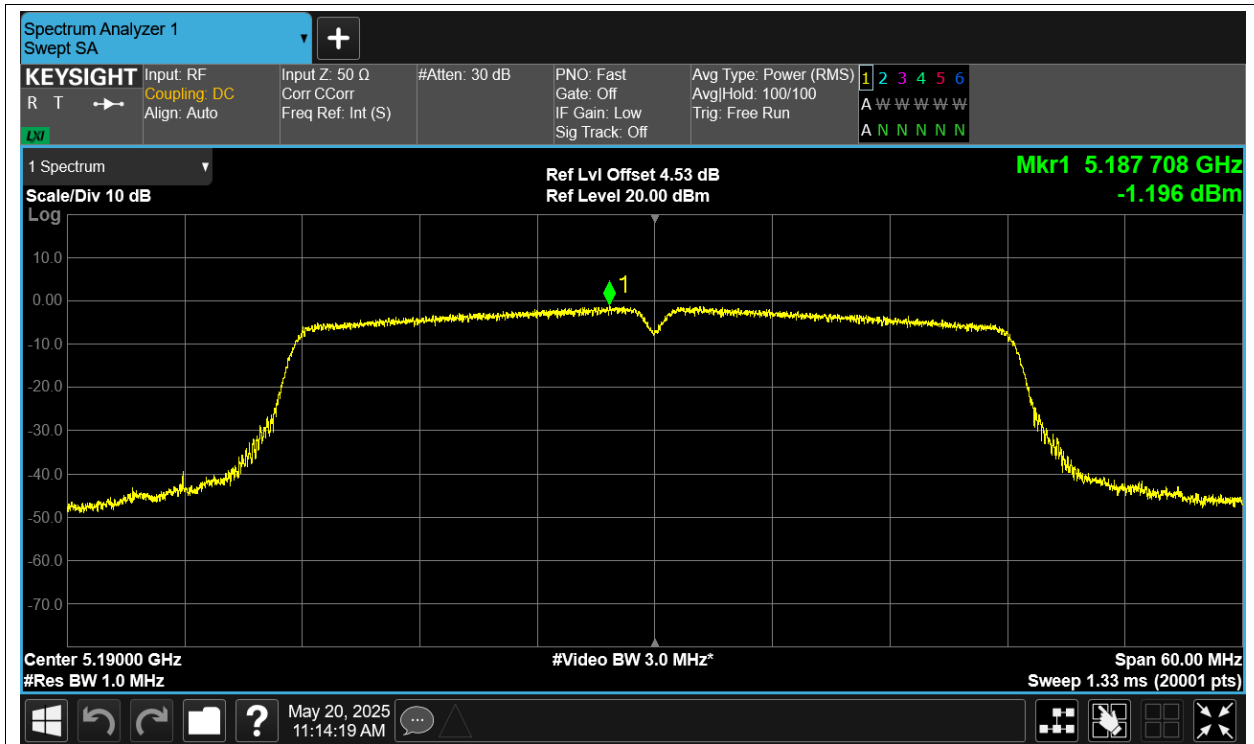
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

