

Test Data

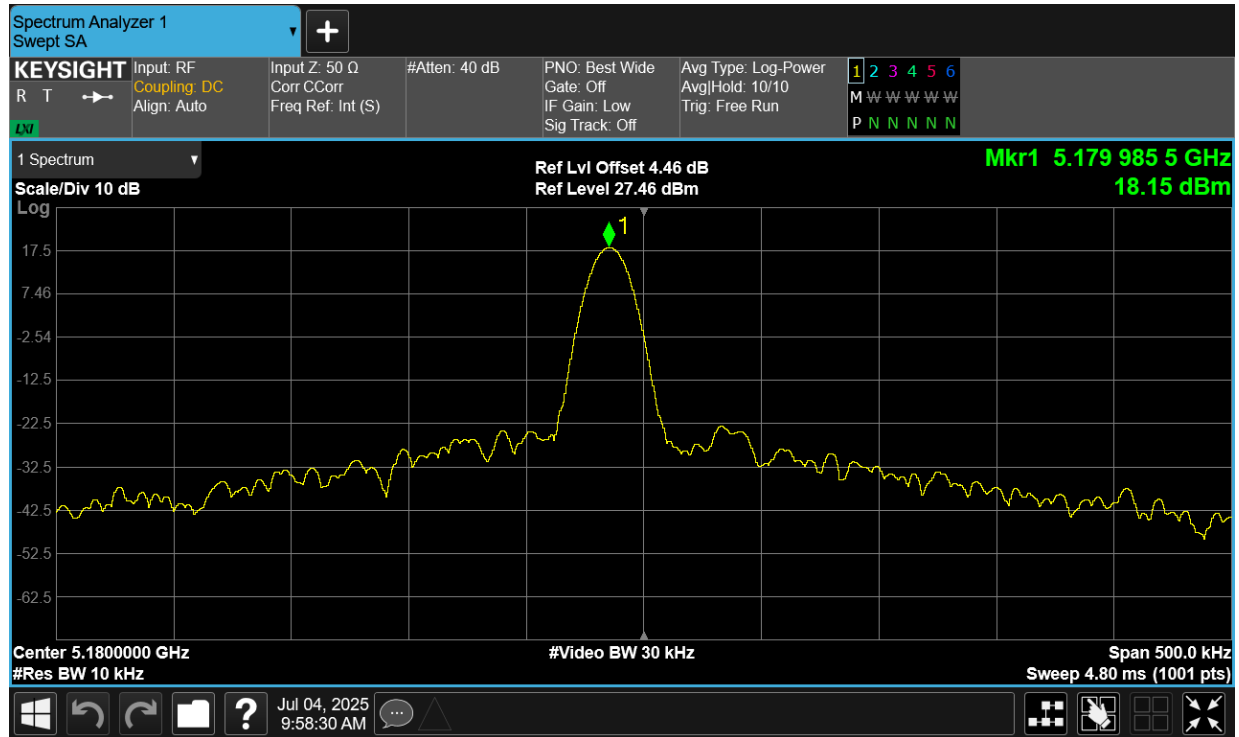
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9855	-2.8	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9855	-2.8		Pass
NVHT	a	5180	Ant1	5179.986	-2.7		Pass
NVLT	a	5180	Ant1	5179.986	-2.7		Pass
NVNT	a	5180	Ant1	5179.9865	-2.61		Pass
HVNT	ac80	5210	Ant1	5209.985	-2.88		Pass
LVNT	ac80	5210	Ant1	5209.985	-2.88		Pass
NVHT	ac80	5210	Ant1	5209.985	-2.88		Pass
NVLT	ac80	5210	Ant1	5209.985	-2.88		Pass
NVNT	ac80	5210	Ant1	5209.985294118	-2.82		Pass
HVNT	n40	5190	Ant1	5189.985	-2.89		Pass
LVNT	n40	5190	Ant1	5189.985	-2.89		Pass
NVHT	n40	5190	Ant1	5189.985	-2.89		Pass
NVLT	n40	5190	Ant1	5189.9855	-2.79		Pass
NVNT	n40	5190	Ant1	5189.9855	-2.79		Pass

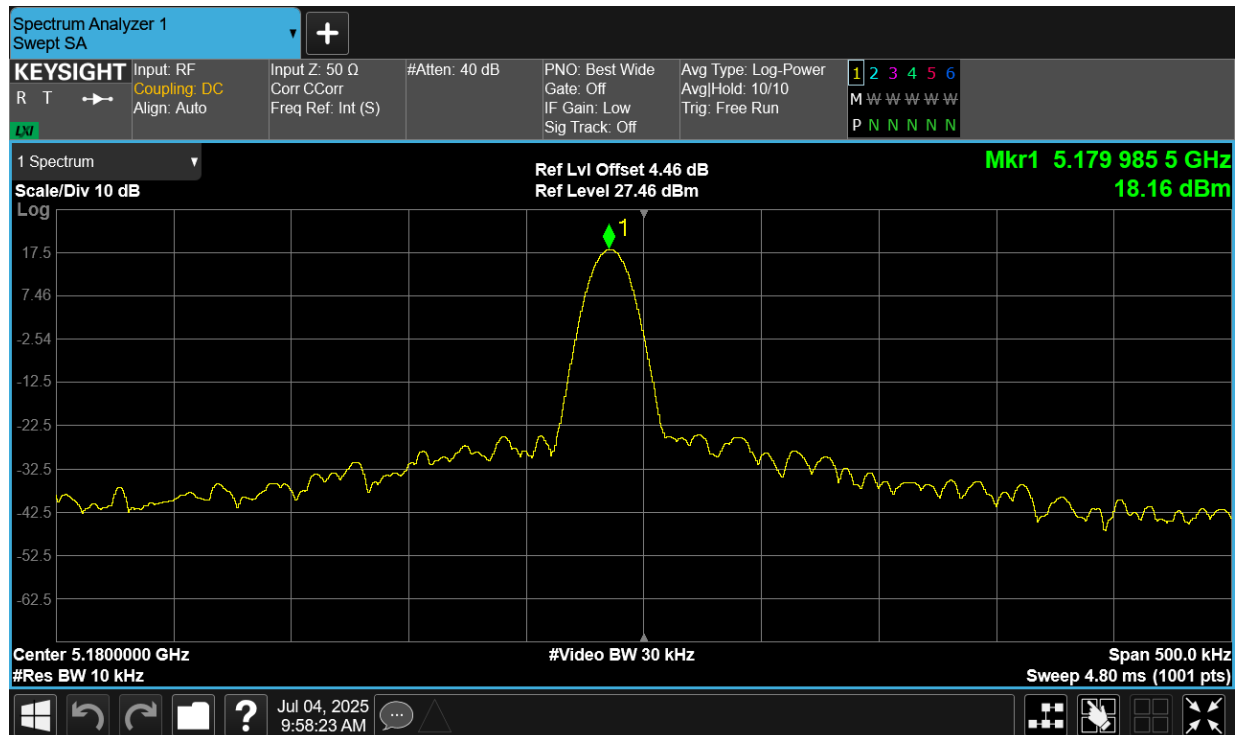
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low. Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

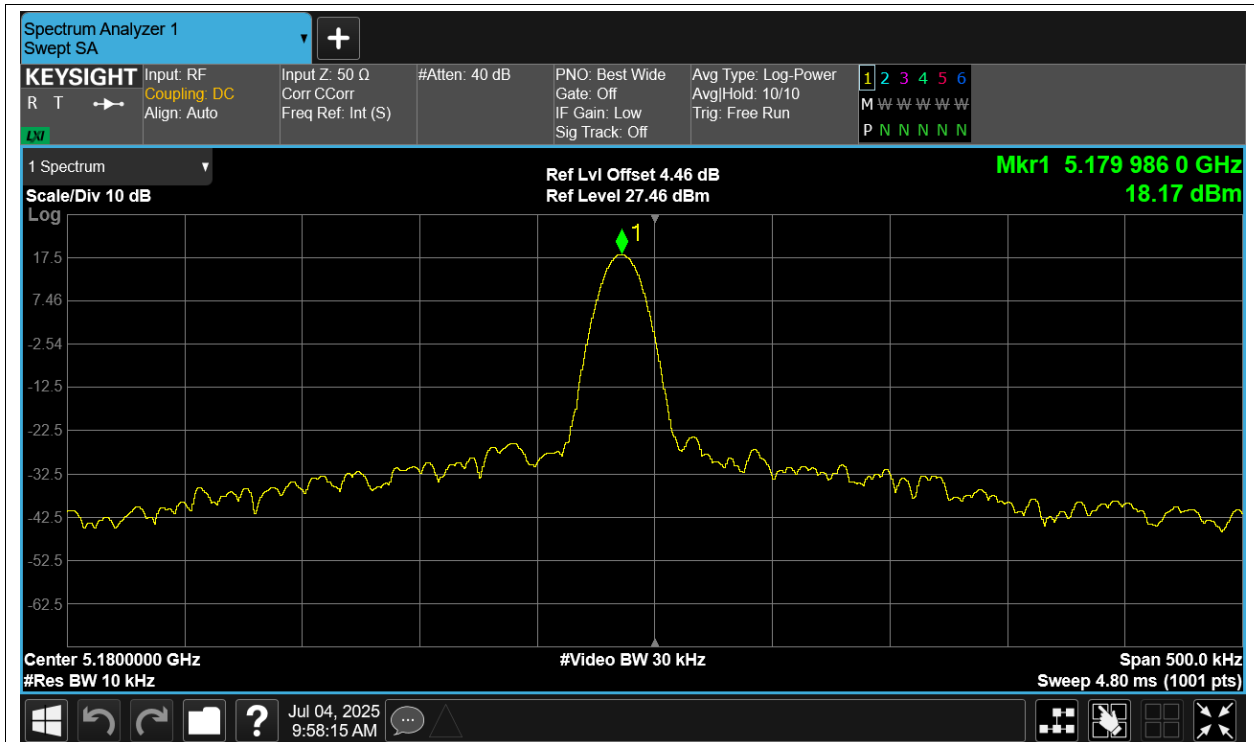
Freq. Stability HVNT a 5180MHz Ant1



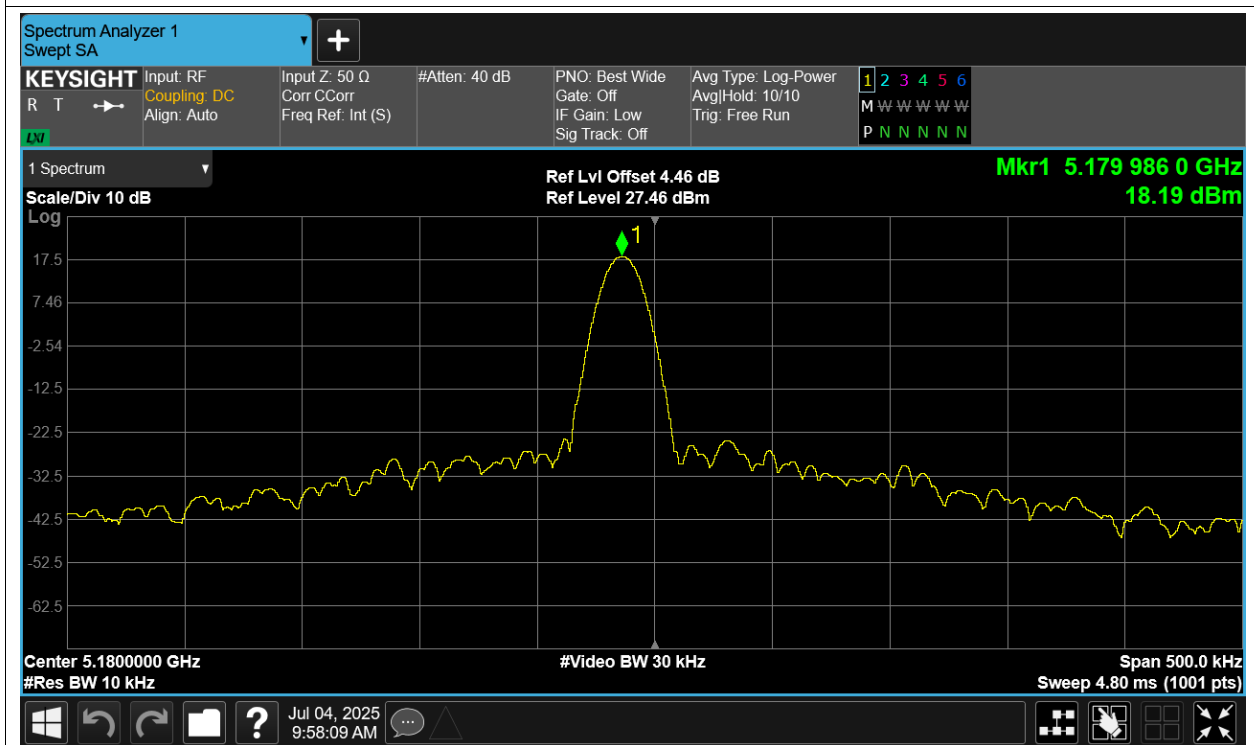
Freq. Stability LVNT a 5180MHz Ant1



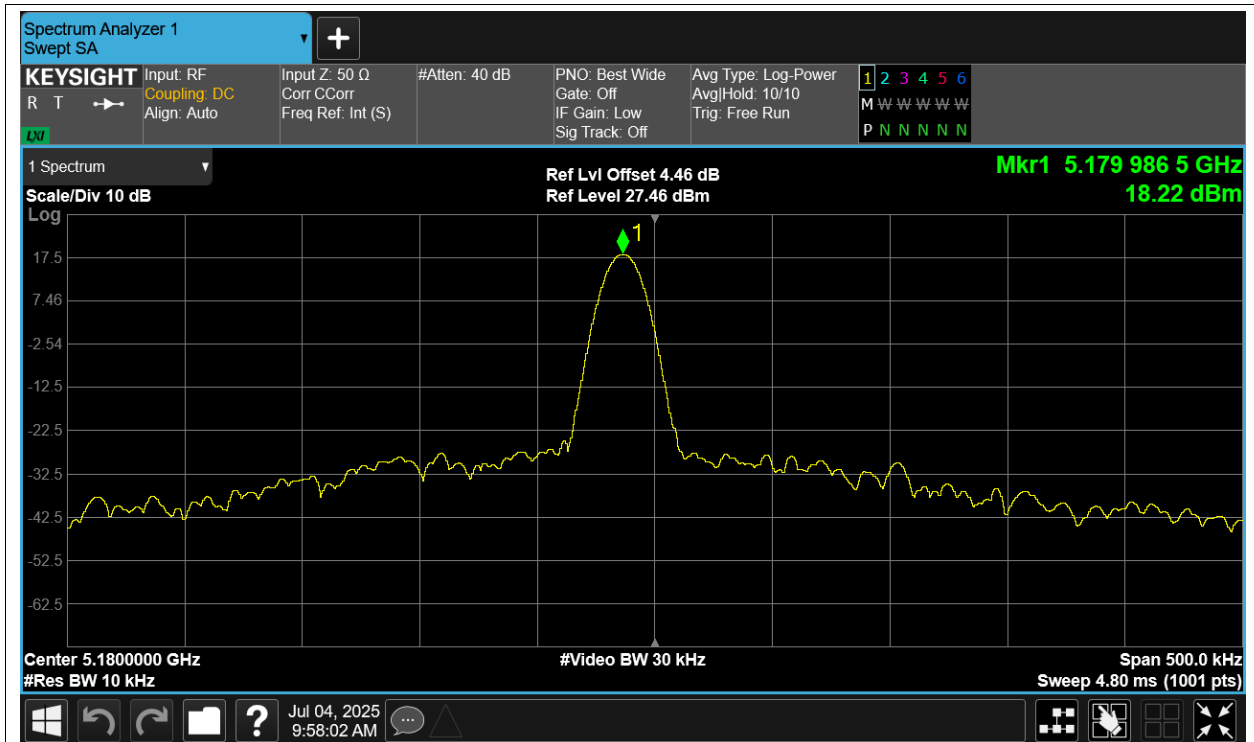
Freq. Stability NVHT a 5180MHz Ant1



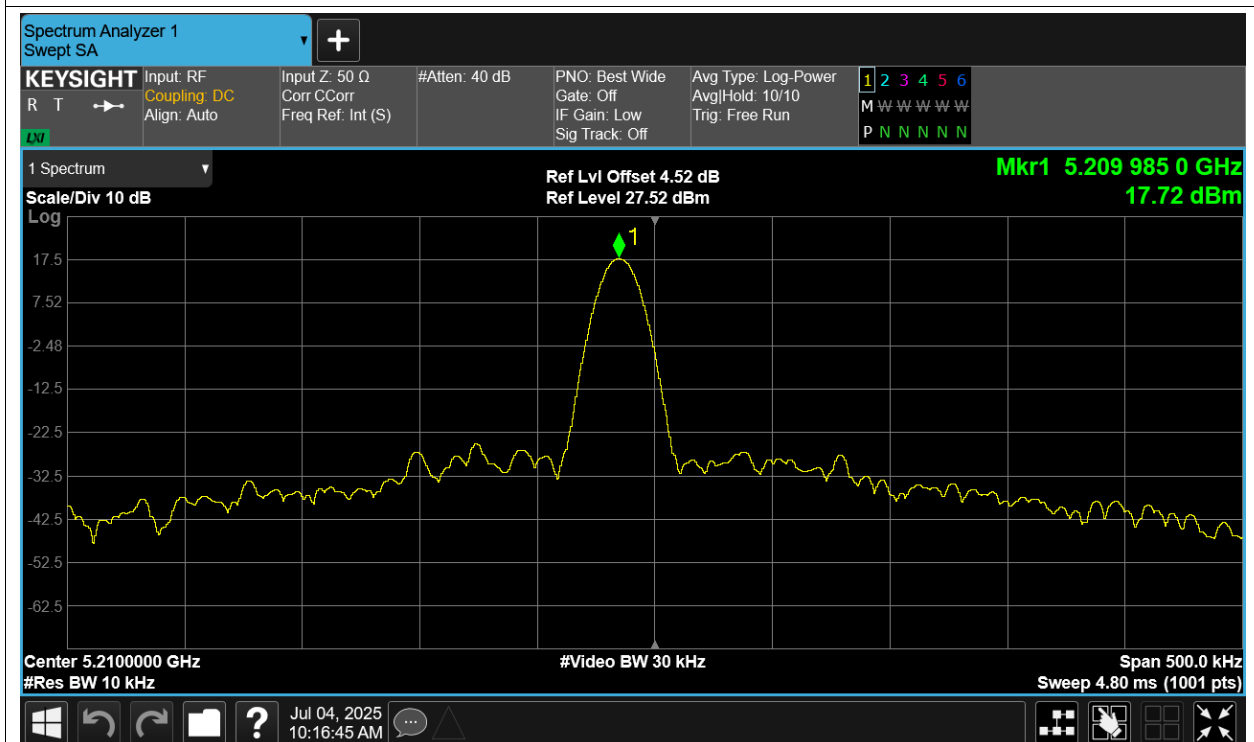
Freq. Stability NVLT a 5180MHz Ant1



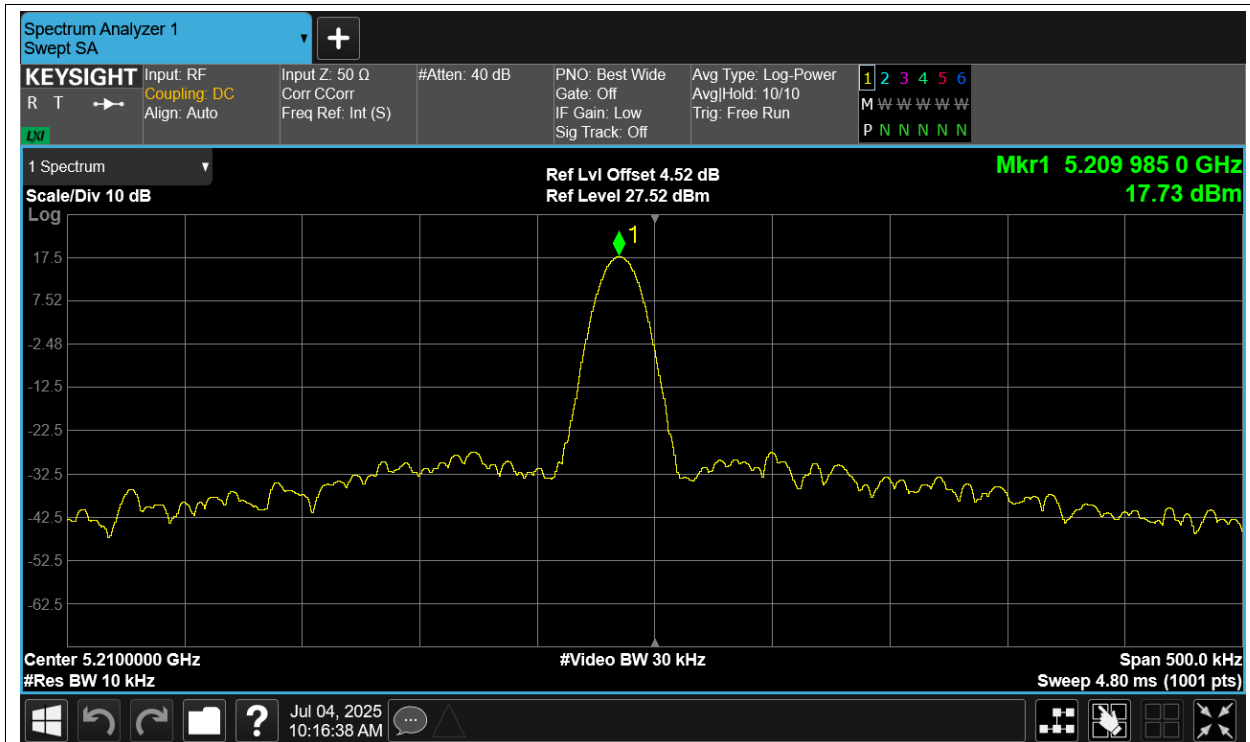
Freq. Stability NVNT a 5180MHz Ant1



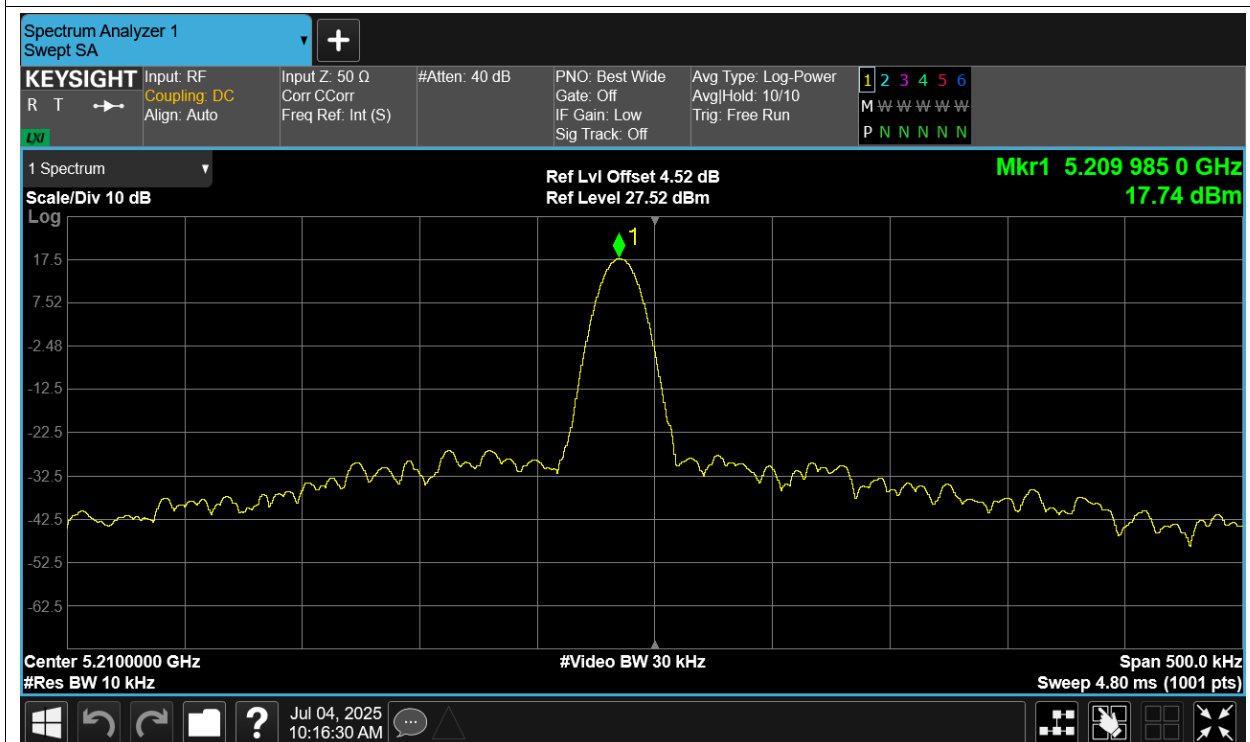
Freq. Stability HVNT ac80 5210MHz Ant1



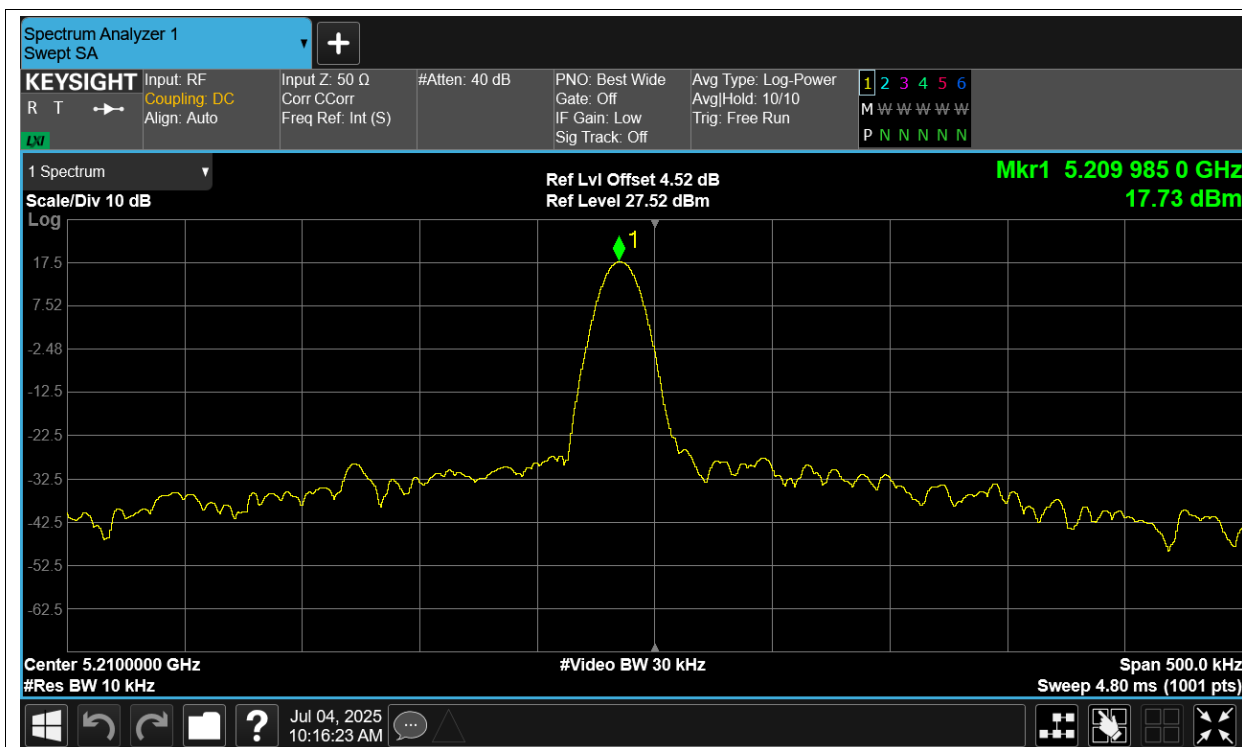
Freq. Stability LVNT ac80 5210MHz Ant1



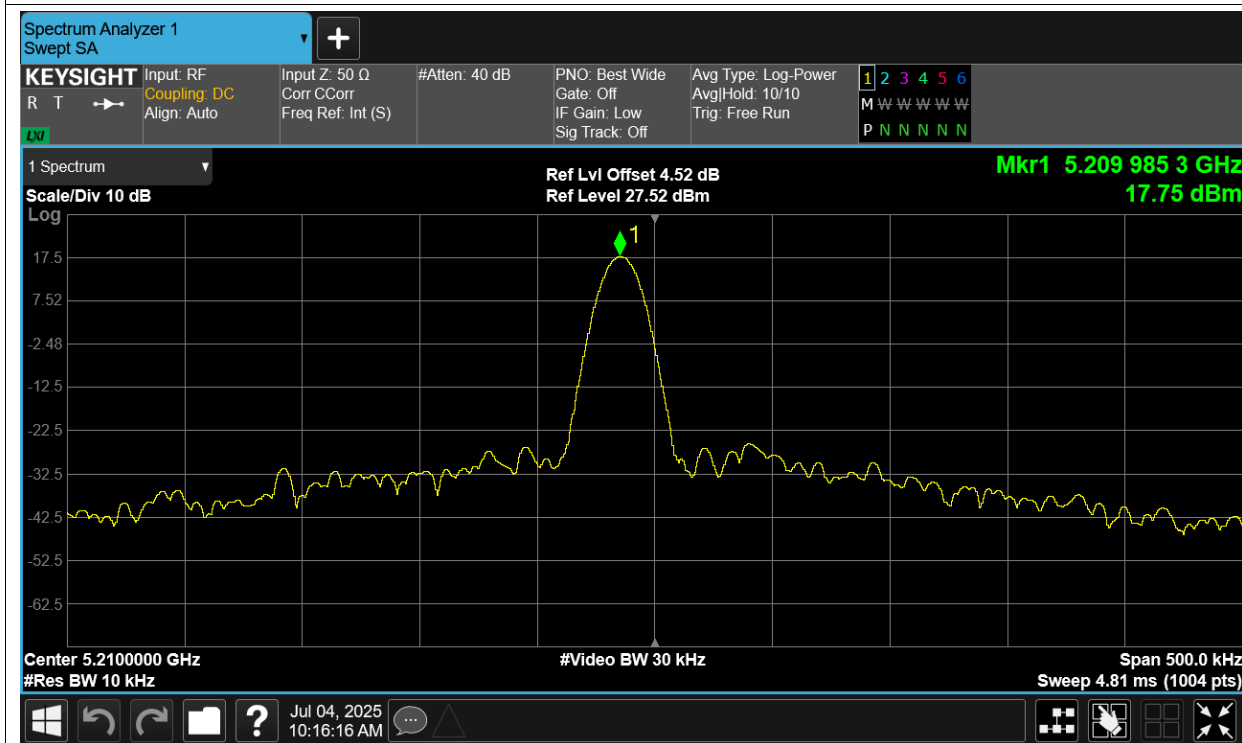
Freq. Stability NVHT ac80 5210MHz Ant1



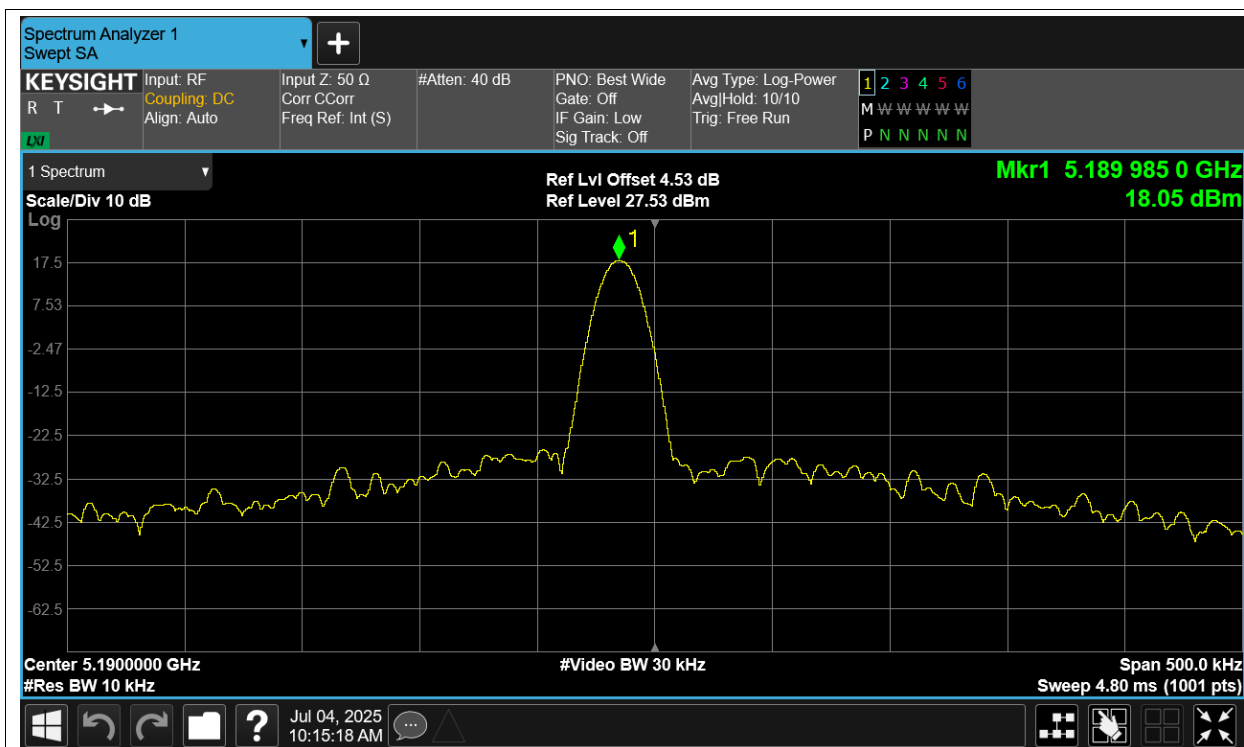
Freq. Stability NVLT ac80 5210MHz Ant1



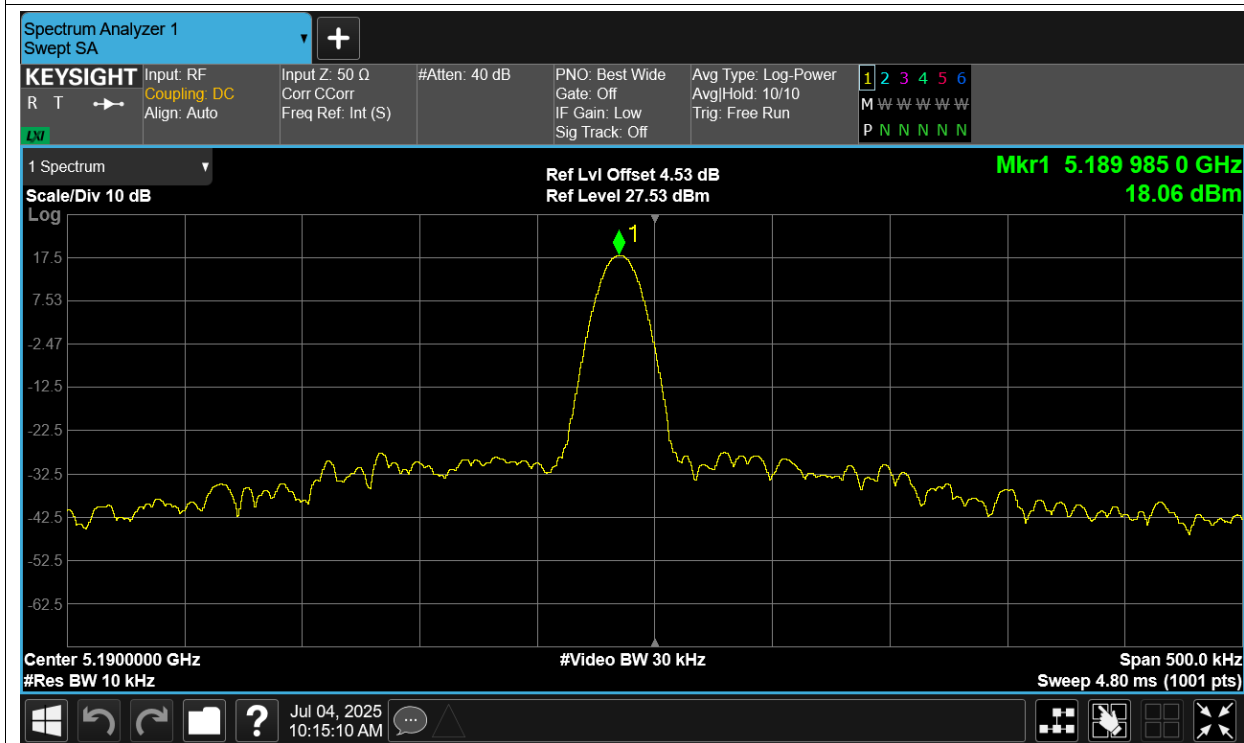
Freq. Stability NVNT ac80 5210MHz Ant1



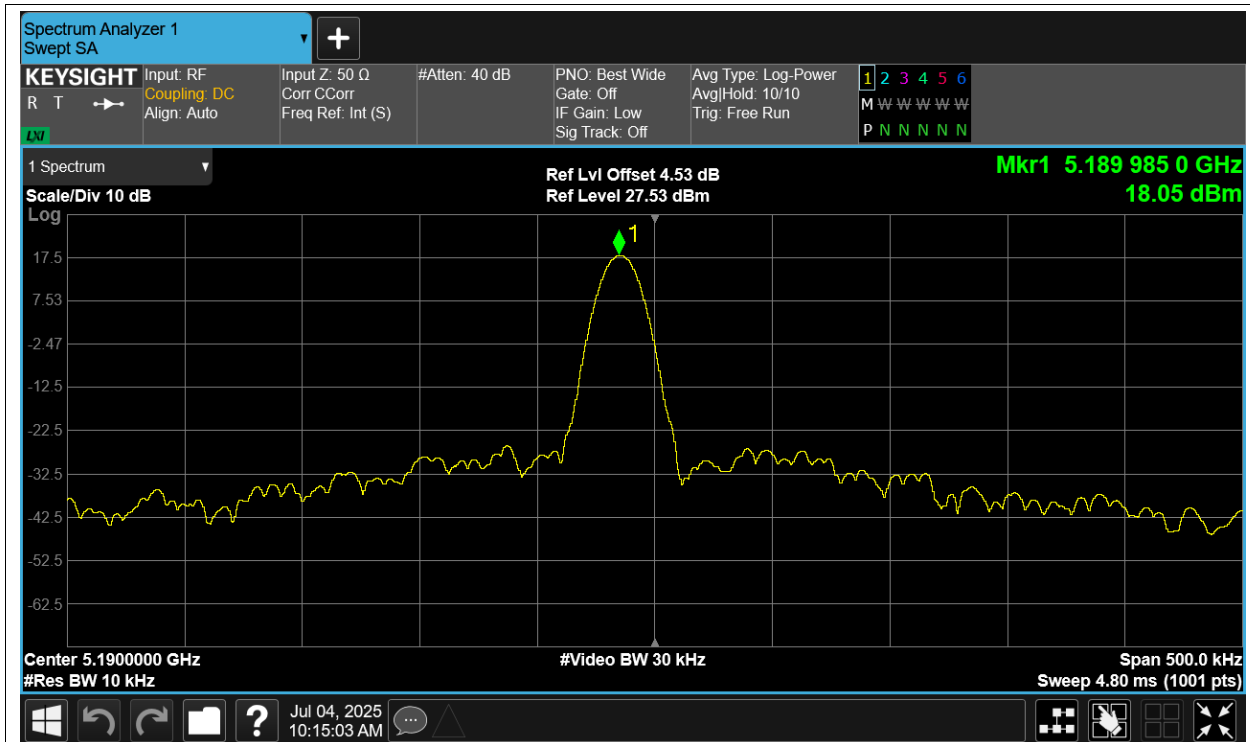
Freq. Stability HVNT n40 5190MHz Ant1



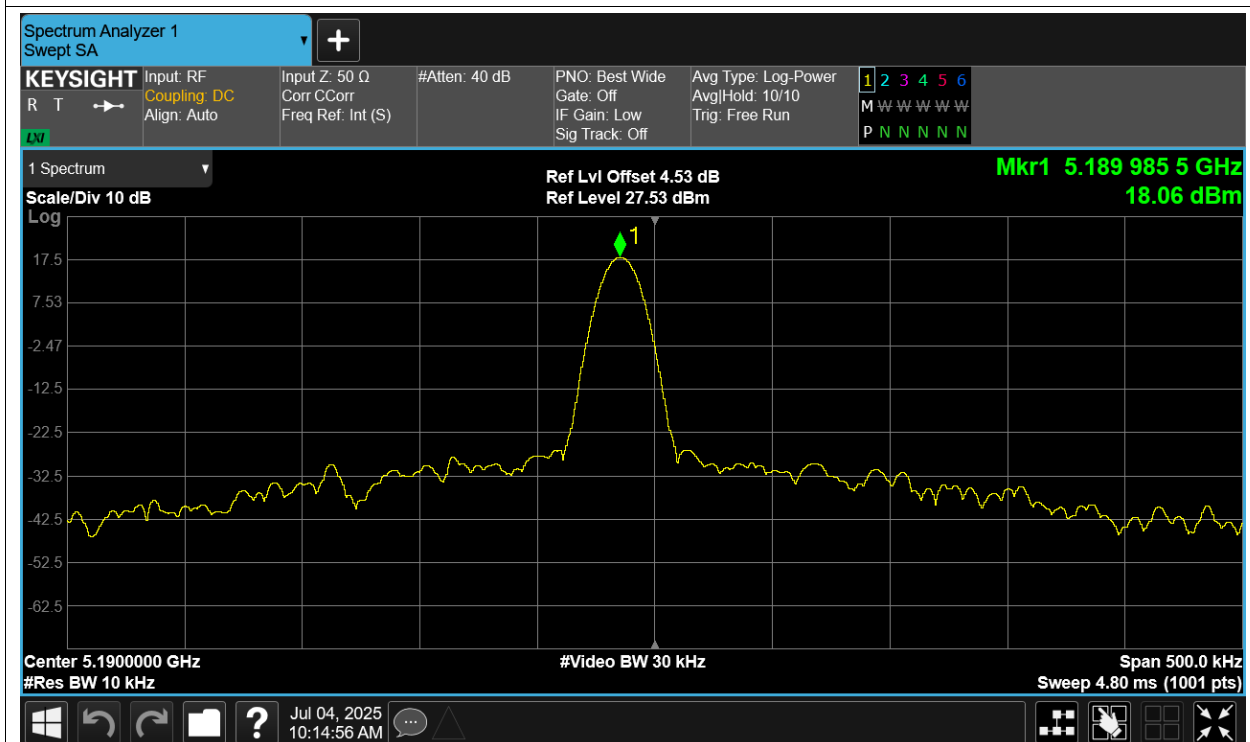
Freq. Stability LVNT n40 5190MHz Ant1



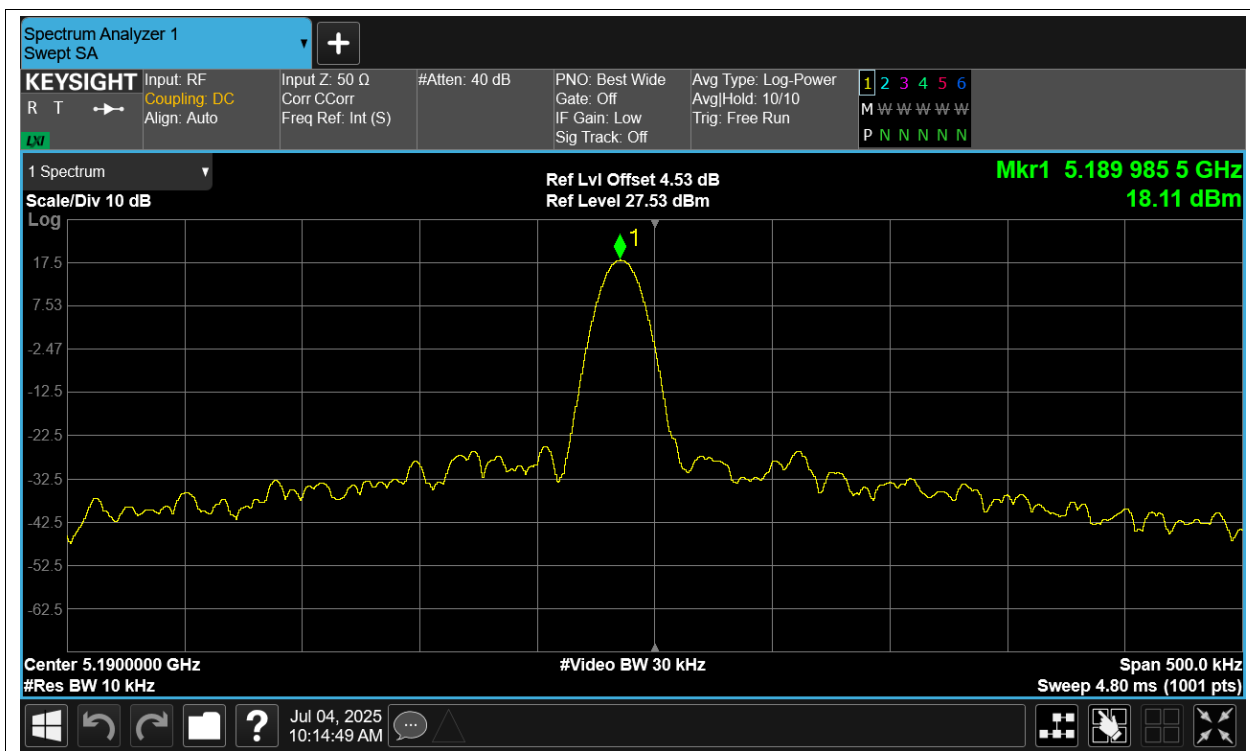
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1

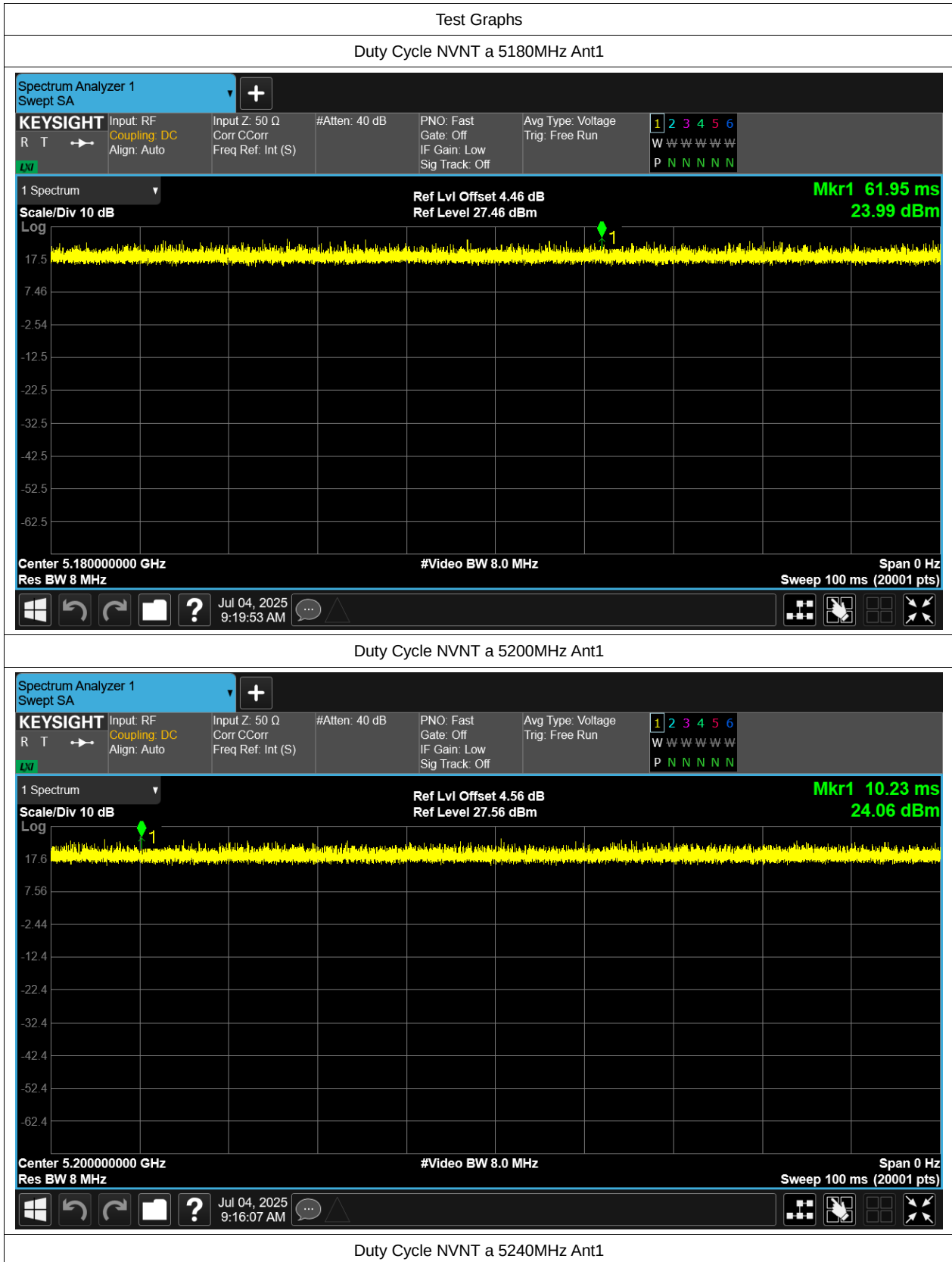


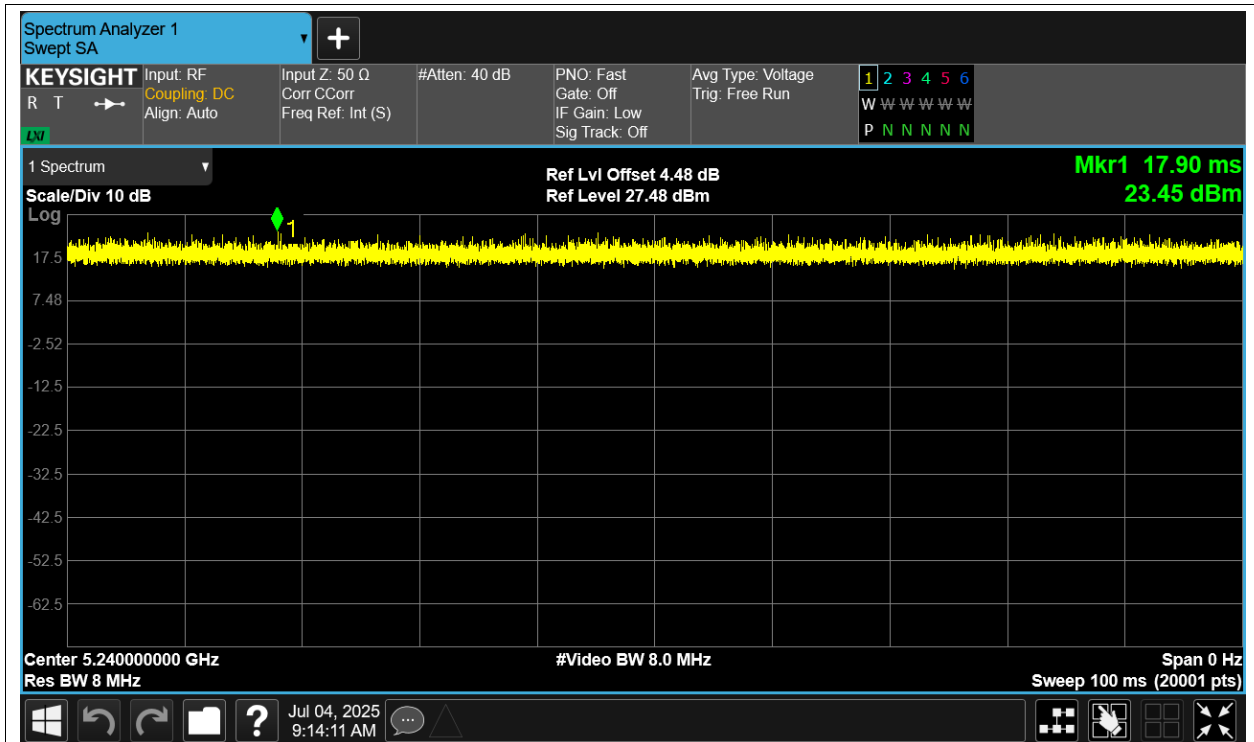
Freq. Stability NVNT n40 5190MHz Ant1



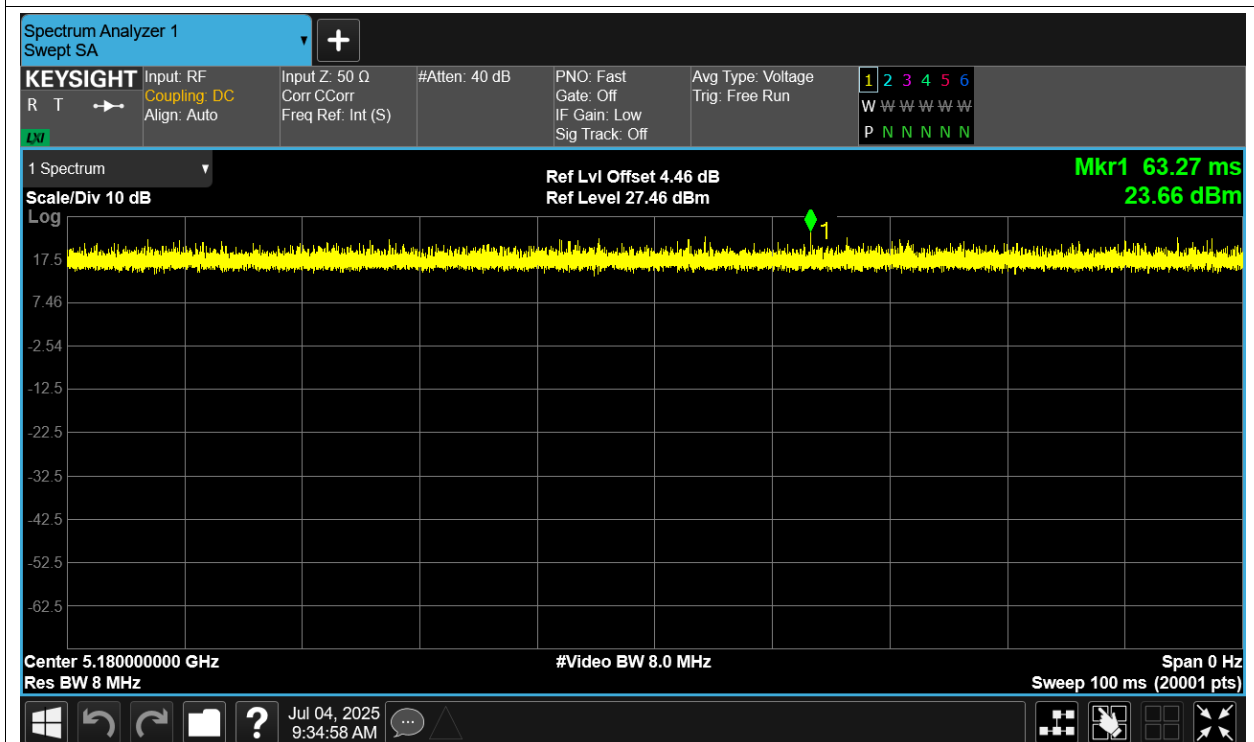
Duty Cycle

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

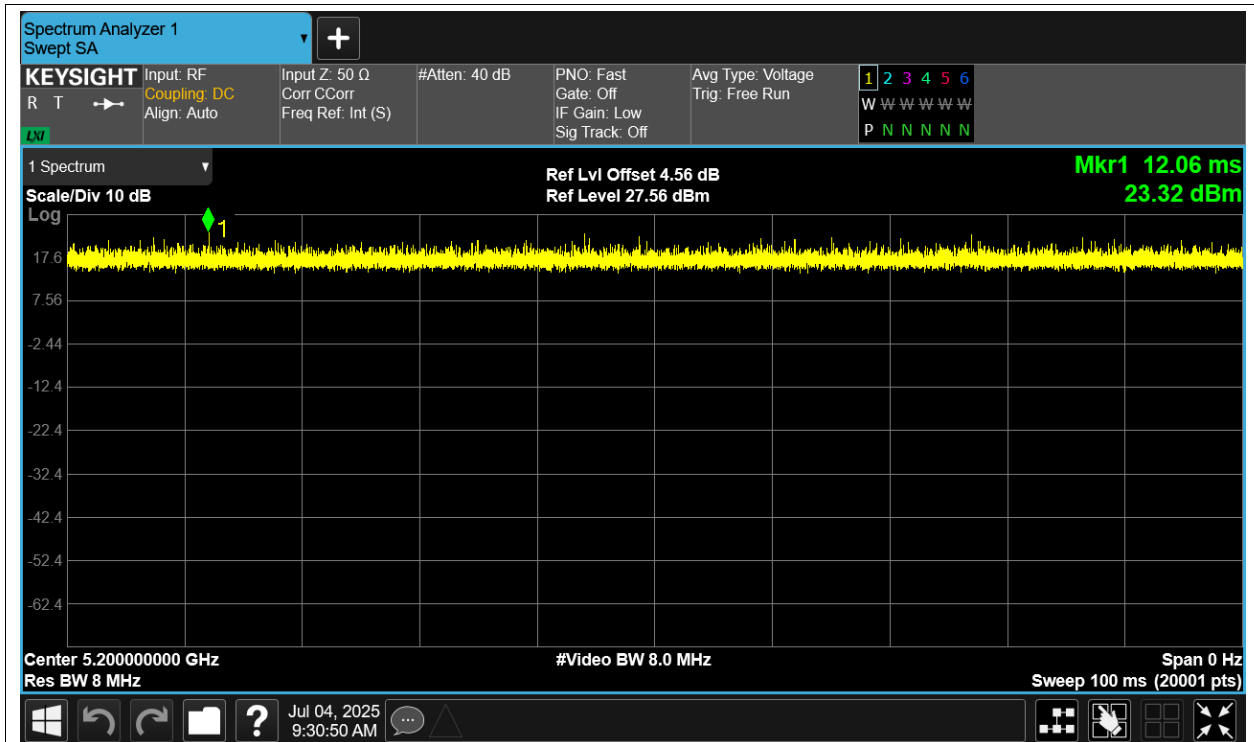




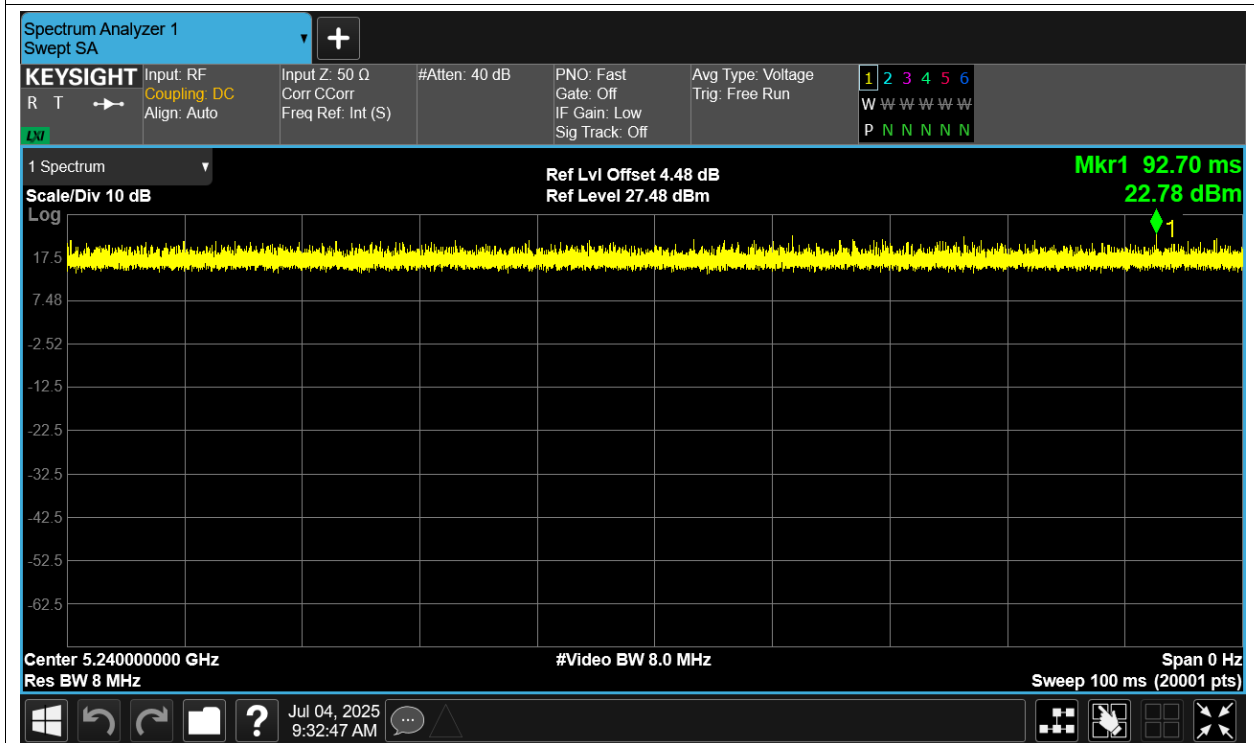
Duty Cycle NVNT ac20 5180MHz Ant1



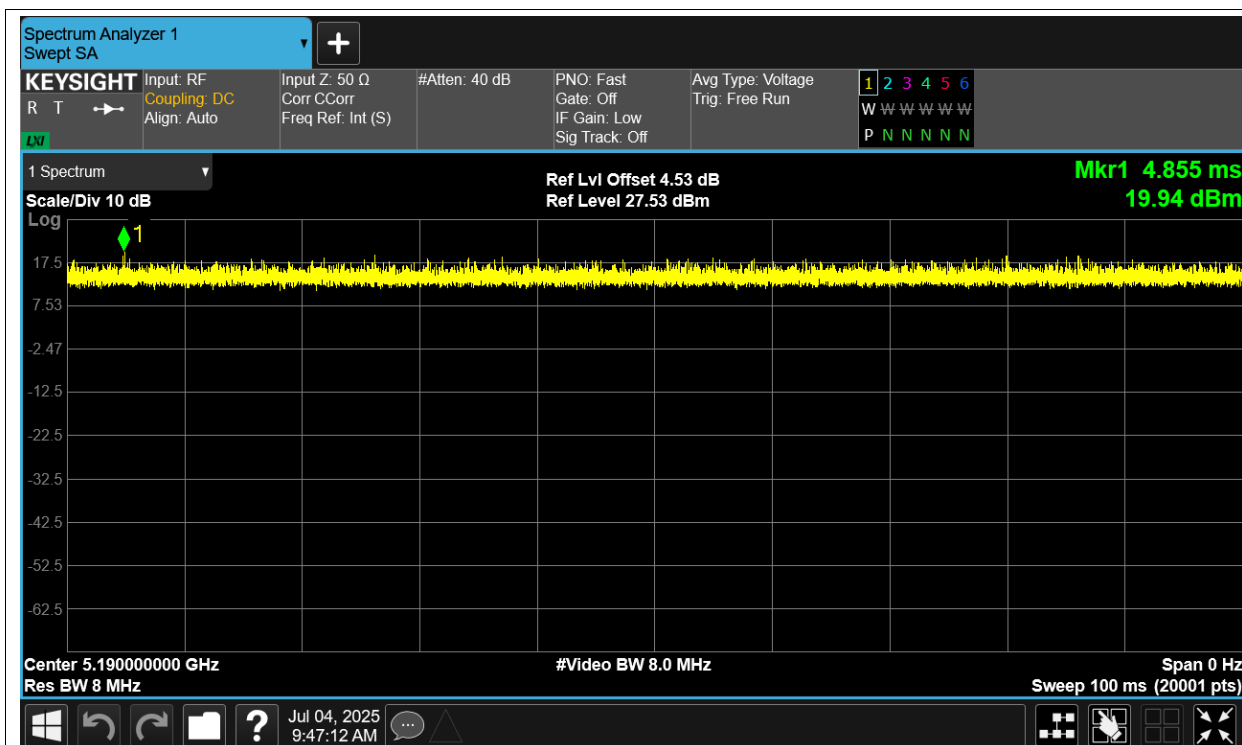
Duty Cycle NVNT ac20 5200MHz Ant1



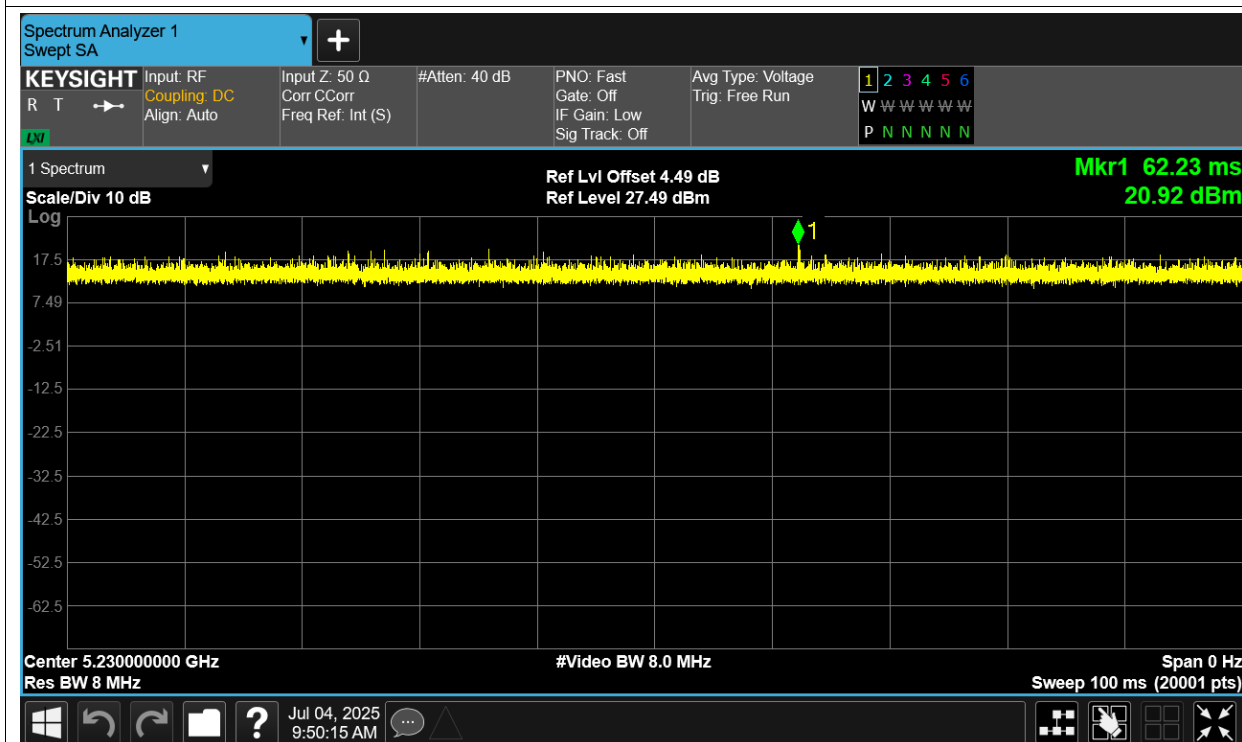
Duty Cycle NVNT ac20 5240MHz Ant1



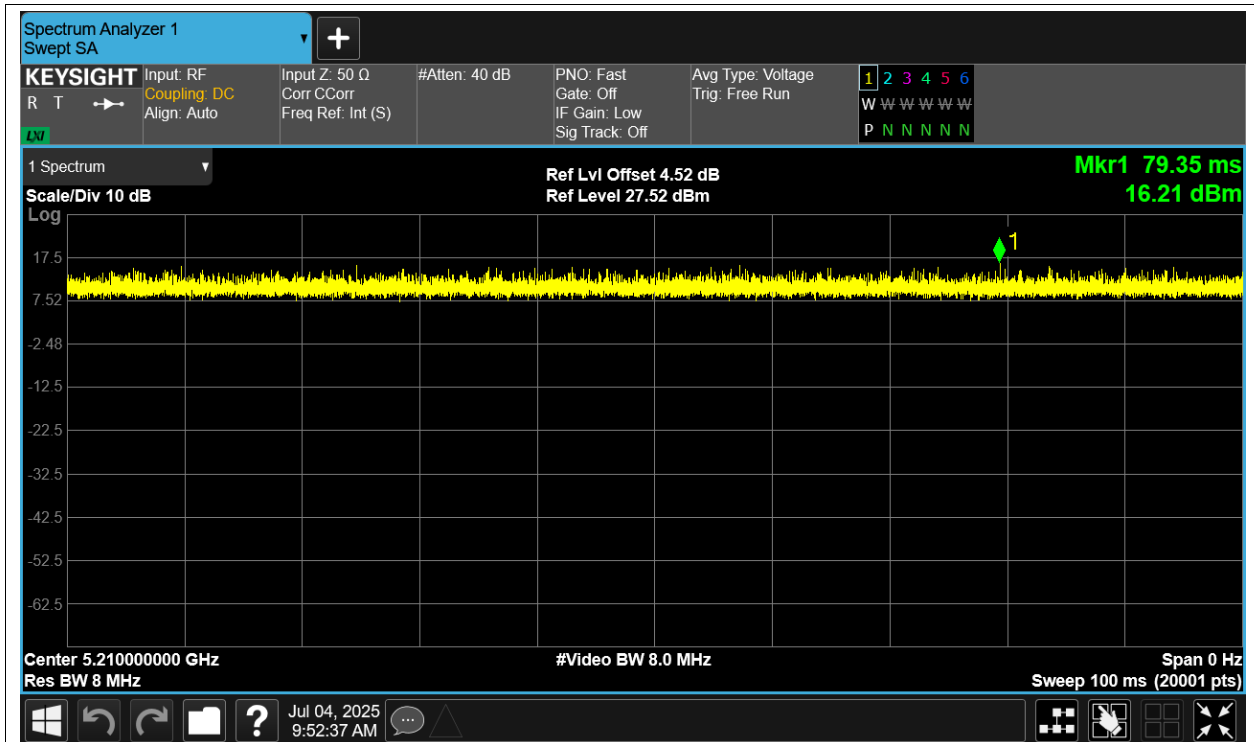
Duty Cycle NVNT ac40 5190MHz Ant1



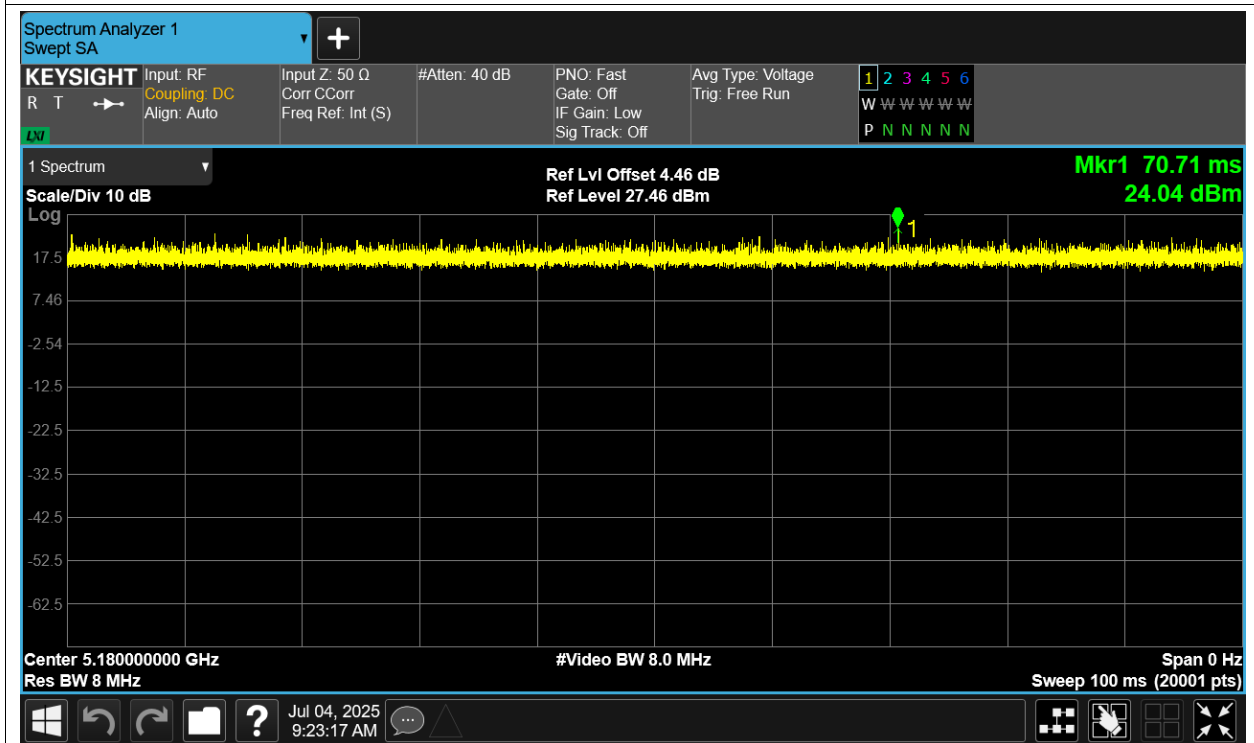
Duty Cycle NVNT ac40 5230MHz Ant1



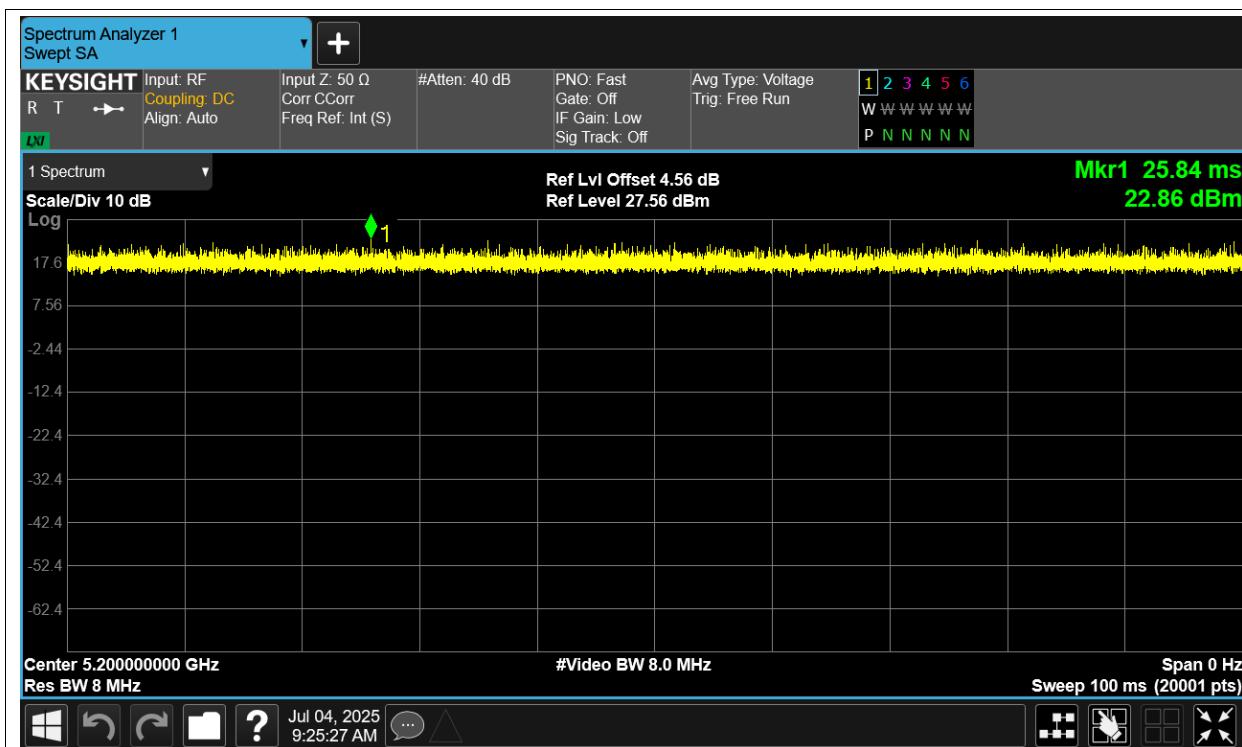
Duty Cycle NVNT ac80 5210MHz Ant1



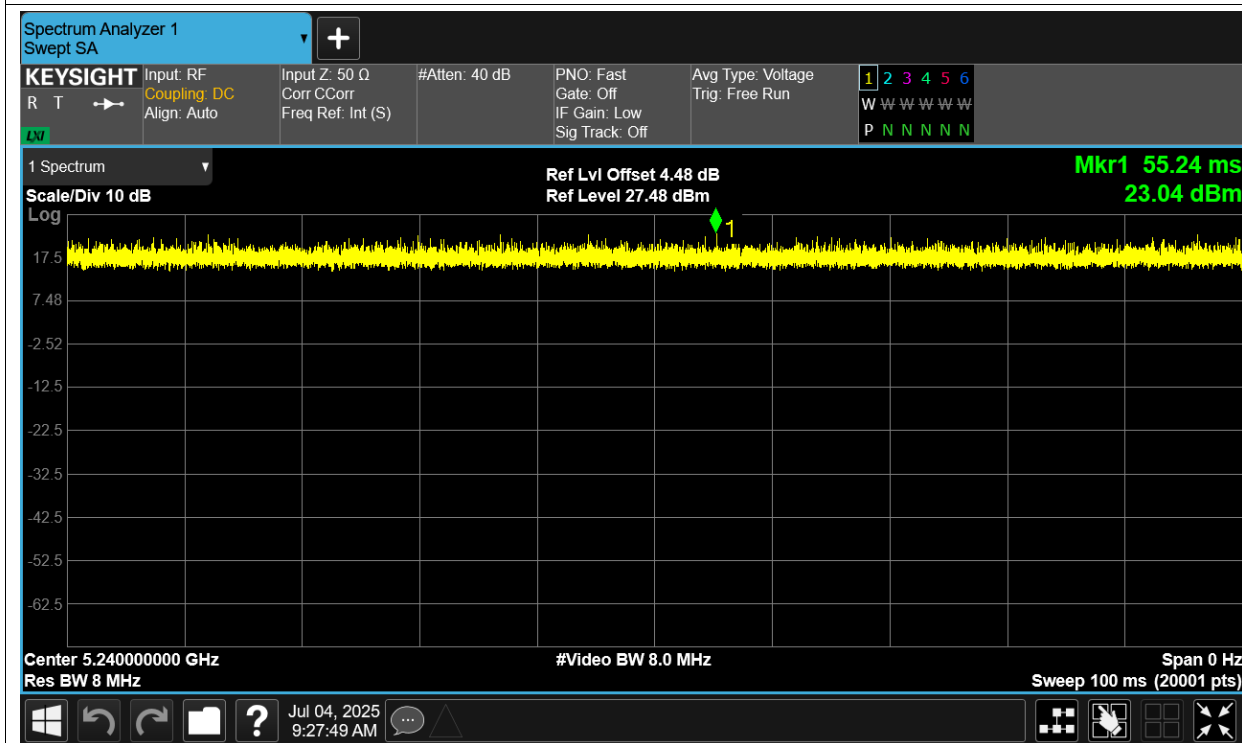
Duty Cycle NVNT n20 5180MHz Ant1



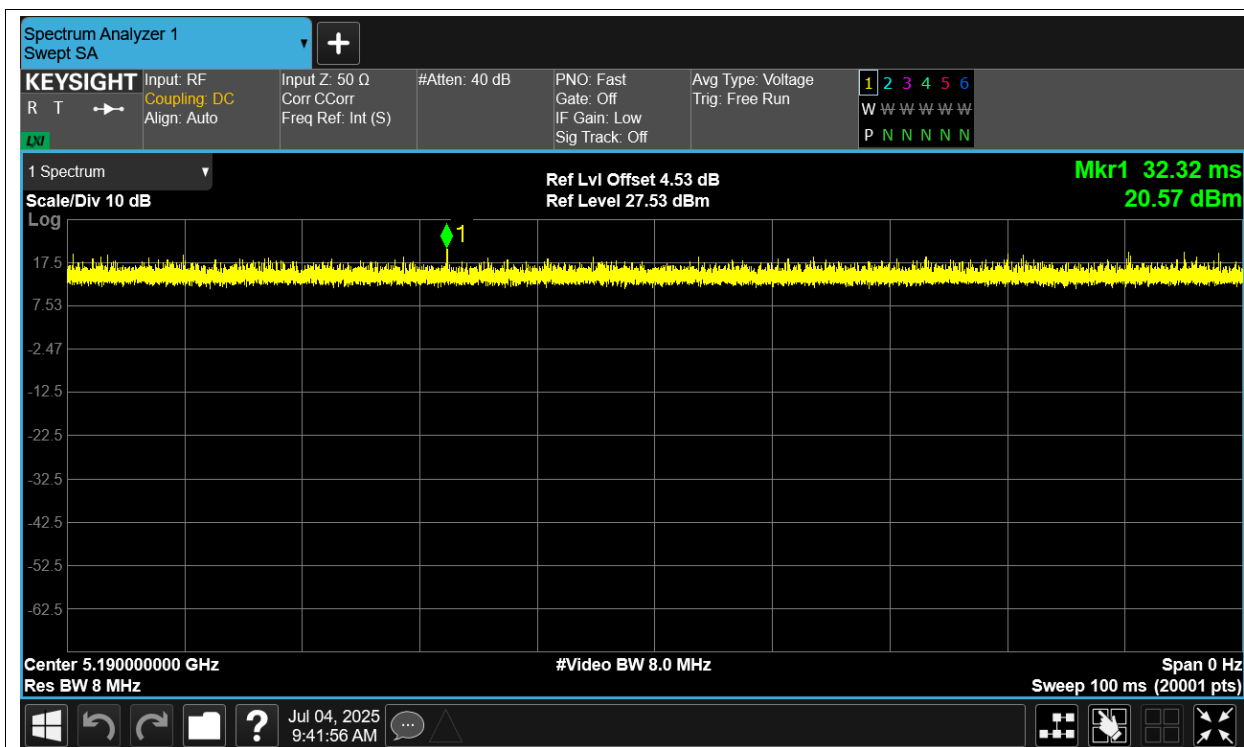
Duty Cycle NVNT n20 5200MHz Ant1



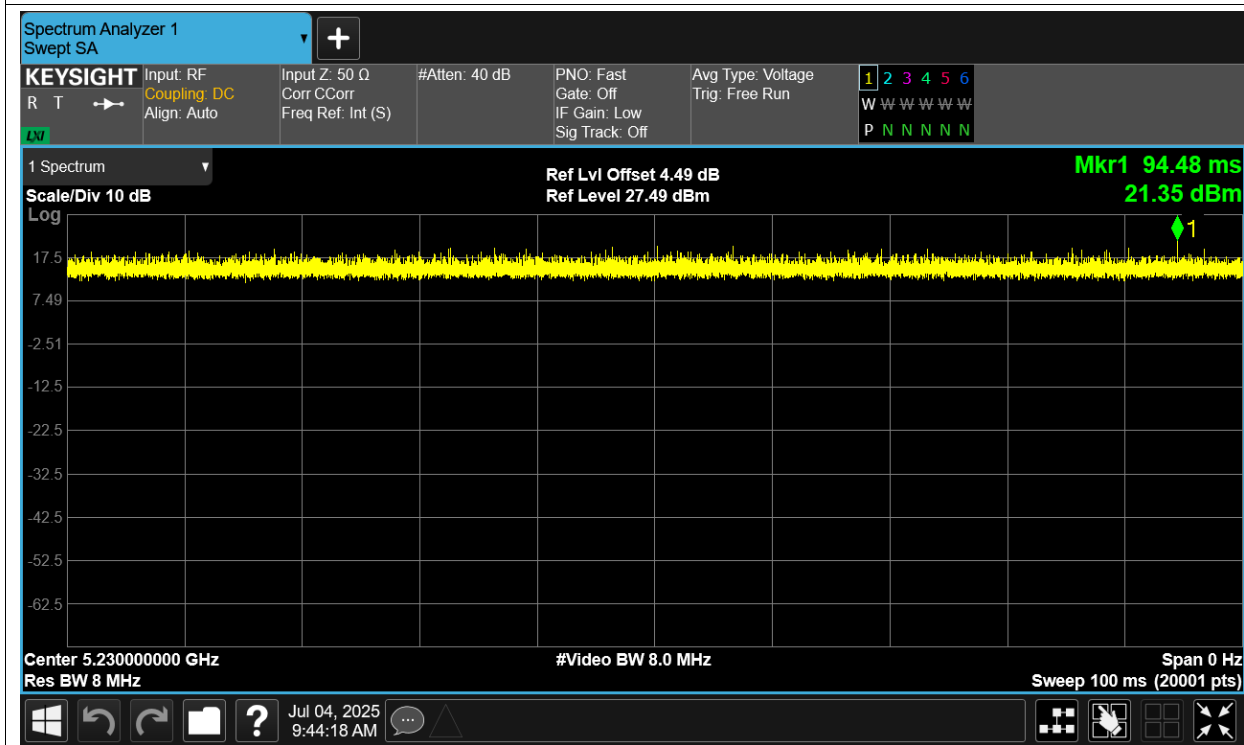
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

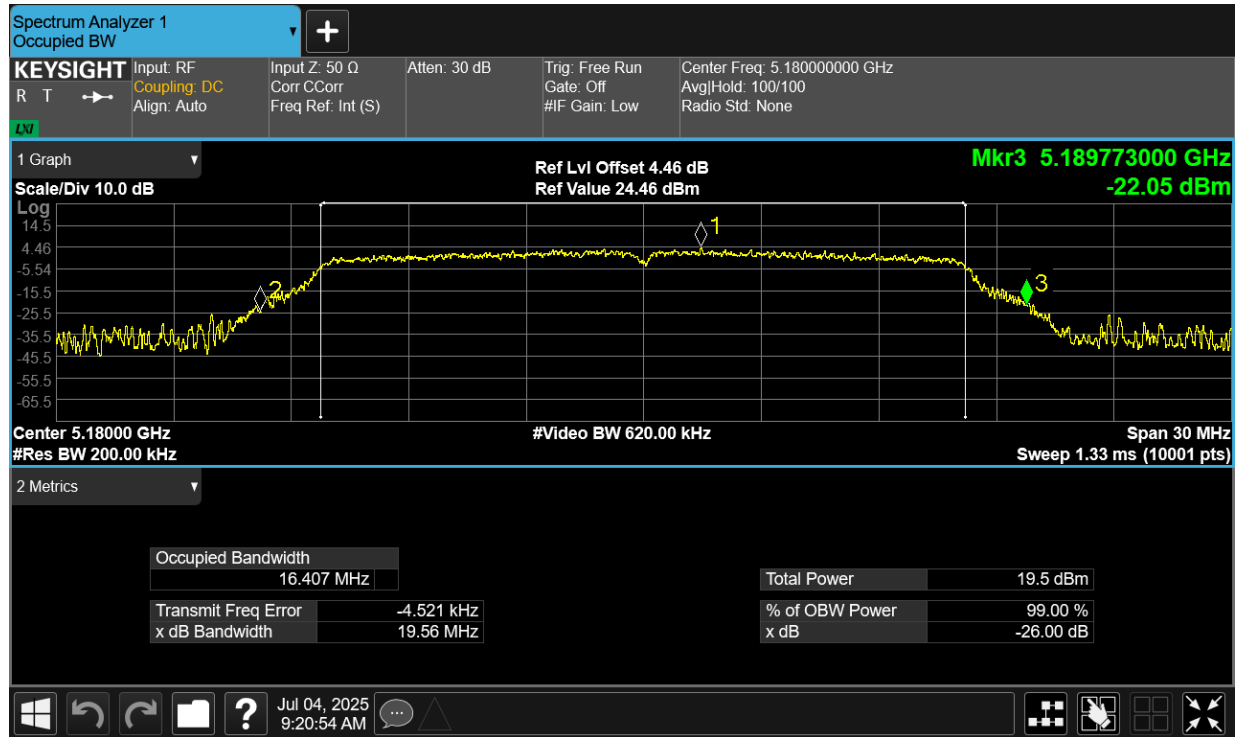
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	14.27	0	14.27	24	Pass
NVNT	a	5200	Ant1	14.67	0	14.67	24	Pass
NVNT	a	5240	Ant1	14.39	0	14.39	24	Pass
NVNT	ac20	5180	Ant1	13.24	0	13.24	24	Pass
NVNT	ac20	5200	Ant1	13.48	0	13.48	24	Pass
NVNT	ac20	5240	Ant1	13.3	0	13.3	24	Pass
NVNT	ac40	5190	Ant1	13.26	0	13.26	23	Pass
NVNT	ac40	5230	Ant1	12.82	0	12.82	24	Pass
NVNT	ac80	5210	Ant1	12.96	0	12.96	24	Pass
NVNT	n20	5180	Ant1	13.63	0	13.63	24	Pass
NVNT	n20	5200	Ant1	13.96	0	13.96	24	Pass
NVNT	n20	5240	Ant1	13.68	0	13.68	24	Pass
NVNT	n40	5190	Ant1	13.48	0	13.48	24	Pass
NVNT	n40	5230	Ant1	13.41	0	13.41	24	Pass

-26dB Bandwidth

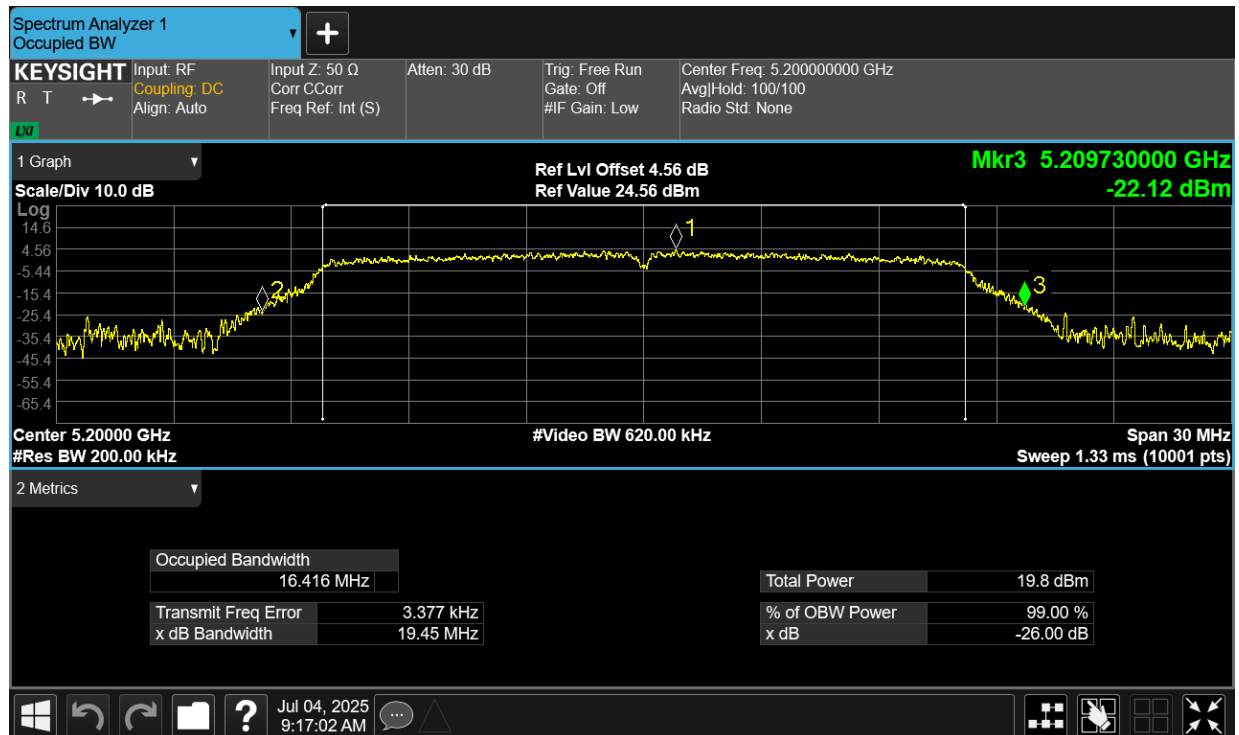
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	19.556
NVNT	a	5200	Ant1	19.453
NVNT	a	5240	Ant1	19.802
NVNT	ac20	5180	Ant1	20.103
NVNT	ac20	5200	Ant1	20.045
NVNT	ac20	5240	Ant1	20.123
NVNT	ac40	5190	Ant1	40.104
NVNT	ac40	5230	Ant1	40.246
NVNT	ac80	5210	Ant1	79.716
NVNT	n20	5180	Ant1	20.2
NVNT	n20	5200	Ant1	20.197
NVNT	n20	5240	Ant1	20.201
NVNT	n40	5190	Ant1	40.213
NVNT	n40	5230	Ant1	39.968

Test Graphs

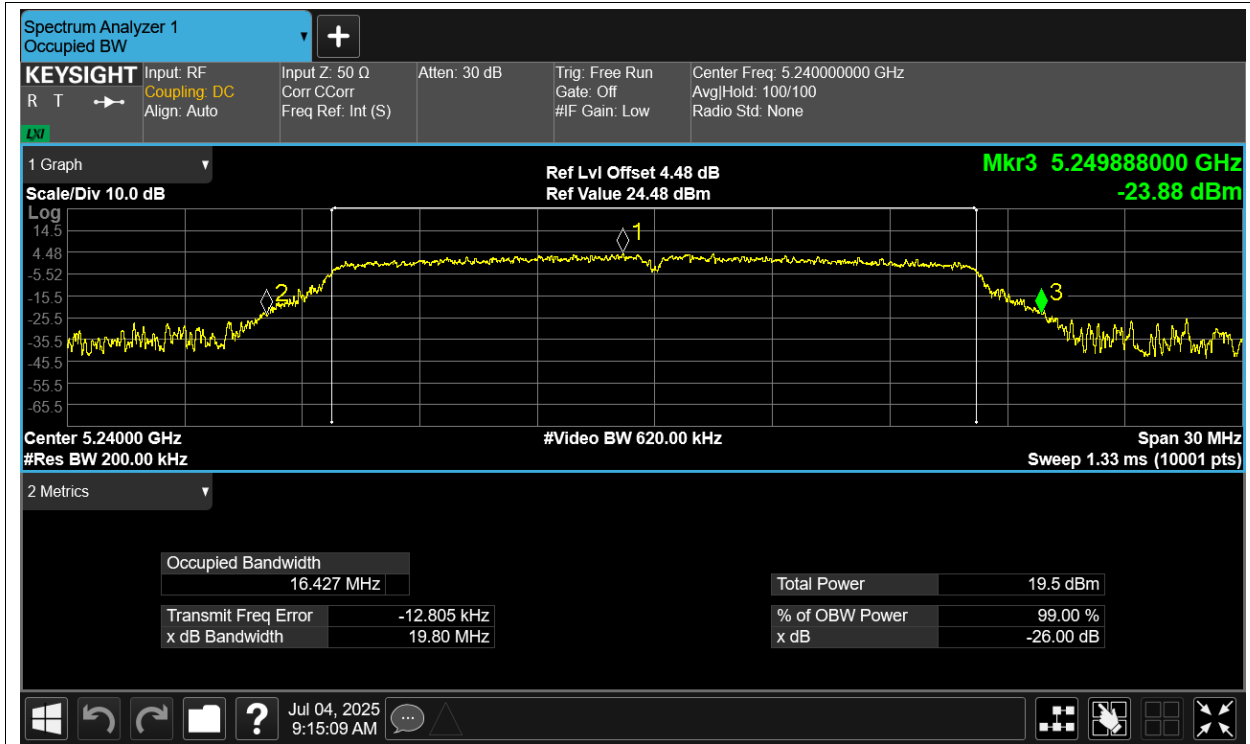
-26dB Bandwidth NVNT a 5180MHz Ant1



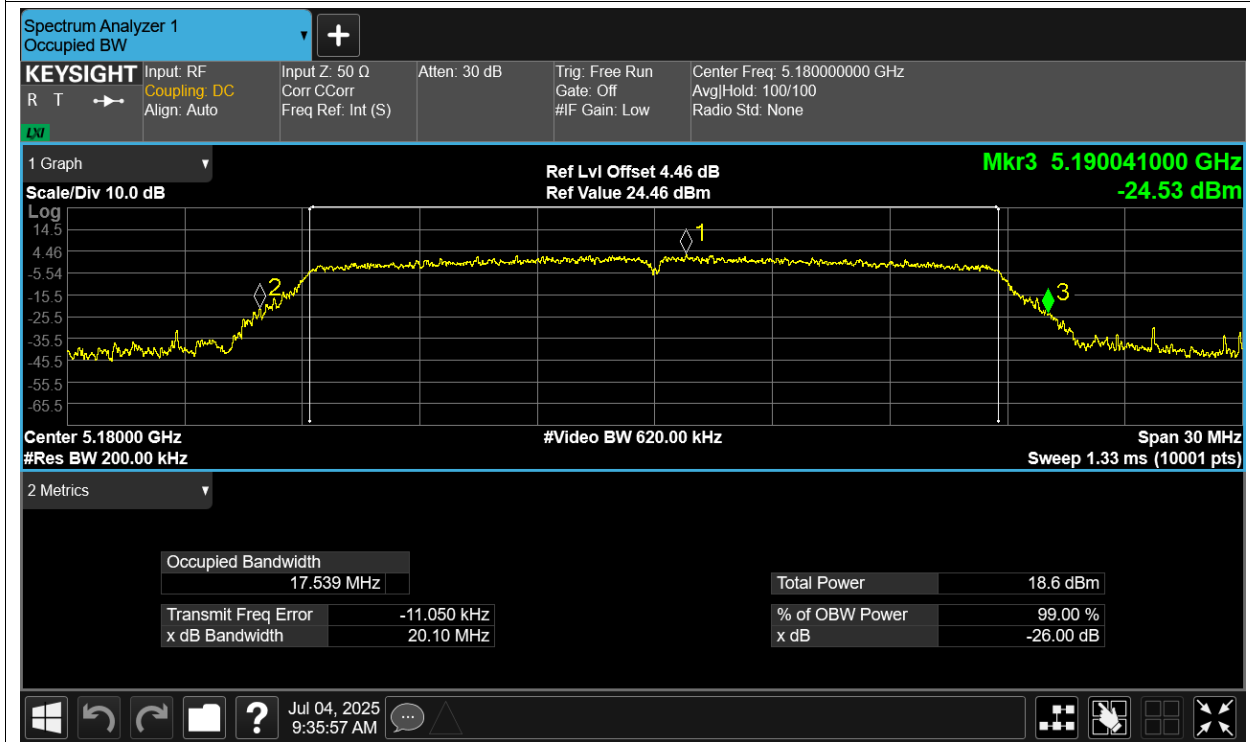
-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1



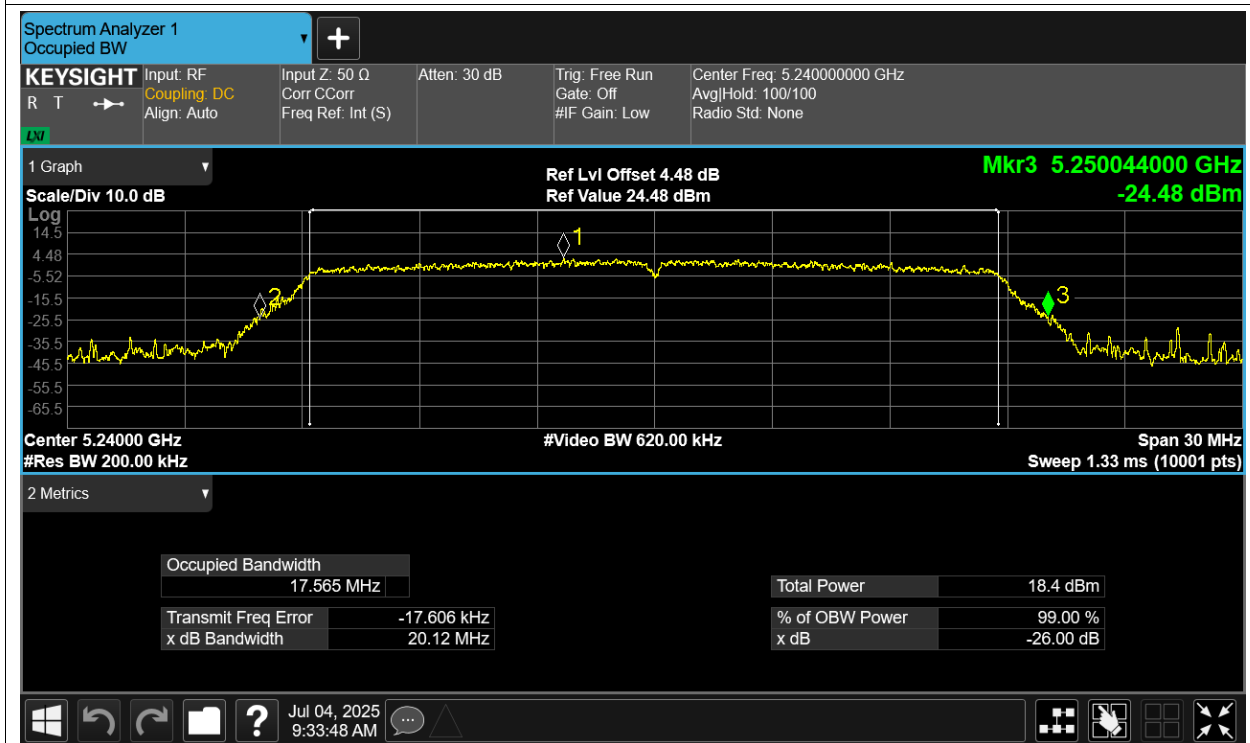
-26dB Bandwidth NVNT ac20 5180MHz Ant1



-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

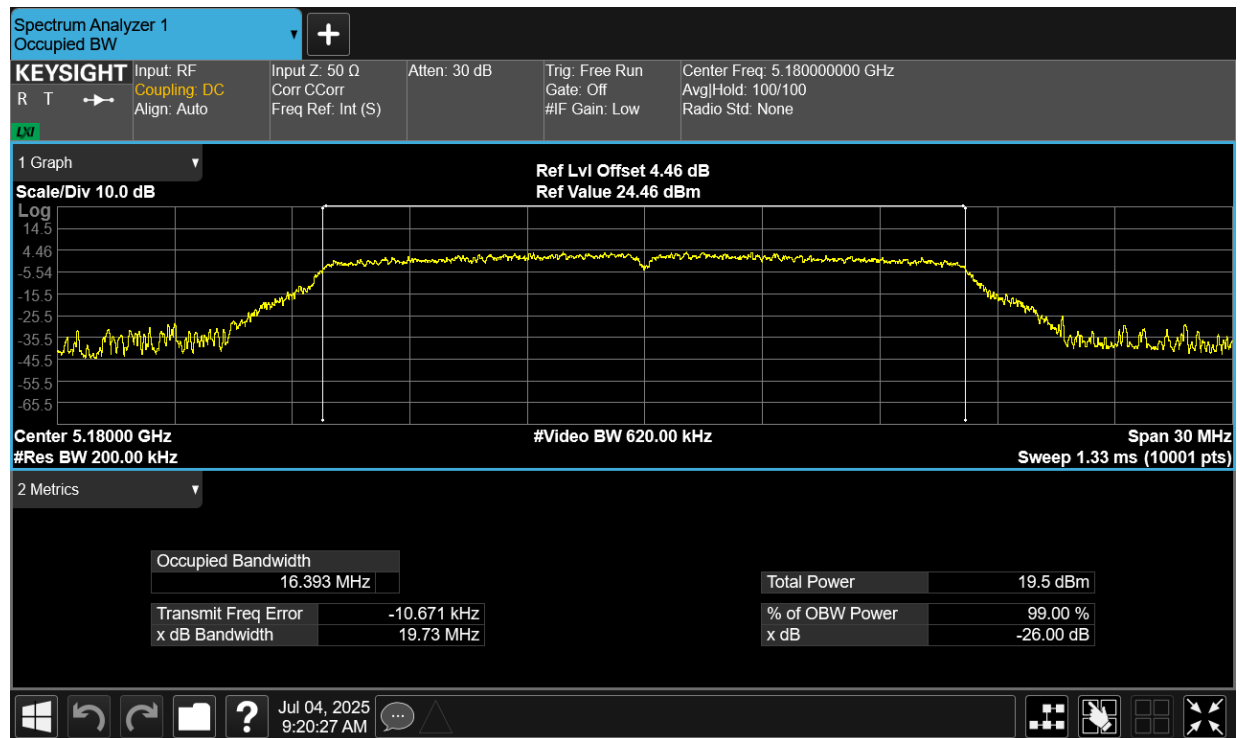


Occupied Channel Bandwidth

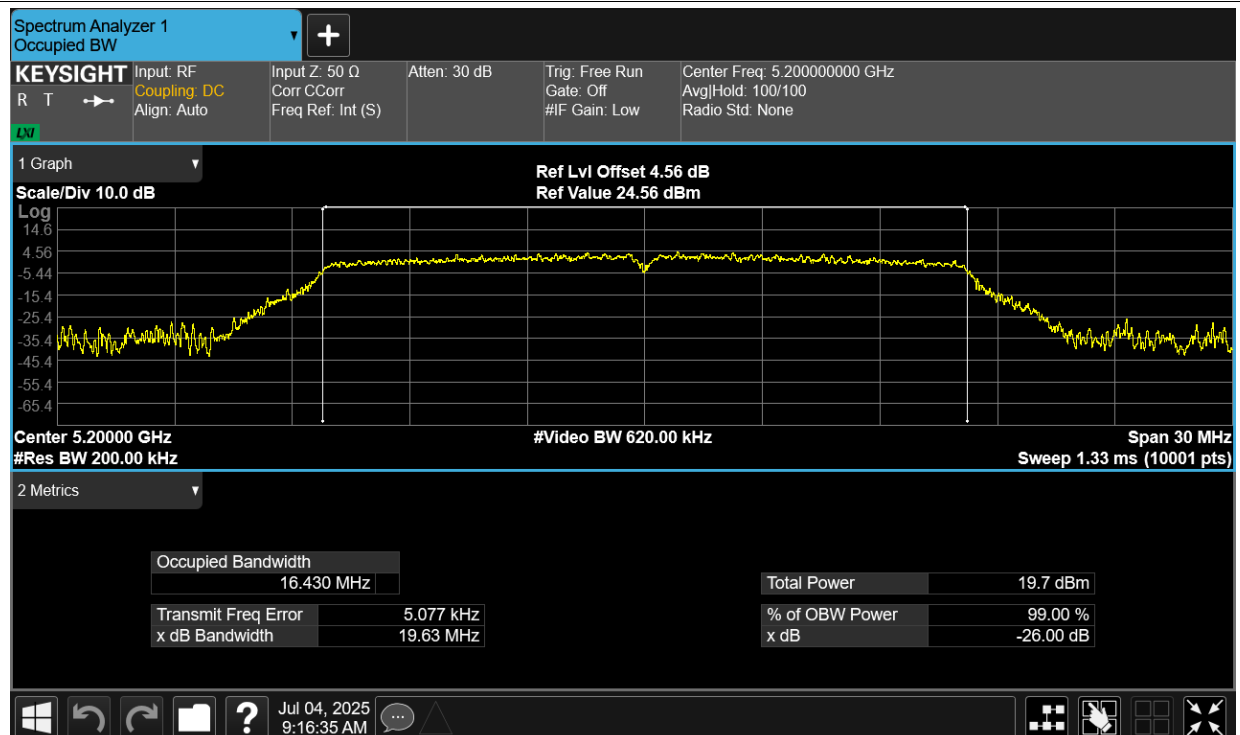
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.393
NVNT	a	5200	Ant1	16.43
NVNT	a	5240	Ant1	16.431
NVNT	ac20	5180	Ant1	17.552
NVNT	ac20	5200	Ant1	17.568
NVNT	ac20	5240	Ant1	17.578
NVNT	ac40	5190	Ant1	35.925
NVNT	ac40	5230	Ant1	35.915
NVNT	ac80	5210	Ant1	75.14
NVNT	n20	5180	Ant1	17.558
NVNT	n20	5200	Ant1	17.57
NVNT	n20	5240	Ant1	17.566
NVNT	n40	5190	Ant1	35.915
NVNT	n40	5230	Ant1	35.939

Test Graphs

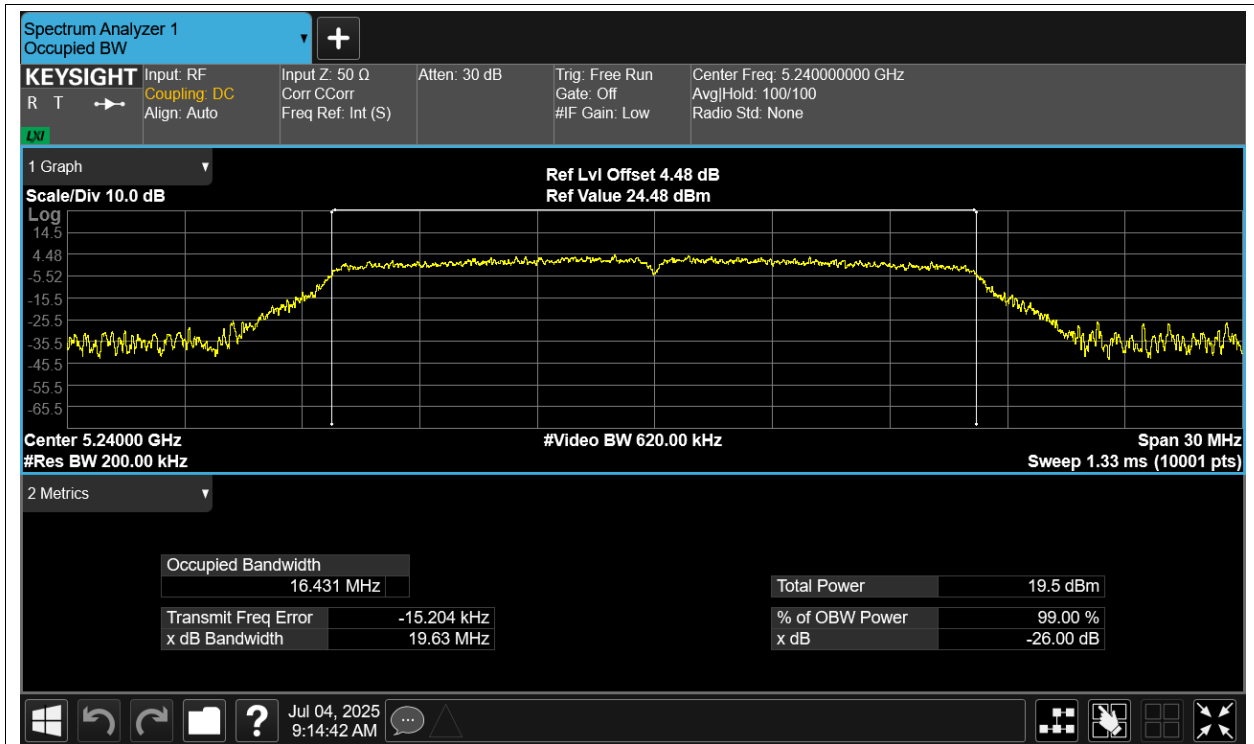
OBW NVNT a 5180MHz Ant1



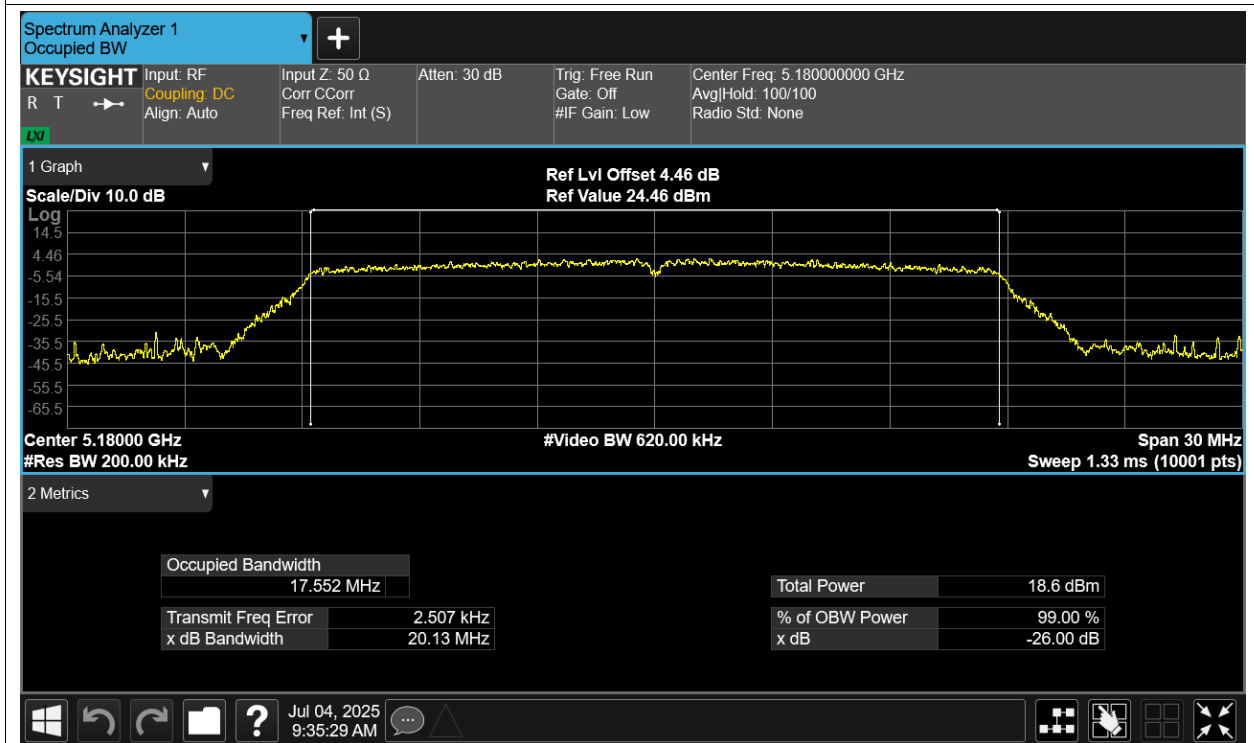
OBW NVNT a 5200MHz Ant1



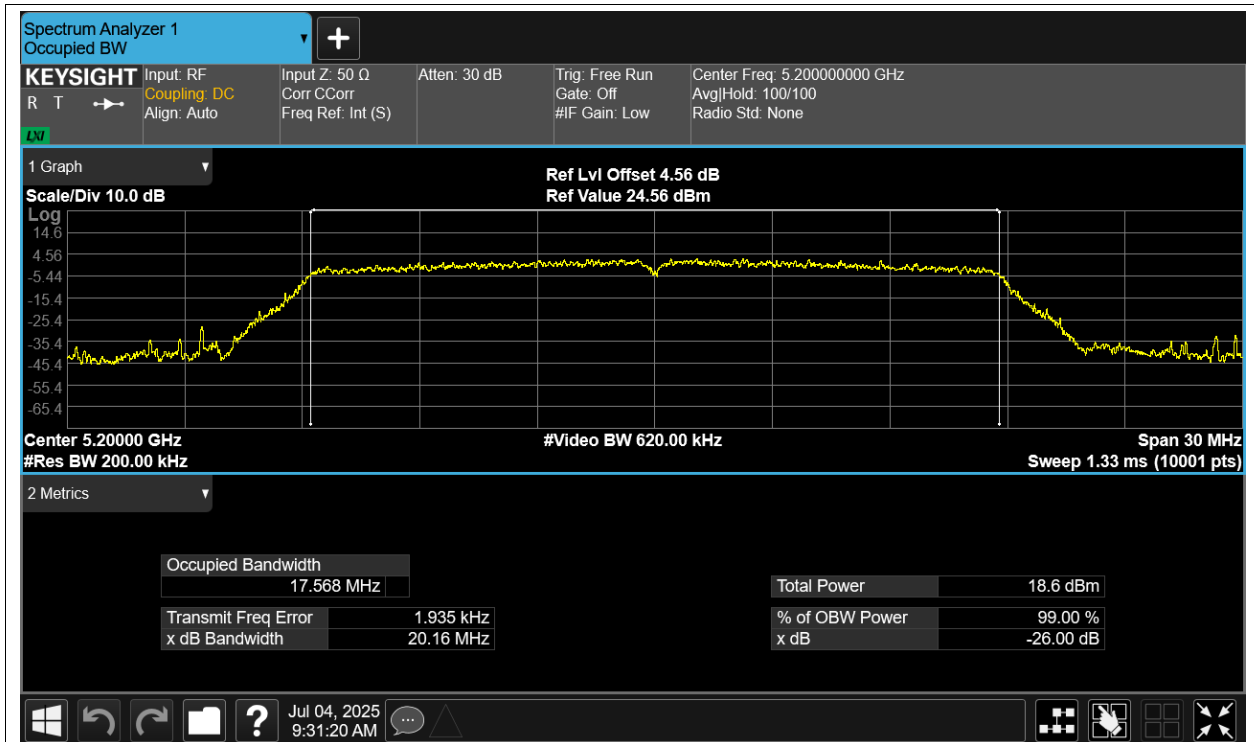
OBW NVNT a 5240MHz Ant1



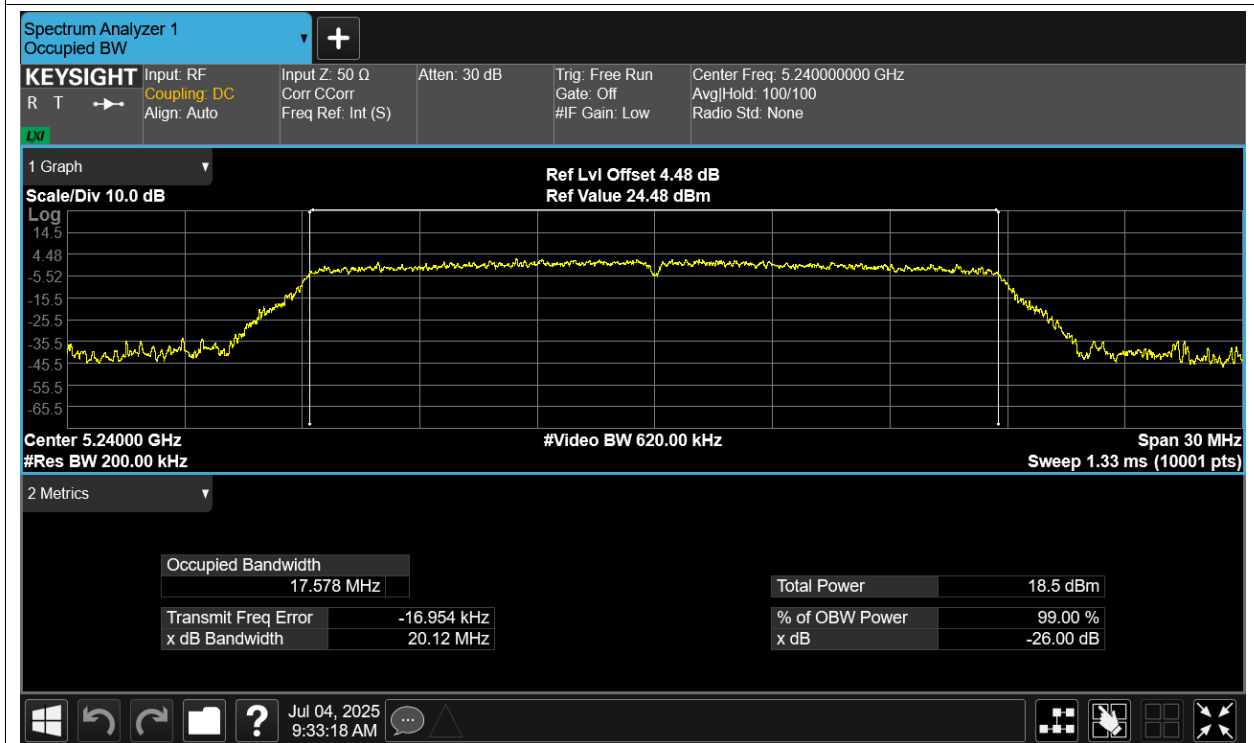
OBW NVNT ac20 5180MHz Ant1



OBW NVNT ac20 5200MHz Ant1



OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



OBW NVNT ac40 5230MHz Ant1



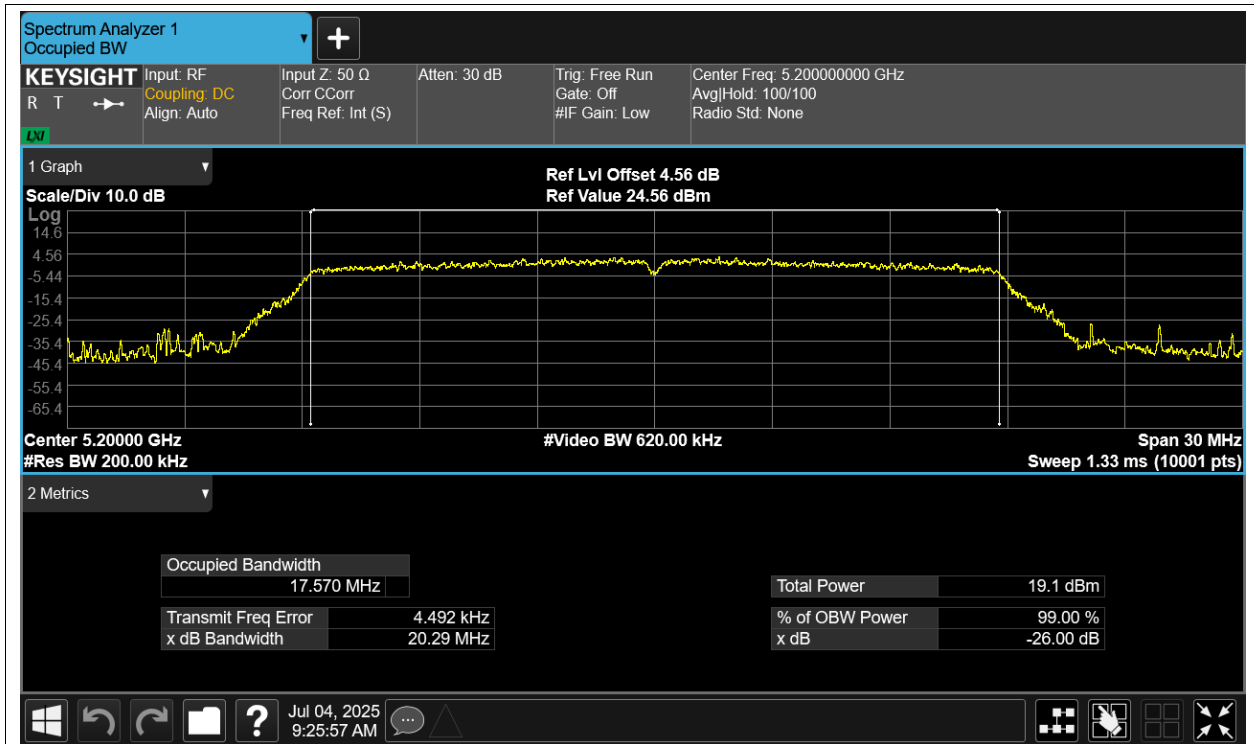
OBW NVNT ac80 5210MHz Ant1



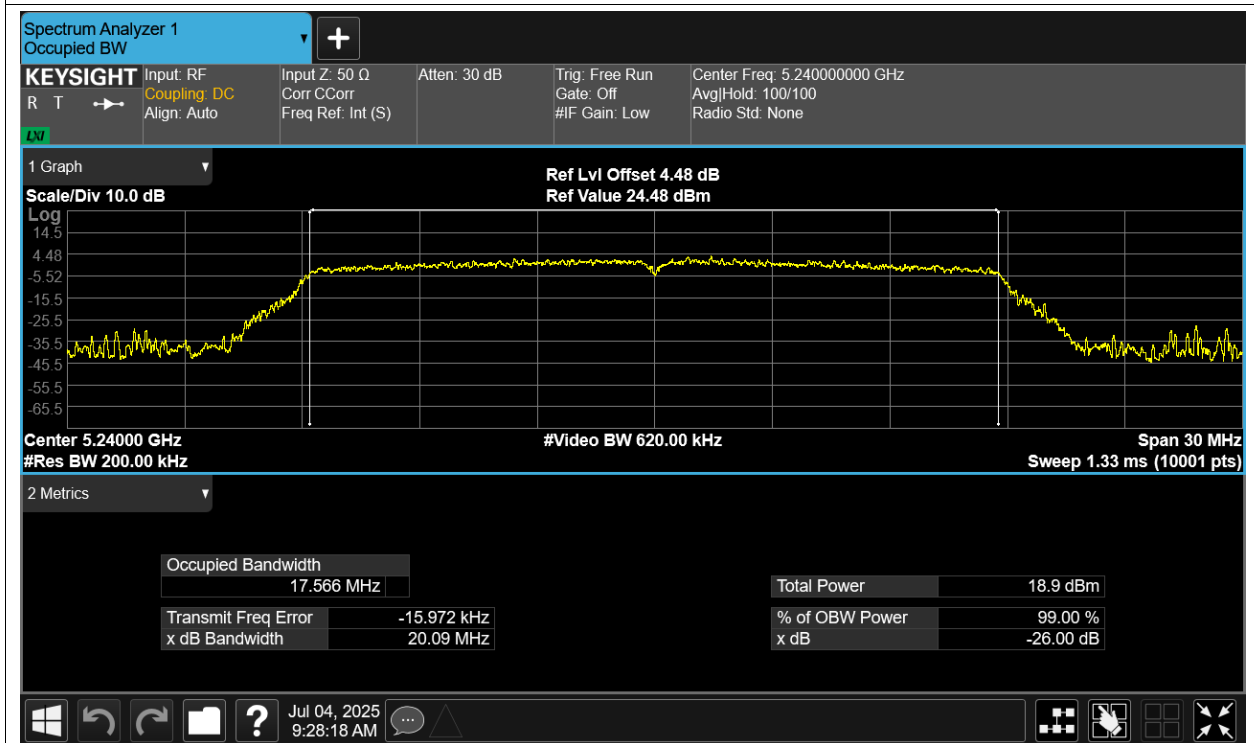
OBW NVNT n20 5180MHz Ant1



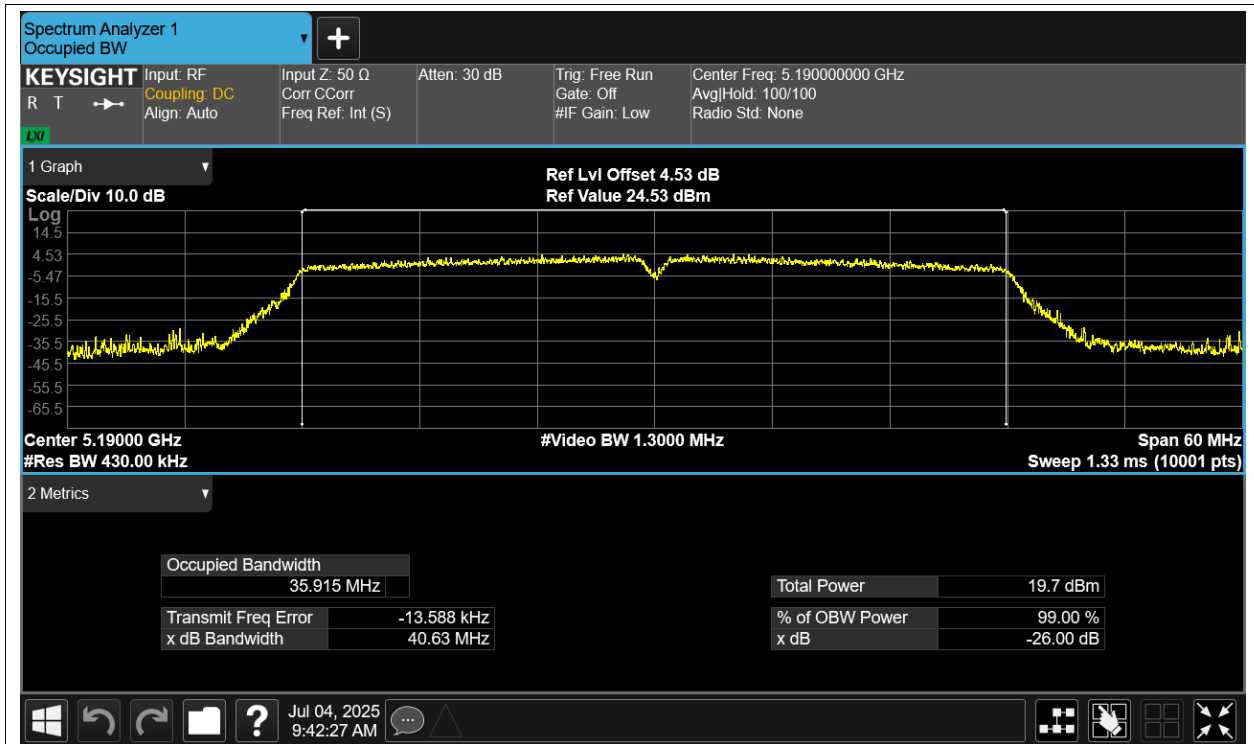
OBW NVNT n20 5200MHz Ant1



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	Max PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	4.952	0	4.952	11	Pass
NVNT	a	5200	Ant1	4.578	0	4.578	11	Pass
NVNT	a	5240	Ant1	4.608	0	4.608	11	Pass
NVNT	ac20	5180	Ant1	3.383	0	3.383	11	Pass
NVNT	ac20	5200	Ant1	3.22	0	3.22	11	Pass
NVNT	ac20	5240	Ant1	3.064	0	3.064	11	Pass
NVNT	ac40	5190	Ant1	1.149	0	1.149	11	Pass
NVNT	ac40	5230	Ant1	1.257	0	1.257	11	Pass
NVNT	ac80	5210	Ant1	-2.571	0	-2.571	11	Pass
NVNT	n20	5180	Ant1	3.689	0	3.689	11	Pass
NVNT	n20	5200	Ant1	3.678	0	3.678	11	Pass
NVNT	n20	5240	Ant1	3.572	0	3.572	11	Pass
NVNT	n40	5190	Ant1	1.436	0	1.436	11	Pass
NVNT	n40	5230	Ant1	1.513	0	1.513	11	Pass

Test Graphs

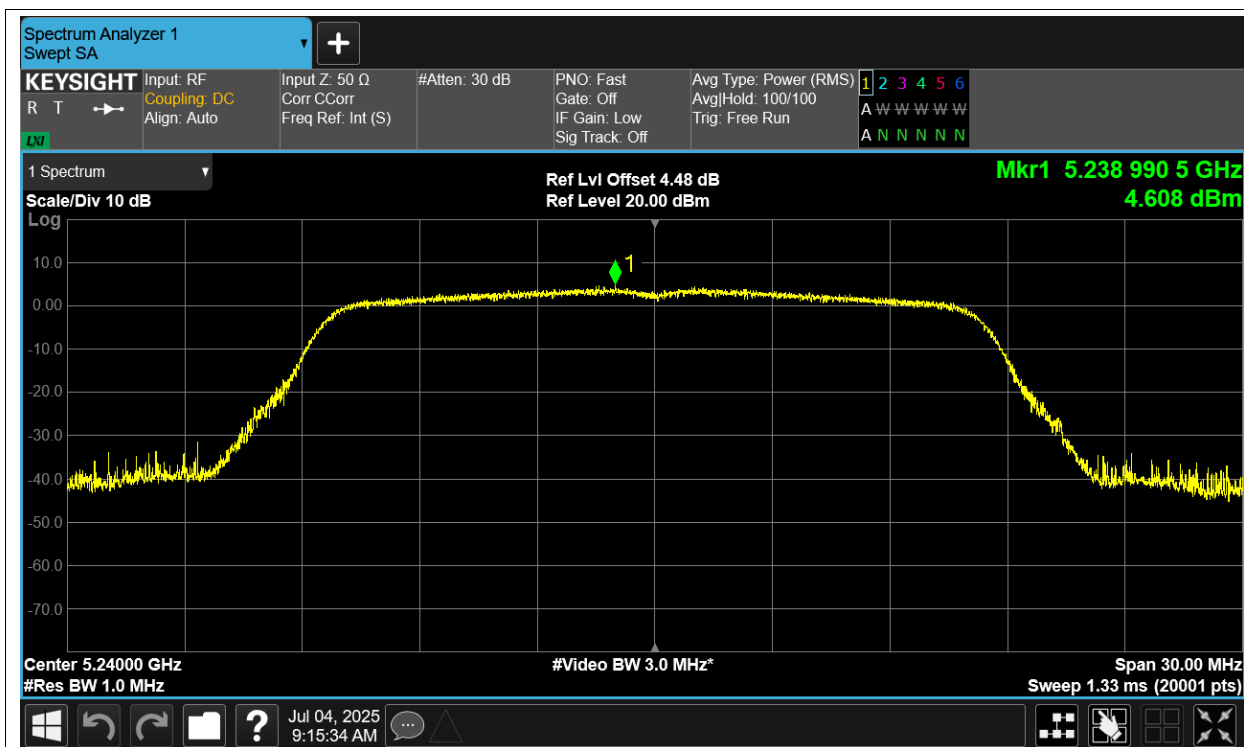
PSD NVNT a 5180MHz Ant1



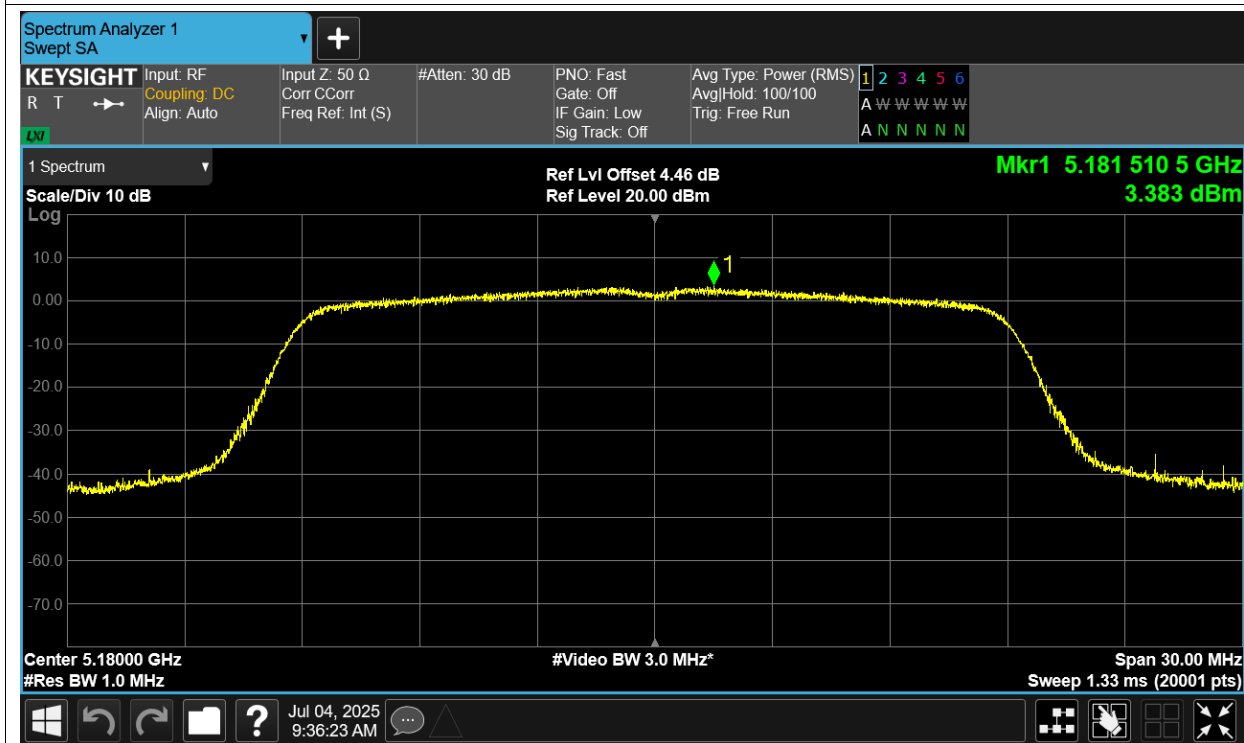
PSD NVNT a 5200MHz Ant1



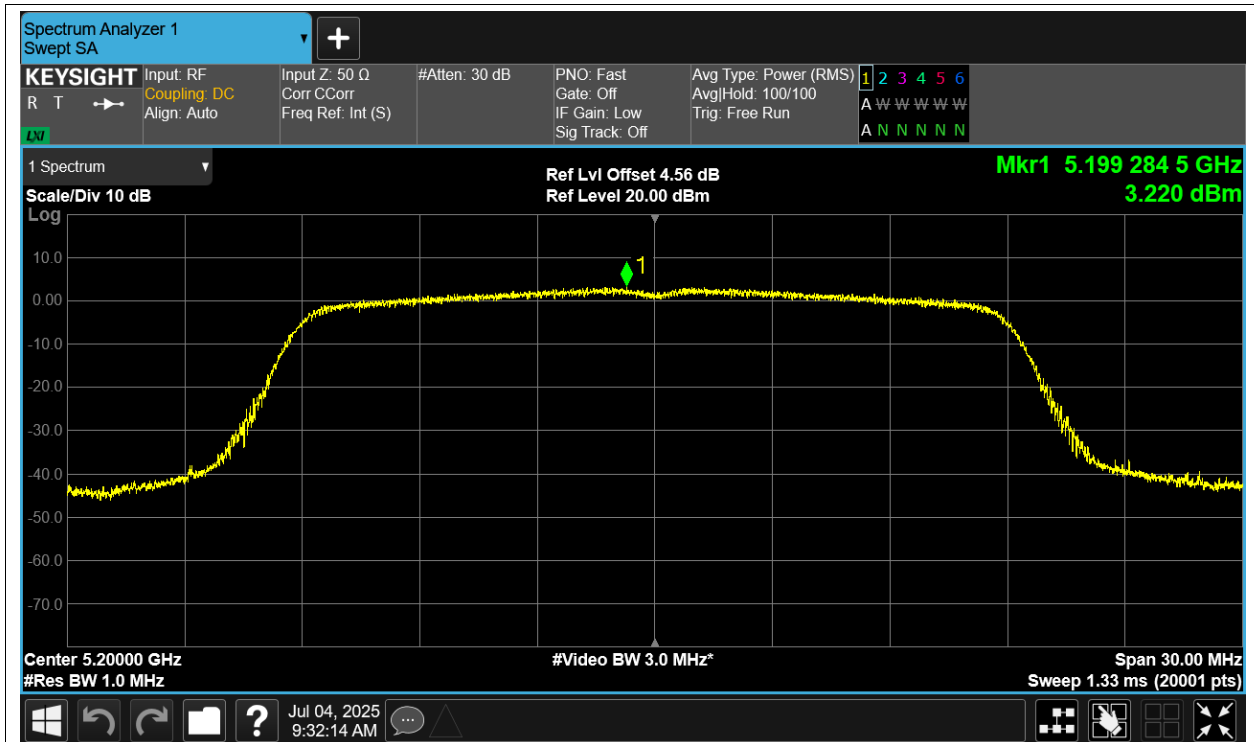
PSD NVNT a 5240MHz Ant1



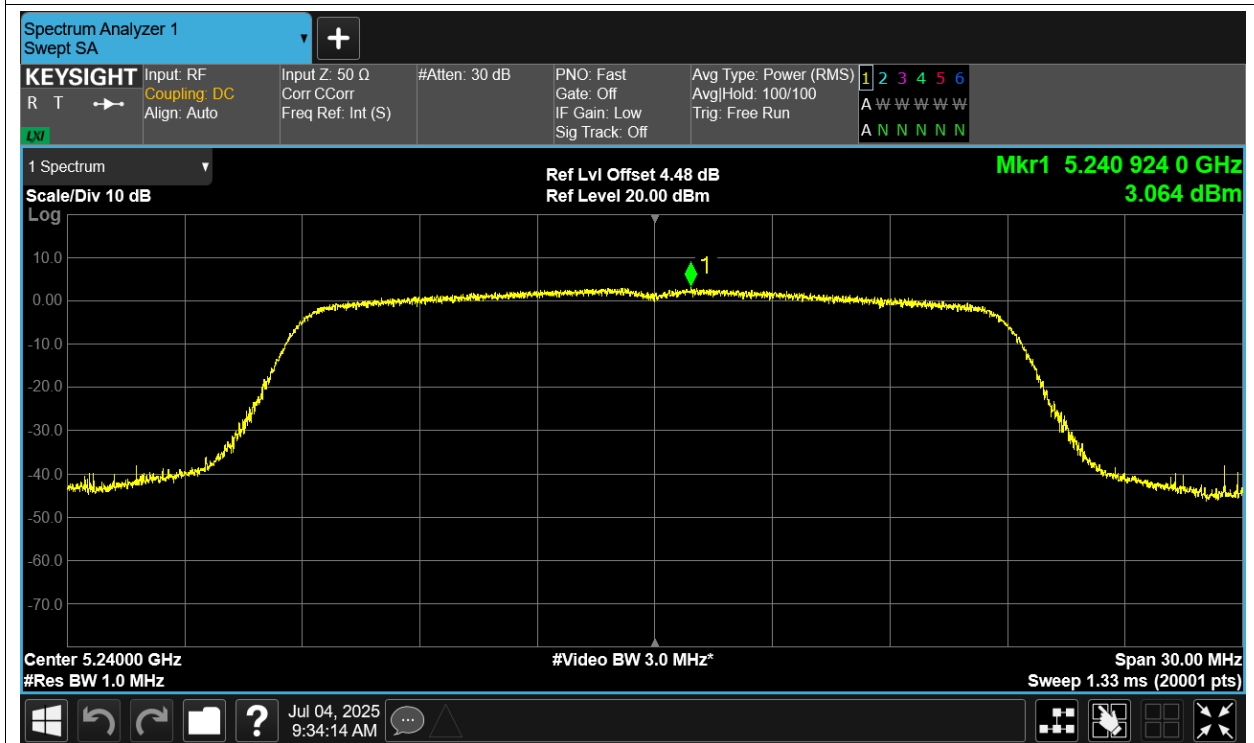
PSD NVNT ac20 5180MHz Ant1



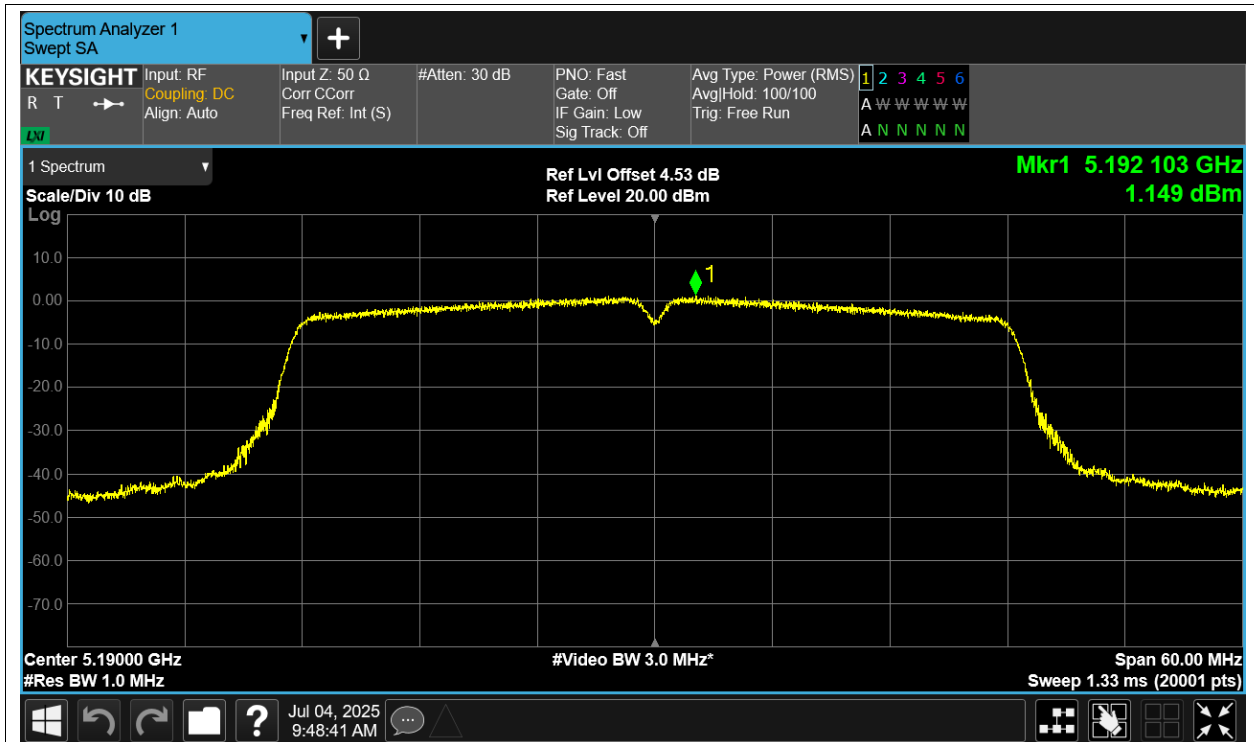
PSD NVNT ac20 5200MHz Ant1



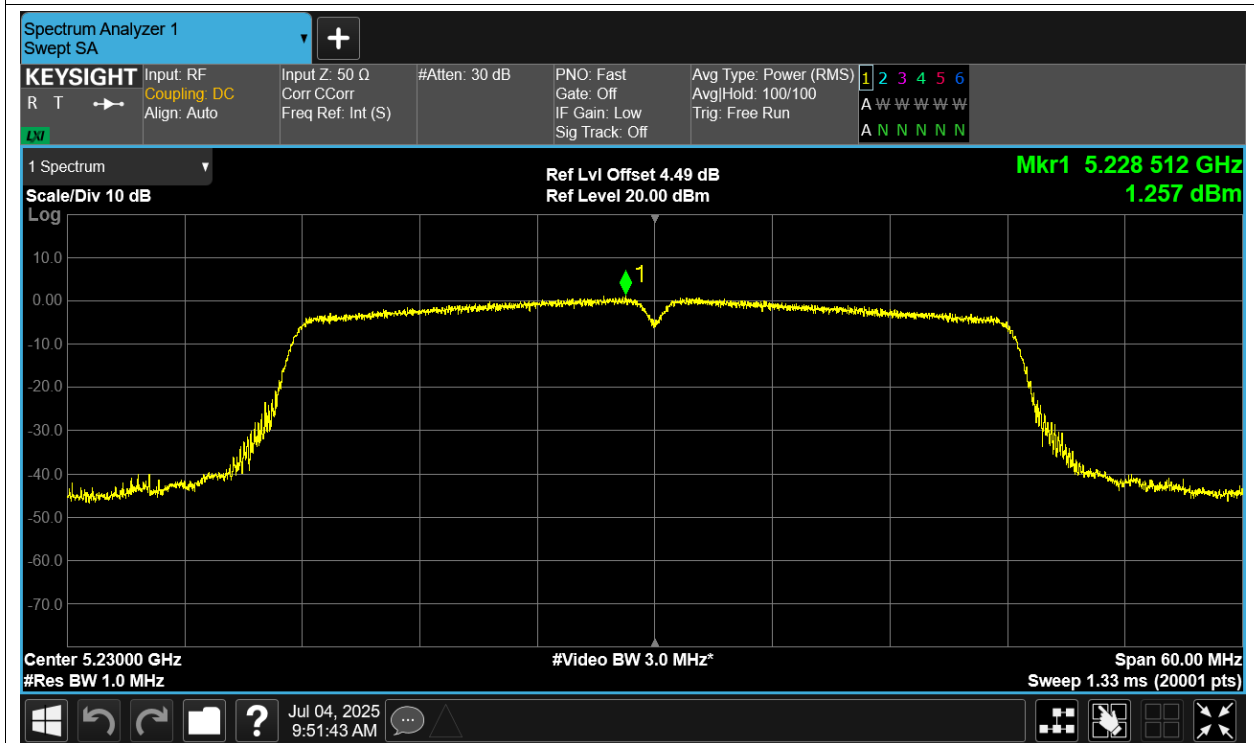
PSD NVNT ac20 5240MHz Ant1



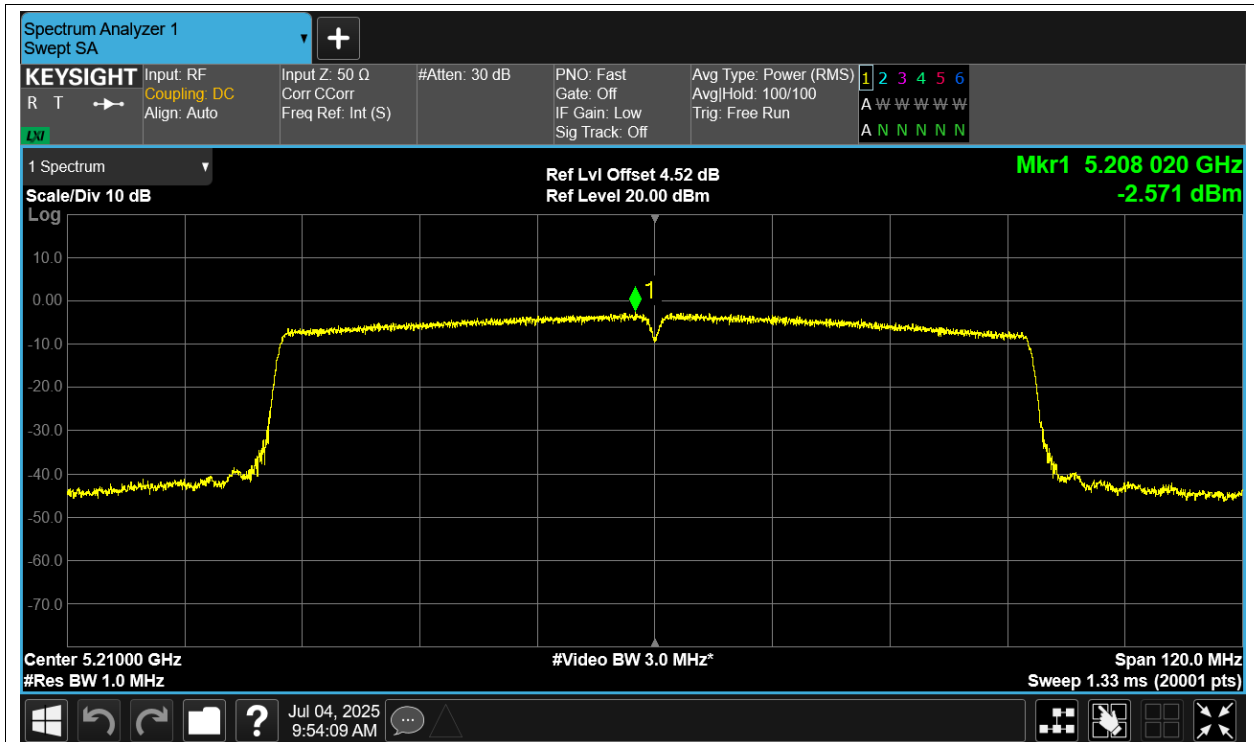
PSD NVNT ac40 5190MHz Ant1



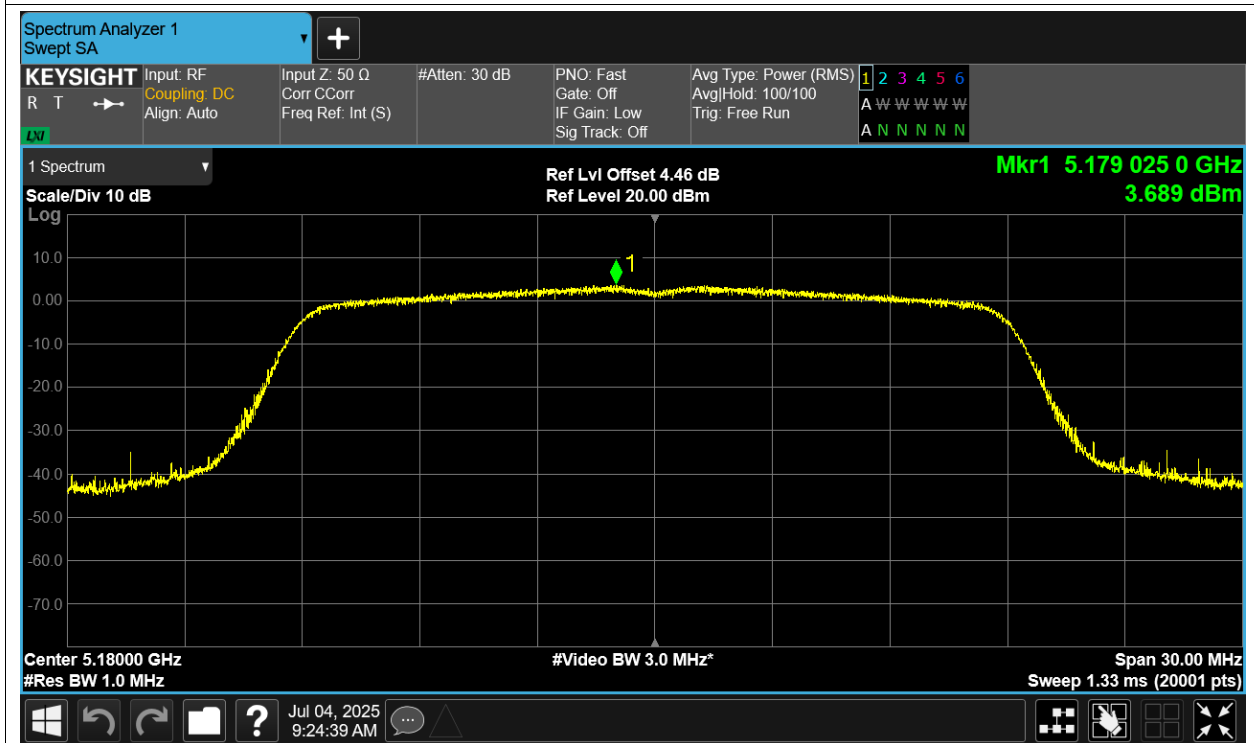
PSD NVNT ac40 5230MHz Ant1



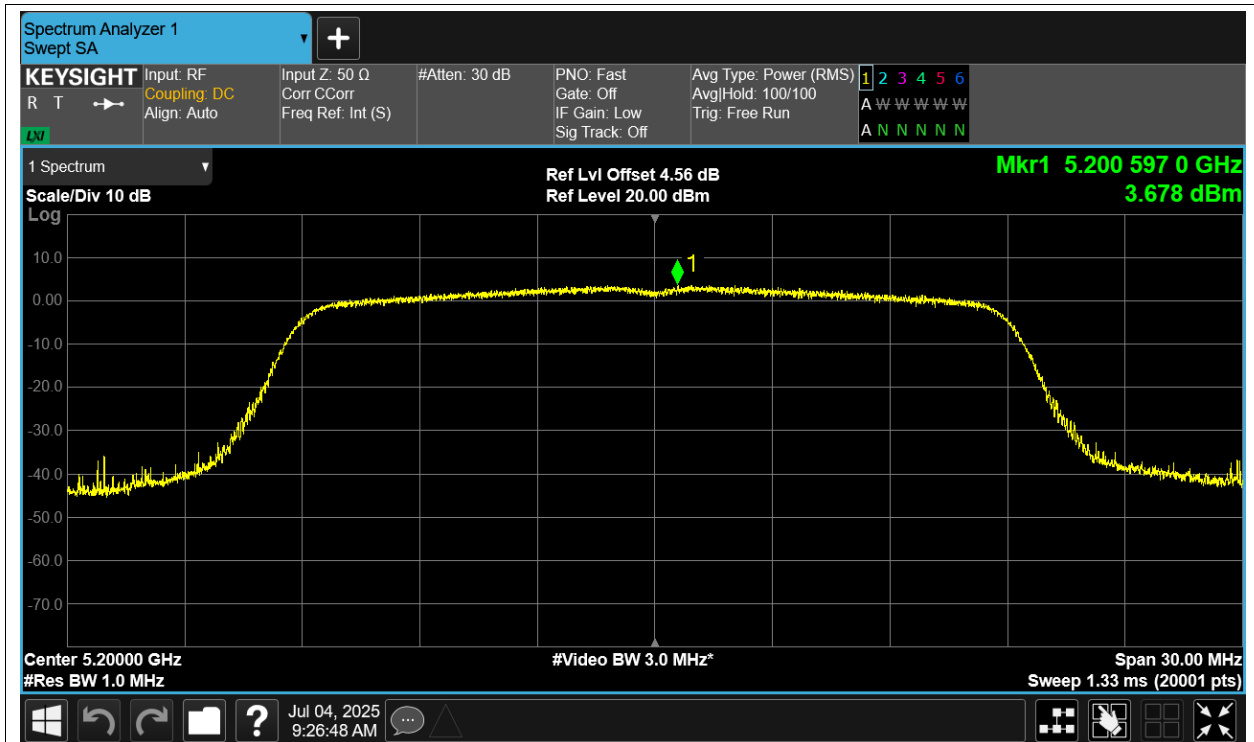
PSD NVNT ac80 5210MHz Ant1



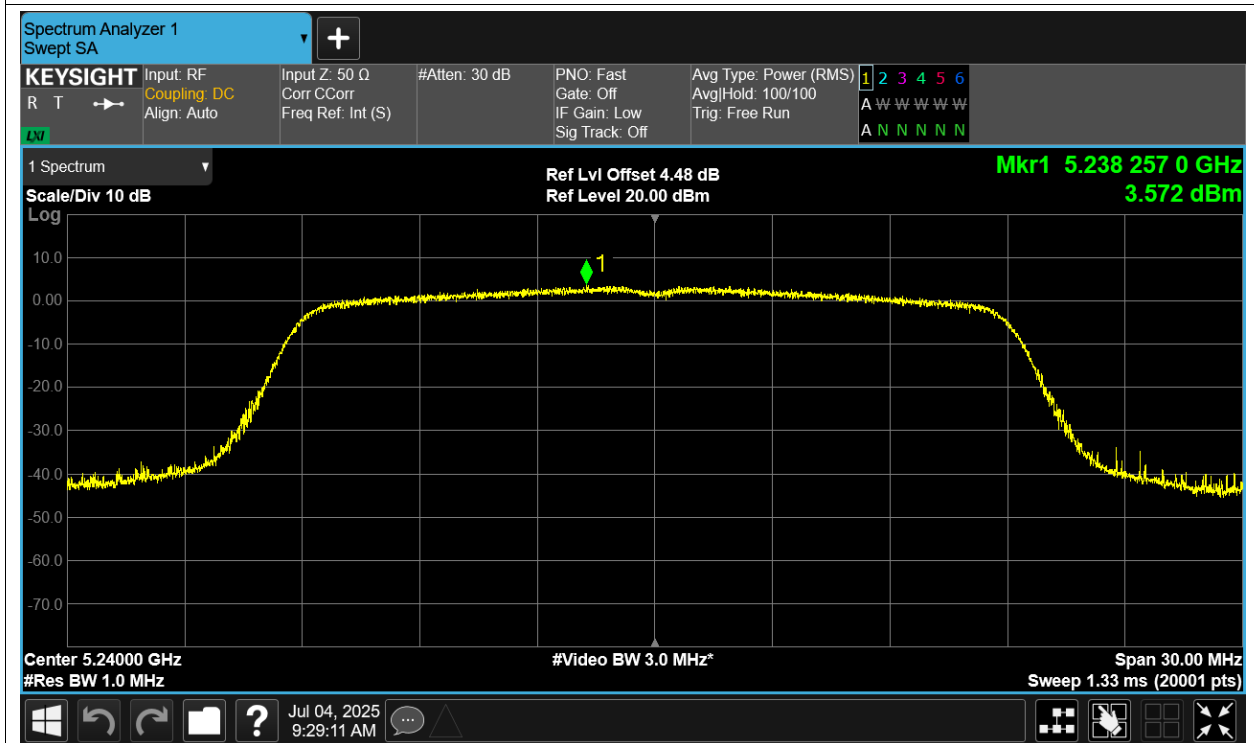
PSD NVNT n20 5180MHz Ant1



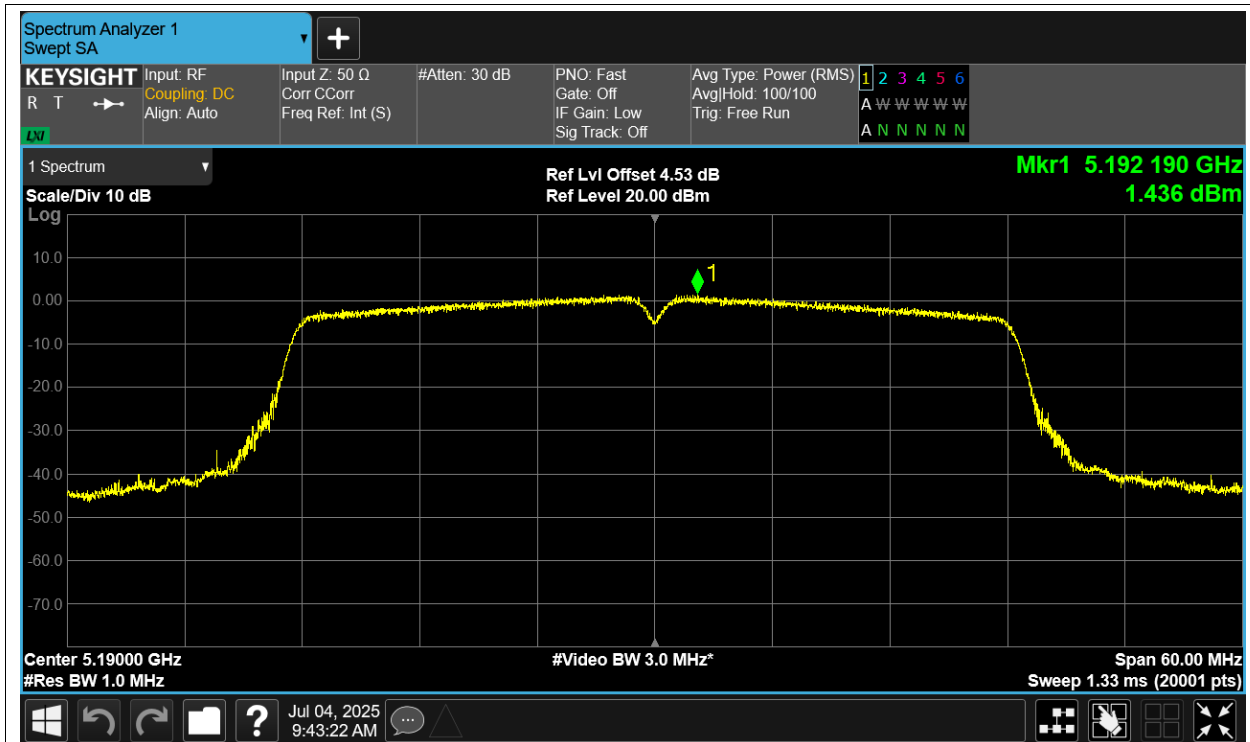
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

