



Test Data

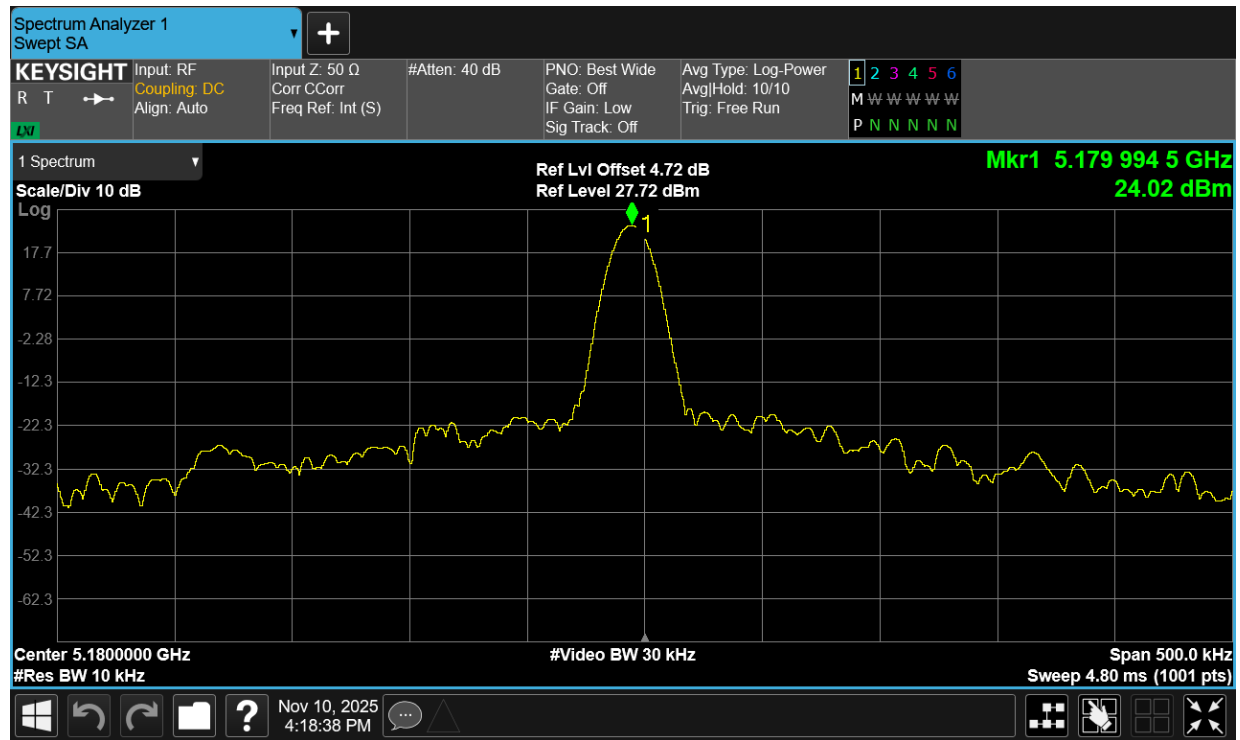
Frequency Stability

Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	5180	Ant1	5179.9945	-1.06	Within authorized band	Pass
HVNT	5200	Ant1	5199.994	-1.15		Pass
HVNT	5240	Ant1	5239.9935	-1.24		Pass
LVNT	5180	Ant1	5179.9945	-1.06		Pass
LVNT	5200	Ant1	5199.994	-1.15		Pass
LVNT	5240	Ant1	5239.9935	-1.24		Pass
NVHT	5180	Ant1	5179.9945	-1.06		Pass
NVHT	5200	Ant1	5199.994	-1.15		Pass
NVHT	5240	Ant1	5239.9935	-1.24		Pass
NVLT	5180	Ant1	5179.995	-0.97		Pass
NVLT	5200	Ant1	5199.994	-1.15		Pass
NVLT	5240	Ant1	5239.994	-1.15		Pass
NVNT	5180	Ant1	5179.995	-0.97		Pass
NVNT	5200	Ant1	5199.994	-1.15		Pass
NVNT	5240	Ant1	5239.994	-1.15		Pass
HVNT	5190	Ant1	5189.9935	-1.25		Pass
HVNT	5230	Ant1	5229.9935	-1.24		Pass
LVNT	5190	Ant1	5189.9935	-1.25		Pass
LVNT	5230	Ant1	5229.9935	-1.24		Pass
NVHT	5190	Ant1	5189.9935	-1.25		Pass
NVHT	5230	Ant1	5229.9935	-1.24		Pass
NVLT	5190	Ant1	5189.9935	-1.25		Pass
NVLT	5230	Ant1	5229.9935	-1.24		Pass
NVNT	5190	Ant1	5189.994	-1.16		Pass
NVNT	5230	Ant1	5229.994	-1.15		Pass
HVNT	5210	Ant1	5209.9935	-1.25		Pass
LVNT	5210	Ant1	5209.9935	-1.25		Pass
NVHT	5210	Ant1	5209.9935	-1.25		Pass
NVLT	5210	Ant1	5209.994	-1.15		Pass
NVNT	5210	Ant1	5209.994	-1.15		Pass

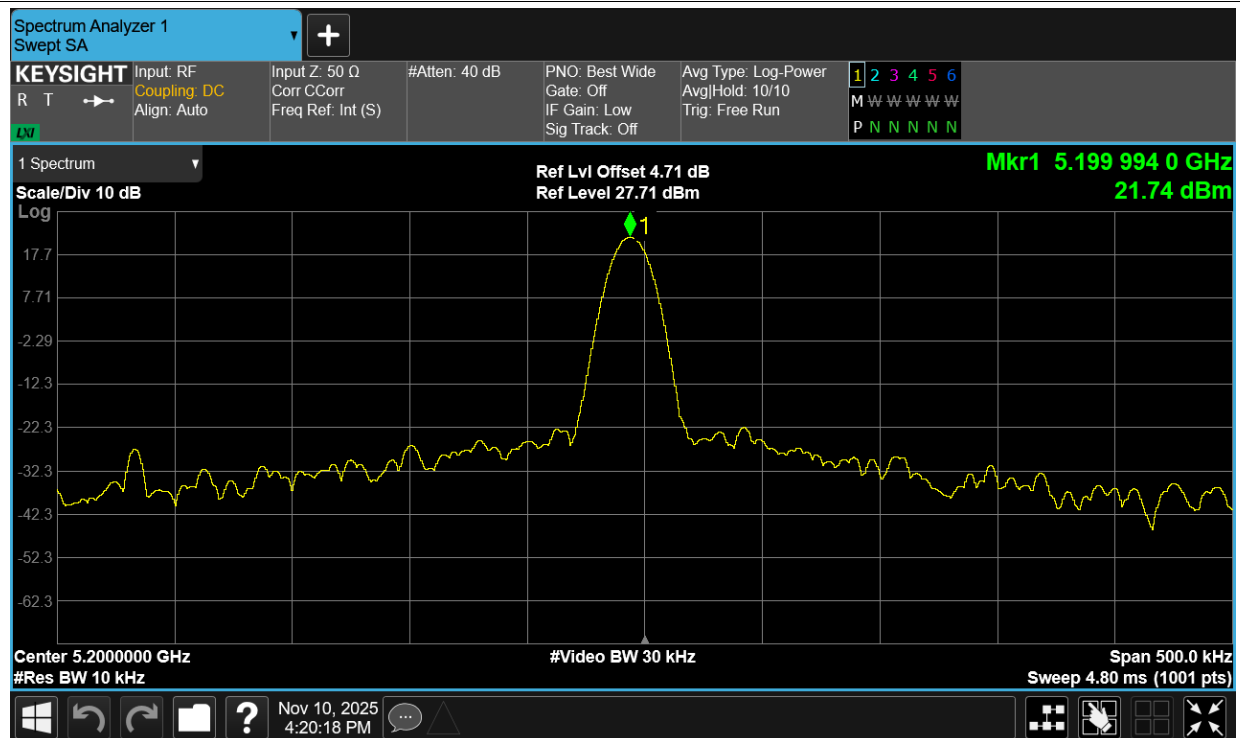
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

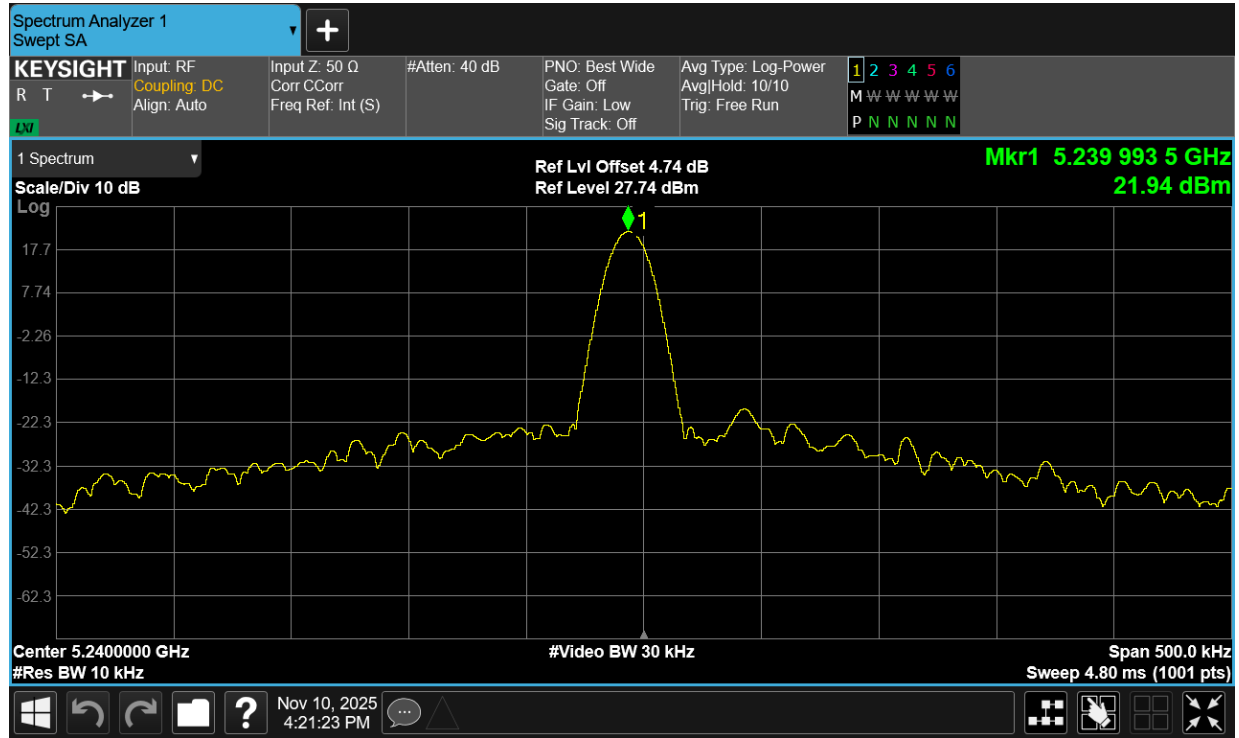
Freq. Stability HVNT 20M 5180MHz Ant1



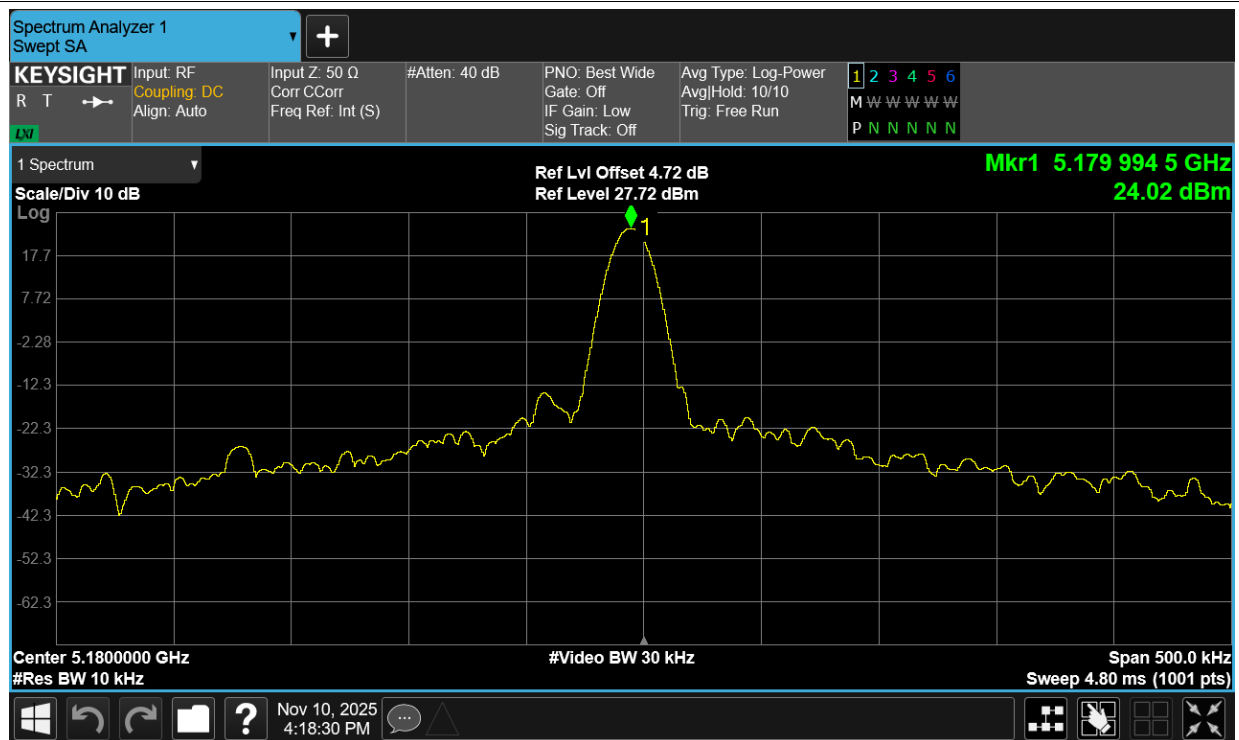
Freq. Stability HVNT 20M 5200MHz Ant1



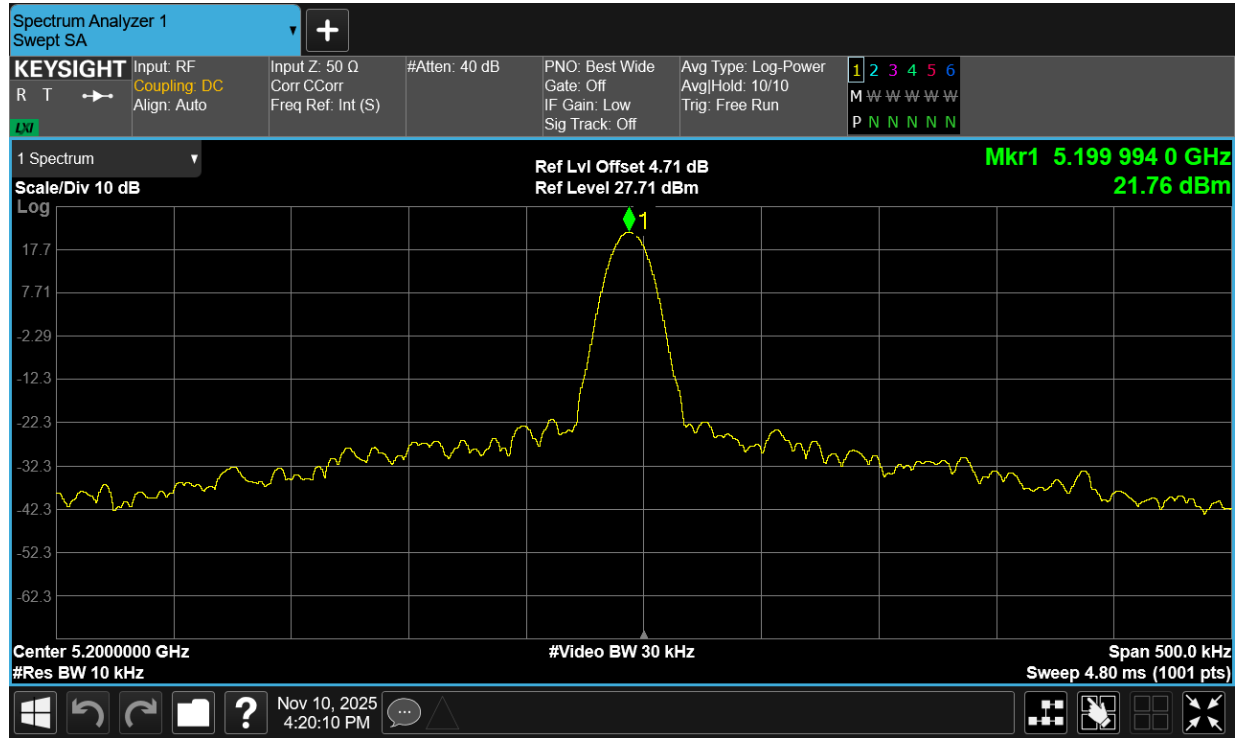
Freq. Stability HVNT 20M 5240MHz Ant1



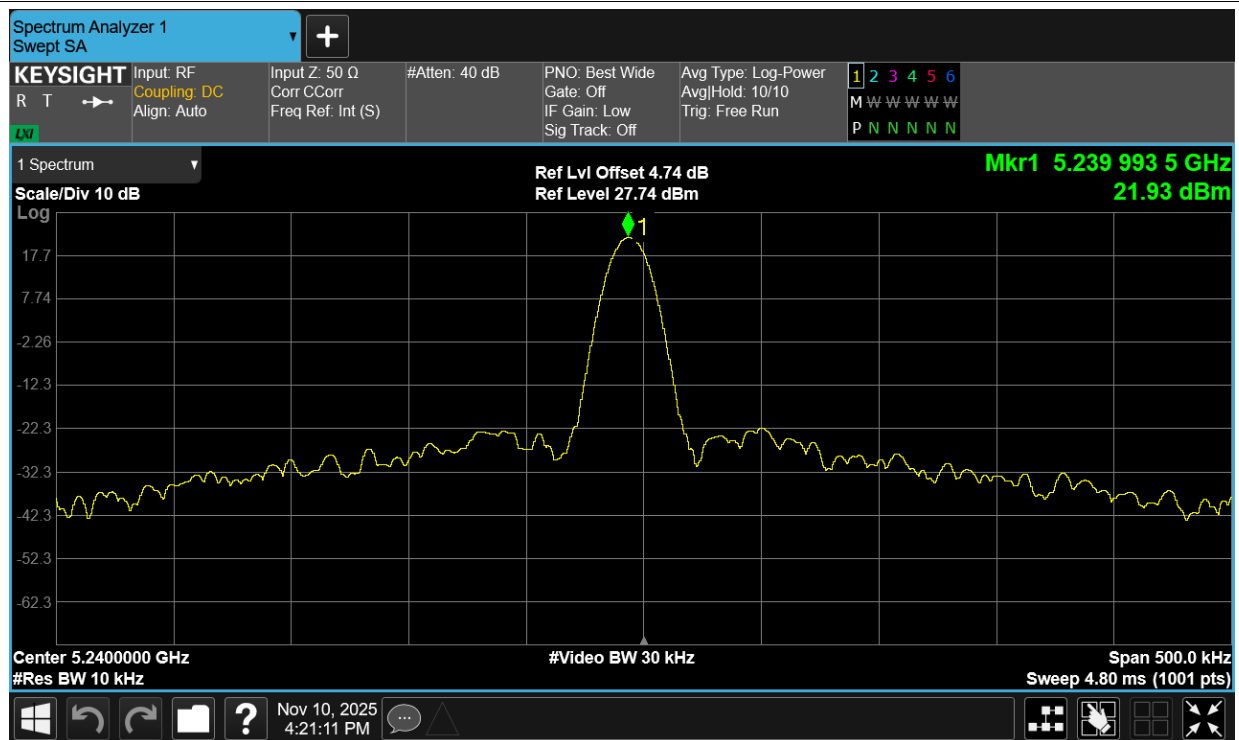
Freq. Stability LVNT 20M 5180MHz Ant1



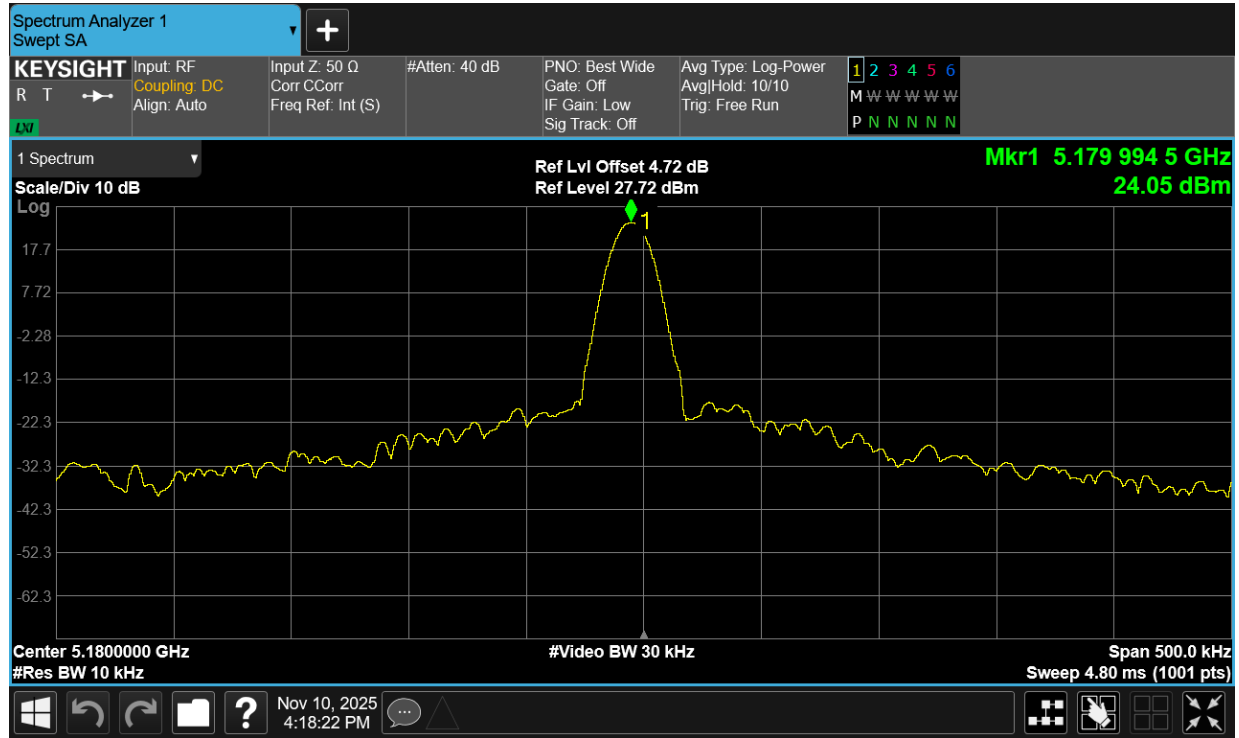
Freq. Stability LVNT 20M 5200MHz Ant1



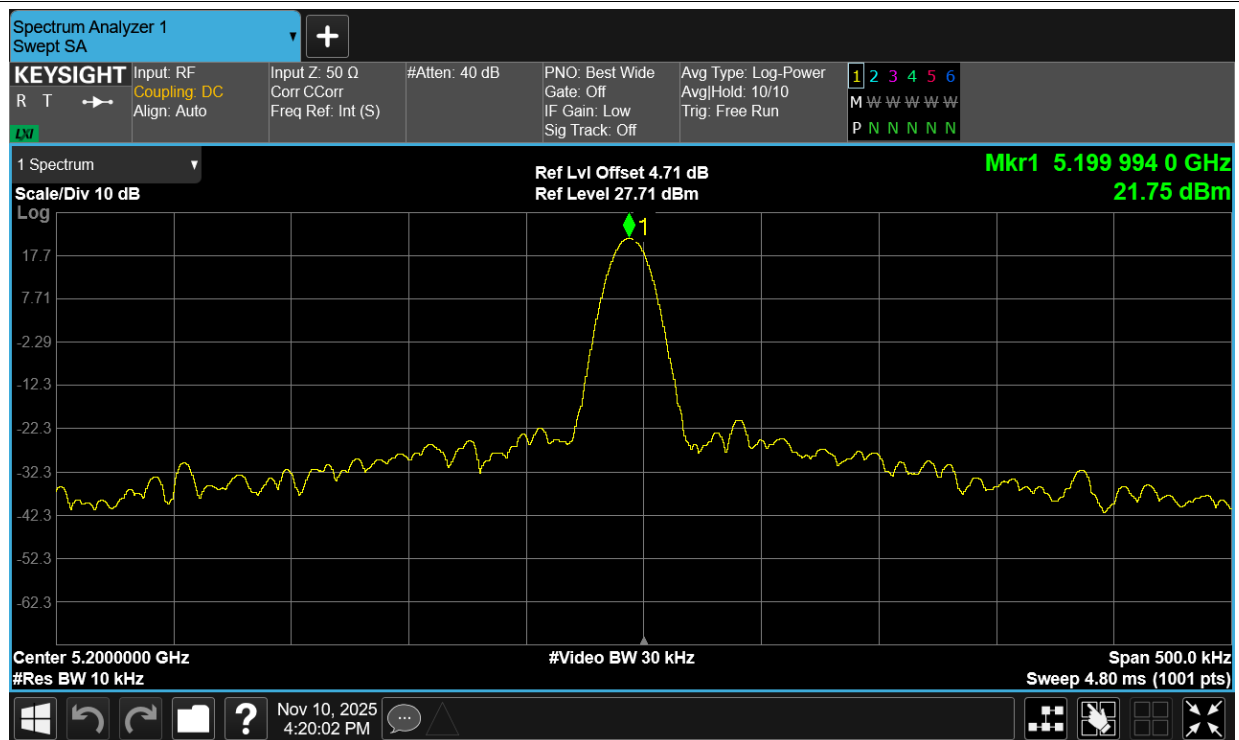
Freq. Stability LVNT 20M 5240MHz Ant1



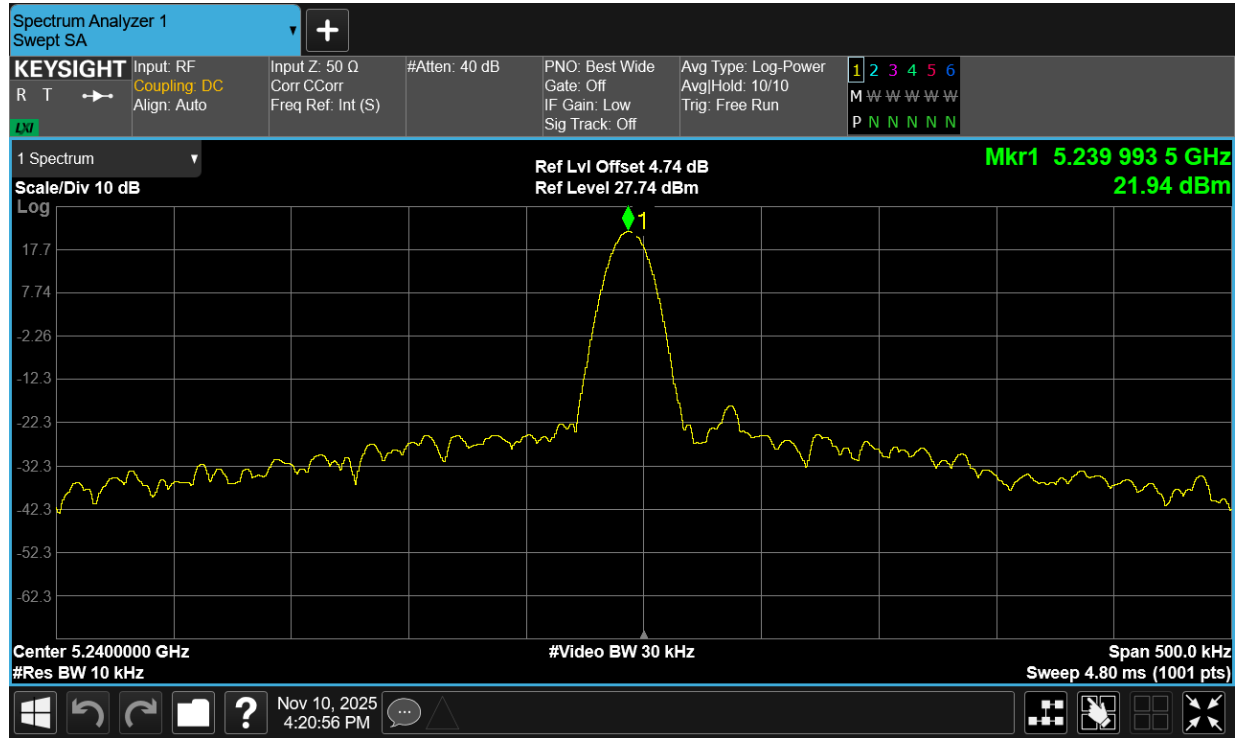
Freq. Stability NVHT 20M 5180MHz Ant1



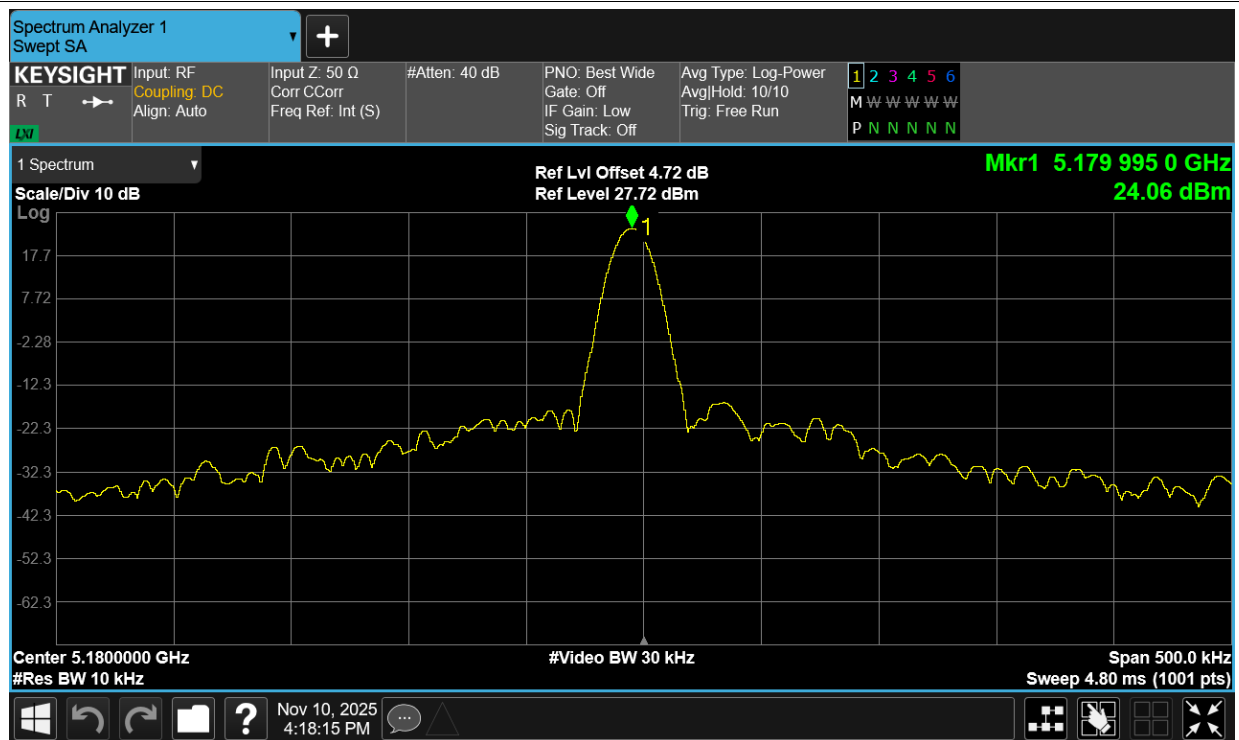
Freq. Stability NVHT 20M 5200MHz Ant1



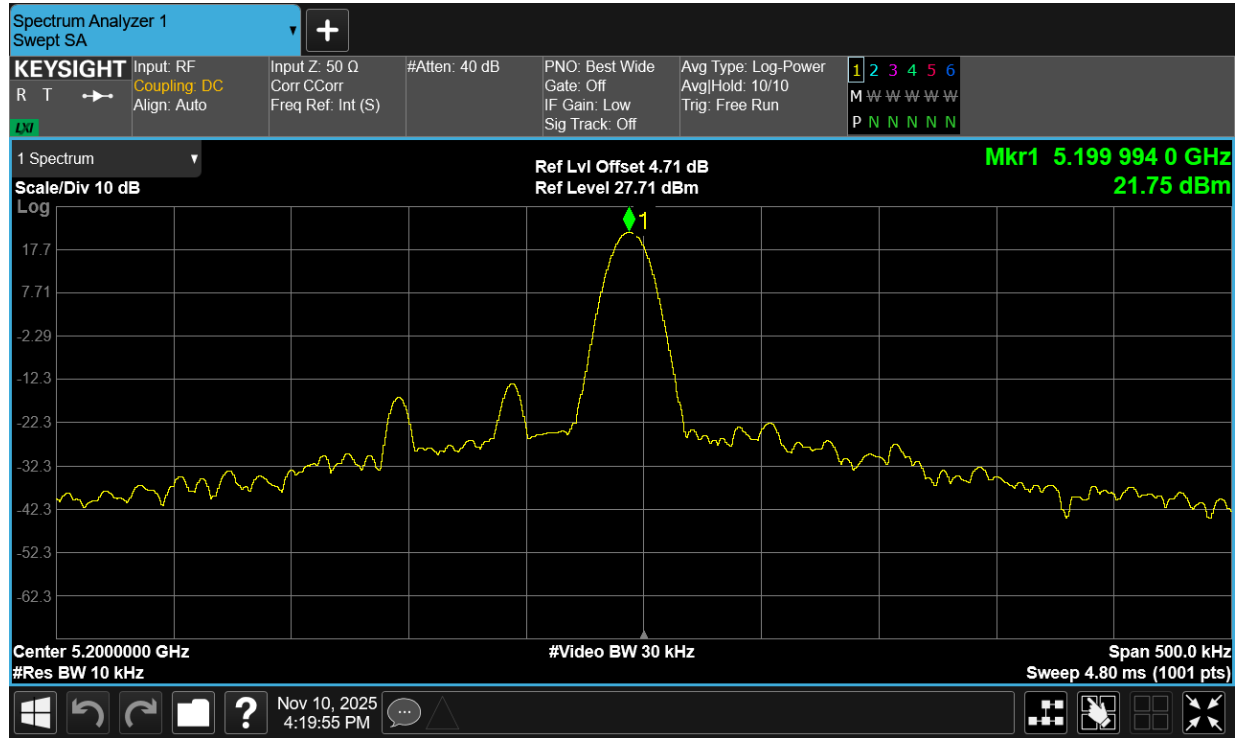
Freq. Stability NVHT 20M 5240MHz Ant1



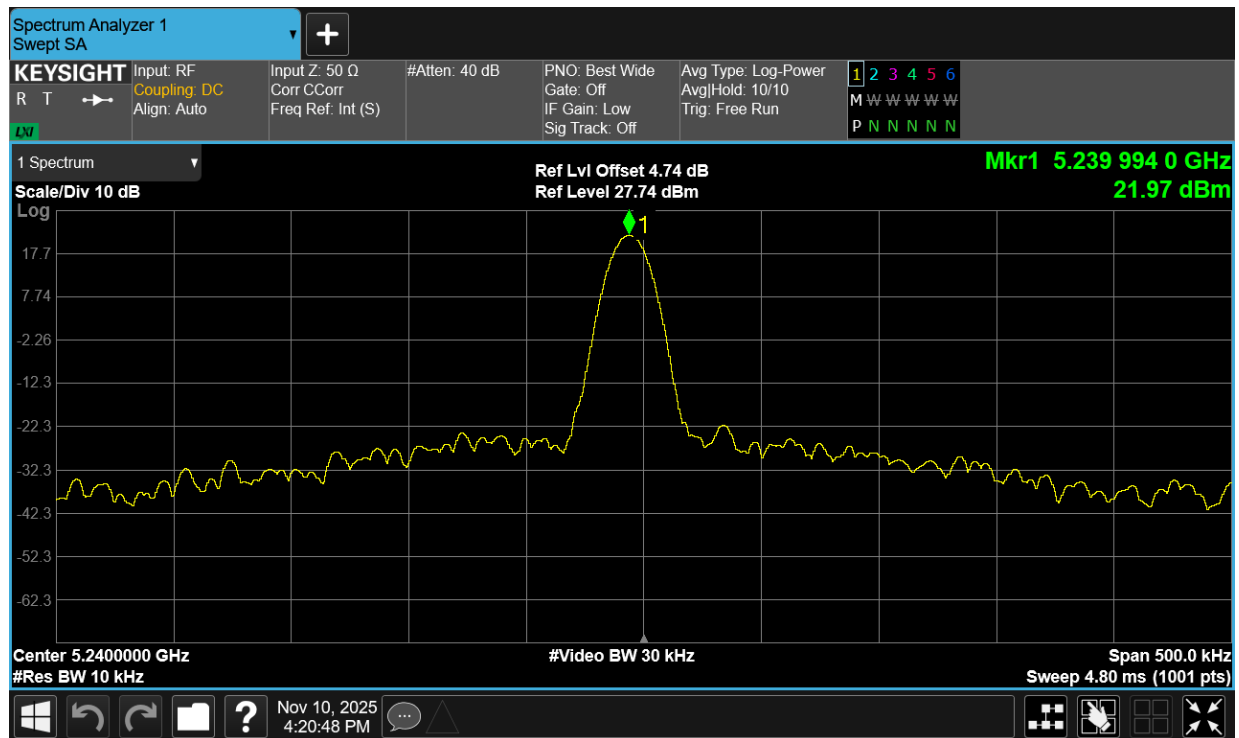
Freq. Stability NVLT 20M 5180MHz Ant1



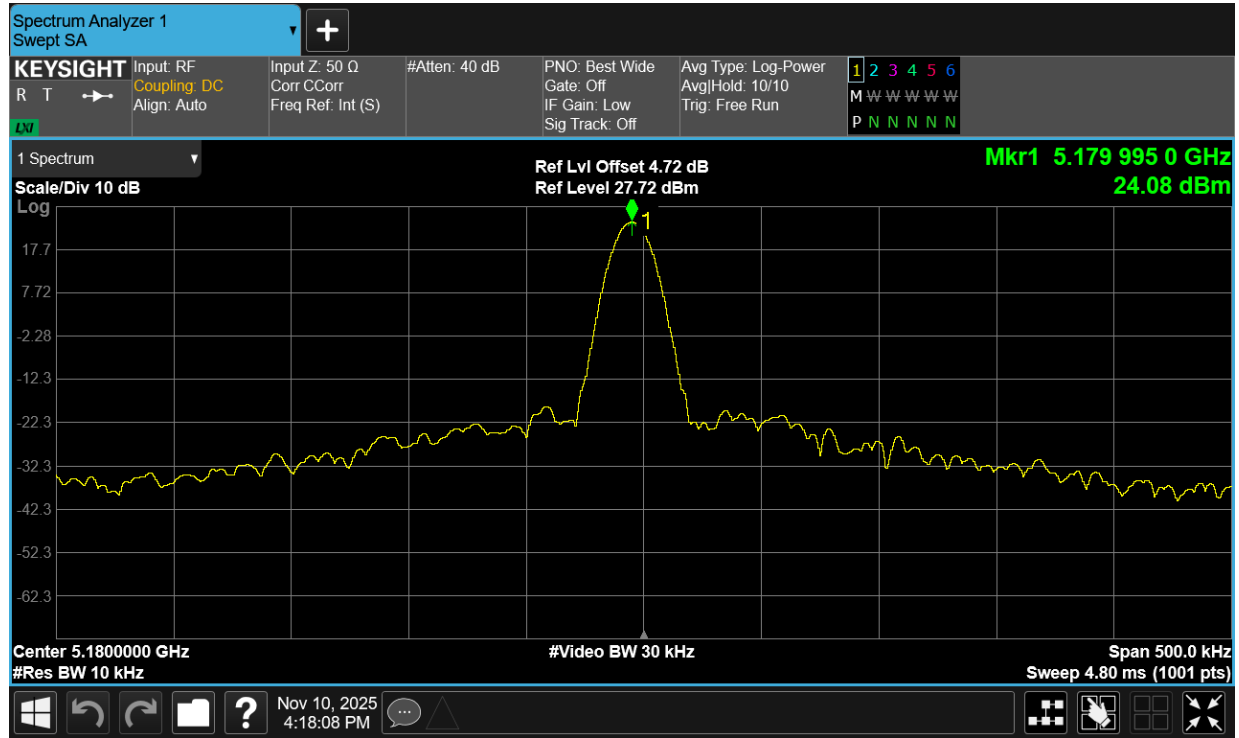
Freq. Stability NVLT 20M 5200MHz Ant1



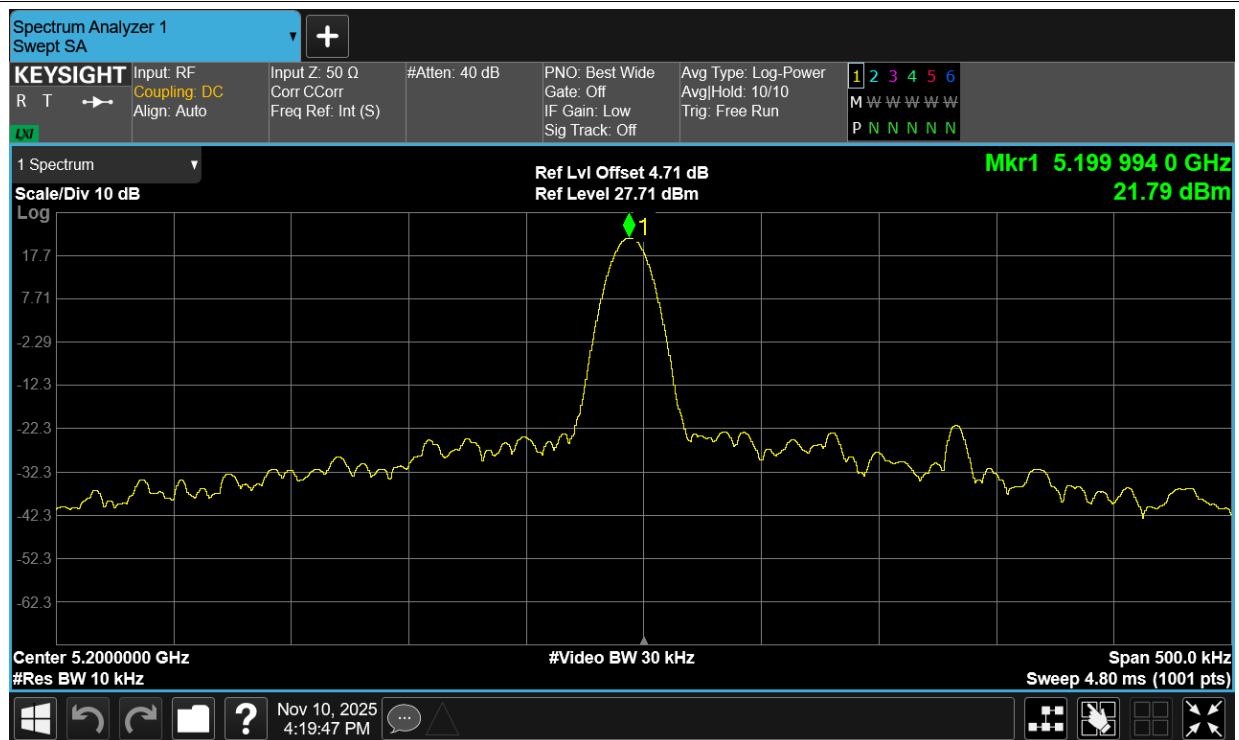
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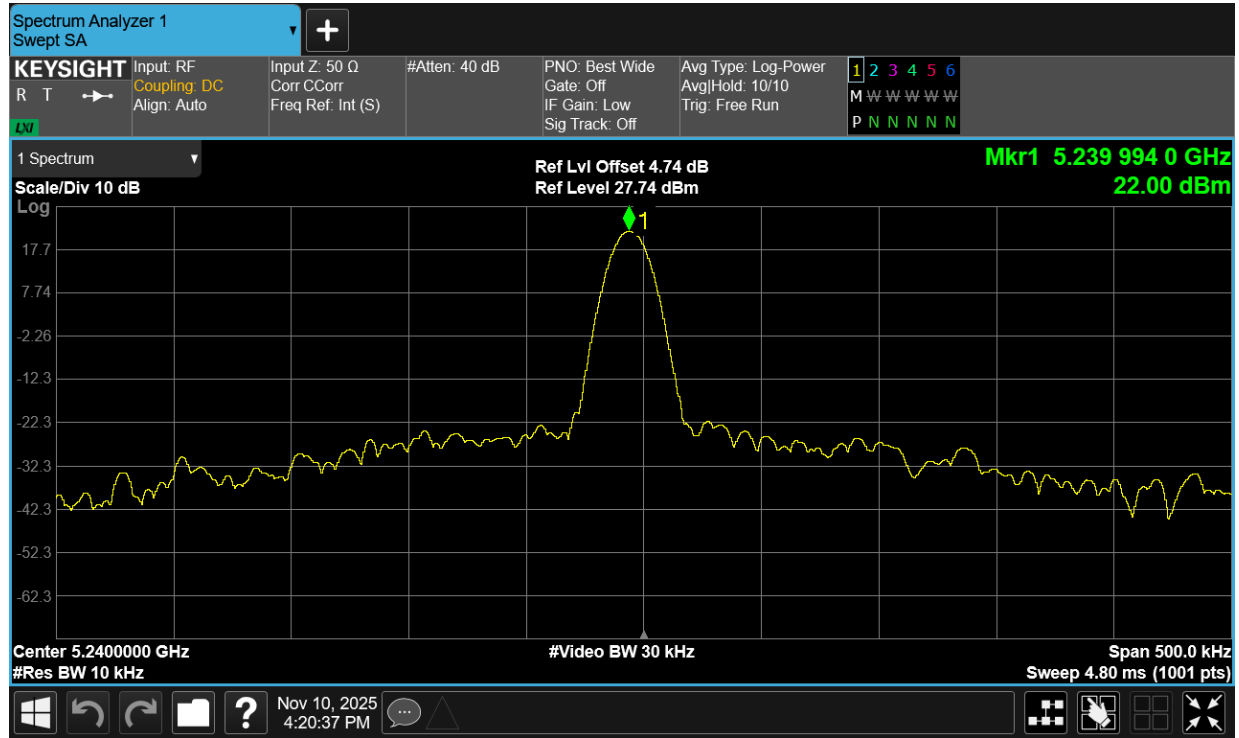
Freq. Stability NVNT 20M 5180MHz Ant1



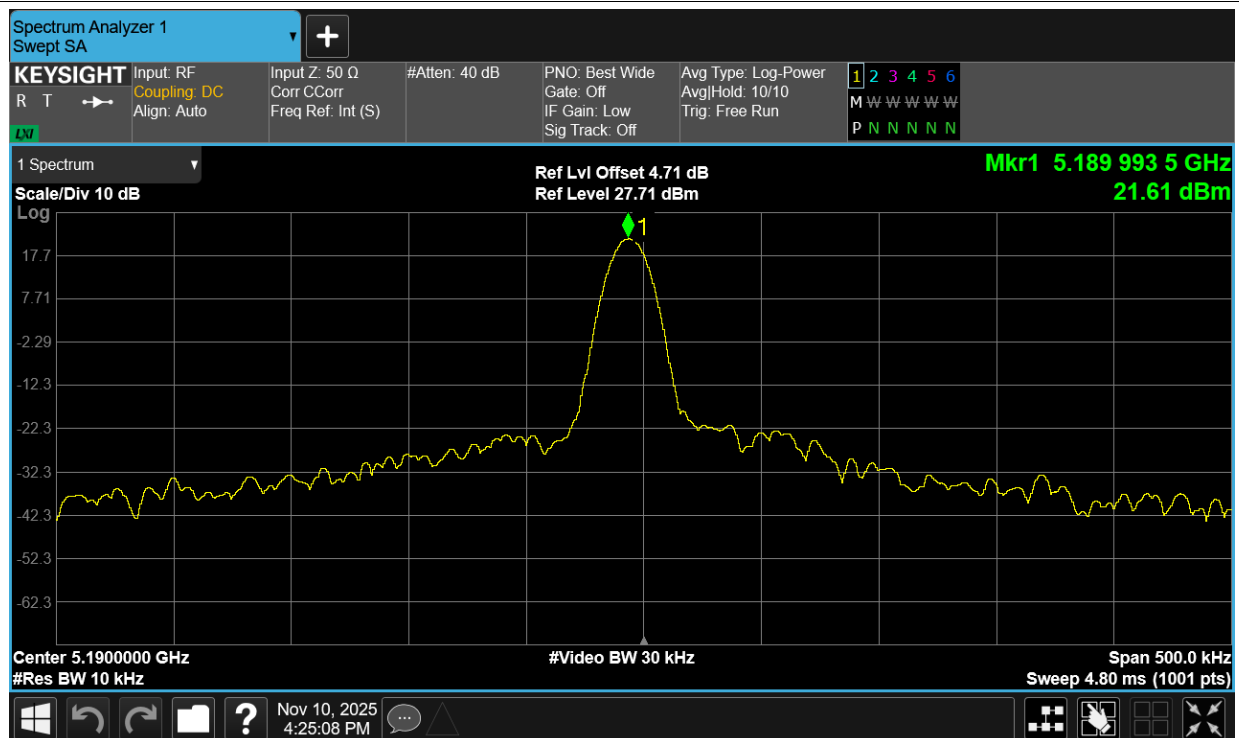
Freq. Stability NVNT 20M 5200MHz Ant1



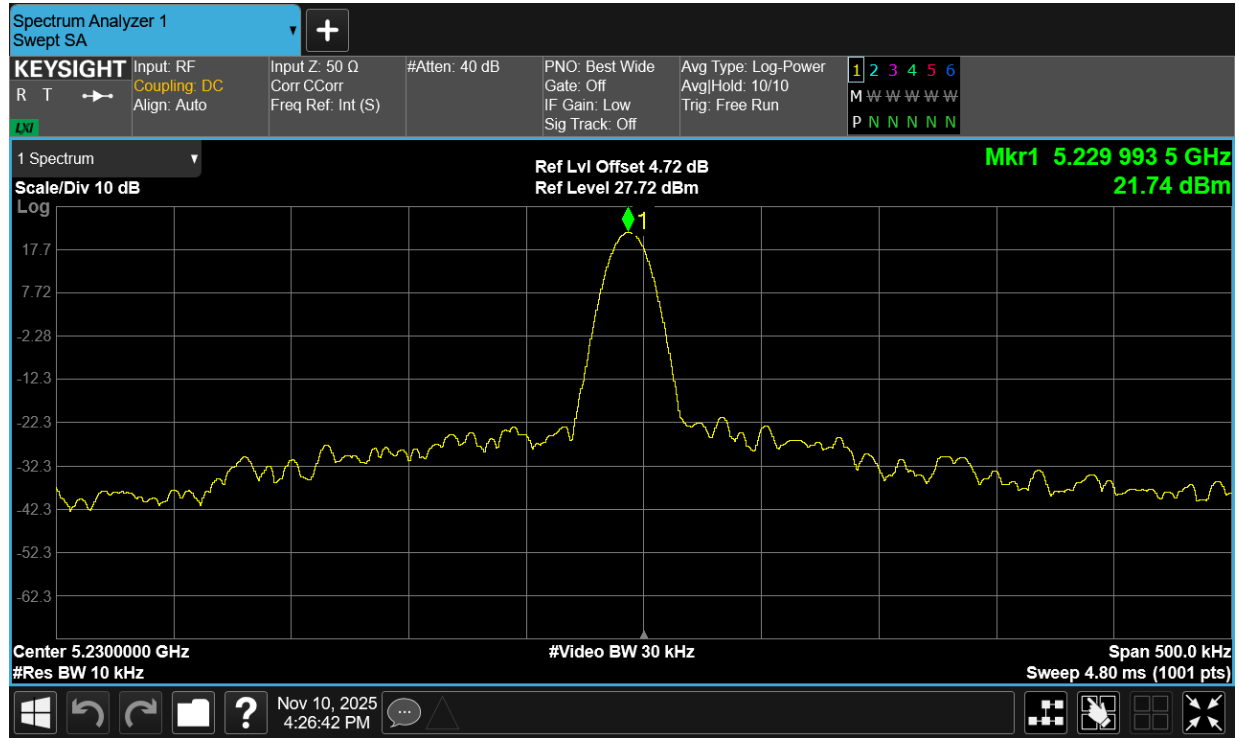
Freq. Stability NVNT 20M 5240MHz Ant1



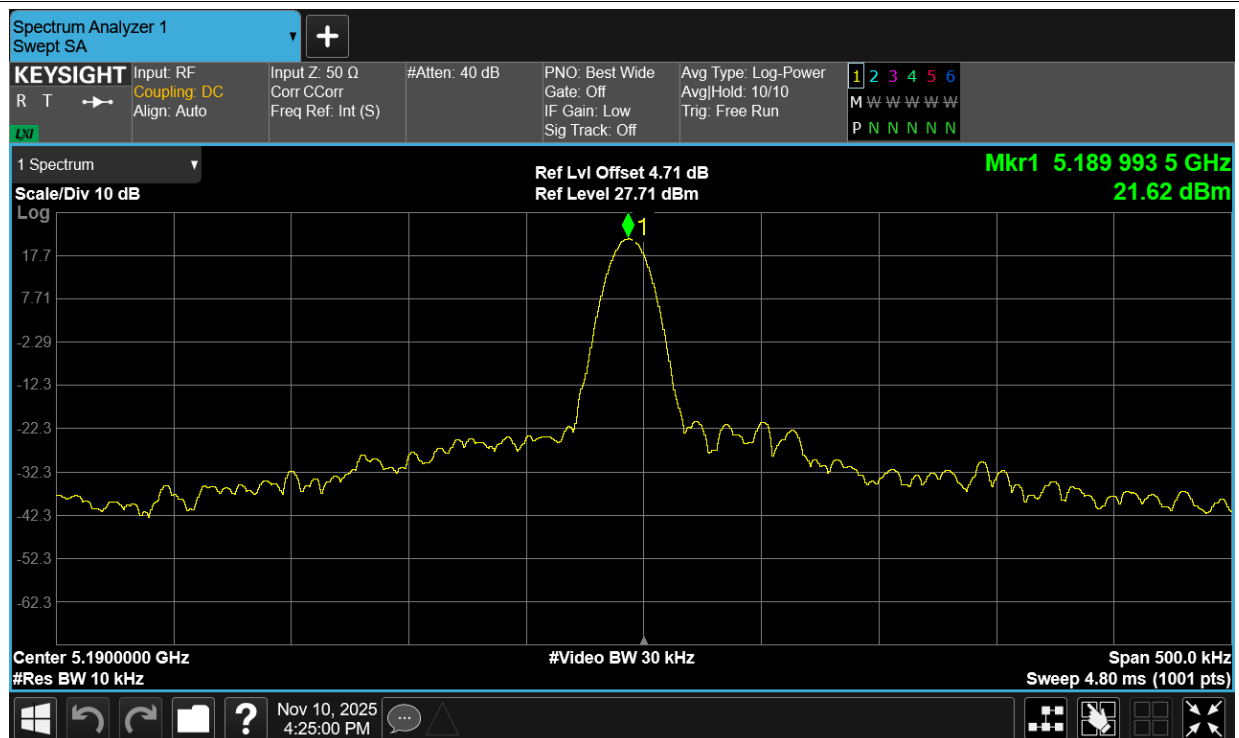
Freq. Stability HVNT 40M 5190MHz Ant1



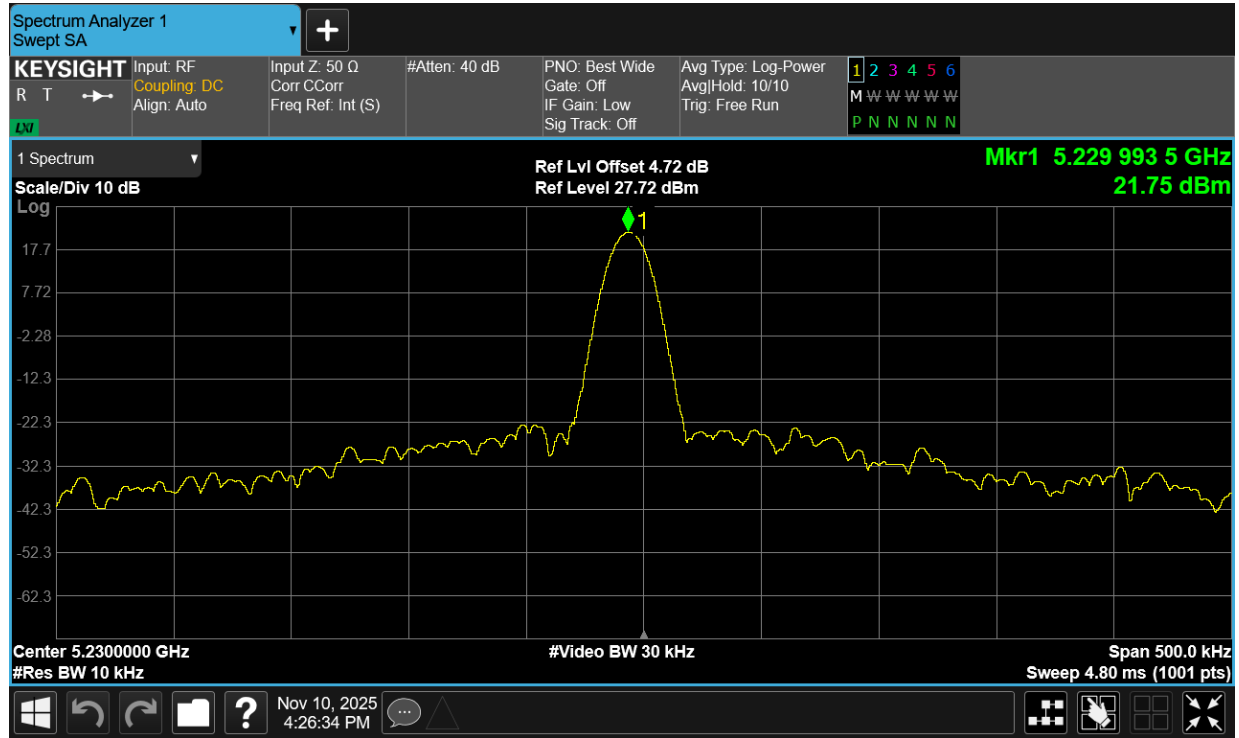
Freq. Stability HVNT 40M 5230MHz Ant1



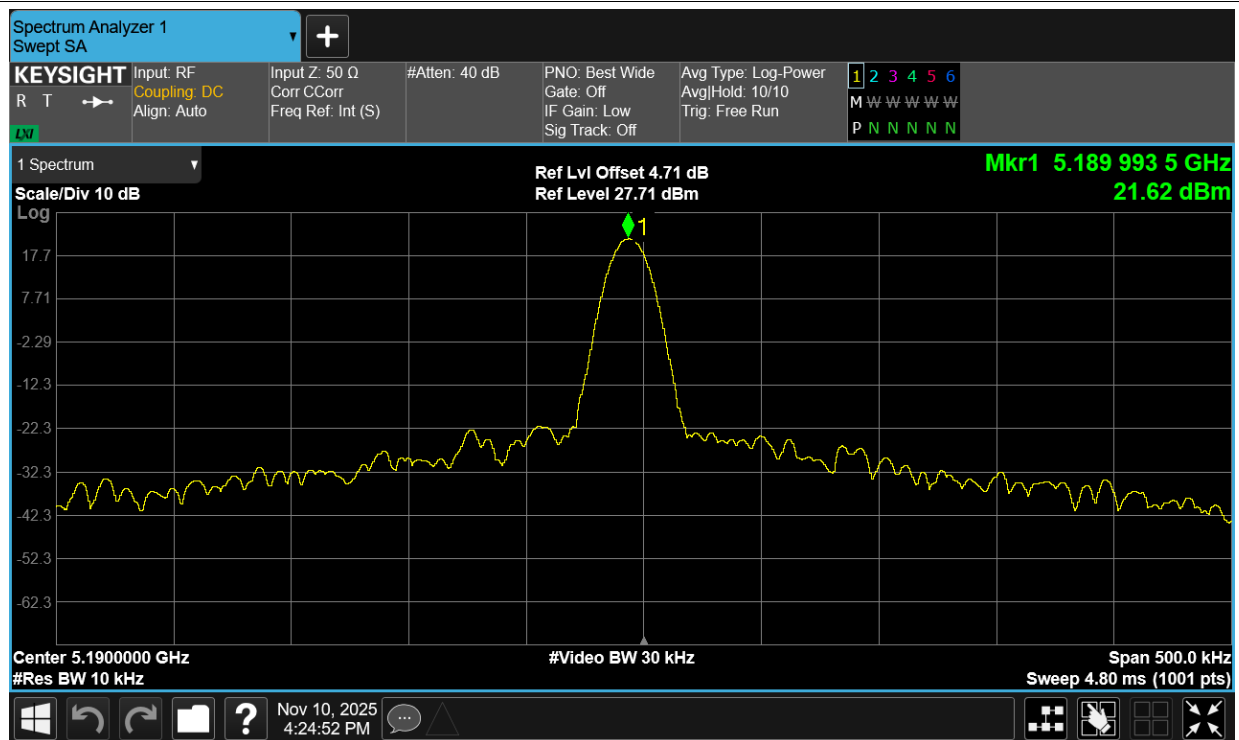
Freq. Stability LVNT 40M 5190MHz Ant1



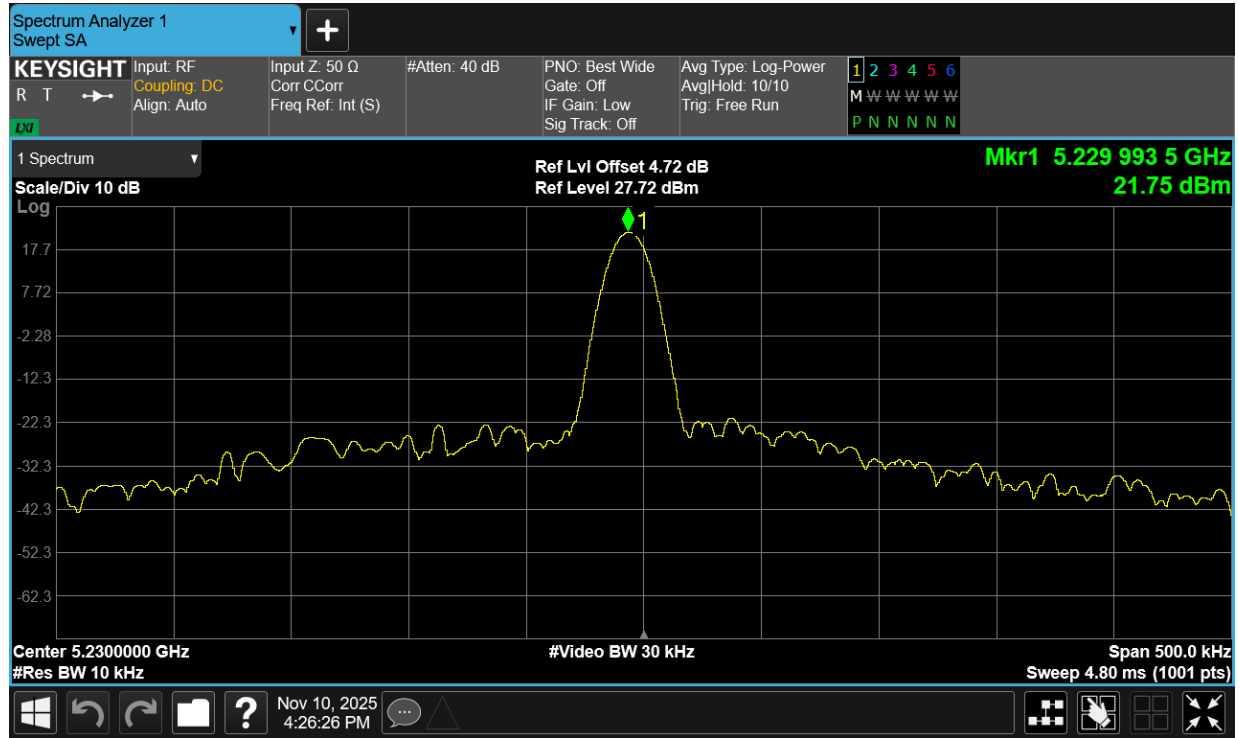
Freq. Stability LVNT 40M 5230MHz Ant1



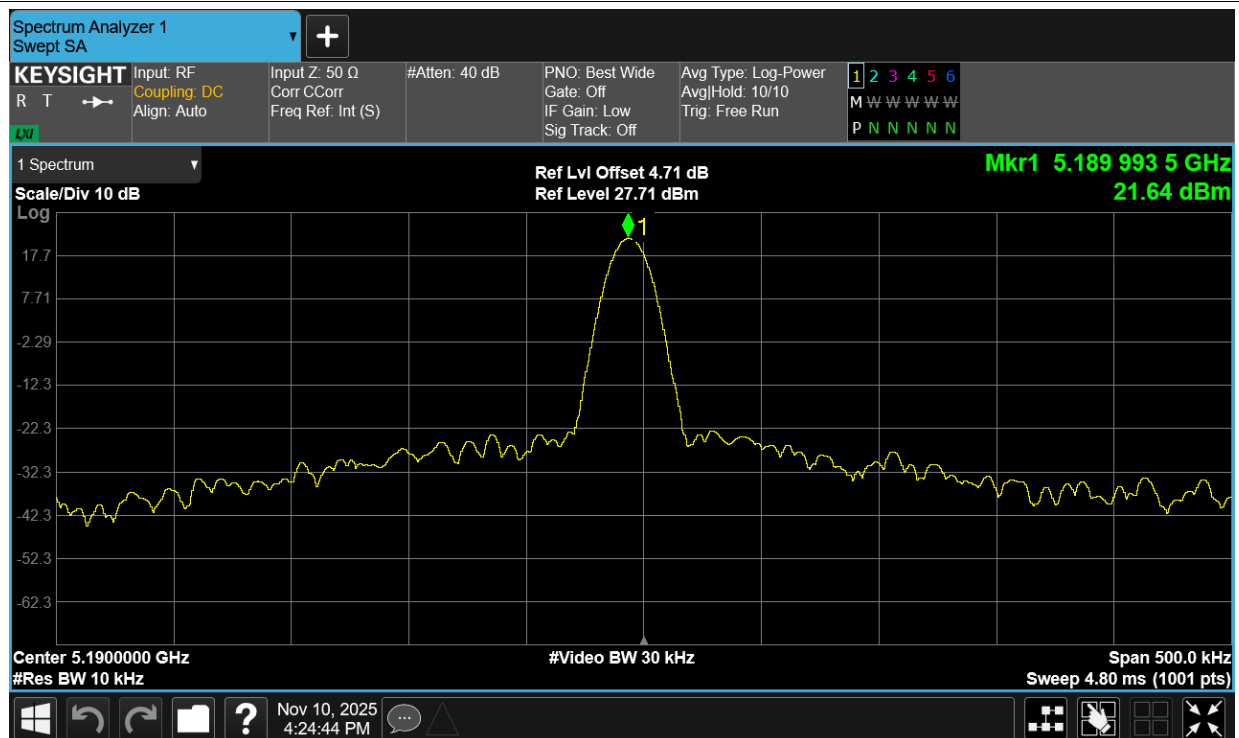
Freq. Stability NVHT 40M 5190MHz Ant1



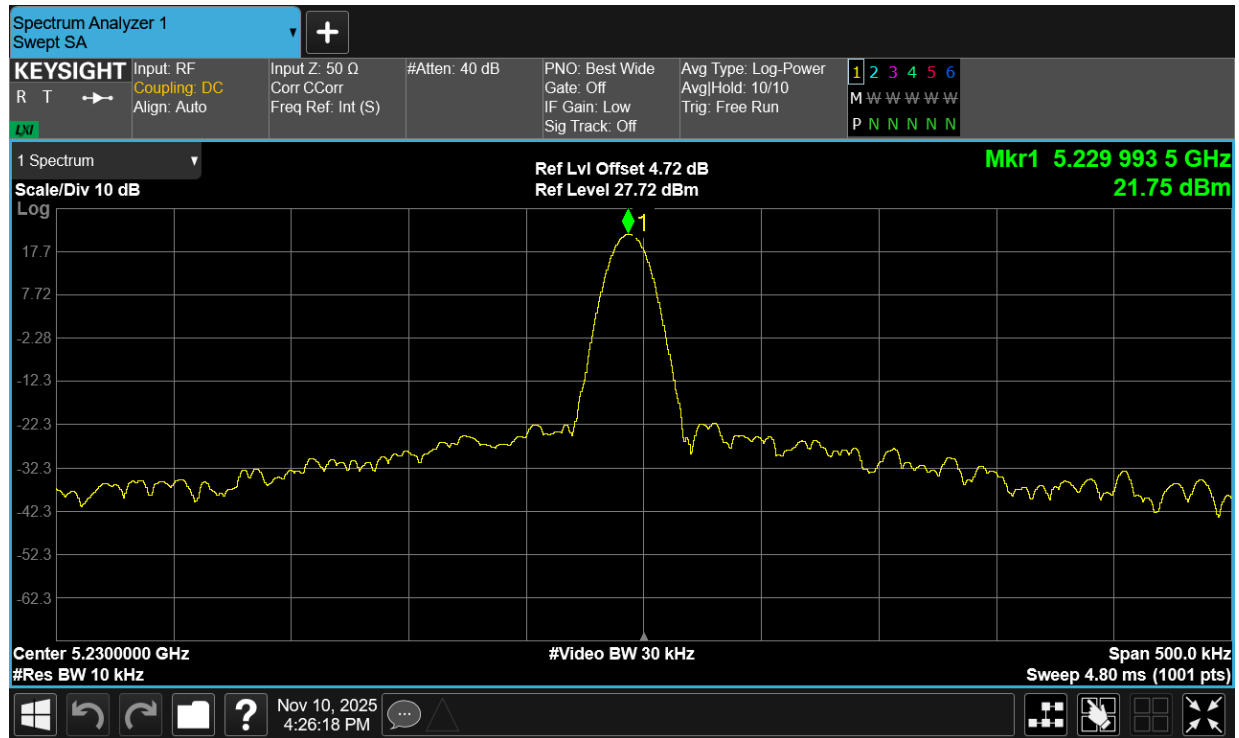
Freq. Stability NVHT 40M 5230MHz Ant1



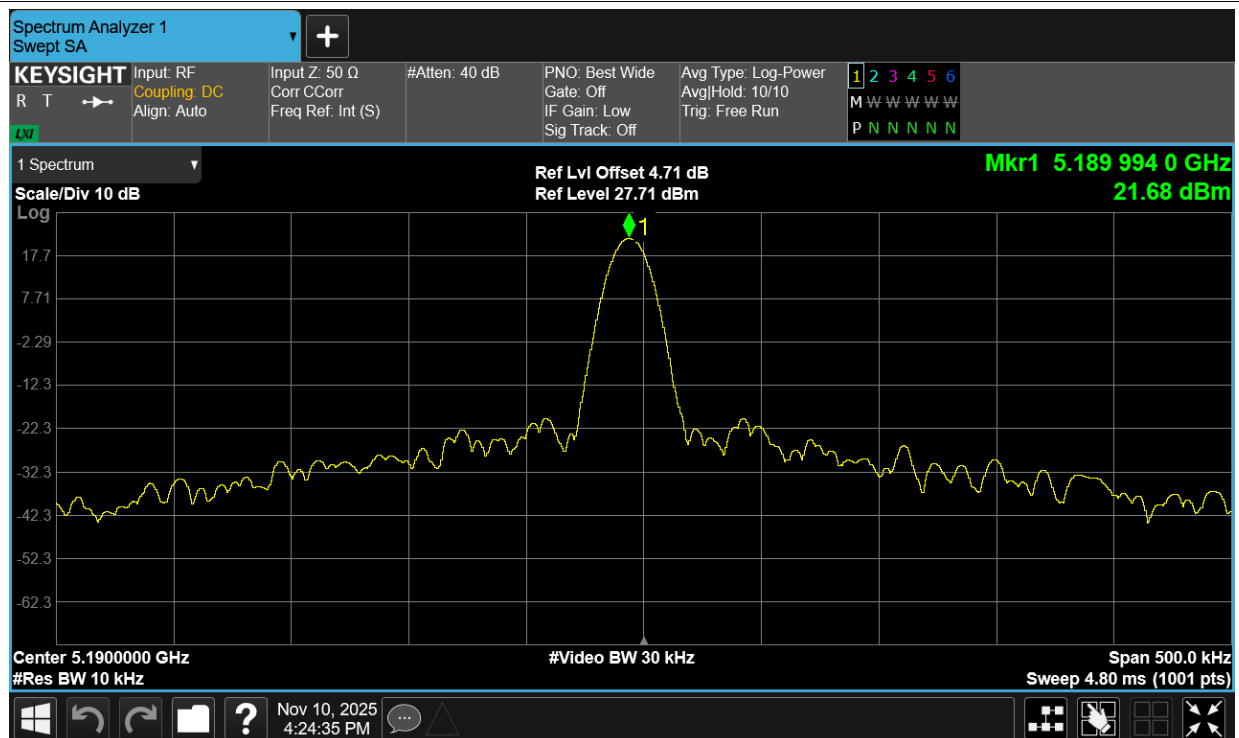
Freq. Stability NVLT 40M 5190MHz Ant1



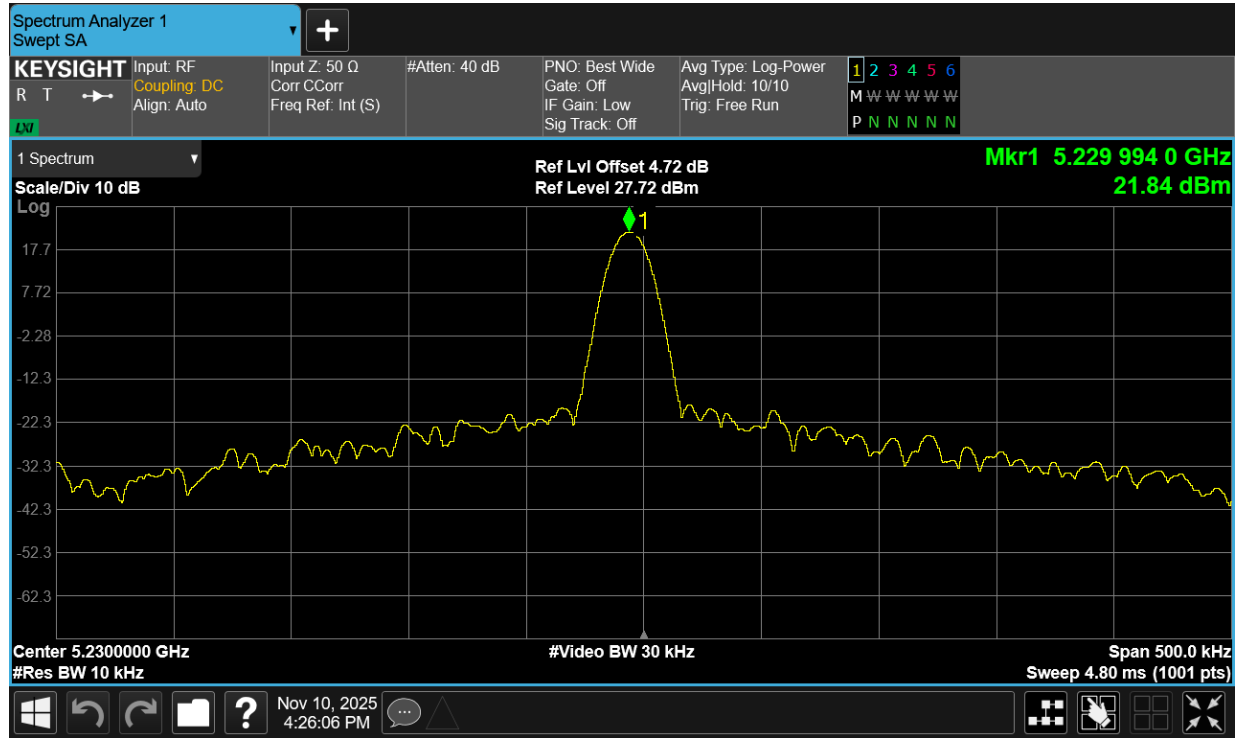
Freq. Stability NVLT 40M 5230MHz Ant1



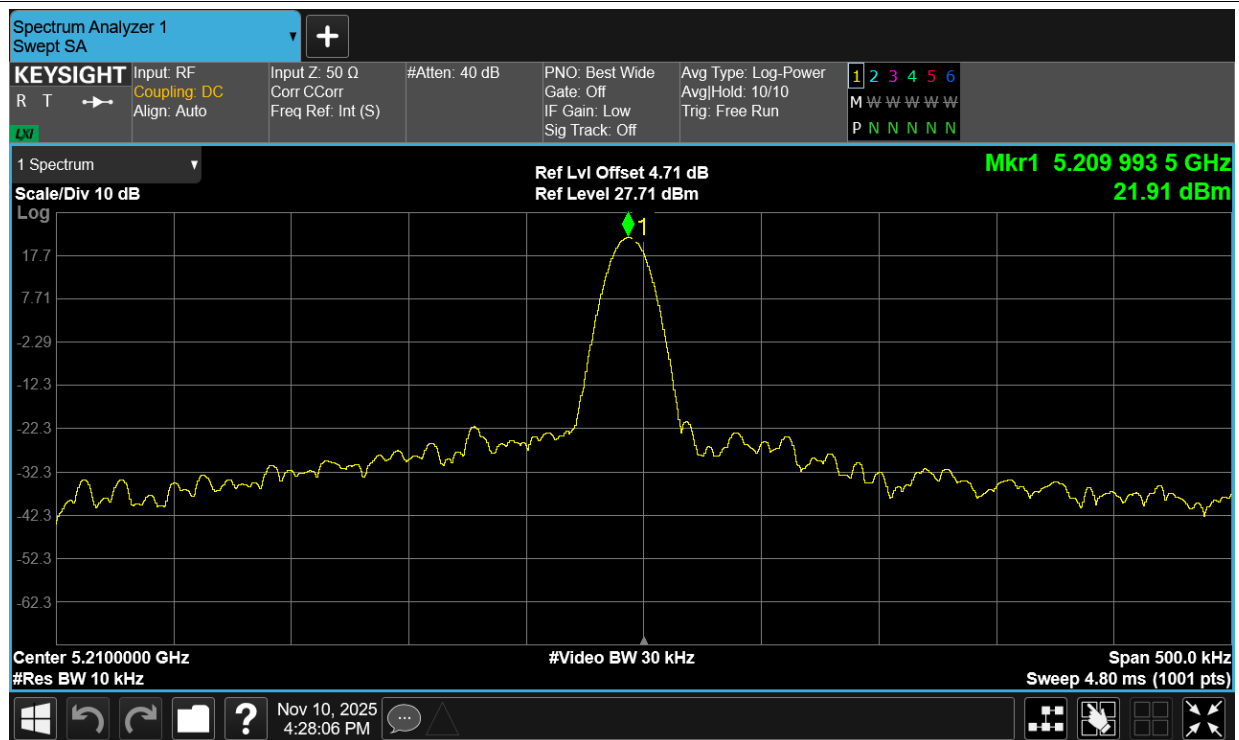
Freq. Stability NVNT 40M 5190MHz Ant1



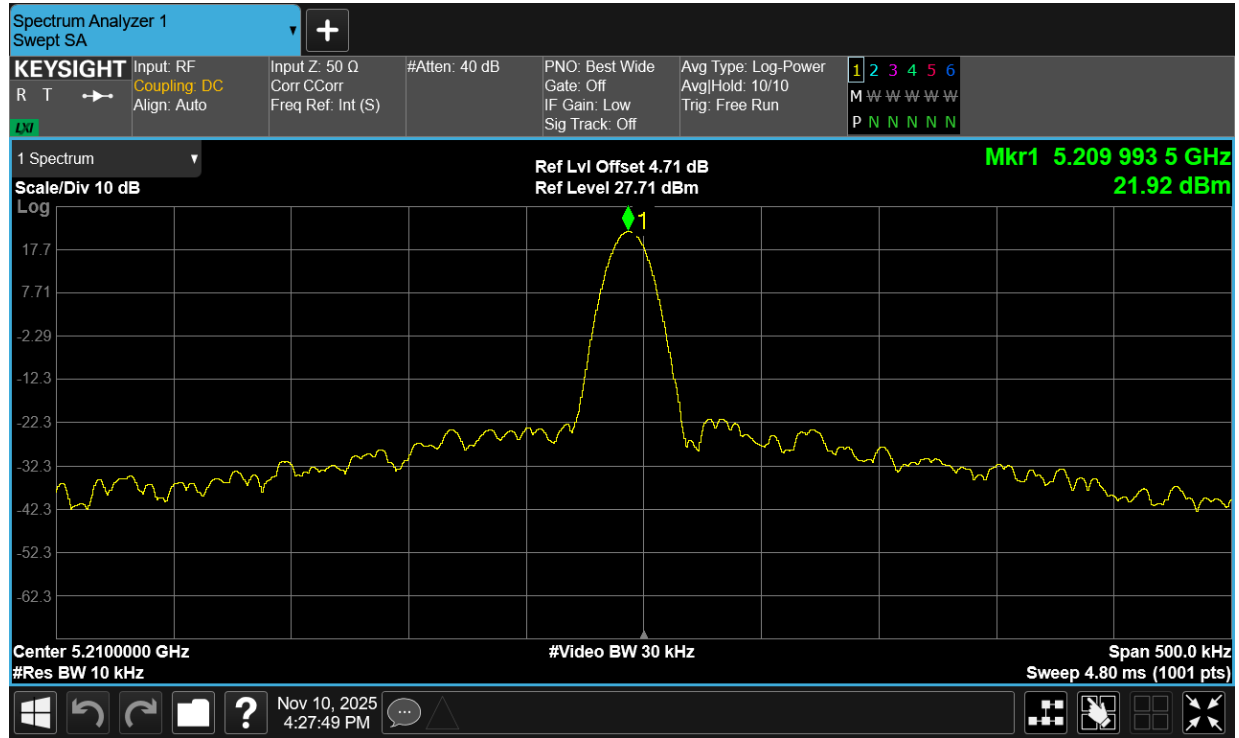
Freq. Stability NVNT 40M 5230MHz Ant1



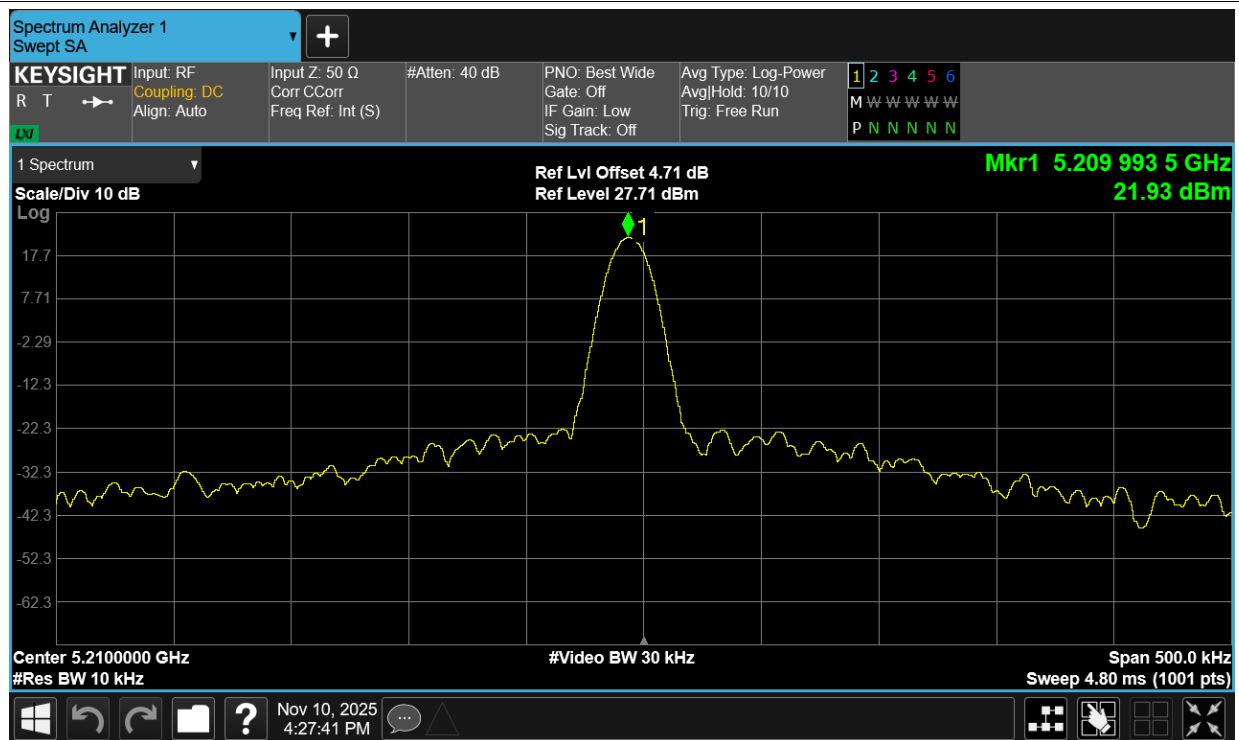
Freq. Stability HVNT 80M 5210MHz Ant1



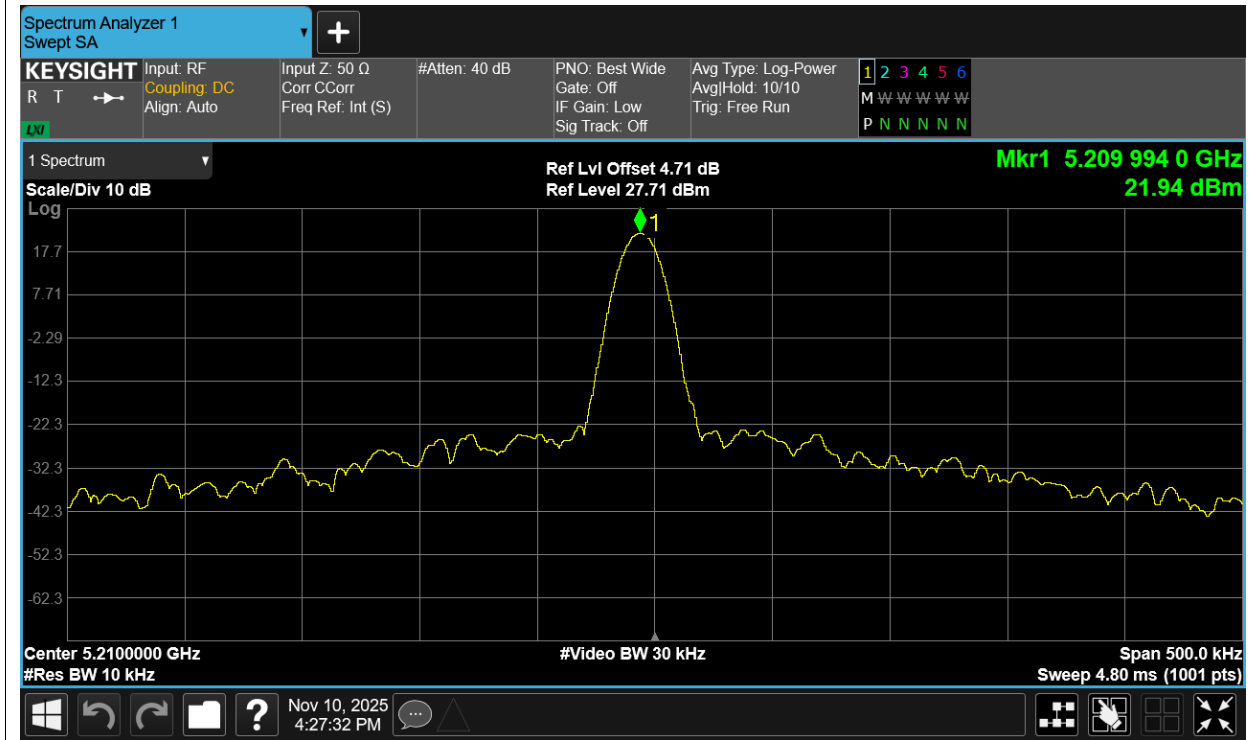
Freq. Stability LVNT 80M 5210MHz Ant1



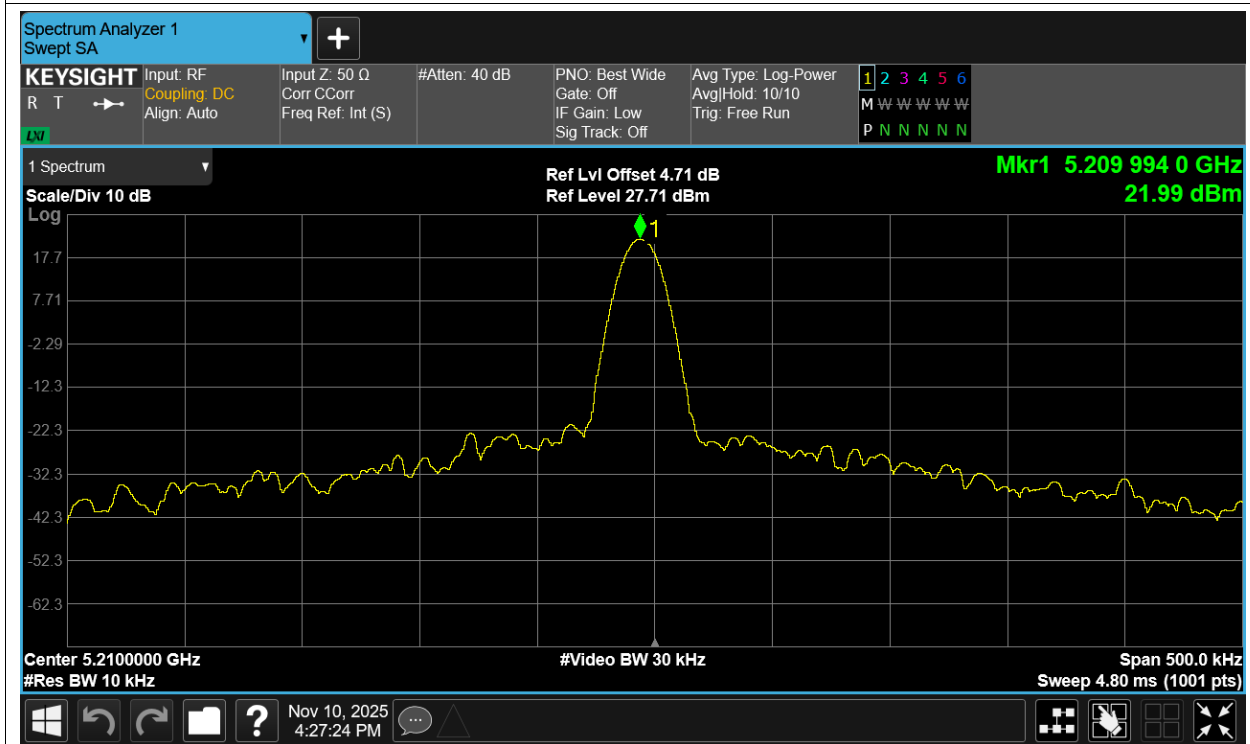
Freq. Stability NVHT 80M 5210MHz Ant1



Freq. Stability NVLT 80M 5210MHz Ant1



Freq. Stability NVNT 80M 5210MHz Ant1



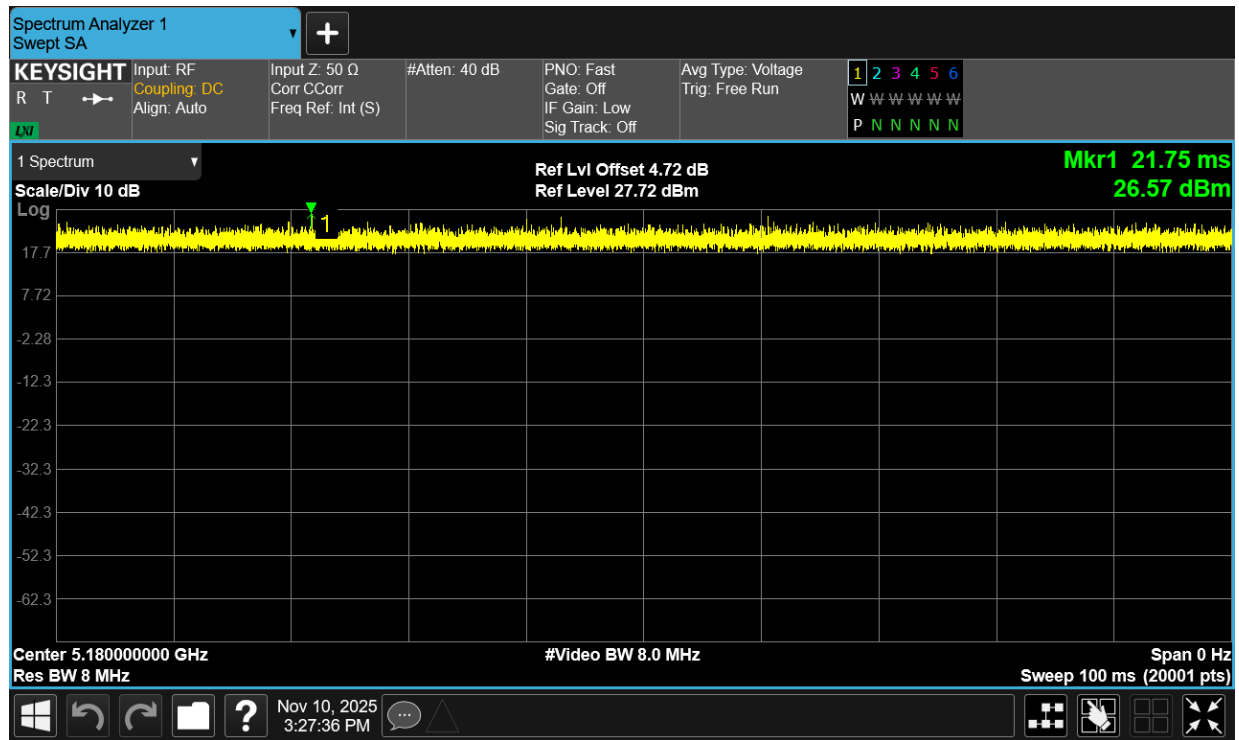


Duty Cycle

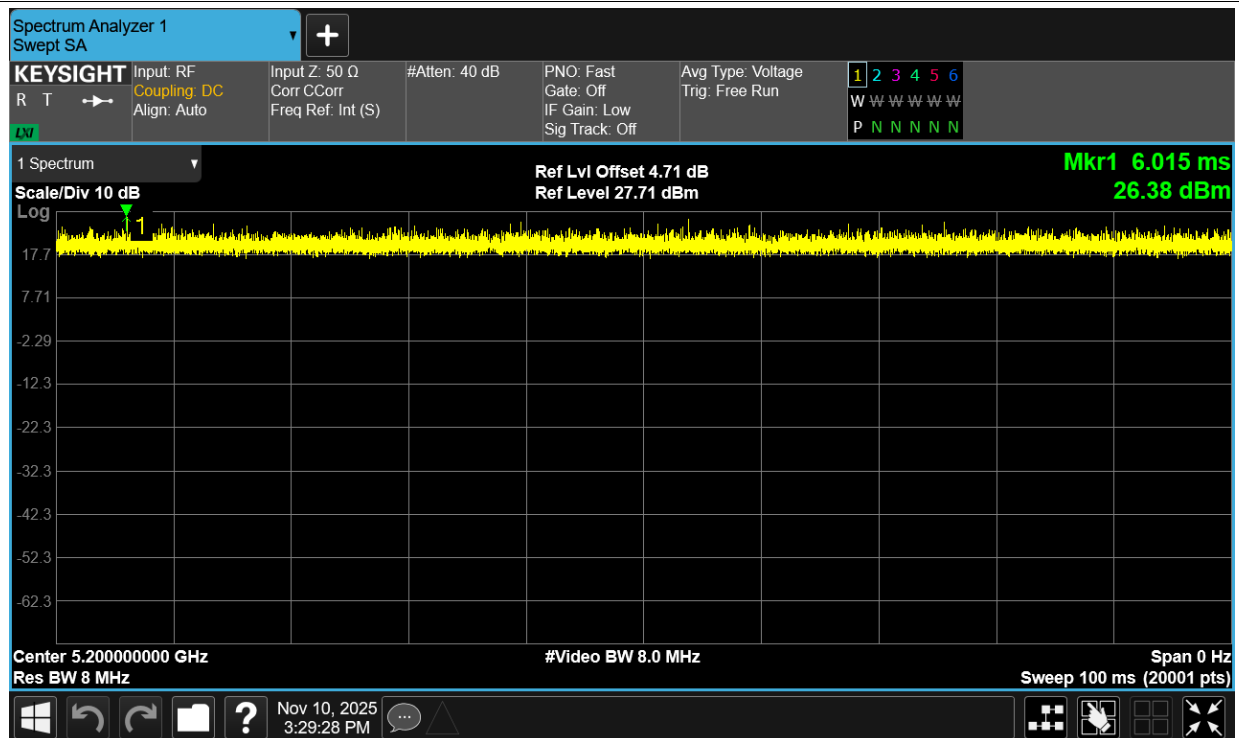
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
NVNT	ac80	5210	Ant1	100	0
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

Test Graphs

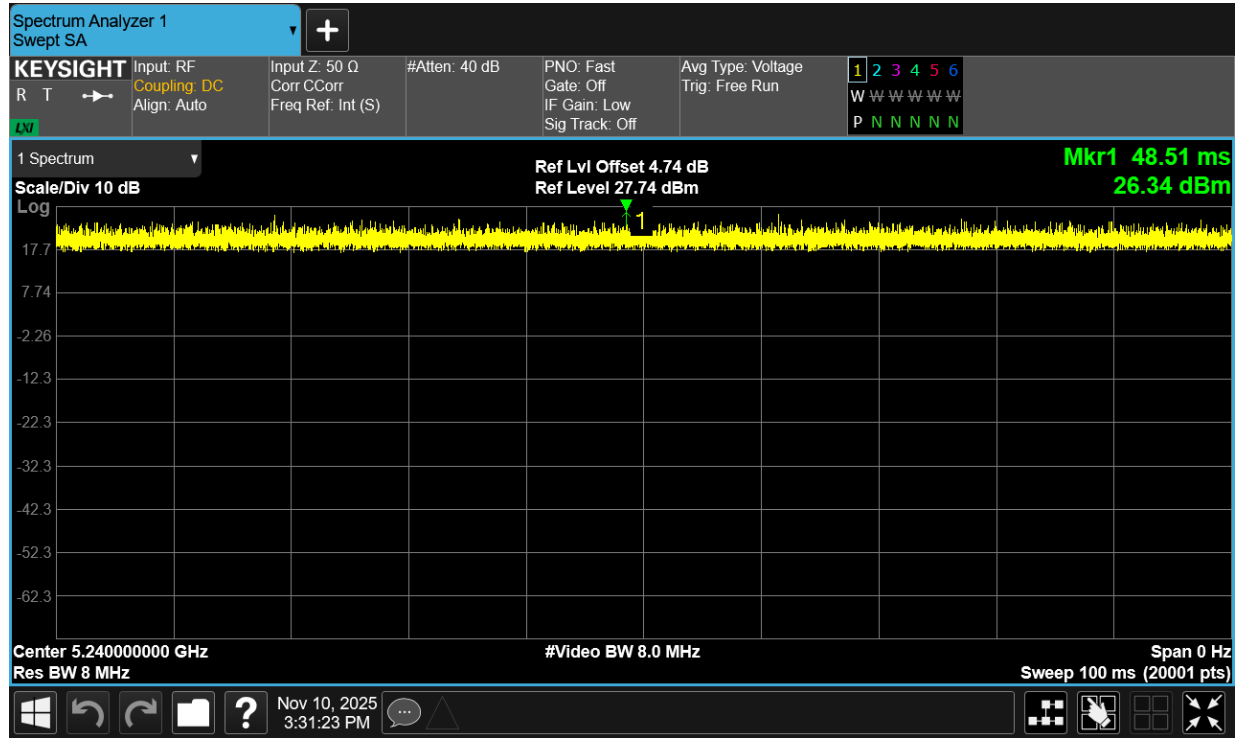
Duty Cycle NVNT a 5180MHz Ant1



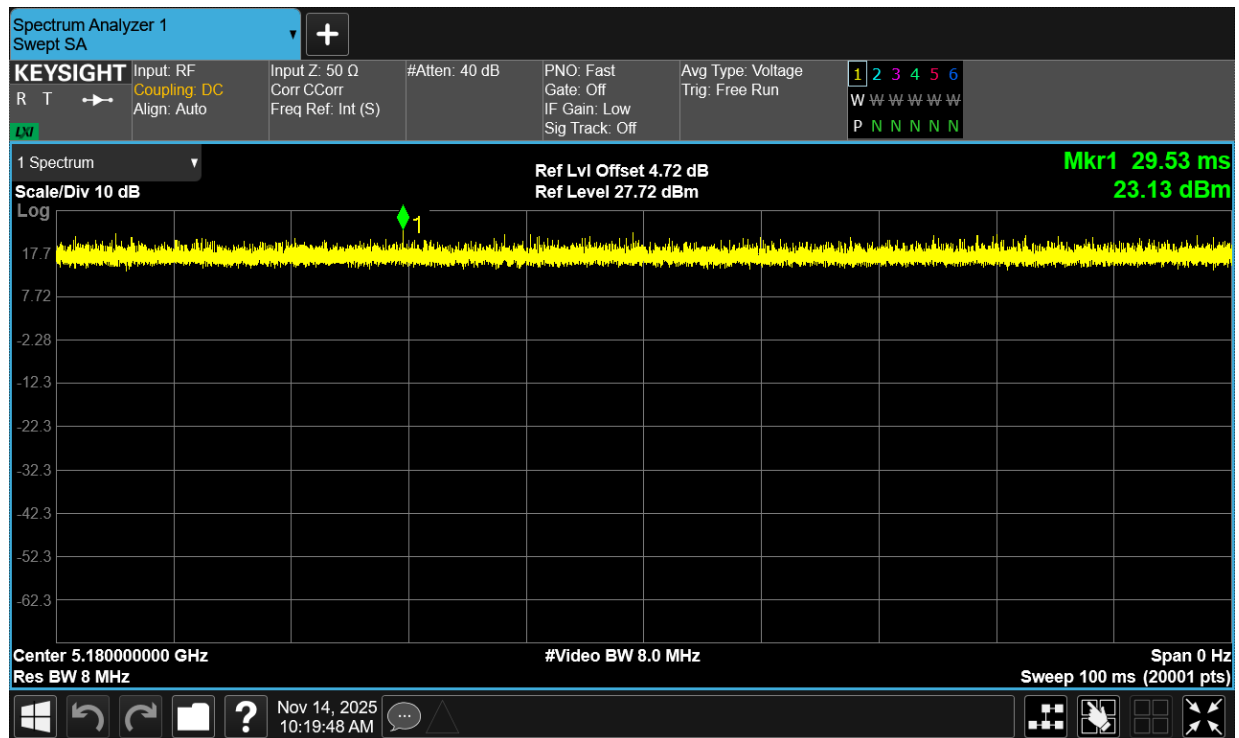
Duty Cycle NVNT a 5200MHz Ant1



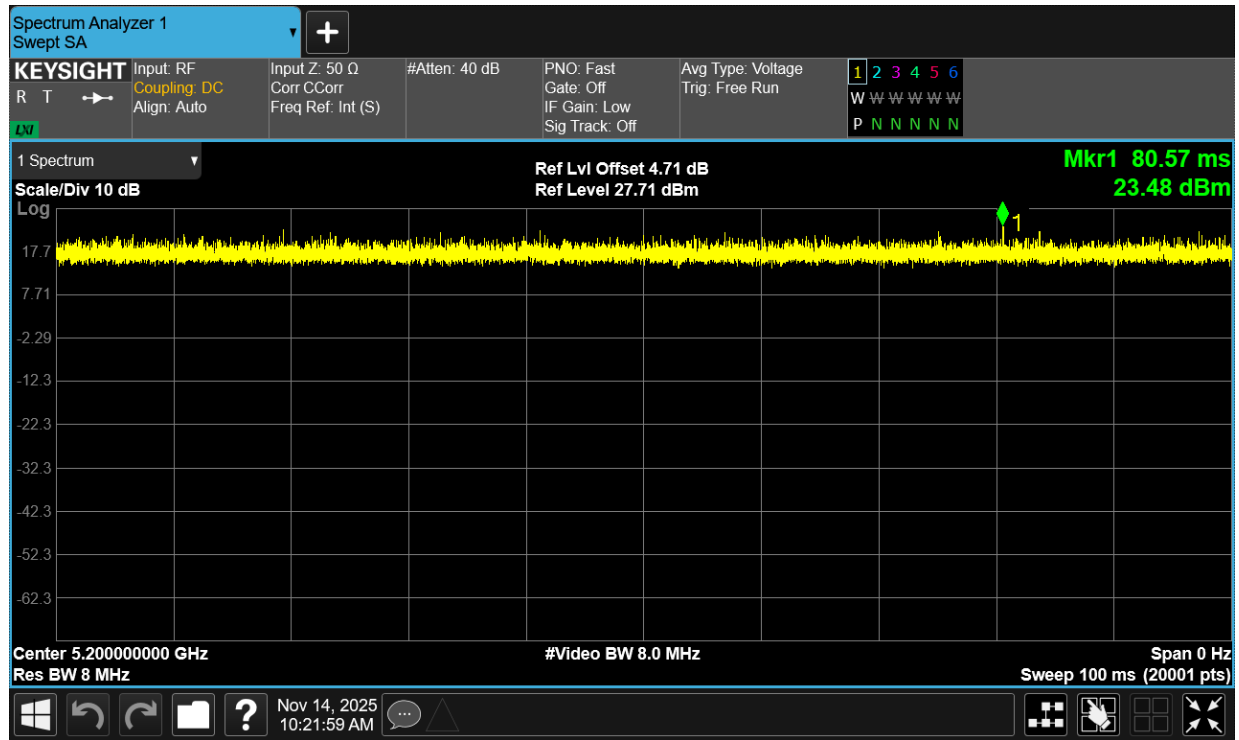
Duty Cycle NVNT a 5240MHz Ant1



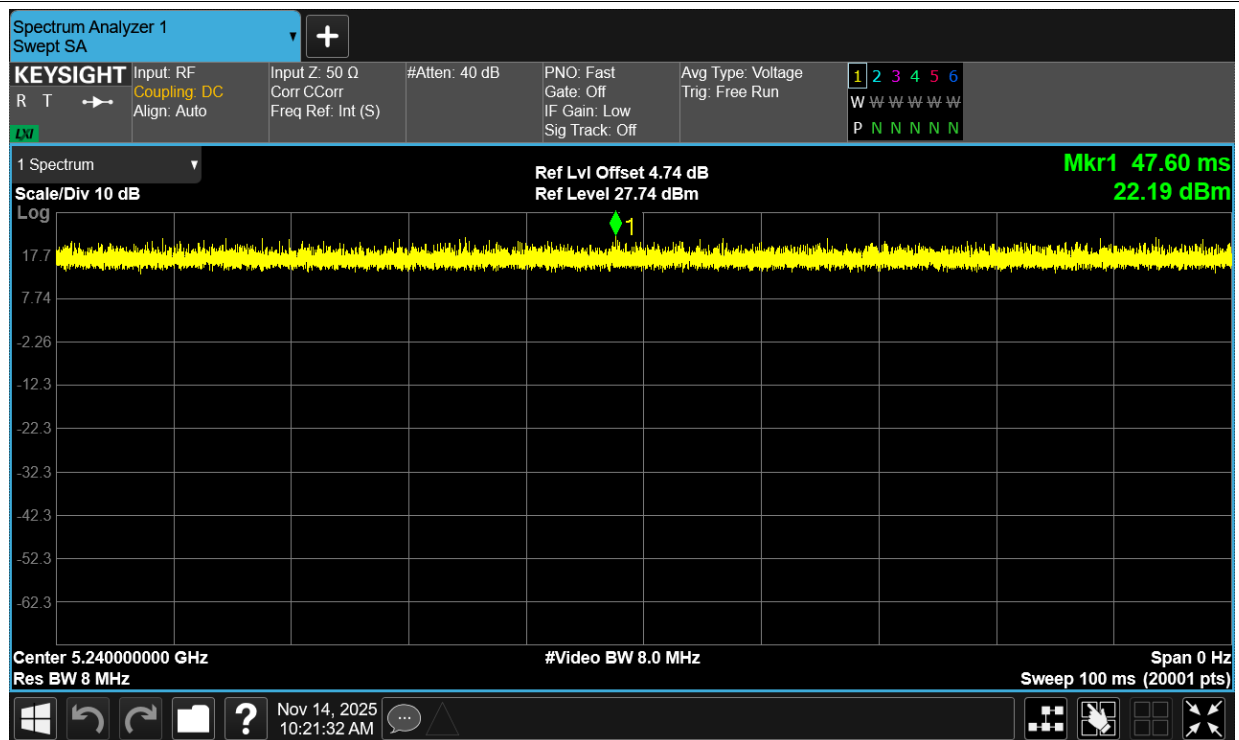
Duty Cycle NVNT ac20 5180MHz Ant1



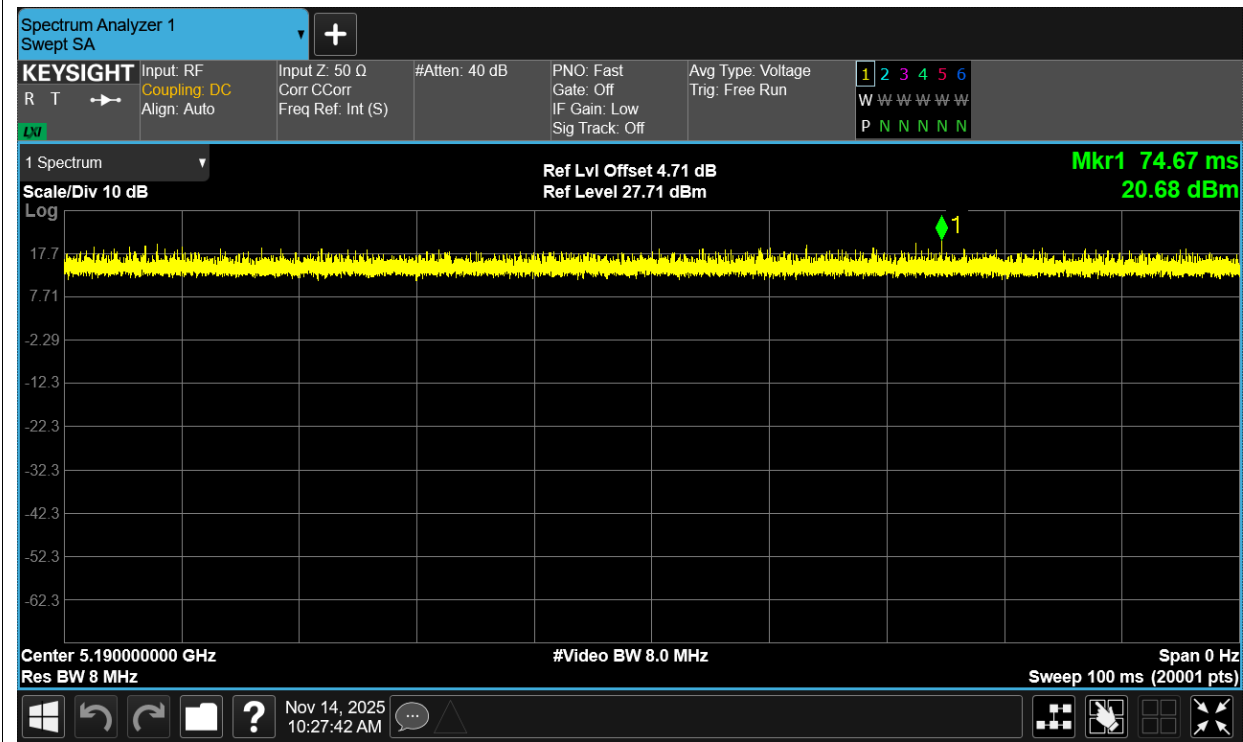
Duty Cycle NVNT ac20 5200MHz Ant1



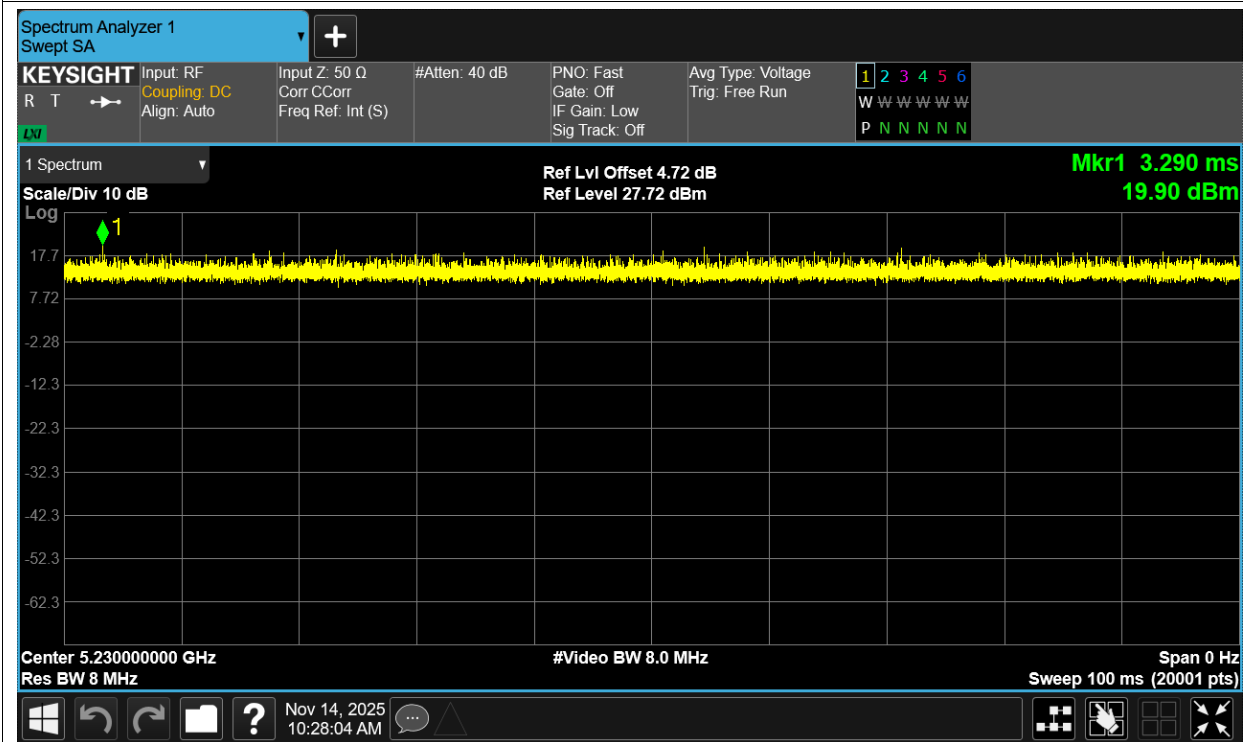
Duty Cycle NVNT ac20 5240MHz Ant1



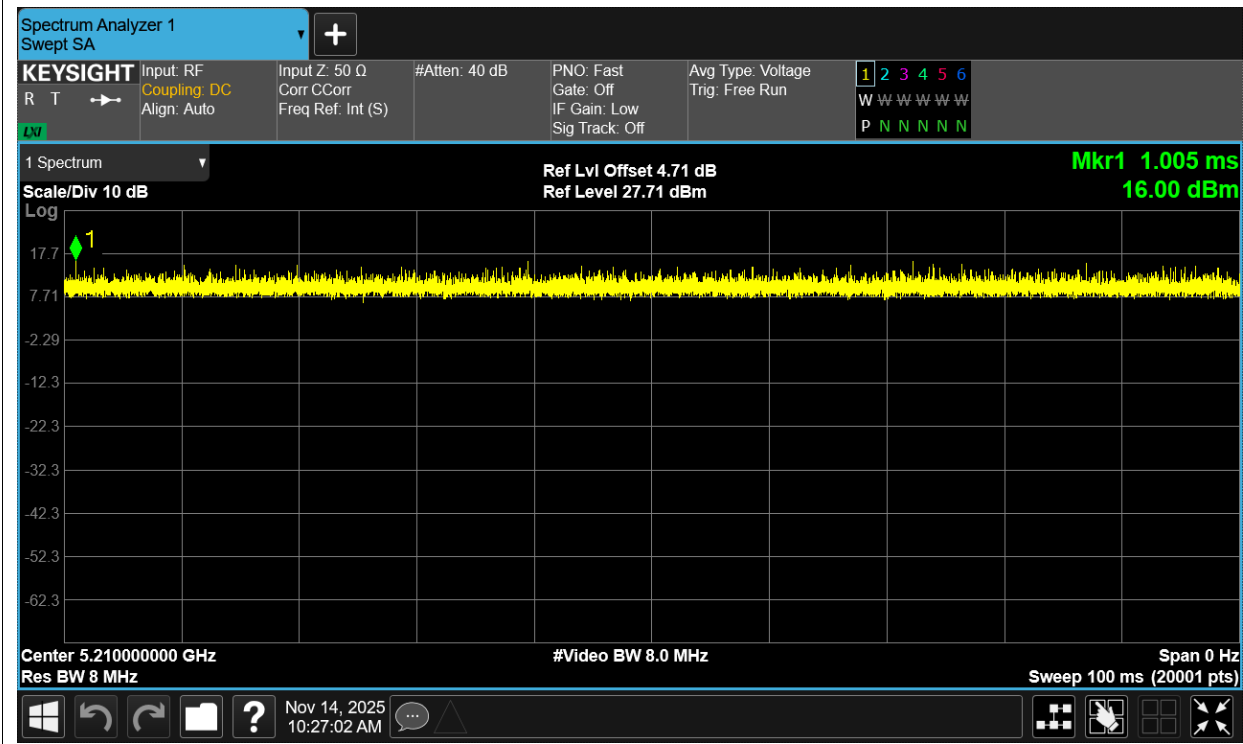
Duty Cycle NVNT ac40 5190MHz Ant1



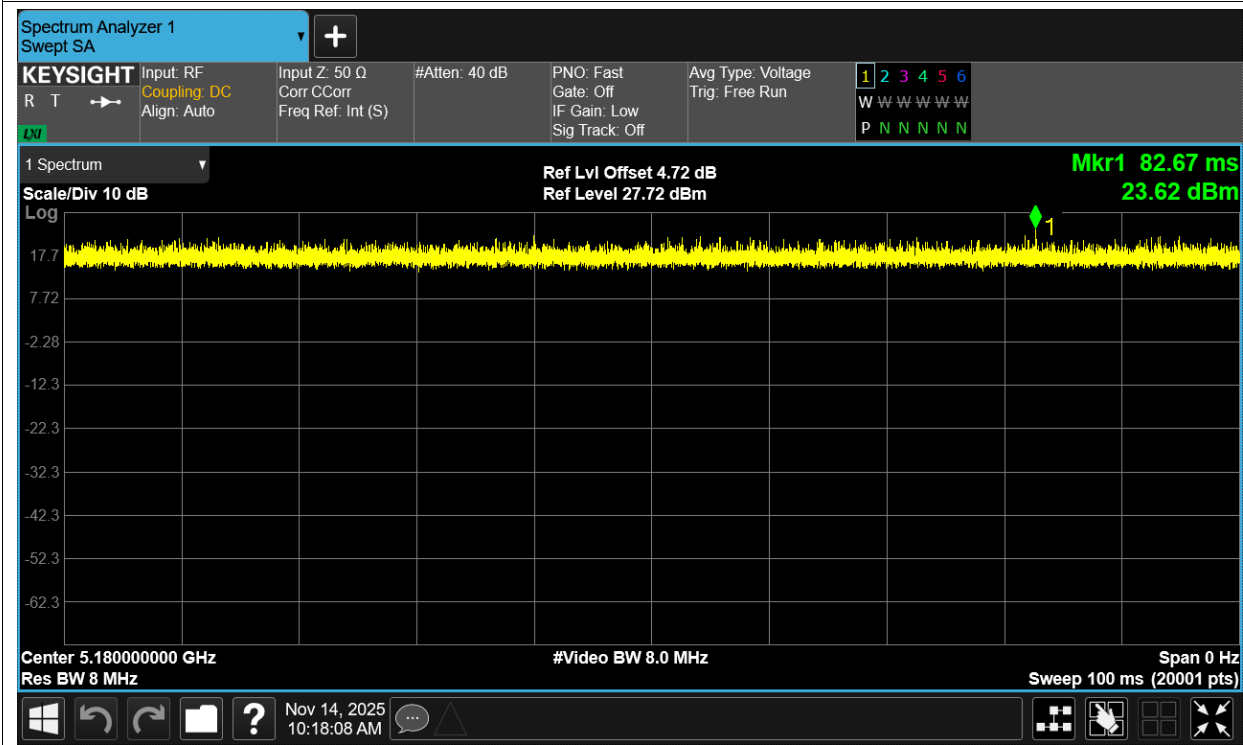
Duty Cycle NVNT ac40 5230MHz Ant1



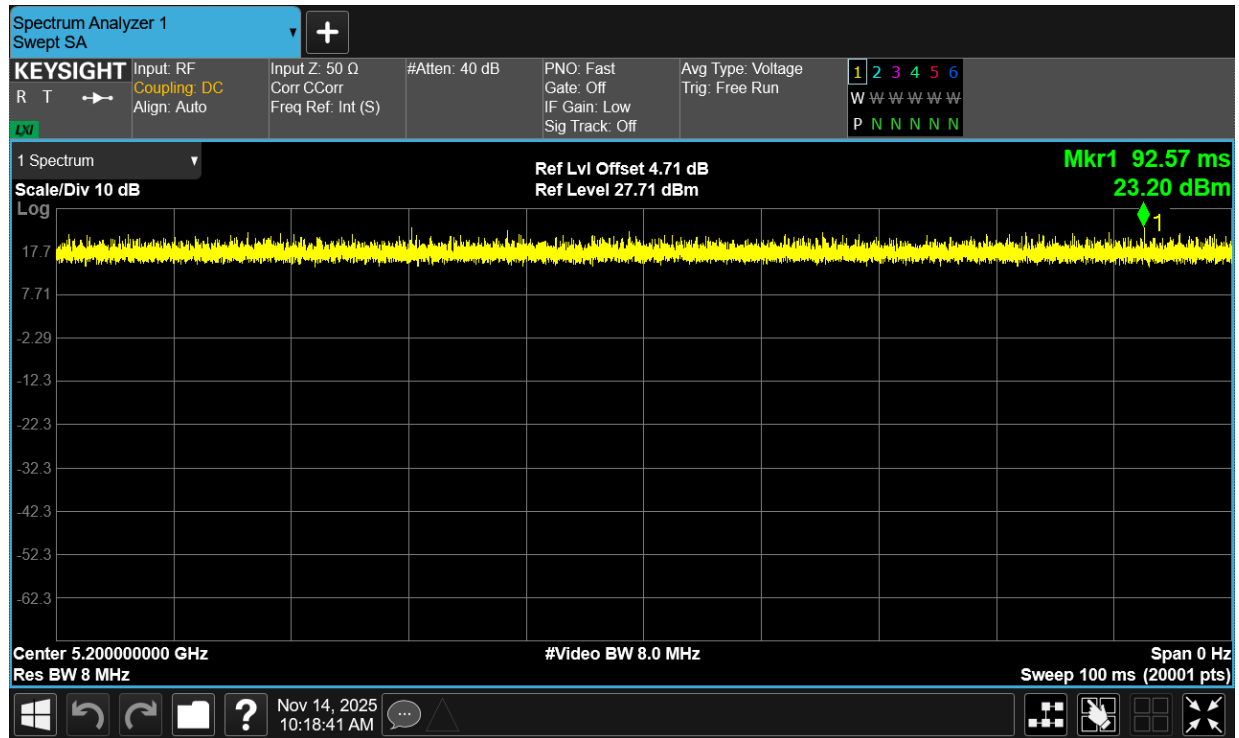
Duty Cycle NVNT ac80 5210MHz Ant1



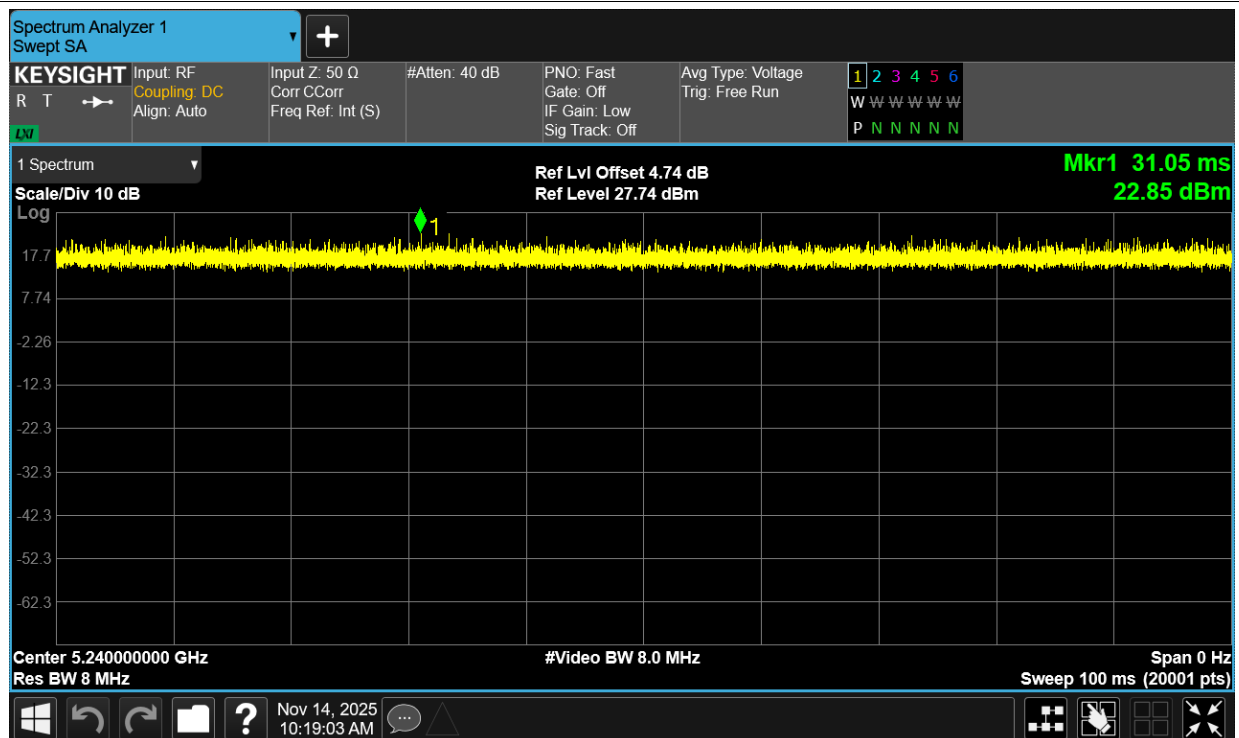
Duty Cycle NVNT n20 5180MHz Ant1



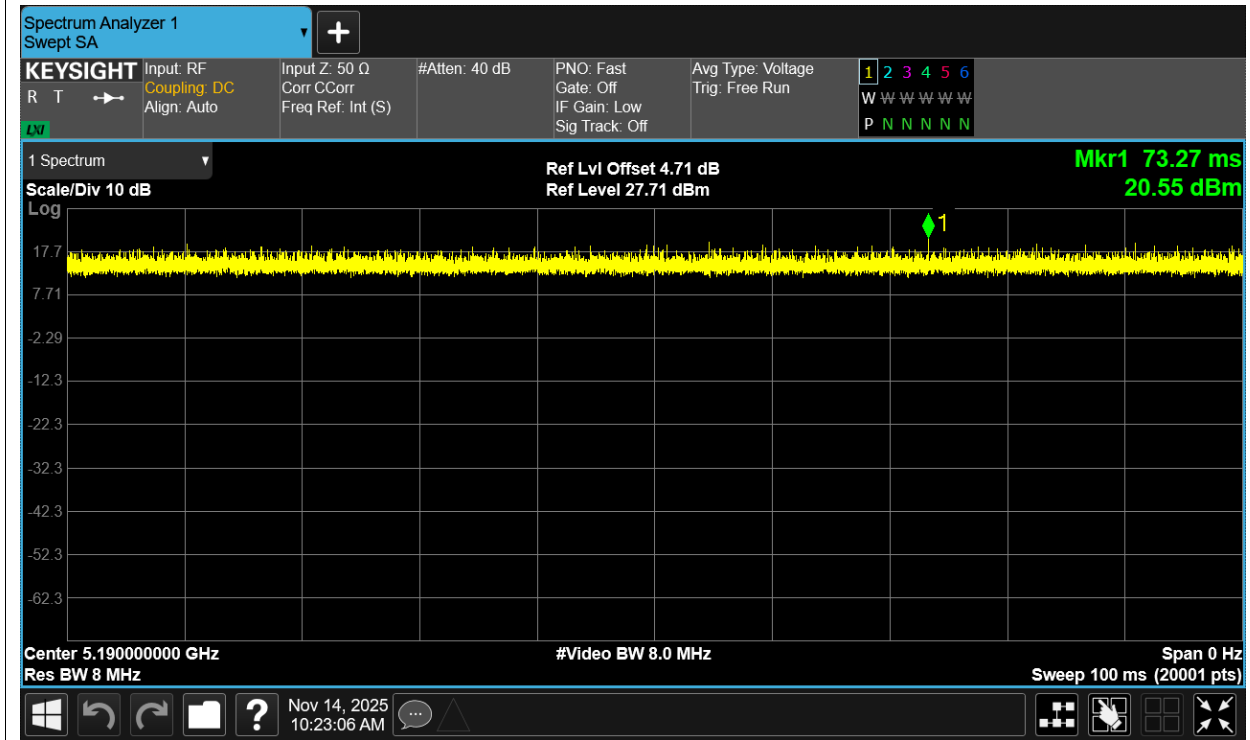
Duty Cycle NVNT n20 5200MHz Ant1



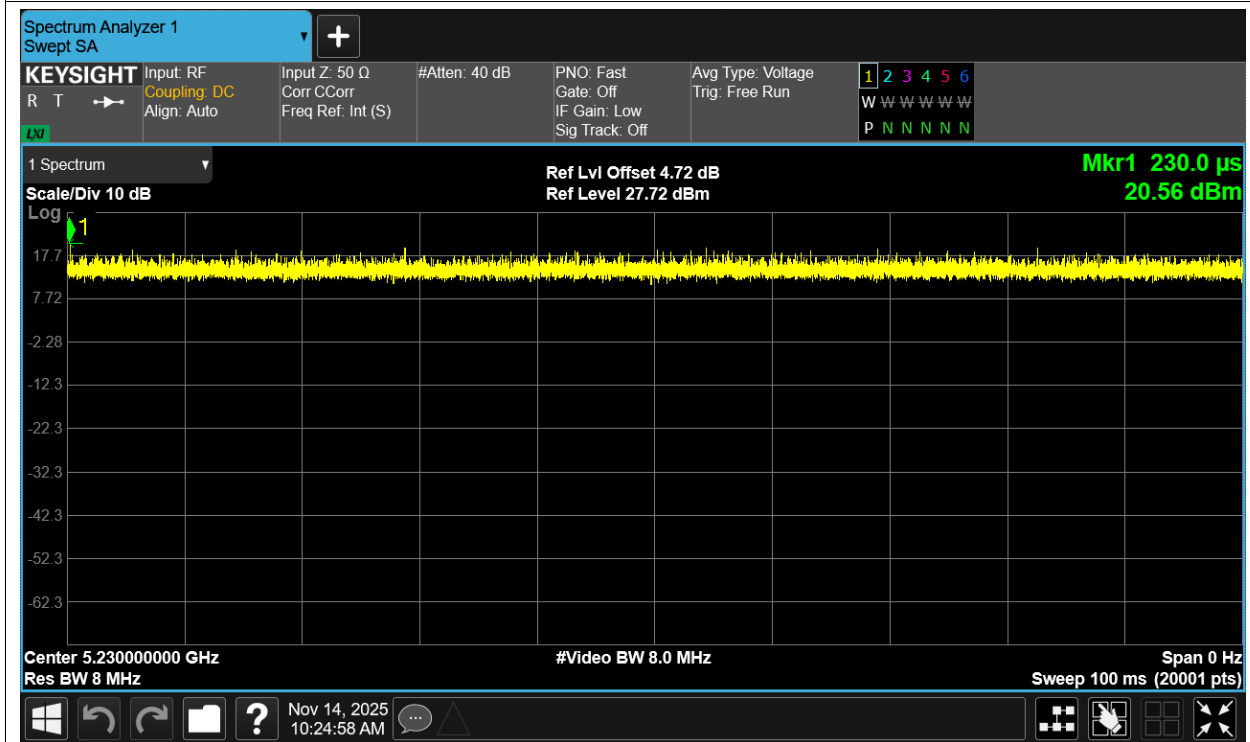
Duty Cycle NVNT n20 5240MHz Ant1



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	15.8	0	15.8	24	Pass
NVNT	a	5200	Ant1	15.48	0	15.48	24	Pass
NVNT	a	5240	Ant1	15.76	0	15.76	24	Pass
NVNT	ac20	5180	Ant1	13.38	0	13.38	24	Pass
NVNT	ac20	5200	Ant1	13.2	0	13.2	24	Pass
NVNT	ac20	5240	Ant1	13.57	0	13.57	24	Pass
NVNT	ac40	5190	Ant1	13.48	0	13.48	23	Pass
NVNT	ac40	5230	Ant1	12.92	0	12.92	24	Pass
NVNT	ac80	5210	Ant1	12.2	0	12.2	24	Pass
NVNT	n20	5180	Ant1	13.55	0	13.55	24	Pass
NVNT	n20	5200	Ant1	13.37	0	13.37	24	Pass
NVNT	n20	5240	Ant1	13.66	0	13.66	24	Pass
NVNT	n40	5190	Ant1	13.38	0	13.38	24	Pass
NVNT	n40	5230	Ant1	13.38	0	13.38	24	Pass

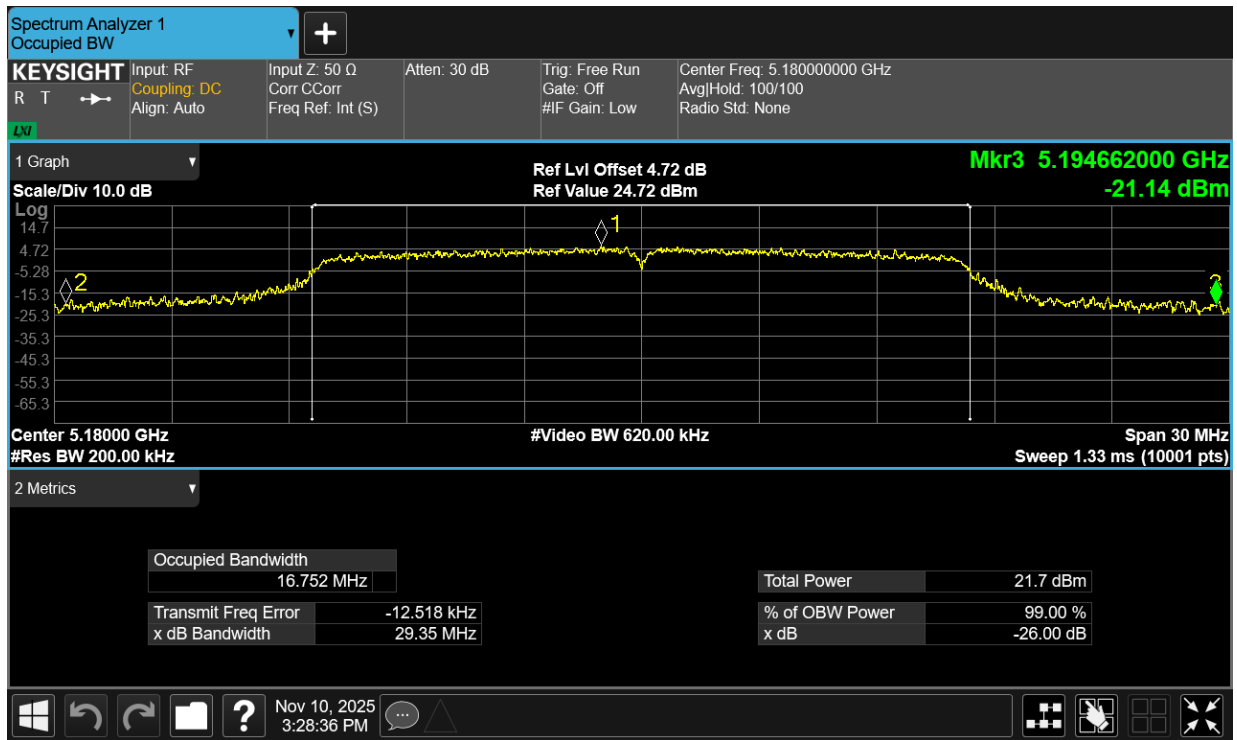


-26dB Bandwidth

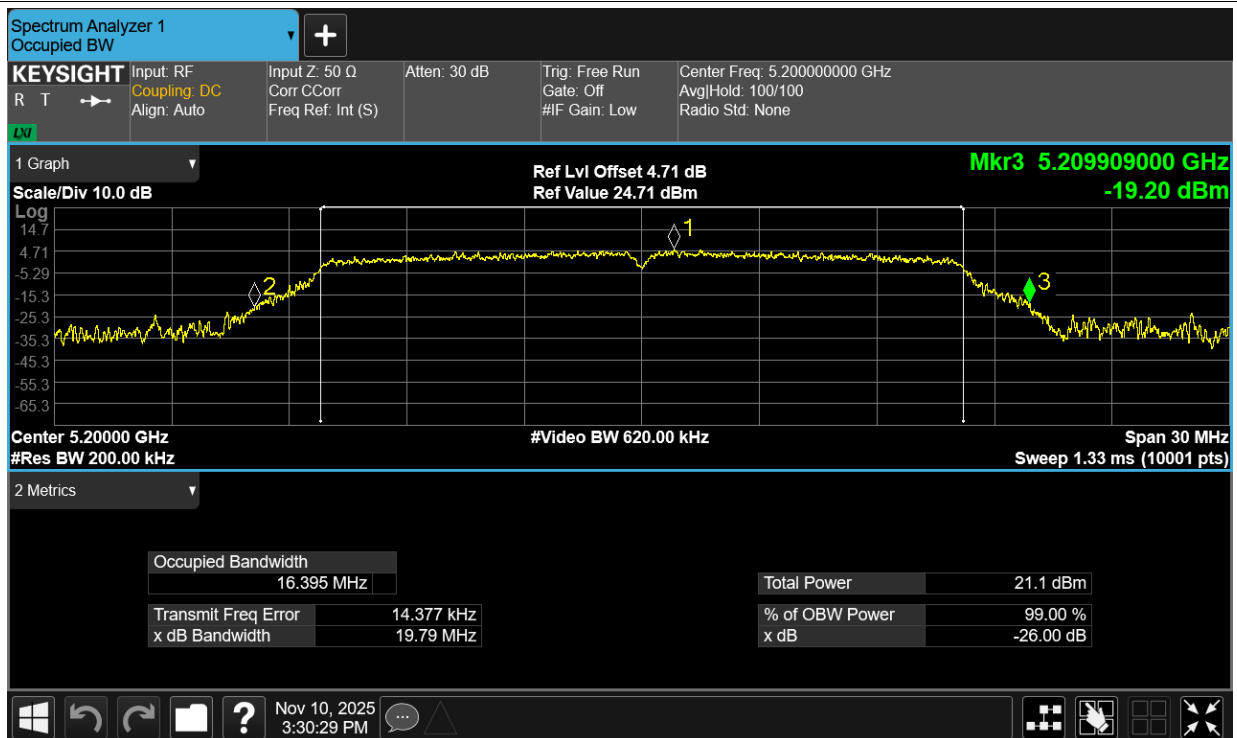
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	29.349
NVNT	a	5200	Ant1	19.79
NVNT	a	5240	Ant1	19.83
NVNT	ac20	5180	Ant1	26.114
NVNT	ac20	5200	Ant1	20.113
NVNT	ac20	5240	Ant1	20.105
NVNT	ac40	5190	Ant1	40.058
NVNT	ac40	5230	Ant1	40.206
NVNT	ac80	5210	Ant1	80.618
NVNT	n20	5180	Ant1	26.46
NVNT	n20	5200	Ant1	20.08
NVNT	n20	5240	Ant1	20.384
NVNT	n40	5190	Ant1	40.271
NVNT	n40	5230	Ant1	40.273

Test Graphs

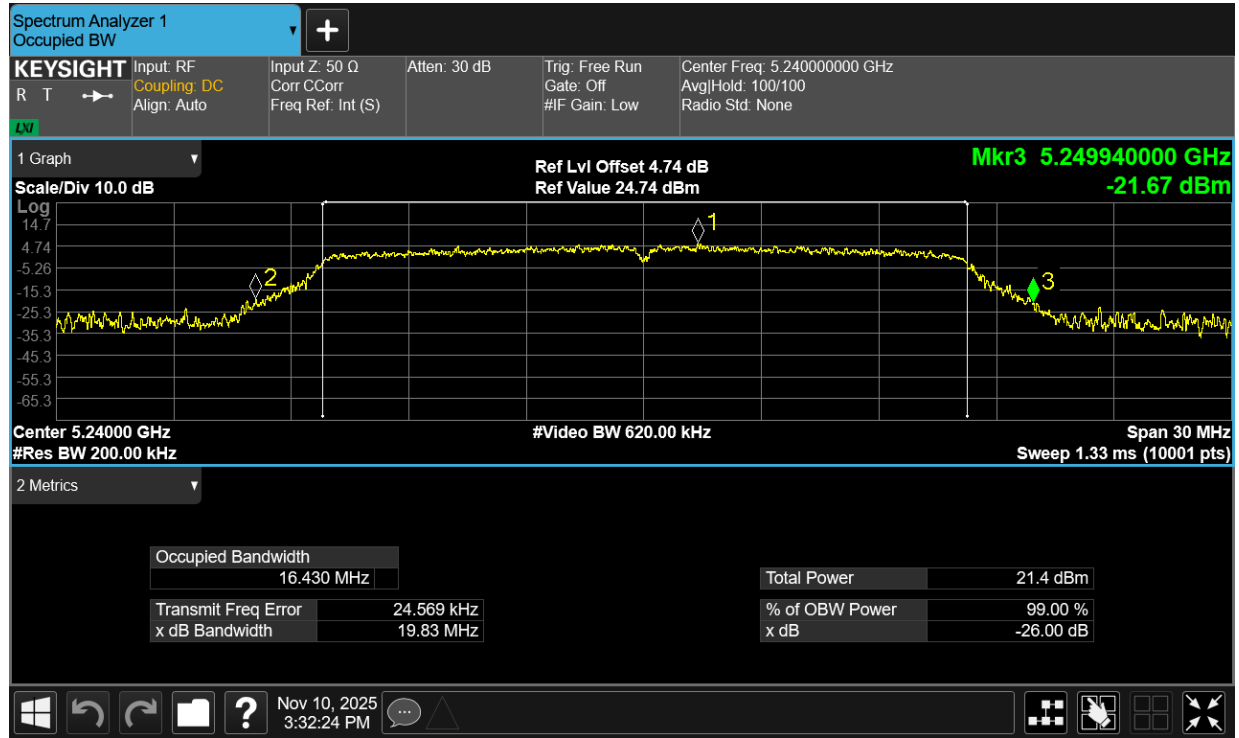
-26dB Bandwidth NVNT a 5180MHz Ant1



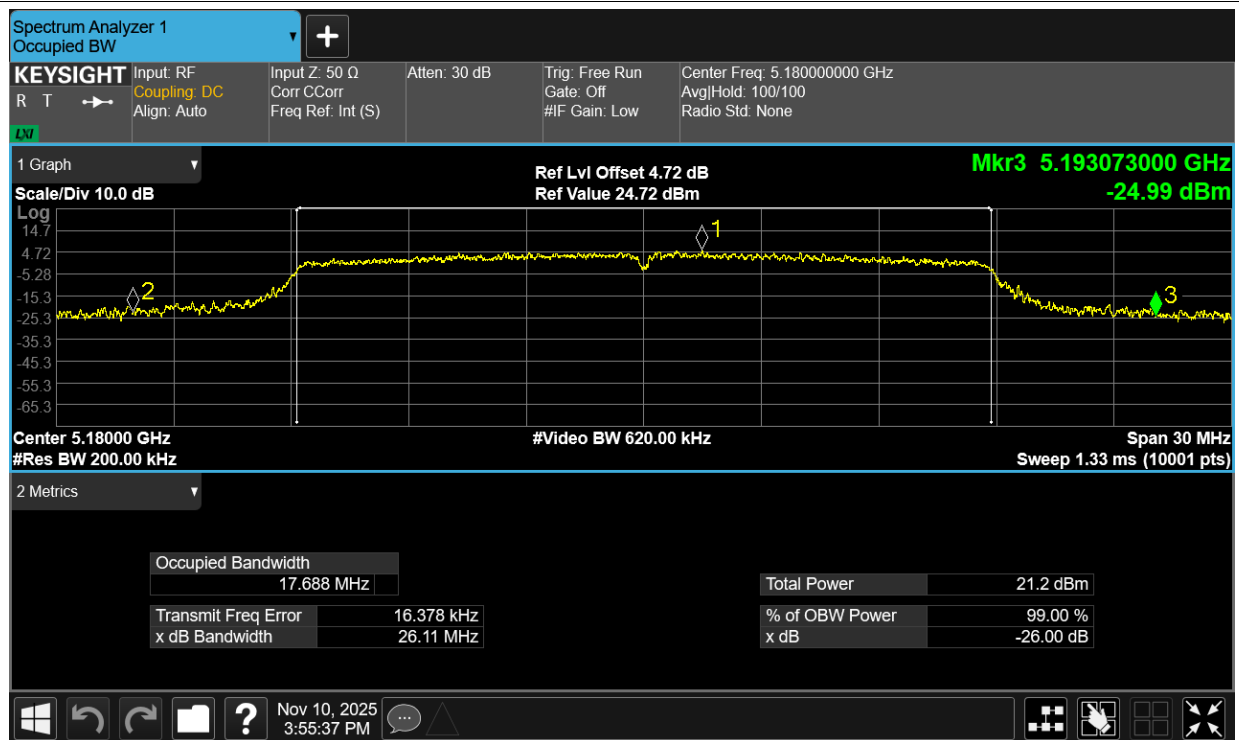
-26dB Bandwidth NVNT a 5200MHz Ant1



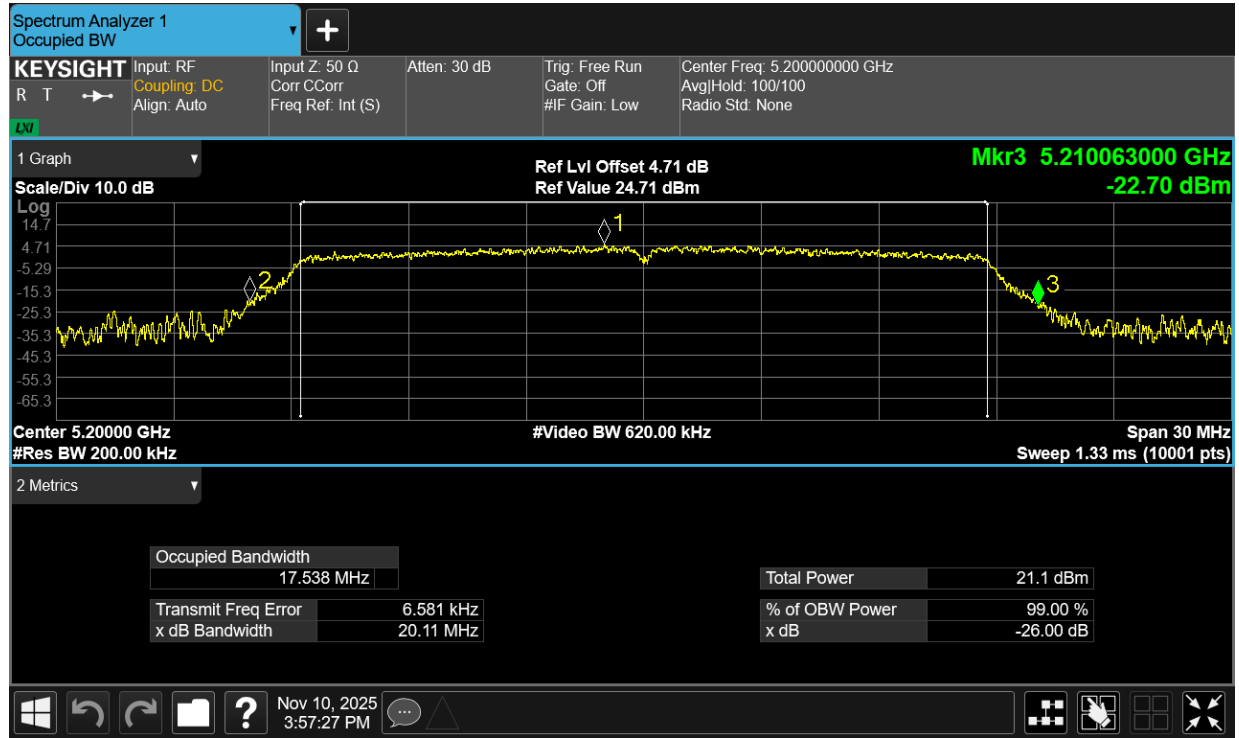
-26dB Bandwidth NVNT a 5240MHz Ant1



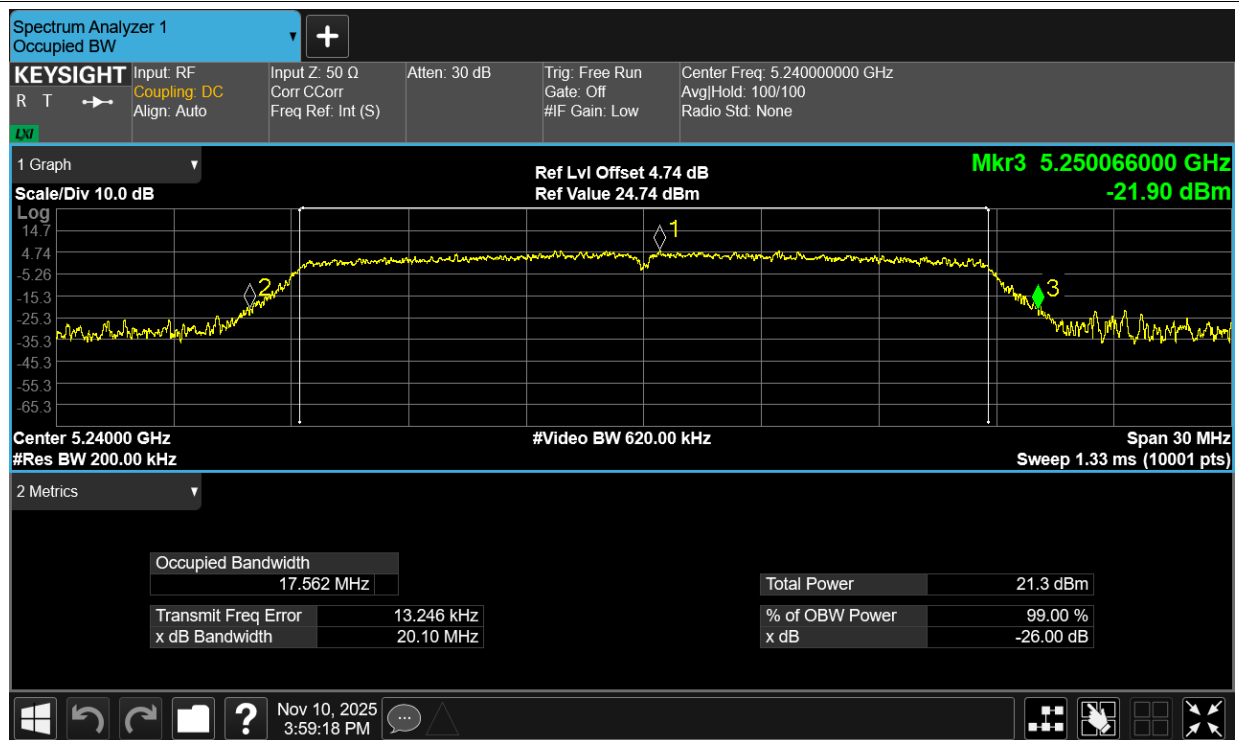
-26dB Bandwidth NVNT ac20 5180MHz Ant1



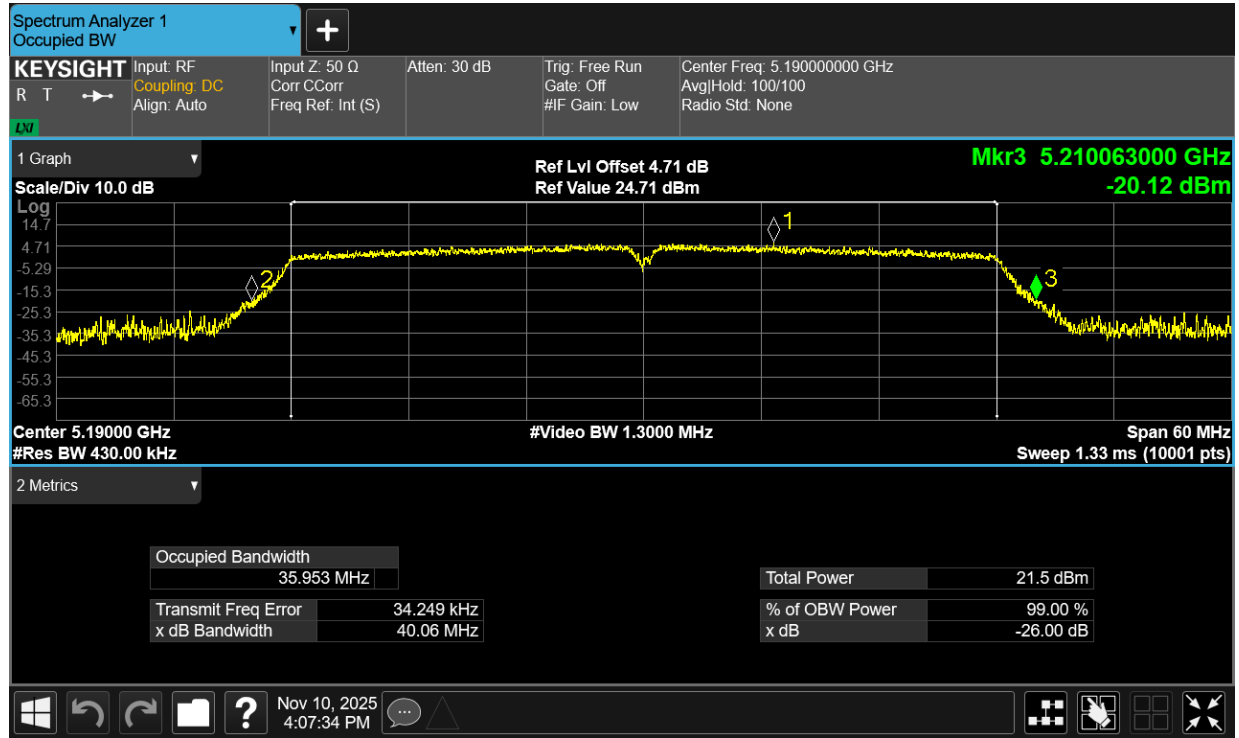
-26dB Bandwidth NVNT ac20 5200MHz Ant1



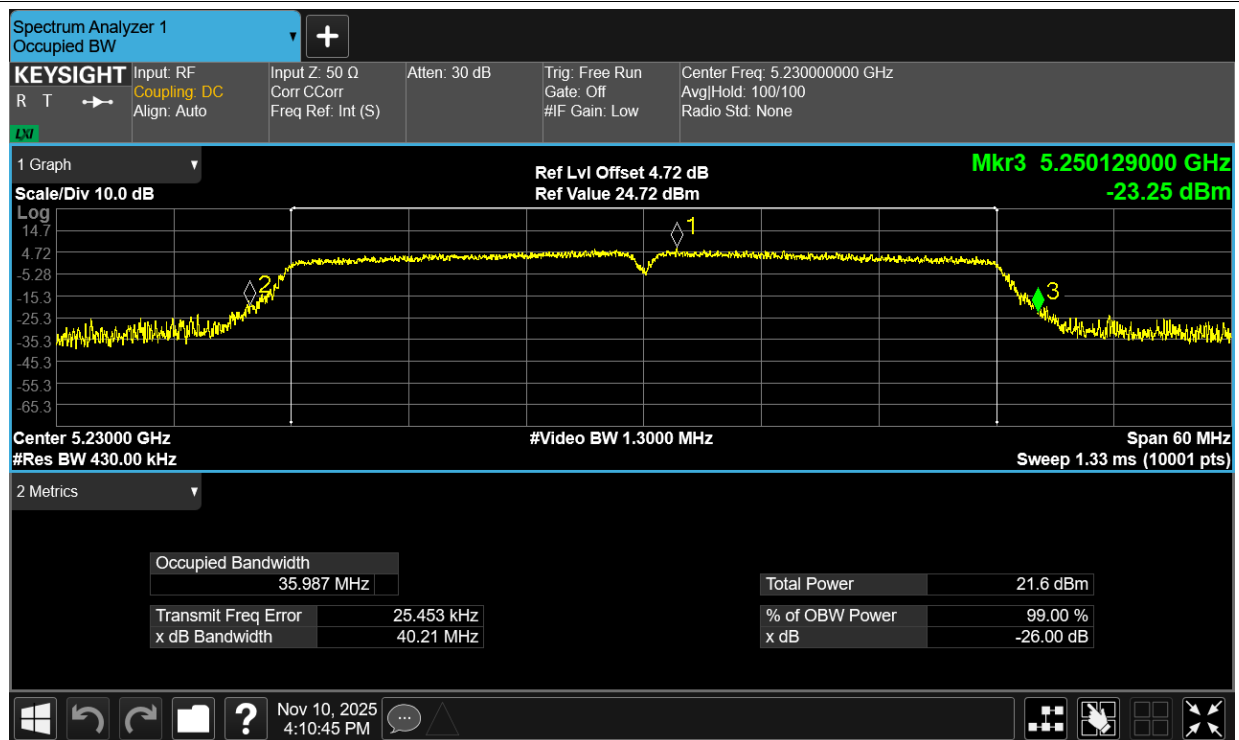
-26dB Bandwidth NVNT ac20 5240MHz Ant1



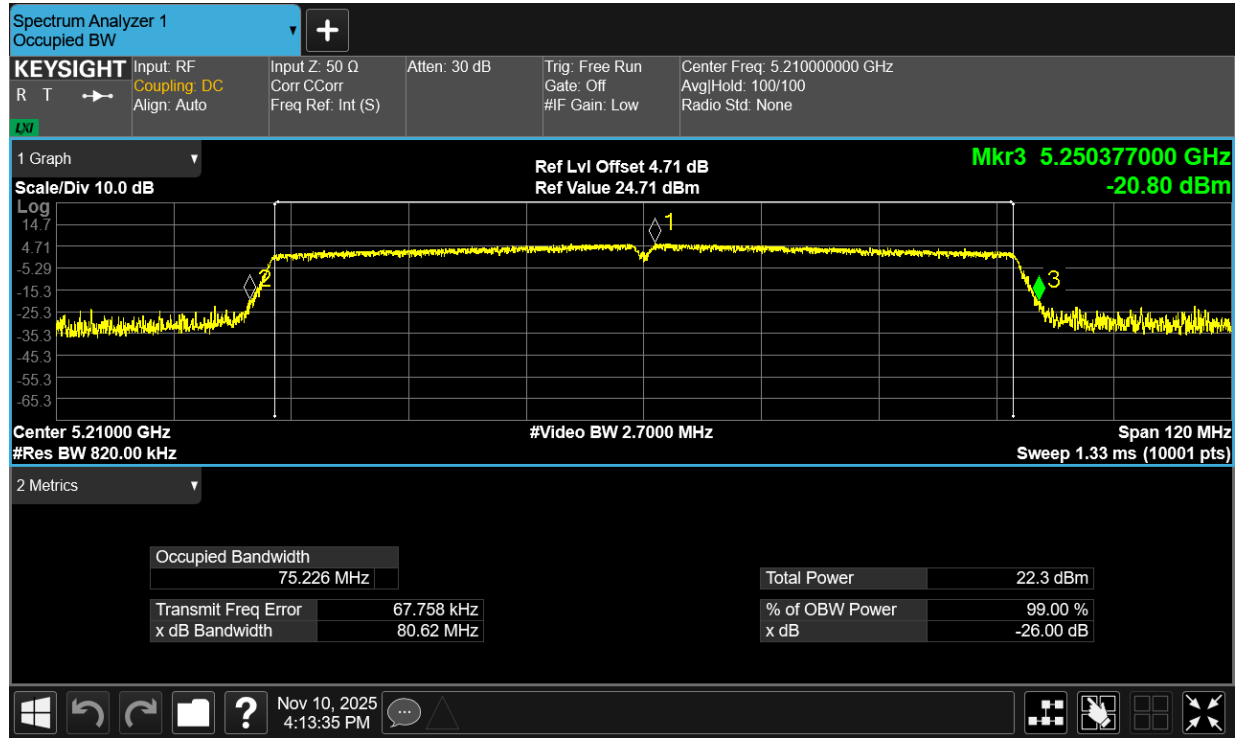
-26dB Bandwidth NVNT ac40 5190MHz Ant1



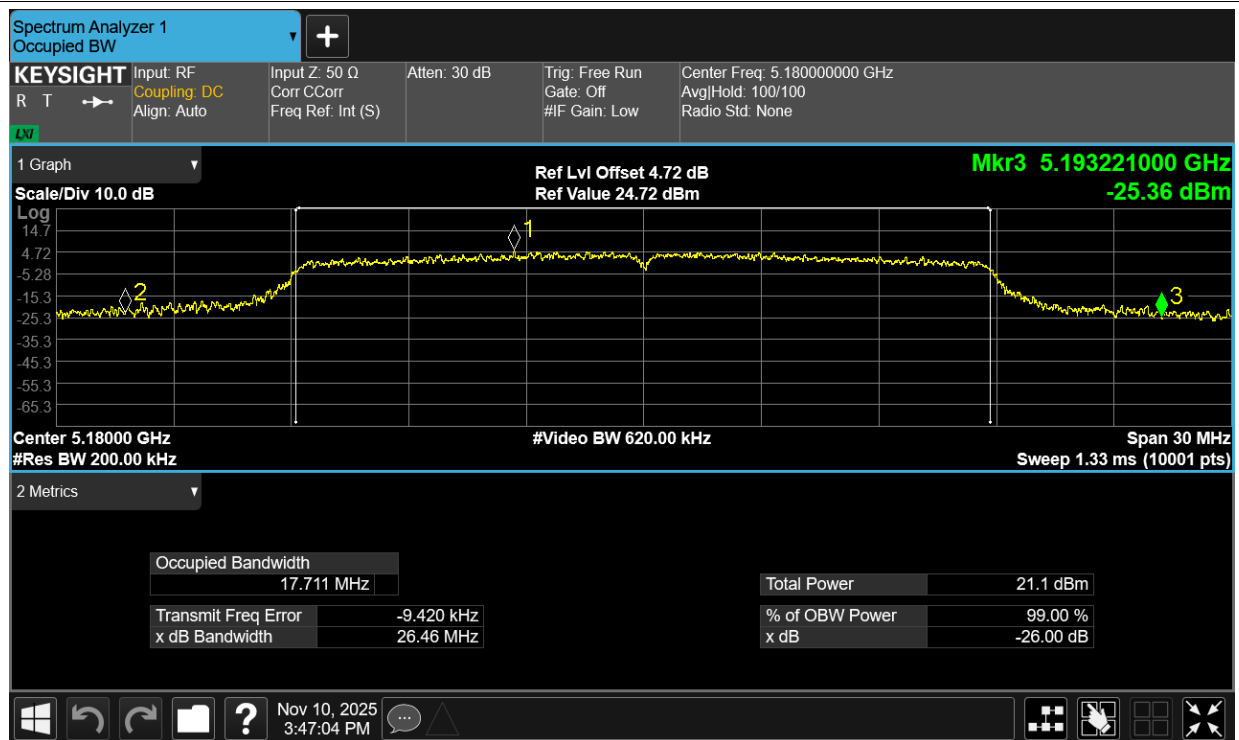
-26dB Bandwidth NVNT ac40 5230MHz Ant1



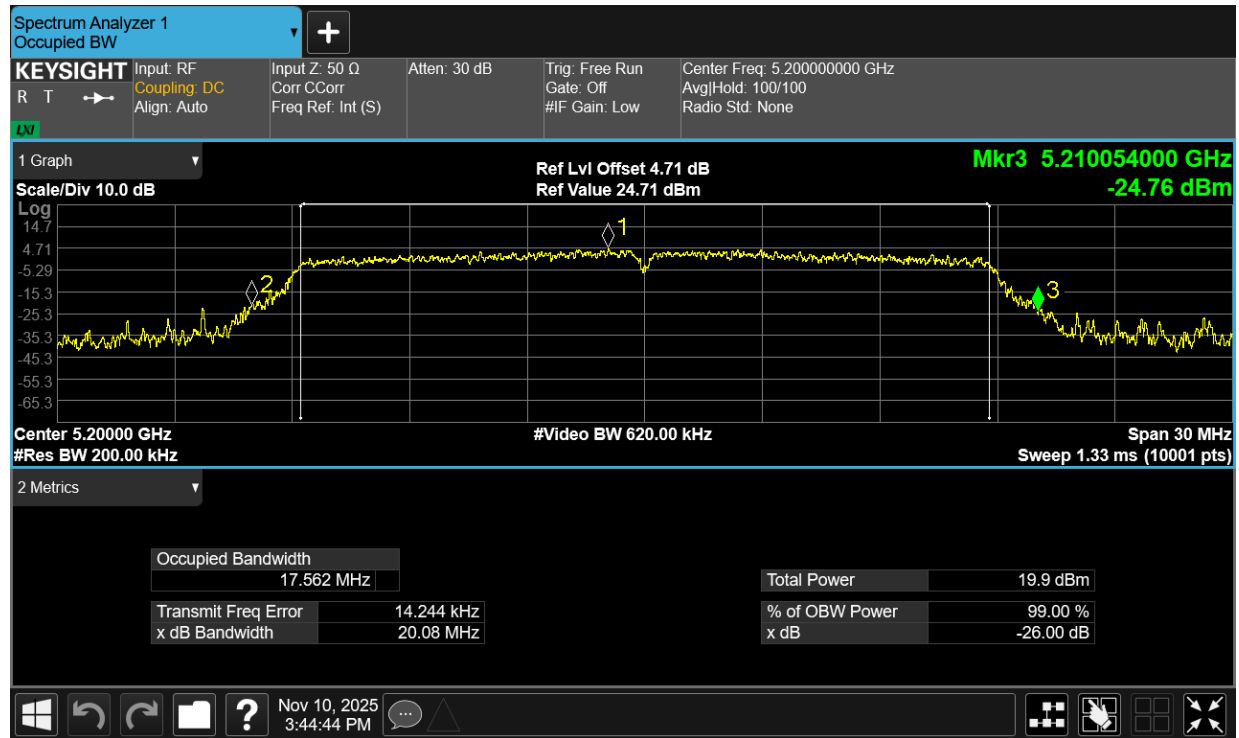
-26dB Bandwidth NVNT ac80 5210MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



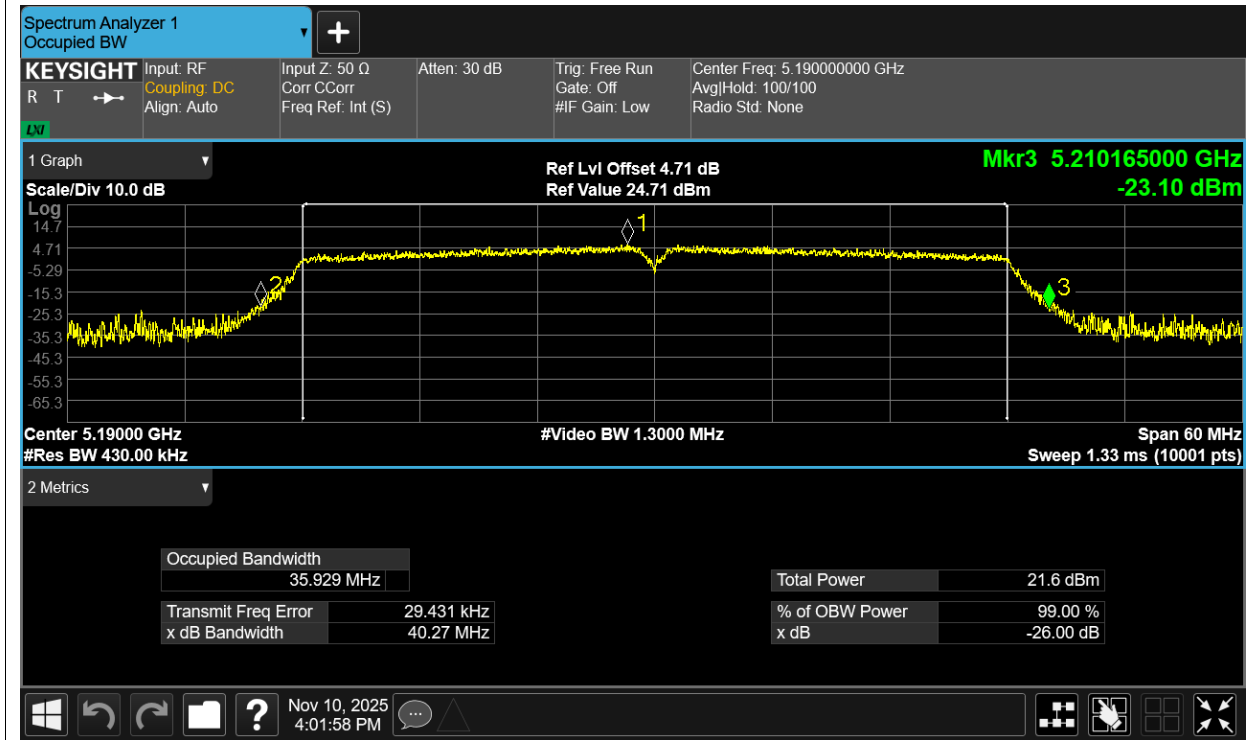
-26dB Bandwidth NVNT n20 5200MHz Ant1



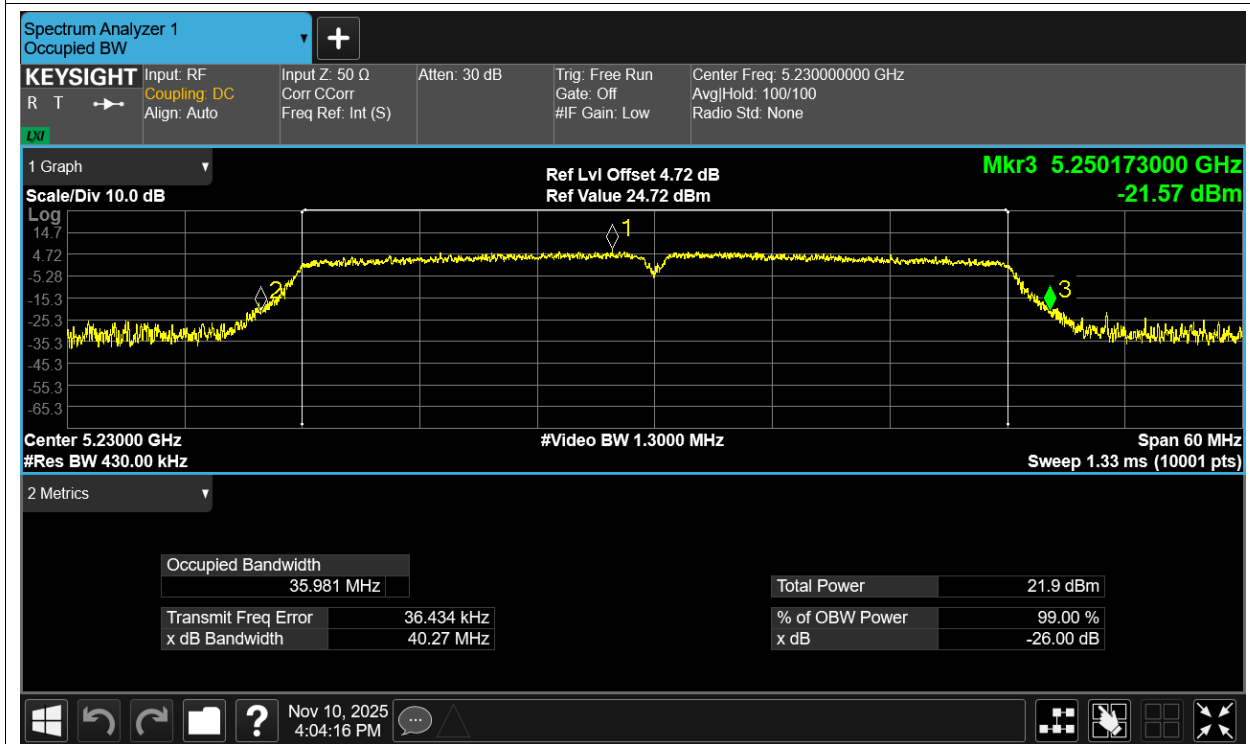
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



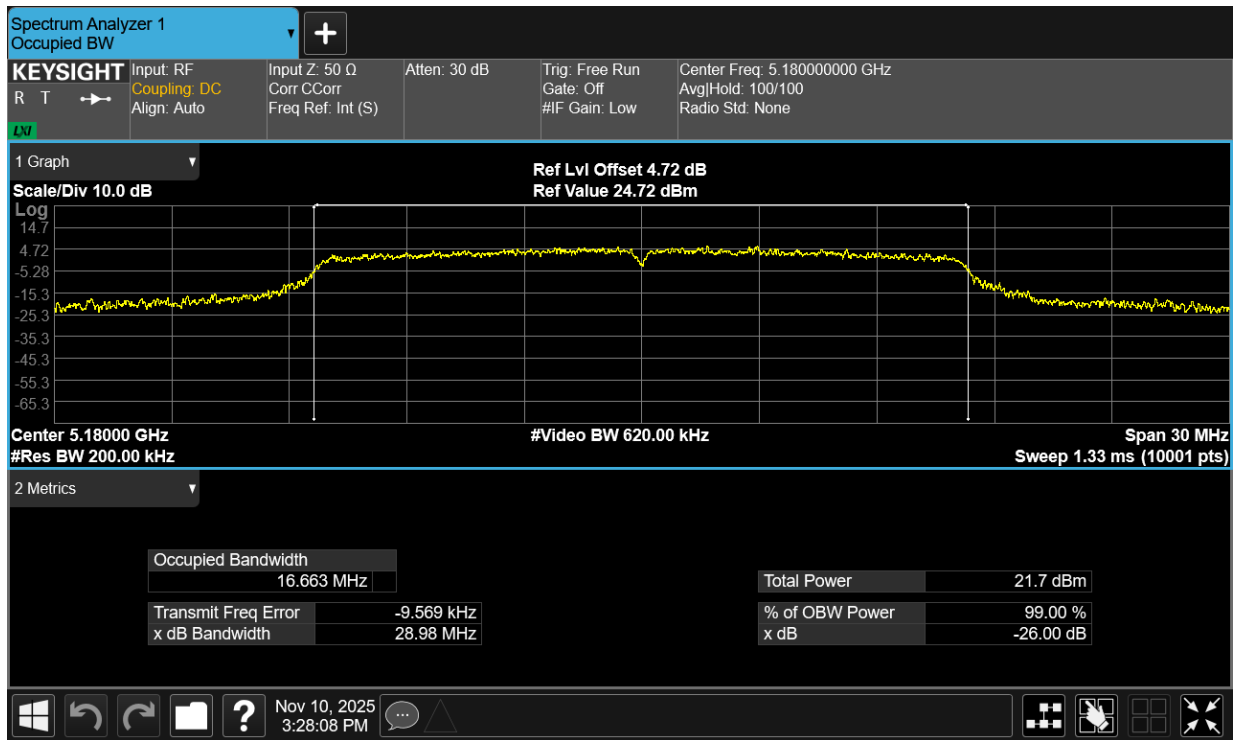


Occupied Channel Bandwidth

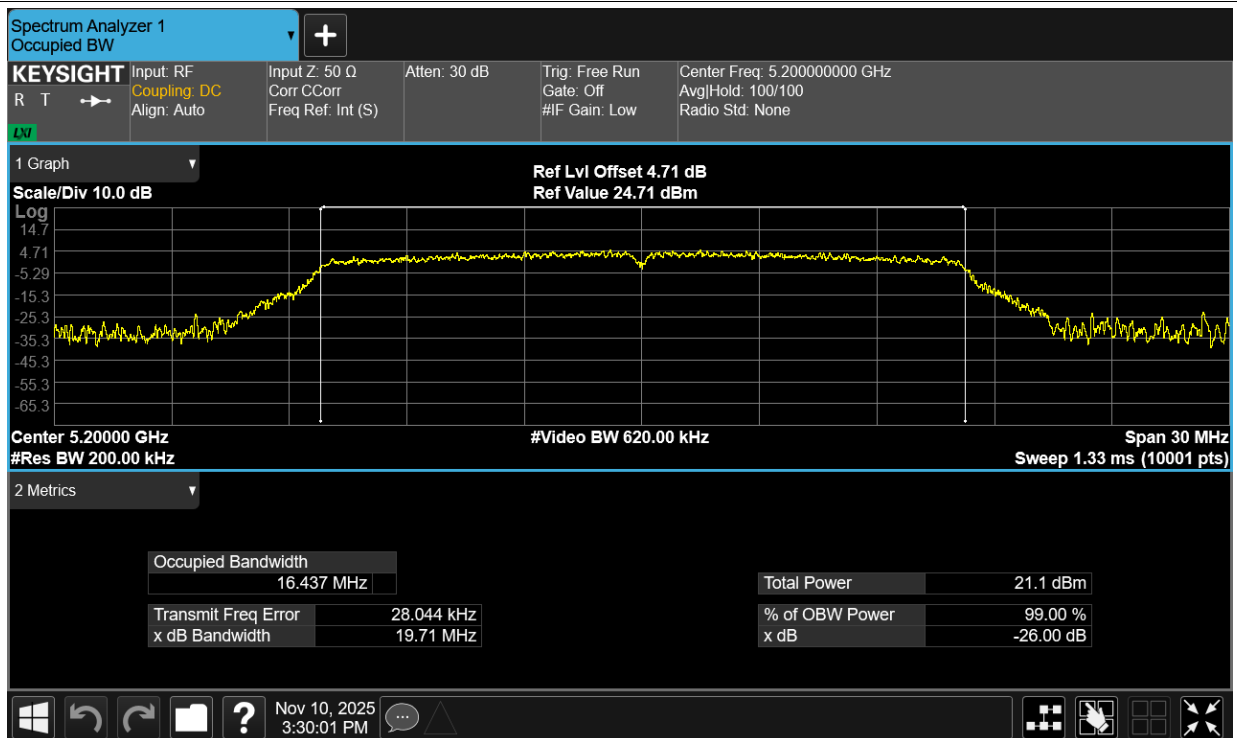
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.663
NVNT	a	5200	Ant1	16.437
NVNT	a	5240	Ant1	16.403
NVNT	ac20	5180	Ant1	17.703
NVNT	ac20	5200	Ant1	17.555
NVNT	ac20	5240	Ant1	17.571
NVNT	ac40	5190	Ant1	35.975
NVNT	ac40	5230	Ant1	36.017
NVNT	ac80	5210	Ant1	75.186
NVNT	n20	5180	Ant1	17.744
NVNT	n20	5200	Ant1	17.555
NVNT	n20	5240	Ant1	17.581
NVNT	n40	5190	Ant1	35.978
NVNT	n40	5230	Ant1	35.982

Test Graphs

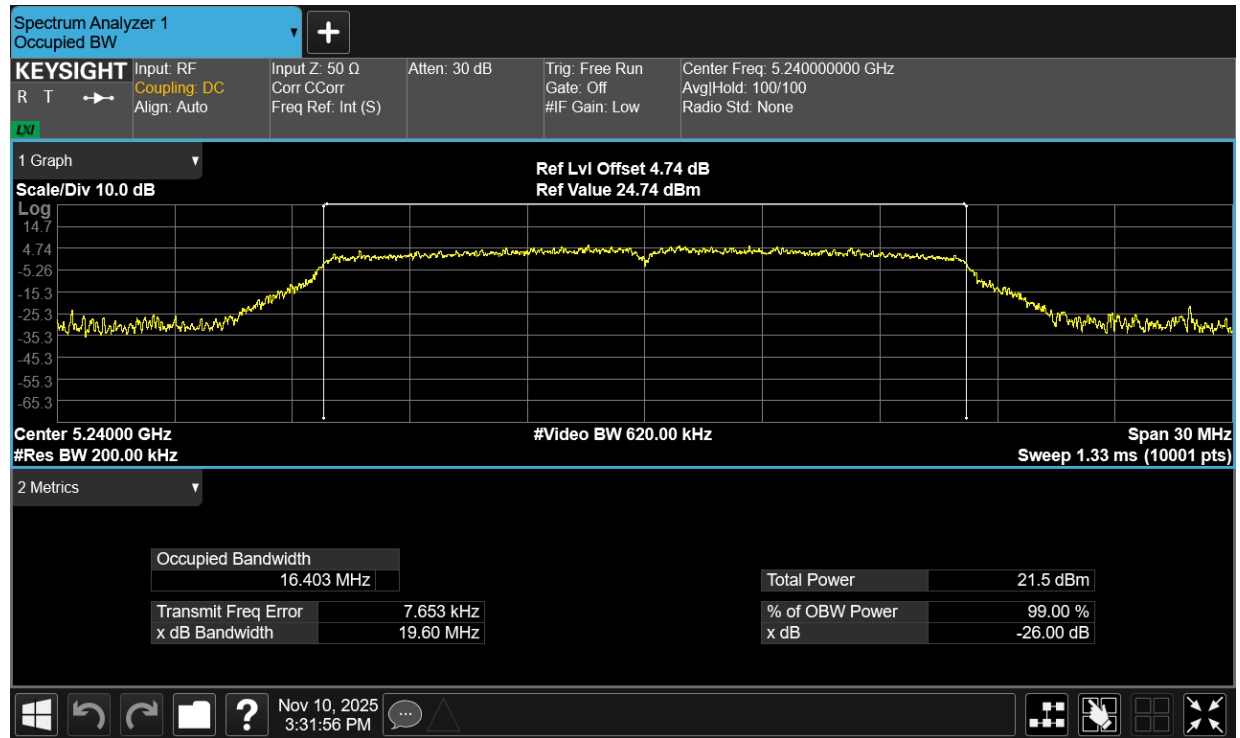
OBW NVNT a 5180MHz Ant1



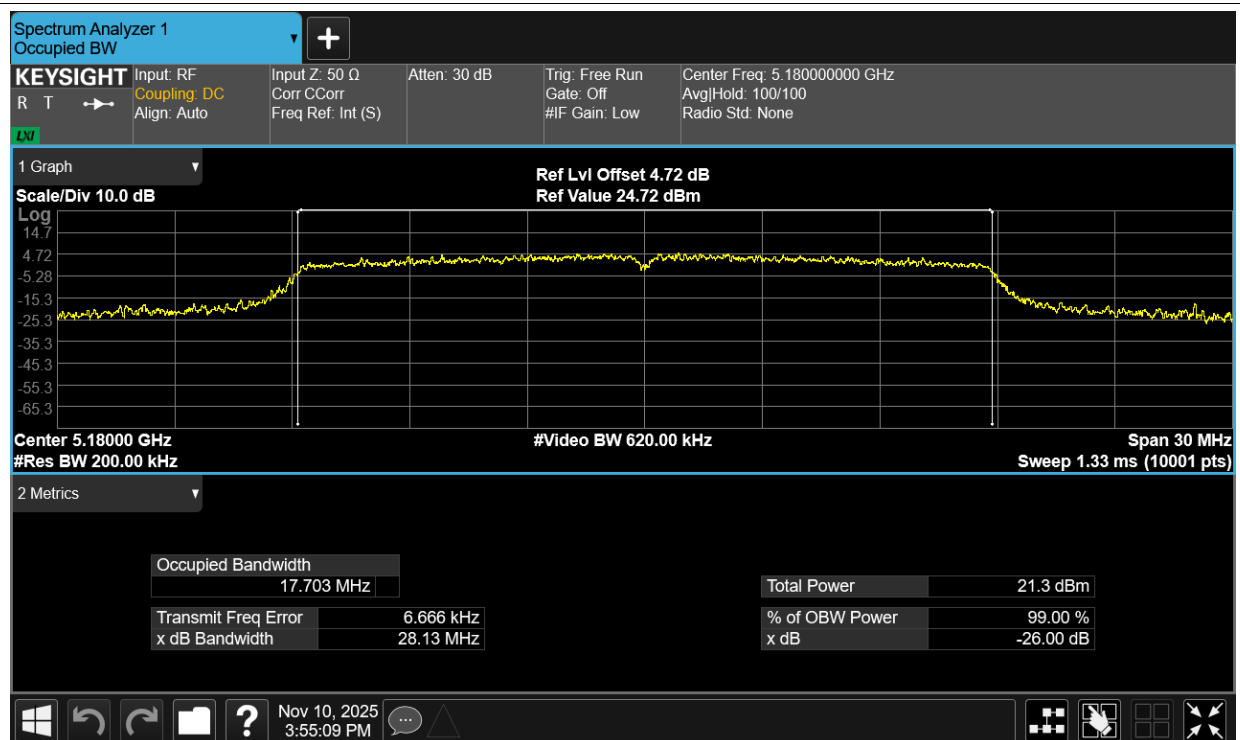
OBW NVNT a 5200MHz Ant1



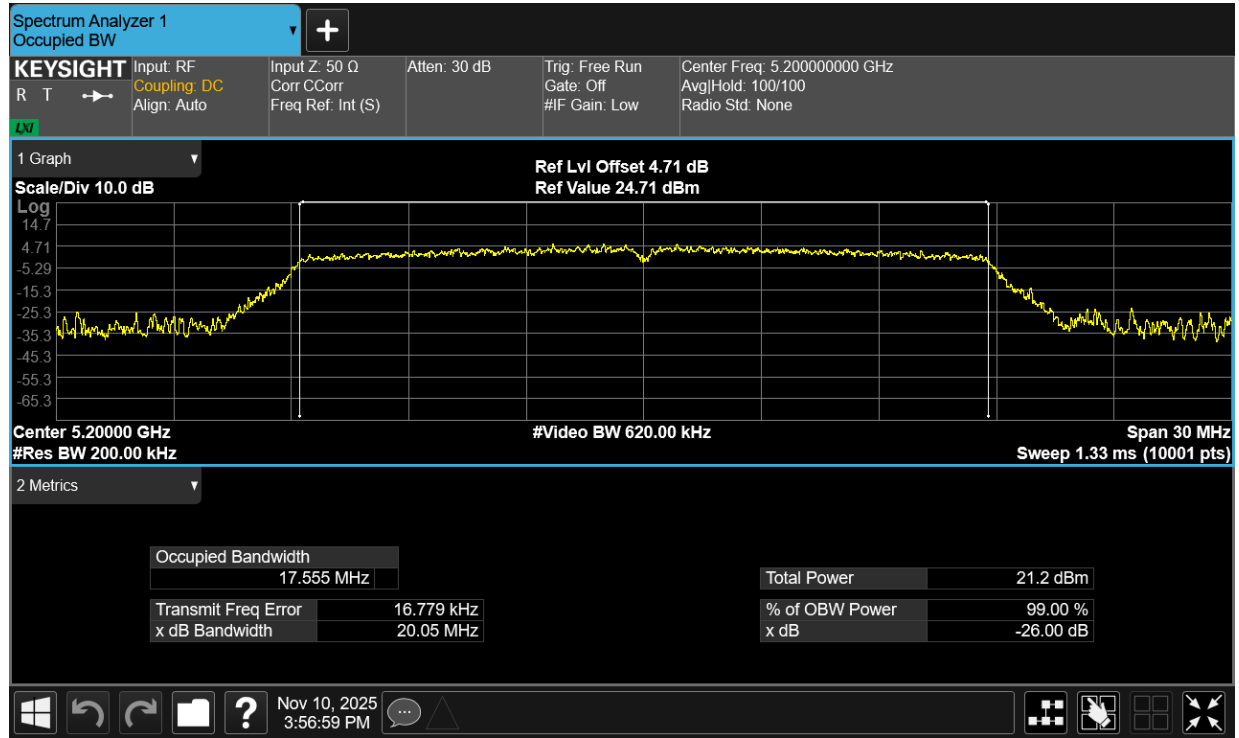
OBW NVNT a 5240MHz Ant1



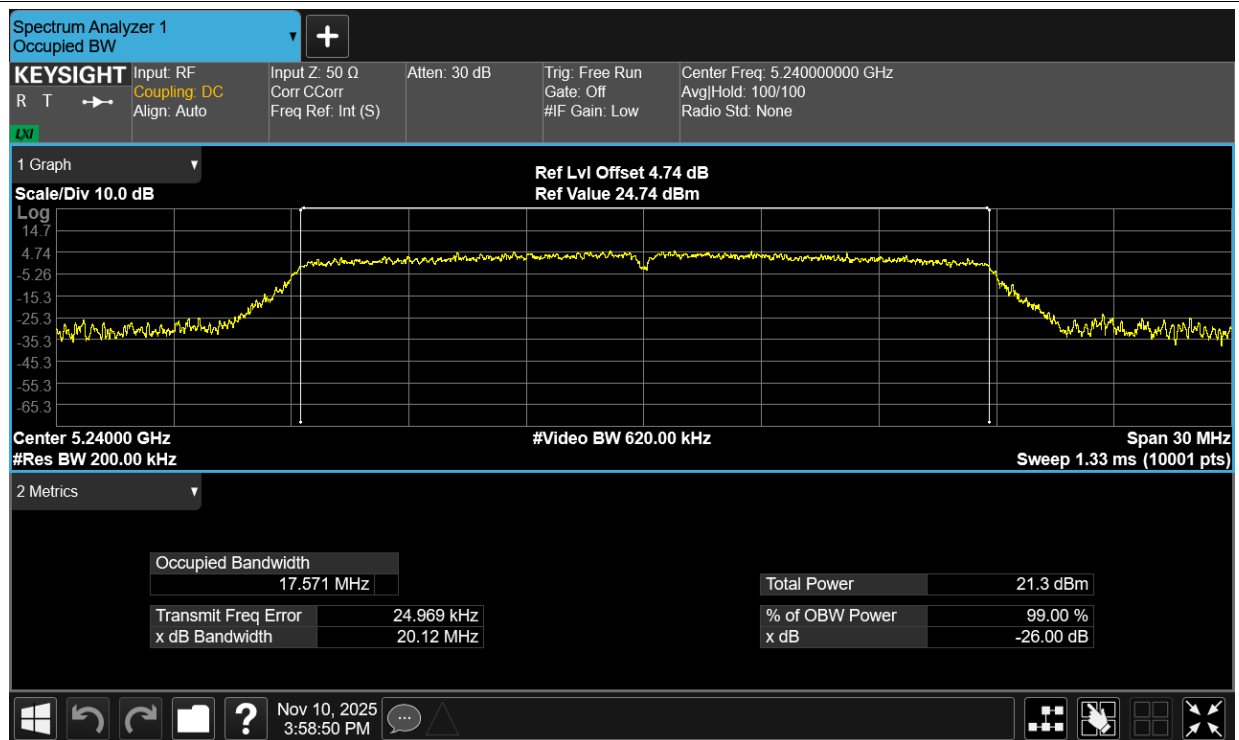
OBW NVNT ac20 5180MHz Ant1



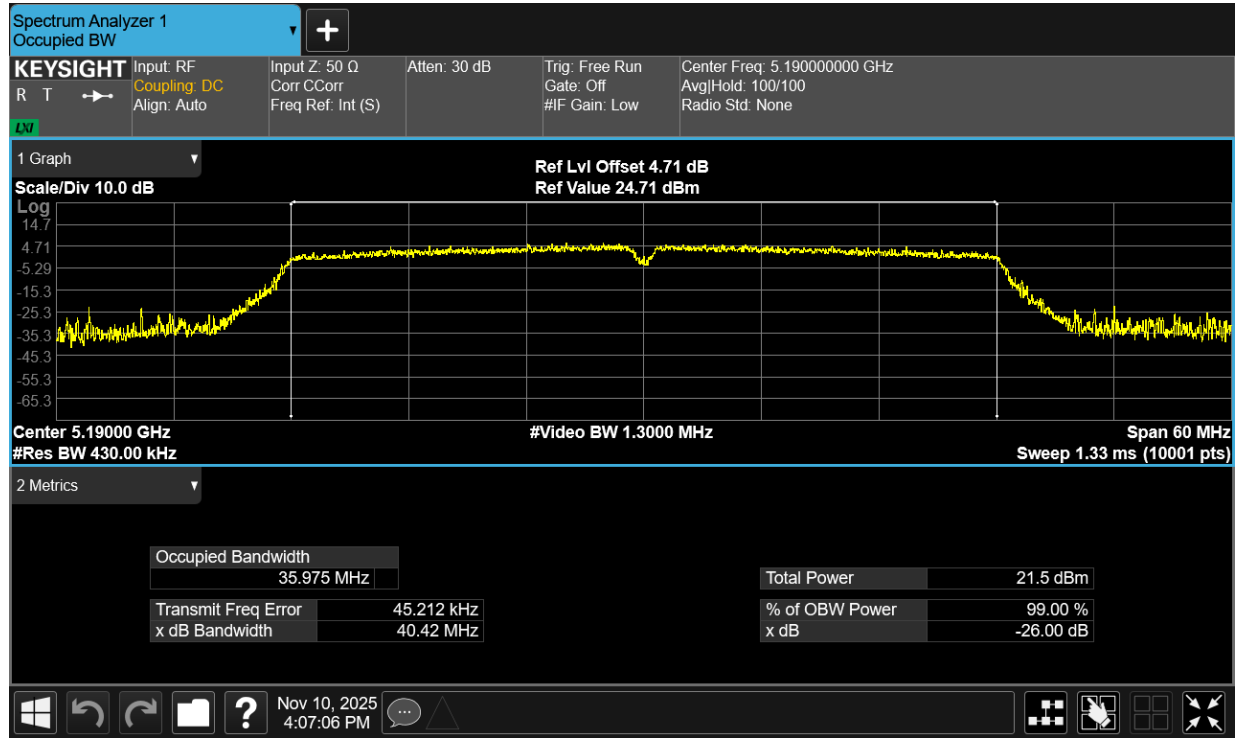
OBW NVNT ac20 5200MHz Ant1



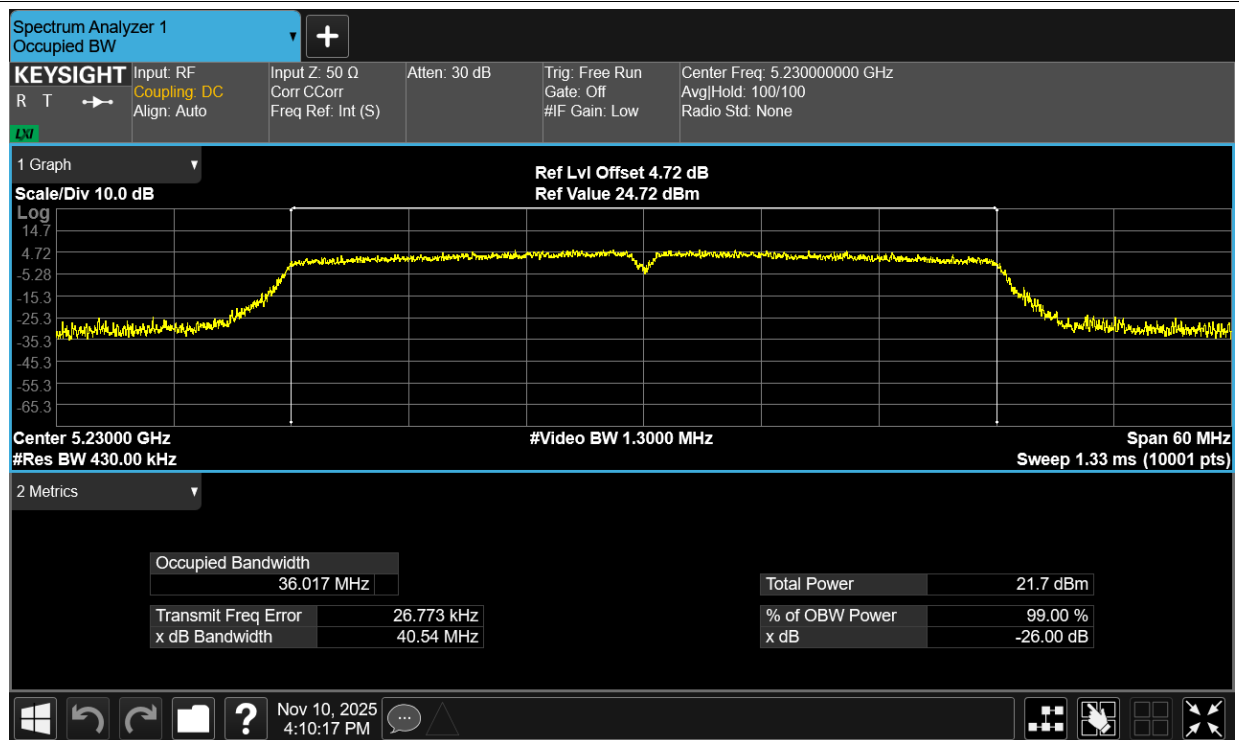
OBW NVNT ac20 5240MHz Ant1



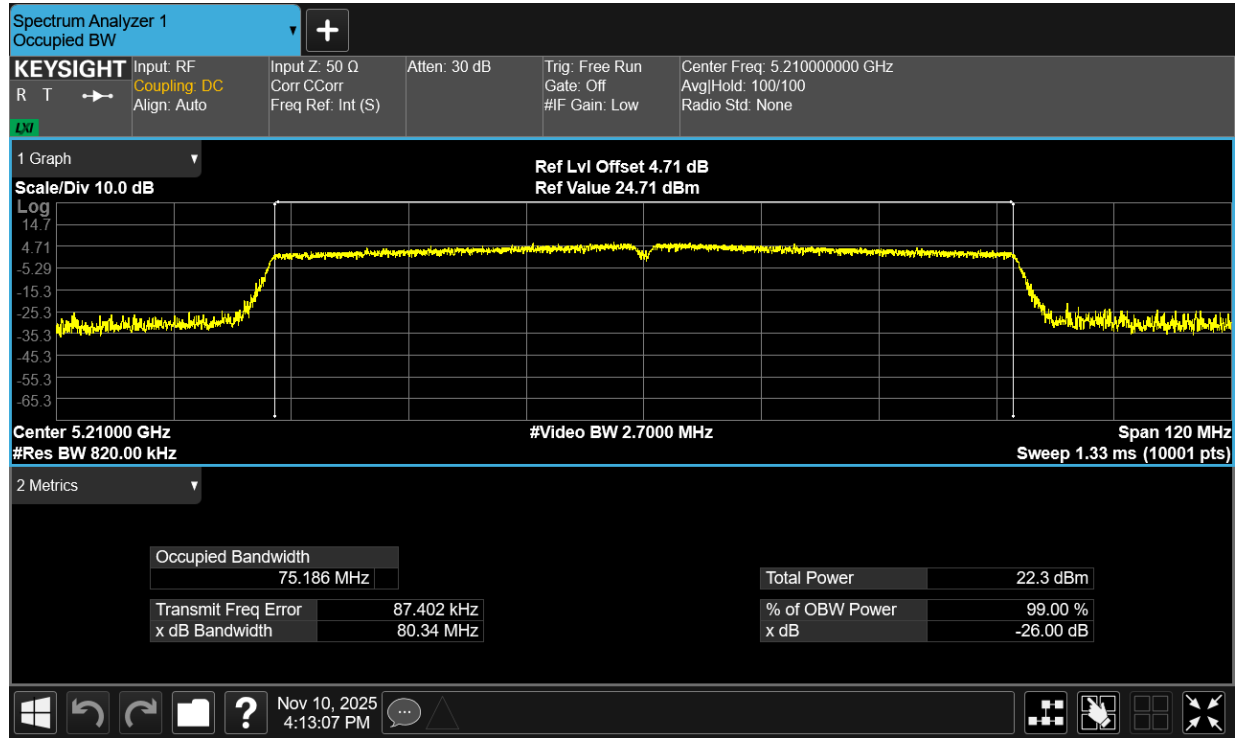
OBW NVNT ac40 5190MHz Ant1



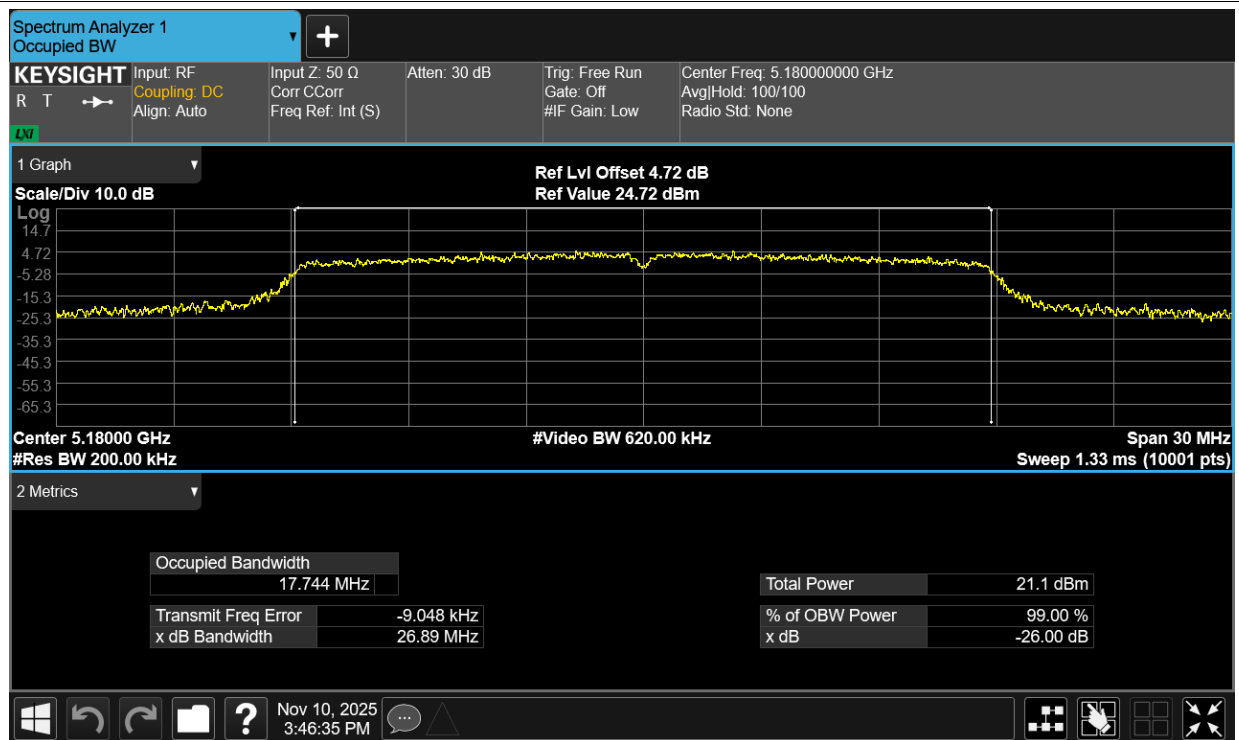
OBW NVNT ac40 5230MHz Ant1



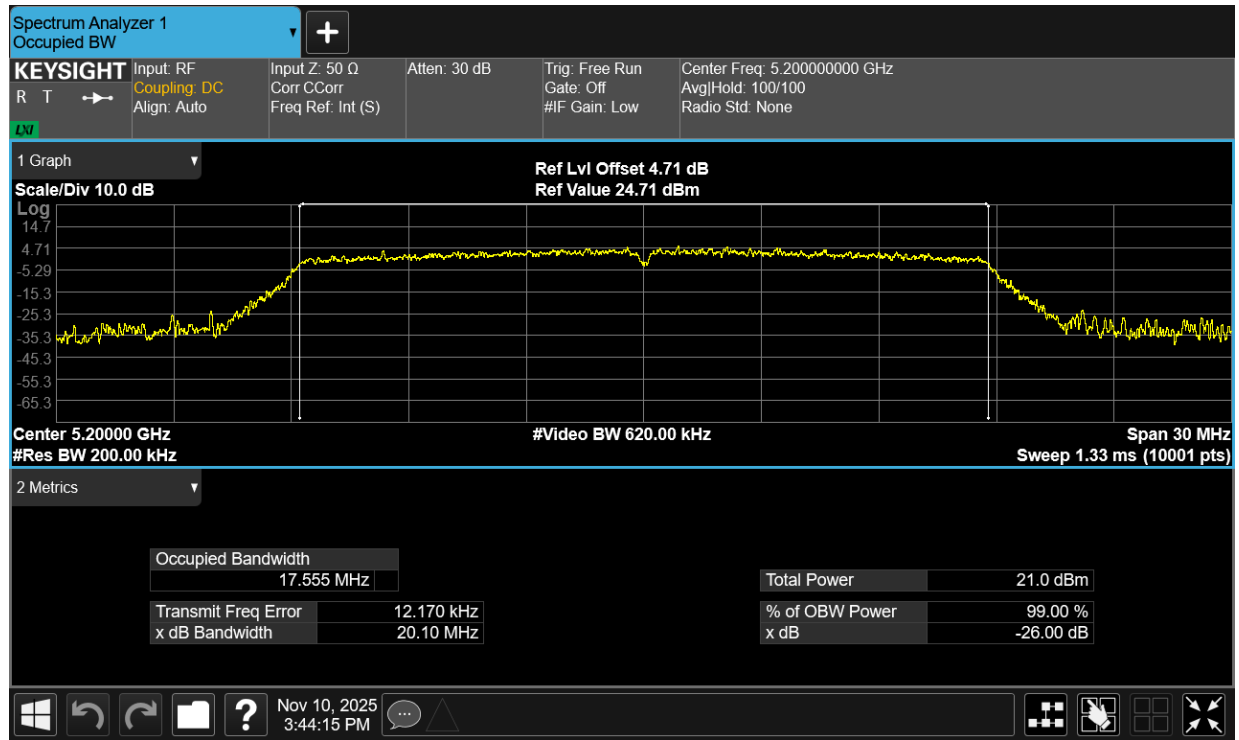
OBW NVNT ac80 5210MHz Ant1



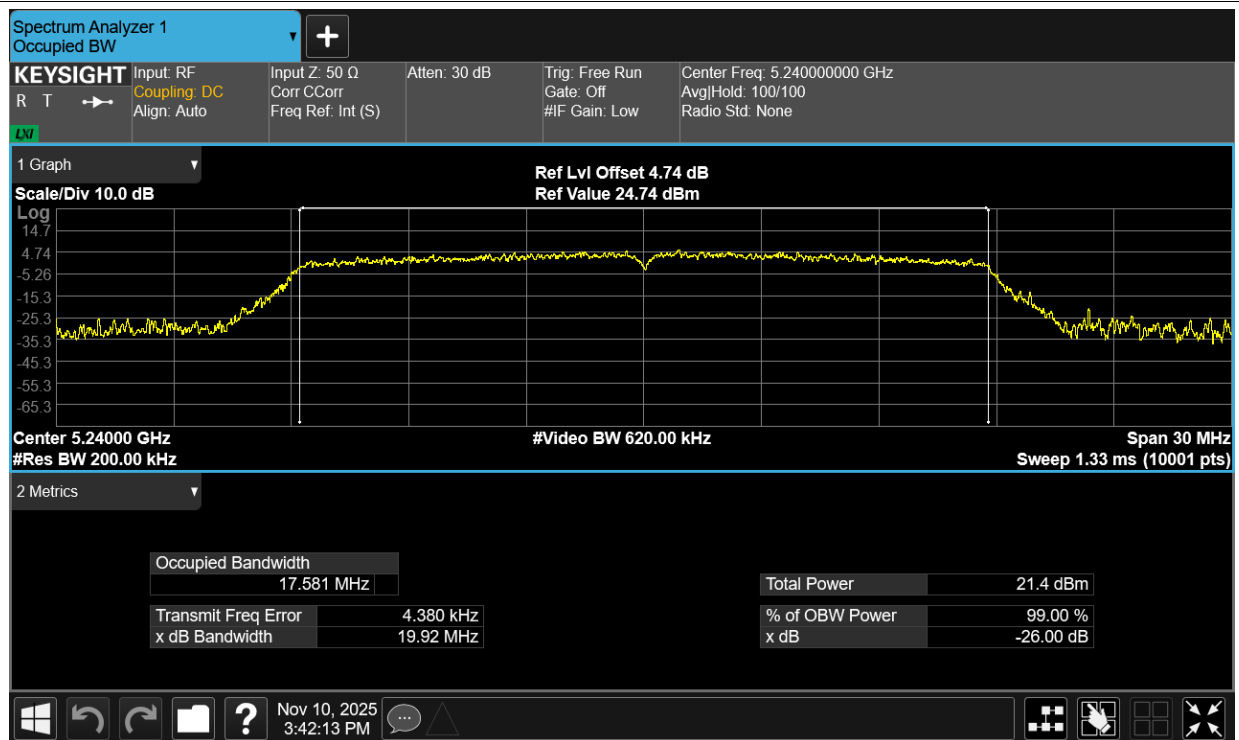
OBW NVNT n20 5180MHz Ant1



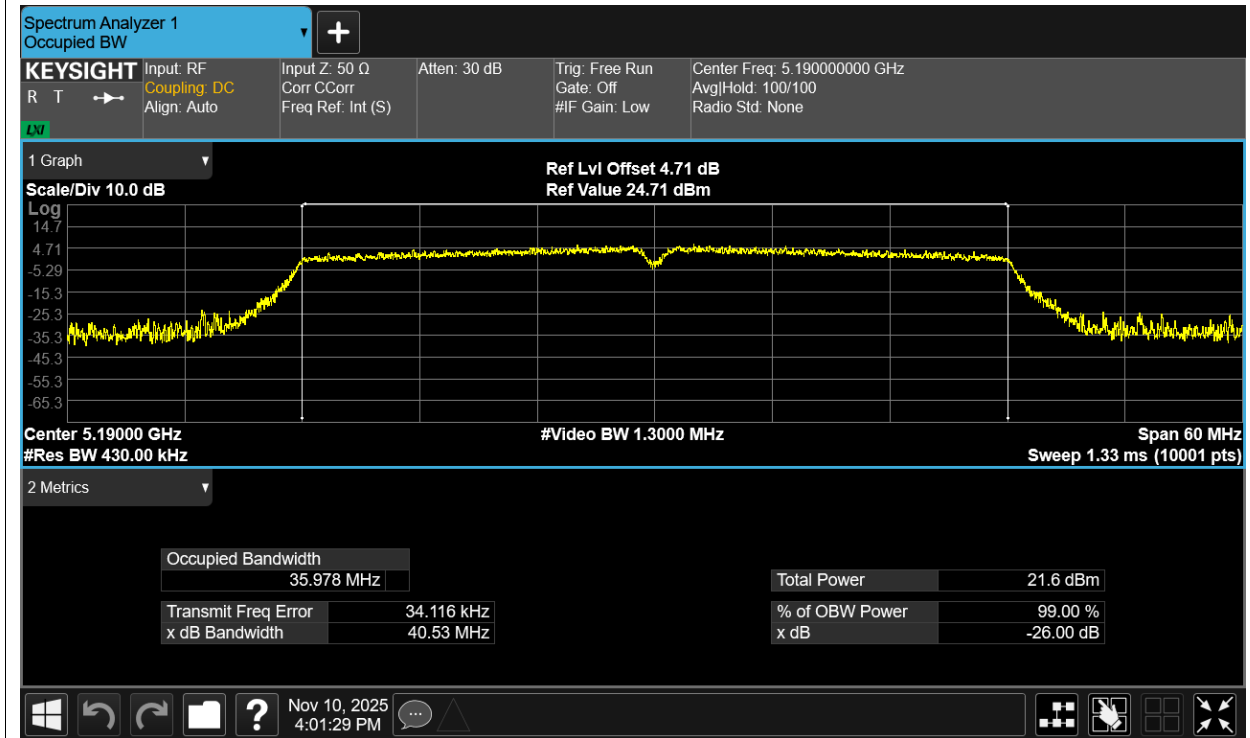
OBW NVNT n20 5200MHz Ant1



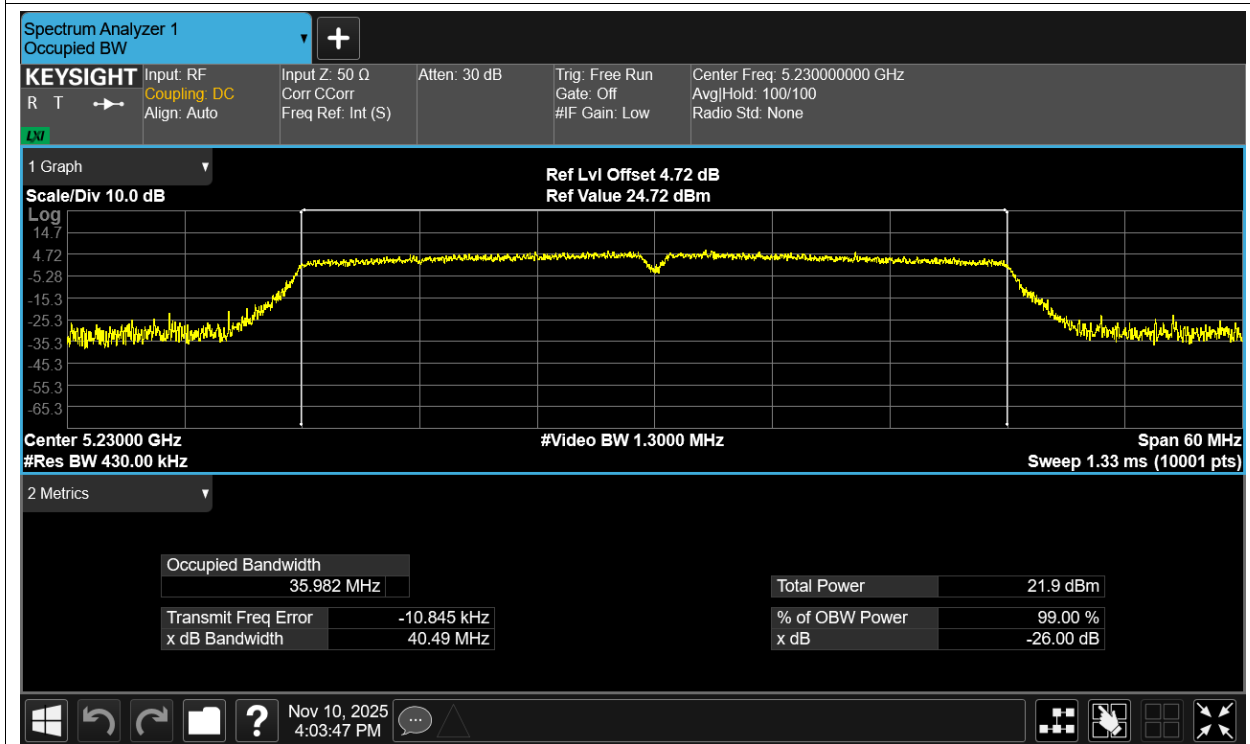
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1



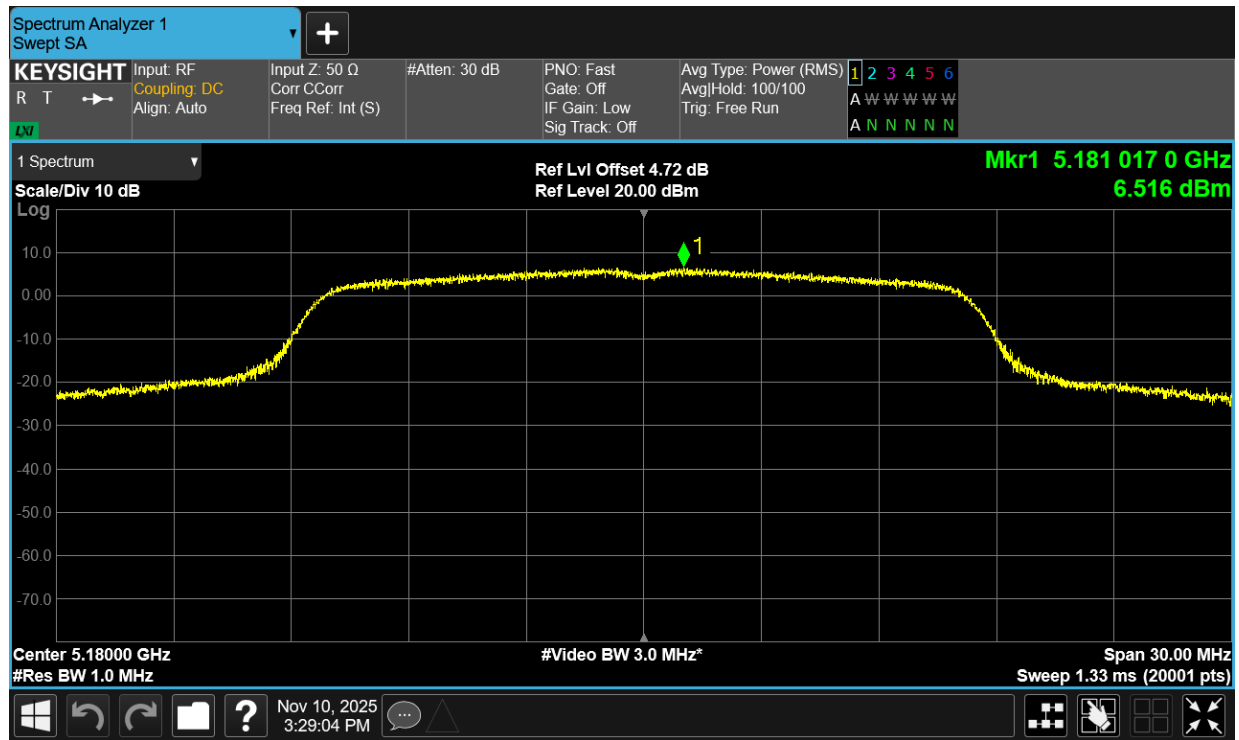


Maximum Power Spectral Density Level

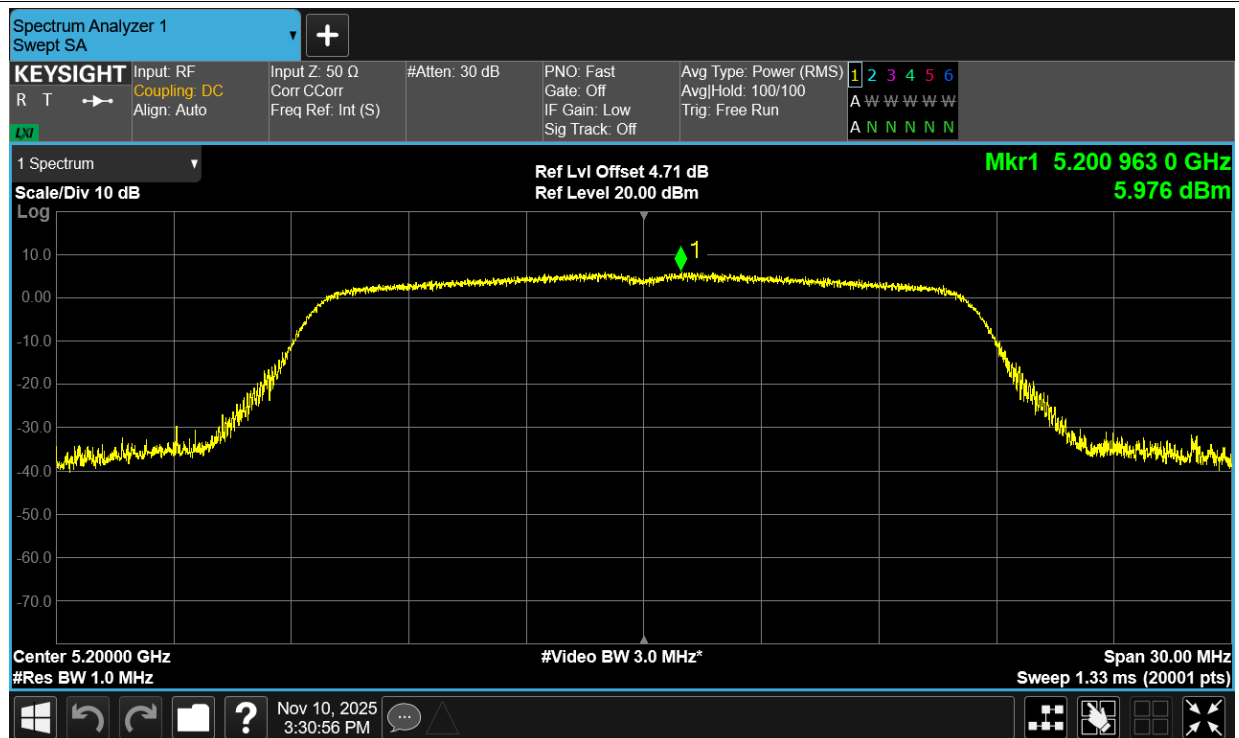
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.516	11	Pass
NVNT	a	5200	Ant1	5.976	11	Pass
NVNT	a	5240	Ant1	6.393	11	Pass
NVNT	ac20	5180	Ant1	5.952	11	Pass
NVNT	ac20	5200	Ant1	6.137	11	Pass
NVNT	ac20	5240	Ant1	6.129	11	Pass
NVNT	ac40	5190	Ant1	2.995	11	Pass
NVNT	ac40	5230	Ant1	2.961	11	Pass
NVNT	ac80	5210	Ant1	0.342	11	Pass
NVNT	n20	5180	Ant1	6.052	11	Pass
NVNT	n20	5200	Ant1	3.758	11	Pass
NVNT	n20	5240	Ant1	6.009	11	Pass
NVNT	n40	5190	Ant1	3.177	11	Pass
NVNT	n40	5230	Ant1	3.653	11	Pass

Test Graphs

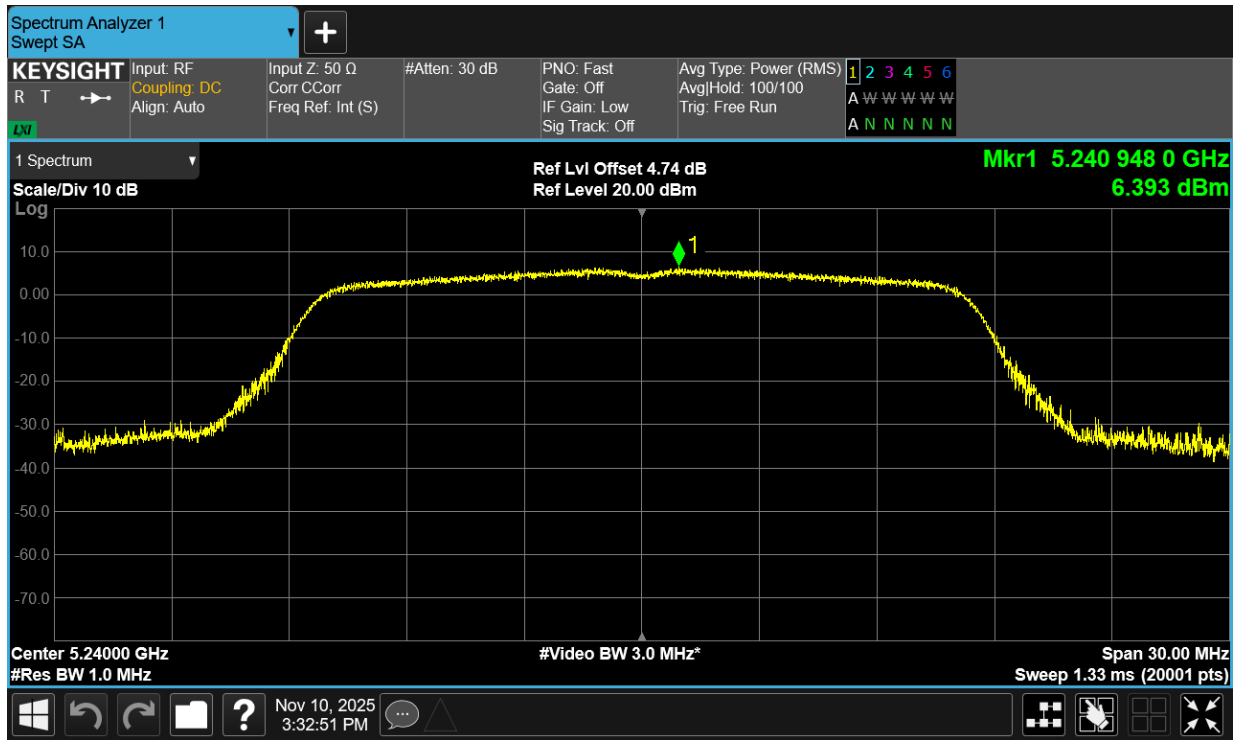
PSD NVNT a 5180MHz Ant1



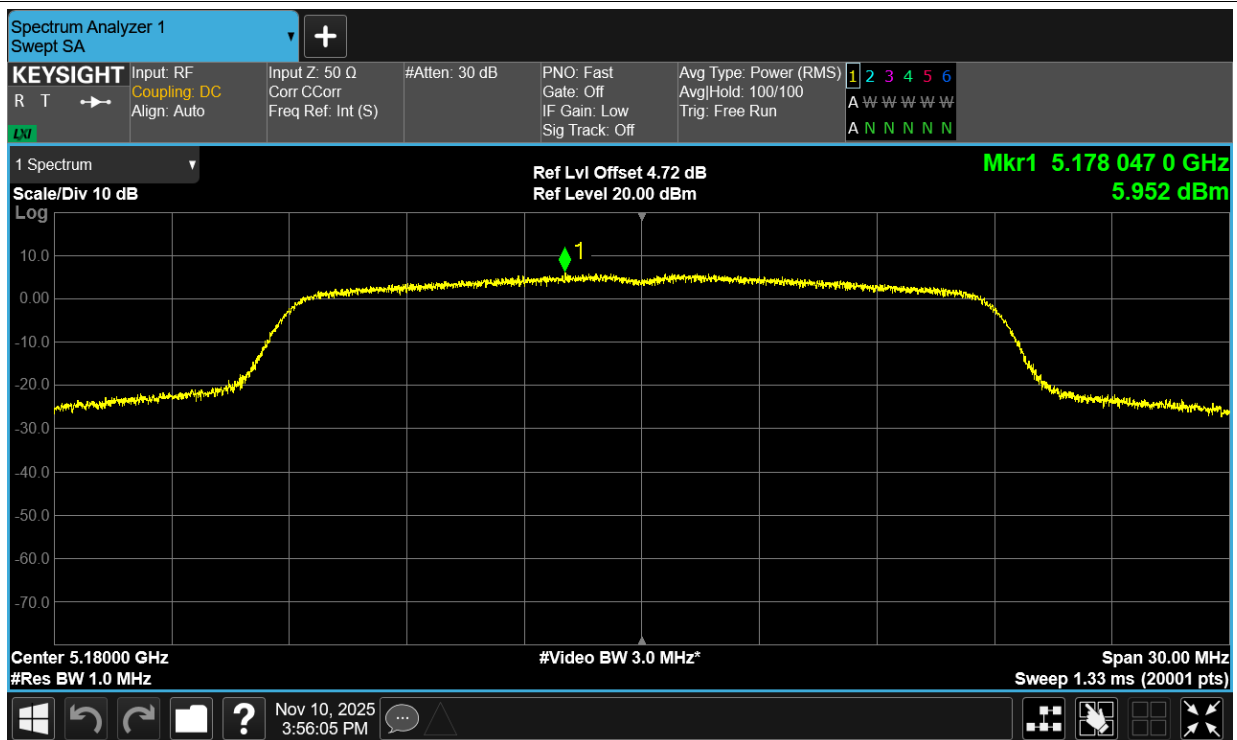
PSD NVNT a 5200MHz Ant1



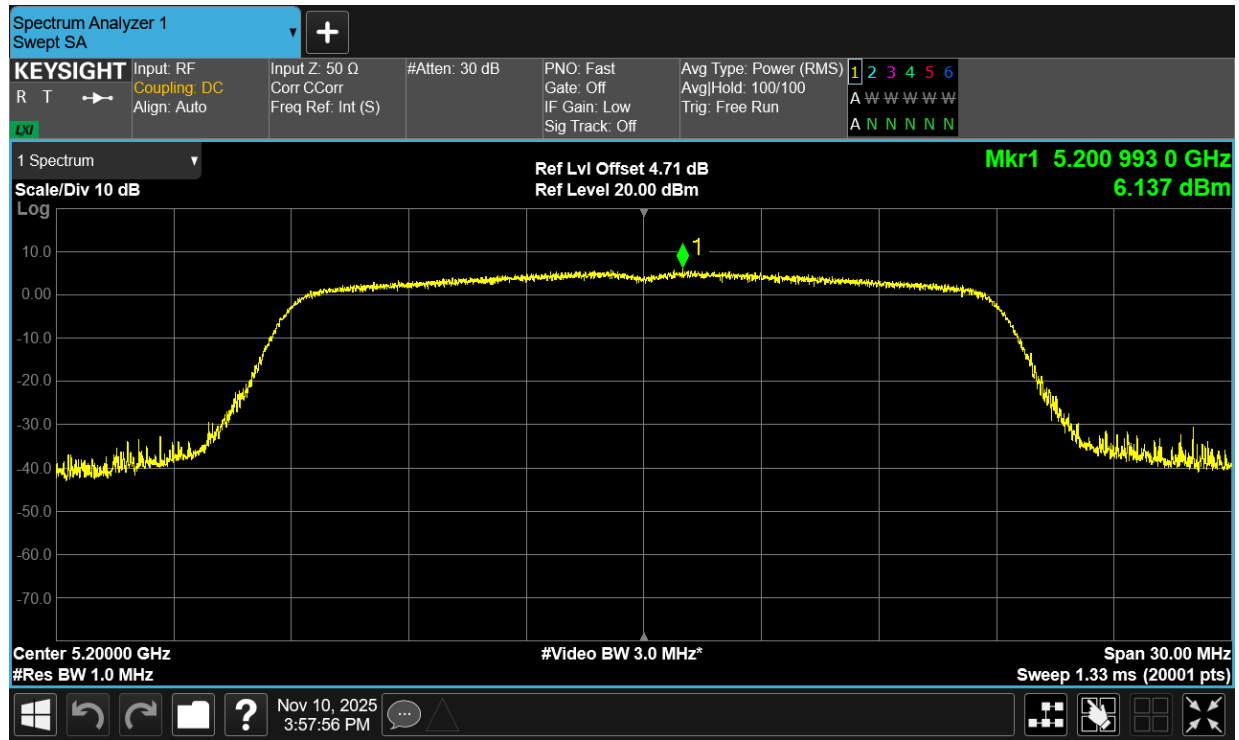
PSD NVNT a 5240MHz Ant1



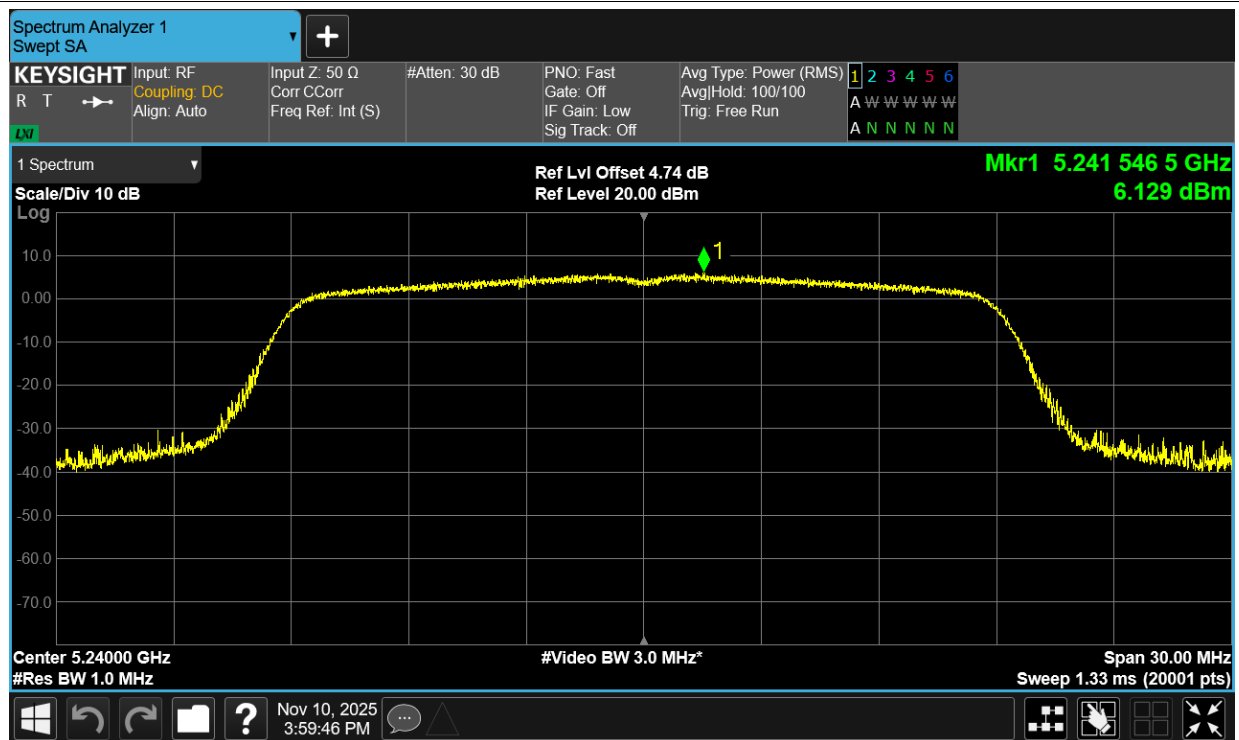
PSD NVNT ac20 5180MHz Ant1



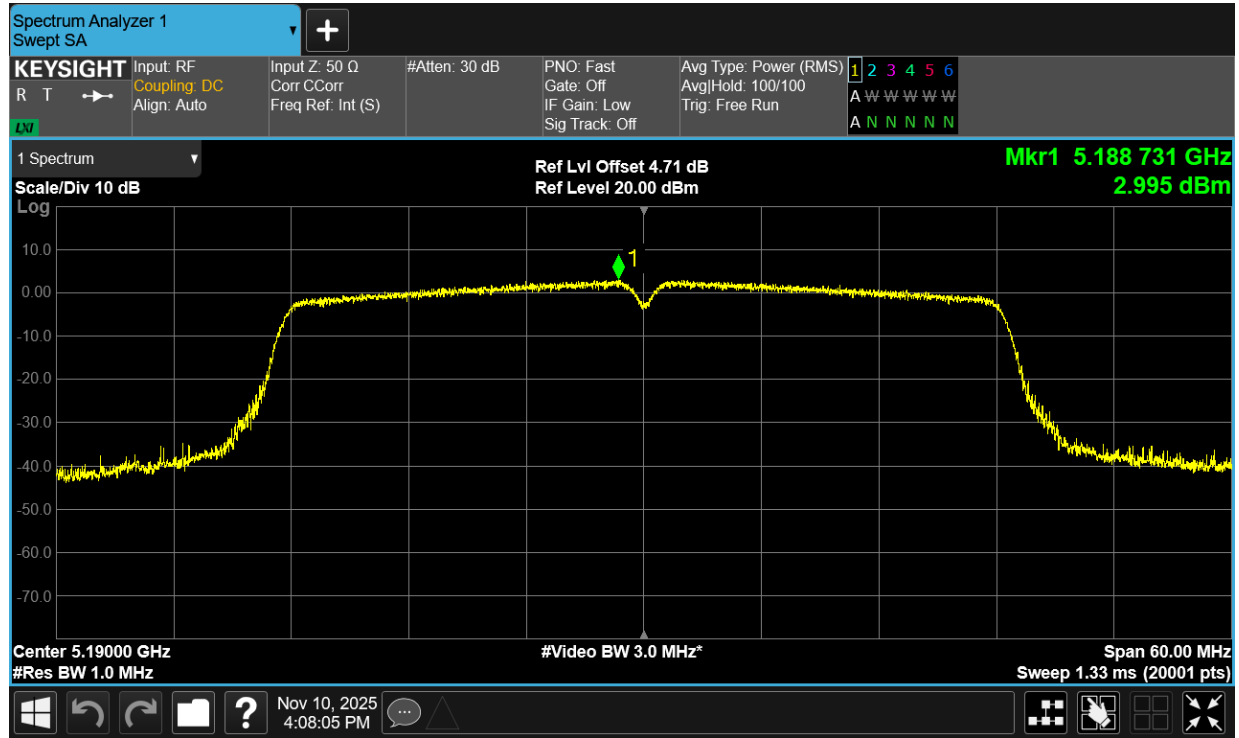
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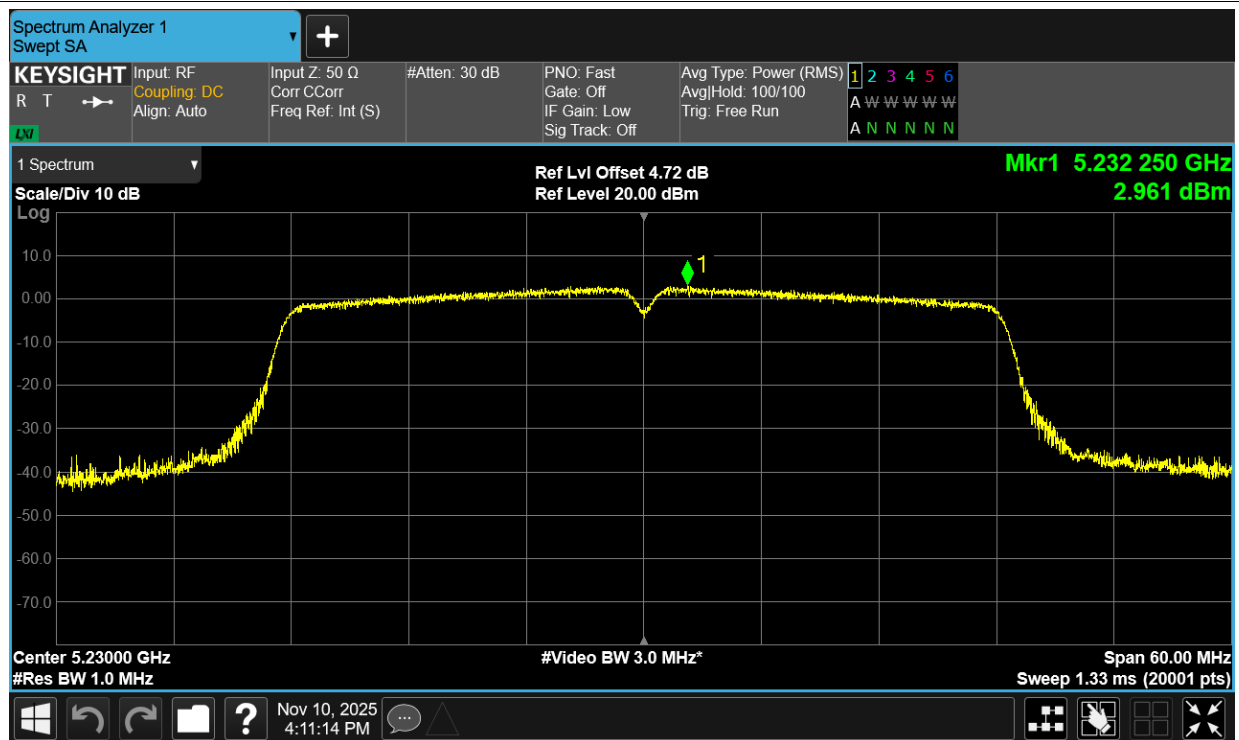
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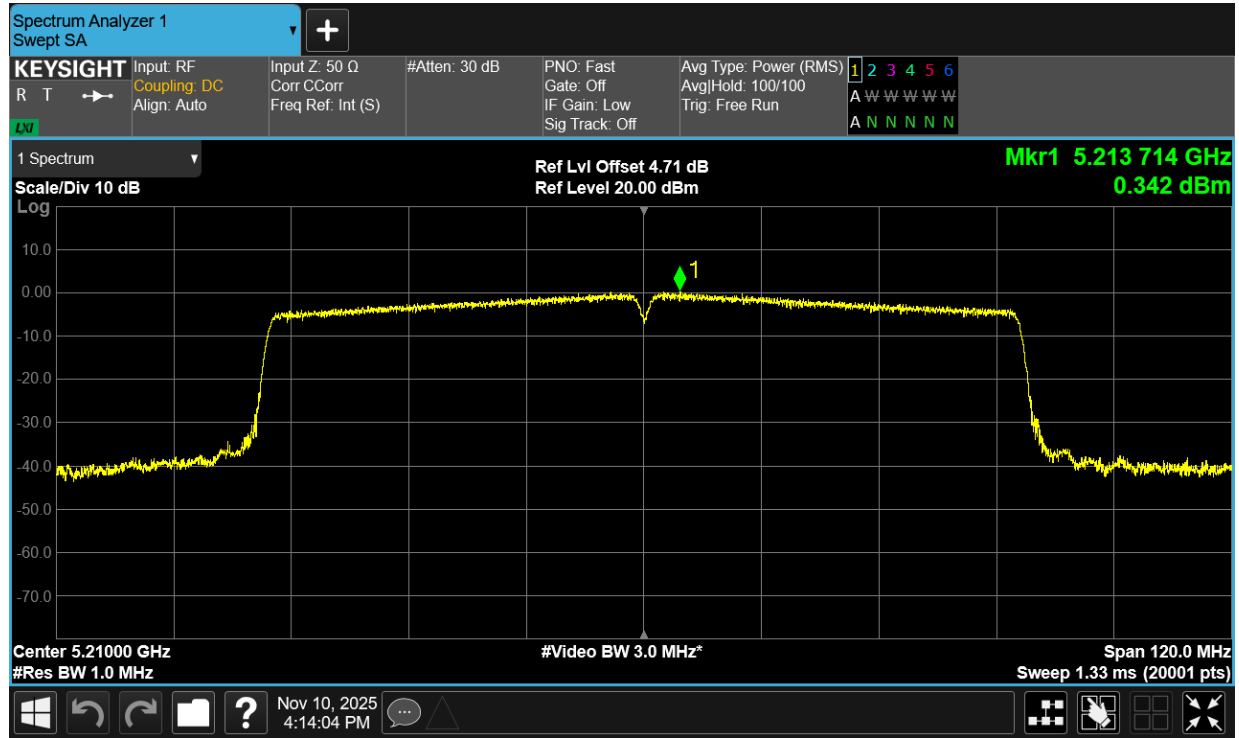
PSD NVNT ac40 5190MHz Ant1



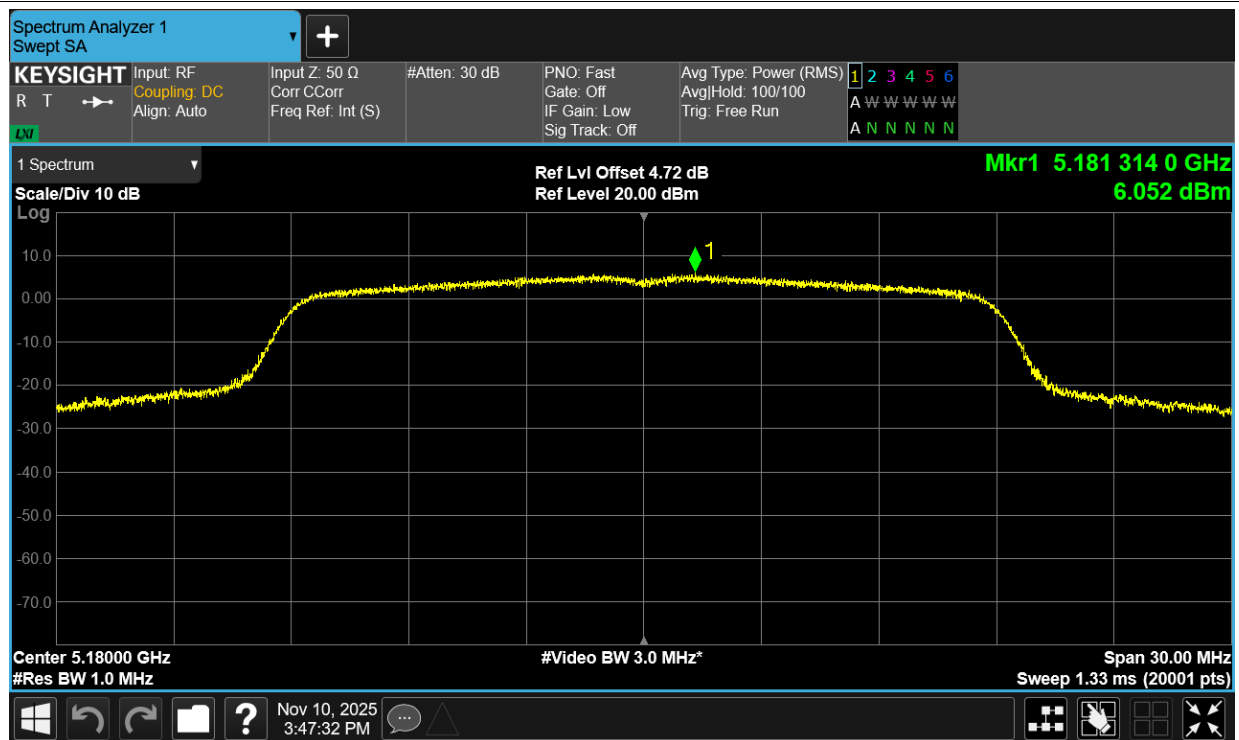
PSD NVNT ac40 5230MHz Ant1



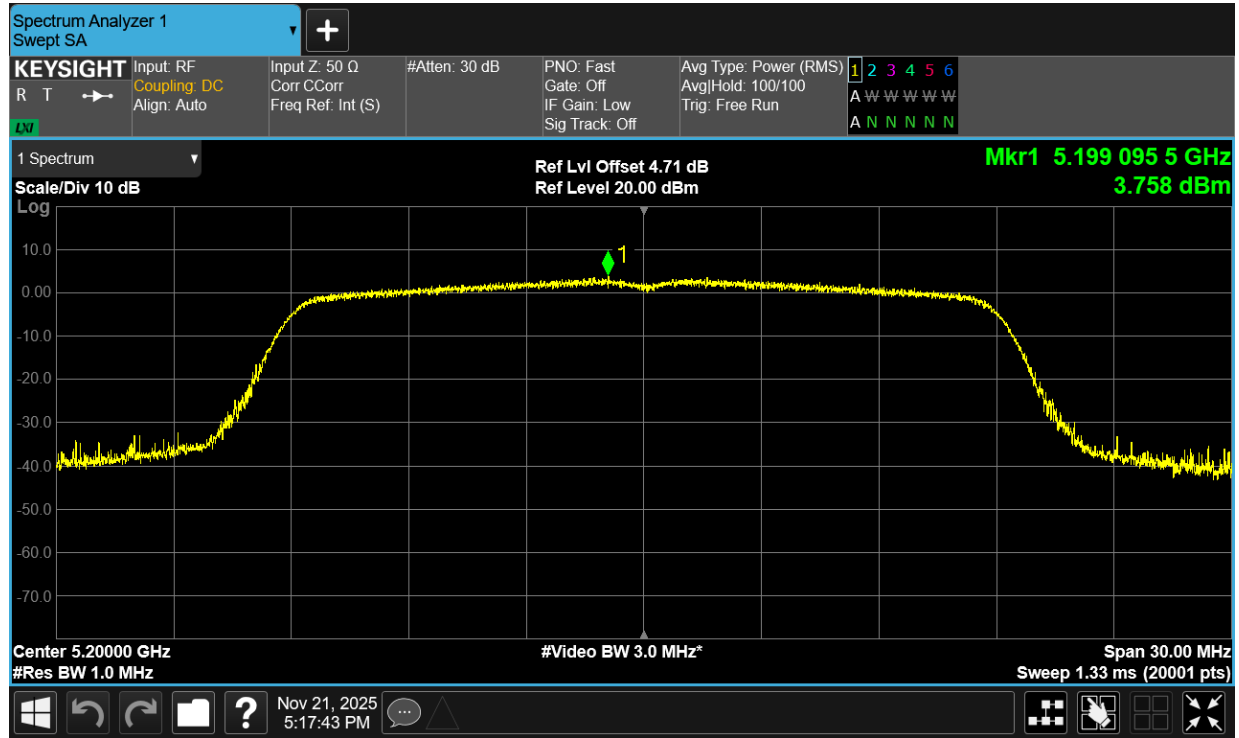
PSD NVNT ac80 5210MHz Ant1



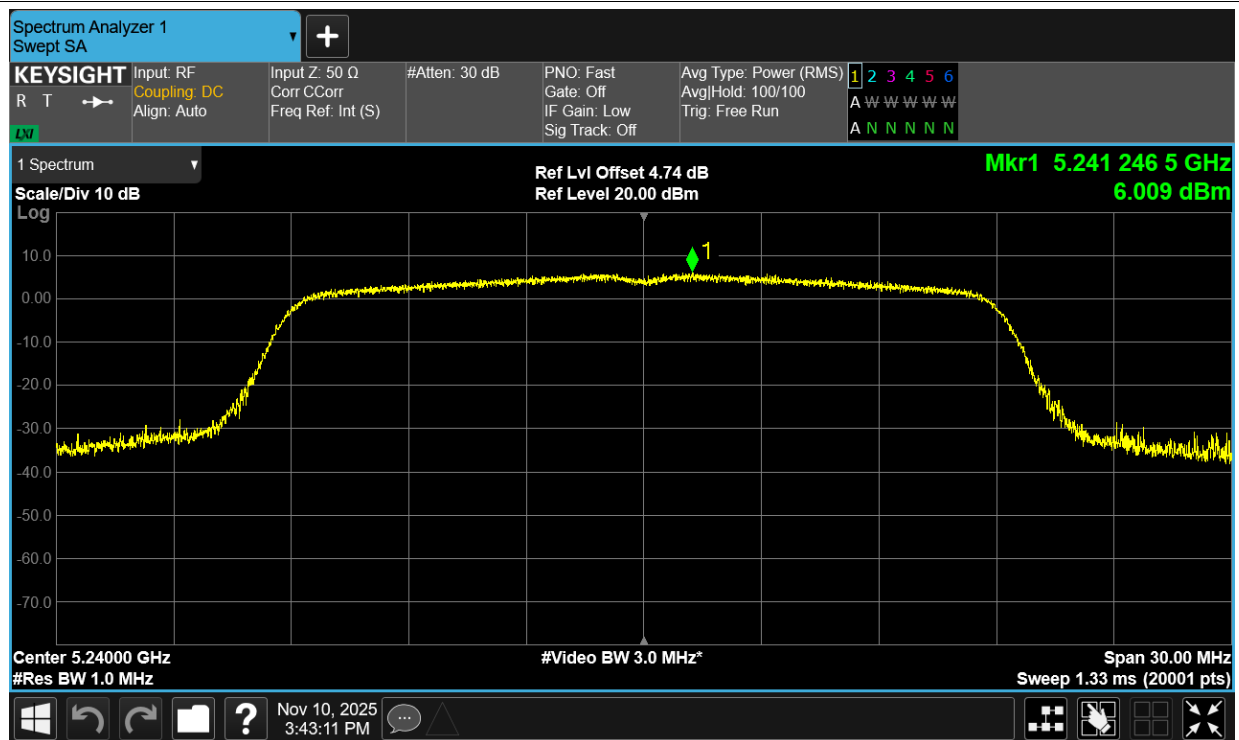
PSD NVNT n20 5180MHz Ant1



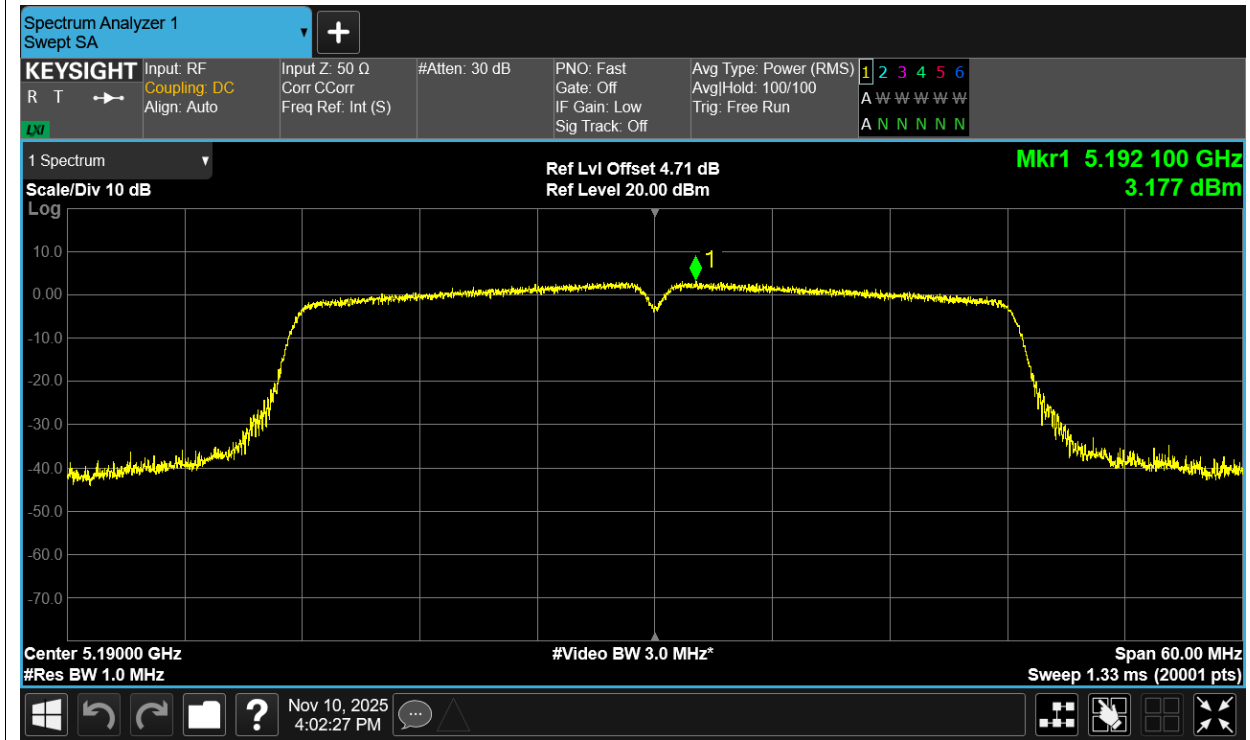
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

