



Test Data

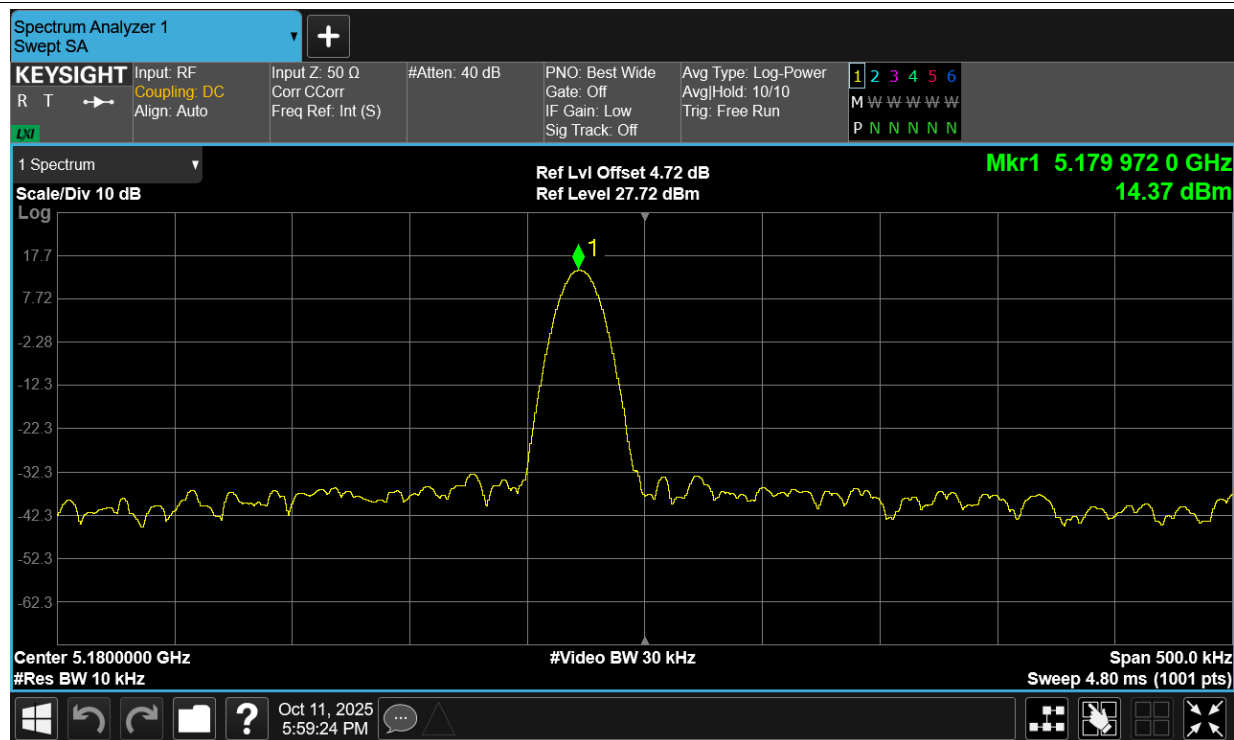
Frequency Stability

Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	5180	Ant1	5179.972	-5.41	Within authorized band	Pass
LVNT	5180	Ant1	5179.9725	-5.31		Pass
NVHT	5180	Ant1	5179.9725	-5.31		Pass
NVLT	5180	Ant1	5179.9725	-5.31		Pass
NVNT	5180	Ant1	5179.9725	-5.31		Pass
HVNT	5210	Ant1	5209.9715	-5.47		Pass
LVNT	5210	Ant1	5209.9715	-5.47		Pass
NVHT	5210	Ant1	5209.9715	-5.47		Pass
NVLT	5210	Ant1	5209.9715	-5.47		Pass
NVNT	5210	Ant1	5209.971834497	-5.41		Pass
HVNT	5190	Ant1	5189.9715	-5.49		Pass
LVNT	5190	Ant1	5189.9715	-5.49		Pass
NVHT	5190	Ant1	5189.972	-5.39		Pass
NVLT	5190	Ant1	5189.972	-5.39		Pass
NVNT	5190	Ant1	5189.972	-5.39		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.						

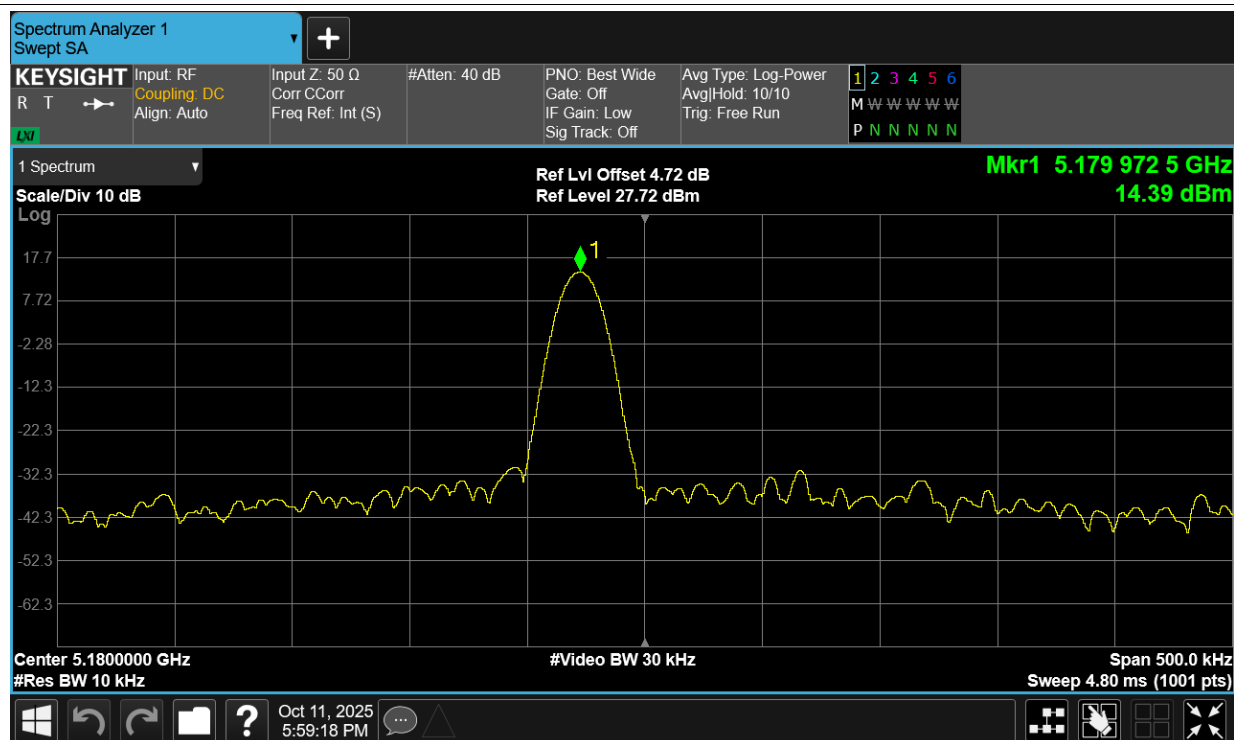


Test Graphs

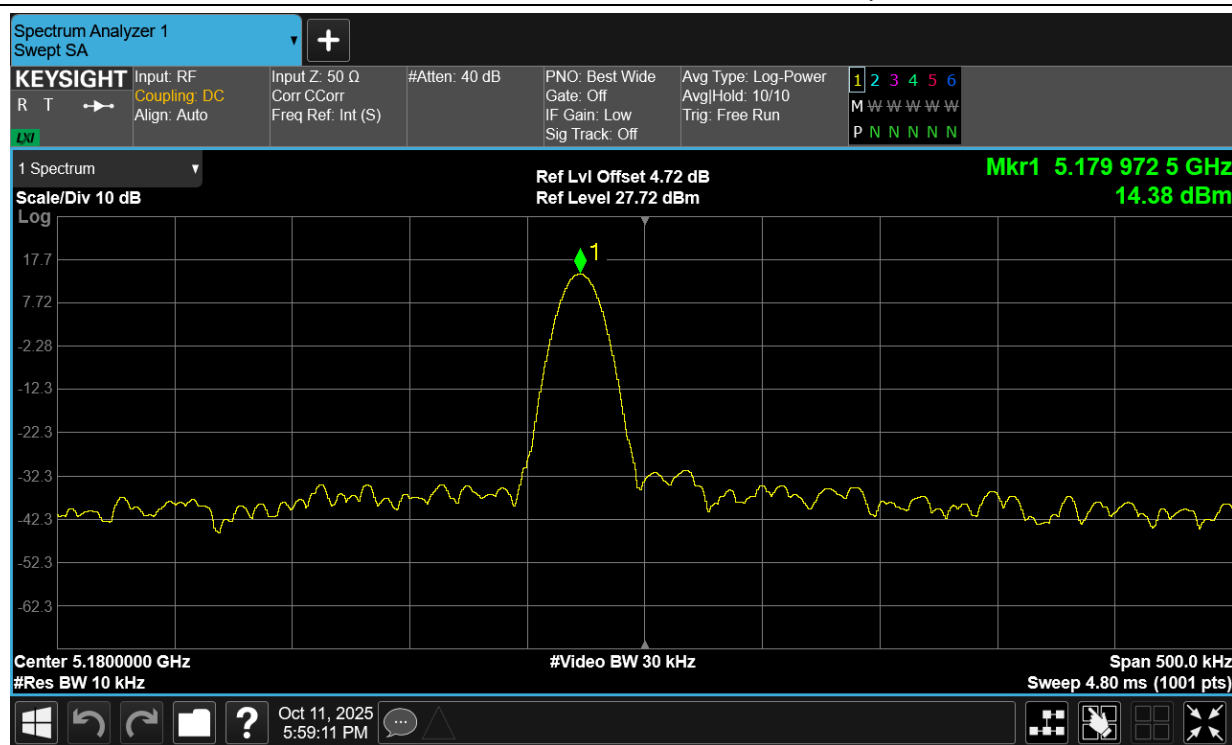
Freq. Stability HVNT a 5180MHz Ant1



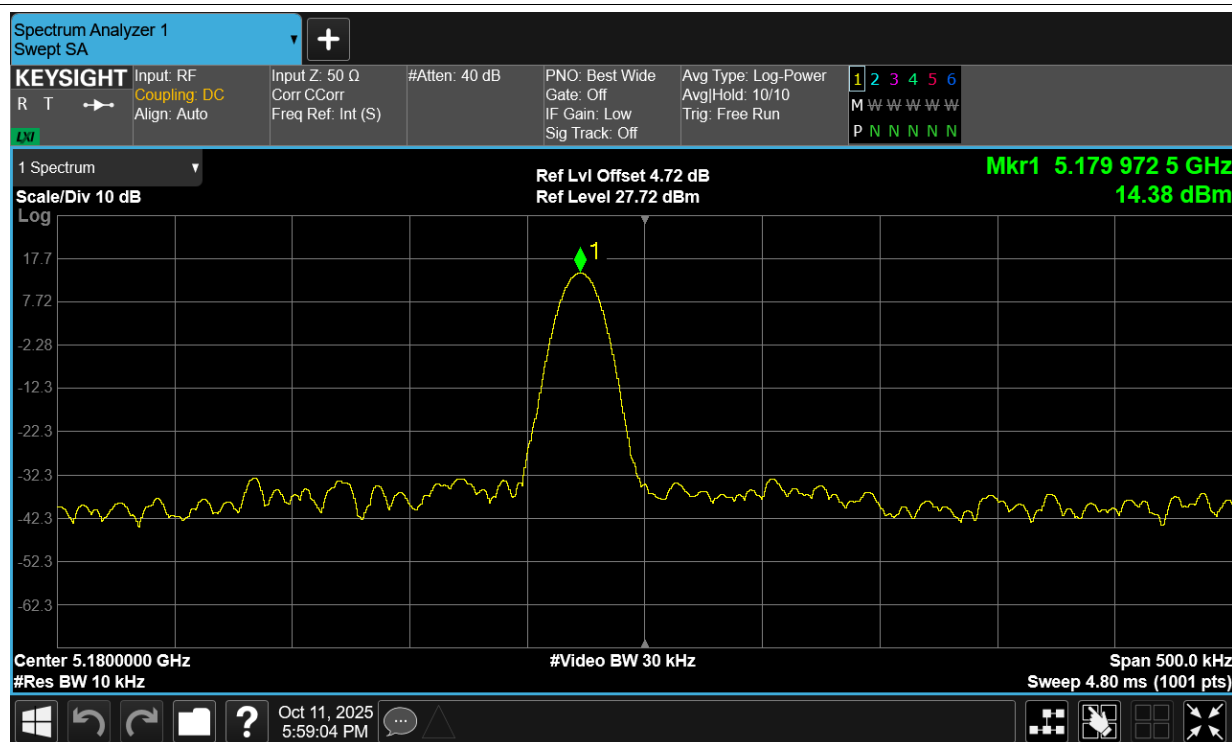
Freq. Stability LVNT a 5180MHz Ant1



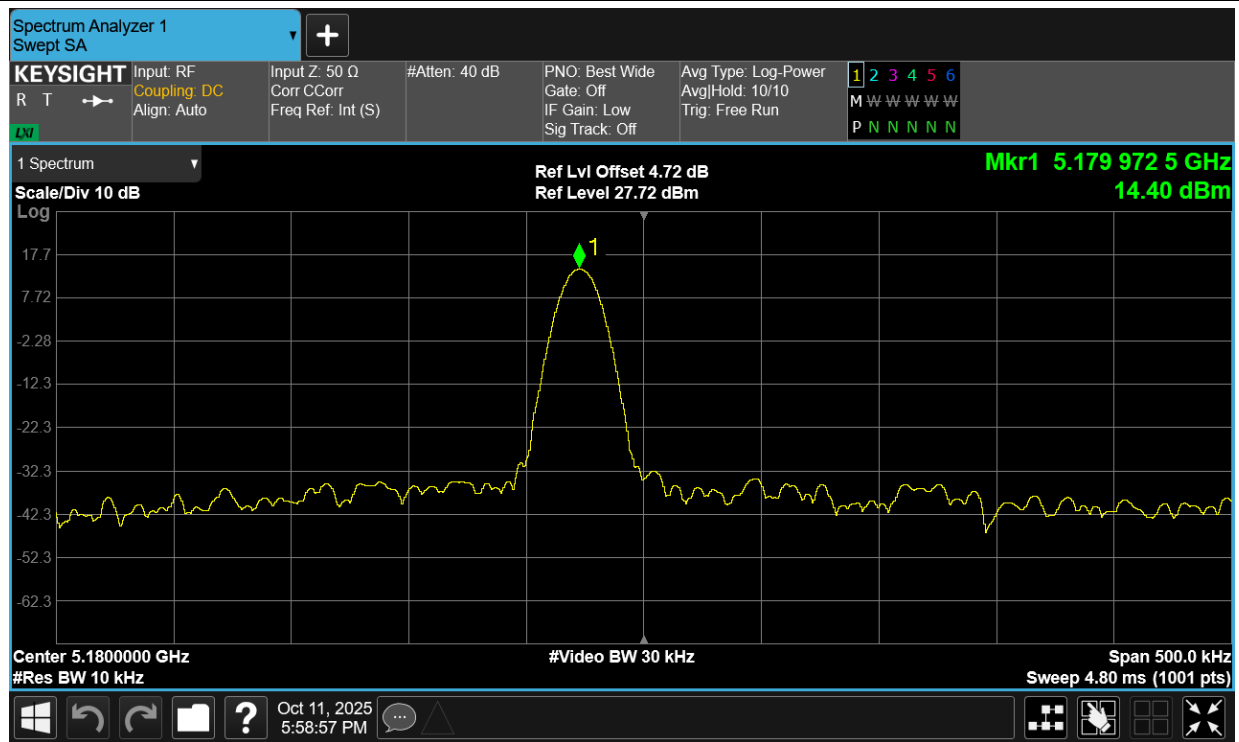
Freq. Stability NVHT a 5180MHz Ant1



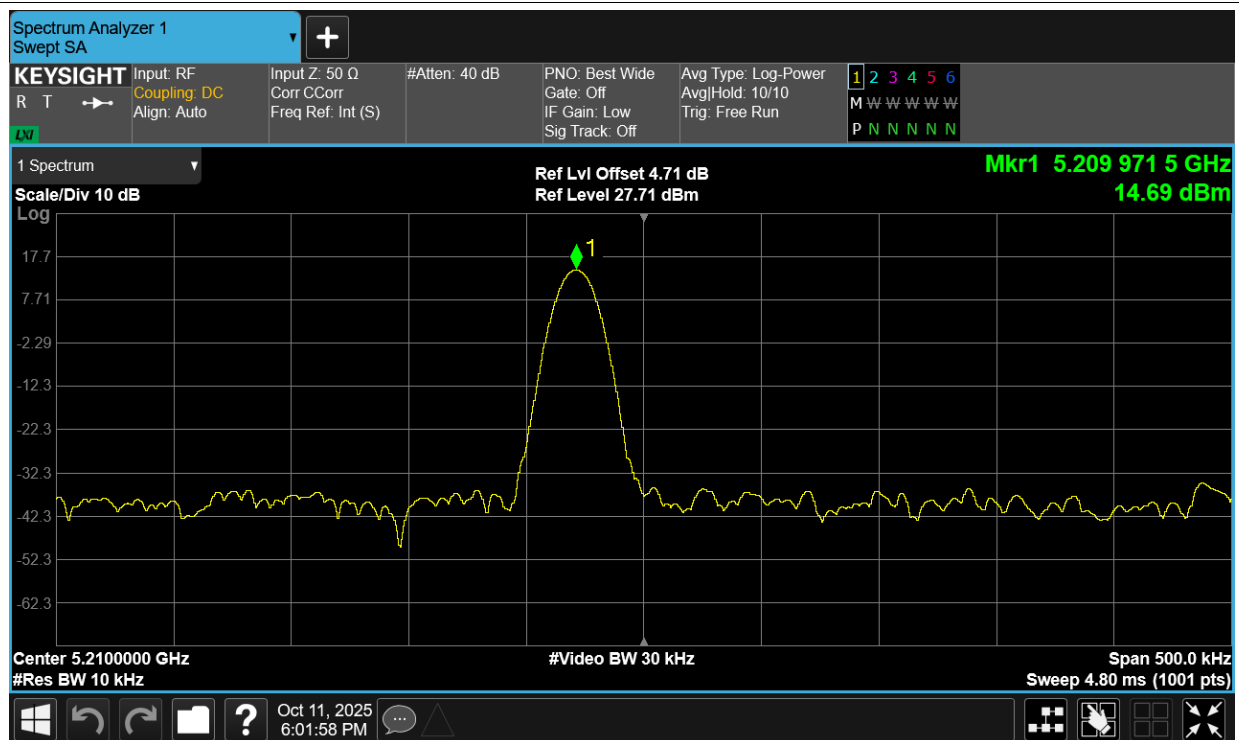
Freq. Stability NVLT a 5180MHz Ant1



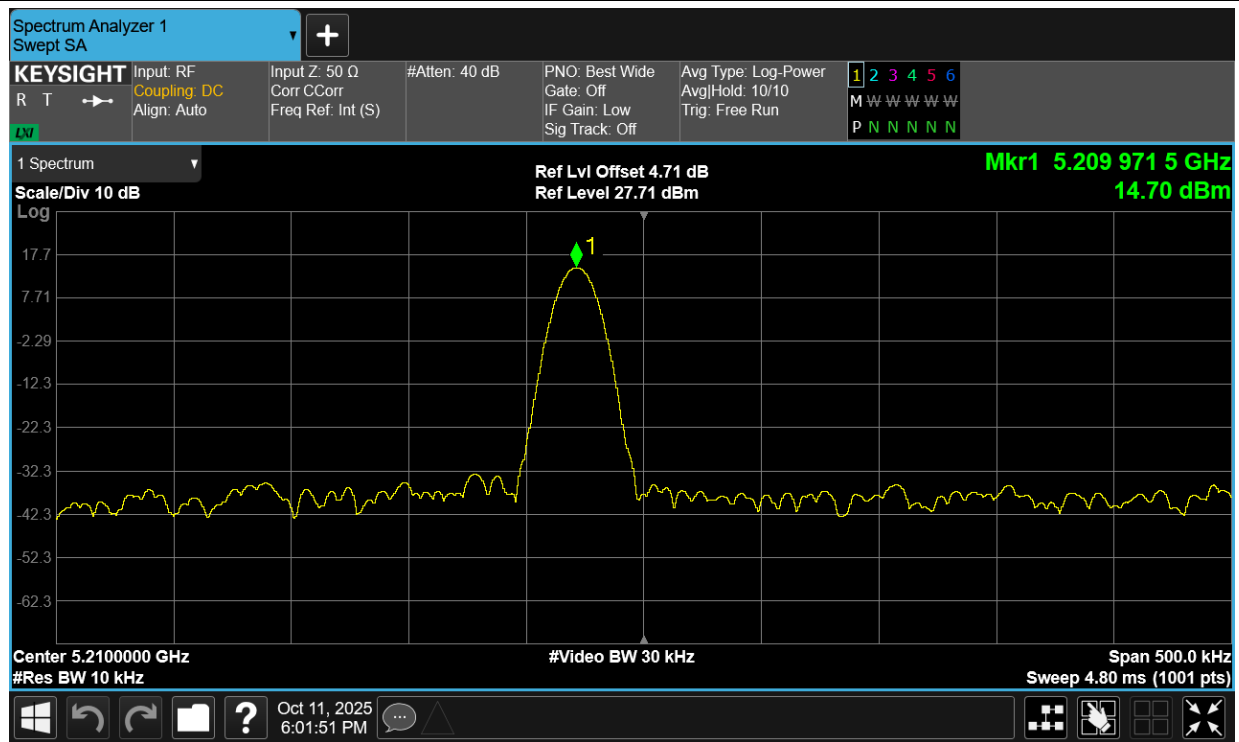
Freq. Stability NVNT a 5180MHz Ant1



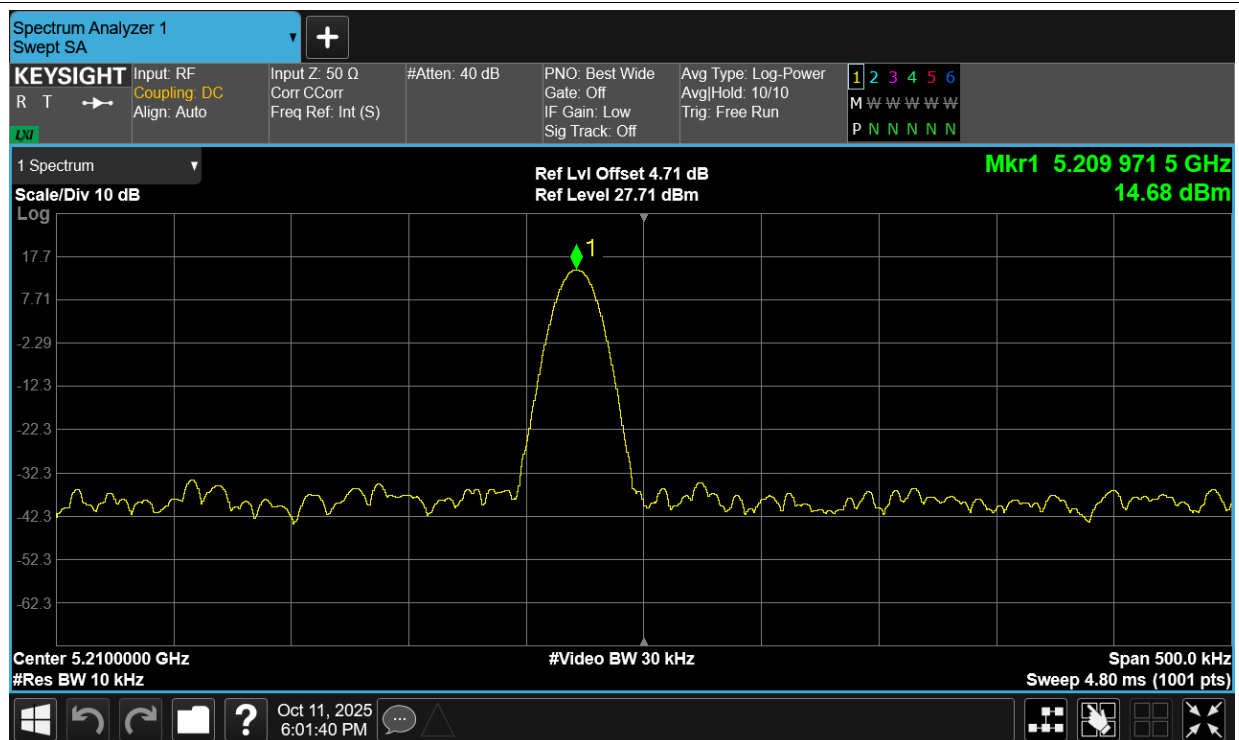
Freq. Stability HVNT ac80 5210MHz Ant1



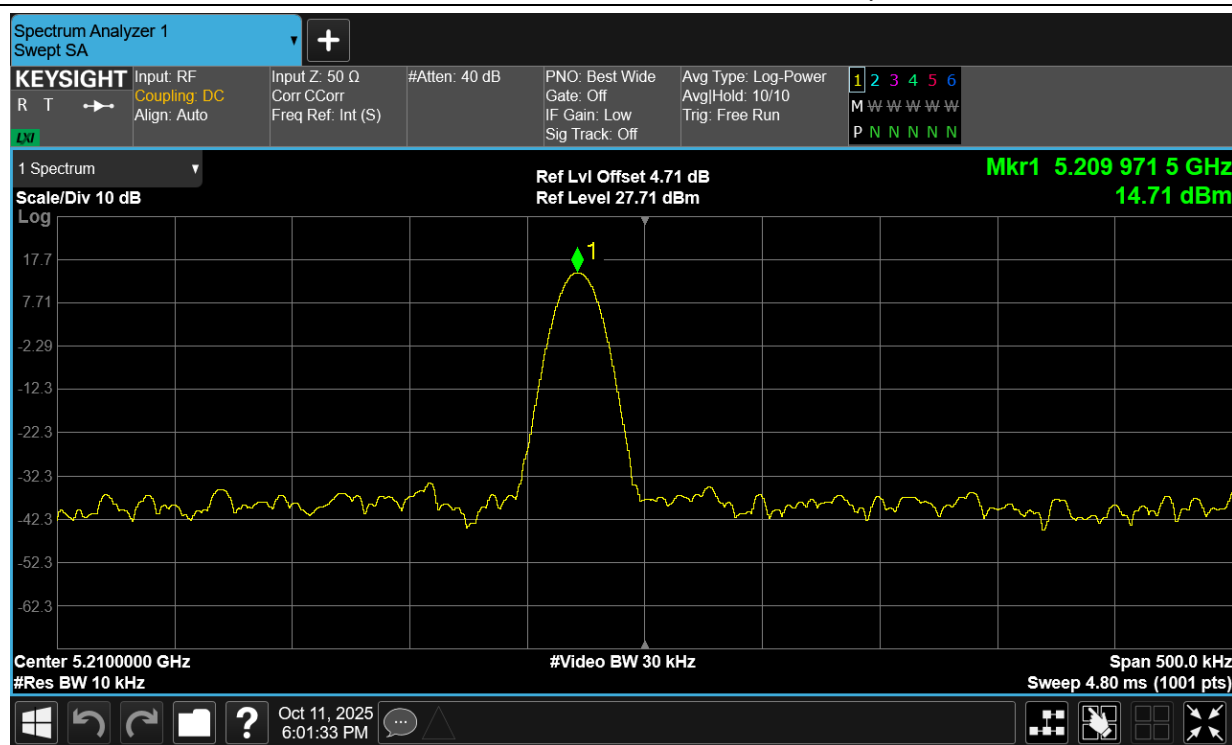
Freq. Stability LVNT ac80 5210MHz Ant1



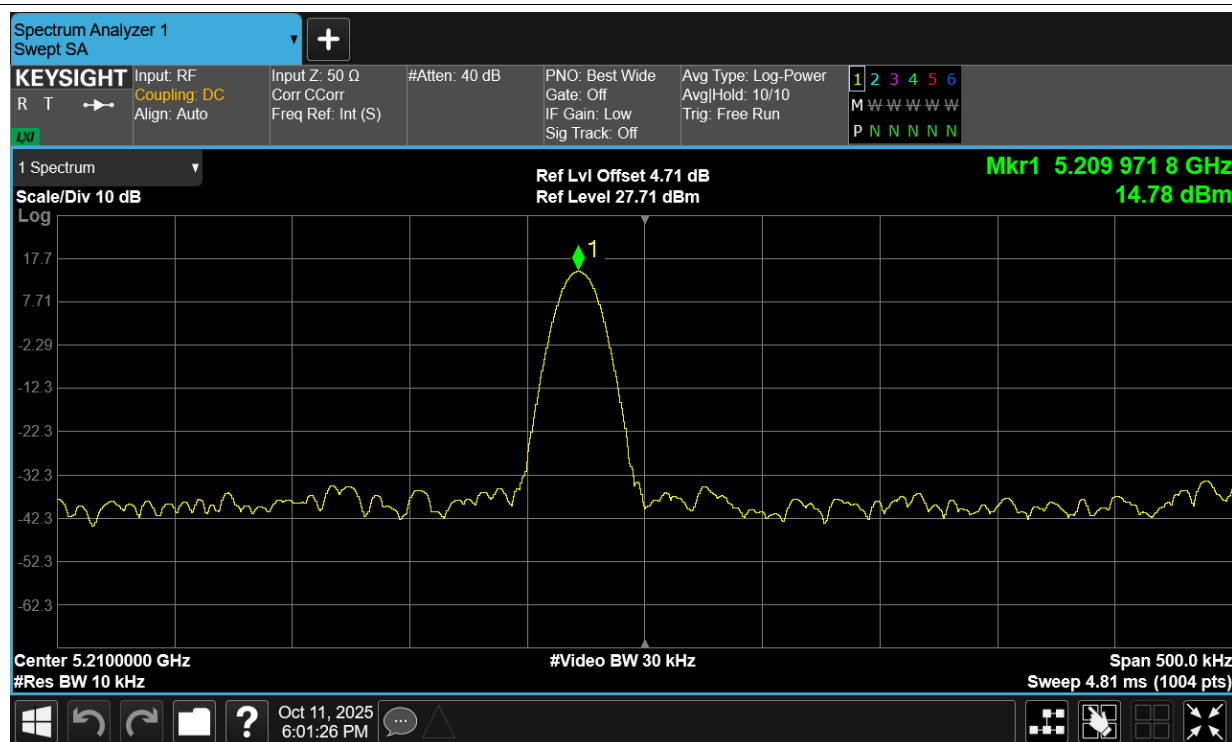
Freq. Stability NVHT ac80 5210MHz Ant1



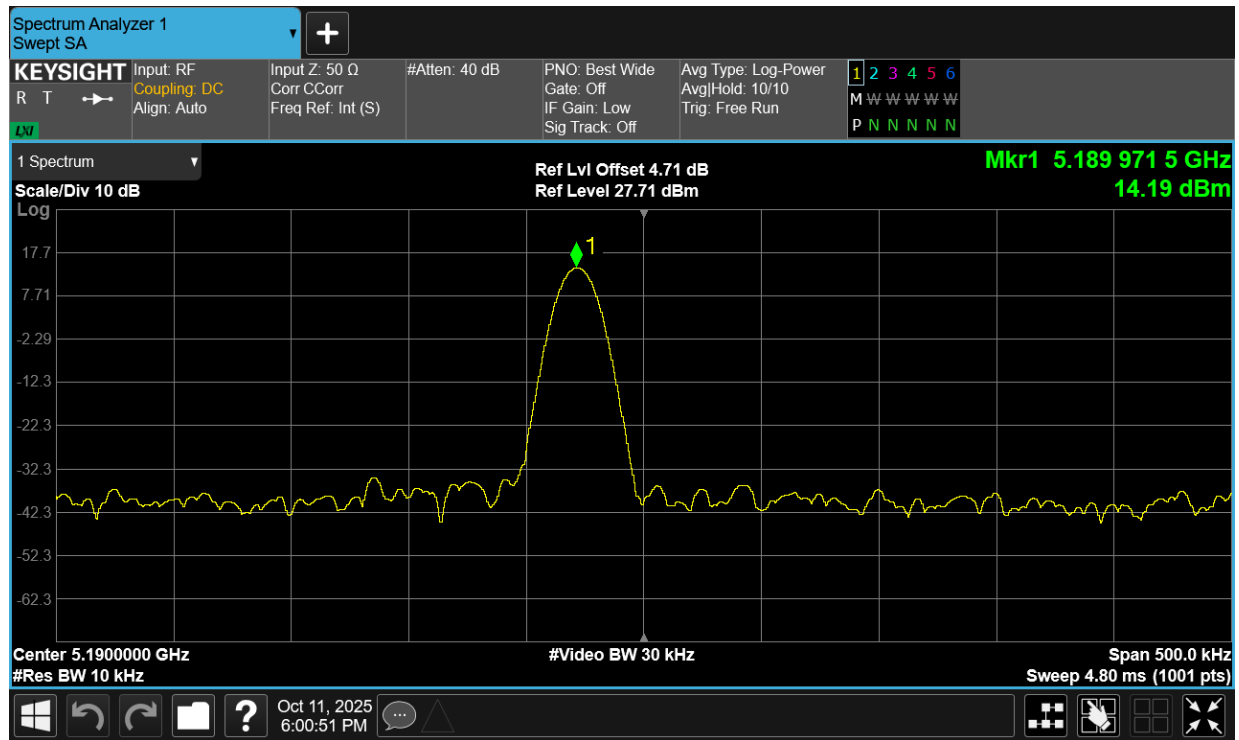
Freq. Stability NVLT ac80 5210MHz Ant1



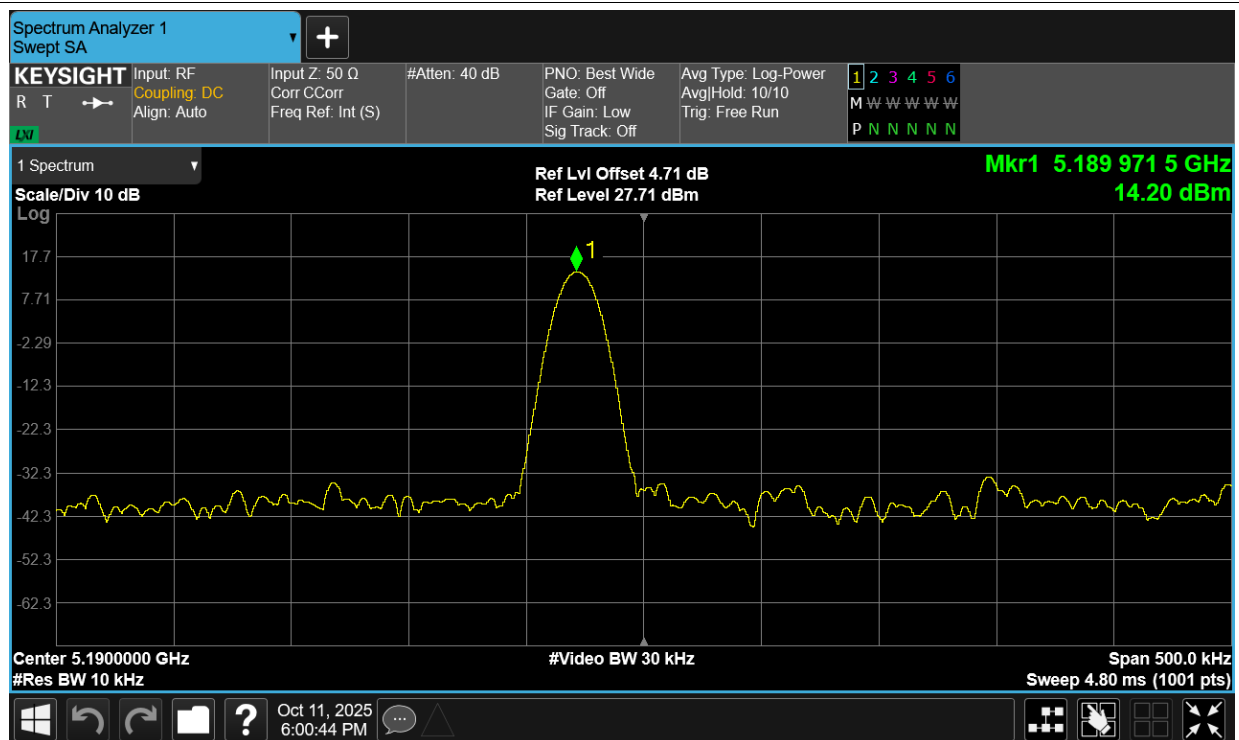
Freq. Stability NVNT ac80 5210MHz Ant1



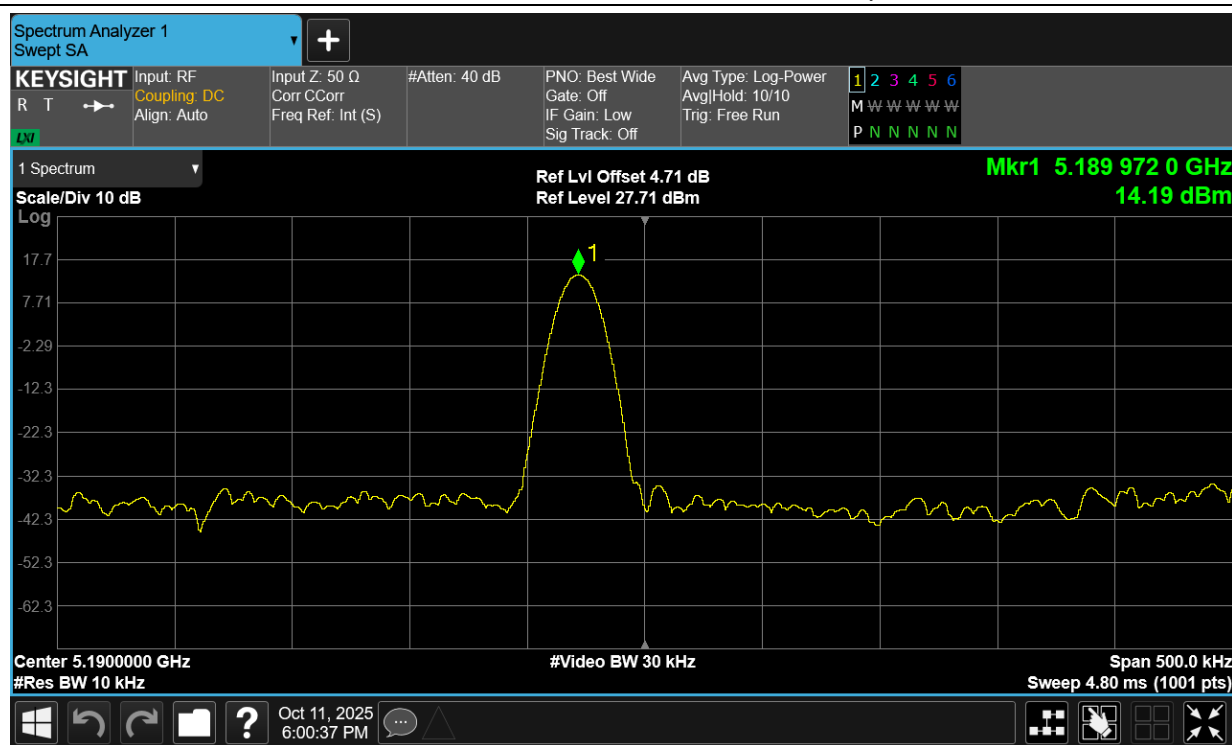
Freq. Stability HVNT n40 5190MHz Ant1



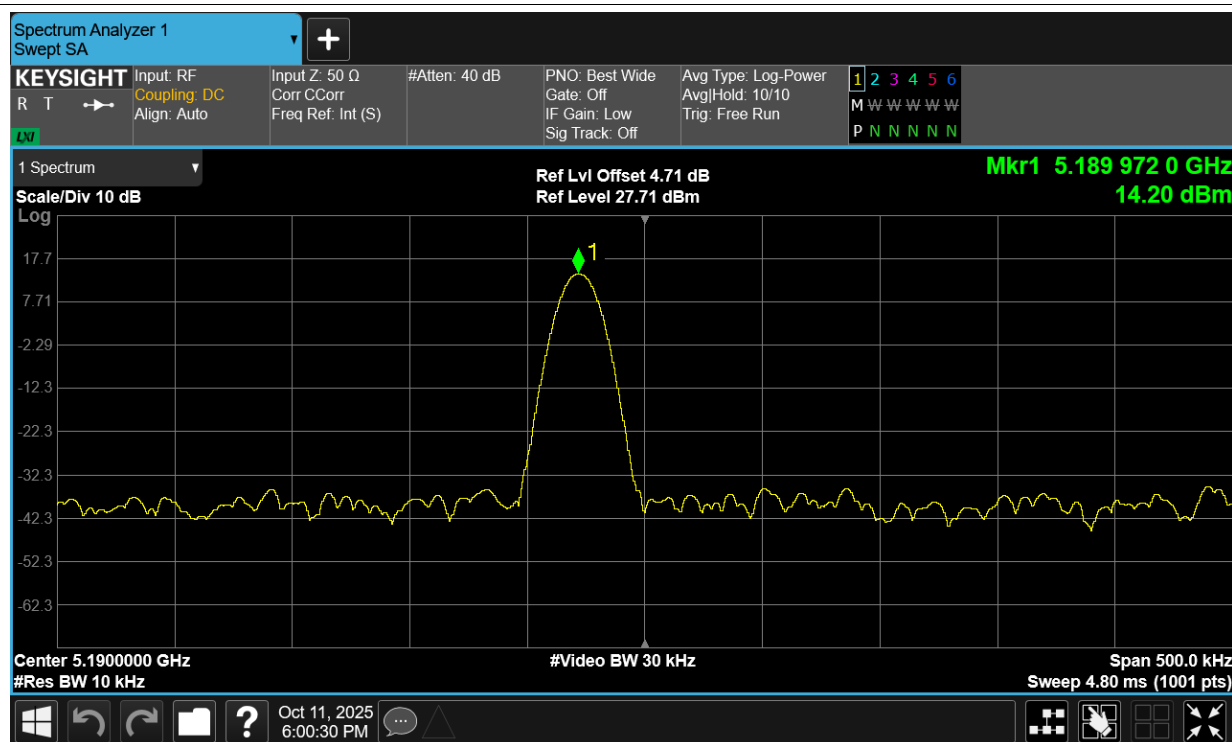
Freq. Stability LVNT n40 5190MHz Ant1



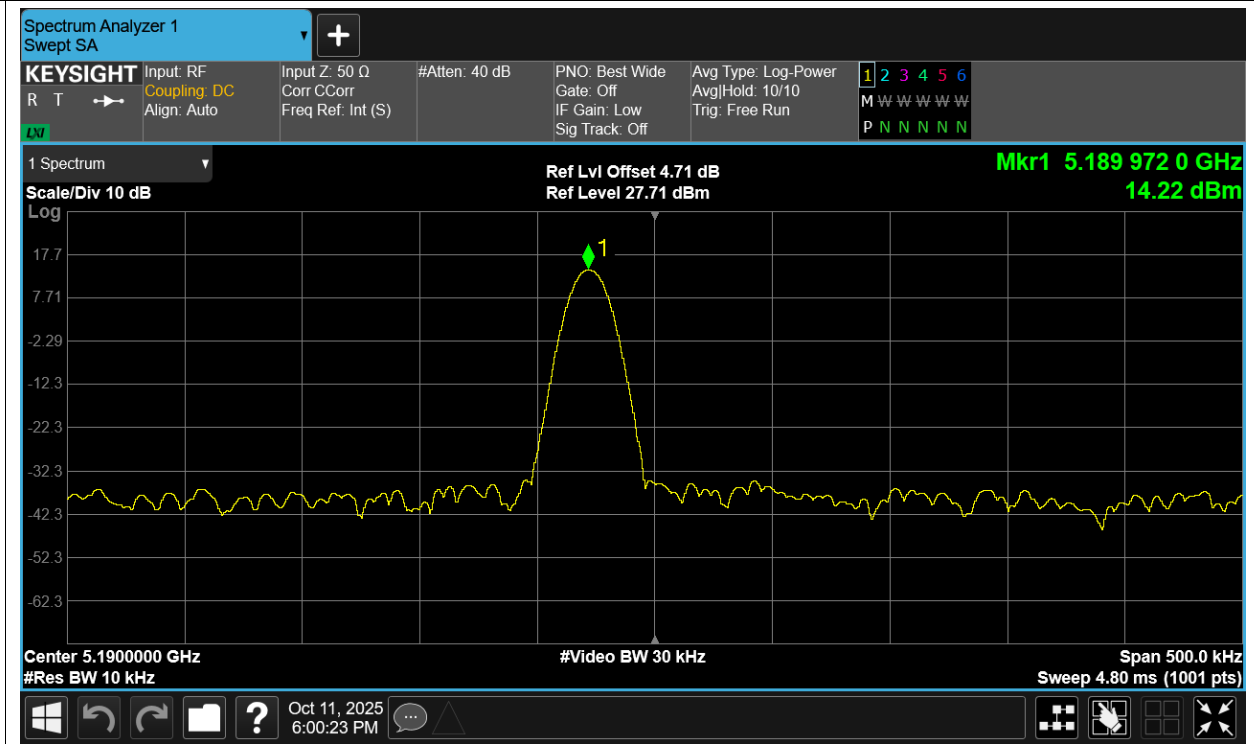
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1





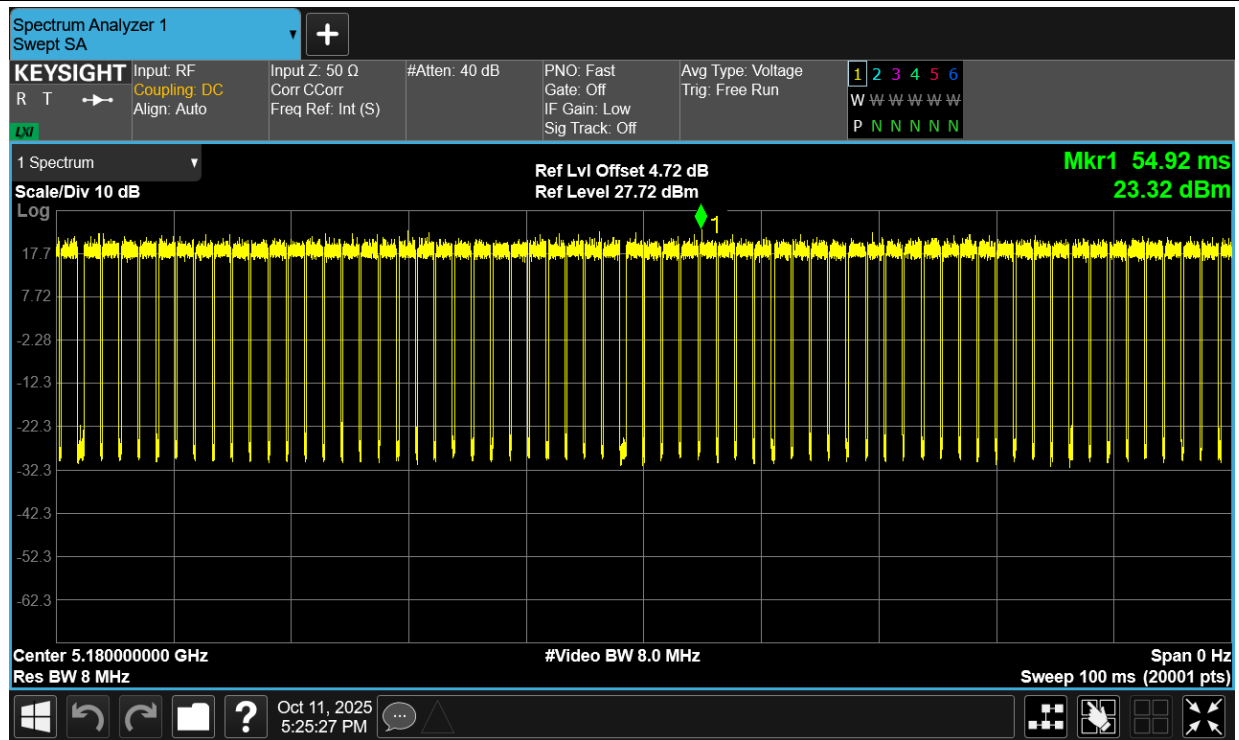
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	87.76	0.57
NVNT	a	5200	Ant1	88.53	0.53
NVNT	a	5240	Ant1	88.21	0.54
NVNT	ac20	5180	Ant1	86.23	0.64
NVNT	ac20	5200	Ant1	86.81	0.61
NVNT	ac20	5240	Ant1	86.02	0.65
NVNT	ac40	5190	Ant1	76.25	1.18
NVNT	ac40	5230	Ant1	76.79	1.15
NVNT	ac80	5210	Ant1	62.74	2.02
NVNT	n20	5180	Ant1	86.75	0.62
NVNT	n20	5200	Ant1	87.03	0.6
NVNT	n20	5240	Ant1	86.46	0.63
NVNT	n40	5190	Ant1	76.86	1.14
NVNT	n40	5230	Ant1	76.15	1.18

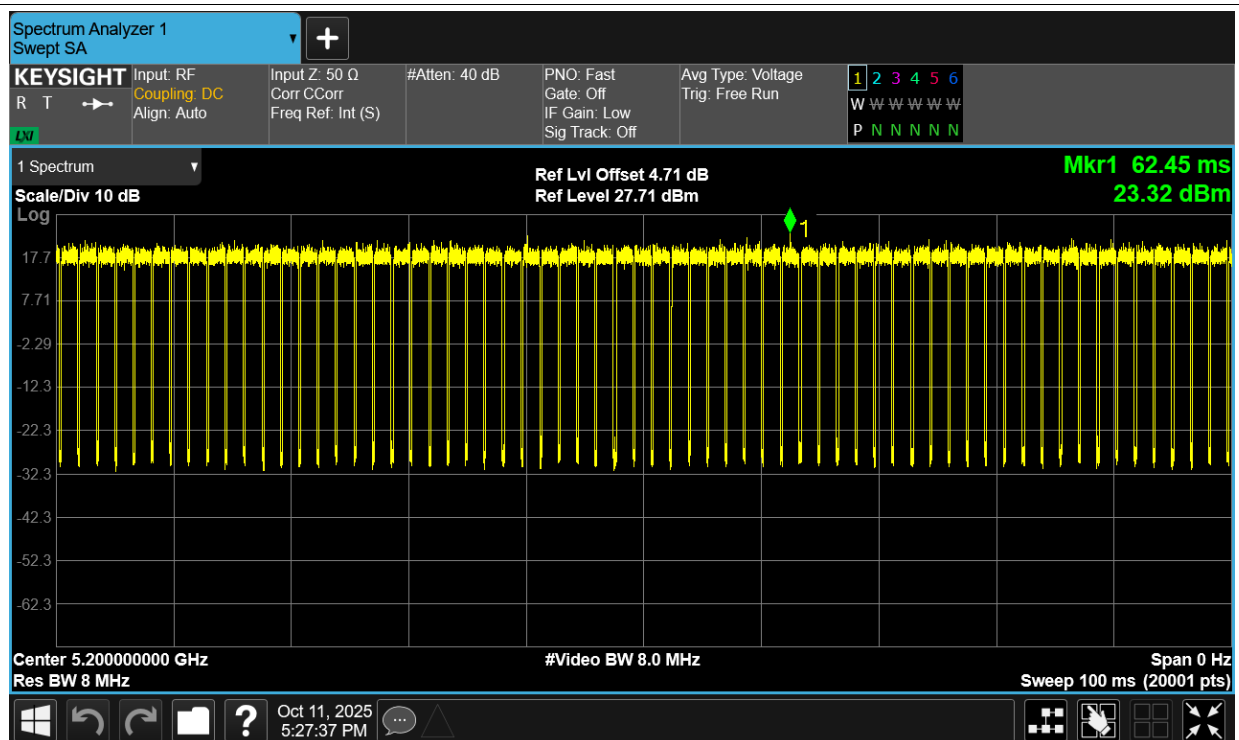


Test Graphs

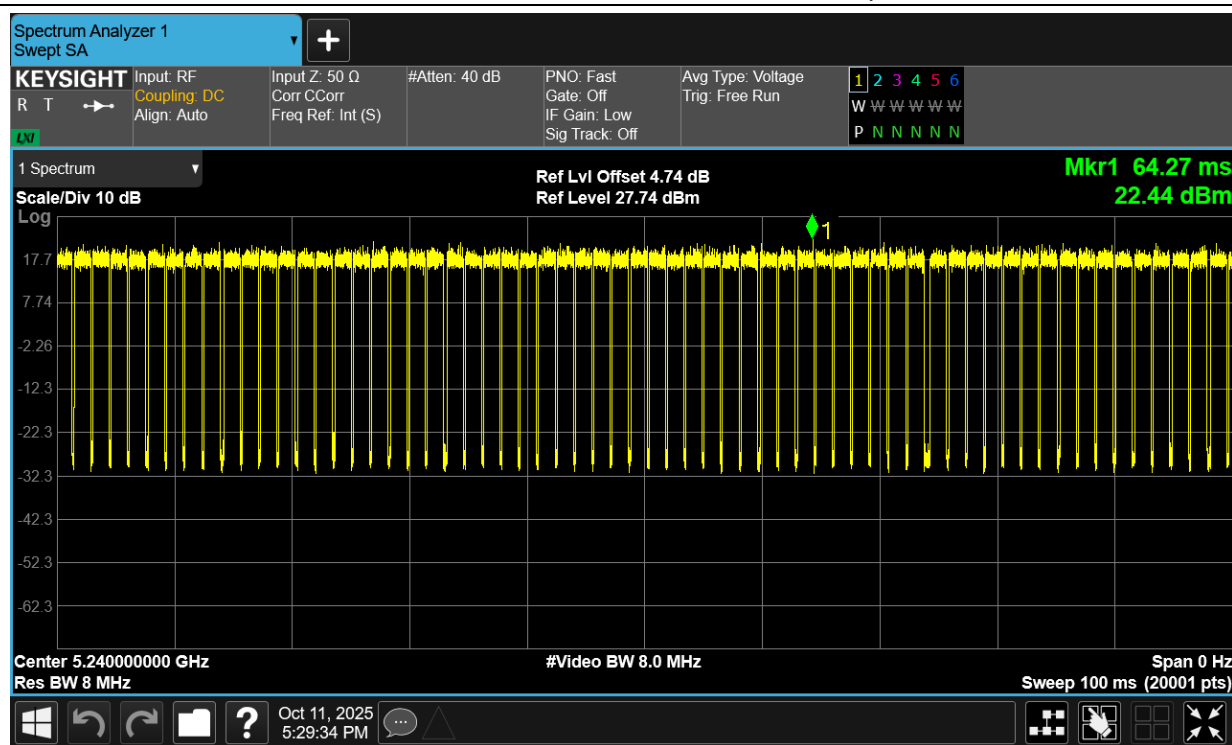
Duty Cycle NVNT a 5180MHz Ant1



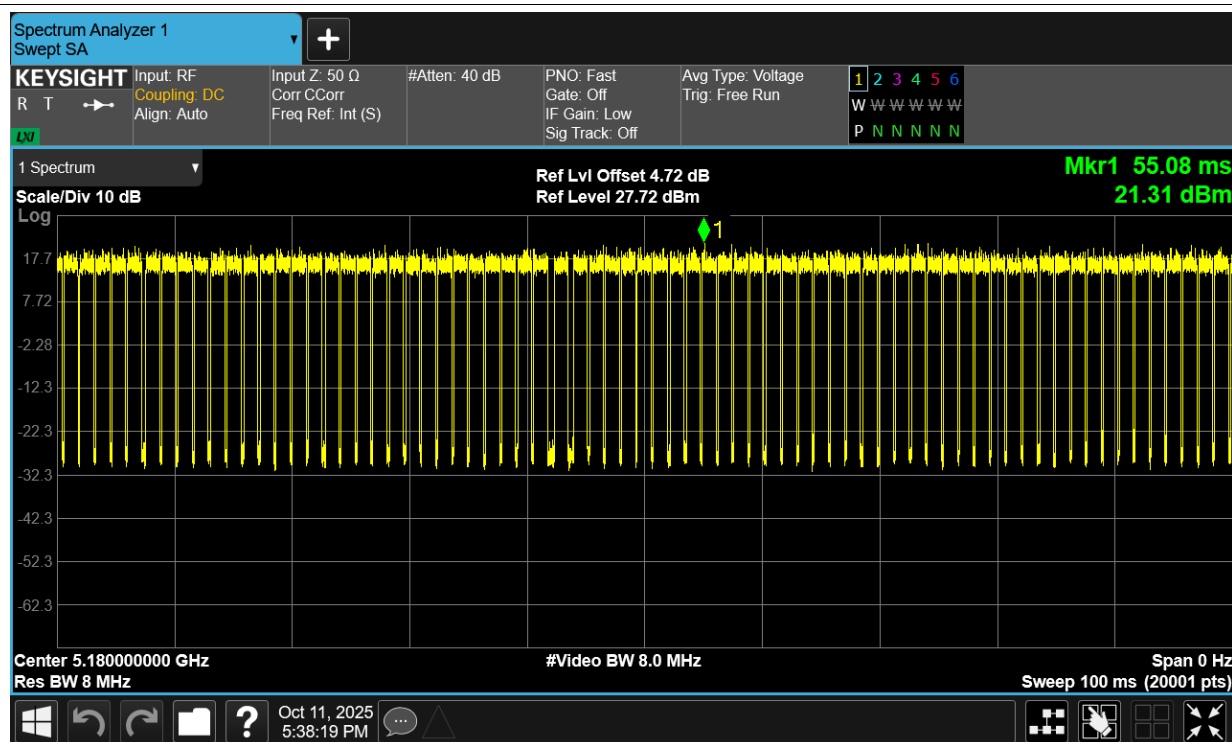
Duty Cycle NVNT a 5200MHz Ant1



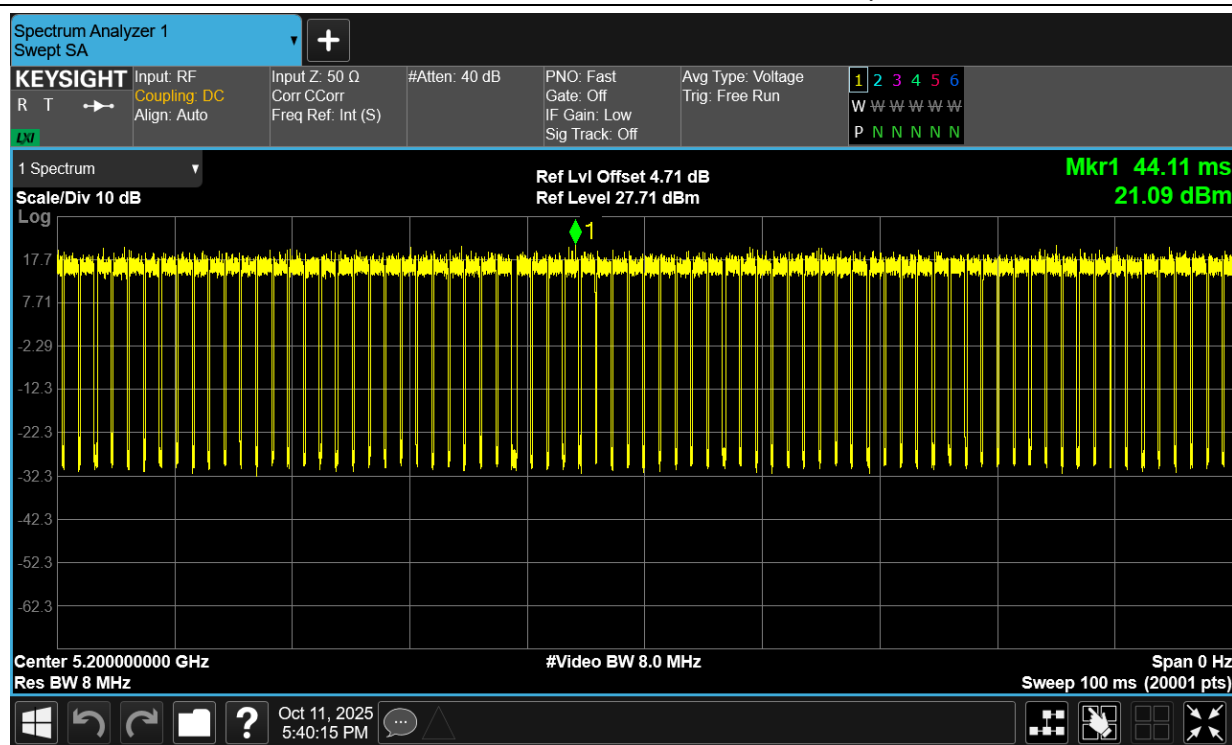
Duty Cycle NVNT a 5240MHz Ant1



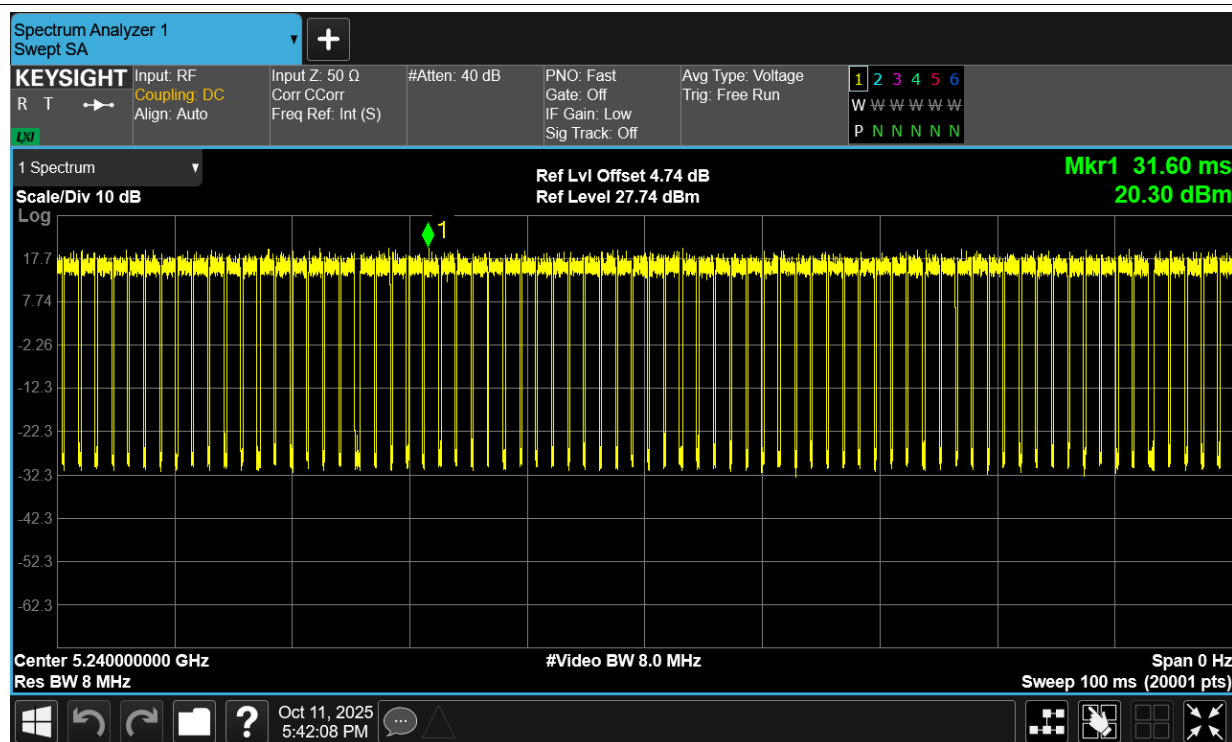
Duty Cycle NVNT ac20 5180MHz Ant1



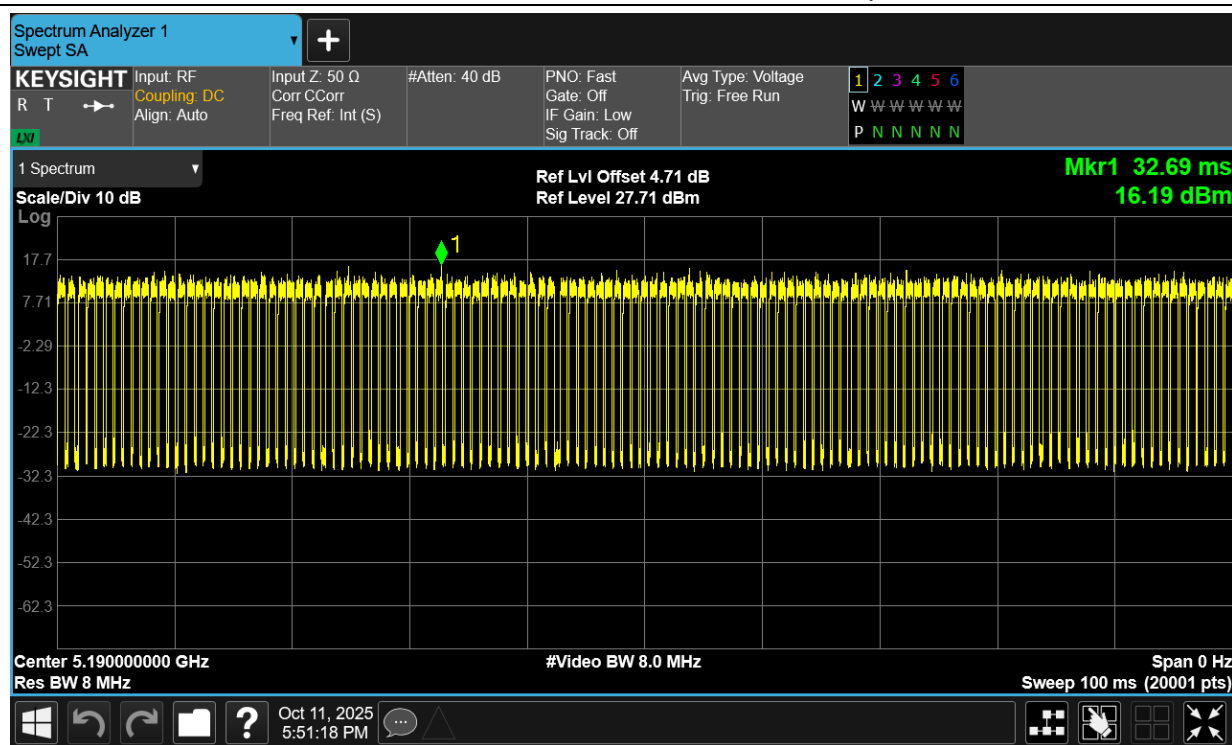
Duty Cycle NVNT ac20 5200MHz Ant1



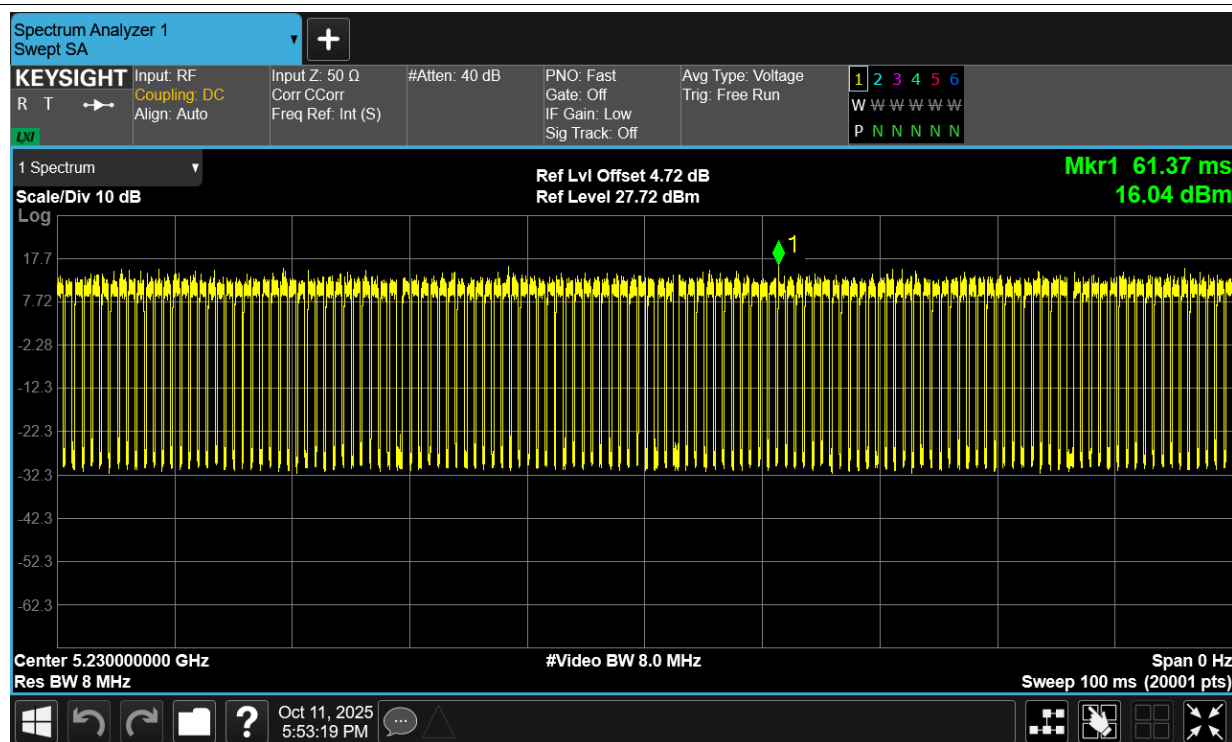
Duty Cycle NVNT ac20 5240MHz Ant1



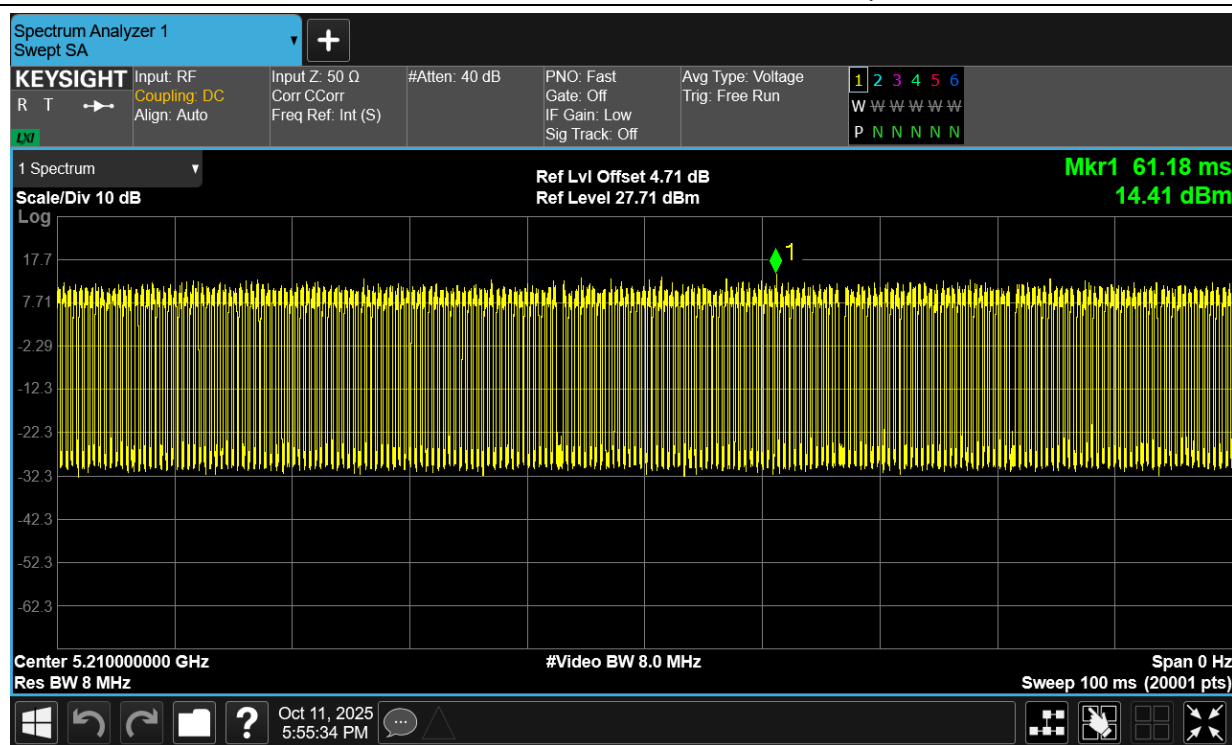
Duty Cycle NVNT ac40 5190MHz Ant1



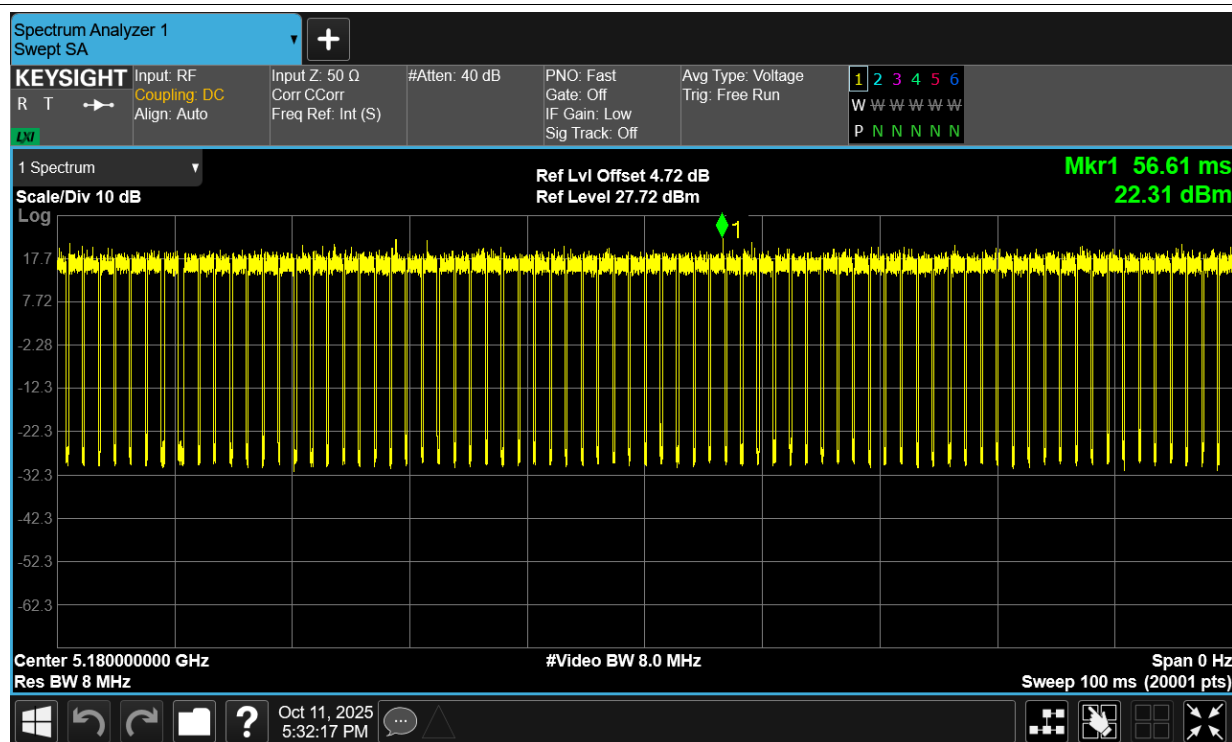
Duty Cycle NVNT ac40 5230MHz Ant1



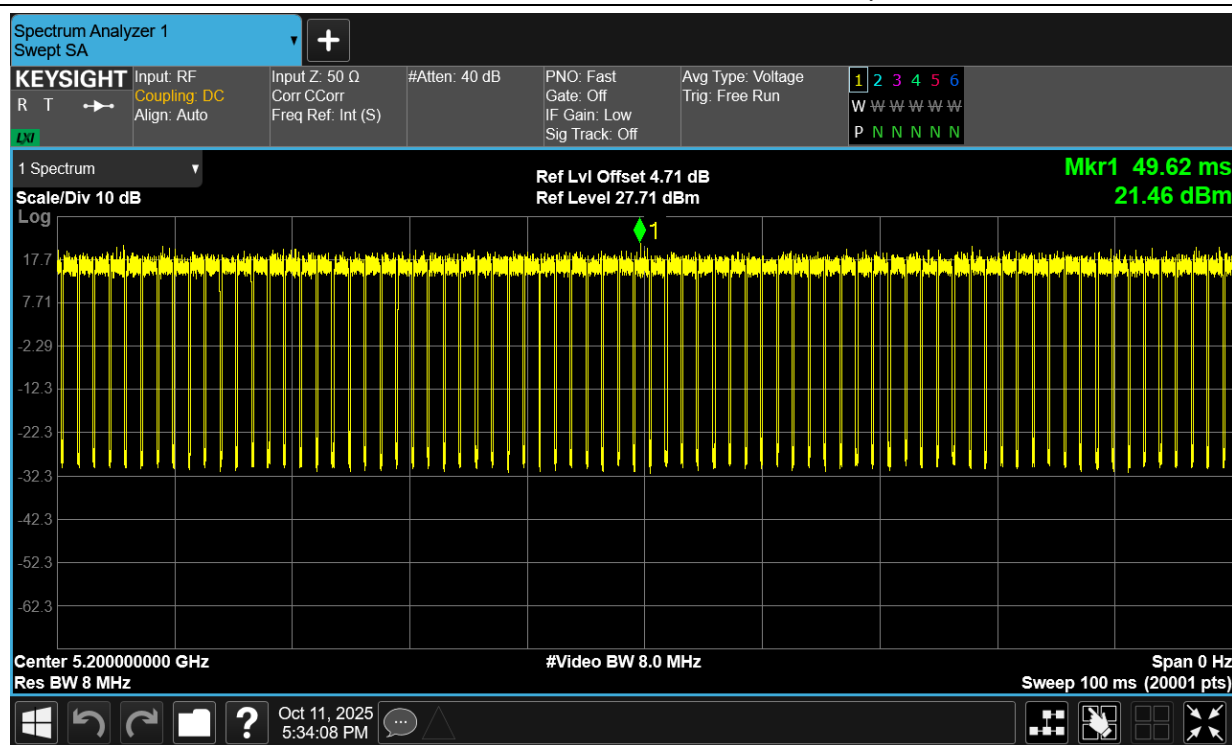
Duty Cycle NVNT ac80 5210MHz Ant1



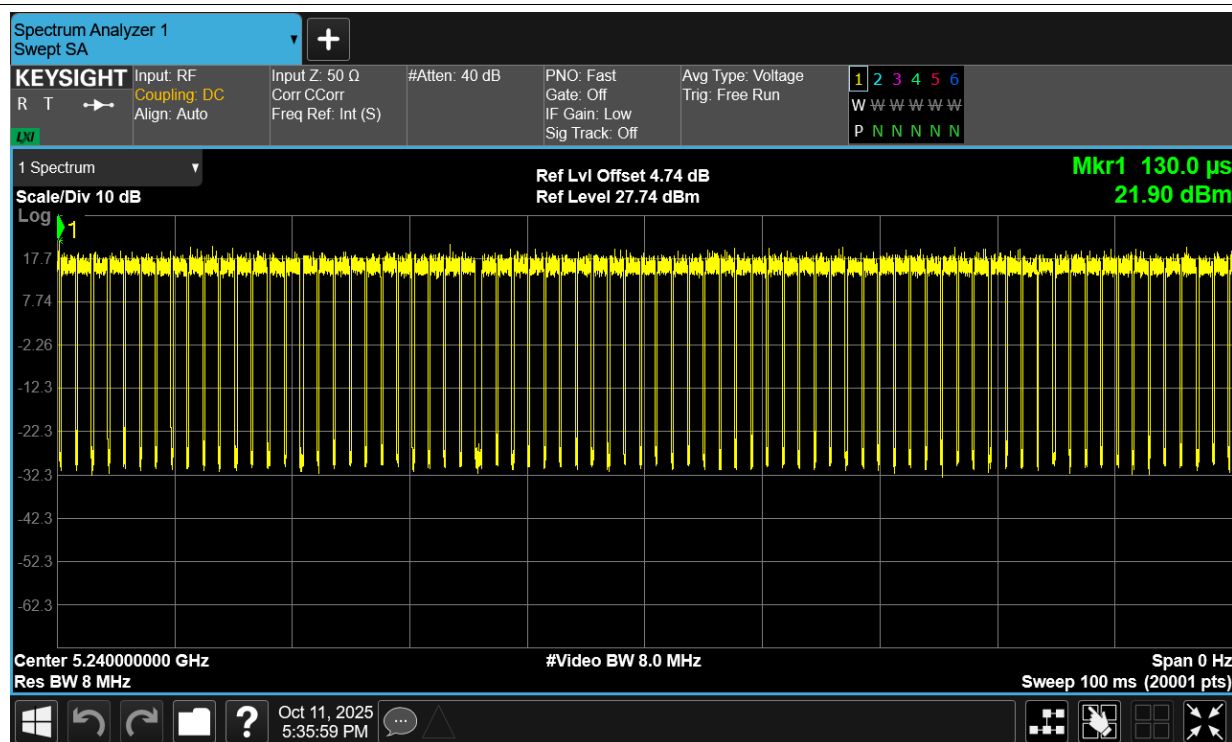
Duty Cycle NVNT n20 5180MHz Ant1



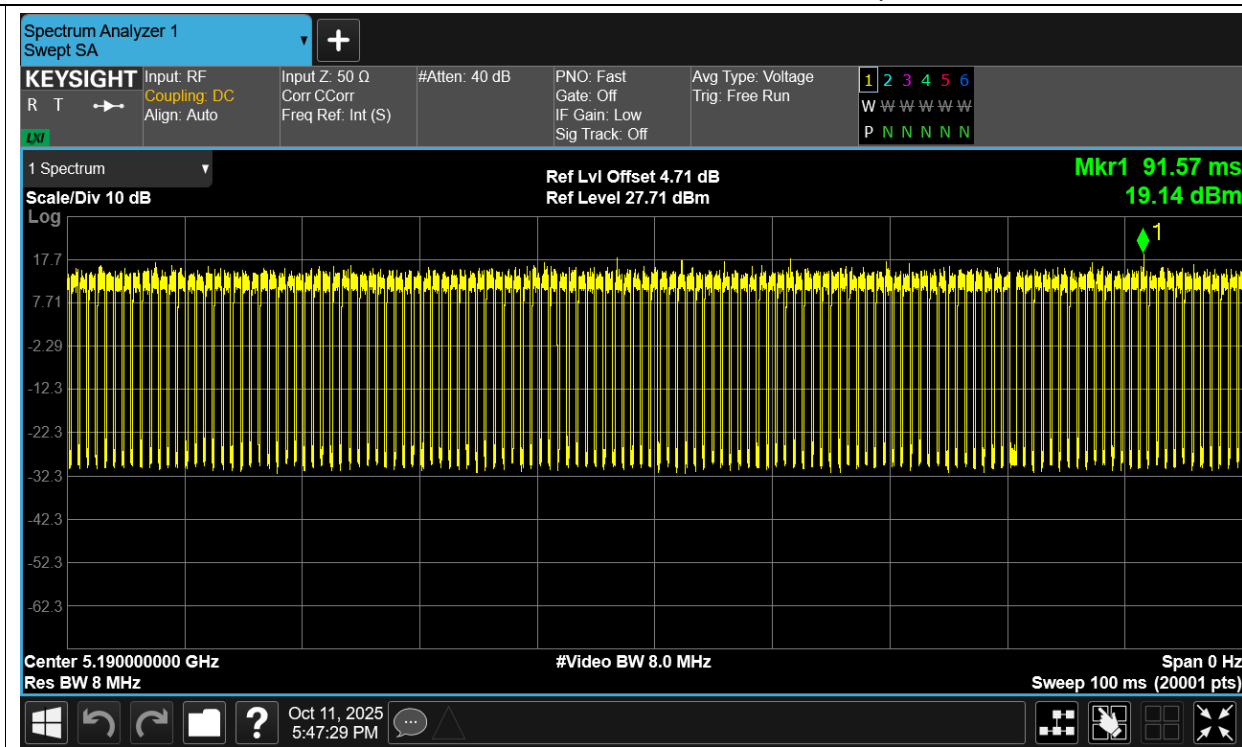
Duty Cycle NVNT n20 5200MHz Ant1



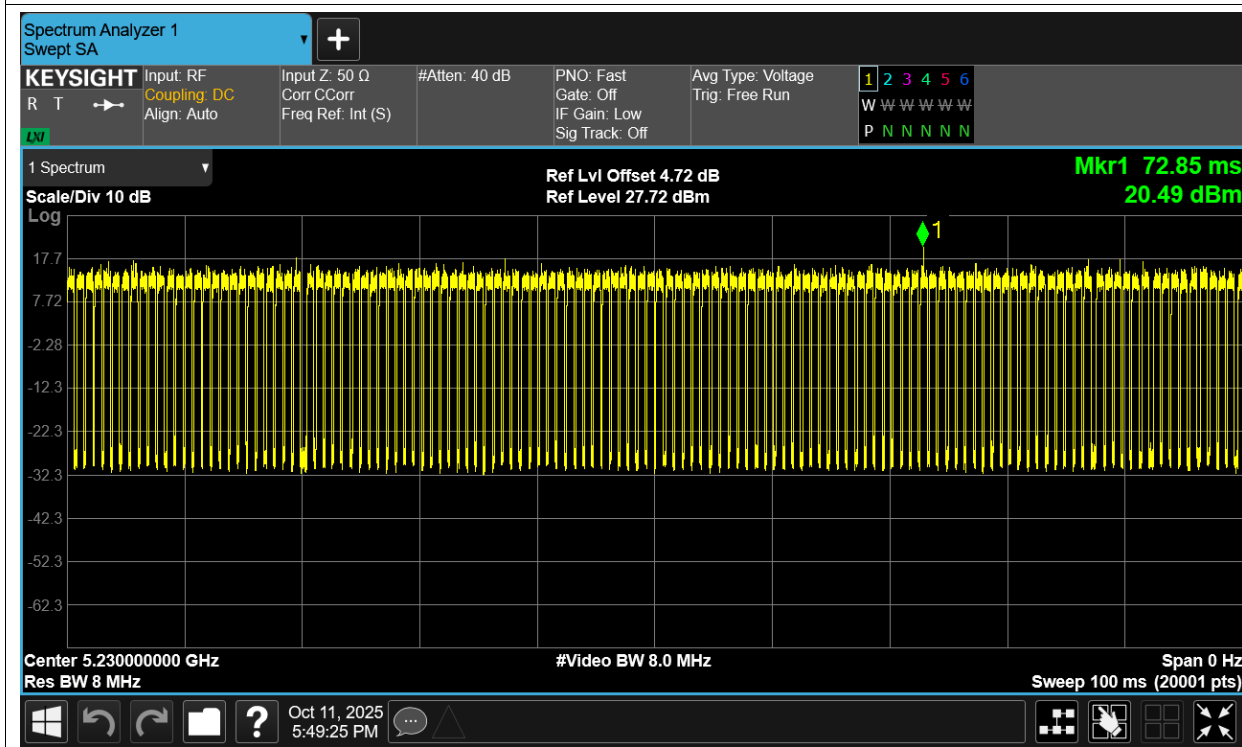
Duty Cycle NVNT n20 5240MHz Ant1



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	14.97	0.57	15.54	24	Pass
NVNT	a	5200	Ant1	15.04	0.53	15.57	24	Pass
NVNT	a	5240	Ant1	15.34	0.54	15.88	24	Pass
NVNT	ac20	5180	Ant1	13.18	0.64	13.82	24	Pass
NVNT	ac20	5200	Ant1	12.89	0.61	13.5	24	Pass
NVNT	ac20	5240	Ant1	13.27	0.65	13.92	24	Pass
NVNT	ac40	5190	Ant1	11.26	1.18	12.44	23	Pass
NVNT	ac40	5230	Ant1	11.79	1.15	12.94	24	Pass
NVNT	ac80	5210	Ant1	12.3	2.02	14.32	24	Pass
NVNT	n20	5180	Ant1	12.81	0.62	13.43	24	Pass
NVNT	n20	5200	Ant1	12.92	0.6	13.52	24	Pass
NVNT	n20	5240	Ant1	13.26	0.63	13.89	24	Pass
NVNT	n40	5190	Ant1	12.33	1.14	13.47	24	Pass
NVNT	n40	5230	Ant1	12.87	1.18	14.05	24	Pass



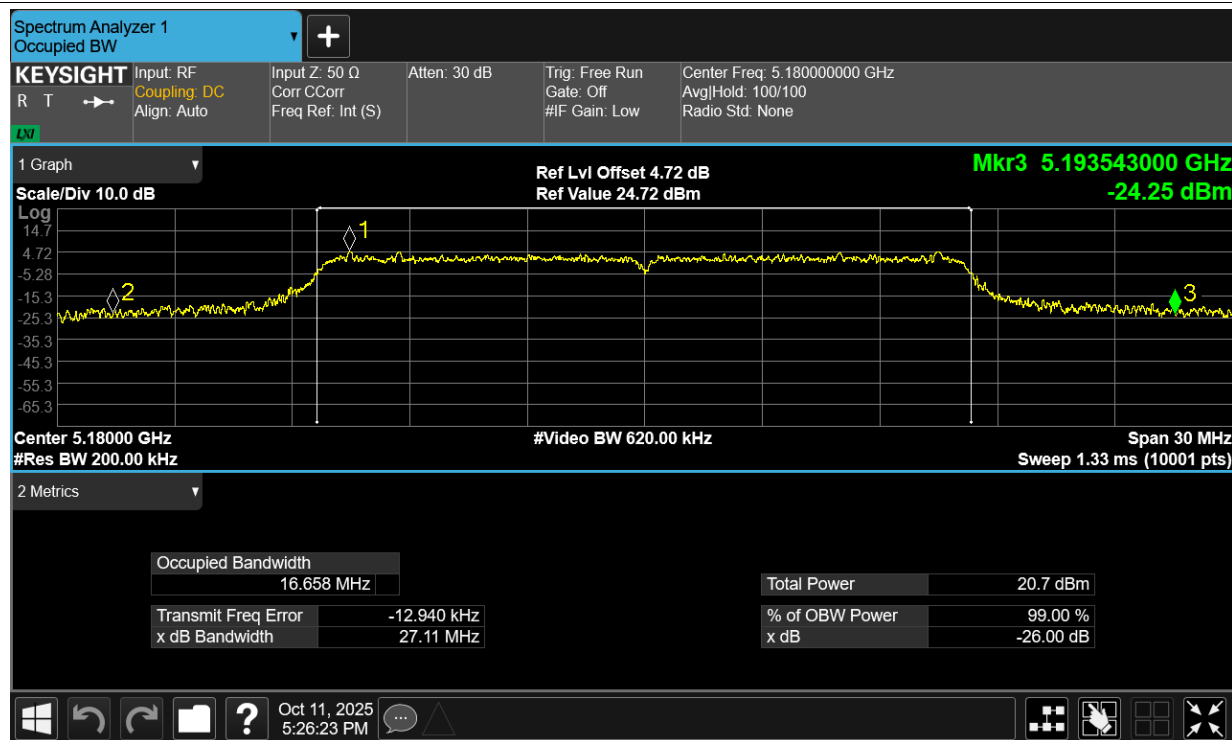
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	27.113
NVNT	a	5200	Ant1	29.528
NVNT	a	5240	Ant1	29.196
NVNT	ac20	5180	Ant1	24.372
NVNT	ac20	5200	Ant1	26.122
NVNT	ac20	5240	Ant1	25.953
NVNT	ac40	5190	Ant1	54.306
NVNT	ac40	5230	Ant1	54.603
NVNT	ac80	5210	Ant1	86.989
NVNT	n20	5180	Ant1	26.077
NVNT	n20	5200	Ant1	26.676
NVNT	n20	5240	Ant1	27.069
NVNT	n40	5190	Ant1	48.462
NVNT	n40	5230	Ant1	49.698

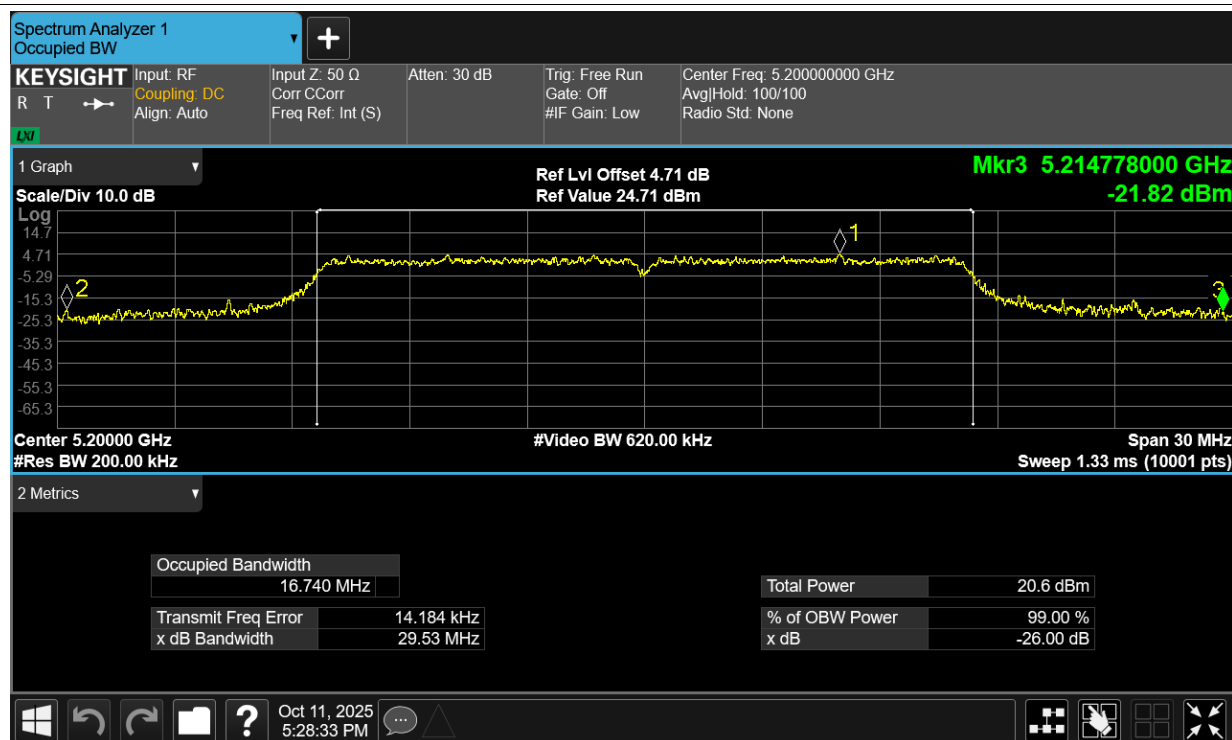


Test Graphs

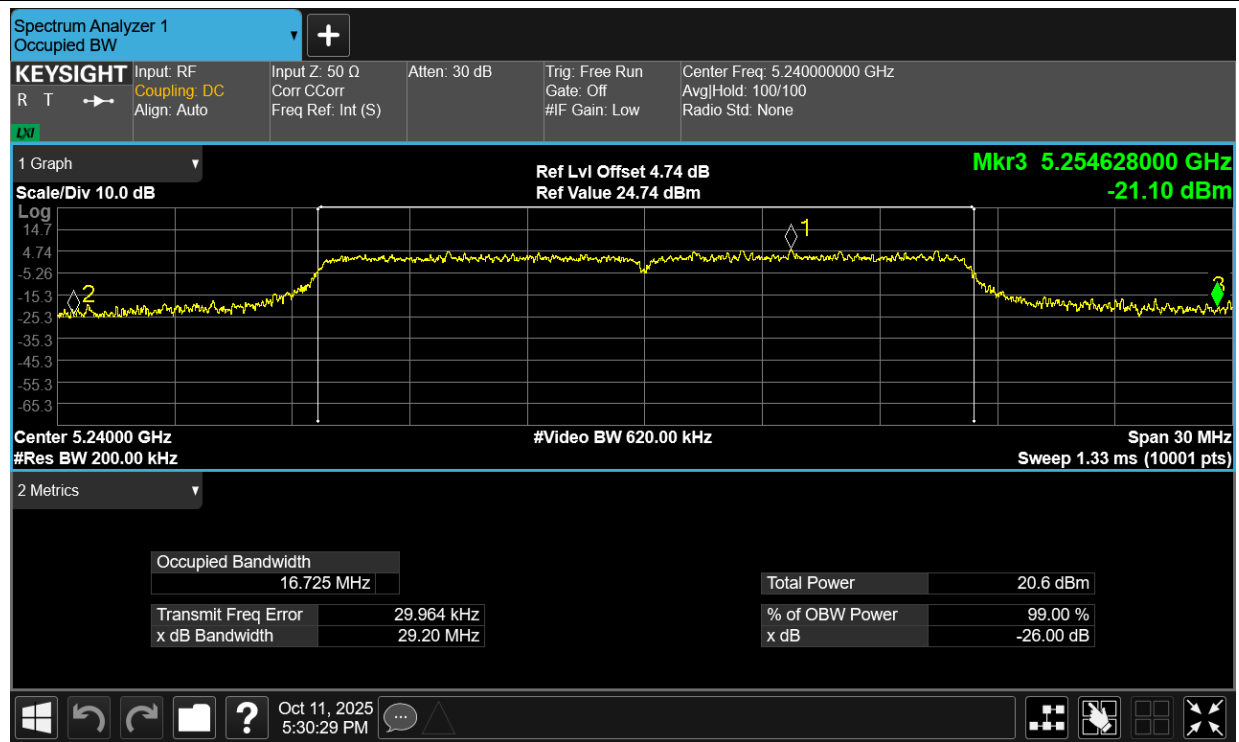
-26dB Bandwidth NVNT a 5180MHz Ant1



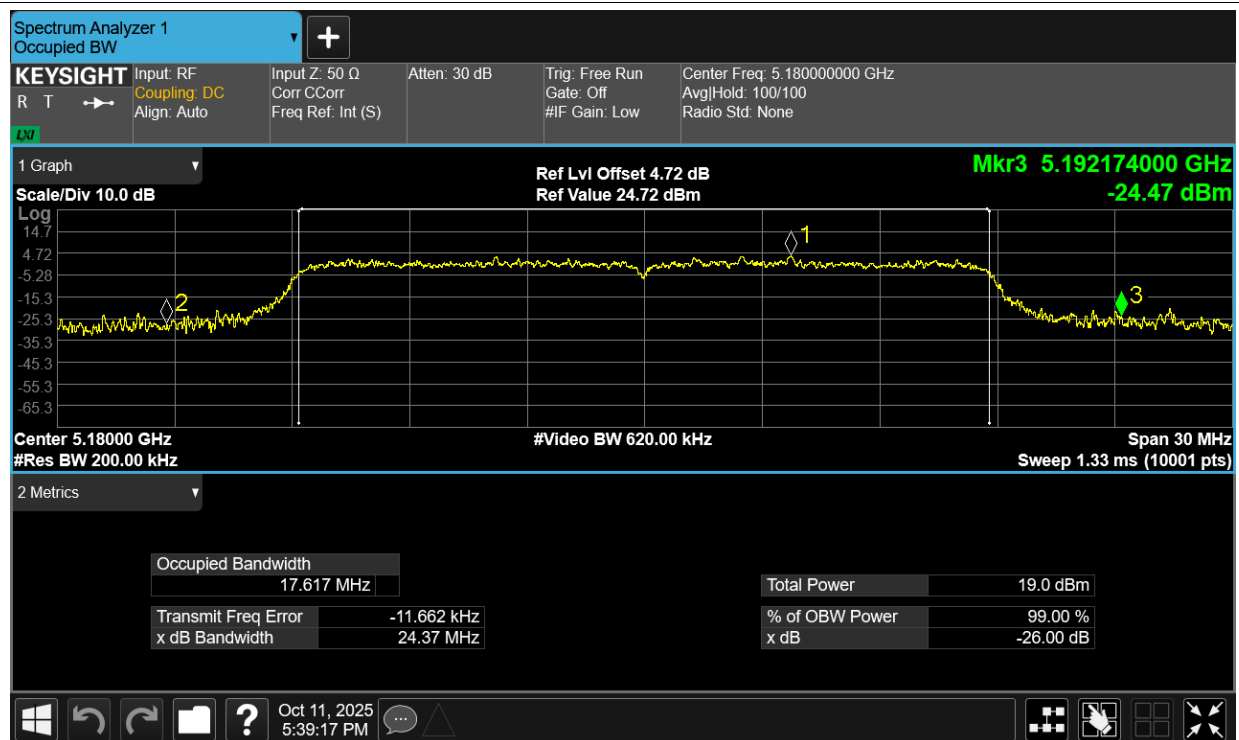
-26dB Bandwidth NVNT a 5200MHz Ant1



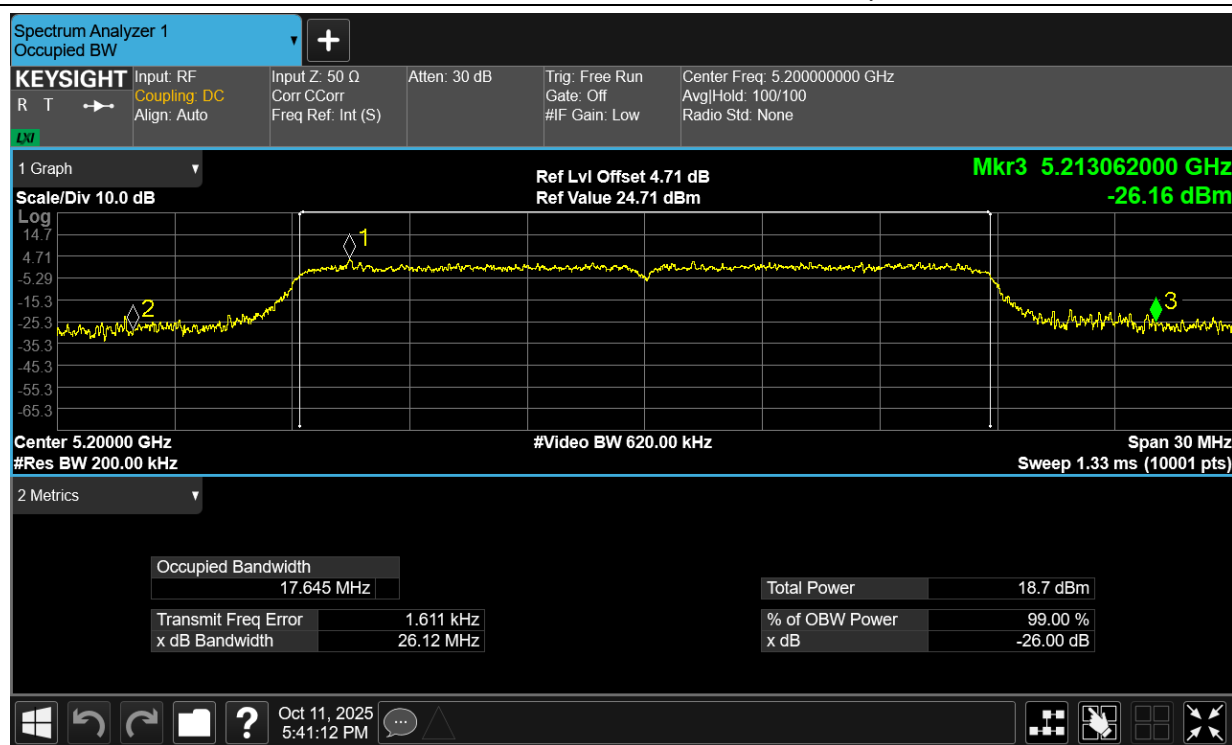
-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT ac20 5180MHz Ant1



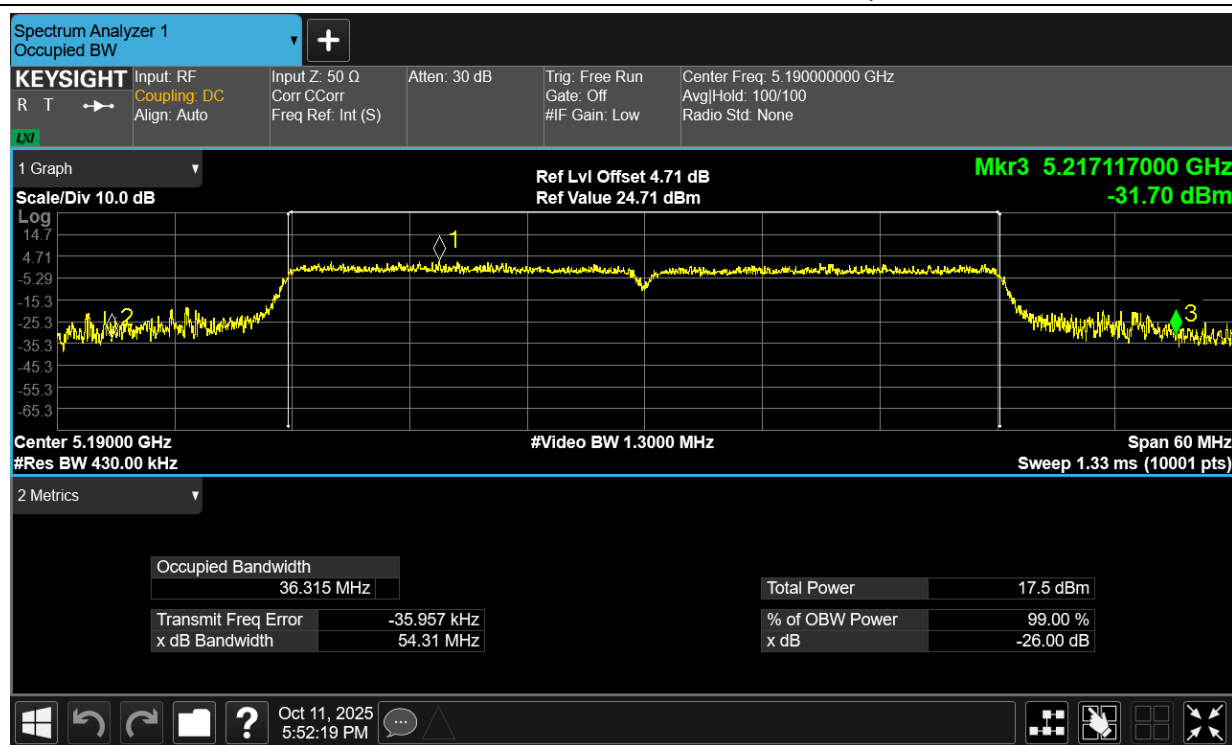
-26dB Bandwidth NVNT ac20 5200MHz Ant1



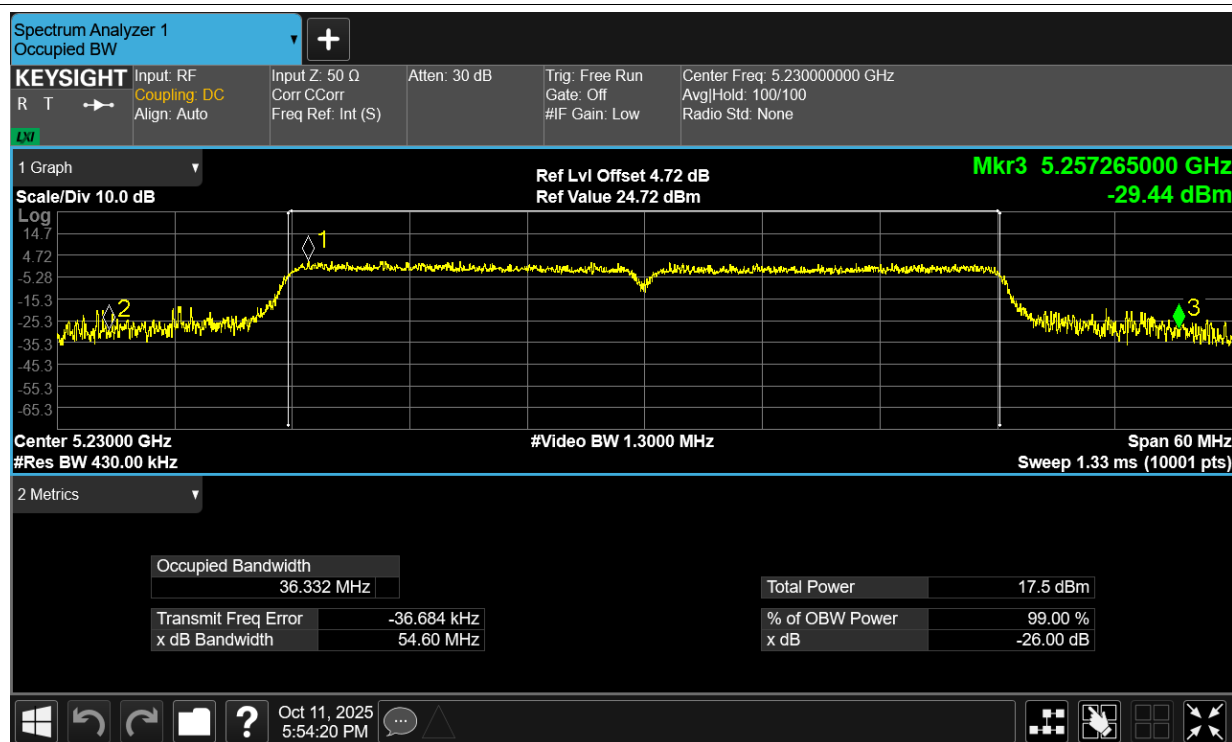
-26dB Bandwidth NVNT ac20 5240MHz Ant1



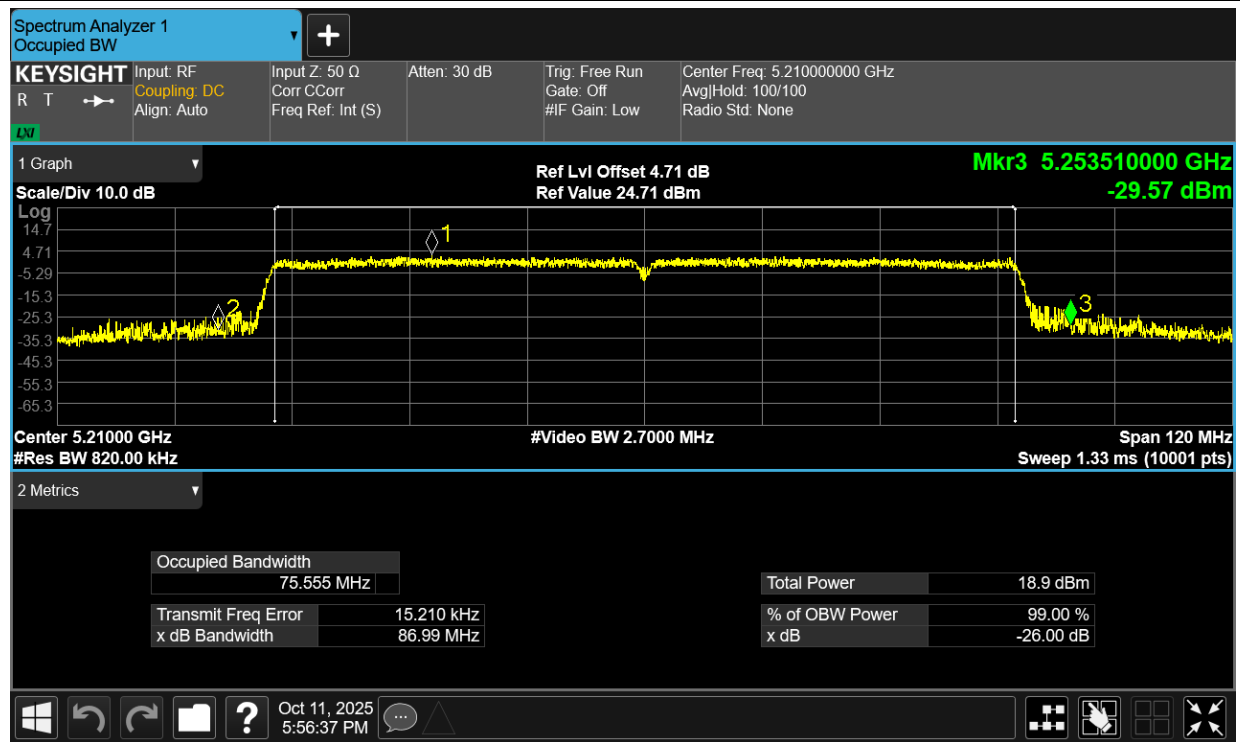
-26dB Bandwidth NVNT ac40 5190MHz Ant1



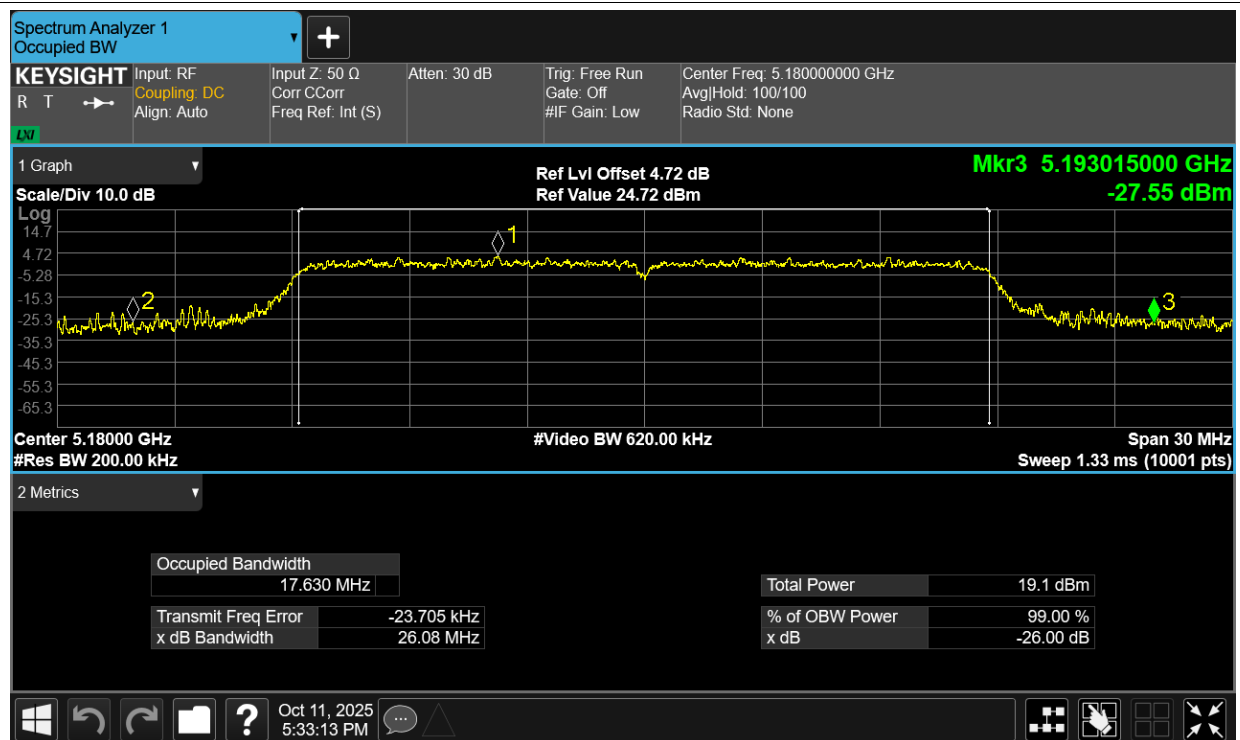
-26dB Bandwidth NVNT ac40 5230MHz Ant1



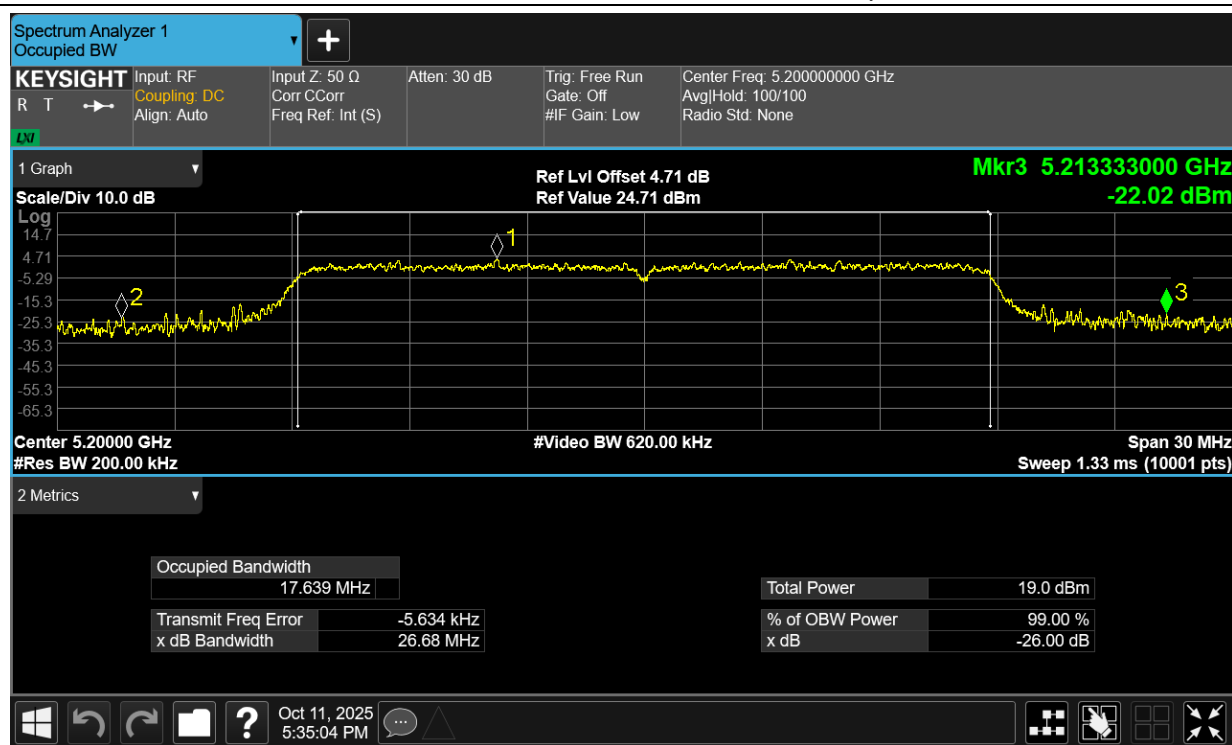
-26dB Bandwidth NVNT ac80 5210MHz Ant1



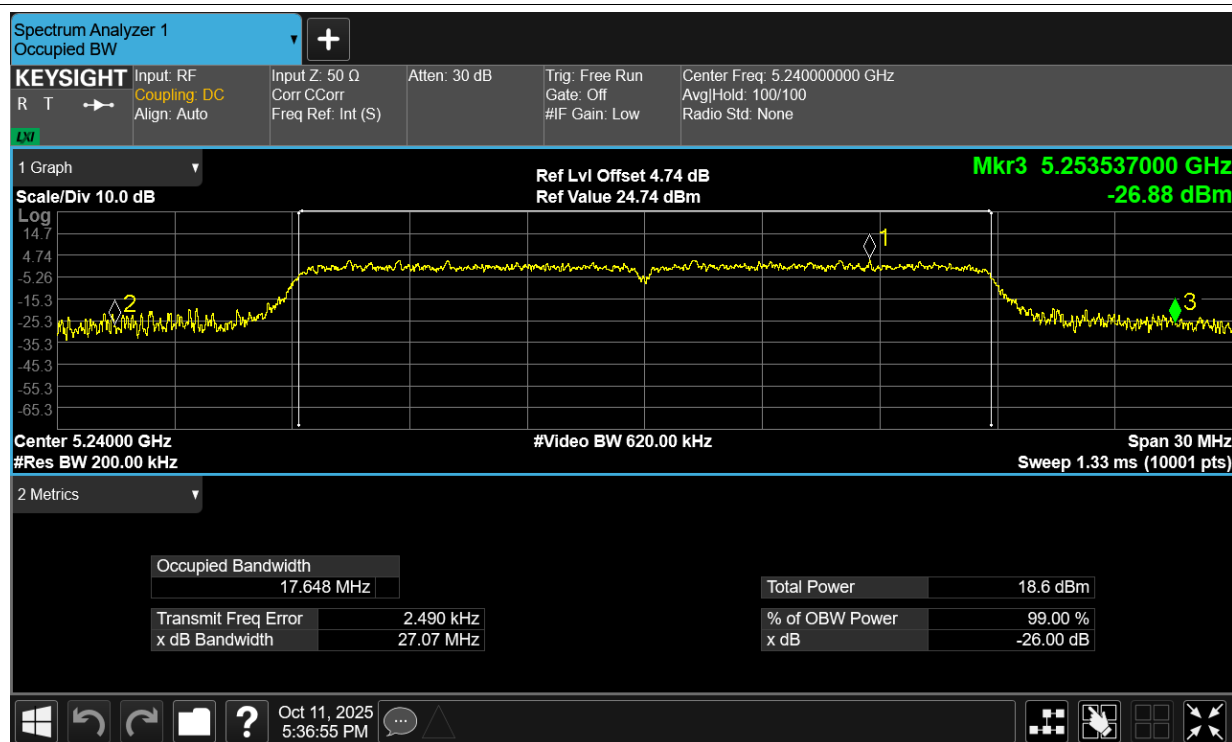
-26dB Bandwidth NVNT n20 5180MHz Ant1



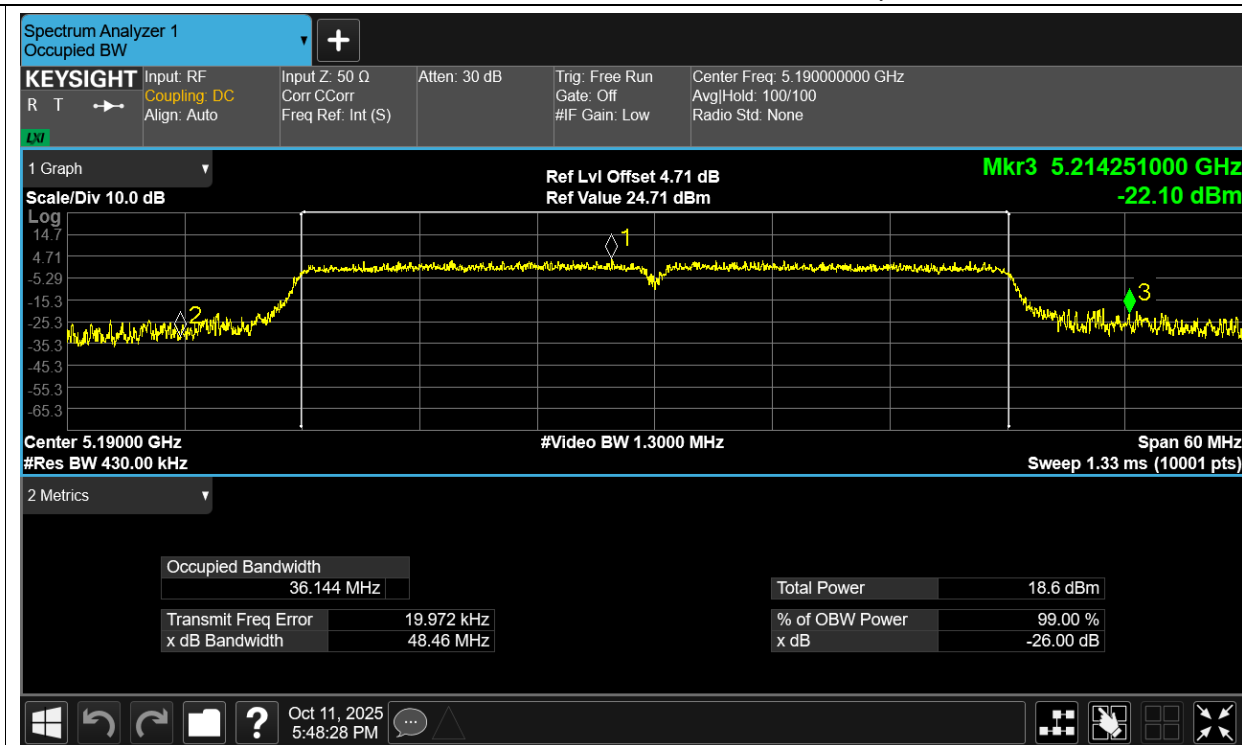
-26dB Bandwidth NVNT n20 5200MHz Ant1



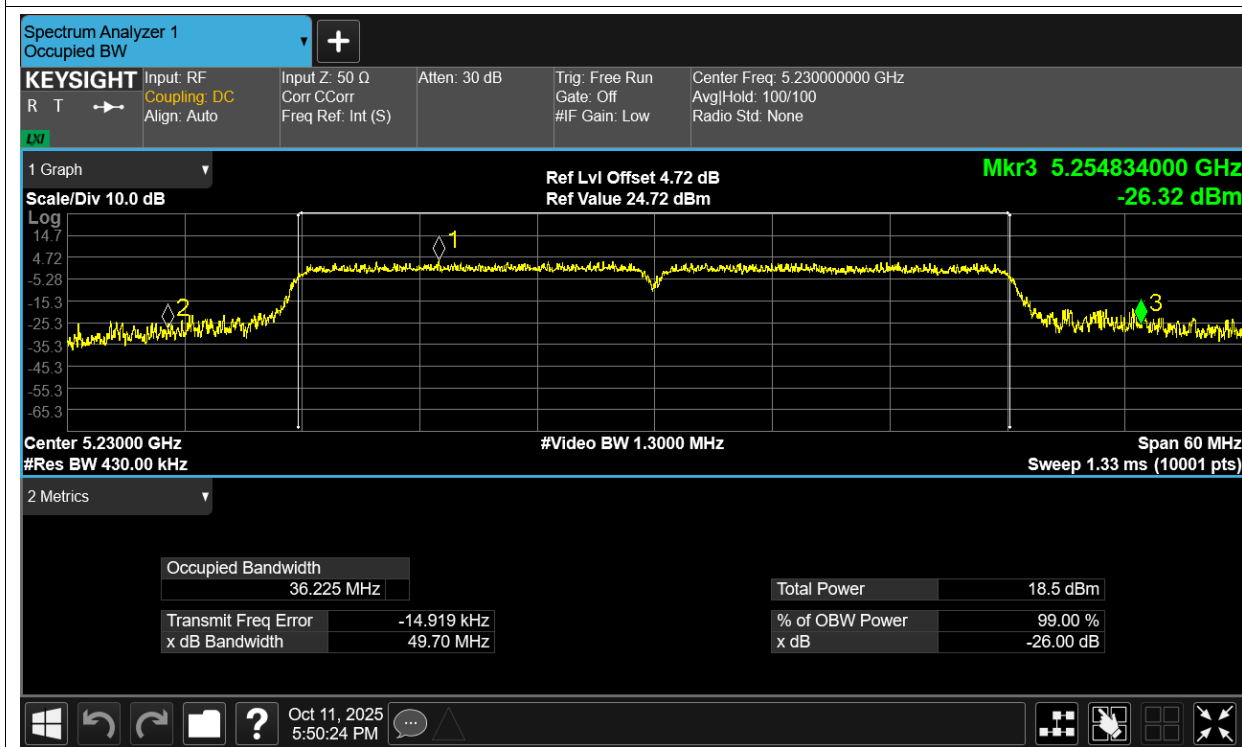
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1





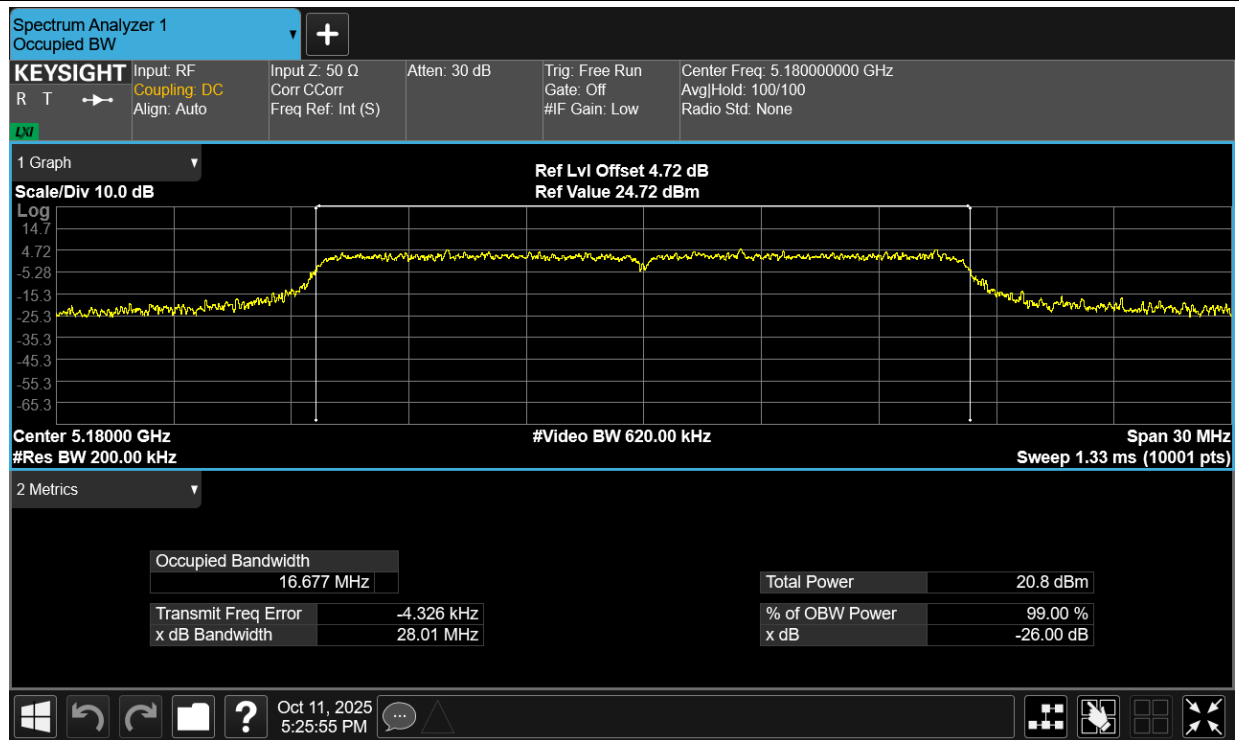
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.677
NVNT	a	5200	Ant1	16.711
NVNT	a	5240	Ant1	16.739
NVNT	ac20	5180	Ant1	17.637
NVNT	ac20	5200	Ant1	17.644
NVNT	ac20	5240	Ant1	17.649
NVNT	ac40	5190	Ant1	36.344
NVNT	ac40	5230	Ant1	36.369
NVNT	ac80	5210	Ant1	75.526
NVNT	n20	5180	Ant1	17.665
NVNT	n20	5200	Ant1	17.649
NVNT	n20	5240	Ant1	17.662
NVNT	n40	5190	Ant1	36.1
NVNT	n40	5230	Ant1	36.16

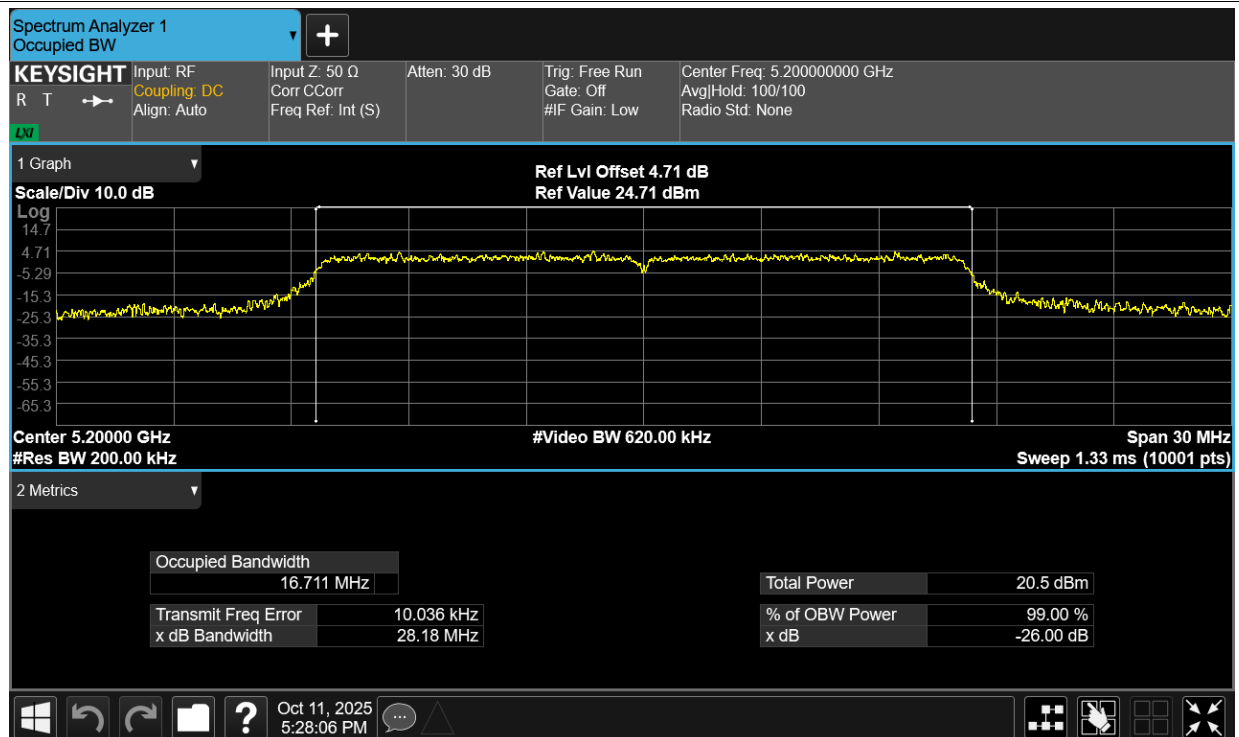


Test Graphs

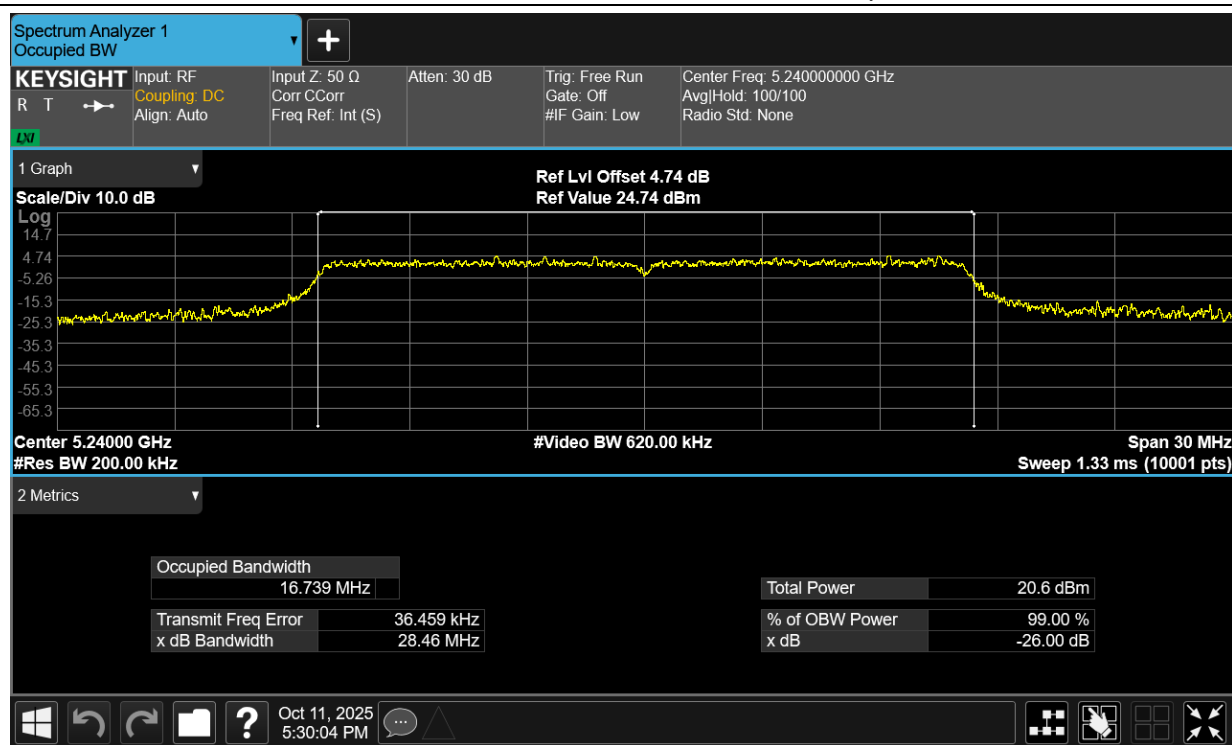
OBW NVNT a 5180MHz Ant1



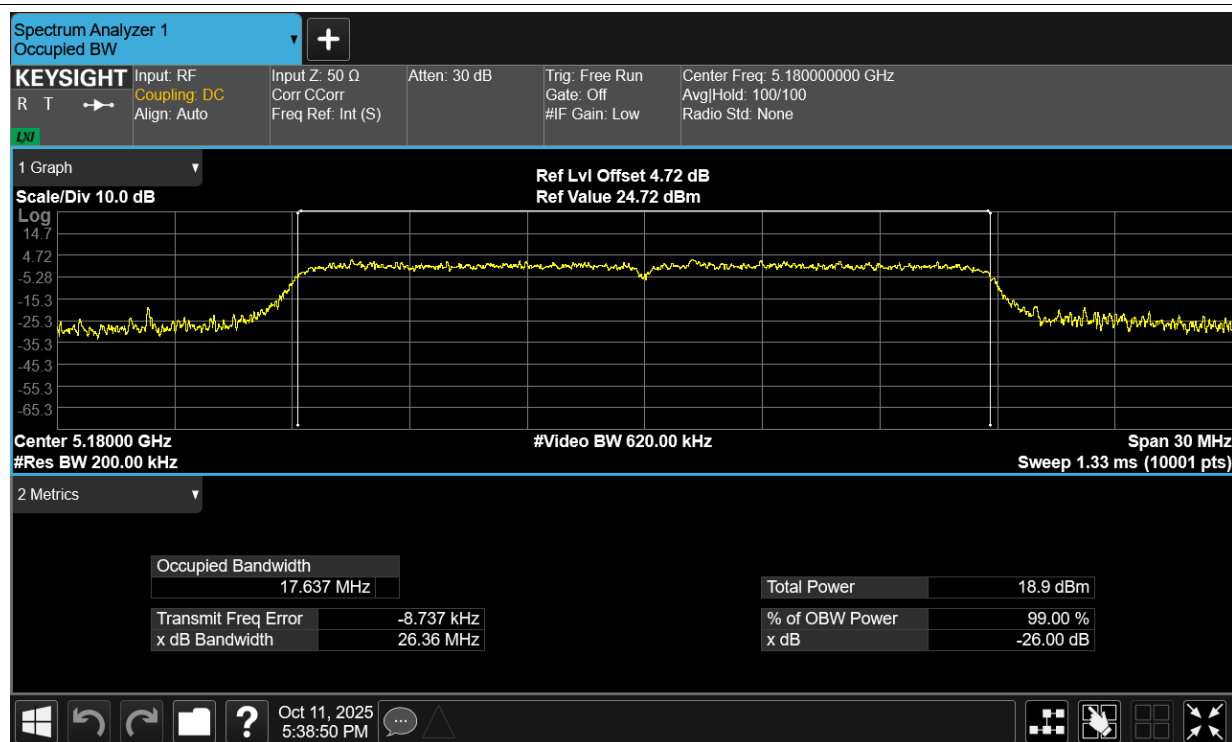
OBW NVNT a 5200MHz Ant1



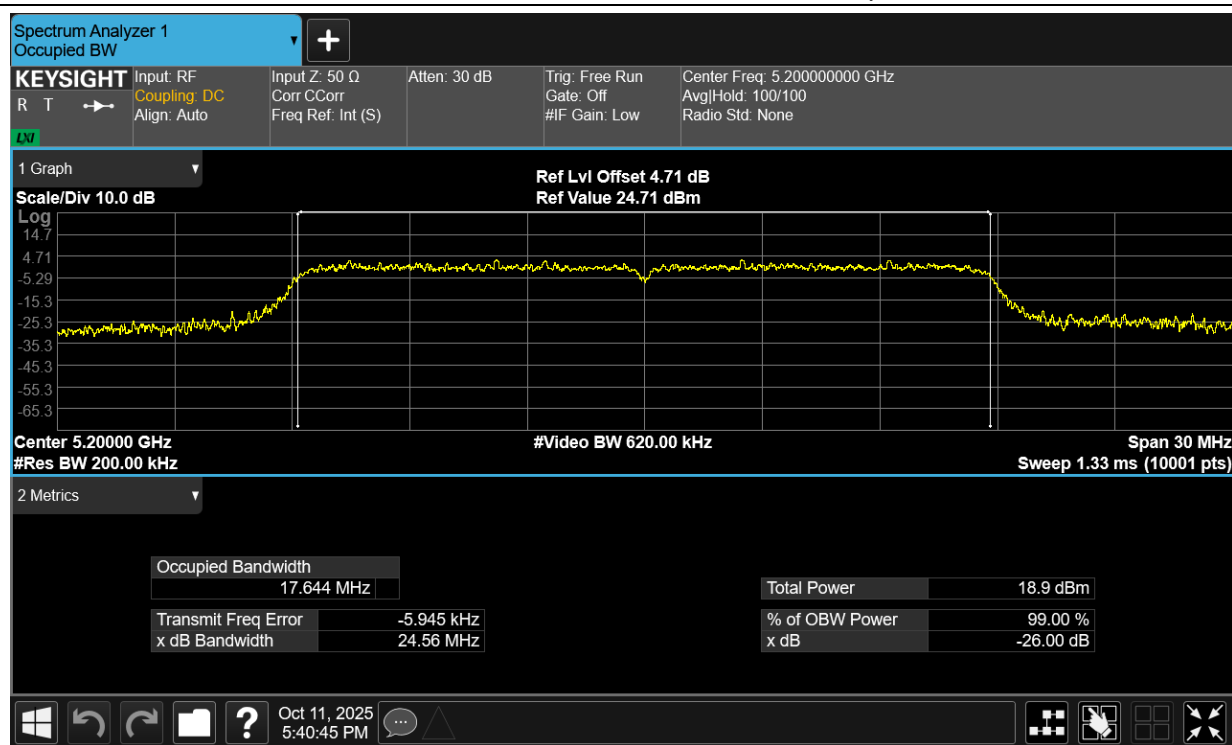
OBW NVNT a 5240MHz Ant1



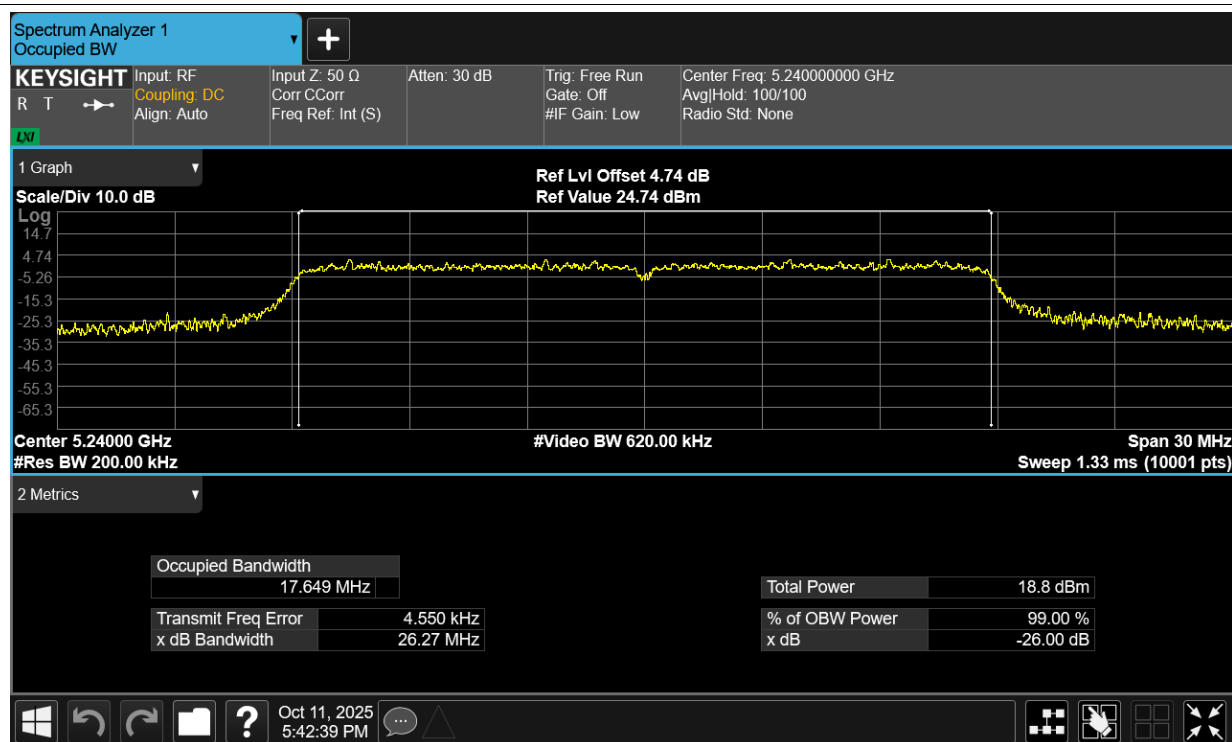
OBW NVNT ac20 5180MHz Ant1



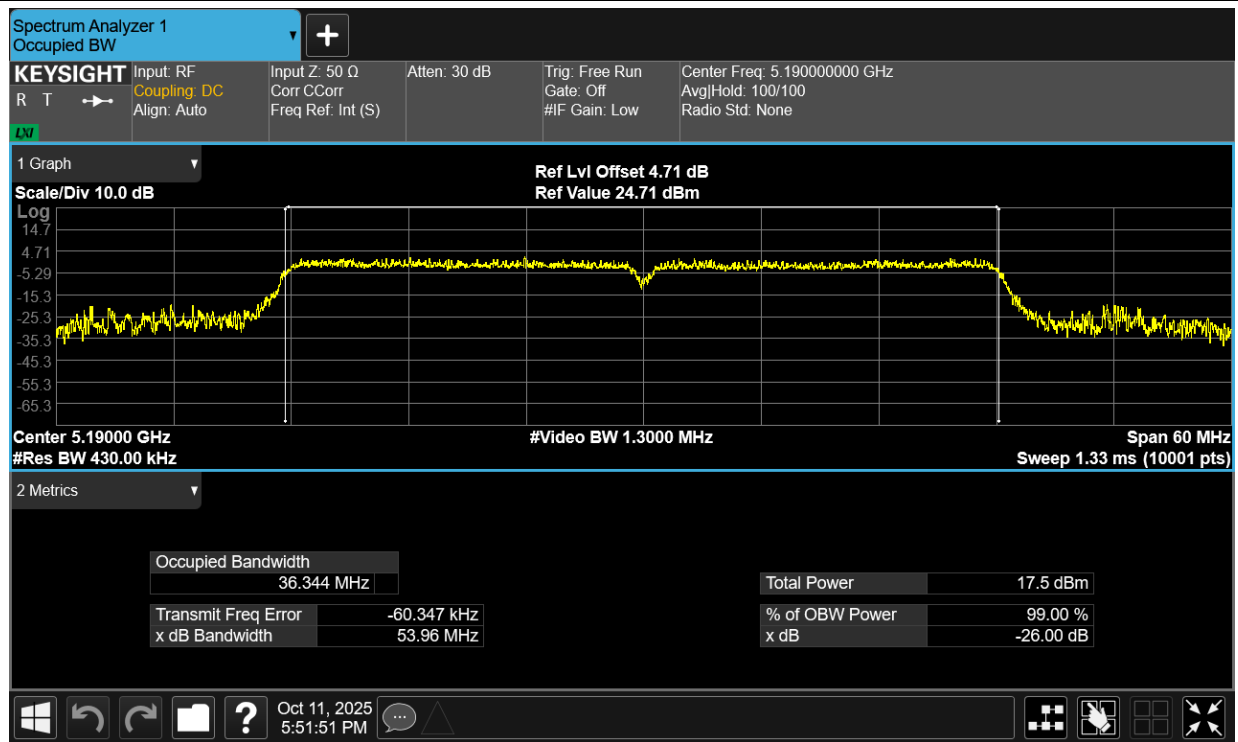
OBW NVNT ac20 5200MHz Ant1



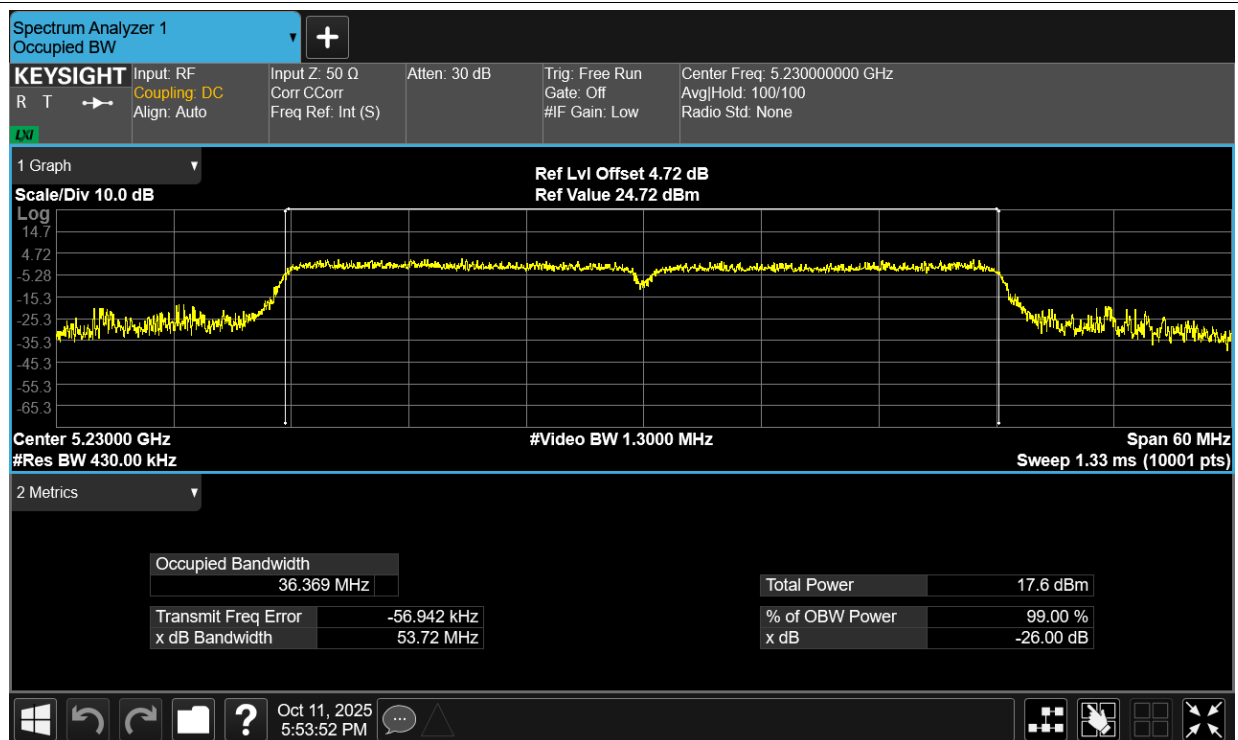
OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



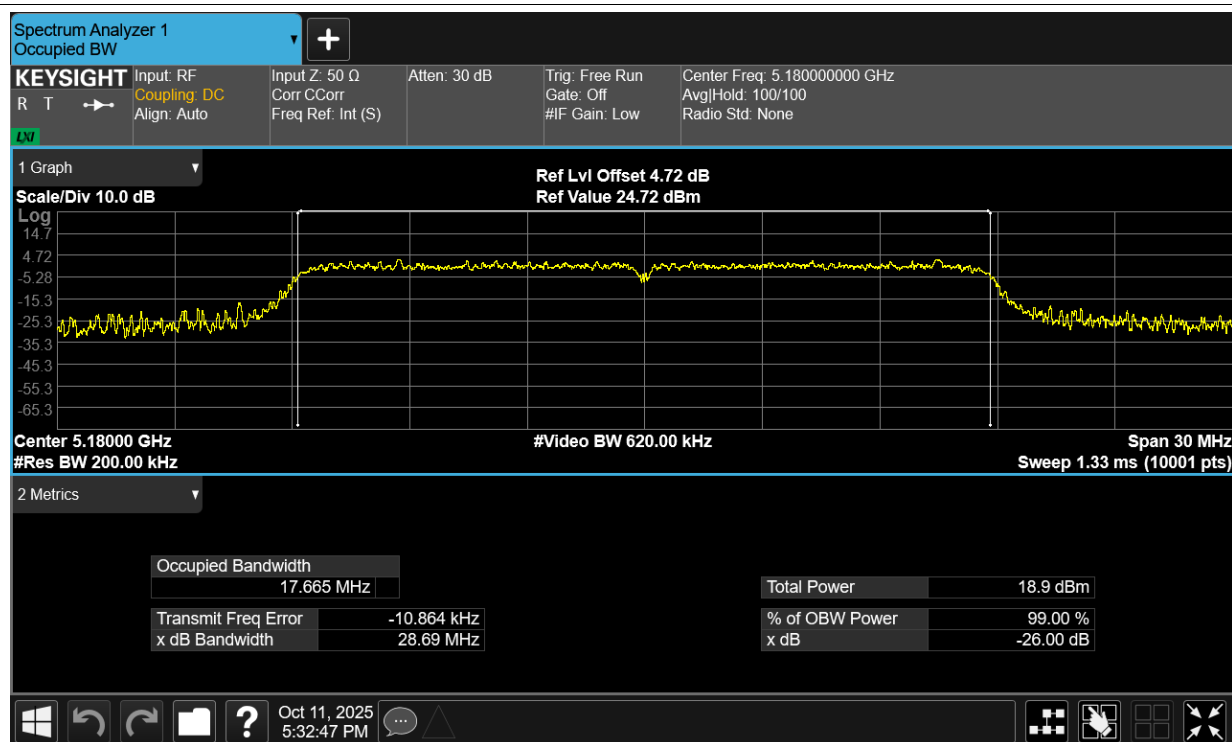
OBW NVNT ac40 5230MHz Ant1



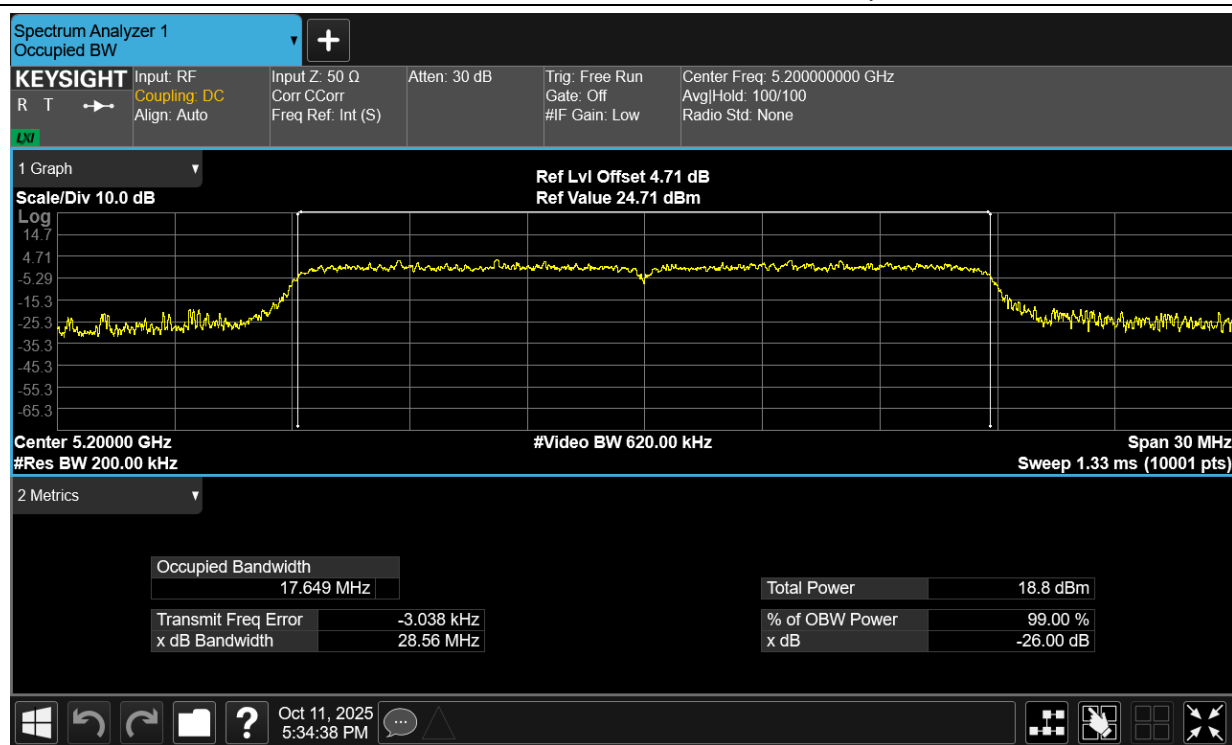
OBW NVNT ac80 5210MHz Ant1



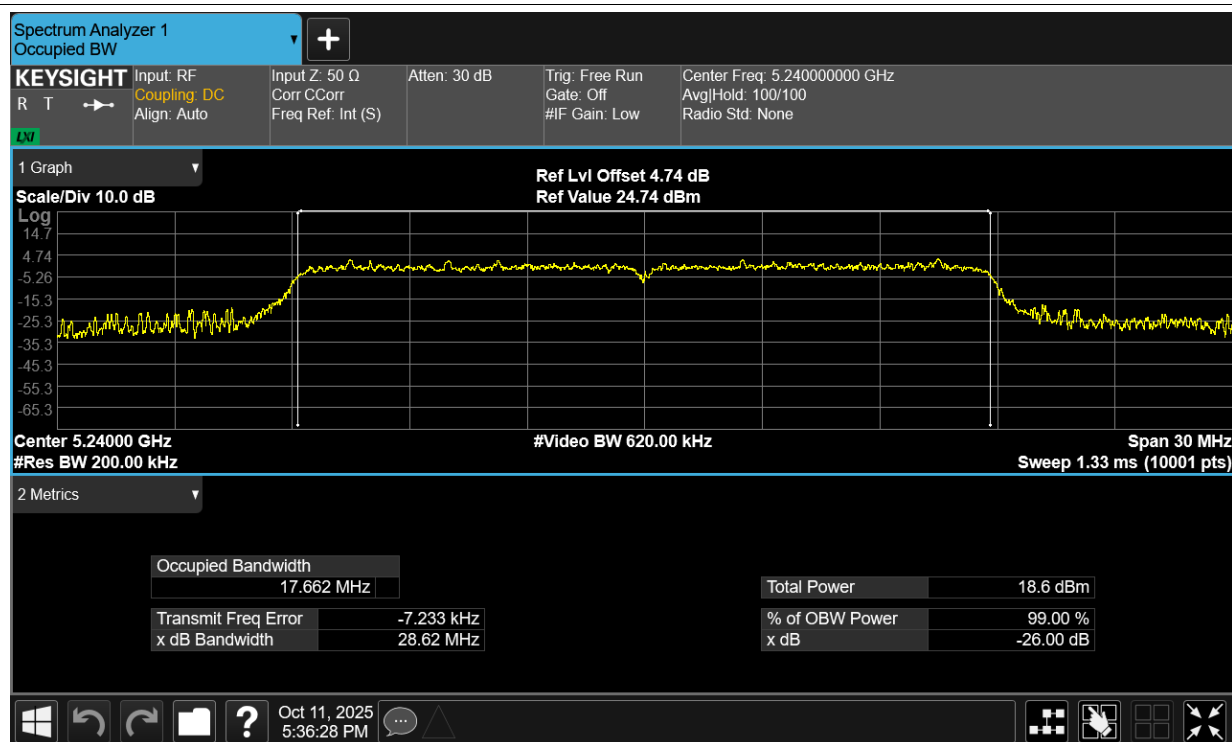
OBW NVNT n20 5180MHz Ant1



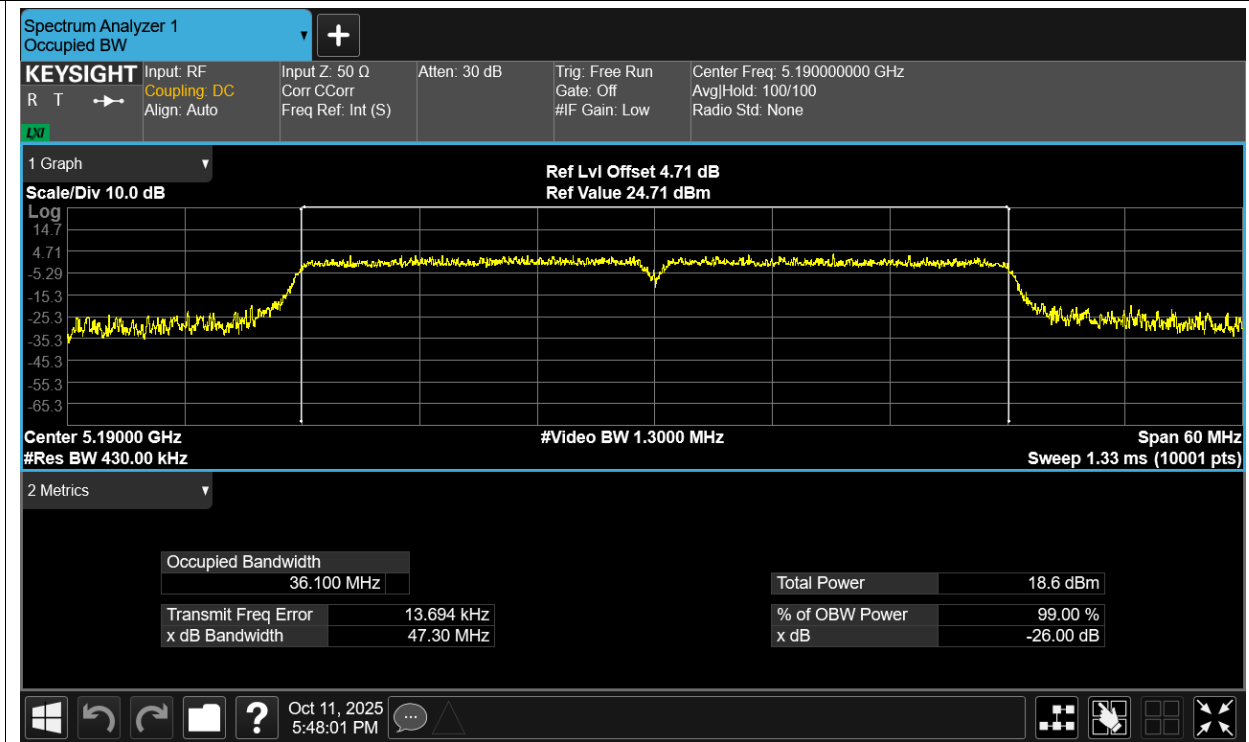
OBW NVNT n20 5200MHz Ant1



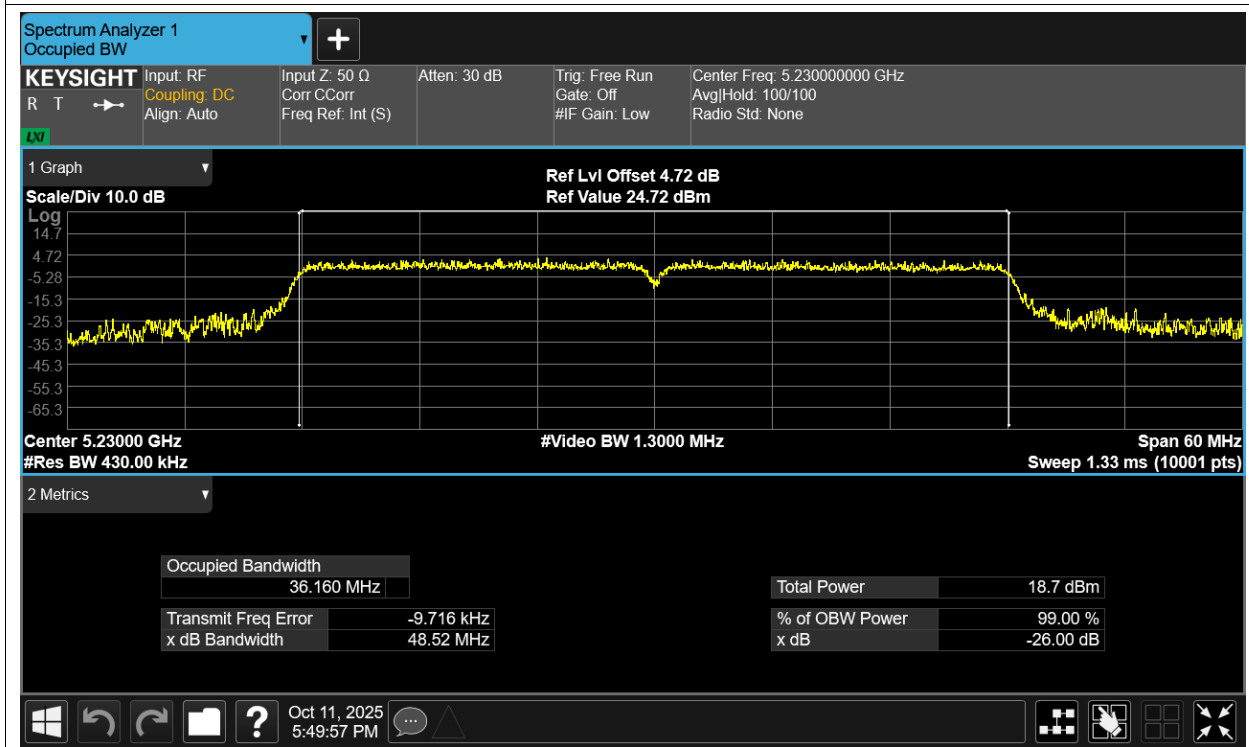
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1





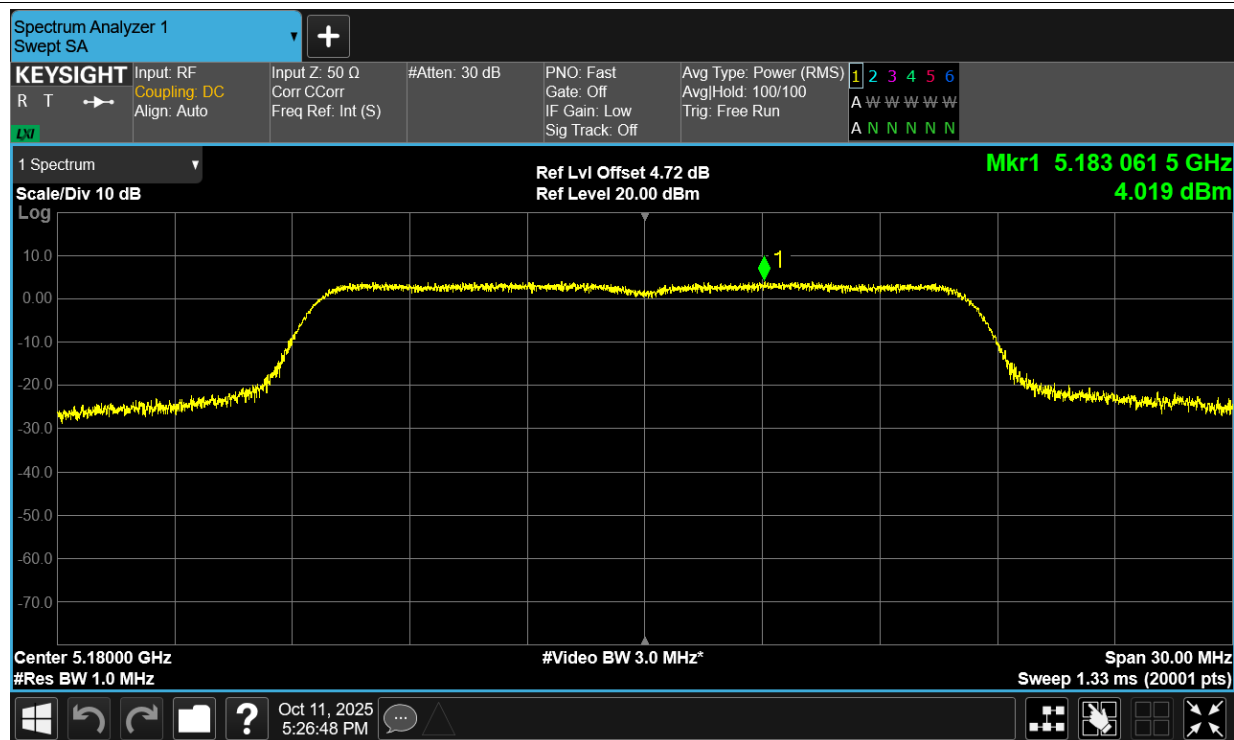
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	4.019	11	Pass
NVNT	a	5200	Ant1	4.288	11	Pass
NVNT	a	5240	Ant1	3.973	11	Pass
NVNT	ac20	5180	Ant1	2.23	11	Pass
NVNT	ac20	5200	Ant1	2.355	11	Pass
NVNT	ac20	5240	Ant1	2.018	11	Pass
NVNT	ac40	5190	Ant1	-2.508	11	Pass
NVNT	ac40	5230	Ant1	-2.086	11	Pass
NVNT	ac80	5210	Ant1	-5.808	11	Pass
NVNT	n20	5180	Ant1	2.159	11	Pass
NVNT	n20	5200	Ant1	1.99	11	Pass
NVNT	n20	5240	Ant1	2.031	11	Pass
NVNT	n40	5190	Ant1	-1.643	11	Pass
NVNT	n40	5230	Ant1	-1.824	11	Pass

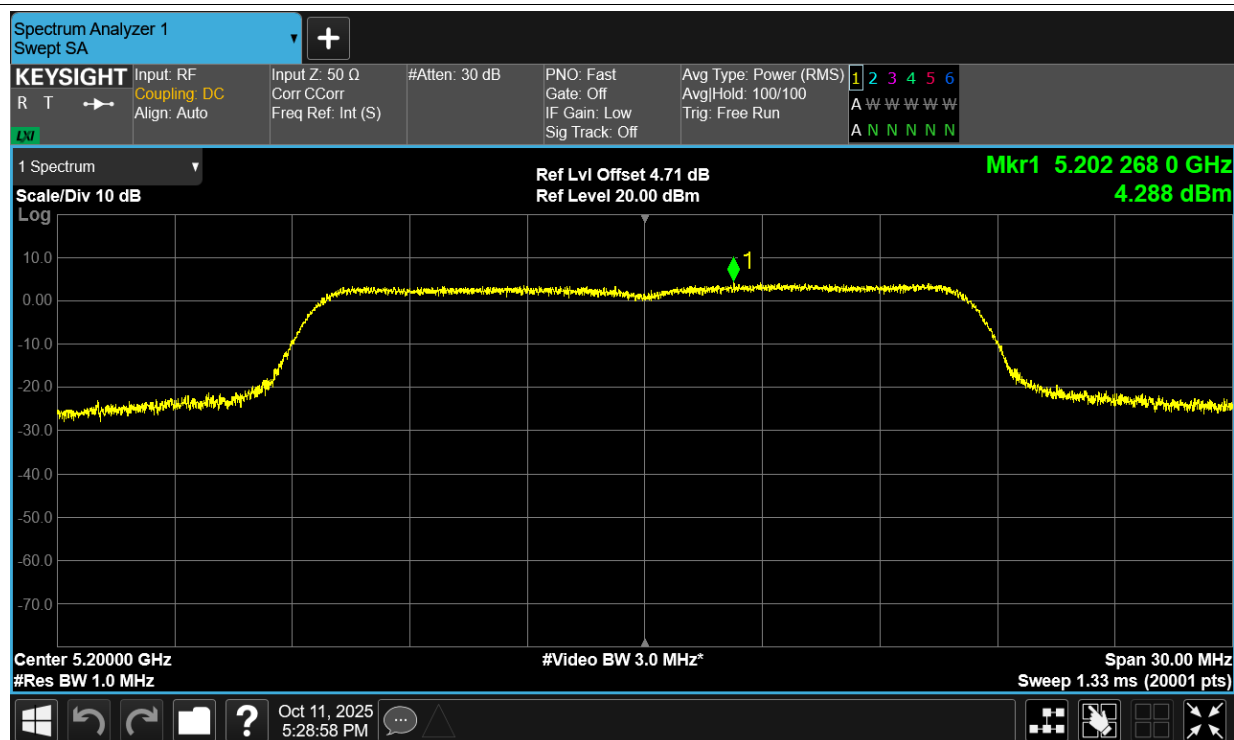


Test Graphs

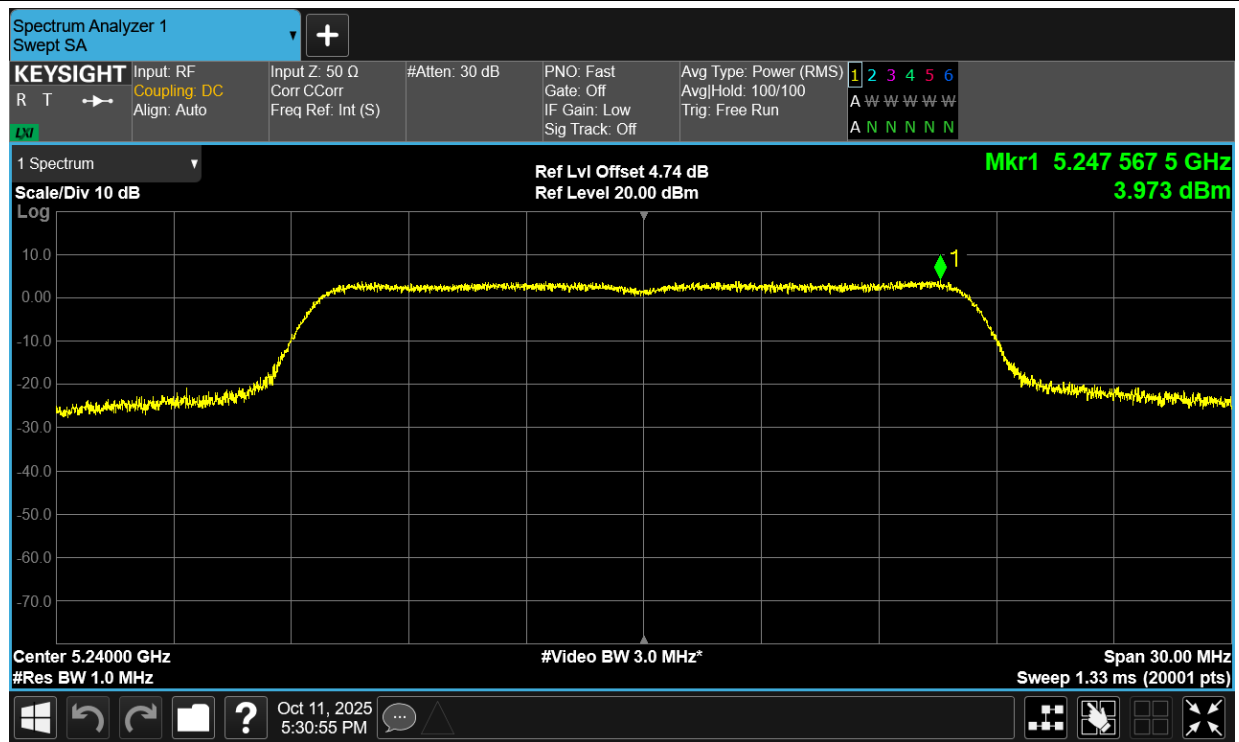
PSD NVNT a 5180MHz Ant1



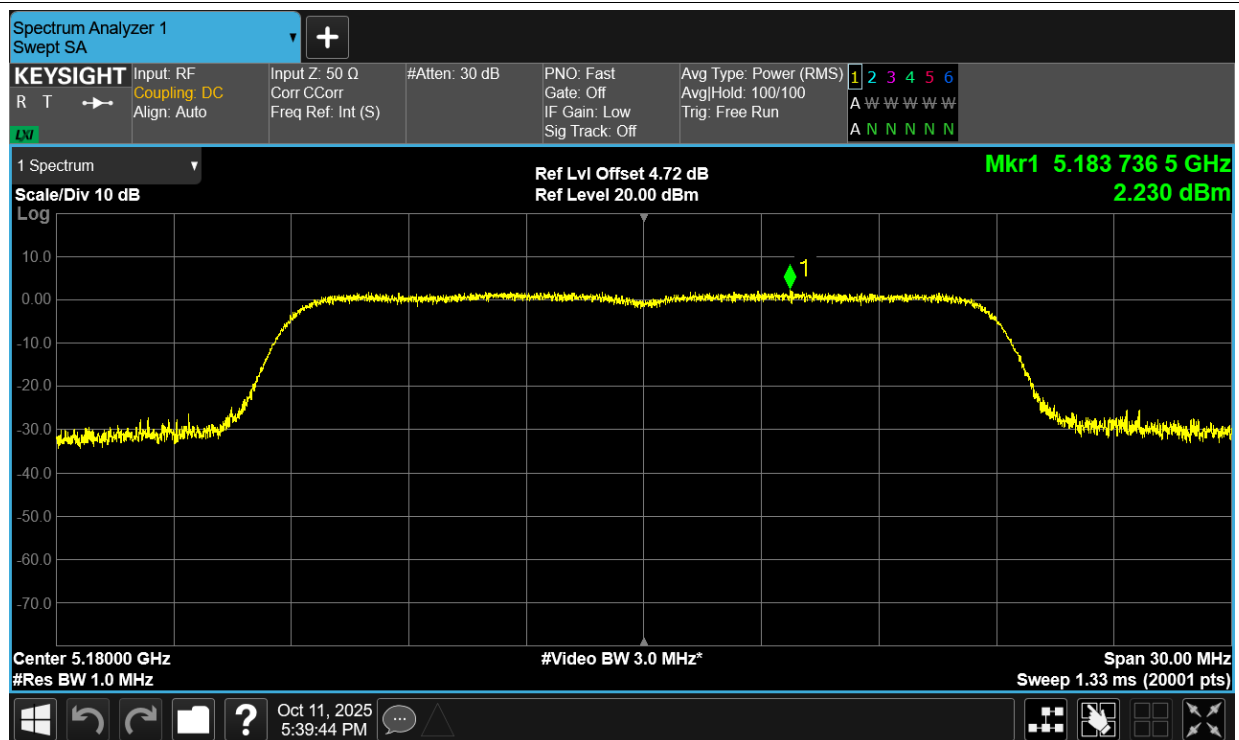
PSD NVNT a 5200MHz Ant1



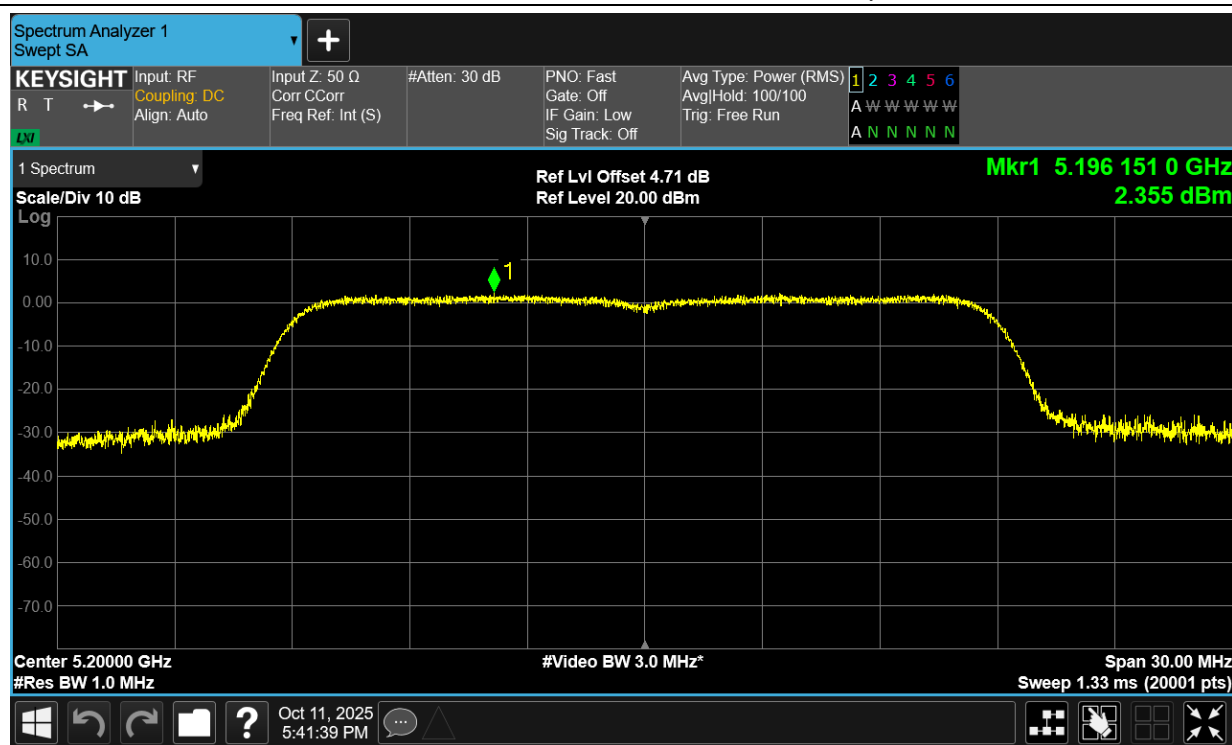
PSD NVNT a 5240MHz Ant1



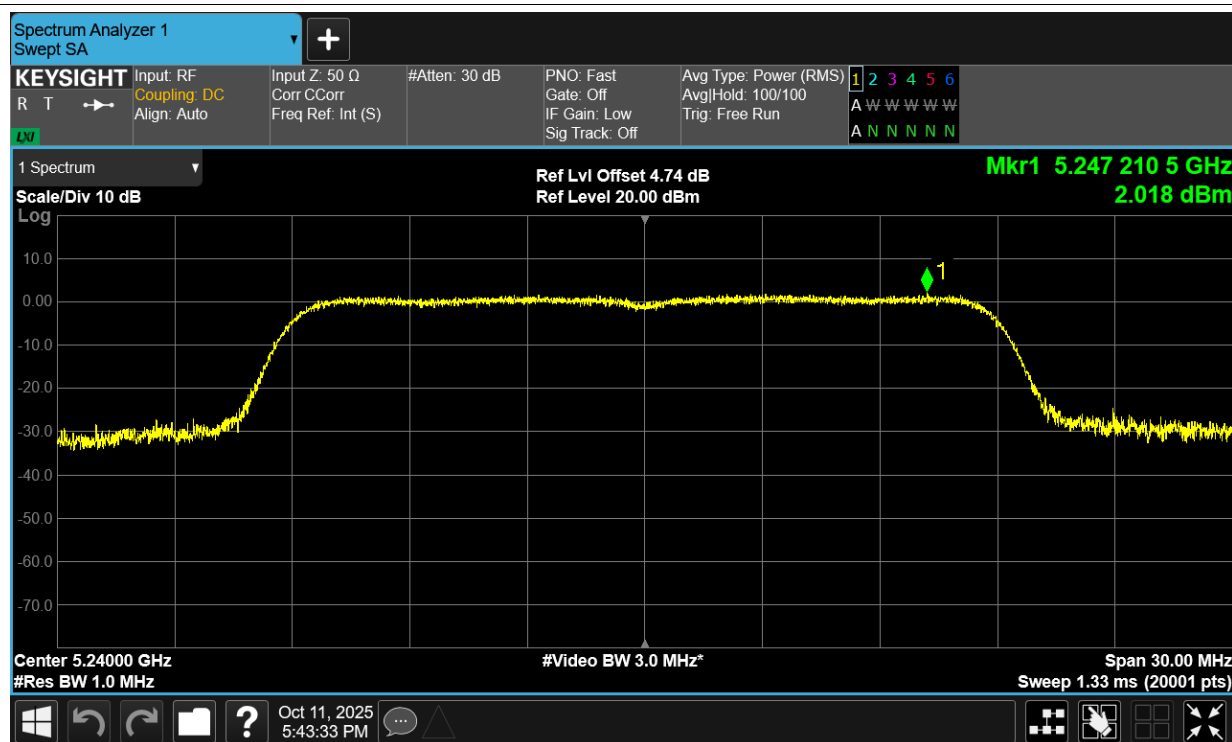
PSD NVNT ac20 5180MHz Ant1



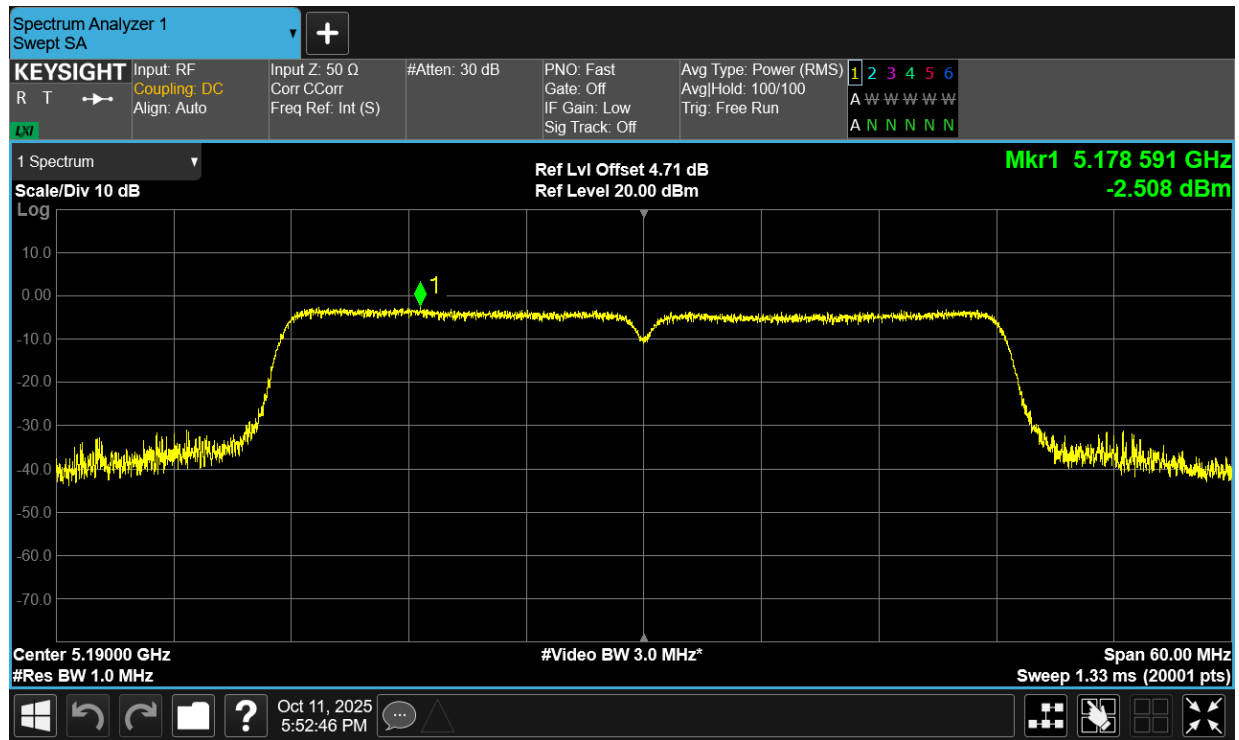
PSD NVNT ac20 5200MHz Ant1



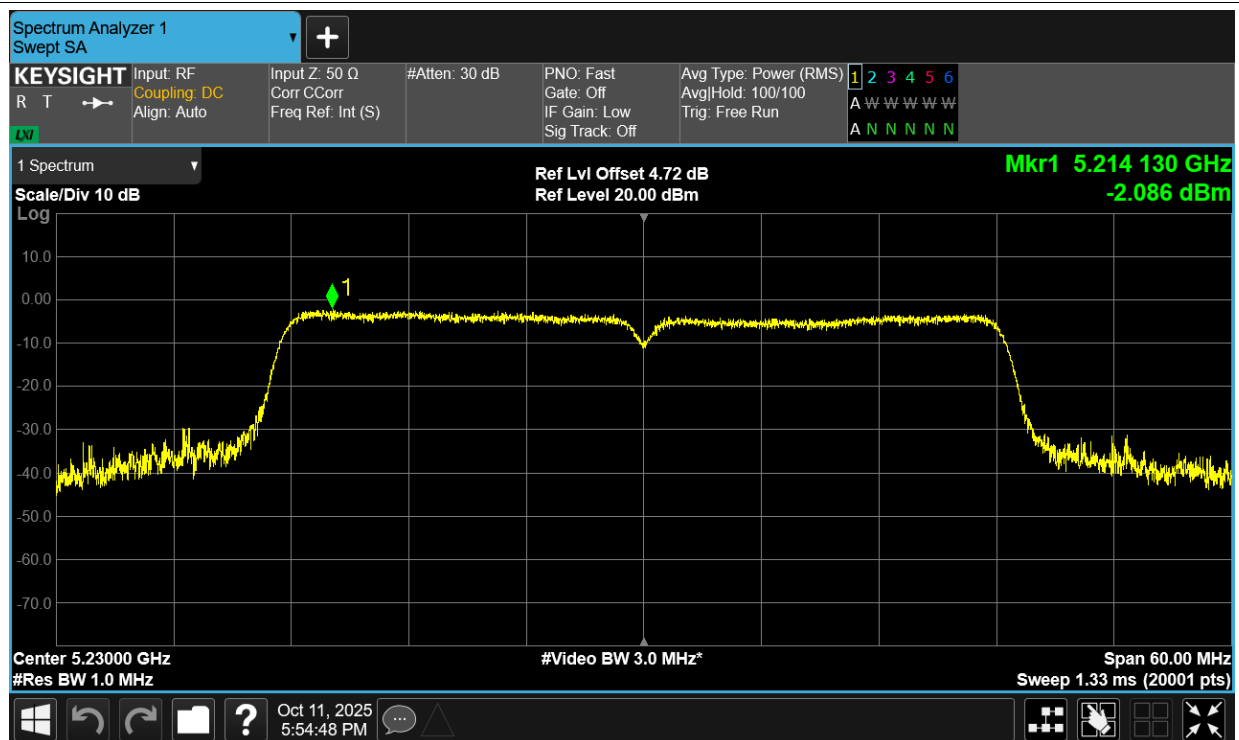
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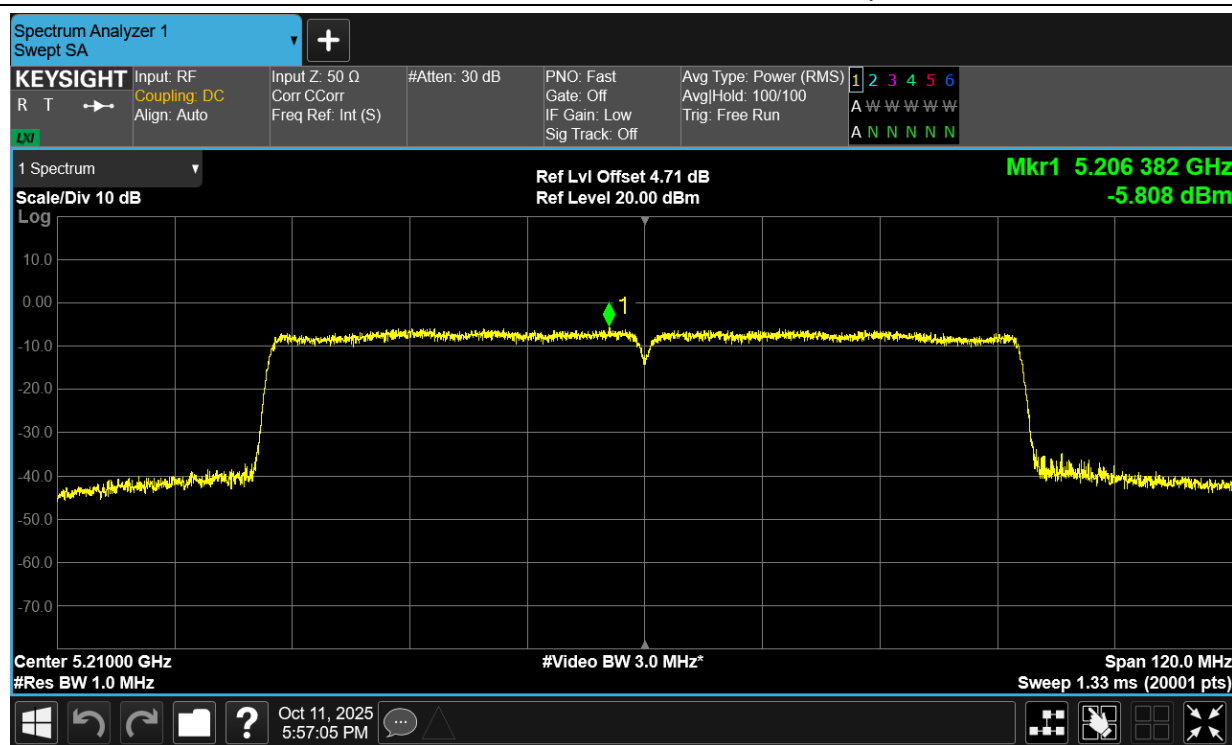
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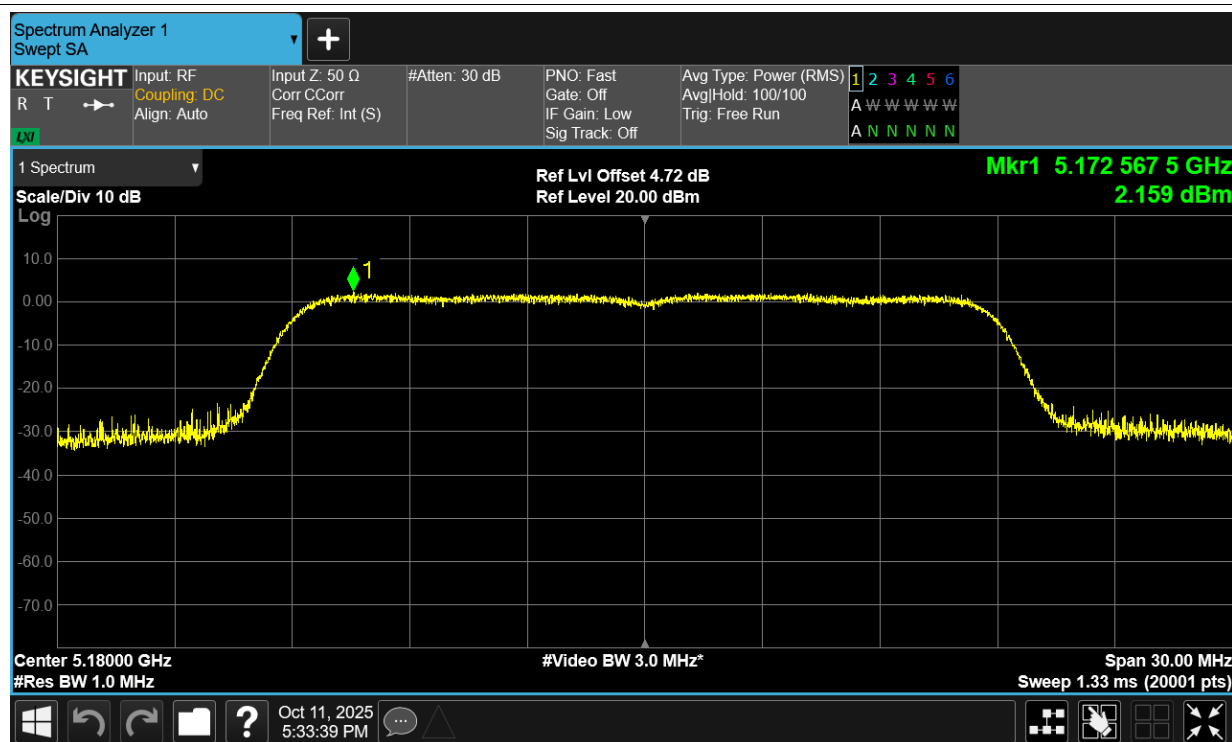
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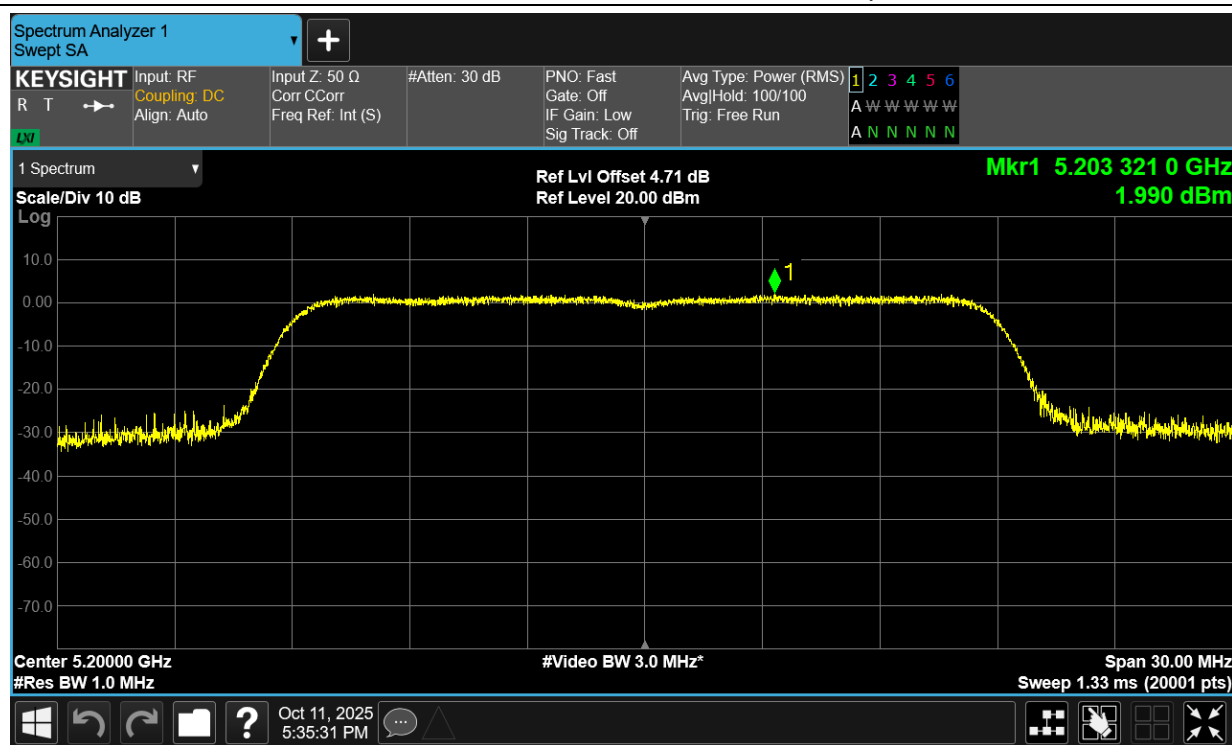
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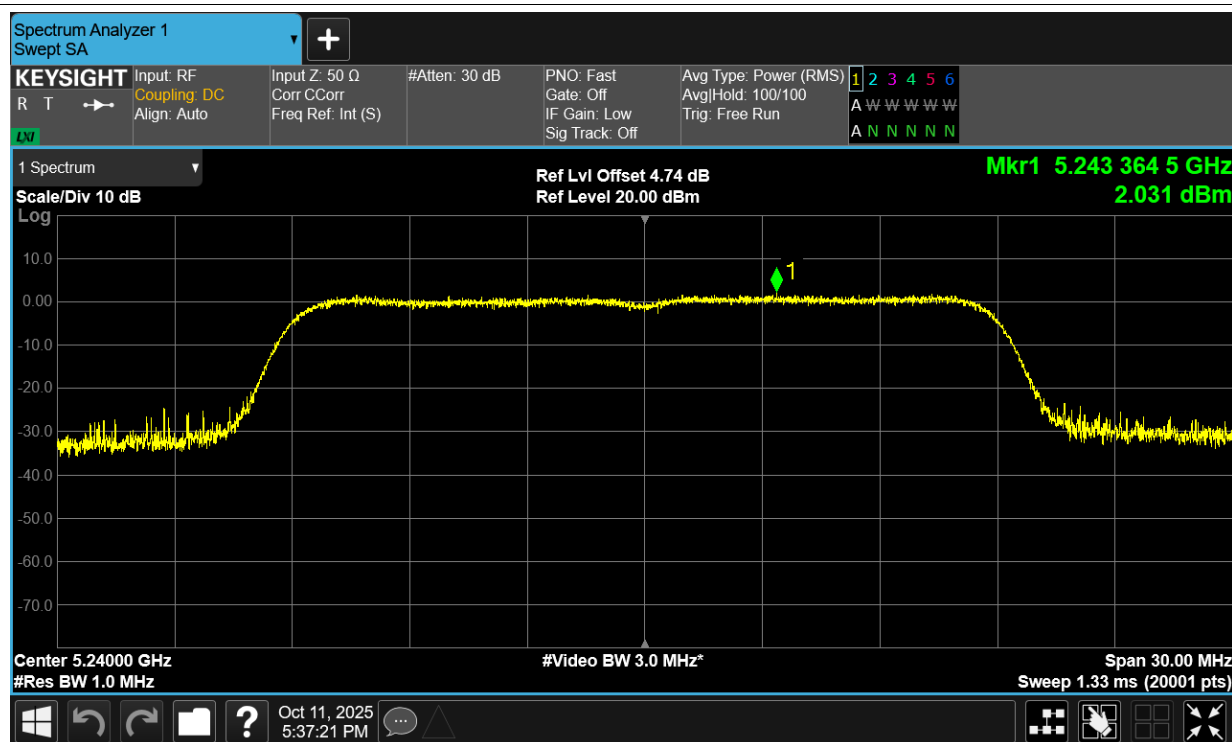
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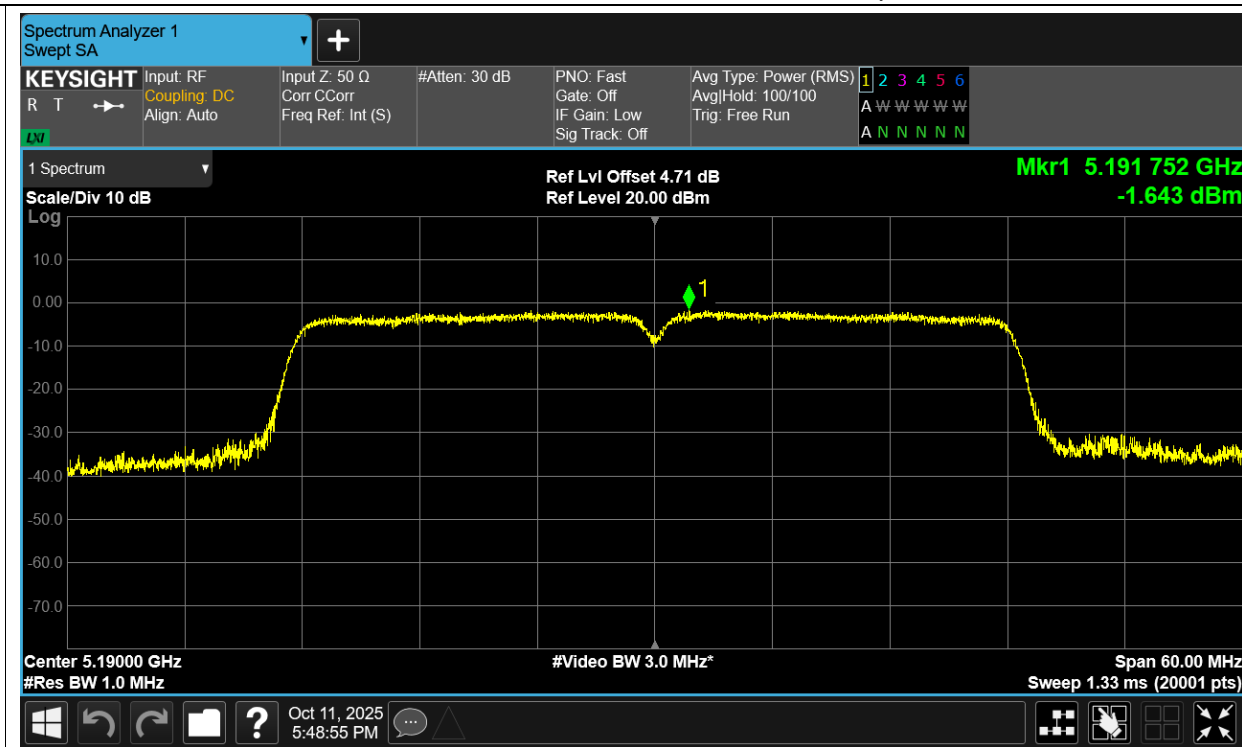
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

