

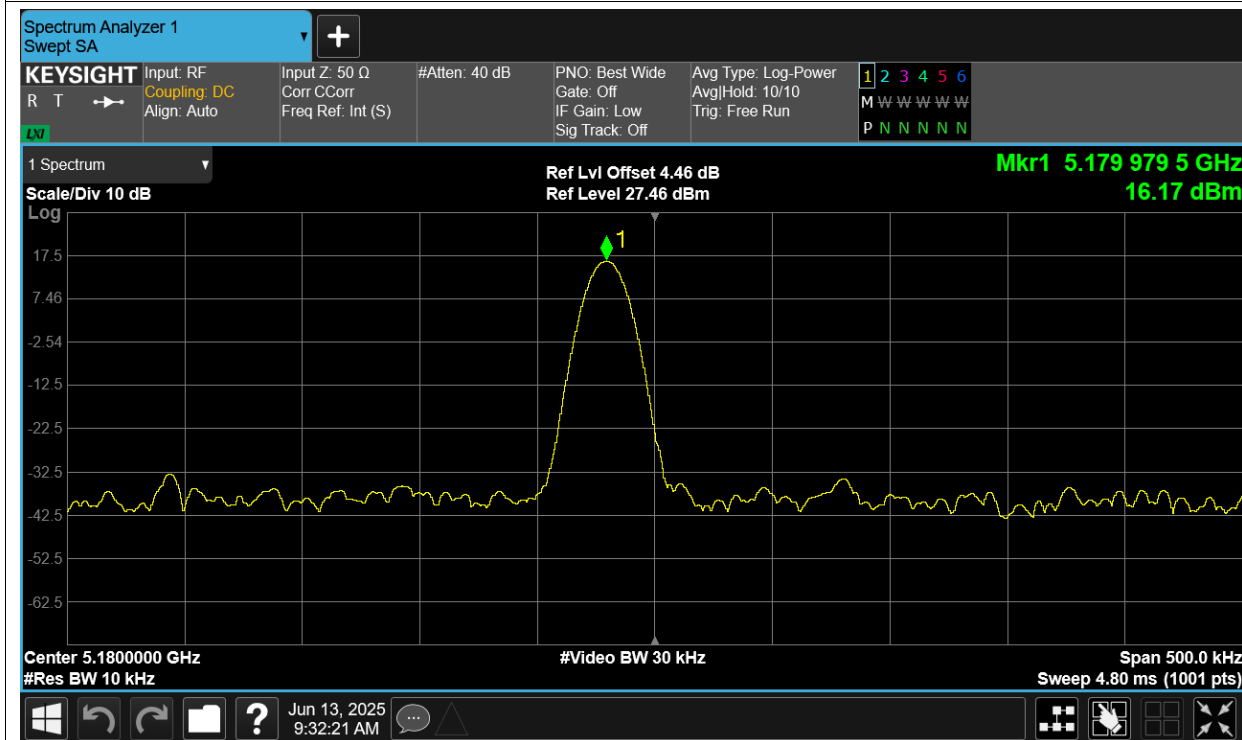
Test Data

Frequency Stability

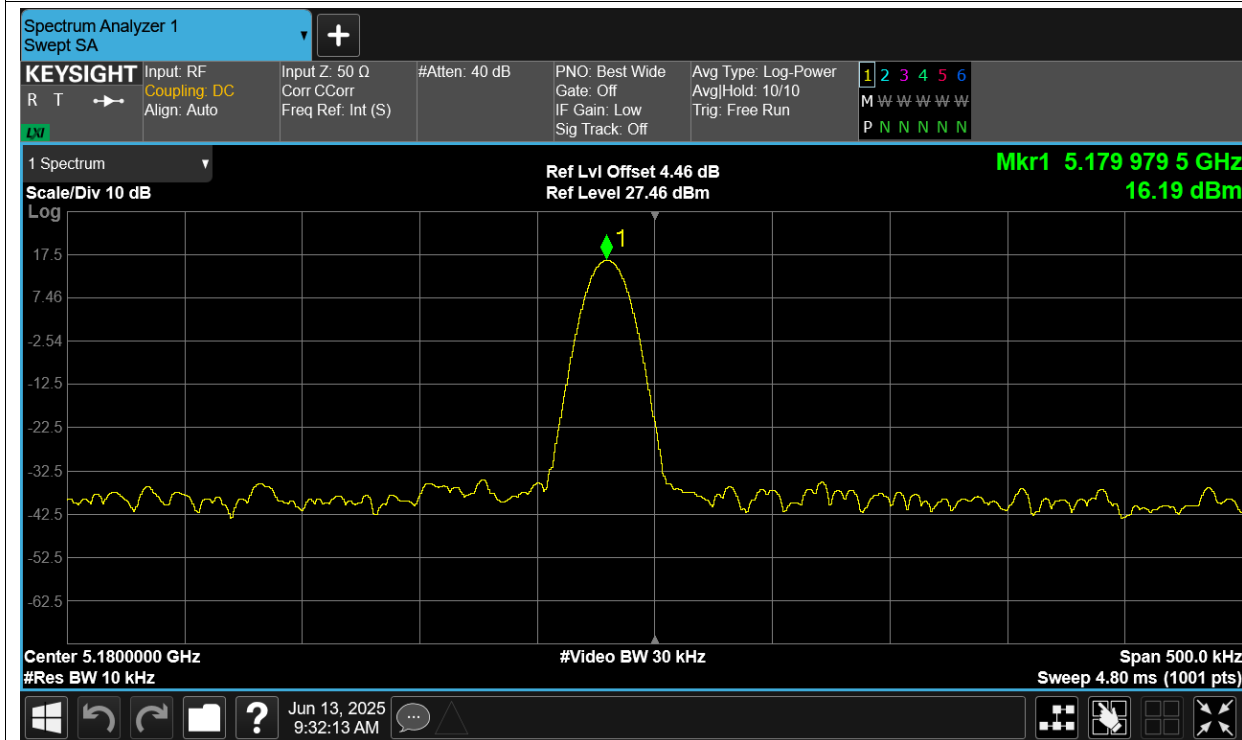
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9795	-3.96	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9795	-3.96		Pass
NVHT	a	5180	Ant1	5179.98	-3.86		Pass
NVLT	a	5180	Ant1	5179.9805	-3.76		Pass
NVNT	a	5180	Ant1	5179.981	-3.67		Pass
HVNT	ac80	5210	Ant1	5209.978	-4.22		Pass
LVNT	ac80	5210	Ant1	5209.978	-4.22		Pass
NVHT	ac80	5210	Ant1	5209.978	-4.22		Pass
NVLT	ac80	5210	Ant1	5209.978	-4.22		Pass
NVNT	ac80	5210	Ant1	5209.97781655	-4.26		Pass
HVNT	n40	5190	Ant1	5189.9785	-4.14		Pass
LVNT	n40	5190	Ant1	5189.9785	-4.14		Pass
NVHT	n40	5190	Ant1	5189.9785	-4.14		Pass
NVLT	n40	5190	Ant1	5189.979	-4.05		Pass
NVNT	n40	5190	Ant1	5189.979	-4.05		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

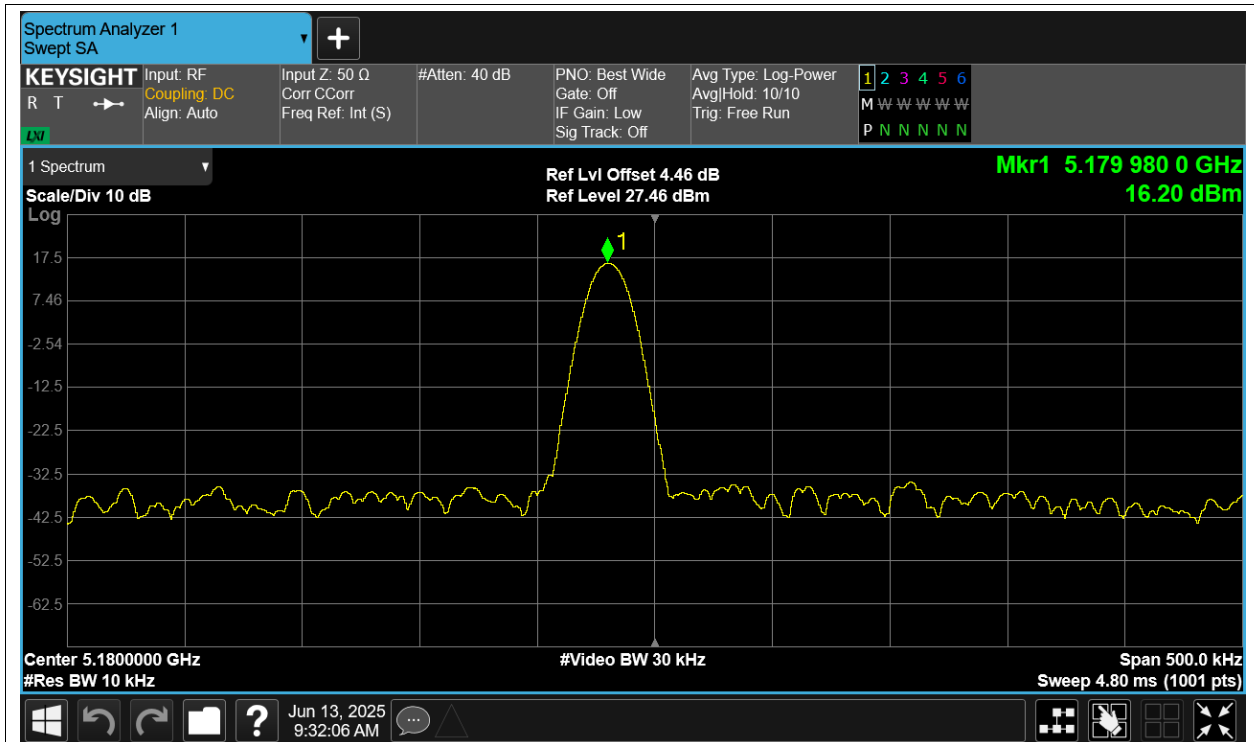
Freq. Stability HVNT a 5180MHz Ant1



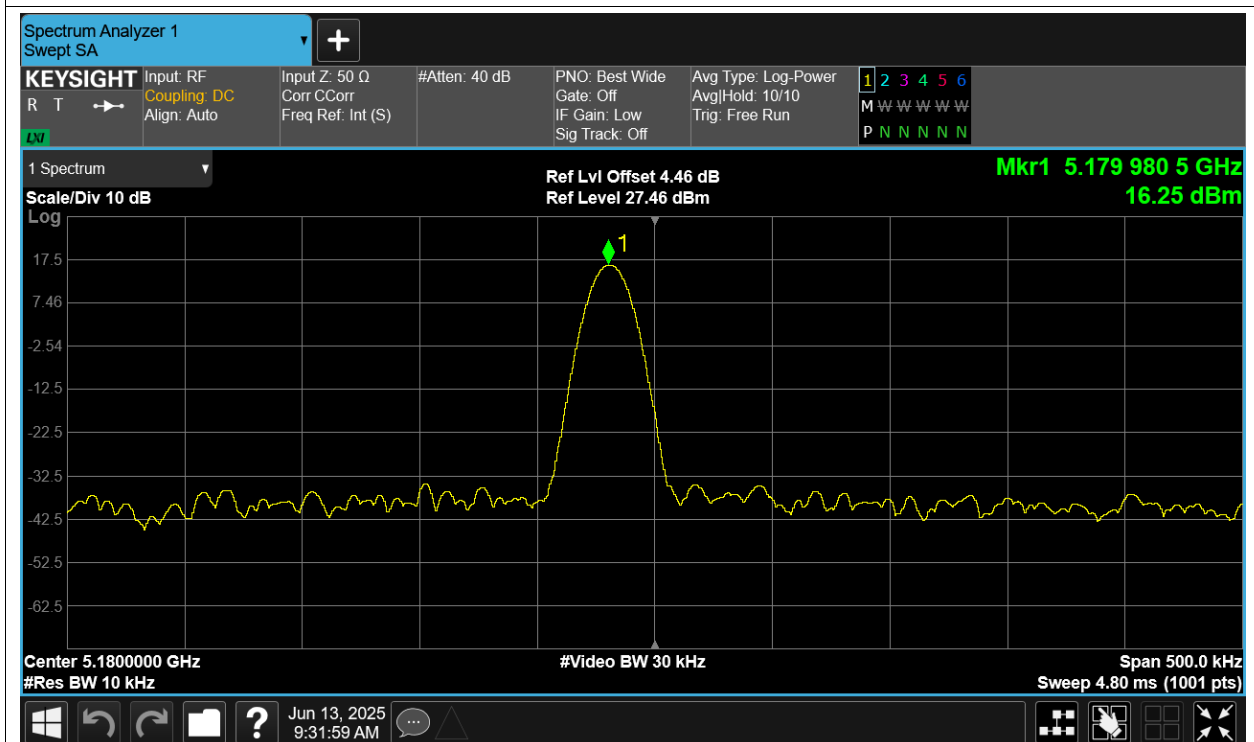
Freq. Stability LVNT a 5180MHz Ant1



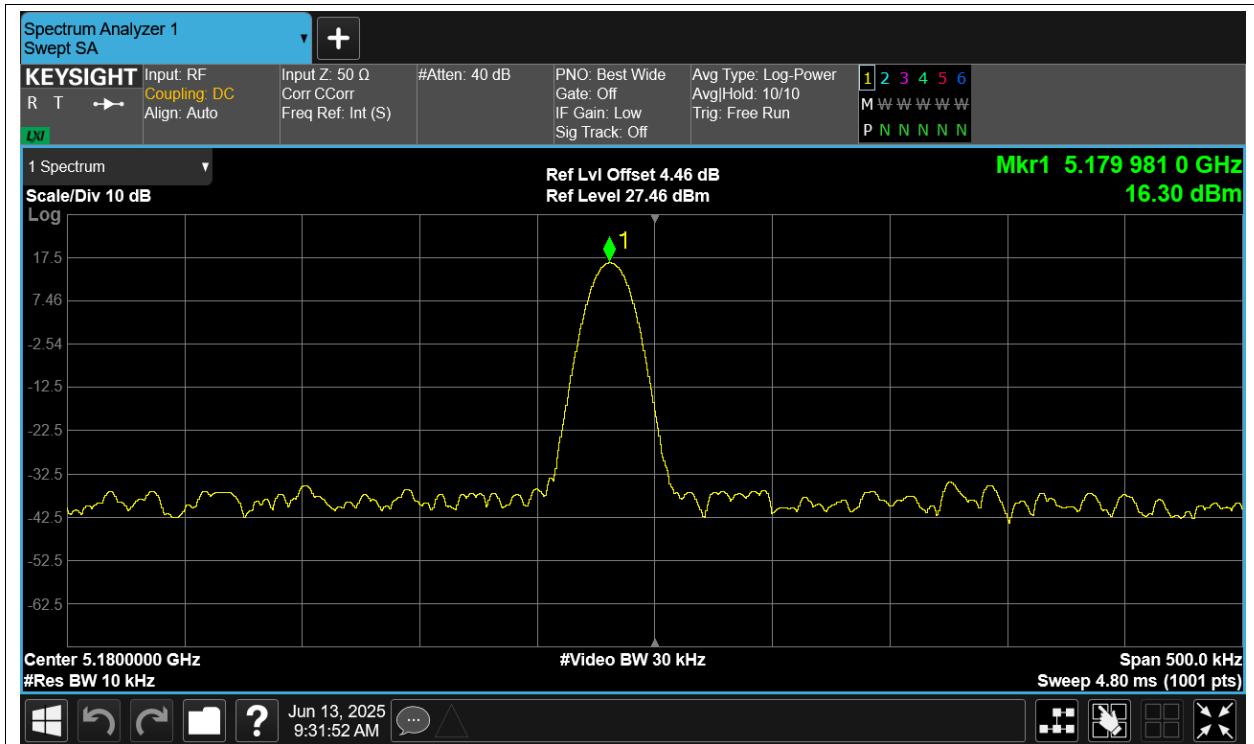
Freq. Stability NVHT a 5180MHz Ant1



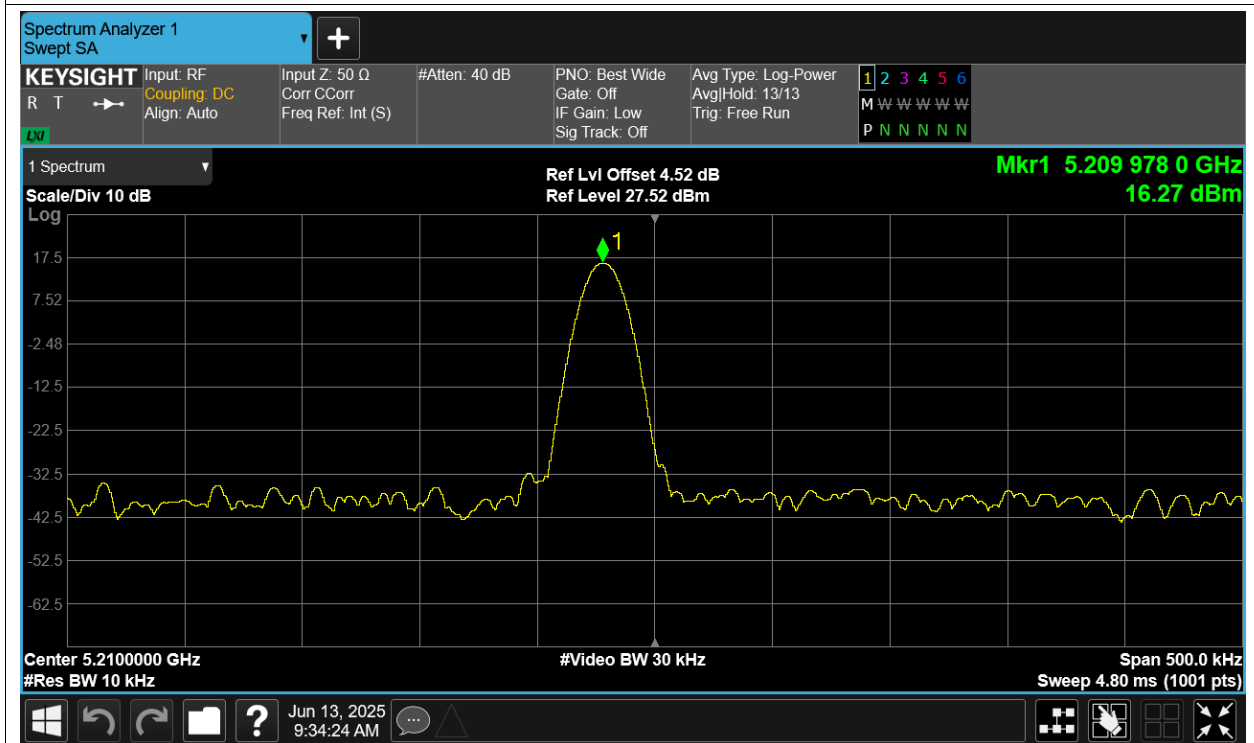
Freq. Stability NVLT a 5180MHz Ant1



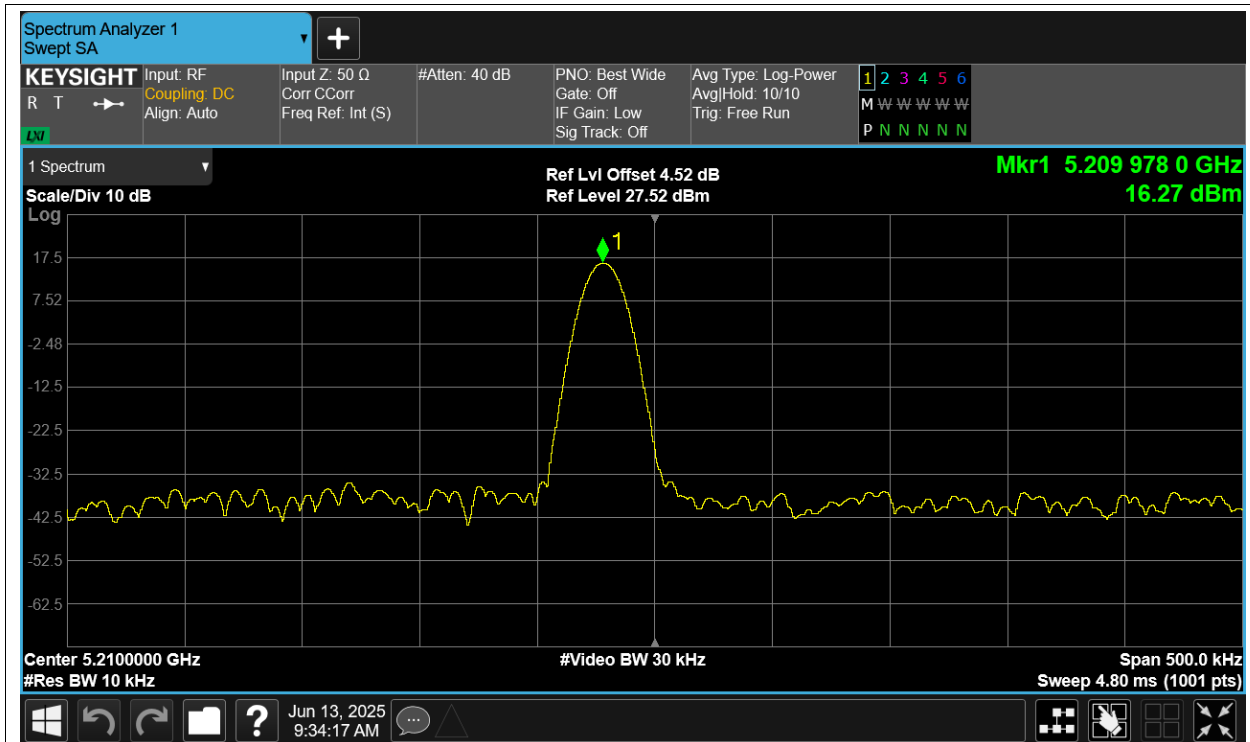
Freq. Stability NVNT a 5180MHz Ant1



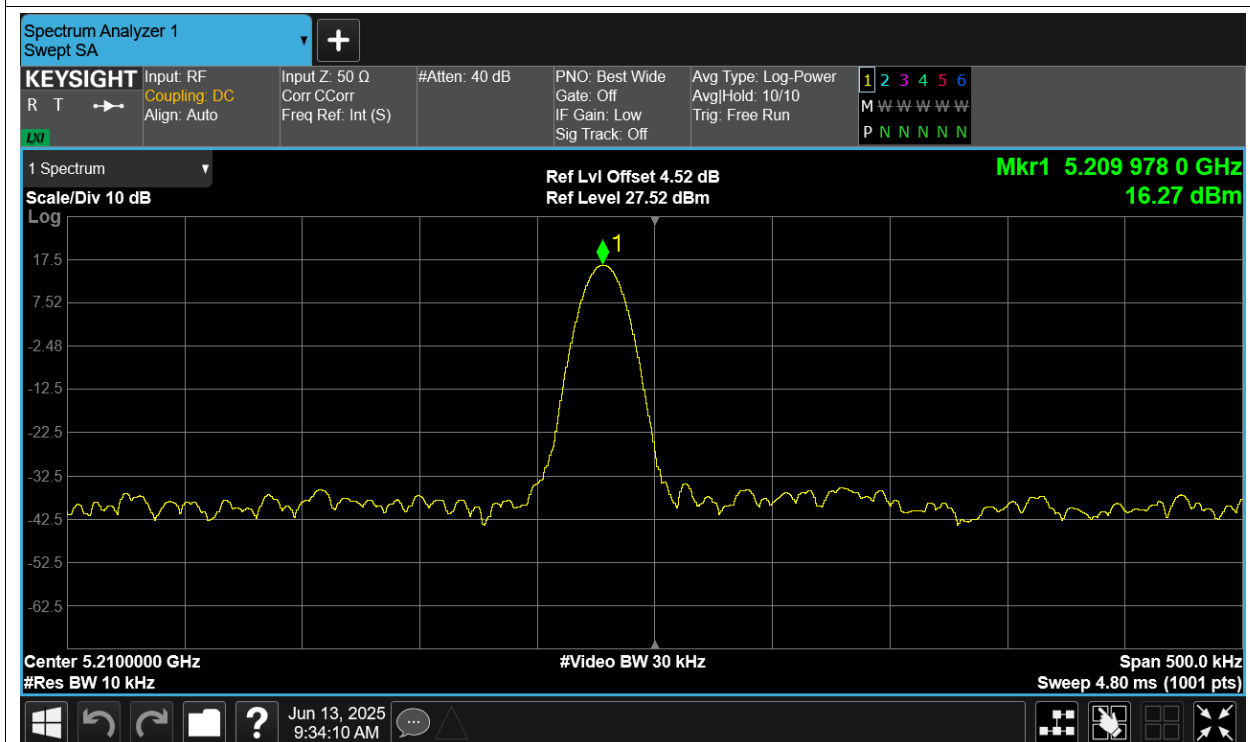
Freq. Stability HVNT ac80 5210MHz Ant1



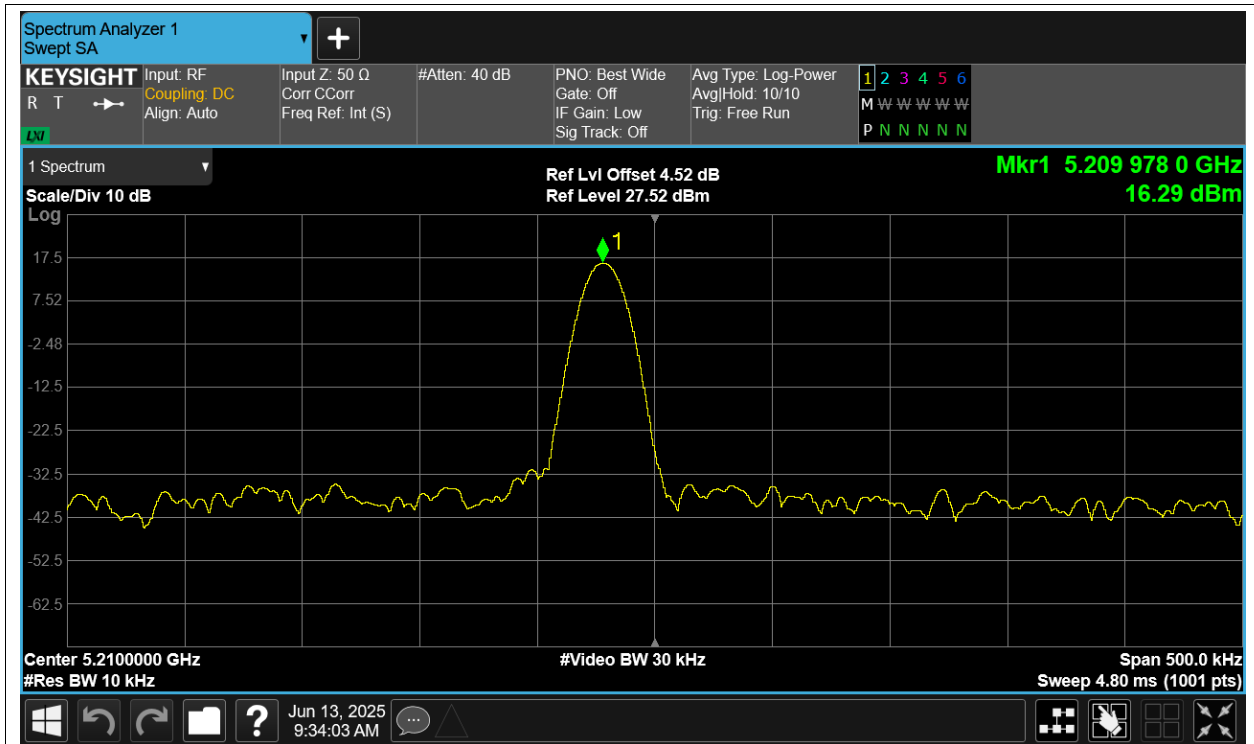
Freq. Stability LVNT ac80 5210MHz Ant1



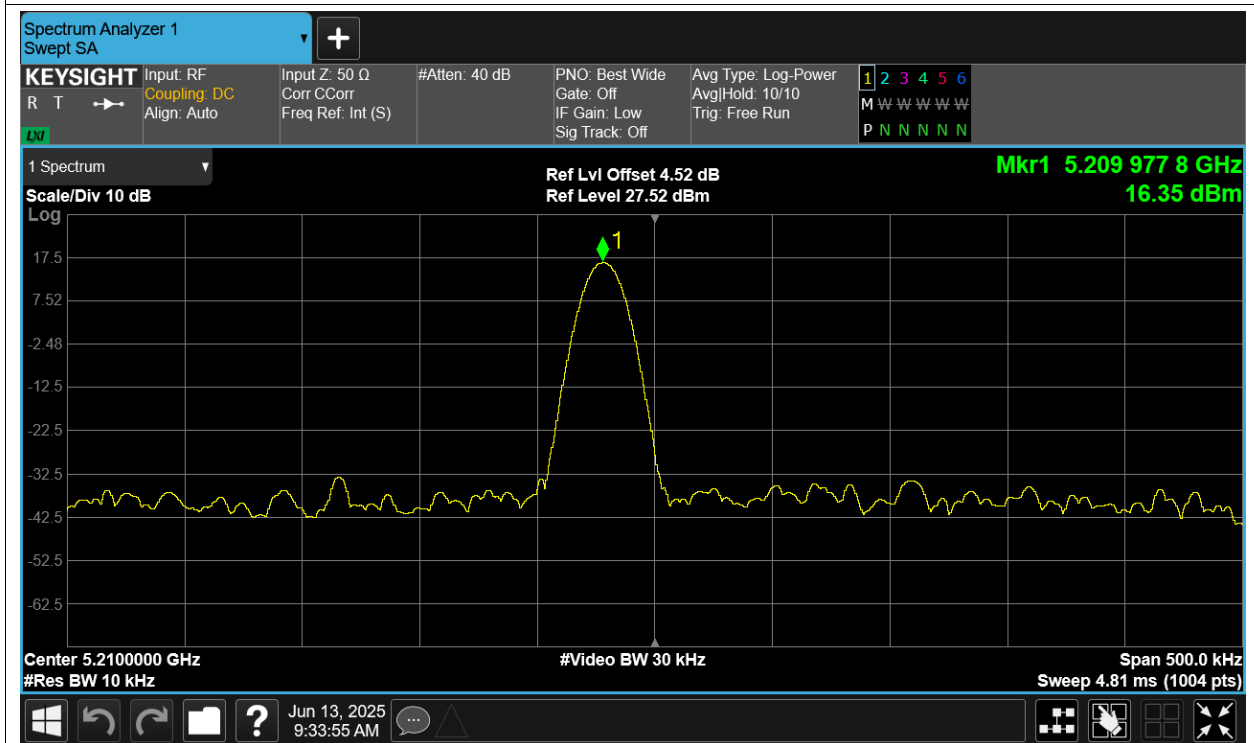
Freq. Stability NVHT ac80 5210MHz Ant1



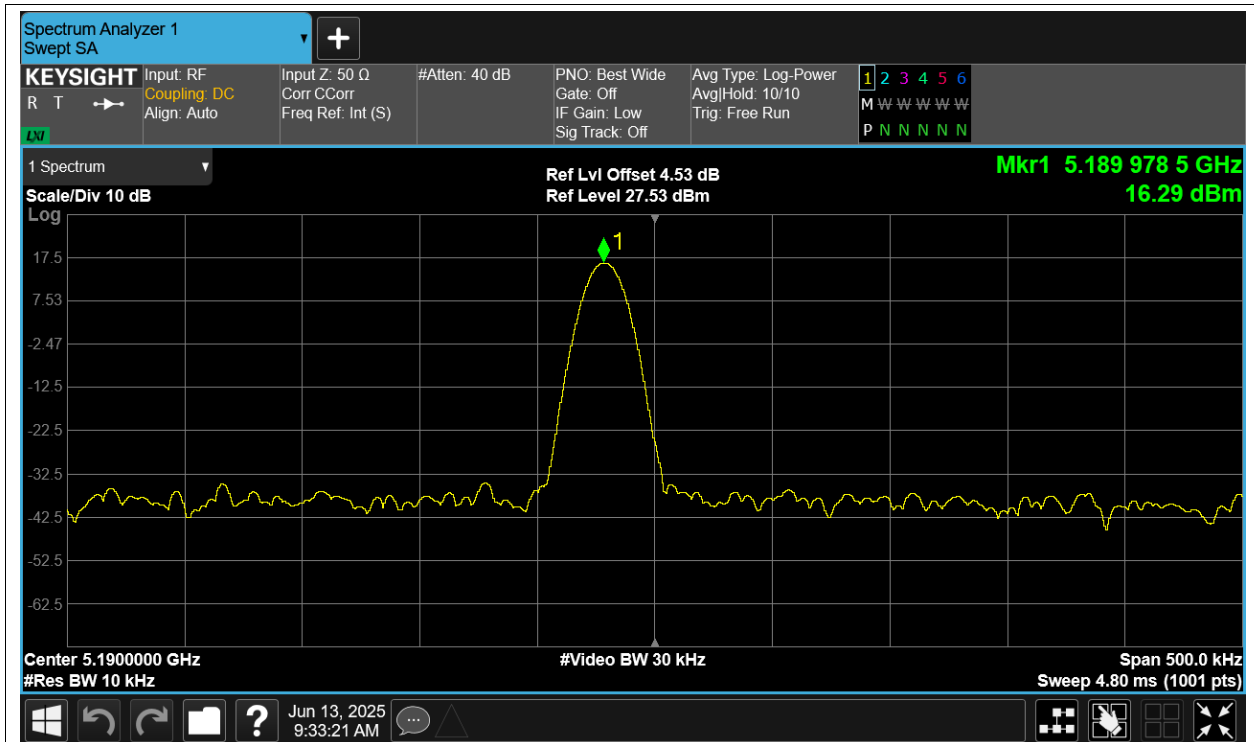
Freq. Stability NVLT ac80 5210MHz Ant1



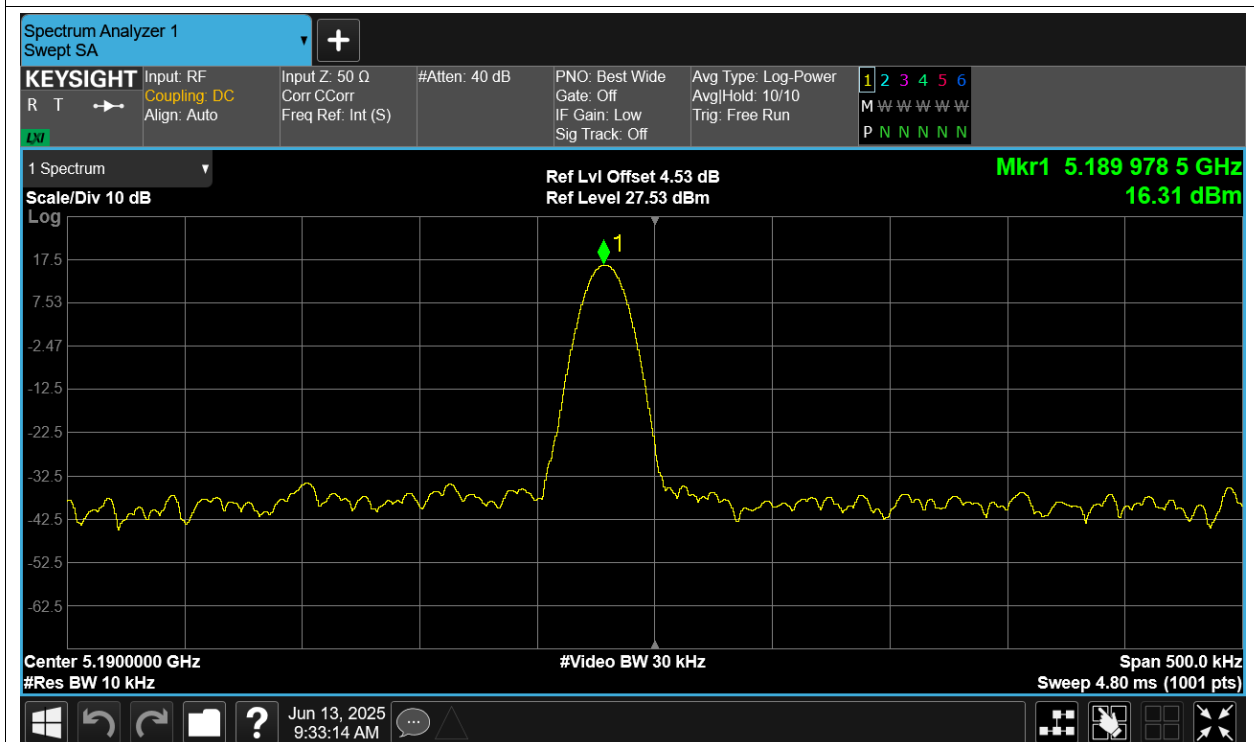
Freq. Stability NVNT ac80 5210MHz Ant1



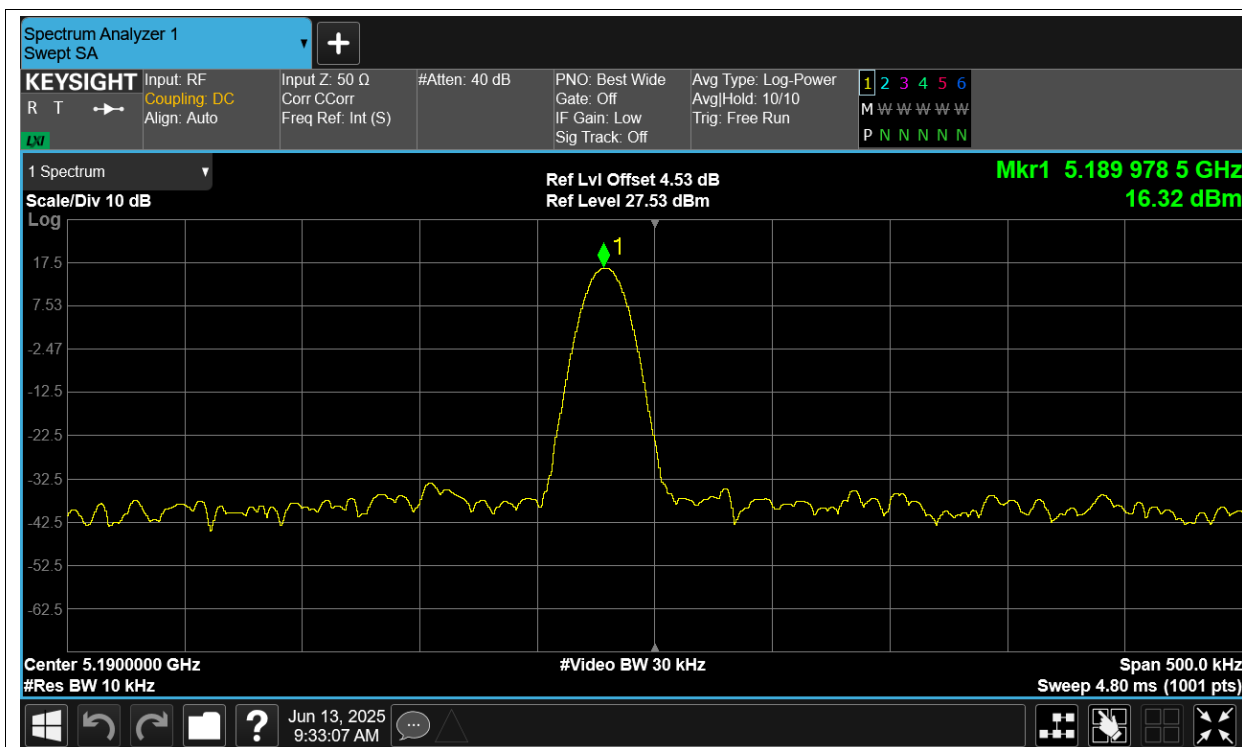
Freq. Stability HVNT n40 5190MHz Ant1



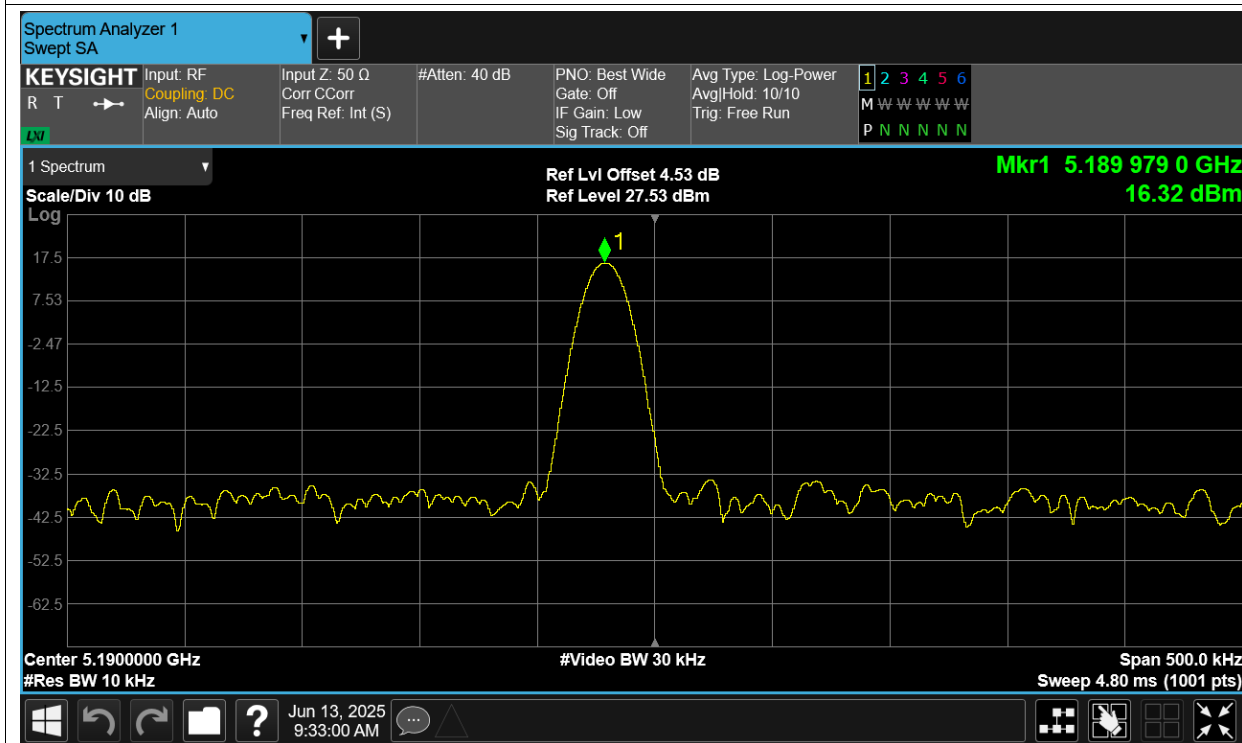
Freq. Stability LVNT n40 5190MHz Ant1



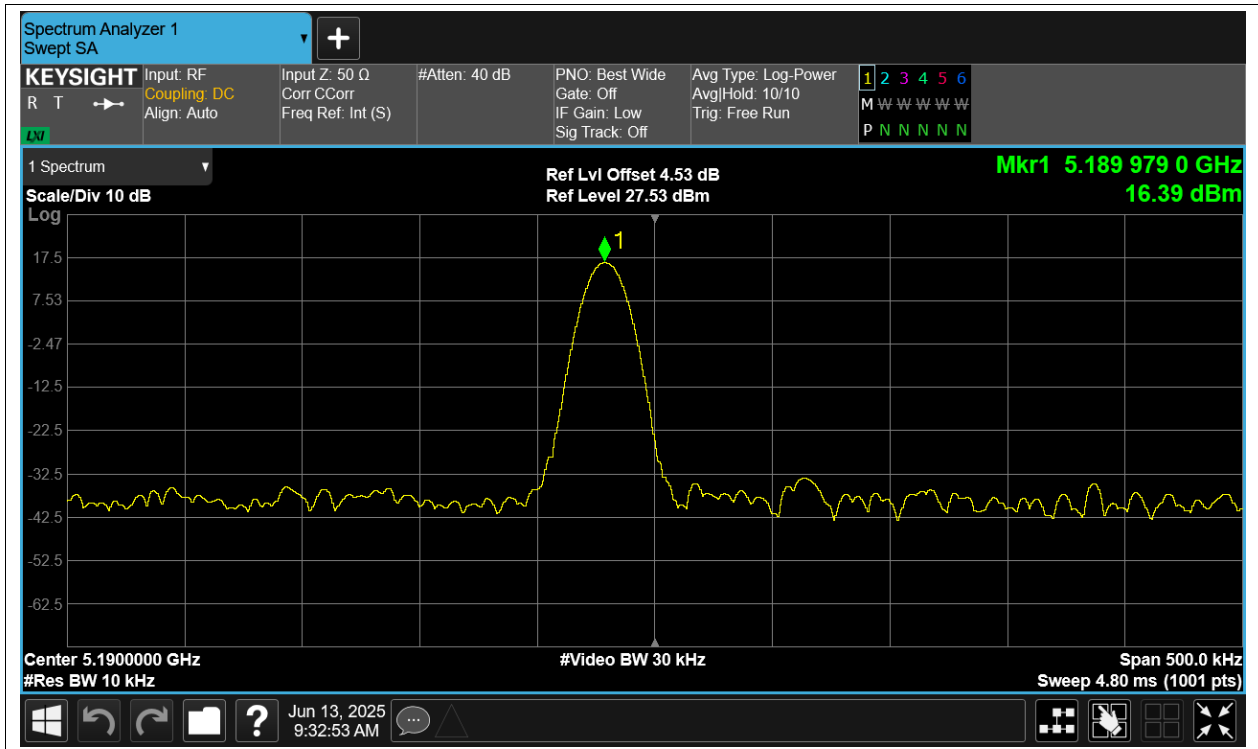
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

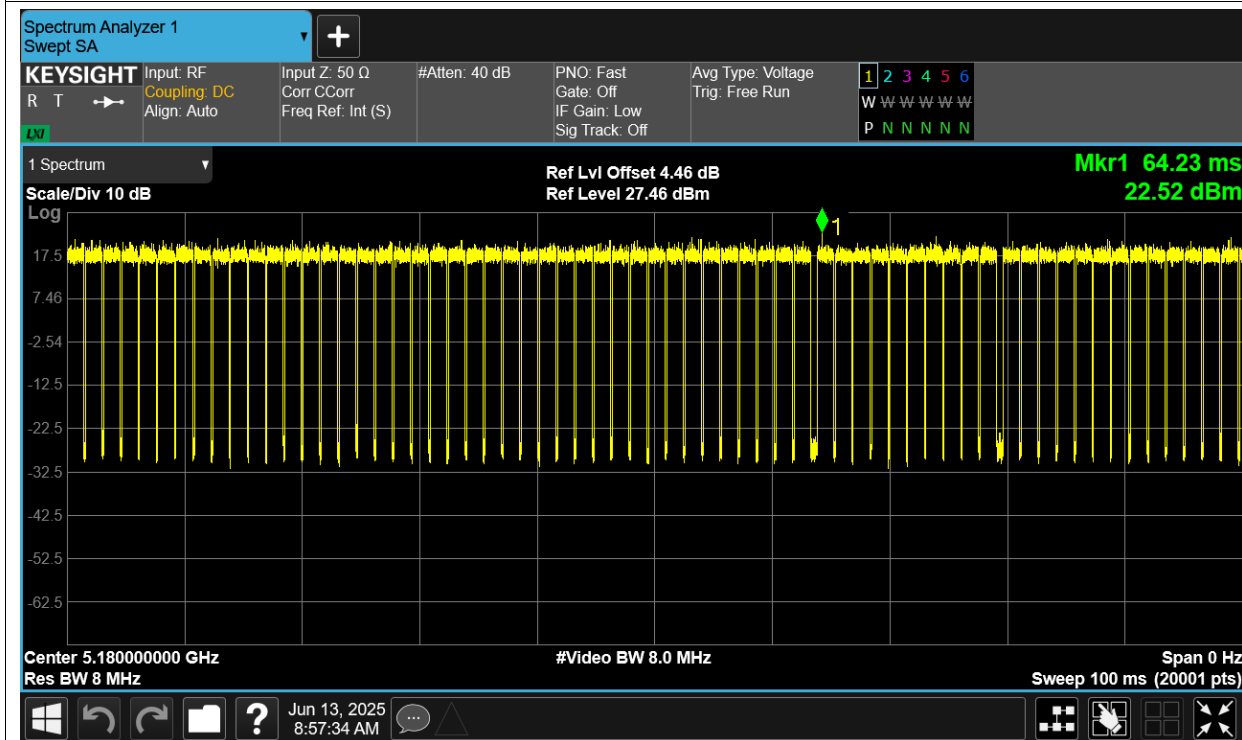


Duty Cycle

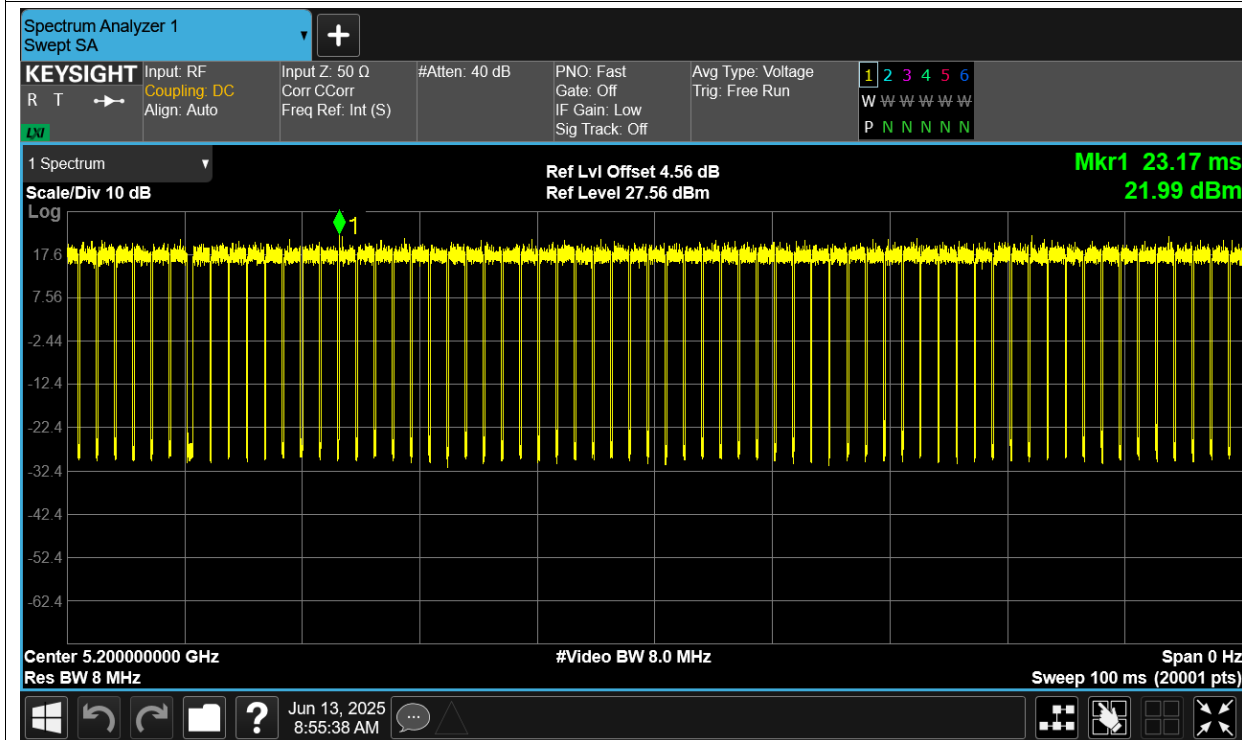
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	89.64	0.47
NVNT	a	5200	Ant1	89.95	0.46
NVNT	a	5240	Ant1	88.48	0.53
NVNT	ac20	5180	Ant1	88.05	0.55
NVNT	ac20	5200	Ant1	88.37	0.54
NVNT	ac20	5240	Ant1	88.48	0.53
NVNT	ac40	5190	Ant1	79.17	1.01
NVNT	ac40	5230	Ant1	79.38	1
NVNT	ac80	5210	Ant1	65.97	1.81
NVNT	n20	5180	Ant1	88.01	0.55
NVNT	n20	5200	Ant1	88.57	0.53
NVNT	n20	5240	Ant1	88.41	0.53
NVNT	n40	5190	Ant1	79.32	1.01
NVNT	n40	5230	Ant1	79.35	1

Test Graphs

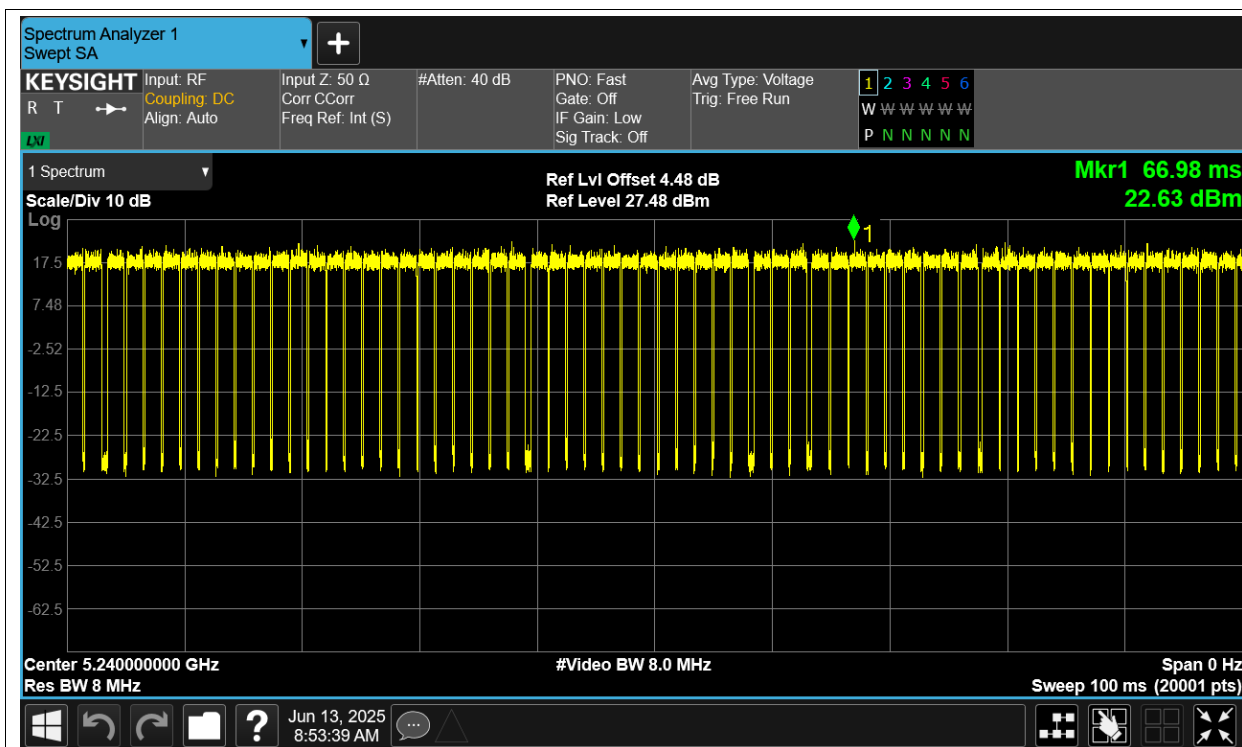
Duty Cycle NVNT a 5180MHz Ant1



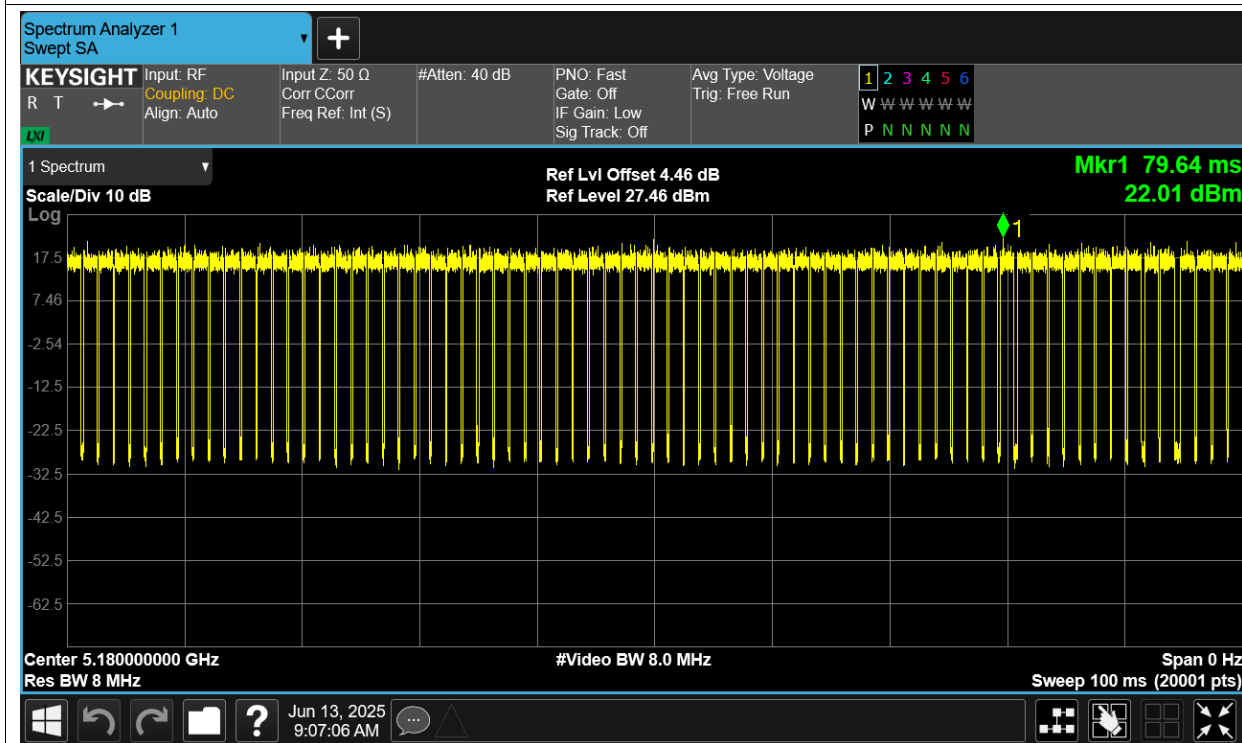
Duty Cycle NVNT a 5200MHz Ant1



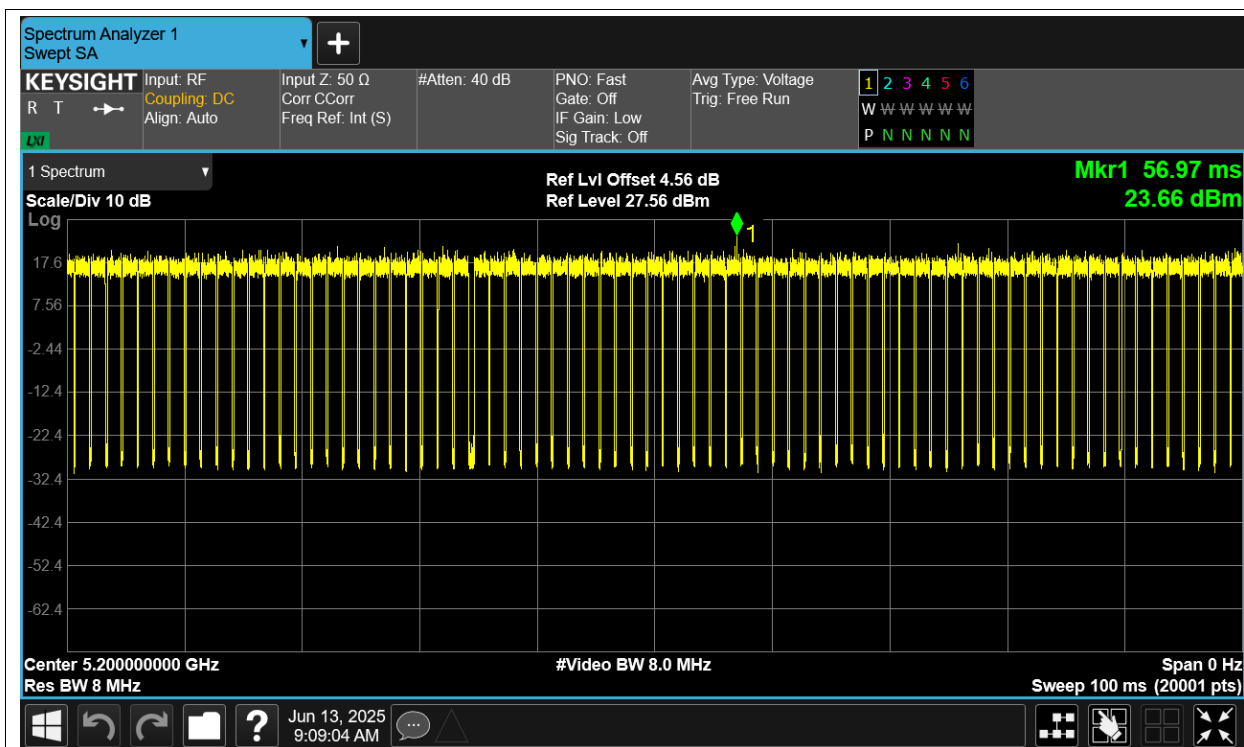
Duty Cycle NVNT a 5240MHz Ant1



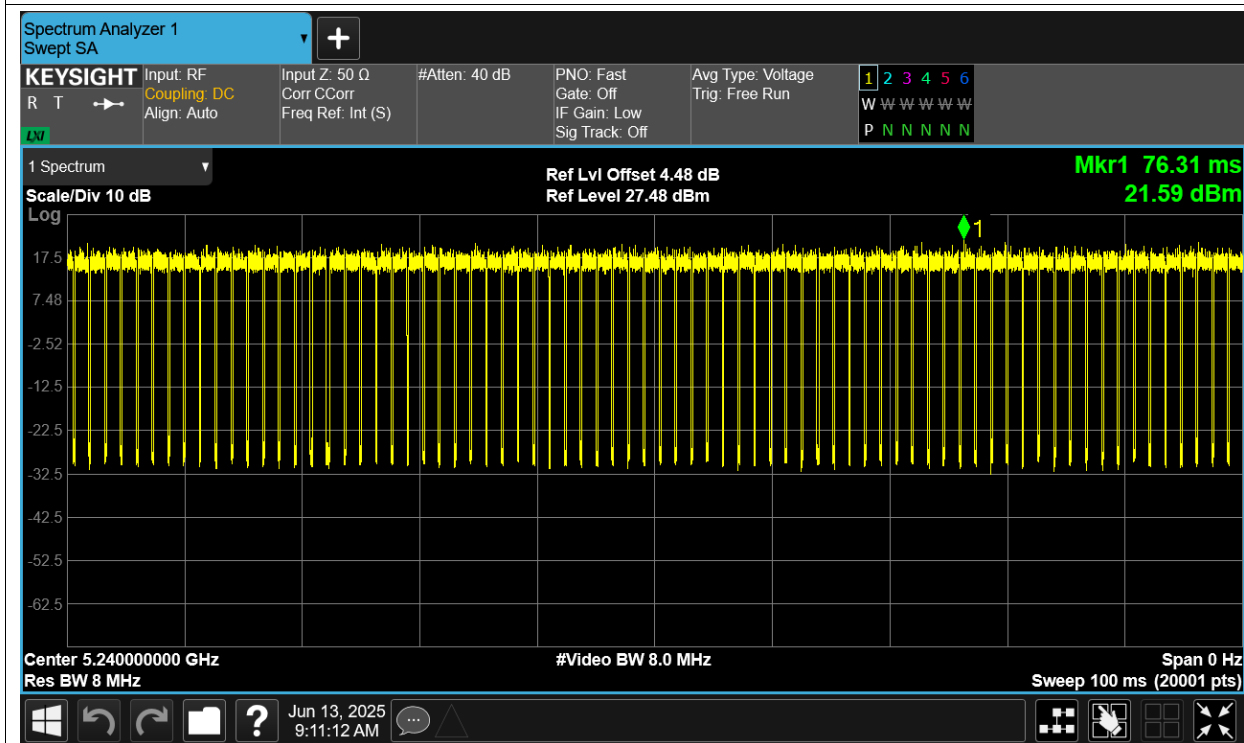
Duty Cycle NVNT ac20 5180MHz Ant1



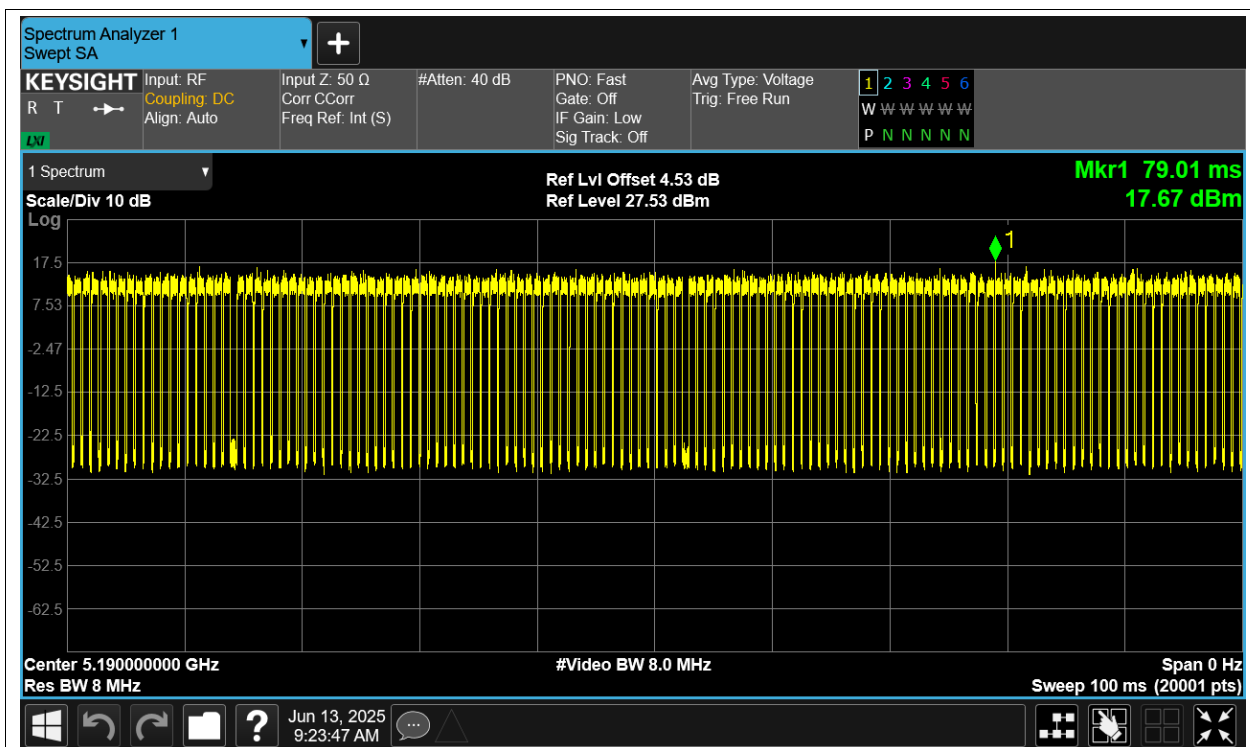
Duty Cycle NVNT ac20 5200MHz Ant1



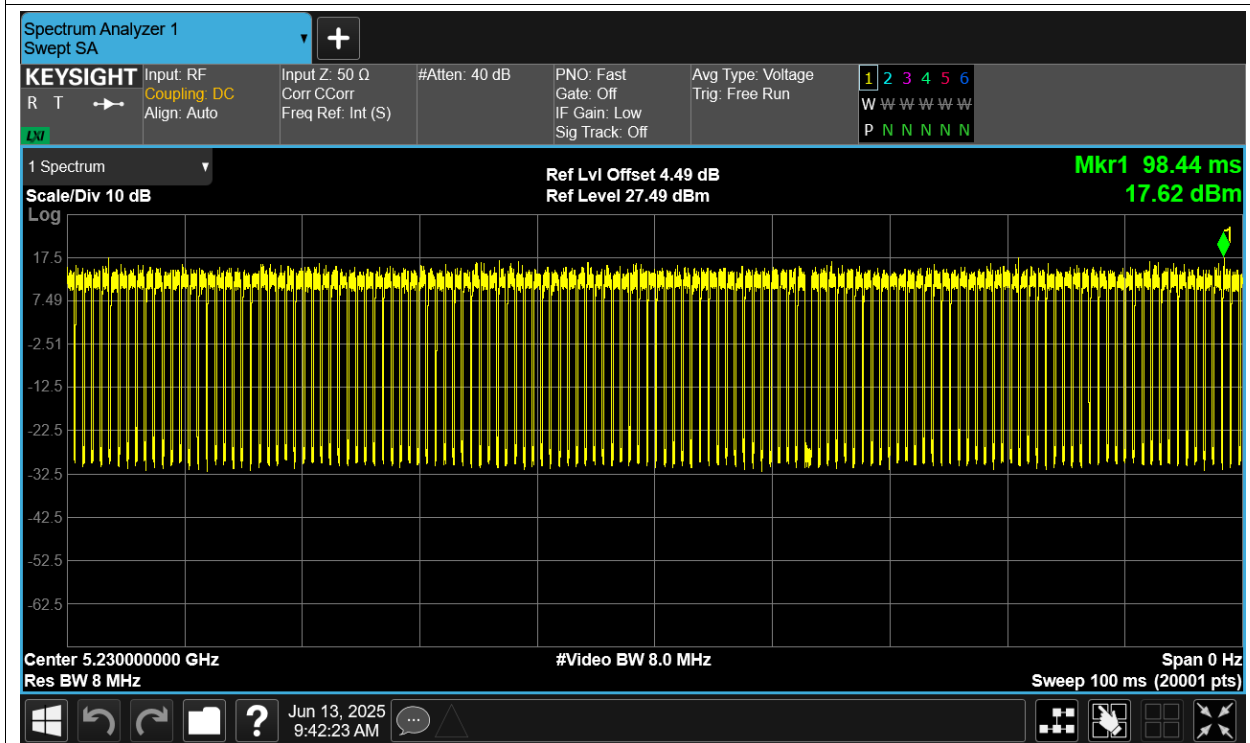
Duty Cycle NVNT ac20 5240MHz Ant1



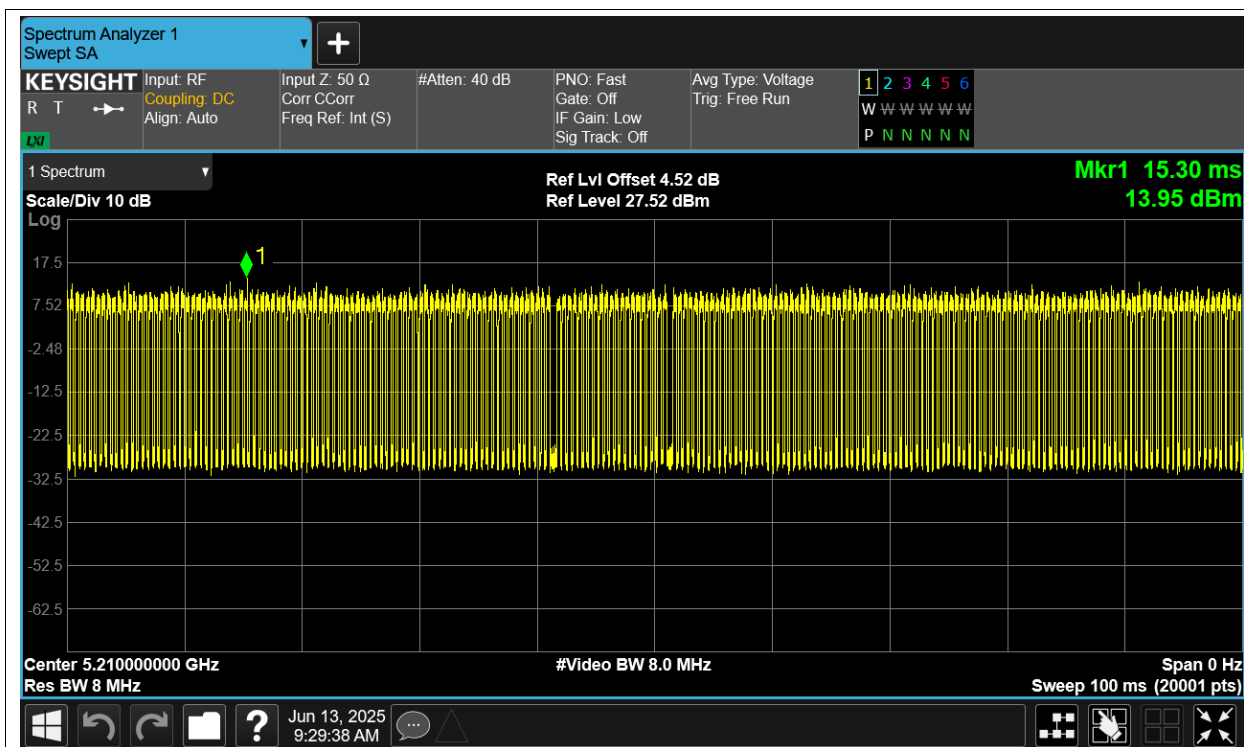
Duty Cycle NVNT ac40 5190MHz Ant1



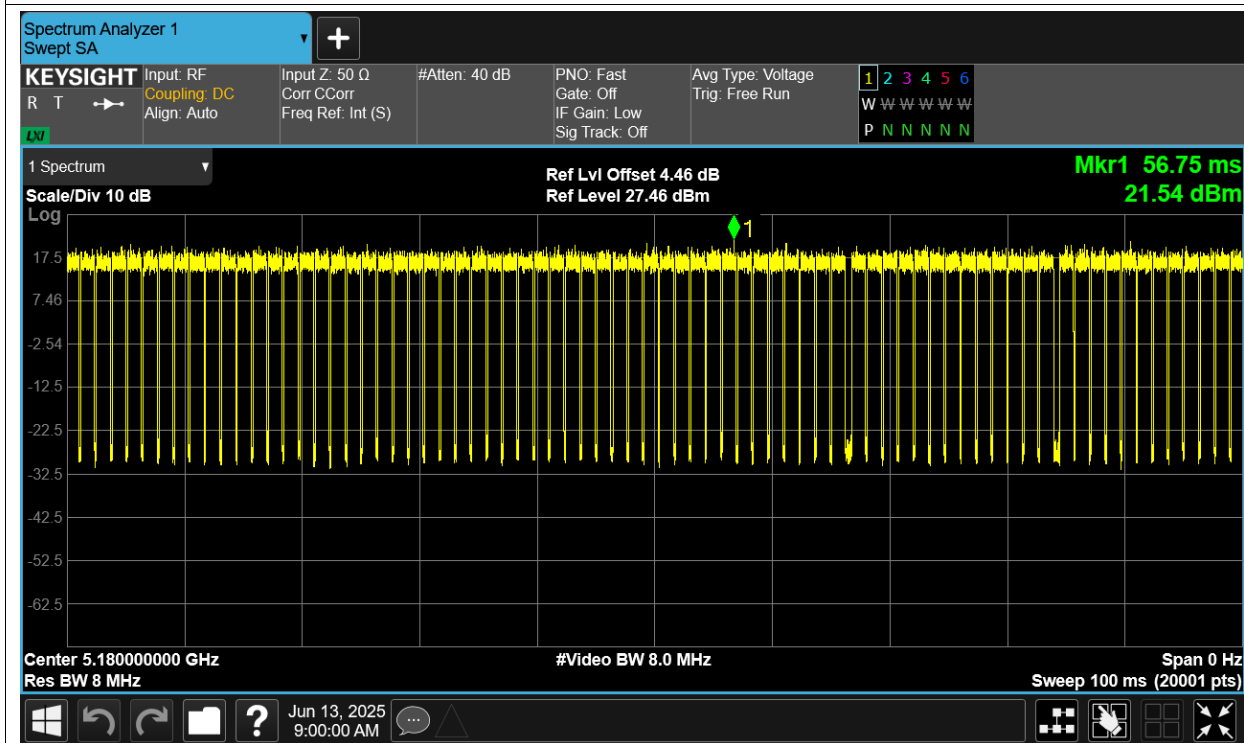
Duty Cycle NVNT ac40 5230MHz Ant1



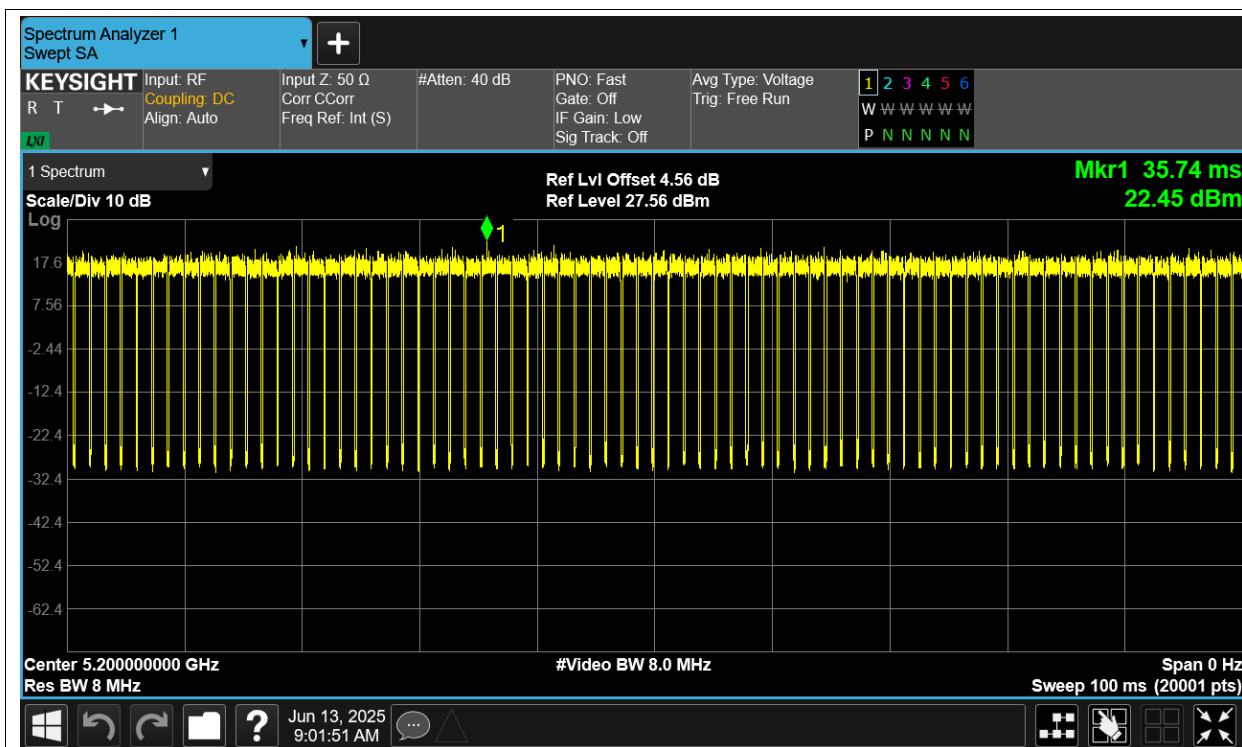
Duty Cycle NVNT ac80 5210MHz Ant1



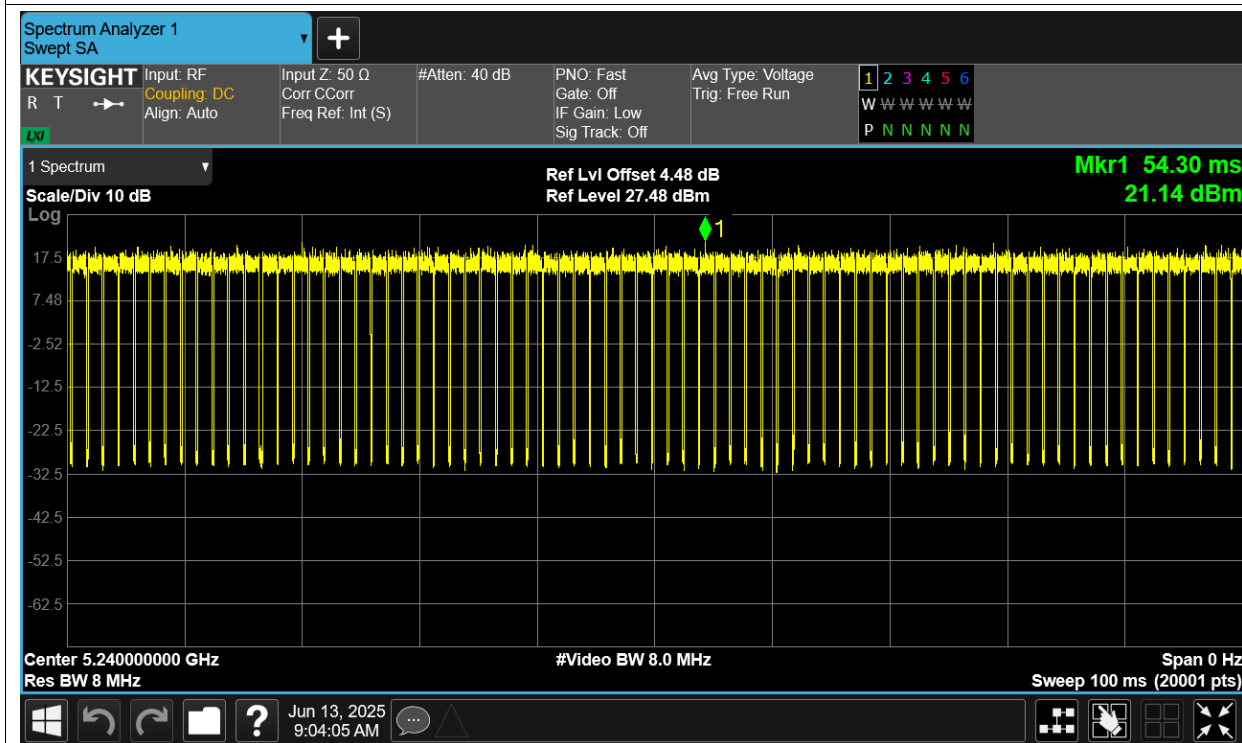
Duty Cycle NVNT n20 5180MHz Ant1



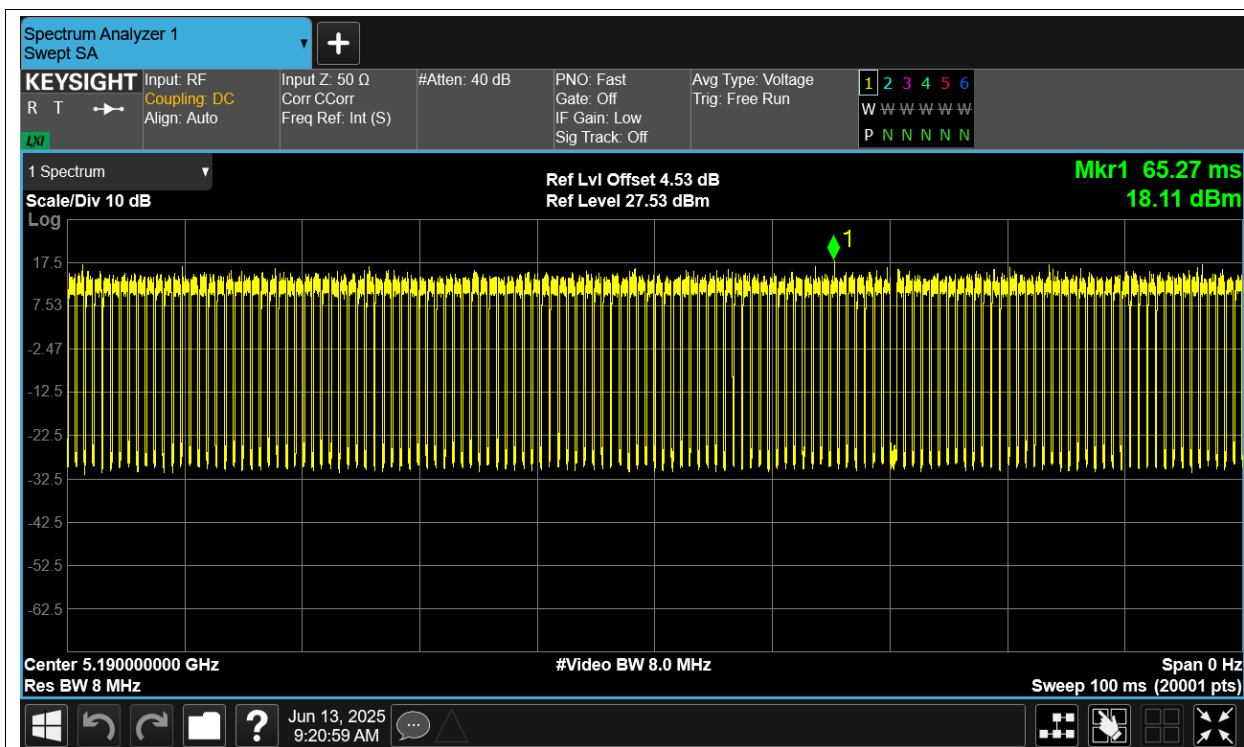
Duty Cycle NVNT n20 5200MHz Ant1



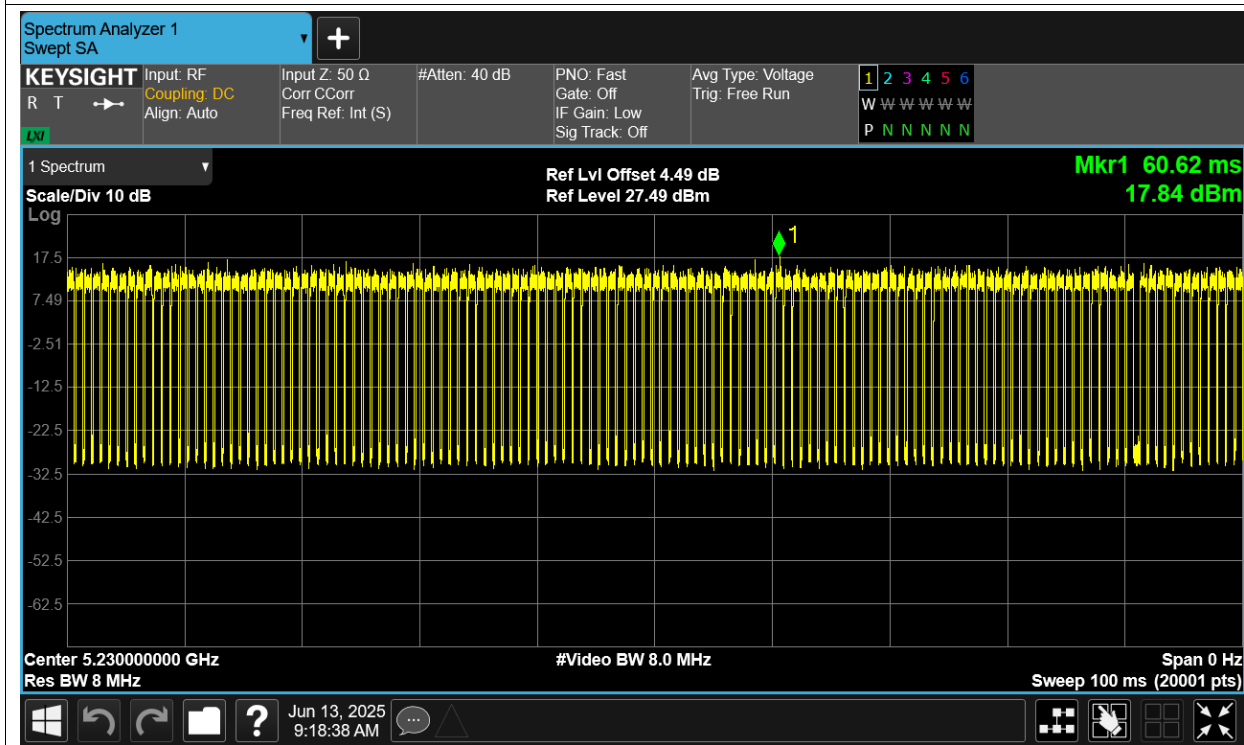
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

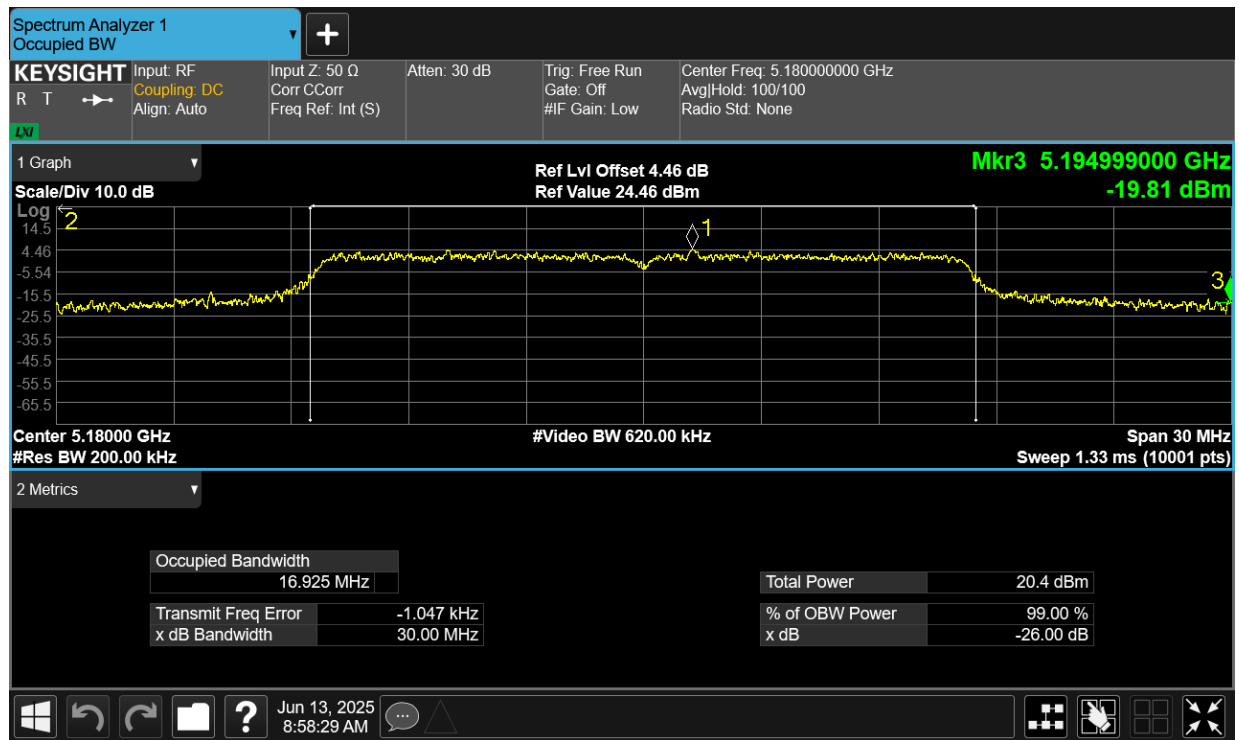
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	15.29	0.47	15.76	24	Pass
NVNT	a	5200	Ant1	15.29	0.46	15.75	24	Pass
NVNT	a	5240	Ant1	15.35	0.53	15.88	24	Pass
NVNT	ac20	5180	Ant1	13.68	0.55	14.23	24	Pass
NVNT	ac20	5200	Ant1	13.59	0.54	14.13	24	Pass
NVNT	ac20	5240	Ant1	13.87	0.53	14.4	24	Pass
NVNT	ac40	5190	Ant1	12.58	1.01	13.59	23	Pass
NVNT	ac40	5230	Ant1	12.84	1	13.84	24	Pass
NVNT	ac80	5210	Ant1	12.14	1.81	13.95	24	Pass
NVNT	n20	5180	Ant1	13.7	0.55	14.25	24	Pass
NVNT	n20	5200	Ant1	13.58	0.53	14.11	24	Pass
NVNT	n20	5240	Ant1	13.61	0.53	14.14	24	Pass
NVNT	n40	5190	Ant1	12.61	1.01	13.62	24	Pass
NVNT	n40	5230	Ant1	12.68	1	13.68	24	Pass

-26dB Bandwidth

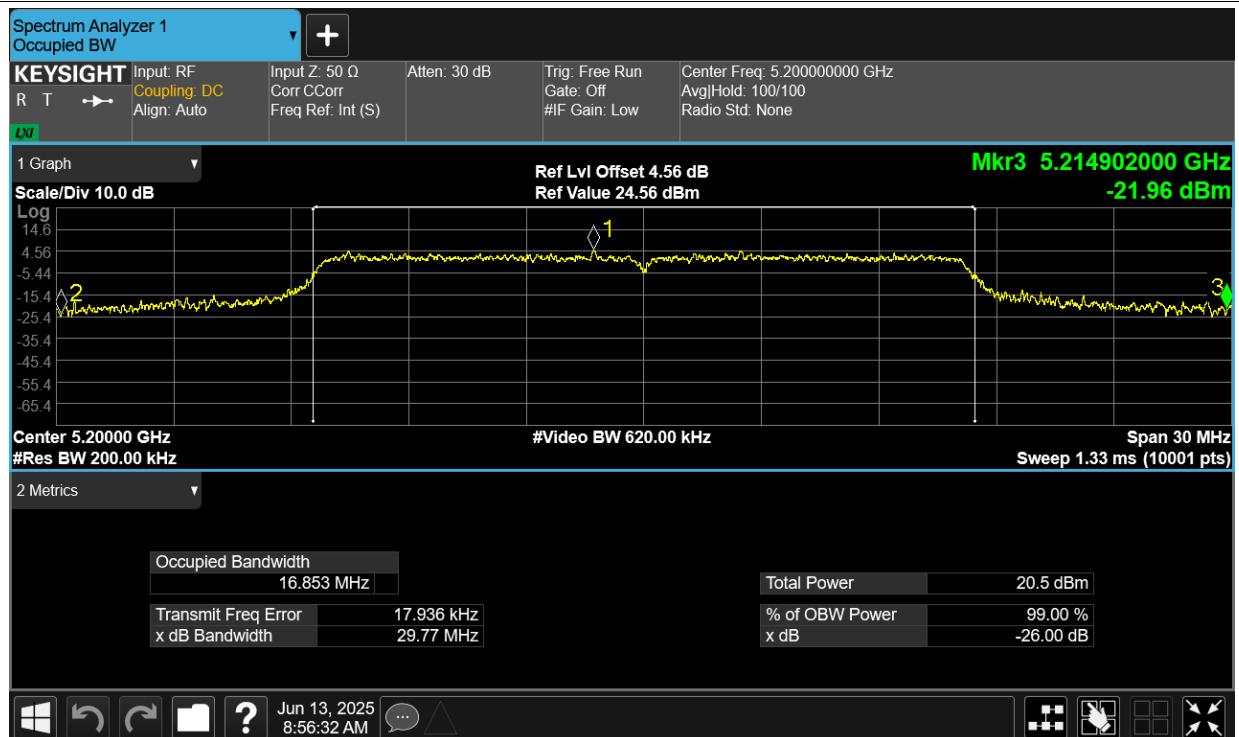
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	30
NVNT	a	5200	Ant1	29.769
NVNT	a	5240	Ant1	28.531
NVNT	ac20	5180	Ant1	25.04
NVNT	ac20	5200	Ant1	25.695
NVNT	ac20	5240	Ant1	25.263
NVNT	ac40	5190	Ant1	58.491
NVNT	ac40	5230	Ant1	58.01
NVNT	ac80	5210	Ant1	85.192
NVNT	n20	5180	Ant1	28.285
NVNT	n20	5200	Ant1	27.893
NVNT	n20	5240	Ant1	26.411
NVNT	n40	5190	Ant1	59.078
NVNT	n40	5230	Ant1	58.724

Test Graphs

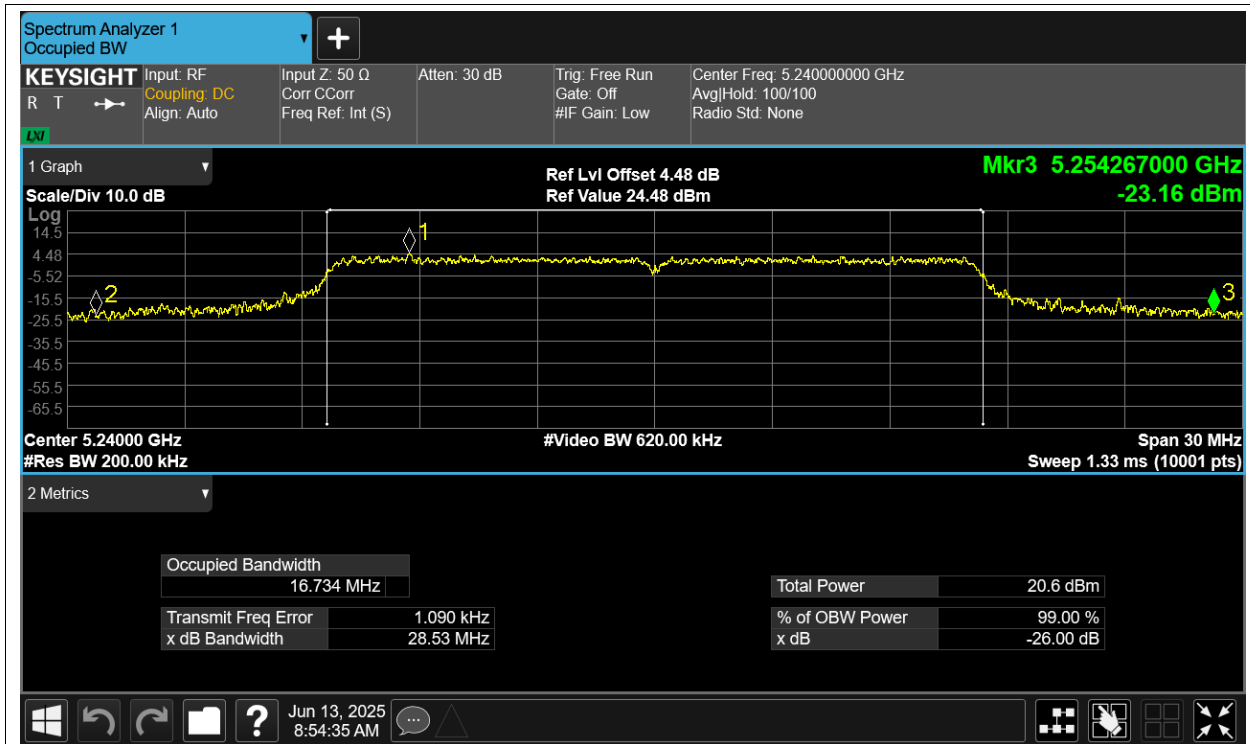
-26dB Bandwidth NVNT a 5180MHz Ant1



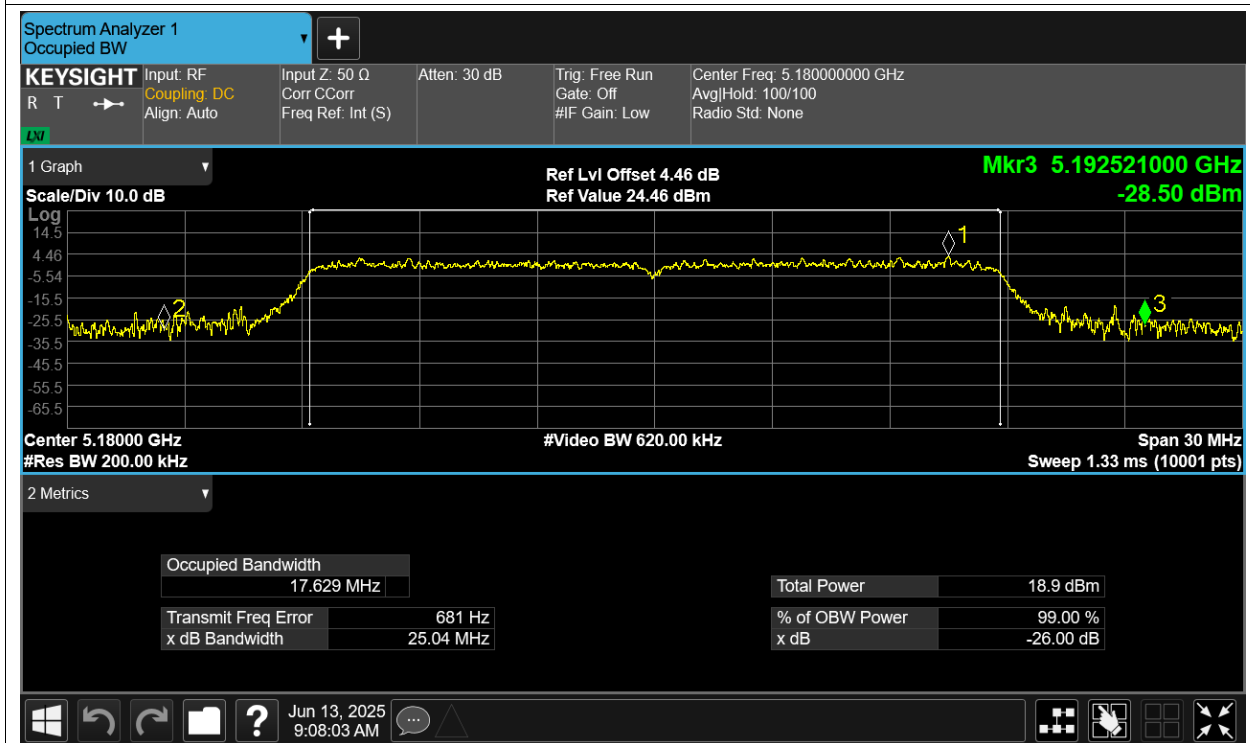
-26dB Bandwidth NVNT a 5200MHz Ant1



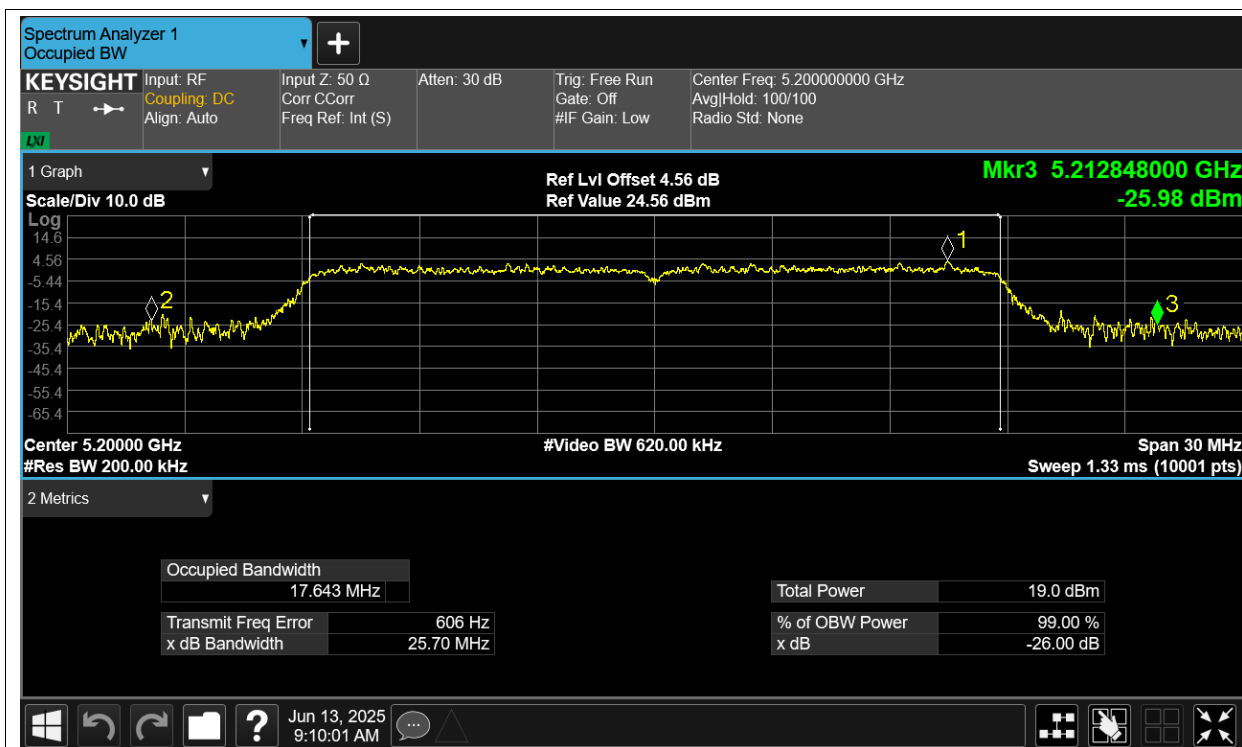
-26dB Bandwidth NVNT a 5240MHz Ant1



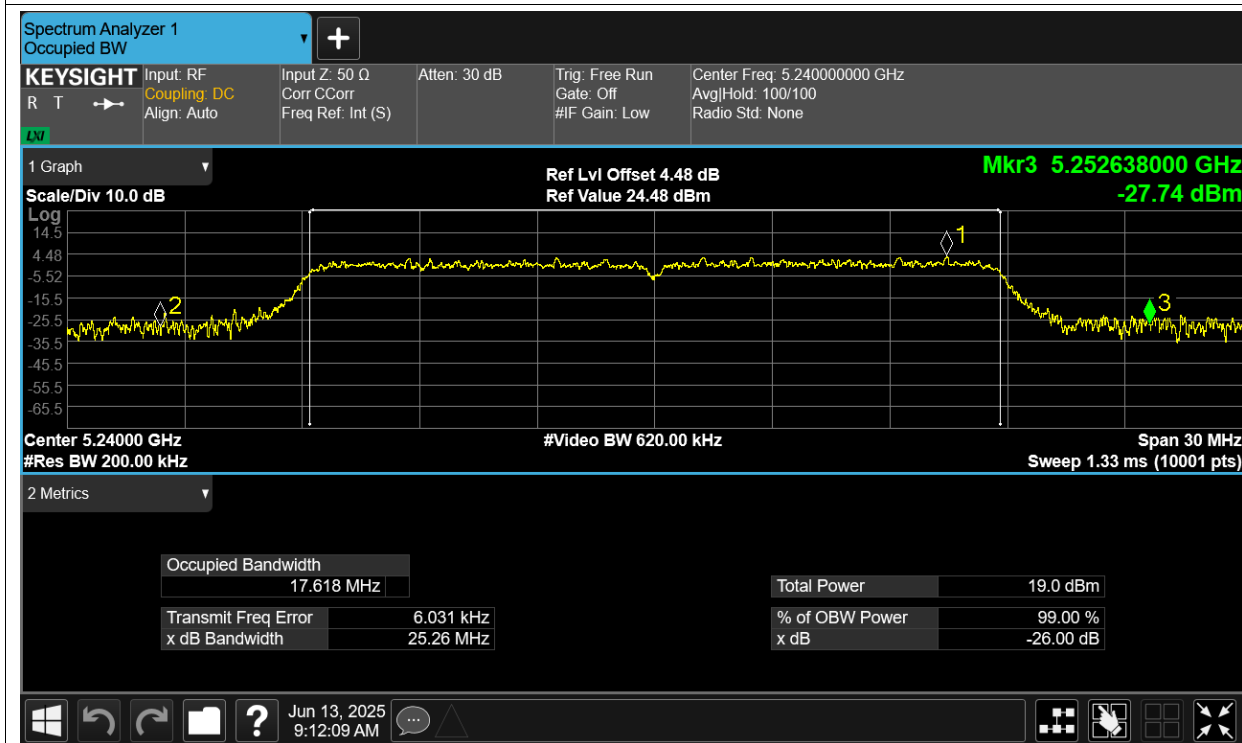
-26dB Bandwidth NVNT ac20 5180MHz Ant1



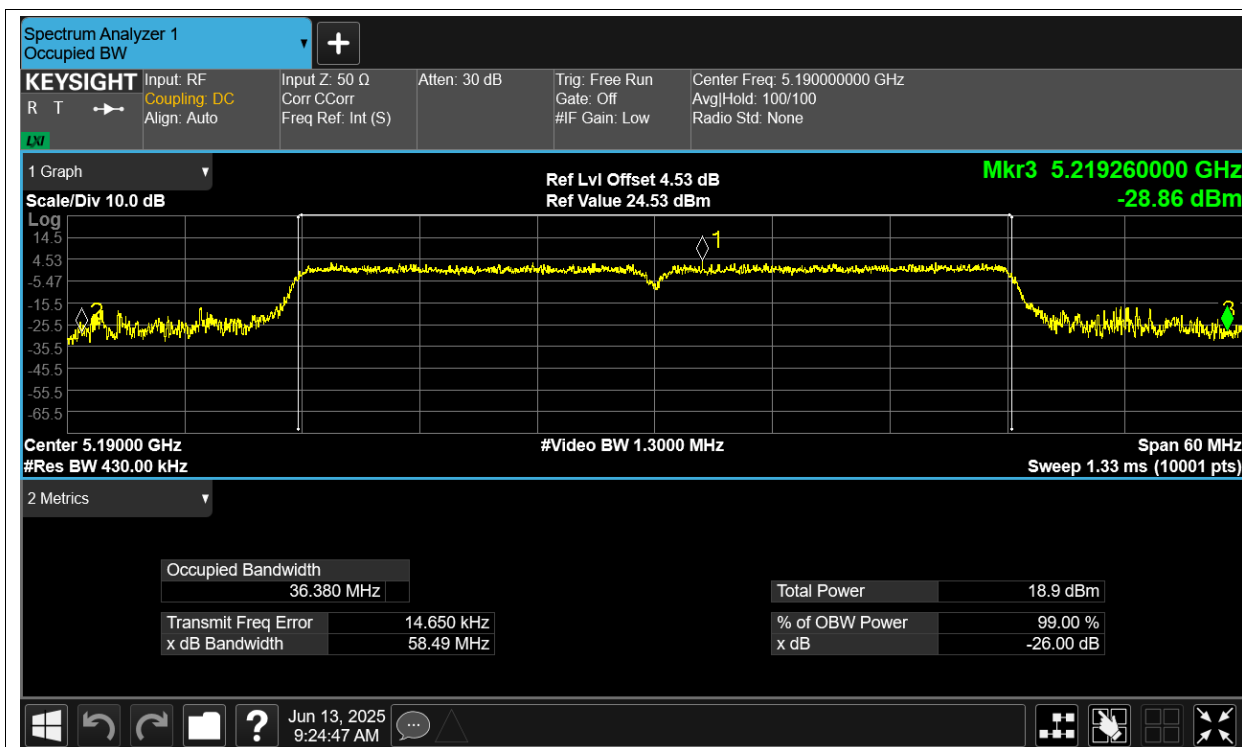
-26dB Bandwidth NVNT ac20 5200MHz Ant1



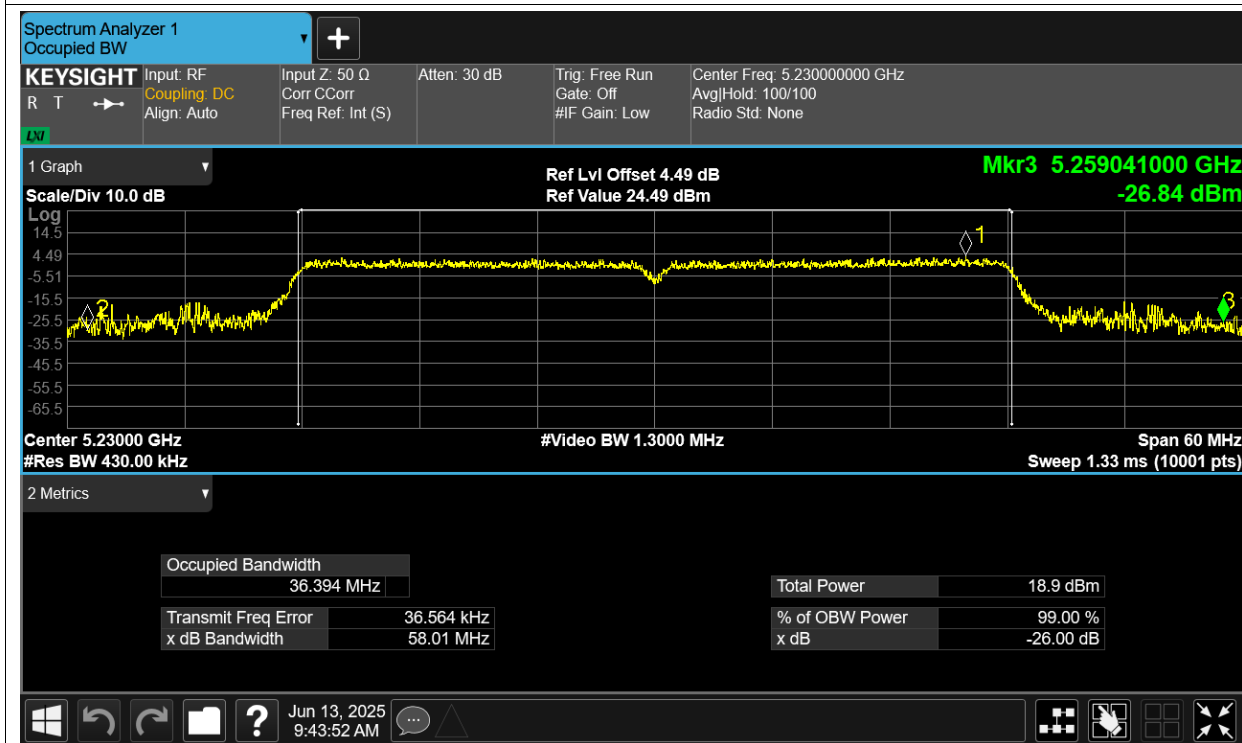
-26dB Bandwidth NVNT ac20 5240MHz Ant1



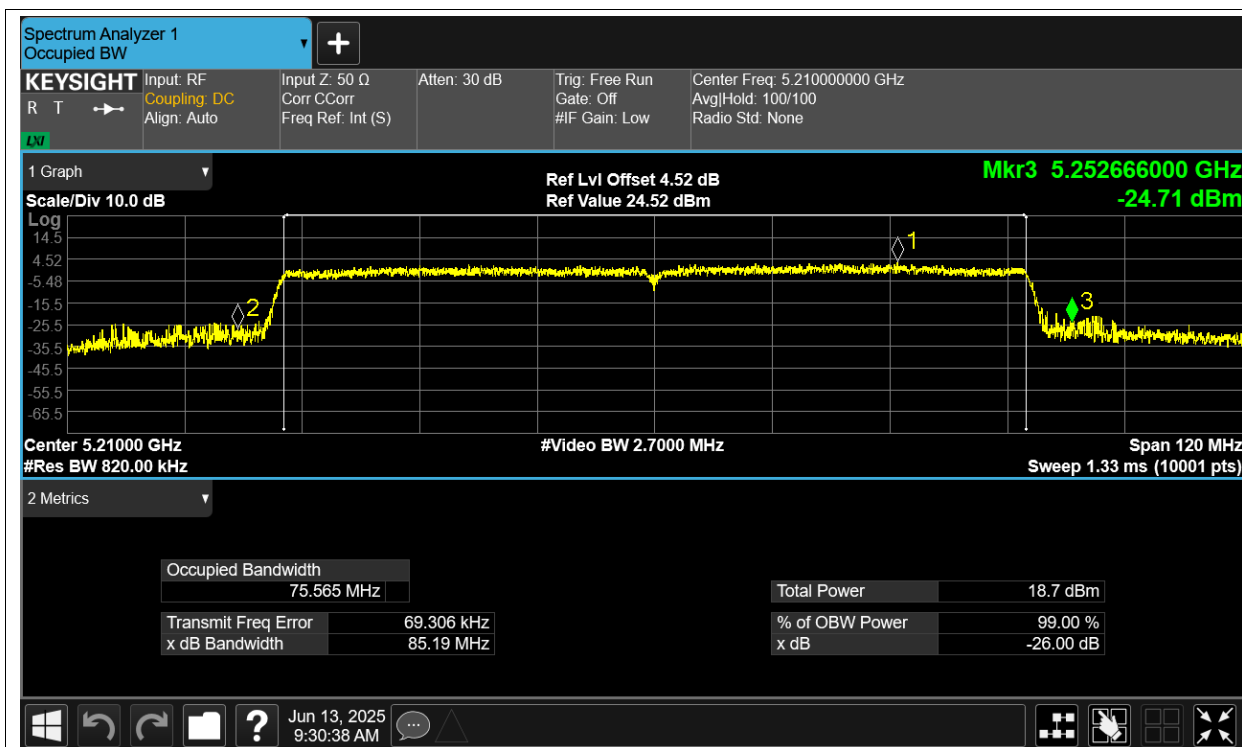
-26dB Bandwidth NVNT ac40 5190MHz Ant1



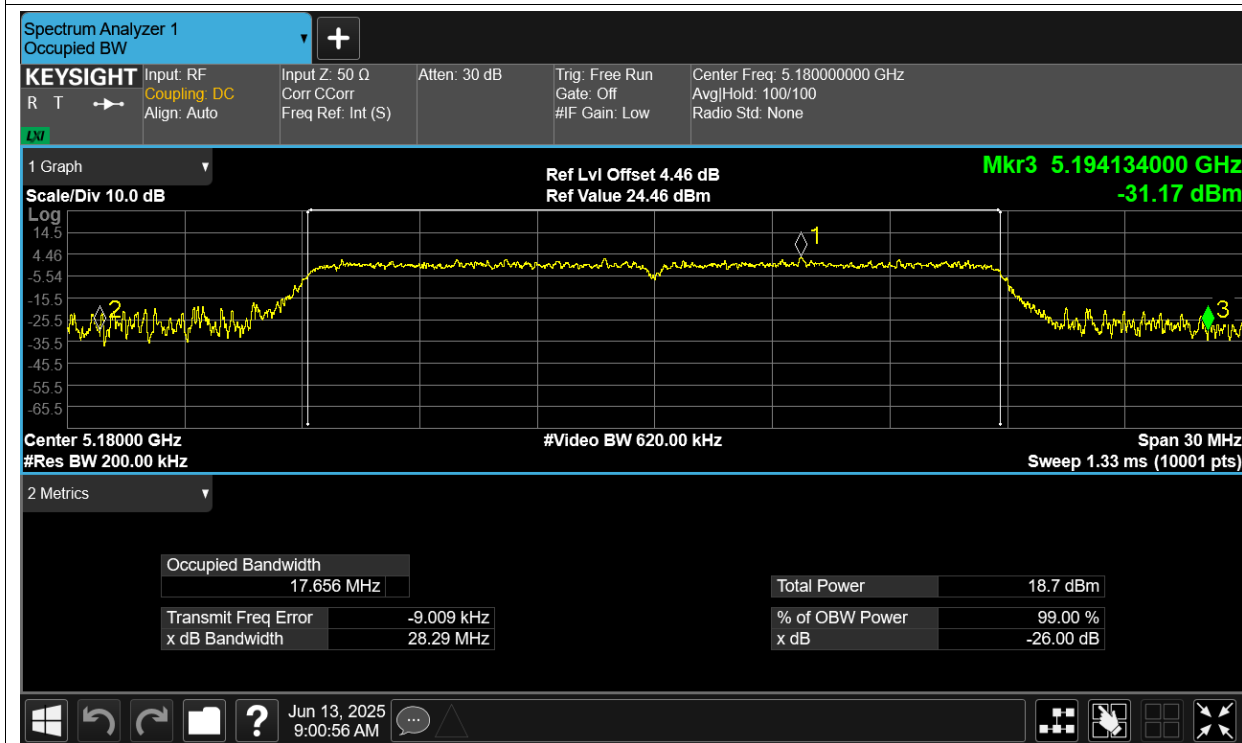
-26dB Bandwidth NVNT ac40 5230MHz Ant1



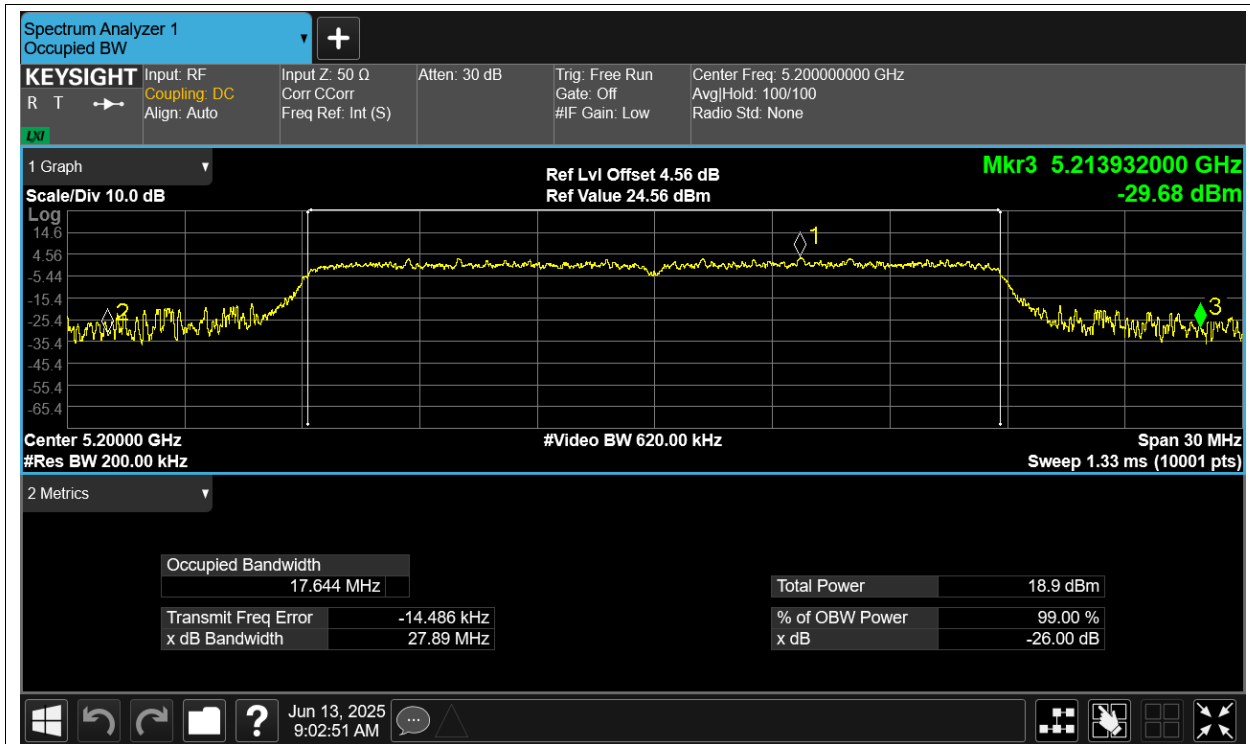
-26dB Bandwidth NVNT ac80 5210MHz Ant1



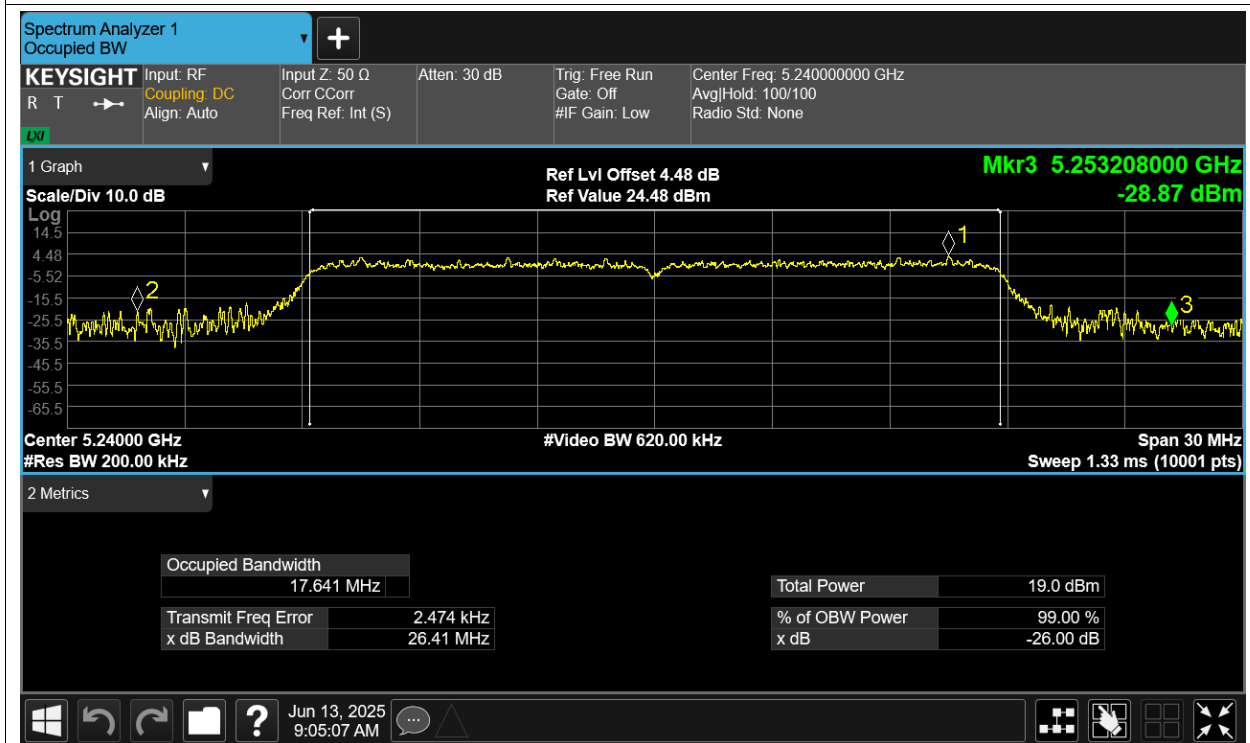
-26dB Bandwidth NVNT n20 5180MHz Ant1



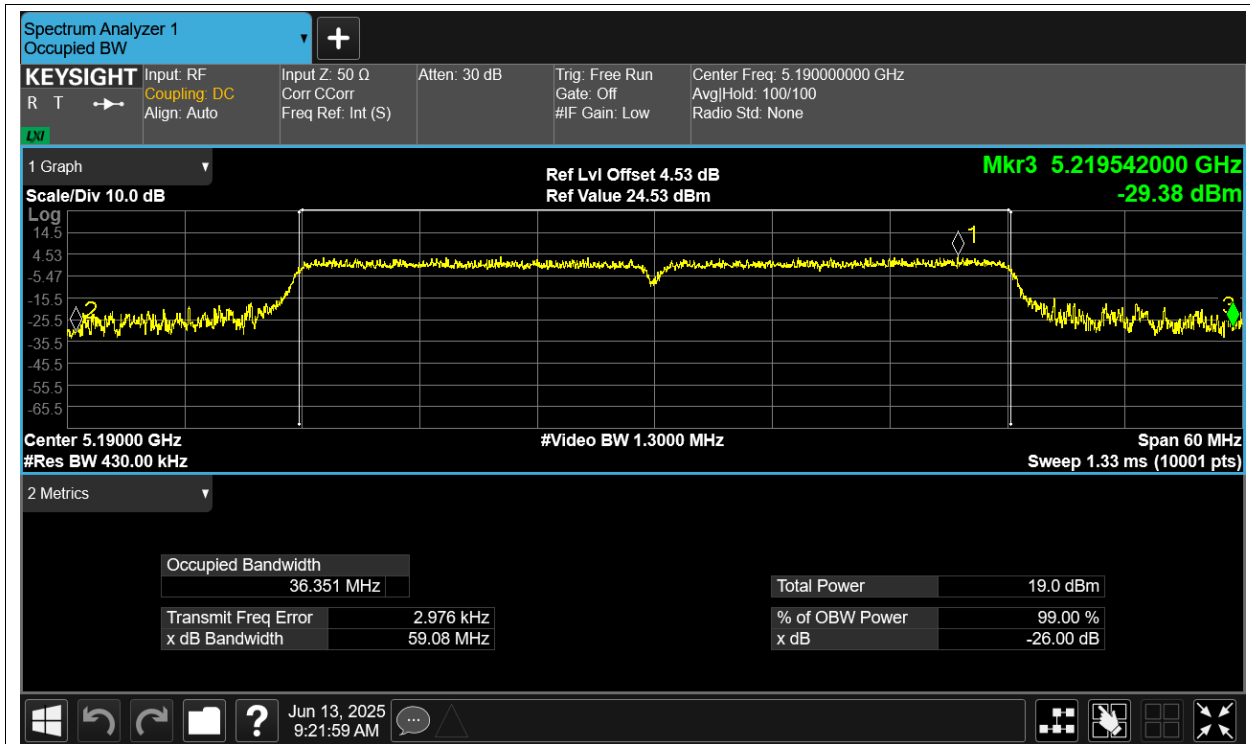
-26dB Bandwidth NVNT n20 5200MHz Ant1



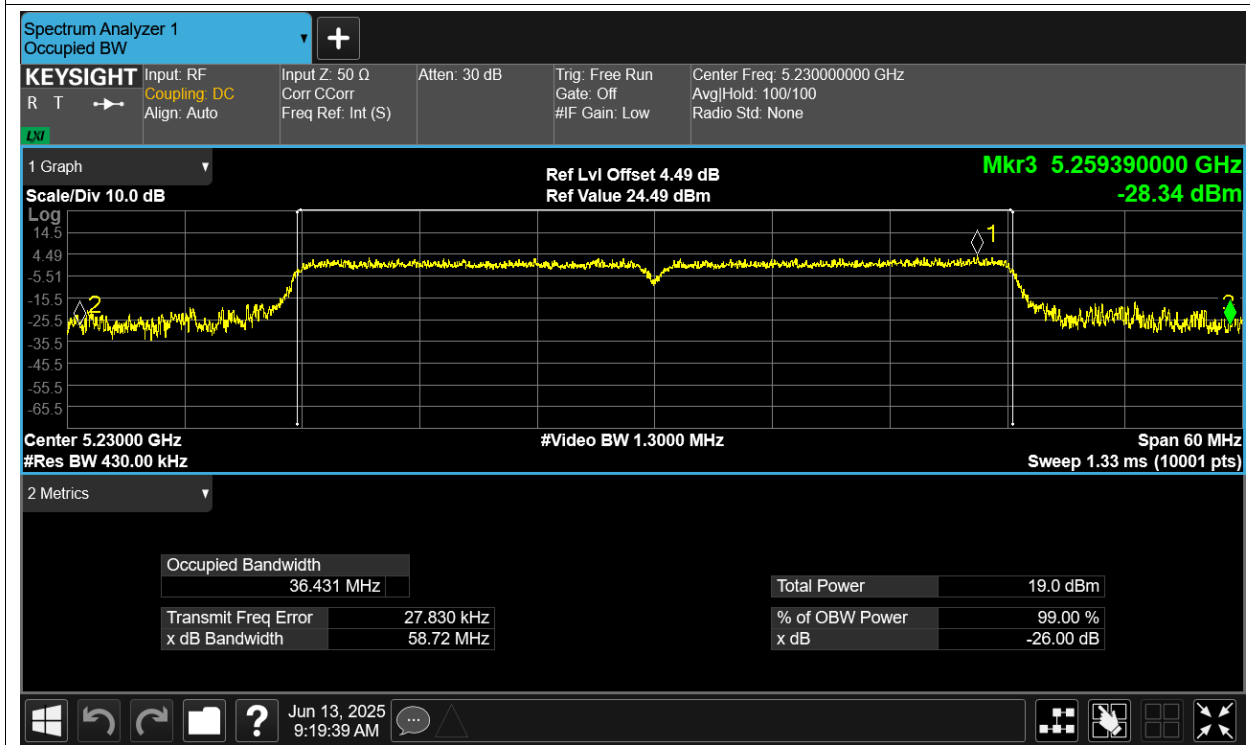
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

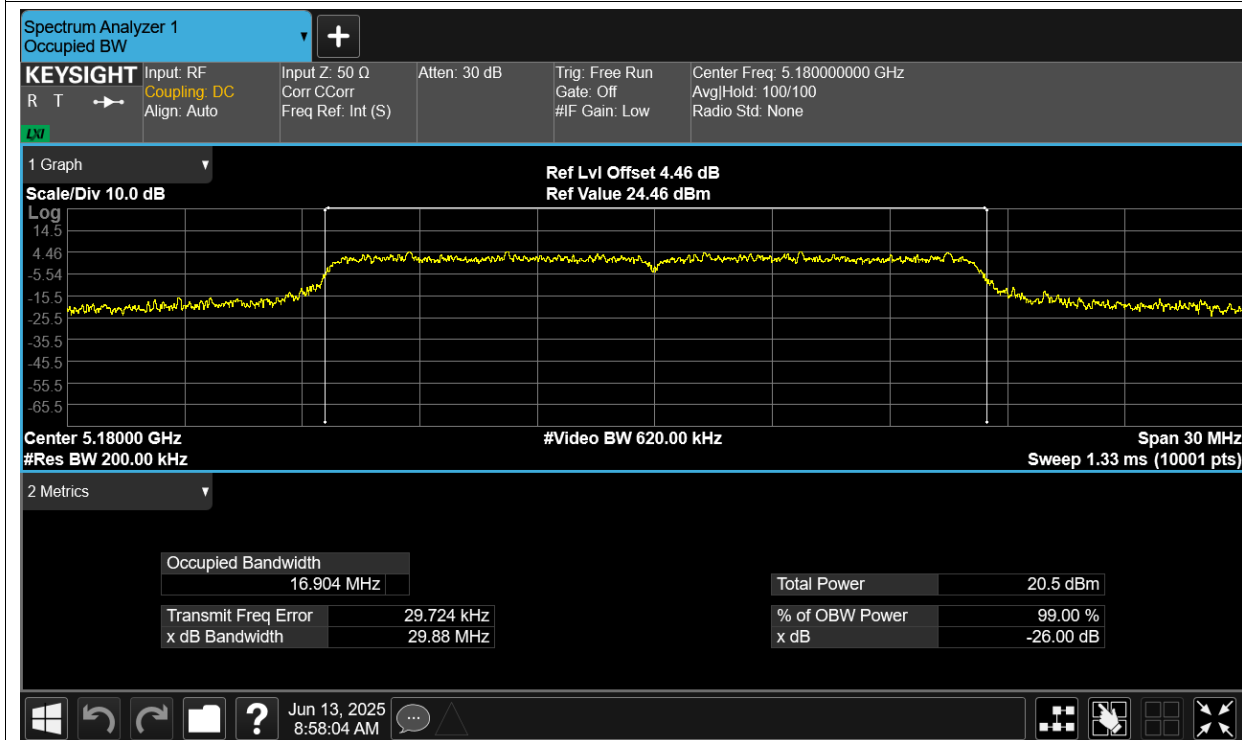


Occupied Channel Bandwidth

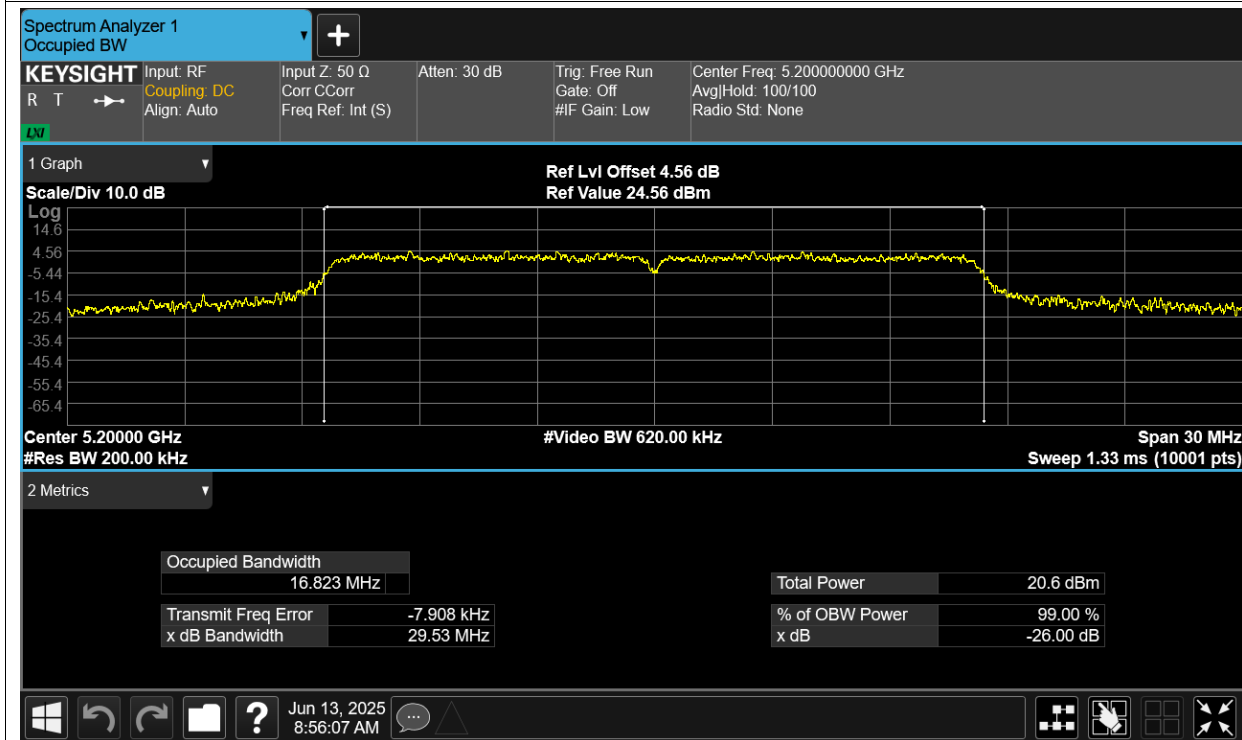
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.904
NVNT	a	5200	Ant1	16.823
NVNT	a	5240	Ant1	16.715
NVNT	ac20	5180	Ant1	17.647
NVNT	ac20	5200	Ant1	17.62
NVNT	ac20	5240	Ant1	17.627
NVNT	ac40	5190	Ant1	36.311
NVNT	ac40	5230	Ant1	36.357
NVNT	ac80	5210	Ant1	75.519
NVNT	n20	5180	Ant1	17.682
NVNT	n20	5200	Ant1	17.659
NVNT	n20	5240	Ant1	17.654
NVNT	n40	5190	Ant1	36.398
NVNT	n40	5230	Ant1	36.406

Test Graphs

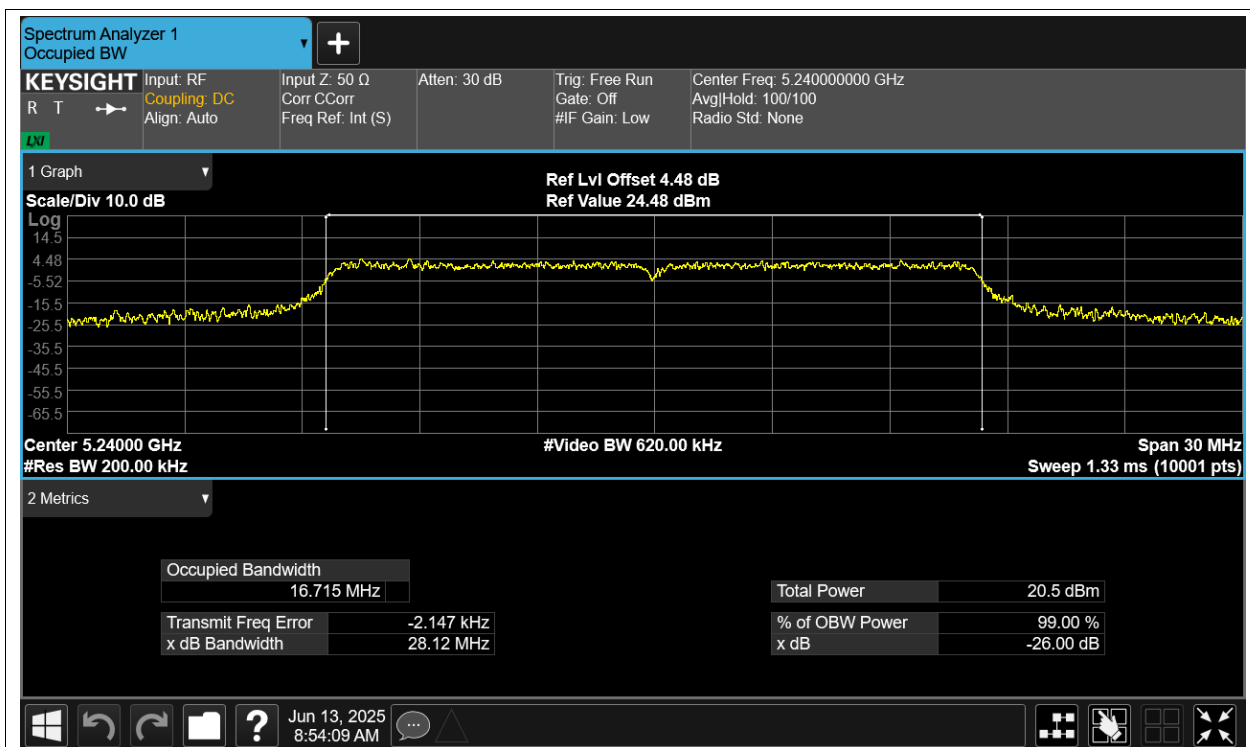
OBW NVNT a 5180MHz Ant1



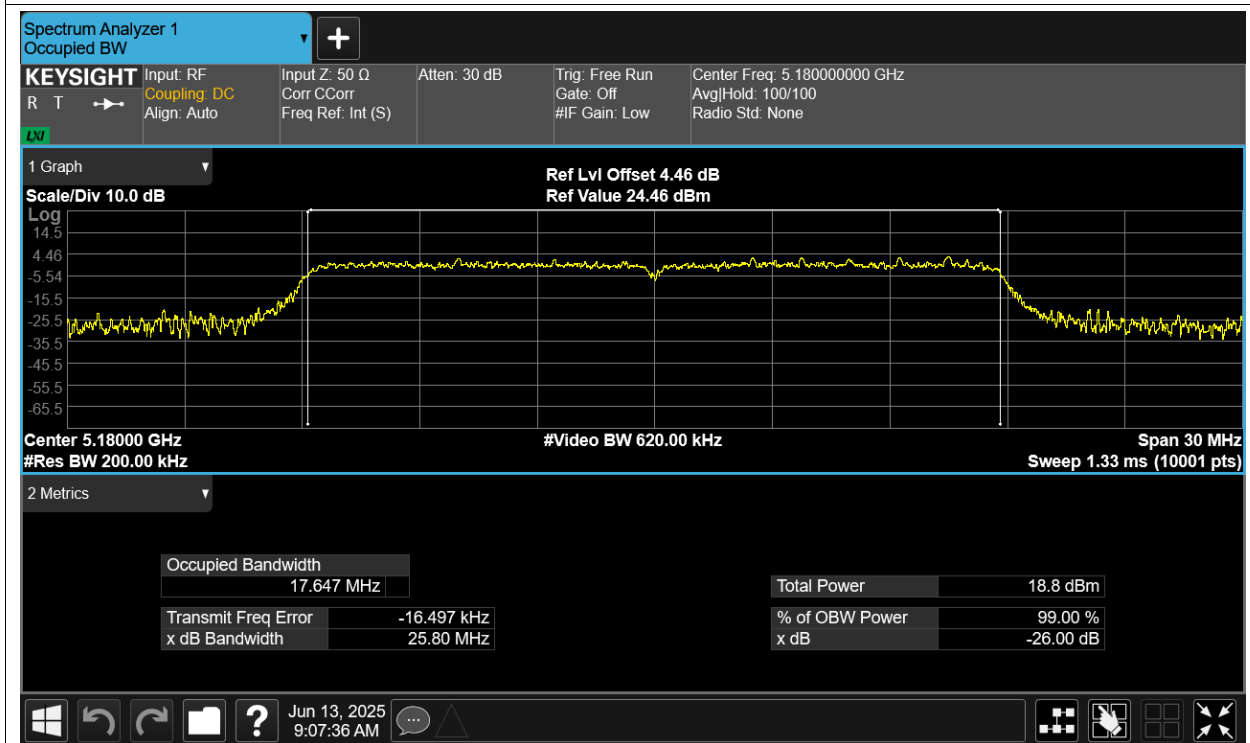
OBW NVNT a 5200MHz Ant1



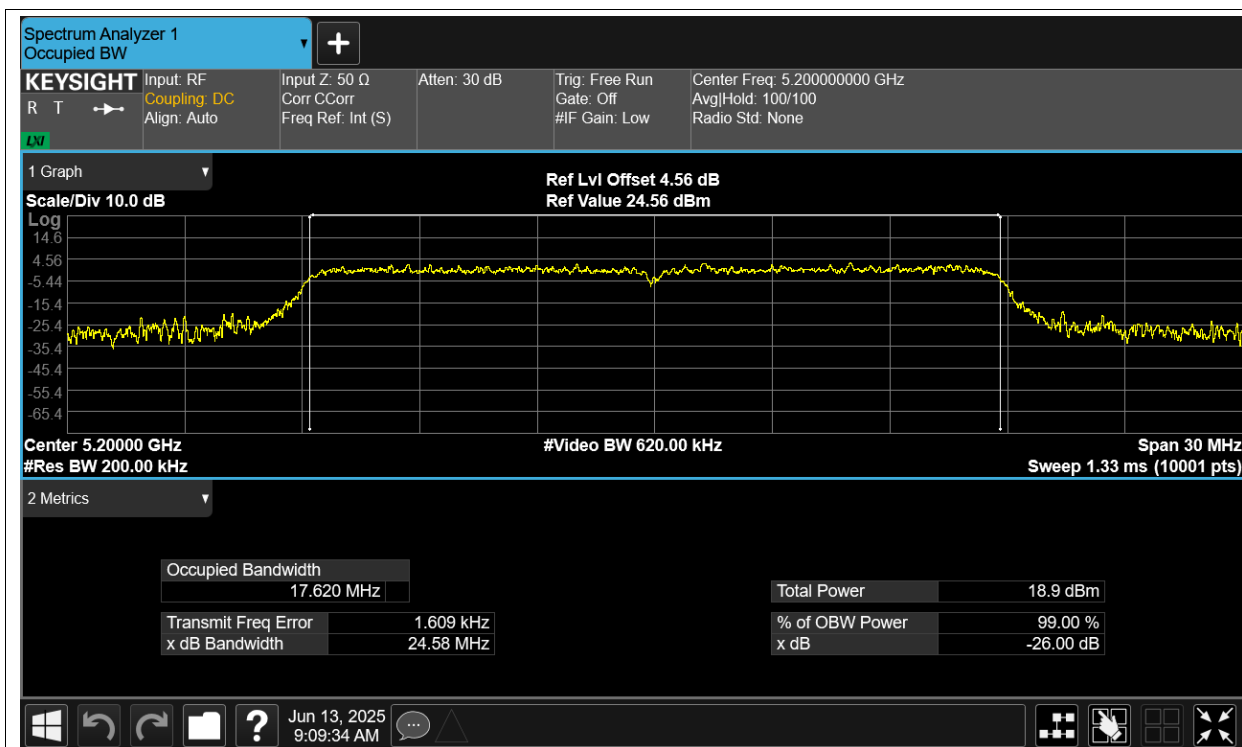
OBW NVNT a 5240MHz Ant1



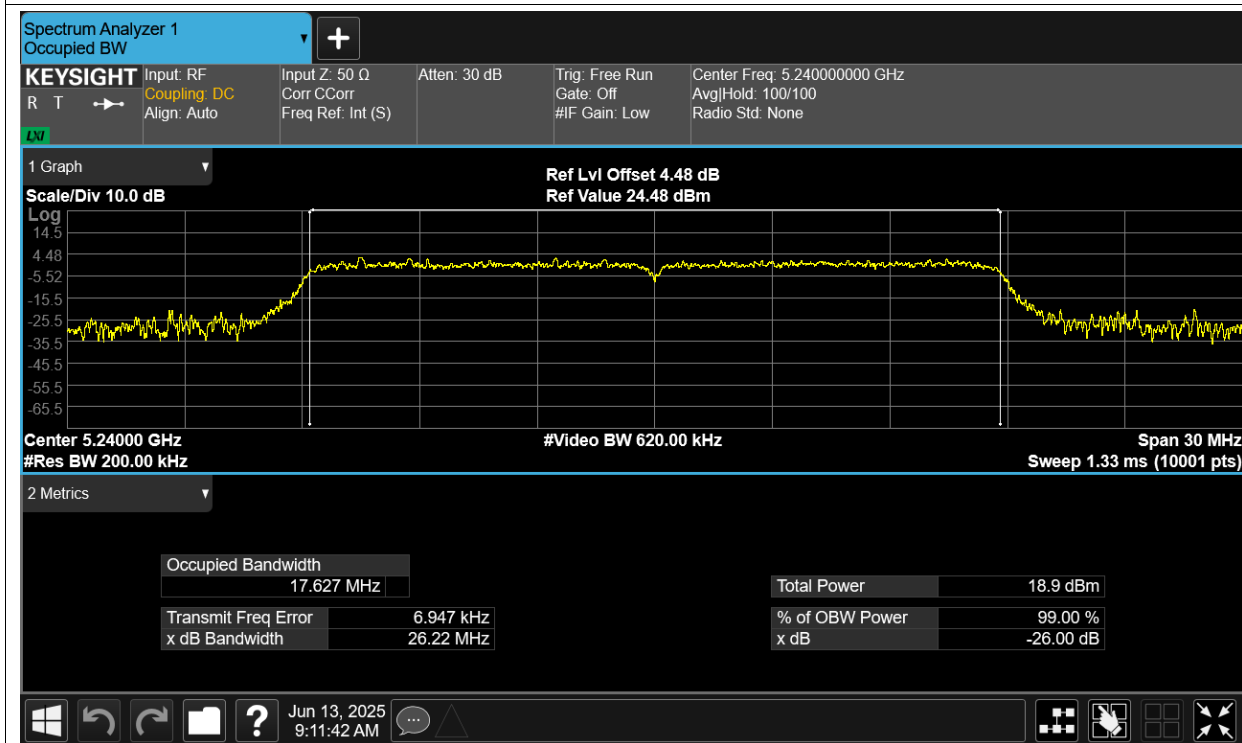
OBW NVNT ac20 5180MHz Ant1



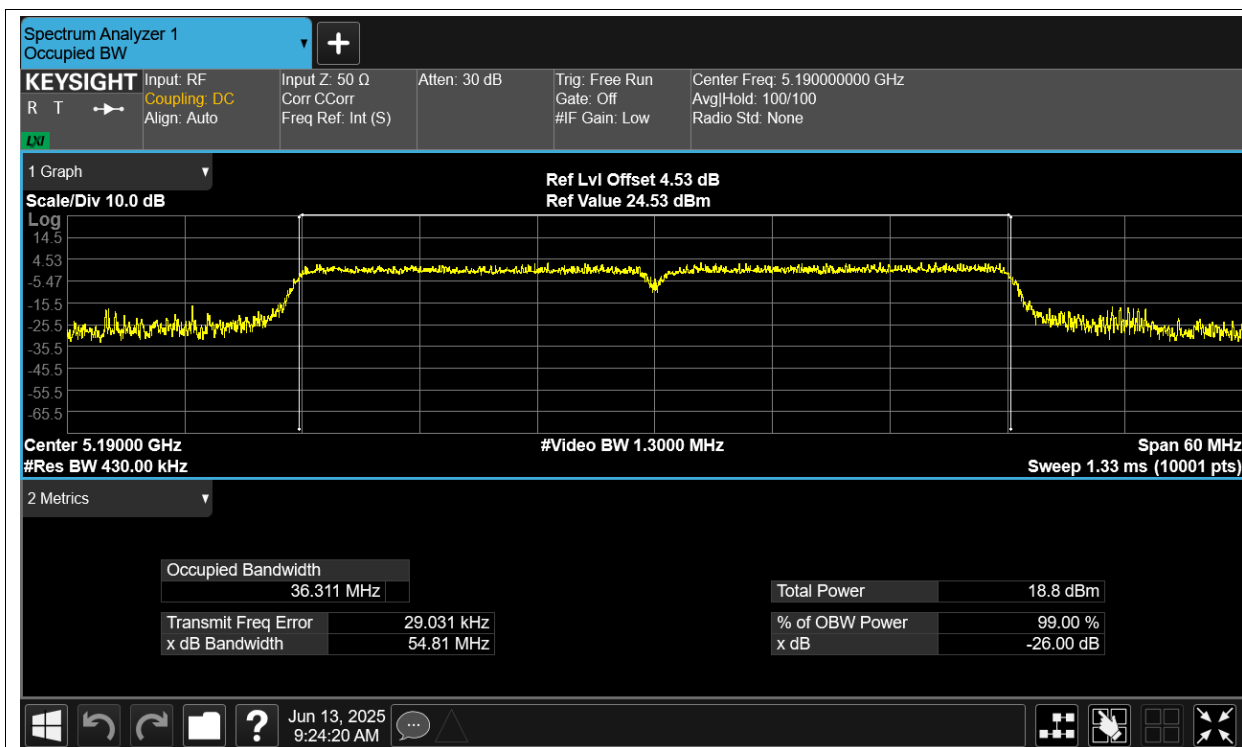
OBW NVNT ac20 5200MHz Ant1



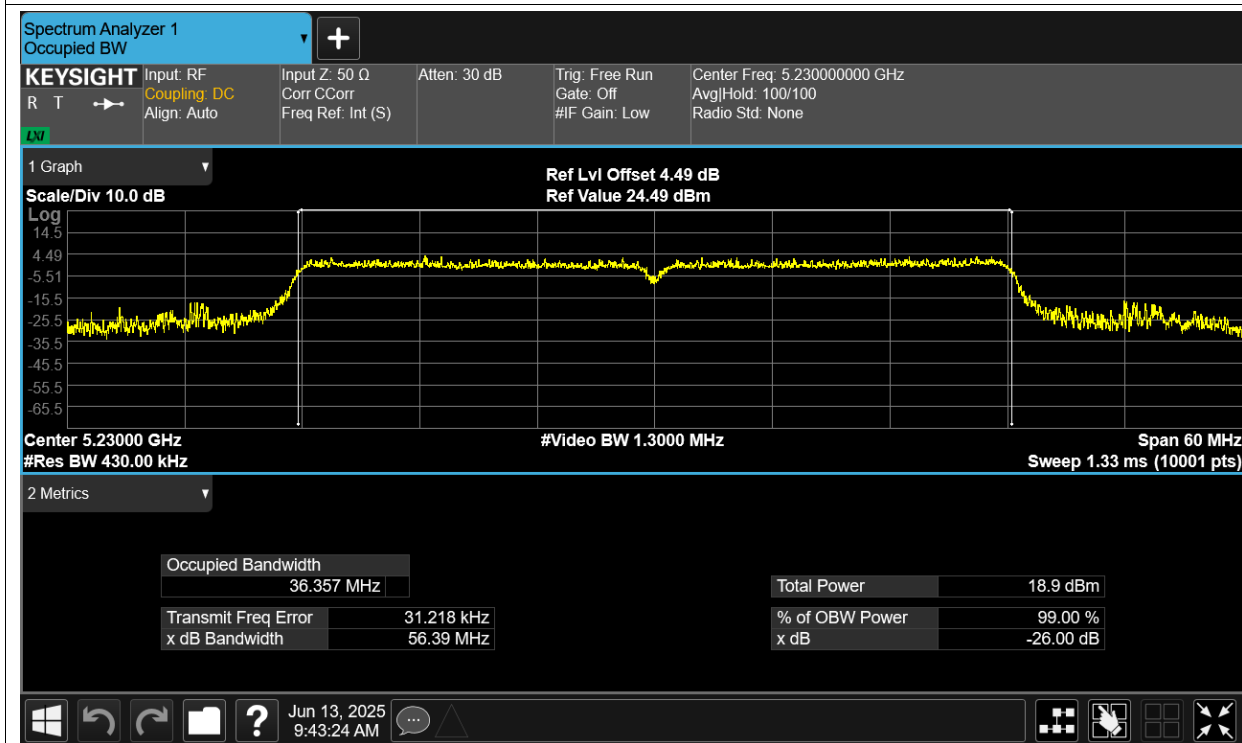
OBW NVNT ac20 5240MHz Ant1



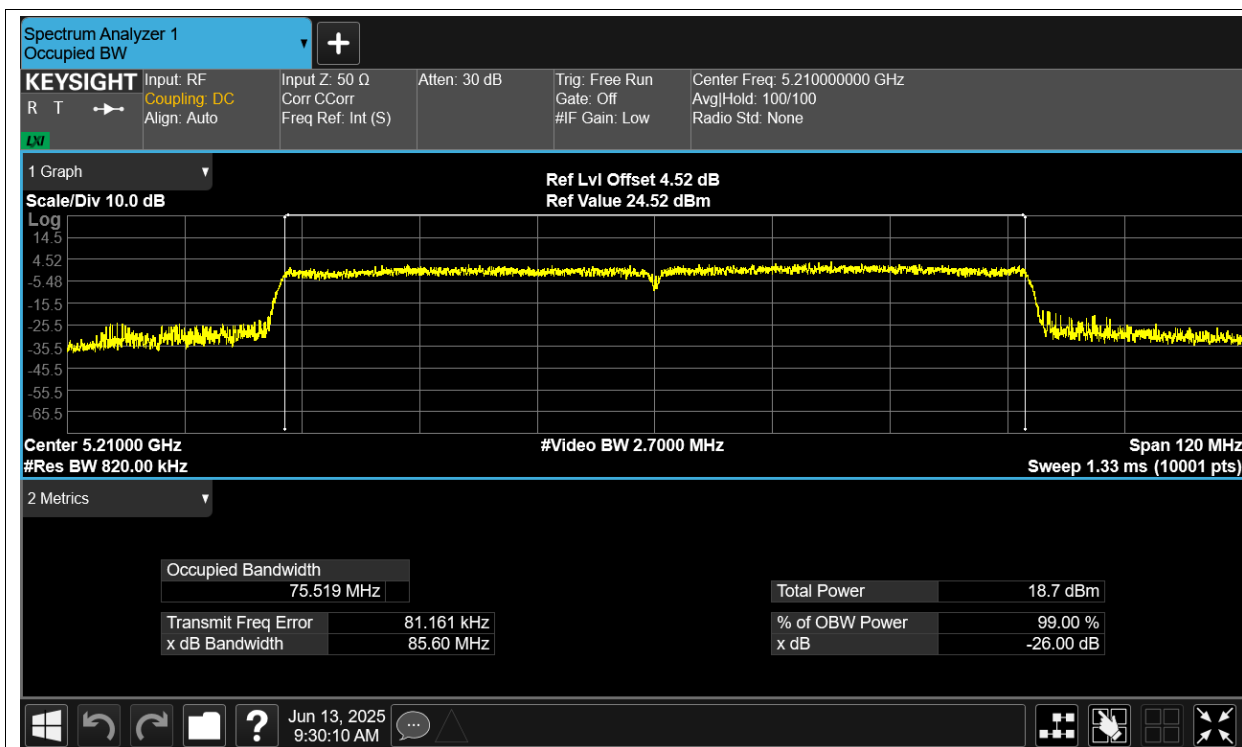
OBW NVNT ac40 5190MHz Ant1



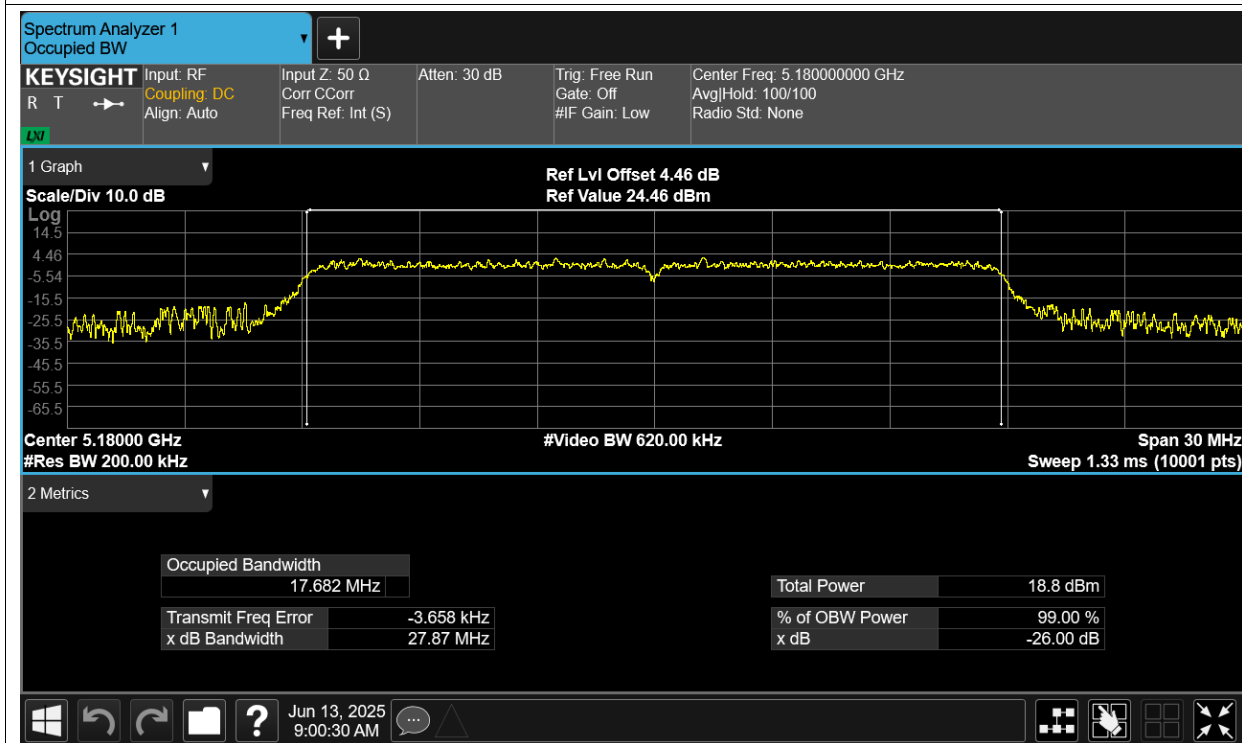
OBW NVNT ac40 5230MHz Ant1



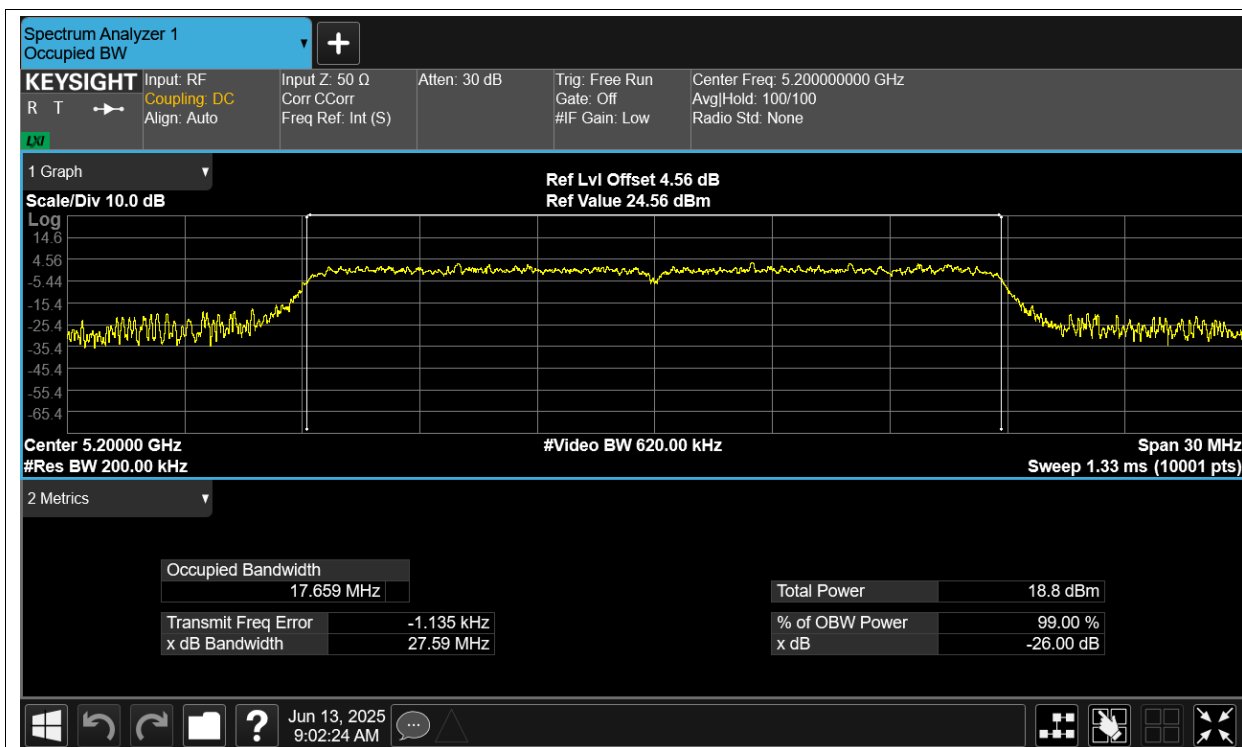
OBW NVNT ac80 5210MHz Ant1



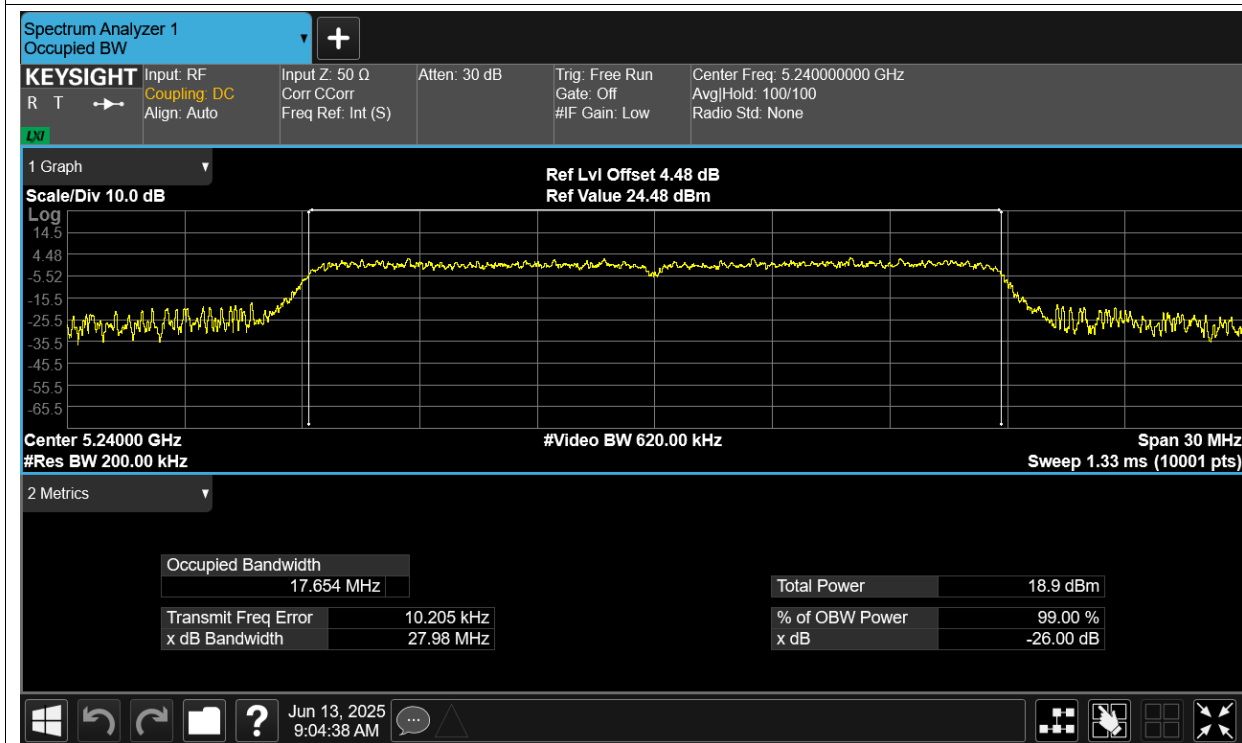
OBW NVNT n20 5180MHz Ant1



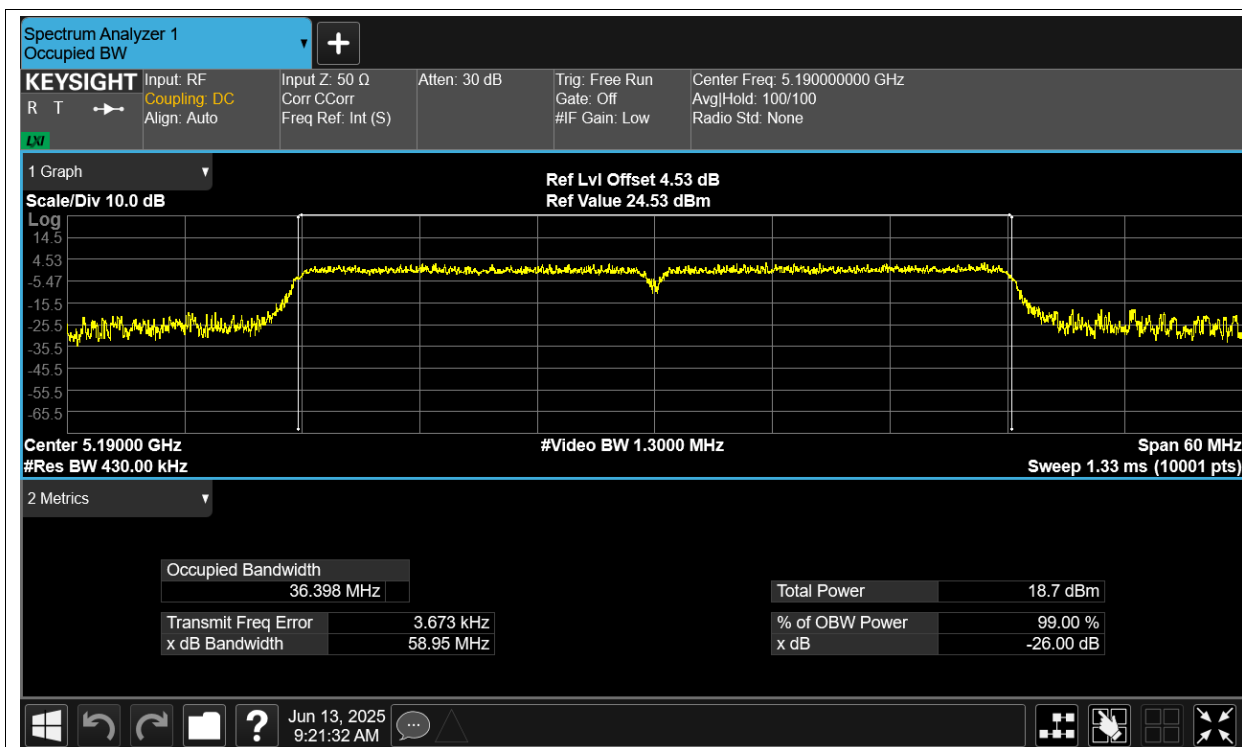
OBW NVNT n20 5200MHz Ant1



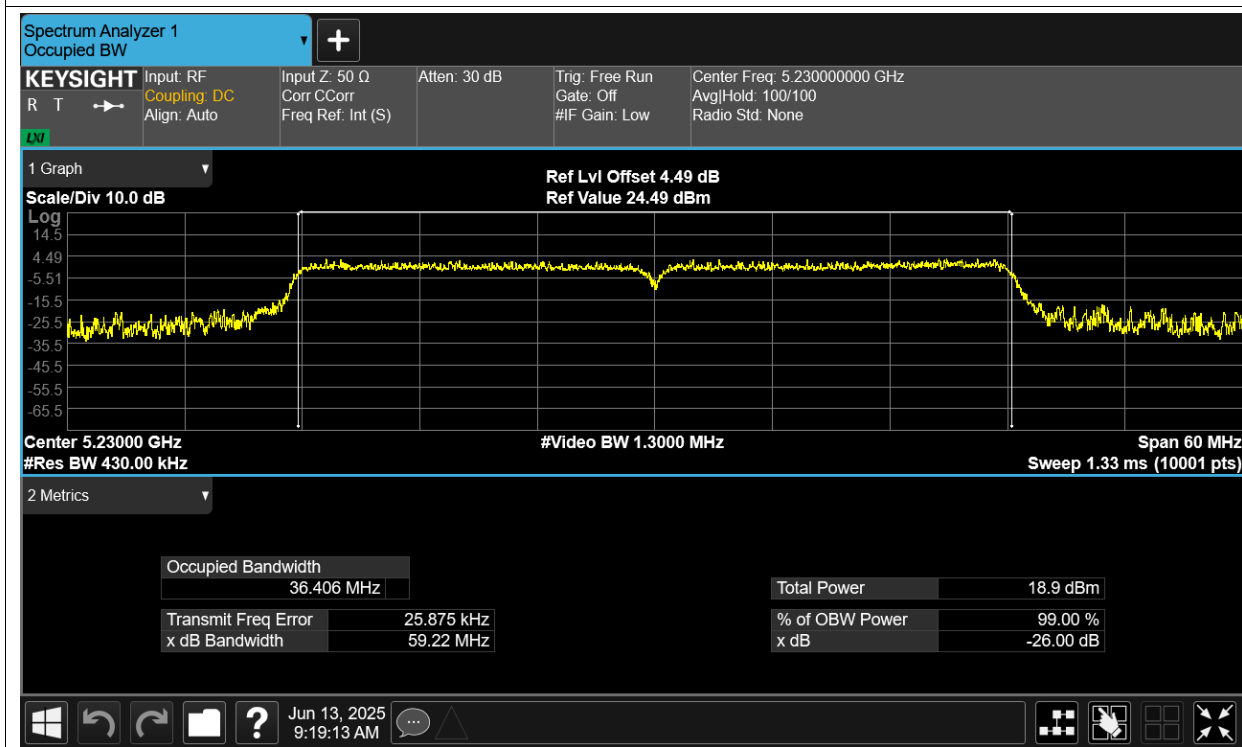
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

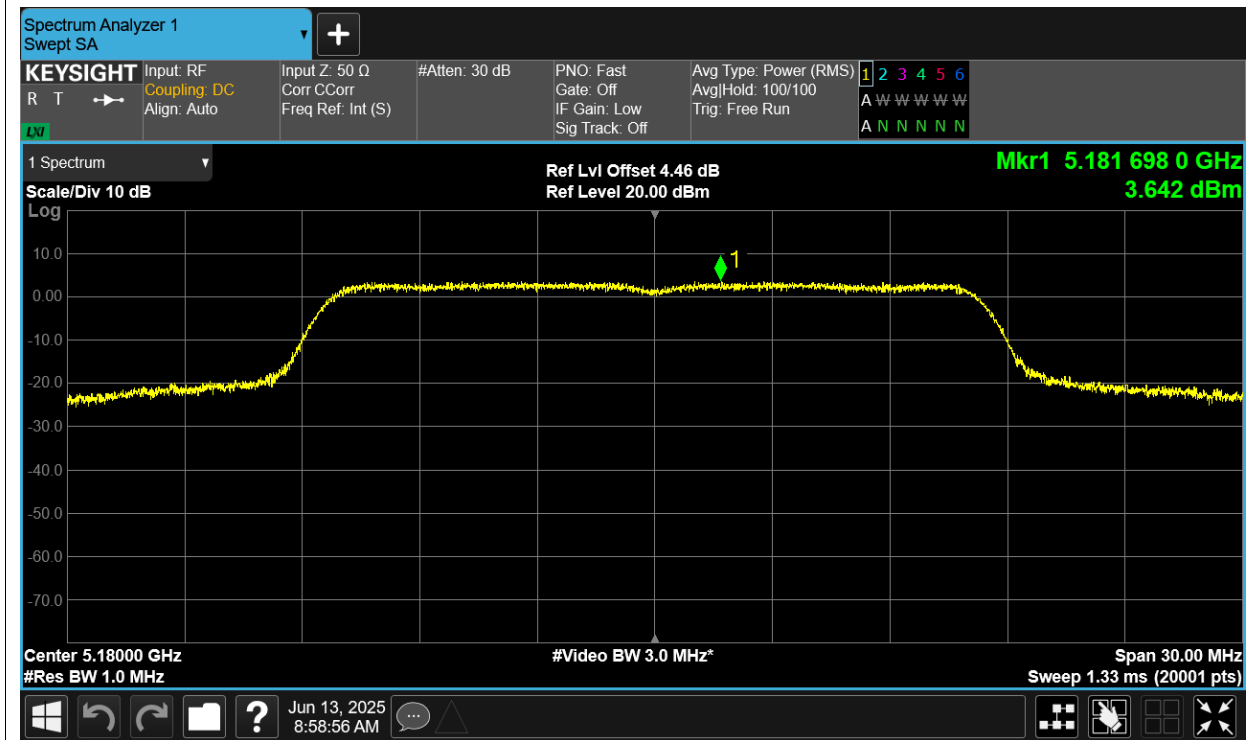


Maximum Power Spectral Density Level

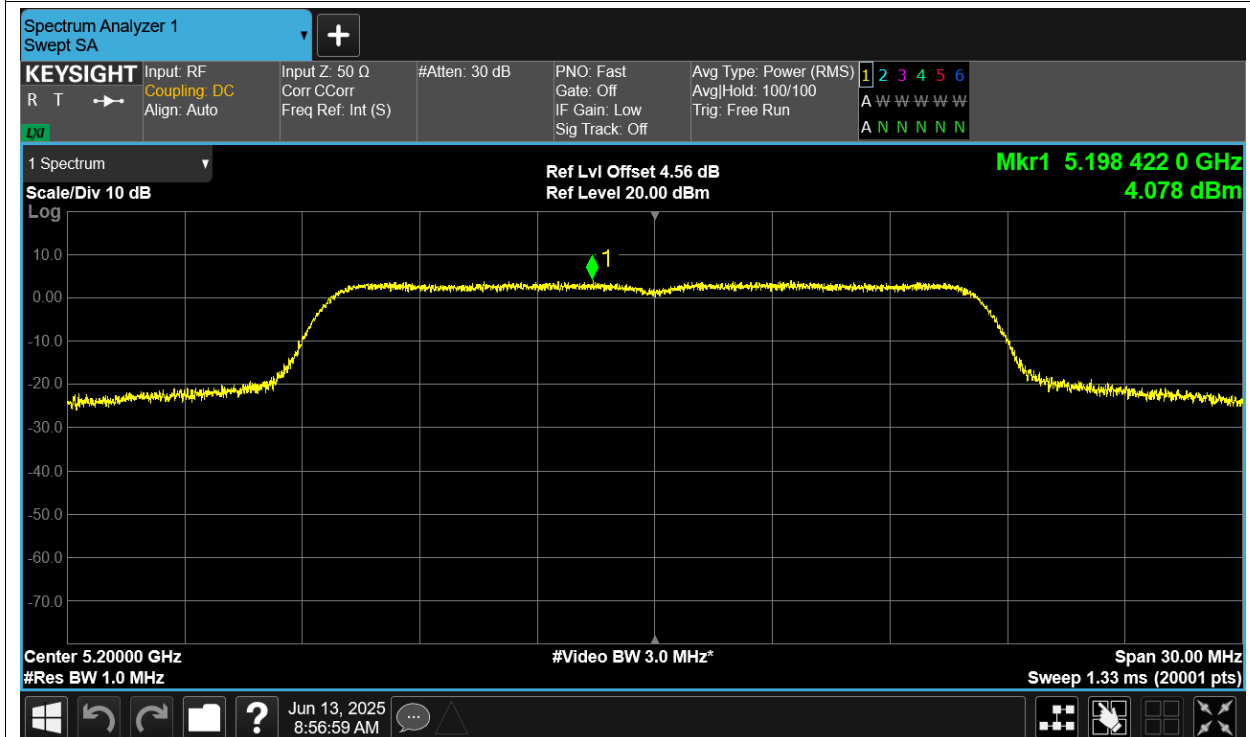
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	3.642	11	Pass
NVNT	a	5200	Ant1	4.078	11	Pass
NVNT	a	5240	Ant1	4.211	11	Pass
NVNT	ac20	5180	Ant1	2.096	11	Pass
NVNT	ac20	5200	Ant1	2.211	11	Pass
NVNT	ac20	5240	Ant1	2.449	11	Pass
NVNT	ac40	5190	Ant1	-1.218	11	Pass
NVNT	ac40	5230	Ant1	-0.506	11	Pass
NVNT	ac80	5210	Ant1	-4.867	11	Pass
NVNT	n20	5180	Ant1	1.935	11	Pass
NVNT	n20	5200	Ant1	2.477	11	Pass
NVNT	n20	5240	Ant1	2.507	11	Pass
NVNT	n40	5190	Ant1	-0.751	11	Pass
NVNT	n40	5230	Ant1	-0.725	11	Pass

Test Graphs

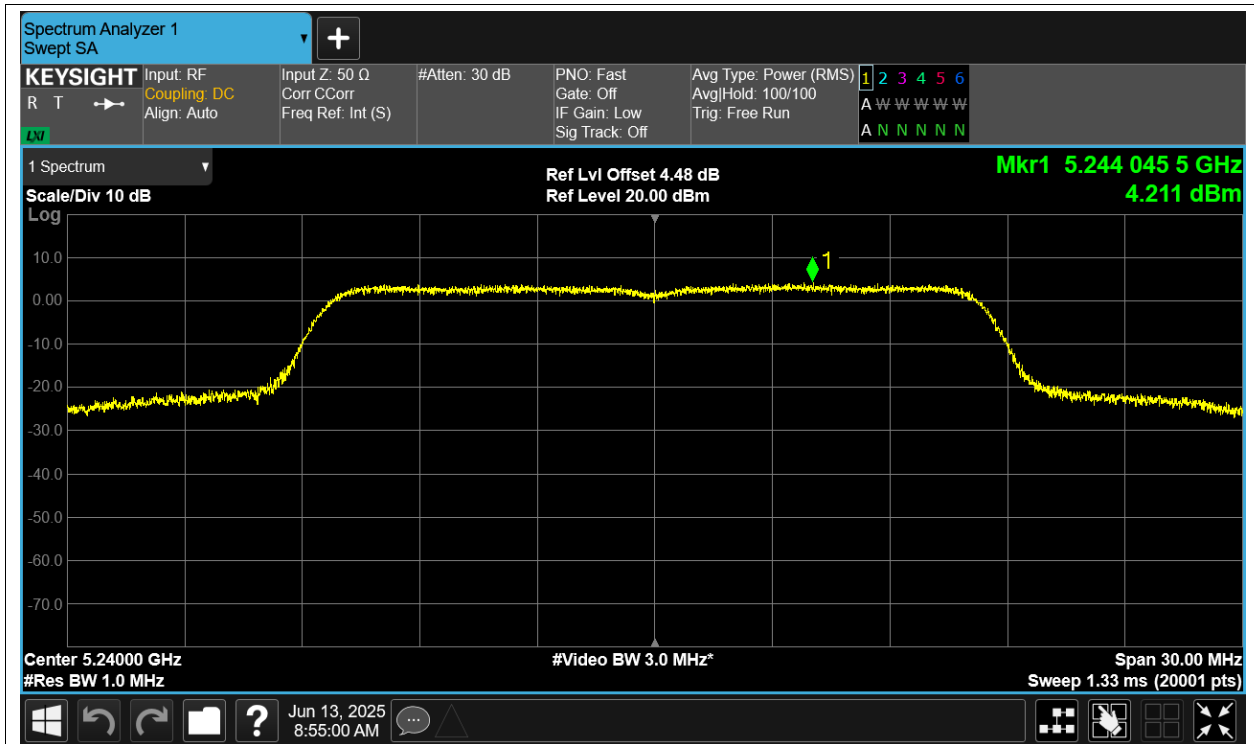
PSD NVNT a 5180MHz Ant1



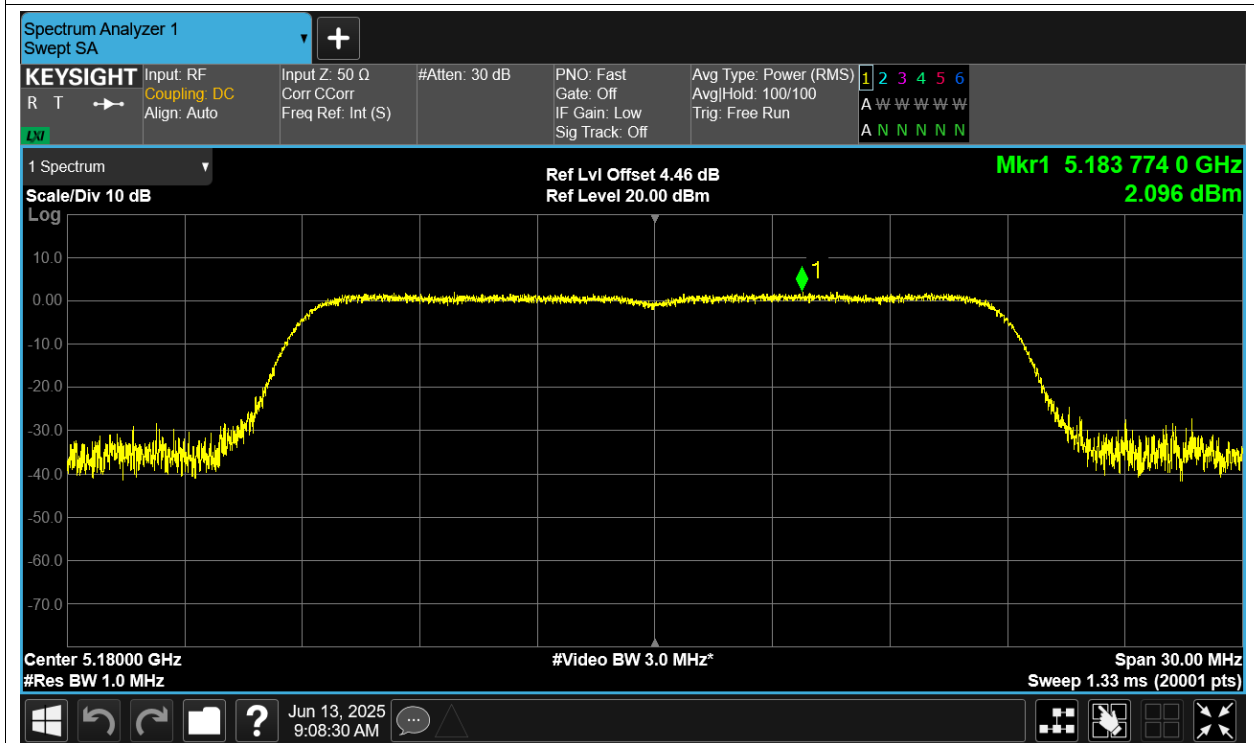
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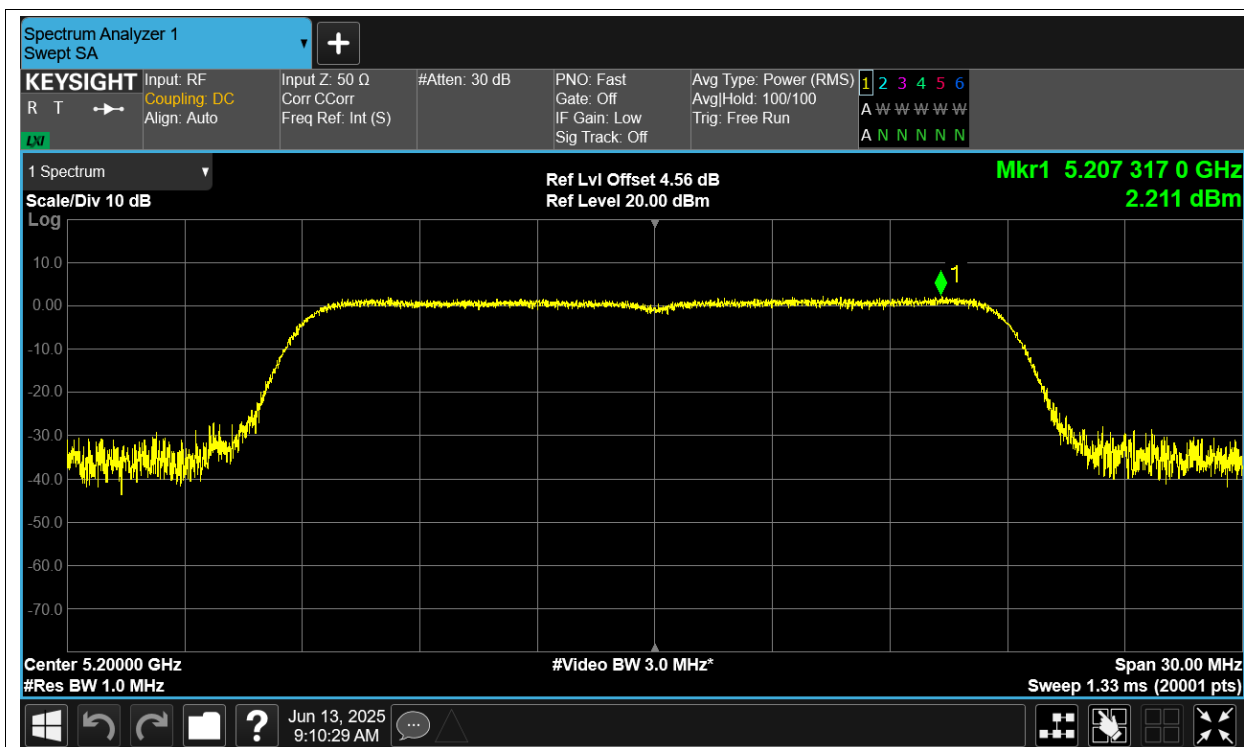
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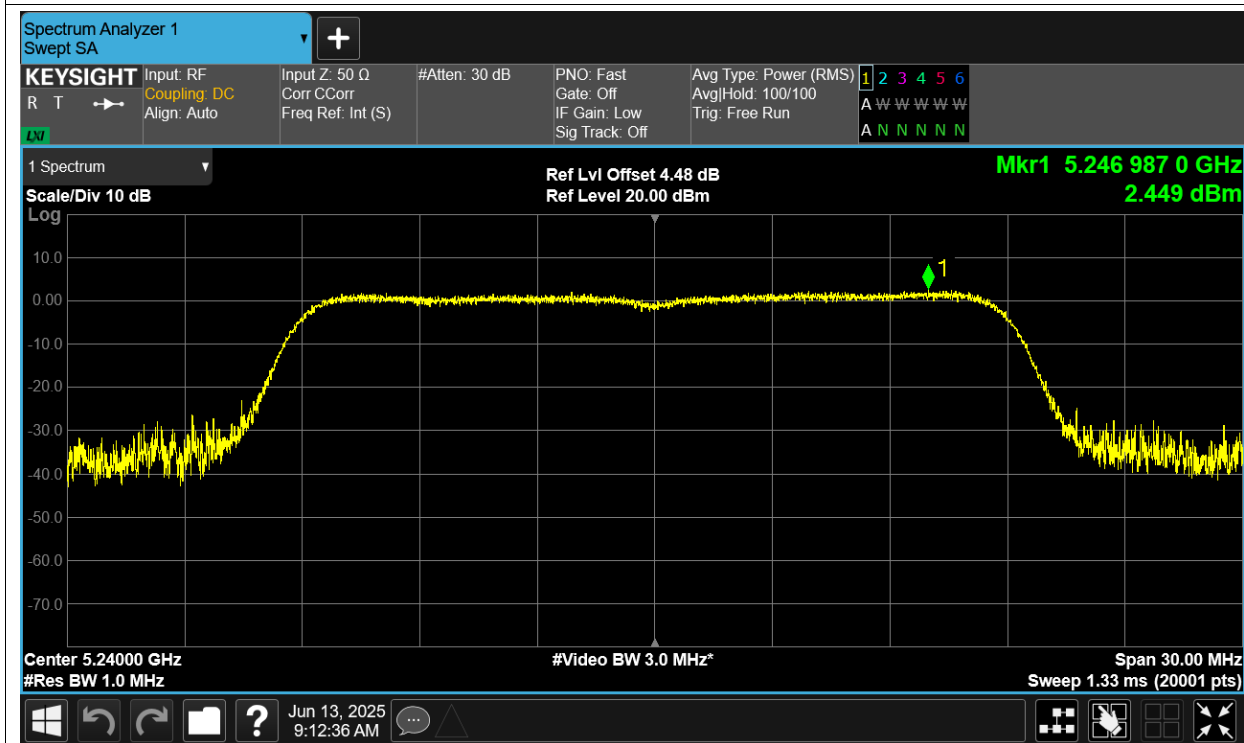
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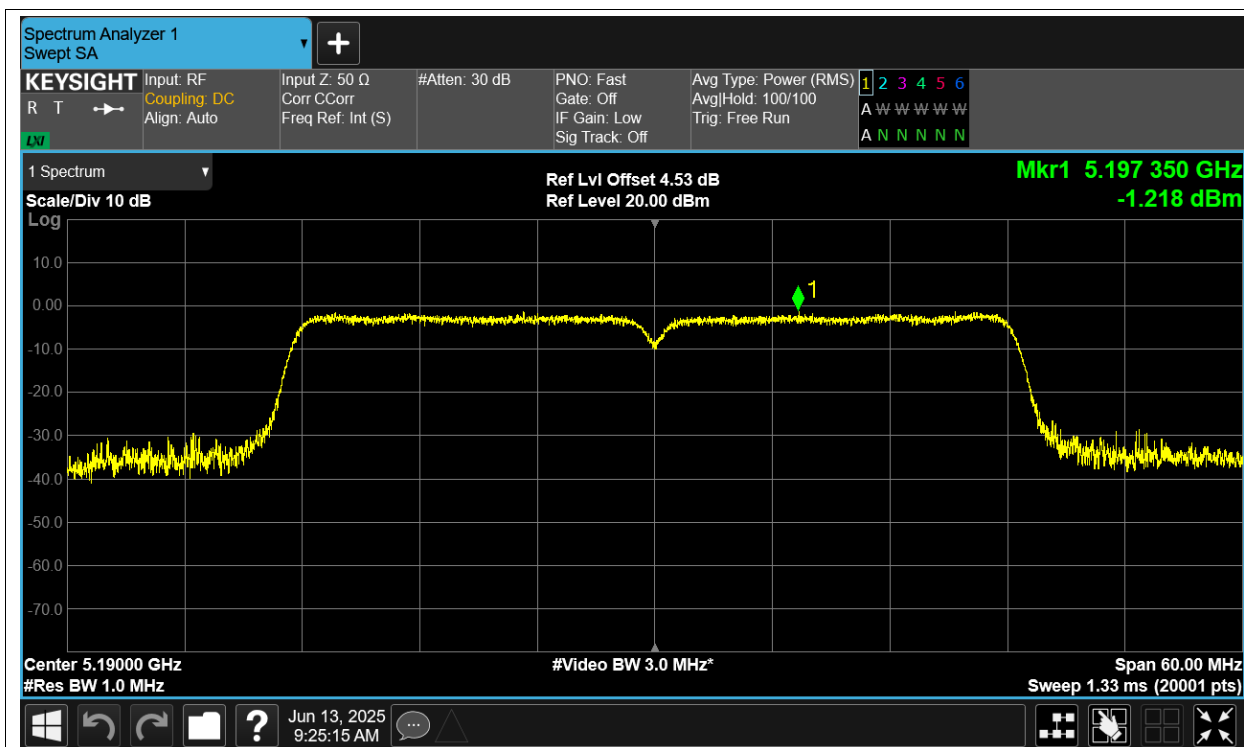
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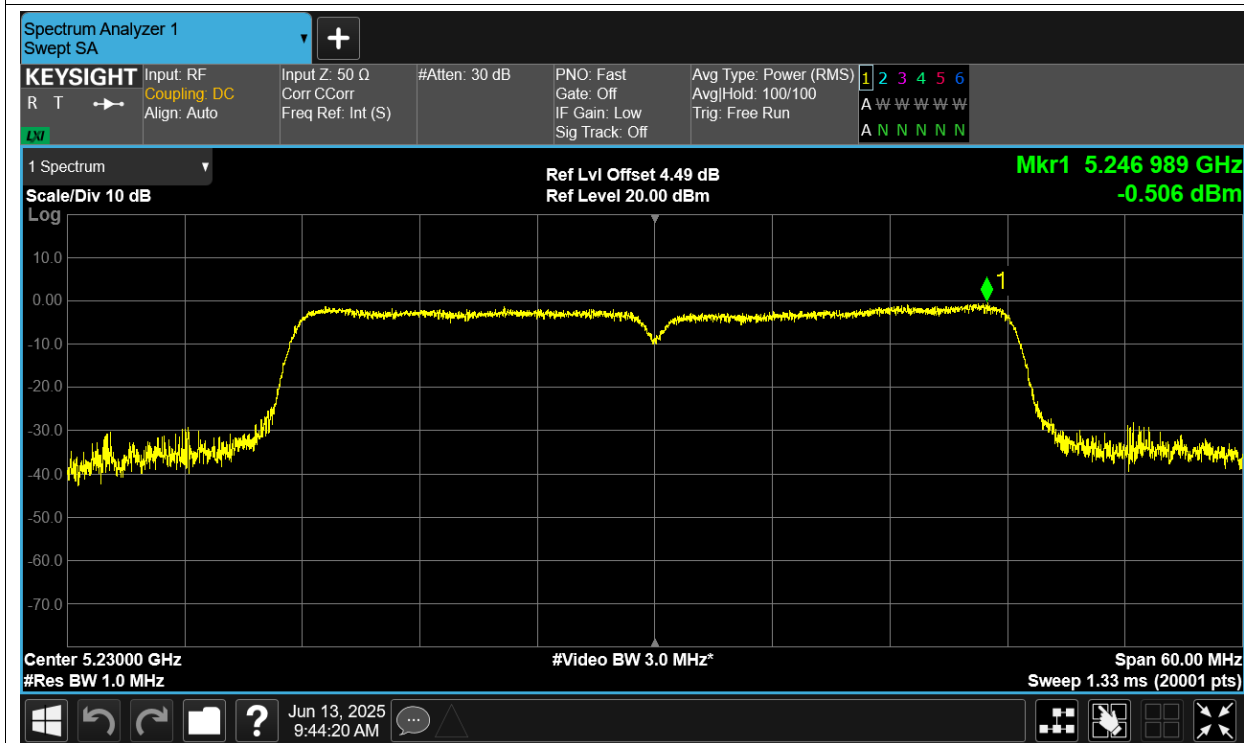
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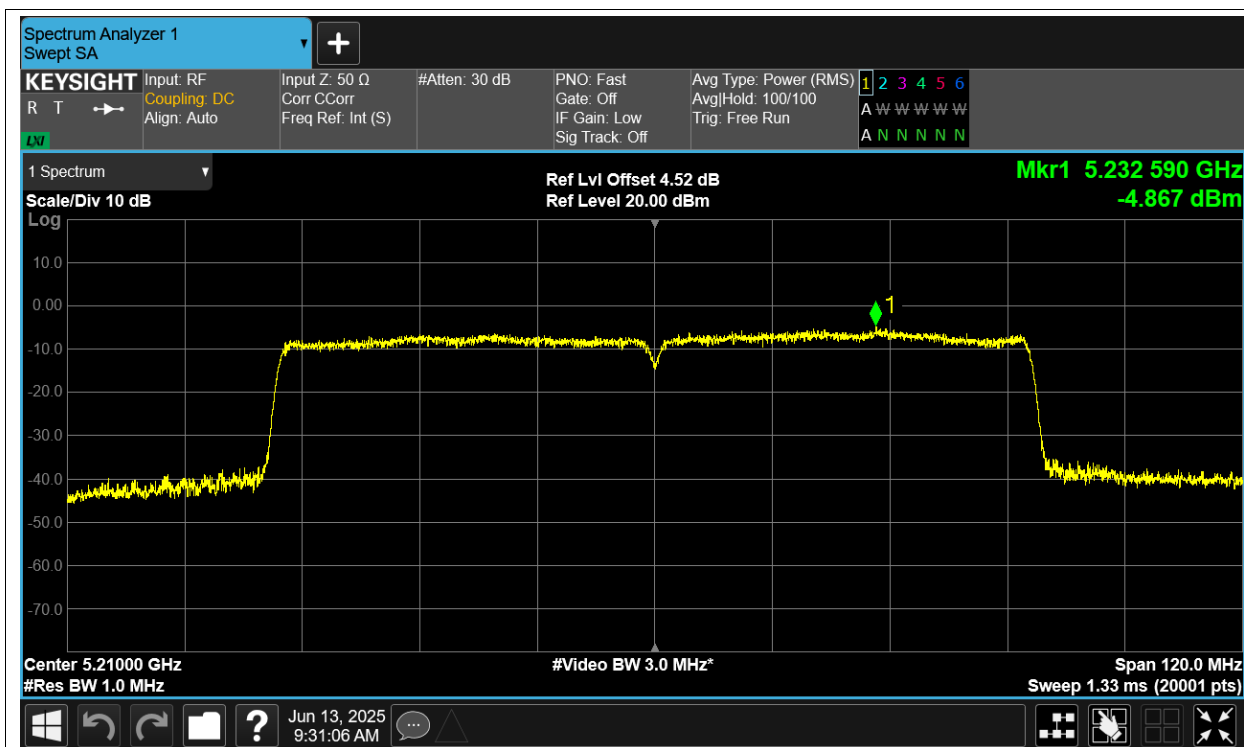
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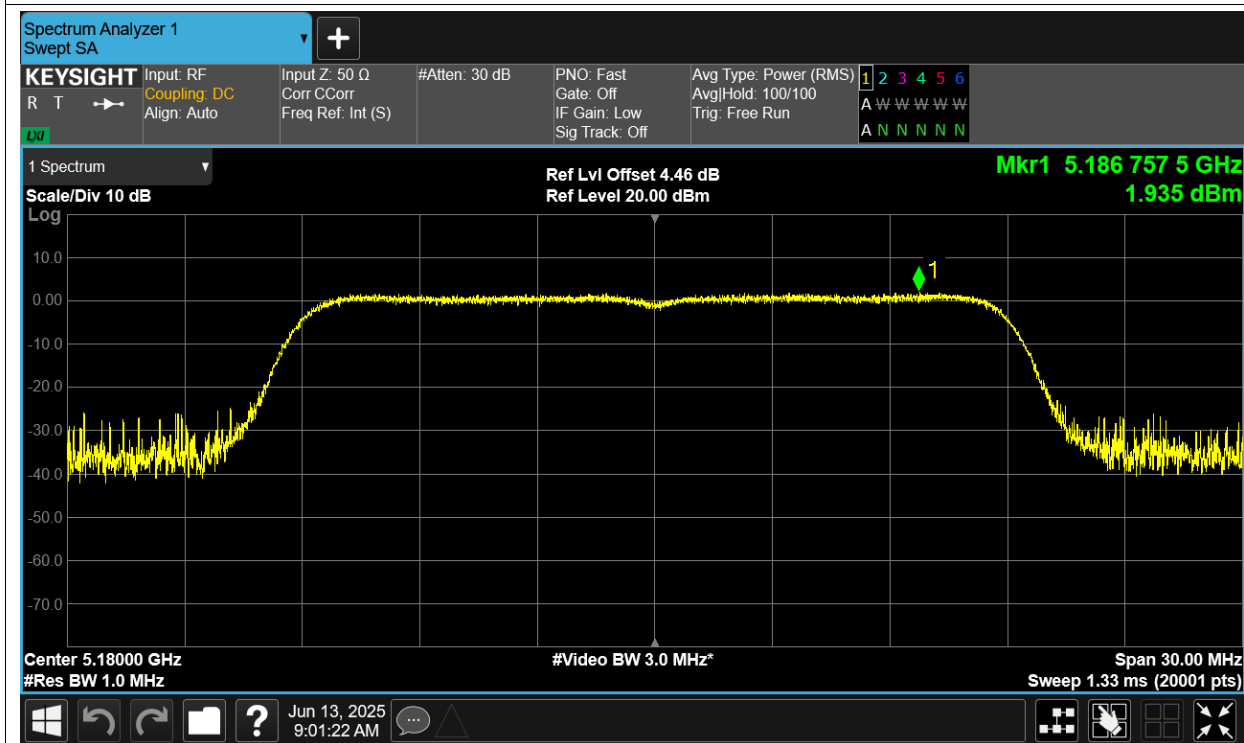
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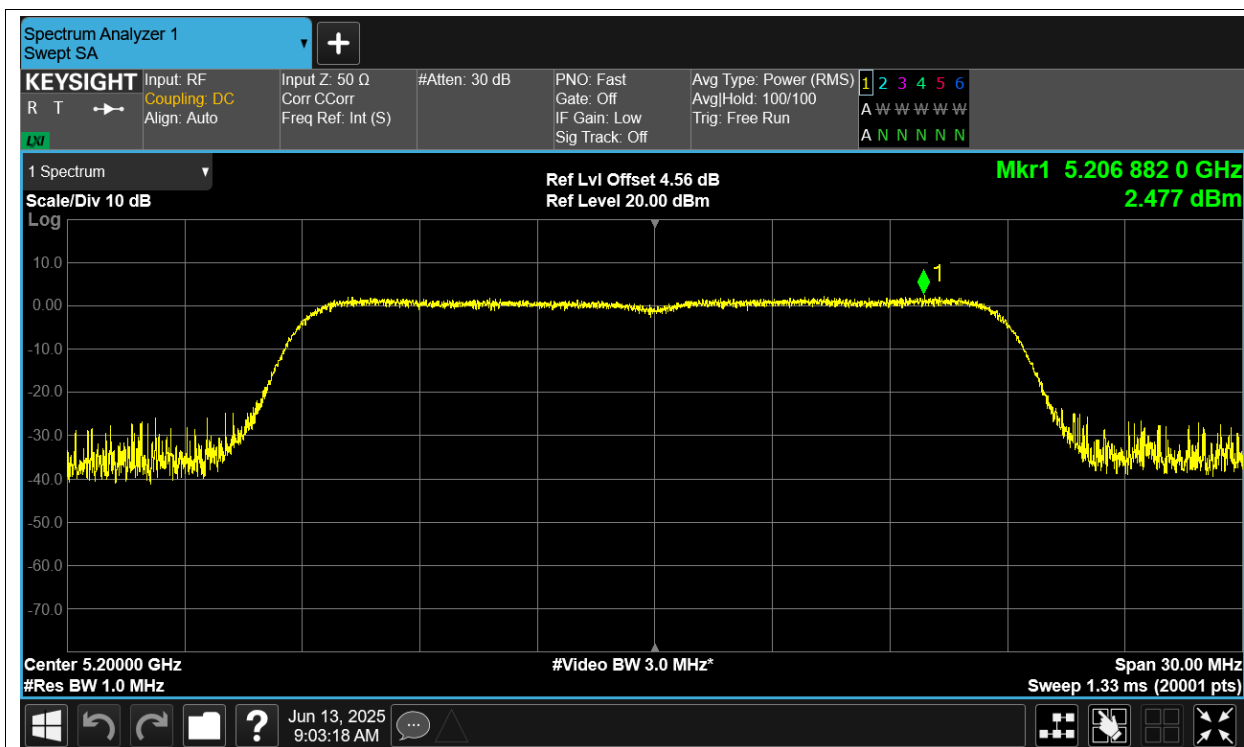
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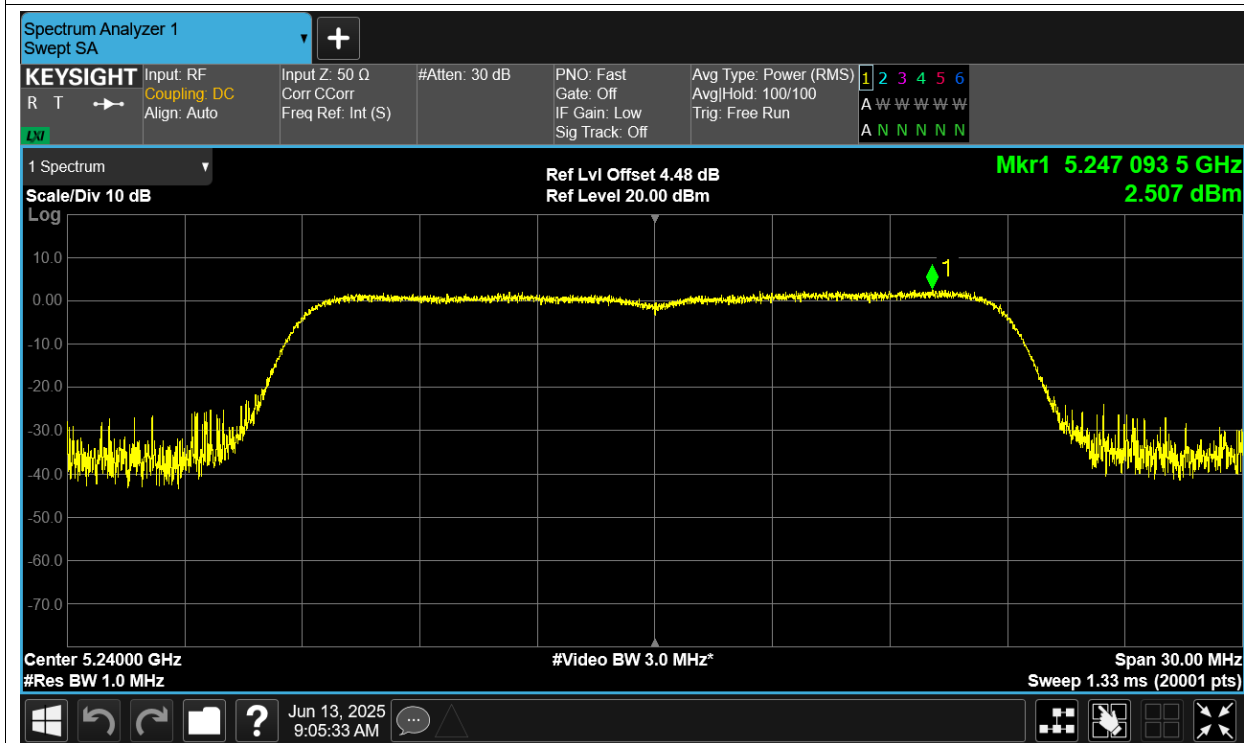
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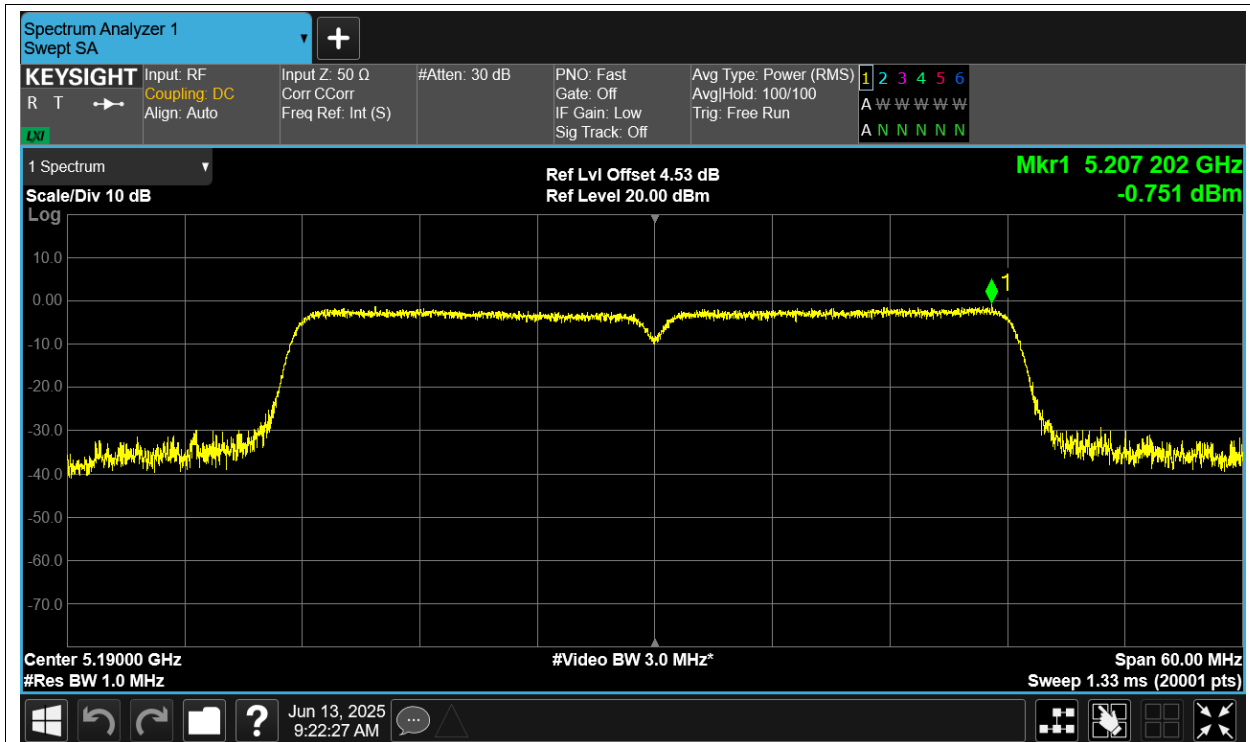
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

