

Test Data

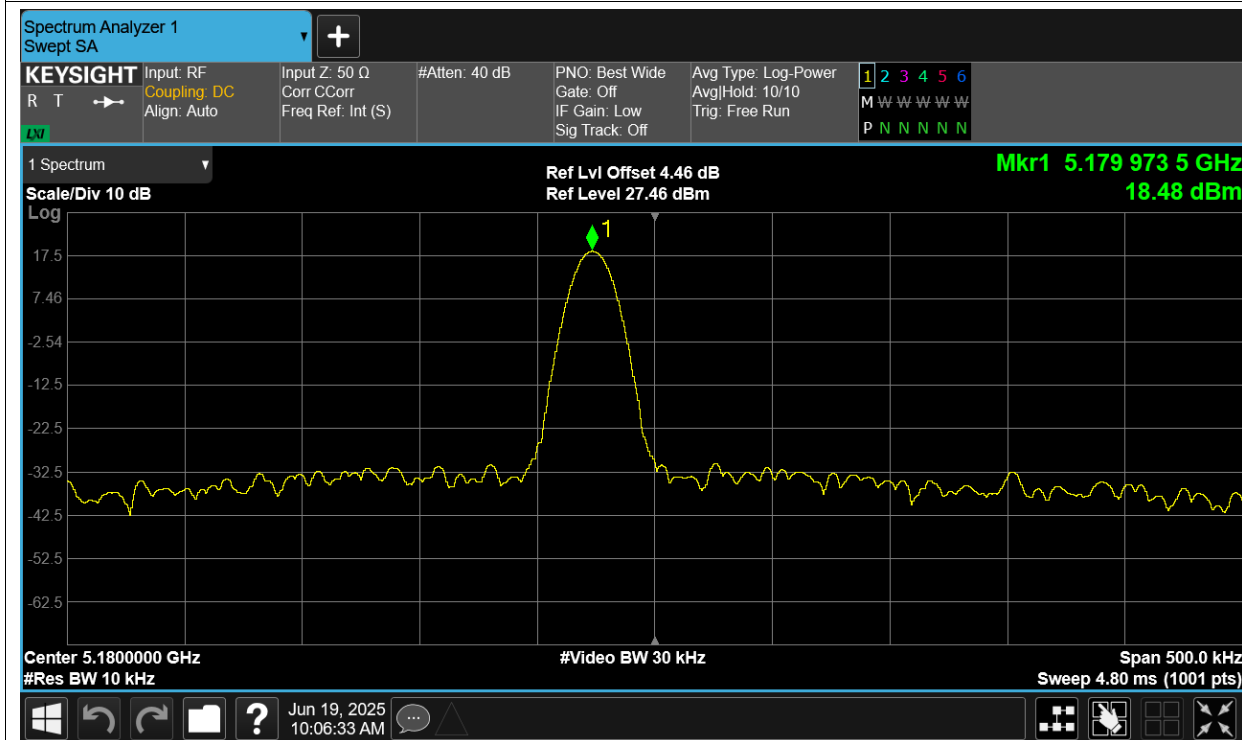
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9735	-5.12	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9735	-5.12		Pass
NVHT	a	5180	Ant1	5179.9735	-5.12		Pass
NVLT	a	5180	Ant1	5179.9735	-5.12		Pass
NVNT	a	5180	Ant1	5179.973	-5.21		Pass
HVNT	ac80	5210	Ant1	5209.975	-4.8		Pass
LVNT	ac80	5210	Ant1	5209.975	-4.8		Pass
NVHT	ac80	5210	Ant1	5209.9745	-4.89		Pass
NVLT	ac80	5210	Ant1	5209.9745	-4.89		Pass
NVNT	ac80	5210	Ant1	5209.974825523	-4.83		Pass
HVNT	n40	5190	Ant1	5189.974	-5.01		Pass
LVNT	n40	5190	Ant1	5189.974	-5.01		Pass
NVHT	n40	5190	Ant1	5189.974	-5.01		Pass
NVLT	n40	5190	Ant1	5189.974	-5.01		Pass
NVNT	n40	5190	Ant1	5189.974	-5.01		Pass

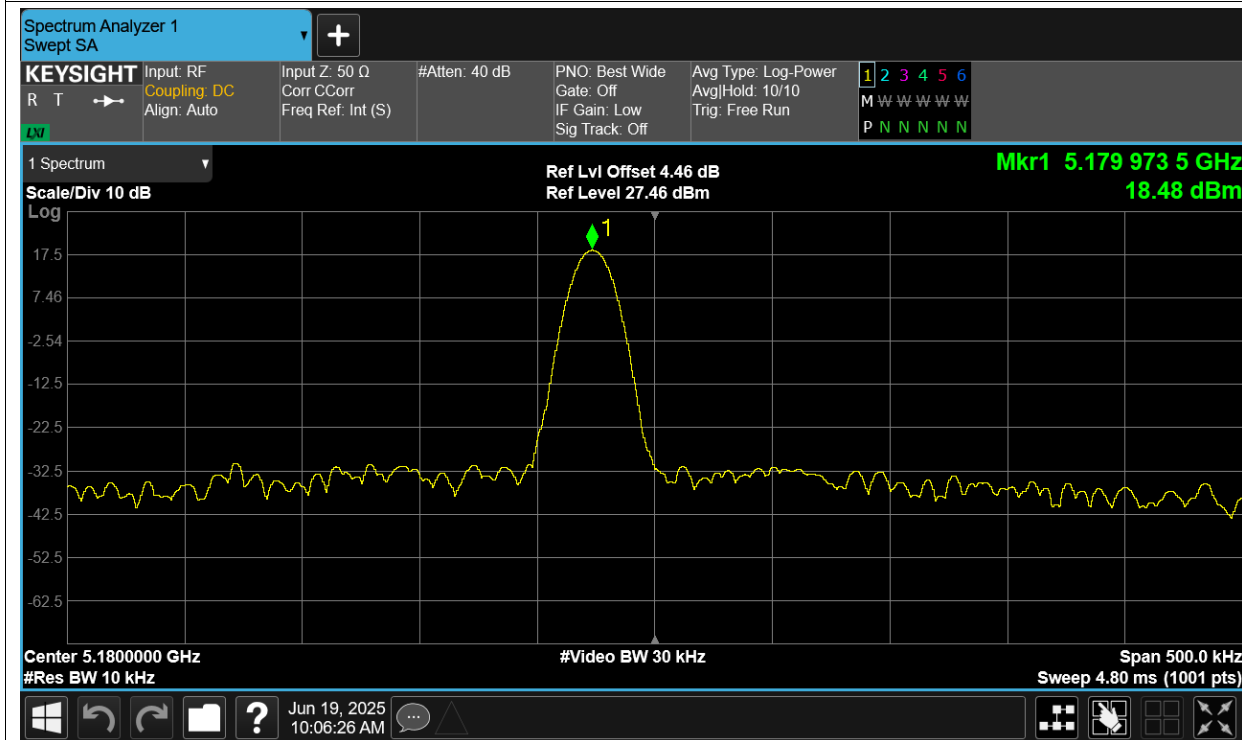
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

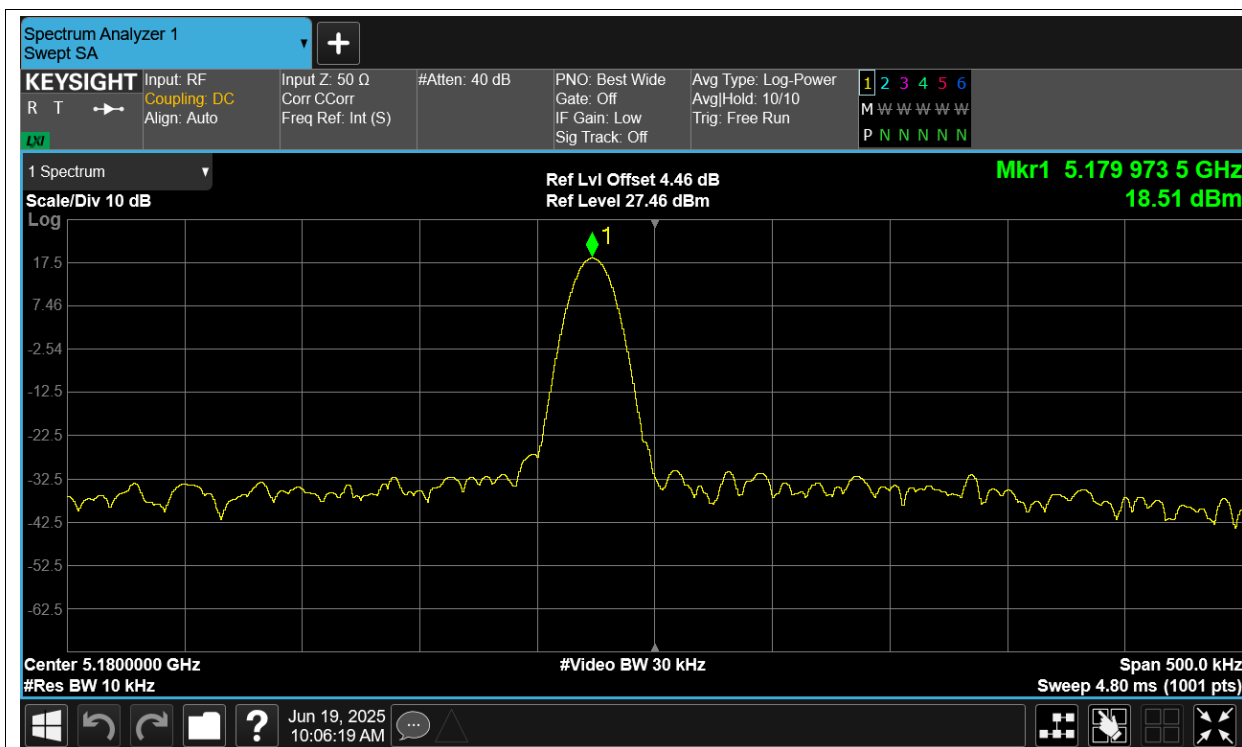
Freq. Stability HVNT a 5180MHz Ant1



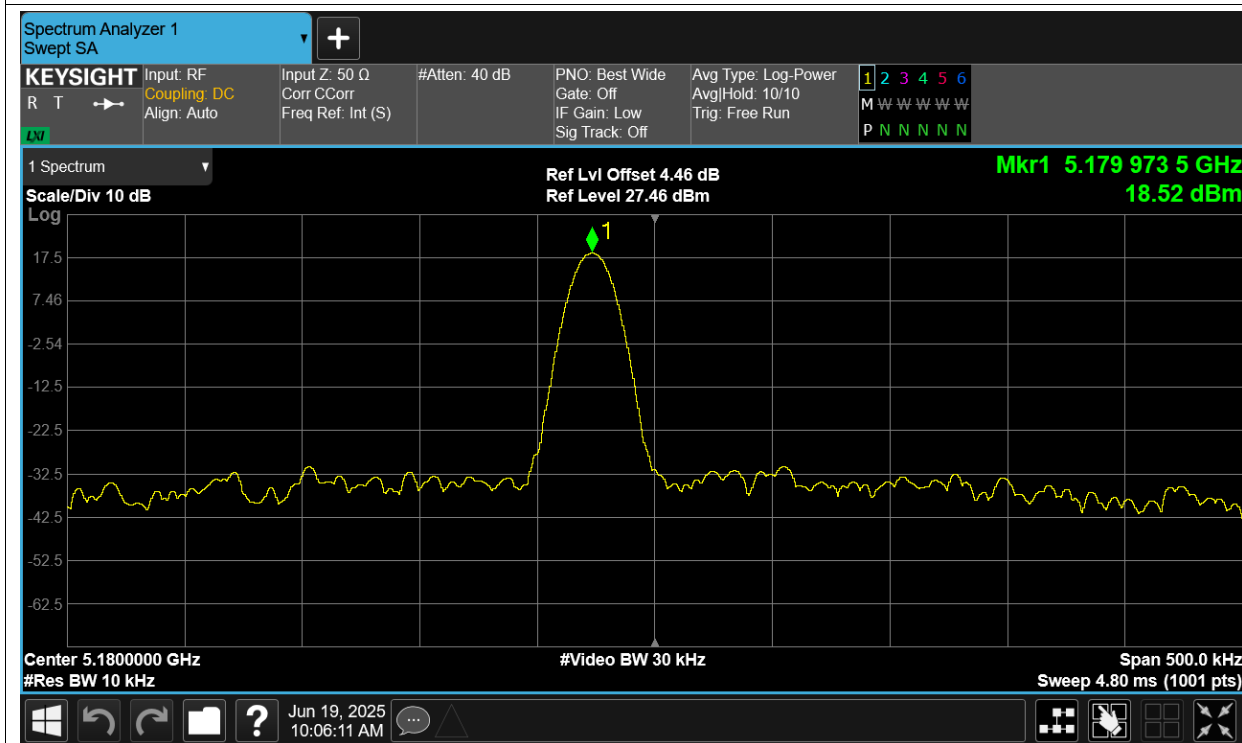
Freq. Stability LVNT a 5180MHz Ant1



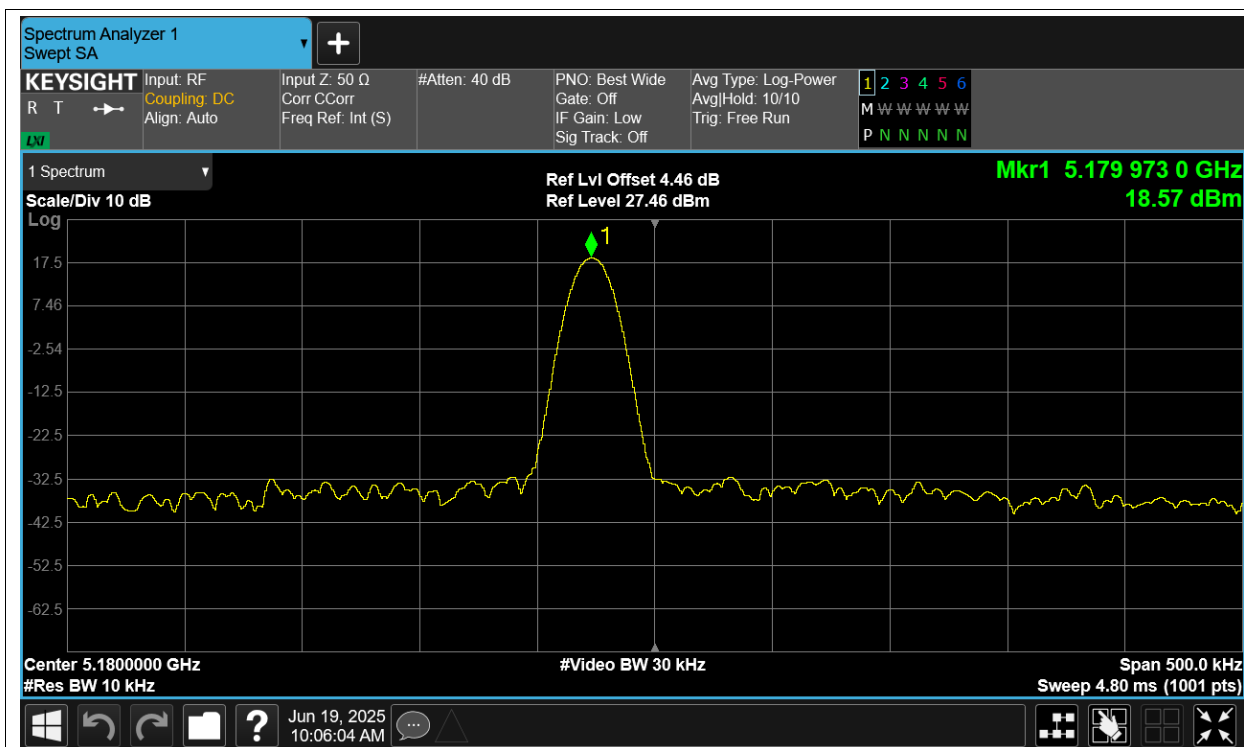
Freq. Stability NVHT a 5180MHz Ant1



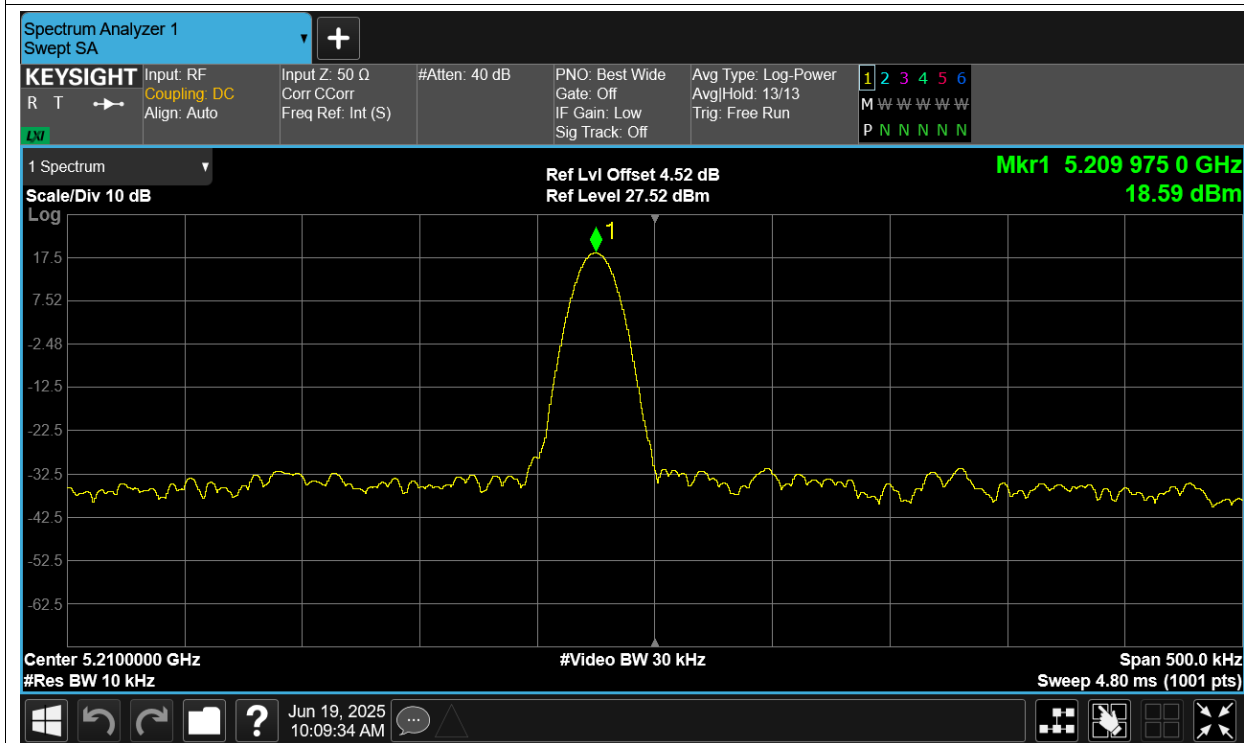
Freq. Stability NVLT a 5180MHz Ant1



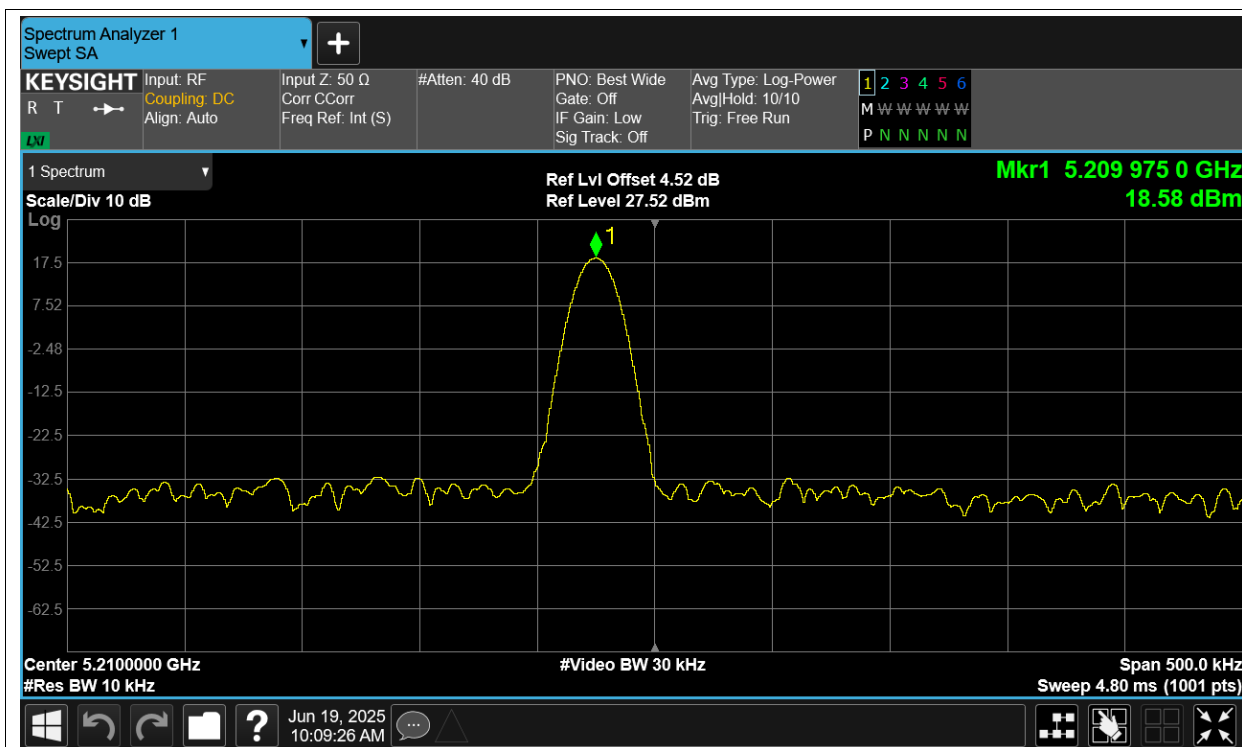
Freq. Stability NVNT a 5180MHz Ant1



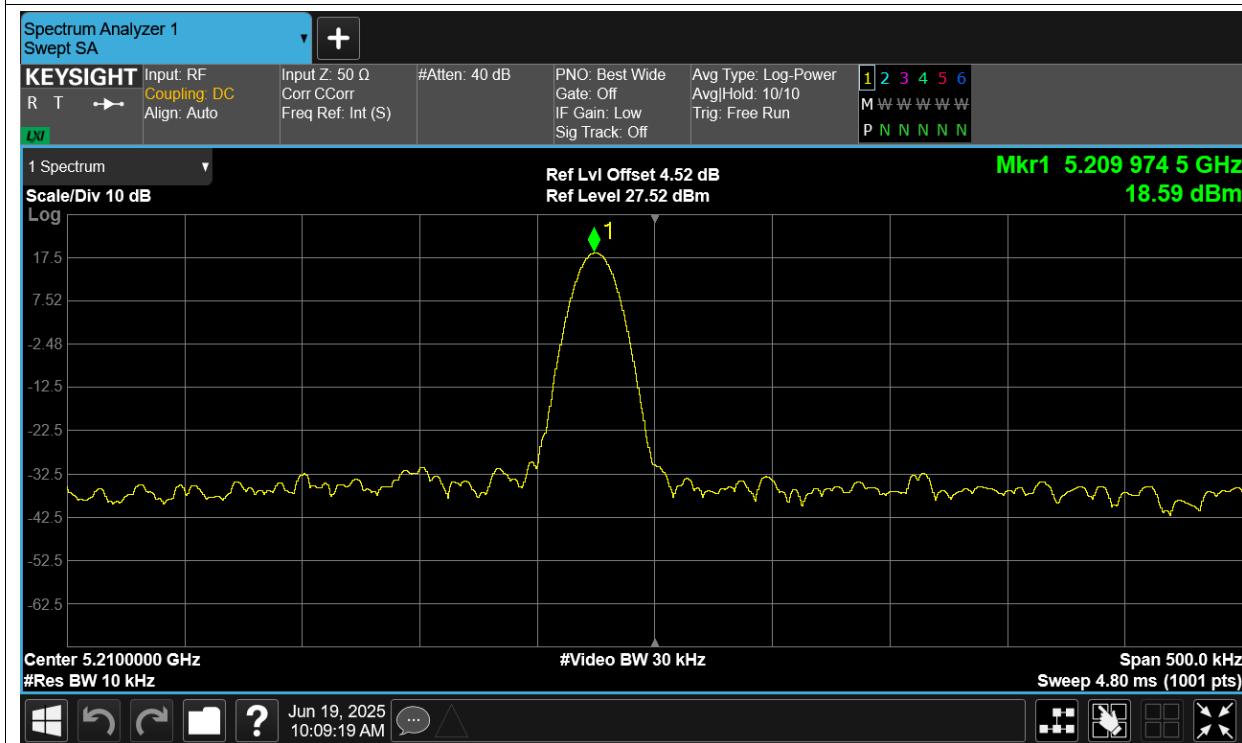
Freq. Stability HVNT ac80 5210MHz Ant1



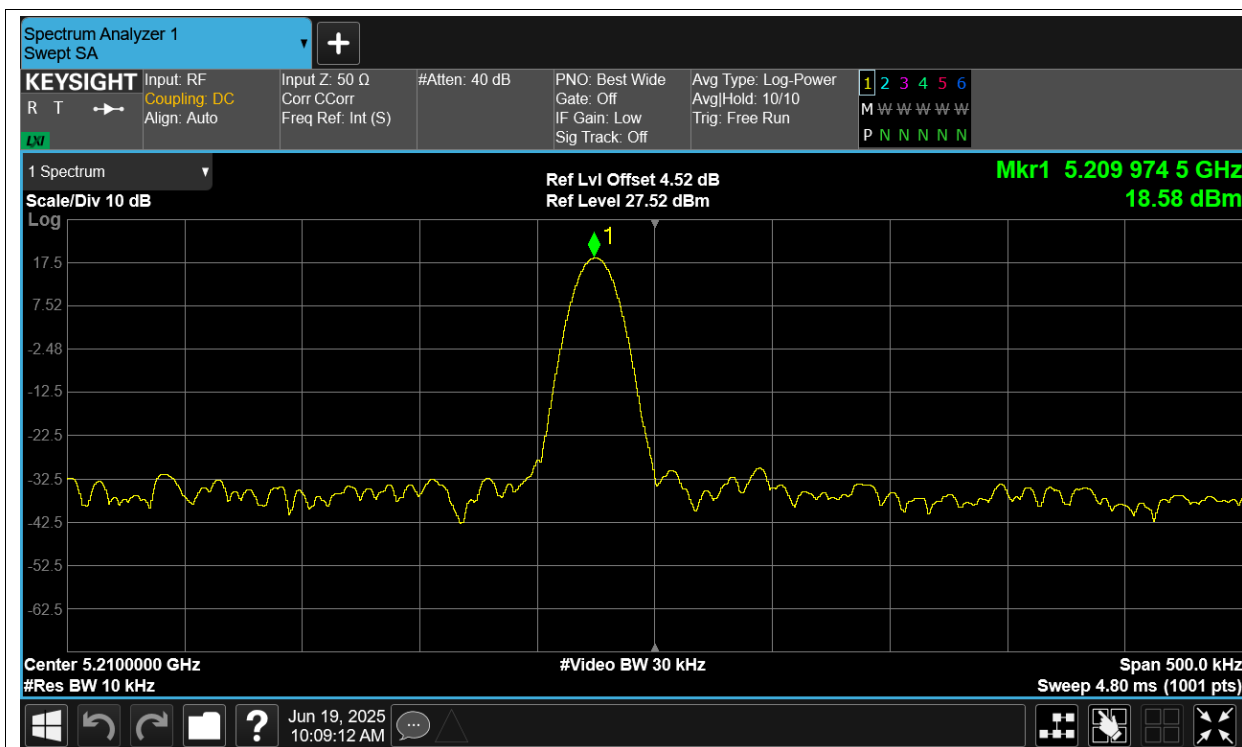
Freq. Stability LVNT ac80 5210MHz Ant1



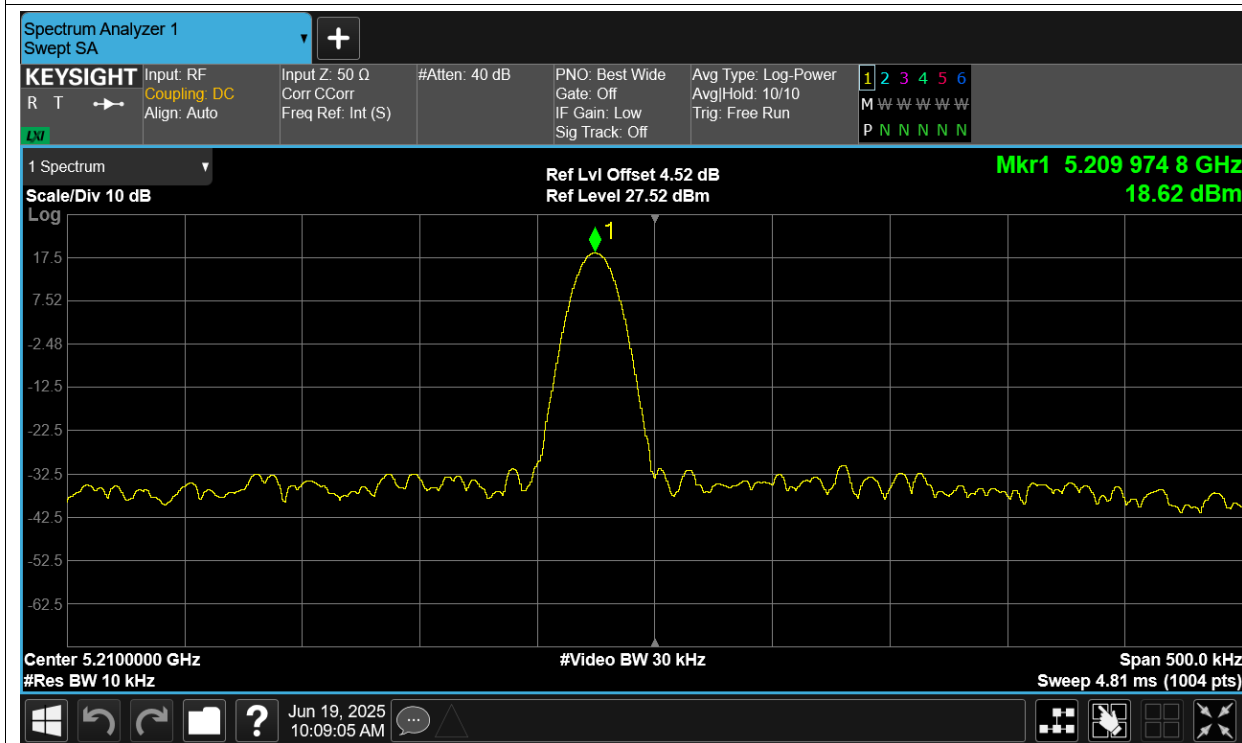
Freq. Stability NVHT ac80 5210MHz Ant1



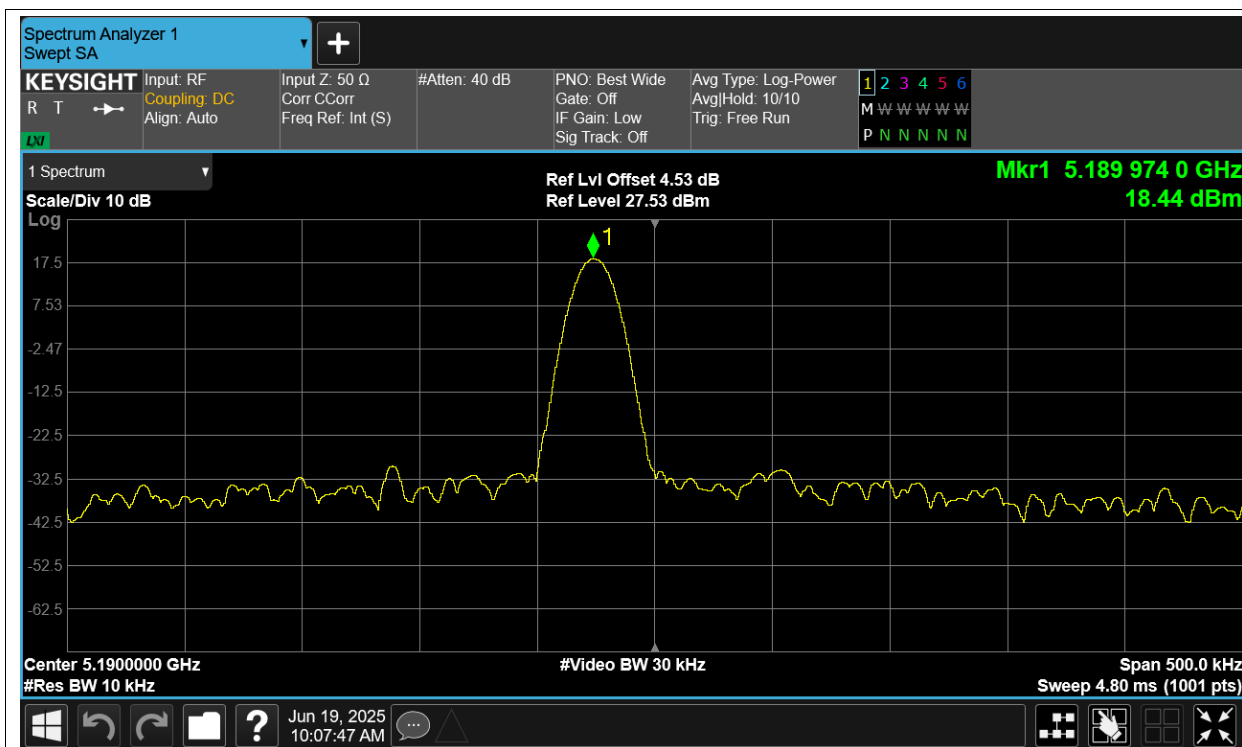
Freq. Stability NVLT ac80 5210MHz Ant1



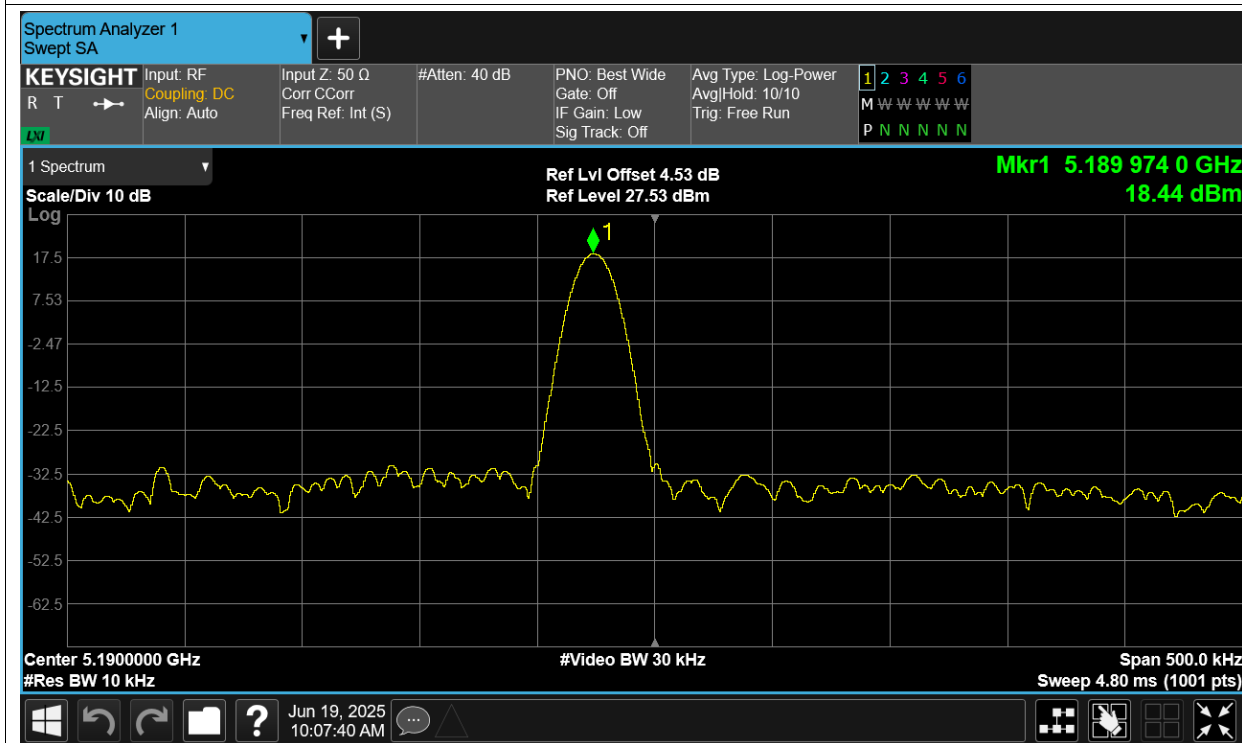
Freq. Stability NVNT ac80 5210MHz Ant1



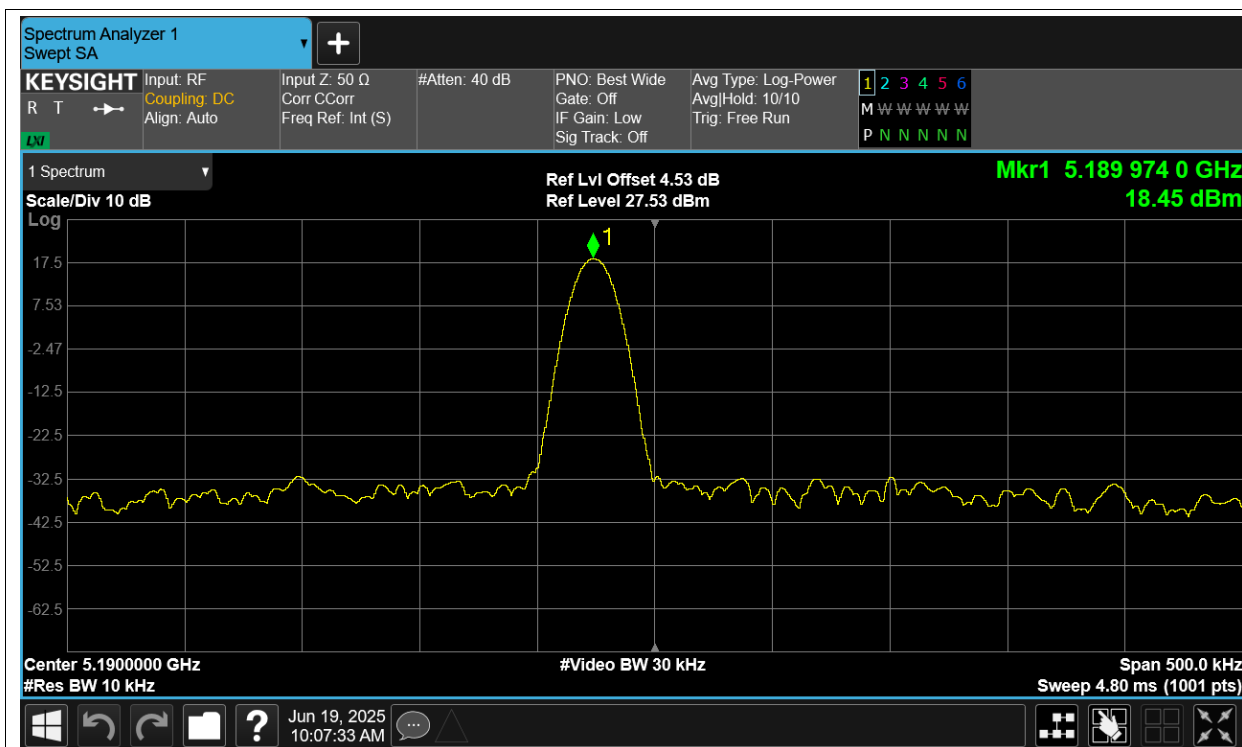
Freq. Stability HVNT n40 5190MHz Ant1



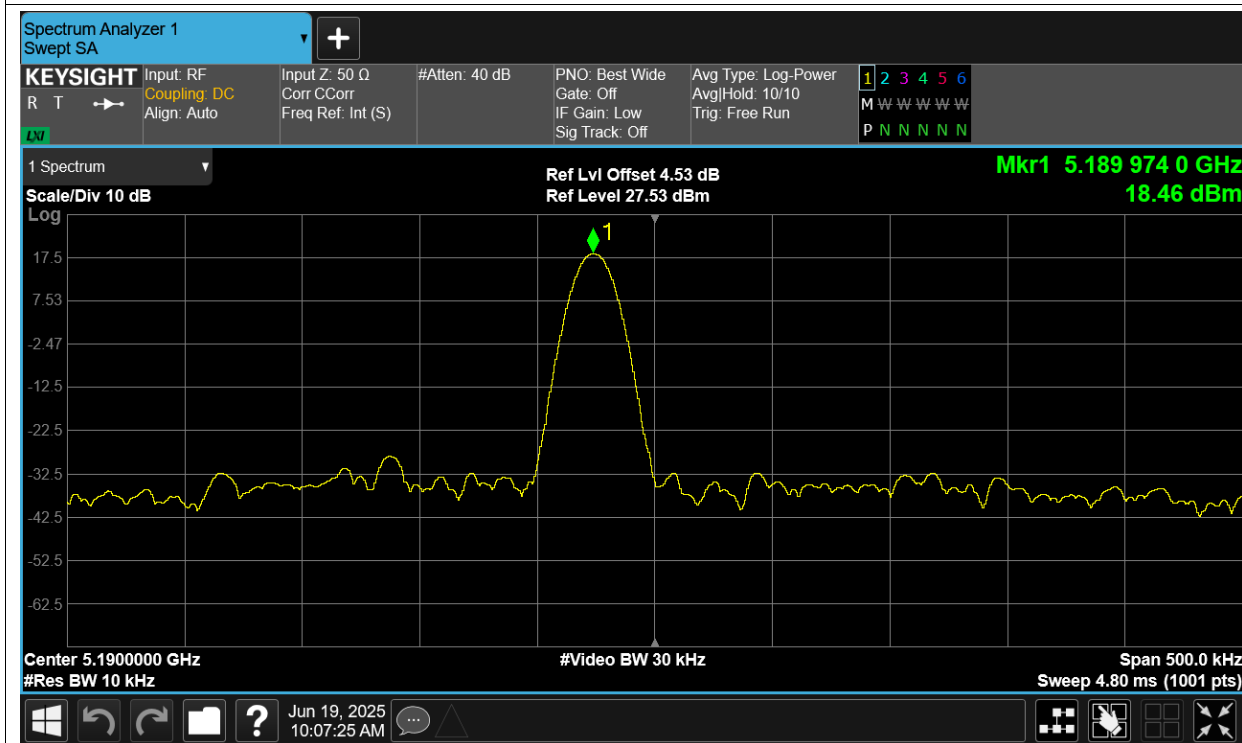
Freq. Stability LVNT n40 5190MHz Ant1



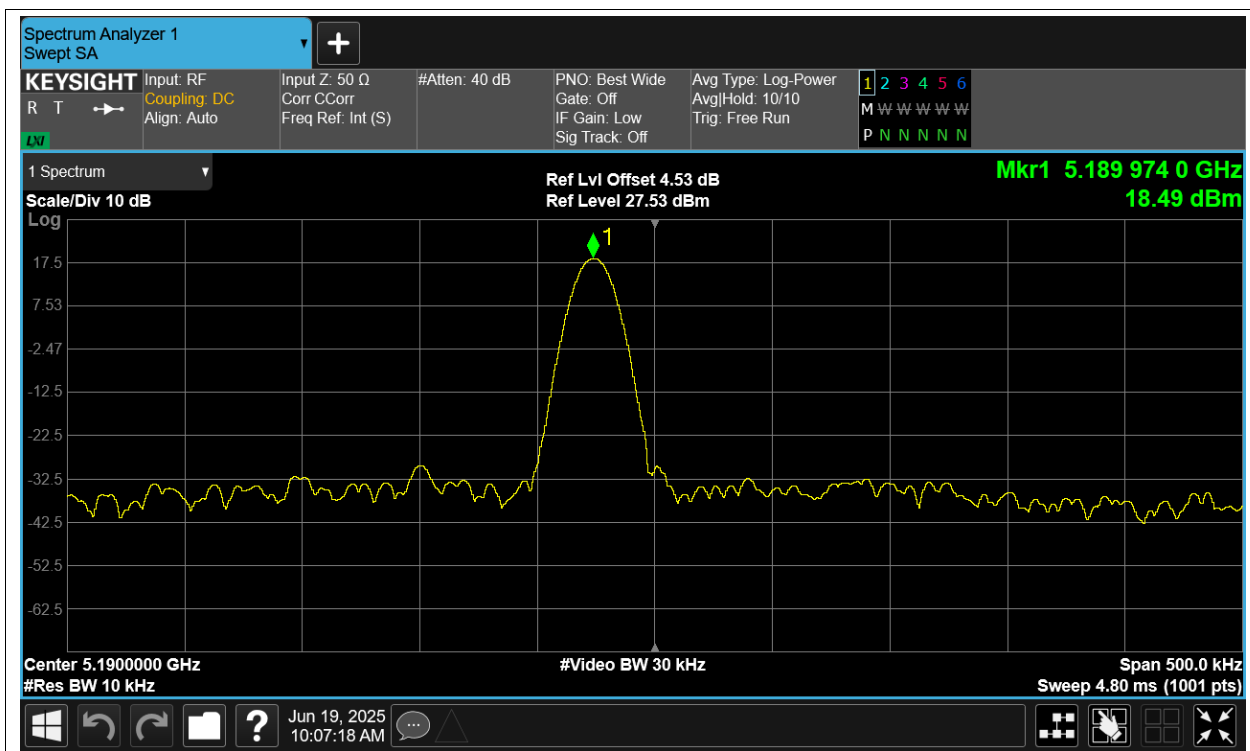
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

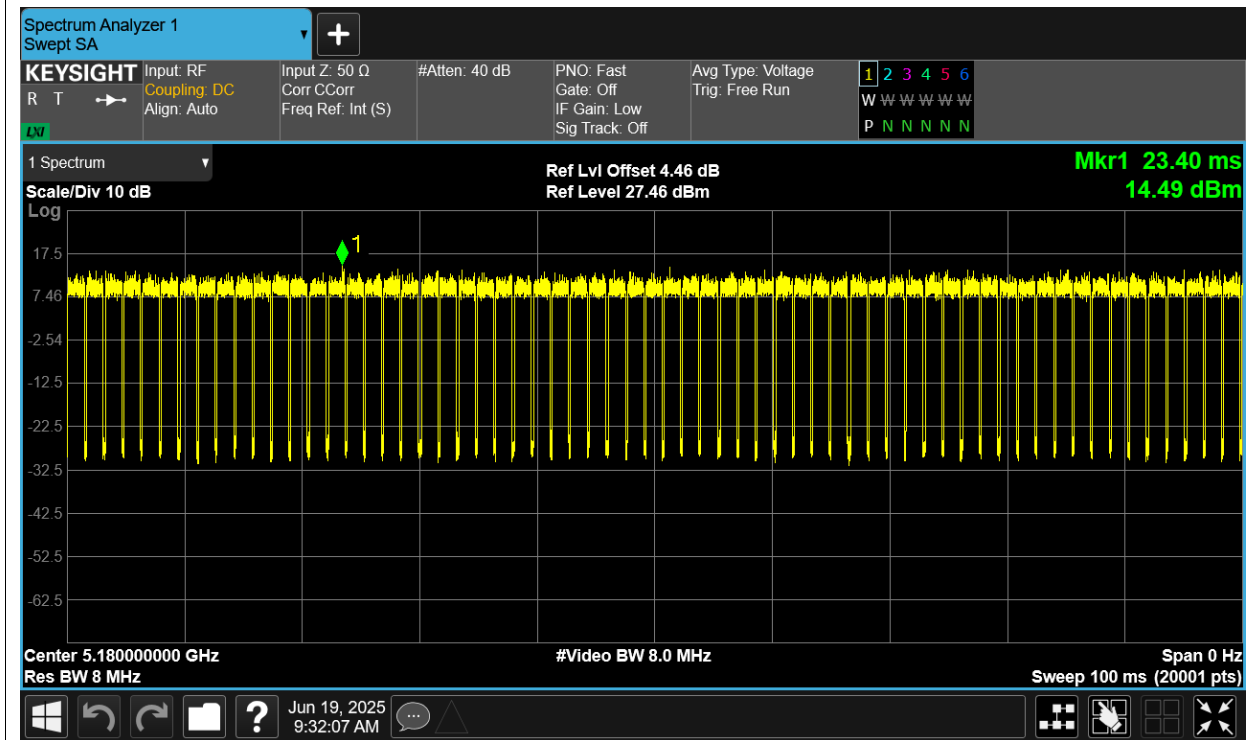


Duty Cycle

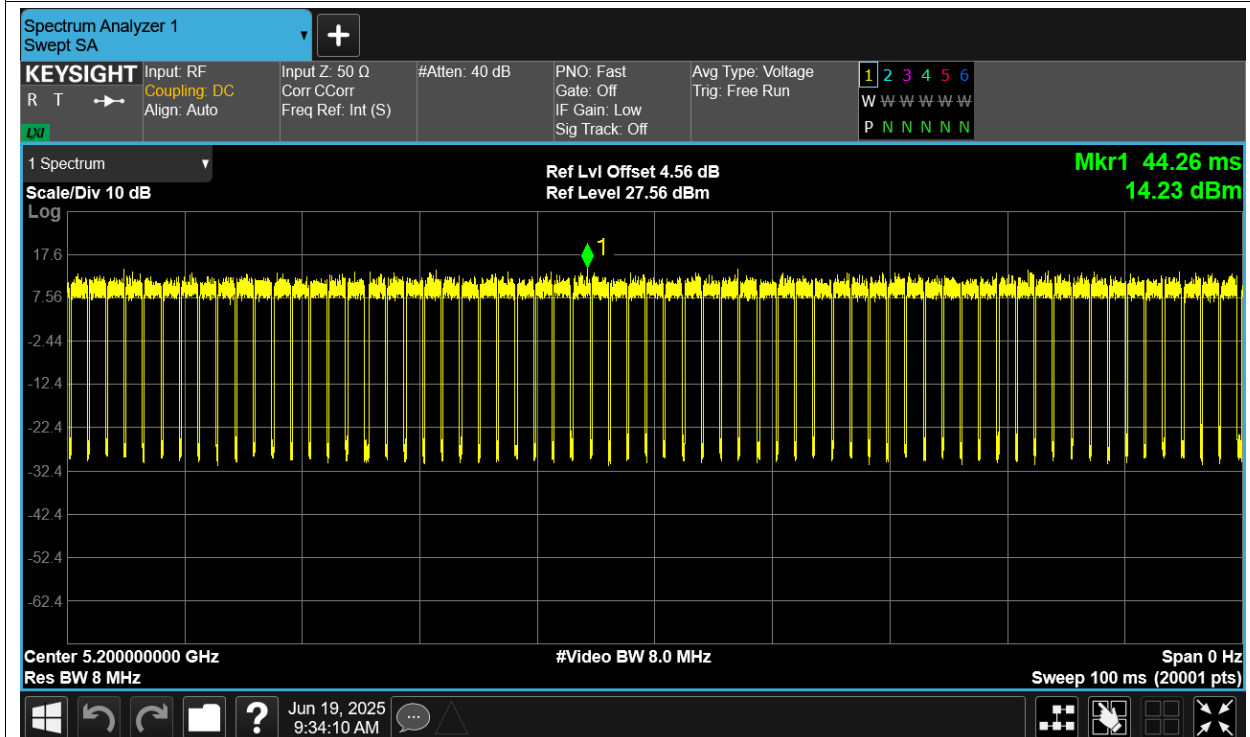
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	88.08	0.55
NVNT	a	5200	Ant1	88.21	0.55
NVNT	a	5240	Ant1	87.98	0.56
NVNT	ac20	5180	Ant1	86.1	0.65
NVNT	ac20	5200	Ant1	86.78	0.62
NVNT	ac20	5240	Ant1	86.67	0.62
NVNT	ac40	5190	Ant1	75.96	1.19
NVNT	ac40	5230	Ant1	75.74	1.21
NVNT	ac80	5210	Ant1	62.62	2.03
NVNT	n20	5180	Ant1	96.93	0.14
NVNT	n20	5200	Ant1	86.72	0.62
NVNT	n20	5240	Ant1	86.79	0.62
NVNT	n40	5190	Ant1	75.38	1.23
NVNT	n40	5230	Ant1	76.11	1.19

Test Graphs

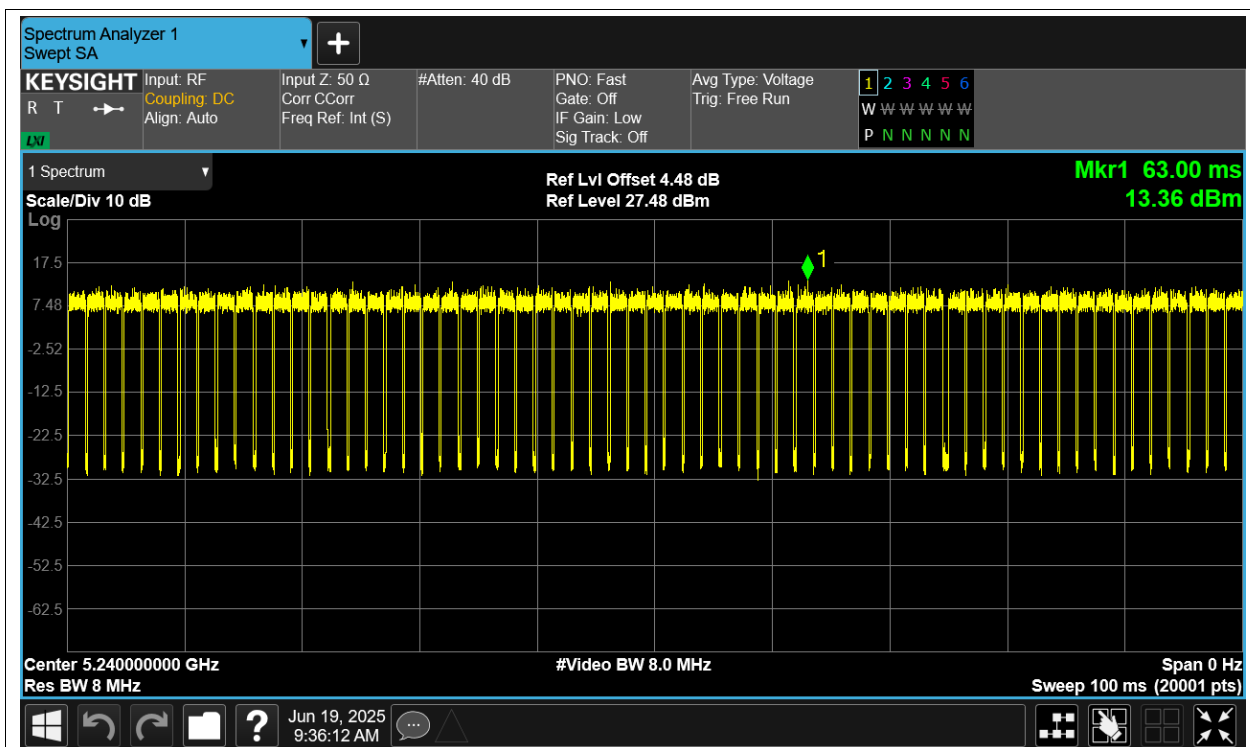
Duty Cycle NVNT a 5180MHz Ant1



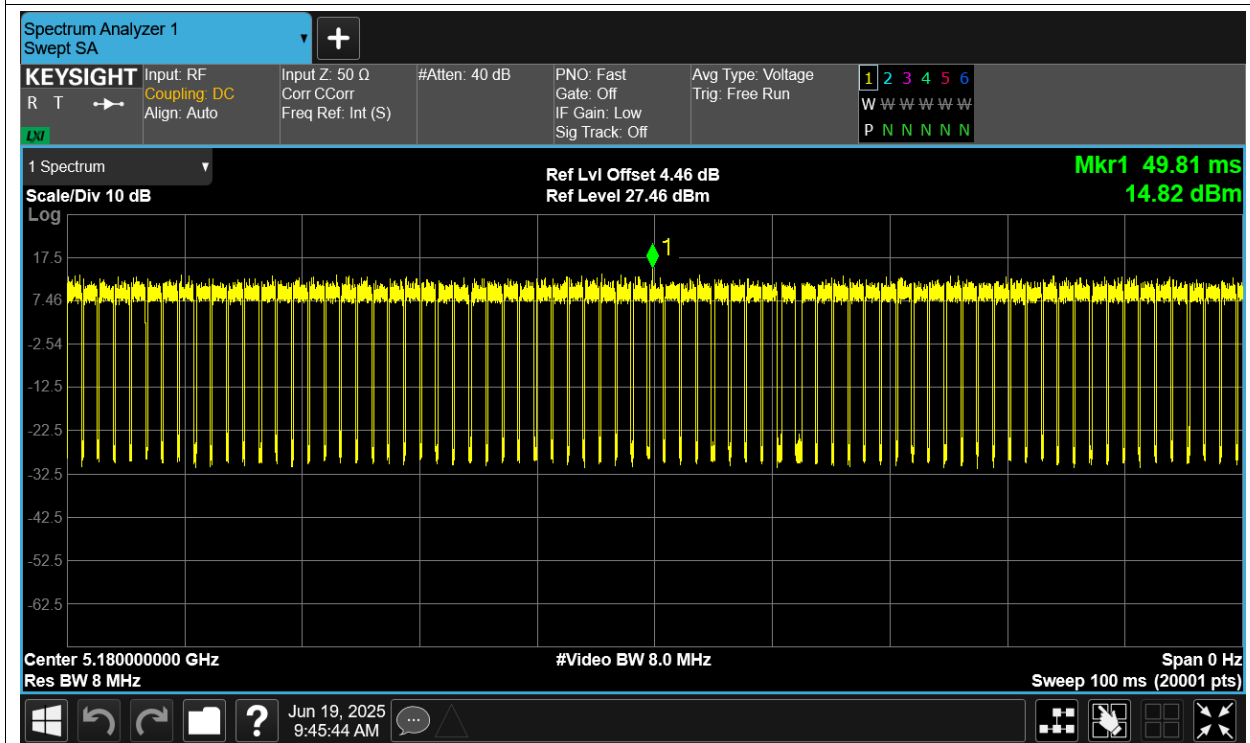
Duty Cycle NVNT a 5200MHz Ant1



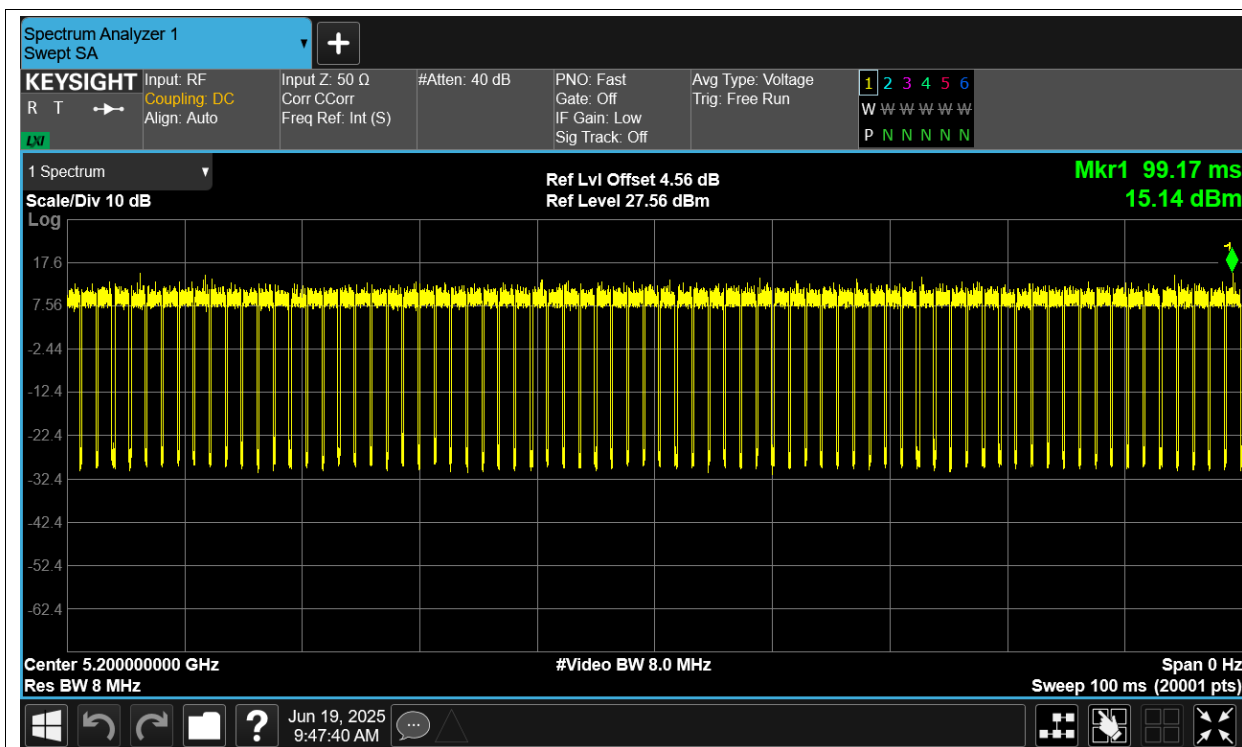
Duty Cycle NVNT a 5240MHz Ant1



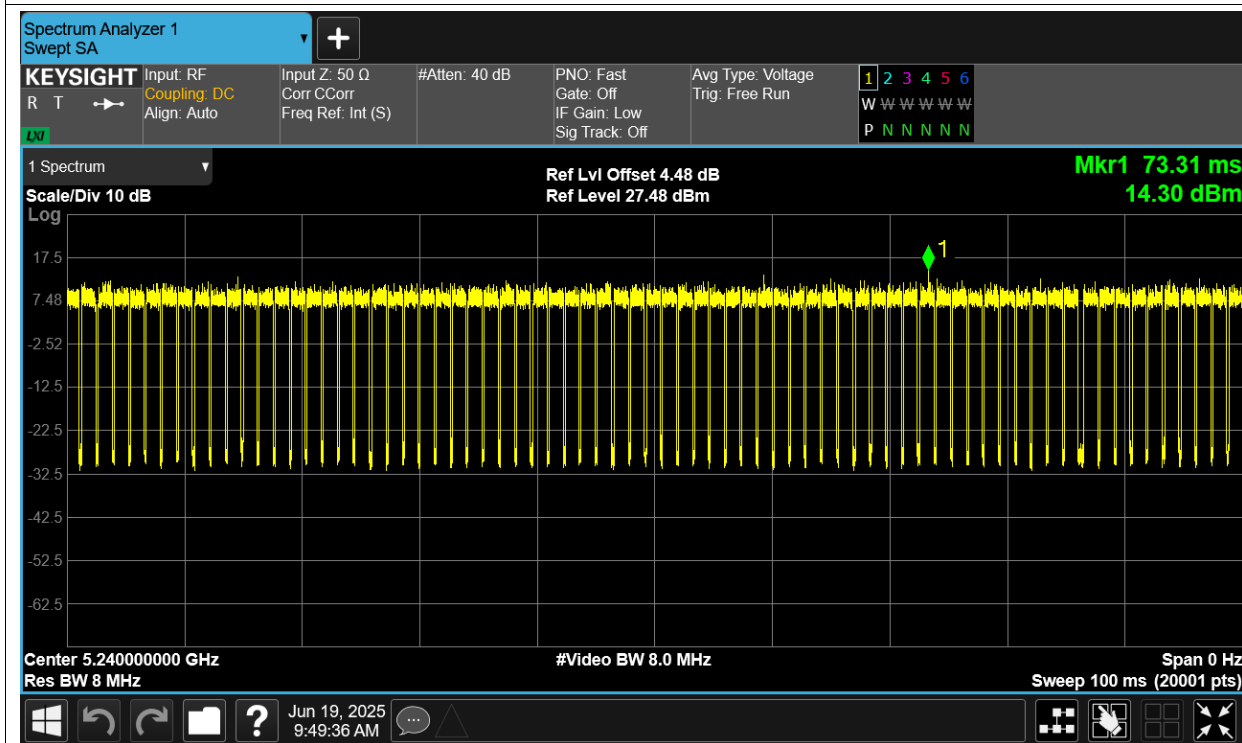
Duty Cycle NVNT ac20 5180MHz Ant1



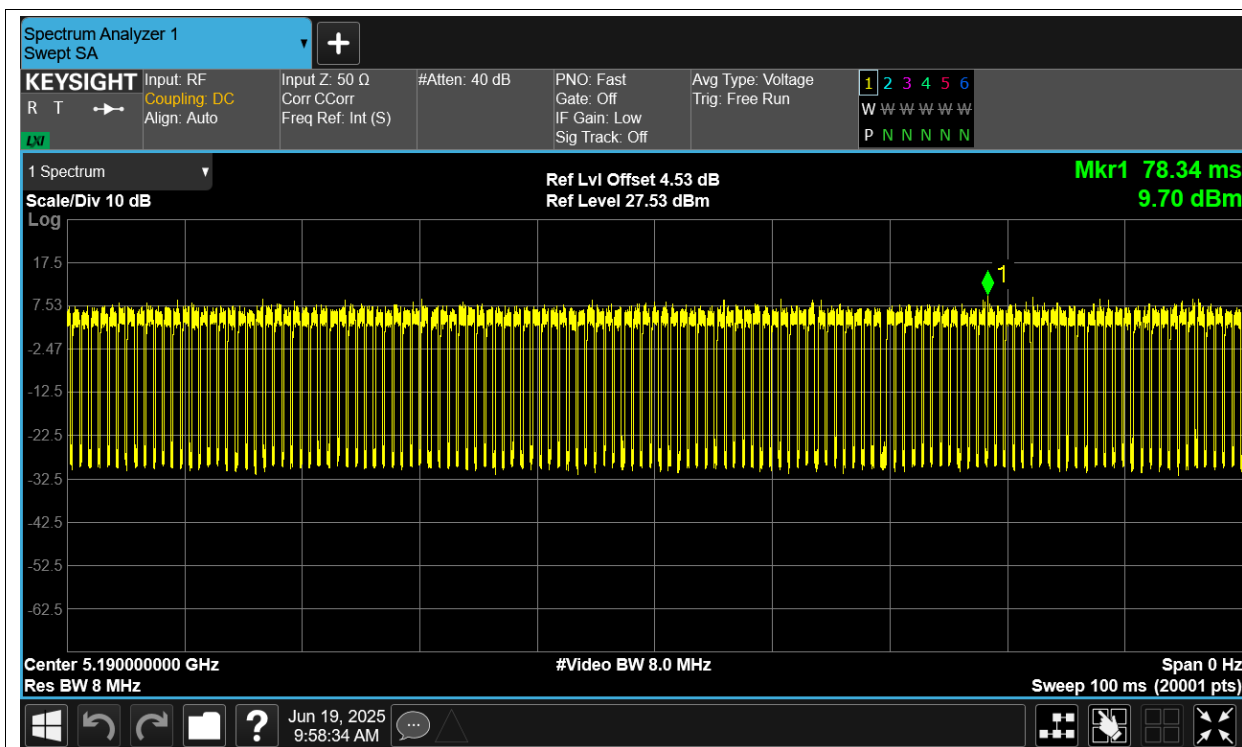
Duty Cycle NVNT ac20 5200MHz Ant1



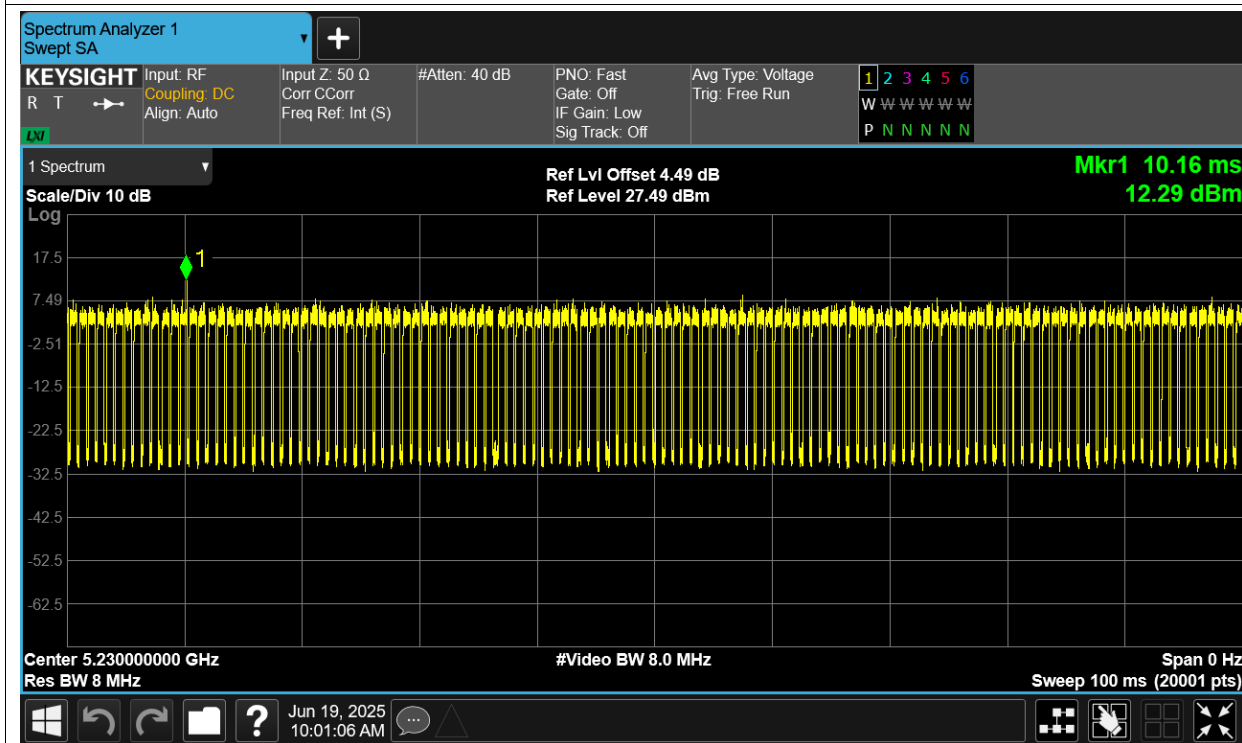
Duty Cycle NVNT ac20 5240MHz Ant1



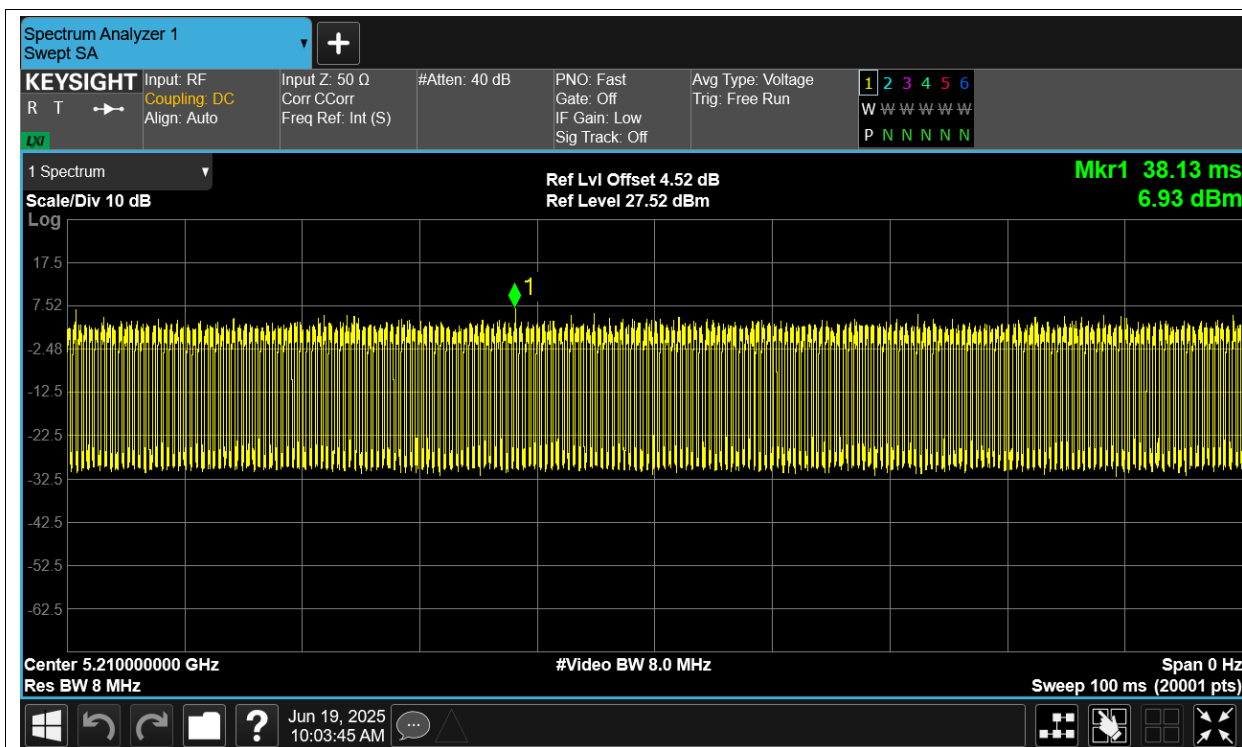
Duty Cycle NVNT ac40 5190MHz Ant1



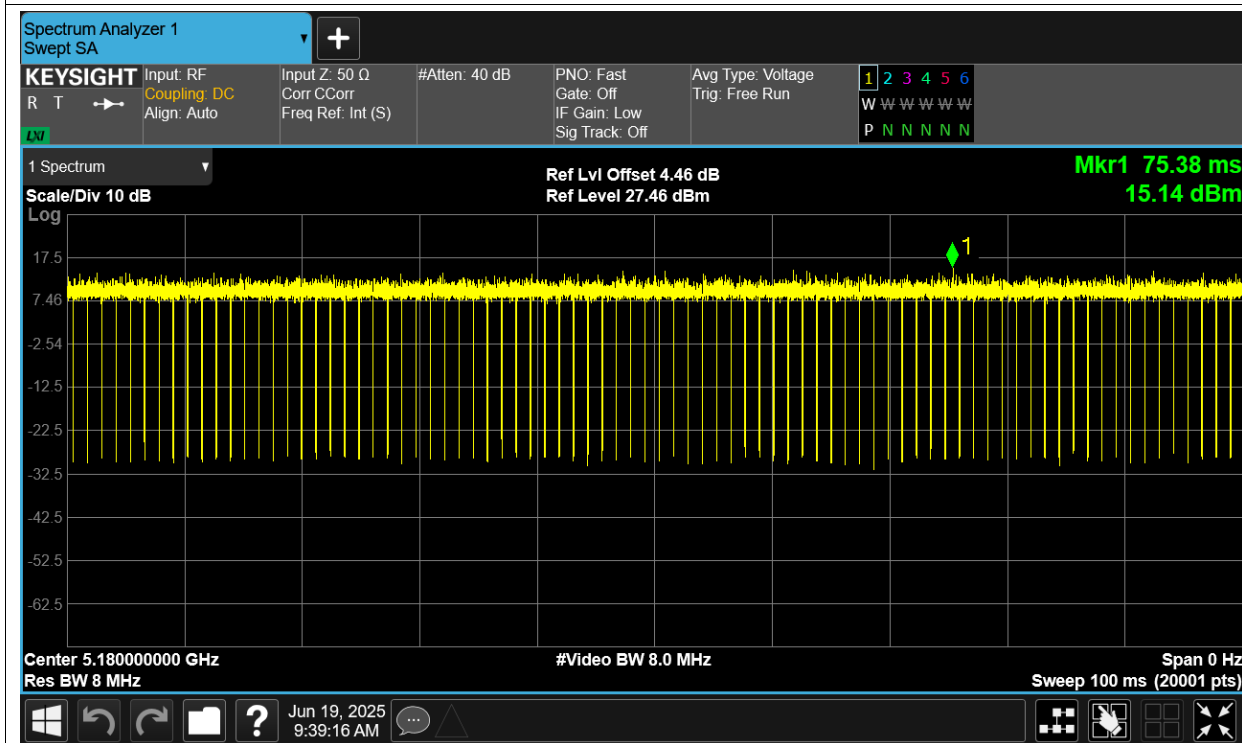
Duty Cycle NVNT ac40 5230MHz Ant1



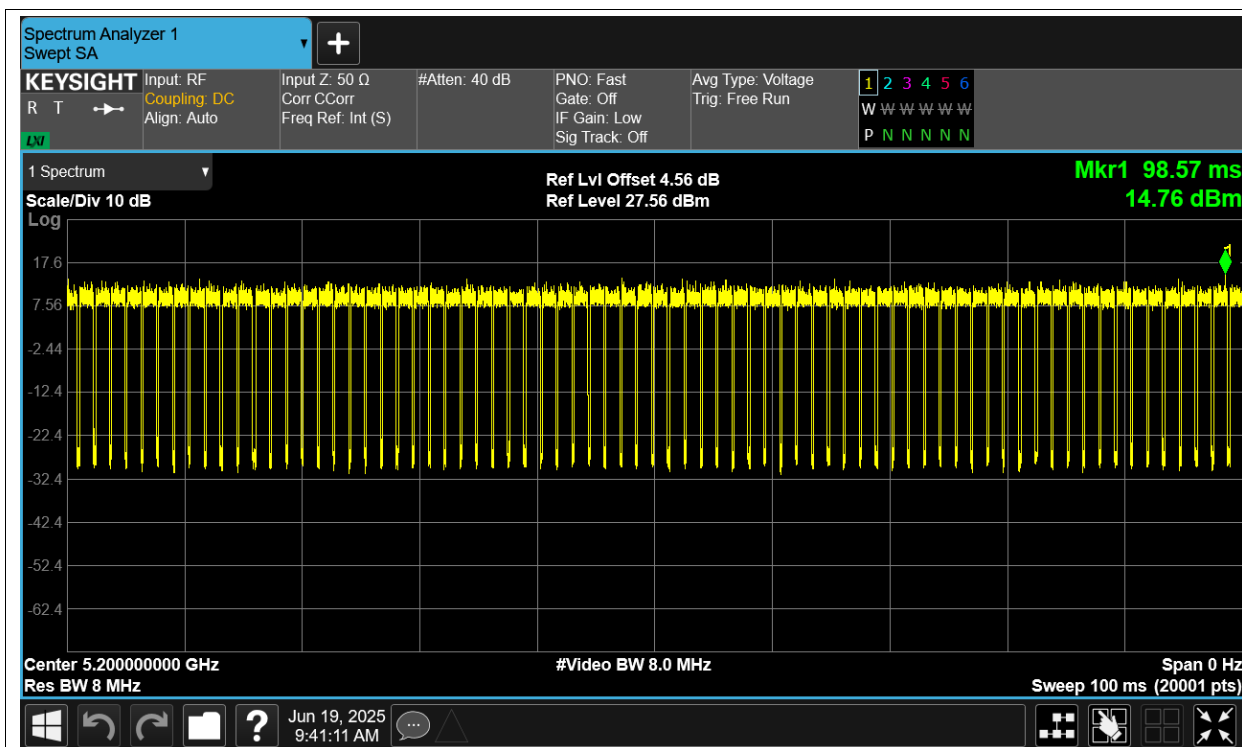
Duty Cycle NVNT ac80 5210MHz Ant1



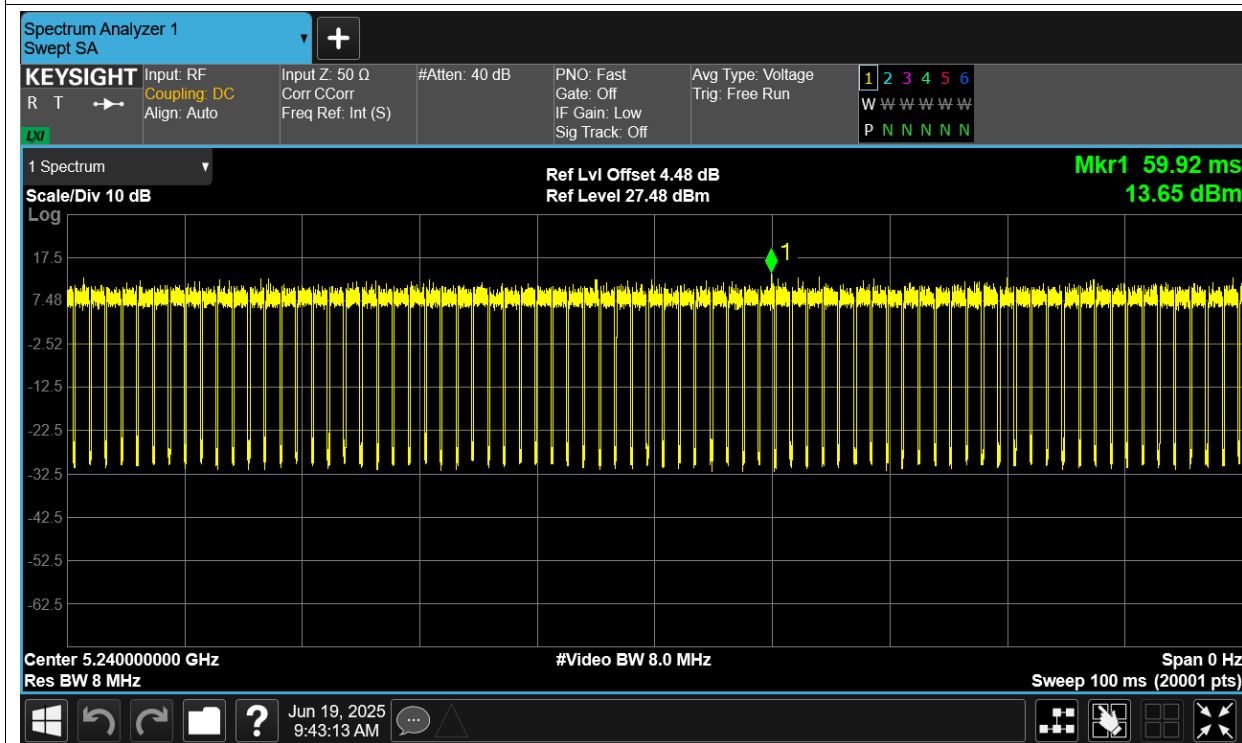
Duty Cycle NVNT n20 5180MHz Ant1



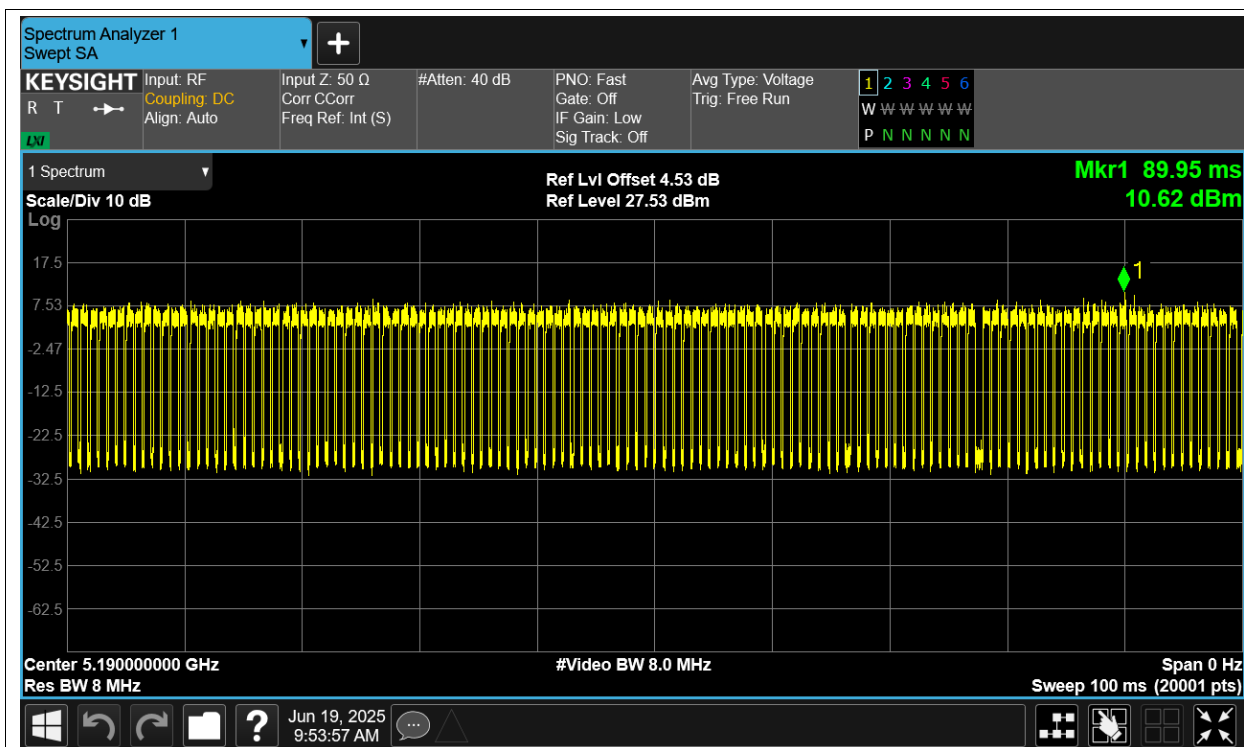
Duty Cycle NVNT n20 5200MHz Ant1



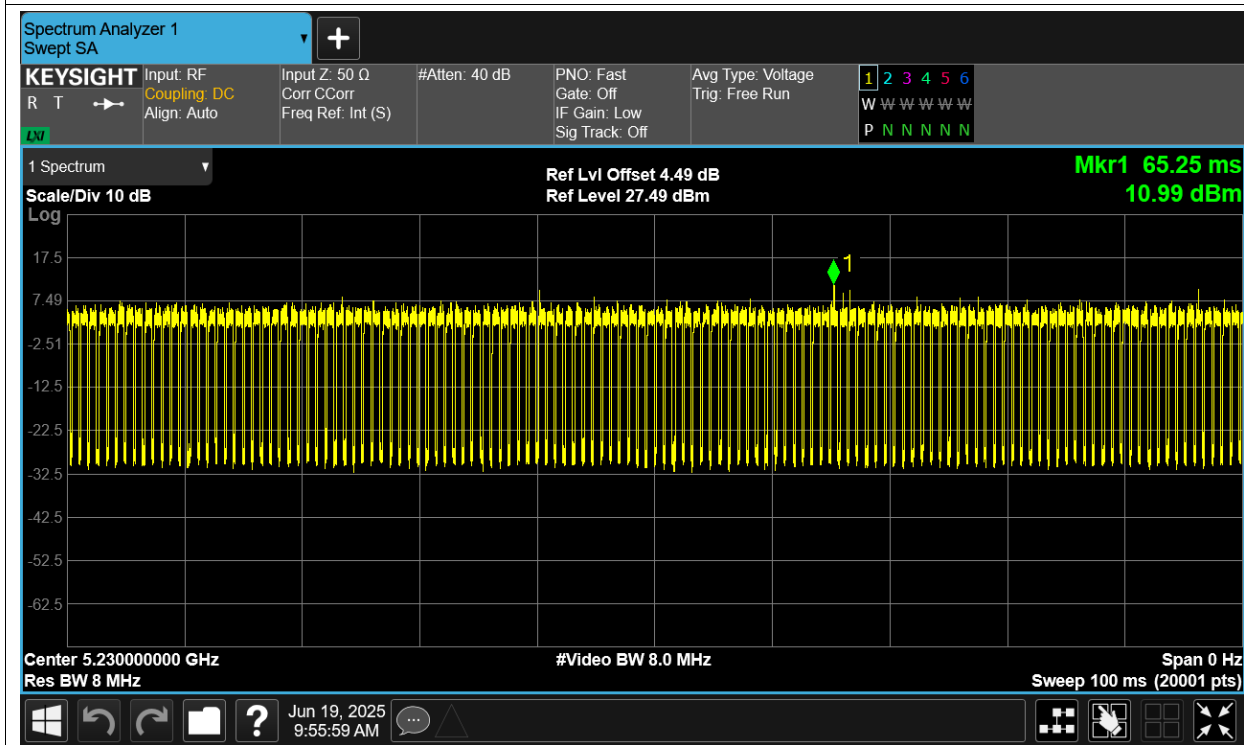
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

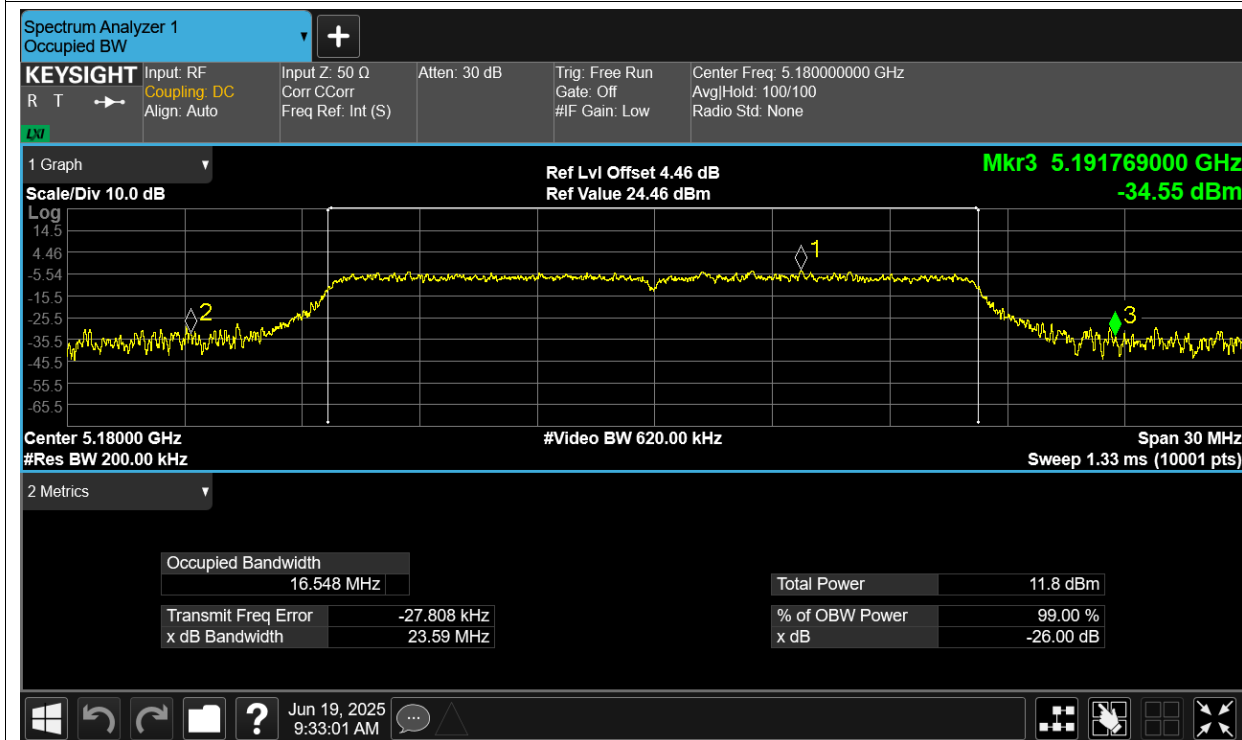
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.45	0.55	7	24	Pass
NVNT	a	5200	Ant1	6.53	0.55	7.08	24	Pass
NVNT	a	5240	Ant1	5.63	0.56	6.19	24	Pass
NVNT	ac20	5180	Ant1	6.44	0.65	7.09	24	Pass
NVNT	ac20	5200	Ant1	6.47	0.62	7.09	24	Pass
NVNT	ac20	5240	Ant1	5.59	0.62	6.21	24	Pass
NVNT	ac40	5190	Ant1	4.96	1.19	6.15	23	Pass
NVNT	ac40	5230	Ant1	4.27	1.21	5.48	24	Pass
NVNT	ac80	5210	Ant1	4.69	2.03	6.72	24	Pass
NVNT	n20	5180	Ant1	6.86	0.14	7	24	Pass
NVNT	n20	5200	Ant1	6.47	0.62	7.09	24	Pass
NVNT	n20	5240	Ant1	5.59	0.62	6.21	24	Pass
NVNT	n40	5190	Ant1	4.96	1.23	6.19	24	Pass
NVNT	n40	5230	Ant1	4.26	1.19	5.45	24	Pass

-26dB Bandwidth

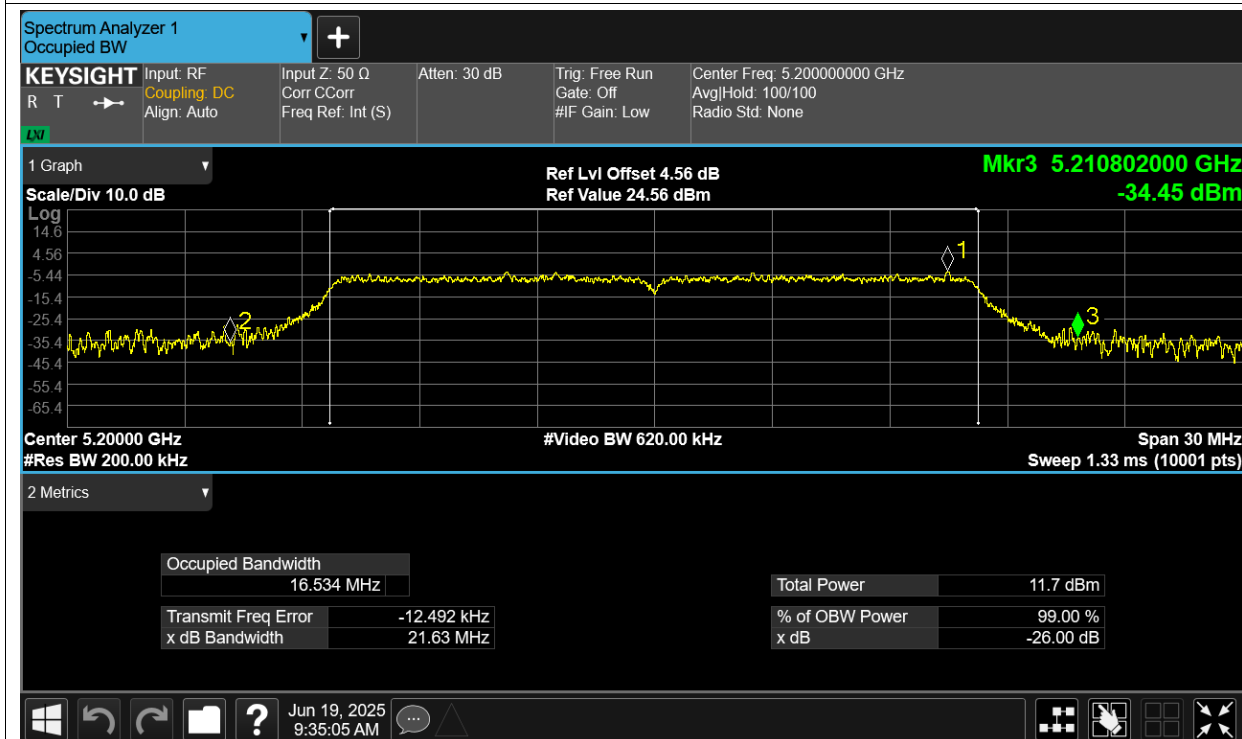
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	23.594
NVNT	a	5200	Ant1	21.63
NVNT	a	5240	Ant1	23.673
NVNT	ac20	5180	Ant1	24.18
NVNT	ac20	5200	Ant1	24.032
NVNT	ac20	5240	Ant1	25.295
NVNT	ac40	5190	Ant1	53.476
NVNT	ac40	5230	Ant1	53.792
NVNT	ac80	5210	Ant1	81.318
NVNT	n20	5180	Ant1	25.716
NVNT	n20	5200	Ant1	26.069
NVNT	n20	5240	Ant1	27.885
NVNT	n40	5190	Ant1	46.244
NVNT	n40	5230	Ant1	46.948

Test Graphs

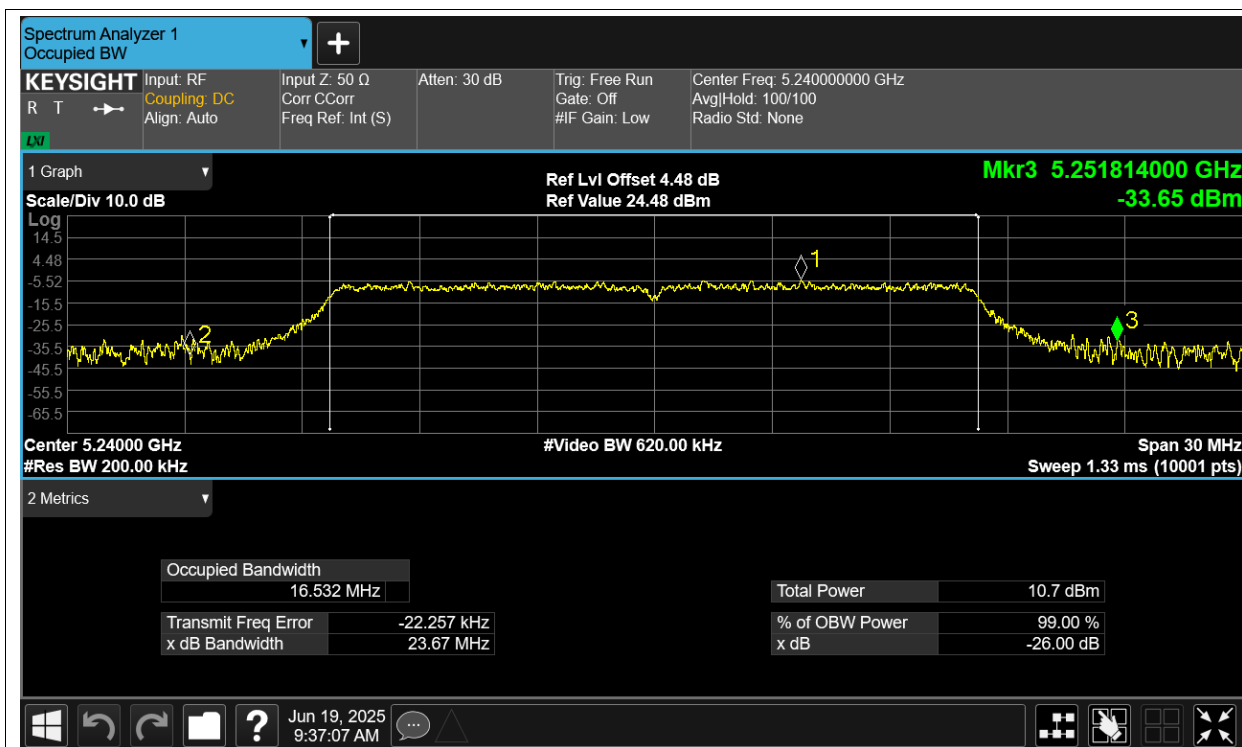
-26dB Bandwidth NVNT a 5180MHz Ant1



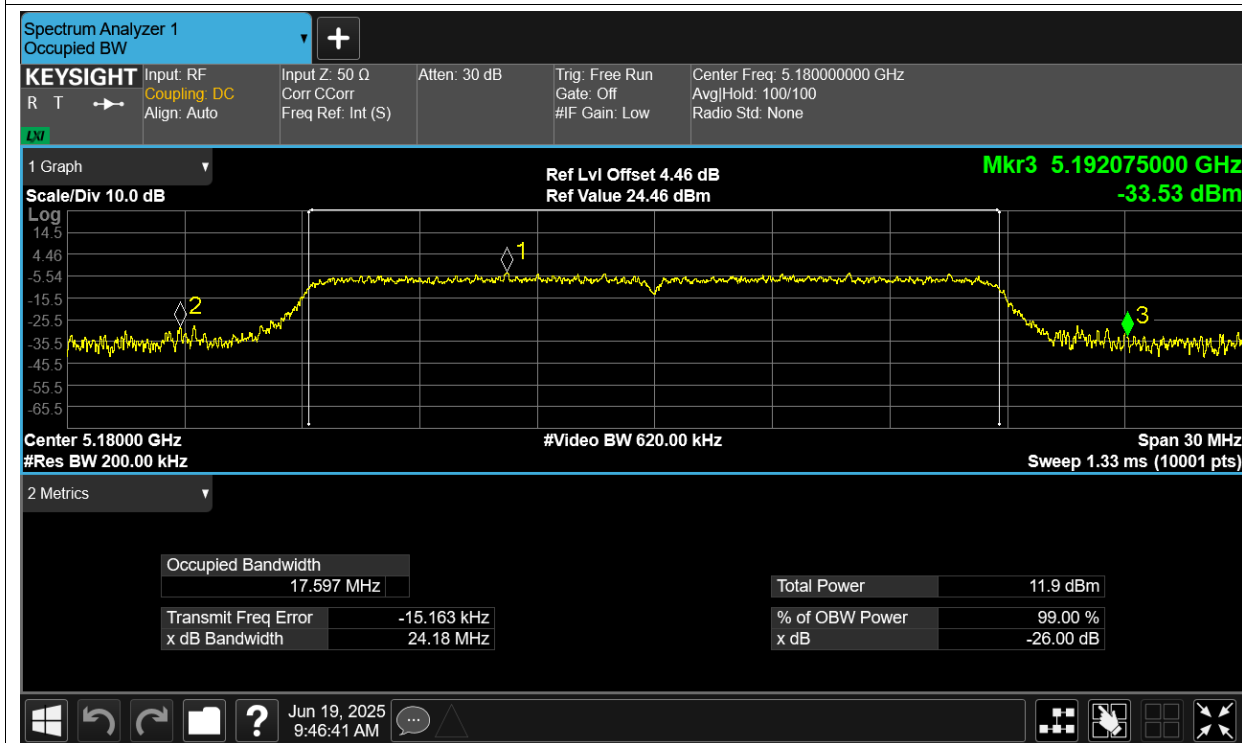
-26dB Bandwidth NVNT a 5200MHz Ant1



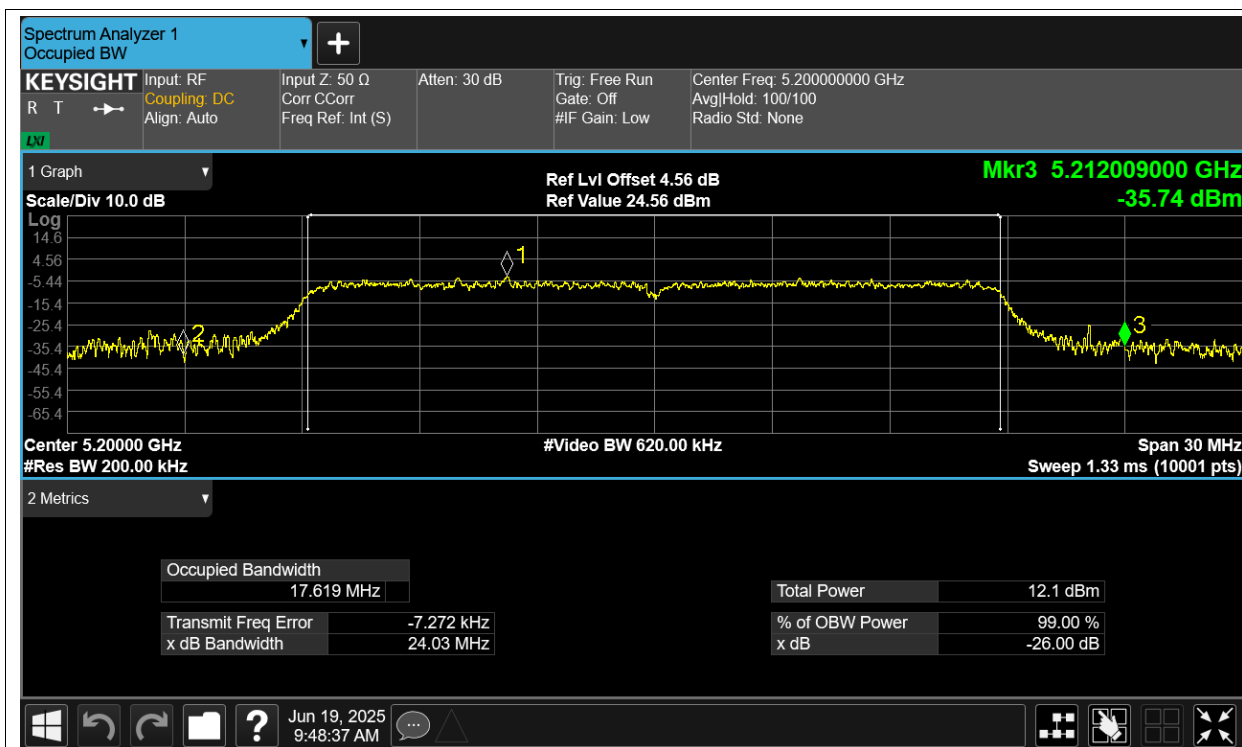
-26dB Bandwidth NVNT a 5240MHz Ant1



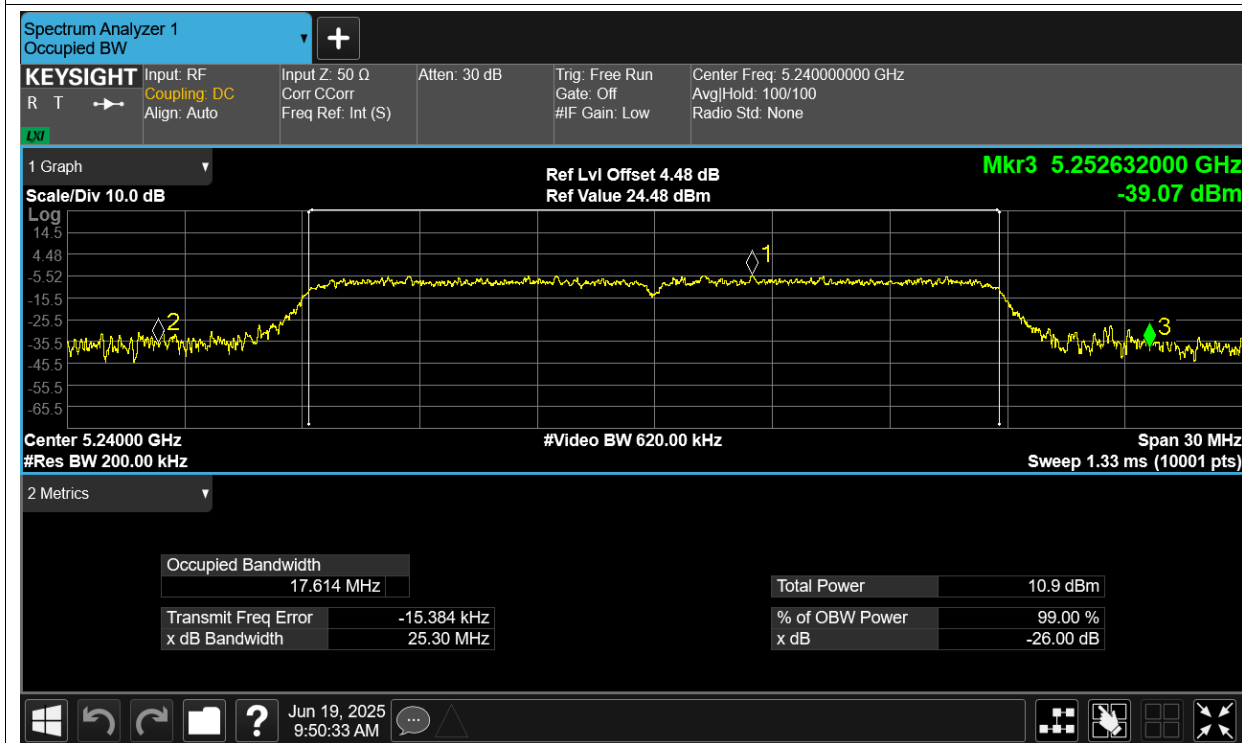
-26dB Bandwidth NVNT ac20 5180MHz Ant1



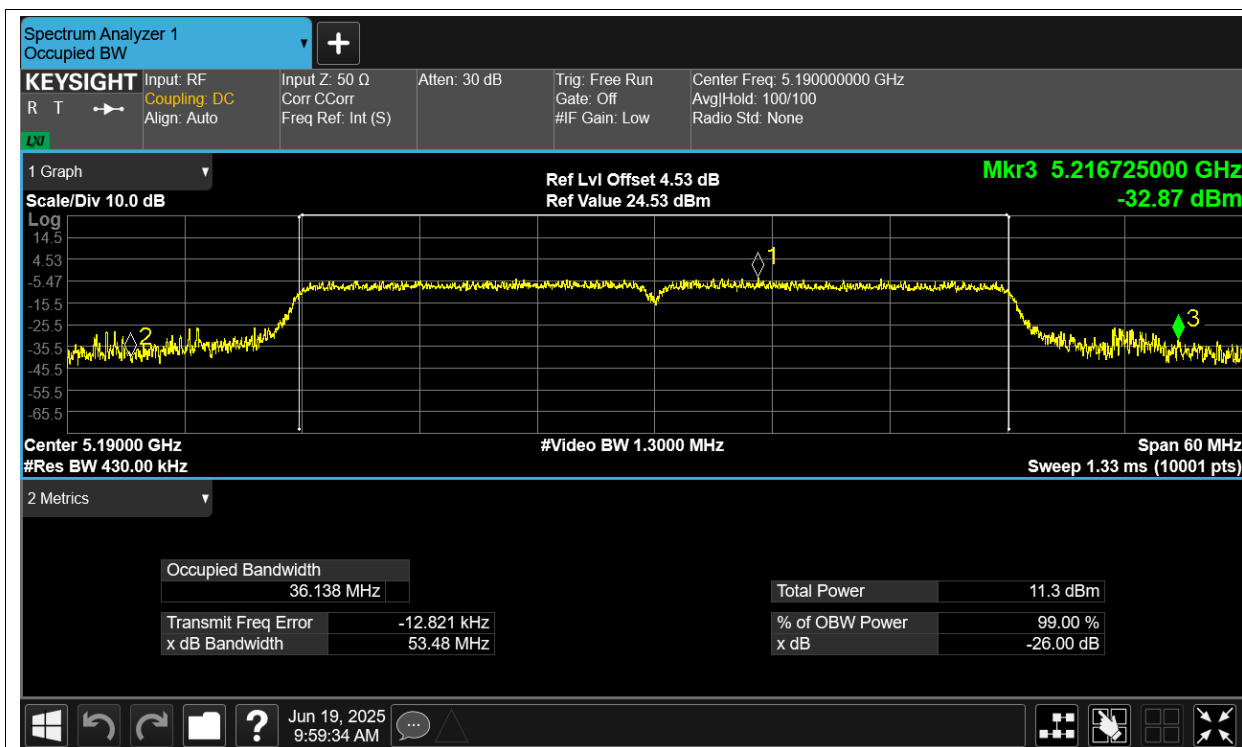
-26dB Bandwidth NVNT ac20 5200MHz Ant1



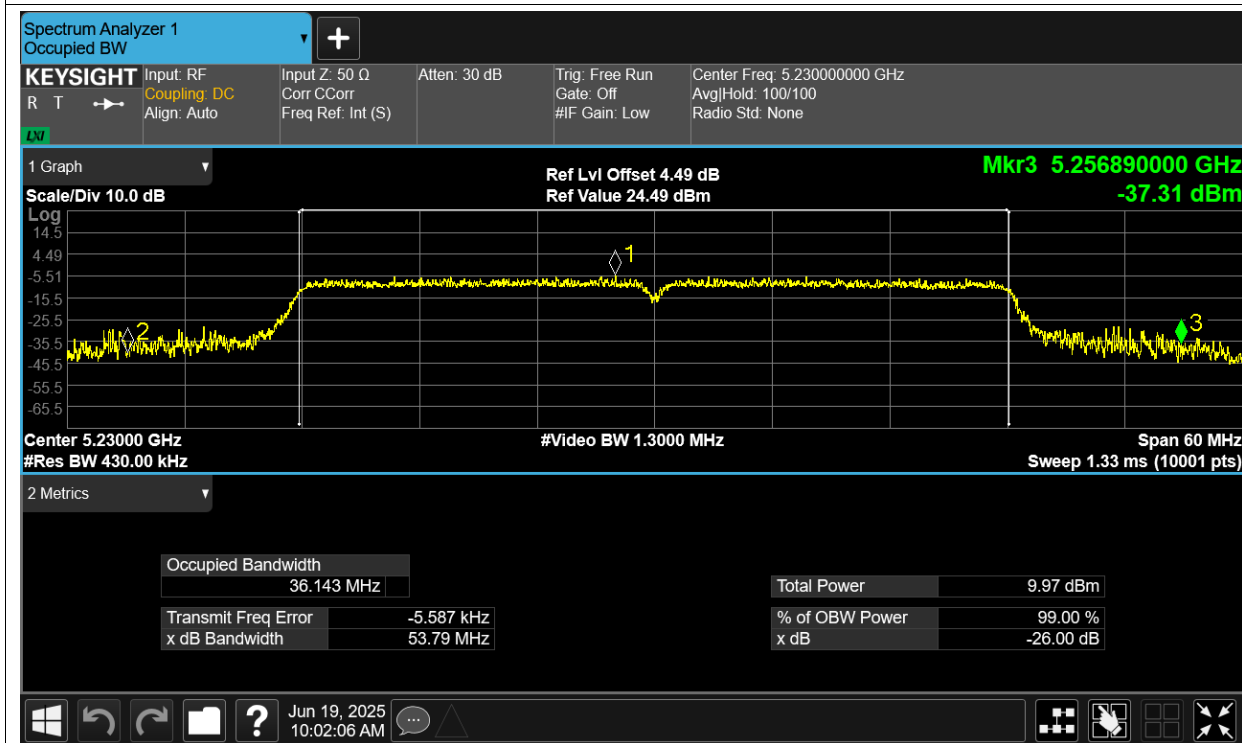
-26dB Bandwidth NVNT ac20 5240MHz Ant1



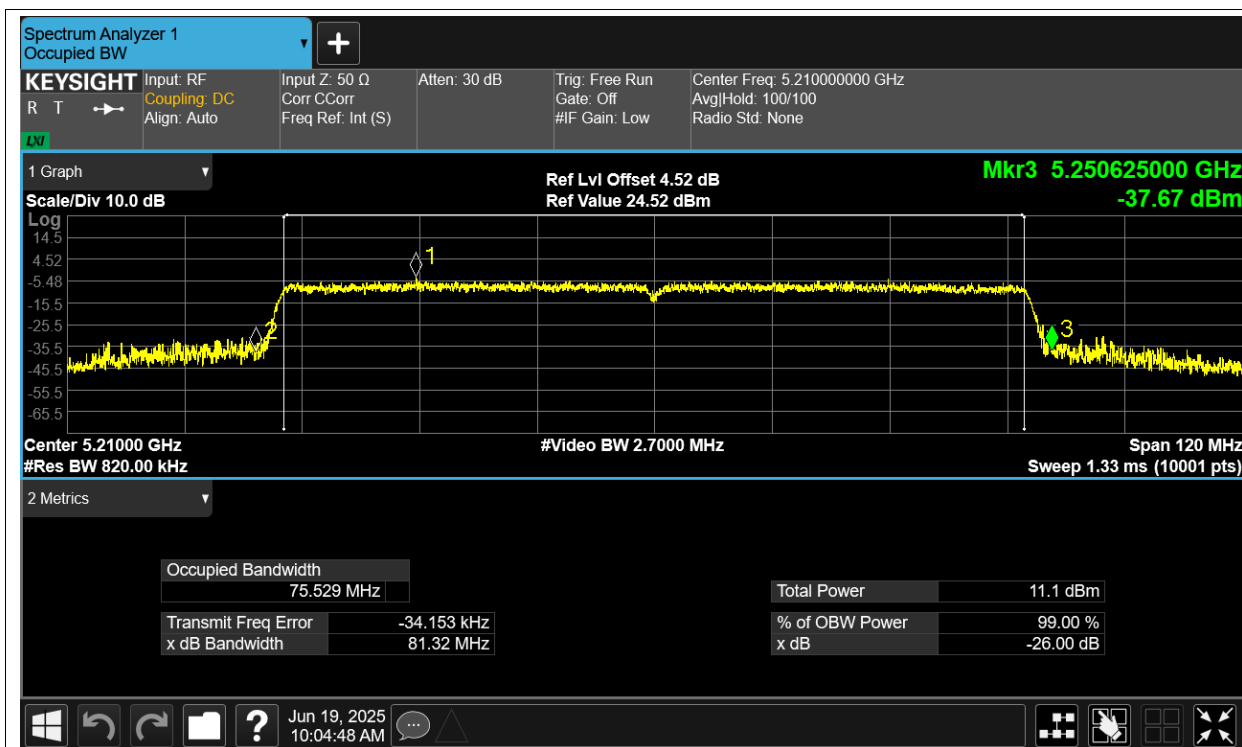
-26dB Bandwidth NVNT ac40 5190MHz Ant1



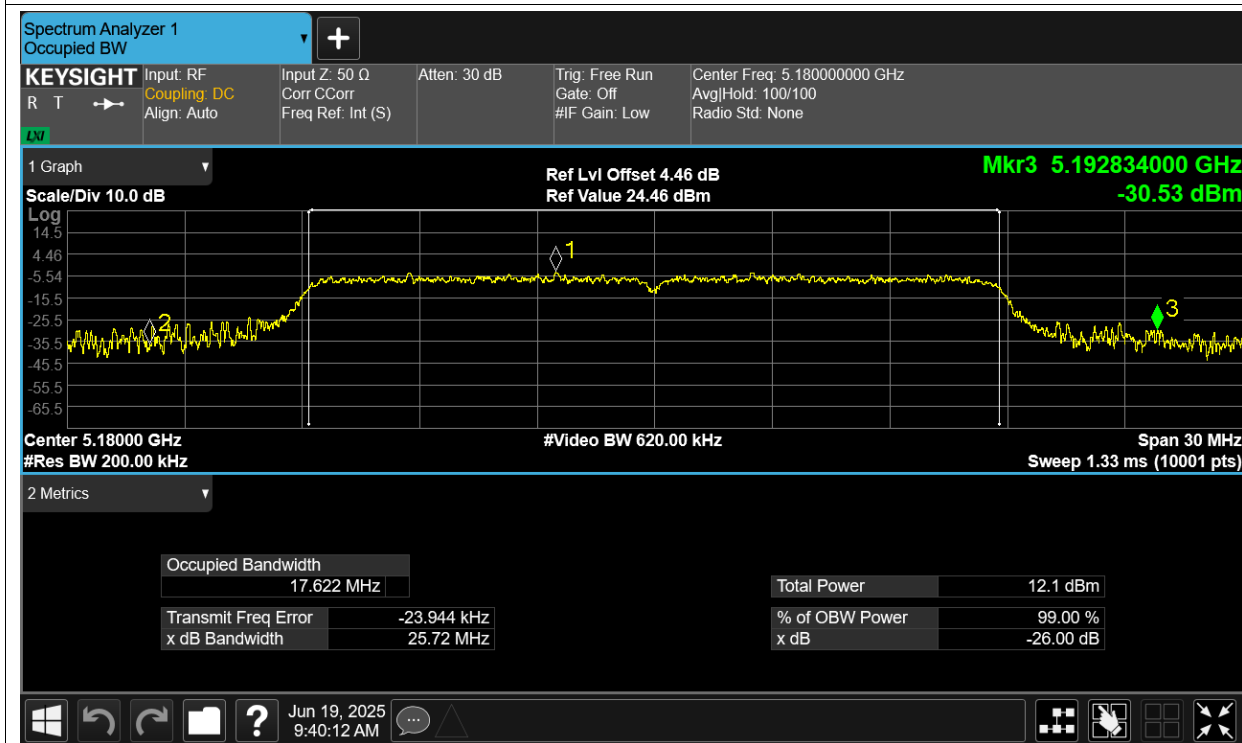
-26dB Bandwidth NVNT ac40 5230MHz Ant1



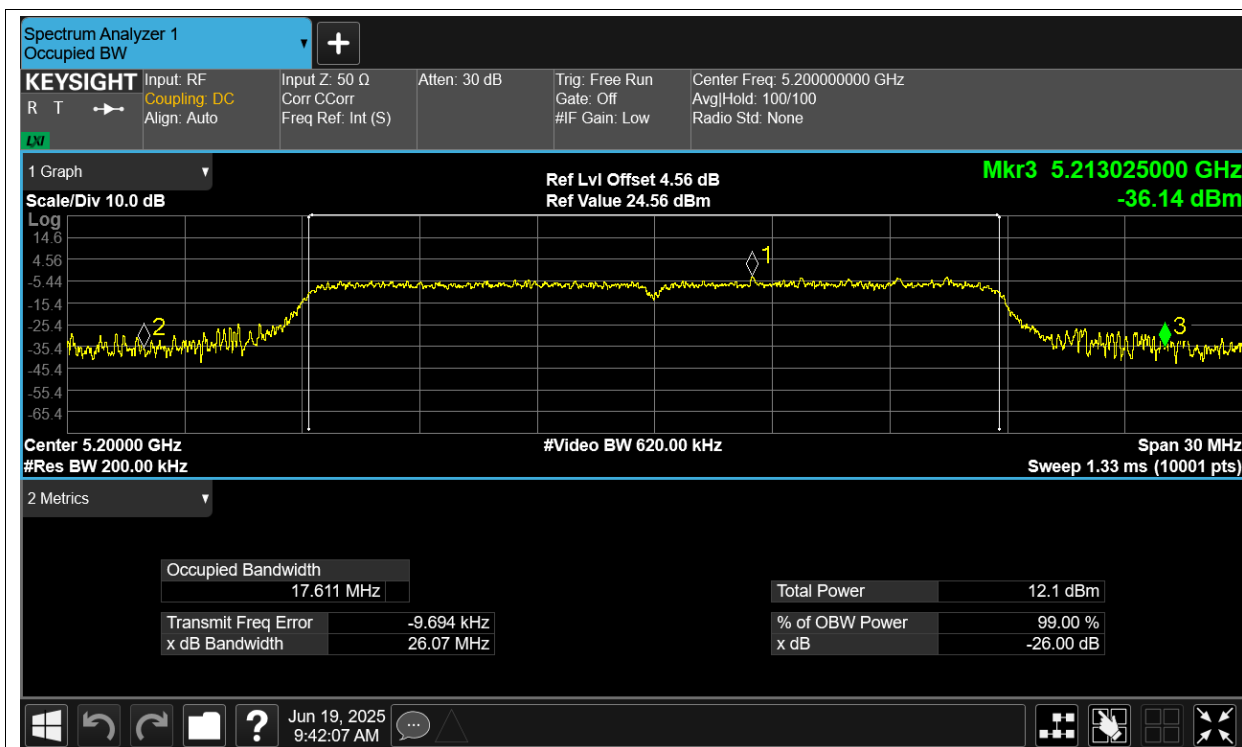
-26dB Bandwidth NVNT ac80 5210MHz Ant1



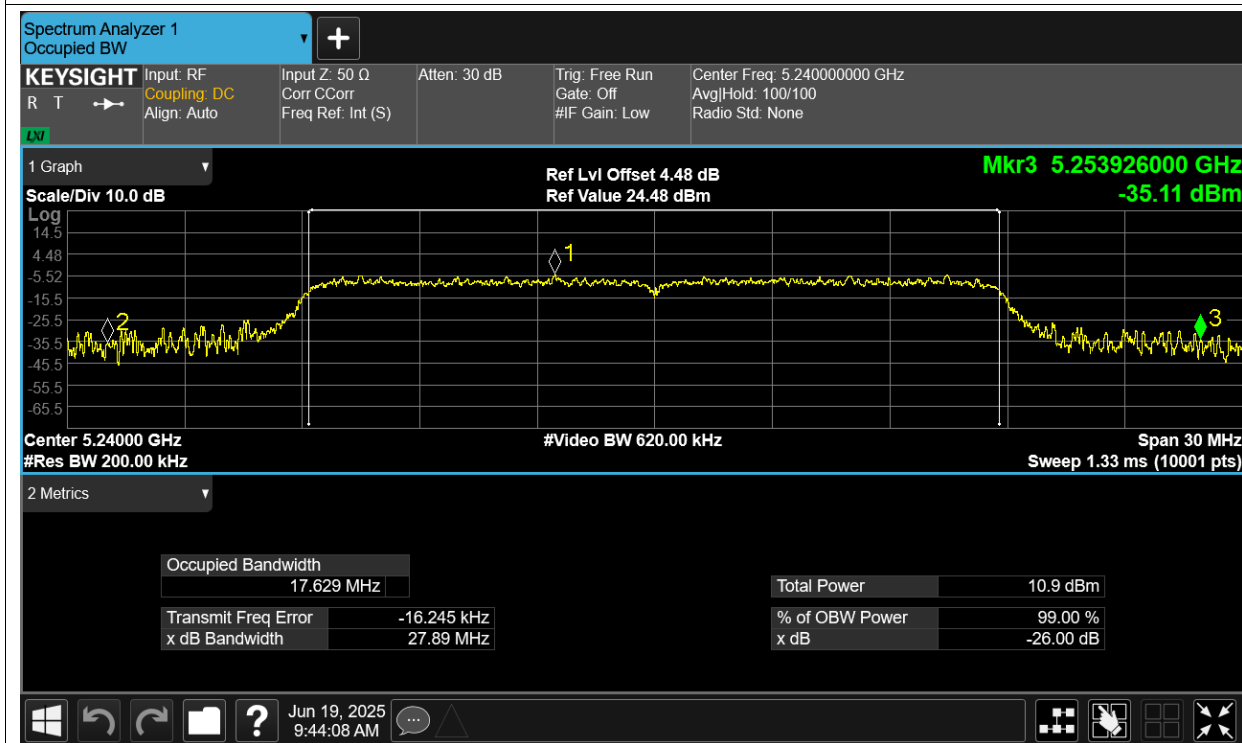
-26dB Bandwidth NVNT n20 5180MHz Ant1



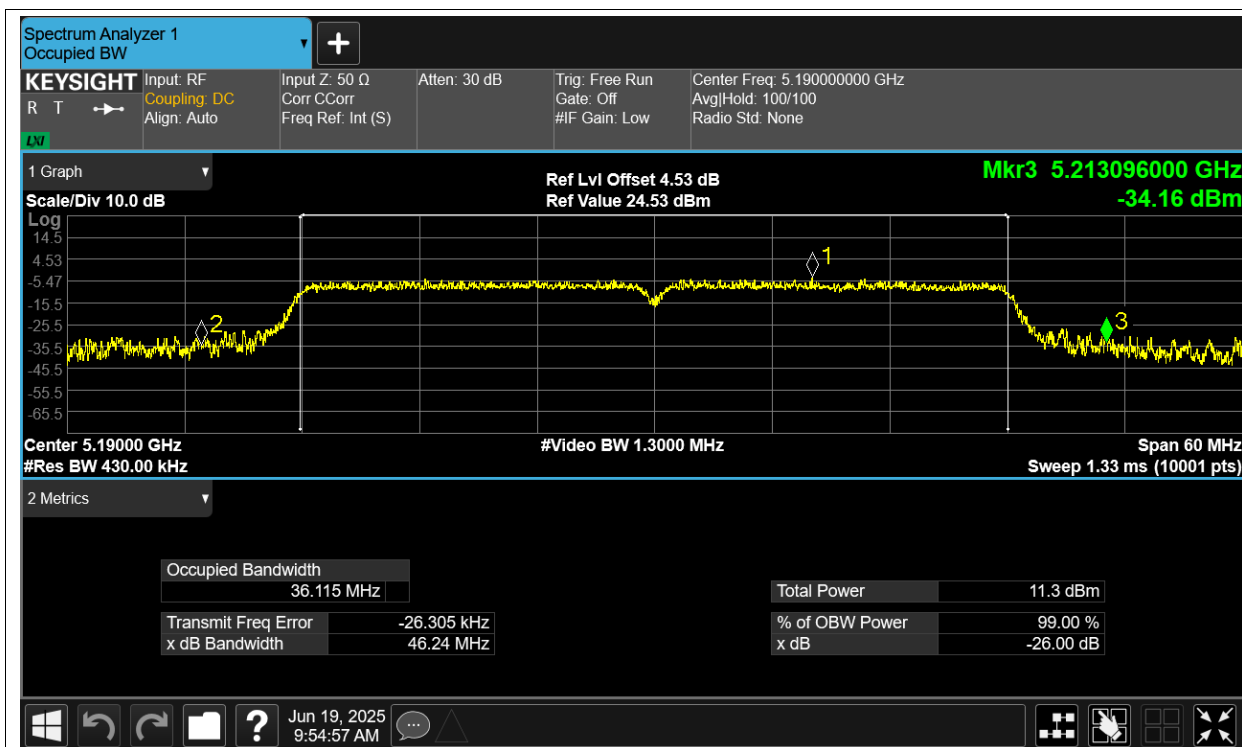
-26dB Bandwidth NVNT n20 5200MHz Ant1



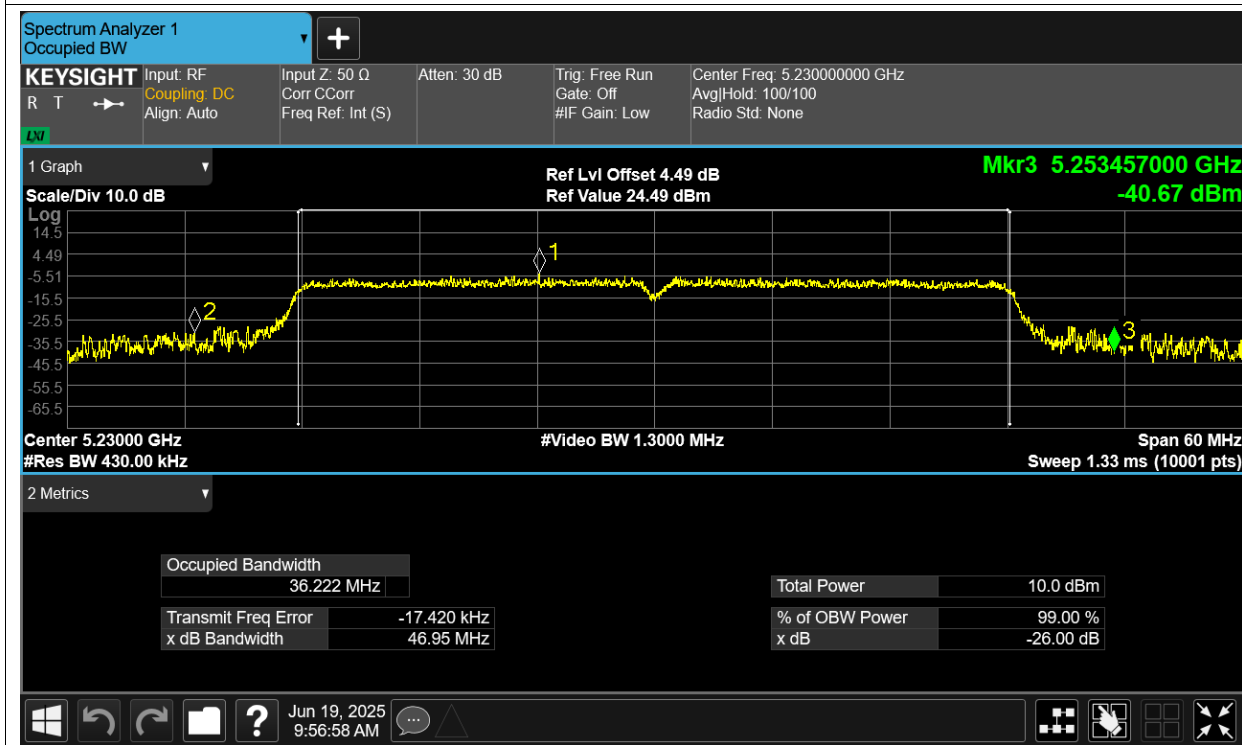
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



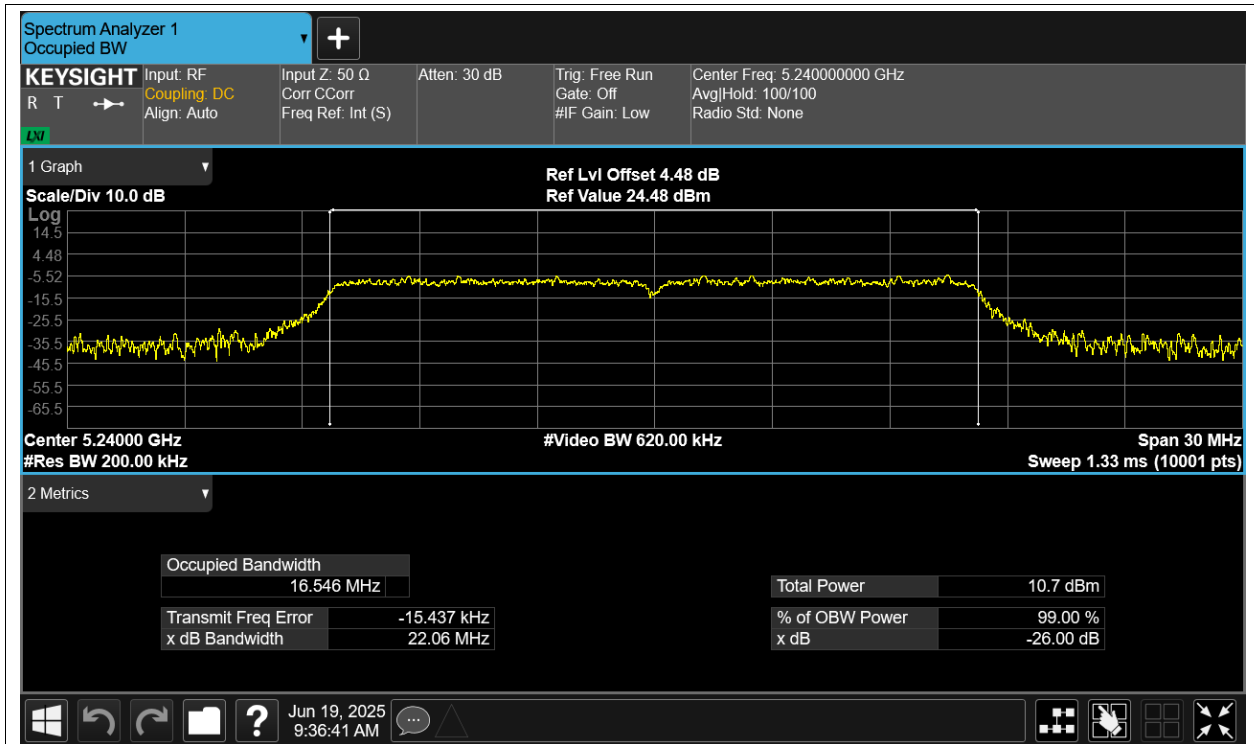
-26dB Bandwidth NVNT n40 5230MHz Ant1



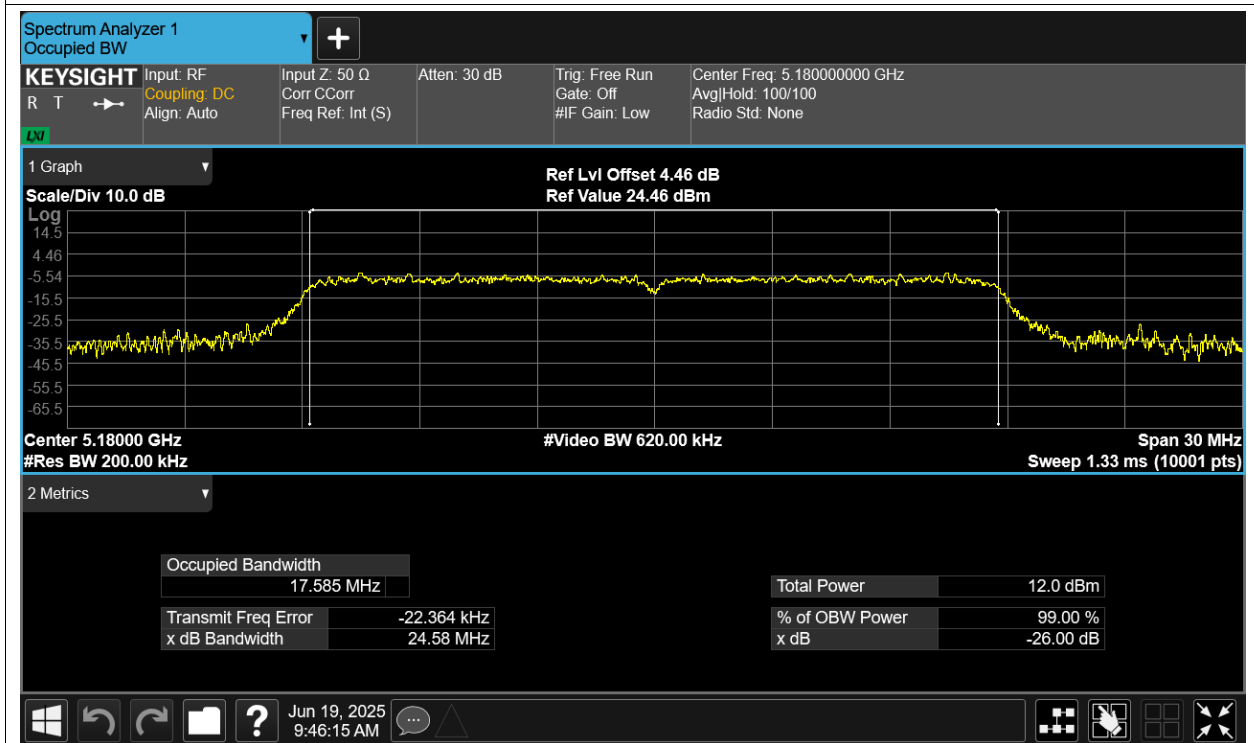
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.528
NVNT	a	5200	Ant1	16.546
NVNT	a	5240	Ant1	16.546
NVNT	ac20	5180	Ant1	17.585
NVNT	ac20	5200	Ant1	17.616
NVNT	ac20	5240	Ant1	17.614
NVNT	ac40	5190	Ant1	36.172
NVNT	ac40	5230	Ant1	36.143
NVNT	ac80	5210	Ant1	75.486
NVNT	n20	5180	Ant1	17.614
NVNT	n20	5200	Ant1	17.615
NVNT	n20	5240	Ant1	17.622
NVNT	n40	5190	Ant1	36.181
NVNT	n40	5230	Ant1	36.138

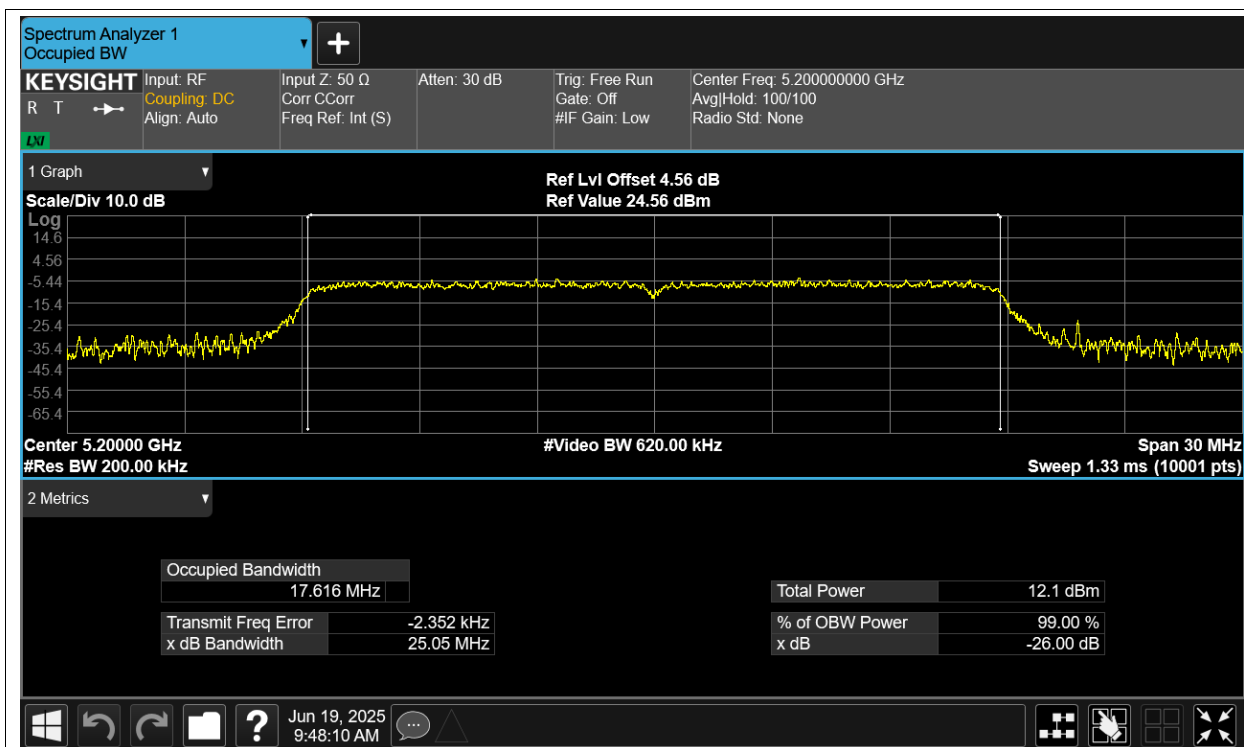




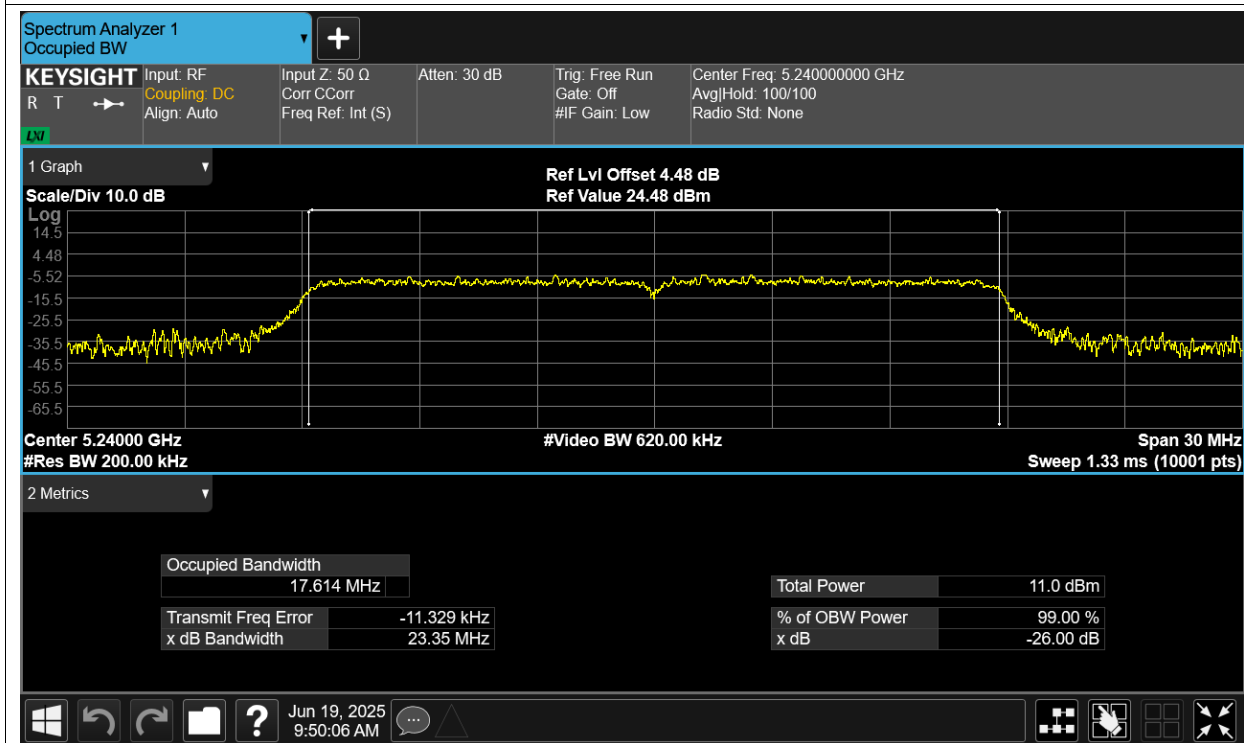
OBW NVNT ac20 5180MHz Ant1



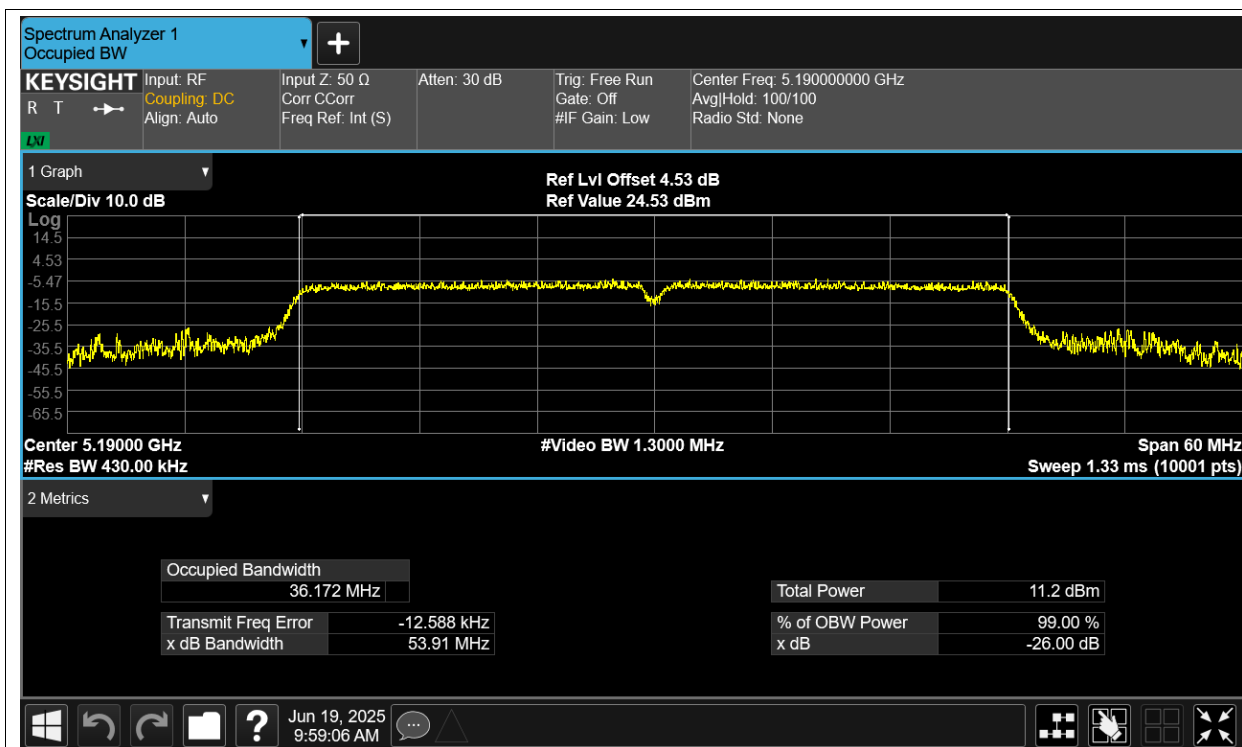
OBW NVNT ac20 5200MHz Ant1



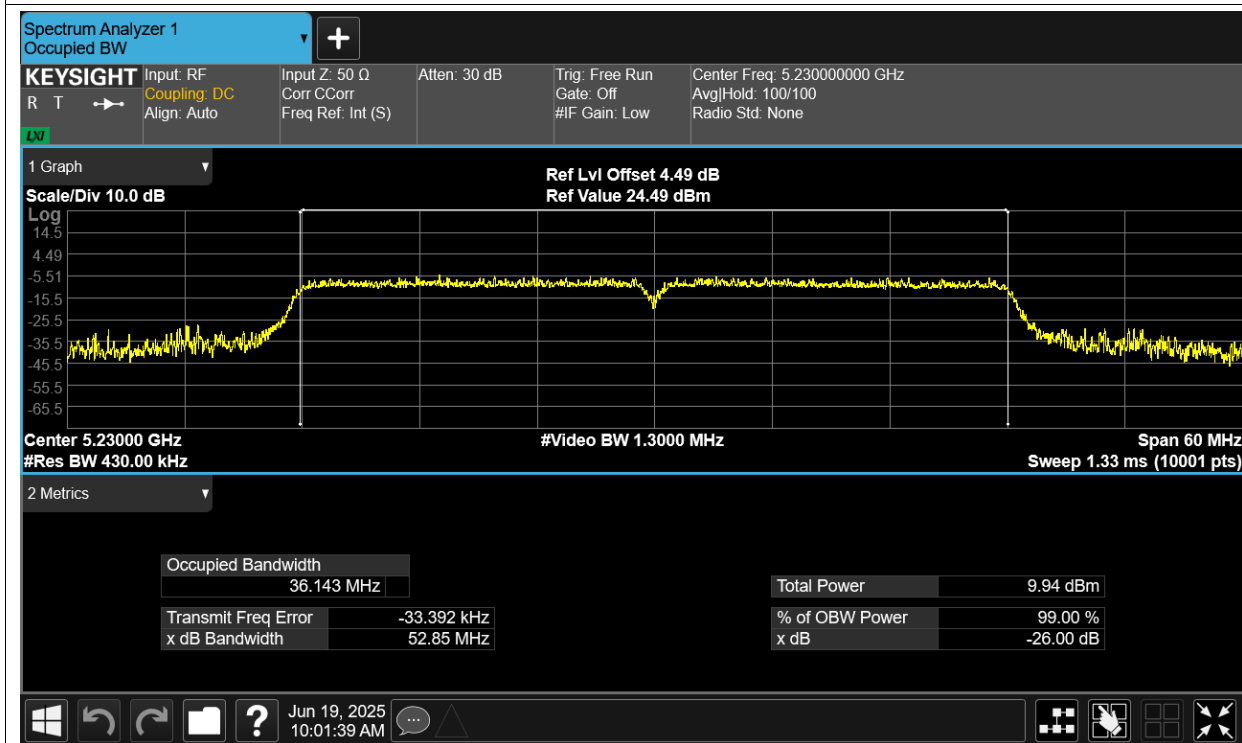
OBW NVNT ac20 5240MHz Ant1



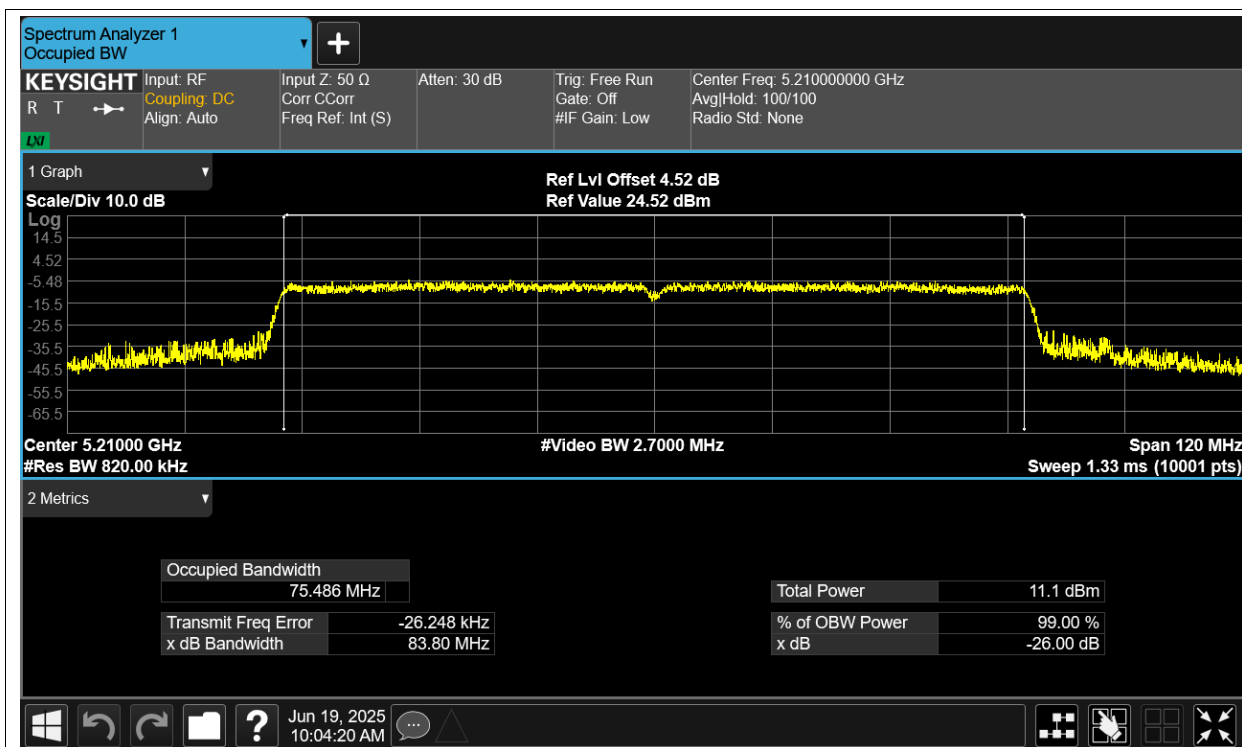
OBW NVNT ac40 5190MHz Ant1



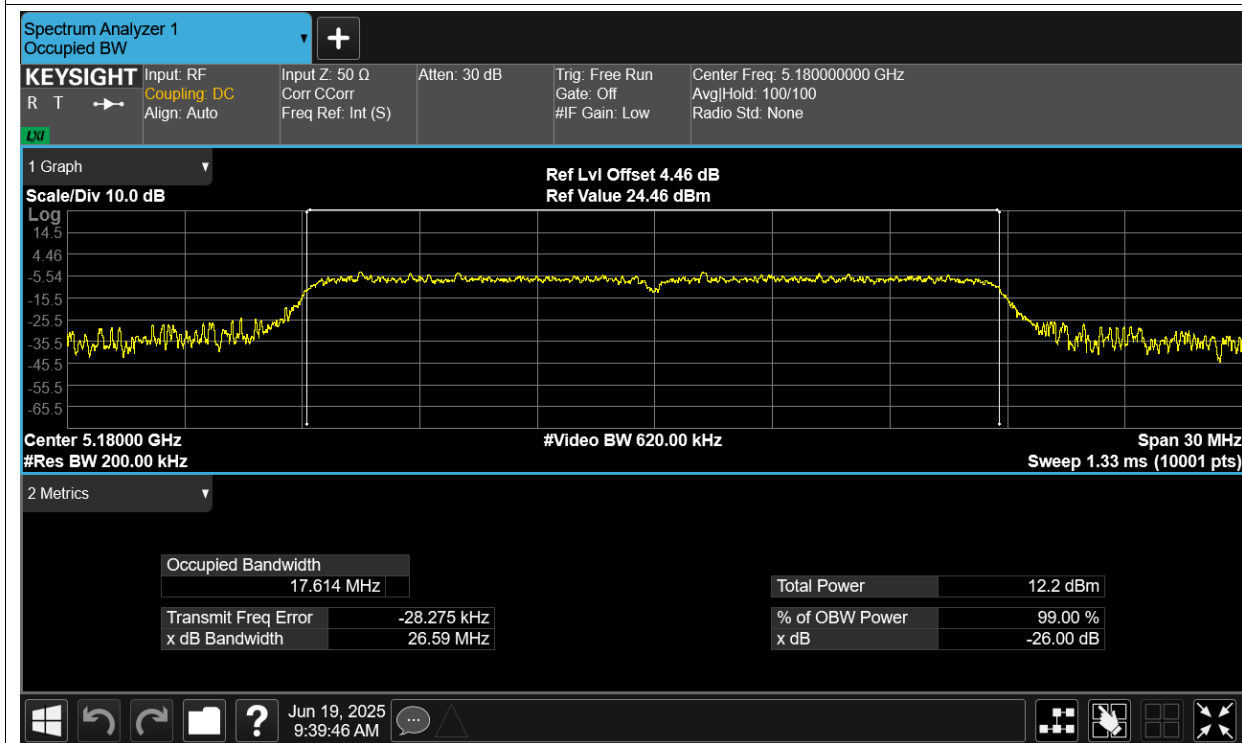
OBW NVNT ac40 5230MHz Ant1



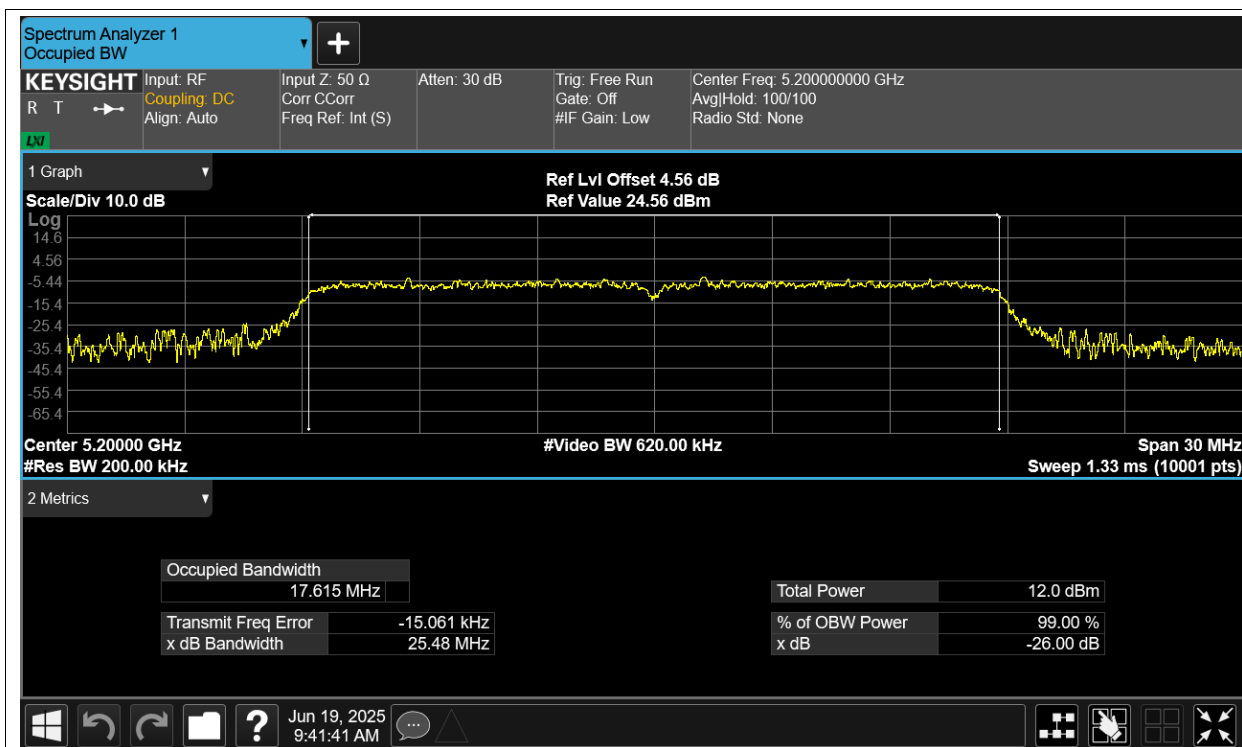
OBW NVNT ac80 5210MHz Ant1



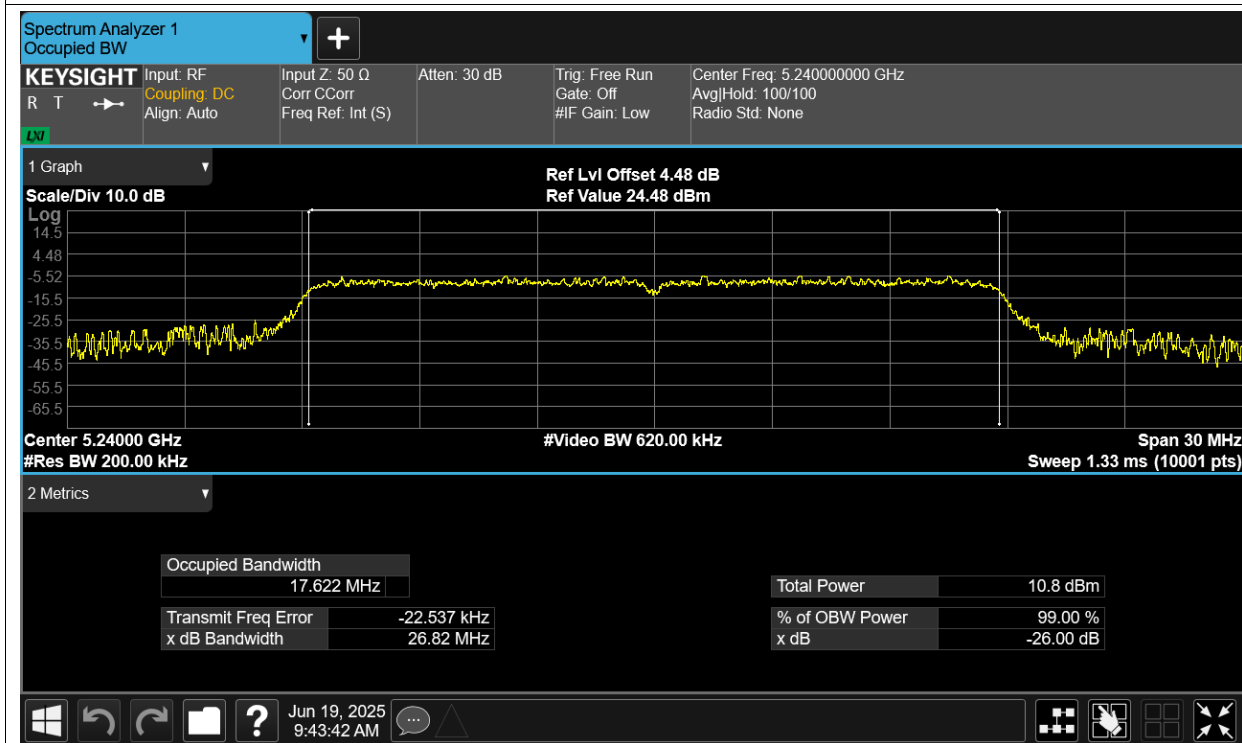
OBW NVNT n20 5180MHz Ant1



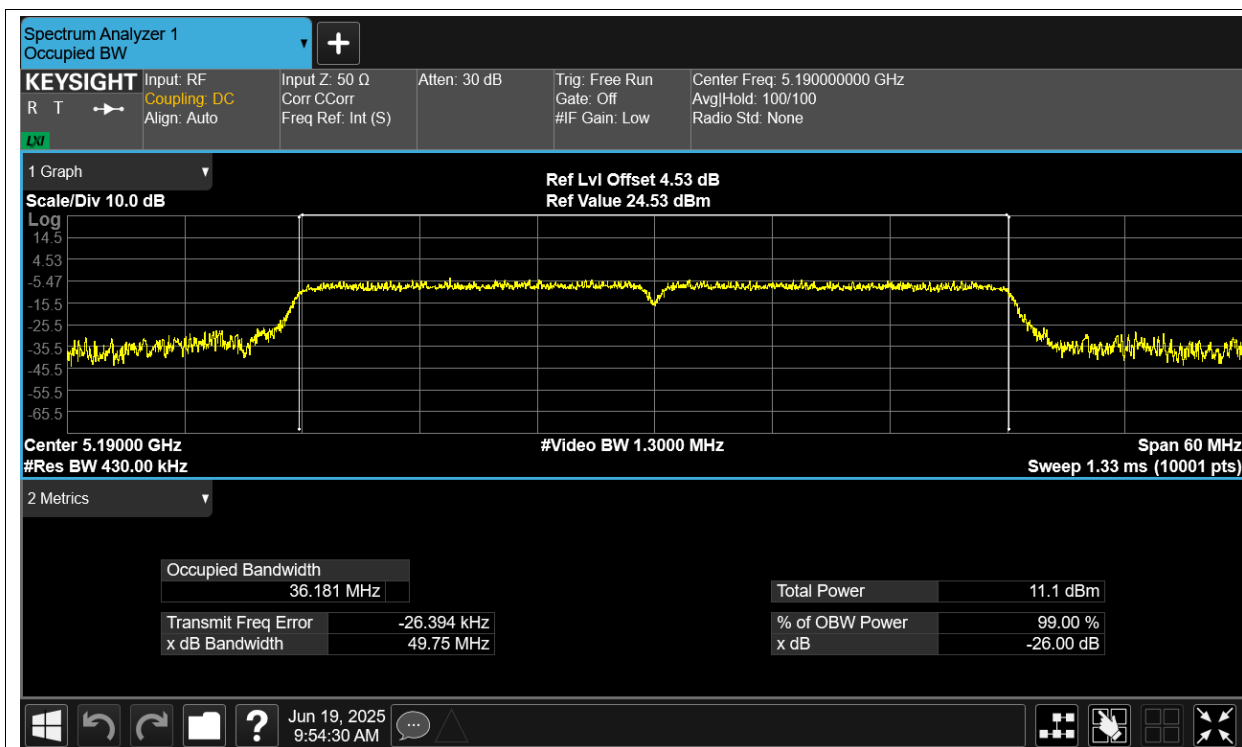
OBW NVNT n20 5200MHz Ant1



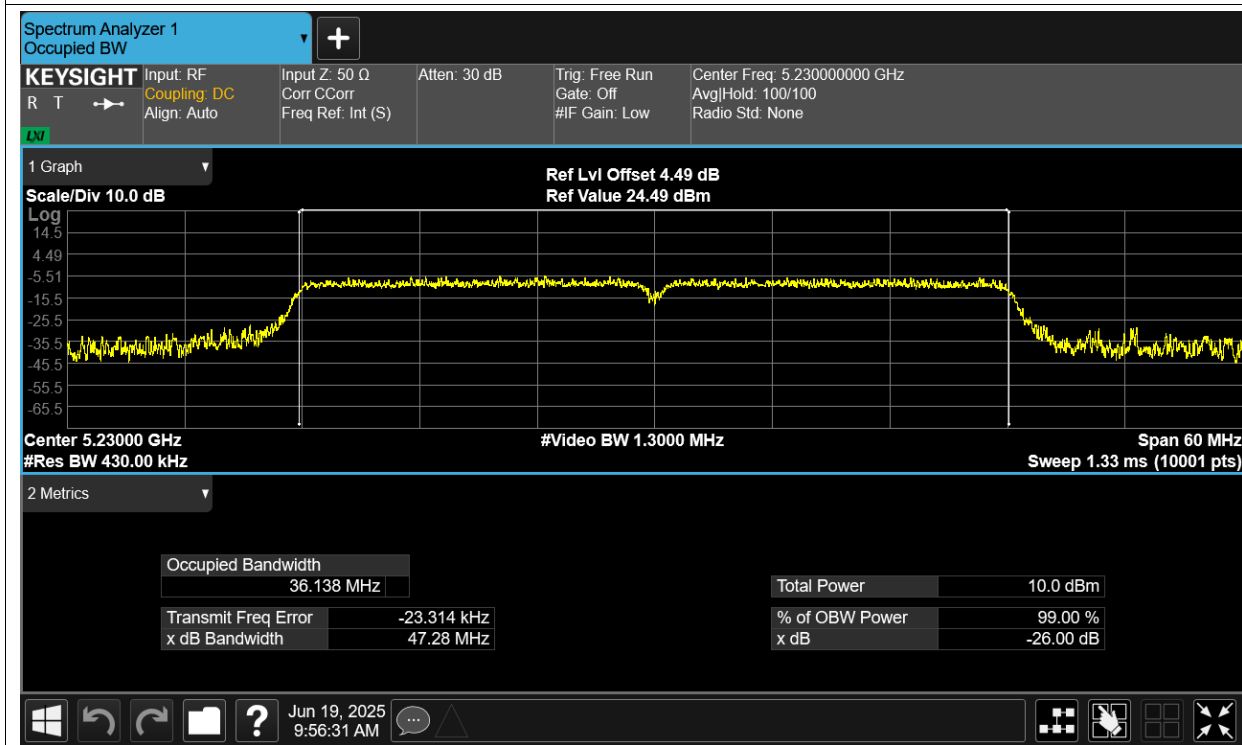
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

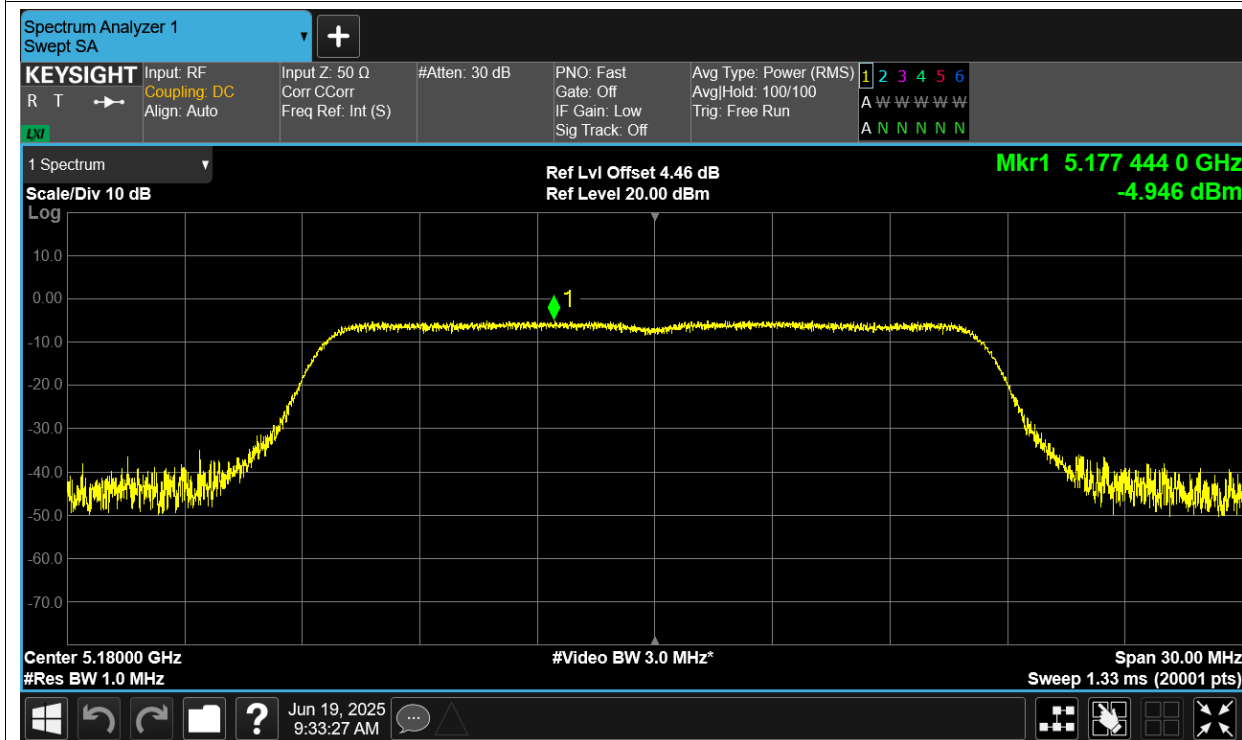


Maximum Power Spectral Density Level

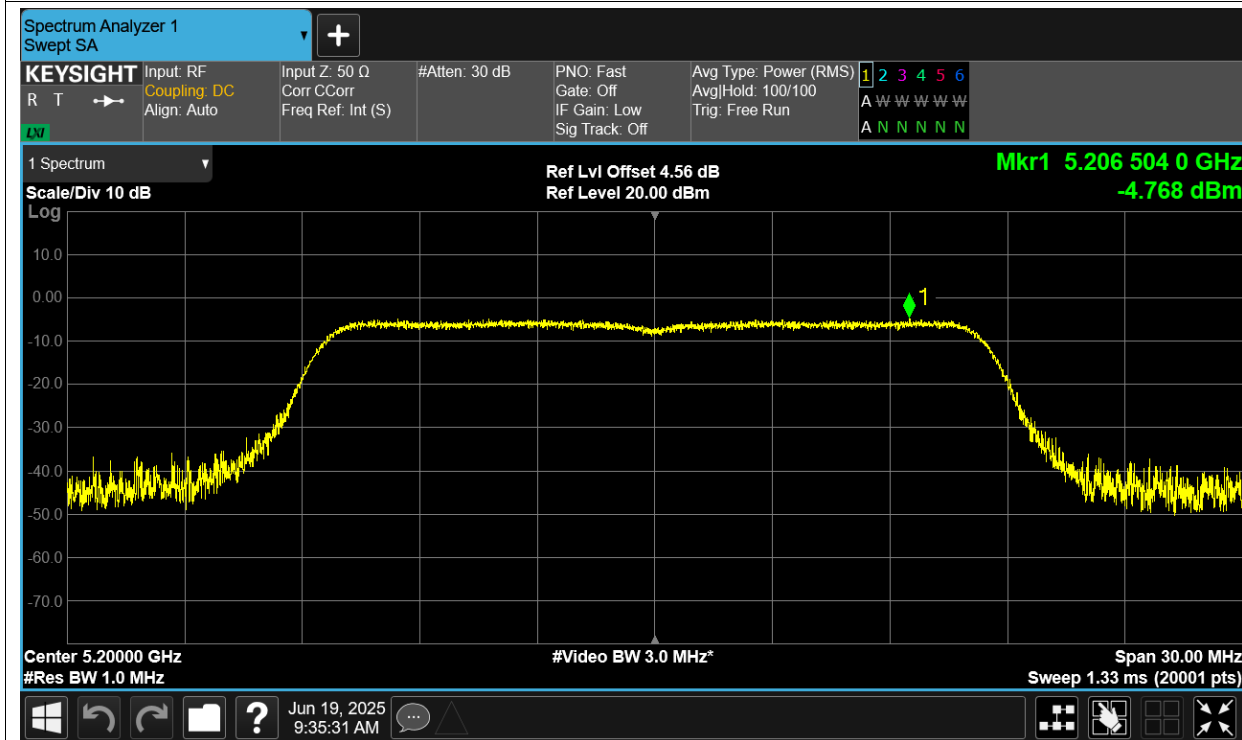
Condition	Mode	Frequency (MHz)	Antenna	Duty Factor (dB)	Max PSD (dBm)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.55	-4.946	-4.396	11	Pass
NVNT	a	5200	Ant1	0.55	-4.768	-4.218	11	Pass
NVNT	a	5240	Ant1	0.56	-5.759	-5.199	11	Pass
NVNT	ac20	5180	Ant1	0.65	-4.841	-4.191	11	Pass
NVNT	ac20	5200	Ant1	0.62	-4.528	-3.908	11	Pass
NVNT	ac20	5240	Ant1	0.62	-6.022	-5.402	11	Pass
NVNT	ac40	5190	Ant1	1.19	-9.159	-7.969	11	Pass
NVNT	ac40	5230	Ant1	1.21	-10.147	-8.937	11	Pass
NVNT	ac80	5210	Ant1	2.03	-13.759	-11.729	11	Pass
NVNT	n20	5180	Ant1	0.14	-3.789	-3.649	11	Pass
NVNT	n20	5200	Ant1	0.62	-4.763	-4.143	11	Pass
NVNT	n20	5240	Ant1	0.62	-6.109	-5.489	11	Pass
NVNT	n40	5190	Ant1	1.23	-8.999	-7.769	11	Pass
NVNT	n40	5230	Ant1	1.19	-10.115	-8.925	11	Pass

Test Graphs

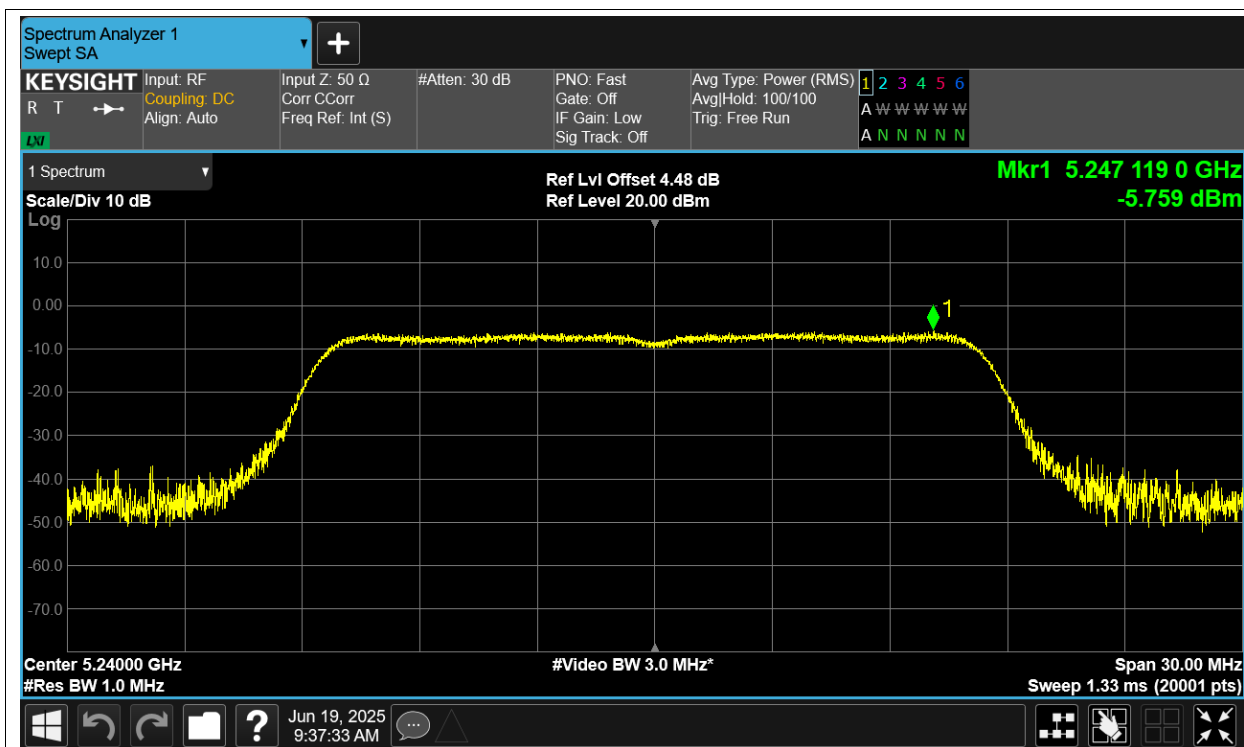
PSD NVNT a 5180MHz Ant1



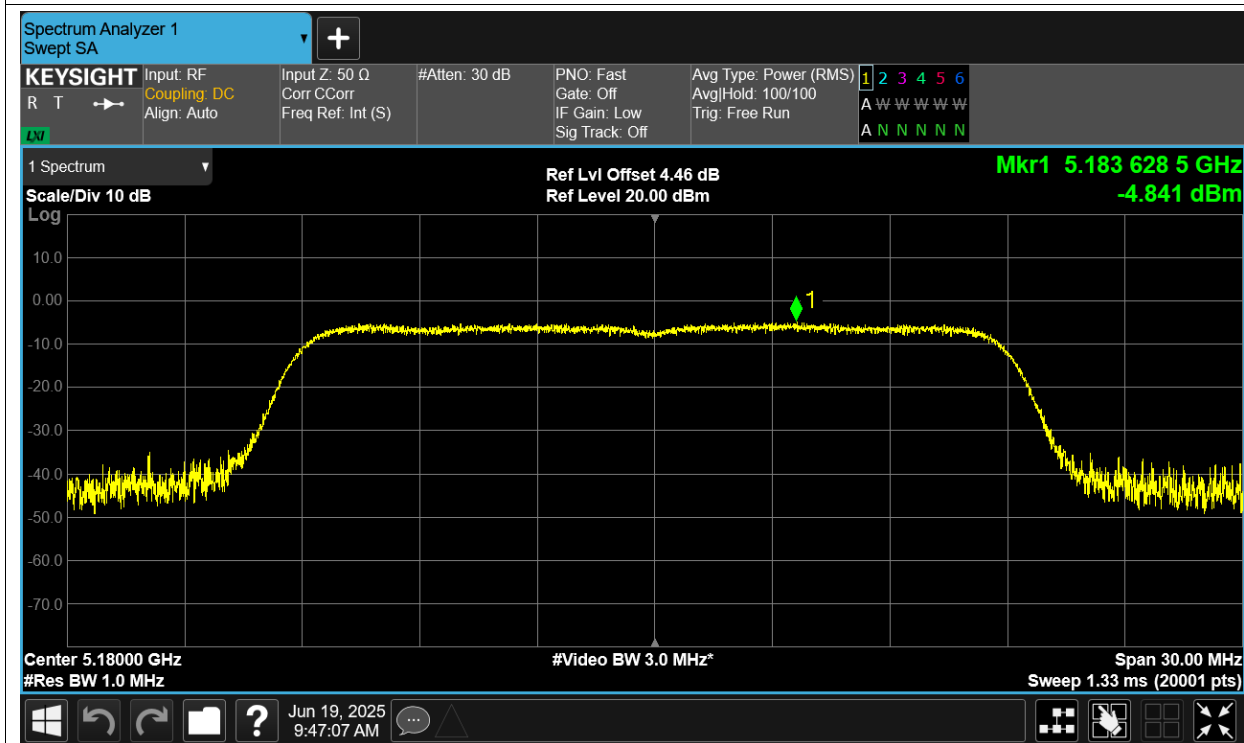
PSD NVNT a 5200MHz Ant1



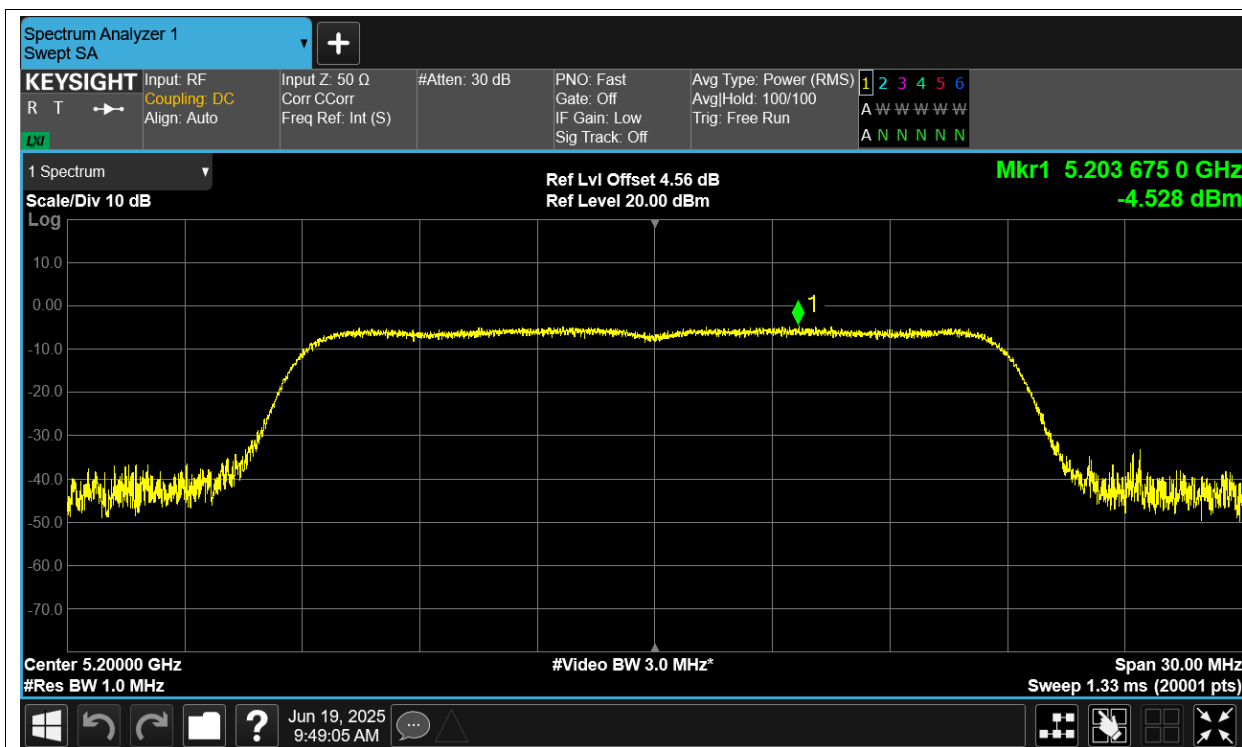
PSD NVNT a 5240MHz Ant1



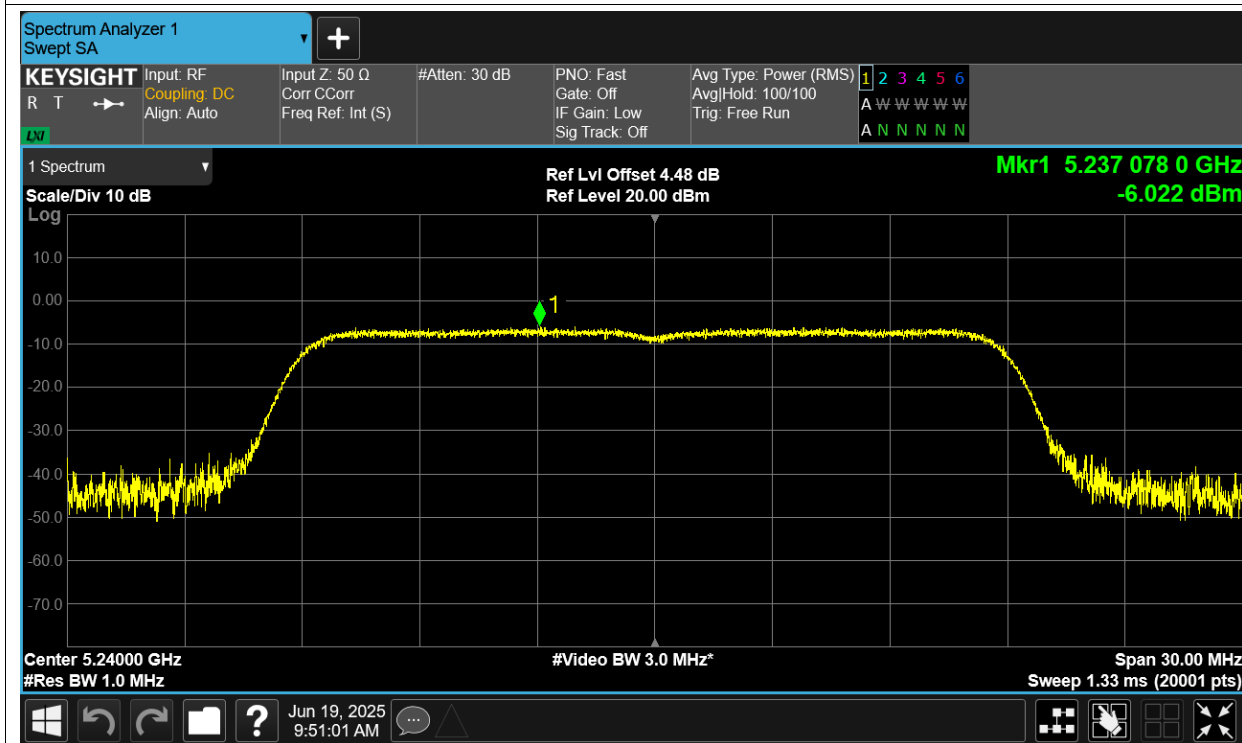
PSD NVNT ac20 5180MHz Ant1



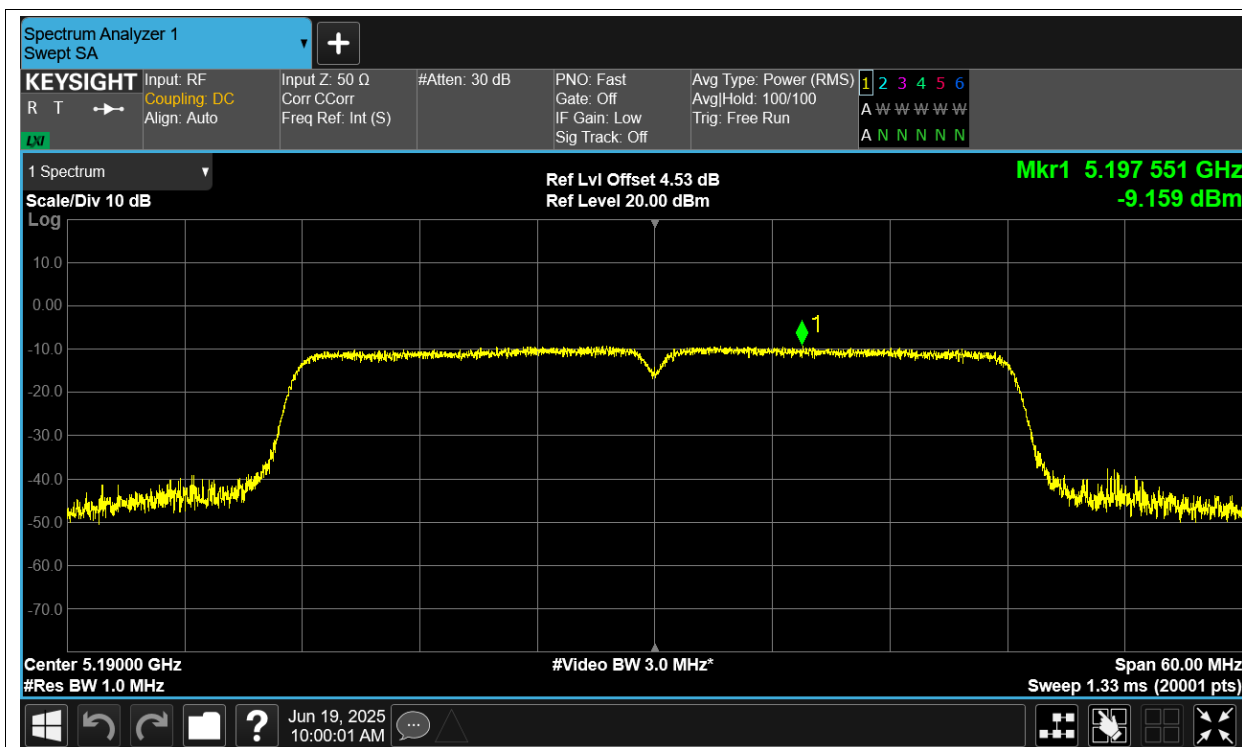
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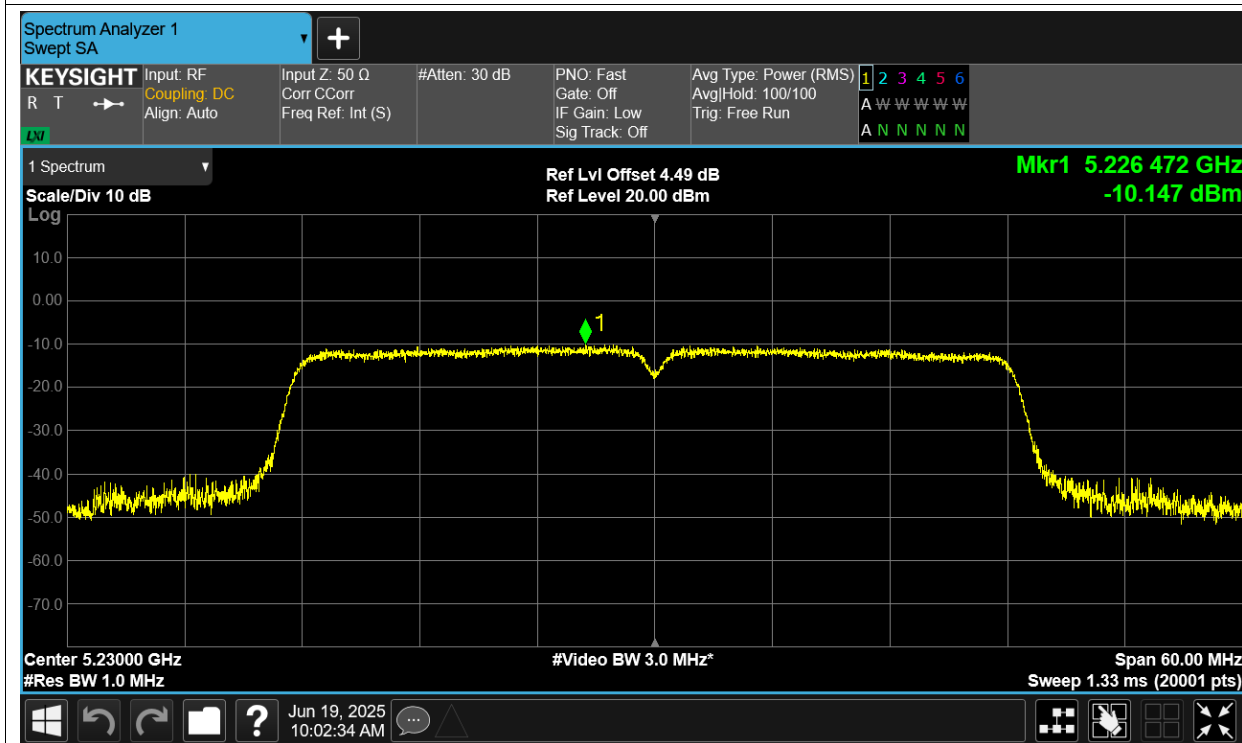
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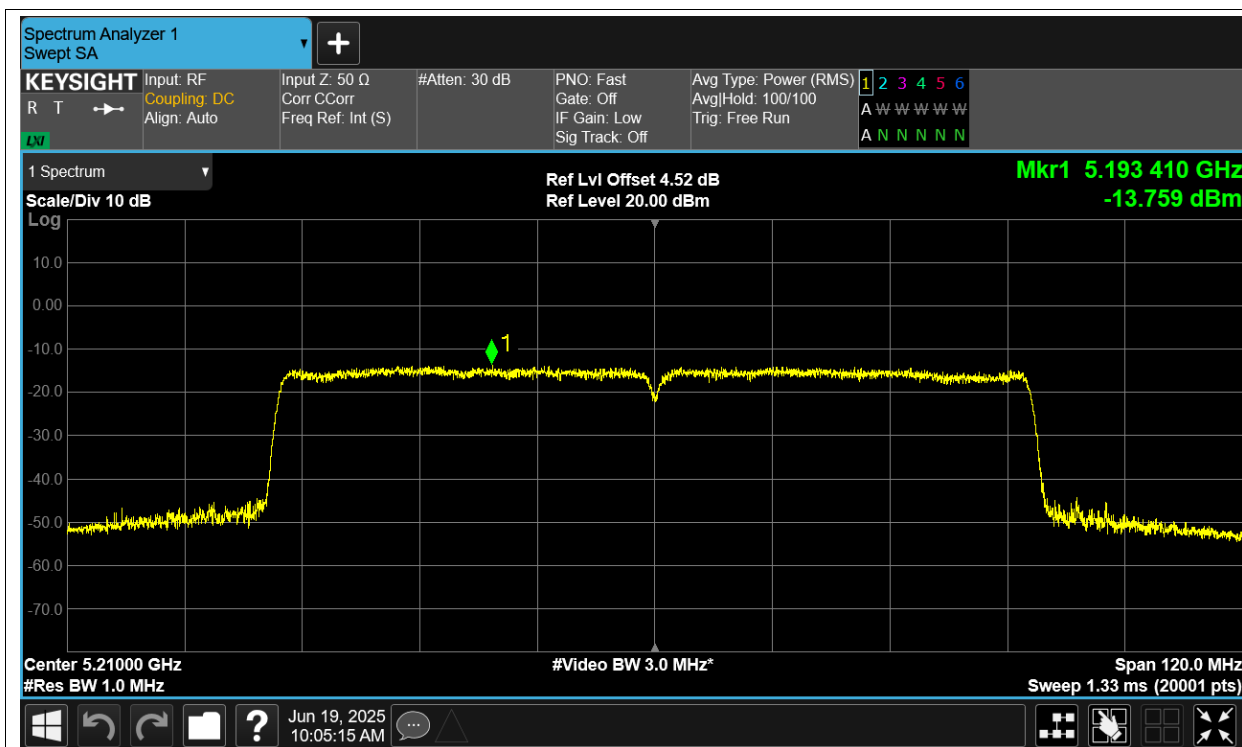
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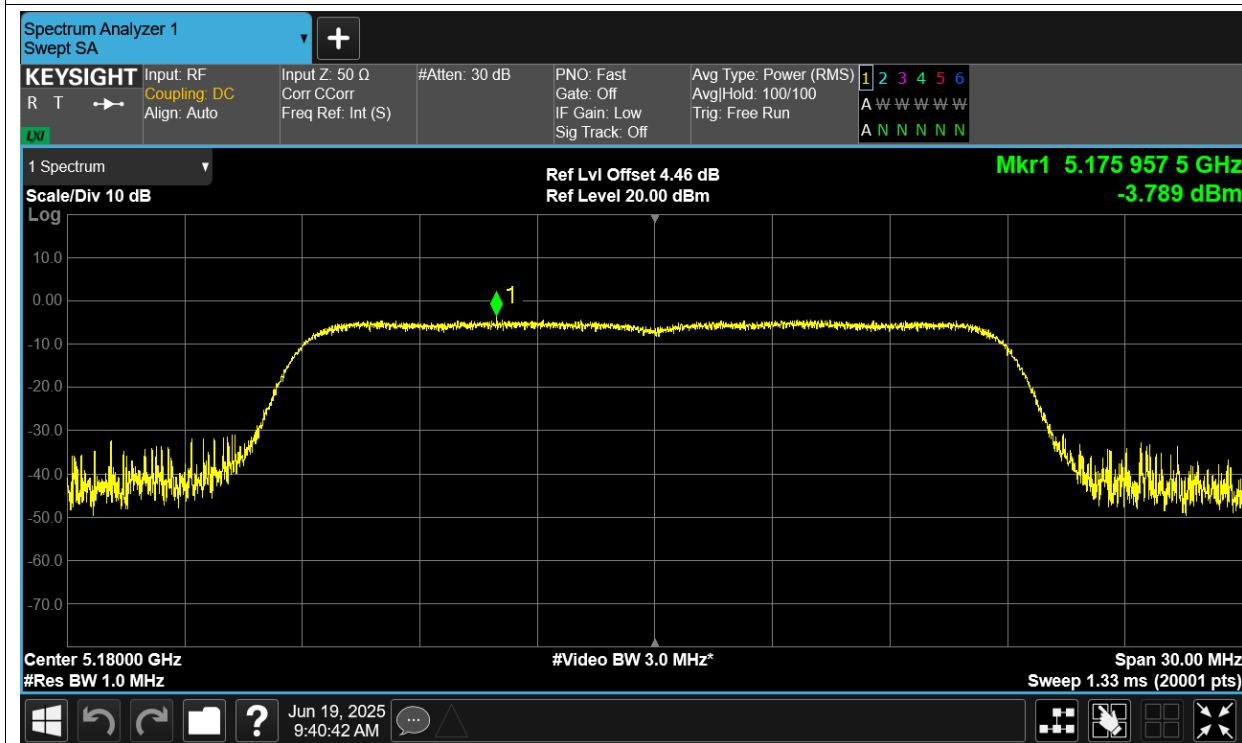
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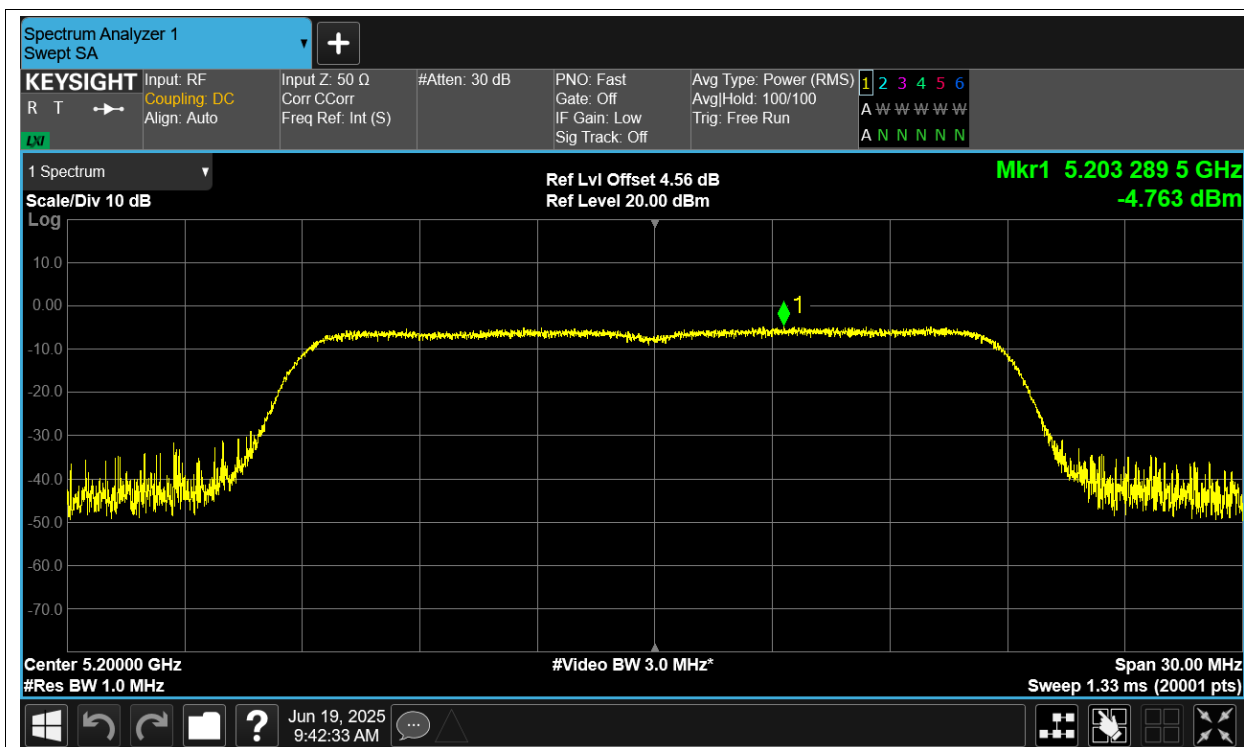
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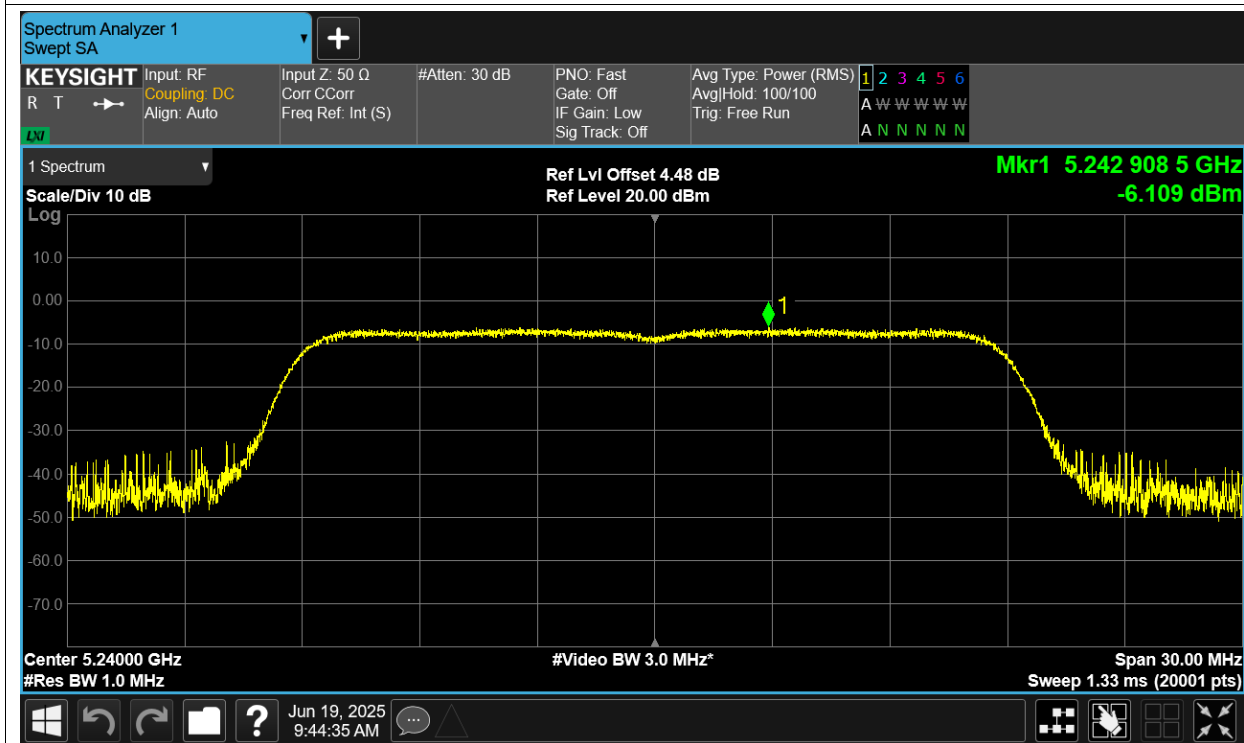
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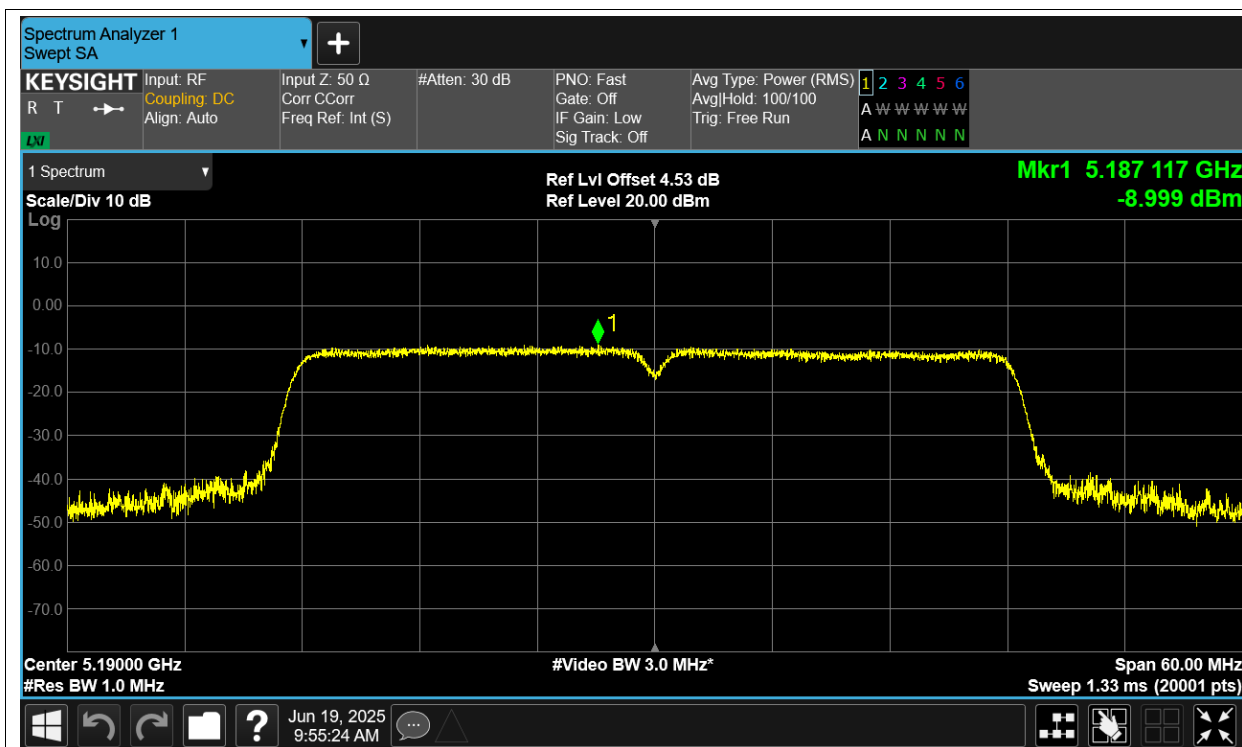
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

