

Test Data

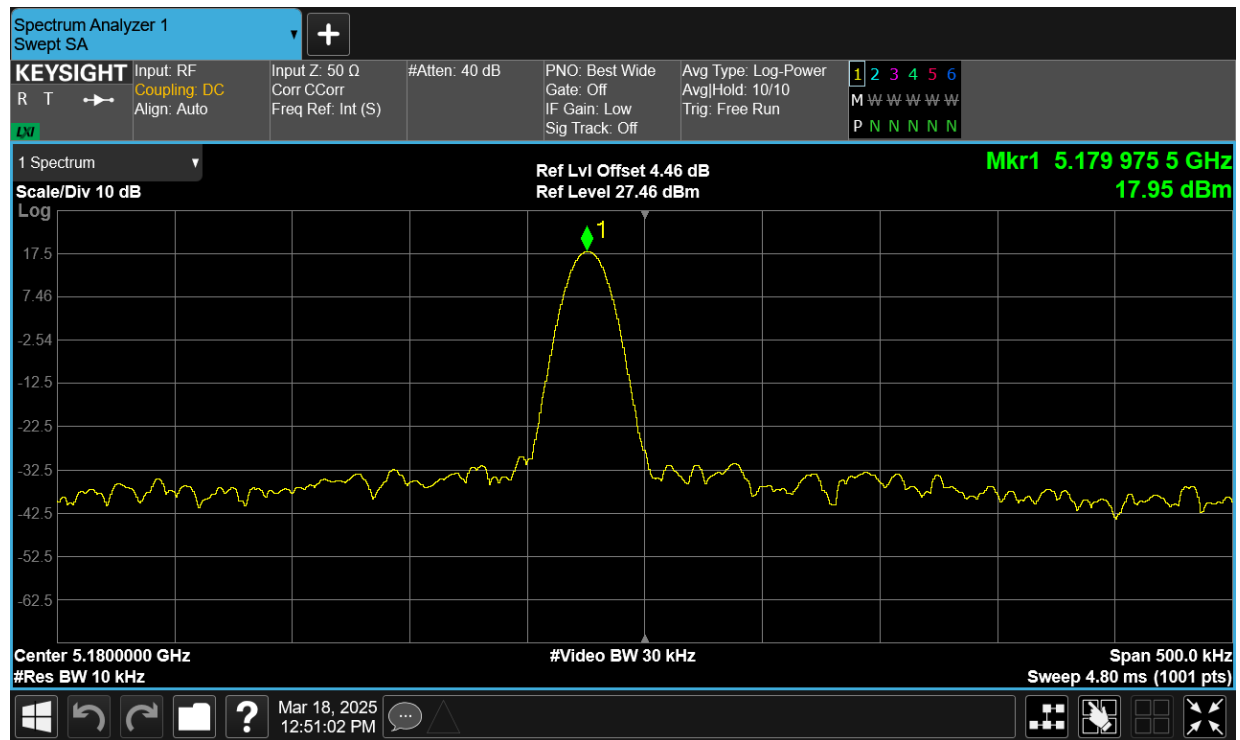
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant12	5179.9755	-4.73	Within authorized band	Pass
LVNT	a	5180	Ant12	5179.976	-4.63		Pass
NVHT	a	5180	Ant12	5179.976	-4.63		Pass
NVLT	a	5180	Ant12	5179.9765	-4.54		Pass
NVNT	a	5180	Ant12	5179.978	-4.25		Pass
HVNT	ac80	5210	Ant12	5209.9745	-4.89		Pass
LVNT	ac80	5210	Ant12	5209.9745	-4.89		Pass
NVHT	ac80	5210	Ant12	5209.974	-4.99		Pass
NVLT	ac80	5210	Ant12	5209.9745	-4.89		Pass
NVNT	ac80	5210	Ant12	5209.974825523	-4.83		Pass
HVNT	n40	5190	Ant12	5189.9745	-4.91		Pass
LVNT	n40	5190	Ant12	5189.9745	-4.91		Pass
NVHT	n40	5190	Ant12	5189.975	-4.82		Pass
NVLT	n40	5190	Ant12	5189.9755	-4.72		Pass
NVNT	n40	5190	Ant12	5189.976	-4.62		Pass

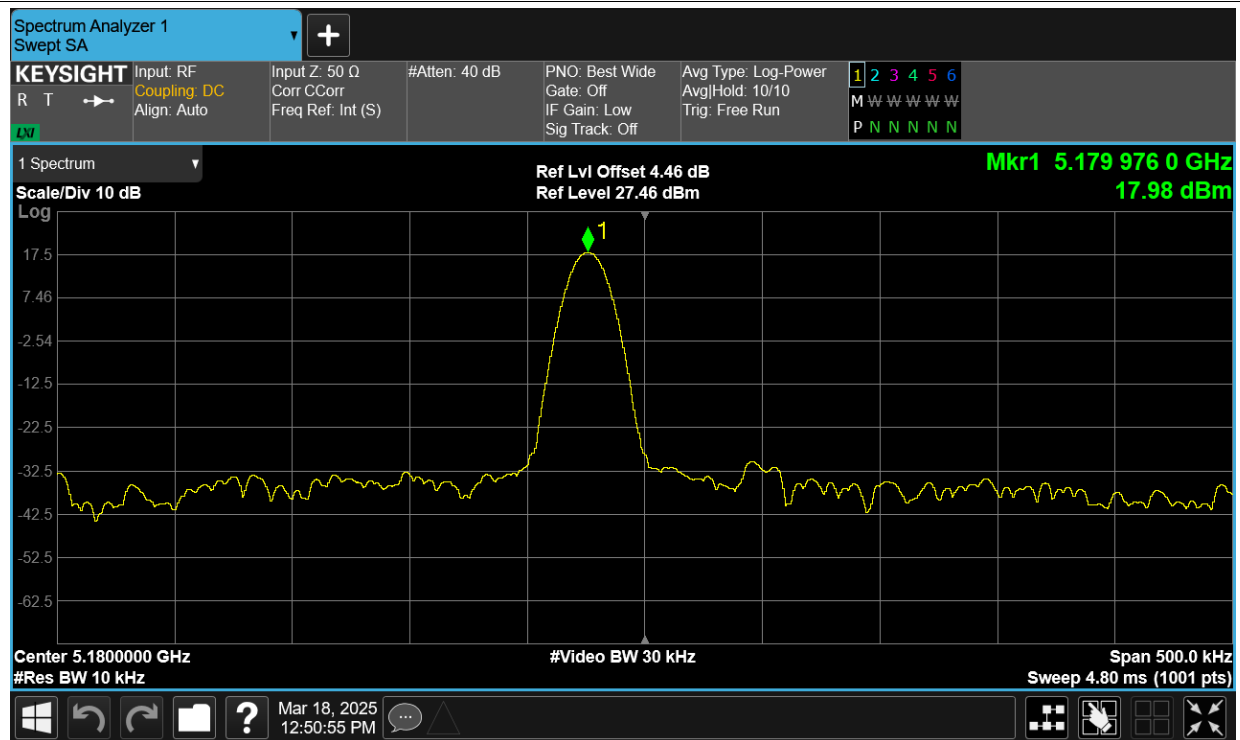
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

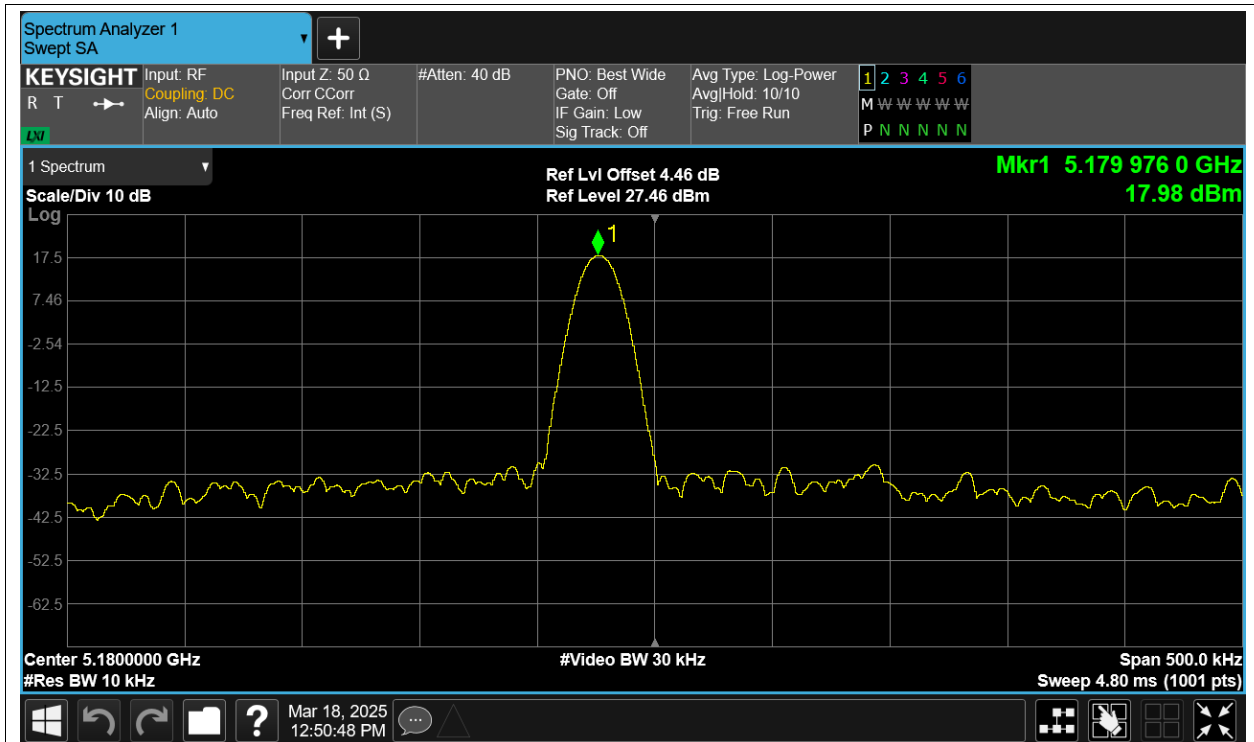
Freq. Stability HVNT a 5180MHz Ant12



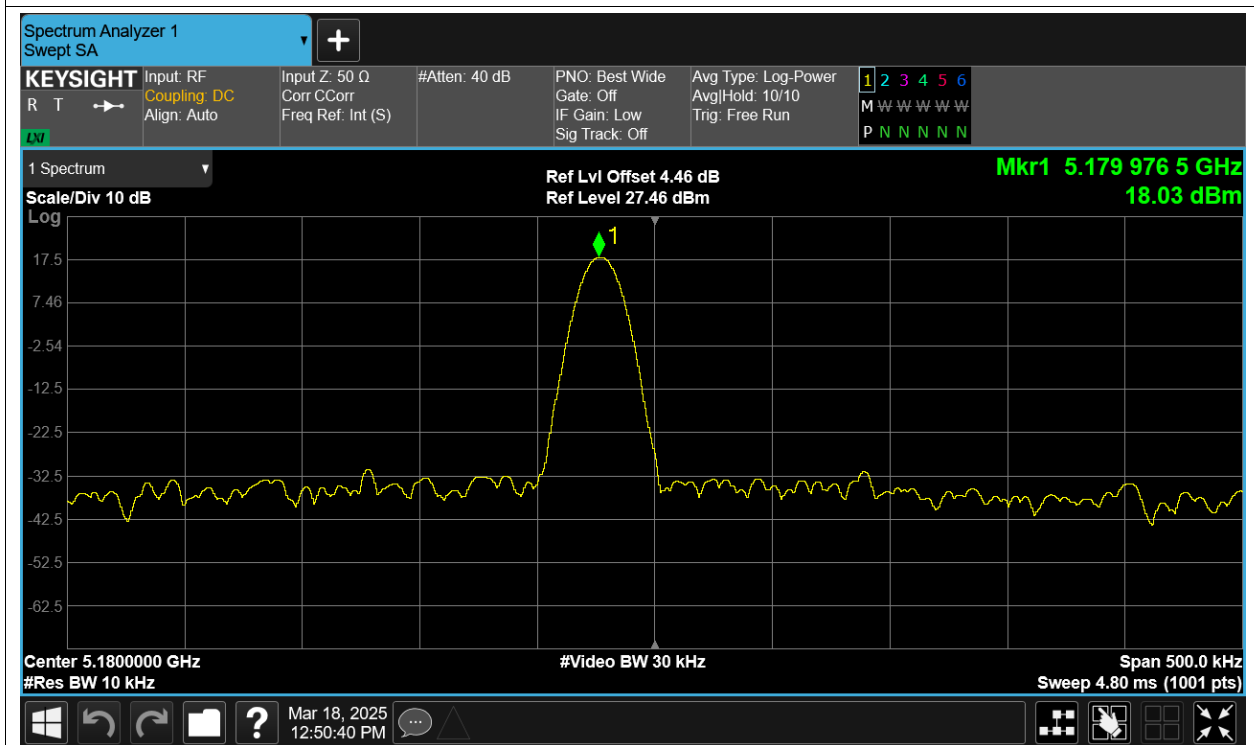
Freq. Stability LVNT a 5180MHz Ant12



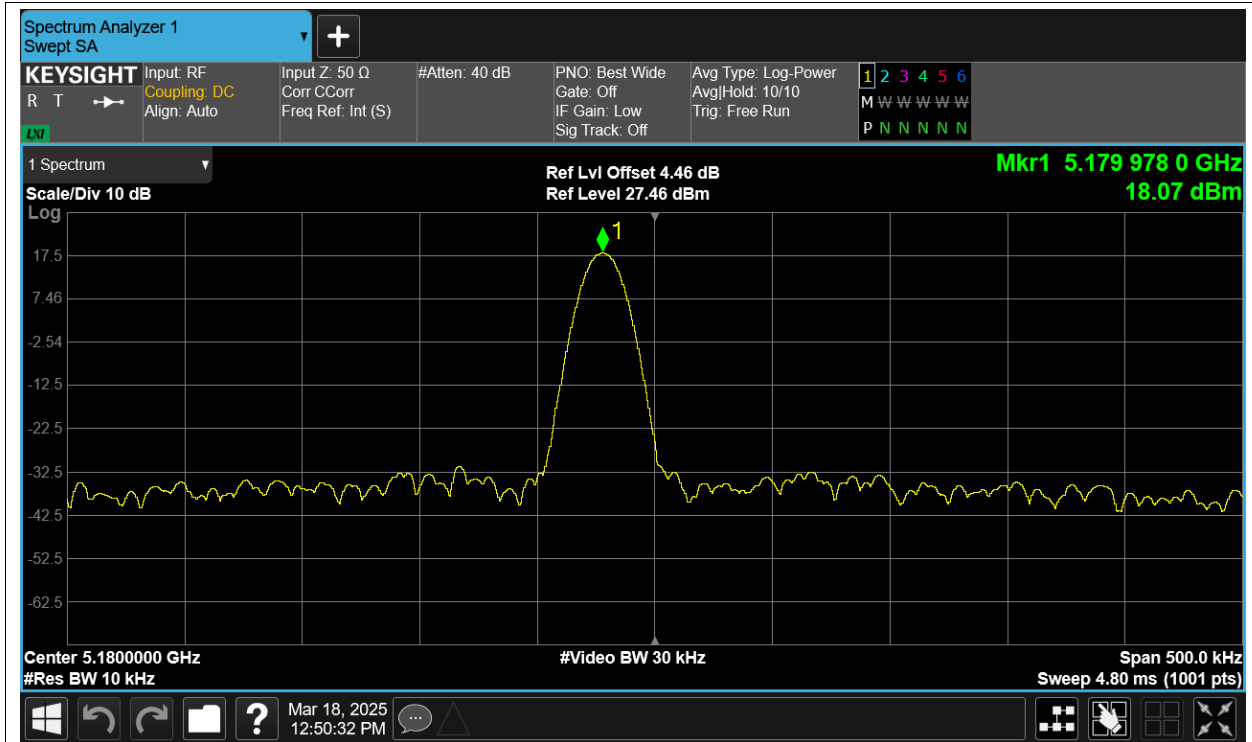
Freq. Stability NVHT a 5180MHz Ant12



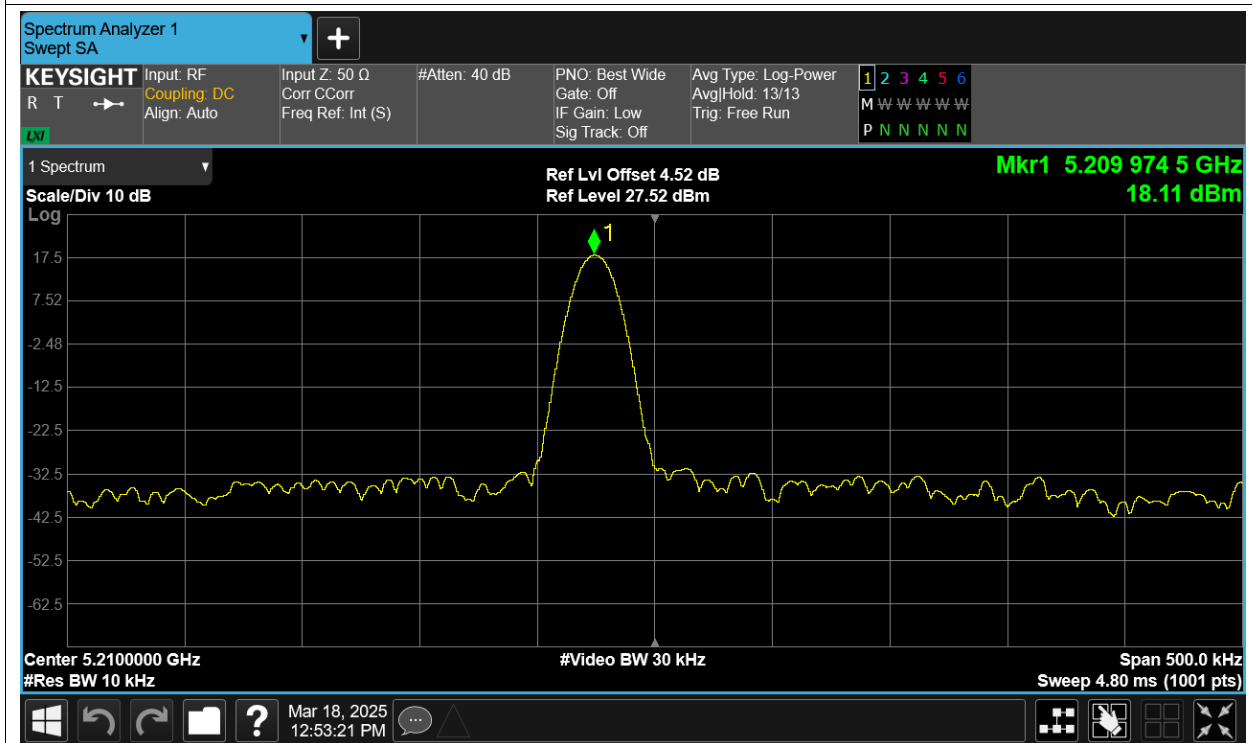
Freq. Stability NVLT a 5180MHz Ant12



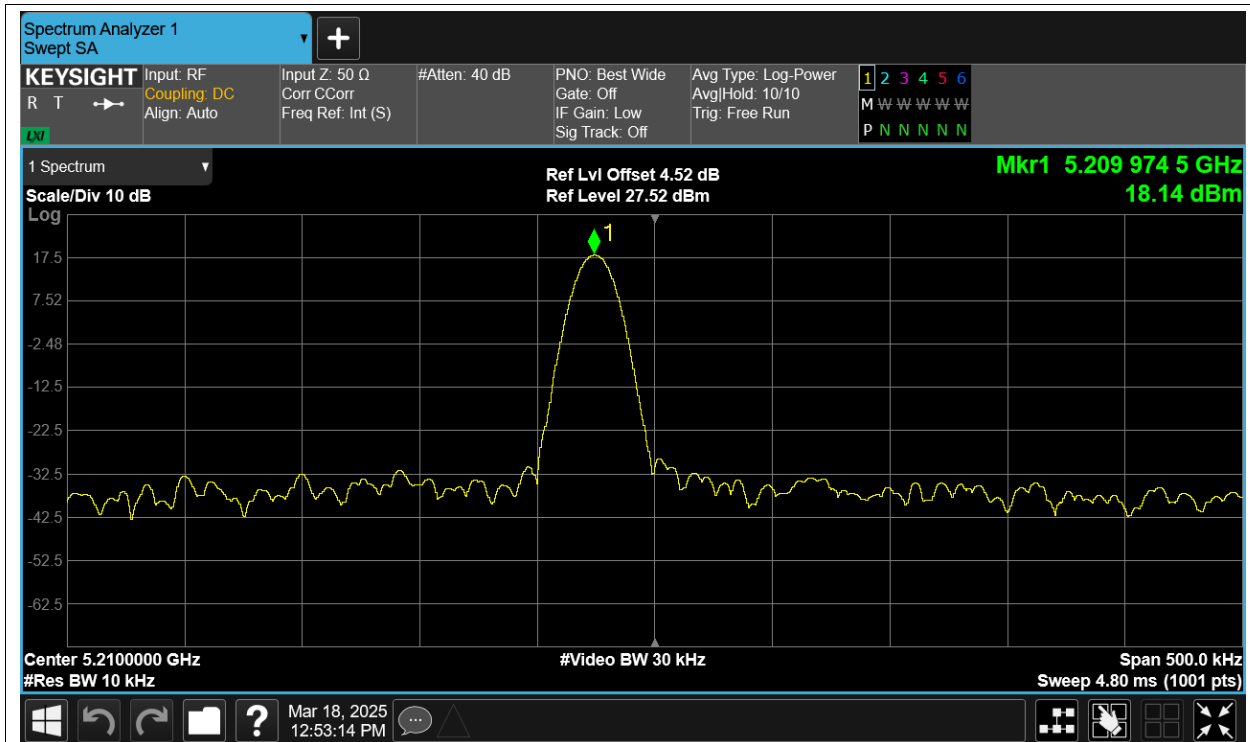
Freq. Stability NVNT a 5180MHz Ant12



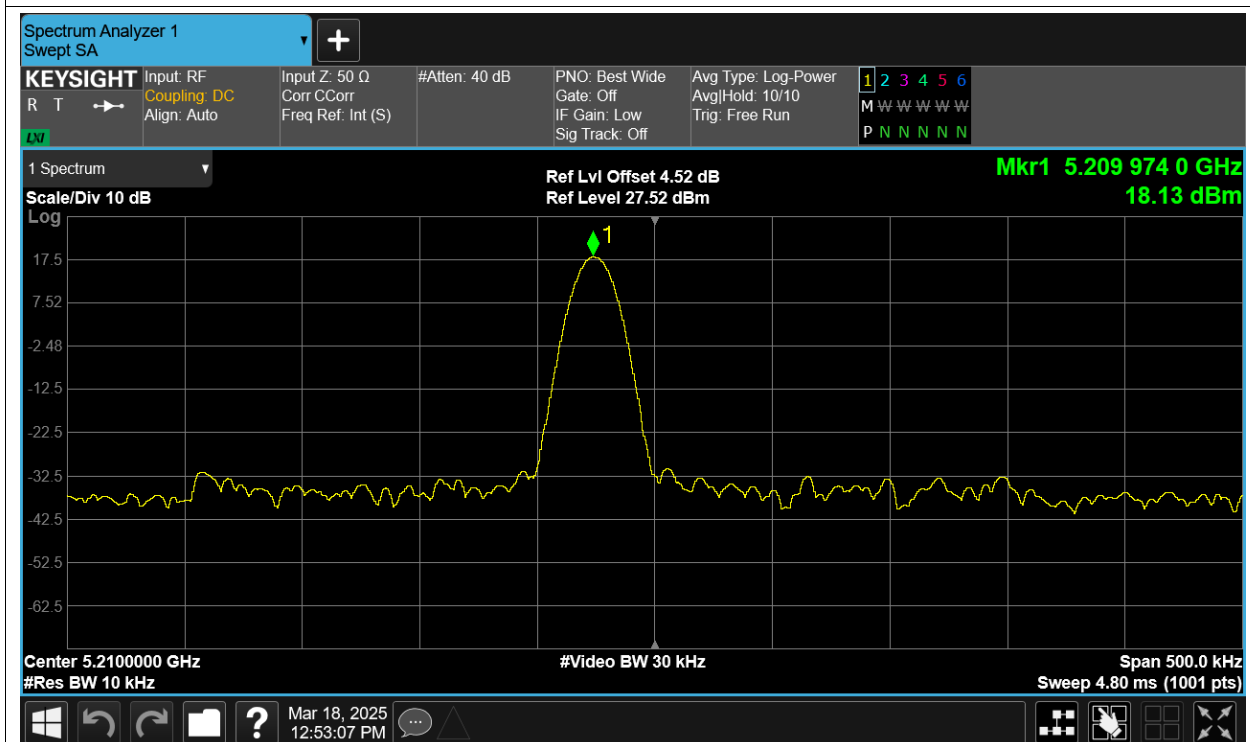
Freq. Stability HVNT ac80 5210MHz Ant12



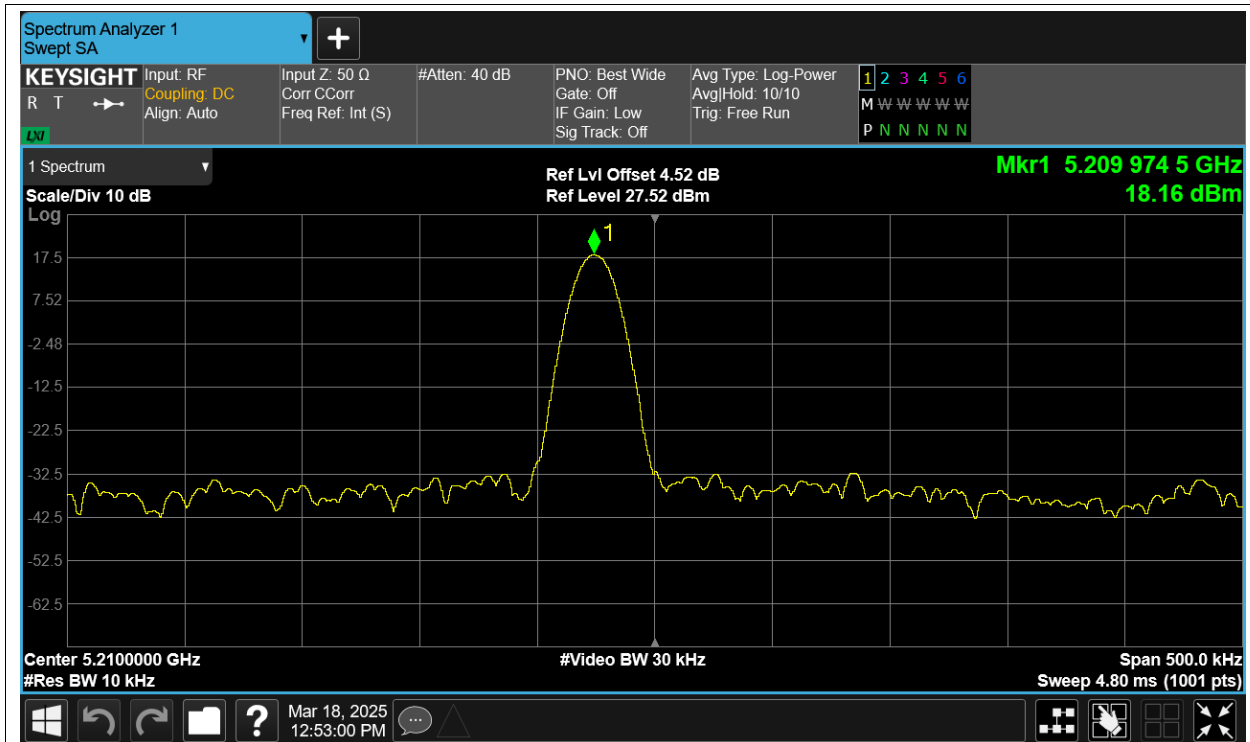
Freq. Stability LVNT ac80 5210MHz Ant12



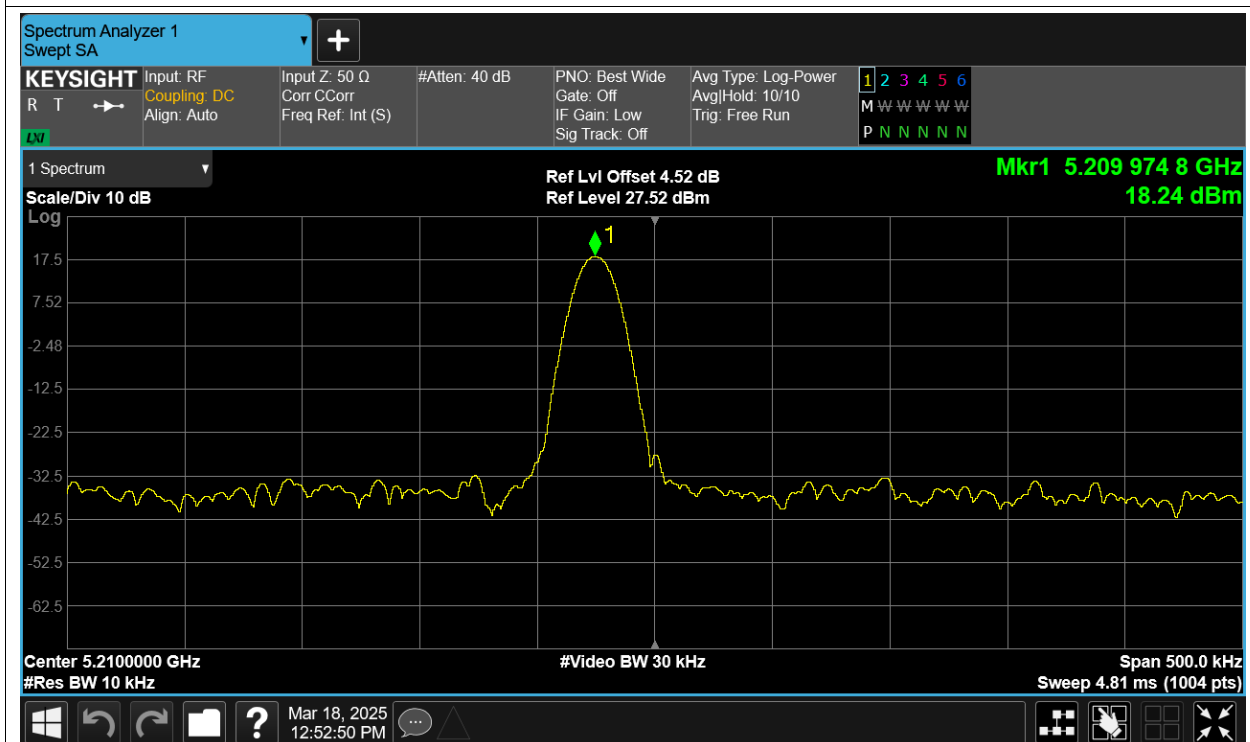
Freq. Stability NVHT ac80 5210MHz Ant12



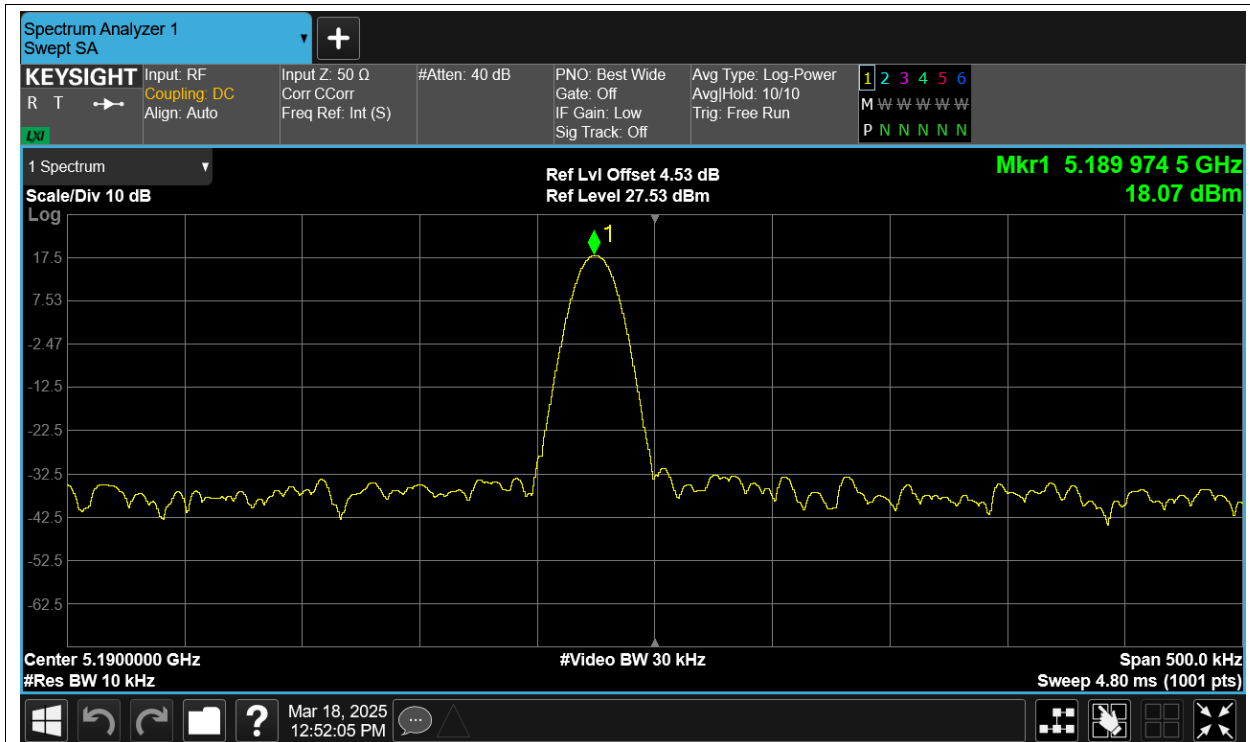
Freq. Stability NVLT ac80 5210MHz Ant12



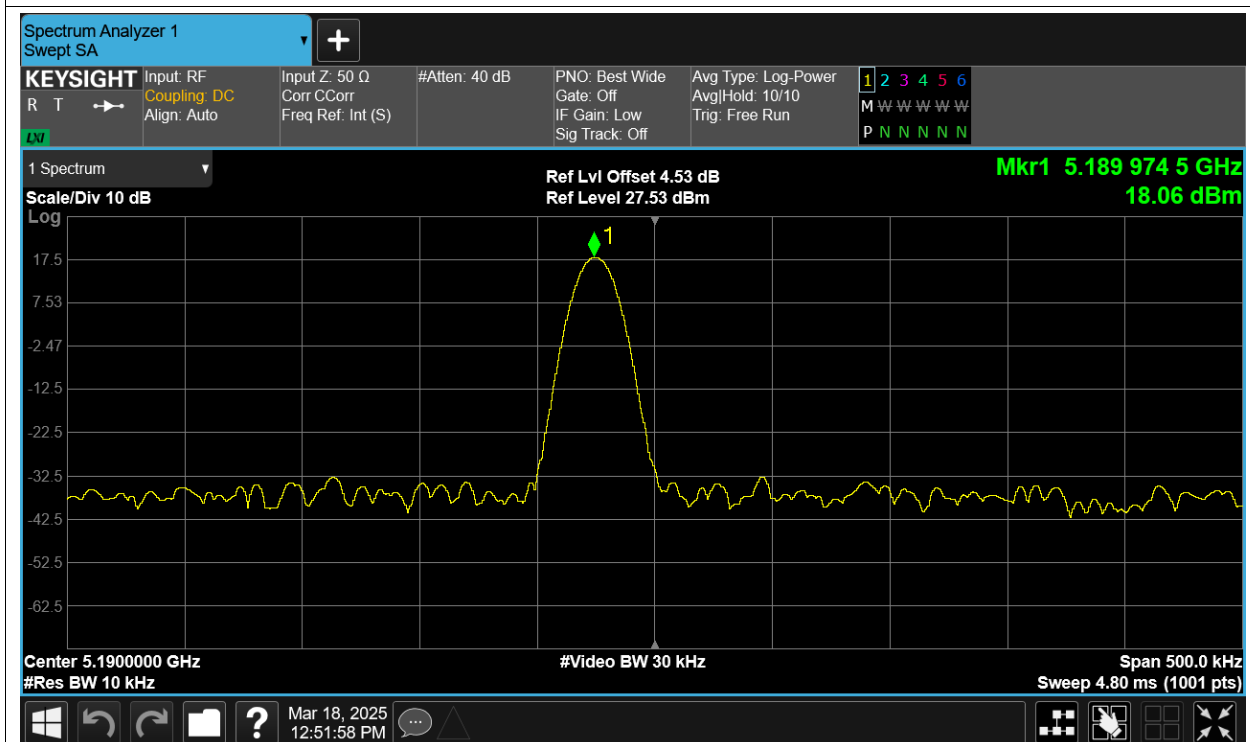
Freq. Stability NVNT ac80 5210MHz Ant12



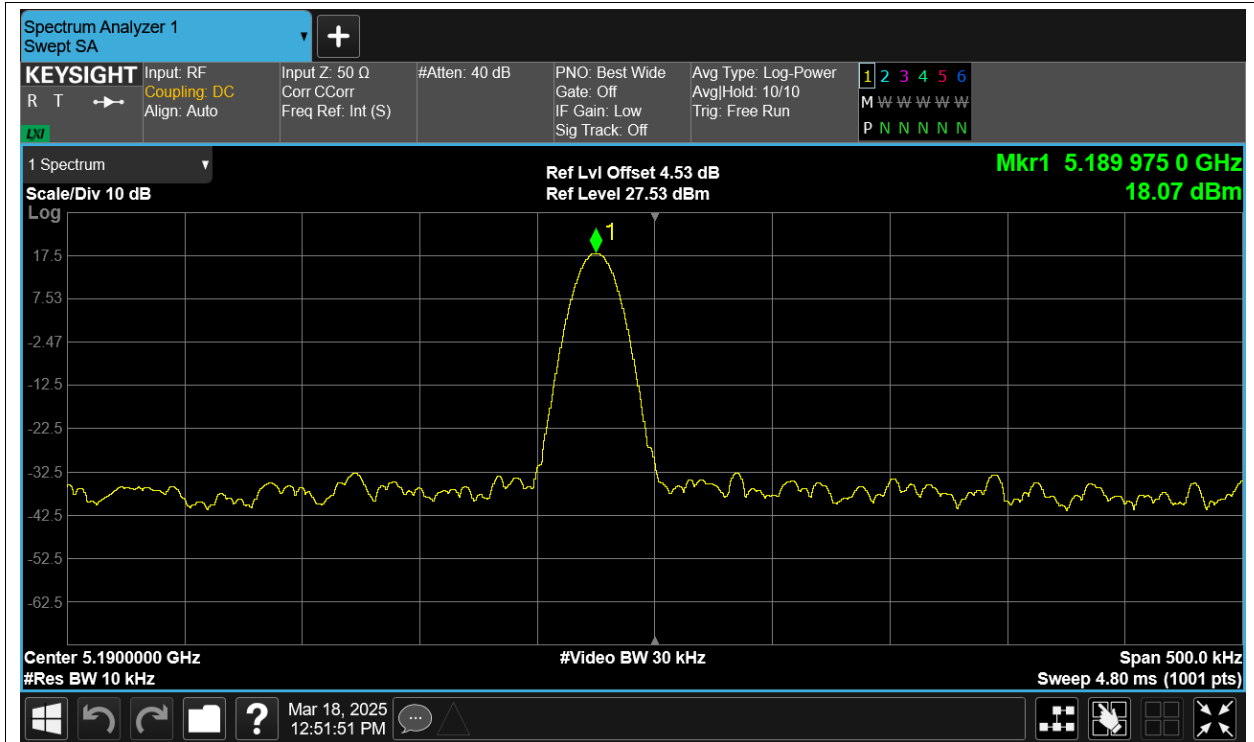
Freq. Stability HVNT n40 5190MHz Ant12



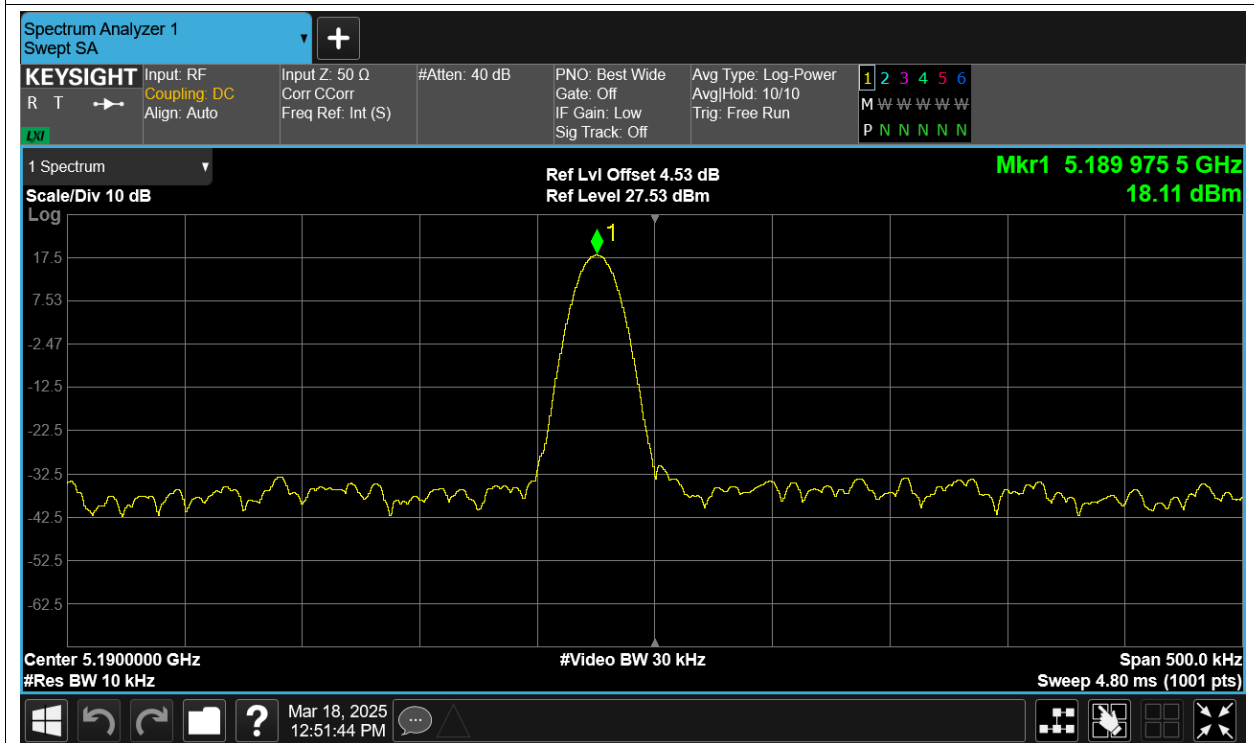
Freq. Stability LVNT n40 5190MHz Ant12



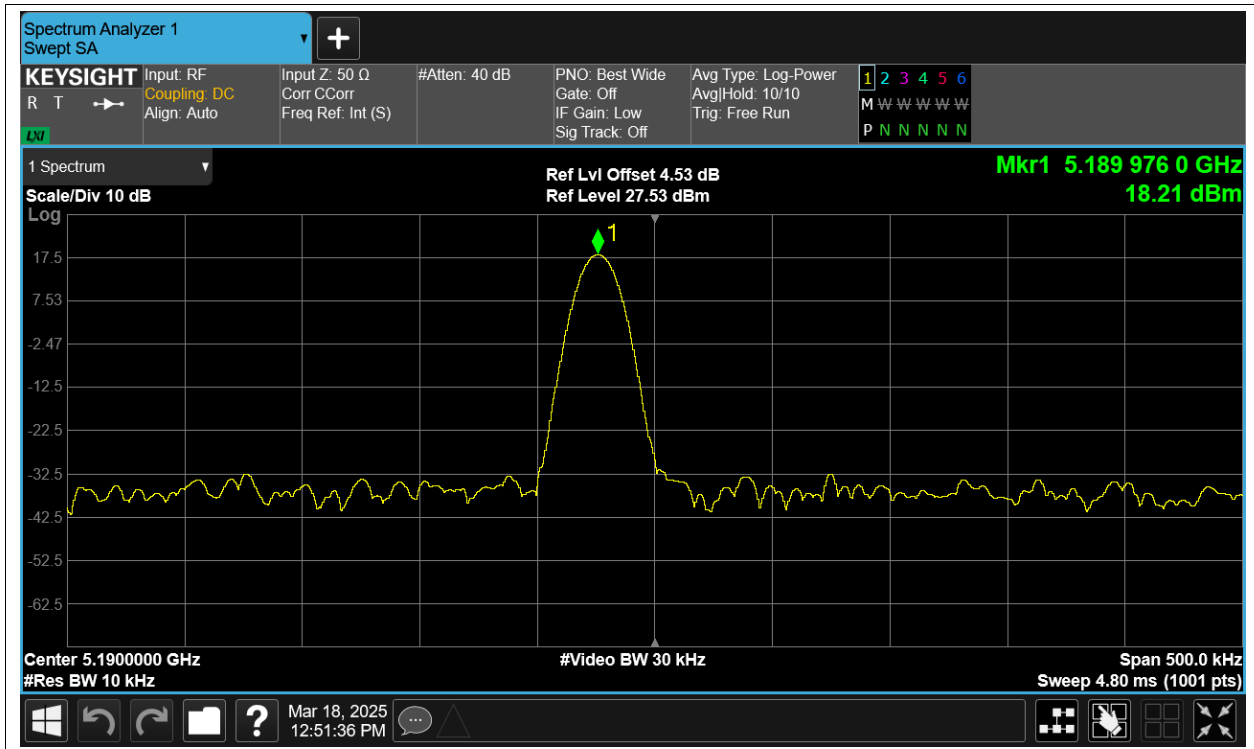
Freq. Stability NVHT n40 5190MHz Ant12



Freq. Stability NVLT n40 5190MHz Ant12



Freq. Stability NVNT n40 5190MHz Ant12

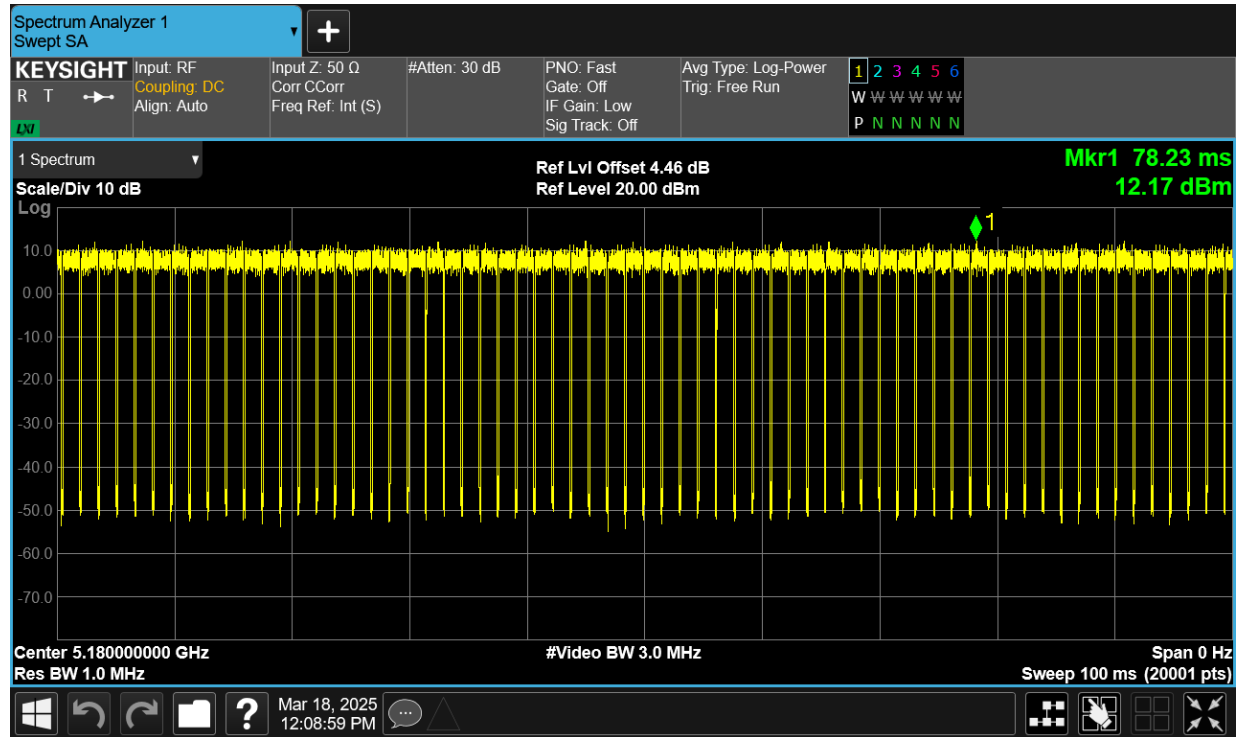


Duty Cycle

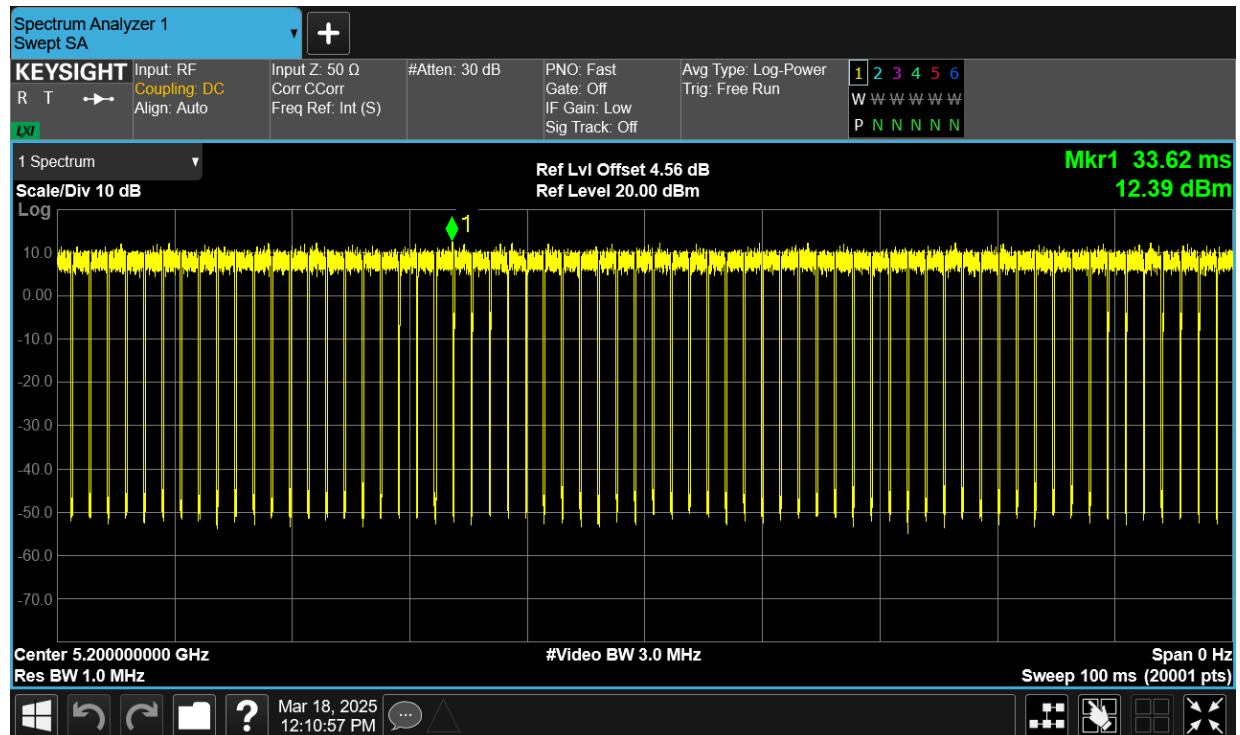
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant12	90.36	0.44
NVNT	a	5200	Ant12	90.49	0.43
NVNT	a	5240	Ant12	90.55	0.43
NVNT	ac20	5180	Ant12	88.78	0.52
NVNT	ac20	5200	Ant12	88.94	0.51
NVNT	ac20	5240	Ant12	88.86	0.51
NVNT	ac40	5190	Ant12	80.35	0.95
NVNT	ac40	5230	Ant12	79.96	0.97
NVNT	ac80	5210	Ant12	67.62	1.7
NVNT	n20	5180	Ant12	88.76	0.52
NVNT	n20	5200	Ant12	88.86	0.51
NVNT	n20	5240	Ant12	88.89	0.51
NVNT	n40	5190	Ant12	80.03	0.97
NVNT	n40	5230	Ant12	80.47	0.94

Test Graphs

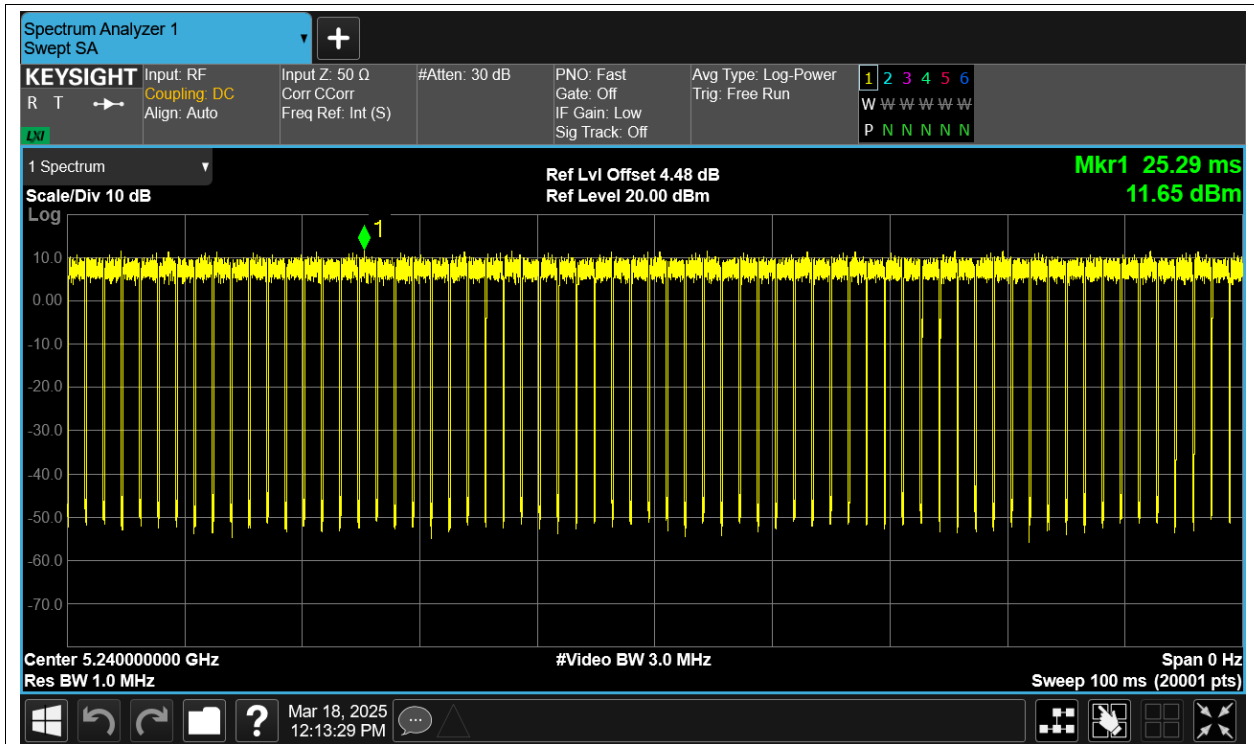
Duty Cycle NVNT a 5180MHz Ant12



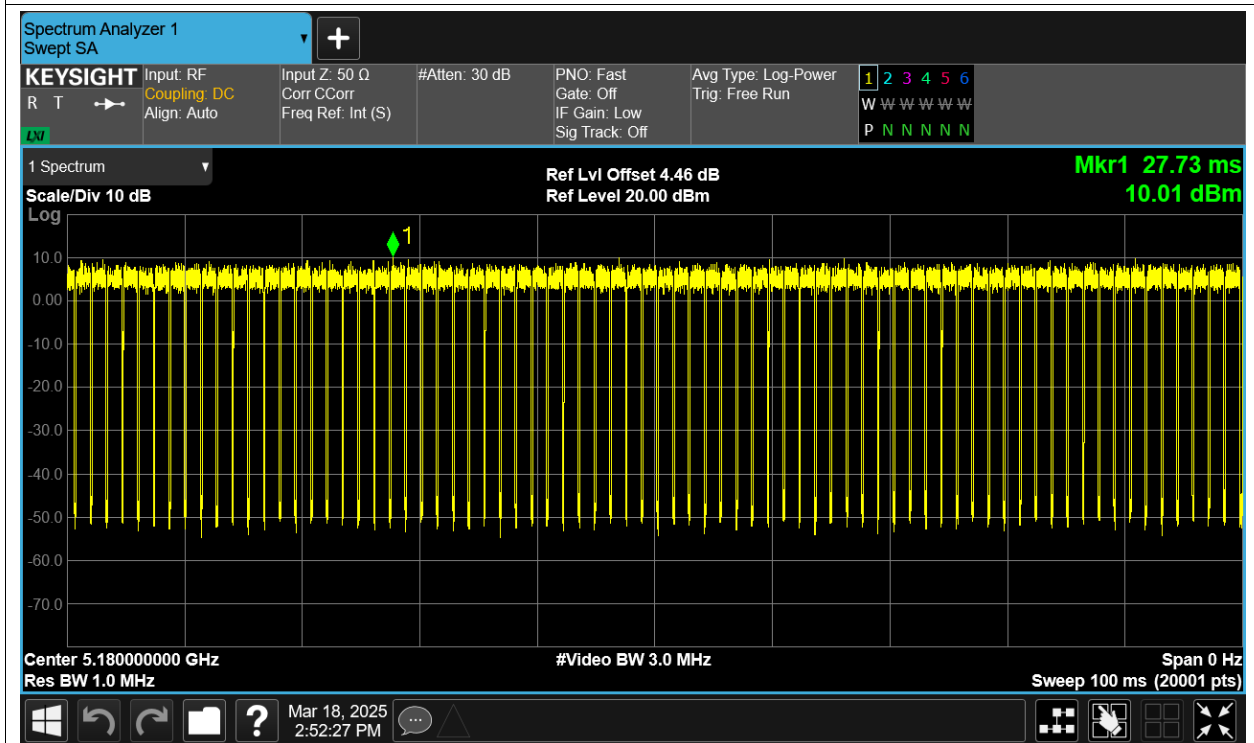
Duty Cycle NVNT a 5200MHz Ant12



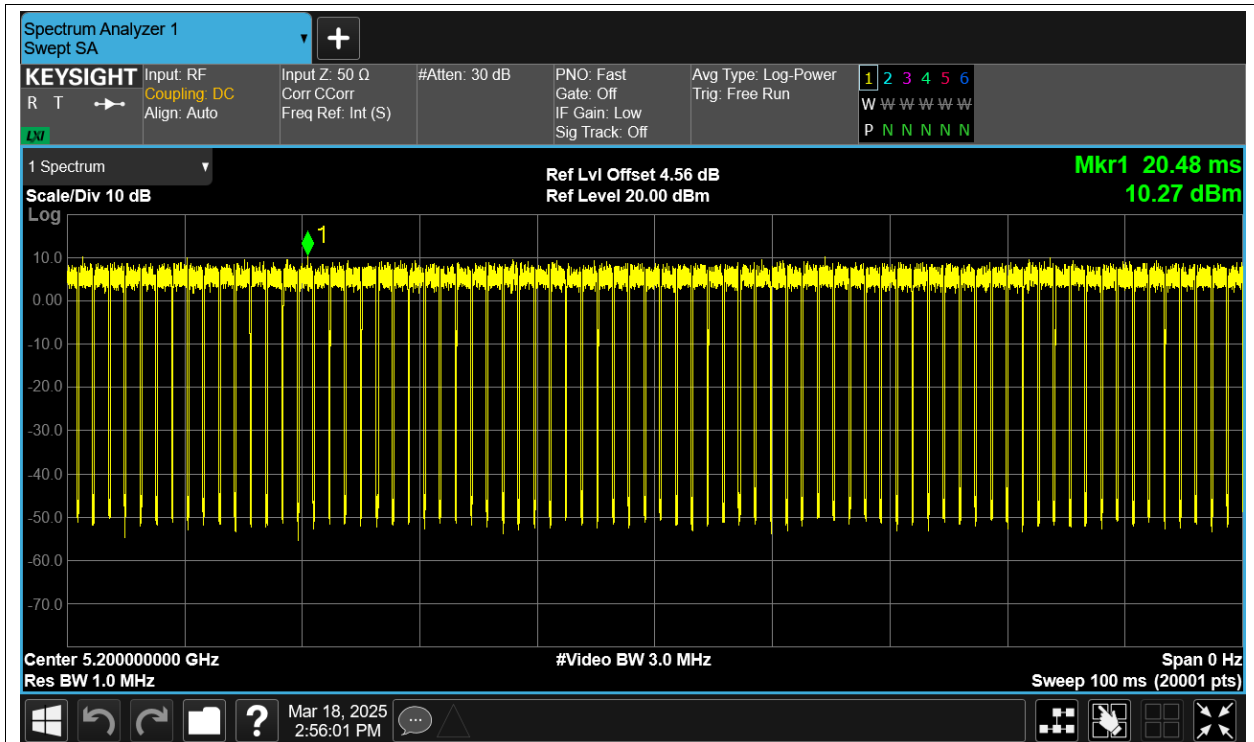
Duty Cycle NVNT a 5240MHz Ant12



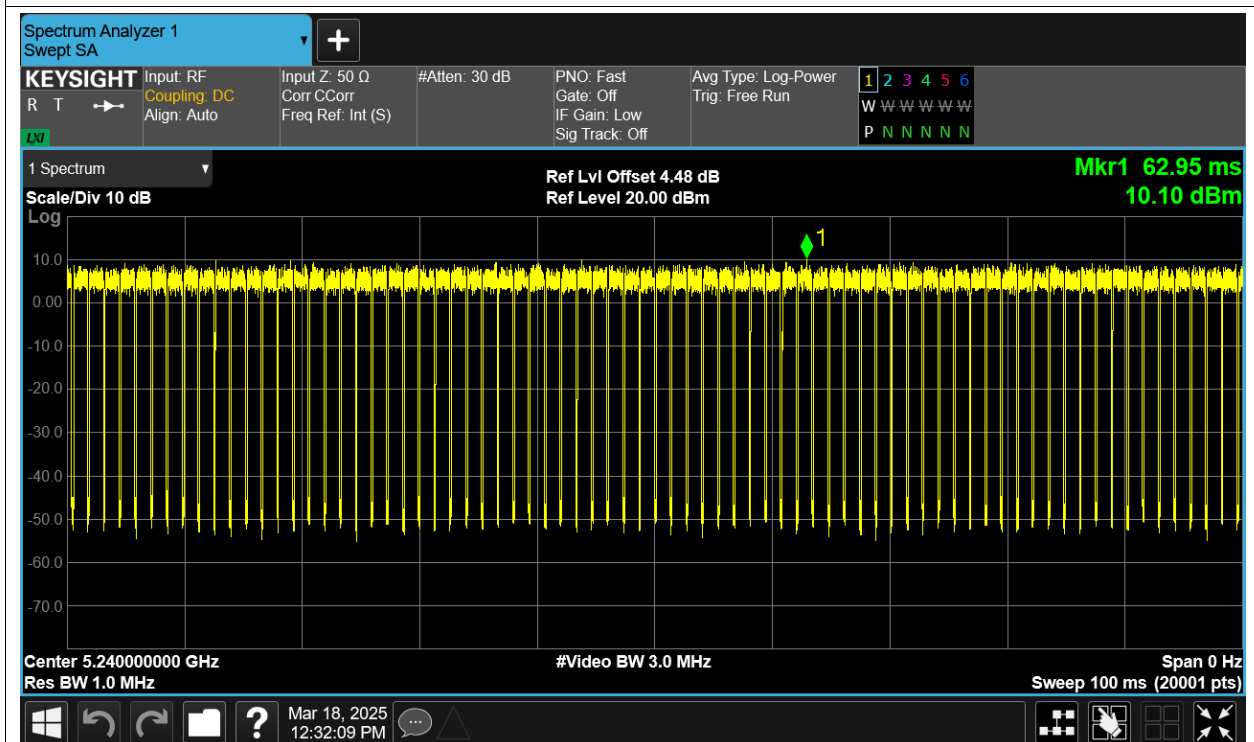
Duty Cycle NVNT ac20 5180MHz Ant12



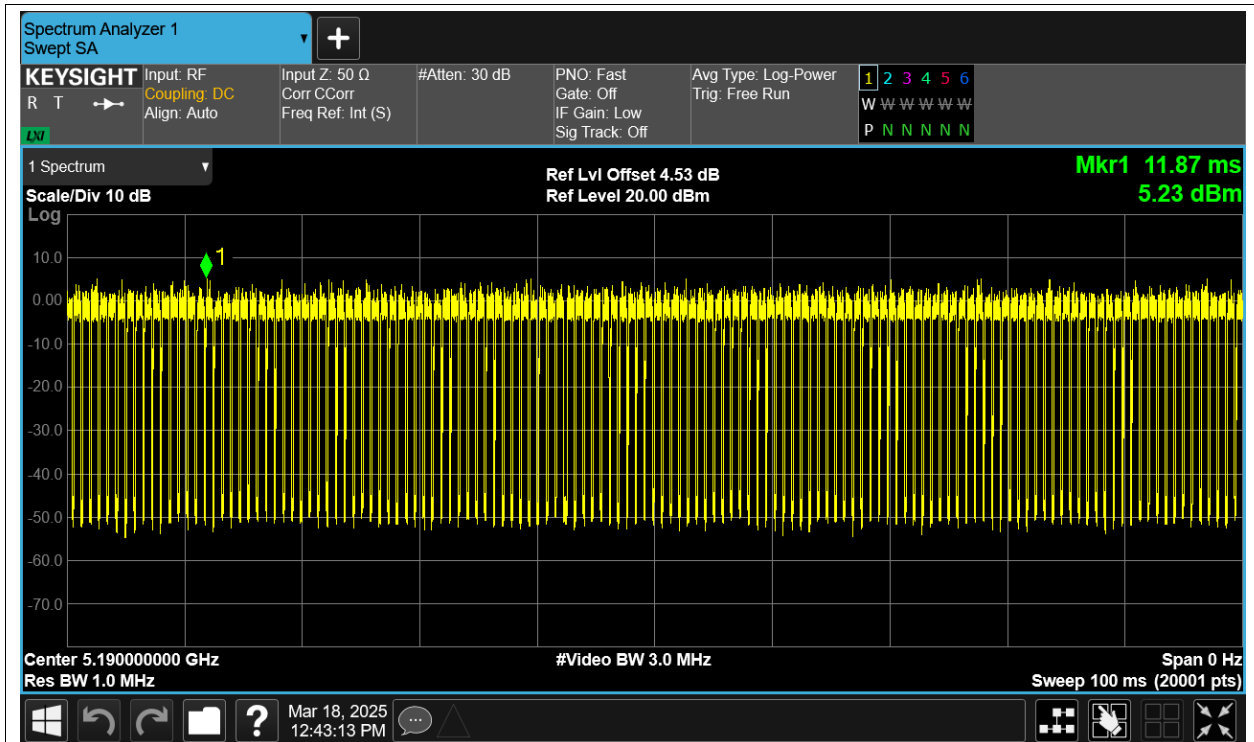
Duty Cycle NVNT ac20 5200MHz Ant12



Duty Cycle NVNT ac20 5240MHz Ant12



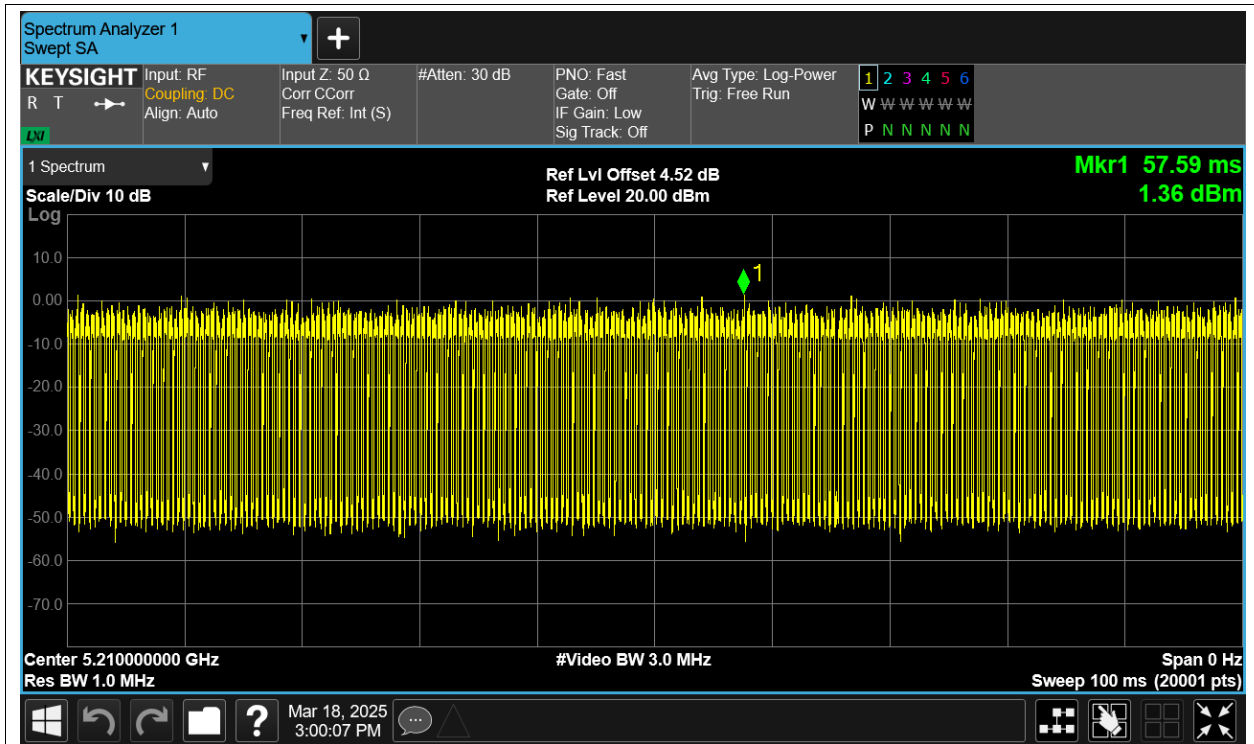
Duty Cycle NVNT ac40 5190MHz Ant12



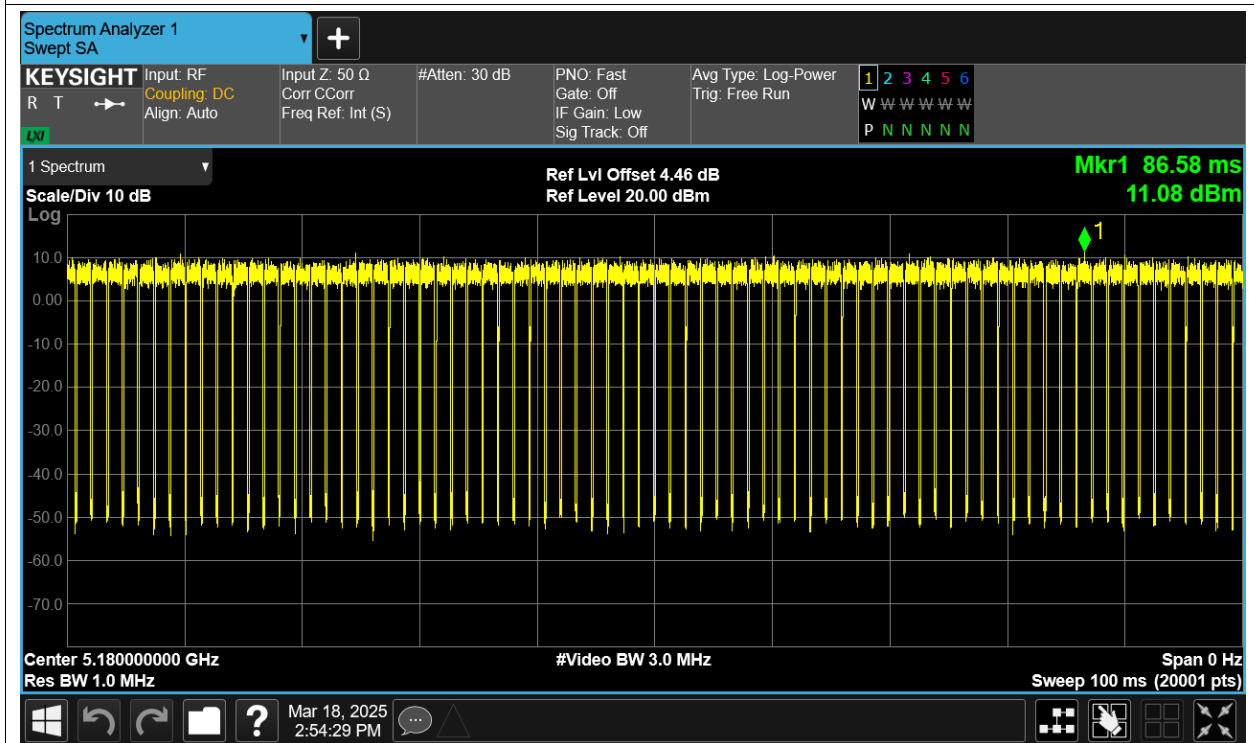
Duty Cycle NVNT ac40 5230MHz Ant12



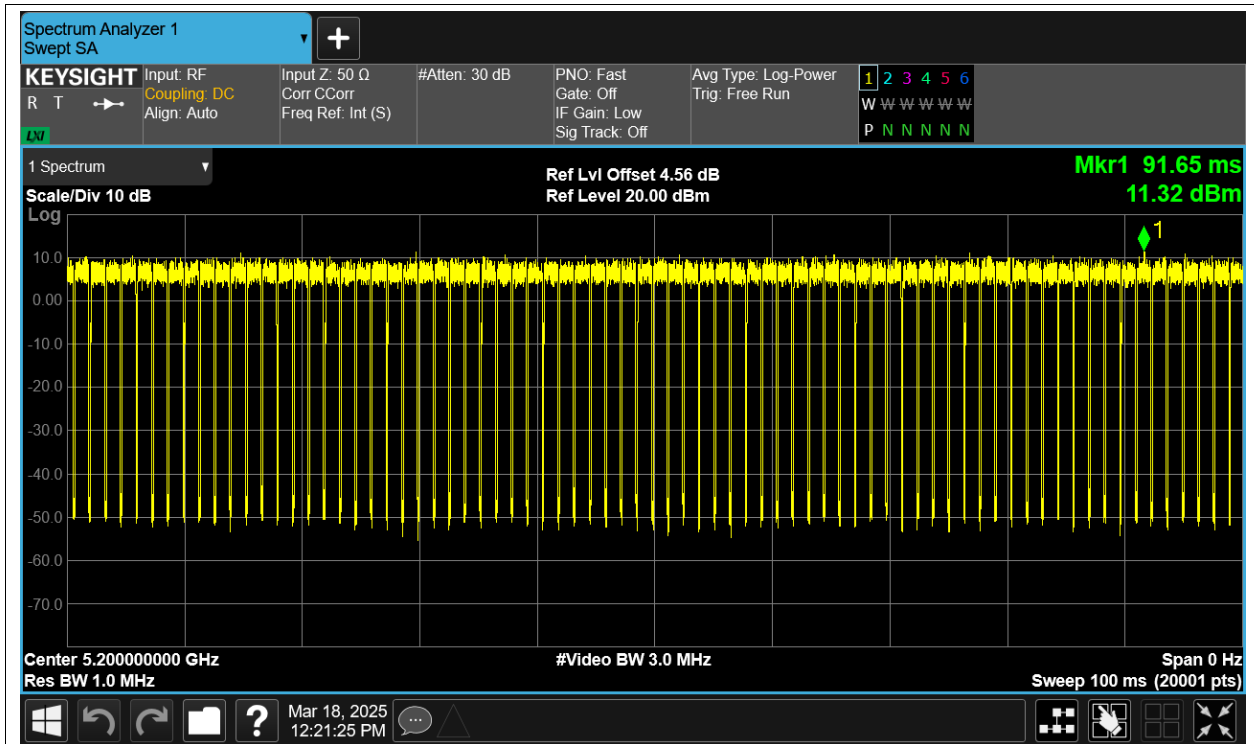
Duty Cycle NVNT ac80 5210MHz Ant12



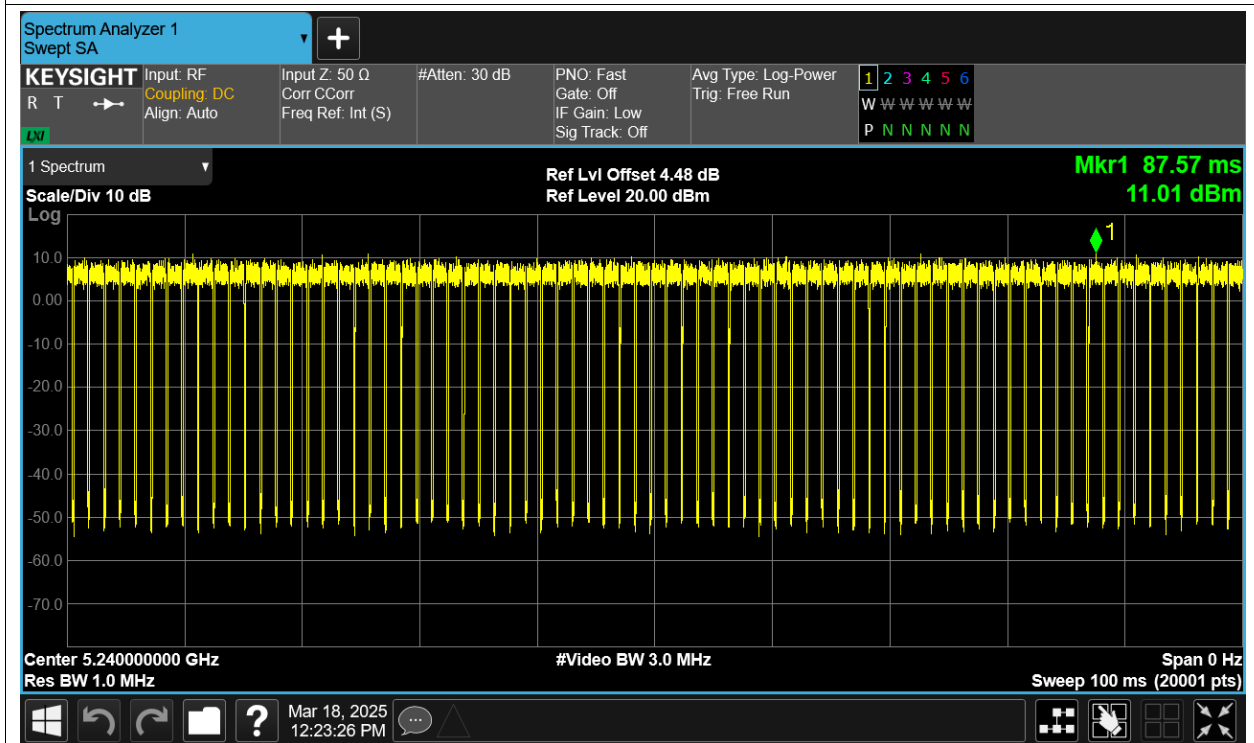
Duty Cycle NVNT n20 5180MHz Ant12



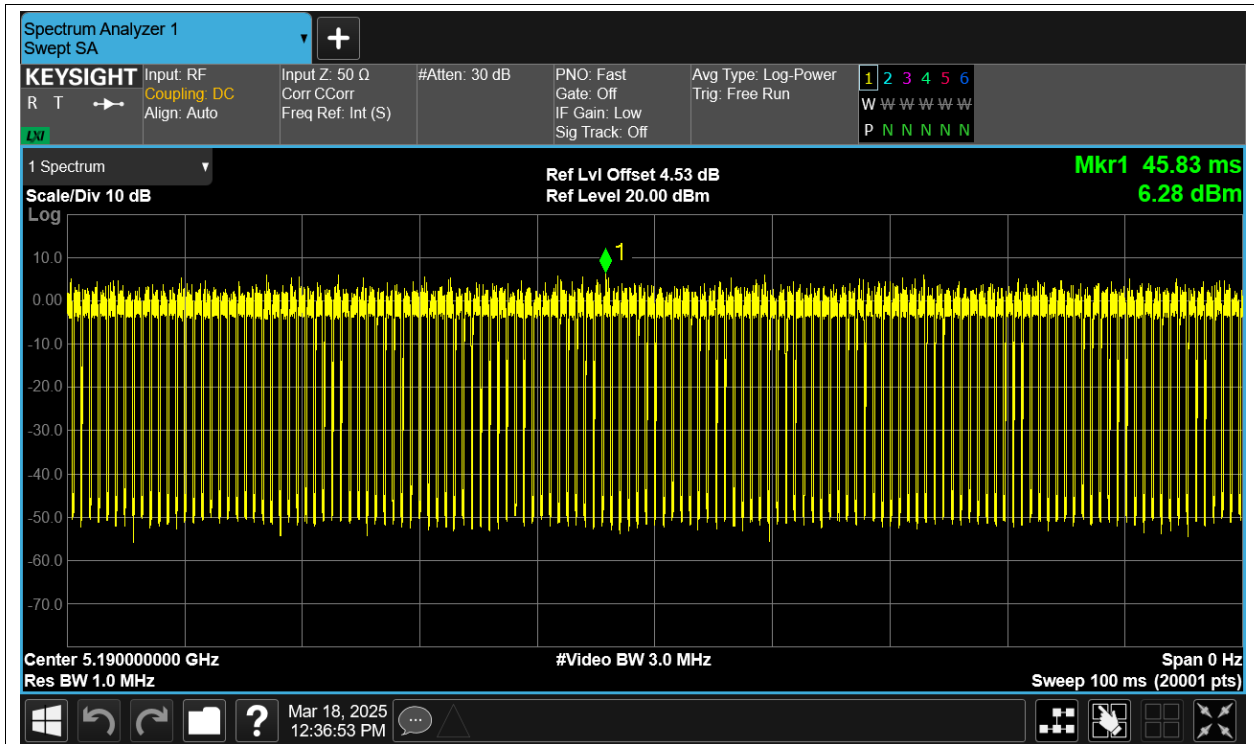
Duty Cycle NVNT n20 5200MHz Ant12



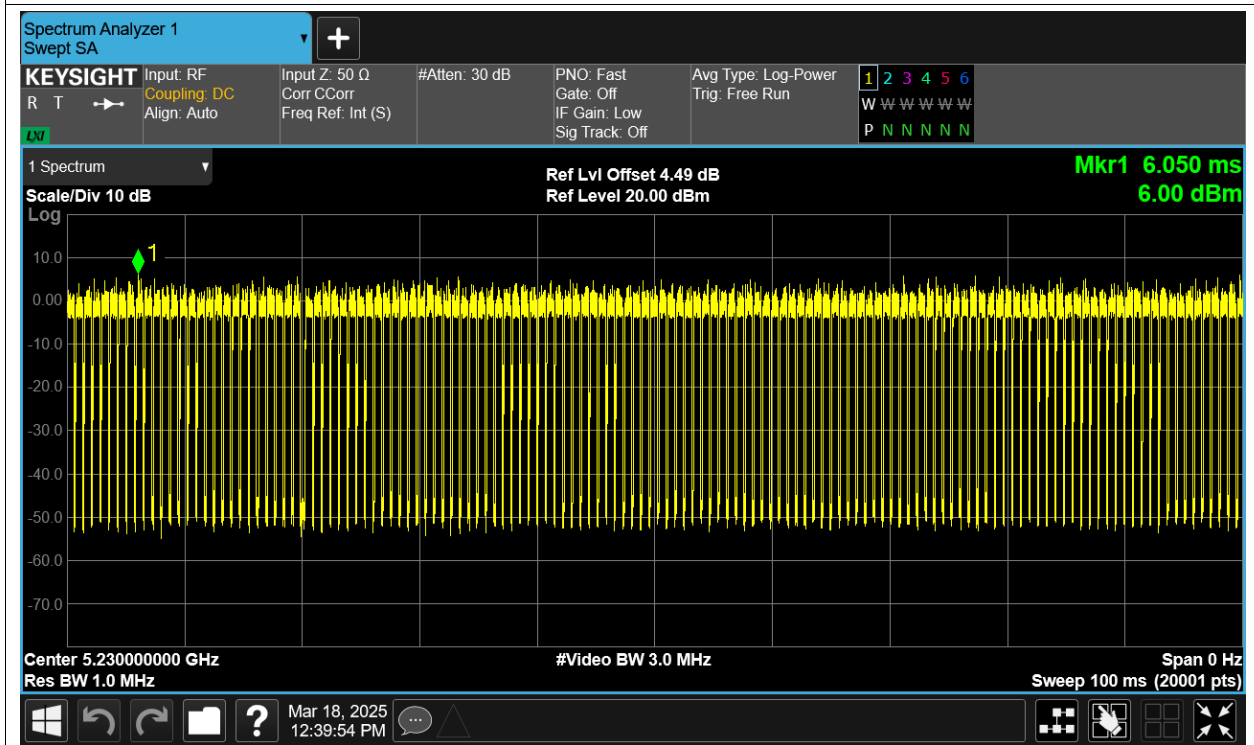
Duty Cycle NVNT n20 5240MHz Ant12



Duty Cycle NVNT n40 5190MHz Ant12



Duty Cycle NVNT n40 5230MHz Ant12



Maximum Conducted Output Power

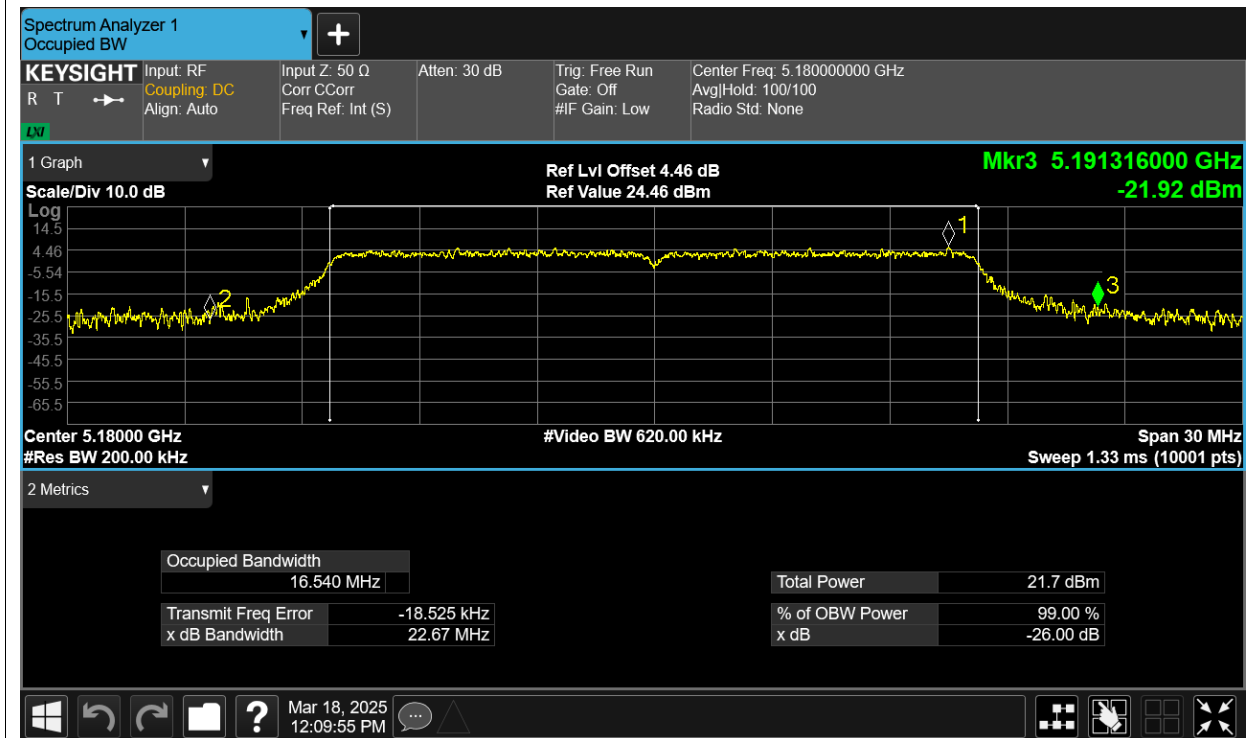
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant12	15.54	0.44	15.98	24	Pass
NVNT	a	5200	Ant12	16.3	0.43	16.73	24	Pass
NVNT	a	5240	Ant12	15.77	0.43	16.2	24	Pass
NVNT	ac20	5180	Ant12	14.08	0.51	14.59	24	Pass
NVNT	ac20	5200	Ant12	14.53	0.8	15.33	24	Pass
NVNT	ac20	5240	Ant12	13.52	0.51	14.03	24	Pass
NVNT	ac40	5190	Ant12	13.29	0.95	14.24	23	Pass
NVNT	ac40	5230	Ant12	13.25	0.96	14.21	24	Pass
NVNT	ac80	5210	Ant12	12.59	1.79	14.38	24	Pass
NVNT	n20	5180	Ant12	14.98	0.53	15.51	24	Pass
NVNT	n20	5200	Ant12	15.45	0.51	15.96	24	Pass
NVNT	n20	5240	Ant12	14.93	0.51	15.44	24	Pass
NVNT	n40	5190	Ant12	14.1	0.97	15.07	24	Pass
NVNT	n40	5230	Ant12	14.1	0.94	15.04	24	Pass

-26dB Bandwidth

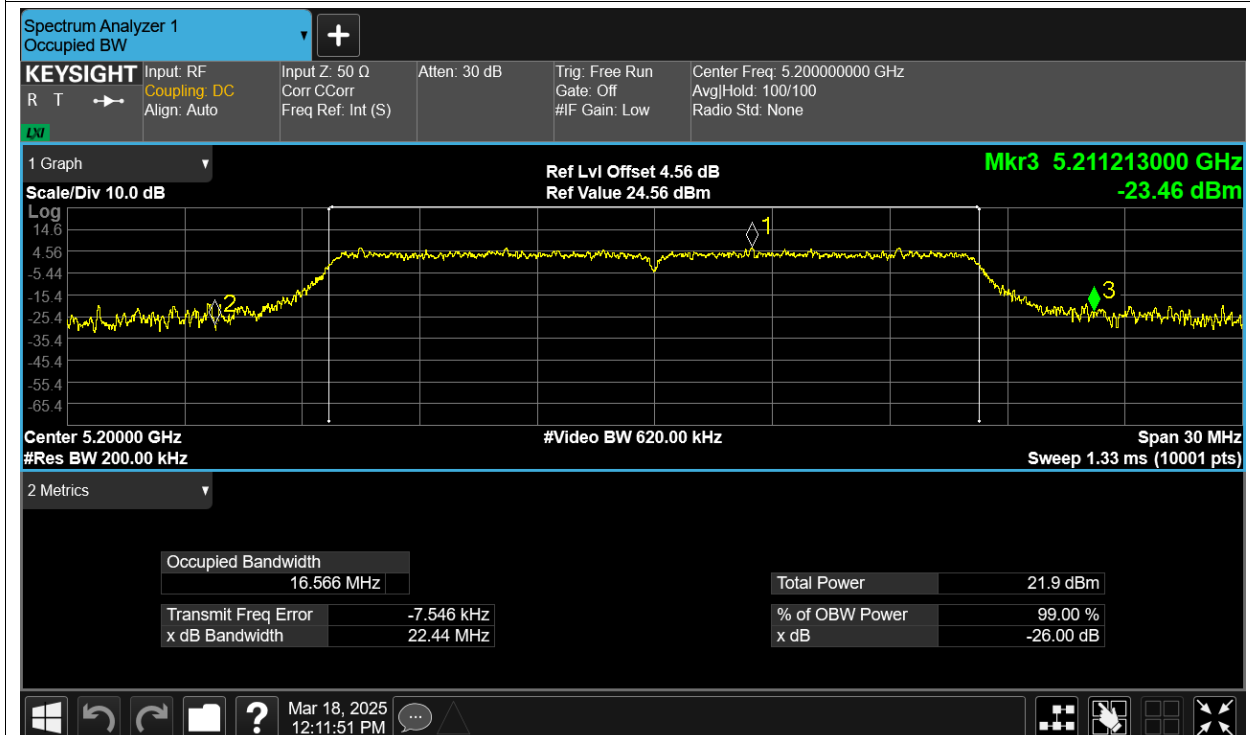
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant12	22.668
NVNT	a	5200	Ant12	22.442
NVNT	a	5240	Ant12	22.718
NVNT	ac20	5180	Ant12	26.688
NVNT	ac20	5200	Ant12	26.58
NVNT	ac20	5240	Ant12	22.995
NVNT	ac40	5190	Ant12	53.311
NVNT	ac40	5230	Ant12	54.163
NVNT	ac80	5210	Ant12	78.312
NVNT	n20	5180	Ant12	27.838
NVNT	n20	5200	Ant12	26.954
NVNT	n20	5240	Ant12	26.366
NVNT	n40	5190	Ant12	58.717
NVNT	n40	5230	Ant12	57.404

Test Graphs

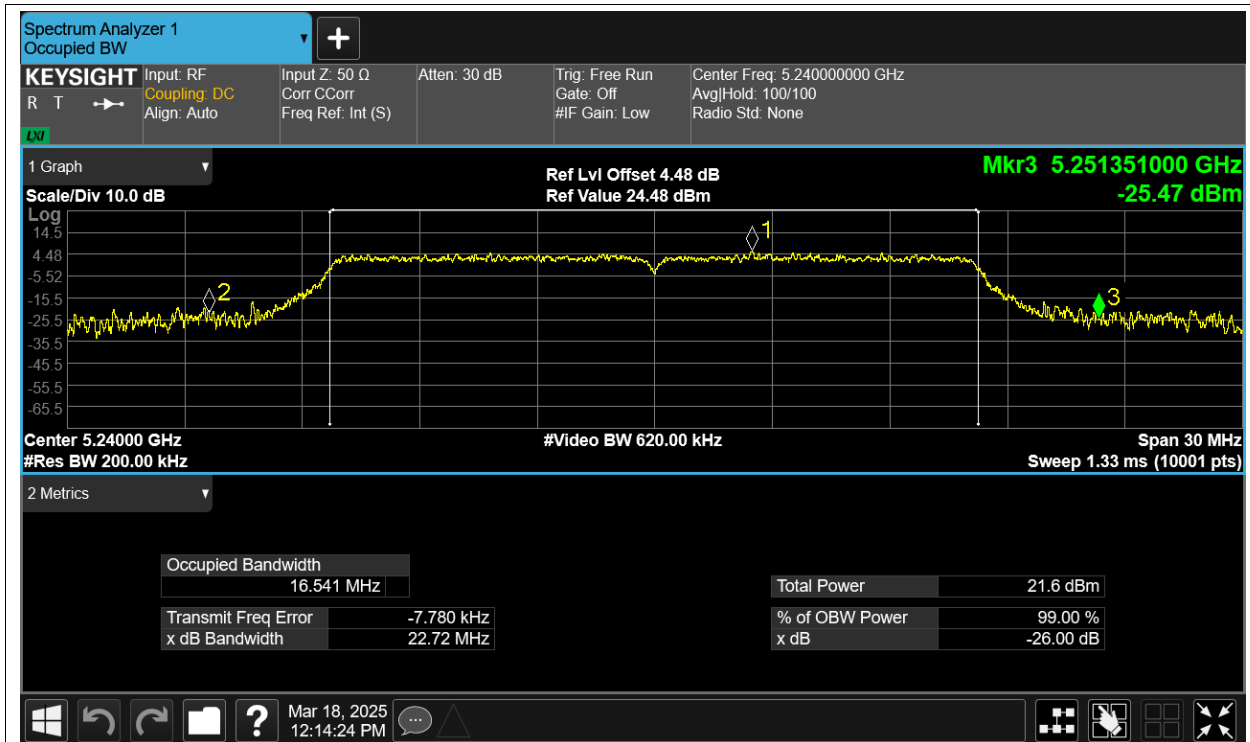
-26dB Bandwidth NVNT a 5180MHz Ant12



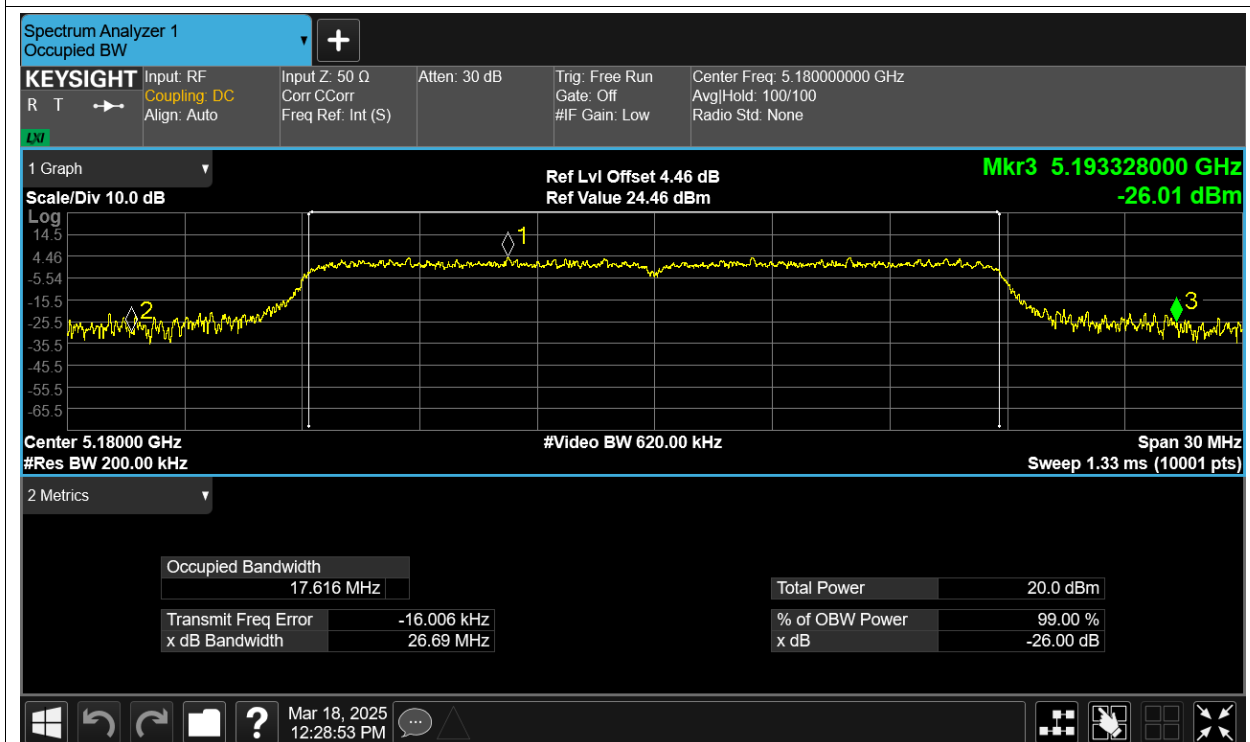
-26dB Bandwidth NVNT a 5200MHz Ant12



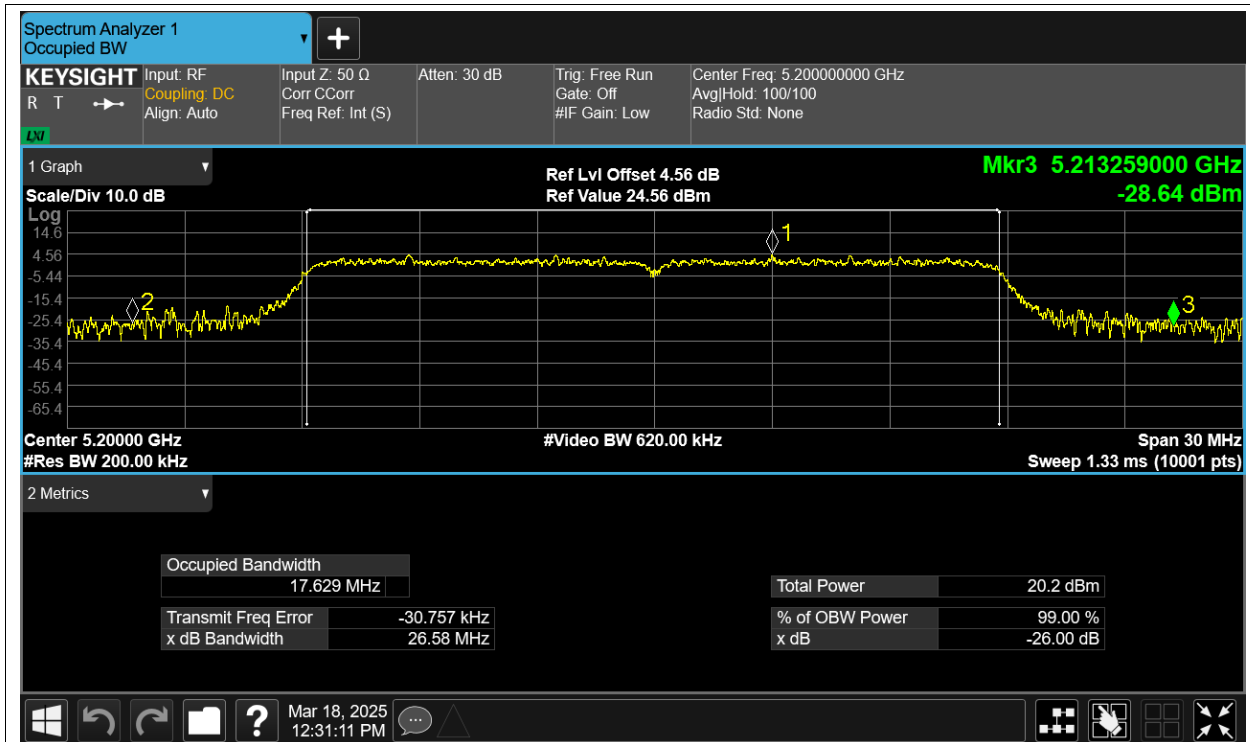
-26dB Bandwidth NVNT a 5240MHz Ant12



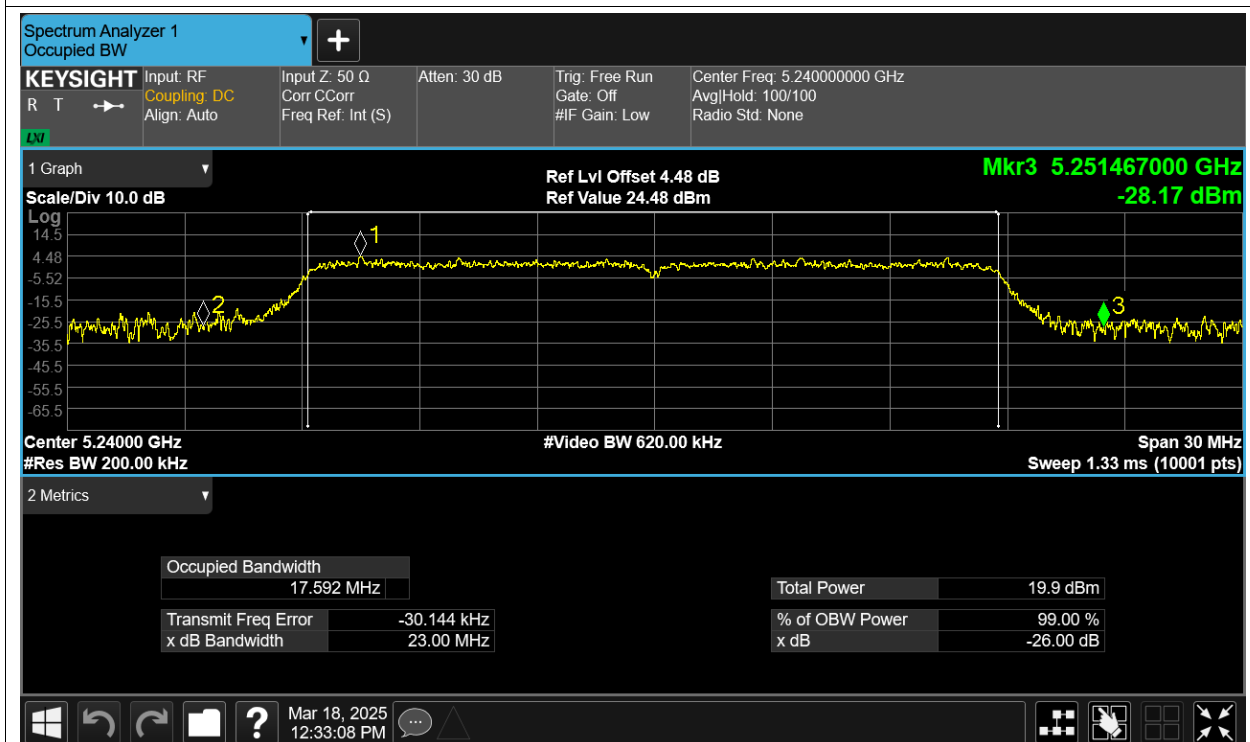
-26dB Bandwidth NVNT ac20 5180MHz Ant12



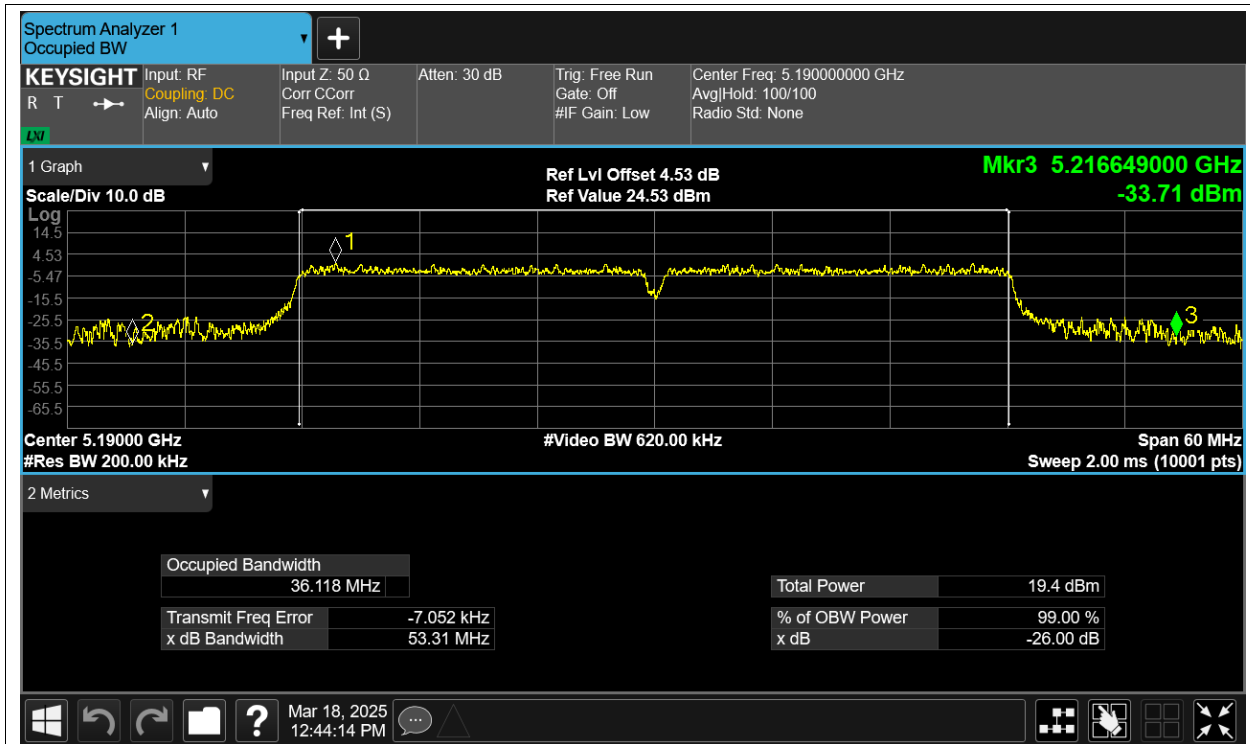
-26dB Bandwidth NVNT ac20 5200MHz Ant12



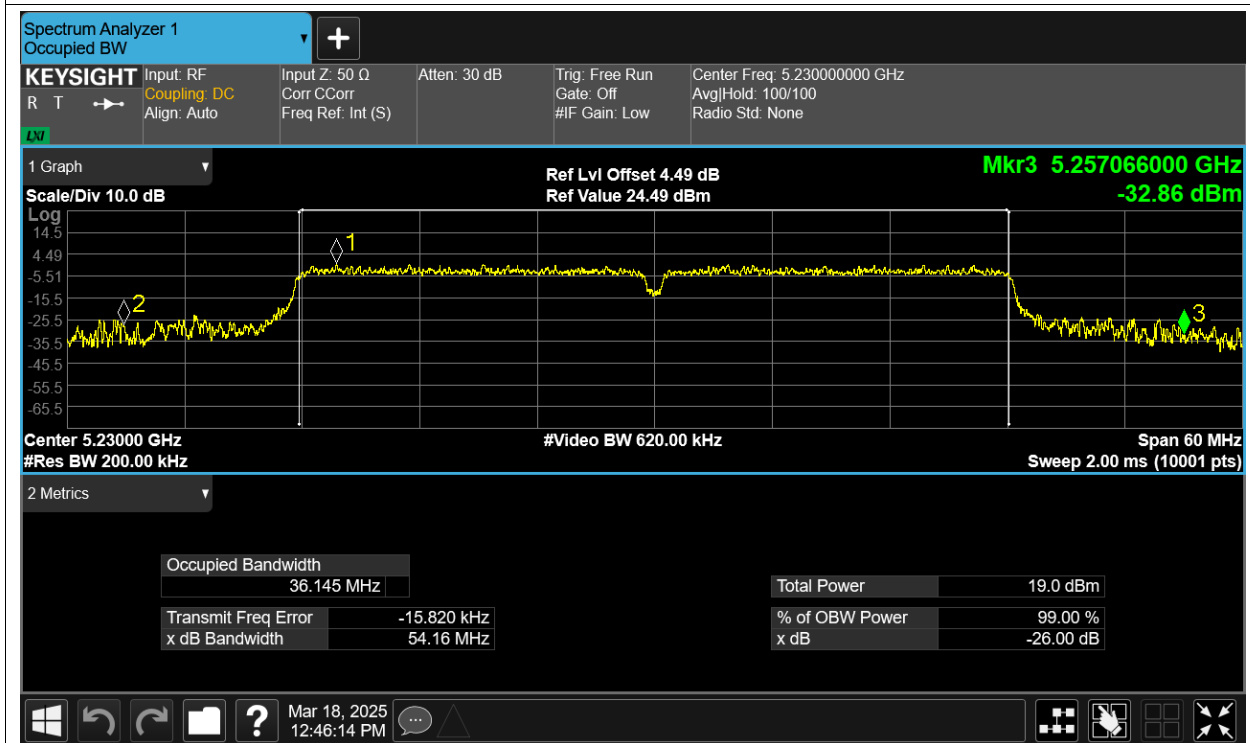
-26dB Bandwidth NVNT ac20 5240MHz Ant12



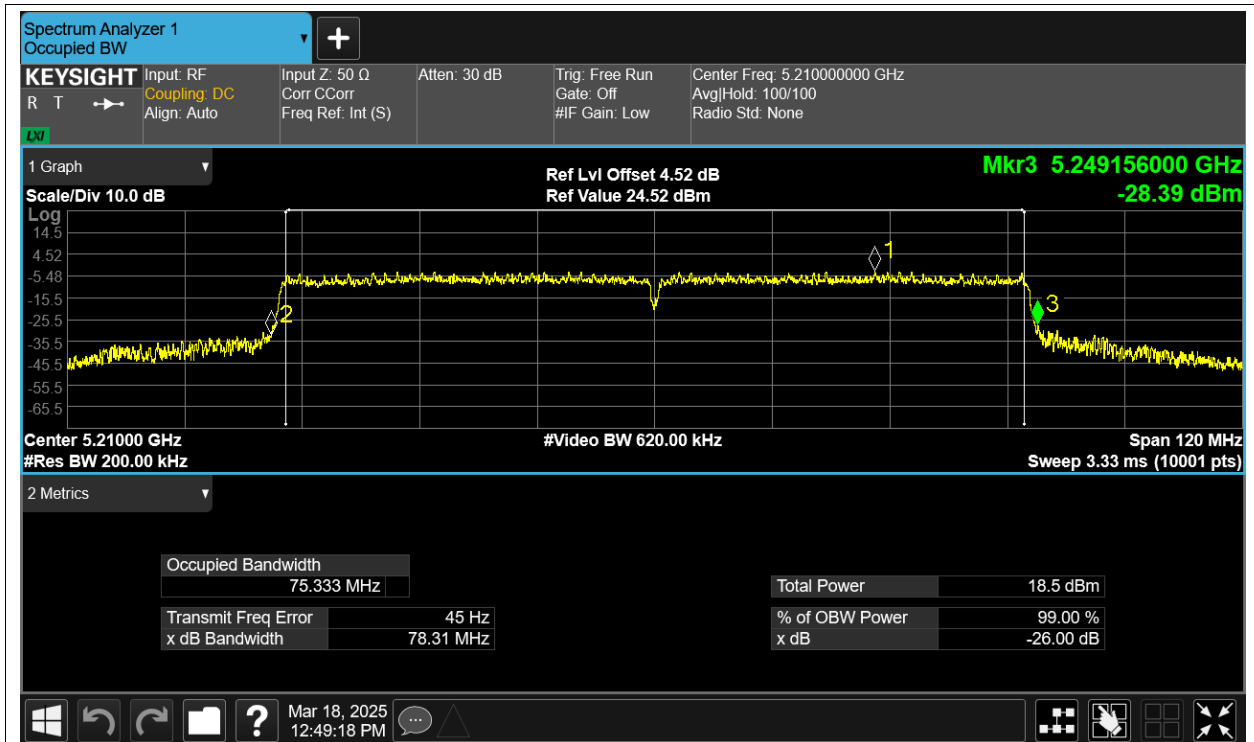
-26dB Bandwidth NVNT ac40 5190MHz Ant12



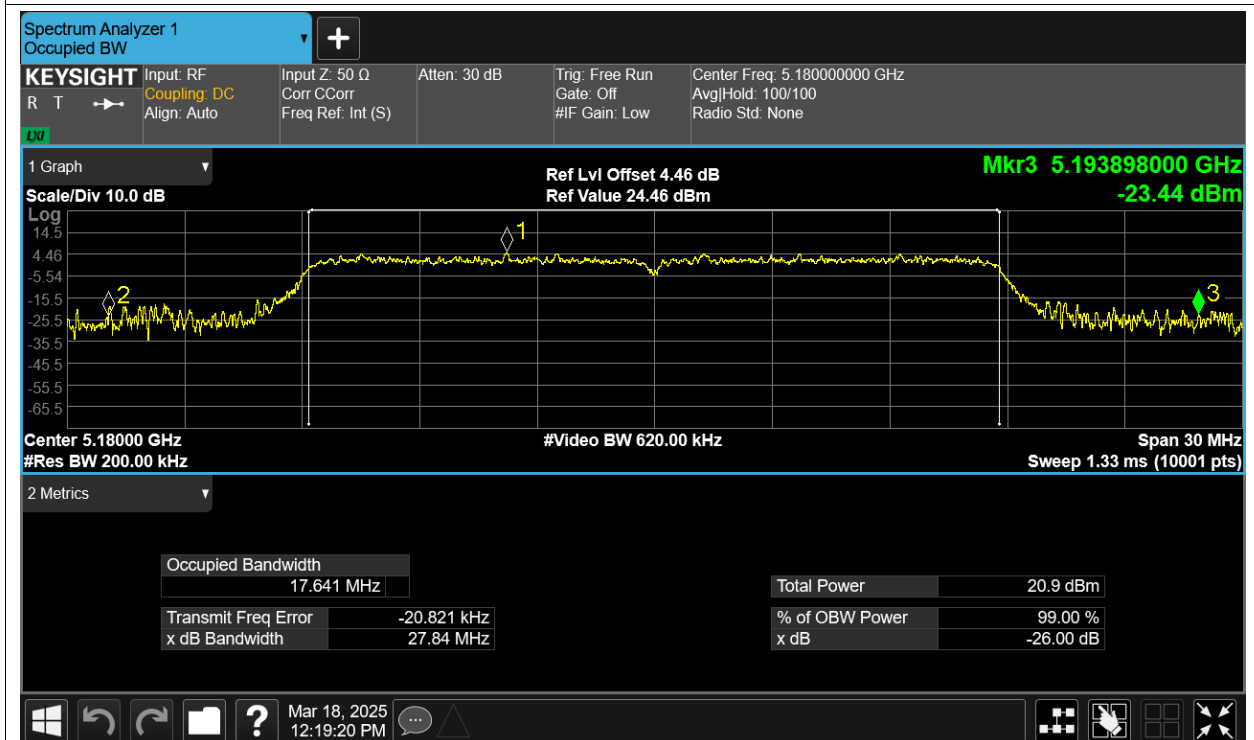
-26dB Bandwidth NVNT ac40 5230MHz Ant12



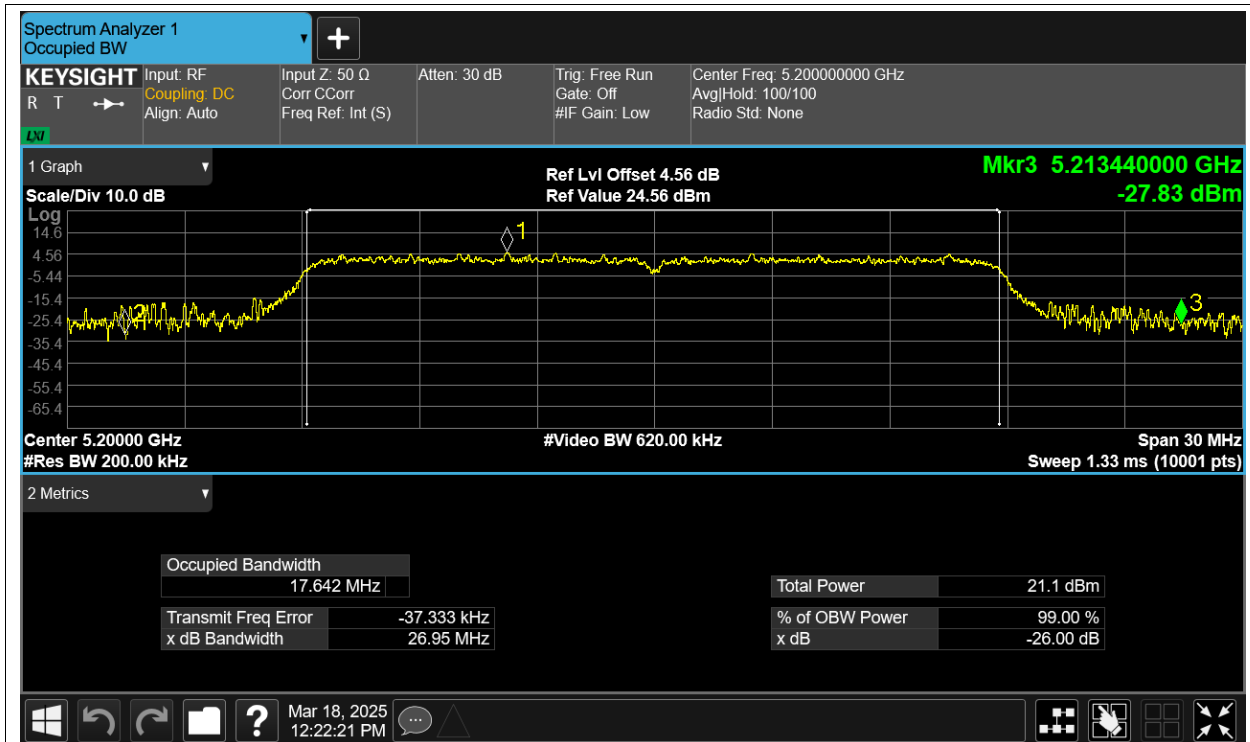
-26dB Bandwidth NVNT ac80 5210MHz Ant12



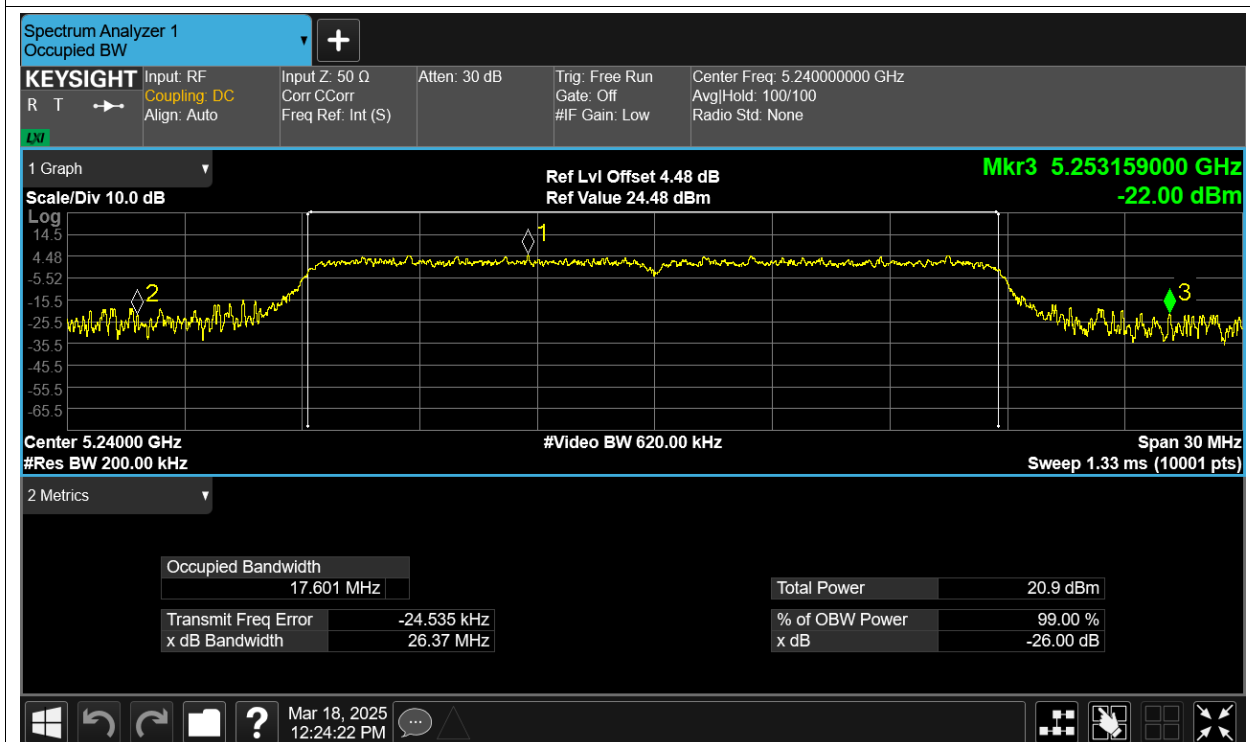
-26dB Bandwidth NVNT n20 5180MHz Ant12



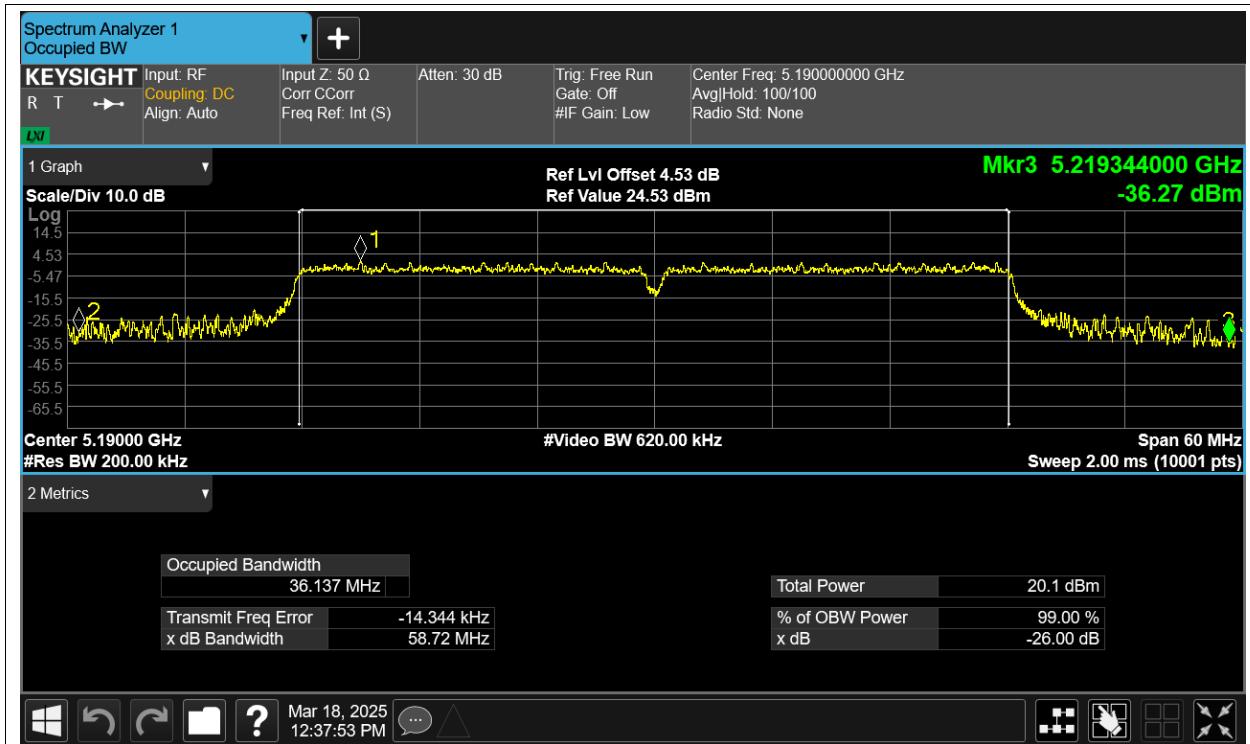
-26dB Bandwidth NVNT n20 5200MHz Ant12



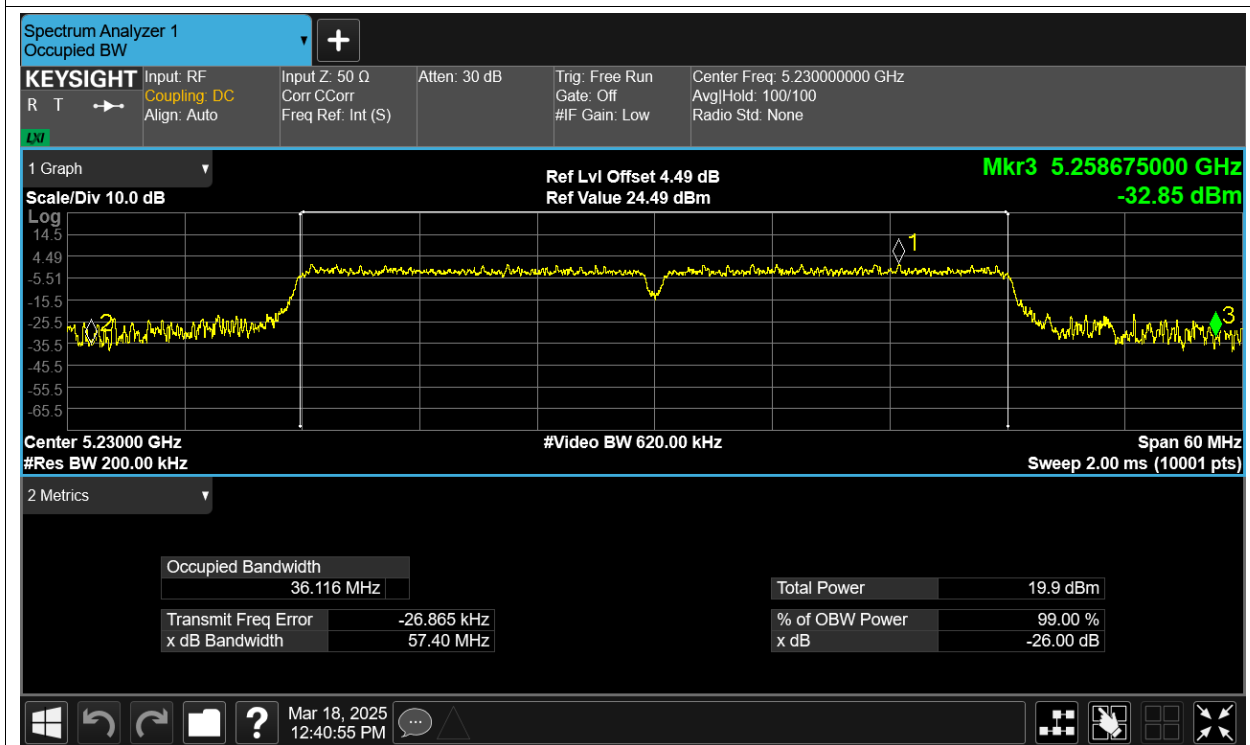
-26dB Bandwidth NVNT n20 5240MHz Ant12



-26dB Bandwidth NVNT n40 5190MHz Ant12



-26dB Bandwidth NVNT n40 5230MHz Ant12

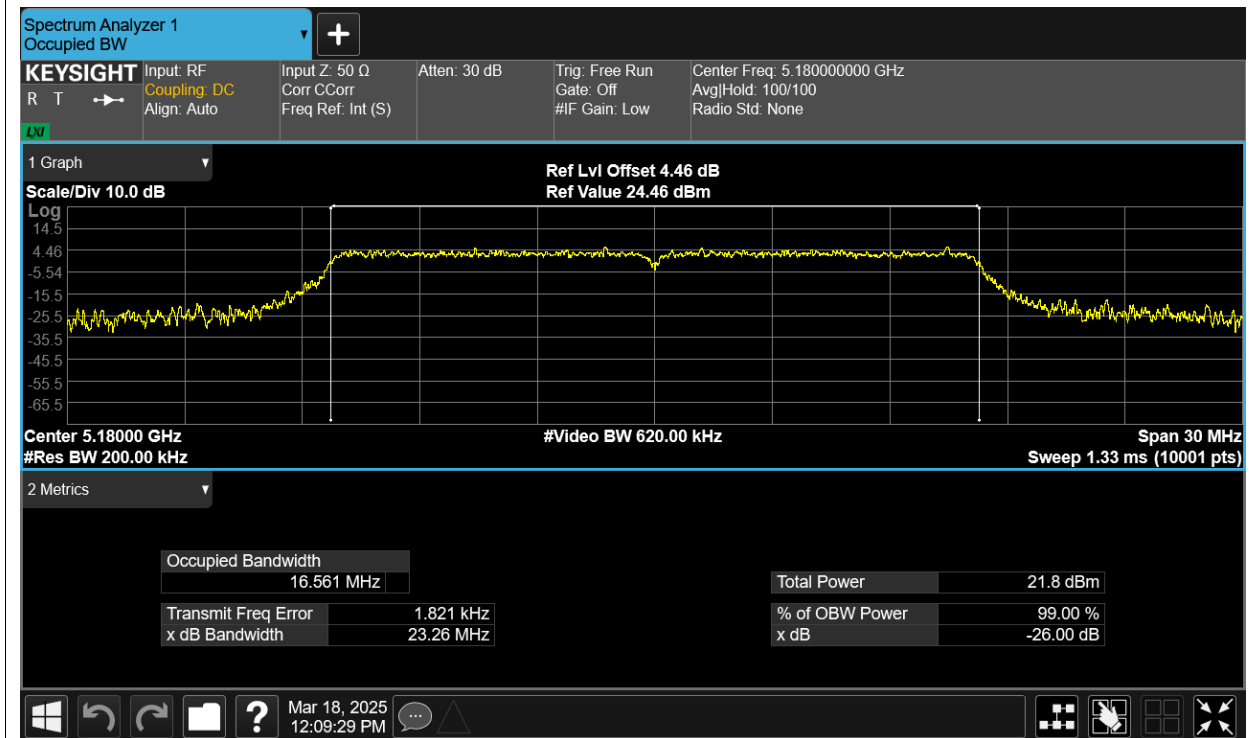


Occupied Channel Bandwidth

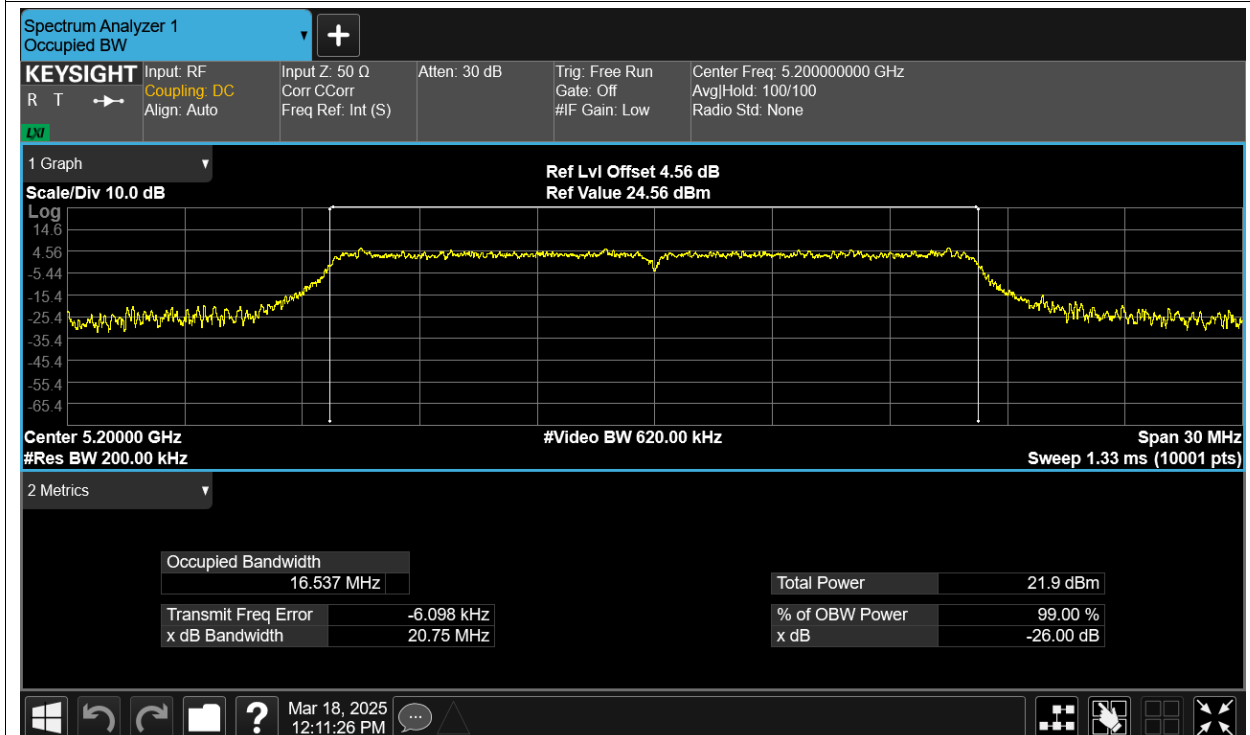
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant12	16.561
NVNT	a	5200	Ant12	16.537
NVNT	a	5240	Ant12	16.532
NVNT	ac20	5180	Ant12	17.639
NVNT	ac20	5200	Ant12	17.592
NVNT	ac20	5240	Ant12	17.637
NVNT	ac40	5190	Ant12	36.225
NVNT	ac40	5230	Ant12	36.26
NVNT	ac80	5210	Ant12	75.522
NVNT	n20	5180	Ant12	17.622
NVNT	n20	5200	Ant12	17.65
NVNT	n20	5240	Ant12	17.643
NVNT	n40	5190	Ant12	36.267
NVNT	n40	5230	Ant12	36.344

Test Graphs

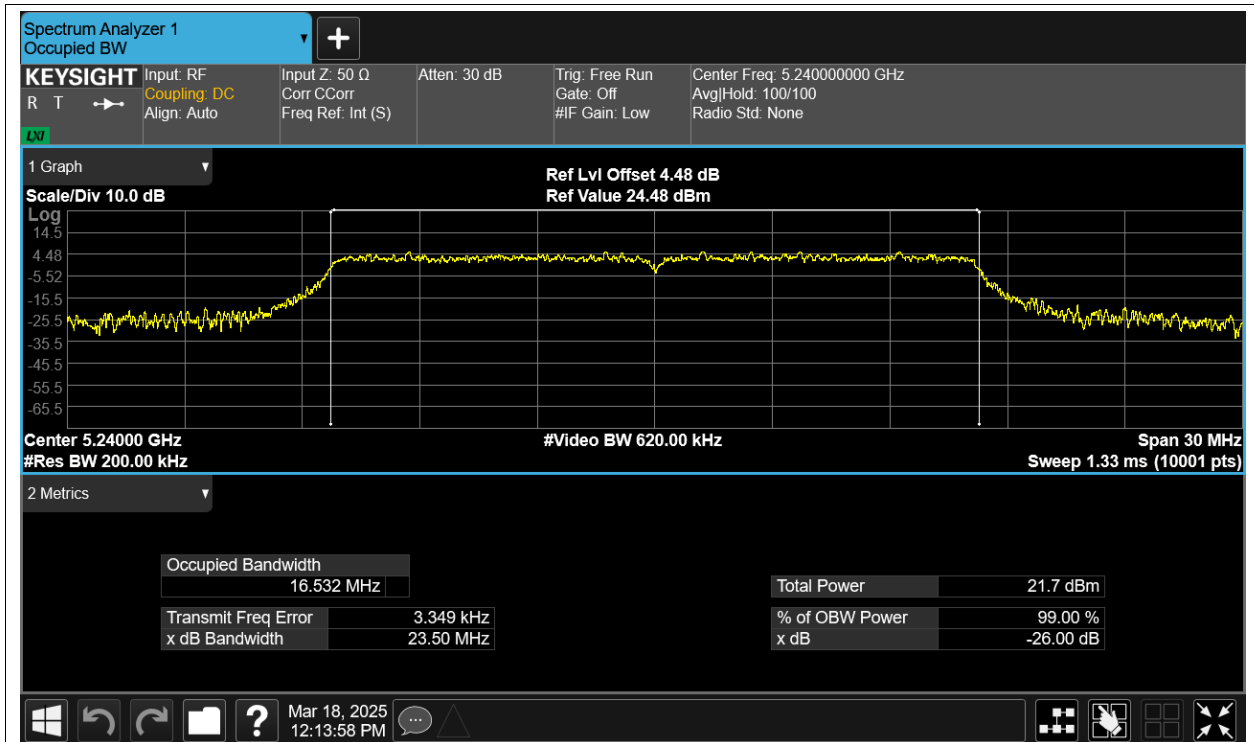
OBW NVNT a 5180MHz Ant12



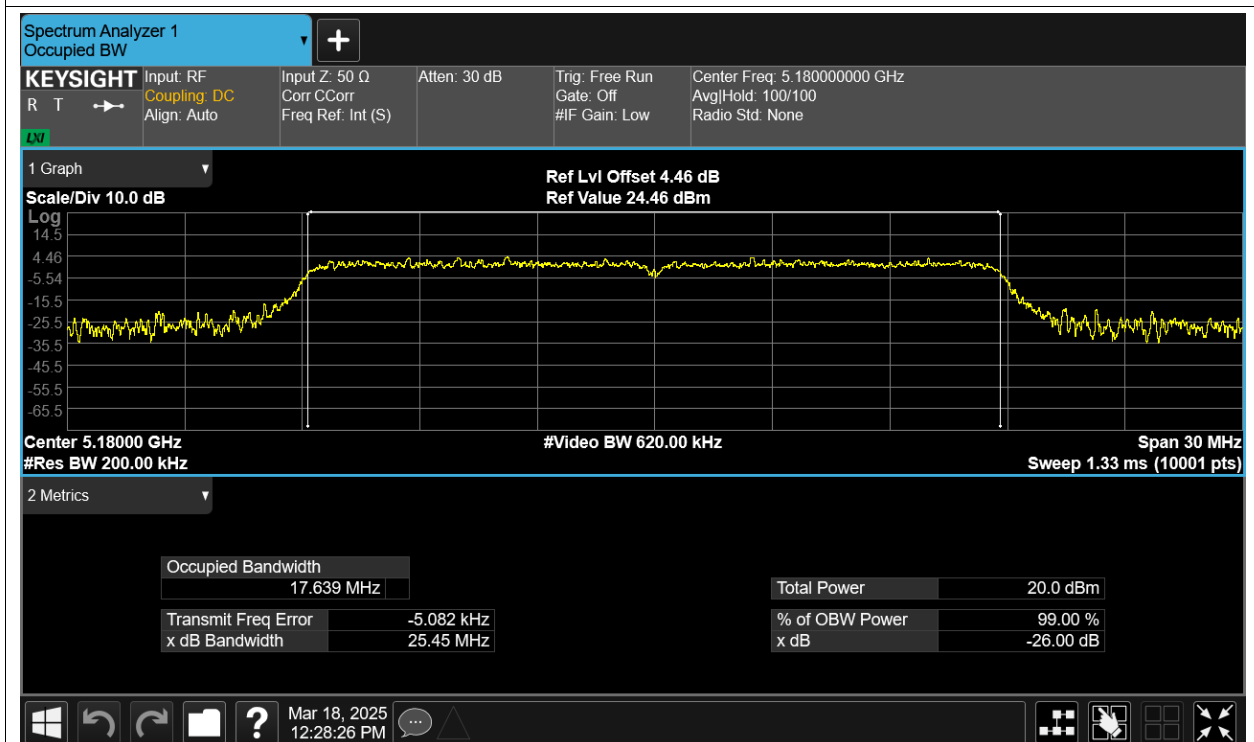
OBW NVNT a 5200MHz Ant12



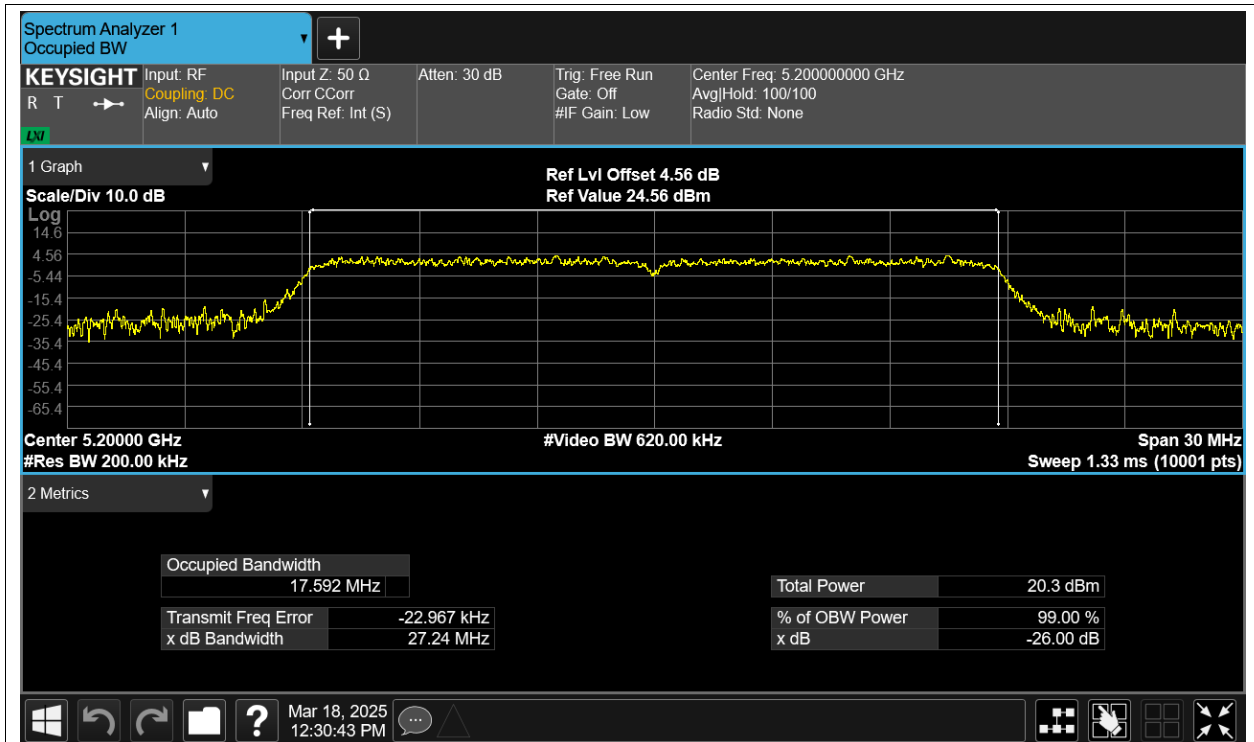
OBW NVNT a 5240MHz Ant12



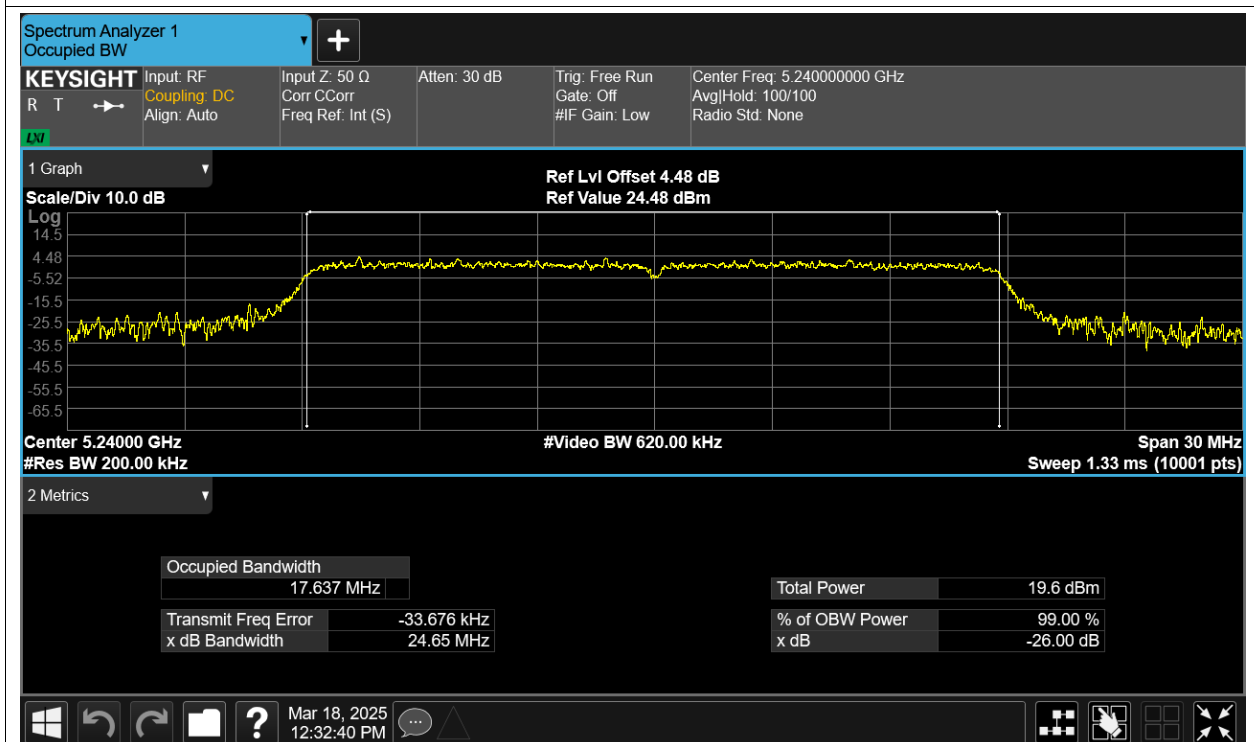
OBW NVNT ac20 5180MHz Ant12



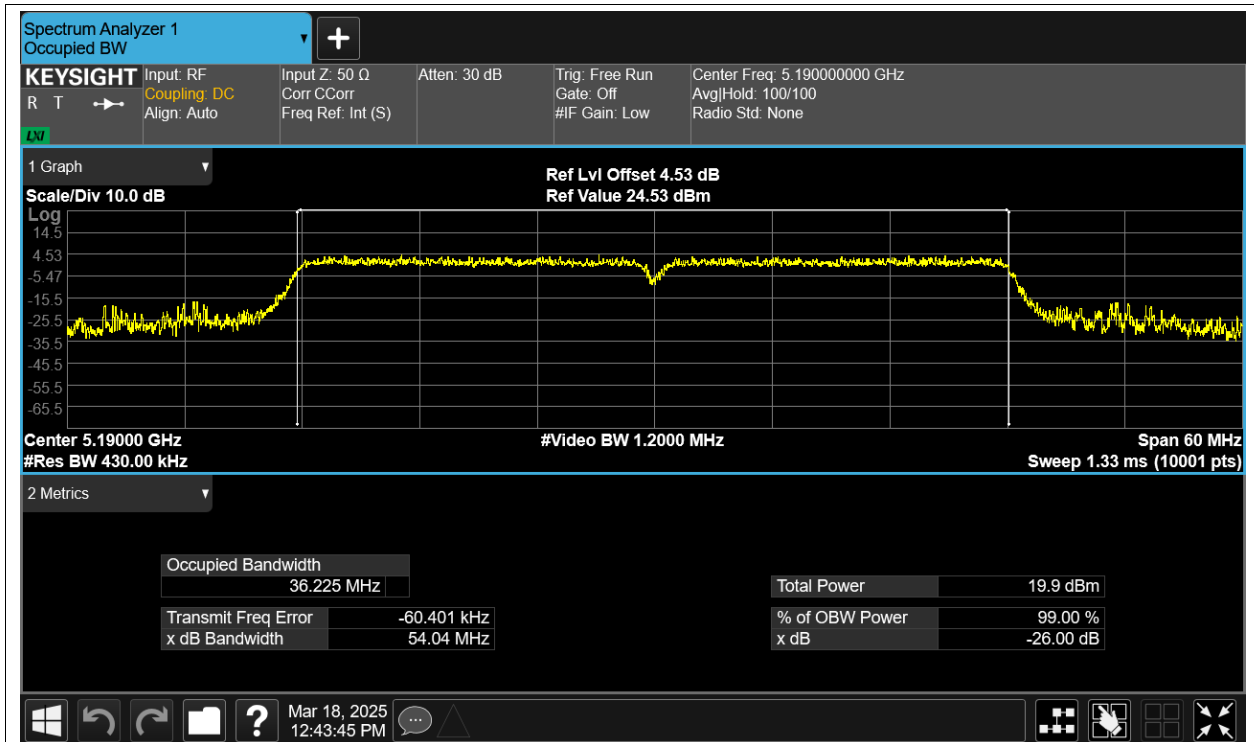
OBW NVNT ac20 5200MHz Ant12



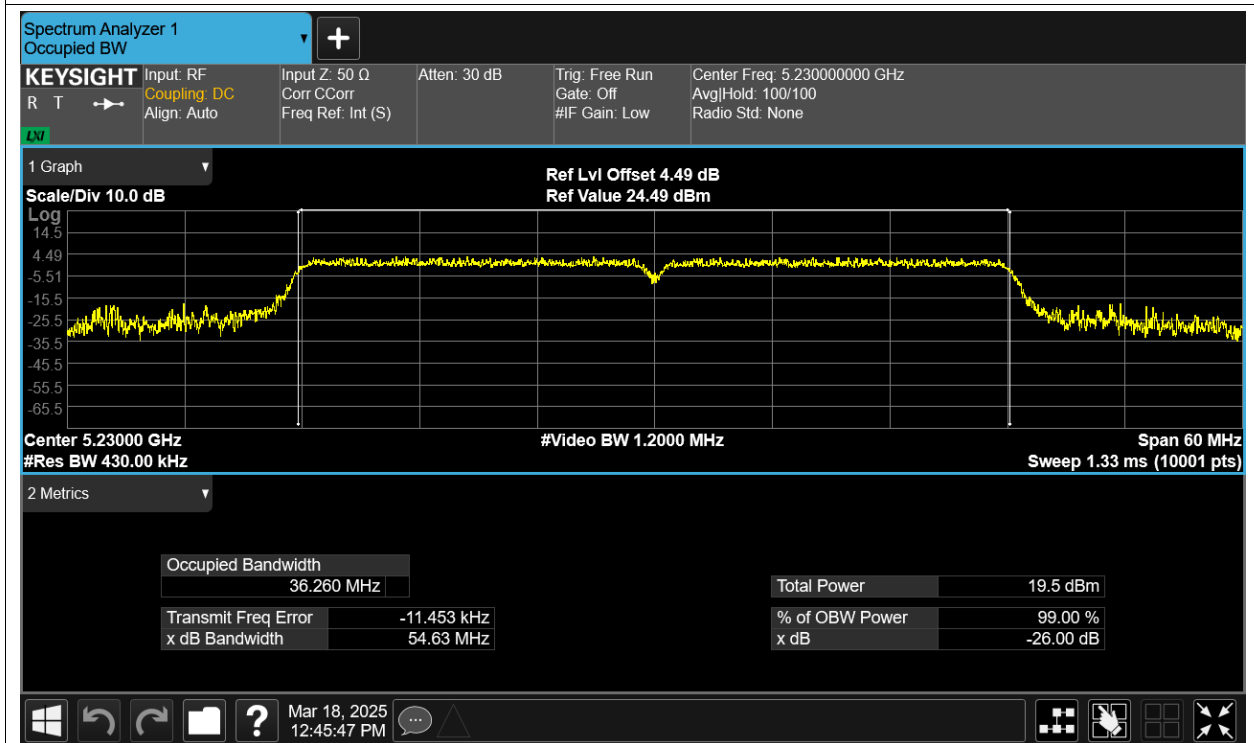
OBW NVNT ac20 5240MHz Ant12



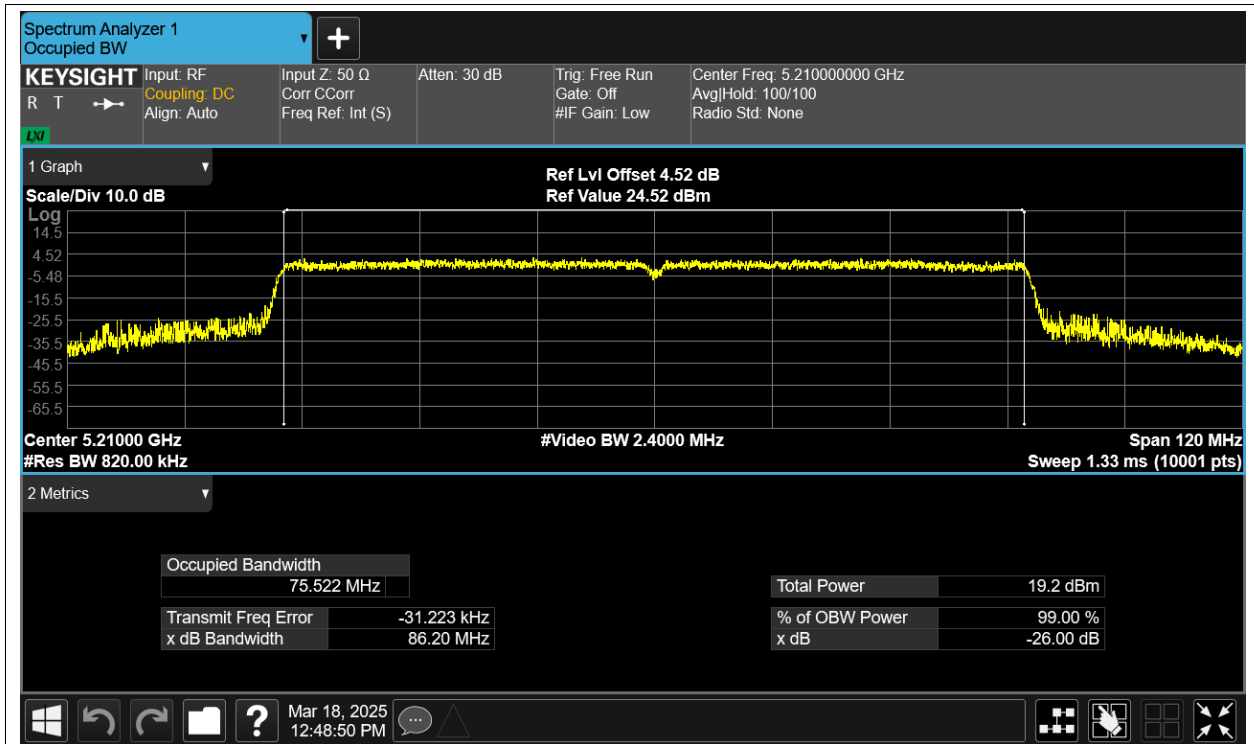
OBW NVNT ac40 5190MHz Ant12



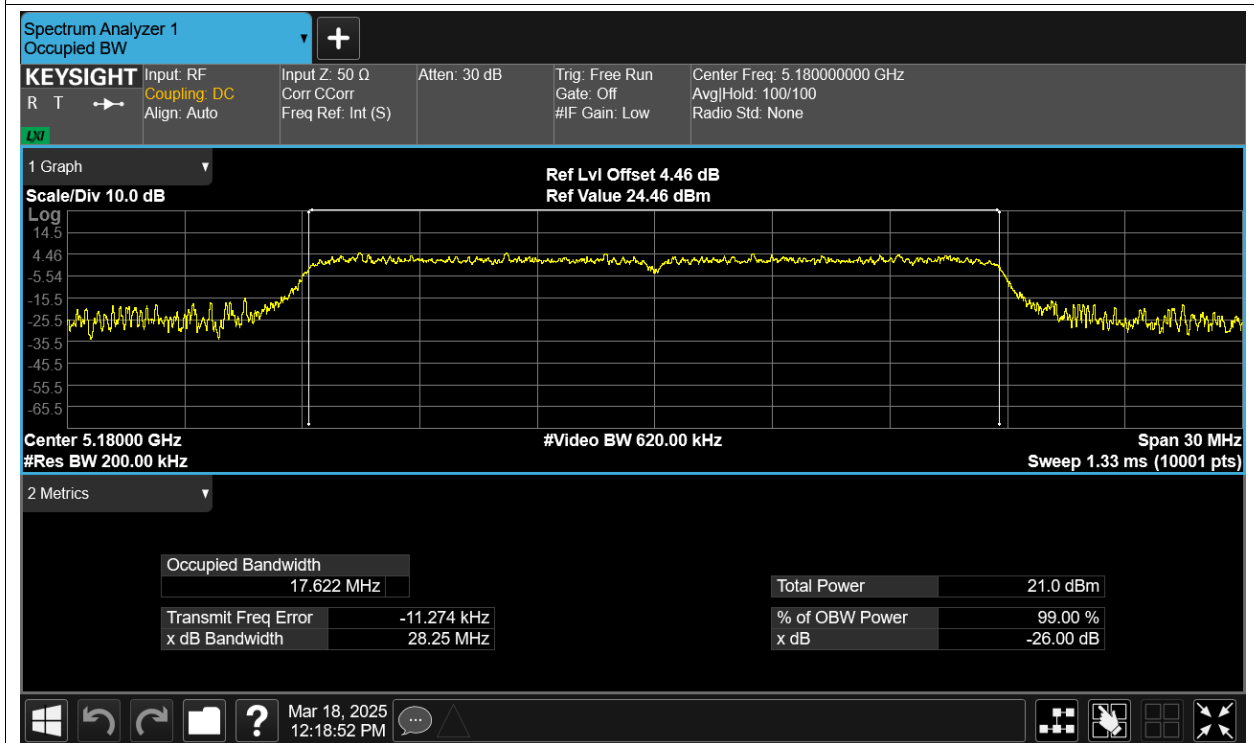
OBW NVNT ac40 5230MHz Ant12



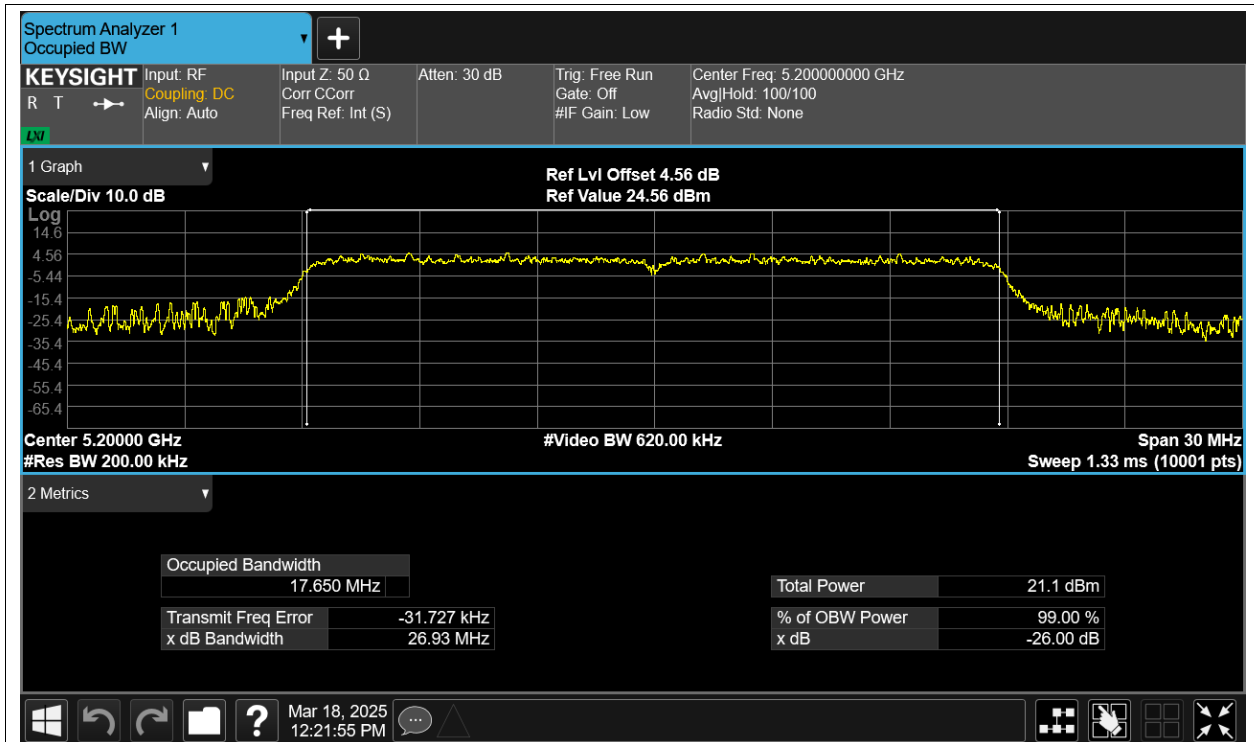
OBW NVNT ac80 5210MHz Ant12



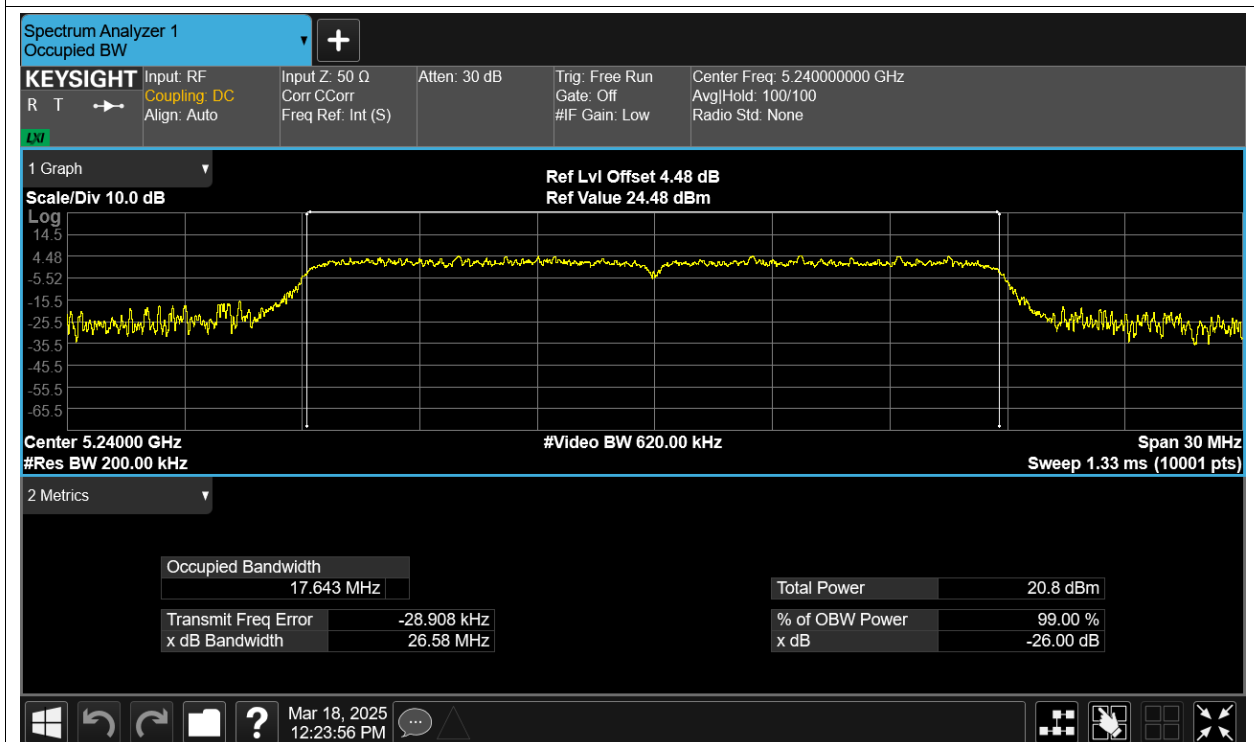
OBW NVNT n20 5180MHz Ant12



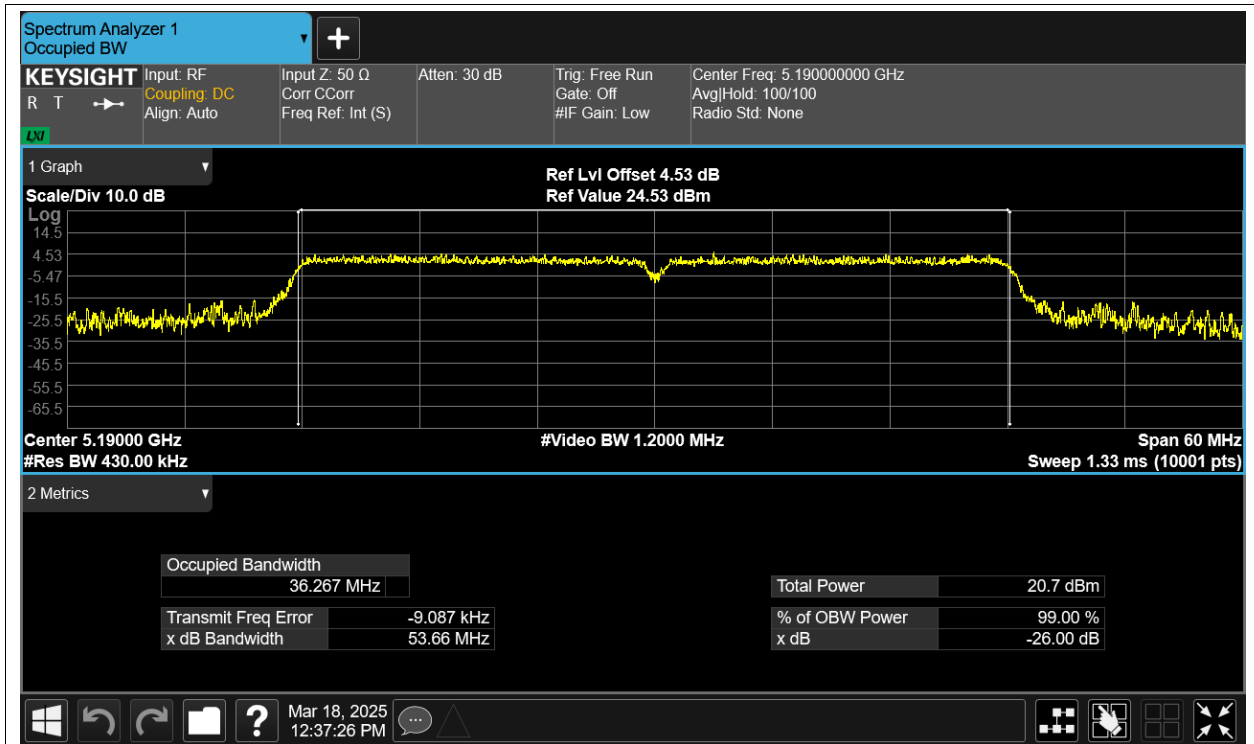
OBW NVNT n20 5200MHz Ant12



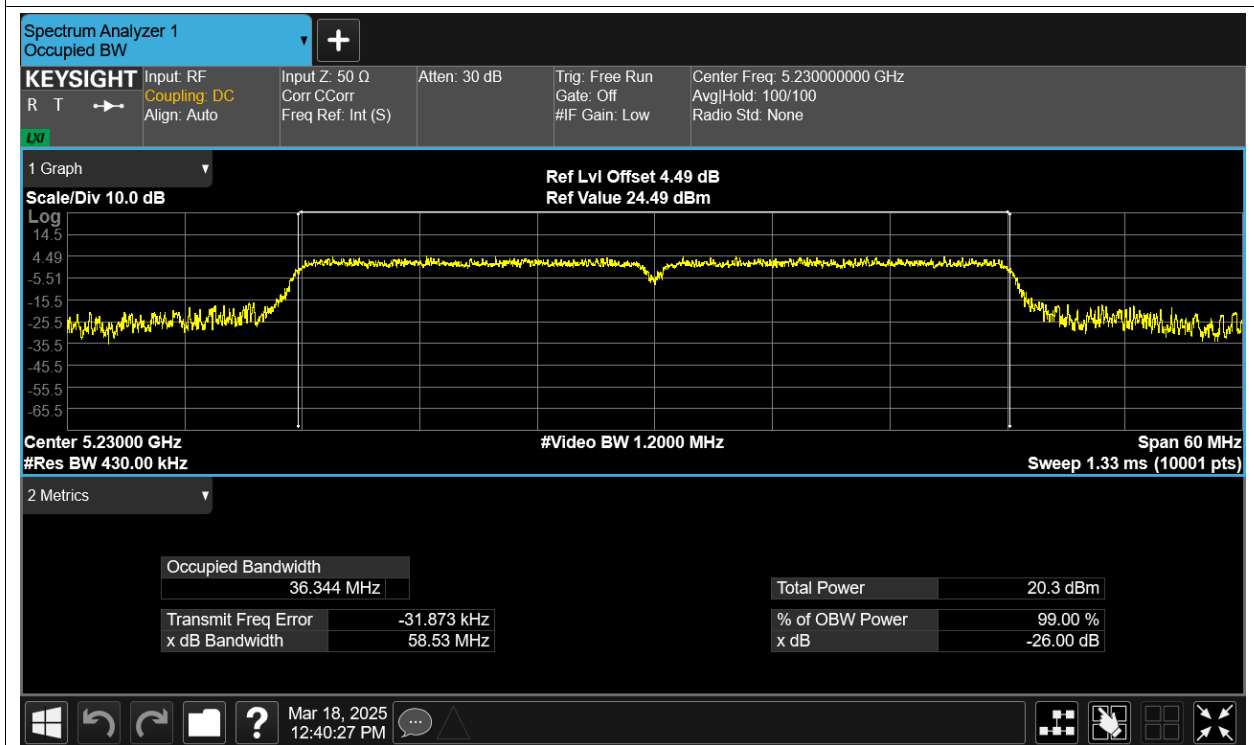
OBW NVNT n20 5240MHz Ant12



OBW NVNT n40 5190MHz Ant12



OBW NVNT n40 5230MHz Ant12

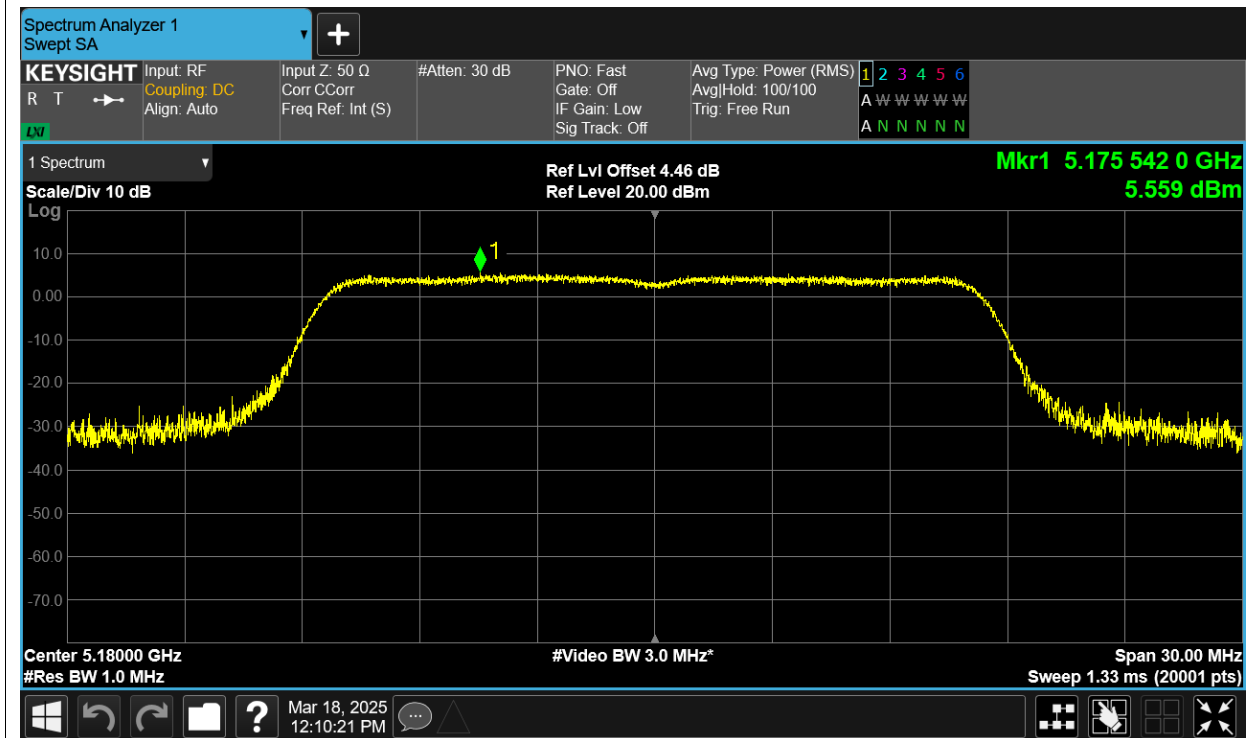


Maximum Power Spectral Density Level

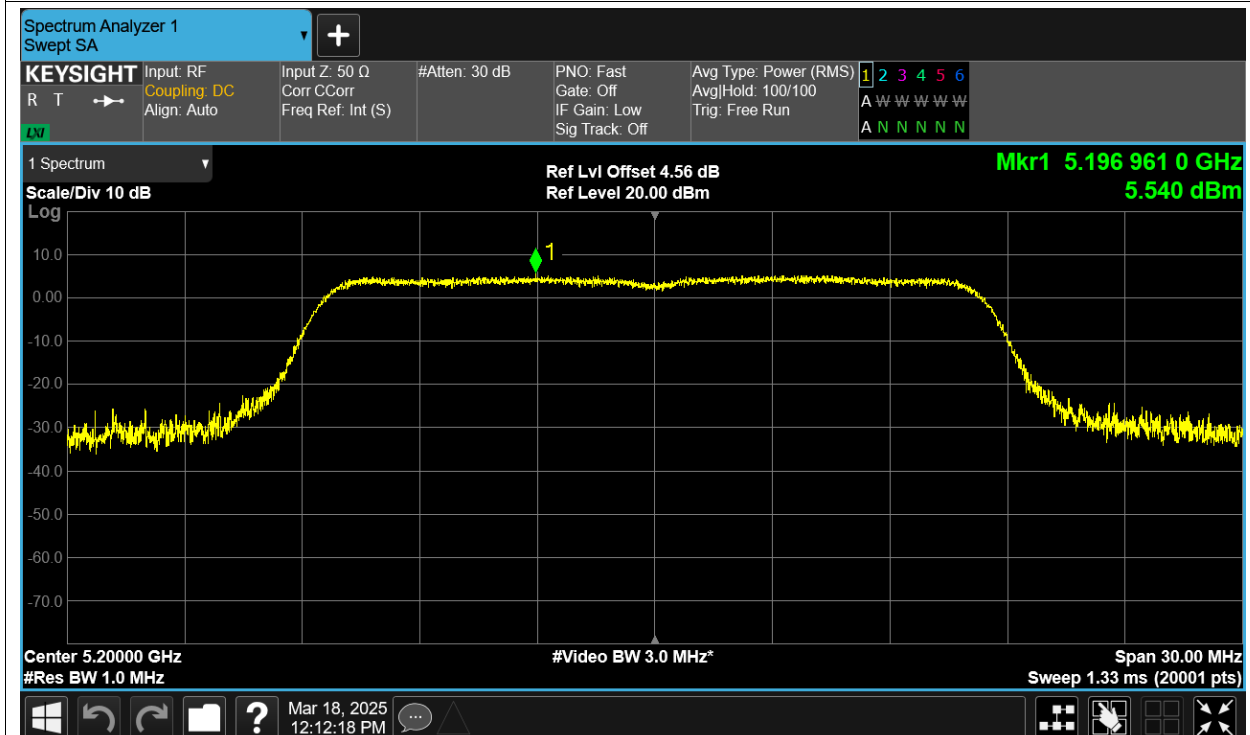
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant12	5.559	11	Pass
NVNT	a	5200	Ant12	5.54	11	Pass
NVNT	a	5240	Ant12	5.379	11	Pass
NVNT	ac20	5180	Ant12	3.462	11	Pass
NVNT	ac20	5200	Ant12	3.429	11	Pass
NVNT	ac20	5240	Ant12	3.263	11	Pass
NVNT	ac40	5190	Ant12	-0.176	11	Pass
NVNT	ac40	5230	Ant12	-0.437	11	Pass
NVNT	ac80	5210	Ant12	-5.508	11	Pass
NVNT	n20	5180	Ant12	4.345	11	Pass
NVNT	n20	5200	Ant12	4.572	11	Pass
NVNT	n20	5240	Ant12	4.03	11	Pass
NVNT	n40	5190	Ant12	0.807	11	Pass
NVNT	n40	5230	Ant12	0.099	11	Pass

Test Graphs

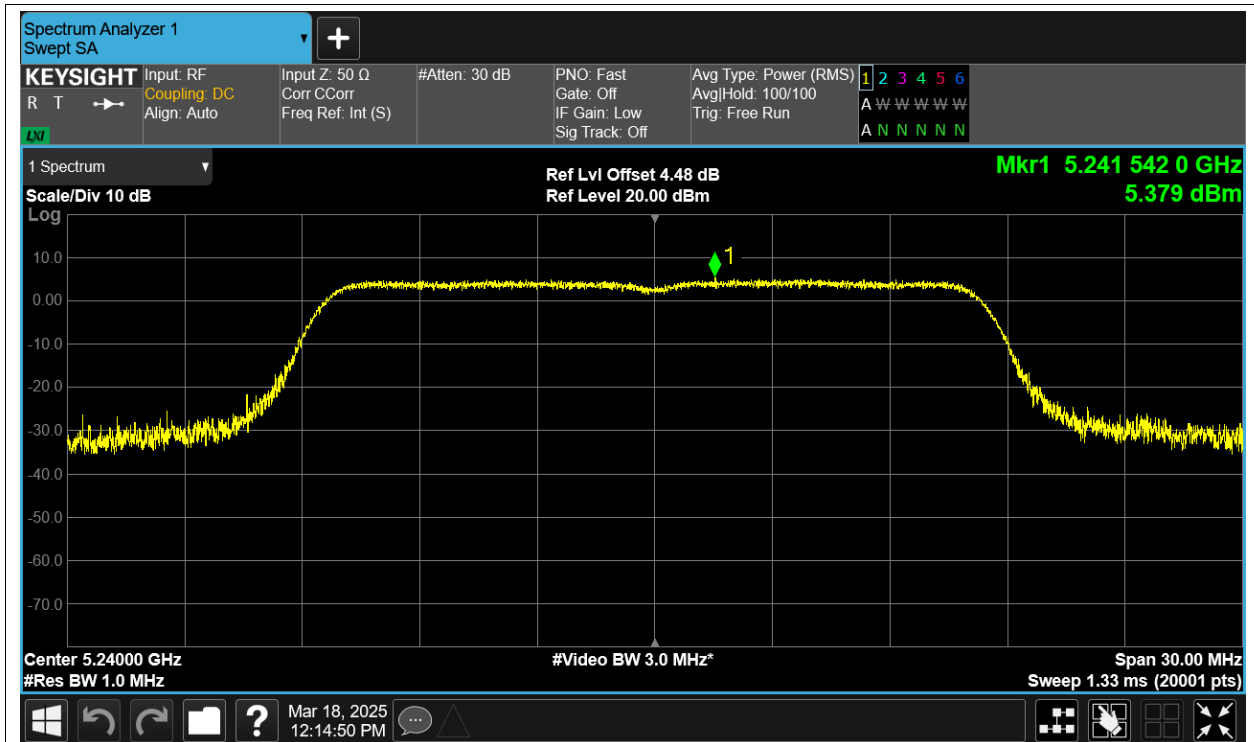
PSD NVNT a 5180MHz Ant12



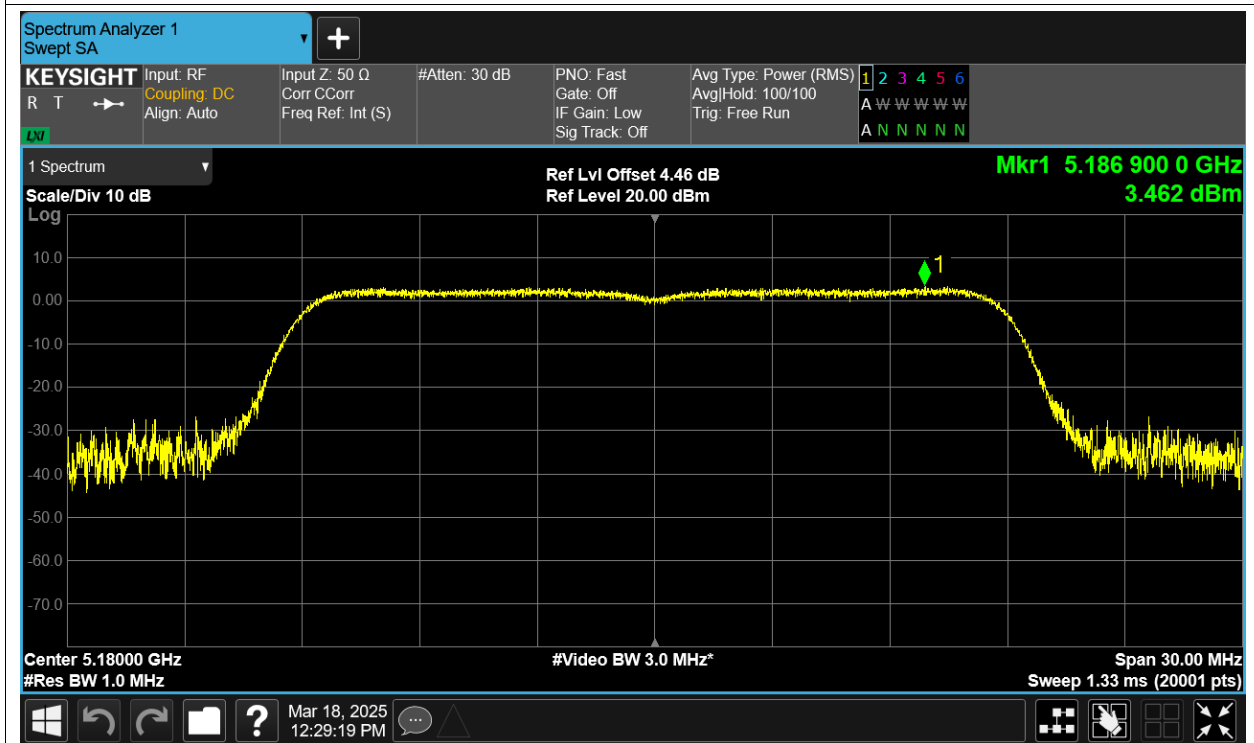
PSD NVNT a 5200MHz Ant12



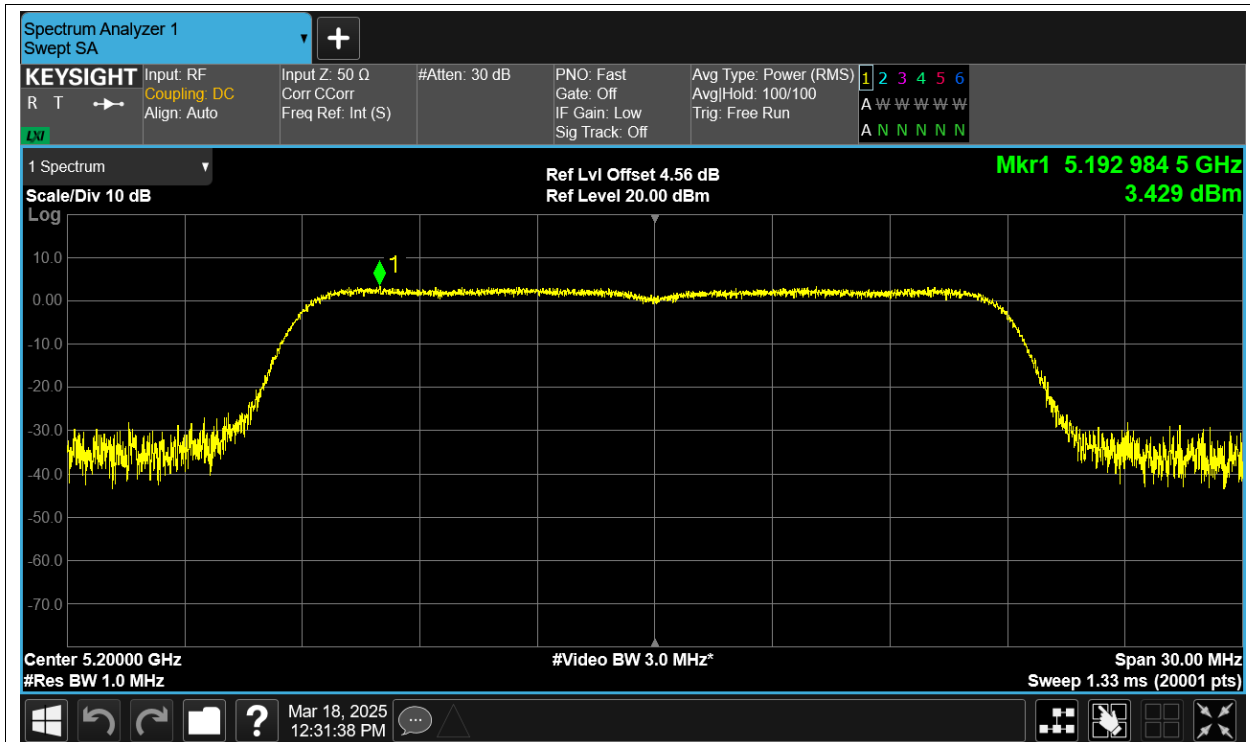
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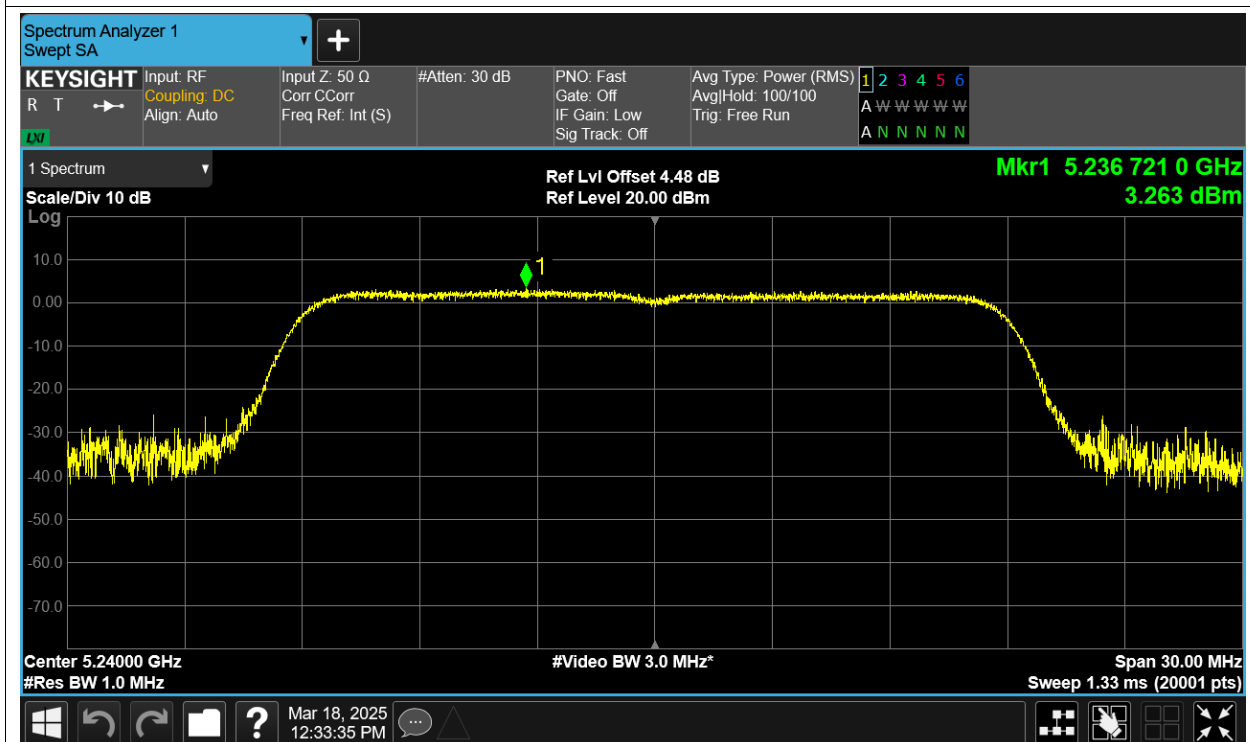
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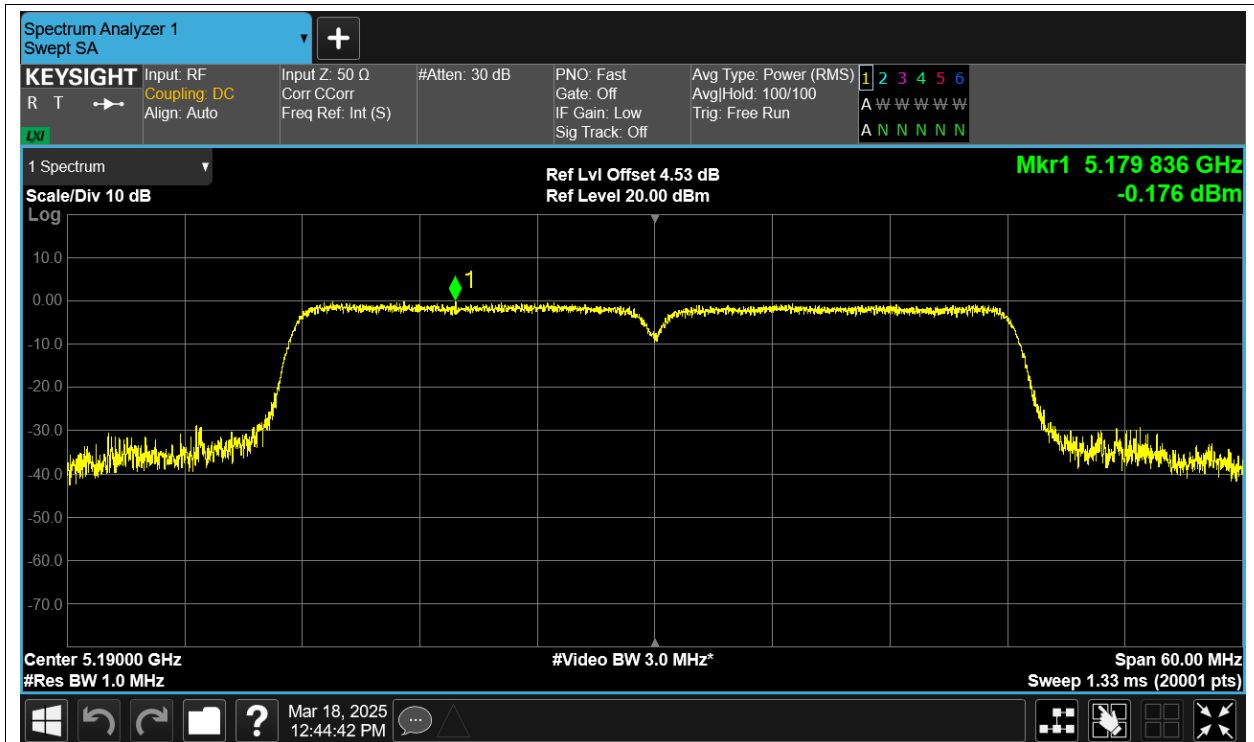
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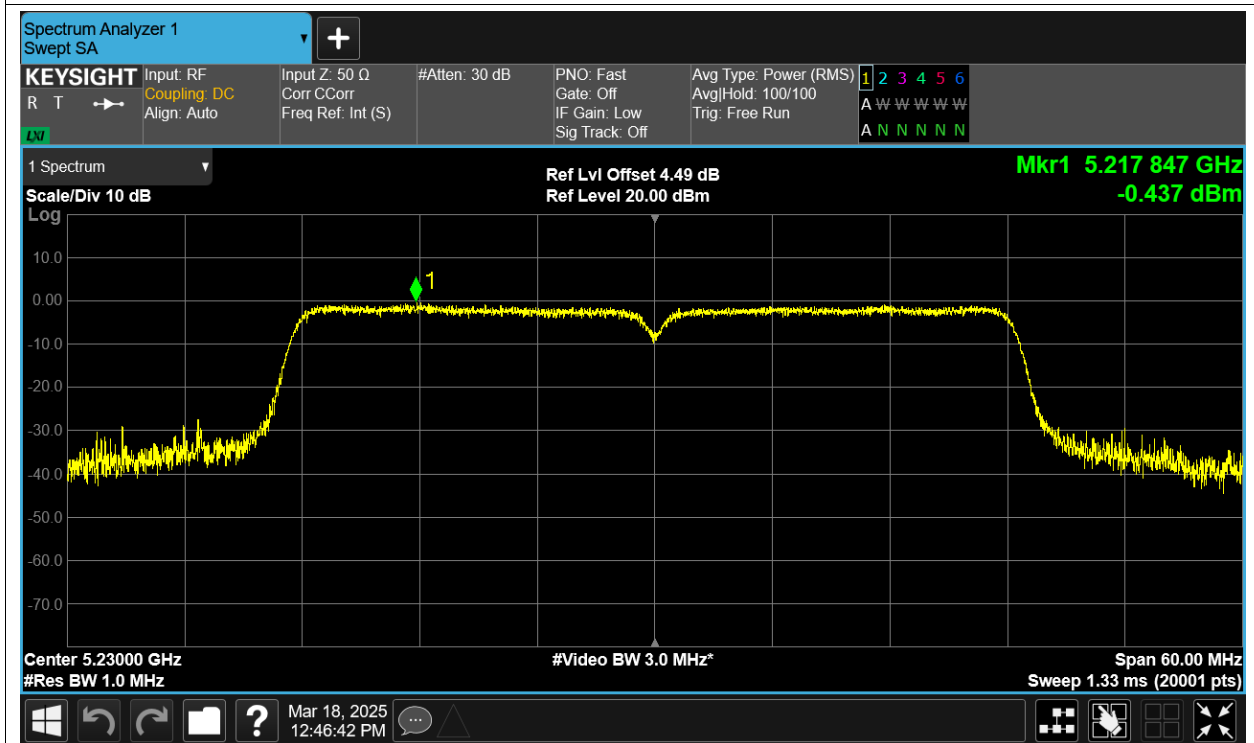
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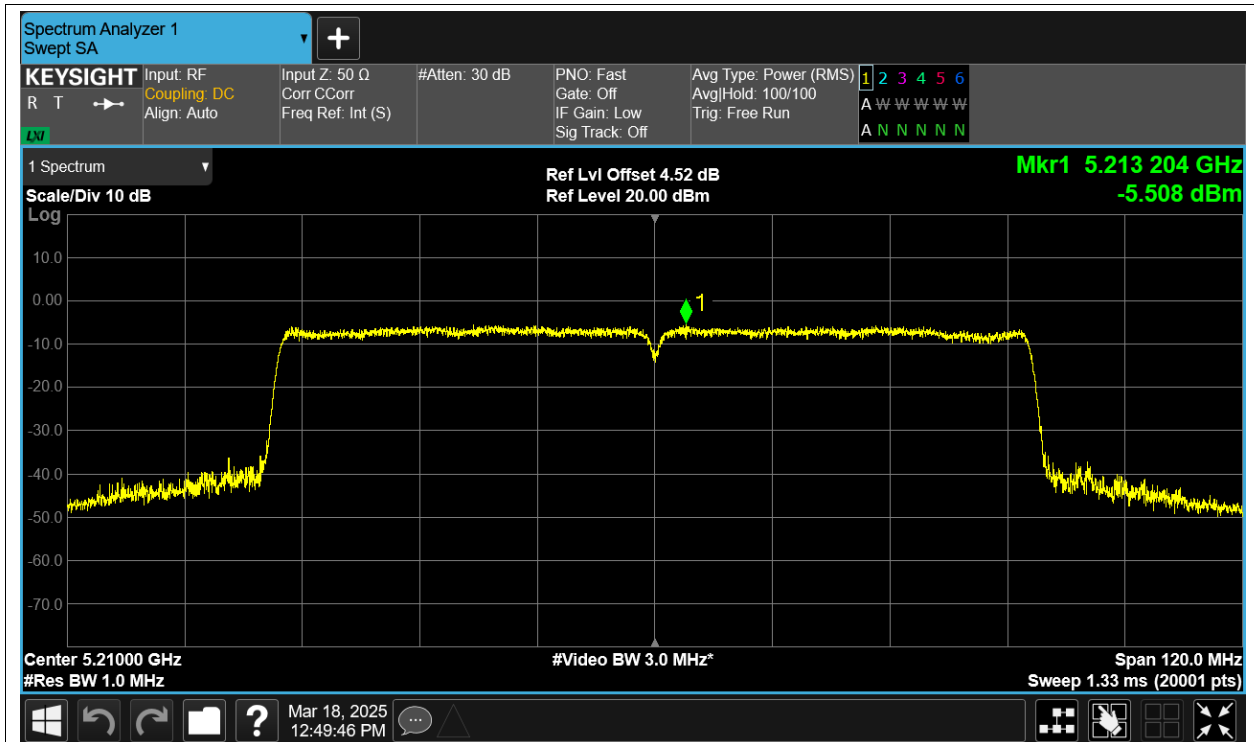
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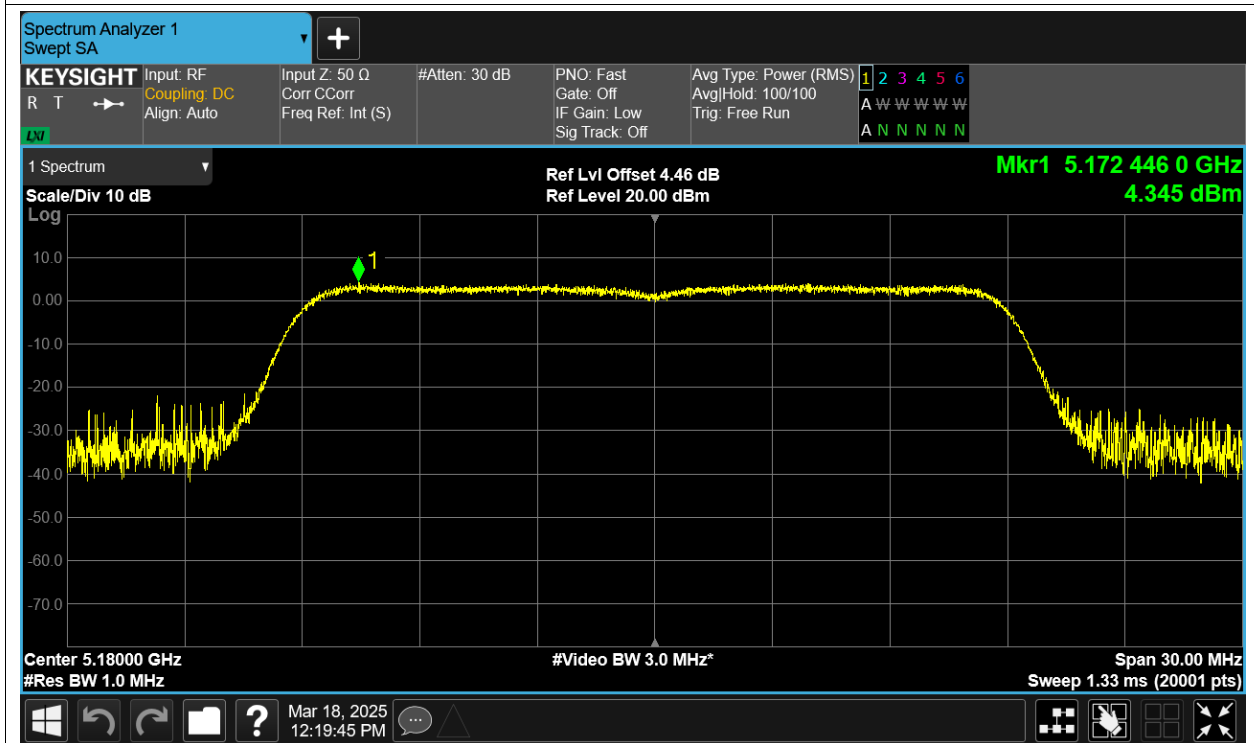
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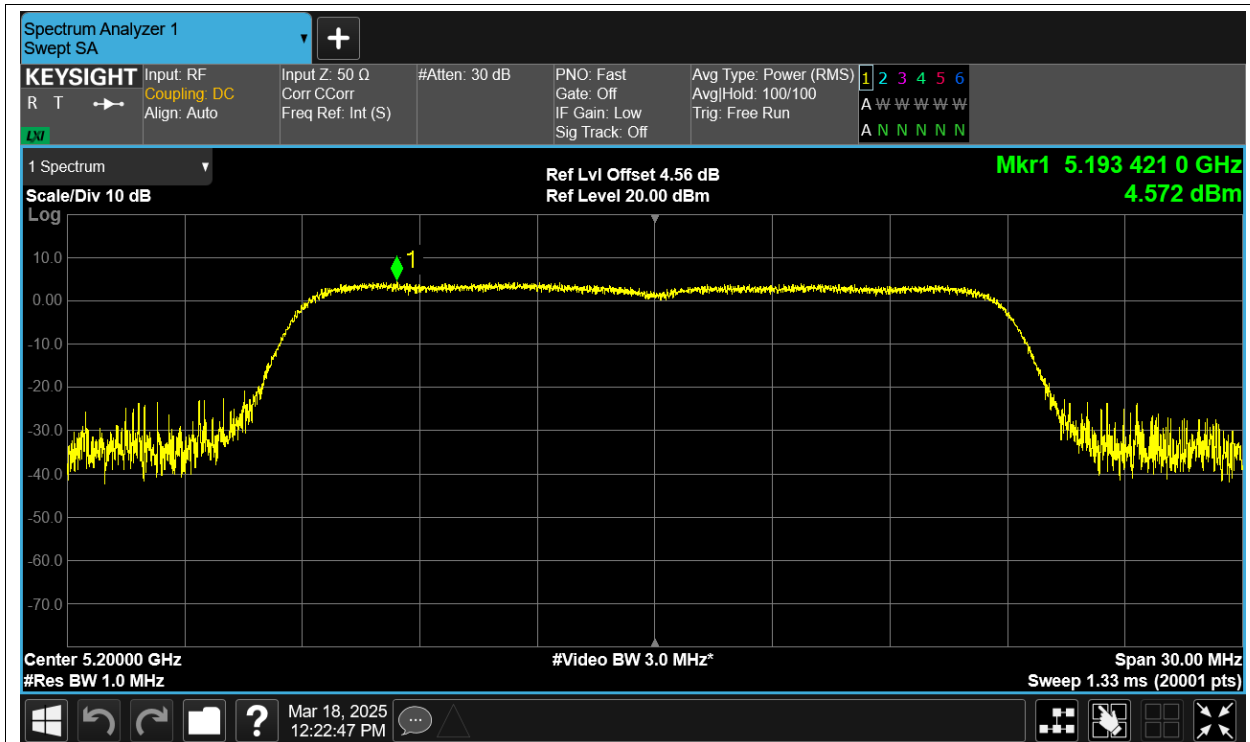
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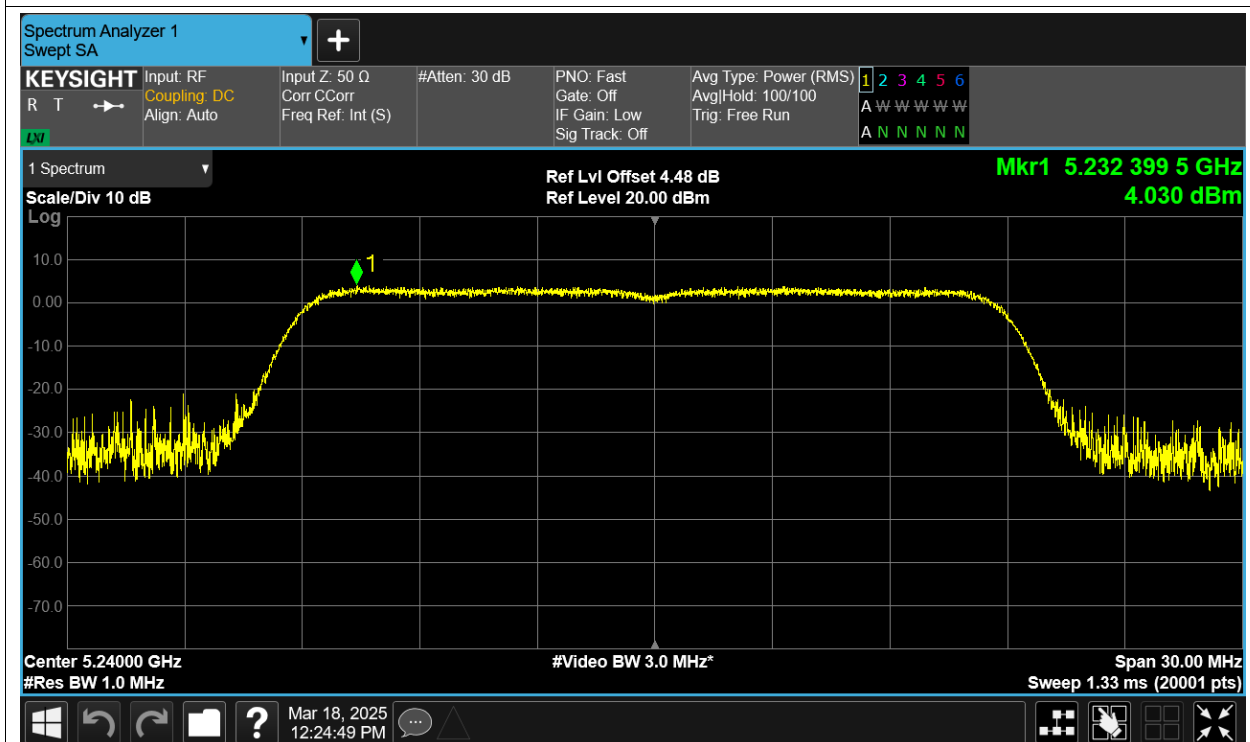
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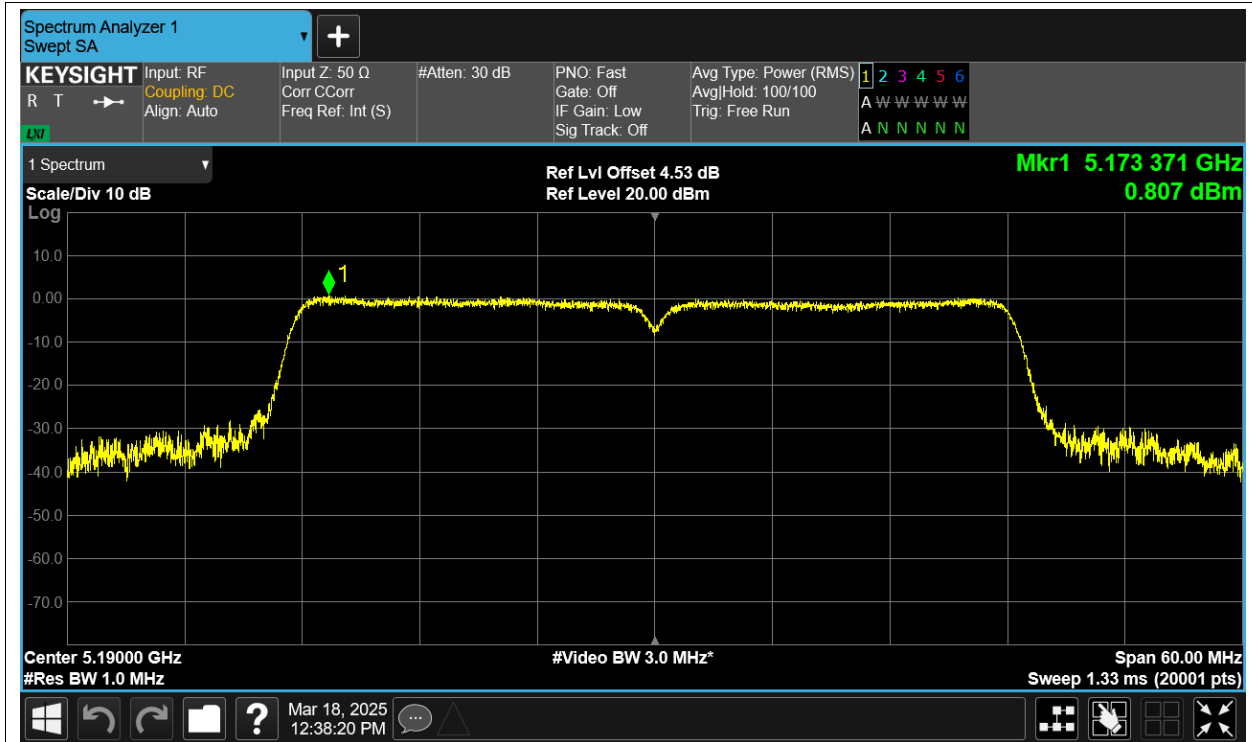
PSD NVNT n20 5200MHz Ant12



PSD NVNT n20 5240MHz Ant12



PSD NVNT n40 5190MHz Ant12



PSD NVNT n40 5230MHz Ant12

