

Test Data

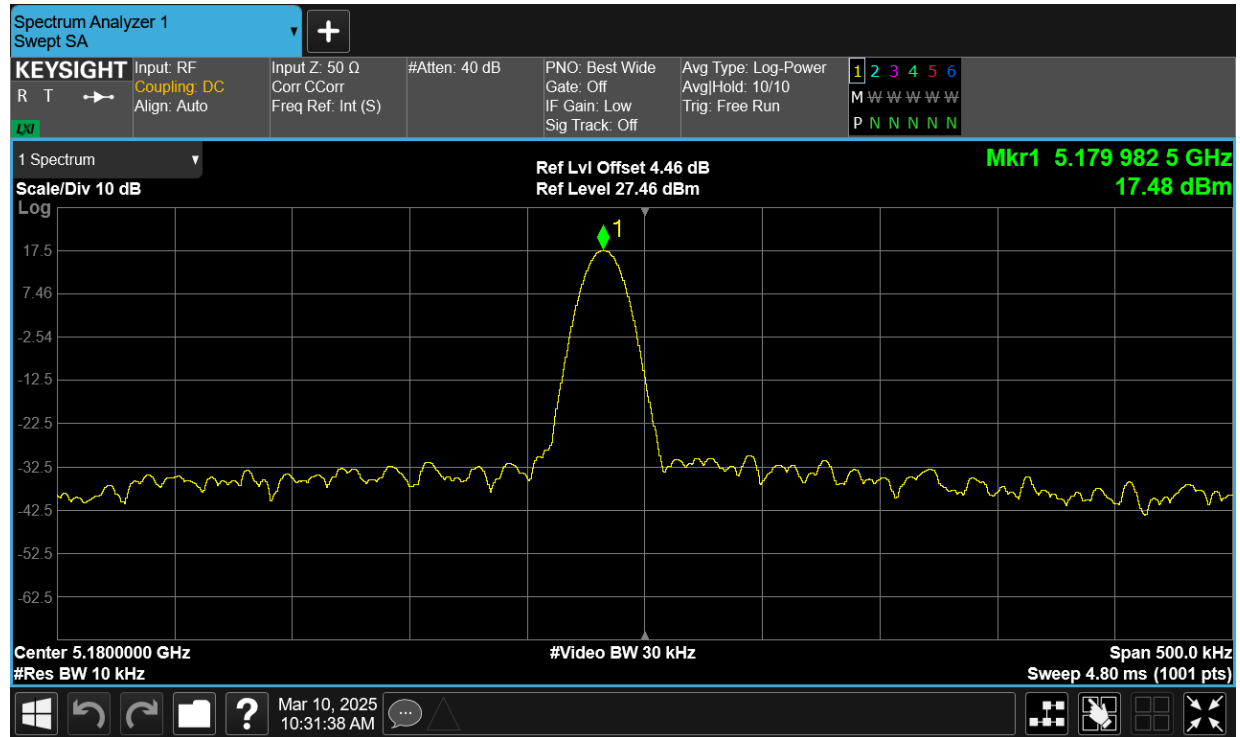
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9825	-3.38	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9825	-3.38		Pass
NVHT	a	5180	Ant1	5179.9825	-3.38		Pass
NVLT	a	5180	Ant1	5179.982	-3.47		Pass
NVNT	a	5180	Ant1	5179.984	-3.09		Pass
HVNT	ac80	5210	Ant1	5209.971	-5.57		Pass
LVNT	ac80	5210	Ant1	5209.9715	-5.47		Pass
NVHT	ac80	5210	Ant1	5209.9715	-5.47		Pass
NVLT	ac80	5210	Ant1	5209.972	-5.37		Pass
NVNT	ac80	5210	Ant1	5209.972333001	-5.31		Pass
HVNT	n40	5190	Ant1	5189.9745	-4.91		Pass
LVNT	n40	5190	Ant1	5189.975	-4.82		Pass
NVHT	n40	5190	Ant1	5189.975	-4.82		Pass
NVLT	n40	5190	Ant1	5189.976	-4.62		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

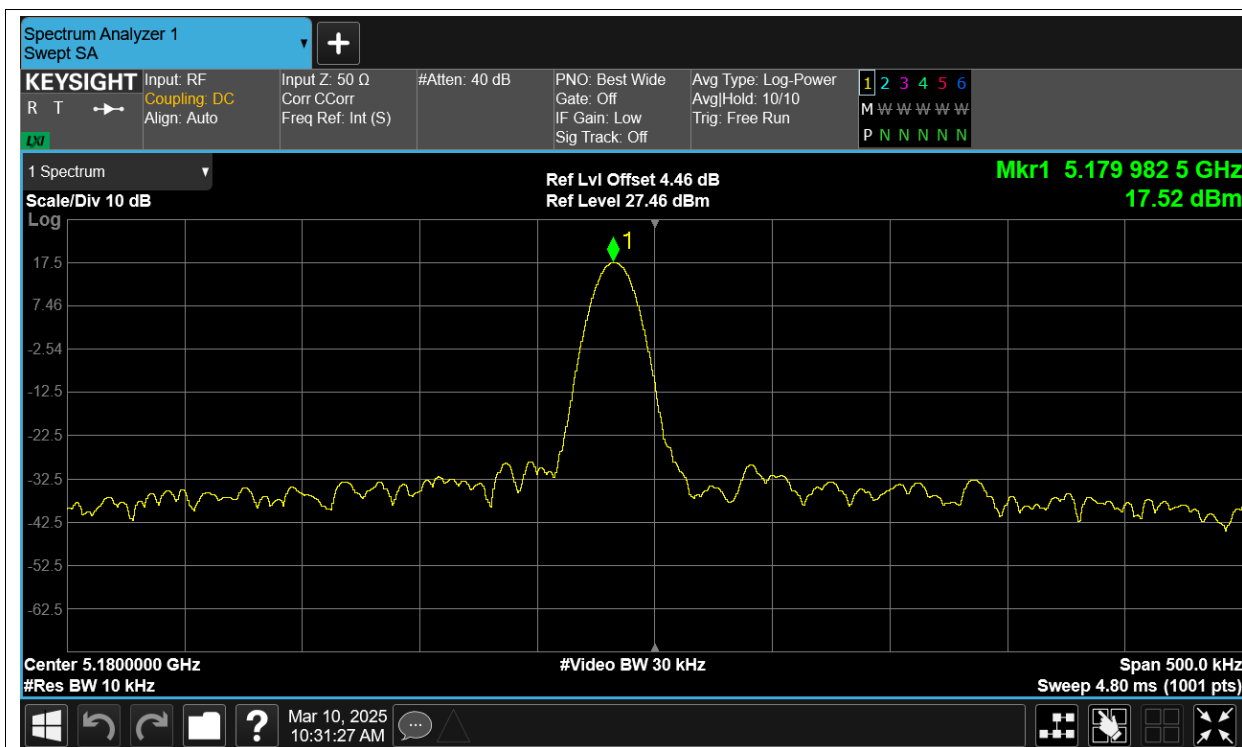
Freq. Stability HVNT a 5180MHz Ant1



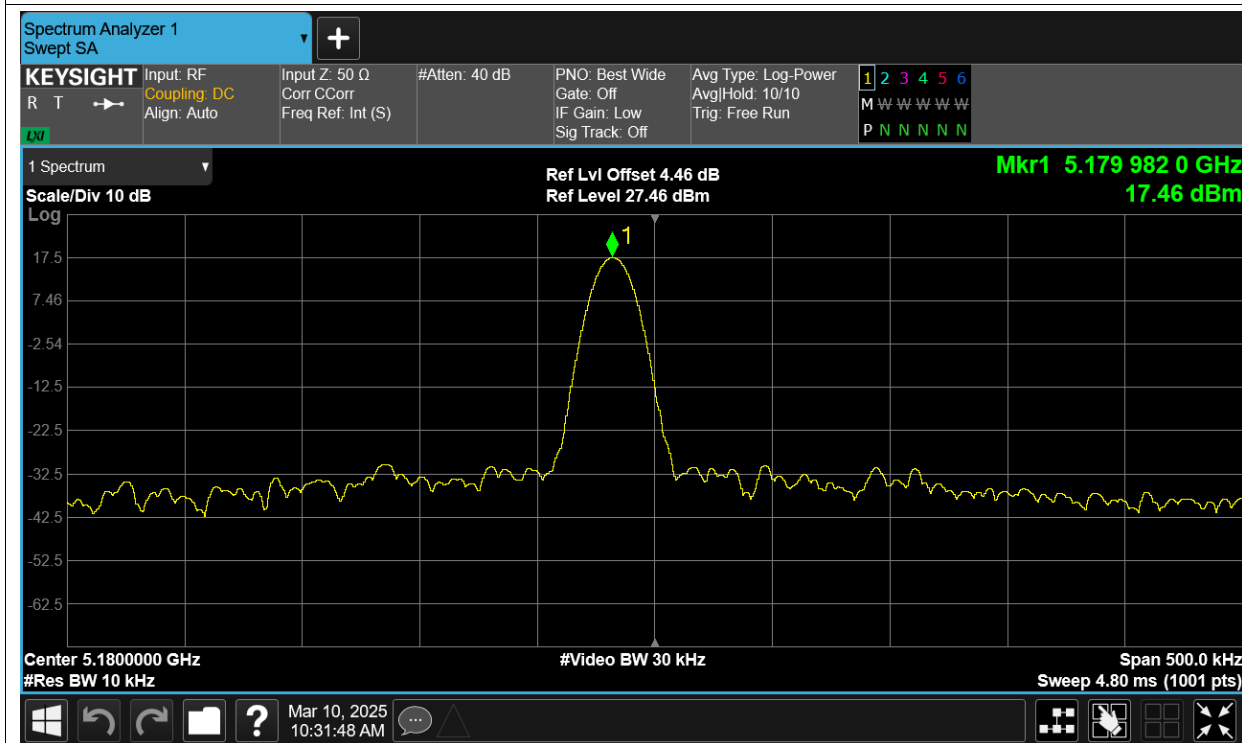
Freq. Stability LVNT a 5180MHz Ant1



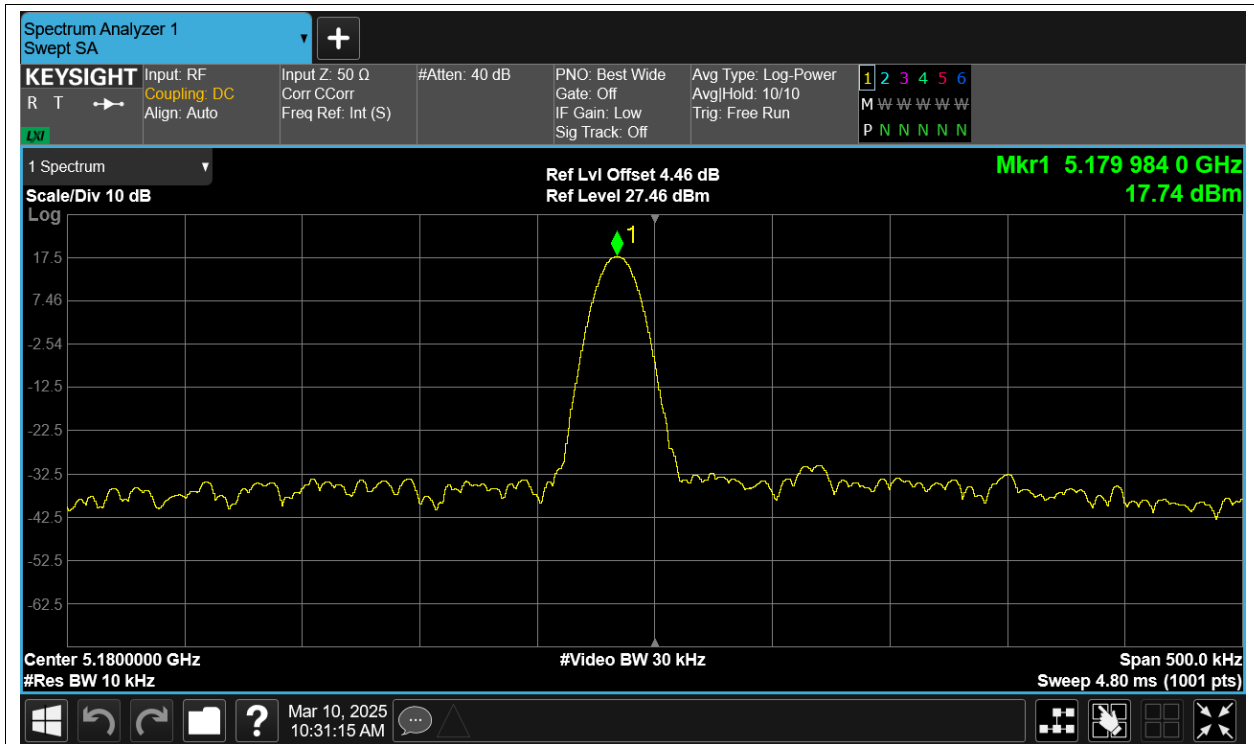
Freq. Stability NVHT a 5180MHz Ant1



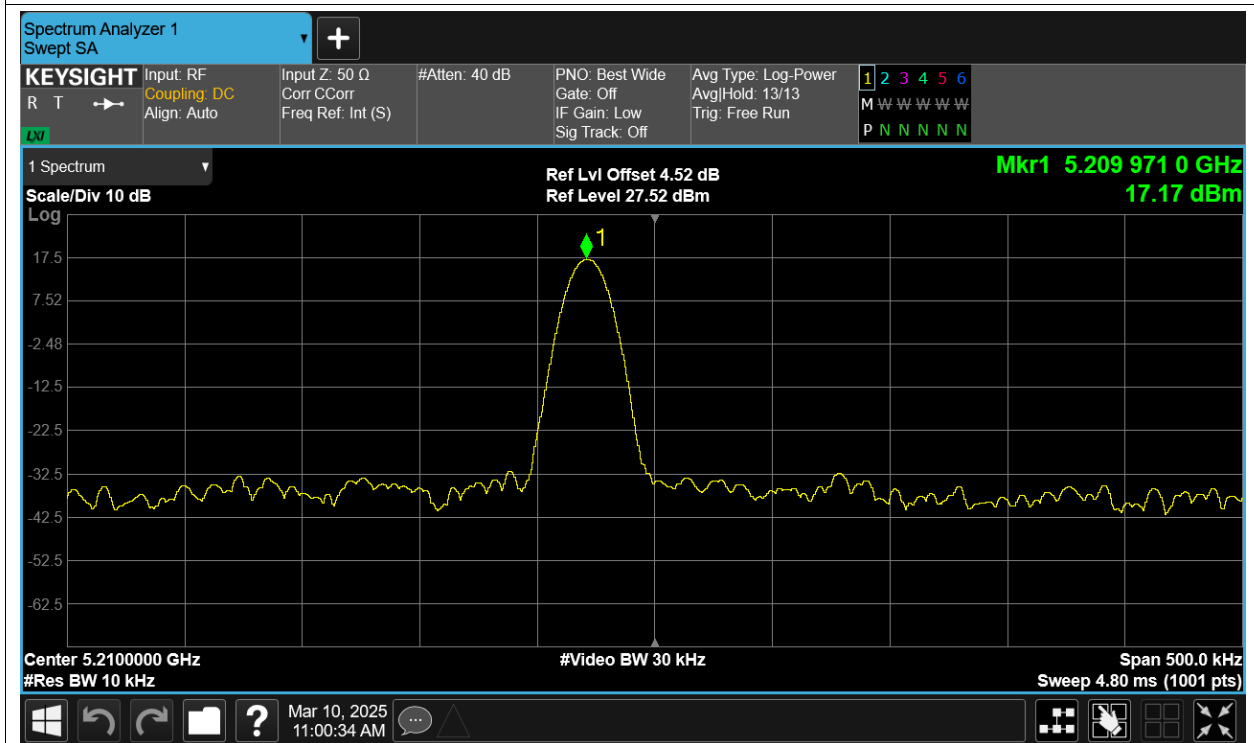
Freq. Stability NVLT a 5180MHz Ant1



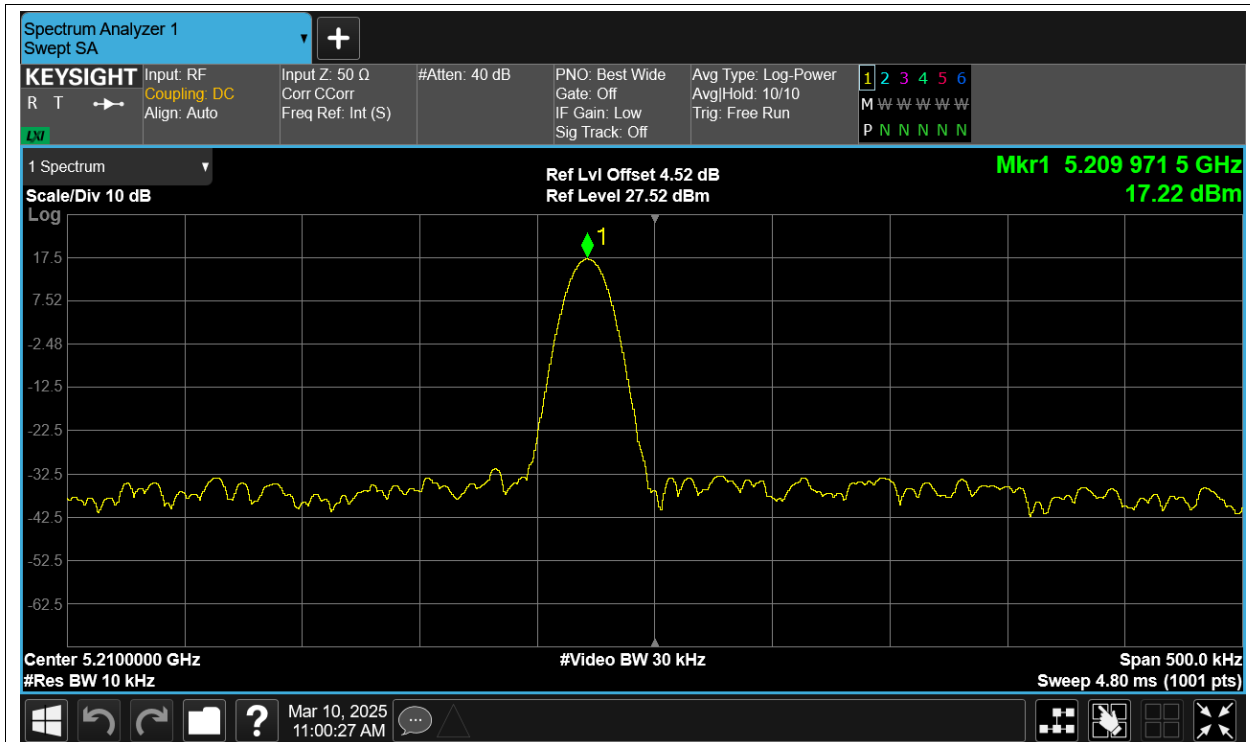
Freq. Stability NVNT a 5180MHz Ant1



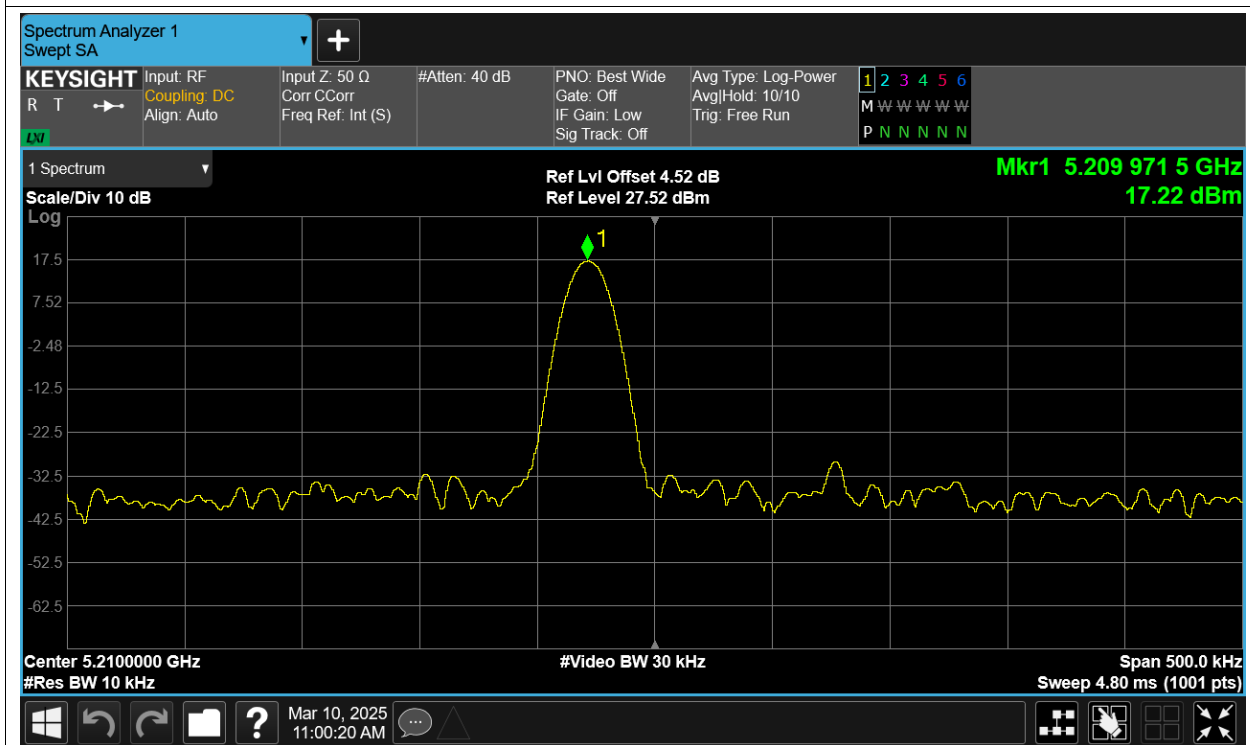
Freq. Stability HVNT ac80 5210MHz Ant1



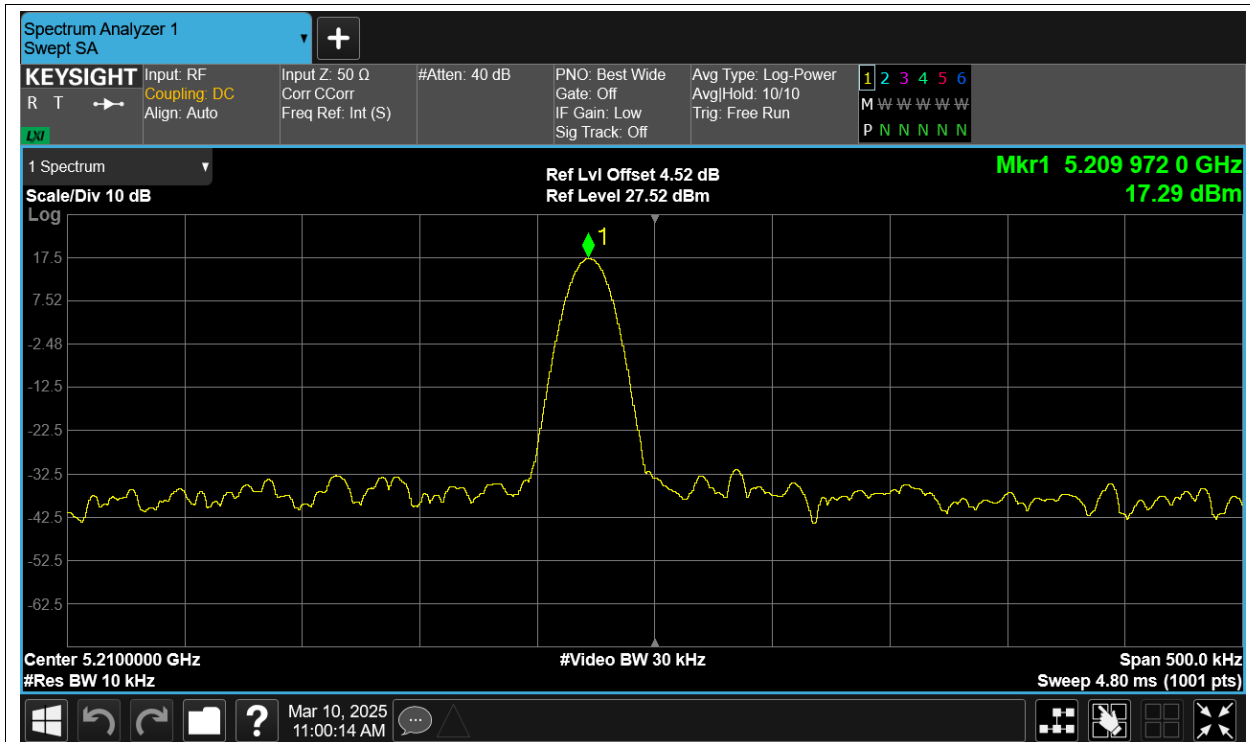
Freq. Stability LVNT ac80 5210MHz Ant1



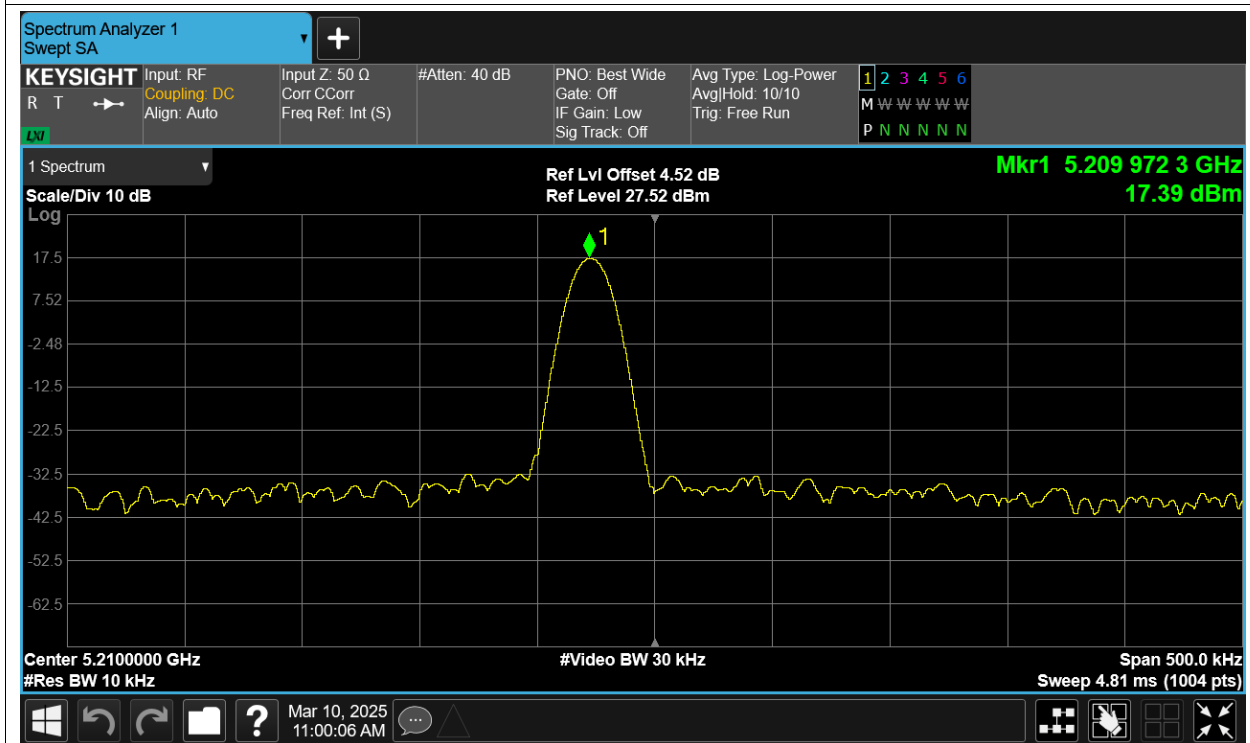
Freq. Stability NVHT ac80 5210MHz Ant1



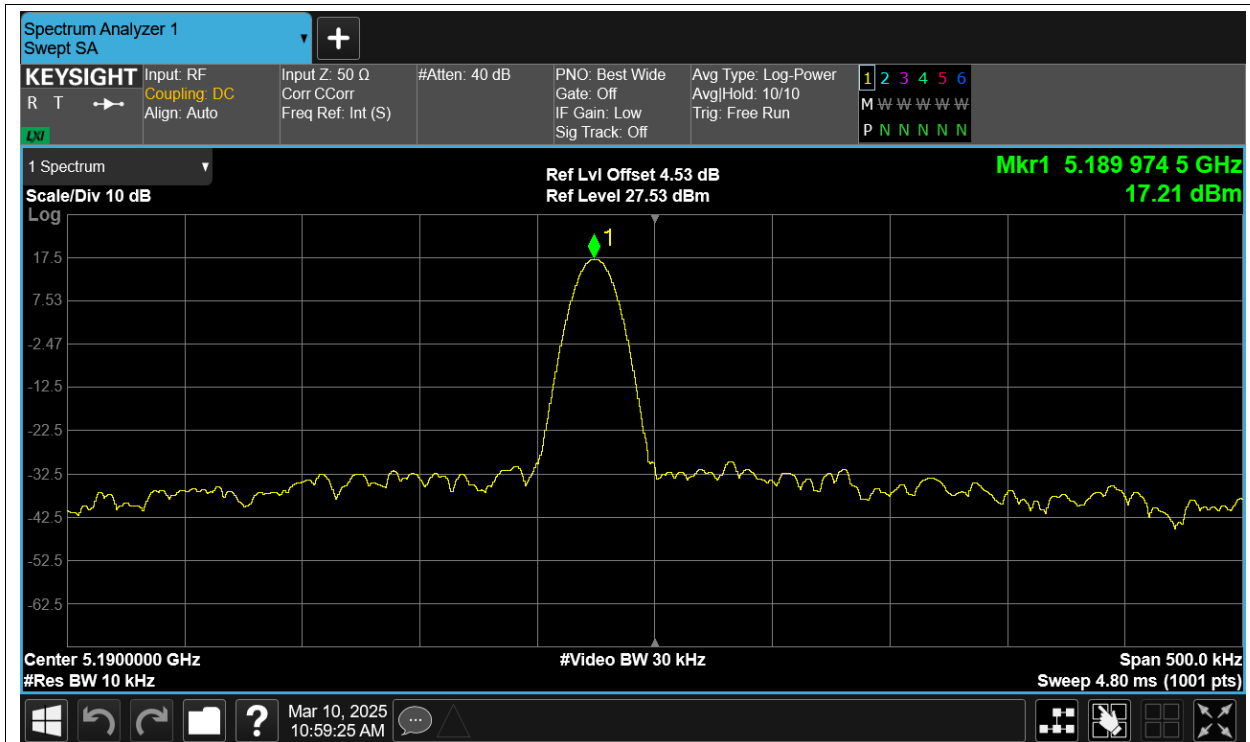
Freq. Stability NVLT ac80 5210MHz Ant1



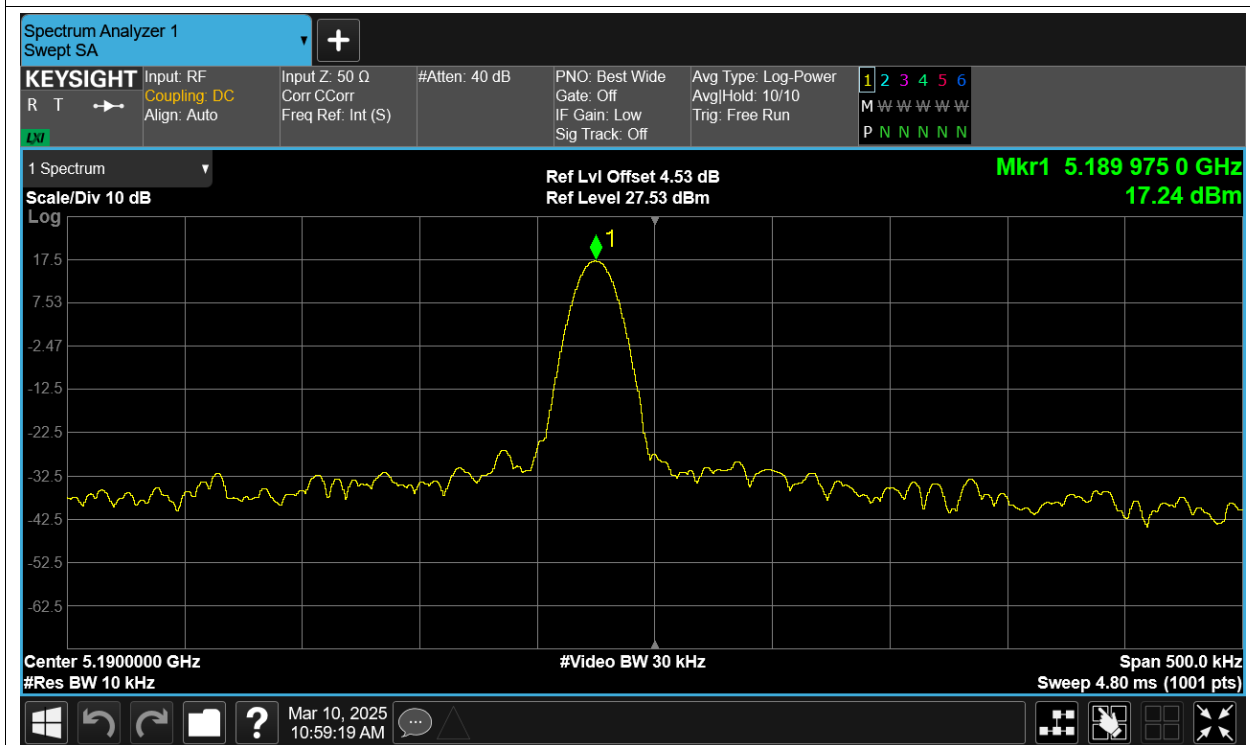
Freq. Stability NVNT ac80 5210MHz Ant1



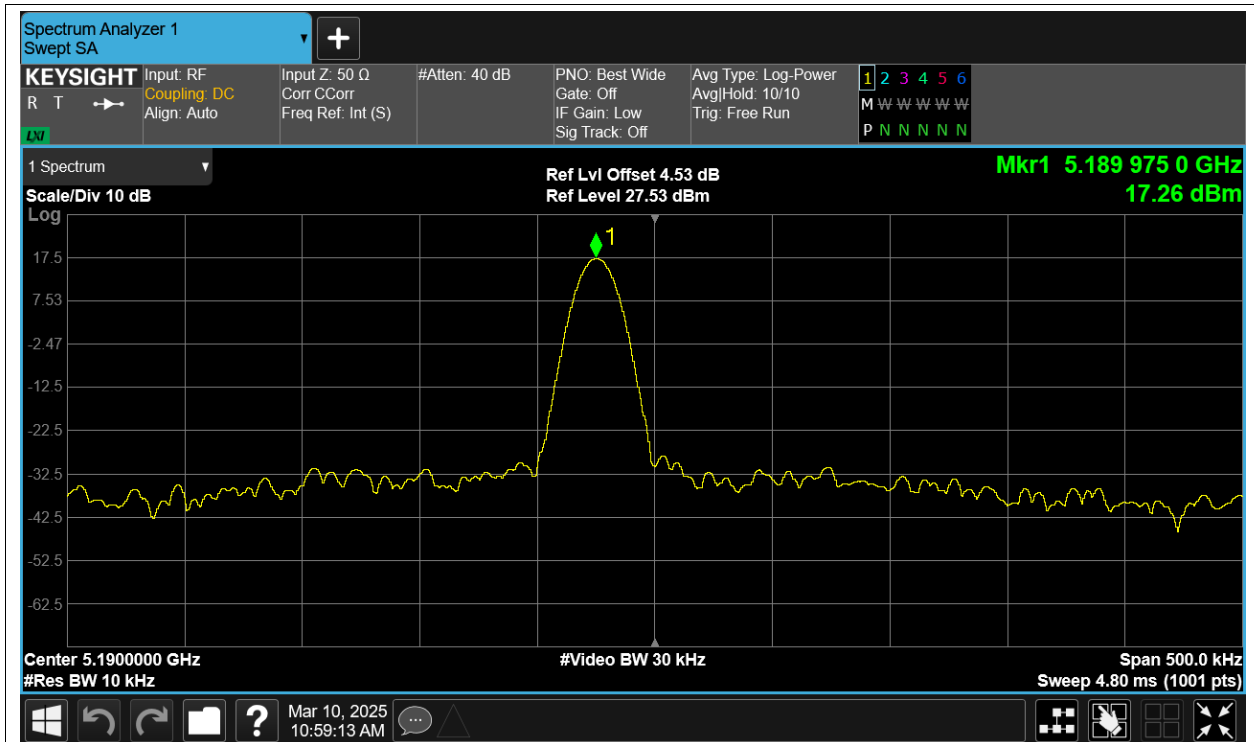
Freq. Stability HVNT n40 5190MHz Ant1



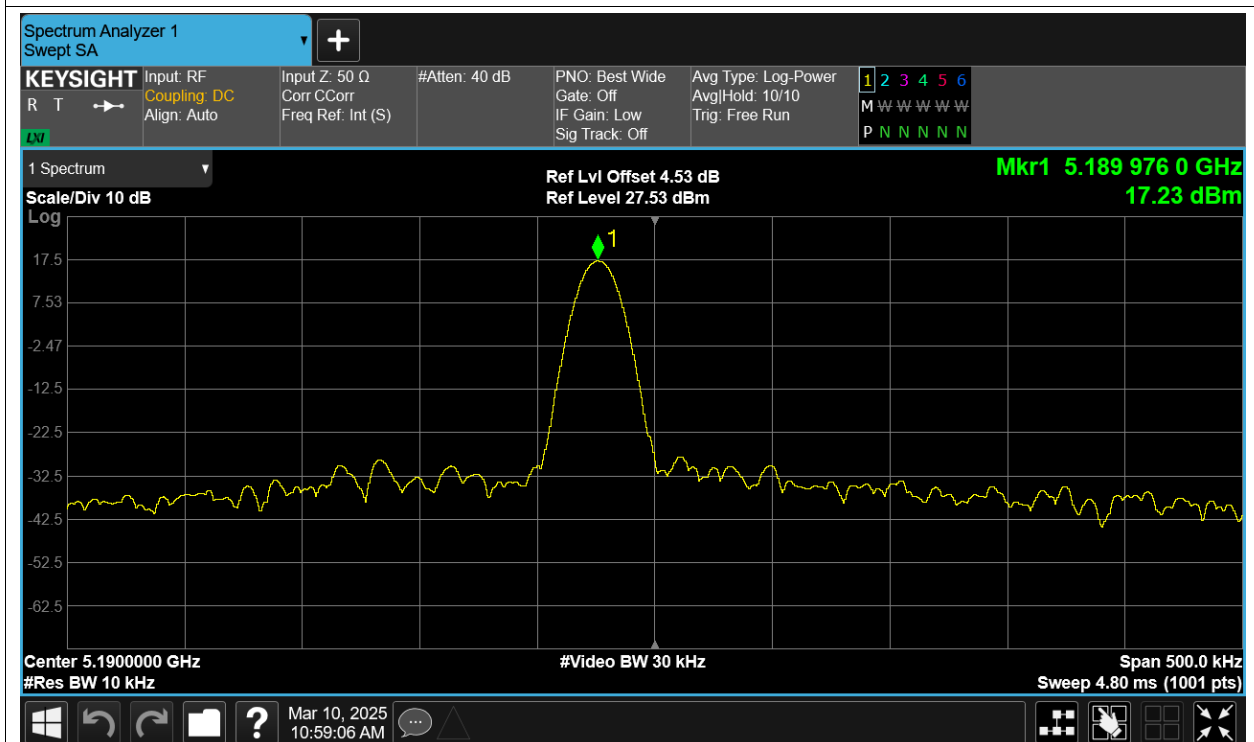
Freq. Stability LVNT n40 5190MHz Ant1



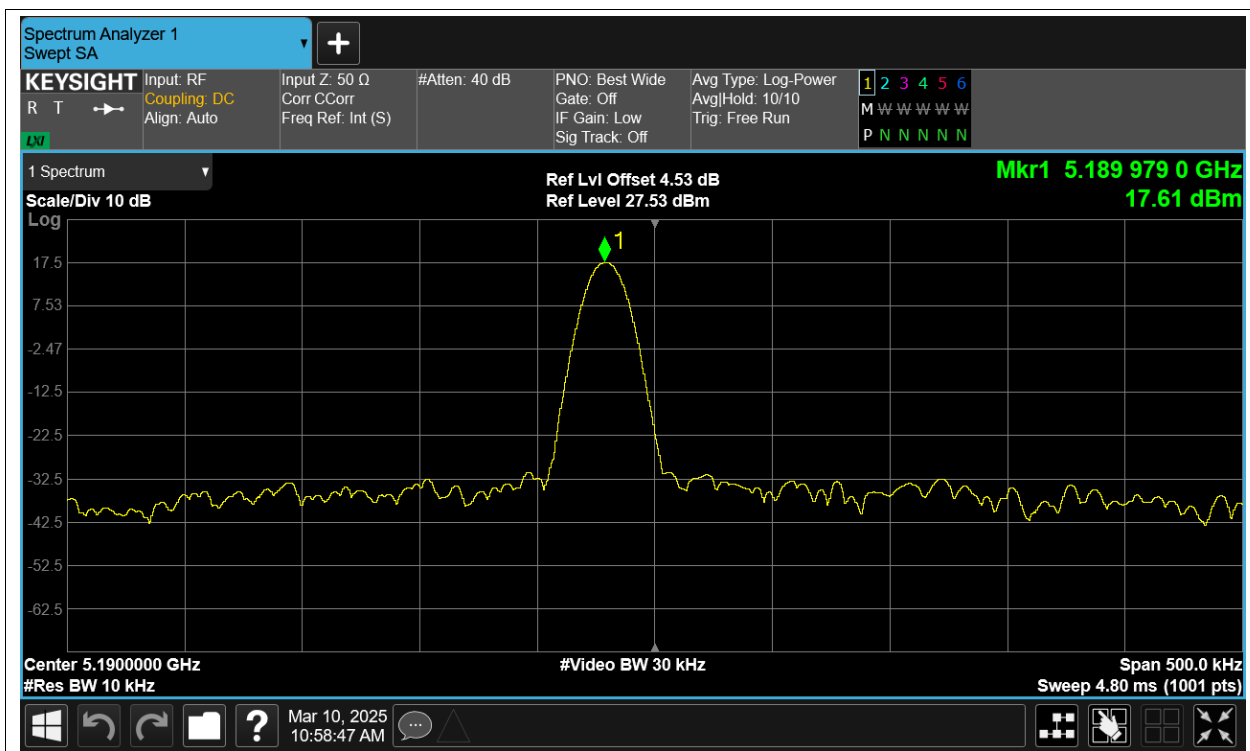
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

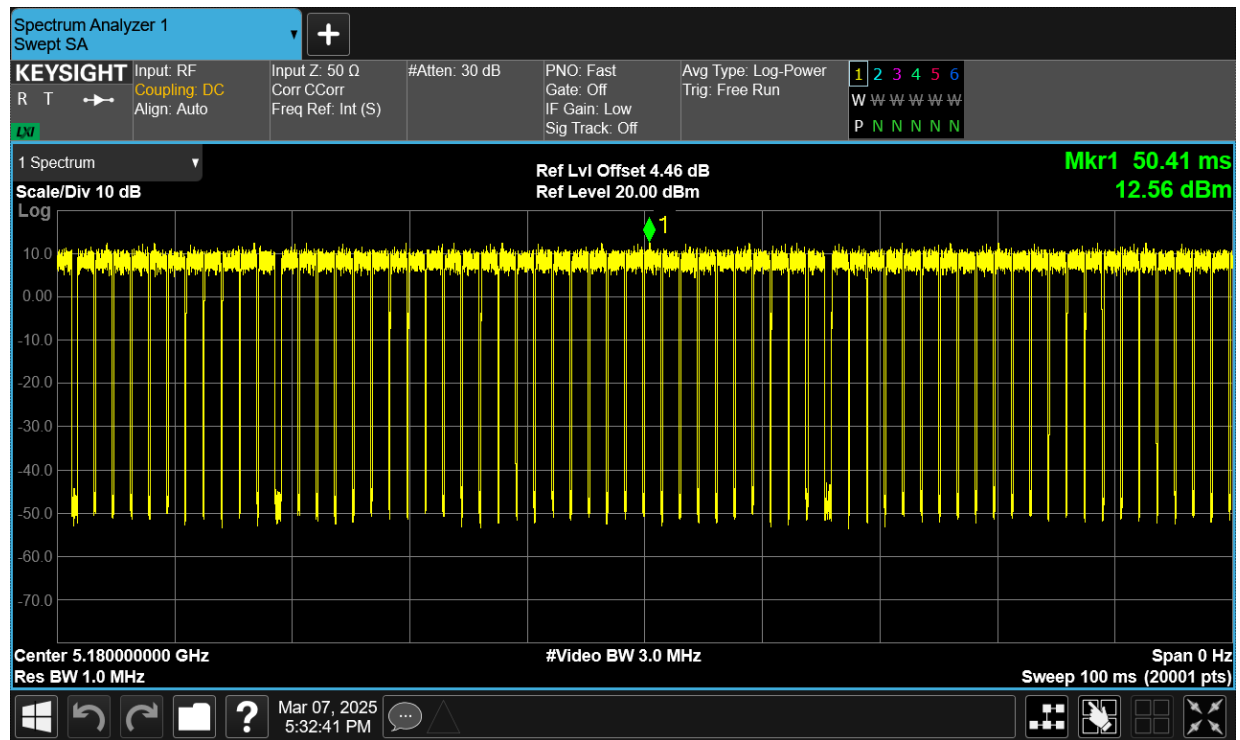


Duty Cycle

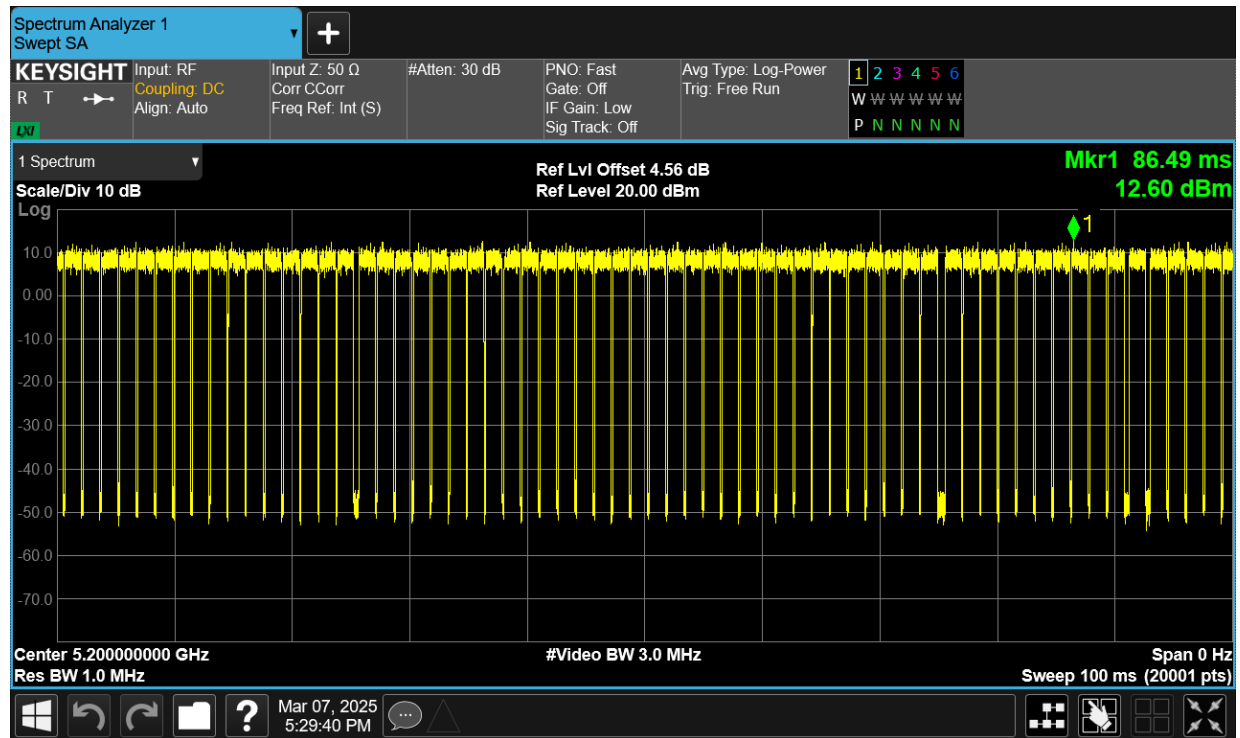
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	89.53	0.48
NVNT	a	5200	Ant1	89.41	0.49
NVNT	a	5240	Ant1	90.08	0.45
NVNT	ac20	5180	Ant1	88.42	0.53
NVNT	ac20	5200	Ant1	88.84	0.51
NVNT	ac20	5240	Ant1	88.63	0.52
NVNT	ac40	5190	Ant1	77	1.14
NVNT	ac40	5230	Ant1	78.58	1.05
NVNT	ac80	5210	Ant1	67.46	1.71
NVNT	n20	5180	Ant1	86.48	0.63
NVNT	n20	5200	Ant1	88.87	0.51
NVNT	n20	5240	Ant1	88.89	0.51
NVNT	n40	5190	Ant1	80.01	0.97
NVNT	n40	5230	Ant1	79.61	0.99

Test Graphs

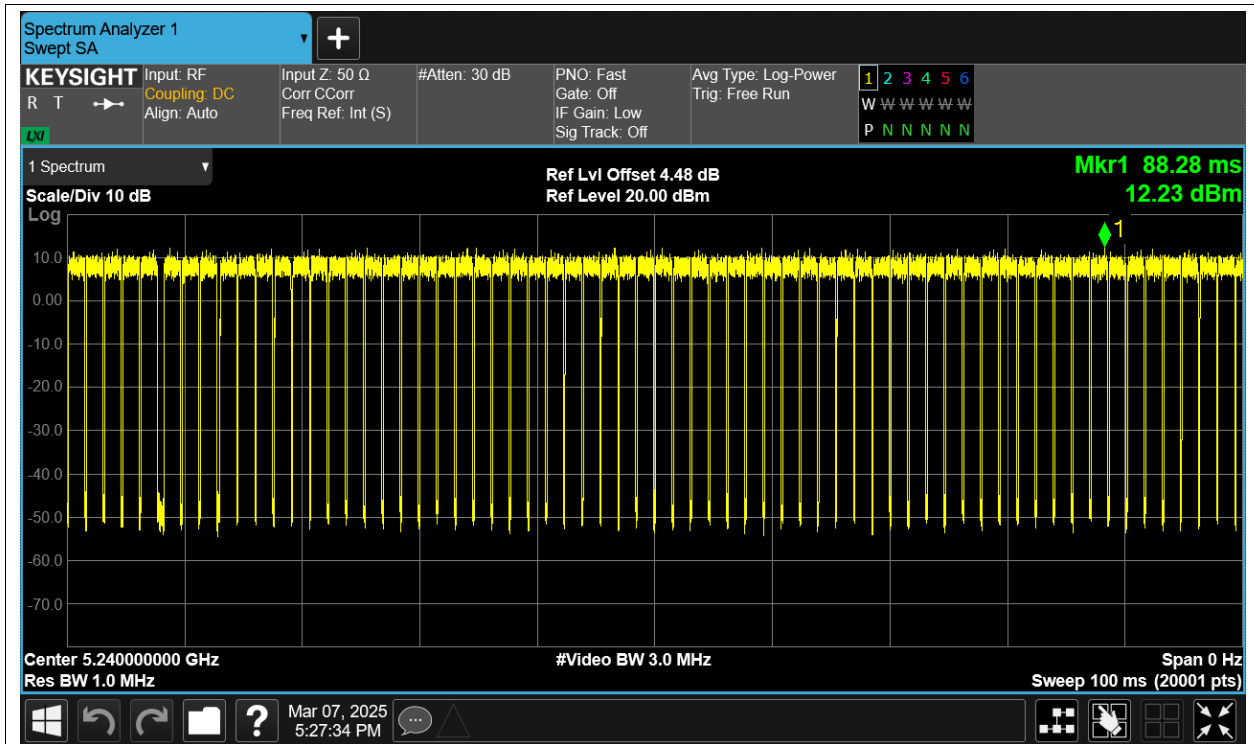
Duty Cycle NVNT a 5180MHz Ant1



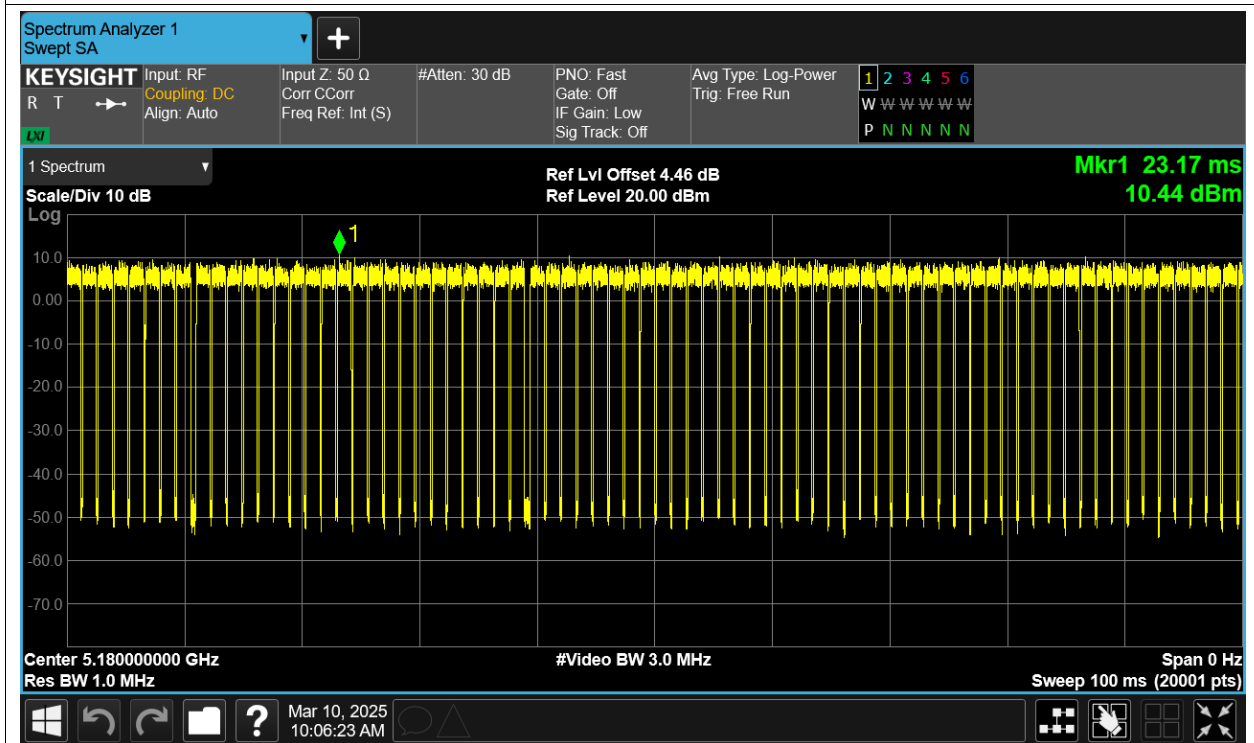
Duty Cycle NVNT a 5200MHz Ant1



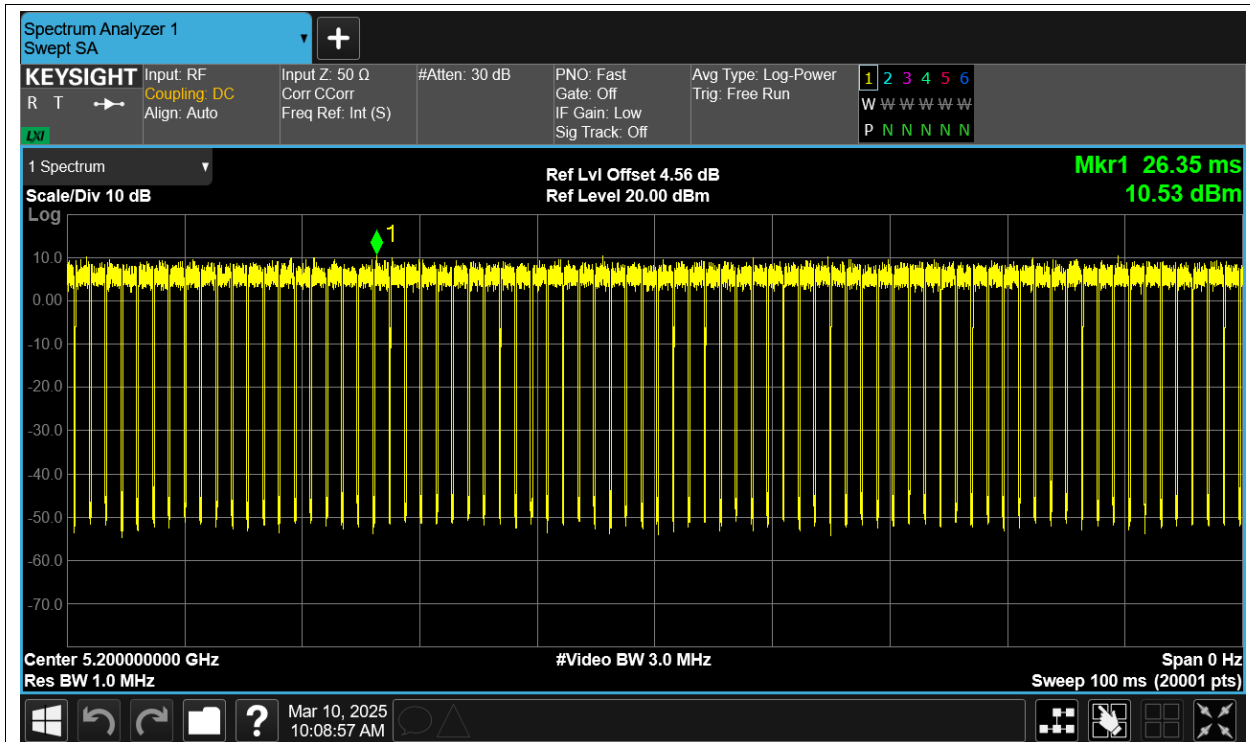
Duty Cycle NVNT a 5240MHz Ant1



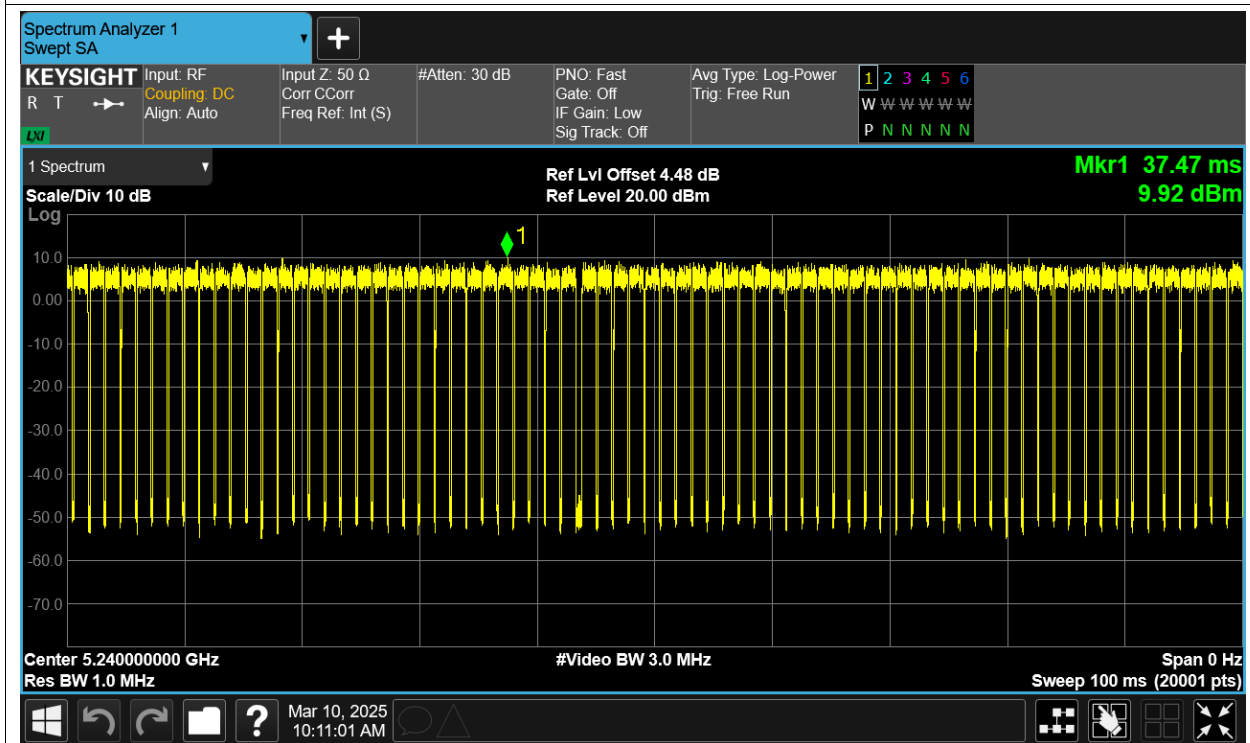
Duty Cycle NVNT ac20 5180MHz Ant1



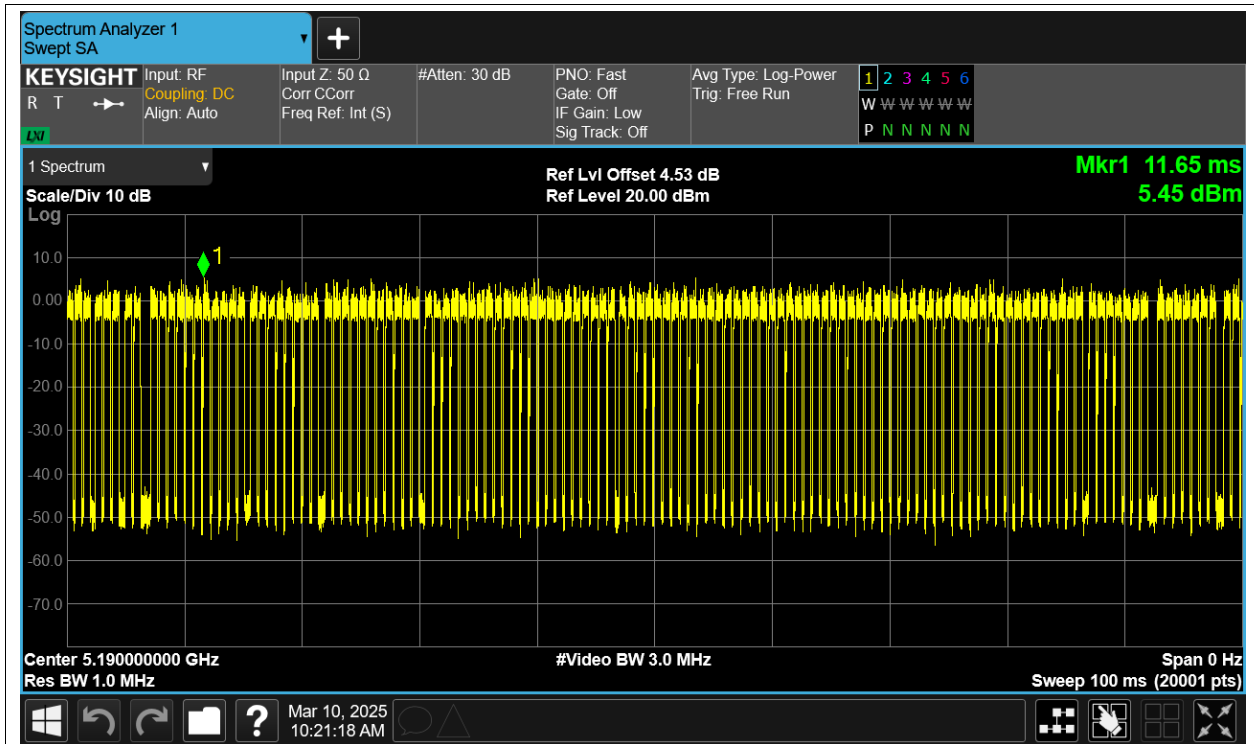
Duty Cycle NVNT ac20 5200MHz Ant1



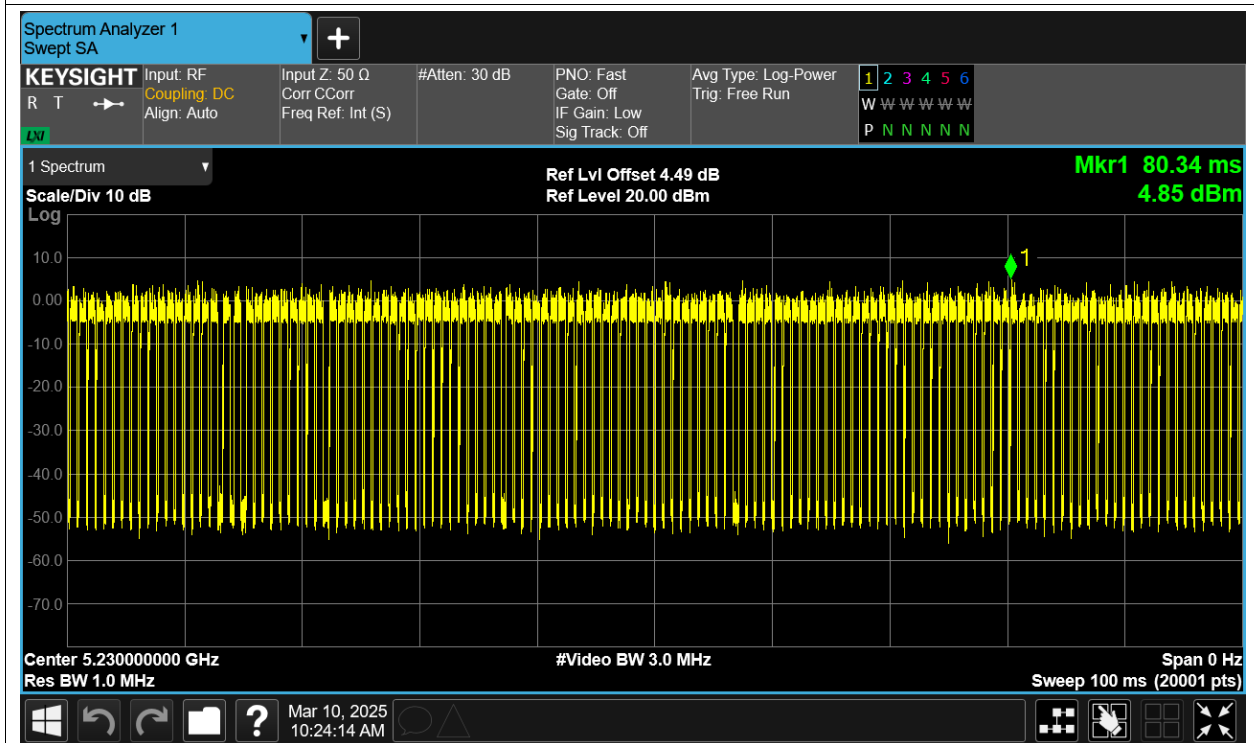
Duty Cycle NVNT ac20 5240MHz Ant1



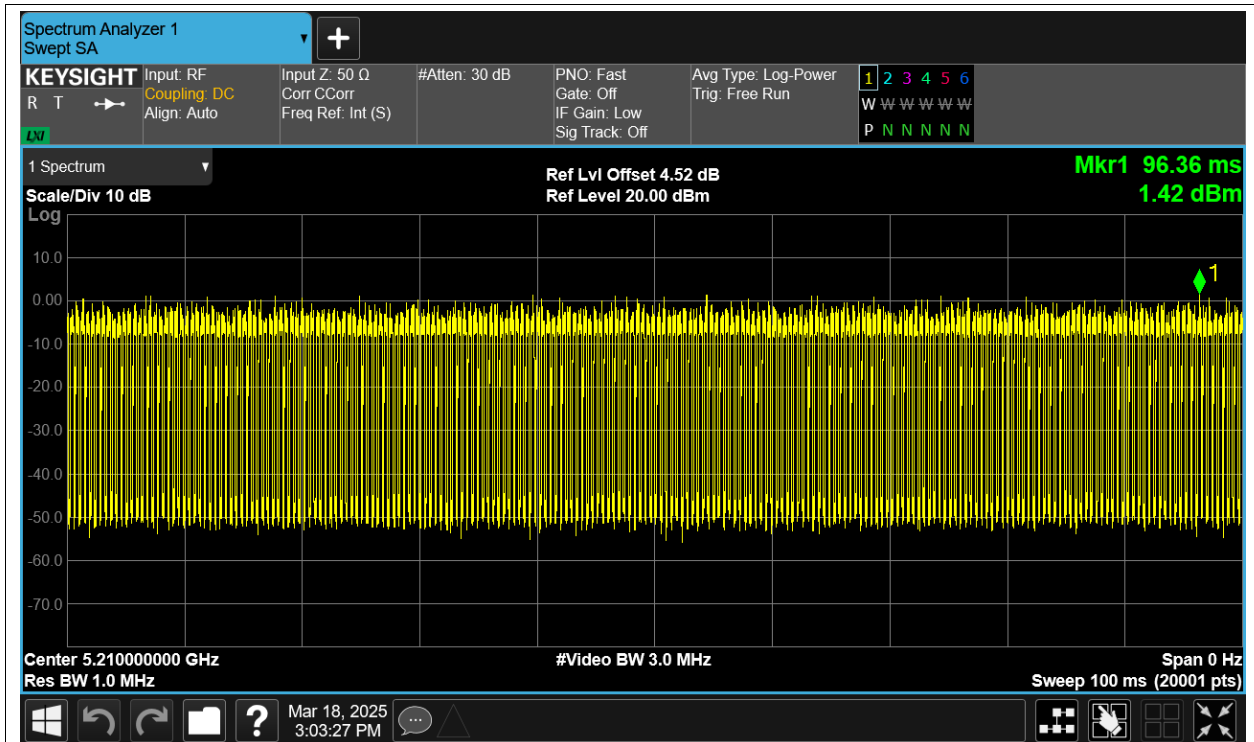
Duty Cycle NVNT ac40 5190MHz Ant1



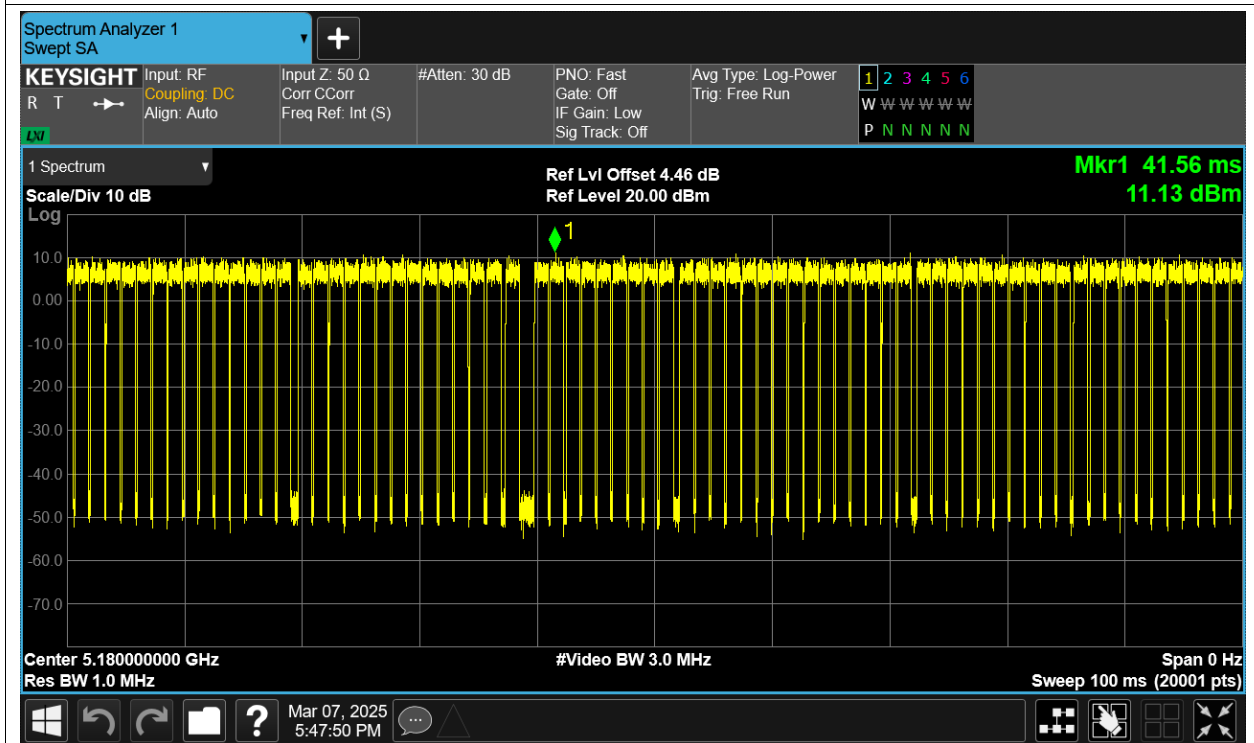
Duty Cycle NVNT ac40 5230MHz Ant1



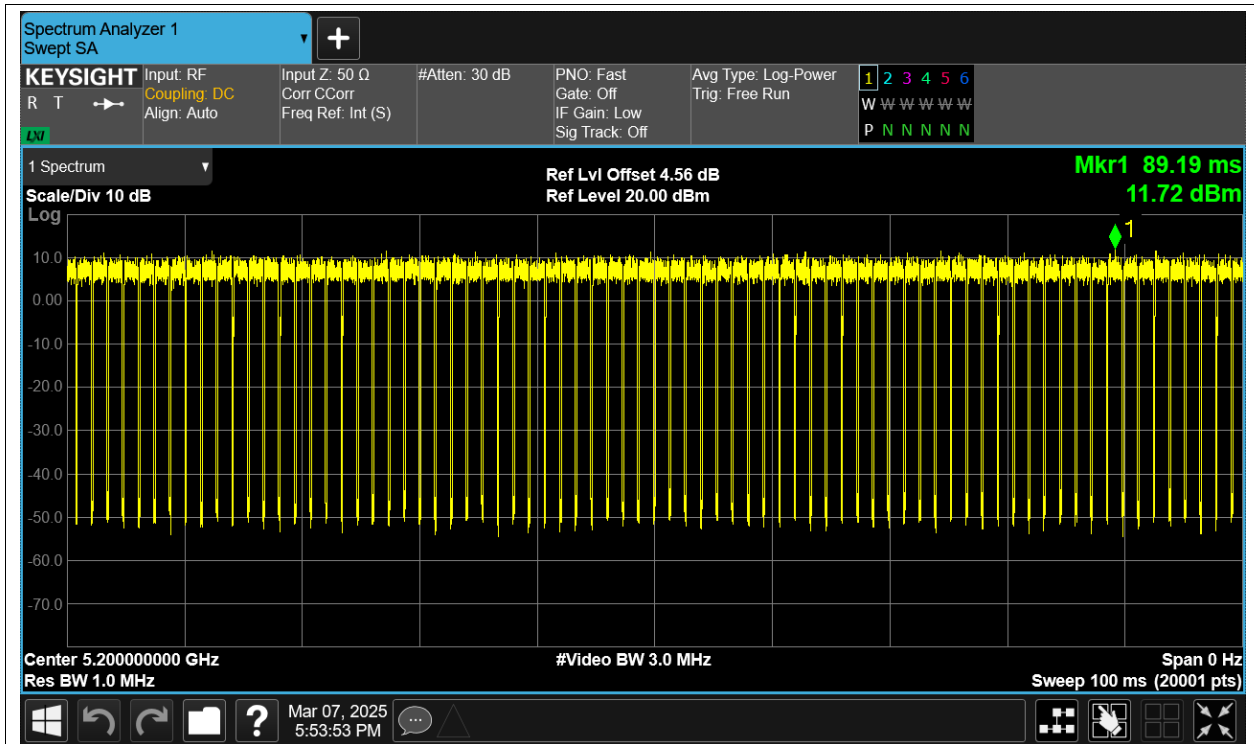
Duty Cycle NVNT ac80 5210MHz Ant1



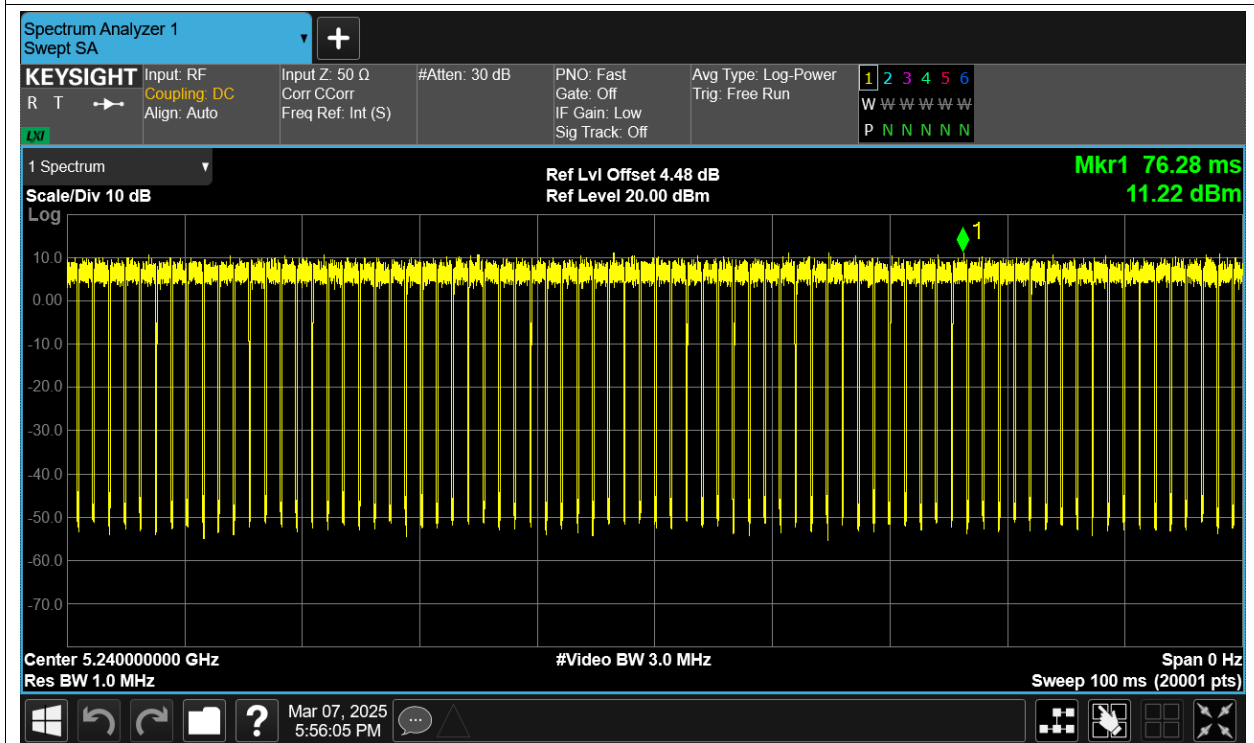
Duty Cycle NVNT n20 5180MHz Ant1



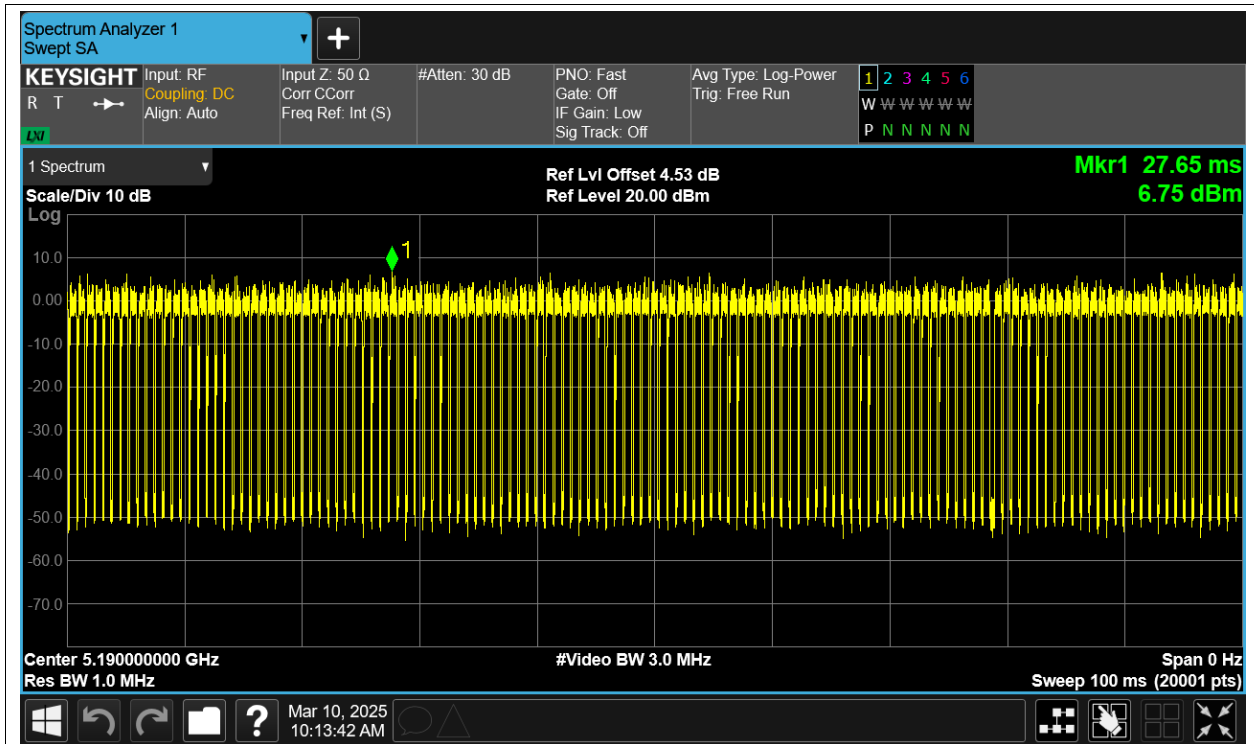
Duty Cycle NVNT n20 5200MHz Ant1



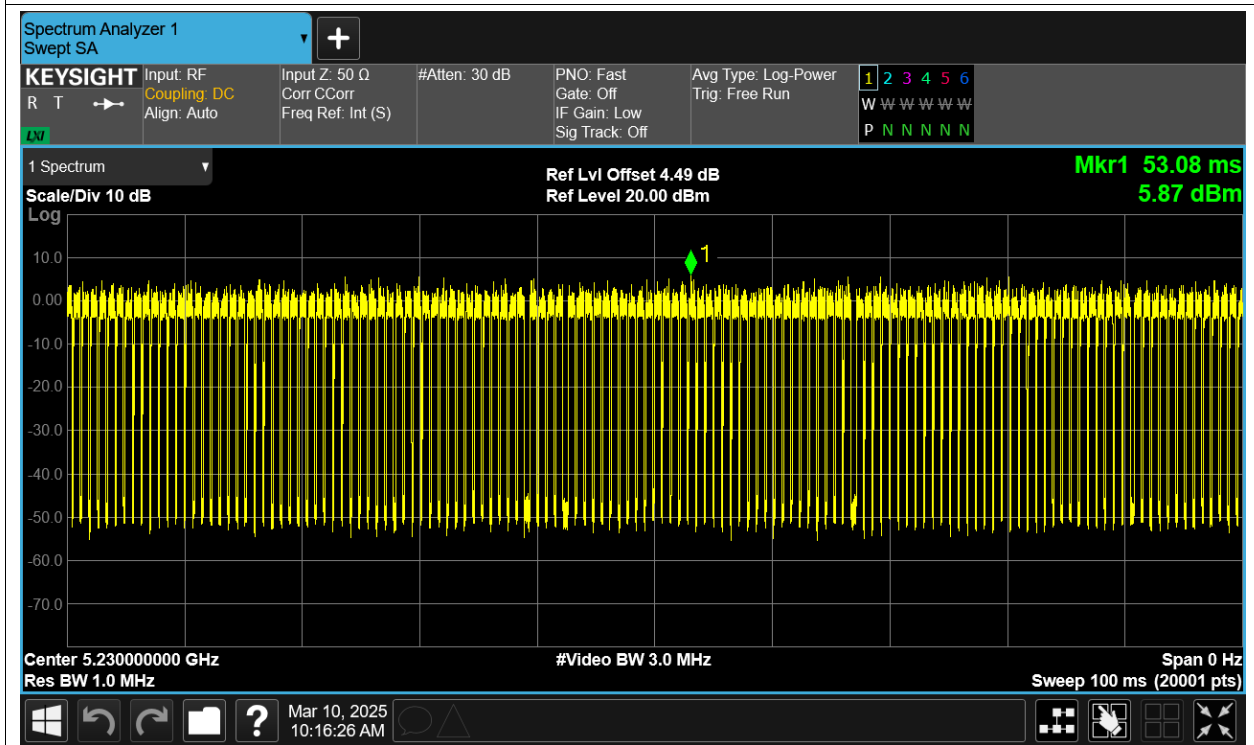
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1

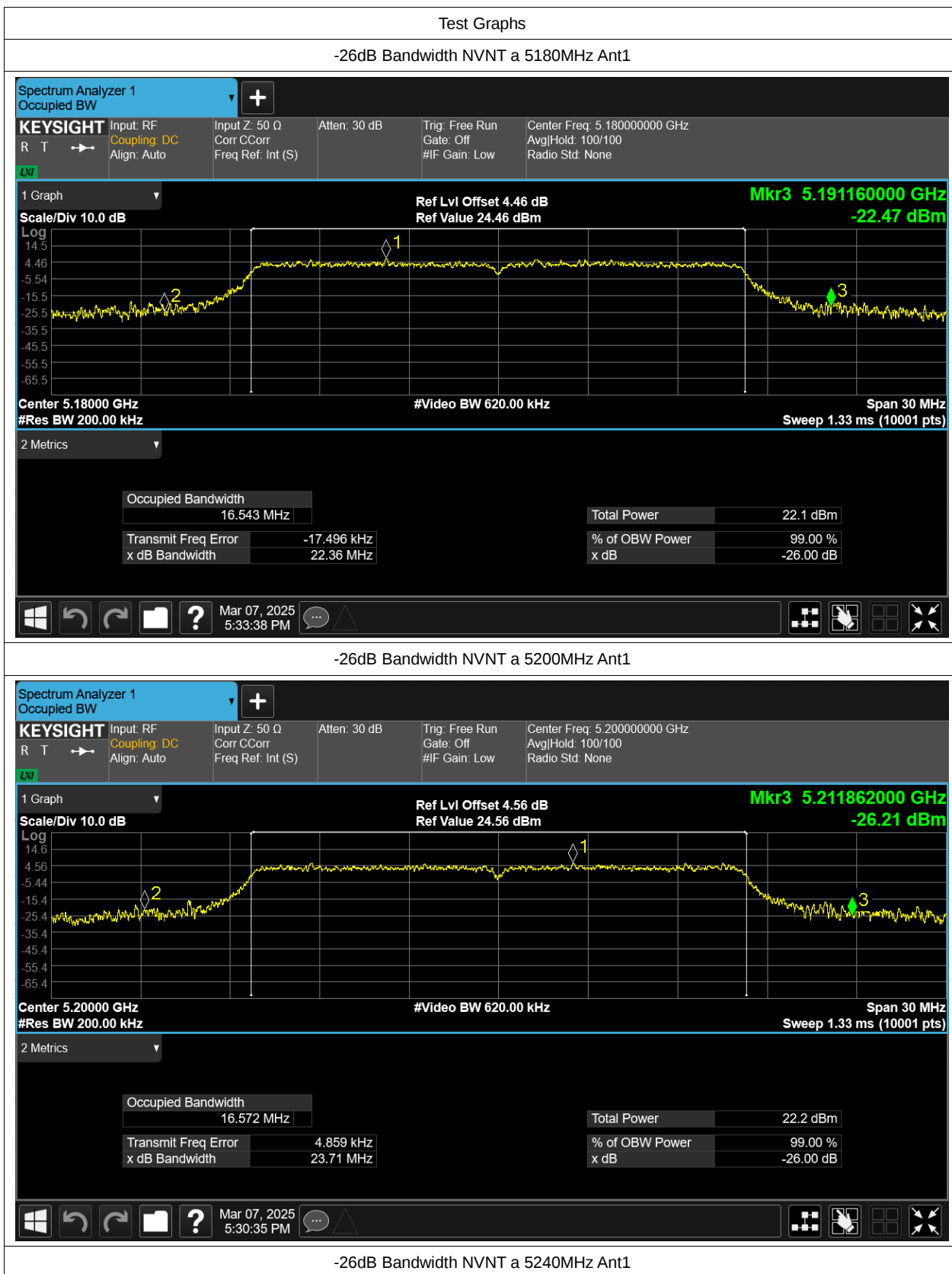


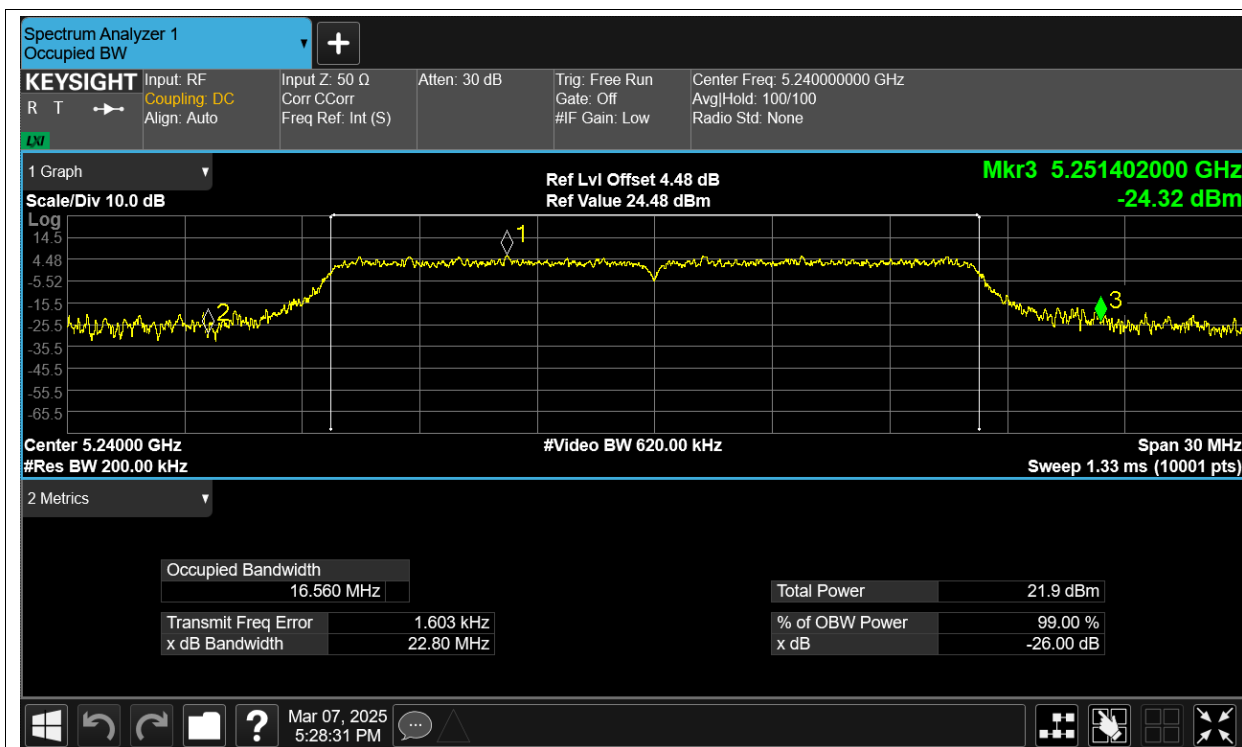
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	16.15	0.48	16.63	24	Pass
NVNT	a	5200	Ant1	16.29	0.49	16.78	24	Pass
NVNT	a	5240	Ant1	16.06	0.45	16.51	24	Pass
NVNT	ac20	5180	Ant1	14.38	0.53	14.91	24	Pass
NVNT	ac20	5200	Ant1	14.24	0.51	14.75	24	Pass
NVNT	ac20	5240	Ant1	13.91	0.52	14.43	24	Pass
NVNT	ac40	5190	Ant1	13.67	1.14	14.81	23	Pass
NVNT	ac40	5230	Ant1	13.6	1.05	14.65	24	Pass
NVNT	ac80	5210	Ant1	13.07	1.9	14.97	24	Pass
NVNT	n20	5180	Ant1	14.69	0.63	15.32	24	Pass
NVNT	n20	5200	Ant1	15.34	0.51	15.85	24	Pass
NVNT	n20	5240	Ant1	15.04	0.51	15.55	24	Pass
NVNT	n40	5190	Ant1	14.57	0.97	15.54	24	Pass
NVNT	n40	5230	Ant1	14.55	0.99	15.54	24	Pass

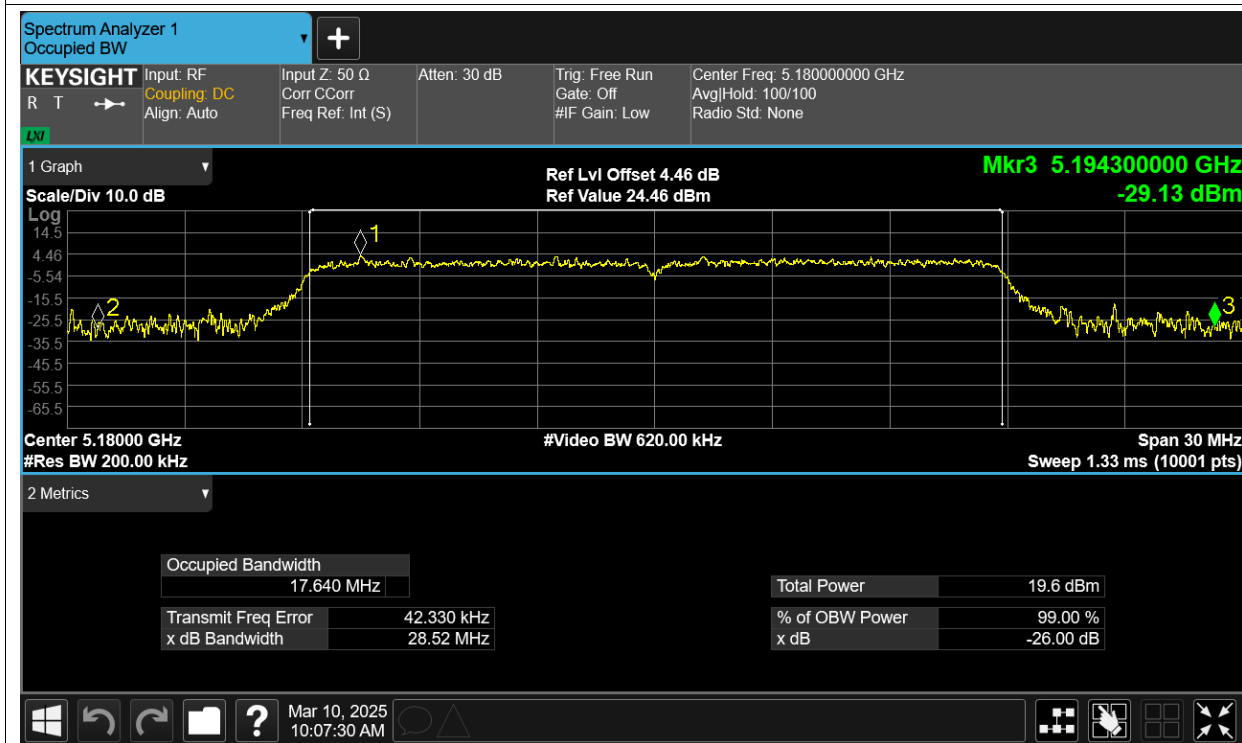
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	22.355
NVNT	a	5200	Ant1	23.715
NVNT	a	5240	Ant1	22.801
NVNT	ac20	5180	Ant1	28.516
NVNT	ac20	5200	Ant1	24.692
NVNT	ac20	5240	Ant1	23.011
NVNT	ac40	5190	Ant1	43.264
NVNT	ac40	5230	Ant1	52.755
NVNT	ac80	5210	Ant1	78.281
NVNT	n20	5180	Ant1	26.032
NVNT	n20	5200	Ant1	27.292
NVNT	n20	5240	Ant1	25.384
NVNT	n40	5190	Ant1	57.068
NVNT	n40	5230	Ant1	57.444

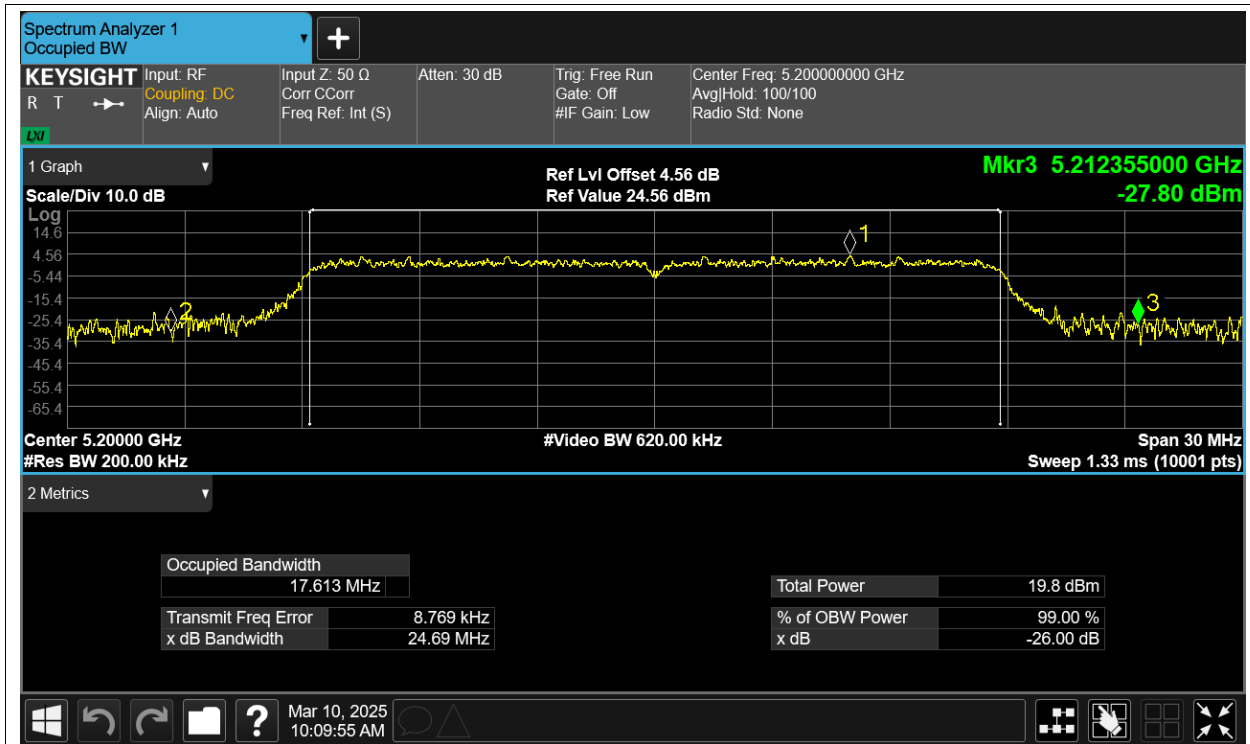




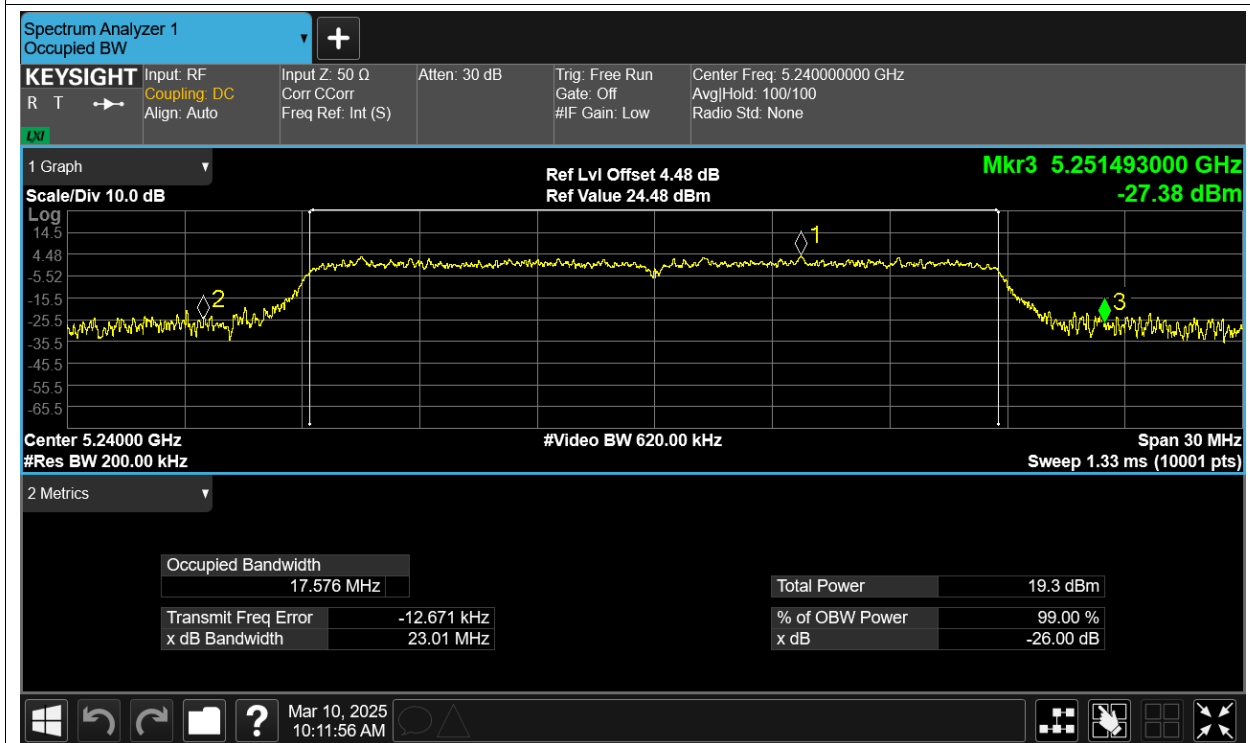
-26dB Bandwidth NVNT ac20 5180MHz Ant1



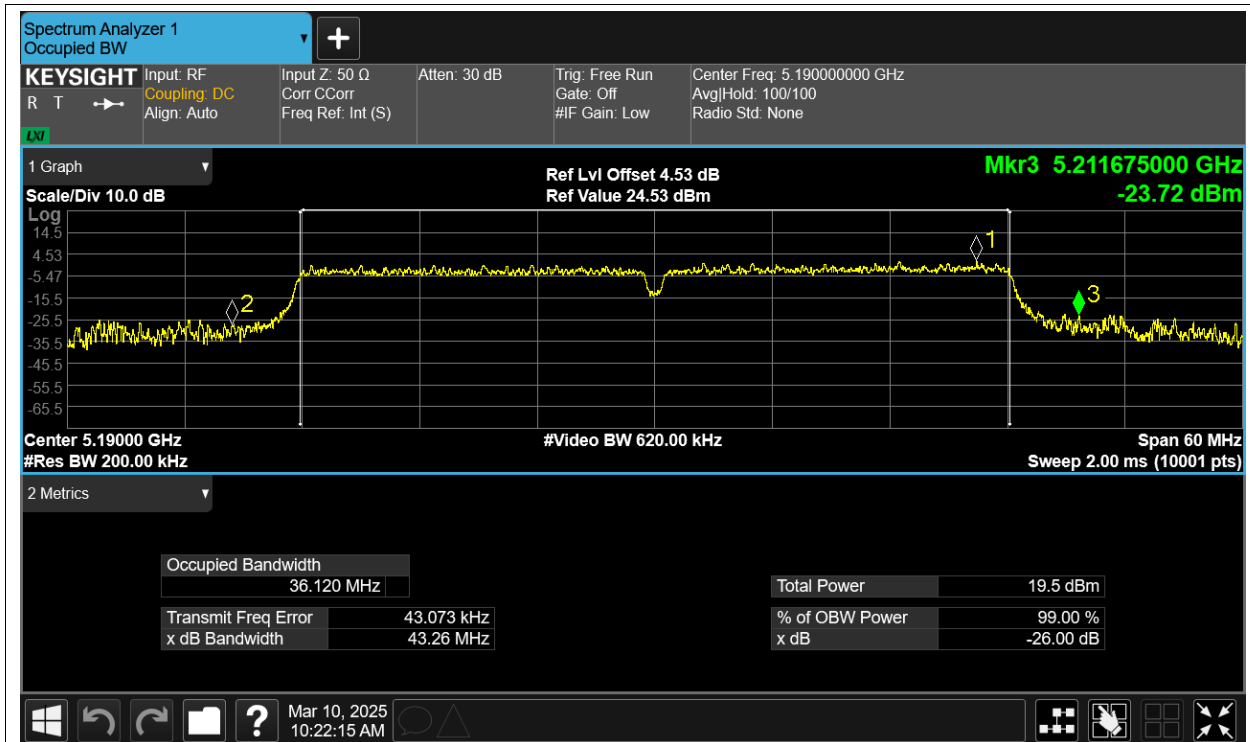
-26dB Bandwidth NVNT ac20 5200MHz Ant1



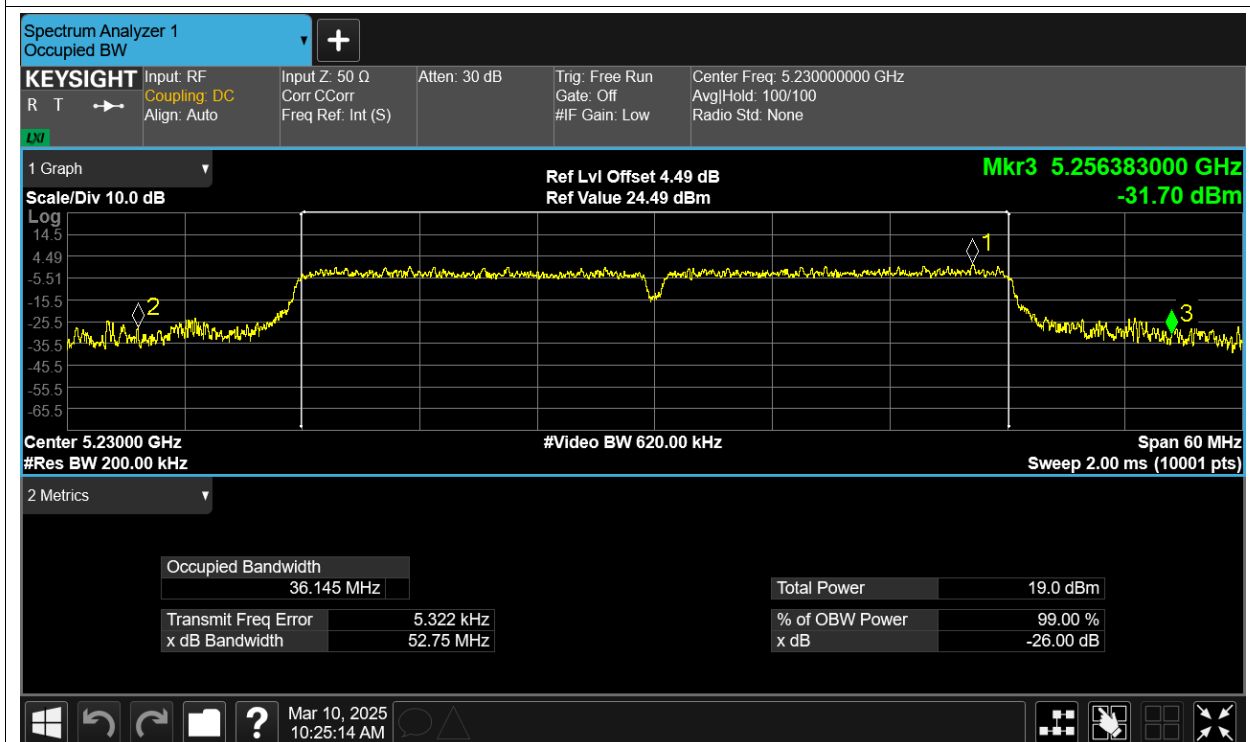
-26dB Bandwidth NVNT ac20 5240MHz Ant1



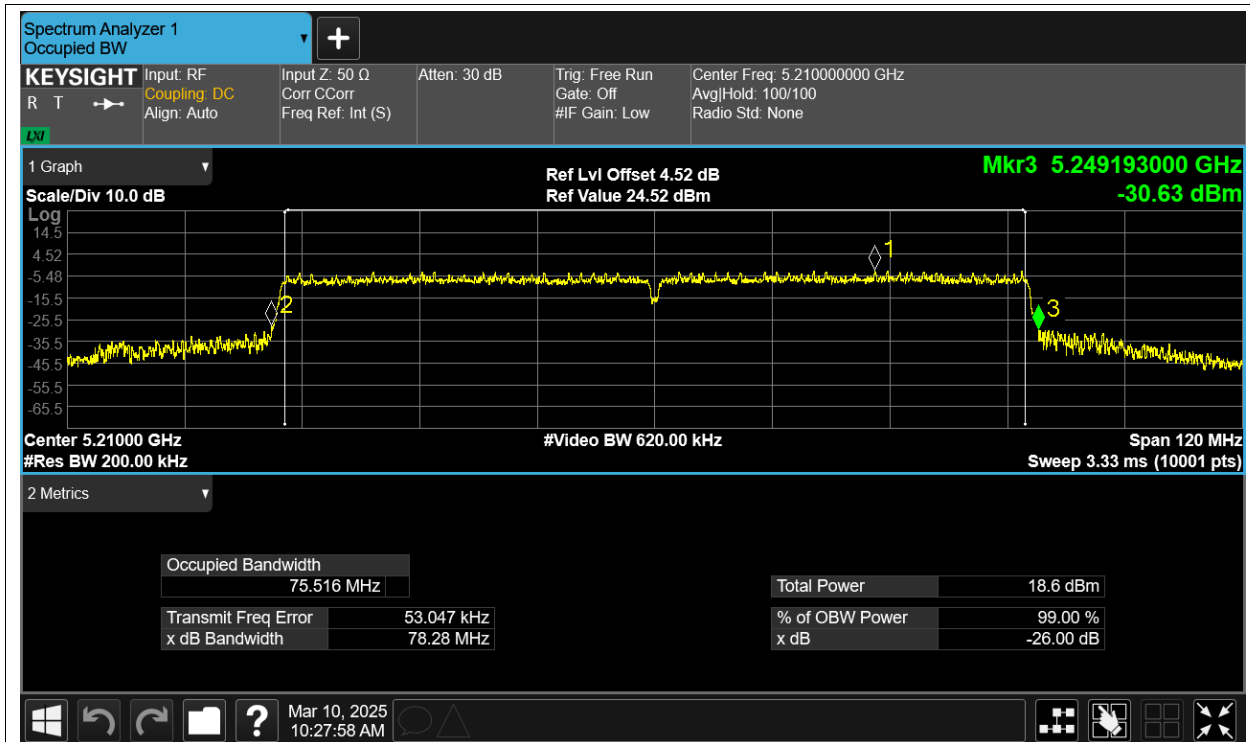
-26dB Bandwidth NVNT ac40 5190MHz Ant1



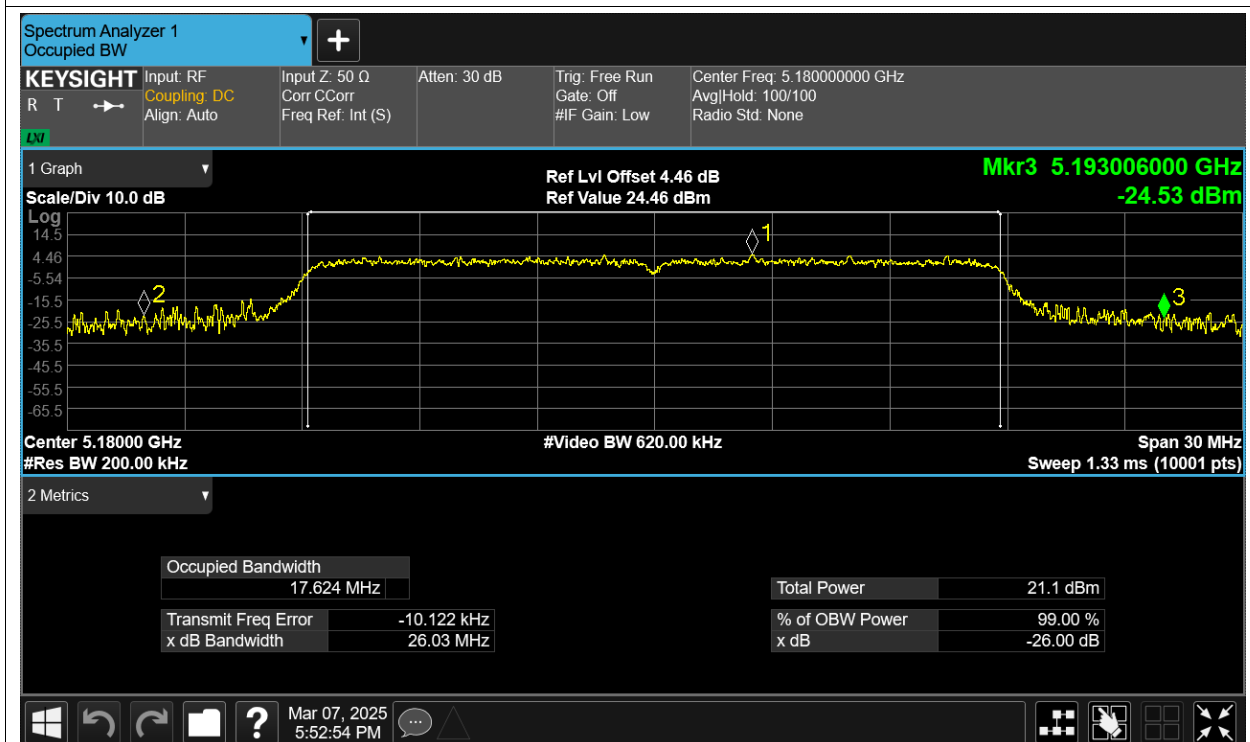
-26dB Bandwidth NVNT ac40 5230MHz Ant1



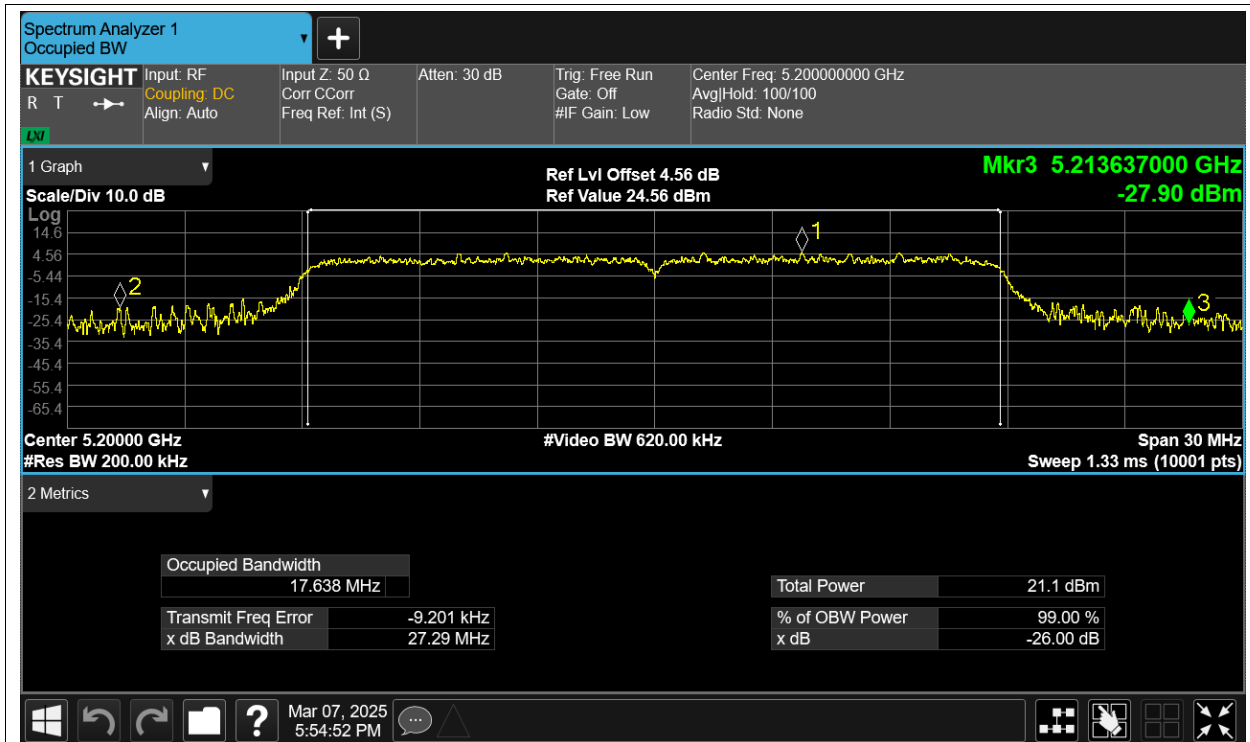
-26dB Bandwidth NVNT ac80 5210MHz Ant1



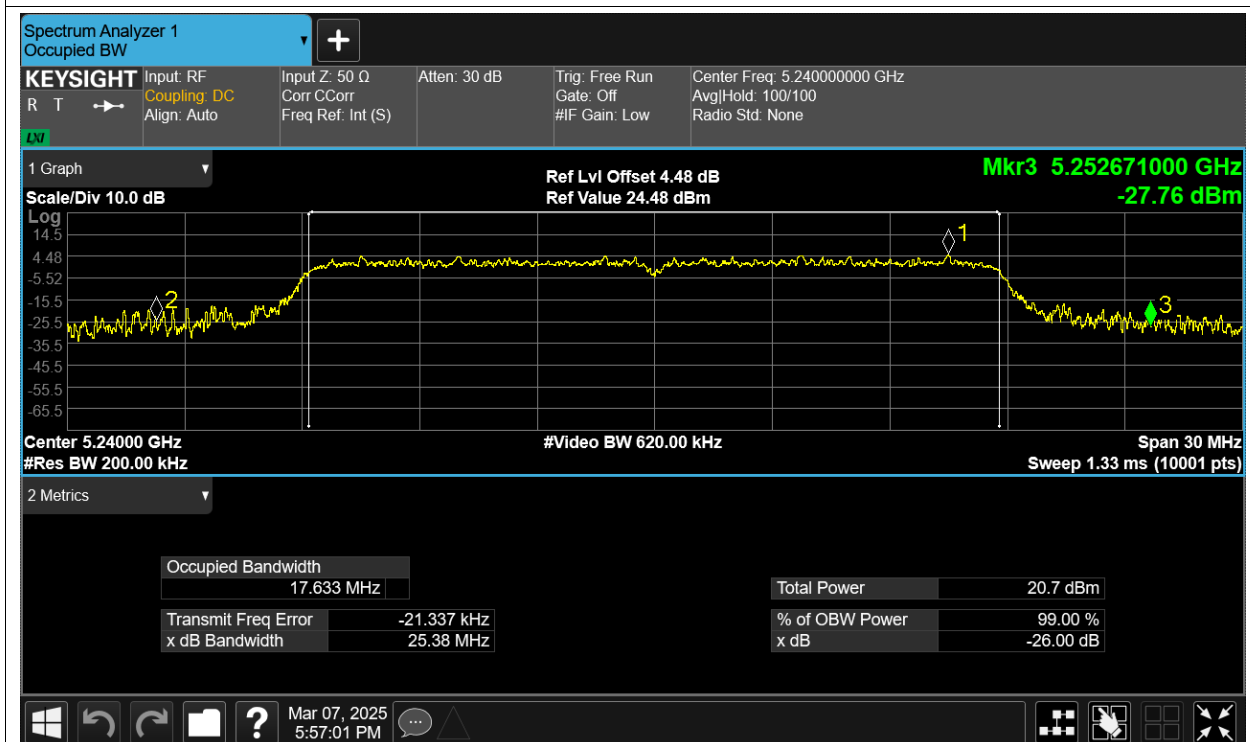
-26dB Bandwidth NVNT n20 5180MHz Ant1



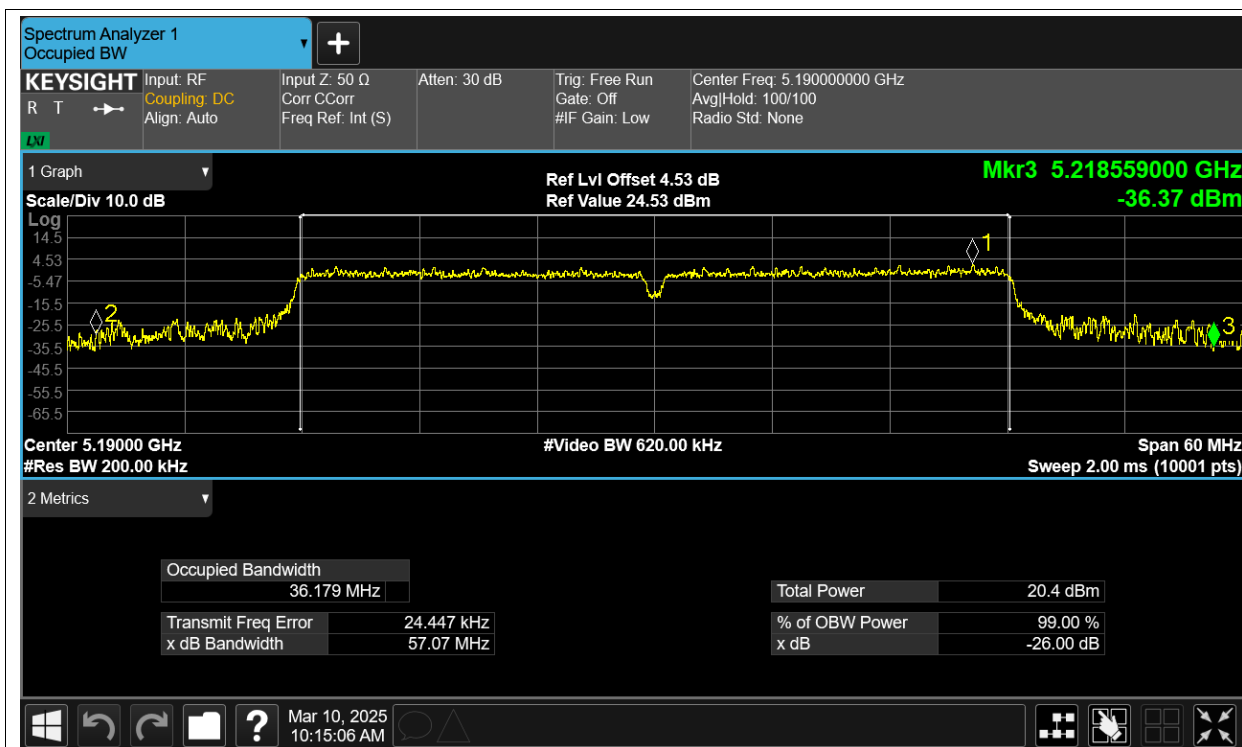
-26dB Bandwidth NVNT n20 5200MHz Ant1



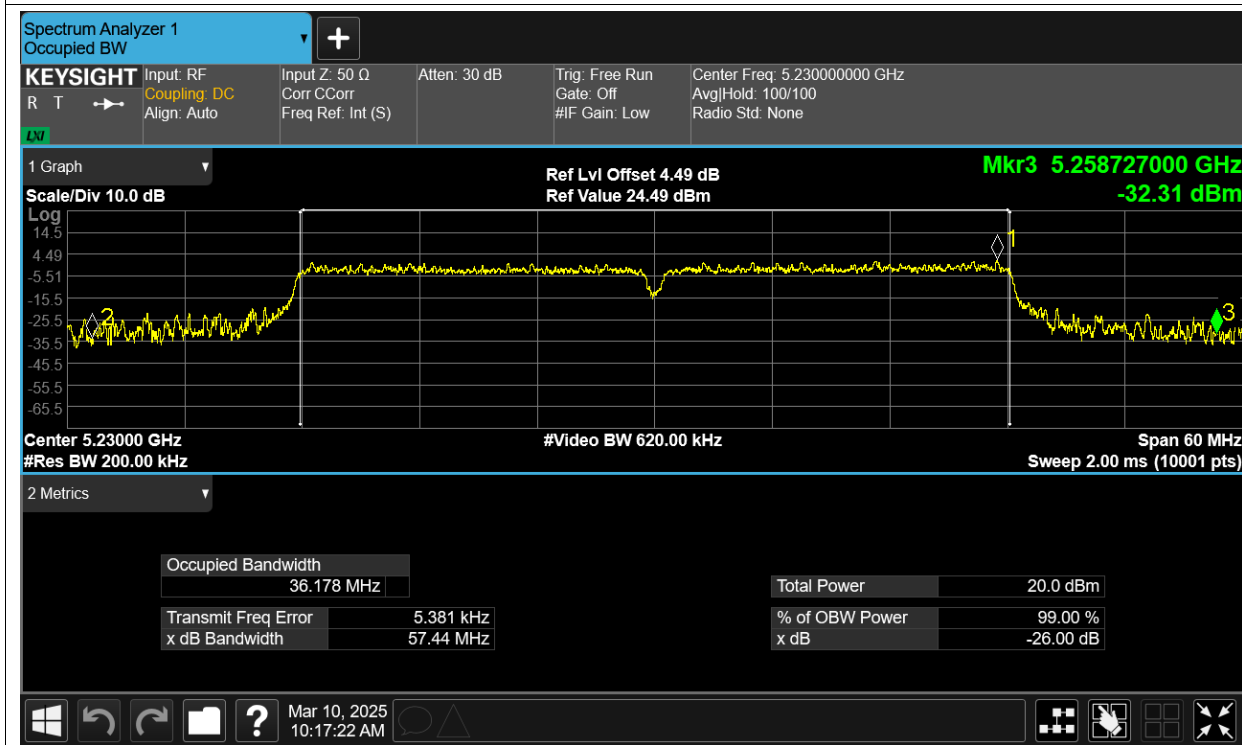
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



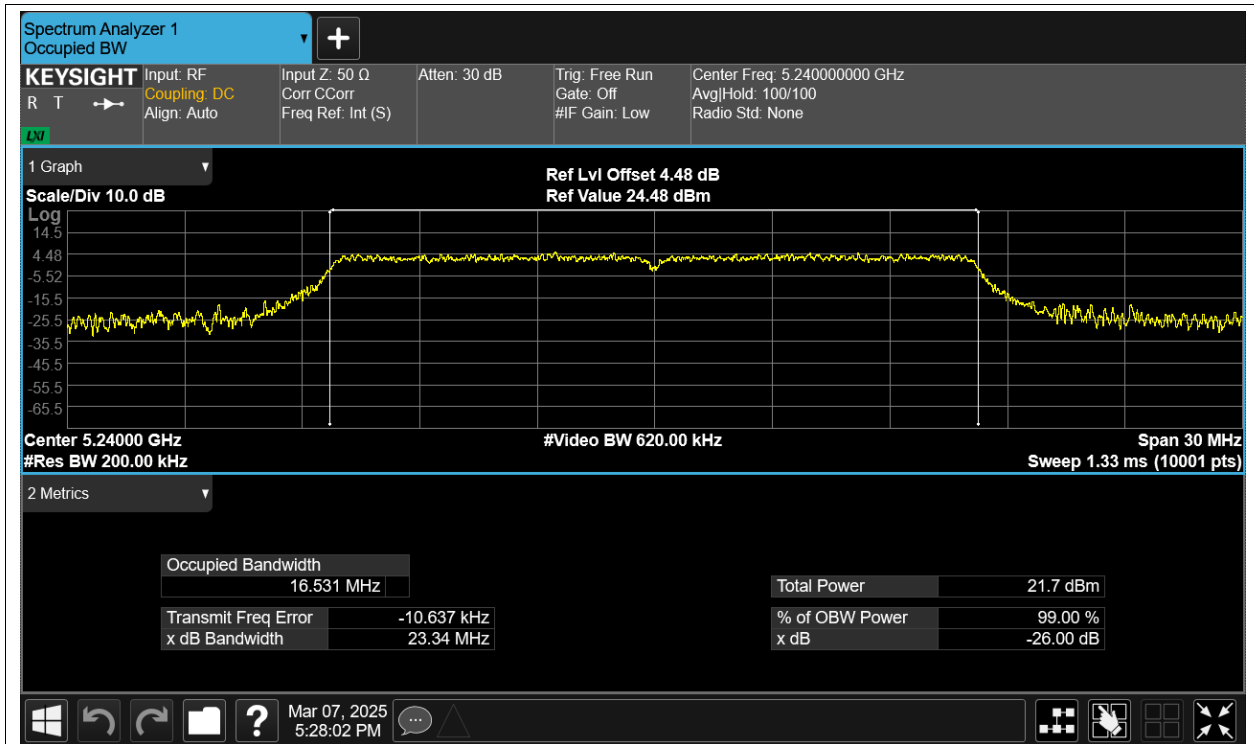
-26dB Bandwidth NVNT n40 5230MHz Ant1



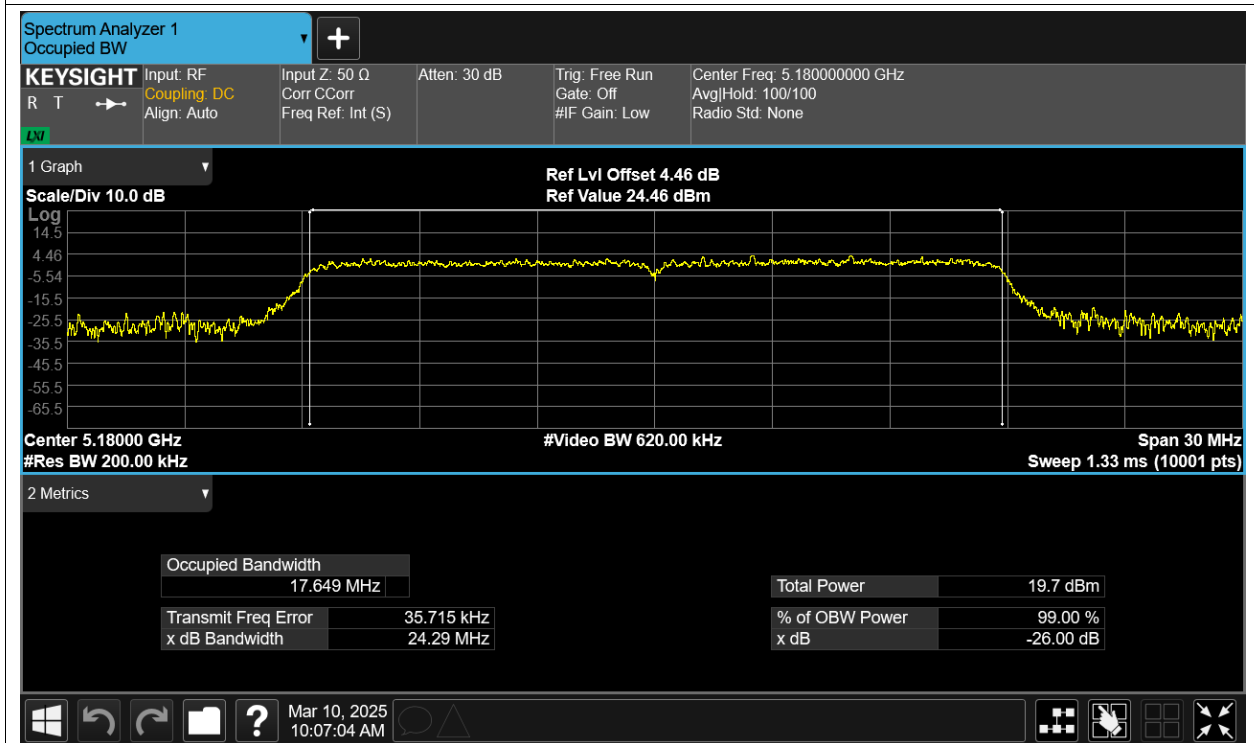
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.57
NVNT	a	5200	Ant1	16.553
NVNT	a	5240	Ant1	16.531
NVNT	ac20	5180	Ant1	17.649
NVNT	ac20	5200	Ant1	17.619
NVNT	ac20	5240	Ant1	17.615
NVNT	ac40	5190	Ant1	36.306
NVNT	ac40	5230	Ant1	36.346
NVNT	ac80	5210	Ant1	75.657
NVNT	n20	5180	Ant1	17.612
NVNT	n20	5200	Ant1	17.611
NVNT	n20	5240	Ant1	17.618
NVNT	n40	5190	Ant1	36.398
NVNT	n40	5230	Ant1	36.356

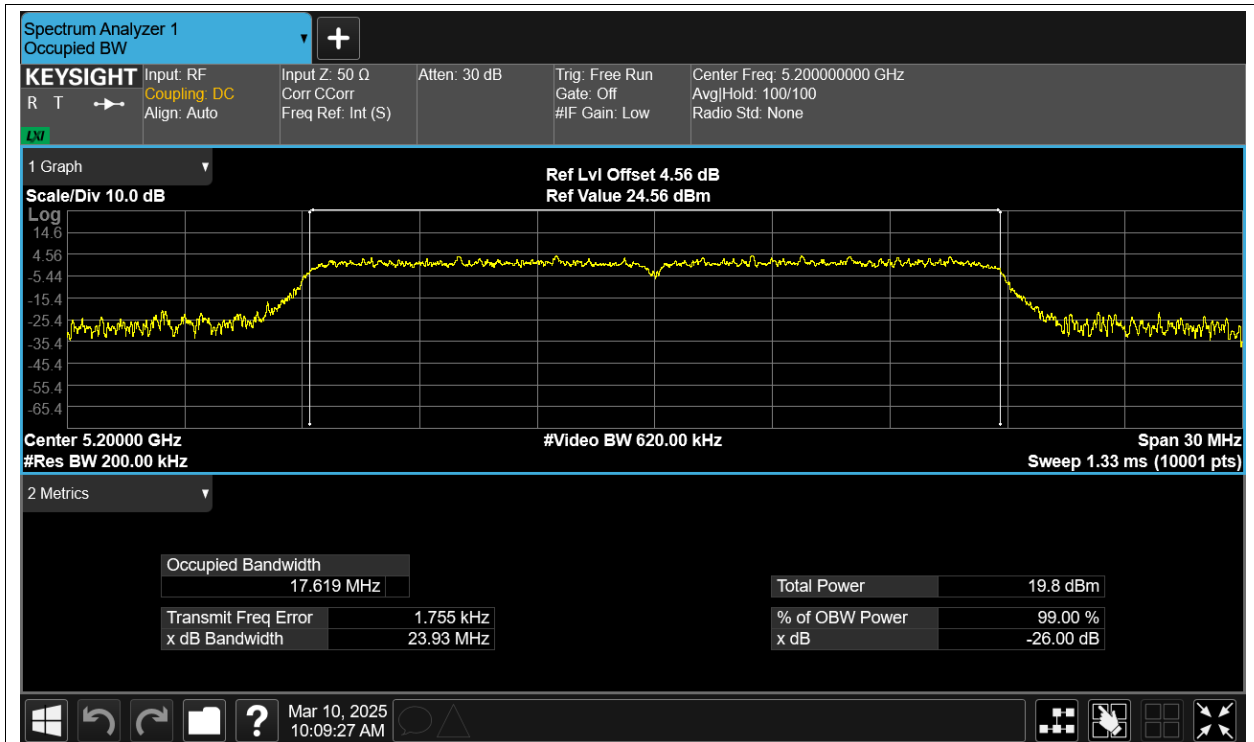




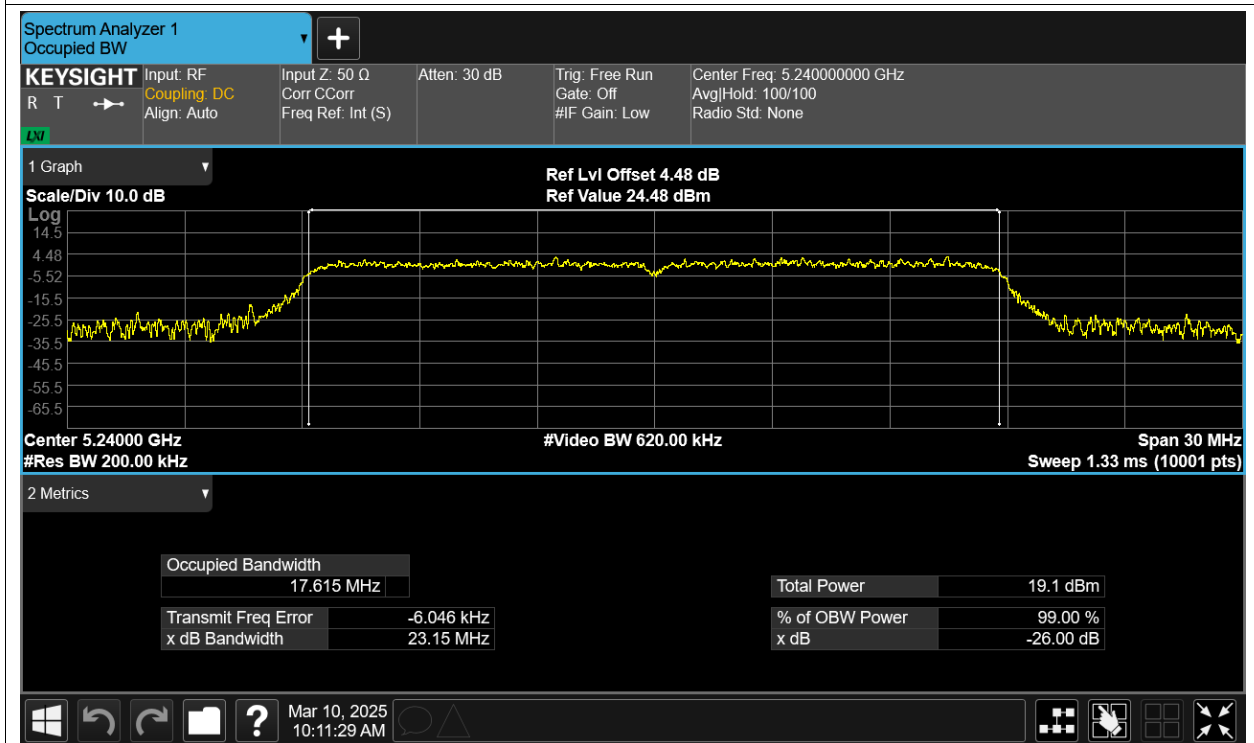
OBW NVNT ac20 5180MHz Ant1



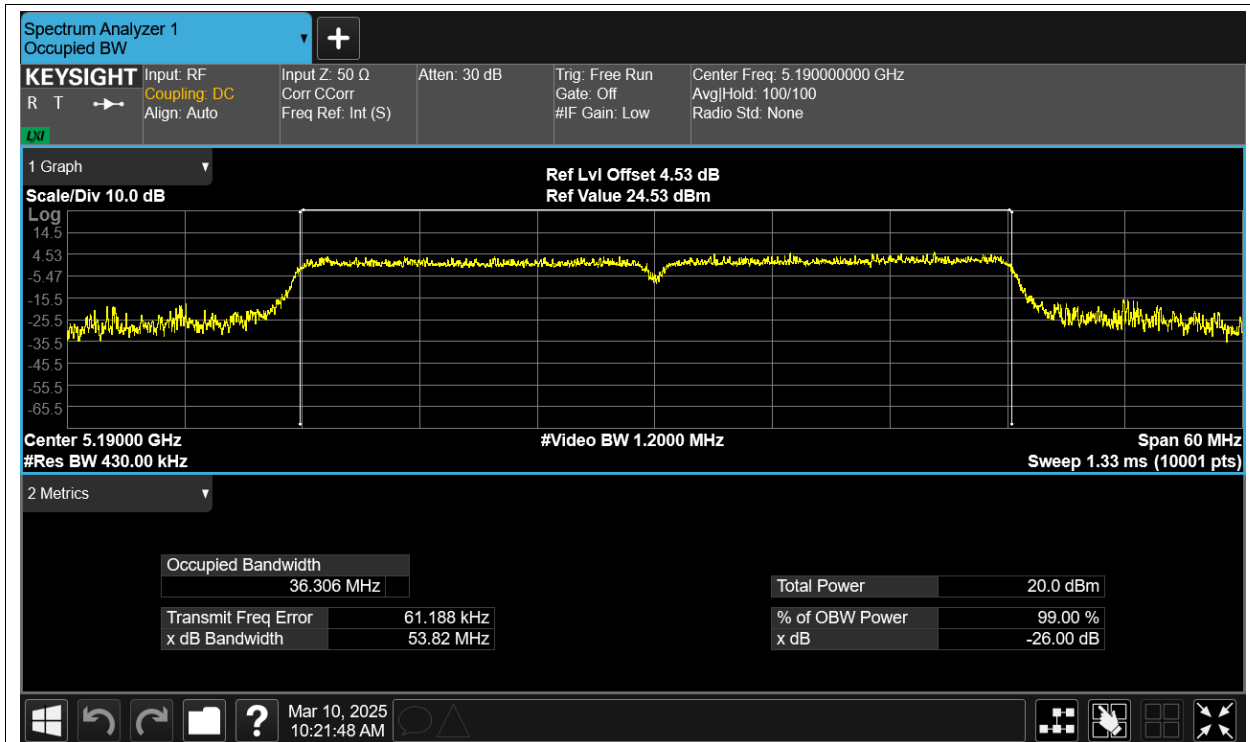
OBW NVNT ac20 5200MHz Ant1



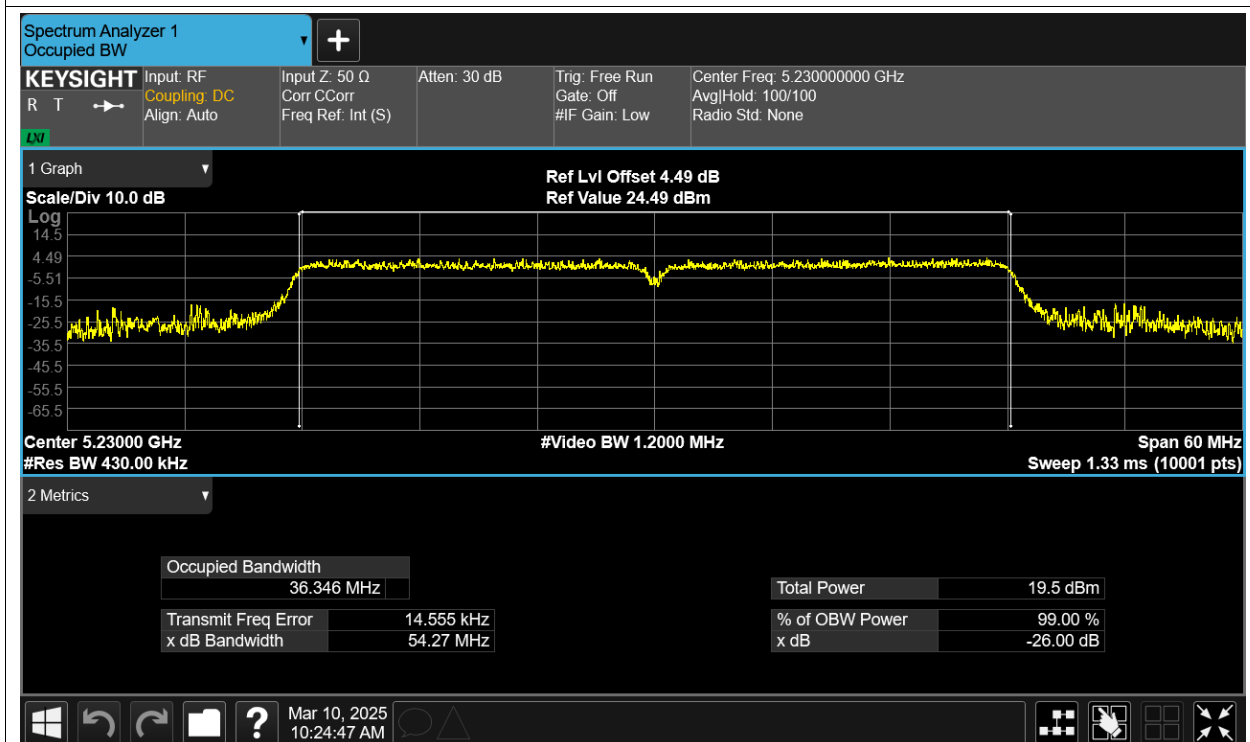
OBW NVNT ac20 5240MHz Ant1



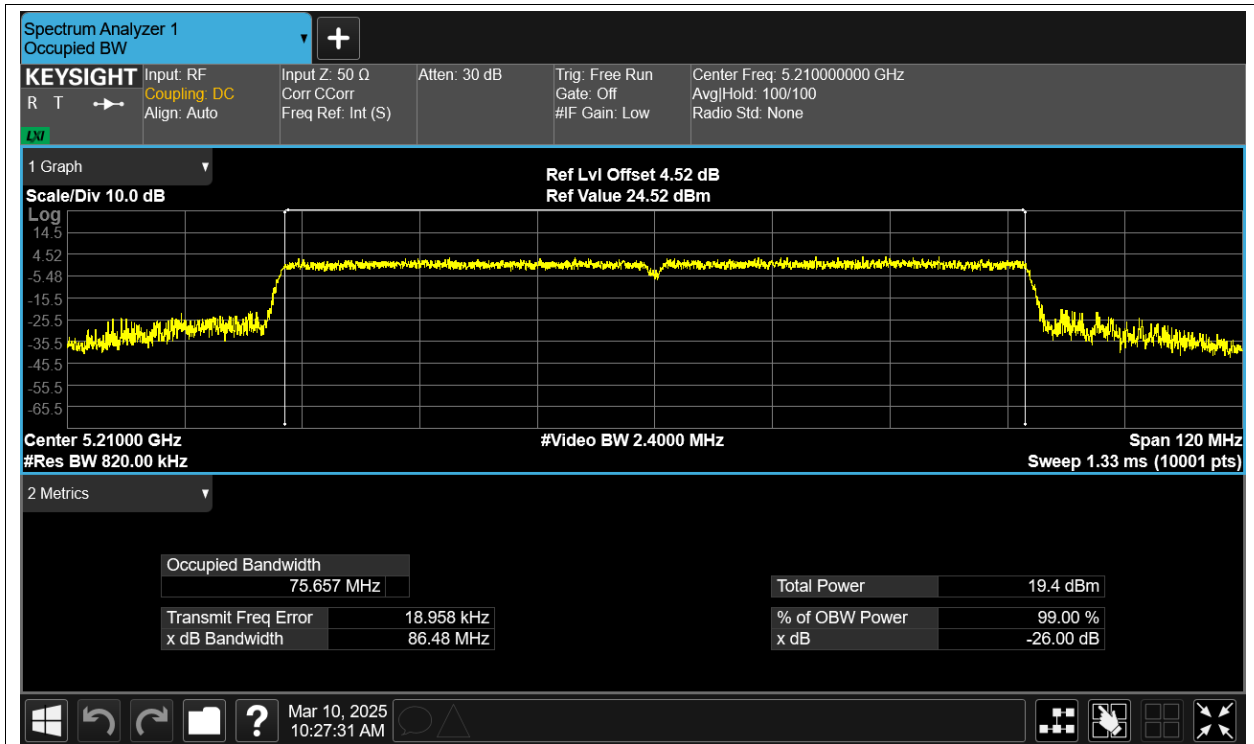
OBW NVNT ac40 5190MHz Ant1



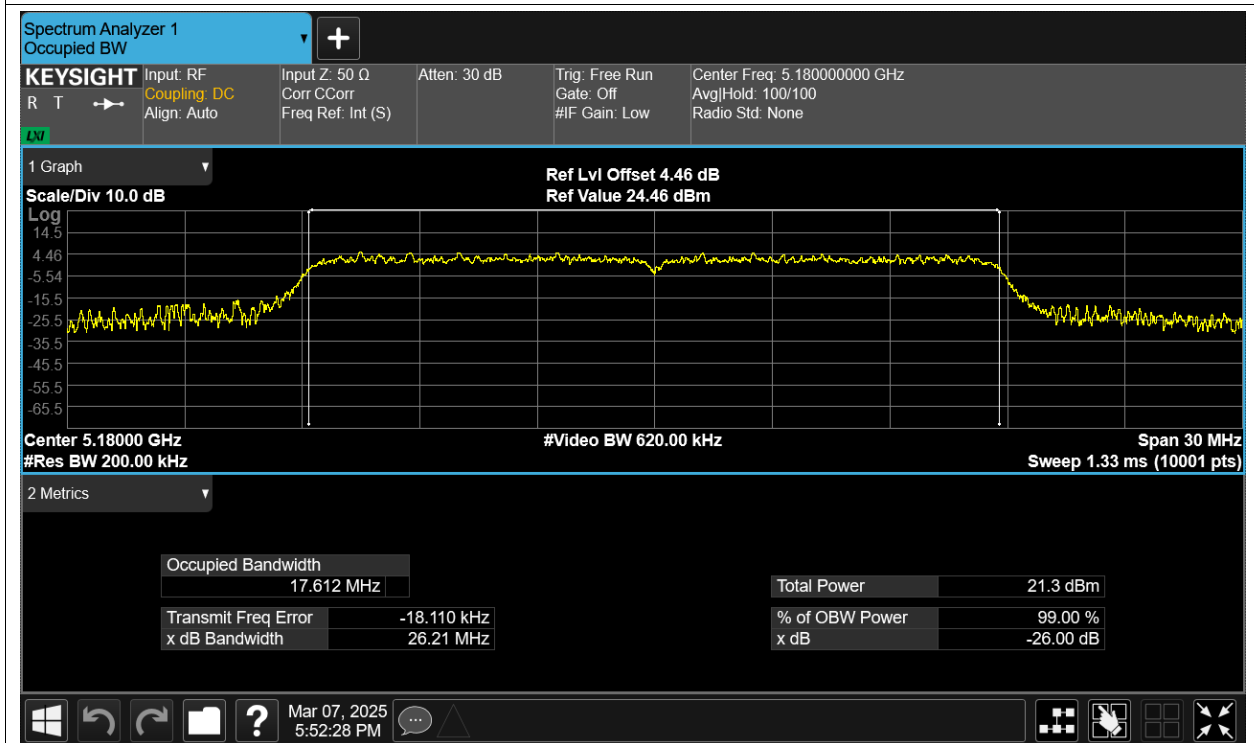
OBW NVNT ac40 5230MHz Ant1



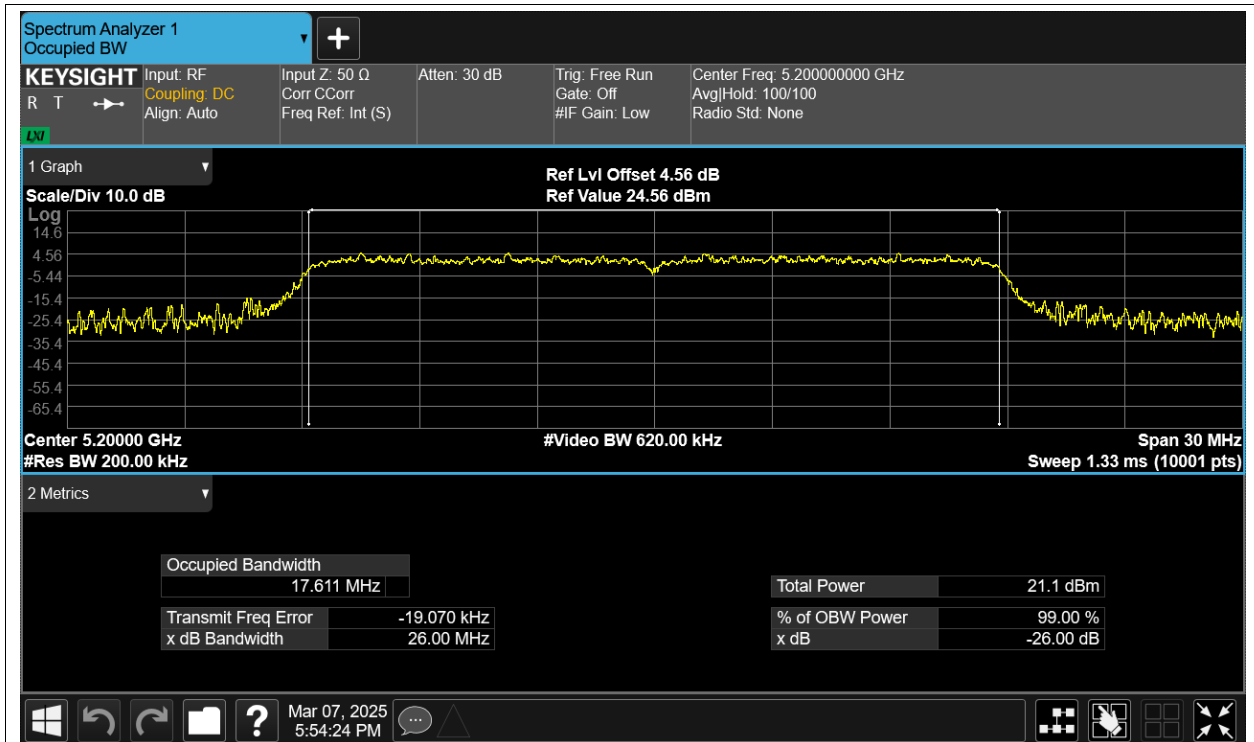
OBW NVNT ac80 5210MHz Ant1



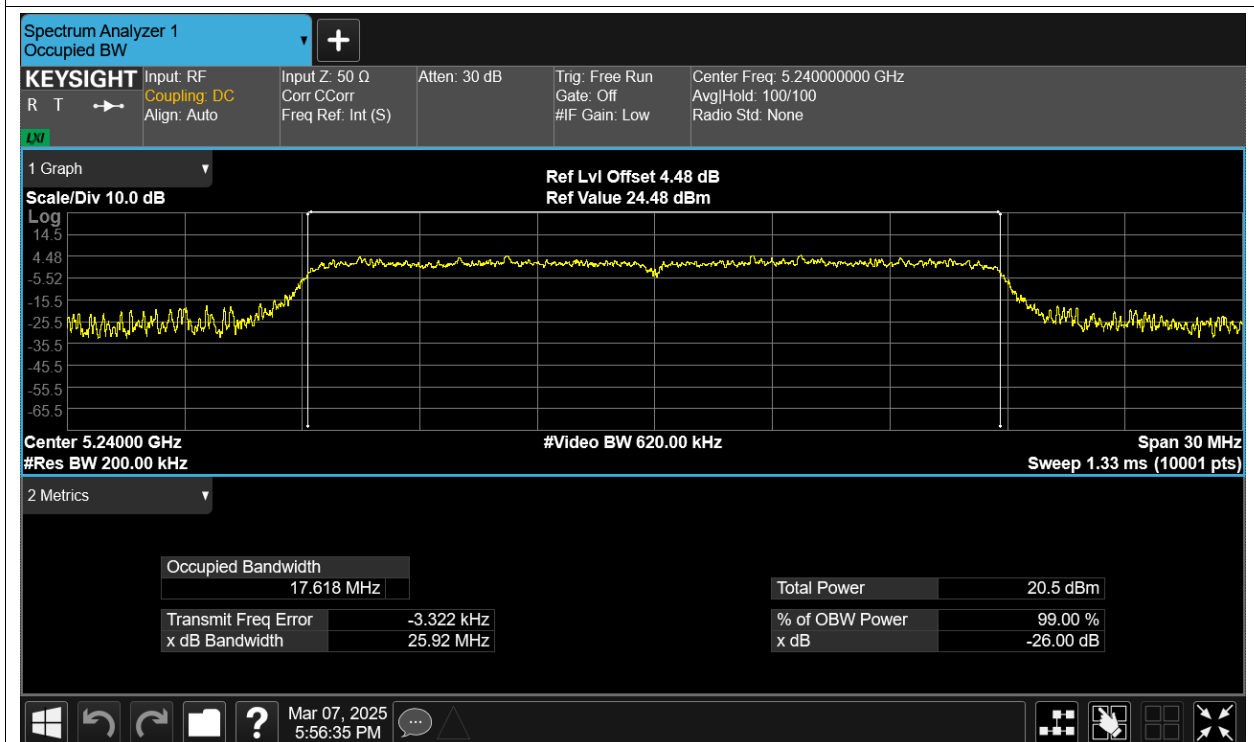
OBW NVNT n20 5180MHz Ant1



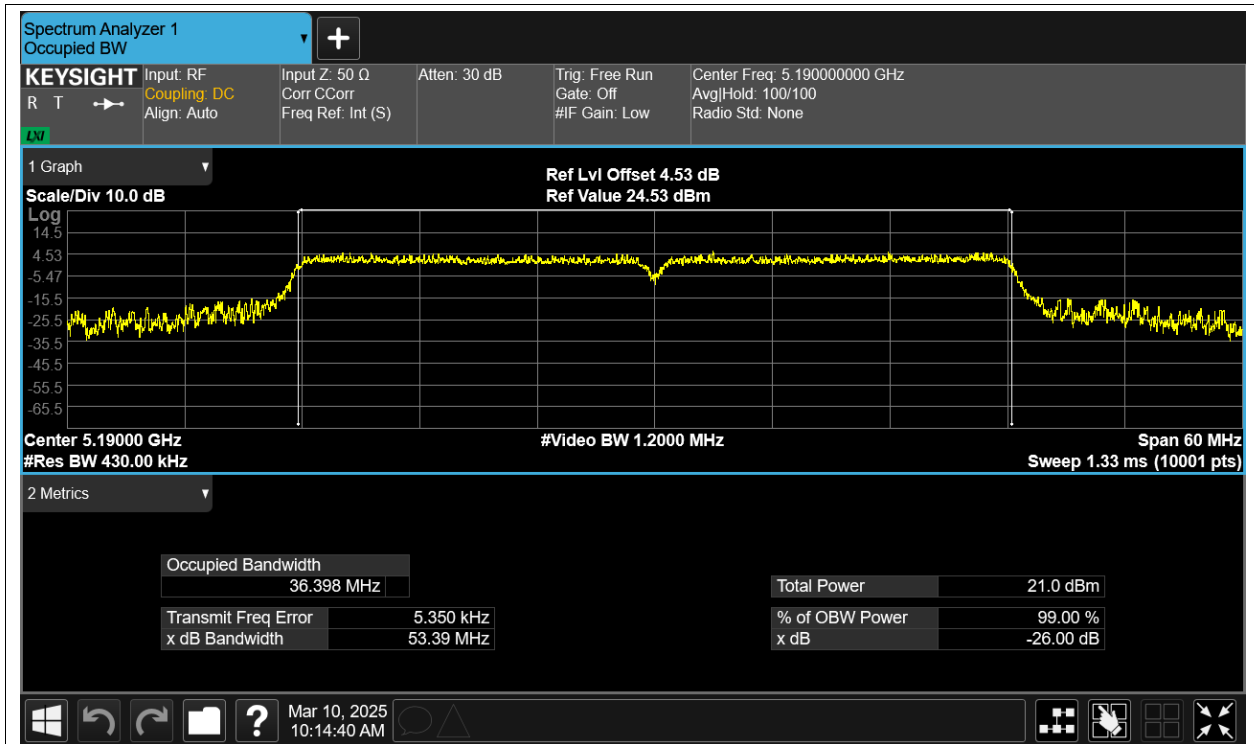
OBW NVNT n20 5200MHz Ant1



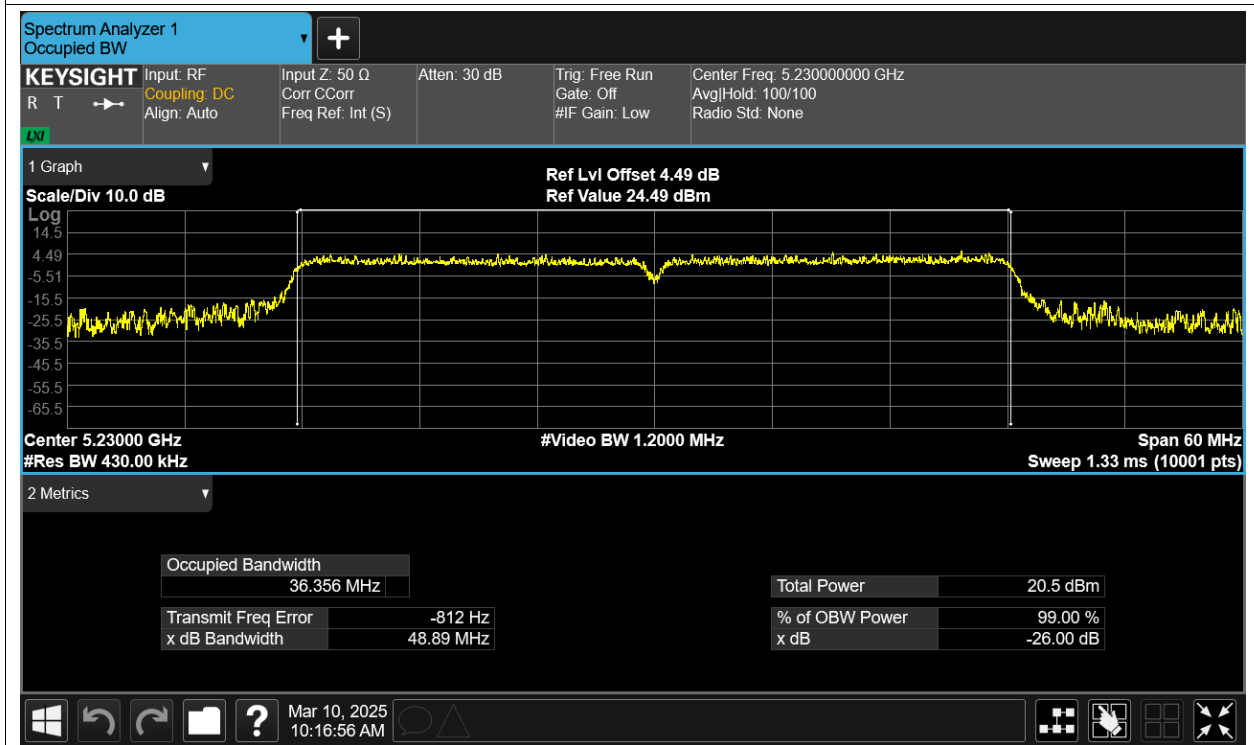
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

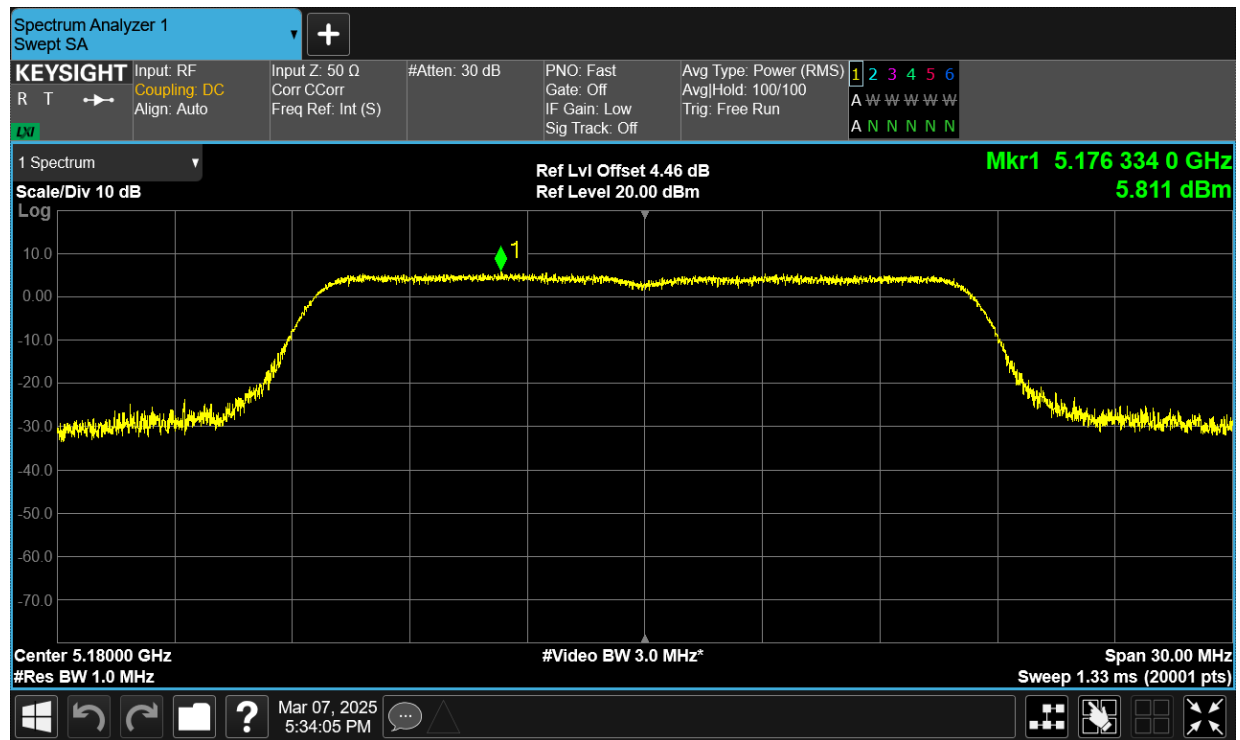


Maximum Power Spectral Density Level

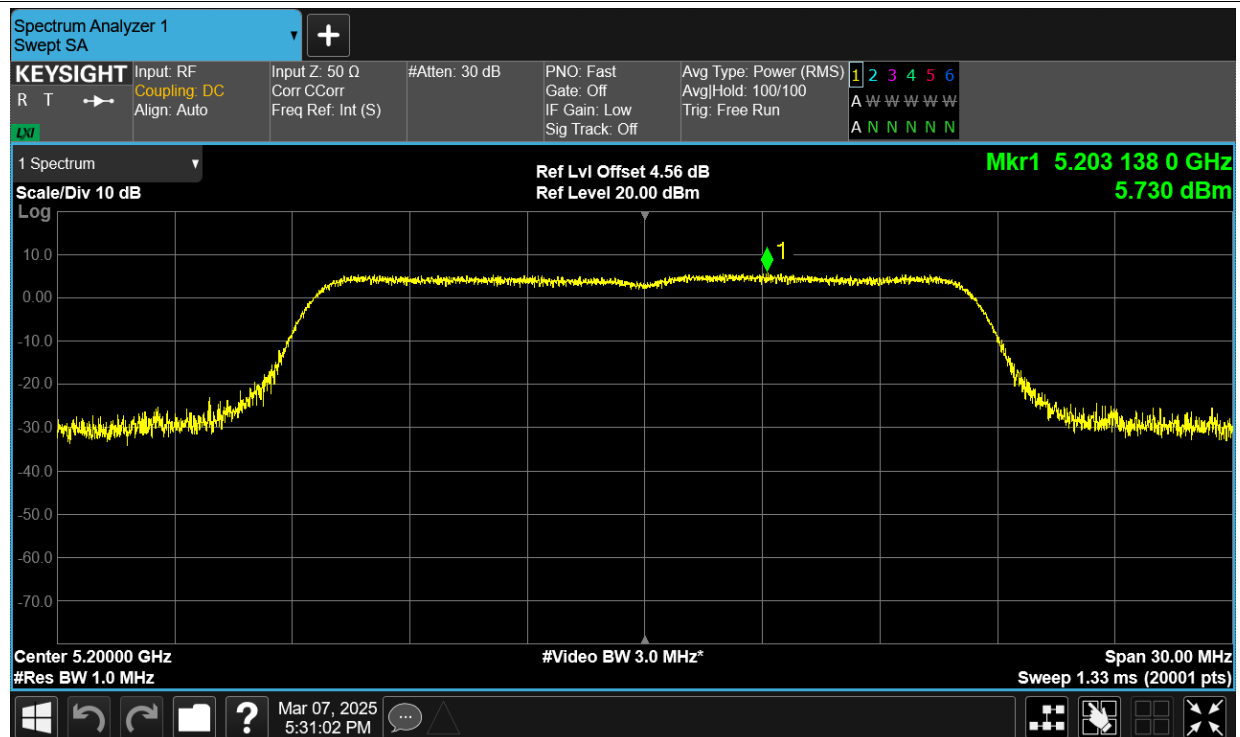
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	5.811	11	Pass
NVNT	a	5200	Ant1	5.73	11	Pass
NVNT	a	5240	Ant1	5.155	11	Pass
NVNT	ac20	5180	Ant1	2.978	11	Pass
NVNT	ac20	5200	Ant1	2.945	11	Pass
NVNT	ac20	5240	Ant1	2.406	11	Pass
NVNT	ac40	5190	Ant1	0.283	11	Pass
NVNT	ac40	5230	Ant1	-0.397	11	Pass
NVNT	ac80	5210	Ant1	-5.498	11	Pass
NVNT	n20	5180	Ant1	4.501	11	Pass
NVNT	n20	5200	Ant1	4.849	11	Pass
NVNT	n20	5240	Ant1	4.024	11	Pass
NVNT	n40	5190	Ant1	1.15	11	Pass
NVNT	n40	5230	Ant1	0.395	11	Pass

Test Graphs

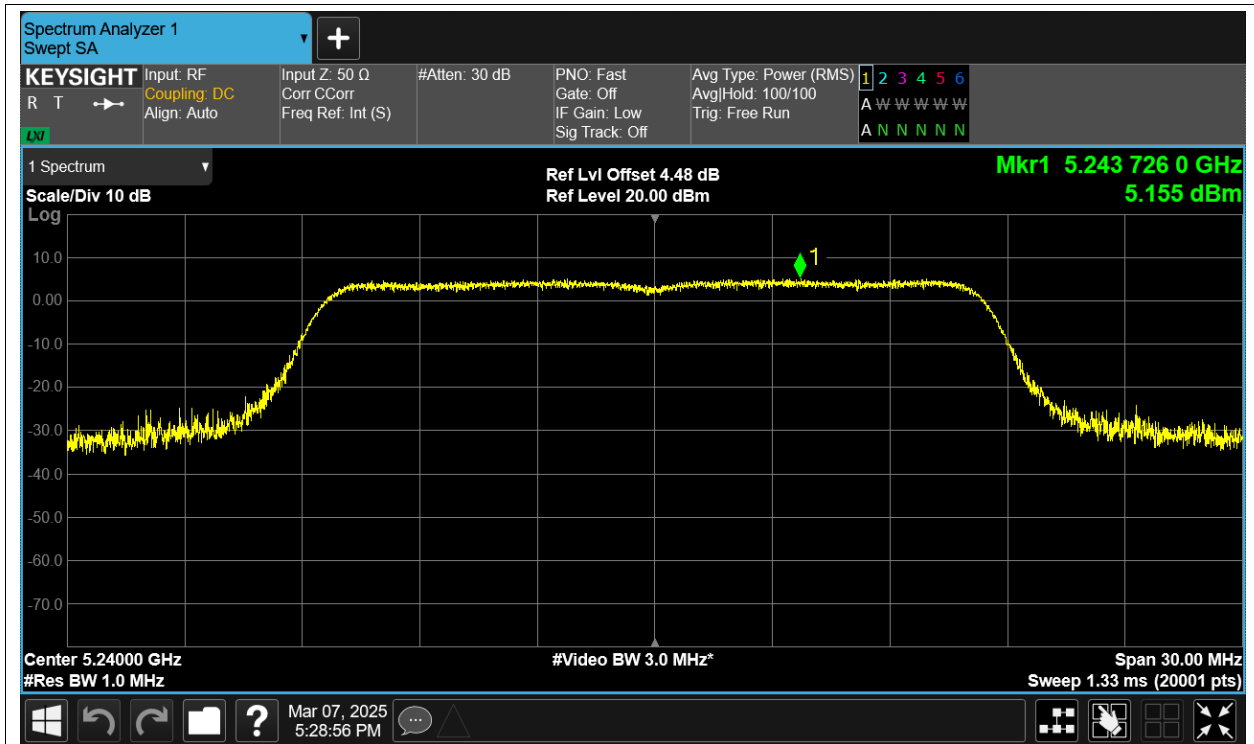
PSD NVNT a 5180MHz Ant1



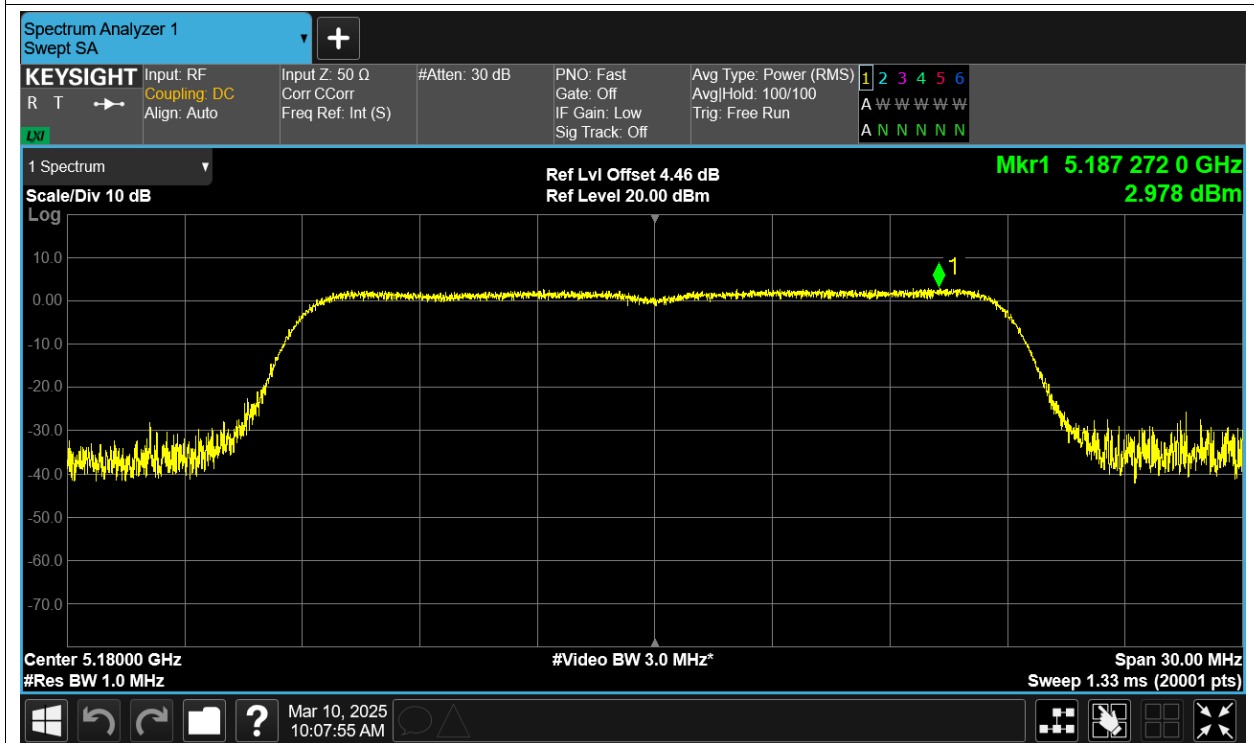
PSD NVNT a 5200MHz Ant1



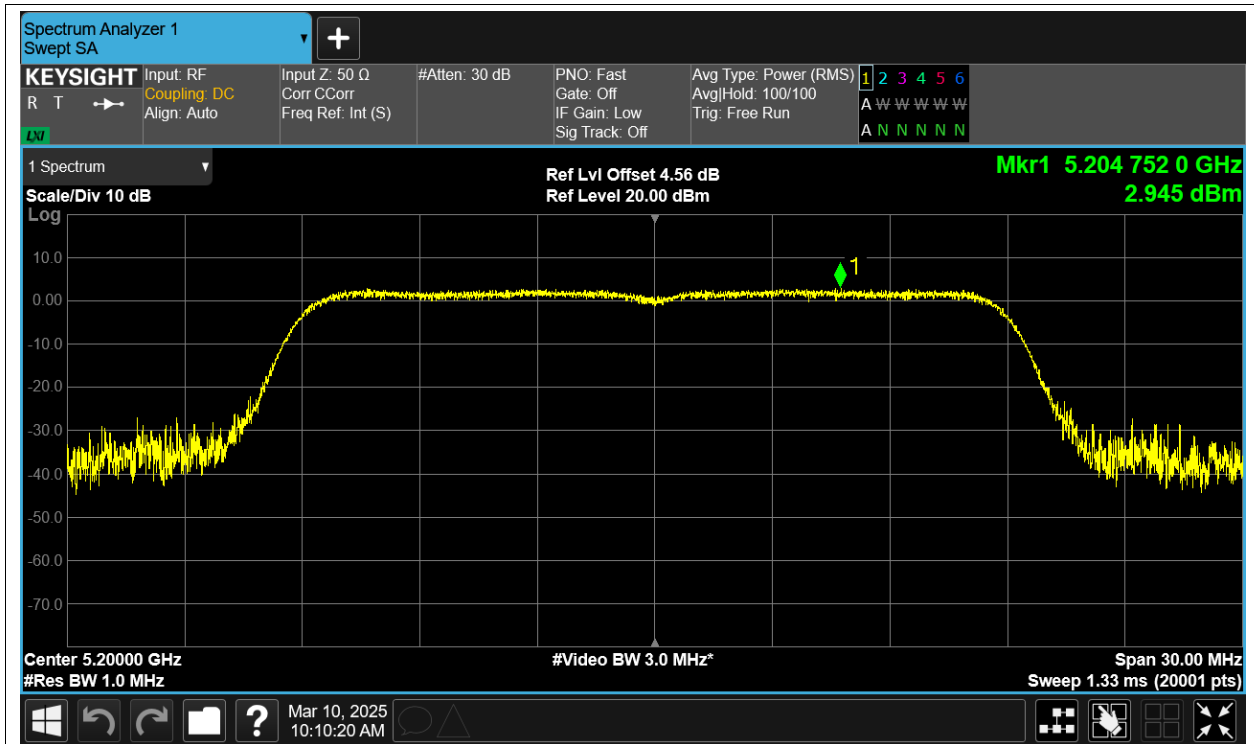
PSD NVNT a 5240MHz Ant1



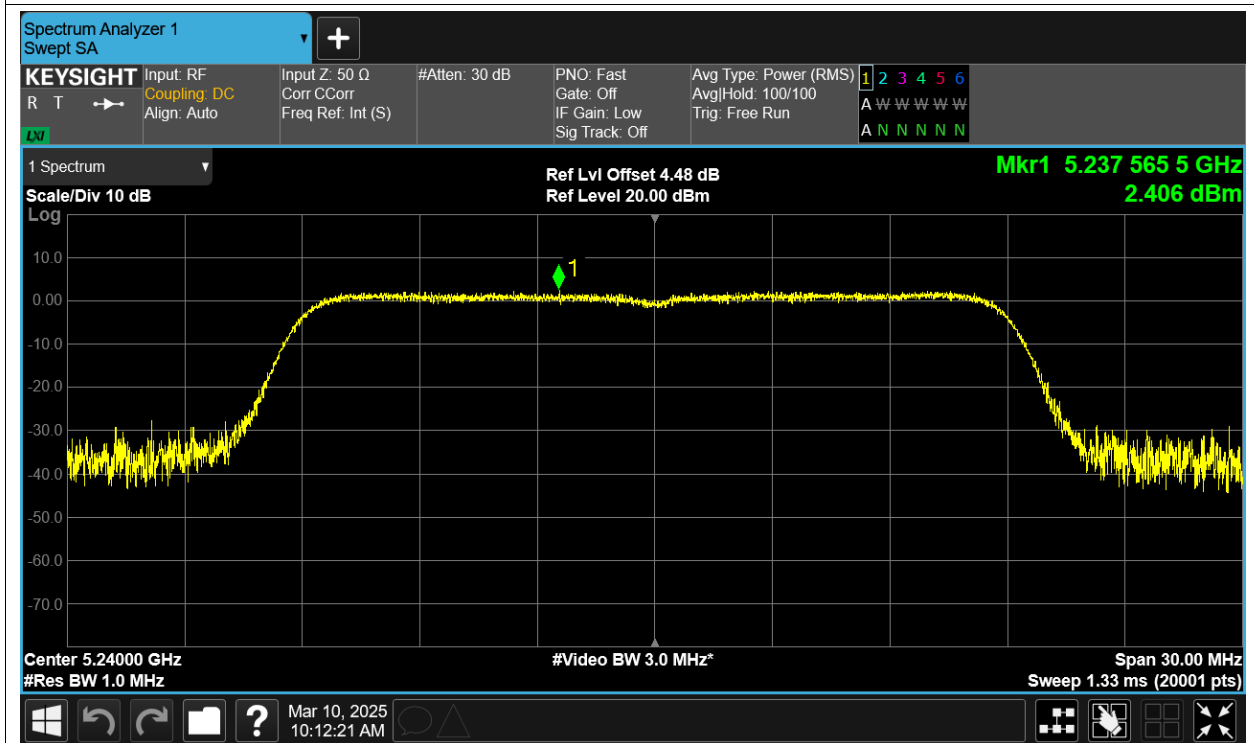
PSD NVNT ac20 5180MHz Ant1



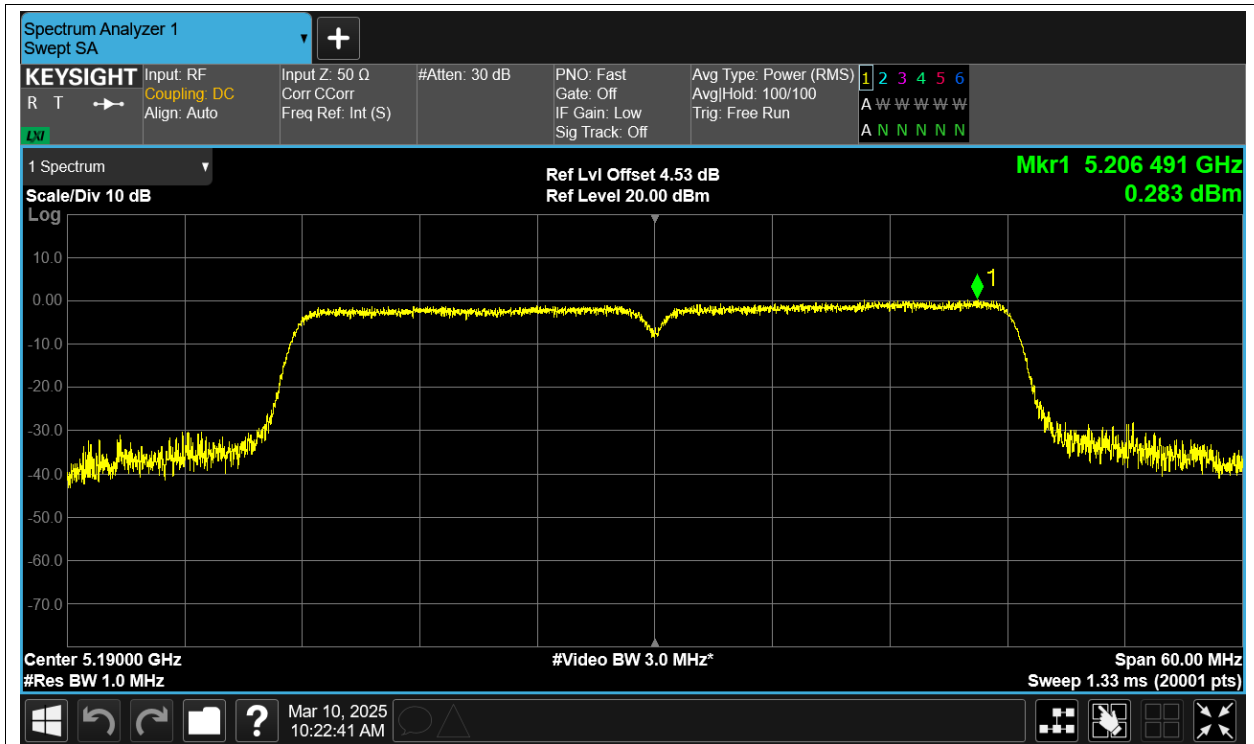
PSD NVNT ac20 5200MHz Ant1



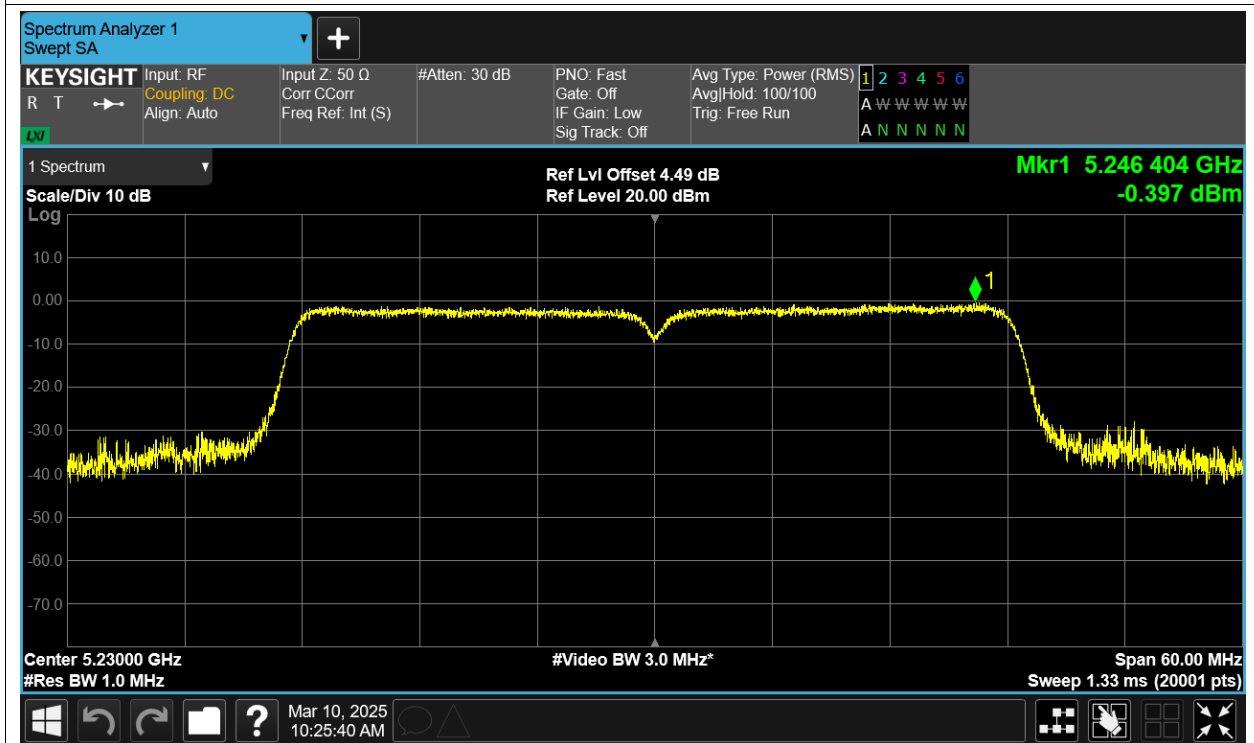
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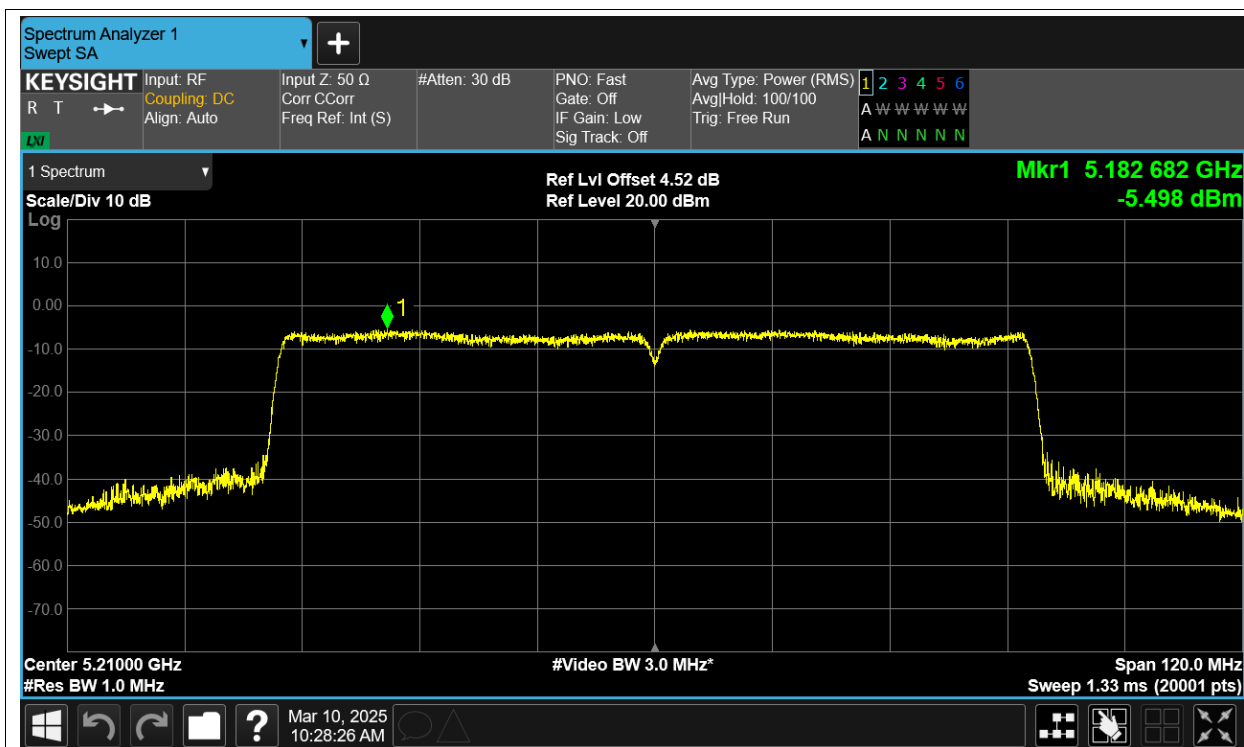
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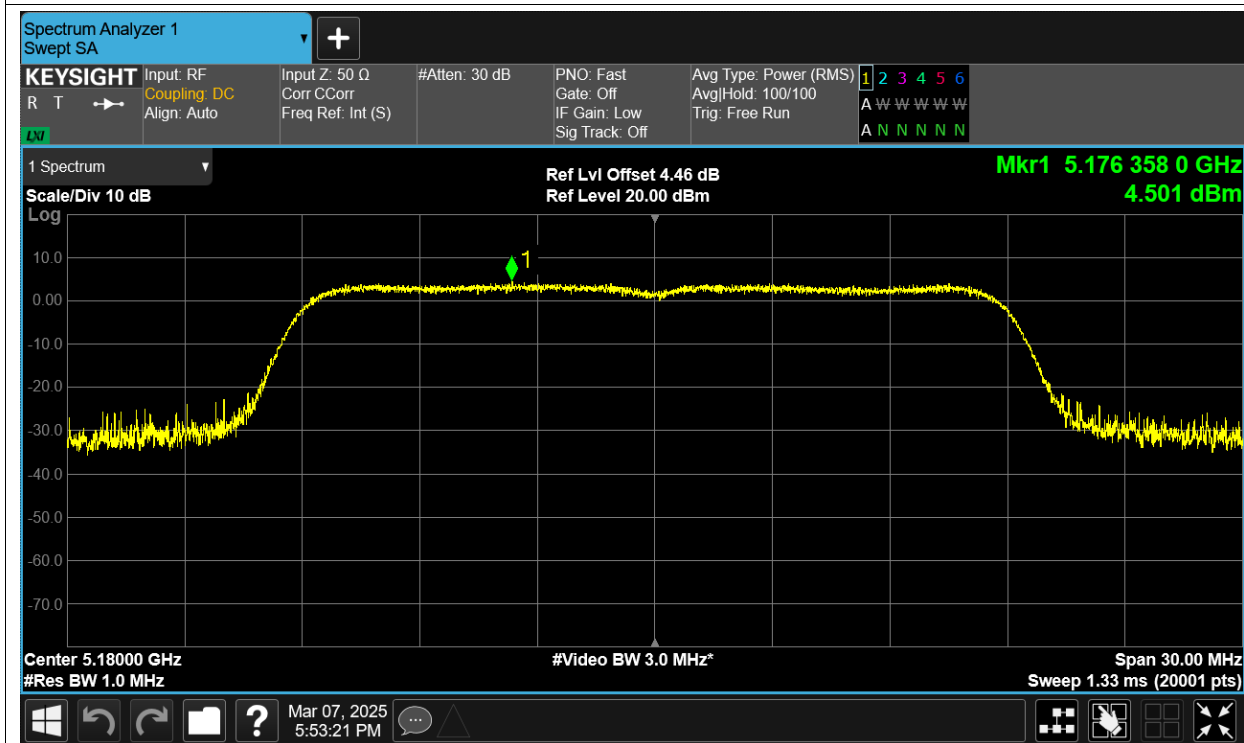
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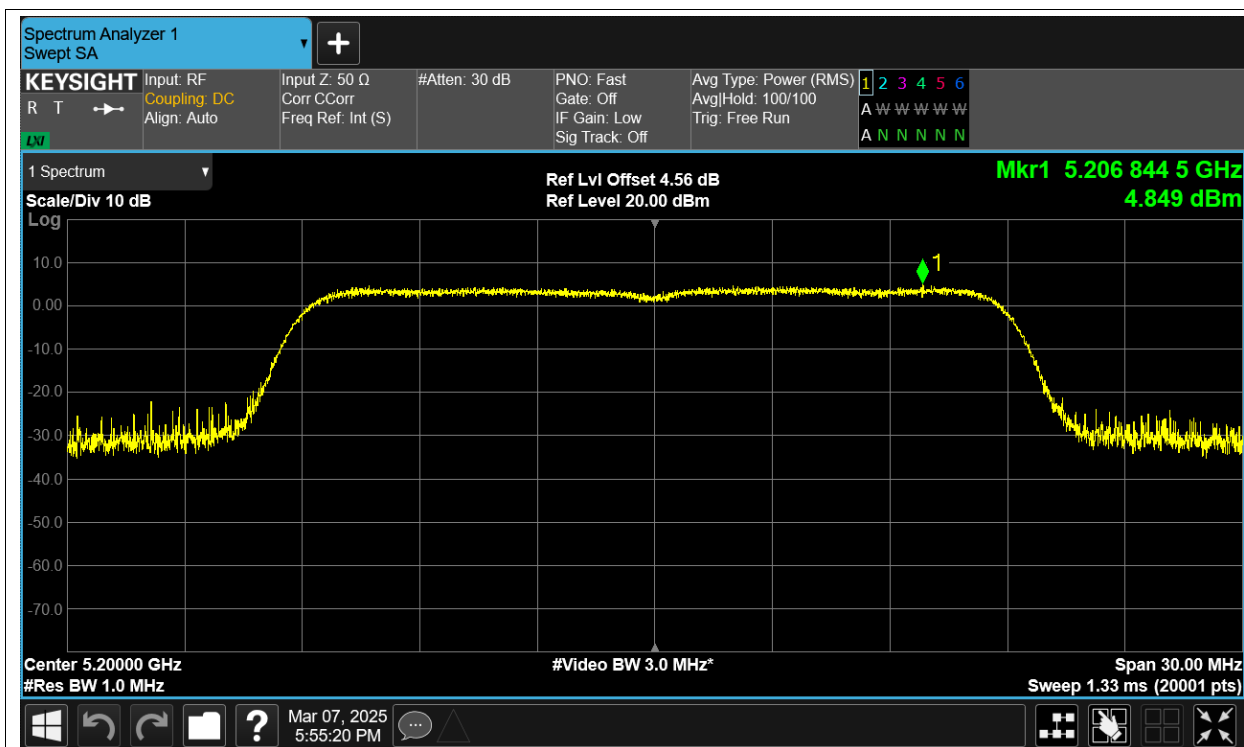
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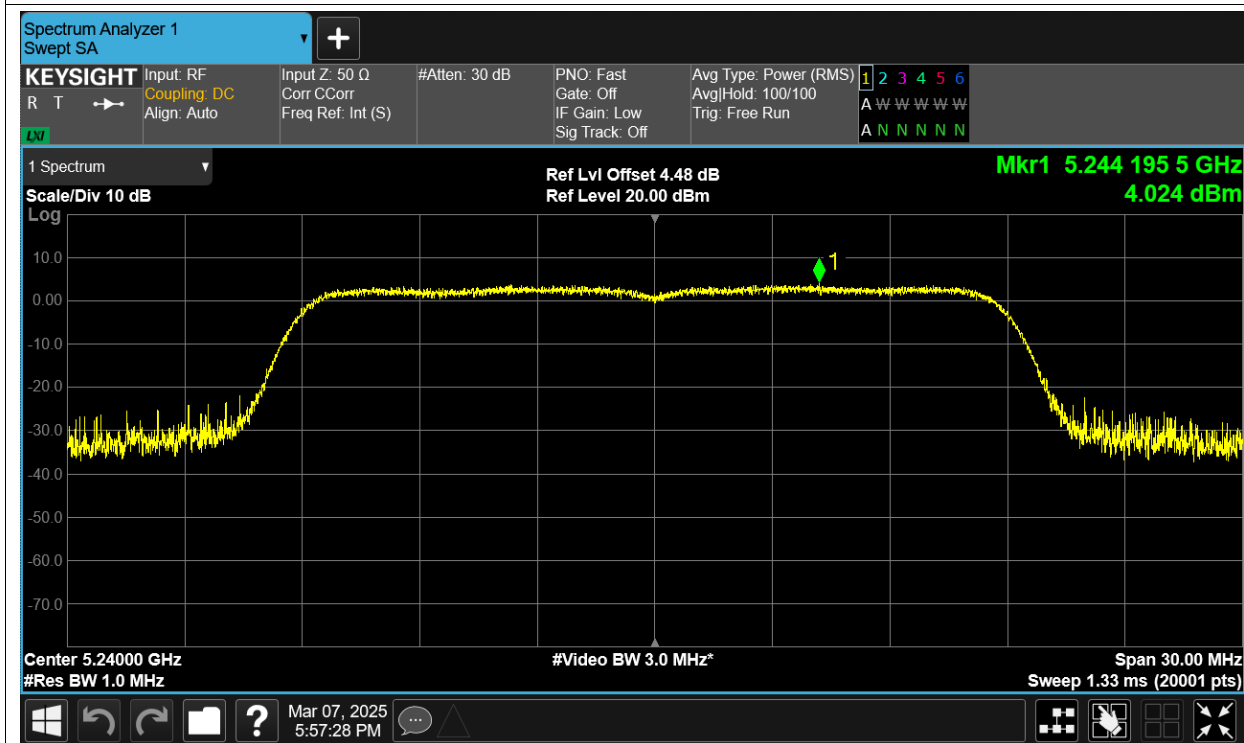
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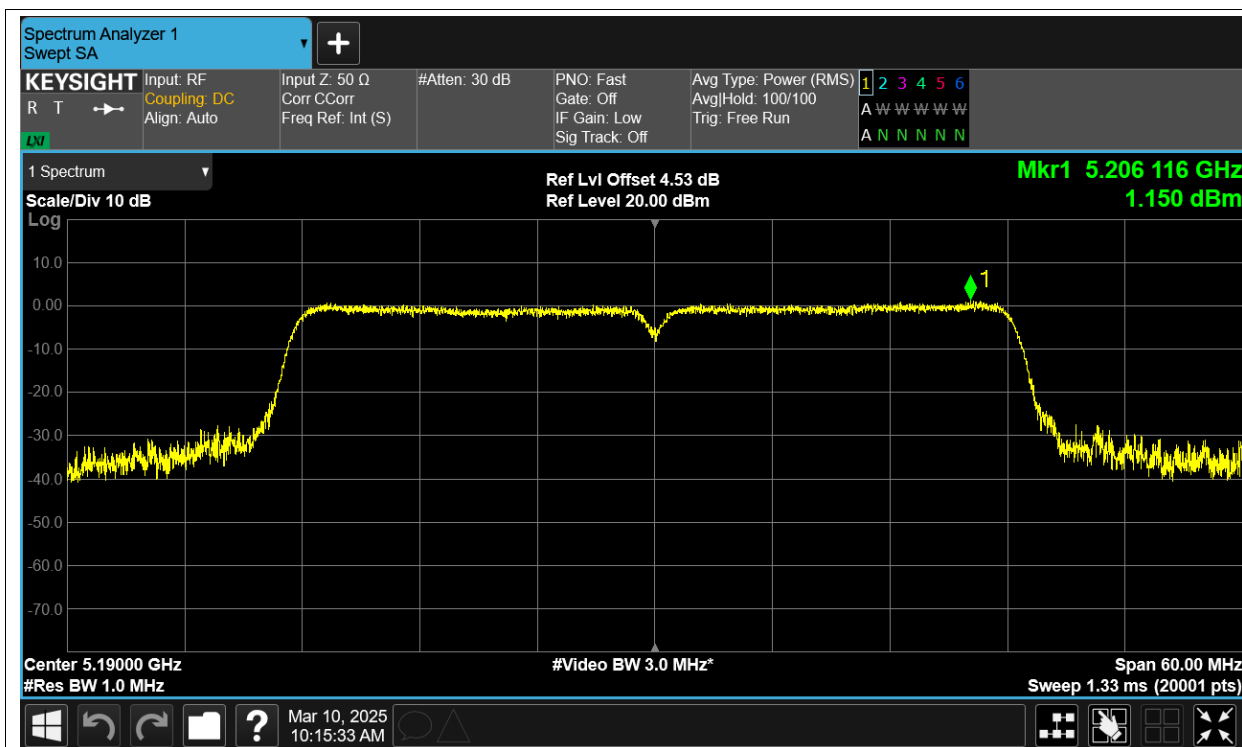
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

