

Test Data

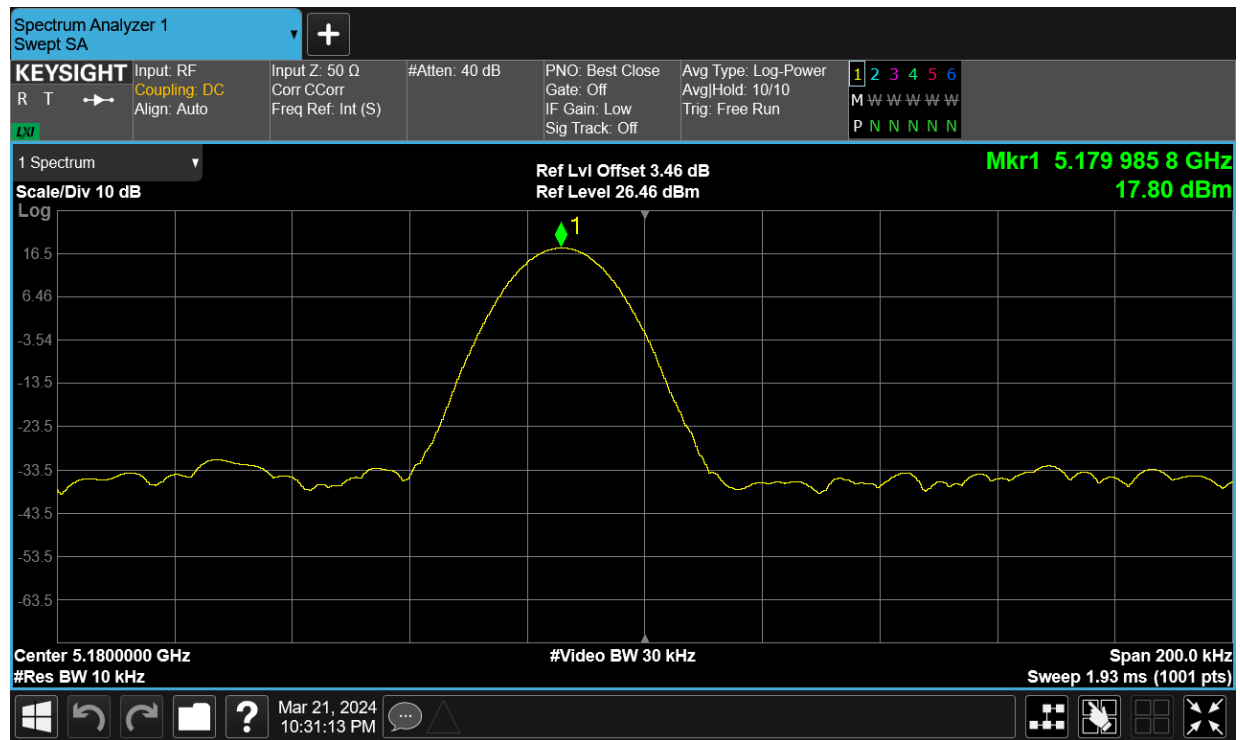
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant4	5179.9858	-2.74	Within authorized band	Pass
LVNT	a	5180	Ant4	5179.986	-2.7		Pass
NVHT	a	5180	Ant4	5179.9862	-2.66		Pass
NVLT	a	5180	Ant4	5179.9868	-2.55		Pass
NVNT	a	5180	Ant4	5179.9878	-2.36		Pass
HVNT	ac80	5210	Ant4	5209.9862	-2.65		Pass
LVNT	ac80	5210	Ant4	5209.9864	-2.61		Pass
NVHT	ac80	5210	Ant4	5209.9864	-2.61		Pass
NVLT	ac80	5210	Ant4	5209.9866	-2.57		Pass
NVNT	ac80	5210	Ant4	5209.9869	-2.51		Pass
HVNT	n40	5190	Ant4	5189.9846	-2.97		Pass
LVNT	n40	5190	Ant4	5189.9846	-2.97		Pass
NVHT	n40	5190	Ant4	5189.9846	-2.97		Pass
NVLT	n40	5190	Ant4	5189.9844	-3.01		Pass
NVNT	n40	5190	Ant4	5189.9844	-3.01		Pass

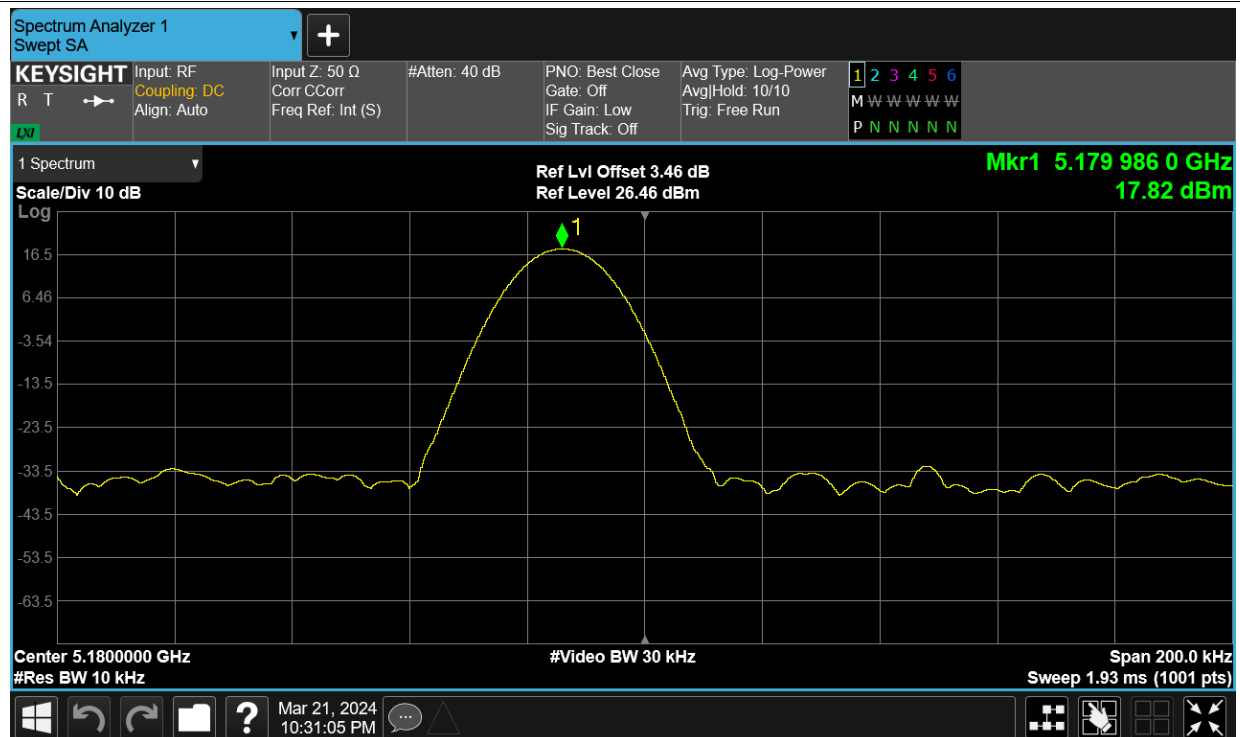
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

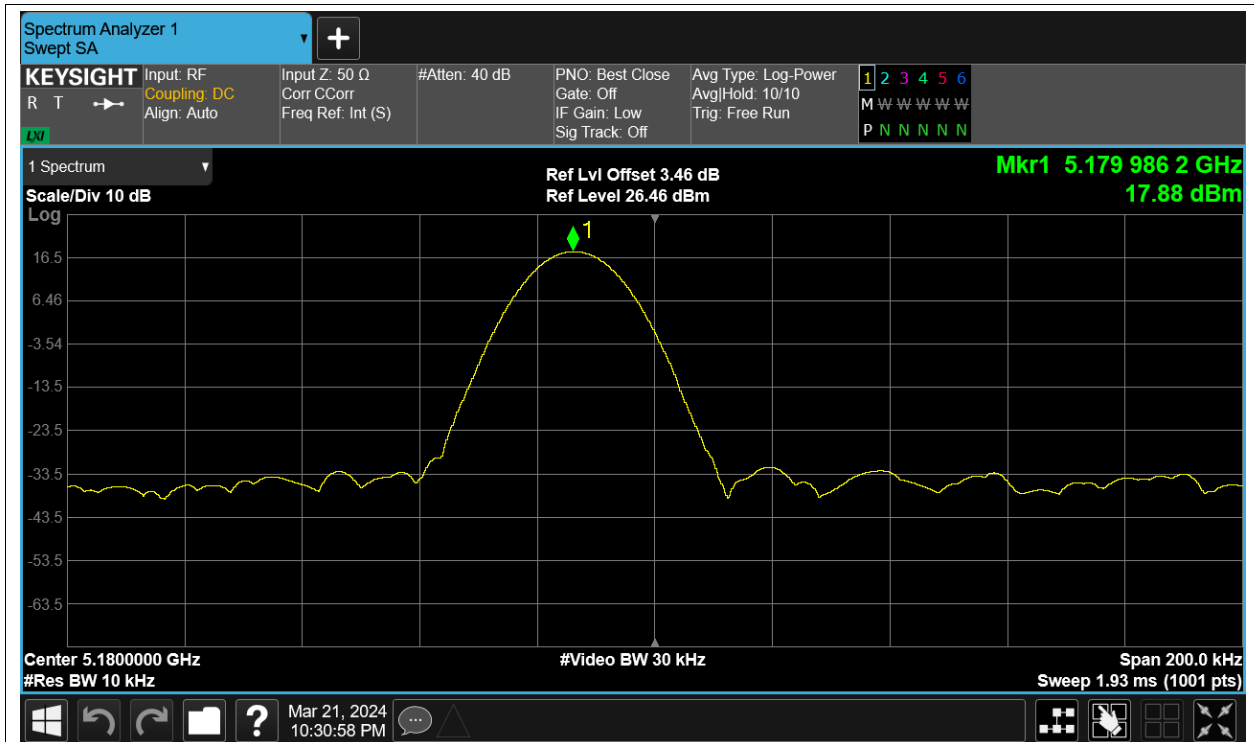
Freq. Stability HVNT a 5180MHz Ant4



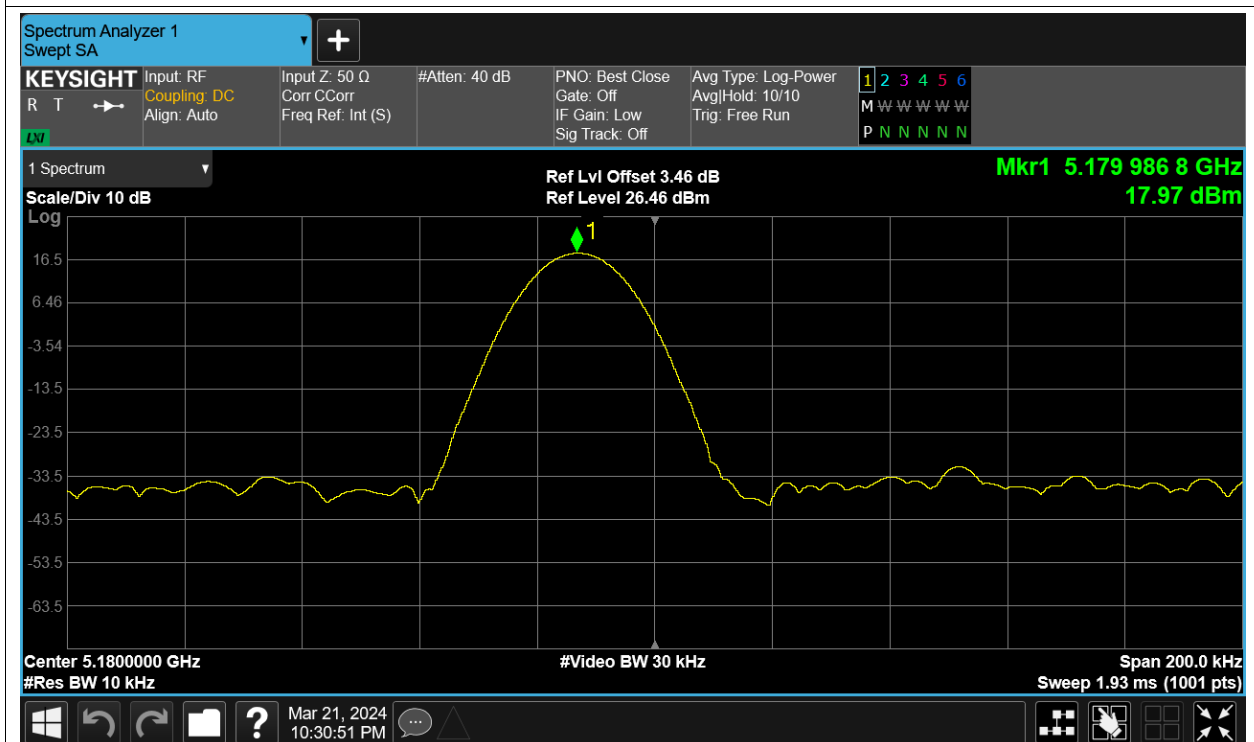
Freq. Stability LVNT a 5180MHz Ant4



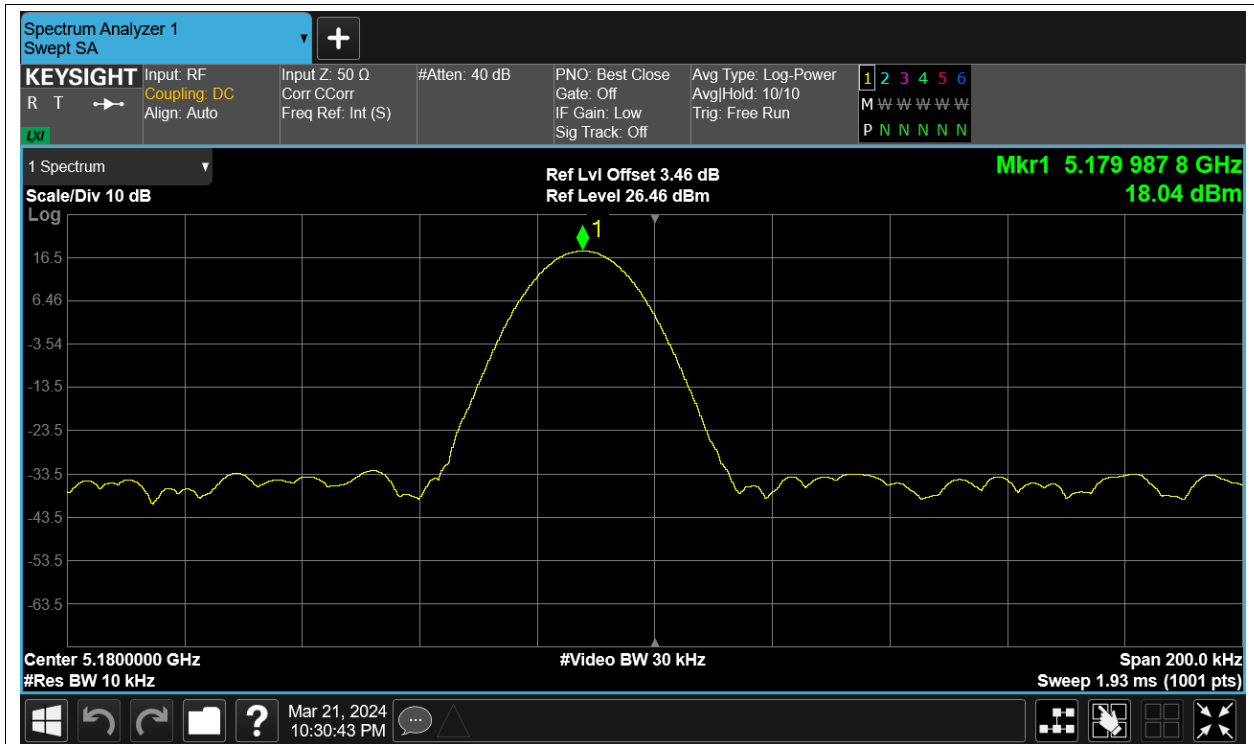
Freq. Stability NVHT a 5180MHz Ant4



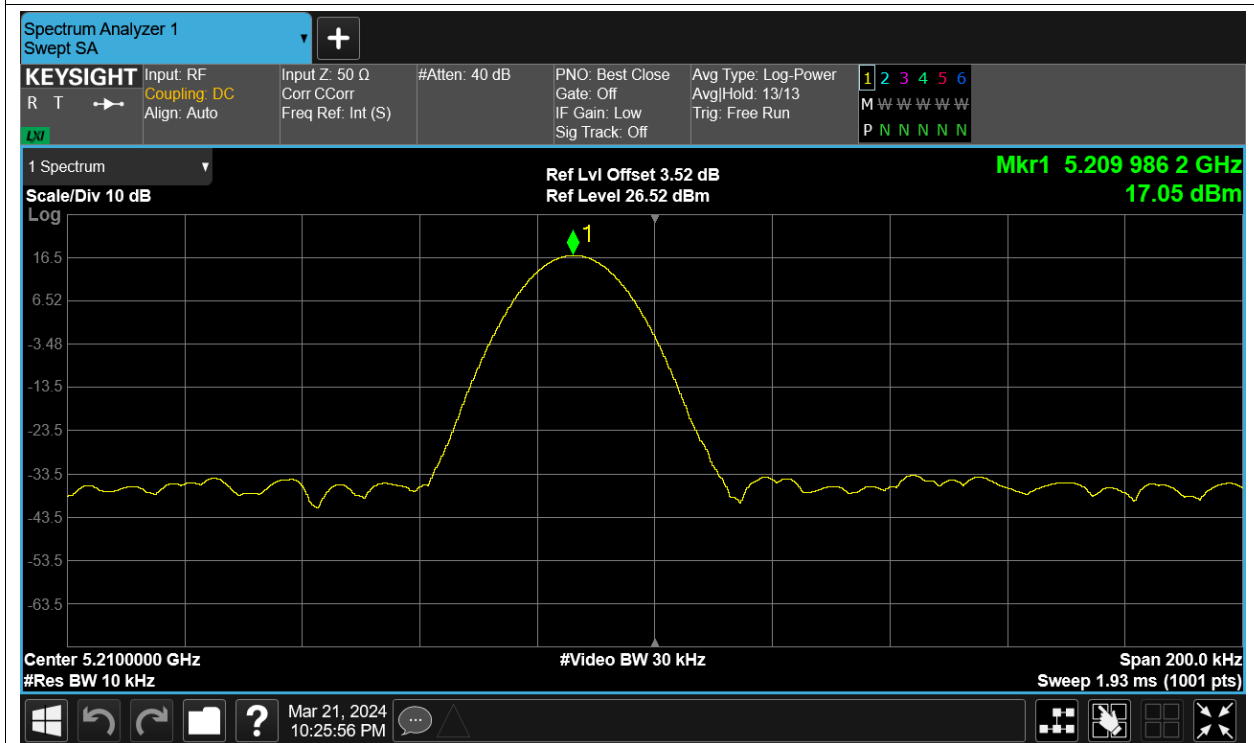
Freq. Stability NVLT a 5180MHz Ant4



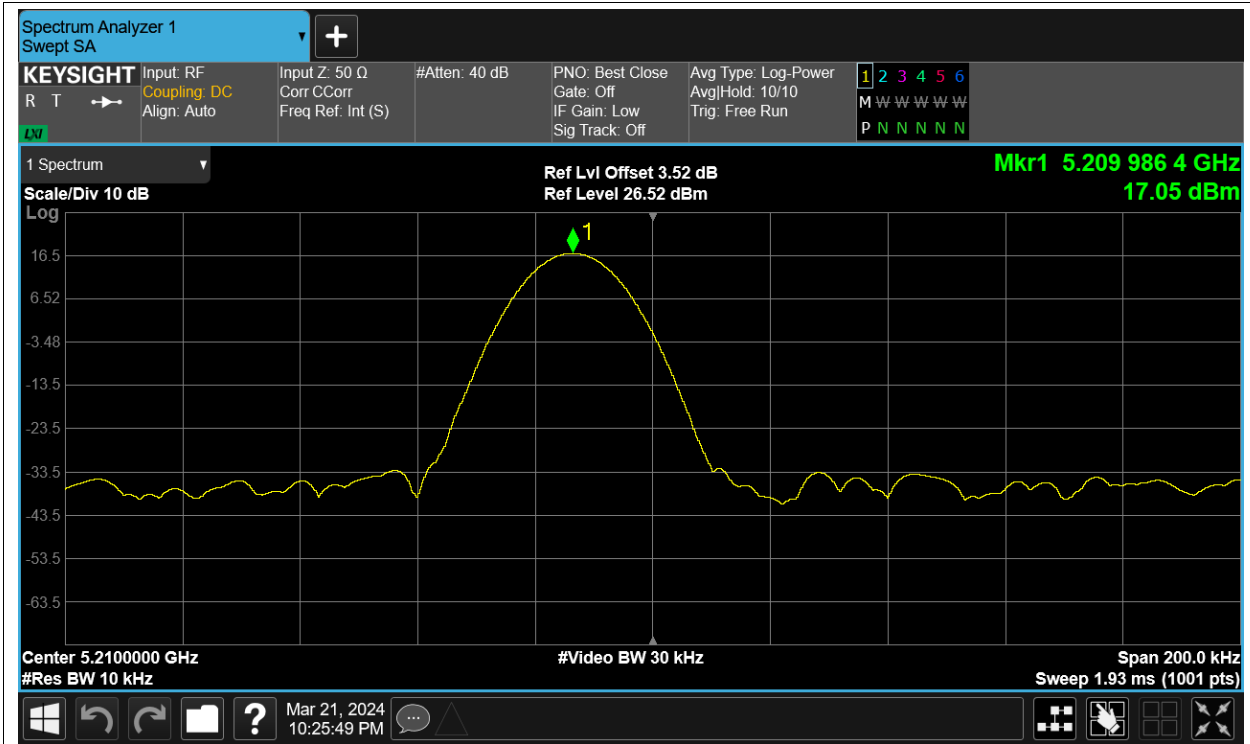
Freq. Stability NVNT a 5180MHz Ant4



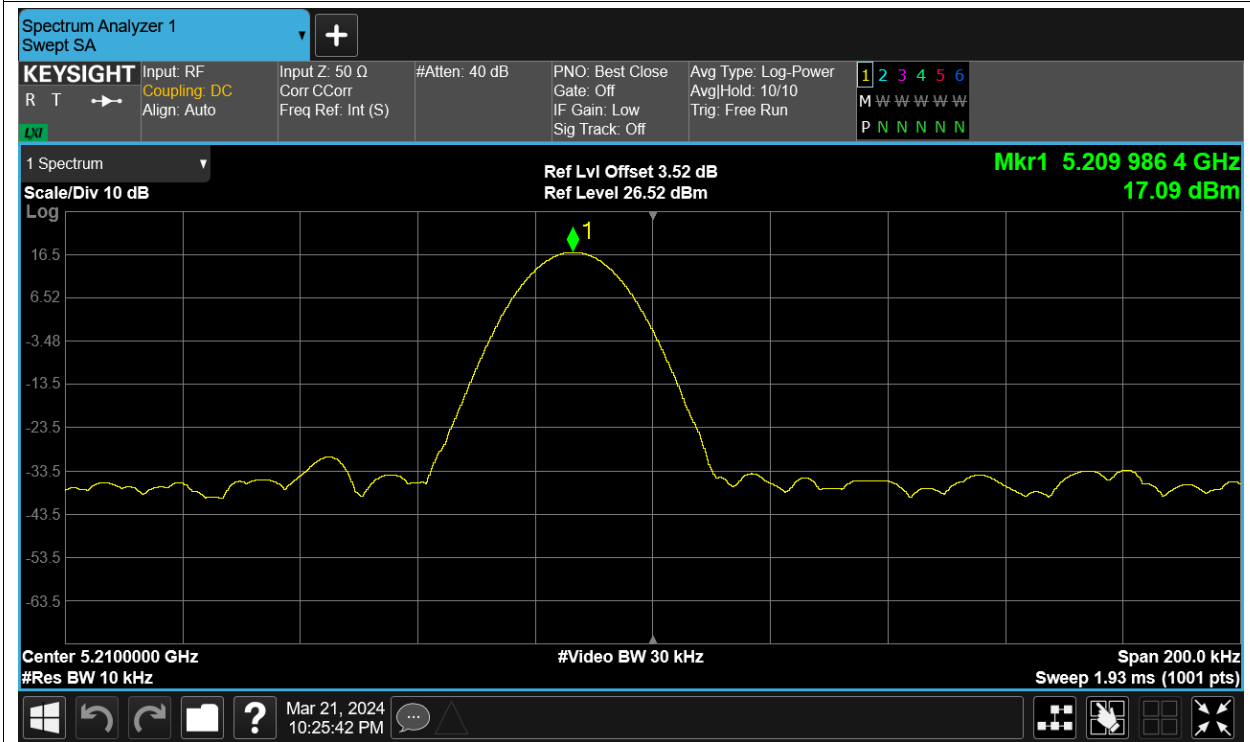
Freq. Stability HVNT ac80 5210MHz Ant4



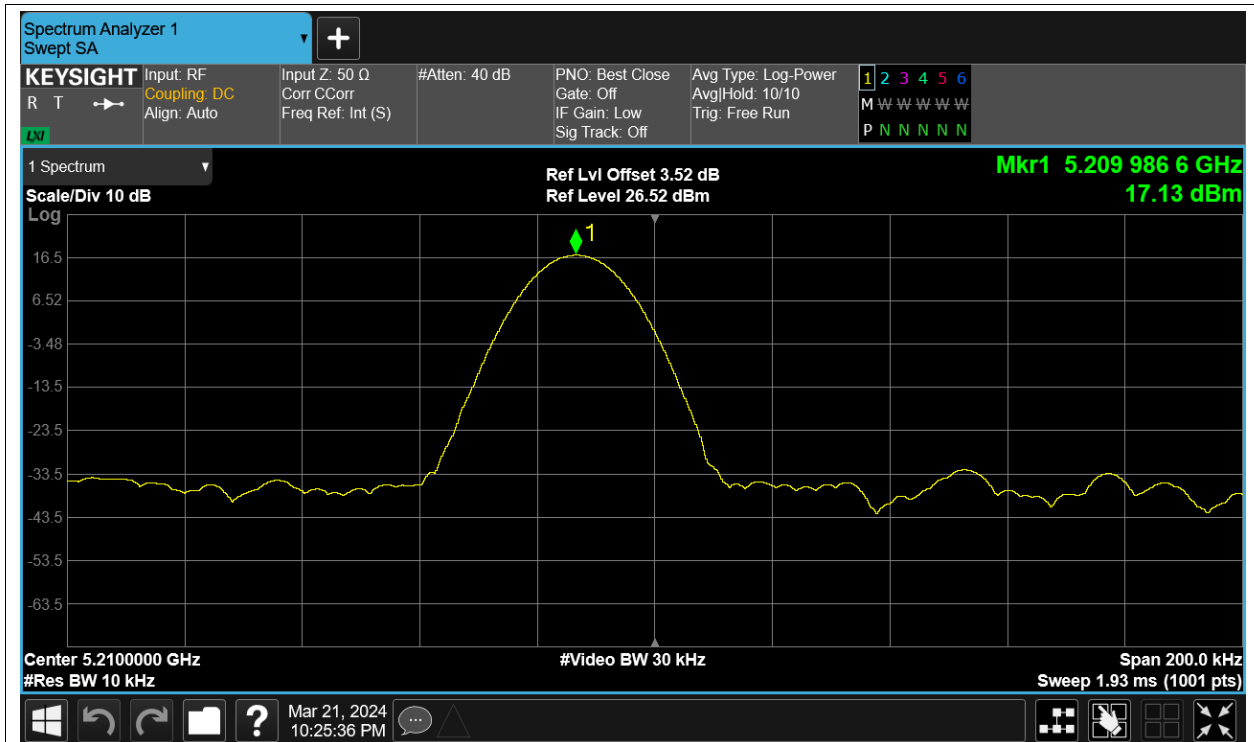
Freq. Stability LVNT ac80 5210MHz Ant4



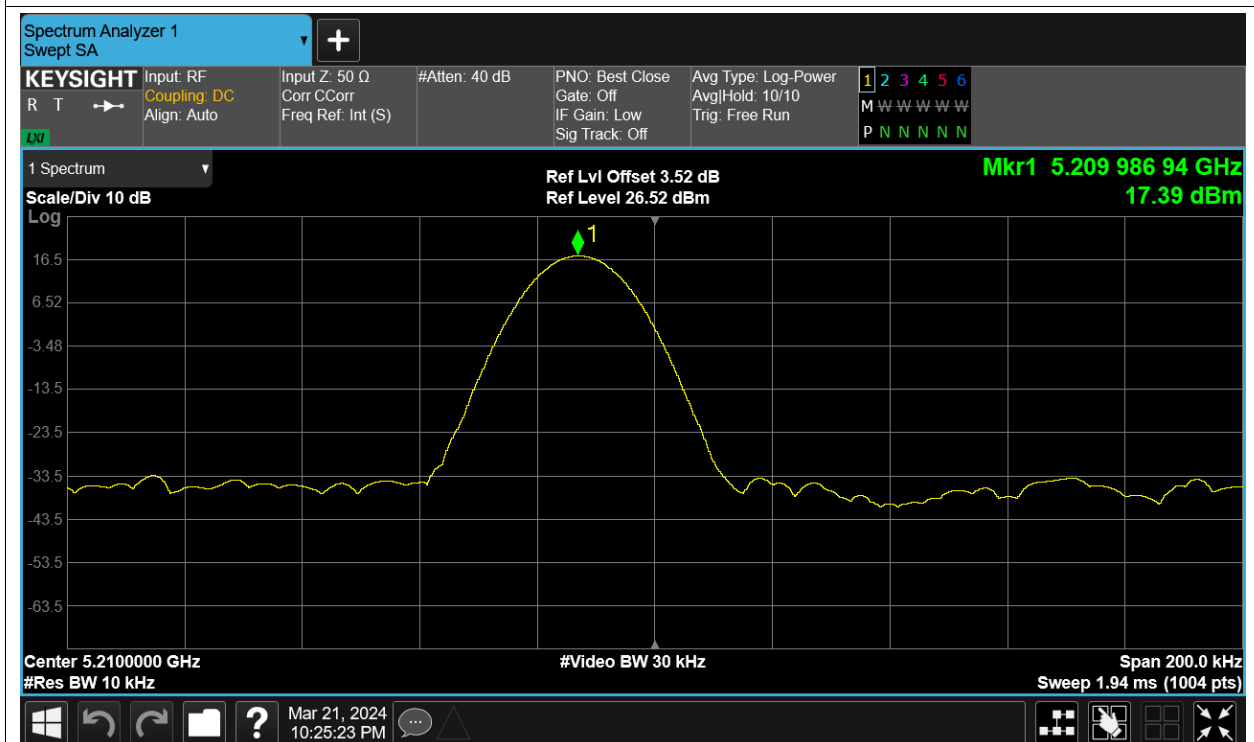
Freq. Stability NVHT ac80 5210MHz Ant4



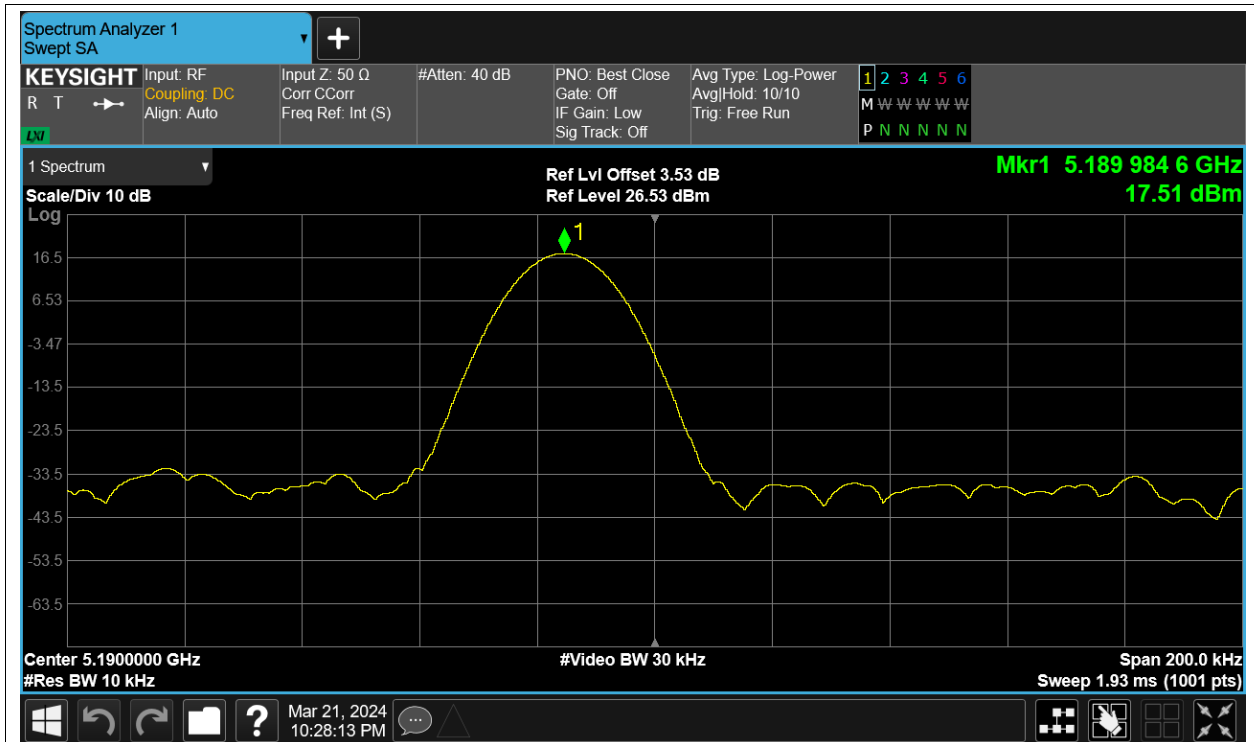
Freq. Stability NVLT ac80 5210MHz Ant4



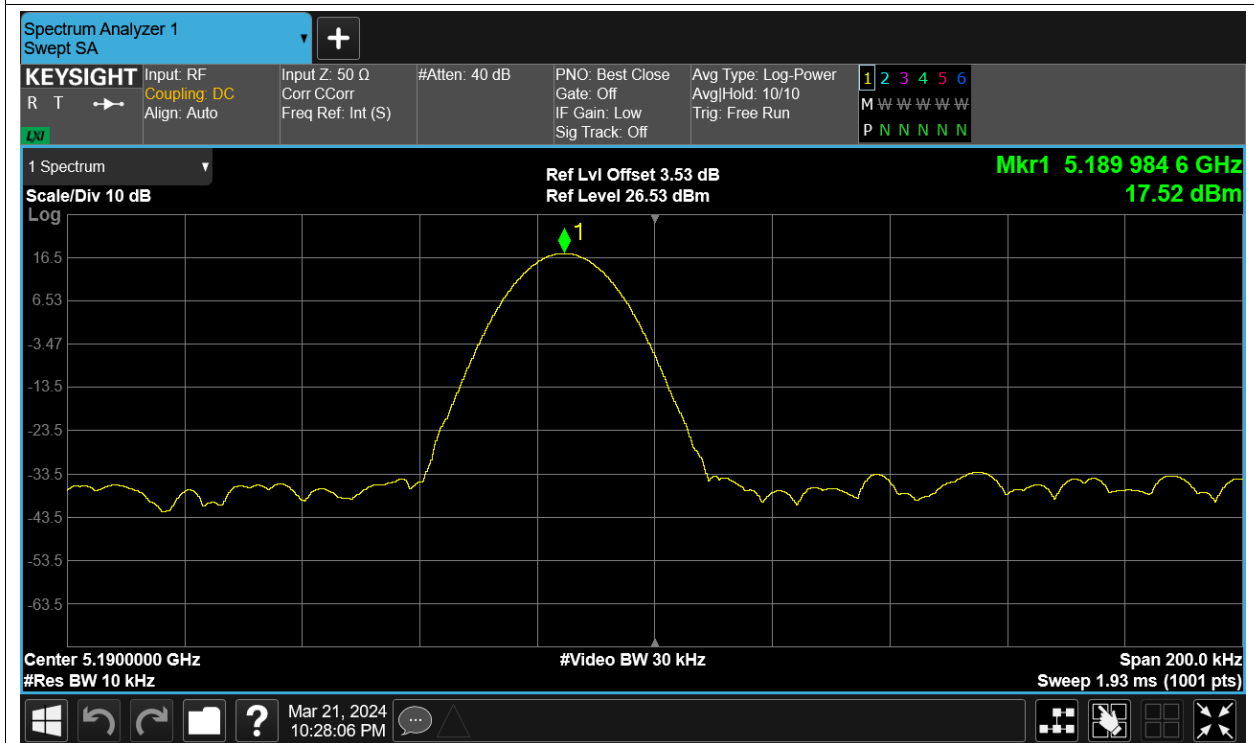
Freq. Stability NVNT ac80 5210MHz Ant4



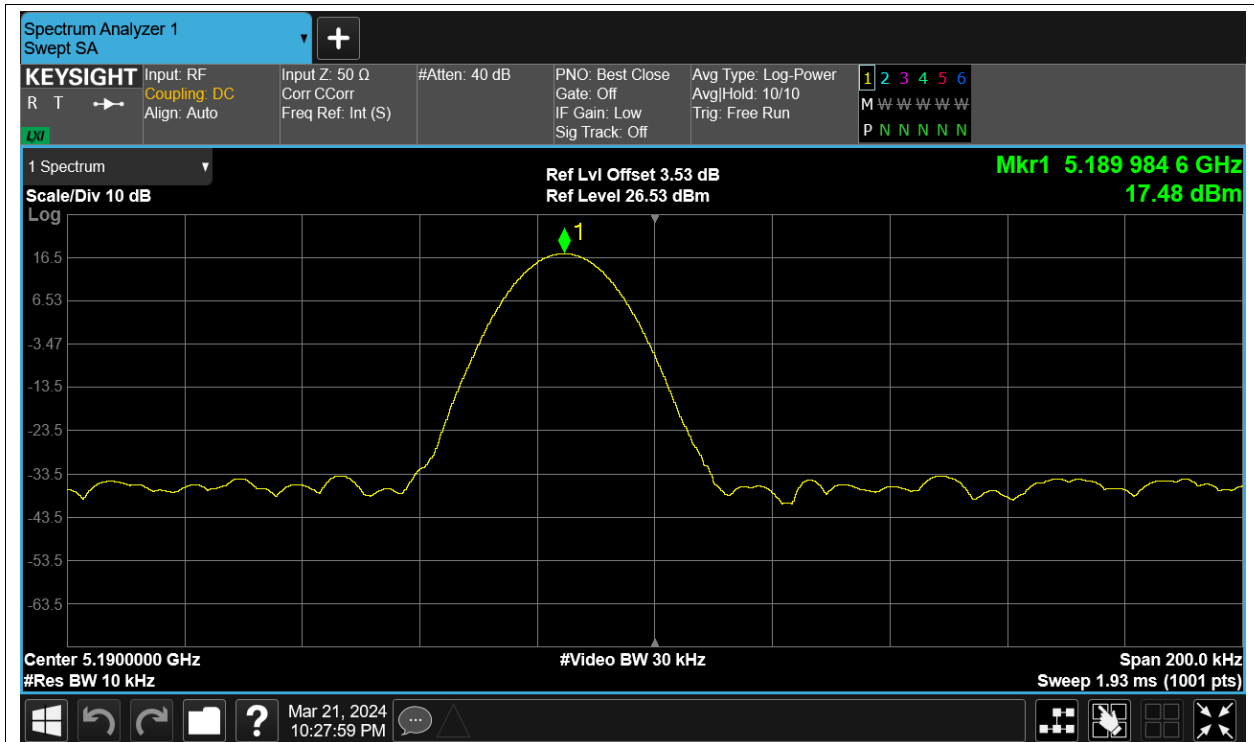
Freq. Stability HVNT n40 5190MHz Ant4



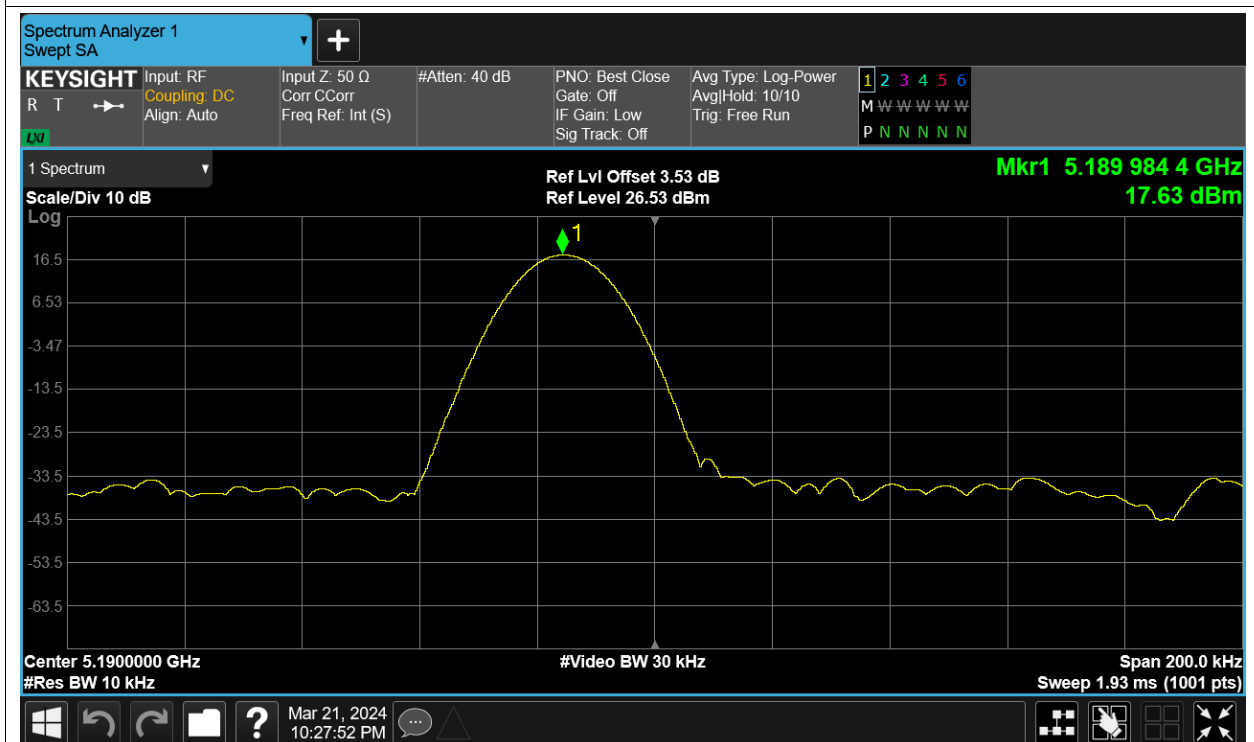
Freq. Stability LVNT n40 5190MHz Ant4



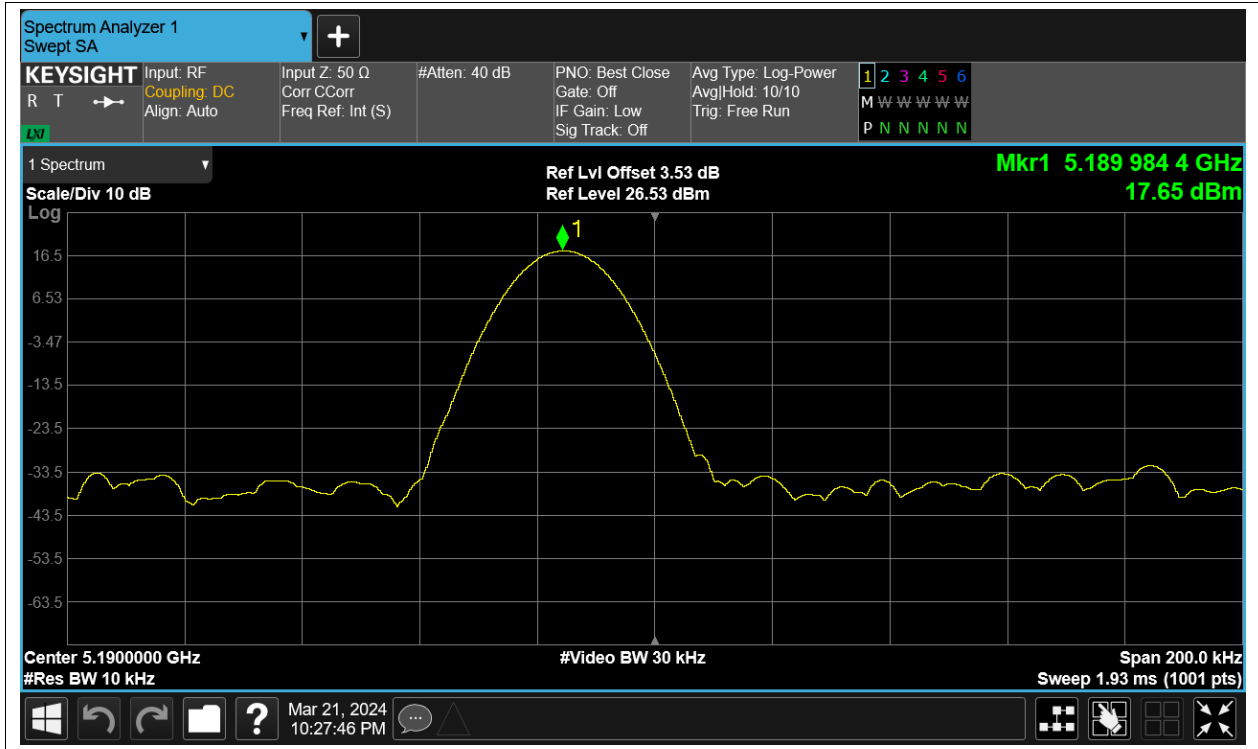
Freq. Stability NVHT n40 5190MHz Ant4



Freq. Stability NVLT n40 5190MHz Ant4



Freq. Stability NVNT n40 5190MHz Ant4

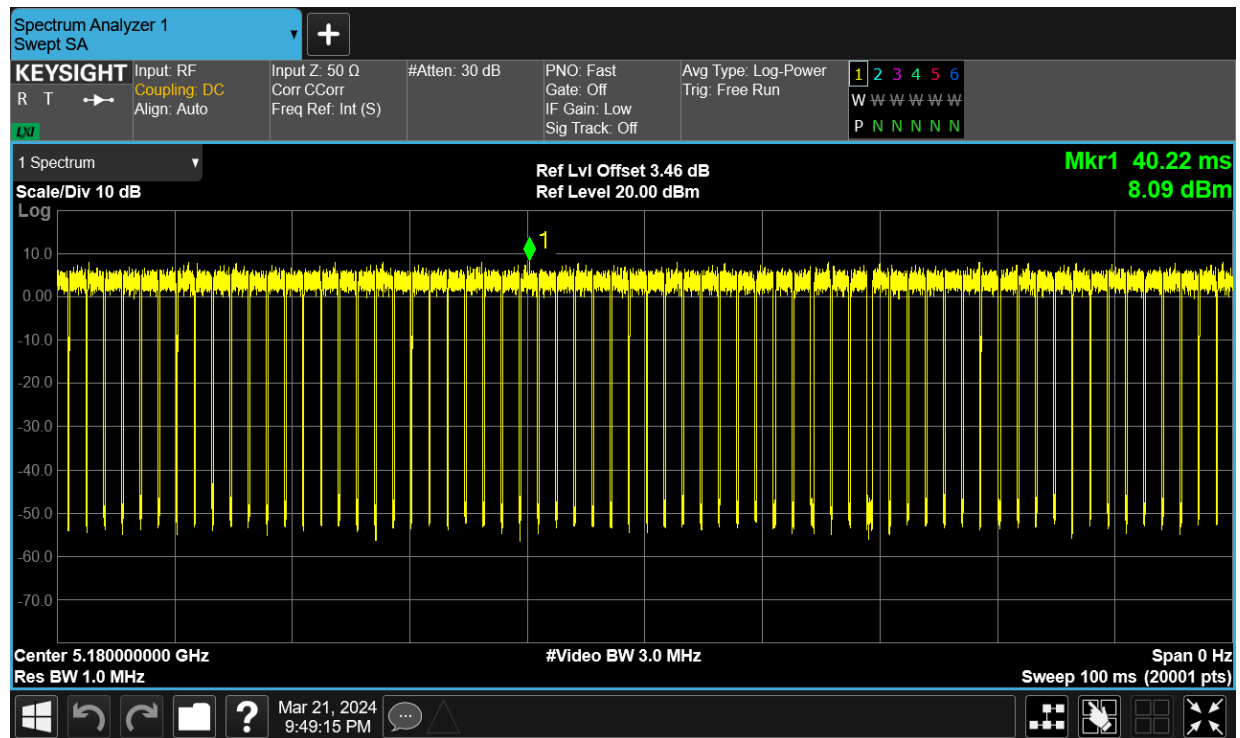


Duty Cycle

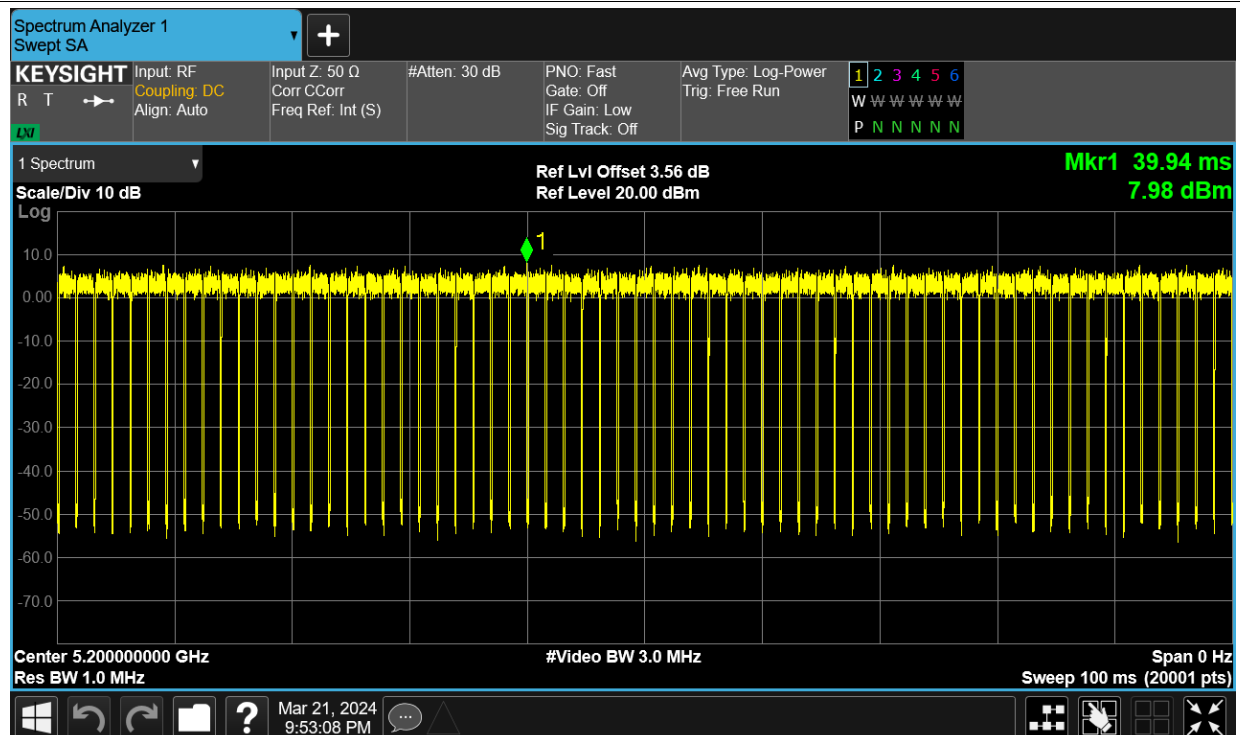
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant4	90.23	0.45
NVNT	a	5200	Ant4	90.89	0.42
NVNT	a	5240	Ant4	90.82	0.42
NVNT	ac20	5180	Ant4	87.08	0.6
NVNT	ac20	5200	Ant4	88.8	0.52
NVNT	ac20	5240	Ant4	88.41	0.53
NVNT	ac40	5190	Ant4	80.22	0.96
NVNT	ac40	5230	Ant4	80.73	0.93
NVNT	ac80	5210	Ant4	66.35	1.78
NVNT	n20	5180	Ant4	88.41	0.54
NVNT	n20	5200	Ant4	88.5	0.53
NVNT	n20	5240	Ant4	88.6	0.53
NVNT	n40	5190	Ant4	80.66	0.93
NVNT	n40	5230	Ant4	81.04	0.91

Test Graphs

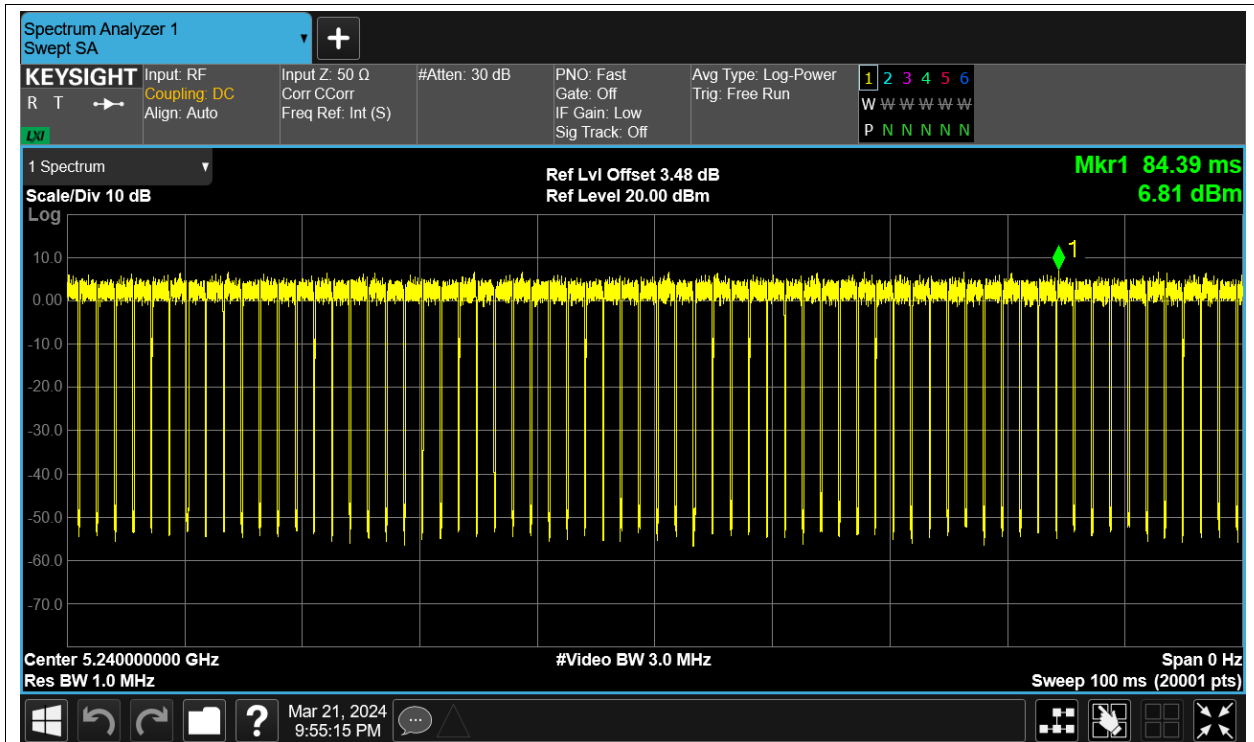
Duty Cycle NVNT a 5180MHz Ant4



Duty Cycle NVNT a 5200MHz Ant4



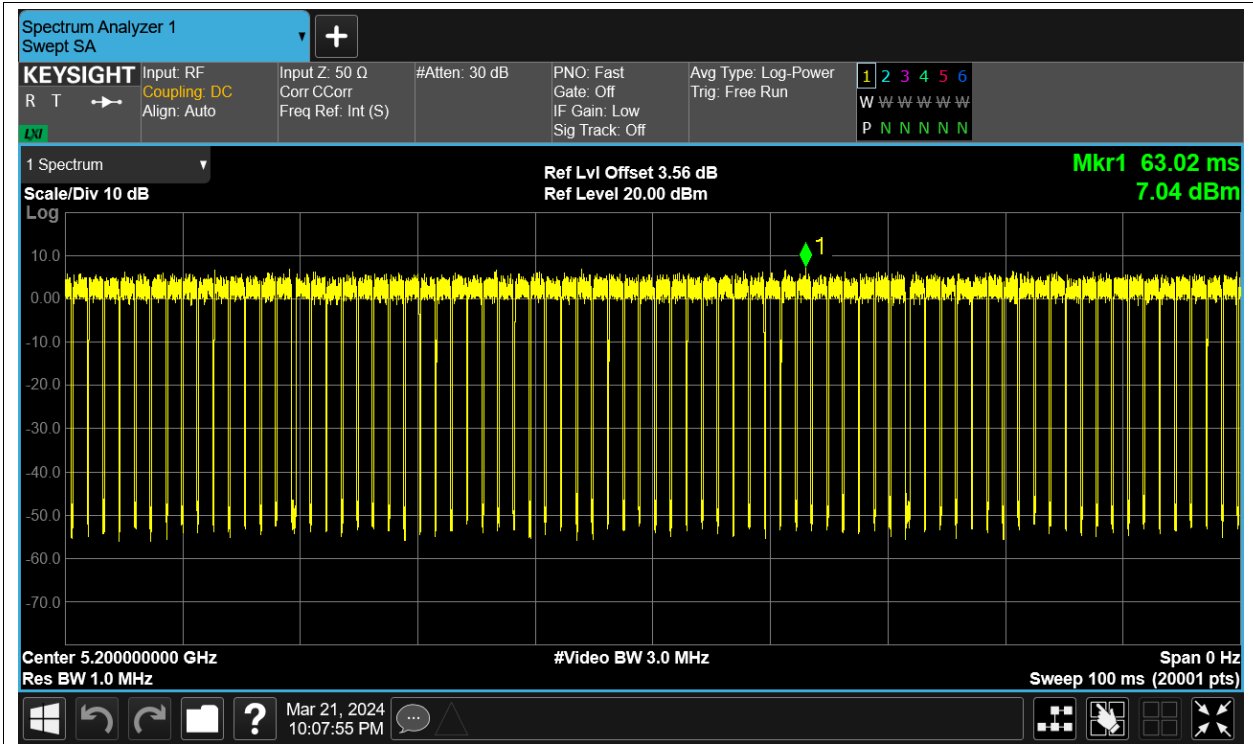
Duty Cycle NVNT a 5240MHz Ant4



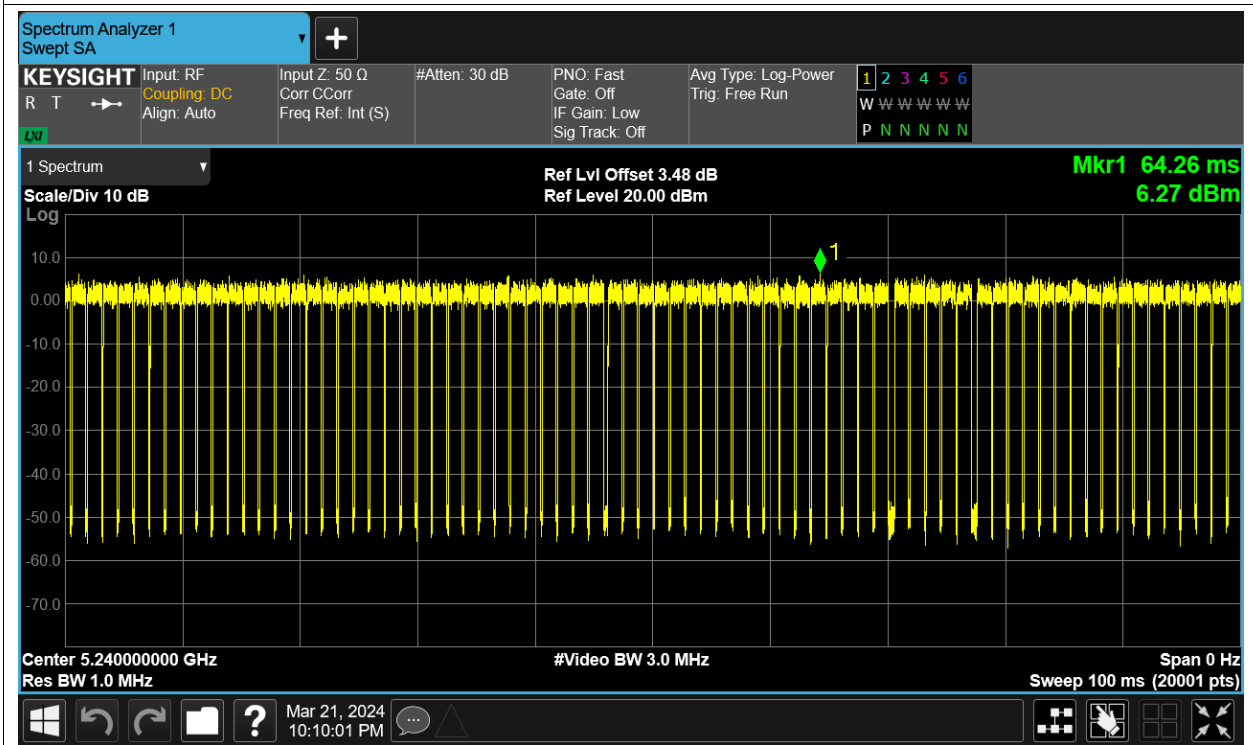
Duty Cycle NVNT ac20 5180MHz Ant4



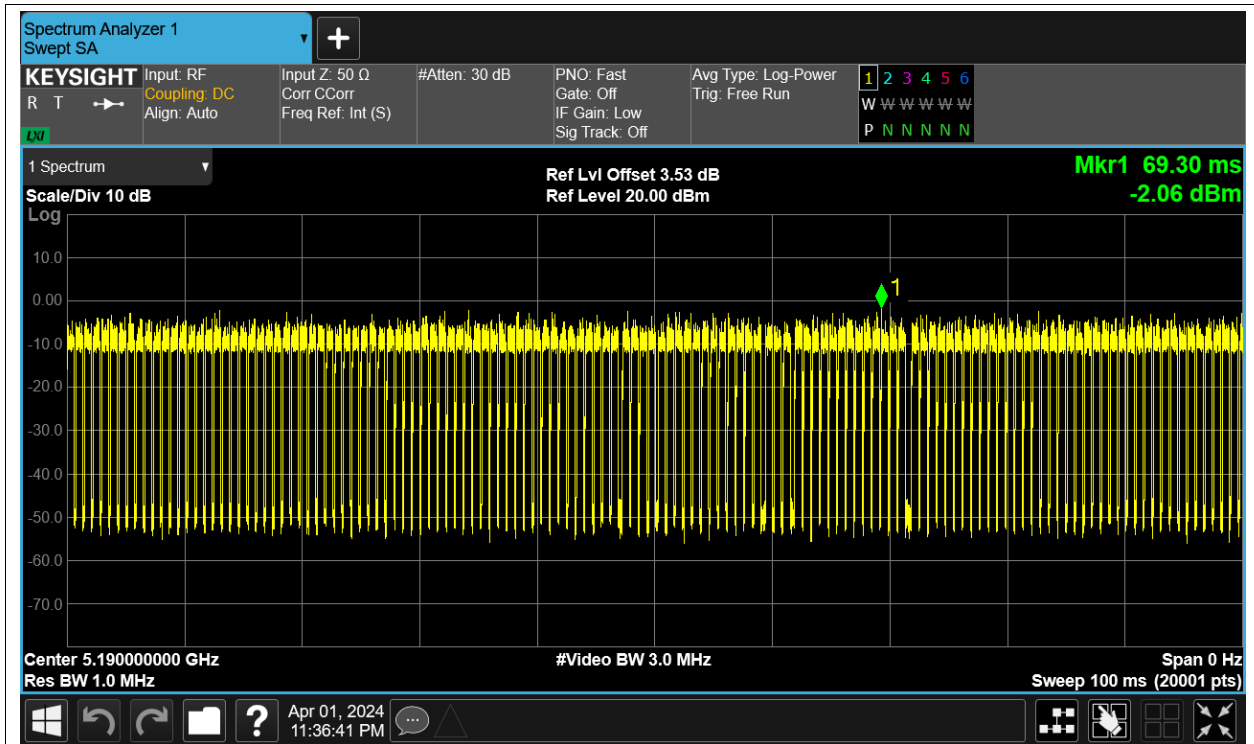
Duty Cycle NVNT ac20 5200MHz Ant4



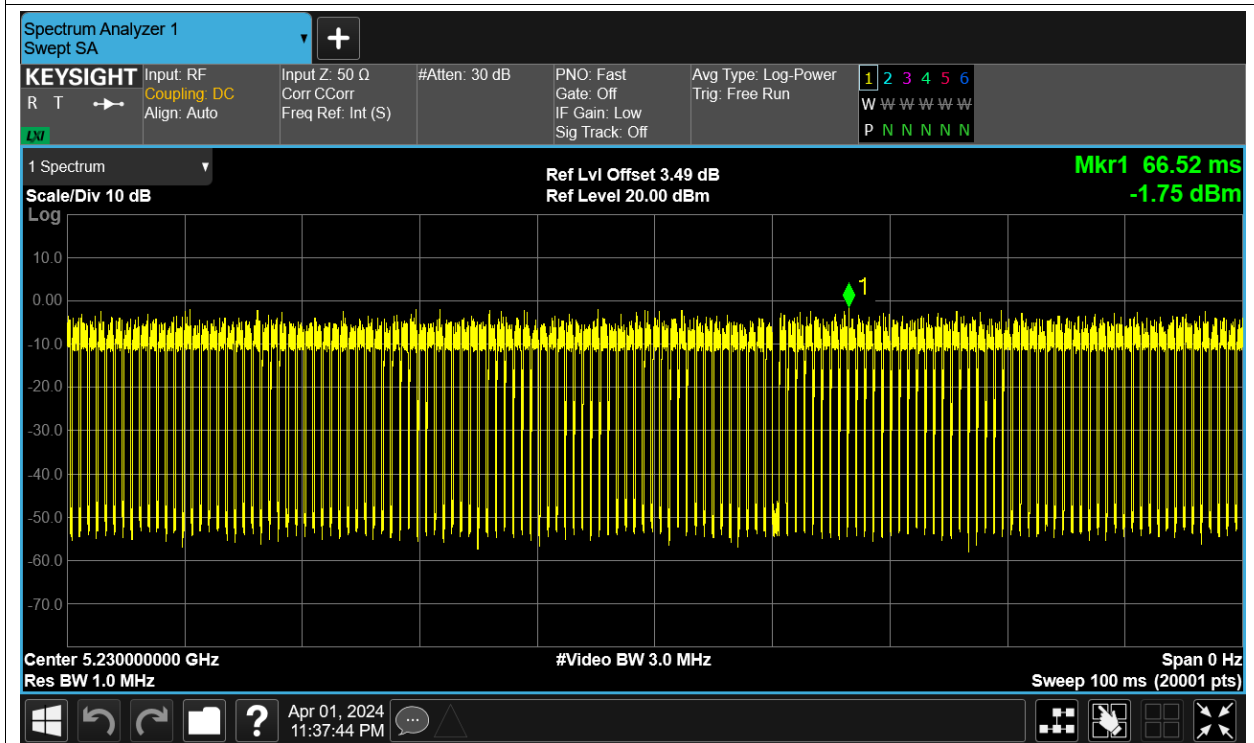
Duty Cycle NVNT ac20 5240MHz Ant4



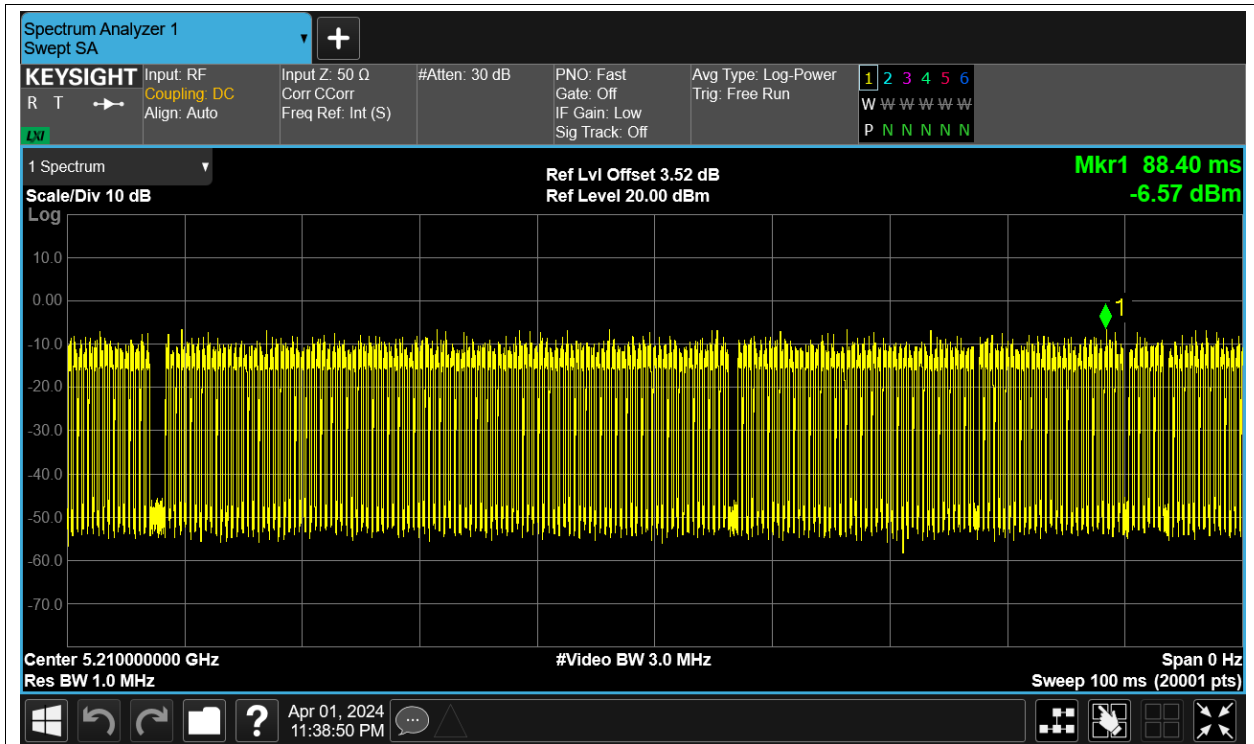
Duty Cycle NVNT ac40 5190MHz Ant4



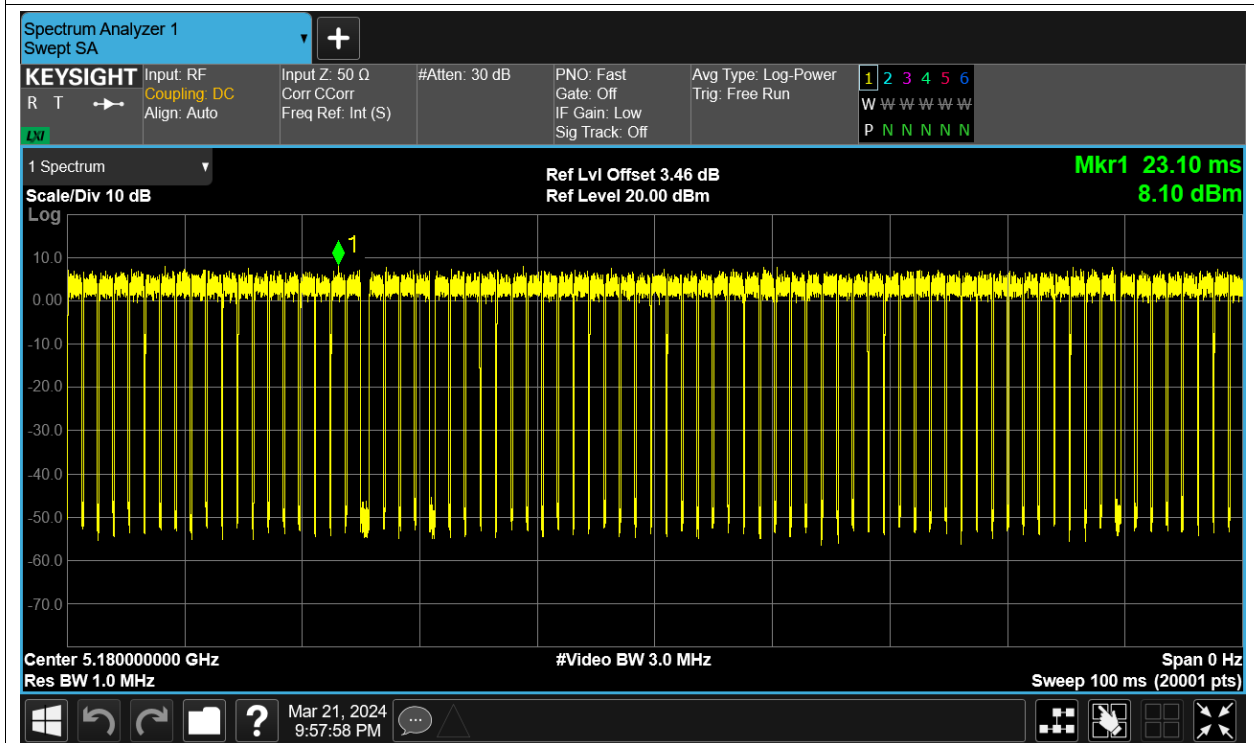
Duty Cycle NVNT ac40 5230MHz Ant4



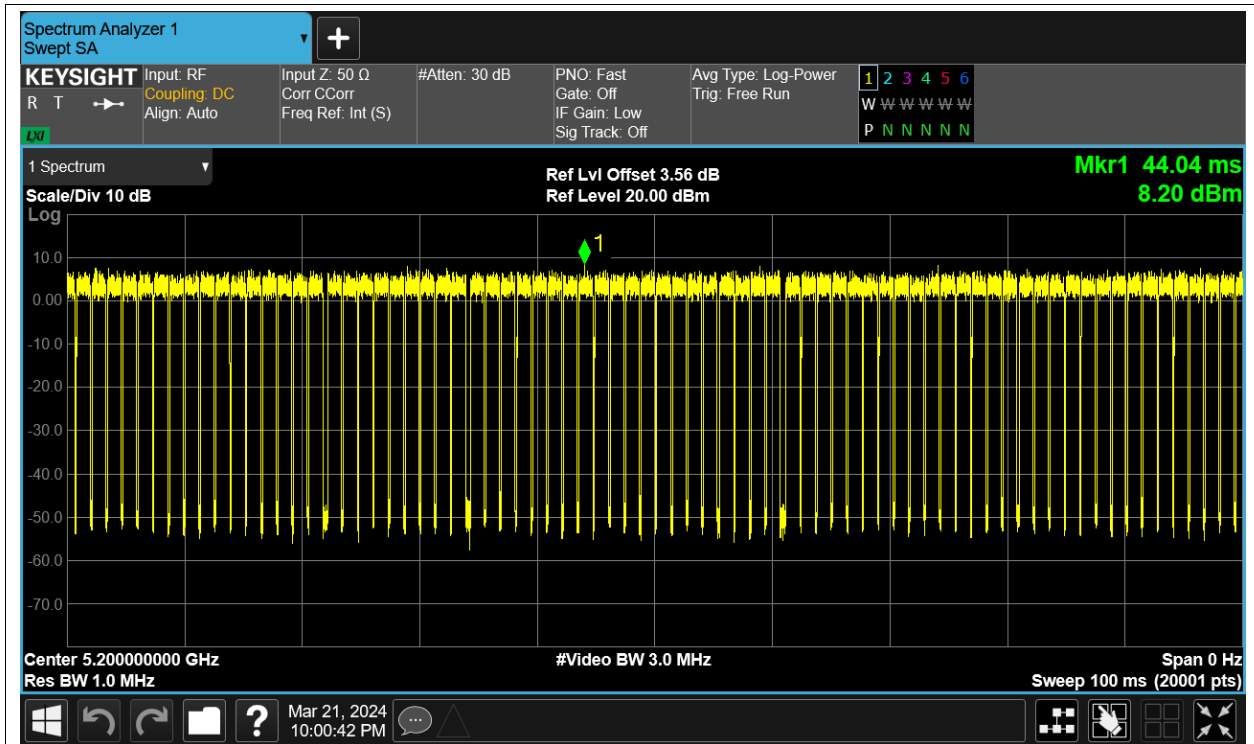
Duty Cycle NVNT ac80 5210MHz Ant4



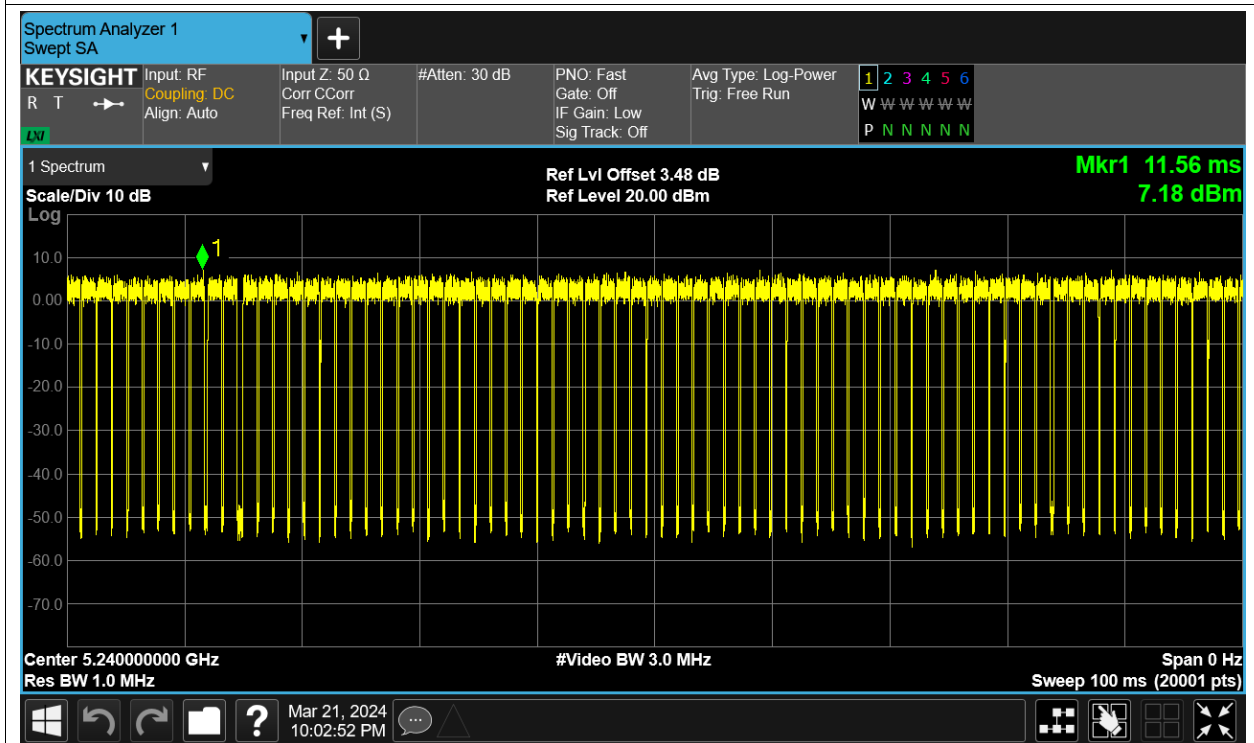
Duty Cycle NVNT n20 5180MHz Ant4



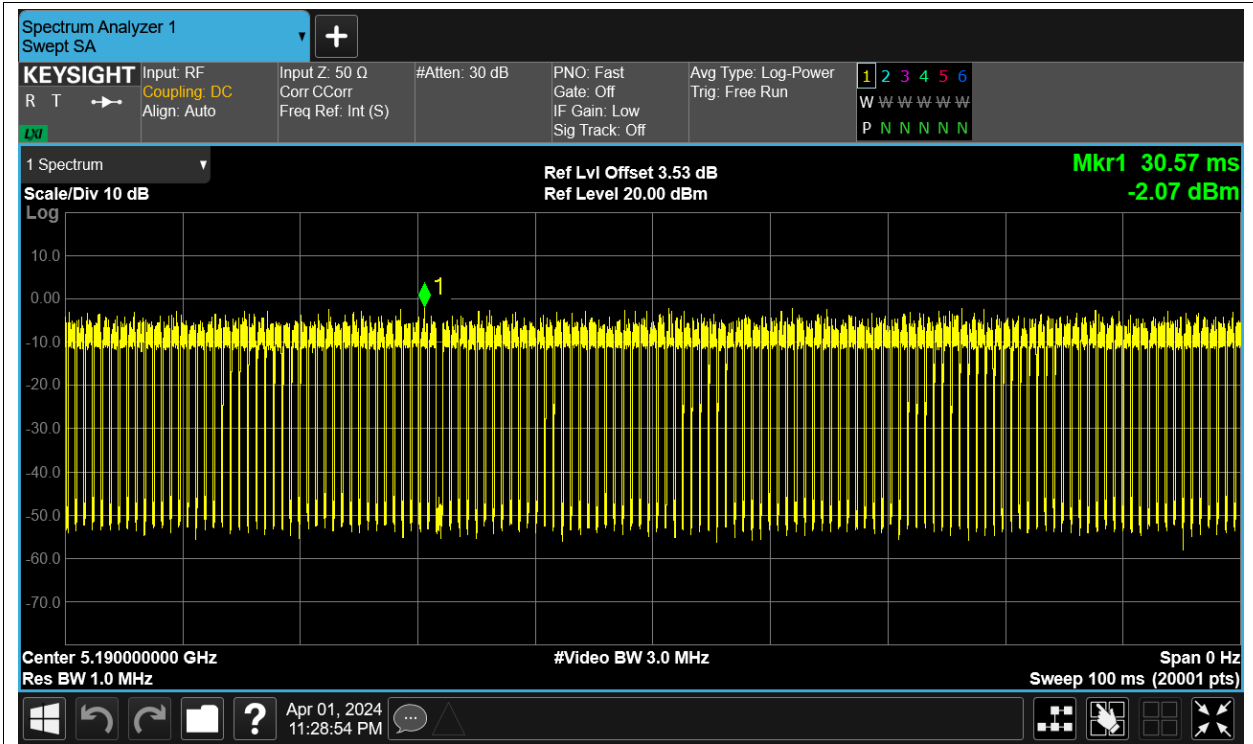
Duty Cycle NVNT n20 5200MHz Ant4



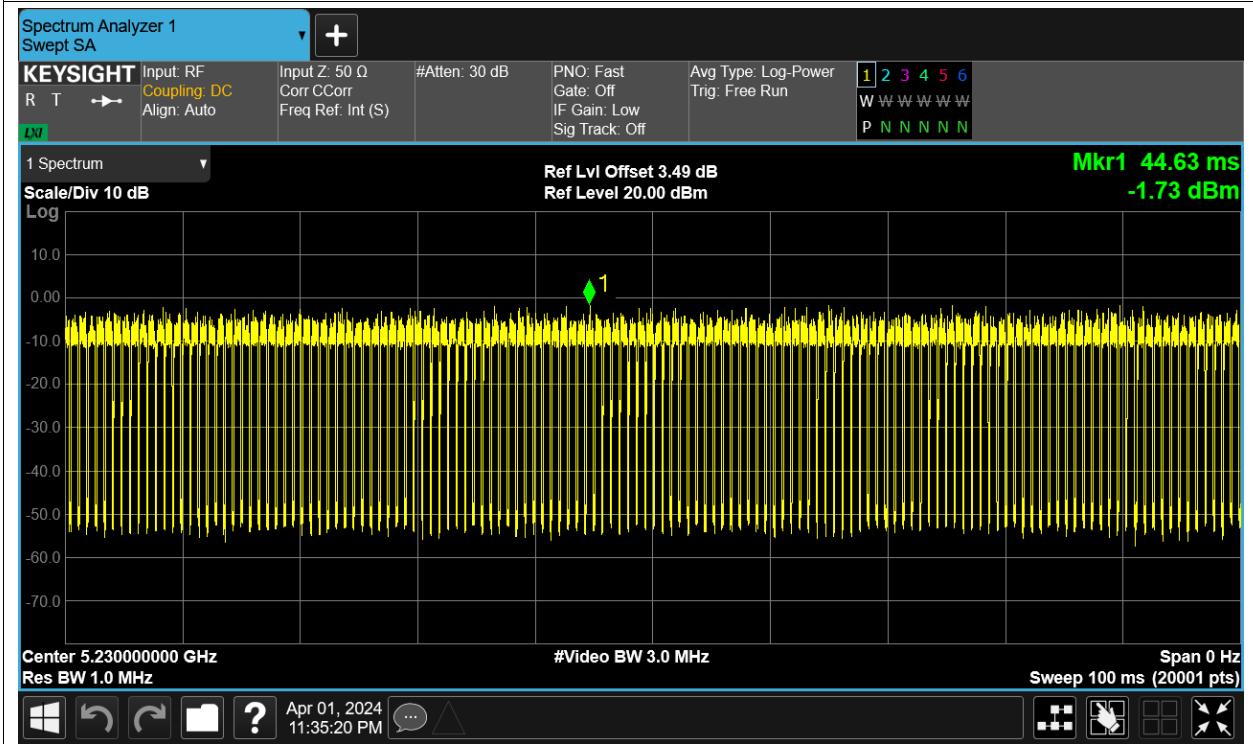
Duty Cycle NVNT n20 5240MHz Ant4



Duty Cycle NVNT n40 5190MHz Ant4



Duty Cycle NVNT n40 5230MHz Ant4



Maximum Conducted Output Power

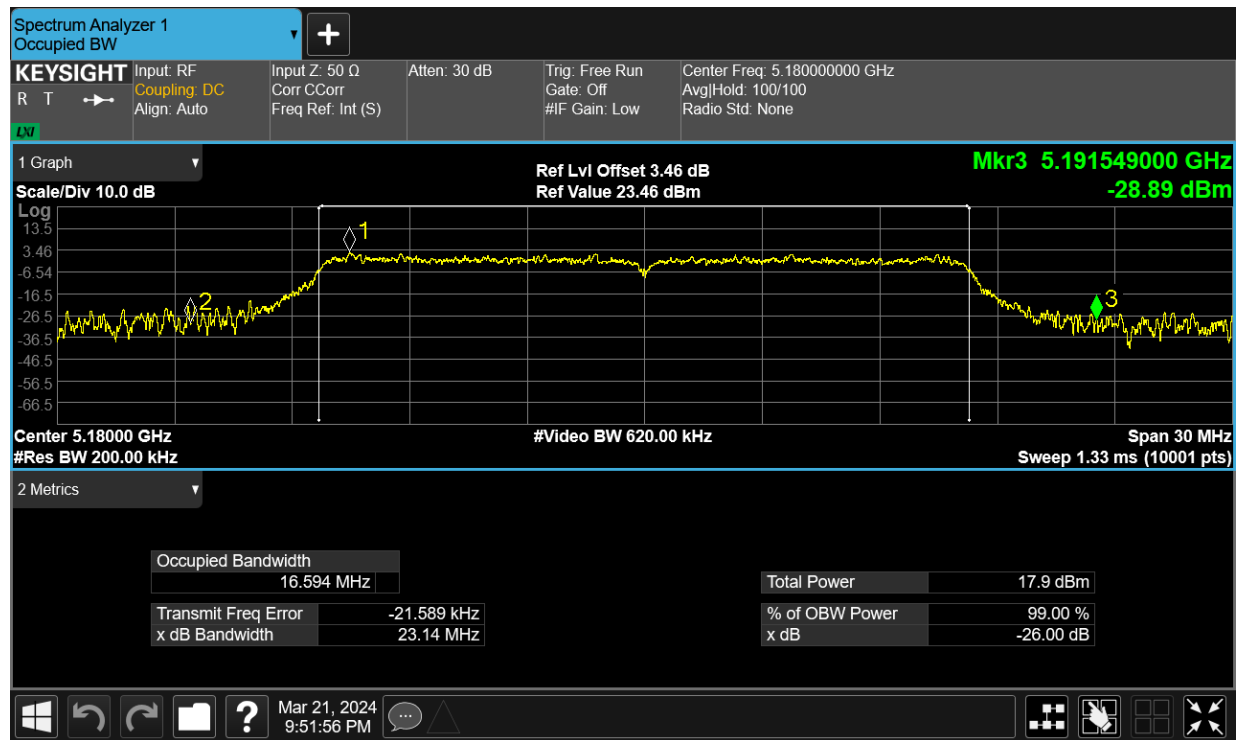
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant4	13.35	0.45	13.8	24	Pass
NVNT	a	5200	Ant4	12.55	0.42	12.97	24	Pass
NVNT	a	5240	Ant4	11.97	0.42	12.39	24	Pass
NVNT	ac20	5180	Ant4	12.62	0.6	13.22	24	Pass
NVNT	ac20	5200	Ant4	11.91	0.52	12.43	24	Pass
NVNT	ac20	5240	Ant4	11.29	0.53	11.82	24	Pass
NVNT	ac40	5190	Ant4	6.5	0.96	7.46	24	Pass
NVNT	ac40	5230	Ant4	6.89	0.93	7.82	24	Pass
NVNT	ac80	5210	Ant4	5.96	1.78	7.74	24	Pass
NVNT	n20	5180	Ant4	13.22	0.54	13.76	24	Pass
NVNT	n20	5200	Ant4	13.21	0.53	13.74	24	Pass
NVNT	n20	5240	Ant4	12.27	0.53	12.8	24	Pass
NVNT	n40	5190	Ant4	6.68	0.93	7.61	24	Pass
NVNT	n40	5230	Ant4	6.56	0.91	7.47	24	Pass

-26dB Bandwidth

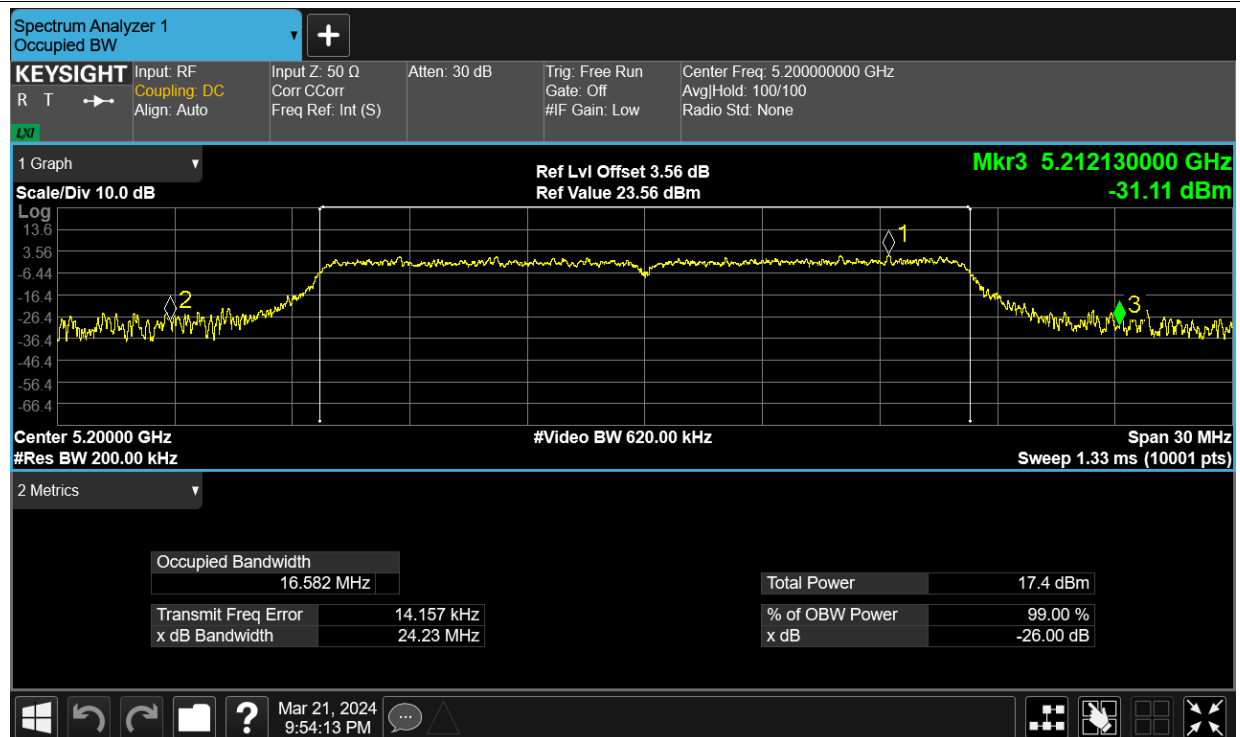
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant4	23.141
NVNT	a	5200	Ant4	24.231
NVNT	a	5240	Ant4	19.59
NVNT	ac20	5180	Ant4	25.081
NVNT	ac20	5200	Ant4	28.166
NVNT	ac20	5240	Ant4	26.802
NVNT	ac40	5190	Ant4	53.442
NVNT	ac40	5230	Ant4	54.695
NVNT	ac80	5210	Ant4	77.797
NVNT	n20	5180	Ant4	28.418
NVNT	n20	5200	Ant4	29.844
NVNT	n20	5240	Ant4	26.466
NVNT	n40	5190	Ant4	57.4
NVNT	n40	5230	Ant4	58.491

Test Graphs

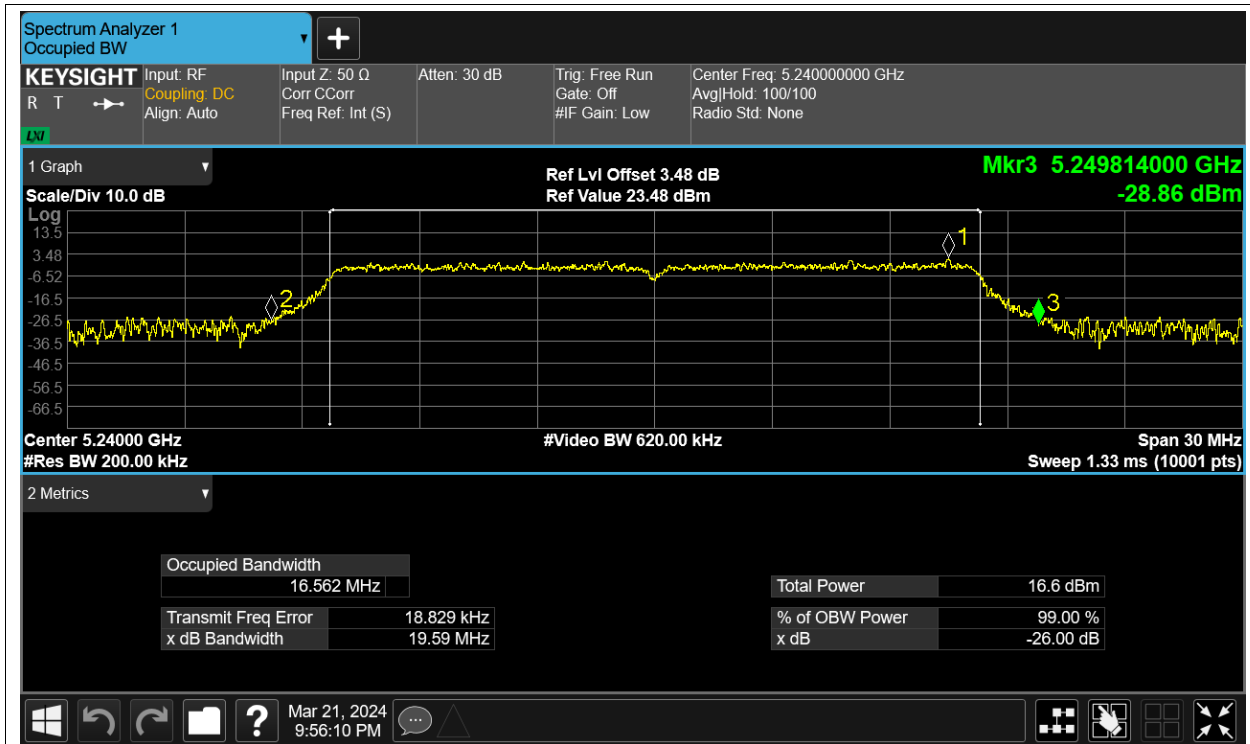
-26dB Bandwidth NVNT a 5180MHz Ant4



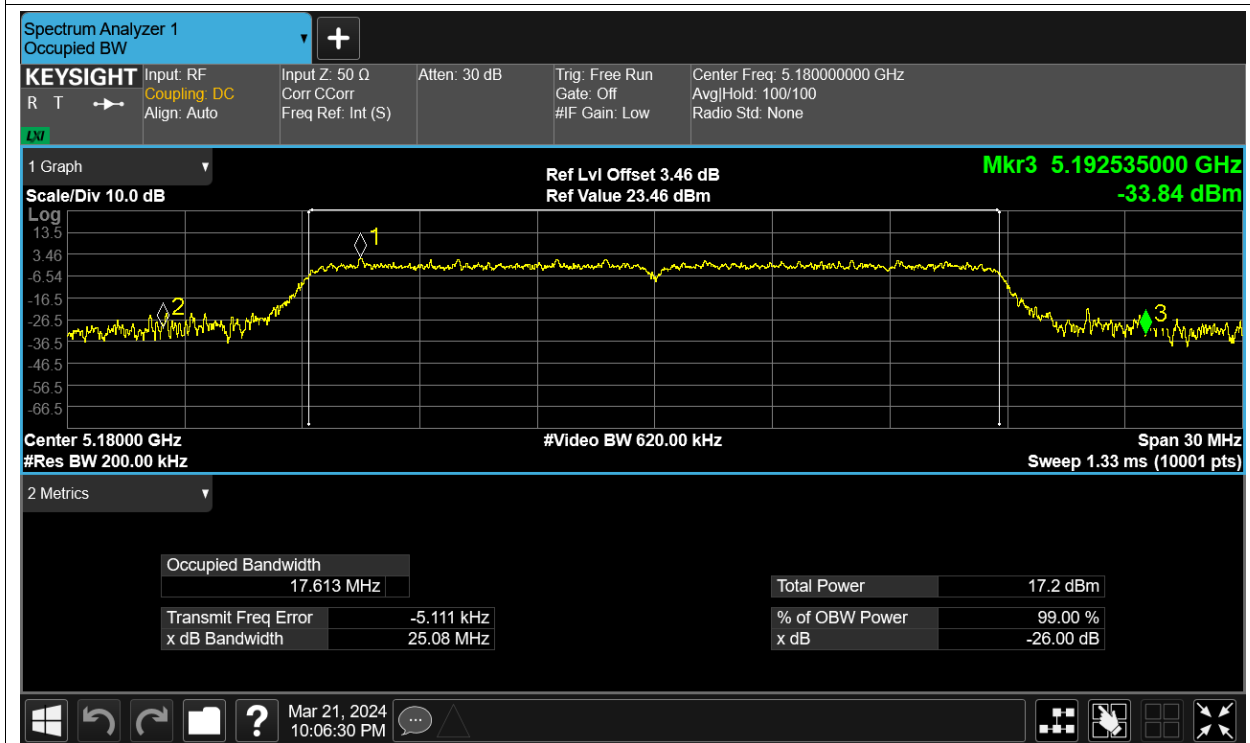
-26dB Bandwidth NVNT a 5200MHz Ant4



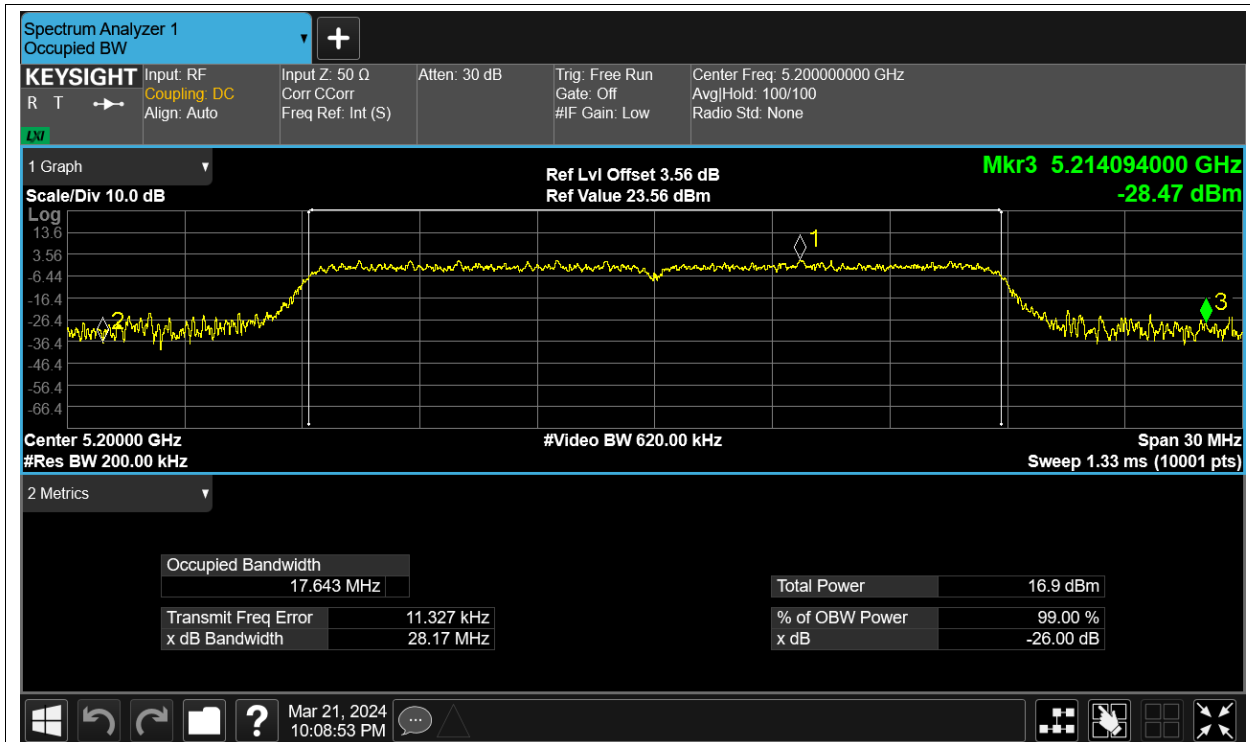
-26dB Bandwidth NVNT a 5240MHz Ant4



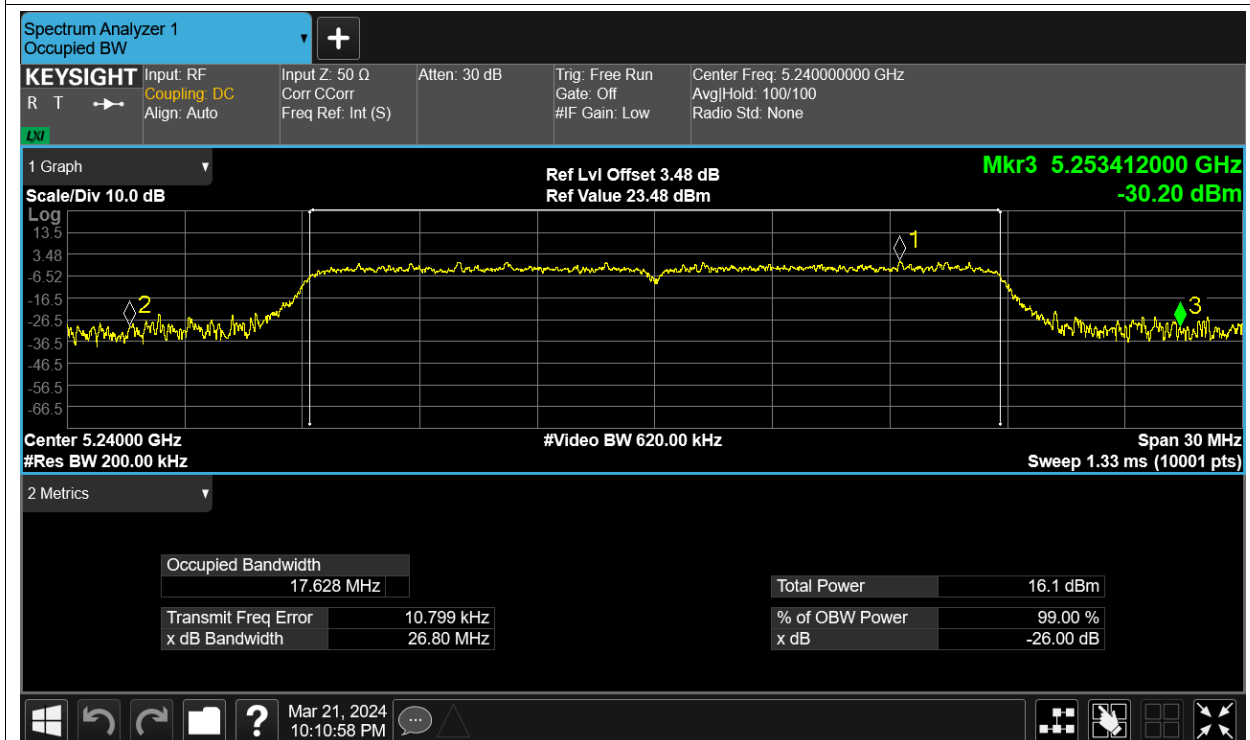
-26dB Bandwidth NVNT ac20 5180MHz Ant4



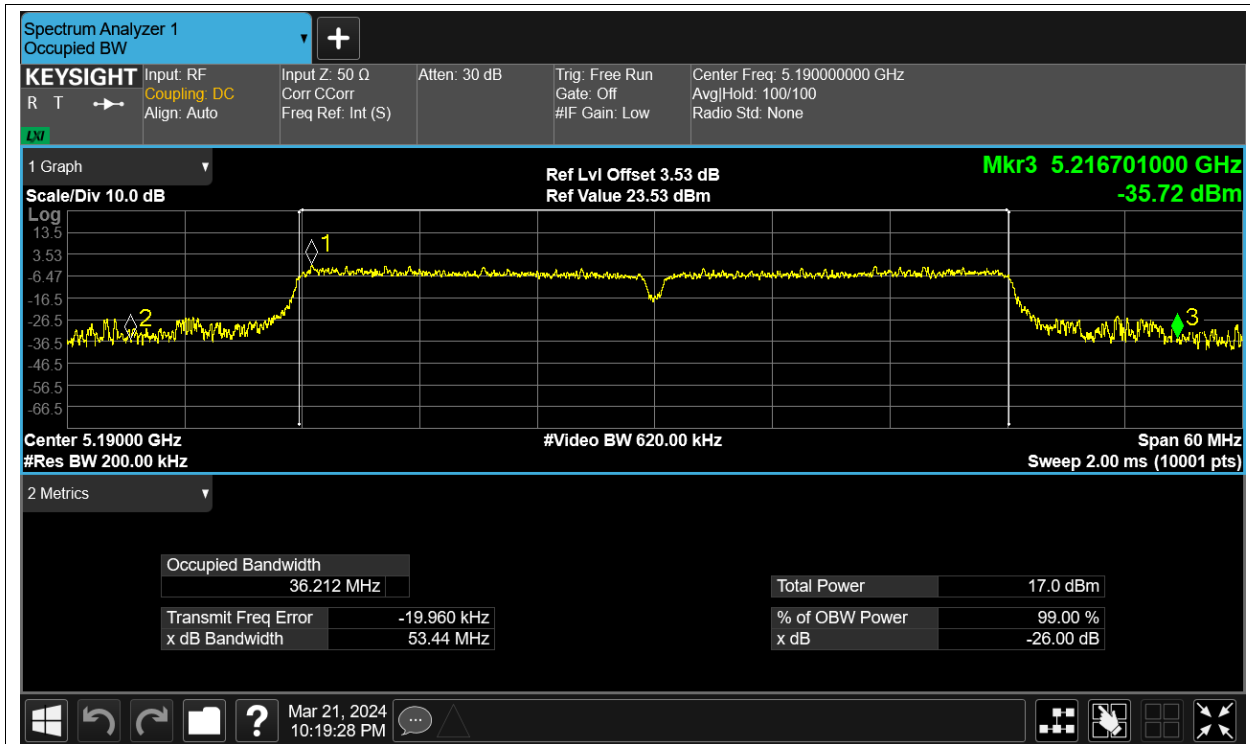
-26dB Bandwidth NVNT ac20 5200MHz Ant4



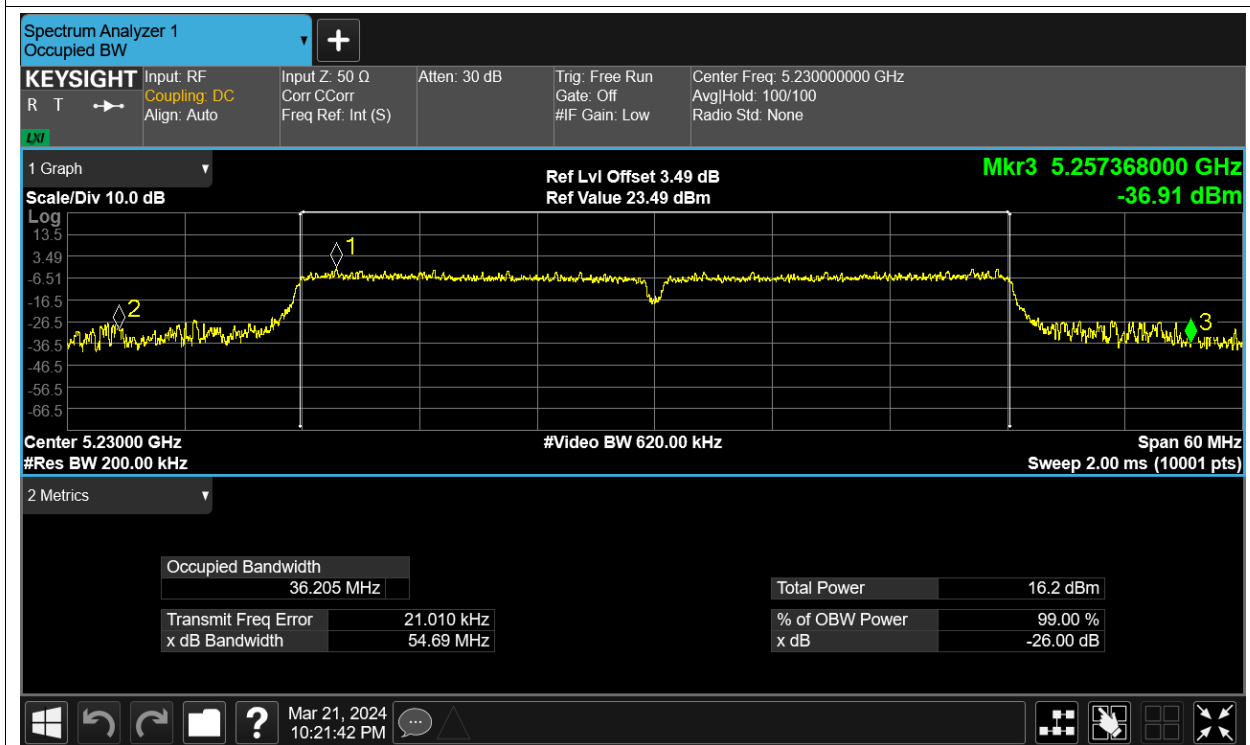
-26dB Bandwidth NVNT ac20 5240MHz Ant4



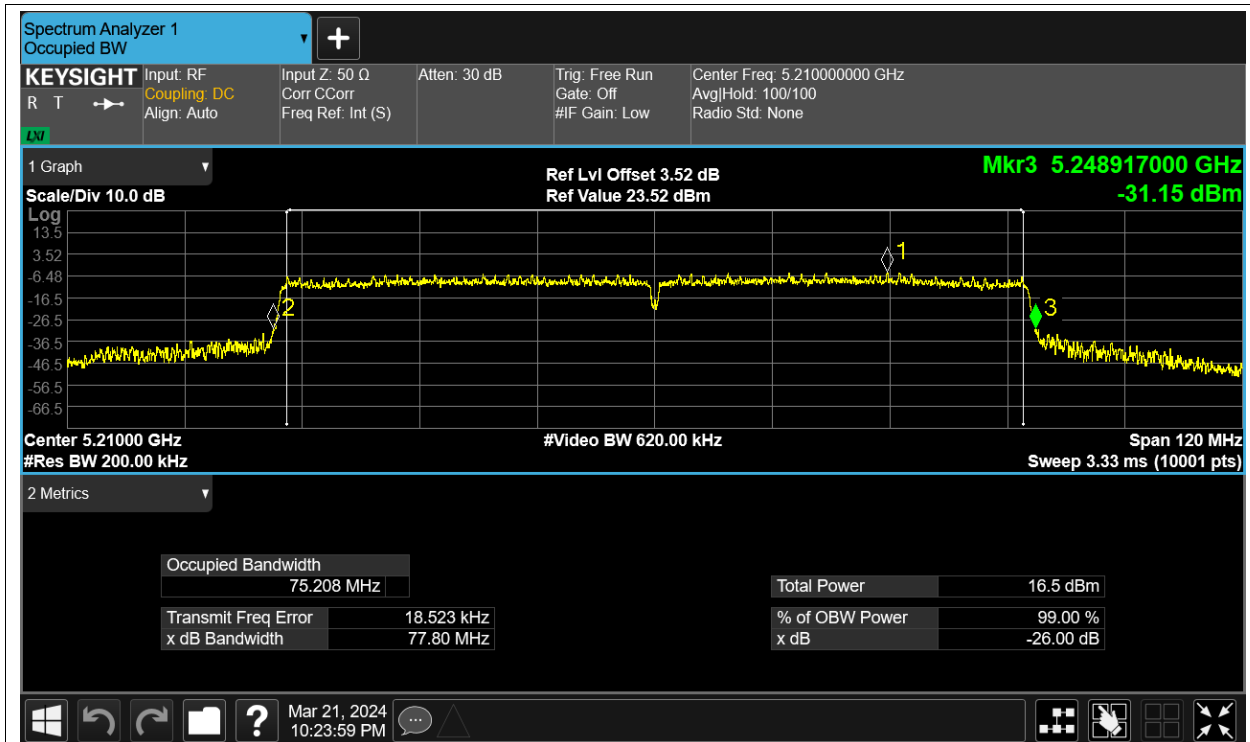
-26dB Bandwidth NVNT ac40 5190MHz Ant4



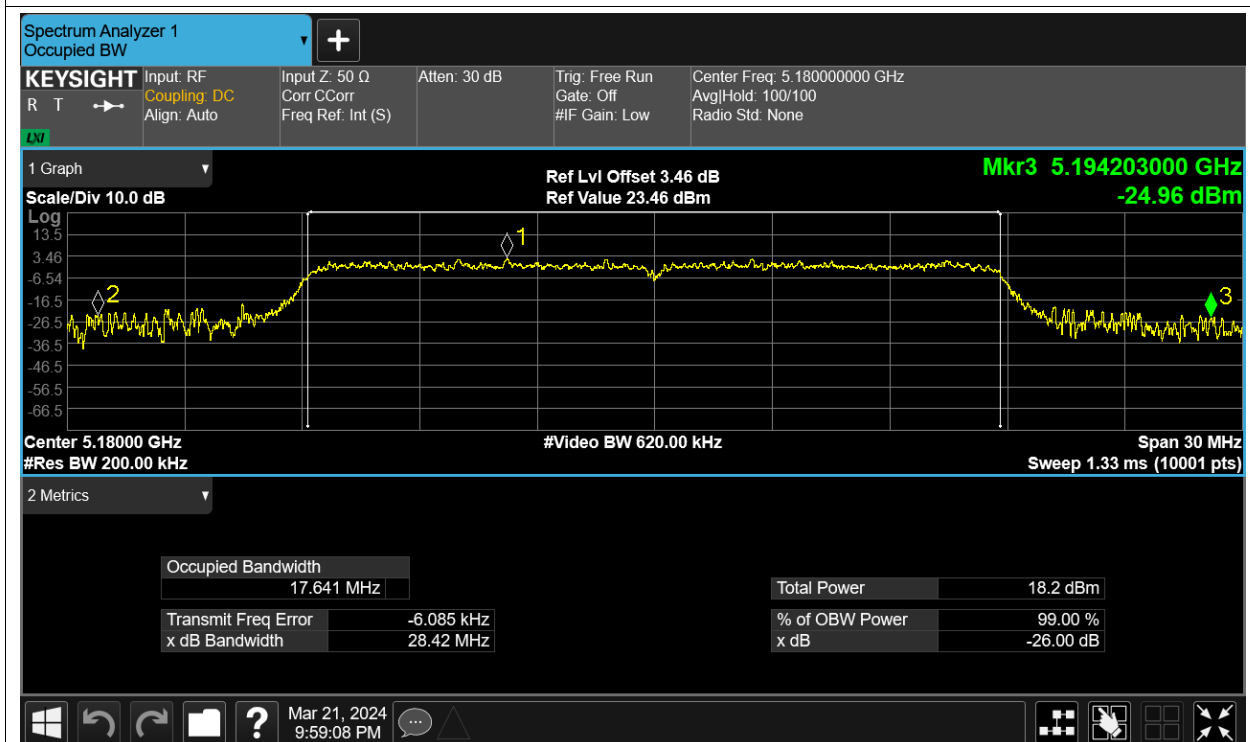
-26dB Bandwidth NVNT ac40 5230MHz Ant4



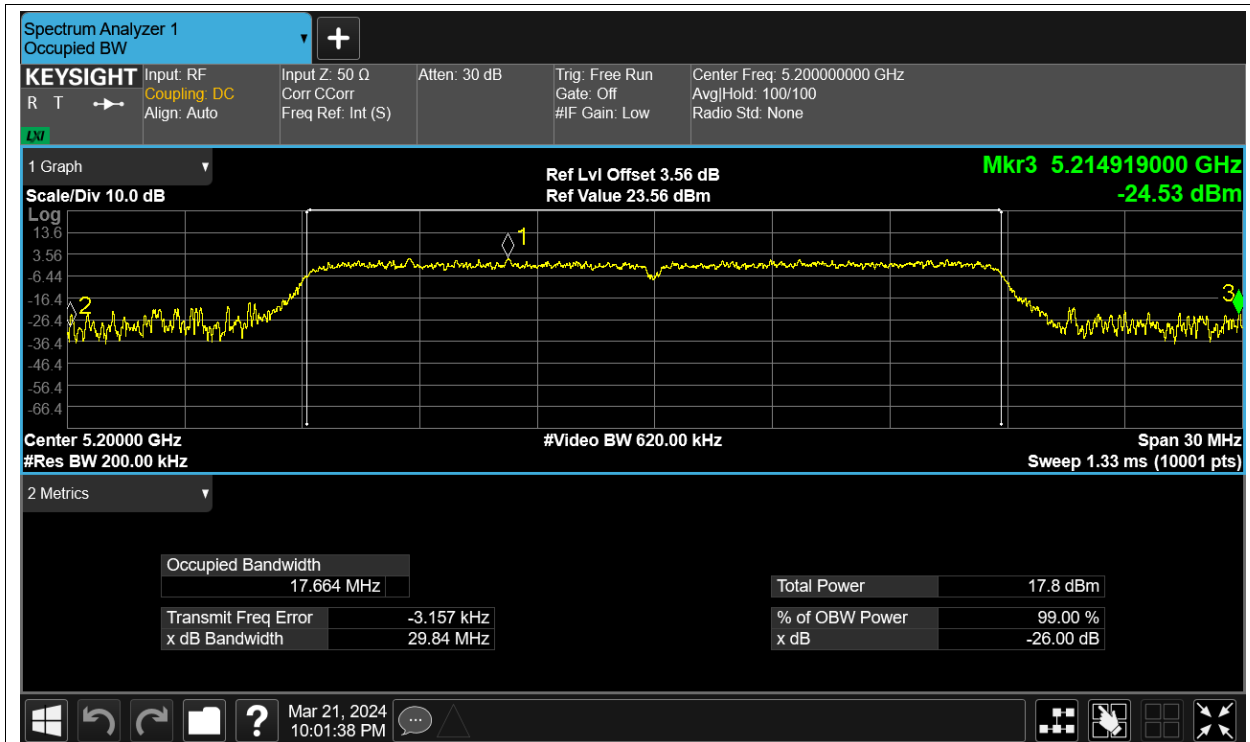
-26dB Bandwidth NVNT ac80 5210MHz Ant4



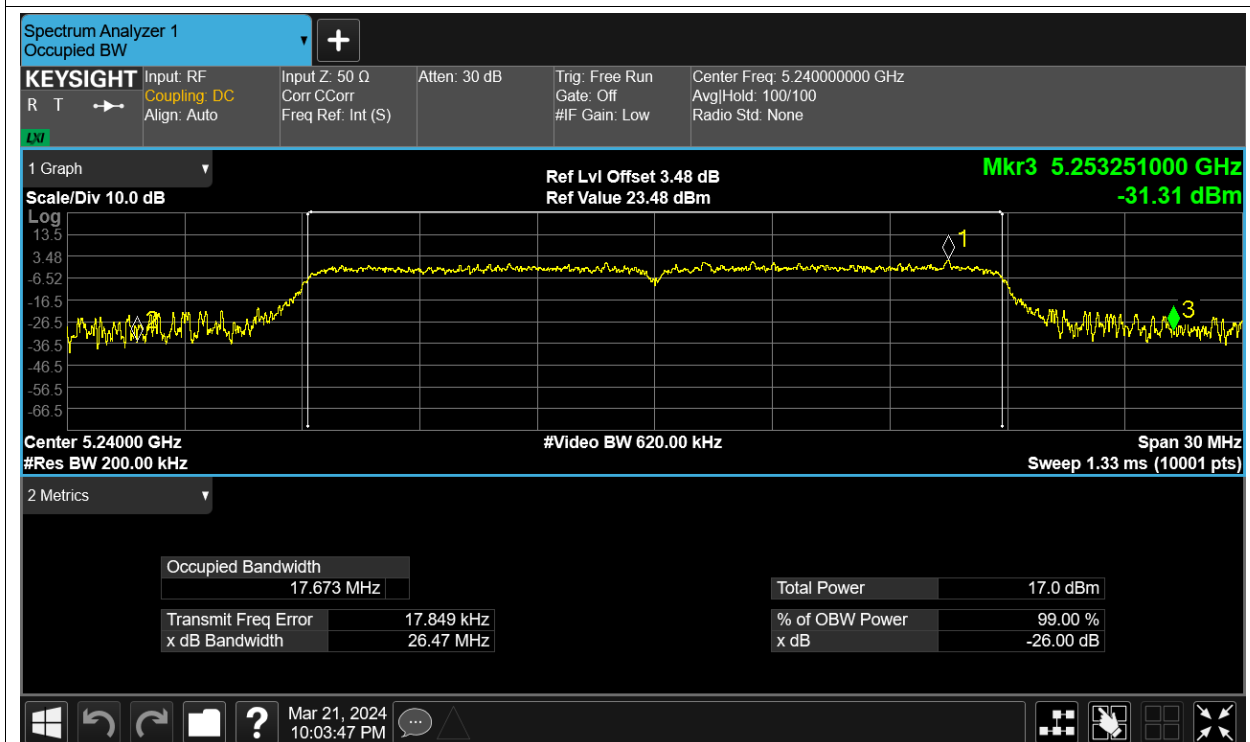
-26dB Bandwidth NVNT n20 5180MHz Ant4



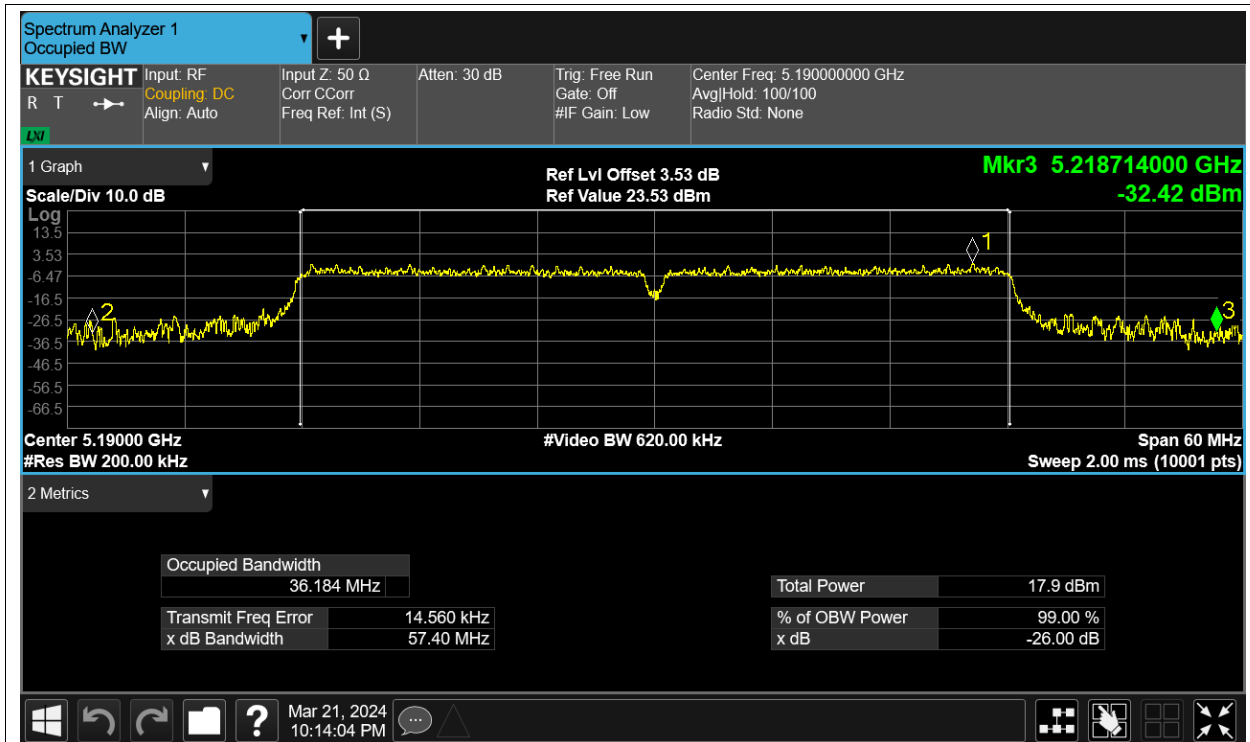
-26dB Bandwidth NVNT n20 5200MHz Ant4



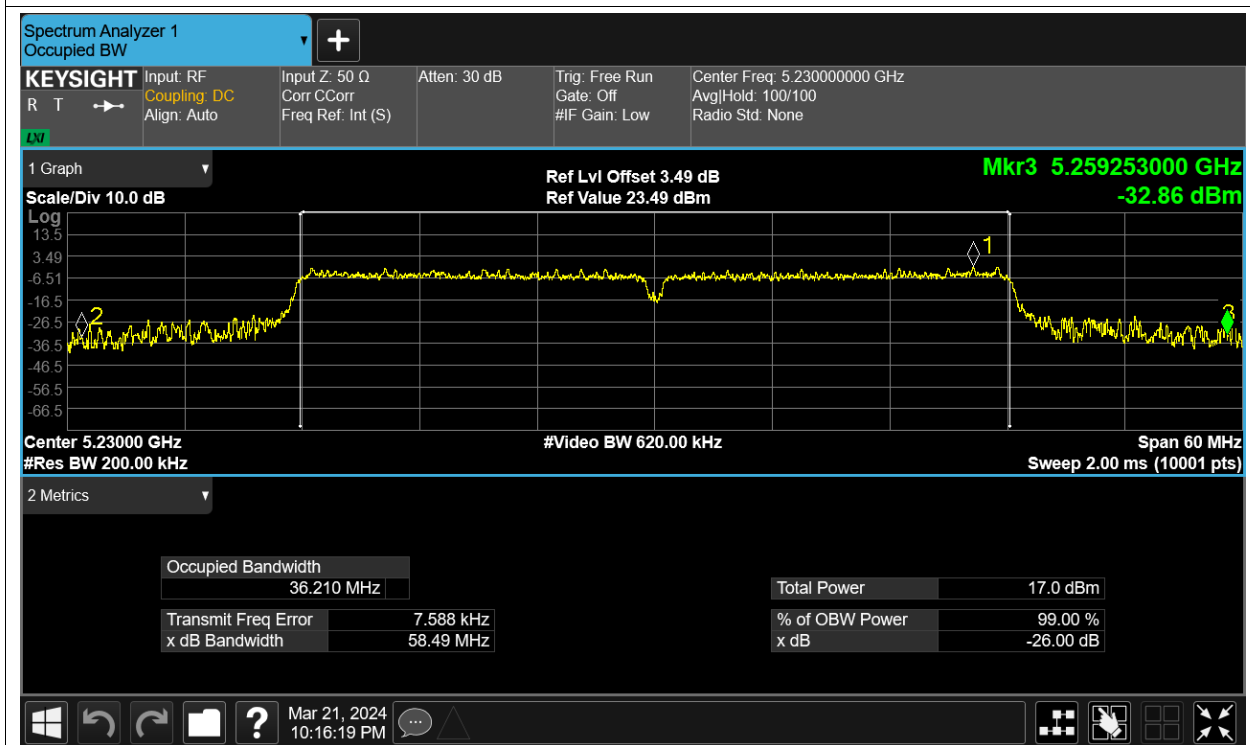
-26dB Bandwidth NVNT n20 5240MHz Ant4



-26dB Bandwidth NVNT n40 5190MHz Ant4



-26dB Bandwidth NVNT n40 5230MHz Ant4

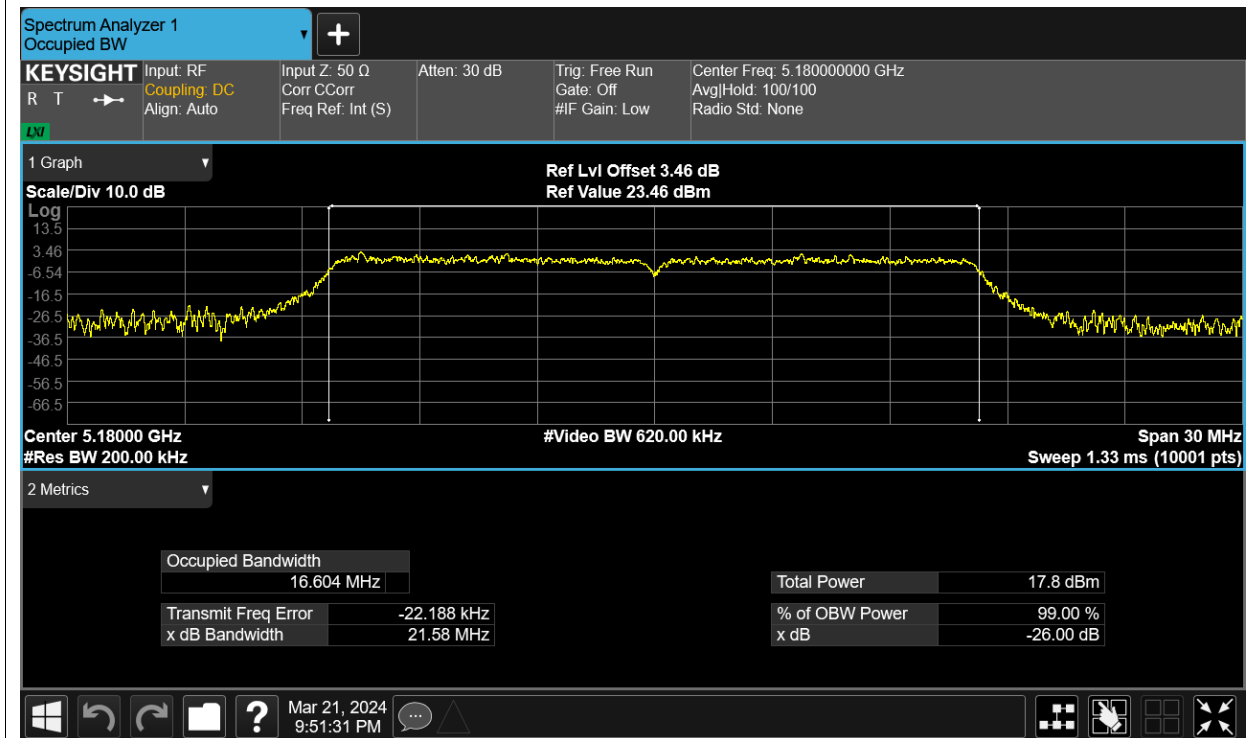


Occupied Channel Bandwidth

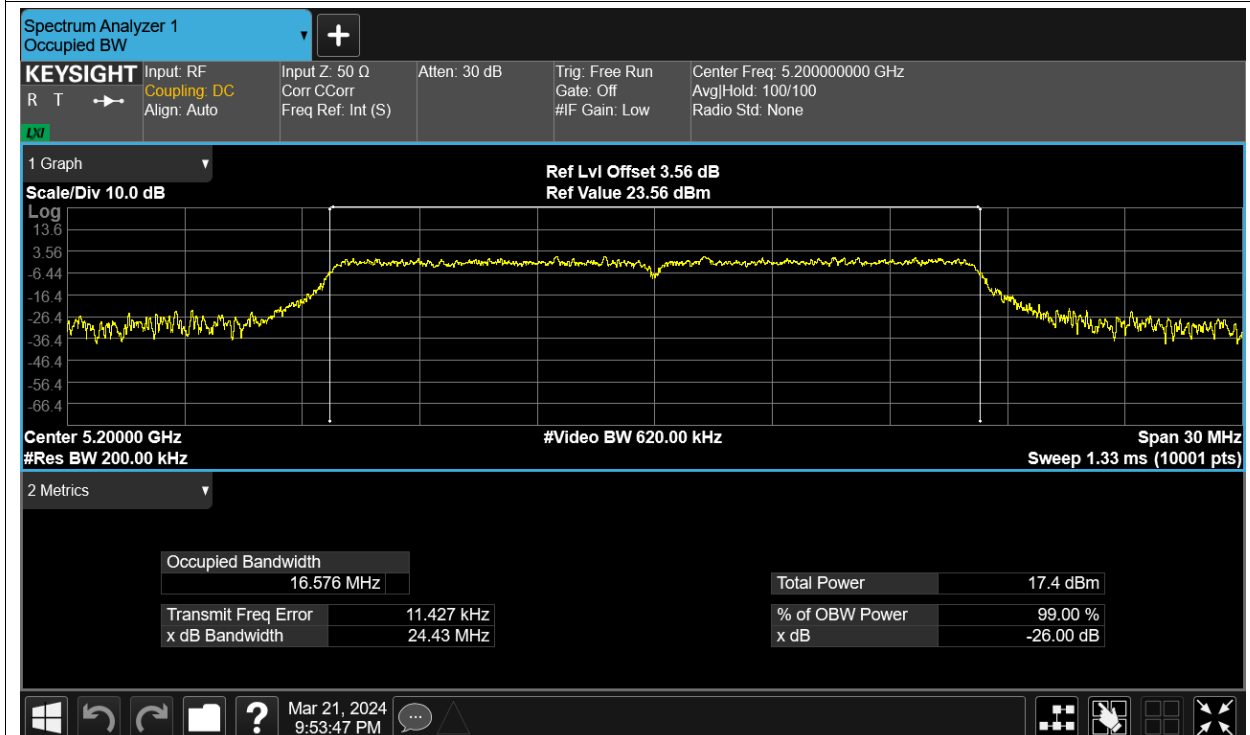
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant4	16.604
NVNT	a	5200	Ant4	16.576
NVNT	a	5240	Ant4	16.573
NVNT	ac20	5180	Ant4	17.62
NVNT	ac20	5200	Ant4	17.638
NVNT	ac20	5240	Ant4	17.66
NVNT	ac40	5190	Ant4	36.481
NVNT	ac40	5230	Ant4	36.372
NVNT	ac80	5210	Ant4	75.307
NVNT	n20	5180	Ant4	17.647
NVNT	n20	5200	Ant4	17.667
NVNT	n20	5240	Ant4	17.678
NVNT	n40	5190	Ant4	36.385
NVNT	n40	5230	Ant4	36.429

Test Graphs

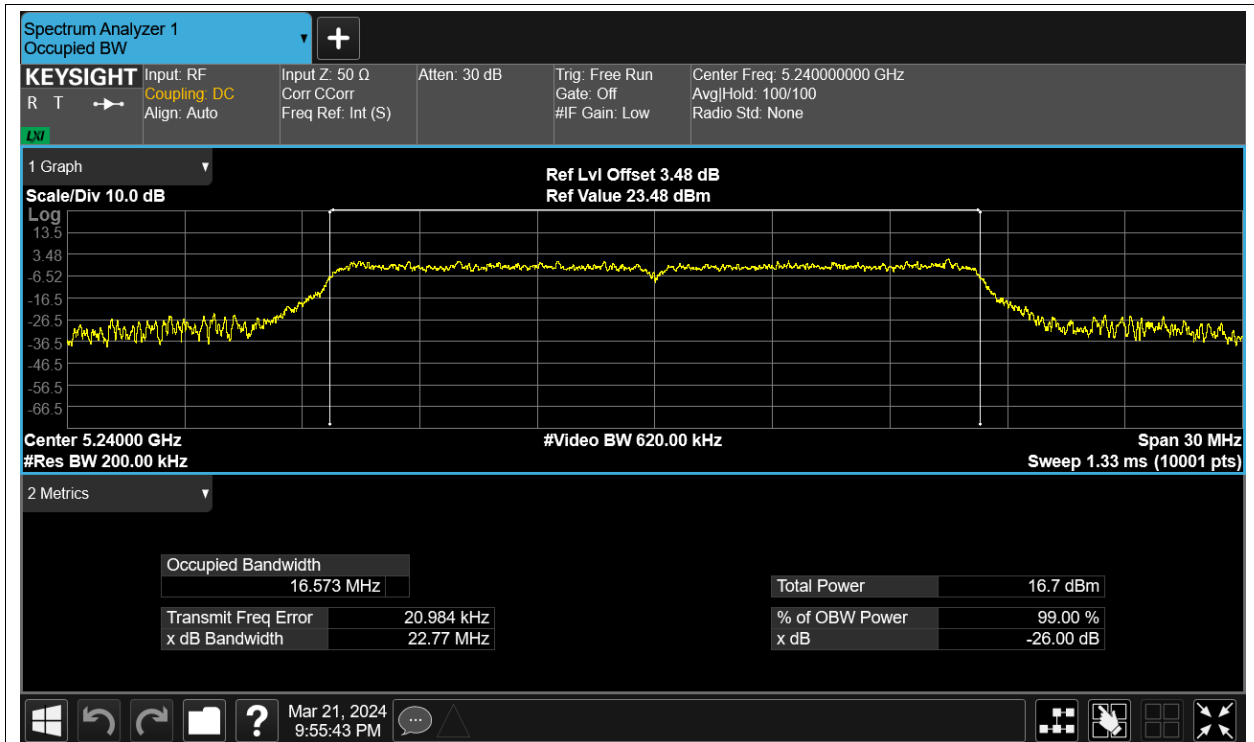
OBW NVNT a 5180MHz Ant4



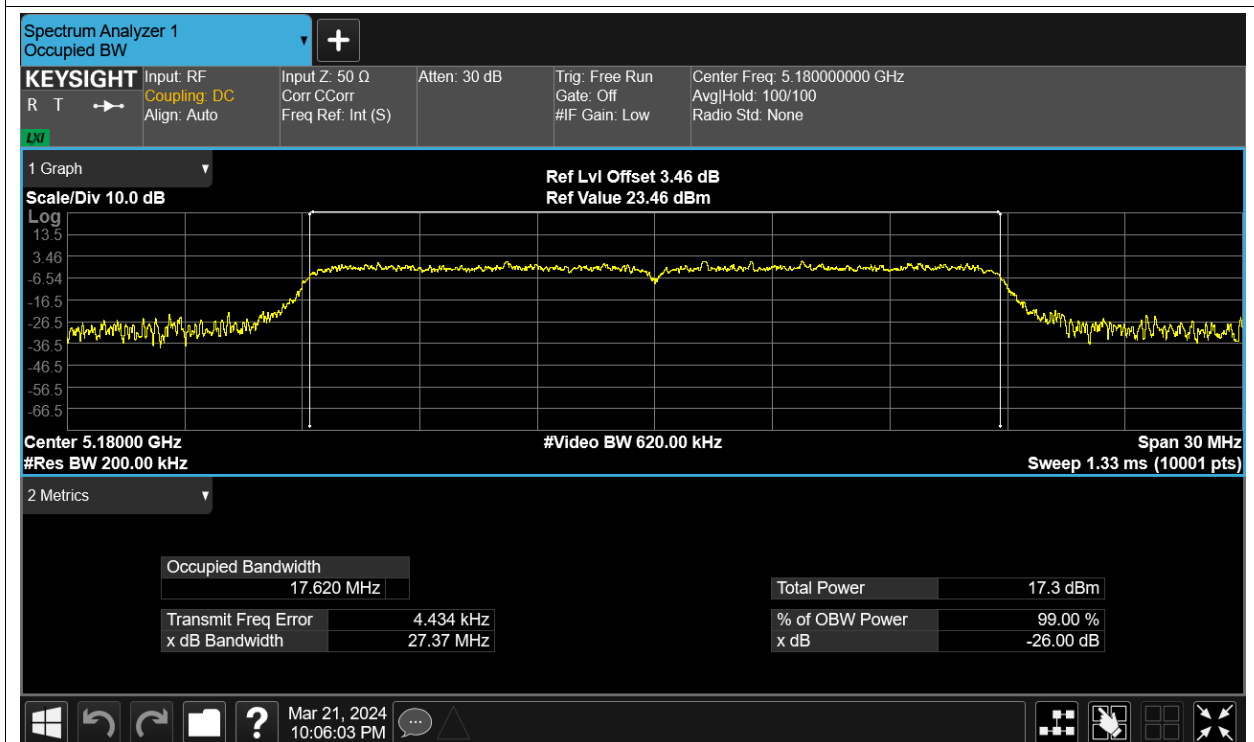
OBW NVNT a 5200MHz Ant4



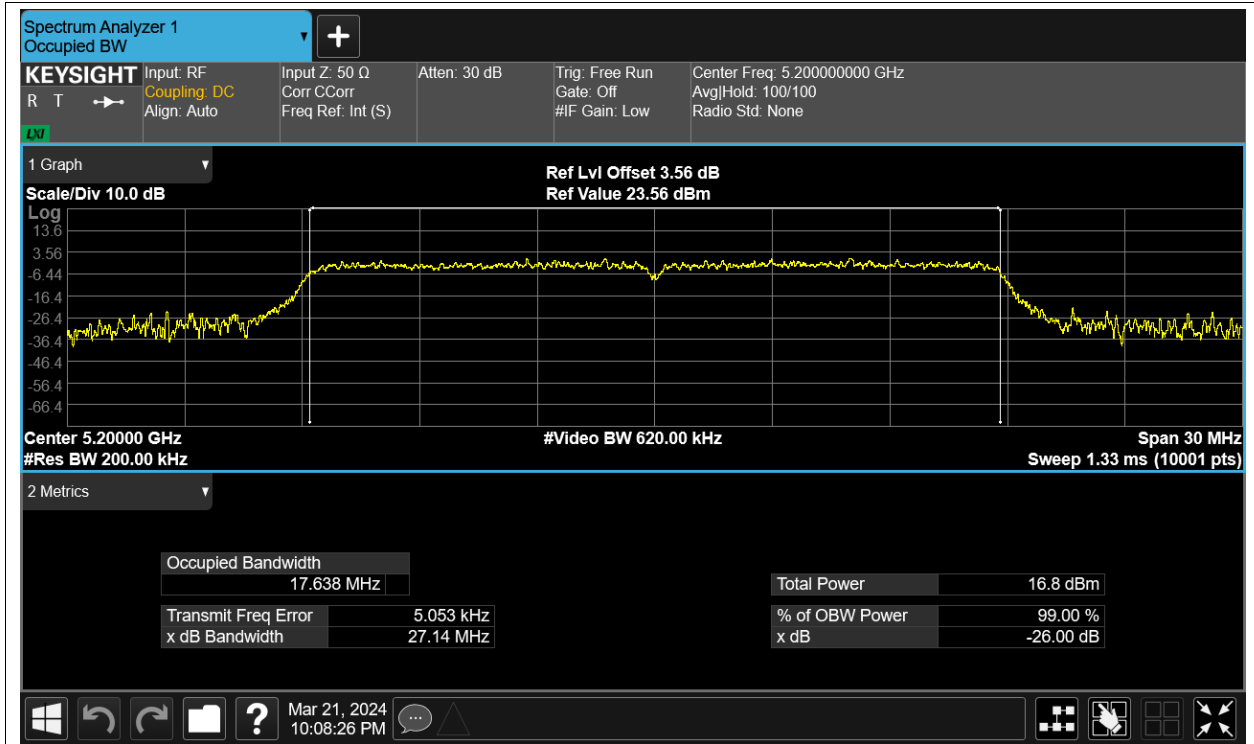
OBW NVNT a 5240MHz Ant4



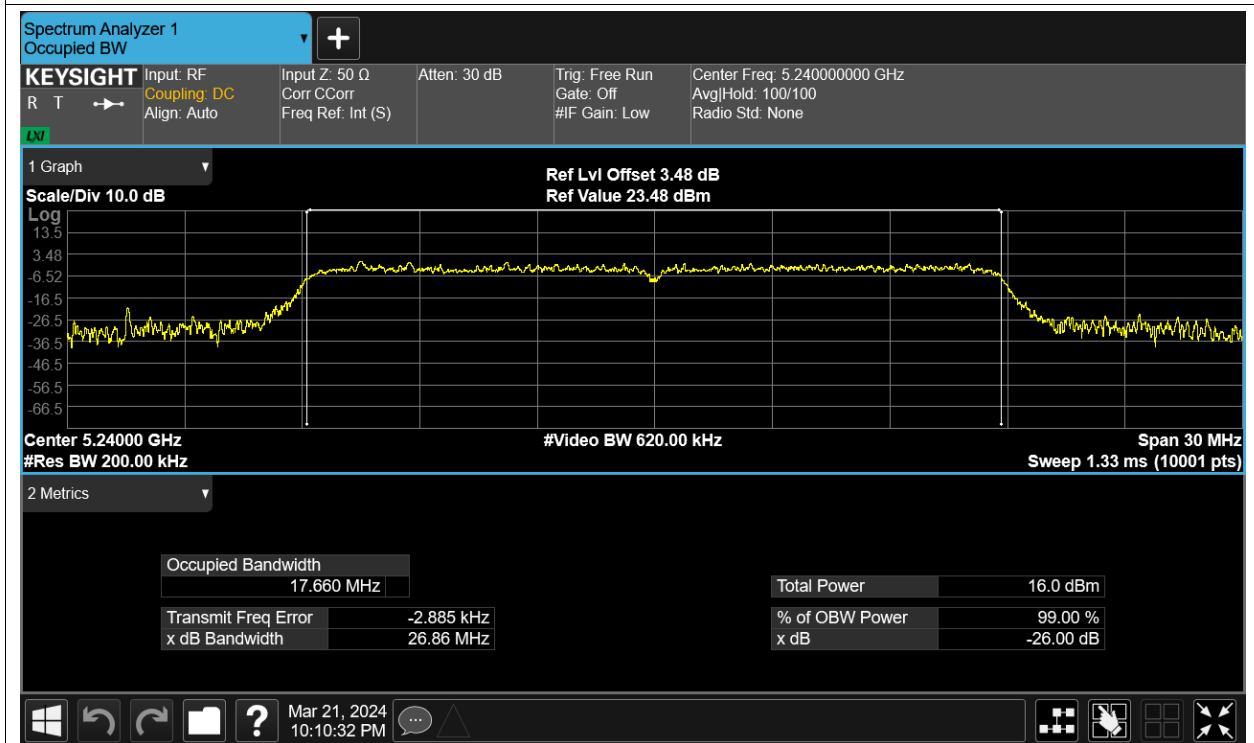
OBW NVNT ac20 5180MHz Ant4



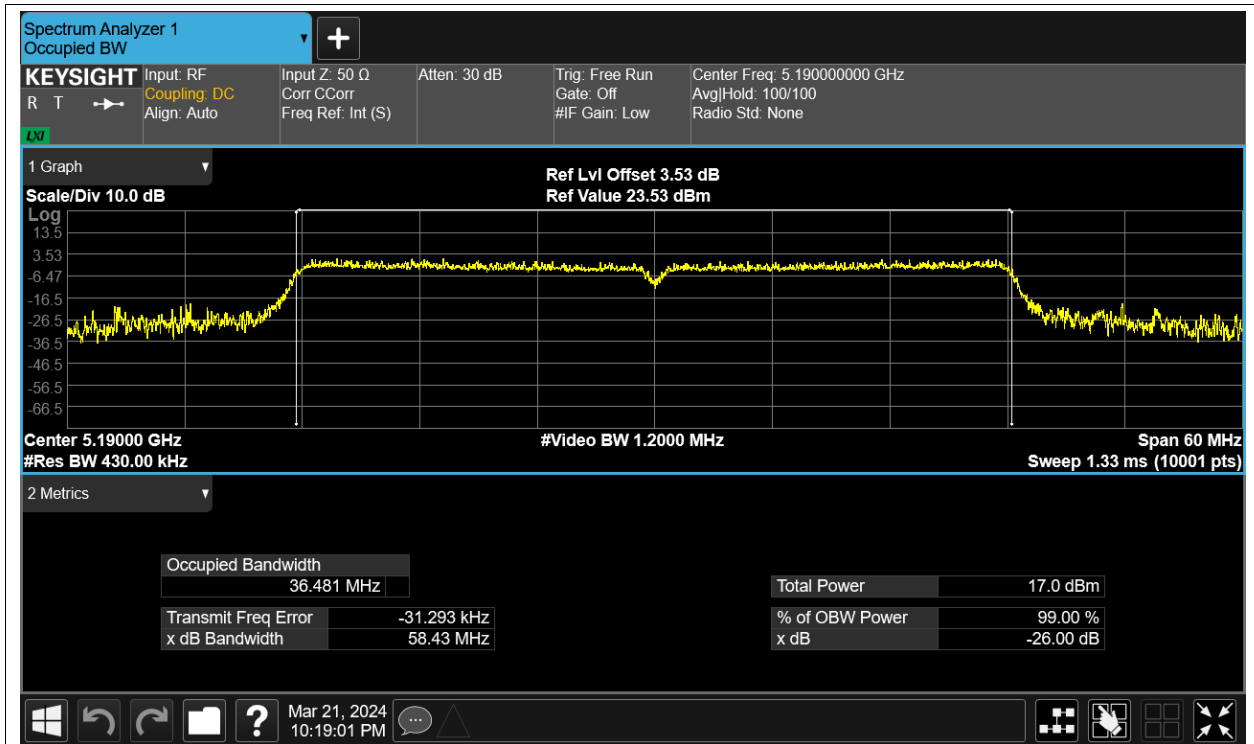
OBW NVNT ac20 5200MHz Ant4



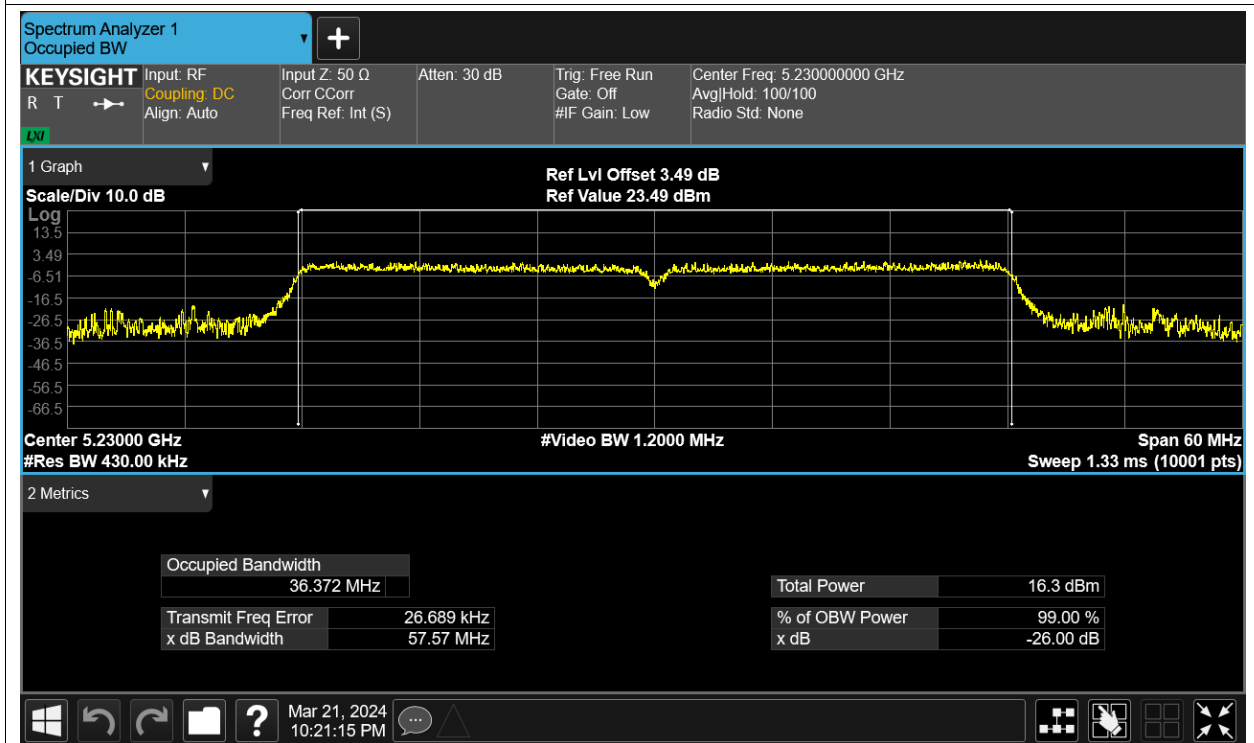
OBW NVNT ac20 5240MHz Ant4



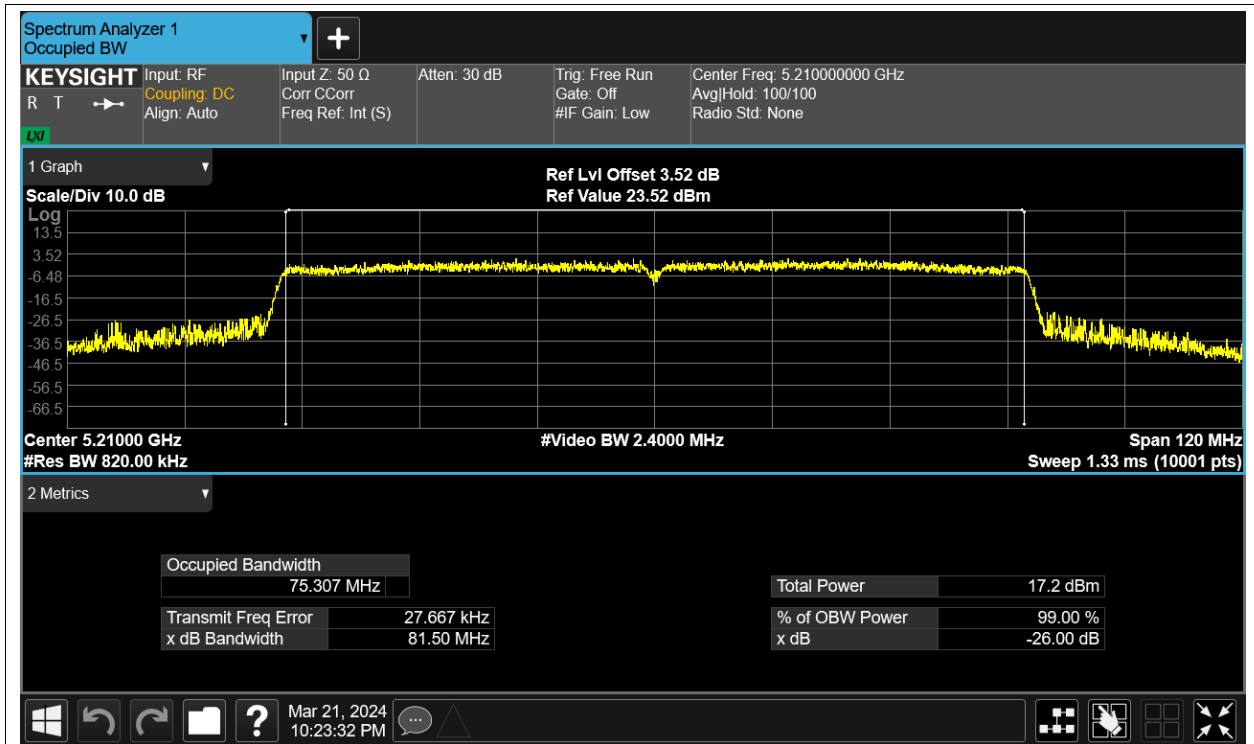
OBW NVNT ac40 5190MHz Ant4



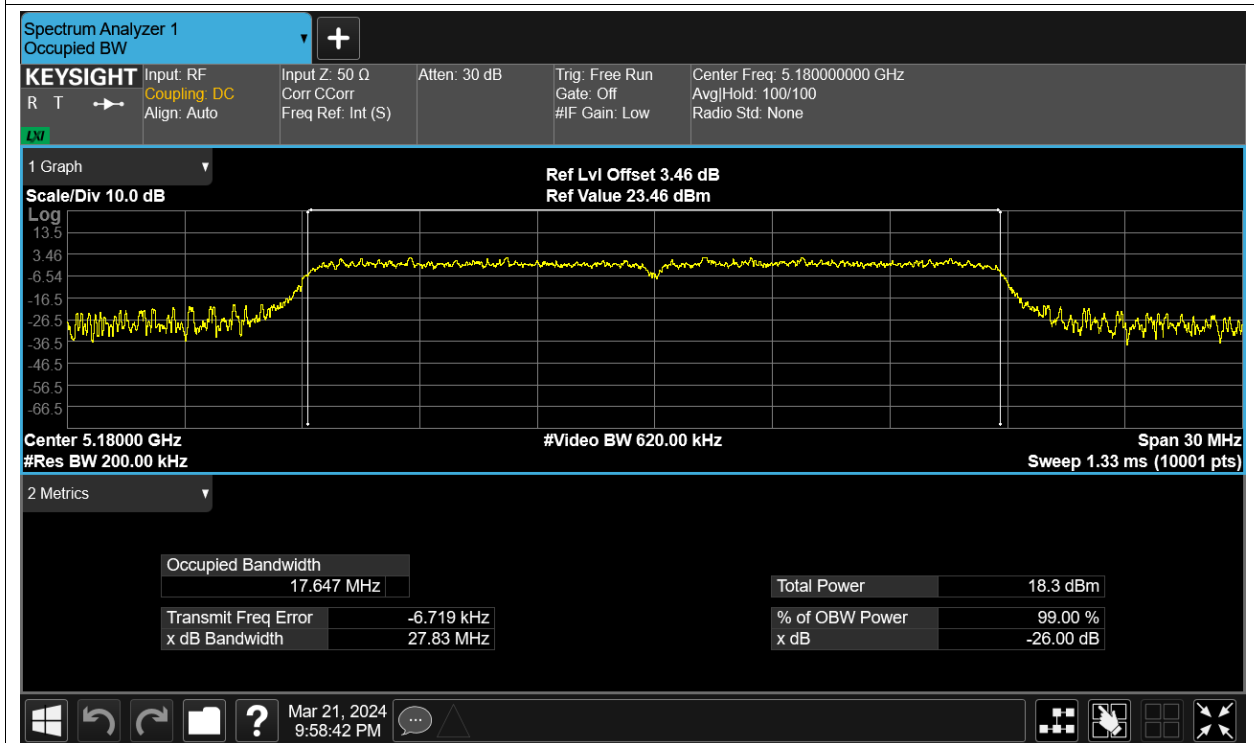
OBW NVNT ac40 5230MHz Ant4



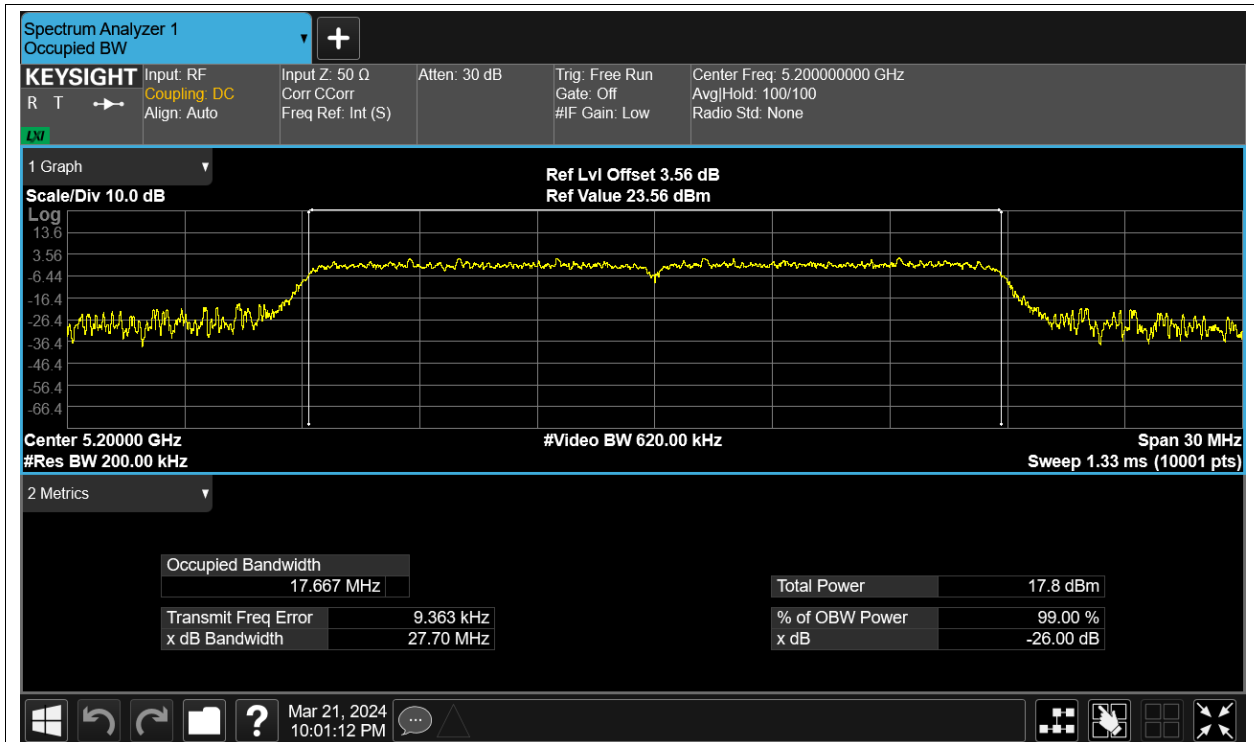
OBW NVNT ac80 5210MHz Ant4



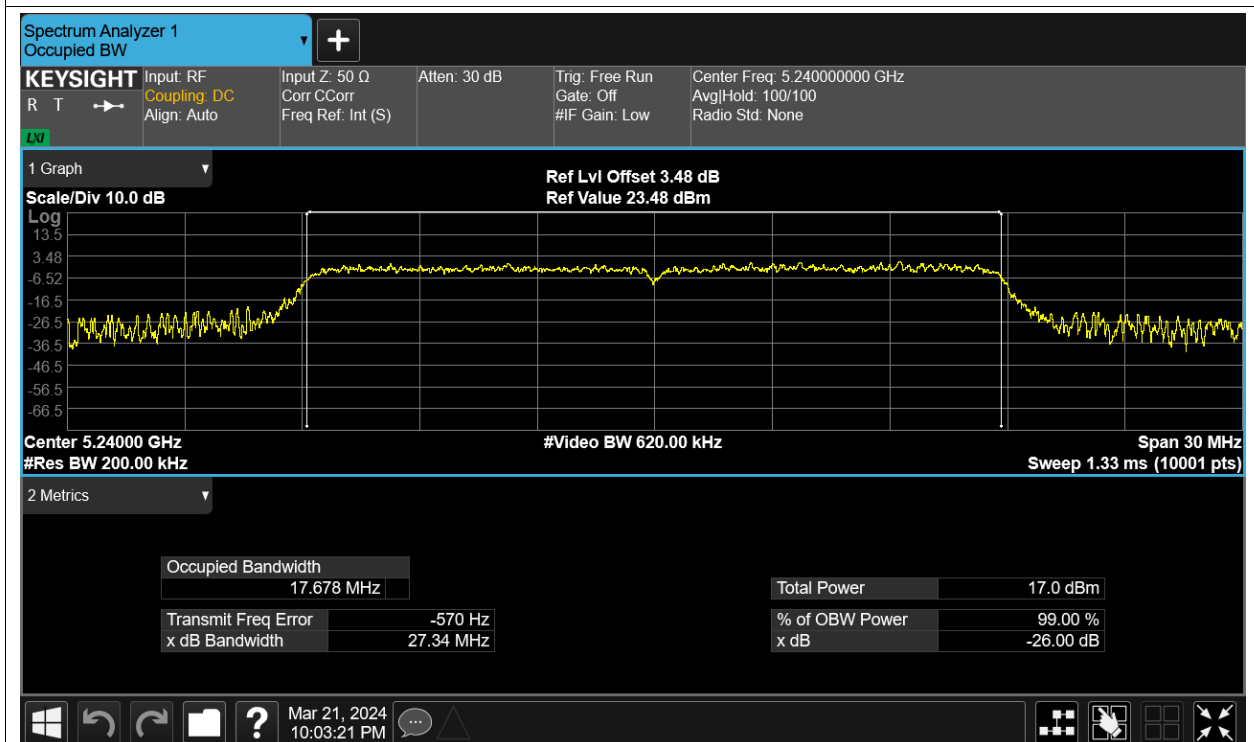
OBW NVNT n20 5180MHz Ant4



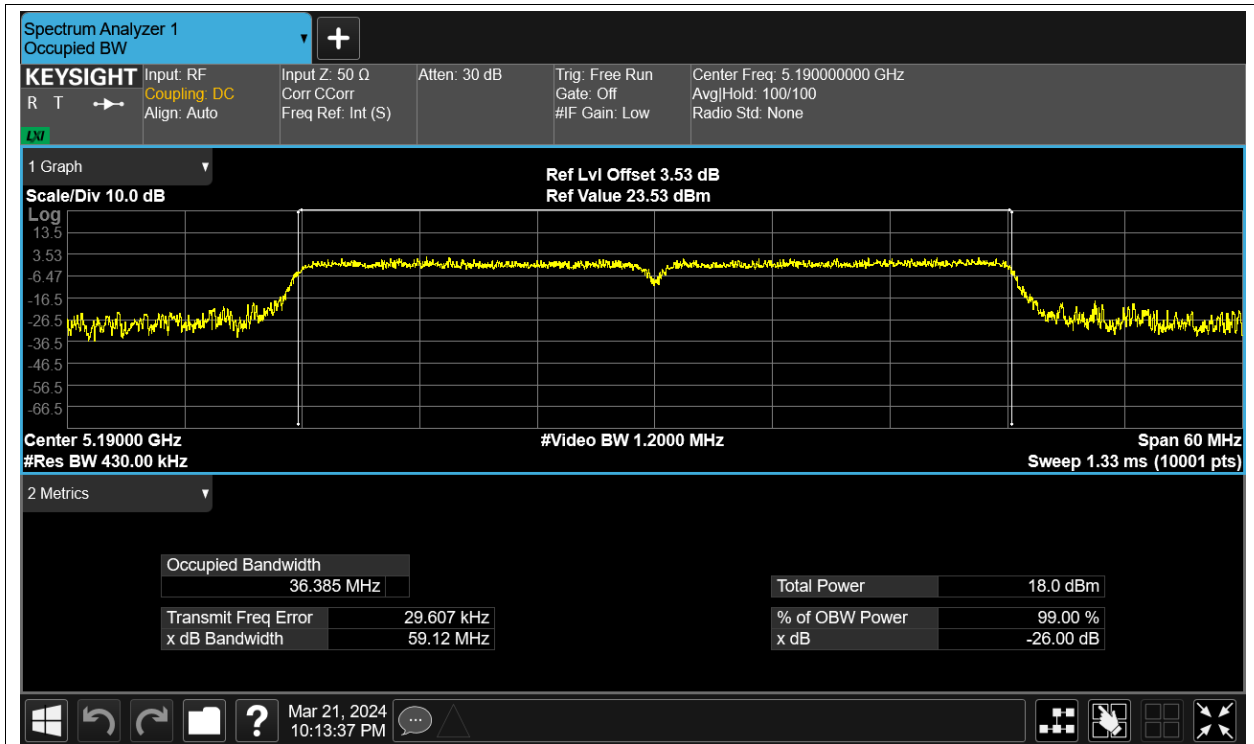
OBW NVNT n20 5200MHz Ant4



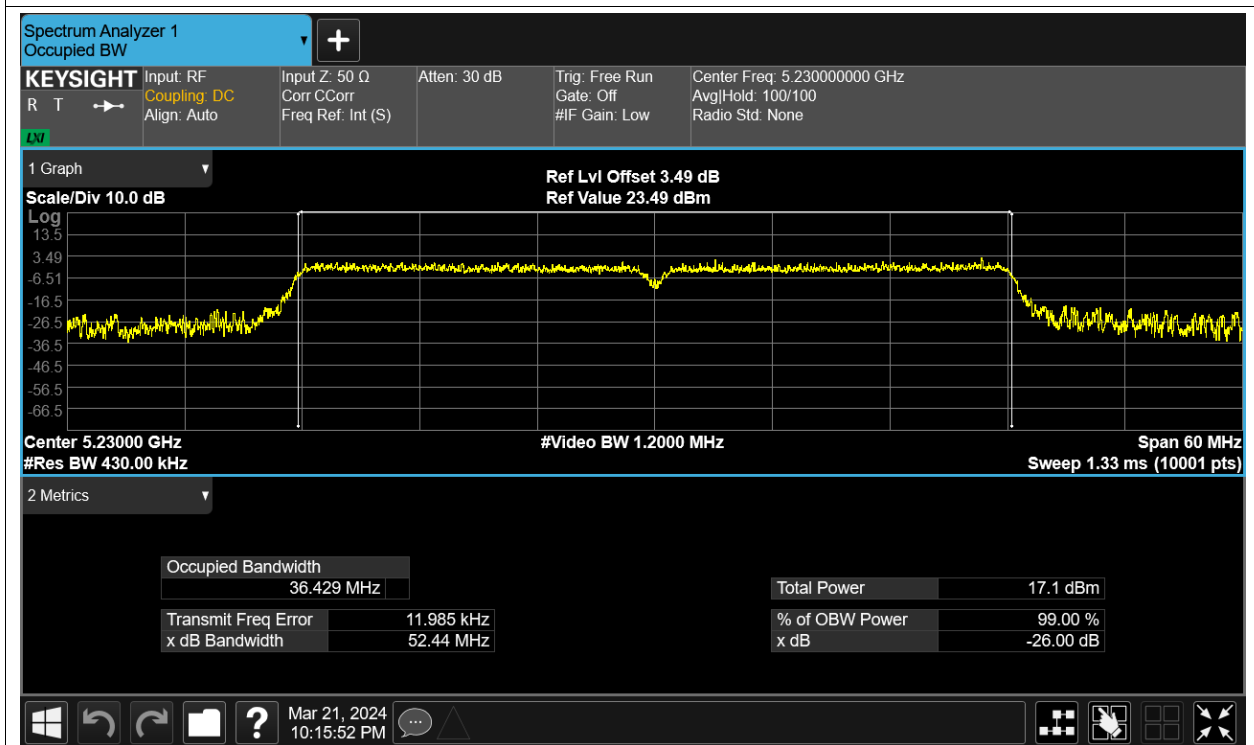
OBW NVNT n20 5240MHz Ant4



OBW NVNT n40 5190MHz Ant4



OBW NVNT n40 5230MHz Ant4

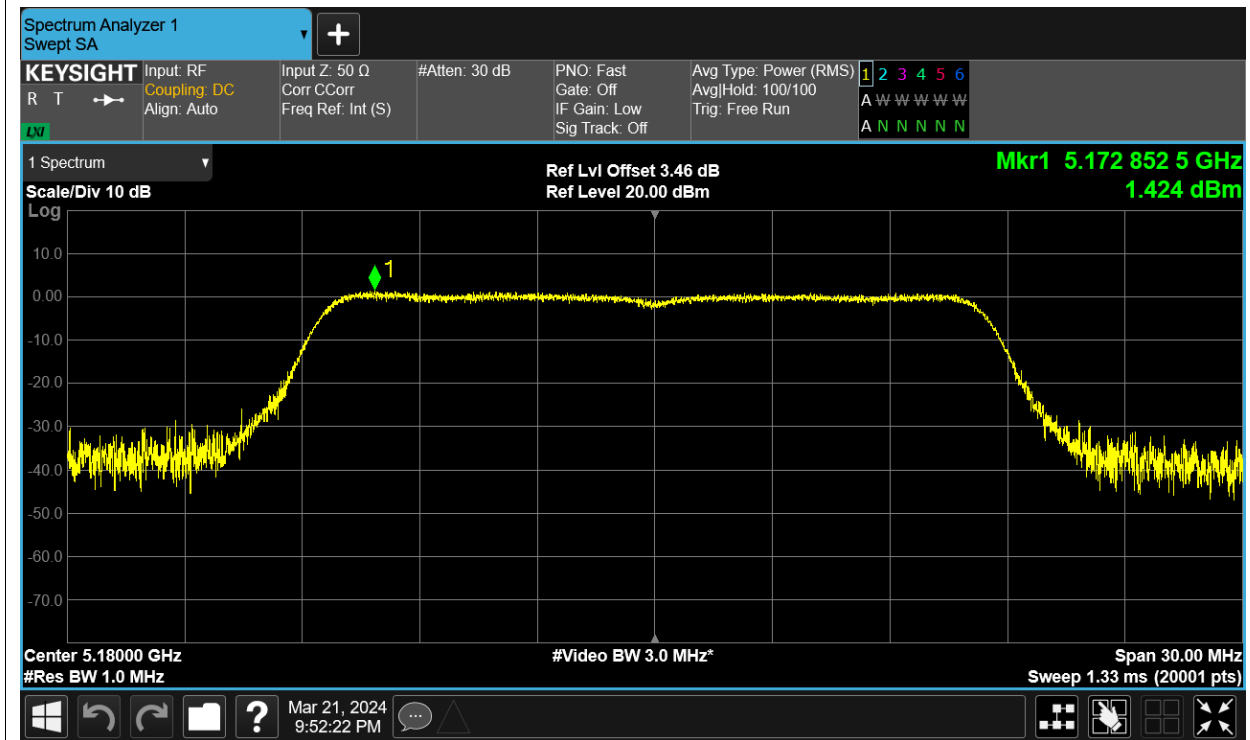


Maximum Power Spectral Density Level

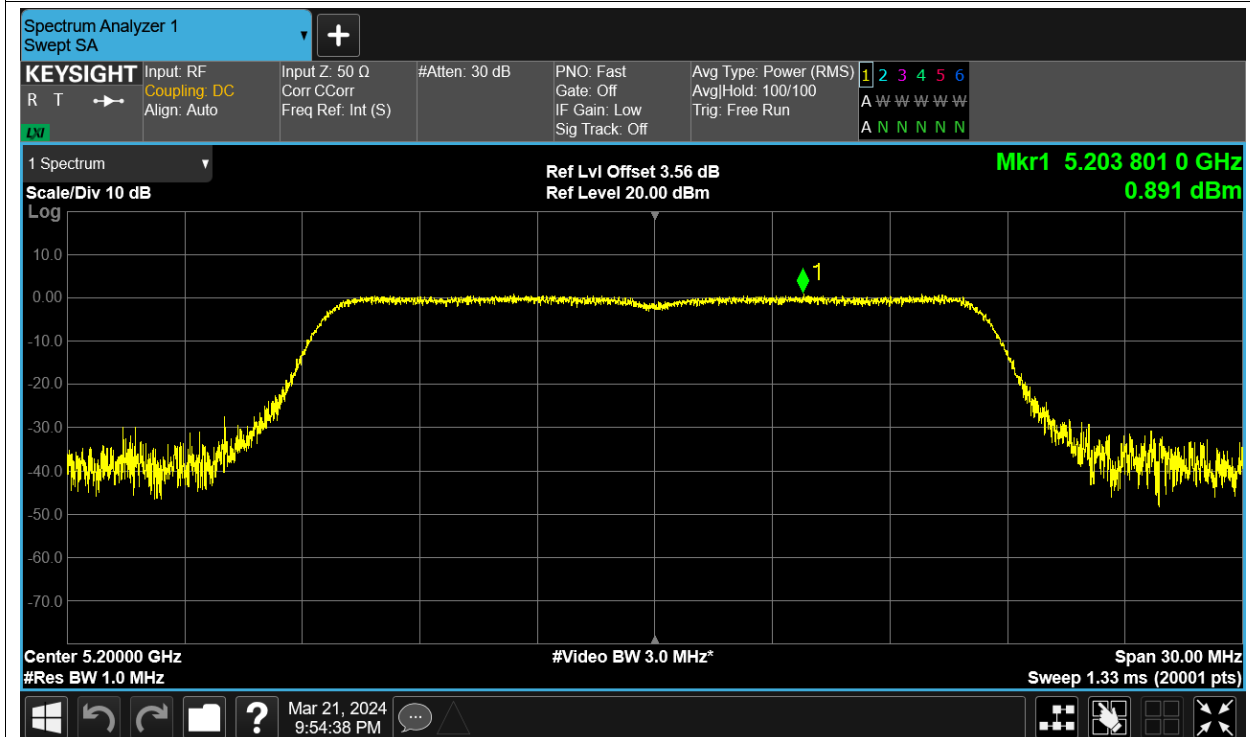
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant4	1.424	11	Pass
NVNT	a	5200	Ant4	0.891	11	Pass
NVNT	a	5240	Ant4	0.231	11	Pass
NVNT	ac20	5180	Ant4	0.48	11	Pass
NVNT	ac20	5200	Ant4	0.328	11	Pass
NVNT	ac20	5240	Ant4	-0.684	11	Pass
NVNT	ac40	5190	Ant4	-7.628	11	Pass
NVNT	ac40	5230	Ant4	-7.361	11	Pass
NVNT	ac80	5210	Ant4	-11.246	11	Pass
NVNT	n20	5180	Ant4	1.527	11	Pass
NVNT	n20	5200	Ant4	1.513	11	Pass
NVNT	n20	5240	Ant4	0.512	11	Pass
NVNT	n40	5190	Ant4	-7.945	11	Pass
NVNT	n40	5230	Ant4	-8.007	11	Pass

Test Graphs

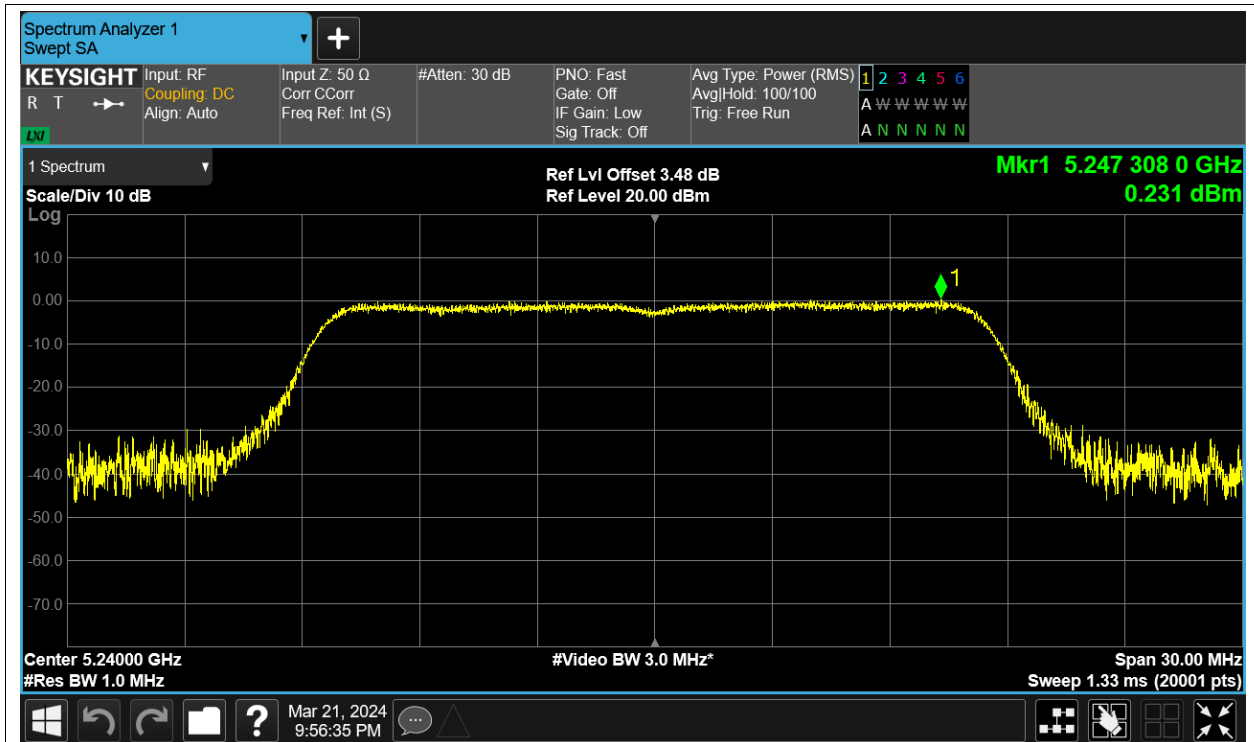
PSD NVNT a 5180MHz Ant4



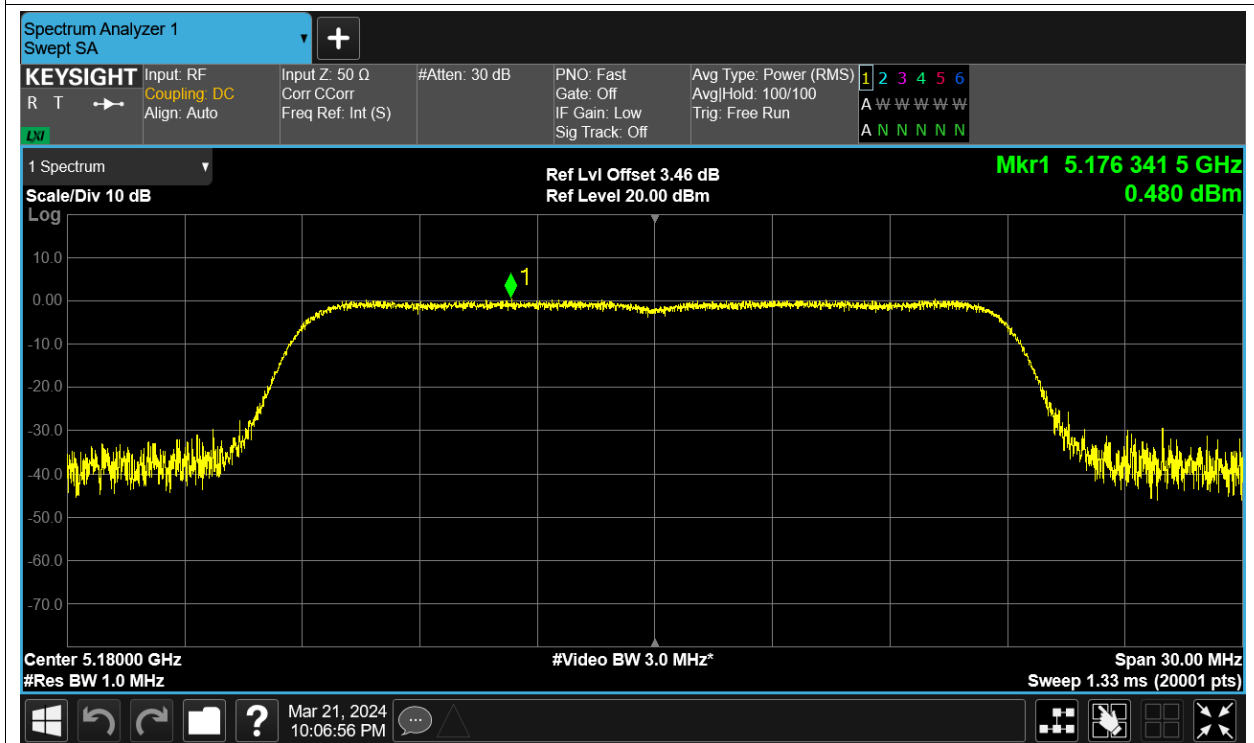
PSD NVNT a 5200MHz Ant4



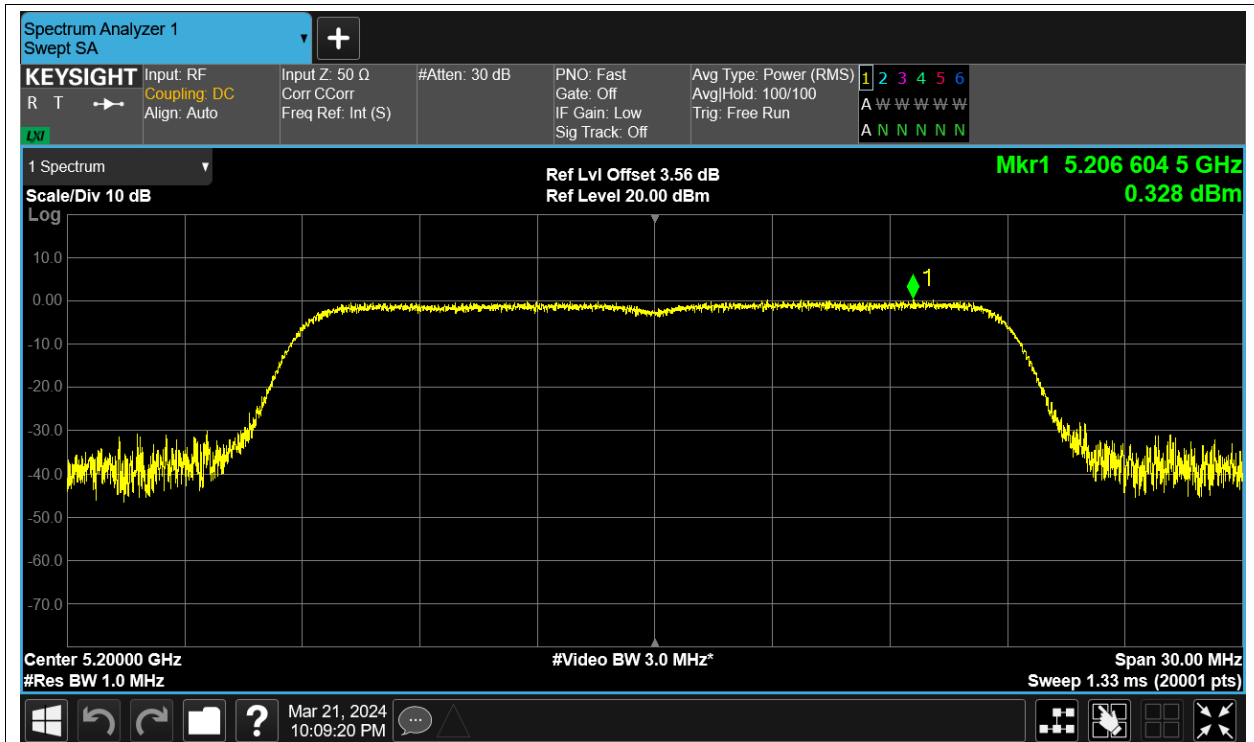
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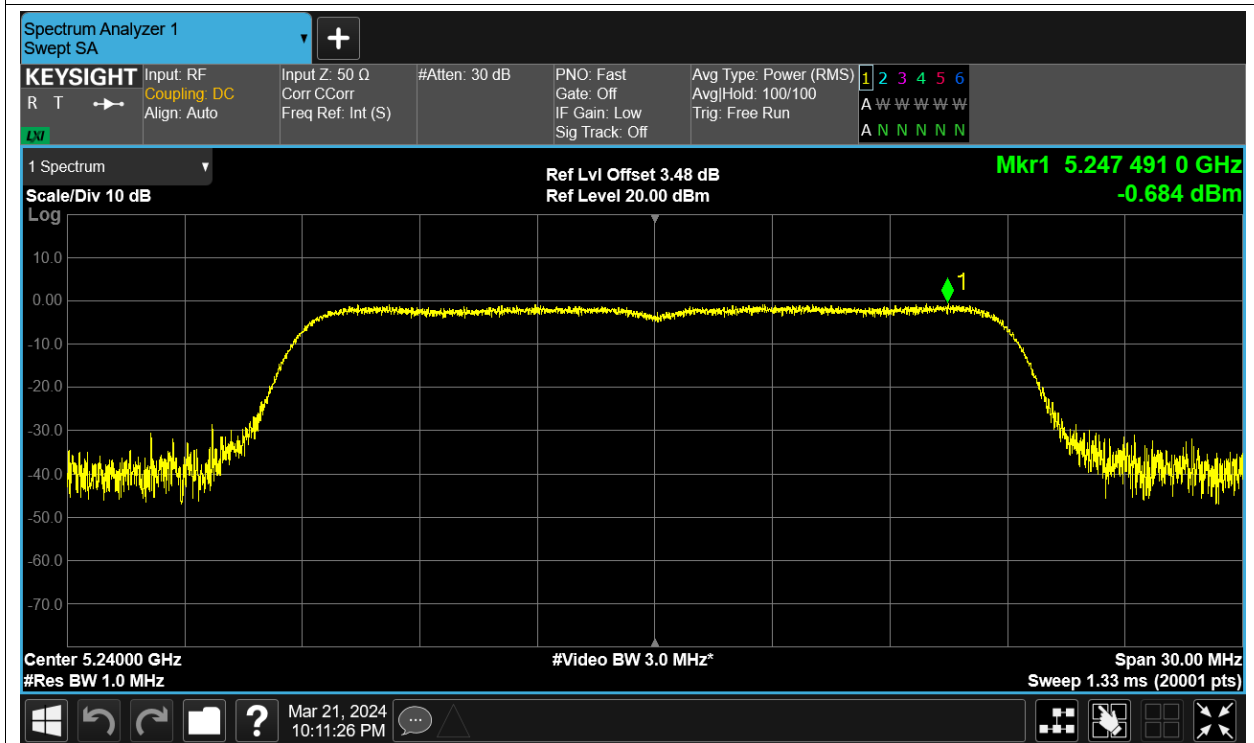
PSD NVNT ac20 5180MHz Ant4



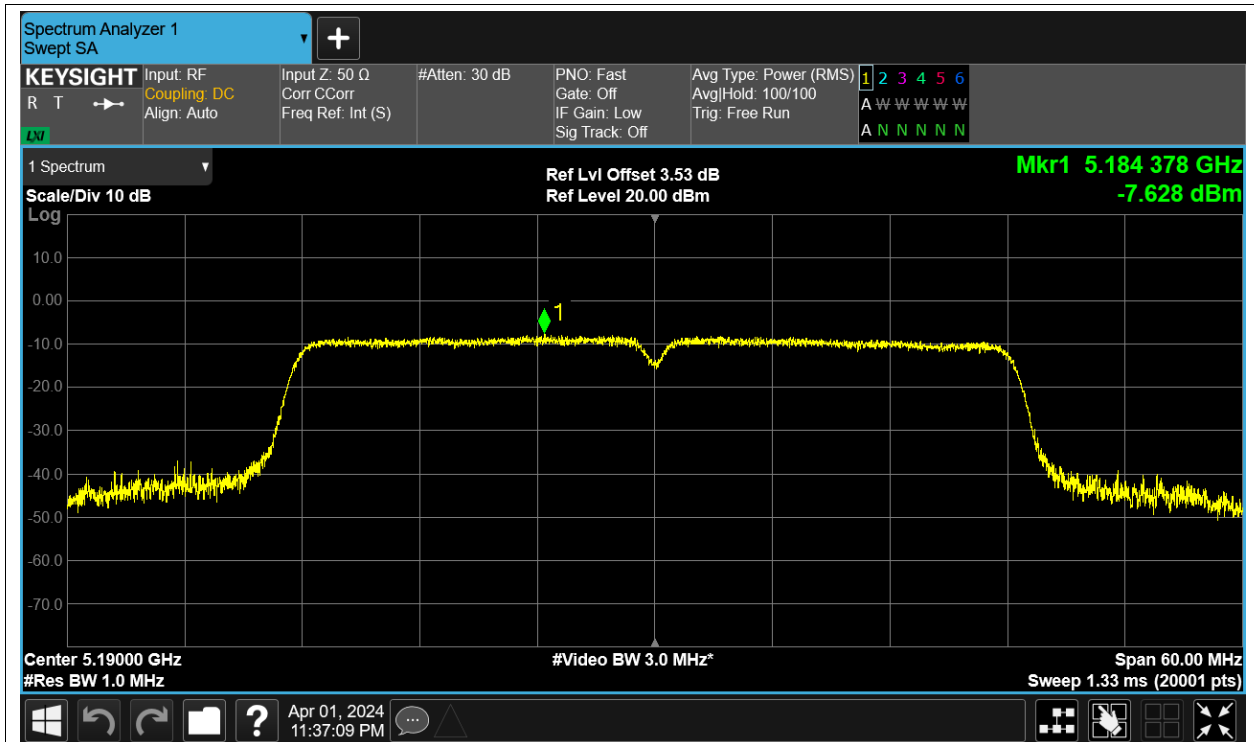
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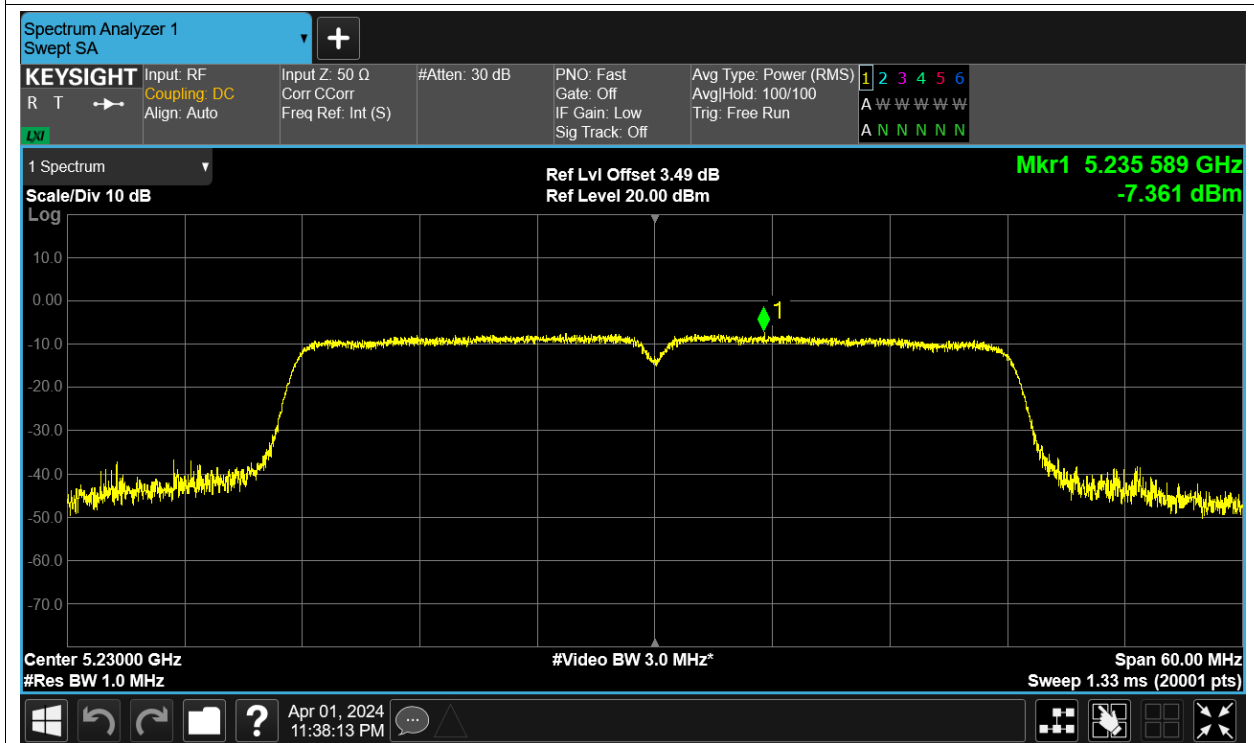
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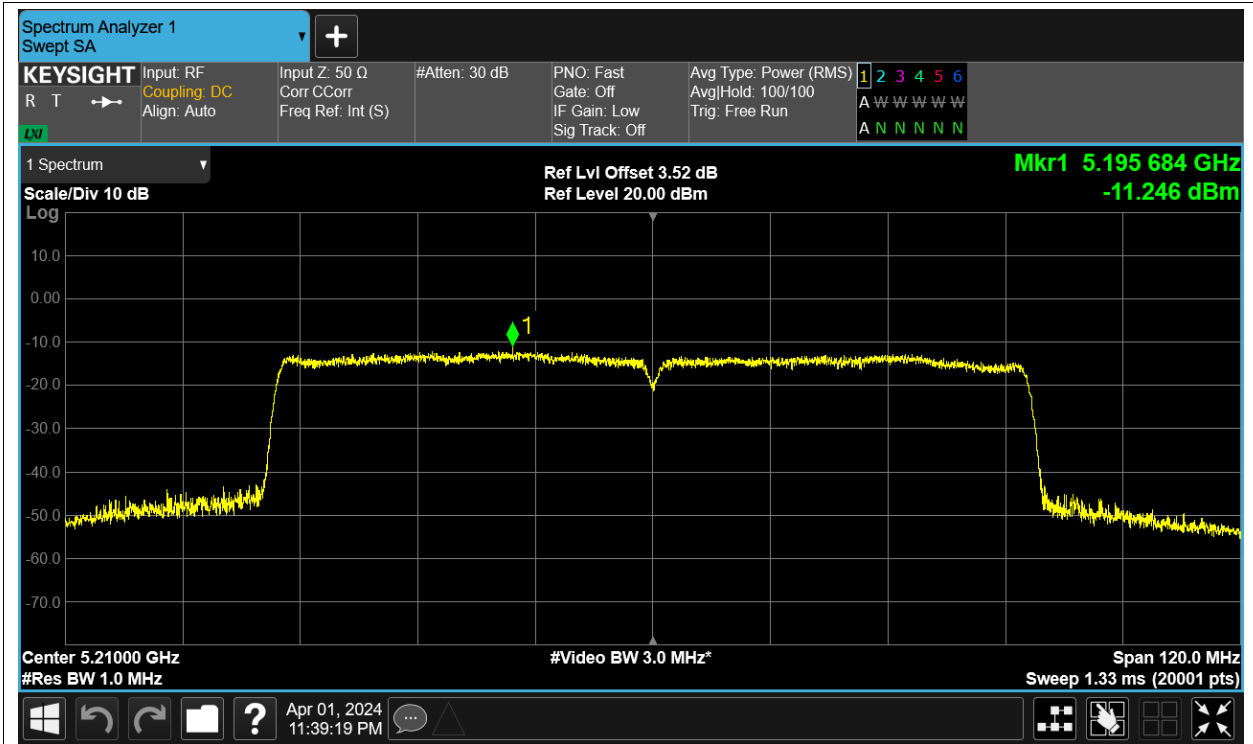
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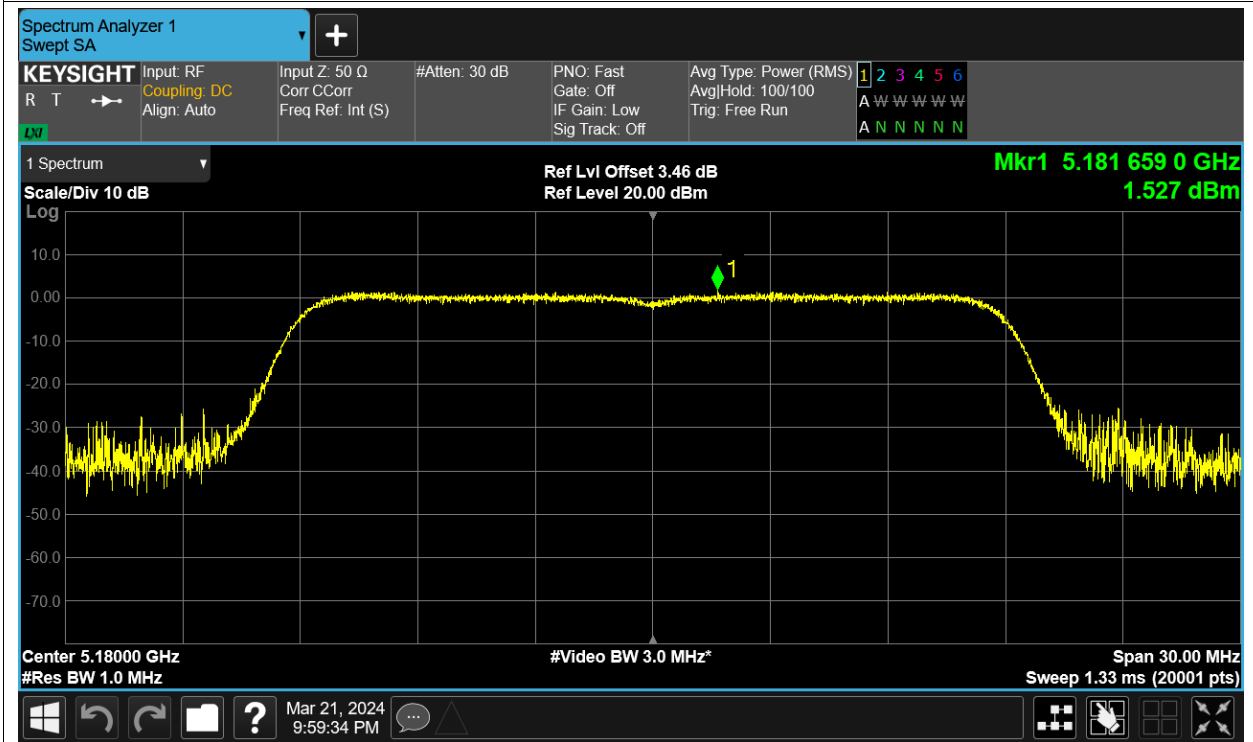
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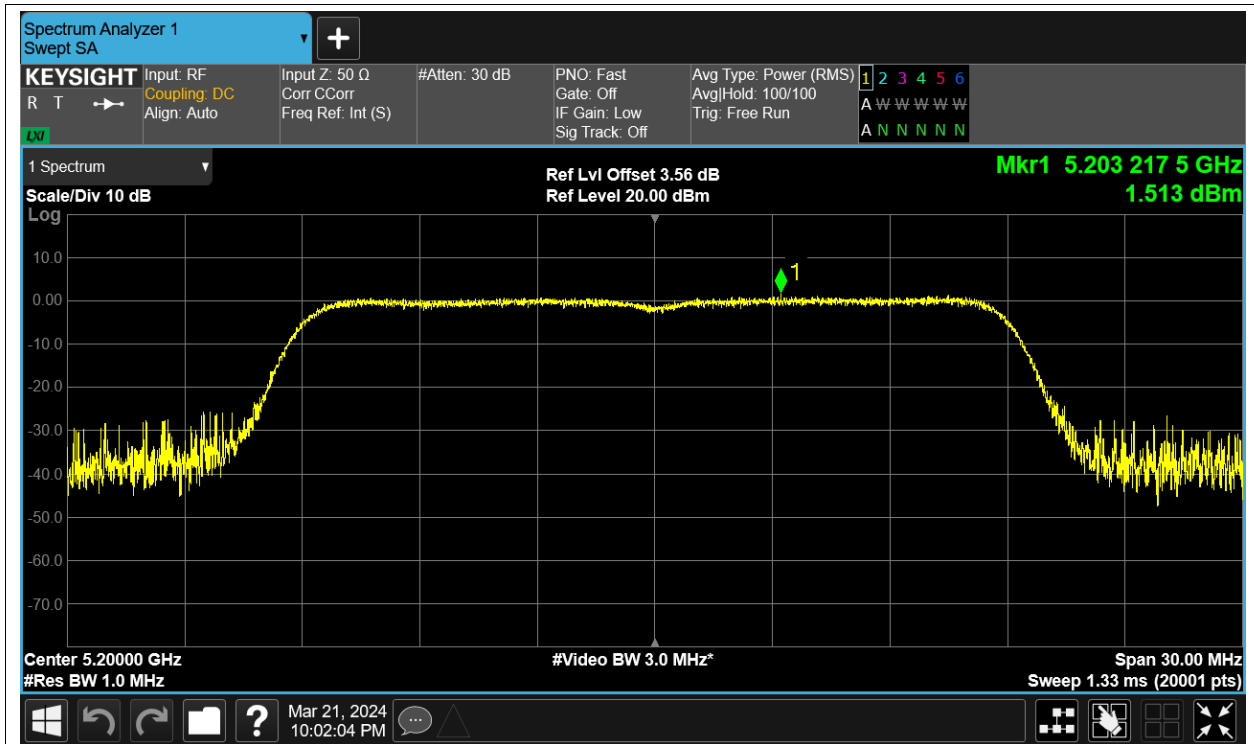
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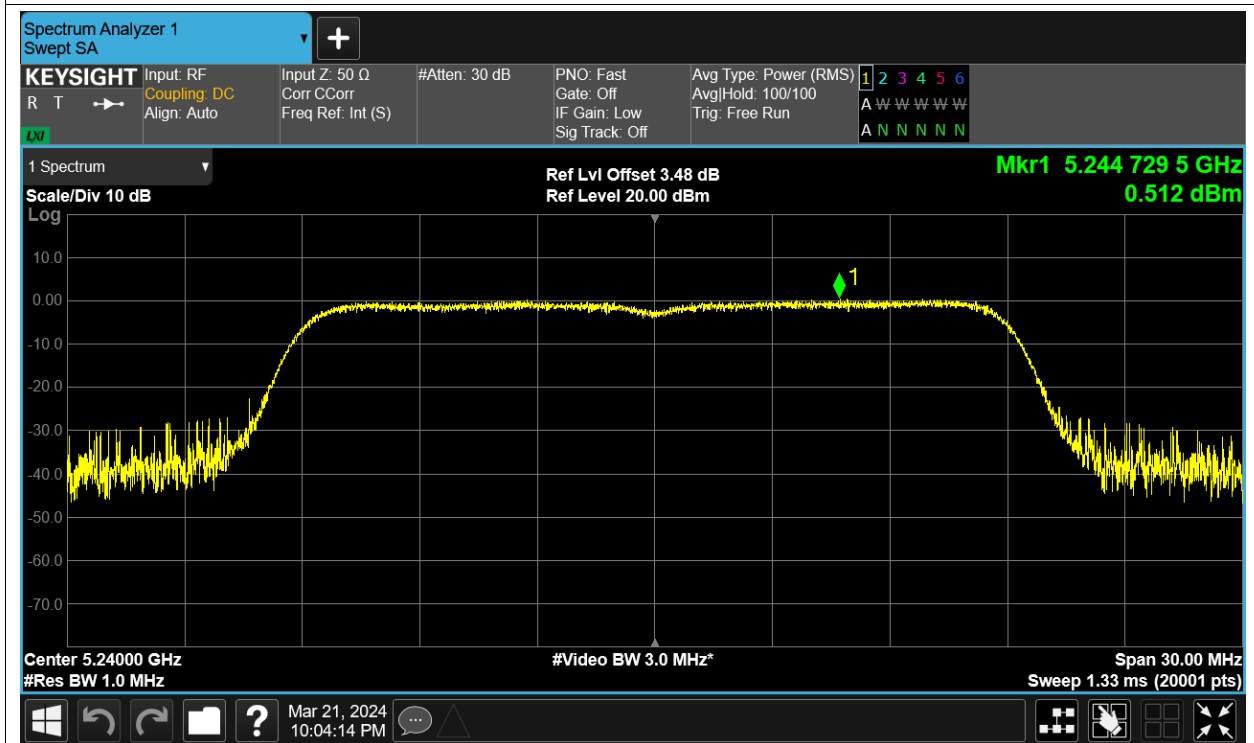
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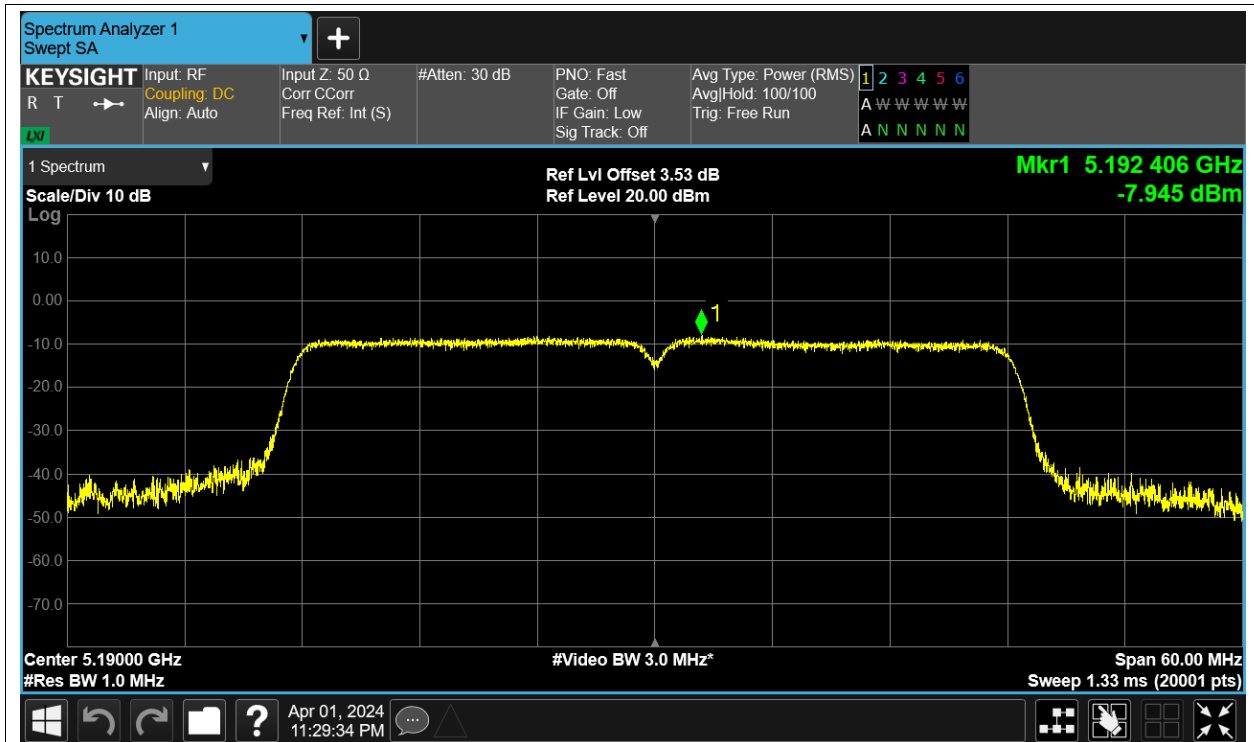
PSD NVNT n20 5200MHz Ant4



PSD NVNT n20 5240MHz Ant4



PSD NVNT n40 5190MHz Ant4



PSD NVNT n40 5230MHz Ant4

