

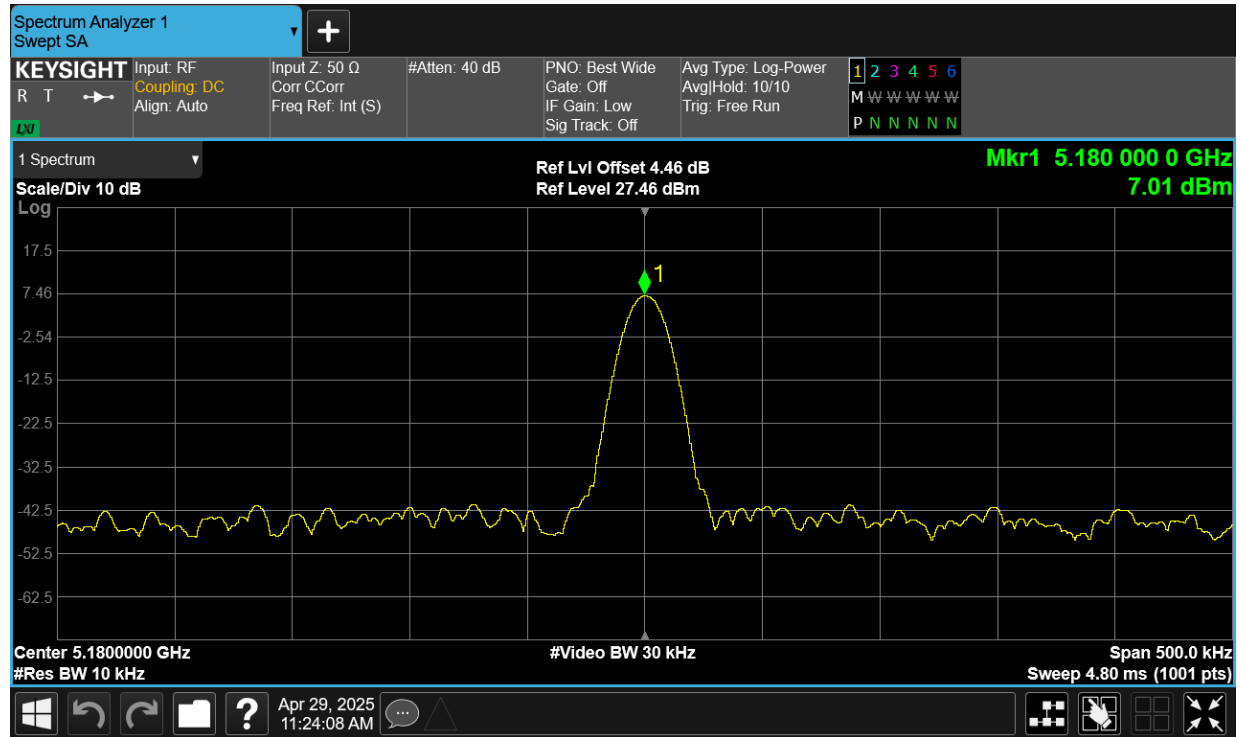
Test Data

Frequency Stability

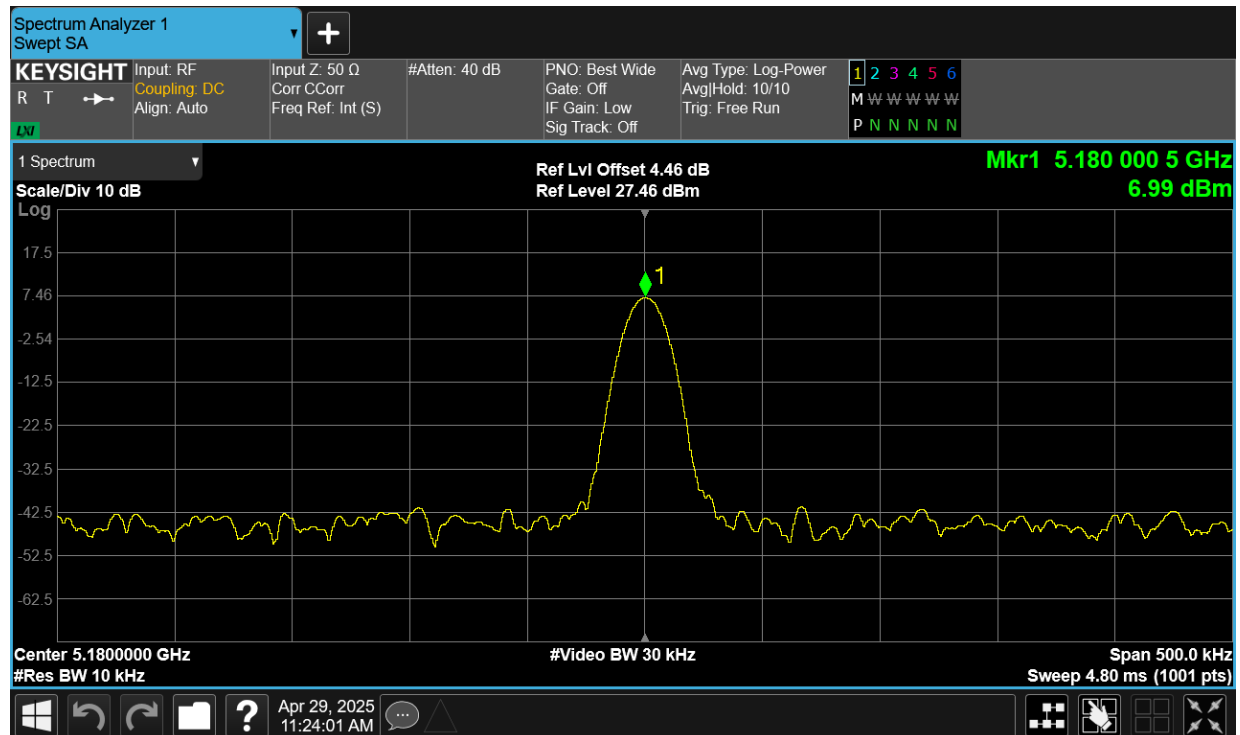
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5180	0	Within authorized band	Pass
LVNT	a	5180	Ant1	5180.0005	0.1		Pass
NVHT	a	5180	Ant1	5180	0		Pass
NVLT	a	5180	Ant1	5180	0		Pass
NVNT	a	5180	Ant1	5180	0		Pass
HVNT	ac80	5210	Ant1	5210.0005	0.1		Pass
LVNT	ac80	5210	Ant1	5210.0005	0.1		Pass
NVHT	ac80	5210	Ant1	5210.0005	0.1		Pass
NVLT	ac80	5210	Ant1	5210.0005	0.1		Pass
NVNT	ac80	5210	Ant1	5210.000249252	0.05		Pass
HVNT	n40	5190	Ant1	5190.0005	0.1		Pass
LVNT	n40	5190	Ant1	5190.0005	0.1		Pass
NVHT	n40	5190	Ant1	5190.0005	0.1		Pass
NVLT	n40	5190	Ant1	5190.0005	0.1		Pass
NVNT	n40	5190	Ant1	5190	0		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

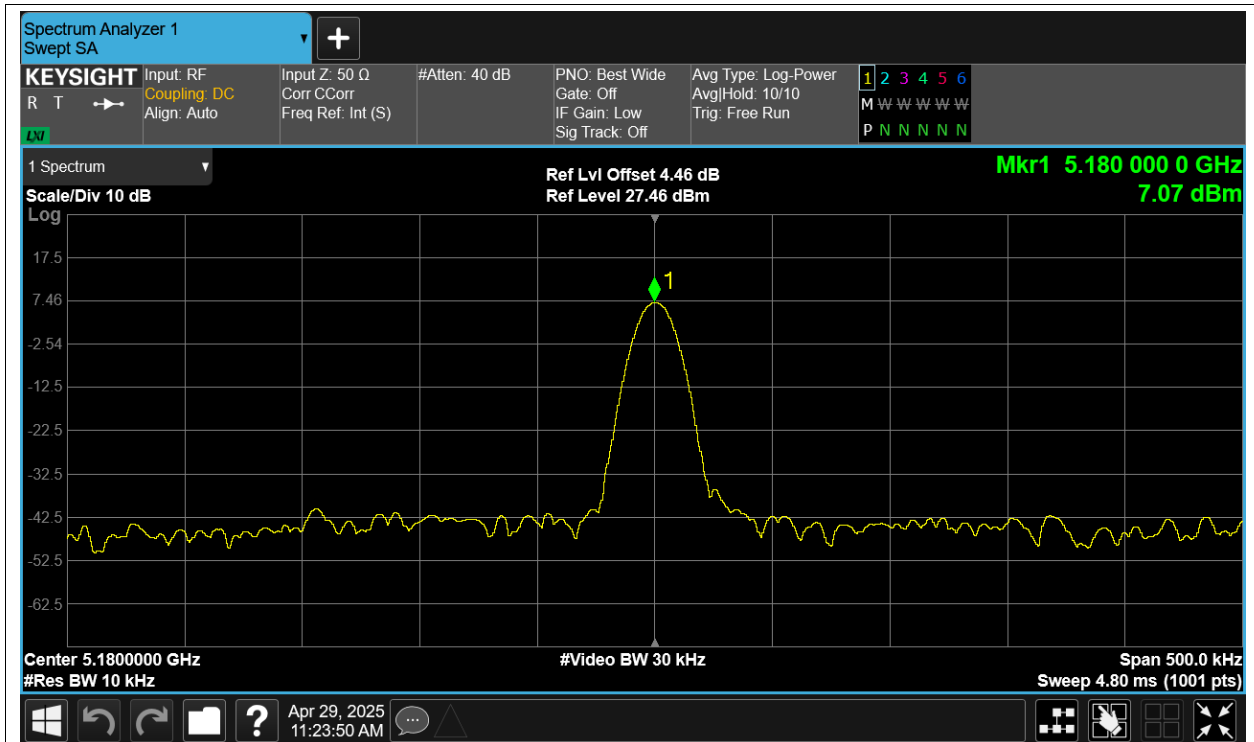
Freq. Stability HVNT a 5180MHz Ant1



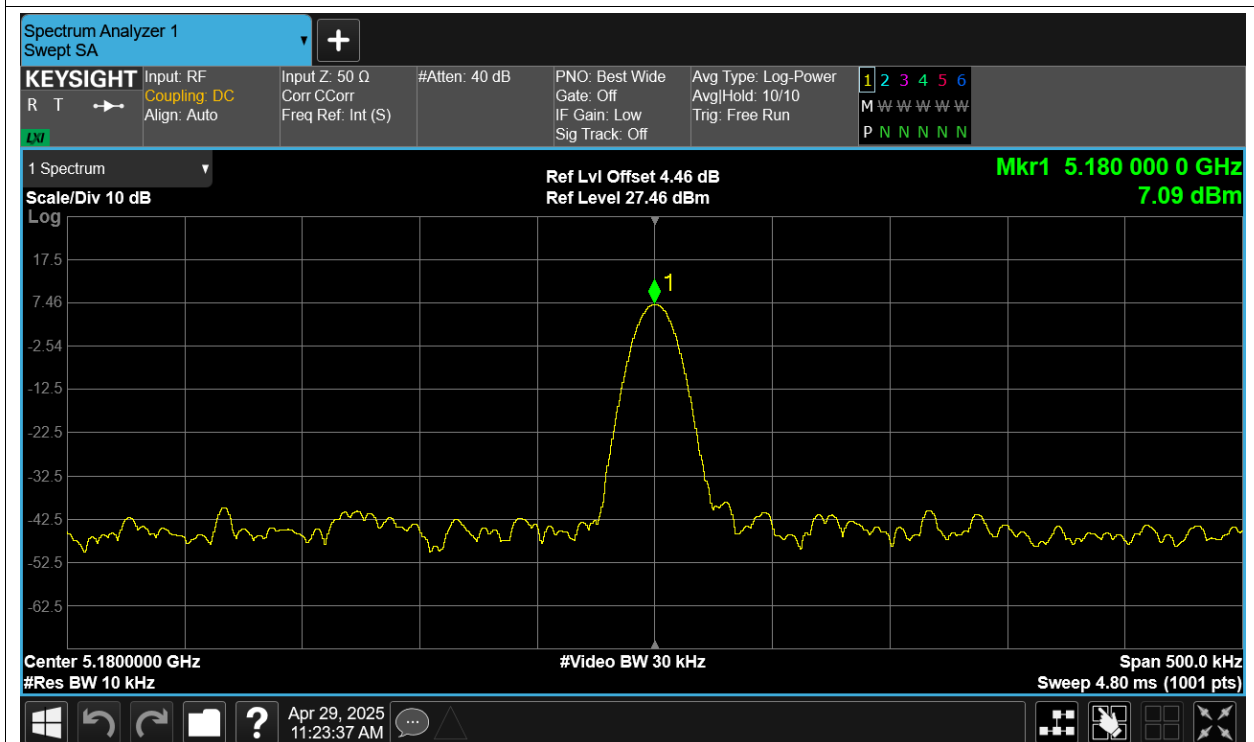
Freq. Stability LVNT a 5180MHz Ant1



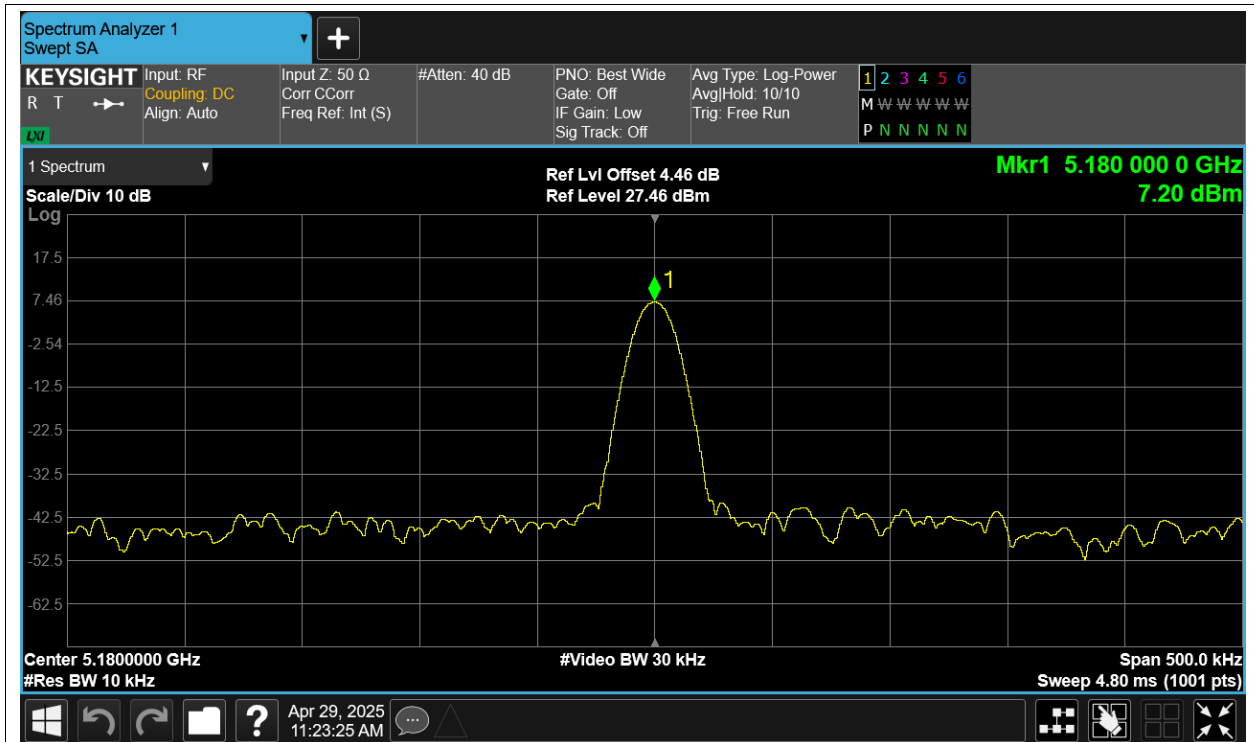
Freq. Stability NVHT a 5180MHz Ant1



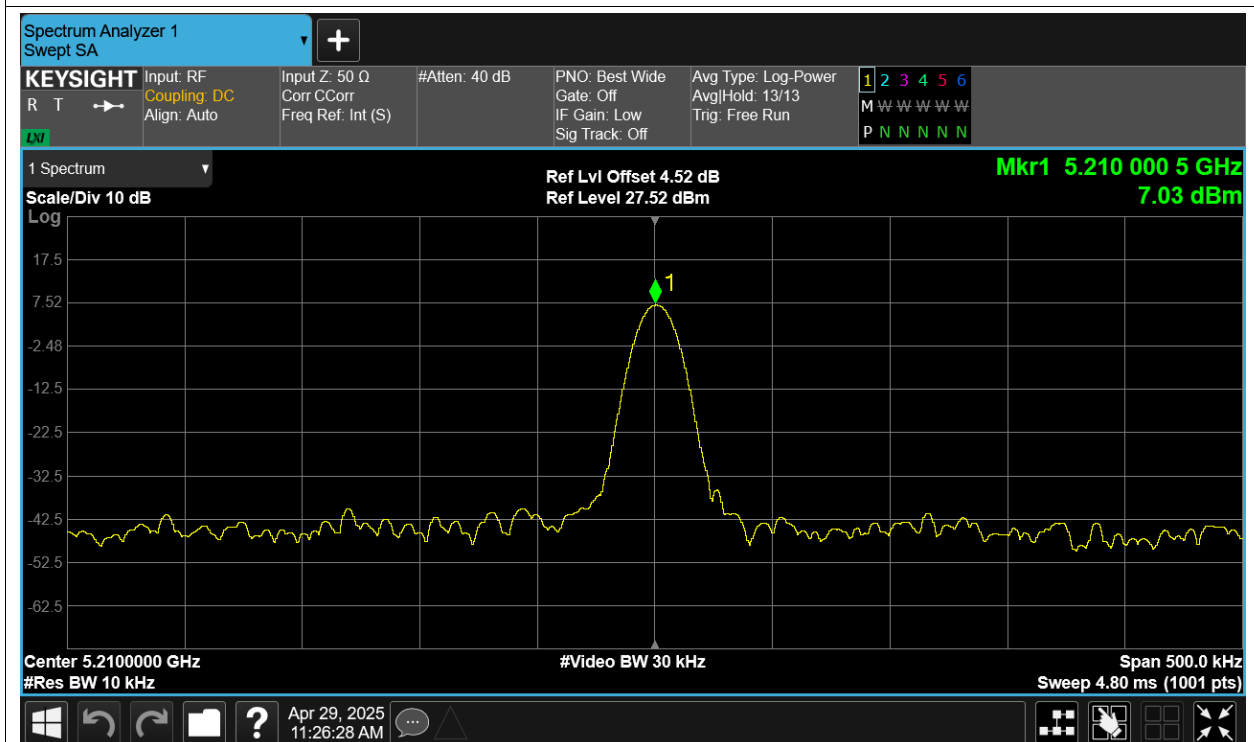
Freq. Stability NVLT a 5180MHz Ant1



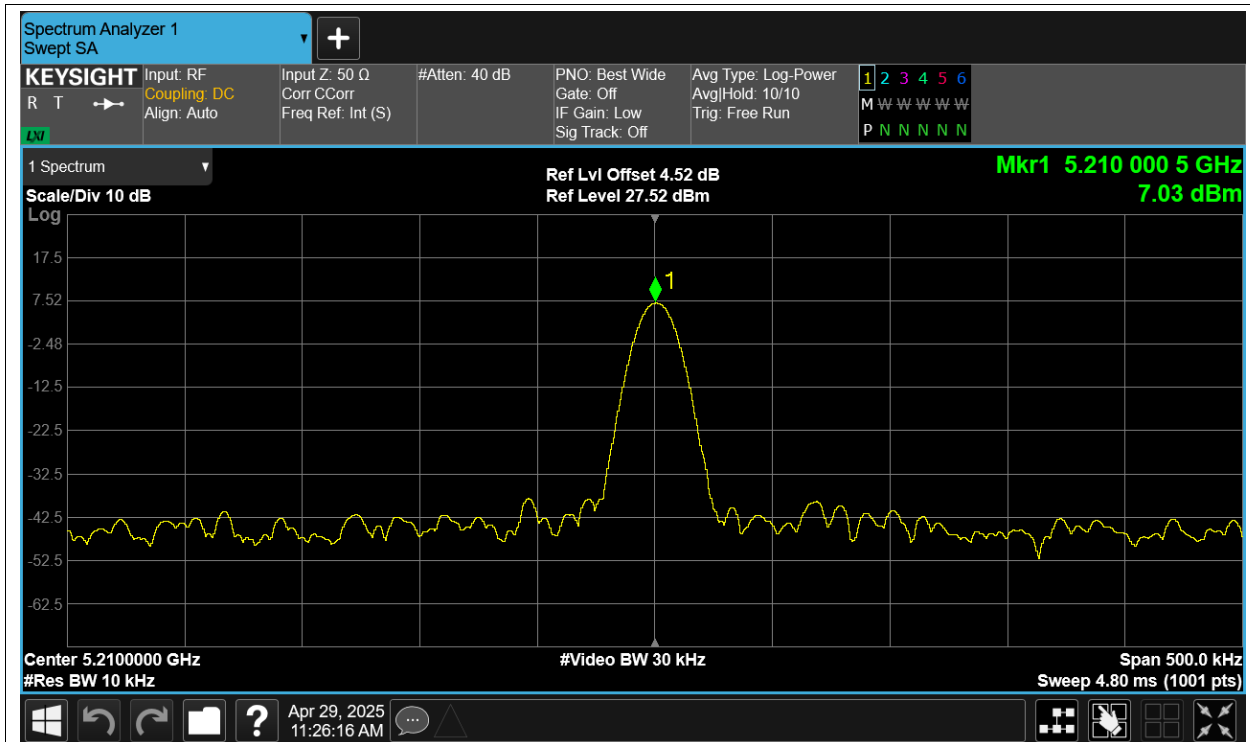
Freq. Stability NVNT a 5180MHz Ant1



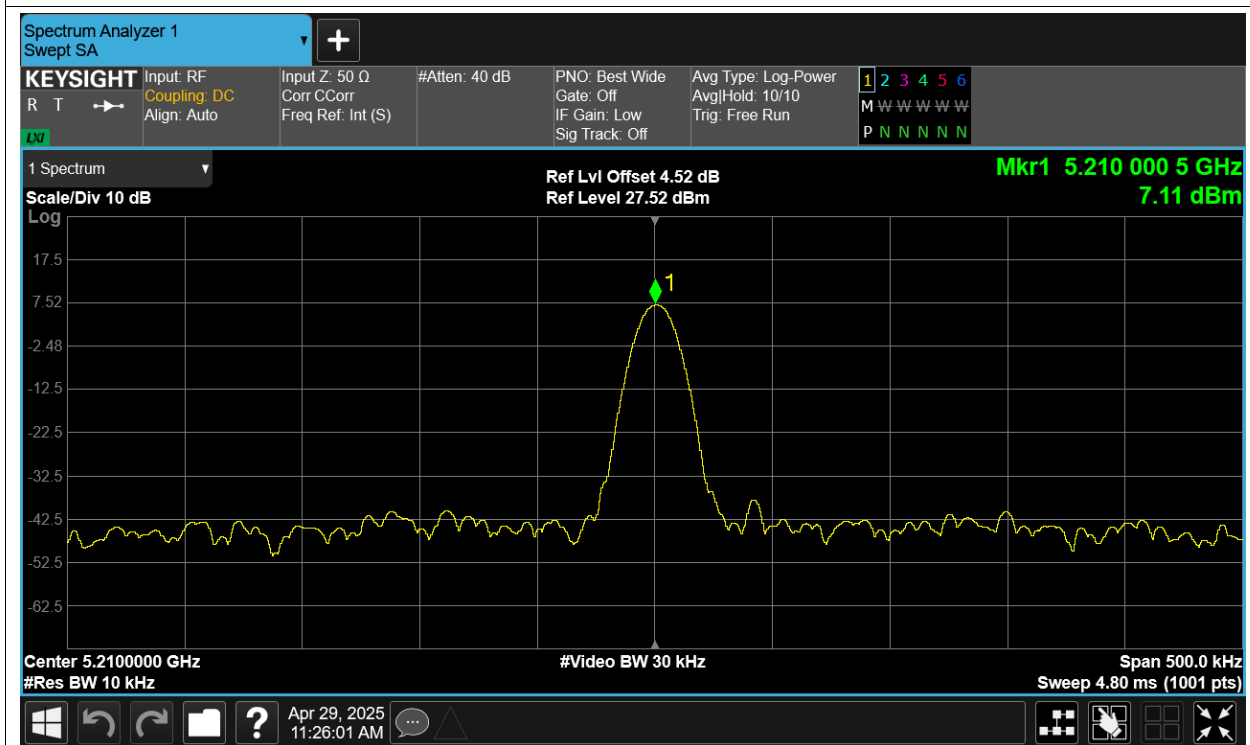
Freq. Stability HVNT ac80 5210MHz Ant1



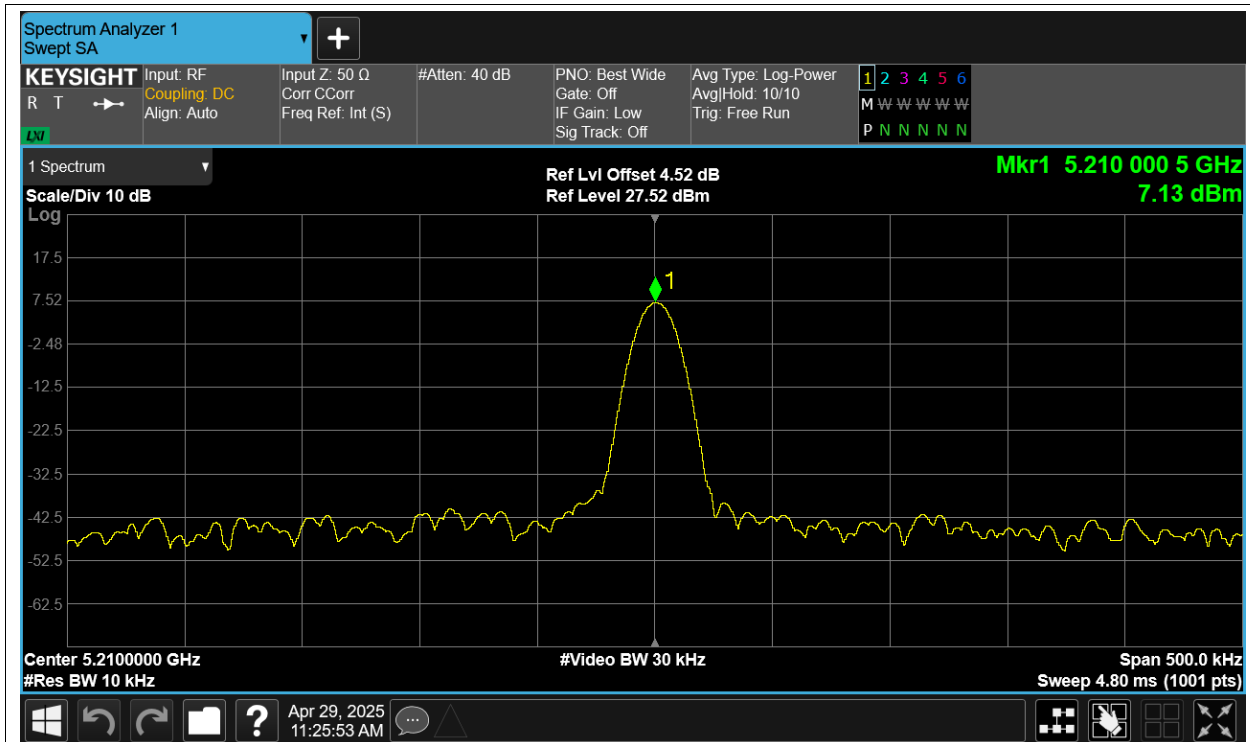
Freq. Stability LVNT ac80 5210MHz Ant1



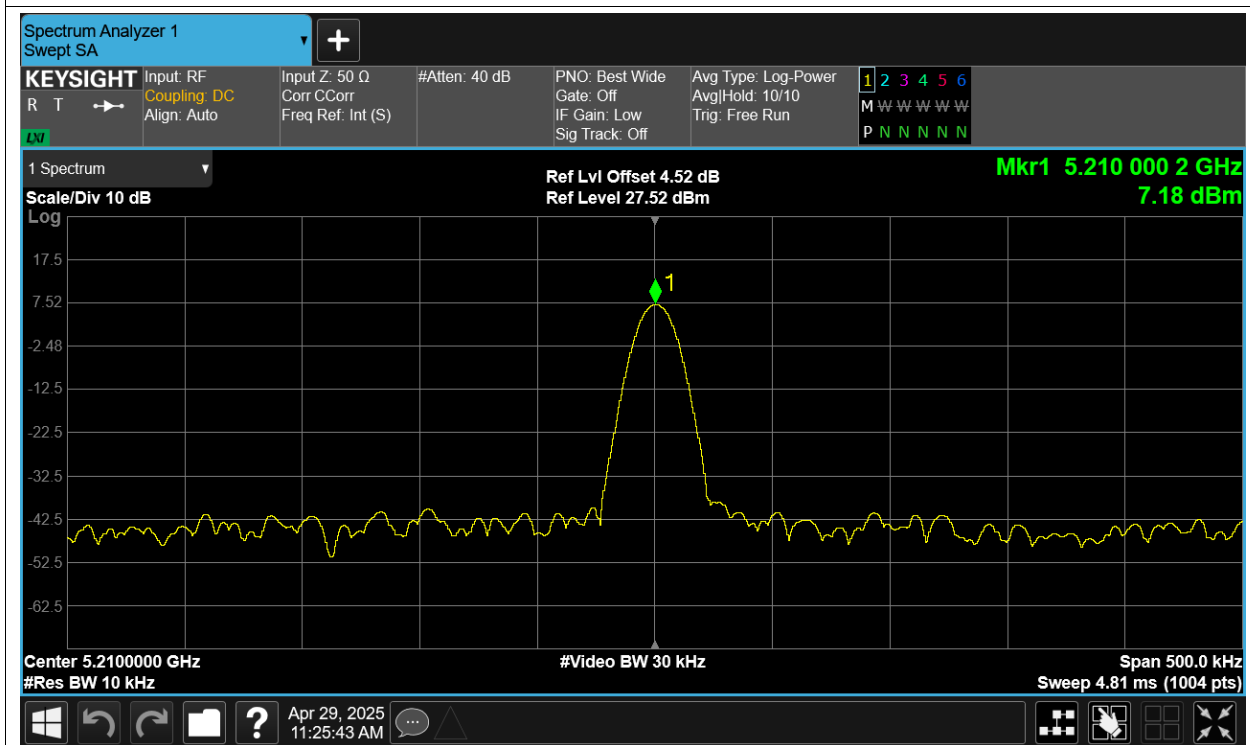
Freq. Stability NVHT ac80 5210MHz Ant1



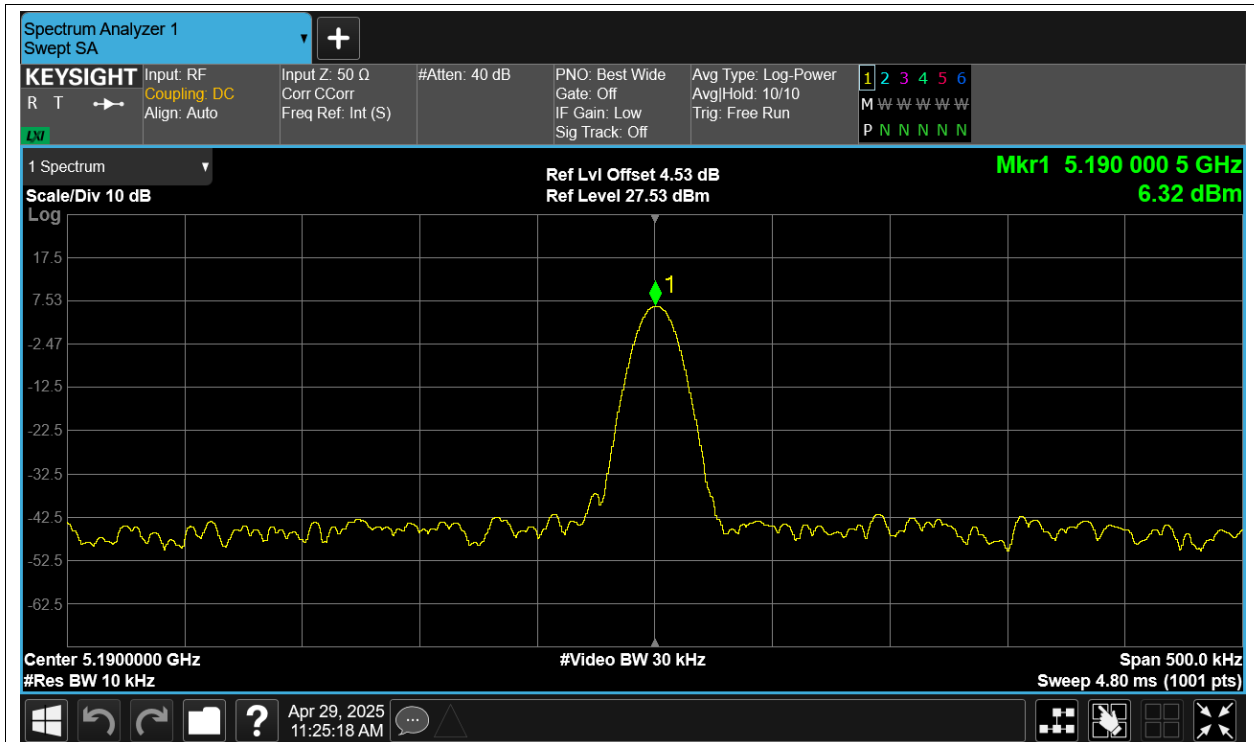
Freq. Stability NVLT ac80 5210MHz Ant1



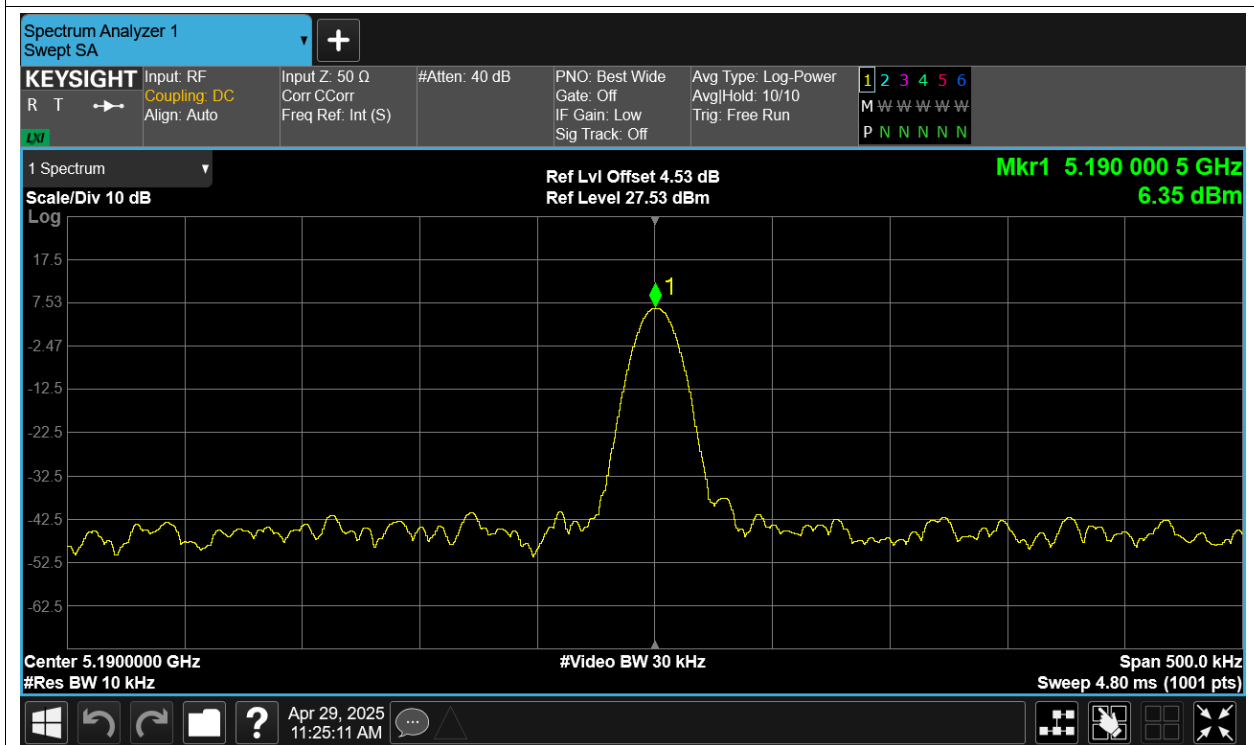
Freq. Stability NVNT ac80 5210MHz Ant1



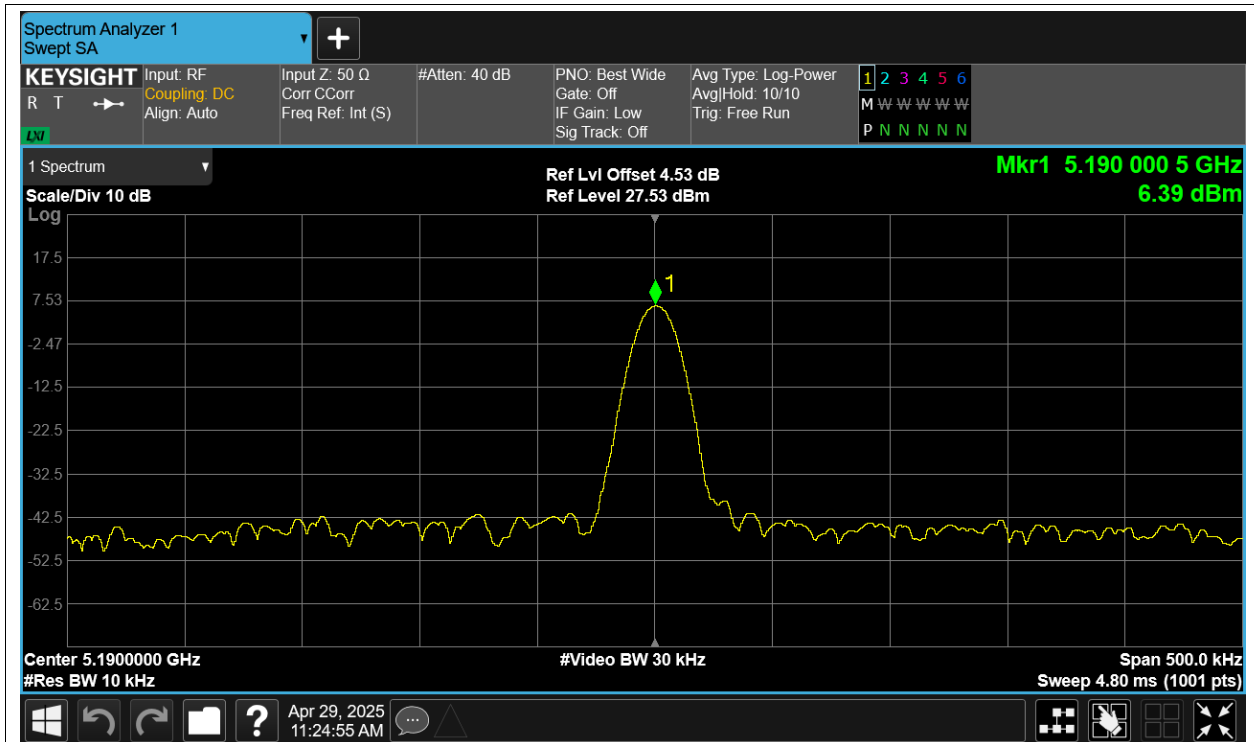
Freq. Stability HVNT n40 5190MHz Ant1



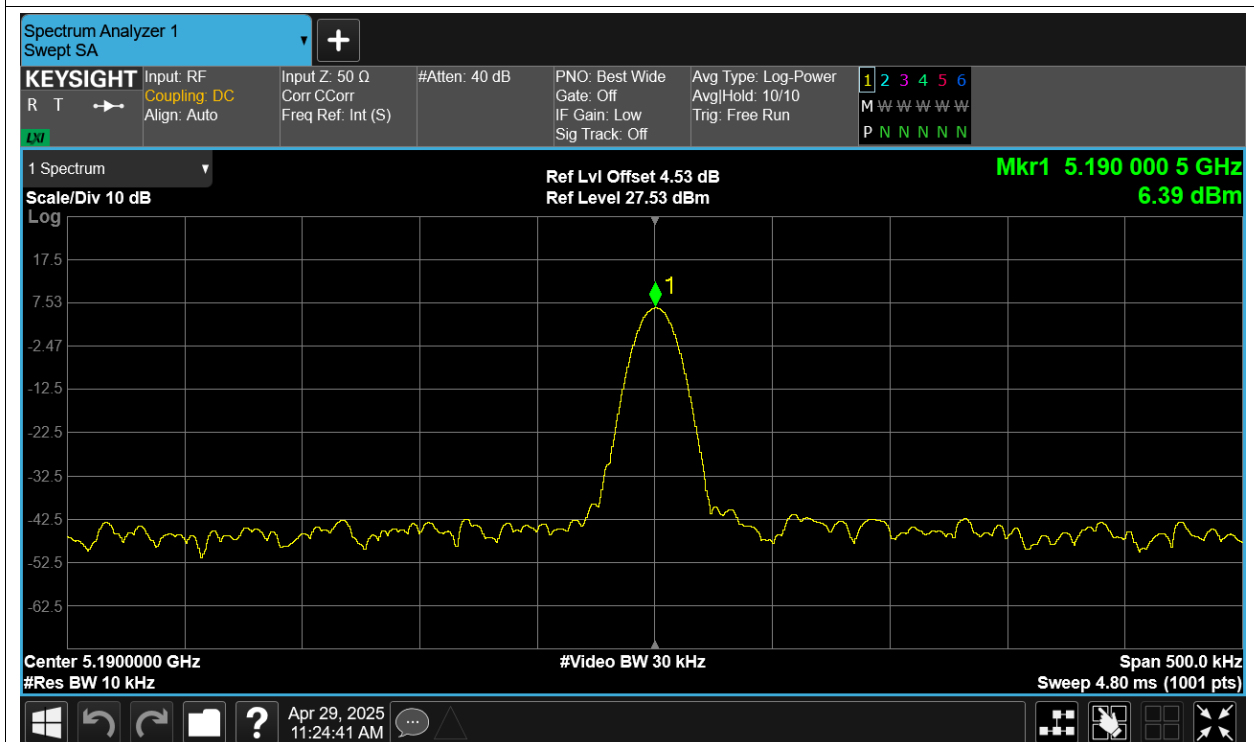
Freq. Stability LVNT n40 5190MHz Ant1



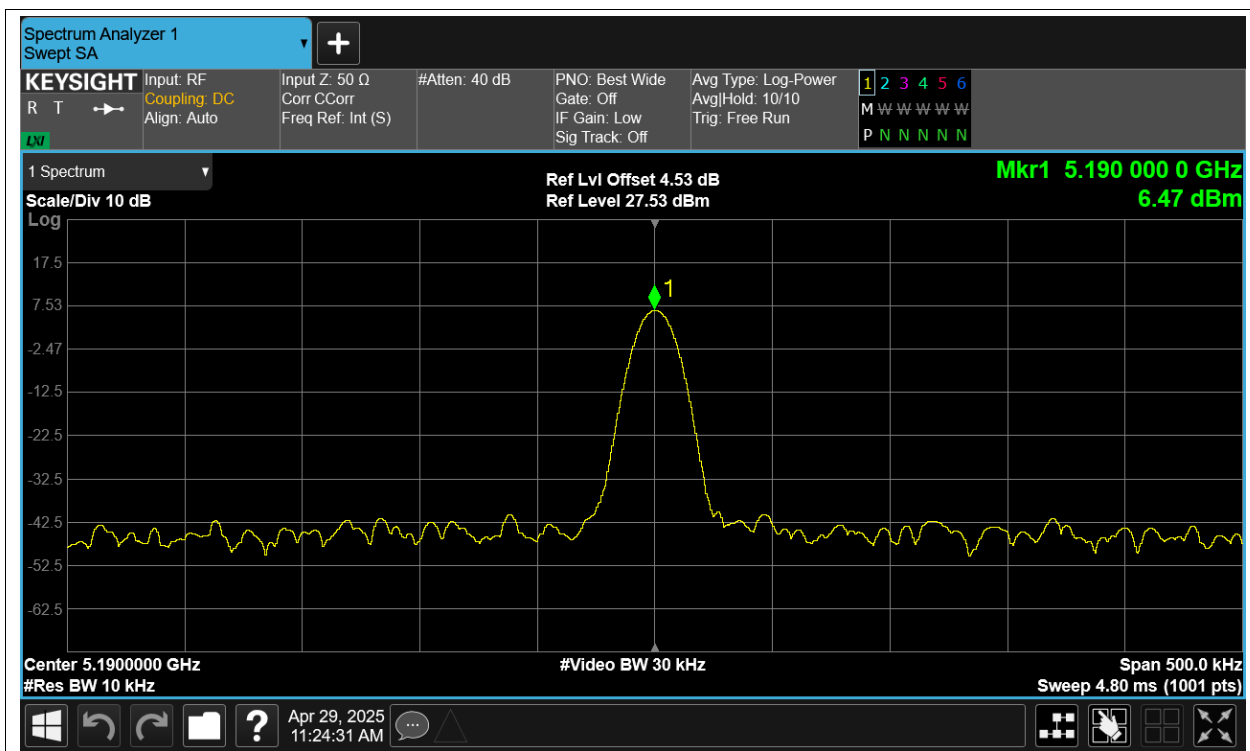
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

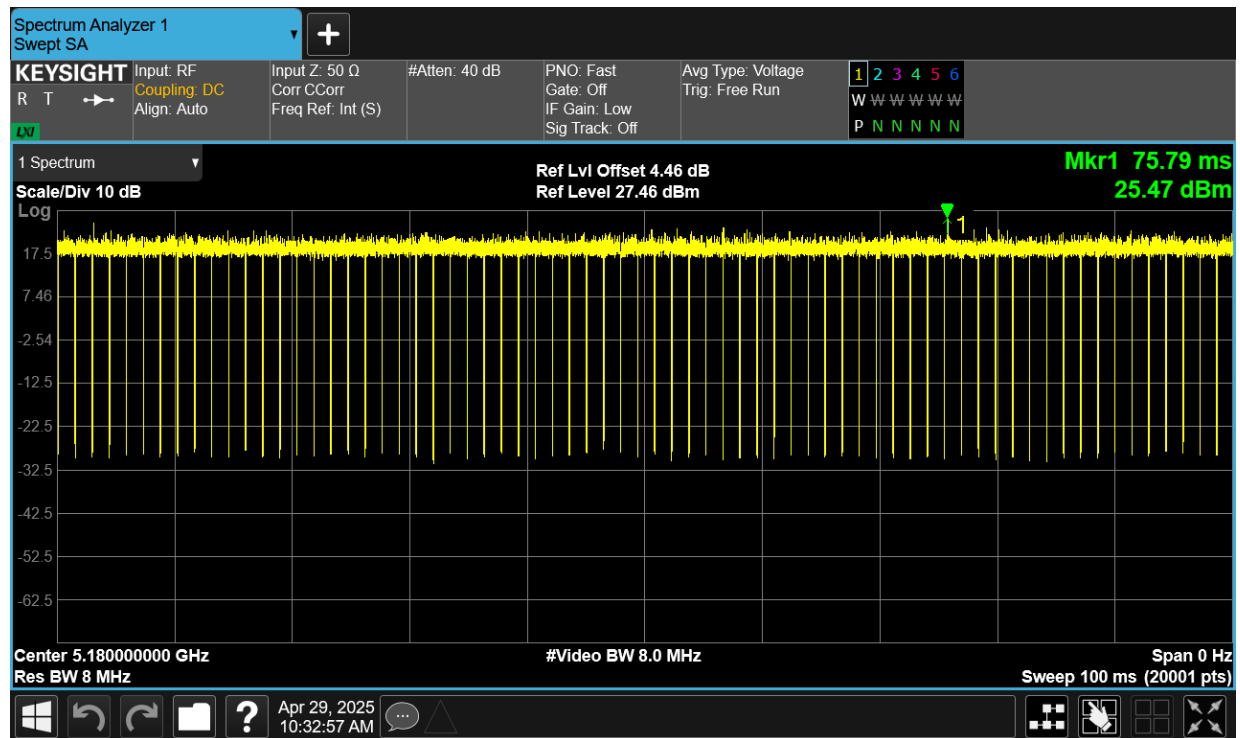


Duty Cycle

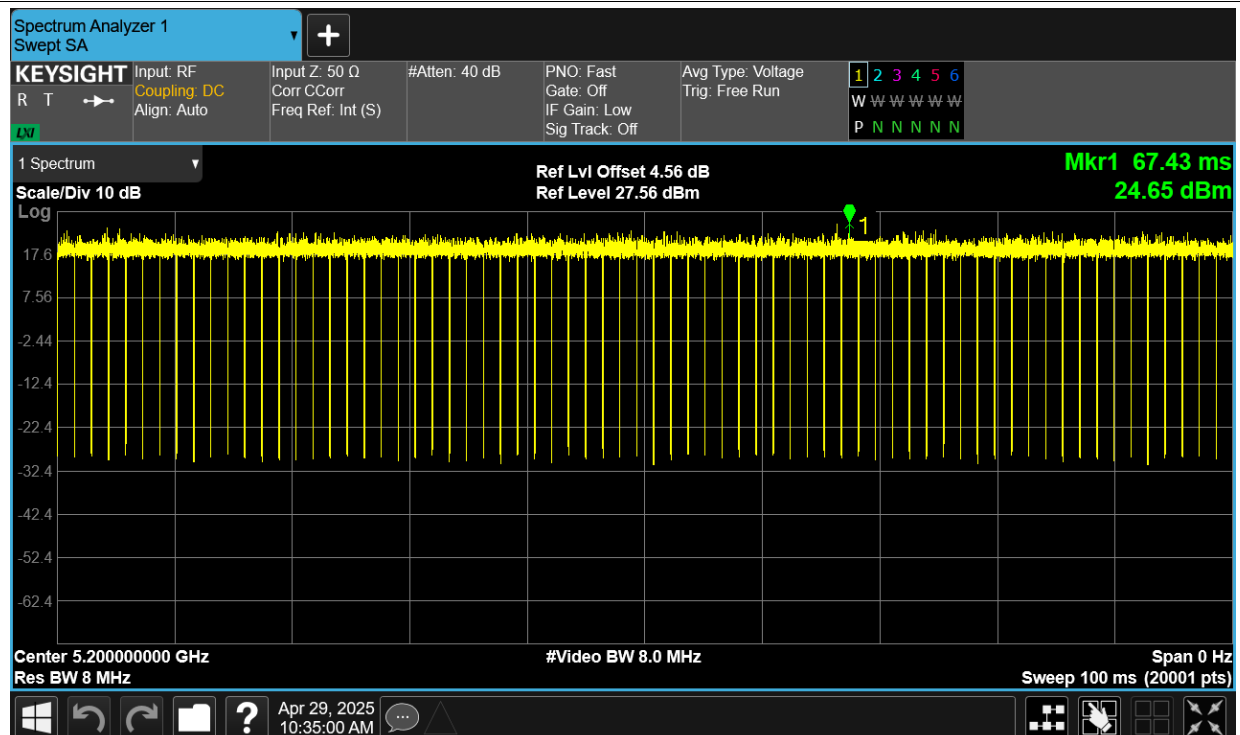
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	96.55	0.15
NVNT	a	5200	Ant1	96.57	0.15
NVNT	a	5240	Ant1	96.59	0.15
NVNT	ac20	5180	Ant1	96.11	0.17
NVNT	ac20	5200	Ant1	96.11	0.17
NVNT	ac20	5240	Ant1	96.16	0.17
NVNT	ac40	5190	Ant1	92.41	0.34
NVNT	ac40	5230	Ant1	92.53	0.34
NVNT	ac80	5210	Ant1	86.28	0.64
NVNT	n20	5180	Ant1	95.95	0.18
NVNT	n20	5200	Ant1	96.03	0.18
NVNT	n20	5240	Ant1	95.95	0.18
NVNT	n40	5190	Ant1	92.98	0.32
NVNT	n40	5230	Ant1	92.15	0.36

Test Graphs

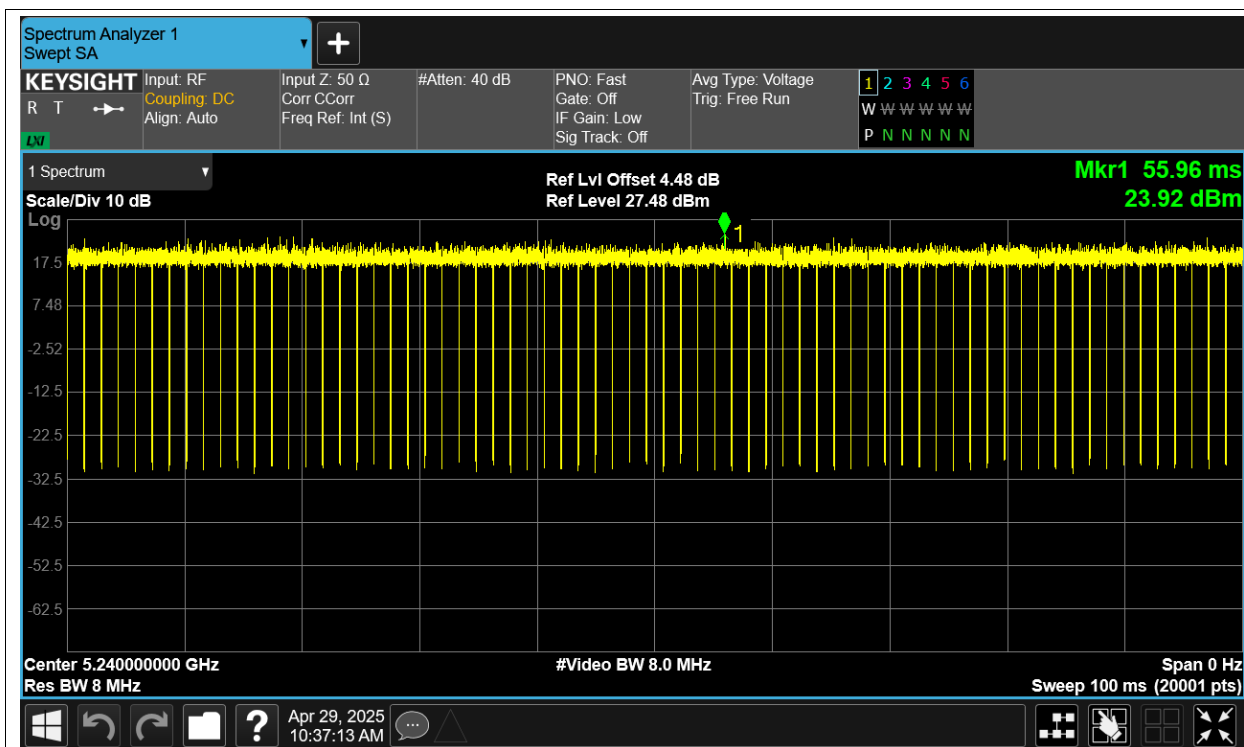
Duty Cycle NVNT a 5180MHz Ant1



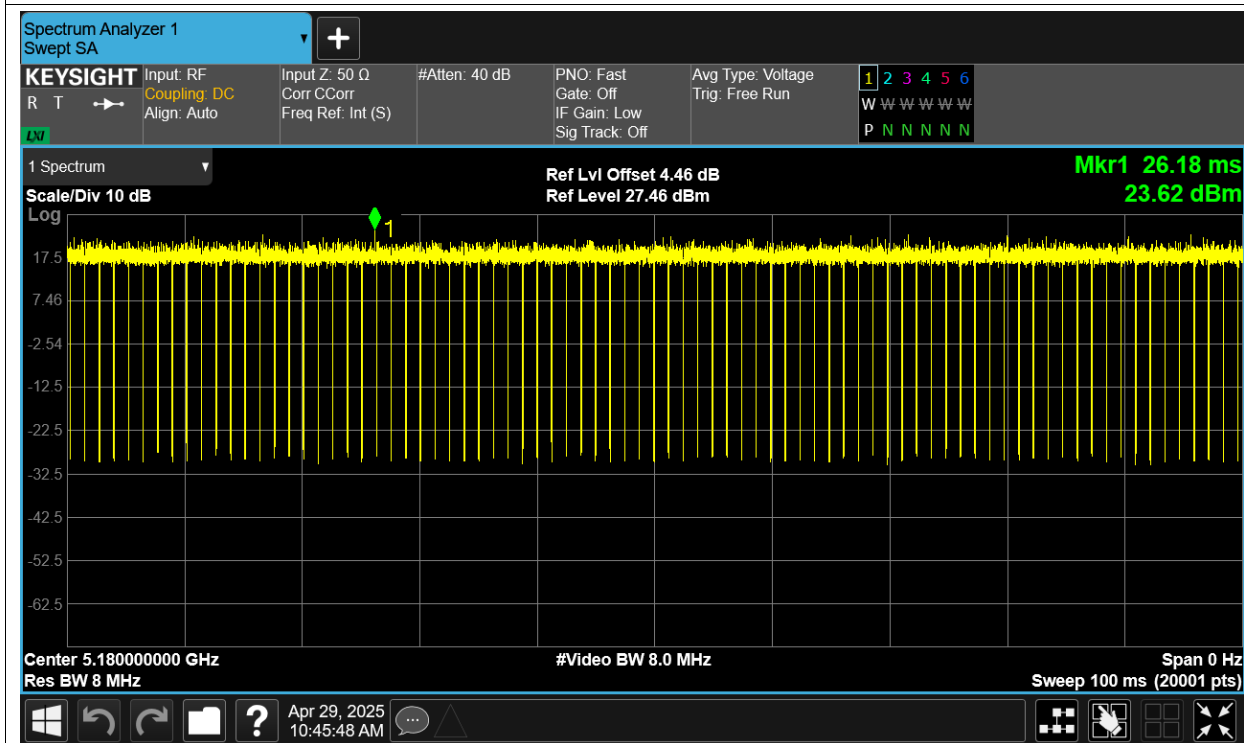
Duty Cycle NVNT a 5200MHz Ant1



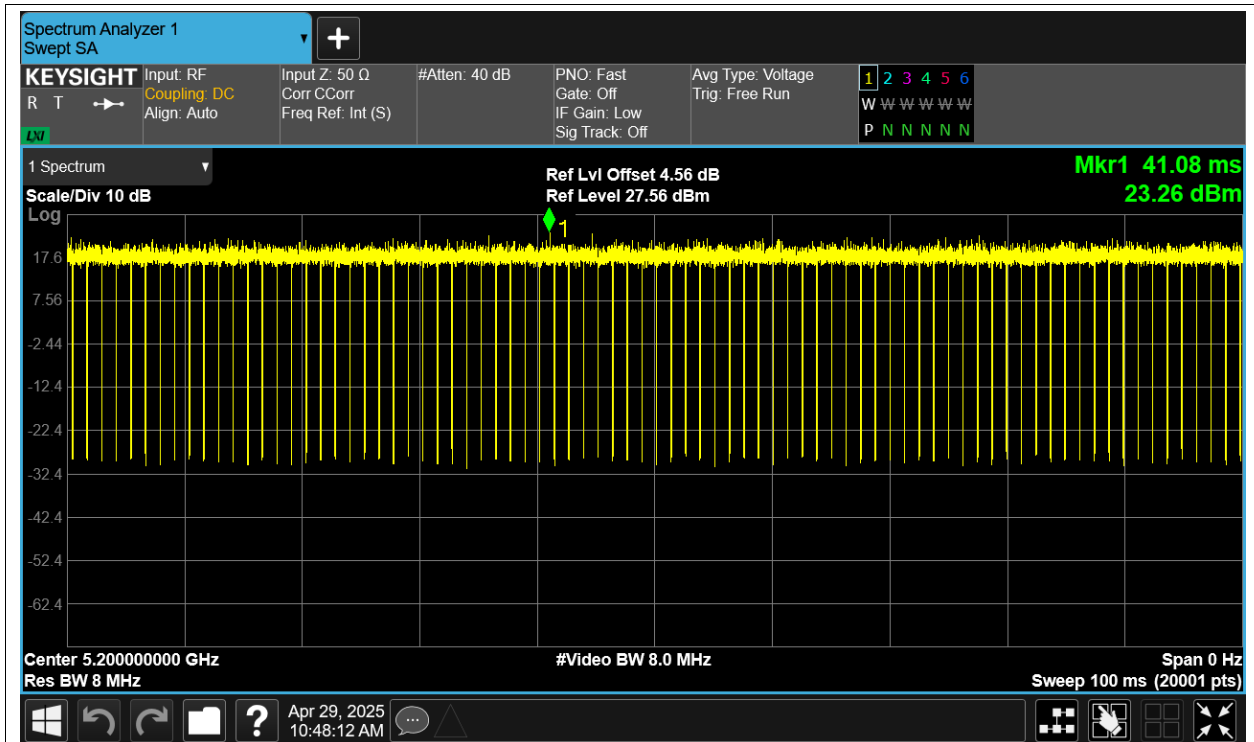
Duty Cycle NVNT a 5240MHz Ant1



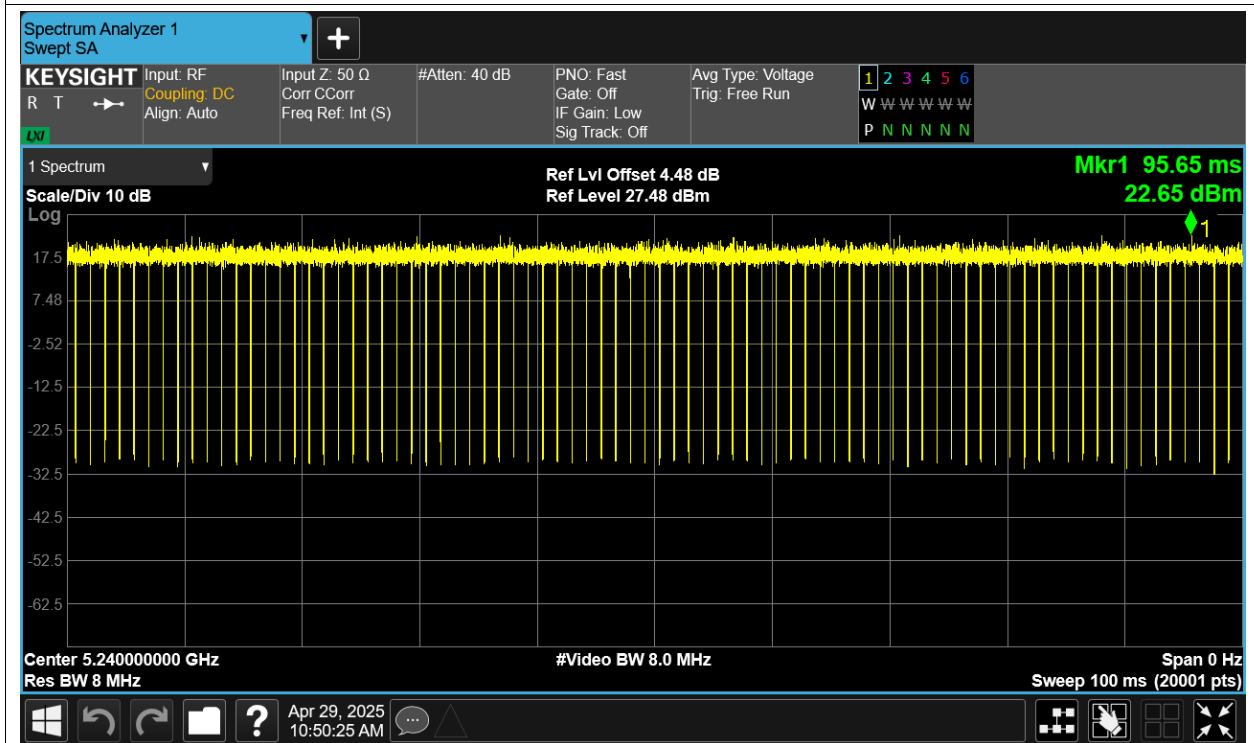
Duty Cycle NVNT ac20 5180MHz Ant1



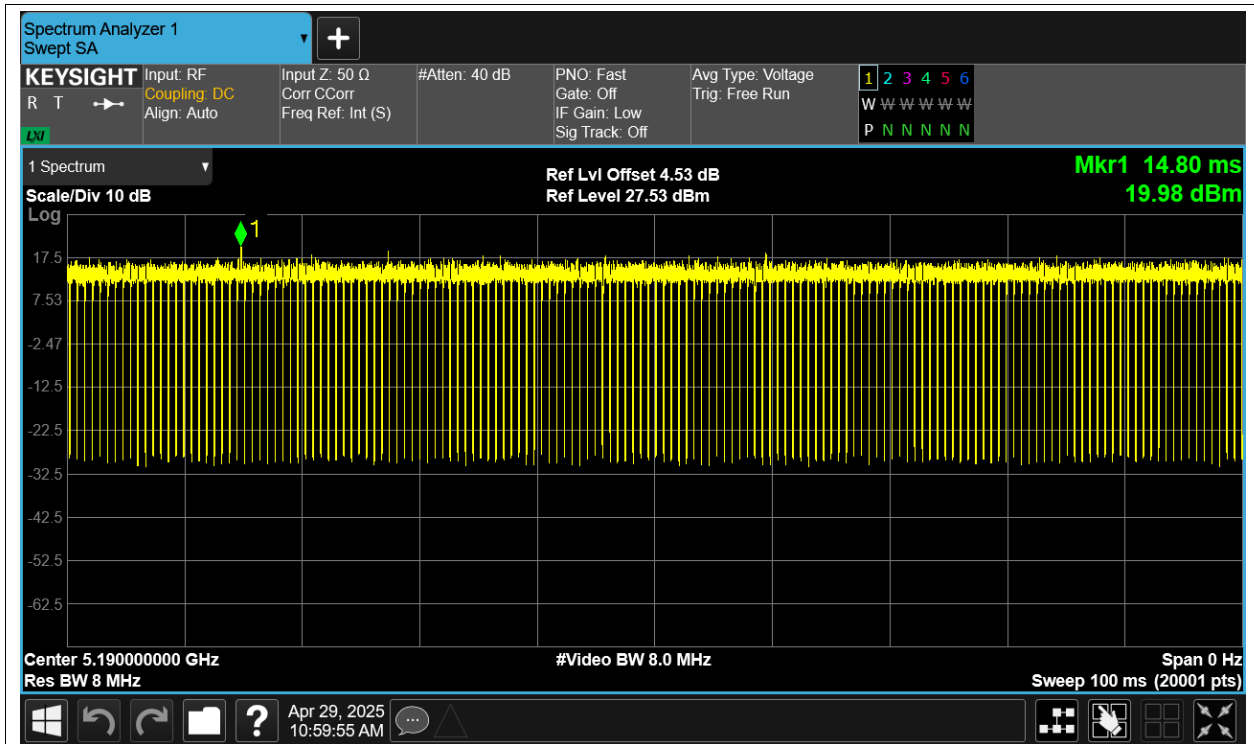
Duty Cycle NVNT ac20 5200MHz Ant1



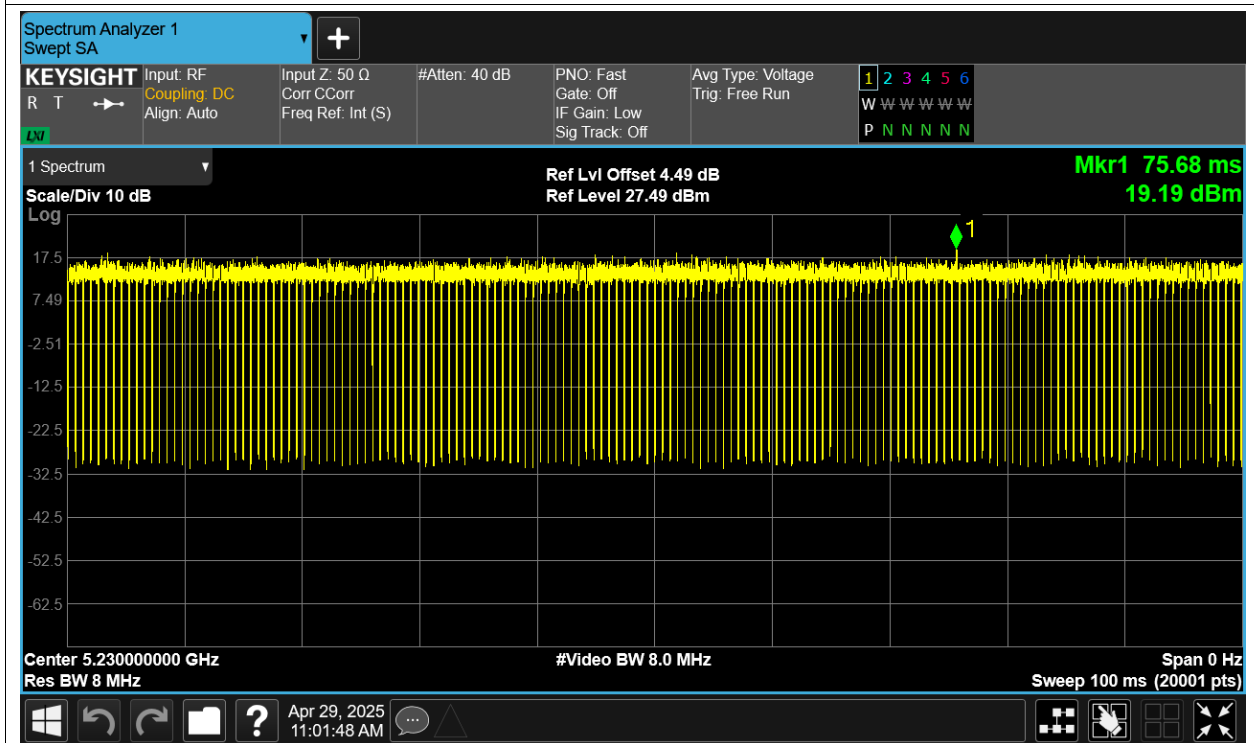
Duty Cycle NVNT ac20 5240MHz Ant1



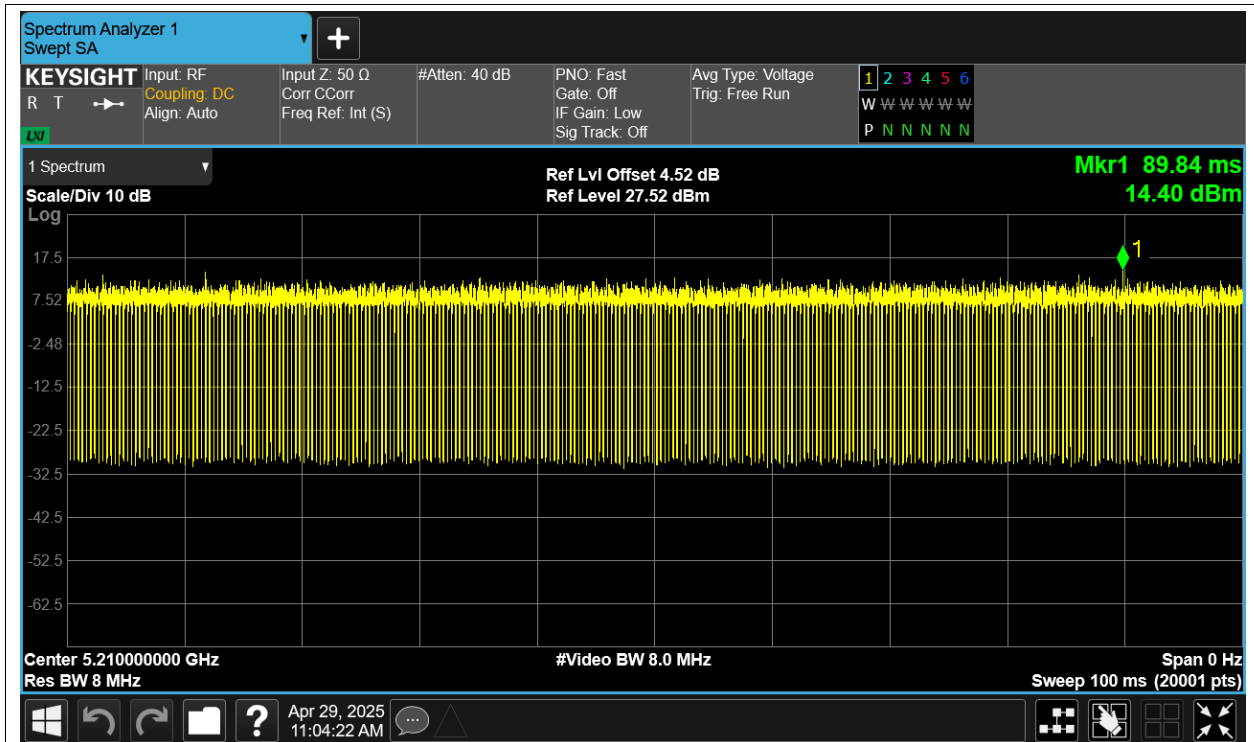
Duty Cycle NVNT ac40 5190MHz Ant1



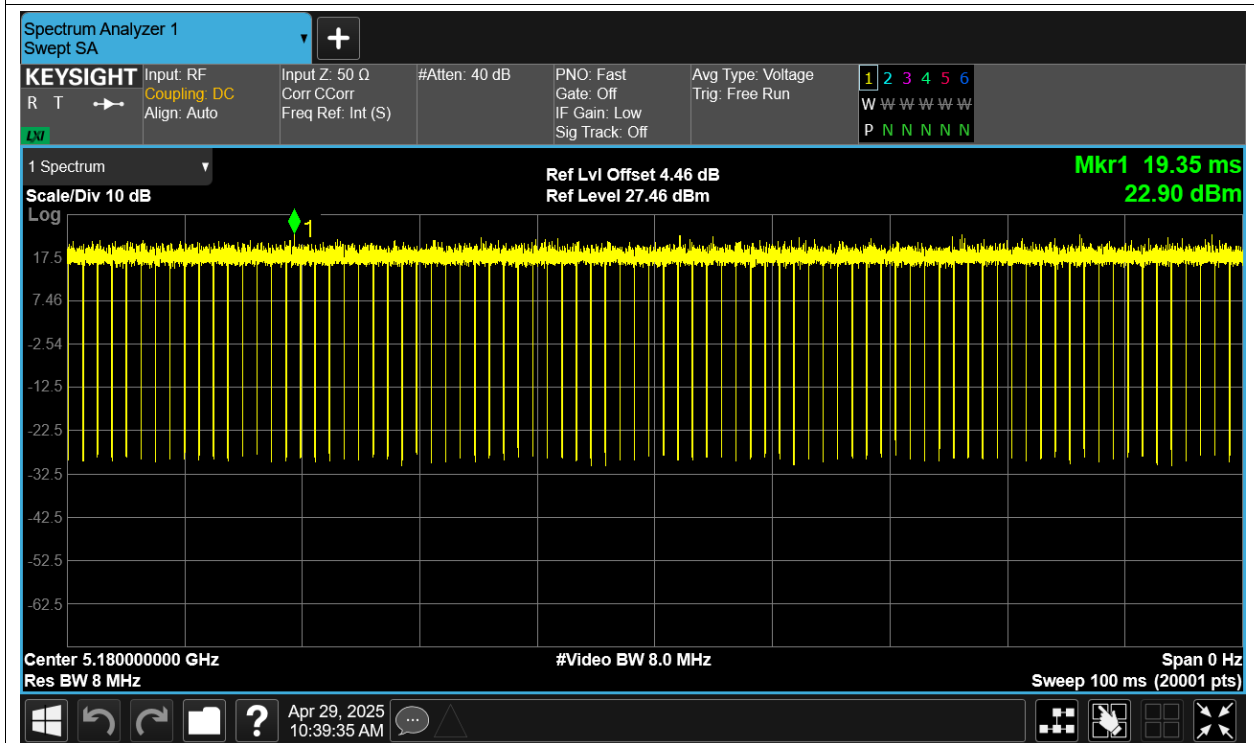
Duty Cycle NVNT ac40 5230MHz Ant1



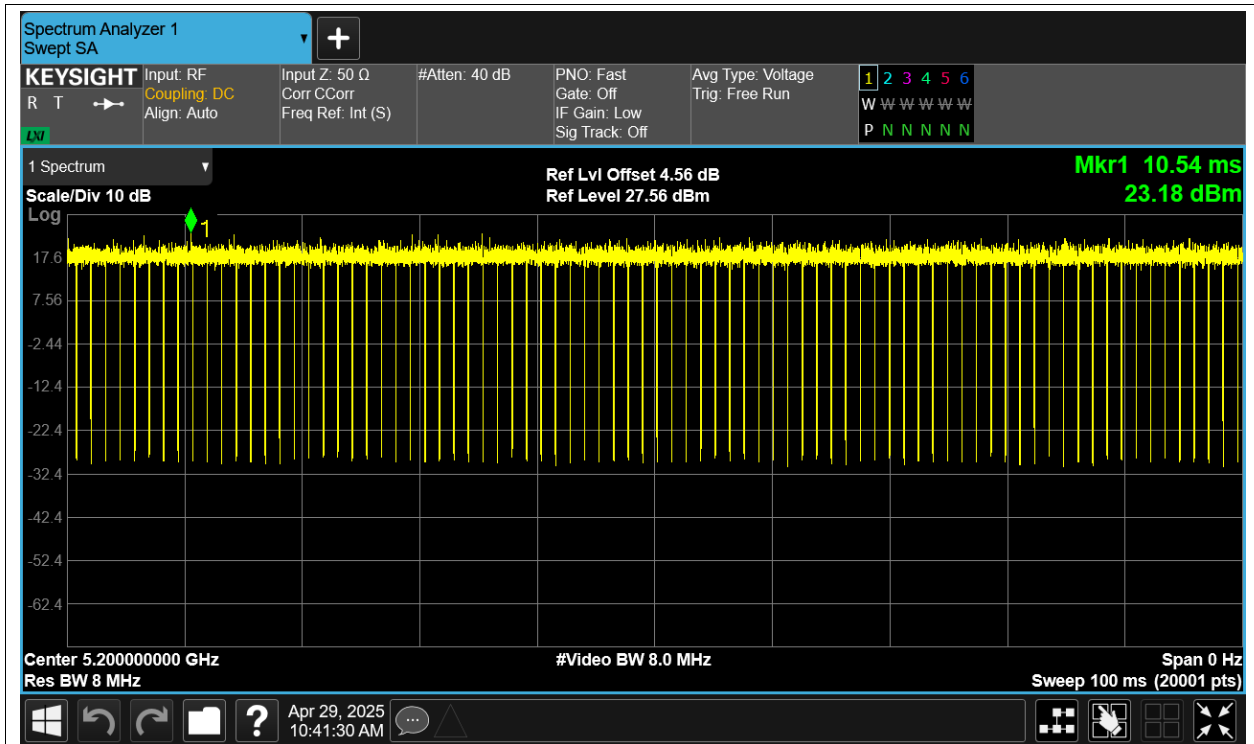
Duty Cycle NVNT ac80 5210MHz Ant1



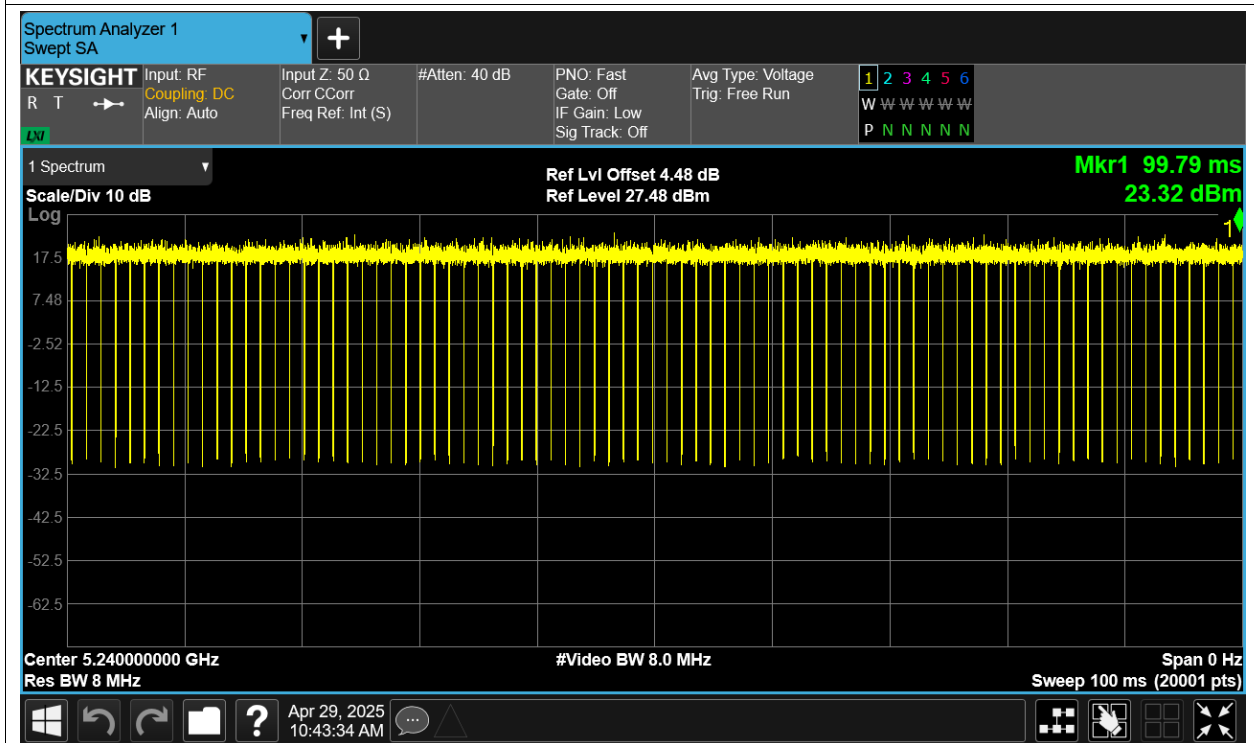
Duty Cycle NVNT n20 5180MHz Ant1



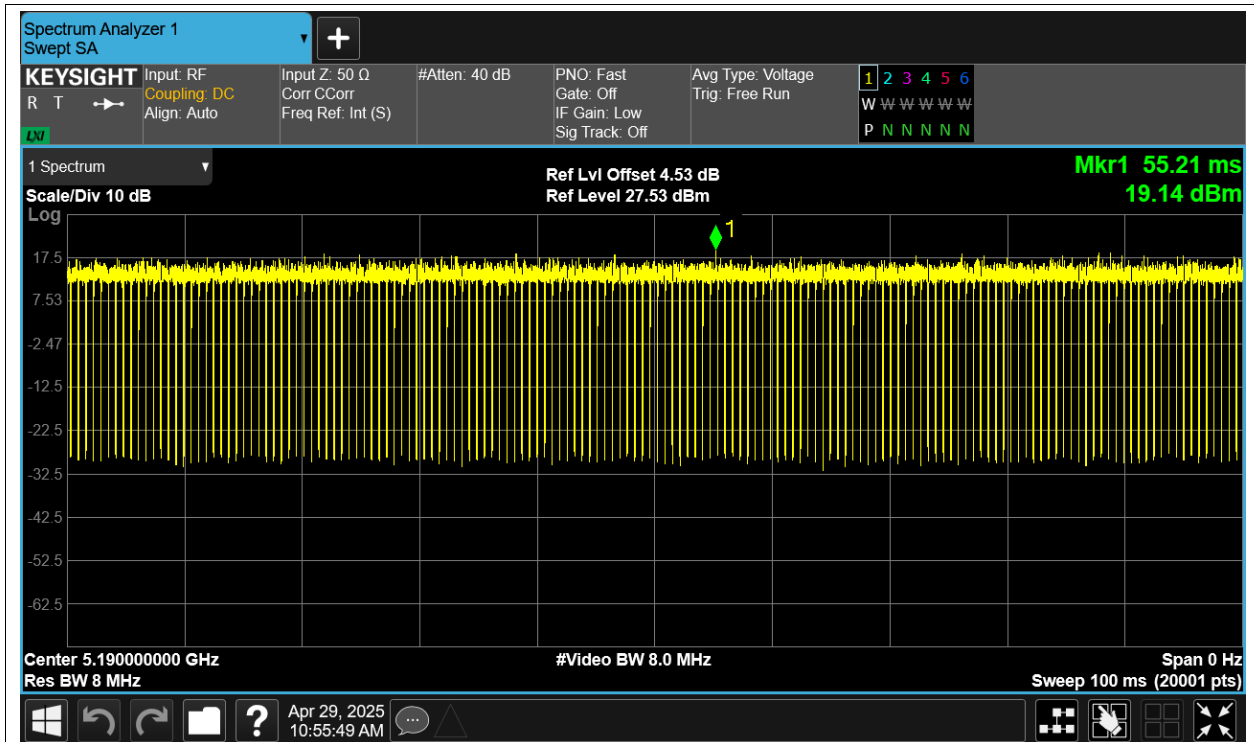
Duty Cycle NVNT n20 5200MHz Ant1



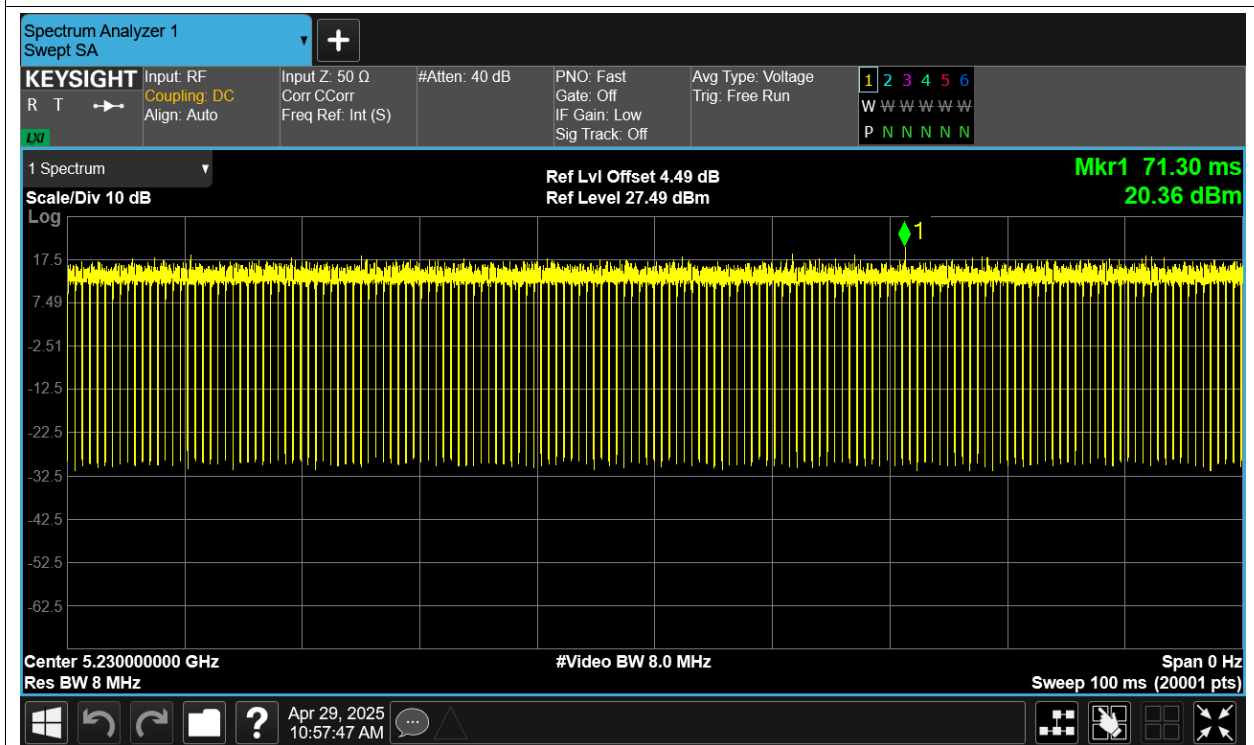
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1

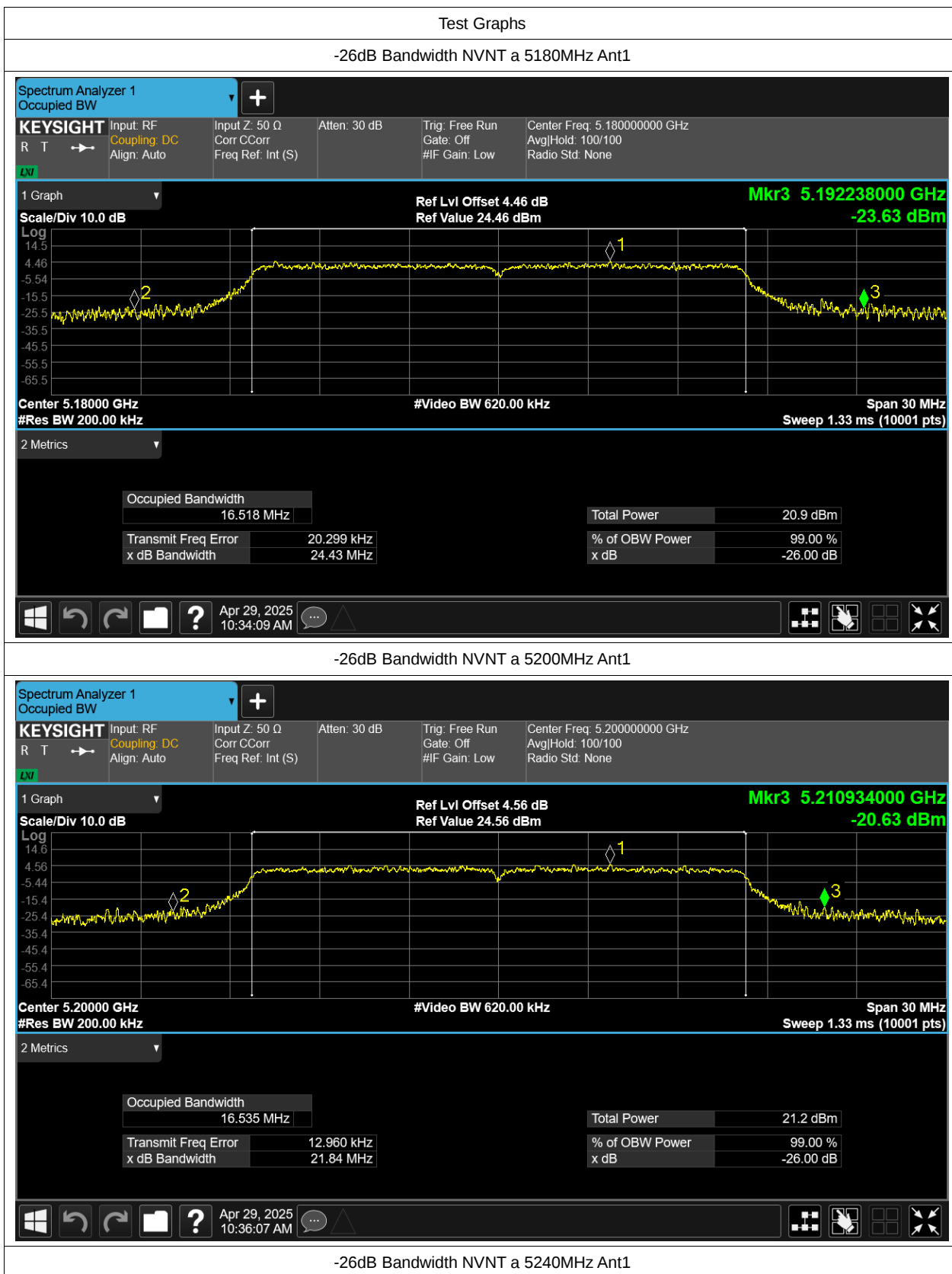


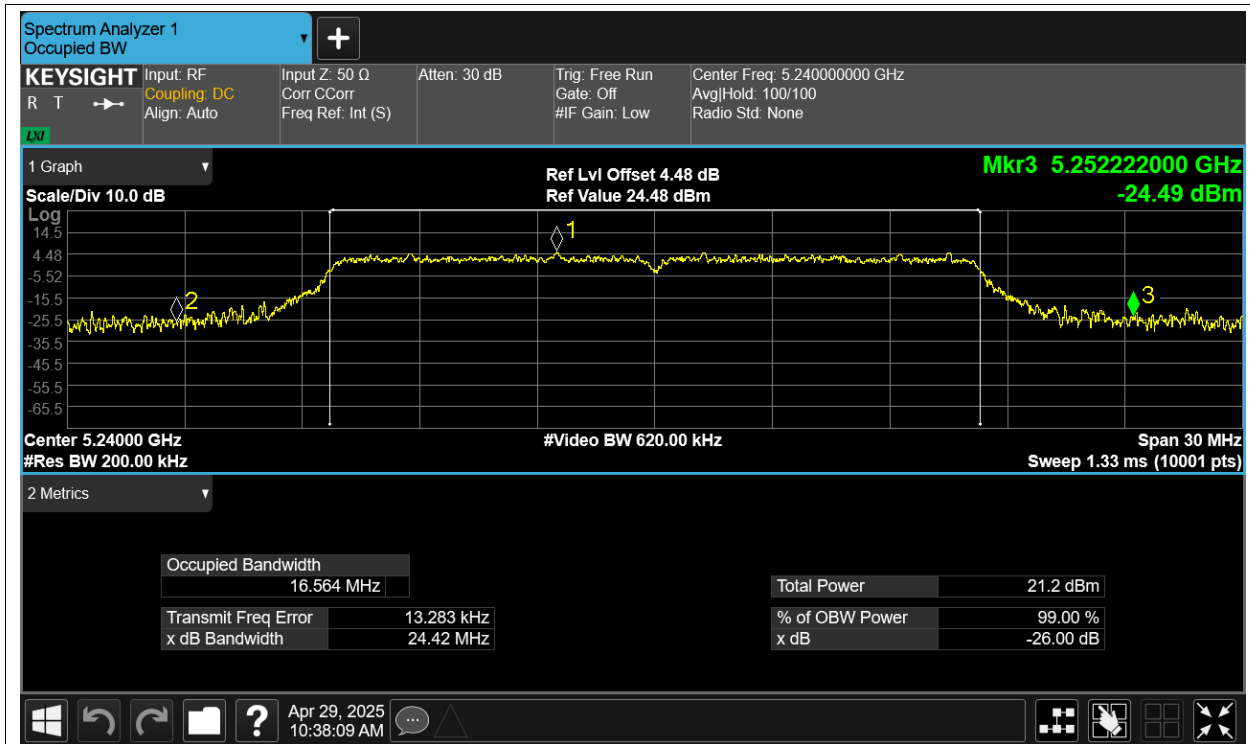
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	15.05	0.15	15.2	24	Pass
NVNT	a	5200	Ant1	15.48	0.15	15.63	24	Pass
NVNT	a	5240	Ant1	15.13	0.15	15.28	24	Pass
NVNT	ac20	5180	Ant1	14.42	0.17	14.59	24	Pass
NVNT	ac20	5200	Ant1	14.94	0.17	15.11	24	Pass
NVNT	ac20	5240	Ant1	14.52	0.17	14.69	24	Pass
NVNT	ac40	5190	Ant1	14.06	0.34	14.4	23	Pass
NVNT	ac40	5230	Ant1	14.15	0.34	14.49	24	Pass
NVNT	ac80	5210	Ant1	13.26	0.64	13.9	24	Pass
NVNT	n20	5180	Ant1	14.38	0.18	14.56	24	Pass
NVNT	n20	5200	Ant1	14.9	0.18	15.08	24	Pass
NVNT	n20	5240	Ant1	14.66	0.18	14.84	24	Pass
NVNT	n40	5190	Ant1	14	0.32	14.32	24	Pass
NVNT	n40	5230	Ant1	14.13	0.36	14.49	24	Pass

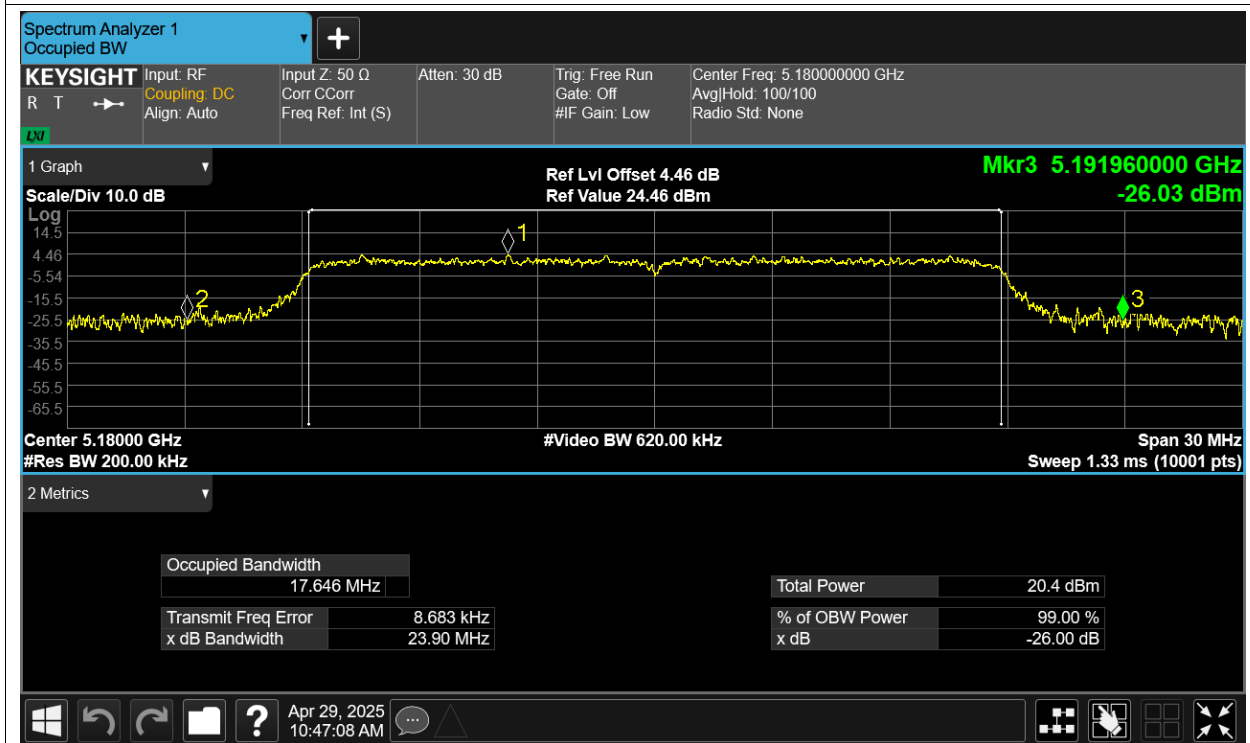
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	24.435
NVNT	a	5200	Ant1	21.843
NVNT	a	5240	Ant1	24.418
NVNT	ac20	5180	Ant1	23.902
NVNT	ac20	5200	Ant1	27.938
NVNT	ac20	5240	Ant1	26.904
NVNT	ac40	5190	Ant1	44.262
NVNT	ac40	5230	Ant1	43.338
NVNT	ac80	5210	Ant1	81.904
NVNT	n20	5180	Ant1	26.24
NVNT	n20	5200	Ant1	27.252
NVNT	n20	5240	Ant1	27.981
NVNT	n40	5190	Ant1	42.48
NVNT	n40	5230	Ant1	43.064

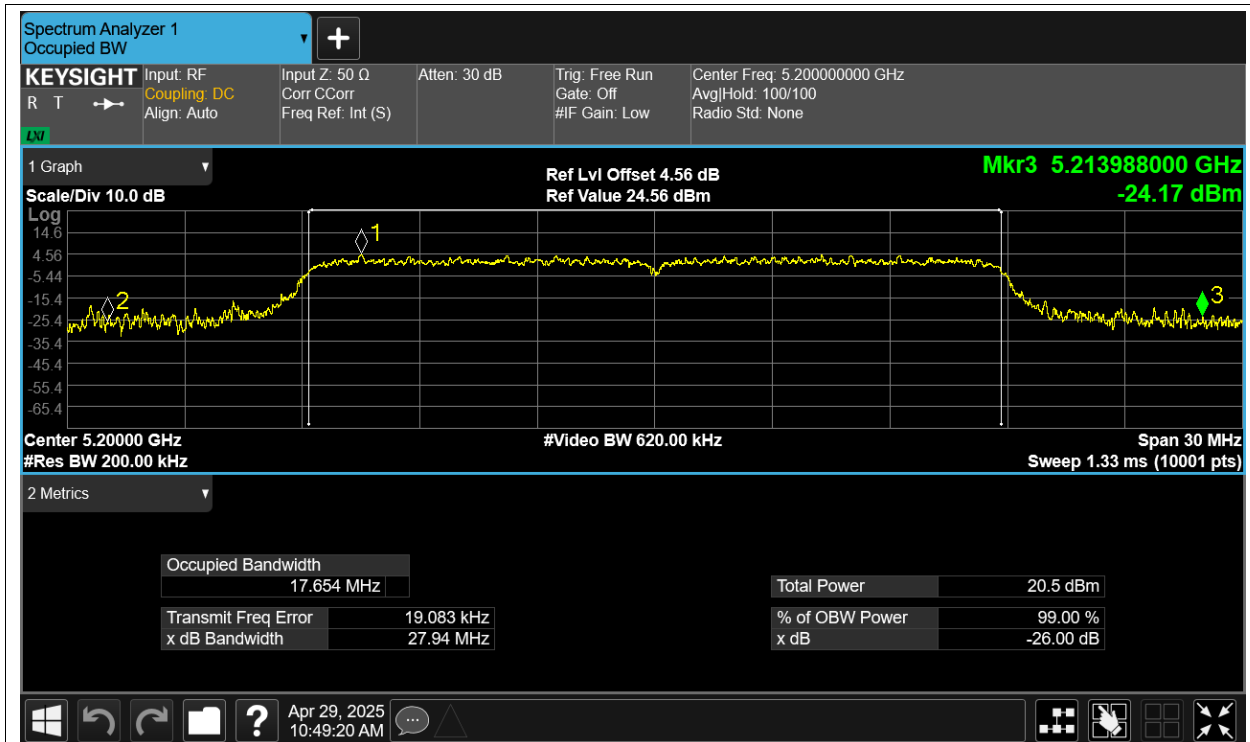




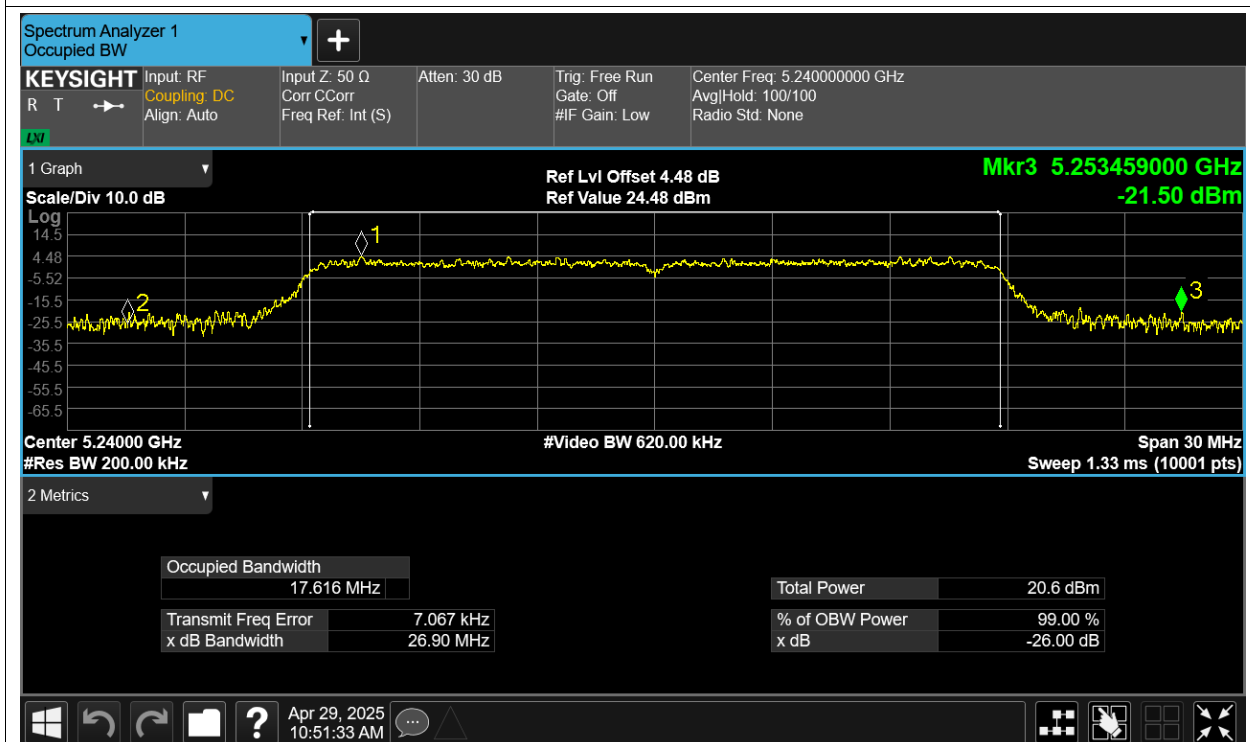
-26dB Bandwidth NVNT ac20 5180MHz Ant1



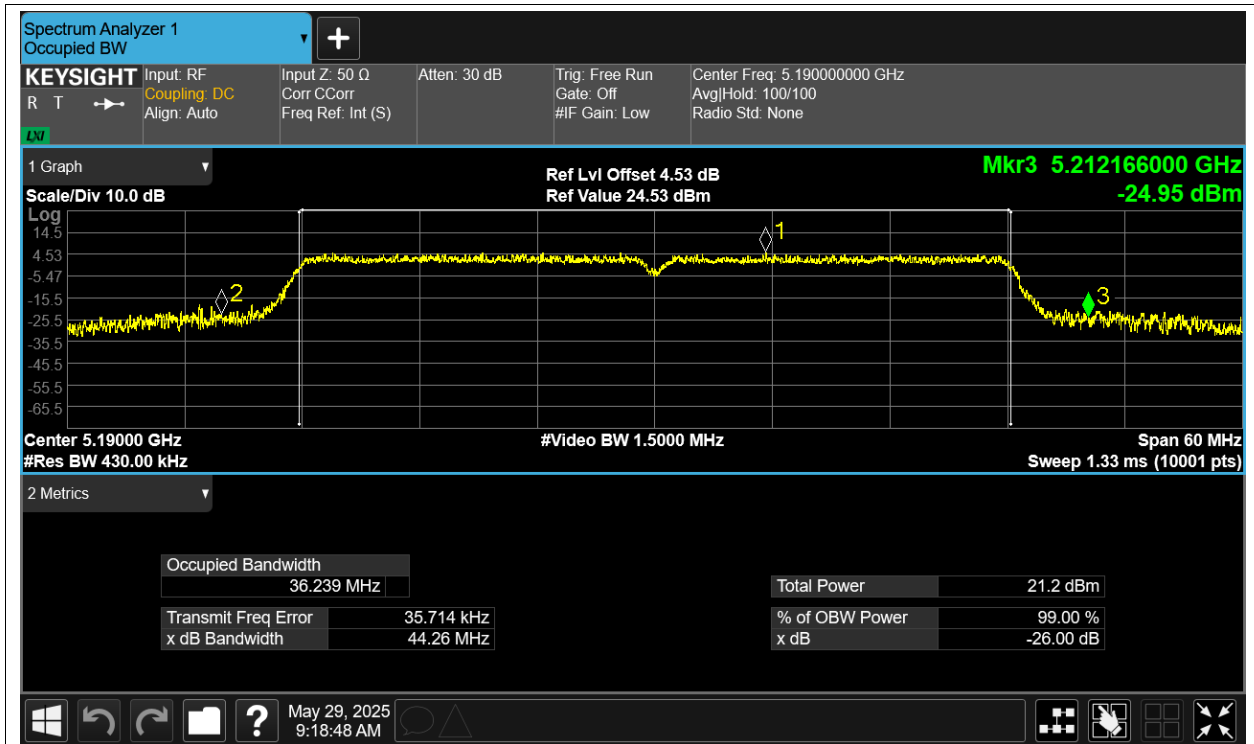
-26dB Bandwidth NVNT ac20 5200MHz Ant1



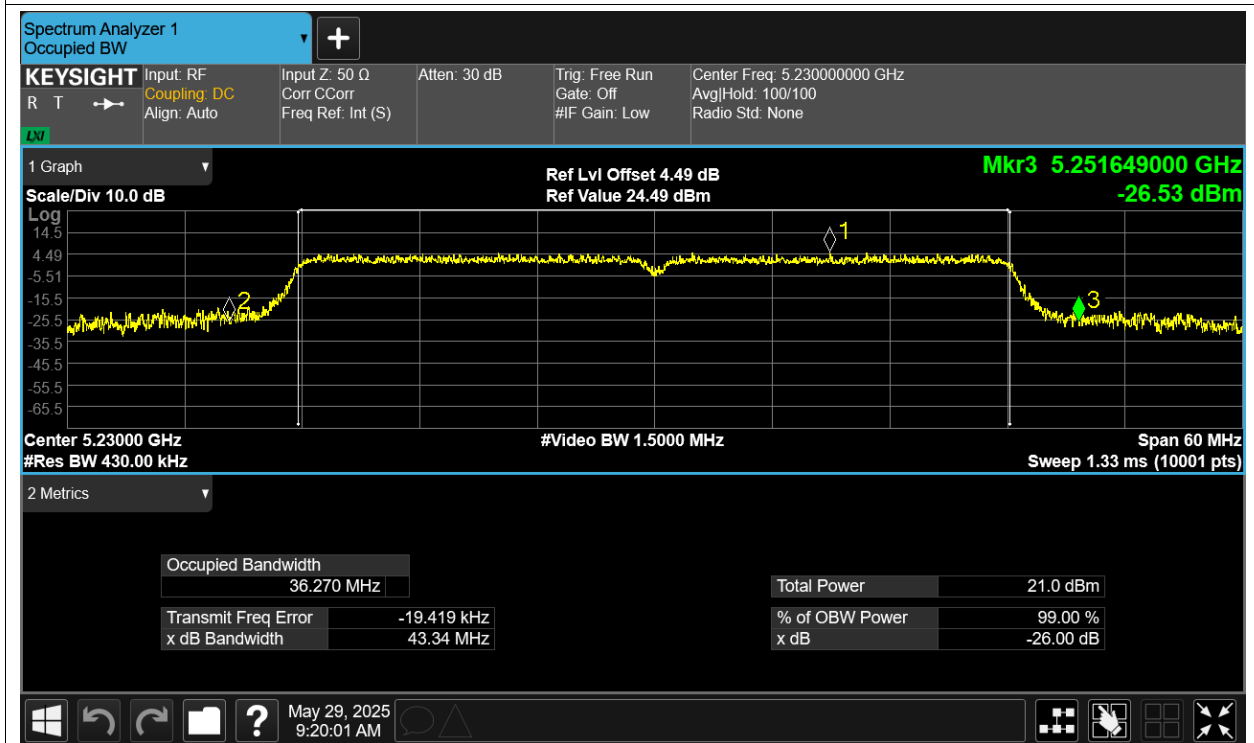
-26dB Bandwidth NVNT ac20 5240MHz Ant1



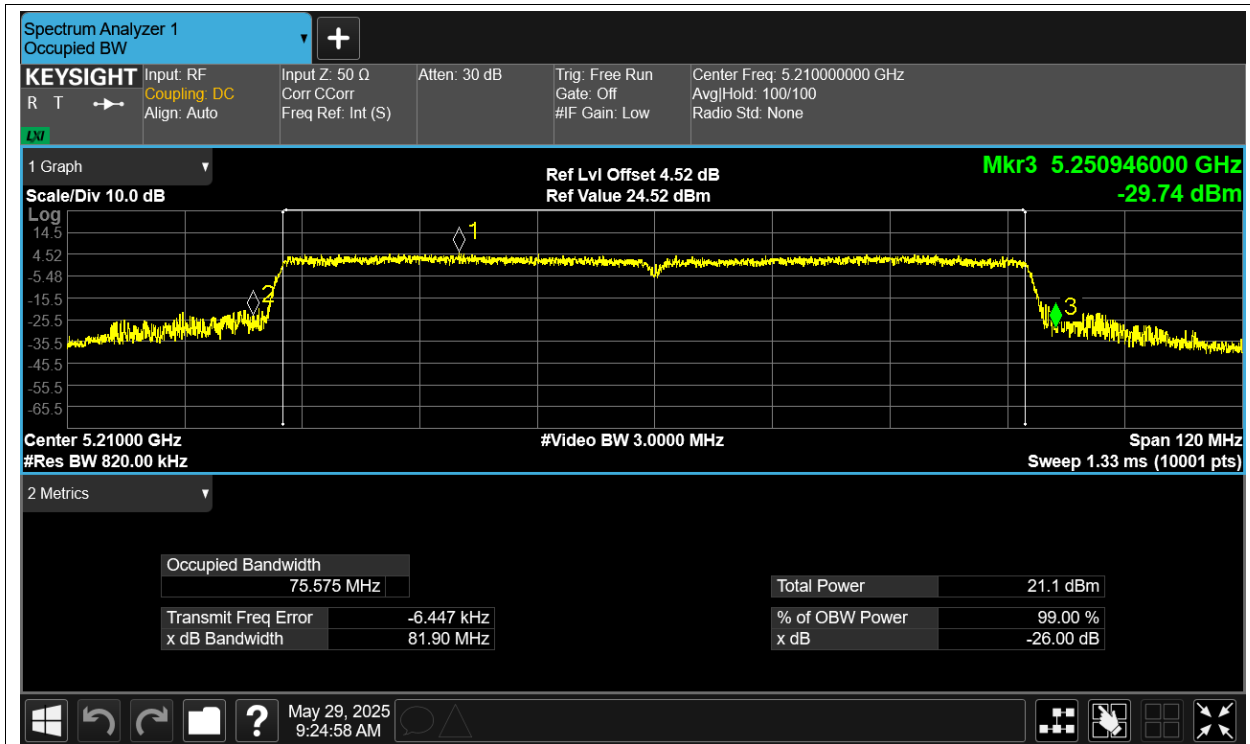
-26dB Bandwidth NVNT ac40 5190MHz Ant1



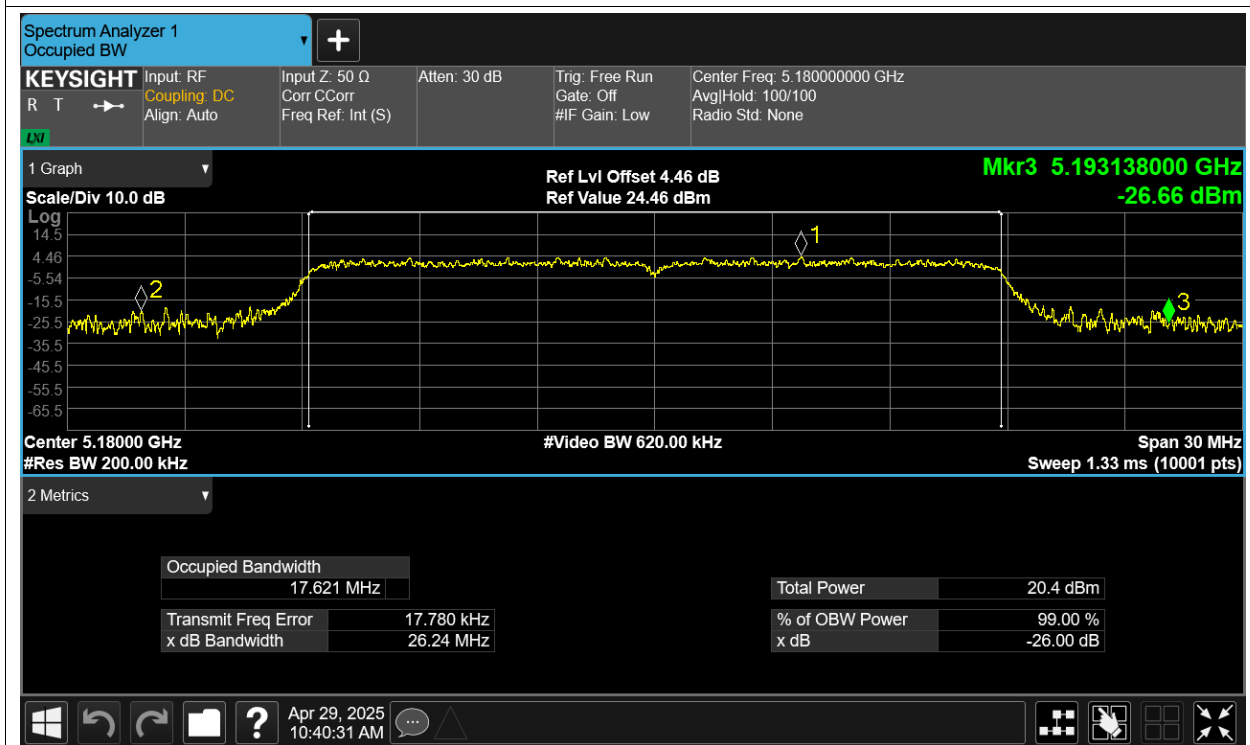
-26dB Bandwidth NVNT ac40 5230MHz Ant1



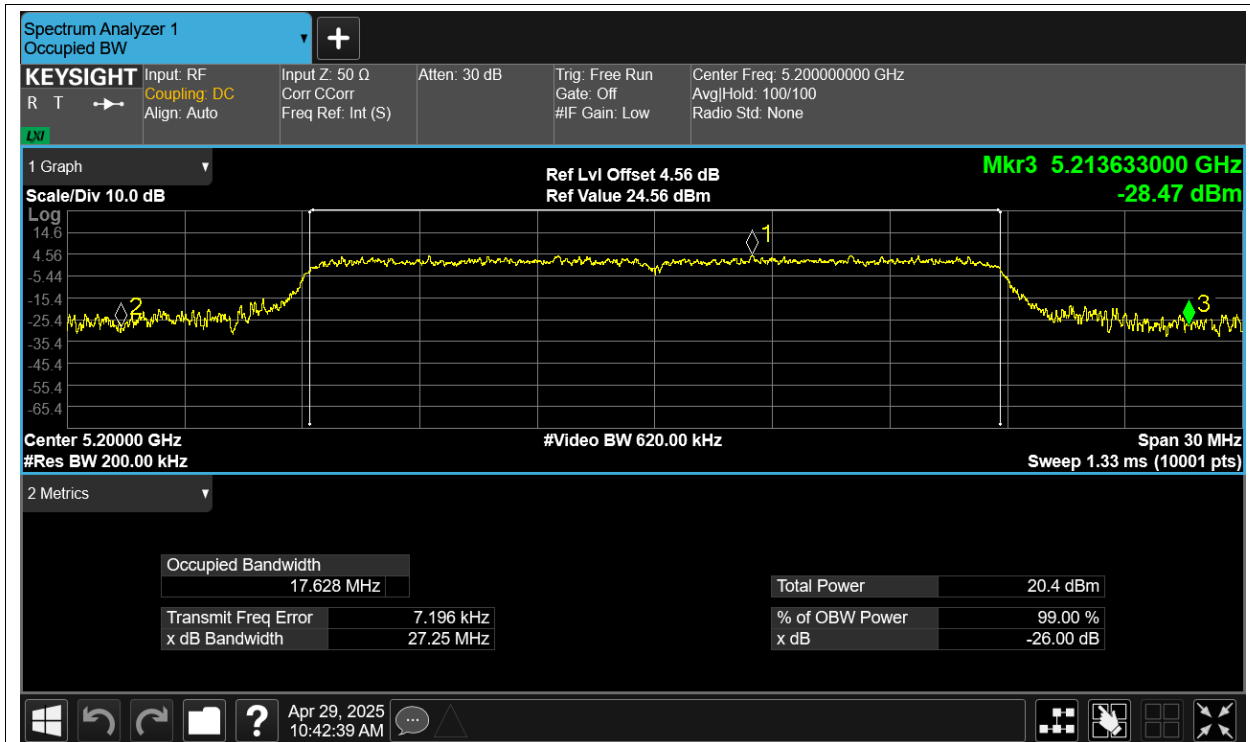
-26dB Bandwidth NVNT ac80 5210MHz Ant1



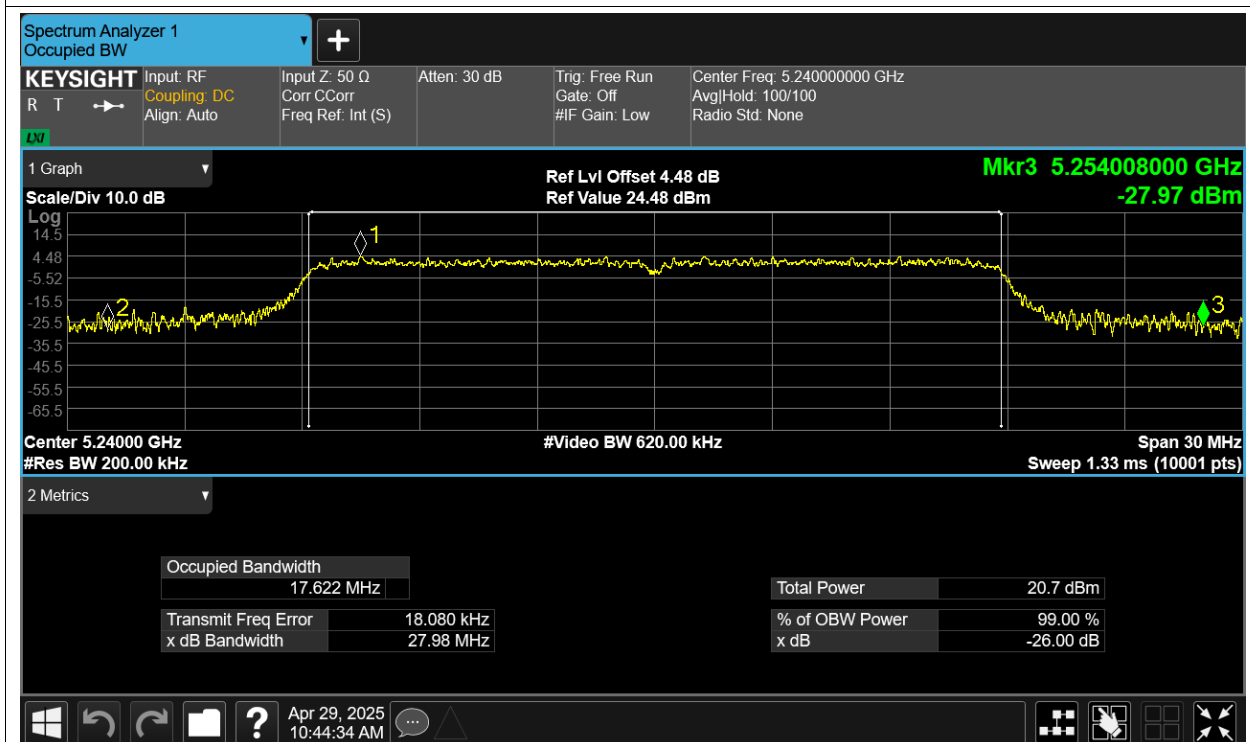
-26dB Bandwidth NVNT n20 5180MHz Ant1



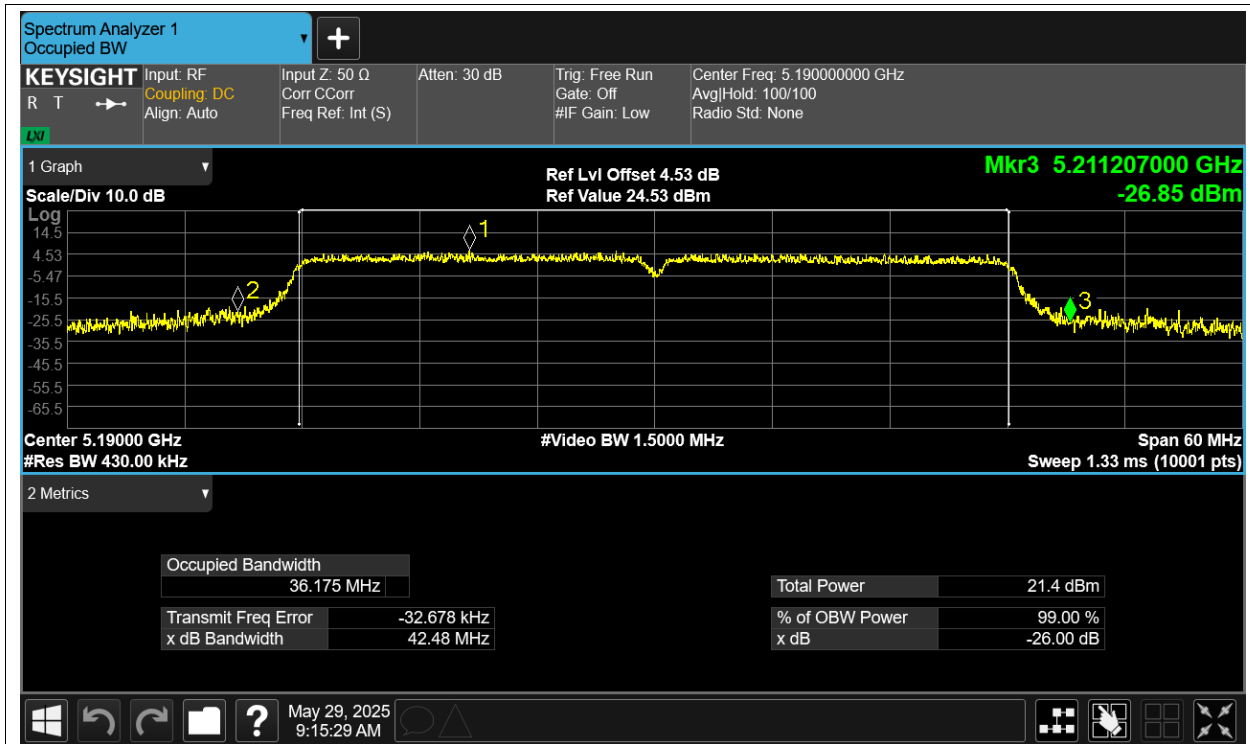
-26dB Bandwidth NVNT n20 5200MHz Ant1



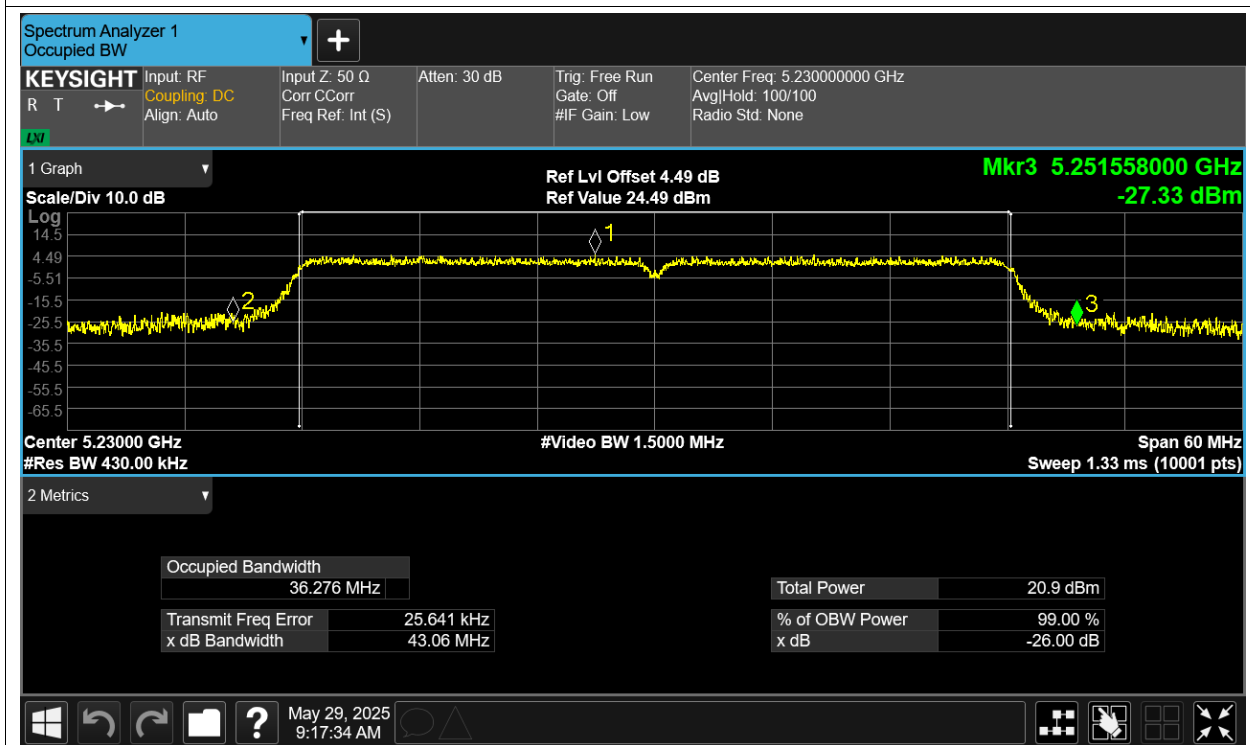
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

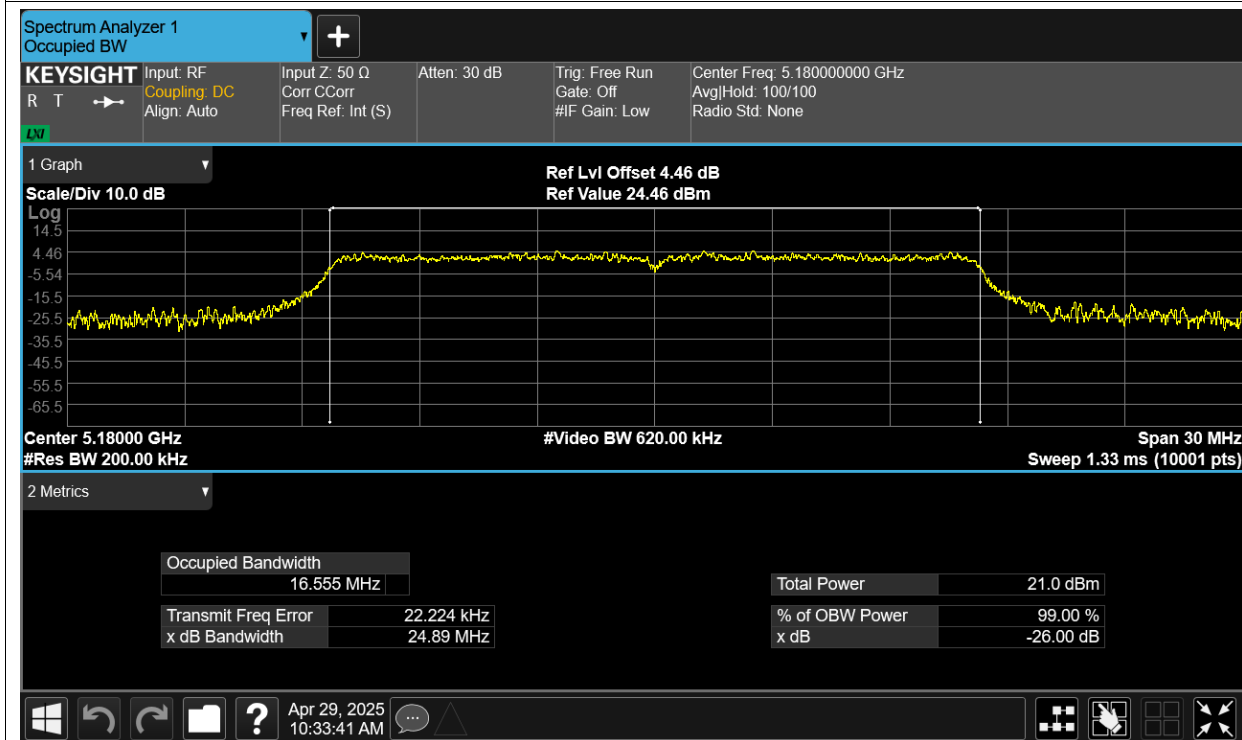


Occupied Channel Bandwidth

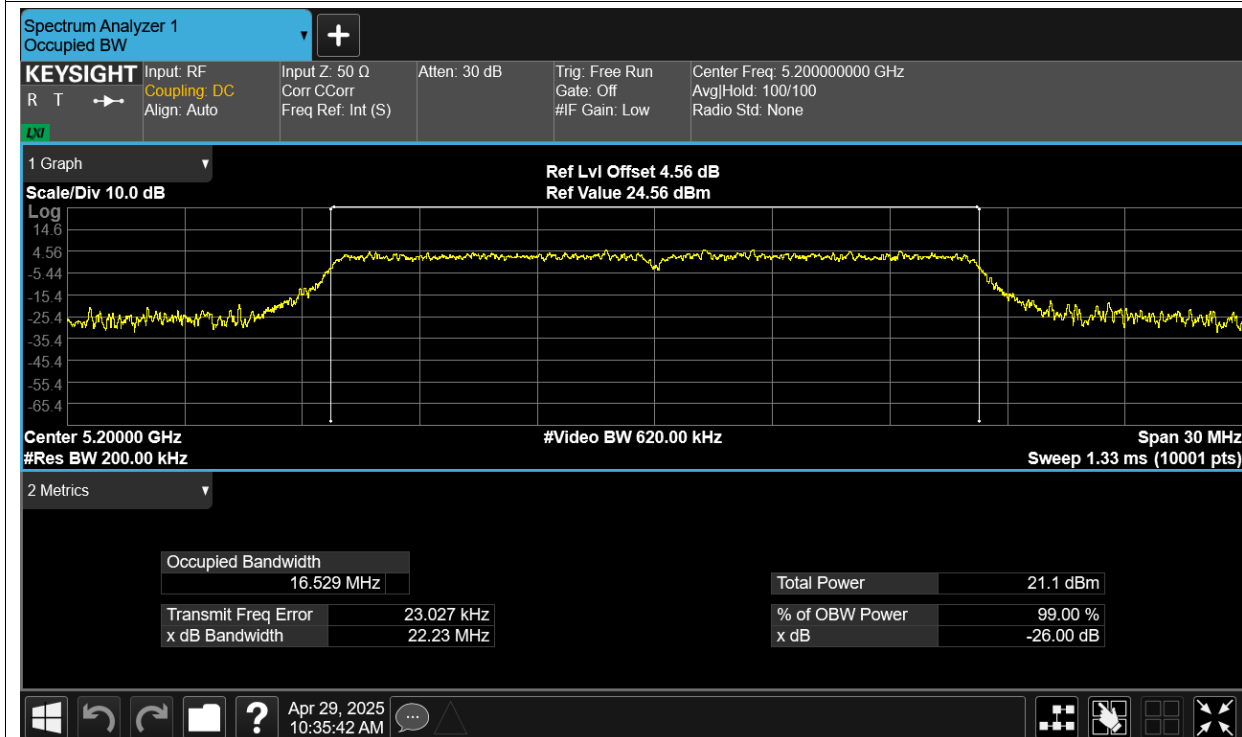
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.555
NVNT	a	5200	Ant1	16.529
NVNT	a	5240	Ant1	16.528
NVNT	ac20	5180	Ant1	17.635
NVNT	ac20	5200	Ant1	17.645
NVNT	ac20	5240	Ant1	17.647
NVNT	ac40	5190	Ant1	36.218
NVNT	ac40	5230	Ant1	36.216
NVNT	ac80	5210	Ant1	75.515
NVNT	n20	5180	Ant1	17.628
NVNT	n20	5200	Ant1	17.645
NVNT	n20	5240	Ant1	17.647
NVNT	n40	5190	Ant1	36.178
NVNT	n40	5230	Ant1	36.232

Test Graphs

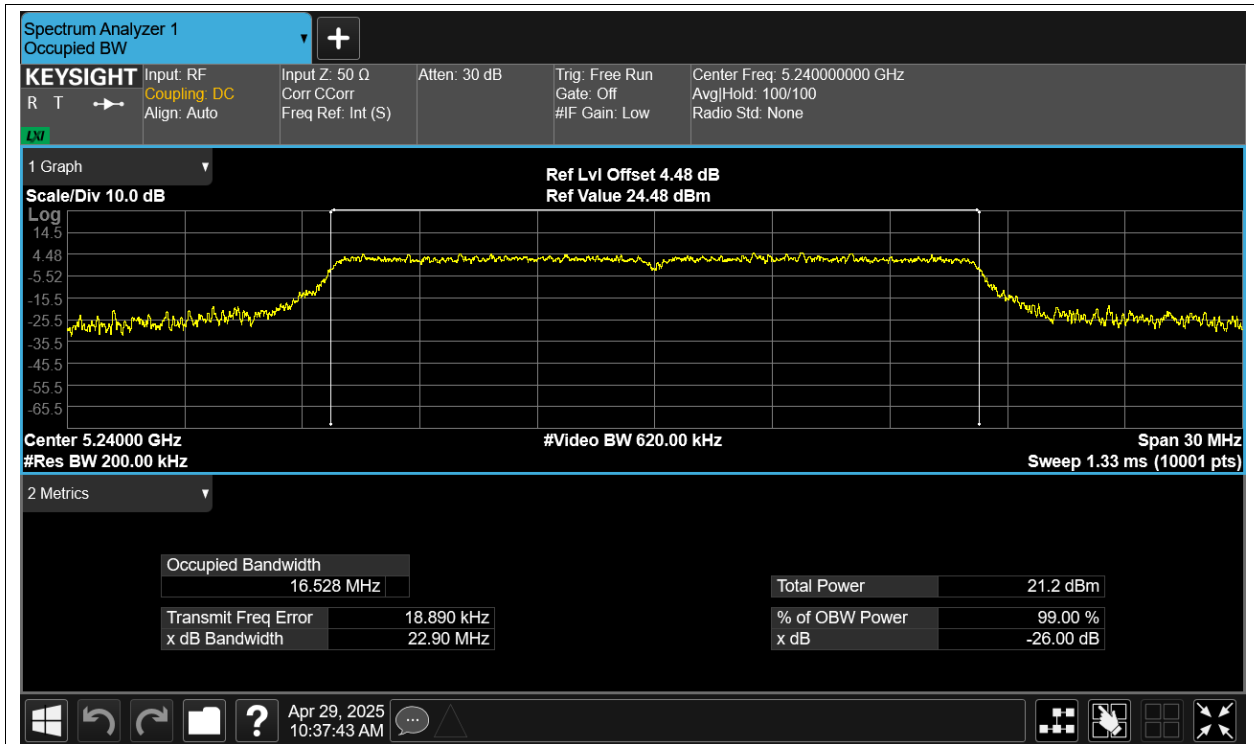
OBW NVNT a 5180MHz Ant1



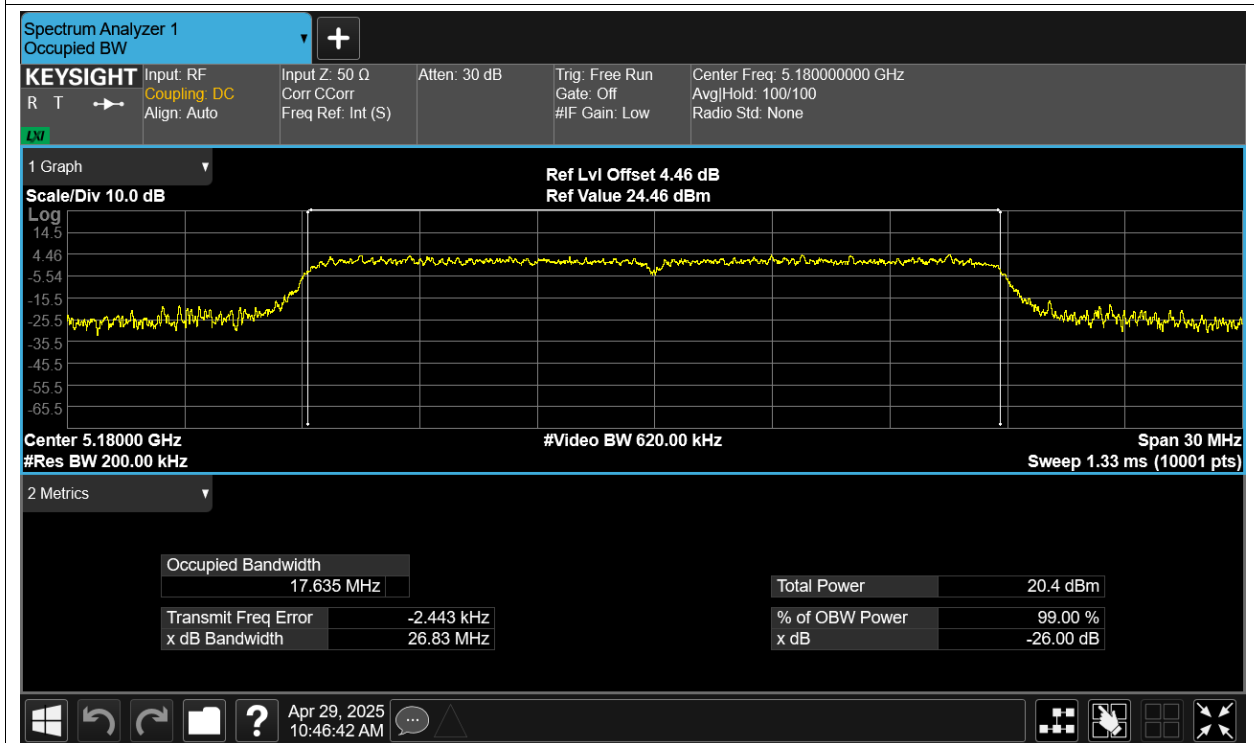
OBW NVNT a 5200MHz Ant1



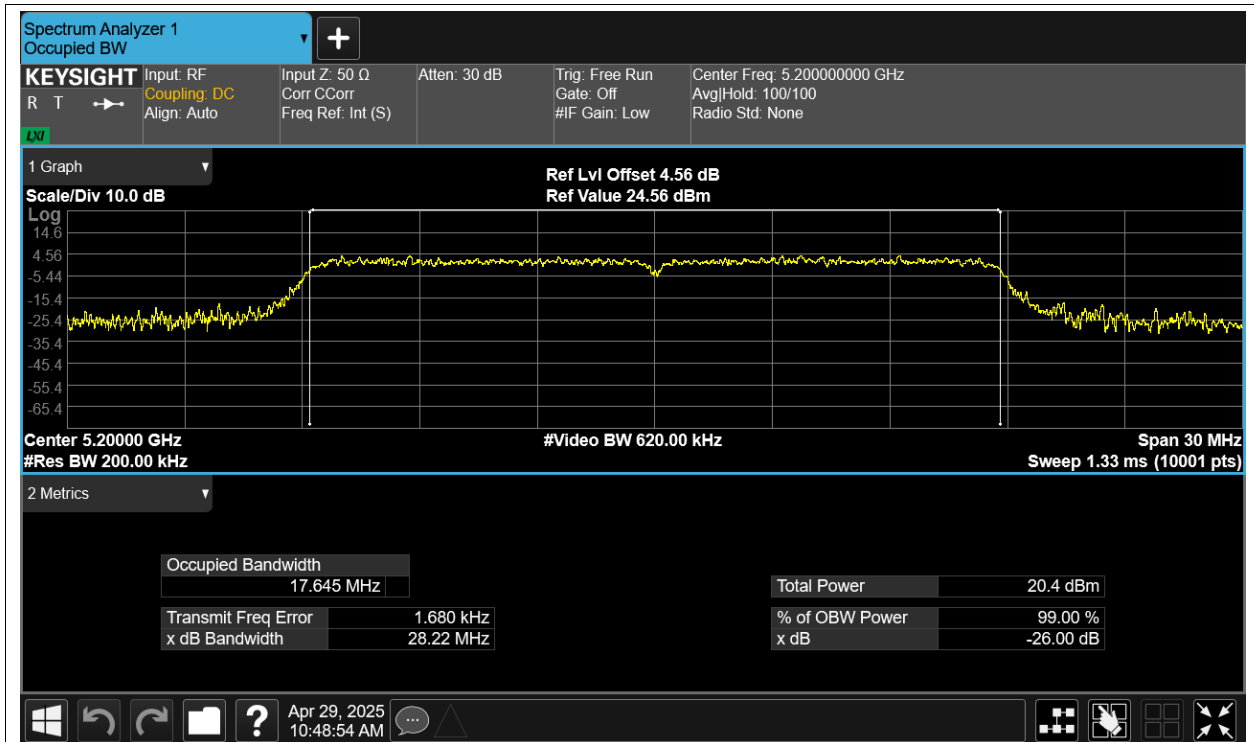
OBW NVNT a 5240MHz Ant1



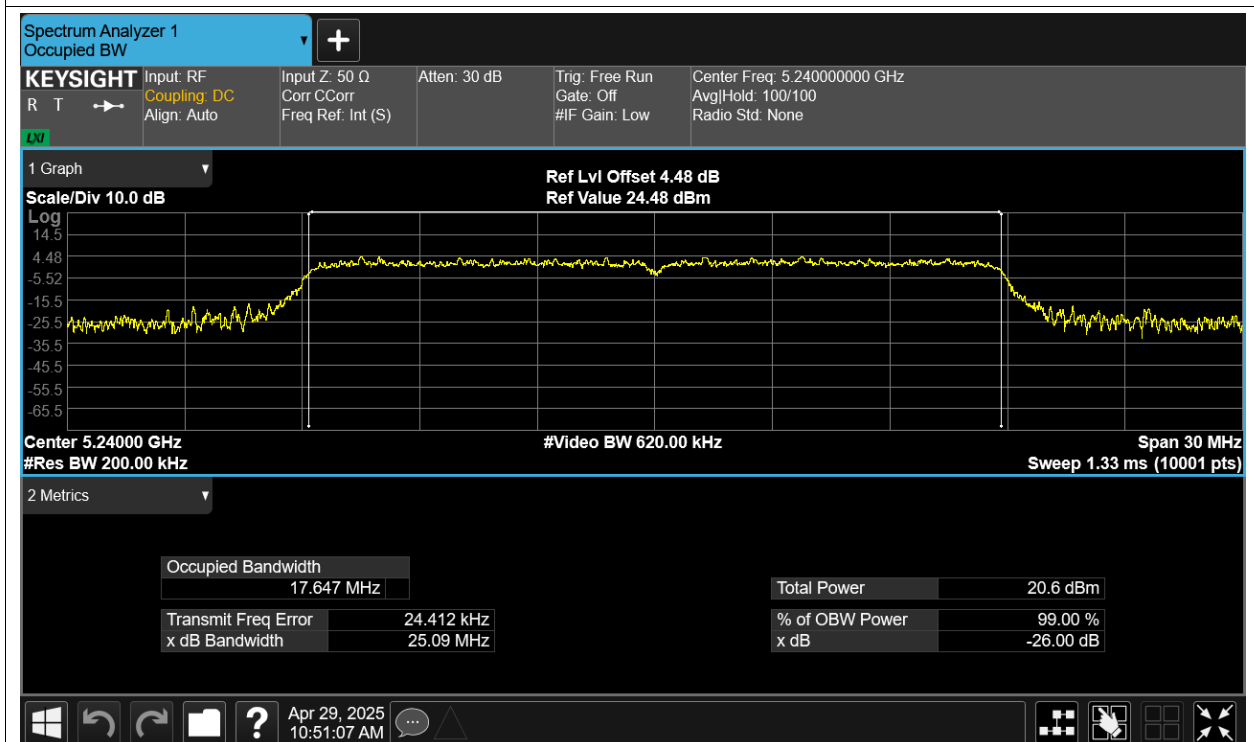
OBW NVNT ac20 5180MHz Ant1



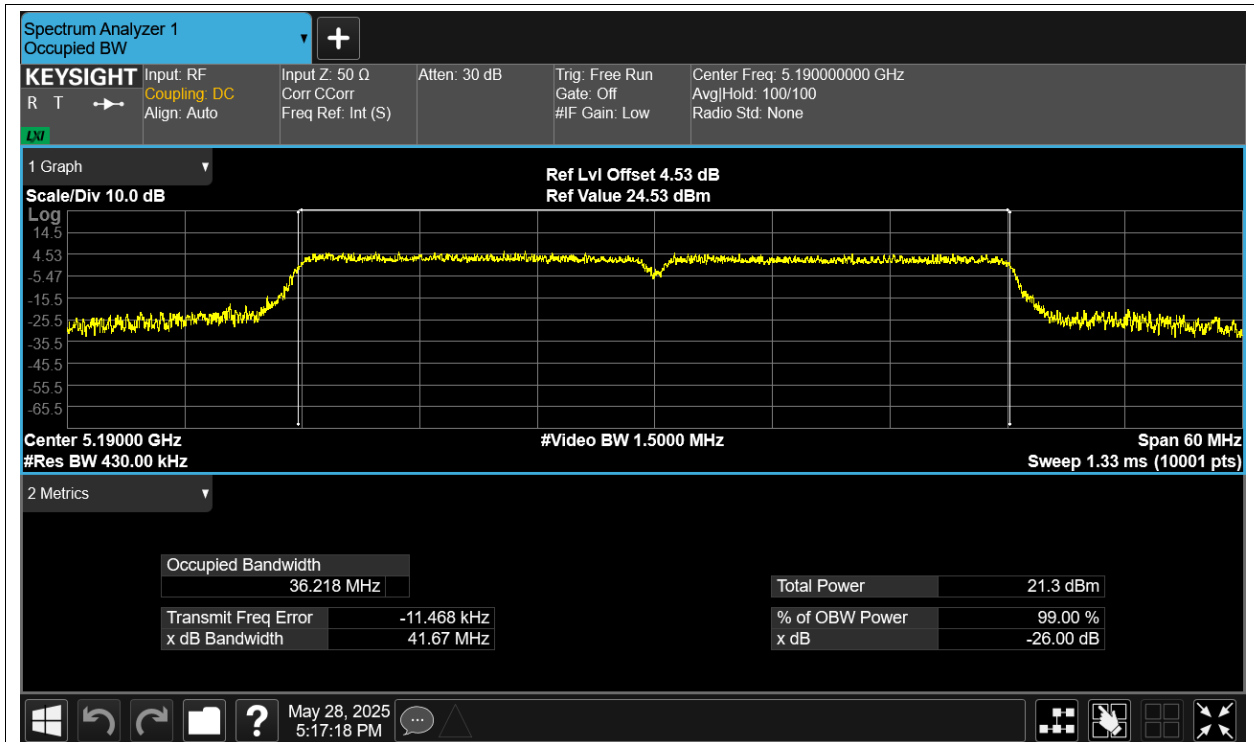
OBW NVNT ac20 5200MHz Ant1



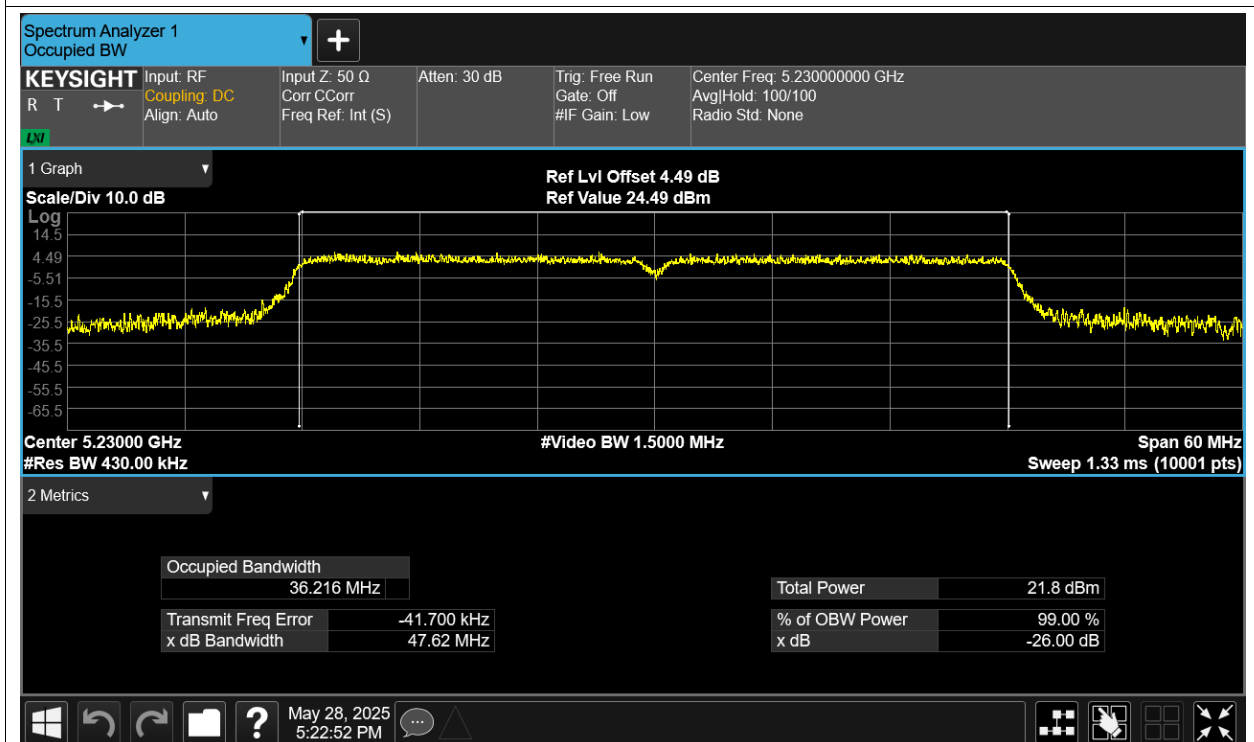
OBW NVNT ac20 5240MHz Ant1



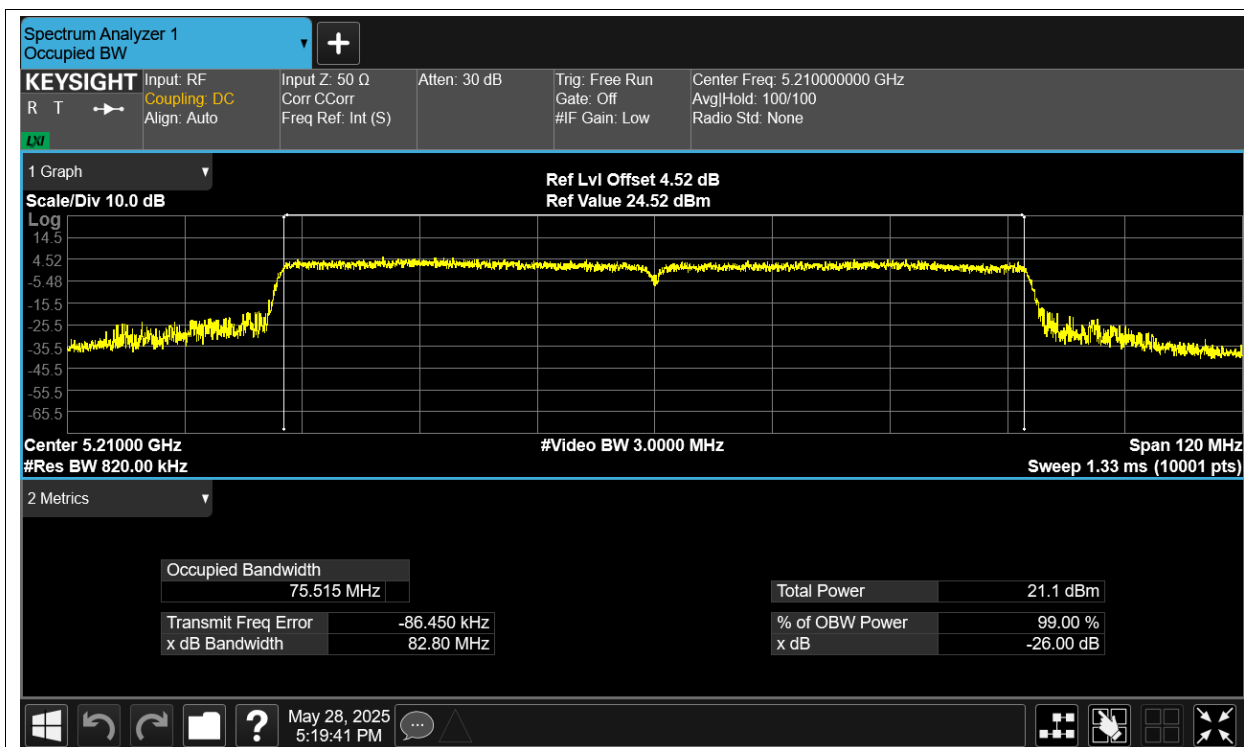
OBW NVNT ac40 5190MHz Ant1



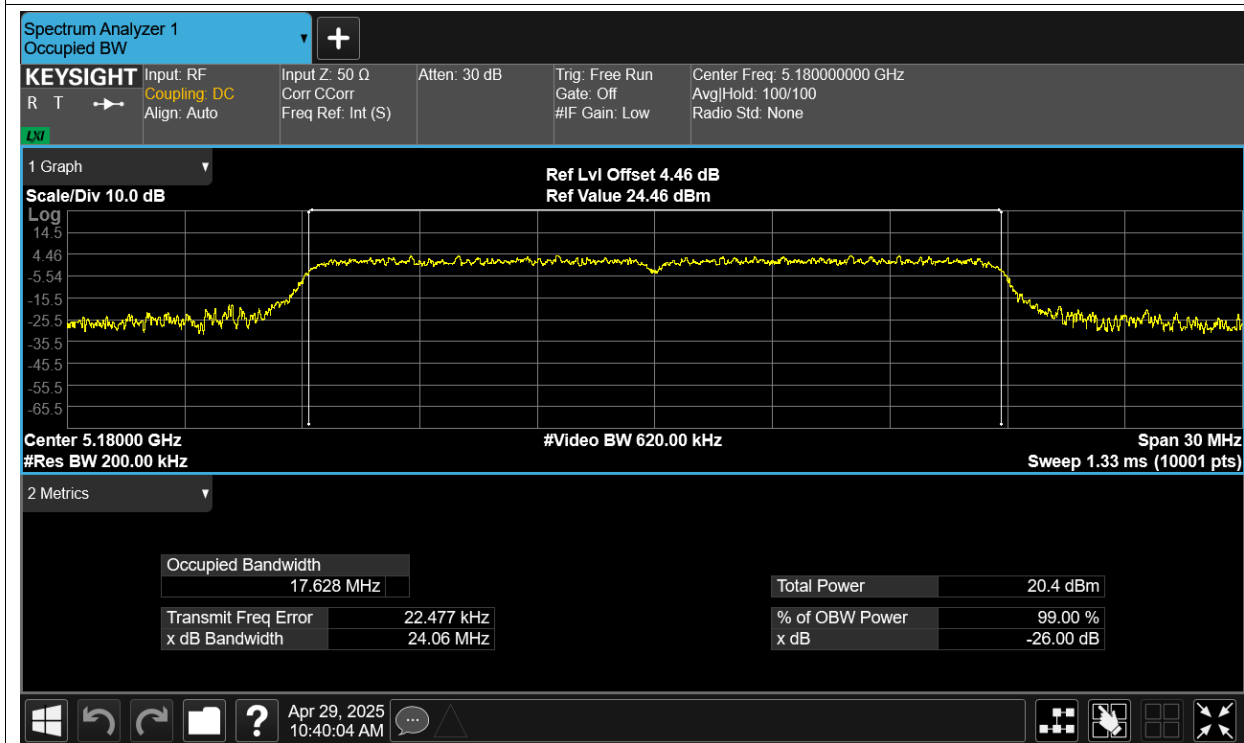
OBW NVNT ac40 5230MHz Ant1



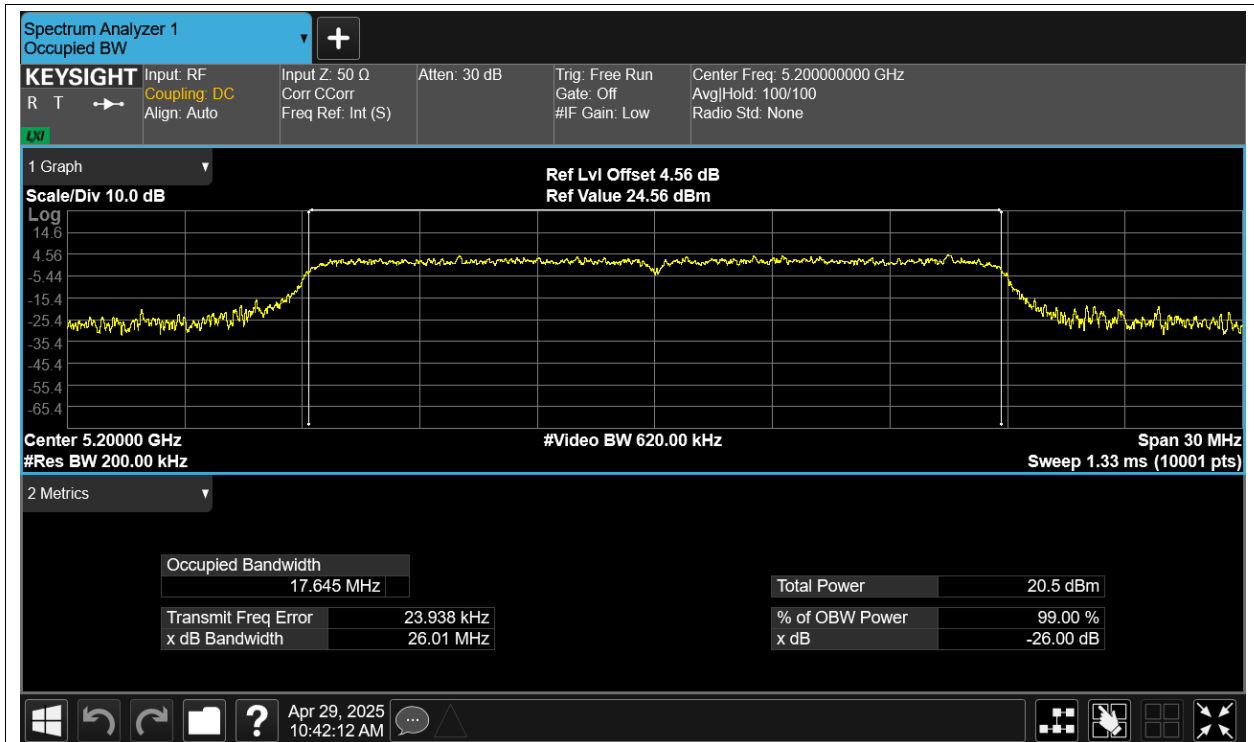
OBW NVNT ac80 5210MHz Ant1



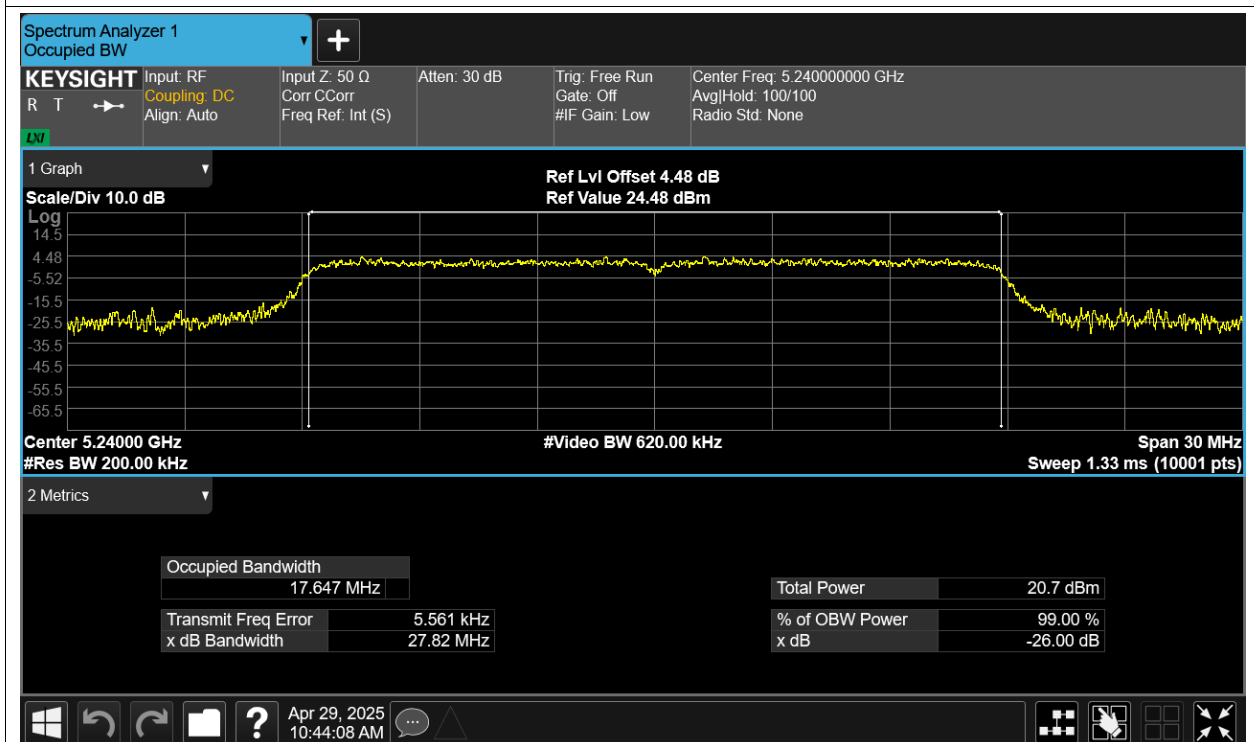
OBW NVNT n20 5180MHz Ant1



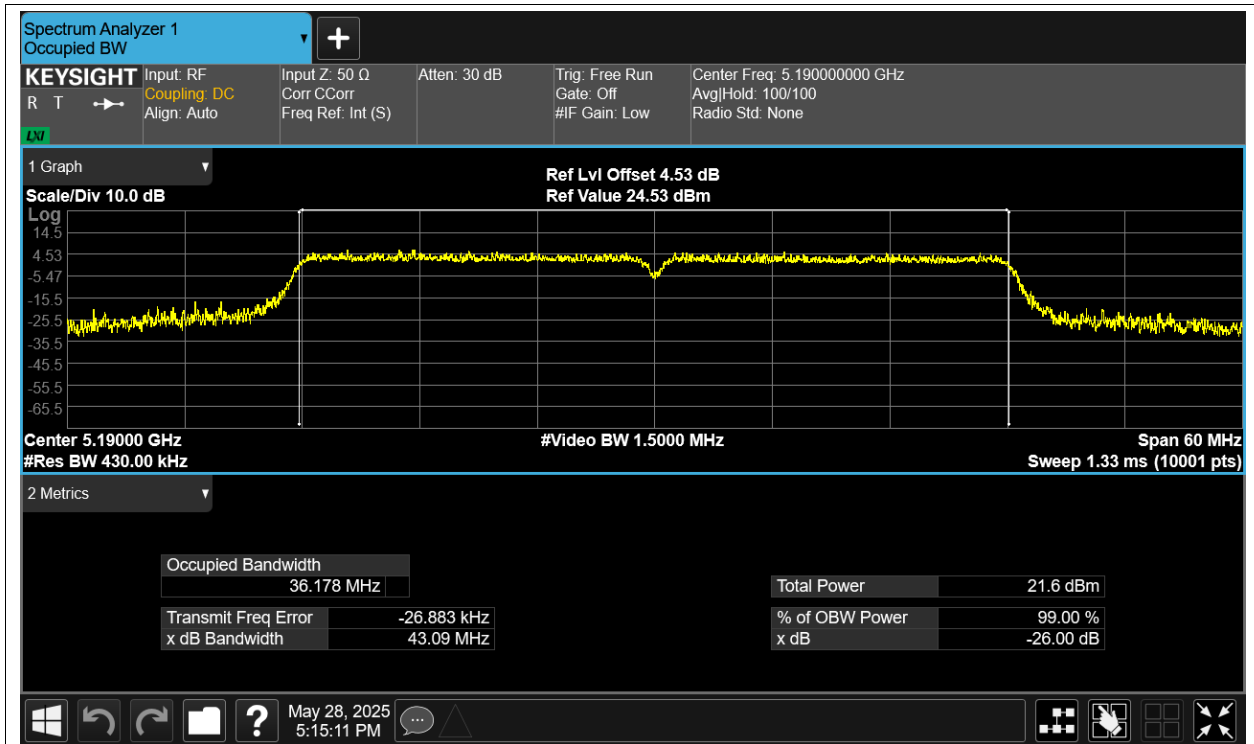
OBW NVNT n20 5200MHz Ant1



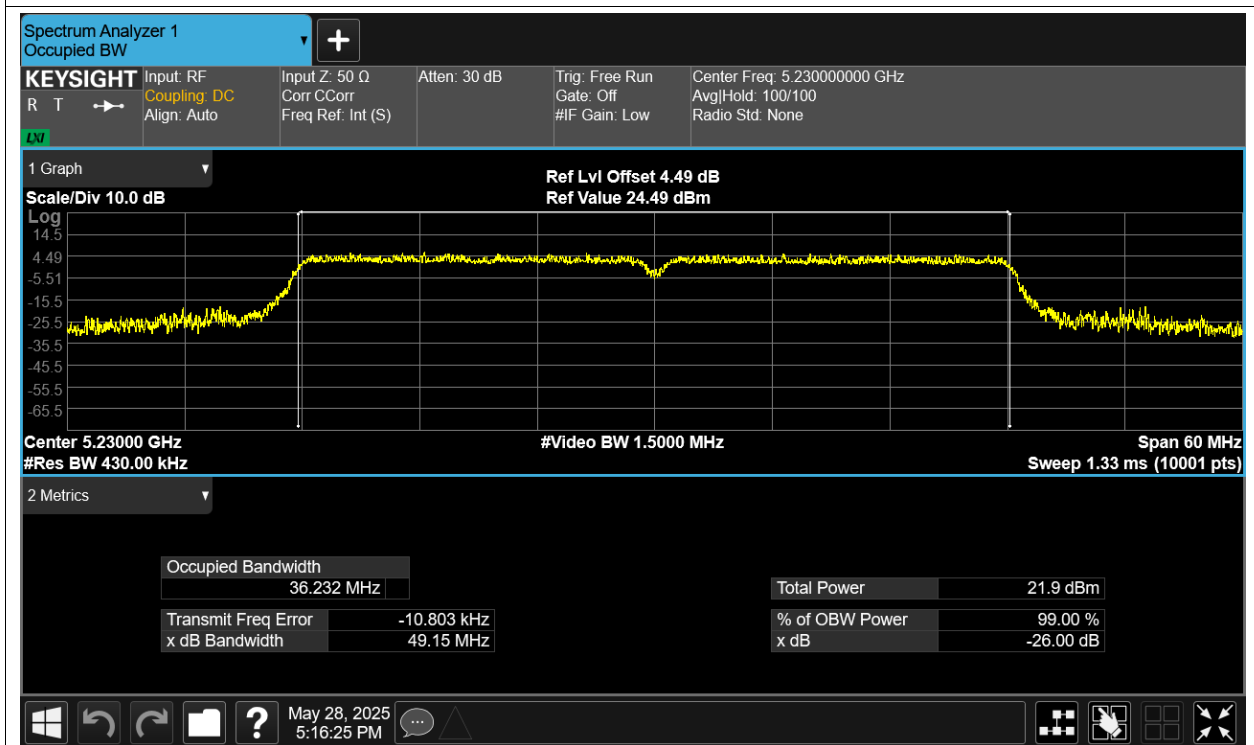
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

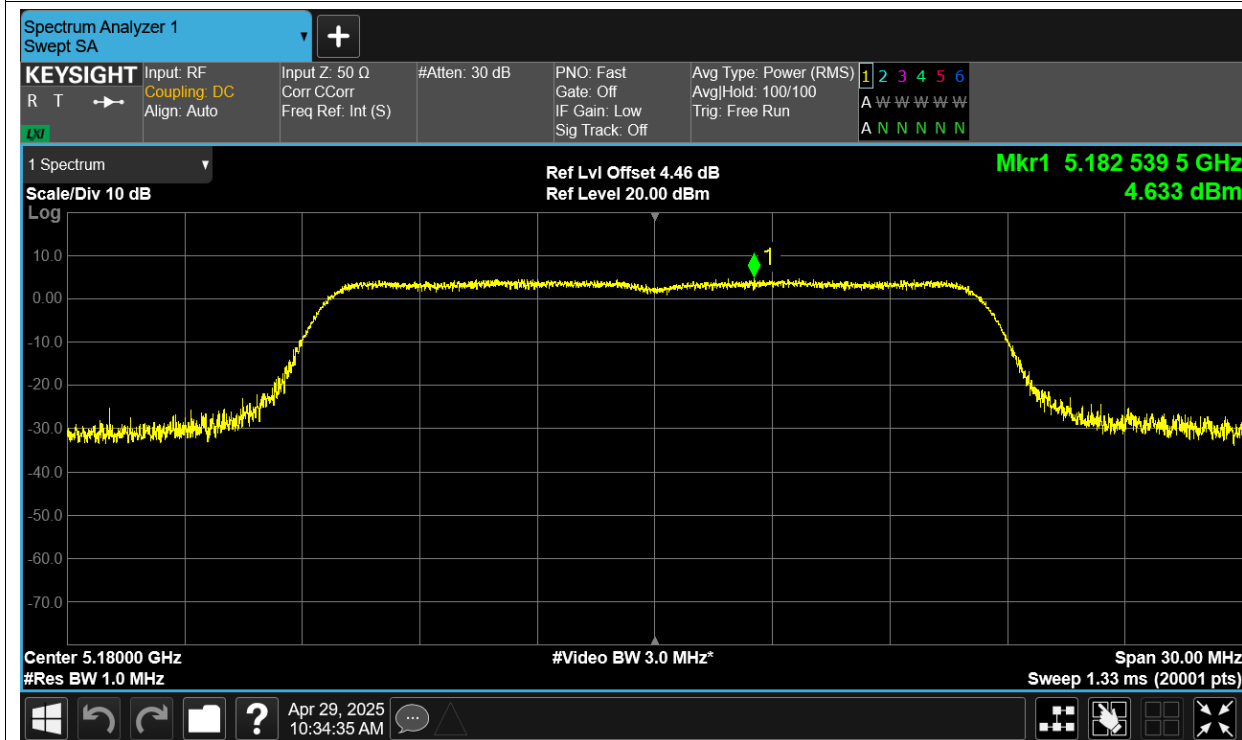


Maximum Power Spectral Density Level

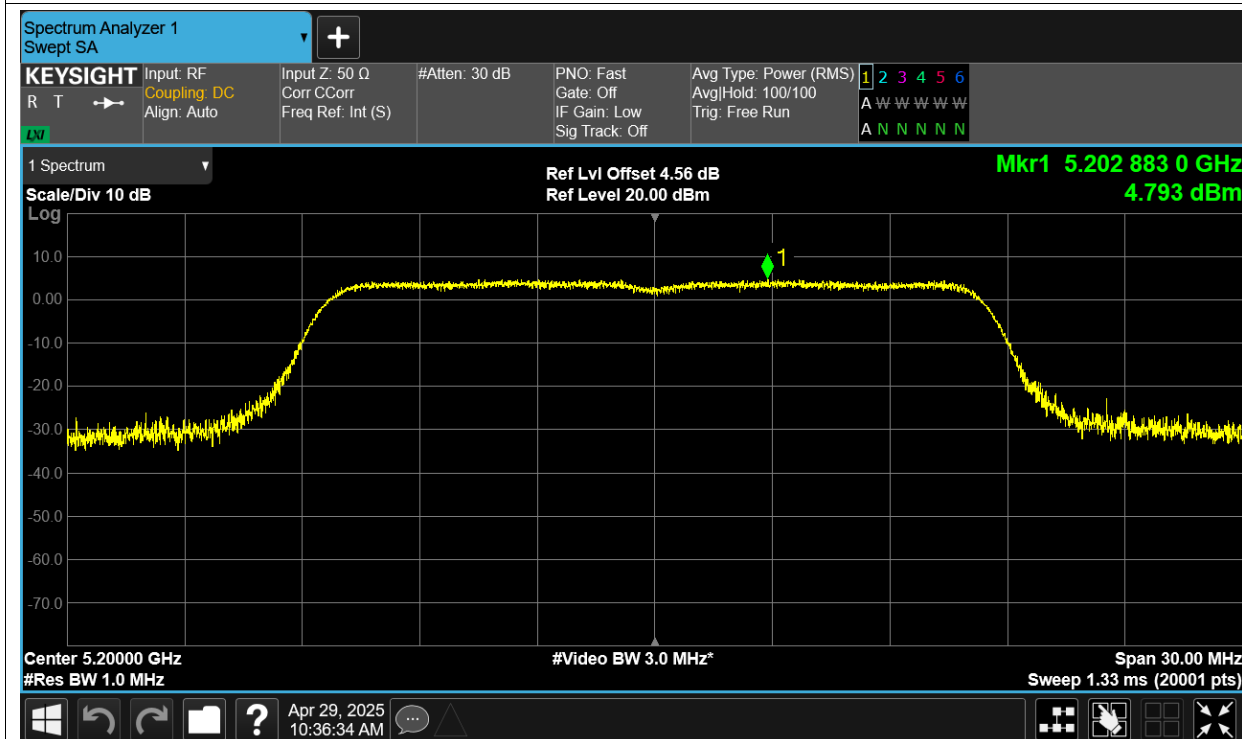
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	4.633	11	Pass
NVNT	a	5200	Ant1	4.793	11	Pass
NVNT	a	5240	Ant1	4.881	11	Pass
NVNT	ac20	5180	Ant1	3.922	11	Pass
NVNT	ac20	5200	Ant1	4.047	11	Pass
NVNT	ac20	5240	Ant1	4.58	11	Pass
NVNT	ac40	5190	Ant1	0.987	11	Pass
NVNT	ac40	5230	Ant1	1.238	11	Pass
NVNT	ac80	5210	Ant1	-2.834	11	Pass
NVNT	n20	5180	Ant1	3.887	11	Pass
NVNT	n20	5200	Ant1	4.168	11	Pass
NVNT	n20	5240	Ant1	4.168	11	Pass
NVNT	n40	5190	Ant1	1.213	11	Pass
NVNT	n40	5230	Ant1	0.982	11	Pass

Test Graphs

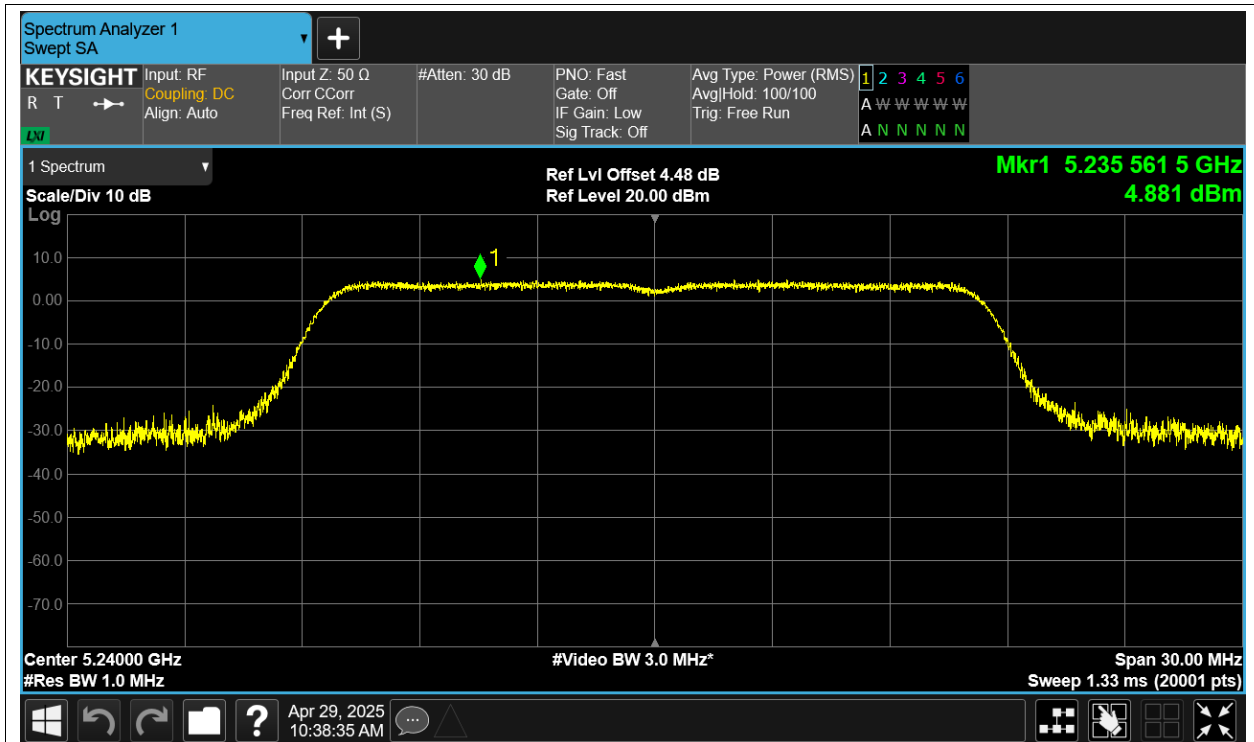
PSD NVNT a 5180MHz Ant1



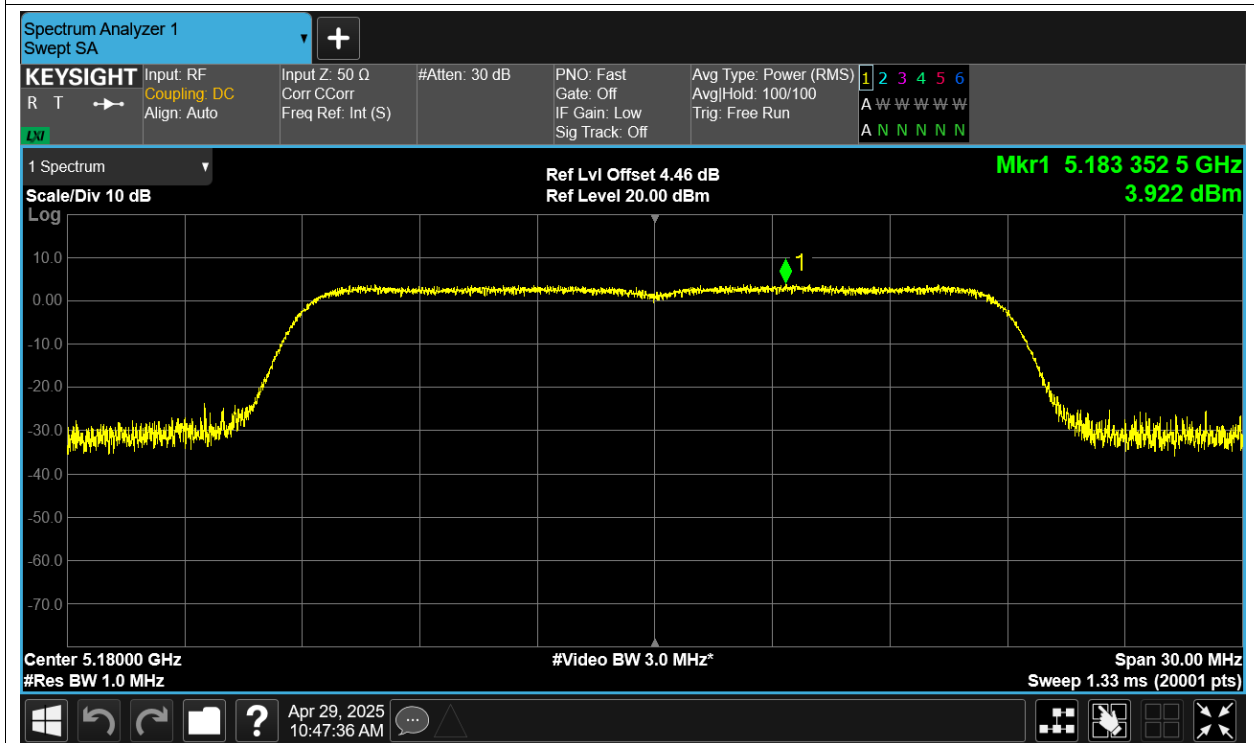
PSD NVNT a 5200MHz Ant1



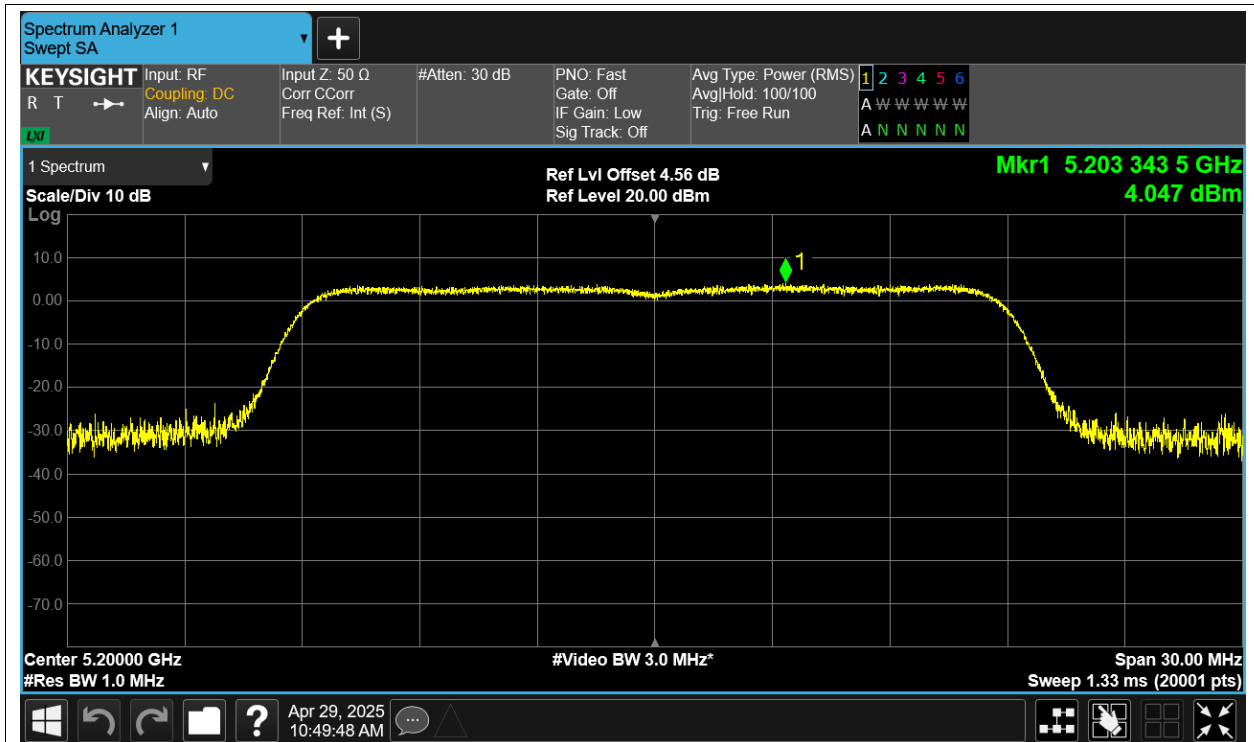
PSD NVNT a 5240MHz Ant1



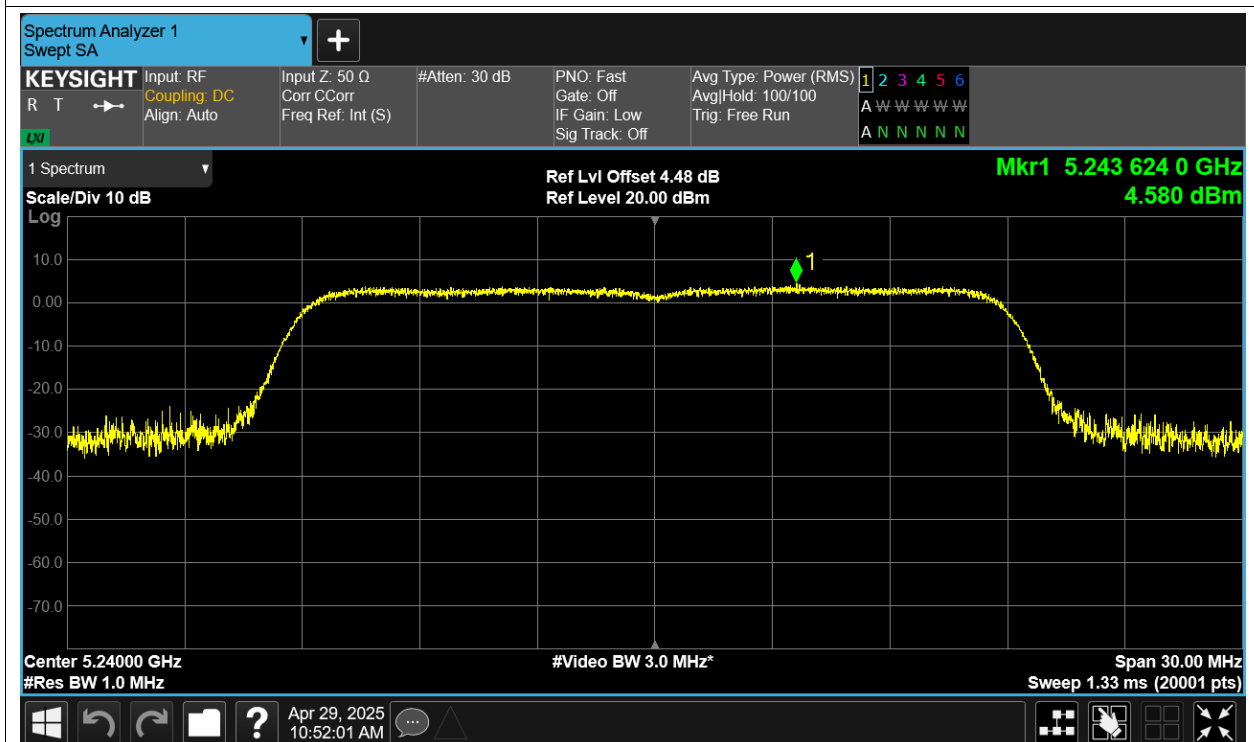
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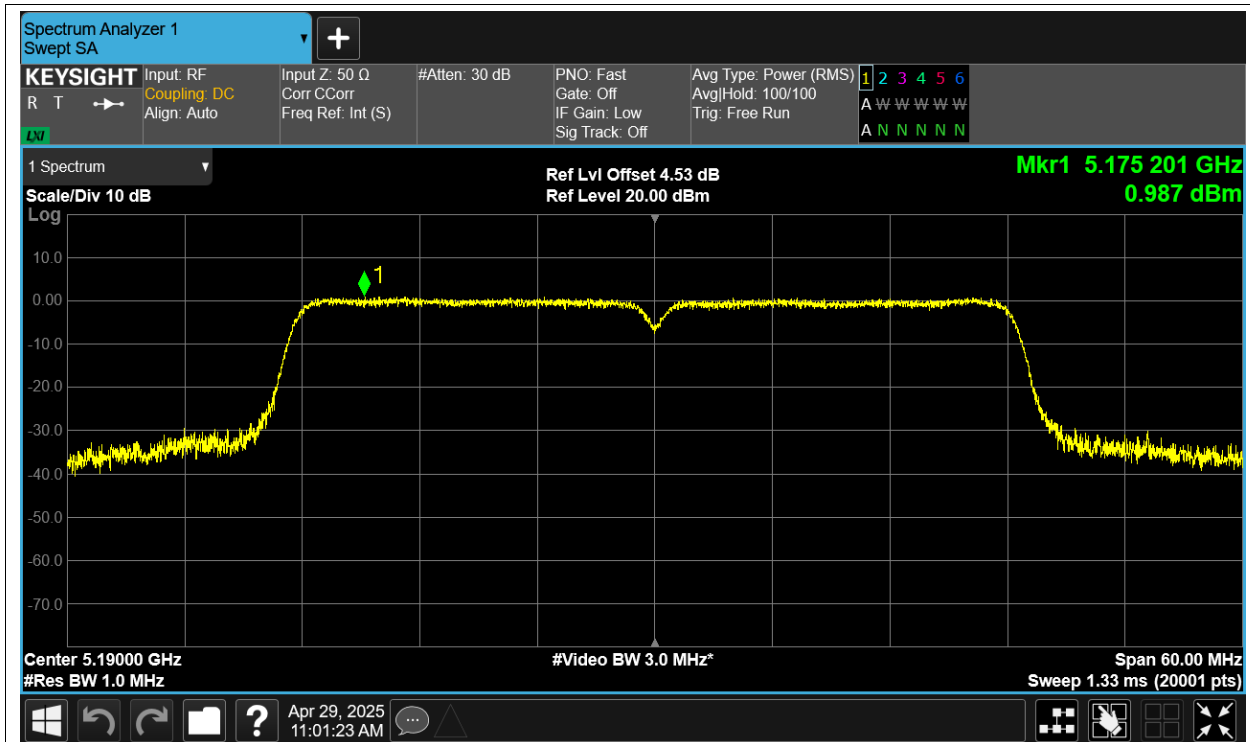
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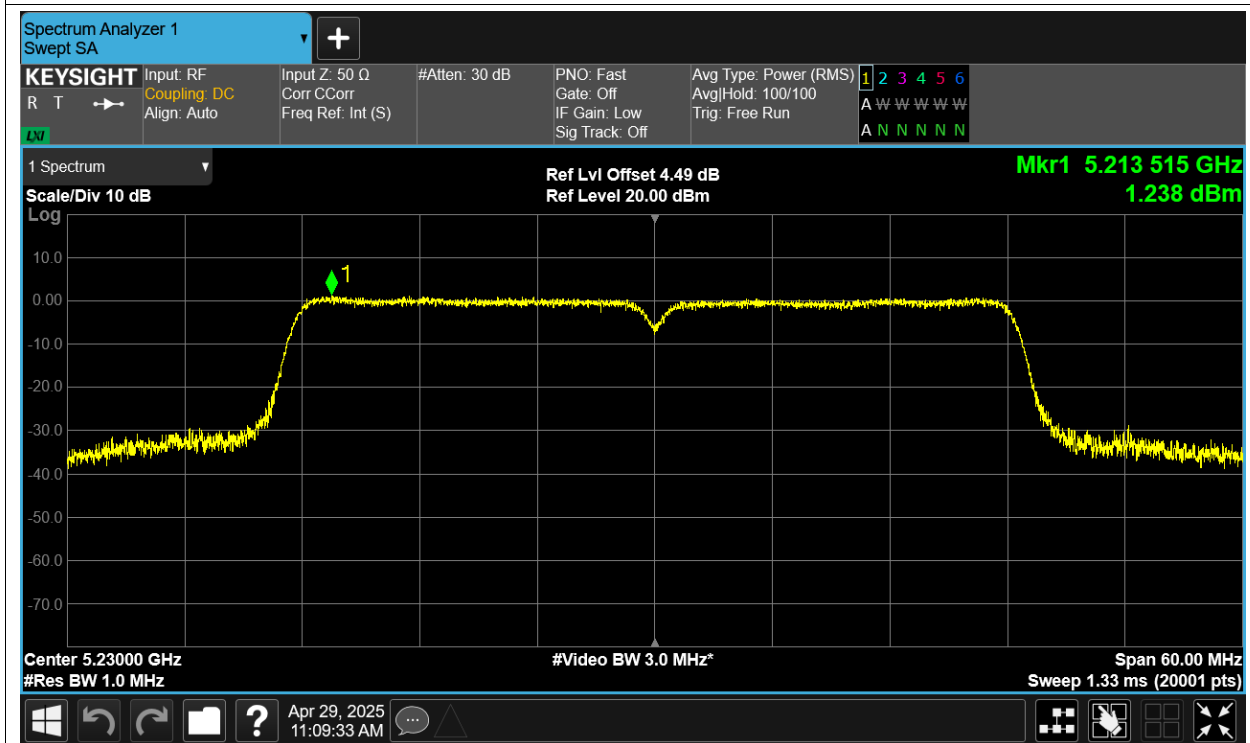
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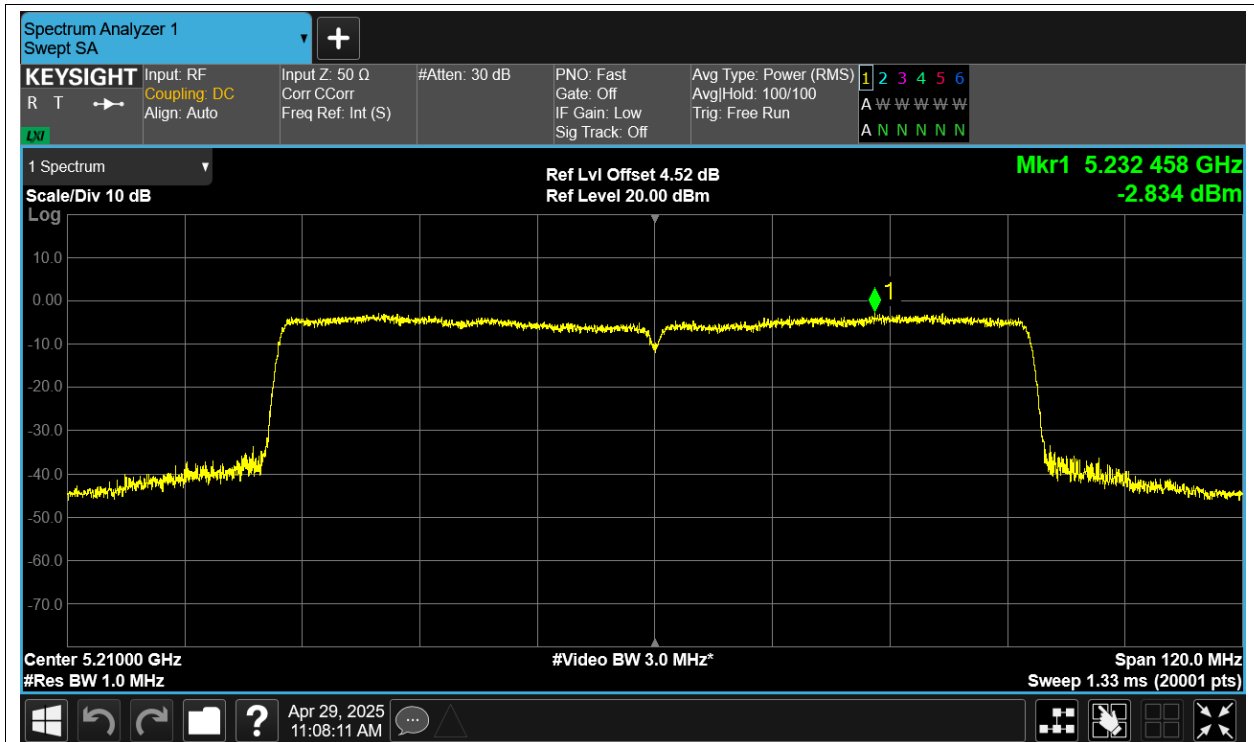
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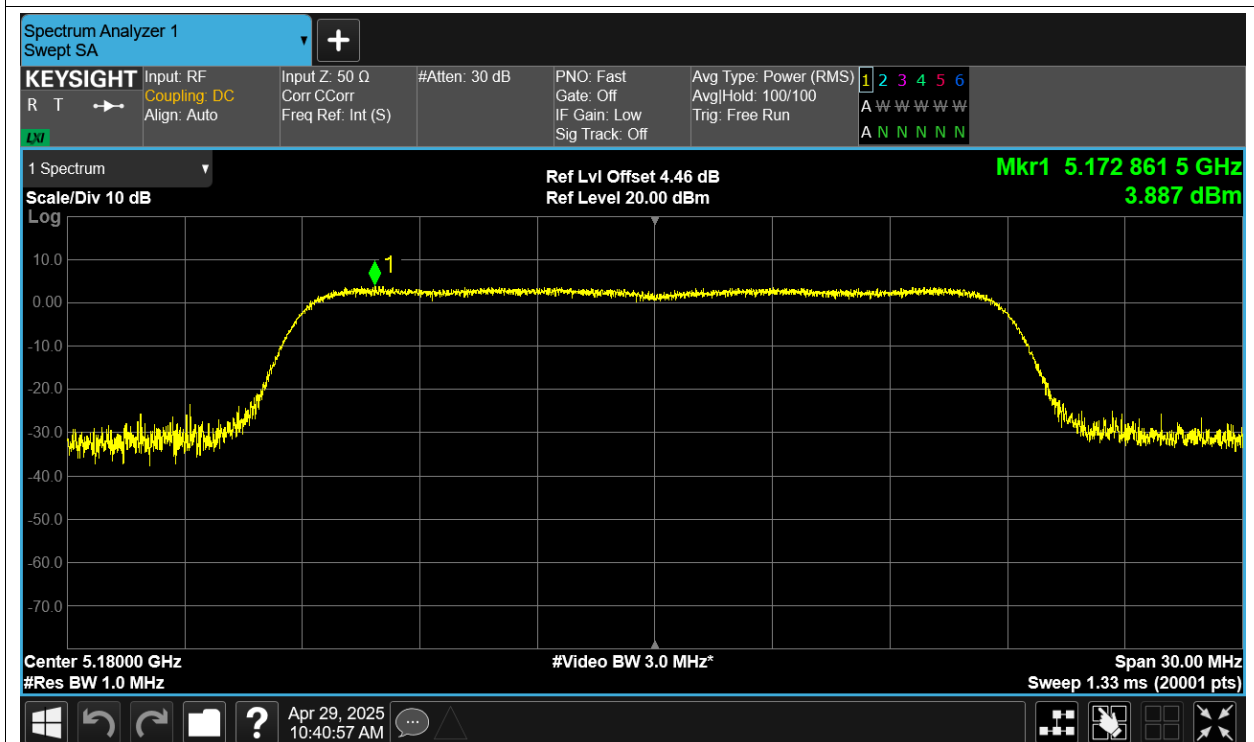
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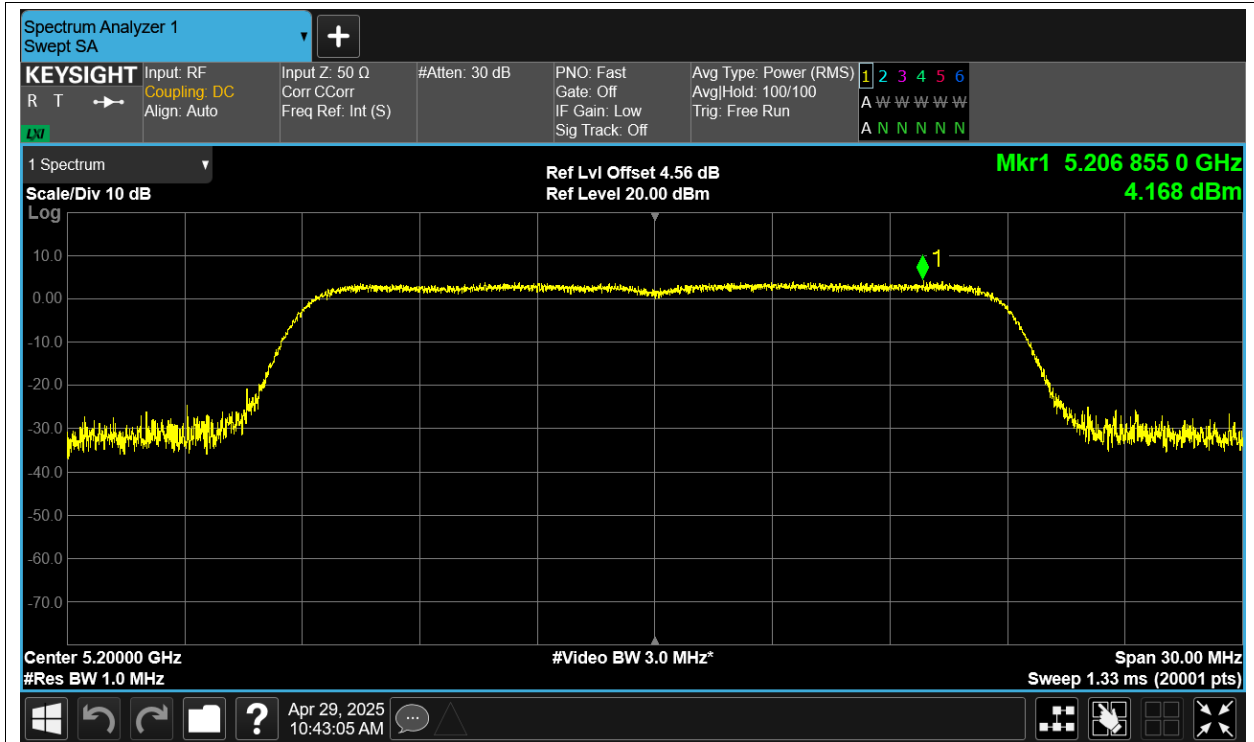
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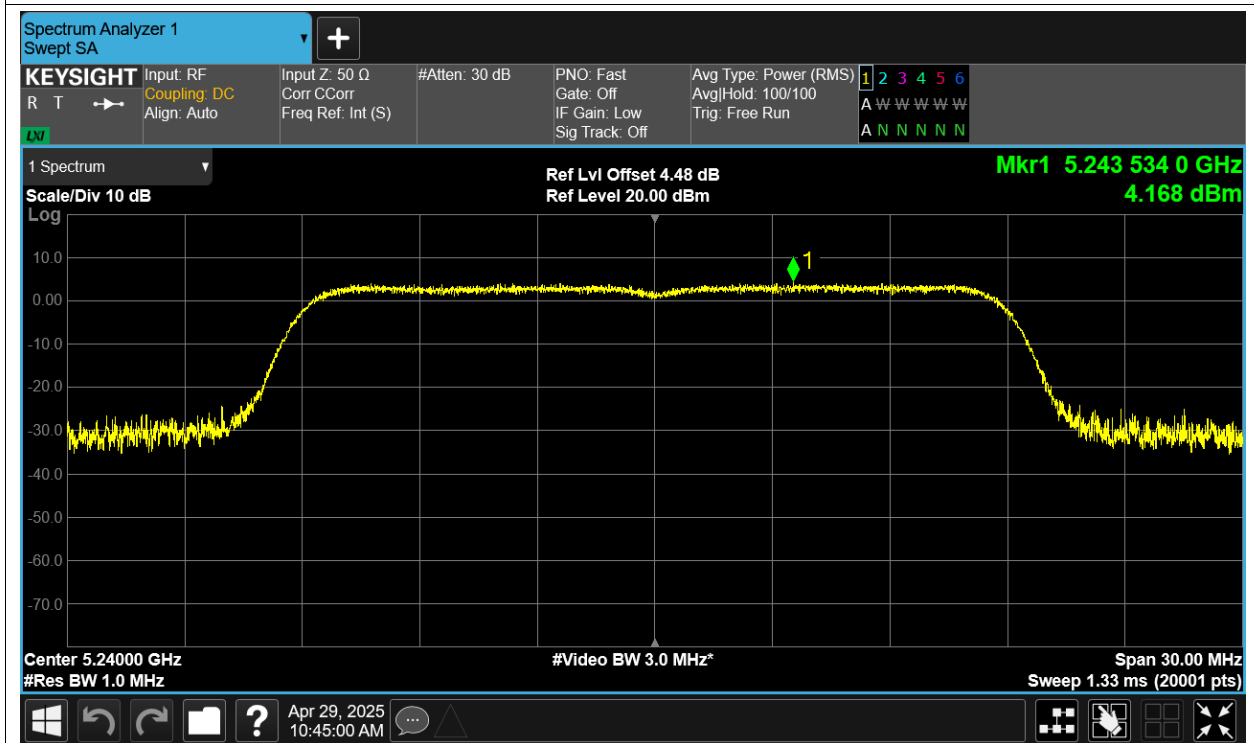
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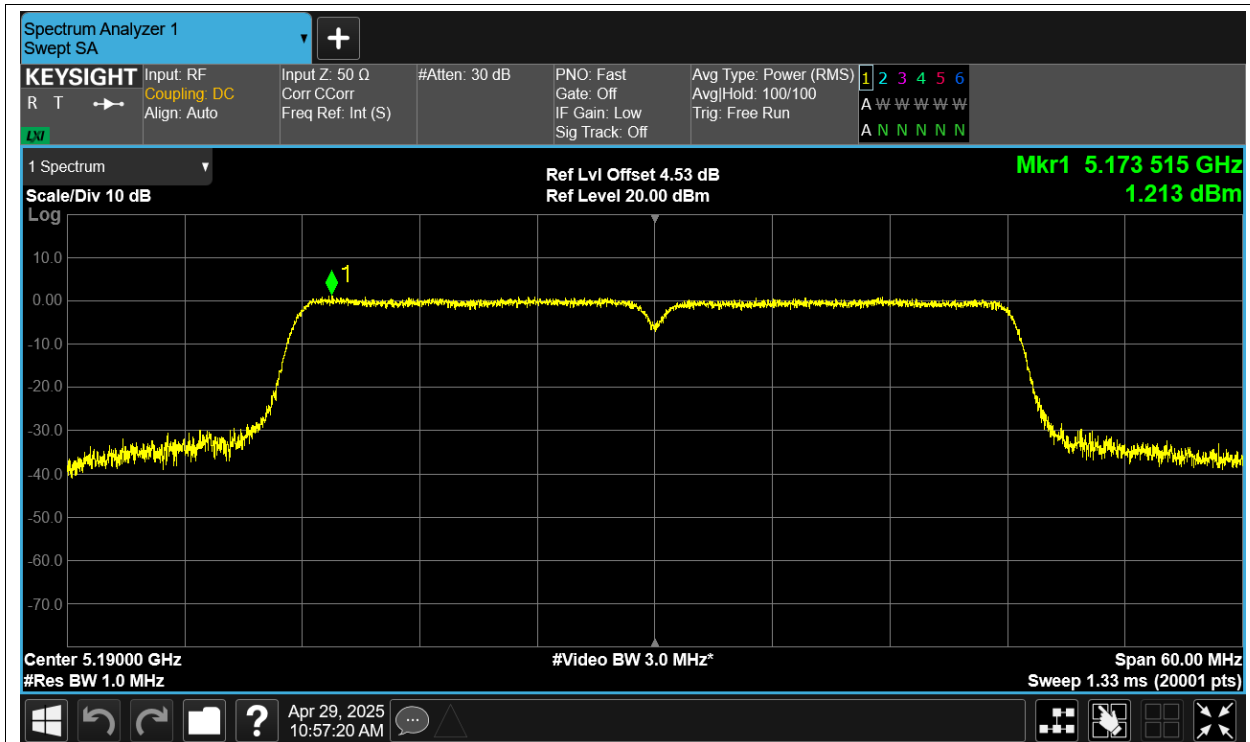
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

