

Test Data

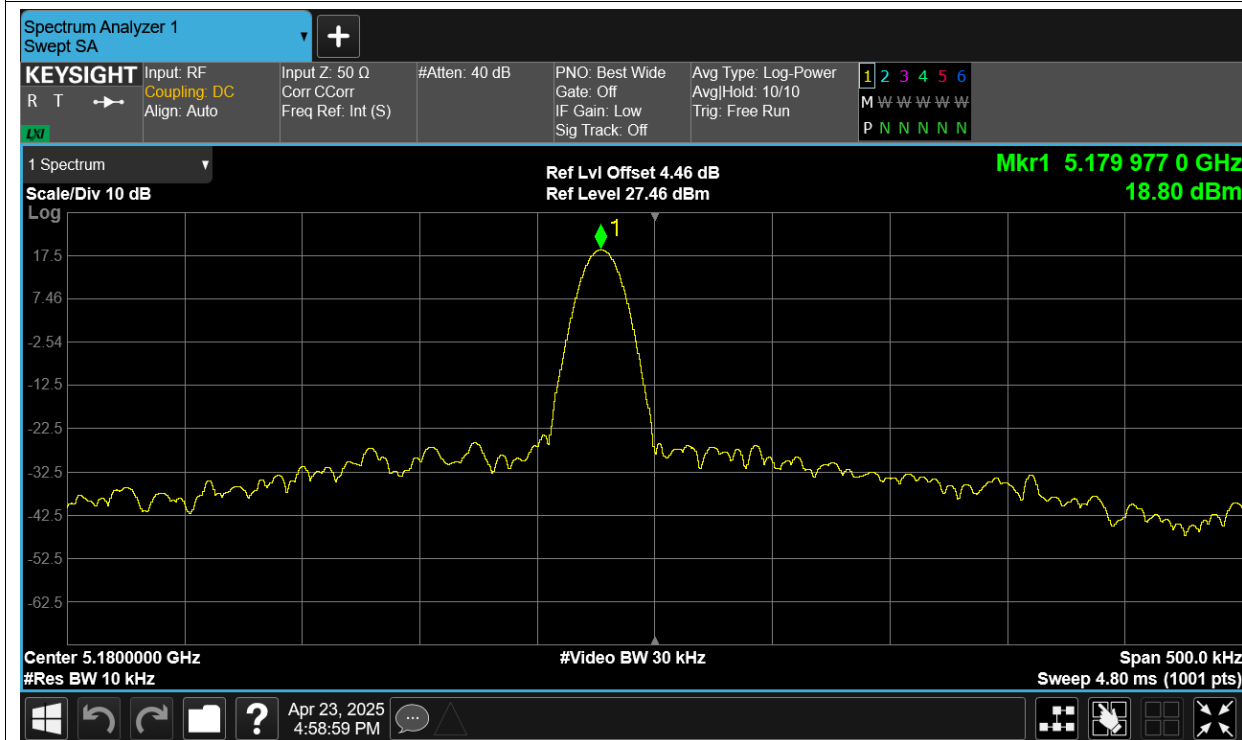
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant14	5179.977	-4.44	Within authorized band	Pass
LVNT	a	5180	Ant14	5179.977	-4.44		Pass
NVHT	a	5180	Ant14	5179.9775	-4.34		Pass
NVLT	a	5180	Ant14	5179.9775	-4.34		Pass
NVNT	a	5180	Ant14	5179.9775	-4.34		Pass
HVNT	ac80	5210	Ant14	5209.977	-4.41		Pass
LVNT	ac80	5210	Ant14	5209.977	-4.41		Pass
NVHT	ac80	5210	Ant14	5209.977	-4.41		Pass
NVLT	ac80	5210	Ant14	5209.977	-4.41		Pass
NVNT	ac80	5210	Ant14	5209.977318046	-4.35		Pass
HVNT	n40	5190	Ant14	5189.977	-4.43		Pass
LVNT	n40	5190	Ant14	5189.977	-4.43		Pass
NVHT	n40	5190	Ant14	5189.977	-4.43		Pass
NVLT	n40	5190	Ant14	5189.977	-4.43		Pass
NVNT	n40	5190	Ant14	5189.9775	-4.34		Pass

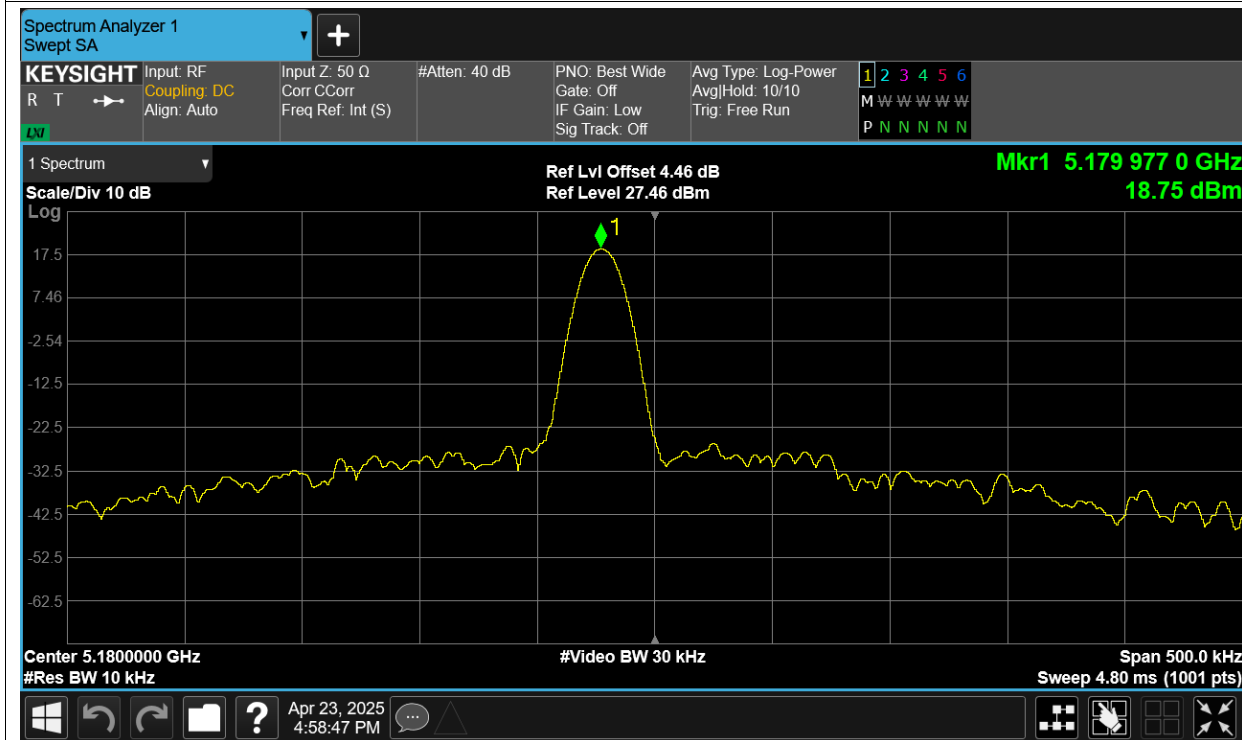
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low. Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

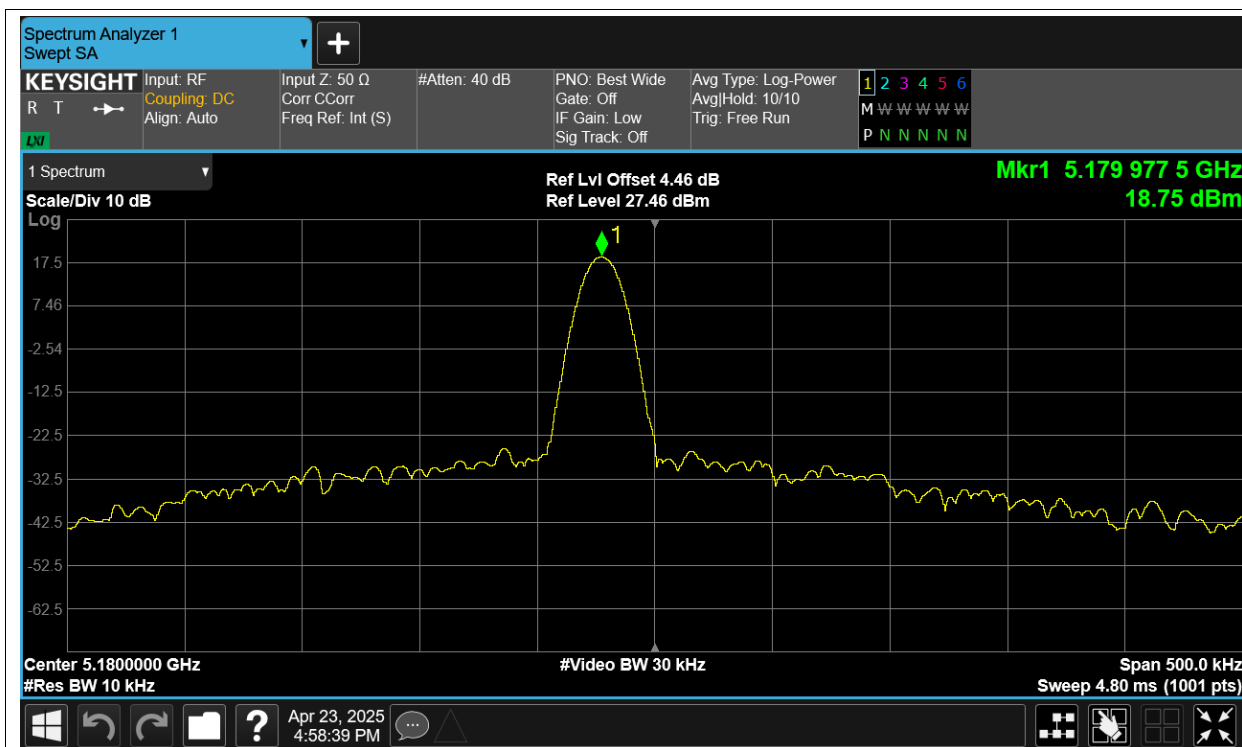
Freq. Stability HVNT a 5180MHz Ant14



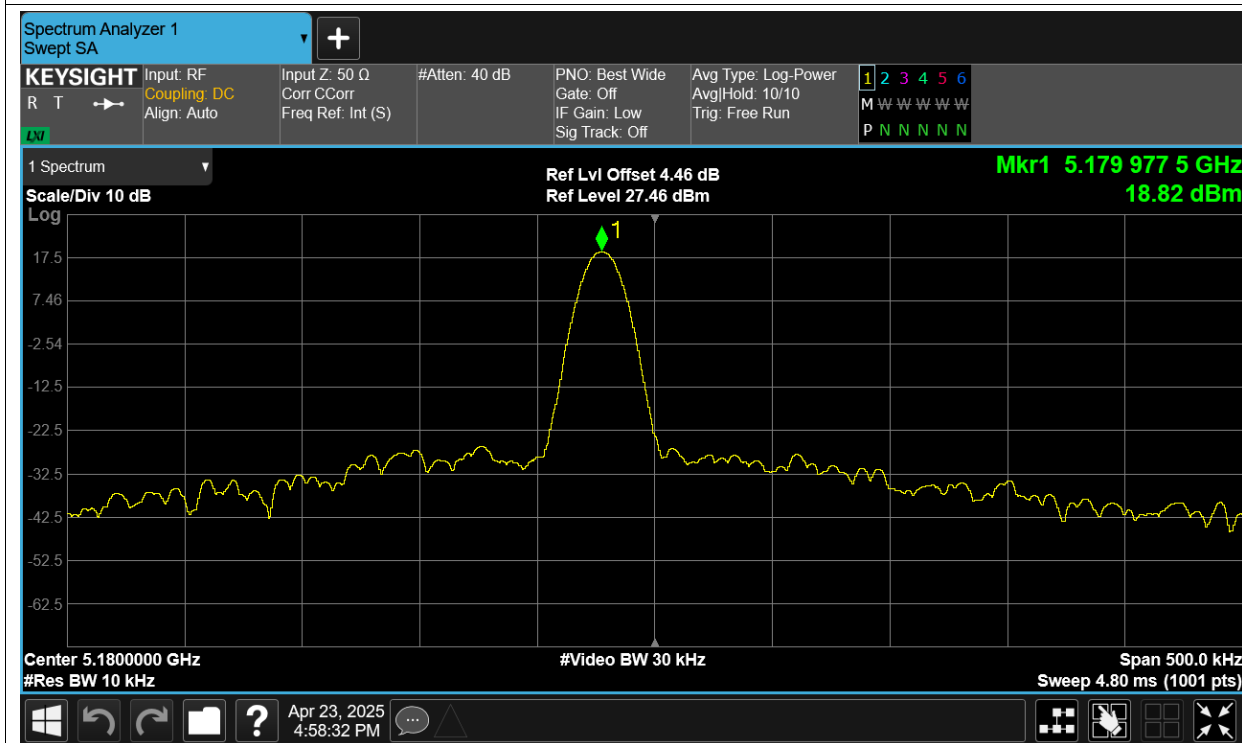
Freq. Stability LVNT a 5180MHz Ant14



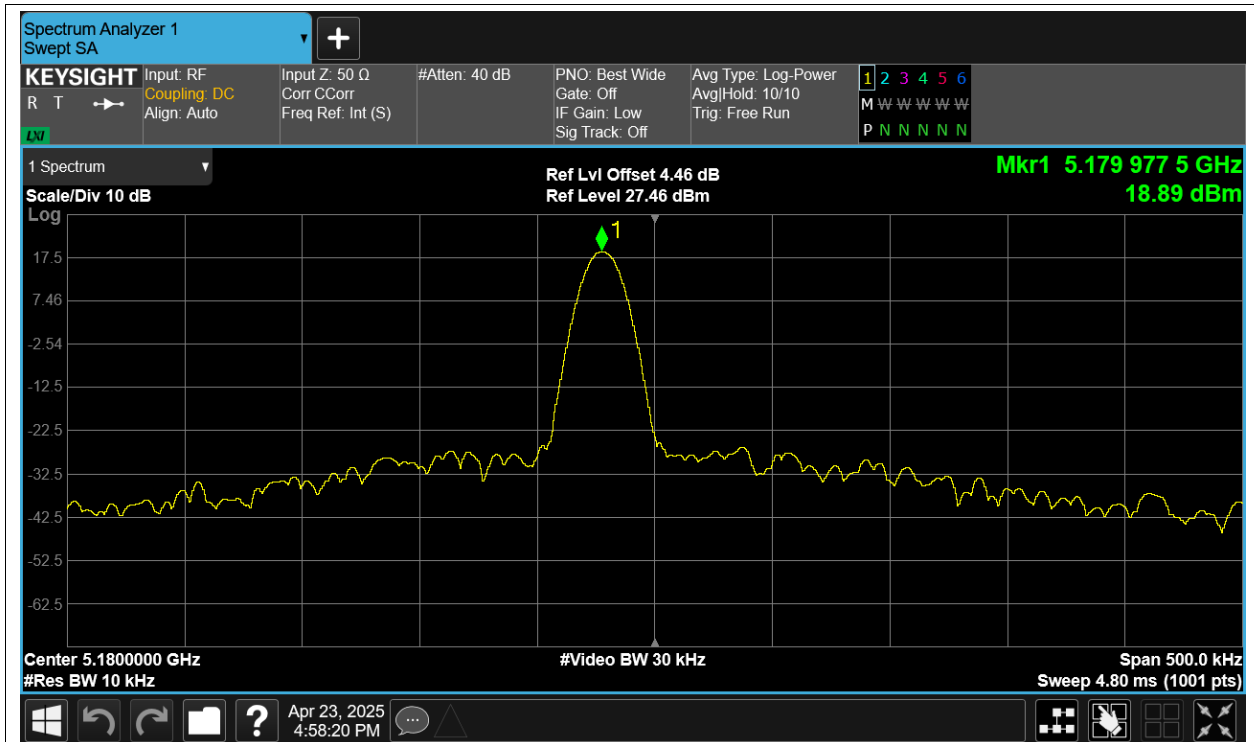
Freq. Stability NVHT a 5180MHz Ant14



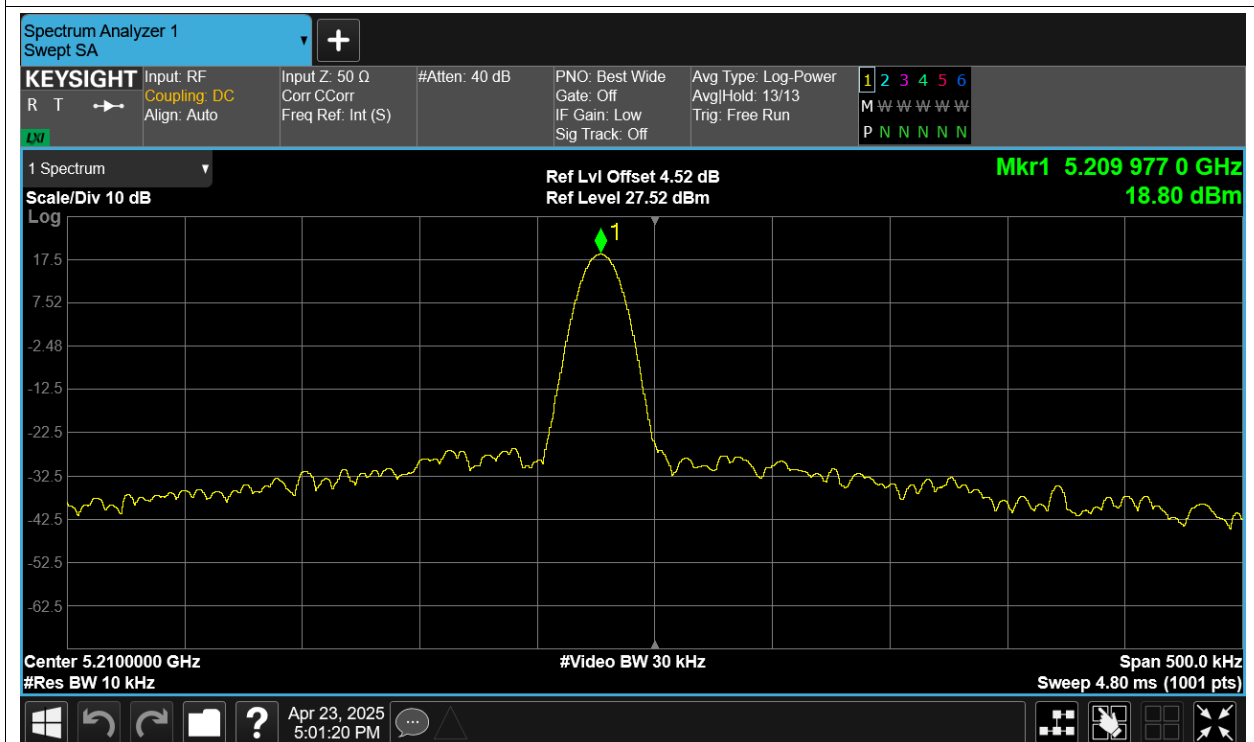
Freq. Stability NVLT a 5180MHz Ant14



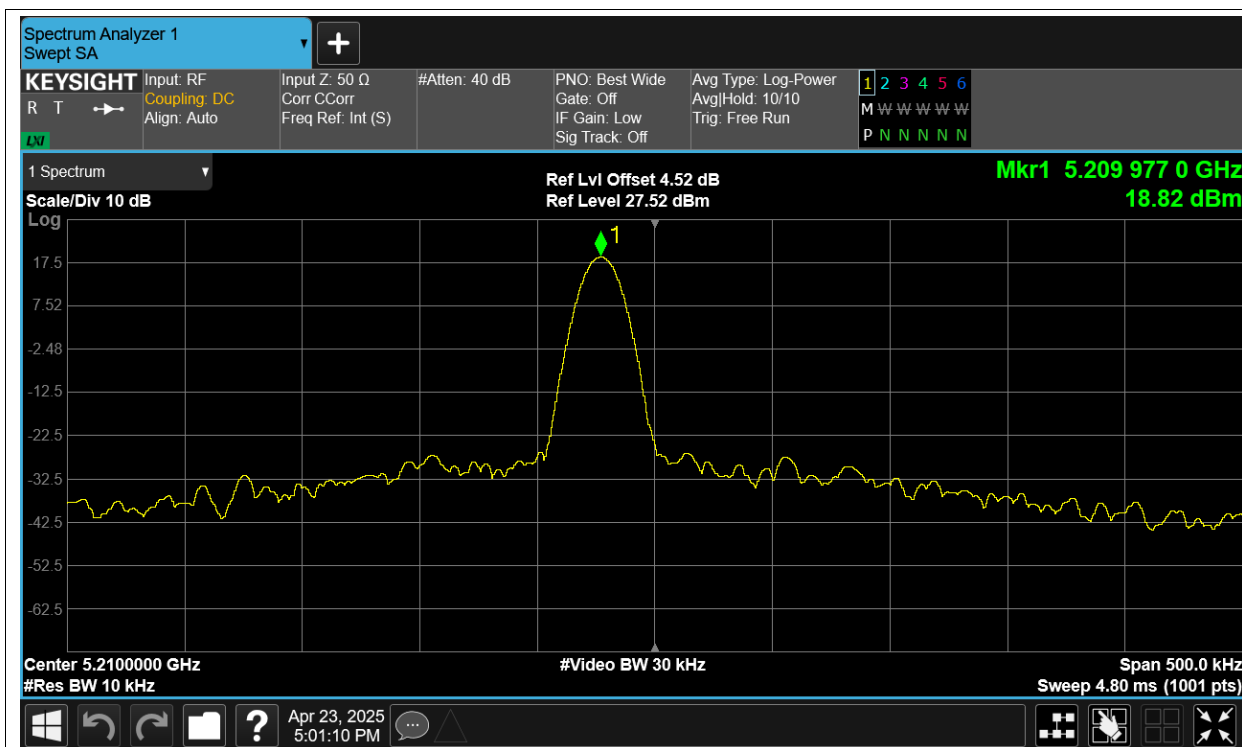
Freq. Stability NVNT a 5180MHz Ant14



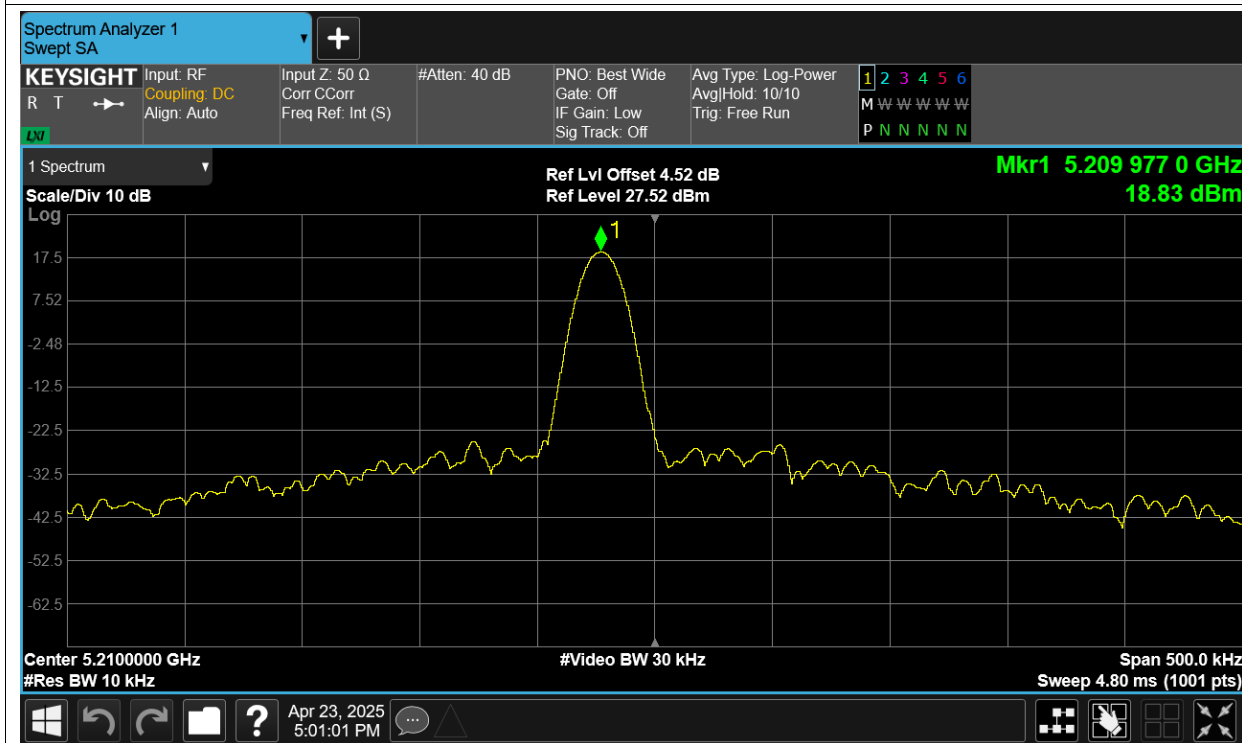
Freq. Stability HVNT ac80 5210MHz Ant14



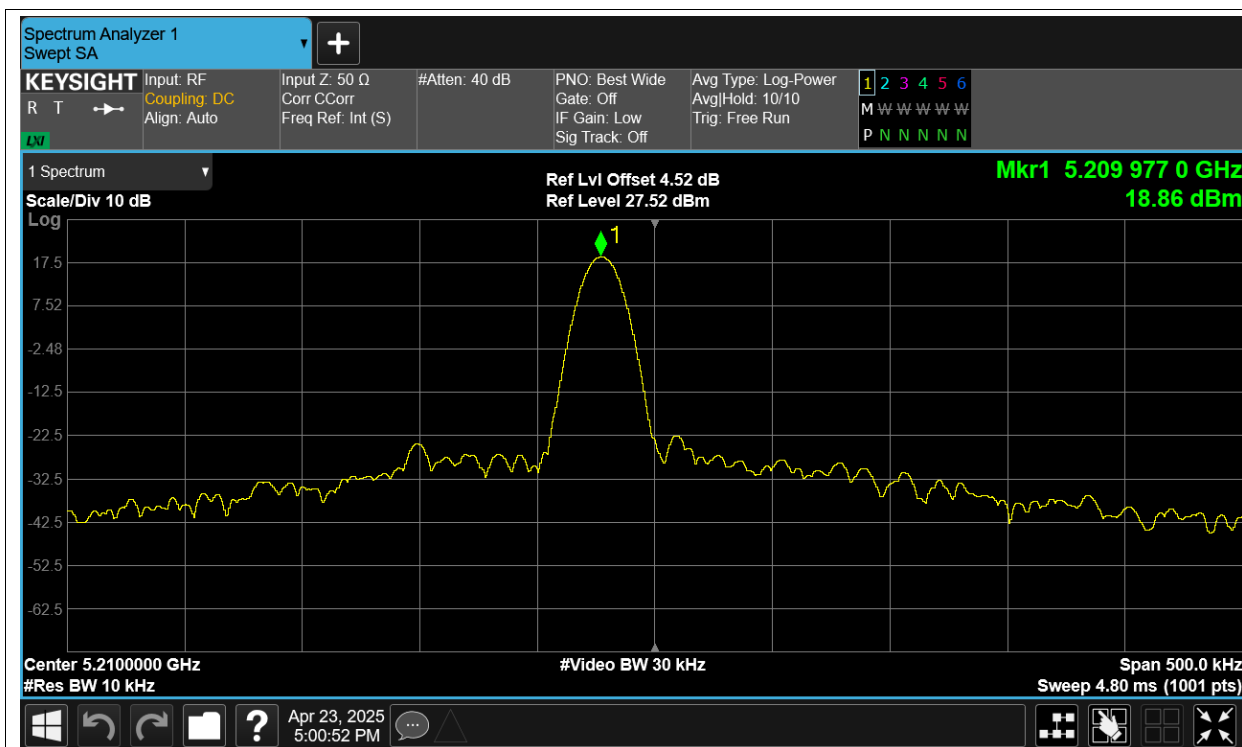
Freq. Stability LVNT ac80 5210MHz Ant14



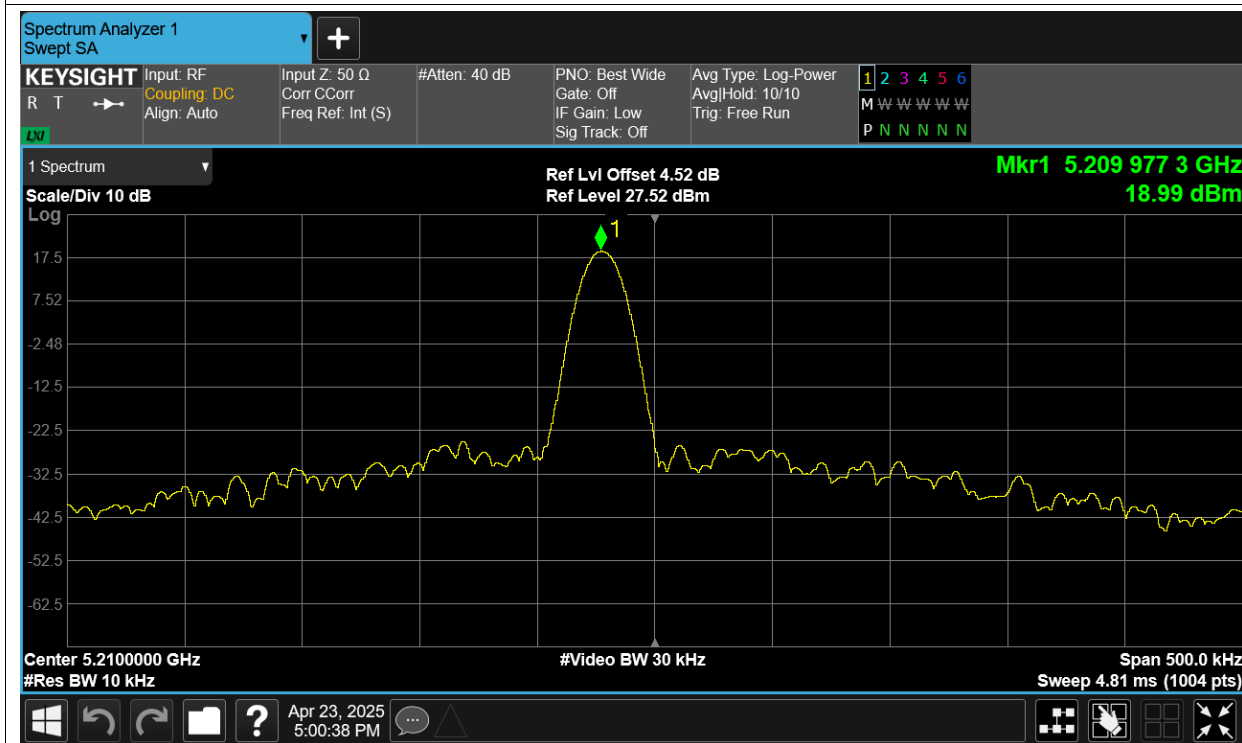
Freq. Stability NVHT ac80 5210MHz Ant14



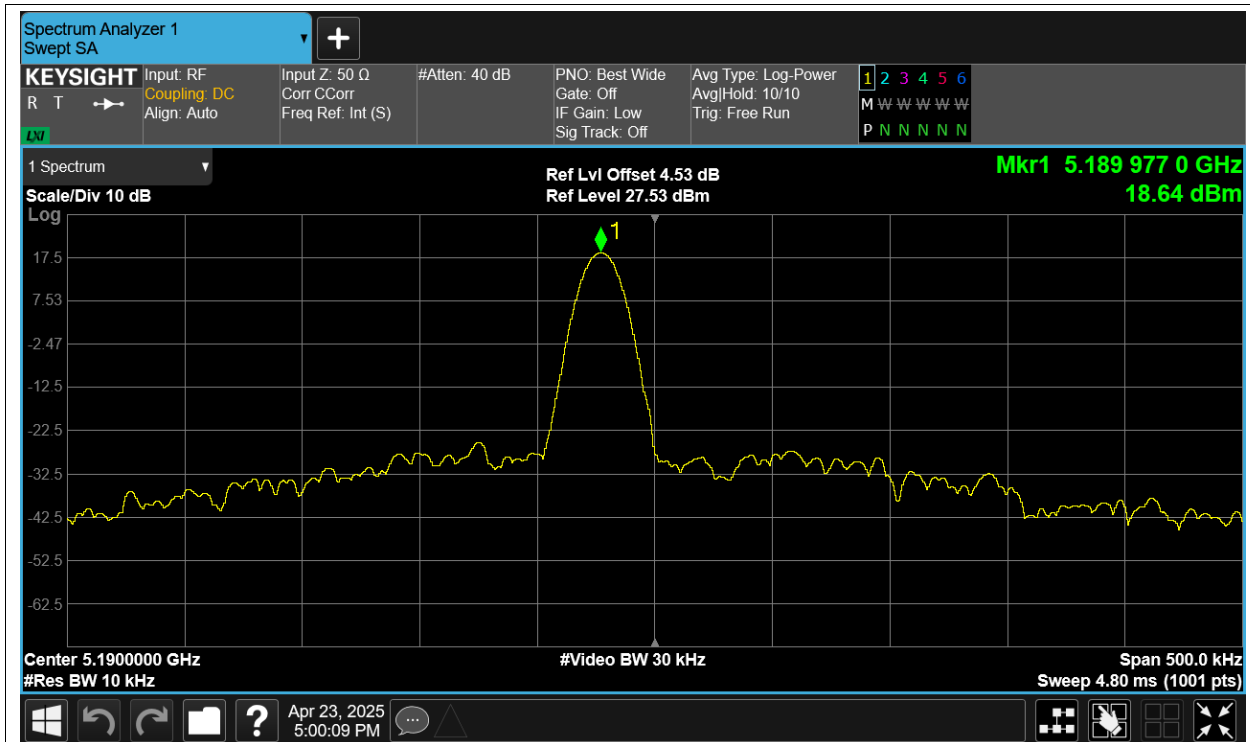
Freq. Stability NVLT ac80 5210MHz Ant14



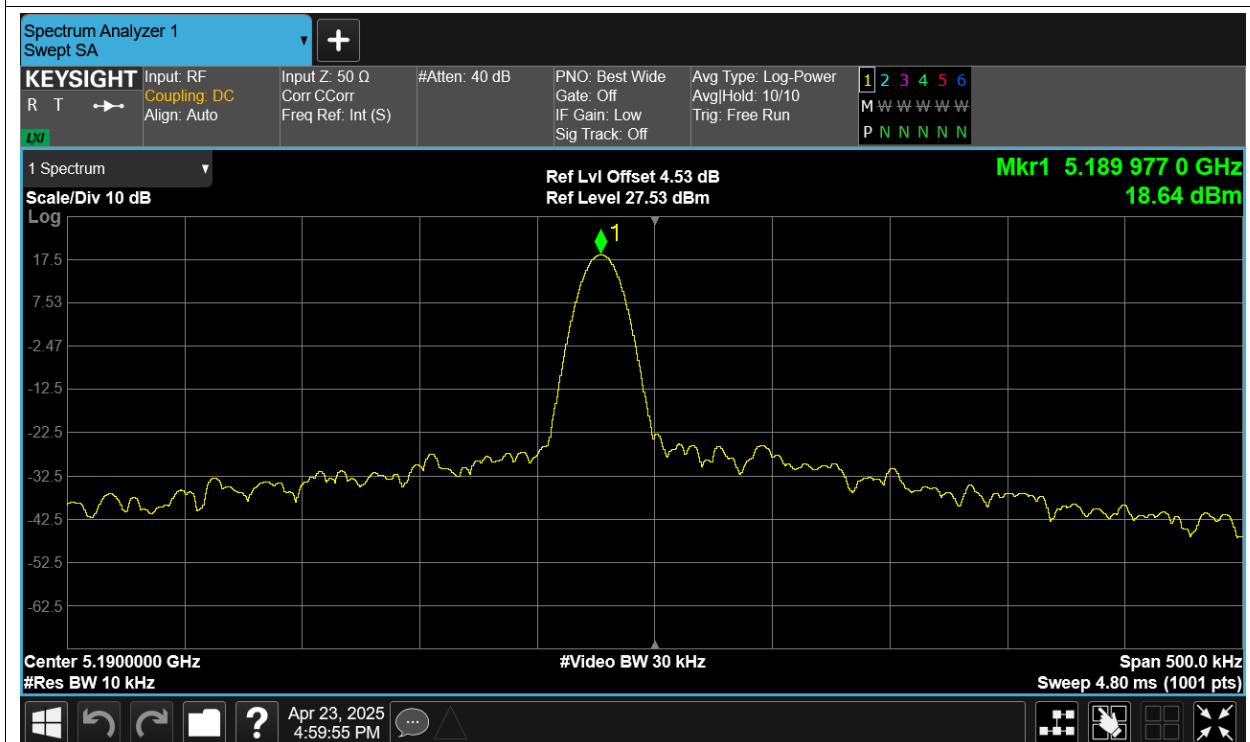
Freq. Stability NVNT ac80 5210MHz Ant14



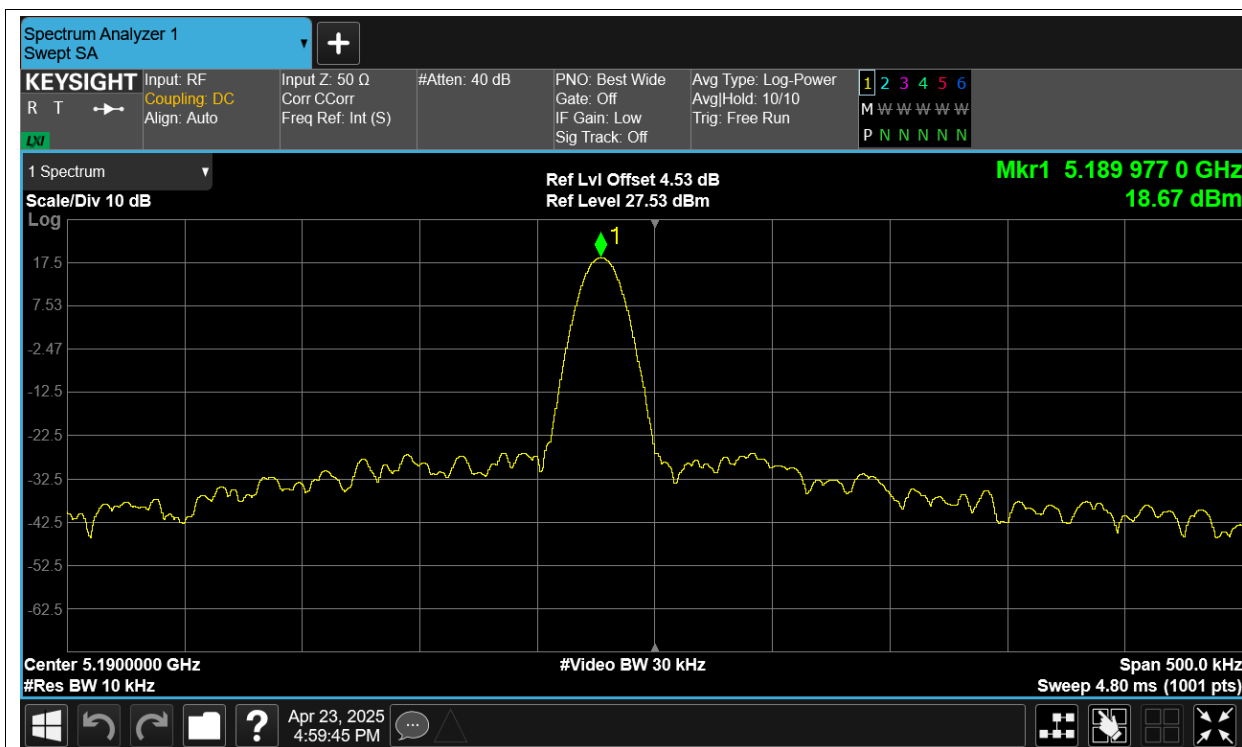
Freq. Stability HVNT n40 5190MHz Ant14



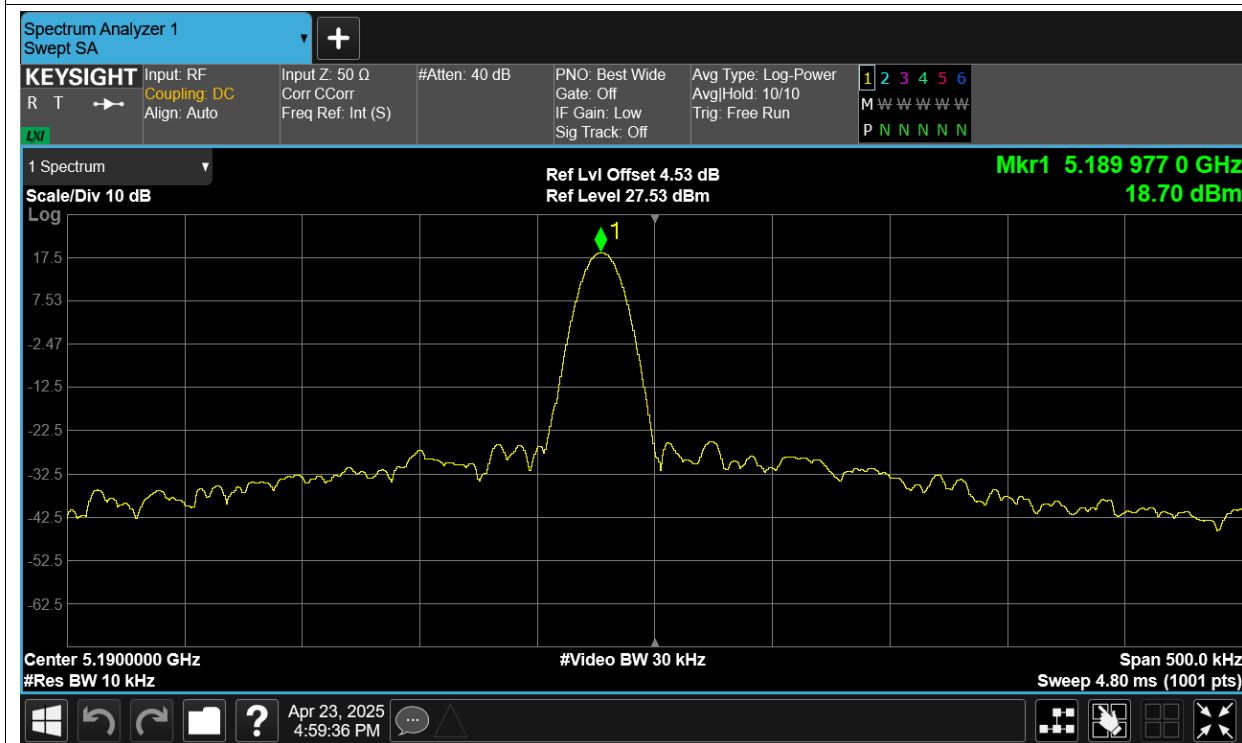
Freq. Stability LVNT n40 5190MHz Ant14



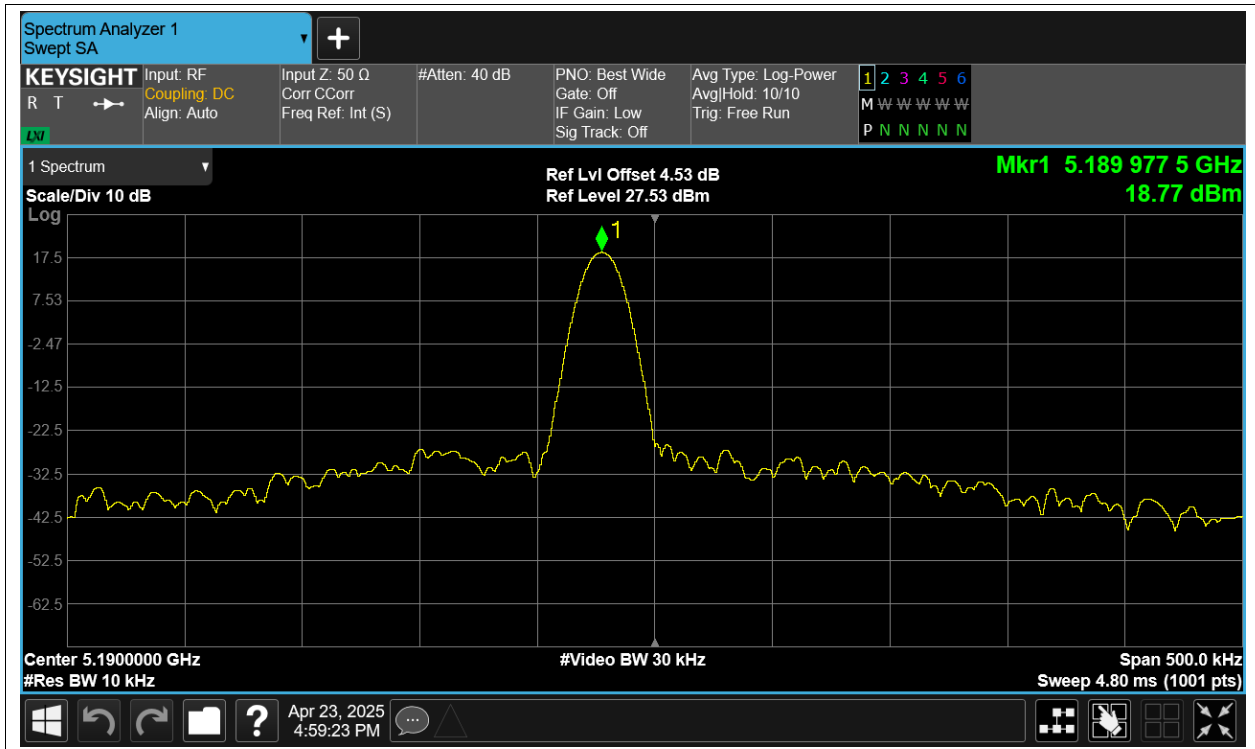
Freq. Stability NVHT n40 5190MHz Ant14



Freq. Stability NVLT n40 5190MHz Ant14

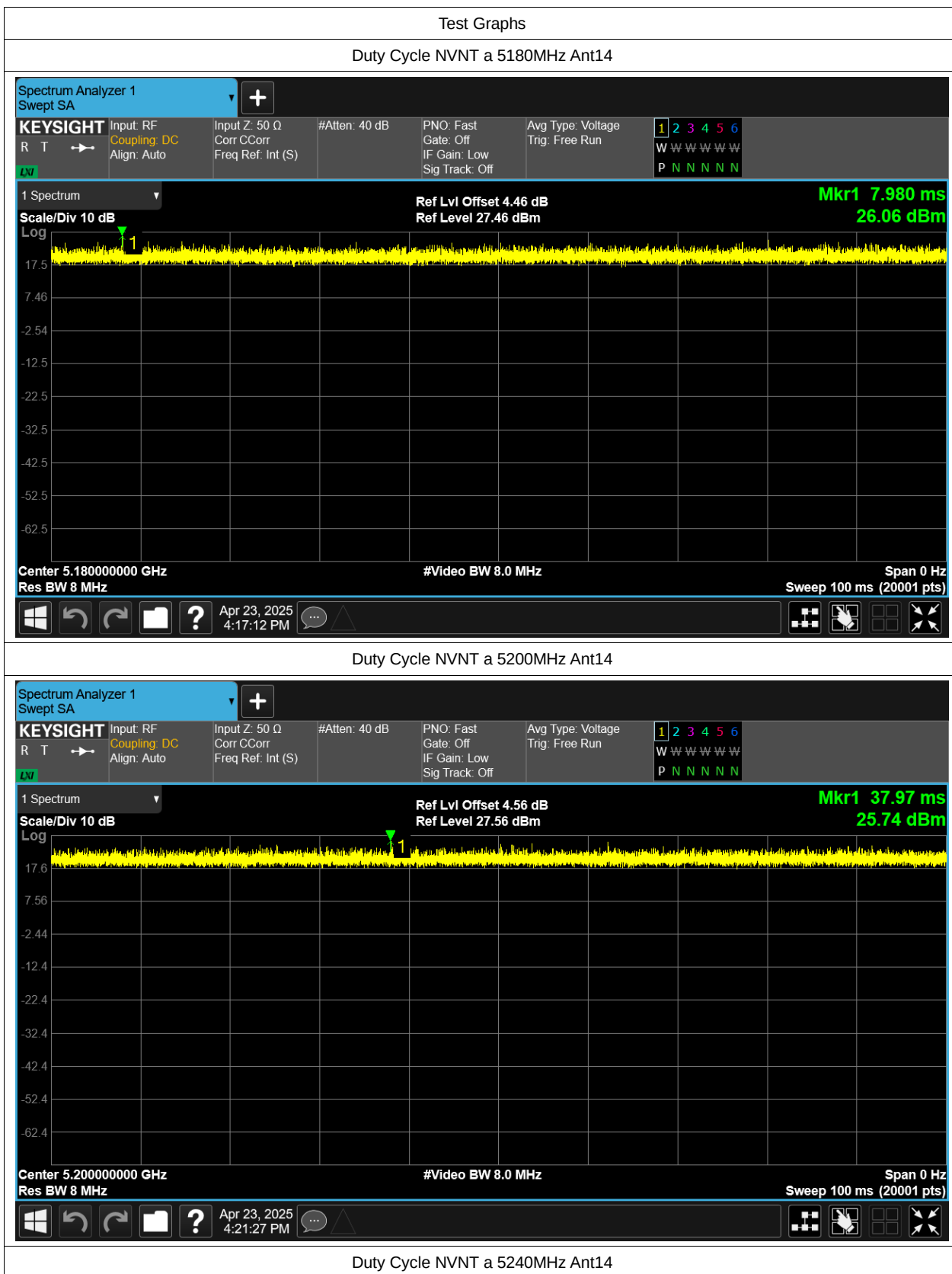


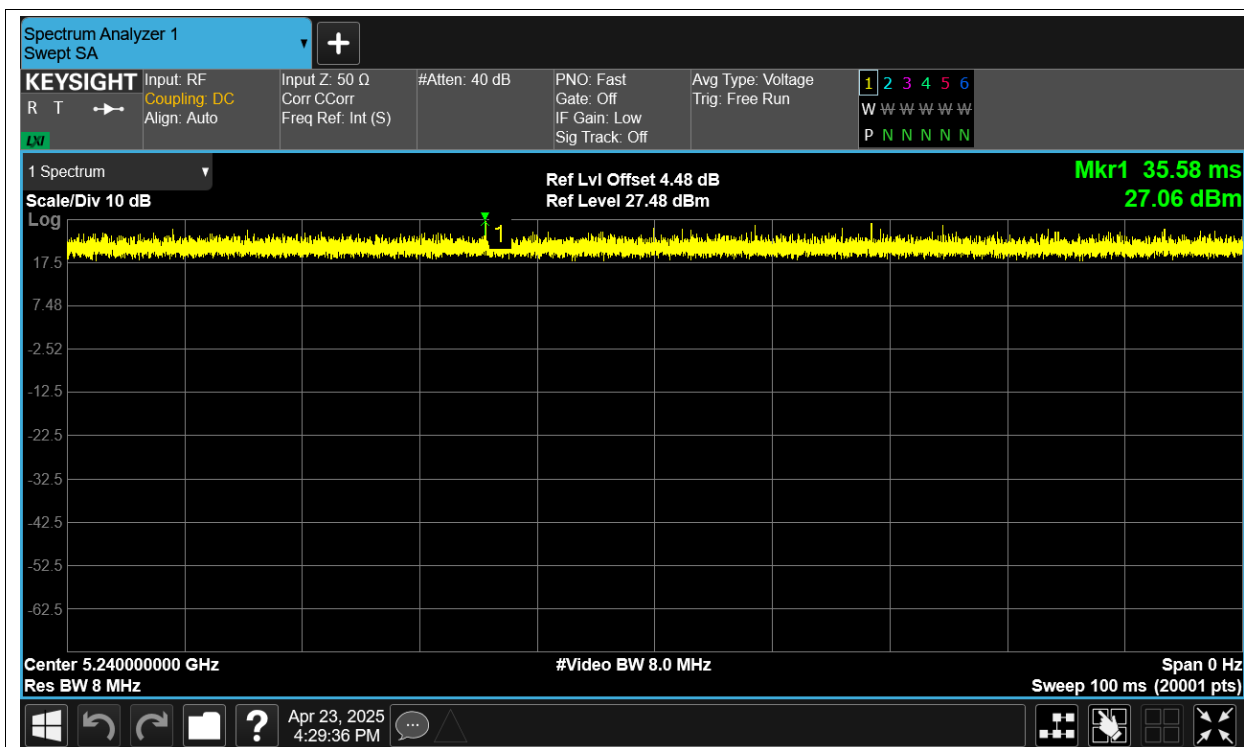
Freq. Stability NVNT n40 5190MHz Ant14



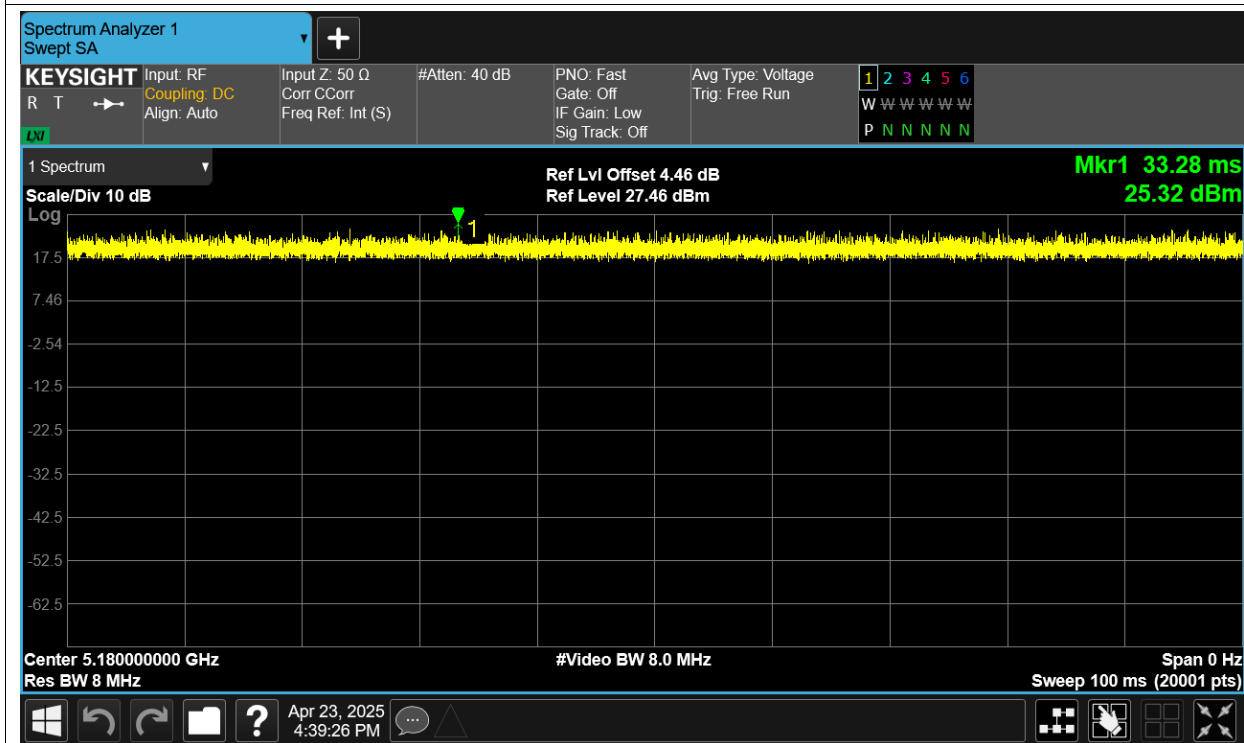
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant14	100	0
NVNT	a	5200	Ant14	100	0
NVNT	a	5240	Ant14	100	0
NVNT	ac20	5180	Ant14	100	0
NVNT	ac20	5200	Ant14	100	0
NVNT	ac20	5240	Ant14	100	0
NVNT	ac40	5190	Ant14	100	0
NVNT	ac40	5230	Ant14	100	0
NVNT	ac80	5210	Ant14	100	0
NVNT	n20	5180	Ant14	100	0
NVNT	n20	5200	Ant14	100	0
NVNT	n20	5240	Ant14	100	0
NVNT	n40	5190	Ant14	100	0
NVNT	n40	5230	Ant14	100	0

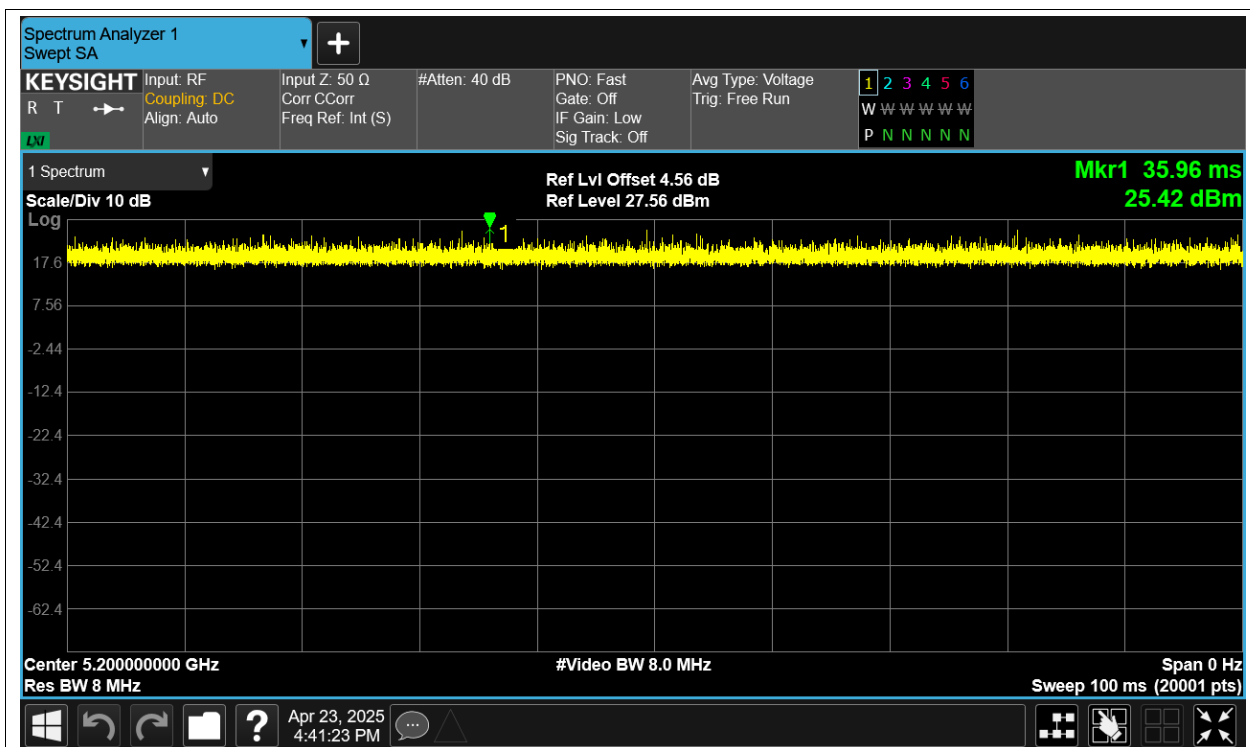




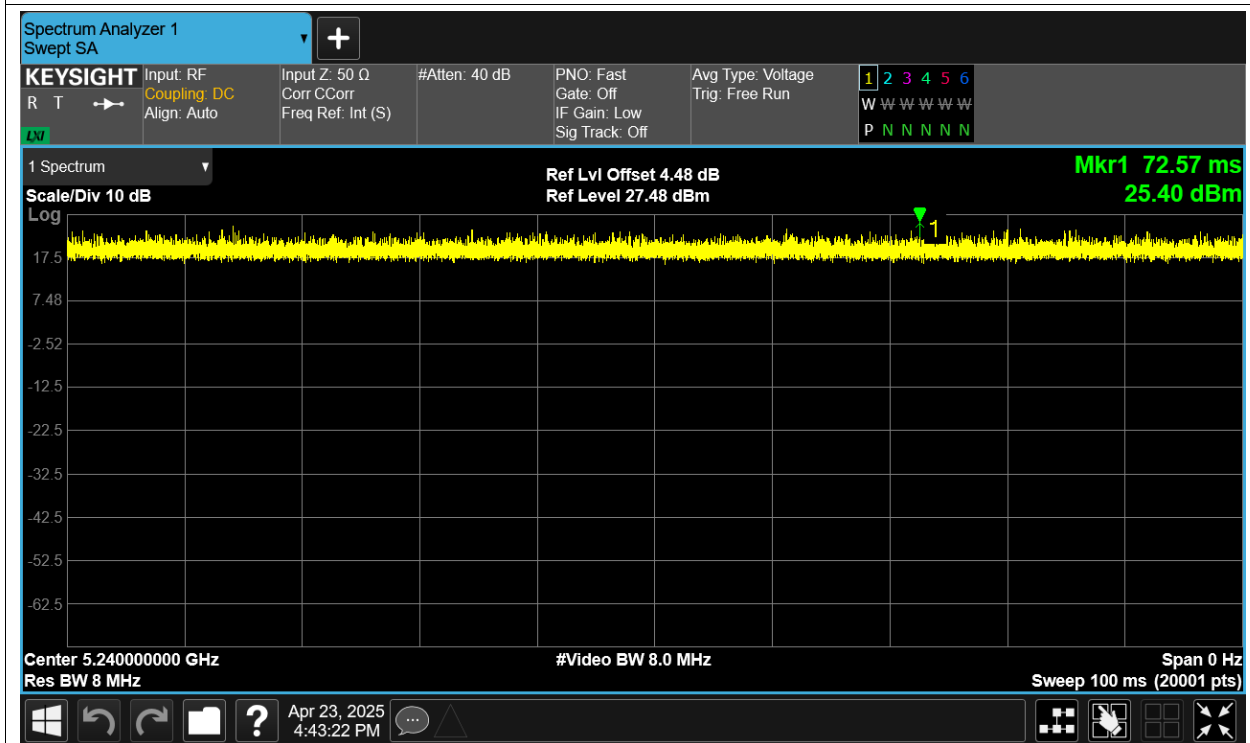
Duty Cycle NVNT ac20 5180MHz Ant14



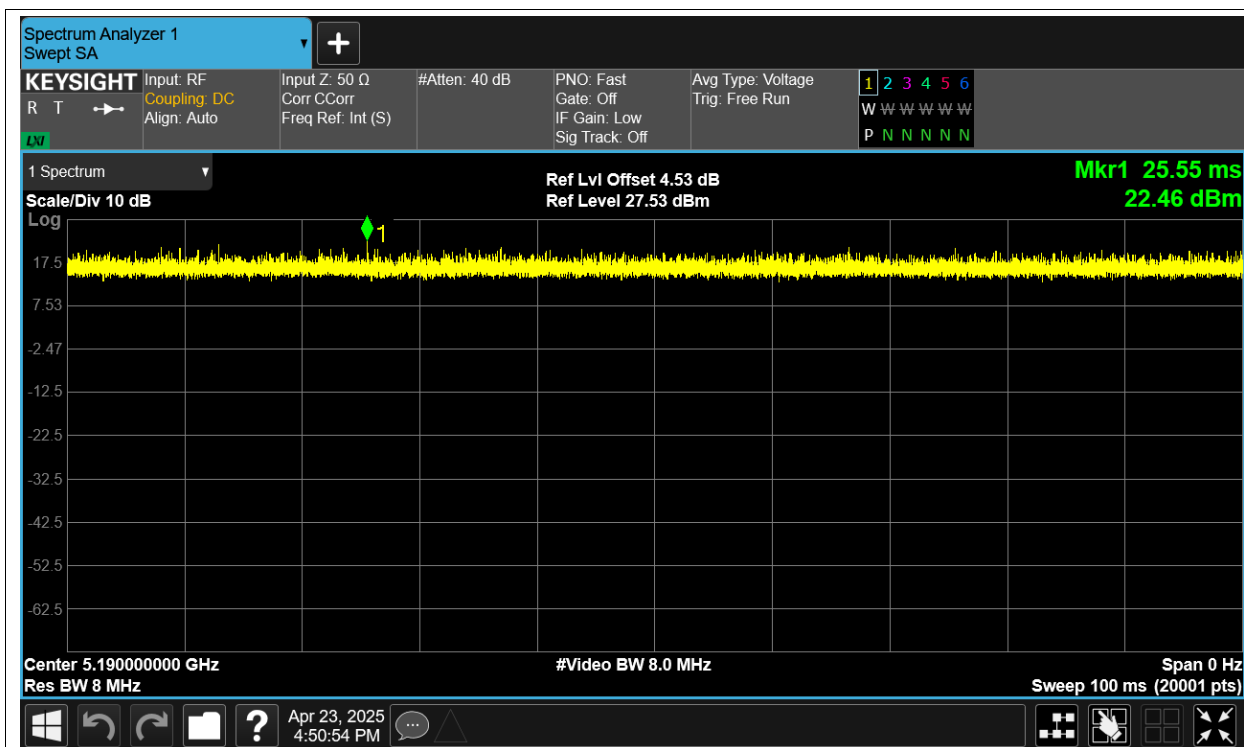
Duty Cycle NVNT ac20 5200MHz Ant14



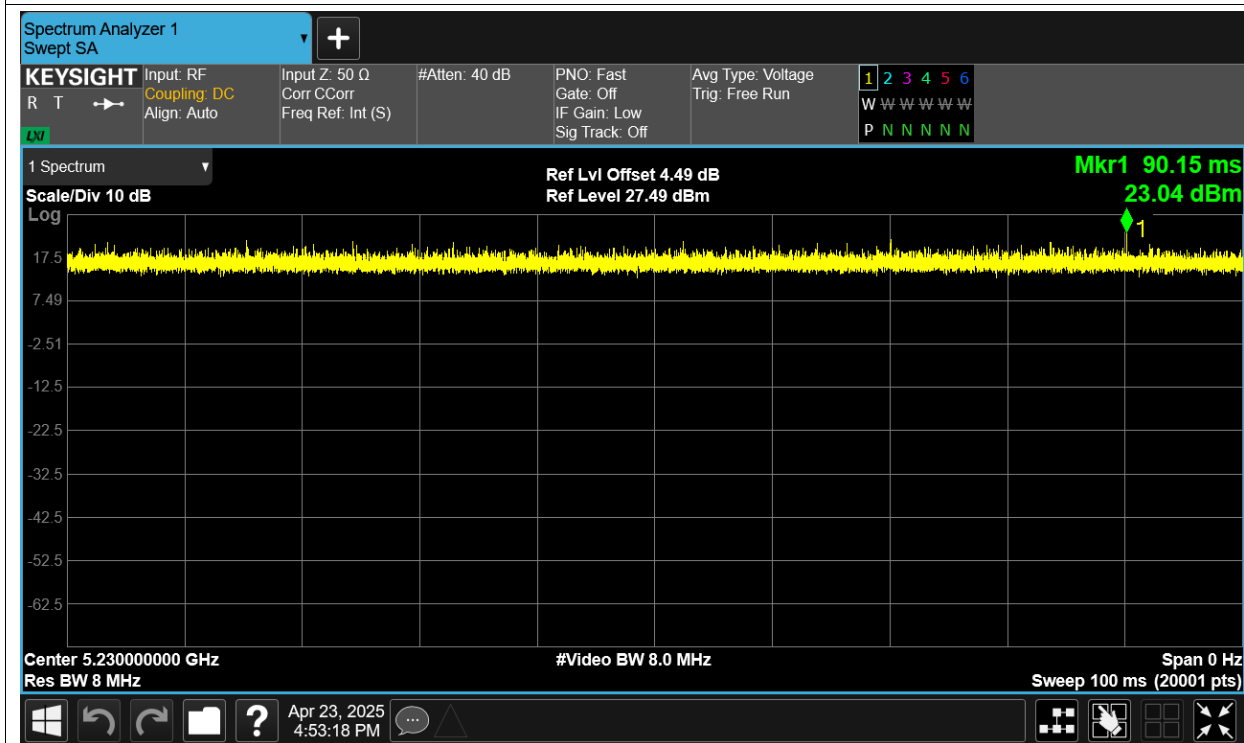
Duty Cycle NVNT ac20 5240MHz Ant14



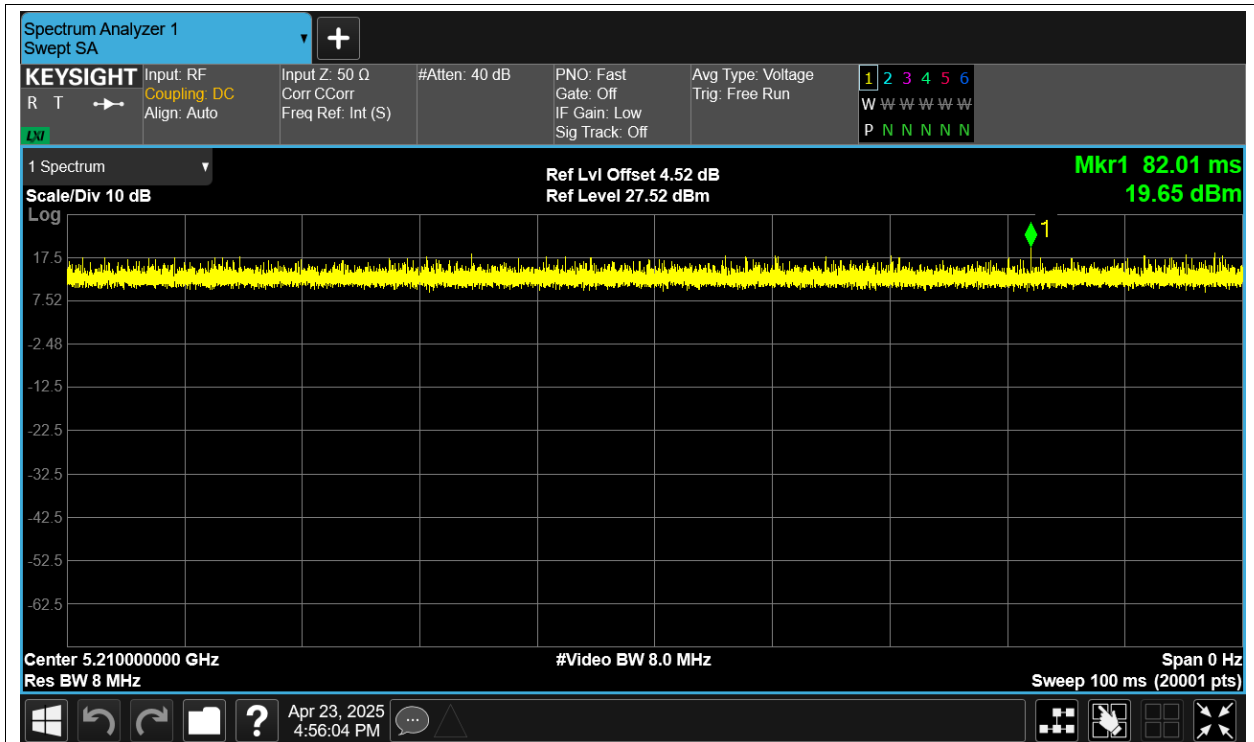
Duty Cycle NVNT ac40 5190MHz Ant14



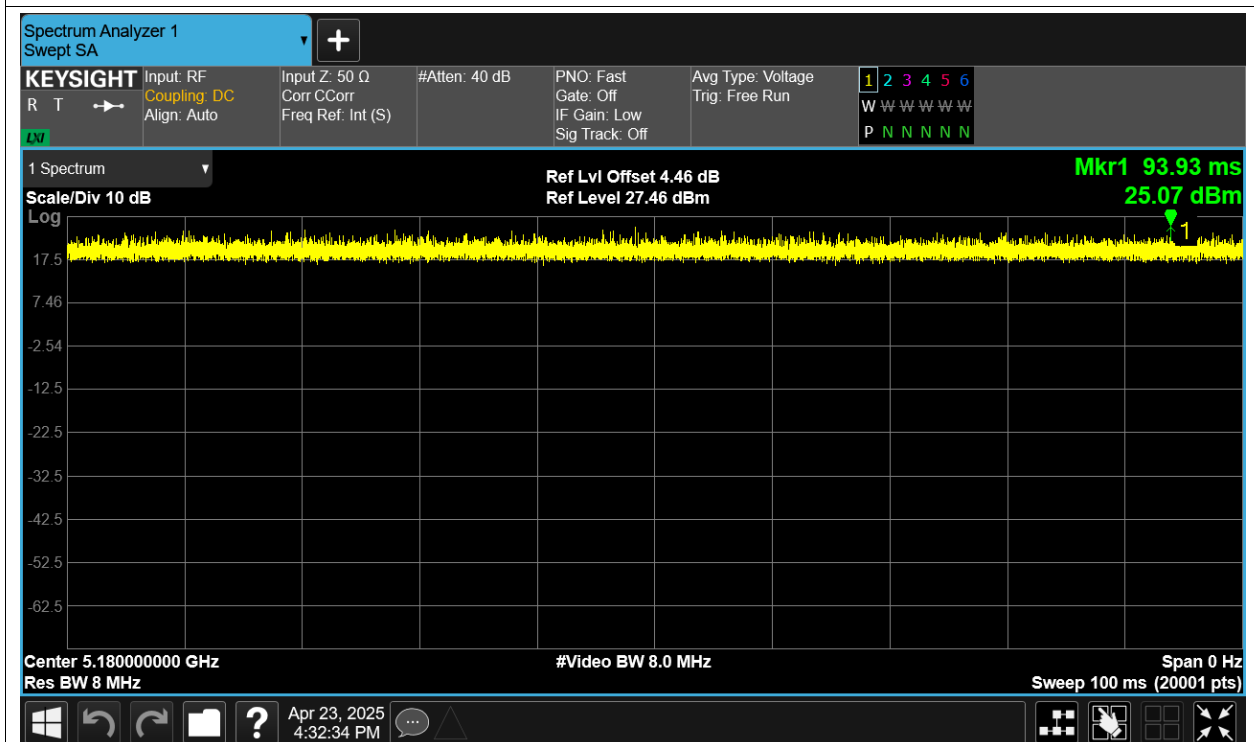
Duty Cycle NVNT ac40 5230MHz Ant14



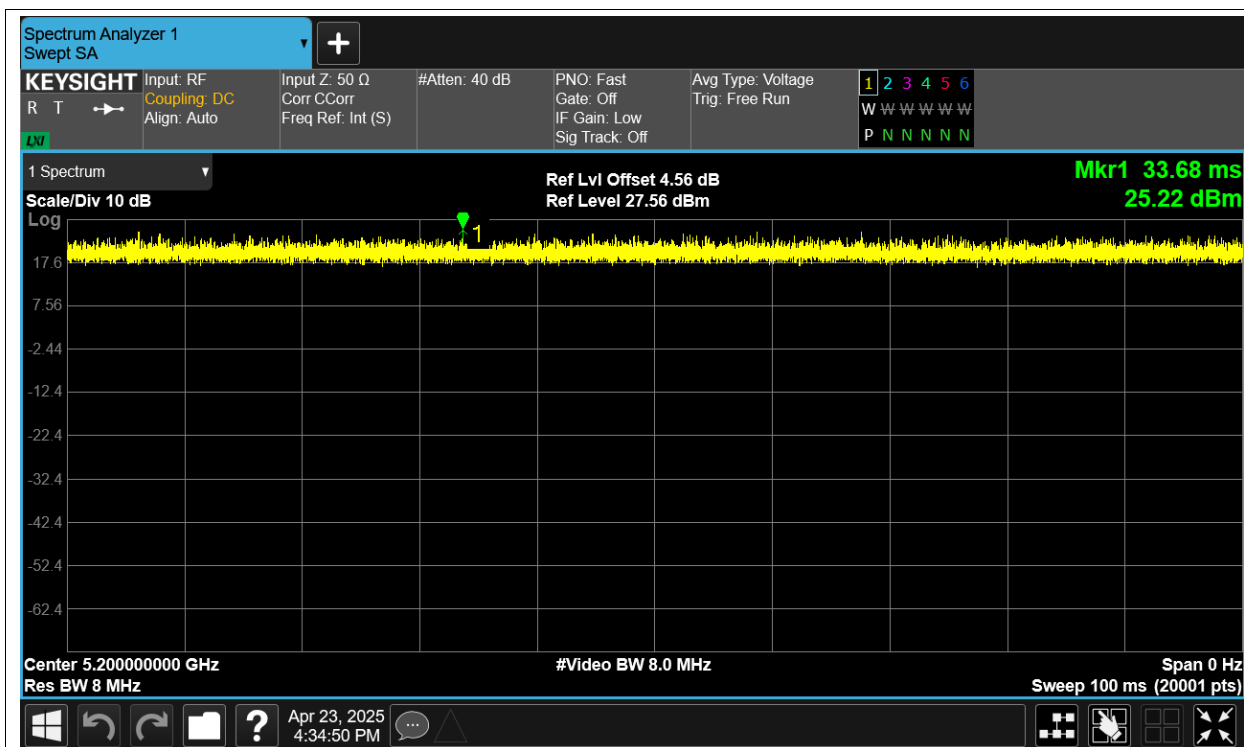
Duty Cycle NVNT ac80 5210MHz Ant14



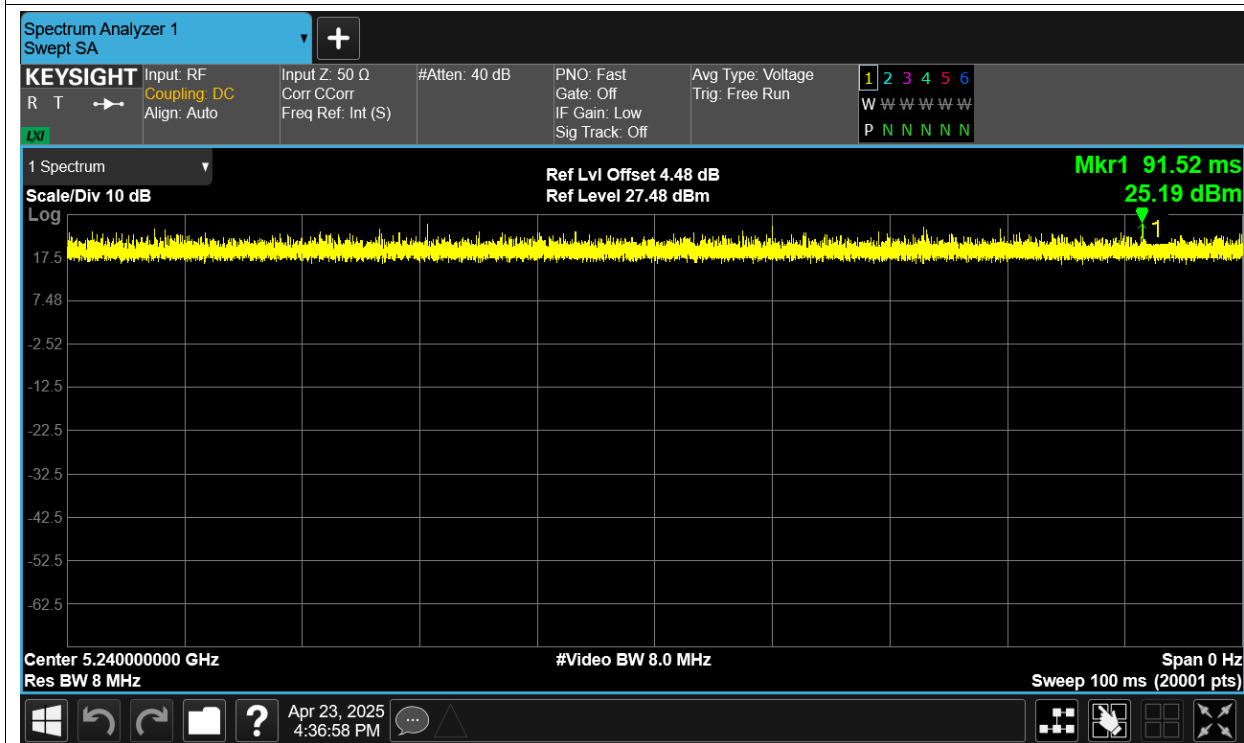
Duty Cycle NVNT n20 5180MHz Ant14



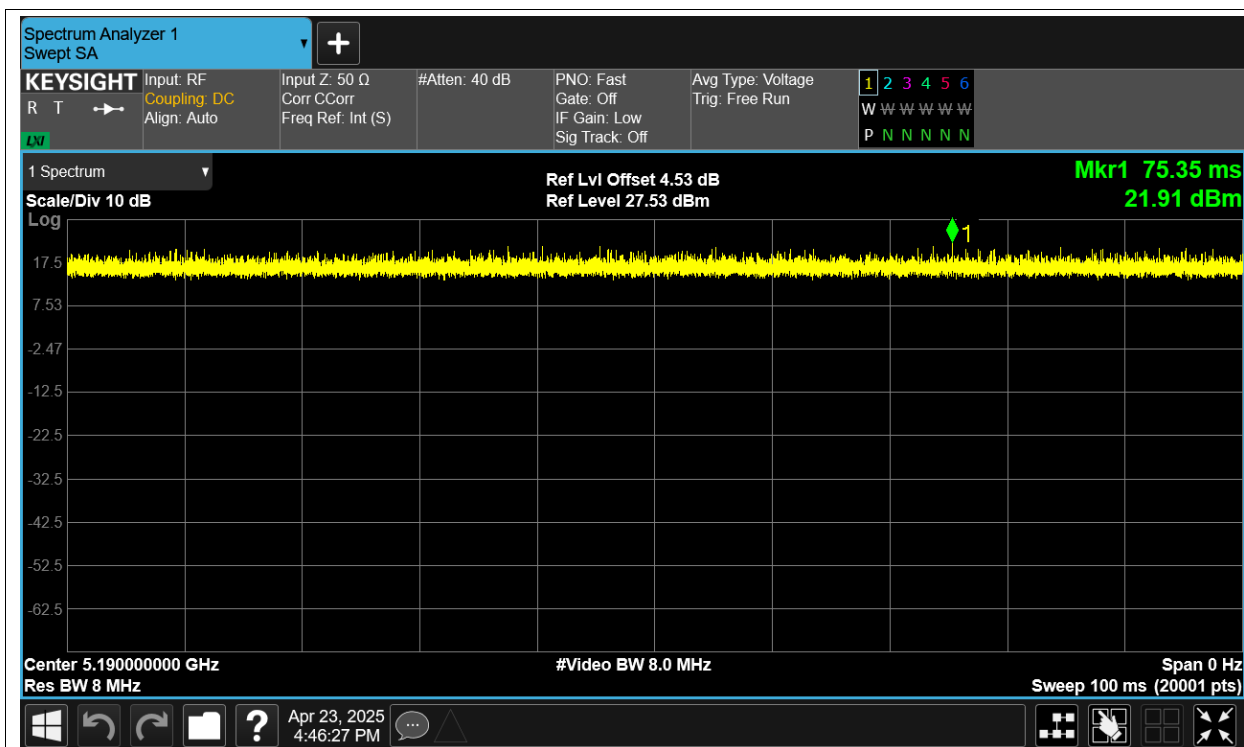
Duty Cycle NVNT n20 5200MHz Ant14



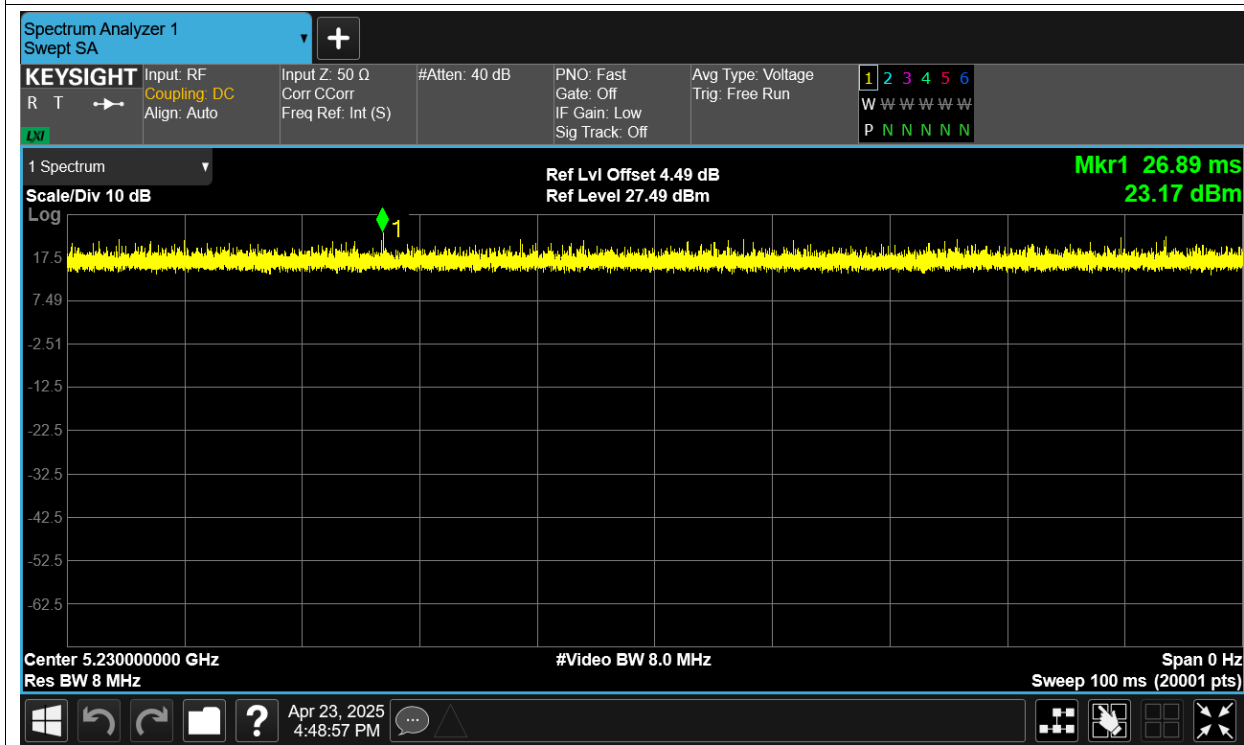
Duty Cycle NVNT n20 5240MHz Ant14



Duty Cycle NVNT n40 5190MHz Ant14



Duty Cycle NVNT n40 5230MHz Ant14



Maximum Conducted Output Power

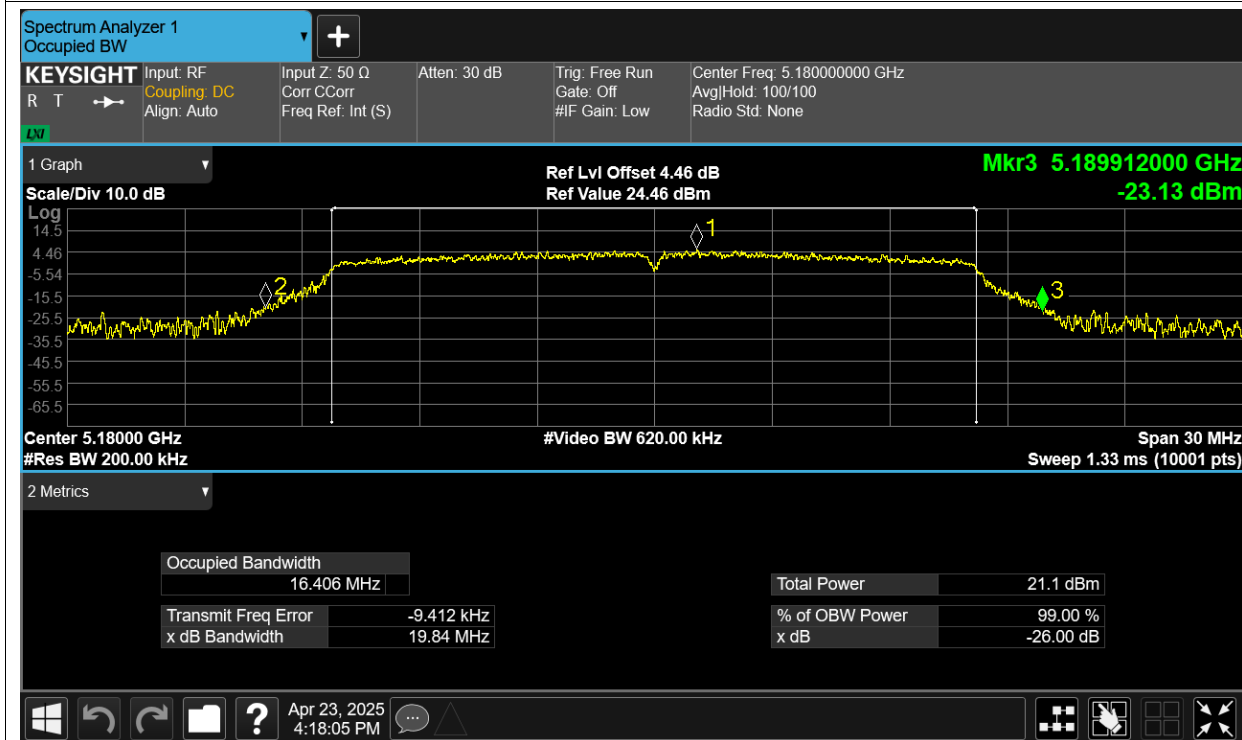
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant14	15.58	0	15.58	24	Pass
NVNT	a	5200	Ant14	16.86	0	16.86	24	Pass
NVNT	a	5240	Ant14	16.99	0	16.99	24	Pass
NVNT	ac20	5180	Ant14	15.32	0	15.32	24	Pass
NVNT	ac20	5200	Ant14	15.08	0	15.08	24	Pass
NVNT	ac20	5240	Ant14	15.47	0	15.47	24	Pass
NVNT	ac40	5190	Ant14	14.93	0	14.93	23	Pass
NVNT	ac40	5230	Ant14	15.12	0	15.12	24	Pass
NVNT	ac80	5210	Ant14	14.82	0	14.82	24	Pass
NVNT	n20	5180	Ant14	15.37	0	15.37	24	Pass
NVNT	n20	5200	Ant14	15.4	0	15.4	24	Pass
NVNT	n20	5240	Ant14	15.49	0	15.49	24	Pass
NVNT	n40	5190	Ant14	15.12	0	15.12	24	Pass
NVNT	n40	5230	Ant14	15.56	0	15.56	24	Pass

-26dB Bandwidth

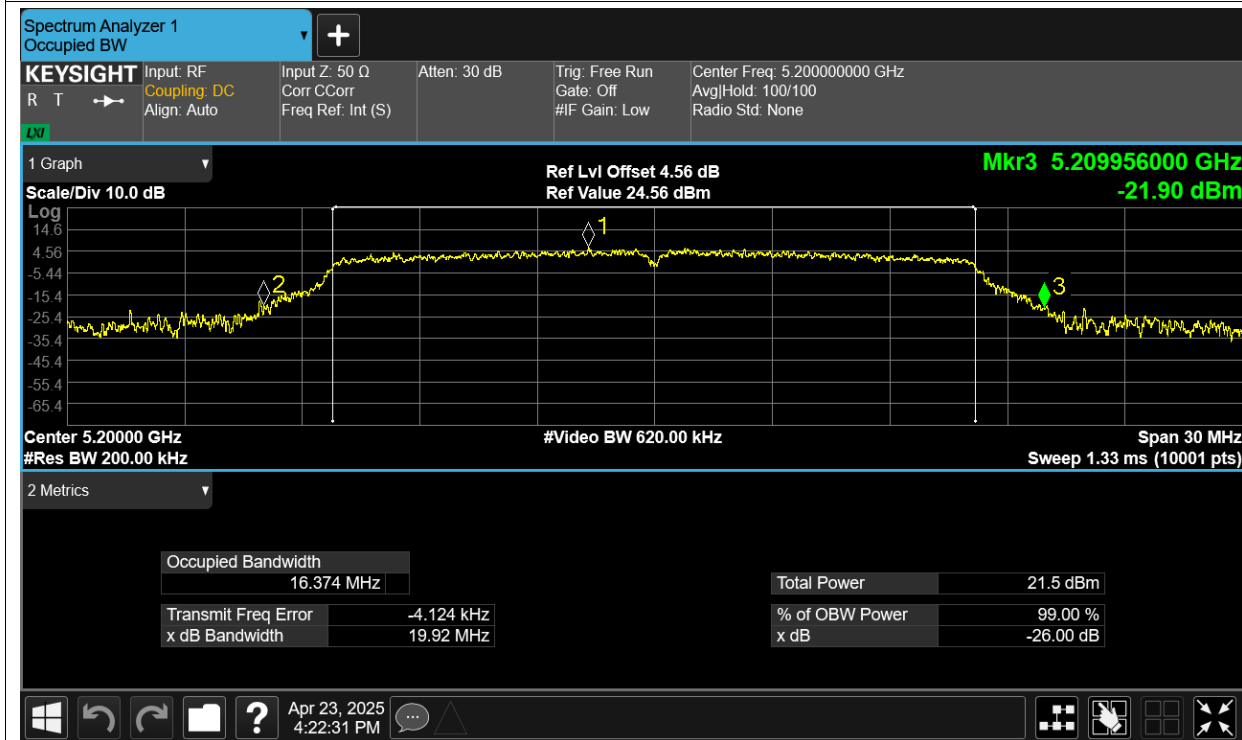
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant14	19.842
NVNT	a	5200	Ant14	19.92
NVNT	a	5240	Ant14	22.136
NVNT	ac20	5180	Ant14	20.166
NVNT	ac20	5200	Ant14	20.162
NVNT	ac20	5240	Ant14	19.986
NVNT	ac40	5190	Ant14	39.277
NVNT	ac40	5230	Ant14	39.859
NVNT	ac80	5210	Ant14	78.827
NVNT	n20	5180	Ant14	20.022
NVNT	n20	5200	Ant14	20.101
NVNT	n20	5240	Ant14	20.131
NVNT	n40	5190	Ant14	39.34
NVNT	n40	5230	Ant14	39.324

Test Graphs

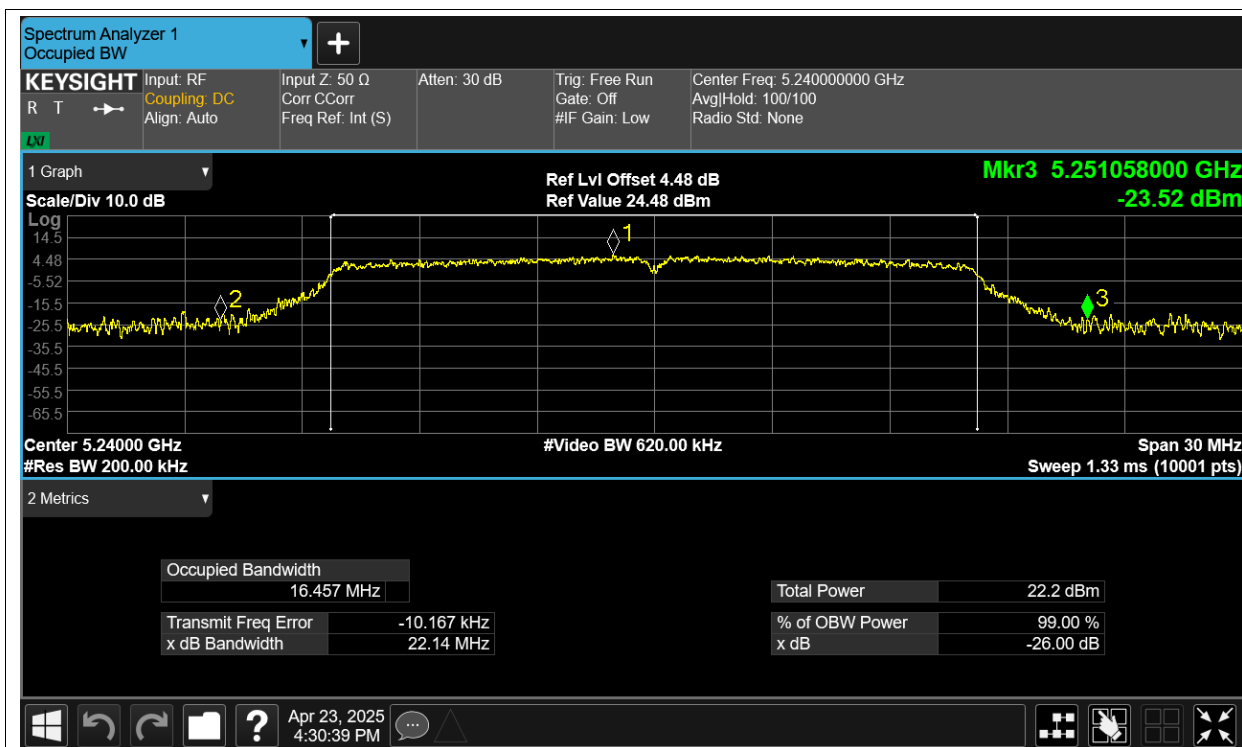
-26dB Bandwidth NVNT a 5180MHz Ant14



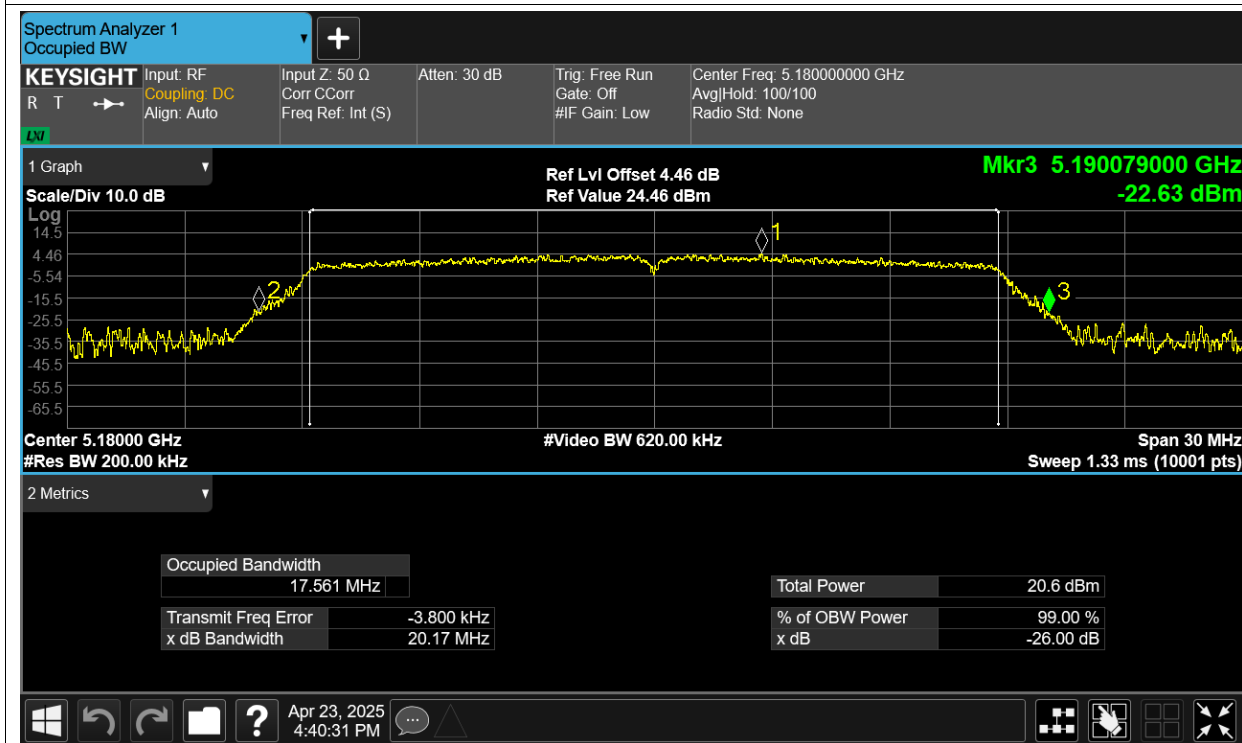
-26dB Bandwidth NVNT a 5200MHz Ant14



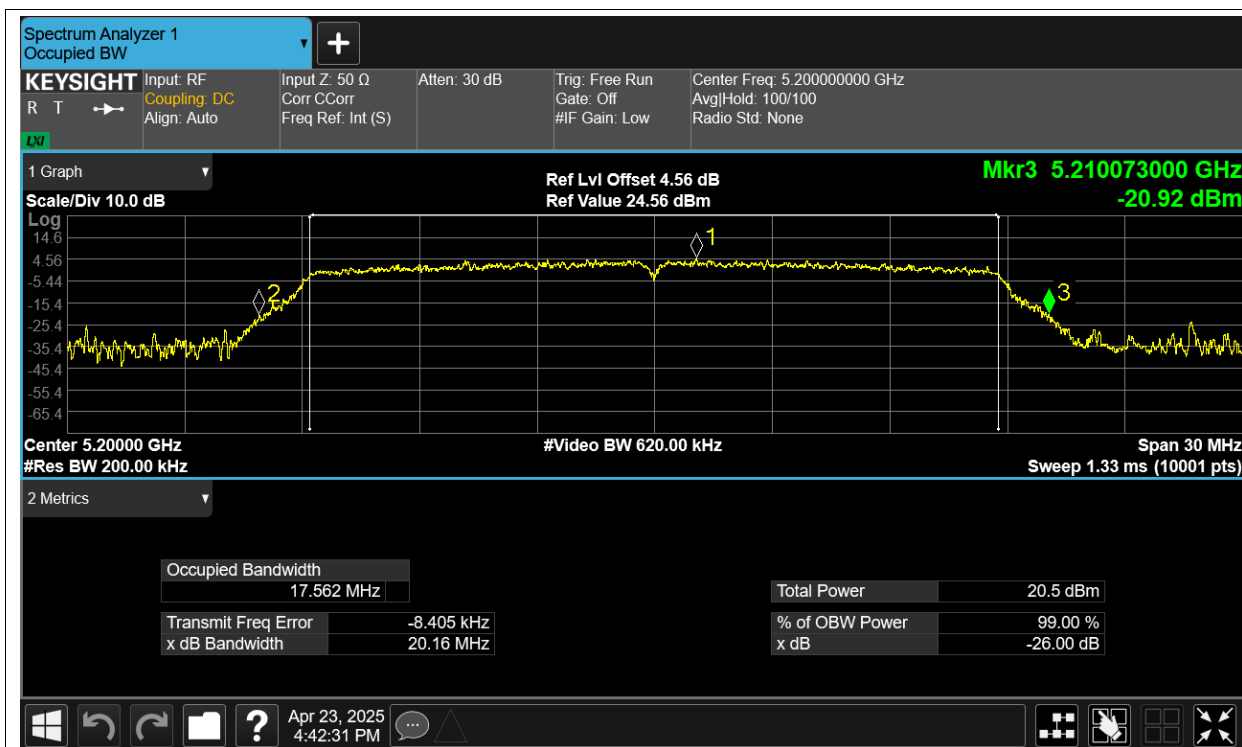
-26dB Bandwidth NVNT a 5240MHz Ant14



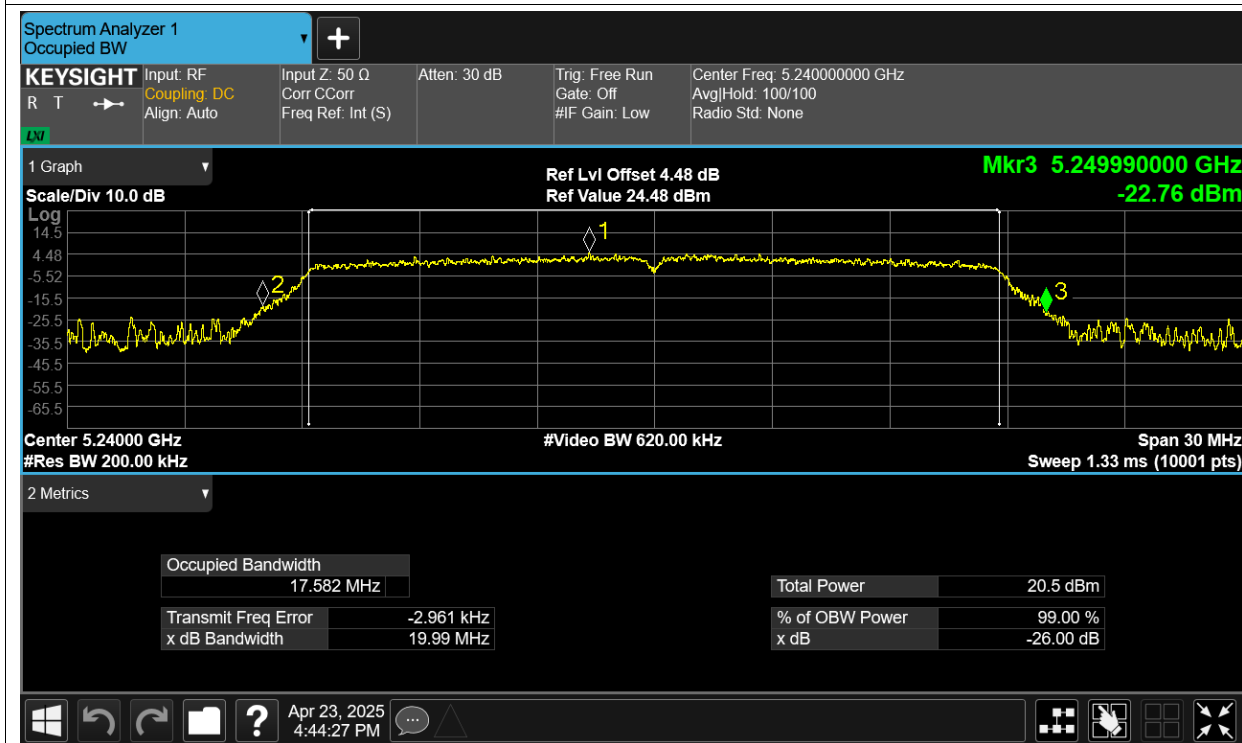
-26dB Bandwidth NVNT ac20 5180MHz Ant14



-26dB Bandwidth NVNT ac20 5200MHz Ant14



-26dB Bandwidth NVNT ac20 5240MHz Ant14



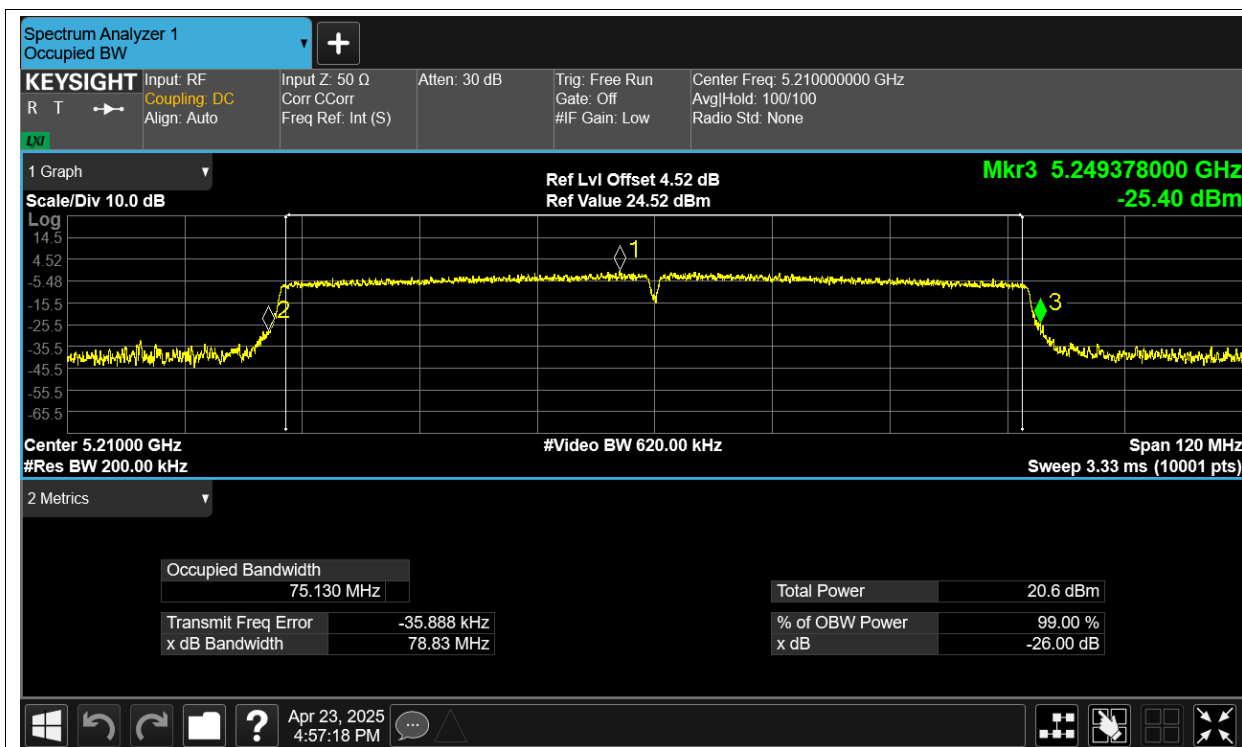
-26dB Bandwidth NVNT ac40 5190MHz Ant14



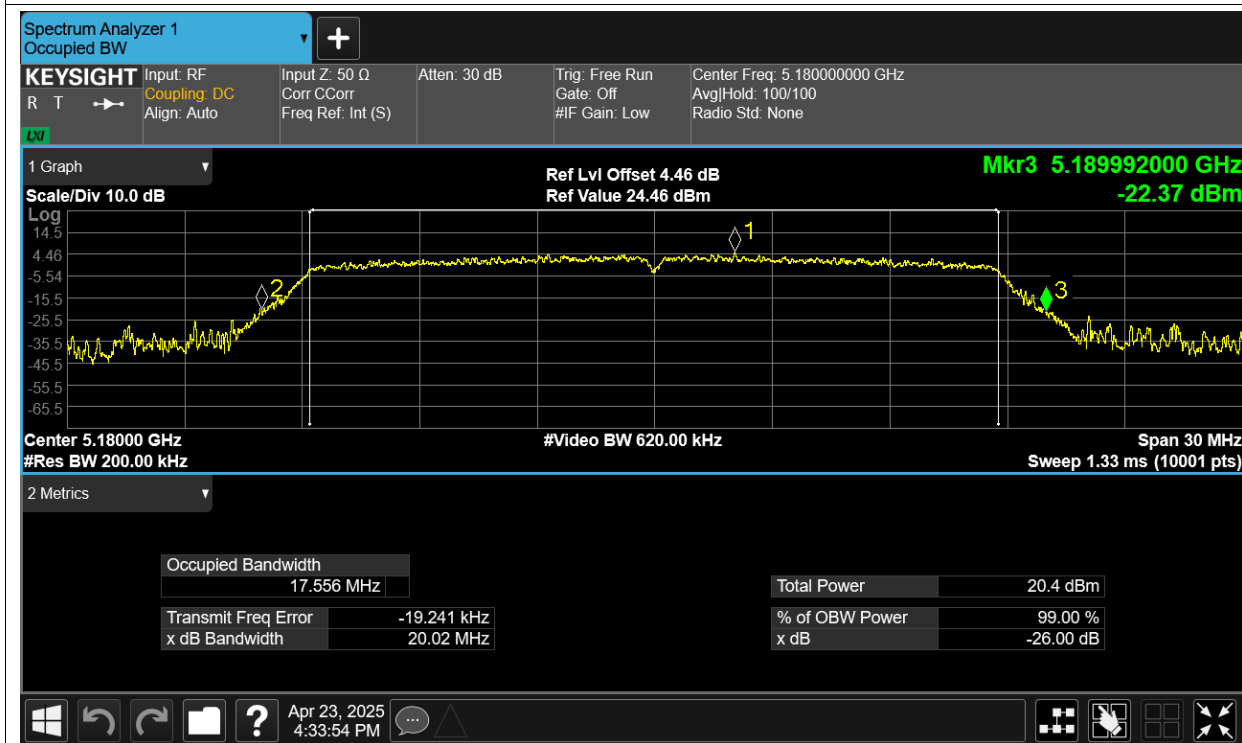
-26dB Bandwidth NVNT ac40 5230MHz Ant14



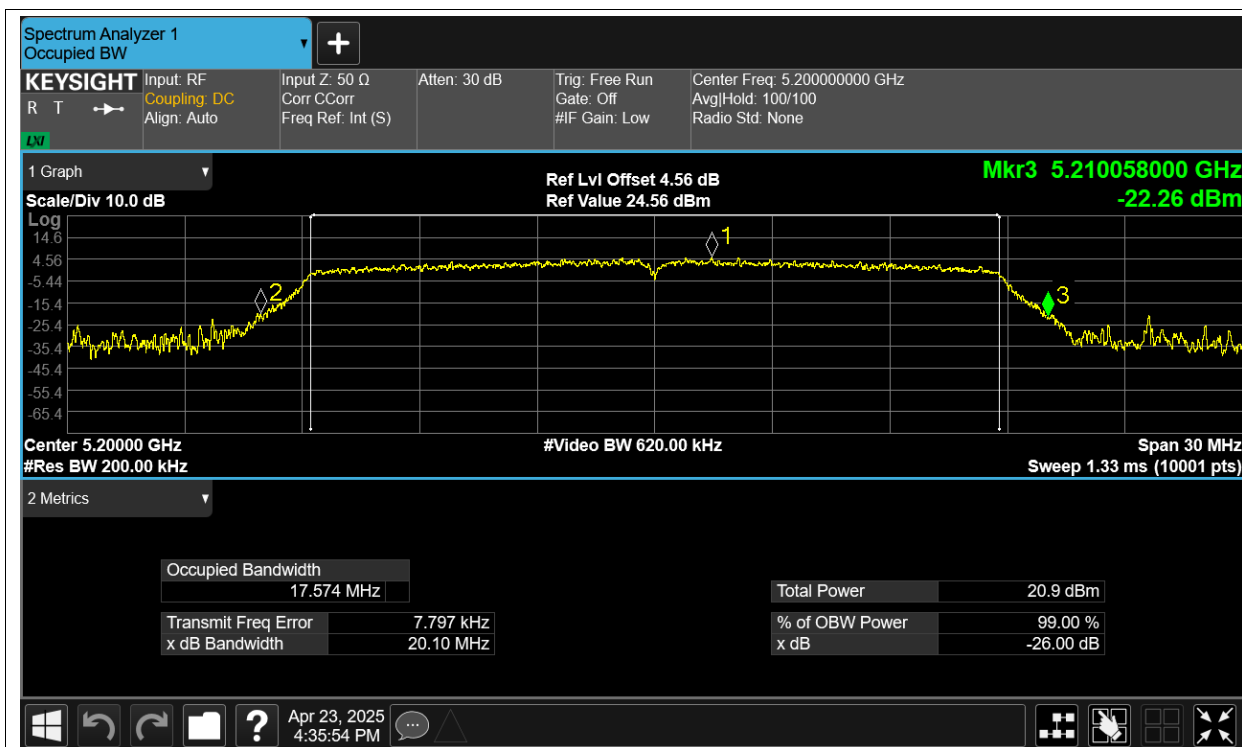
-26dB Bandwidth NVNT ac80 5210MHz Ant14



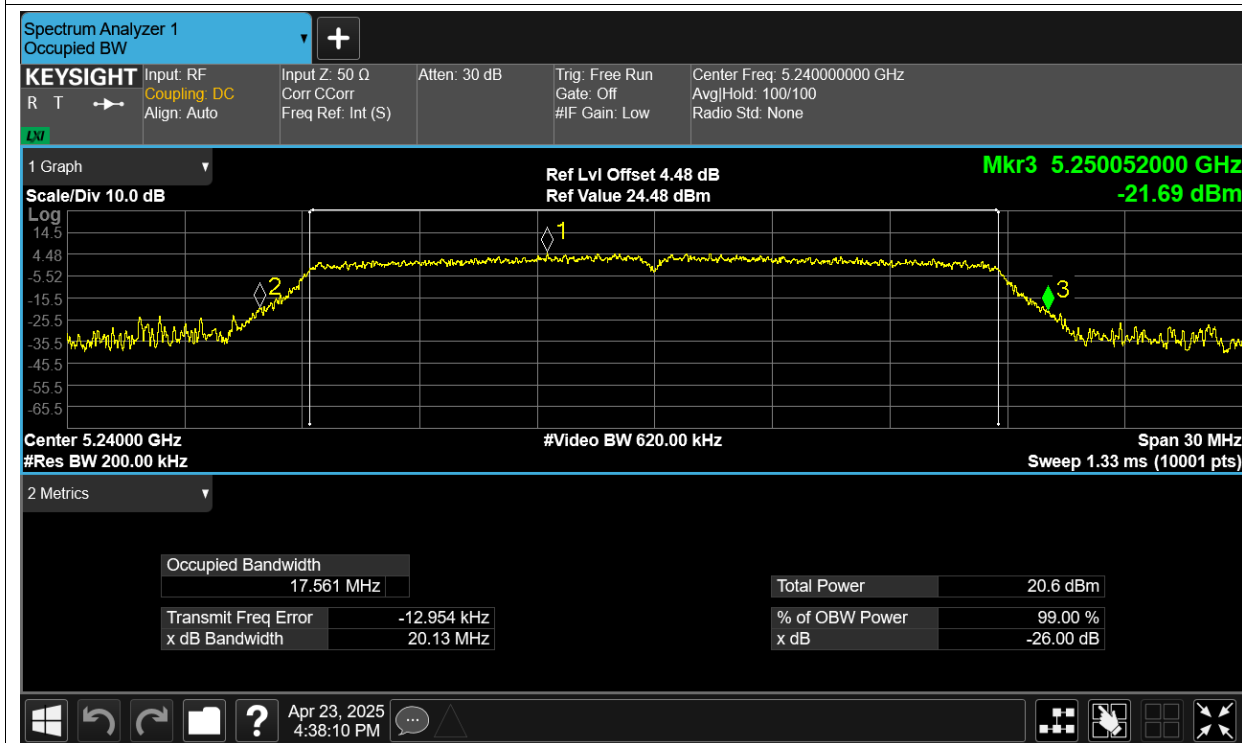
-26dB Bandwidth NVNT n20 5180MHz Ant14



-26dB Bandwidth NVNT n20 5200MHz Ant14



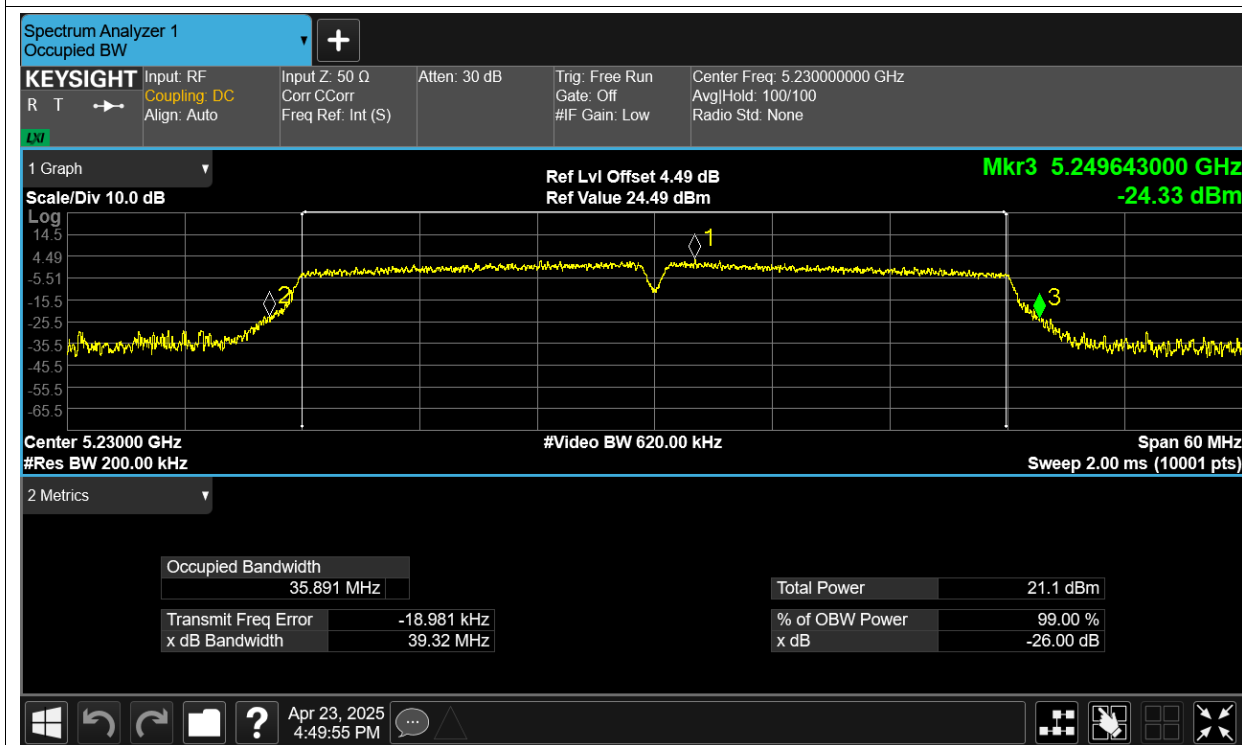
-26dB Bandwidth NVNT n20 5240MHz Ant14



-26dB Bandwidth NVNT n40 5190MHz Ant14



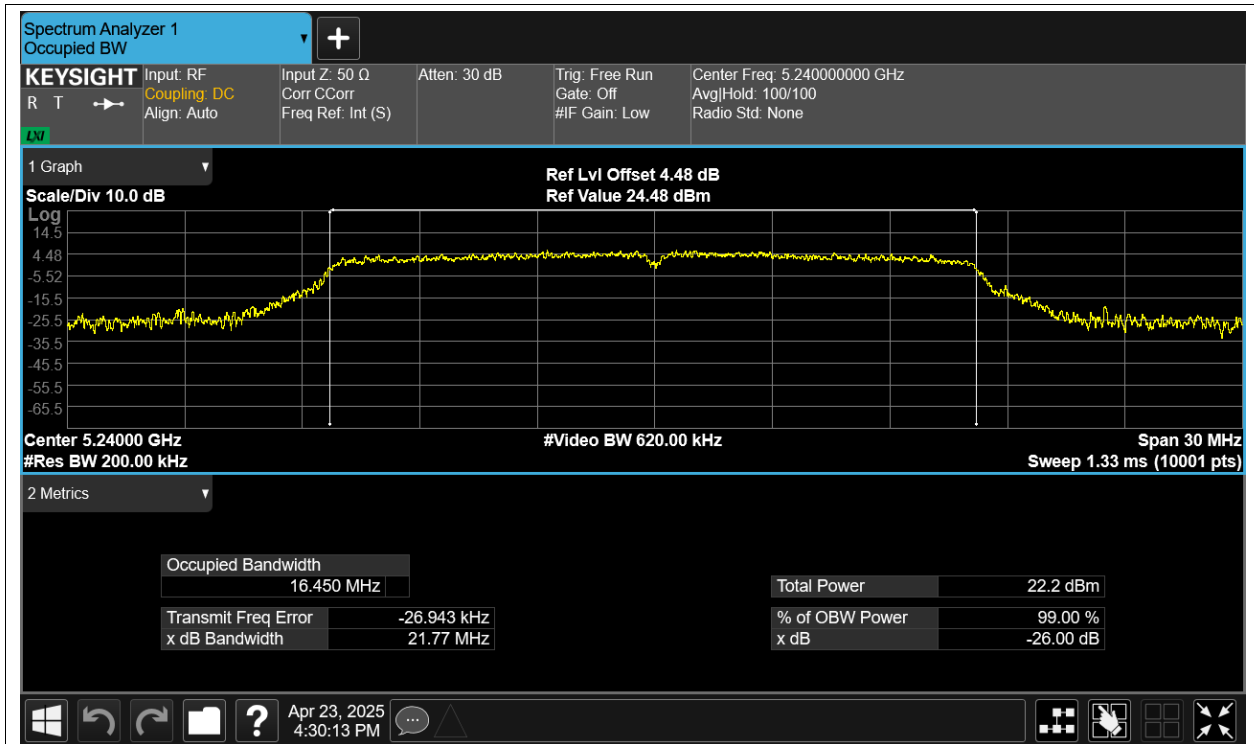
-26dB Bandwidth NVNT n40 5230MHz Ant14



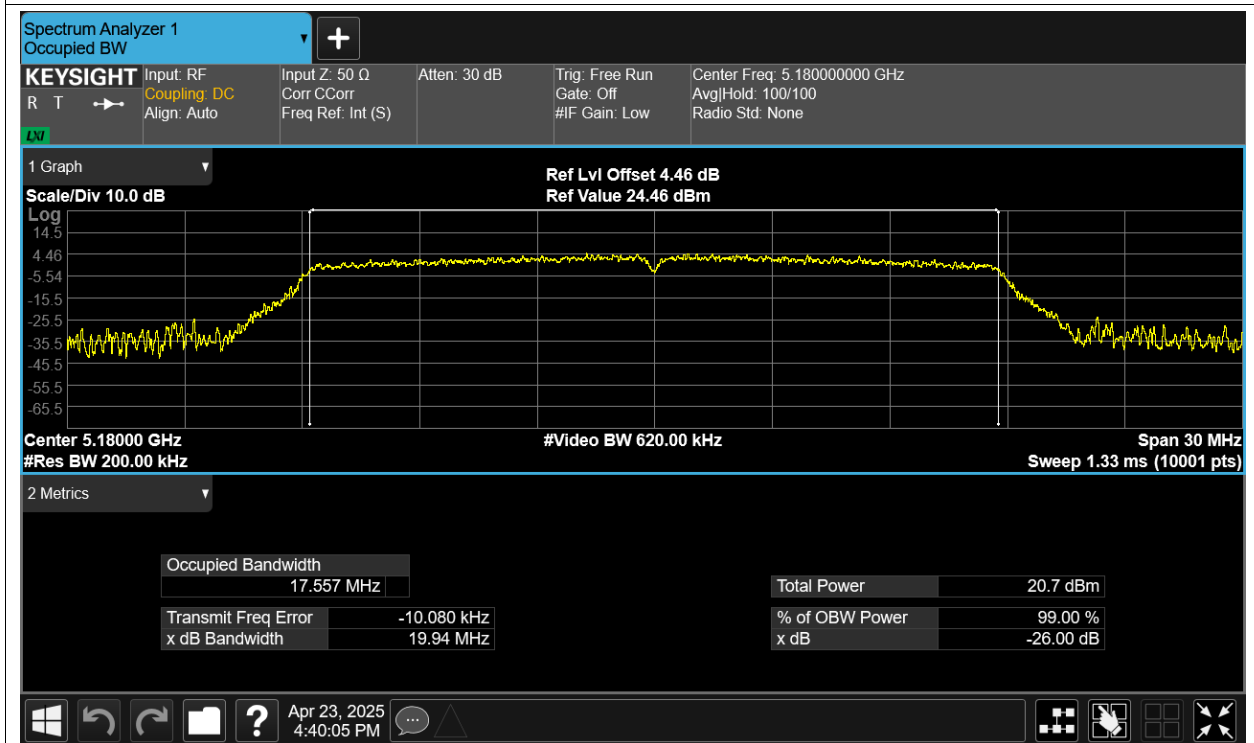
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant14	16.42
NVNT	a	5200	Ant14	16.423
NVNT	a	5240	Ant14	16.45
NVNT	ac20	5180	Ant14	17.557
NVNT	ac20	5200	Ant14	17.58
NVNT	ac20	5240	Ant14	17.599
NVNT	ac40	5190	Ant14	35.928
NVNT	ac40	5230	Ant14	35.994
NVNT	ac80	5210	Ant14	75.181
NVNT	n20	5180	Ant14	17.581
NVNT	n20	5200	Ant14	17.591
NVNT	n20	5240	Ant14	17.585
NVNT	n40	5190	Ant14	35.963
NVNT	n40	5230	Ant14	35.971

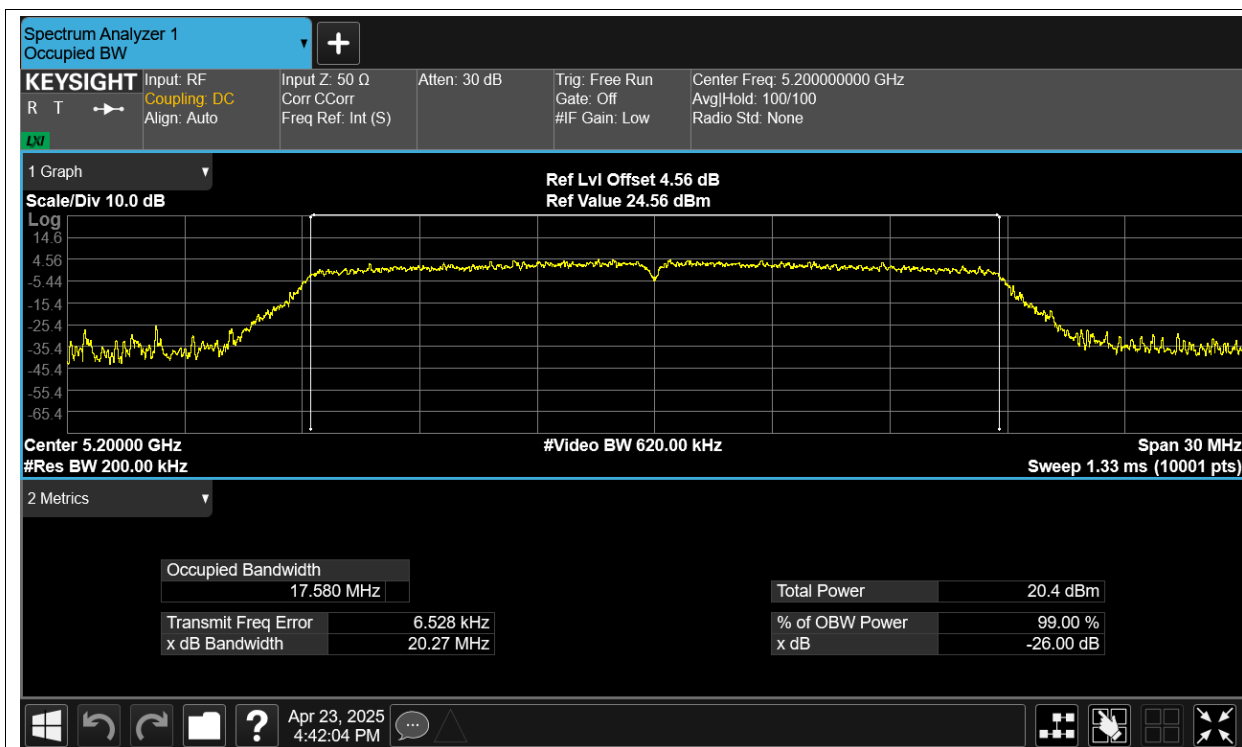




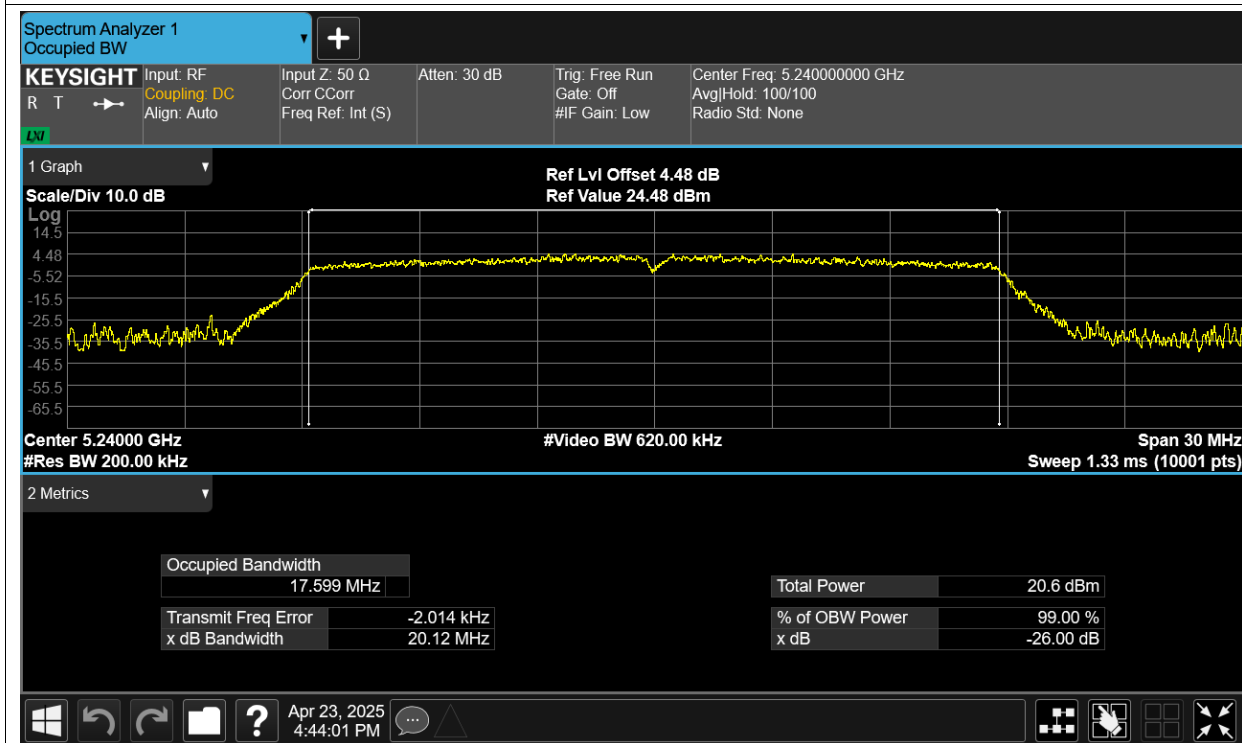
OBW NVNT ac20 5180MHz Ant14



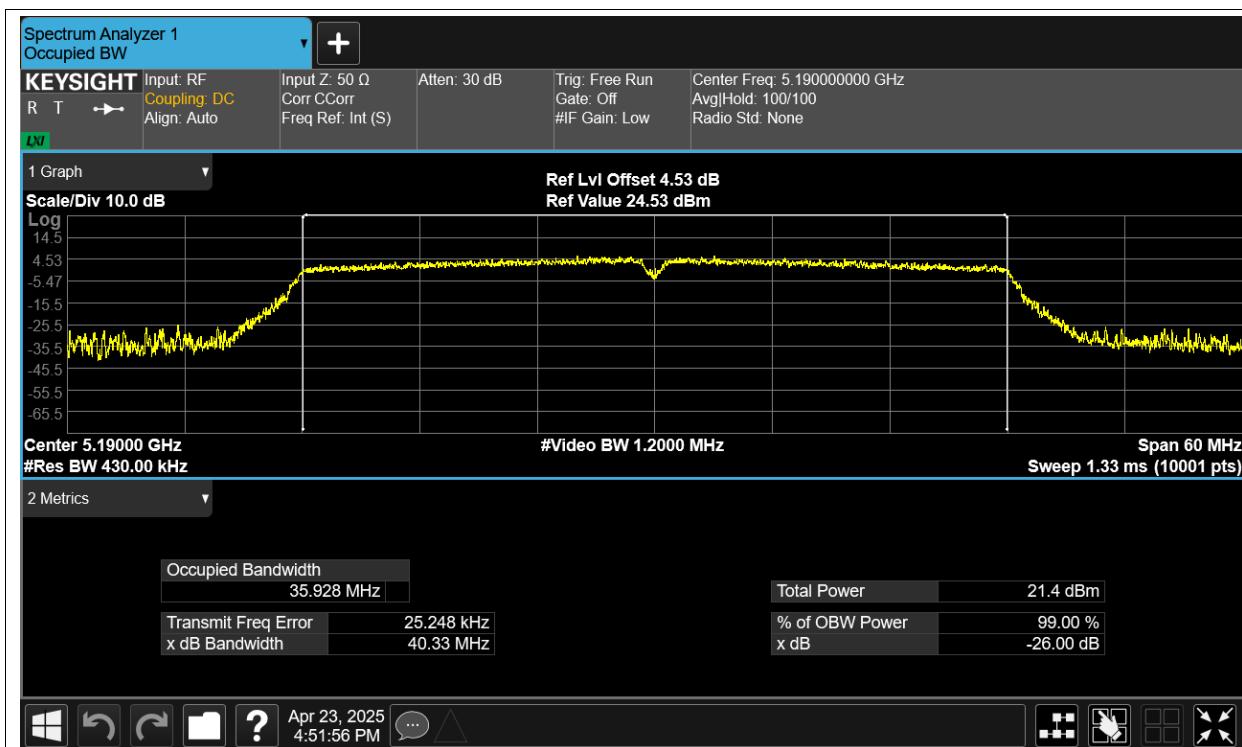
OBW NVNT ac20 5200MHz Ant14



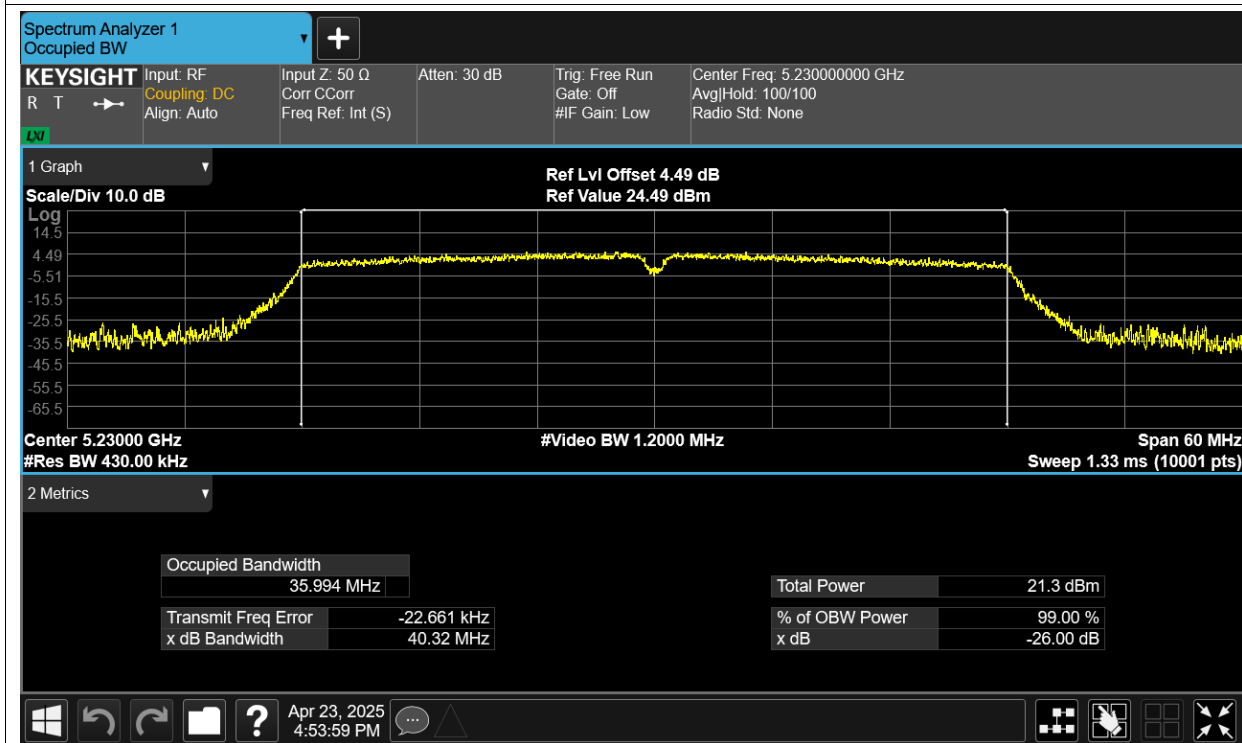
OBW NVNT ac20 5240MHz Ant14



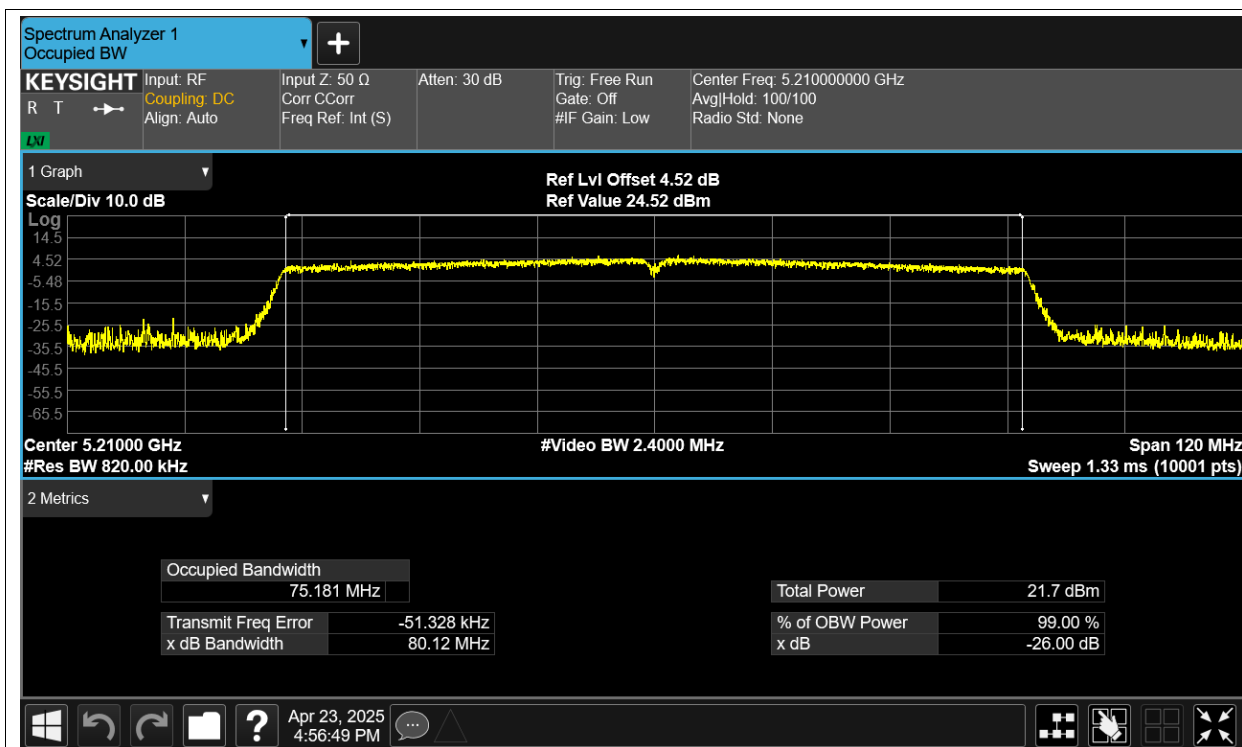
OBW NVNT ac40 5190MHz Ant14



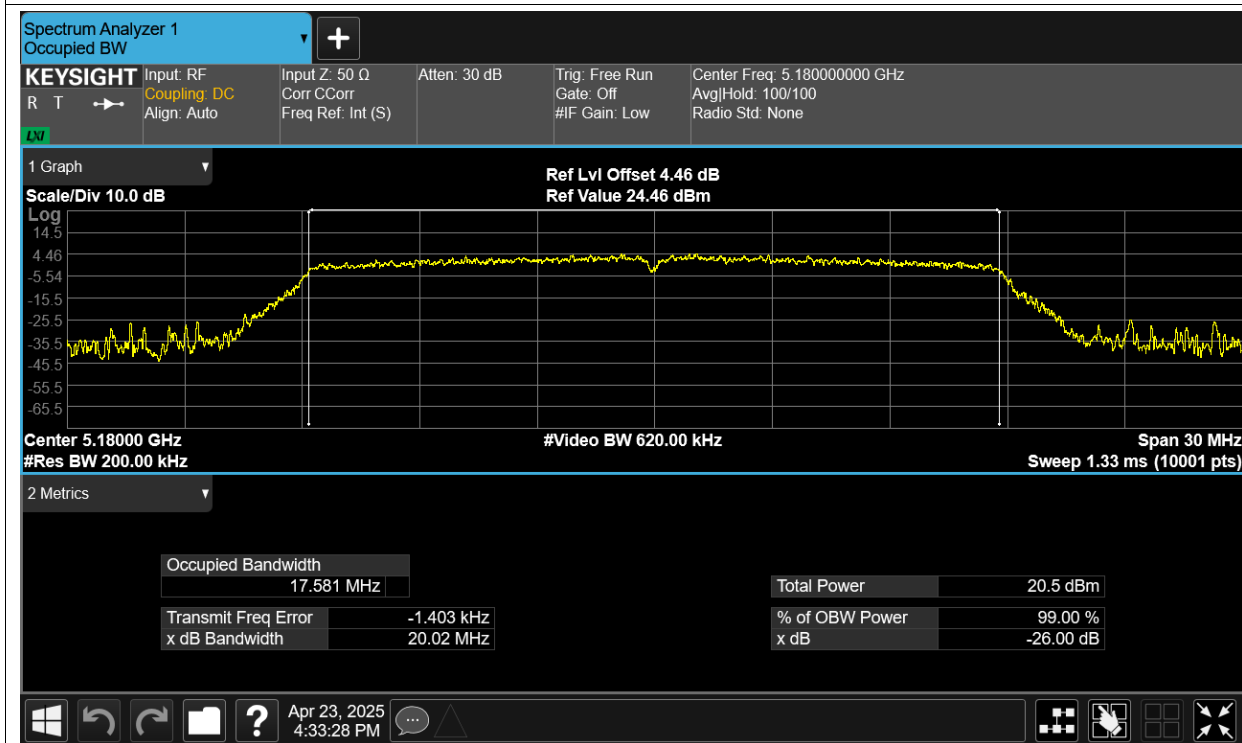
OBW NVNT ac40 5230MHz Ant14



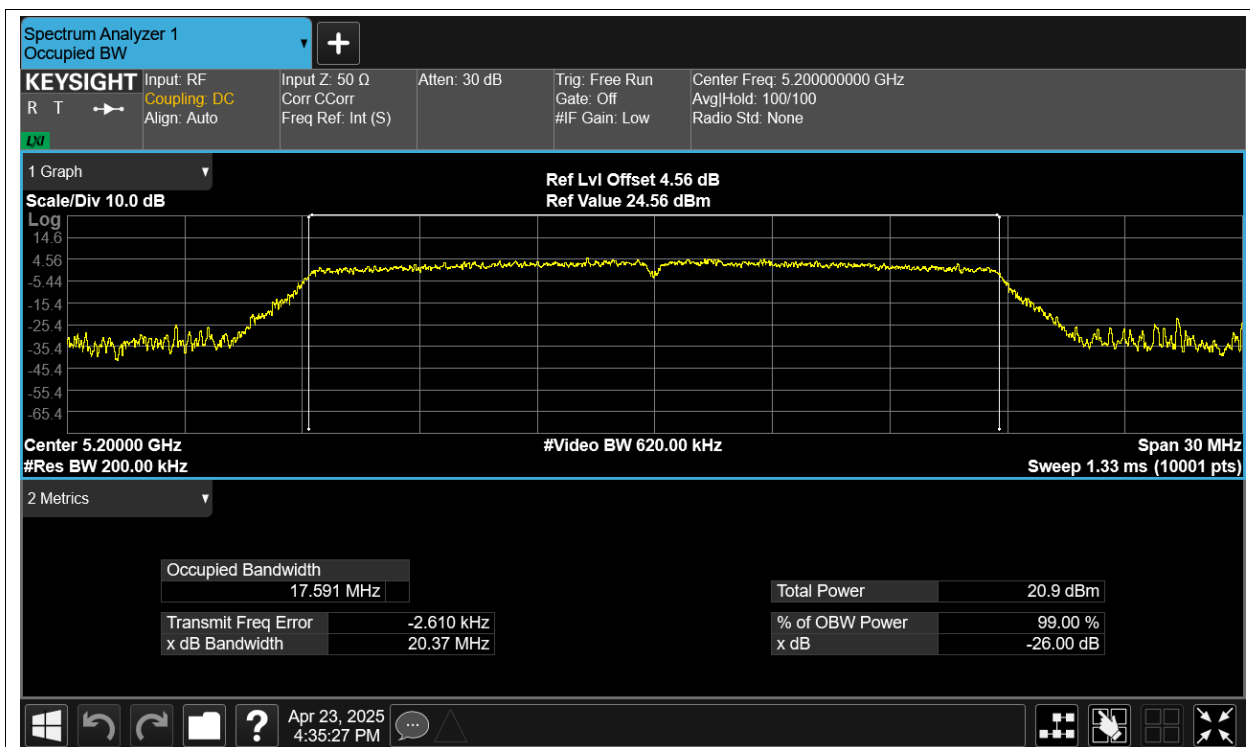
OBW NVNT ac80 5210MHz Ant14



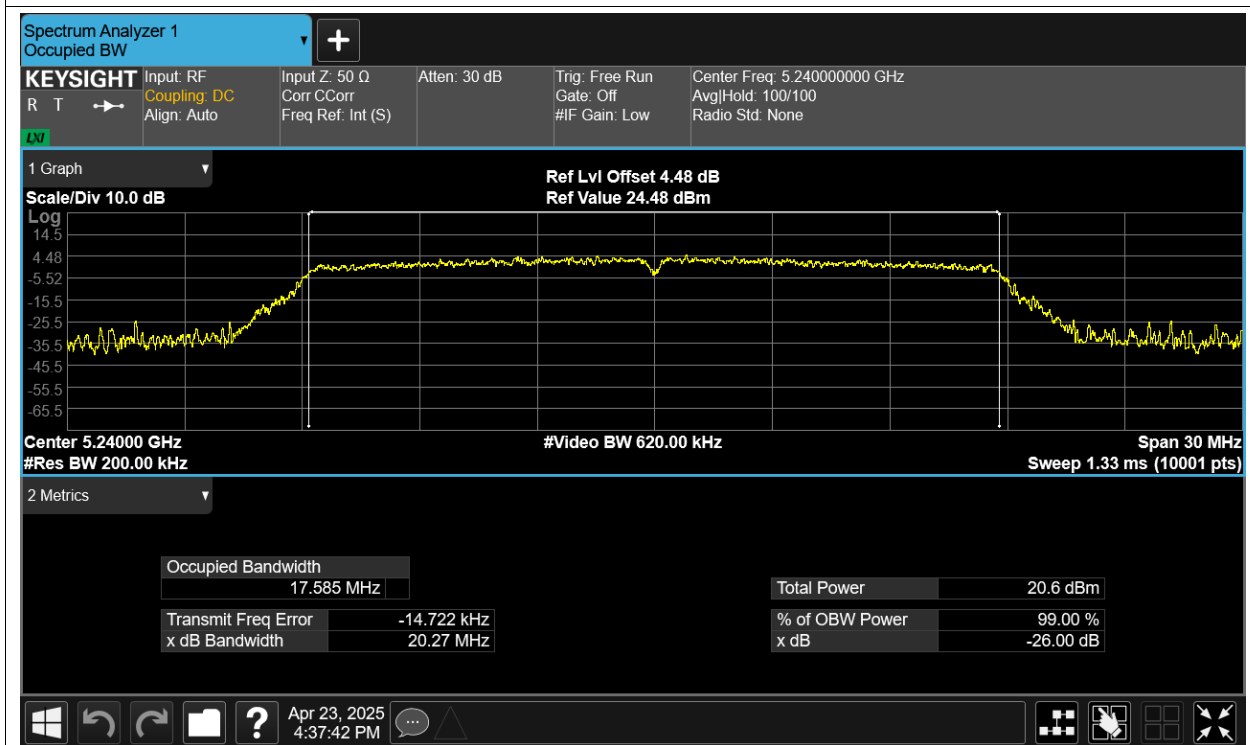
OBW NVNT n20 5180MHz Ant14



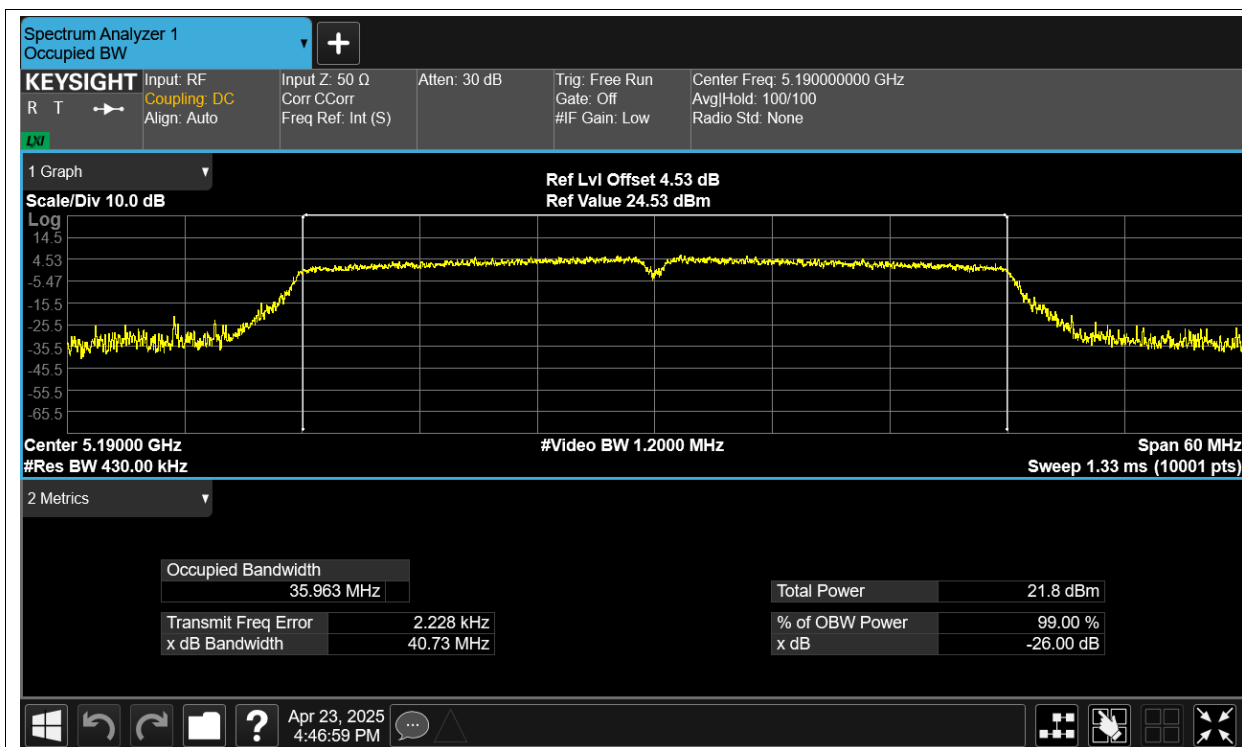
OBW NVNT n20 5200MHz Ant14



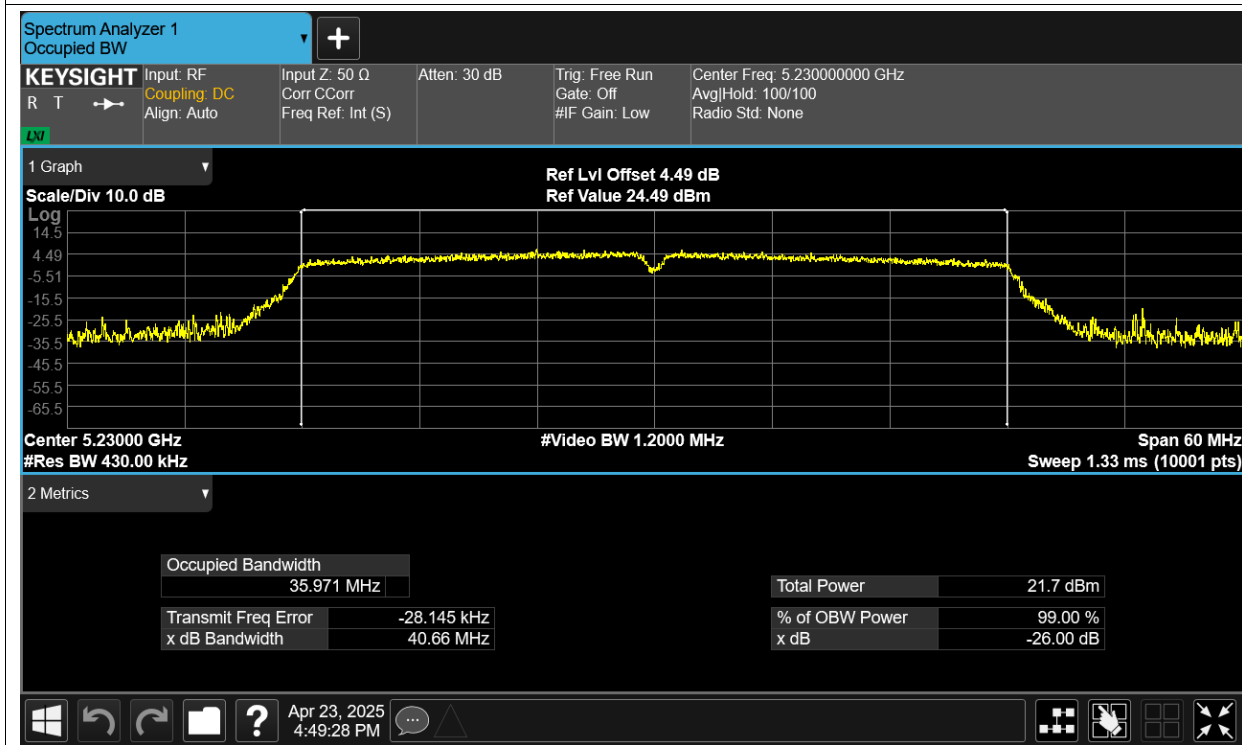
OBW NVNT n20 5240MHz Ant14



OBW NVNT n40 5190MHz Ant14



OBW NVNT n40 5230MHz Ant14

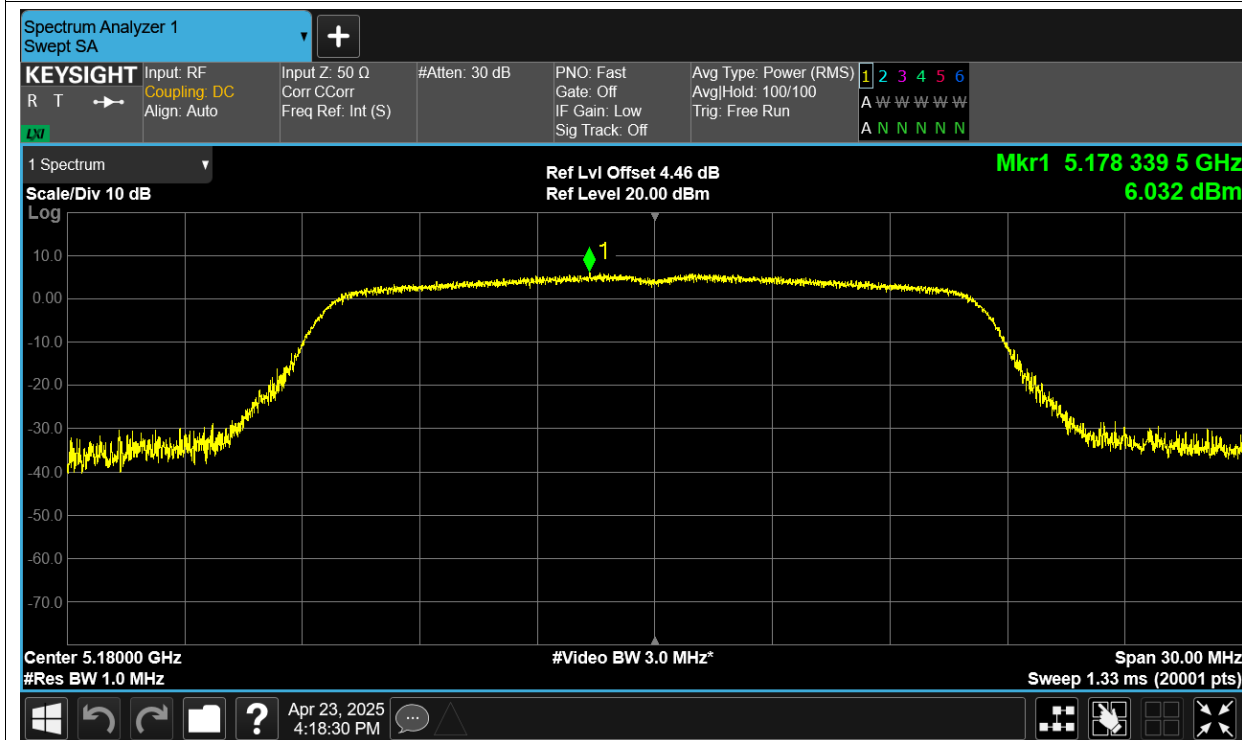


Maximum Power Spectral Density Level

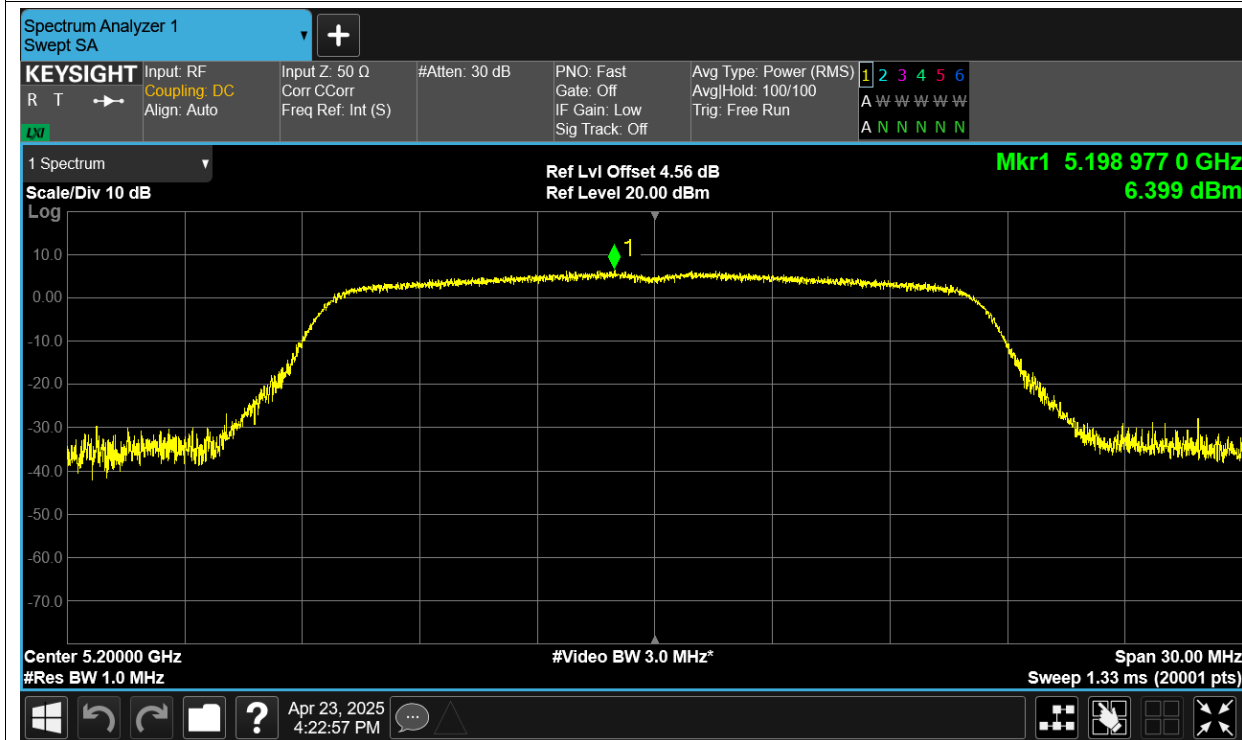
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant14	6.032	11	Pass
NVNT	a	5200	Ant14	6.399	11	Pass
NVNT	a	5240	Ant14	7.2	11	Pass
NVNT	ac20	5180	Ant14	5.37	11	Pass
NVNT	ac20	5200	Ant14	5.447	11	Pass
NVNT	ac20	5240	Ant14	5.137	11	Pass
NVNT	ac40	5190	Ant14	3.091	11	Pass
NVNT	ac40	5230	Ant14	3.112	11	Pass
NVNT	ac80	5210	Ant14	-0.437	11	Pass
NVNT	n20	5180	Ant14	5.274	11	Pass
NVNT	n20	5200	Ant14	5.464	11	Pass
NVNT	n20	5240	Ant14	5.463	11	Pass
NVNT	n40	5190	Ant14	3.441	11	Pass
NVNT	n40	5230	Ant14	3.653	11	Pass

Test Graphs

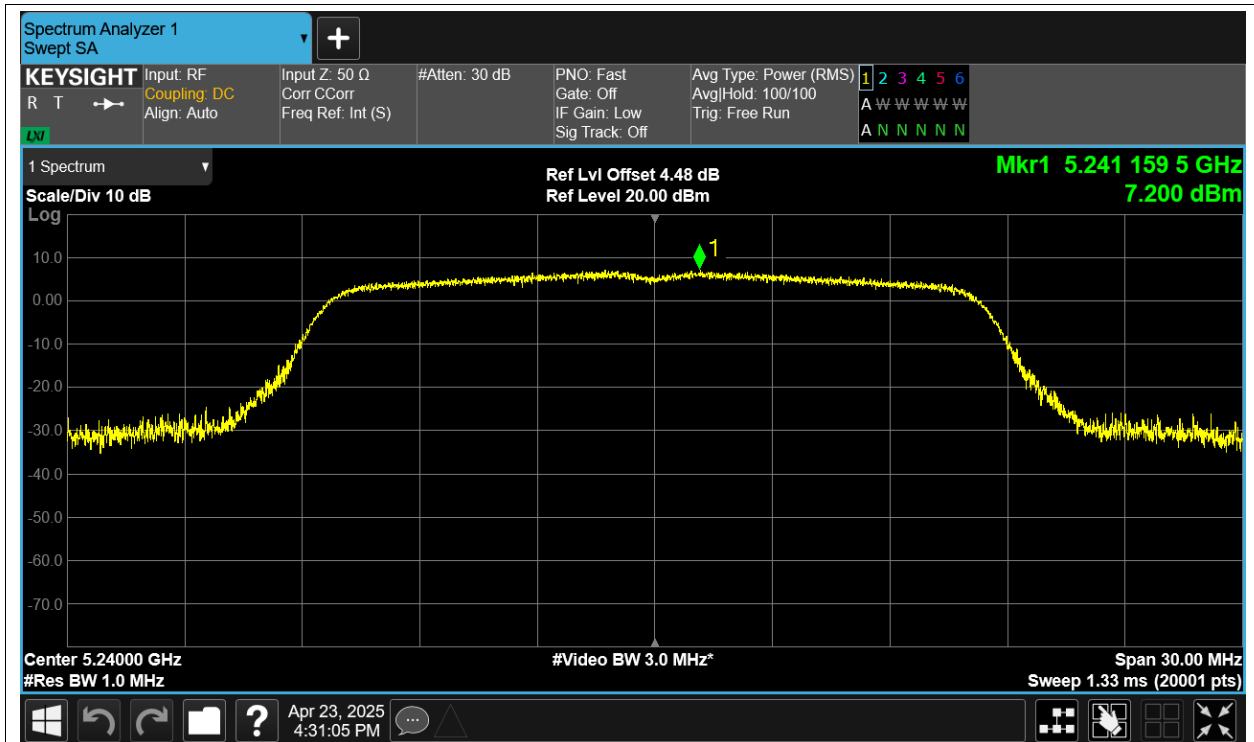
PSD NVNT a 5180MHz Ant14



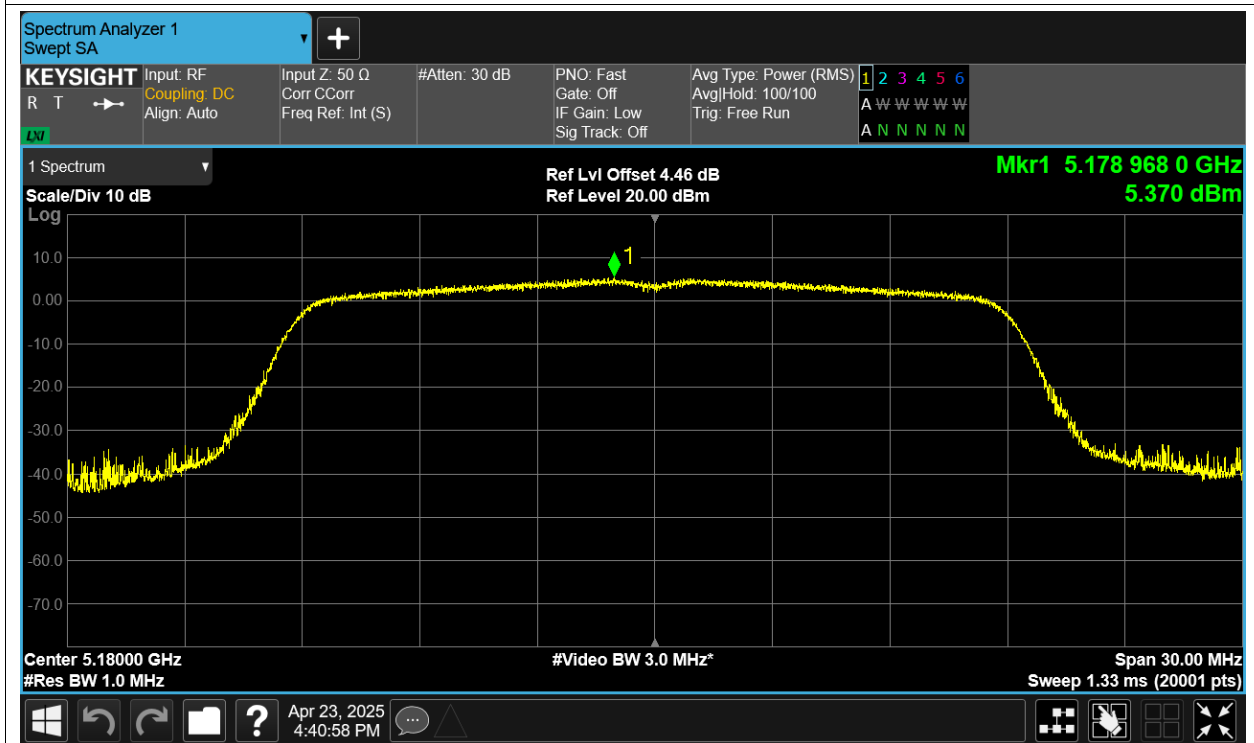
PSD NVNT a 5200MHz Ant14



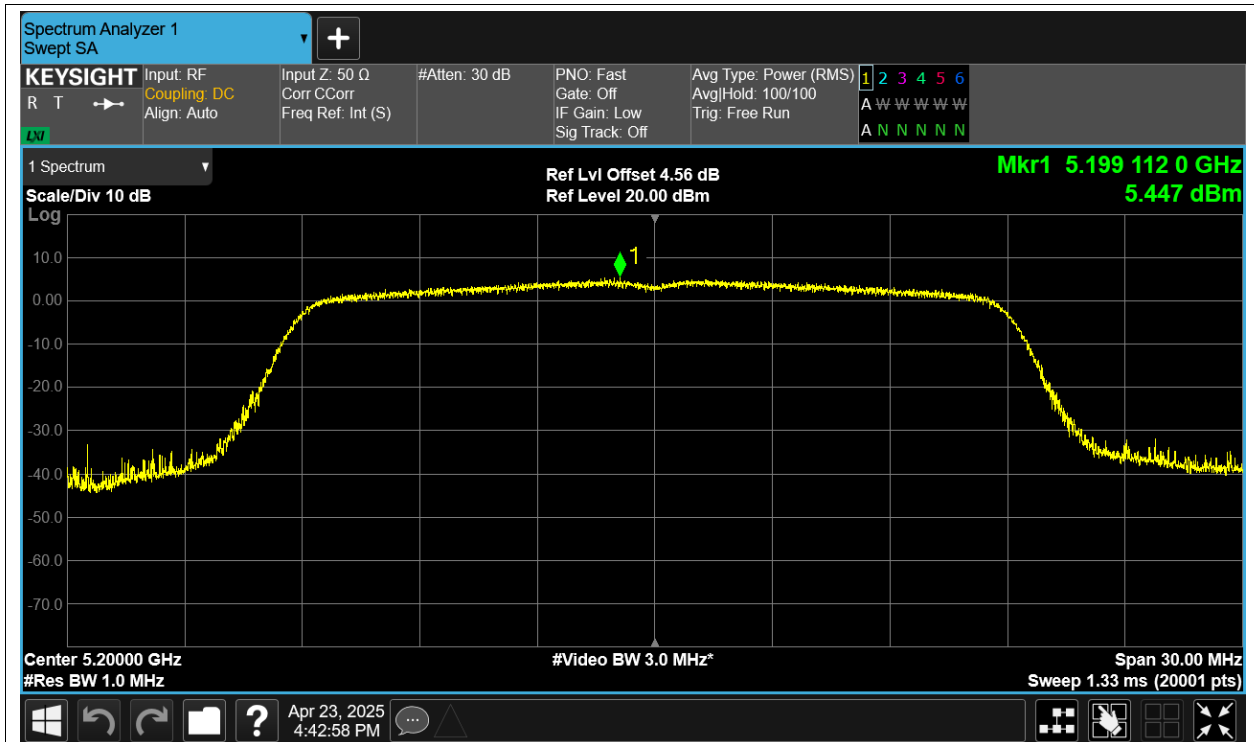
PSD NVNT a 5240MHz Ant14



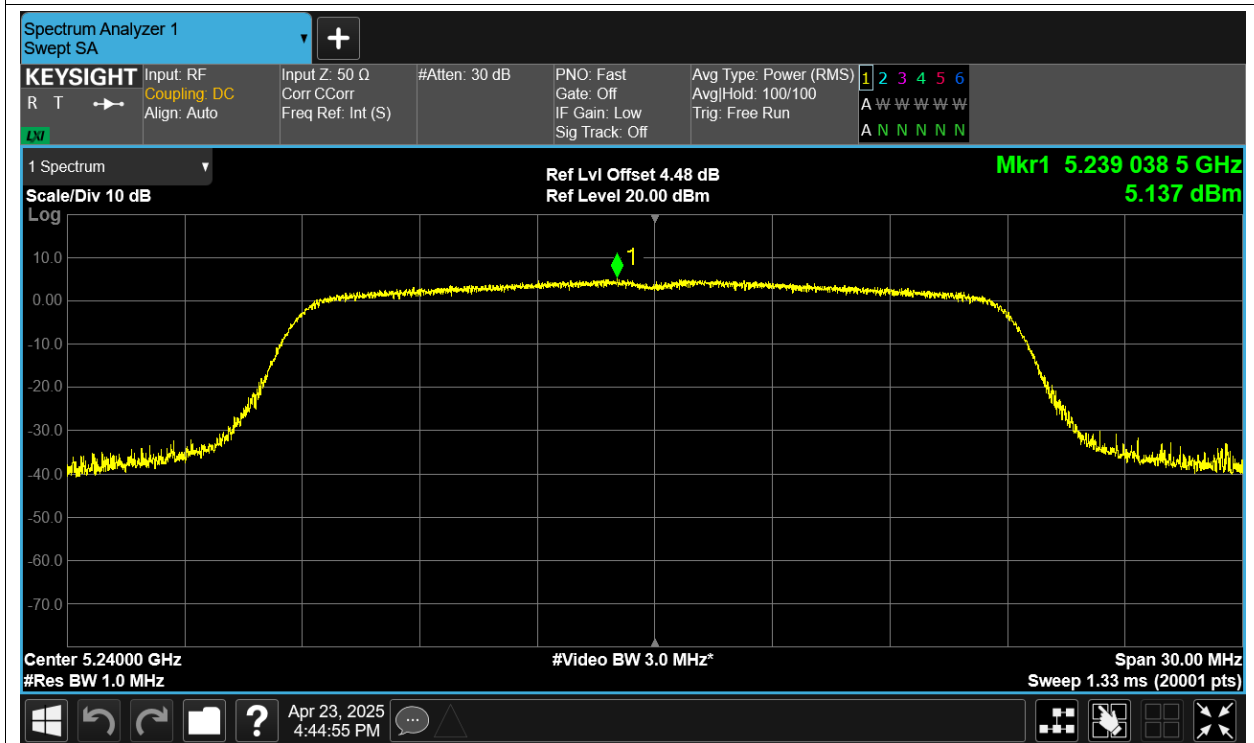
PSD NVNT ac20 5180MHz Ant14



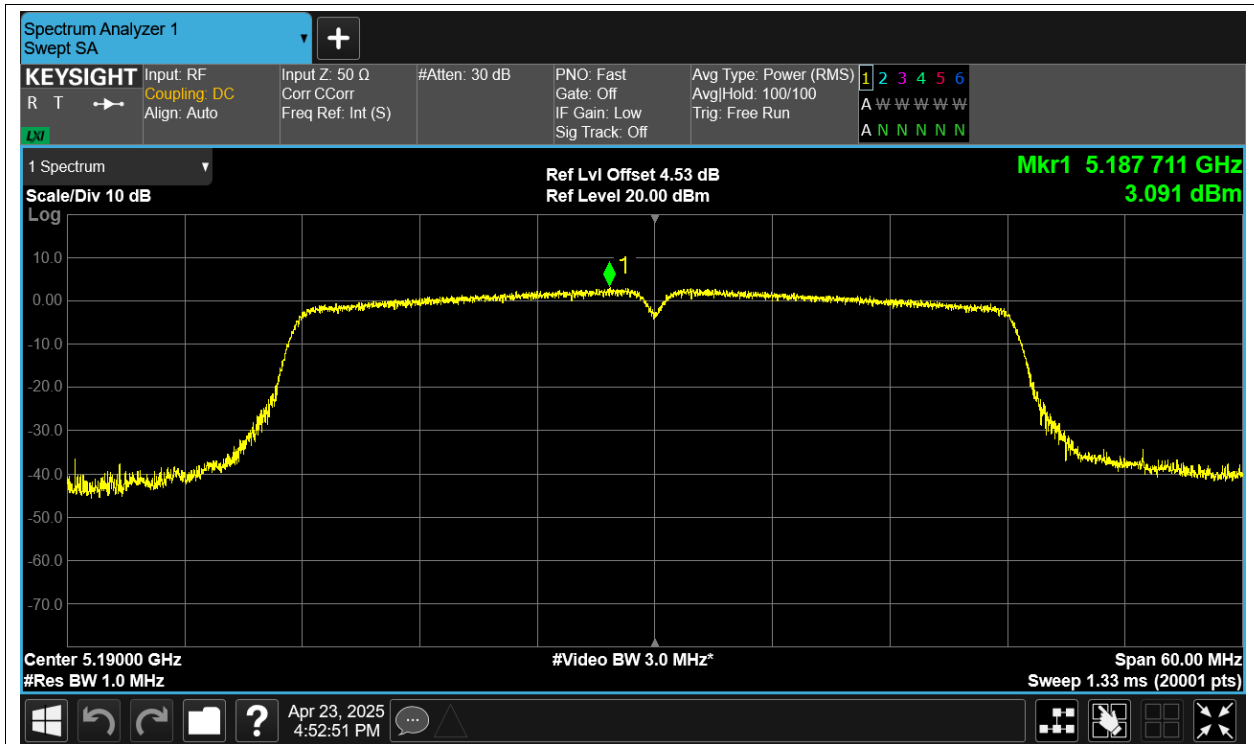
PSD NVNT ac20 5200MHz Ant14



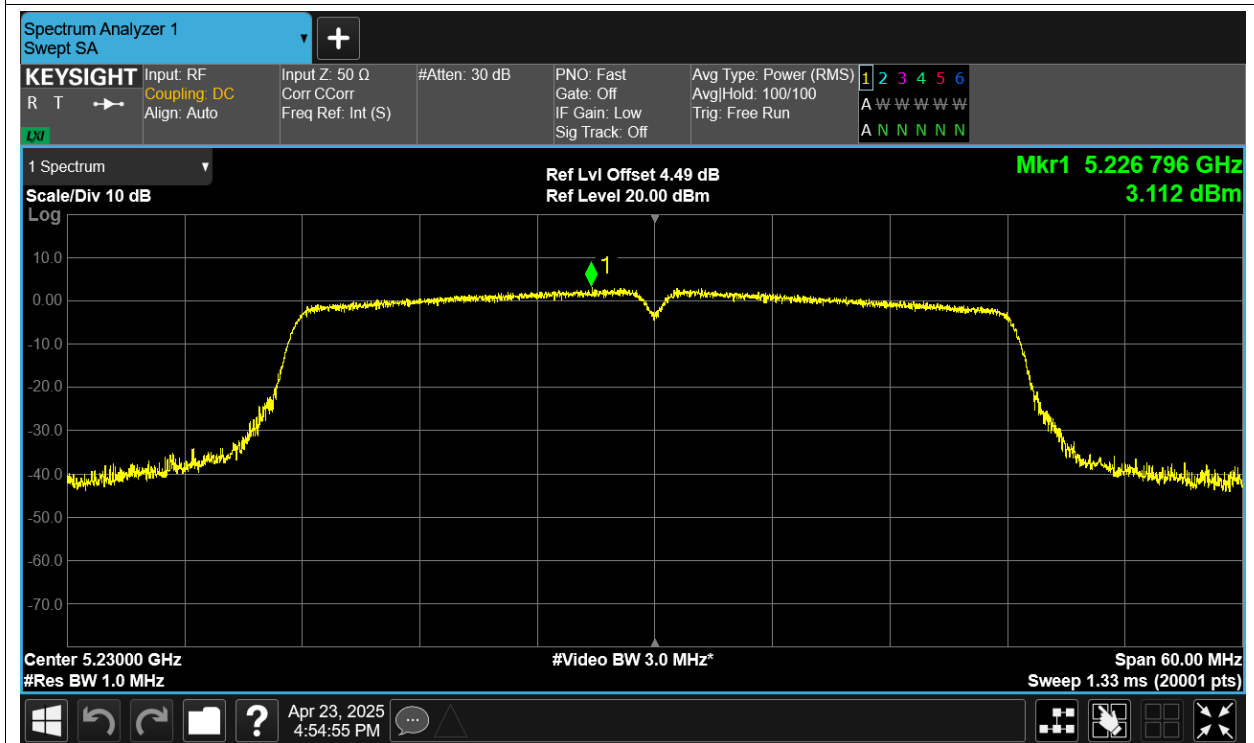
PSD NVNT ac20 5240MHz Ant14



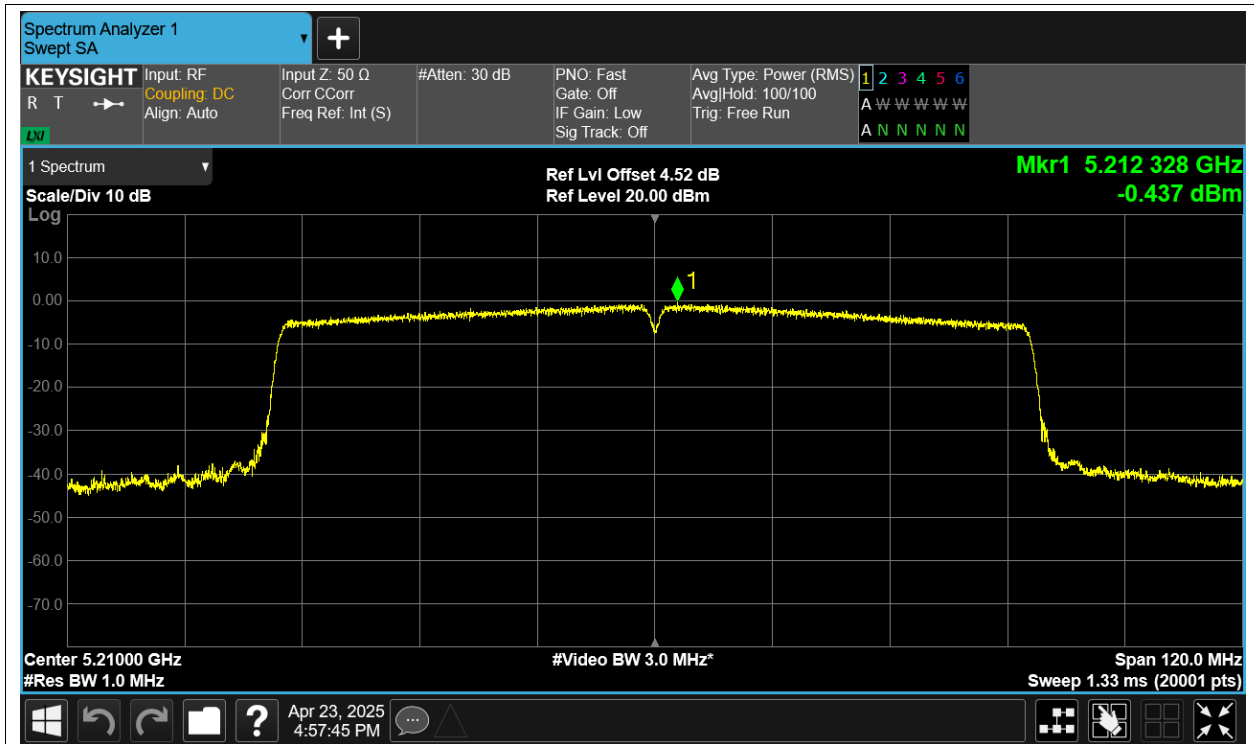
PSD NVNT ac40 5190MHz Ant14



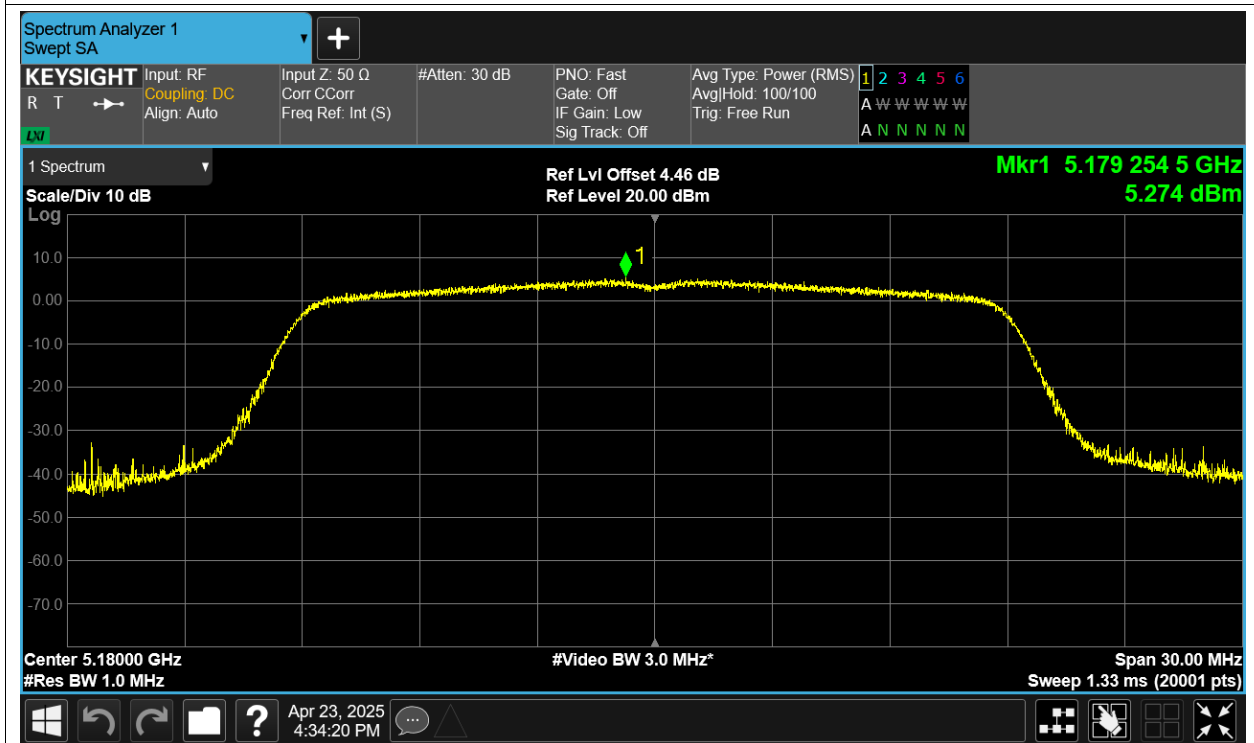
PSD NVNT ac40 5230MHz Ant14



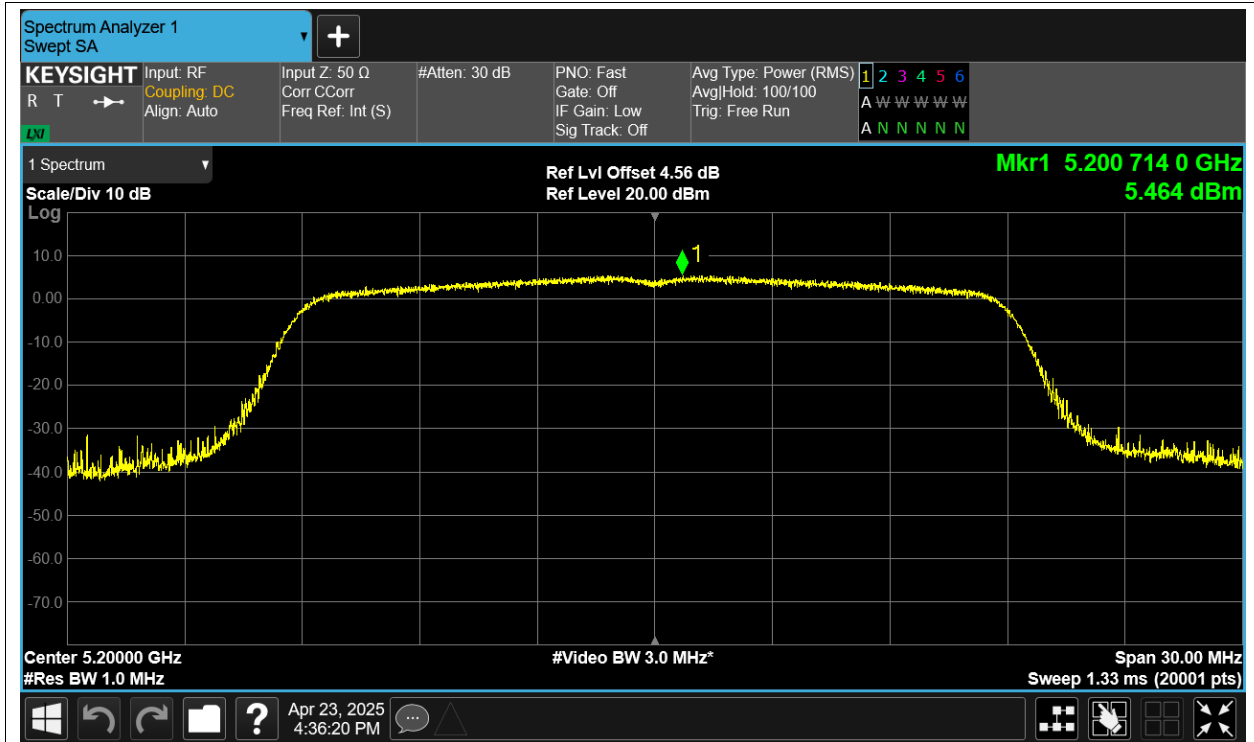
PSD NVNT ac80 5210MHz Ant14



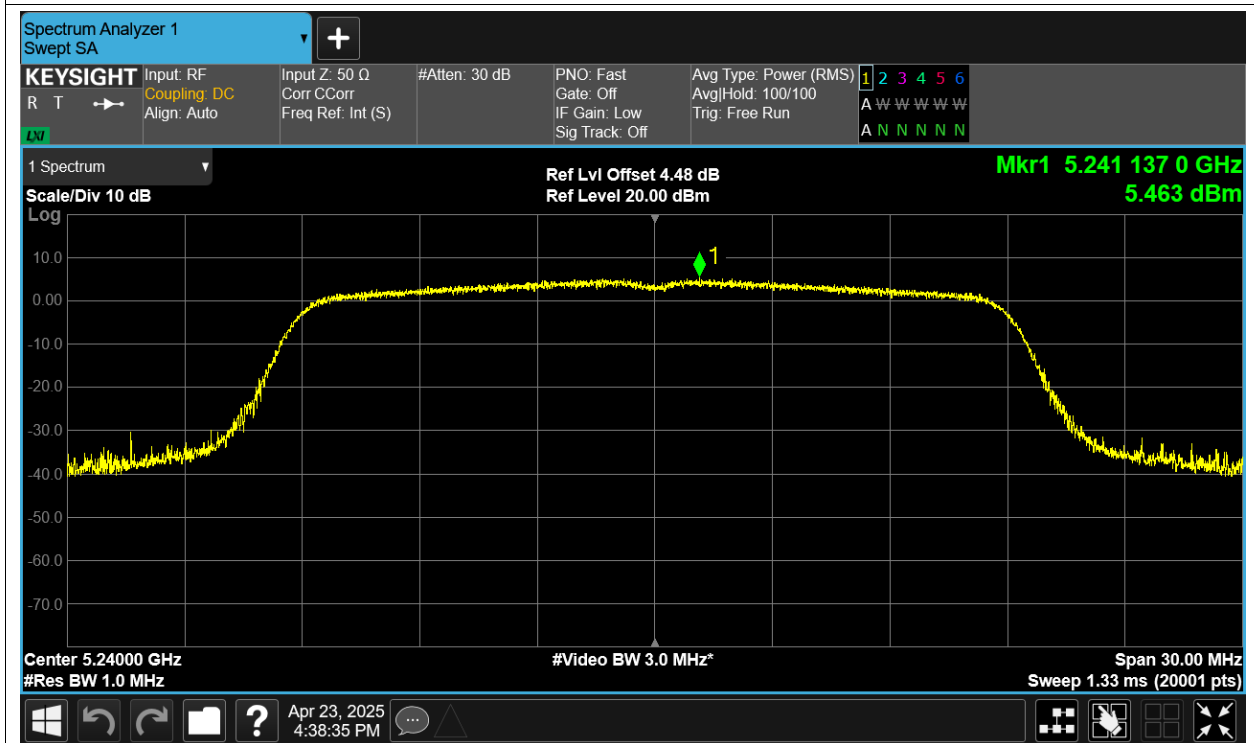
PSD NVNT n20 5180MHz Ant14



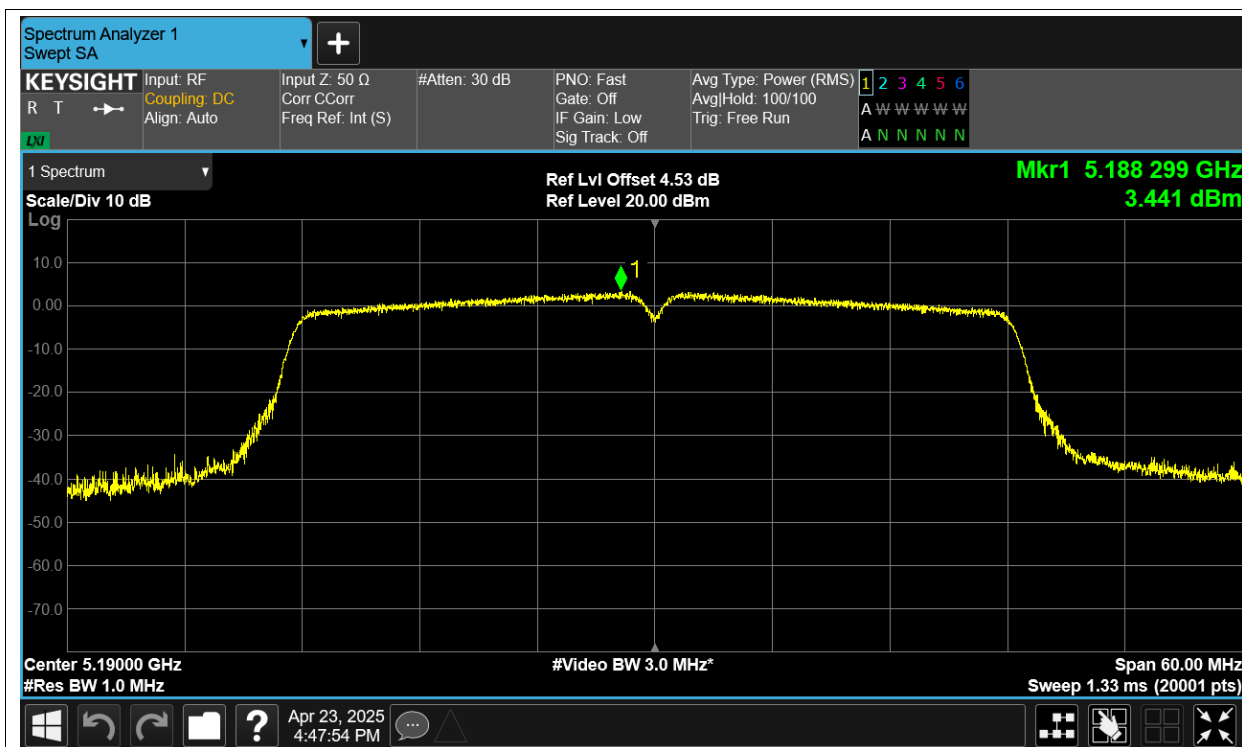
PSD NVNT n20 5200MHz Ant14



PSD NVNT n20 5240MHz Ant14



PSD NVNT n40 5190MHz Ant14



PSD NVNT n40 5230MHz Ant14

