

Test Data

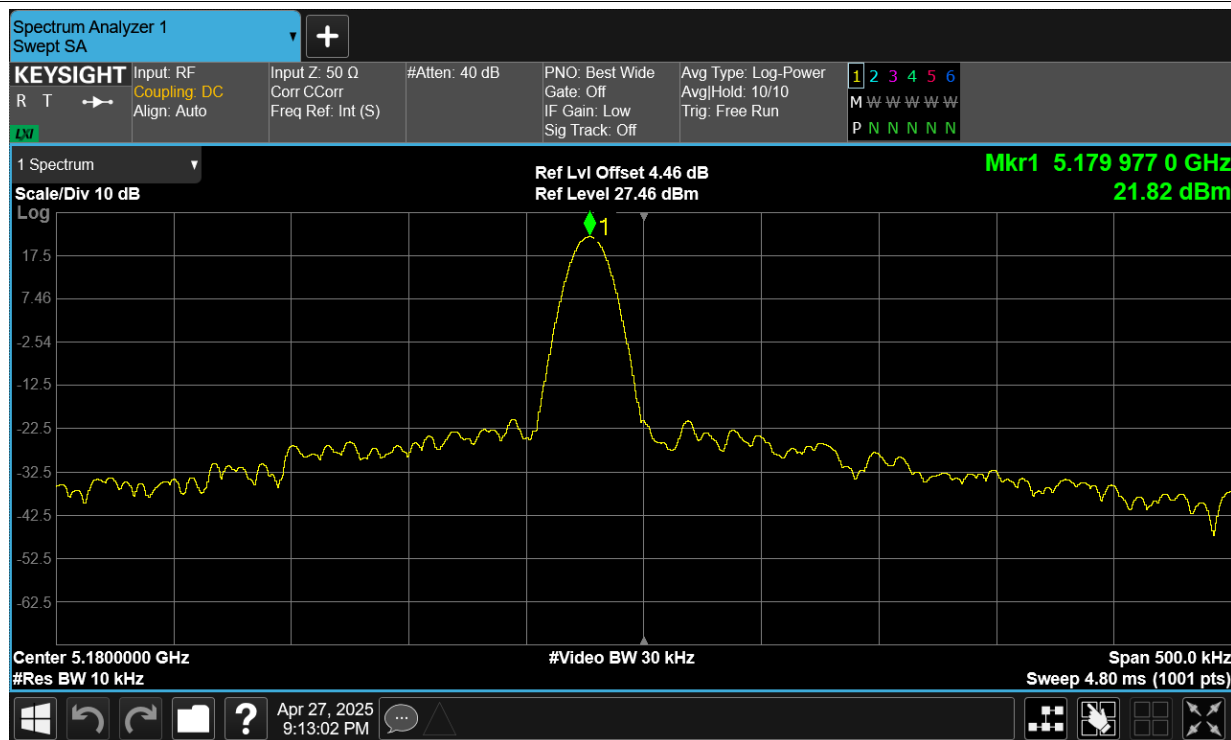
Frequency Stability

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	5179.977	-4.44		Pass
NVLT	a	5180	Ant14	5179.9775	-4.34		Pass
NVNT	a	5180	Ant14	5179.978	-4.25		Pass
HVNT	ac80	5210	Ant14	5209.9765	-4.51		Pass
LVNT	ac80	5210	Ant14	5209.9765	-4.51		Pass
NVHT	ac80	5210	Ant14	5209.9765	-4.51		Pass
NVLT	ac80	5210	Ant14	5209.9765	-4.51		Pass
NVNT	ac80	5210	Ant14	5209.976819541	-4.45		Pass
HVNT	n40	5190	Ant14	5189.9765	-4.53		Pass
LVNT	n40	5190	Ant14	5189.9765	-4.53		Pass
NVHT	n40	5190	Ant14	5189.9765	-4.53		Pass
NVLT	n40	5190	Ant14	5189.9765	-4.53		Pass
NVNT	n40	5190	Ant14	5189.9765	-4.53		Pass

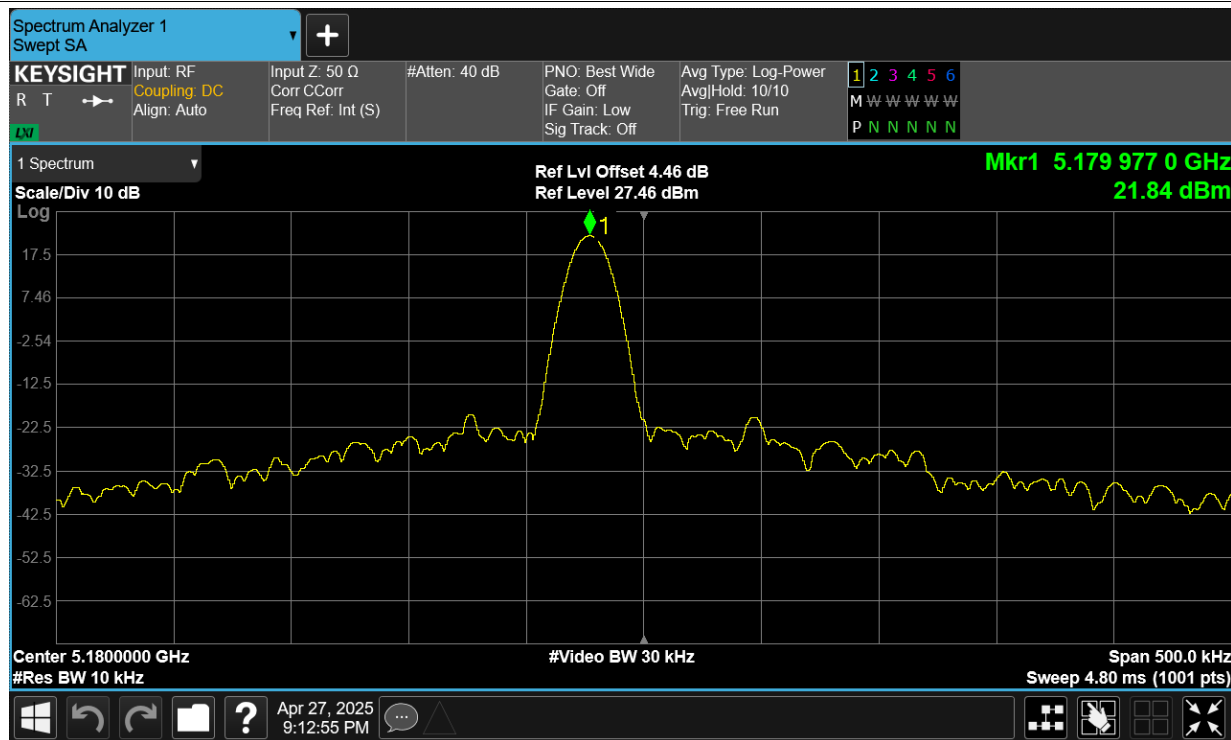
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low. Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

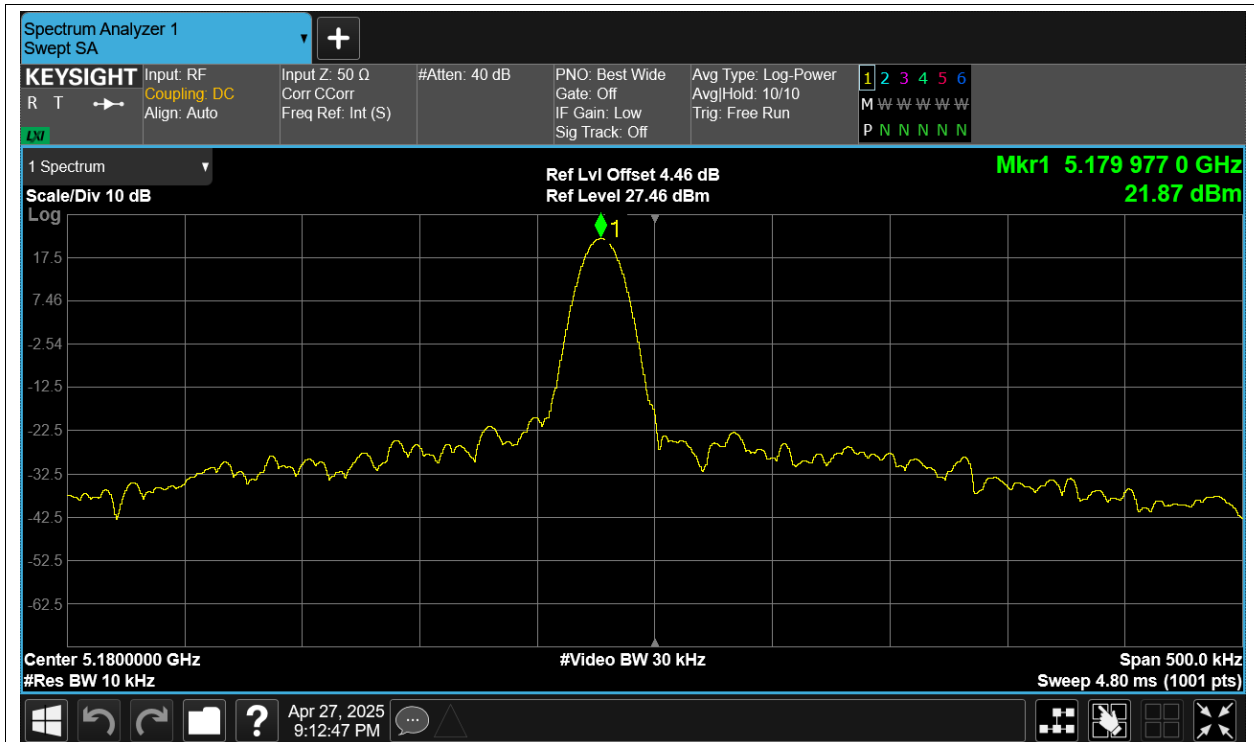
Freq. Stability HVNT a 5180MHz Ant14



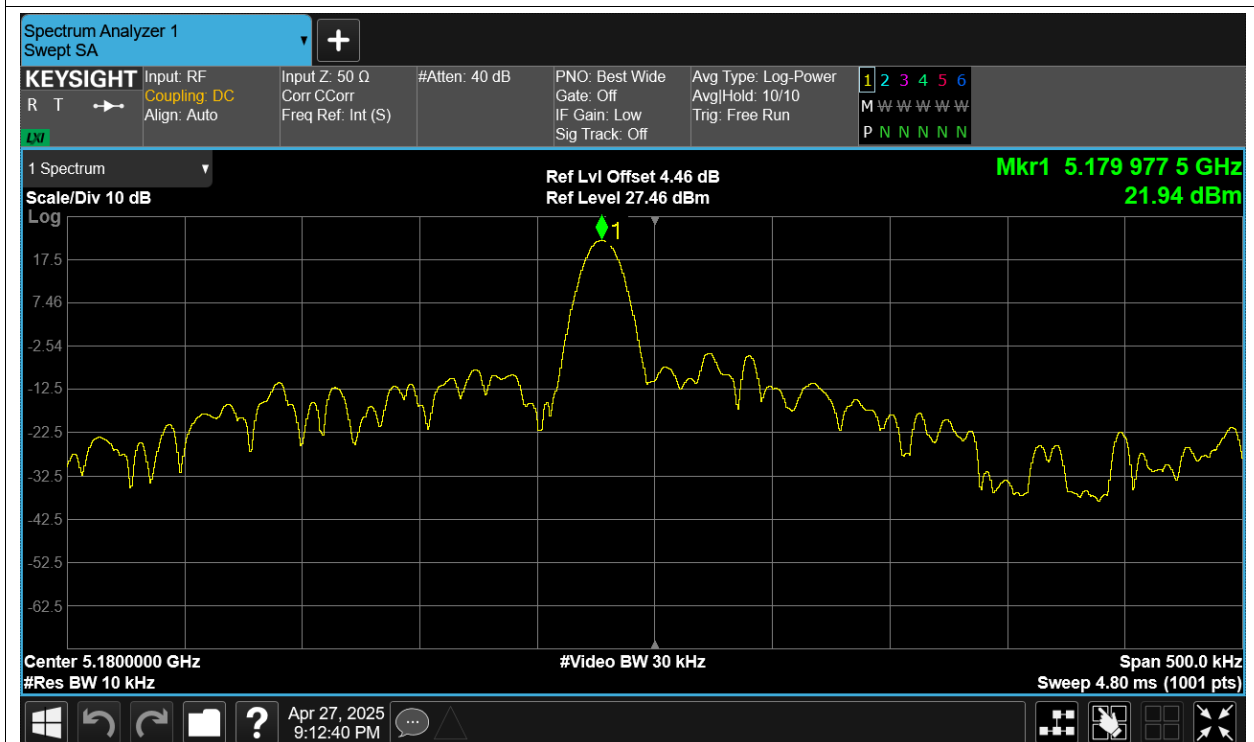
Freq. Stability LVNT a 5180MHz Ant14



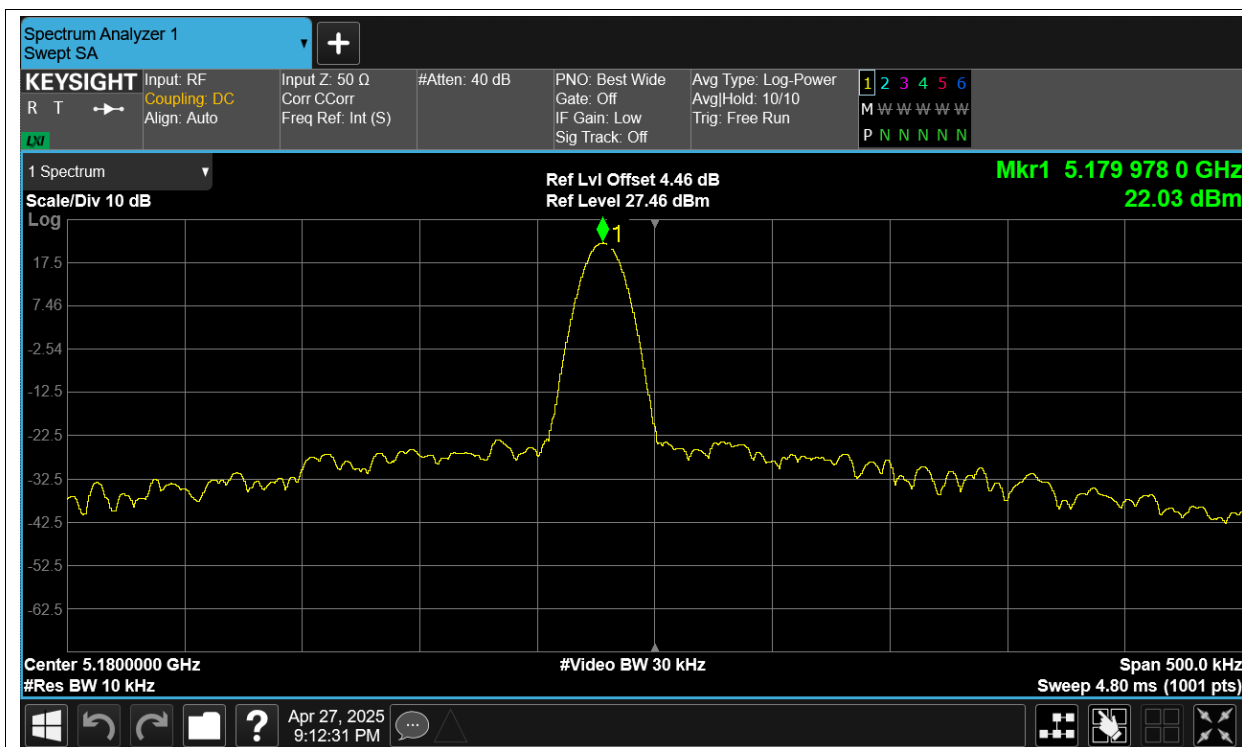
Freq. Stability NVHT a 5180MHz Ant14



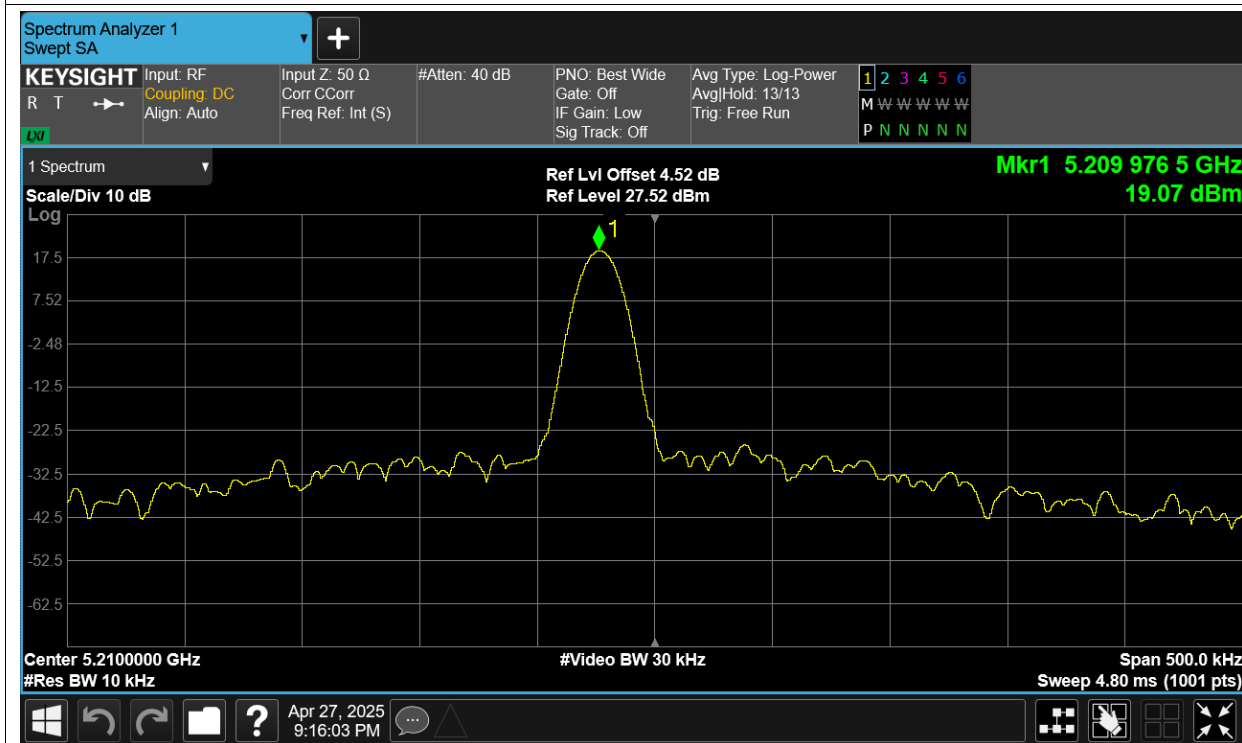
Freq. Stability NVLT a 5180MHz Ant14



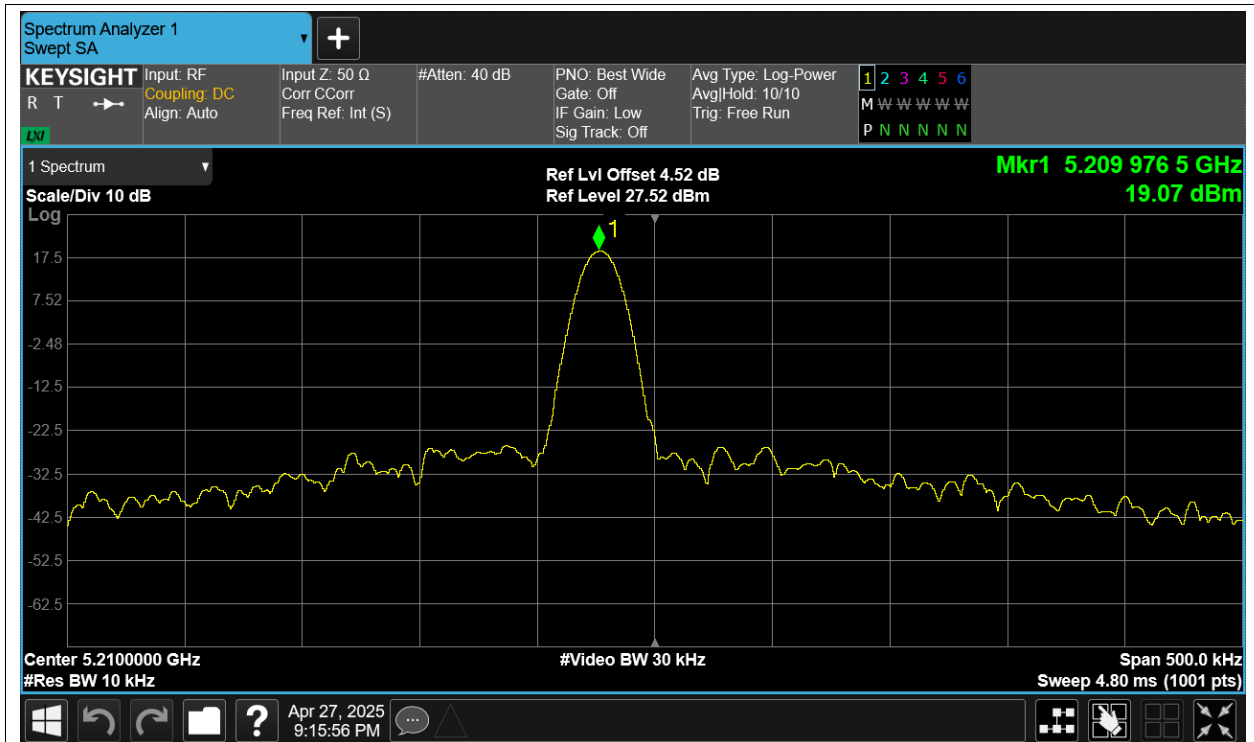
Freq. Stability NVNT a 5180MHz Ant14



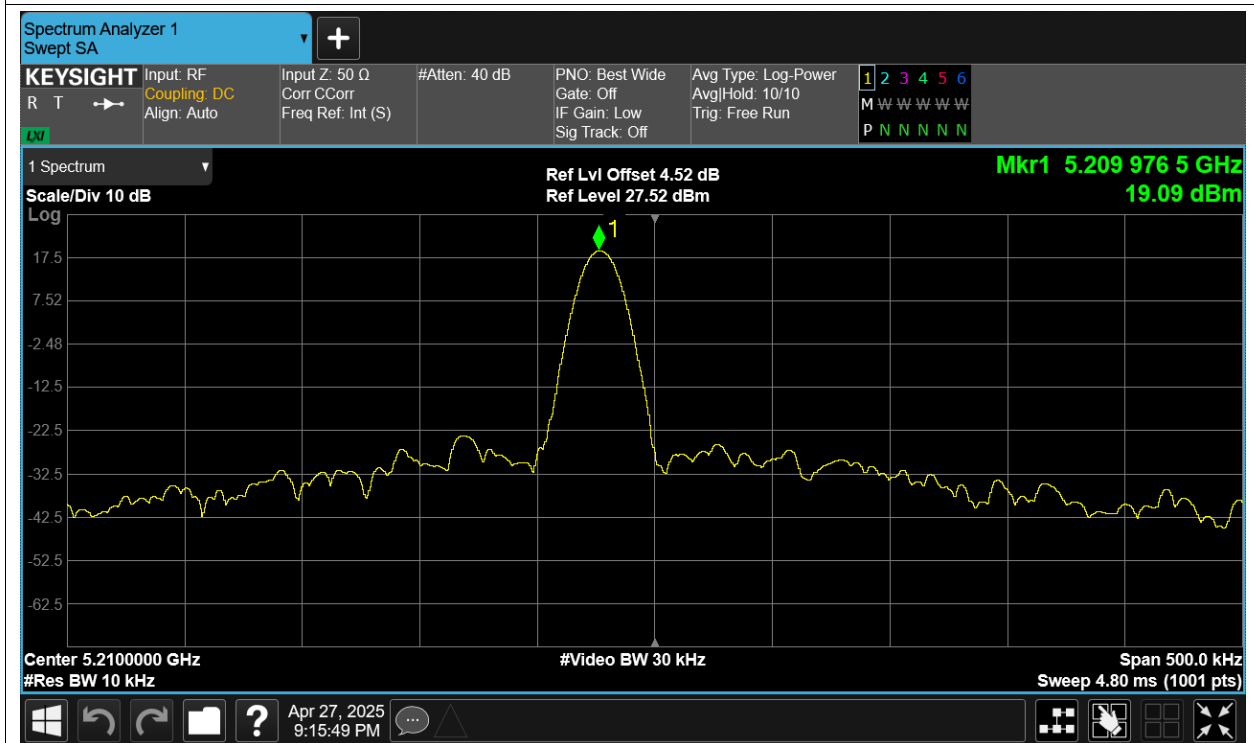
Freq. Stability HVNT ac80 5210MHz Ant14



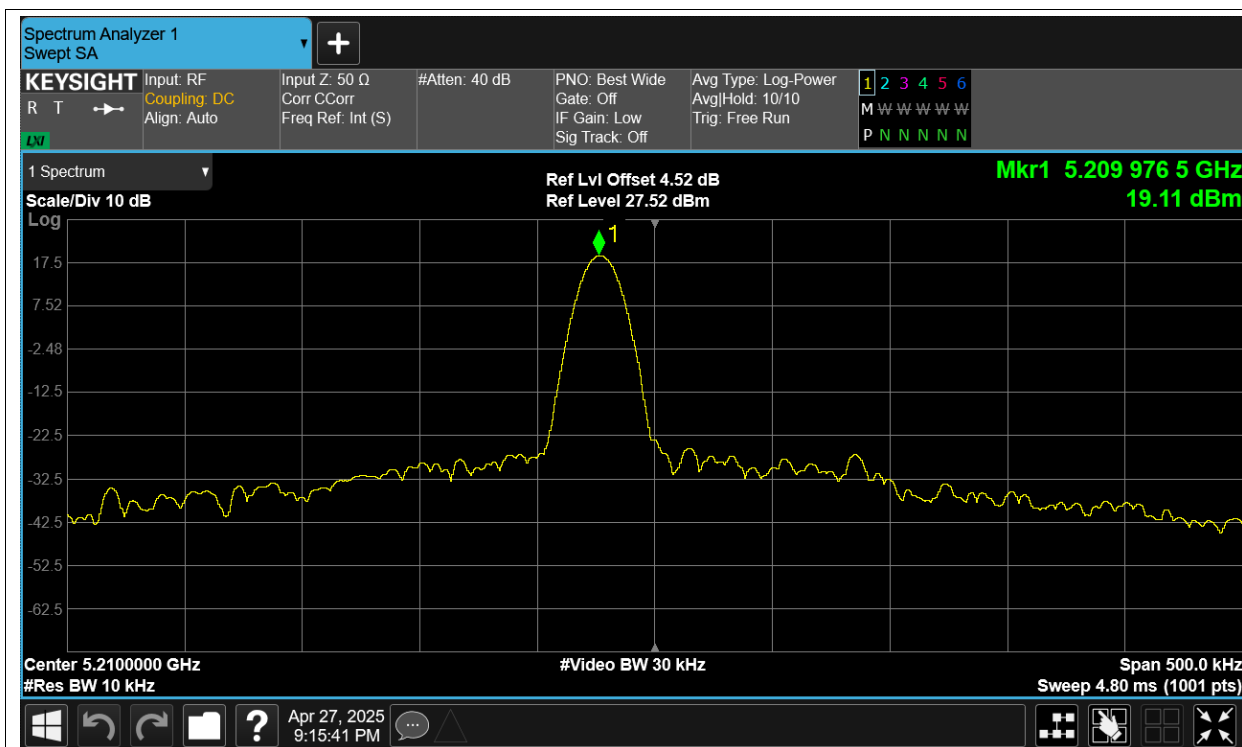
Freq. Stability LVNT ac80 5210MHz Ant14



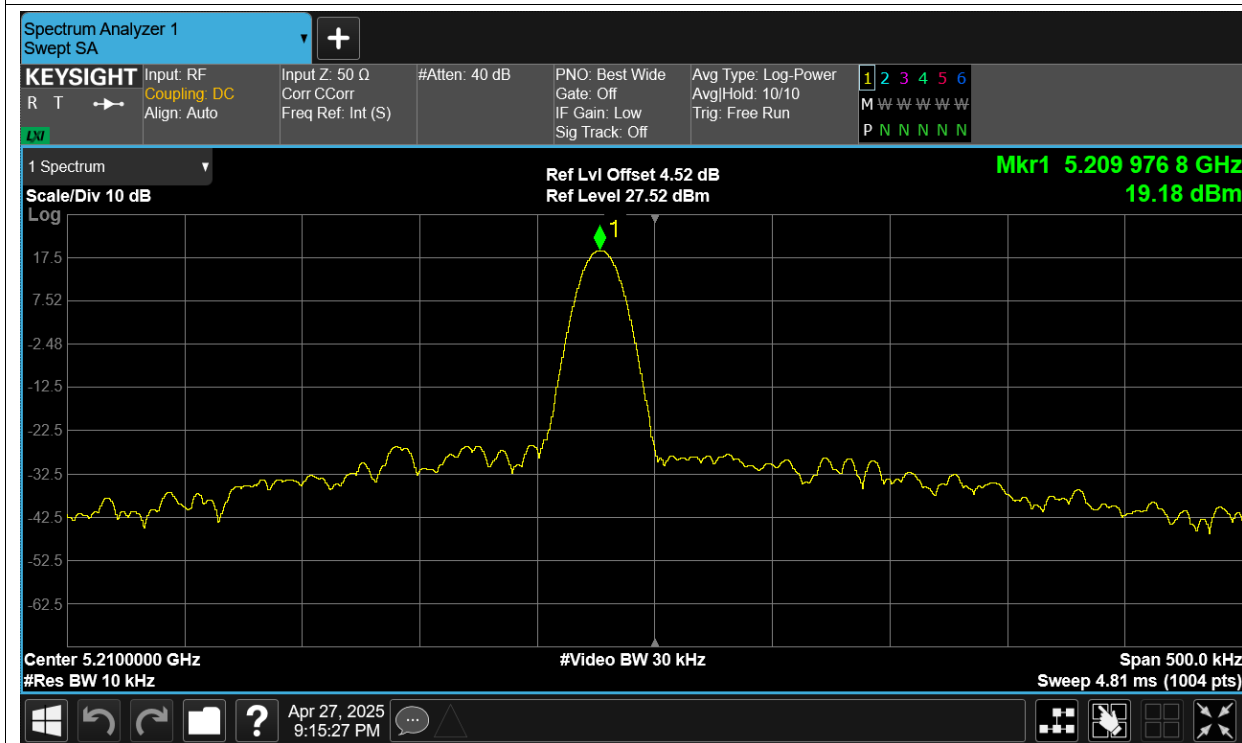
Freq. Stability NVHT ac80 5210MHz Ant14



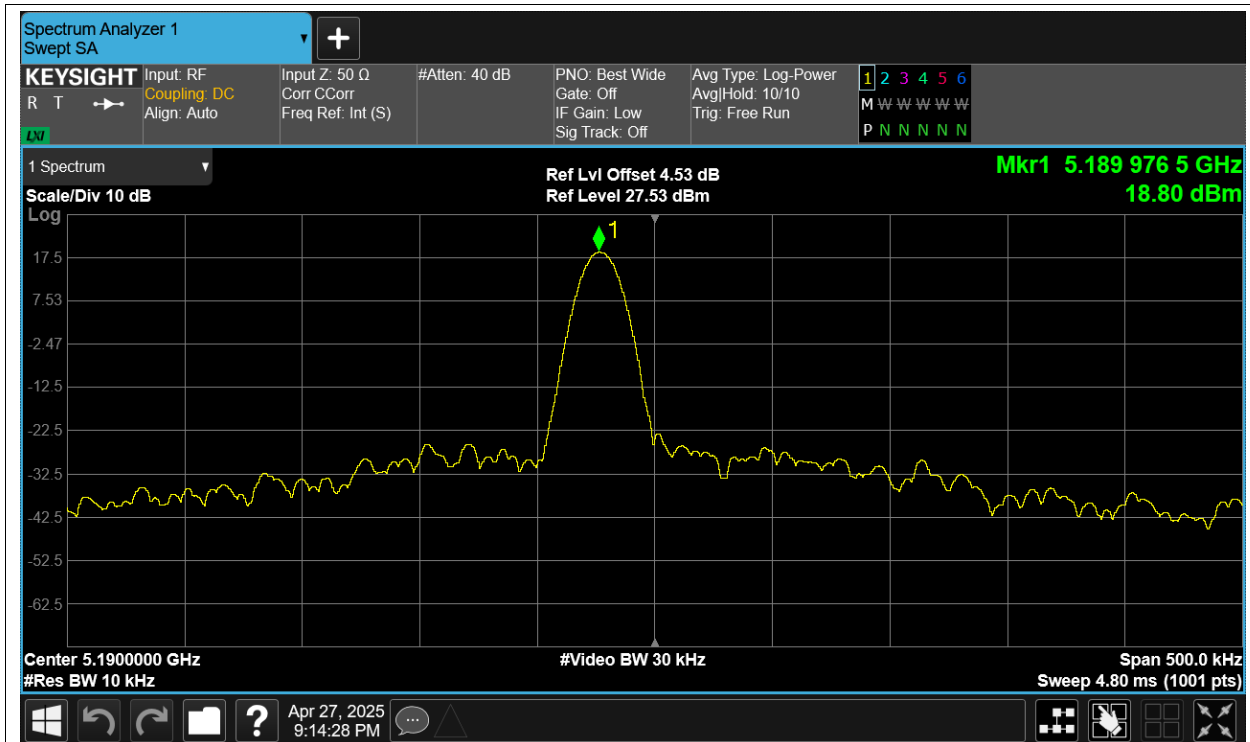
Freq. Stability NVLT ac80 5210MHz Ant14



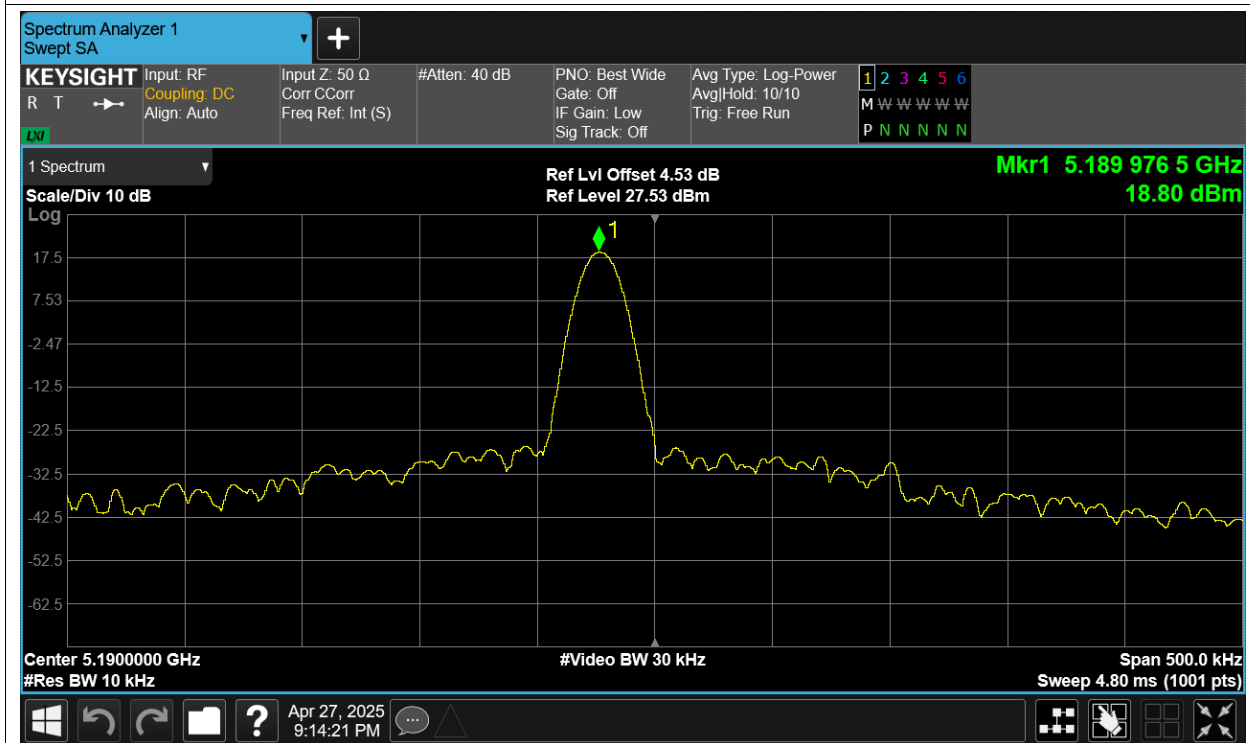
Freq. Stability NVNT ac80 5210MHz Ant14



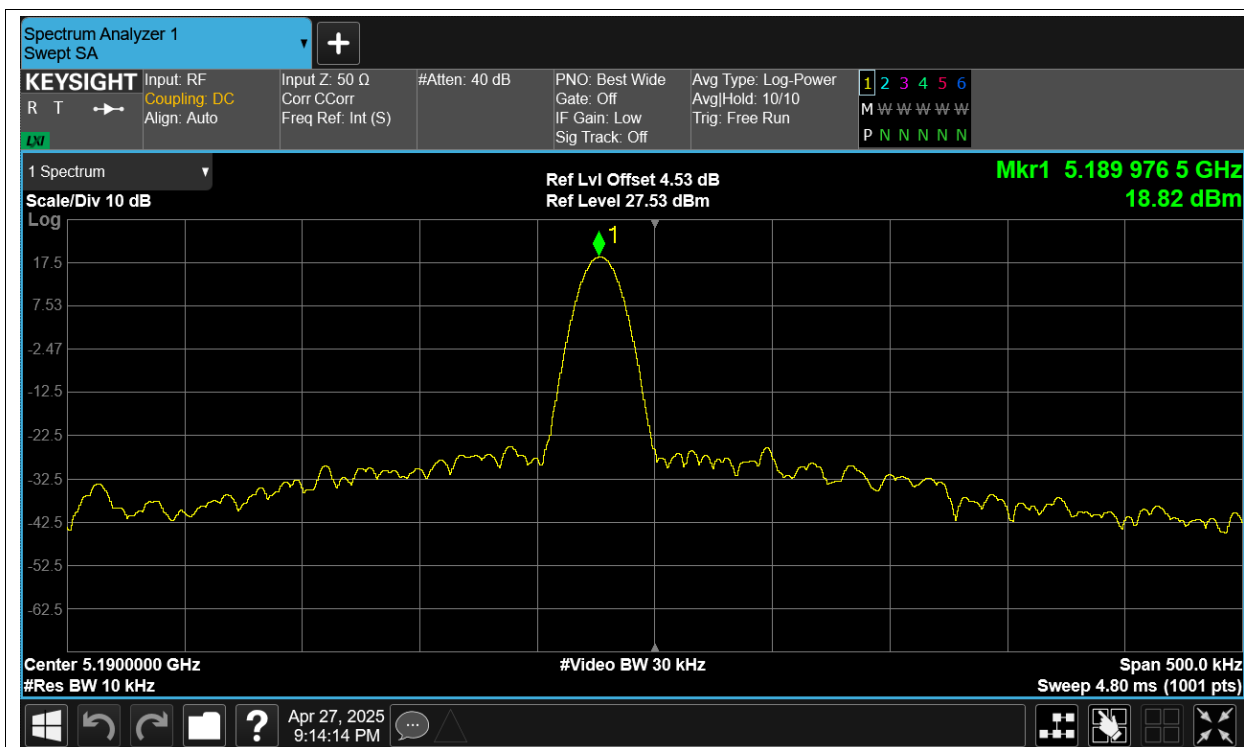
Freq. Stability HVNT n40 5190MHz Ant14



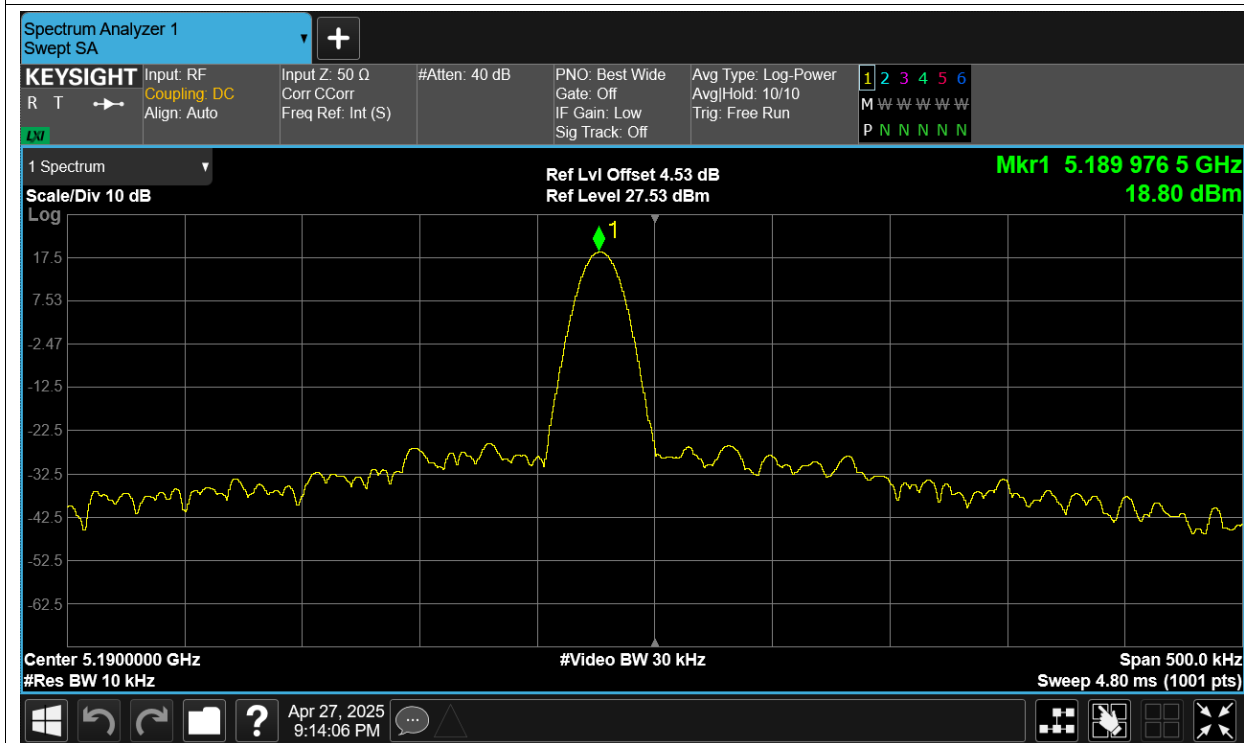
Freq. Stability LVNT n40 5190MHz Ant14



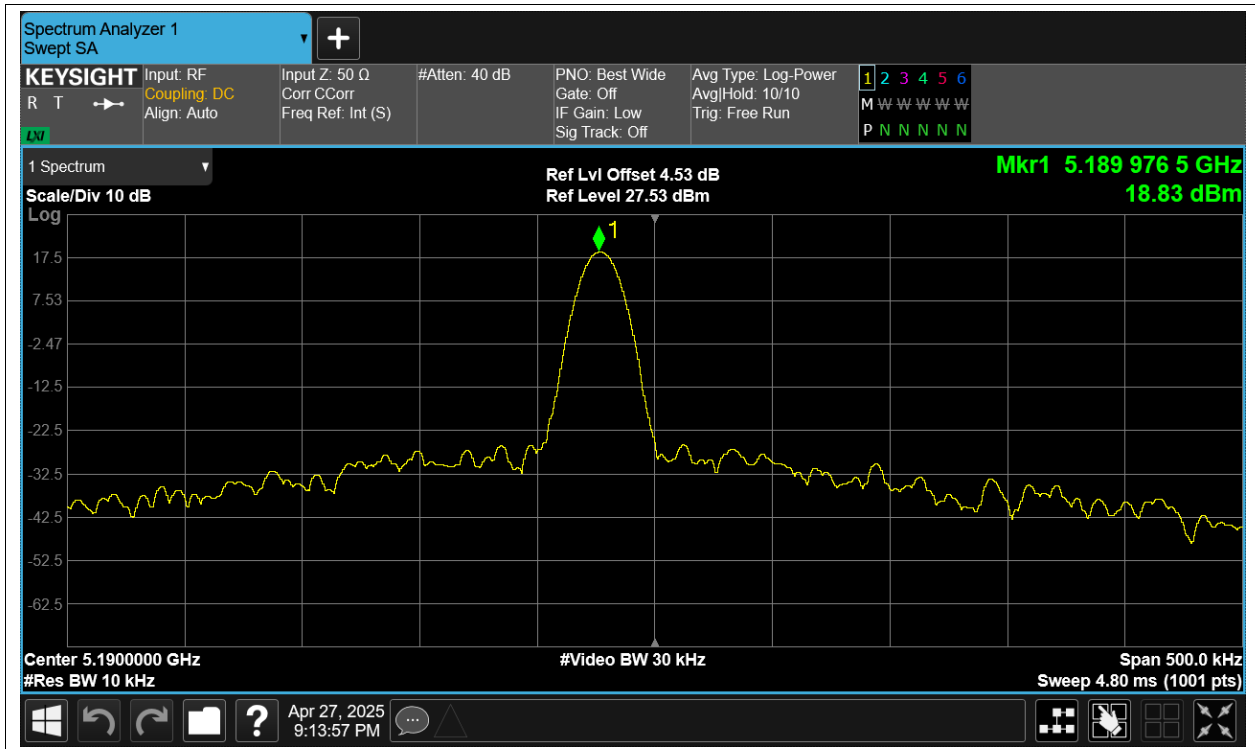
Freq. Stability NVHT n40 5190MHz Ant14



Freq. Stability NVLT n40 5190MHz Ant14



Freq. Stability NVNT n40 5190MHz Ant14

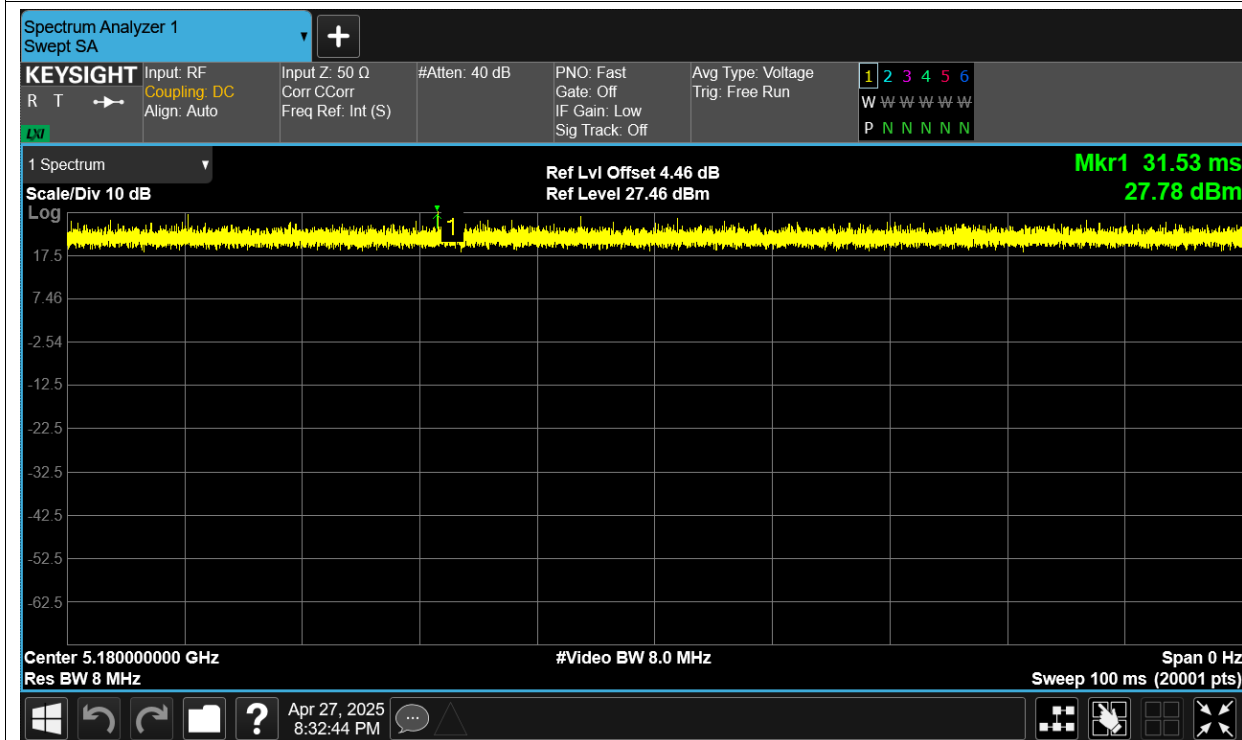


Duty Cycle

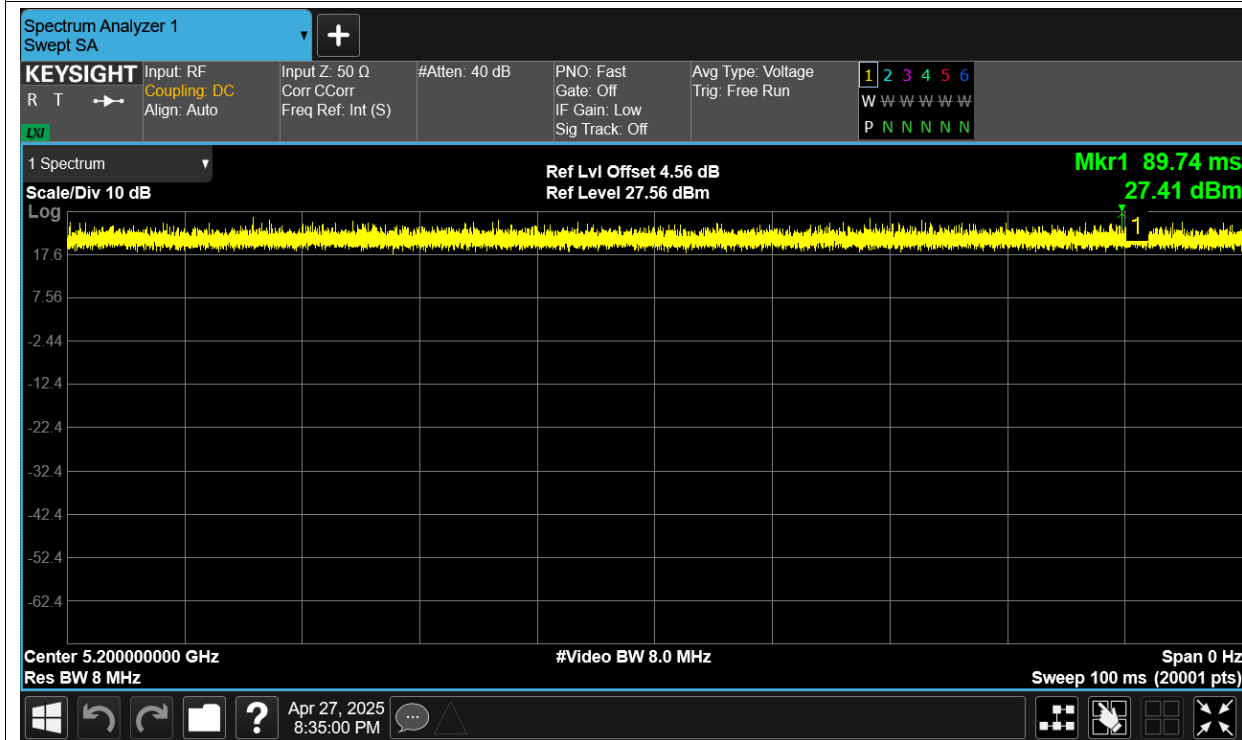
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant14	100	0
NVNT	a	5200	Ant14	100	0
NVNT	a	5240	Ant14	100	0
NVNT	ac20	5180	Ant14	100	0
NVNT	ac20	5200	Ant14	100	0
NVNT	ac20	5240	Ant14	100	0
NVNT	ac40	5190	Ant14	100	0
NVNT	ac40	5230	Ant14	100	0
NVNT	ac80	5210	Ant14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

Test Graphs

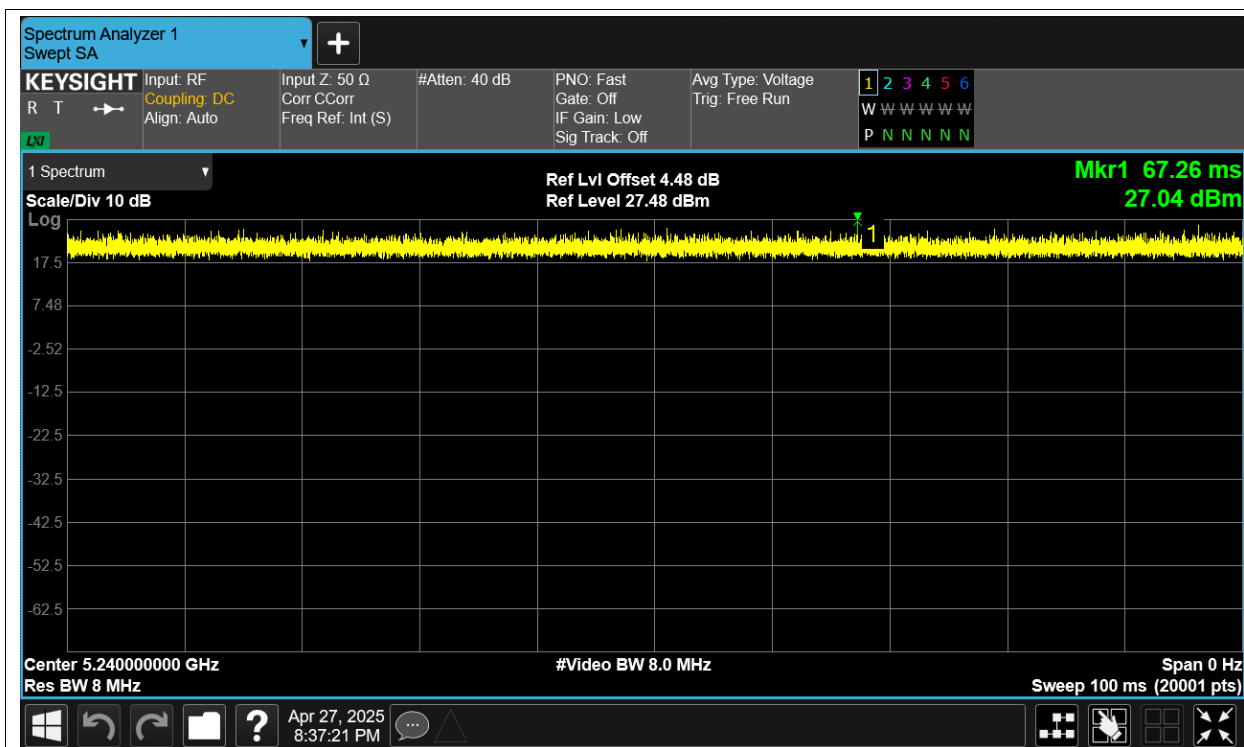
Duty Cycle NVNT a 5180MHz Ant14



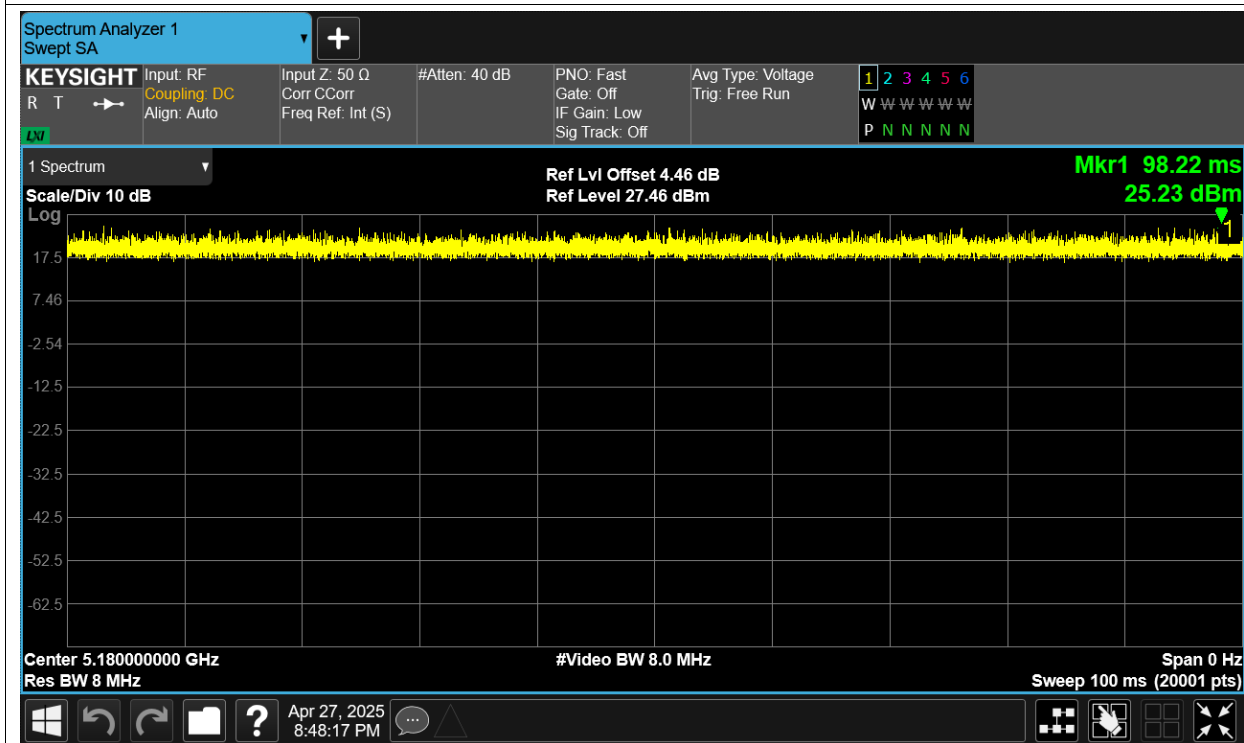
Duty Cycle NVNT a 5200MHz Ant14



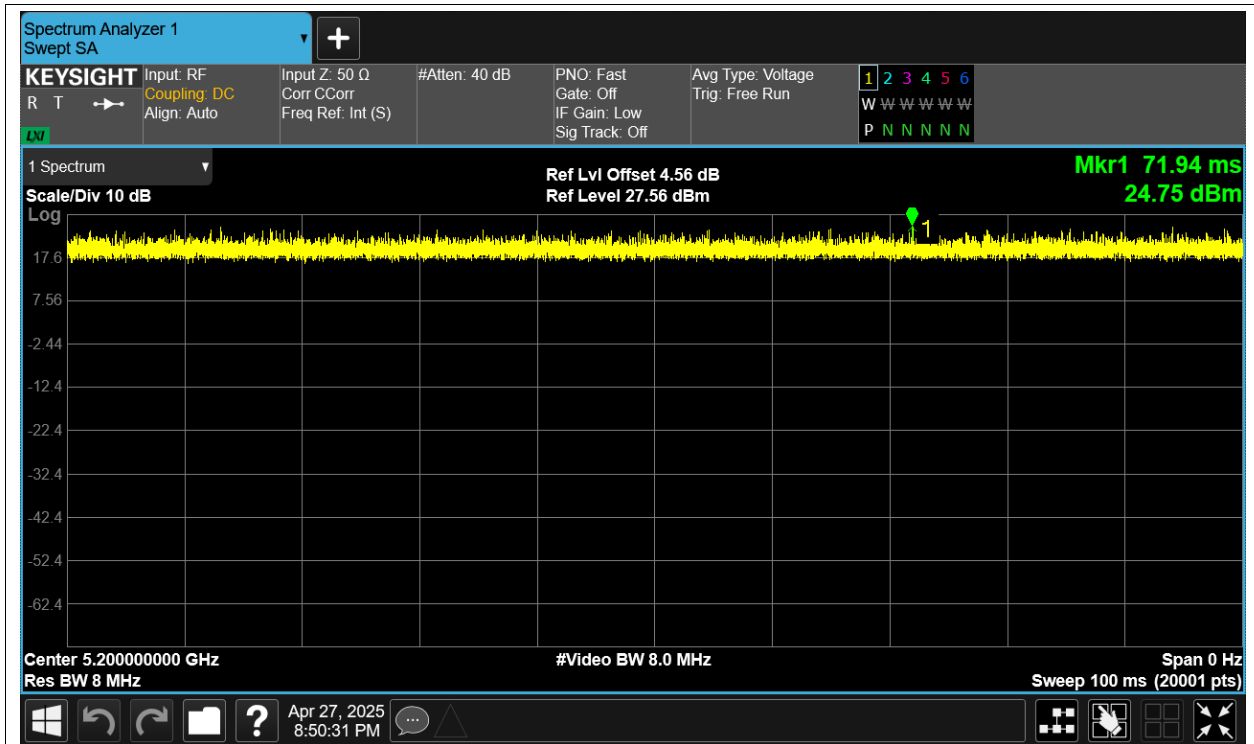
Duty Cycle NVNT a 5240MHz Ant14



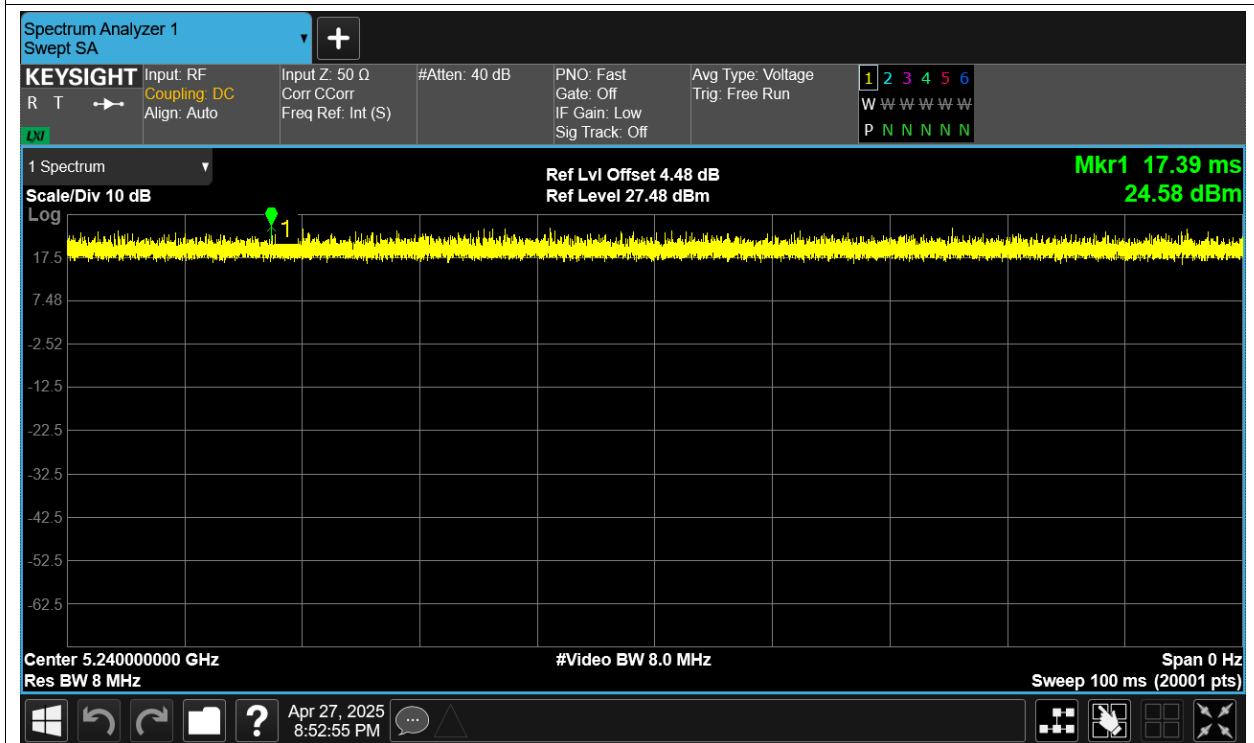
Duty Cycle NVNT ac20 5180MHz Ant14



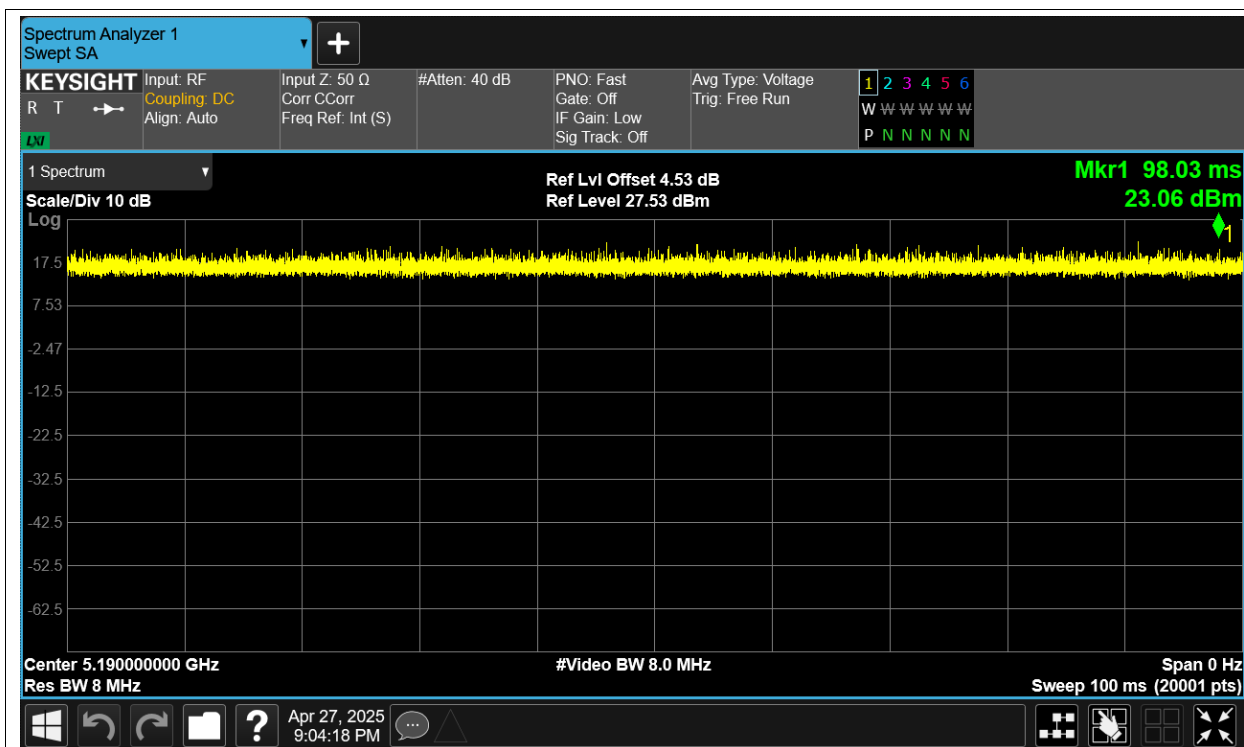
Duty Cycle NVNT ac20 5200MHz Ant14



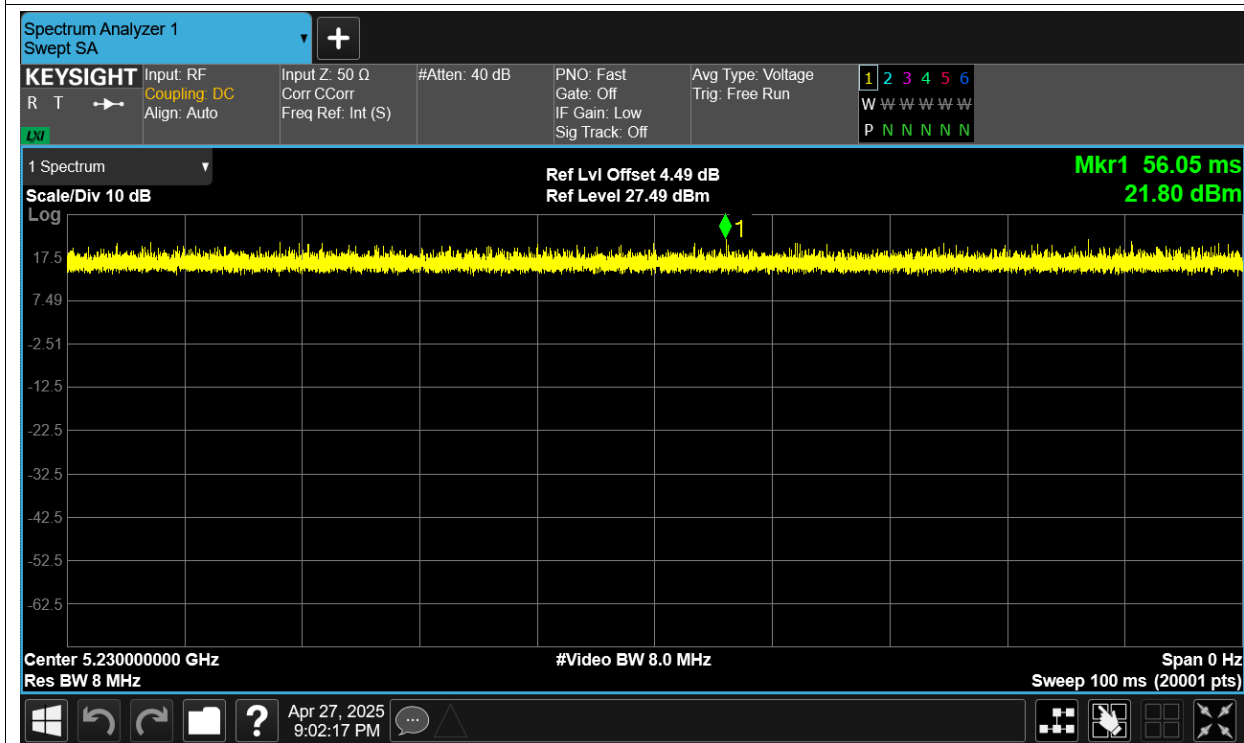
Duty Cycle NVNT ac20 5240MHz Ant14



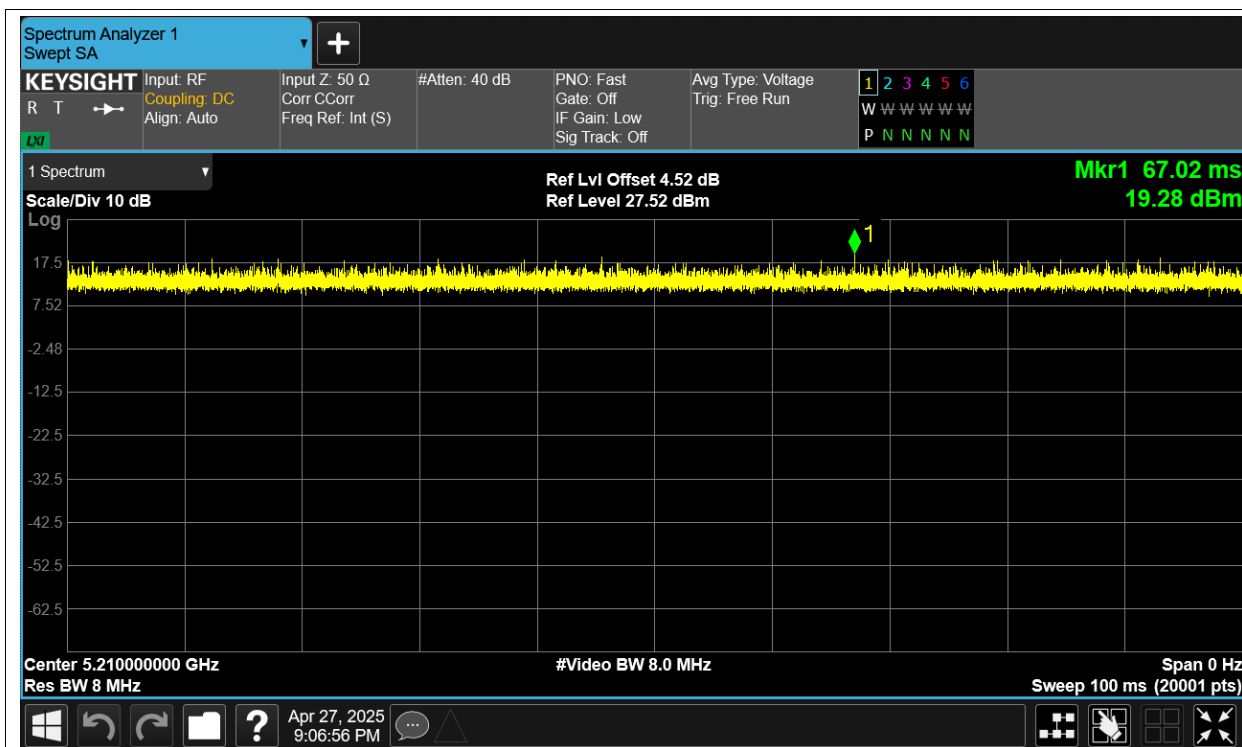
Duty Cycle NVNT ac40 5190MHz Ant14



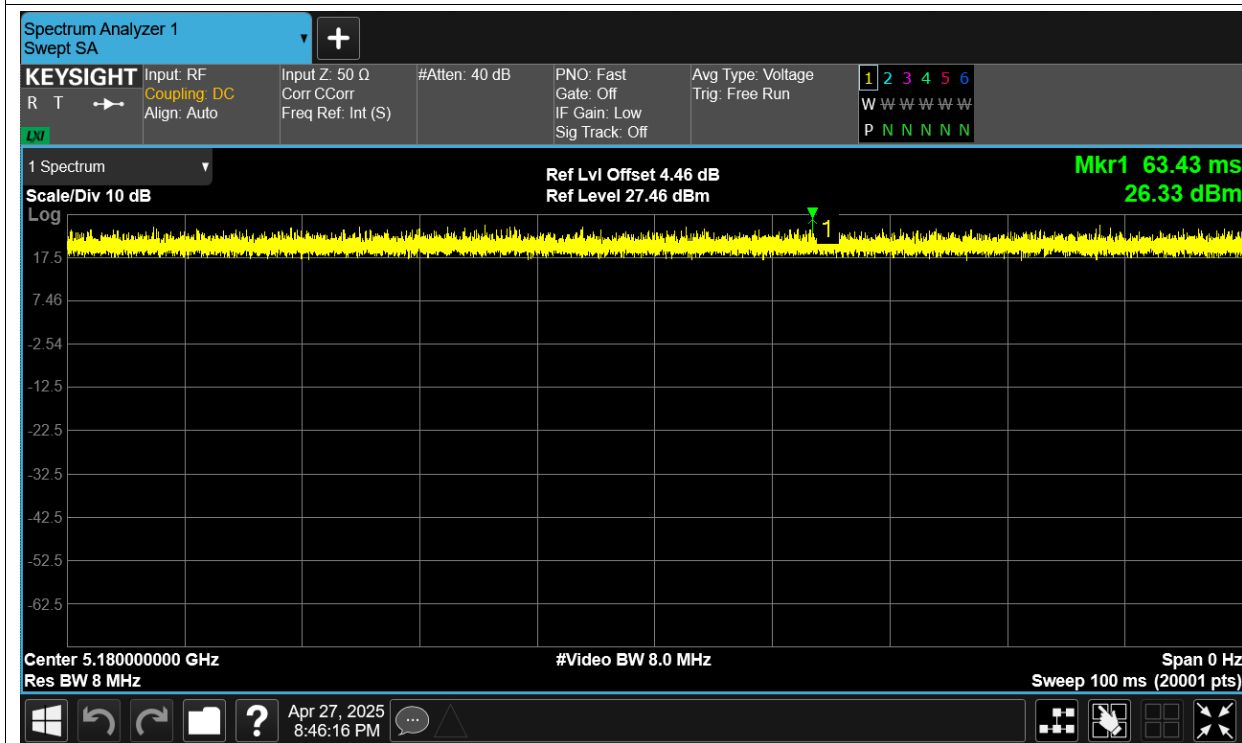
Duty Cycle NVNT ac40 5230MHz Ant14



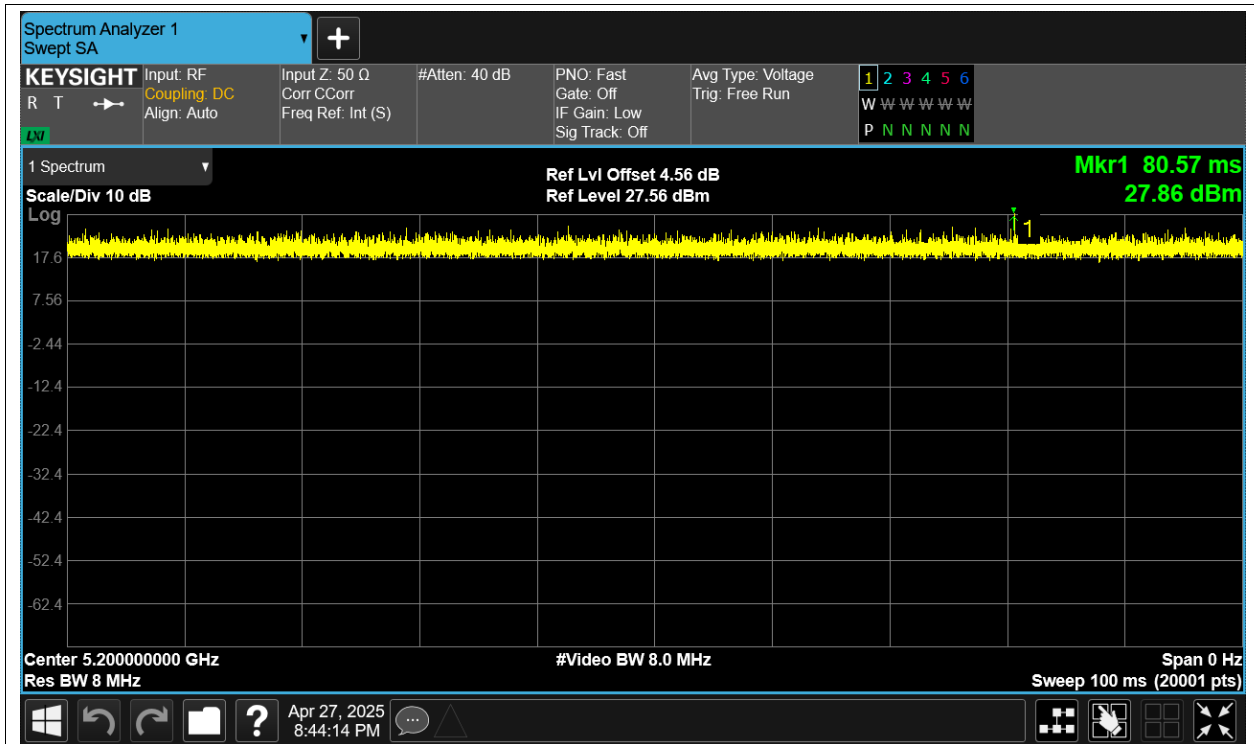
Duty Cycle NVNT ac80 5210MHz Ant14



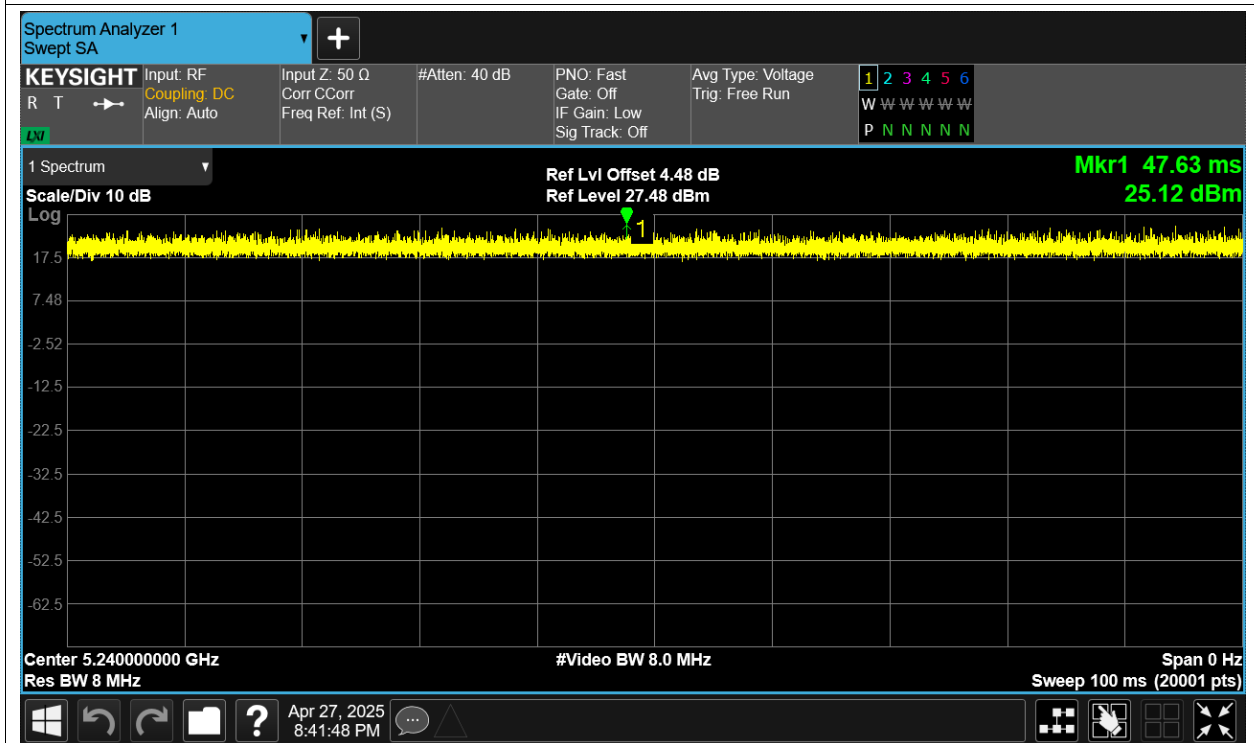
Duty Cycle NVNT n20 5180MHz Ant14



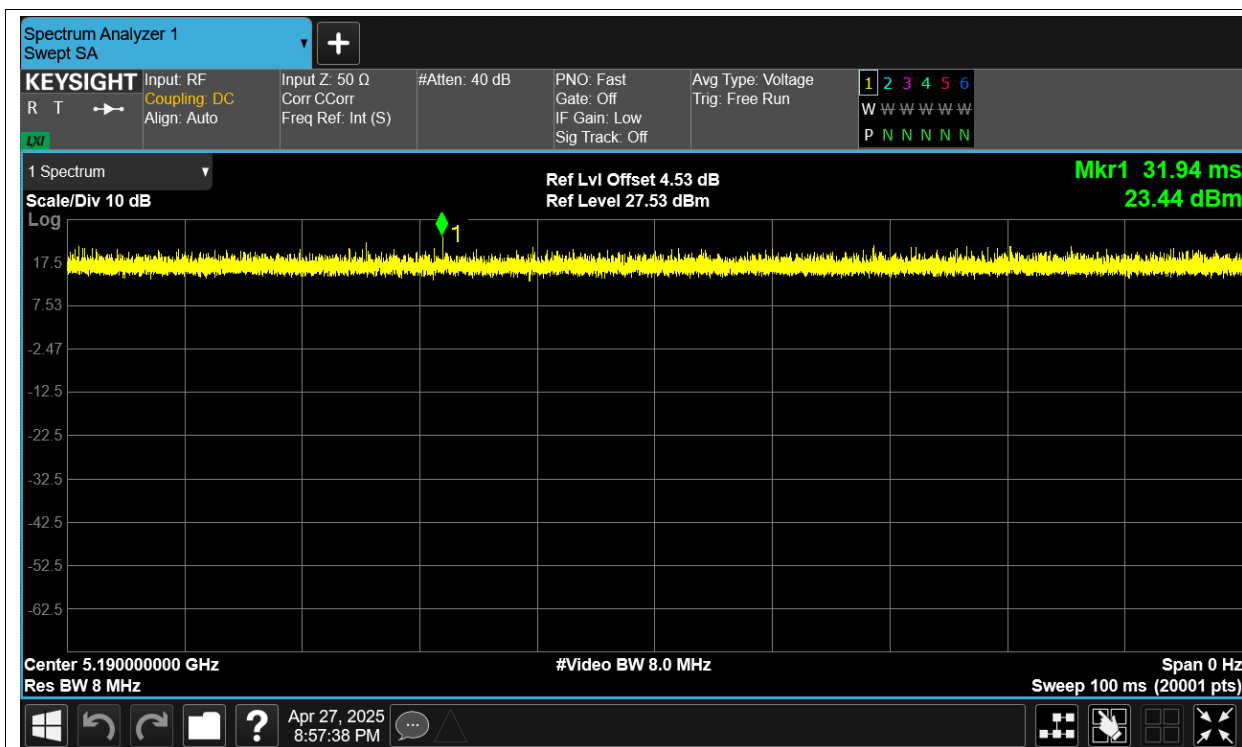
Duty Cycle NVNT n20 5200MHz Ant14



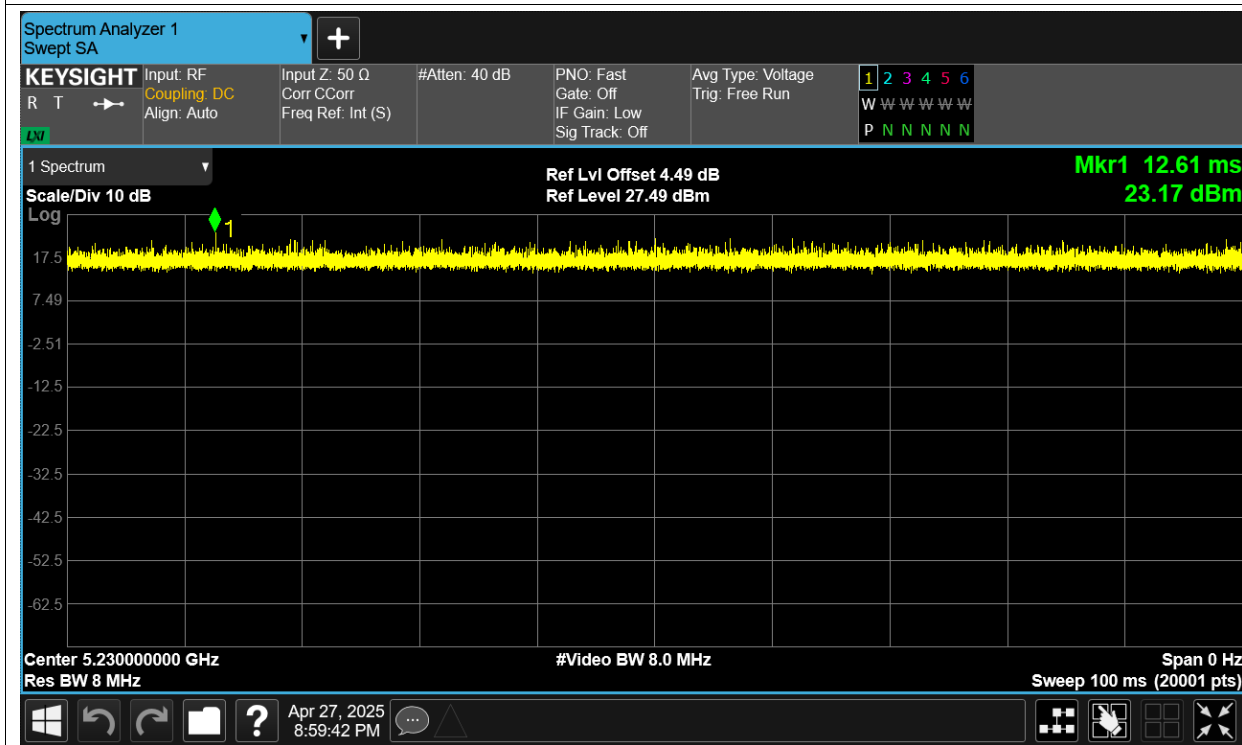
Duty Cycle NVNT n20 5240MHz Ant14



Duty Cycle NVNT n40 5190MHz Ant14



Duty Cycle NVNT n40 5230MHz Ant14



Maximum Conducted Output Power

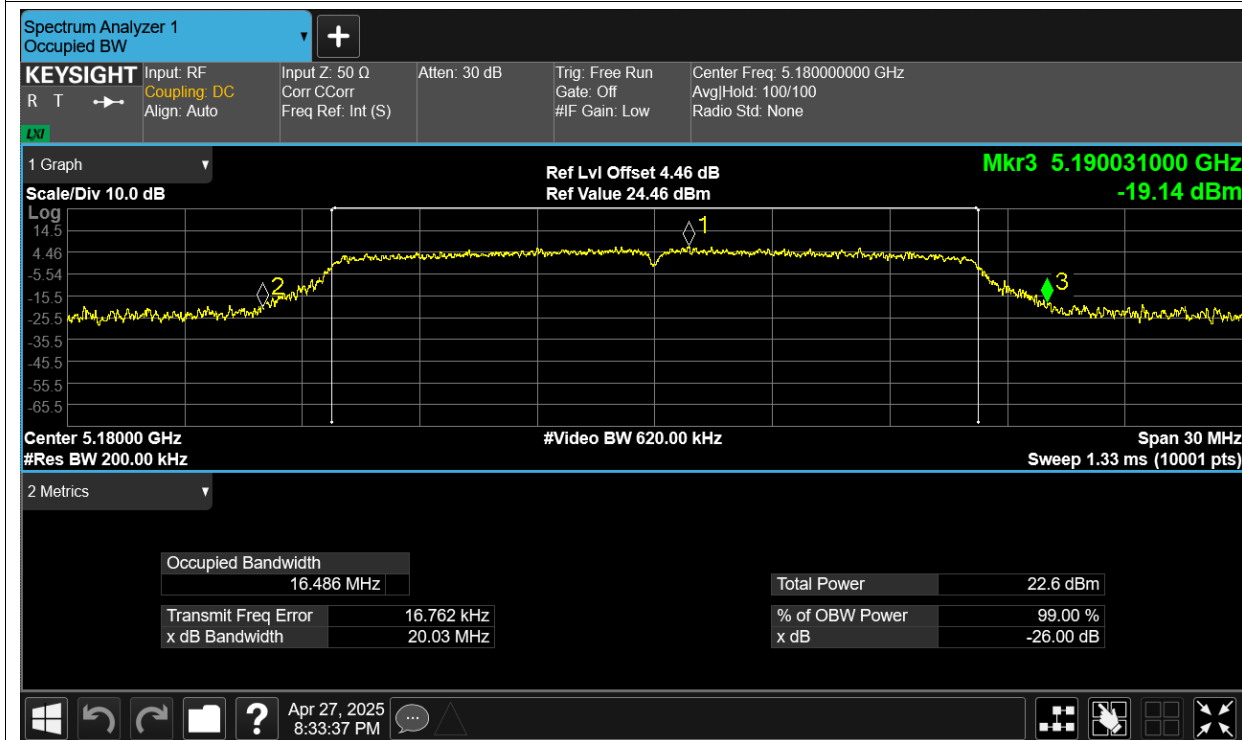
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant14	16.73	0	16.73	24	Pass
NVNT	a	5200	Ant14	16.66	0	16.66	24	Pass
NVNT	a	5240	Ant14	16.77	0	16.77	24	Pass
NVNT	ac20	5180	Ant14	15.22	0	15.22	24	Pass
NVNT	ac20	5200	Ant14	15.24	0	15.24	24	Pass
NVNT	ac20	5240	Ant14	15.45	0	15.45	24	Pass
NVNT	ac40	5190	Ant14	15.18	0	15.18	23	Pass
NVNT	ac40	5230	Ant14	15.32	0	15.32	24	Pass
NVNT	ac80	5210	Ant14	14.98	0	14.98	24	Pass
NVNT	n20	5180	Ant14	15.58	0	15.58	24	Pass
NVNT	n20	5200	Ant14	15.6	0	15.6	24	Pass
NVNT	n20	5240	Ant14	15.8	0	15.8	24	Pass
NVNT	n40	5190	Ant14	15.39	0	15.39	24	Pass
NVNT	n40	5230	Ant14	15.82	0	15.82	24	Pass

-26dB Bandwidth

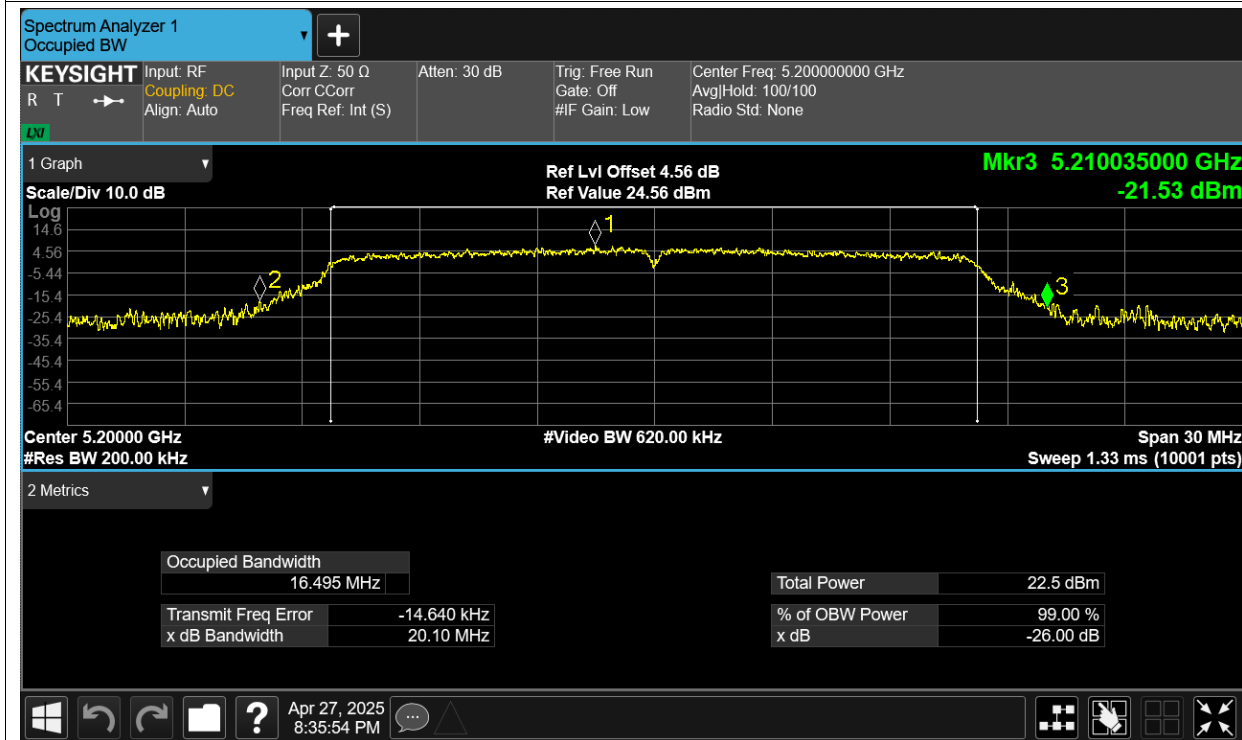
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant14	20.029
NVNT	a	5200	Ant14	20.099
NVNT	a	5240	Ant14	21.145
NVNT	ac20	5180	Ant14	20.648
NVNT	ac20	5200	Ant14	19.902
NVNT	ac20	5240	Ant14	20.016
NVNT	ac40	5190	Ant14	39.162
NVNT	ac40	5230	Ant14	39.499
NVNT	ac80	5210	Ant14	78.882
NVNT	n20	5180	Ant14	20.345
NVNT	n20	5200	Ant14	20.103
NVNT	n20	5240	Ant14	20.173
NVNT	n40	5190	Ant14	39.079
NVNT	n40	5230	Ant14	39.624

Test Graphs

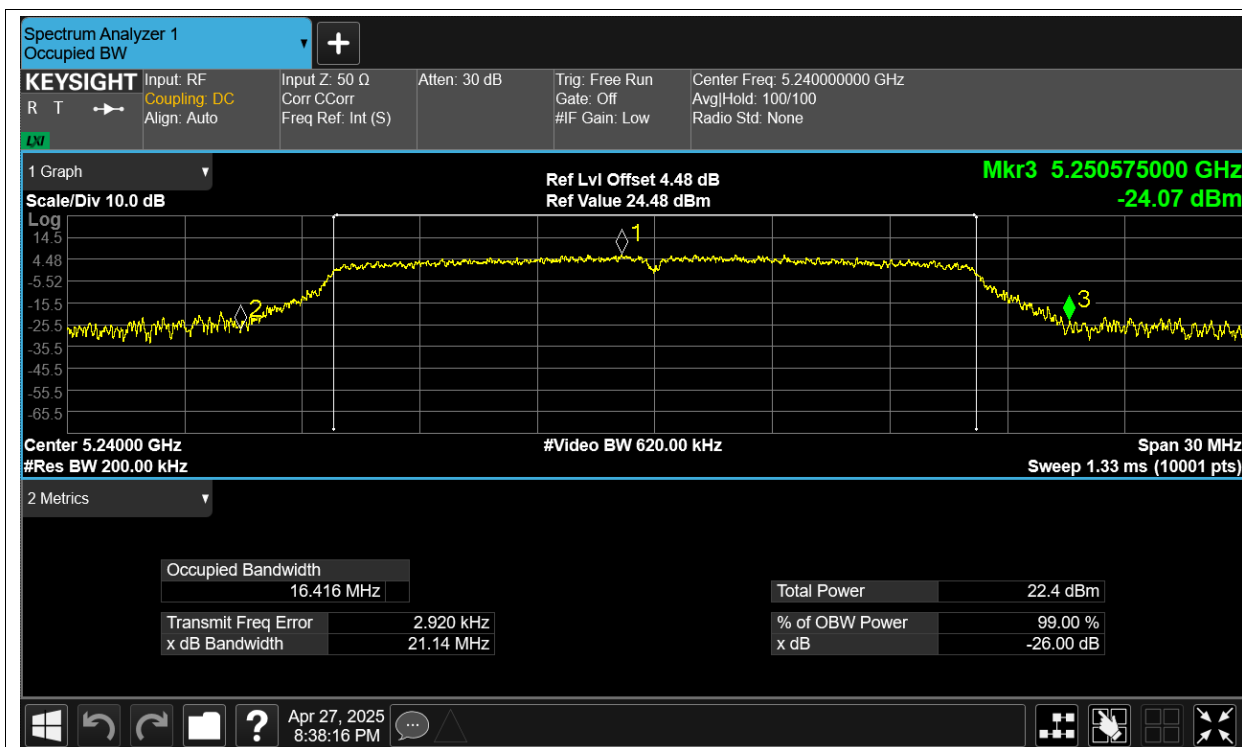
-26dB Bandwidth NVNT a 5180MHz Ant14



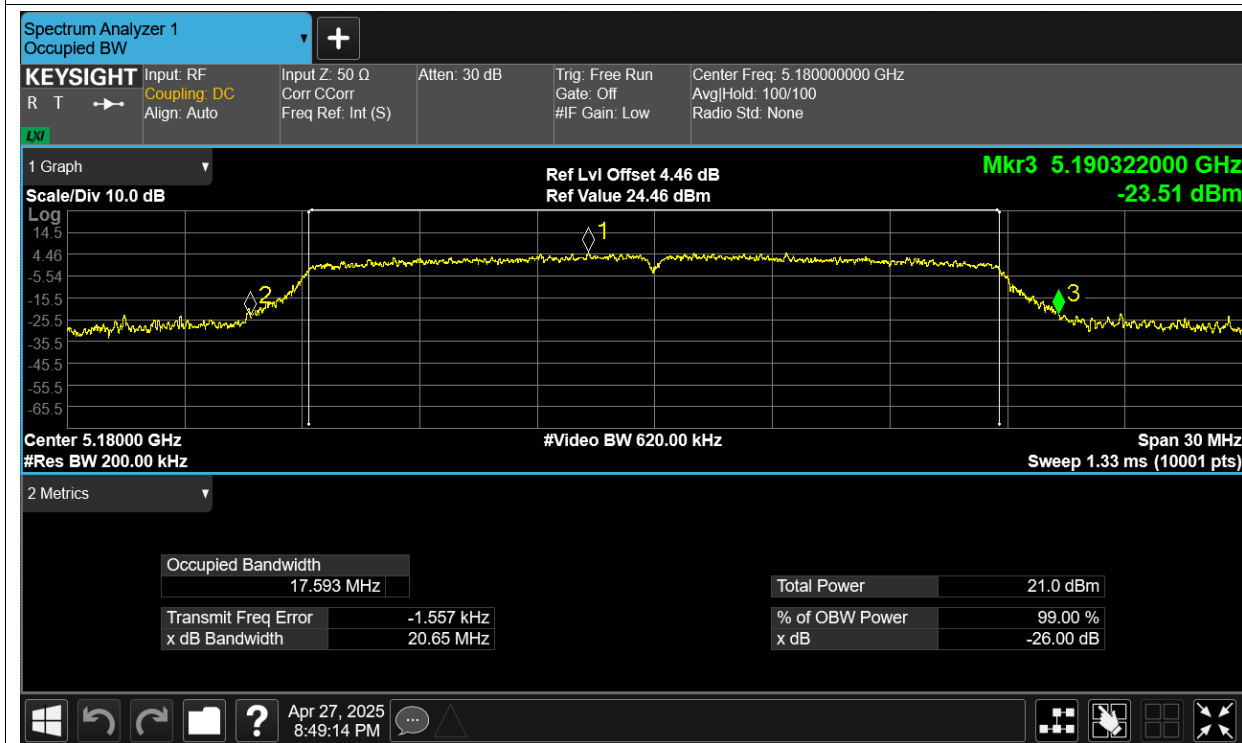
-26dB Bandwidth NVNT a 5200MHz Ant14



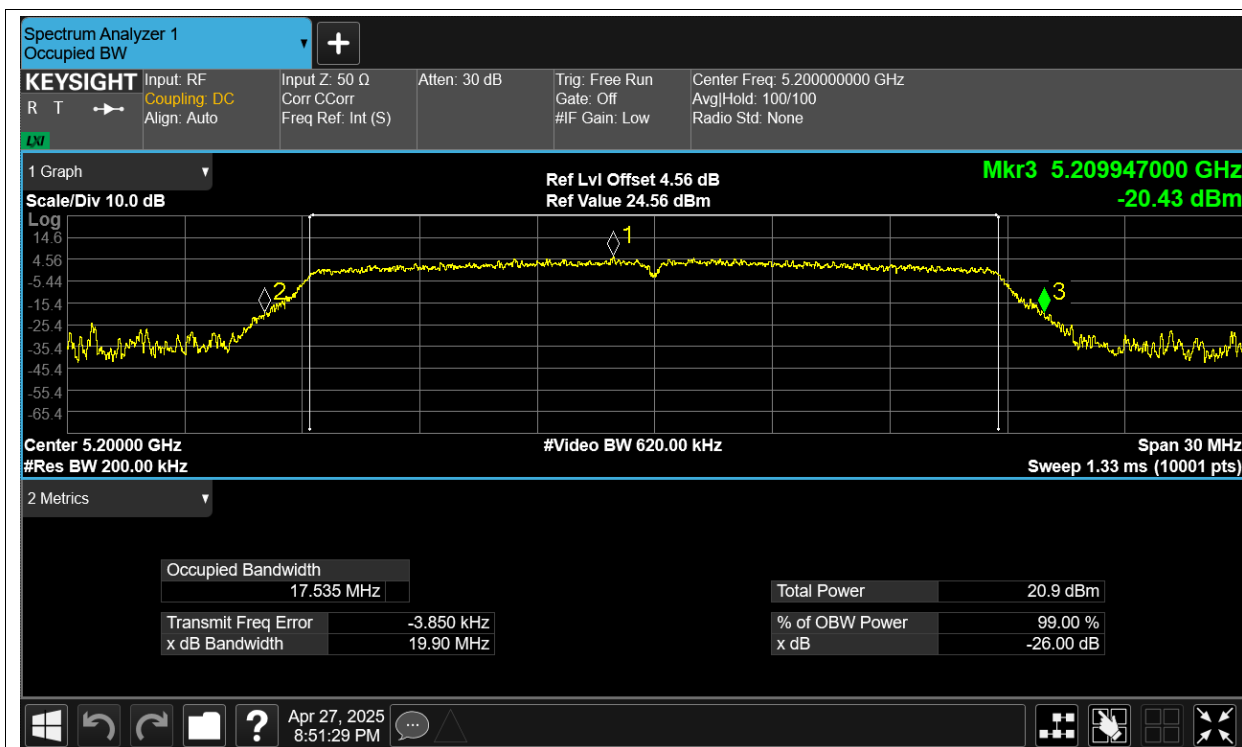
-26dB Bandwidth NVNT a 5240MHz Ant14



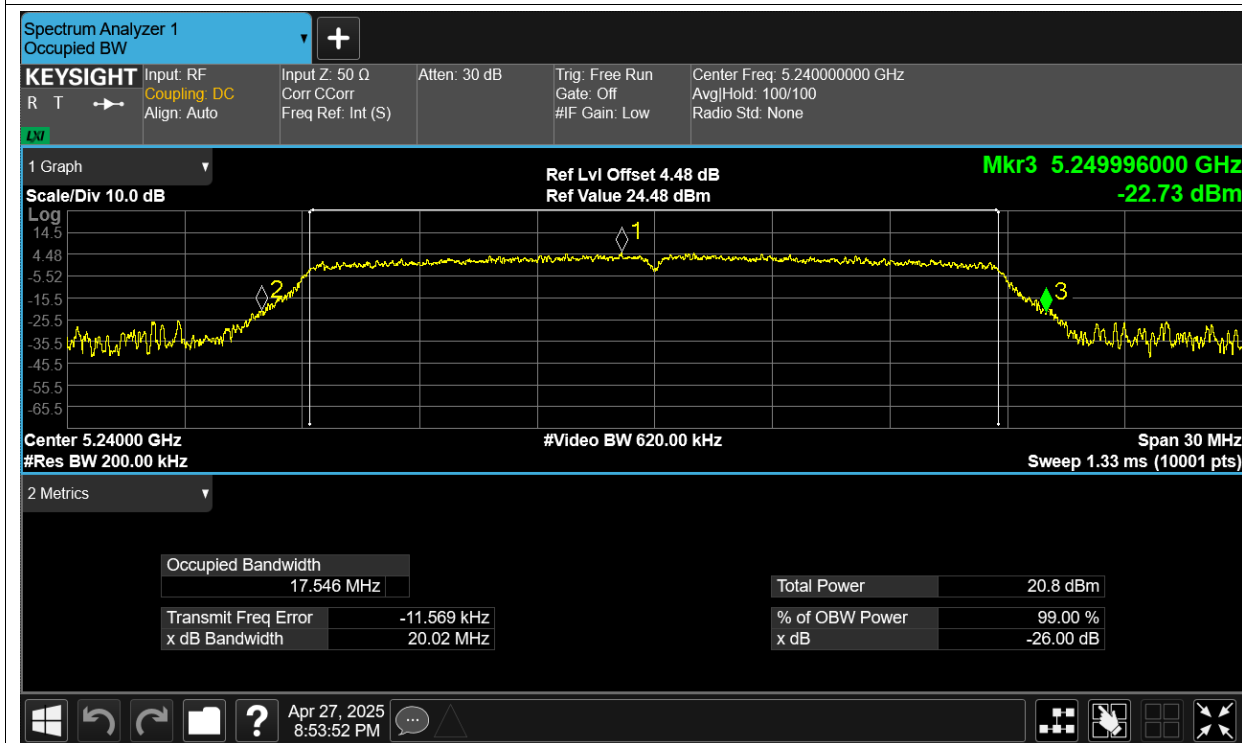
-26dB Bandwidth NVNT ac20 5180MHz Ant14



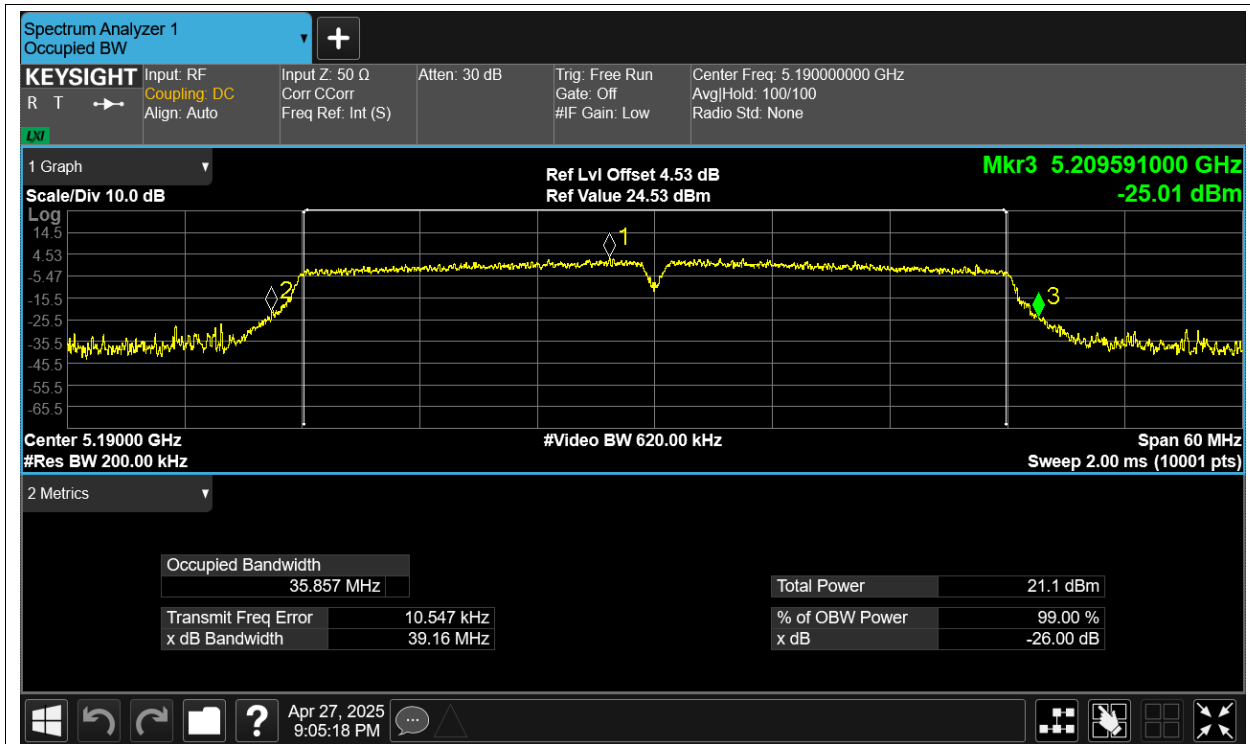
-26dB Bandwidth NVNT ac20 5200MHz Ant14



-26dB Bandwidth NVNT ac20 5240MHz Ant14



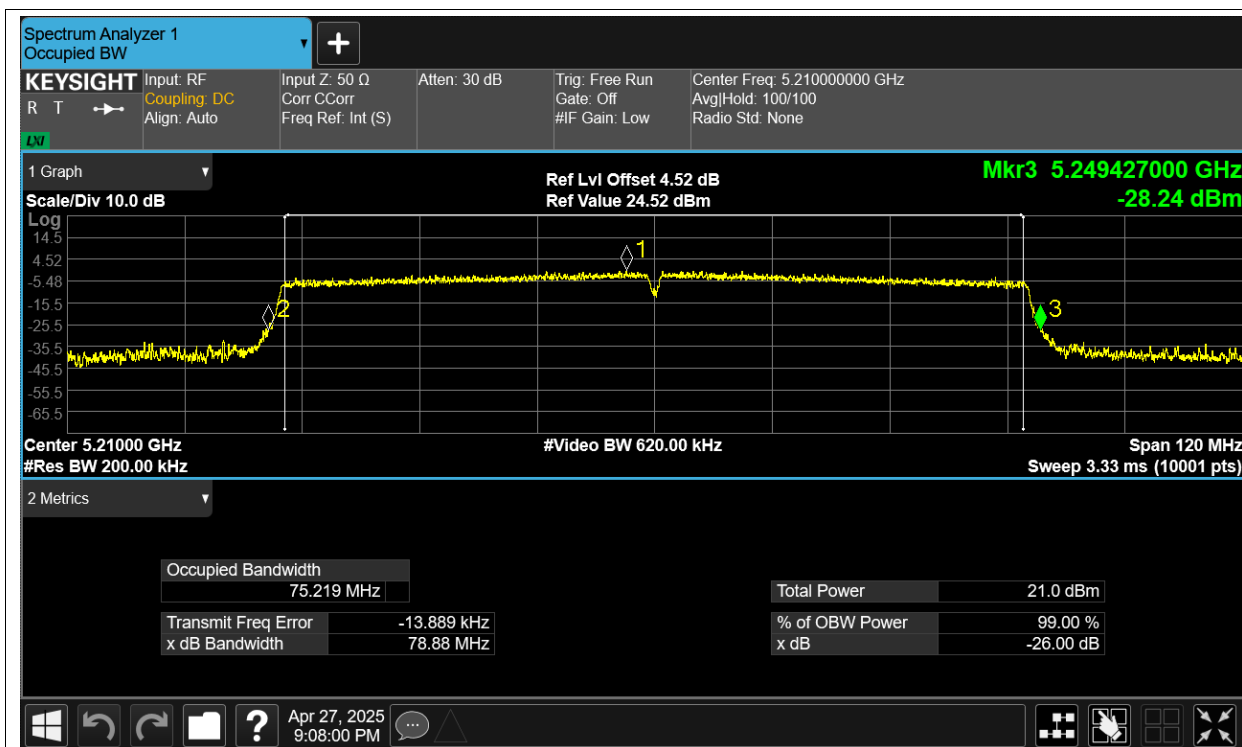
-26dB Bandwidth NVNT ac40 5190MHz Ant14



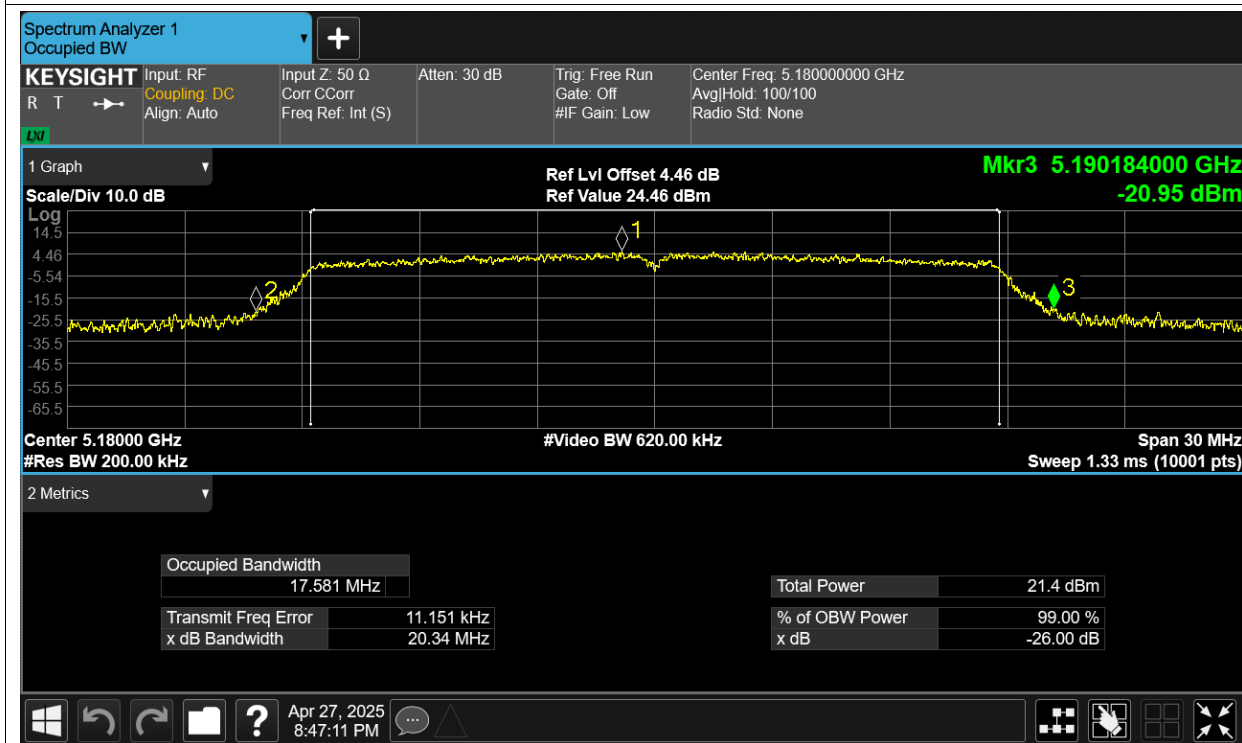
-26dB Bandwidth NVNT ac40 5230MHz Ant14



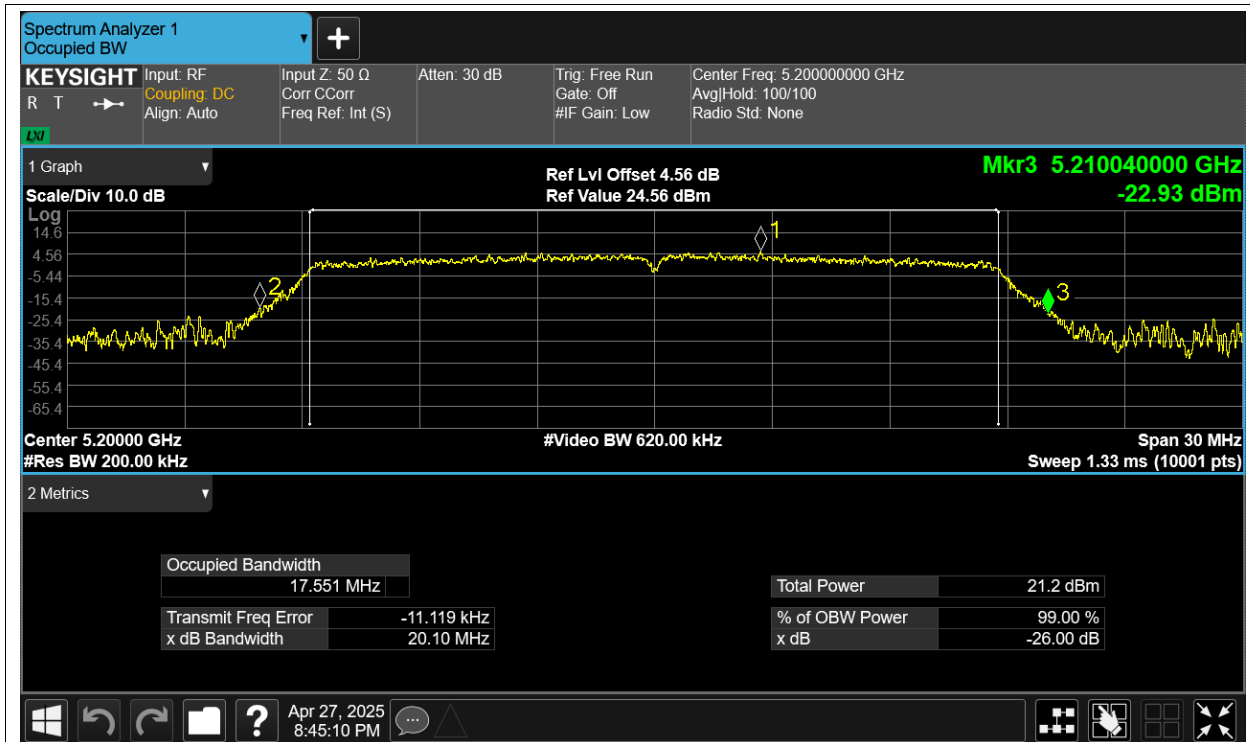
-26dB Bandwidth NVNT ac80 5210MHz Ant14



-26dB Bandwidth NVNT n20 5180MHz Ant14



-26dB Bandwidth NVNT n20 5200MHz Ant14



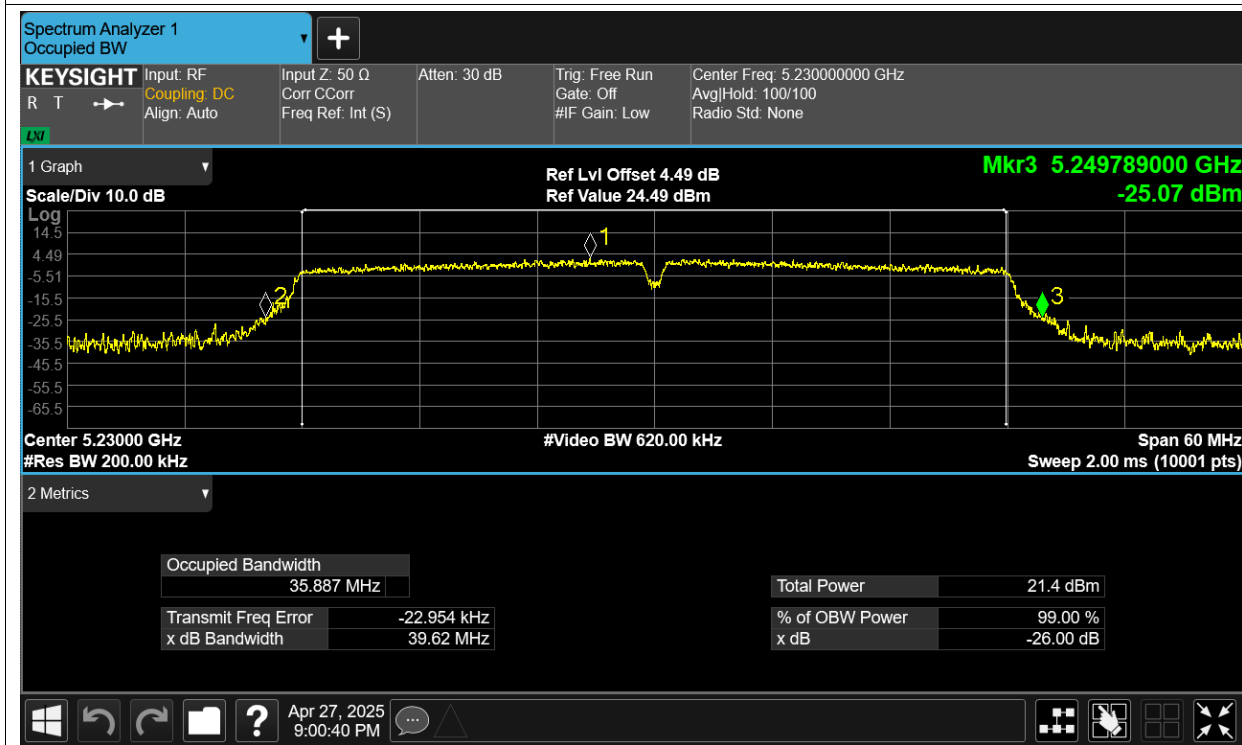
-26dB Bandwidth NVNT n20 5240MHz Ant14



-26dB Bandwidth NVNT n40 5190MHz Ant14



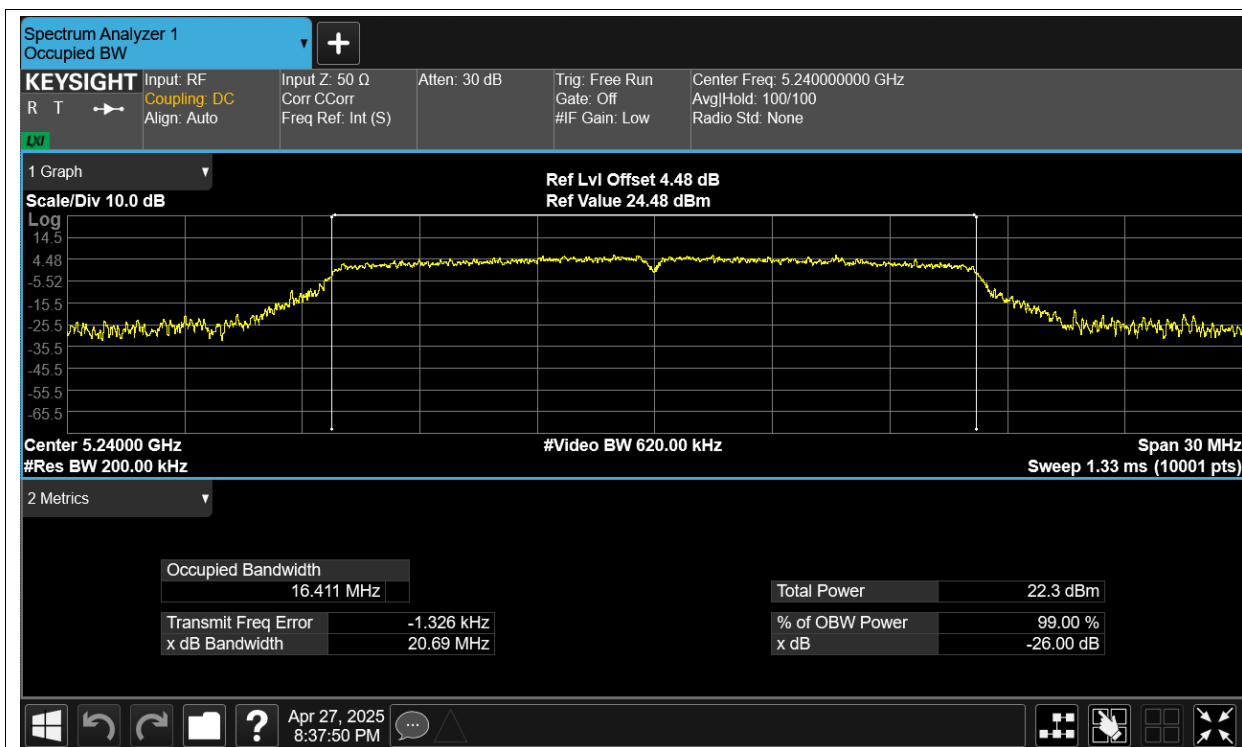
-26dB Bandwidth NVNT n40 5230MHz Ant14



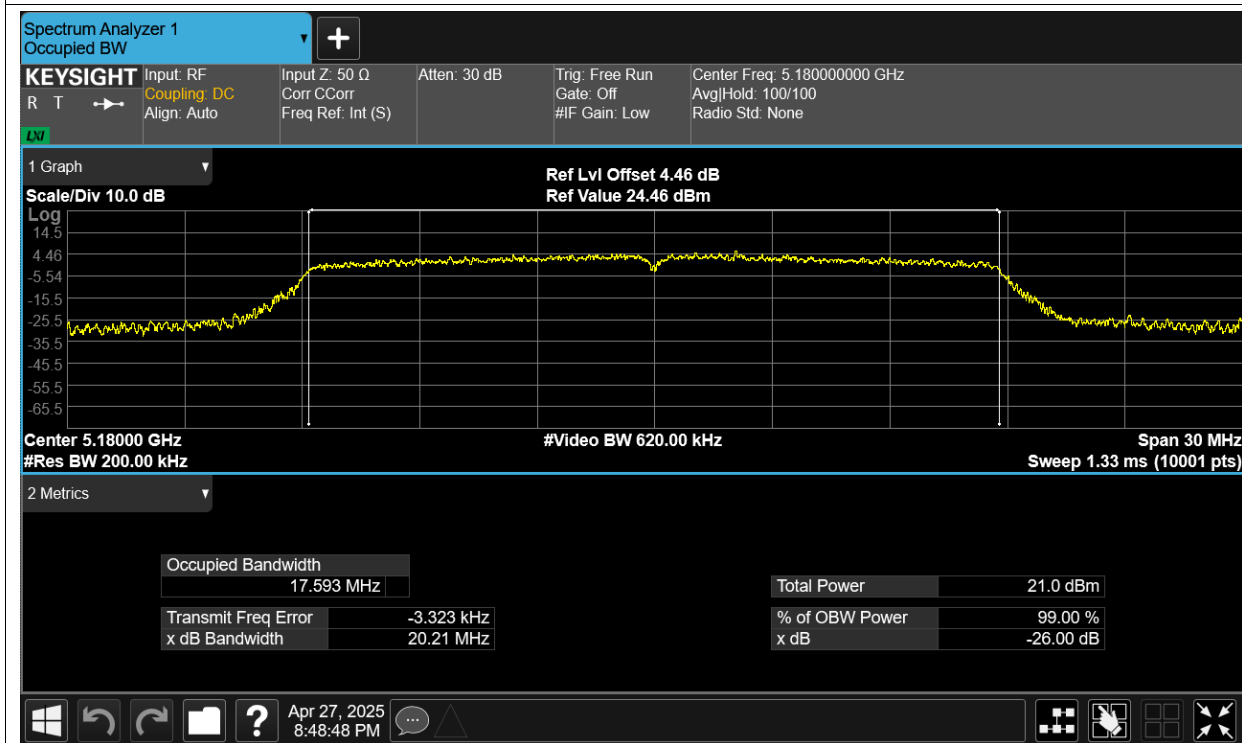
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant14	16.464
NVNT	a	5200	Ant14	16.393
NVNT	a	5240	Ant14	16.411
NVNT	ac20	5180	Ant14	17.593
NVNT	ac20	5200	Ant14	17.565
NVNT	ac20	5240	Ant14	17.553
NVNT	ac40	5190	Ant14	35.987
NVNT	ac40	5230	Ant14	35.963
NVNT	ac80	5210	Ant14	75.193
NVNT	n20	5180	Ant14	17.578
NVNT	n20	5200	Ant14	17.555
NVNT	n20	5240	Ant14	17.568
NVNT	n40	5190	Ant14	35.983
NVNT	n40	5230	Ant14	35.984

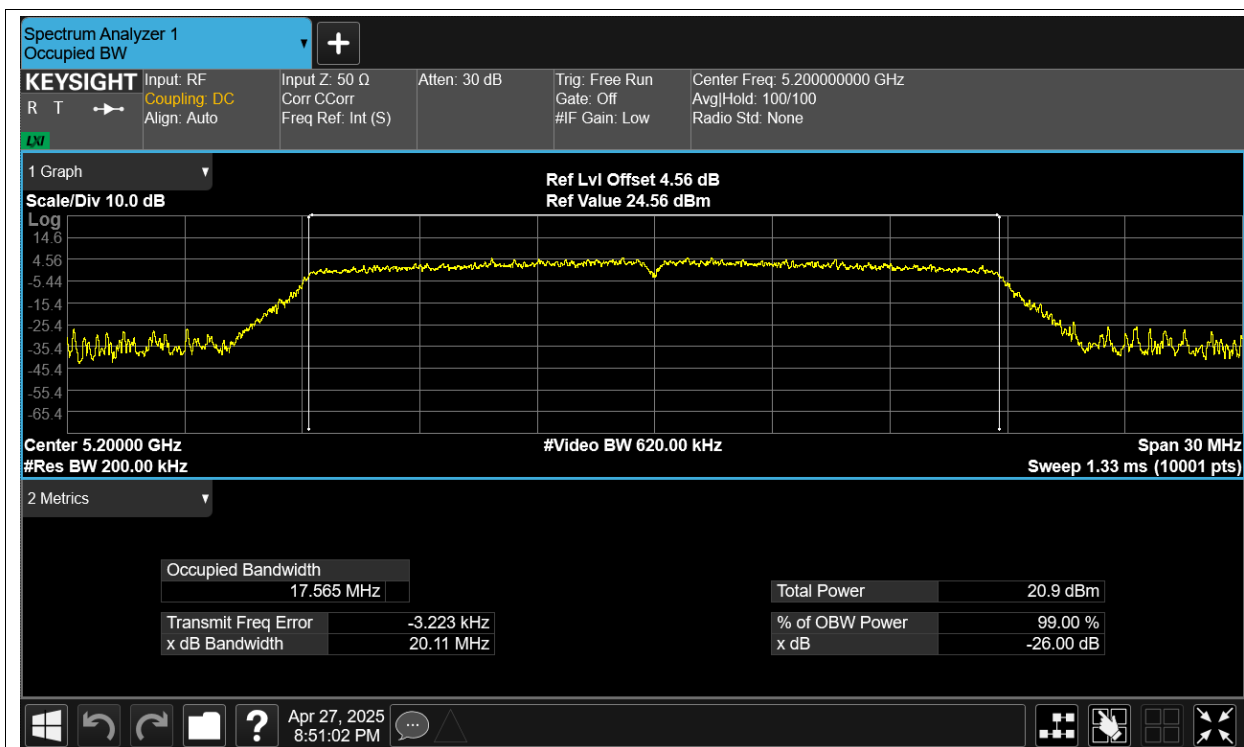




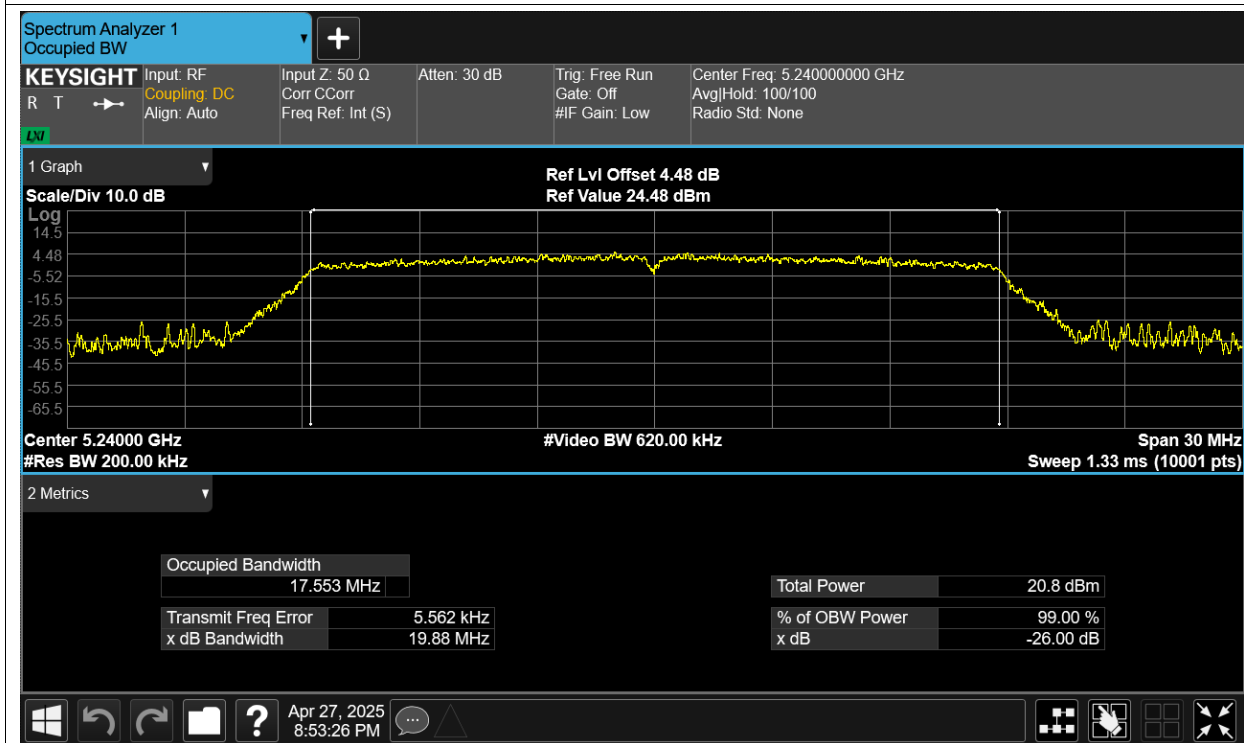
OBW NVNT ac20 5180MHz Ant14



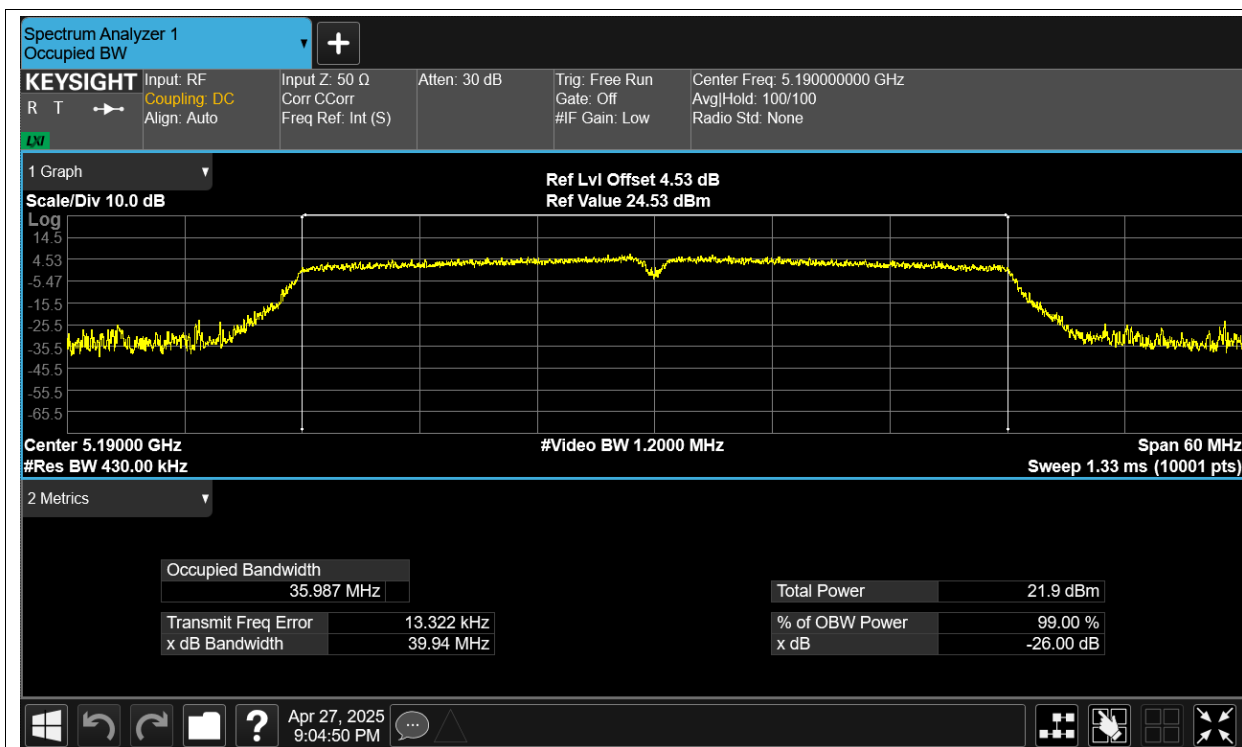
OBW NVNT ac20 5200MHz Ant14



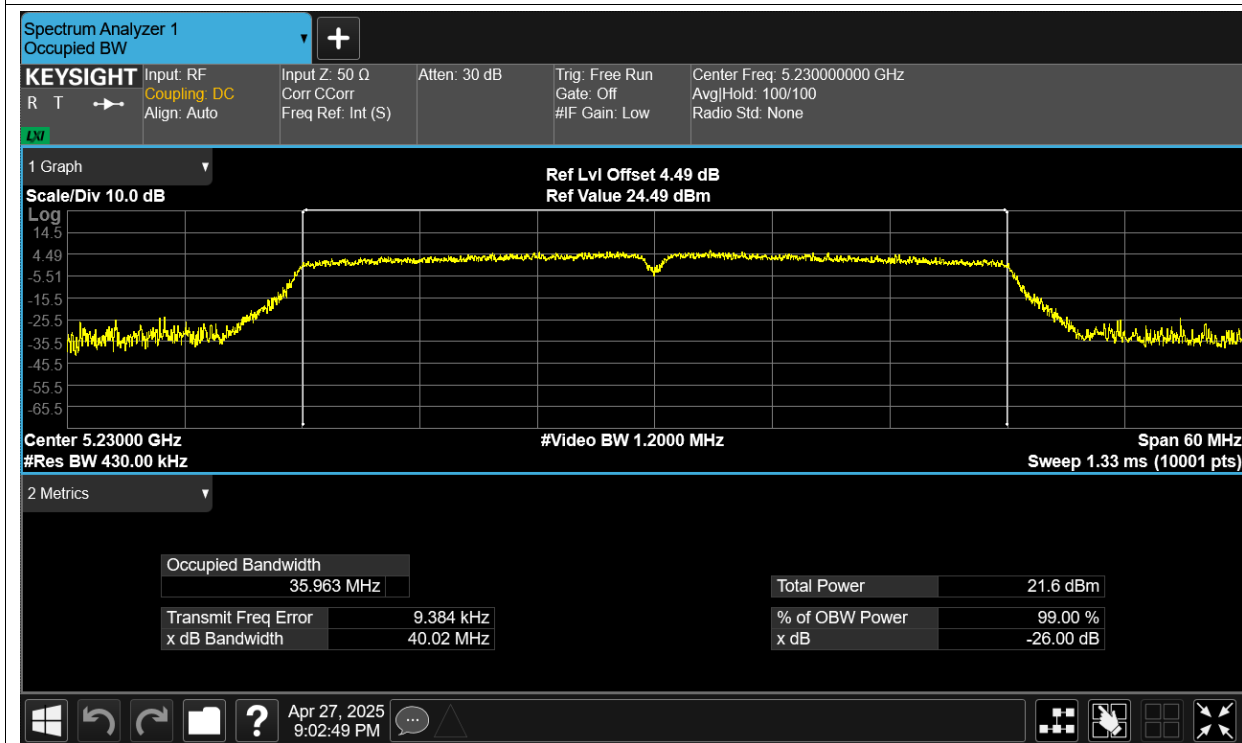
OBW NVNT ac20 5240MHz Ant14



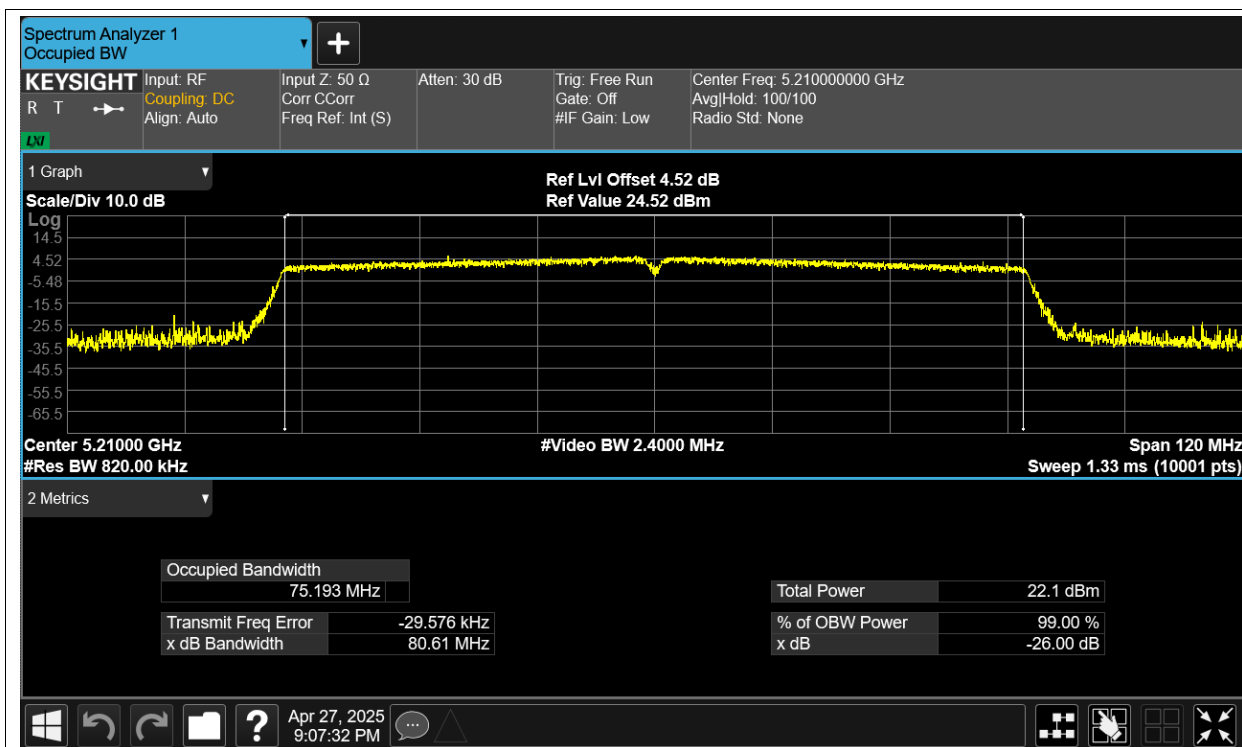
OBW NVNT ac40 5190MHz Ant14



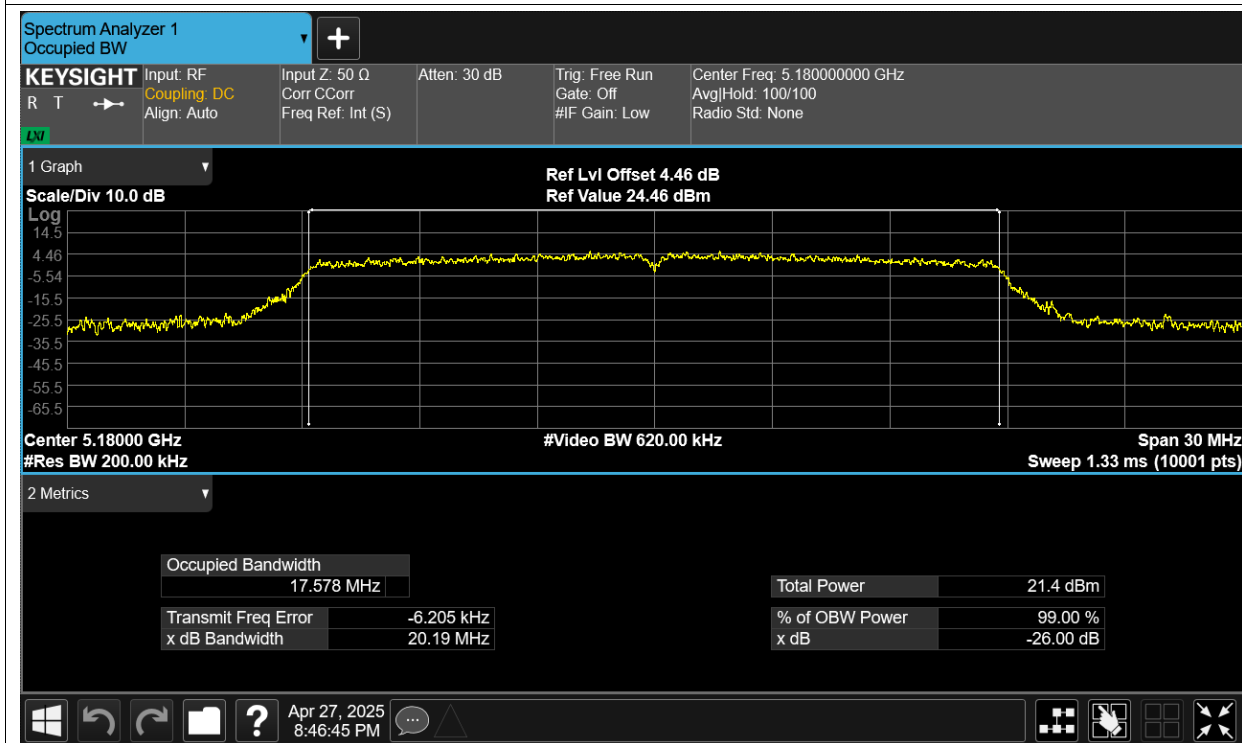
OBW NVNT ac40 5230MHz Ant14



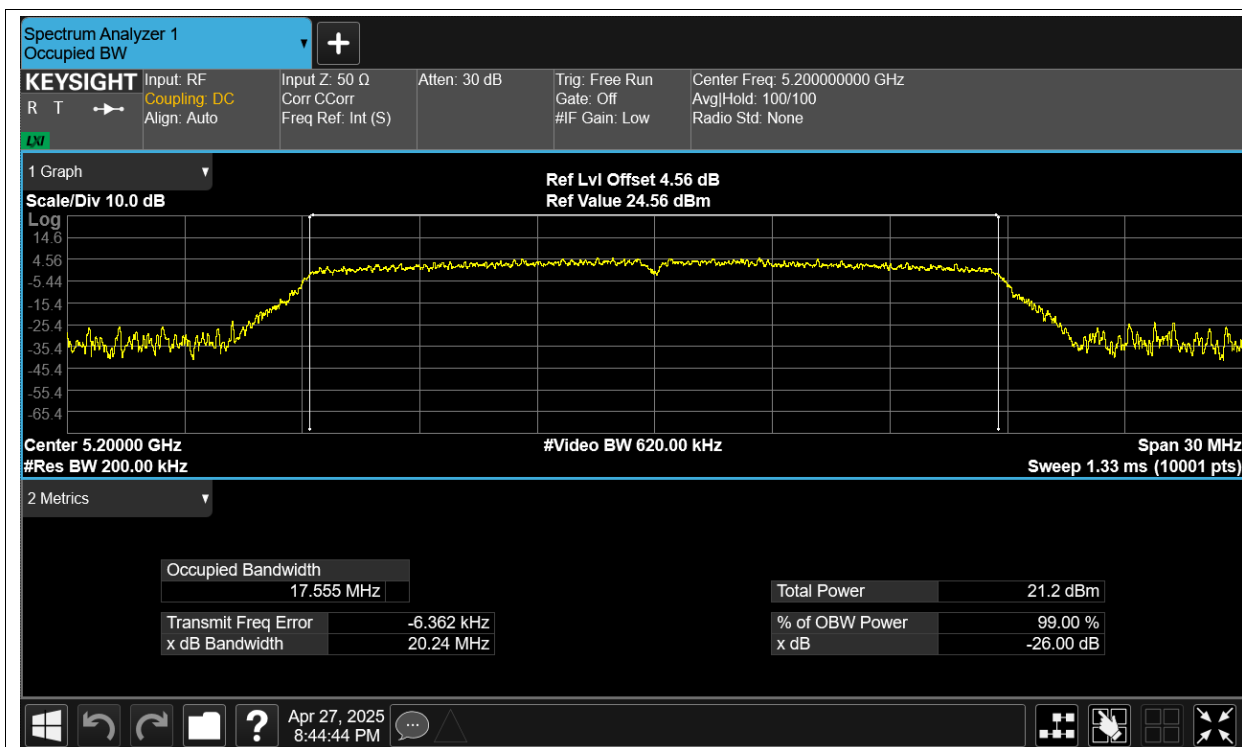
OBW NVNT ac80 5210MHz Ant14



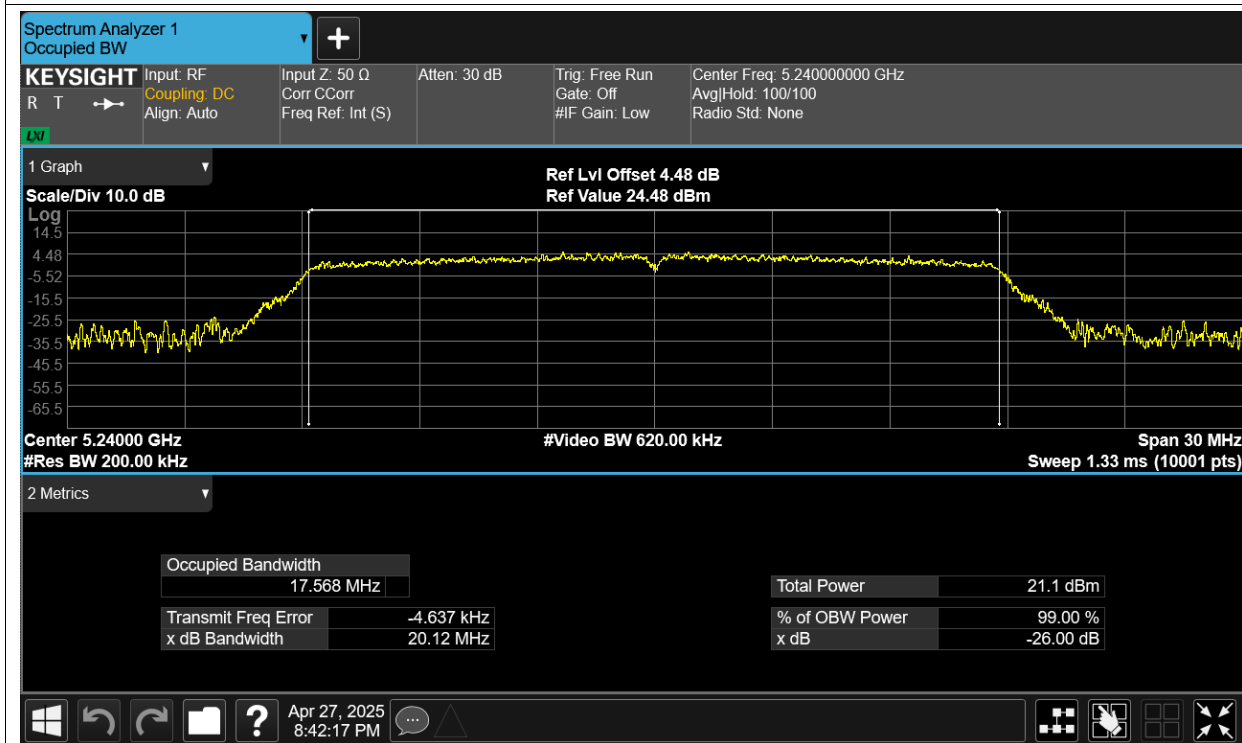
OBW NVNT n20 5180MHz Ant14



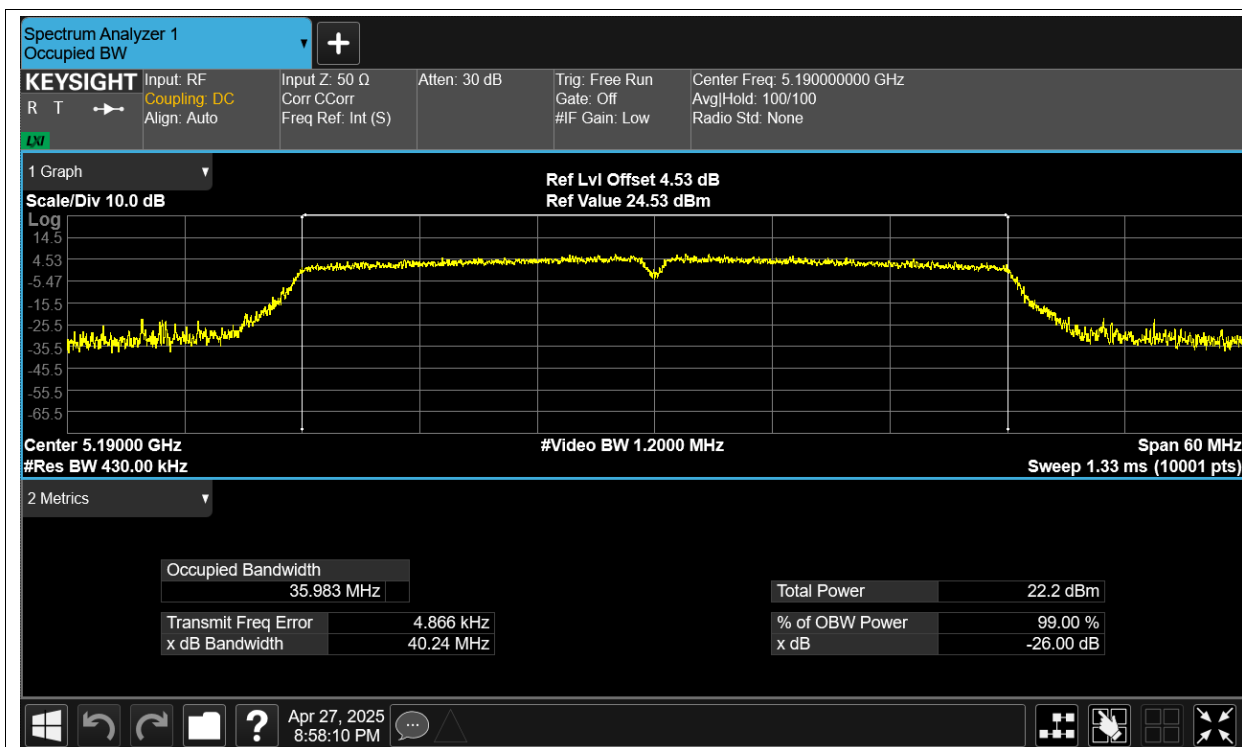
OBW NVNT n20 5200MHz Ant14



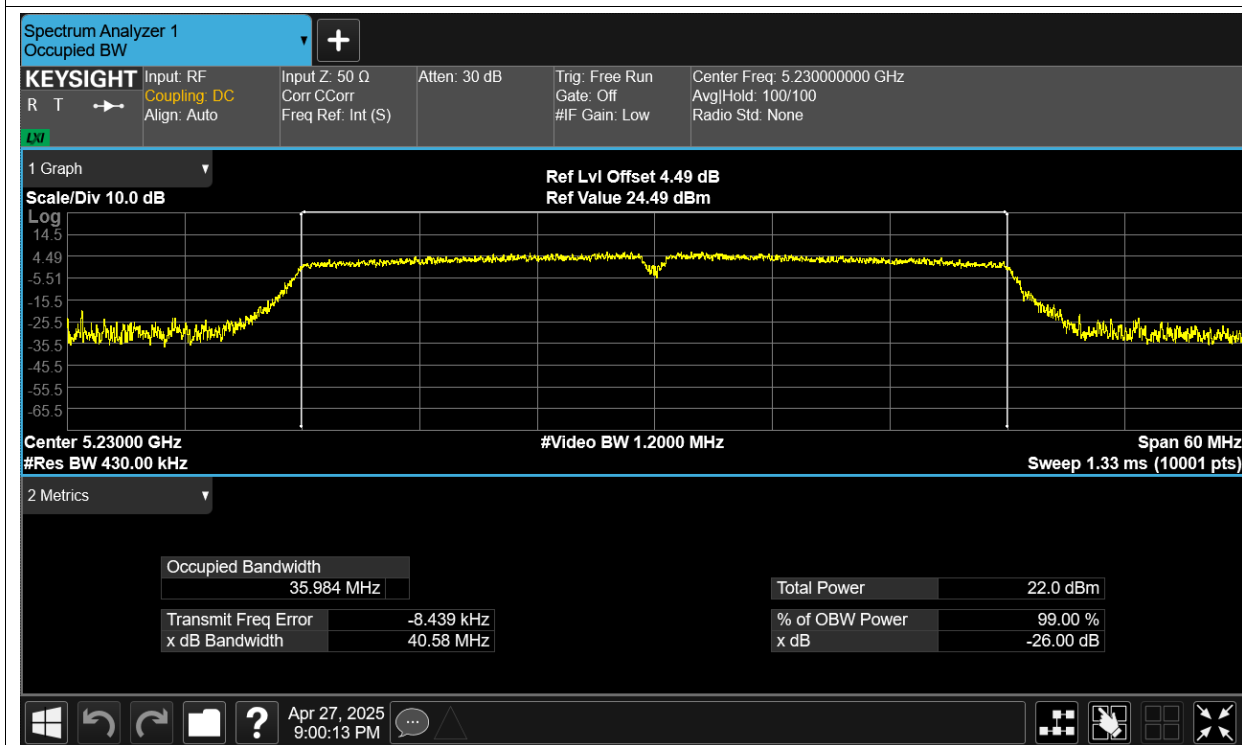
OBW NVNT n20 5240MHz Ant14



OBW NVNT n40 5190MHz Ant14



OBW NVNT n40 5230MHz Ant14

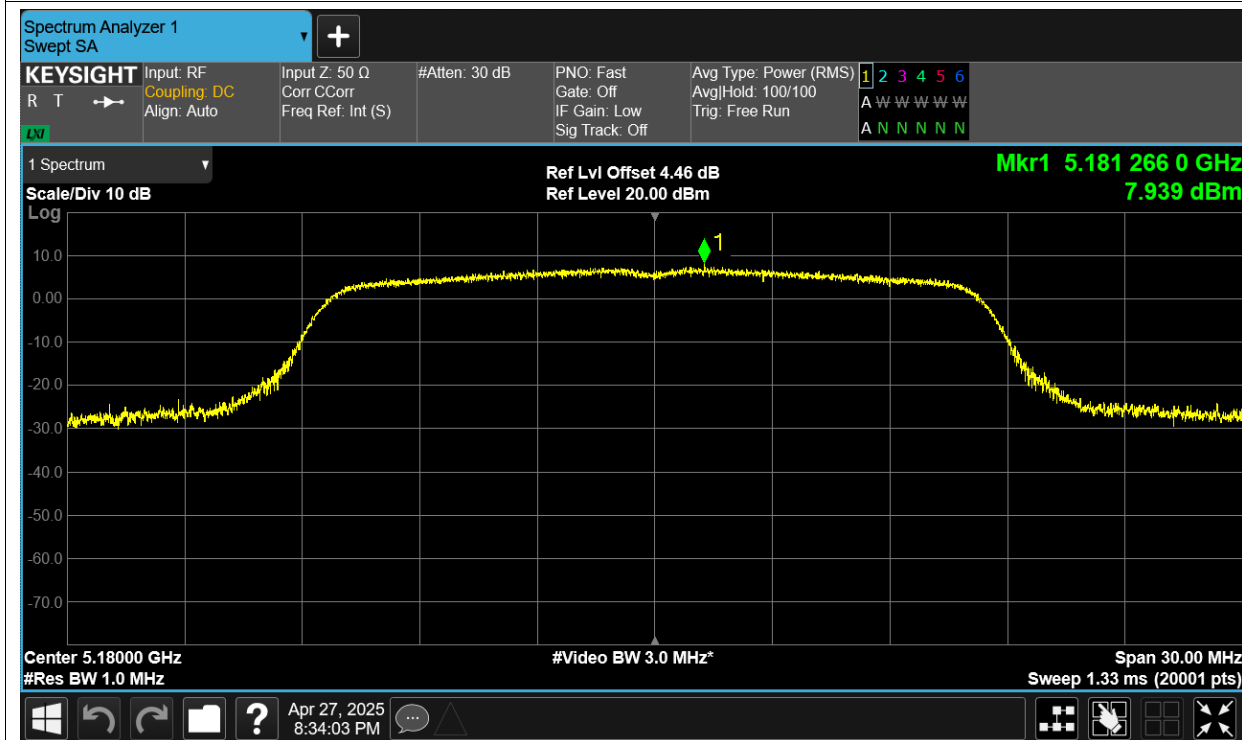


Maximum Power Spectral Density Level

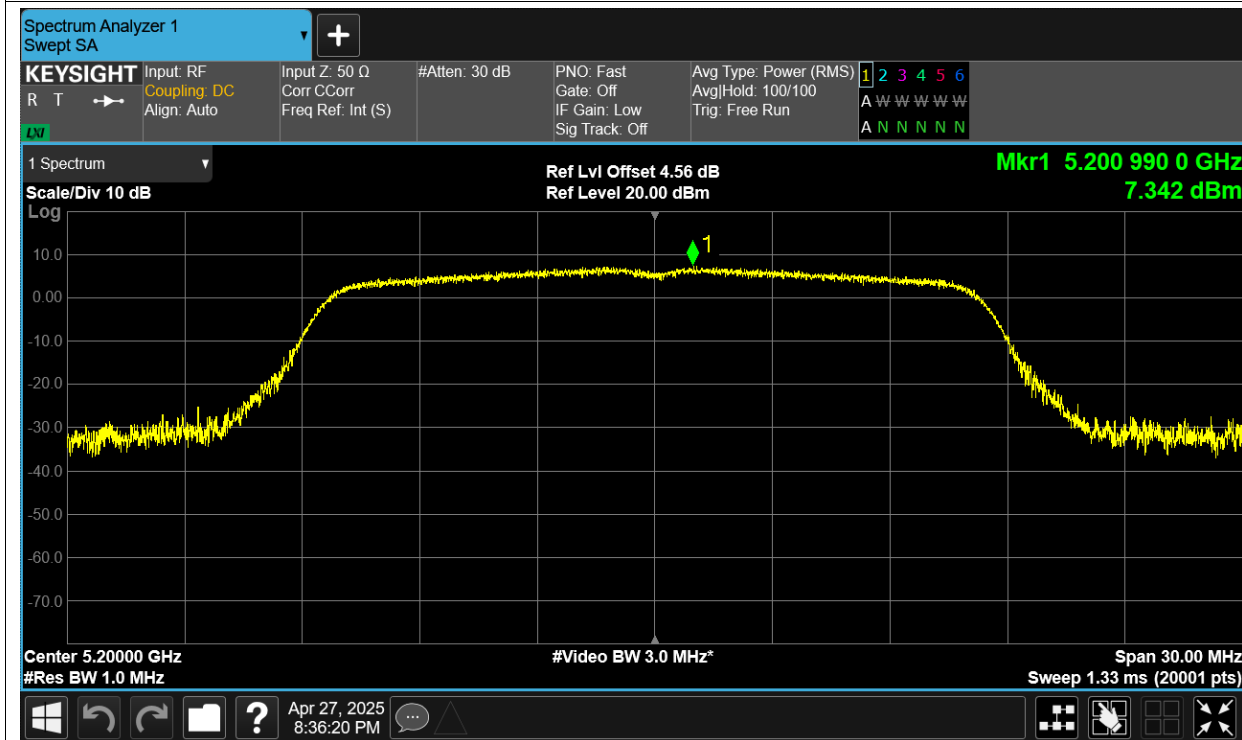
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant14	7.939	11	Pass
NVNT	a	5200	Ant14	7.342	11	Pass
NVNT	a	5240	Ant14	7.315	11	Pass
NVNT	ac20	5180	Ant14	5.581	11	Pass
NVNT	ac20	5200	Ant14	5.559	11	Pass
NVNT	ac20	5240	Ant14	5.488	11	Pass
NVNT	ac40	5190	Ant14	3.707	11	Pass
NVNT	ac40	5230	Ant14	3.192	11	Pass
NVNT	ac80	5210	Ant14	0.136	11	Pass
NVNT	n20	5180	Ant14	6.09	11	Pass
NVNT	n20	5200	Ant14	5.875	11	Pass
NVNT	n20	5240	Ant14	5.641	11	Pass
NVNT	n40	5190	Ant14	4.013	11	Pass
NVNT	n40	5230	Ant14	3.392	11	Pass

Test Graphs

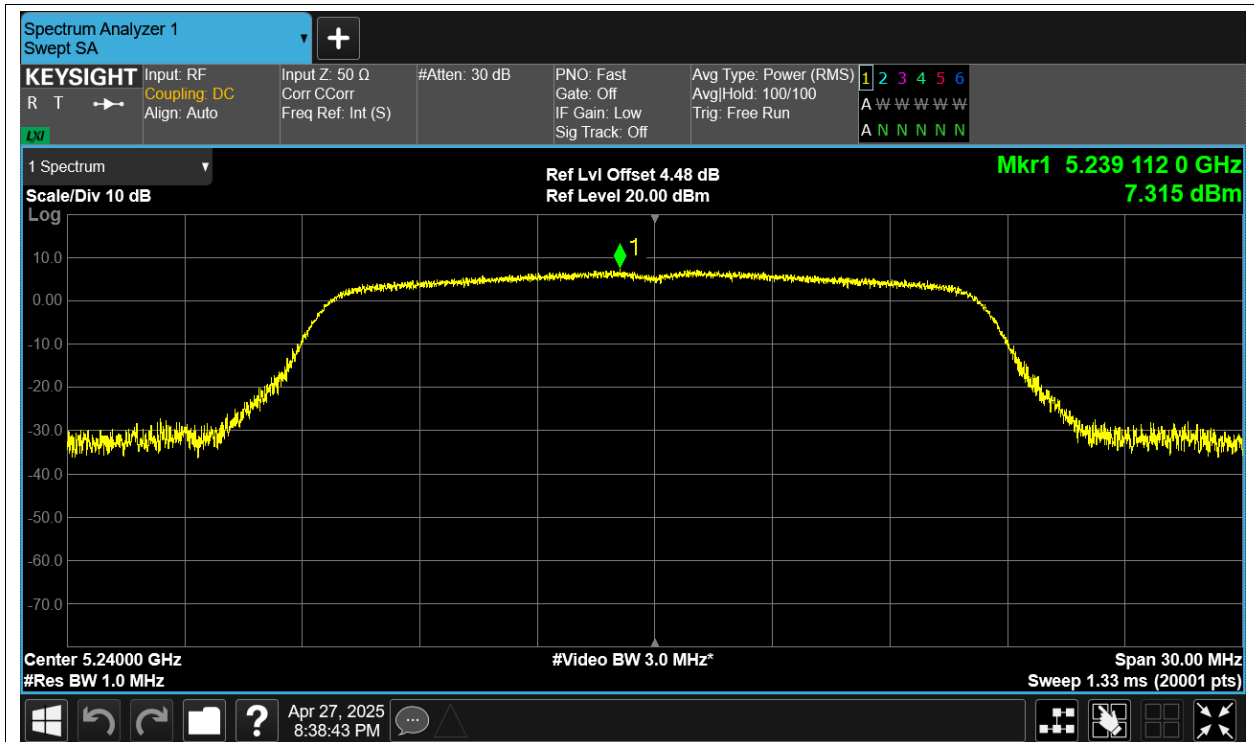
PSD NVNT a 5180MHz Ant14



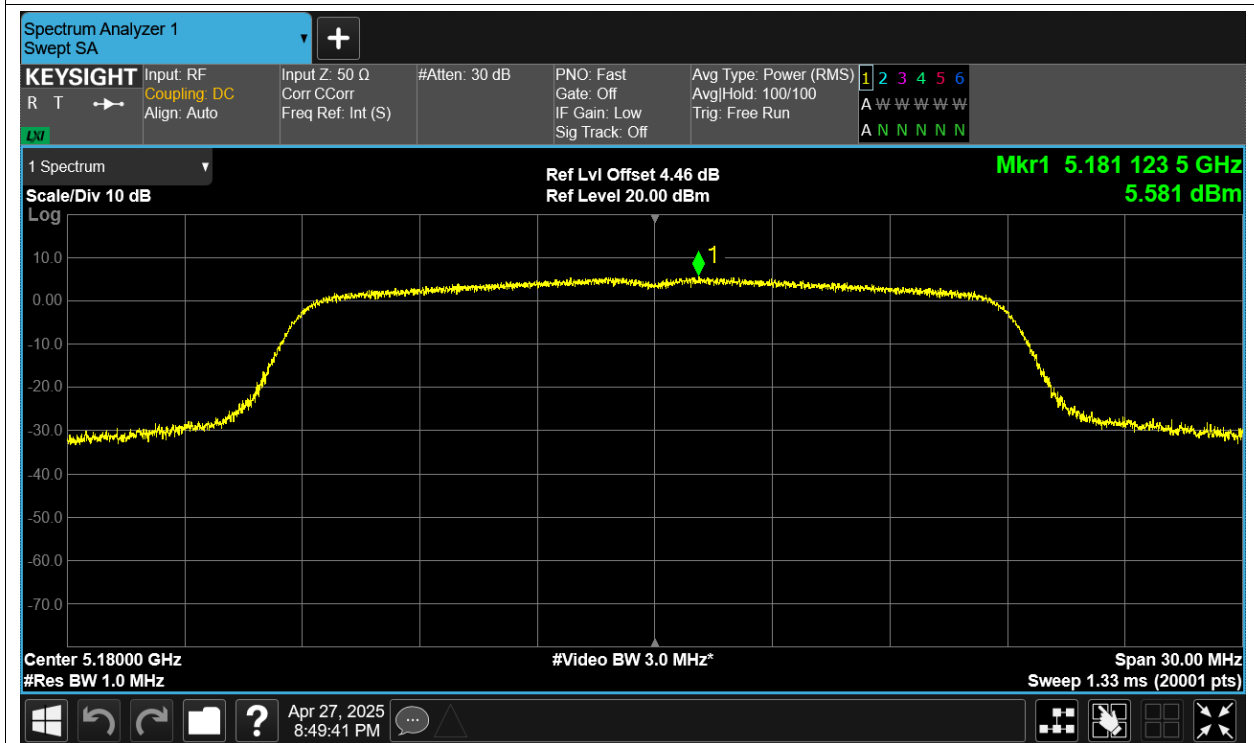
PSD NVNT a 5200MHz Ant14



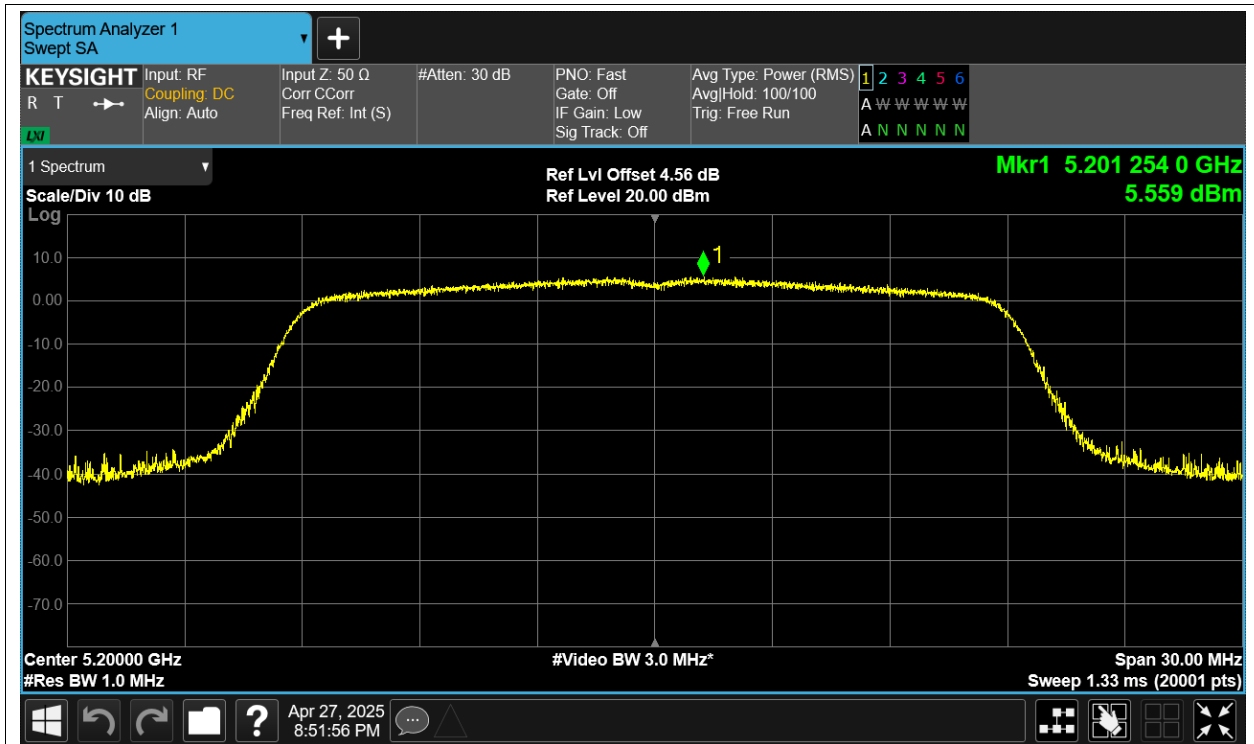
PSD NVNT a 5240MHz Ant14



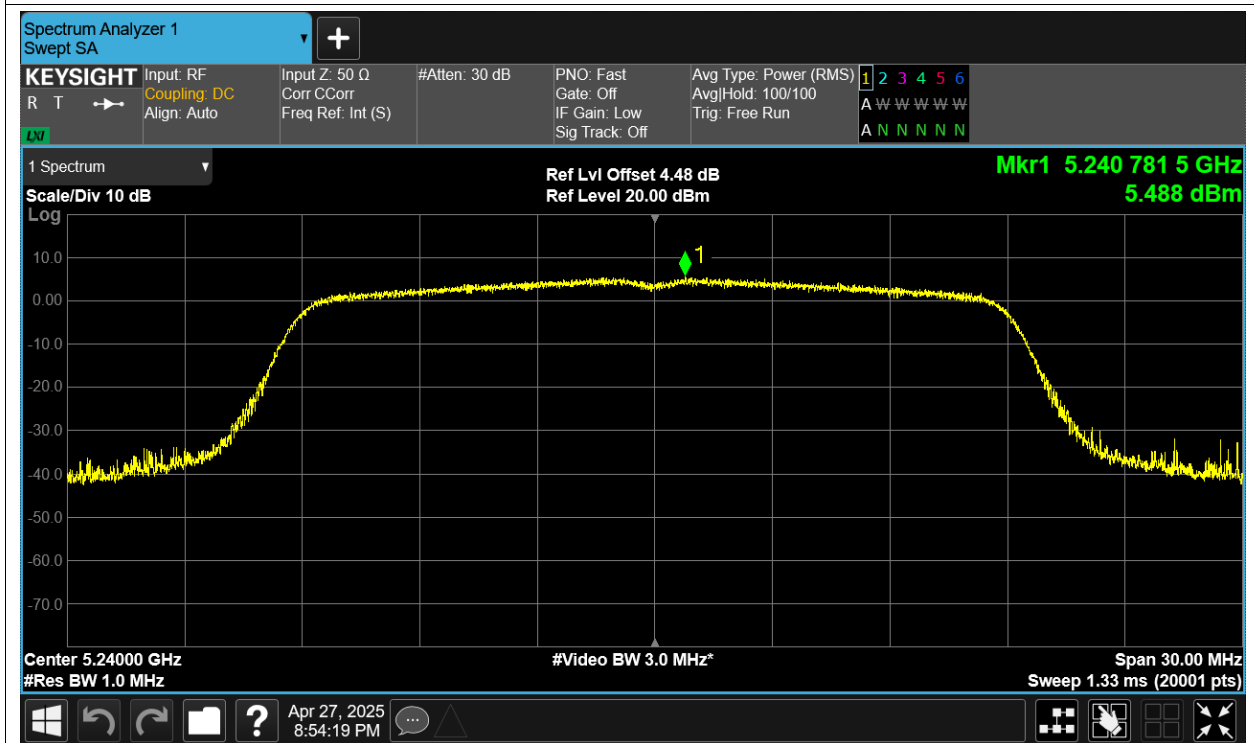
PSD NVNT ac20 5180MHz Ant14



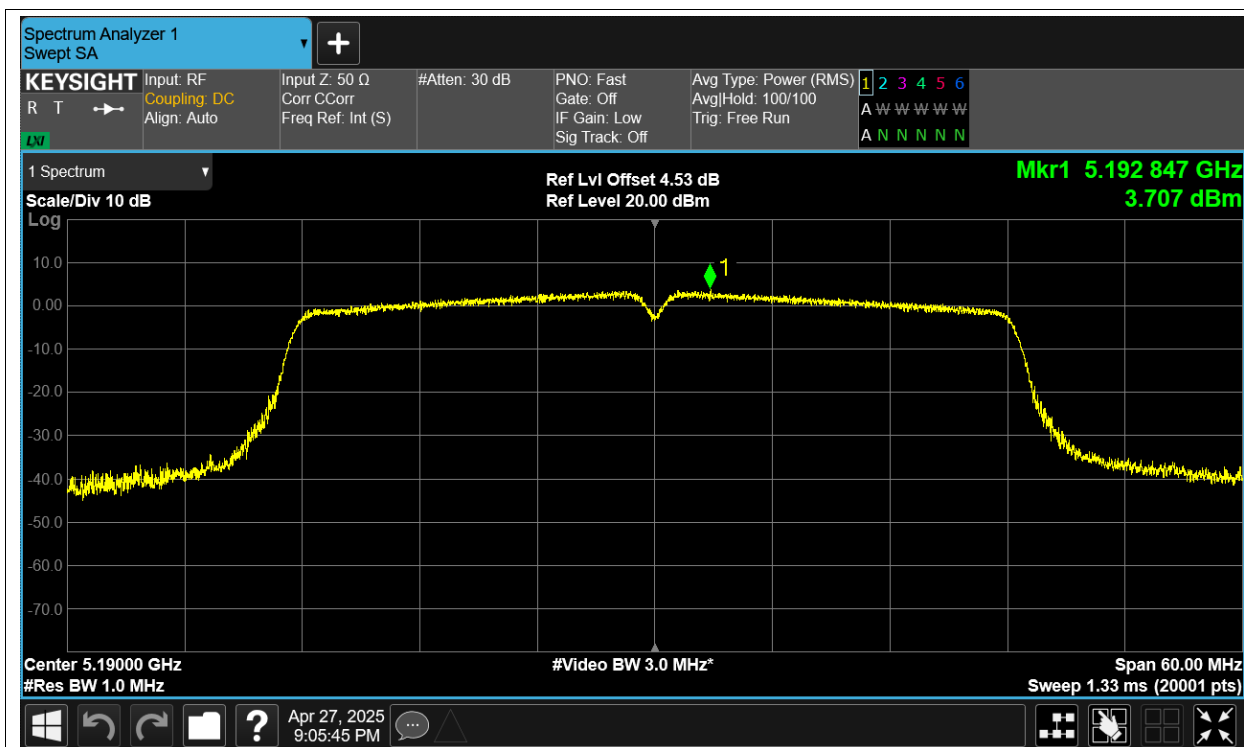
PSD NVNT ac20 5200MHz Ant14



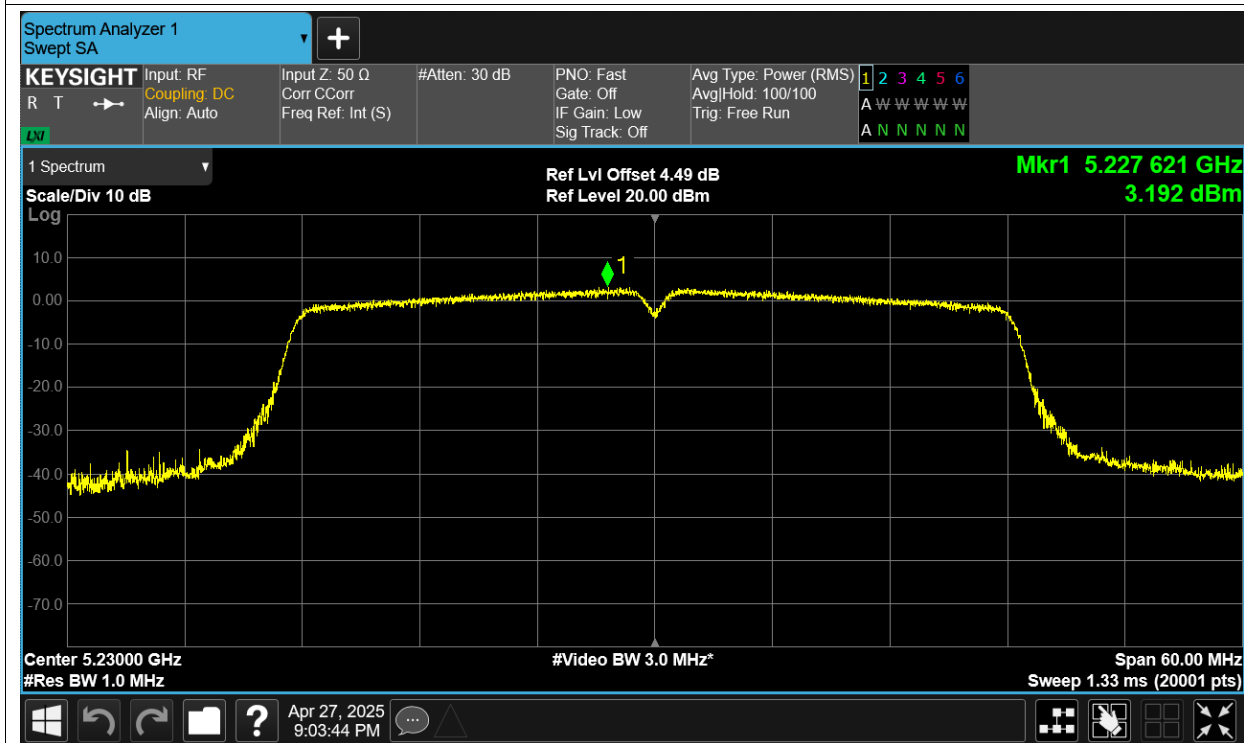
PSD NVNT ac20 5240MHz Ant14



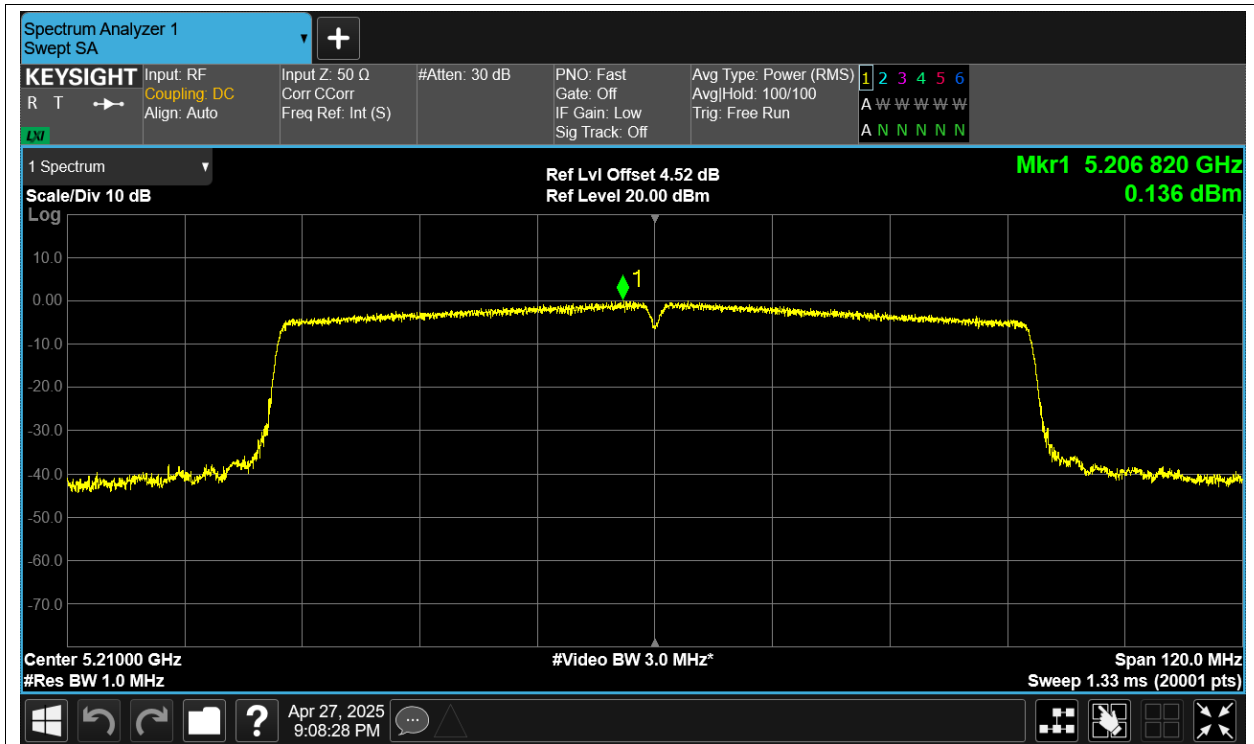
PSD NVNT ac40 5190MHz Ant14



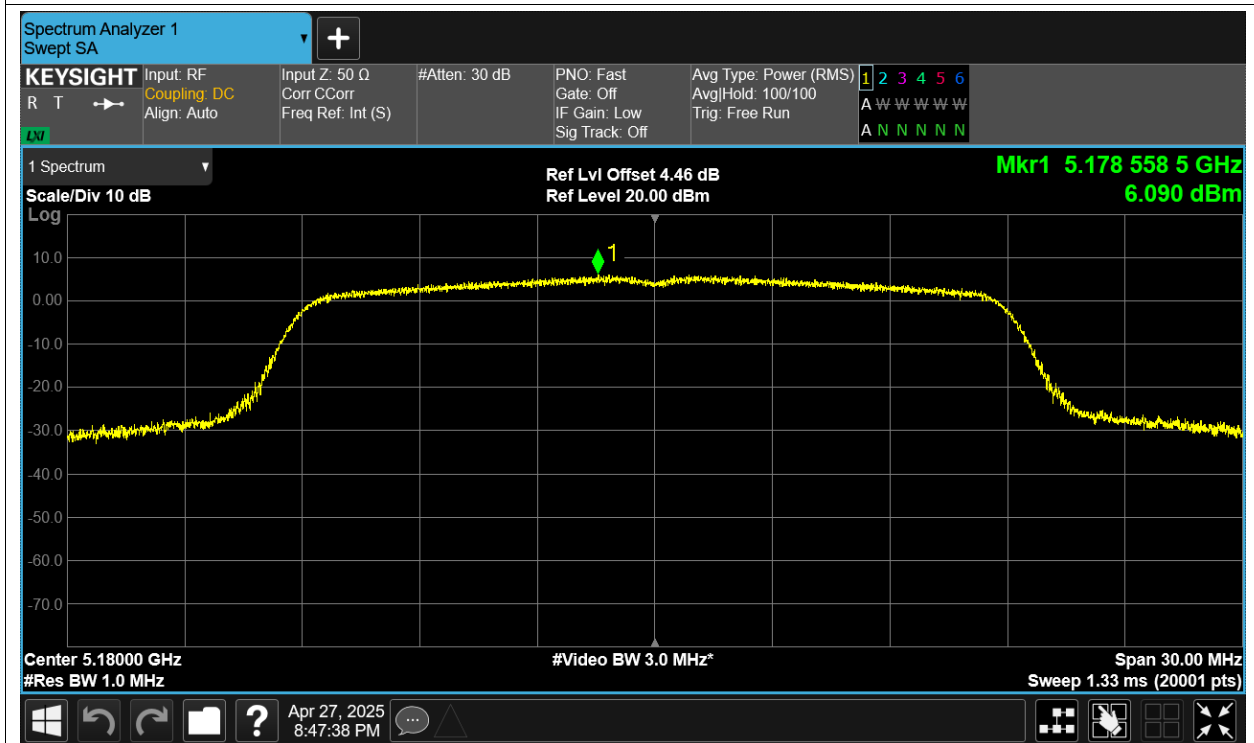
PSD NVNT ac40 5230MHz Ant14



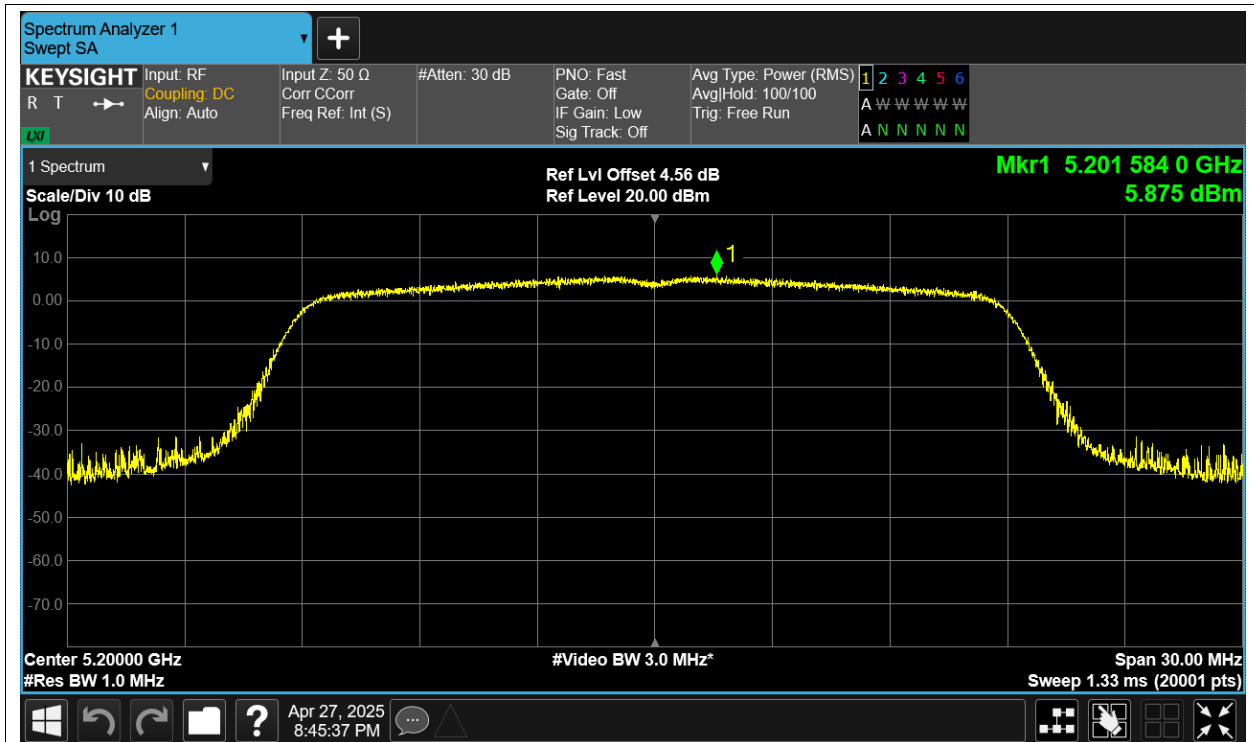
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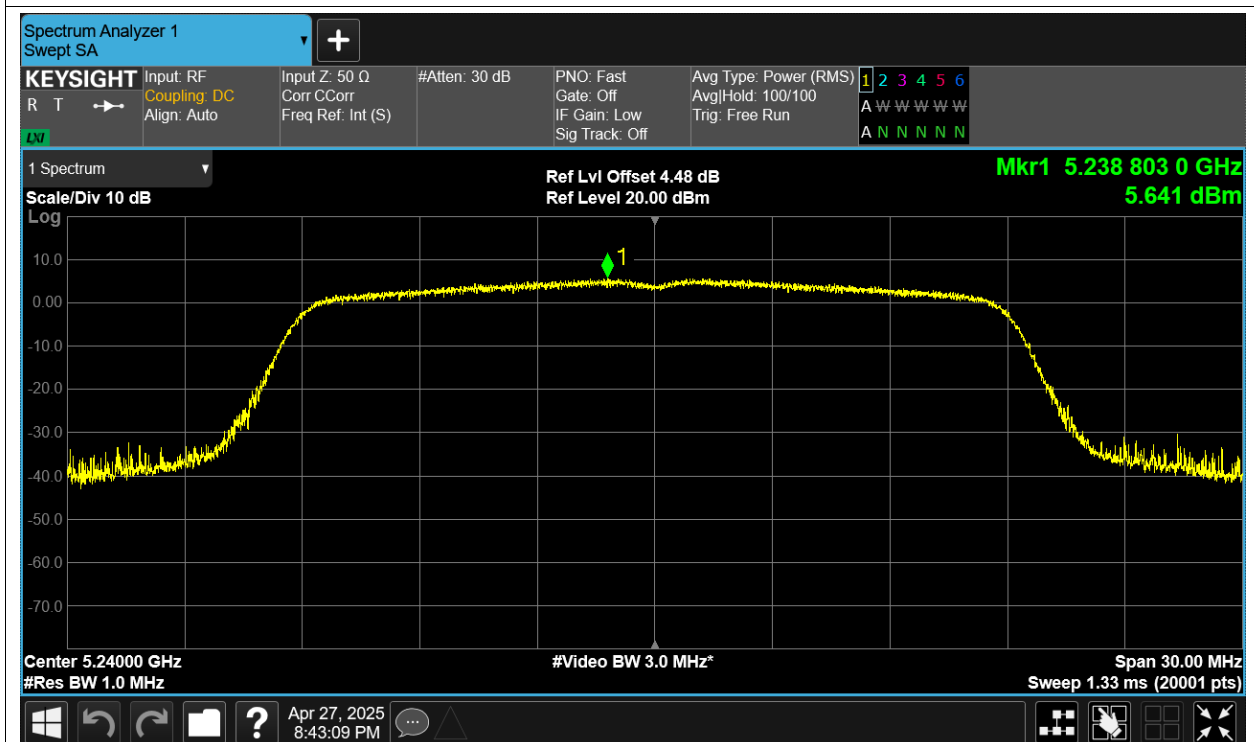
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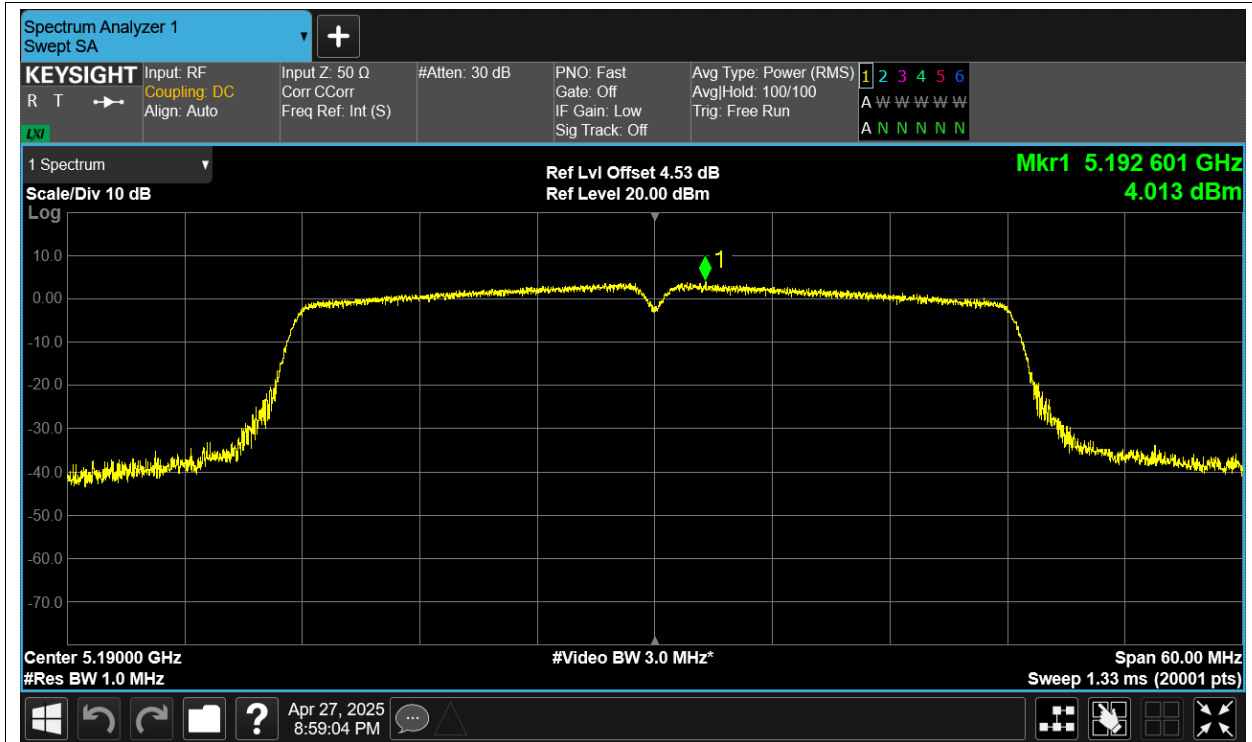
PSD NVNT n20 5200MHz Ant14



PSD NVNT n20 5240MHz Ant14



PSD NVNT n40 5190MHz Ant14



PSD NVNT n40 5230MHz Ant14

