

Test Data

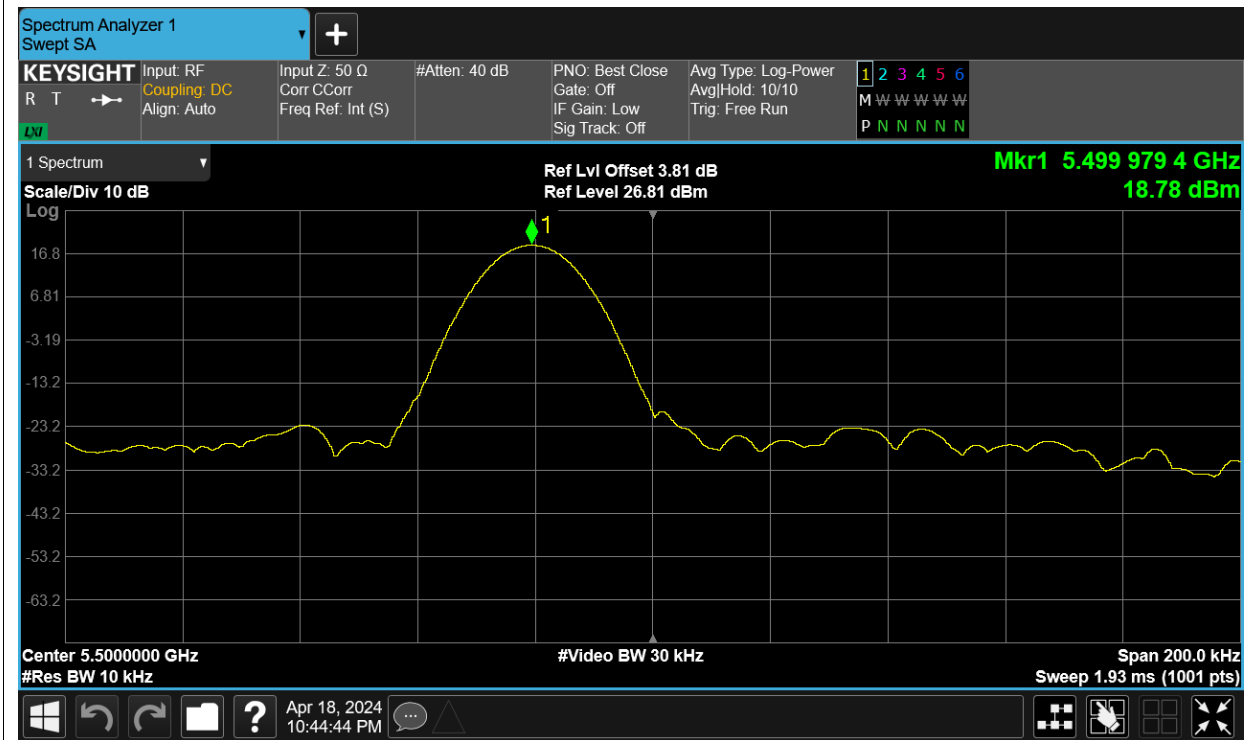
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant1	5499.9794	-3.75	Within authorized band	Pass
LVNT	a	5500	Ant1	5499.9796	-3.71		Pass
NVHT	a	5500	Ant1	5499.9796	-3.71		Pass
NVLT	a	5500	Ant1	5499.9796	-3.71		Pass
NVNT	a	5500	Ant1	5499.9798	-3.67		Pass
HVNT	ac80	5530	Ant1	5529.9792	-3.76		Pass
LVNT	ac80	5530	Ant1	5529.9792	-3.76		Pass
NVHT	ac80	5530	Ant1	5529.9794	-3.73		Pass
NVLT	ac80	5530	Ant1	5529.9796	-3.69		Pass
NVNT	ac80	5530	Ant1	5529.9812	-3.4		Pass
HVNT	n40	5510	Ant1	5509.9792	-3.77		Pass
LVNT	n40	5510	Ant1	5509.9794	-3.74		Pass
NVHT	n40	5510	Ant1	5509.9794	-3.74		Pass
NVLT	n40	5510	Ant1	5509.9796	-3.7		Pass
NVNT	n40	5510	Ant1	5509.9812	-3.41		Pass

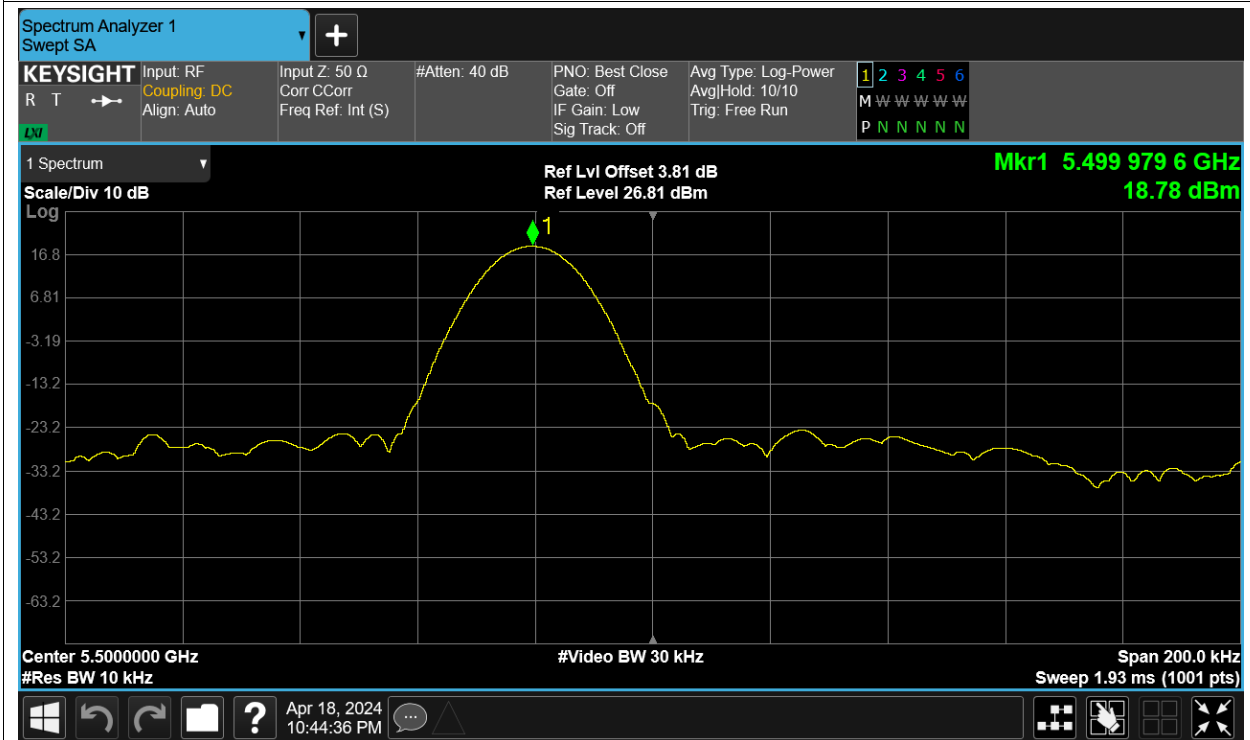
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

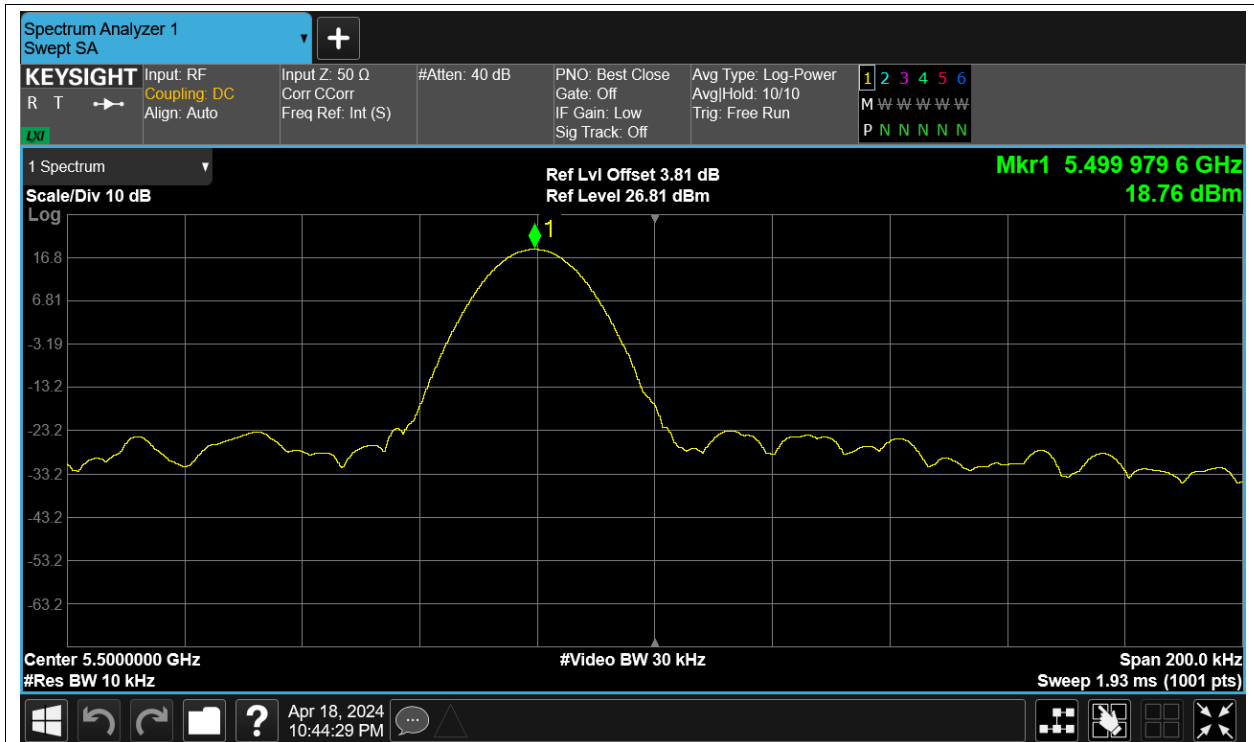
Freq. Stability HVNT a 5500MHz Ant1



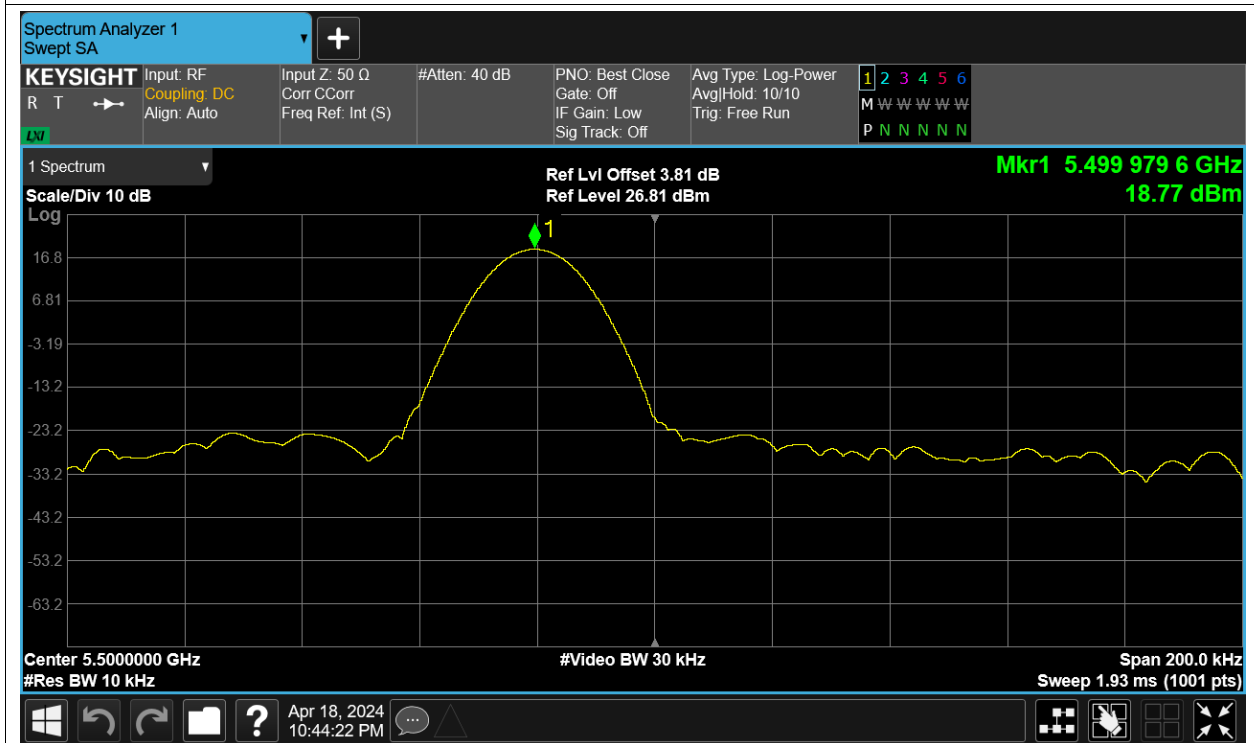
Freq. Stability LVNT a 5500MHz Ant1



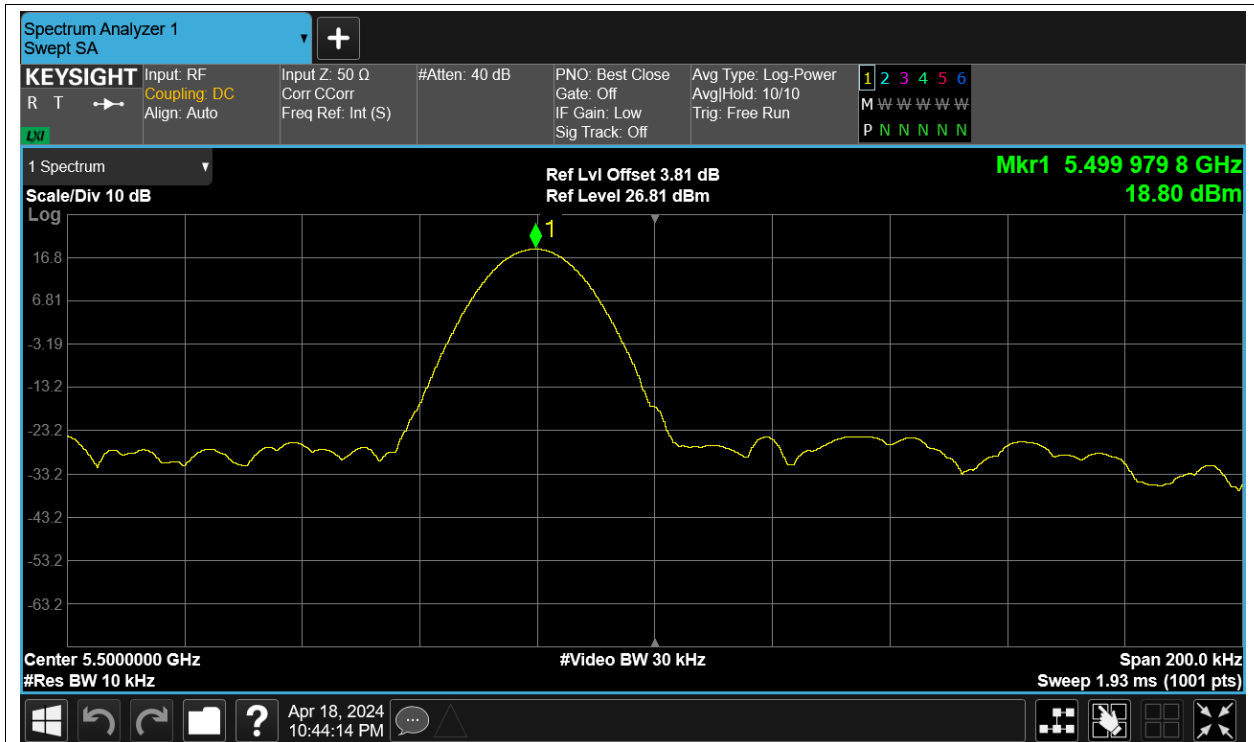
Freq. Stability NVHT a 5500MHz Ant1



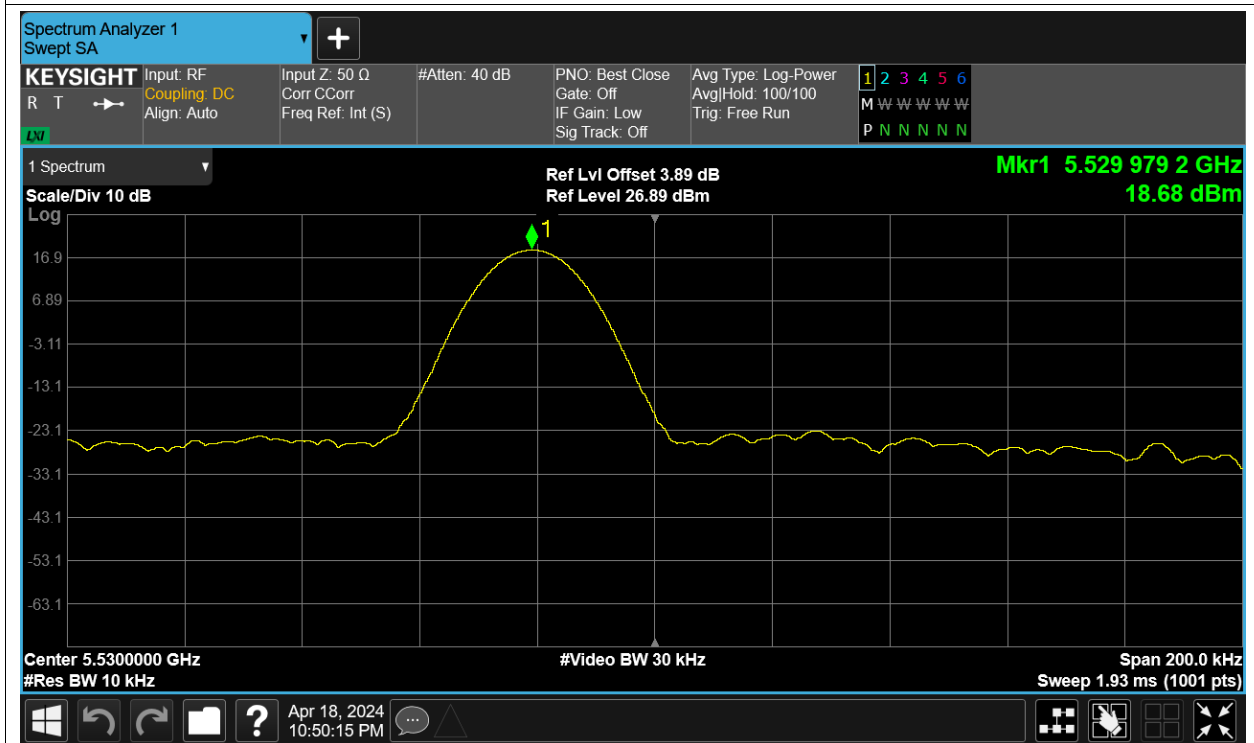
Freq. Stability NVLT a 5500MHz Ant1



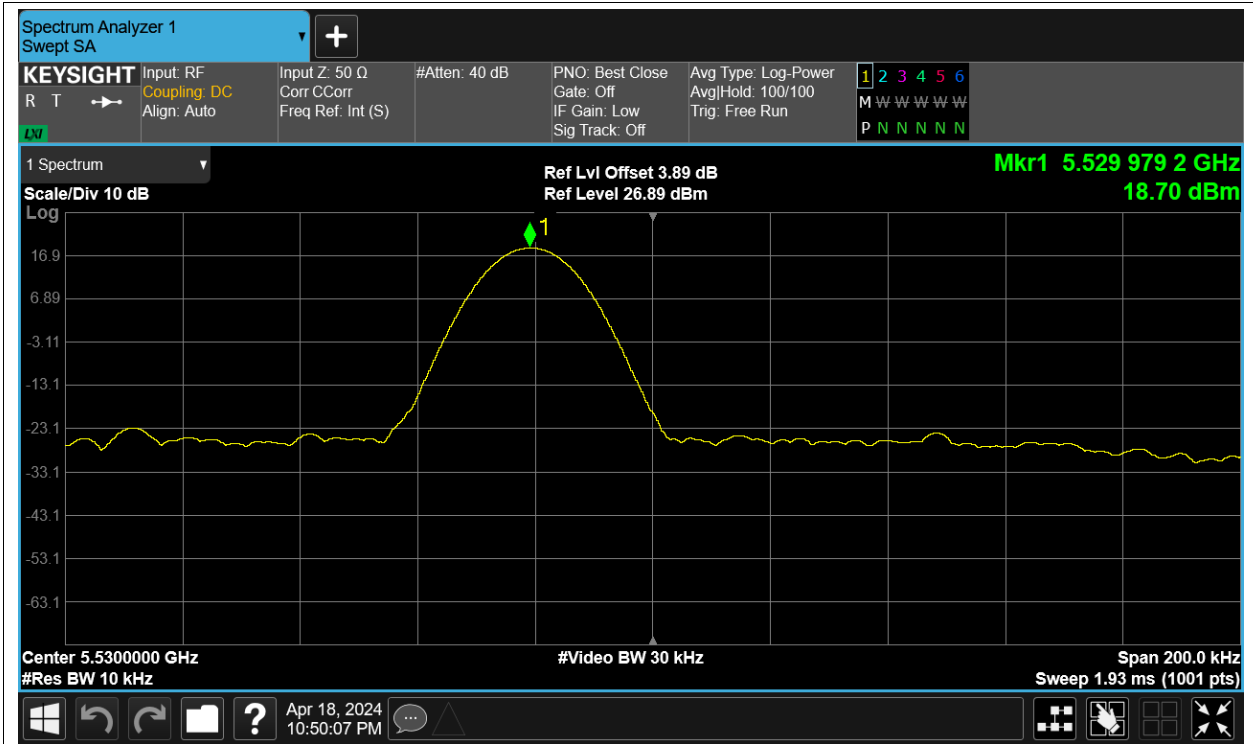
Freq. Stability NVNT a 5500MHz Ant1



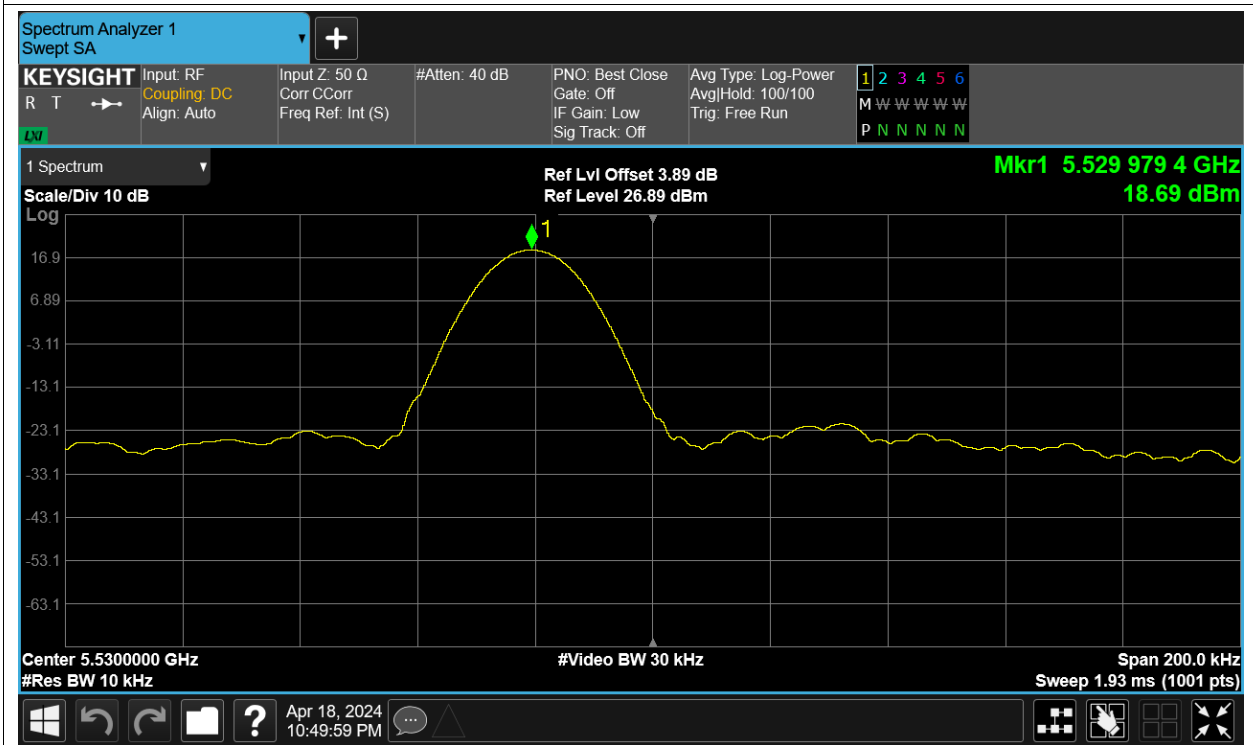
Freq. Stability HVNT ac80 5530MHz Ant1



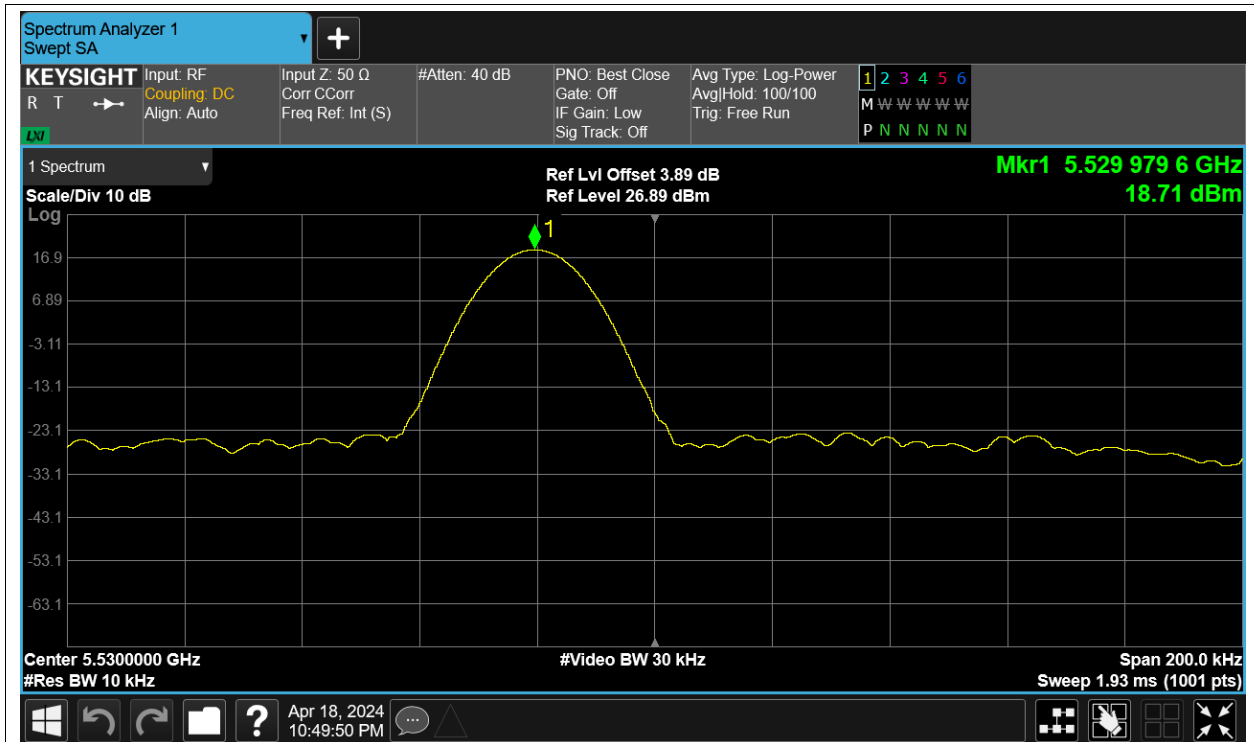
Freq. Stability LVNT ac80 5530MHz Ant1



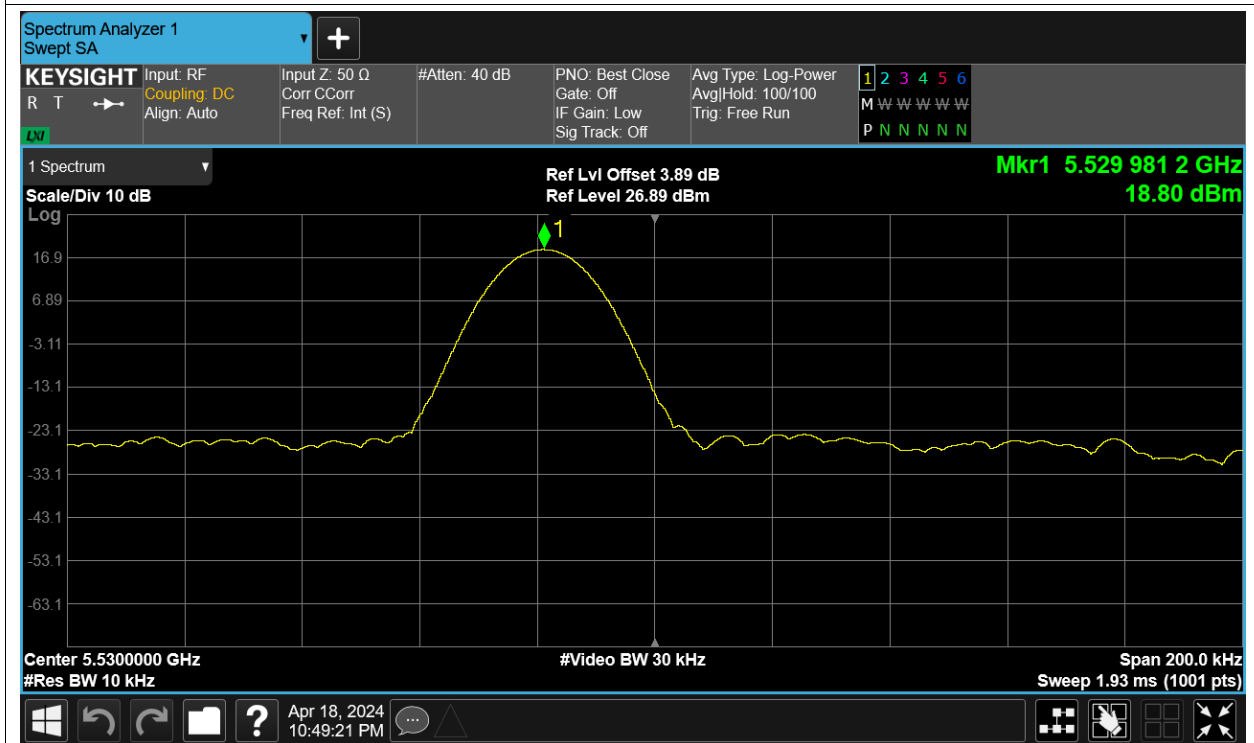
Freq. Stability NVHT ac80 5530MHz Ant1



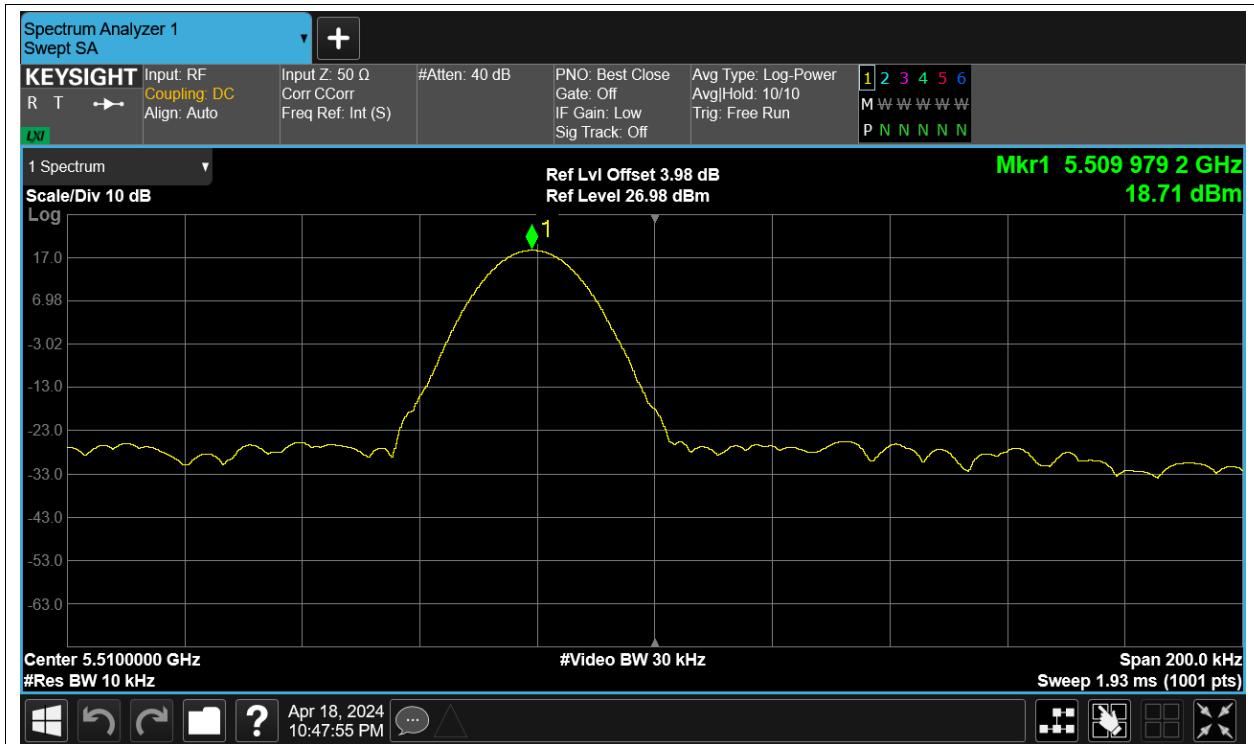
Freq. Stability NVLT ac80 5530MHz Ant1



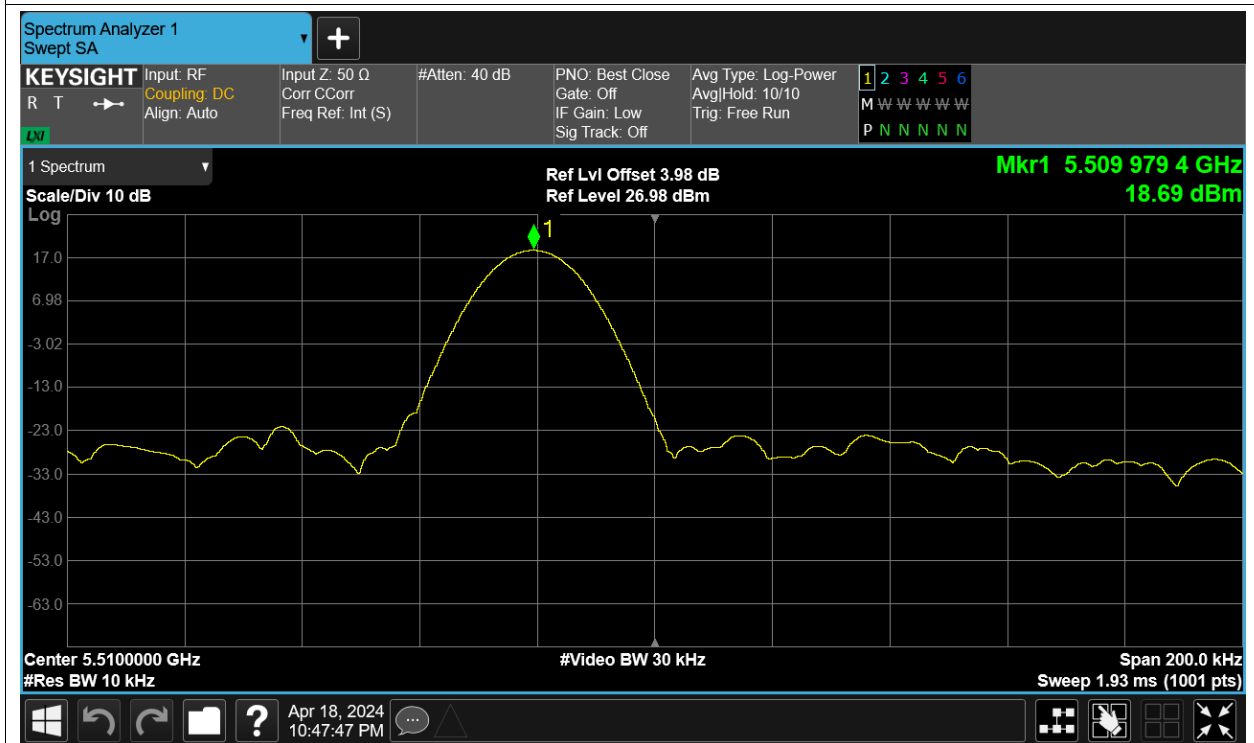
Freq. Stability NVNT ac80 5530MHz Ant1



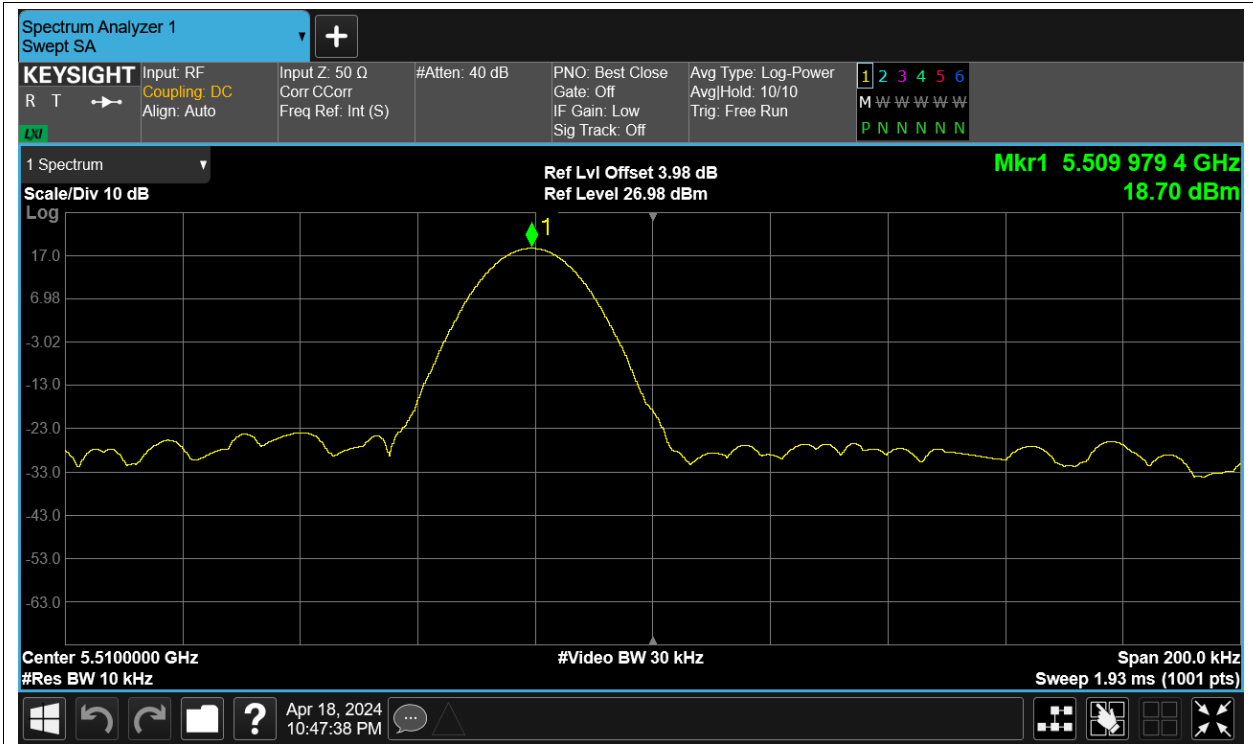
Freq. Stability HVNT n40 5510MHz Ant1



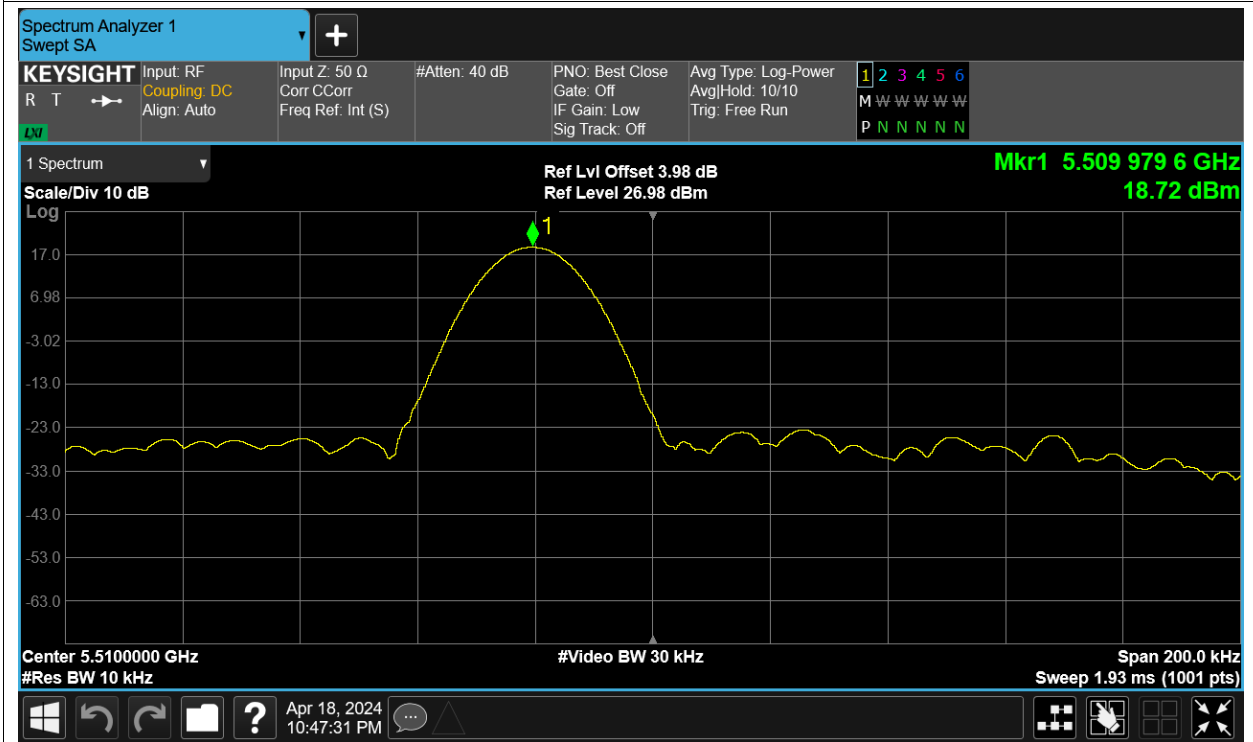
Freq. Stability LVNT n40 5510MHz Ant1



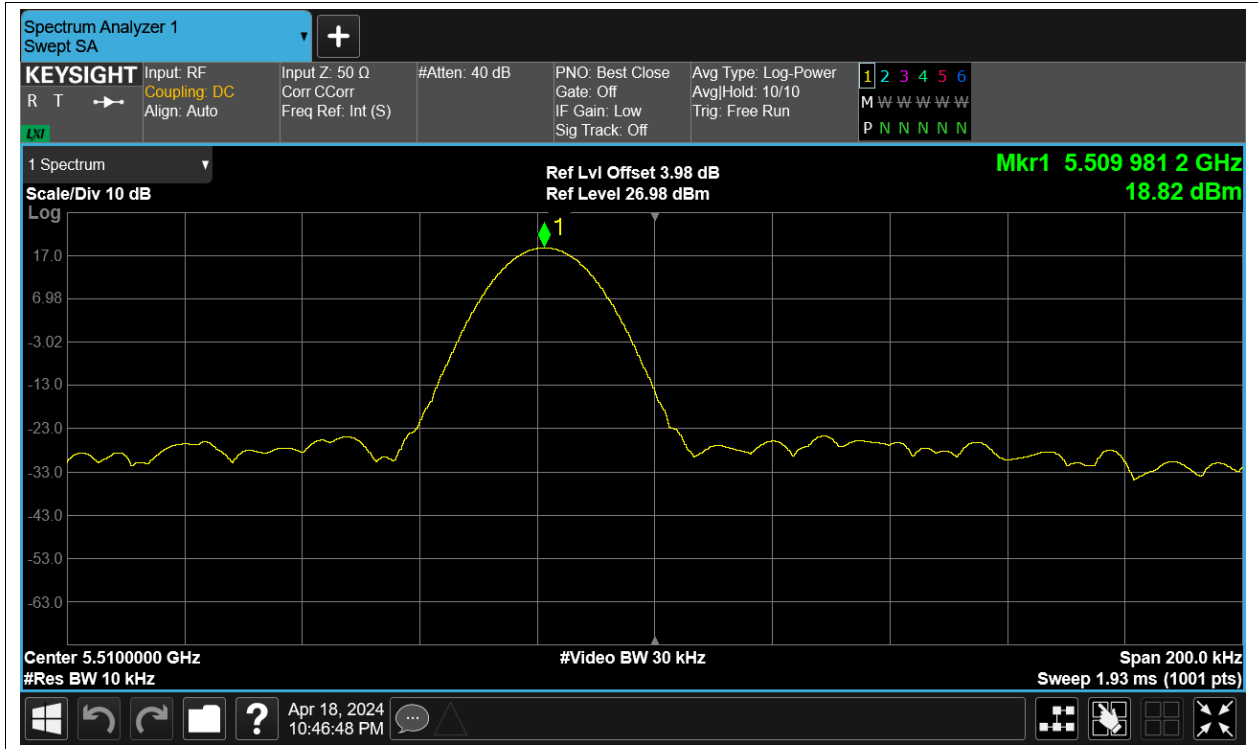
Freq. Stability NVHT n40 5510MHz Ant1



Freq. Stability NVLT n40 5510MHz Ant1

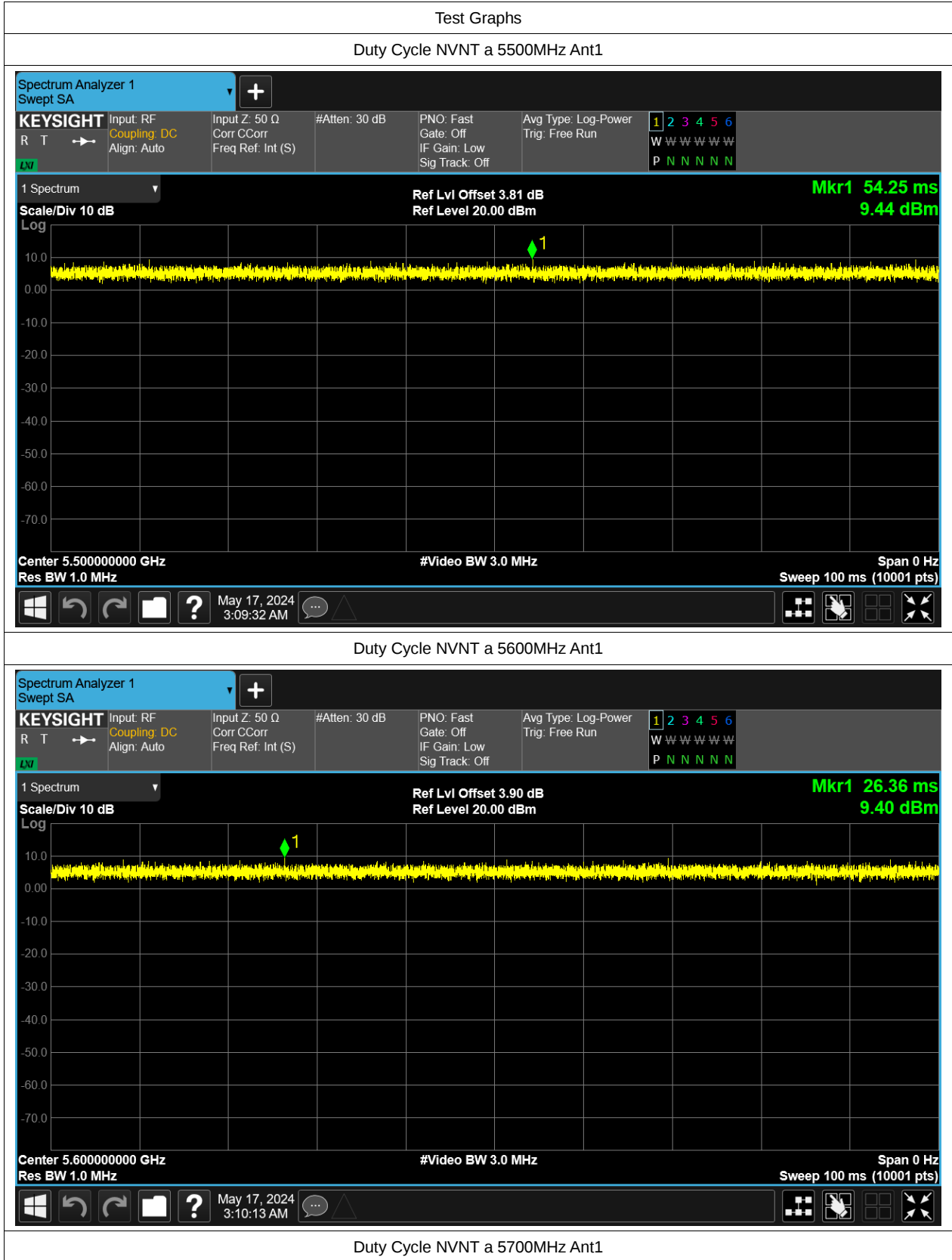


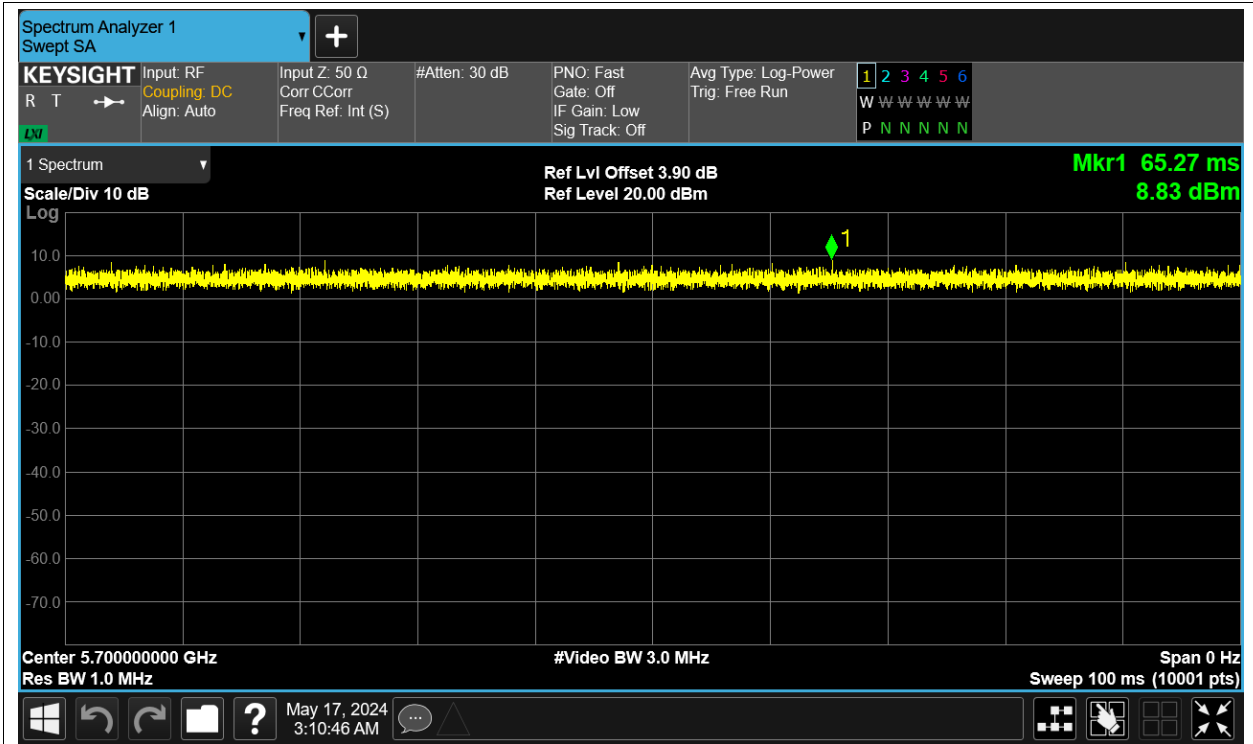
Freq. Stability NVNT n40 5510MHz Ant1



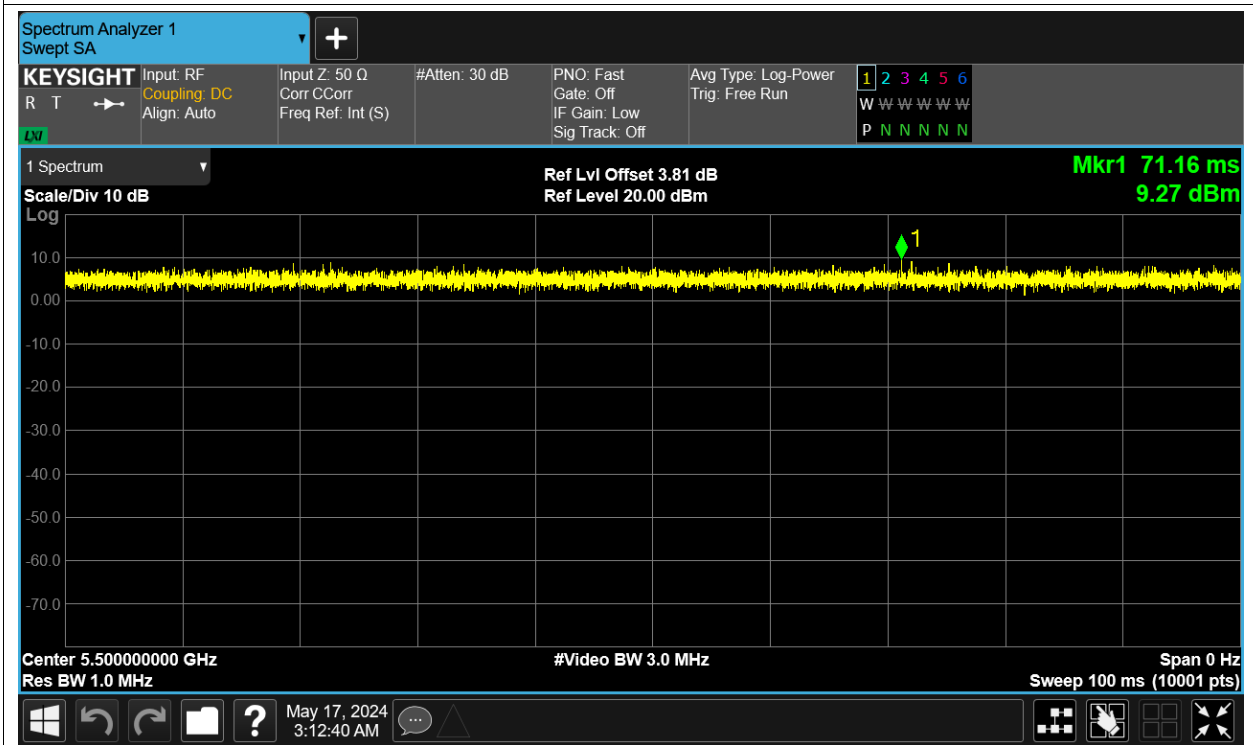
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant1	100	0
NVNT	a	5600	Ant1	100	0
NVNT	a	5700	Ant1	100	0
NVNT	ac20	5500	Ant1	100	0
NVNT	ac20	5600	Ant1	100	0
NVNT	ac20	5700	Ant1	100	0
NVNT	ac40	5510	Ant1	100	0
NVNT	ac40	5590	Ant1	100	0
NVNT	ac40	5670	Ant1	100	0
NVNT	ac80	5530	Ant1	100	0
NVNT	ac80	5610	Ant1	100	0
NVNT	n20	5500	Ant1	100	0
NVNT	n20	5600	Ant1	100	0
NVNT	n20	5700	Ant1	100	0
NVNT	n40	5510	Ant1	100	0
NVNT	n40	5590	Ant1	100	0
NVNT	n40	5670	Ant1	100	0

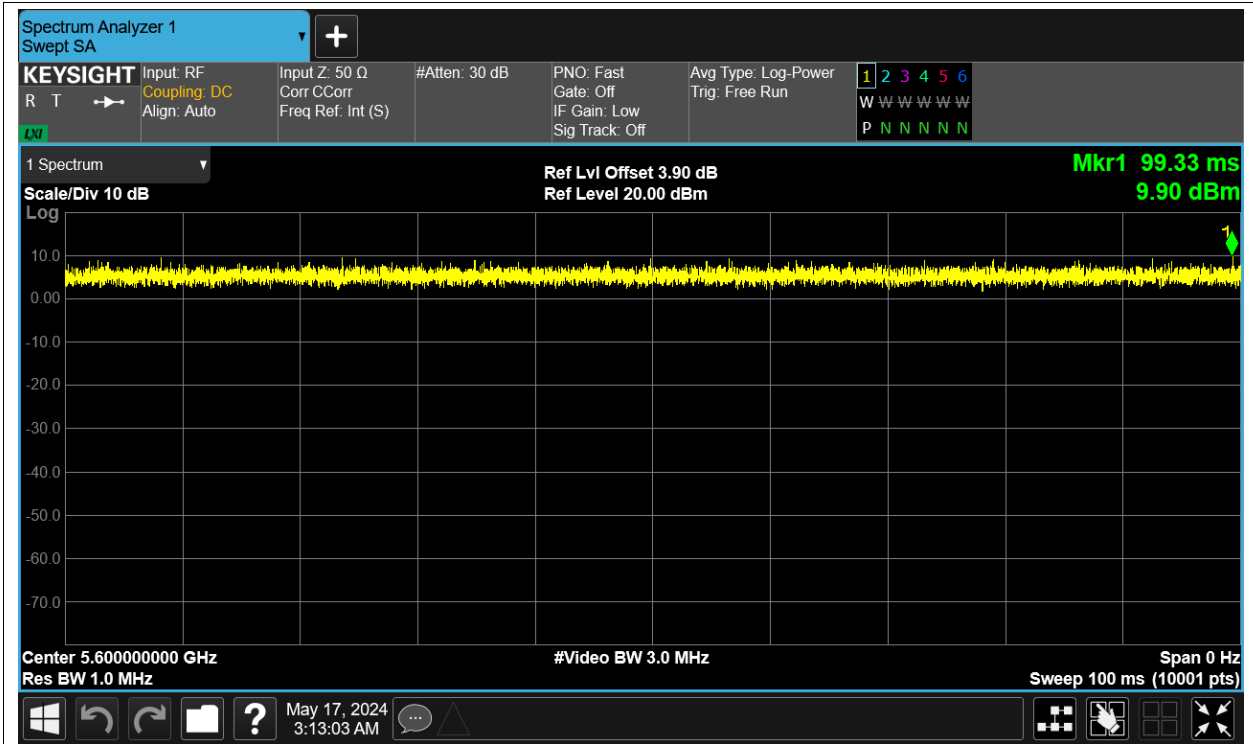




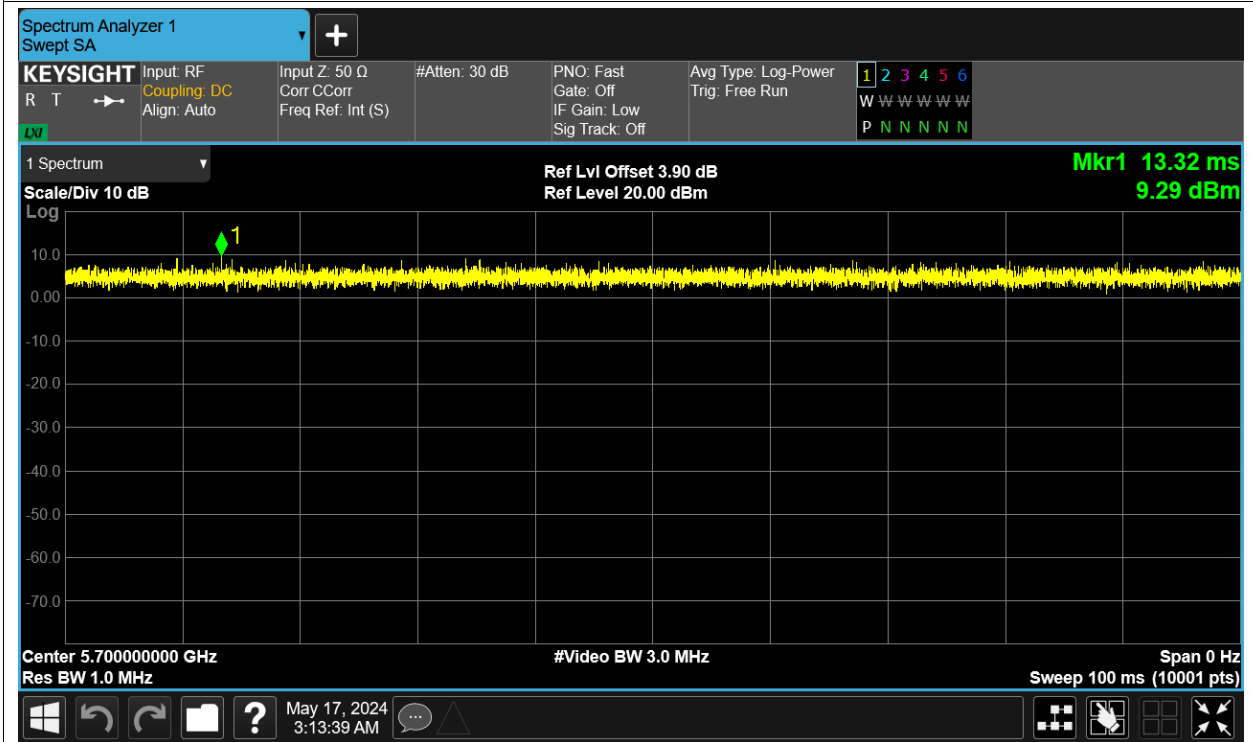
Duty Cycle NVNT ac20 5500MHz Ant1



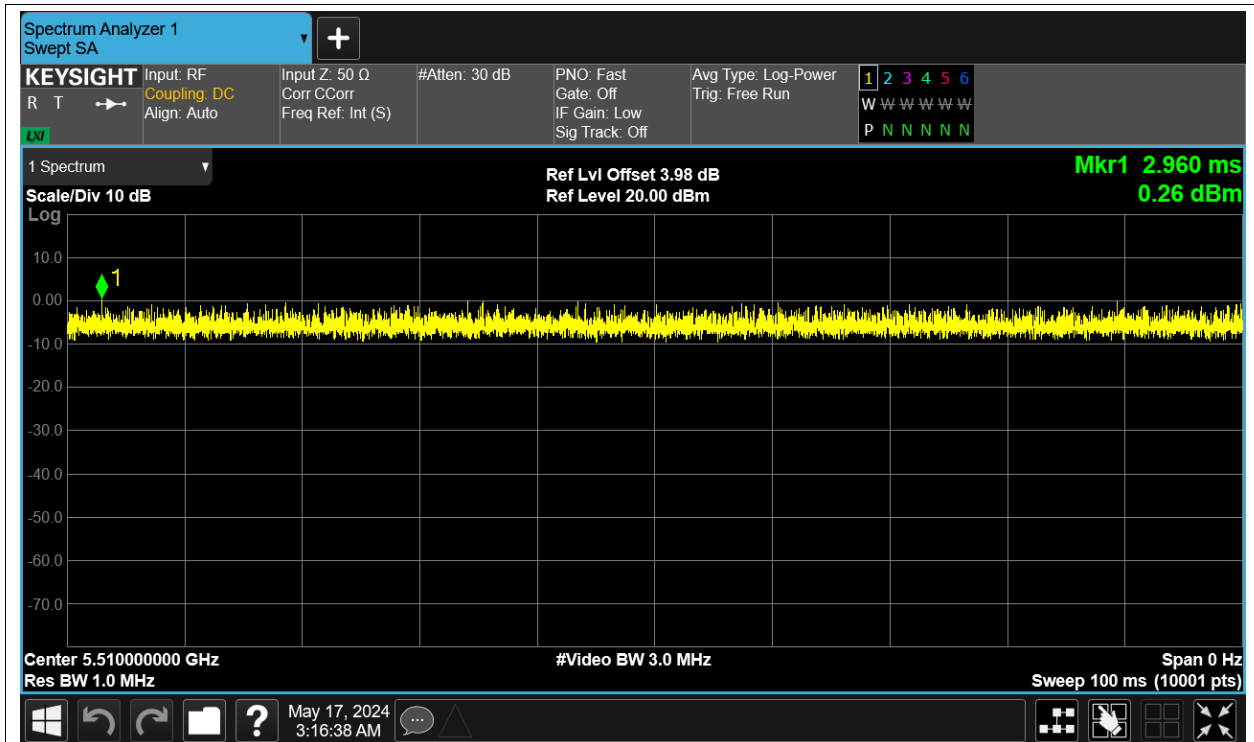
Duty Cycle NVNT ac20 5600MHz Ant1



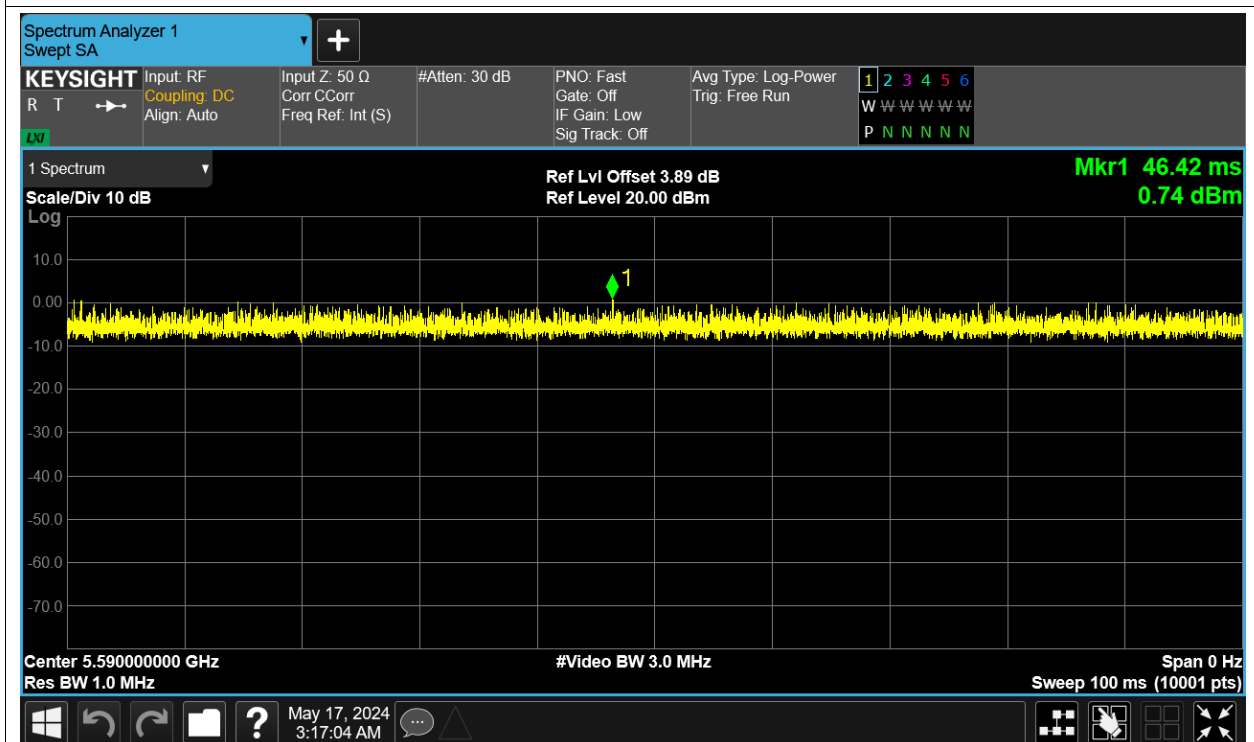
Duty Cycle NVNT ac20 5700MHz Ant1



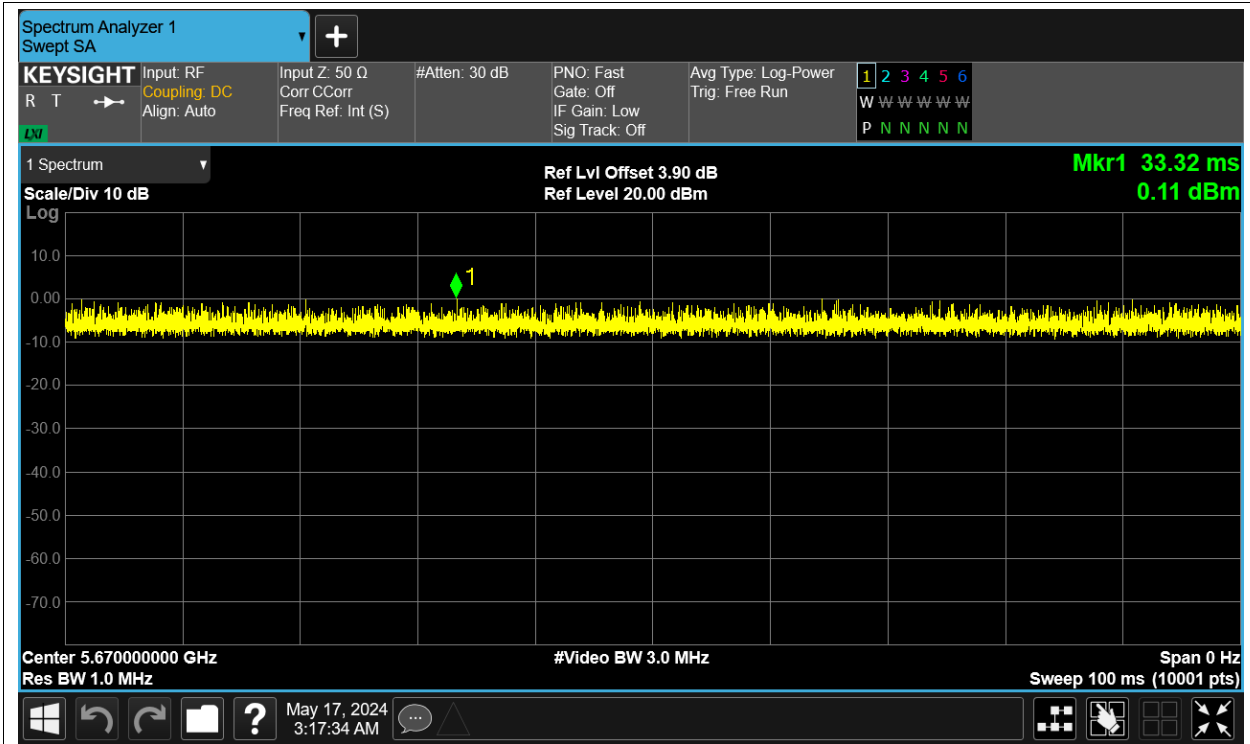
Duty Cycle NVNT ac40 5510MHz Ant1



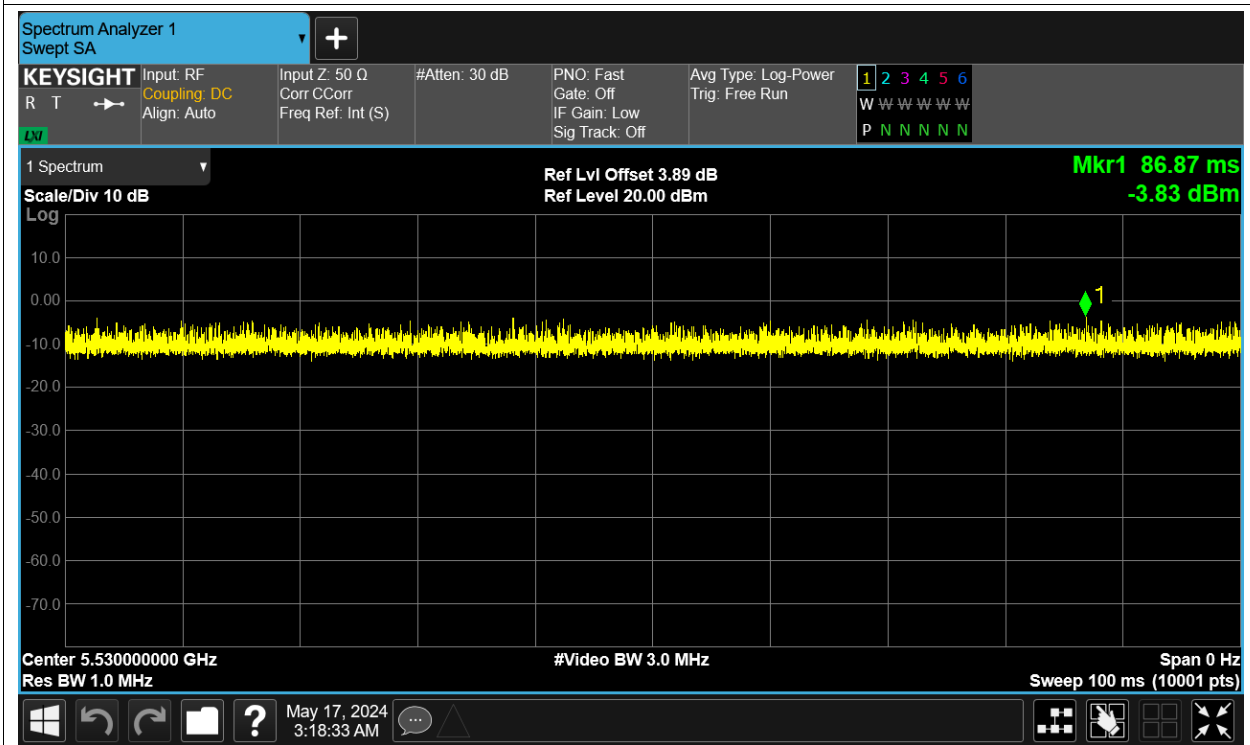
Duty Cycle NVNT ac40 5590MHz Ant1



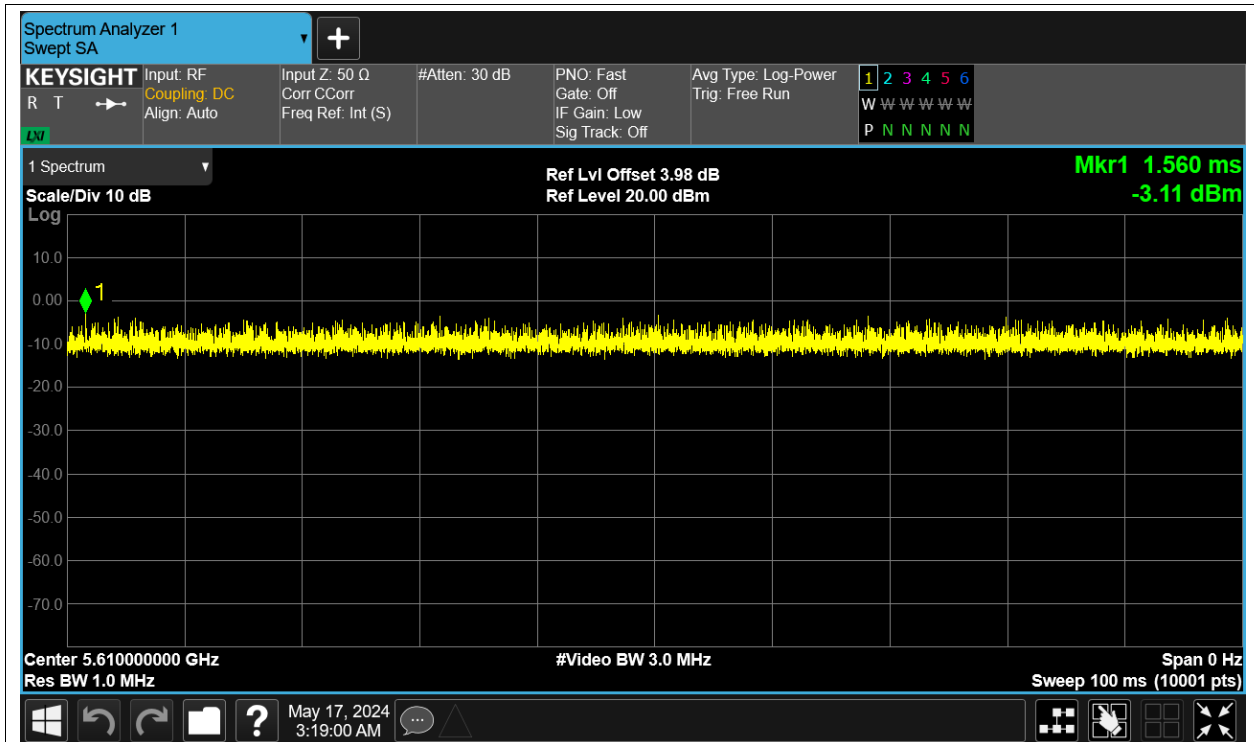
Duty Cycle NVNT ac40 5670MHz Ant1



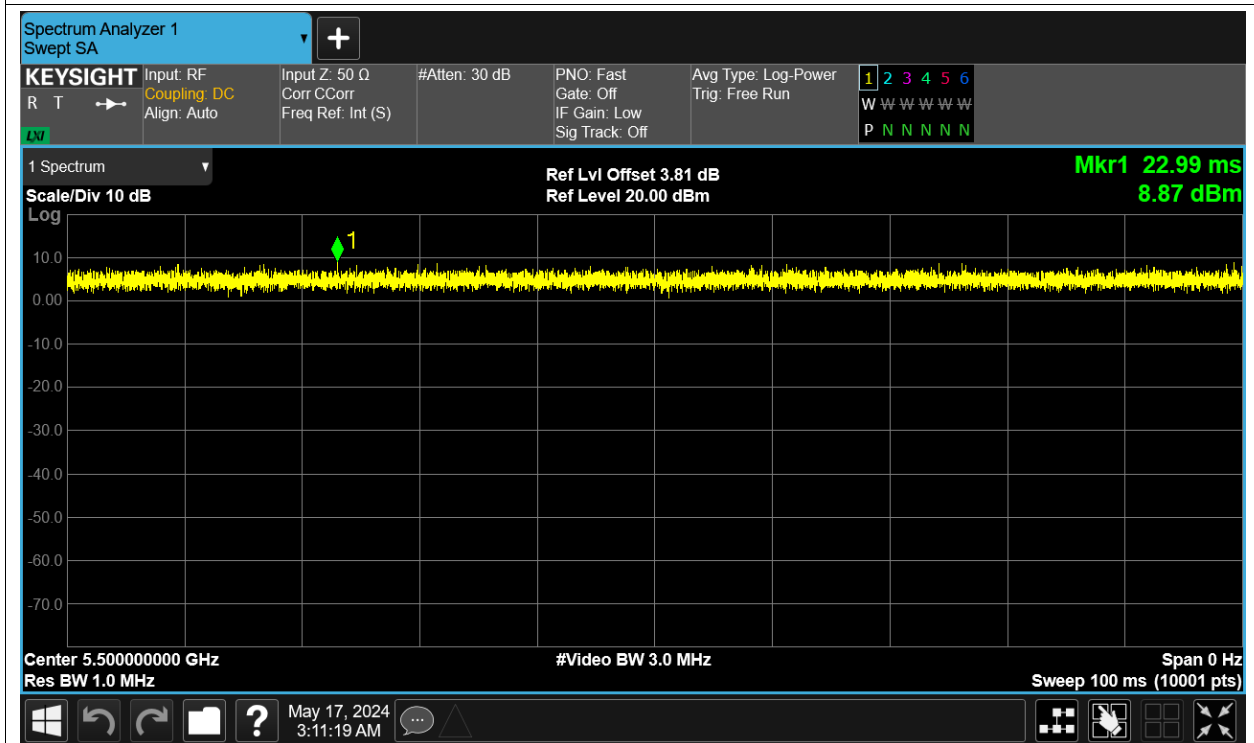
Duty Cycle NVNT ac80 5530MHz Ant1



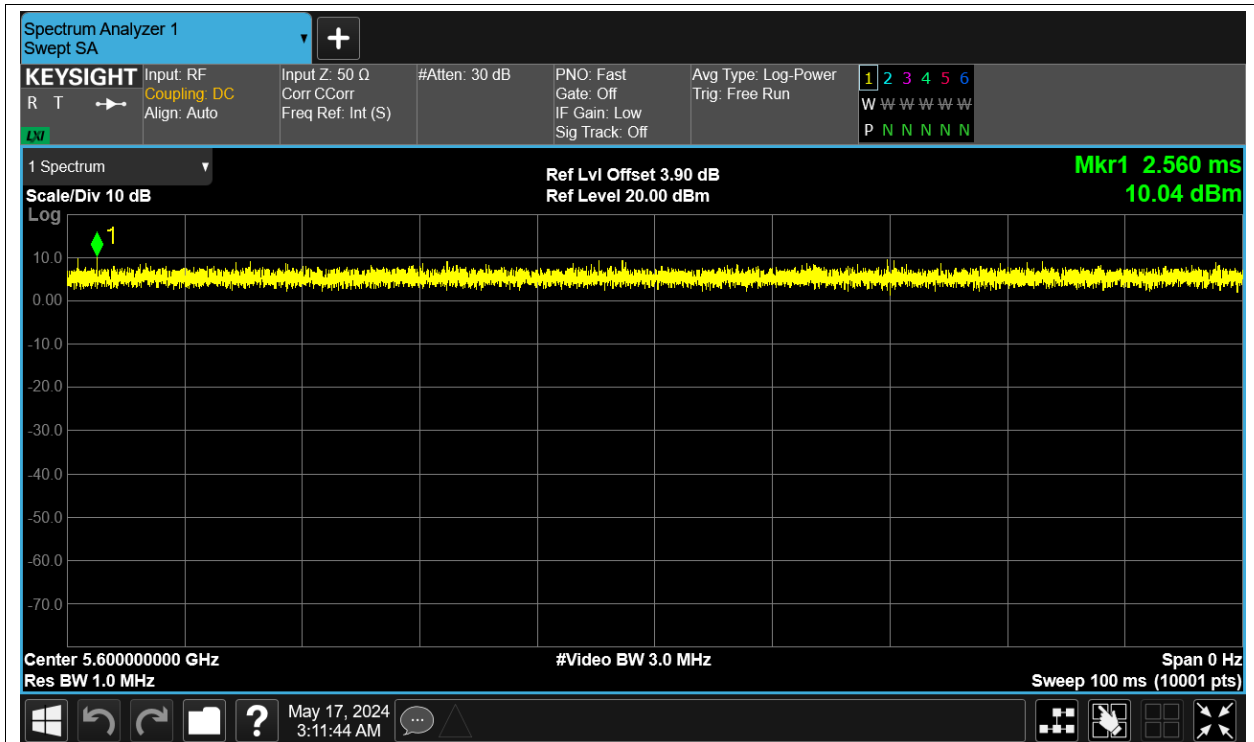
Duty Cycle NVNT ac80 5610MHz Ant1



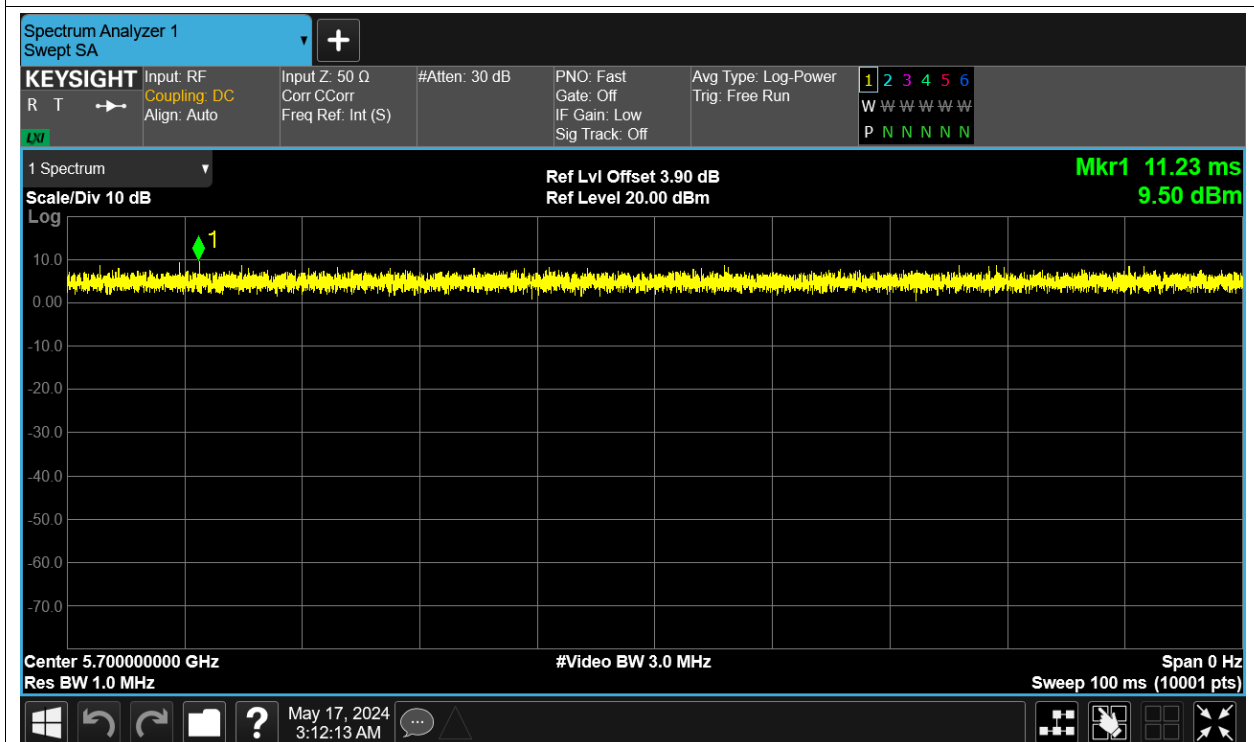
Duty Cycle NVNT n20 5500MHz Ant1



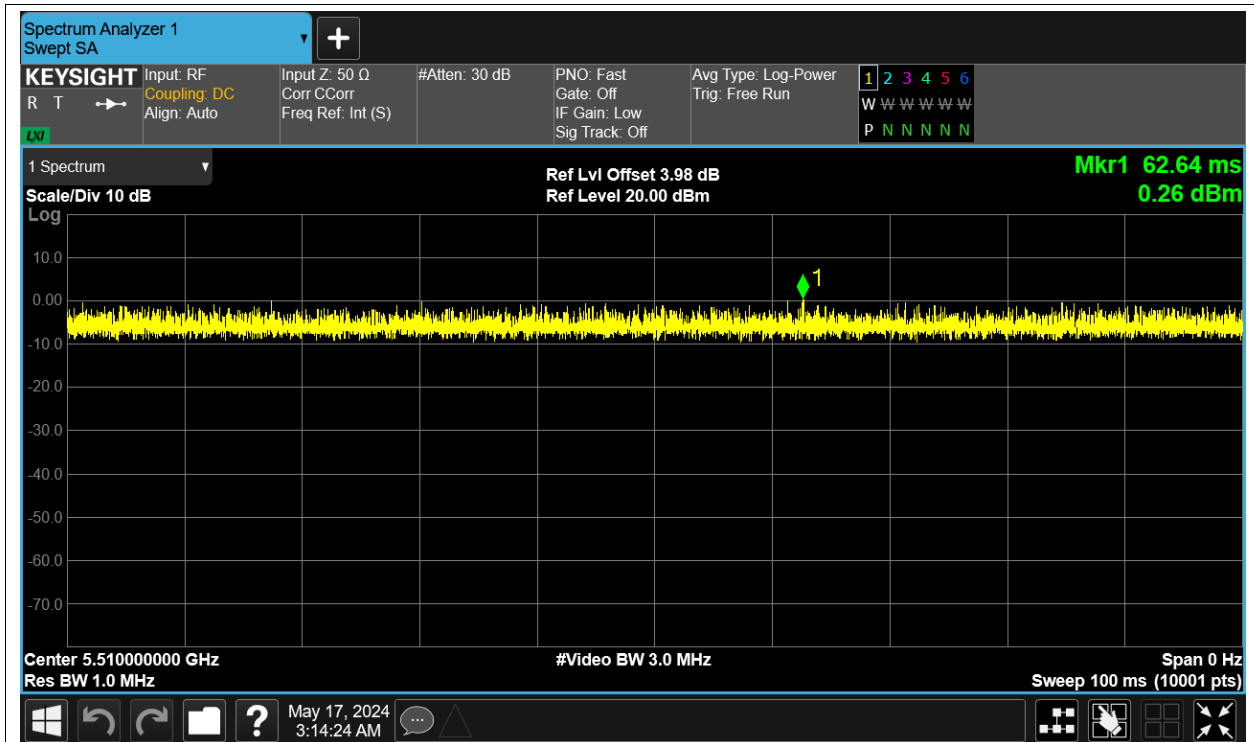
Duty Cycle NVNT n20 5600MHz Ant1



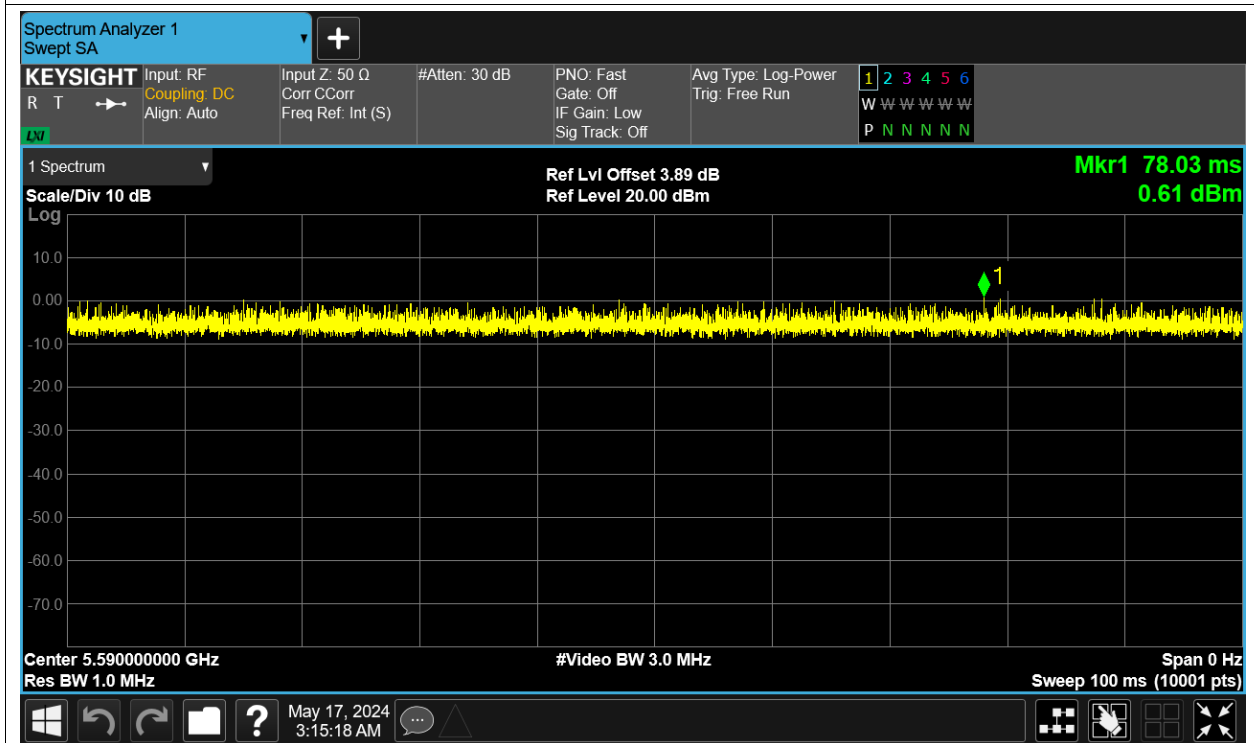
Duty Cycle NVNT n20 5700MHz Ant1



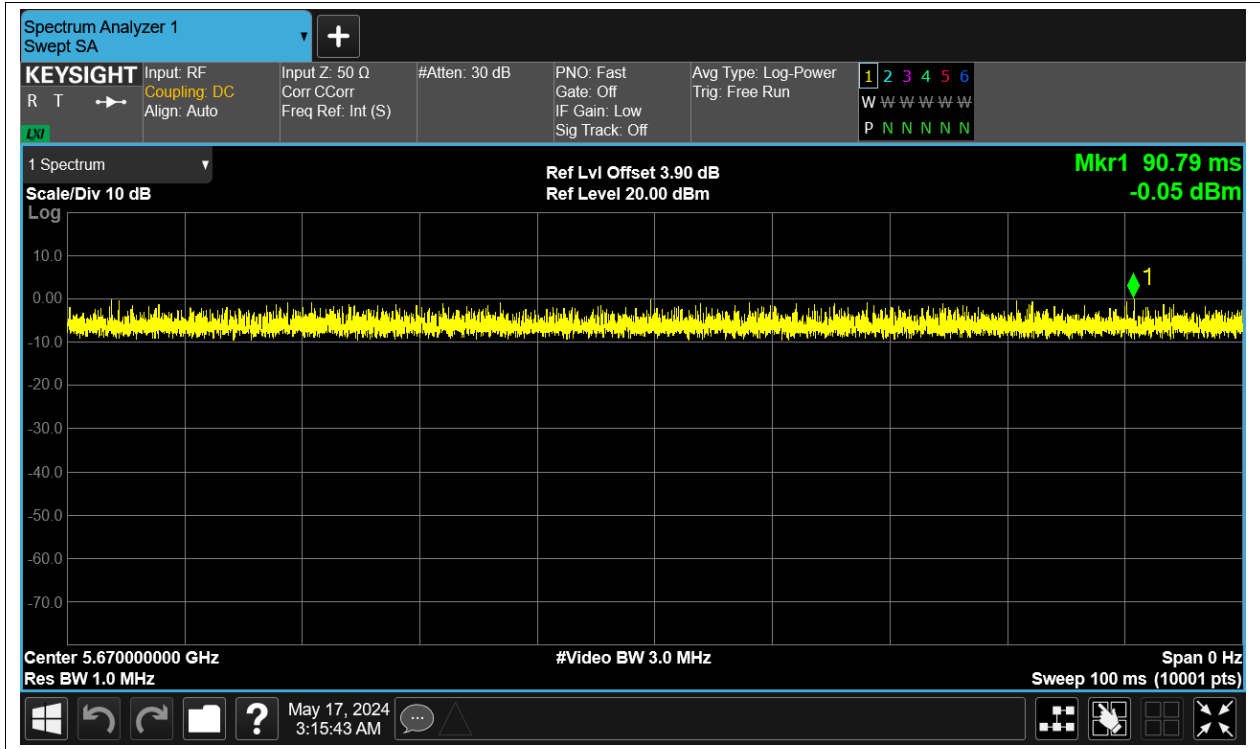
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



Maximum Conducted Output Power

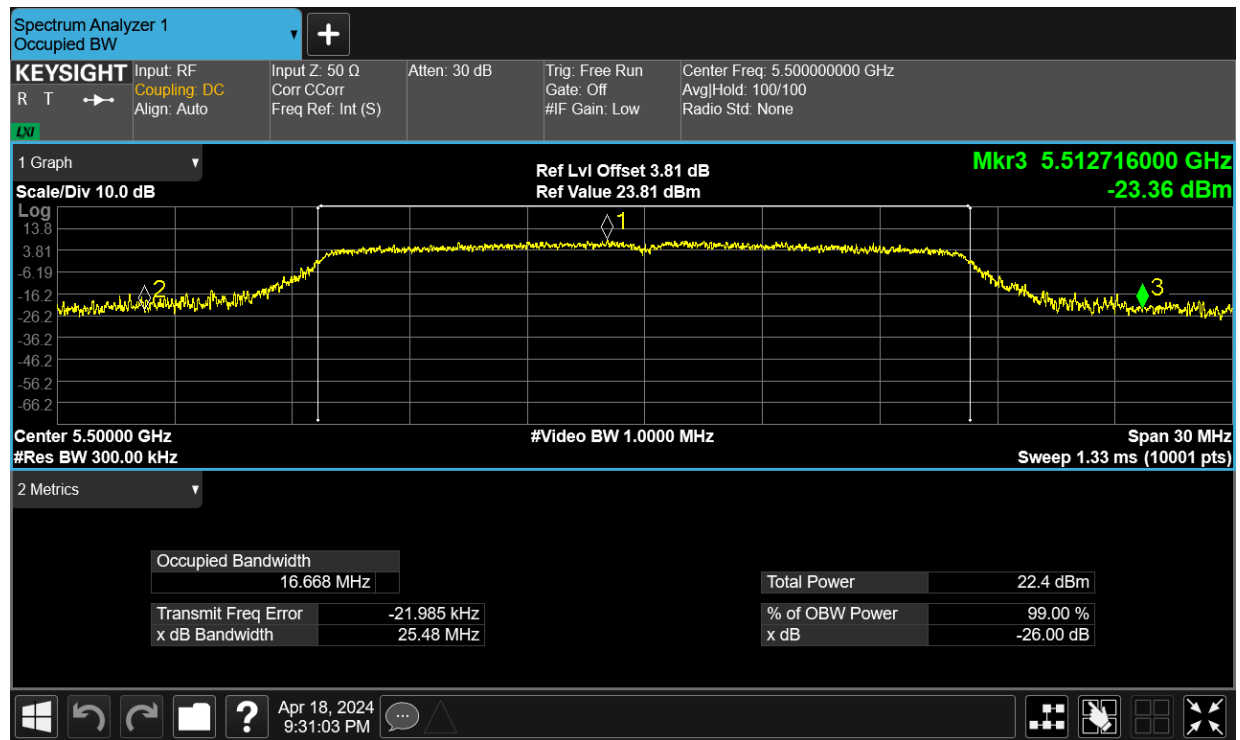
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	12.53	0	12.53	24	Pass
NVNT	a	5600	Ant1	11.9	0	11.9	24	Pass
NVNT	a	5700	Ant1	11.45	0	11.45	24	Pass
NVNT	ac20	5500	Ant1	12.42	0	12.42	24	Pass
NVNT	ac20	5600	Ant1	12.21	0	12.21	24	Pass
NVNT	ac20	5700	Ant1	11.78	0	11.78	24	Pass
NVNT	ac40	5510	Ant1	8.66	0	8.66	24	Pass
NVNT	ac40	5590	Ant1	8.45	0	8.45	24	Pass
NVNT	ac40	5670	Ant1	7.86	0	7.86	24	Pass
NVNT	ac80	5530	Ant1	7.27	0	7.27	24	Pass
NVNT	ac80	5610	Ant1	7.03	0	7.03	24	Pass
NVNT	n20	5500	Ant1	12.35	0	12.35	24	Pass
NVNT	n20	5600	Ant1	12.24	0	12.24	24	Pass
NVNT	n20	5700	Ant1	11.75	0	11.75	24	Pass
NVNT	n40	5510	Ant1	8.66	0	8.66	24	Pass
NVNT	n40	5590	Ant1	8.47	0	8.47	24	Pass
NVNT	n40	5670	Ant1	7.5	0	7.5	24	Pass

-26dB Bandwidth

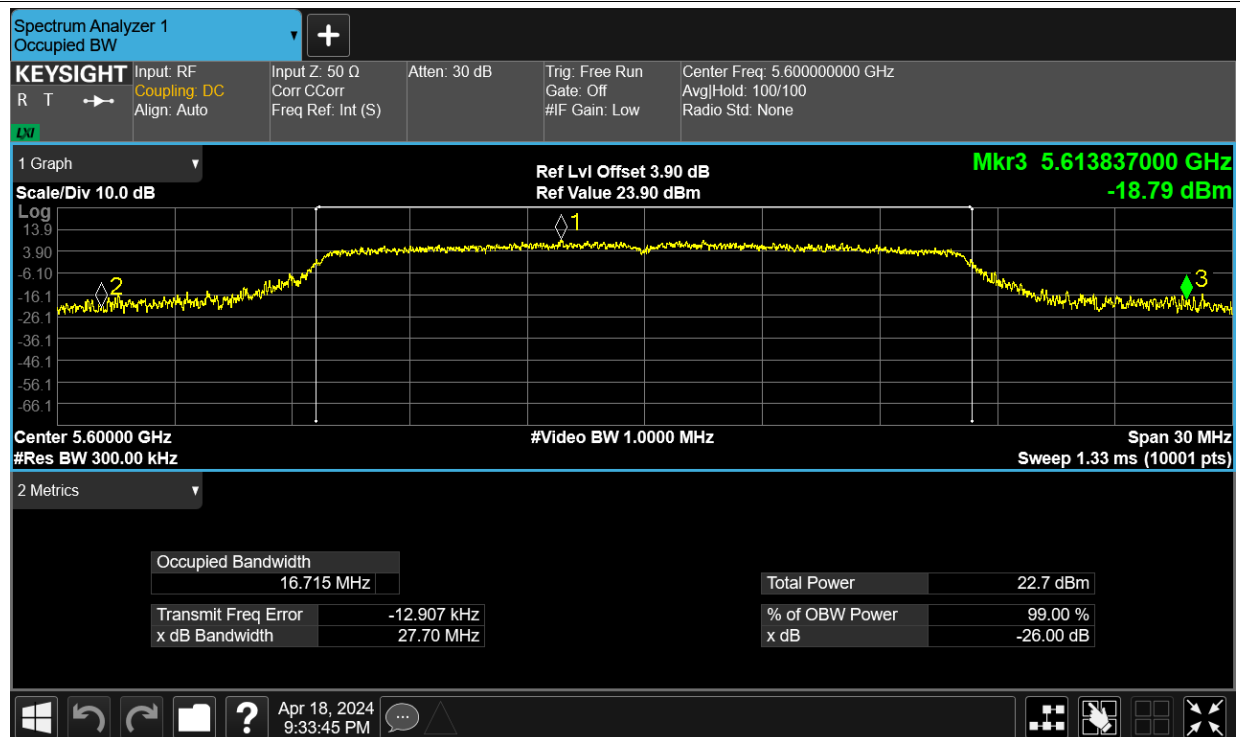
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	25.476
NVNT	a	5600	Ant1	27.7
NVNT	a	5700	Ant1	24.589
NVNT	ac20	5500	Ant1	20.31
NVNT	ac20	5600	Ant1	20.3
NVNT	ac20	5700	Ant1	20.074
NVNT	ac40	5510	Ant1	39.692
NVNT	ac40	5590	Ant1	40.078
NVNT	ac40	5670	Ant1	39.493
NVNT	ac80	5530	Ant1	79.314
NVNT	ac80	5610	Ant1	79.447
NVNT	n20	5500	Ant1	20.559
NVNT	n20	5600	Ant1	23.045
NVNT	n20	5700	Ant1	26.769
NVNT	n40	5510	Ant1	39.895
NVNT	n40	5590	Ant1	39.946
NVNT	n40	5670	Ant1	40.613

Test Graphs

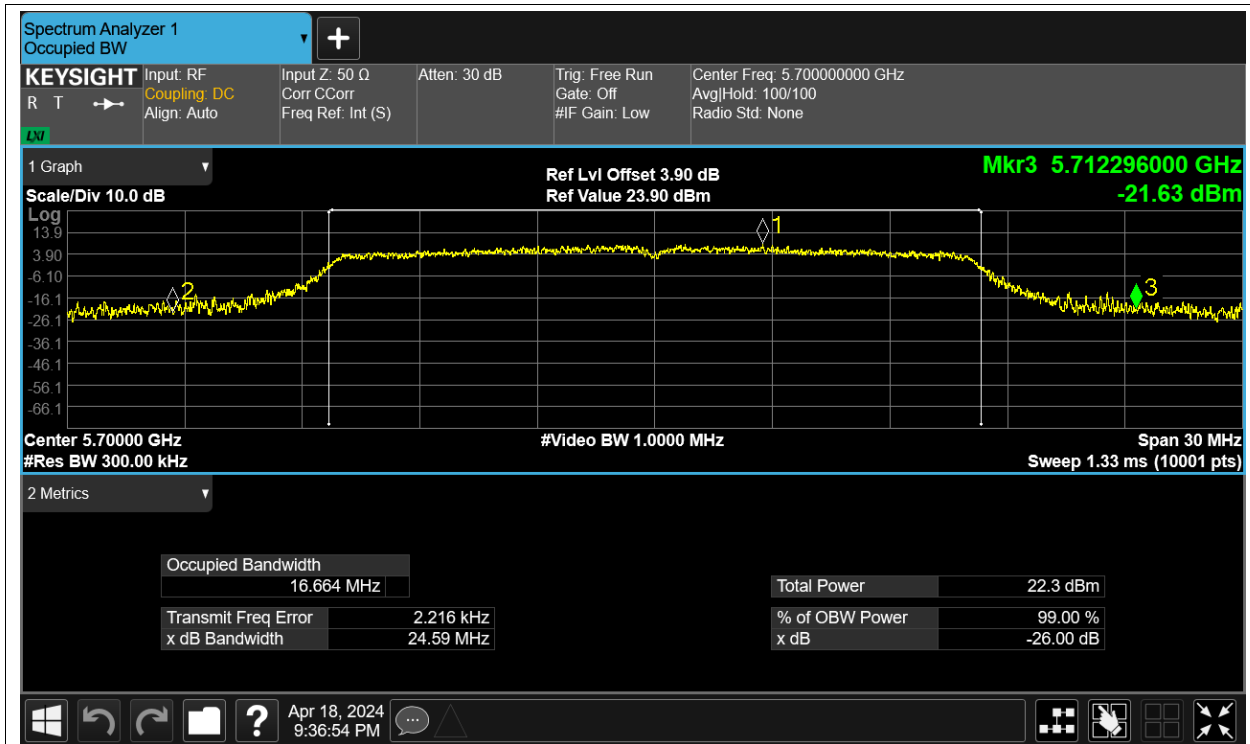
-26dB Bandwidth NVNT a 5500MHz Ant1



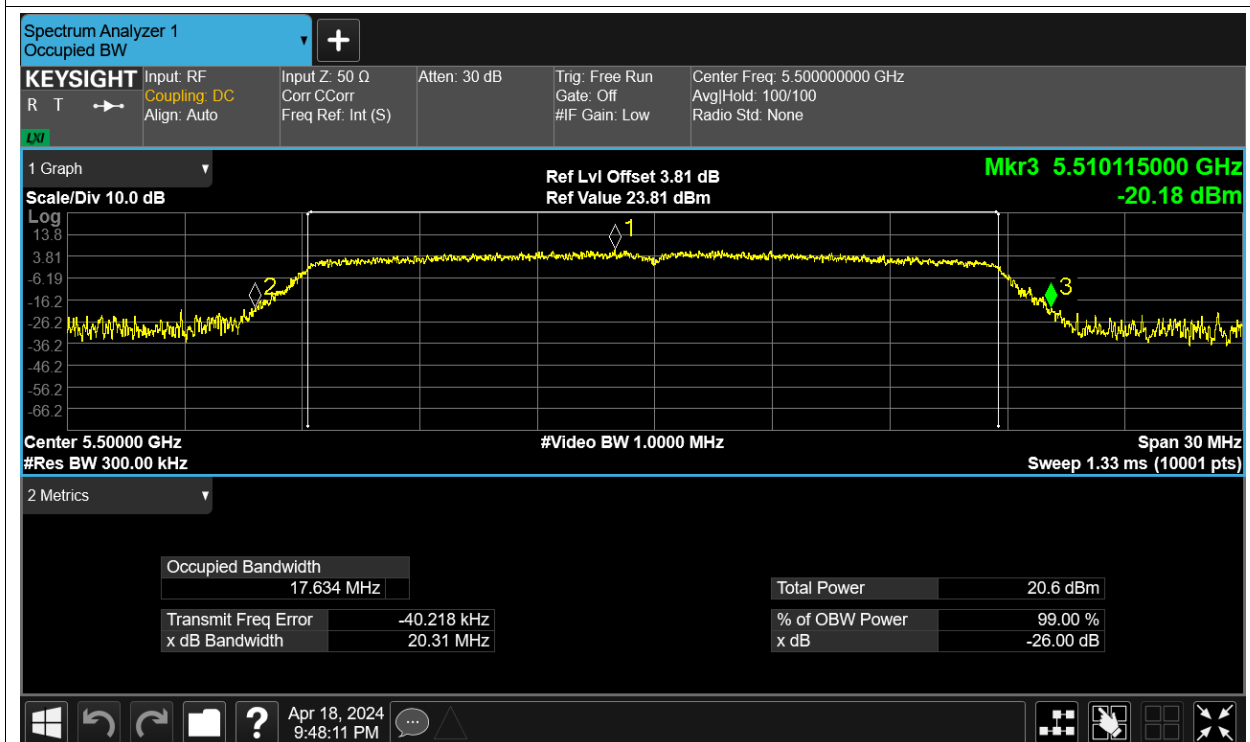
-26dB Bandwidth NVNT a 5600MHz Ant1



-26dB Bandwidth NVNT a 5700MHz Ant1



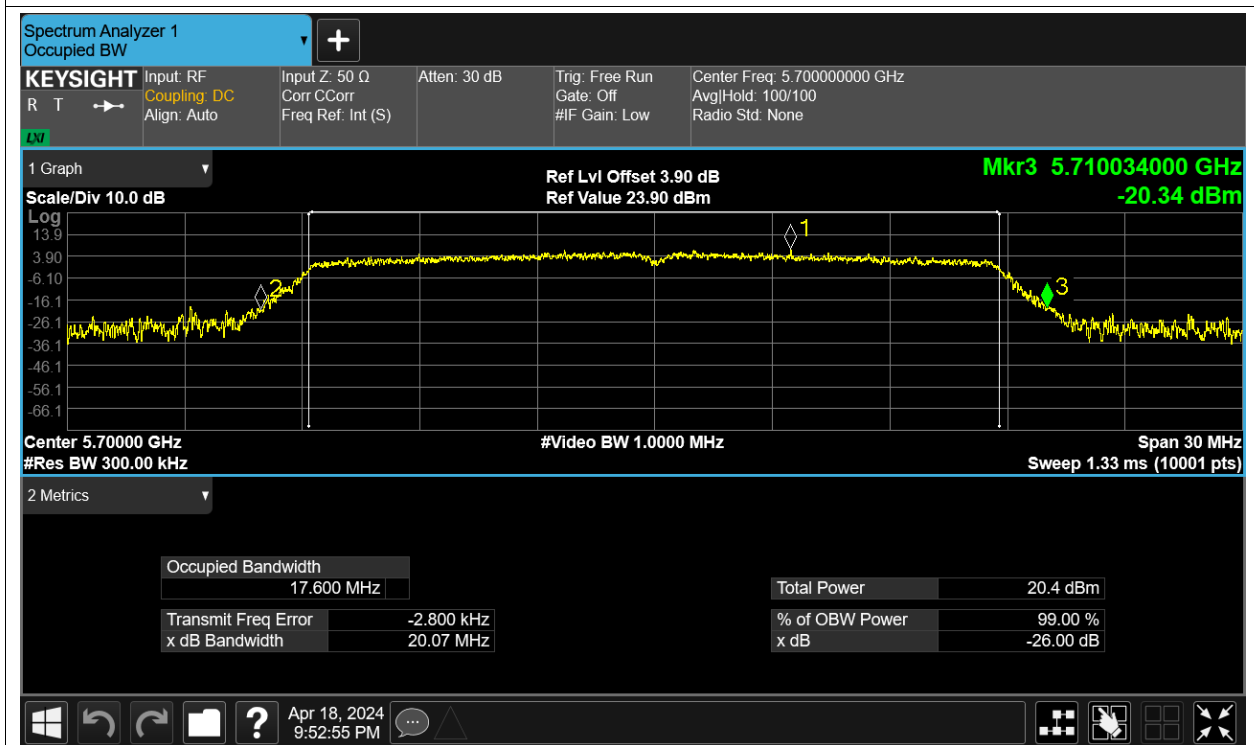
-26dB Bandwidth NVNT ac20 5500MHz Ant1



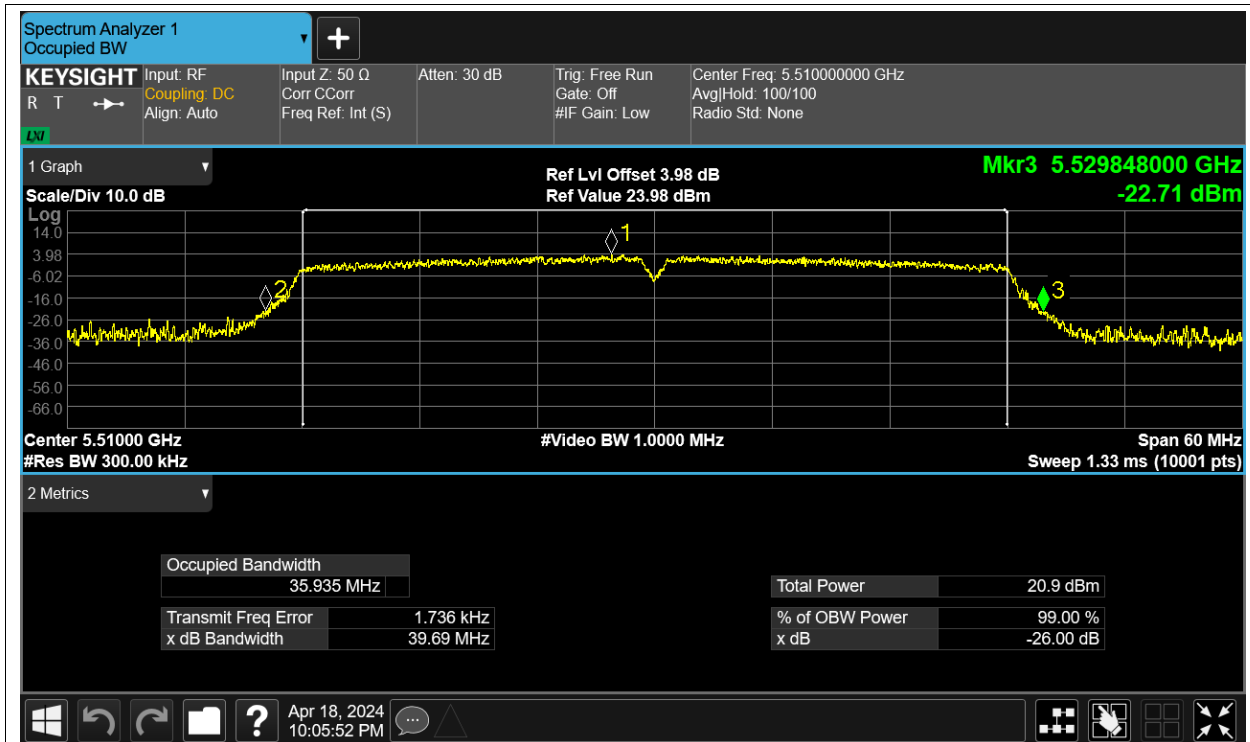
-26dB Bandwidth NVNT ac20 5600MHz Ant1



-26dB Bandwidth NVNT ac20 5700MHz Ant1



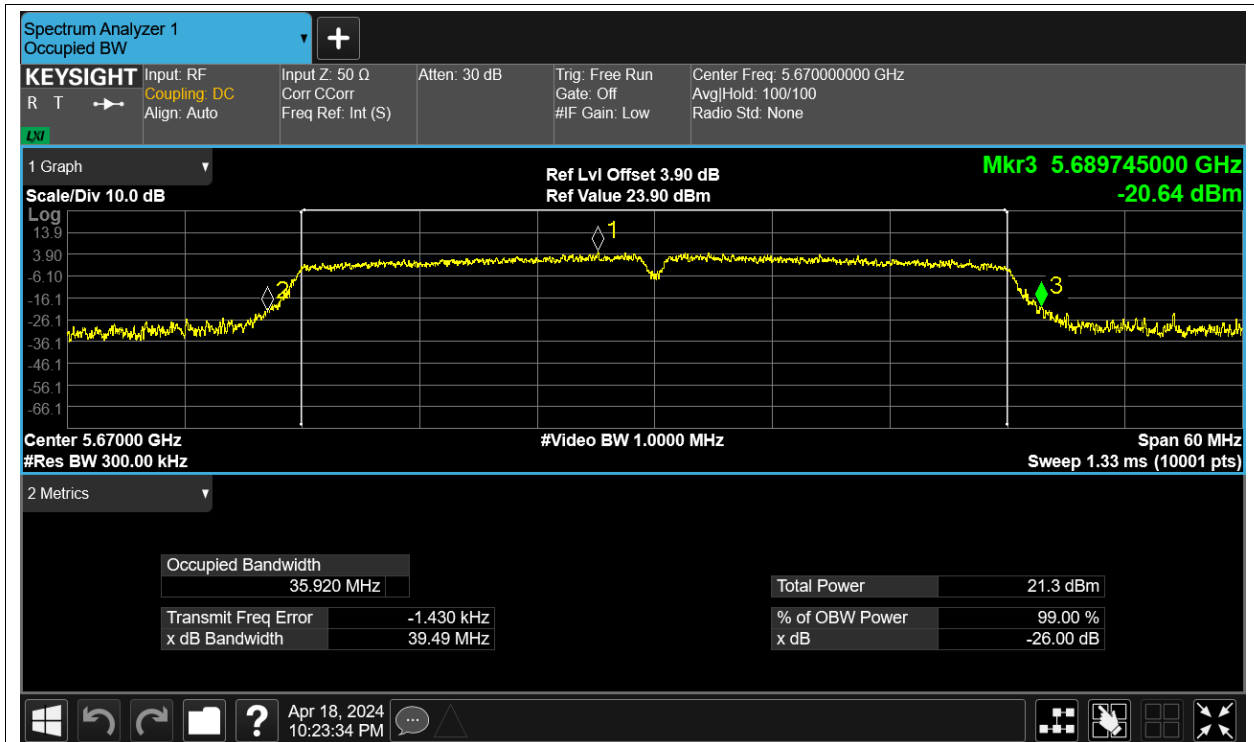
-26dB Bandwidth NVNT ac40 5510MHz Ant1



-26dB Bandwidth NVNT ac40 5590MHz Ant1



-26dB Bandwidth NVNT ac40 5670MHz Ant1



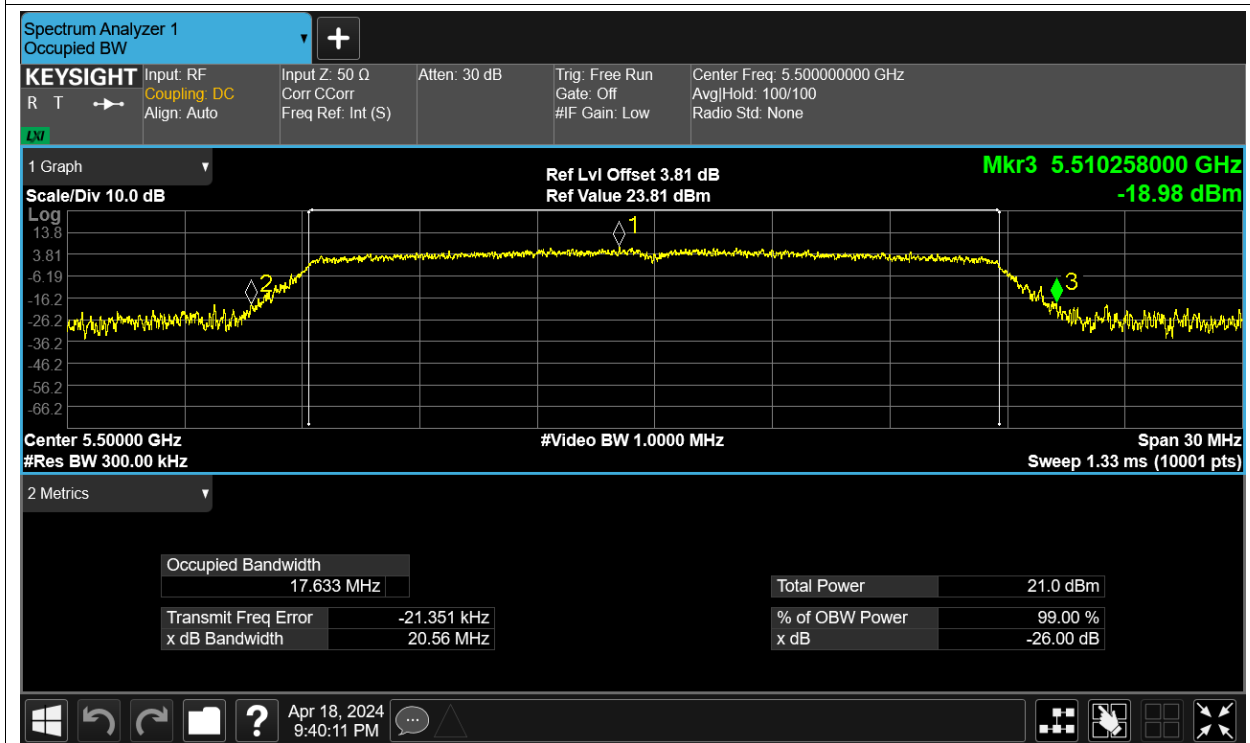
-26dB Bandwidth NVNT ac80 5530MHz Ant1



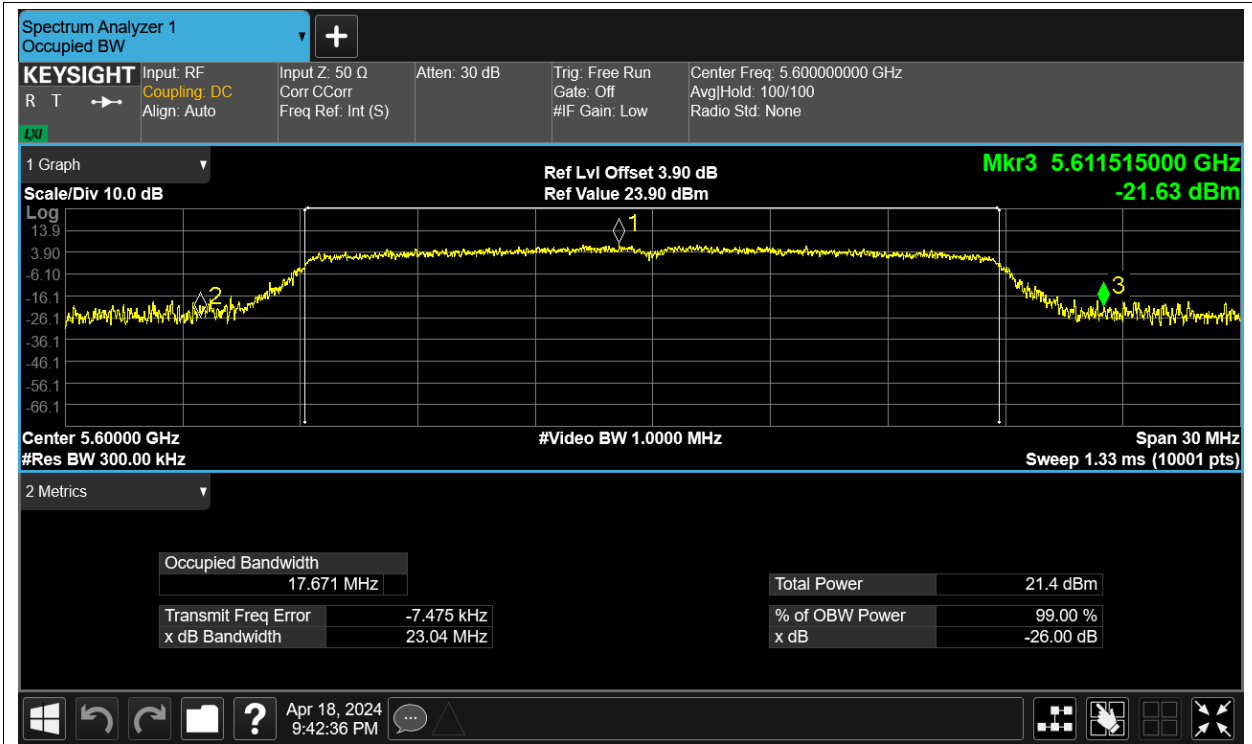
-26dB Bandwidth NVNT ac80 5610MHz Ant1



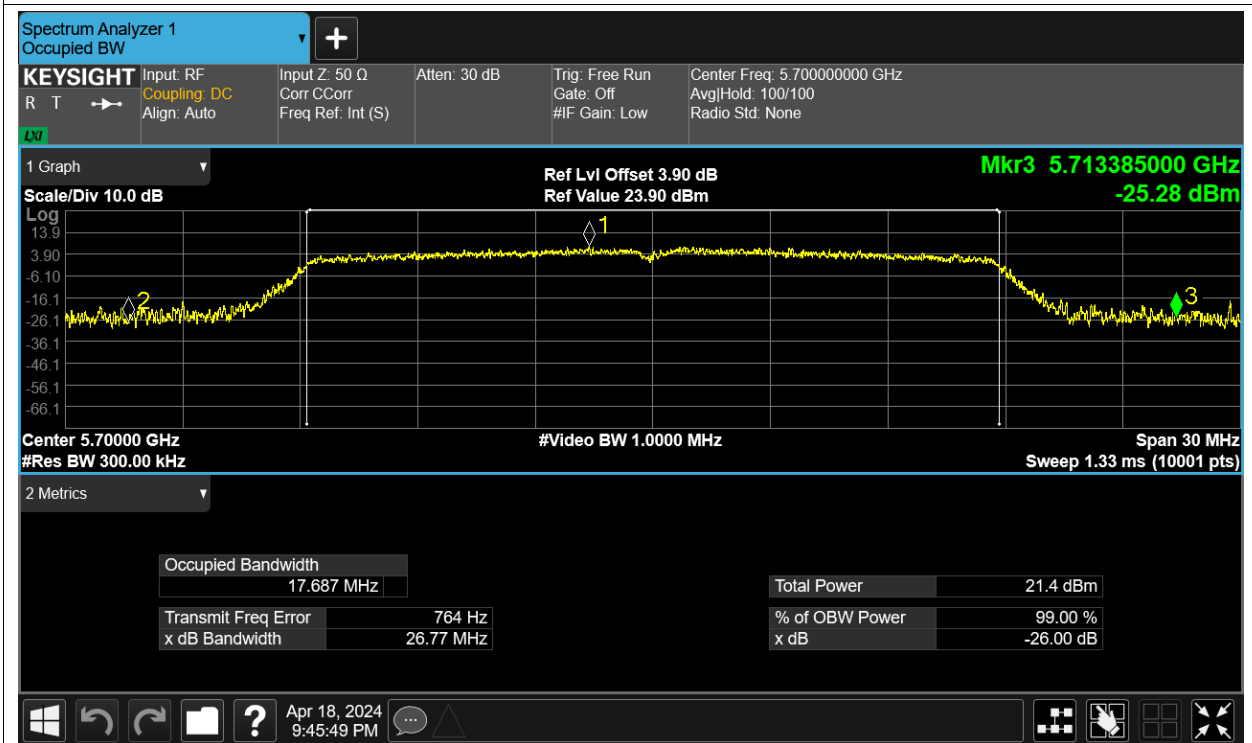
-26dB Bandwidth NVNT n20 5500MHz Ant1



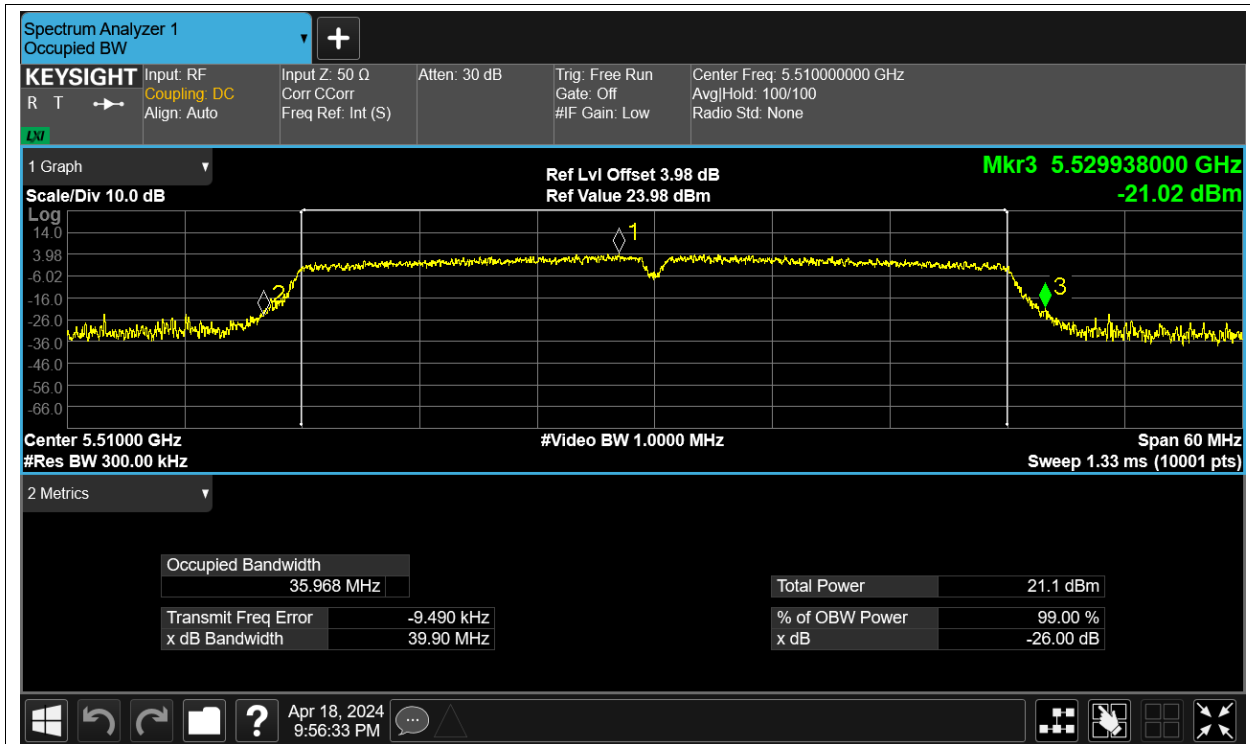
-26dB Bandwidth NVNT n20 5600MHz Ant1



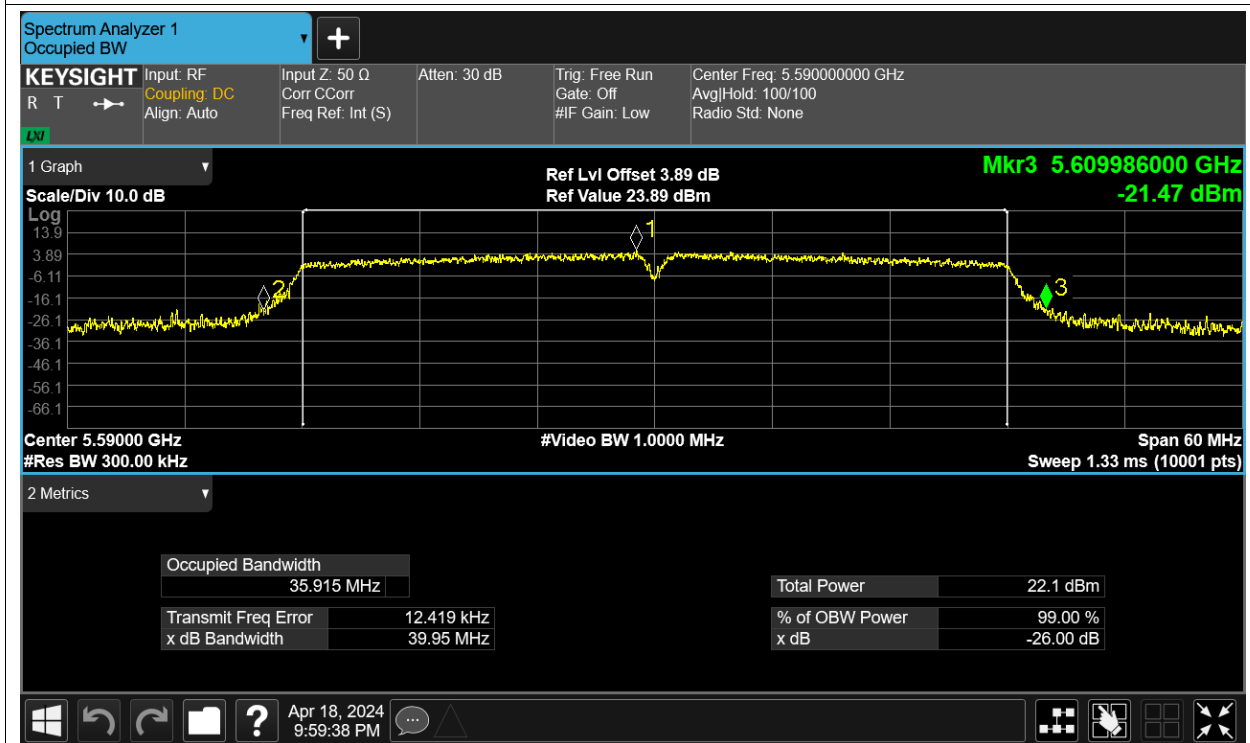
-26dB Bandwidth NVNT n20 5700MHz Ant1



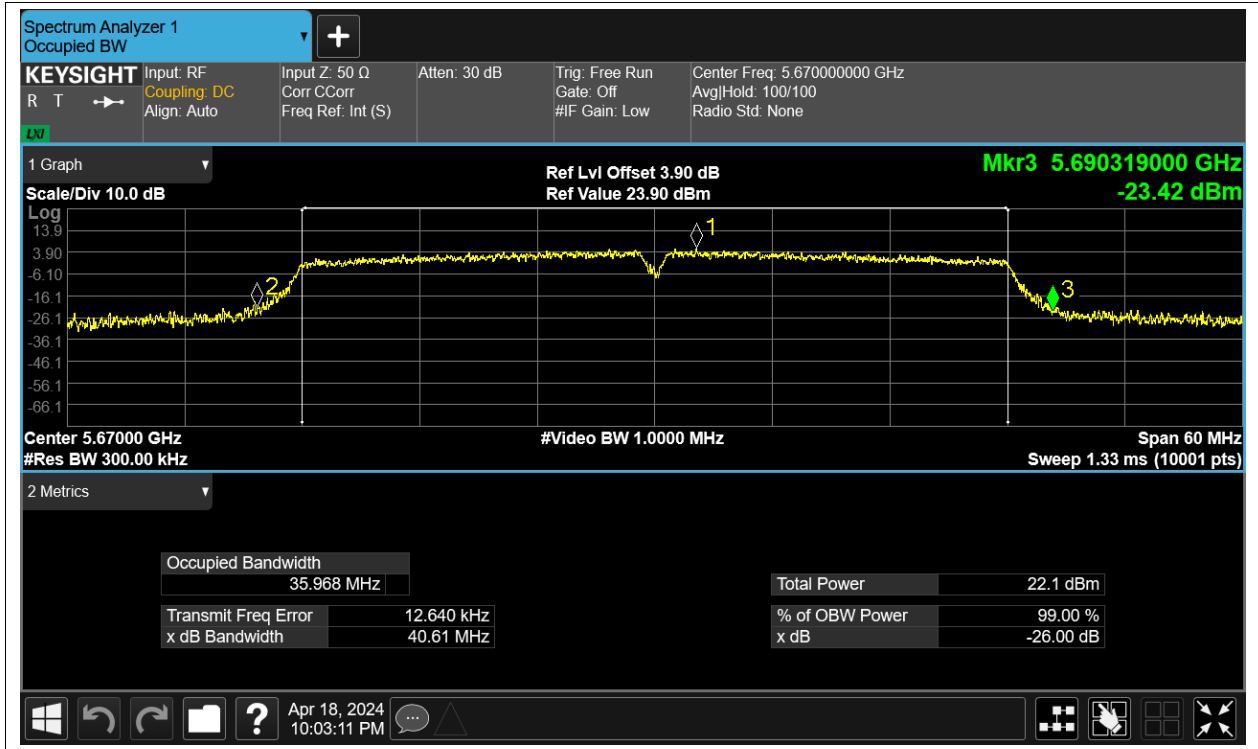
-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant1

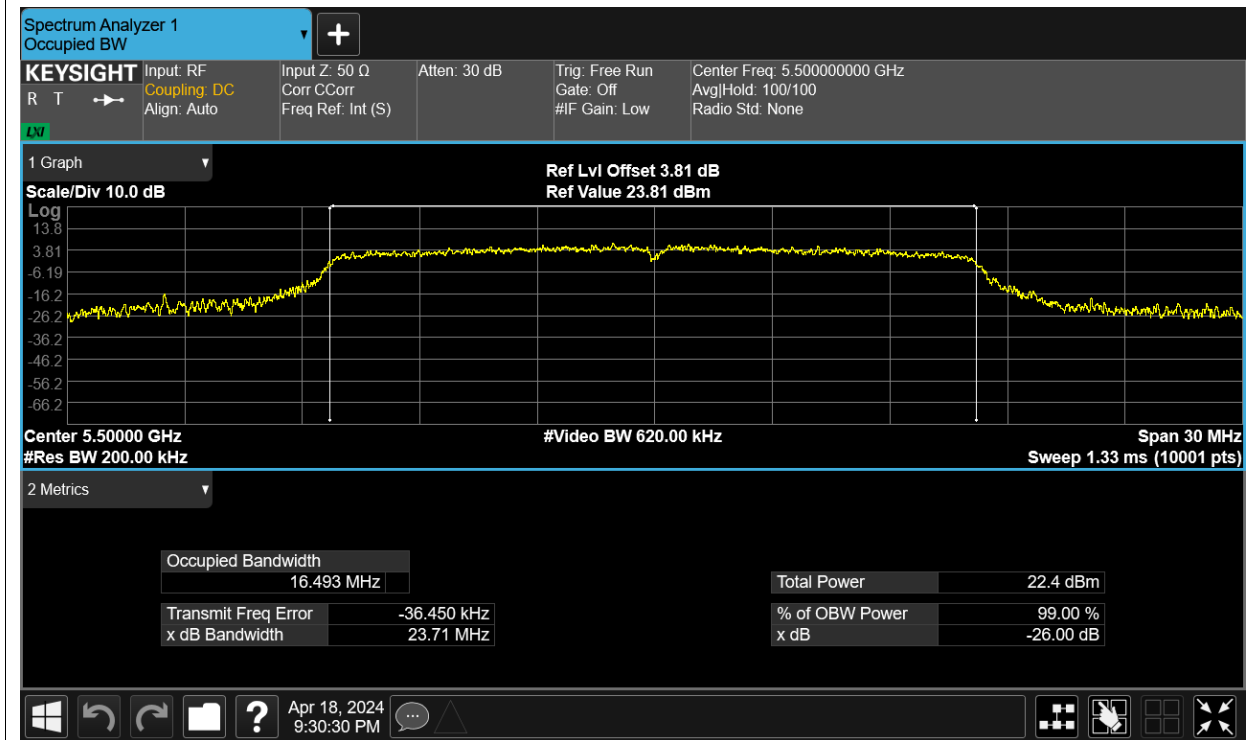


Occupied Channel Bandwidth

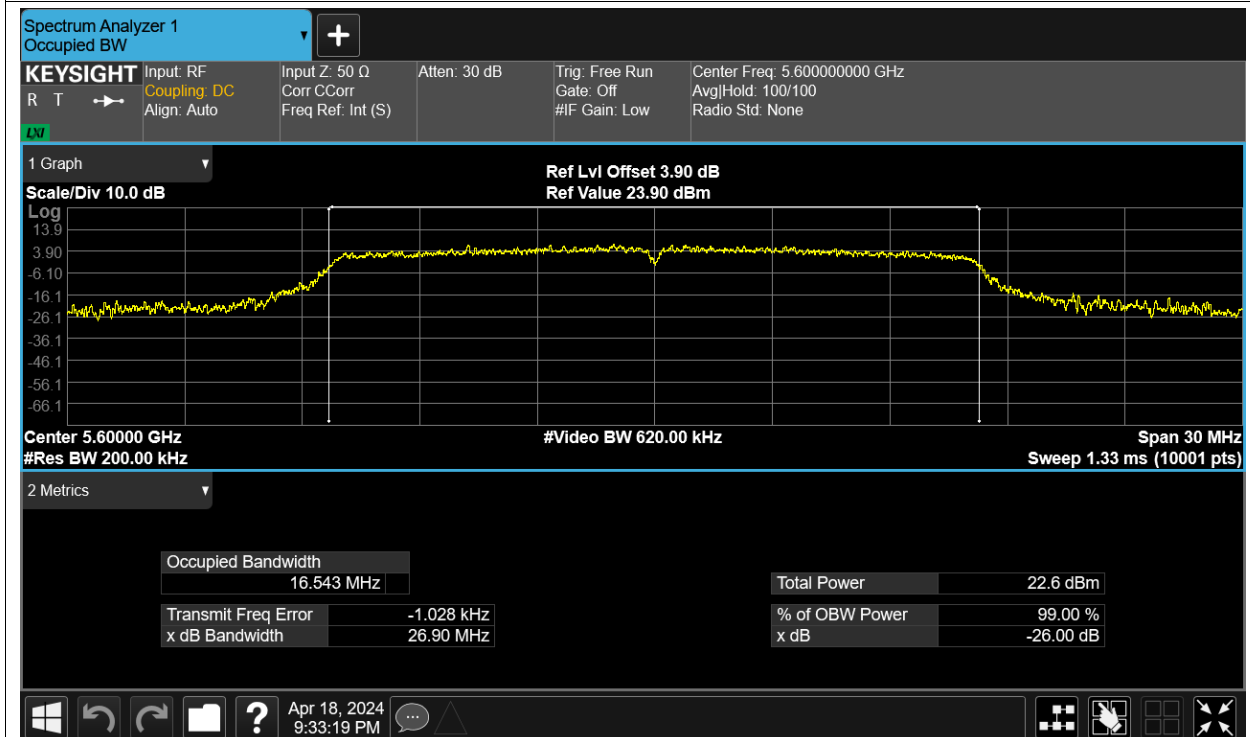
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.493
NVNT	a	5600	Ant1	16.543
NVNT	a	5700	Ant1	16.524
NVNT	ac20	5500	Ant1	17.574
NVNT	ac20	5600	Ant1	17.559
NVNT	ac20	5700	Ant1	17.545
NVNT	ac40	5510	Ant1	35.962
NVNT	ac40	5590	Ant1	35.981
NVNT	ac40	5670	Ant1	36.04
NVNT	ac80	5530	Ant1	75.338
NVNT	ac80	5610	Ant1	75.32
NVNT	n20	5500	Ant1	17.572
NVNT	n20	5600	Ant1	17.575
NVNT	n20	5700	Ant1	17.58
NVNT	n40	5510	Ant1	36.005
NVNT	n40	5590	Ant1	35.948
NVNT	n40	5670	Ant1	36.044

Test Graphs

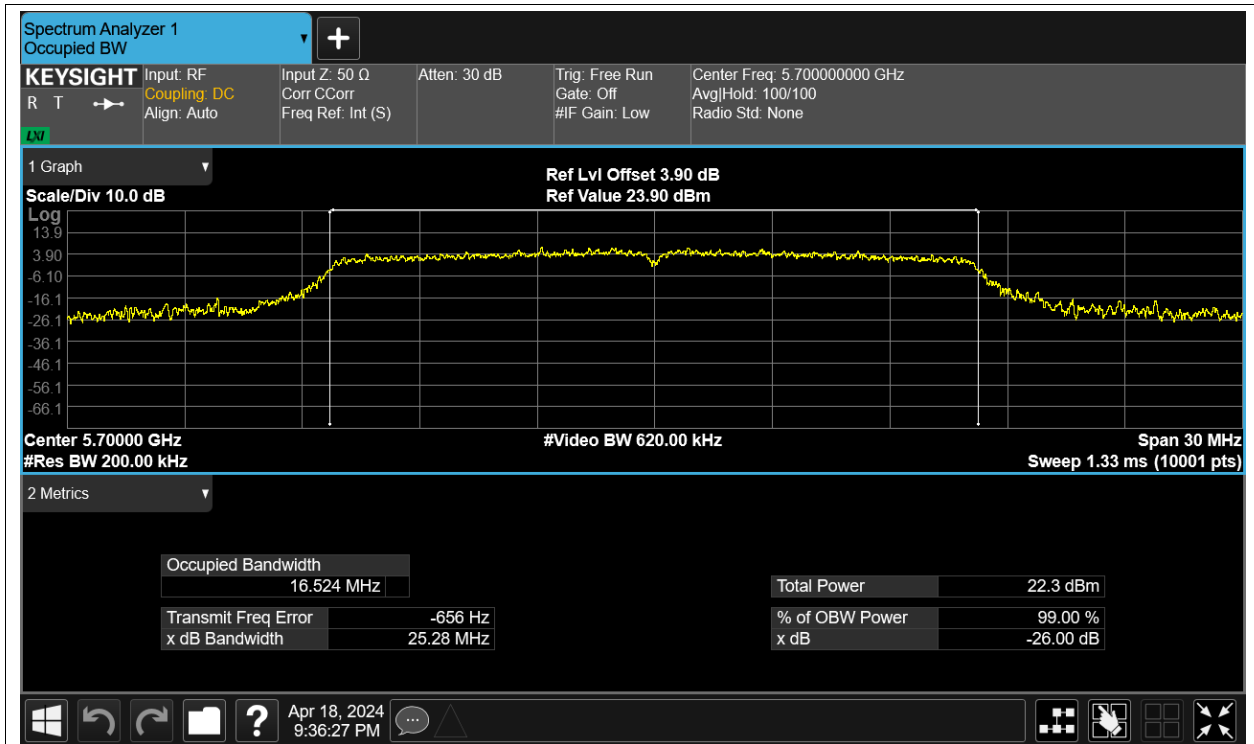
OBW NVNT a 5500MHz Ant1



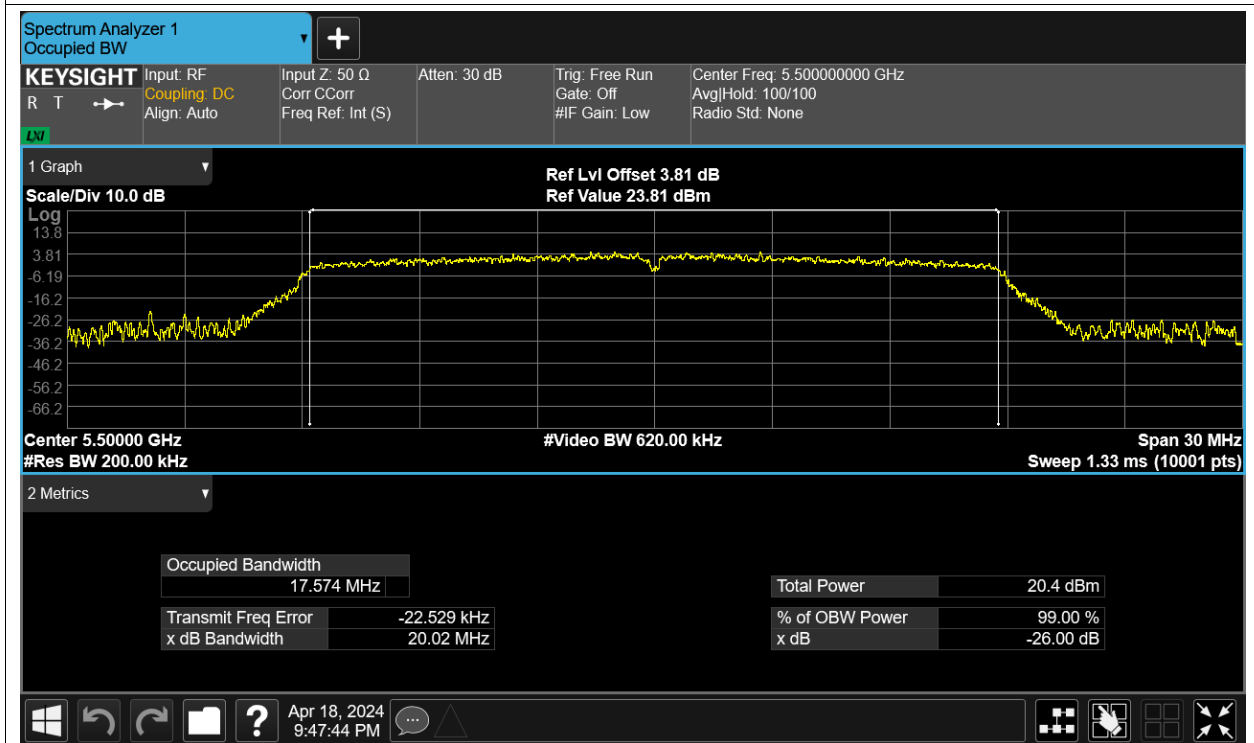
OBW NVNT a 5600MHz Ant1



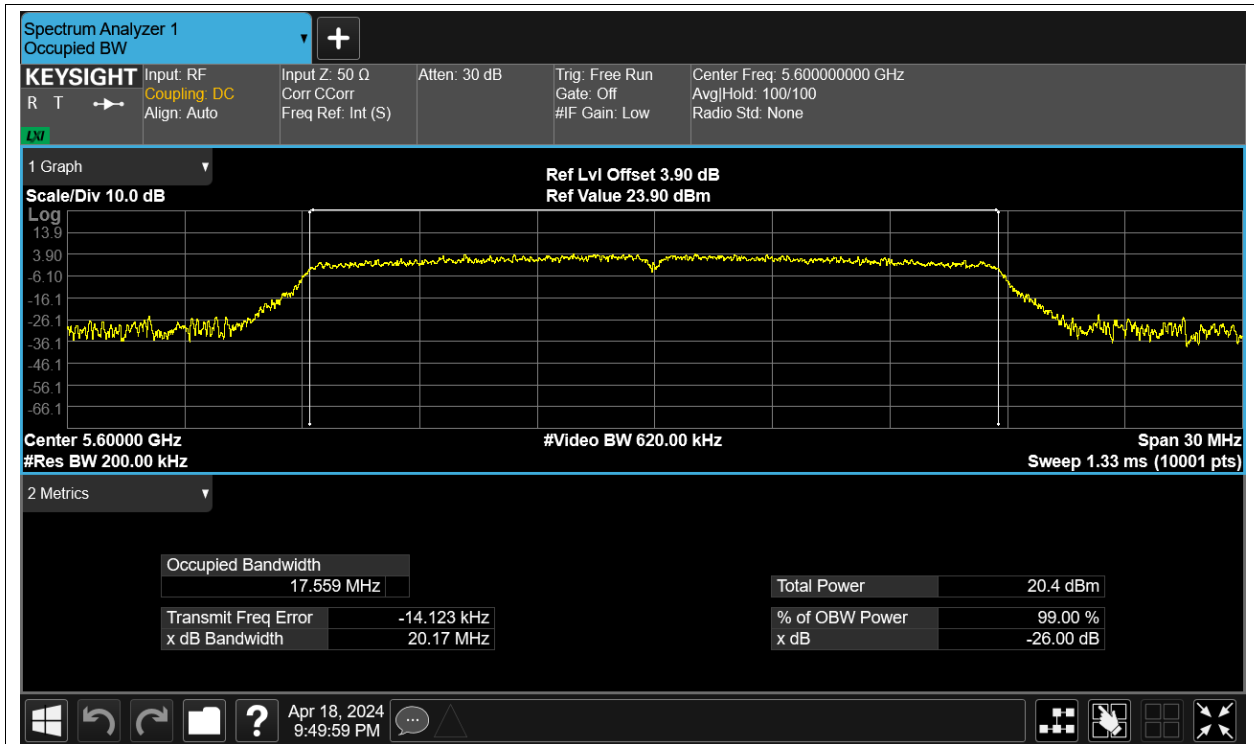
OBW NVNT a 5700MHz Ant1



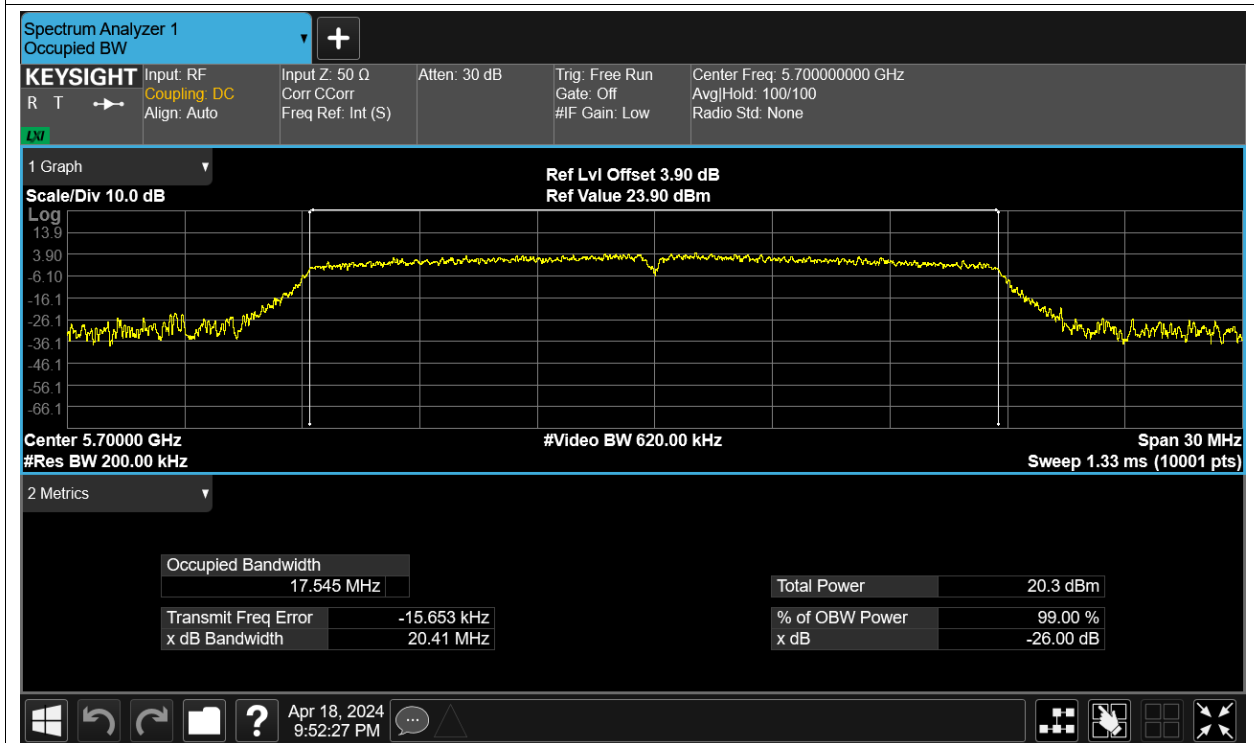
OBW NVNT ac20 5500MHz Ant1



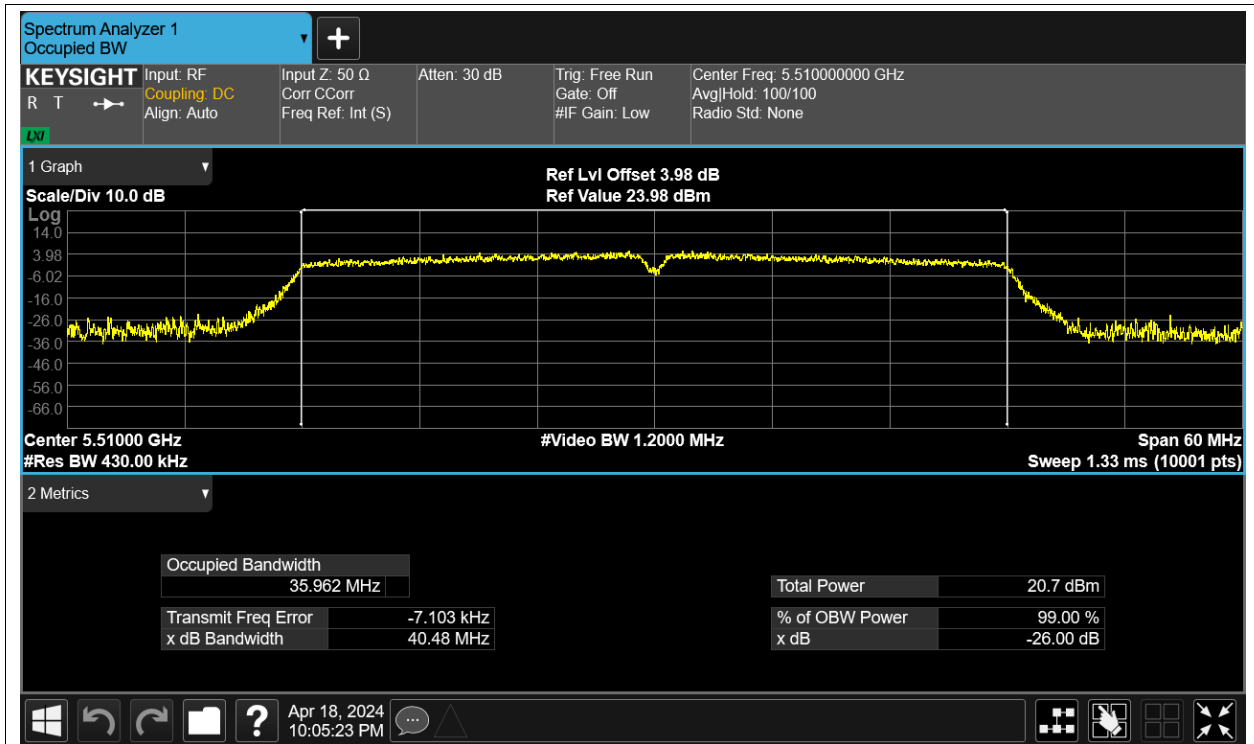
OBW NVNT ac20 5600MHz Ant1



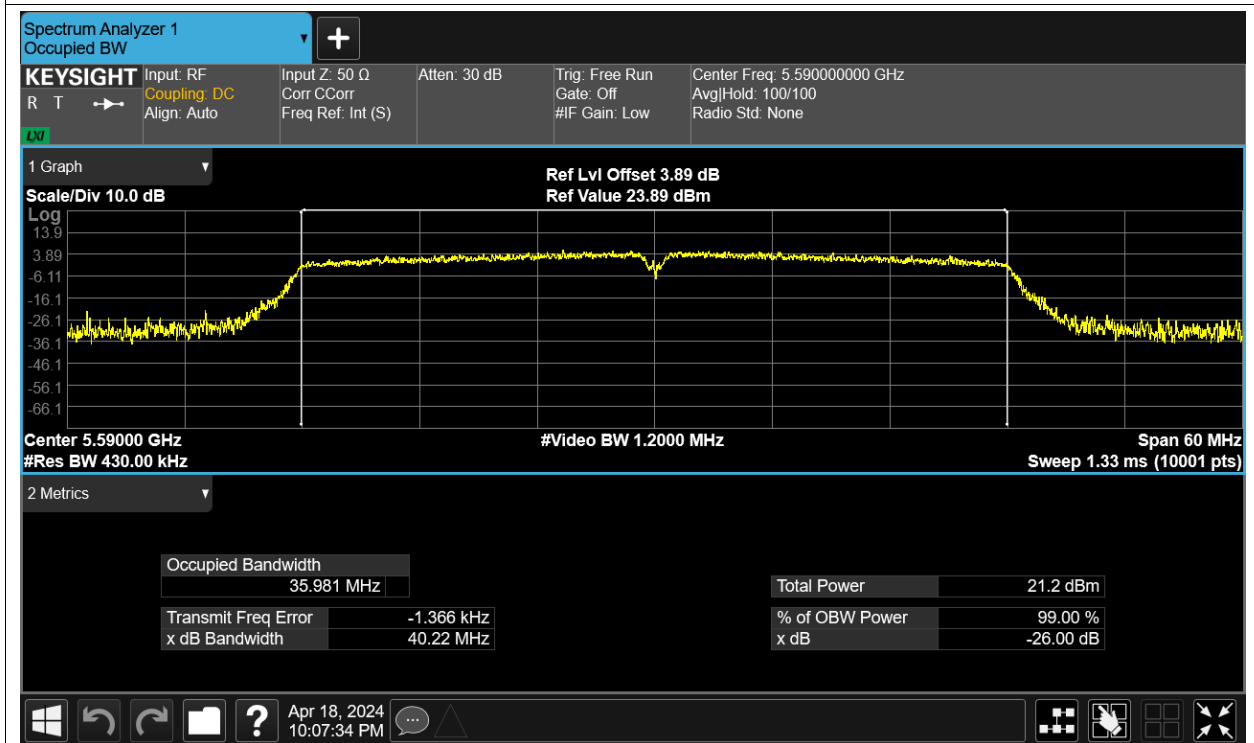
OBW NVNT ac20 5700MHz Ant1



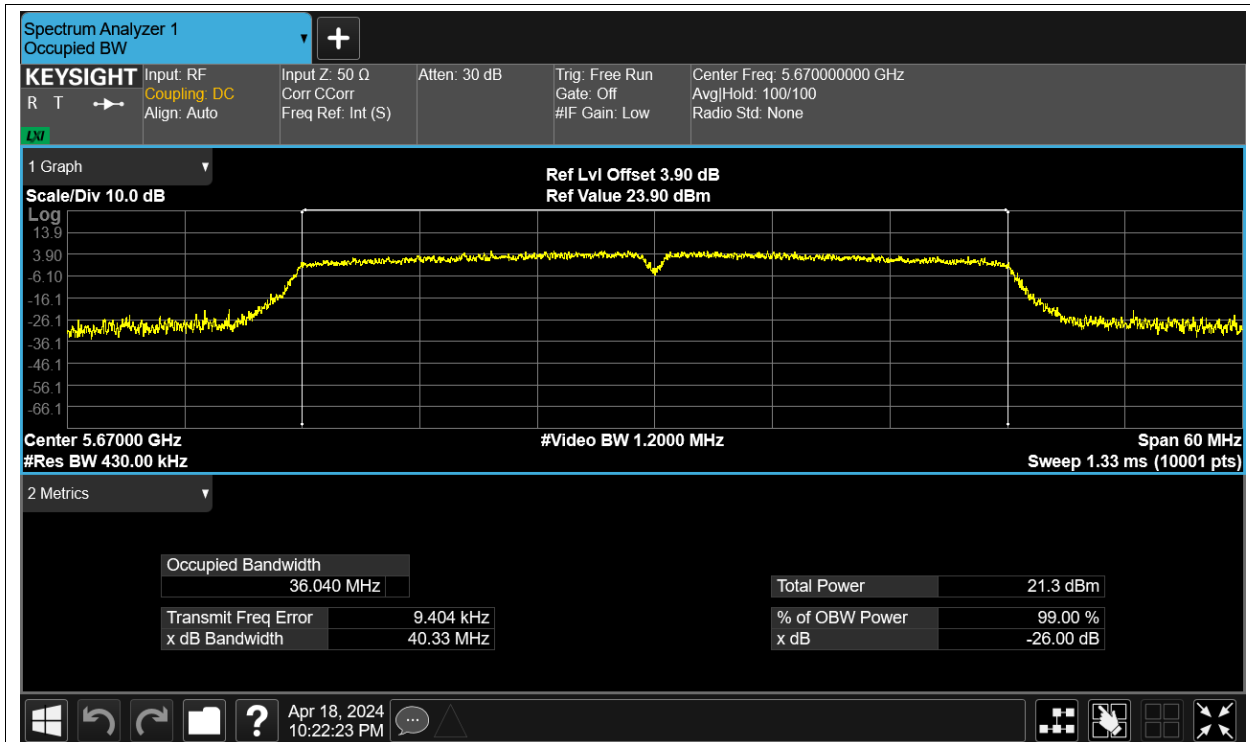
OBW NVNT ac40 5510MHz Ant1



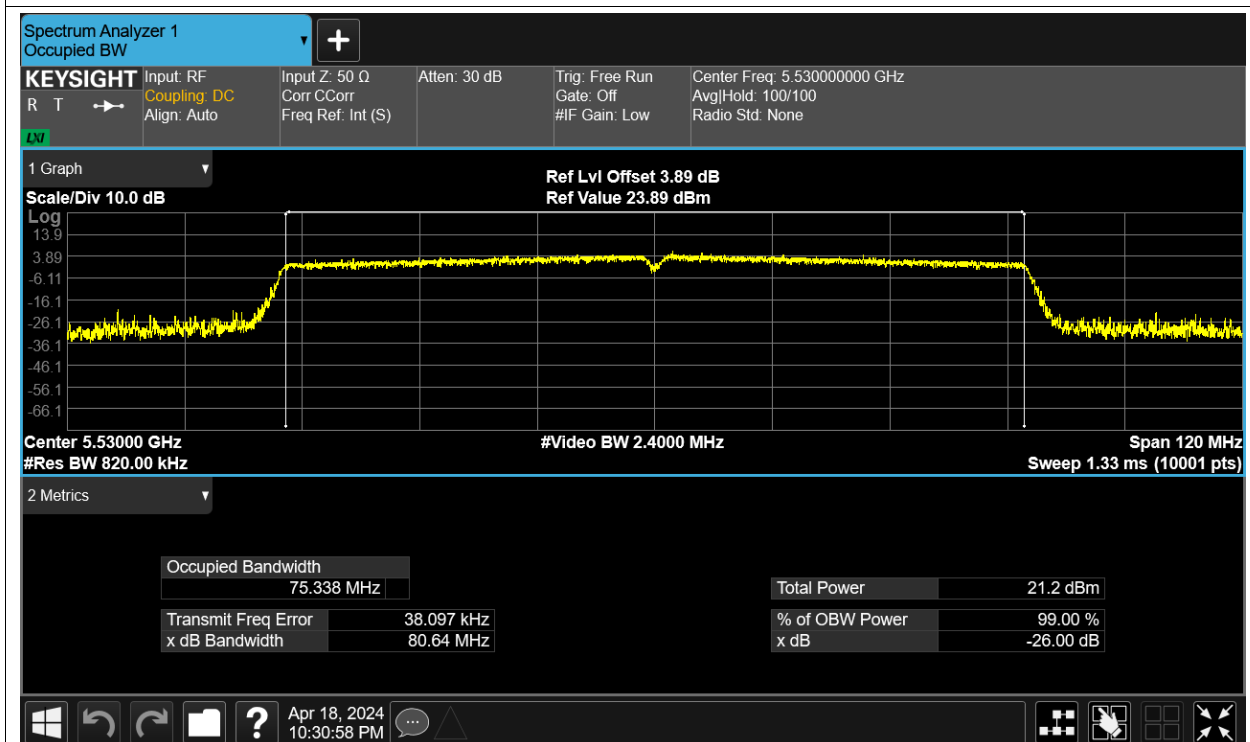
OBW NVNT ac40 5590MHz Ant1



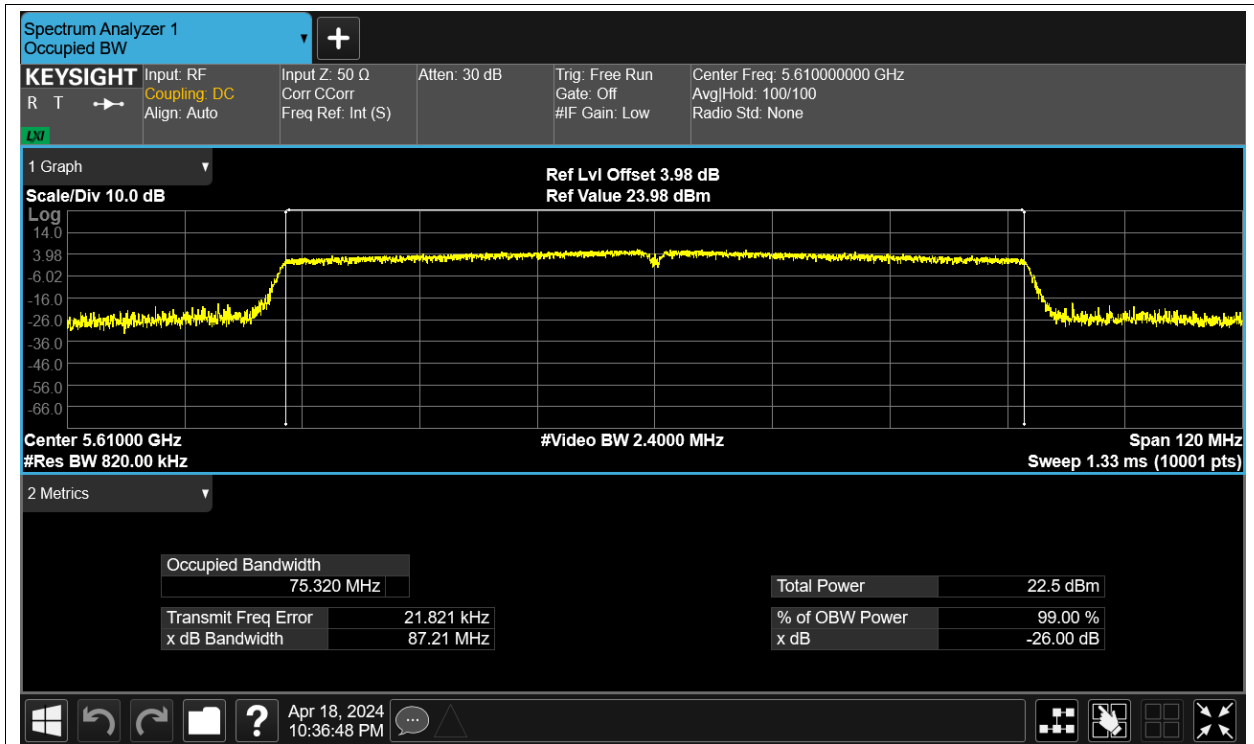
OBW NVNT ac40 5670MHz Ant1



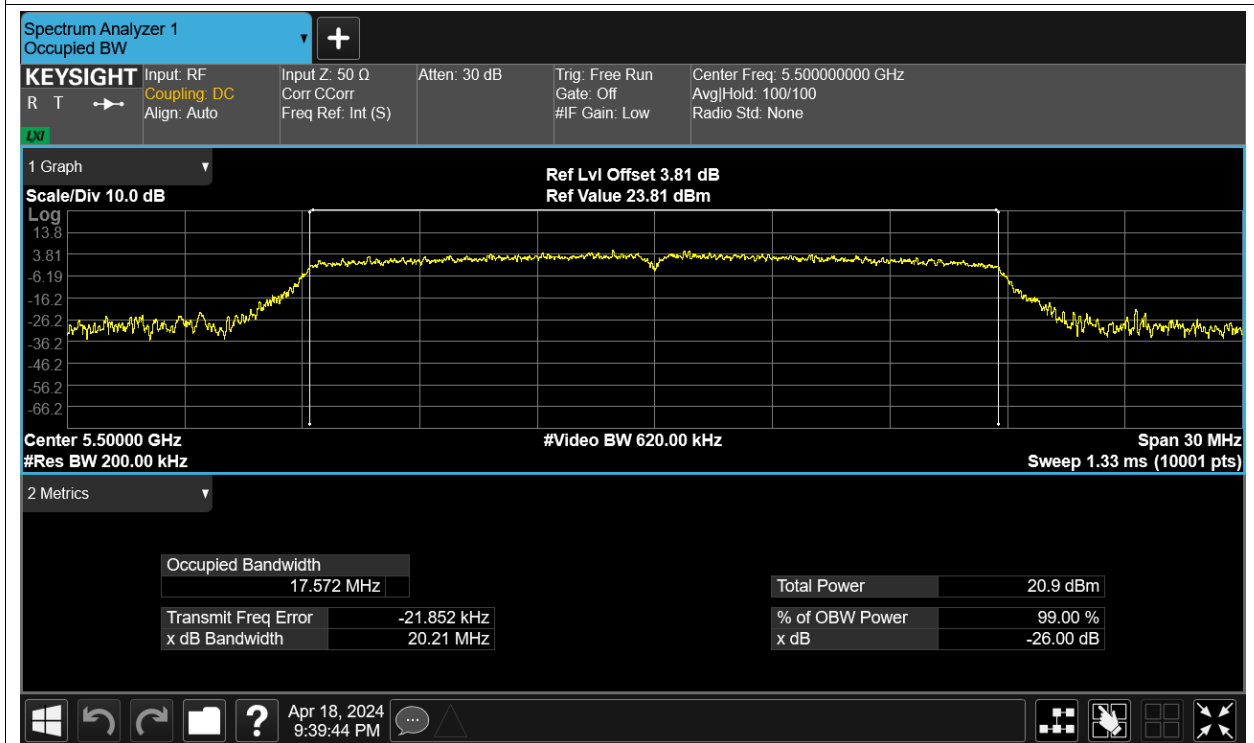
OBW NVNT ac80 5530MHz Ant1



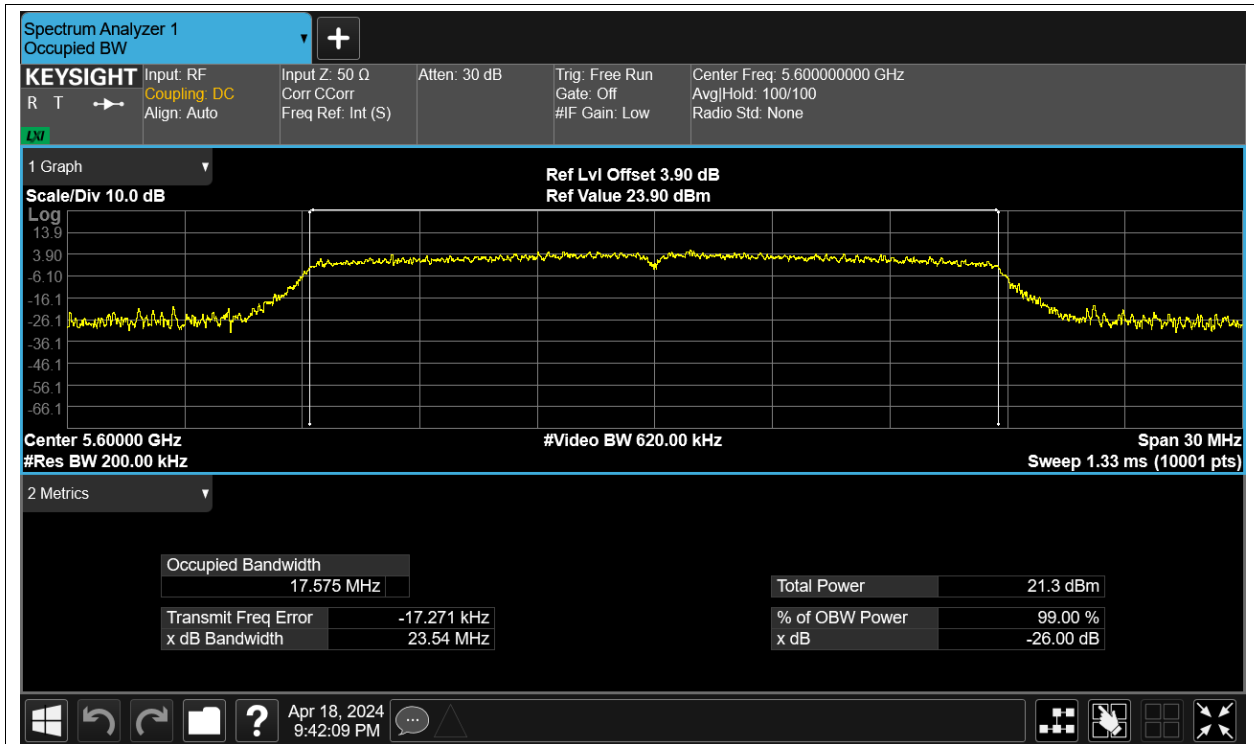
OBW NVNT ac80 5610MHz Ant1



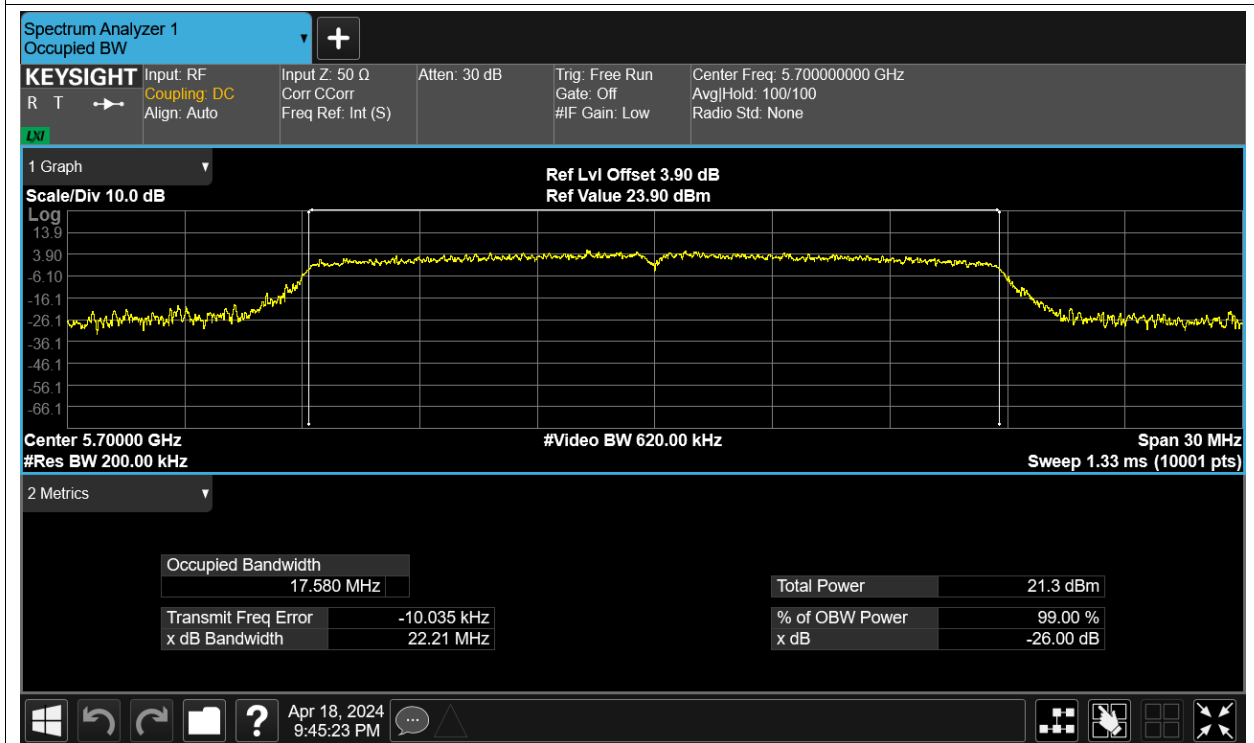
OBW NVNT n20 5500MHz Ant1



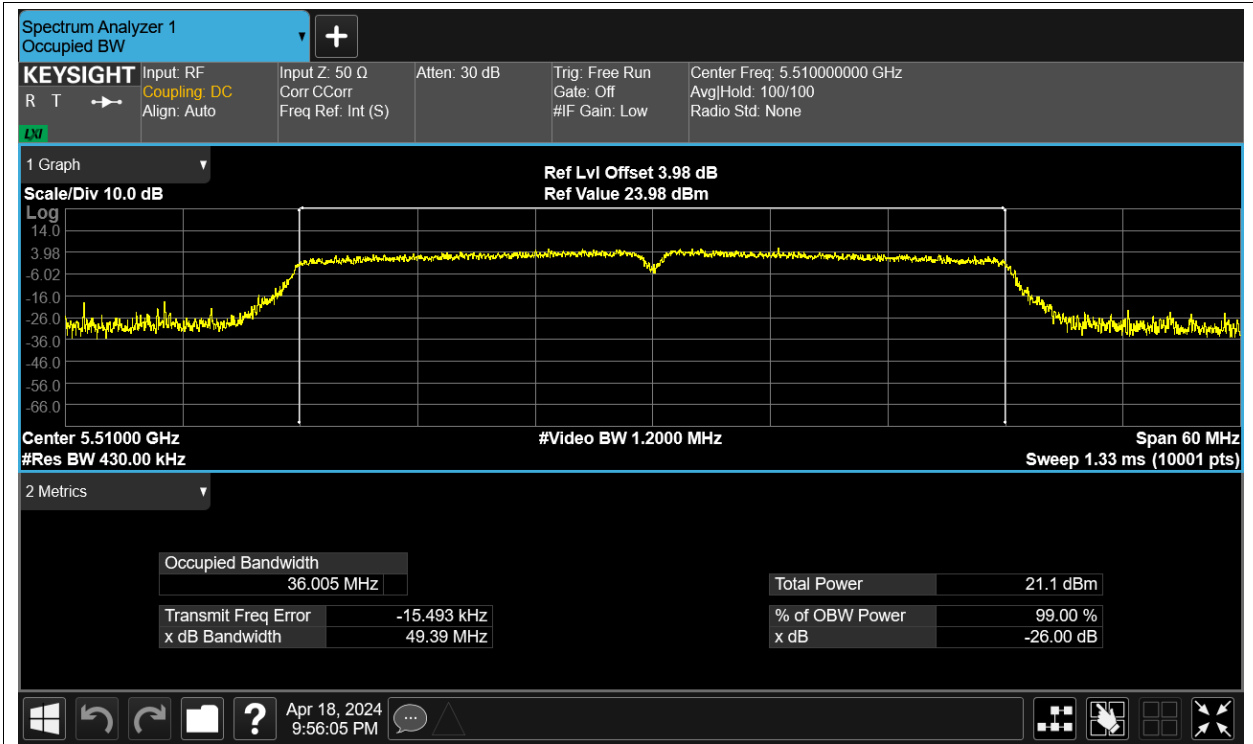
OBW NVNT n20 5600MHz Ant1



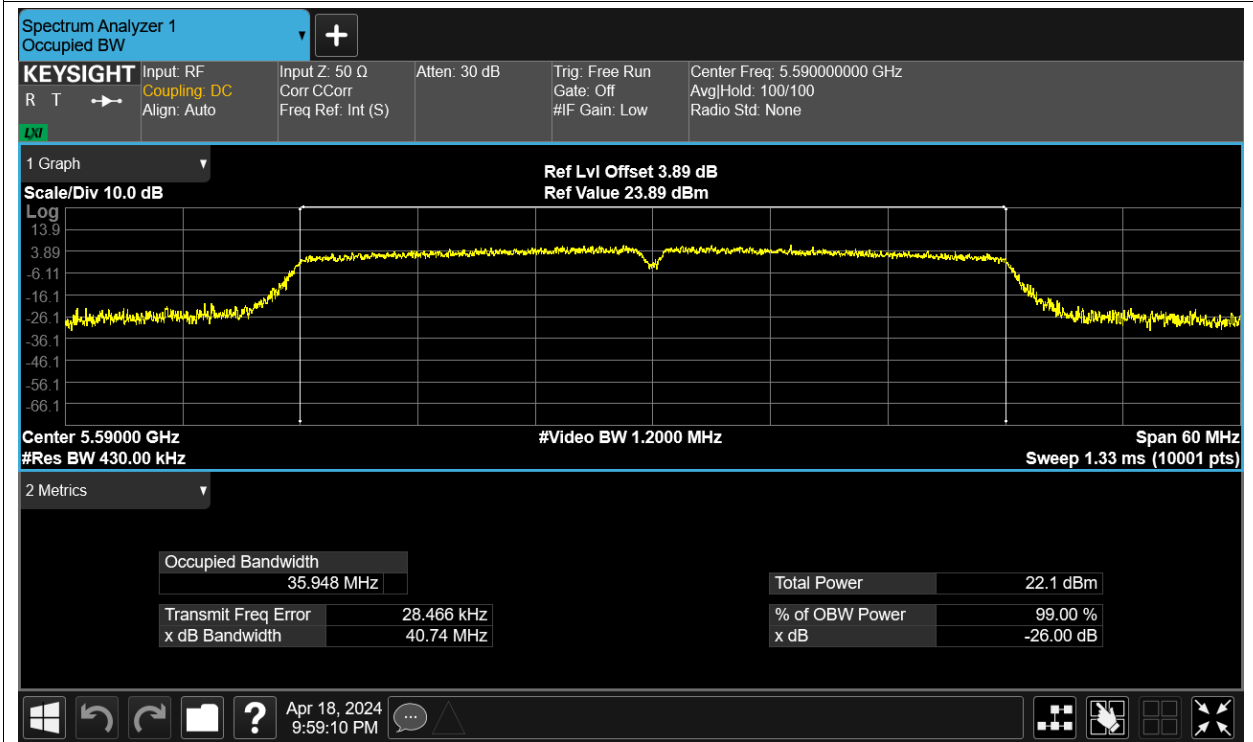
OBW NVNT n20 5700MHz Ant1



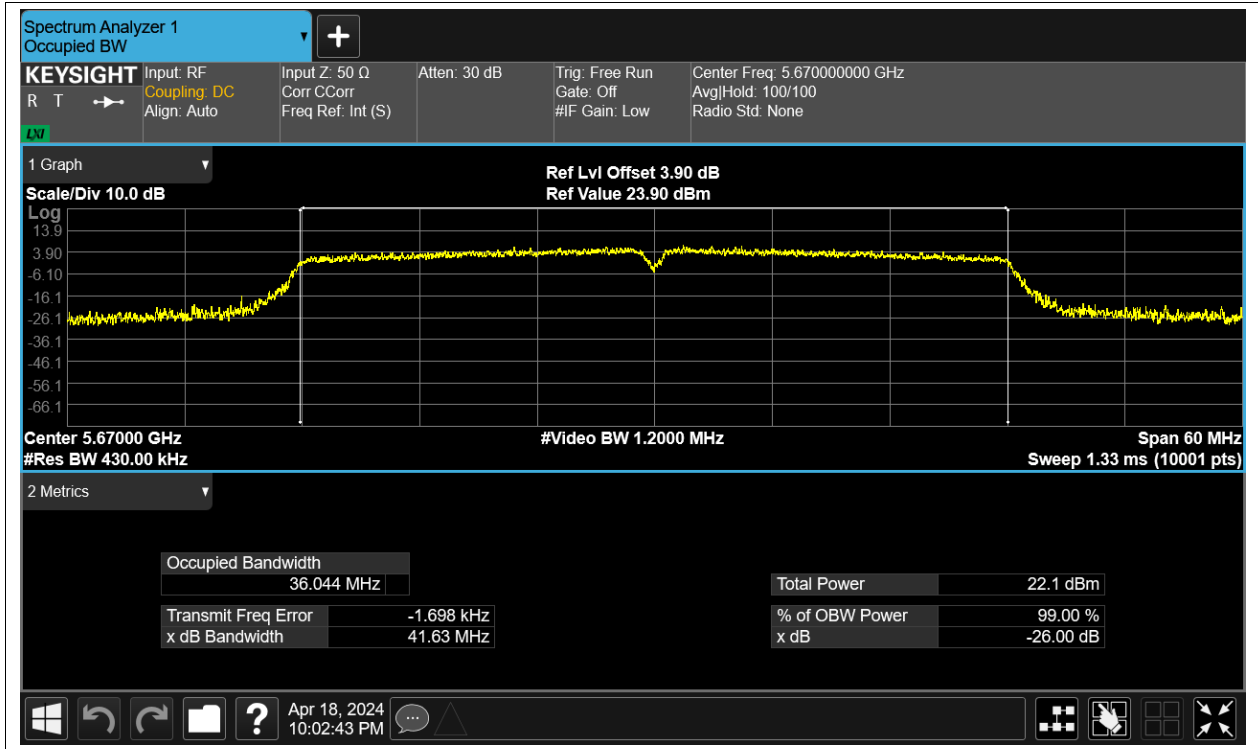
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1

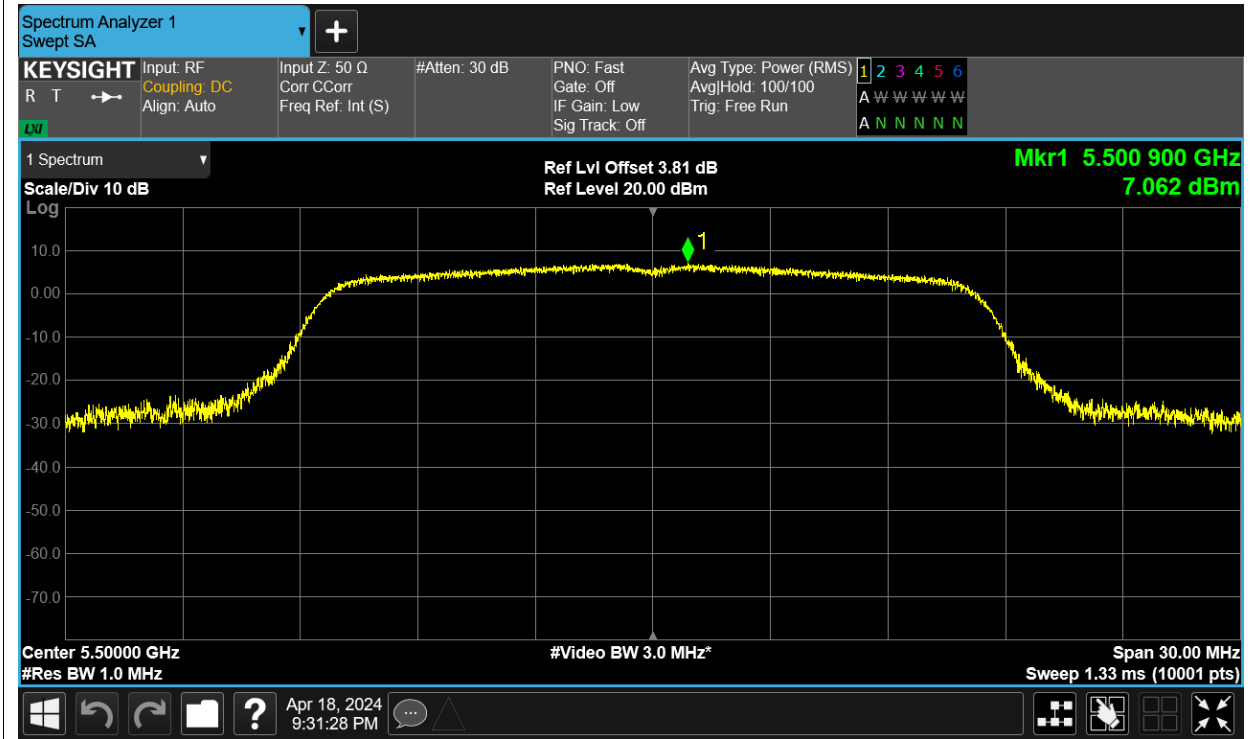


Maximum Power Spectral Density Level

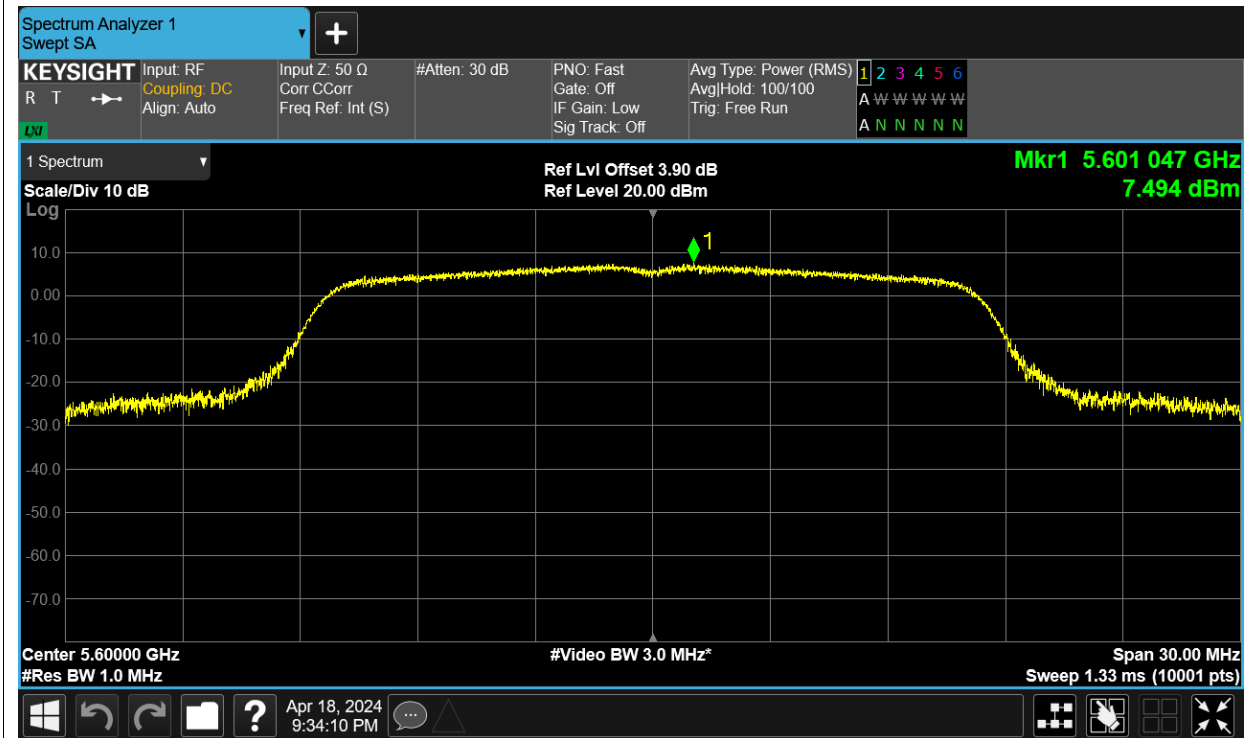
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	7.062	11	Pass
NVNT	a	5600	Ant1	7.494	11	Pass
NVNT	a	5700	Ant1	7.467	11	Pass
NVNT	ac20	5500	Ant1	4.958	11	Pass
NVNT	ac20	5600	Ant1	5.198	11	Pass
NVNT	ac20	5700	Ant1	5.137	11	Pass
NVNT	ac40	5510	Ant1	2.225	11	Pass
NVNT	ac40	5590	Ant1	2.944	11	Pass
NVNT	ac40	5670	Ant1	2.86	11	Pass
NVNT	ac80	5530	Ant1	-1.014	11	Pass
NVNT	ac80	5610	Ant1	0.108	11	Pass
NVNT	n20	5500	Ant1	5.483	11	Pass
NVNT	n20	5600	Ant1	5.96	11	Pass
NVNT	n20	5700	Ant1	6.028	11	Pass
NVNT	n40	5510	Ant1	2.978	11	Pass
NVNT	n40	5590	Ant1	3.791	11	Pass
NVNT	n40	5667	Ant1	3.634	11	Pass

Test Graphs

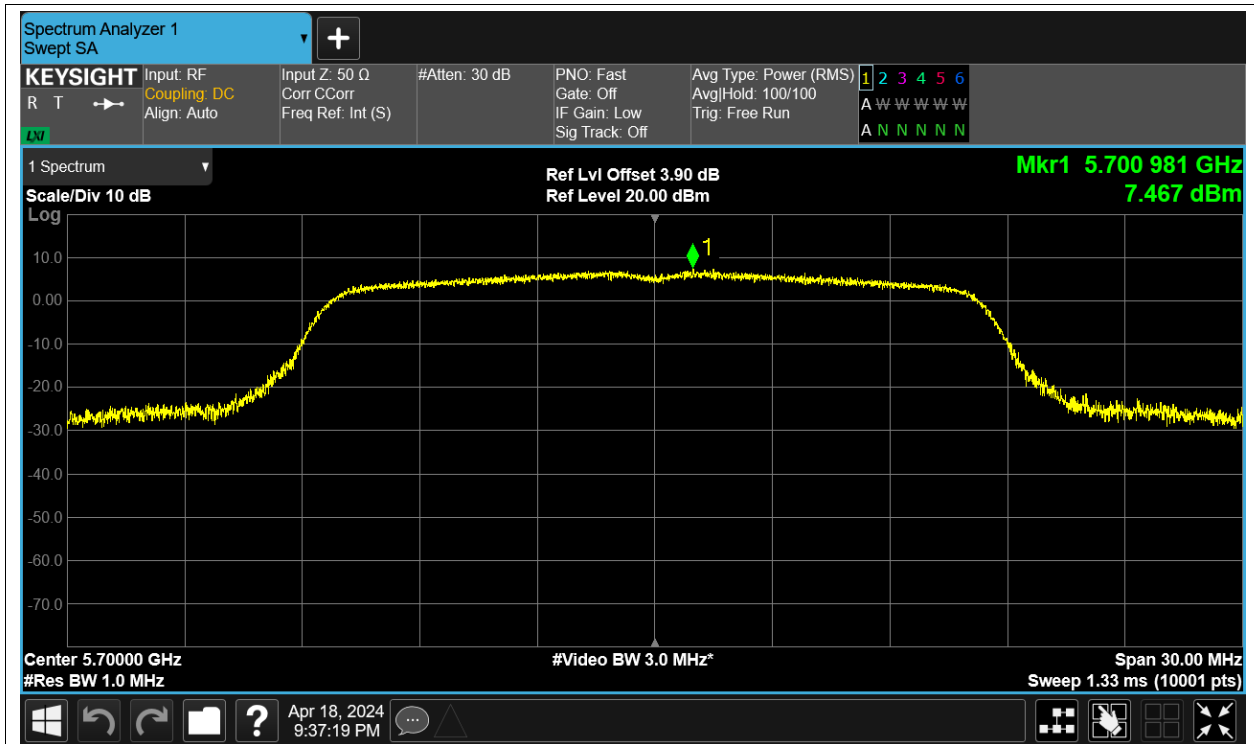
PSD NVNT a 5500MHz Ant1



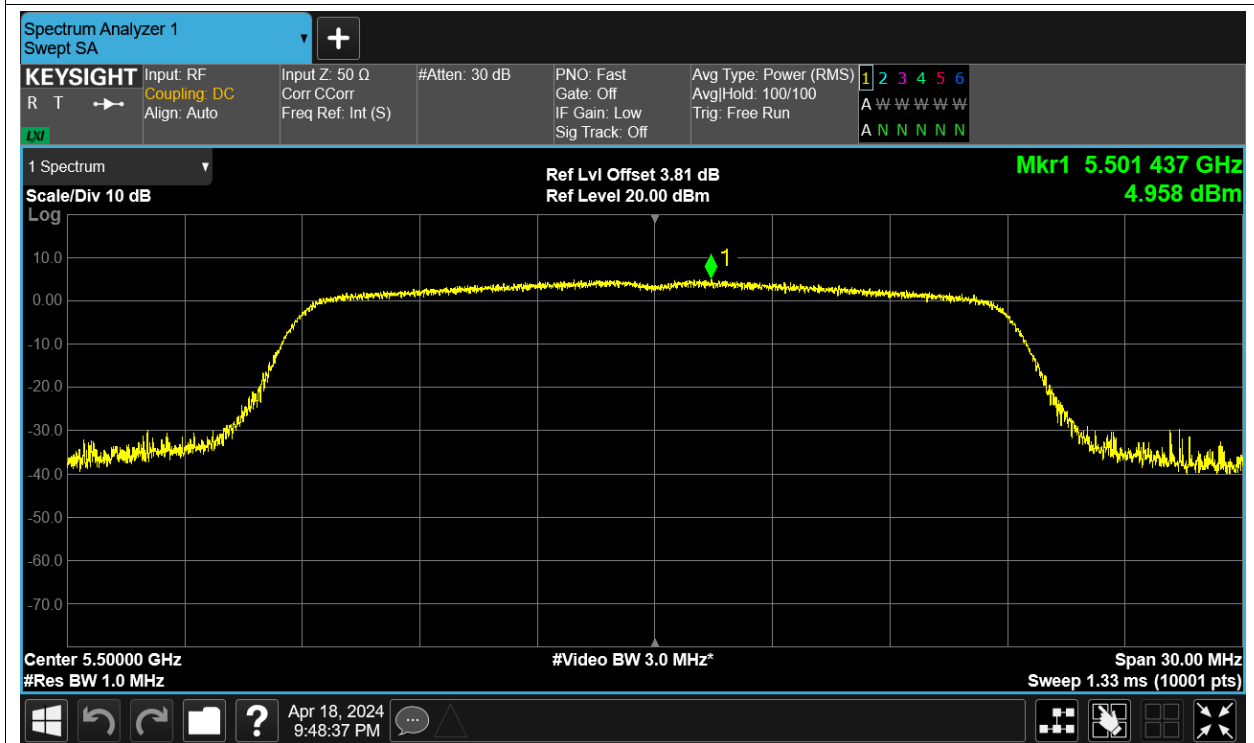
PSD NVNT a 5600MHz Ant1



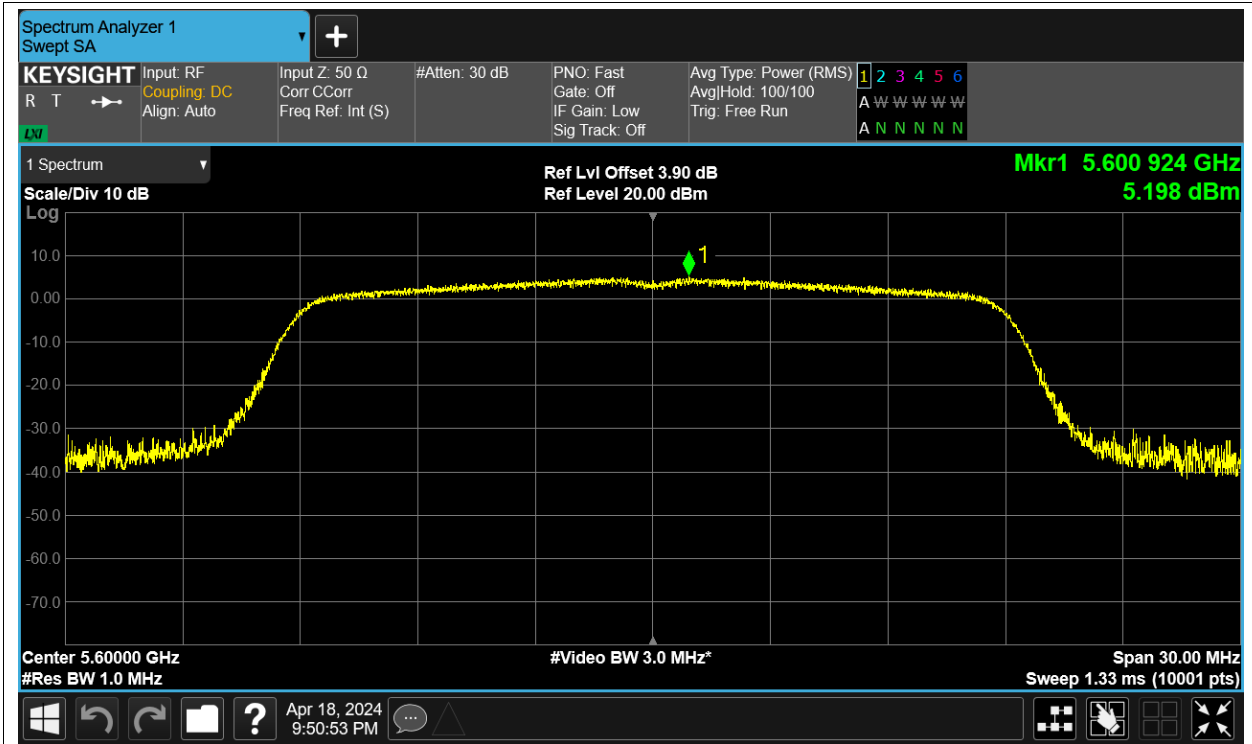
PSD NVNT a 5700MHz Ant1



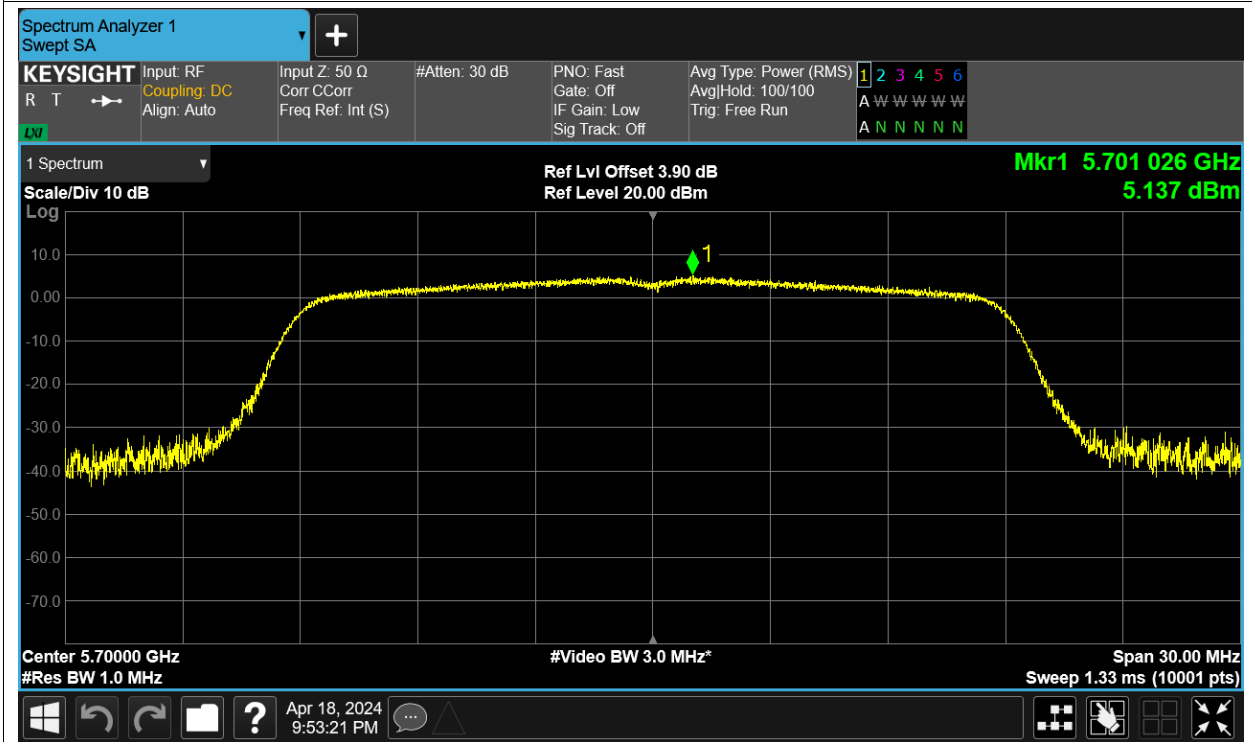
PSD NVNT ac20 5500MHz Ant1



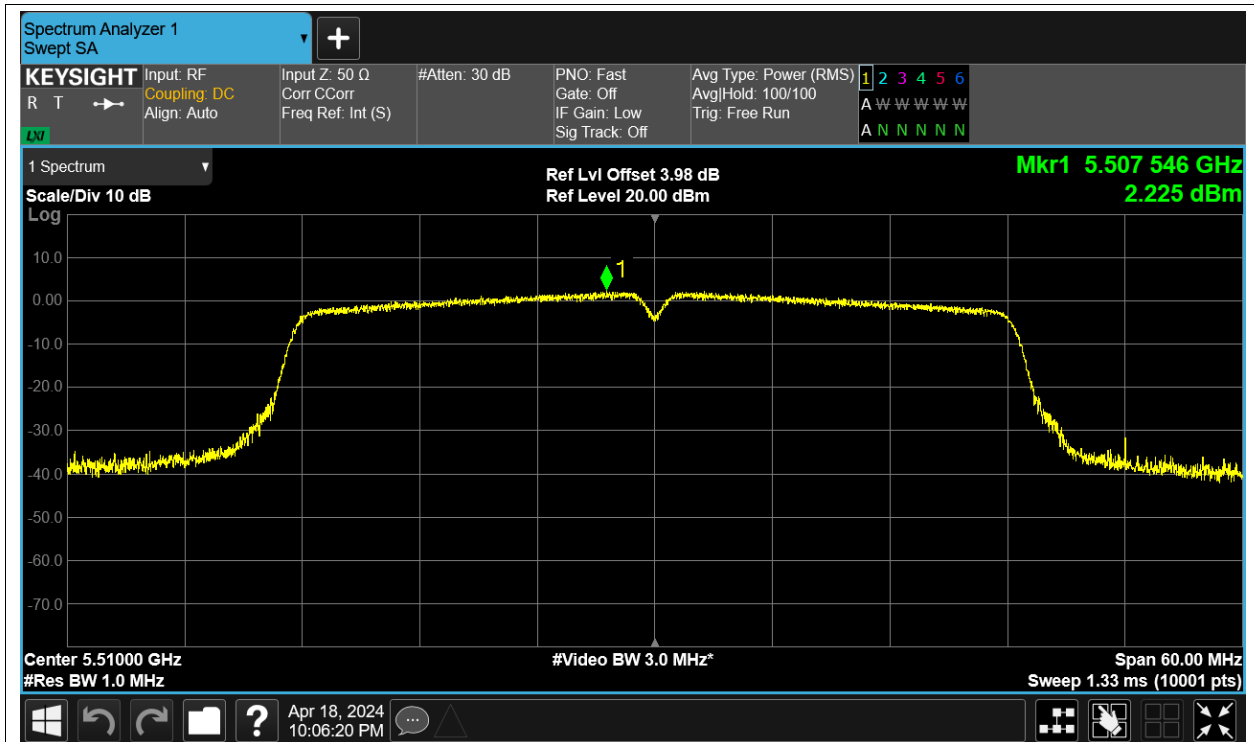
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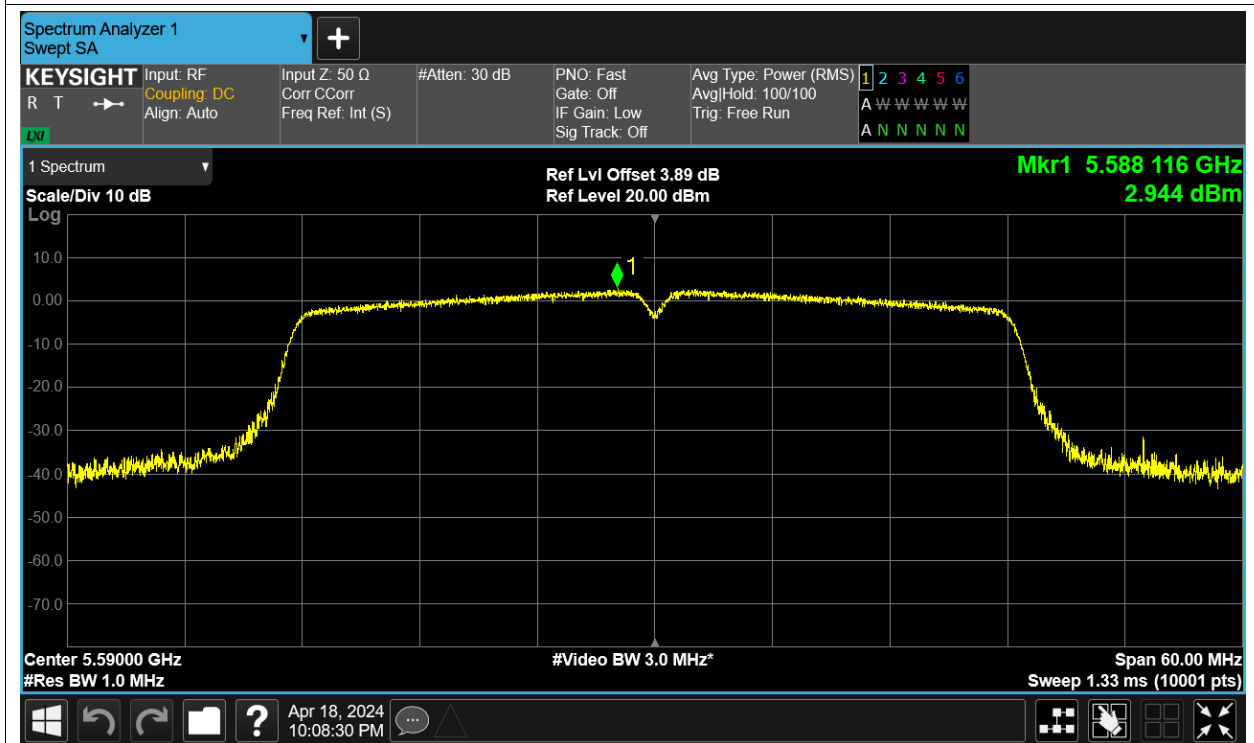
PSD NVNT ac20 5700MHz Ant1



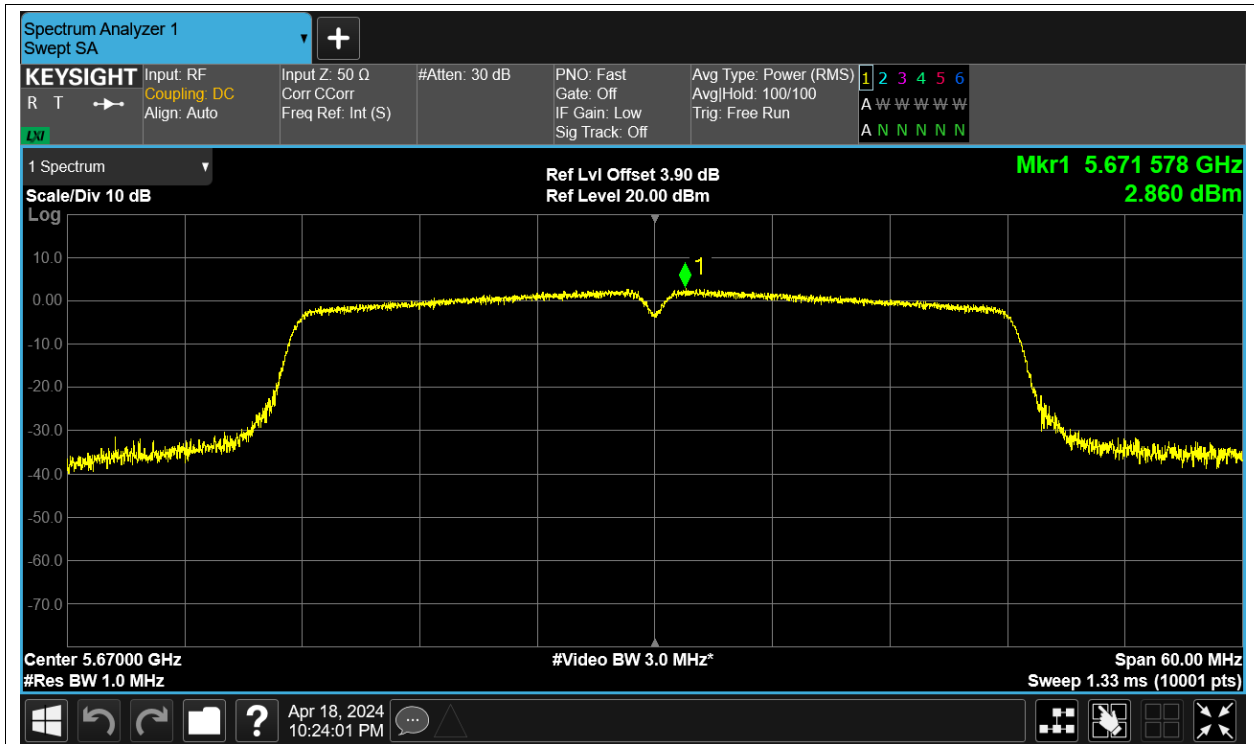
PSD NVNT ac40 5510MHz Ant1



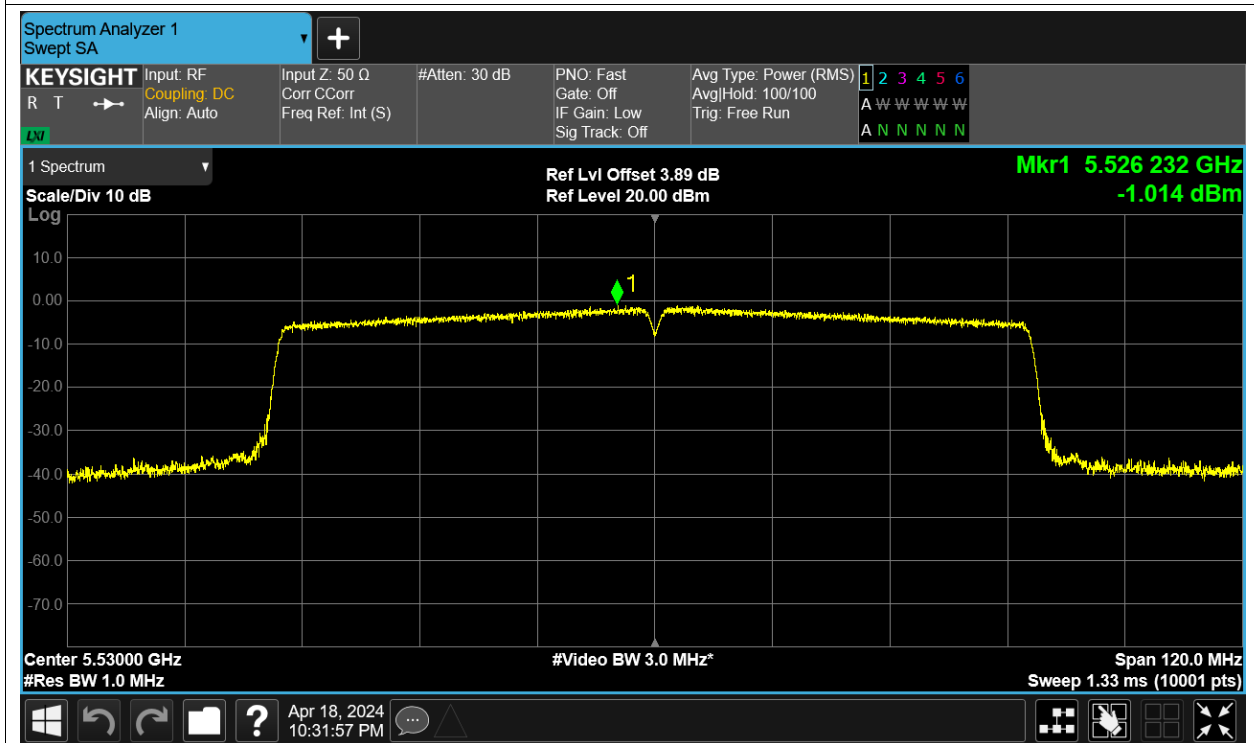
PSD NVNT ac40 5590MHz Ant1



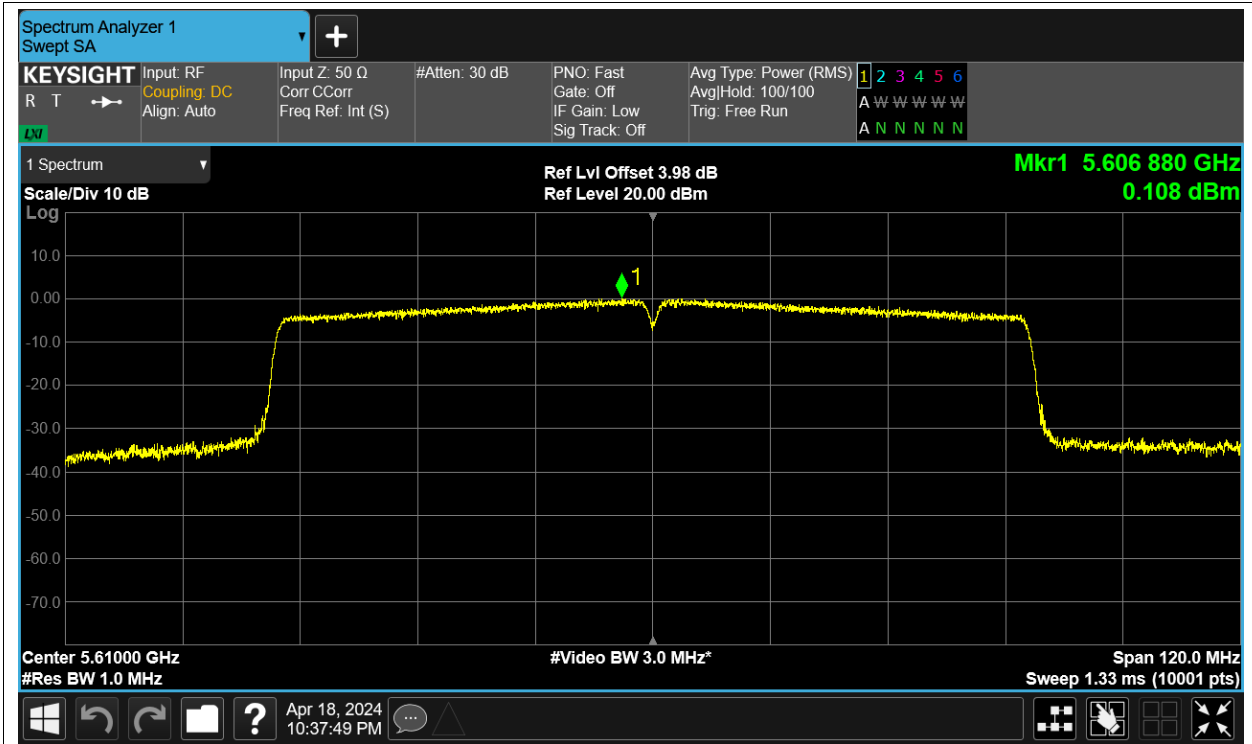
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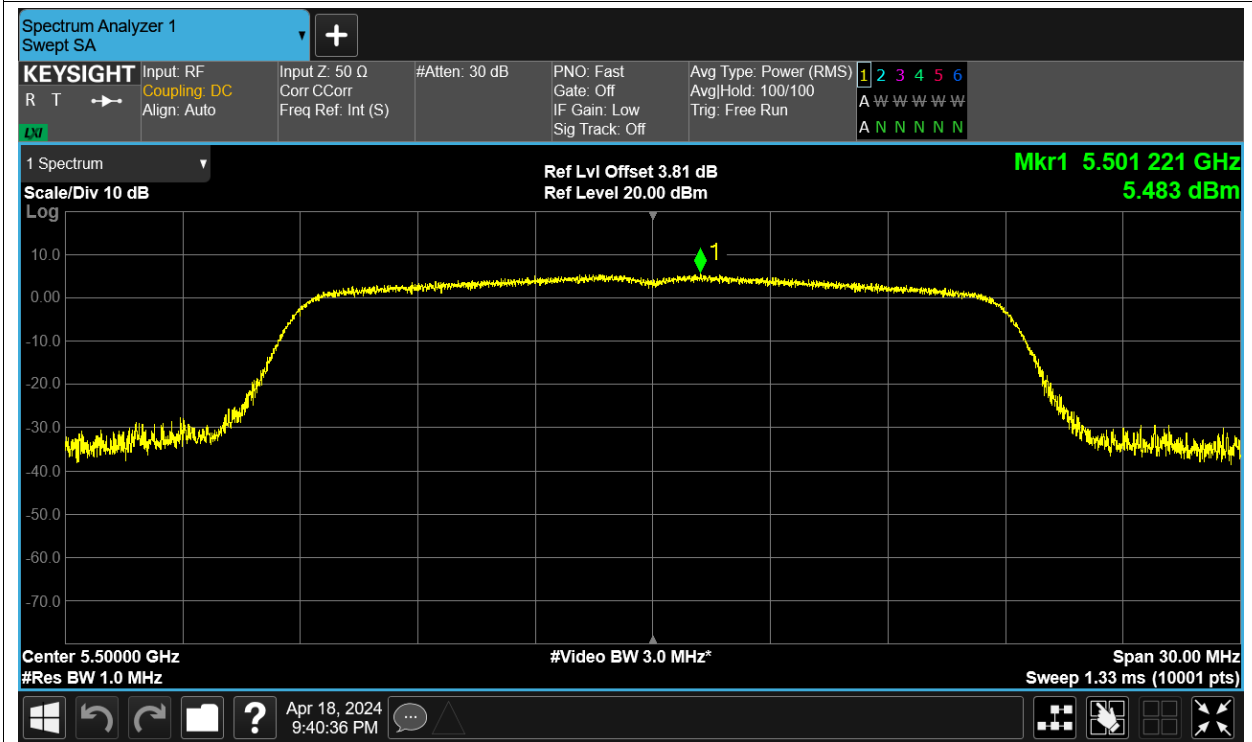
PSD NVNT ac80 5530MHz Ant1



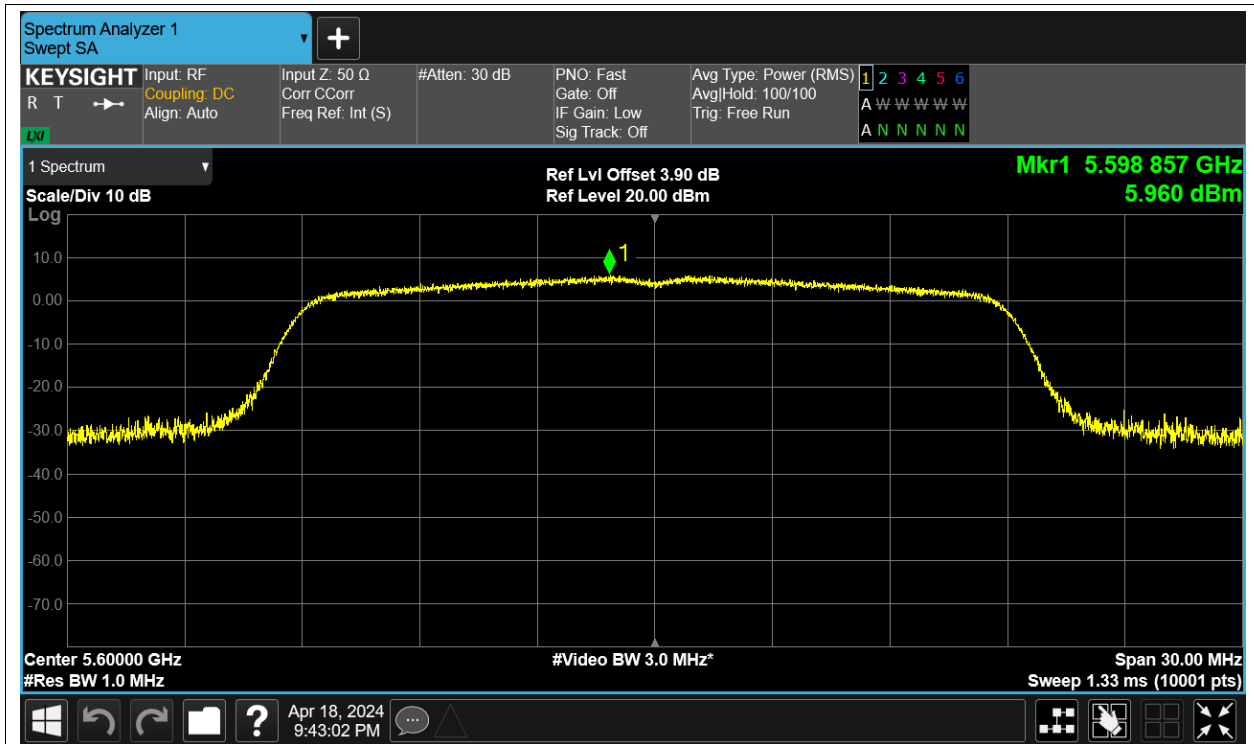
PSD NVNT ac80 5610MHz Ant1



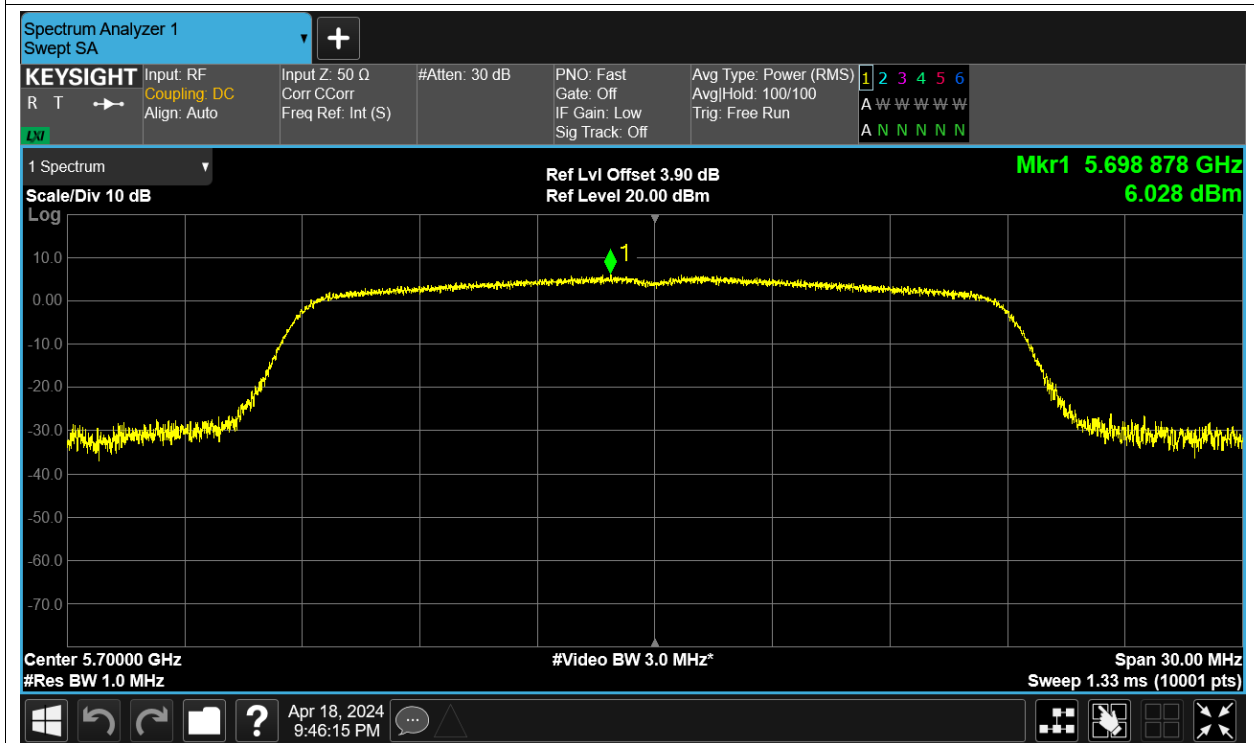
PSD NVNT n20 5500MHz Ant1



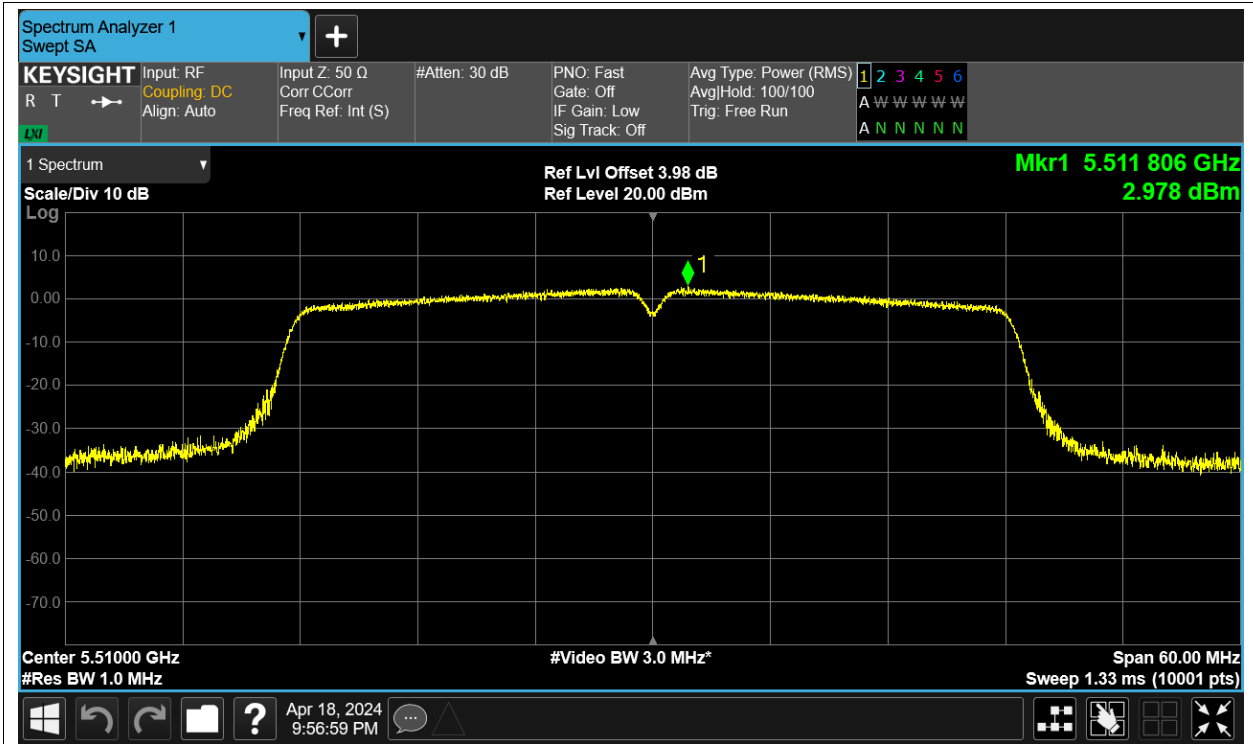
PSD NVNT n20 5600MHz Ant1



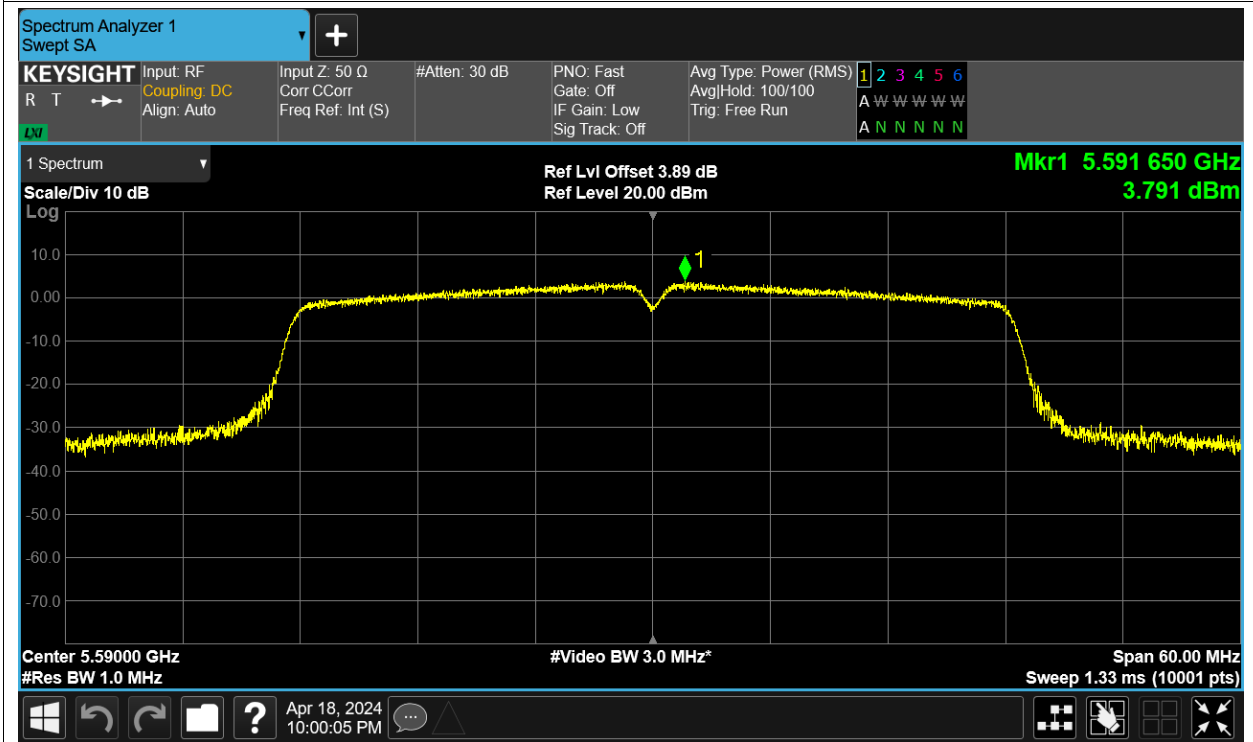
PSD NVNT n20 5700MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5667MHz Ant1

