

Test Data

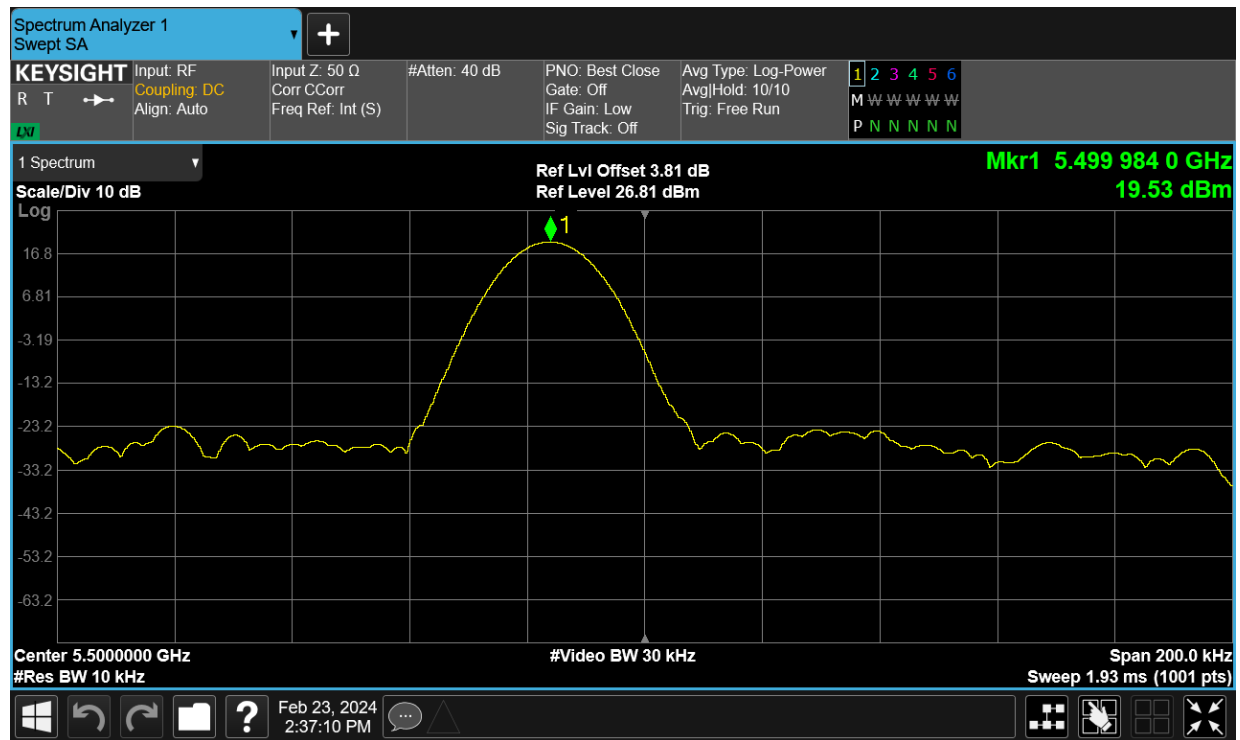
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant1	5499.984	-2.91	Within authorized band	Pass
LVNT	a	5500	Ant1	5499.984	-2.91		Pass
NVHT	a	5500	Ant1	5499.9842	-2.87		Pass
NVLT	a	5500	Ant1	5499.9846	-2.8		Pass
NVNT	a	5500	Ant1	5499.9854	-2.65		Pass
HVNT	ac80	5530	Ant1	5529.9844	-2.82		Pass
LVNT	ac80	5530	Ant1	5529.9846	-2.78		Pass
NVHT	ac80	5530	Ant1	5529.9846	-2.78		Pass
NVLT	ac80	5530	Ant1	5529.985	-2.71		Pass
NVNT	ac80	5530	Ant1	5529.9854	-2.64		Pass
HVNT	n40	5510	Ant1	5509.9844	-2.83		Pass
LVNT	n40	5510	Ant1	5509.9846	-2.79		Pass
NVHT	n40	5510	Ant1	5509.9846	-2.79		Pass
NVLT	n40	5510	Ant1	5509.9848	-2.76		Pass
NVNT	n40	5510	Ant1	5509.9858	-2.58		Pass

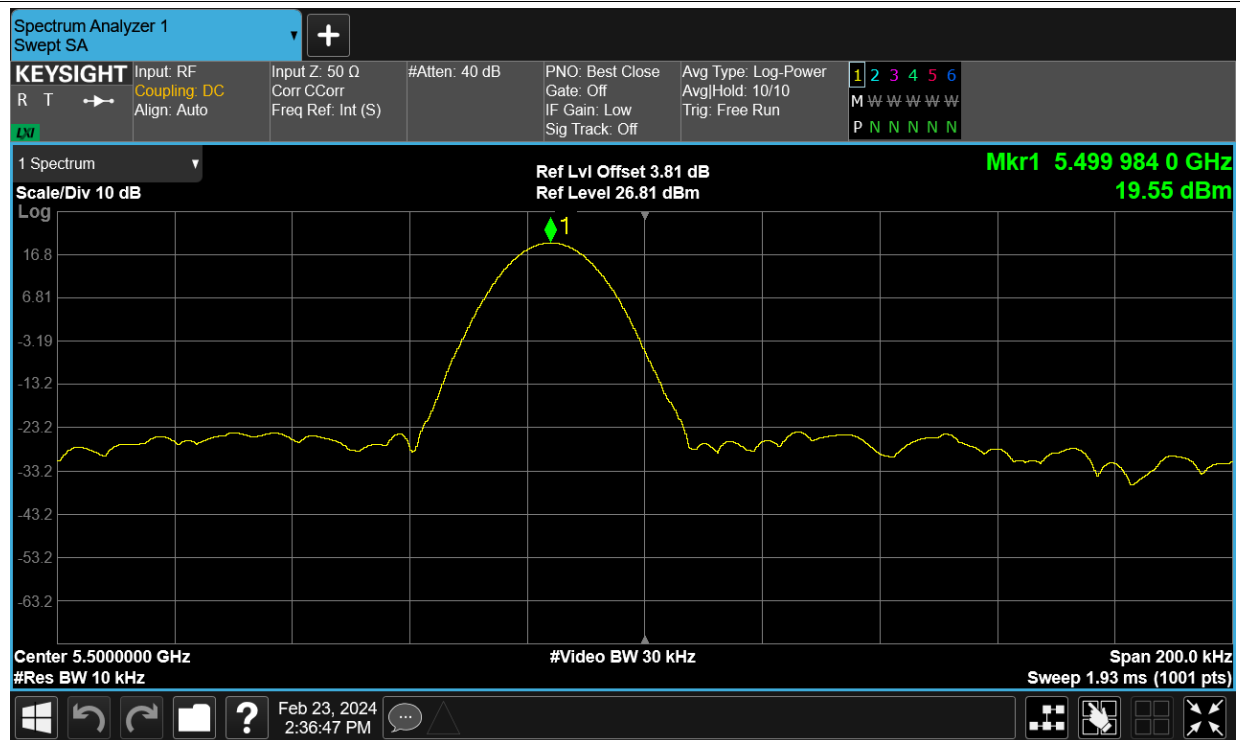
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

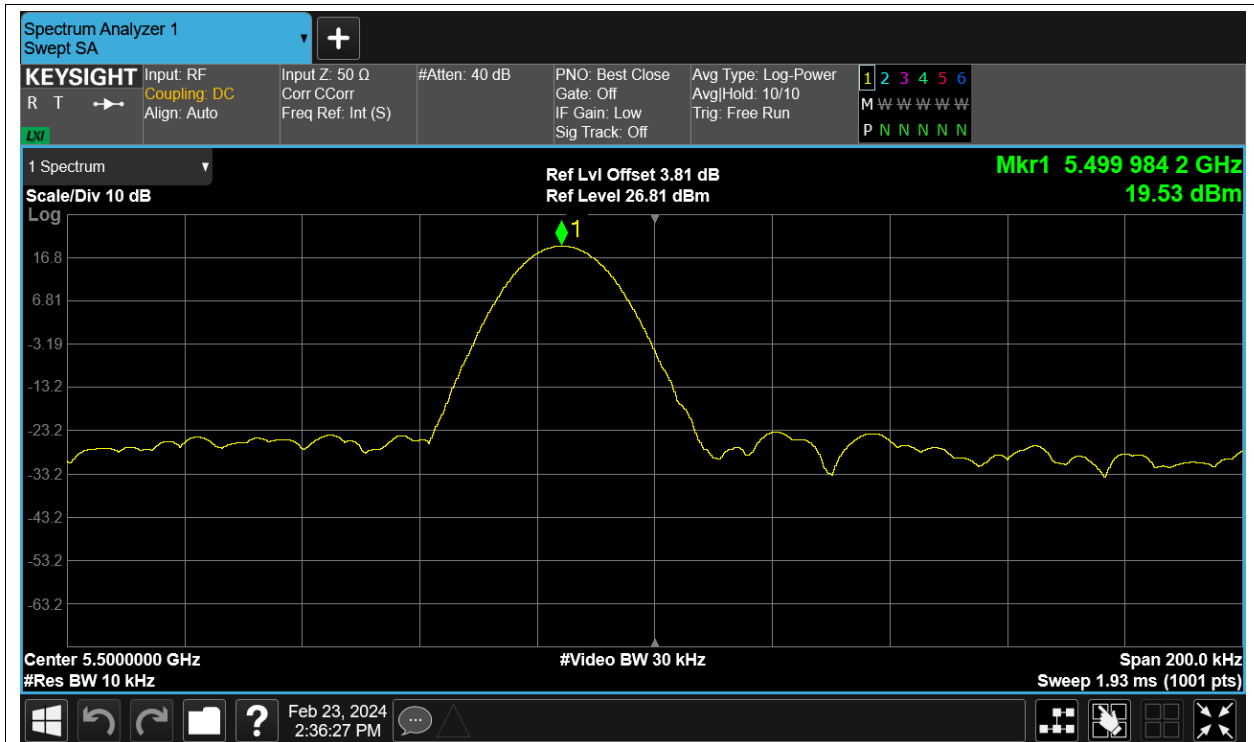
Freq. Stability HVNT a 5500MHz Ant1



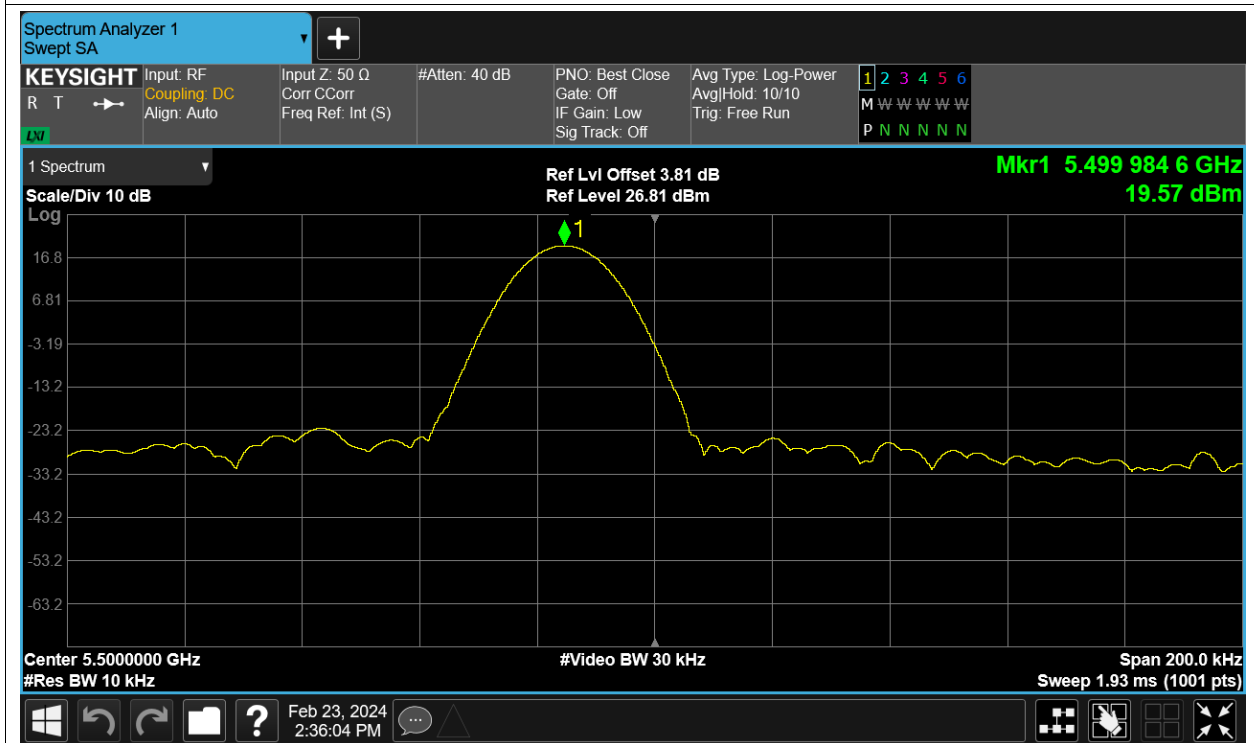
Freq. Stability LVNT a 5500MHz Ant1



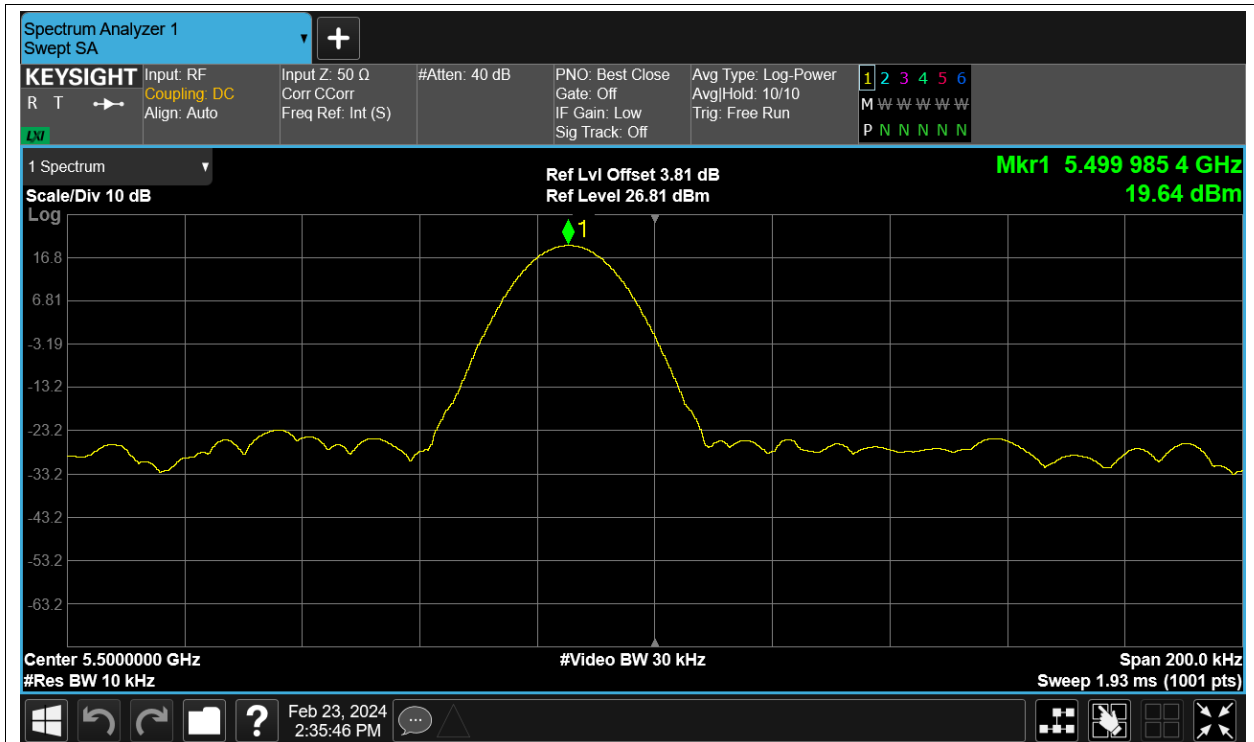
Freq. Stability NVHT a 5500MHz Ant1



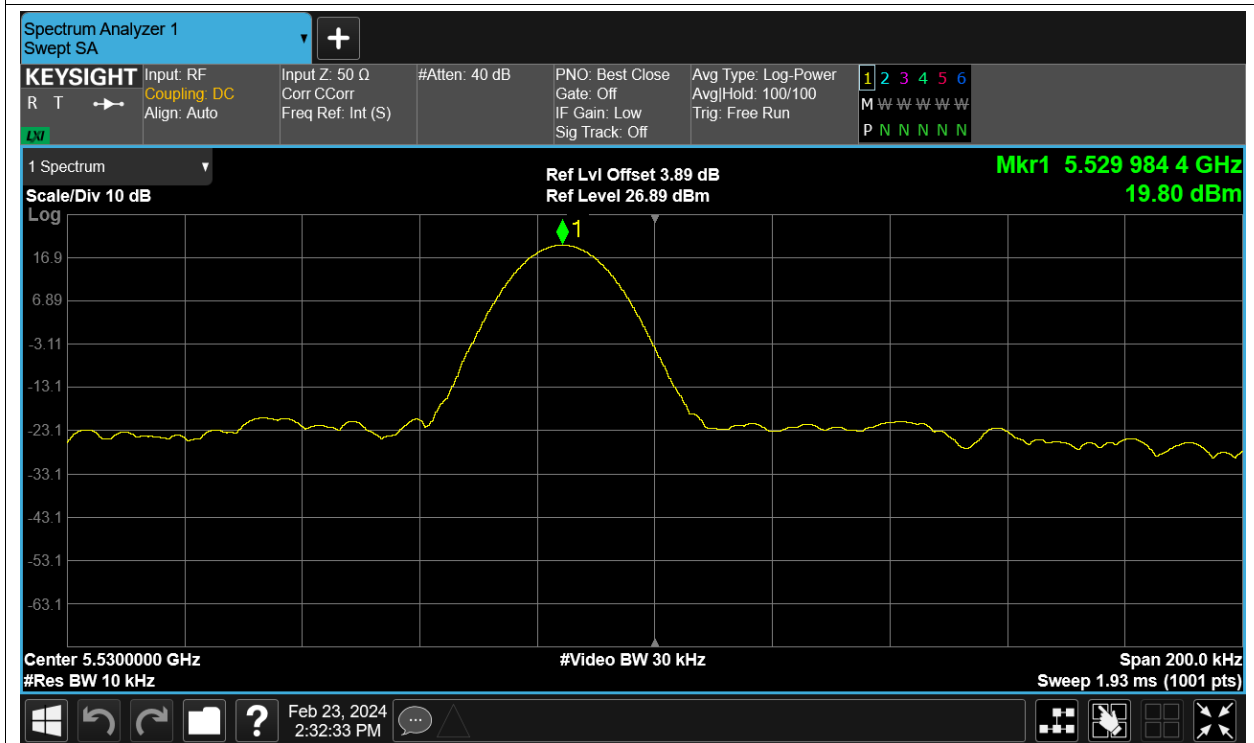
Freq. Stability NVLT a 5500MHz Ant1



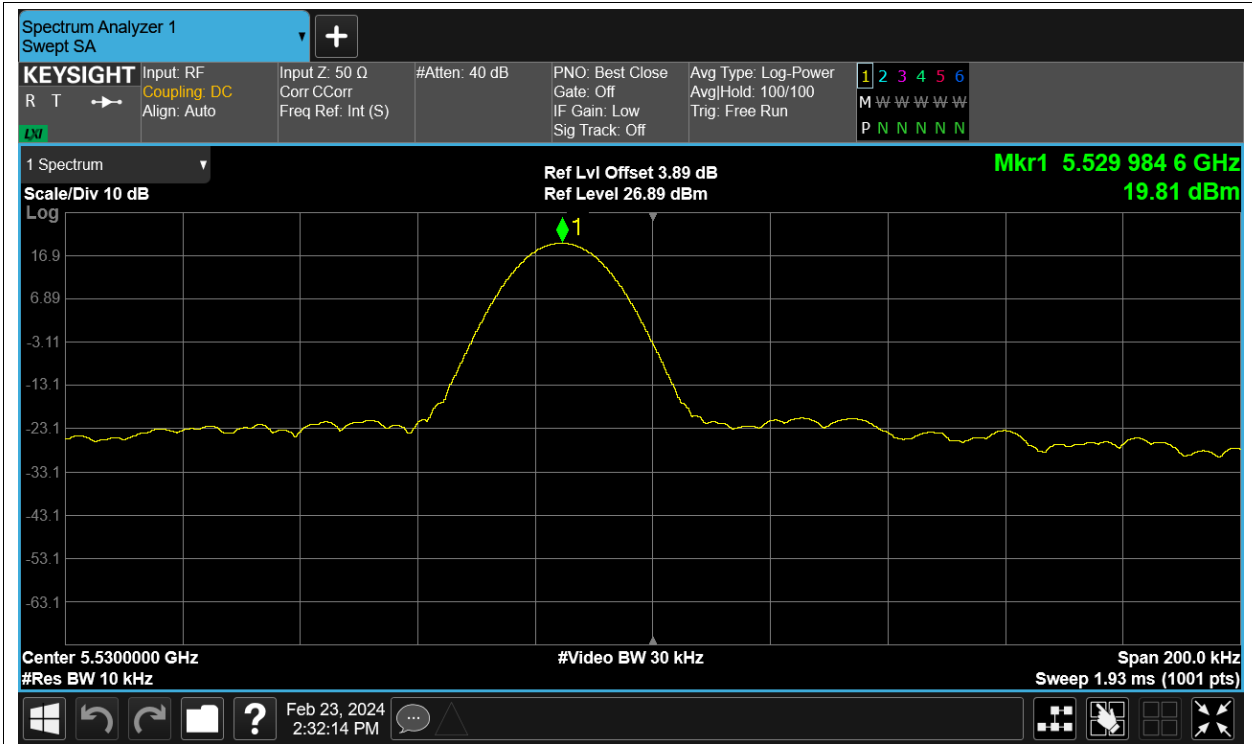
Freq. Stability NVNT a 5500MHz Ant1



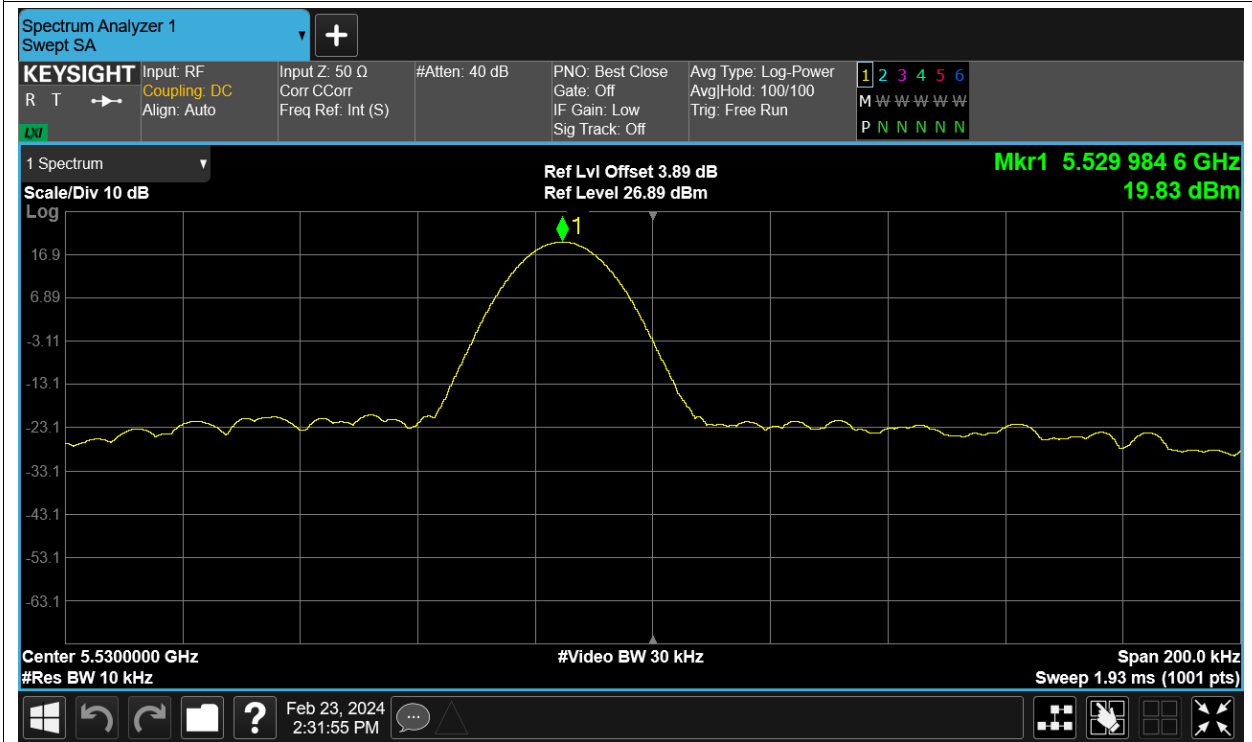
Freq. Stability HVNT ac80 5530MHz Ant1



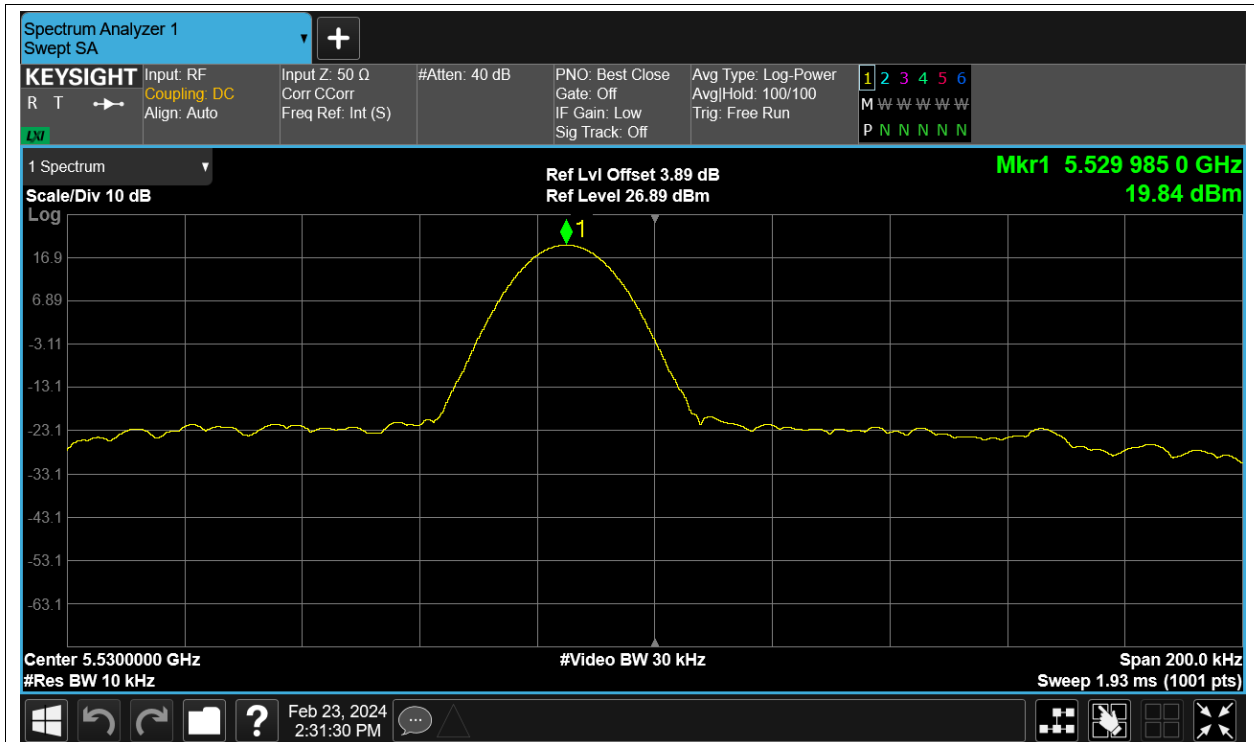
Freq. Stability LVNT ac80 5530MHz Ant1



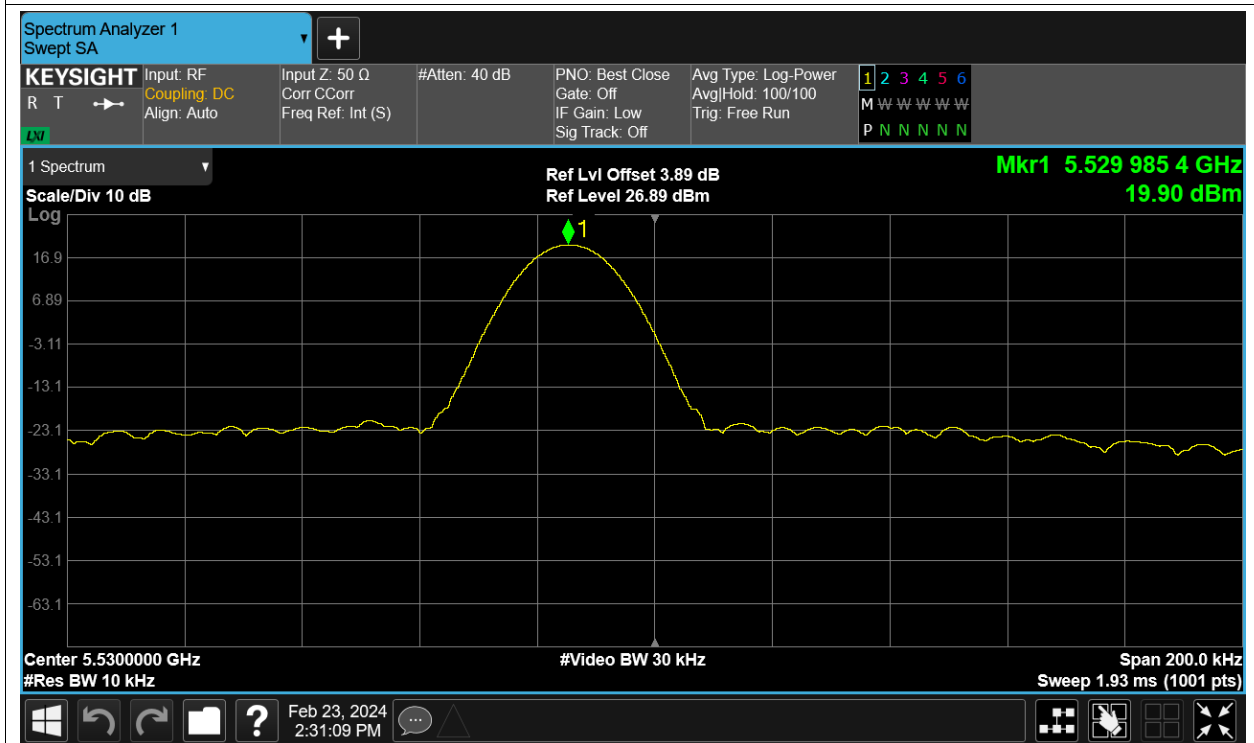
Freq. Stability NVHT ac80 5530MHz Ant1



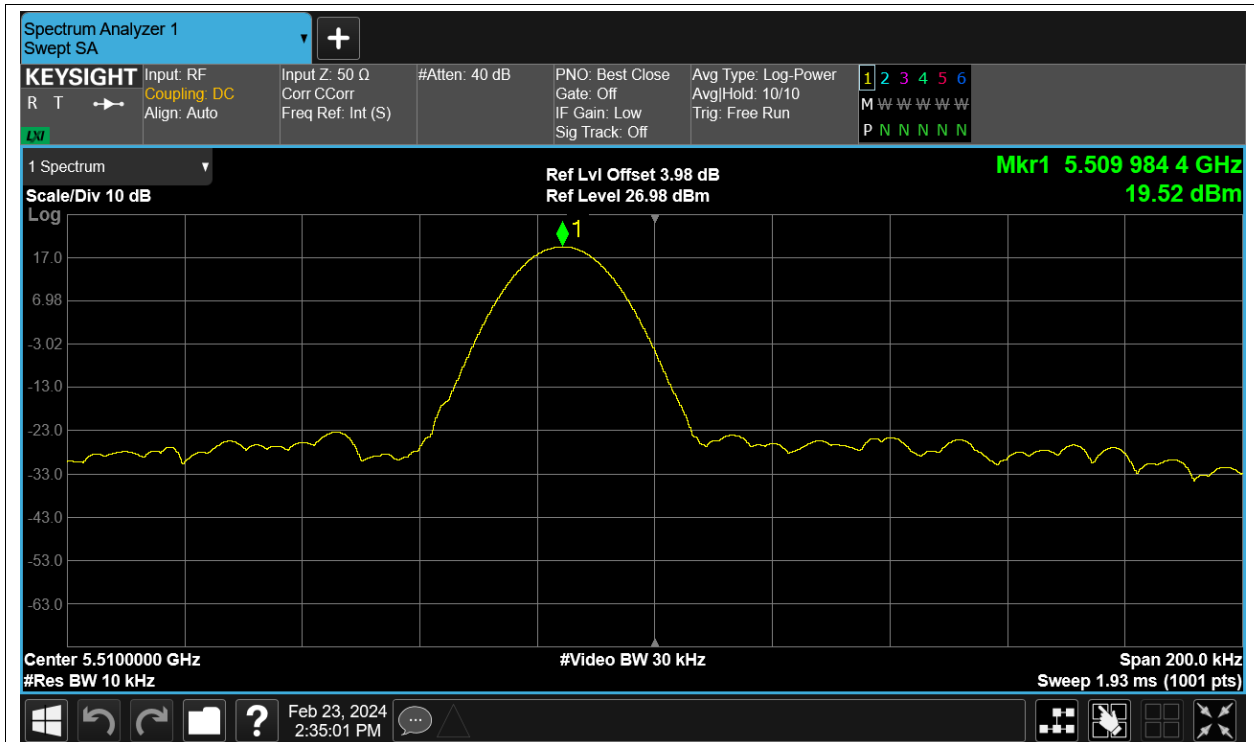
Freq. Stability NVLT ac80 5530MHz Ant1



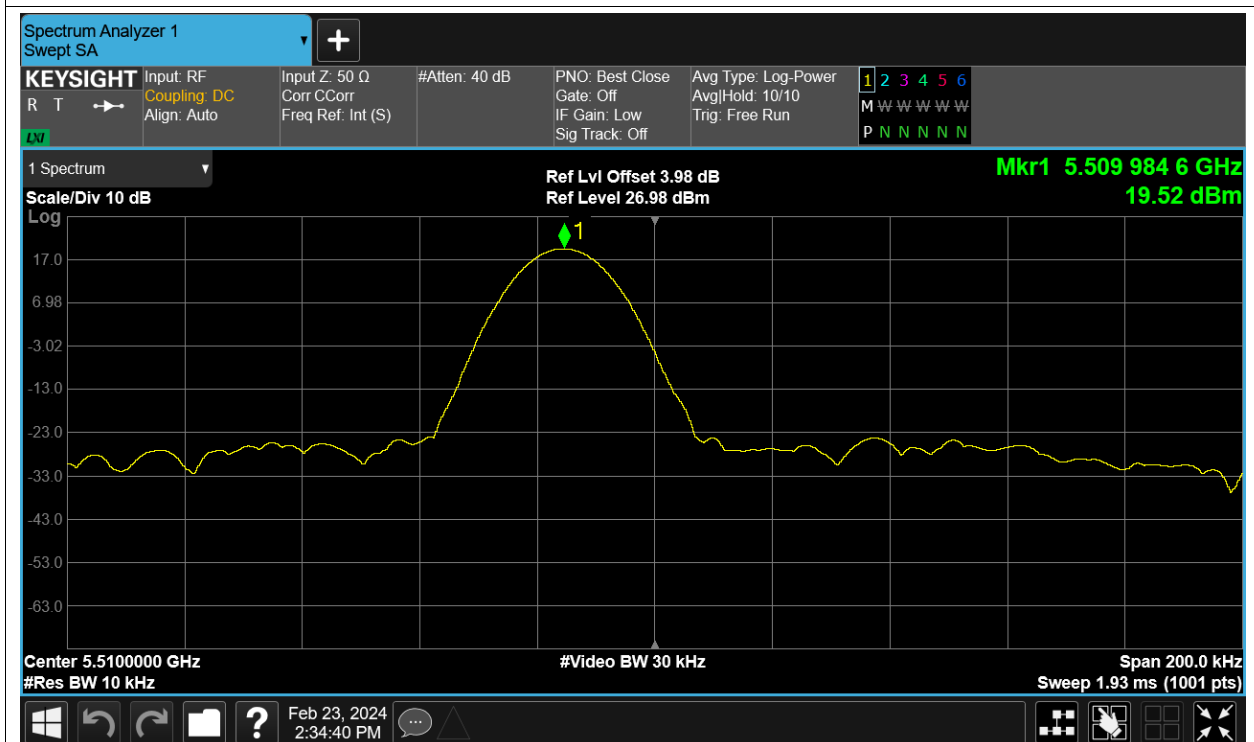
Freq. Stability NVNT ac80 5530MHz Ant1



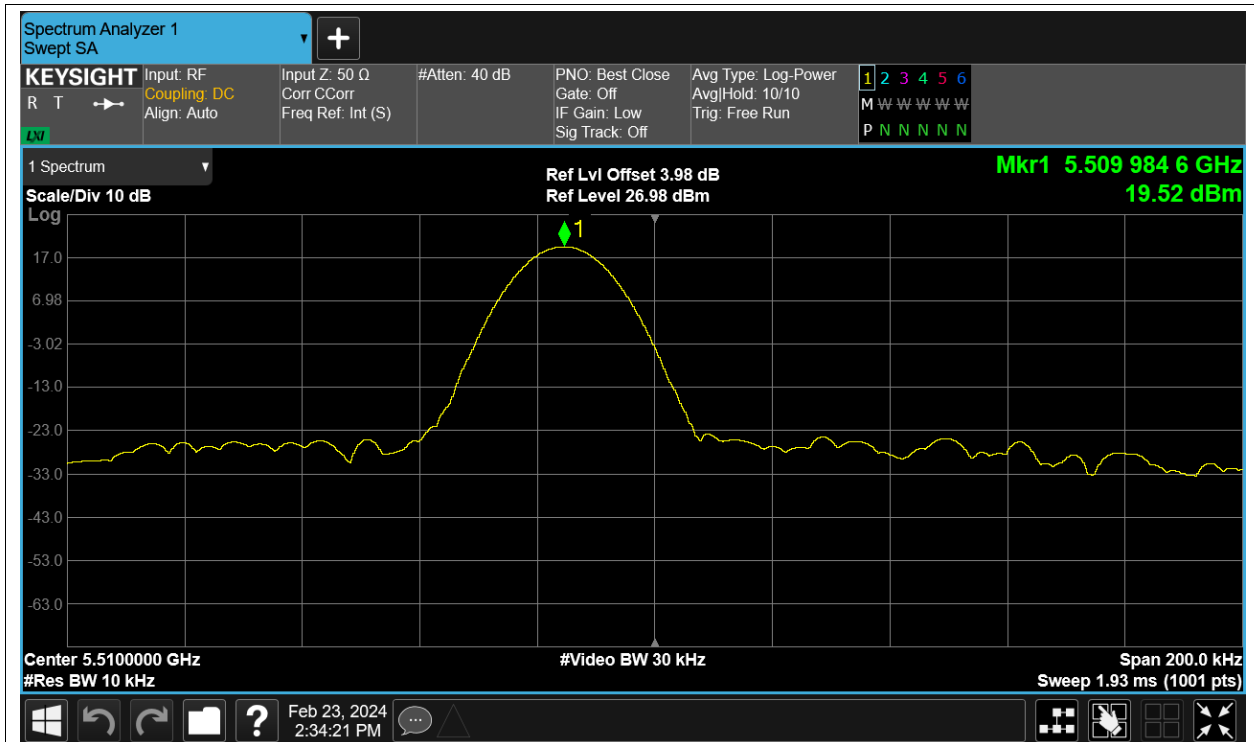
Freq. Stability HVNT n40 5510MHz Ant1



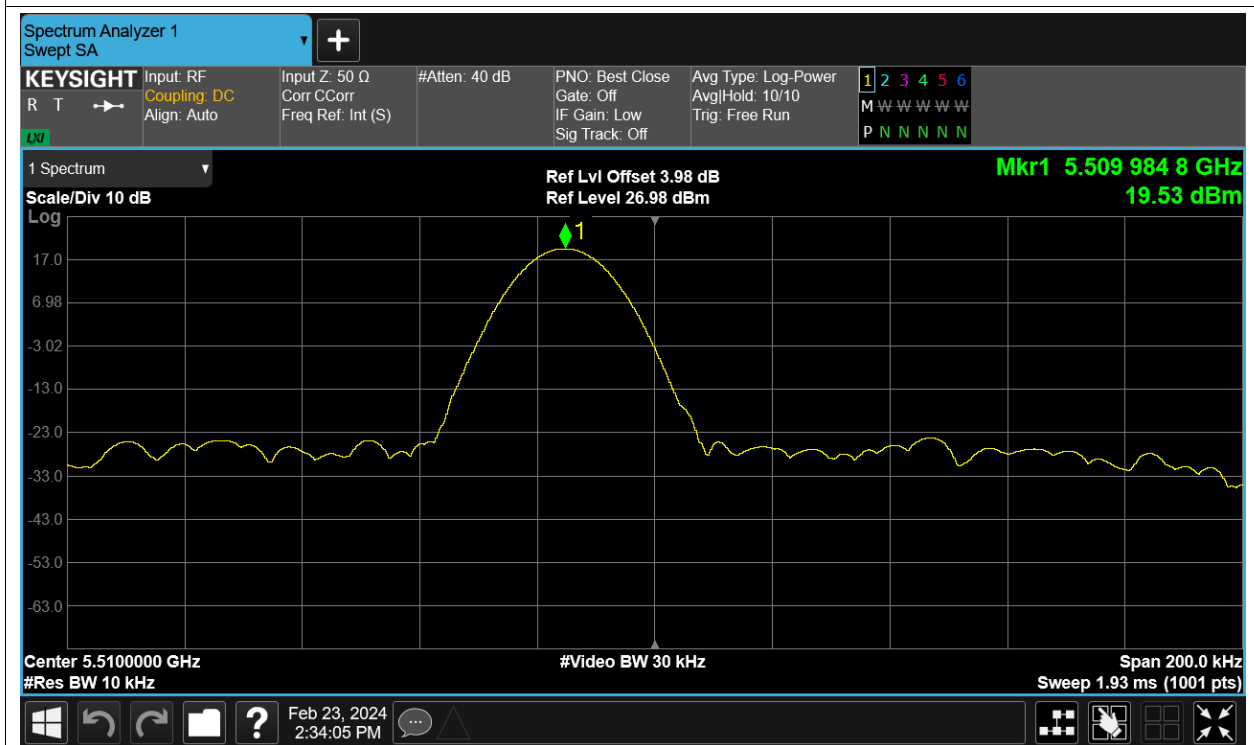
Freq. Stability LVNT n40 5510MHz Ant1



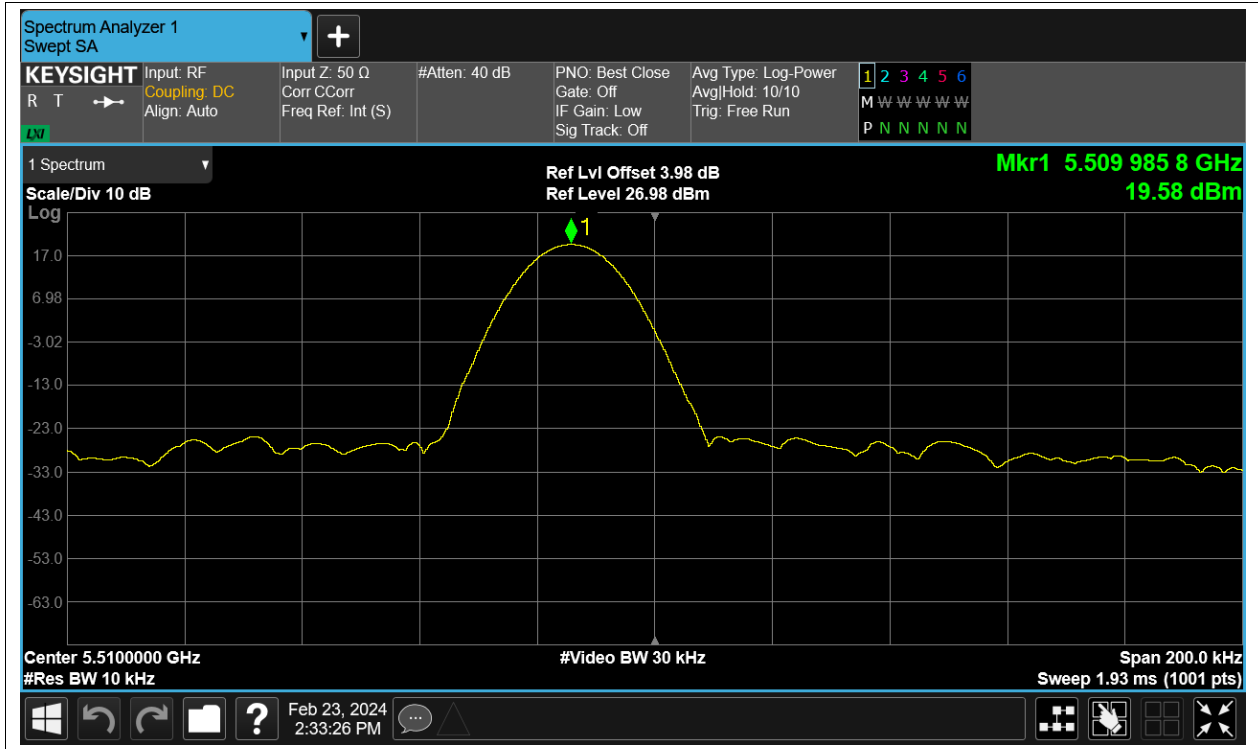
Freq. Stability NVHT n40 5510MHz Ant1



Freq. Stability NVLT n40 5510MHz Ant1

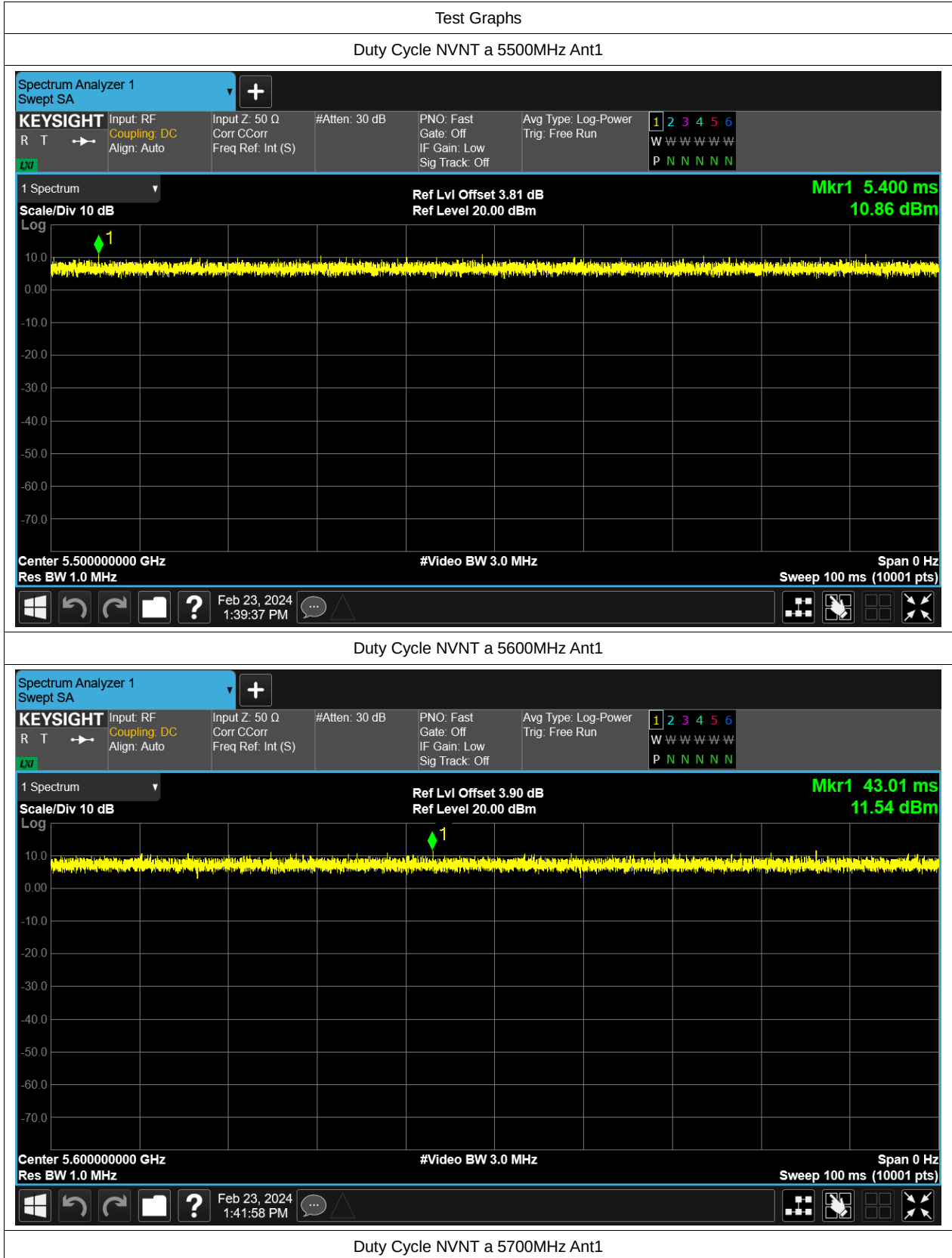


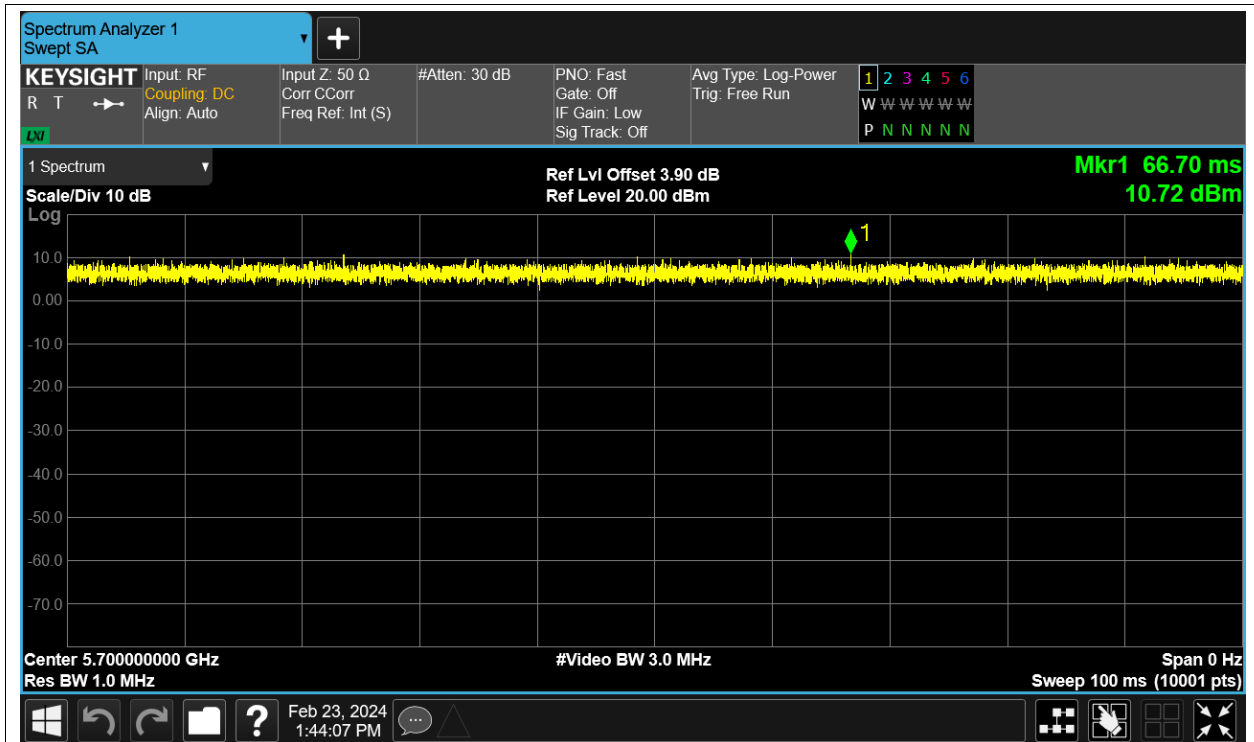
Freq. Stability NVNT n40 5510MHz Ant1



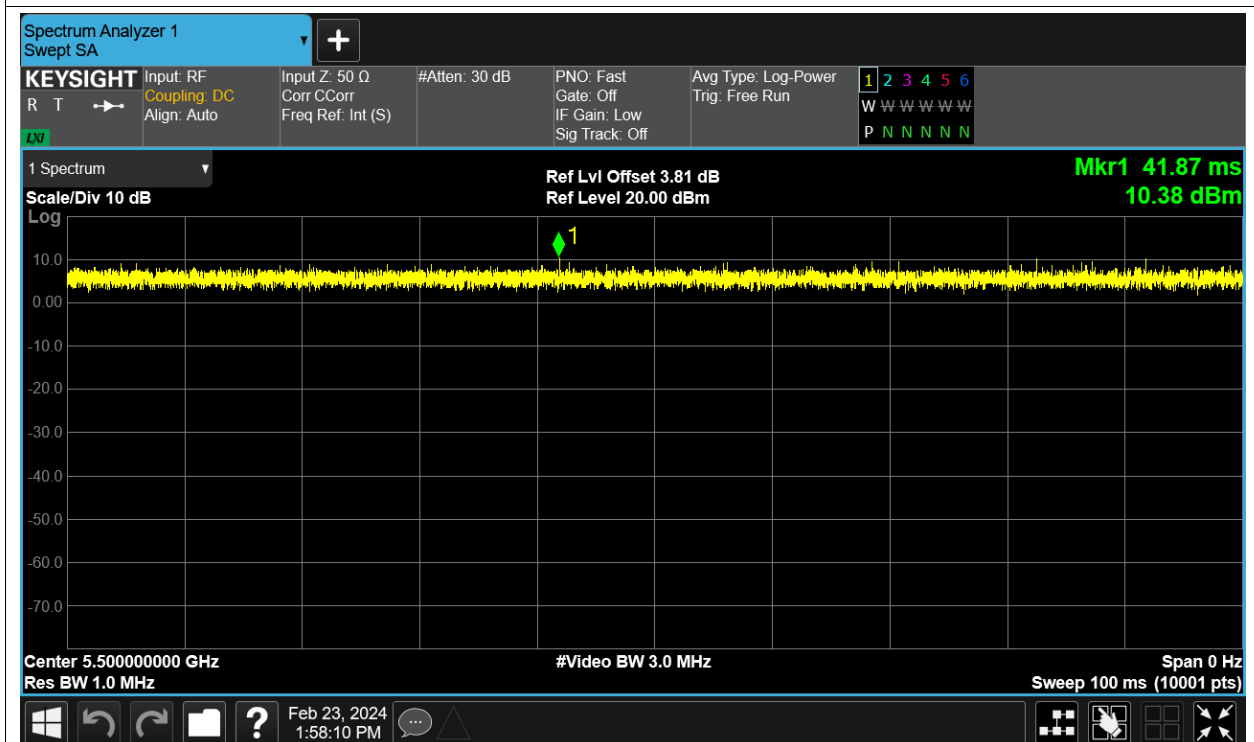
Duty Cycle

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

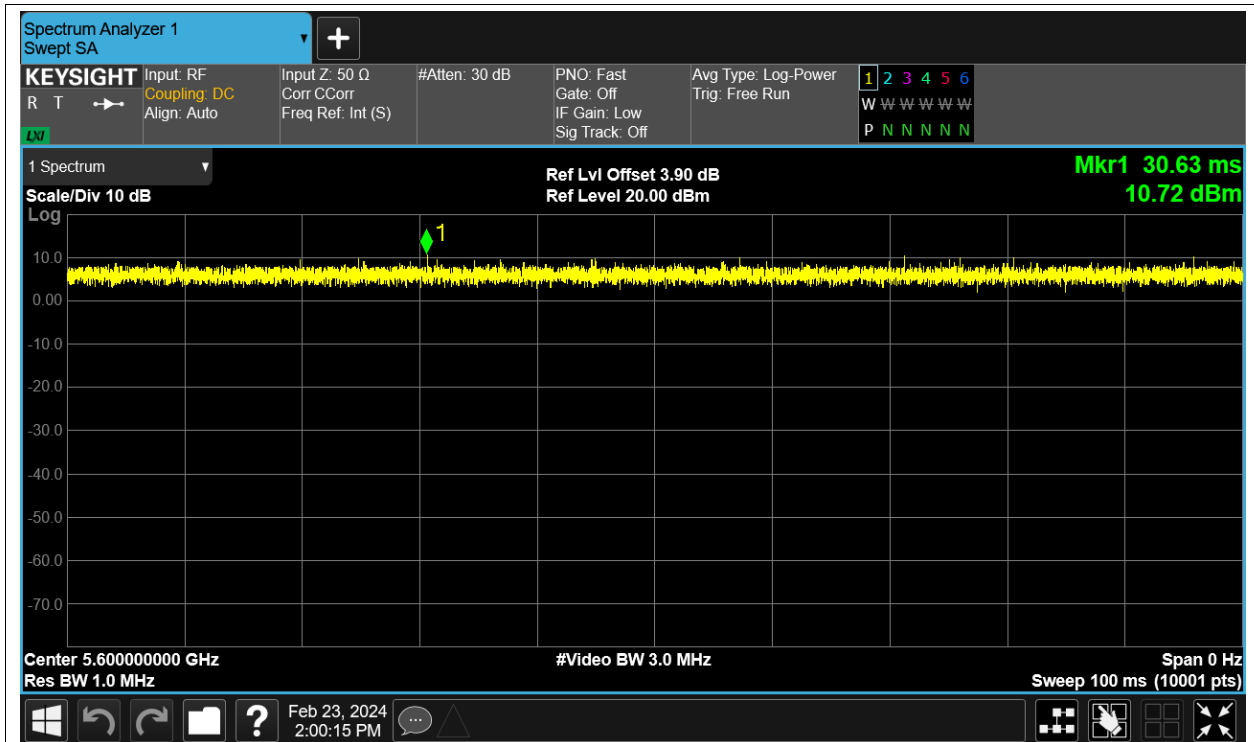




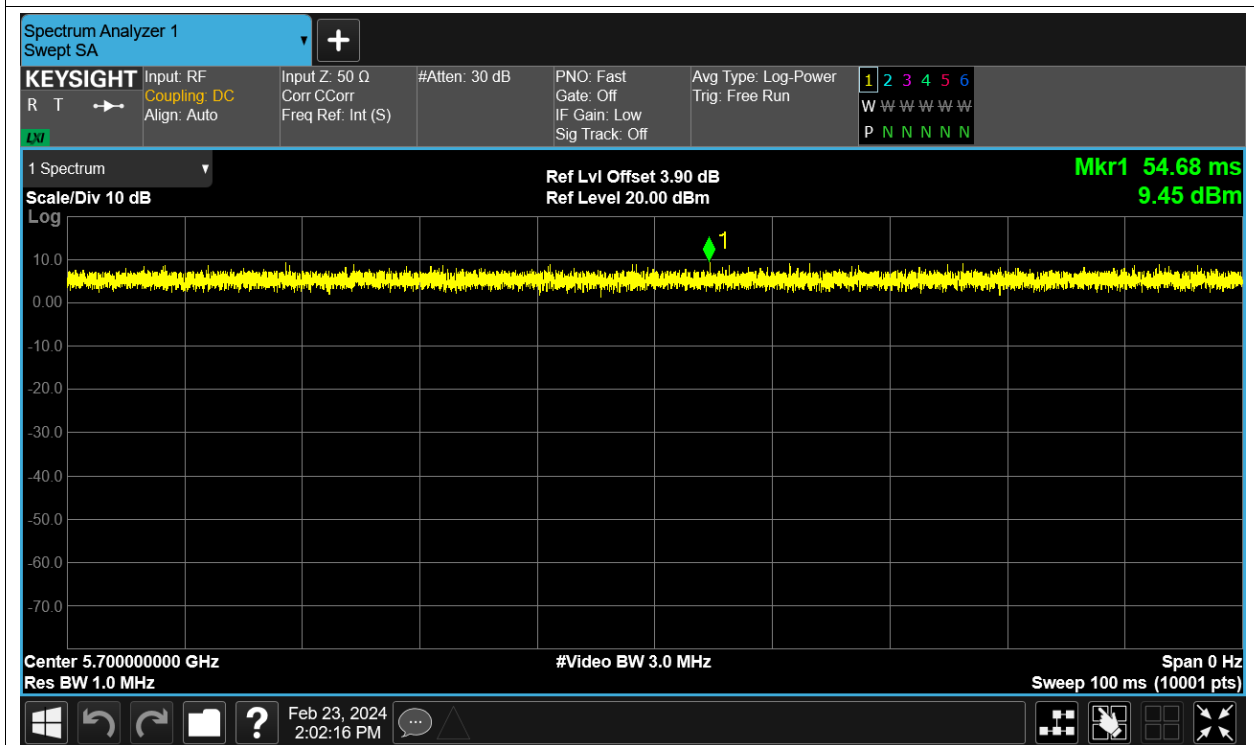
Duty Cycle NVNT ac20 5500MHz Ant1



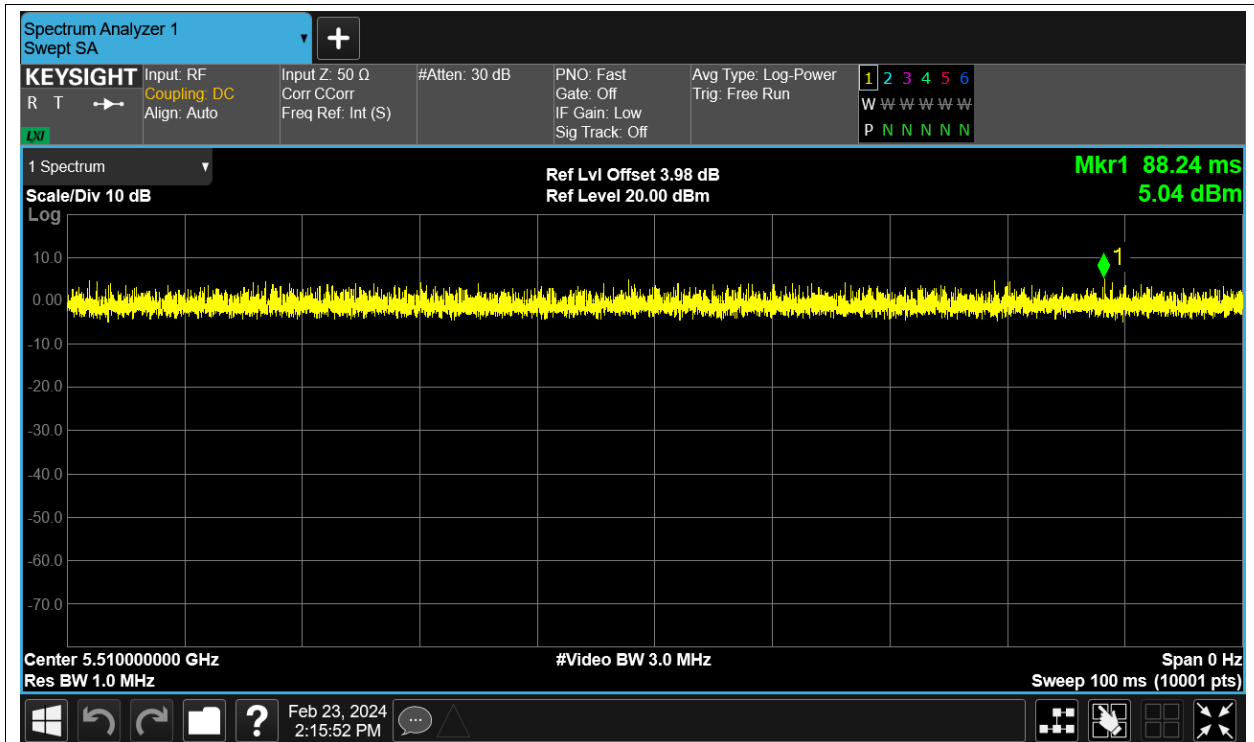
Duty Cycle NVNT ac20 5600MHz Ant1



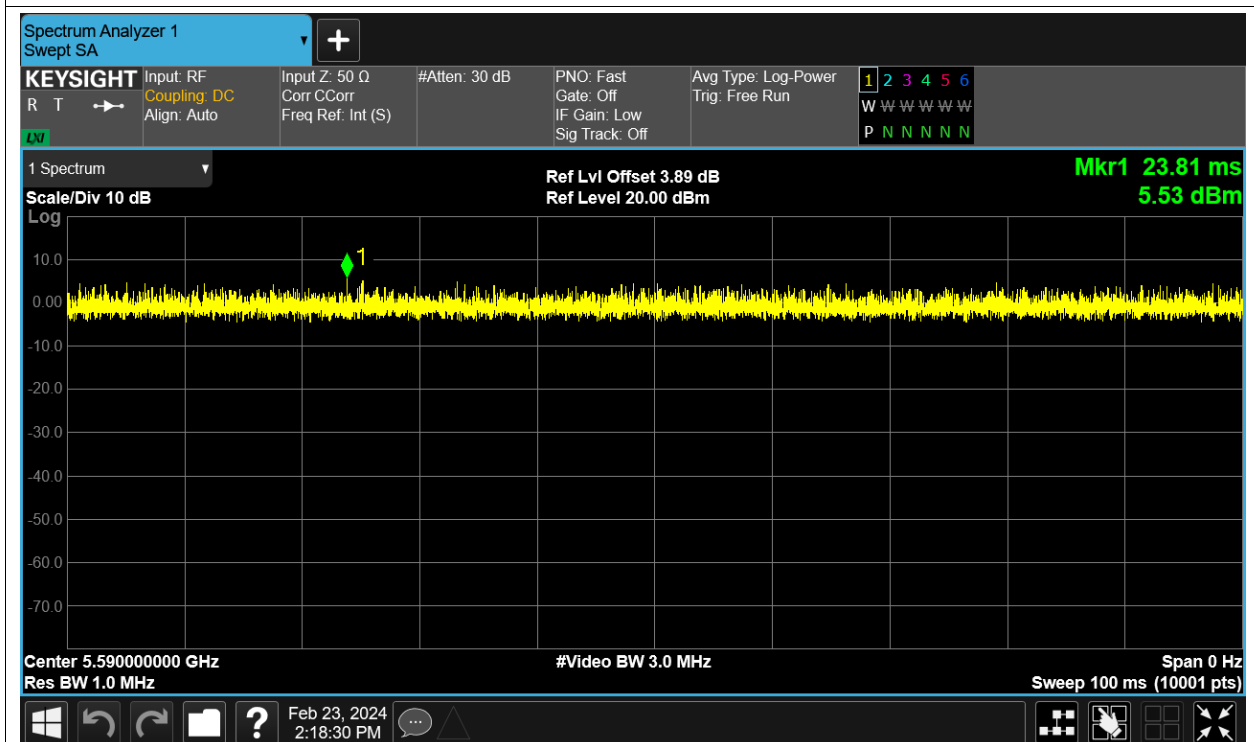
Duty Cycle NVNT ac20 5700MHz Ant1



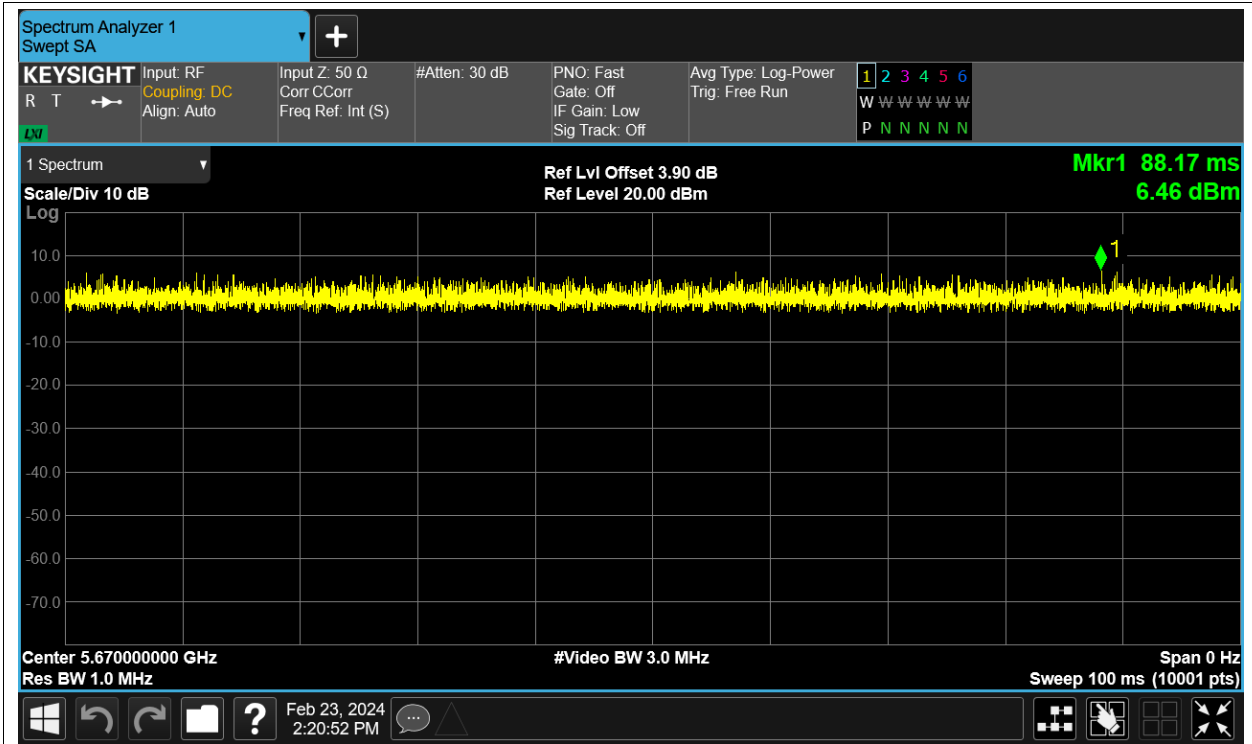
Duty Cycle NVNT ac40 5510MHz Ant1



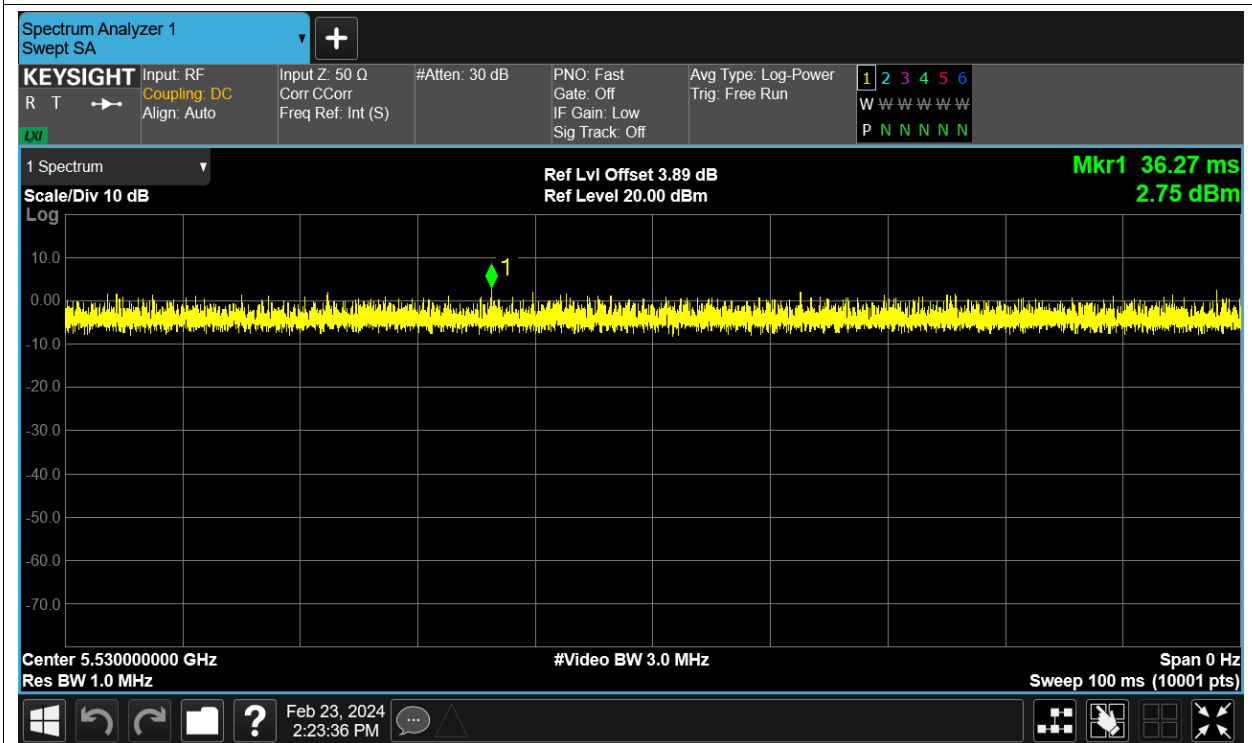
Duty Cycle NVNT ac40 5590MHz Ant1



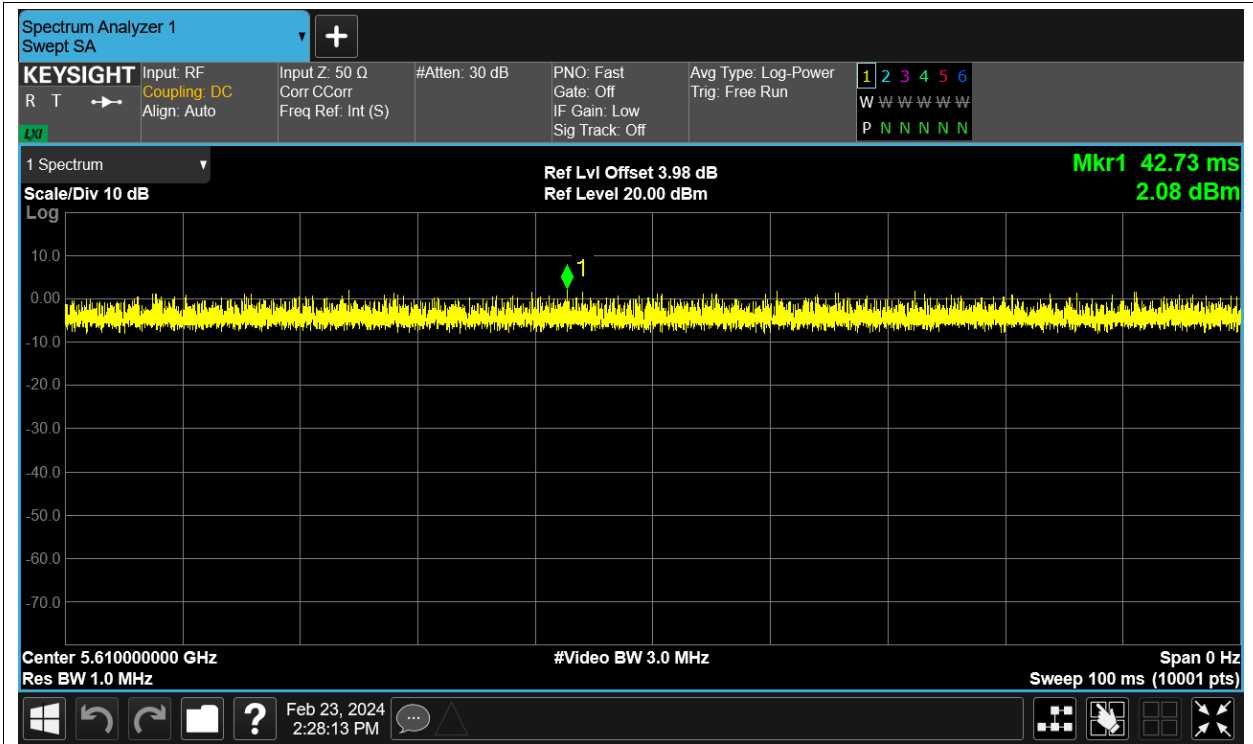
Duty Cycle NVNT ac40 5670MHz Ant1



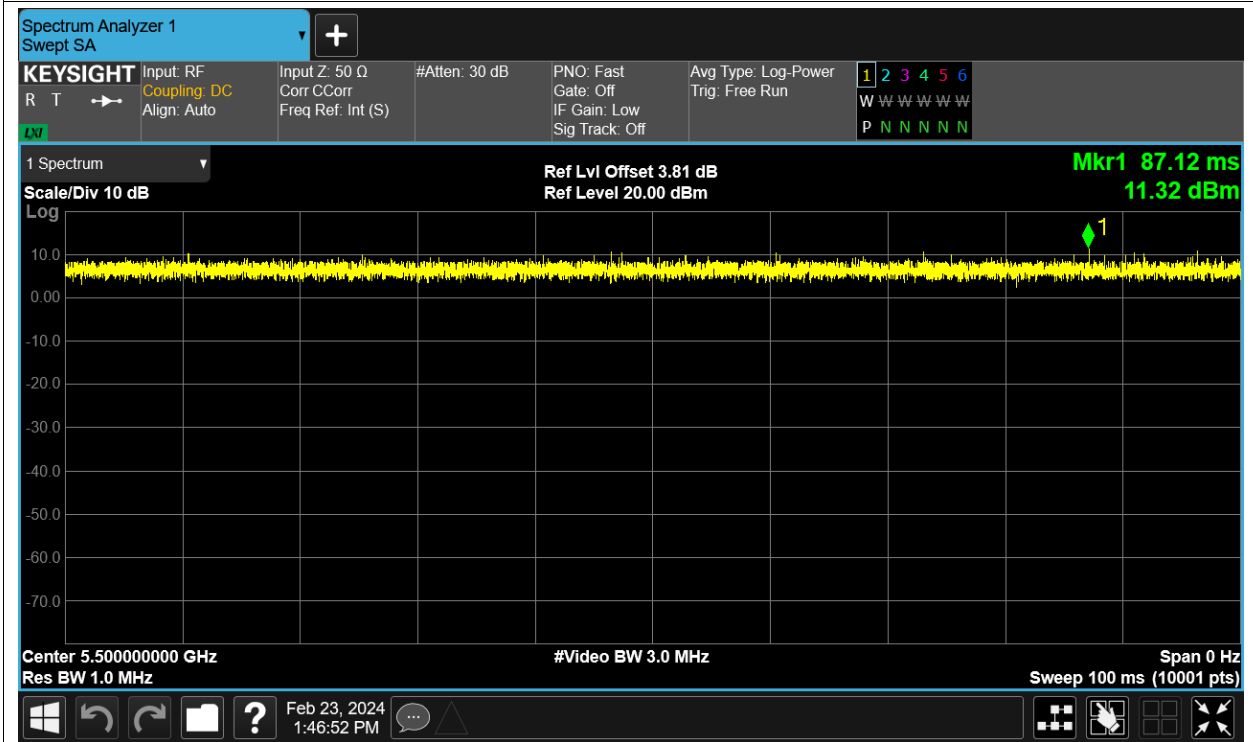
Duty Cycle NVNT ac80 5530MHz Ant1



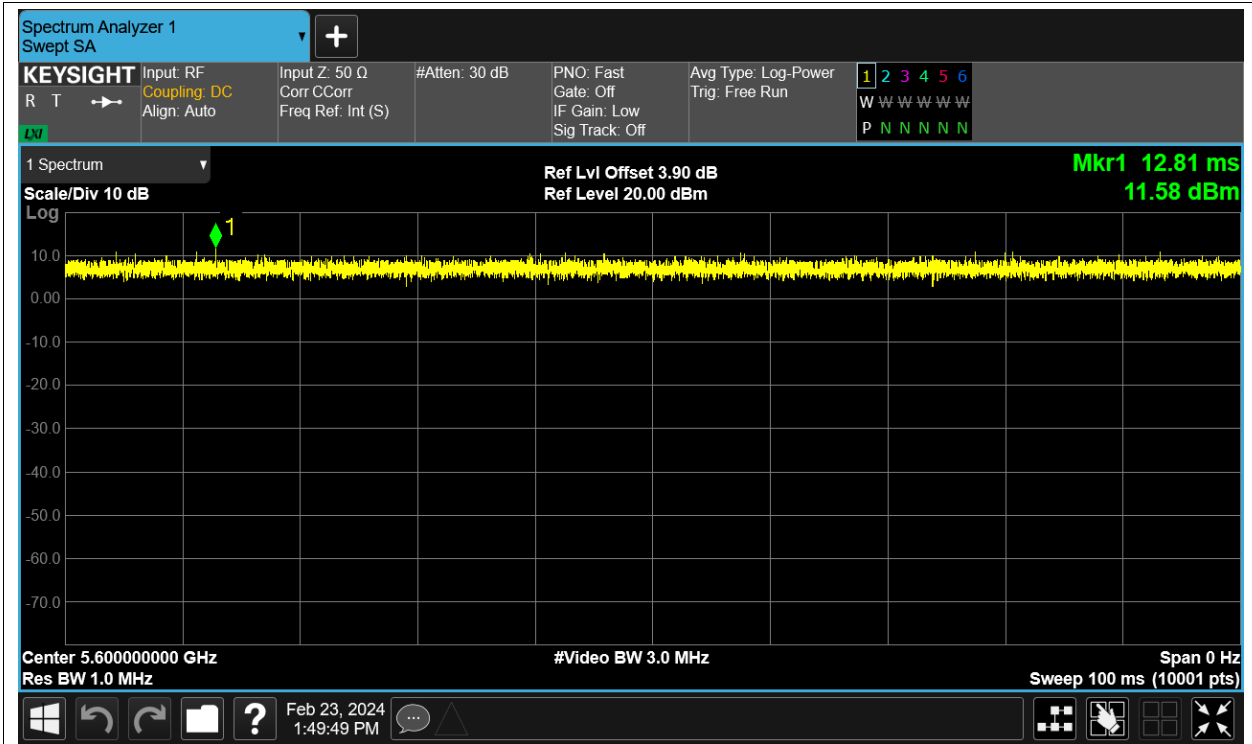
Duty Cycle NVNT ac80 5610MHz Ant1



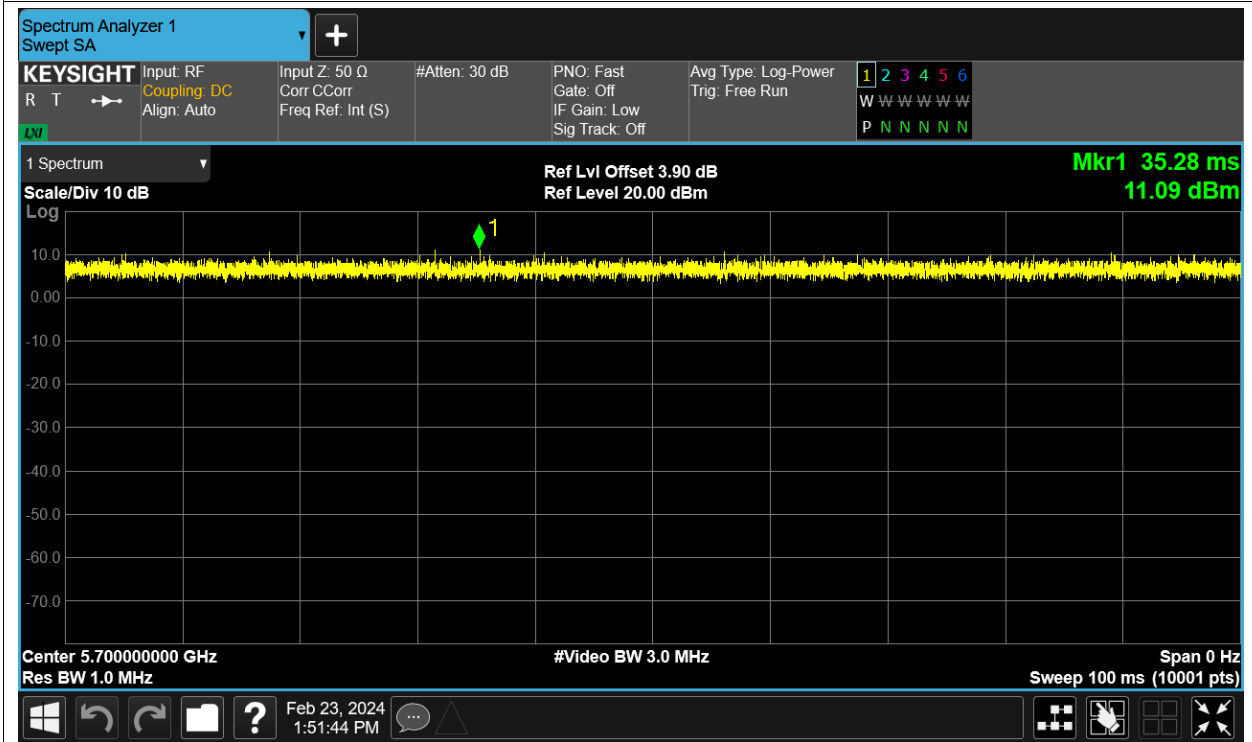
Duty Cycle NVNT n20 5500MHz Ant1



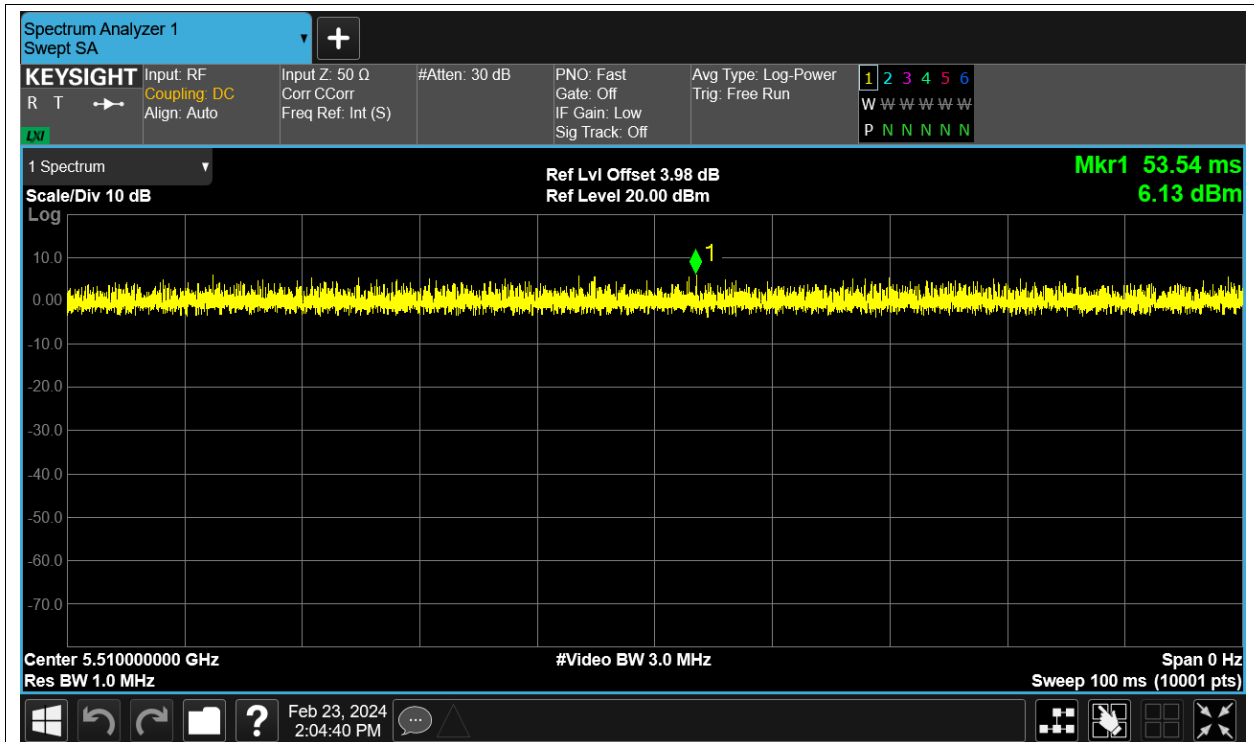
Duty Cycle NVNT n20 5600MHz Ant1



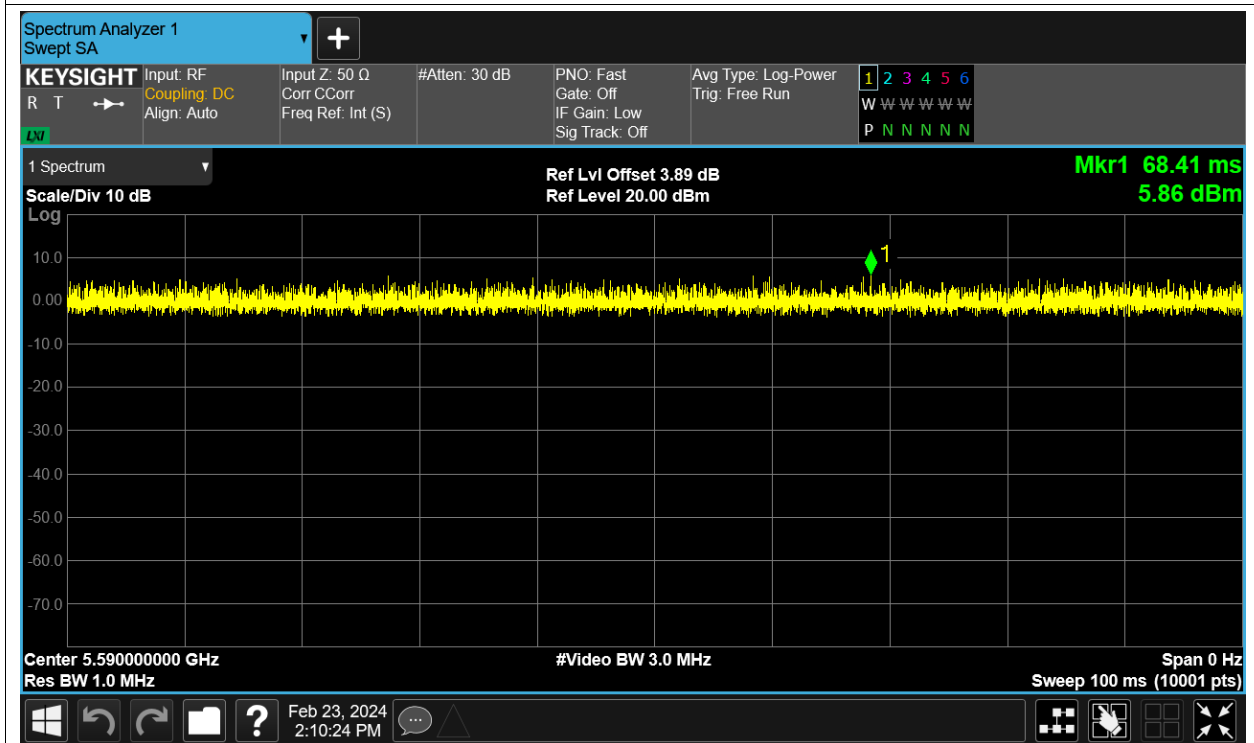
Duty Cycle NVNT n20 5700MHz Ant1



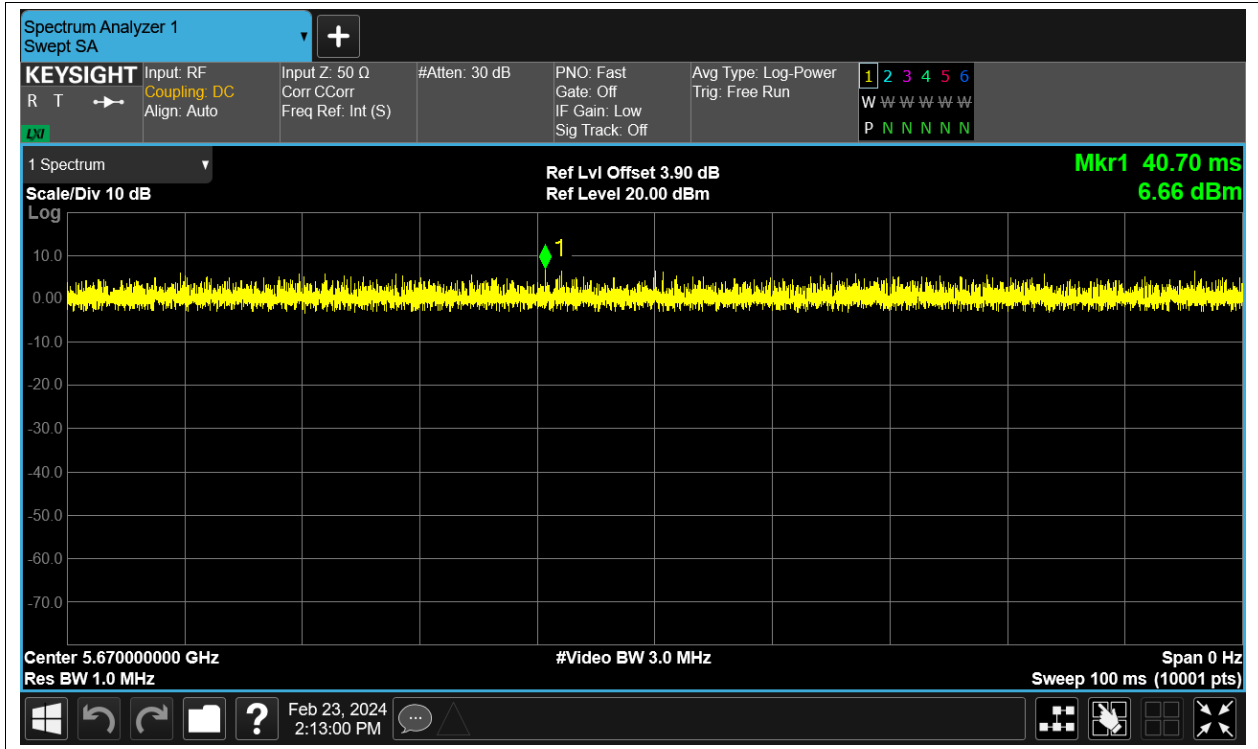
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



Maximum Conducted Output Power

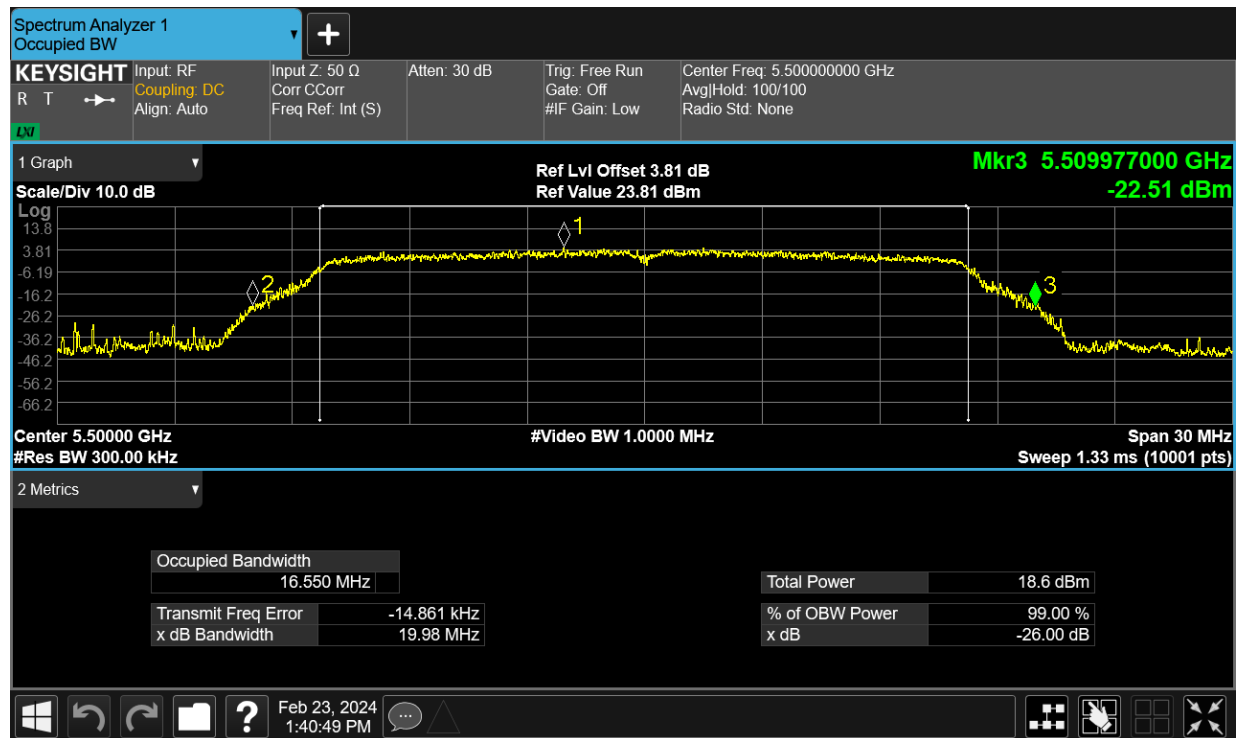
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	13.83	0	13.83	24	Pass
NVNT	a	5600	Ant1	13.91	0	13.91	24	Pass
NVNT	a	5700	Ant1	13.92	0	13.92	24	Pass
NVNT	ac20	5500	Ant1	13.22	0	13.22	24	Pass
NVNT	ac20	5600	Ant1	12.8	0	12.8	24	Pass
NVNT	ac20	5700	Ant1	13.16	0	13.16	24	Pass
NVNT	ac40	5510	Ant1	12.96	0	12.96	24	Pass
NVNT	ac40	5590	Ant1	12.83	0	12.83	24	Pass
NVNT	ac40	5670	Ant1	13.3	0	13.3	24	Pass
NVNT	ac80	5530	Ant1	12.88	0	12.88	24	Pass
NVNT	ac80	5610	Ant1	12.65	0	12.65	24	Pass
NVNT	n20	5500	Ant1	13.9	0	13.9	24	Pass
NVNT	n20	5600	Ant1	13.61	0	13.61	24	Pass
NVNT	n20	5700	Ant1	14.25	0	14.25	24	Pass
NVNT	n40	5510	Ant1	14.02	0	14.02	24	Pass
NVNT	n40	5590	Ant1	13.5	0	13.5	24	Pass
NVNT	n40	5670	Ant1	13.5	0	13.5	24	Pass

-26dB Bandwidth

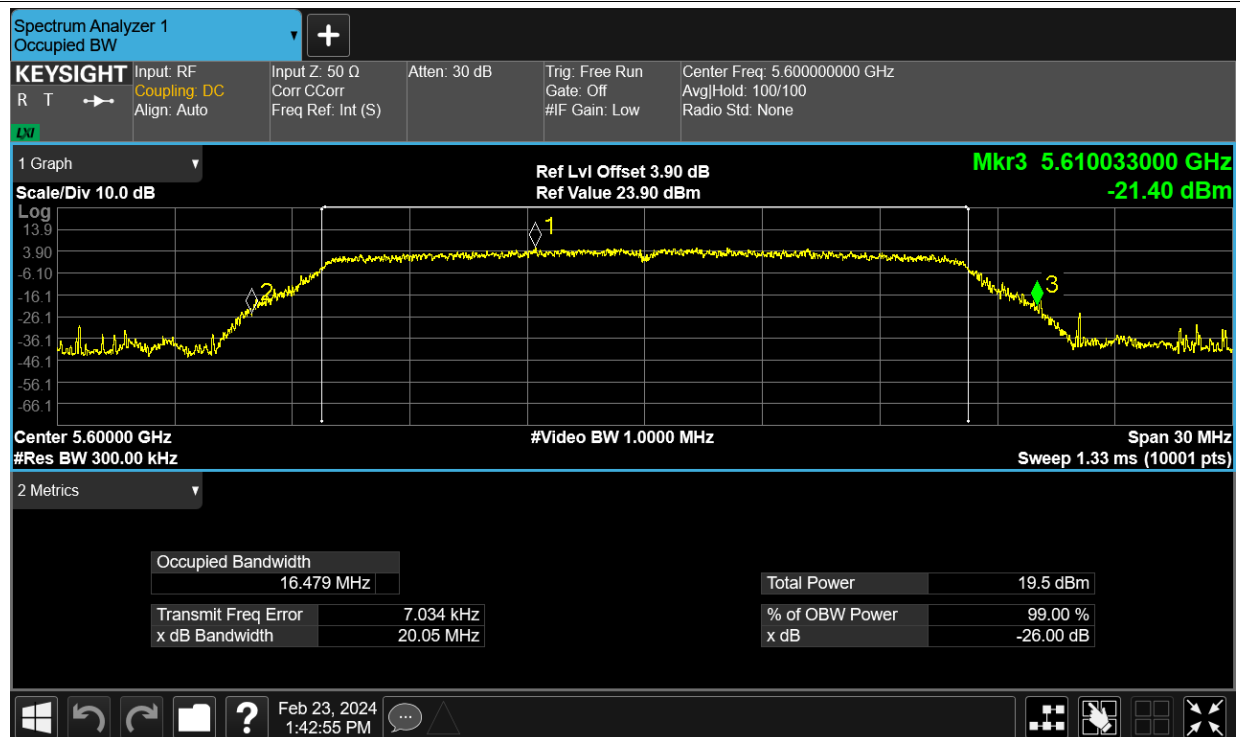
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	19.983
NVNT	a	5600	Ant1	20.051
NVNT	a	5700	Ant1	19.888
NVNT	ac20	5500	Ant1	20.417
NVNT	ac20	5600	Ant1	20.165
NVNT	ac20	5700	Ant1	20.323
NVNT	ac40	5510	Ant1	39.698
NVNT	ac40	5590	Ant1	40.022
NVNT	ac40	5670	Ant1	39.516
NVNT	ac80	5530	Ant1	79.007
NVNT	ac80	5610	Ant1	79.666
NVNT	n20	5500	Ant1	20.317
NVNT	n20	5600	Ant1	20.201
NVNT	n20	5700	Ant1	20.279
NVNT	n40	5510	Ant1	40.021
NVNT	n40	5590	Ant1	39.641
NVNT	n40	5670	Ant1	39.817

Test Graphs

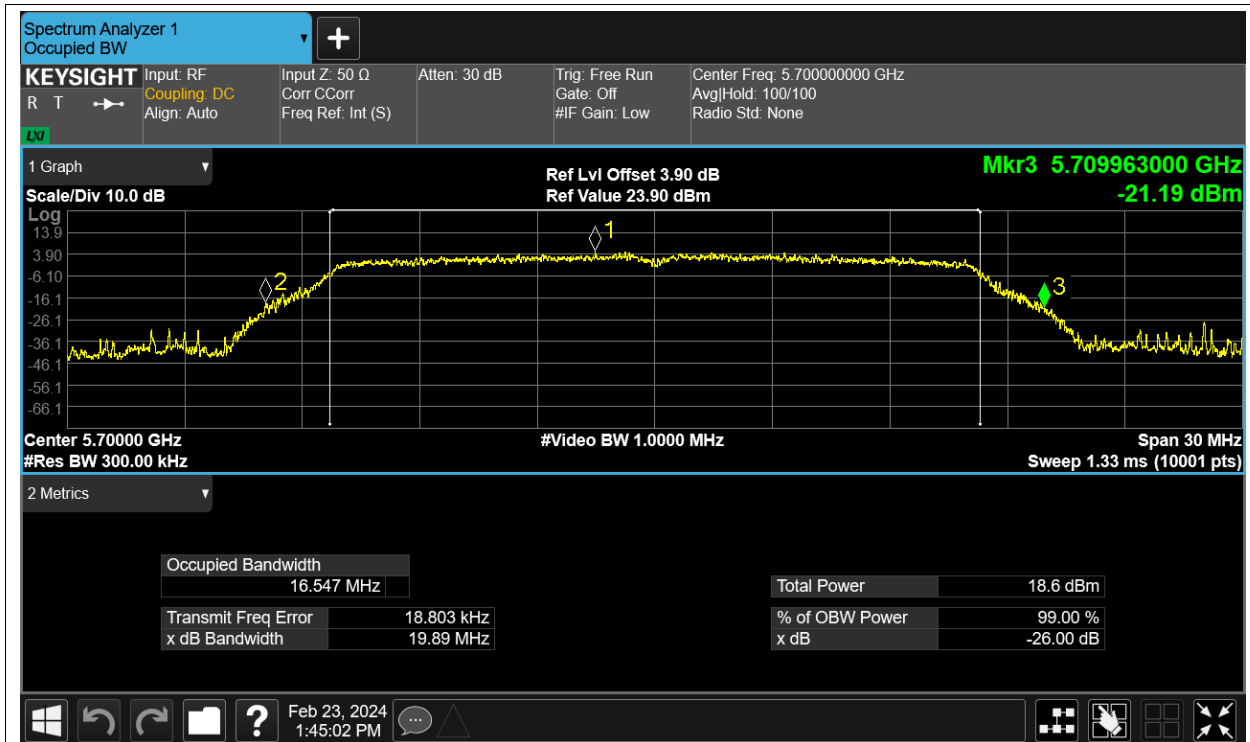
-26dB Bandwidth NVNT a 5500MHz Ant1



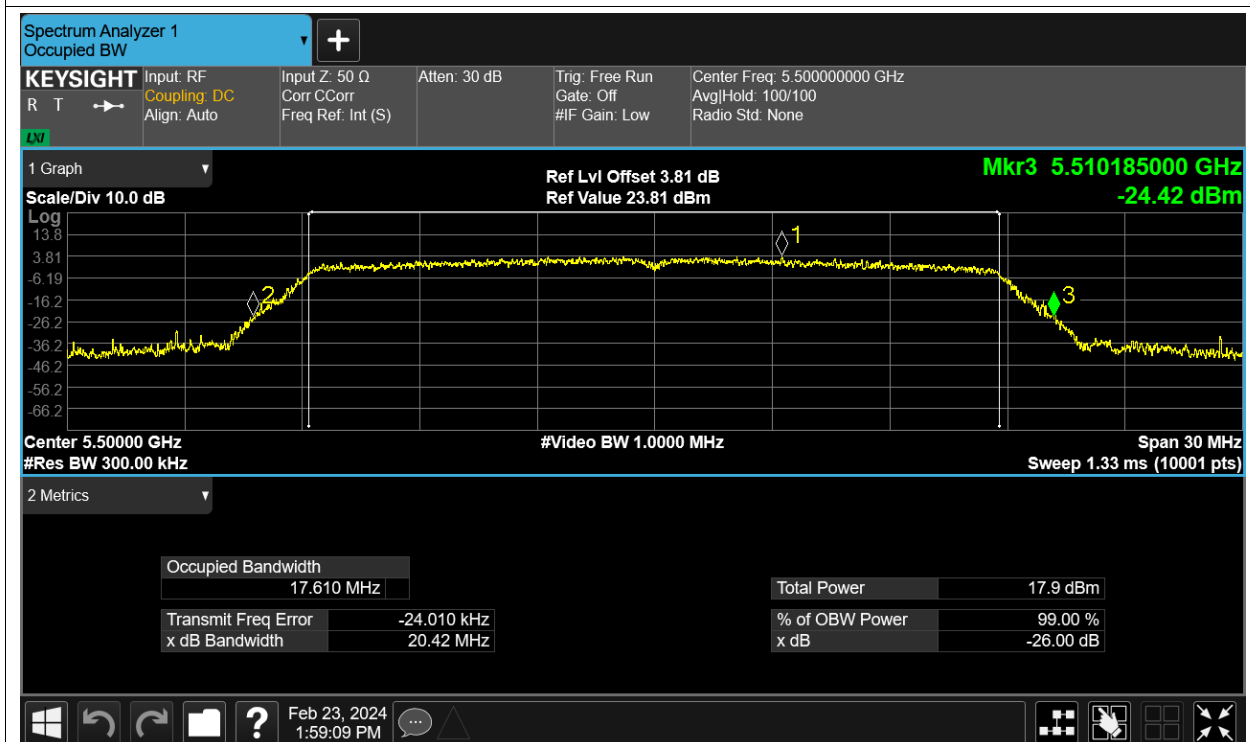
-26dB Bandwidth NVNT a 5600MHz Ant1



-26dB Bandwidth NVNT a 5700MHz Ant1



-26dB Bandwidth NVNT ac20 5500MHz Ant1



-26dB Bandwidth NVNT ac20 5600MHz Ant1



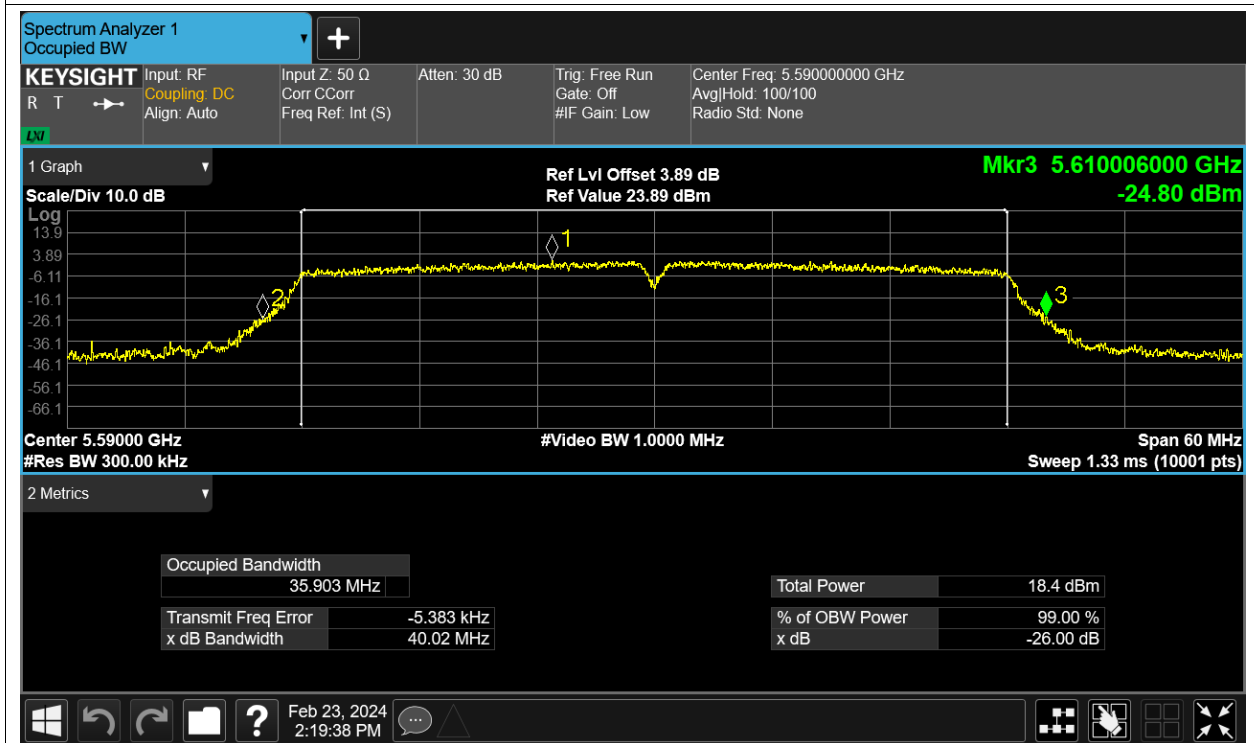
-26dB Bandwidth NVNT ac20 5700MHz Ant1



-26dB Bandwidth NVNT ac40 5510MHz Ant1



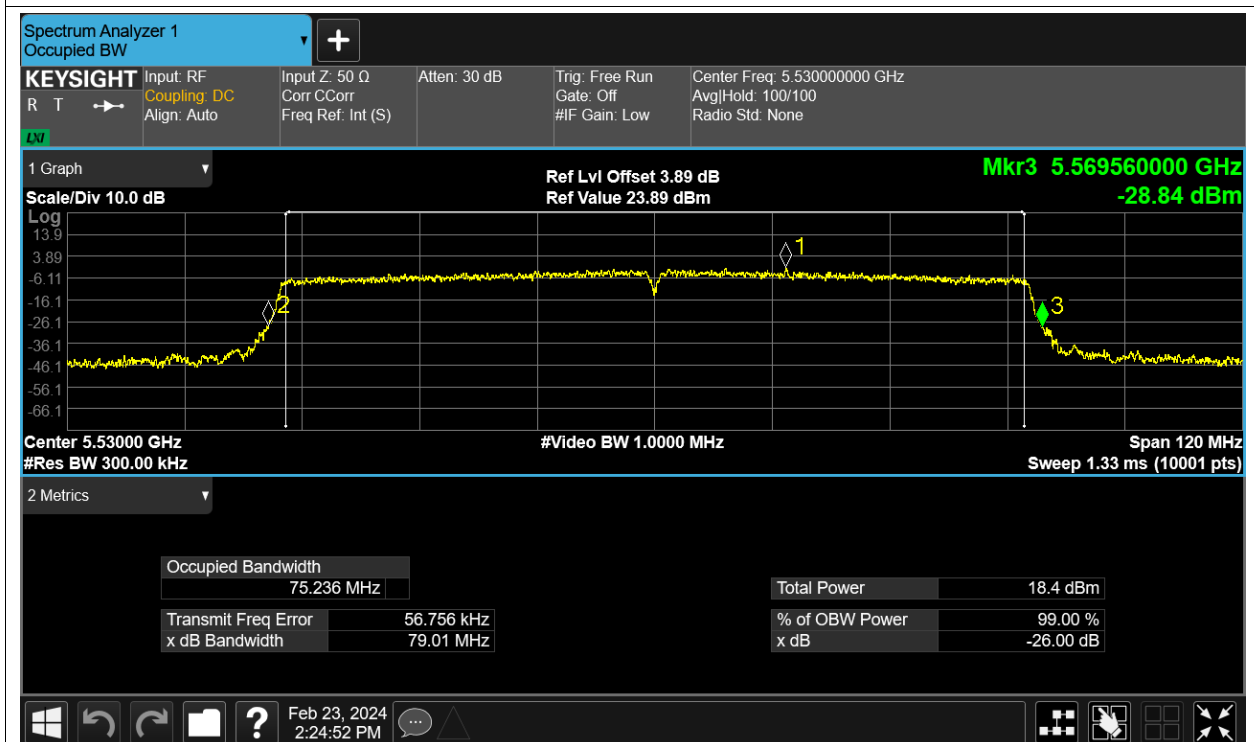
-26dB Bandwidth NVNT ac40 5590MHz Ant1



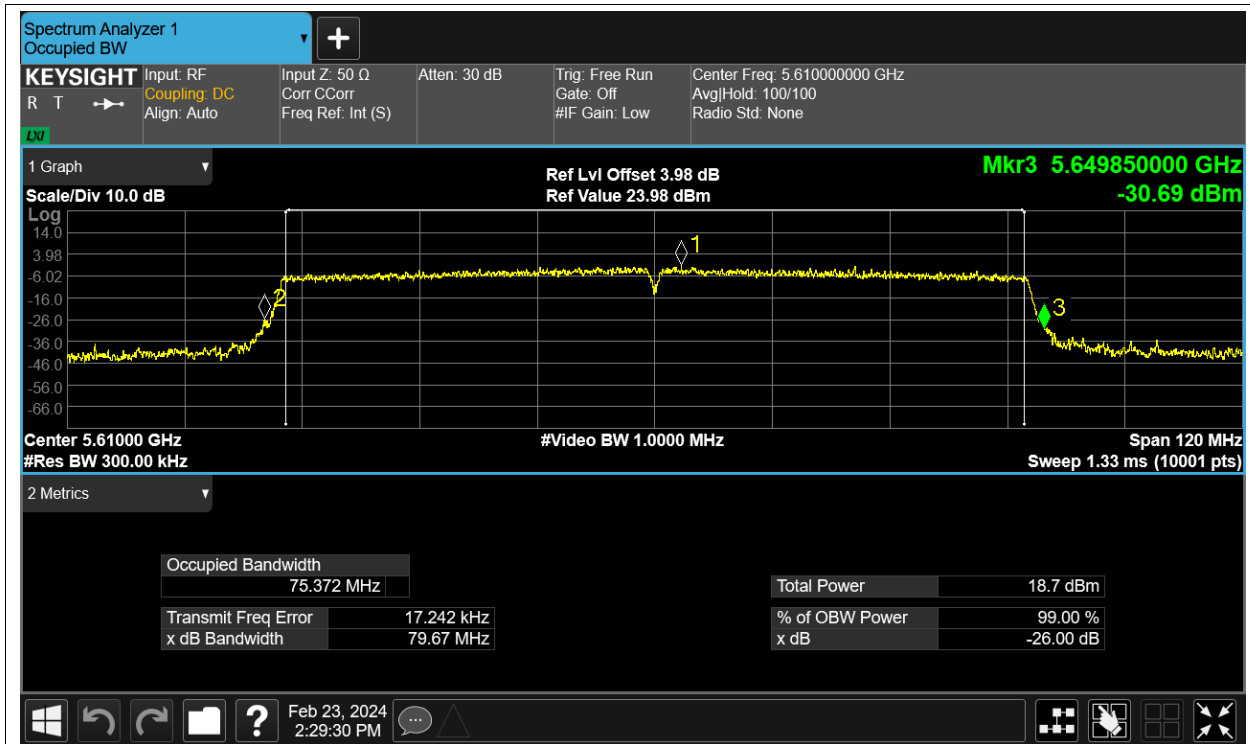
-26dB Bandwidth NVNT ac40 5670MHz Ant1



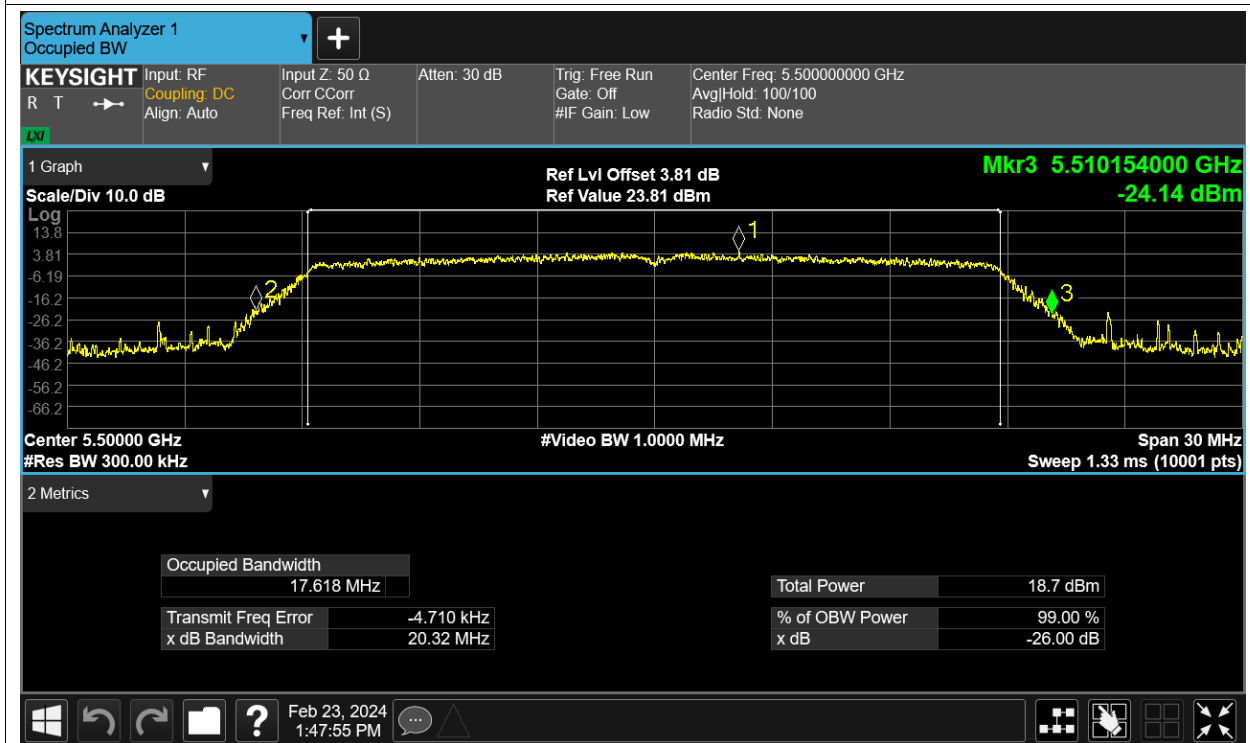
-26dB Bandwidth NVNT ac80 5530MHz Ant1



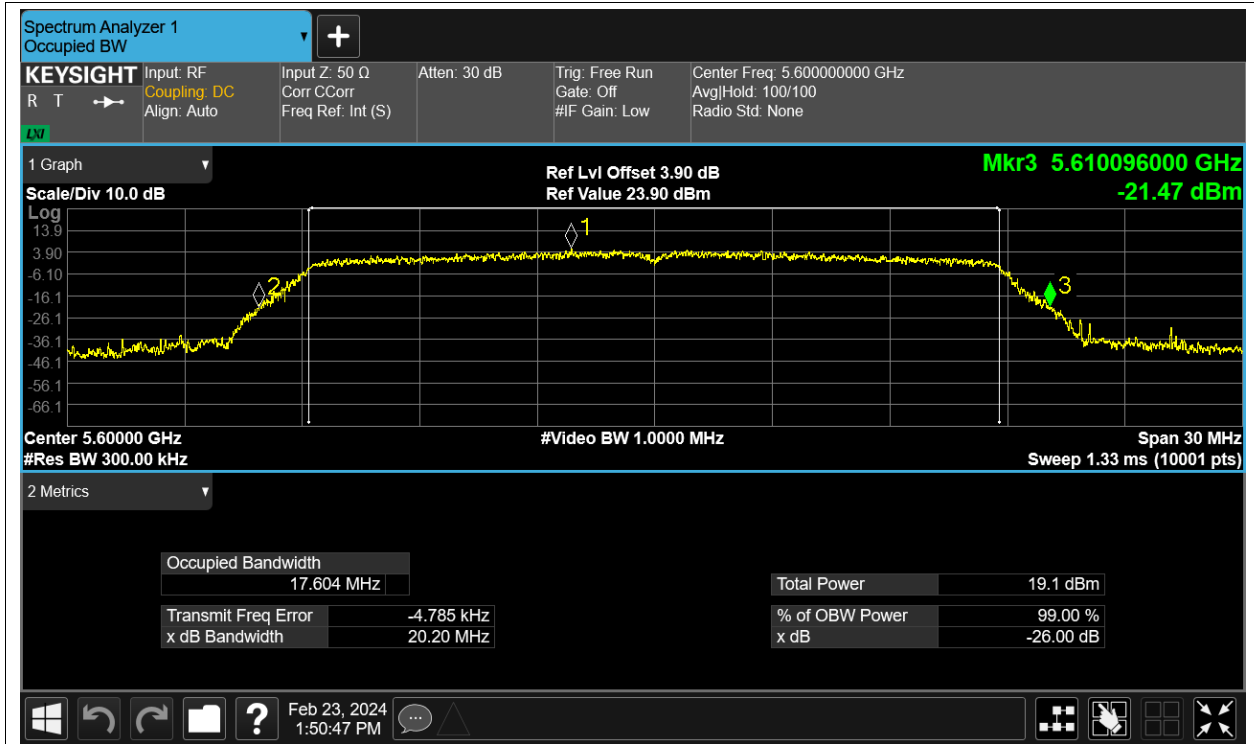
-26dB Bandwidth NVNT ac80 5610MHz Ant1



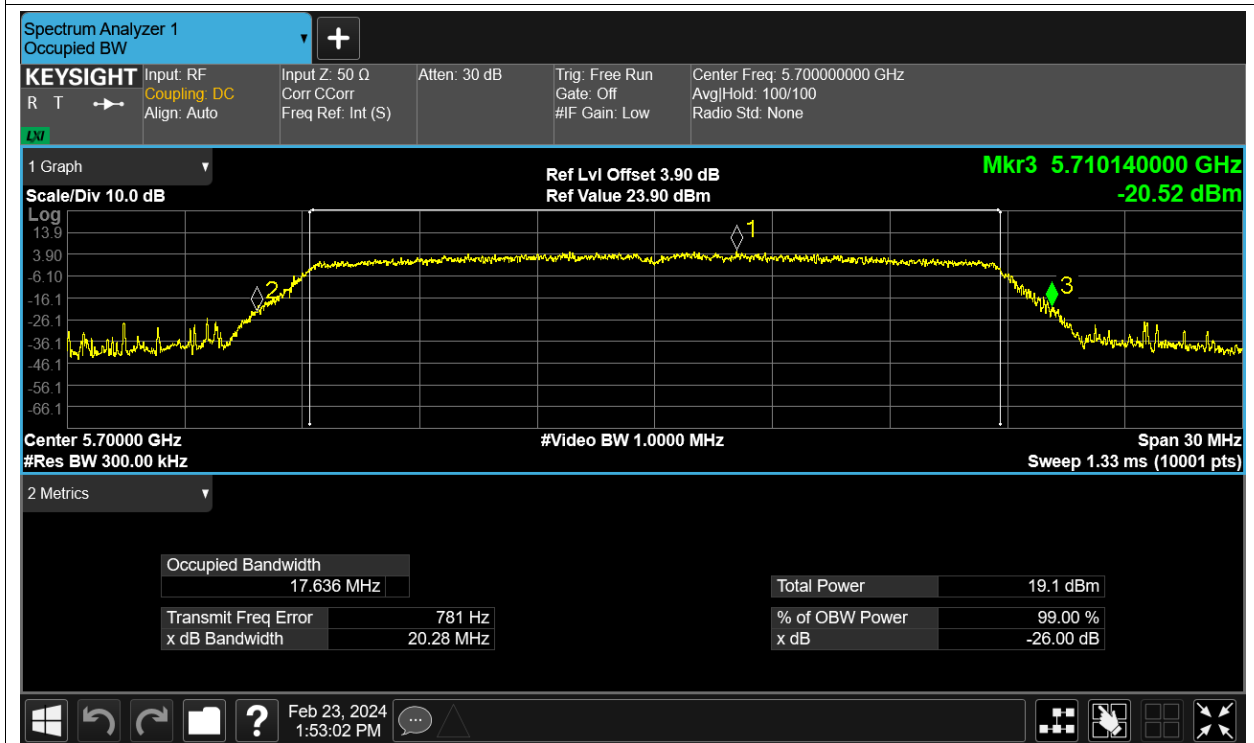
-26dB Bandwidth NVNT n20 5500MHz Ant1



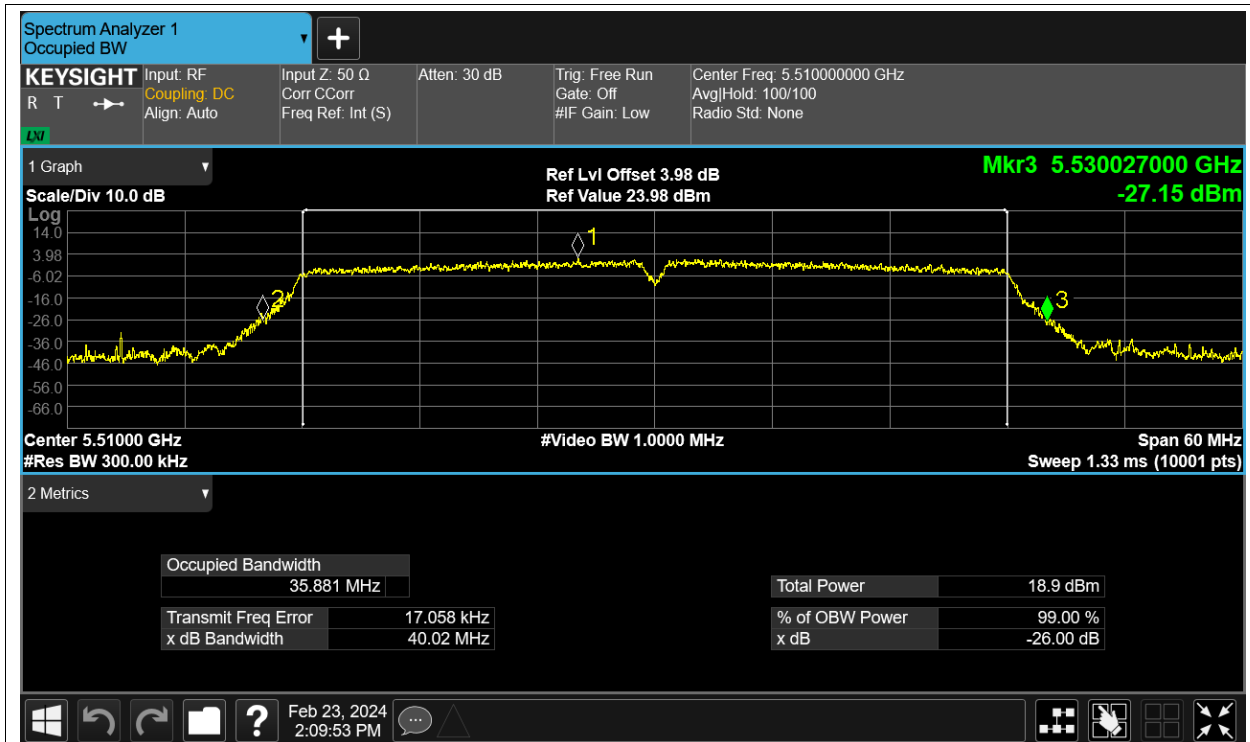
-26dB Bandwidth NVNT n20 5600MHz Ant1



-26dB Bandwidth NVNT n20 5700MHz Ant1



-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant1

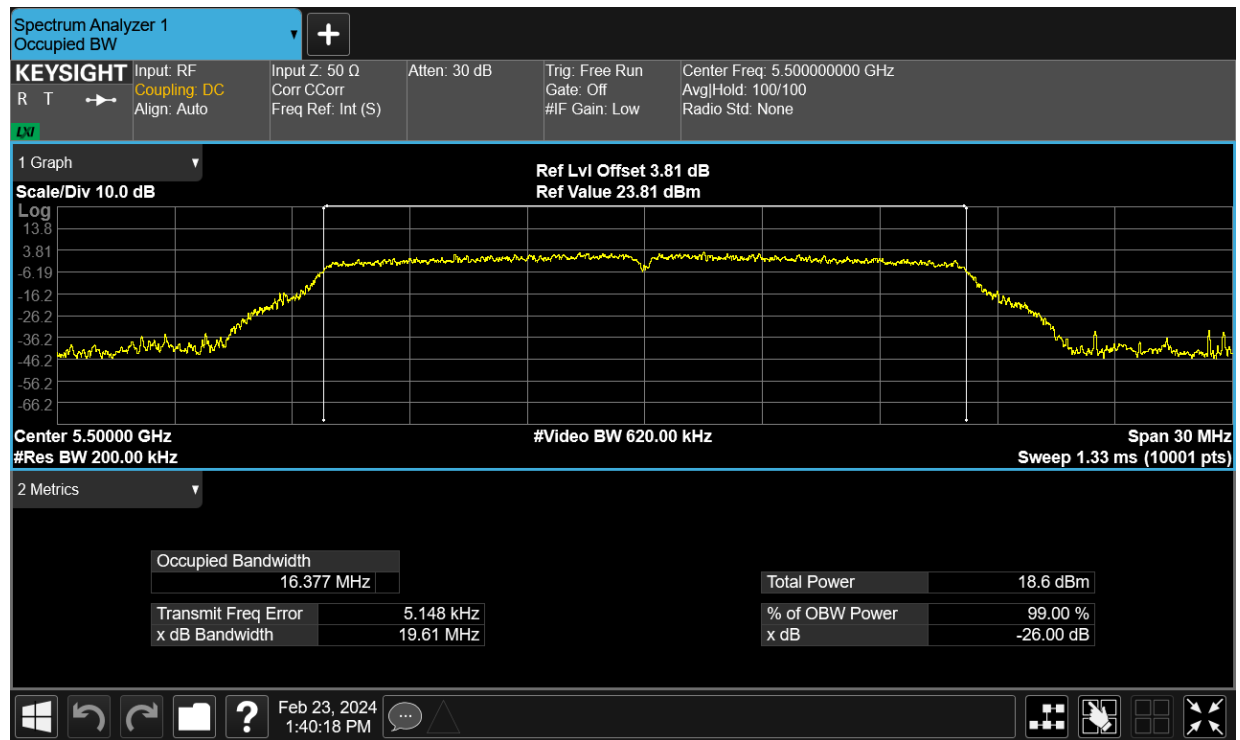


Occupied Channel Bandwidth

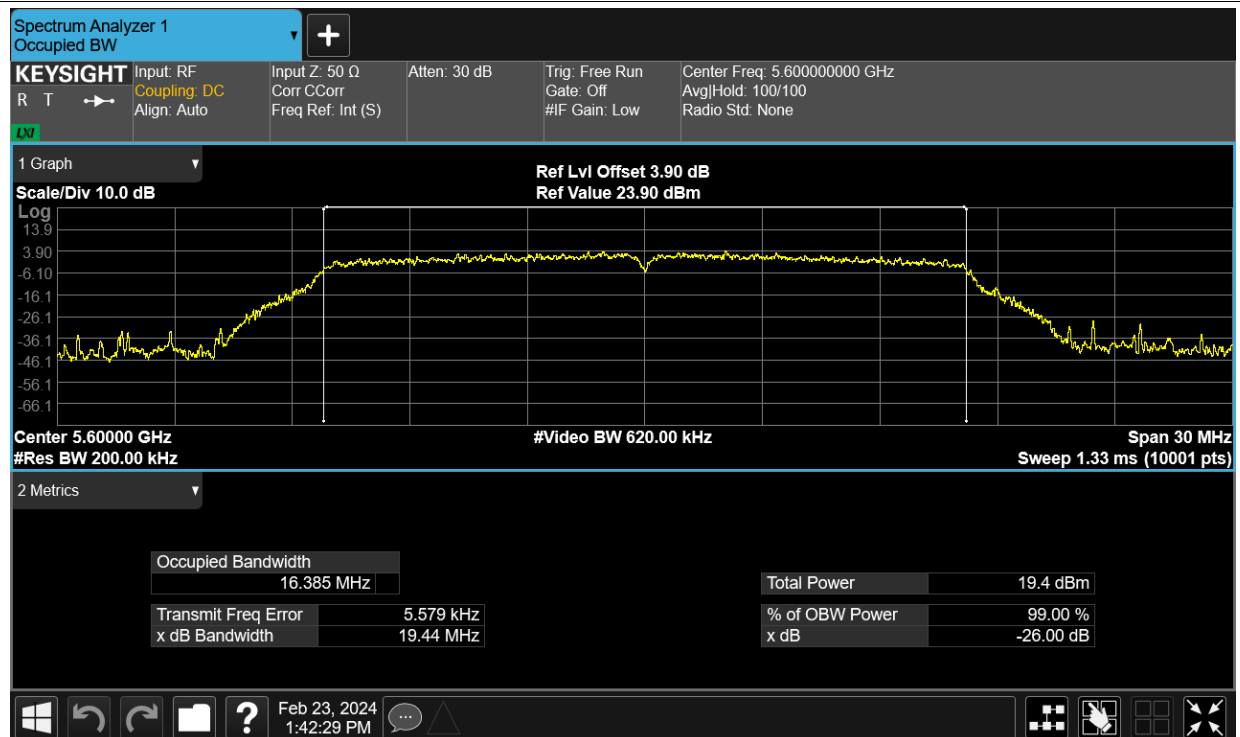
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.377
NVNT	a	5600	Ant1	16.385
NVNT	a	5700	Ant1	16.435
NVNT	ac20	5500	Ant1	17.551
NVNT	ac20	5600	Ant1	17.519
NVNT	ac20	5700	Ant1	17.567
NVNT	ac40	5510	Ant1	35.979
NVNT	ac40	5590	Ant1	35.924
NVNT	ac40	5670	Ant1	35.942
NVNT	ac80	5530	Ant1	75.257
NVNT	ac80	5610	Ant1	75.296
NVNT	n20	5500	Ant1	17.562
NVNT	n20	5600	Ant1	17.559
NVNT	n20	5700	Ant1	17.569
NVNT	n40	5510	Ant1	35.916
NVNT	n40	5590	Ant1	35.949
NVNT	n40	5670	Ant1	35.946

Test Graphs

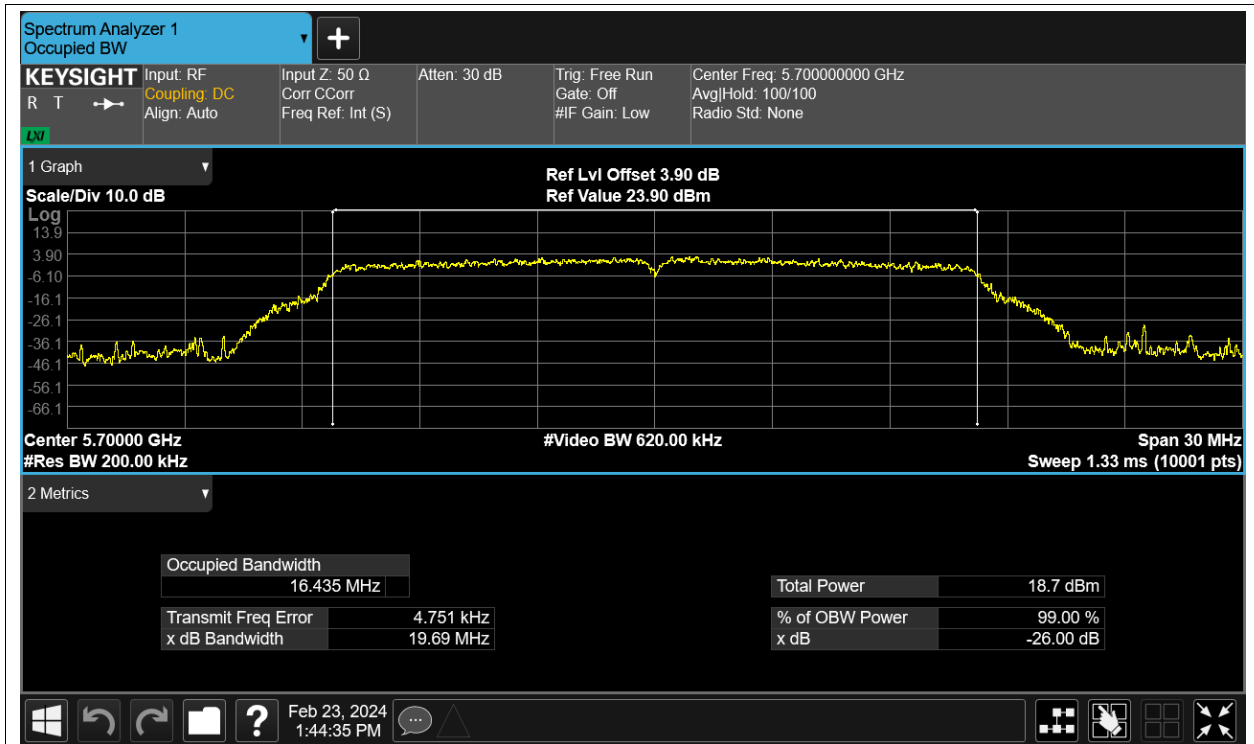
OBW NVNT a 5500MHz Ant1



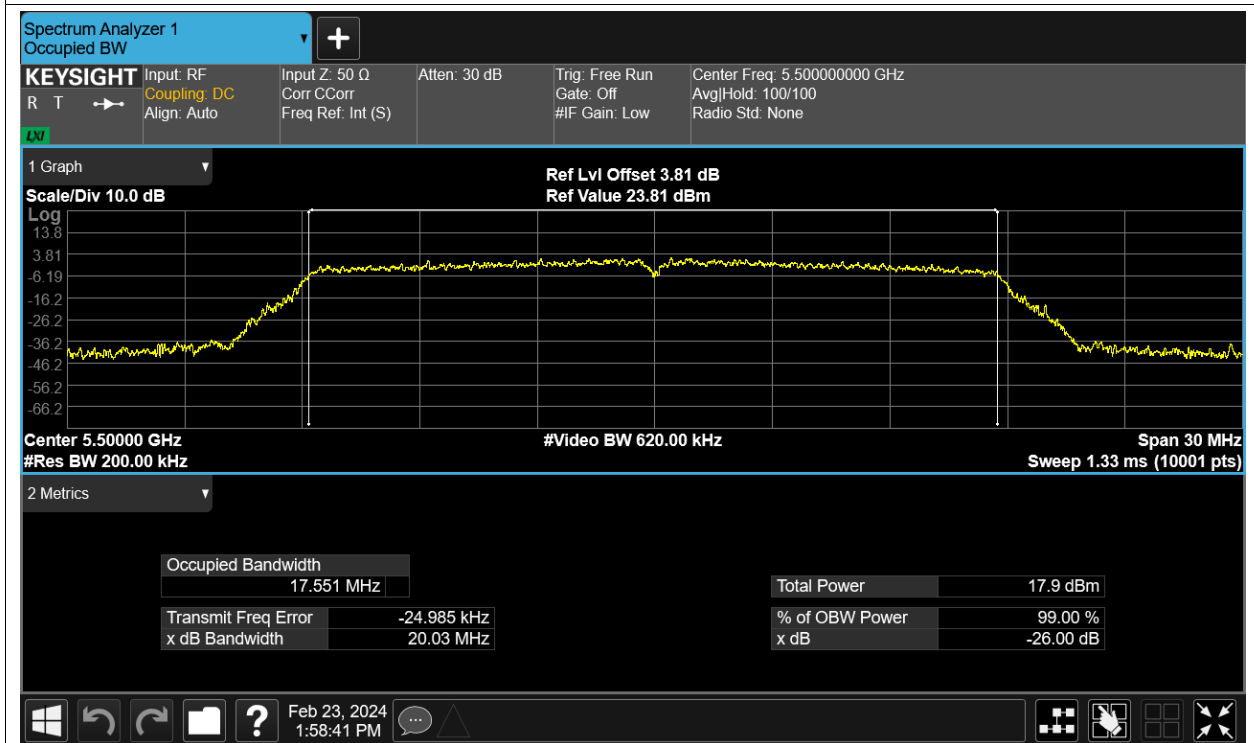
OBW NVNT a 5600MHz Ant1



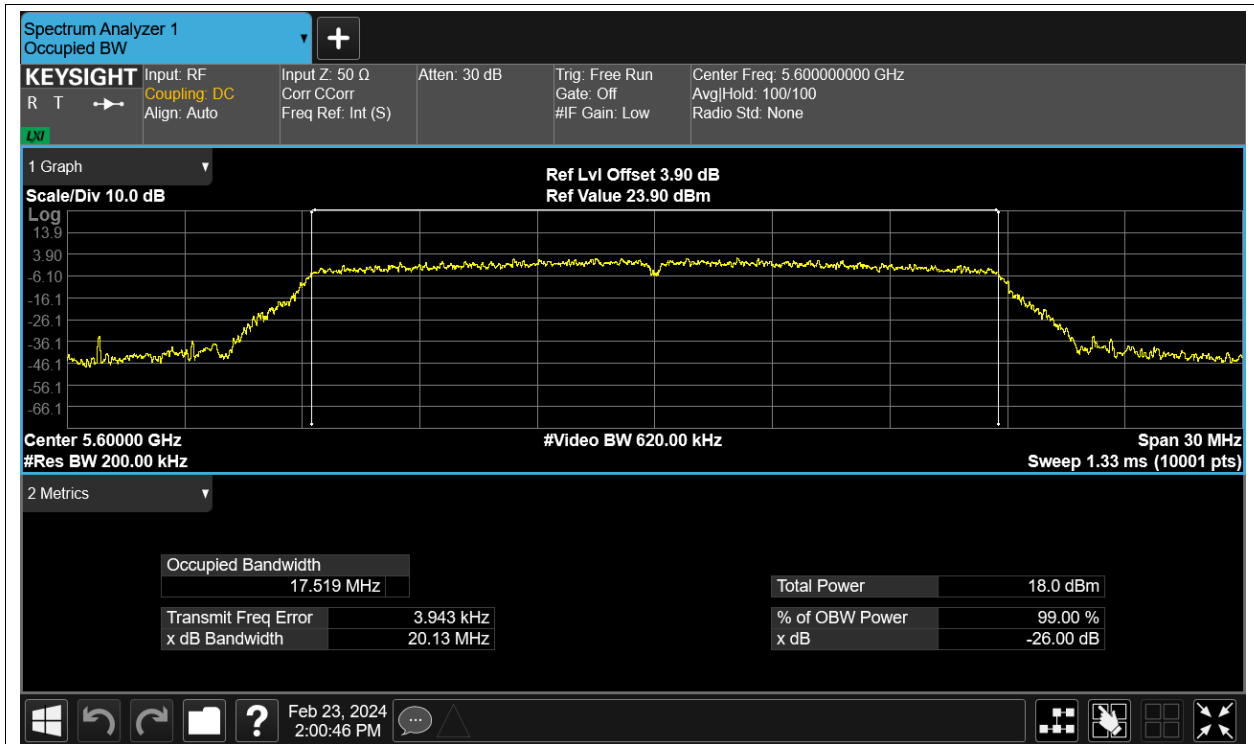
OBW NVNT a 5700MHz Ant1



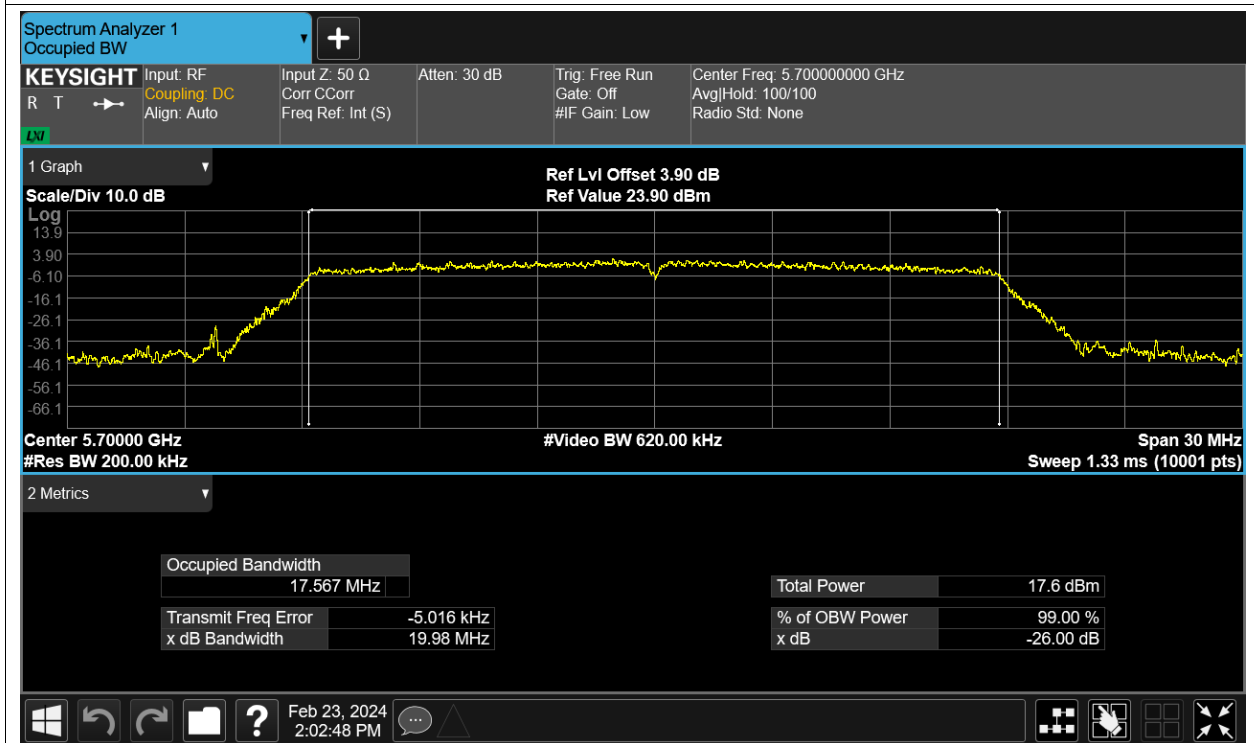
OBW NVNT ac20 5500MHz Ant1



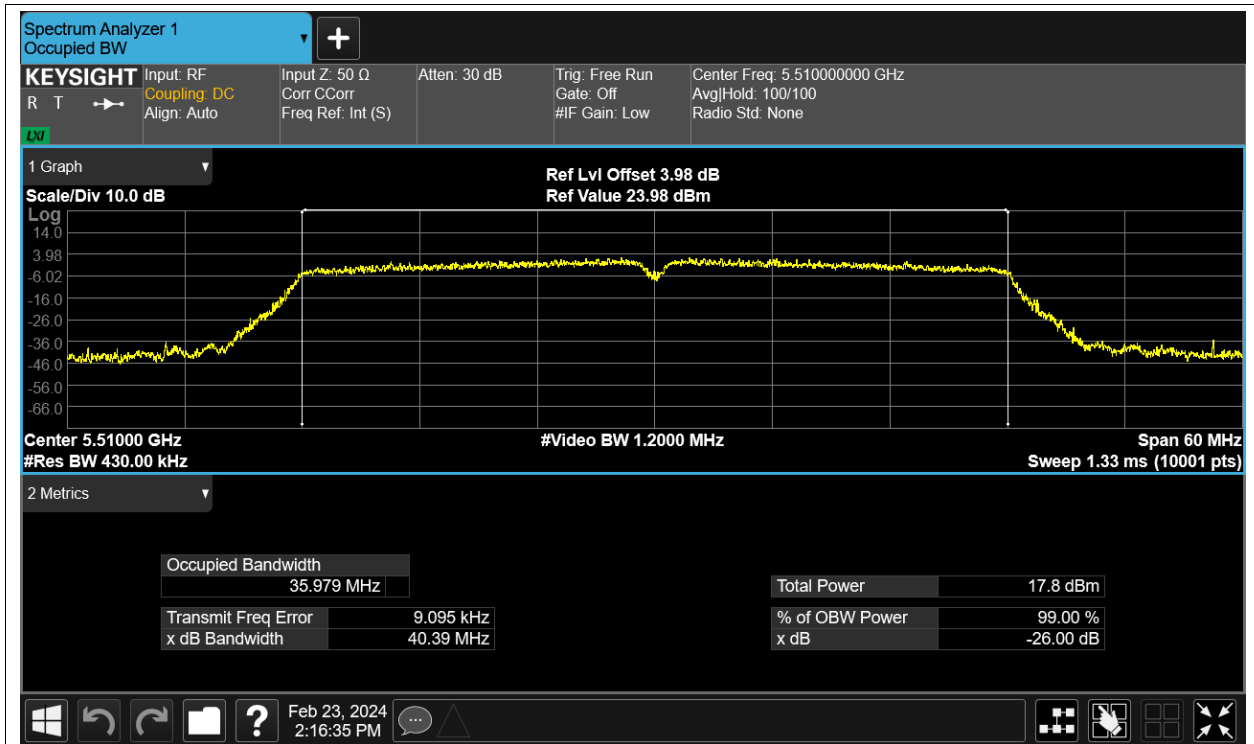
OBW NVNT ac20 5600MHz Ant1



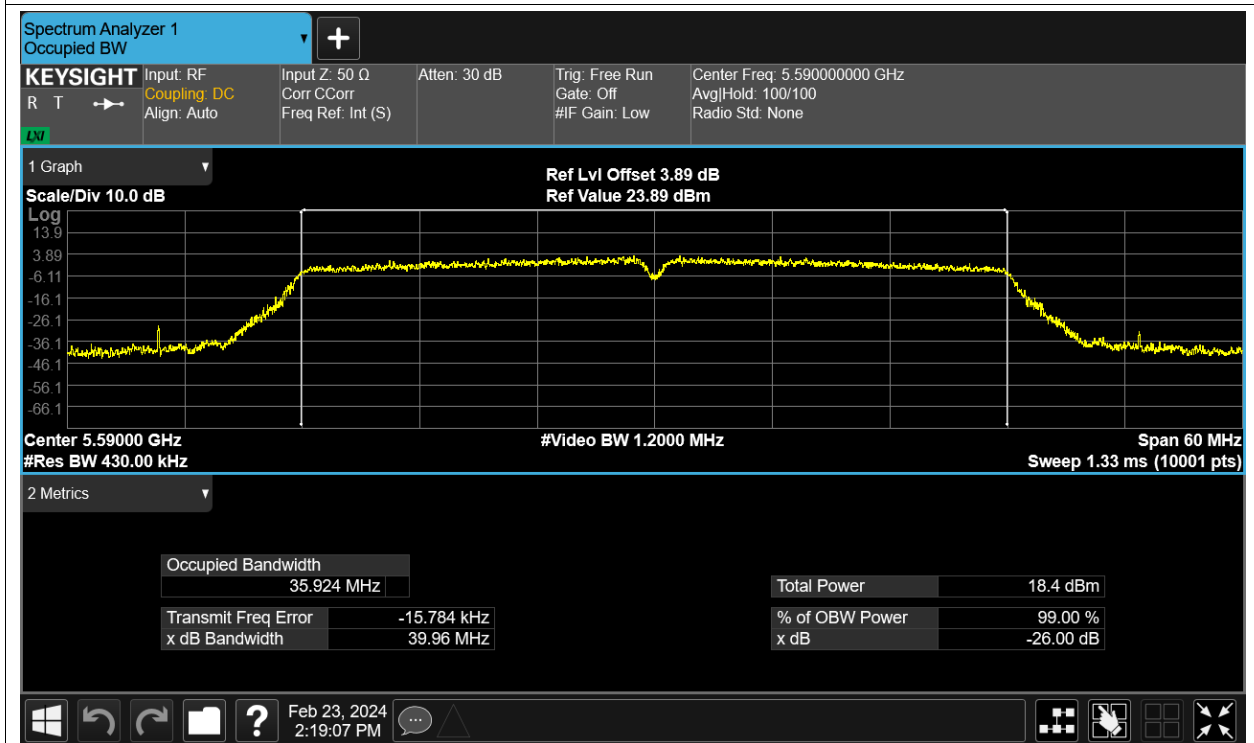
OBW NVNT ac20 5700MHz Ant1



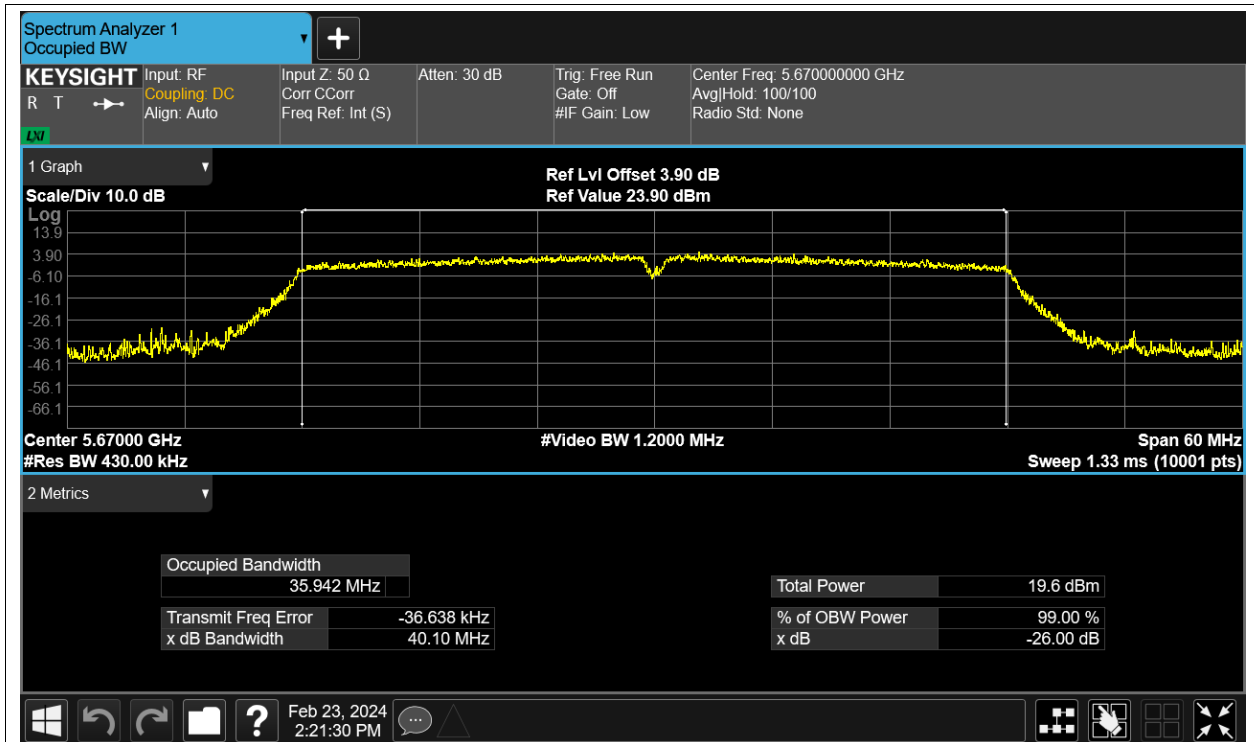
OBW NVNT ac40 5510MHz Ant1



OBW NVNT ac40 5590MHz Ant1



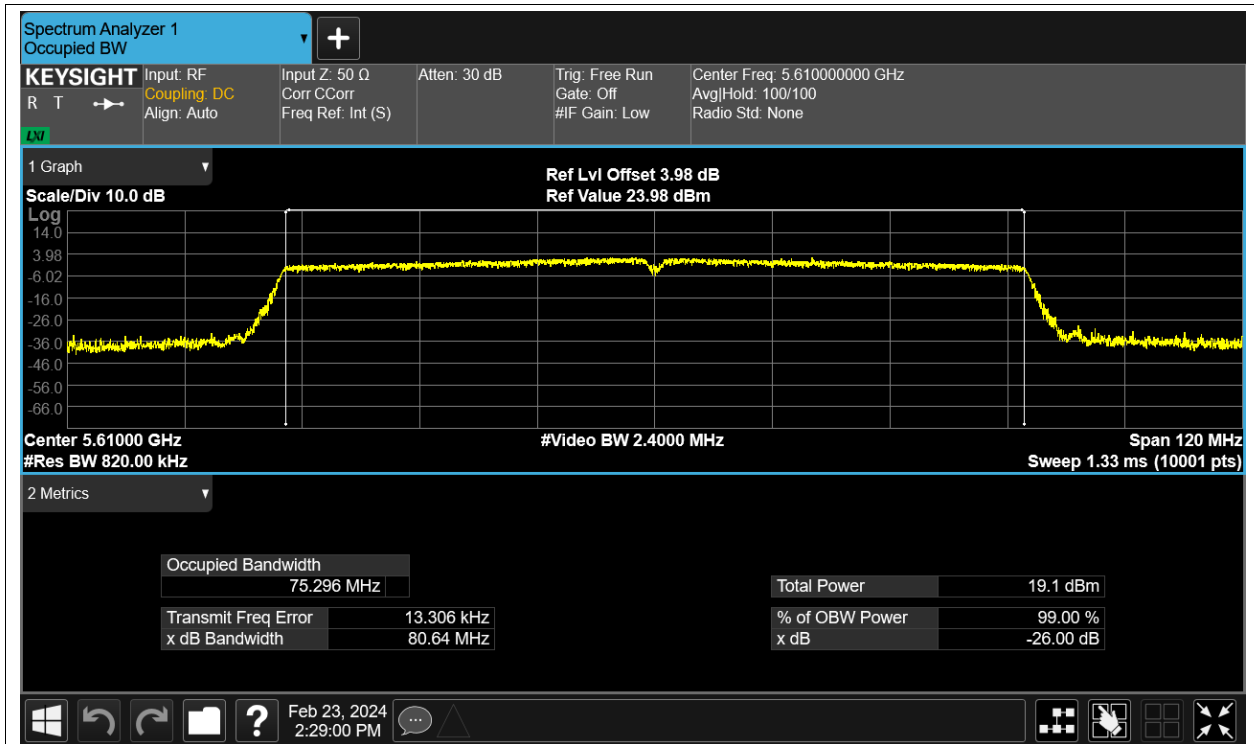
OBW NVNT ac40 5670MHz Ant1



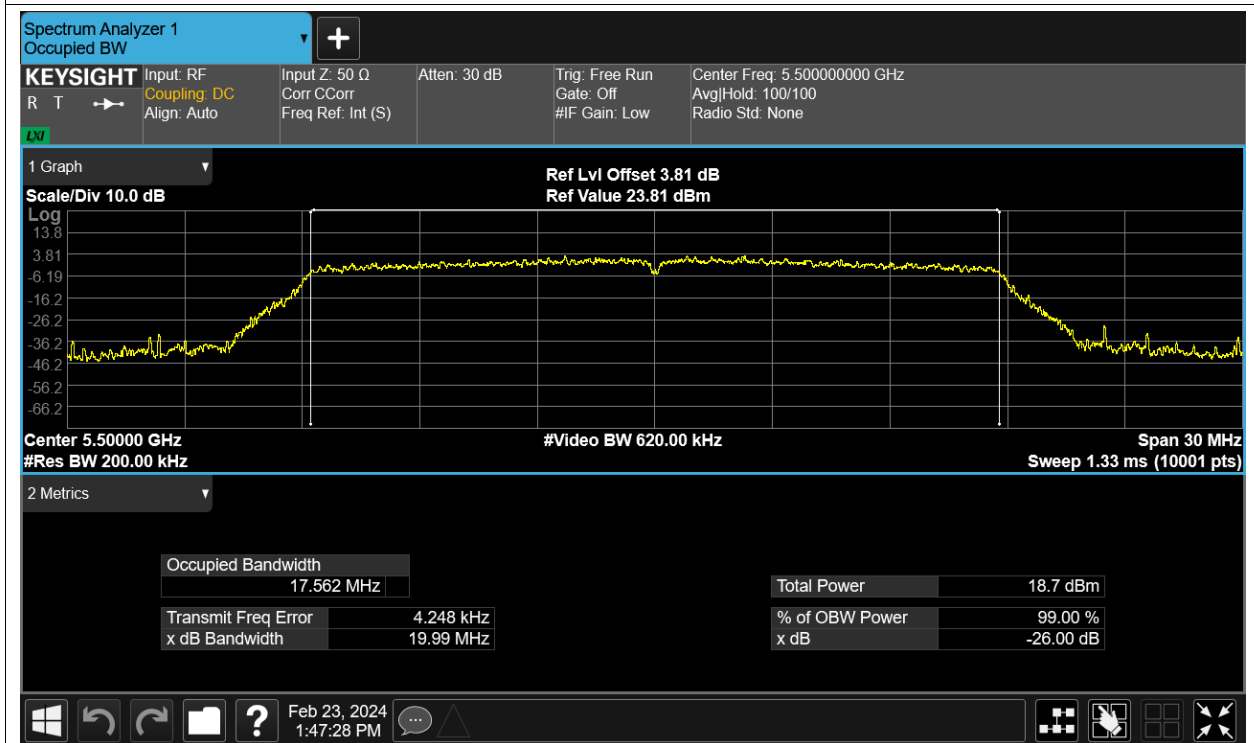
OBW NVNT ac80 5530MHz Ant1



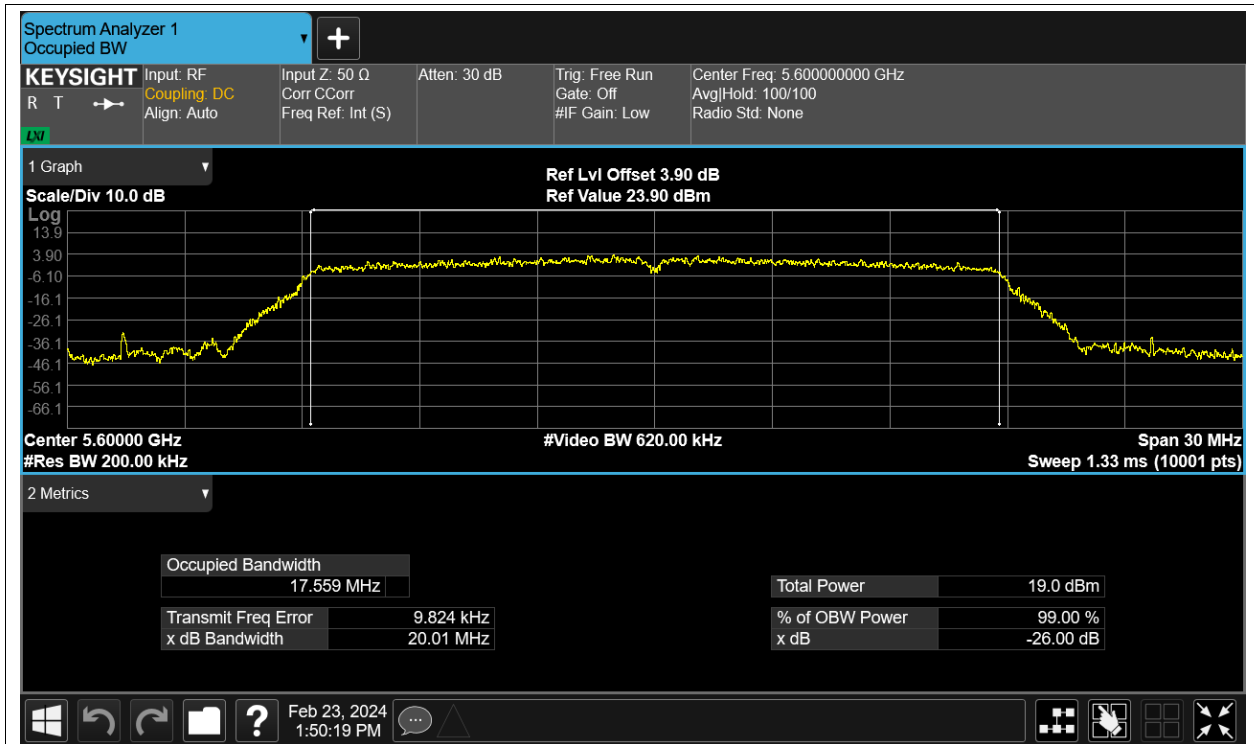
OBW NVNT ac80 5610MHz Ant1



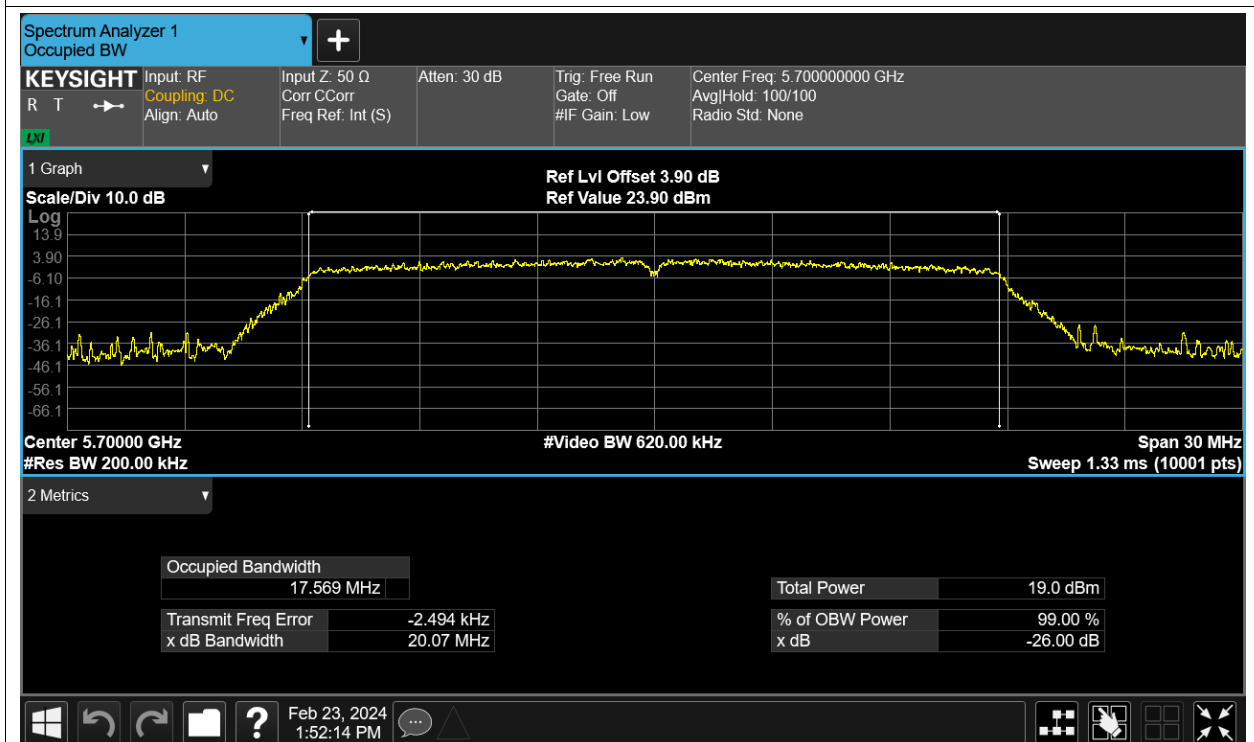
OBW NVNT n20 5500MHz Ant1



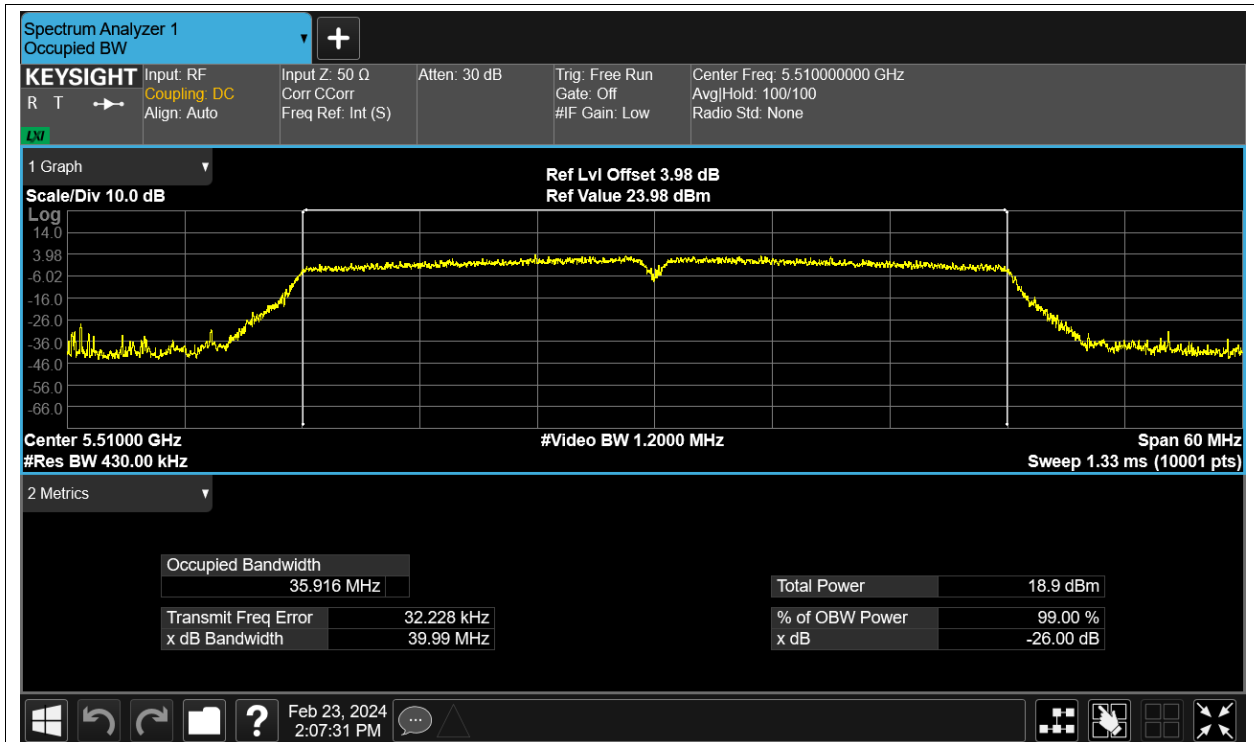
OBW NVNT n20 5600MHz Ant1



OBW NVNT n20 5700MHz Ant1



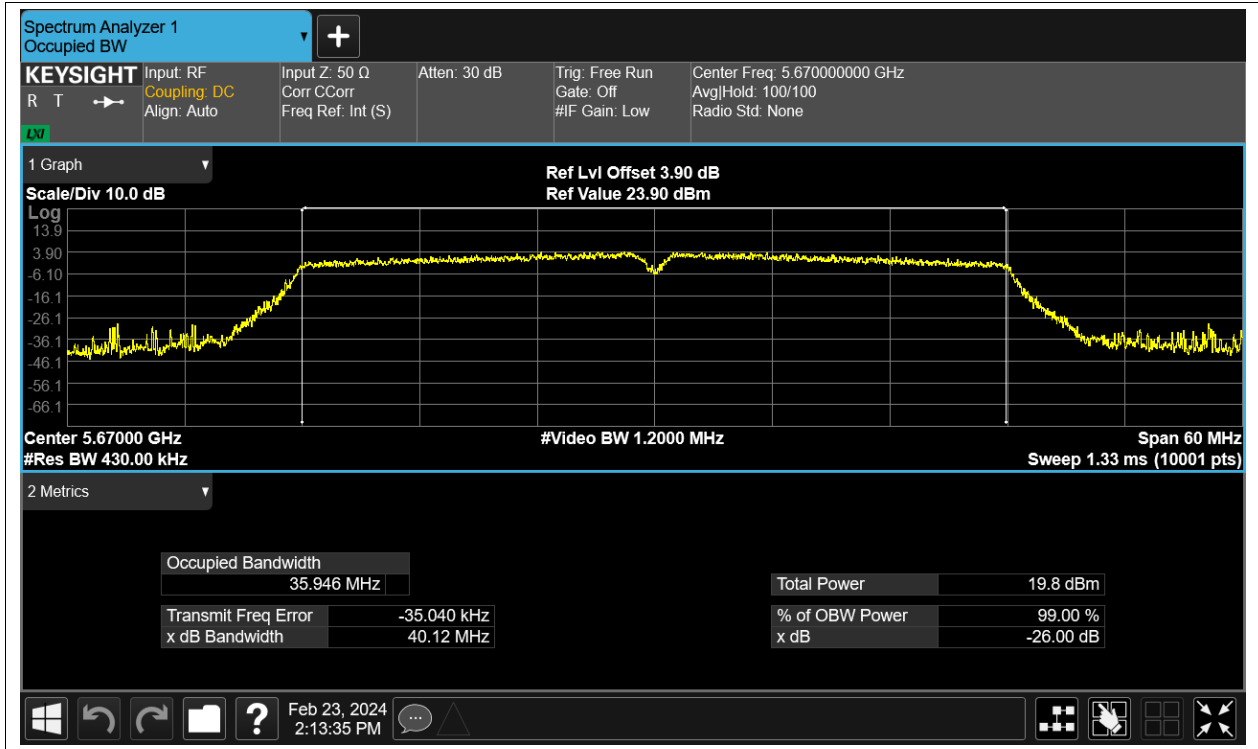
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1

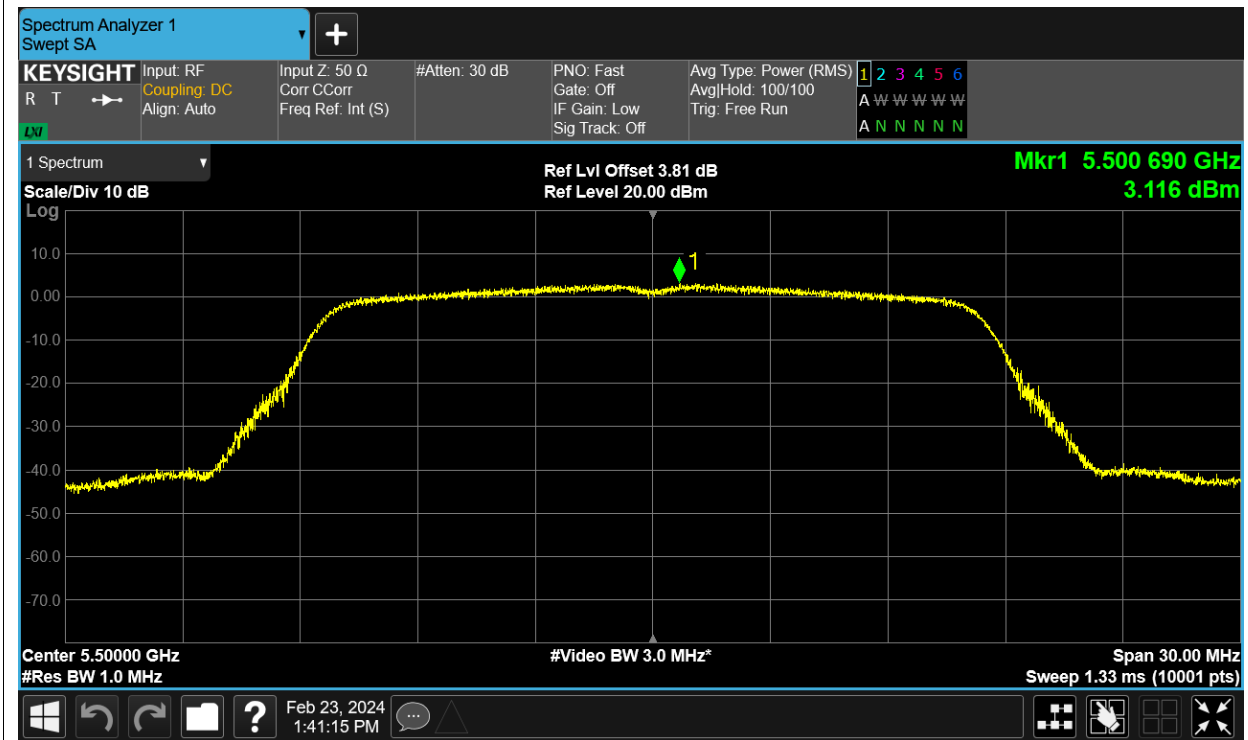


Maximum Power Spectral Density Level

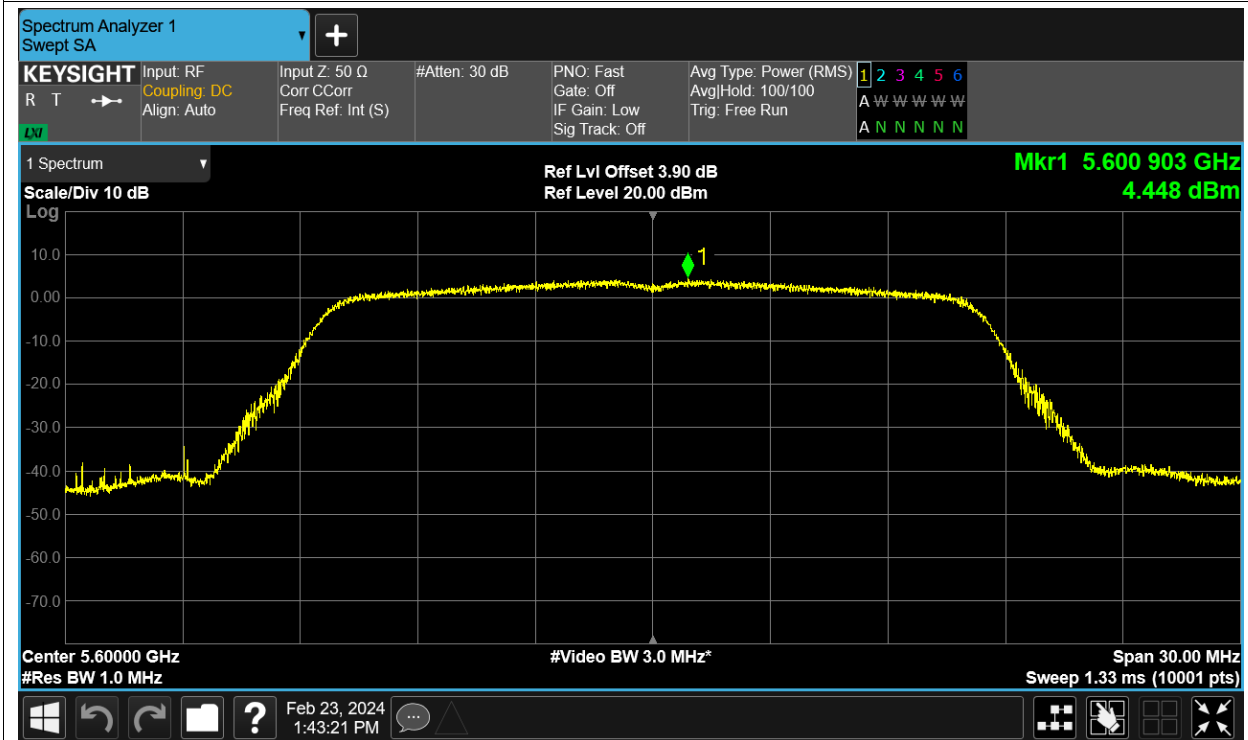
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	3.116	11	Pass
NVNT	a	5600	Ant1	4.448	11	Pass
NVNT	a	5700	Ant1	3.342	11	Pass
NVNT	ac20	5500	Ant1	2.643	11	Pass
NVNT	ac20	5600	Ant1	2.76	11	Pass
NVNT	ac20	5700	Ant1	2.442	11	Pass
NVNT	ac40	5510	Ant1	-0.835	11	Pass
NVNT	ac40	5590	Ant1	0.17	11	Pass
NVNT	ac40	5670	Ant1	1.21	11	Pass
NVNT	ac80	5530	Ant1	-3.734	11	Pass
NVNT	ac80	5610	Ant1	-3.201	11	Pass
NVNT	n20	5500	Ant1	3.558	11	Pass
NVNT	n20	5600	Ant1	3.952	11	Pass
NVNT	n20	5700	Ant1	3.272	11	Pass
NVNT	n40	5510	Ant1	0.52	11	Pass
NVNT	n40	5590	Ant1	0.744	11	Pass
NVNT	n40	5667	Ant1	1.584	11	Pass

Test Graphs

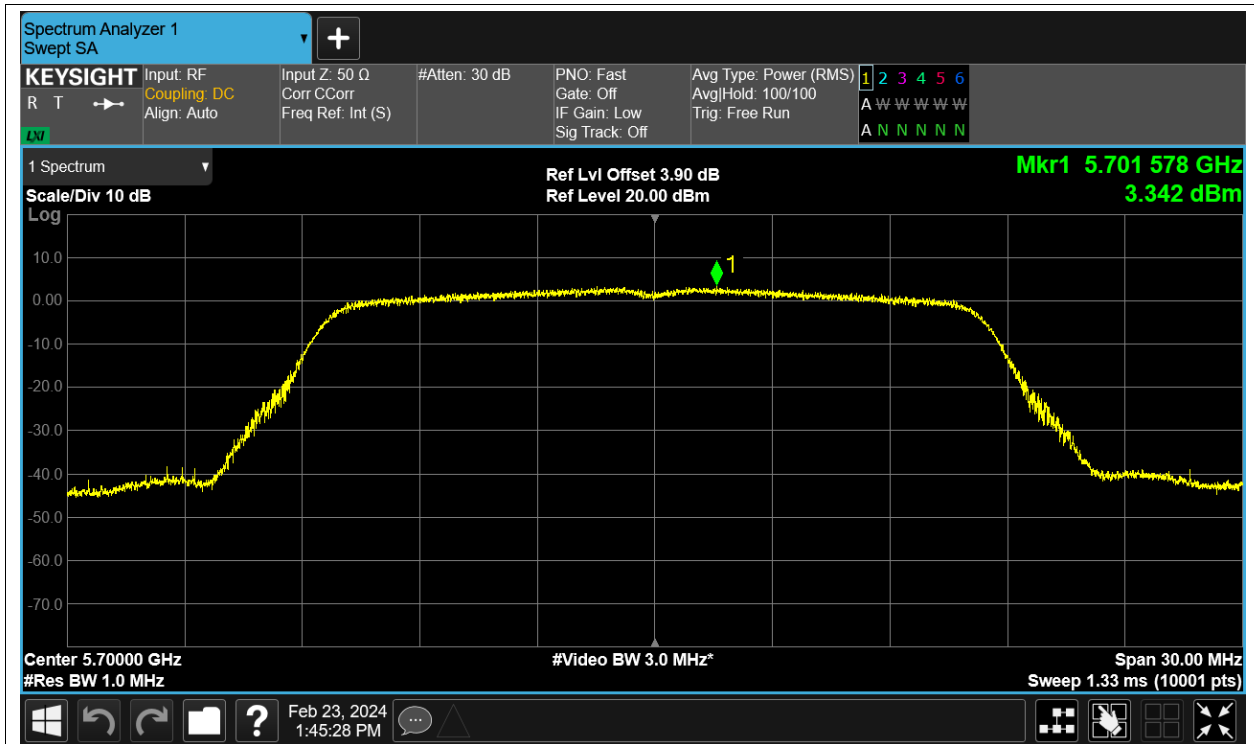
PSD NVNT a 5500MHz Ant1



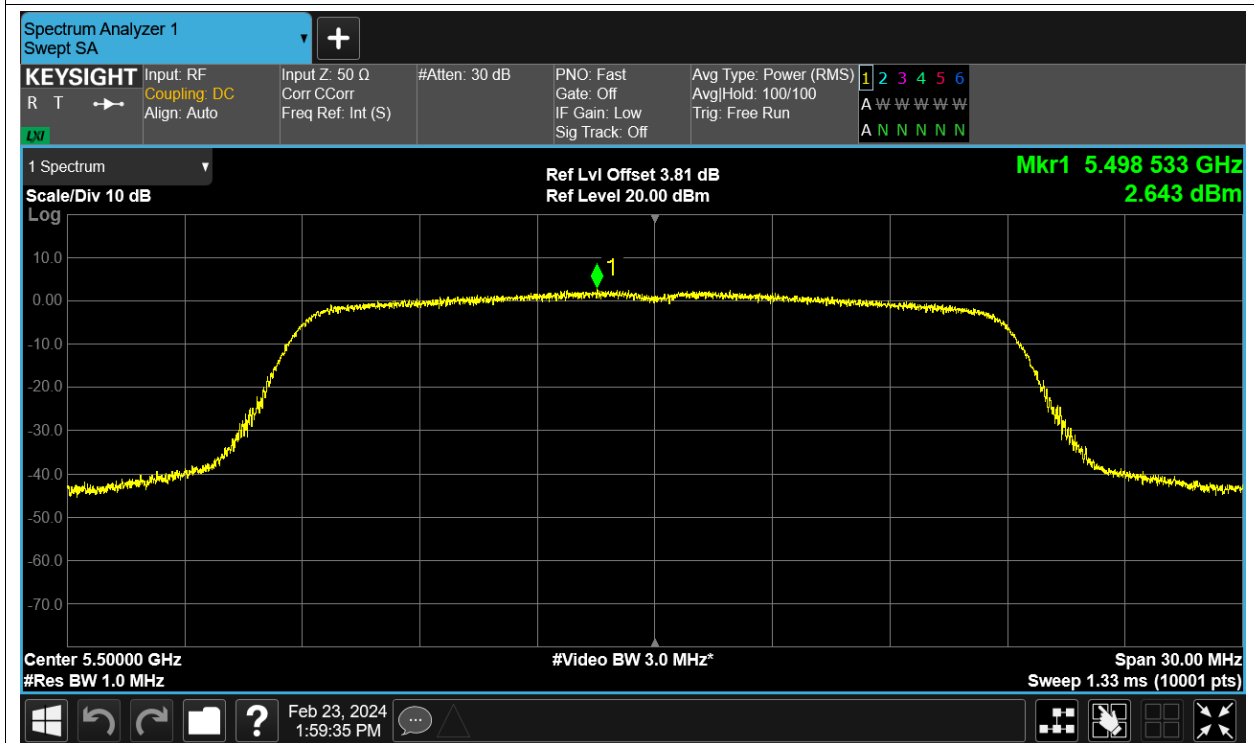
PSD NVNT a 5600MHz Ant1



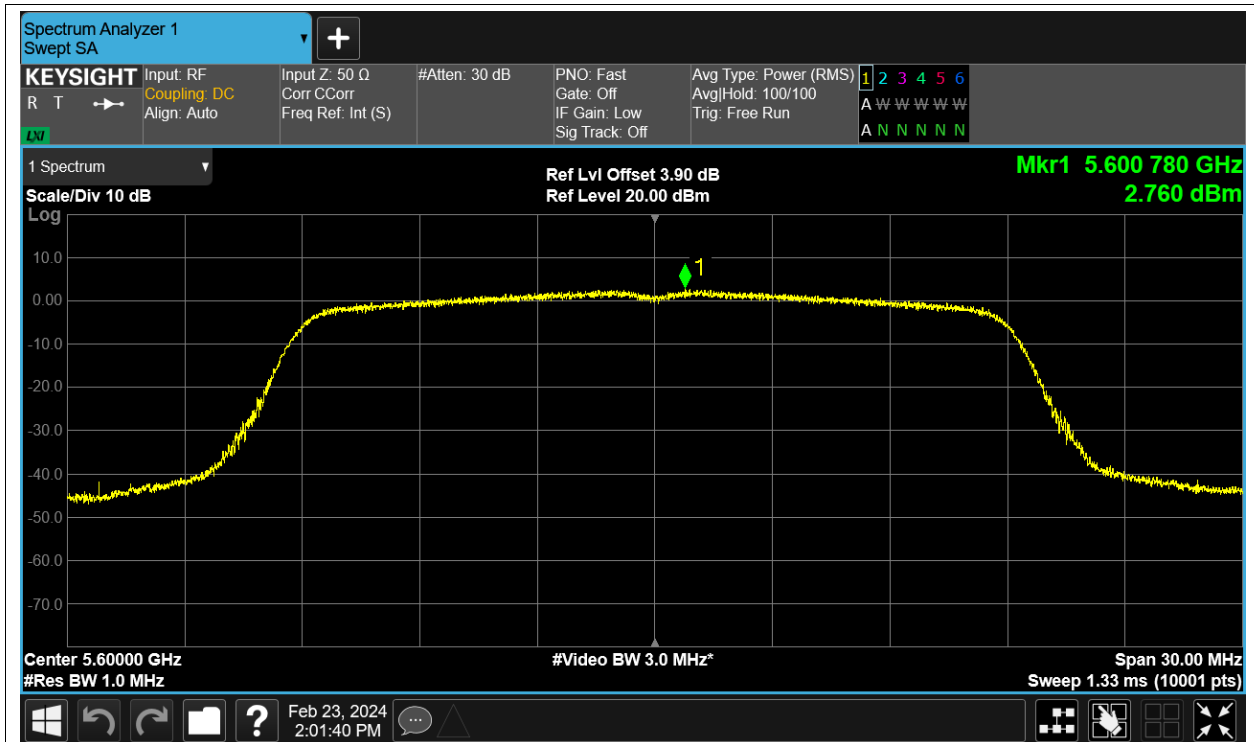
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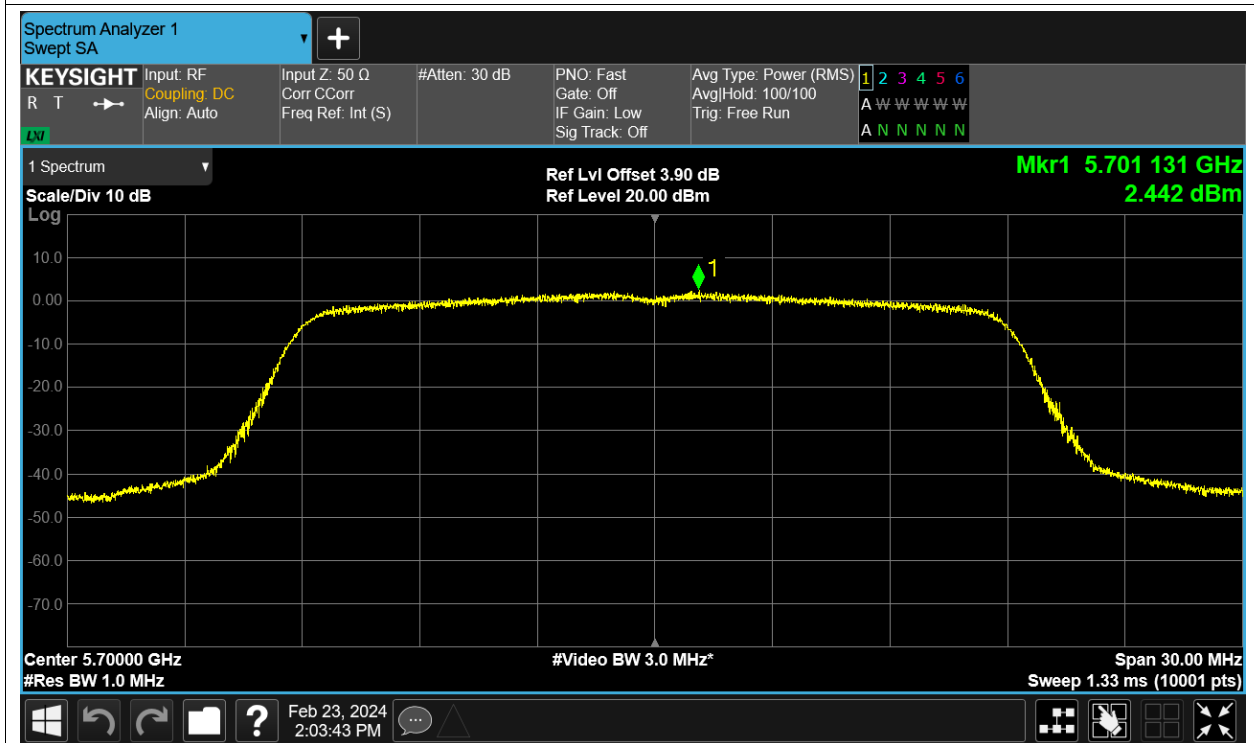
PSD NVNT ac20 5500MHz Ant1



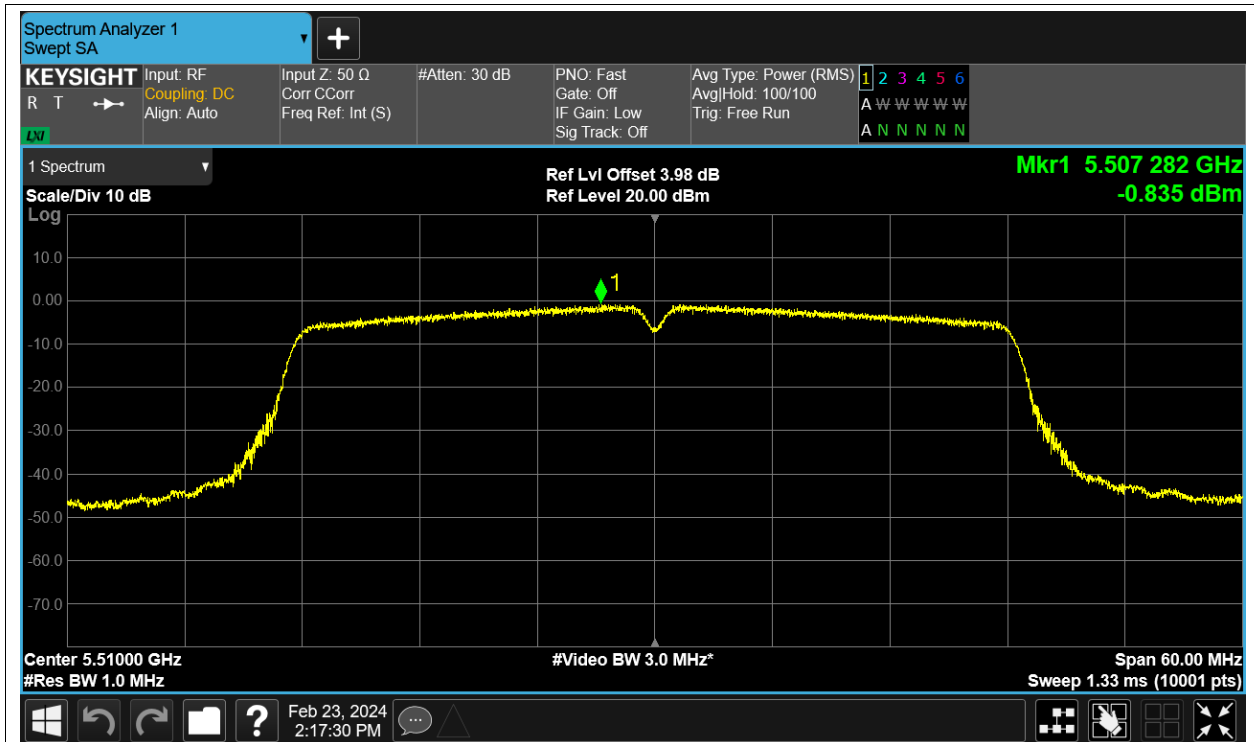
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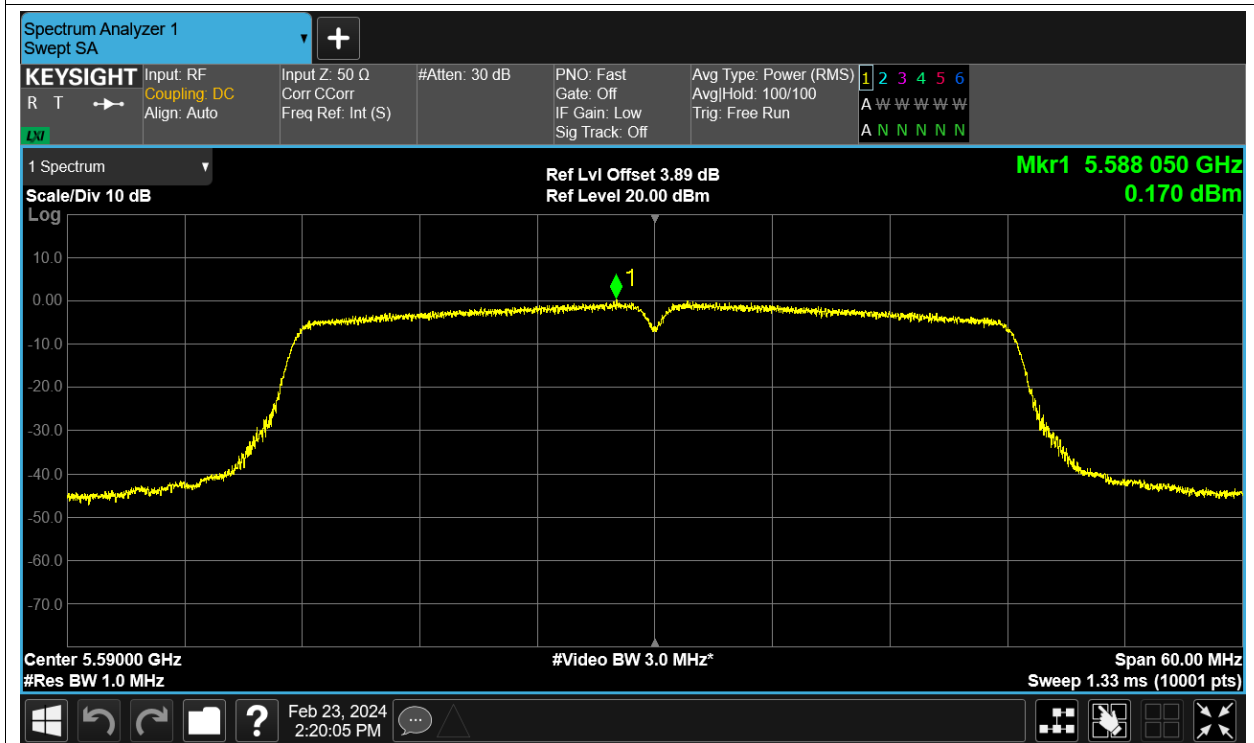
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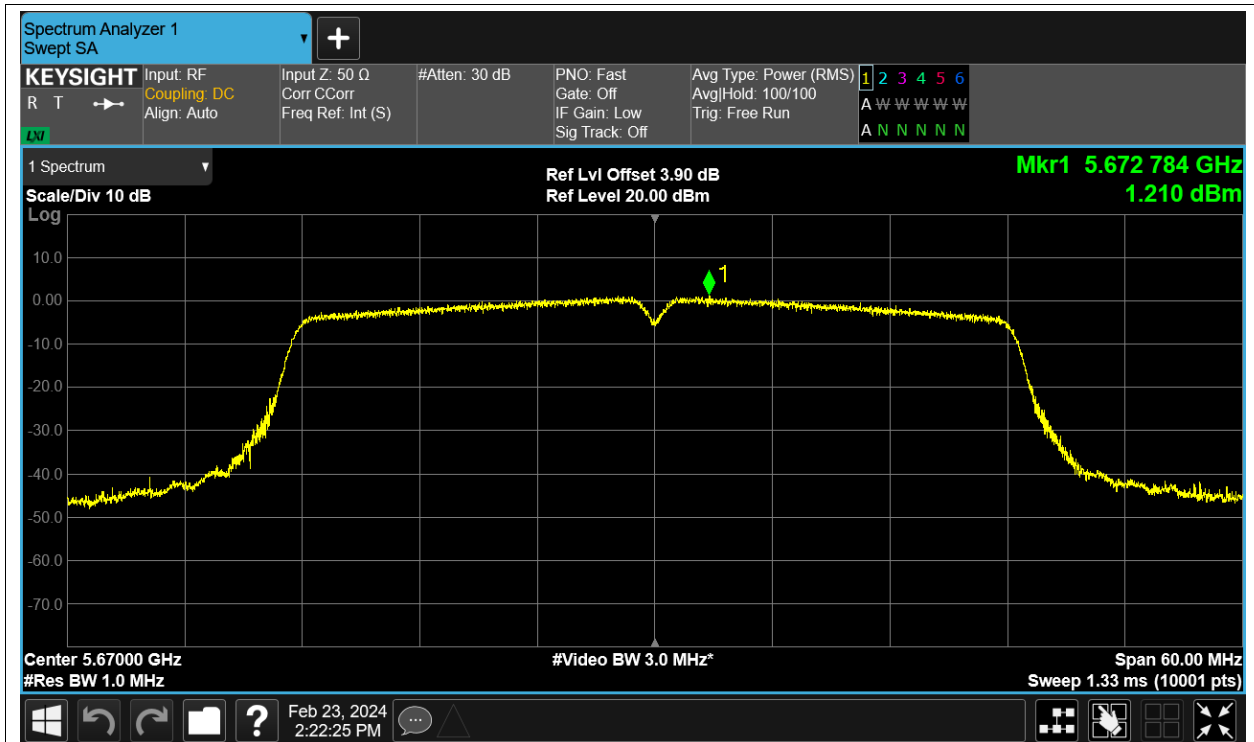
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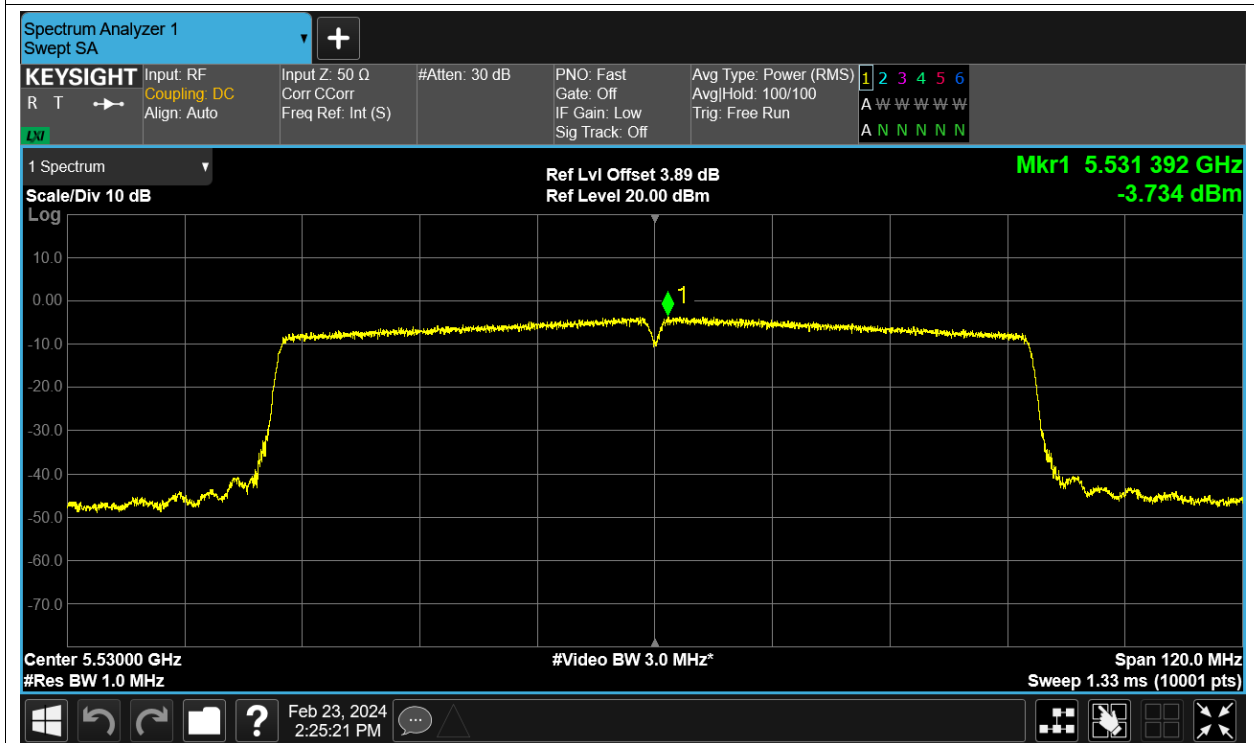
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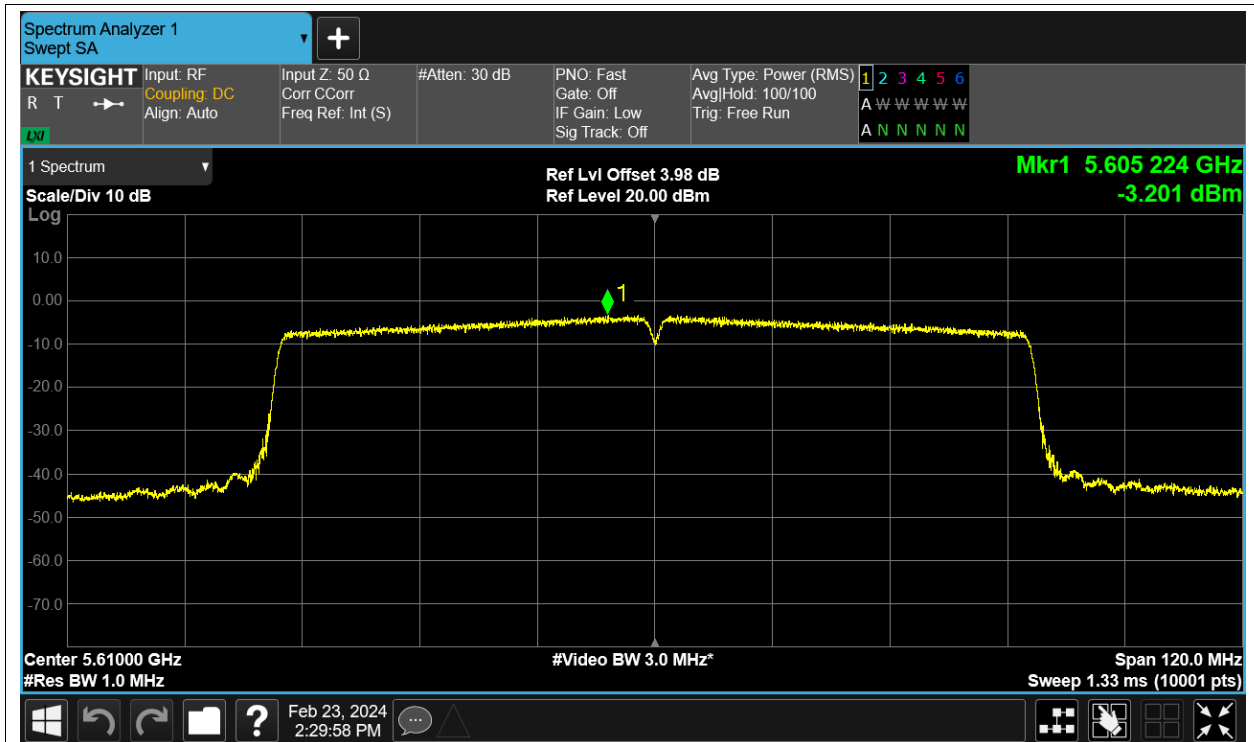
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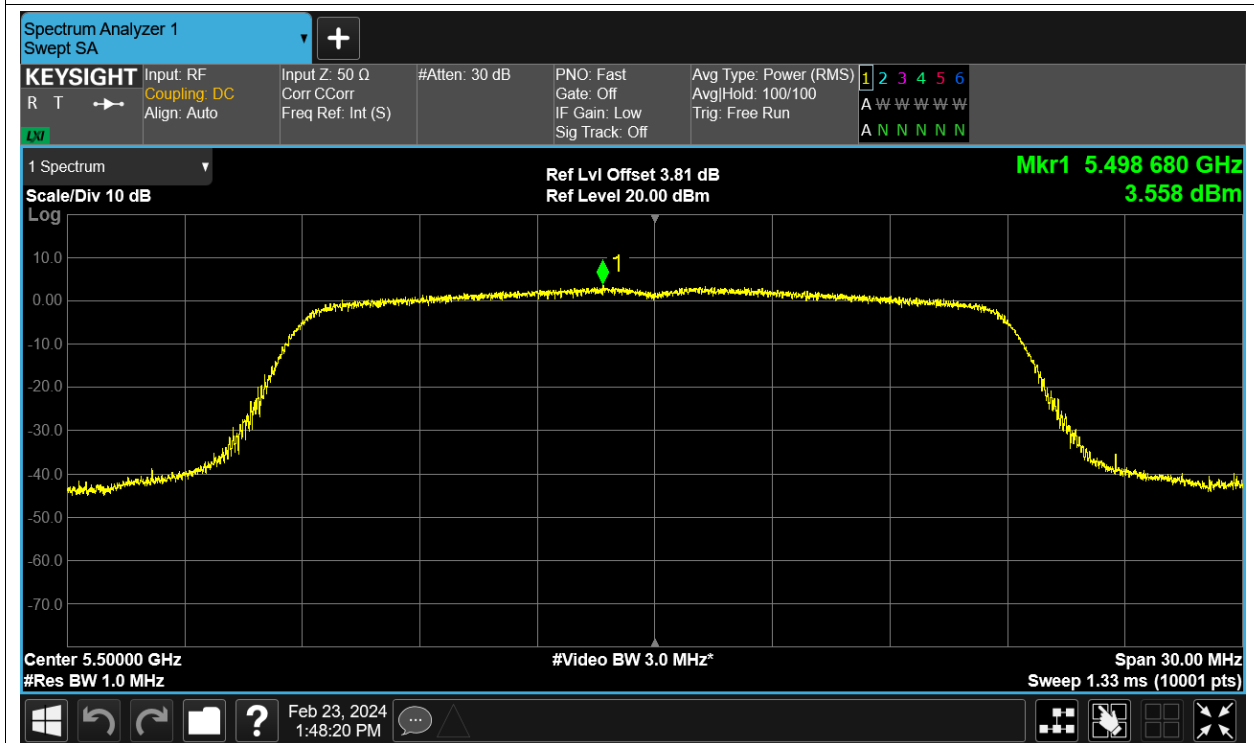
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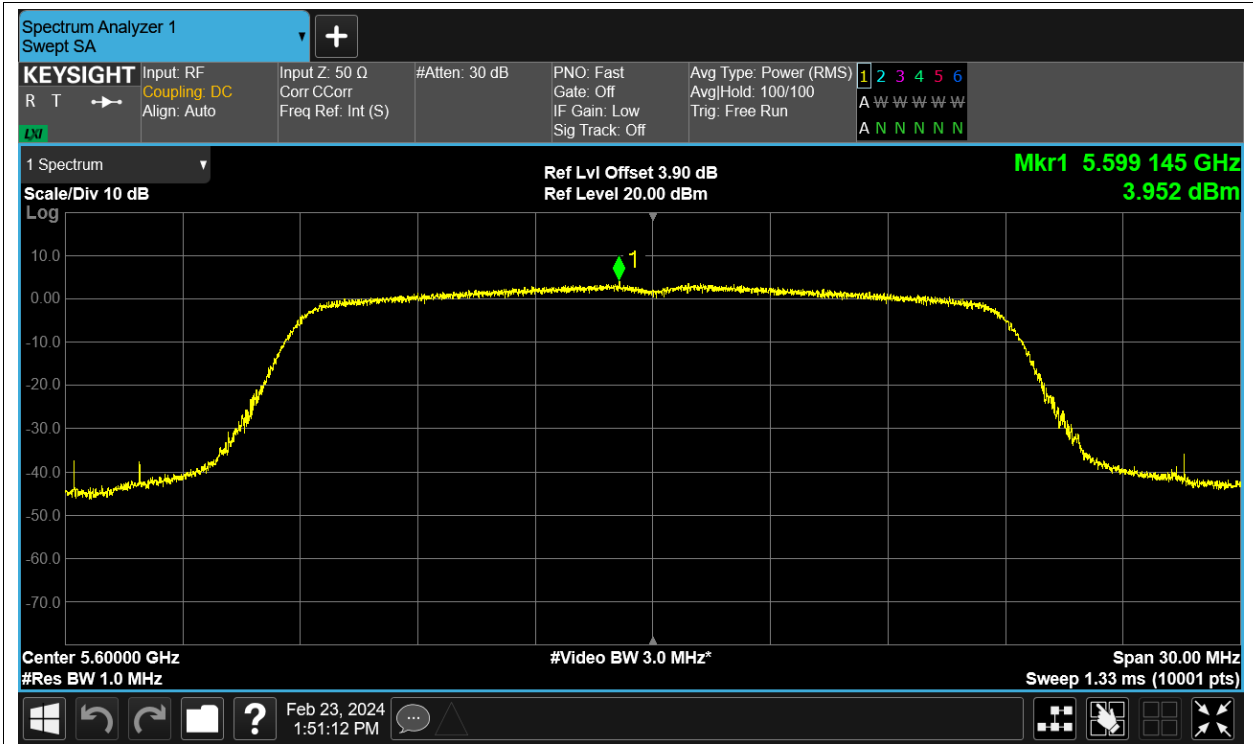
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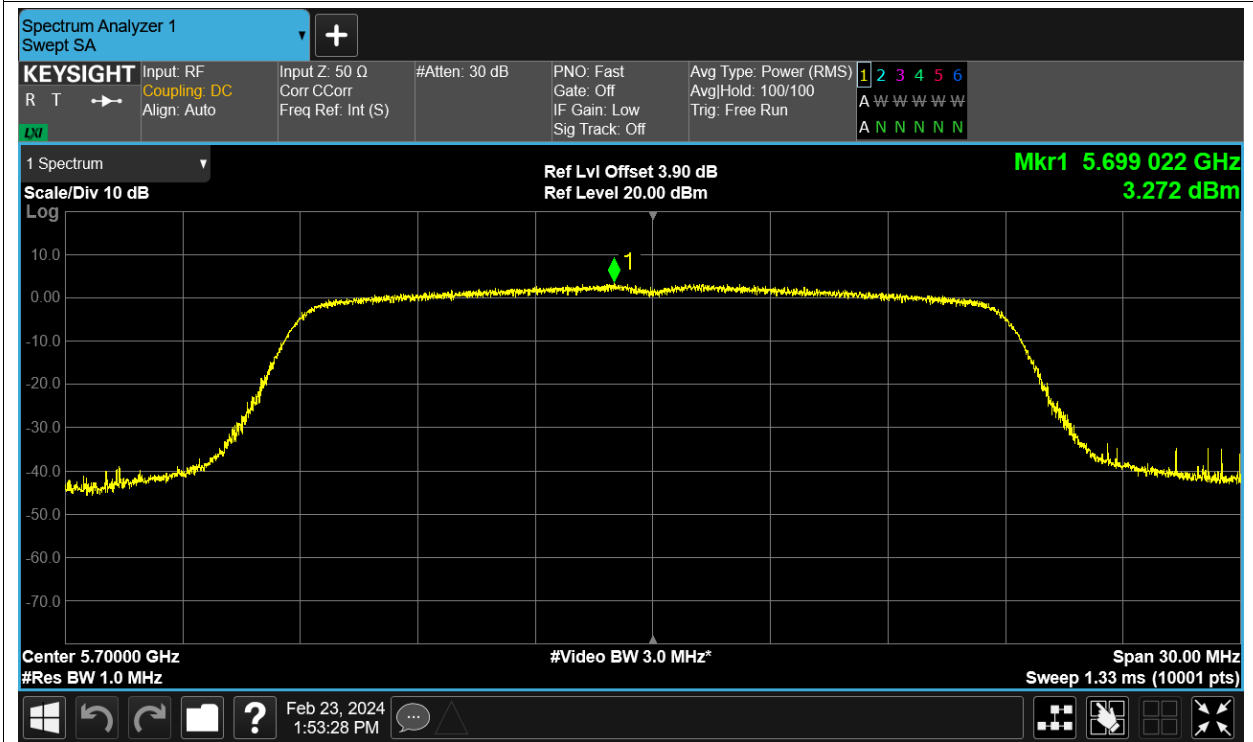
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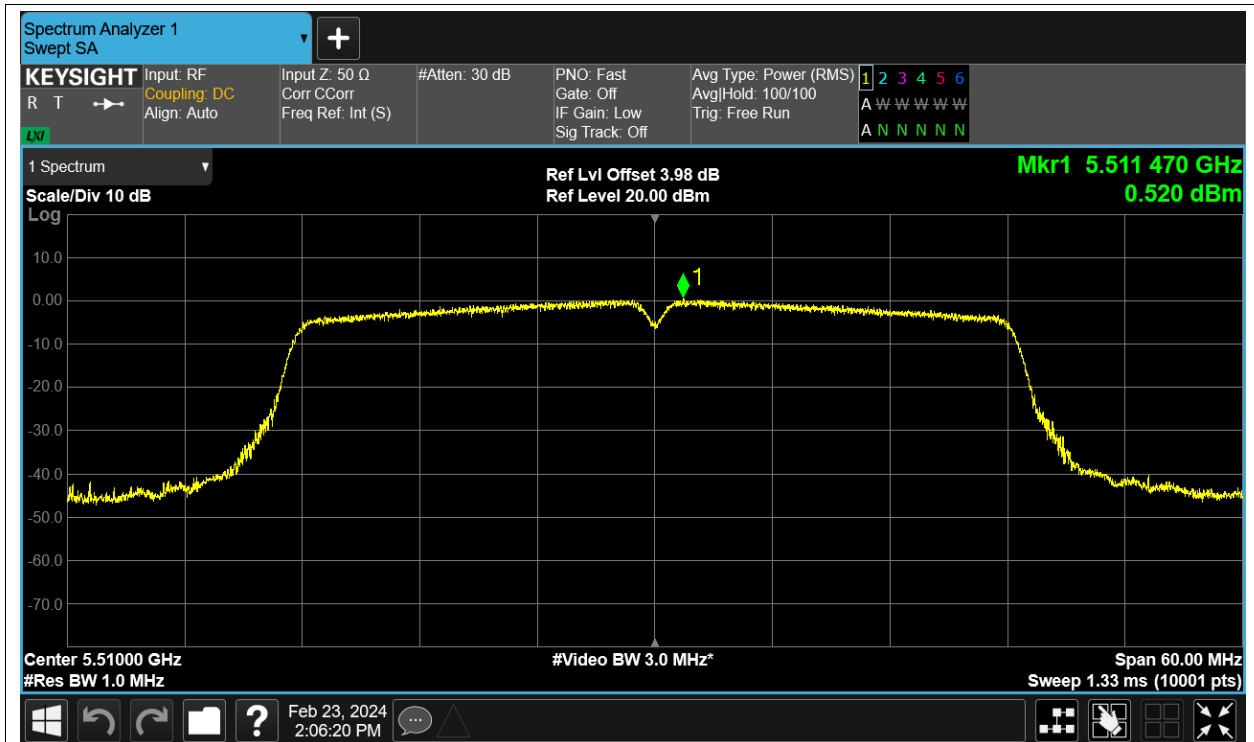
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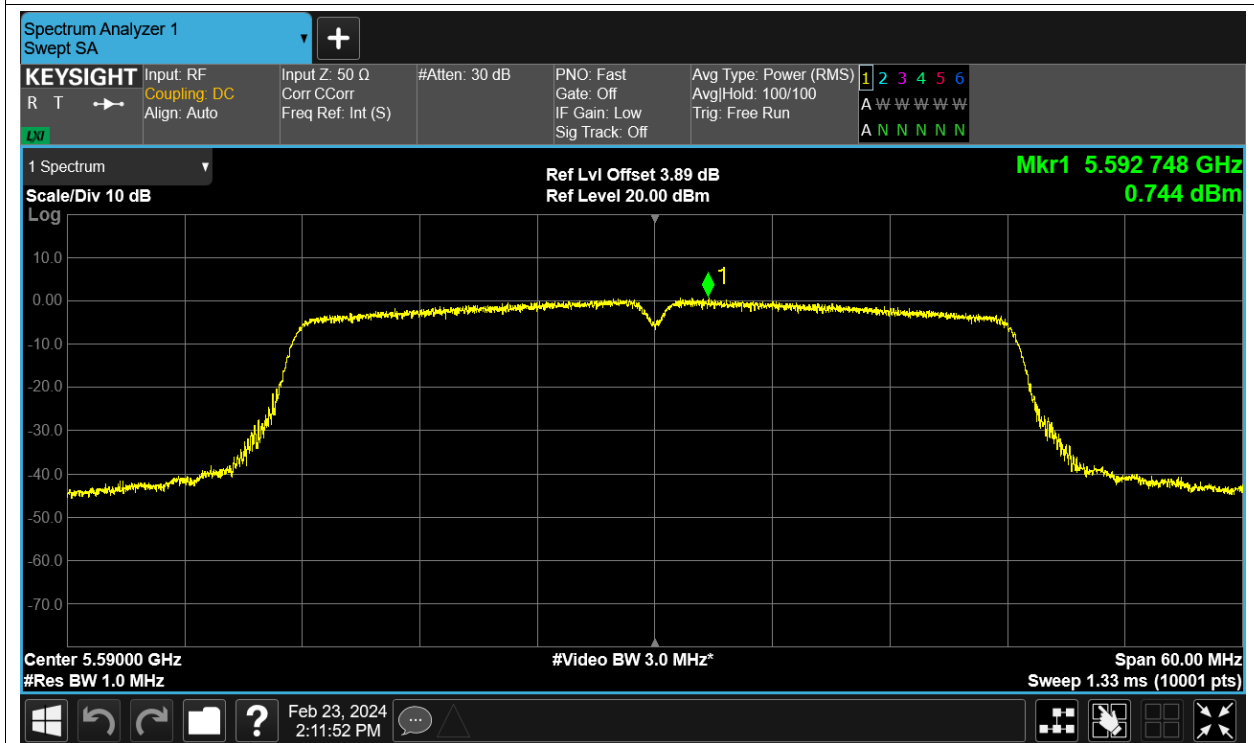
PSD NVNT n20 5700MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5667MHz Ant1

