

Test Data

Frequency Stability

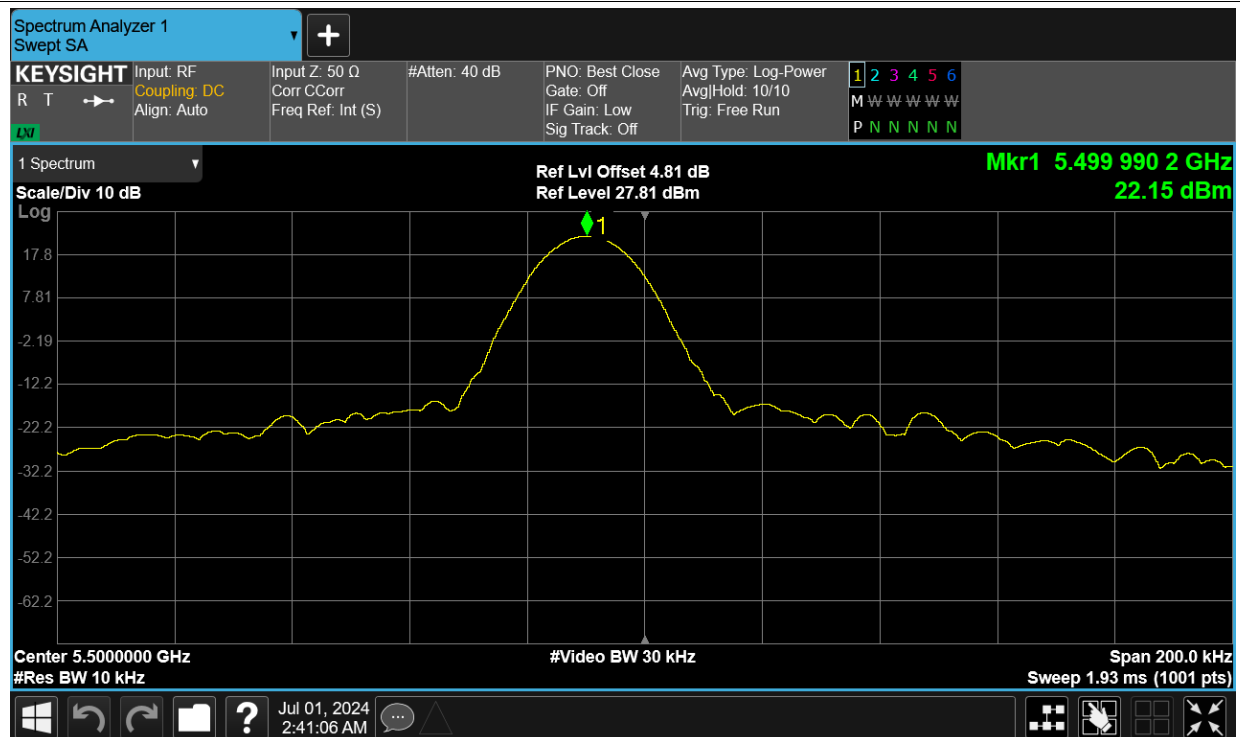
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant1	5499.99	-1.82	Within authorized band	Pass
LVNT	a	5500	Ant1	5499.9902	-1.78		Pass
NVHT	a	5500	Ant1	5499.9908	-1.67		Pass
NVLT	a	5500	Ant1	5499.9918	-1.49		Pass
NVNT	a	5500	Ant1	5499.9906	-1.71		Pass
HVNT	ac80	5530	Ant1	5529.9906	-1.7		Pass
LVNT	ac80	5530	Ant1	5529.9908	-1.66		Pass
NVHT	ac80	5530	Ant1	5529.991	-1.63		Pass
NVLT	ac80	5530	Ant1	5529.9914	-1.56		Pass
NVNT	ac80	5530	Ant1	5529.9926	-1.34		Pass
HVNT	n40	5510	Ant1	5509.9906	-1.71		Pass
LVNT	n40	5510	Ant1	5509.991	-1.63		Pass
NVHT	n40	5510	Ant1	5509.9916	-1.52		Pass
NVLT	n40	5510	Ant1	5509.9924	-1.38		Pass
NVNT	n40	5510	Ant1	5509.9908	-1.67		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

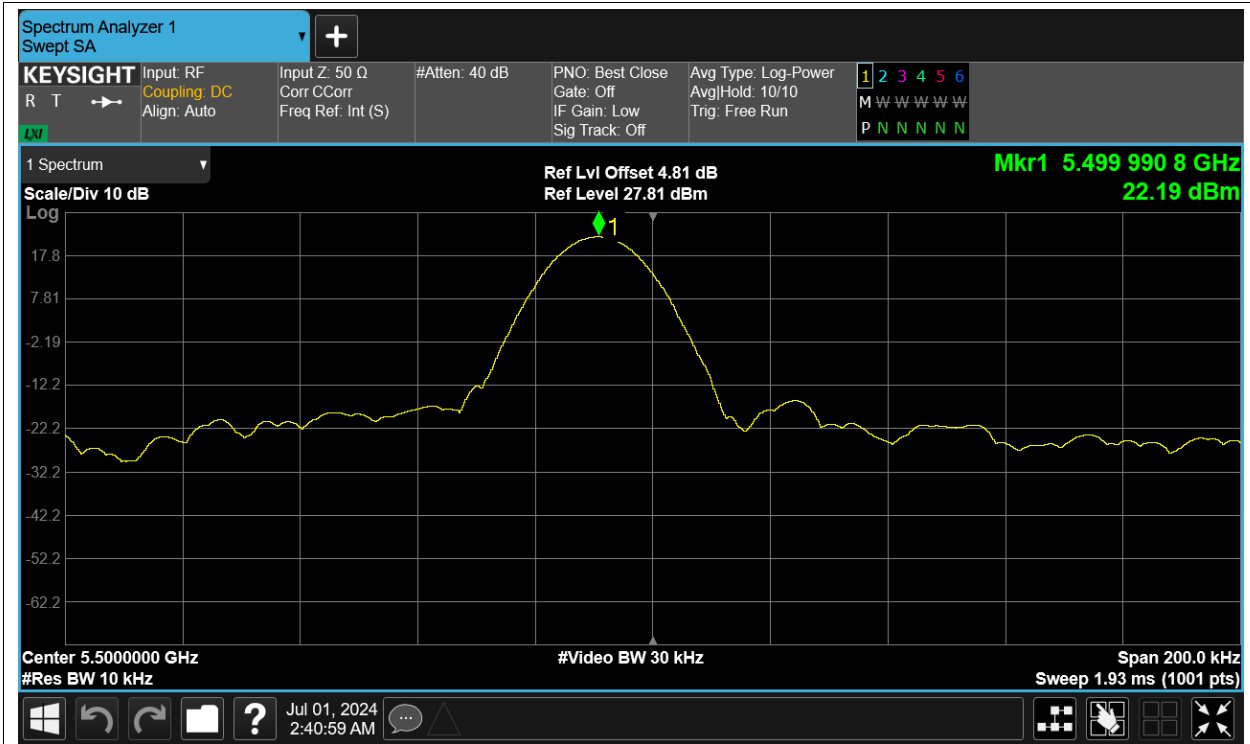
Freq. Stability HVNT a 5500MHz Ant1



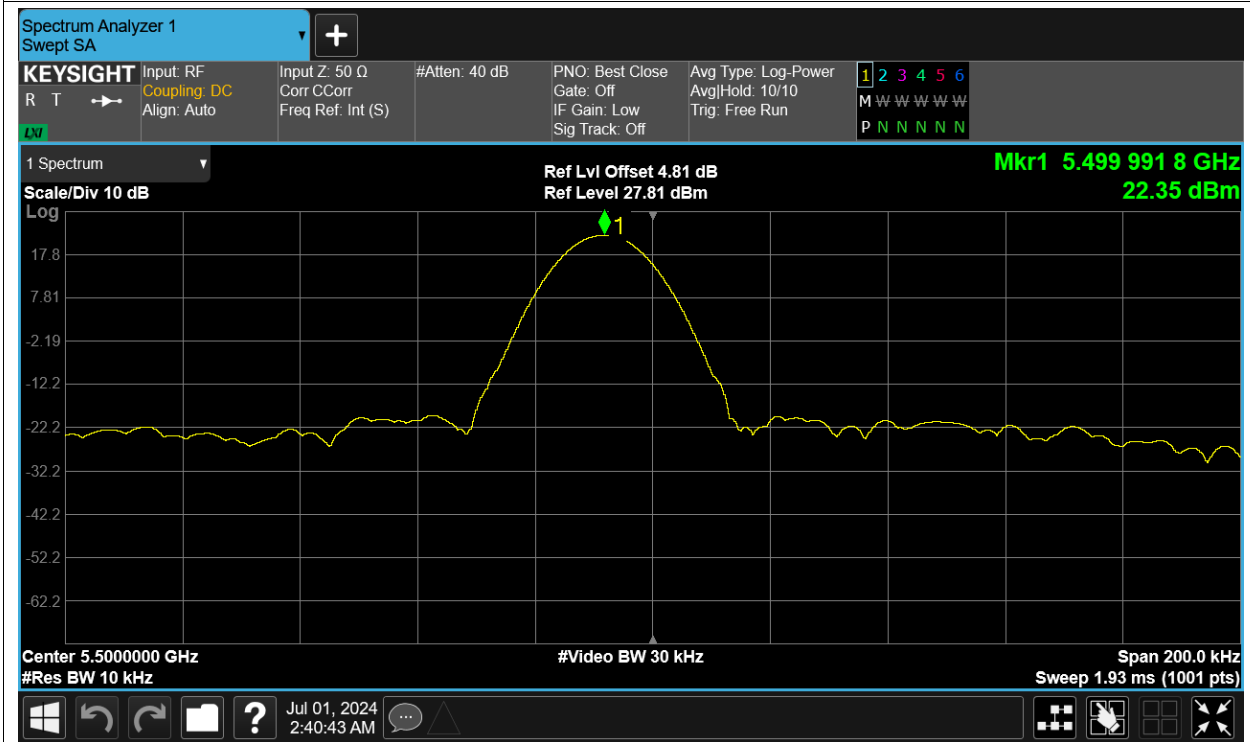
Freq. Stability LVNT a 5500MHz Ant1



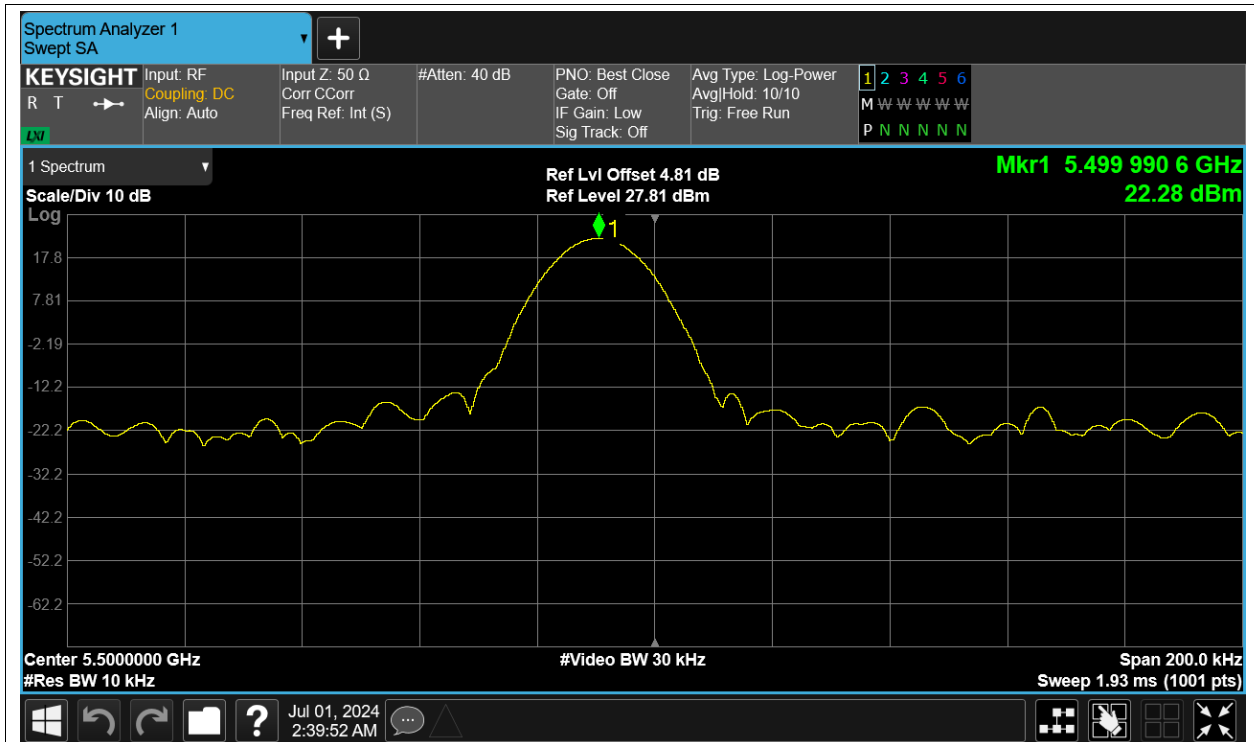
Freq. Stability NVHT a 5500MHz Ant1



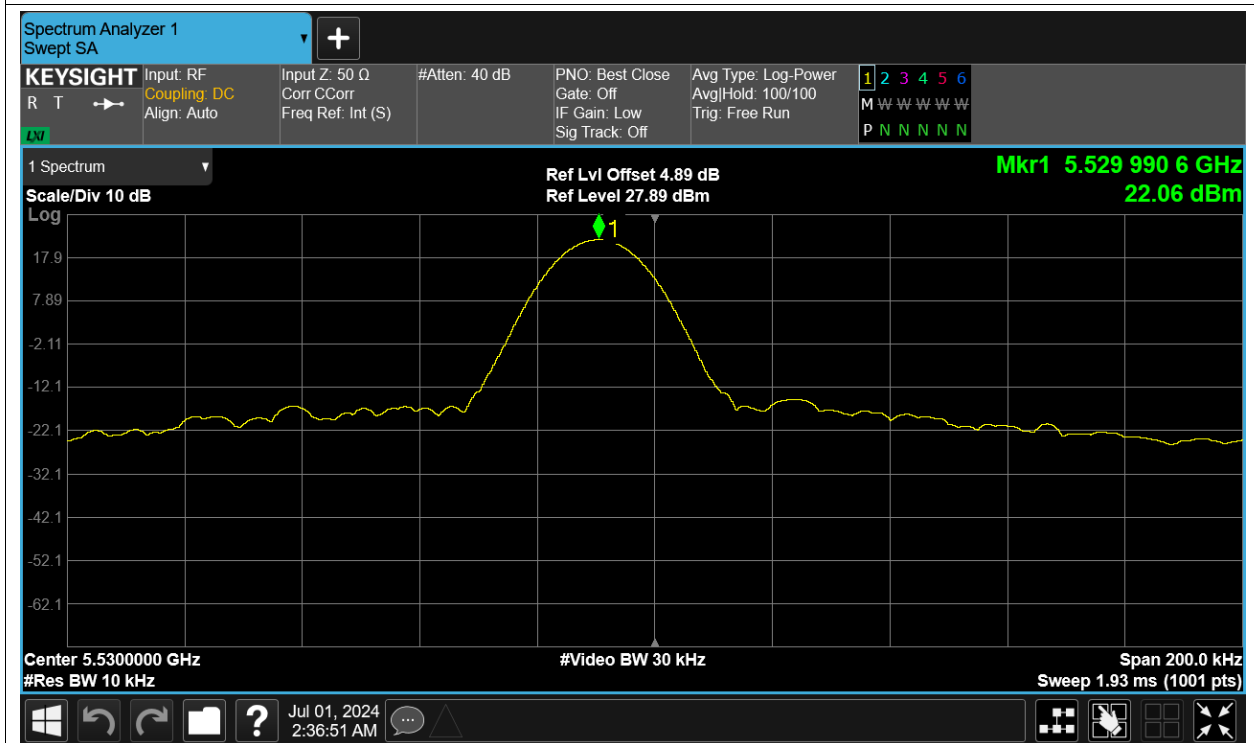
Freq. Stability NVLT a 5500MHz Ant1



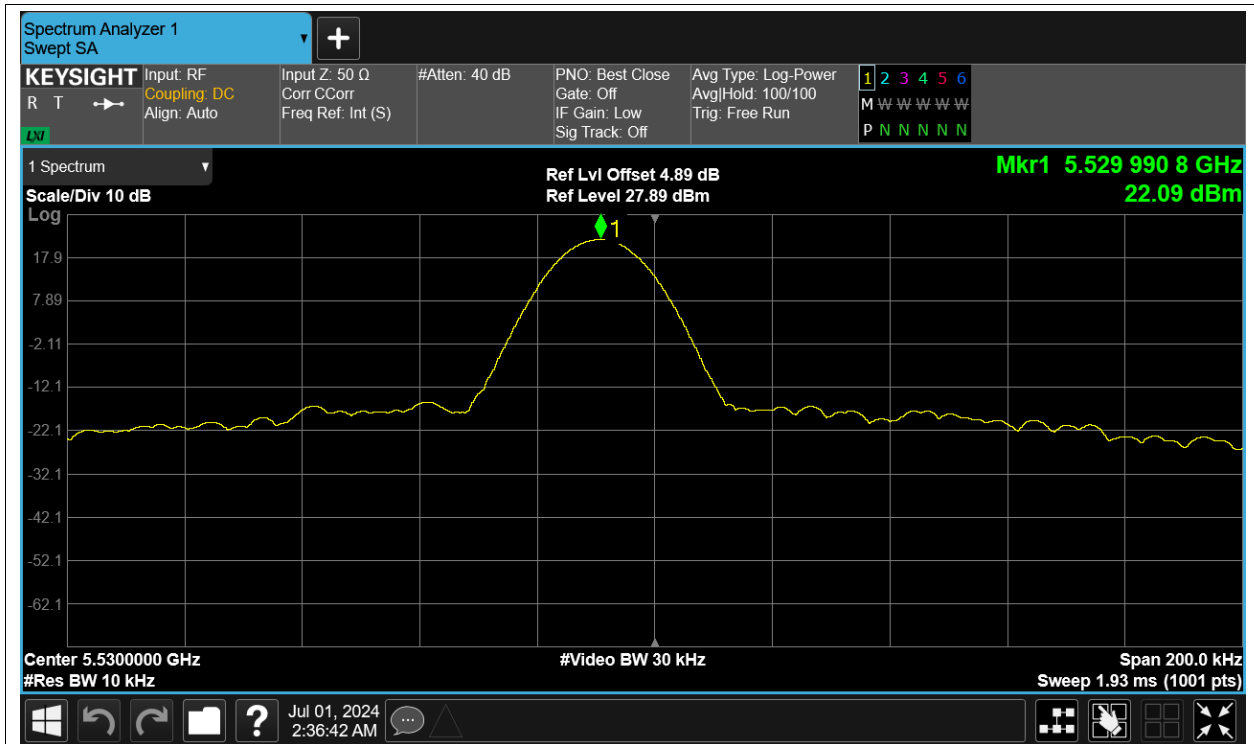
Freq. Stability NVNT a 5500MHz Ant1



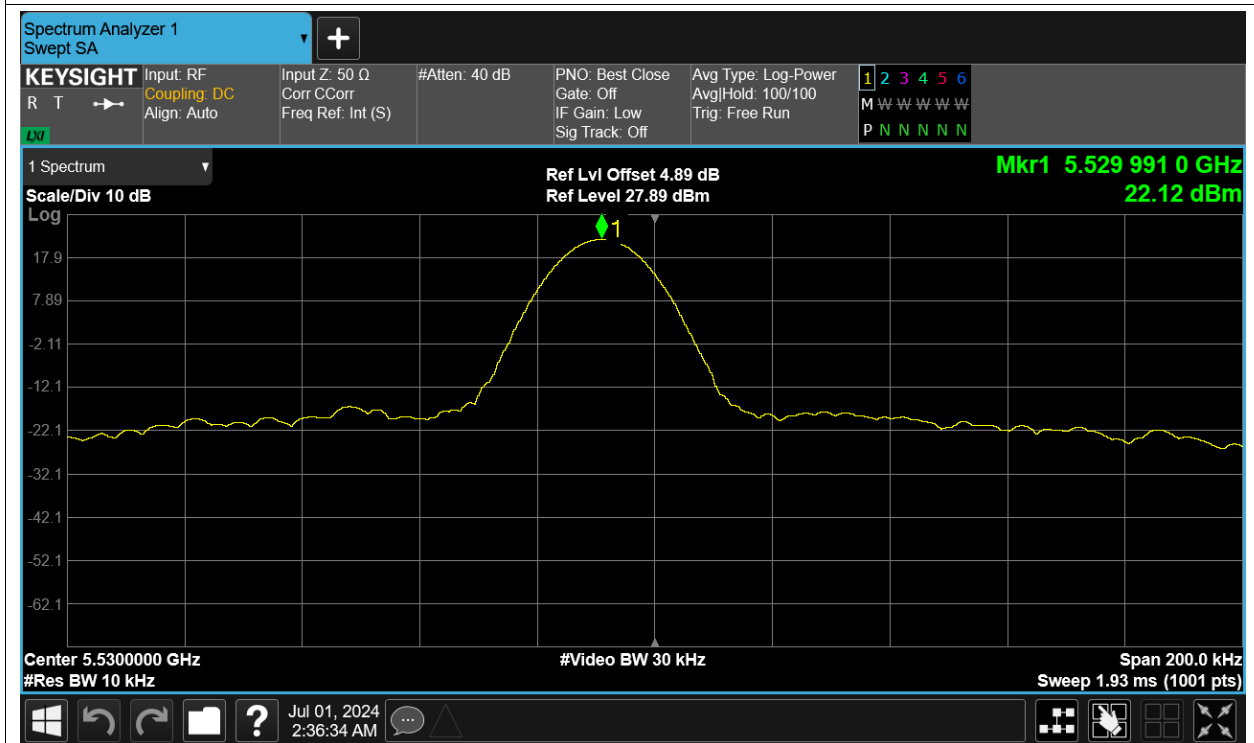
Freq. Stability HVNT ac80 5530MHz Ant1



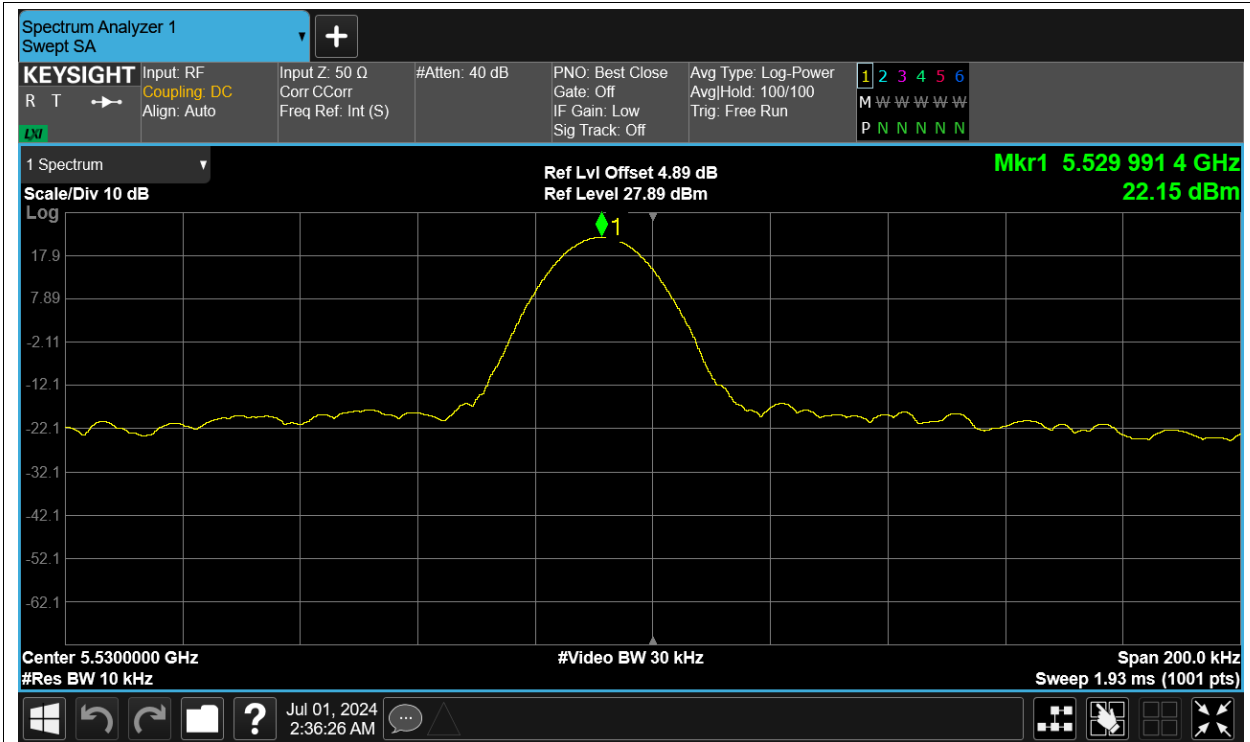
Freq. Stability LVNT ac80 5530MHz Ant1



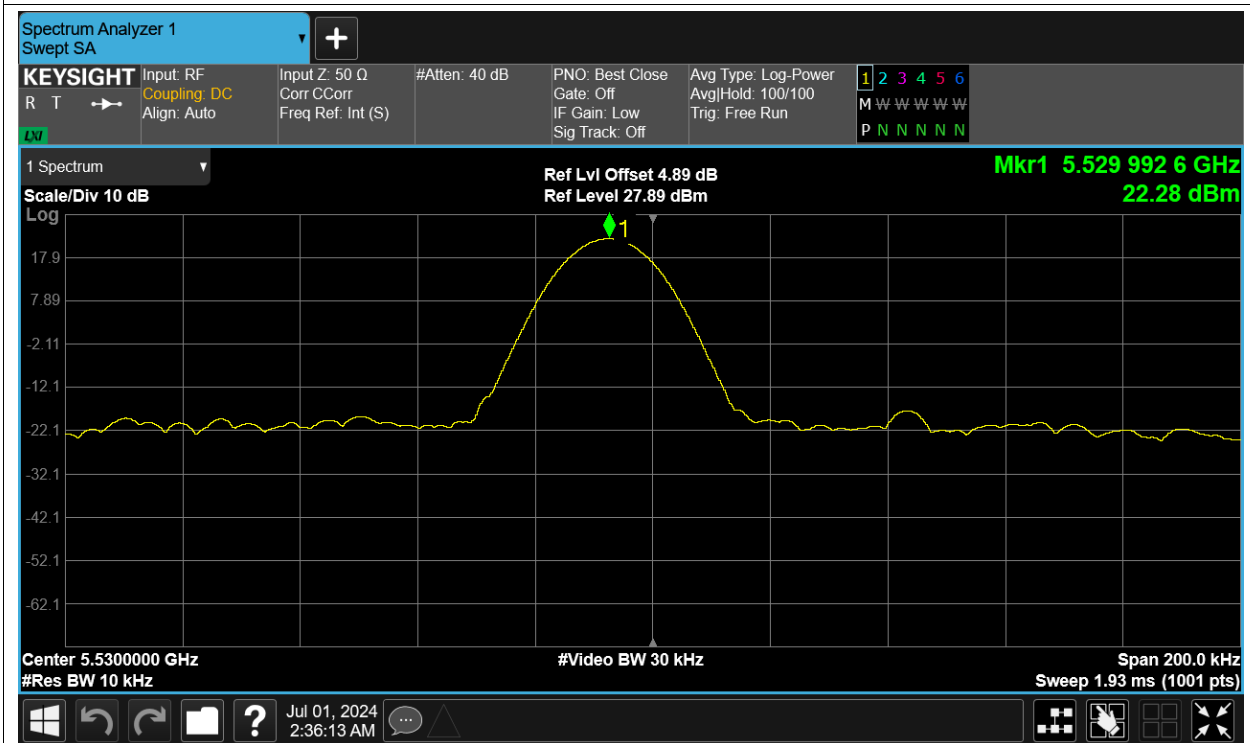
Freq. Stability NVHT ac80 5530MHz Ant1



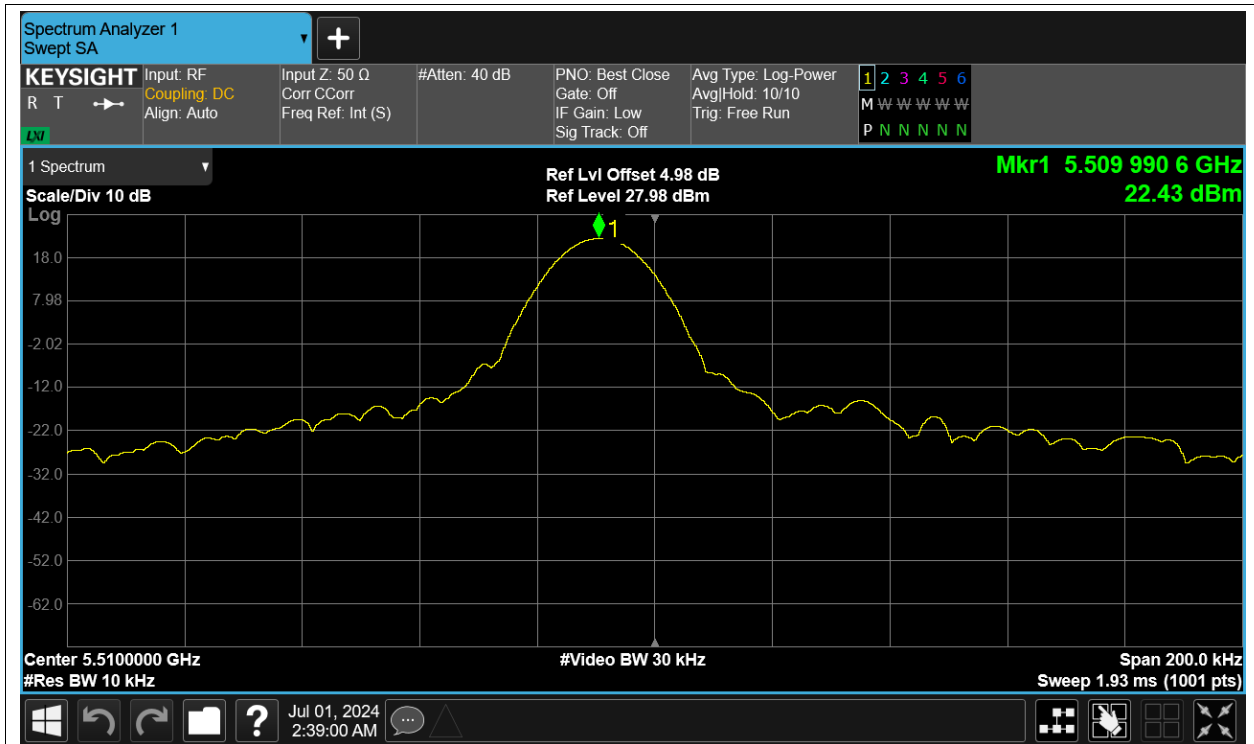
Freq. Stability NVLT ac80 5530MHz Ant1



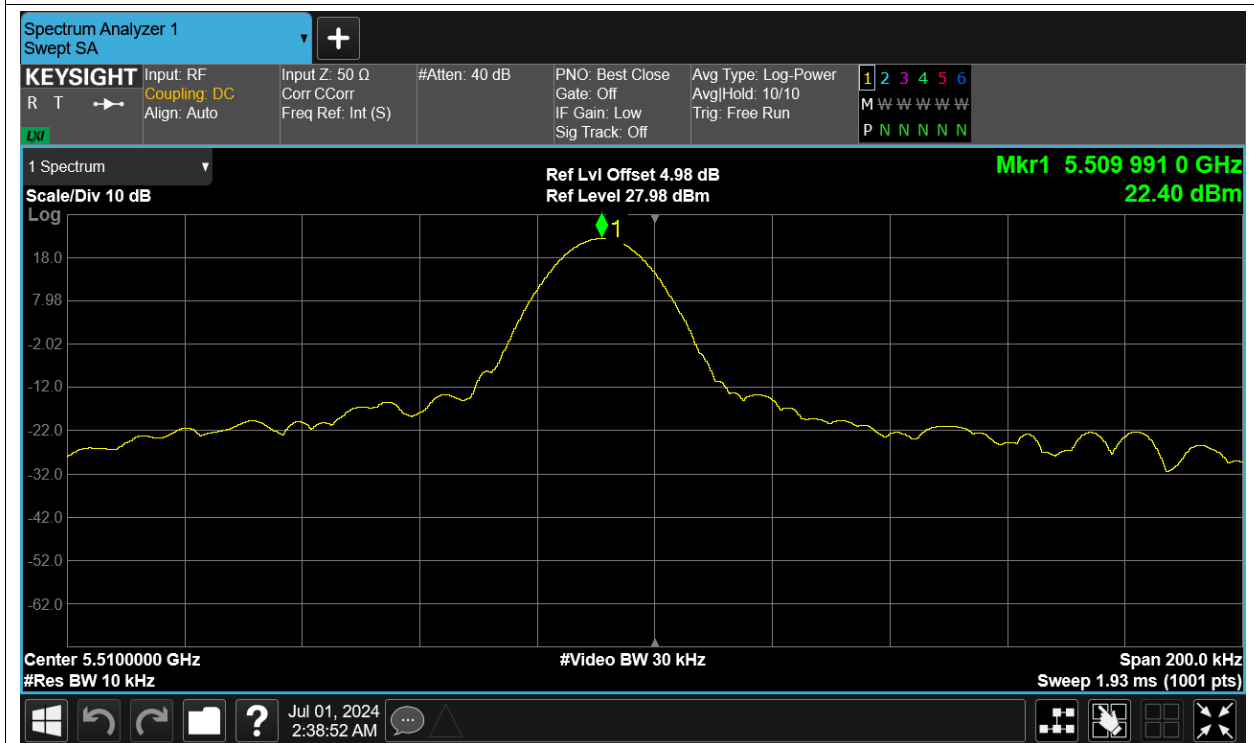
Freq. Stability NVNT ac80 5530MHz Ant1



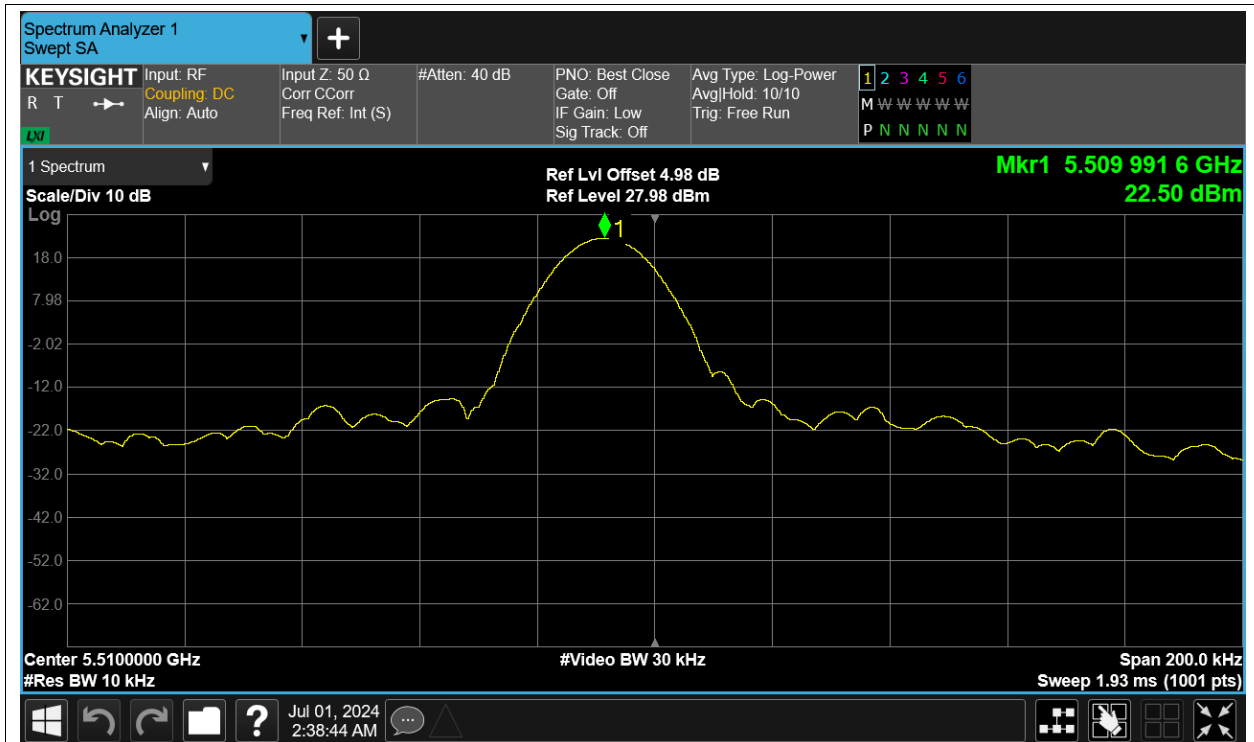
Freq. Stability HVNT n40 5510MHz Ant1



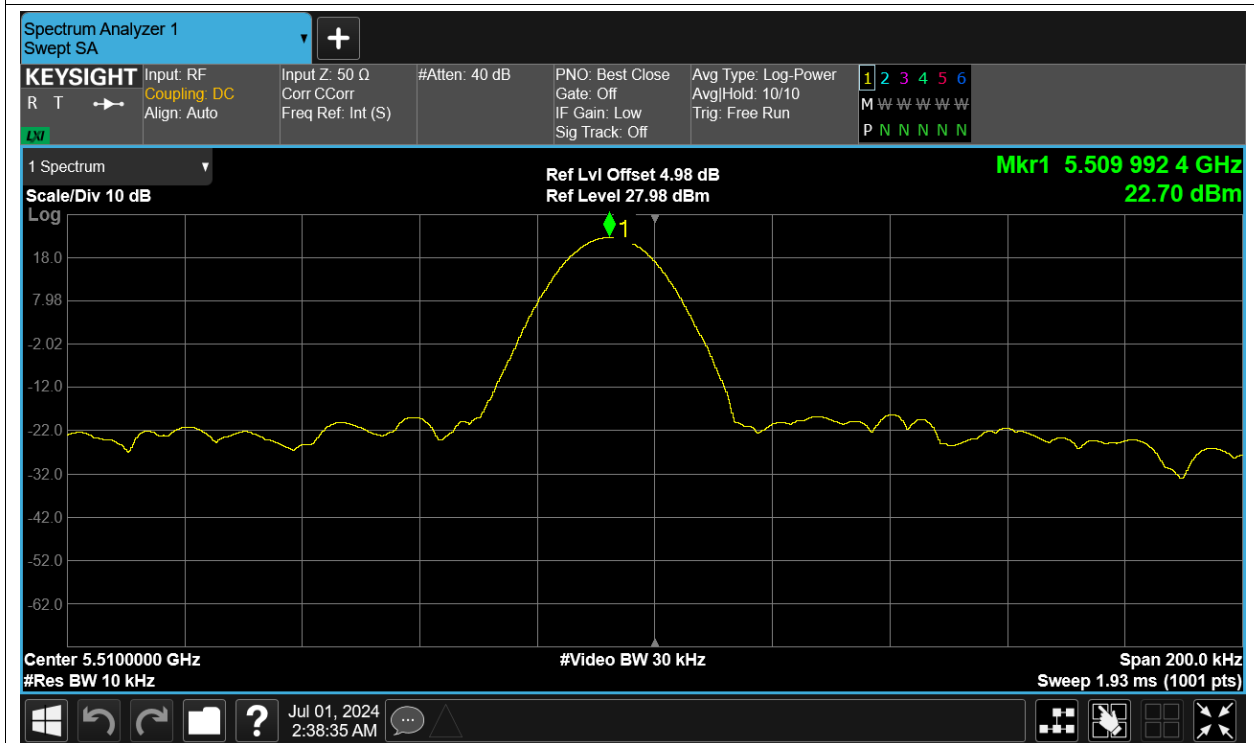
Freq. Stability LVNT n40 5510MHz Ant1



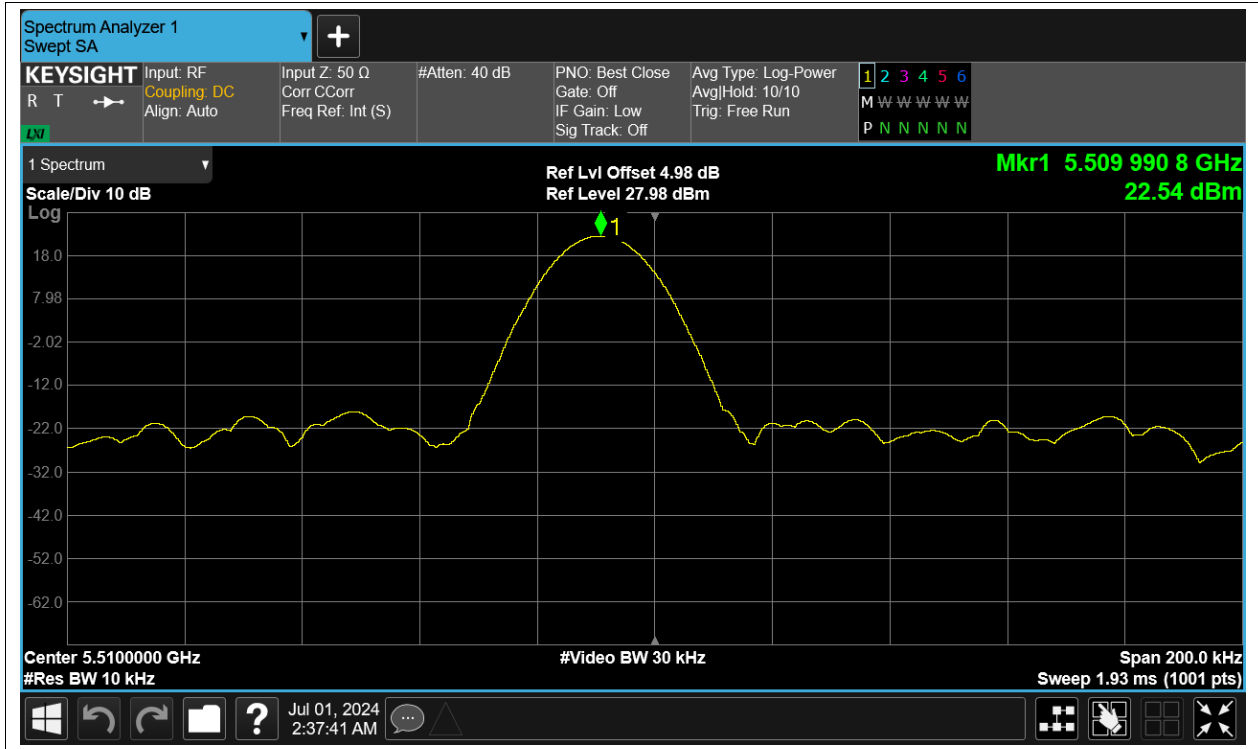
Freq. Stability NVHT n40 5510MHz Ant1



Freq. Stability NVLT n40 5510MHz Ant1

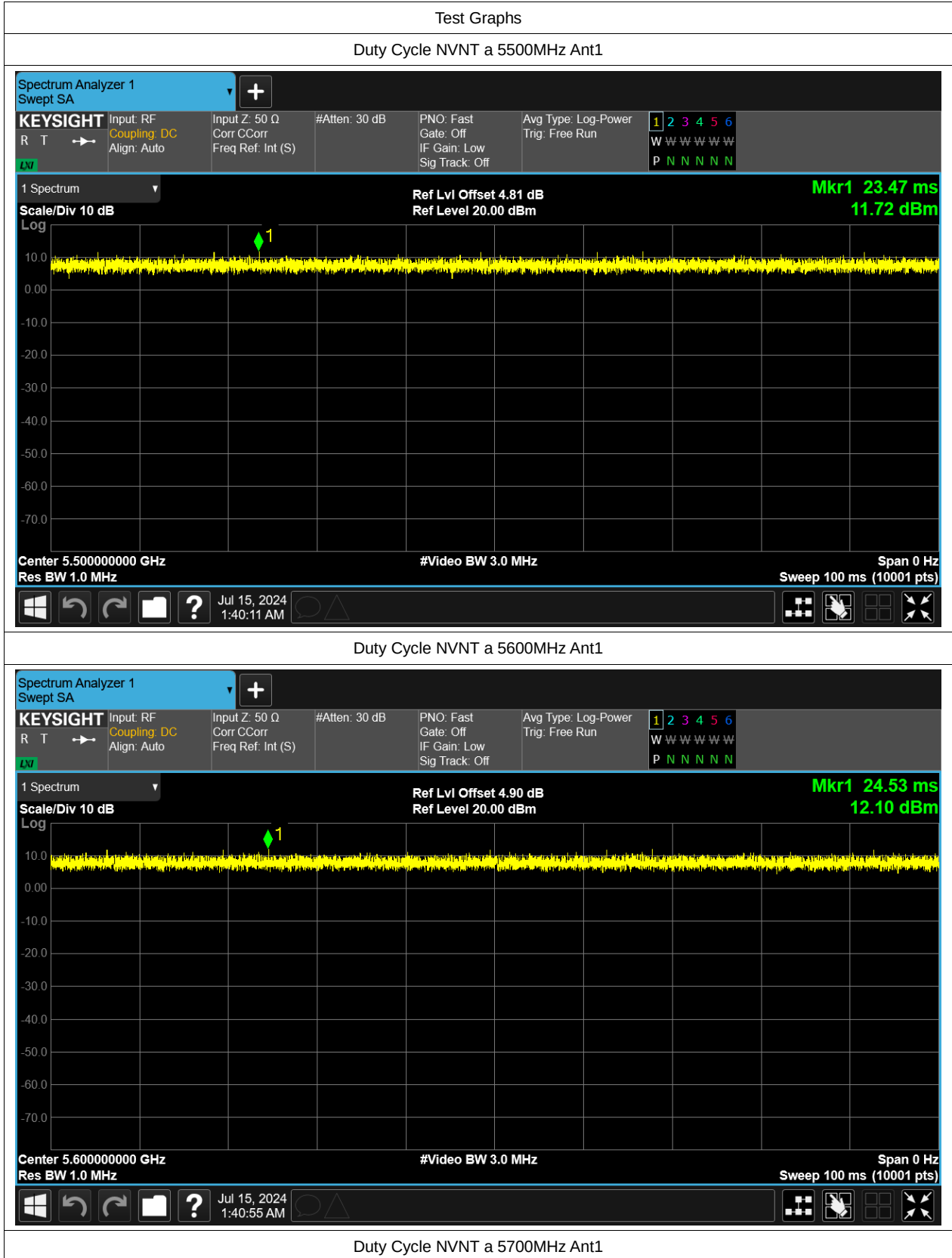


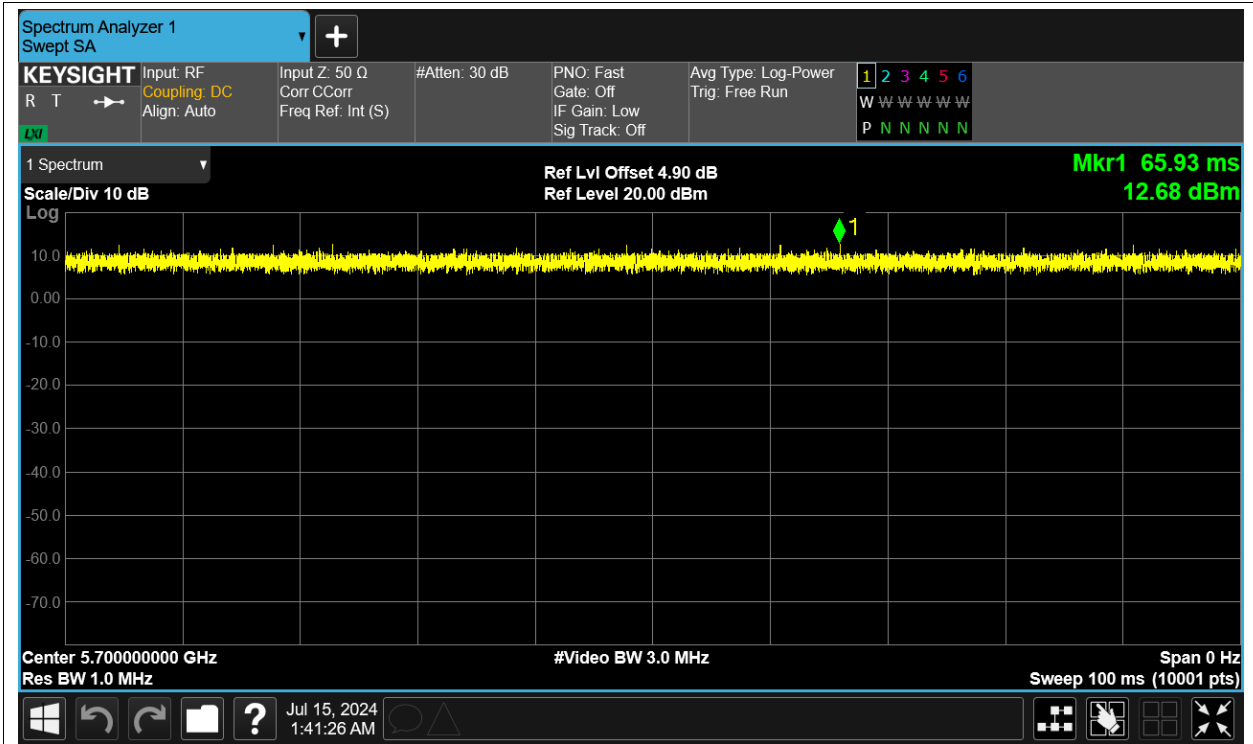
Freq. Stability NVNT n40 5510MHz Ant1



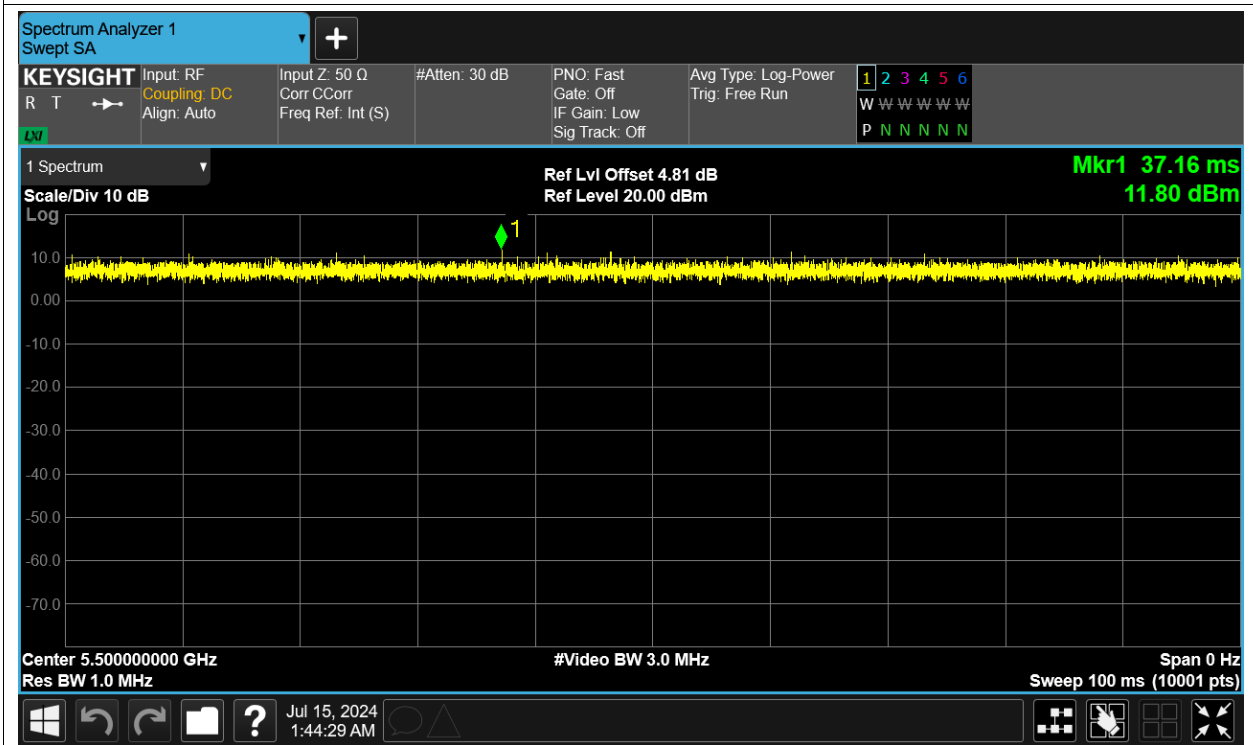
Duty Cycle

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

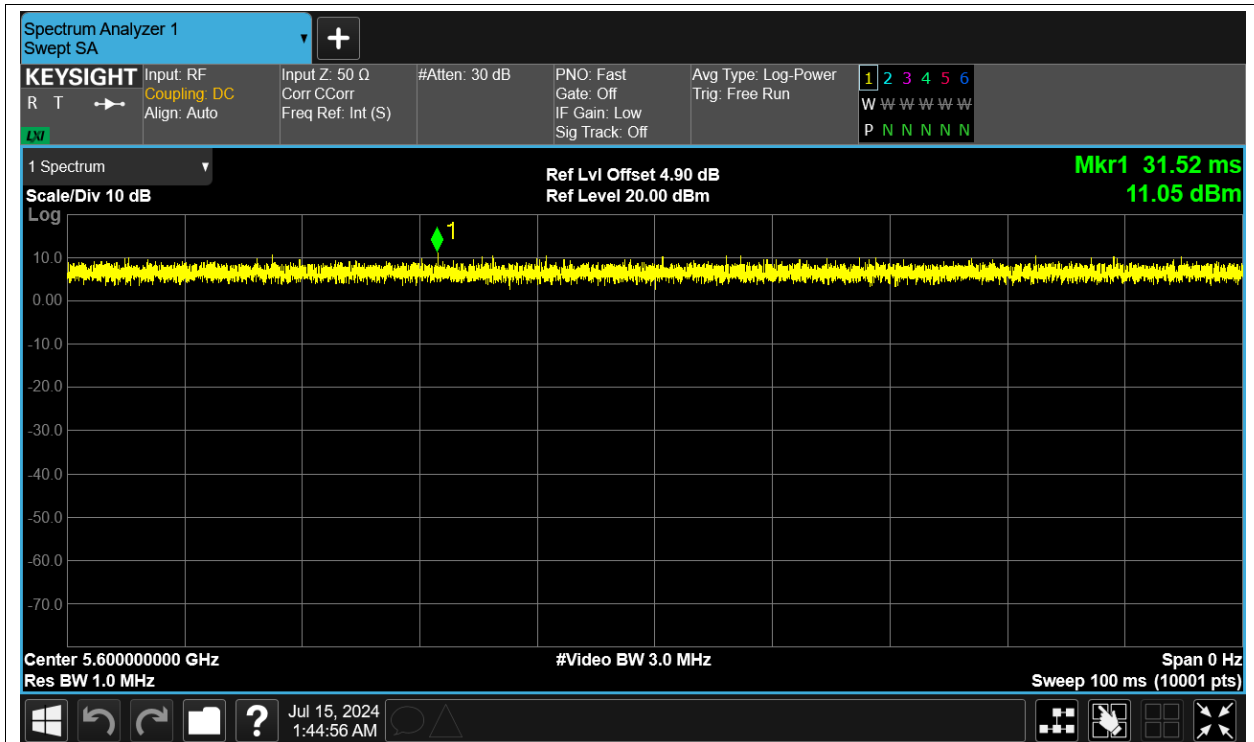




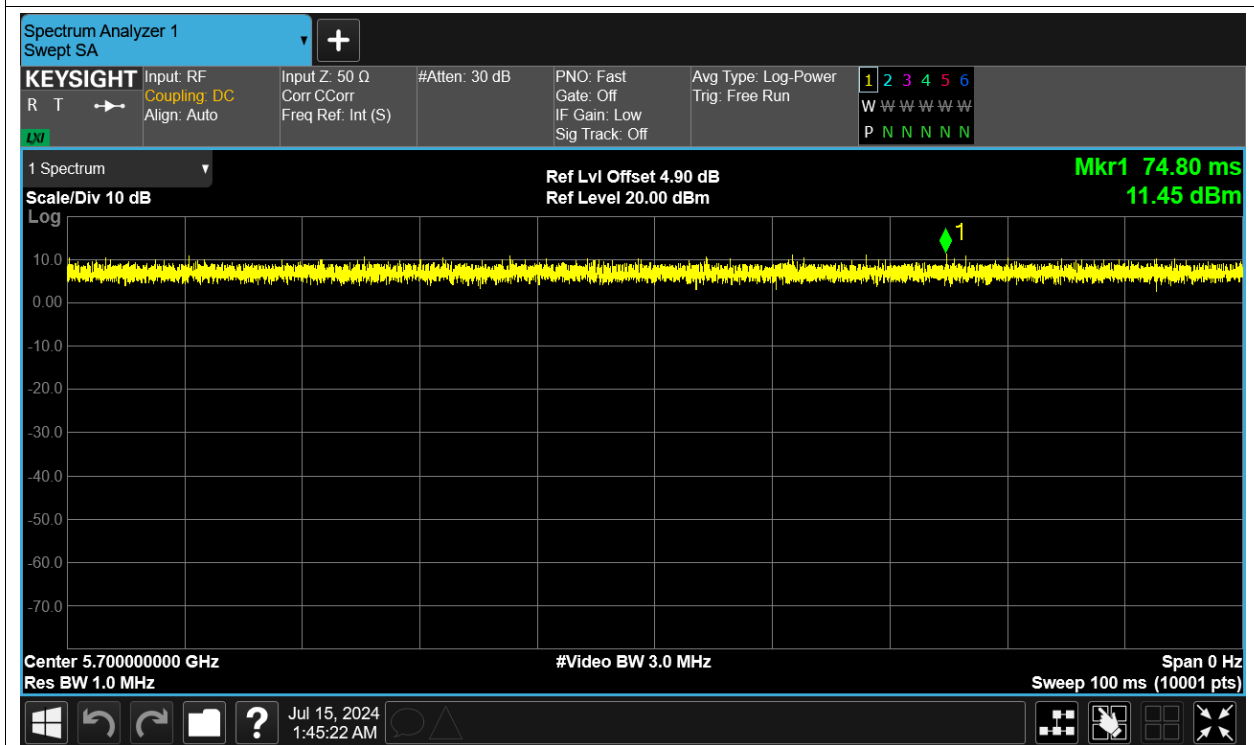
Duty Cycle NVNT ac20 5500MHz Ant1



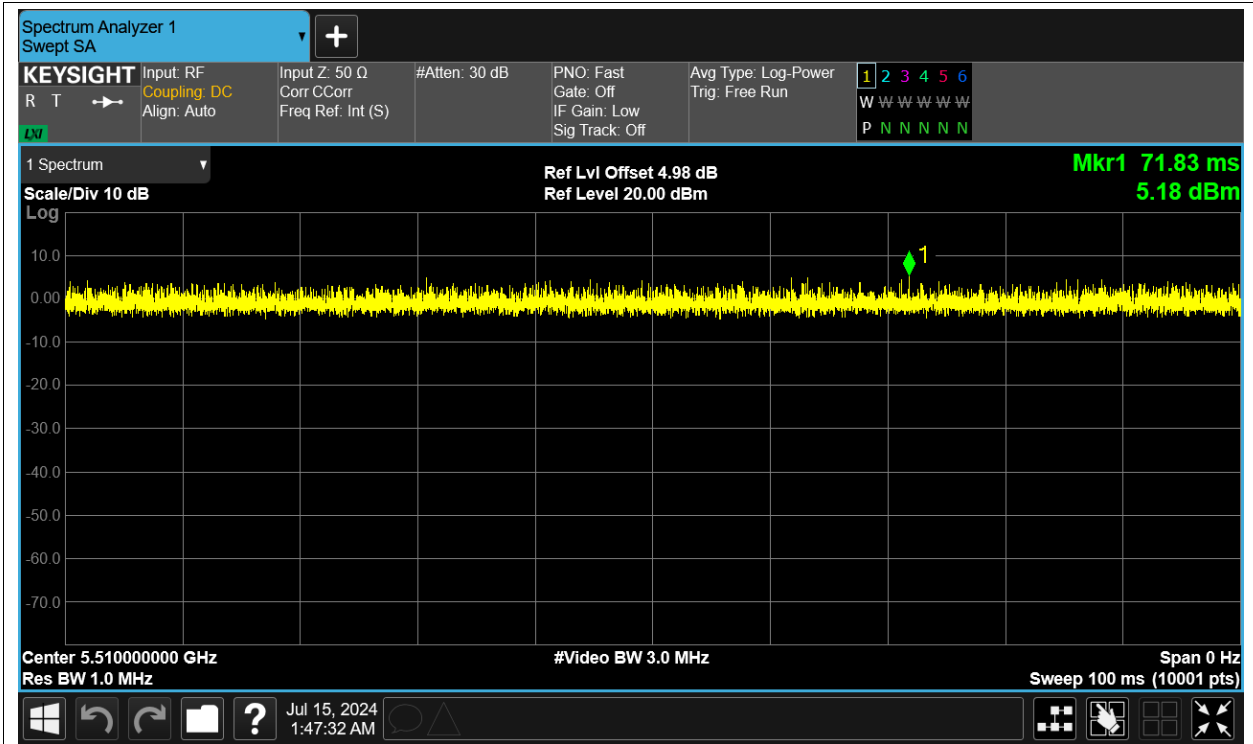
Duty Cycle NVNT ac20 5600MHz Ant1



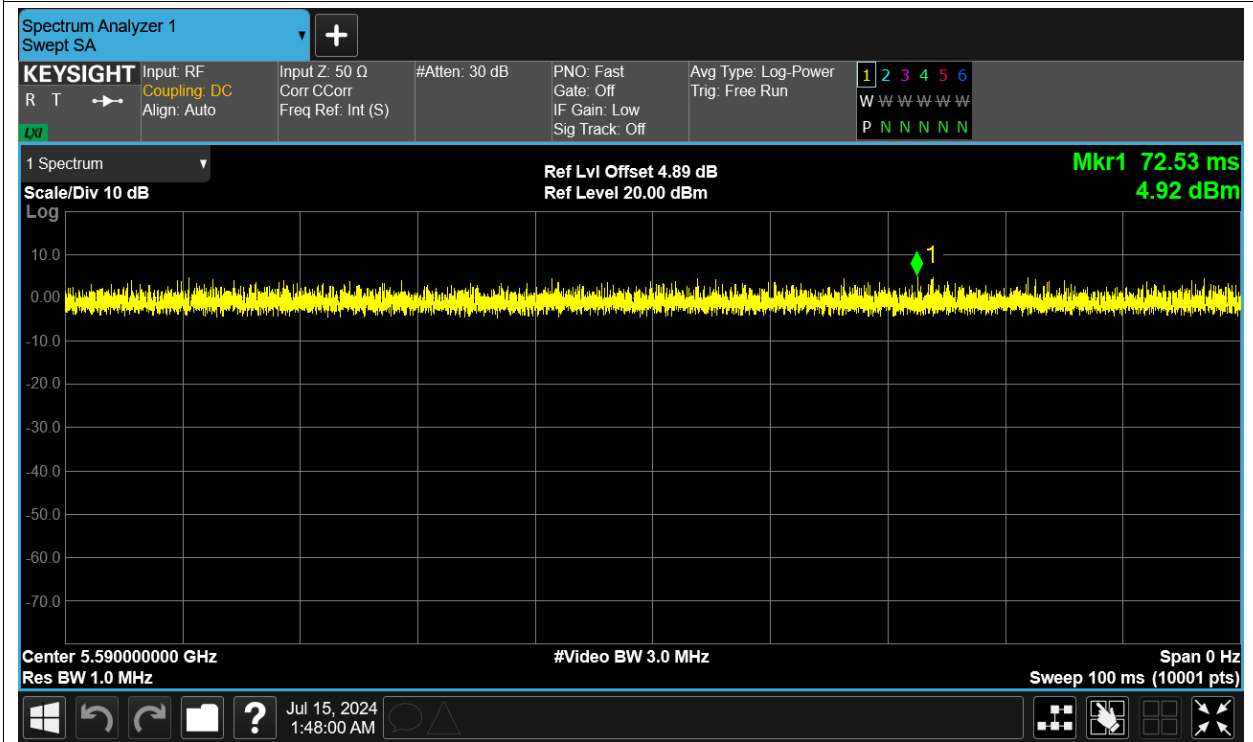
Duty Cycle NVNT ac20 5700MHz Ant1



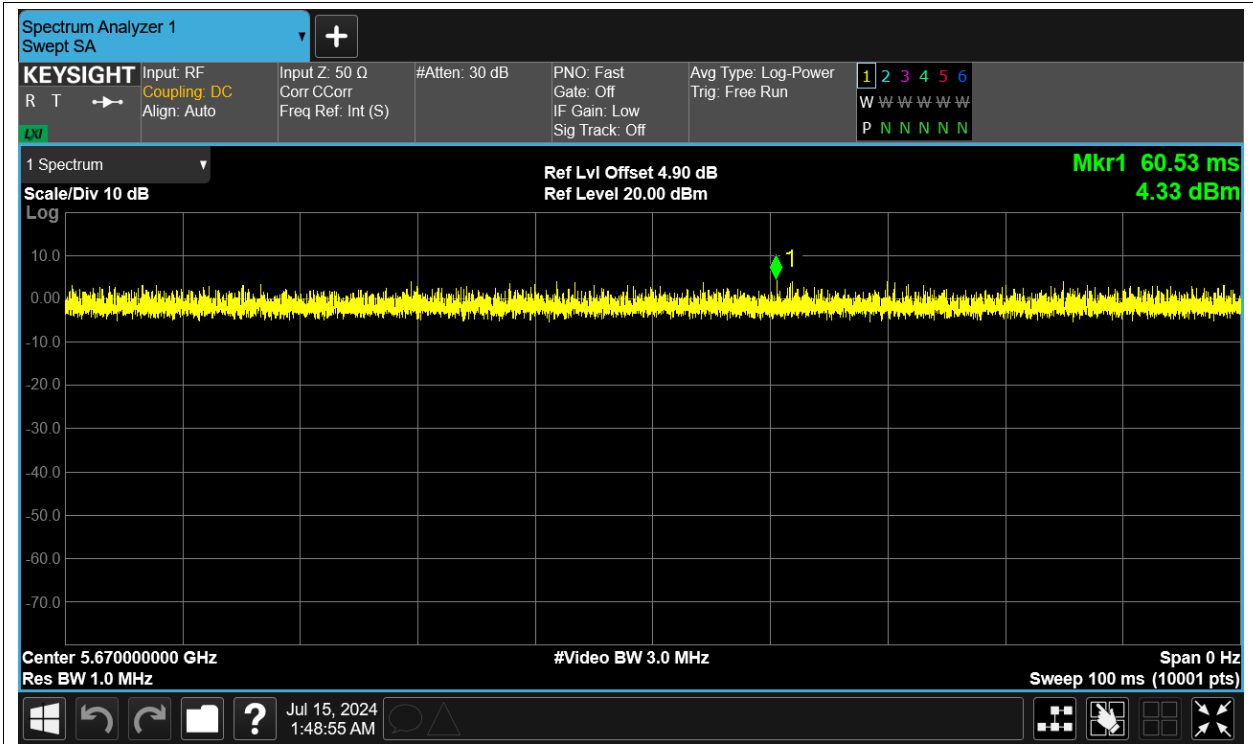
Duty Cycle NVNT ac40 5510MHz Ant1



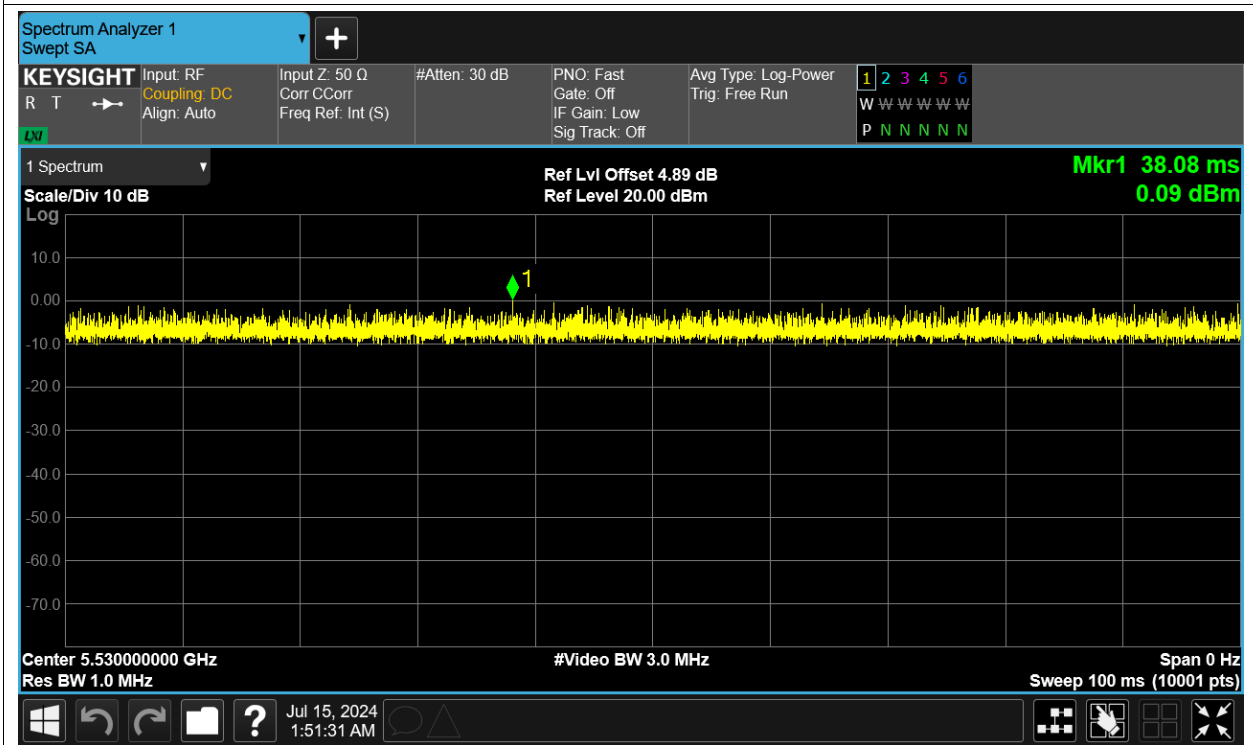
Duty Cycle NVNT ac40 5590MHz Ant1



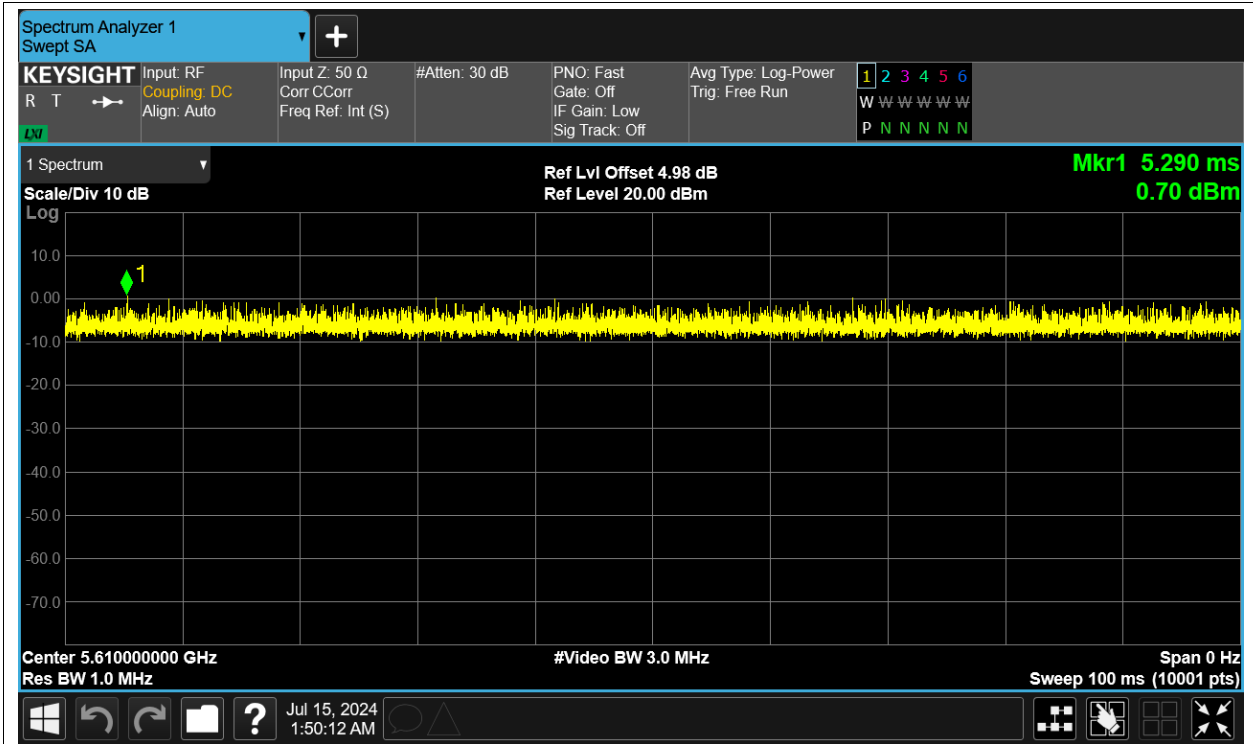
Duty Cycle NVNT ac40 5670MHz Ant1



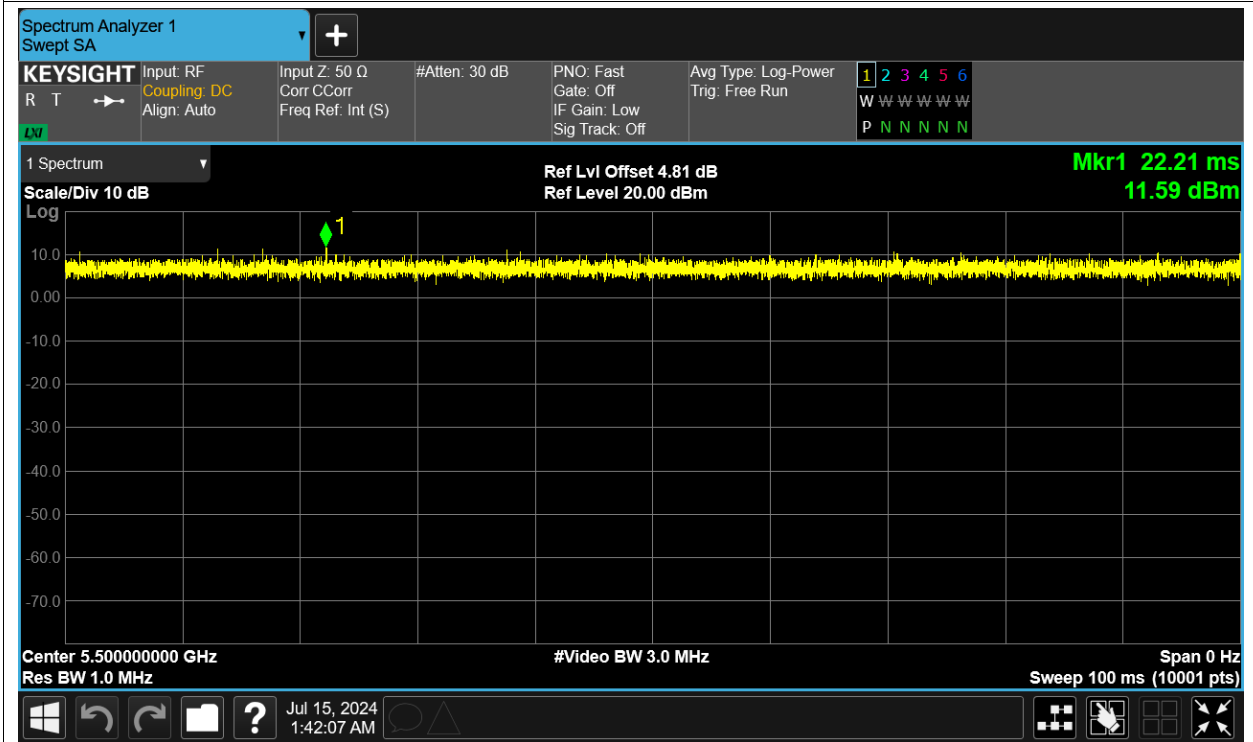
Duty Cycle NVNT ac80 5530MHz Ant1



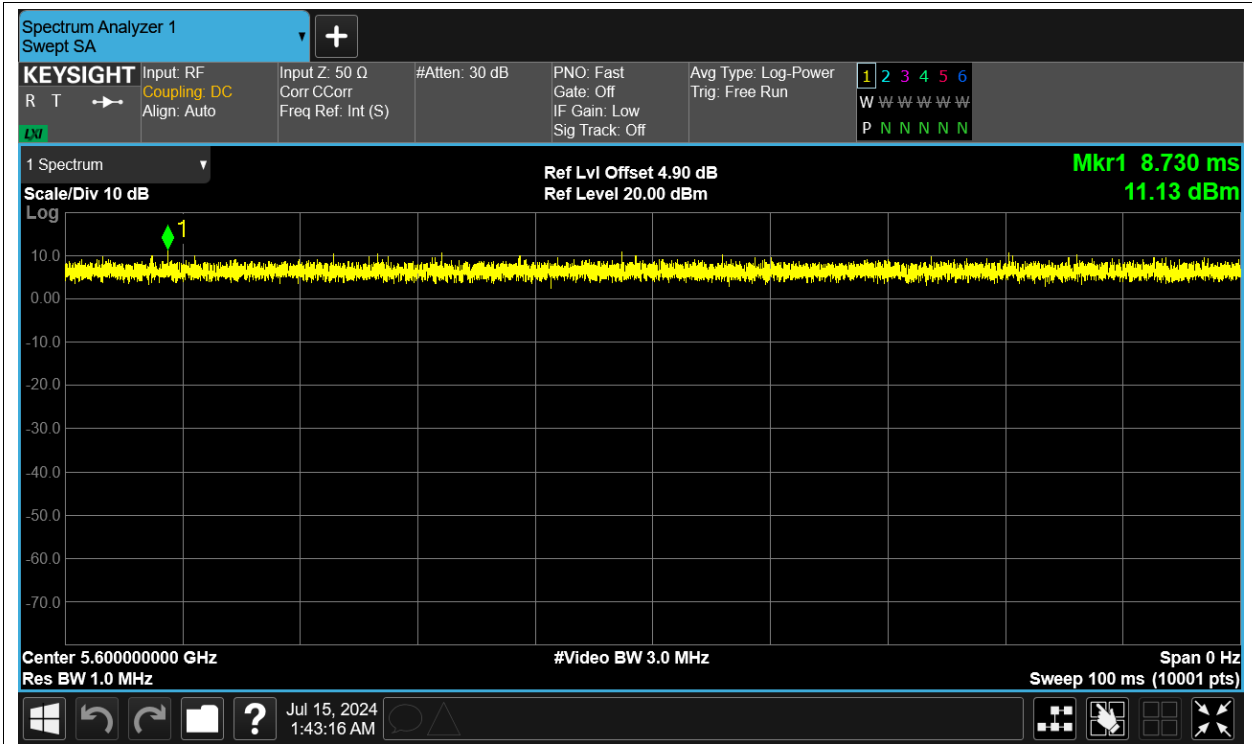
Duty Cycle NVNT ac80 5610MHz Ant1



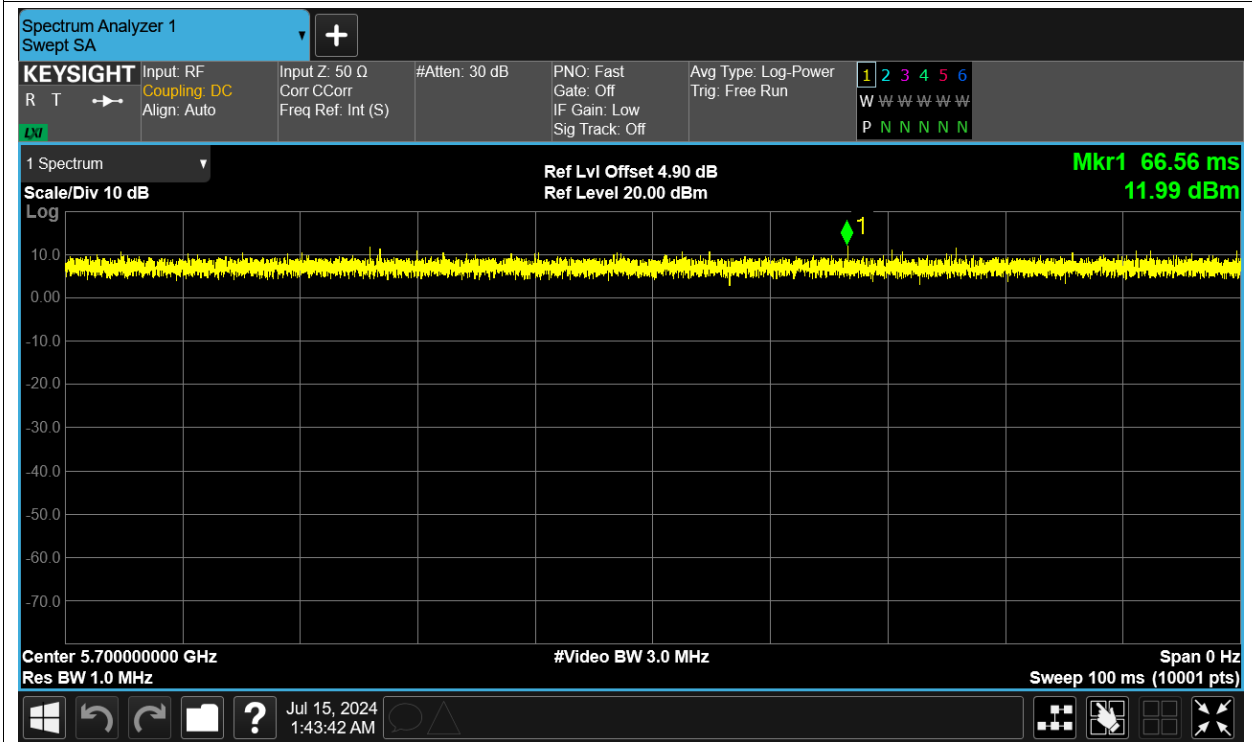
Duty Cycle NVNT n20 5500MHz Ant1



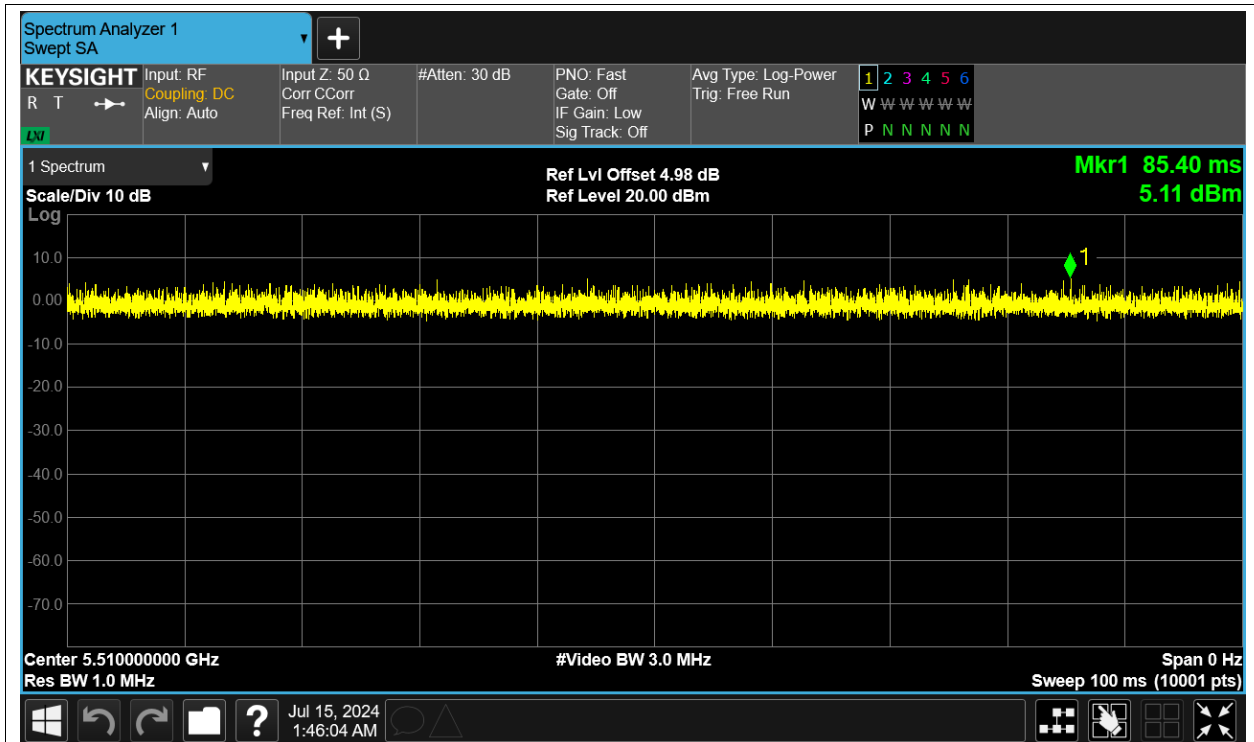
Duty Cycle NVNT n20 5600MHz Ant1



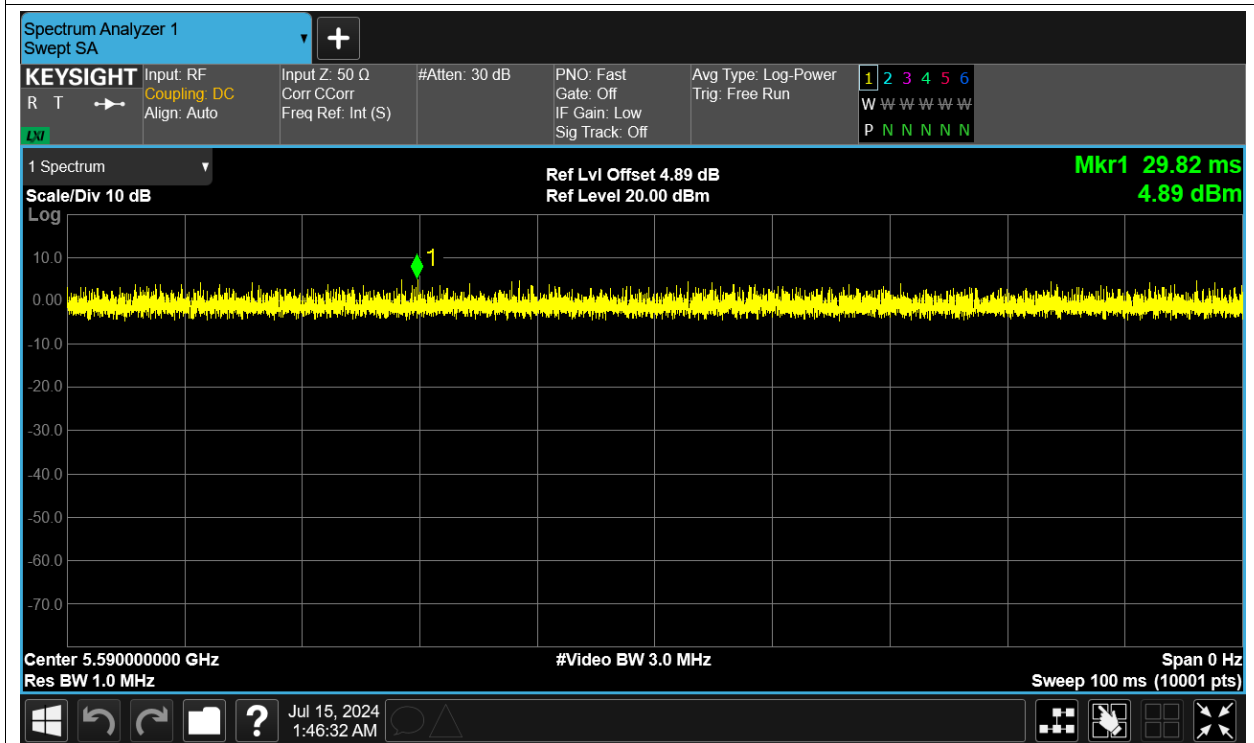
Duty Cycle NVNT n20 5700MHz Ant1



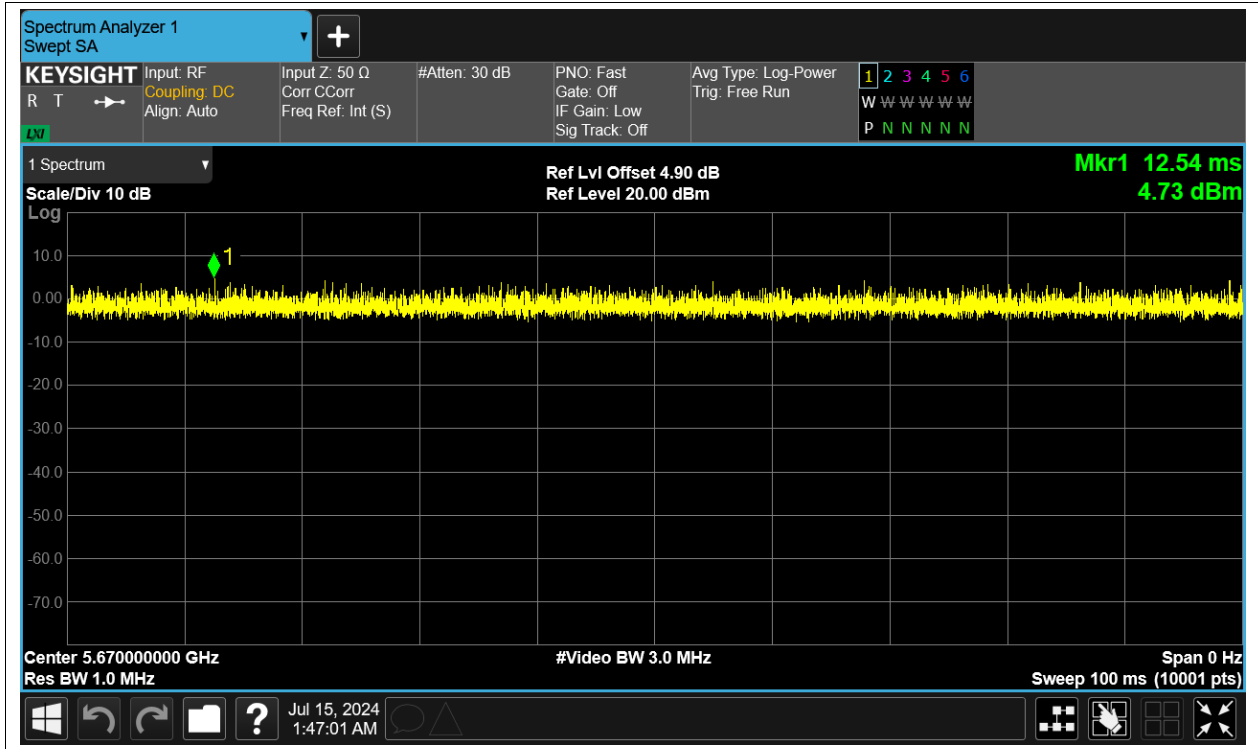
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



Maximum Conducted Output Power

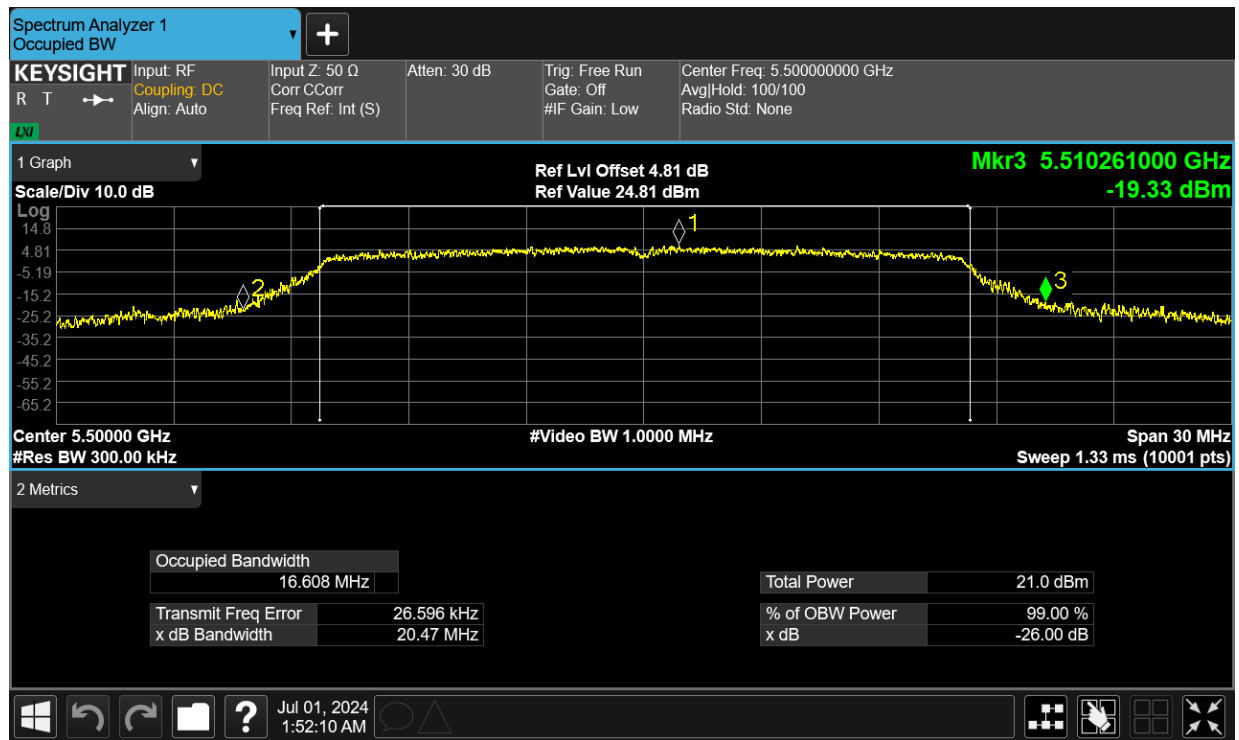
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	13.98	0	13.98	24	Pass
NVNT	a	5600	Ant1	14.41	0	14.41	24	Pass
NVNT	a	5700	Ant1	14.43	0	14.43	24	Pass
NVNT	ac20	5500	Ant1	13.22	0	13.22	24	Pass
NVNT	ac20	5600	Ant1	13.34	0	13.34	24	Pass
NVNT	ac20	5700	Ant1	13.28	0	13.28	24	Pass
NVNT	ac40	5510	Ant1	11.66	0	11.66	24	Pass
NVNT	ac40	5590	Ant1	11.82	0	11.82	24	Pass
NVNT	ac40	5670	Ant1	11.89	0	11.89	24	Pass
NVNT	ac80	5530	Ant1	9.74	0	9.74	24	Pass
NVNT	ac80	5610	Ant1	9.84	0	9.84	24	Pass
NVNT	n20	5500	Ant1	13.12	0	13.12	24	Pass
NVNT	n20	5600	Ant1	13.19	0	13.19	24	Pass
NVNT	n20	5700	Ant1	13.3	0	13.3	24	Pass
NVNT	n40	5510	Ant1	11.65	0	11.65	24	Pass
NVNT	n40	5590	Ant1	11.85	0	11.85	24	Pass
NVNT	n40	5670	Ant1	11.95	0	11.95	24	Pass

-26dB Bandwidth

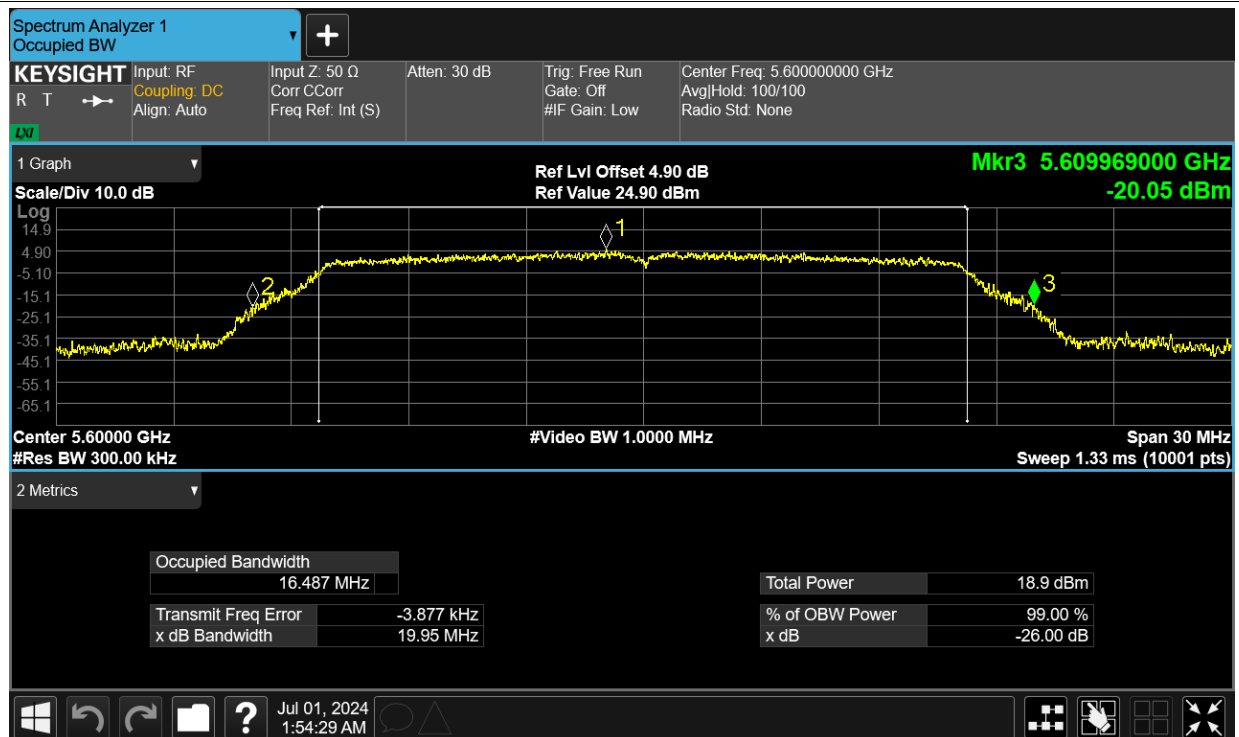
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	20.468
NVNT	a	5600	Ant1	19.946
NVNT	a	5700	Ant1	20.067
NVNT	ac20	5500	Ant1	20.491
NVNT	ac20	5600	Ant1	20.257
NVNT	ac20	5700	Ant1	20.324
NVNT	ac40	5510	Ant1	39.713
NVNT	ac40	5590	Ant1	39.808
NVNT	ac40	5670	Ant1	39.777
NVNT	ac80	5530	Ant1	79.302
NVNT	ac80	5610	Ant1	79.379
NVNT	n20	5500	Ant1	20.068
NVNT	n20	5600	Ant1	20.269
NVNT	n20	5700	Ant1	20.544
NVNT	n40	5510	Ant1	39.777
NVNT	n40	5590	Ant1	39.91
NVNT	n40	5670	Ant1	40.191

Test Graphs

-26dB Bandwidth NVNT a 5500MHz Ant1



-26dB Bandwidth NVNT a 5600MHz Ant1



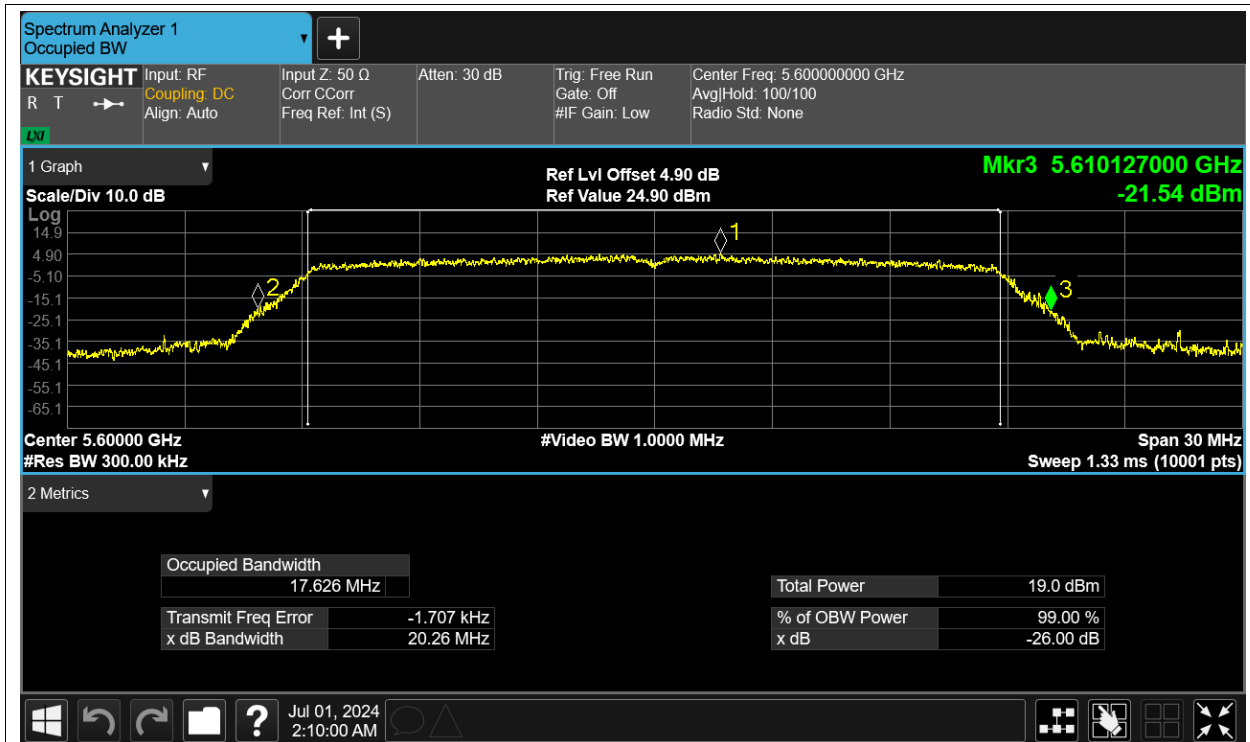
-26dB Bandwidth NVNT a 5700MHz Ant1



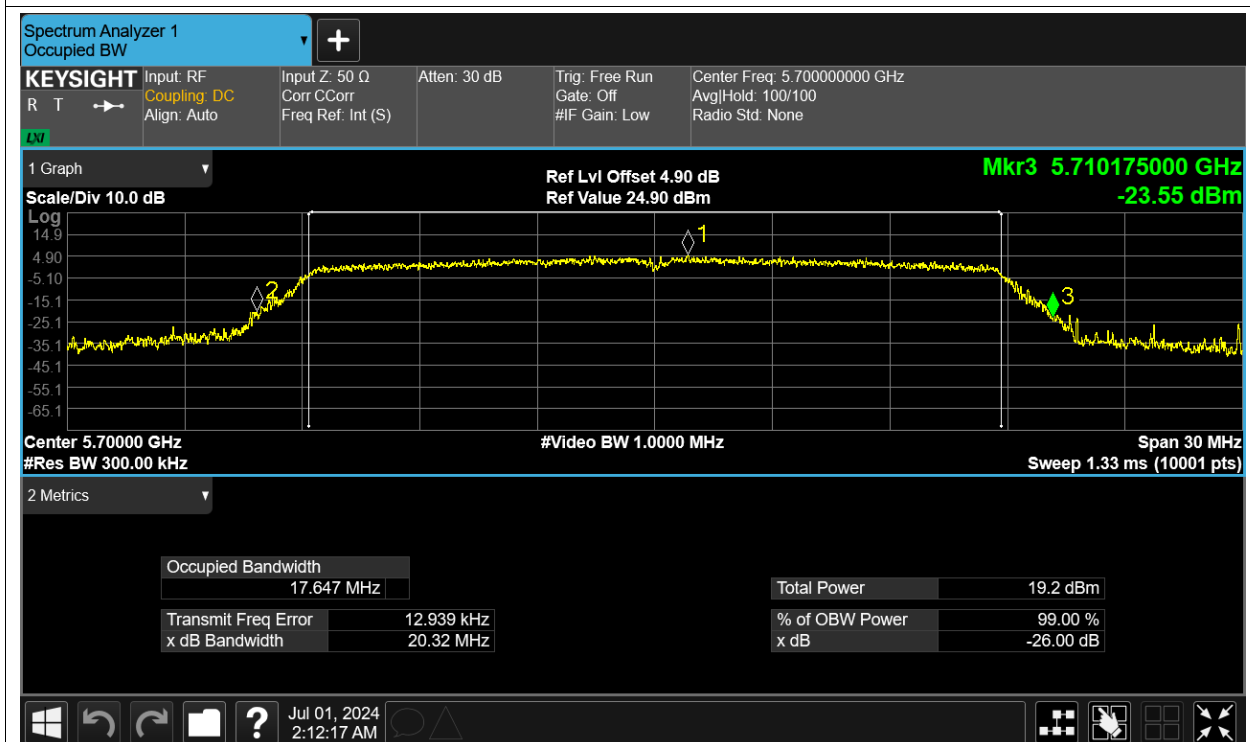
-26dB Bandwidth NVNT ac20 5500MHz Ant1



-26dB Bandwidth NVNT ac20 5600MHz Ant1



-26dB Bandwidth NVNT ac20 5700MHz Ant1



-26dB Bandwidth NVNT ac40 5510MHz Ant1



-26dB Bandwidth NVNT ac40 5590MHz Ant1



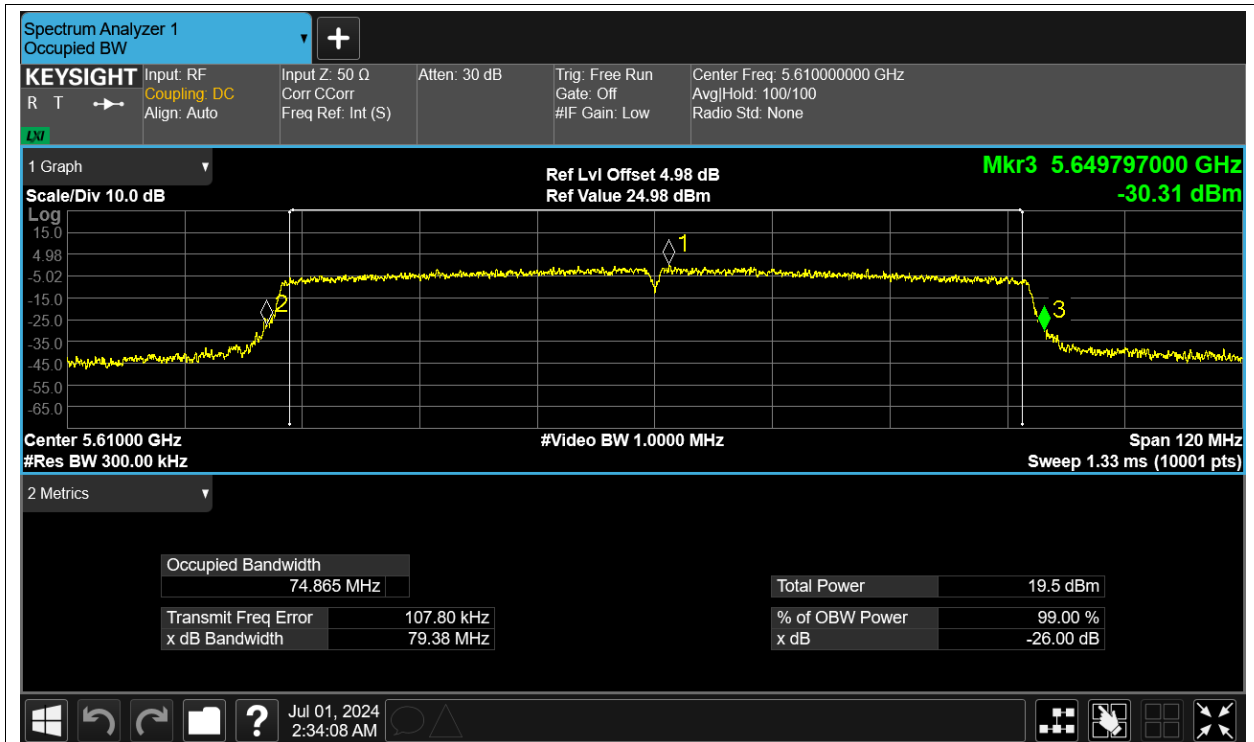
-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1



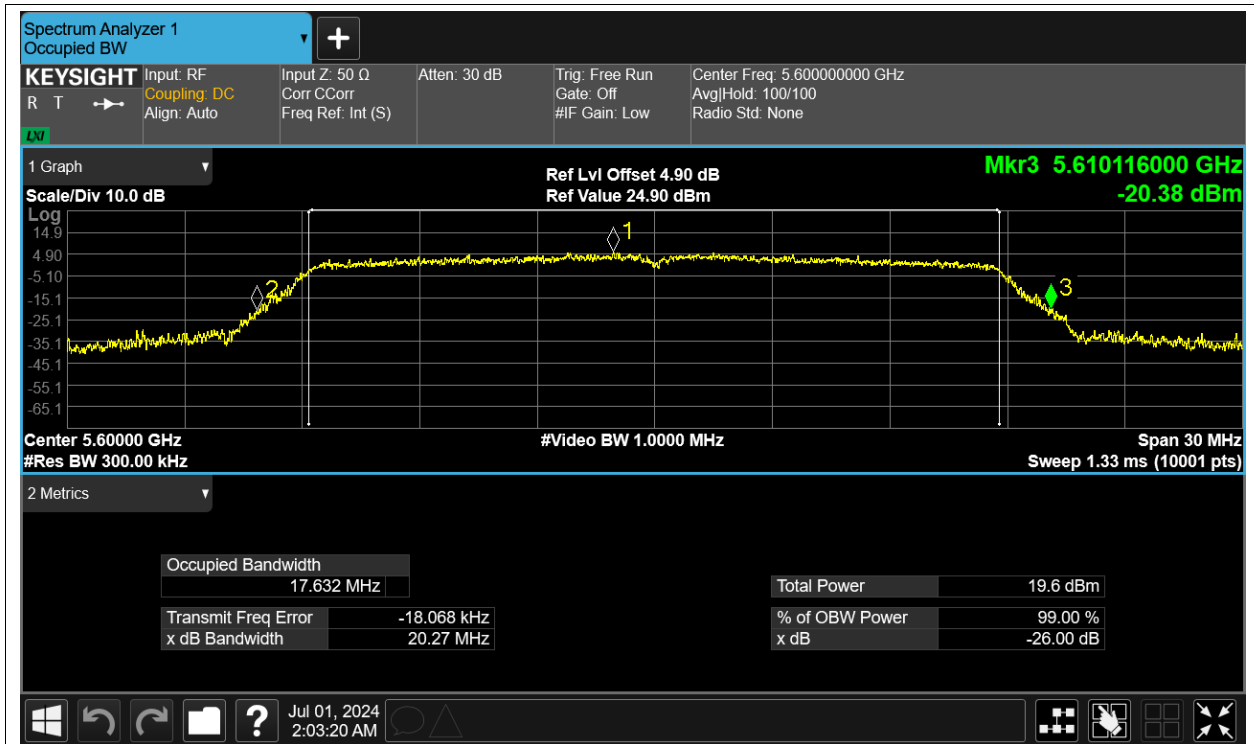
-26dB Bandwidth NVNT ac80 5610MHz Ant1



-26dB Bandwidth NVNT n20 5500MHz Ant1



-26dB Bandwidth NVNT n20 5600MHz Ant1



-26dB Bandwidth NVNT n20 5700MHz Ant1



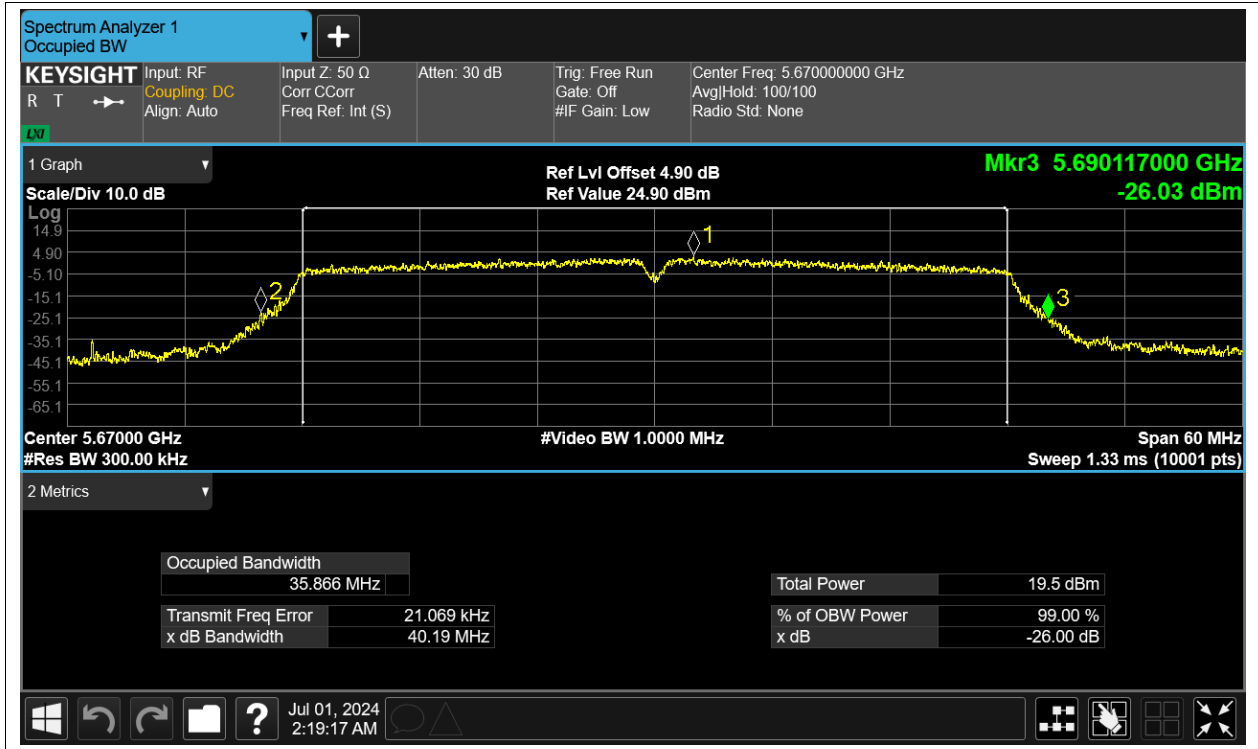
-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant1

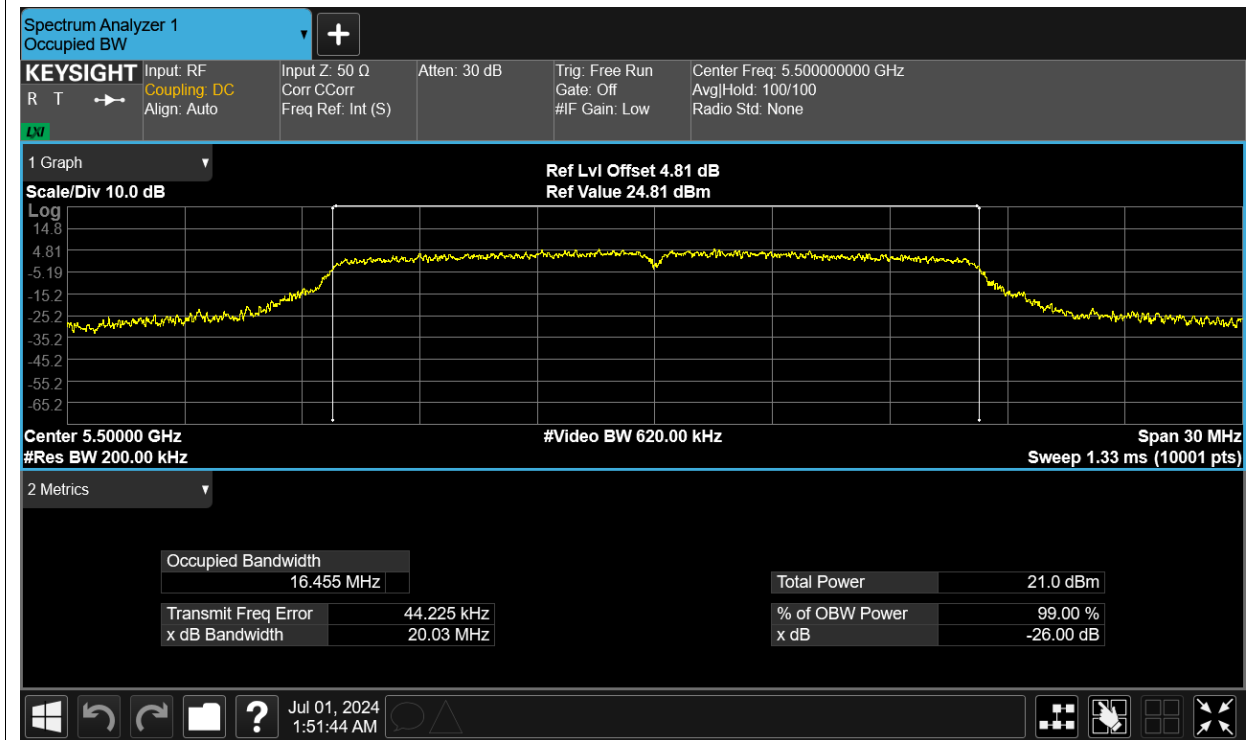


Occupied Channel Bandwidth

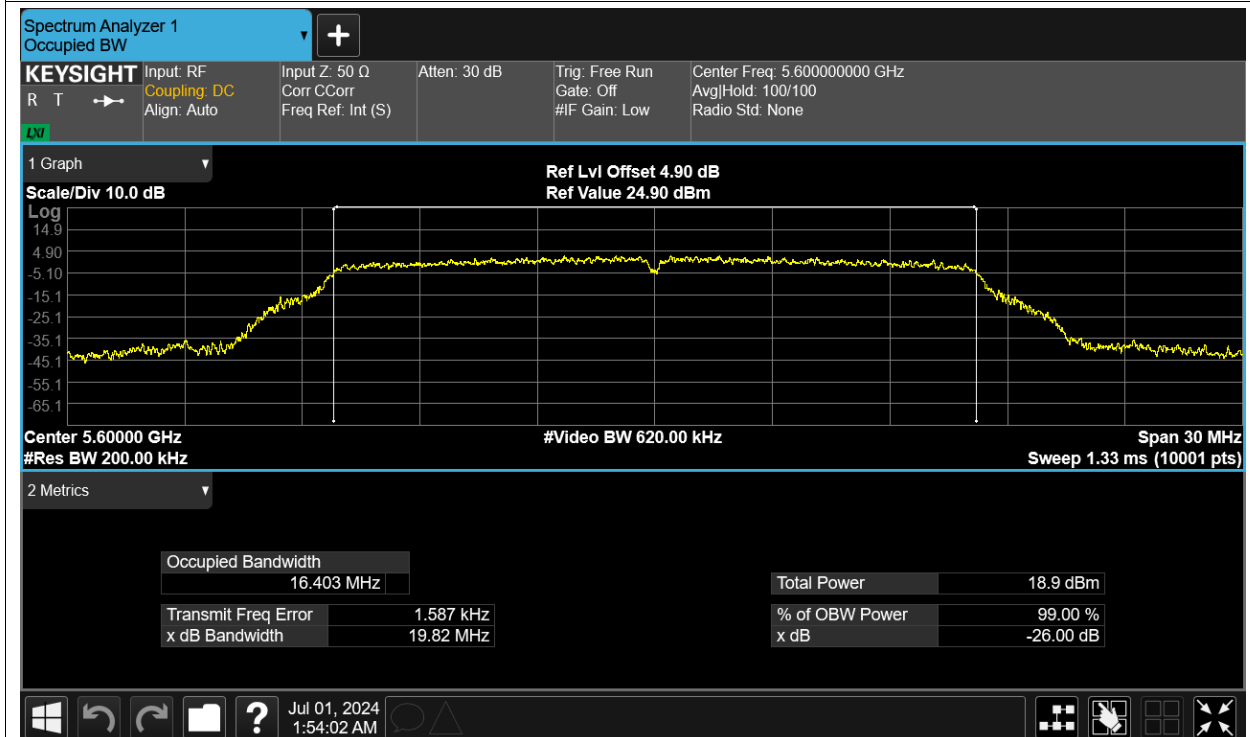
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.455
NVNT	a	5600	Ant1	16.403
NVNT	a	5700	Ant1	16.38
NVNT	ac20	5500	Ant1	17.533
NVNT	ac20	5600	Ant1	17.55
NVNT	ac20	5700	Ant1	17.536
NVNT	ac40	5510	Ant1	35.853
NVNT	ac40	5590	Ant1	35.931
NVNT	ac40	5670	Ant1	35.992
NVNT	ac80	5530	Ant1	75.046
NVNT	ac80	5610	Ant1	74.969
NVNT	n20	5500	Ant1	17.586
NVNT	n20	5600	Ant1	17.558
NVNT	n20	5700	Ant1	17.53
NVNT	n40	5510	Ant1	35.917
NVNT	n40	5590	Ant1	35.852
NVNT	n40	5670	Ant1	35.959

Test Graphs

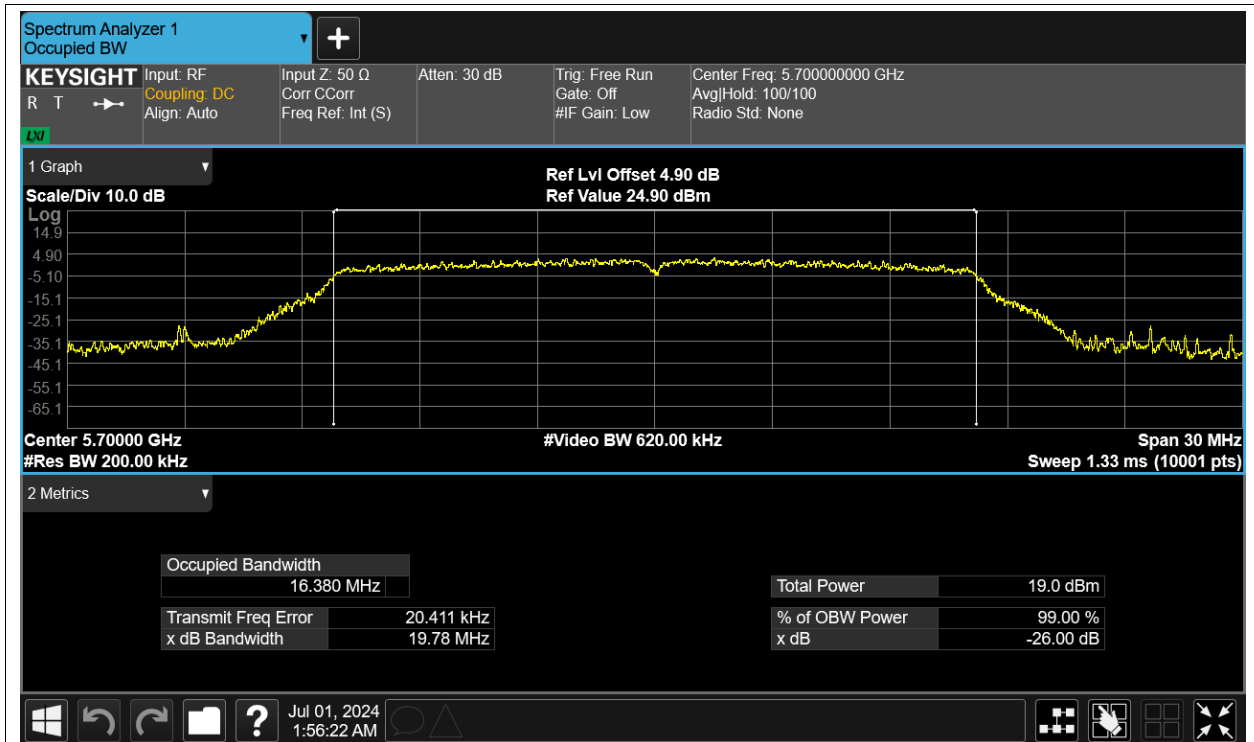
OBW NVNT a 5500MHz Ant1



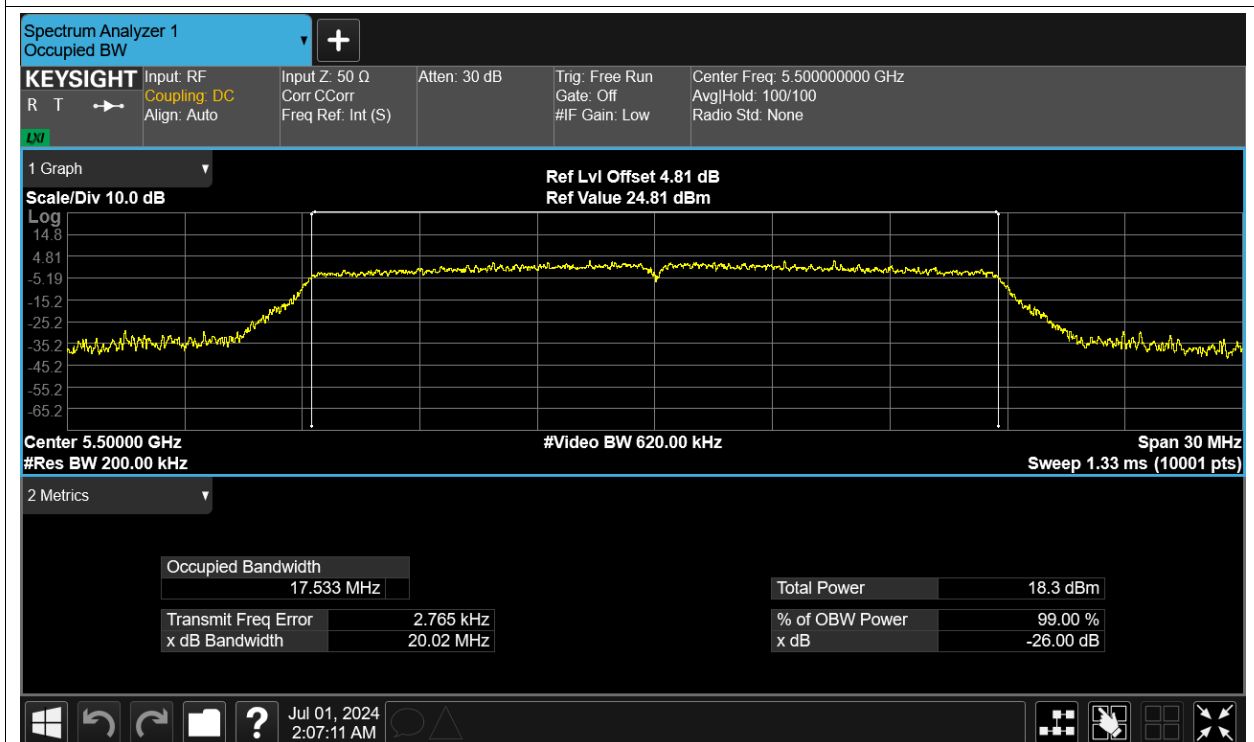
OBW NVNT a 5600MHz Ant1



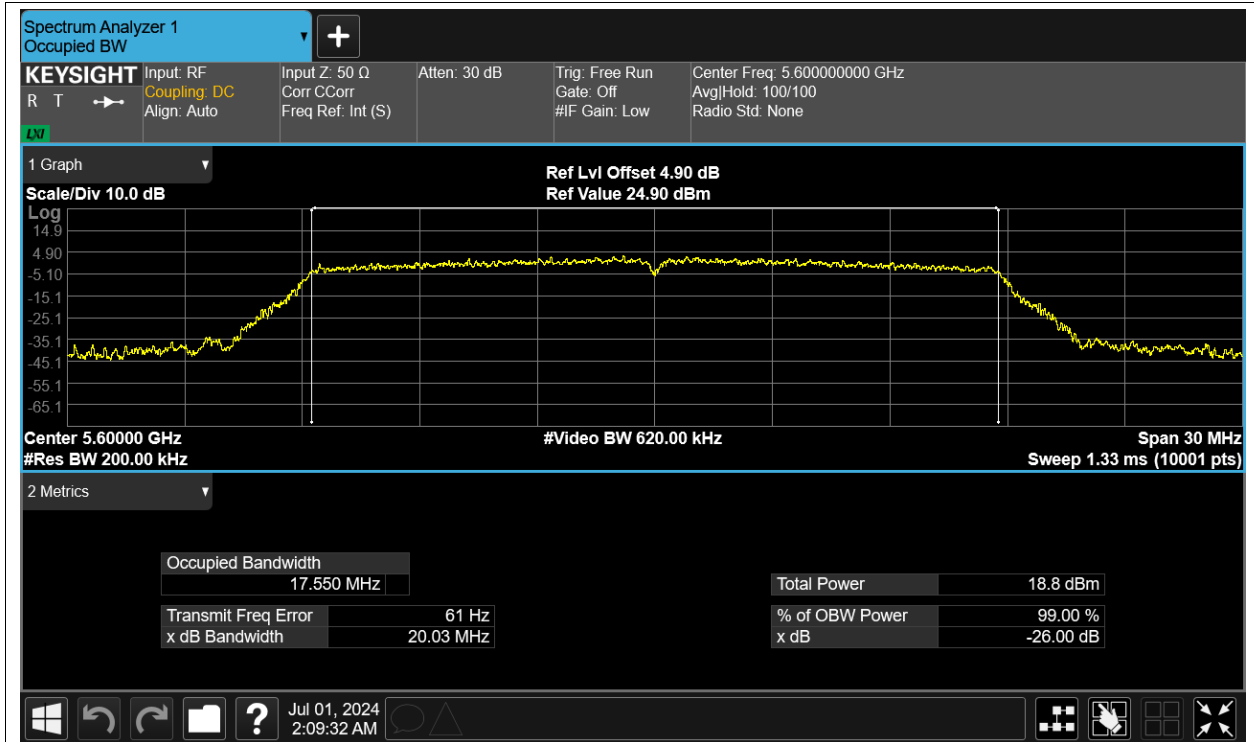
OBW NVNT a 5700MHz Ant1



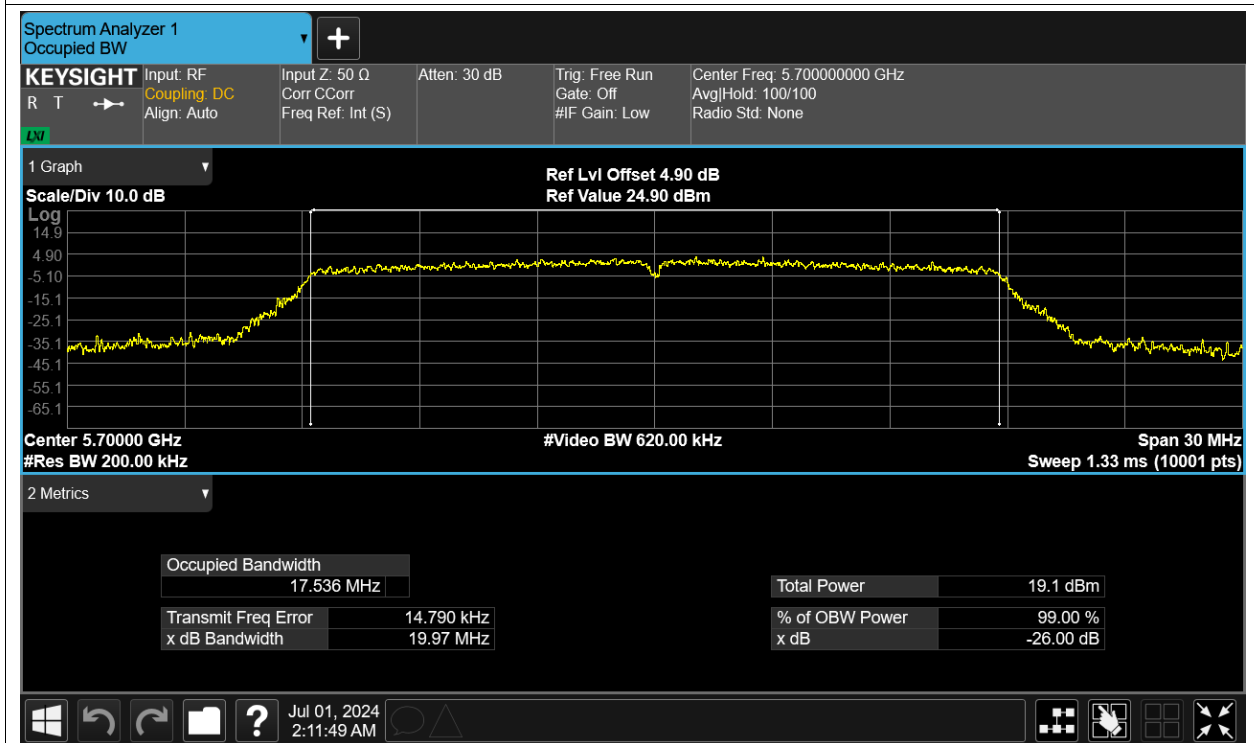
OBW NVNT ac20 5500MHz Ant1



OBW NVNT ac20 5600MHz Ant1



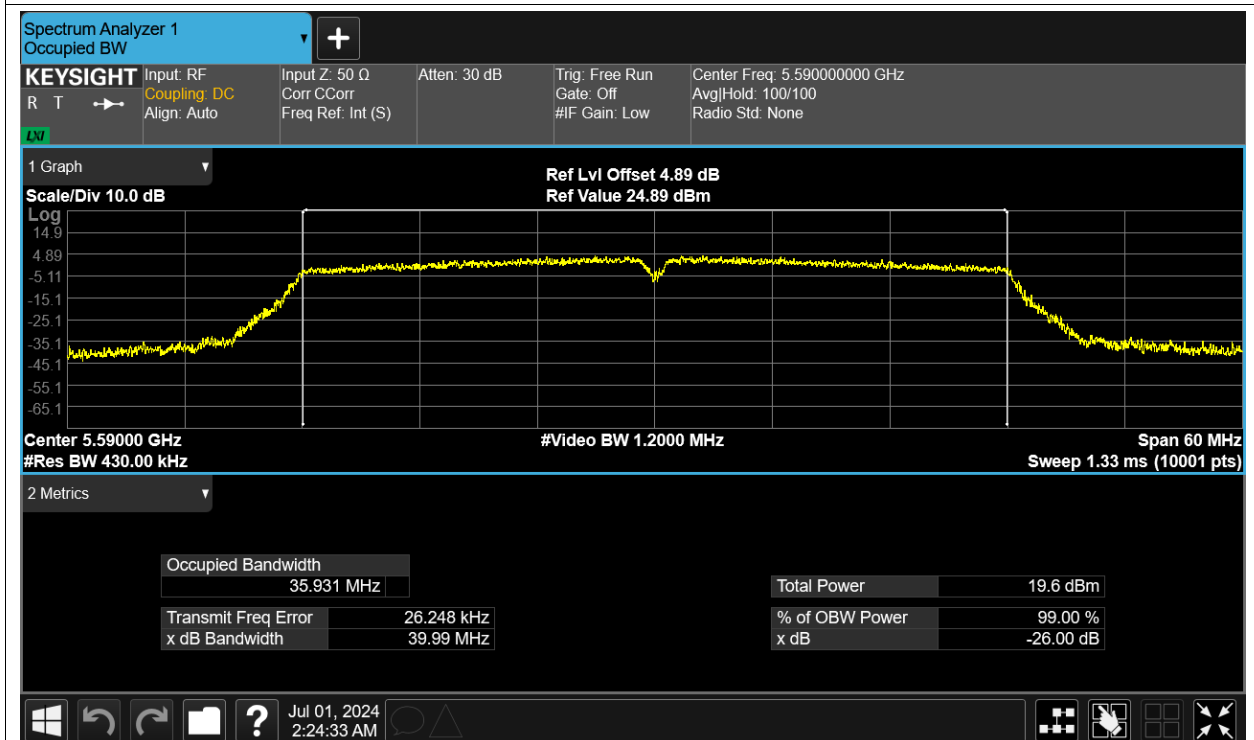
OBW NVNT ac20 5700MHz Ant1



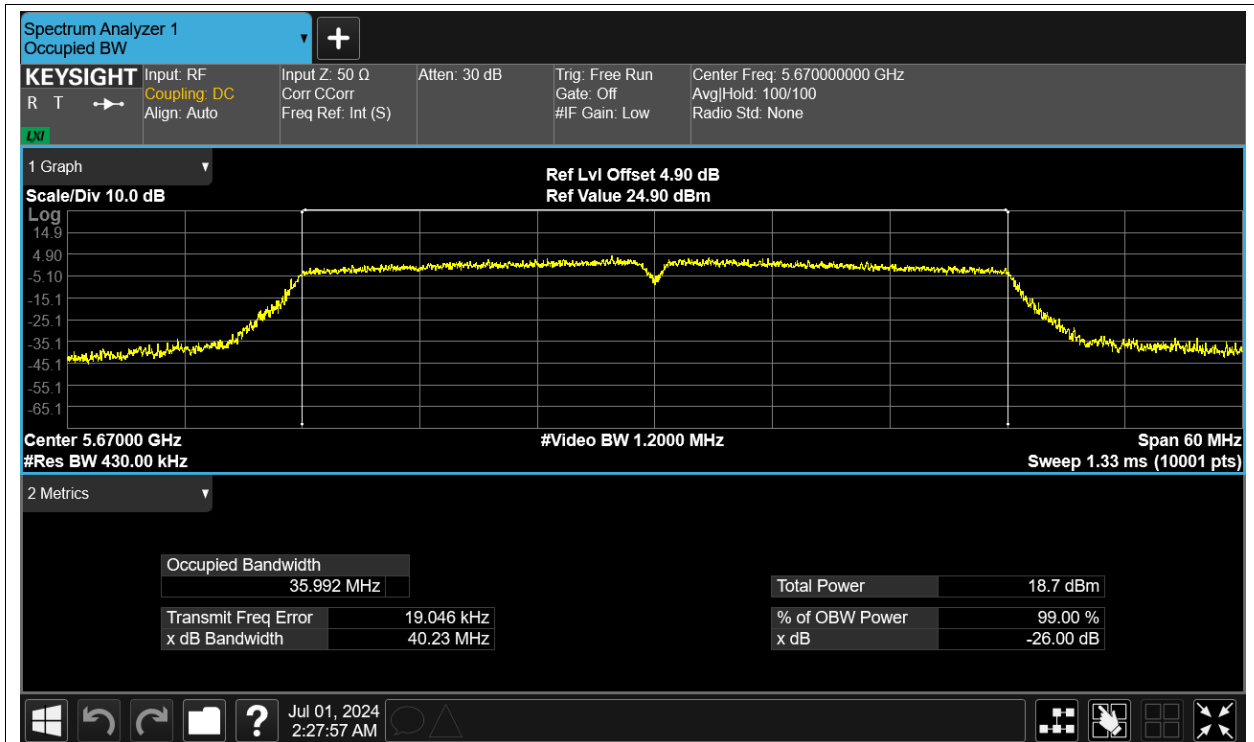
OBW NVNT ac40 5510MHz Ant1



OBW NVNT ac40 5590MHz Ant1



OBW NVNT ac40 5670MHz Ant1



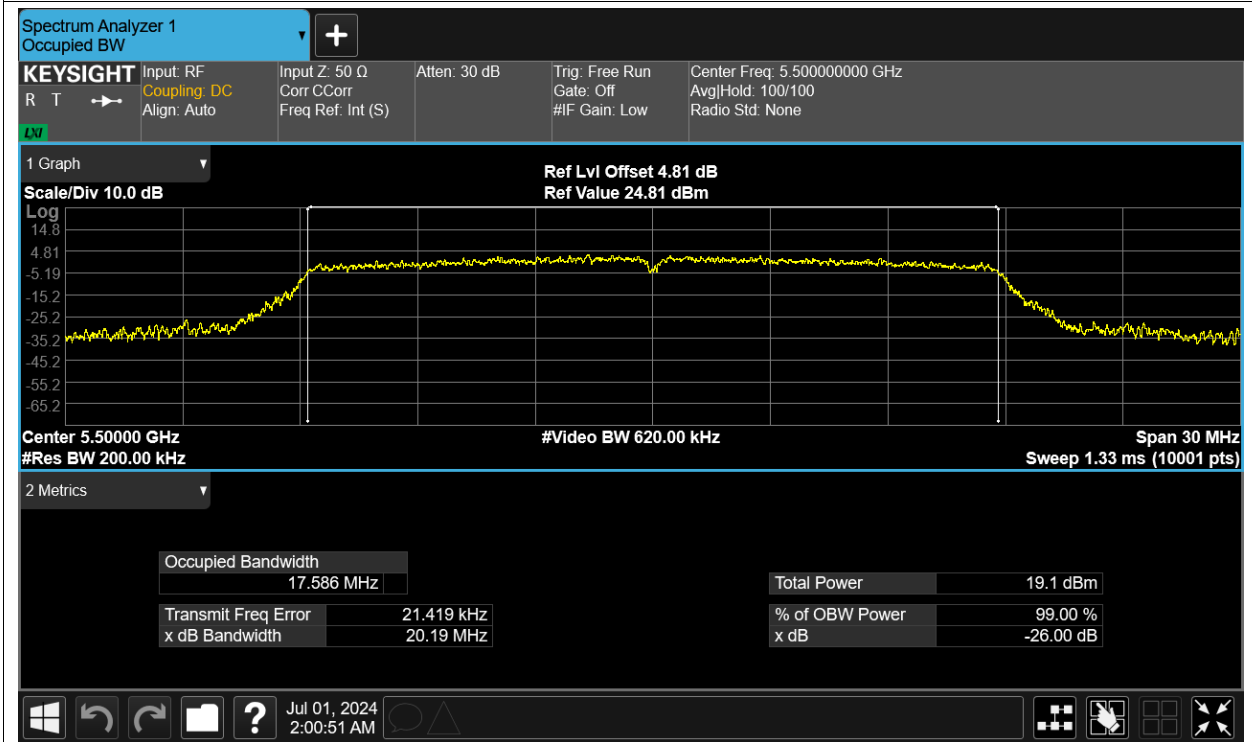
OBW NVNT ac80 5530MHz Ant1



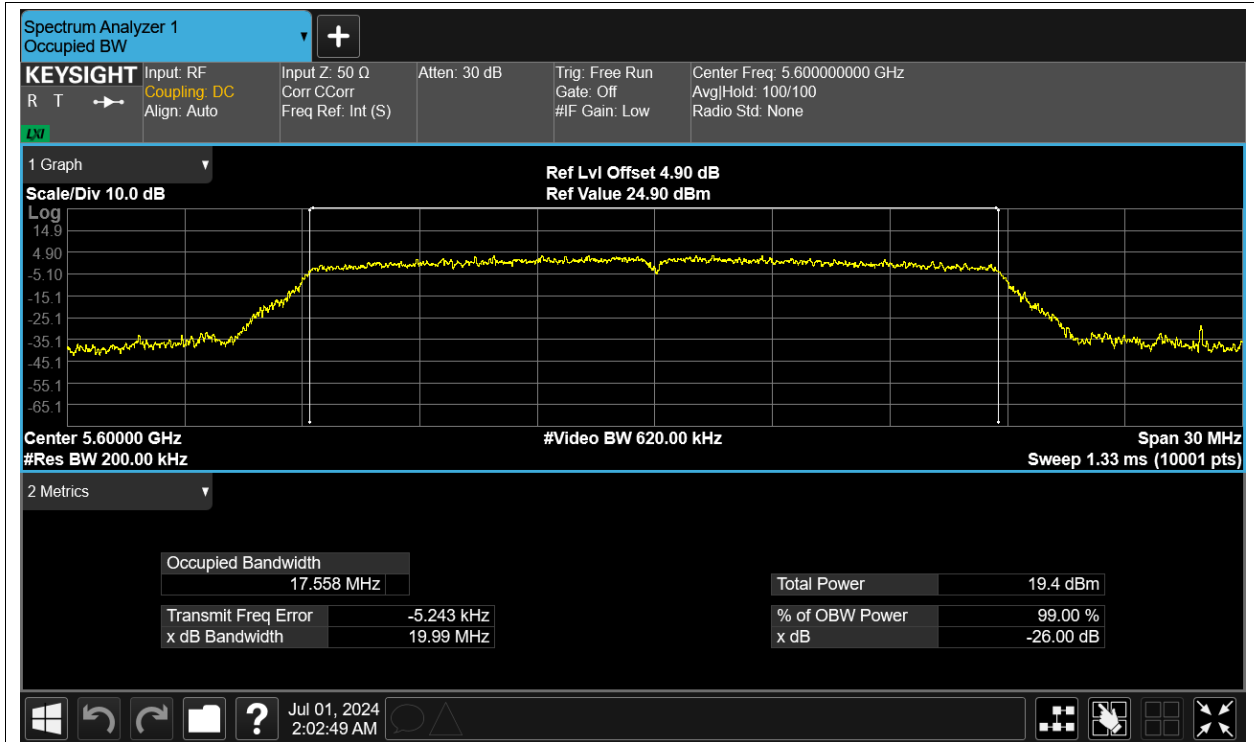
OBW NVNT ac80 5610MHz Ant1



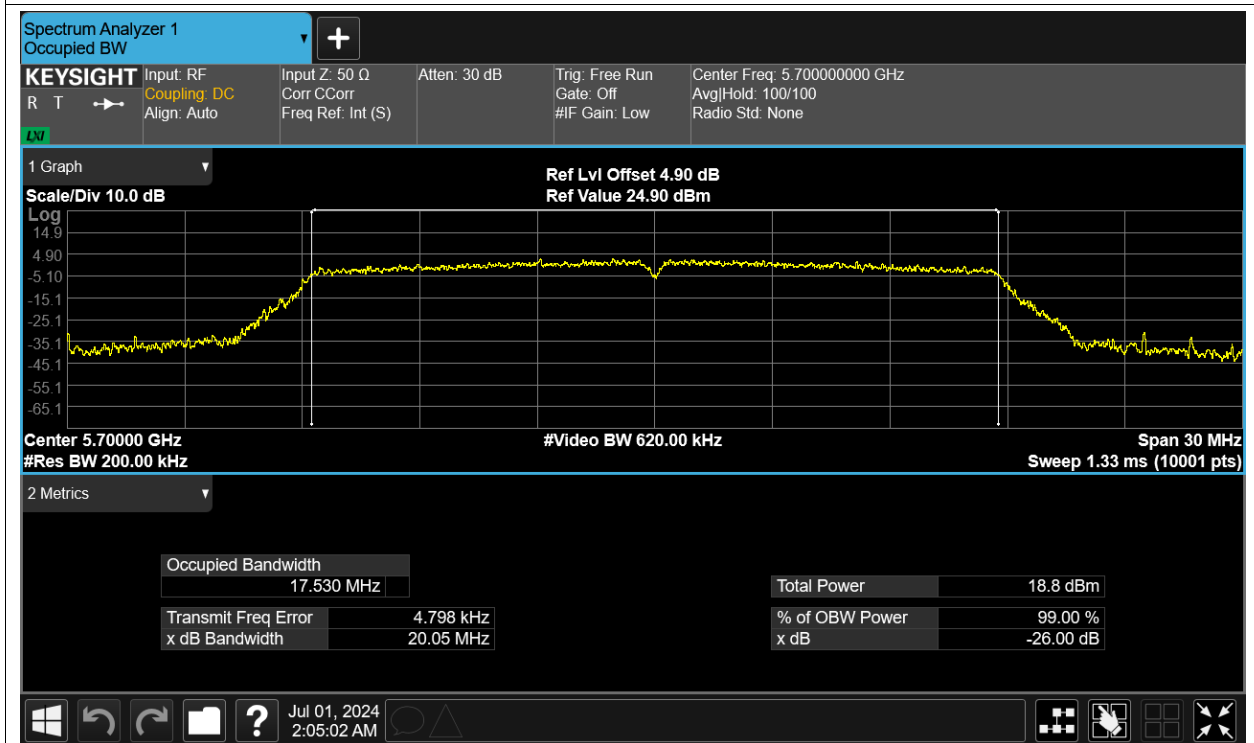
OBW NVNT n20 5500MHz Ant1



OBW NVNT n20 5600MHz Ant1



OBW NVNT n20 5700MHz Ant1



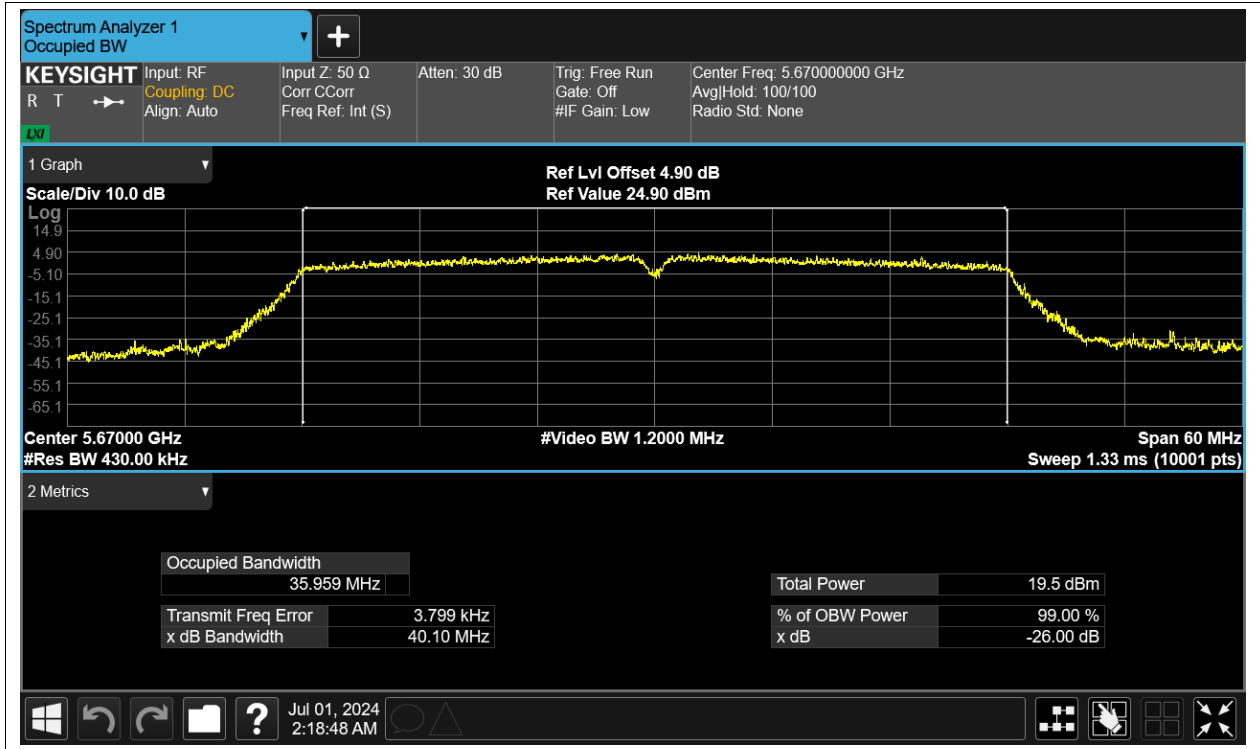
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1

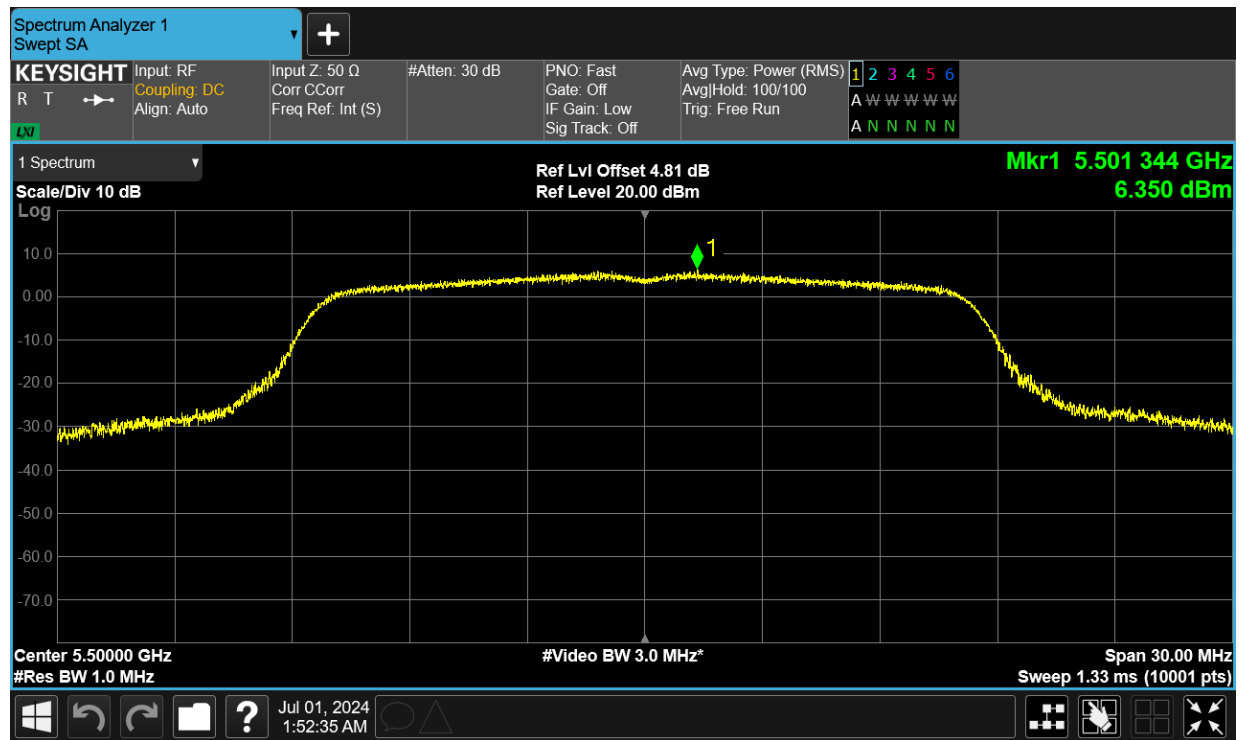


Maximum Power Spectral Density Level

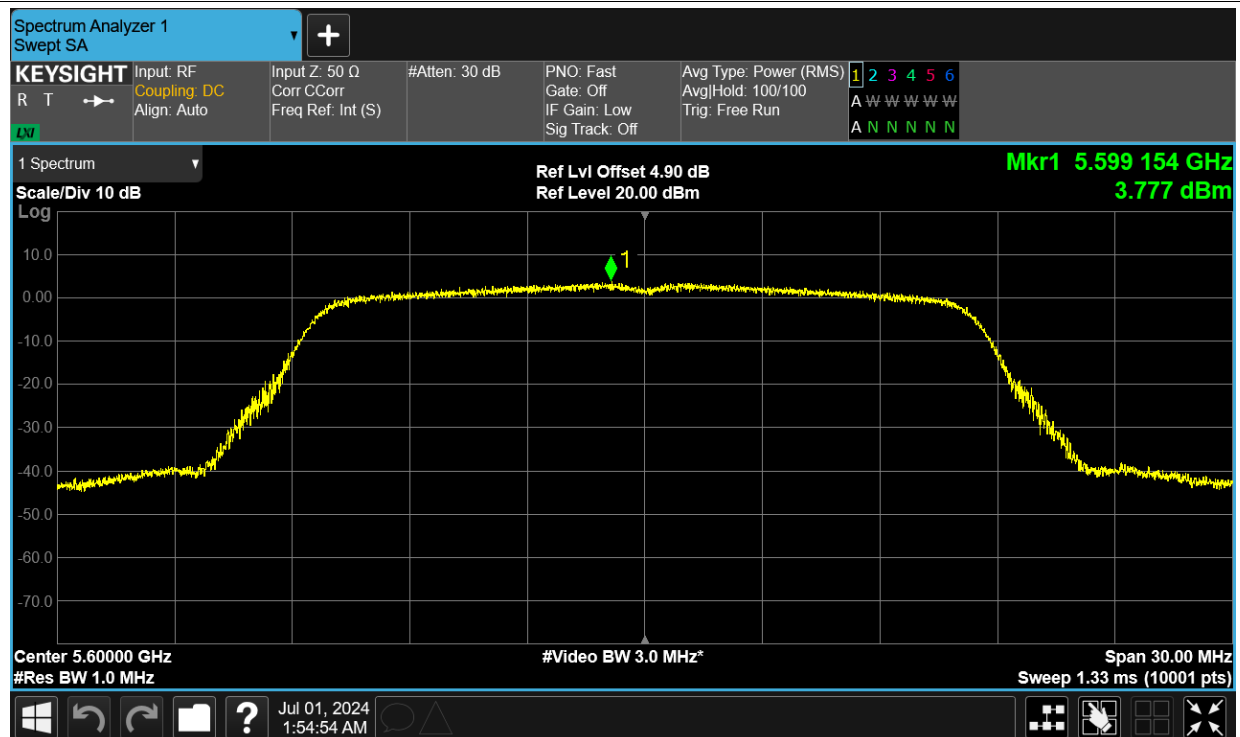
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	6.35	11	Pass
NVNT	a	5600	Ant1	3.777	11	Pass
NVNT	a	5700	Ant1	4.051	11	Pass
NVNT	ac20	5500	Ant1	3.109	11	Pass
NVNT	ac20	5600	Ant1	3.619	11	Pass
NVNT	ac20	5700	Ant1	3.903	11	Pass
NVNT	ac40	5510	Ant1	0.989	11	Pass
NVNT	ac40	5590	Ant1	-3.951	11	Pass
NVNT	ac40	5670	Ant1	0.277	11	Pass
NVNT	ac80	5530	Ant1	-3.103	11	Pass
NVNT	ac80	5610	Ant1	-2.173	11	Pass
NVNT	n20	5500	Ant1	4.153	11	Pass
NVNT	n20	5600	Ant1	4.442	11	Pass
NVNT	n20	5700	Ant1	3.638	11	Pass
NVNT	n40	5510	Ant1	0.251	11	Pass
NVNT	n40	5590	Ant1	1.053	11	Pass
NVNT	n40	5667	Ant1	1.116	11	Pass

Test Graphs

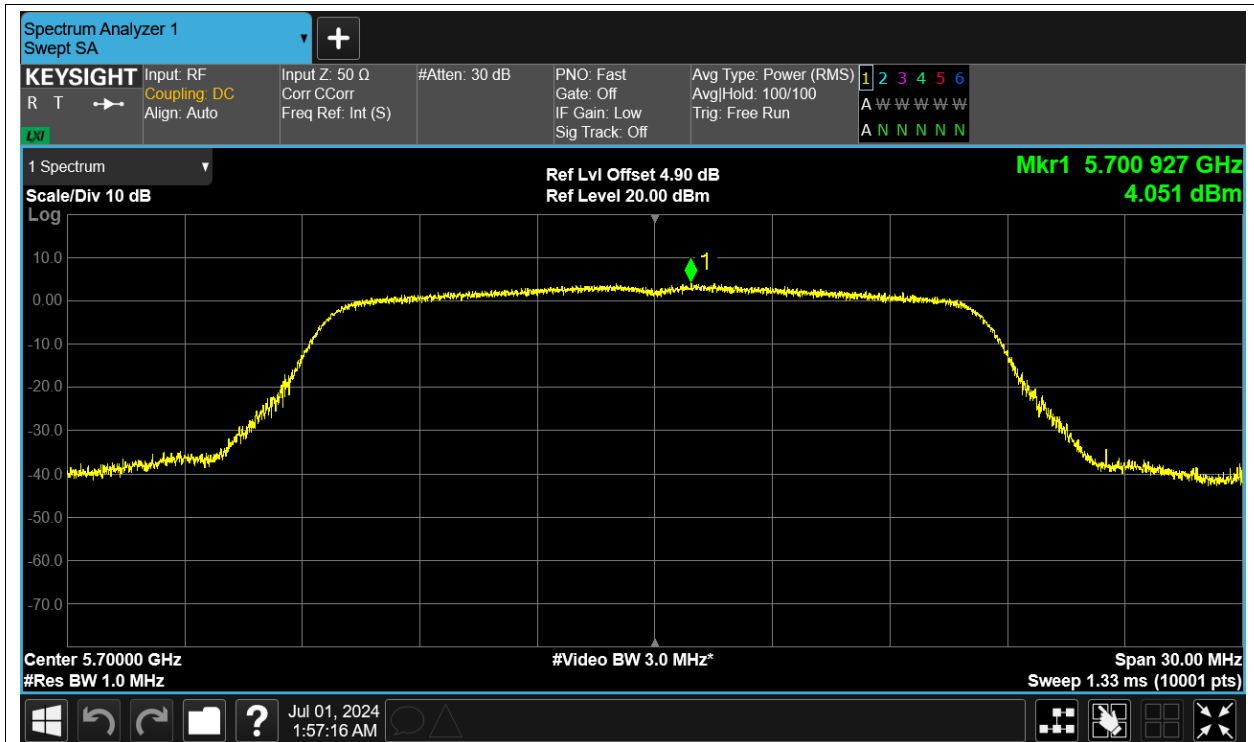
PSD NVNT a 5500MHz Ant1



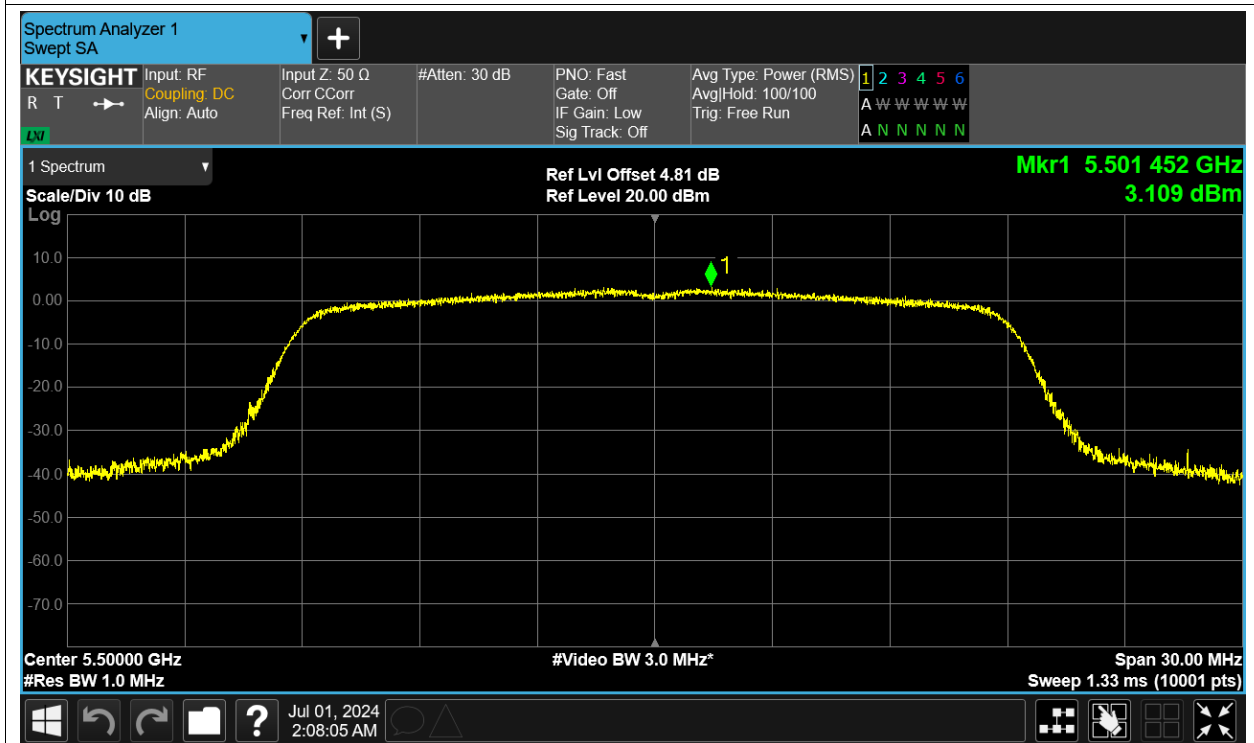
PSD NVNT a 5600MHz Ant1



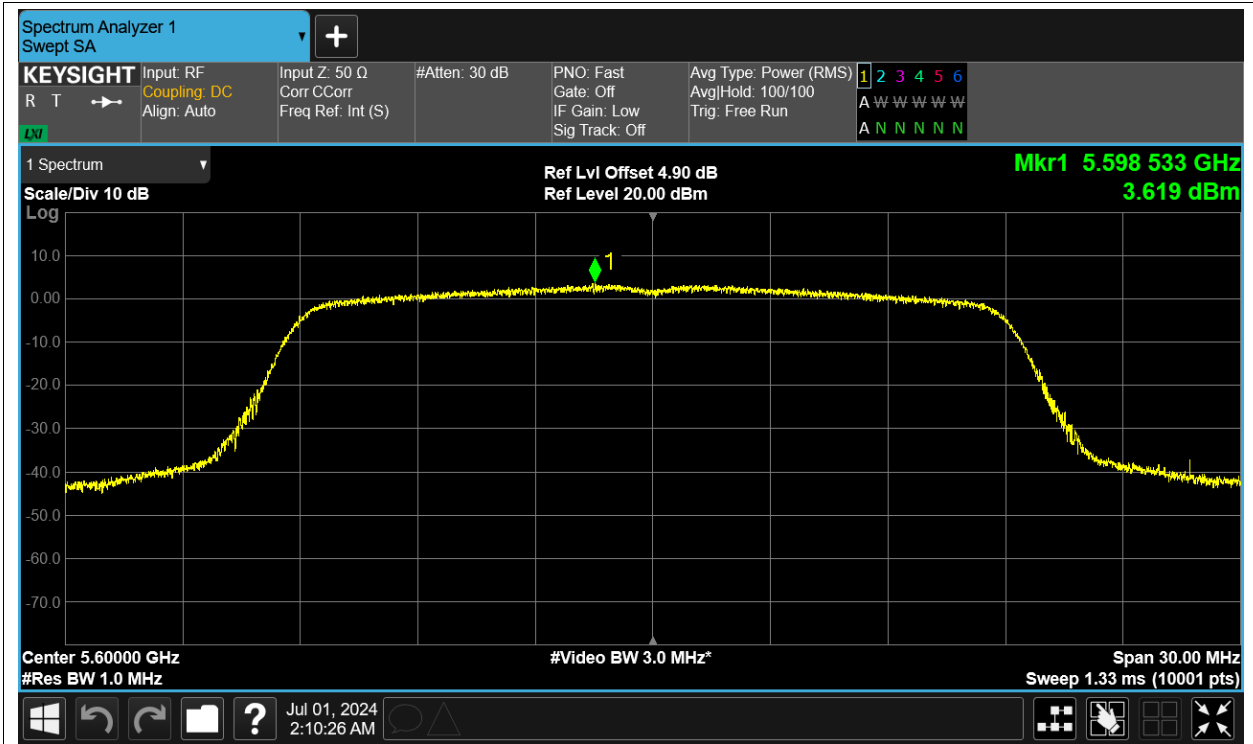
PSD NVNT a 5700MHz Ant1



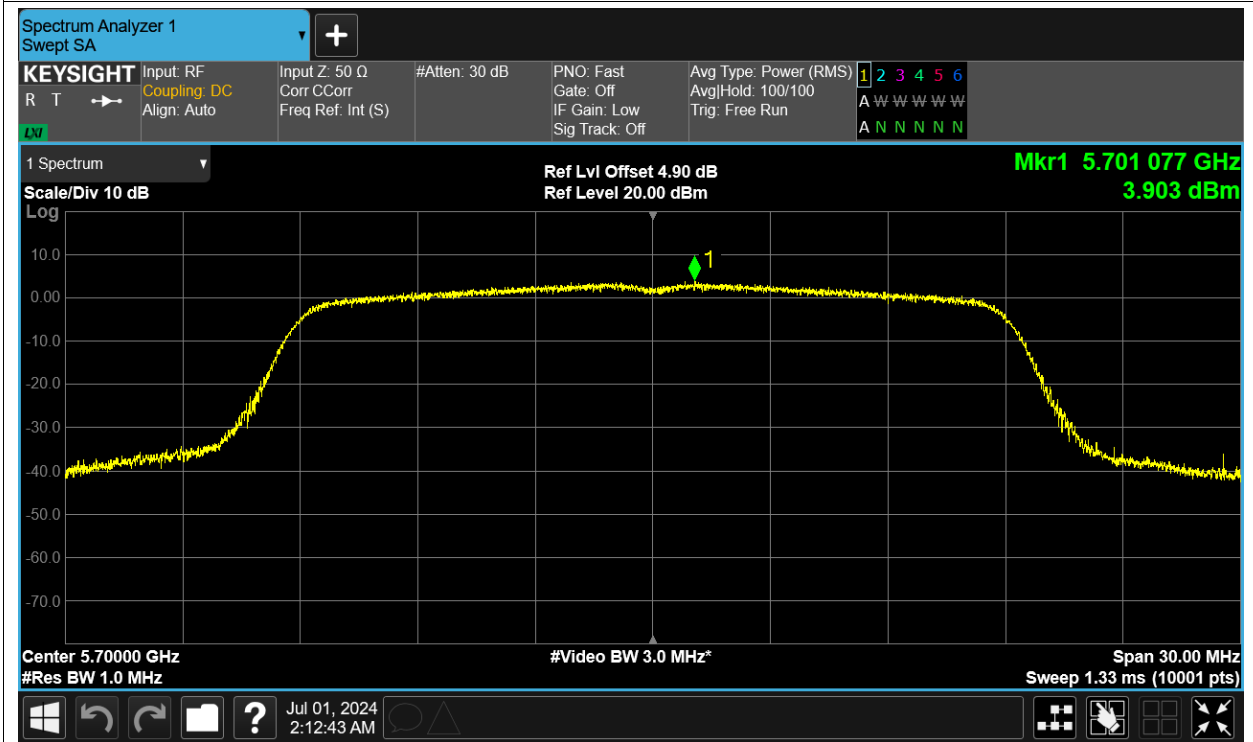
PSD NVNT ac20 5500MHz Ant1



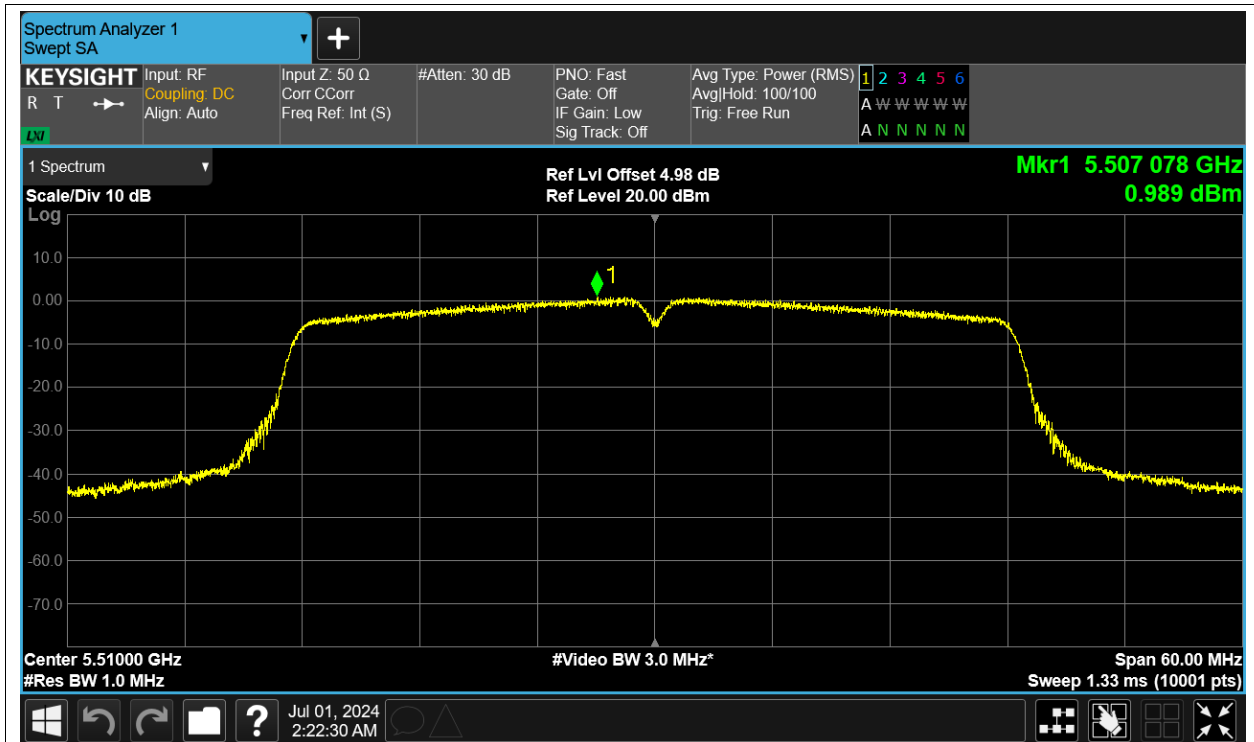
PSD NVNT ac20 5600MHz Ant1



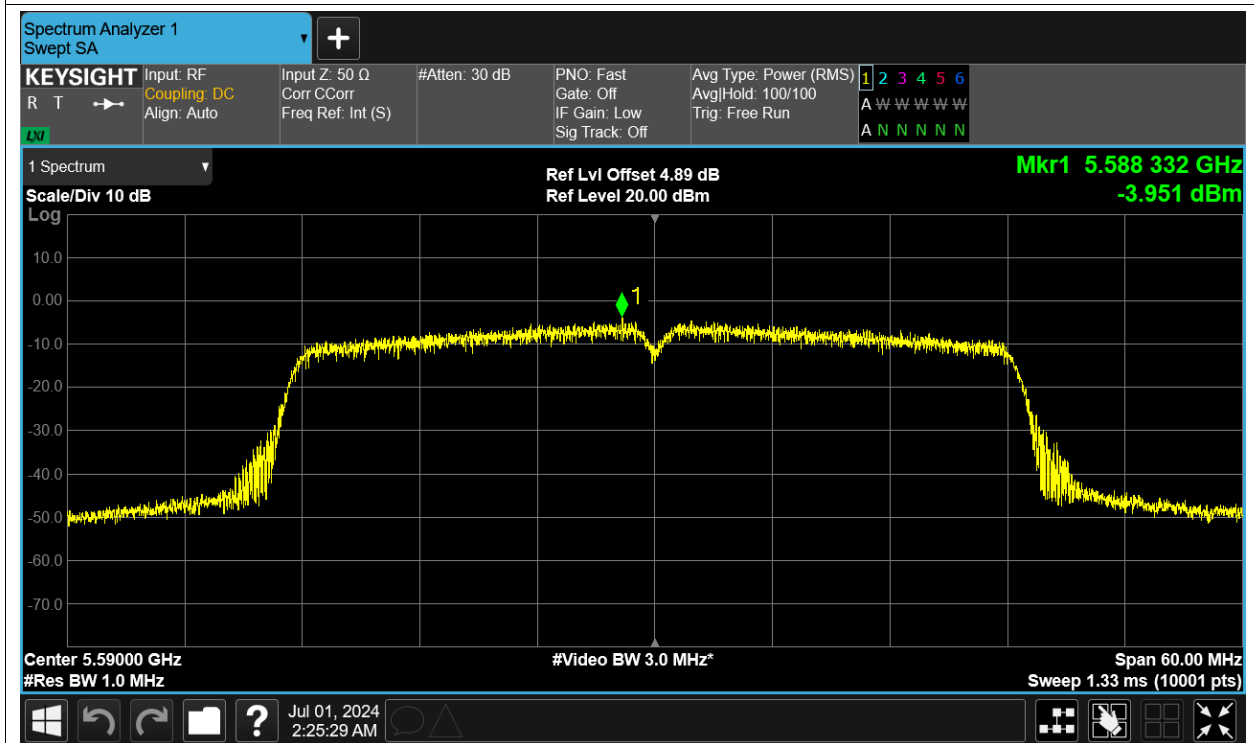
PSD NVNT ac20 5700MHz Ant1



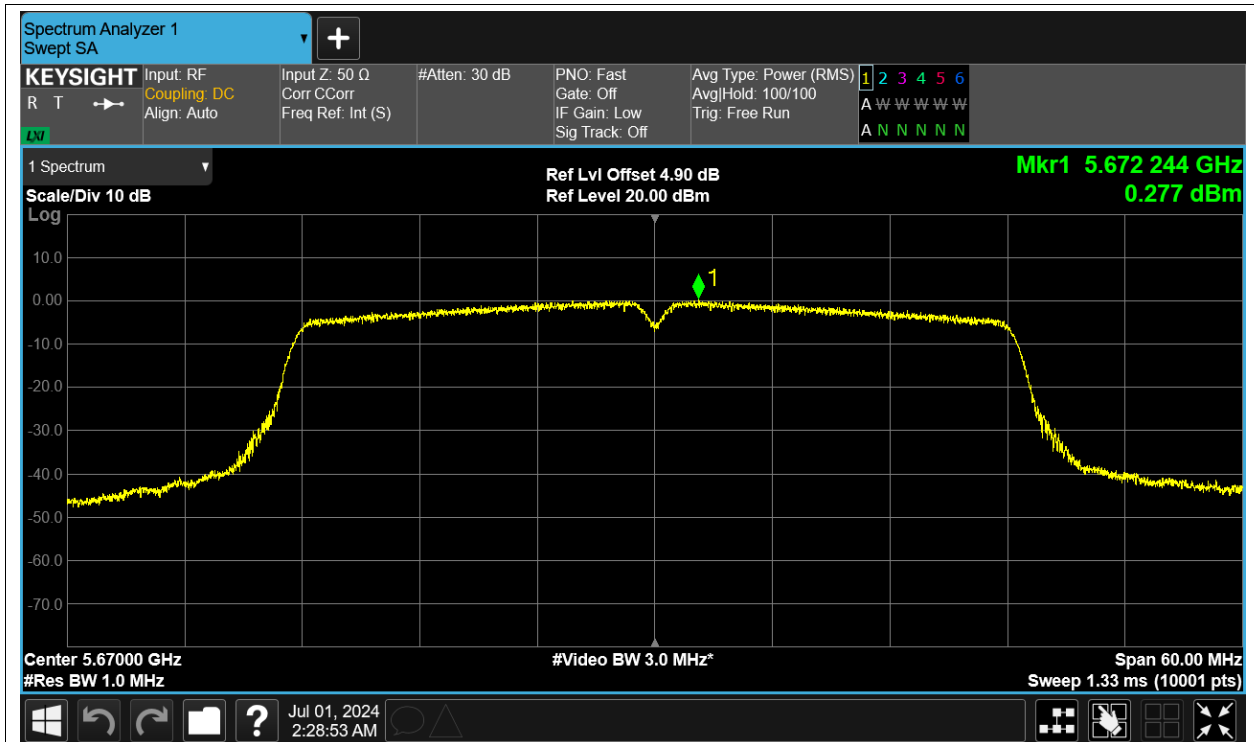
PSD NVNT ac40 5510MHz Ant1



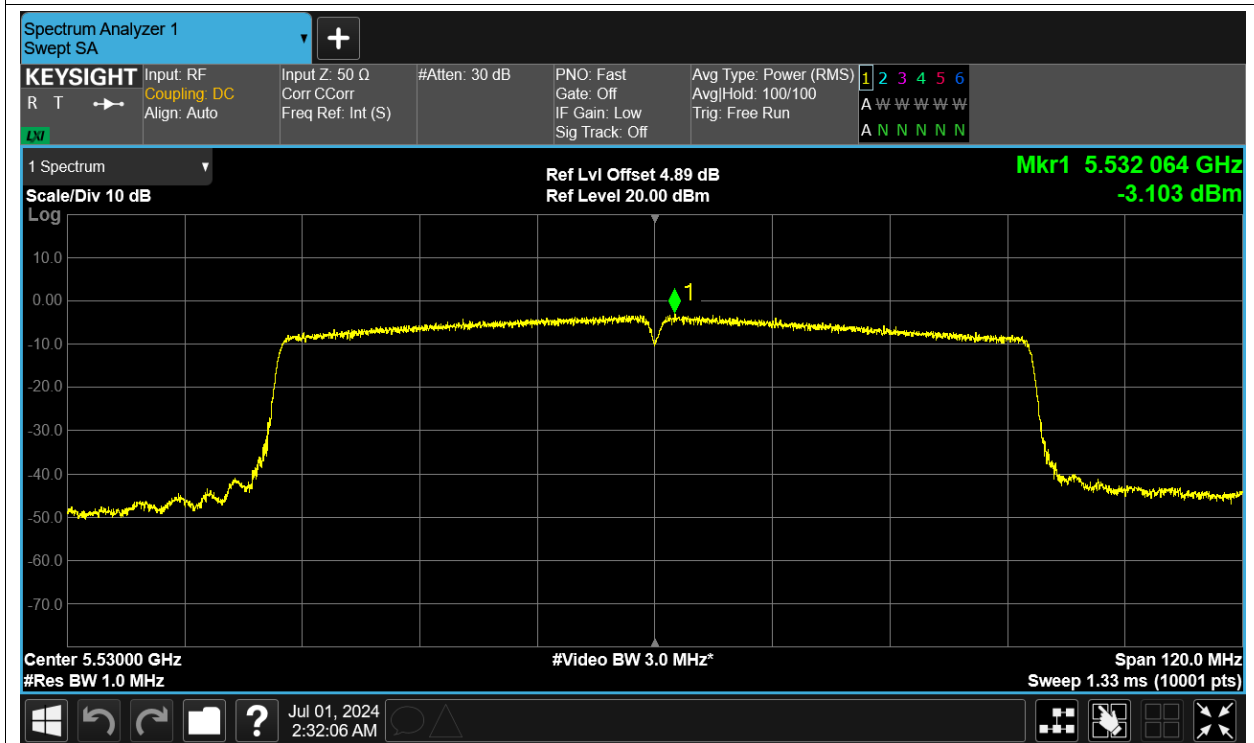
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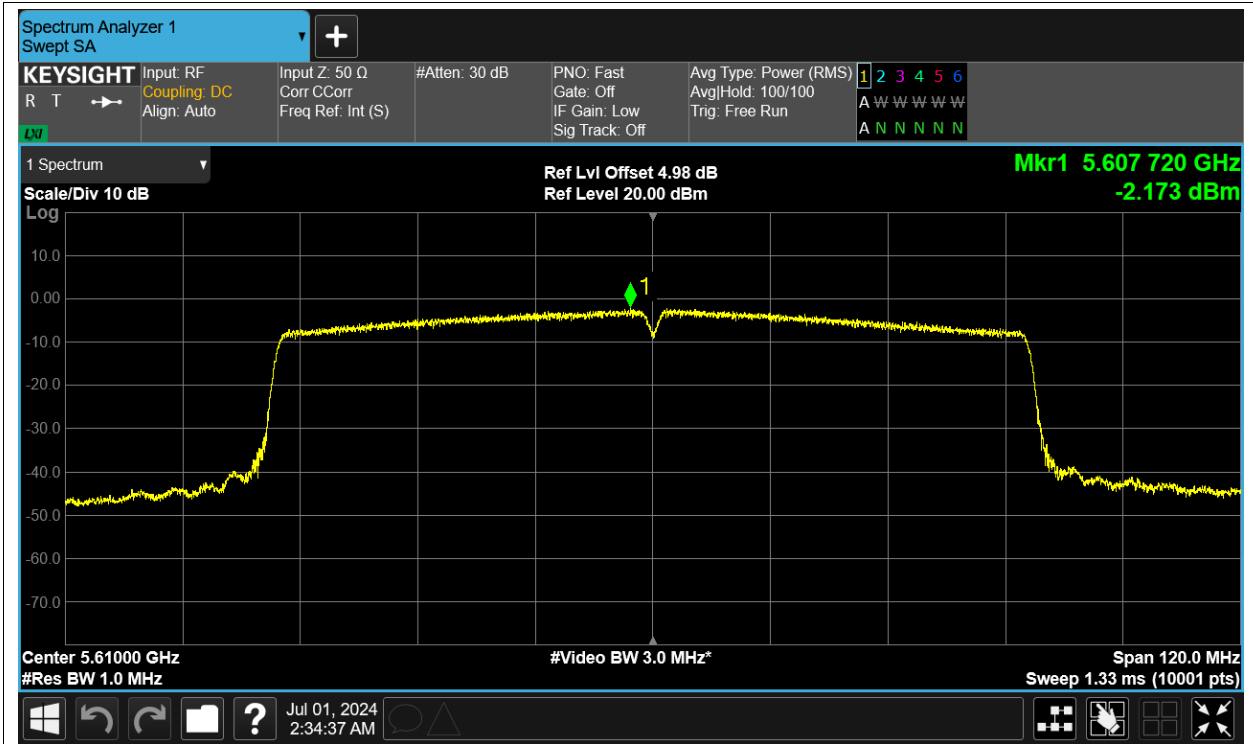
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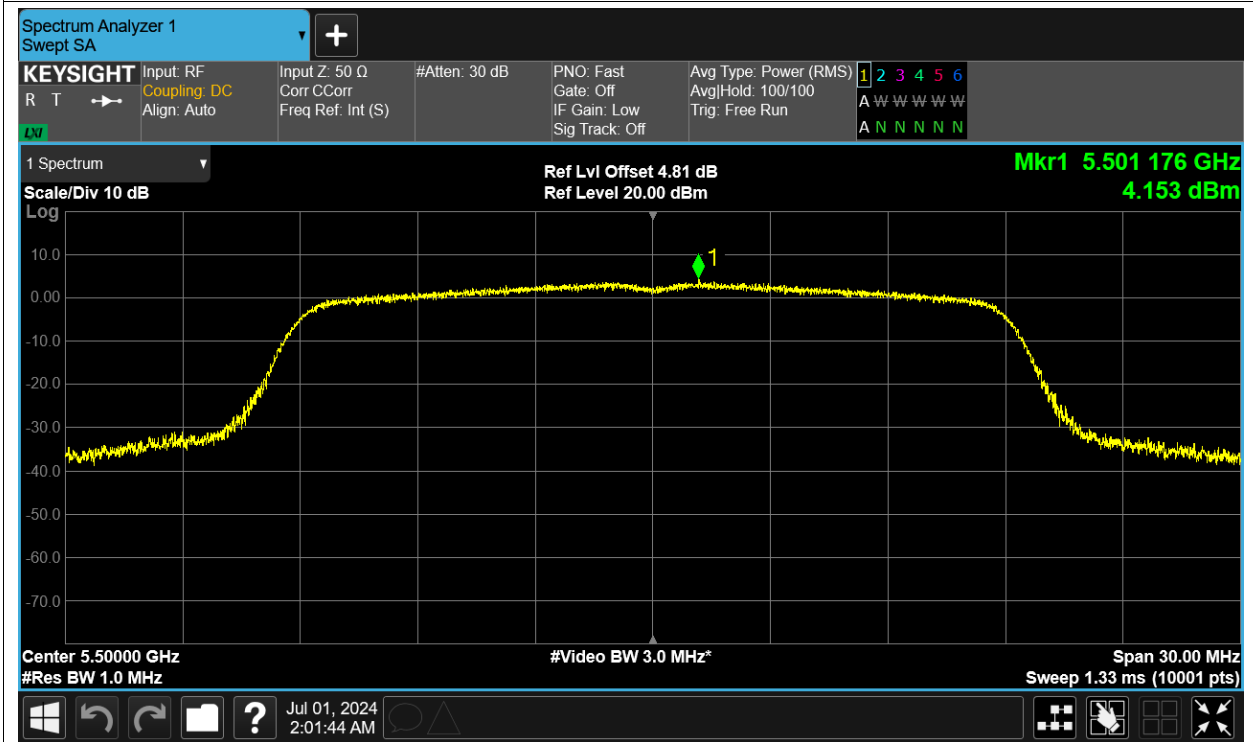
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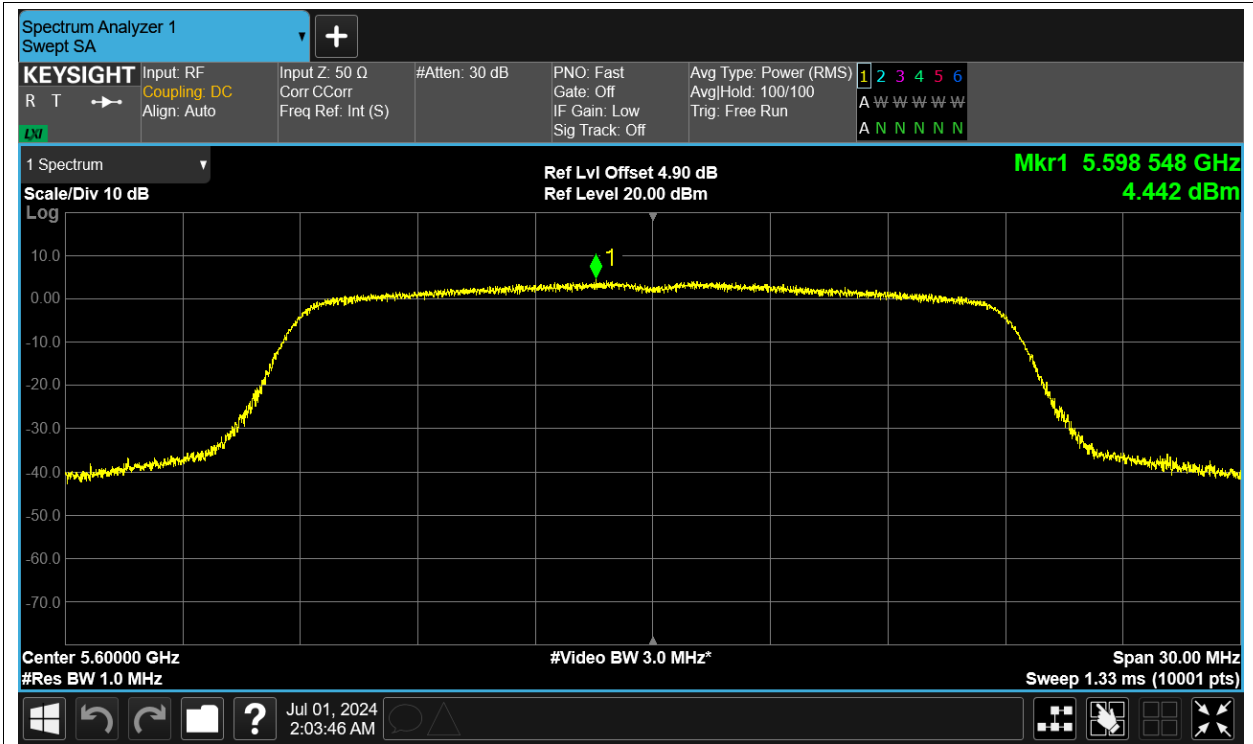
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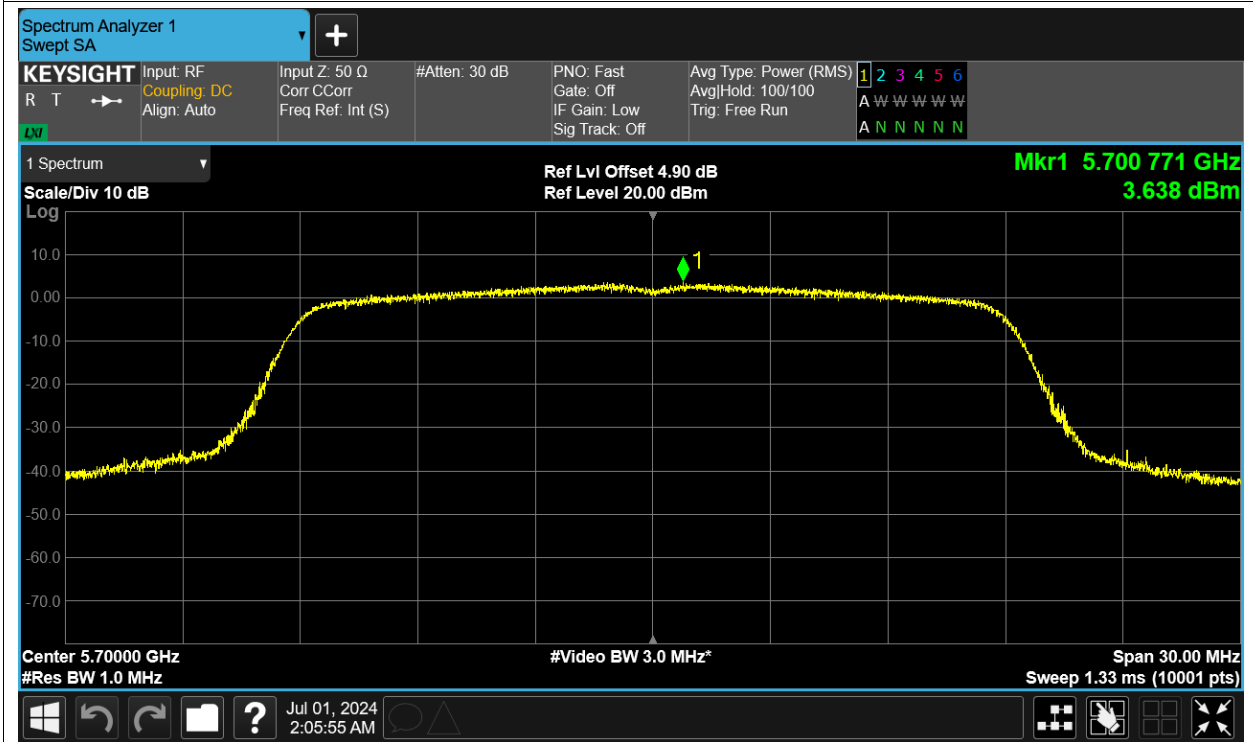
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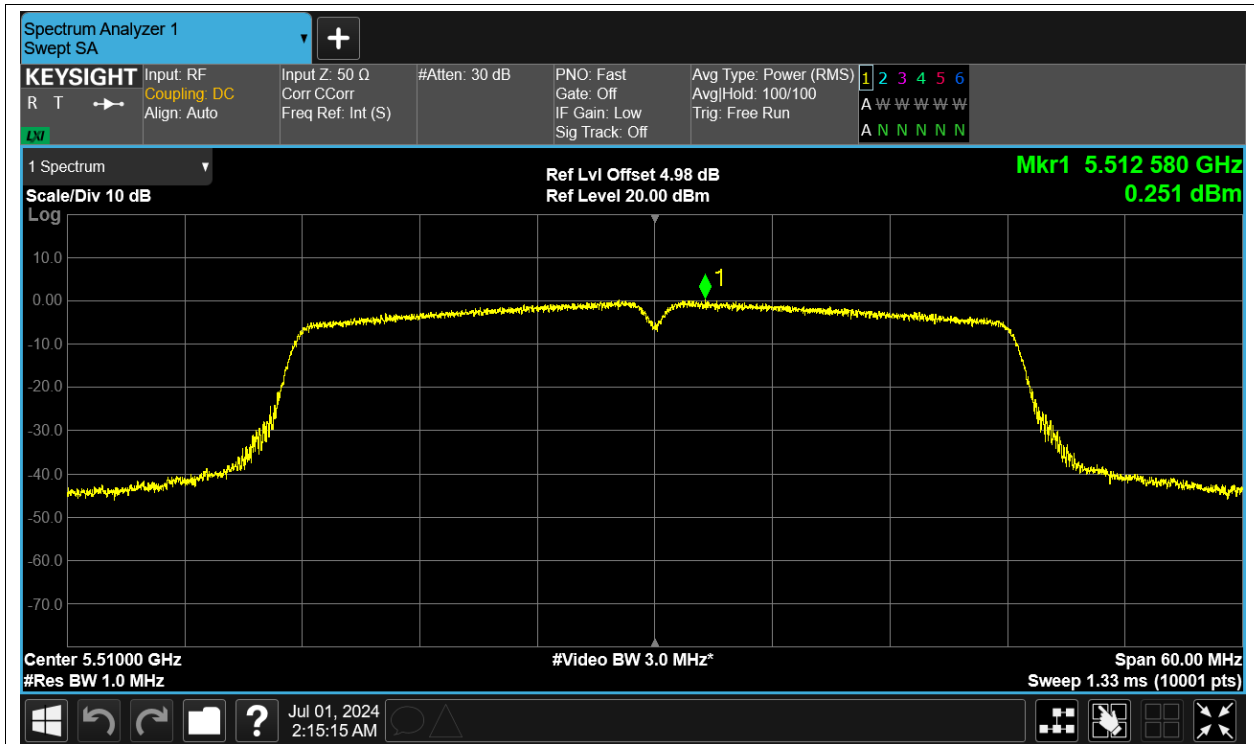
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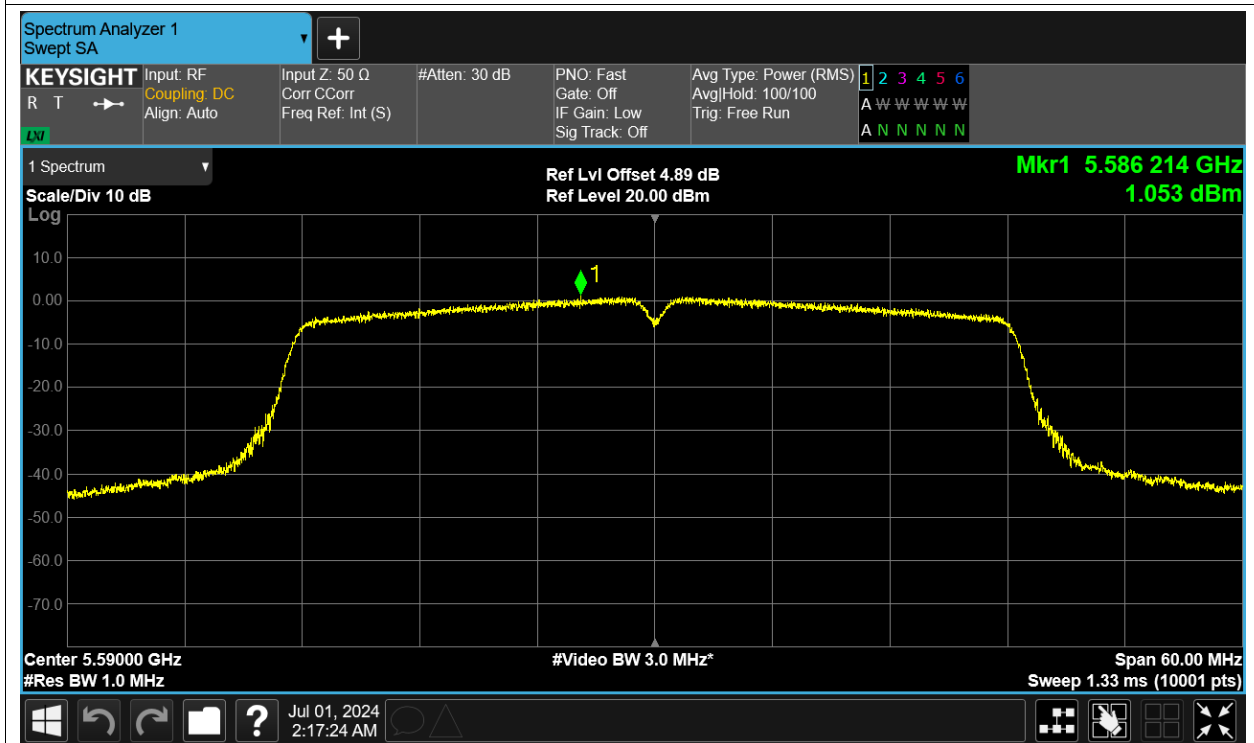
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PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5667MHz Ant1

