

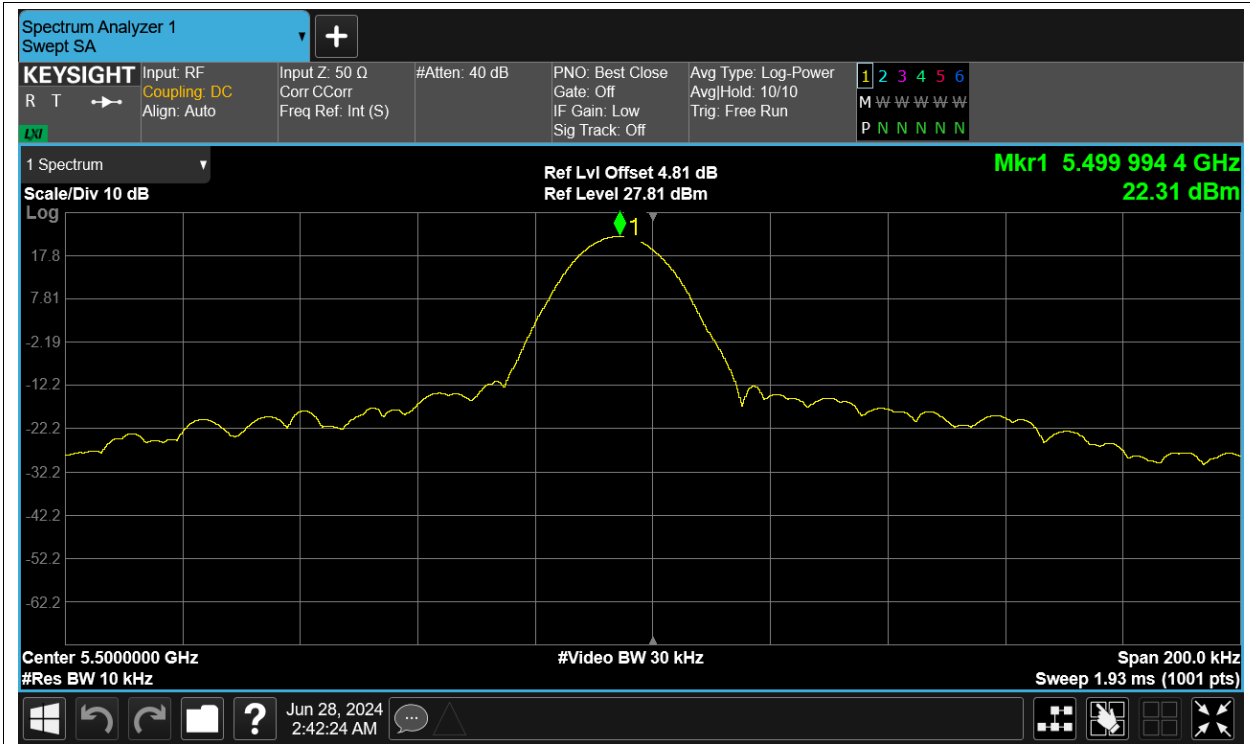
Test Data

Frequency Stability

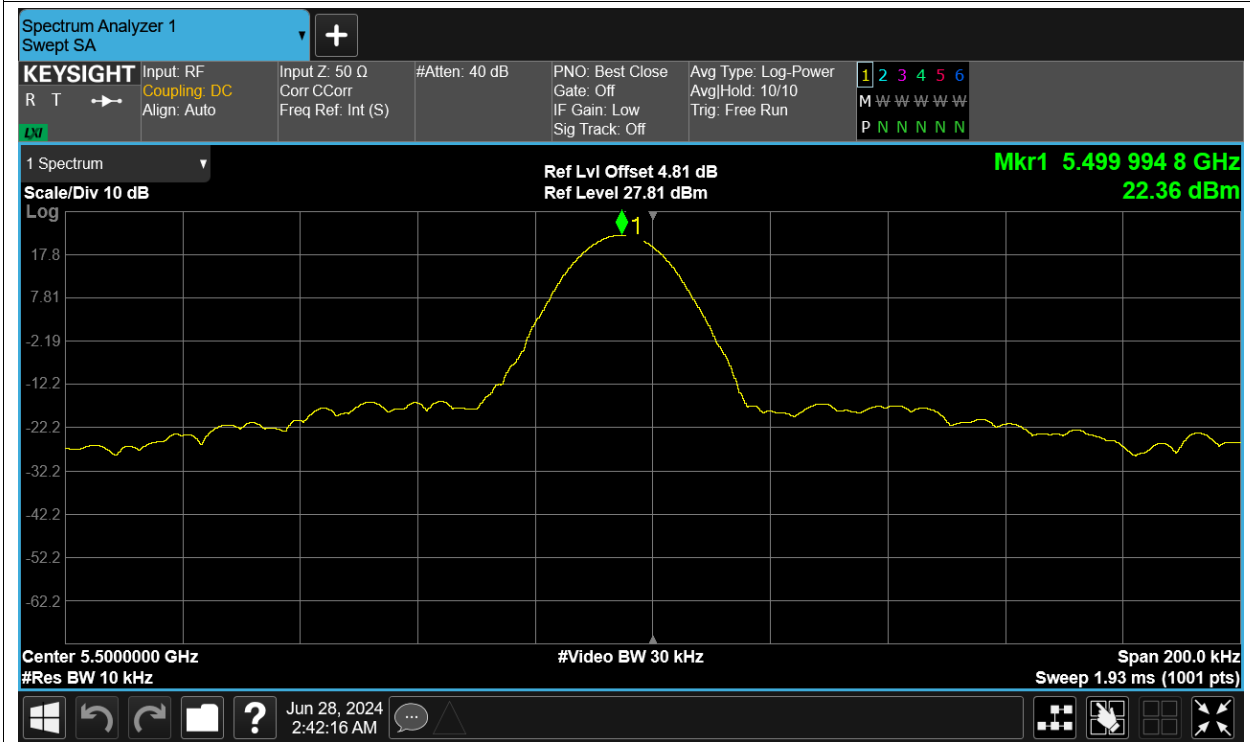
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant1	5499.9938	-1.13	Within authorized band	Pass
LVNT	a	5500	Ant1	5499.9942	-1.05		Pass
NVHT	a	5500	Ant1	5499.9944	-1.02		Pass
NVLT	a	5500	Ant1	5499.9948	-0.95		Pass
NVNT	a	5500	Ant1	5499.9958	-0.76		Pass
HVNT	ac80	5530	Ant1	5529.9964	-0.65		Pass
LVNT	ac80	5530	Ant1	5529.9946	-0.98		Pass
NVHT	ac80	5530	Ant1	5529.9948	-0.94		Pass
NVLT	ac80	5530	Ant1	5529.9952	-0.87		Pass
NVNT	ac80	5530	Ant1	5529.996	-0.72		Pass
HVNT	n40	5510	Ant1	5509.9946	-0.98		Pass
LVNT	n40	5510	Ant1	5509.9948	-0.94		Pass
NVHT	n40	5510	Ant1	5509.9952	-0.87		Pass
NVLT	n40	5510	Ant1	5509.9956	-0.8		Pass
NVNT	n40	5510	Ant1	5509.9968	-0.58		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.

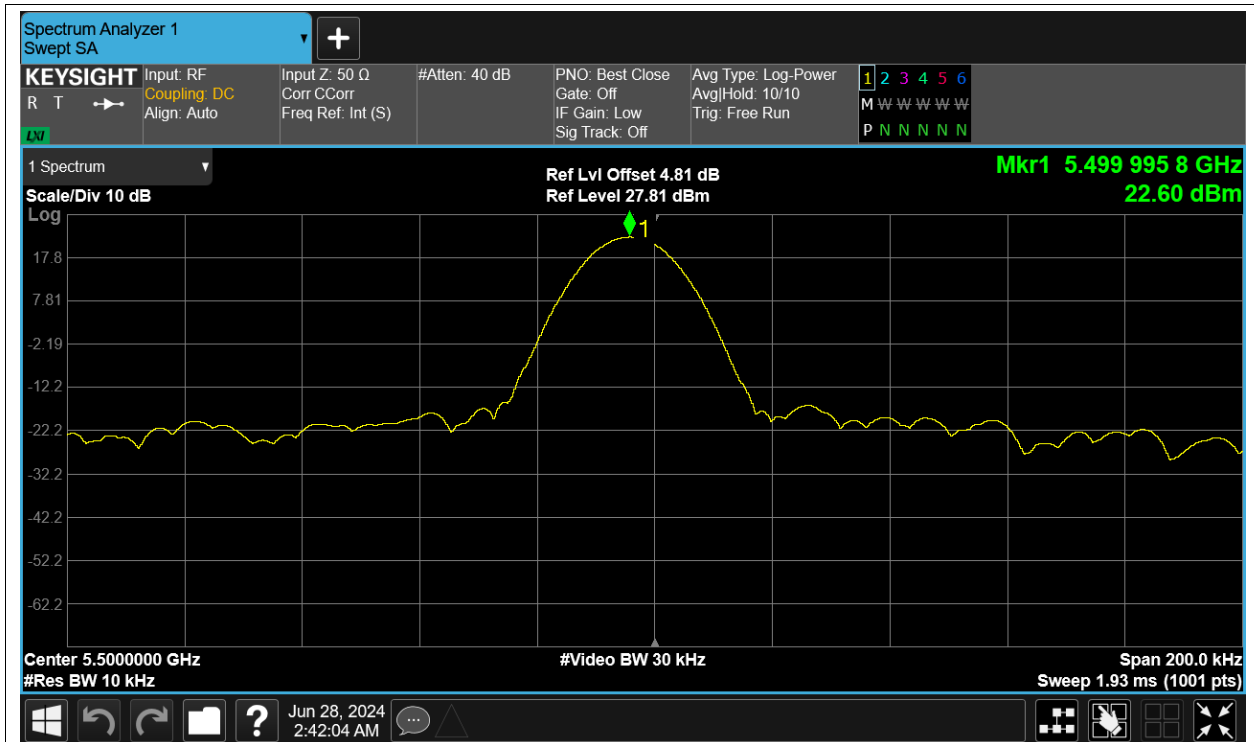




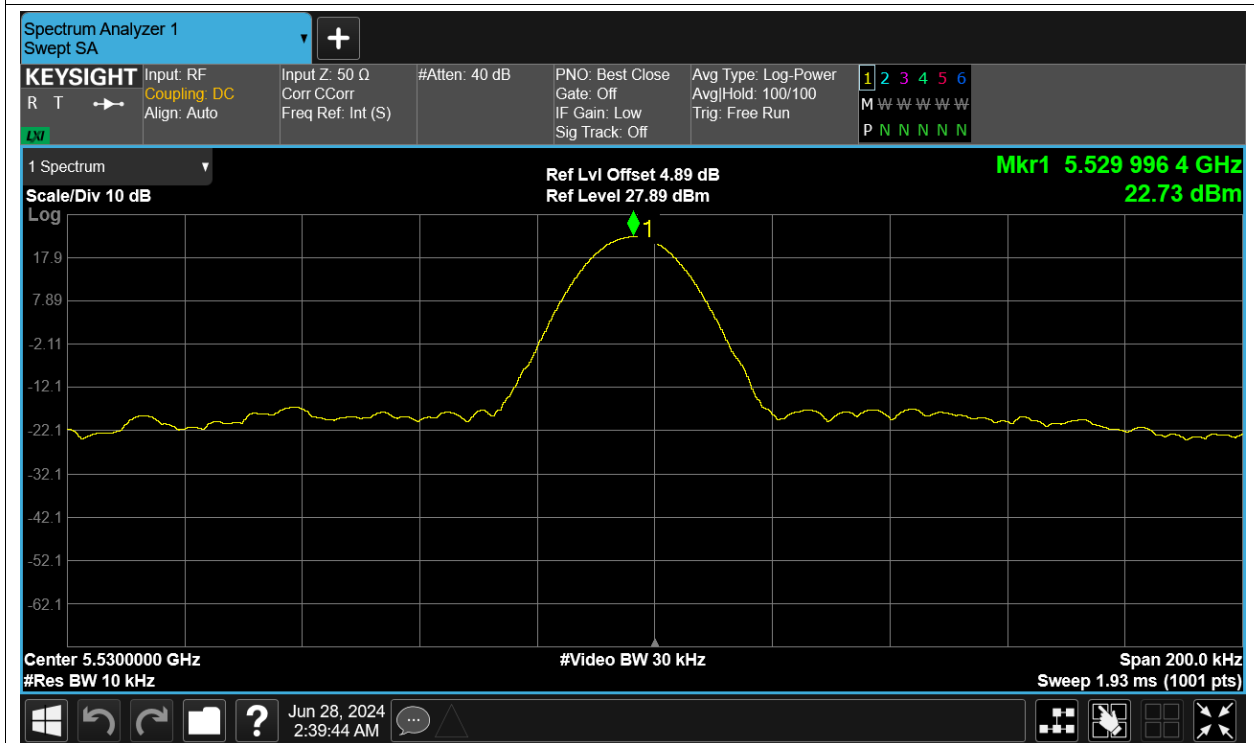
Freq. Stability NVLT a 5500MHz Ant1



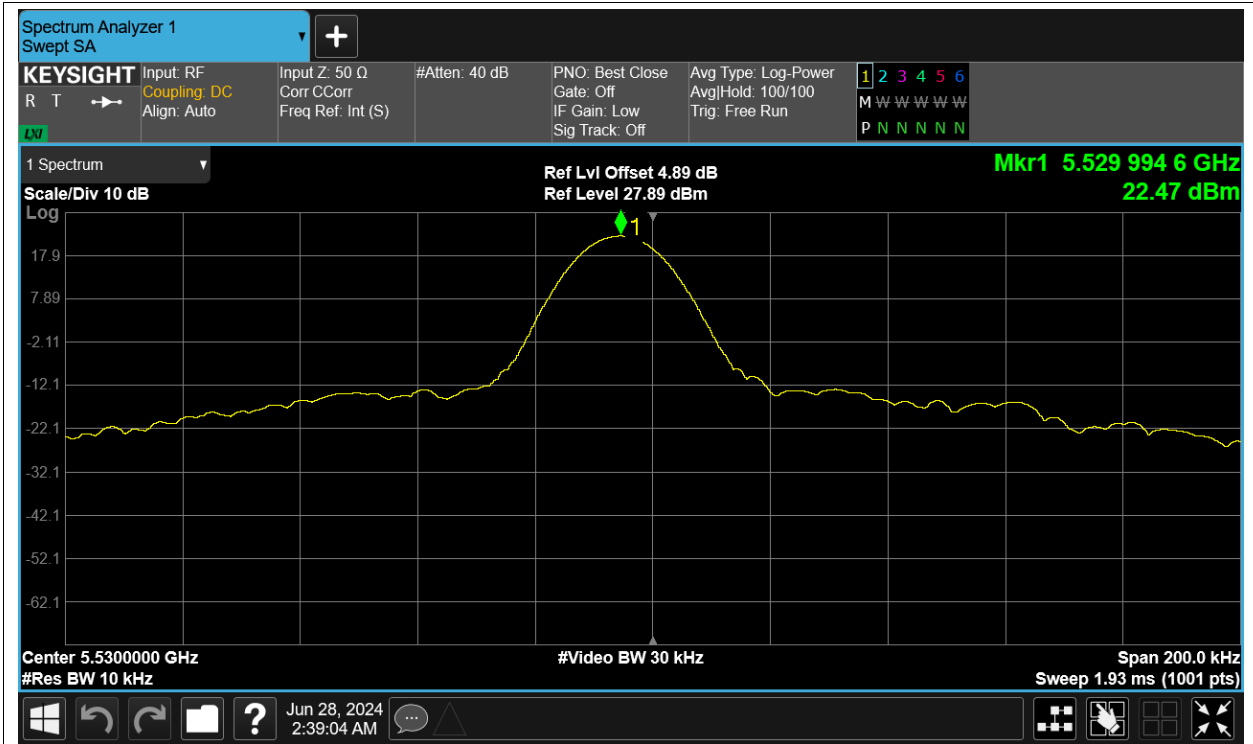
Freq. Stability NVNT a 5500MHz Ant1



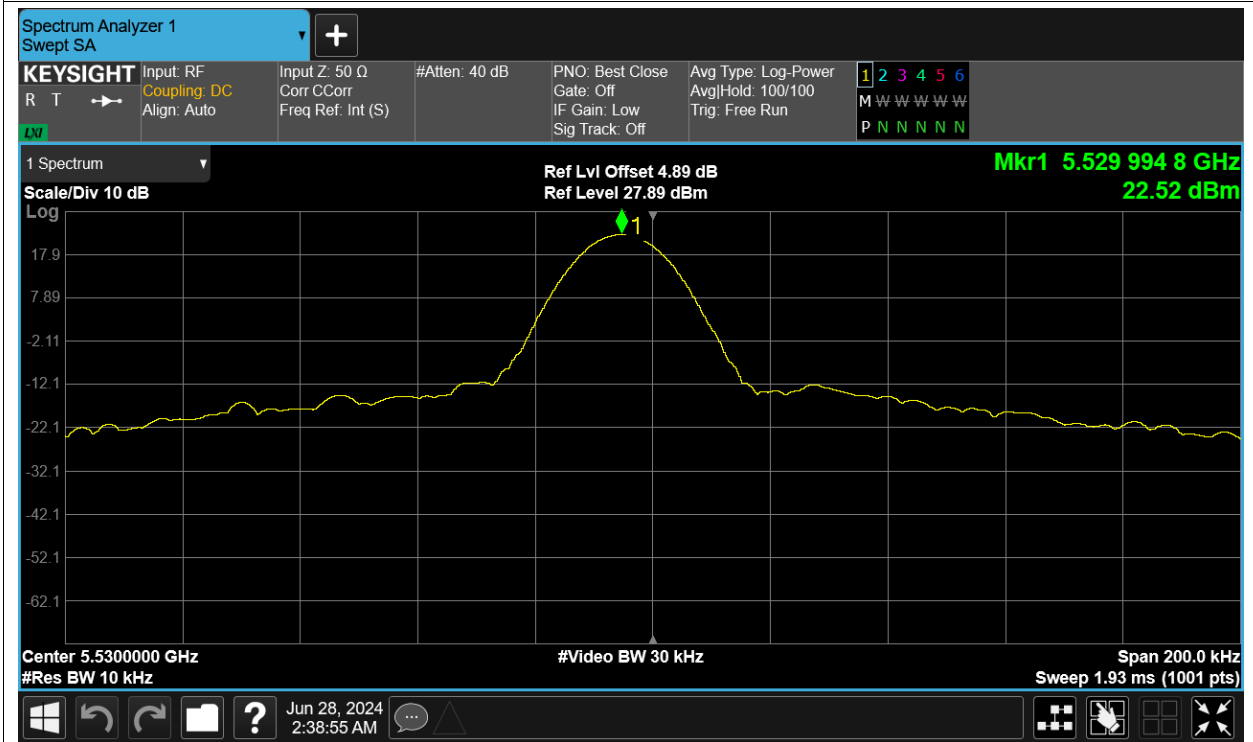
Freq. Stability HVNT ac80 5530MHz Ant1



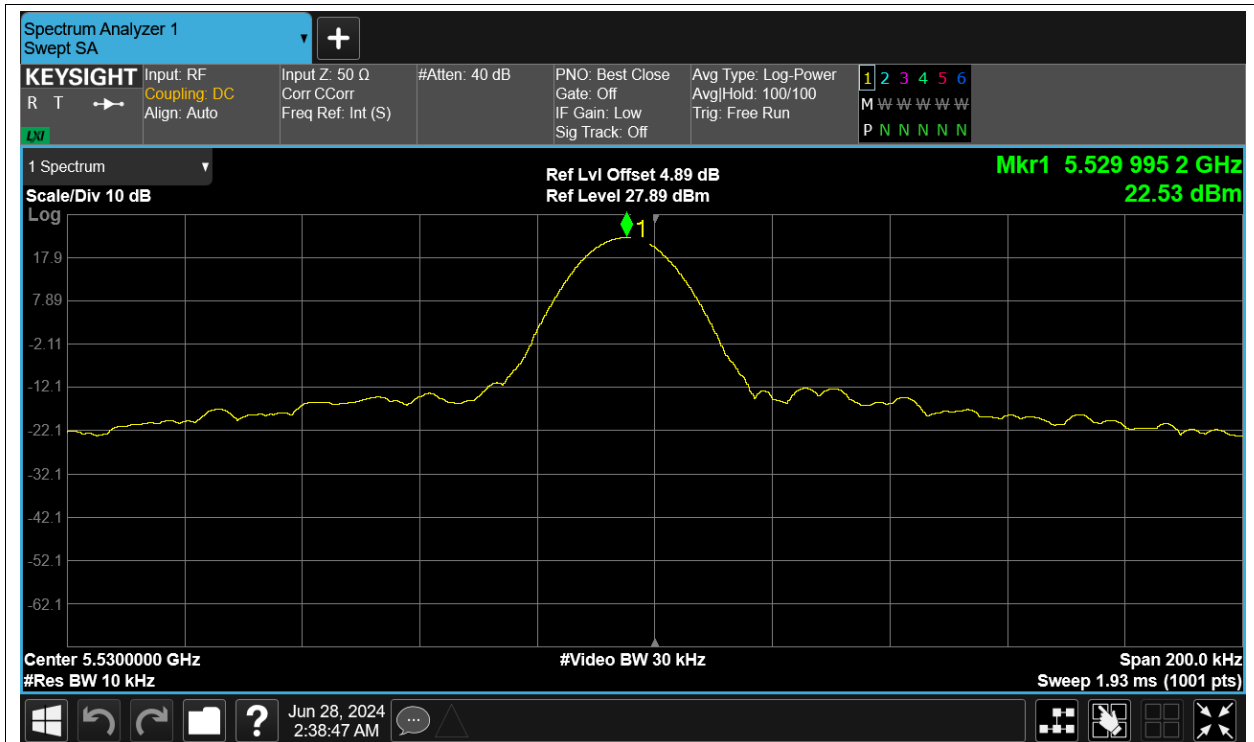
Freq. Stability LVNT ac80 5530MHz Ant1



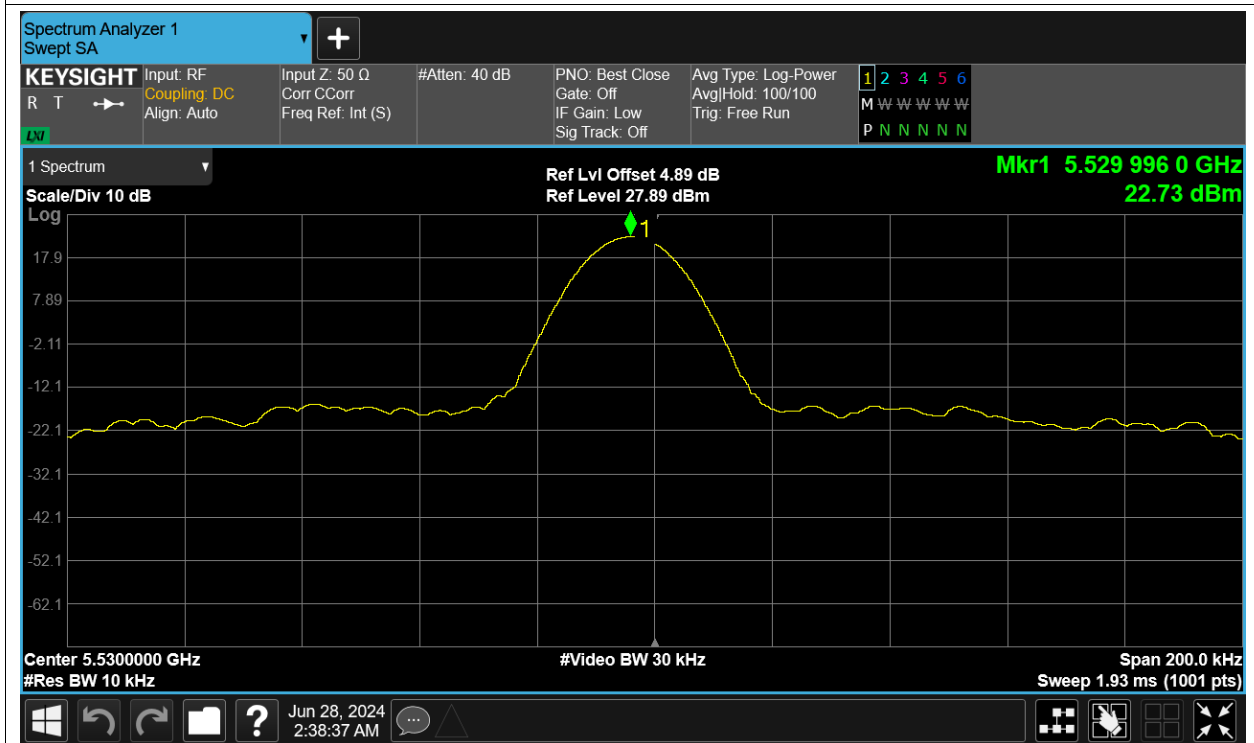
Freq. Stability NVHT ac80 5530MHz Ant1



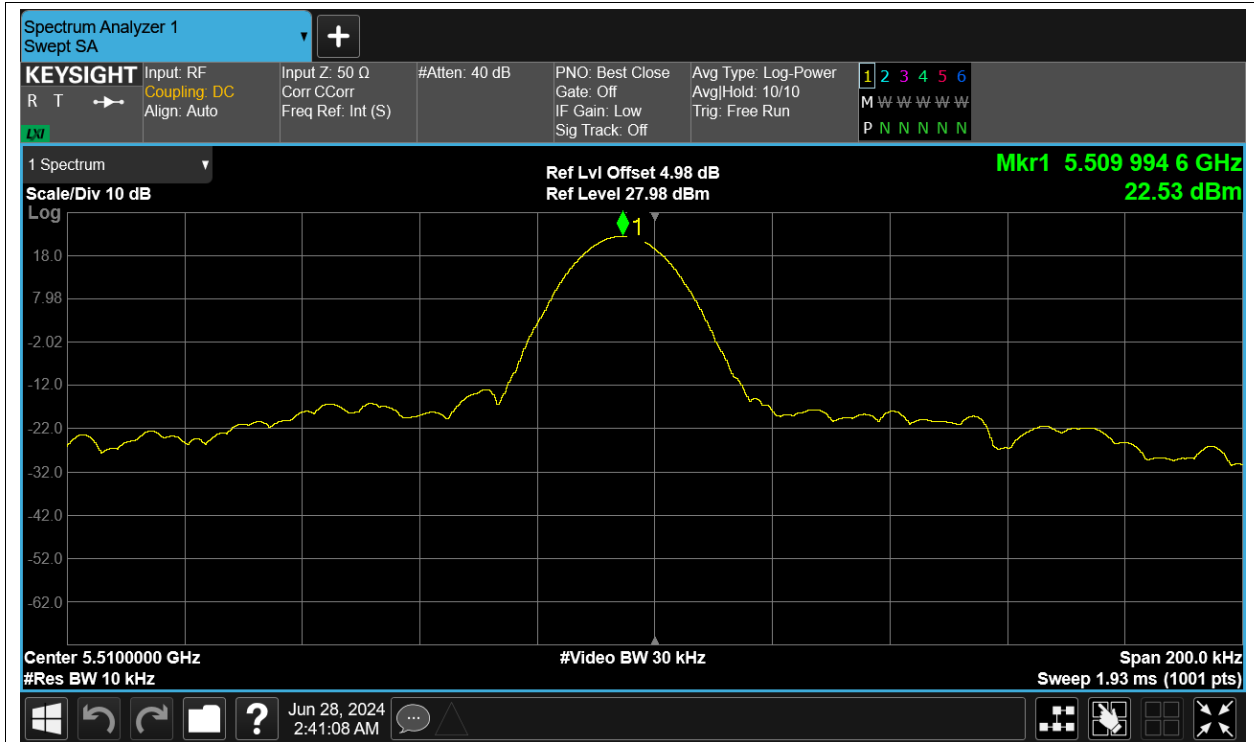
Freq. Stability NVLT ac80 5530MHz Ant1



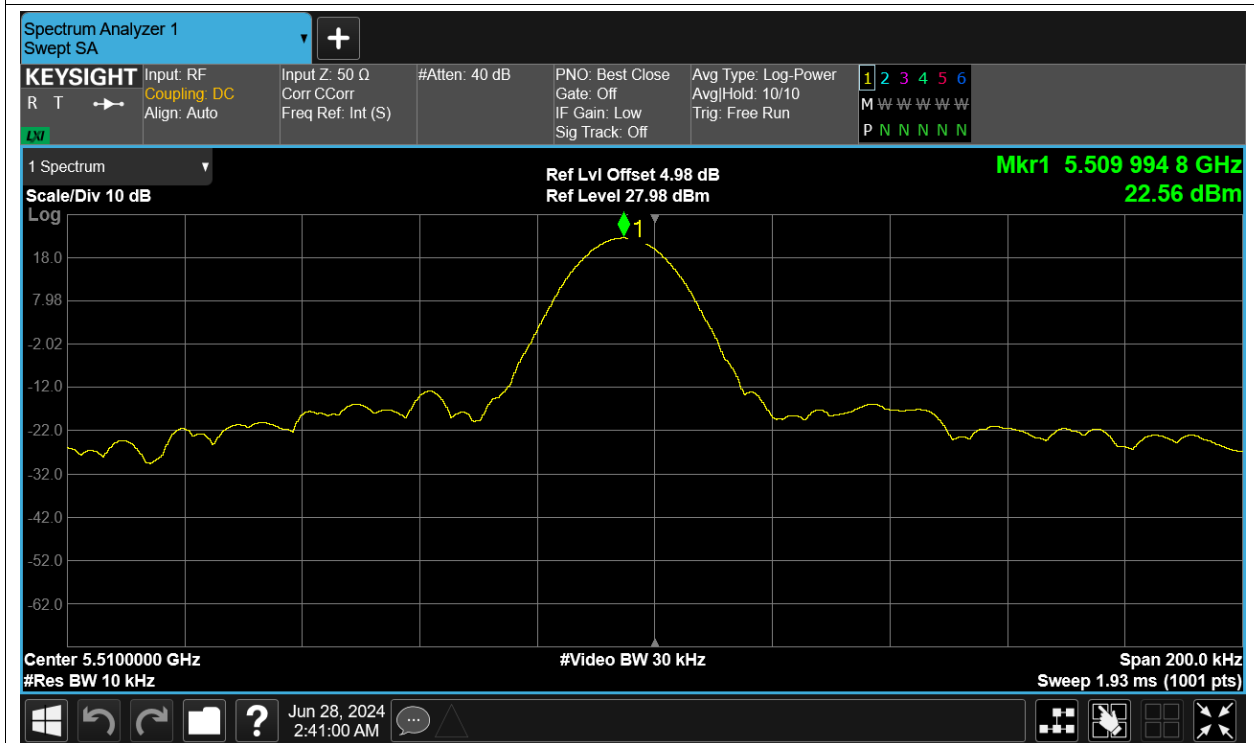
Freq. Stability NVNT ac80 5530MHz Ant1



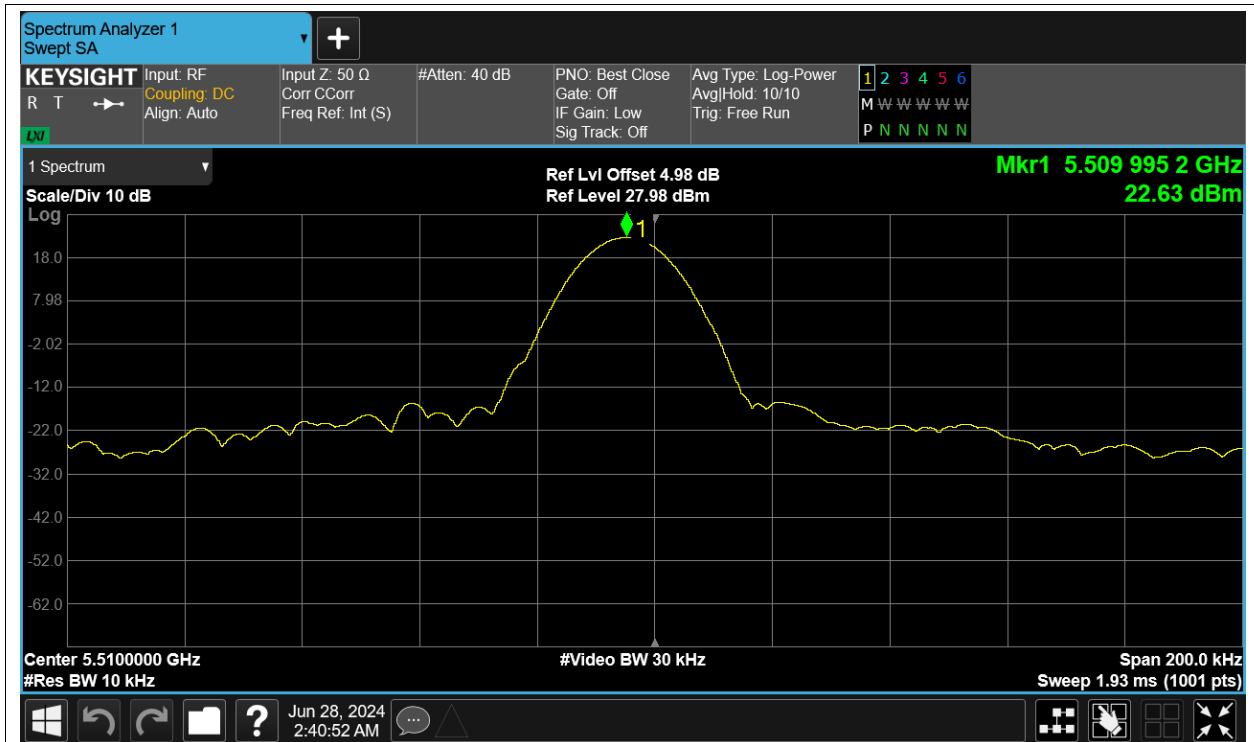
Freq. Stability HVNT n40 5510MHz Ant1



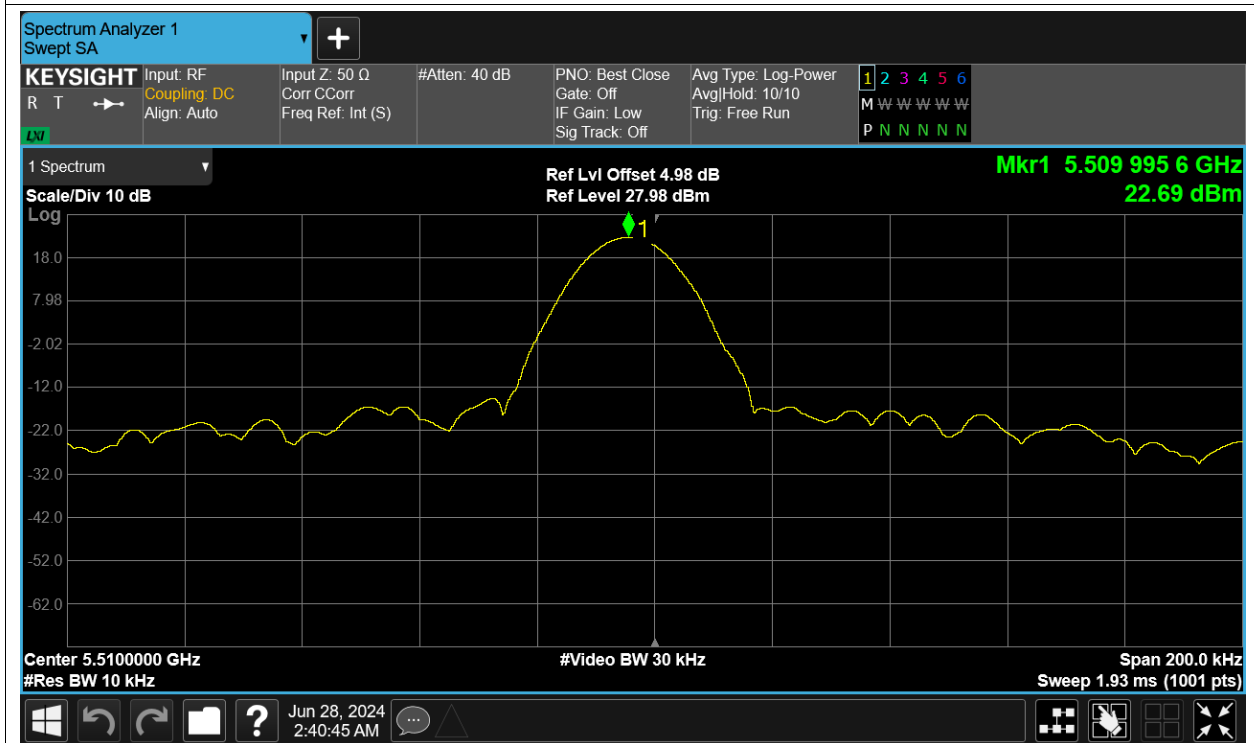
Freq. Stability LVNT n40 5510MHz Ant1



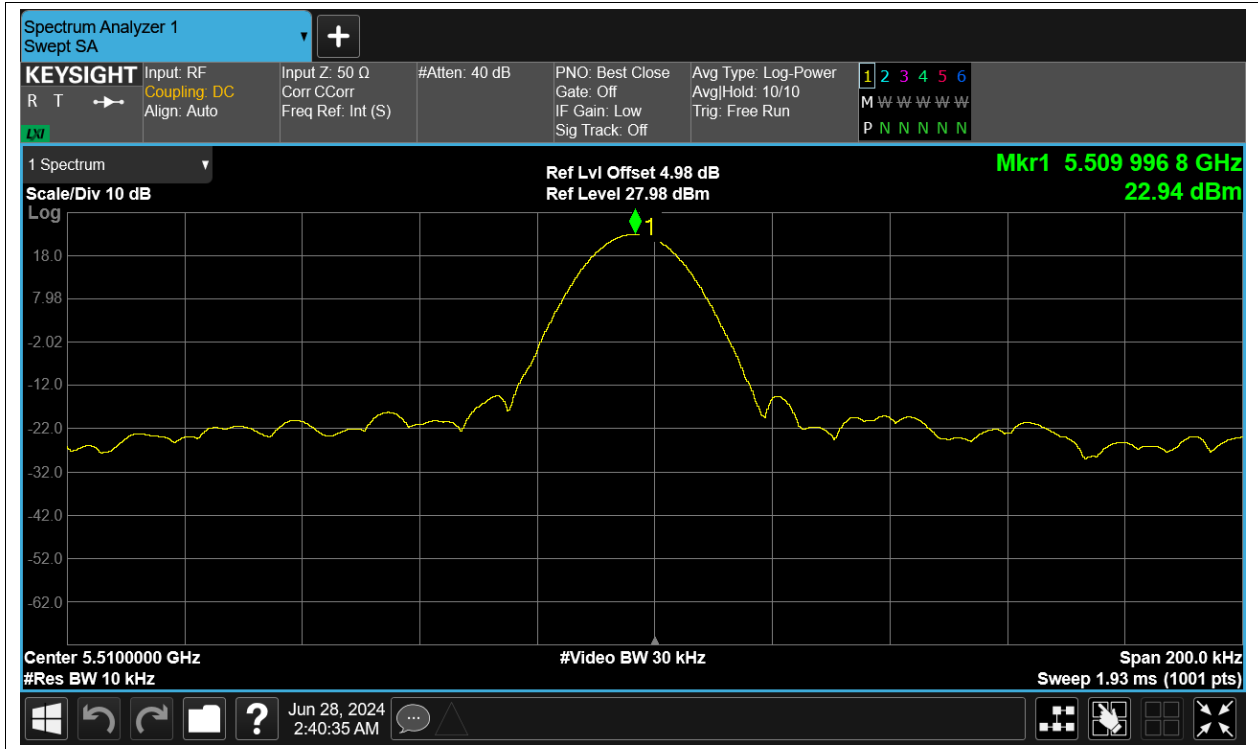
Freq. Stability NVHT n40 5510MHz Ant1



Freq. Stability NVLT n40 5510MHz Ant1



Freq. Stability NVNT n40 5510MHz Ant1

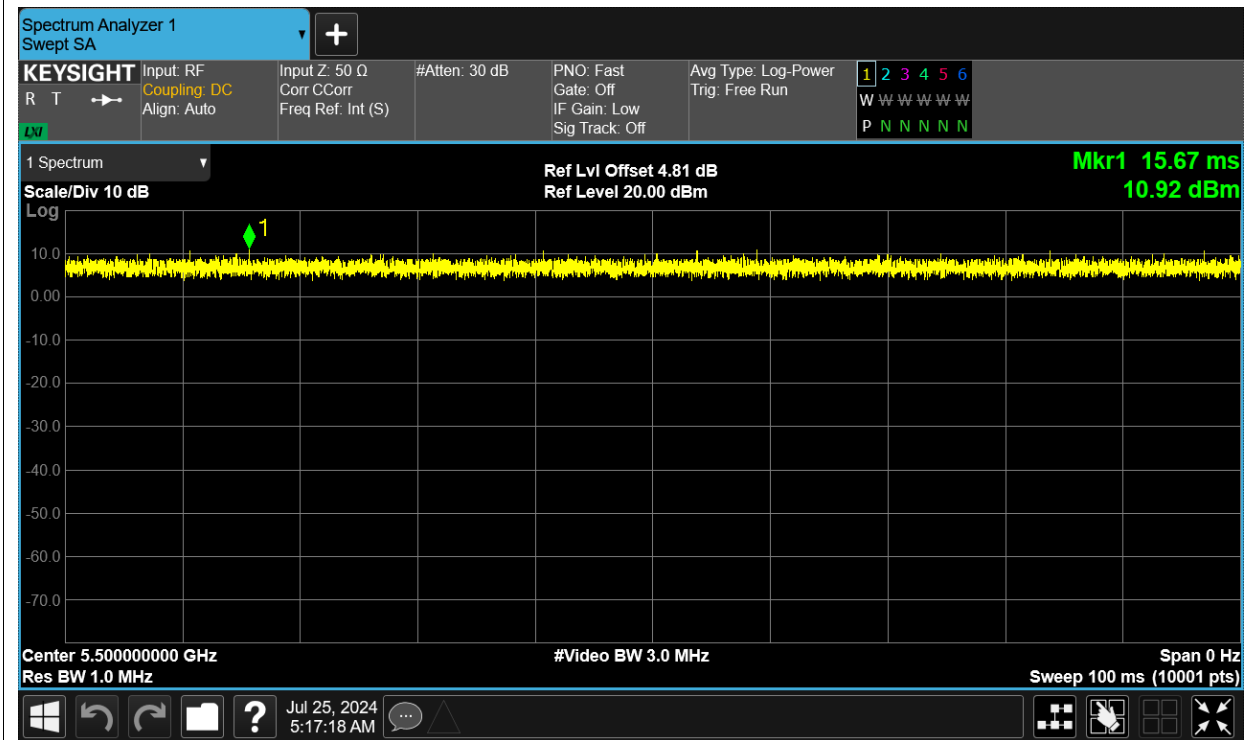


Duty Cycle

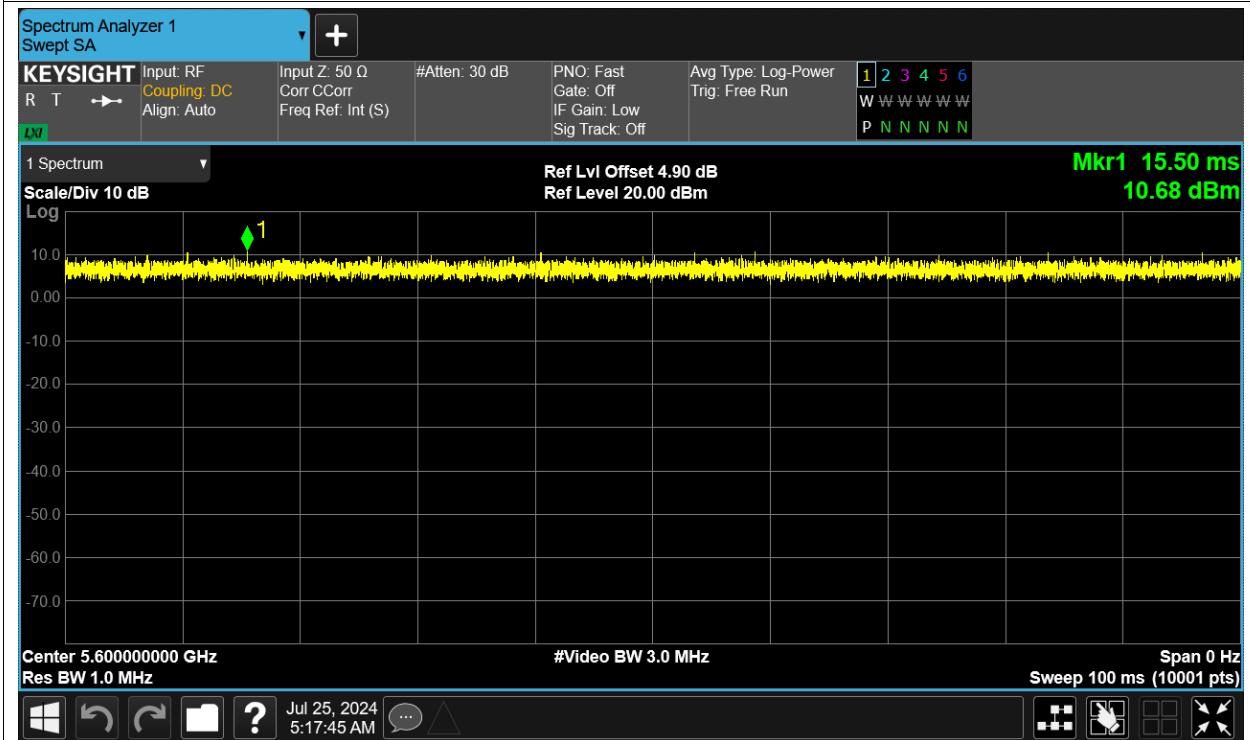
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant1	100	0
NVNT	a	5600	Ant1	100	0
NVNT	a	5700	Ant1	100	0
NVNT	ac20	5500	Ant1	100	0
NVNT	ac20	5600	Ant1	100	0
NVNT	ac20	5700	Ant1	100	0
NVNT	ac40	5510	Ant1	100	0
NVNT	ac40	5590	Ant1	100	0
NVNT	ac40	5670	Ant1	100	0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

Test Graphs

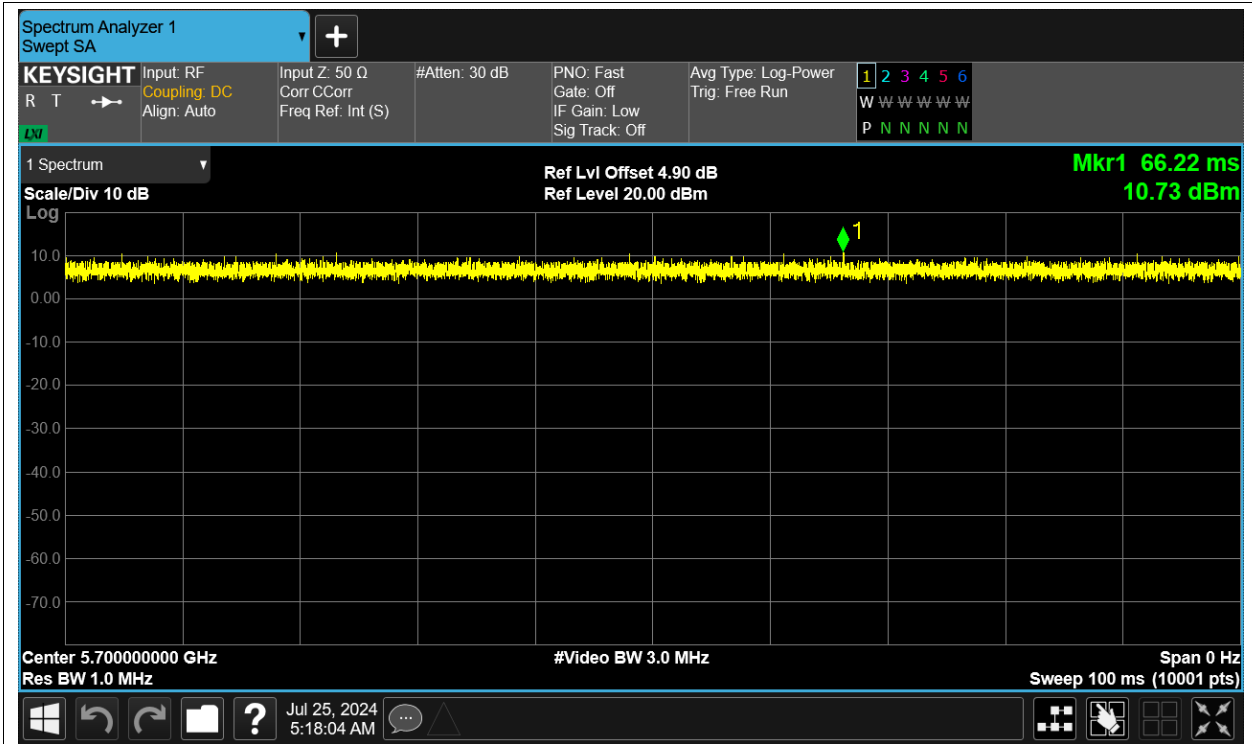
Duty Cycle NVNT a 5500MHz Ant1



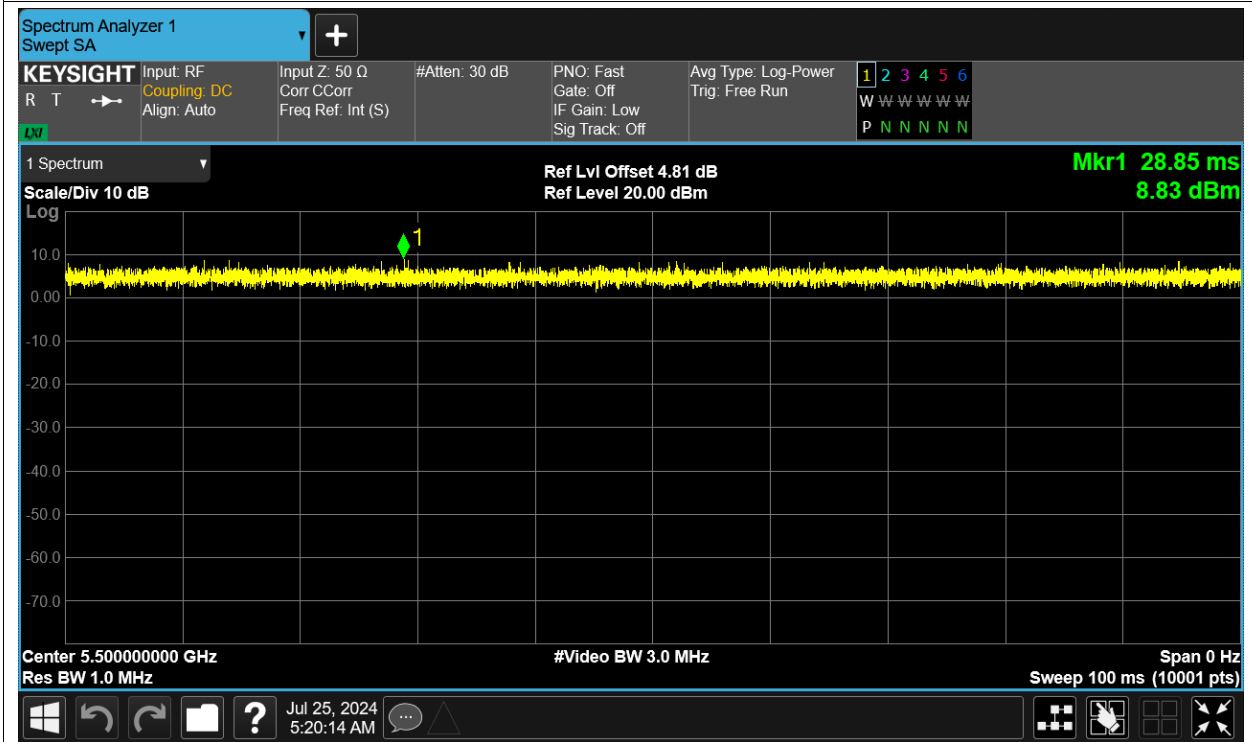
Duty Cycle NVNT a 5600MHz Ant1



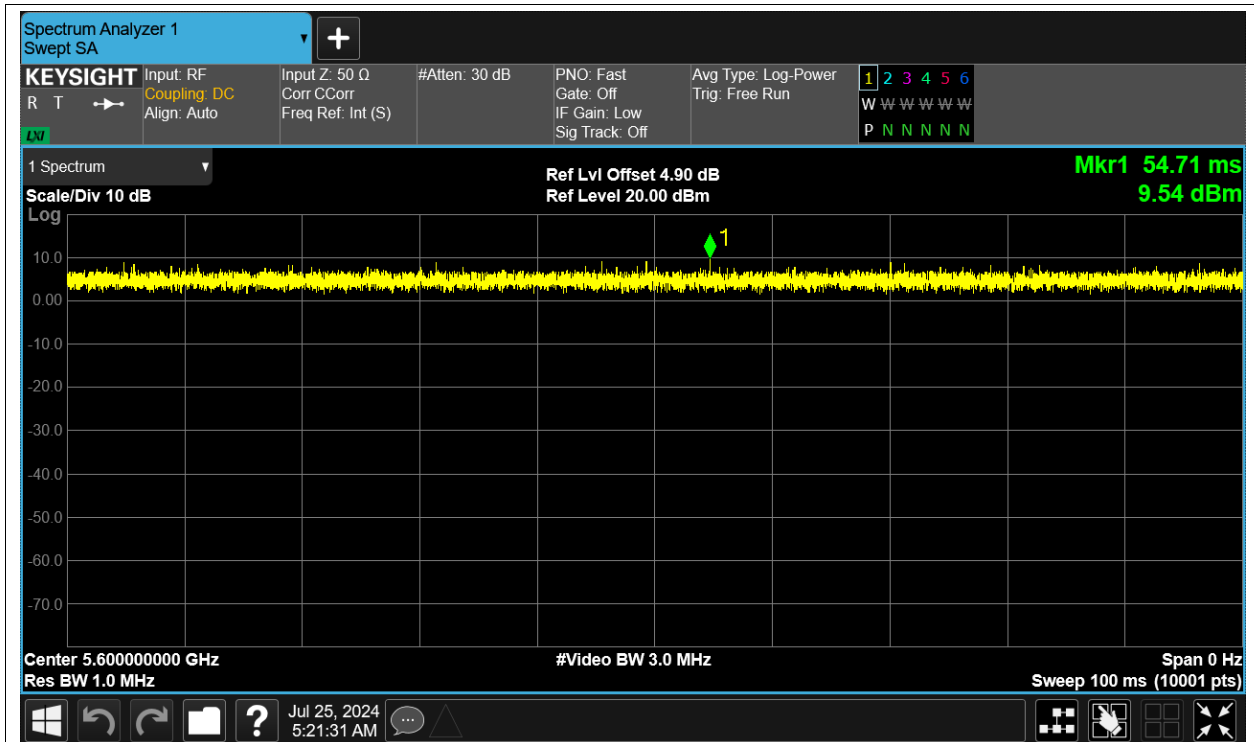
Duty Cycle NVNT a 5700MHz Ant1



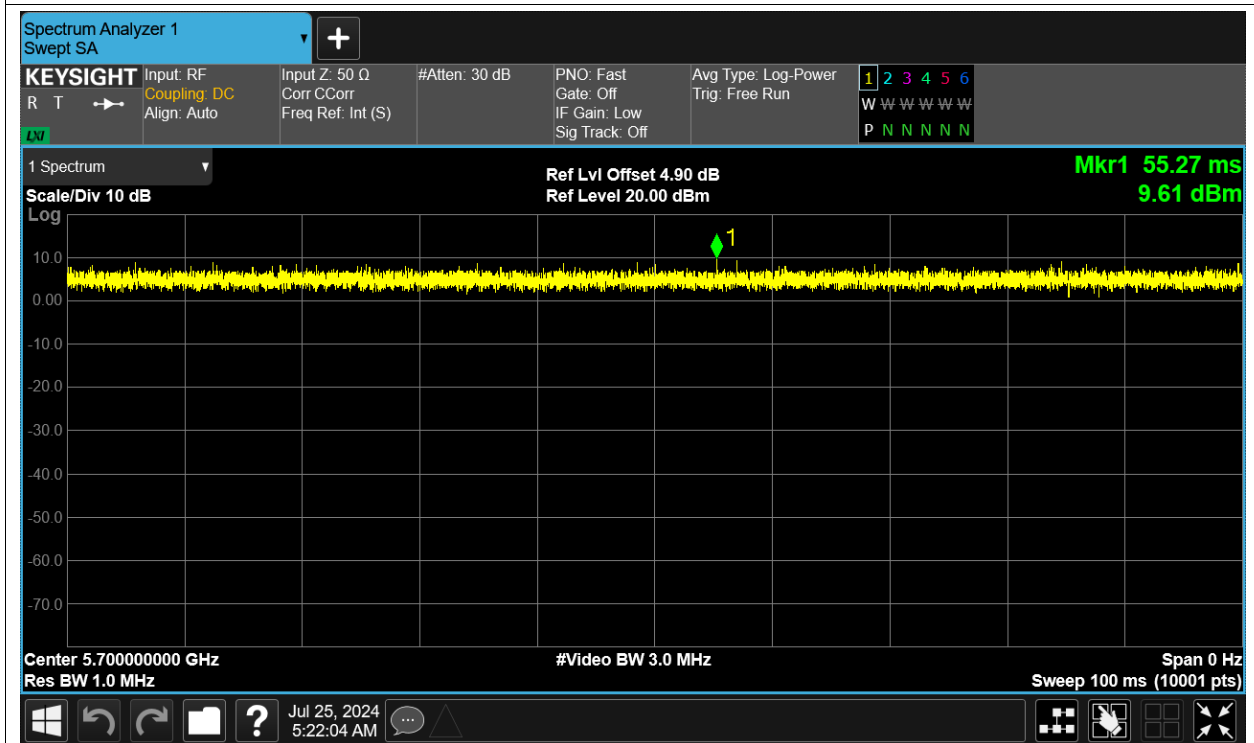
Duty Cycle NVNT ac20 5500MHz Ant1



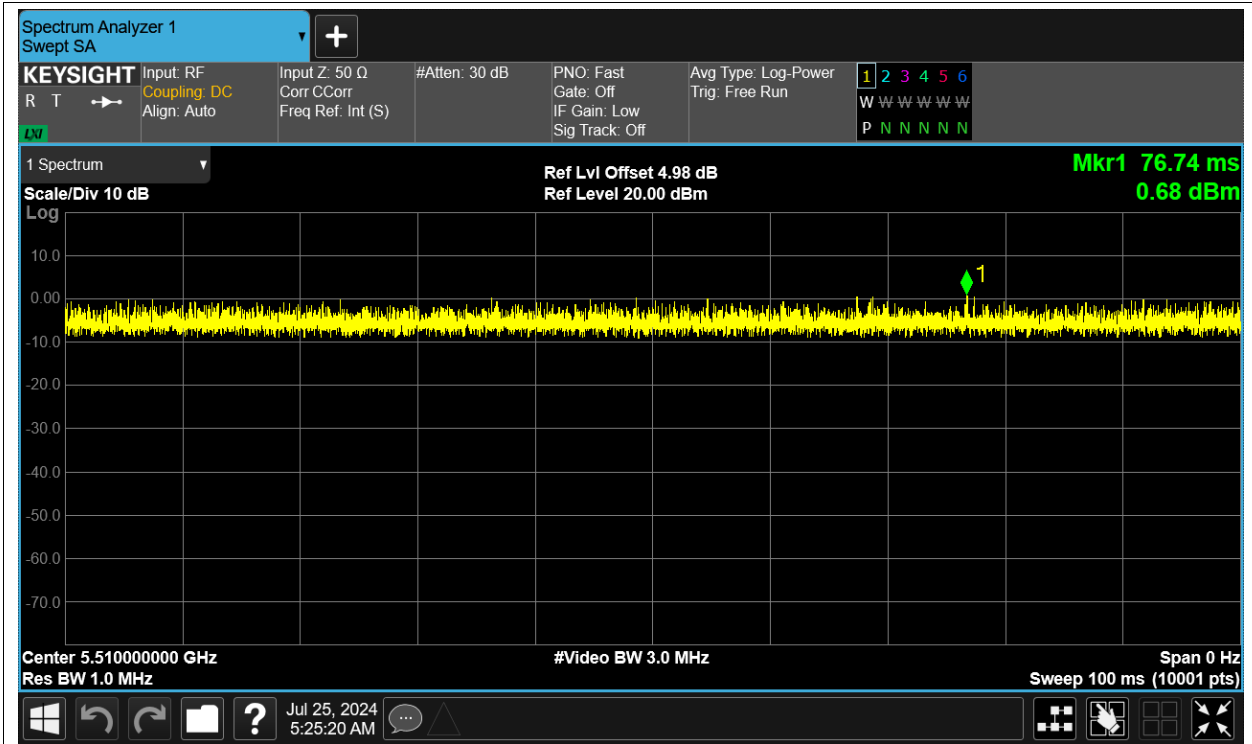
Duty Cycle NVNT ac20 5600MHz Ant1



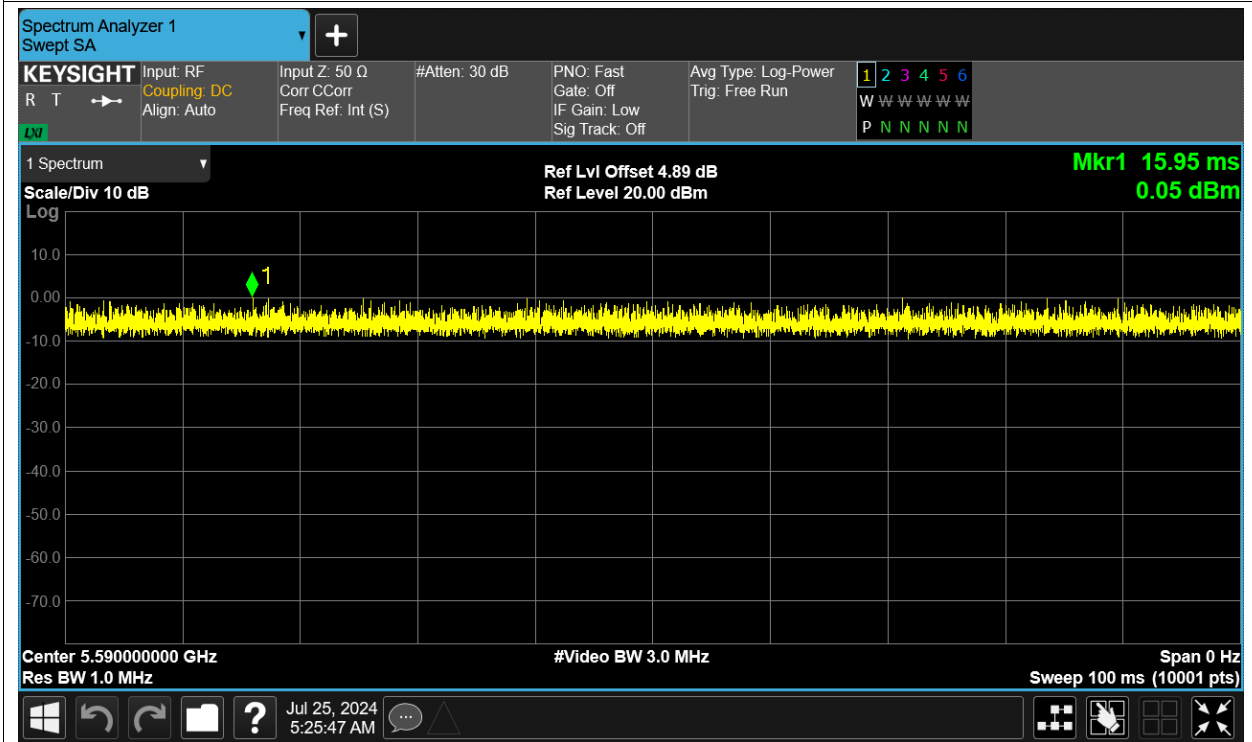
Duty Cycle NVNT ac20 5700MHz Ant1



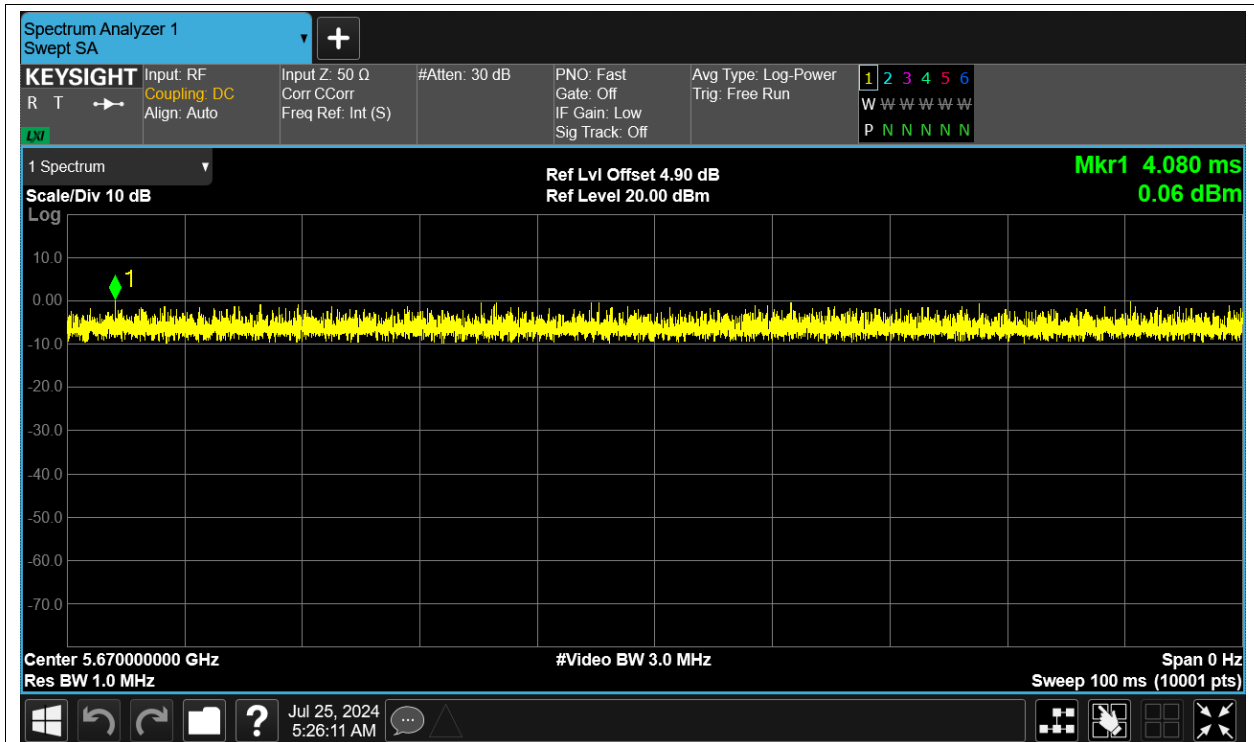
Duty Cycle NVNT ac40 5510MHz Ant1



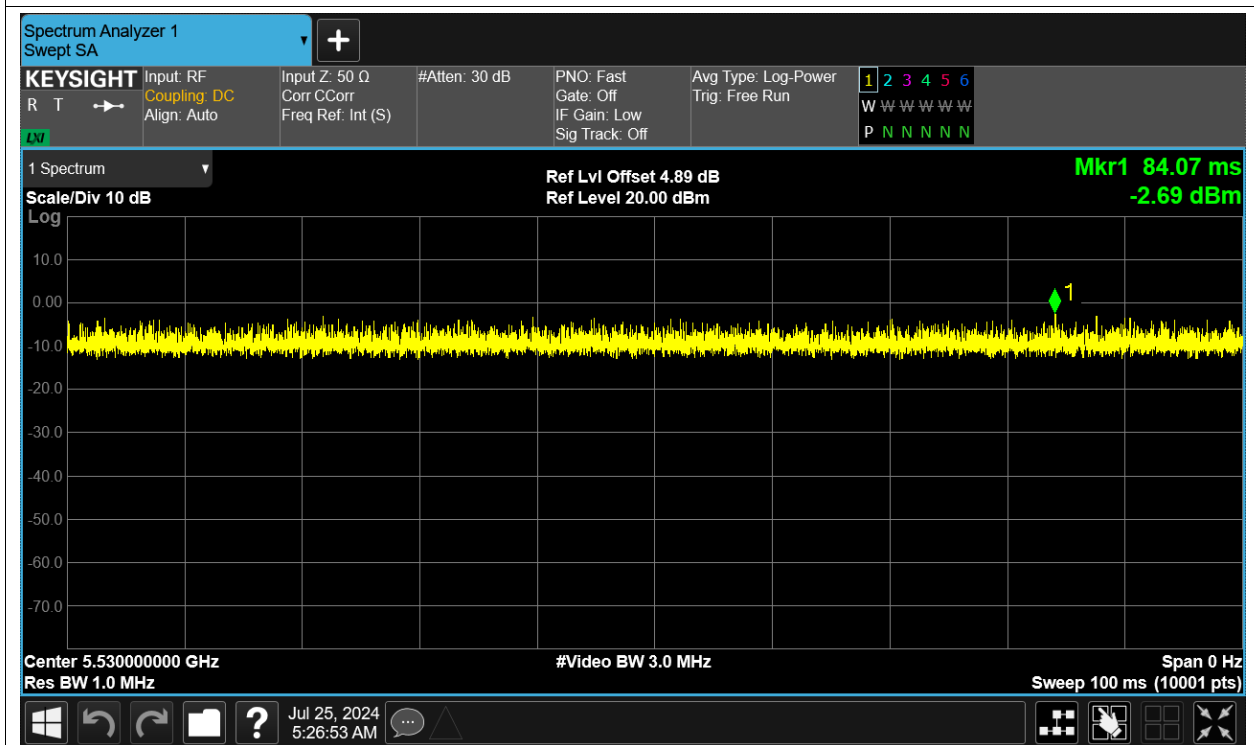
Duty Cycle NVNT ac40 5590MHz Ant1



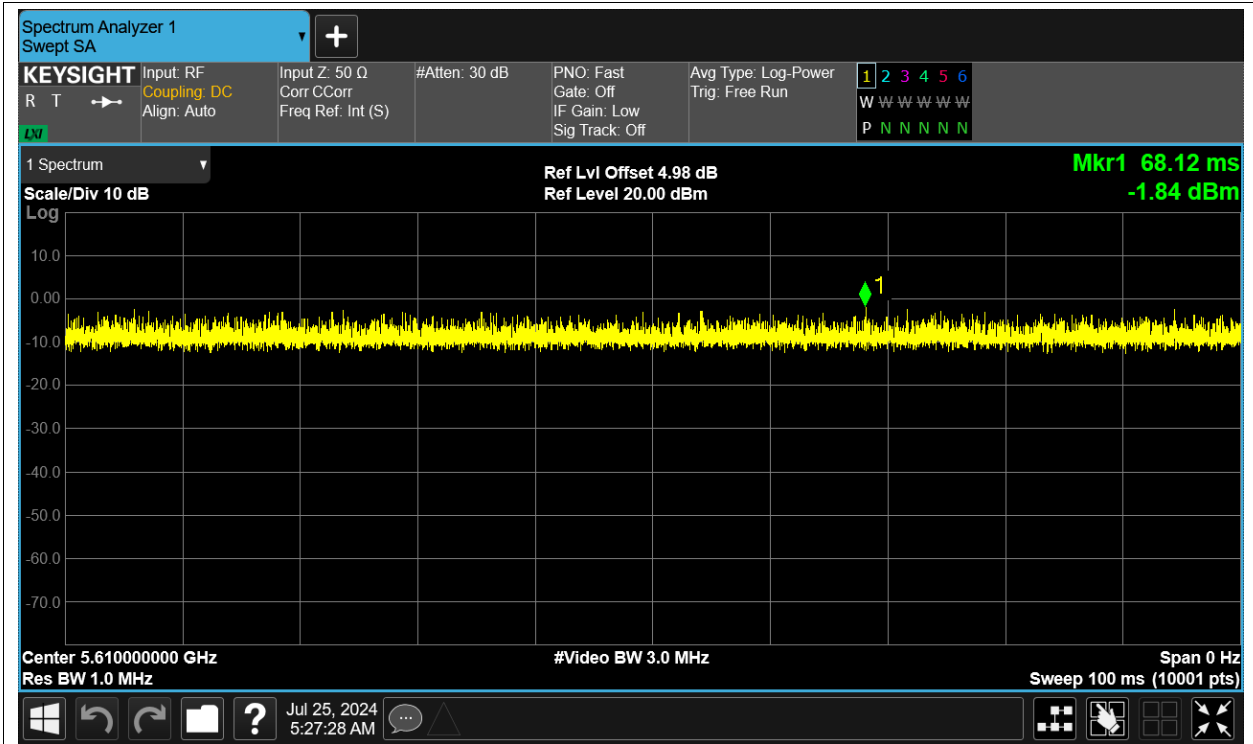
Duty Cycle NVNT ac40 5670MHz Ant1



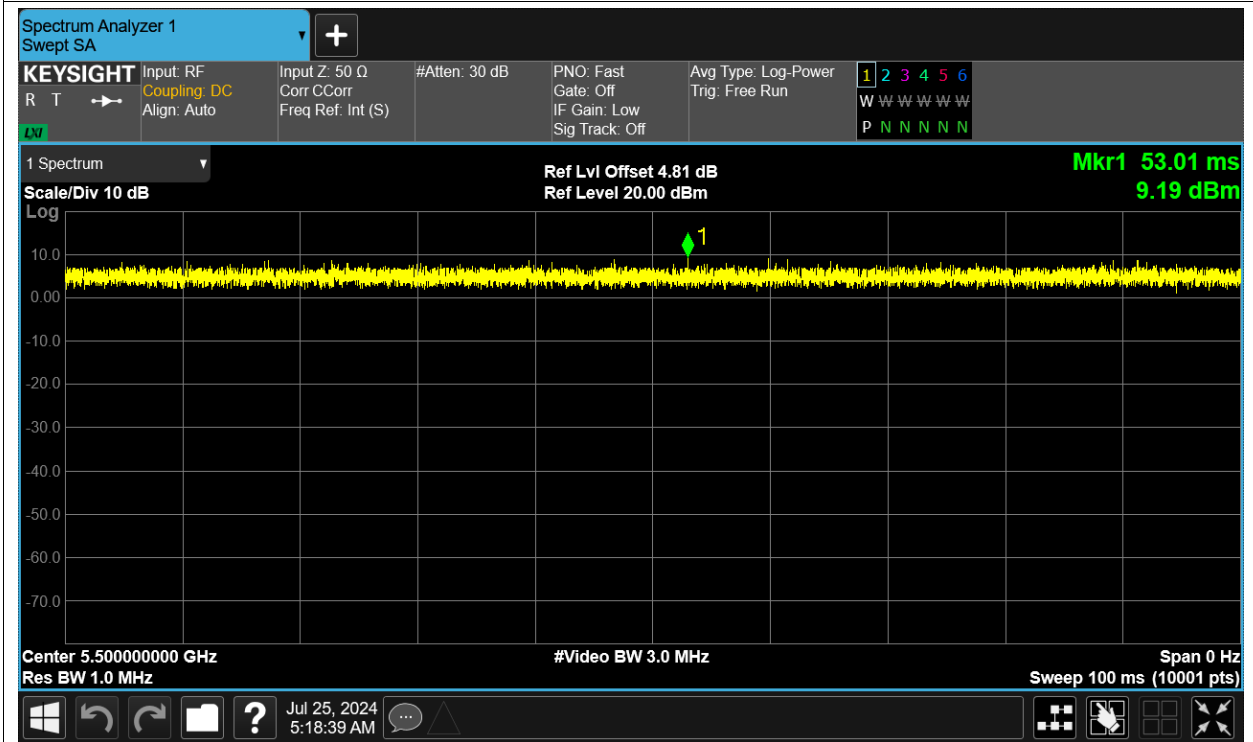
Duty Cycle NVNT ac80 5530MHz Ant1



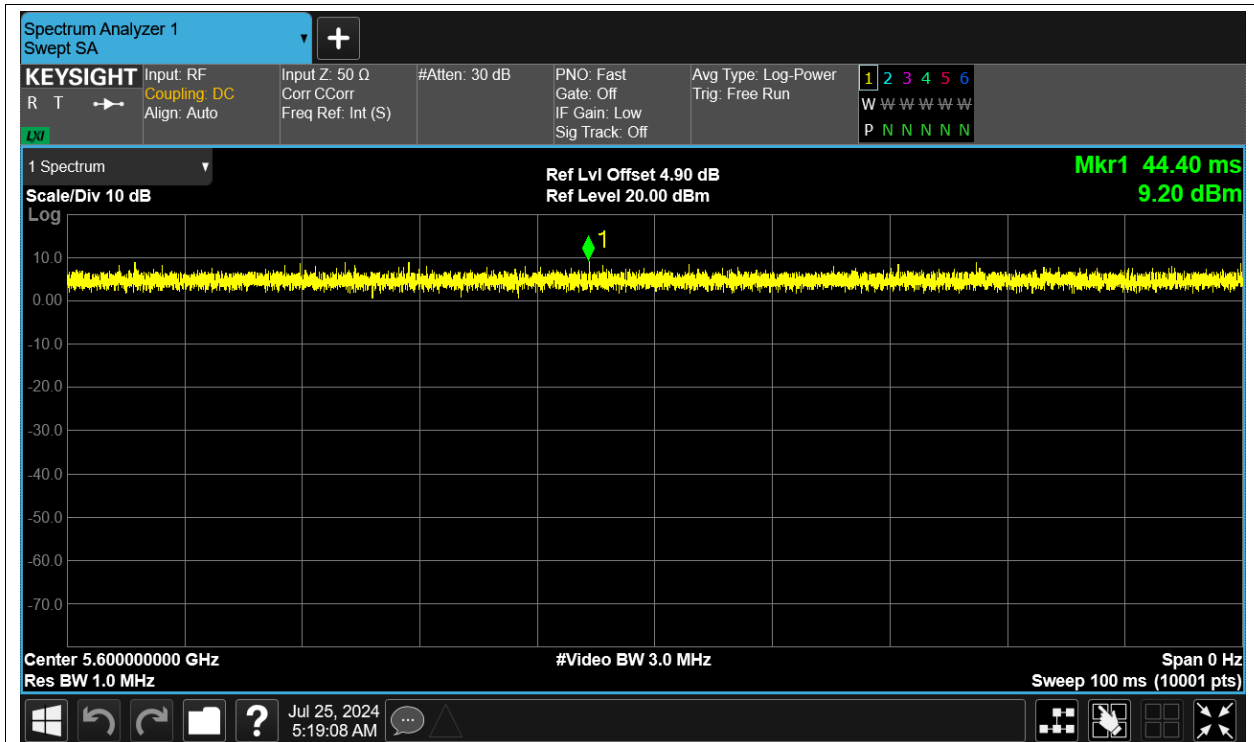
Duty Cycle NVNT ac80 5610MHz Ant1



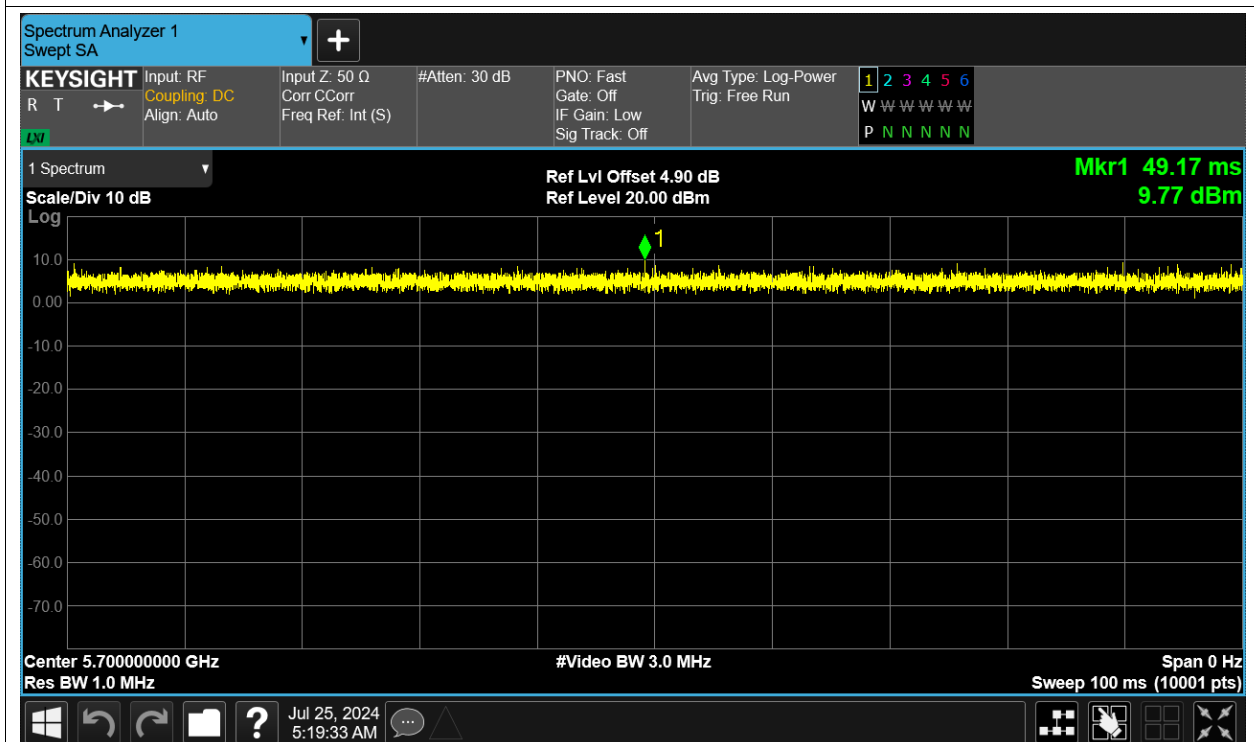
Duty Cycle NVNT n20 5500MHz Ant1



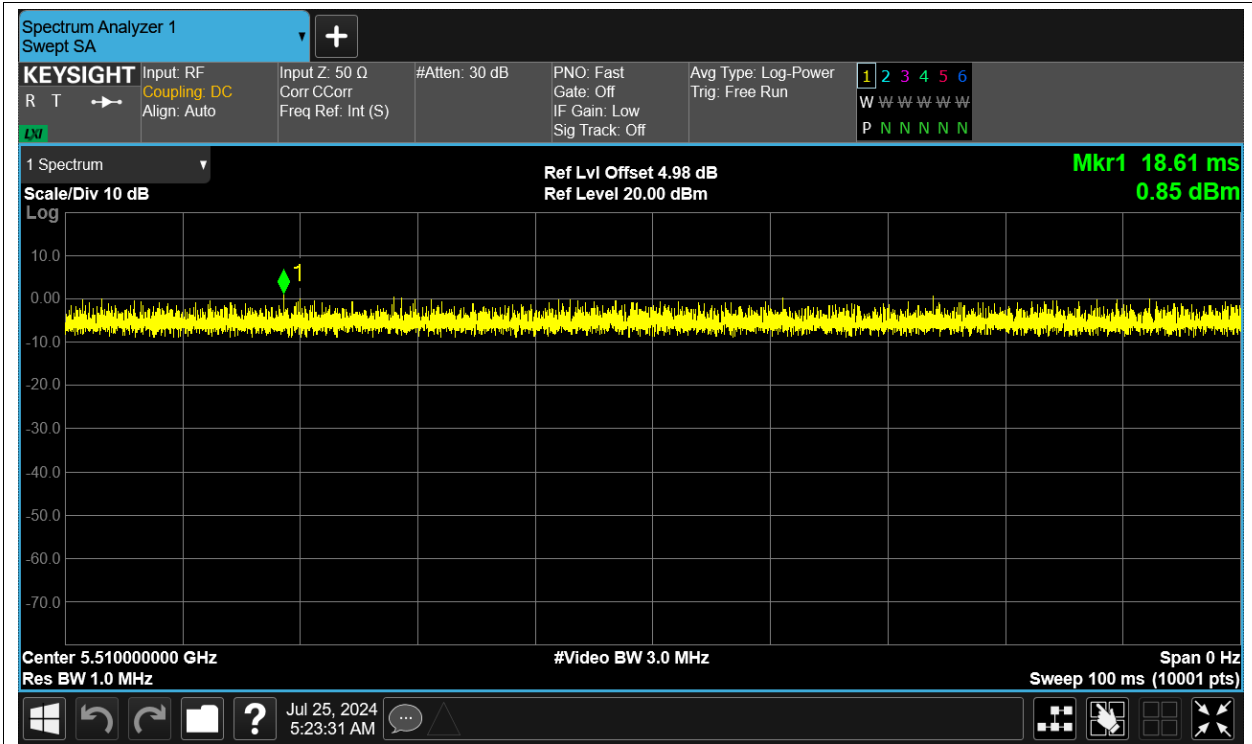
Duty Cycle NVNT n20 5600MHz Ant1



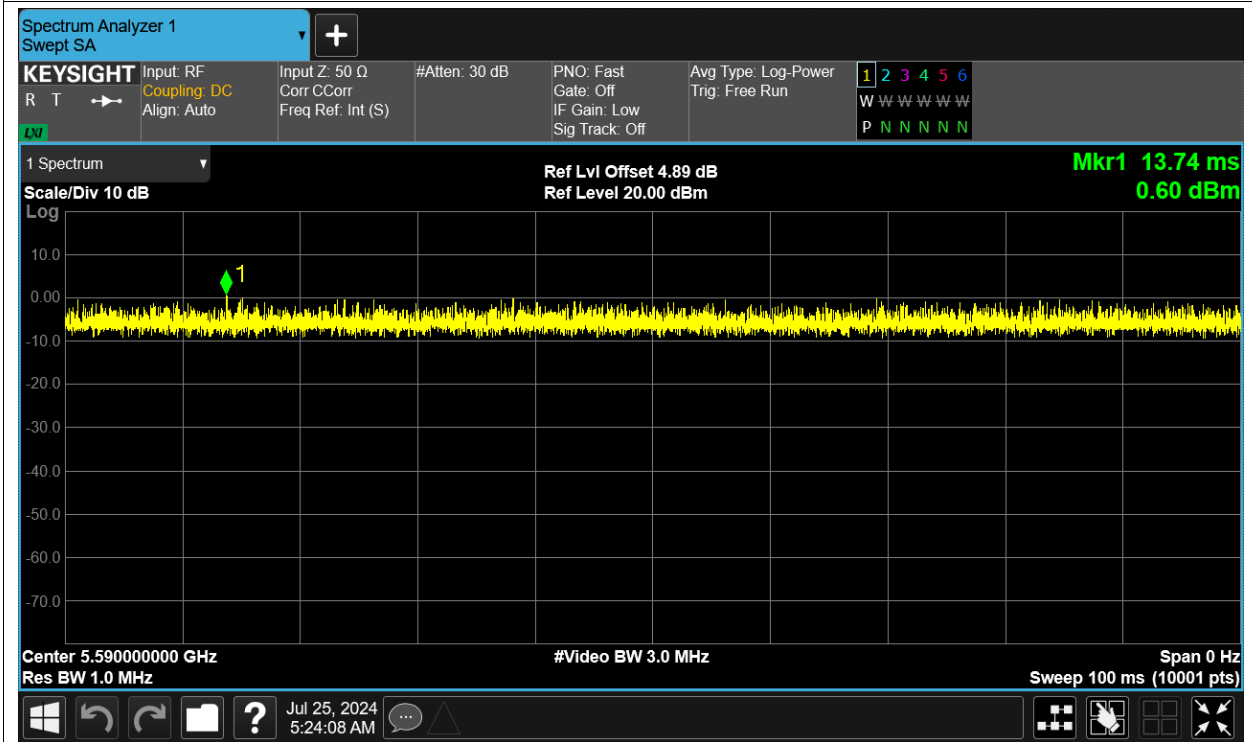
Duty Cycle NVNT n20 5700MHz Ant1



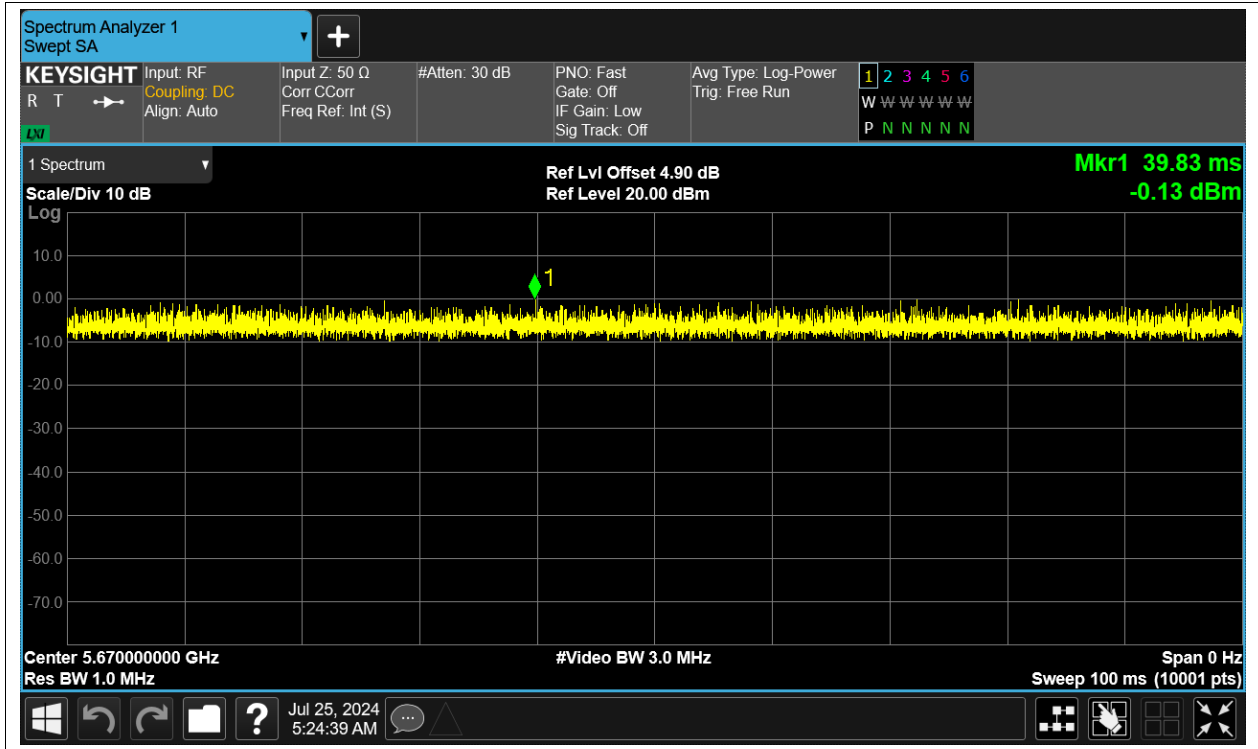
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



Maximum Conducted Output Power

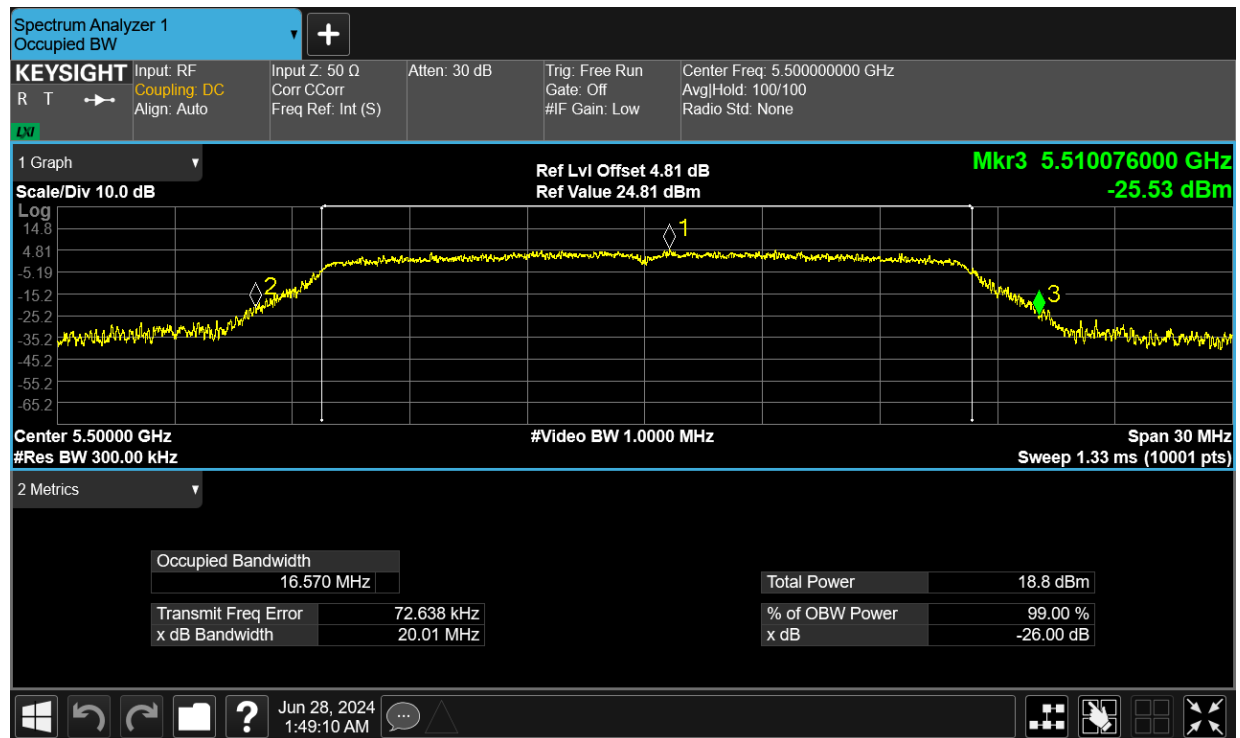
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	13.2	0	13.2	24	Pass
NVNT	a	5600	Ant1	13.53	0	13.53	24	Pass
NVNT	a	5700	Ant1	13.08	0	13.08	24	Pass
NVNT	ac20	5500	Ant1	11.61	0	11.61	24	Pass
NVNT	ac20	5600	Ant1	12.01	0	12.01	24	Pass
NVNT	ac20	5700	Ant1	11.69	0	11.69	24	Pass
NVNT	ac40	5510	Ant1	7.68	0	7.68	24	Pass
NVNT	ac40	5590	Ant1	7.79	0	7.79	24	Pass
NVNT	ac40	5670	Ant1	7.93	0	7.93	24	Pass
NVNT	ac80	5530	Ant1	7.69	0	7.69	24	Pass
NVNT	ac80	5610	Ant1	7.81	0	7.81	24	Pass
NVNT	n20	5500	Ant1	11.71	0	11.71	24	Pass
NVNT	n20	5600	Ant1	11.95	0	11.95	24	Pass
NVNT	n20	5700	Ant1	11.69	0	11.69	24	Pass
NVNT	n40	5510	Ant1	7.72	0	7.72	24	Pass
NVNT	n40	5590	Ant1	7.84	0	7.84	24	Pass
NVNT	n40	5670	Ant1	7.94	0	7.94	24	Pass

-26dB Bandwidth

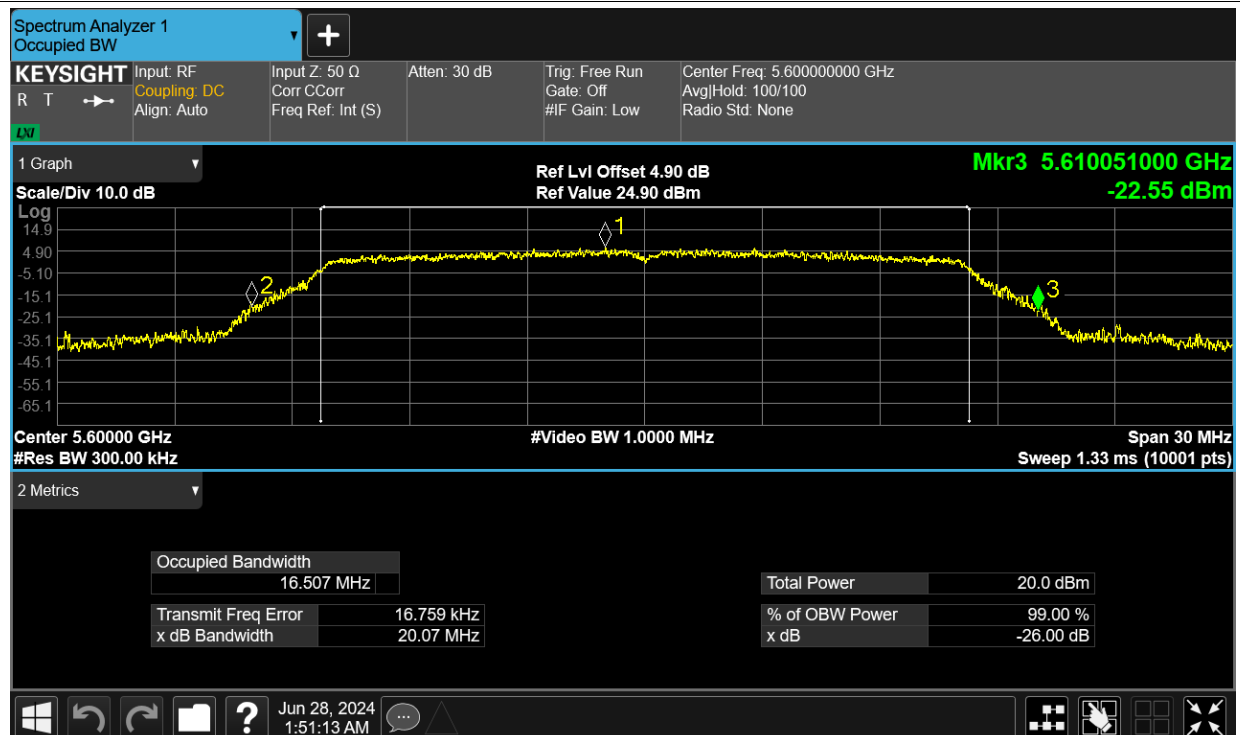
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	20.006
NVNT	a	5600	Ant1	20.068
NVNT	a	5700	Ant1	19.865
NVNT	ac20	5500	Ant1	20.379
NVNT	ac20	5600	Ant1	20.13
NVNT	ac20	5700	Ant1	20.255
NVNT	ac40	5510	Ant1	39.542
NVNT	ac40	5590	Ant1	39.794
NVNT	ac40	5670	Ant1	39.73
NVNT	ac80	5530	Ant1	79.386
NVNT	ac80	5610	Ant1	78.783
NVNT	n20	5500	Ant1	20.175
NVNT	n20	5600	Ant1	20.255
NVNT	n20	5700	Ant1	20.218
NVNT	n40	5510	Ant1	39.795
NVNT	n40	5590	Ant1	39.955
NVNT	n40	5670	Ant1	40.004

Test Graphs

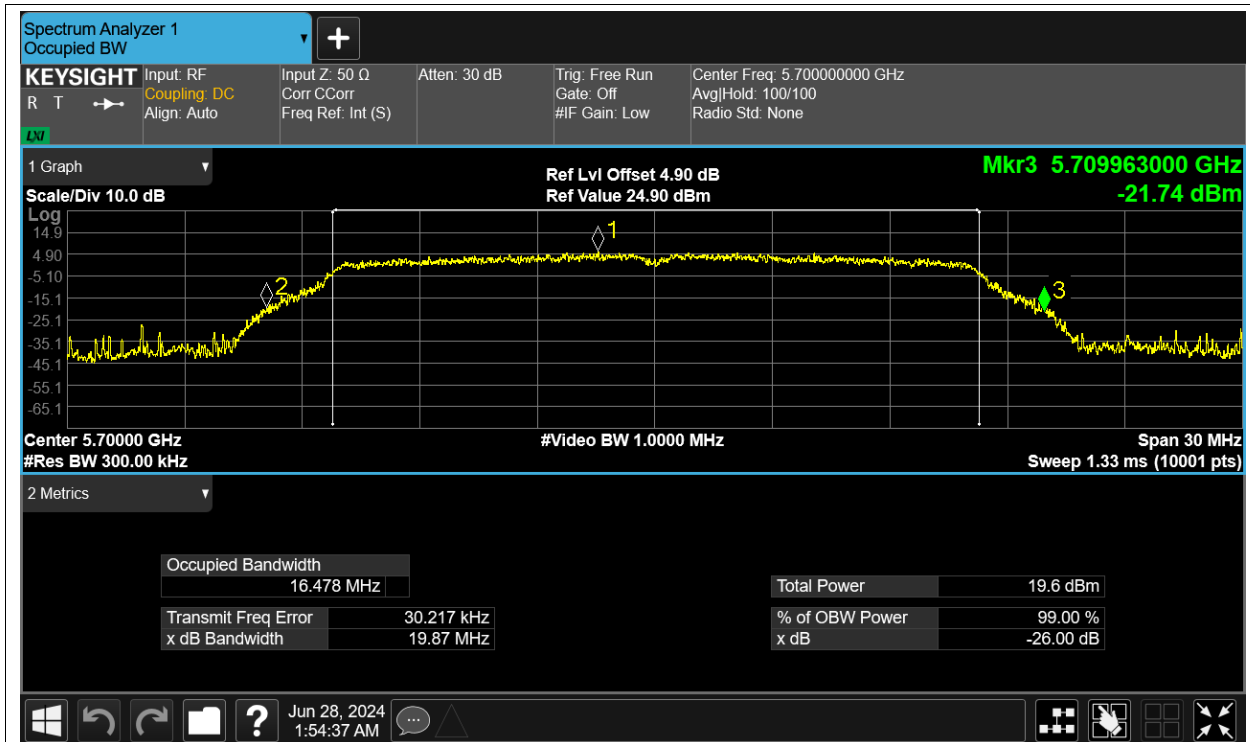
-26dB Bandwidth NVNT a 5500MHz Ant1



-26dB Bandwidth NVNT a 5600MHz Ant1



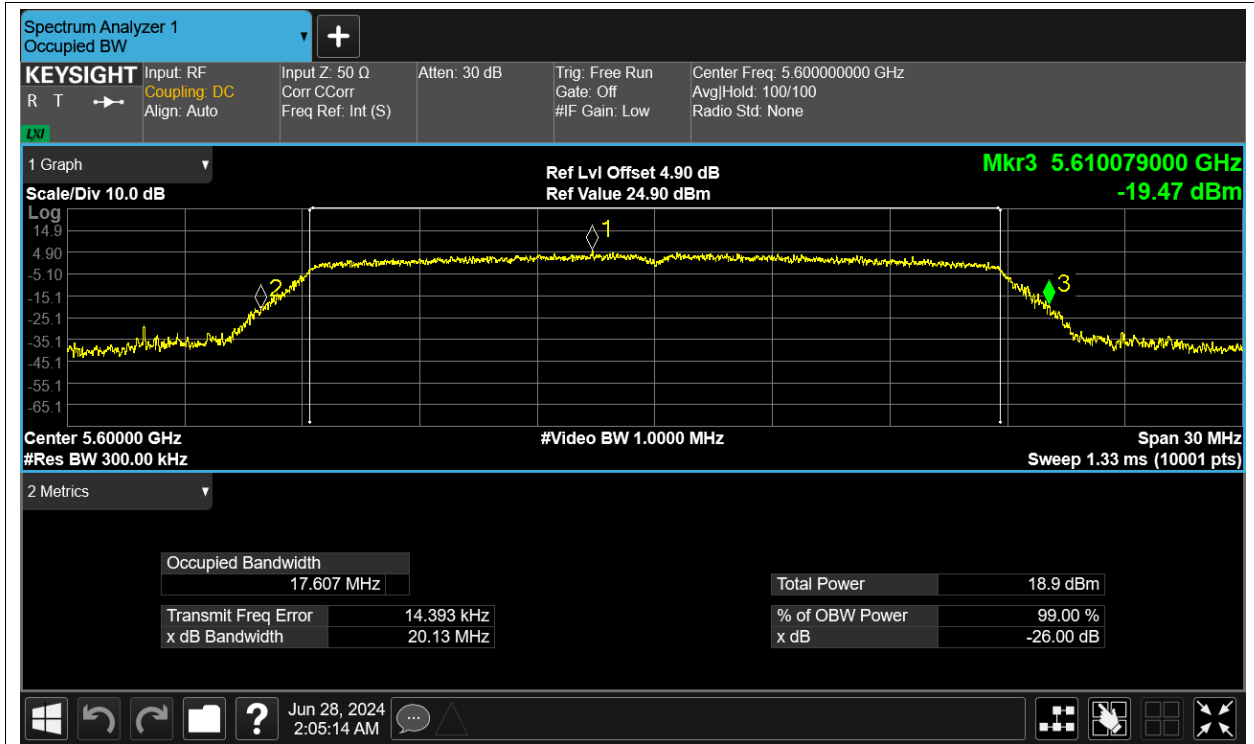
-26dB Bandwidth NVNT a 5700MHz Ant1



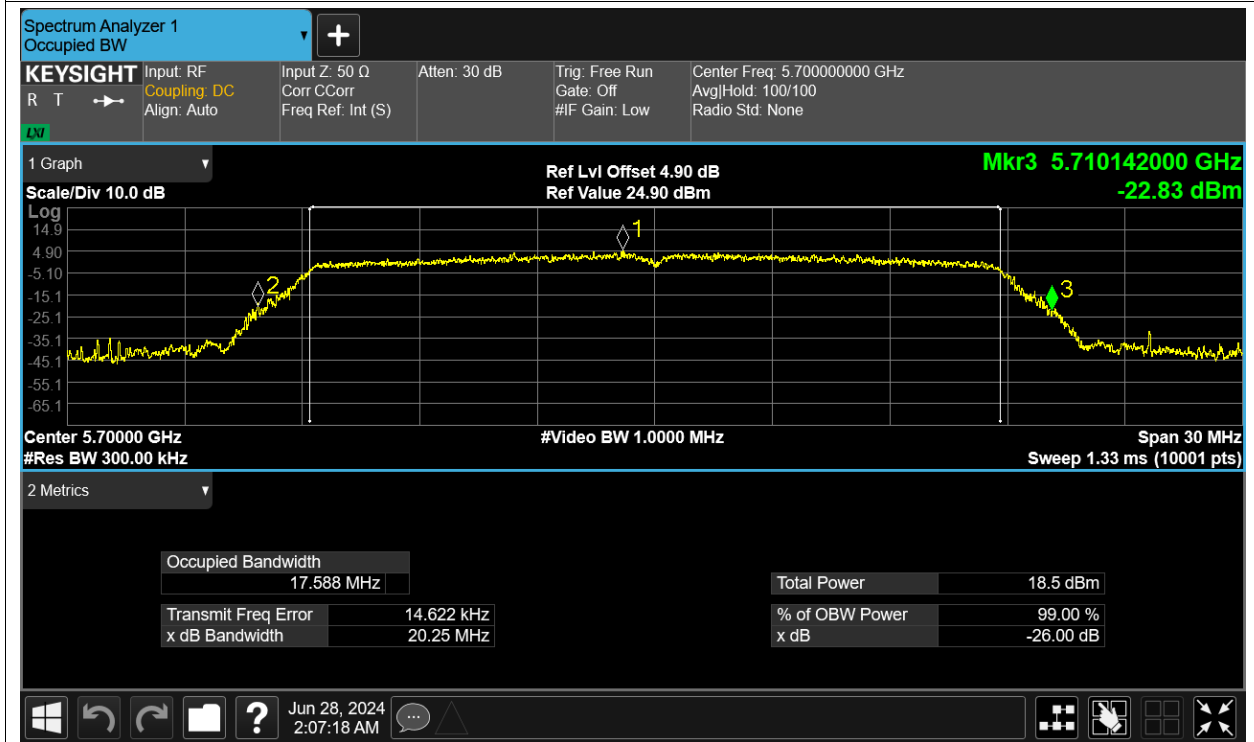
-26dB Bandwidth NVNT ac20 5500MHz Ant1



-26dB Bandwidth NVNT ac20 5600MHz Ant1



-26dB Bandwidth NVNT ac20 5700MHz Ant1



-26dB Bandwidth NVNT ac40 5510MHz Ant1



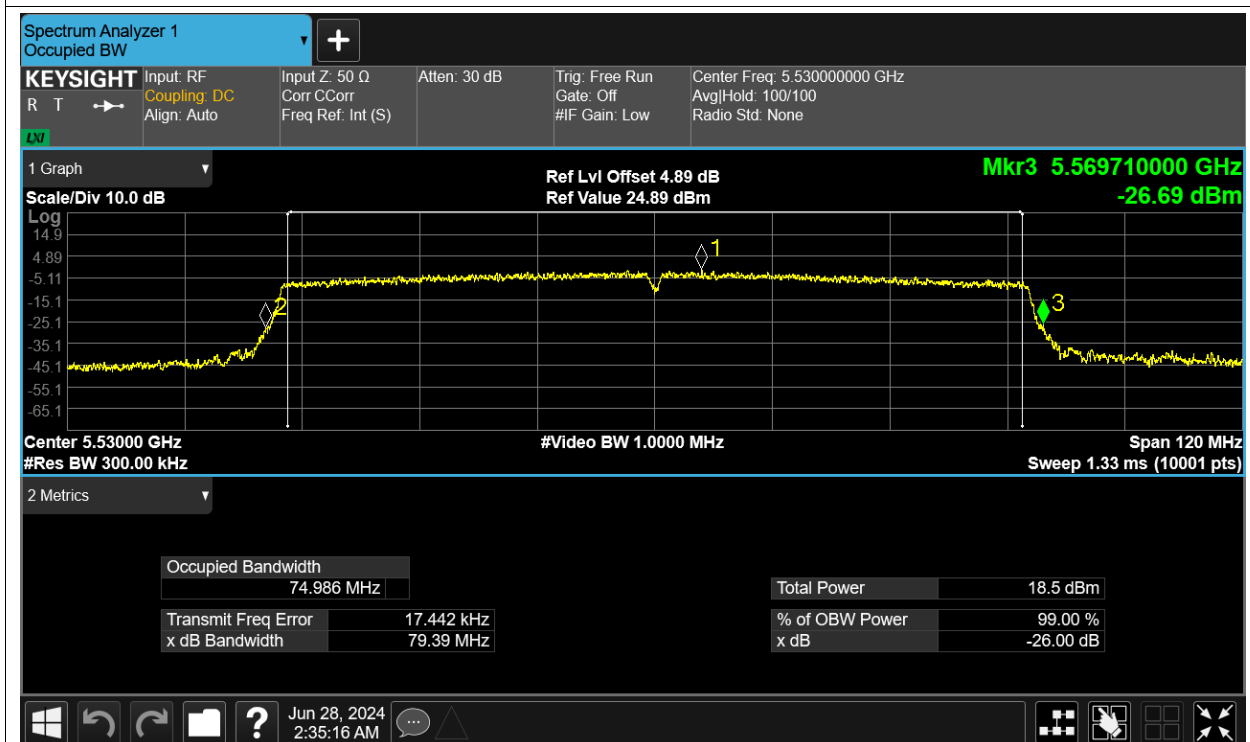
-26dB Bandwidth NVNT ac40 5590MHz Ant1



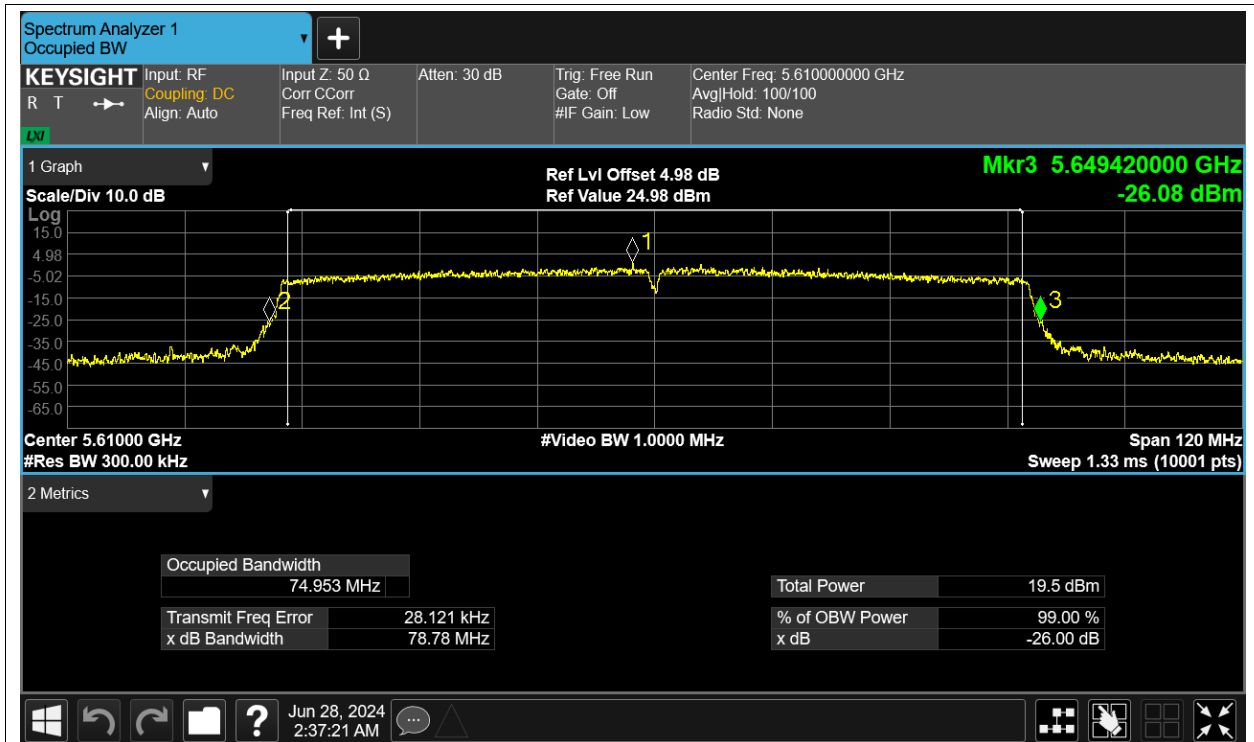
-26dB Bandwidth NVNT ac40 5670MHz Ant1



-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

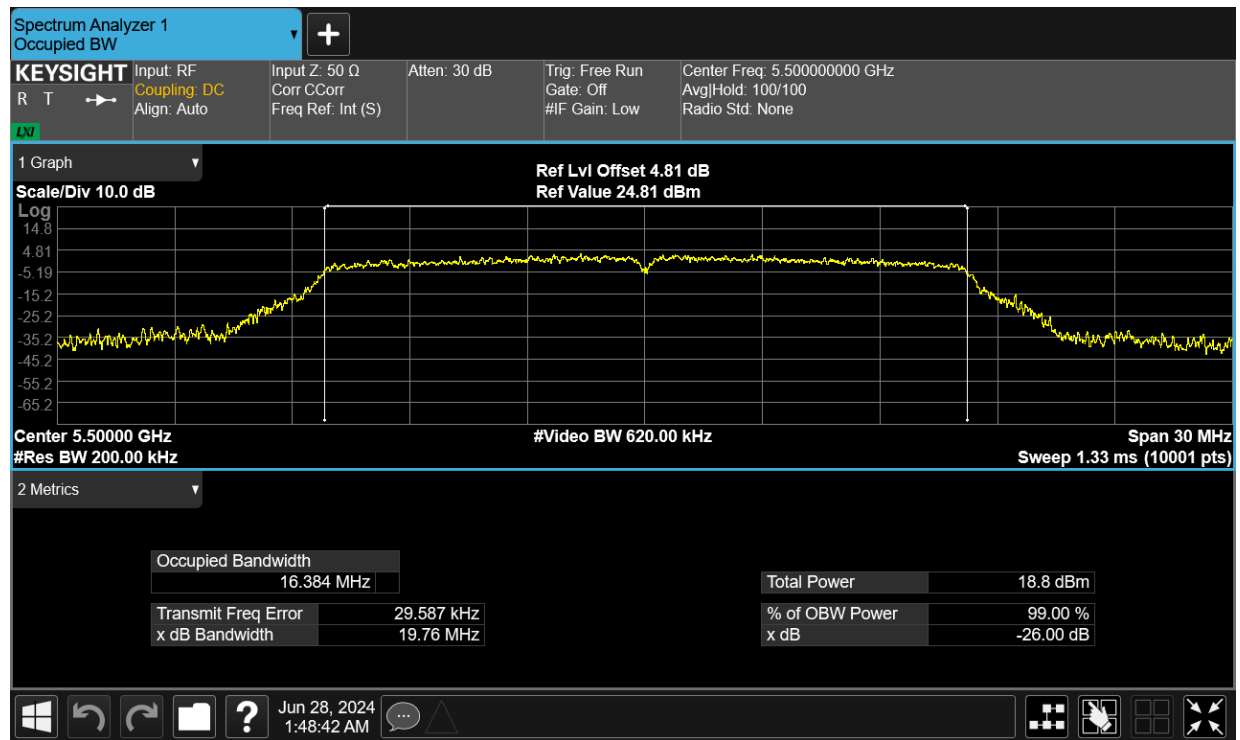


Occupied Channel Bandwidth

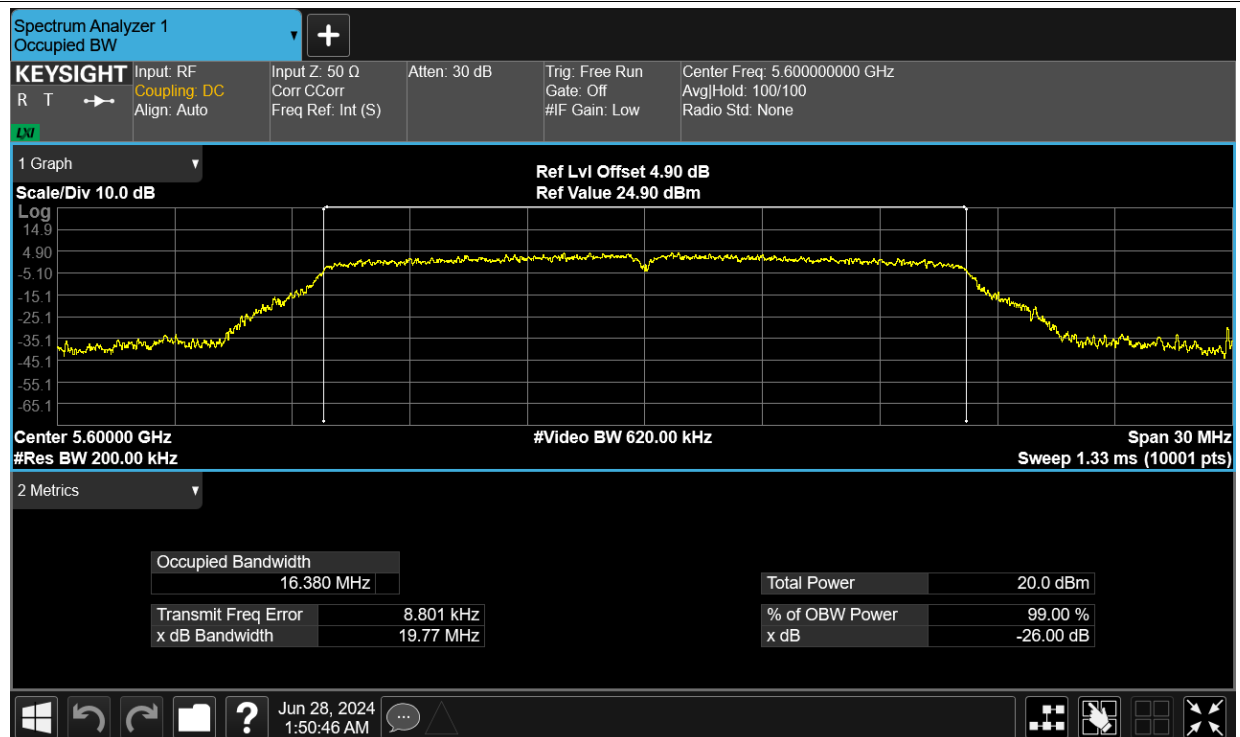
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.384
NVNT	a	5600	Ant1	16.38
NVNT	a	5700	Ant1	16.394
NVNT	ac20	5500	Ant1	17.545
NVNT	ac20	5600	Ant1	17.529
NVNT	ac20	5700	Ant1	17.55
NVNT	ac40	5510	Ant1	35.876
NVNT	ac40	5590	Ant1	35.911
NVNT	ac40	5670	Ant1	35.959
NVNT	ac80	5530	Ant1	74.972
NVNT	ac80	5610	Ant1	75.011
NVNT	n20	5500	Ant1	17.531
NVNT	n20	5600	Ant1	17.594
NVNT	n20	5700	Ant1	17.551
NVNT	n40	5510	Ant1	35.891
NVNT	n40	5590	Ant1	35.895
NVNT	n40	5670	Ant1	35.936

Test Graphs

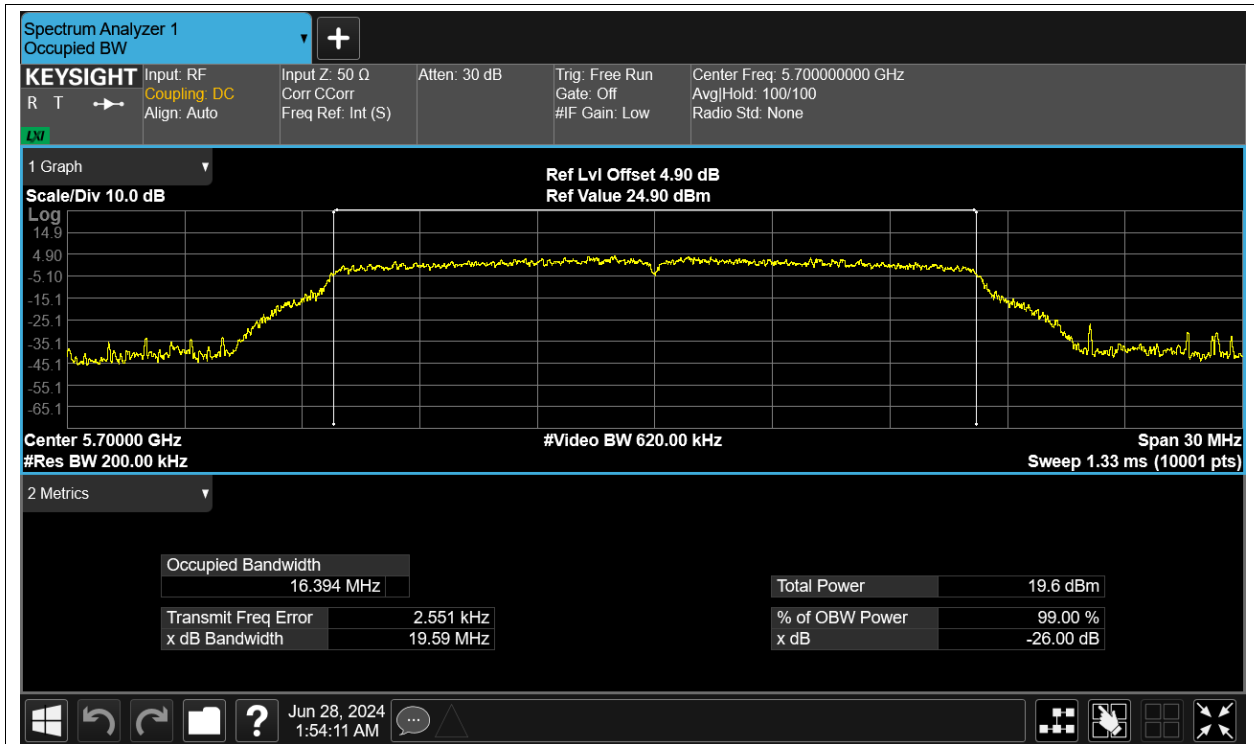
OBW NVNT a 5500MHz Ant1



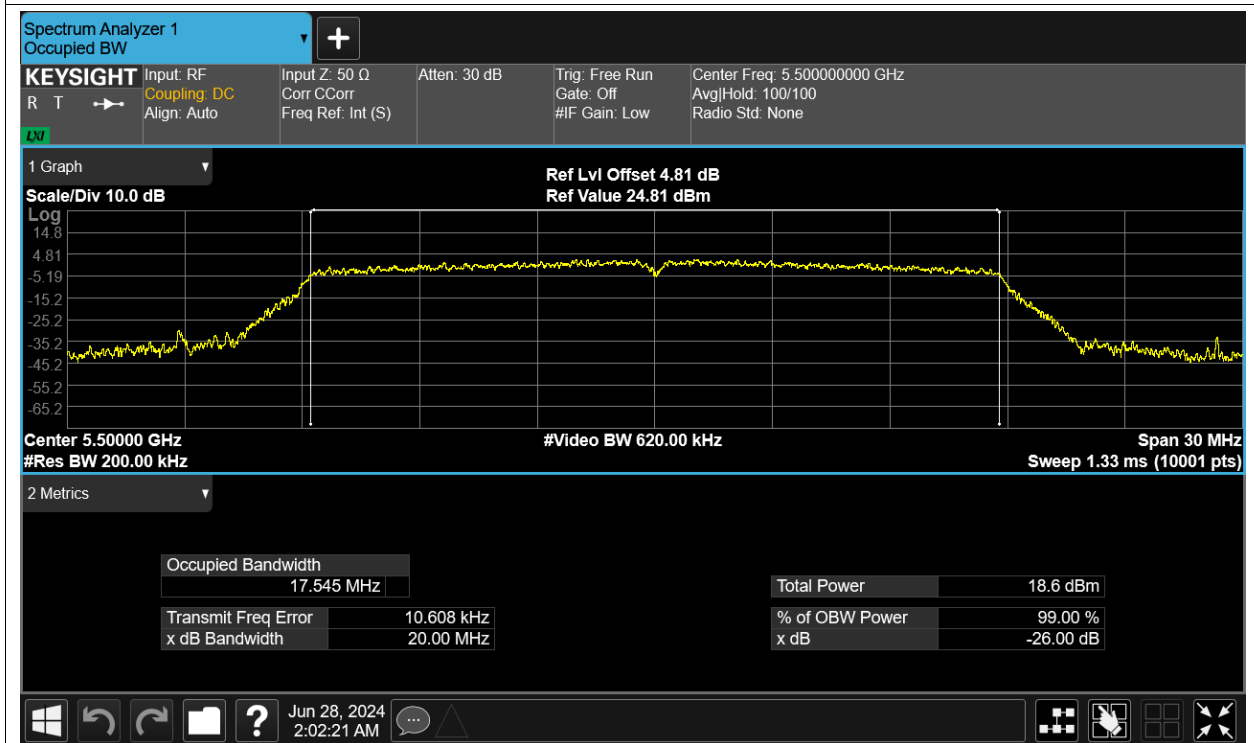
OBW NVNT a 5600MHz Ant1



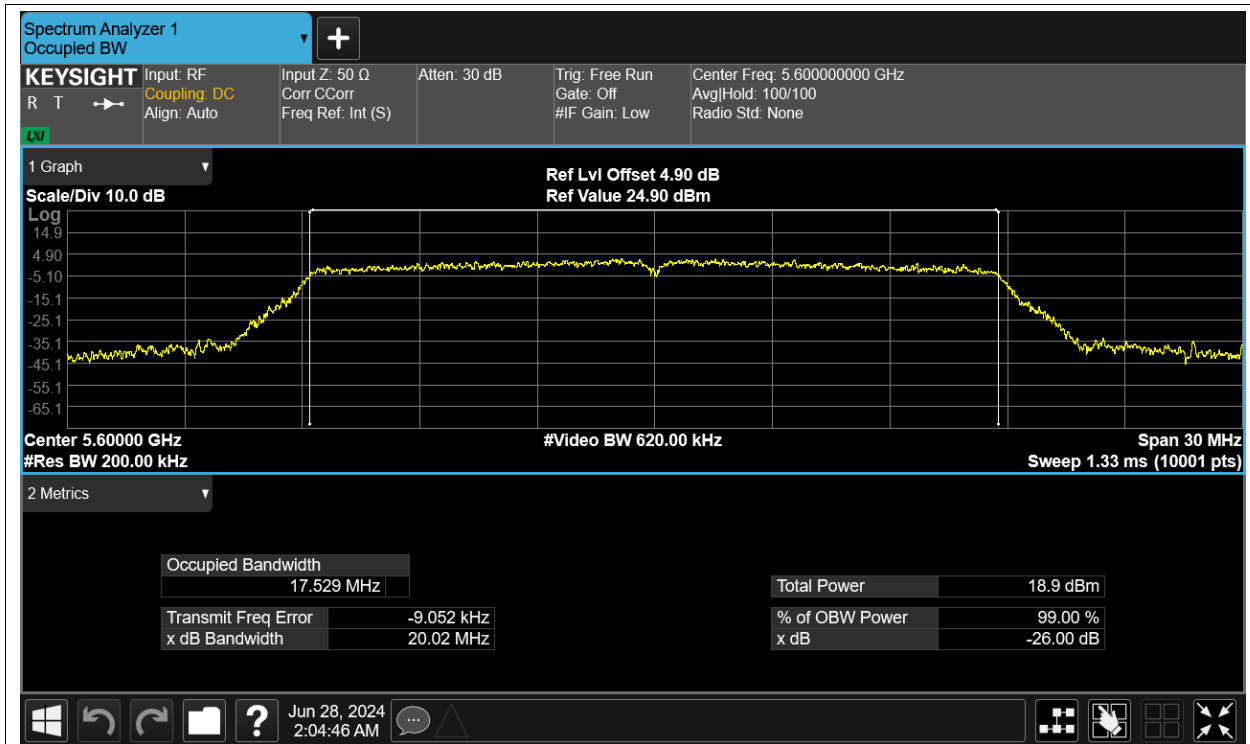
OBW NVNT a 5700MHz Ant1



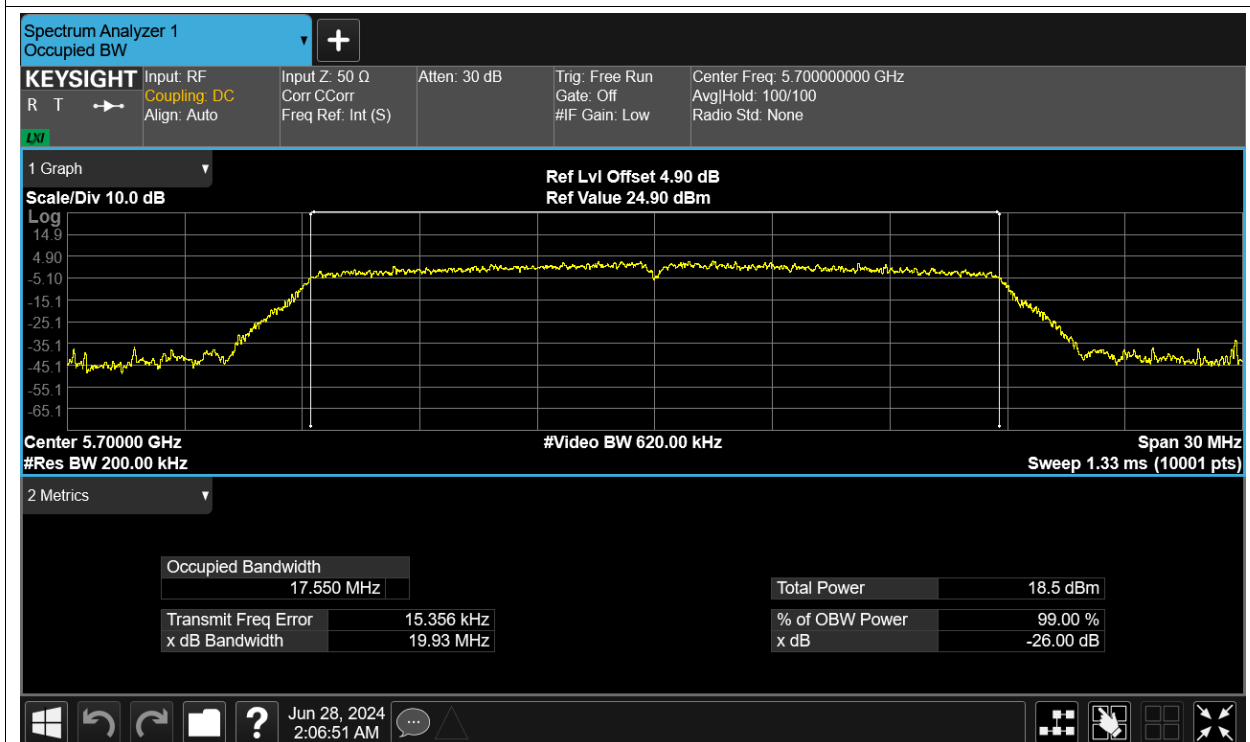
OBW NVNT ac20 5500MHz Ant1



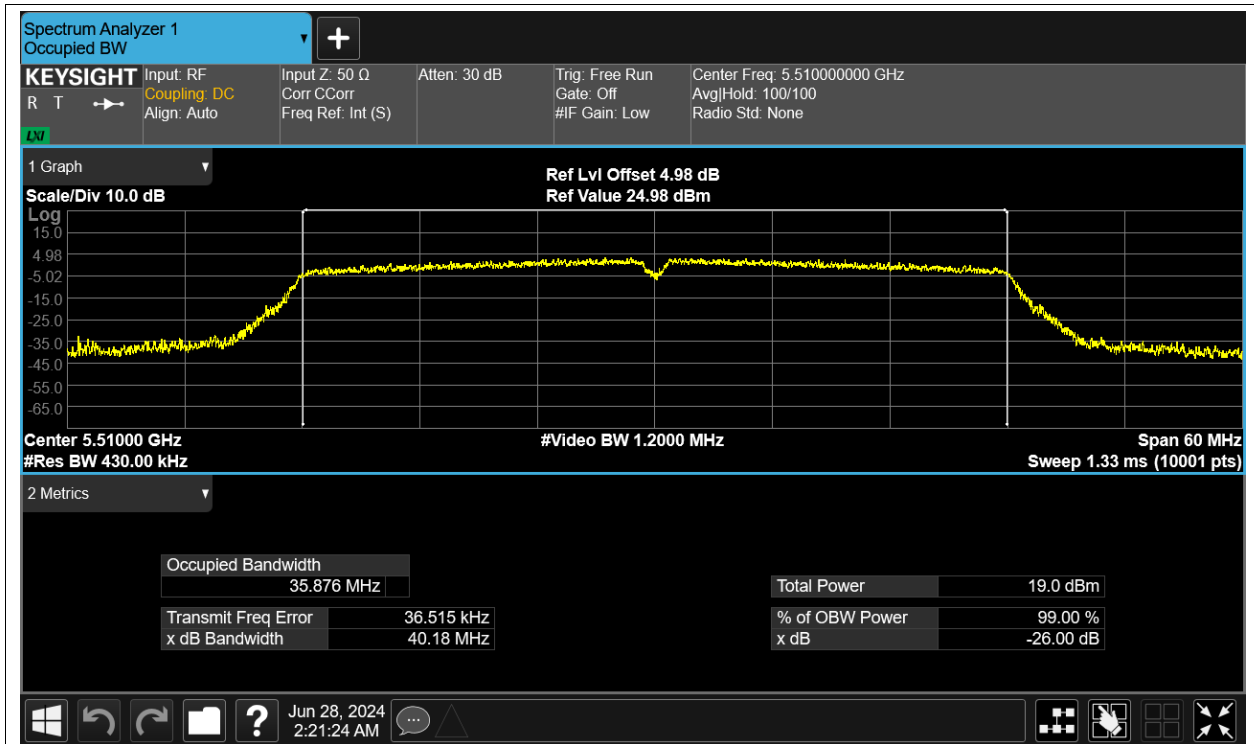
OBW NVNT ac20 5600MHz Ant1



OBW NVNT ac20 5700MHz Ant1



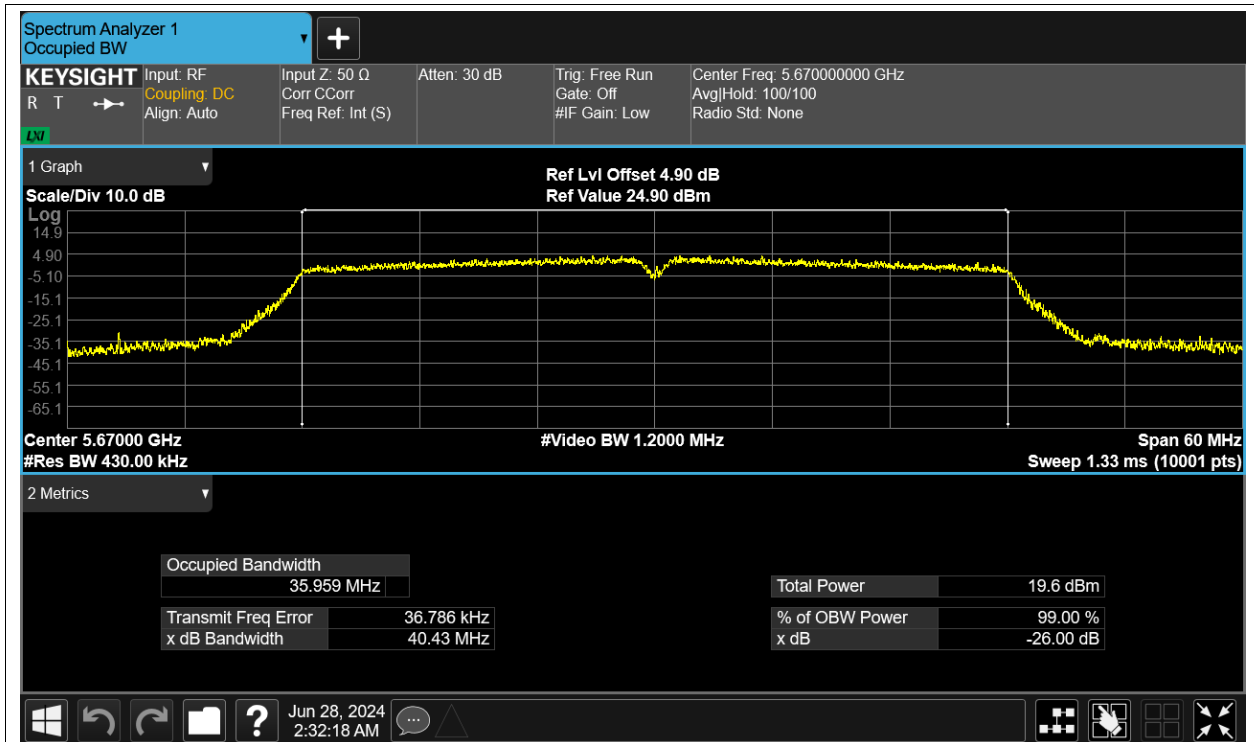
OBW NVNT ac40 5510MHz Ant1



OBW NVNT ac40 5590MHz Ant1



OBW NVNT ac40 5670MHz Ant1



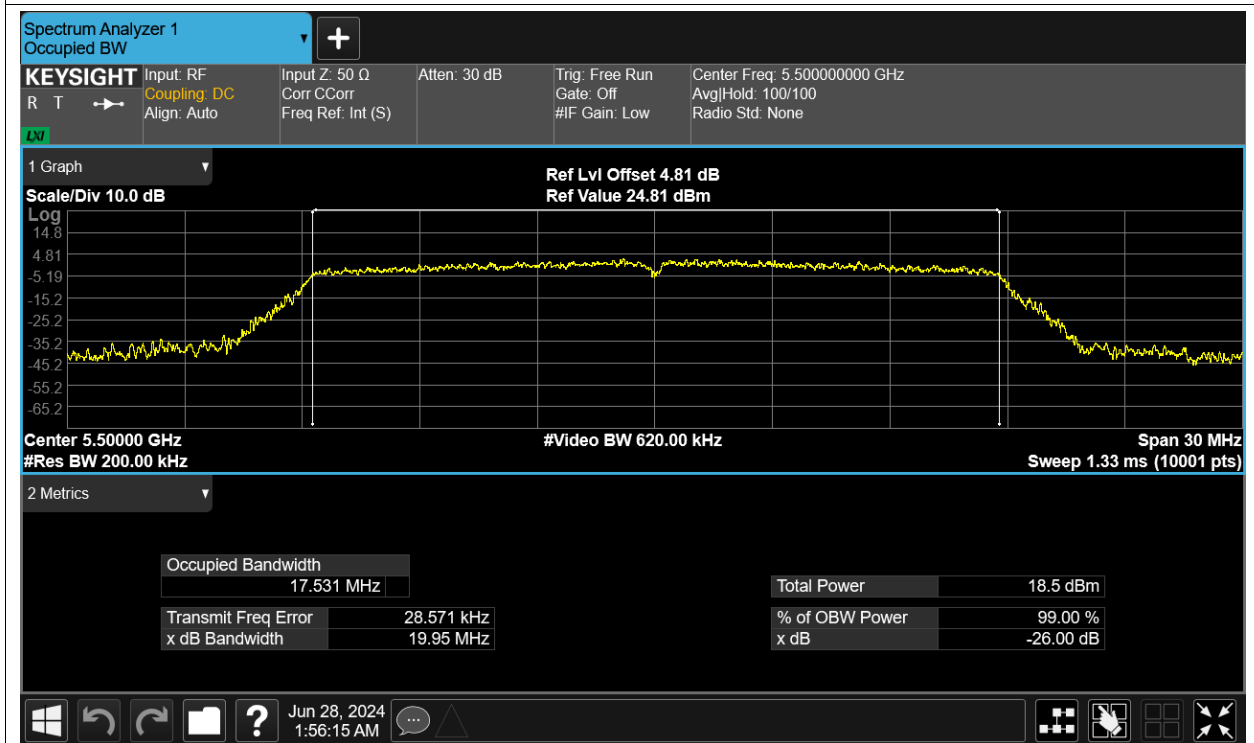
OBW NVNT ac80 5530MHz Ant1



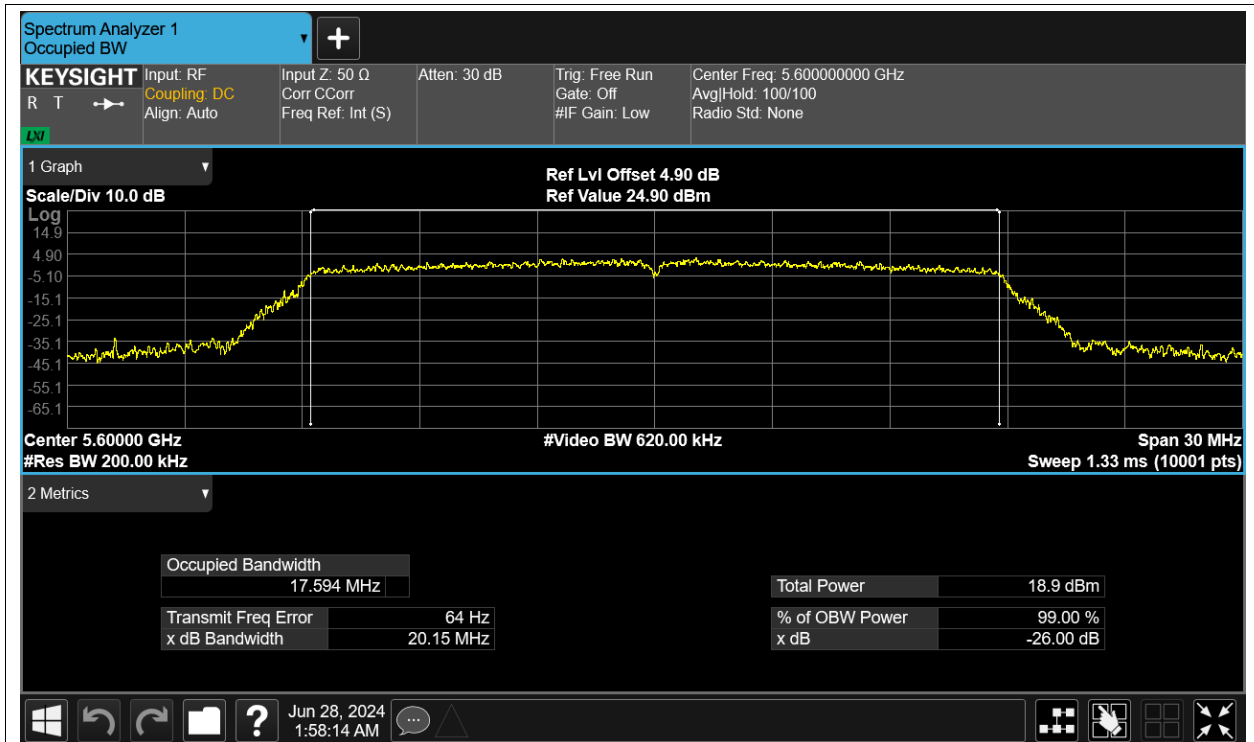
OBW NVNT ac80 5610MHz Ant1



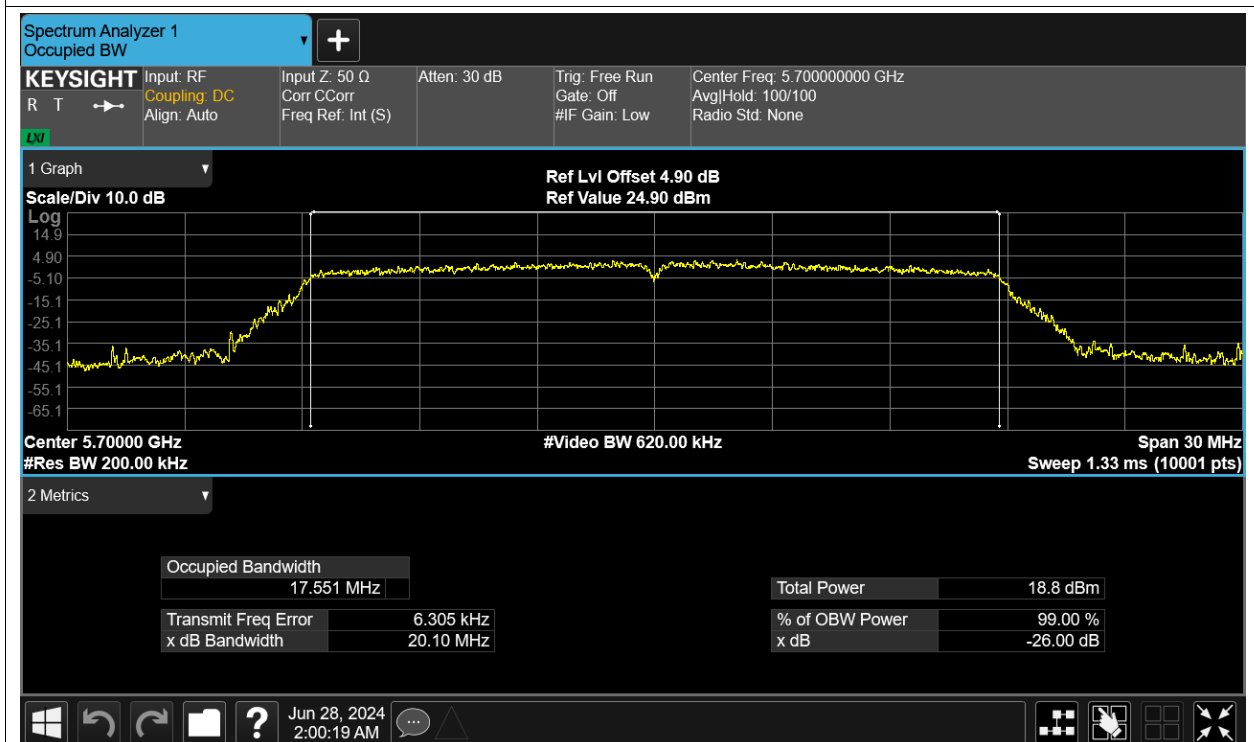
OBW NVNT n20 5500MHz Ant1



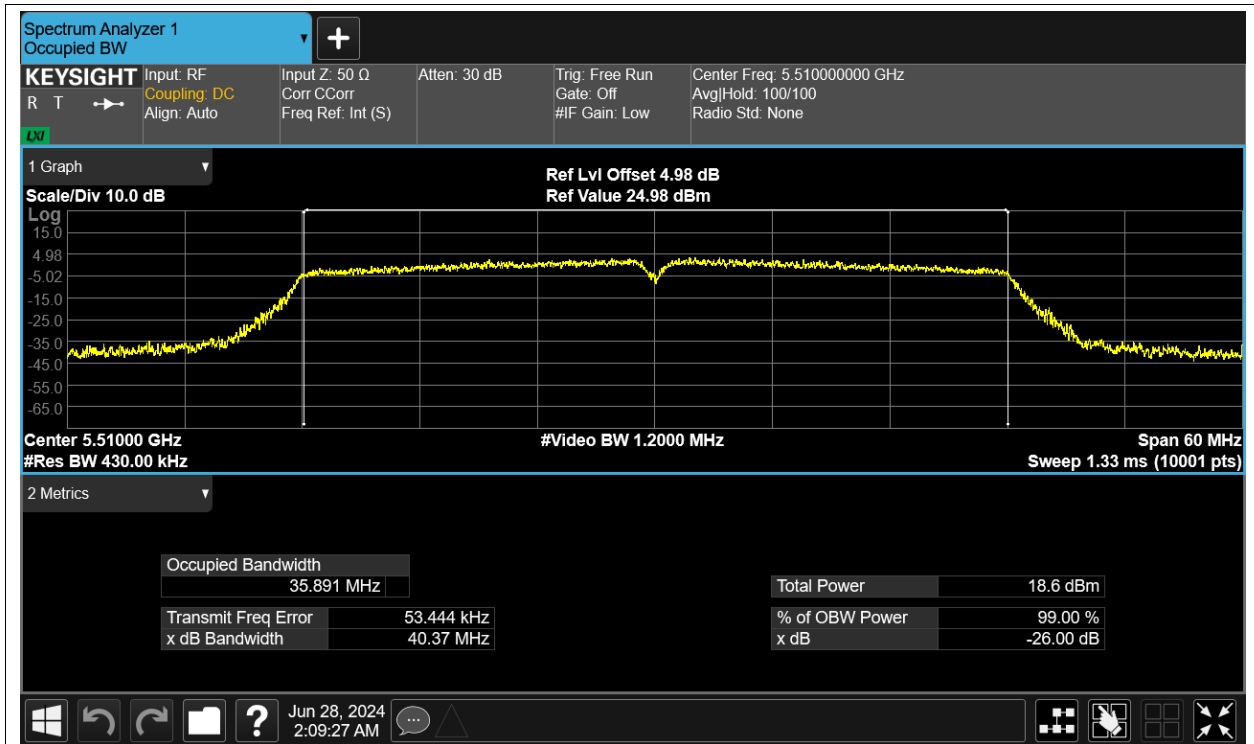
OBW NVNT n20 5600MHz Ant1



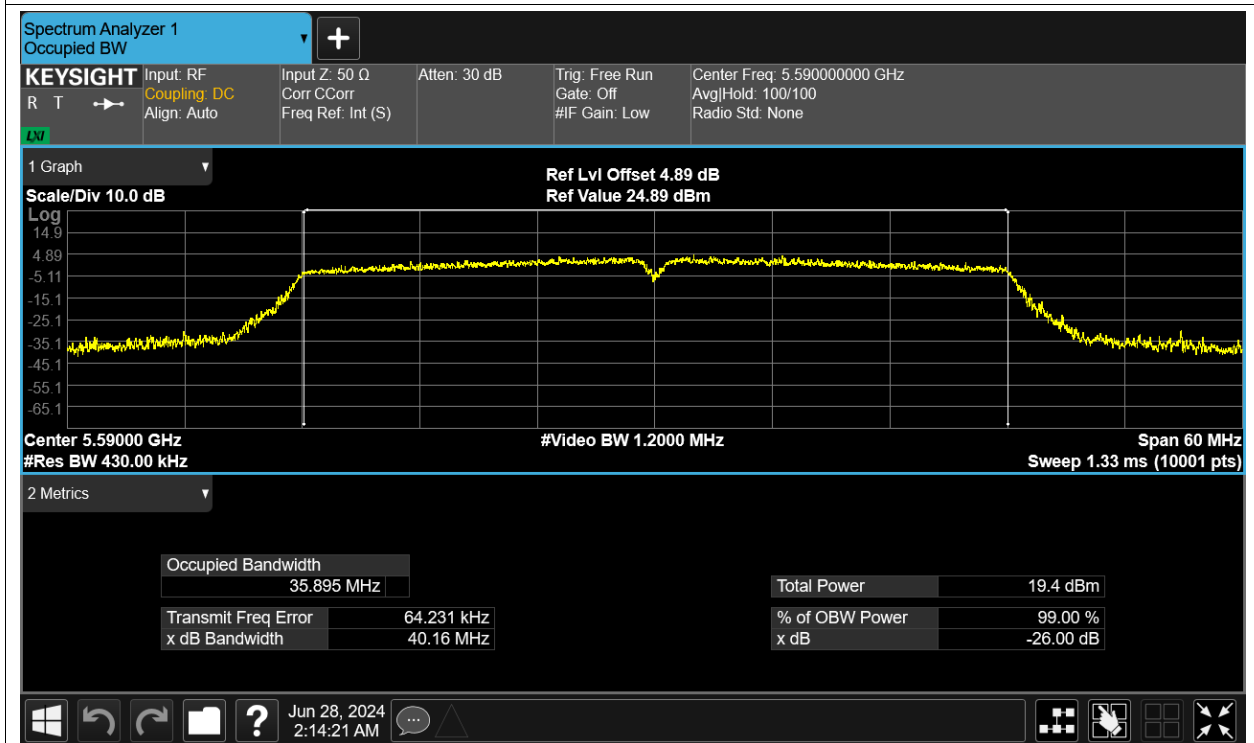
OBW NVNT n20 5700MHz Ant1



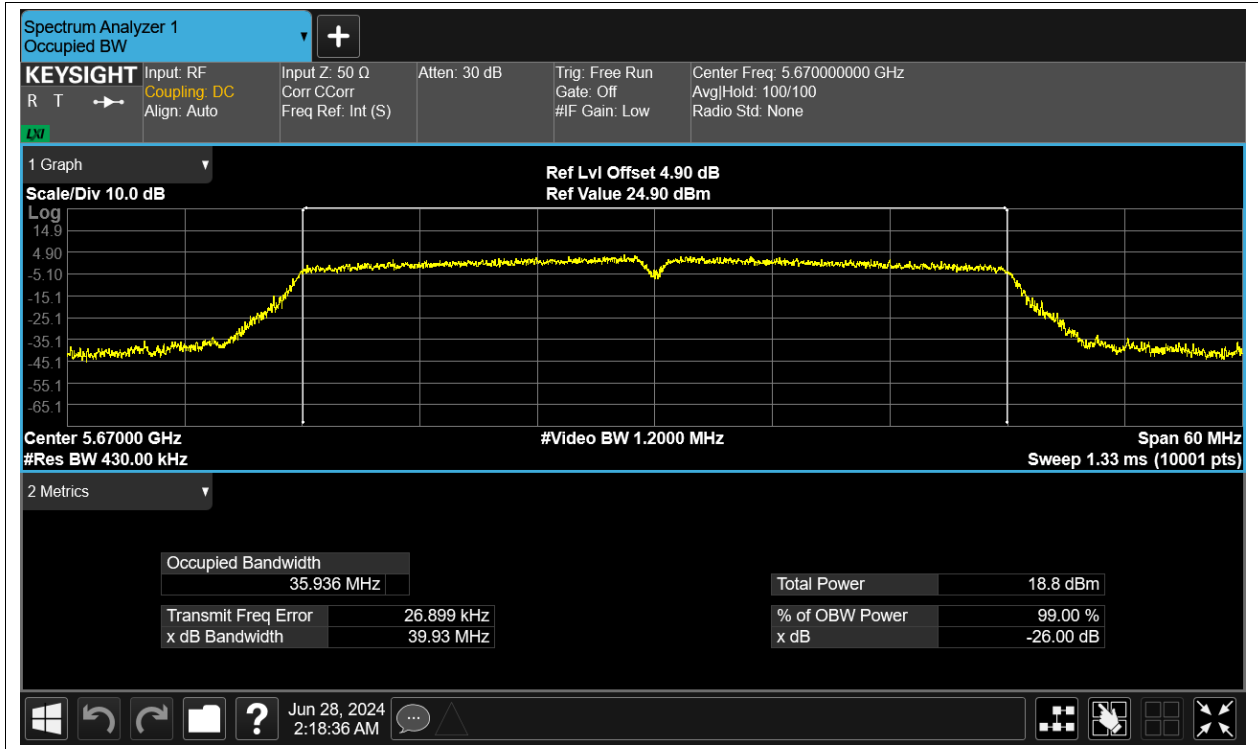
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1



Maximum Power Spectral Density Level

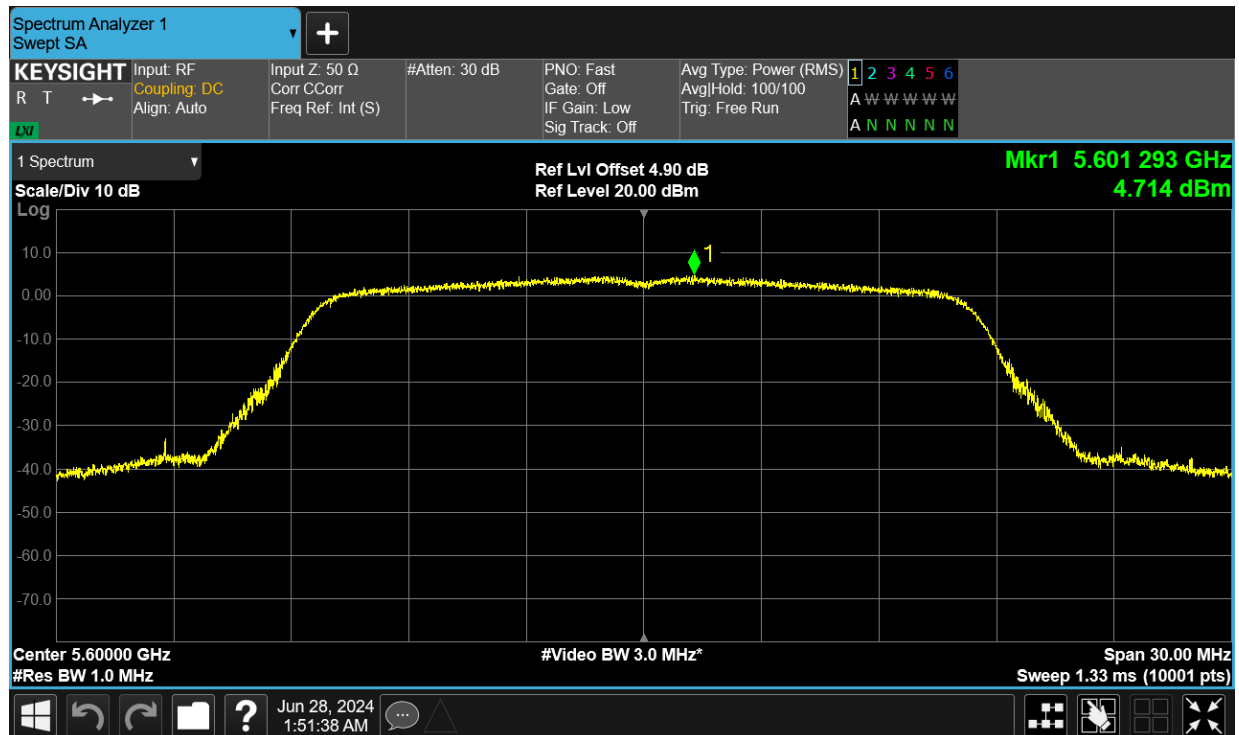
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	3.7	11	Pass
NVNT	a	5600	Ant1	4.714	11	Pass
NVNT	a	5700	Ant1	4.376	11	Pass
NVNT	ac20	5500	Ant1	3.137	11	Pass
NVNT	ac20	5600	Ant1	3.668	11	Pass
NVNT	ac20	5700	Ant1	3.027	11	Pass
NVNT	ac40	5510	Ant1	0.8	11	Pass
NVNT	ac40	5590	Ant1	0.913	11	Pass
NVNT	ac40	5670	Ant1	0.963	11	Pass
NVNT	ac80	5530	Ant1	-3.025	11	Pass
NVNT	ac80	5610	Ant1	-2.145	11	Pass
NVNT	n20	5500	Ant1	3.156	11	Pass
NVNT	n20	5600	Ant1	3.617	11	Pass
NVNT	n20	5700	Ant1	3.563	11	Pass
NVNT	n40	5510	Ant1	0.183	11	Pass
NVNT	n40	5590	Ant1	1.256	11	Pass
NVNT	n40	5667	Ant1	0.145	11	Pass

Test Graphs

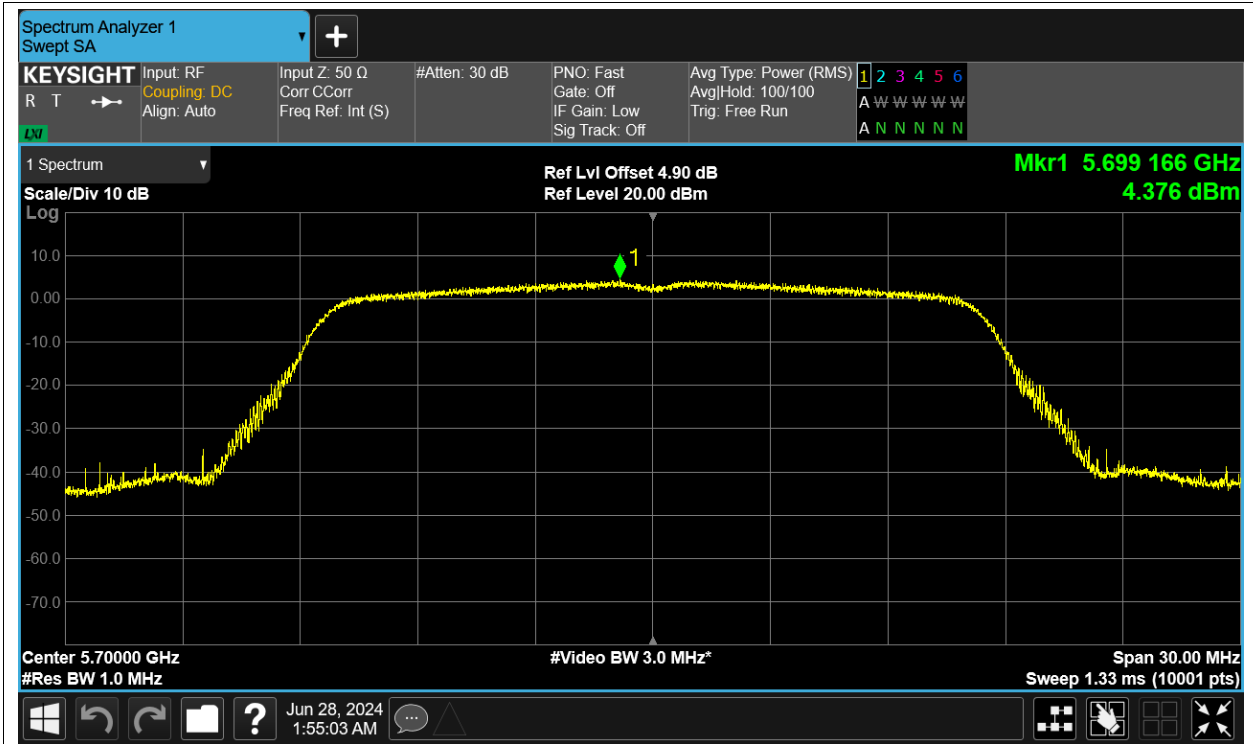
PSD NVNT a 5500MHz Ant1



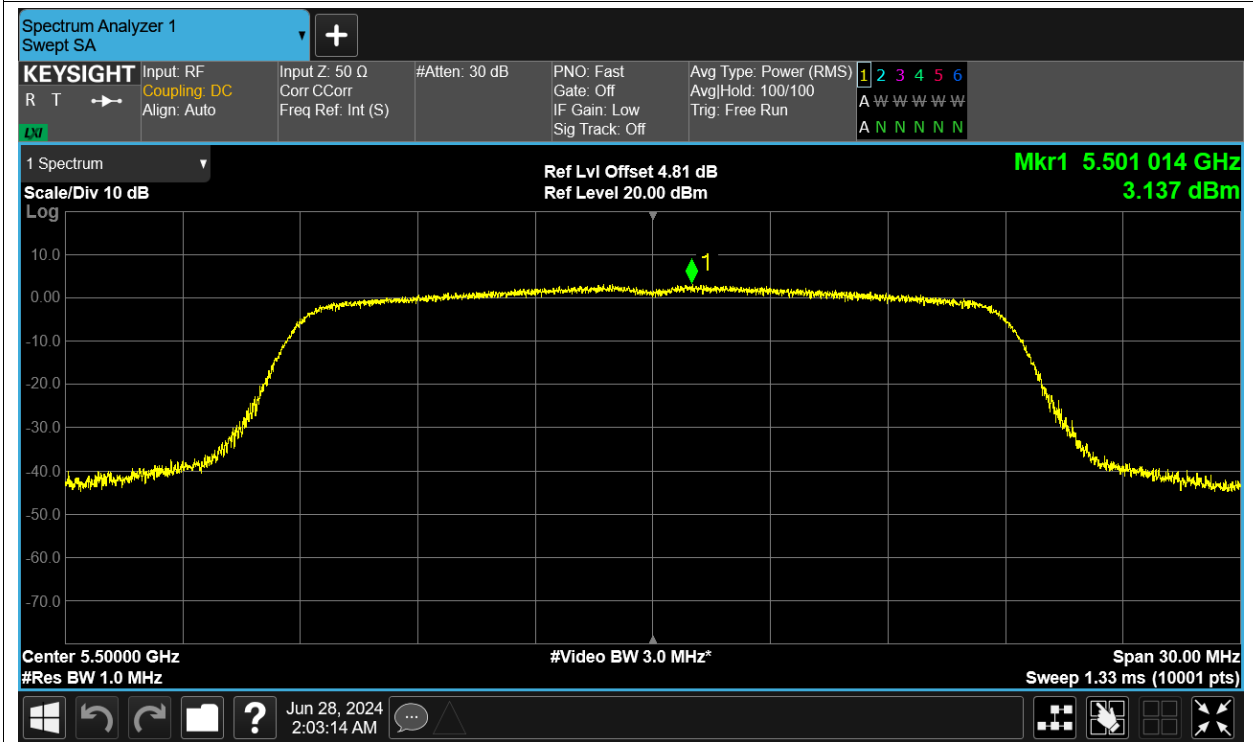
PSD NVNT a 5600MHz Ant1



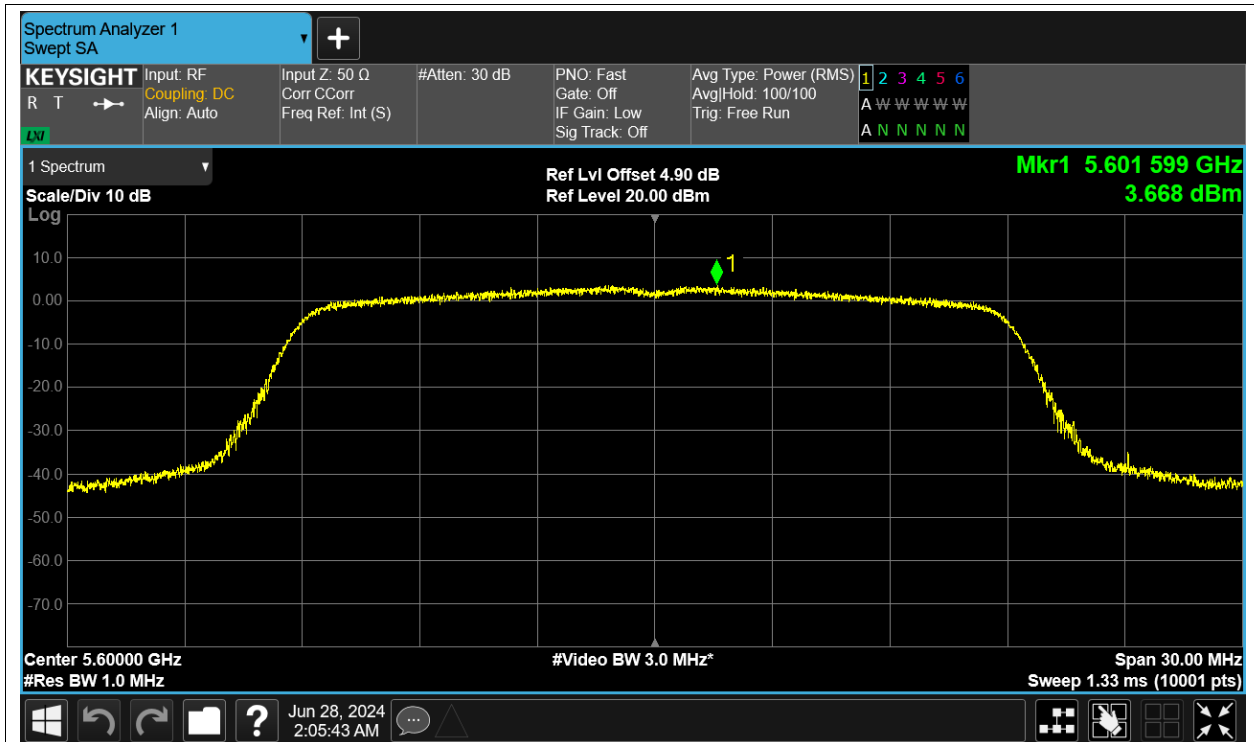
PSD NVNT a 5700MHz Ant1



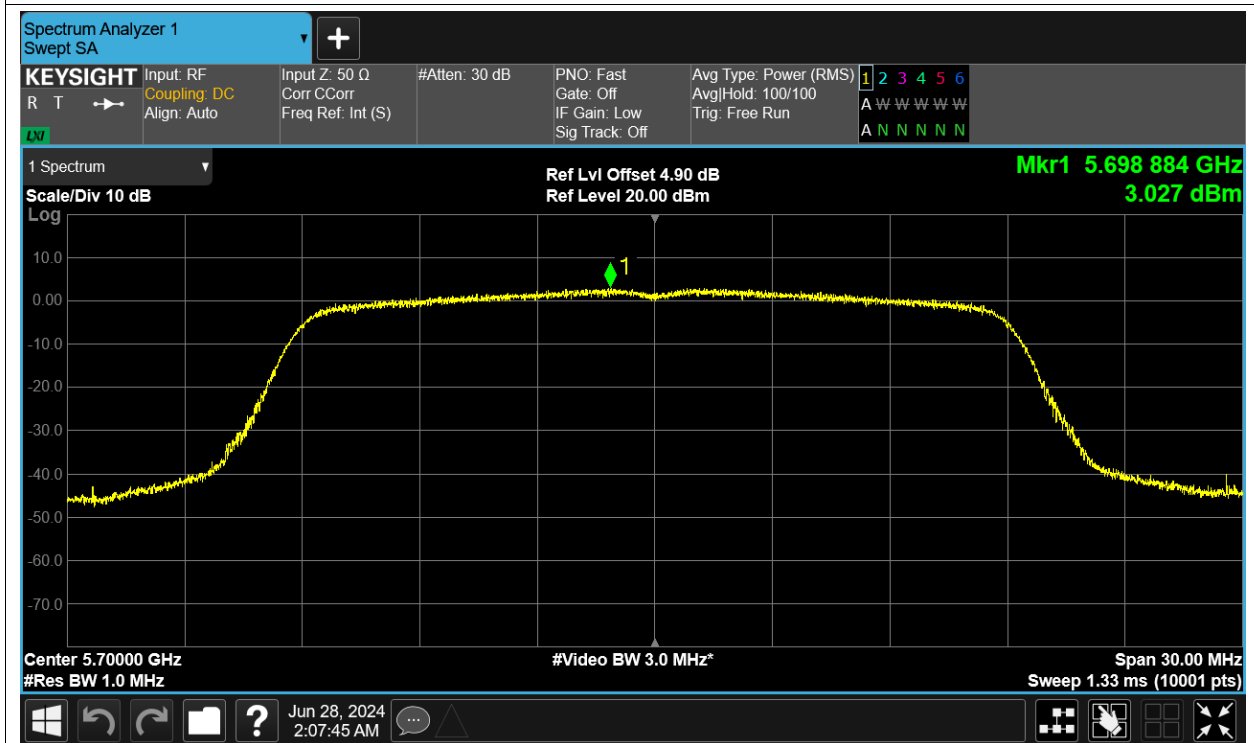
PSD NVNT ac20 5500MHz Ant1



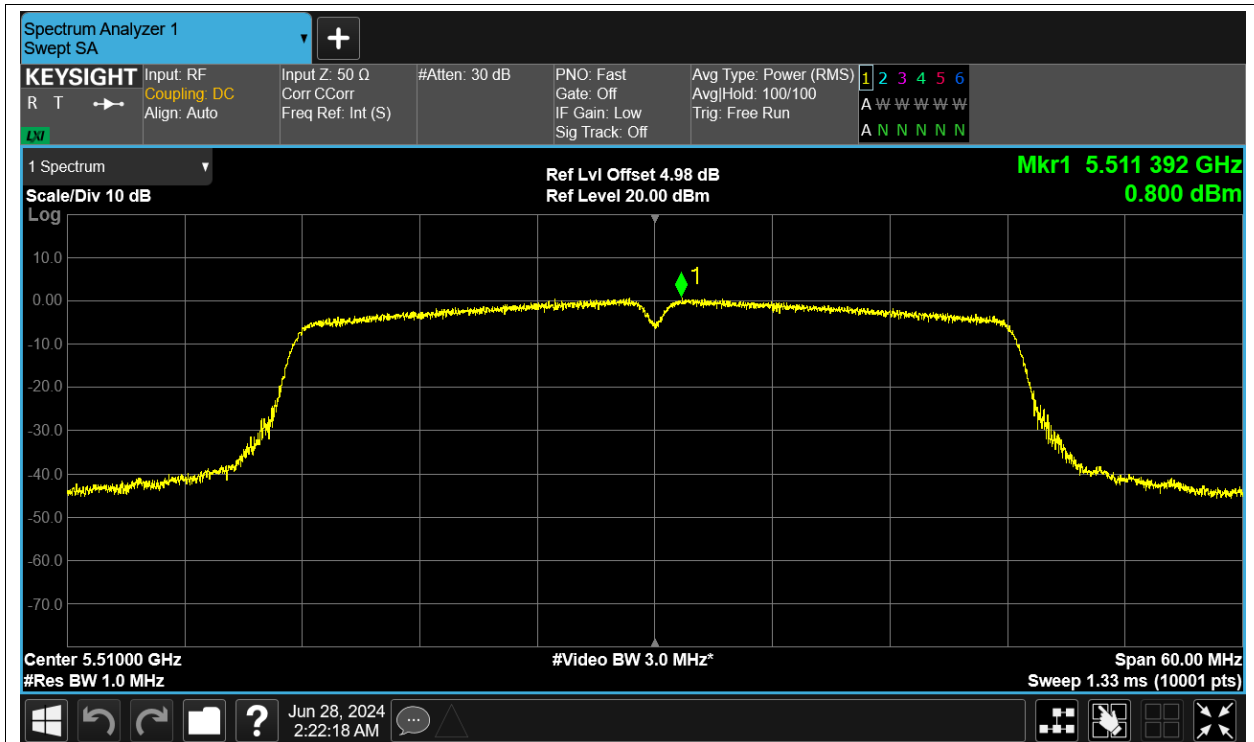
PSD NVNT ac20 5600MHz Ant1



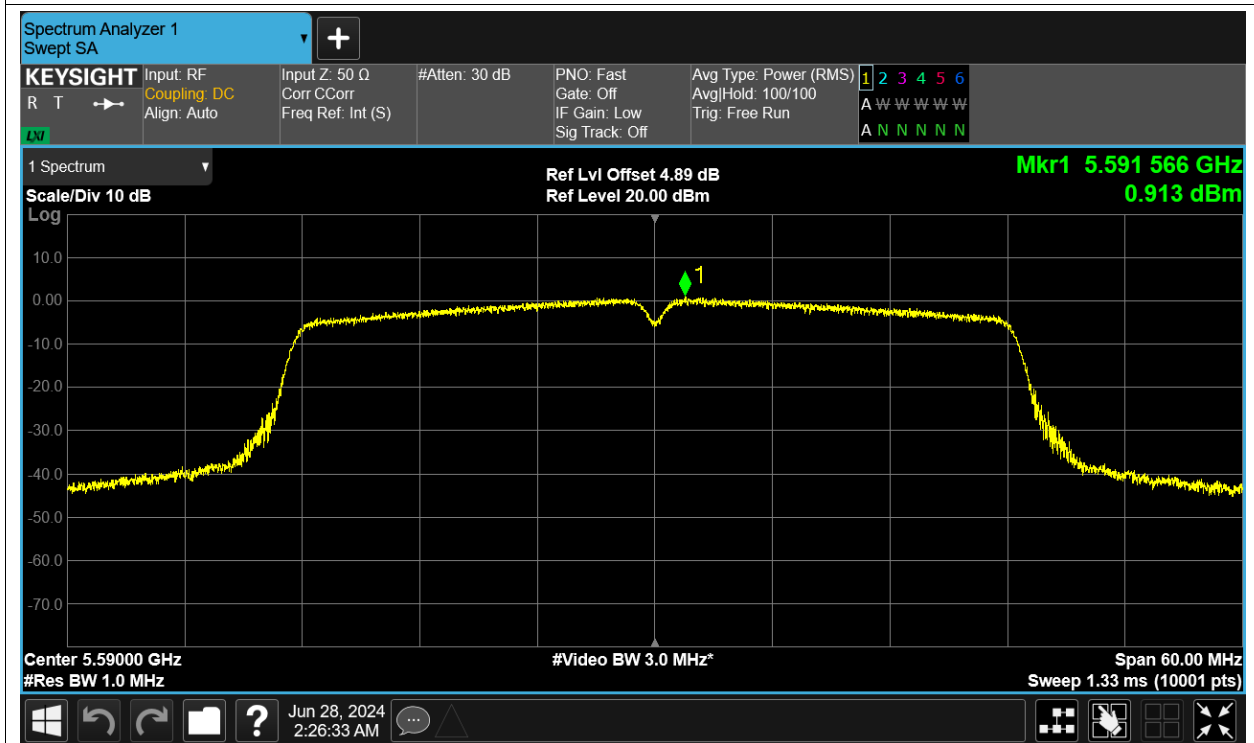
PSD NVNT ac20 5700MHz Ant1



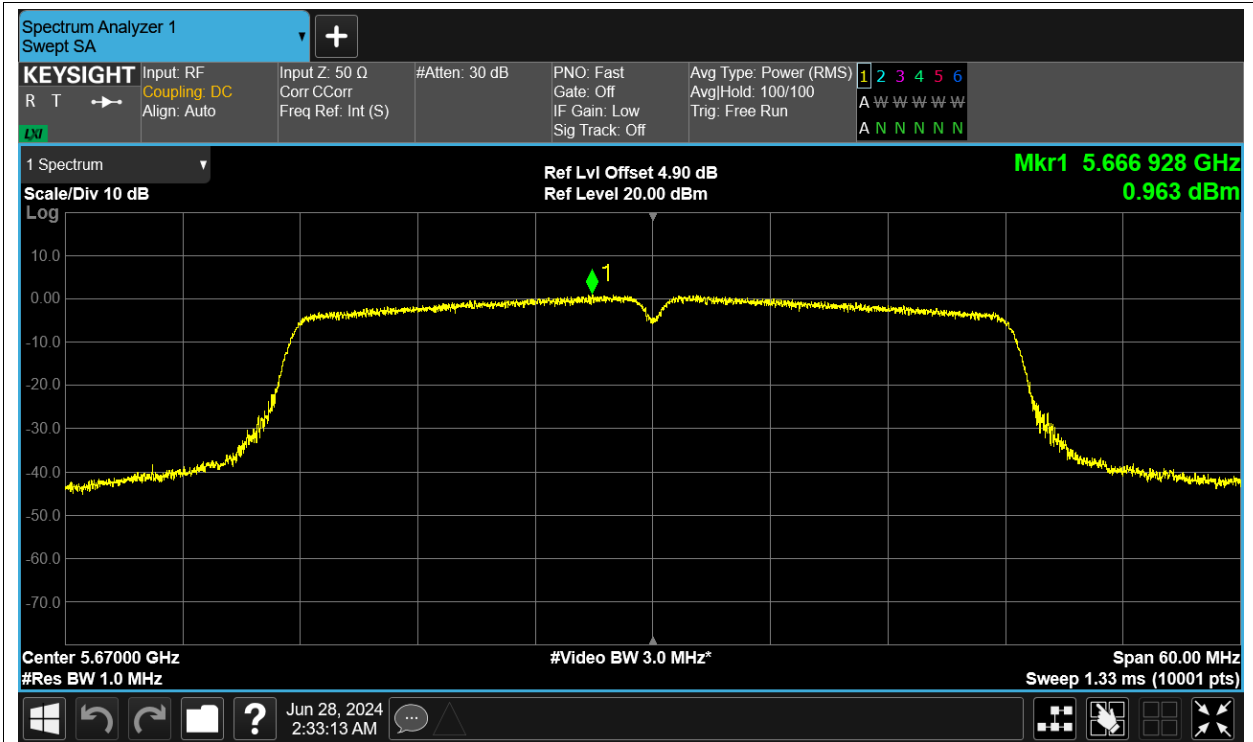
PSD NVNT ac40 5510MHz Ant1



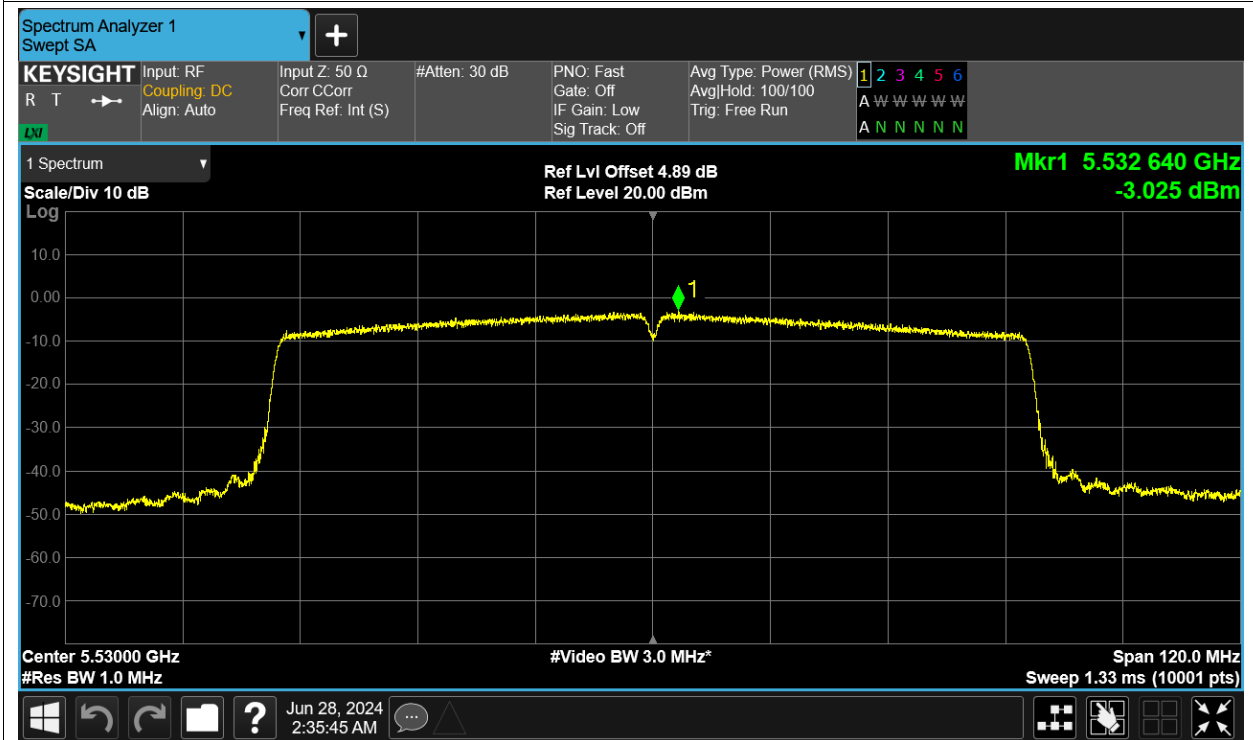
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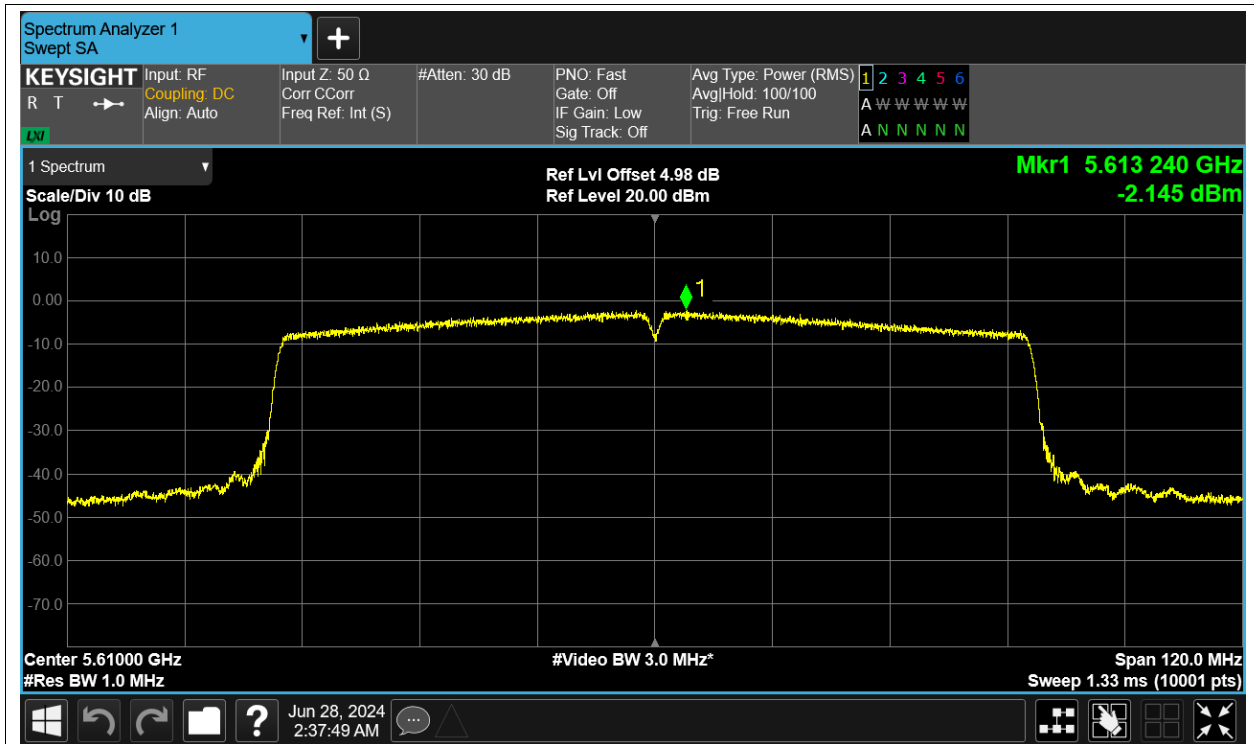
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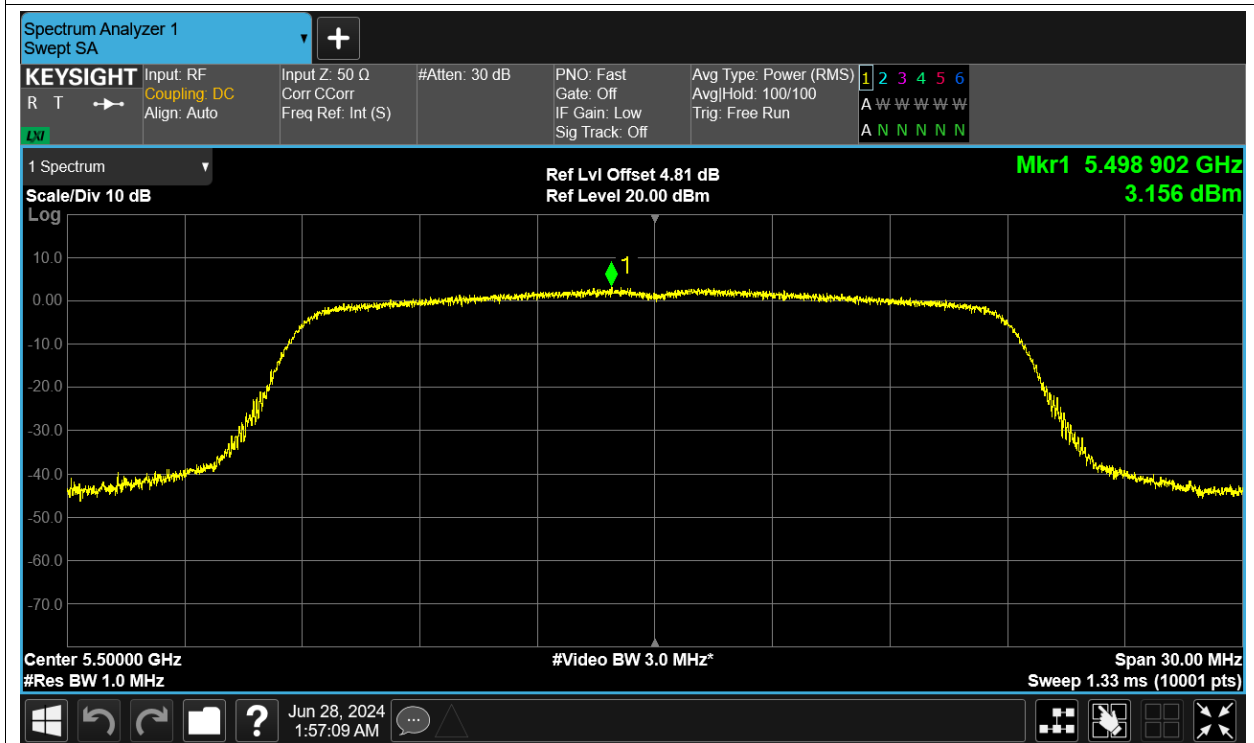
PSD NVNT ac80 5530MHz Ant1



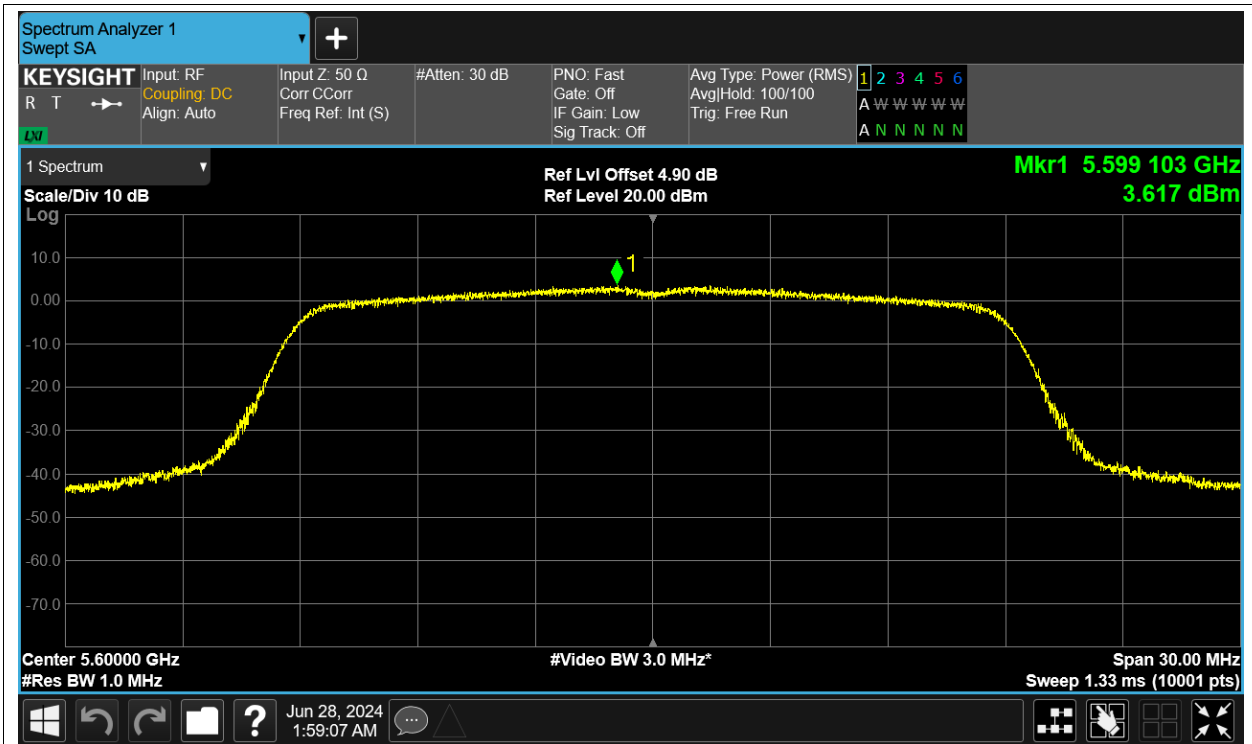
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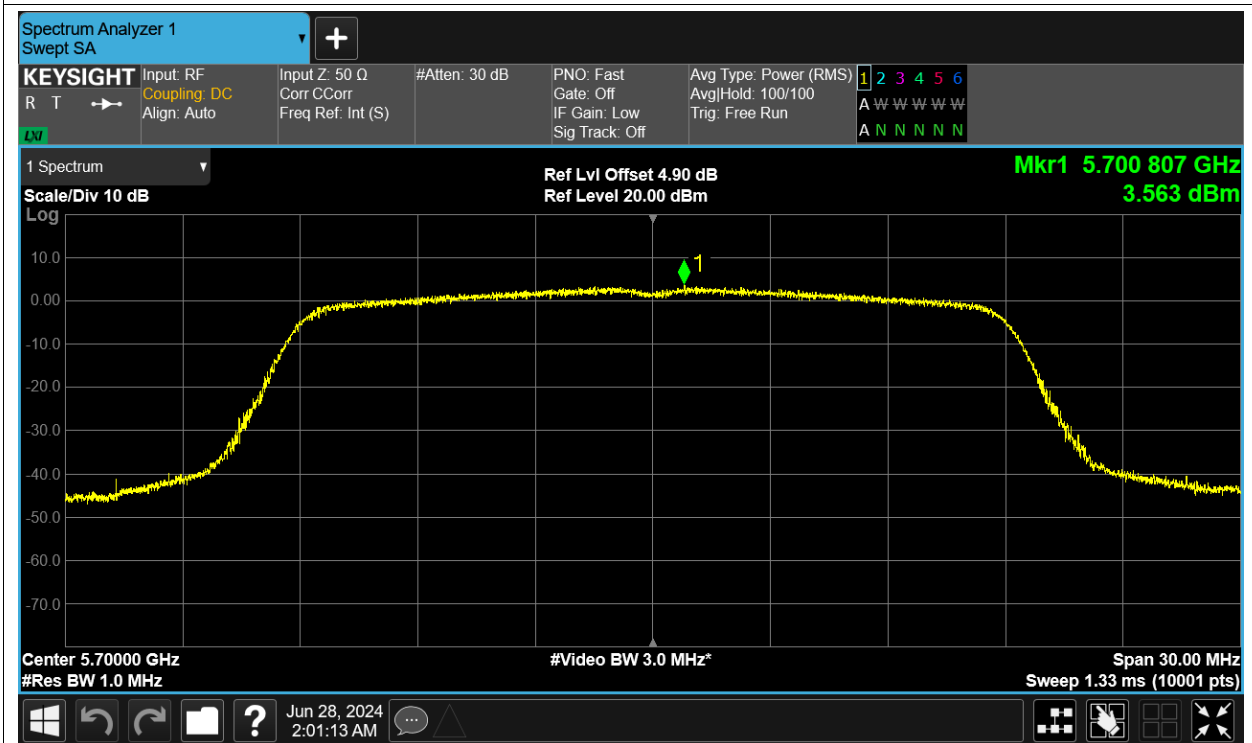
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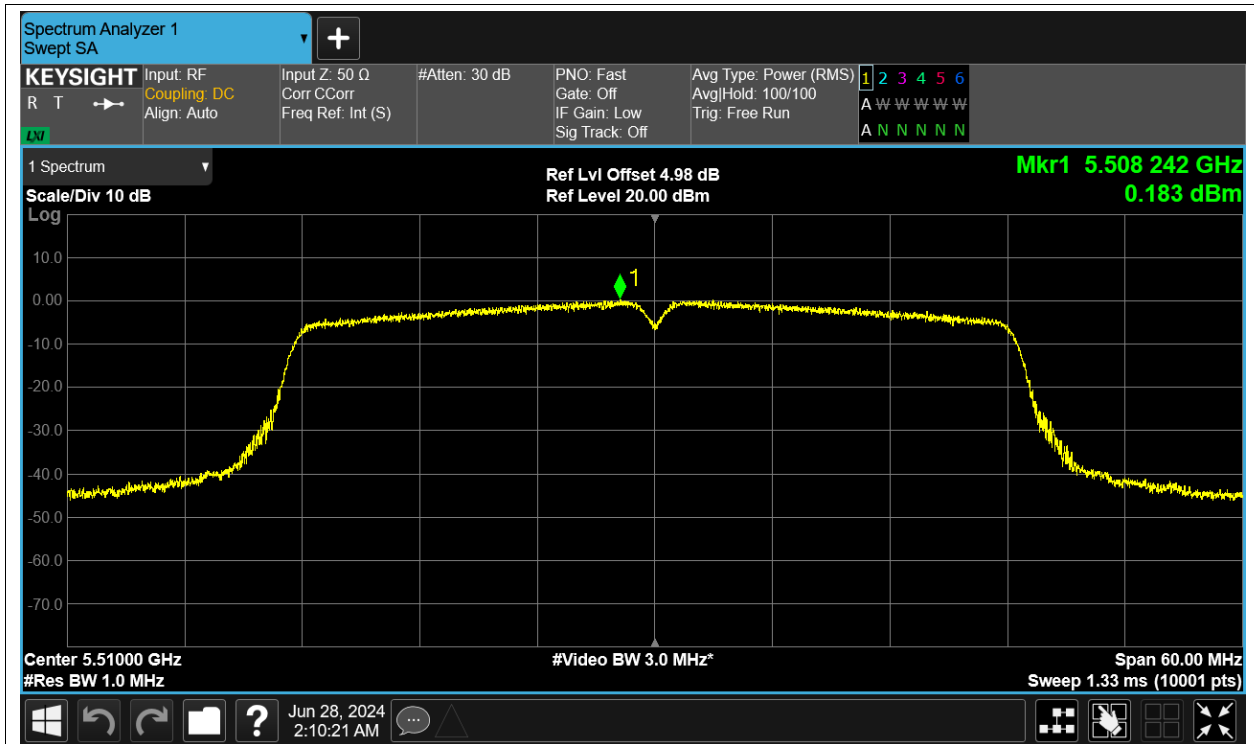
PSD NVNT n20 5600MHz Ant1



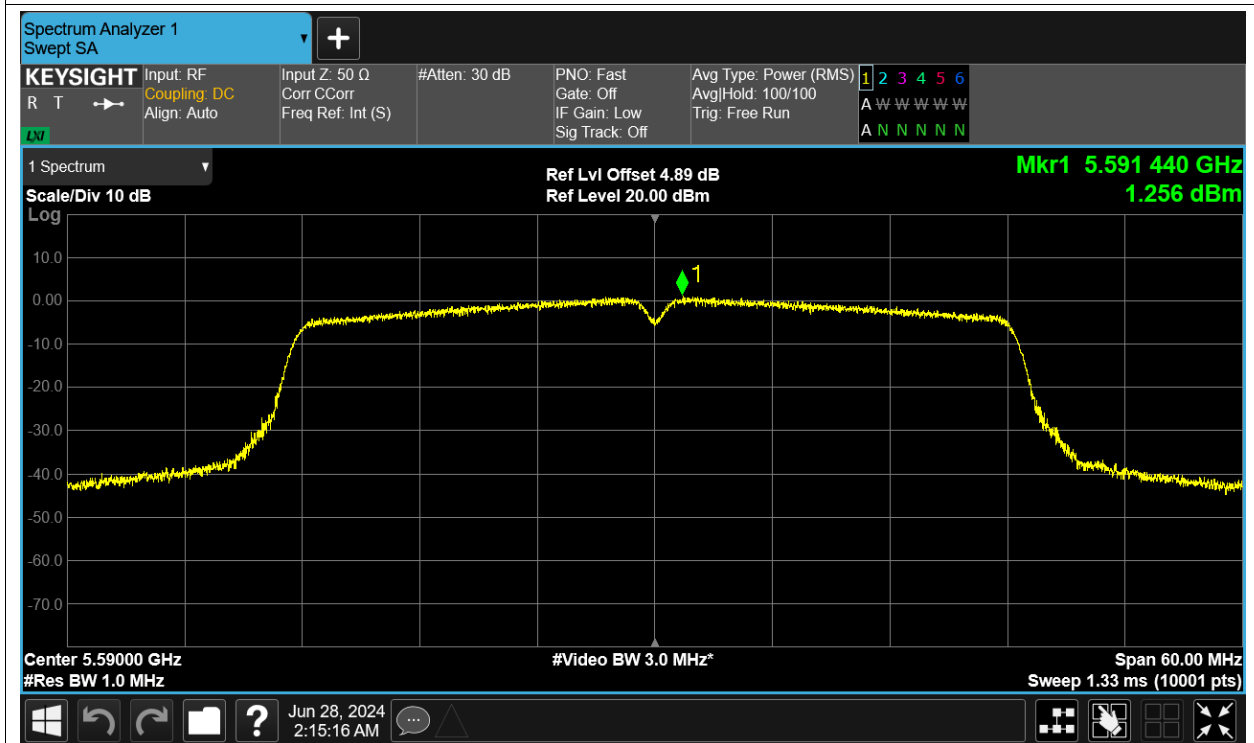
PSD NVNT n20 5700MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5667MHz Ant1

