

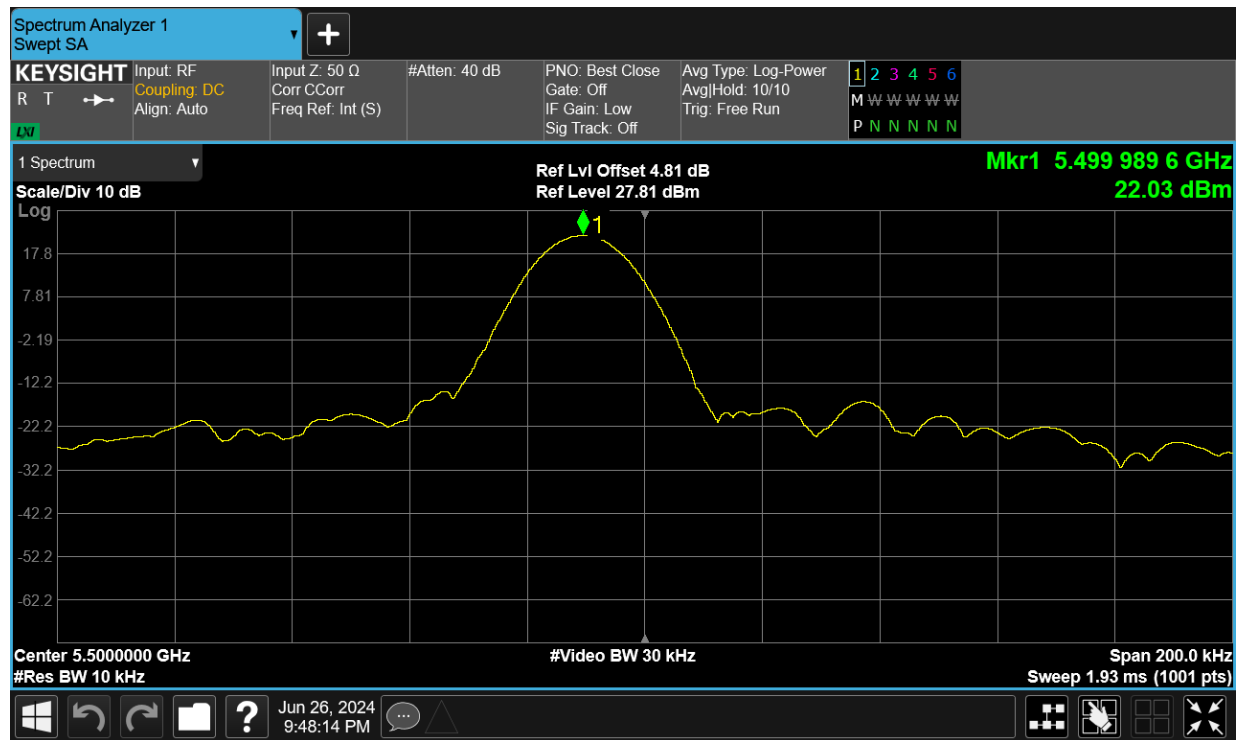
Test Data

Frequency Stability

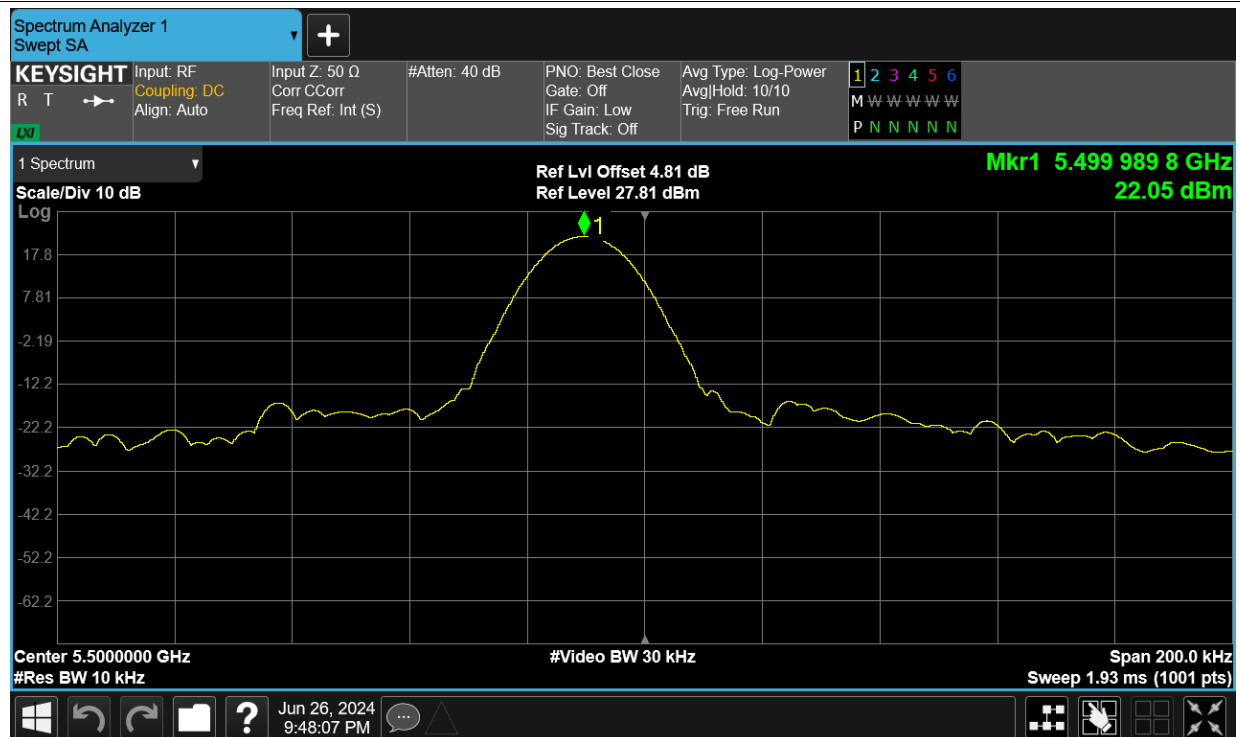
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant1	5499.9896	-1.89	Within authorized band	Pass
LVNT	a	5500	Ant1	5499.9898	-1.85		Pass
NVHT	a	5500	Ant1	5499.9898	-1.85		Pass
NVLT	a	5500	Ant1	5499.9902	-1.78		Pass
NVNT	a	5500	Ant1	5499.991	-1.64		Pass
HVNT	ac80	5530	Ant1	5529.9894	-1.92		Pass
LVNT	ac80	5530	Ant1	5529.9898	-1.84		Pass
NVHT	ac80	5530	Ant1	5529.99	-1.81		Pass
NVLT	ac80	5530	Ant1	5529.9904	-1.74		Pass
NVNT	ac80	5530	Ant1	5529.992	-1.45		Pass
HVNT	n40	5510	Ant1	5509.9898	-1.85		Pass
LVNT	n40	5510	Ant1	5509.99	-1.81		Pass
NVHT	n40	5510	Ant1	5509.9902	-1.78		Pass
NVLT	n40	5510	Ant1	5509.9906	-1.71		Pass
NVNT	n40	5510	Ant1	5509.9912	-1.6		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

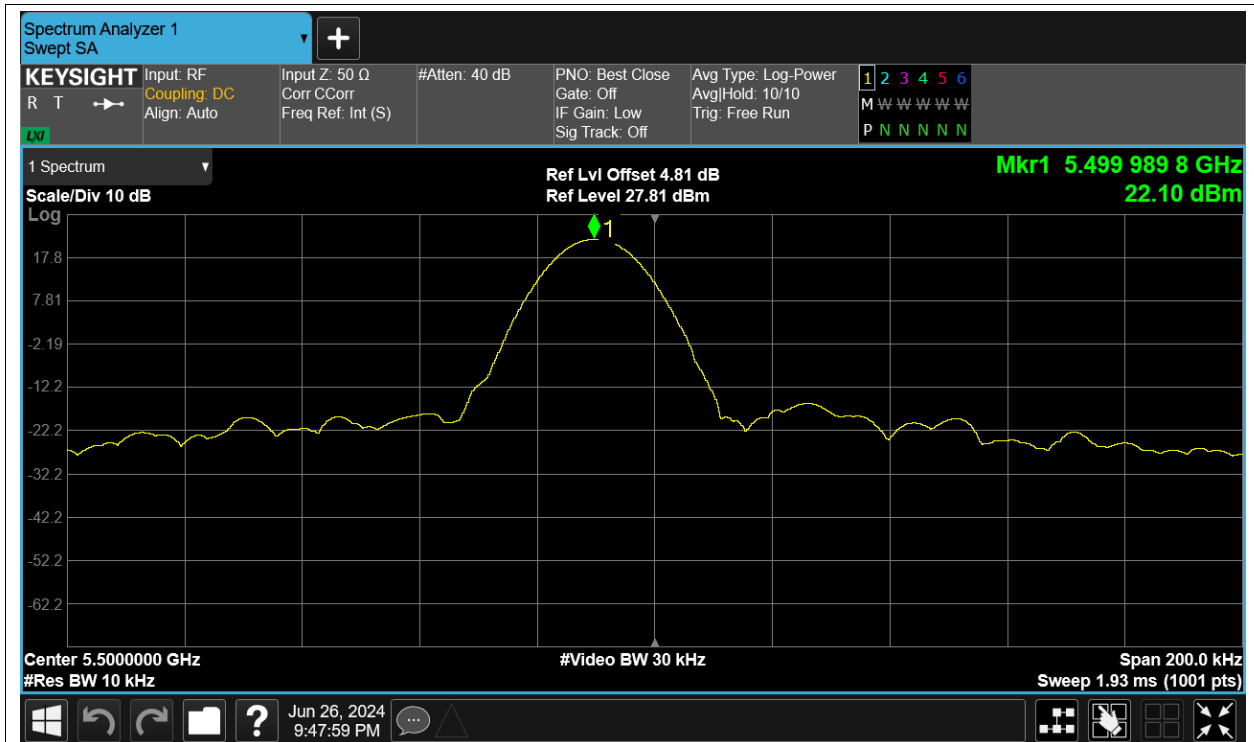
Freq. Stability HVNT a 5500MHz Ant1



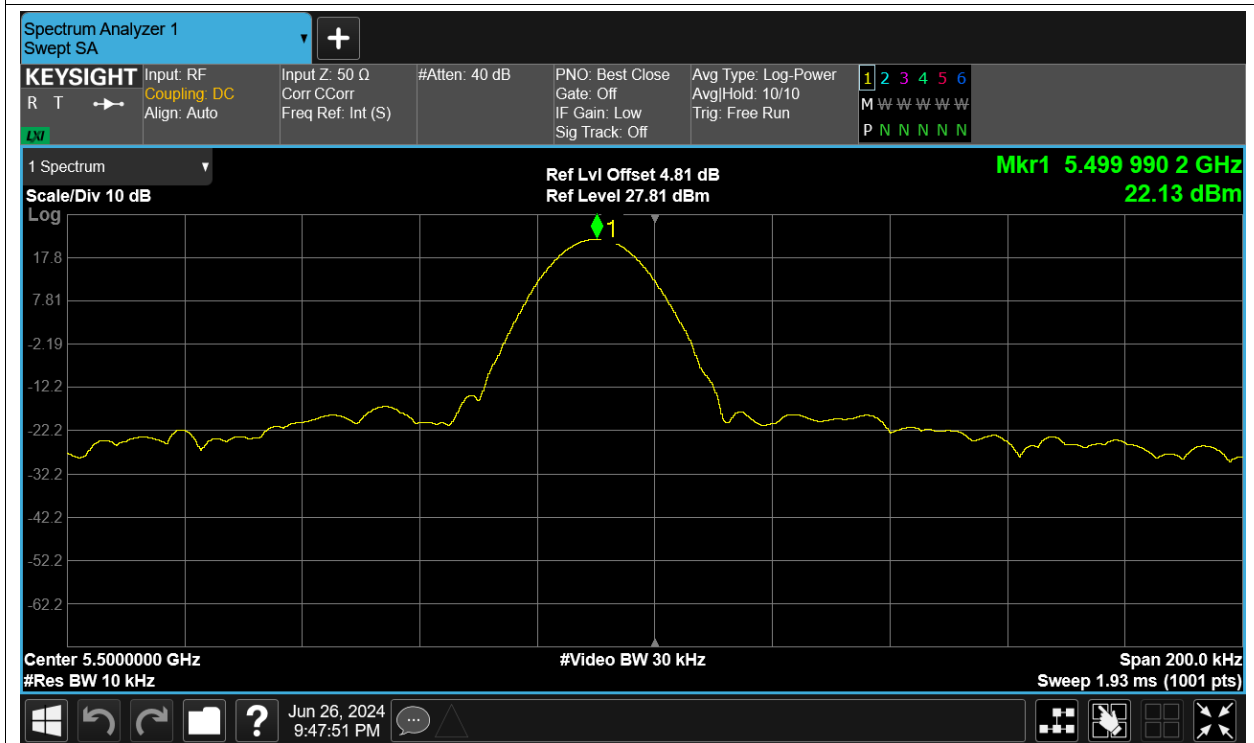
Freq. Stability LVNT a 5500MHz Ant1



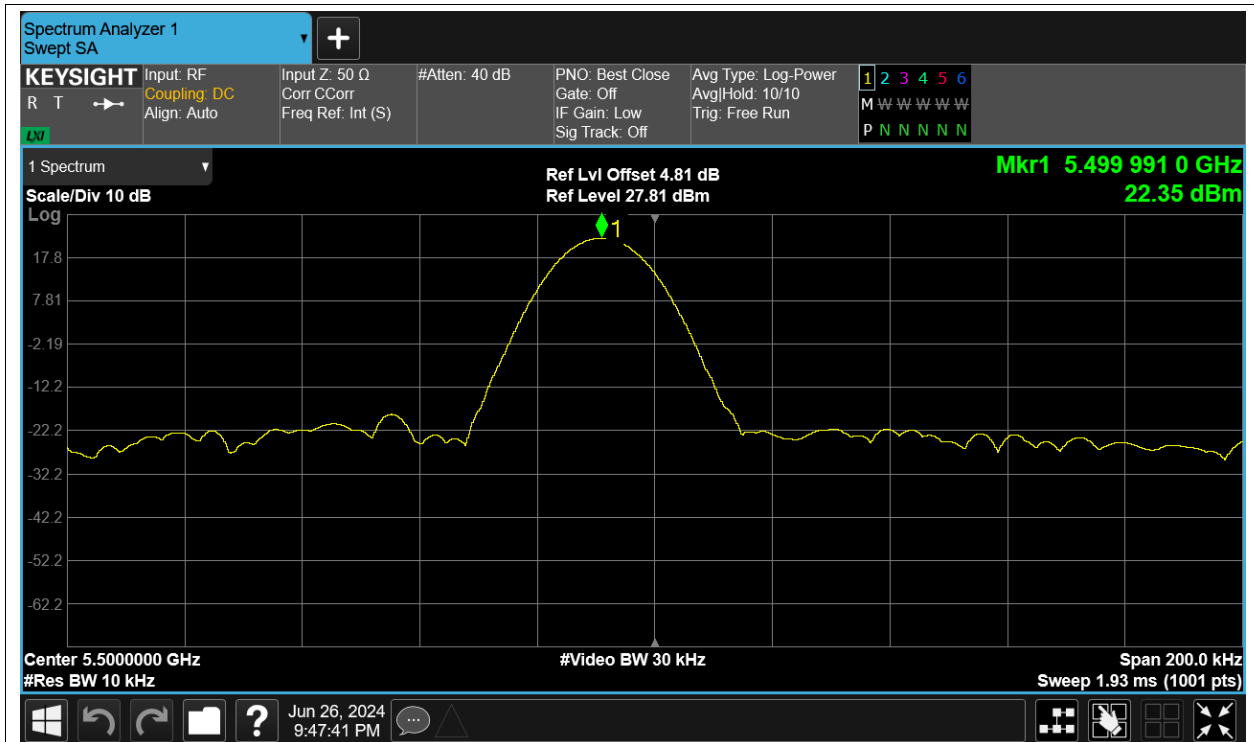
Freq. Stability NVHT a 5500MHz Ant1



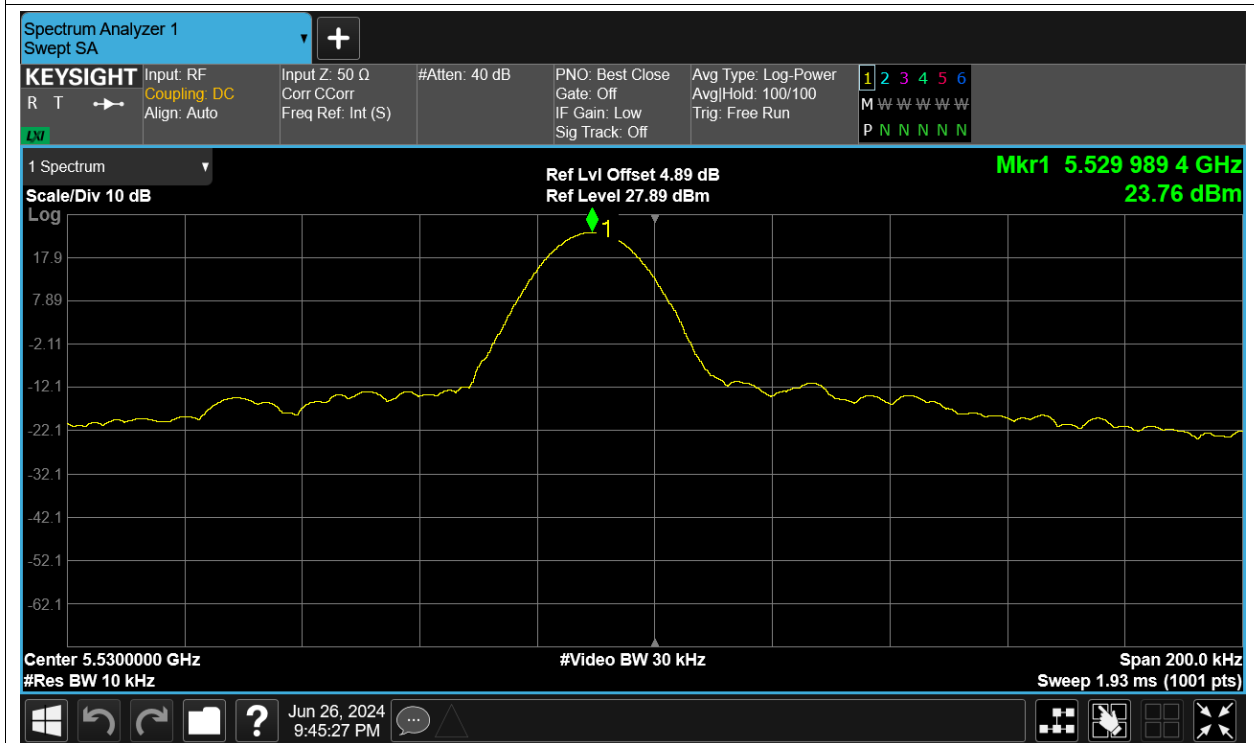
Freq. Stability NVLT a 5500MHz Ant1



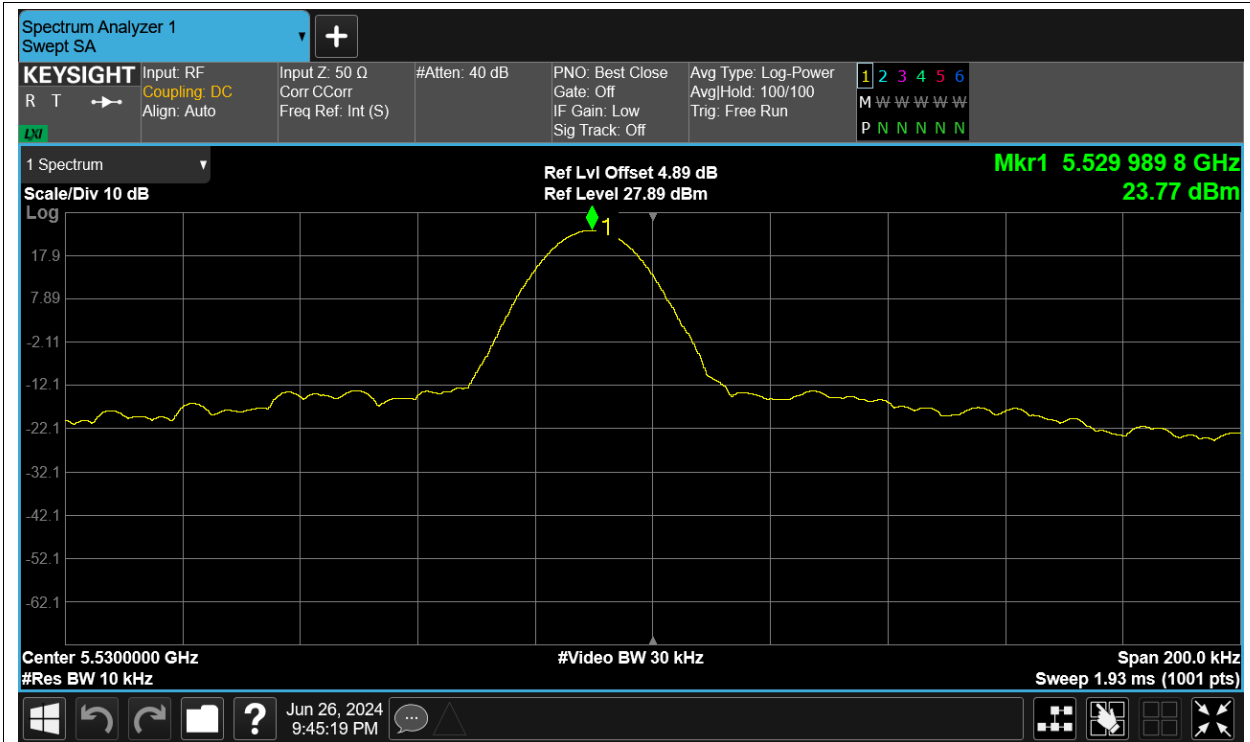
Freq. Stability NVNT a 5500MHz Ant1



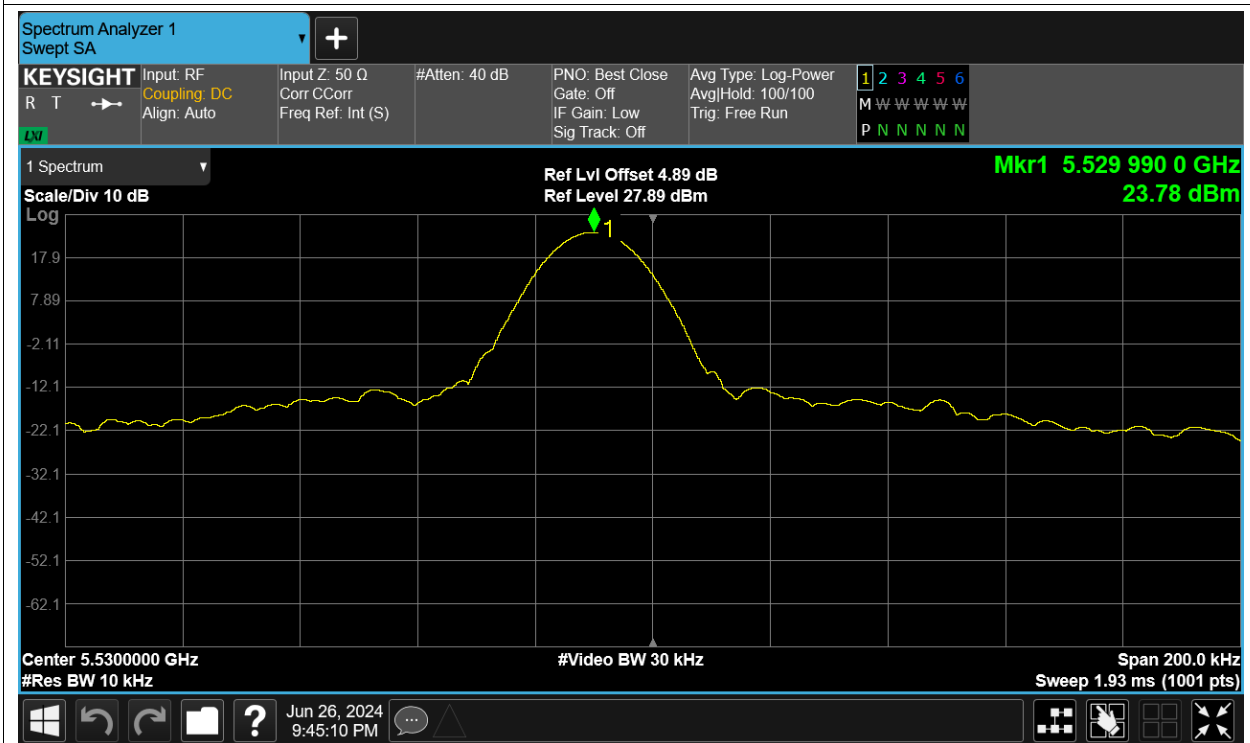
Freq. Stability HVNT ac80 5530MHz Ant1



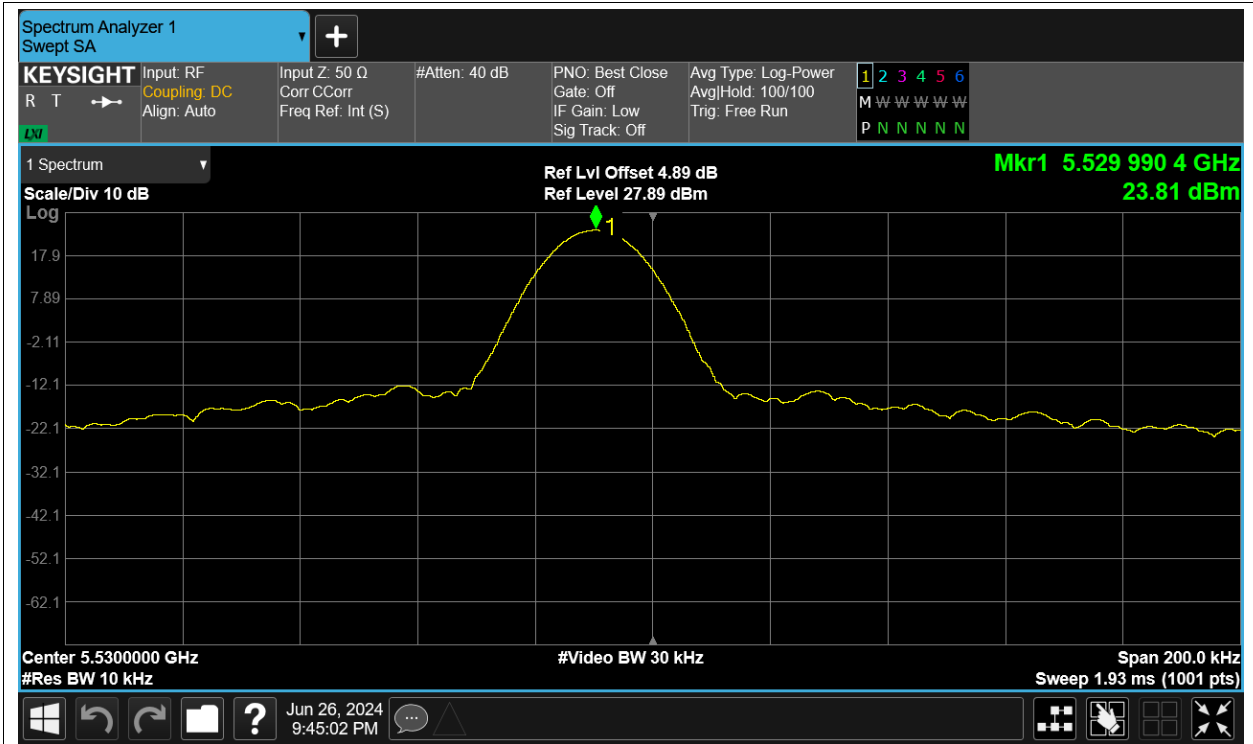
Freq. Stability LVNT ac80 5530MHz Ant1



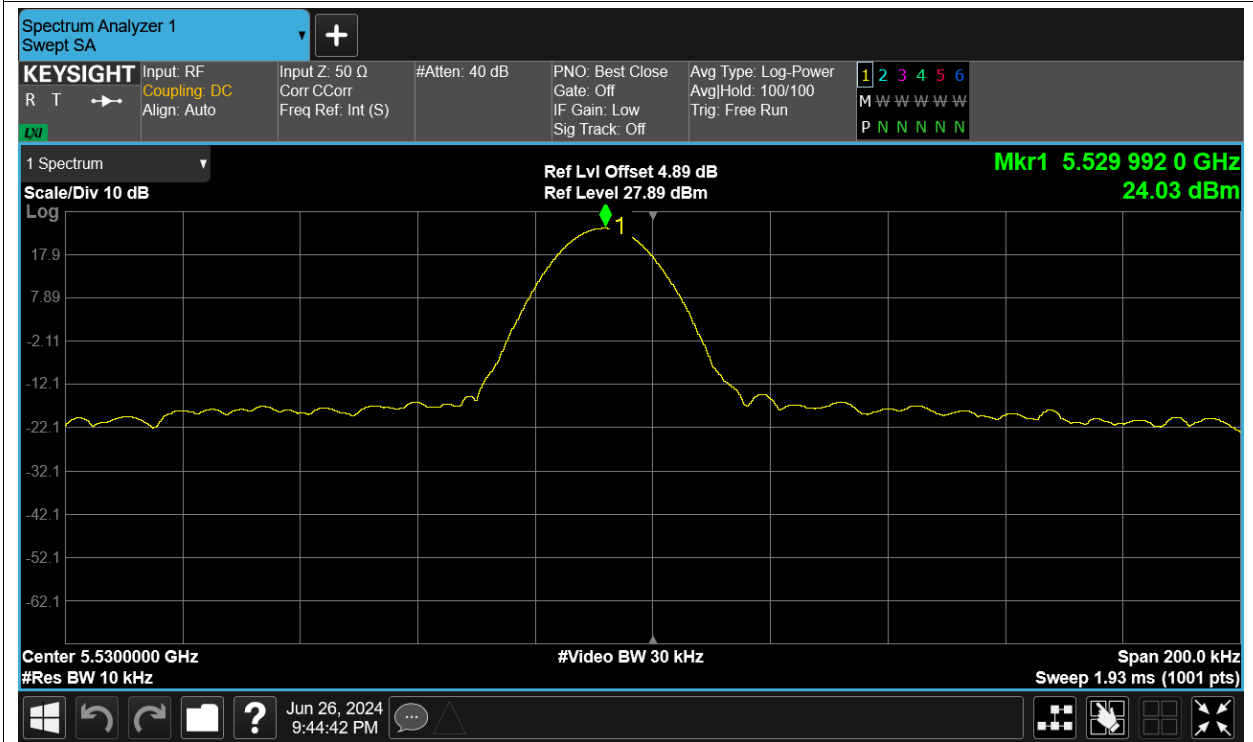
Freq. Stability NVHT ac80 5530MHz Ant1



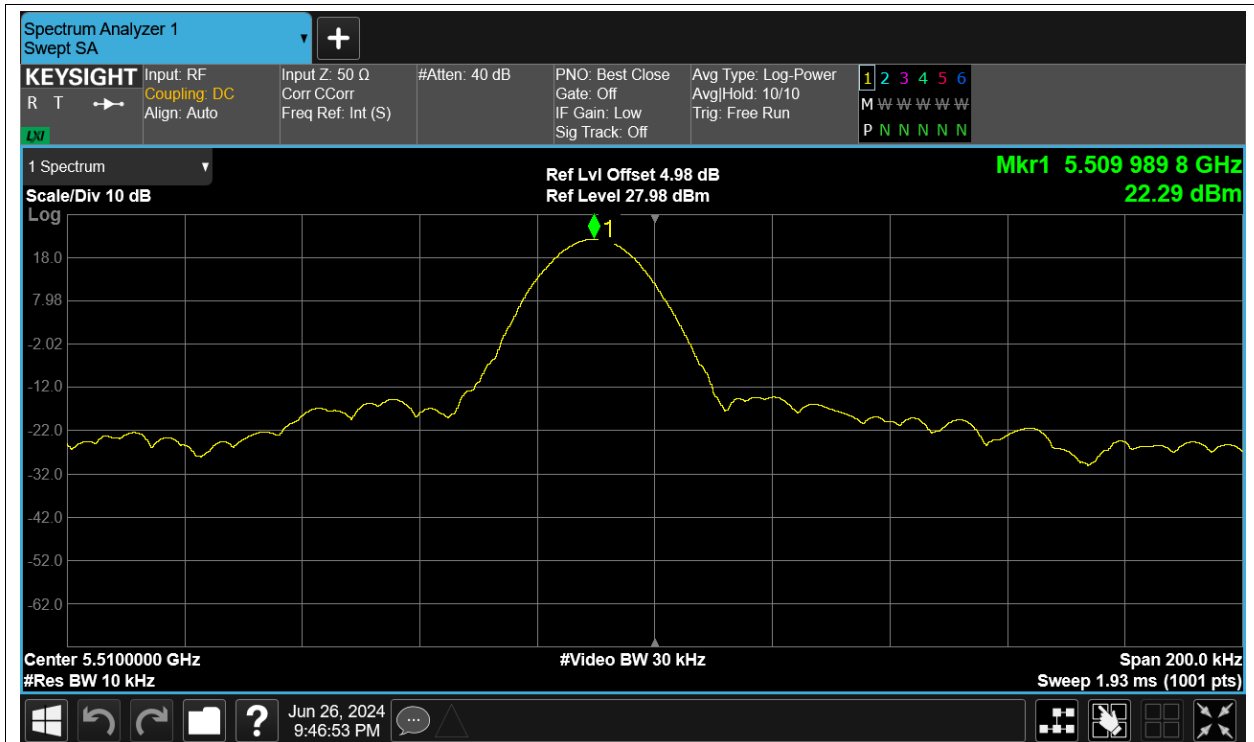
Freq. Stability NVLT ac80 5530MHz Ant1



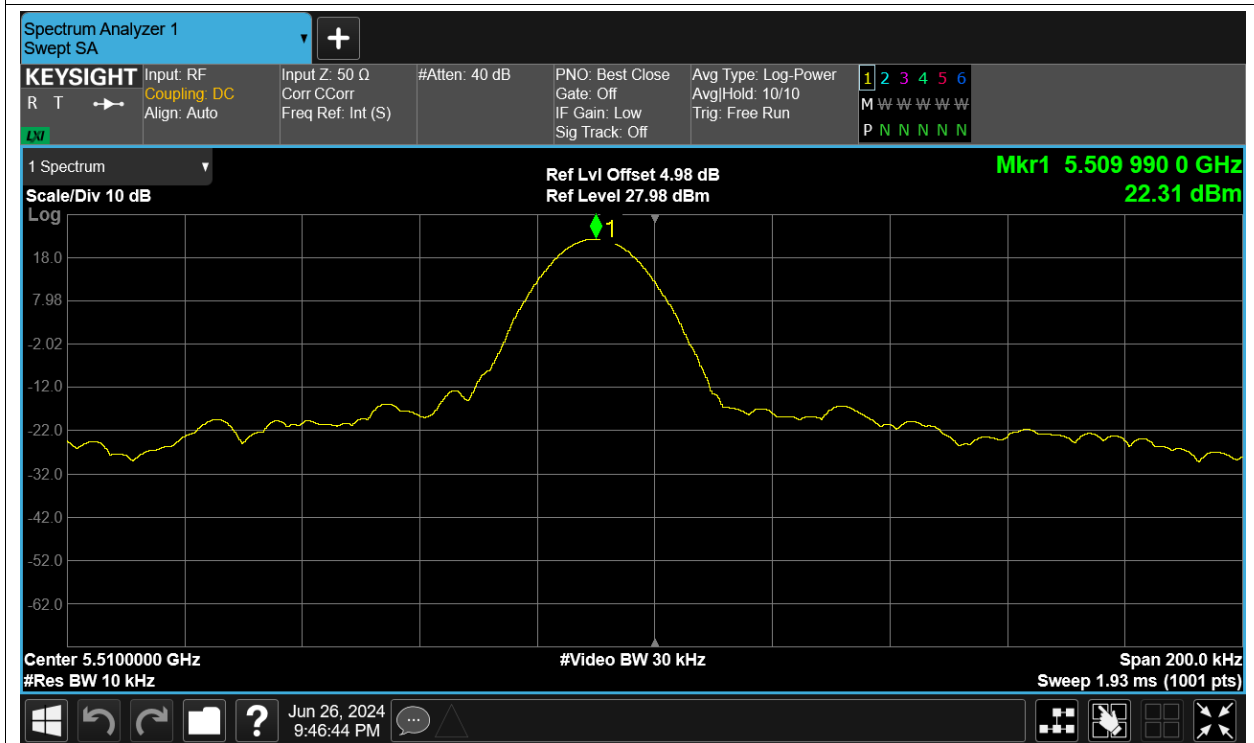
Freq. Stability NVNT ac80 5530MHz Ant1



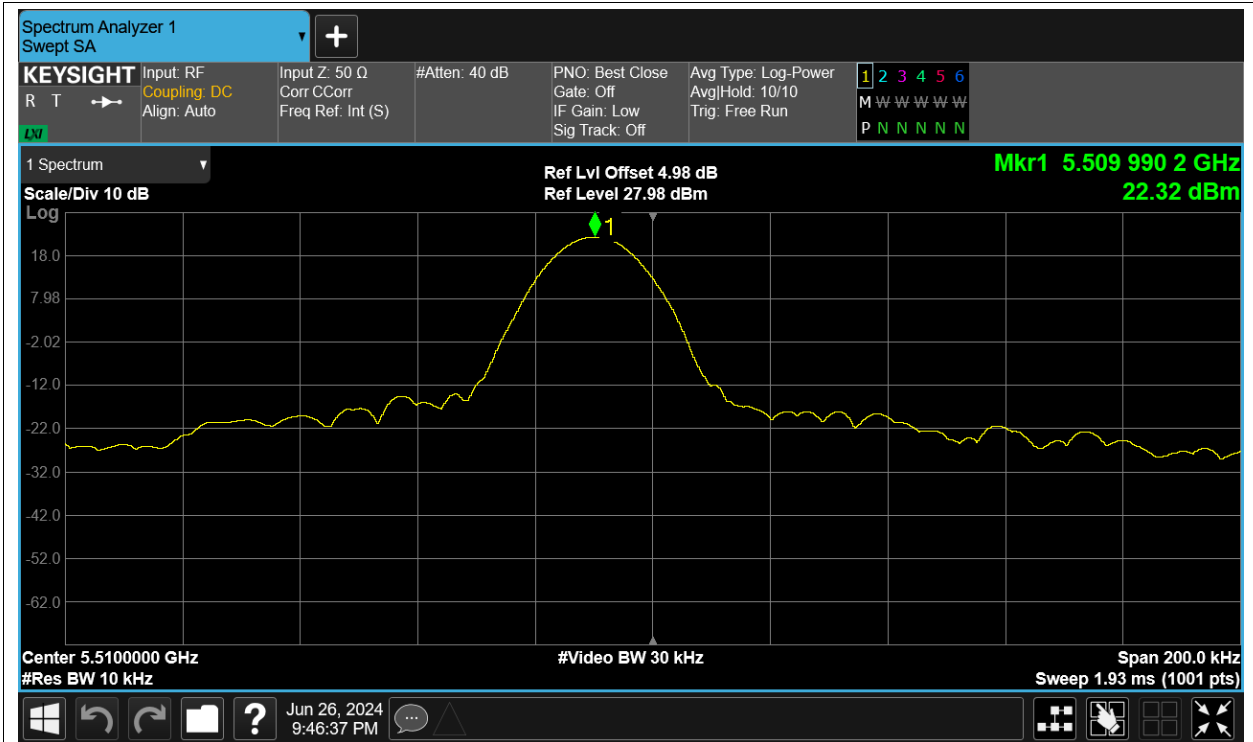
Freq. Stability HVNT n40 5510MHz Ant1



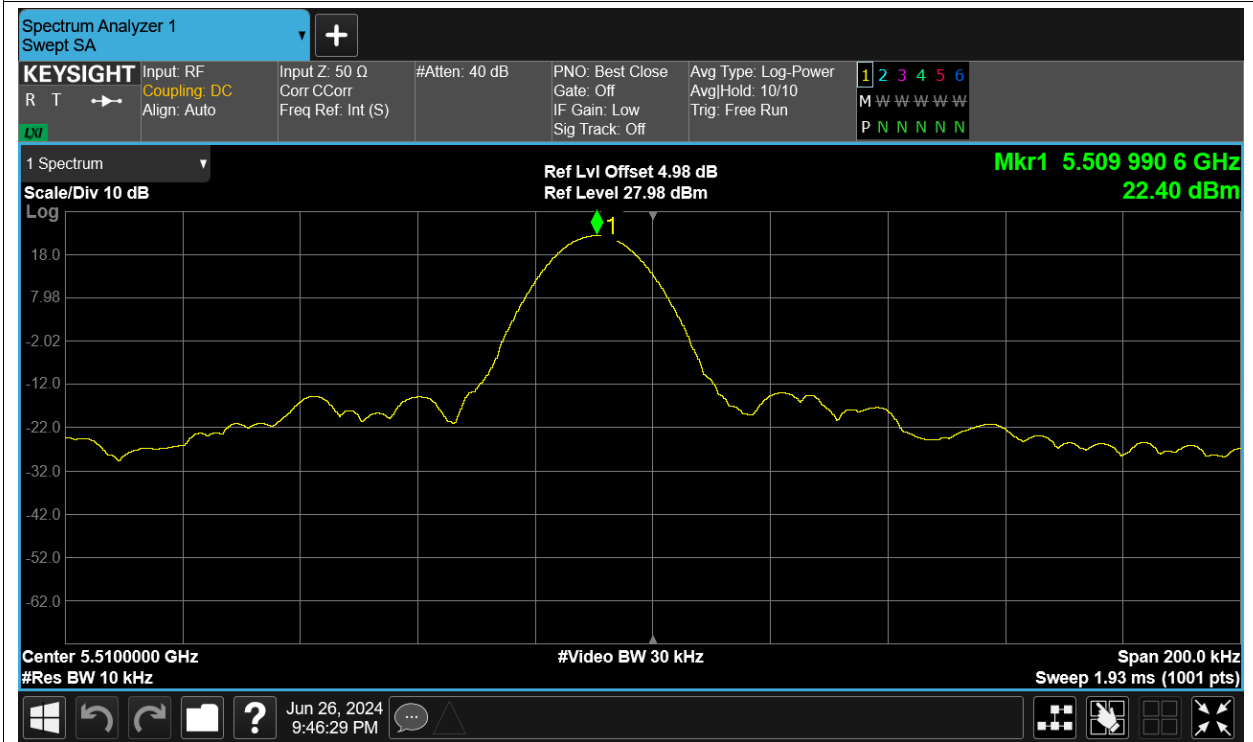
Freq. Stability LVNT n40 5510MHz Ant1



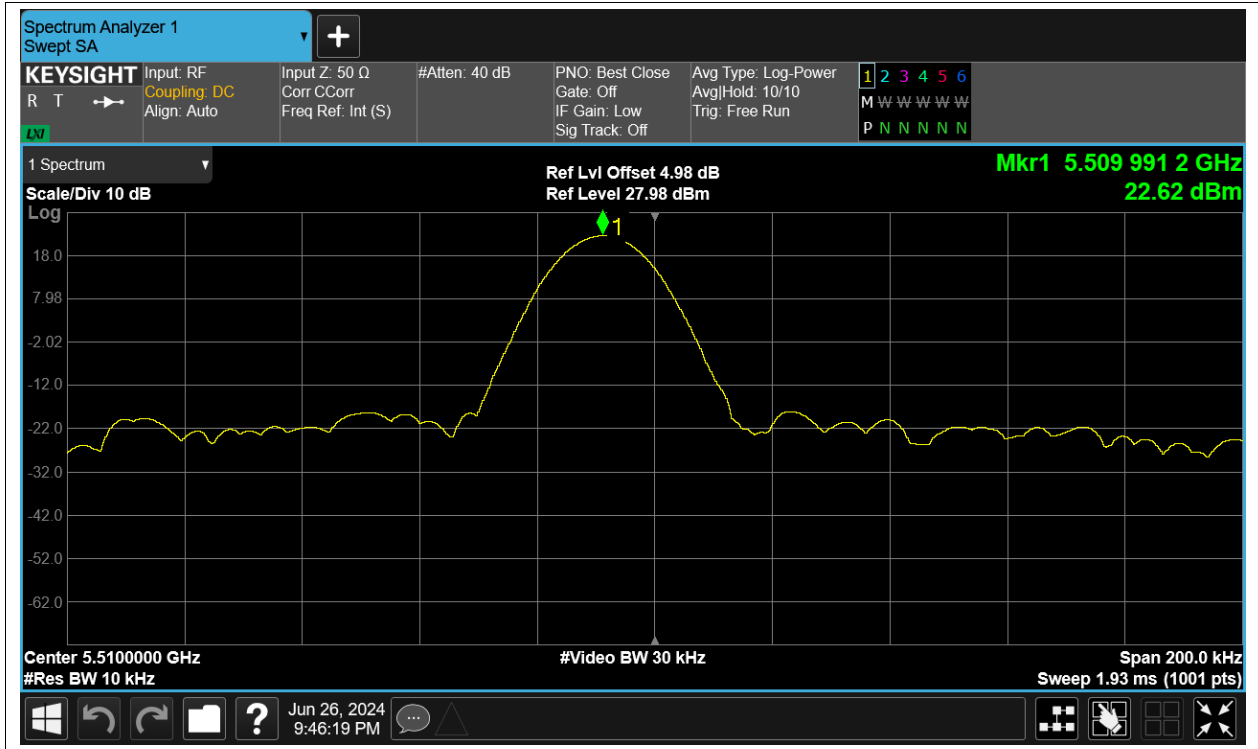
Freq. Stability NVHT n40 5510MHz Ant1



Freq. Stability NVLT n40 5510MHz Ant1

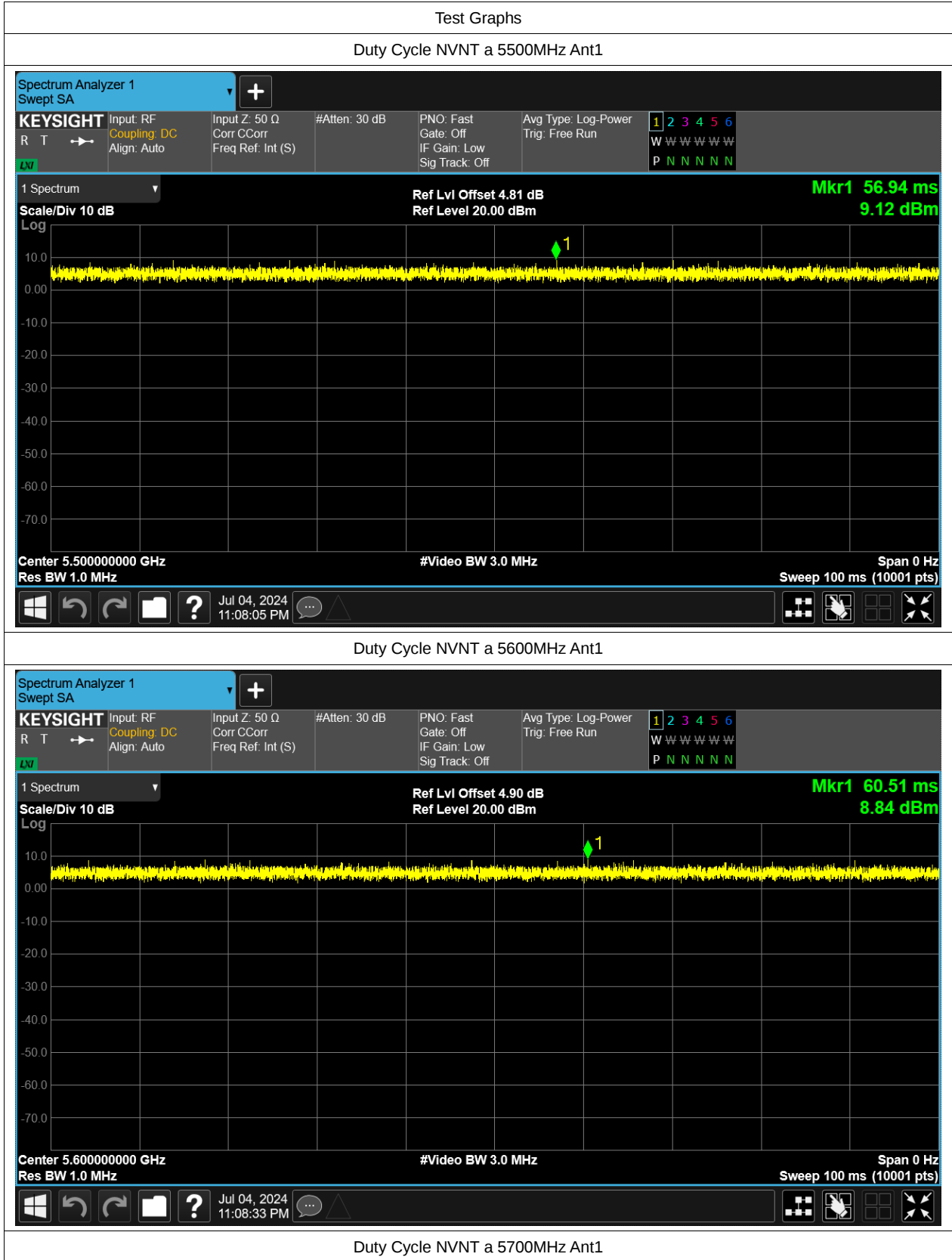


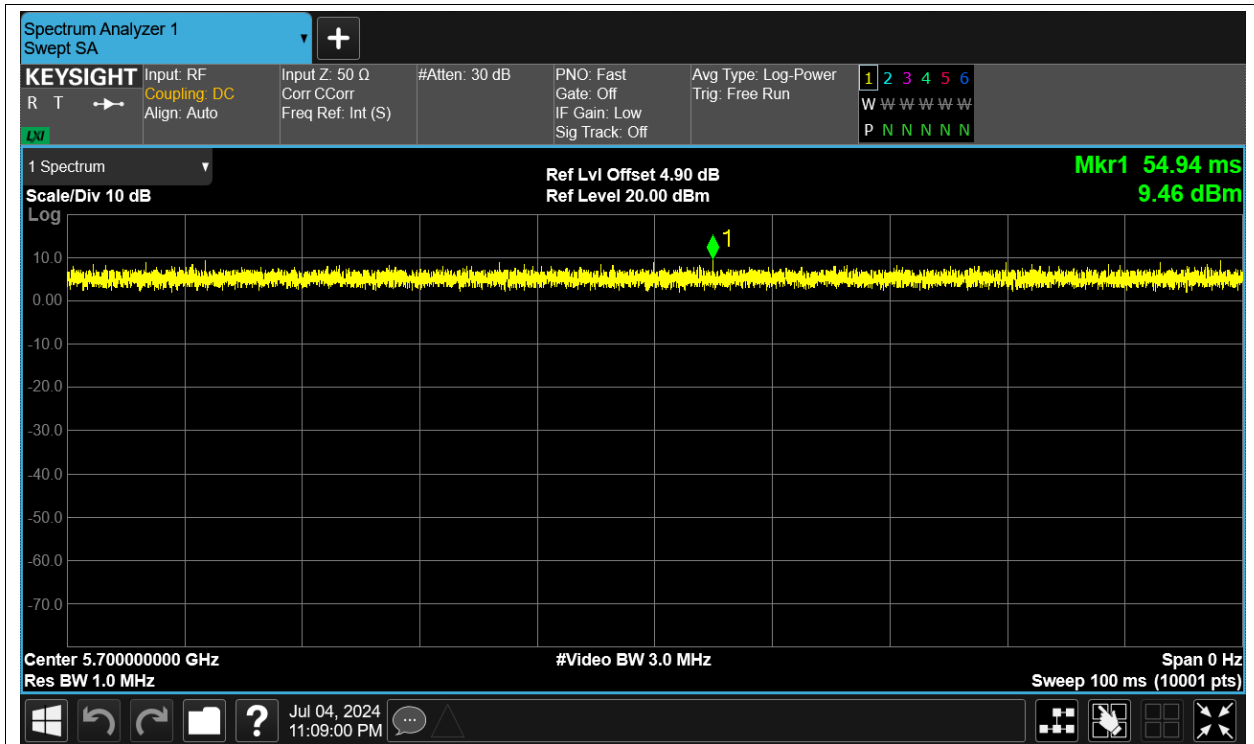
Freq. Stability NVNT n40 5510MHz Ant1



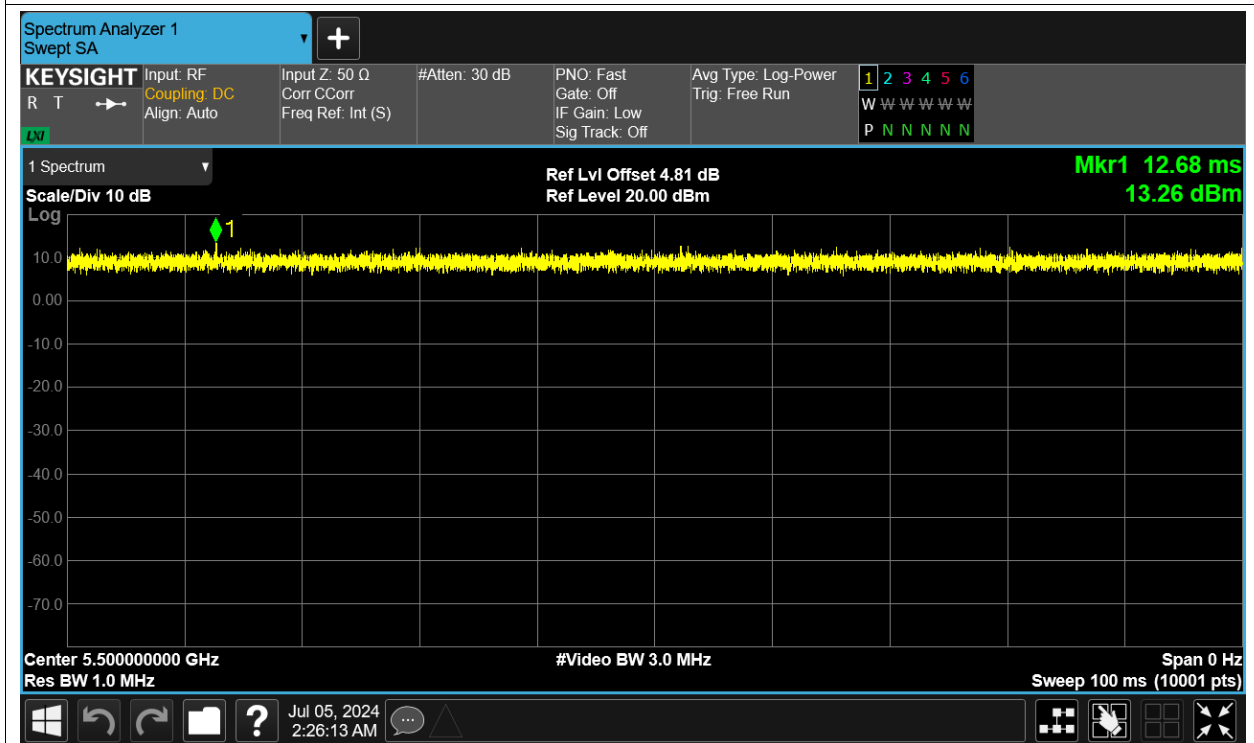
Duty Cycle

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

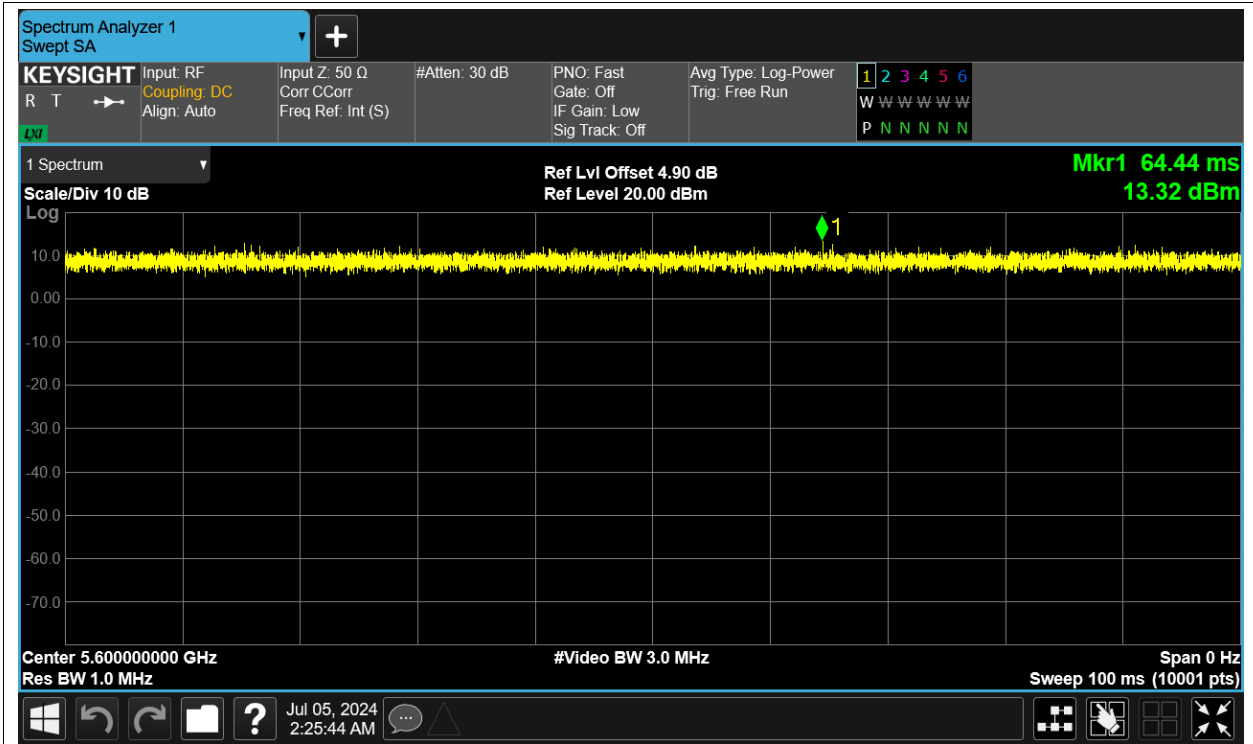




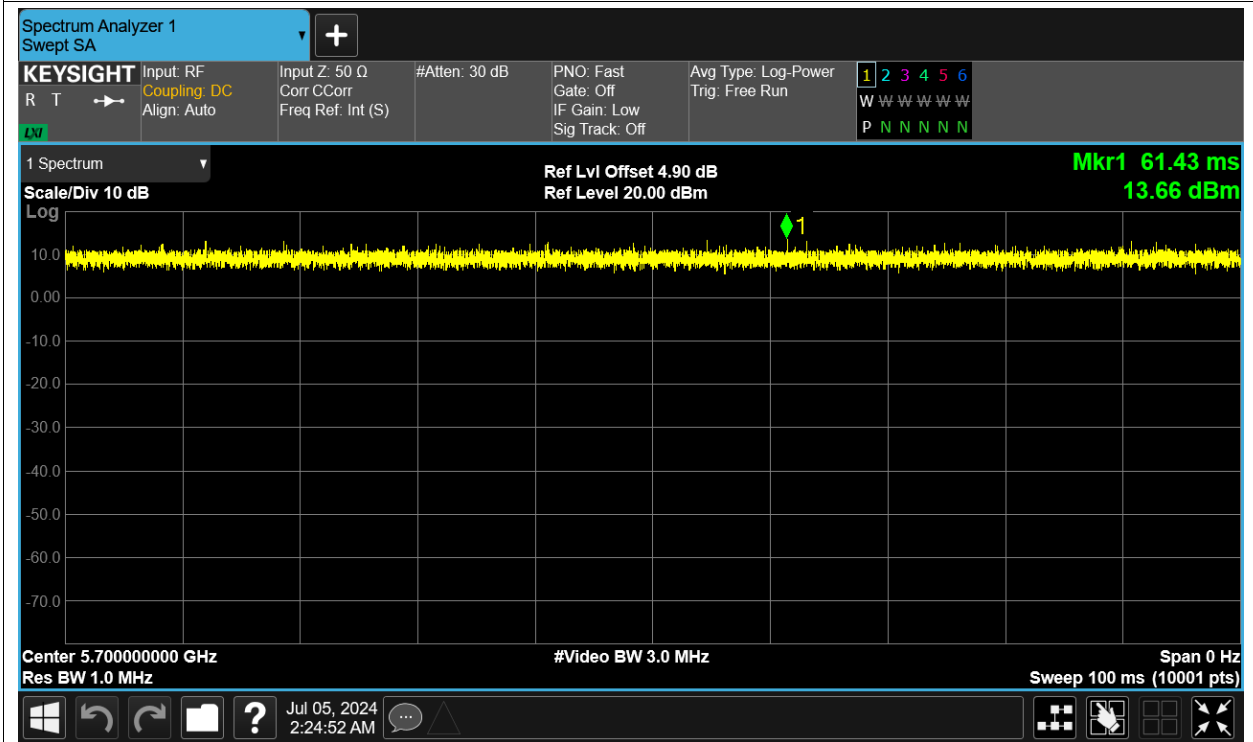
Duty Cycle NVNT ac20 5500MHz Ant1



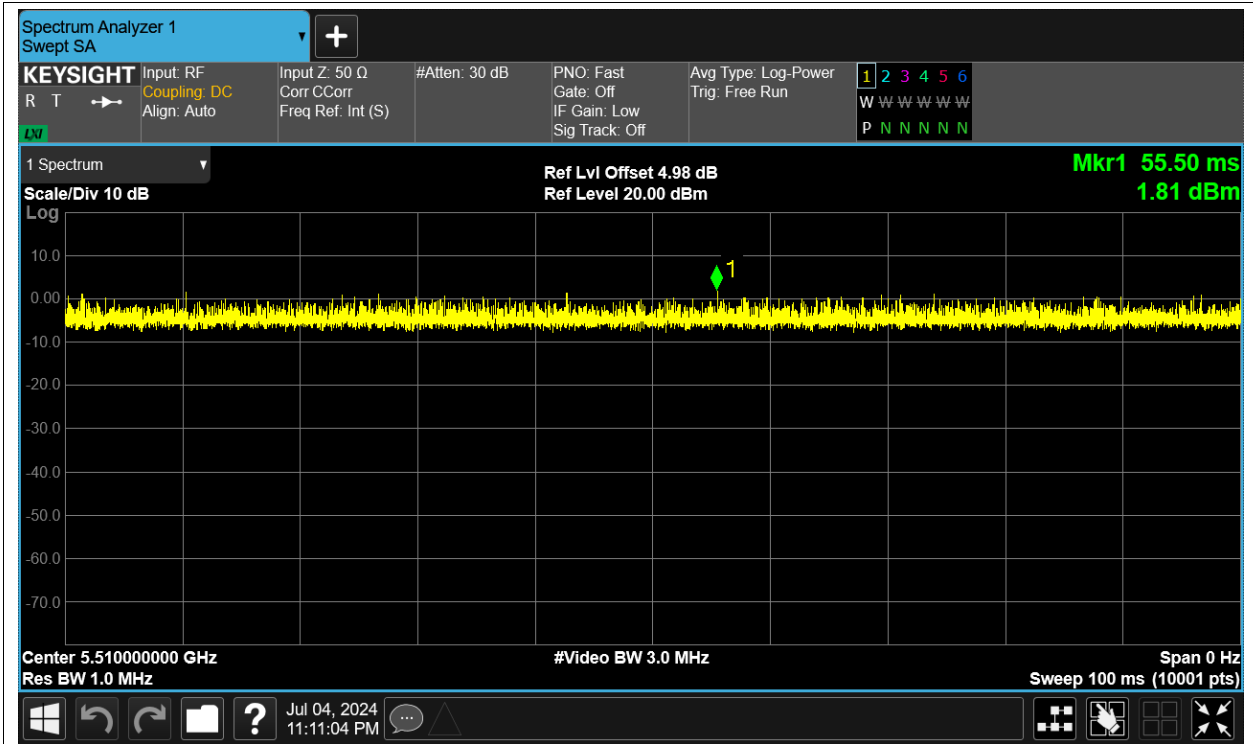
Duty Cycle NVNT ac20 5600MHz Ant1



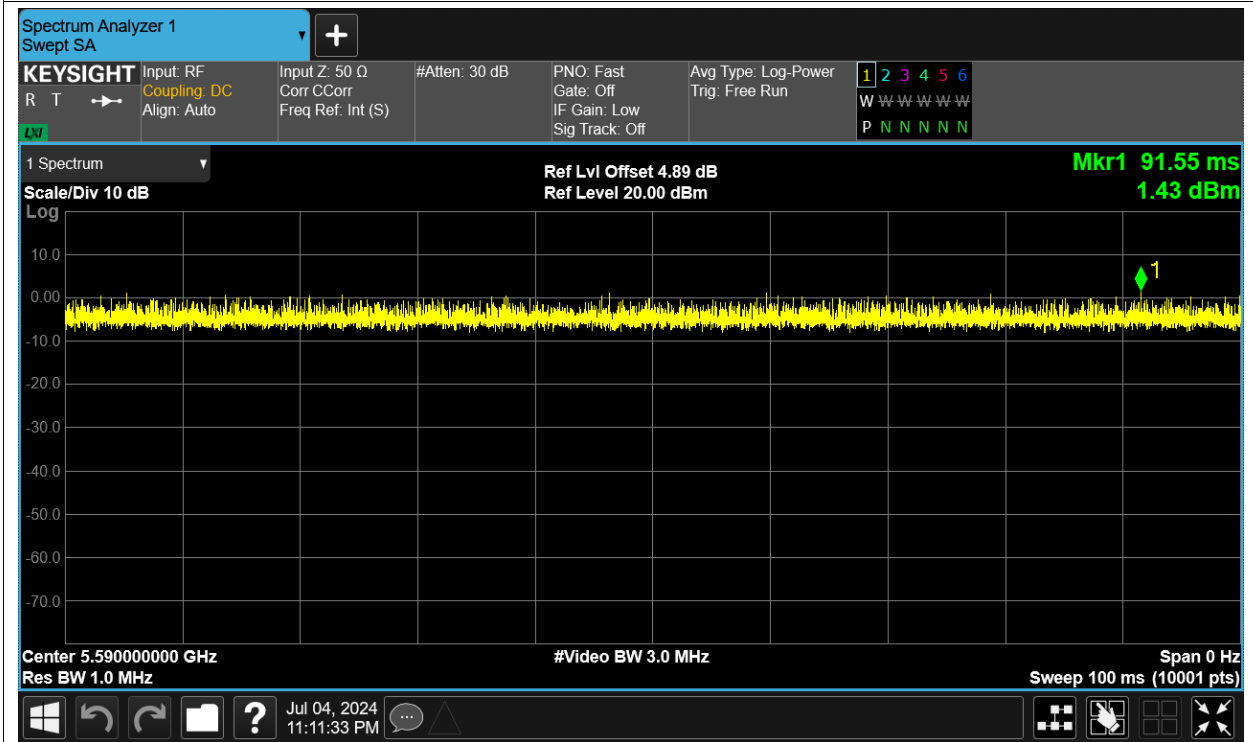
Duty Cycle NVNT ac20 5700MHz Ant1



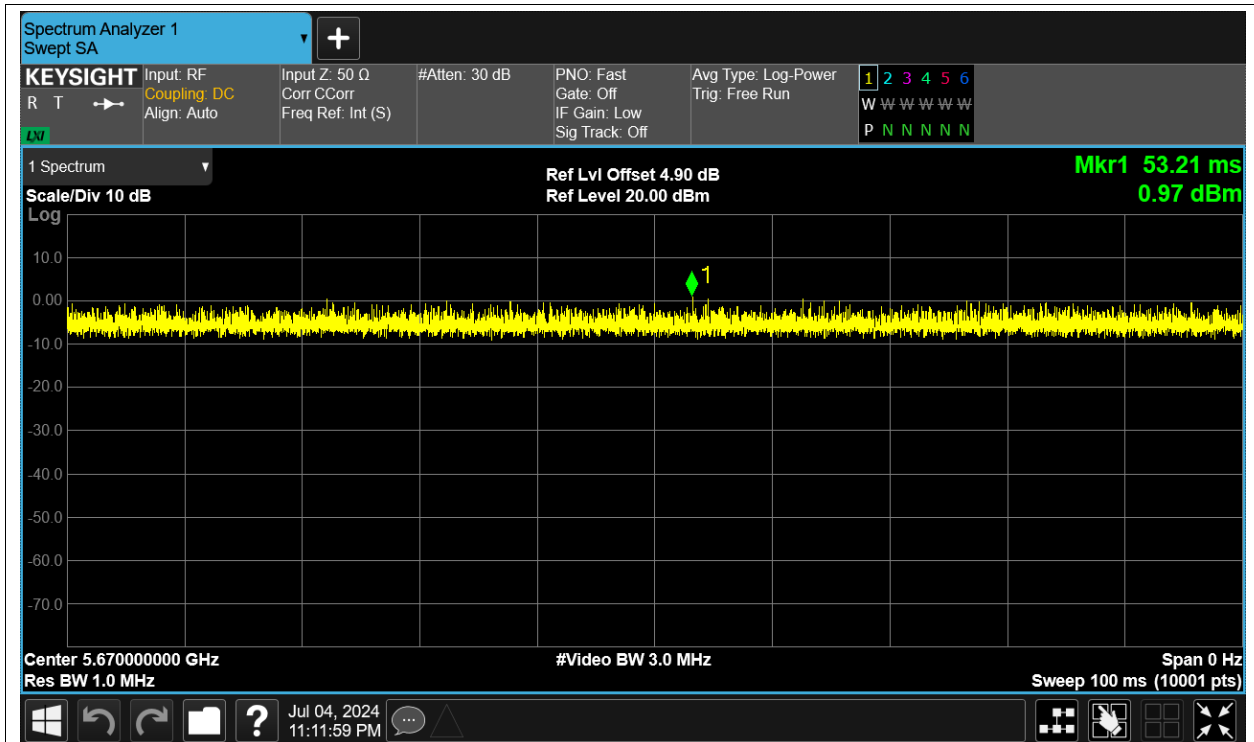
Duty Cycle NVNT ac40 5510MHz Ant1



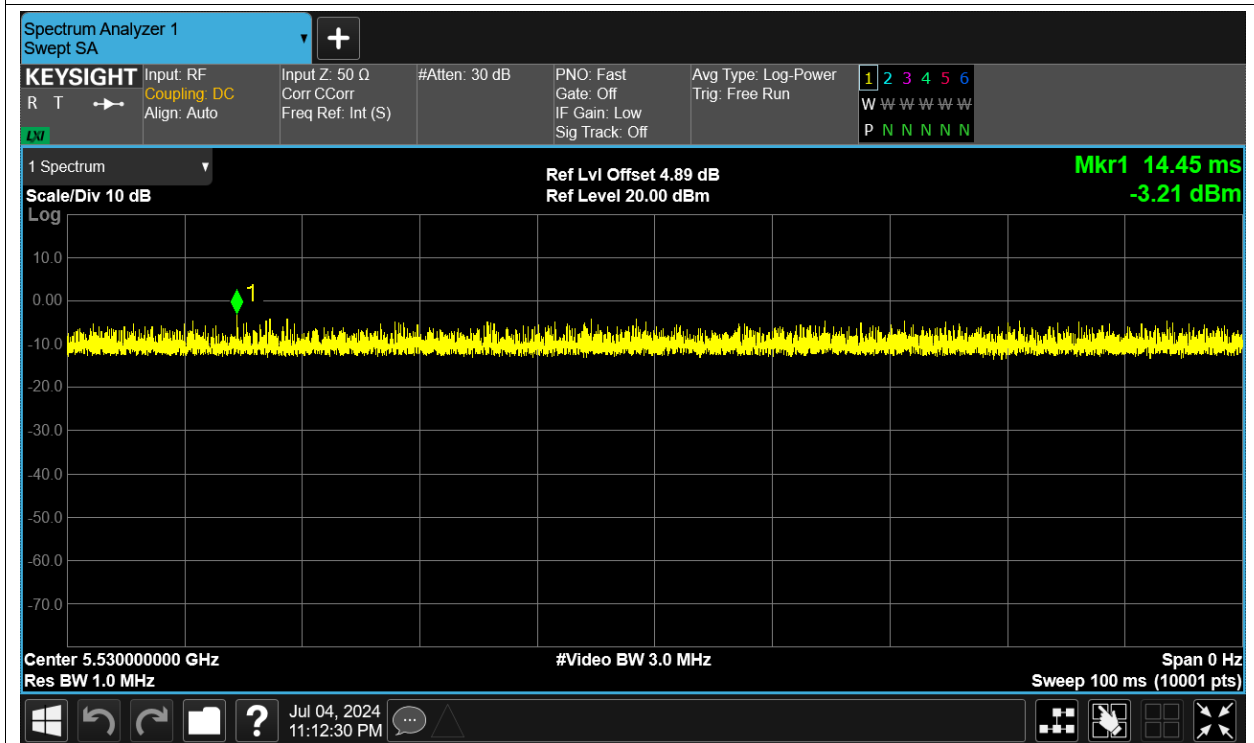
Duty Cycle NVNT ac40 5590MHz Ant1



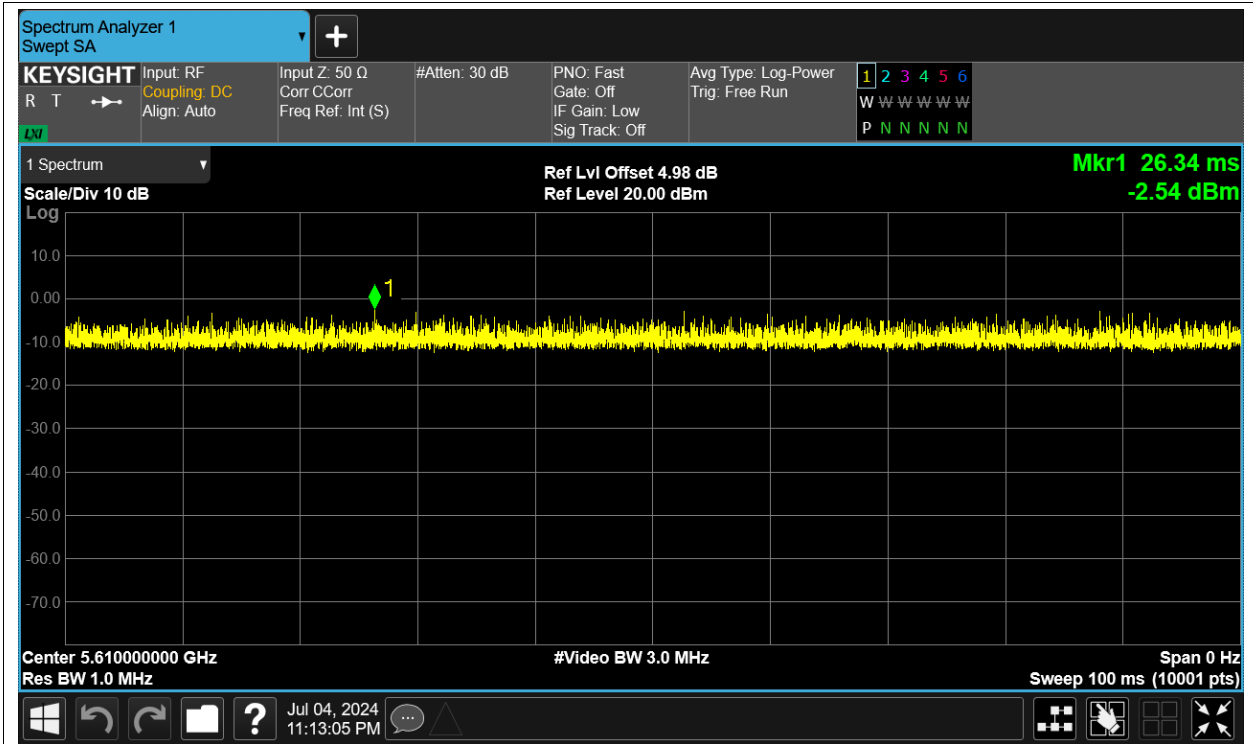
Duty Cycle NVNT ac40 5670MHz Ant1



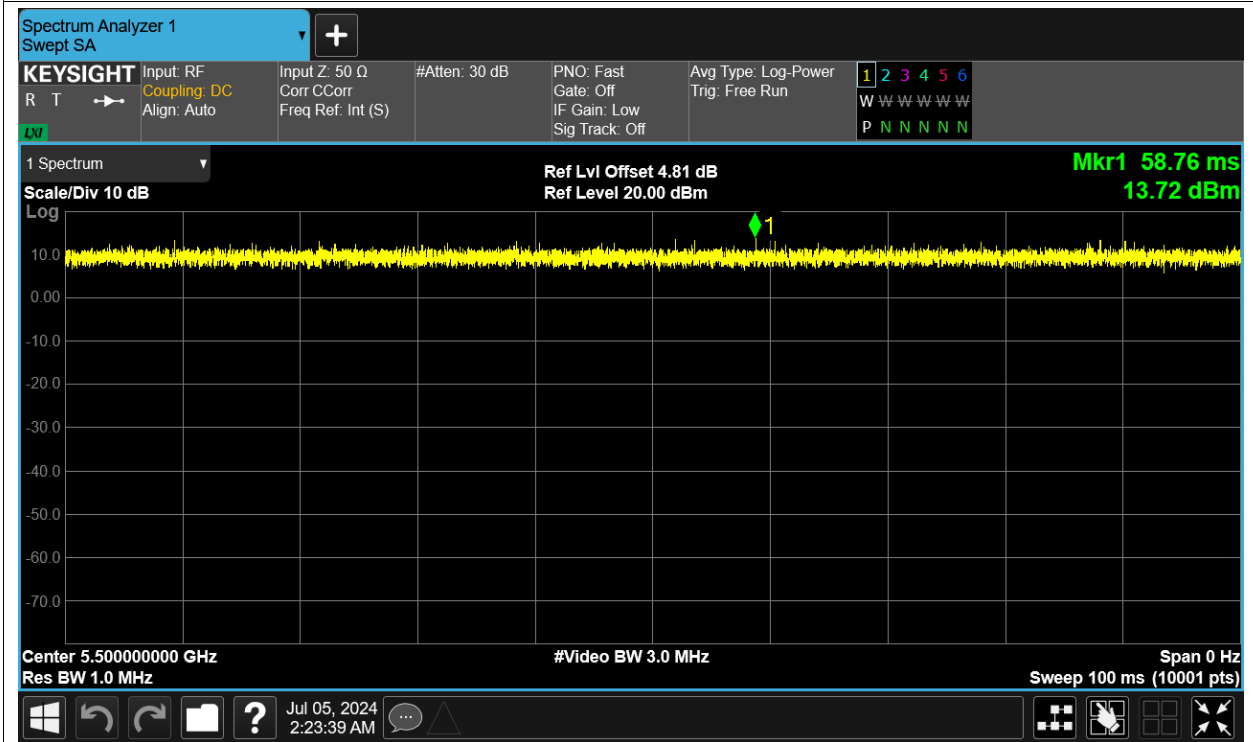
Duty Cycle NVNT ac80 5530MHz Ant1



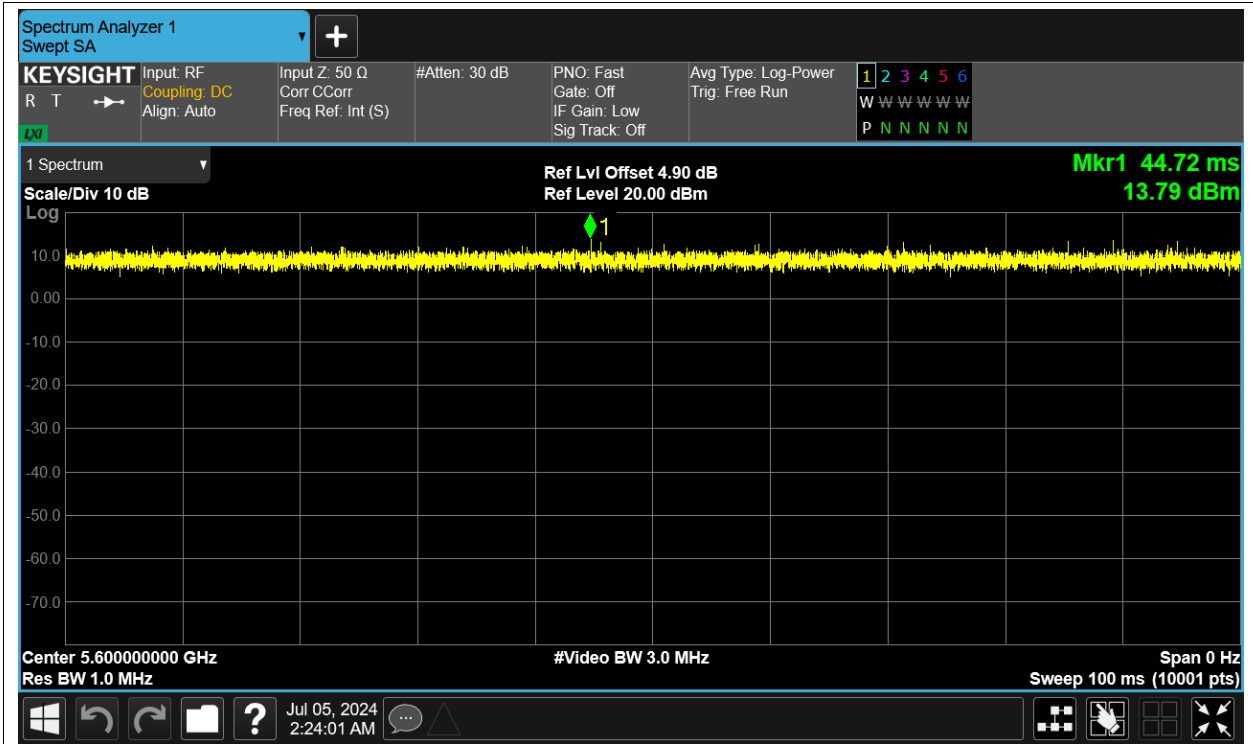
Duty Cycle NVNT ac80 5610MHz Ant1



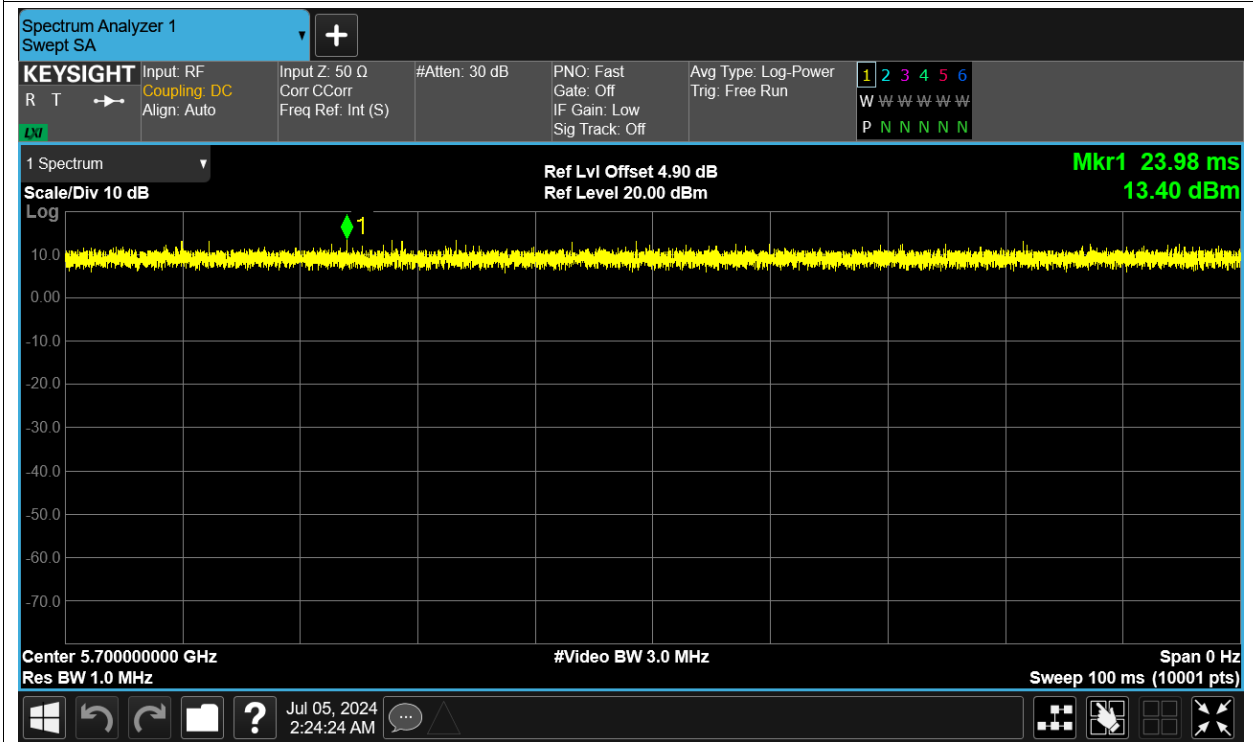
Duty Cycle NVNT n20 5500MHz Ant1



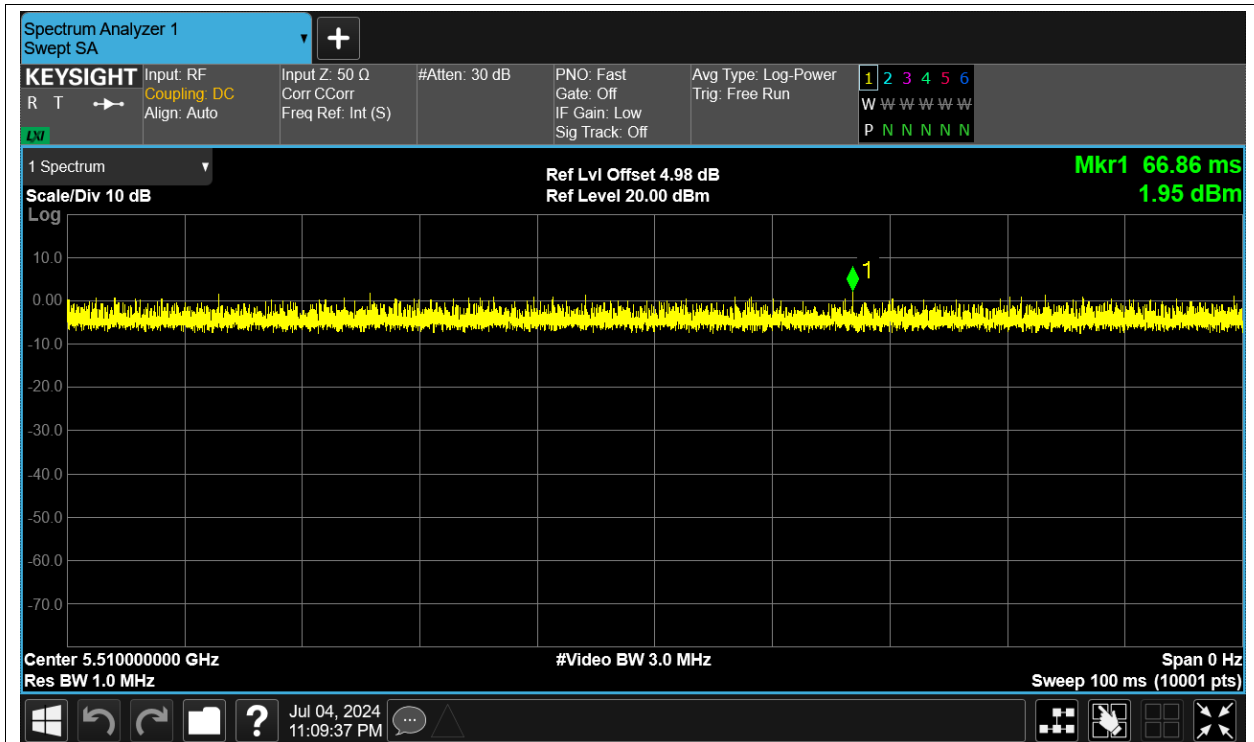
Duty Cycle NVNT n20 5600MHz Ant1



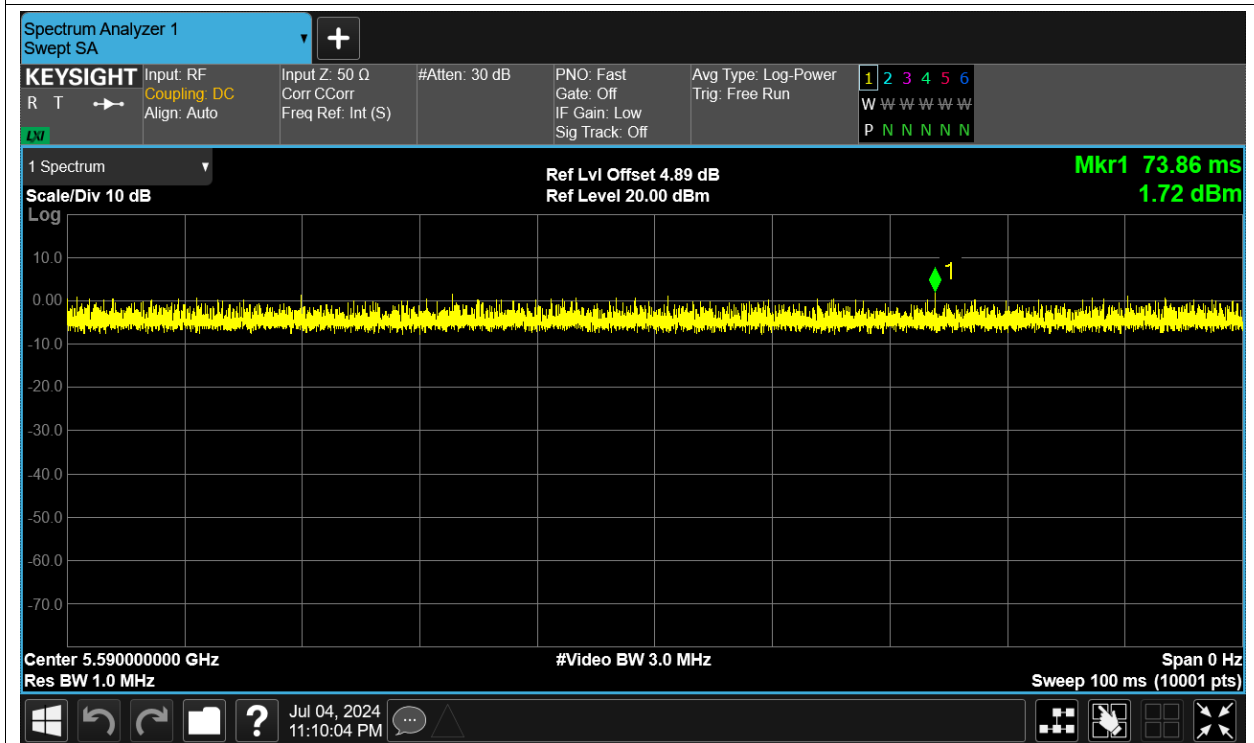
Duty Cycle NVNT n20 5700MHz Ant1



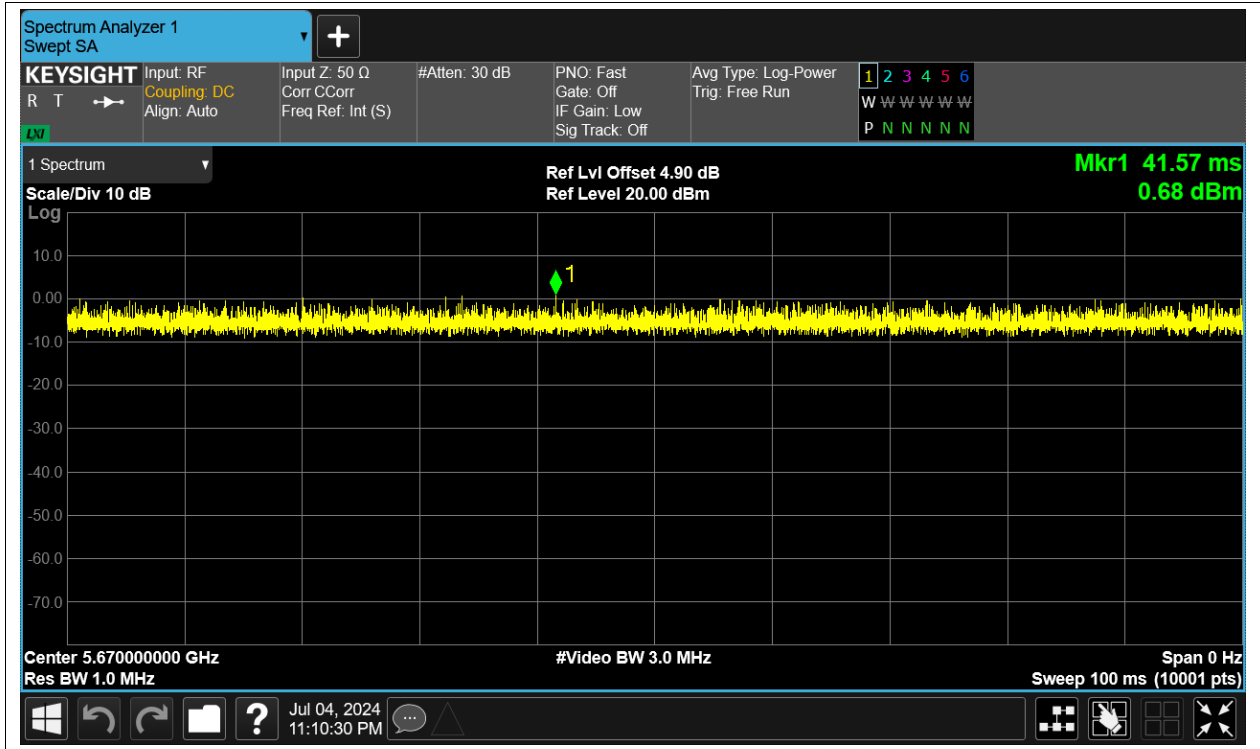
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



Maximum Conducted Output Power

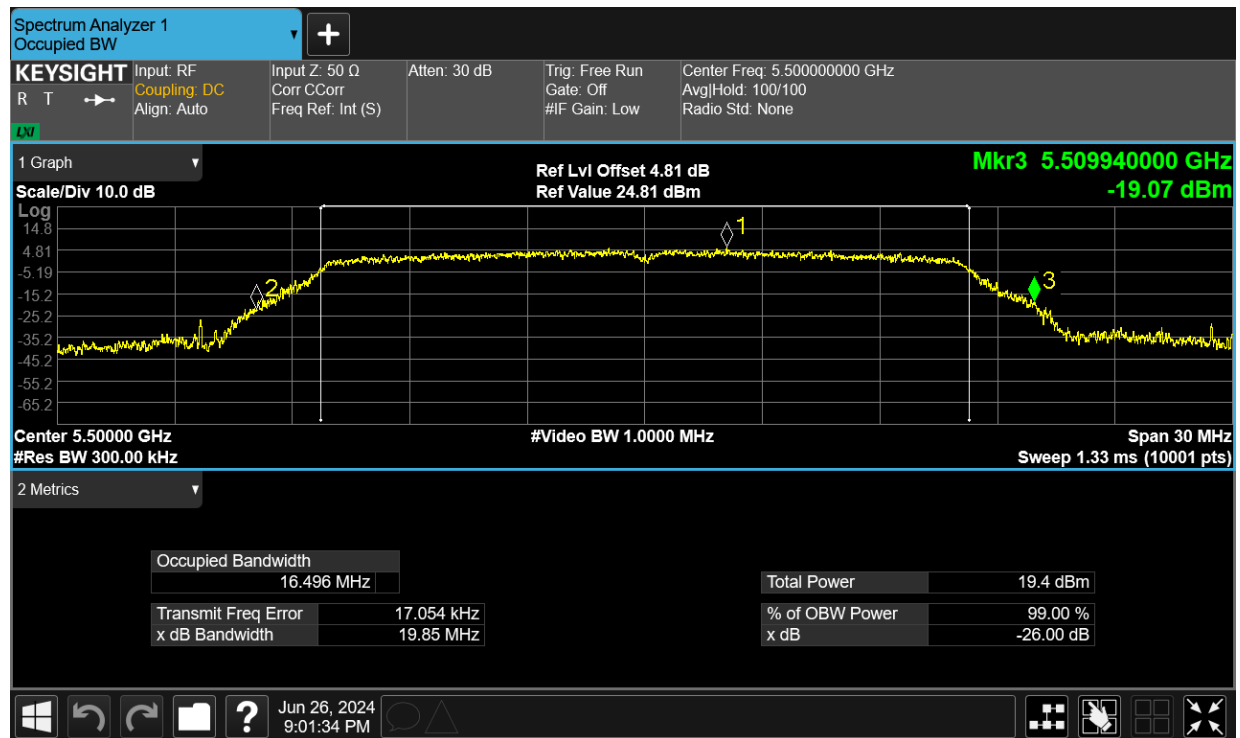
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	11.55	0	11.55	24	Pass
NVNT	a	5600	Ant1	11.9	0	11.9	24	Pass
NVNT	a	5700	Ant1	11.77	0	11.77	24	Pass
NVNT	ac20	5500	Ant1	15.53	0	15.53	24	Pass
NVNT	ac20	5600	Ant1	15.55	0	15.55	24	Pass
NVNT	ac20	5700	Ant1	15.5	0	15.5	24	Pass
NVNT	ac40	5510	Ant1	8.43	0	8.43	24	Pass
NVNT	ac40	5590	Ant1	8.68	0	8.68	24	Pass
NVNT	ac40	5670	Ant1	8.61	0	8.61	24	Pass
NVNT	ac80	5530	Ant1	6.02	0	6.02	24	Pass
NVNT	ac80	5610	Ant1	6.57	0	6.57	24	Pass
NVNT	n20	5500	Ant1	15.9	0	15.9	24	Pass
NVNT	n20	5600	Ant1	15.79	0	15.79	24	Pass
NVNT	n20	5700	Ant1	15.5	0	15.5	24	Pass
NVNT	n40	5510	Ant1	8.66	0	8.66	24	Pass
NVNT	n40	5590	Ant1	8.78	0	8.78	24	Pass
NVNT	n40	5670	Ant1	8.57	0	8.57	24	Pass

-26dB Bandwidth

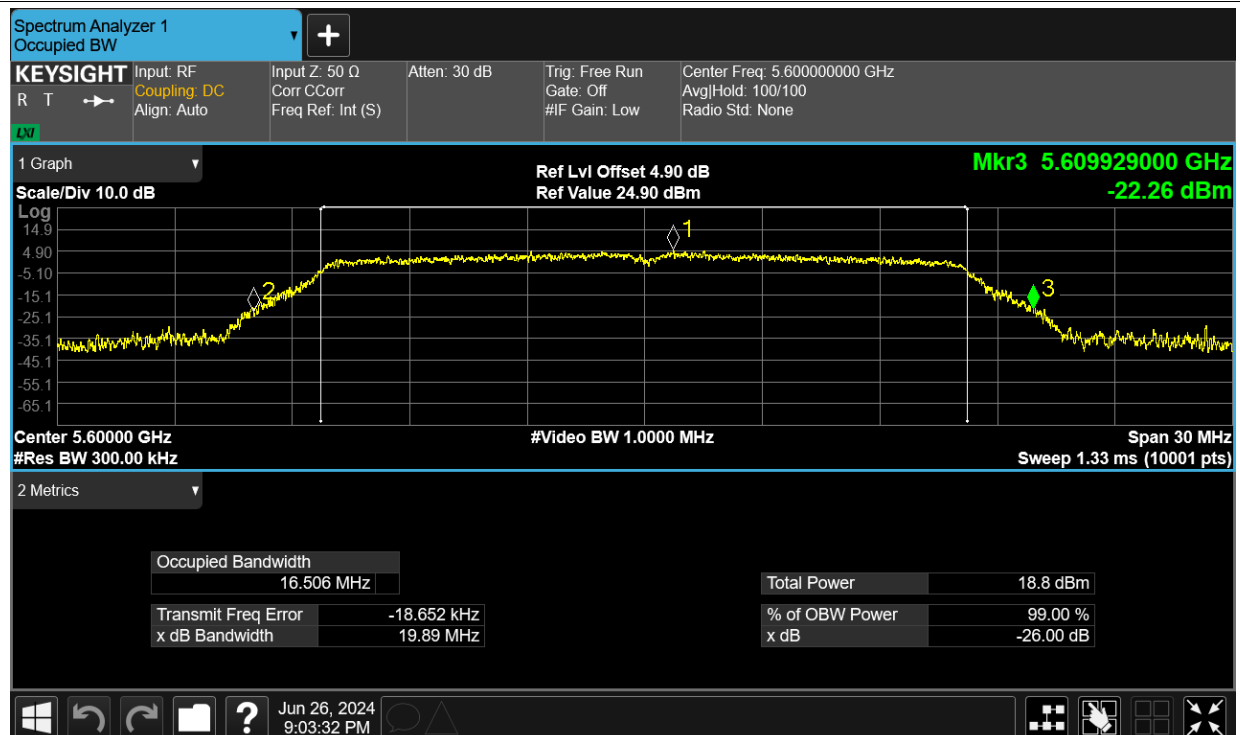
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	19.847
NVNT	a	5600	Ant1	19.895
NVNT	a	5700	Ant1	20.005
NVNT	ac20	5500	Ant1	20.293
NVNT	ac20	5600	Ant1	20.309
NVNT	ac20	5700	Ant1	20.185
NVNT	ac40	5510	Ant1	39.478
NVNT	ac40	5590	Ant1	39.655
NVNT	ac40	5670	Ant1	39.873
NVNT	ac80	5530	Ant1	78.625
NVNT	ac80	5610	Ant1	79.007
NVNT	n20	5500	Ant1	20.086
NVNT	n20	5600	Ant1	20.245
NVNT	n20	5700	Ant1	20.496
NVNT	n40	5510	Ant1	39.372
NVNT	n40	5590	Ant1	39.226
NVNT	n40	5670	Ant1	39.471

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



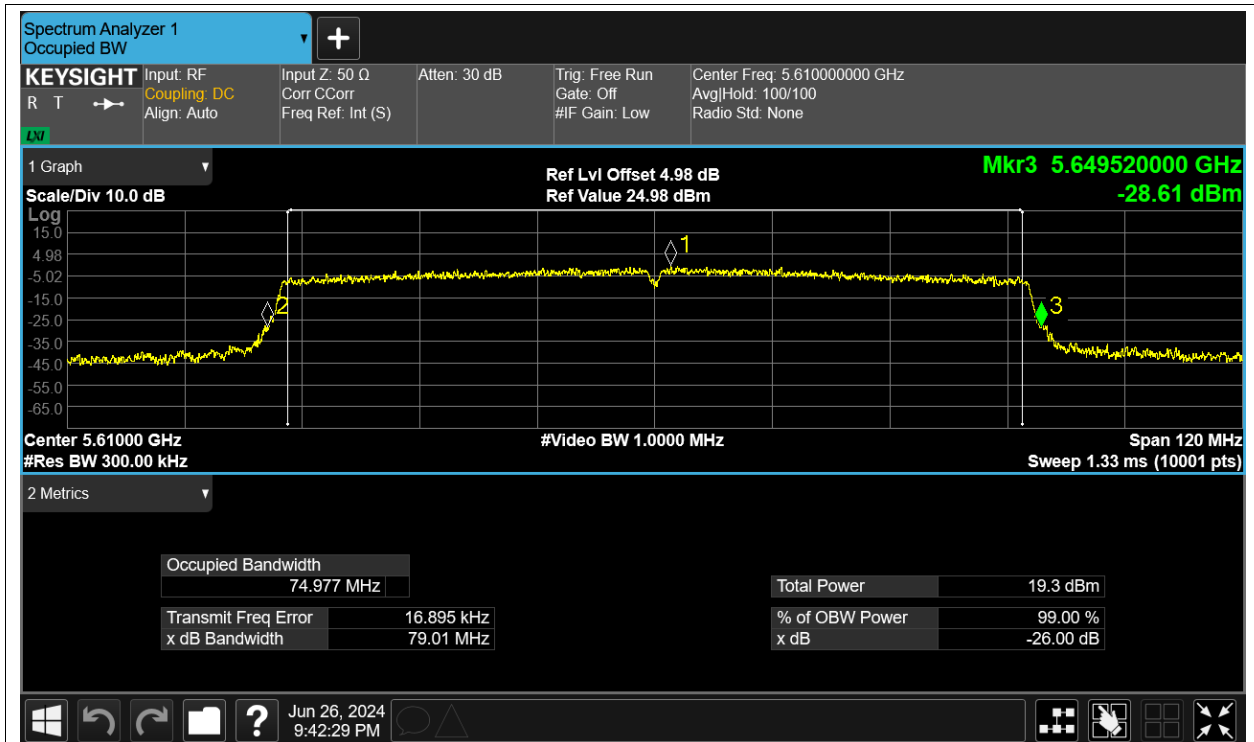
-26dB Bandwidth NVNT ac40 5670MHz Ant1



-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

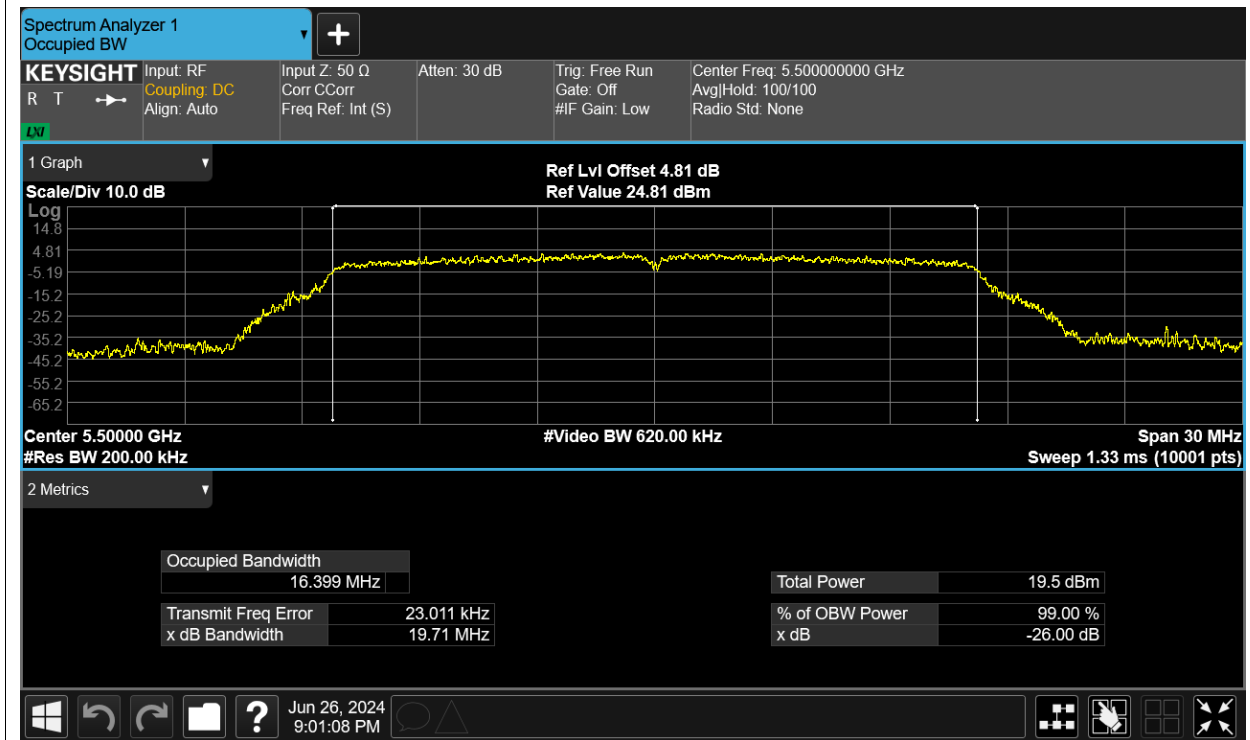


Occupied Channel Bandwidth

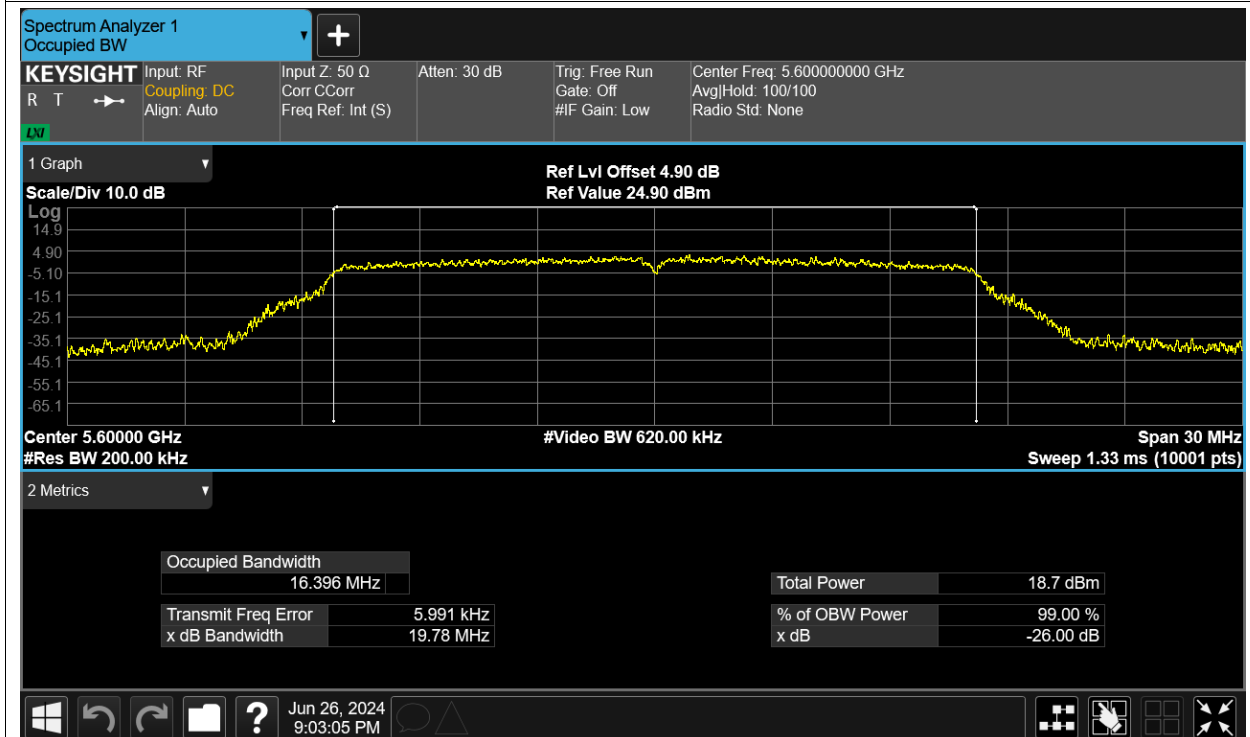
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.399
NVNT	a	5600	Ant1	16.396
NVNT	a	5700	Ant1	16.389
NVNT	ac20	5500	Ant1	17.532
NVNT	ac20	5600	Ant1	17.542
NVNT	ac20	5700	Ant1	17.523
NVNT	ac40	5510	Ant1	35.851
NVNT	ac40	5590	Ant1	35.839
NVNT	ac40	5670	Ant1	35.962
NVNT	ac80	5530	Ant1	75.015
NVNT	ac80	5610	Ant1	74.962
NVNT	n20	5500	Ant1	17.559
NVNT	n20	5600	Ant1	17.555
NVNT	n20	5700	Ant1	17.54
NVNT	n40	5510	Ant1	35.906
NVNT	n40	5590	Ant1	35.864
NVNT	n40	5670	Ant1	35.93

Test Graphs

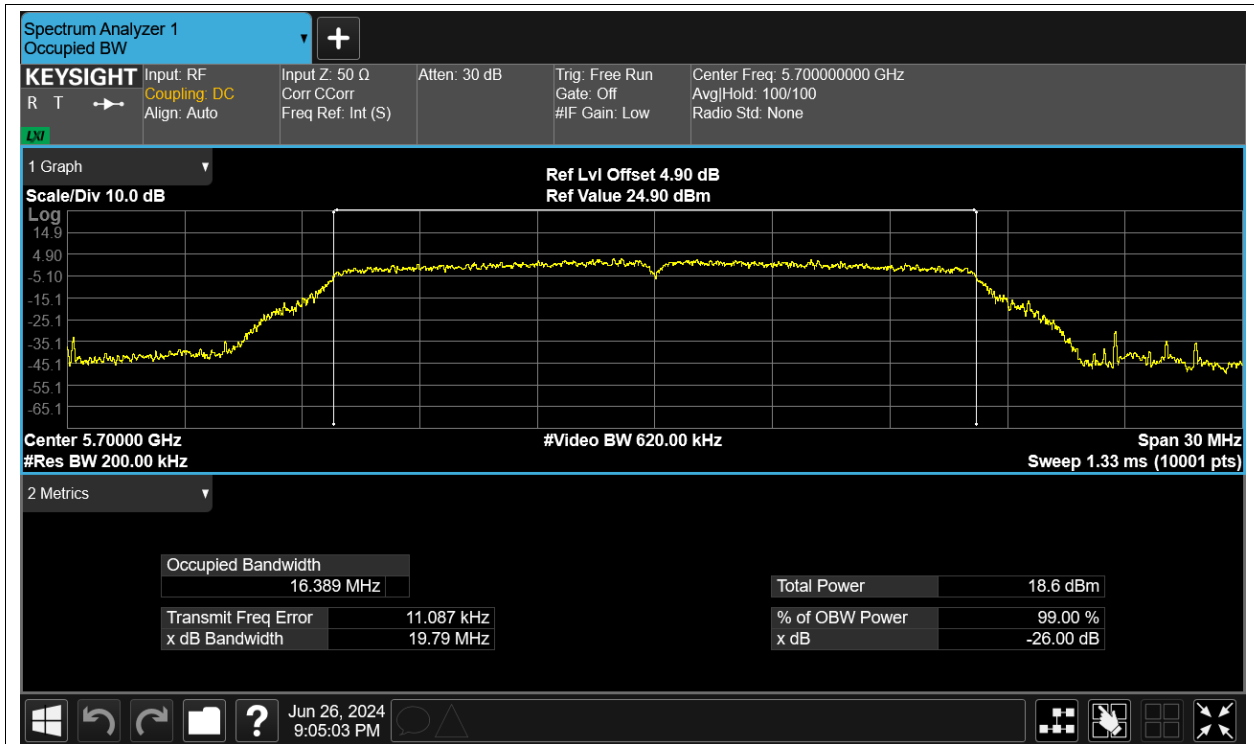
OBW NVNT a 5500MHz Ant1



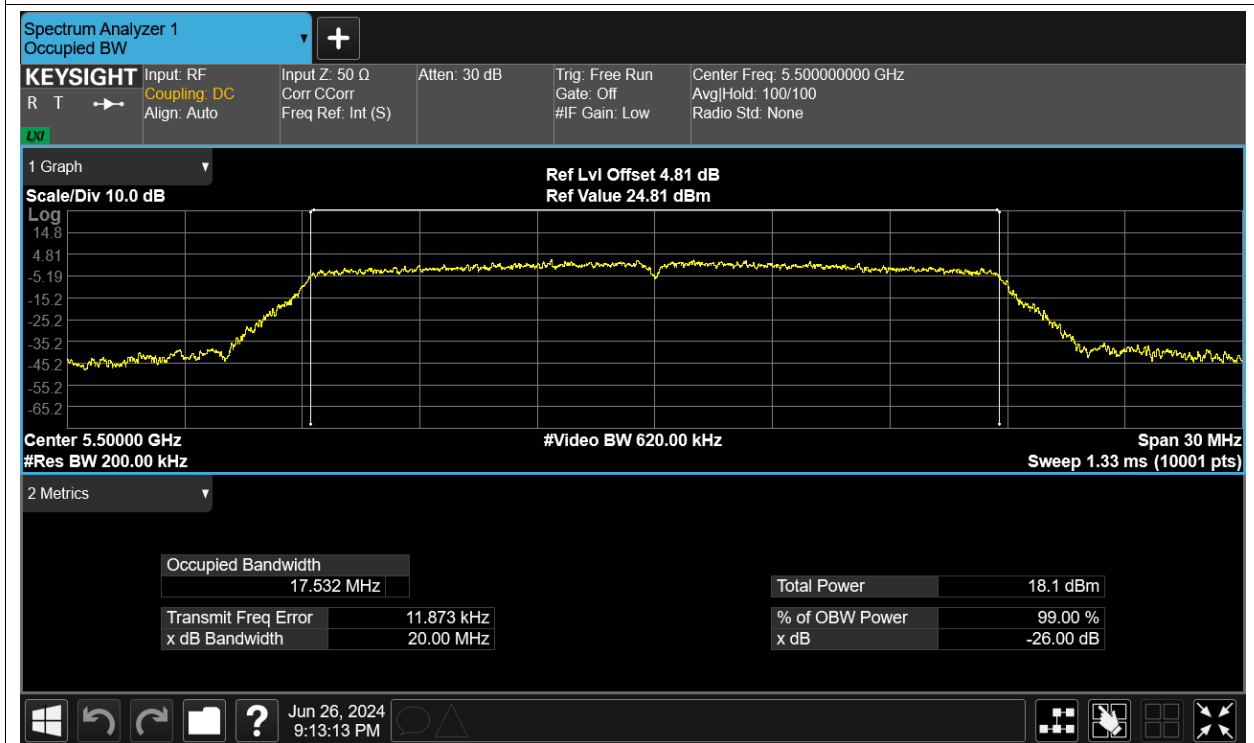
OBW NVNT a 5600MHz Ant1



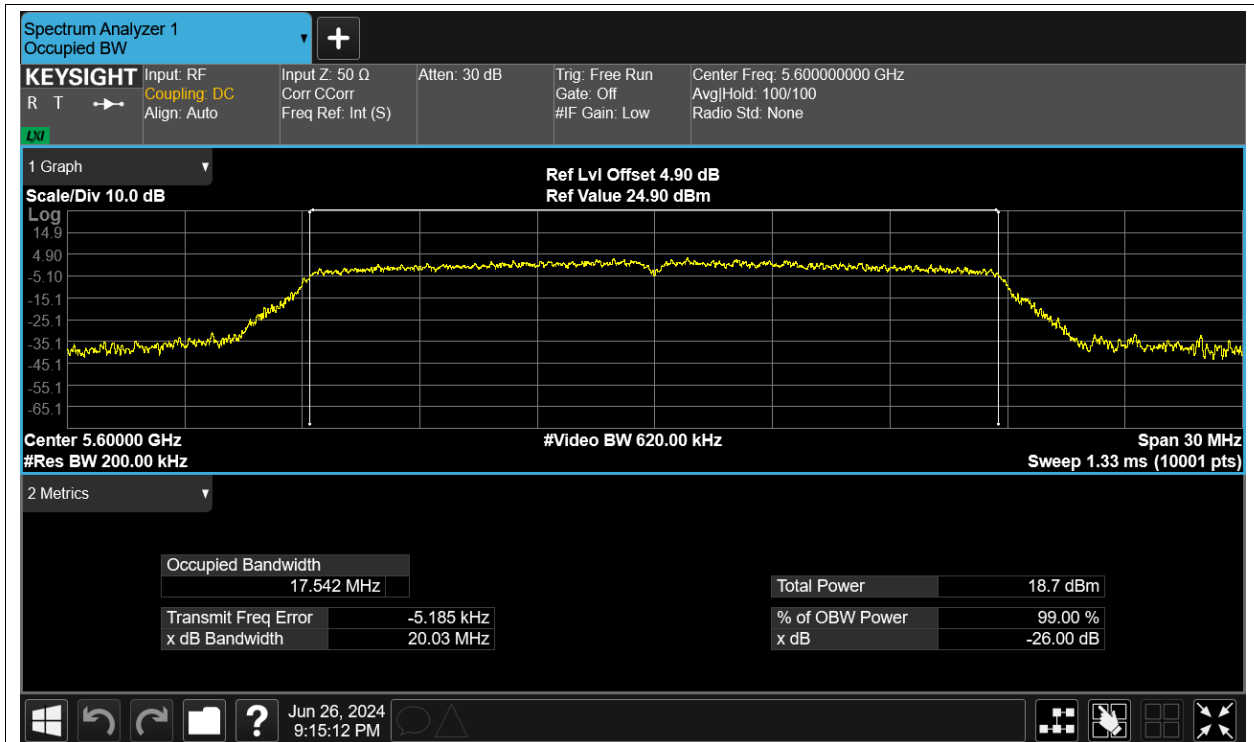
OBW NVNT a 5700MHz Ant1



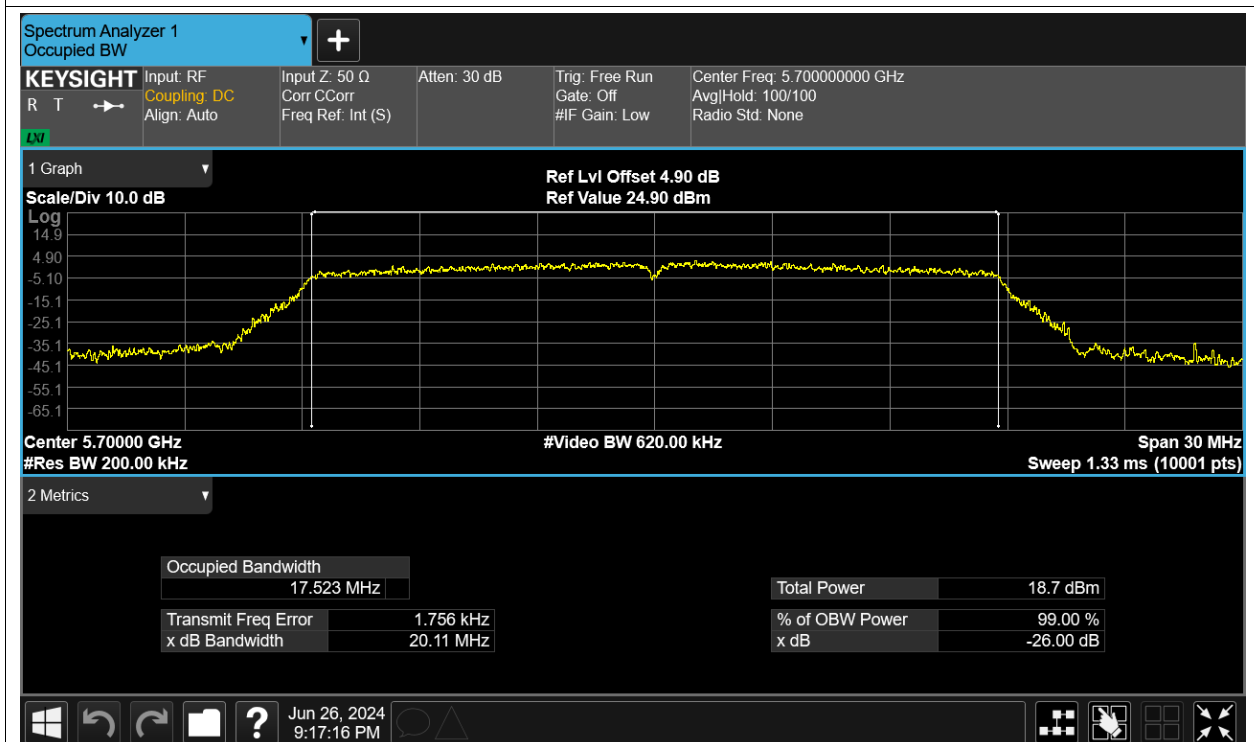
OBW NVNT ac20 5500MHz Ant1



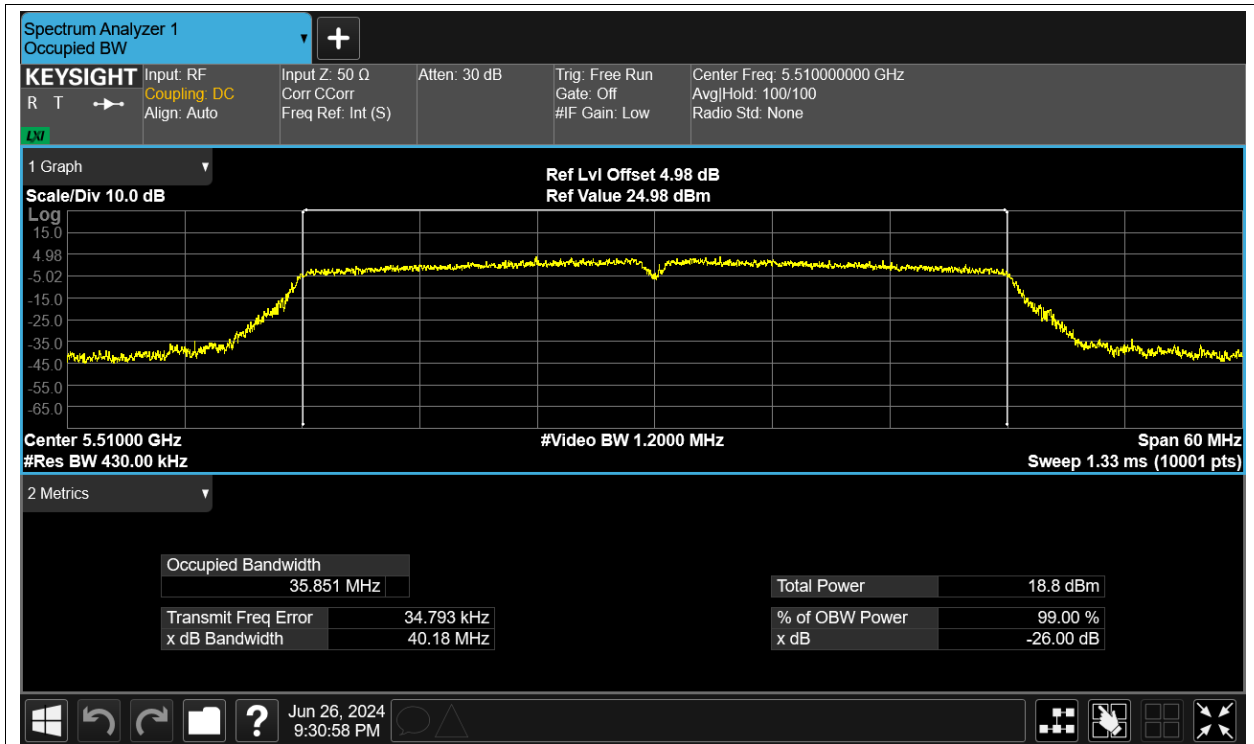
OBW NVNT ac20 5600MHz Ant1



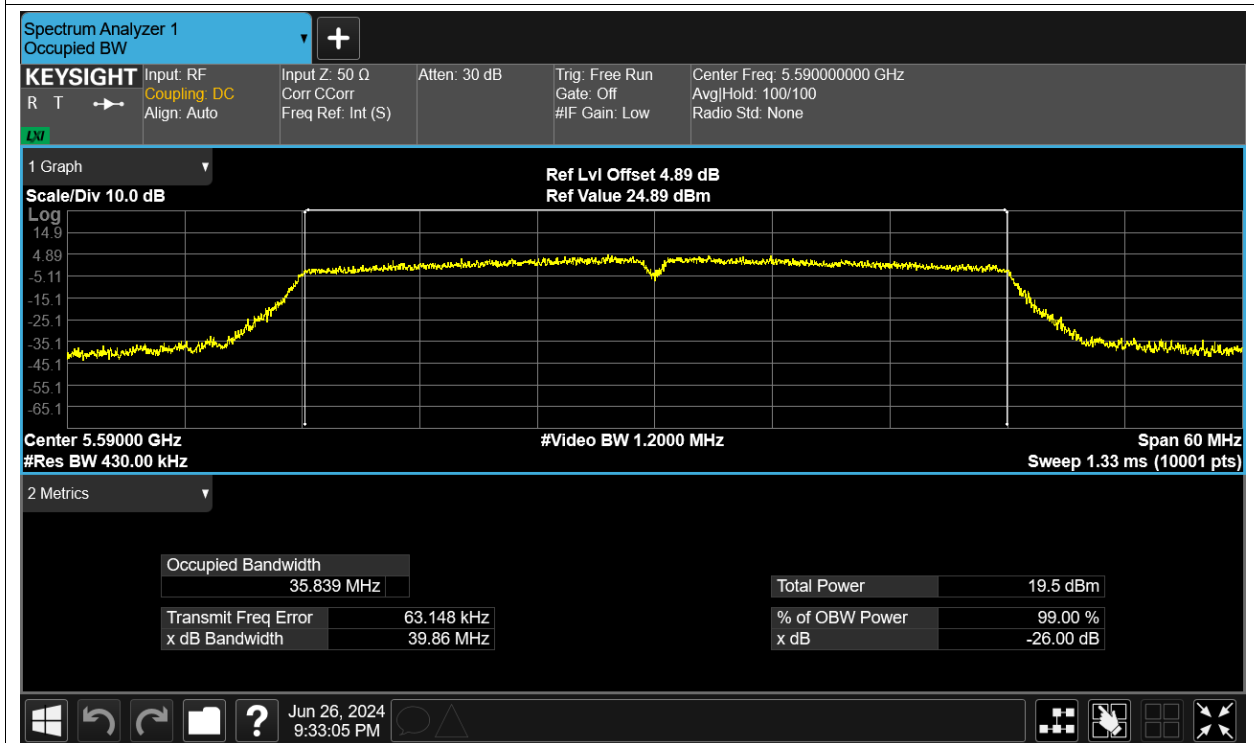
OBW NVNT ac20 5700MHz Ant1



OBW NVNT ac40 5510MHz Ant1



OBW NVNT ac40 5590MHz Ant1



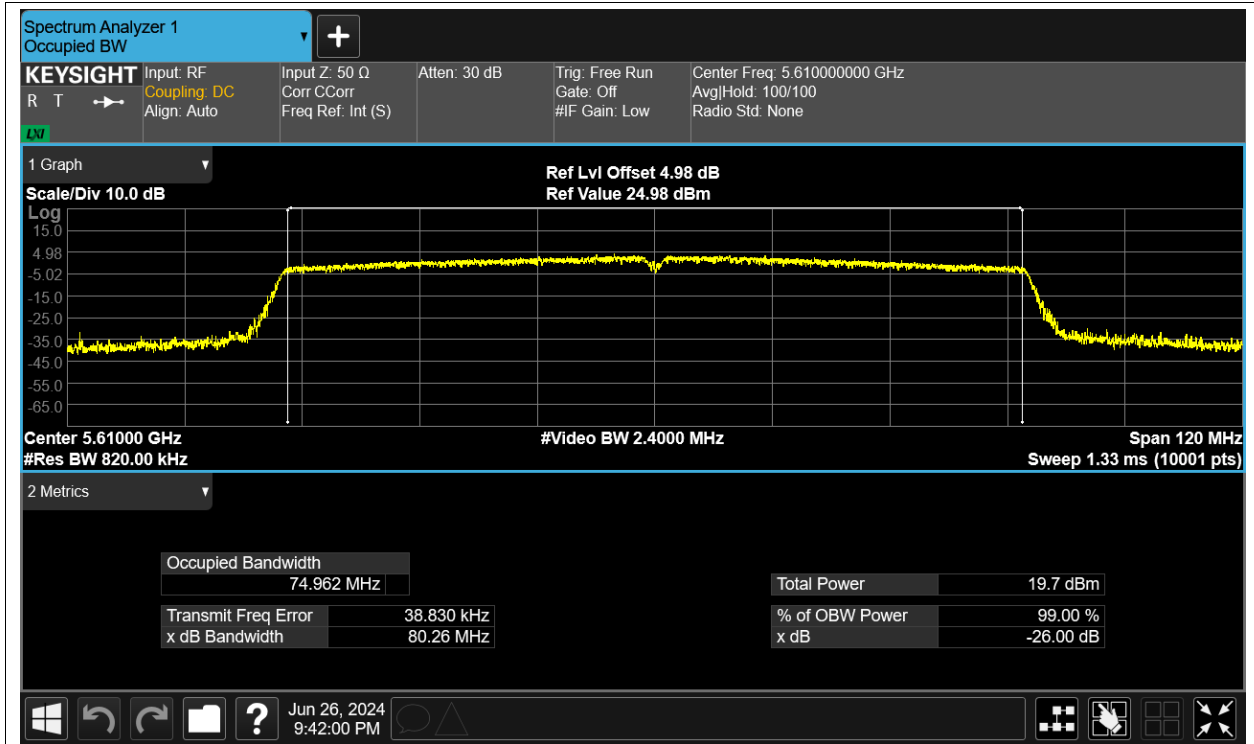
OBW NVNT ac40 5670MHz Ant1



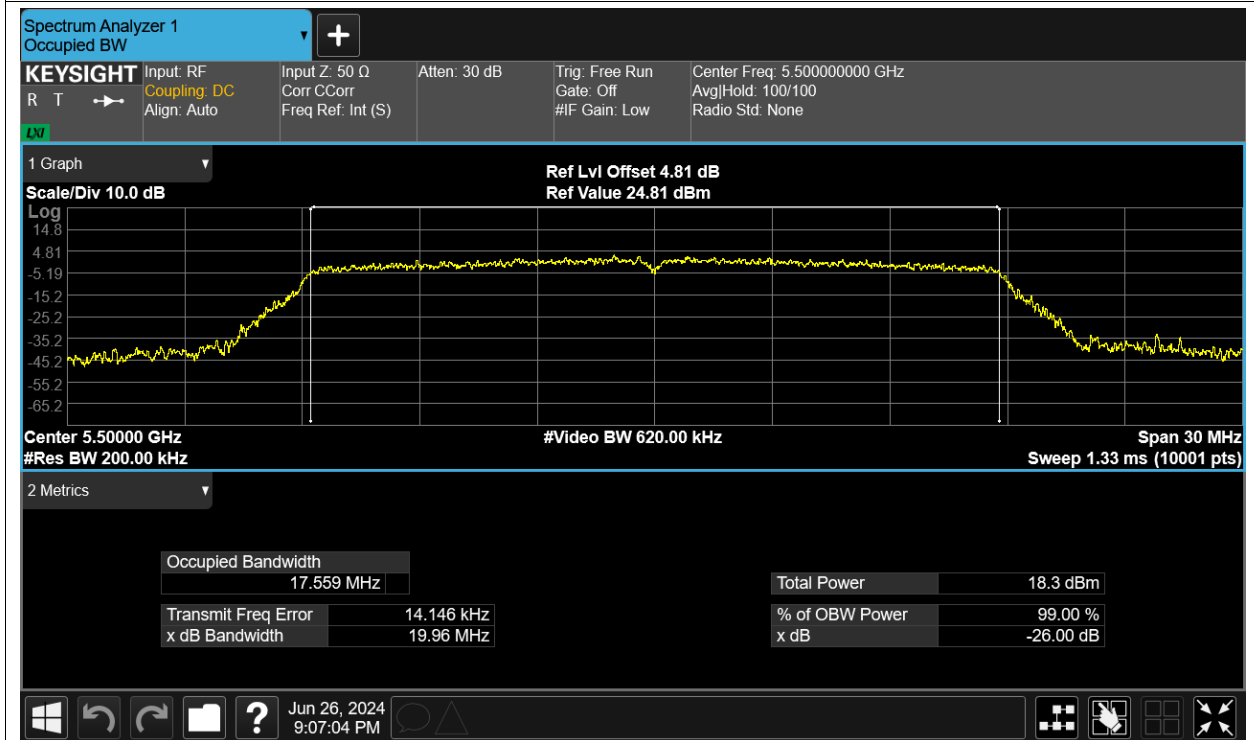
OBW NVNT ac80 5530MHz Ant1



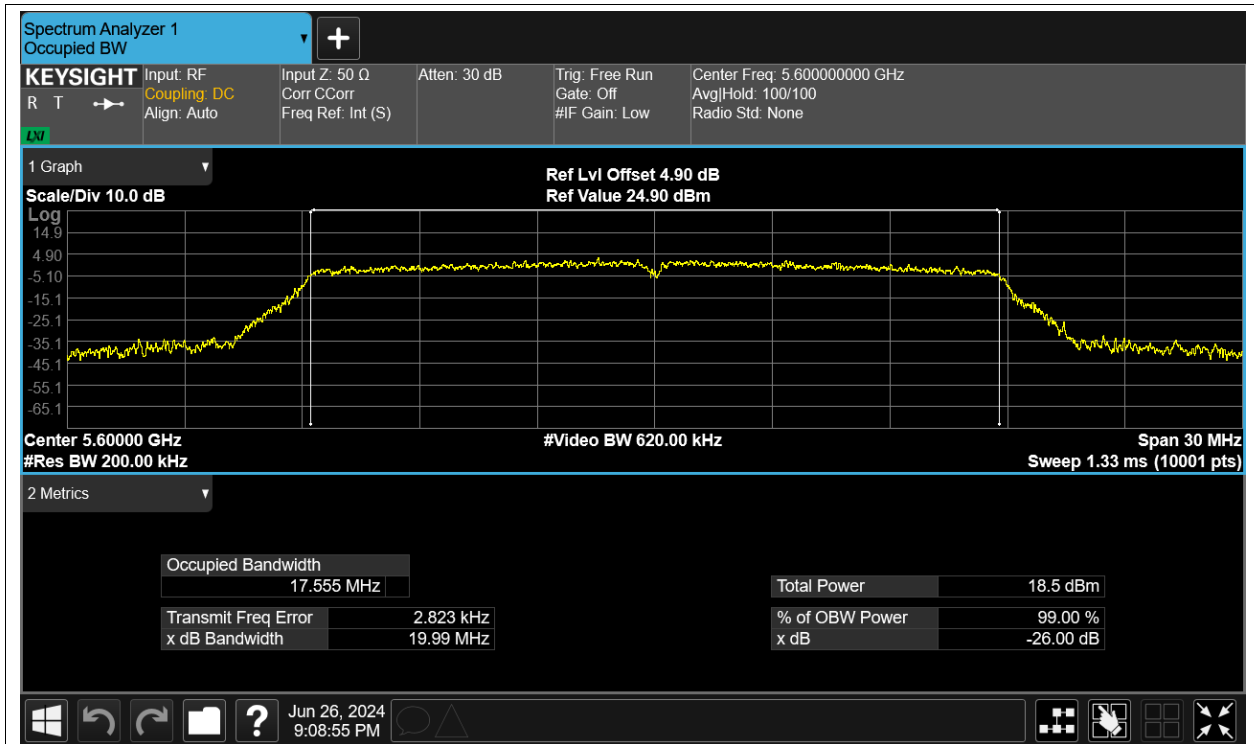
OBW NVNT ac80 5610MHz Ant1



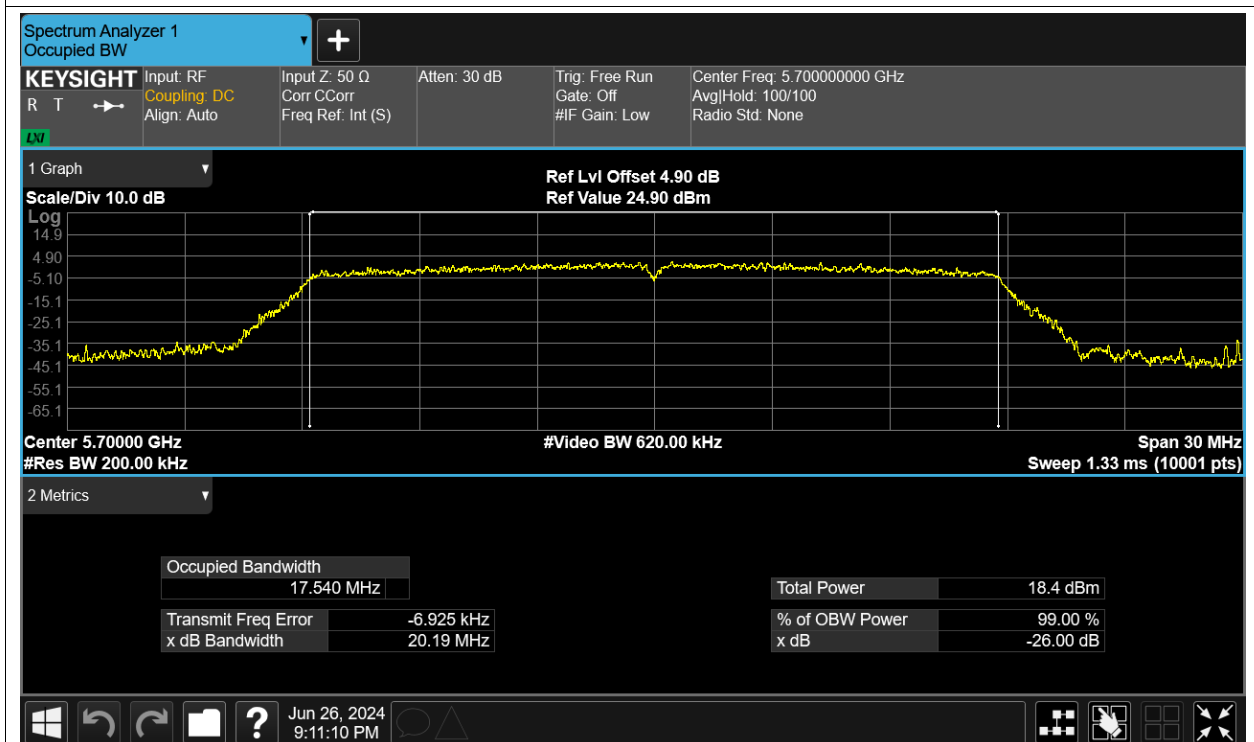
OBW NVNT n20 5500MHz Ant1



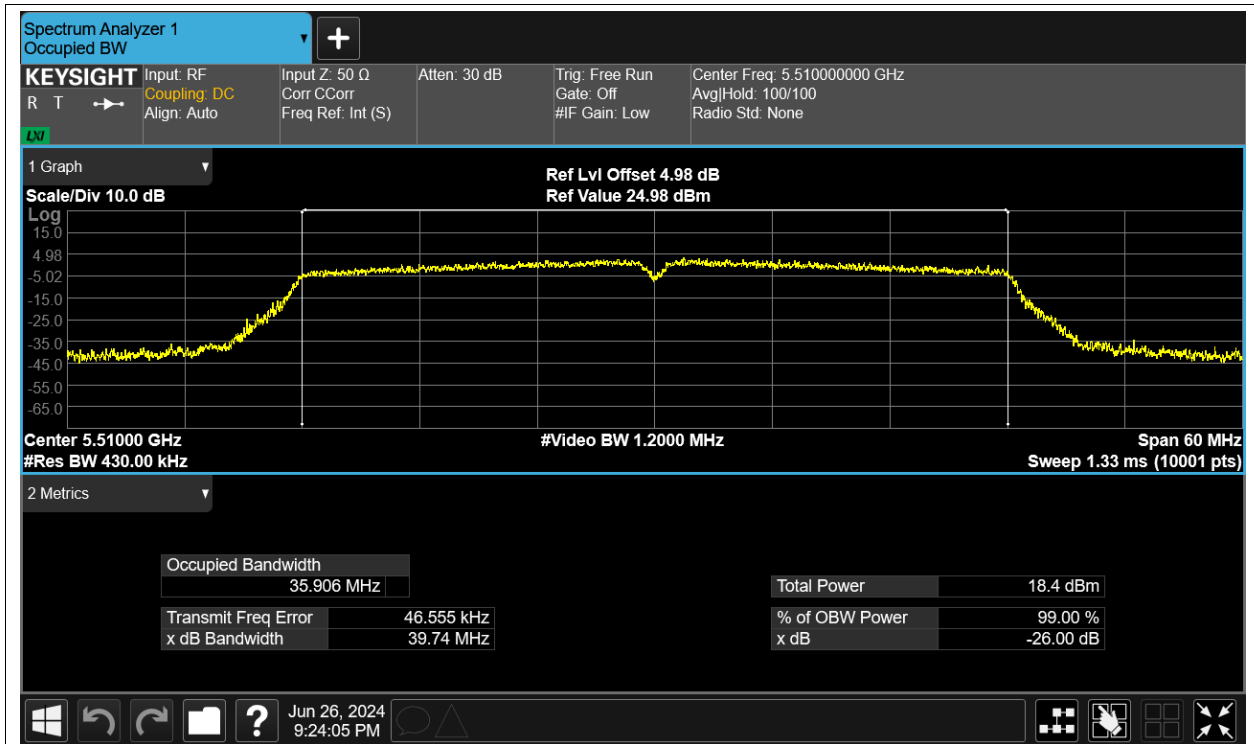
OBW NVNT n20 5600MHz Ant1



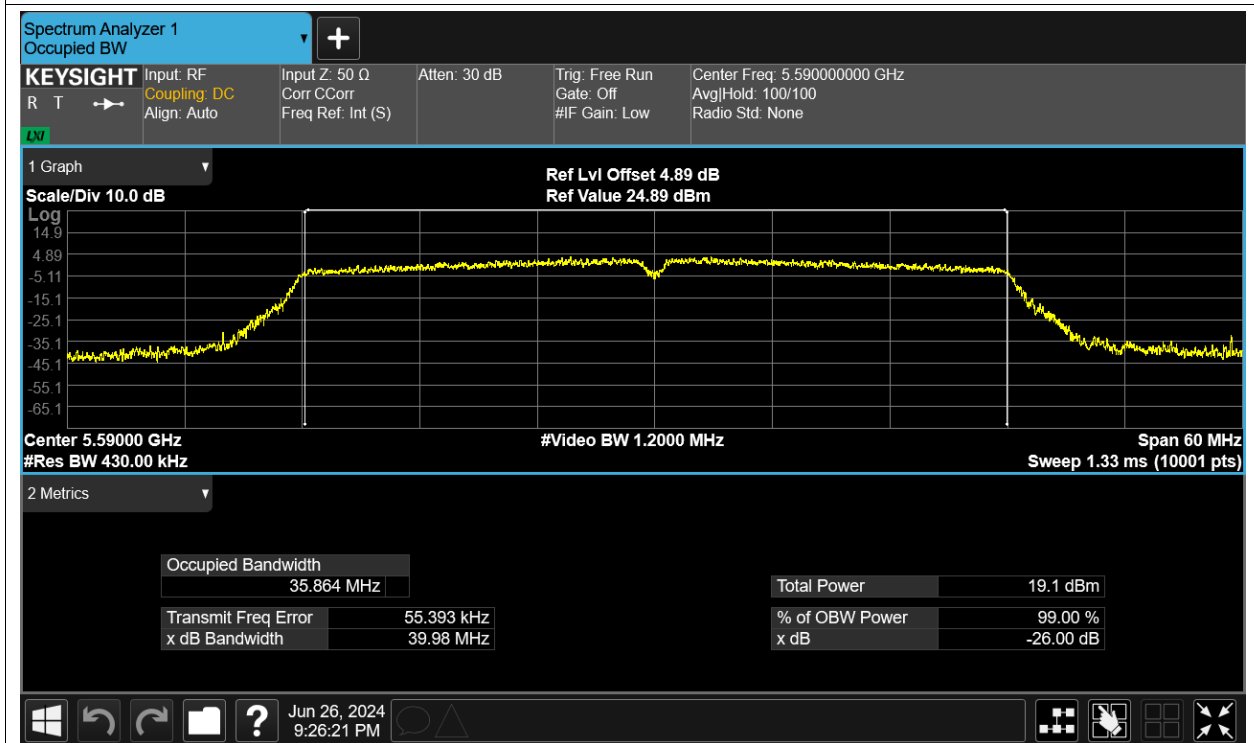
OBW NVNT n20 5700MHz Ant1



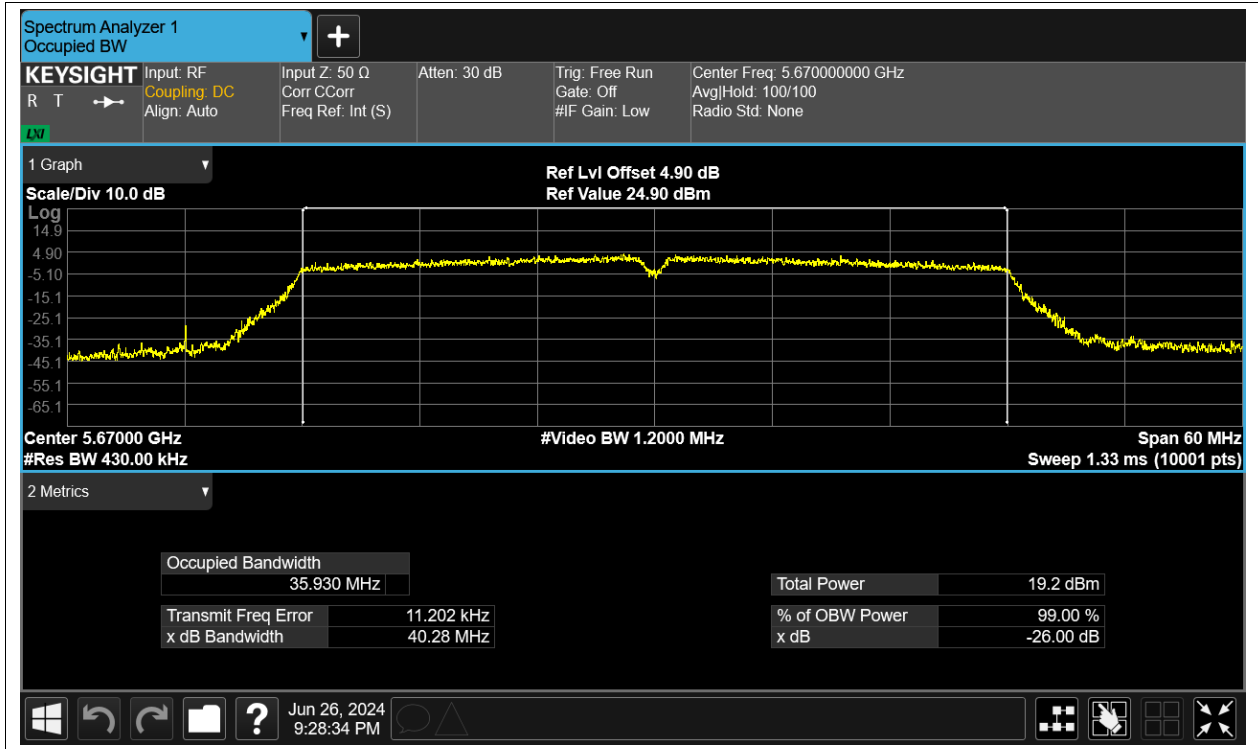
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1

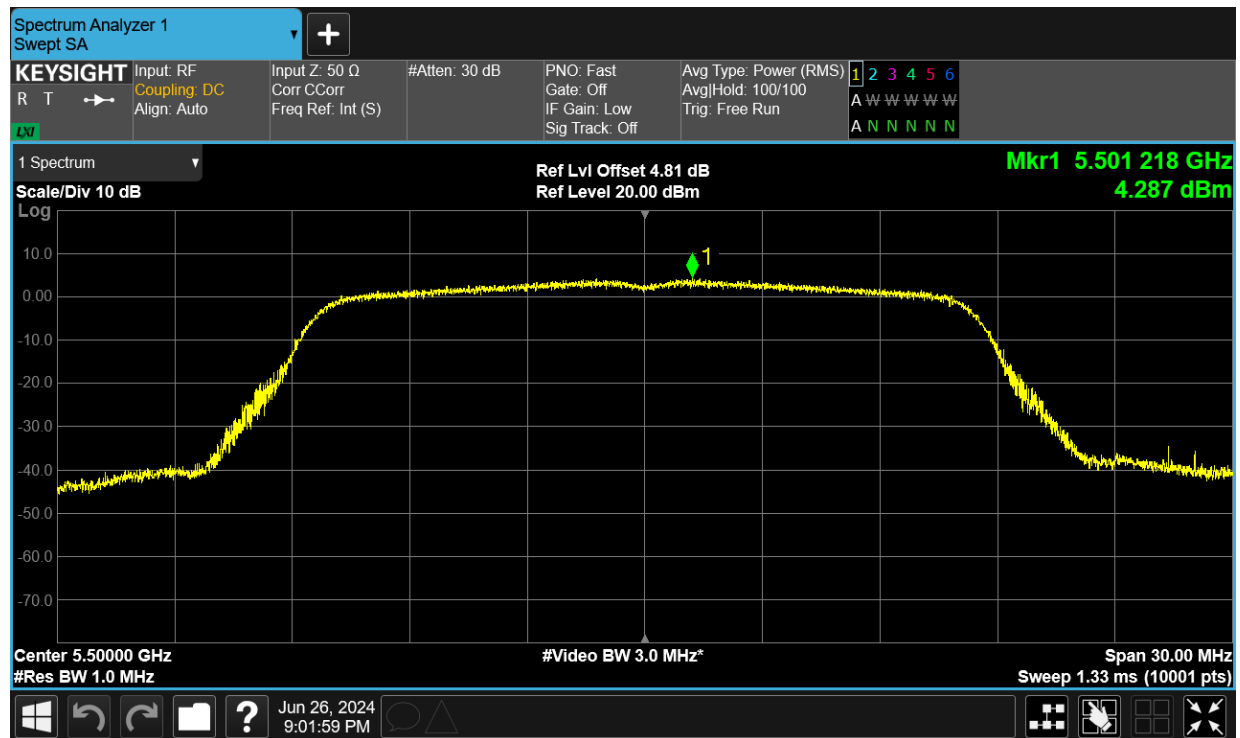


Maximum Power Spectral Density Level

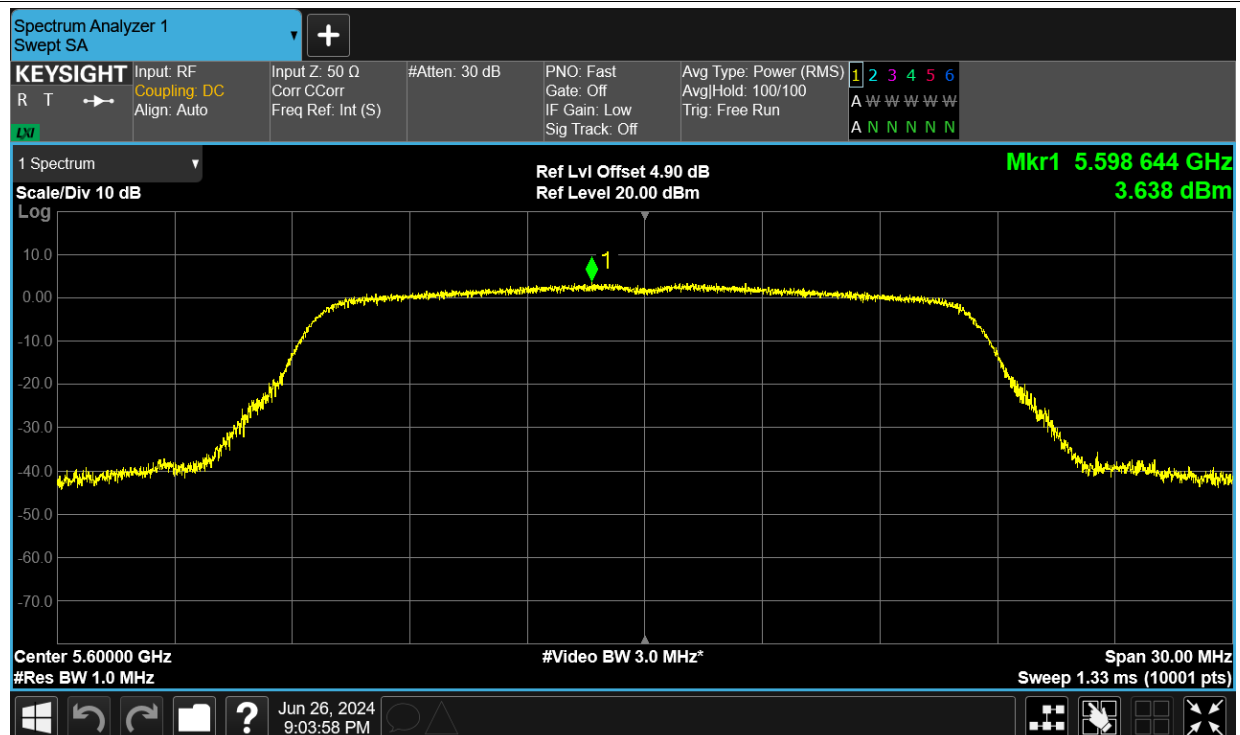
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	4.287	11	Pass
NVNT	a	5600	Ant1	3.638	11	Pass
NVNT	a	5700	Ant1	3.739	11	Pass
NVNT	ac20	5500	Ant1	2.844	11	Pass
NVNT	ac20	5600	Ant1	3.371	11	Pass
NVNT	ac20	5700	Ant1	3.178	11	Pass
NVNT	ac40	5510	Ant1	0.467	11	Pass
NVNT	ac40	5590	Ant1	1.273	11	Pass
NVNT	ac40	5670	Ant1	0.148	11	Pass
NVNT	ac80	5530	Ant1	-3.097	11	Pass
NVNT	ac80	5610	Ant1	-2.7	11	Pass
NVNT	n20	5500	Ant1	2.928	11	Pass
NVNT	n20	5600	Ant1	3.366	11	Pass
NVNT	n20	5700	Ant1	3.284	11	Pass
NVNT	n40	5510	Ant1	0.178	11	Pass
NVNT	n40	5590	Ant1	0.737	11	Pass
NVNT	n40	5667	Ant1	0.925	11	Pass

Test Graphs

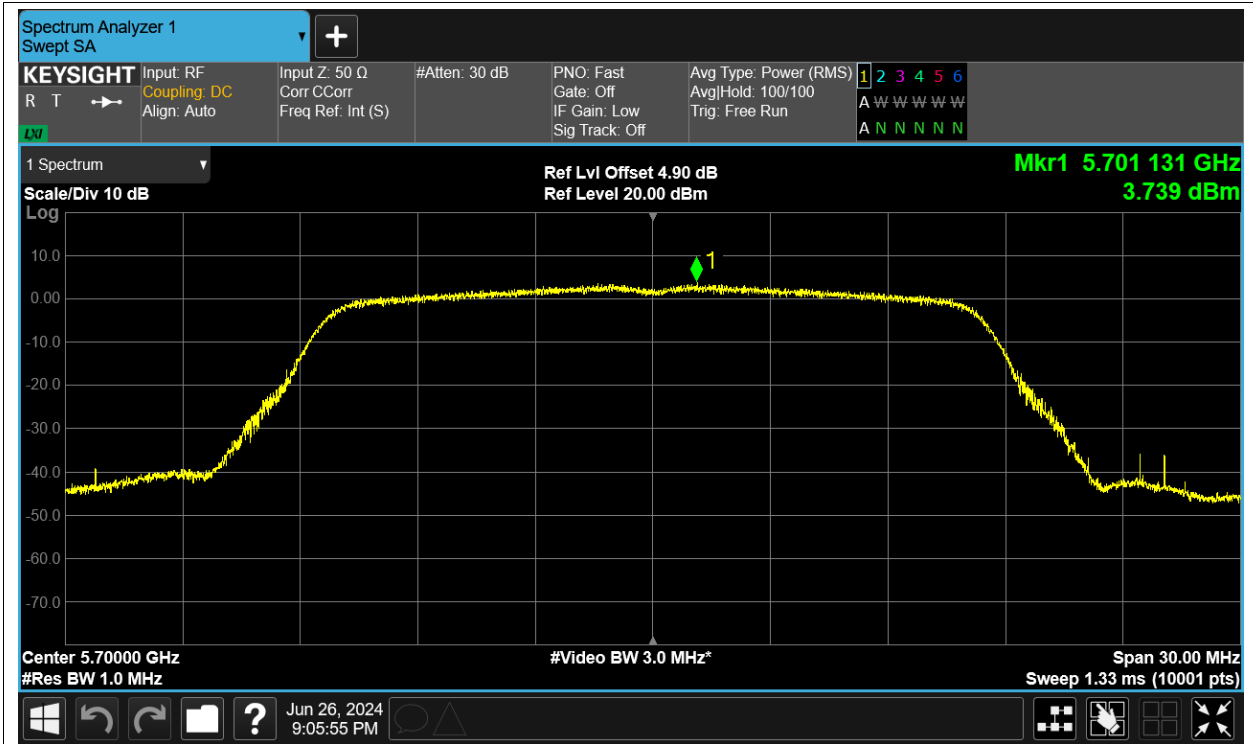
PSD NVNT a 5500MHz Ant1



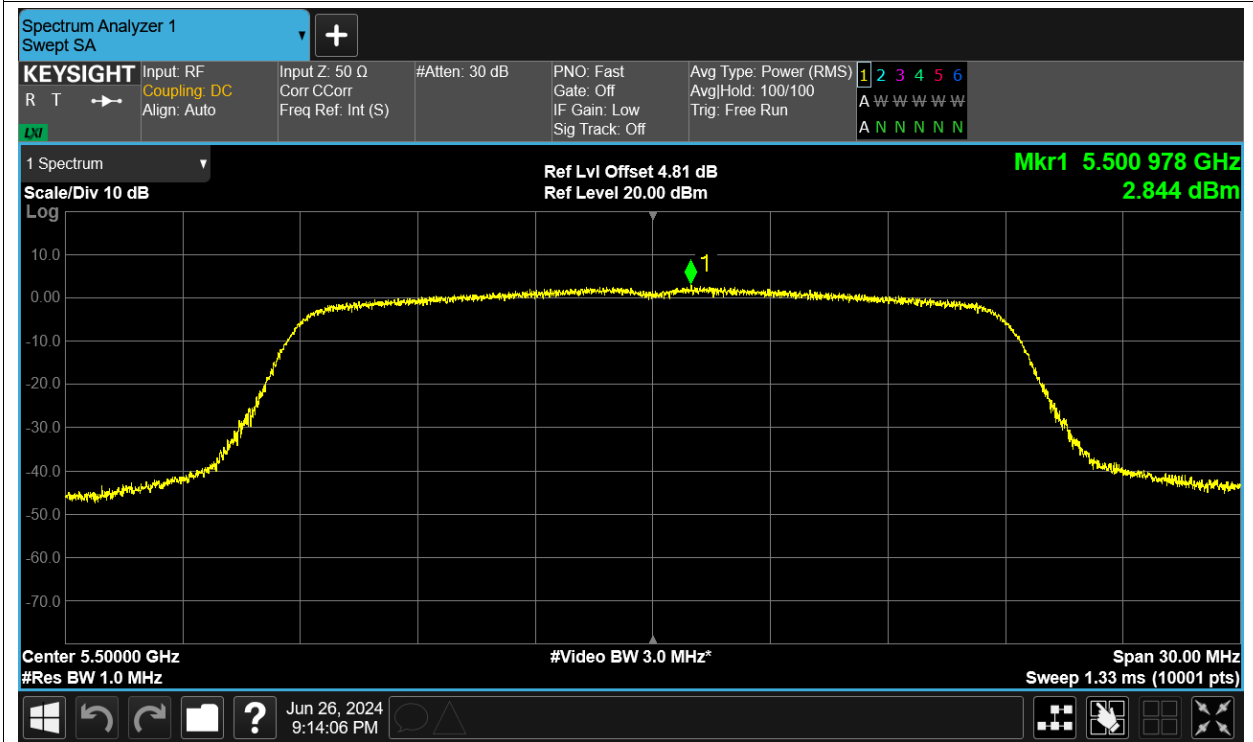
PSD NVNT a 5600MHz Ant1



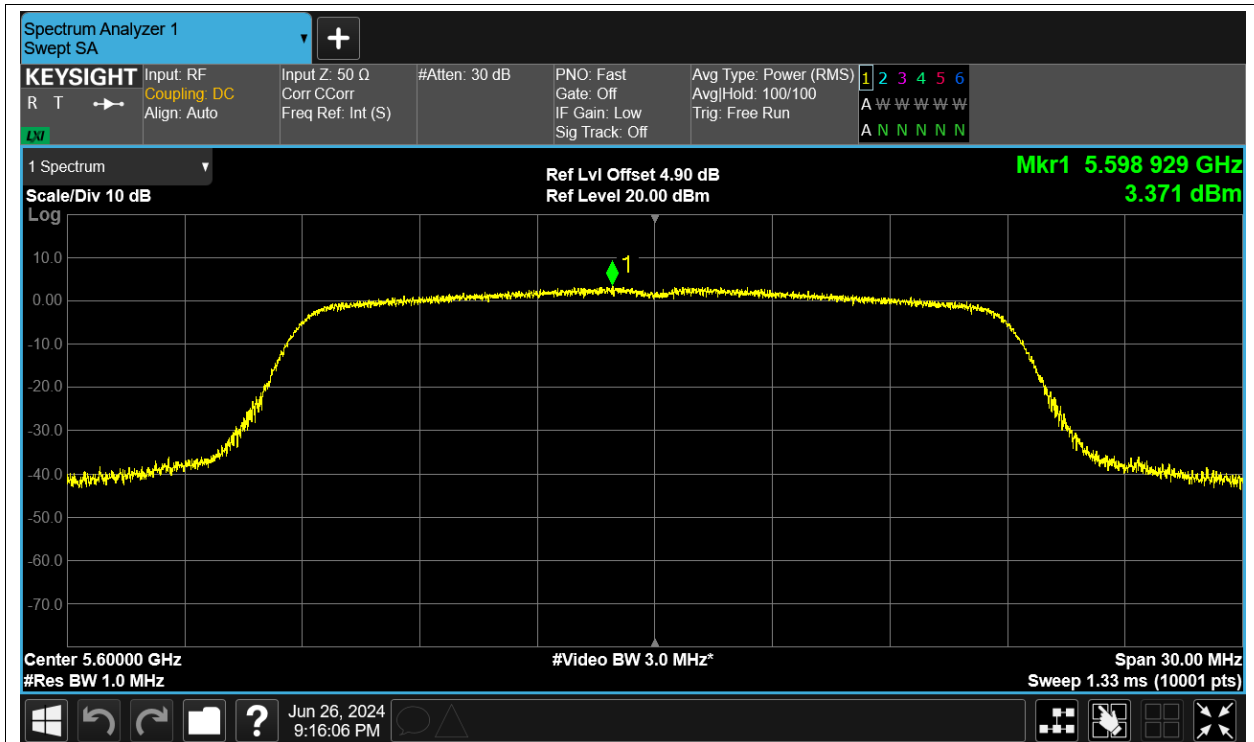
PSD NVNT a 5700MHz Ant1



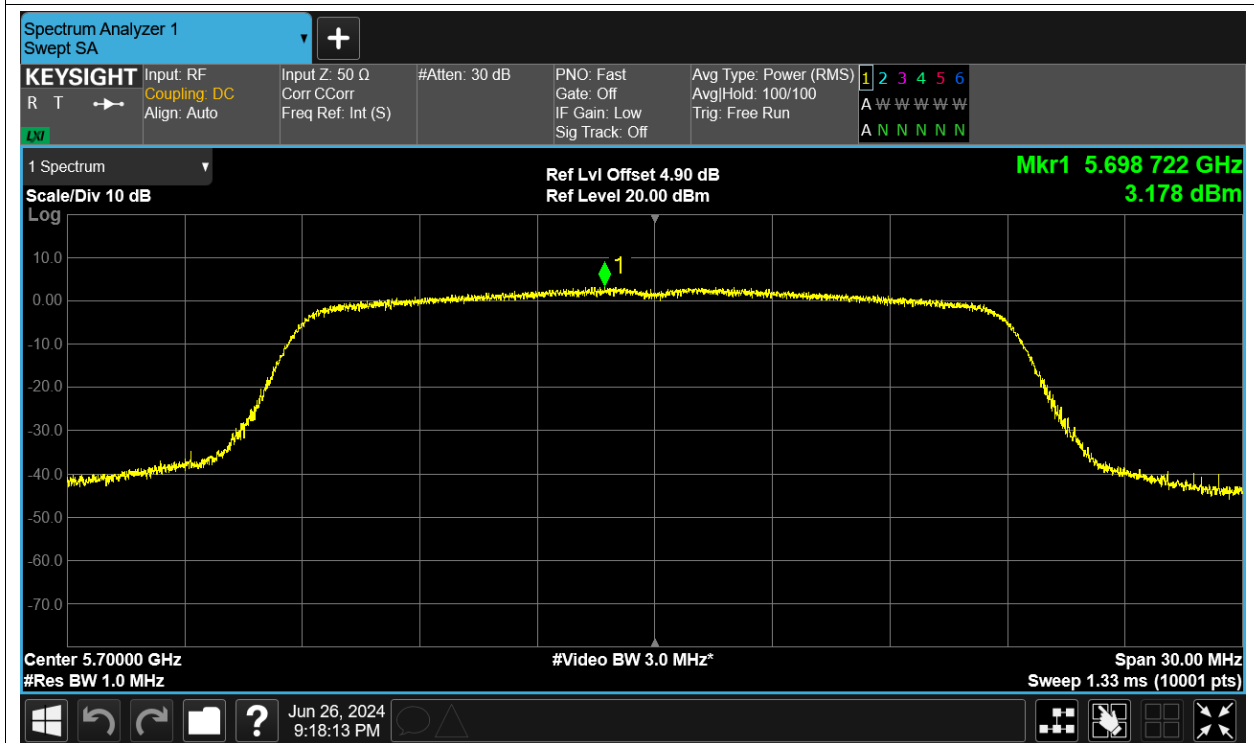
PSD NVNT ac20 5500MHz Ant1



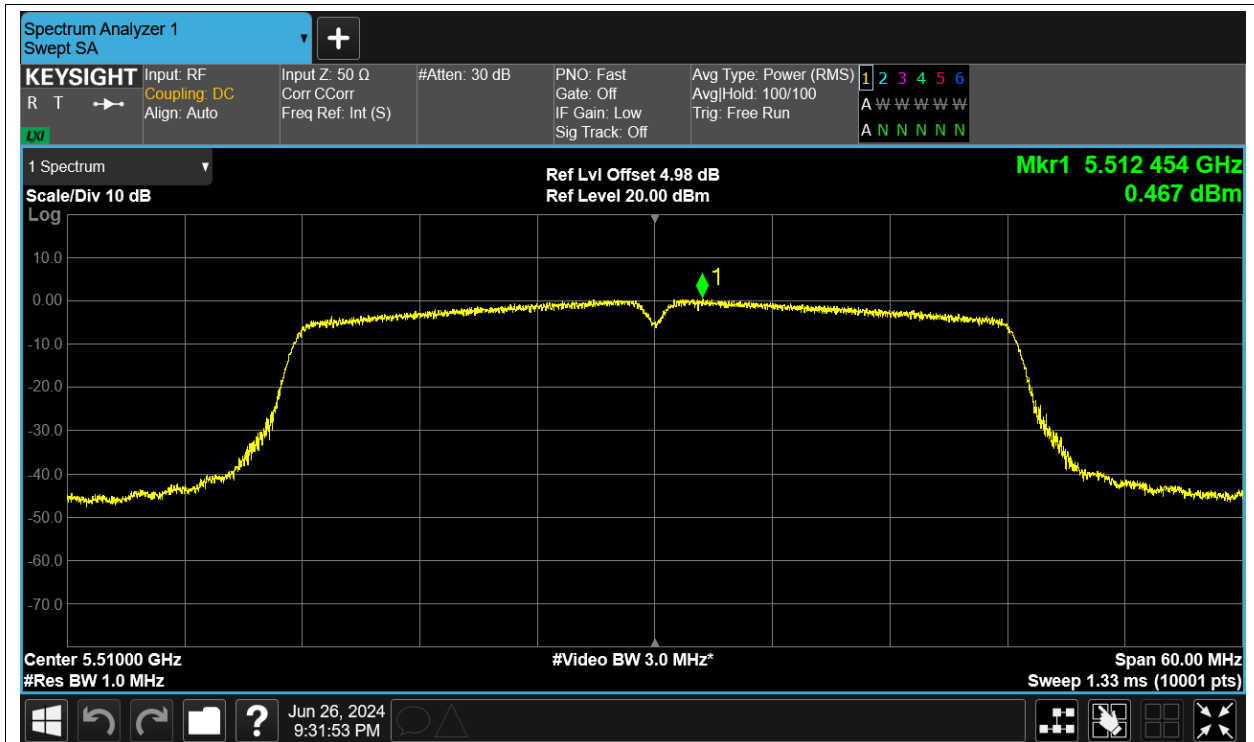
PSD NVNT ac20 5600MHz Ant1



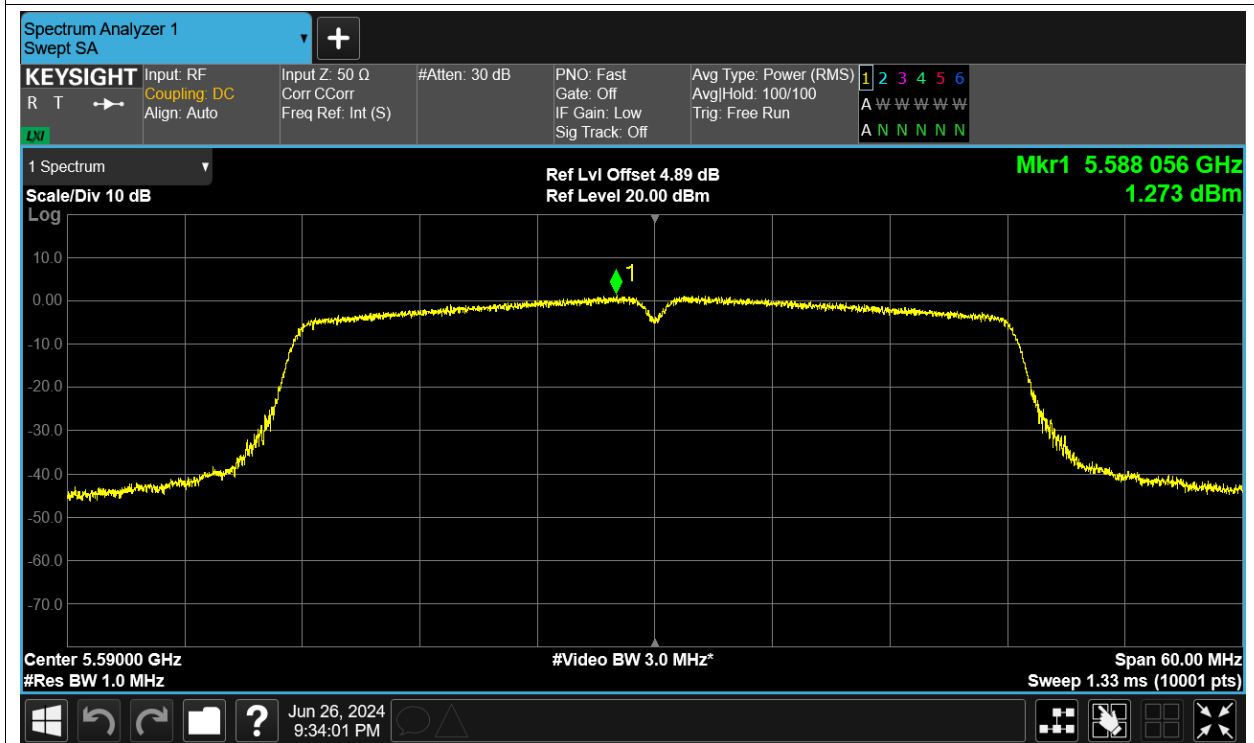
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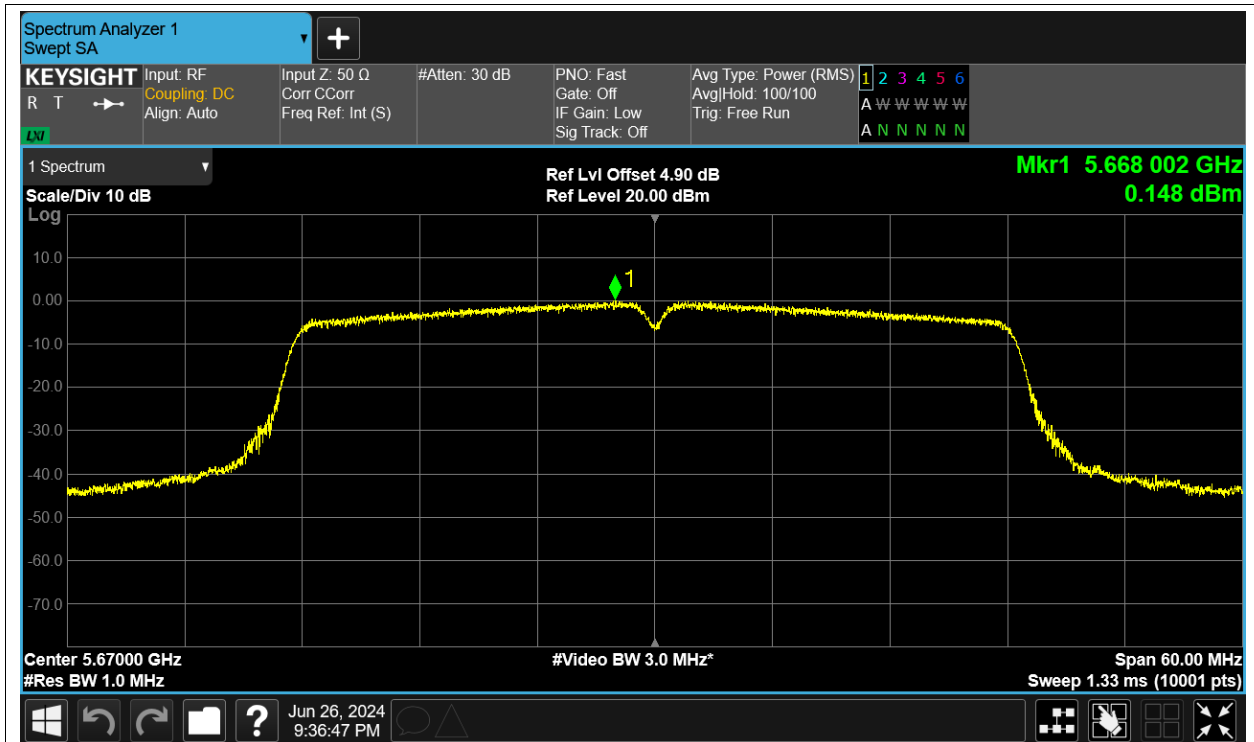
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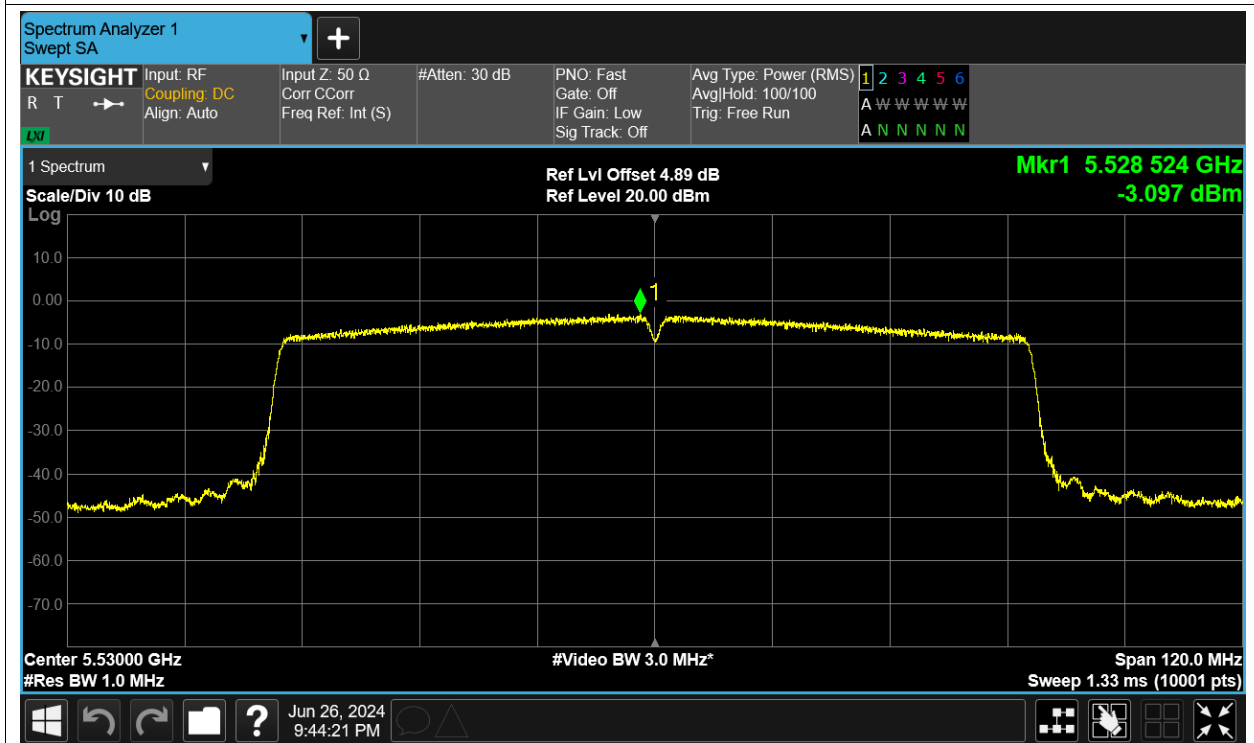
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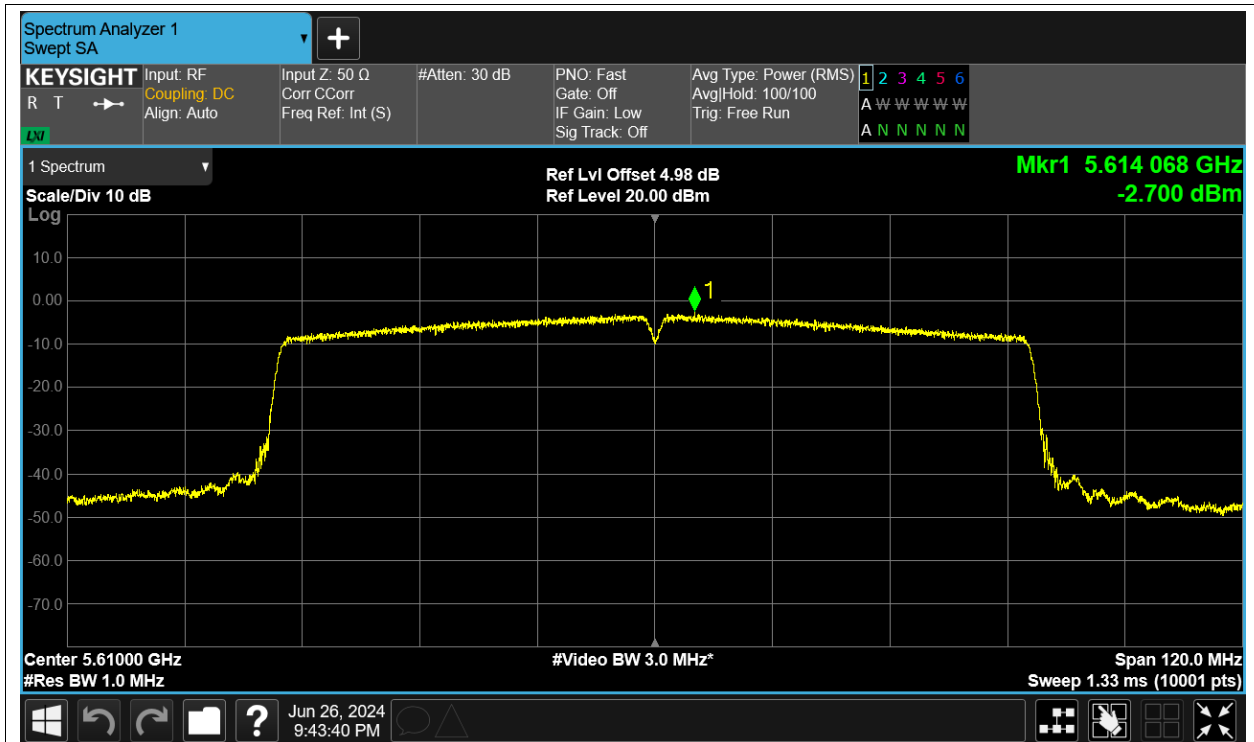
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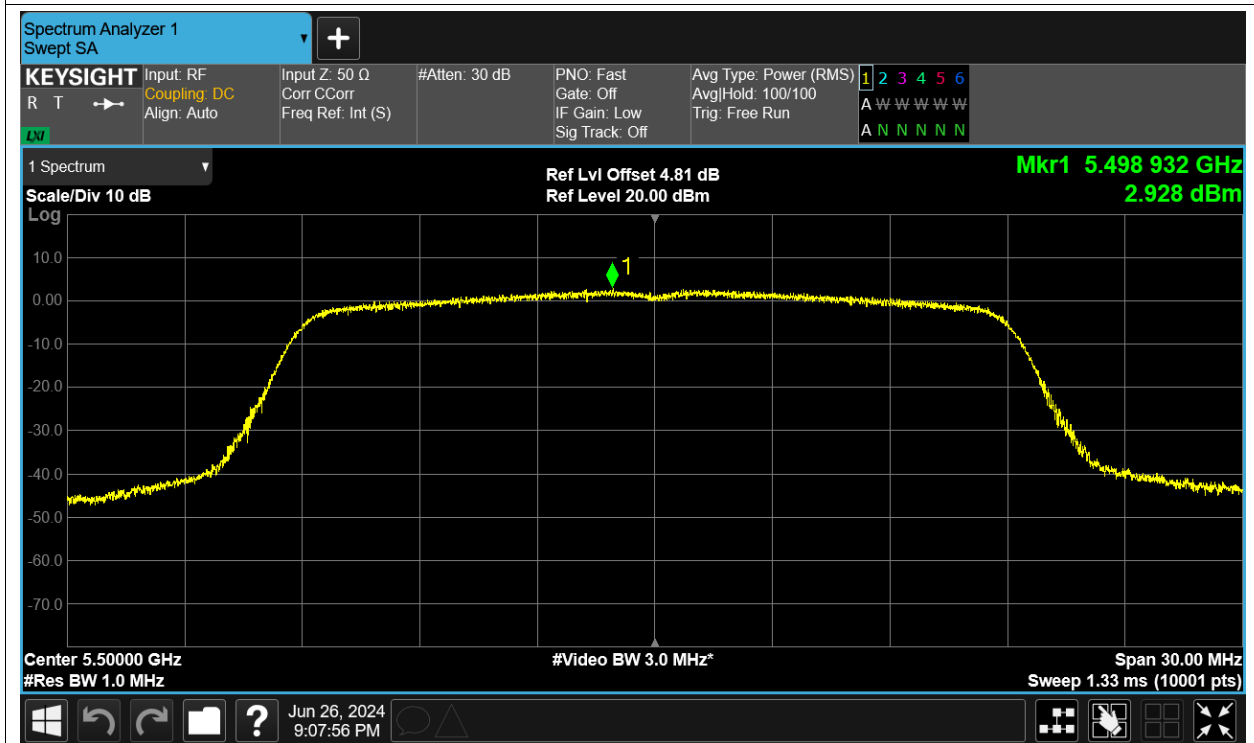
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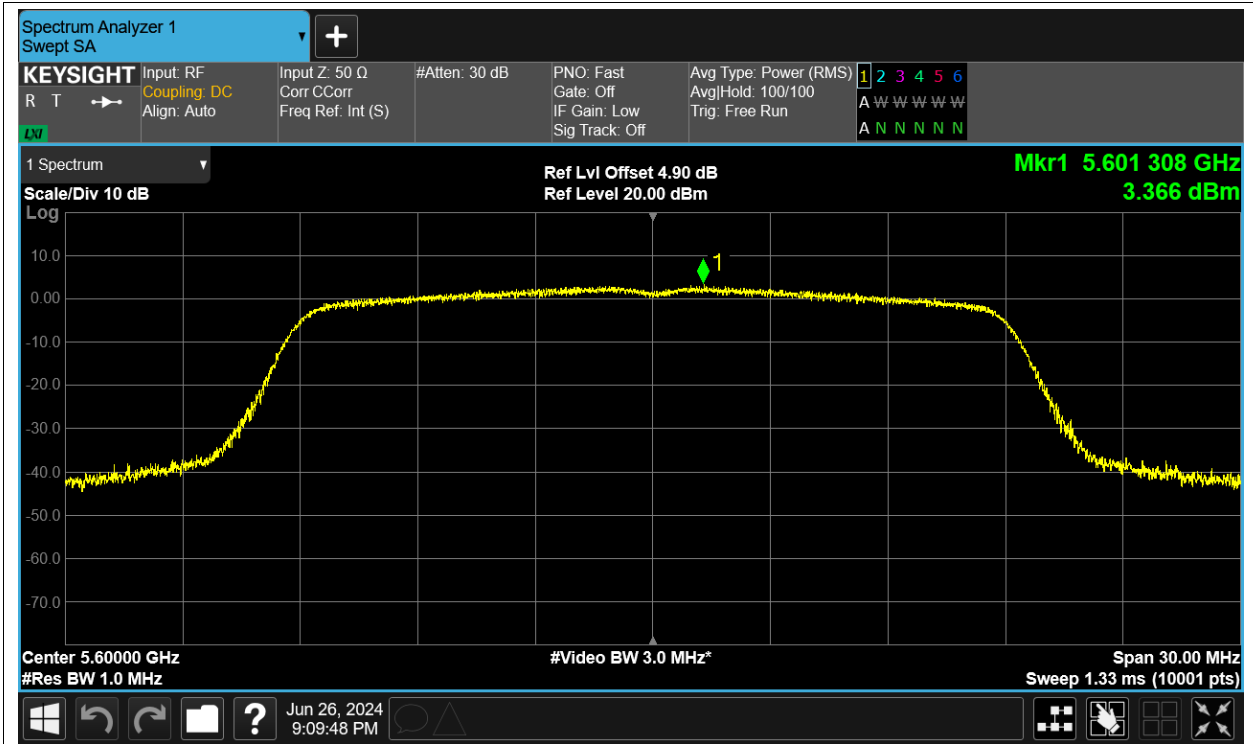
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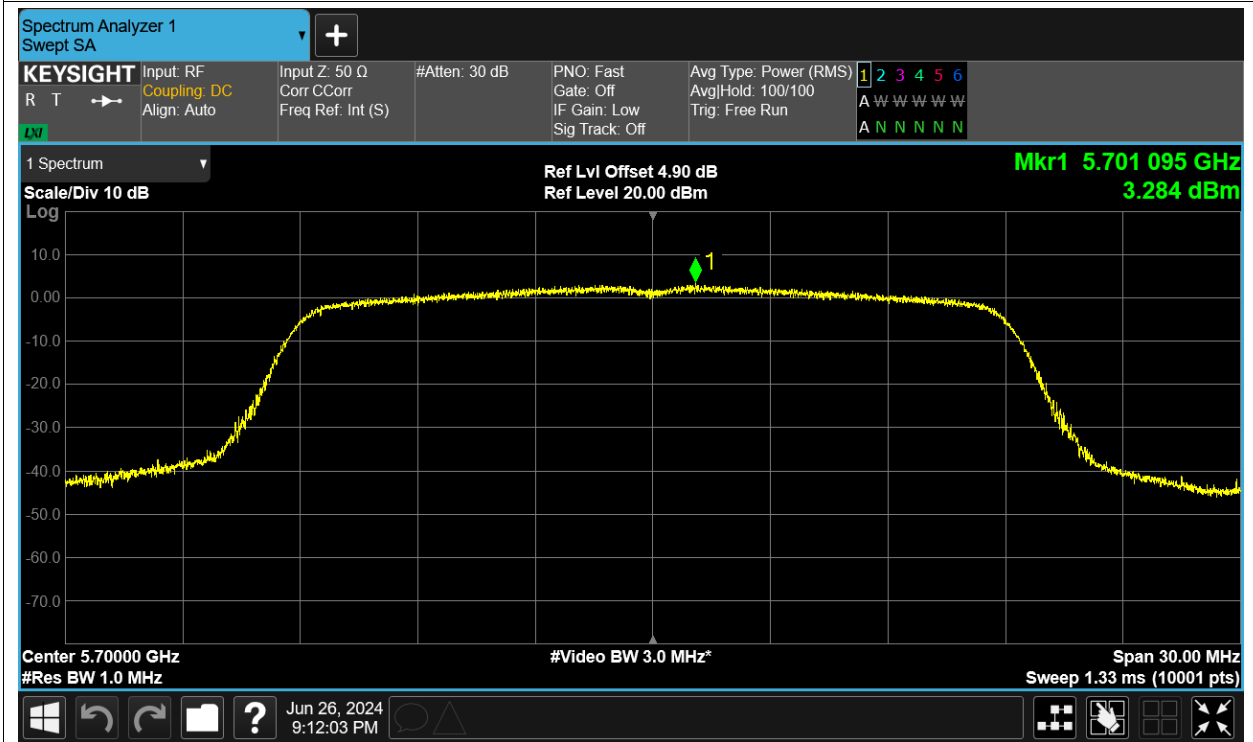
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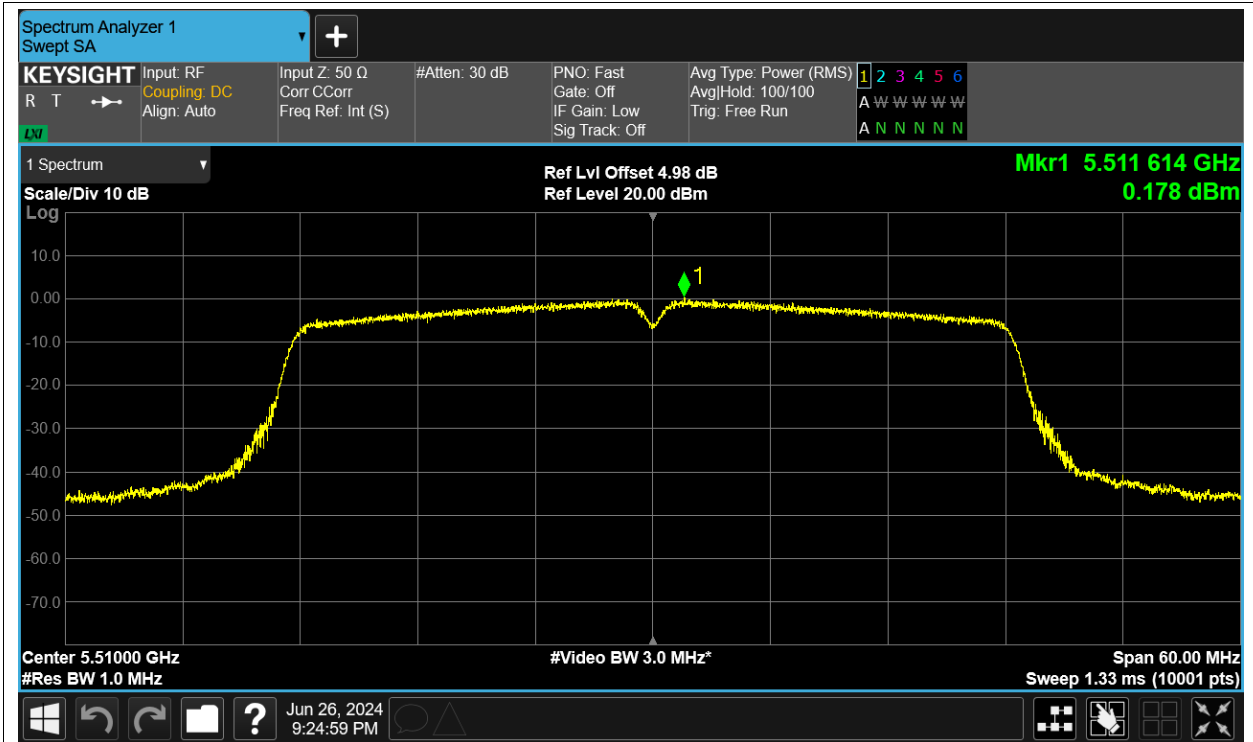
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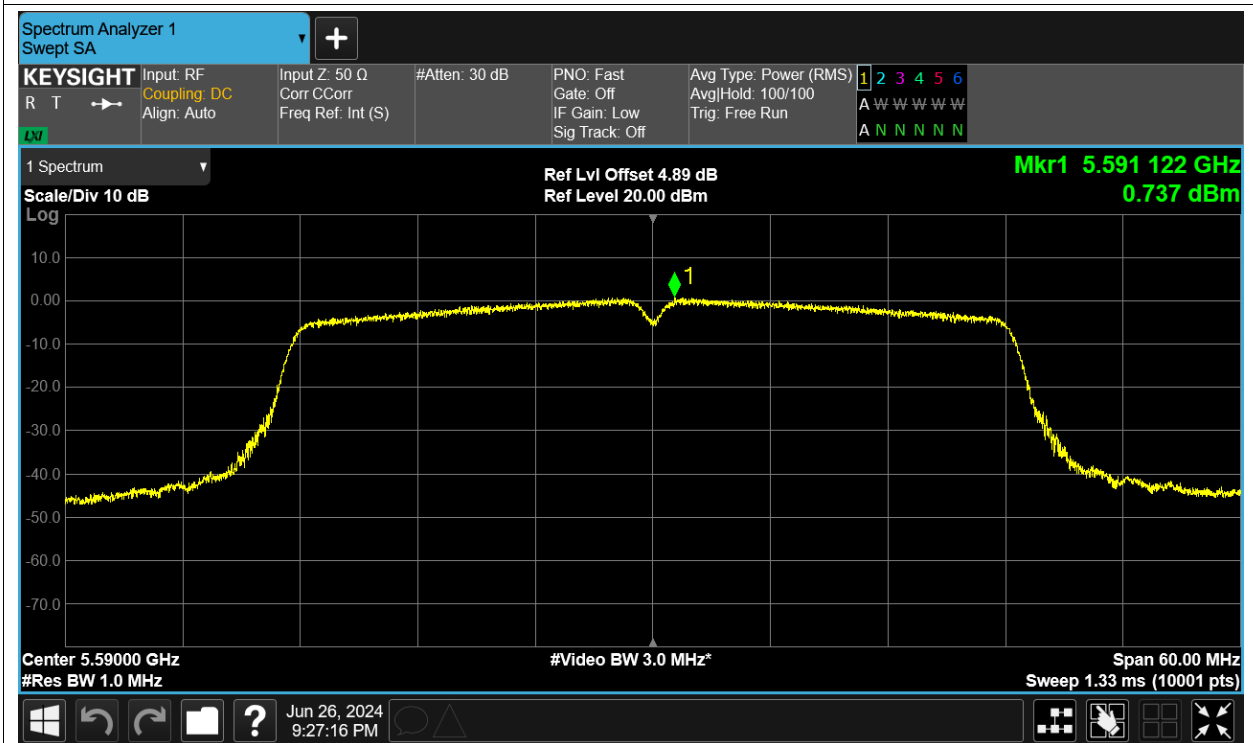
PSD NVNT n20 5700MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5667MHz Ant1

