

Test Data

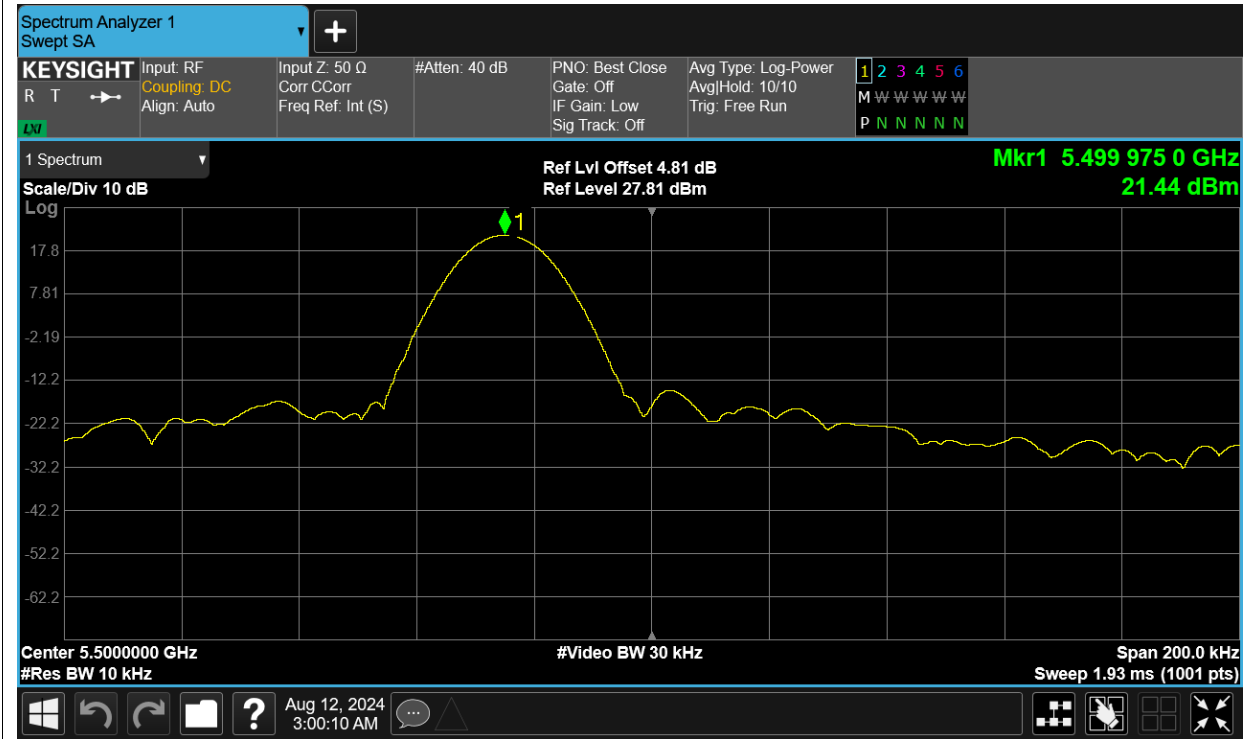
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
LVLT	a	5500	Ant1	5499.975	-4.55	Within authorized band	Pass
LVNT	a	5500	Ant1	5499.9764	-4.29		Pass
NVHT	a	5500	Ant1	5499.9764	-4.29		Pass
NVLT	a	5500	Ant1	5499.978	-4		Pass
NVNT	a	5500	Ant1	5499.9712	-5.24		Pass
LVLT	ac80	5530	Ant1	5529.9724	-4.99		Pass
LVNT	ac80	5530	Ant1	5529.9726	-4.95		Pass
NVHT	ac80	5530	Ant1	5529.973	-4.88		Pass
NVLT	ac80	5530	Ant1	5529.9742	-4.67		Pass
NVNT	ac80	5530	Ant1	5529.9728	-4.92		Pass
LVLT	n40	5510	Ant1	5509.9708	-5.3		Pass
LVNT	n40	5510	Ant1	5509.9708	-5.3		Pass
NVHT	n40	5510	Ant1	5509.971	-5.26		Pass
NVLT	n40	5510	Ant1	5509.9712	-5.23		Pass
NVNT	n40	5510	Ant1	5509.9716	-5.15		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

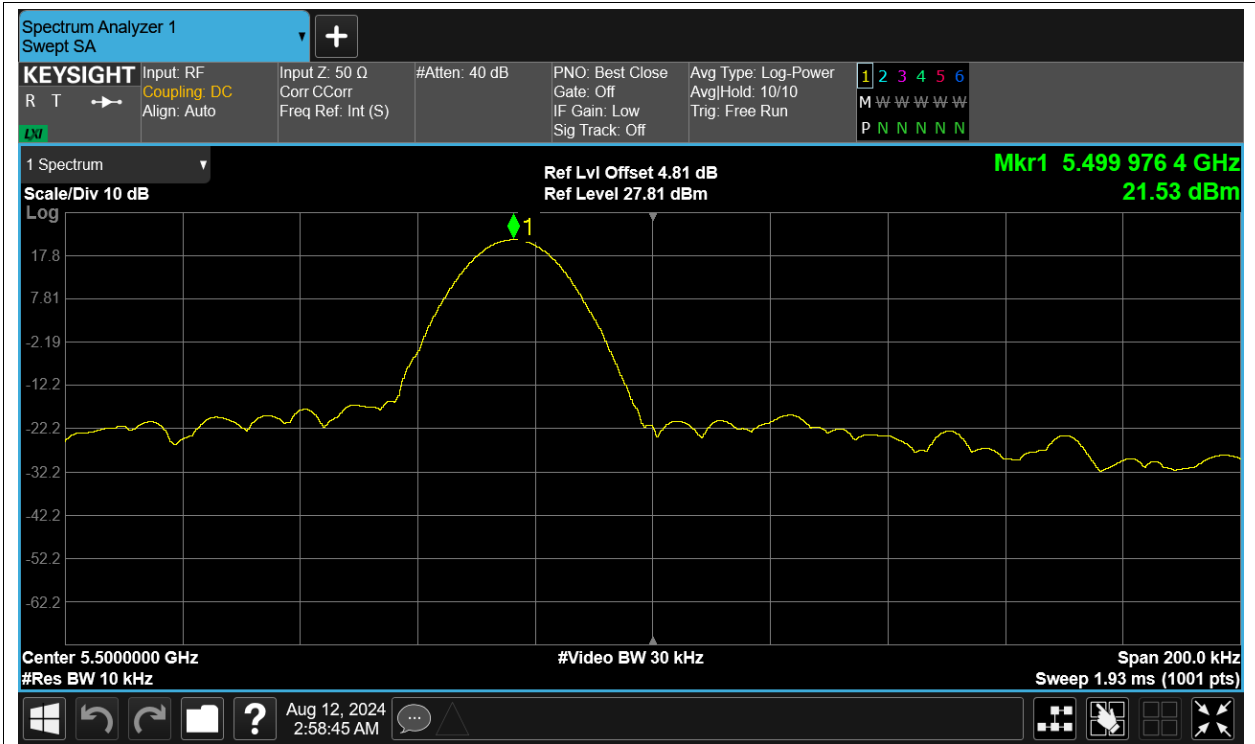
Freq. Stability LVLT a 5500MHz Ant1



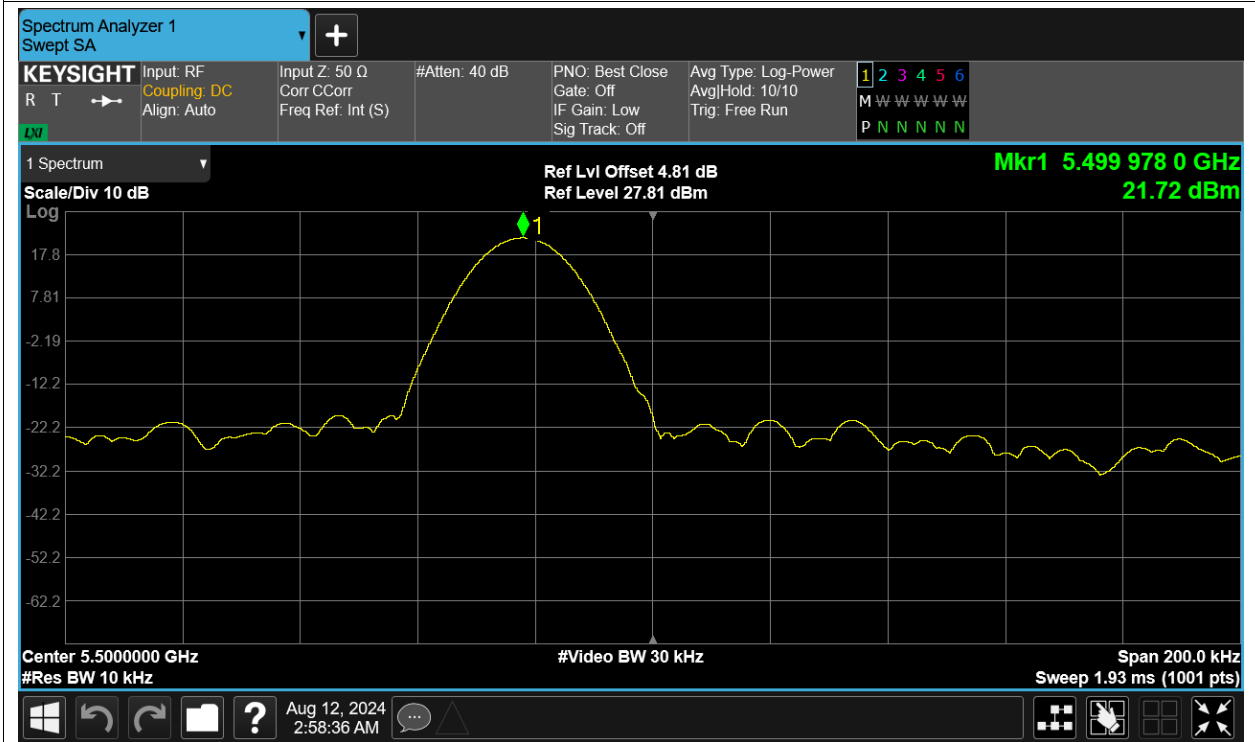
Freq. Stability LVNT a 5500MHz Ant1



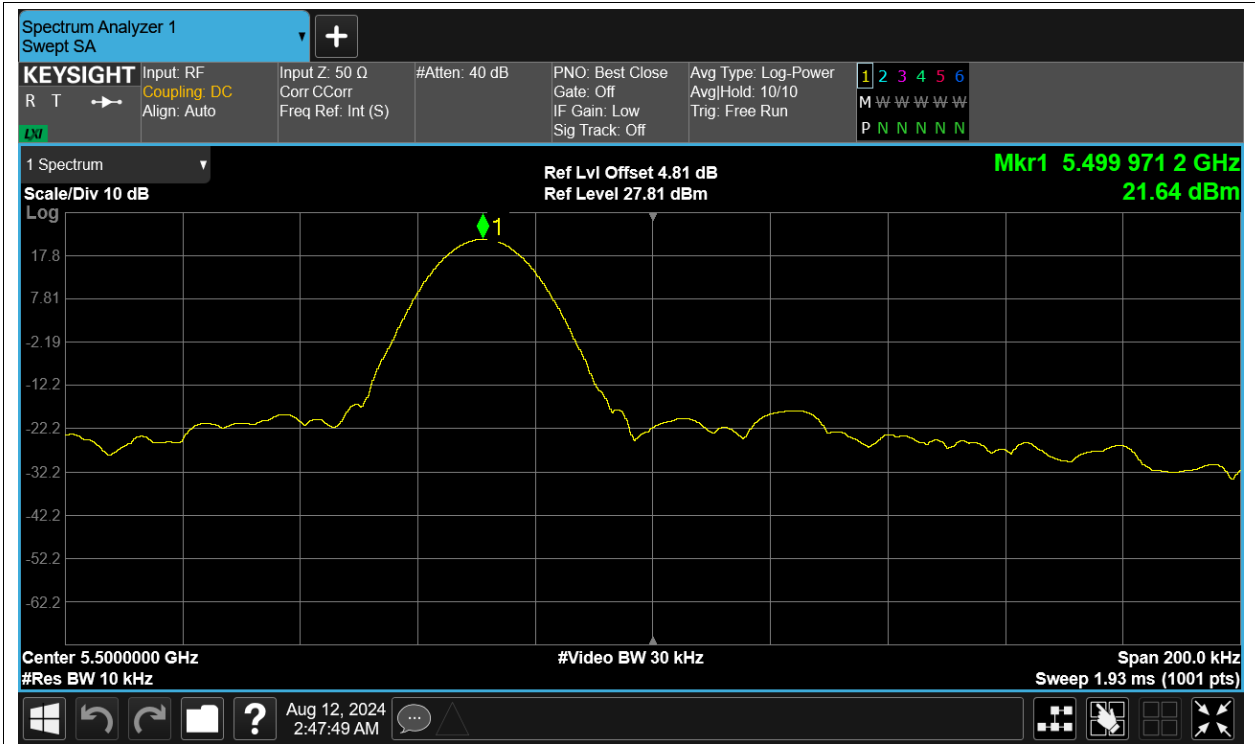
Freq. Stability NVHT a 5500MHz Ant1



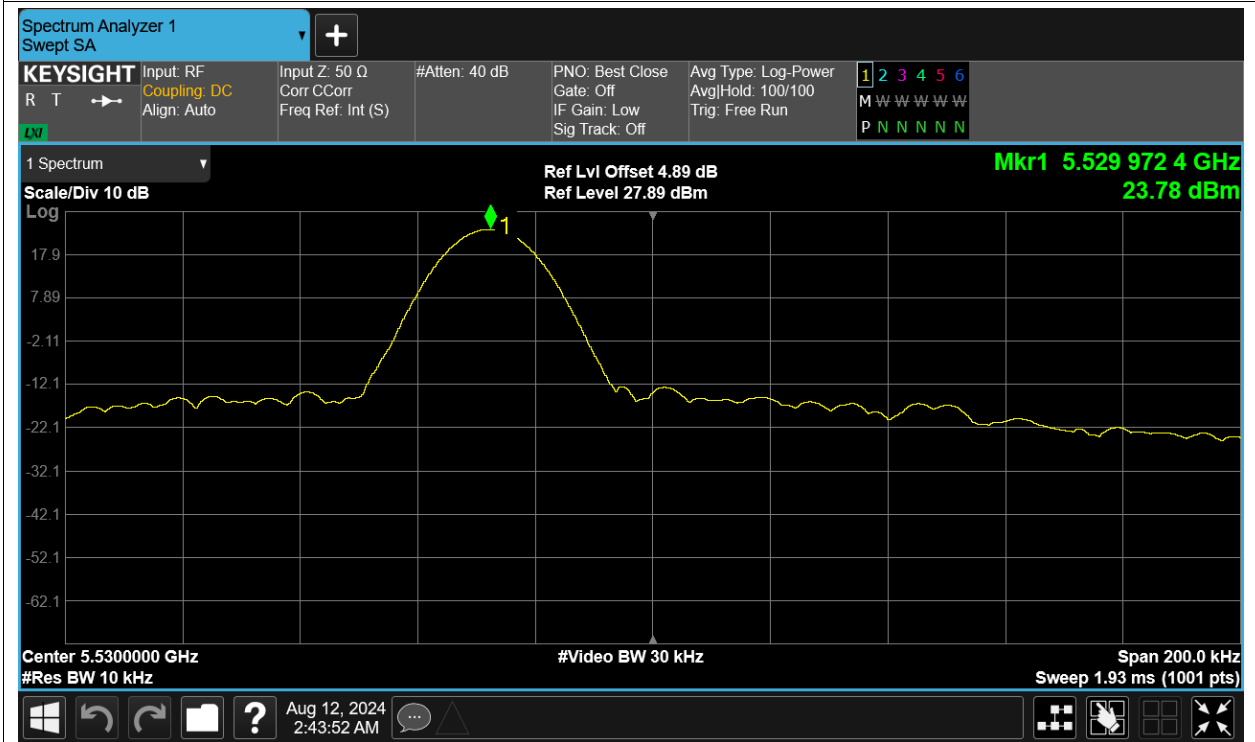
Freq. Stability NVLT a 5500MHz Ant1



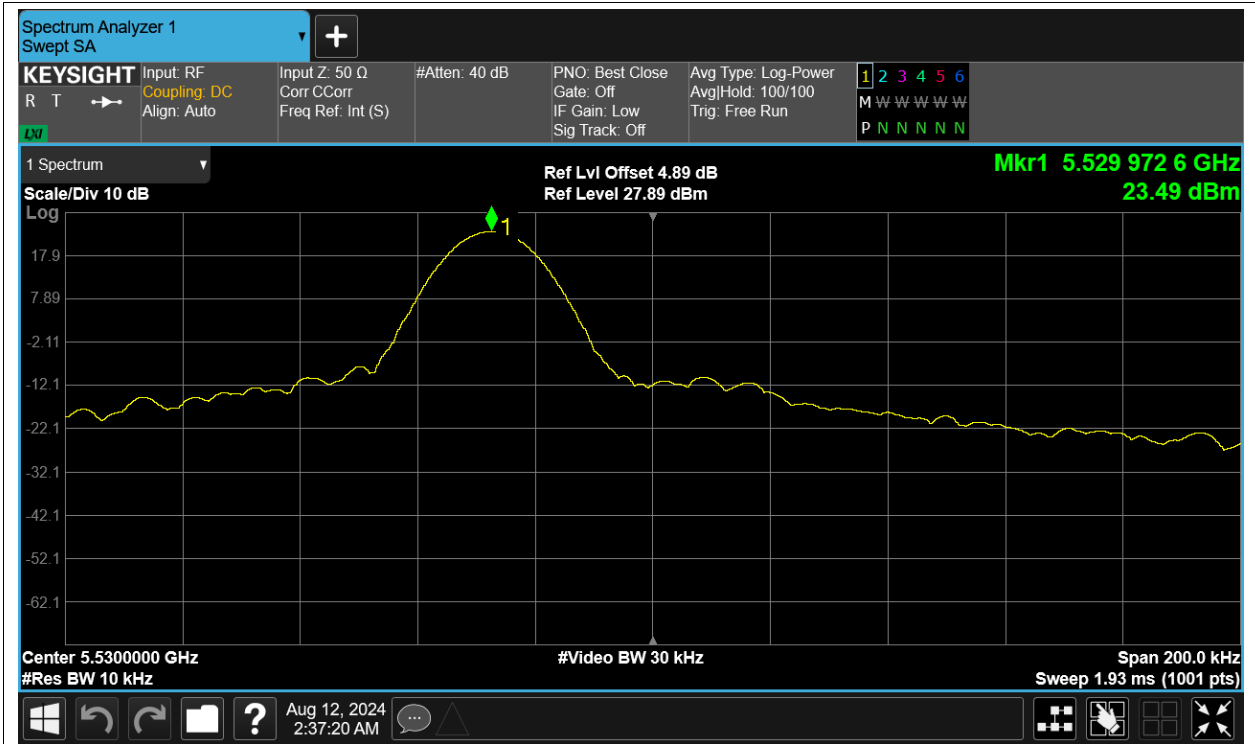
Freq. Stability NVNT a 5500MHz Ant1



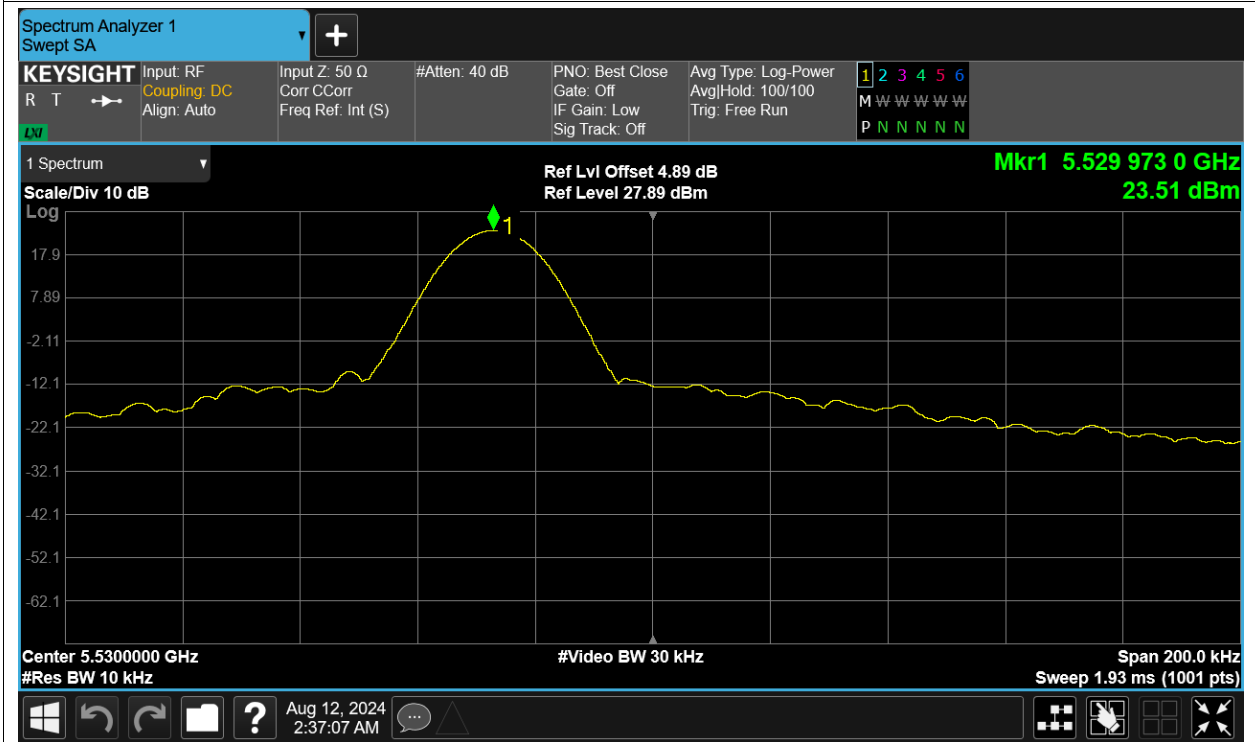
Freq. Stability LVLT ac80 5530MHz Ant1



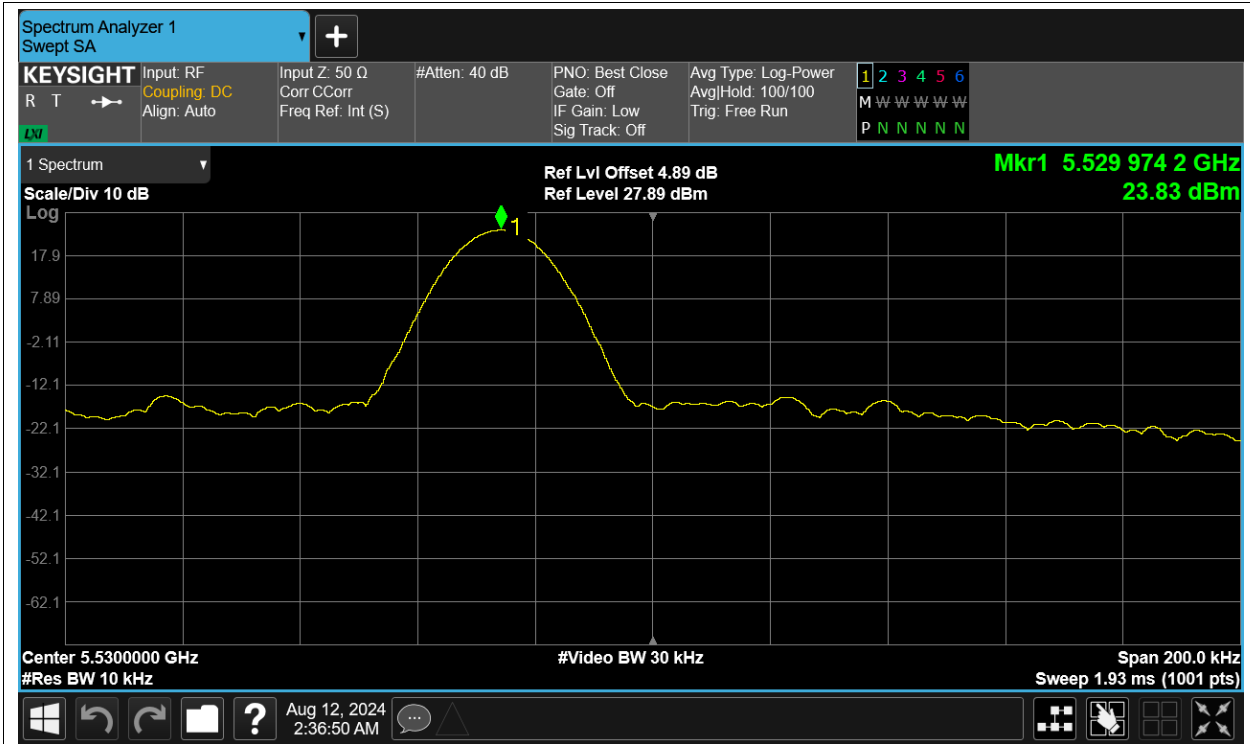
Freq. Stability LVNT ac80 5530MHz Ant1



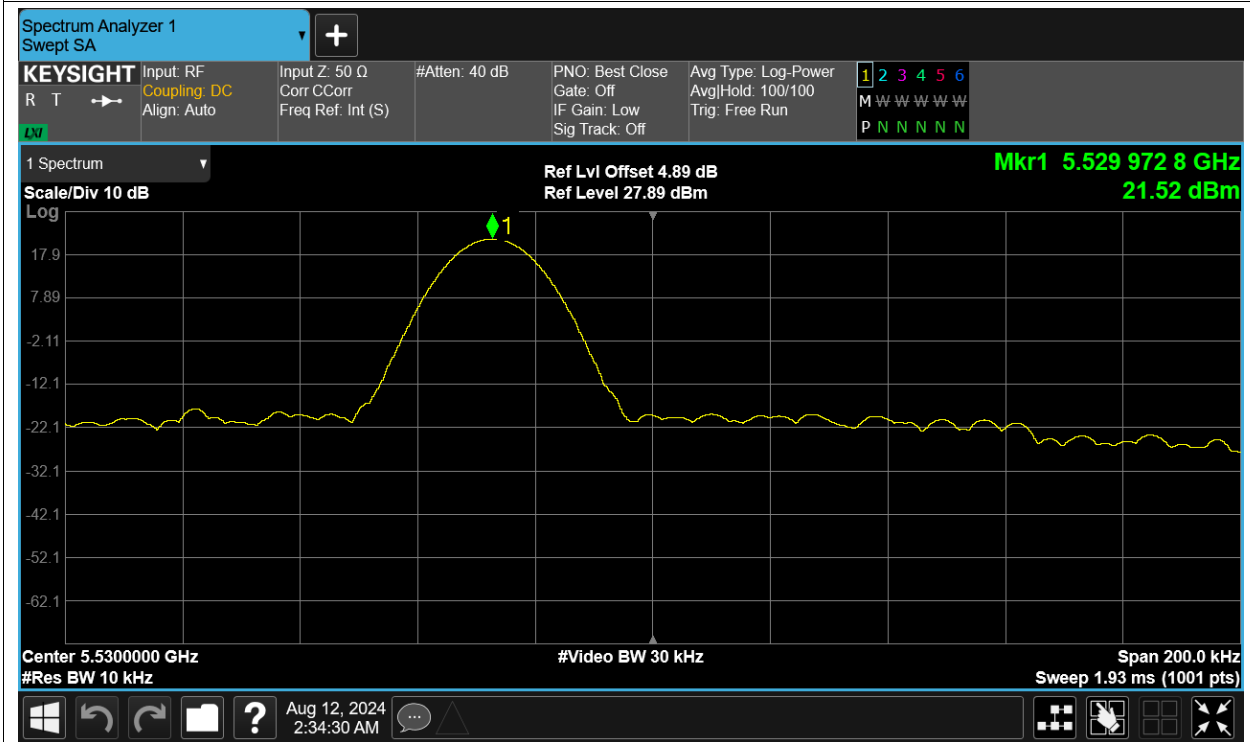
Freq. Stability NVHT ac80 5530MHz Ant1



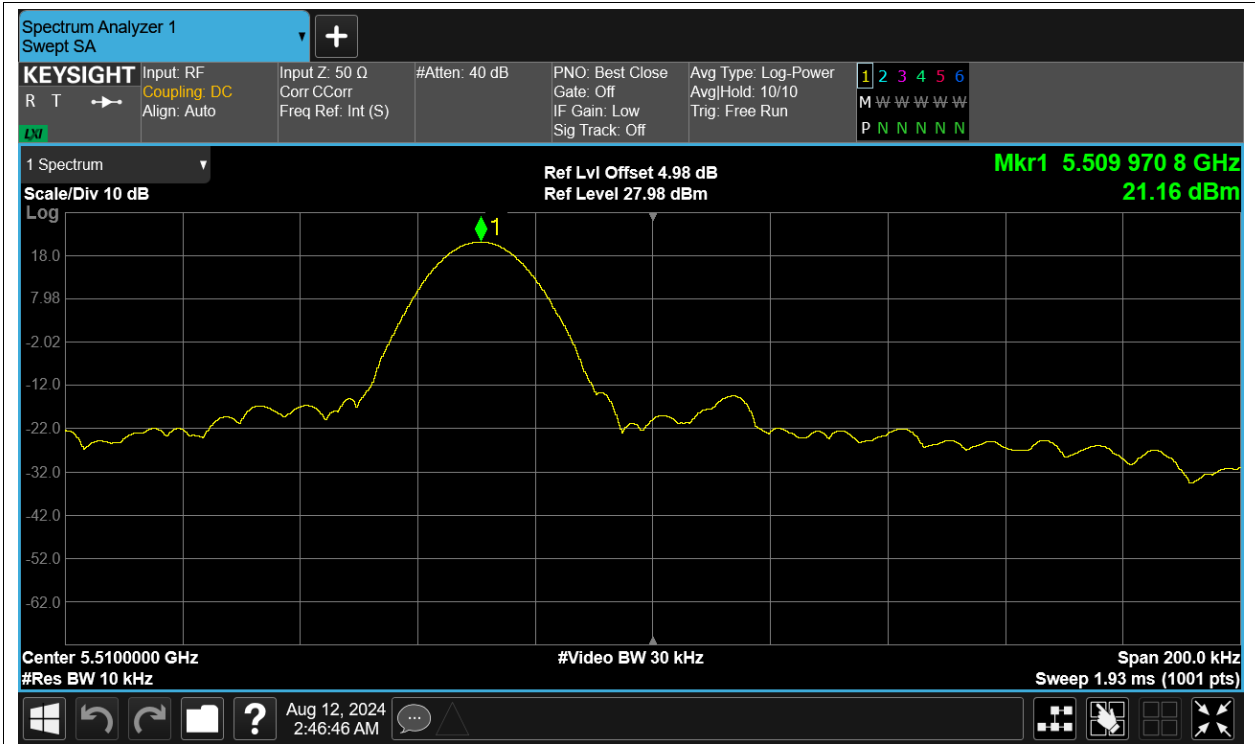
Freq. Stability NVLT ac80 5530MHz Ant1



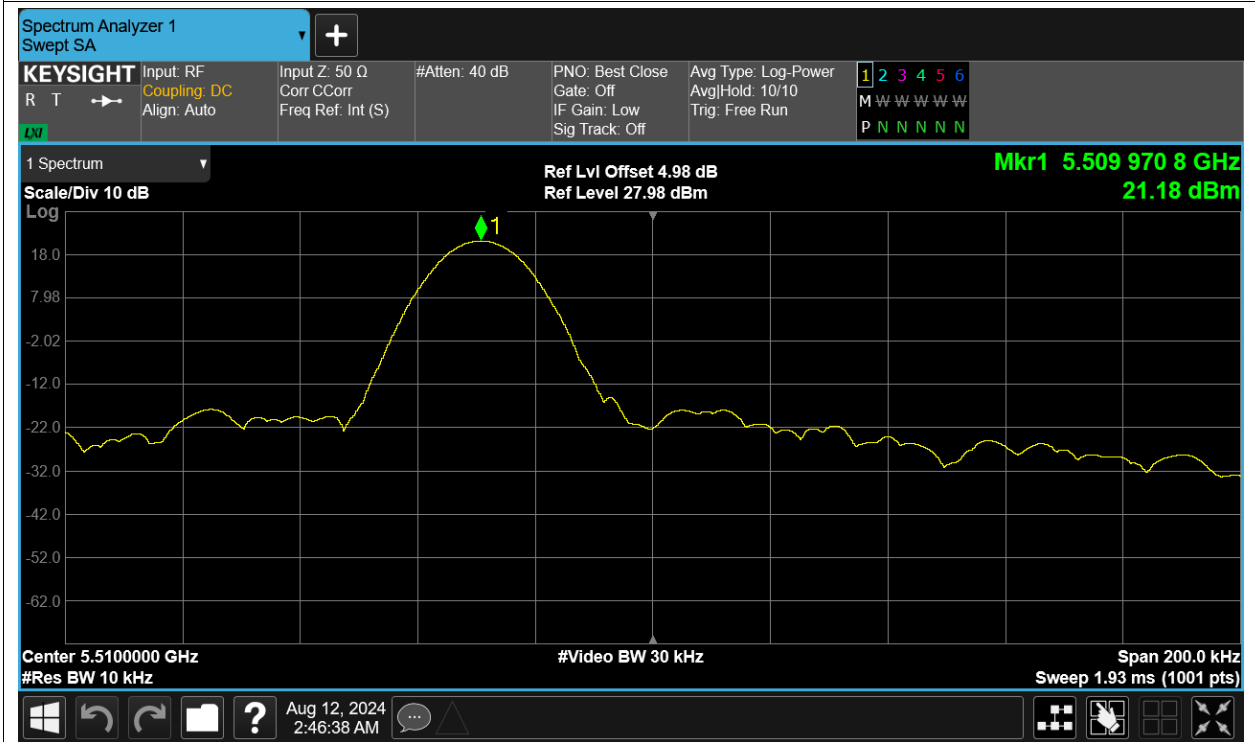
Freq. Stability NVNT ac80 5530MHz Ant1



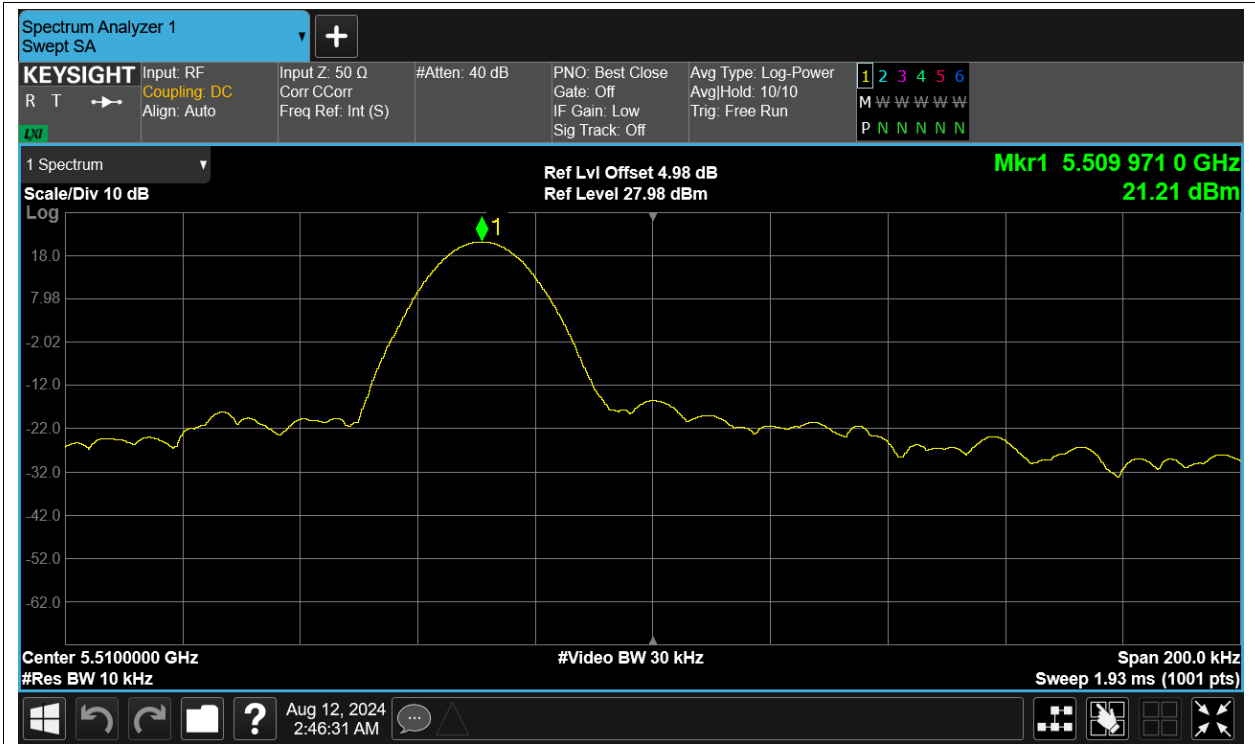
Freq. Stability LVLT n40 5510MHz Ant1



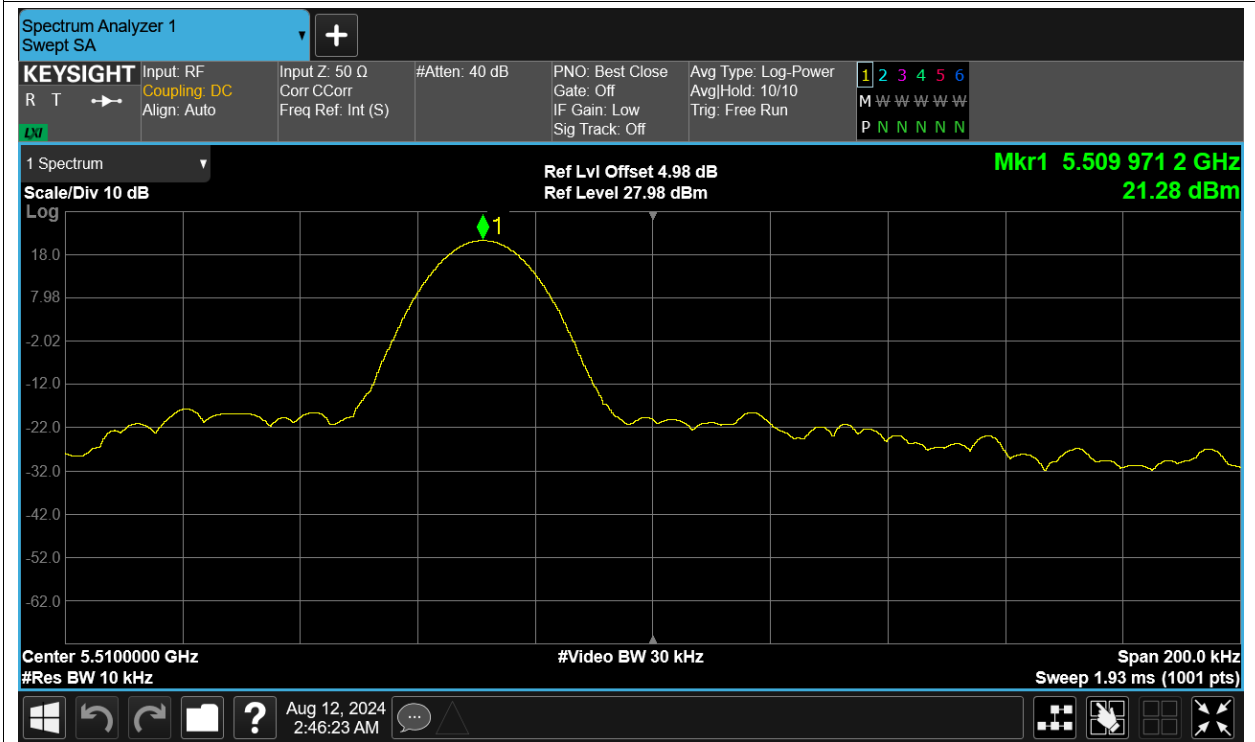
Freq. Stability LVNT n40 5510MHz Ant1



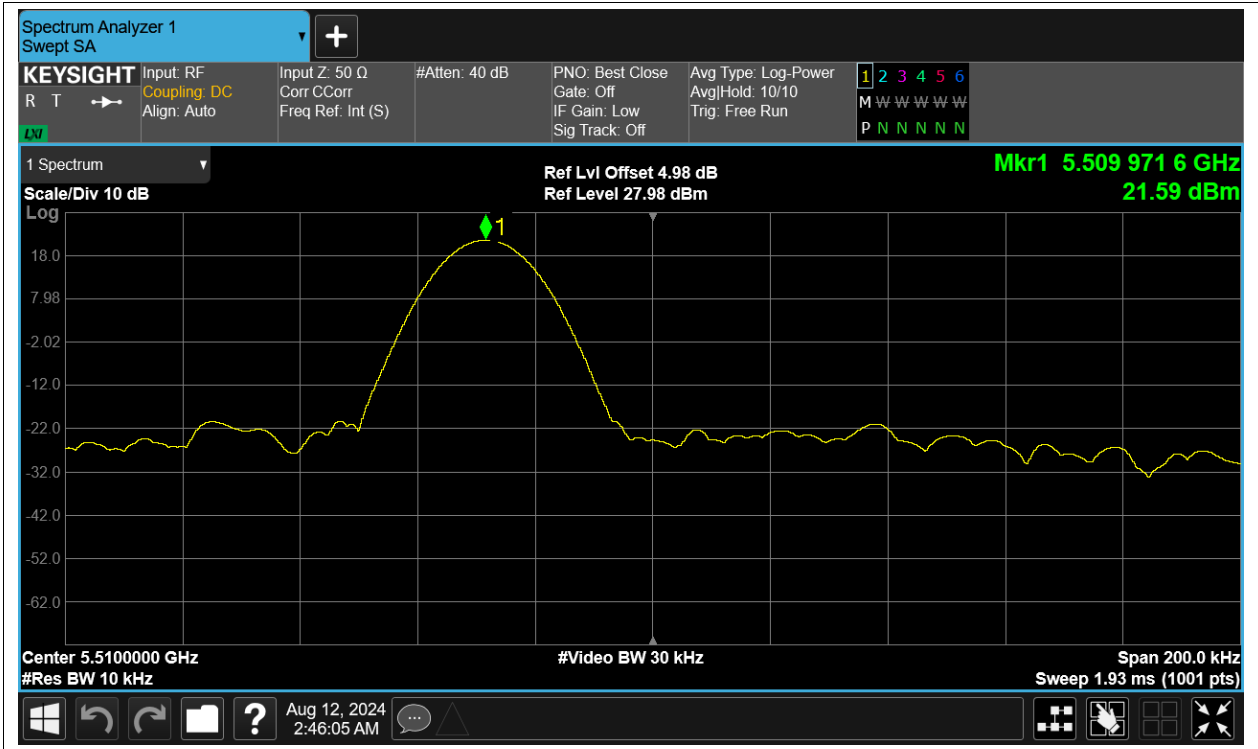
Freq. Stability NVHT n40 5510MHz Ant1



Freq. Stability NVLT n40 5510MHz Ant1



Freq. Stability NVNT n40 5510MHz Ant1

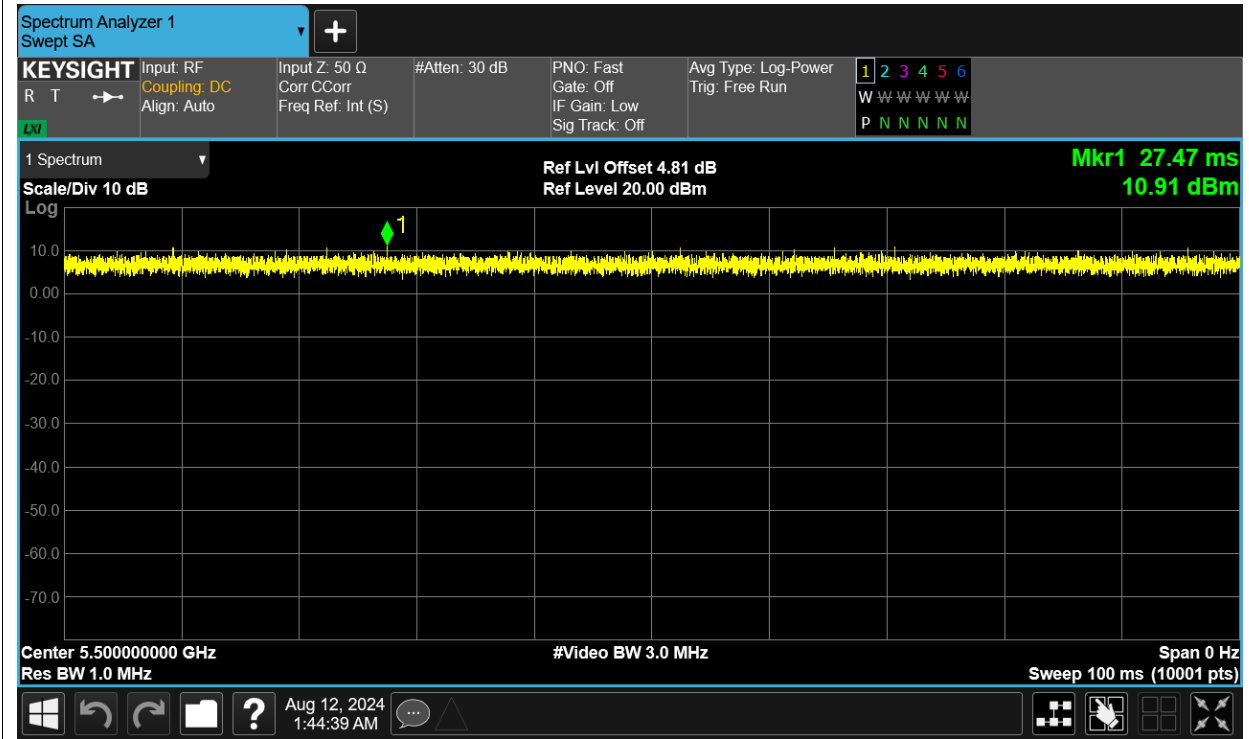


Duty Cycle

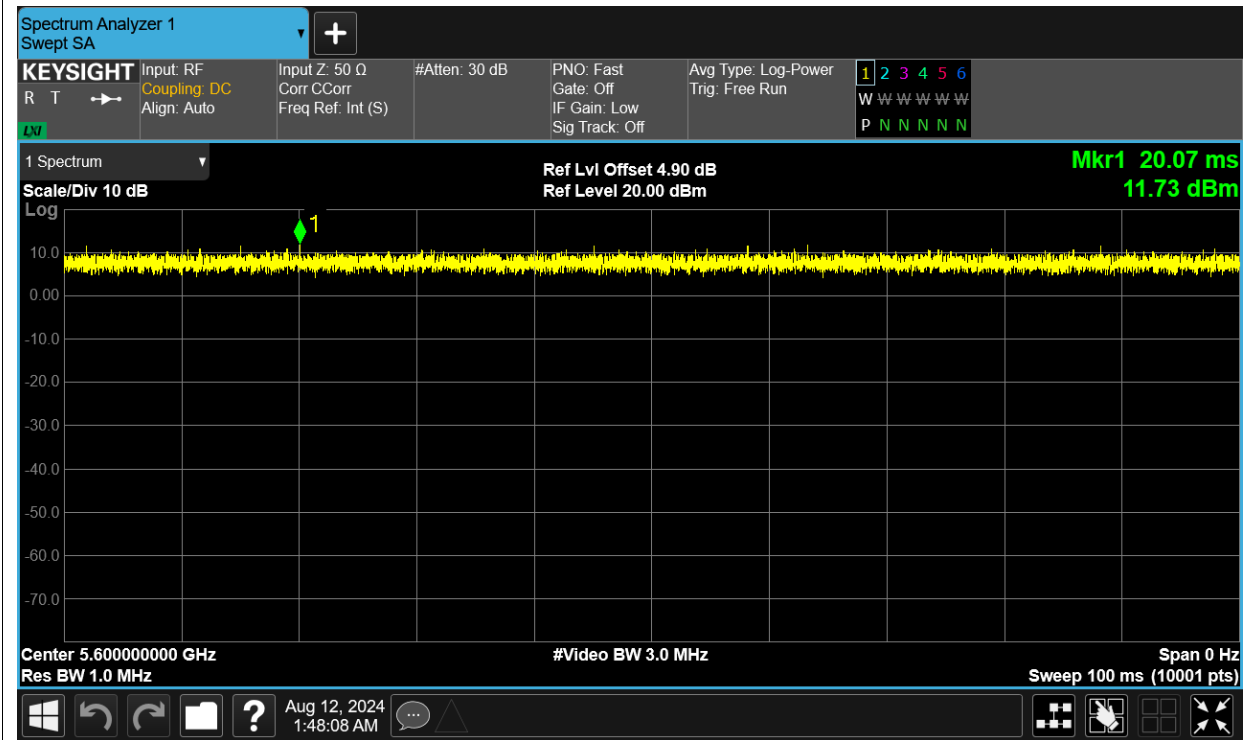
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant1	100	0
NVNT	a	5600	Ant1	100	0
NVNT	a	5700	Ant1	100	0
NVNT	ac20	5500	Ant1	100	0
NVNT	ac20	5600	Ant1	100	0
NVNT	ac20	5700	Ant1	100	0
NVNT	ac40	5510	Ant1	100	0
NVNT	ac40	5590	Ant1	100	0
NVNT	ac40	5670	Ant1	100	0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

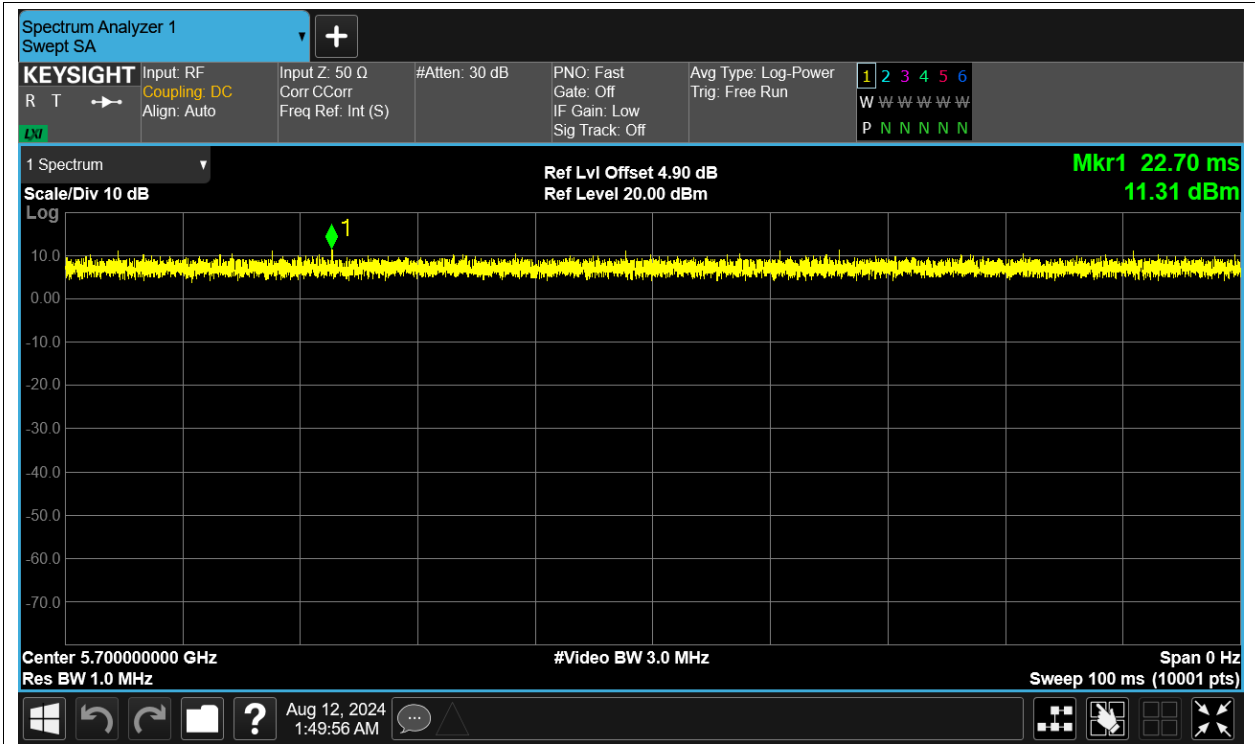
Duty Cycle NVNT a 5500MHz Ant1



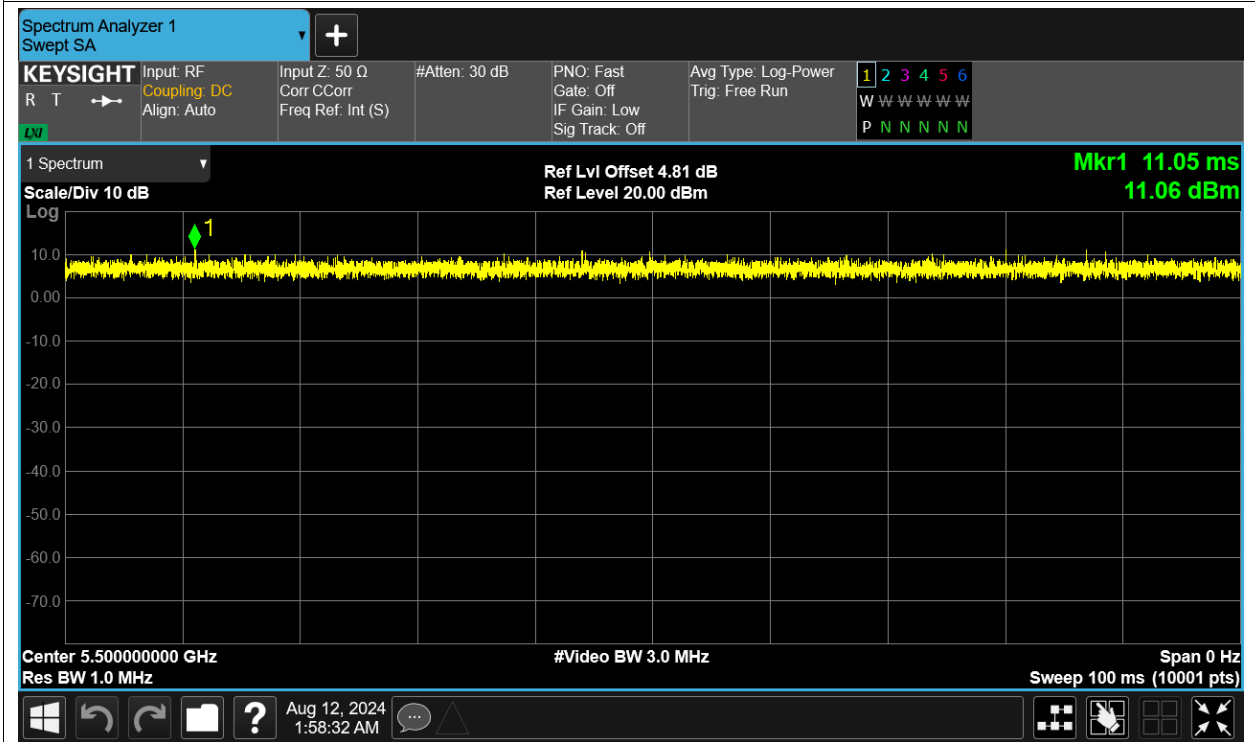
Duty Cycle NVNT a 5600MHz Ant1



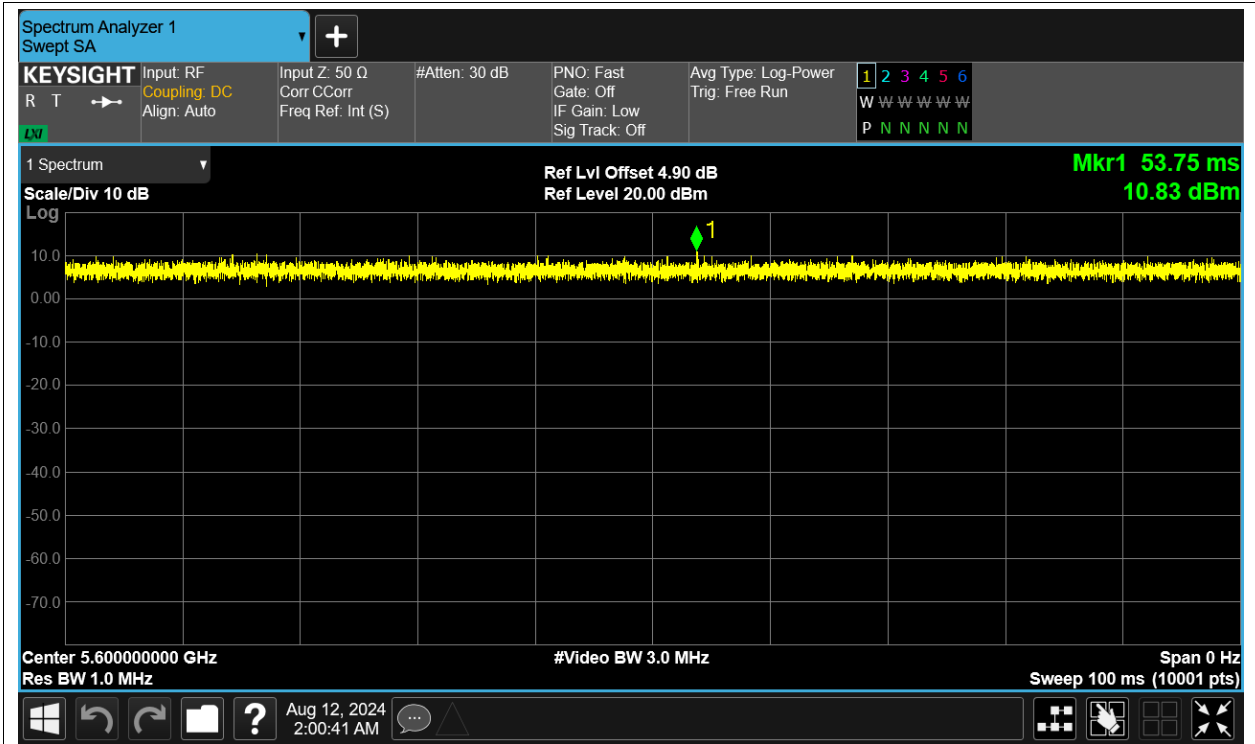
Duty Cycle NVNT a 5700MHz Ant1



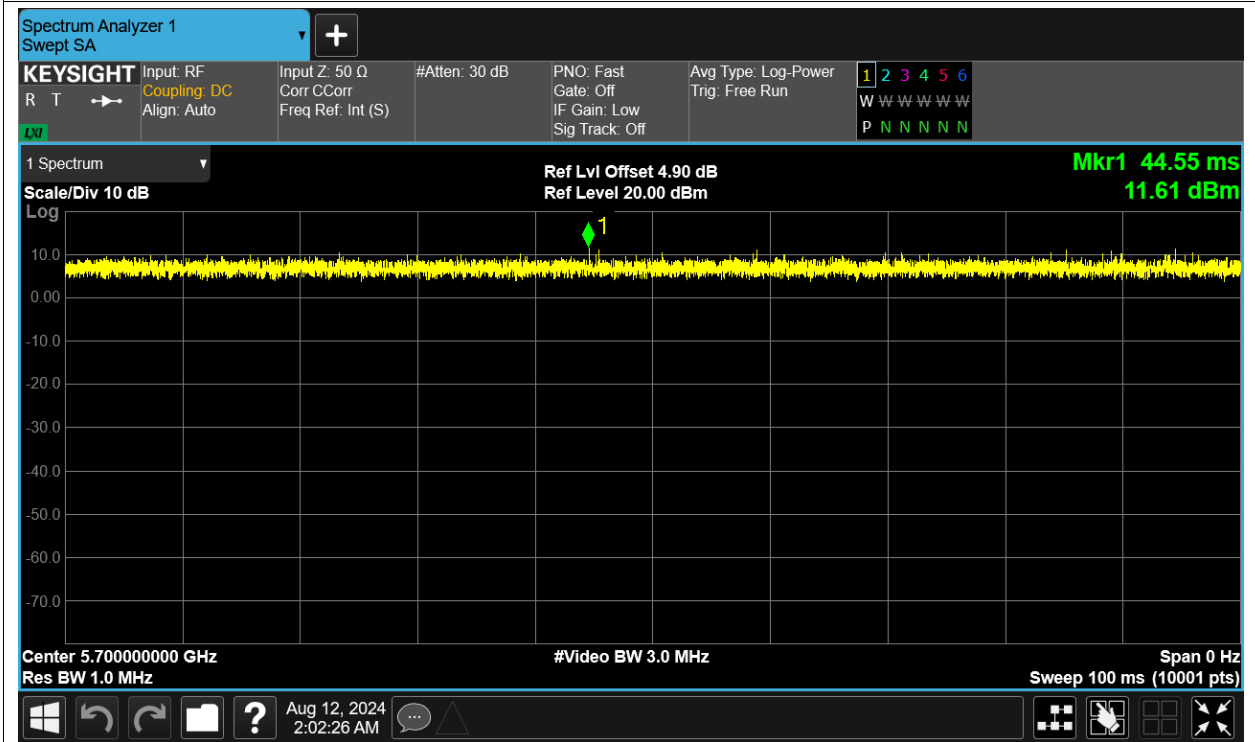
Duty Cycle NVNT ac20 5500MHz Ant1



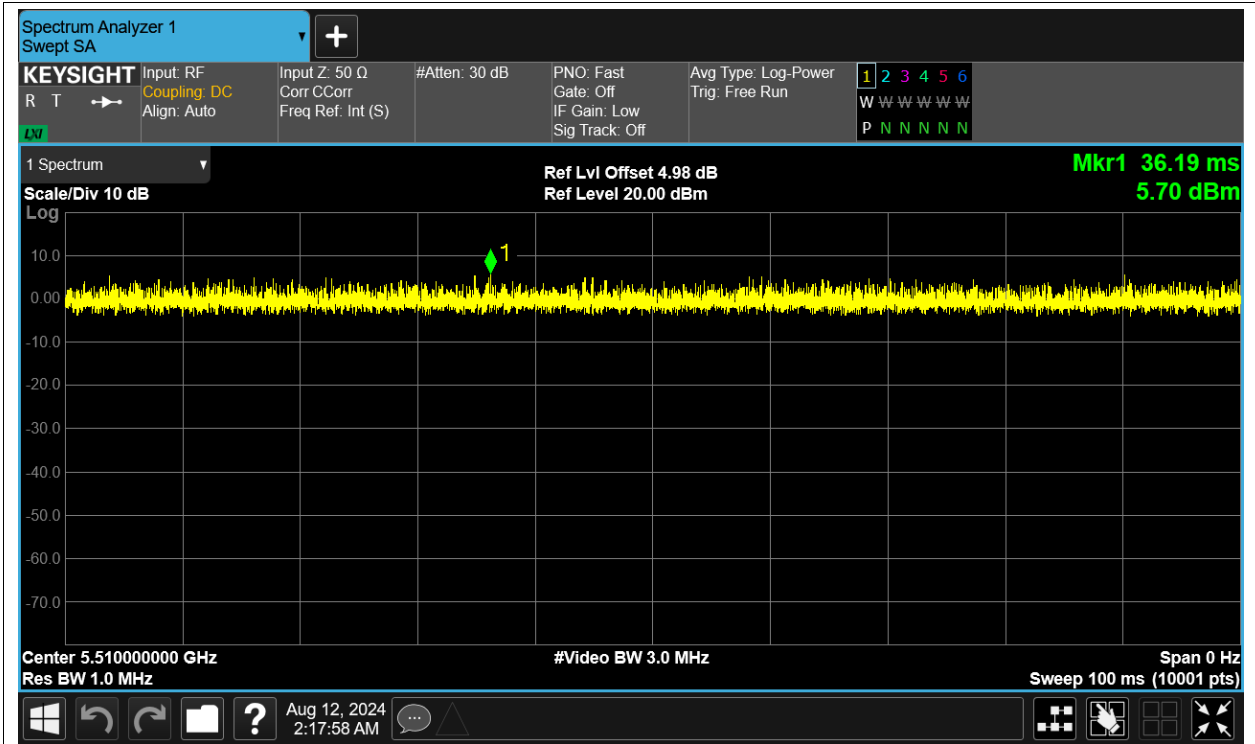
Duty Cycle NVNT ac20 5600MHz Ant1



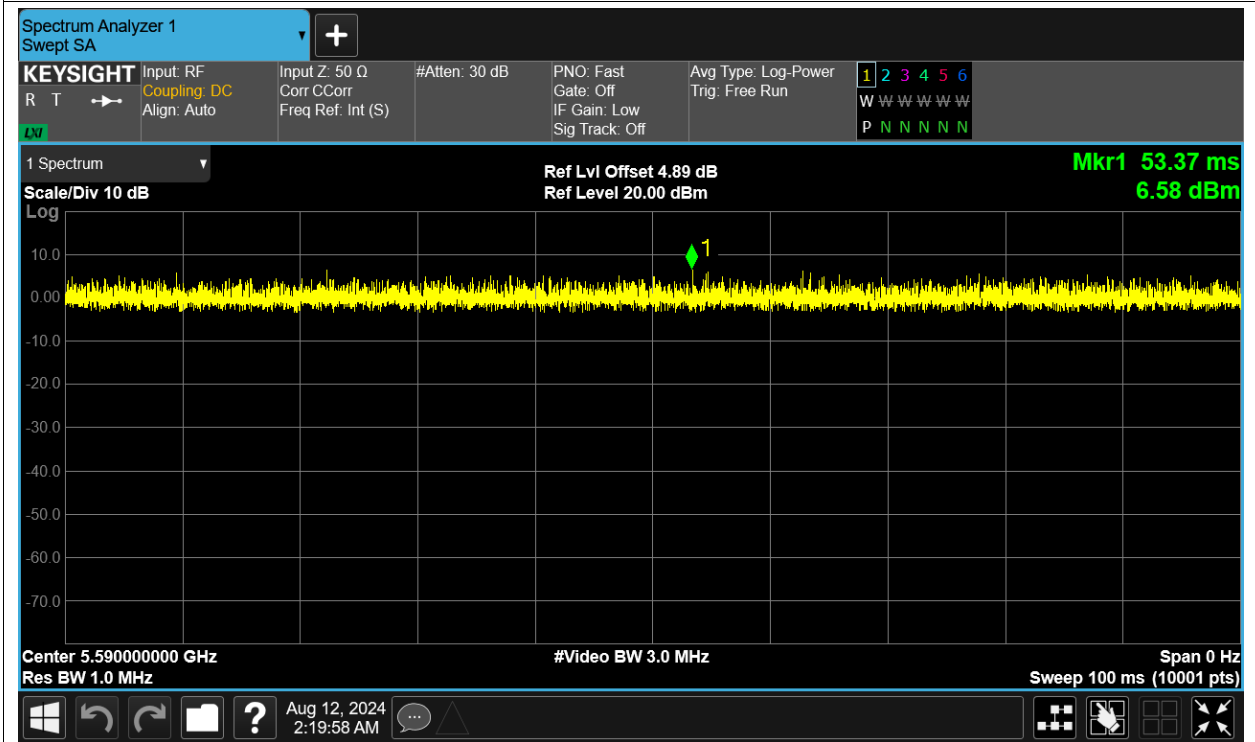
Duty Cycle NVNT ac20 5700MHz Ant1



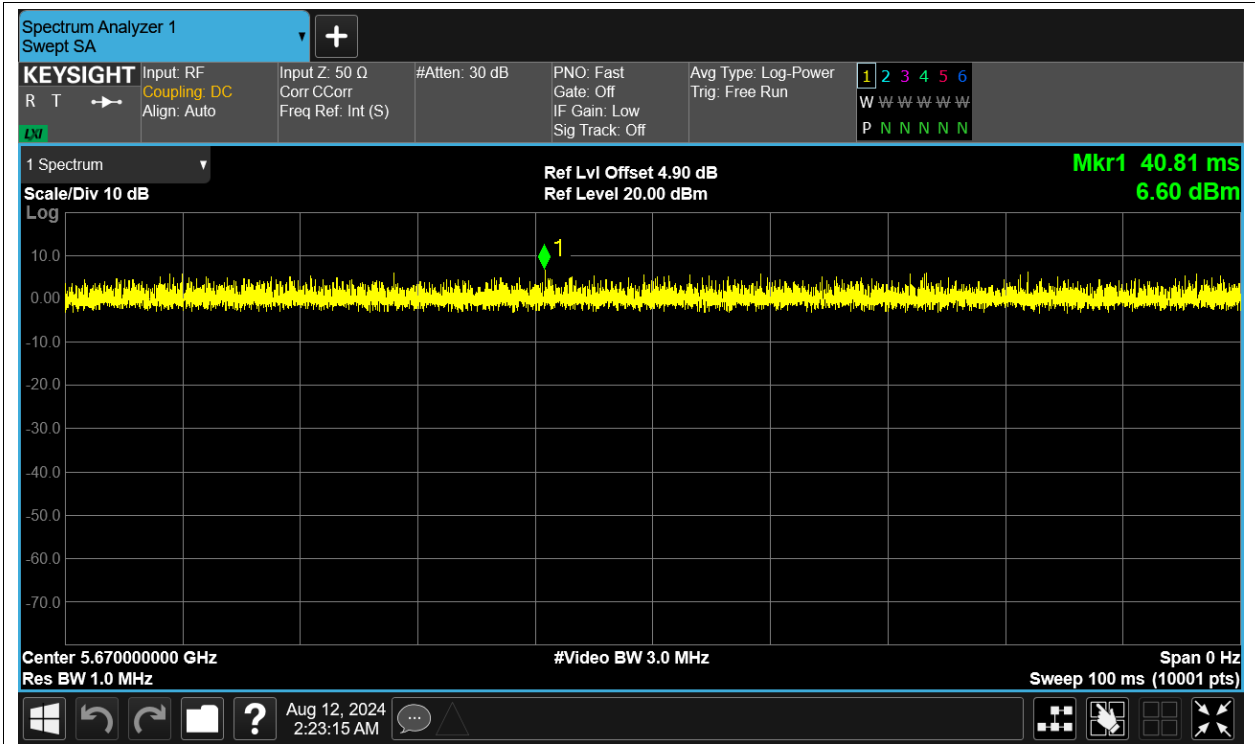
Duty Cycle NVNT ac40 5510MHz Ant1



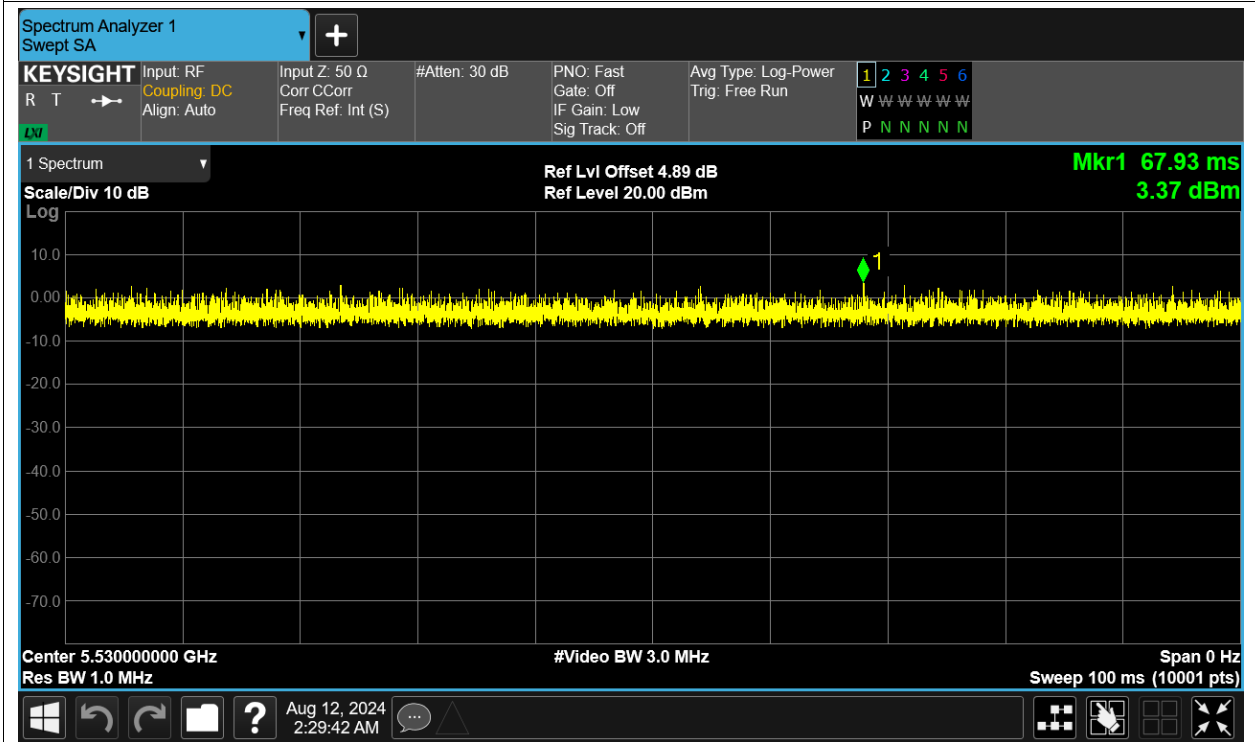
Duty Cycle NVNT ac40 5590MHz Ant1



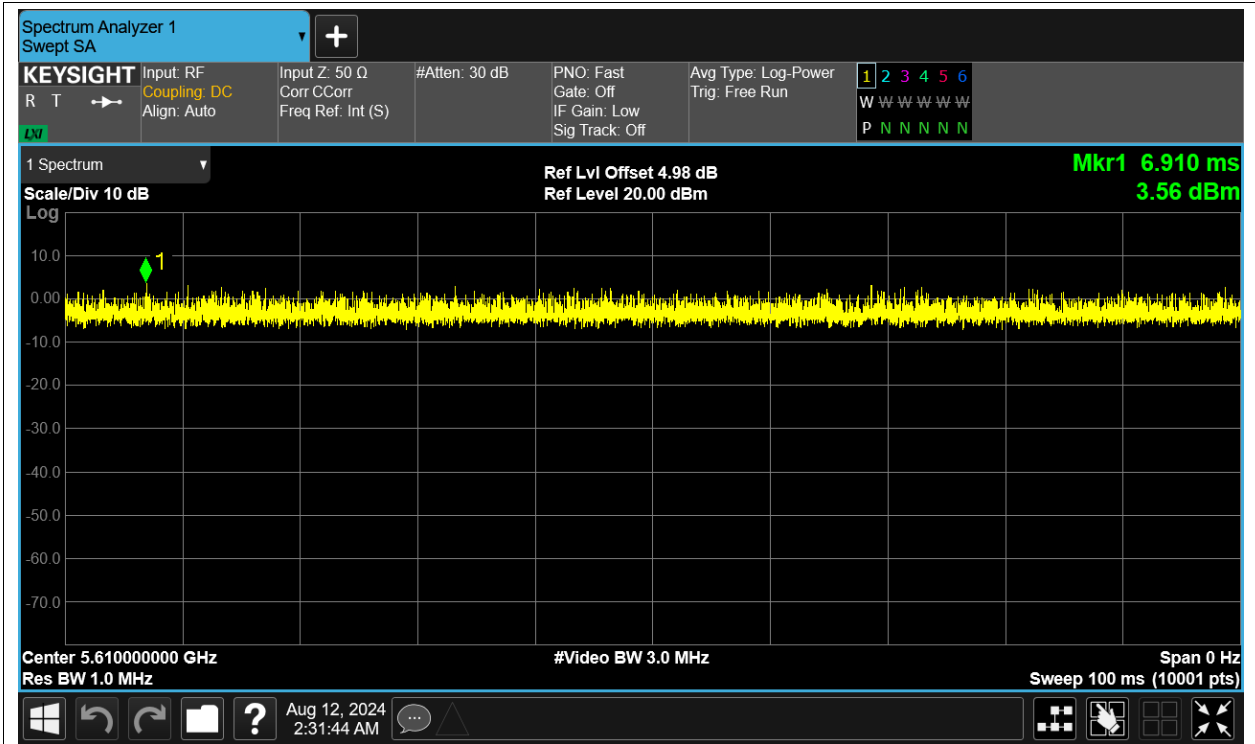
Duty Cycle NVNT ac40 5670MHz Ant1



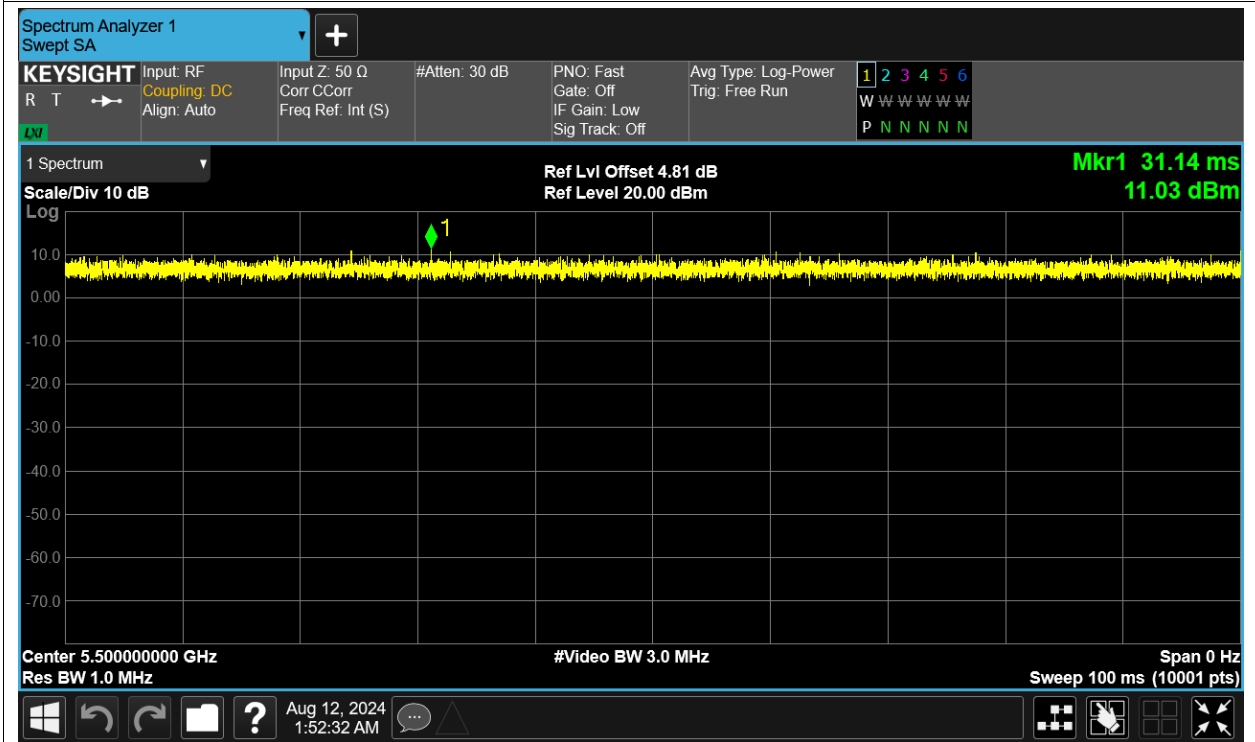
Duty Cycle NVNT ac80 5530MHz Ant1



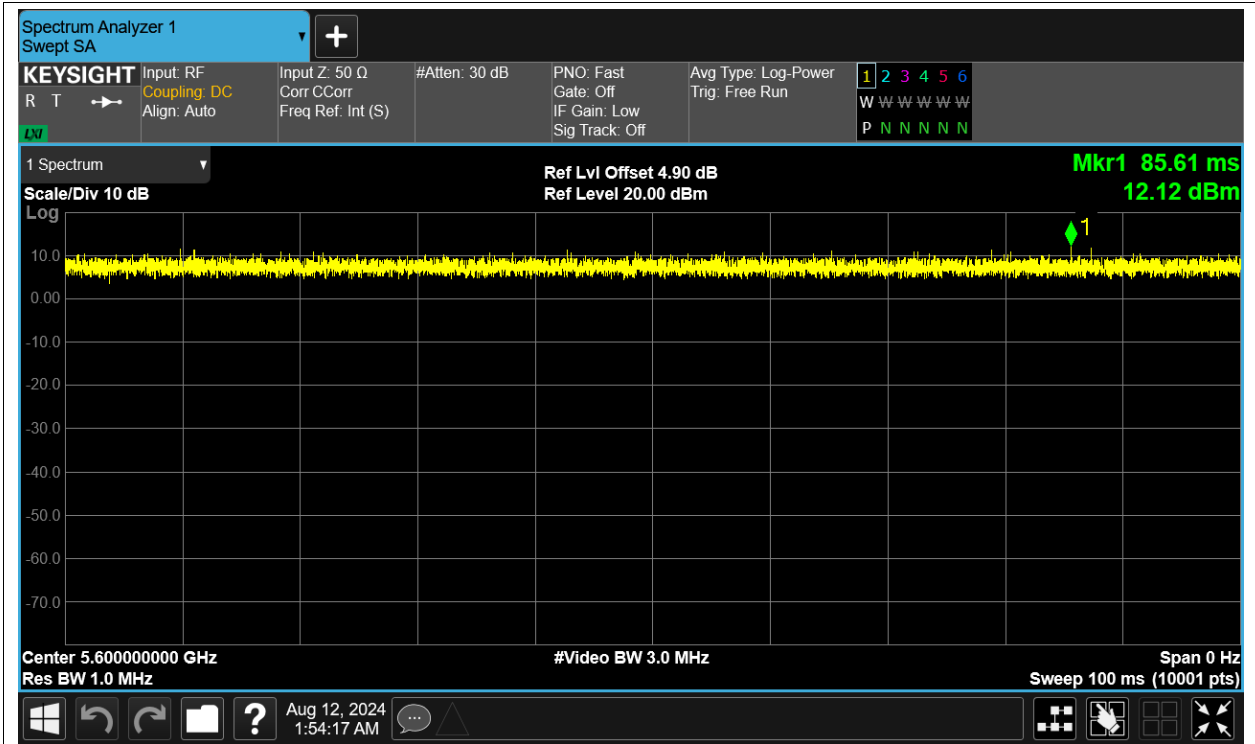
Duty Cycle NVNT ac80 5610MHz Ant1



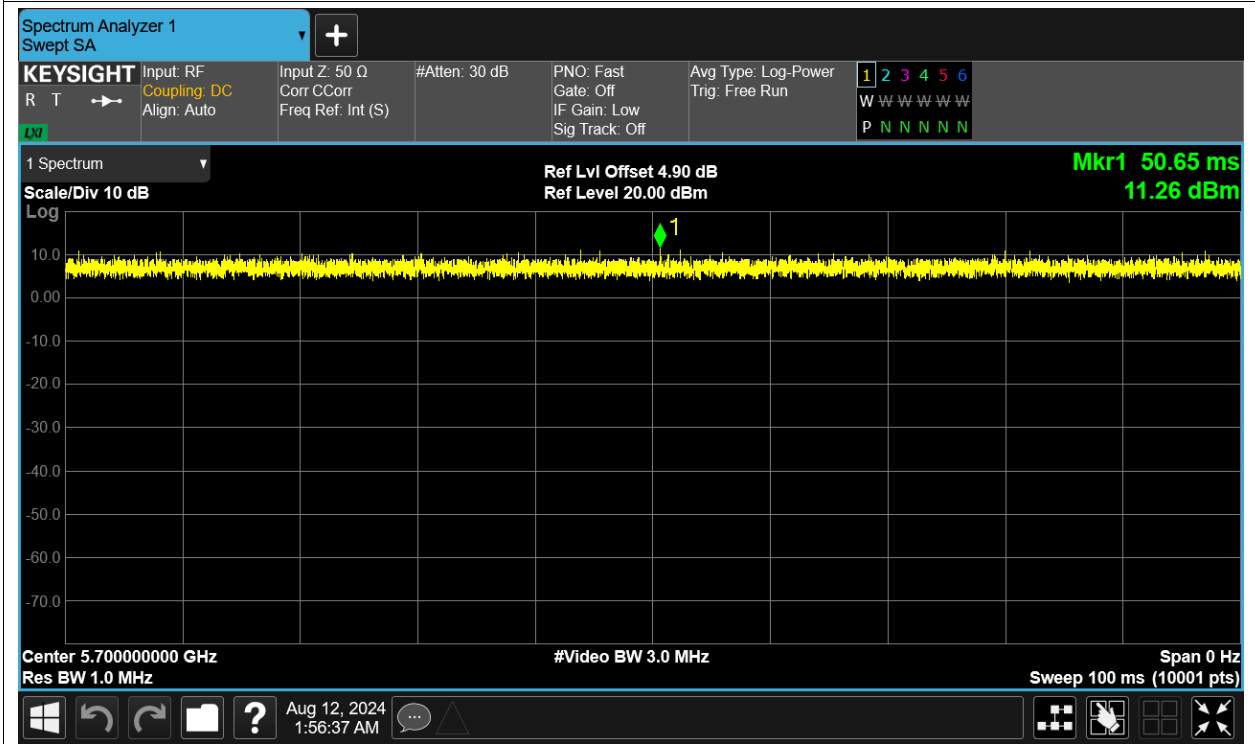
Duty Cycle NVNT n20 5500MHz Ant1



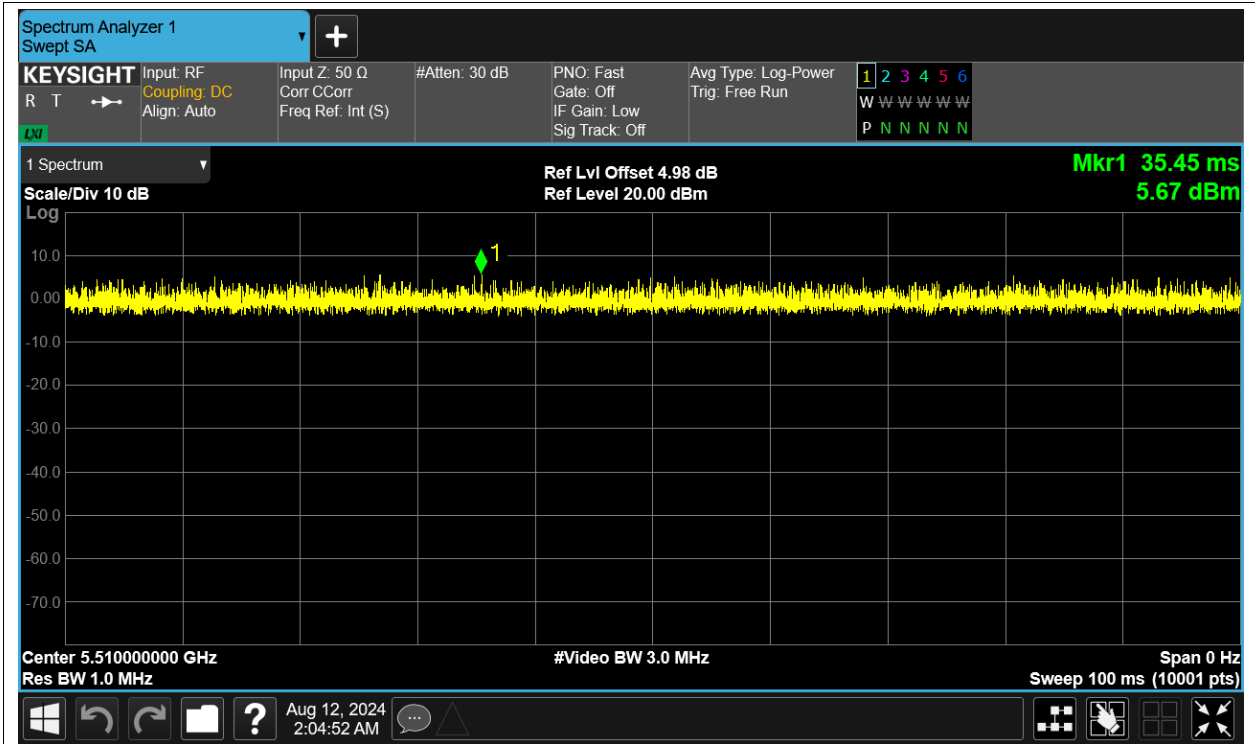
Duty Cycle NVNT n20 5600MHz Ant1



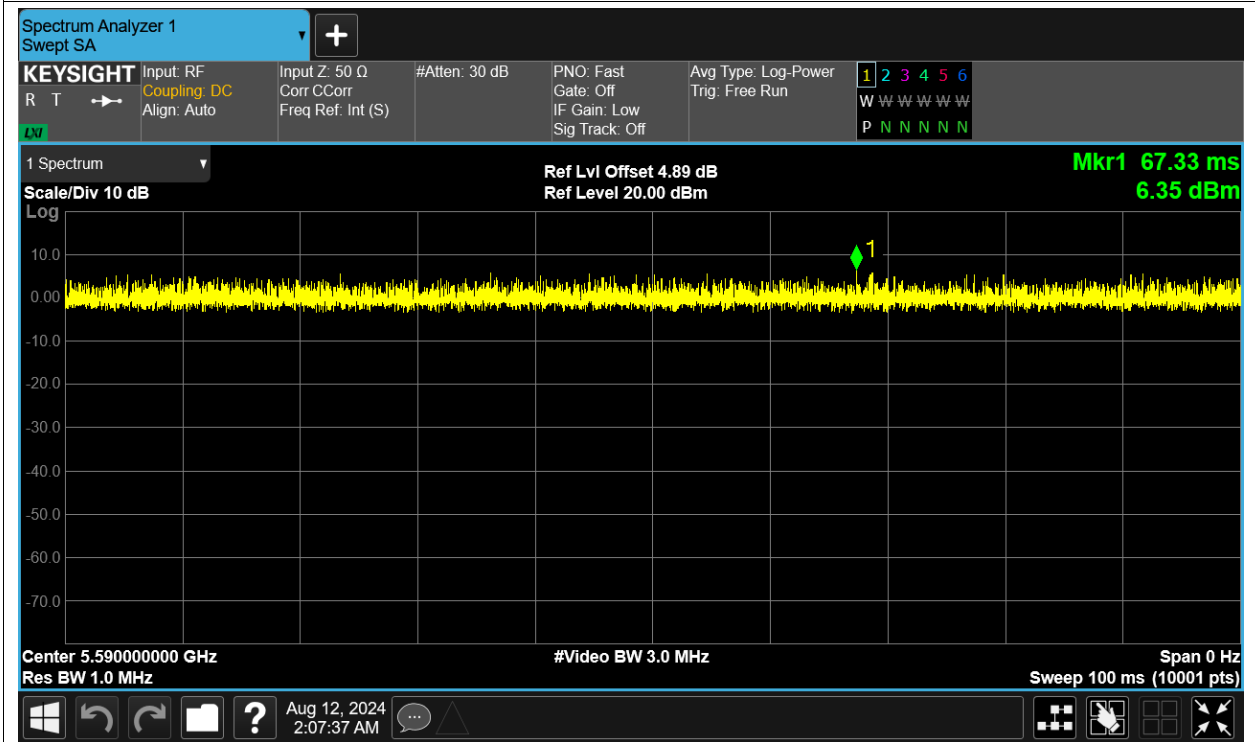
Duty Cycle NVNT n20 5700MHz Ant1



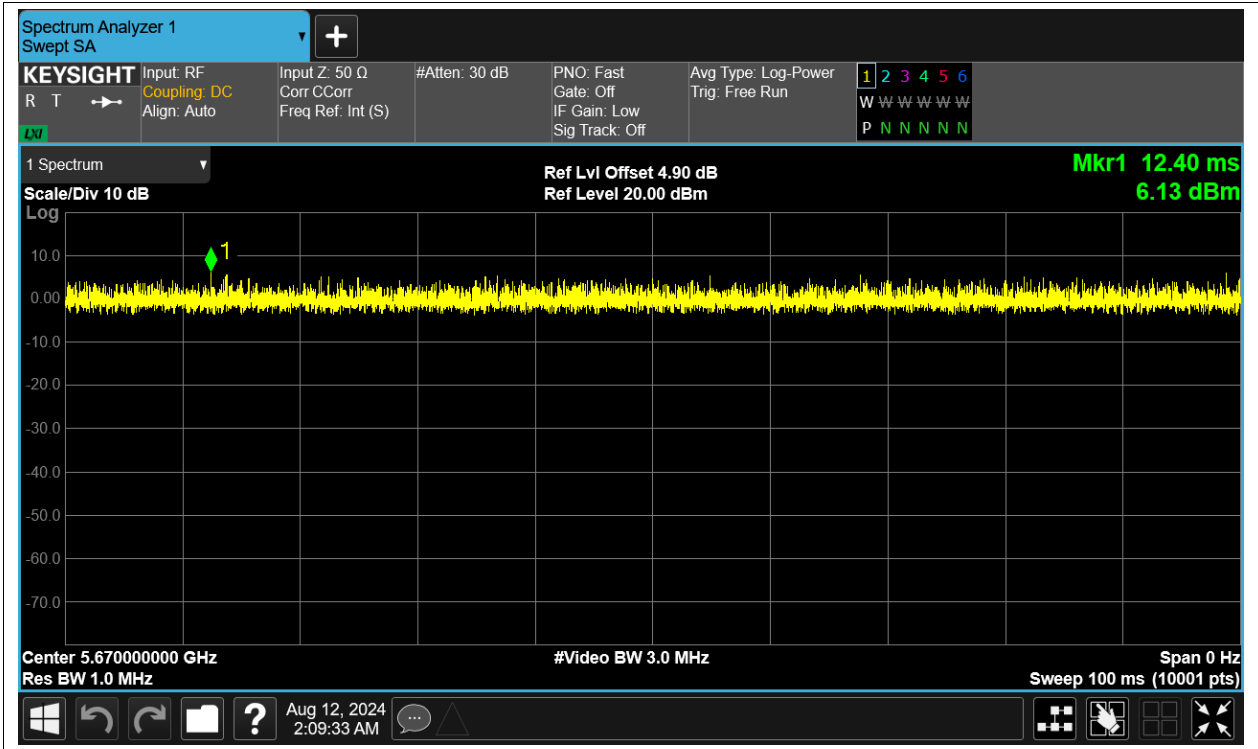
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



Maximum Conducted Output Power

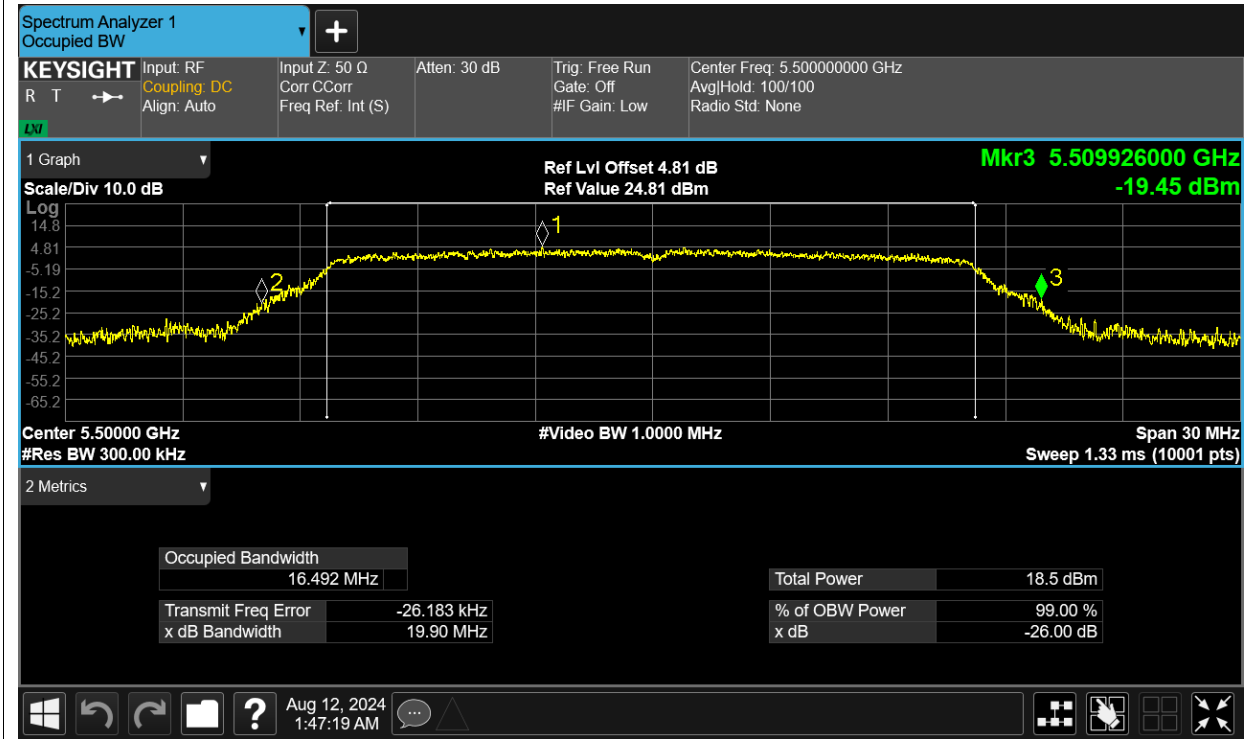
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	15.26	0	15.26	24	Pass
NVNT	a	5600	Ant1	14	0	14	24	Pass
NVNT	a	5700	Ant1	14.55	0	14.55	24	Pass
NVNT	ac20	5500	Ant1	15.26	0	15.26	24	Pass
NVNT	ac20	5600	Ant1	14.85	0	14.85	24	Pass
NVNT	ac20	5700	Ant1	14.3	0	14.3	24	Pass
NVNT	ac40	5510	Ant1	13.55	0	13.55	24	Pass
NVNT	ac40	5590	Ant1	13.46	0	13.46	24	Pass
NVNT	ac40	5670	Ant1	12.7	0	12.7	24	Pass
NVNT	ac80	5530	Ant1	12.87	0	12.87	24	Pass
NVNT	ac80	5610	Ant1	11.61	0	11.61	24	Pass
NVNT	n20	5500	Ant1	14.17	0	14.17	24	Pass
NVNT	n20	5600	Ant1	13.73	0	13.73	24	Pass
NVNT	n20	5700	Ant1	14.33	0	14.33	24	Pass
NVNT	n40	5510	Ant1	13.51	0	13.51	24	Pass
NVNT	n40	5590	Ant1	13.36	0	13.36	24	Pass
NVNT	n40	5670	Ant1	13.02	0	13.02	24	Pass

-26dB Bandwidth

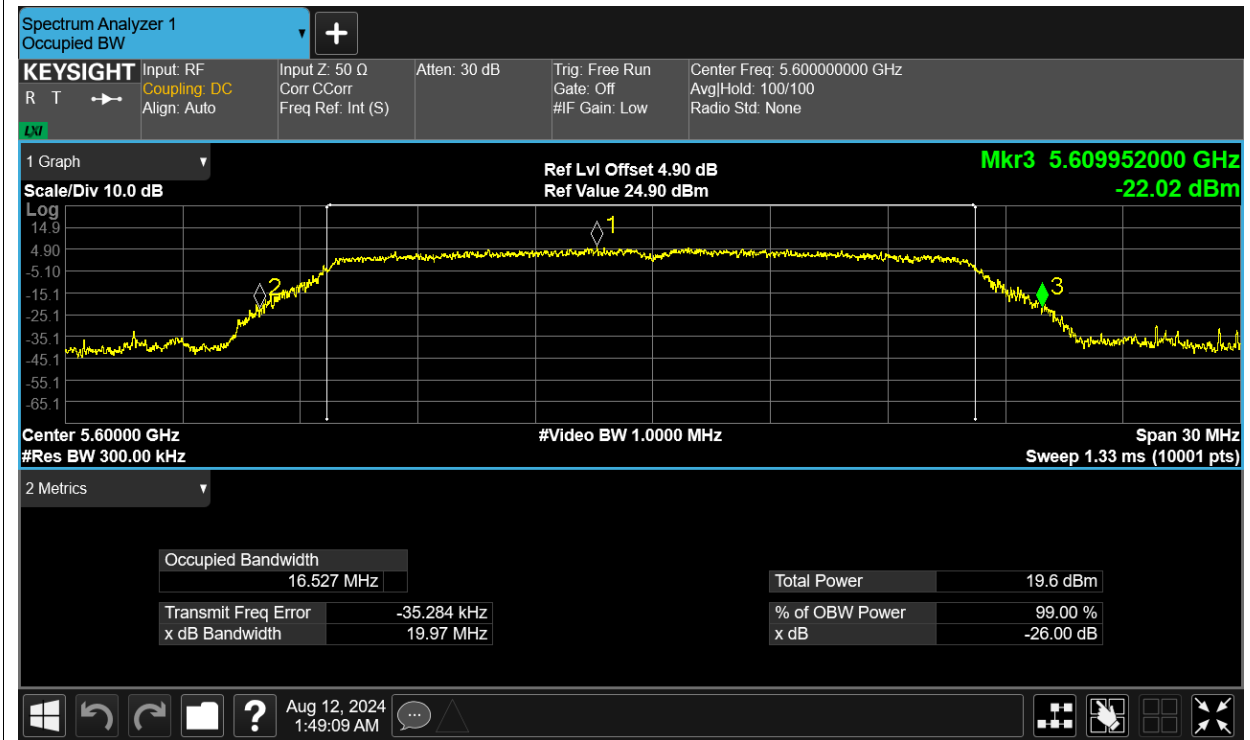
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	19.904
NVNT	a	5600	Ant1	19.974
NVNT	a	5700	Ant1	20.012
NVNT	ac20	5500	Ant1	19.091
NVNT	ac20	5600	Ant1	20.368
NVNT	ac20	5700	Ant1	20.363
NVNT	ac40	5510	Ant1	39.851
NVNT	ac40	5590	Ant1	39.798
NVNT	ac40	5670	Ant1	39.981
NVNT	ac80	5530	Ant1	79.229
NVNT	ac80	5610	Ant1	79.518
NVNT	n20	5500	Ant1	20.313
NVNT	n20	5600	Ant1	20.084
NVNT	n20	5700	Ant1	20.171
NVNT	n40	5510	Ant1	39.788
NVNT	n40	5590	Ant1	39.803
NVNT	n40	5670	Ant1	39.793

Test Graphs

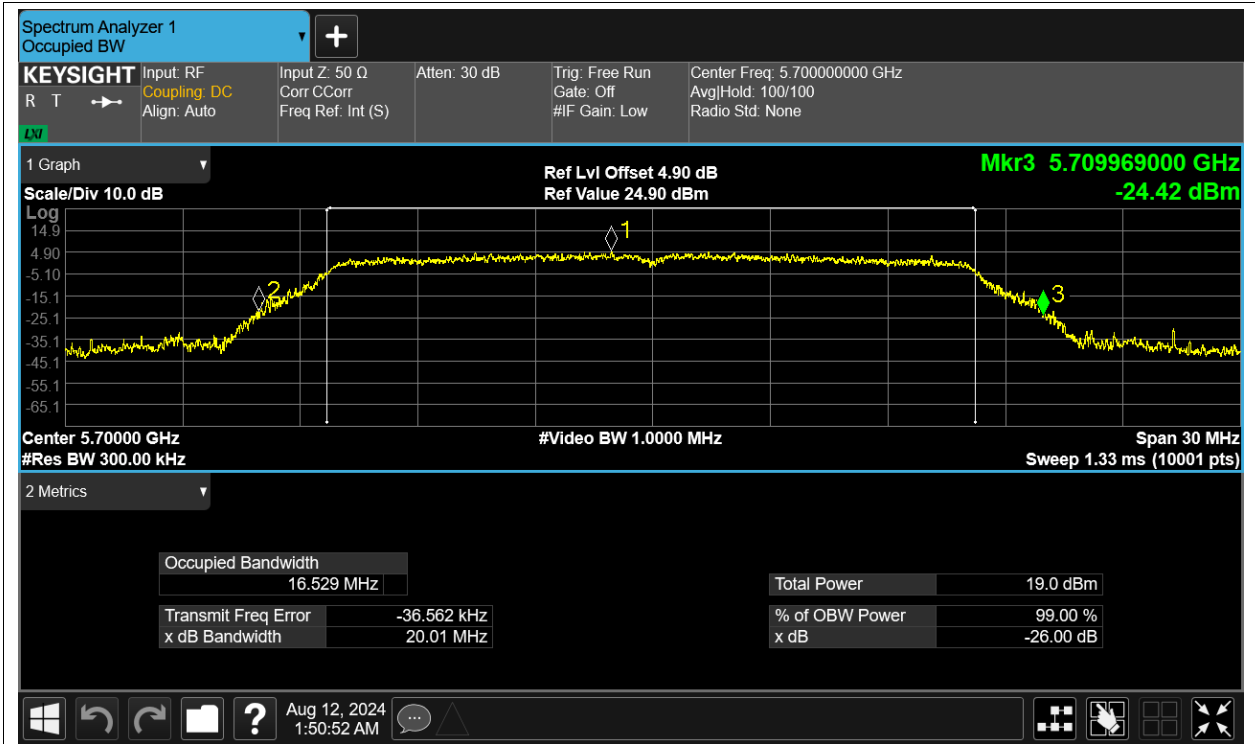
-26dB Bandwidth NVNT a 5500MHz Ant1



-26dB Bandwidth NVNT a 5600MHz Ant1



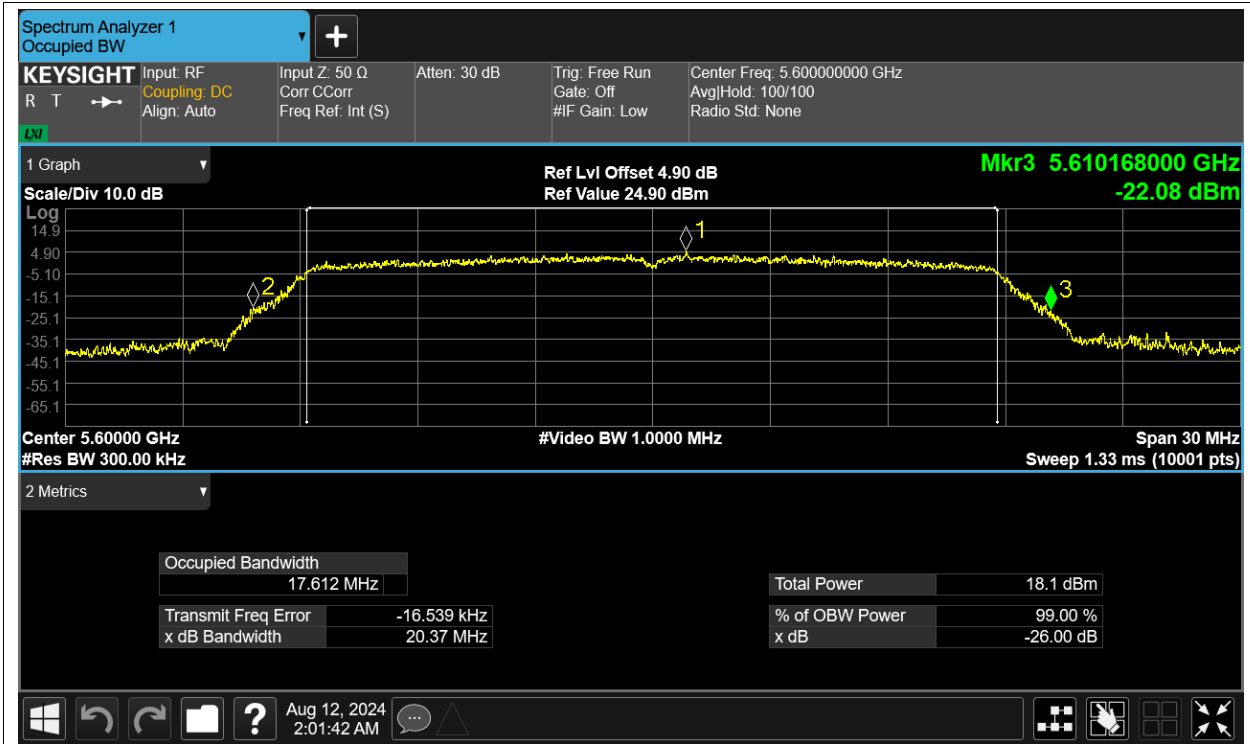
-26dB Bandwidth NVNT a 5700MHz Ant1



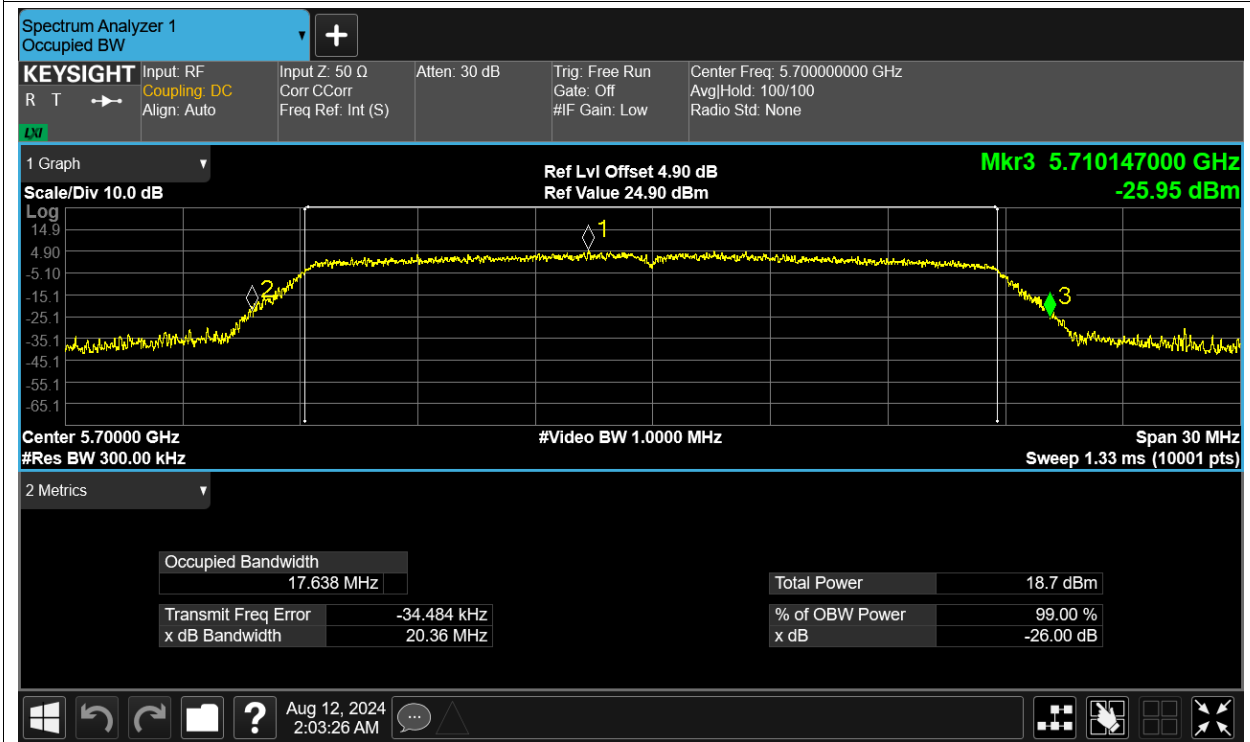
-26dB Bandwidth NVNT ac20 5500MHz Ant1



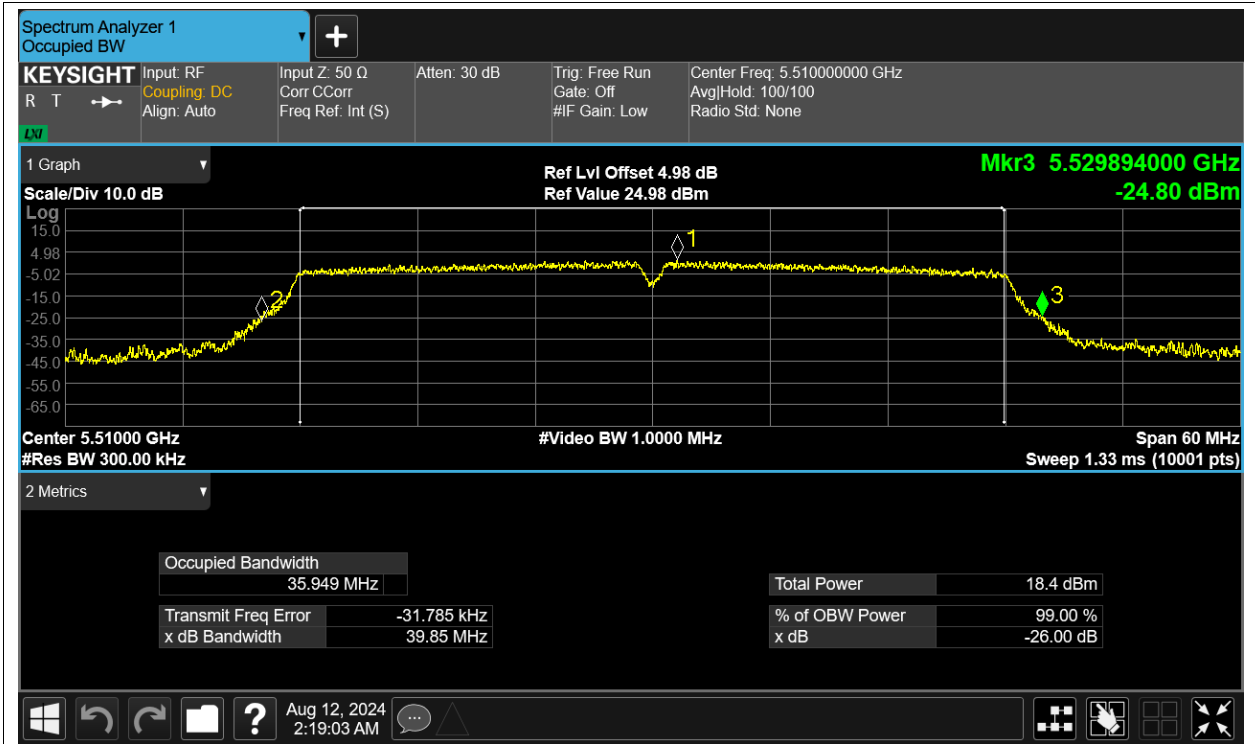
-26dB Bandwidth NVNT ac20 5600MHz Ant1



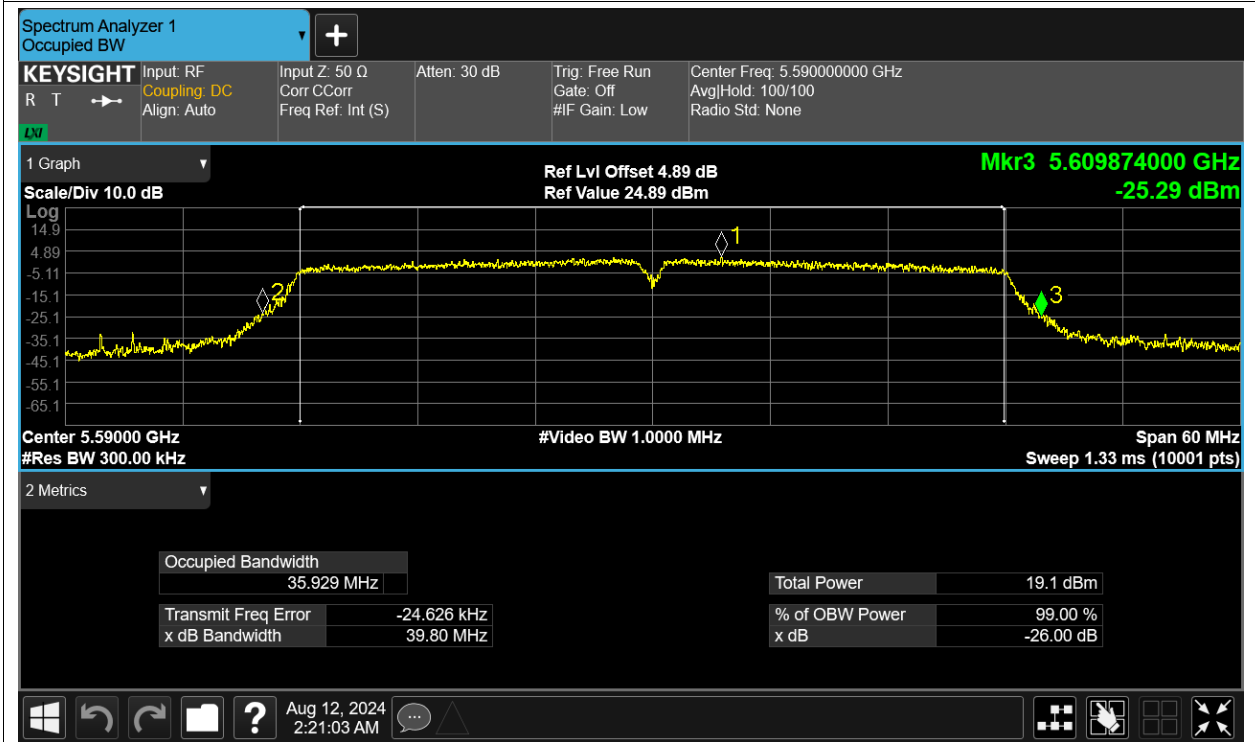
-26dB Bandwidth NVNT ac20 5700MHz Ant1



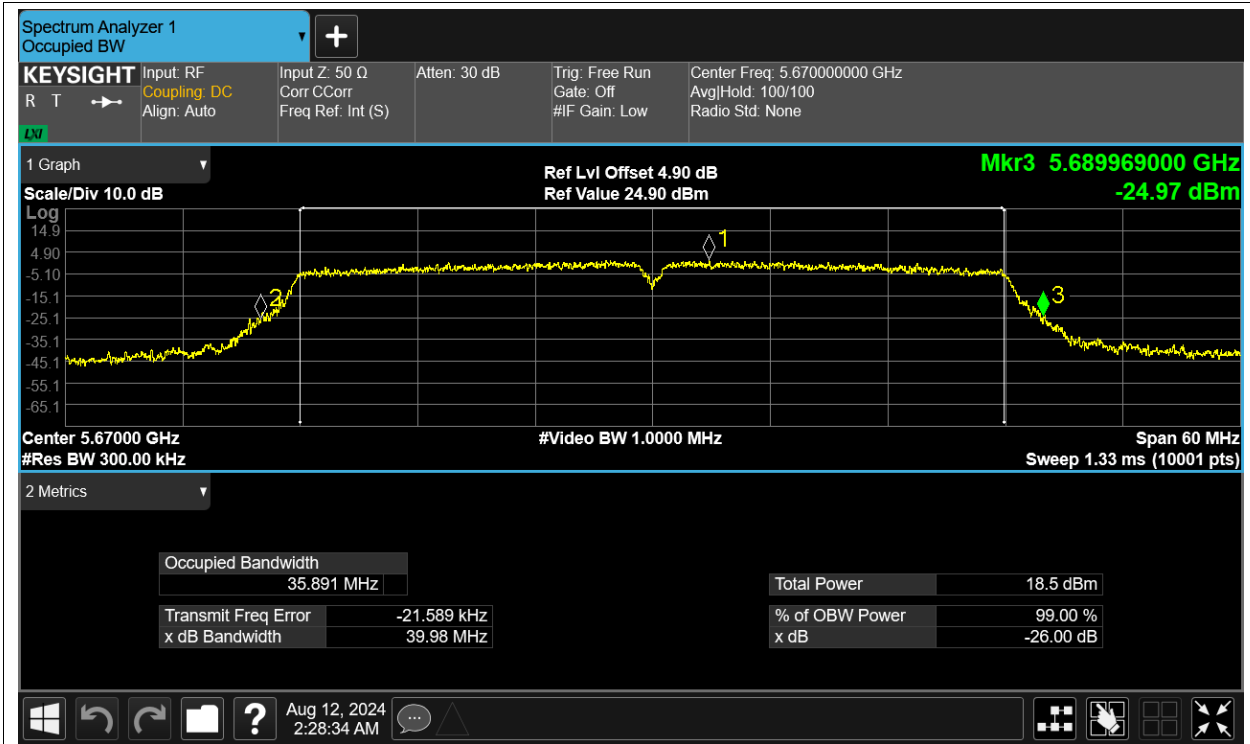
-26dB Bandwidth NVNT ac40 5510MHz Ant1



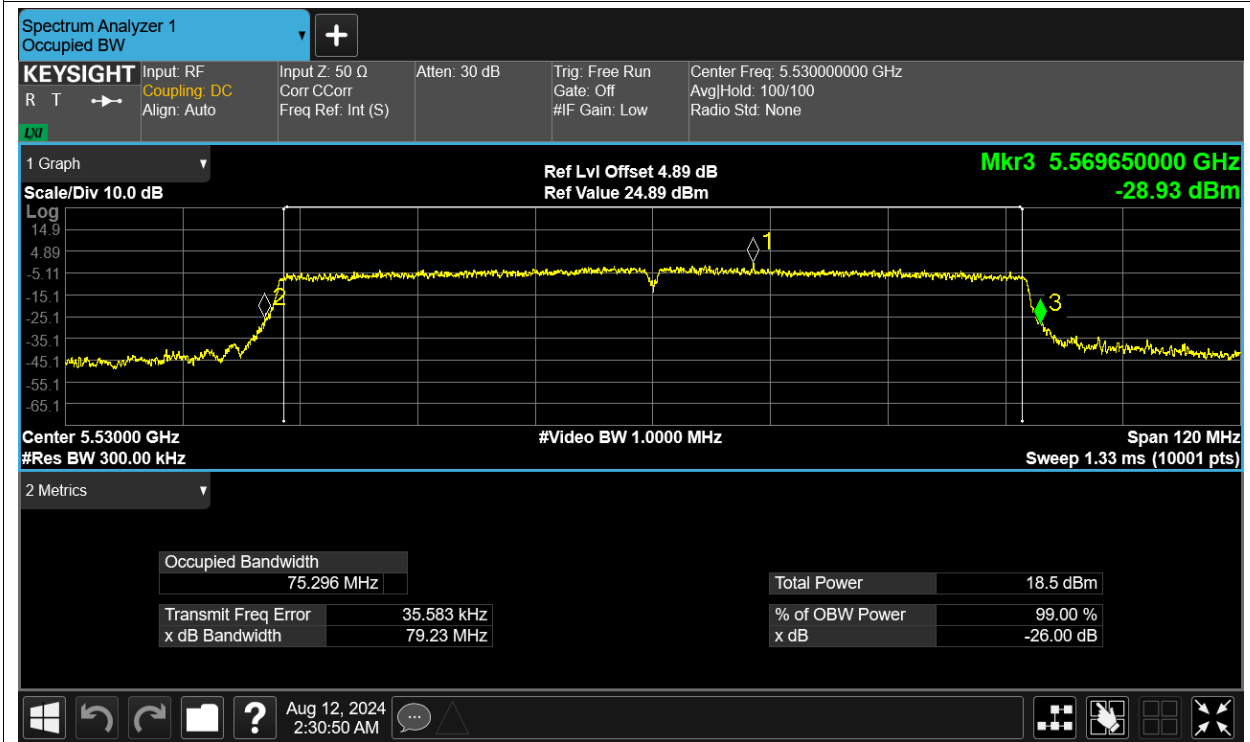
-26dB Bandwidth NVNT ac40 5590MHz Ant1



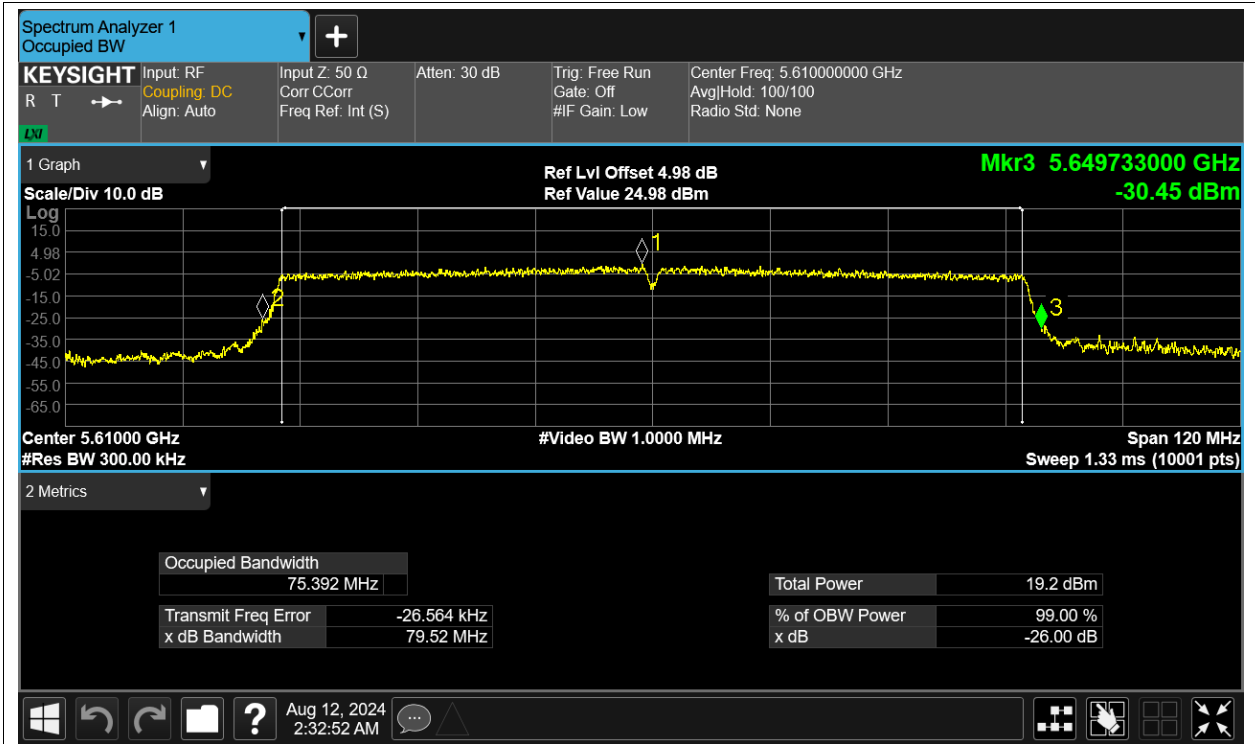
-26dB Bandwidth NVNT ac40 5670MHz Ant1



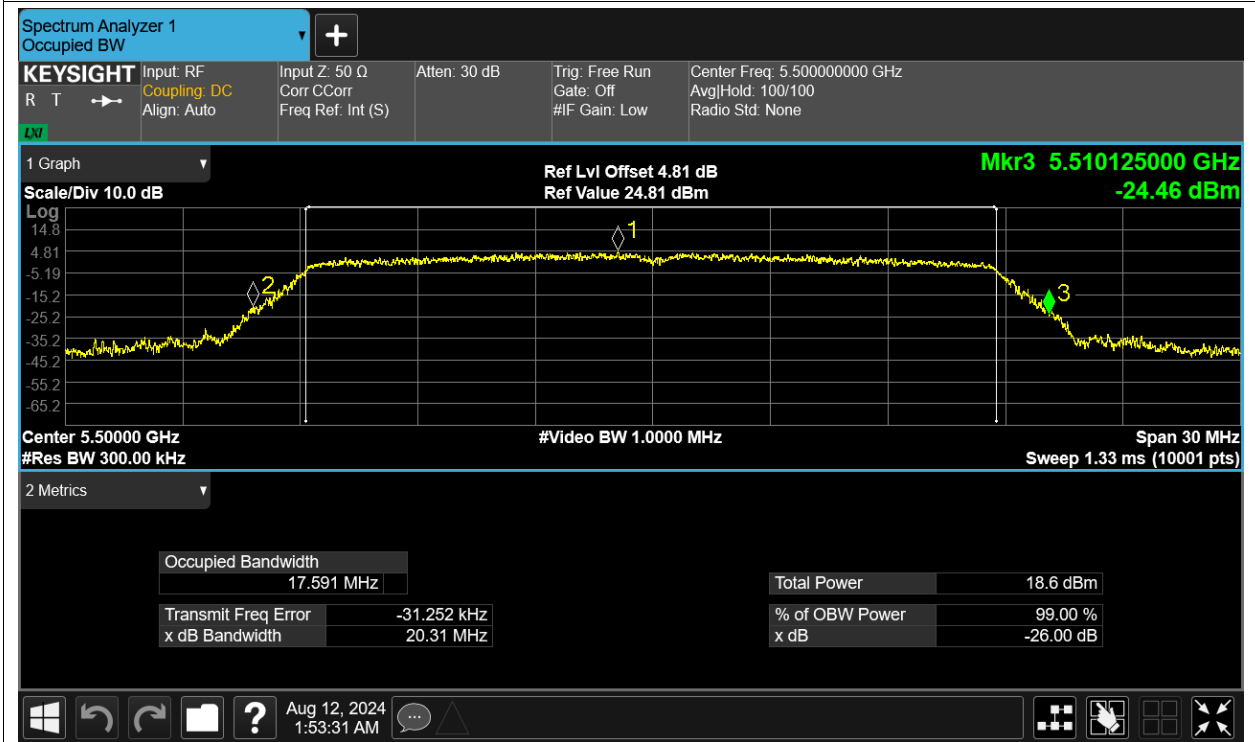
-26dB Bandwidth NVNT ac80 5530MHz Ant1



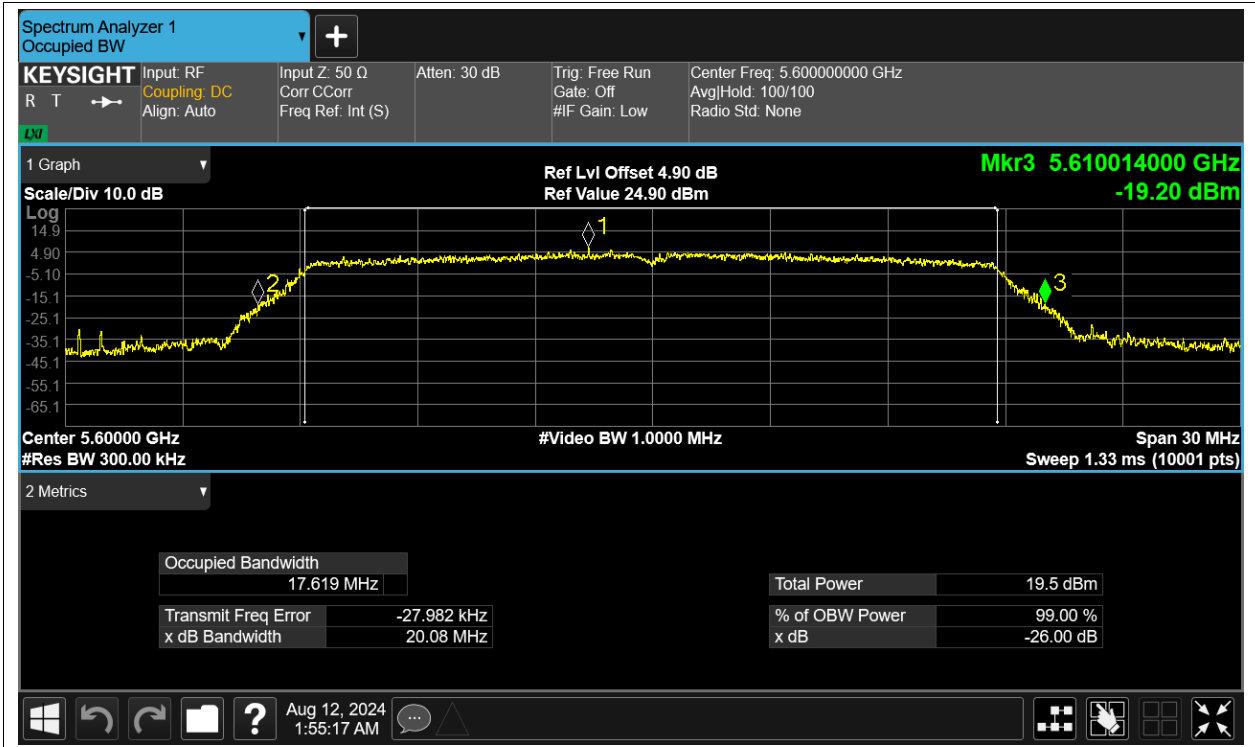
-26dB Bandwidth NVNT ac80 5610MHz Ant1



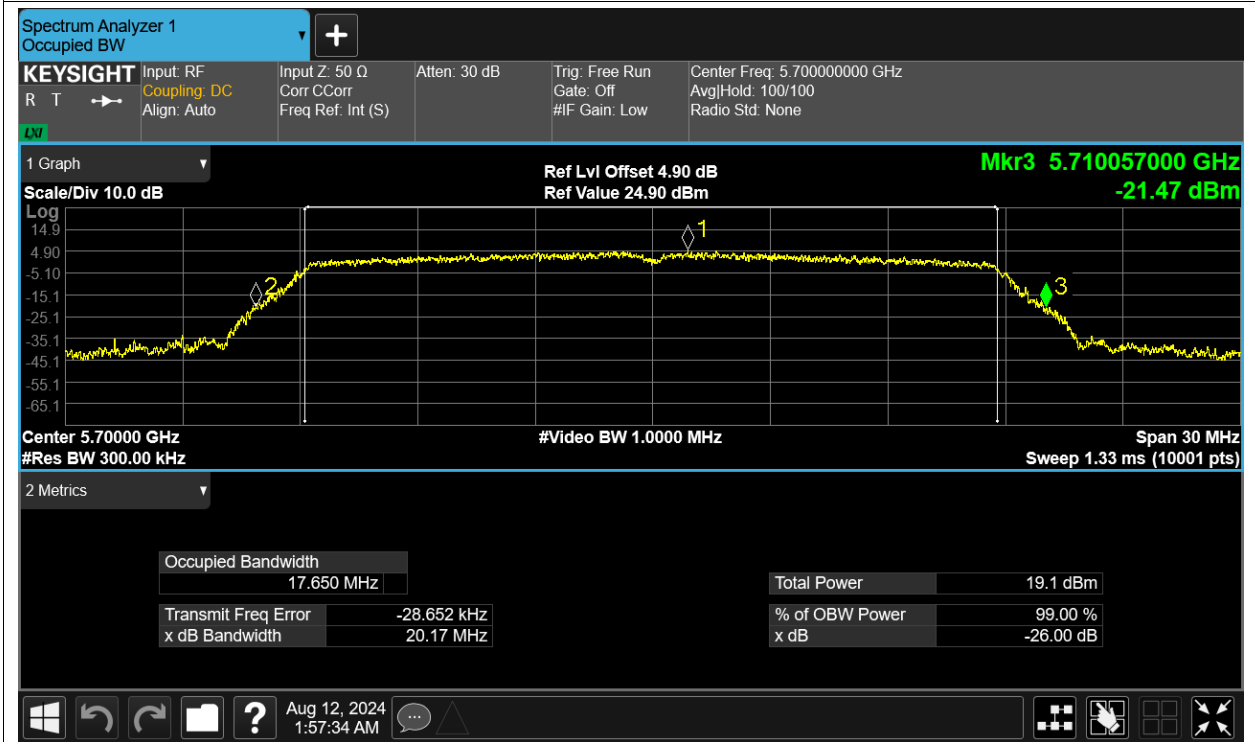
-26dB Bandwidth NVNT n20 5500MHz Ant1



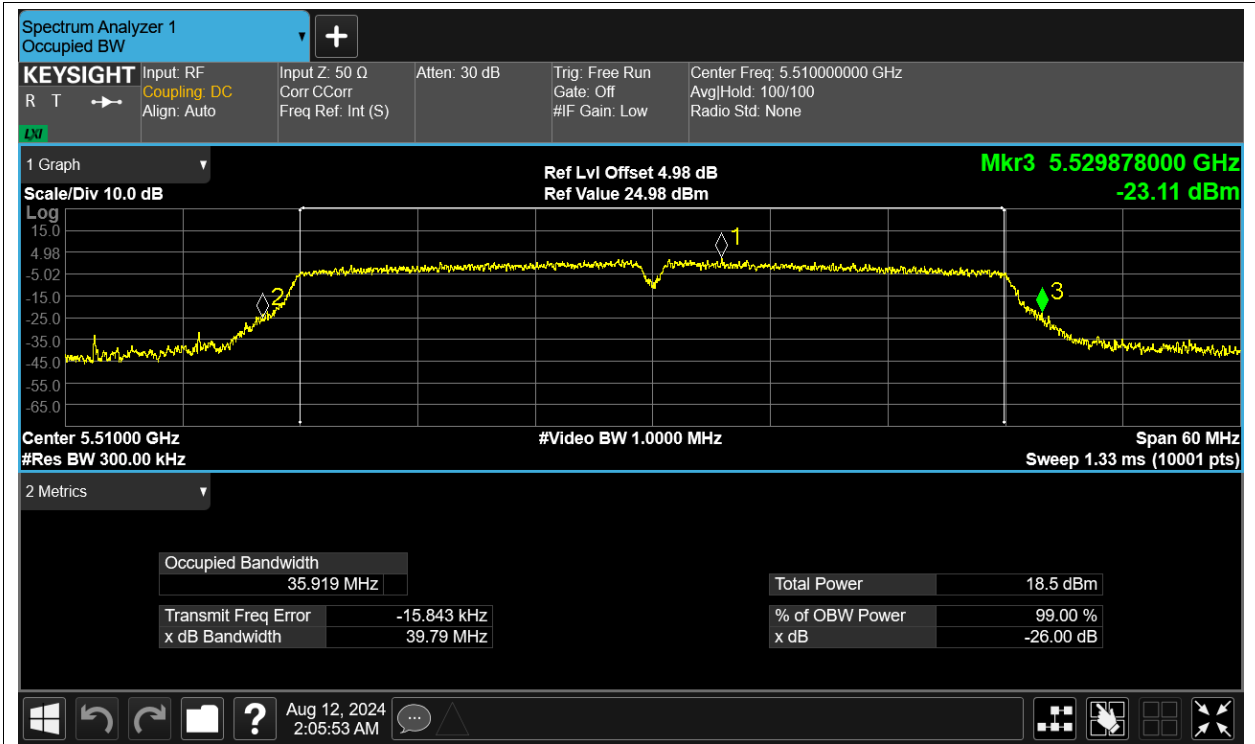
-26dB Bandwidth NVNT n20 5600MHz Ant1



-26dB Bandwidth NVNT n20 5700MHz Ant1



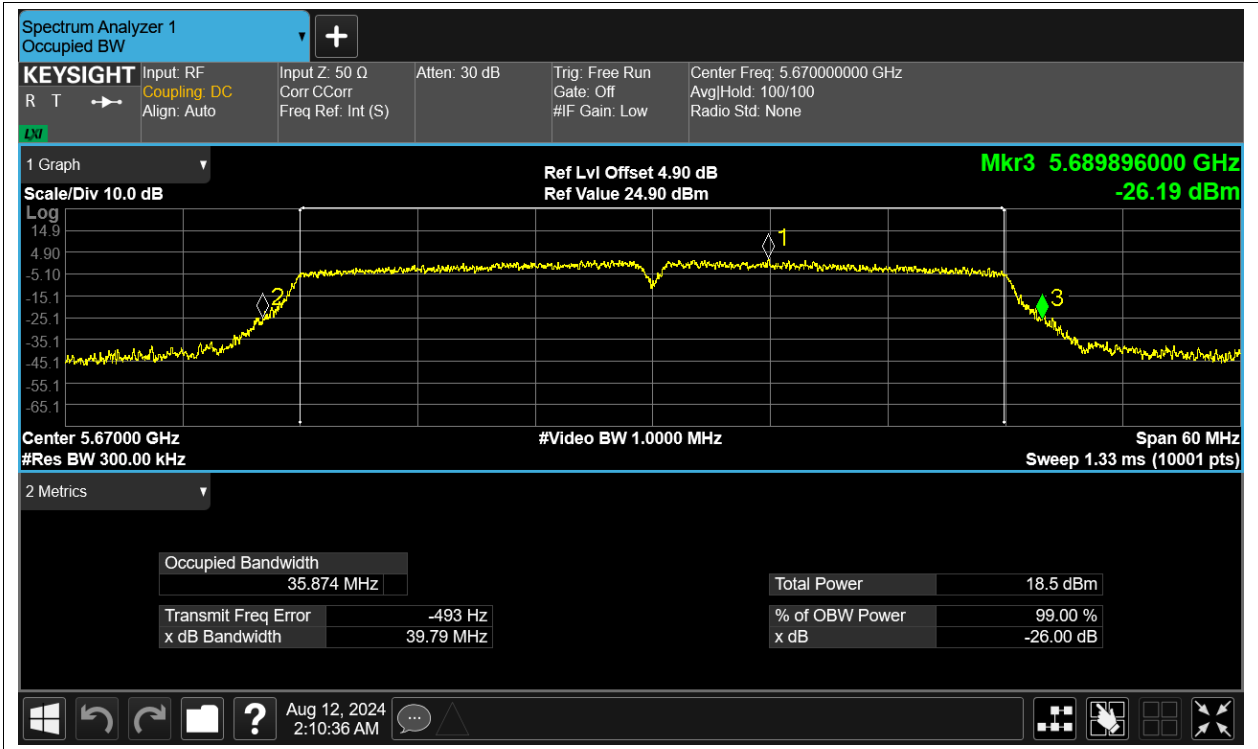
-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant1

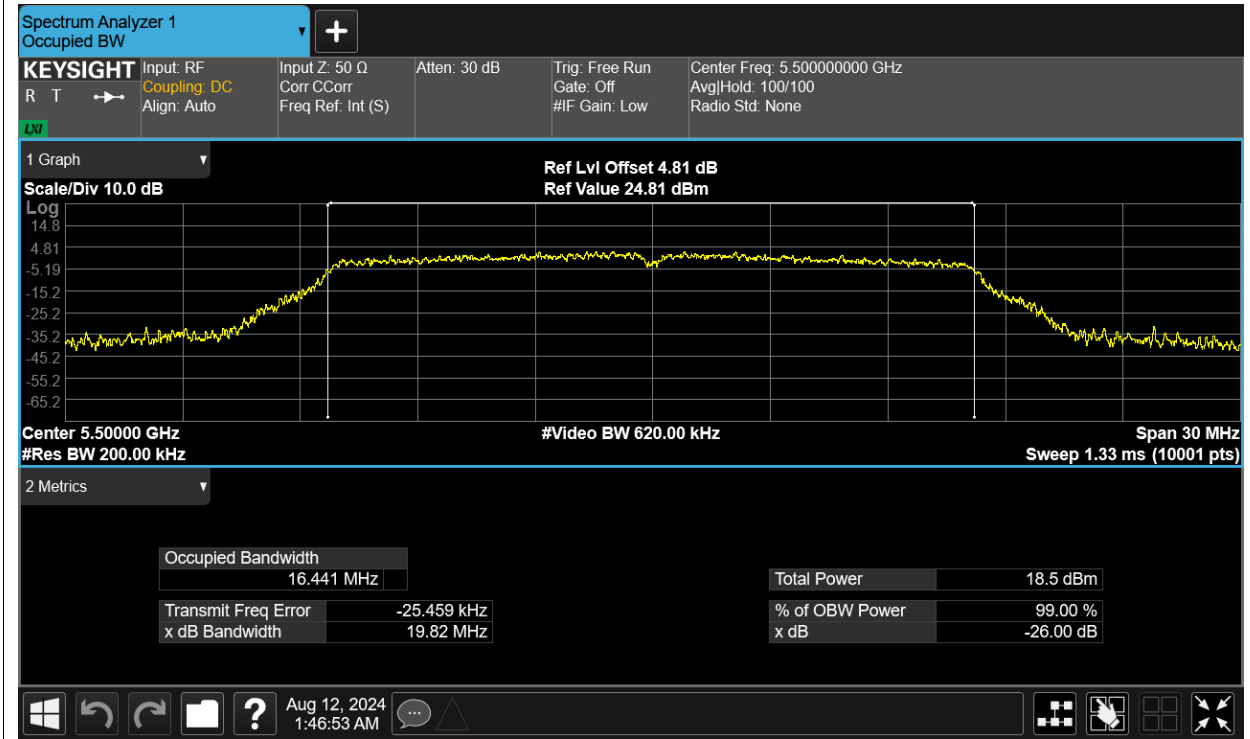


Occupied Channel Bandwidth

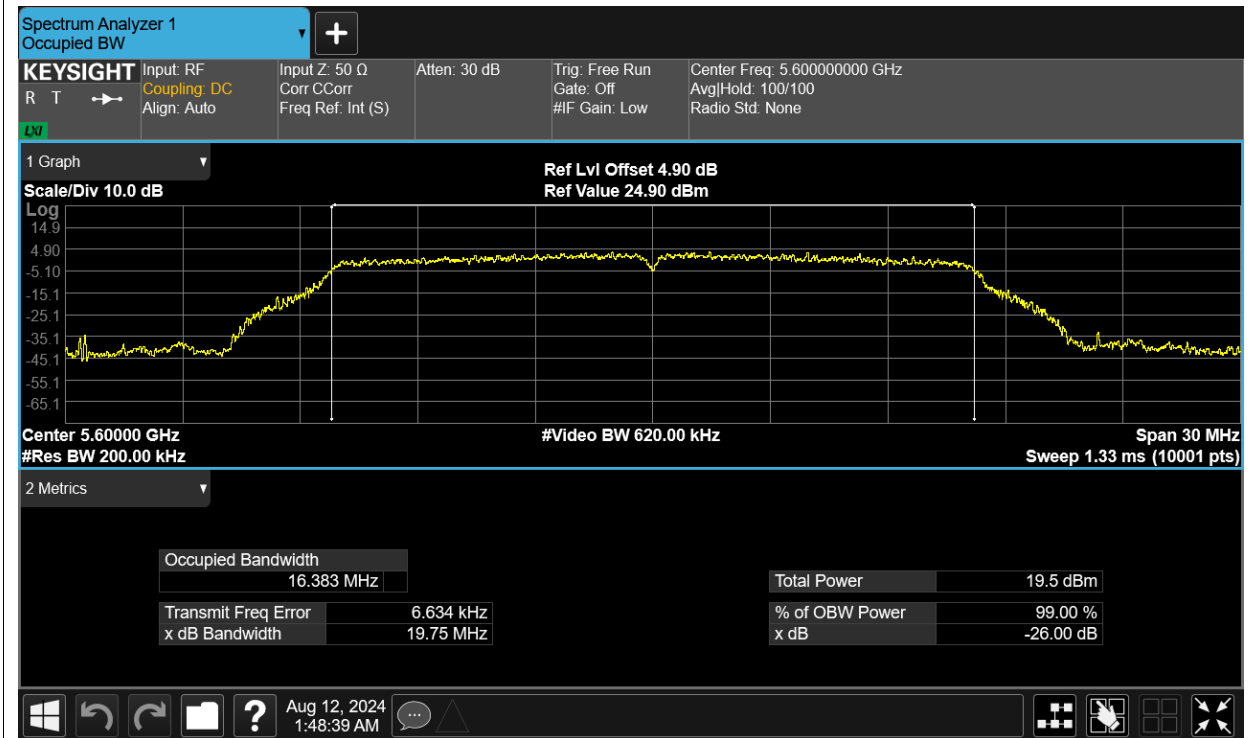
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.441
NVNT	a	5600	Ant1	16.383
NVNT	a	5700	Ant1	16.379
NVNT	ac20	5500	Ant1	17.512
NVNT	ac20	5600	Ant1	17.559
NVNT	ac20	5700	Ant1	17.549
NVNT	ac40	5510	Ant1	35.972
NVNT	ac40	5590	Ant1	35.975
NVNT	ac40	5670	Ant1	36.009
NVNT	ac80	5530	Ant1	75.294
NVNT	ac80	5610	Ant1	75.342
NVNT	n20	5500	Ant1	17.547
NVNT	n20	5600	Ant1	17.55
NVNT	n20	5700	Ant1	17.557
NVNT	n40	5510	Ant1	35.998
NVNT	n40	5590	Ant1	35.994
NVNT	n40	5670	Ant1	35.946

Test Graphs

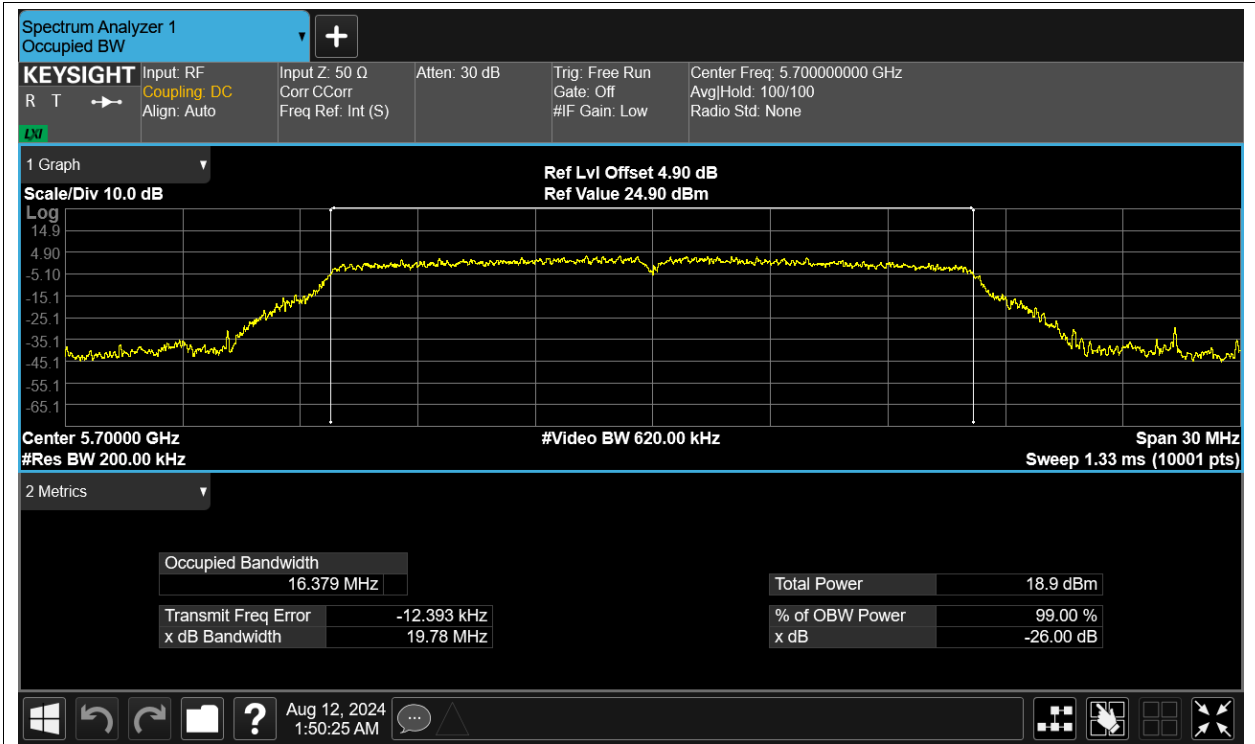
OBW NVNT a 5500MHz Ant1



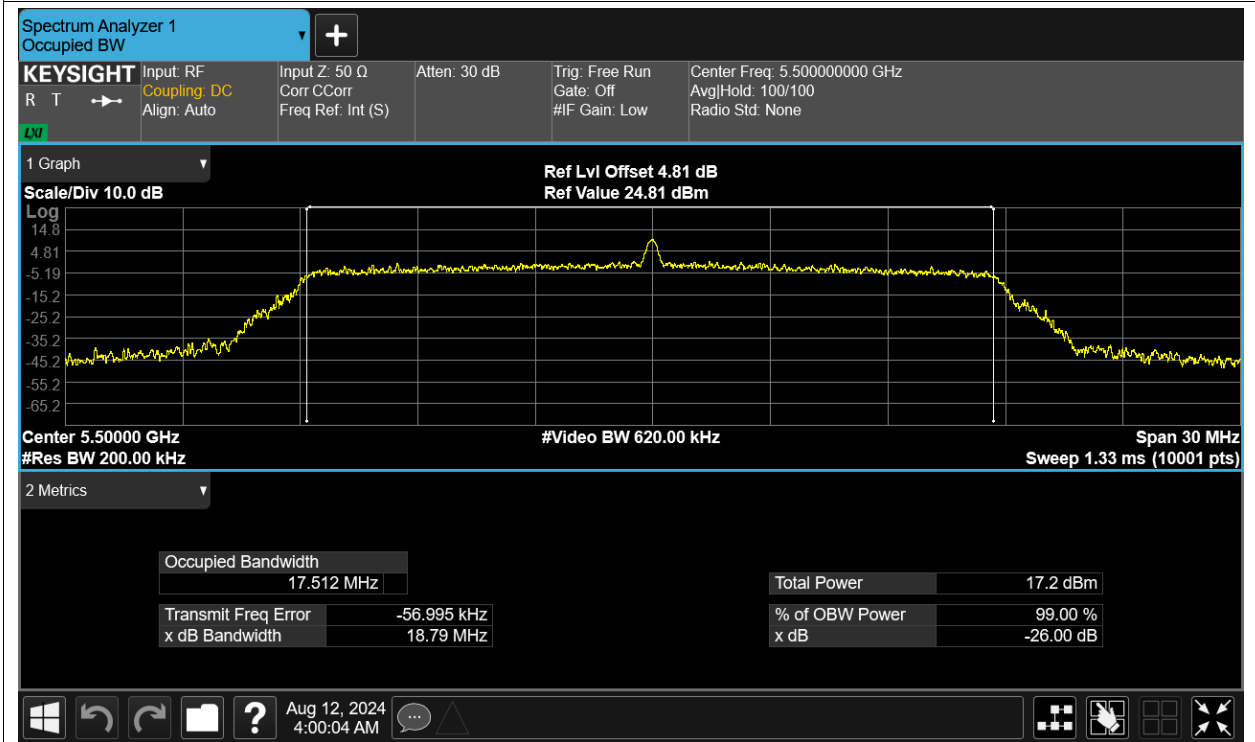
OBW NVNT a 5600MHz Ant1



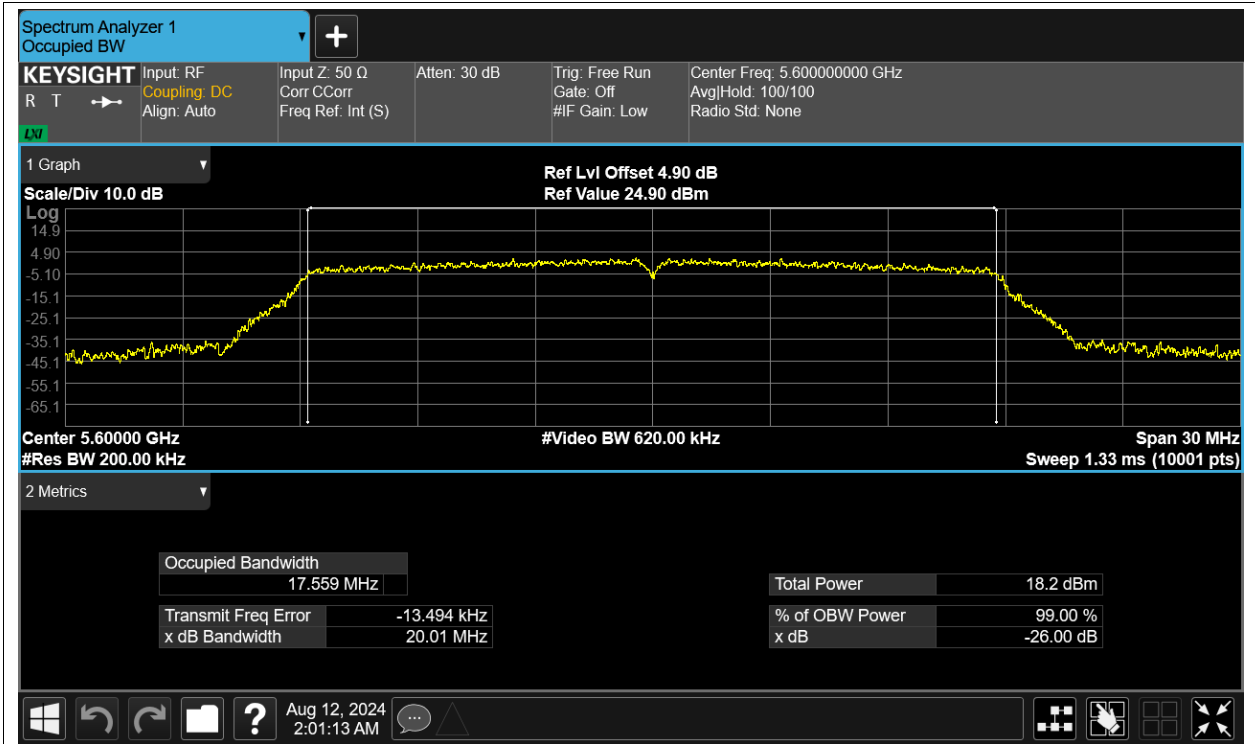
OBW NVNT a 5700MHz Ant1



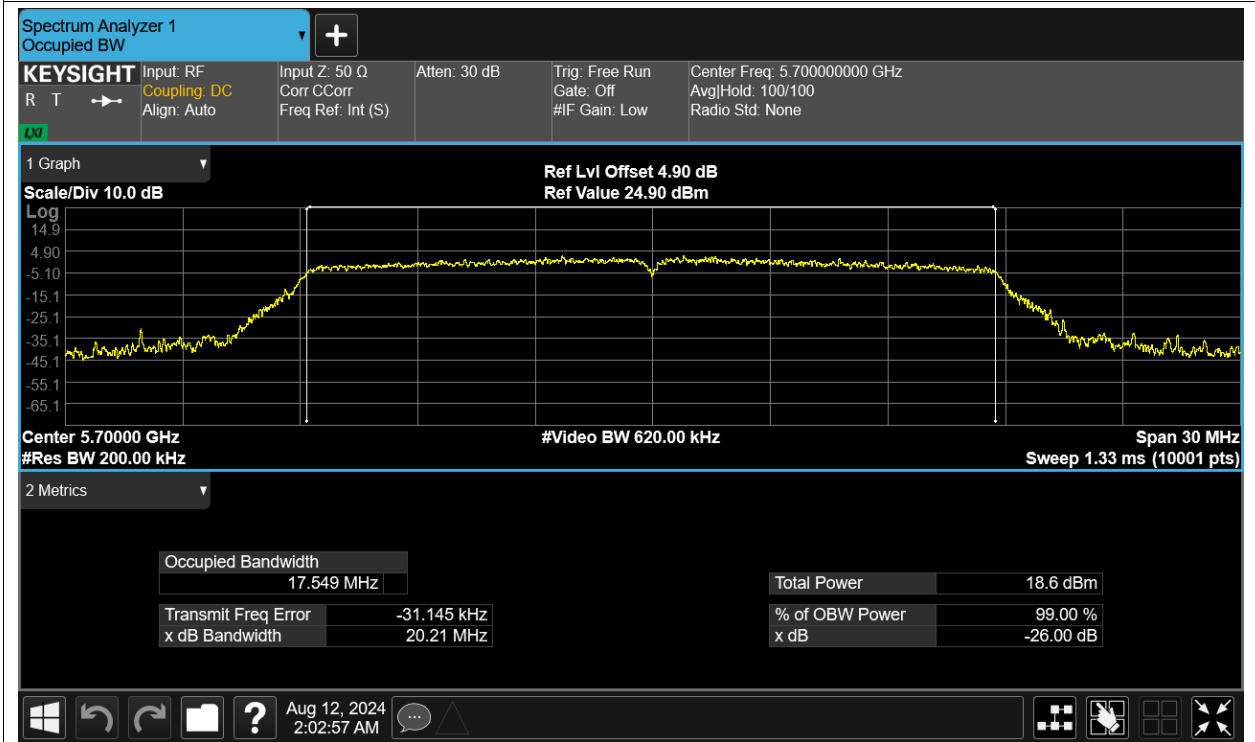
OBW NVNT ac20 5500MHz Ant1



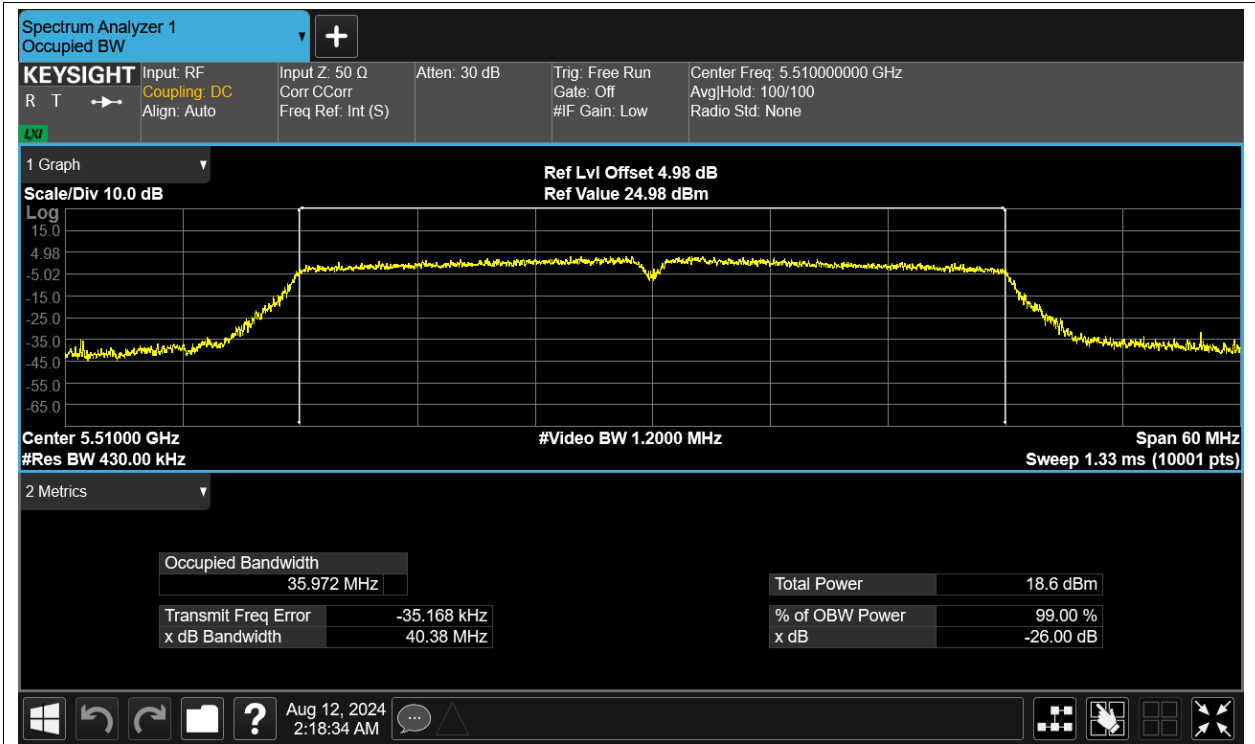
OBW NVNT ac20 5600MHz Ant1



OBW NVNT ac20 5700MHz Ant1



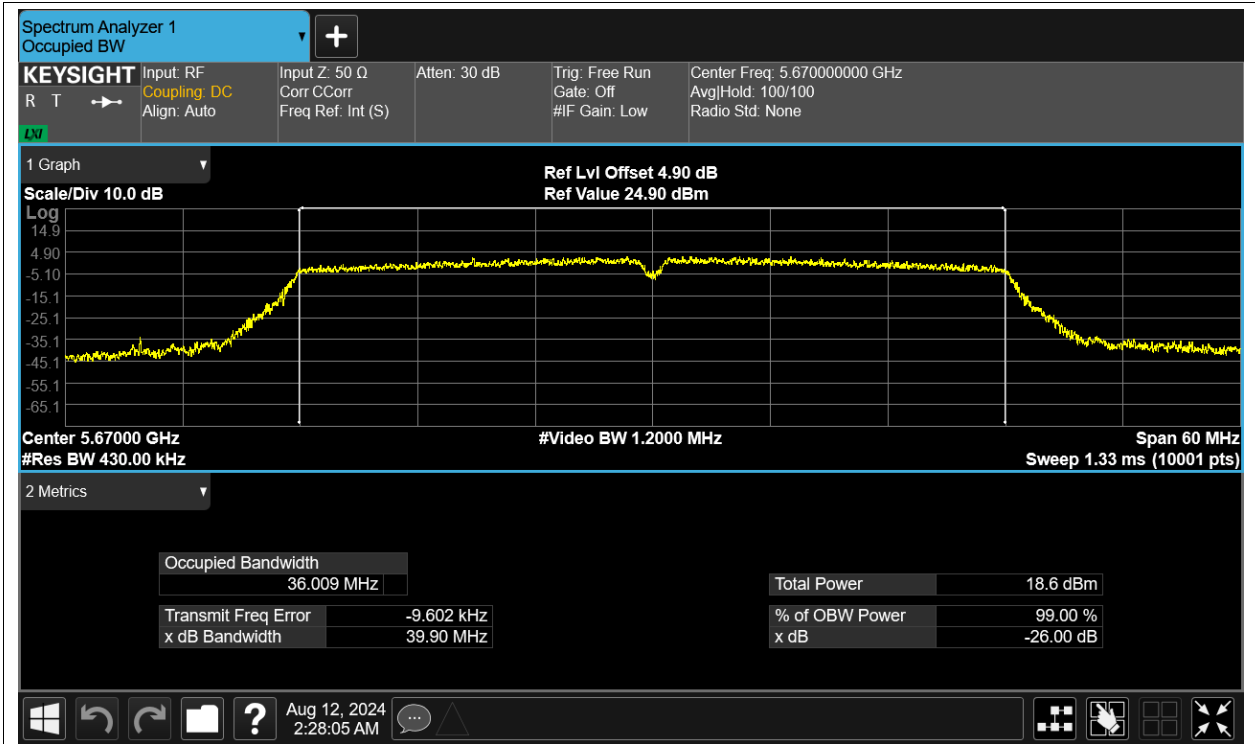
OBW NVNT ac40 5510MHz Ant1



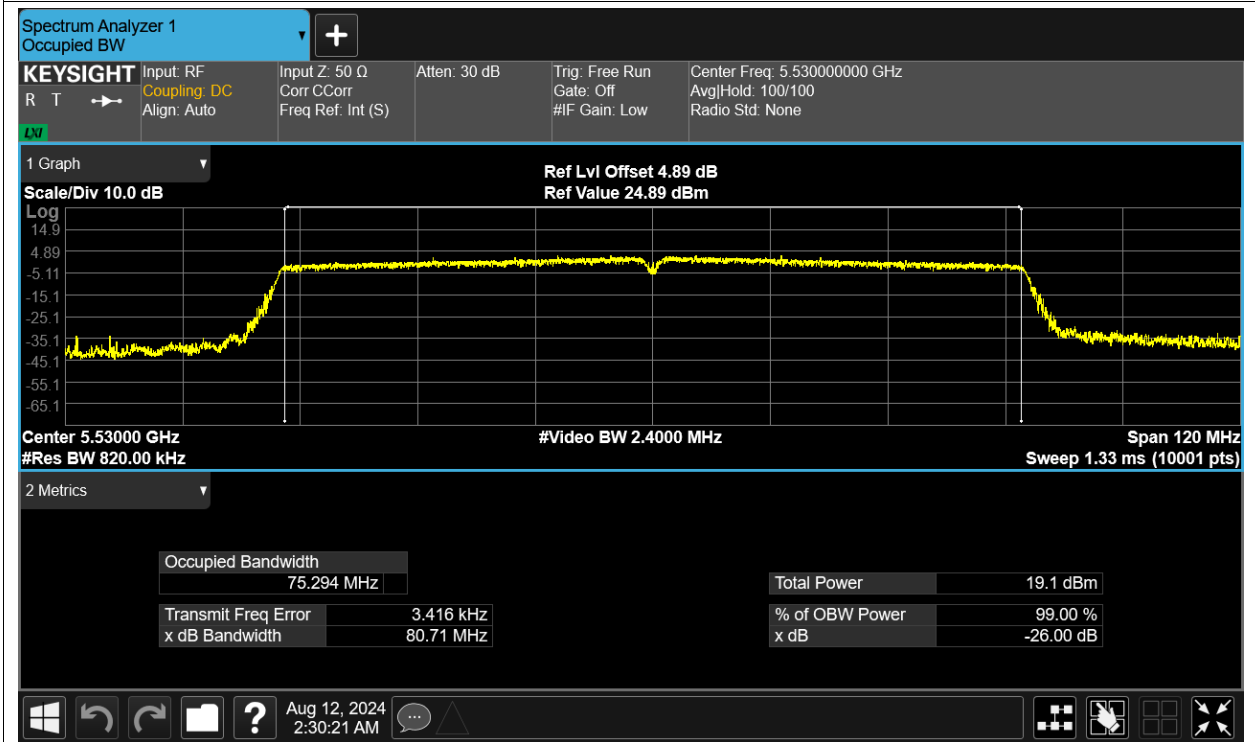
OBW NVNT ac40 5590MHz Ant1



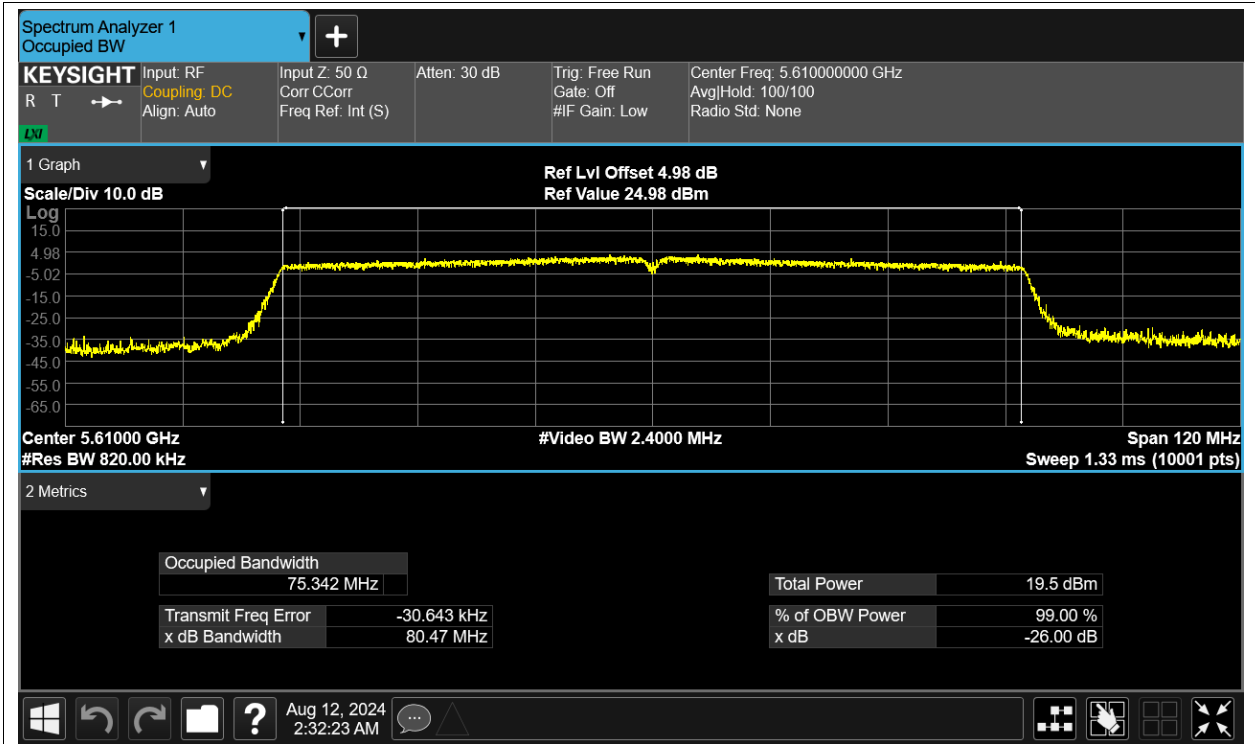
OBW NVNT ac40 5670MHz Ant1



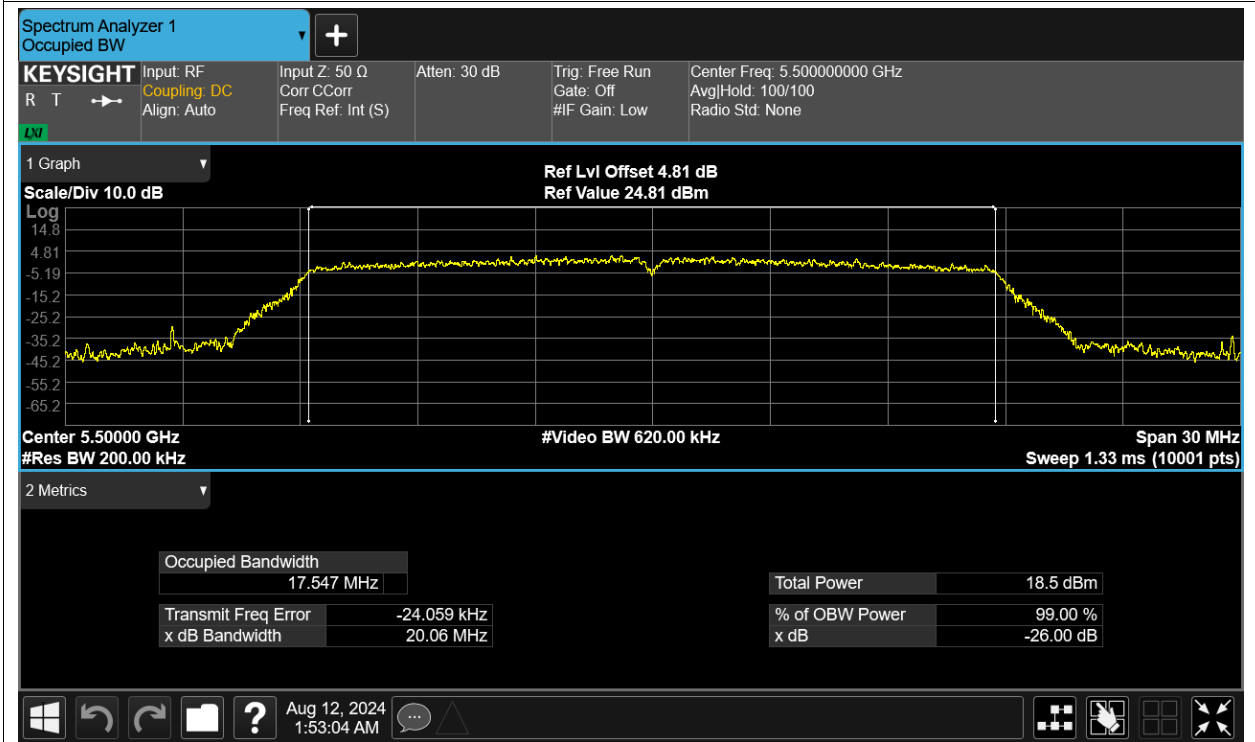
OBW NVNT ac80 5530MHz Ant1



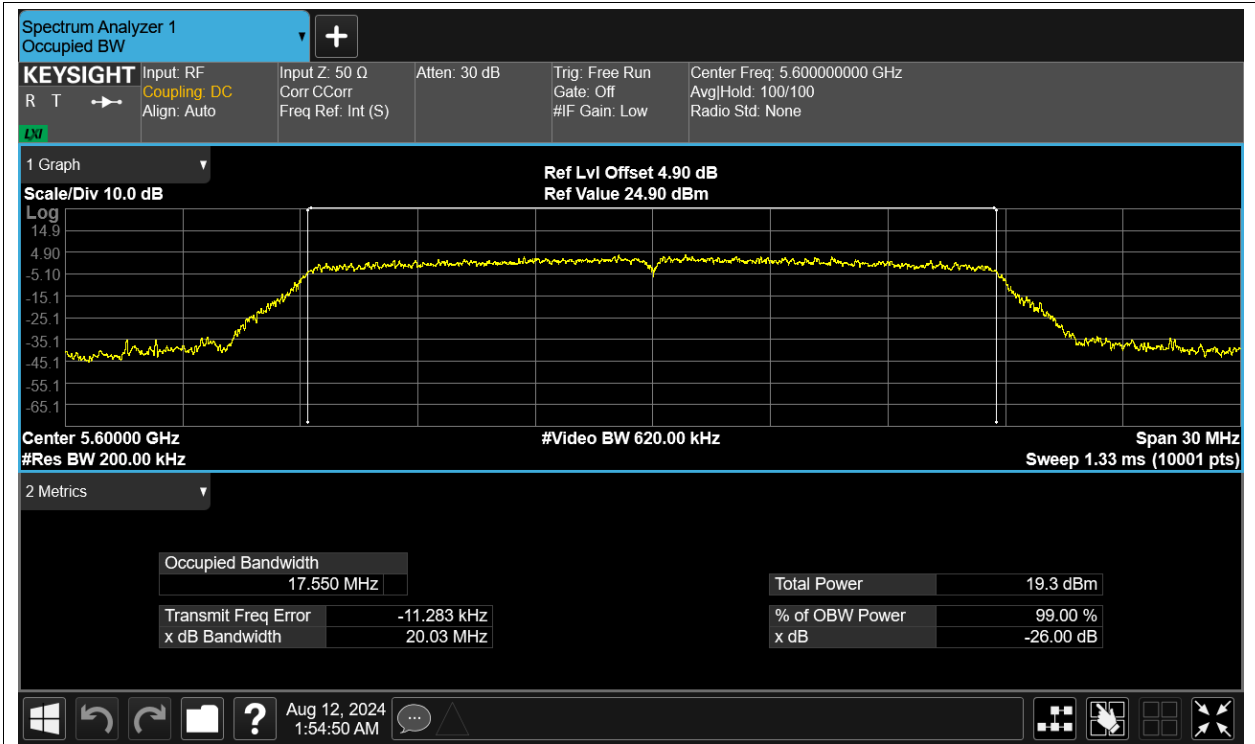
OBW NVNT ac80 5610MHz Ant1



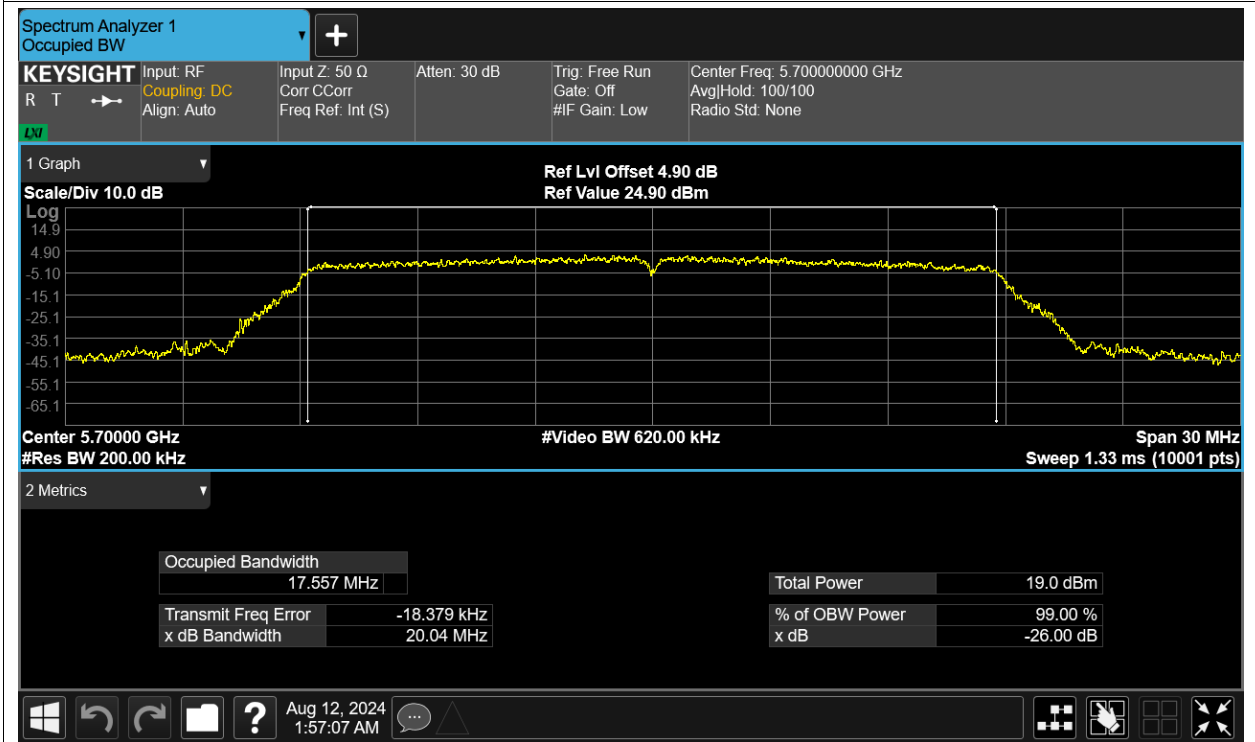
OBW NVNT n20 5500MHz Ant1



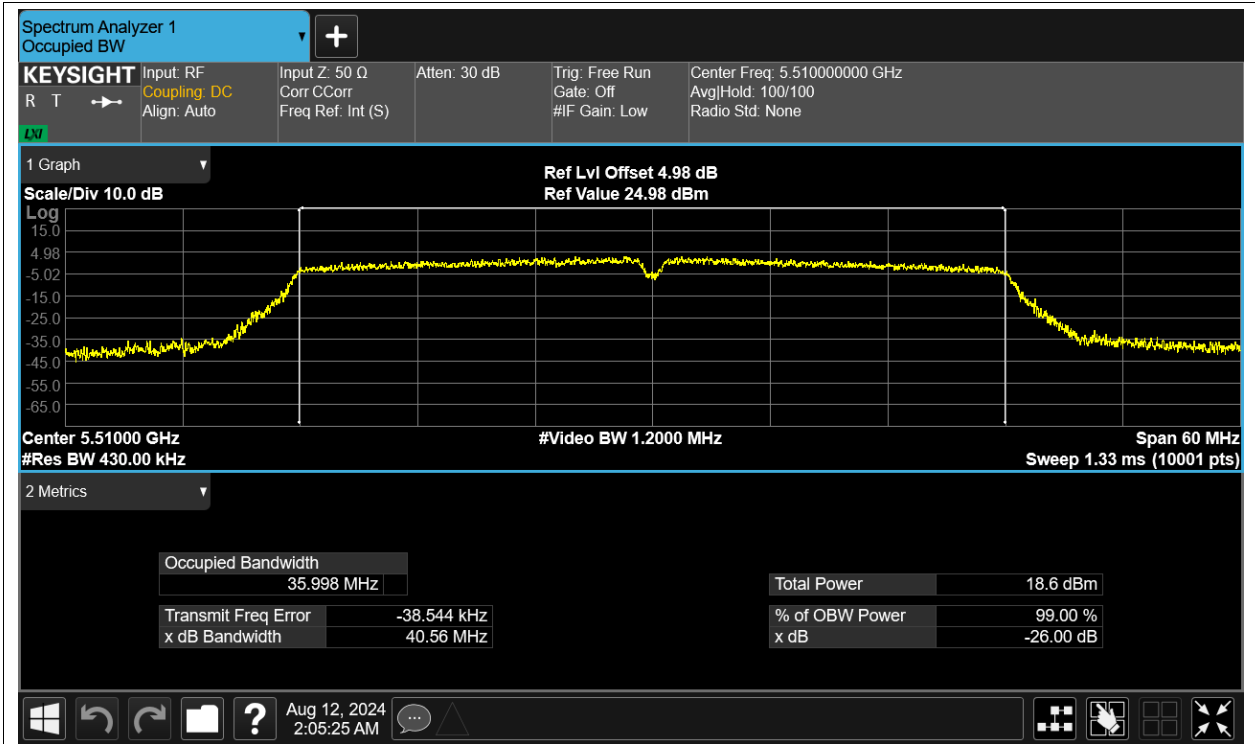
OBW NVNT n20 5600MHz Ant1



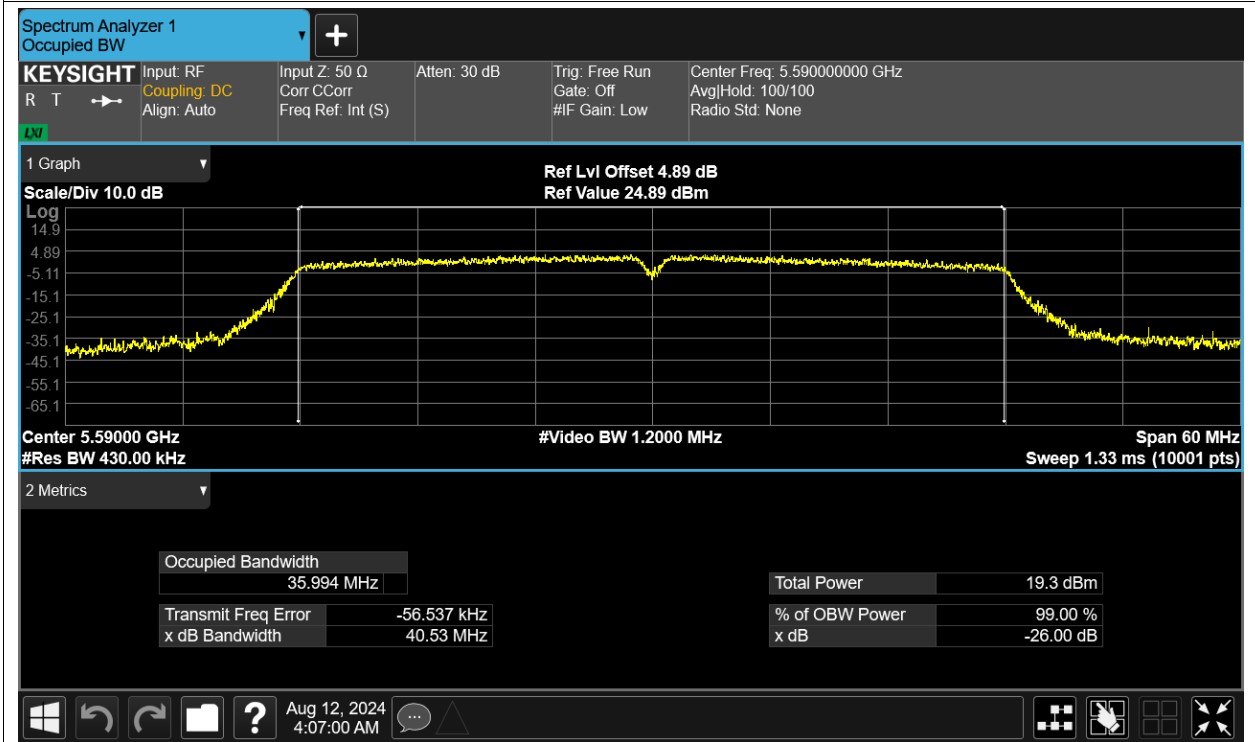
OBW NVNT n20 5700MHz Ant1



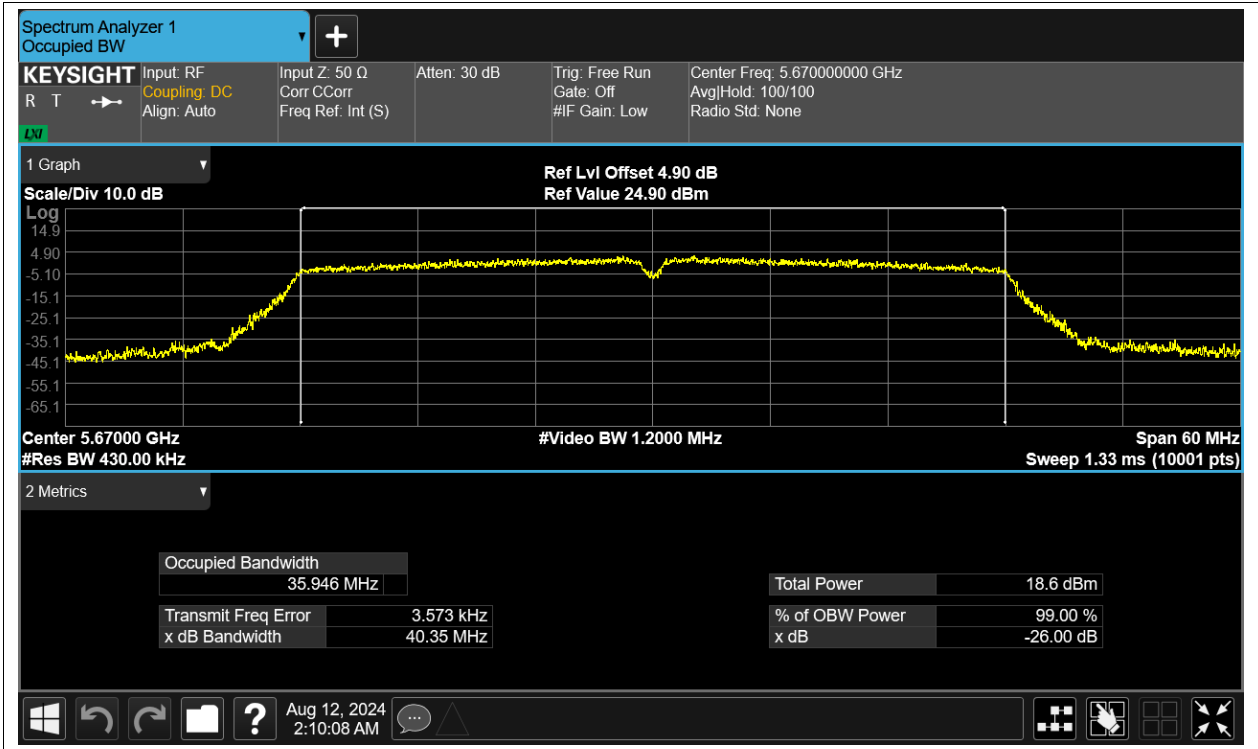
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1

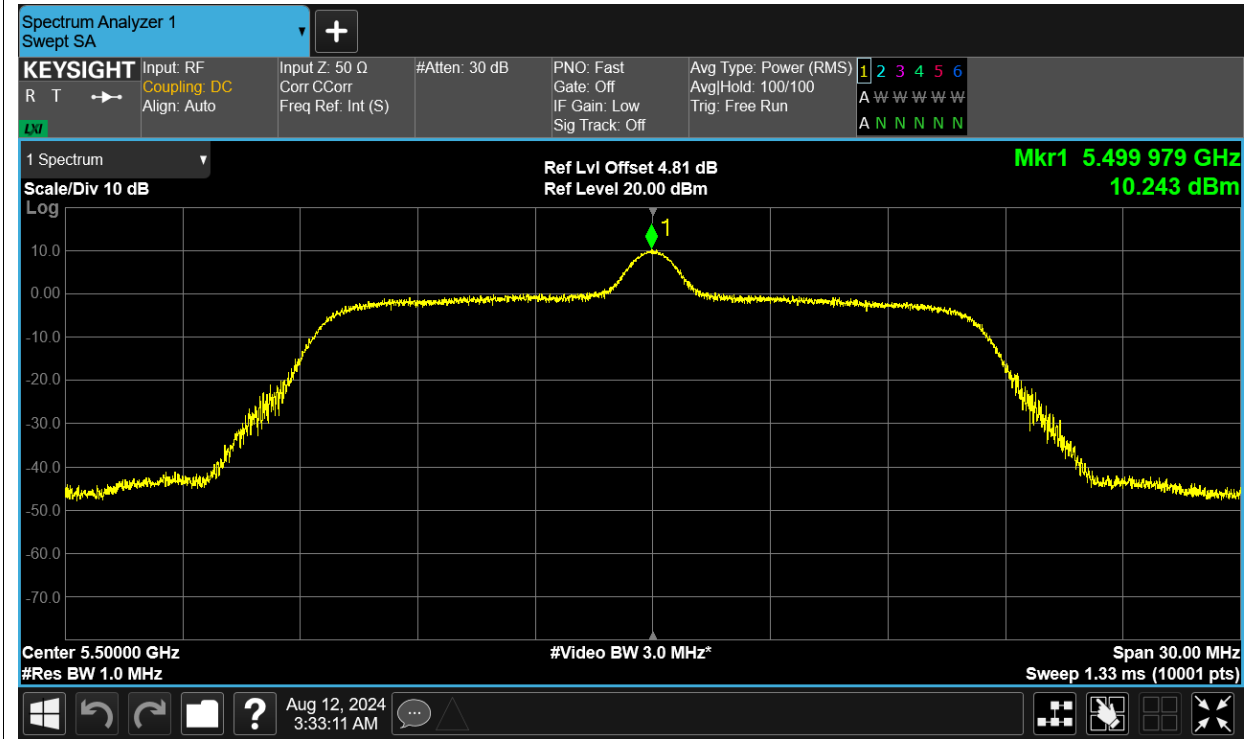


Maximum Power Spectral Density Level

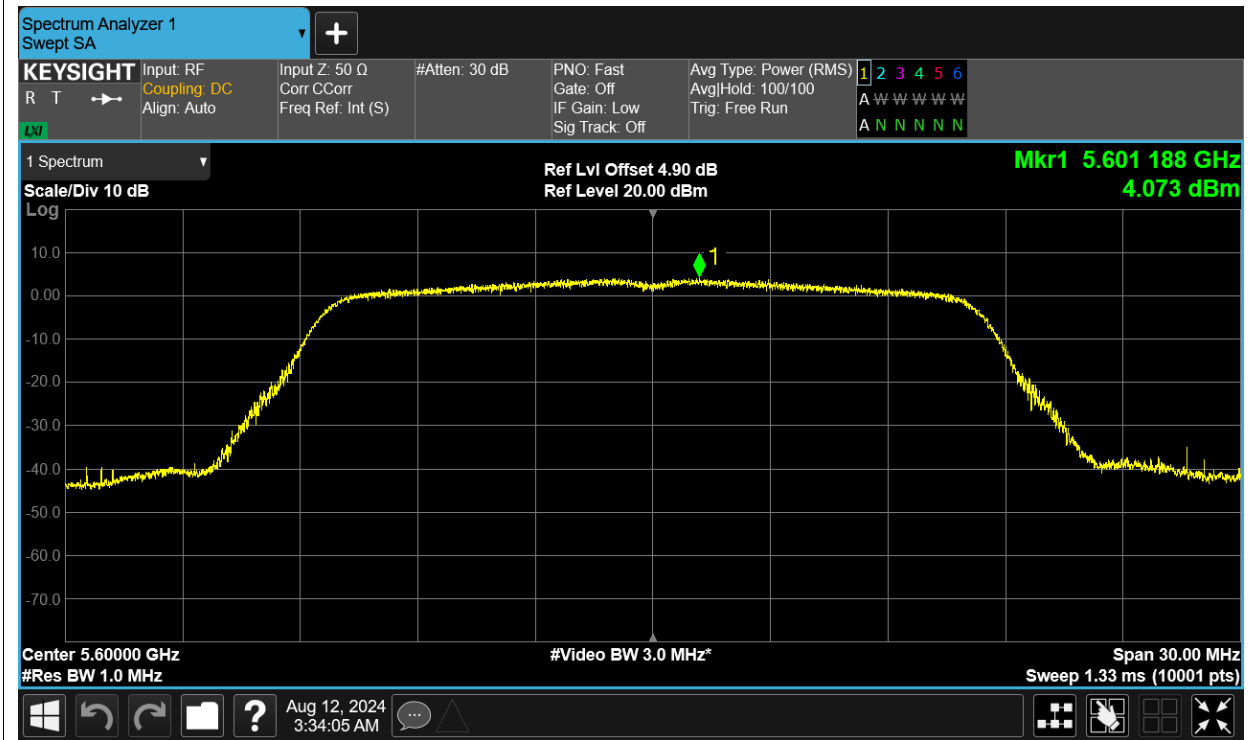
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	10.243	11	Pass
NVNT	a	5600	Ant1	4.073	11	Pass
NVNT	a	5700	Ant1	4.676	11	Pass
NVNT	ac20	5500	Ant1	9.705	11	Pass
NVNT	ac20	5600	Ant1	4.977	11	Pass
NVNT	ac20	5700	Ant1	4.482	11	Pass
NVNT	ac40	5510	Ant1	9.322	11	Pass
NVNT	ac40	5590	Ant1	0.189	11	Pass
NVNT	ac40	5670	Ant1	0.193	11	Pass
NVNT	ac80	5530	Ant1	9.166	11	Pass
NVNT	ac80	5610	Ant1	-4.391	11	Pass
NVNT	n20	5500	Ant1	9.874	11	Pass
NVNT	n20	5600	Ant1	4.019	11	Pass
NVNT	n20	5700	Ant1	4.401	11	Pass
NVNT	n40	5510	Ant1	9.281	11	Pass
NVNT	n40	5590	Ant1	0.596	11	Pass
NVNT	n40	5670	Ant1	0.493	11	Pass

Test Graphs

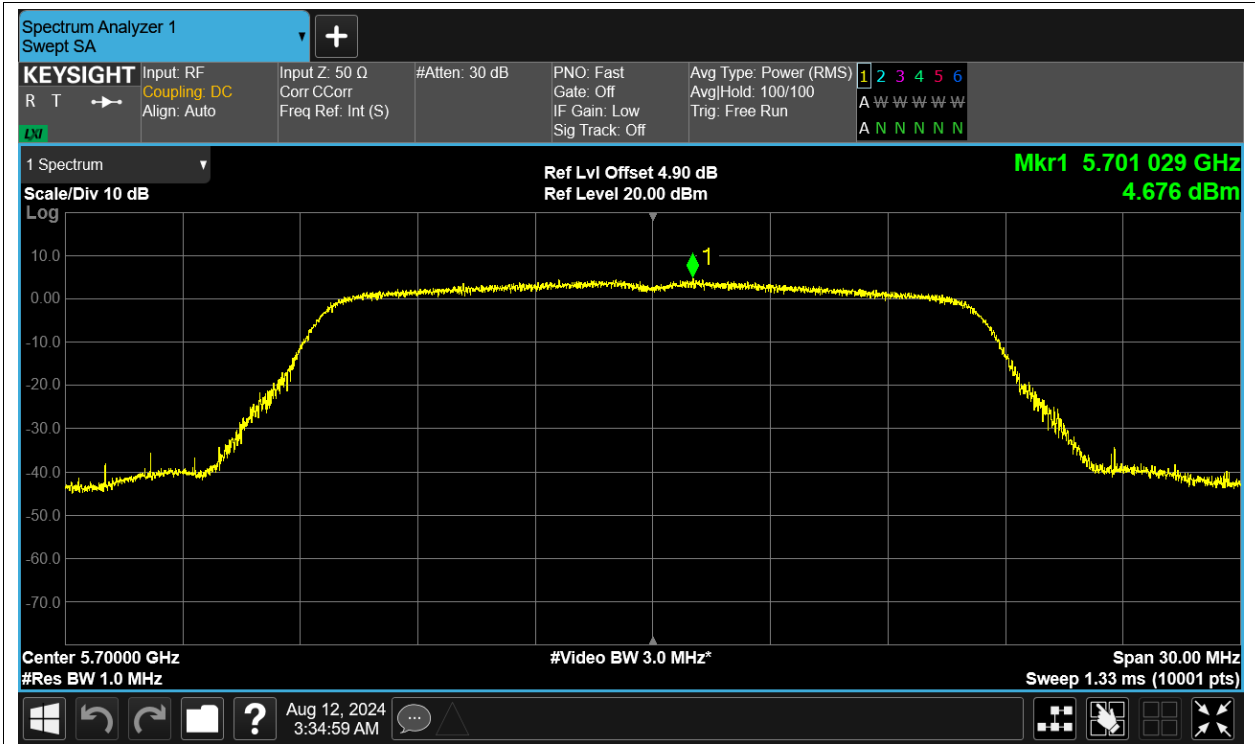
PSD NVNT a 5500MHz Ant1



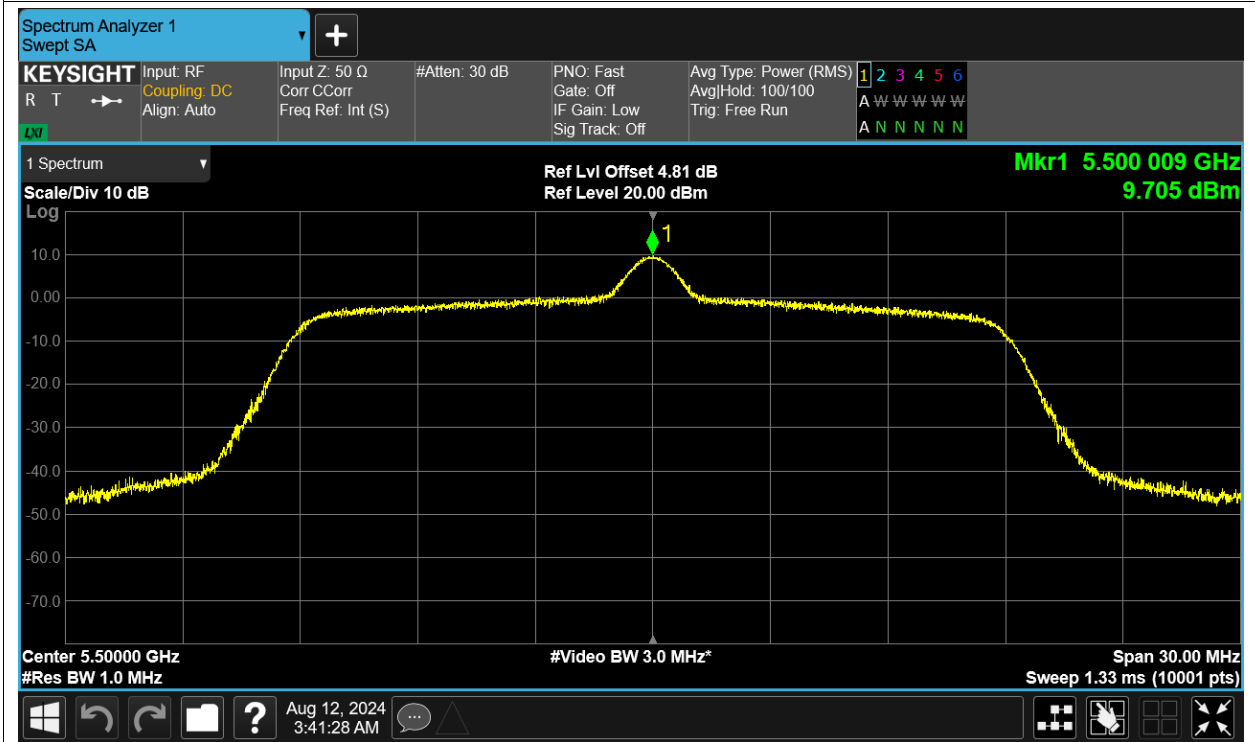
PSD NVNT a 5600MHz Ant1



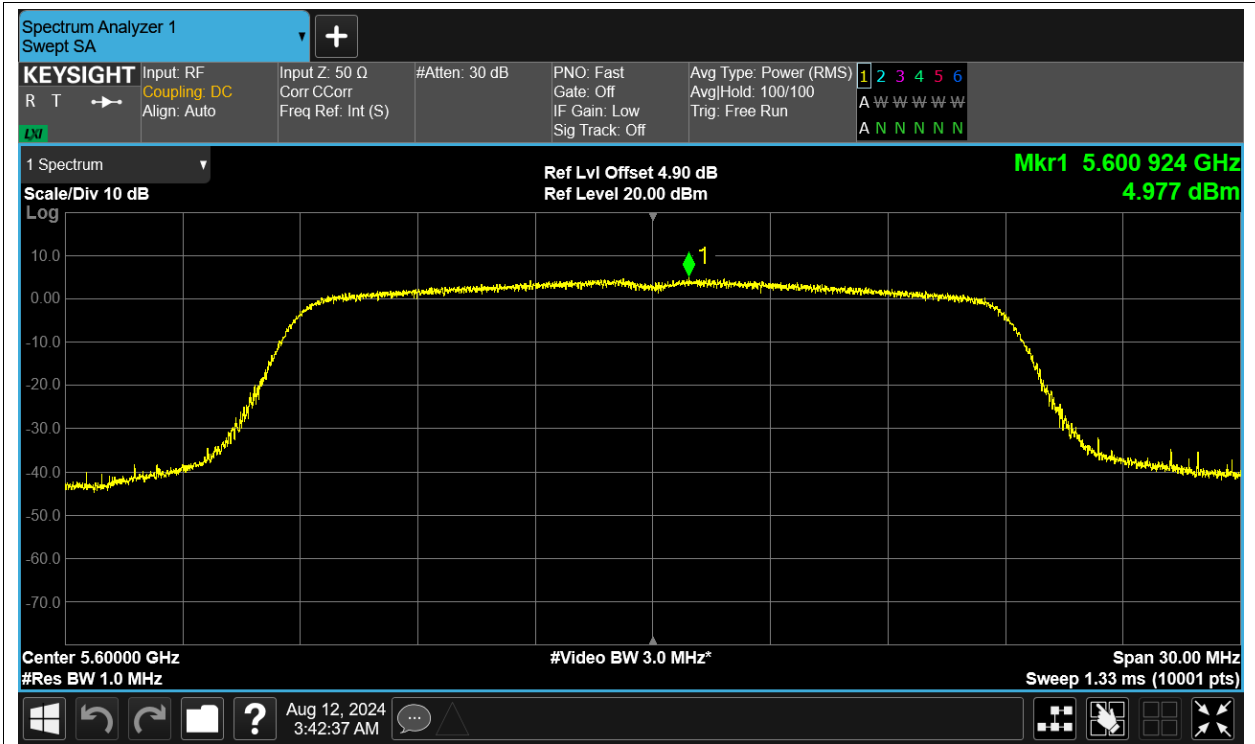
PSD NVNT a 5700MHz Ant1



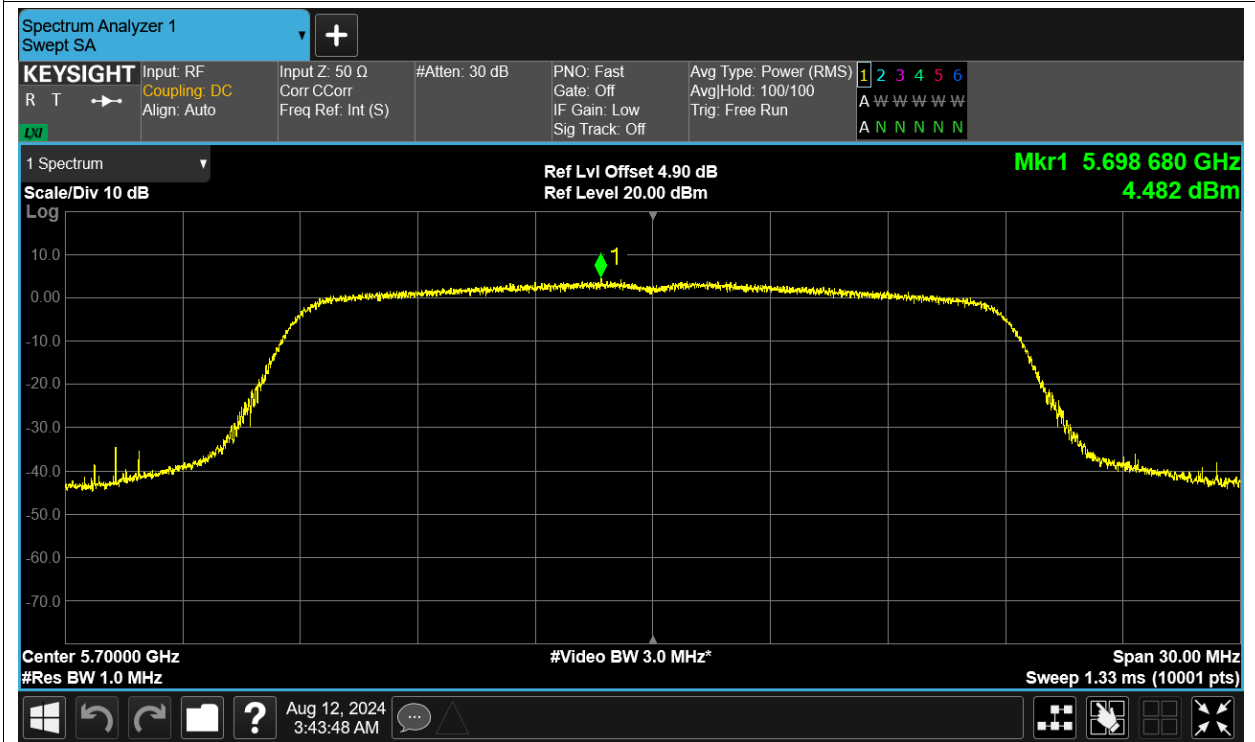
PSD NVNT ac20 5500MHz Ant1



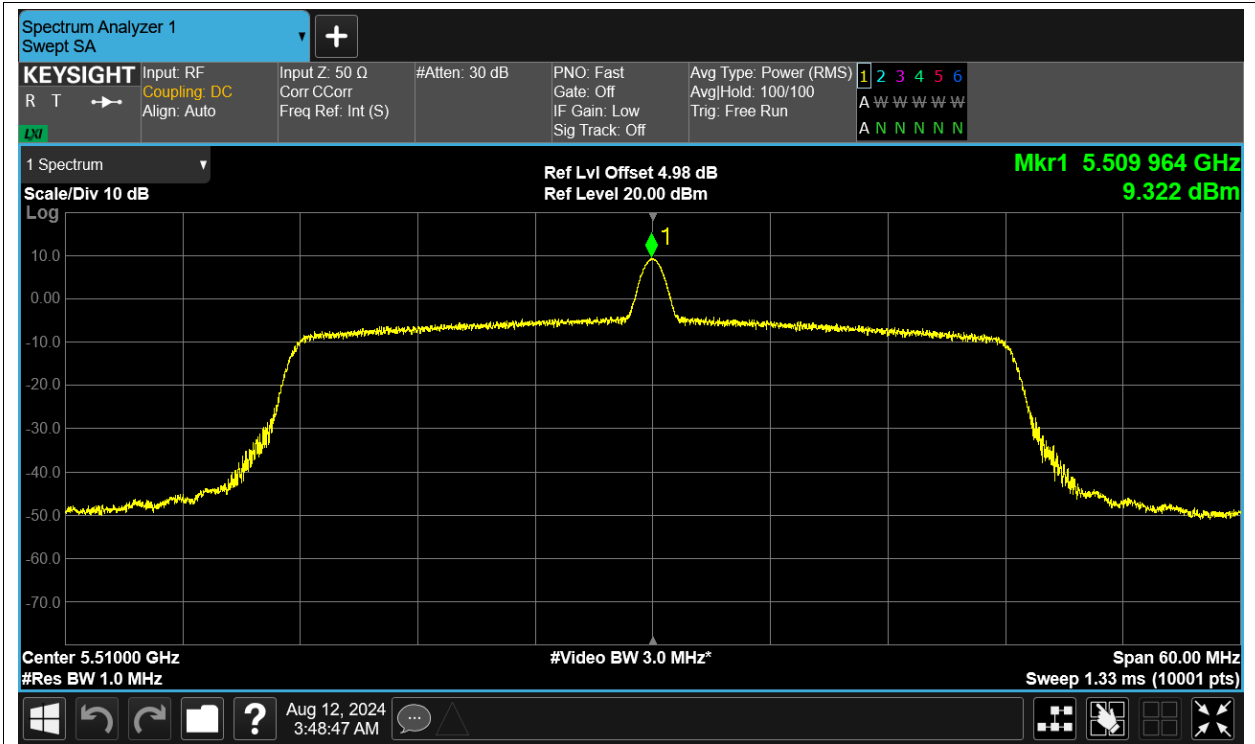
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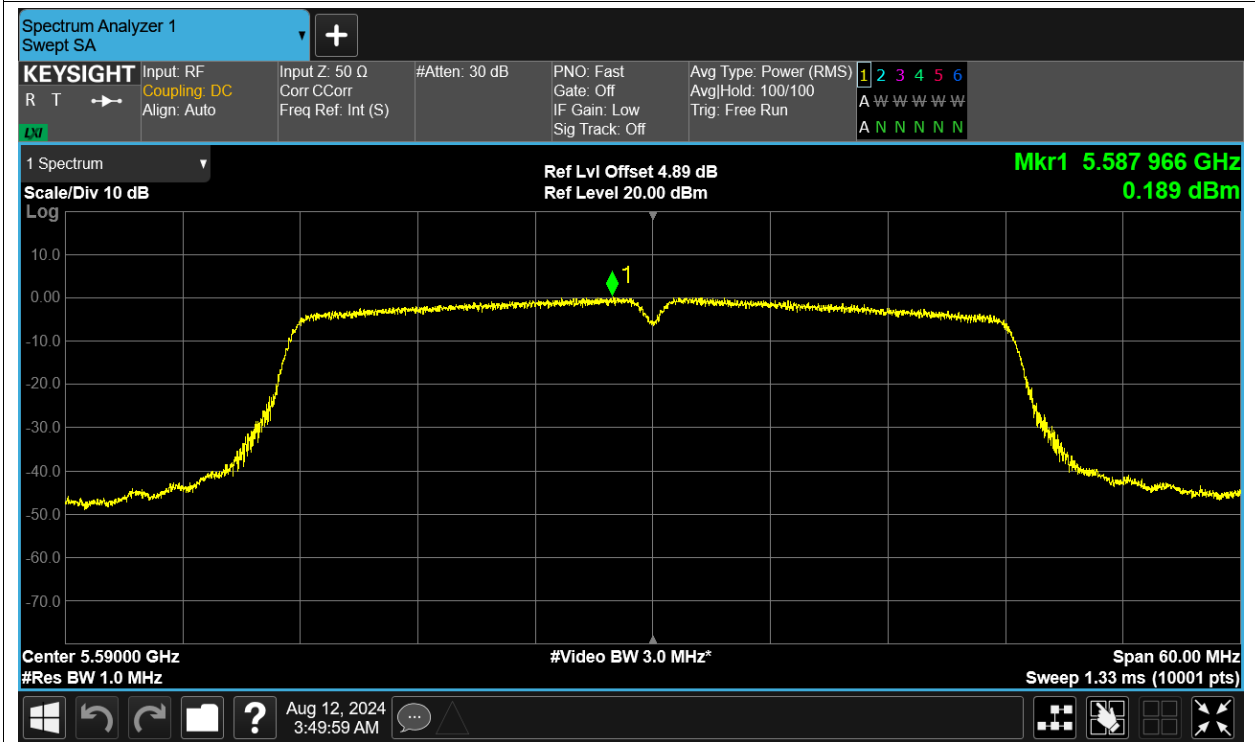
PSD NVNT ac20 5700MHz Ant1



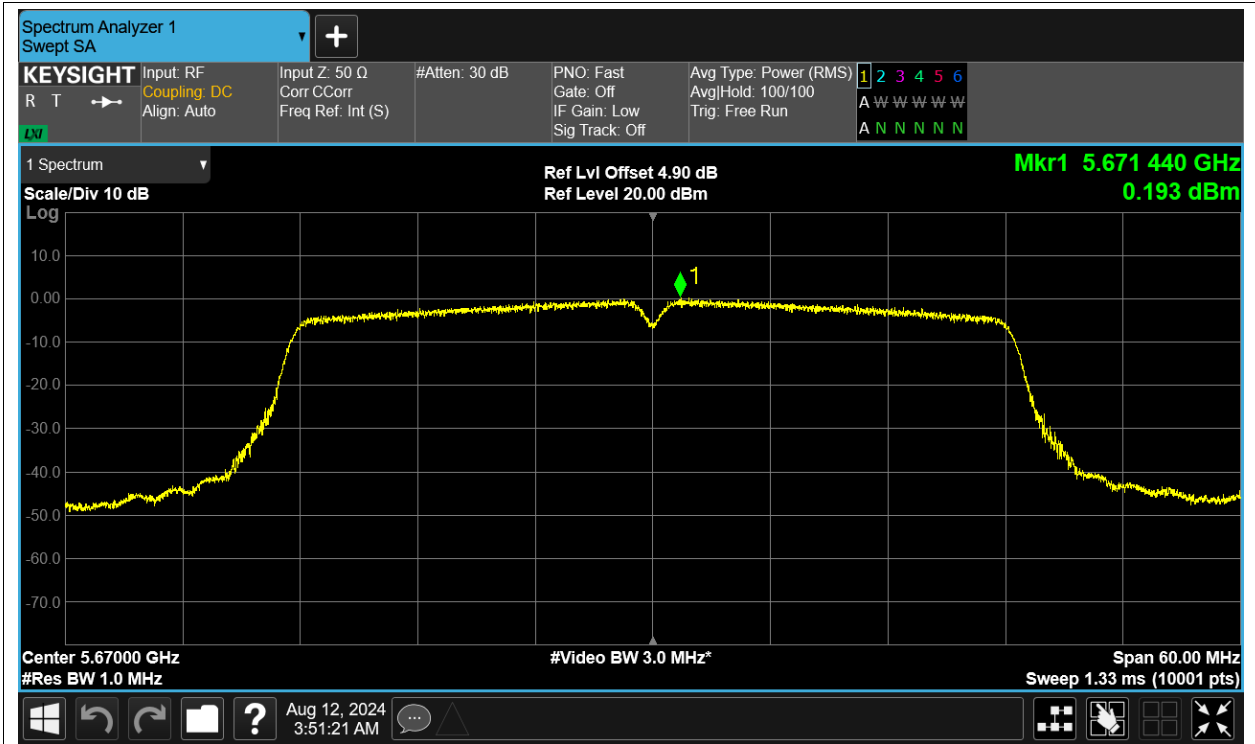
PSD NVNT ac40 5510MHz Ant1



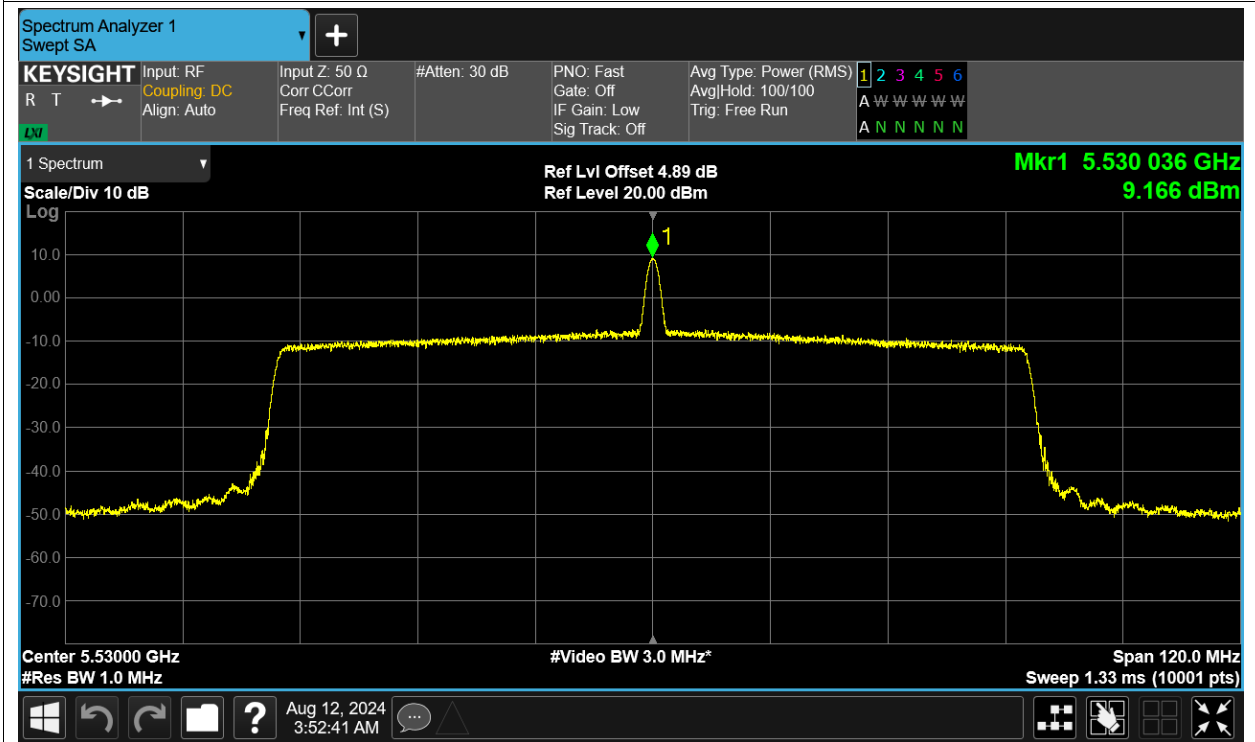
PSD NVNT ac40 5590MHz Ant1



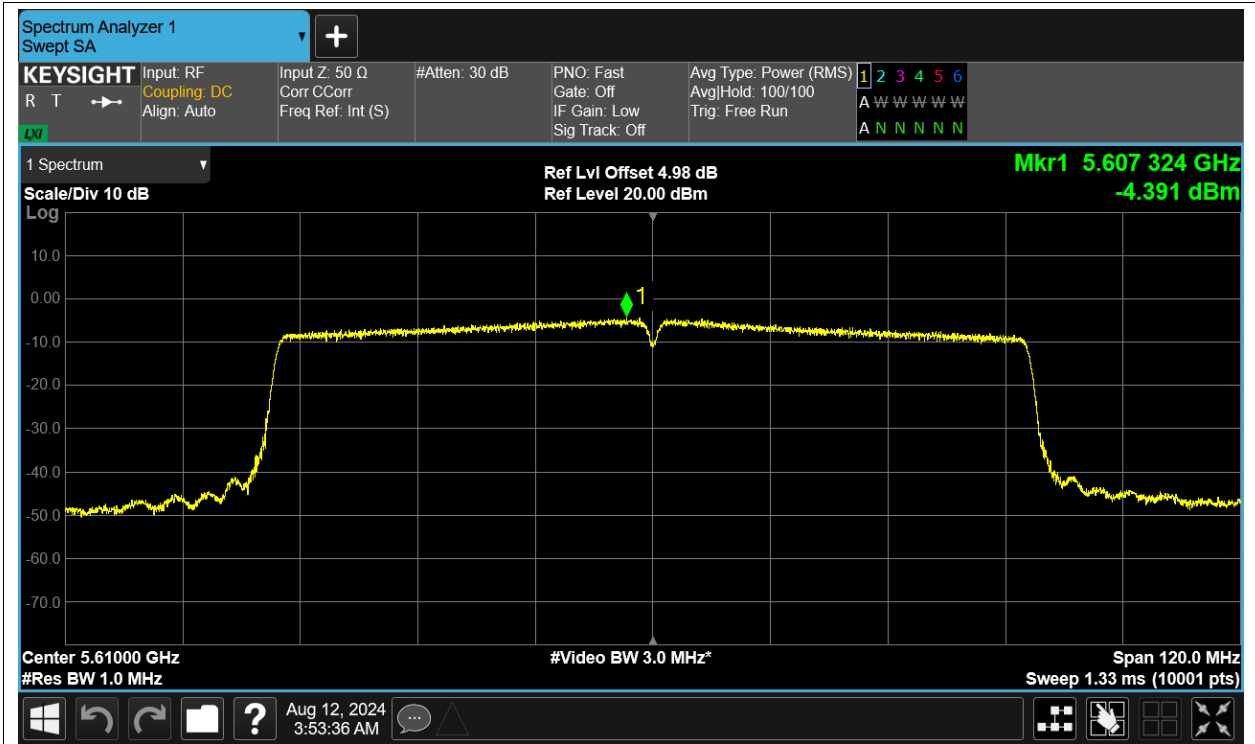
PSD NVNT ac40 5670MHz Ant1



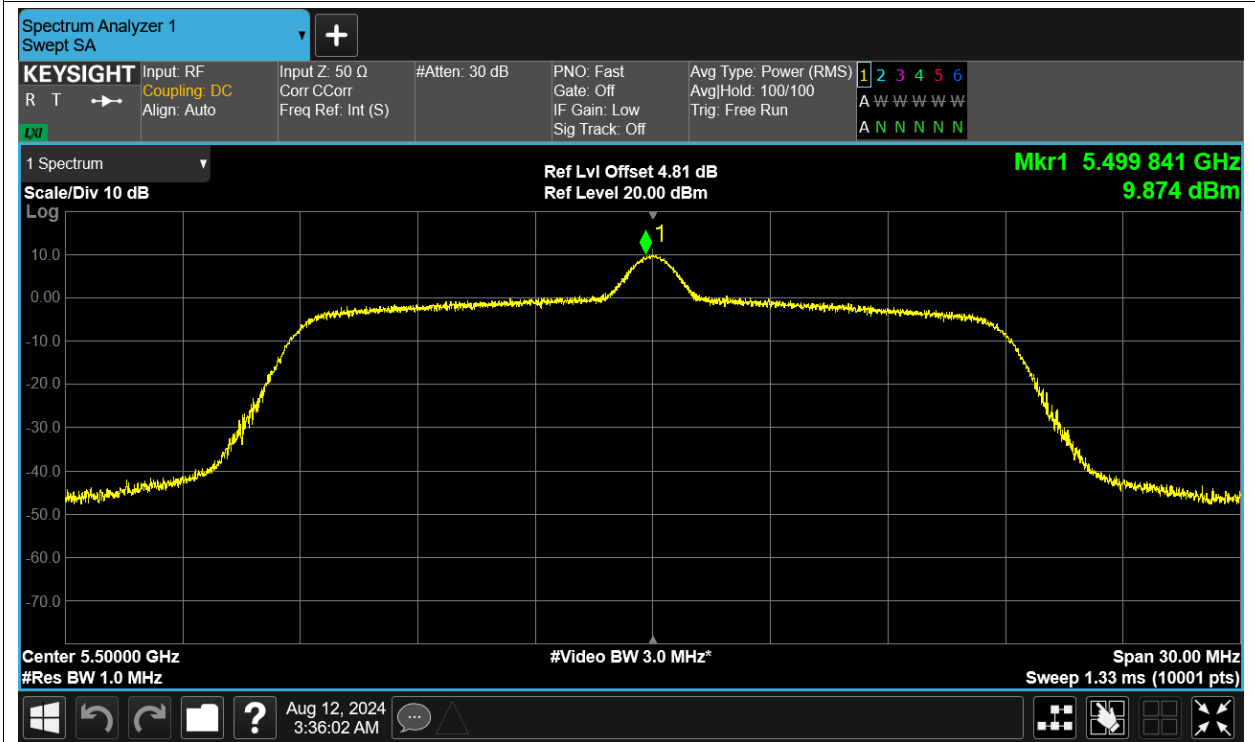
PSD NVNT ac80 5530MHz Ant1



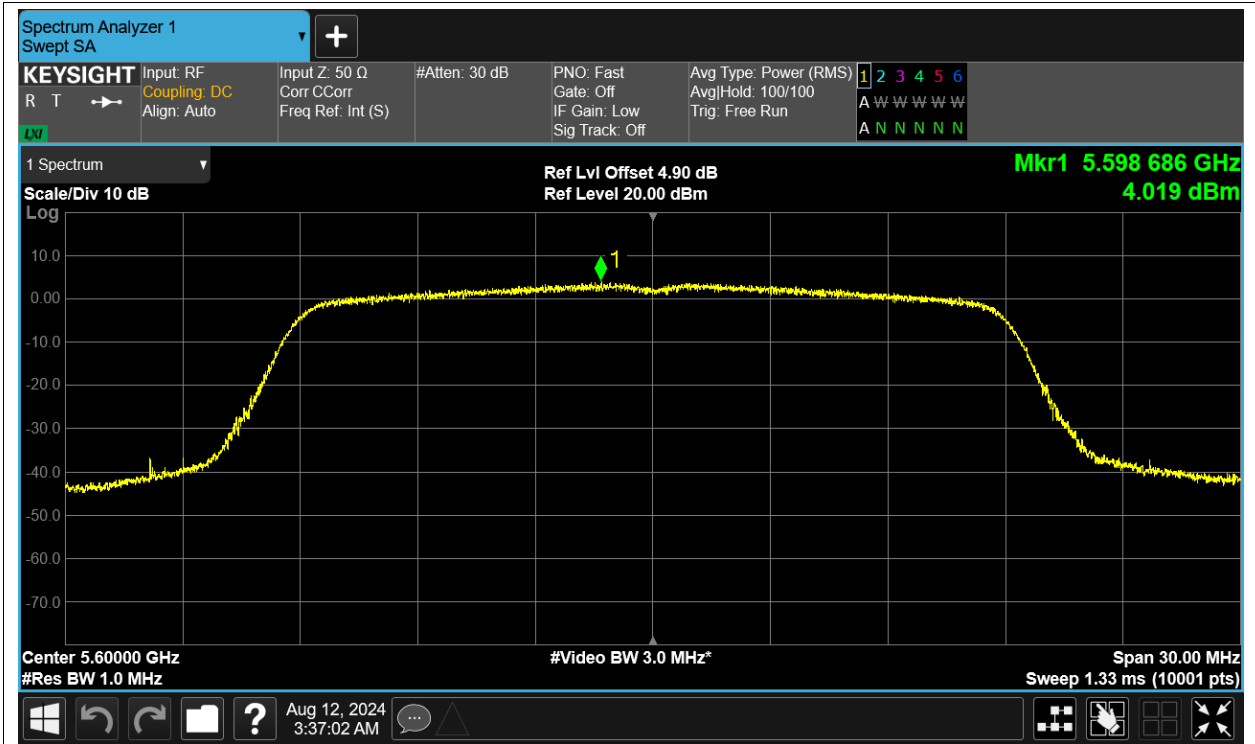
PSD NVNT ac80 5610MHz Ant1



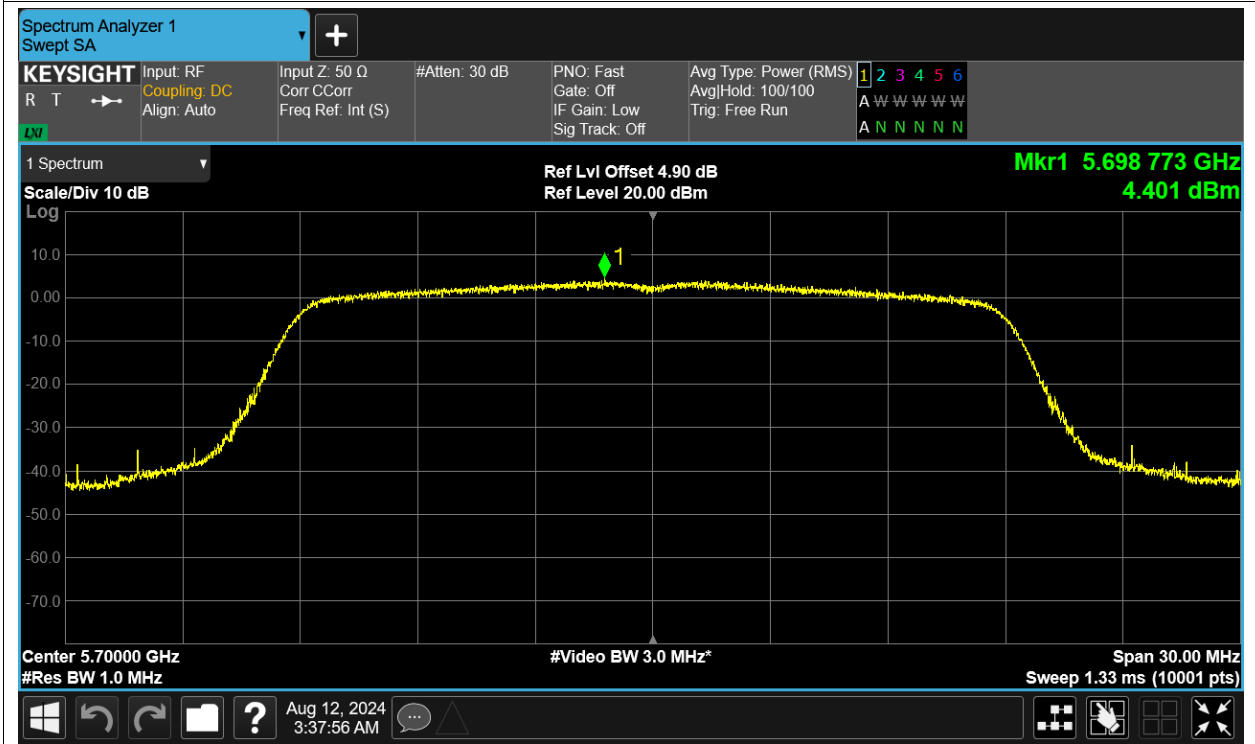
PSD NVNT n20 5500MHz Ant1



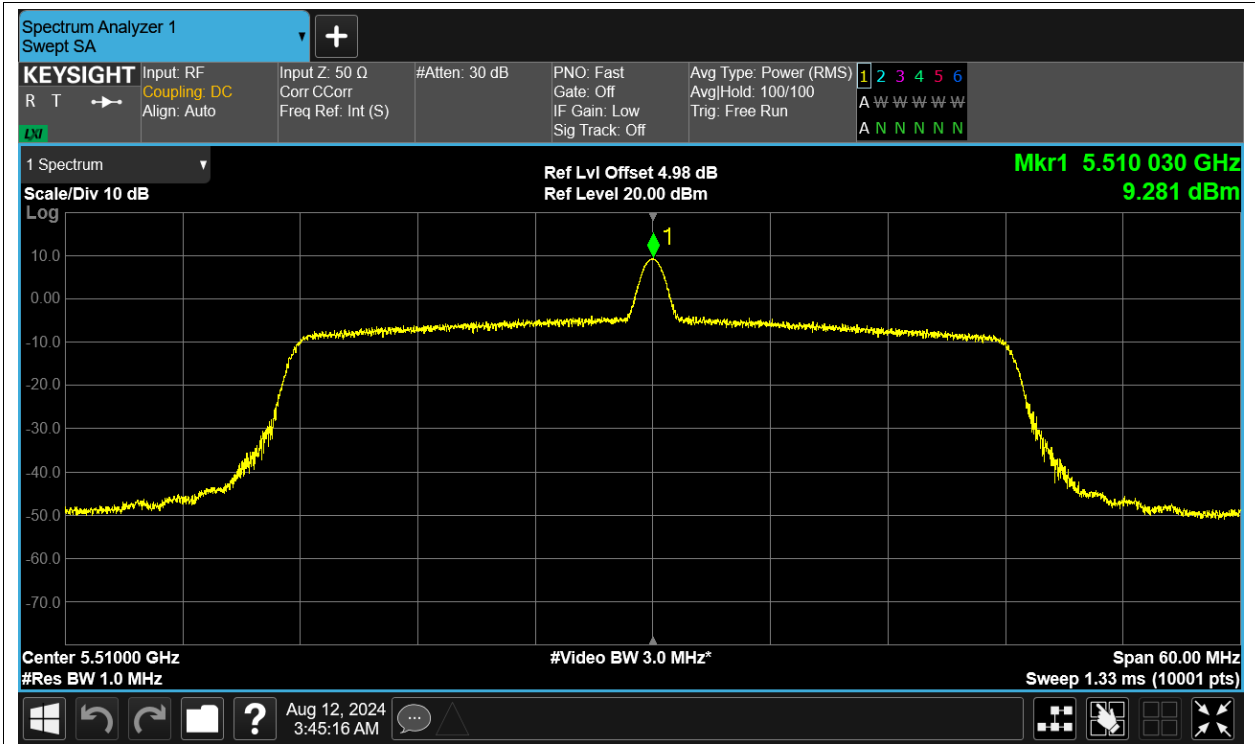
PSD NVNT n20 5600MHz Ant1



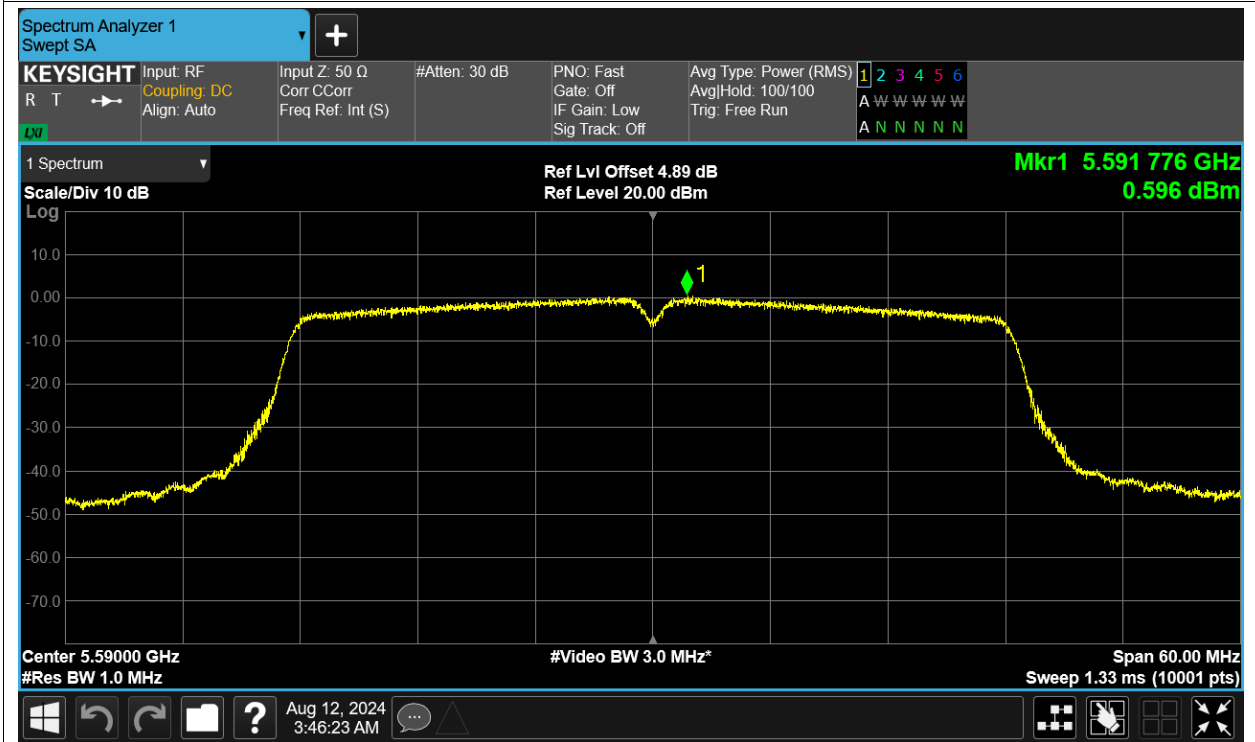
PSD NVNT n20 5700MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5670MHz Ant1

