

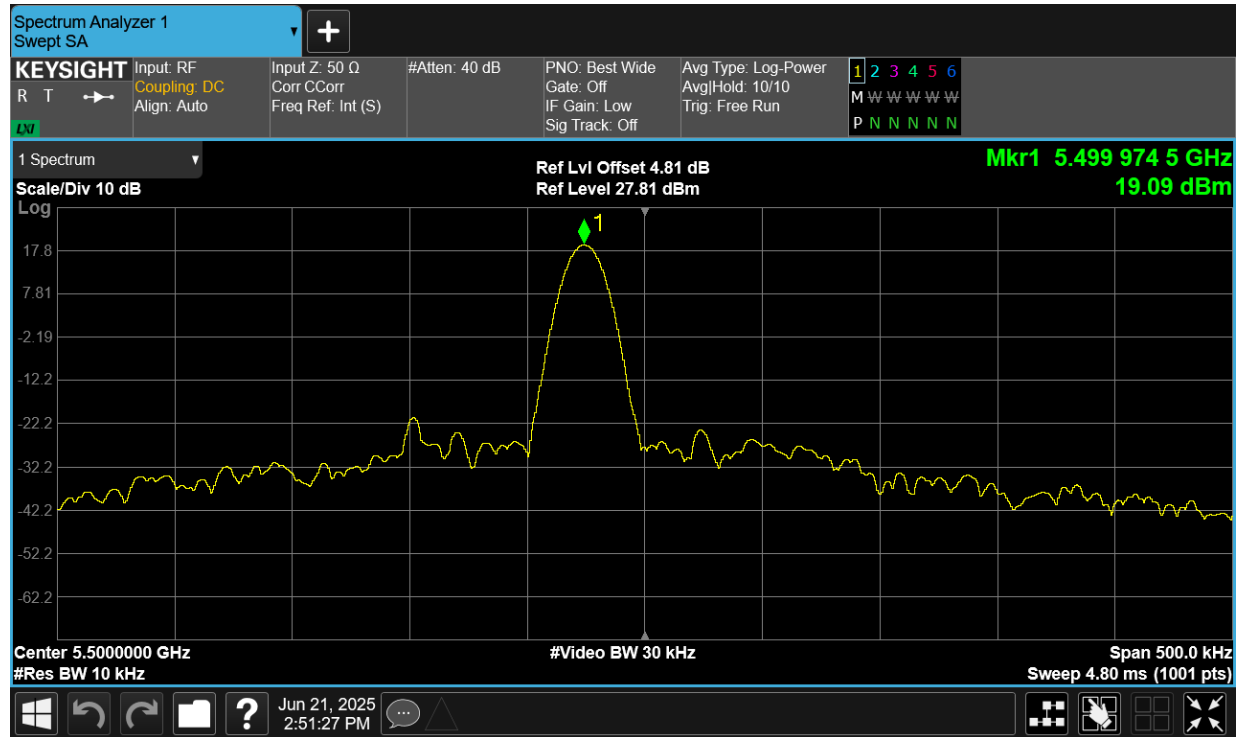
Test Data

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant14	5499.9745	-4.64	Within authorized band	Pass
LVNT	a	5500	Ant14	5499.9745	-4.64		Pass
NVHT	a	5500	Ant14	5499.975	-4.55		Pass
NVLT	a	5500	Ant14	5499.975	-4.55		Pass
NVNT	a	5500	Ant14	5499.976	-4.36		Pass
HVNT	ac80	5530	Ant14	5529.974	-4.7		Pass
LVNT	ac80	5530	Ant14	5529.974	-4.7		Pass
NVHT	ac80	5530	Ant14	5529.974	-4.7		Pass
NVLT	ac80	5530	Ant14	5529.9745	-4.61		Pass
NVNT	ac80	5530	Ant14	5529.975	-4.52		Pass
HVNT	n40	5510	Ant14	5509.974	-4.72		Pass
LVNT	n40	5510	Ant14	5509.974	-4.72		Pass
NVHT	n40	5510	Ant14	5509.9745	-4.63		Pass
NVLT	n40	5510	Ant14	5509.9745	-4.63		Pass
NVNT	n40	5510	Ant14	5509.975	-4.54		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

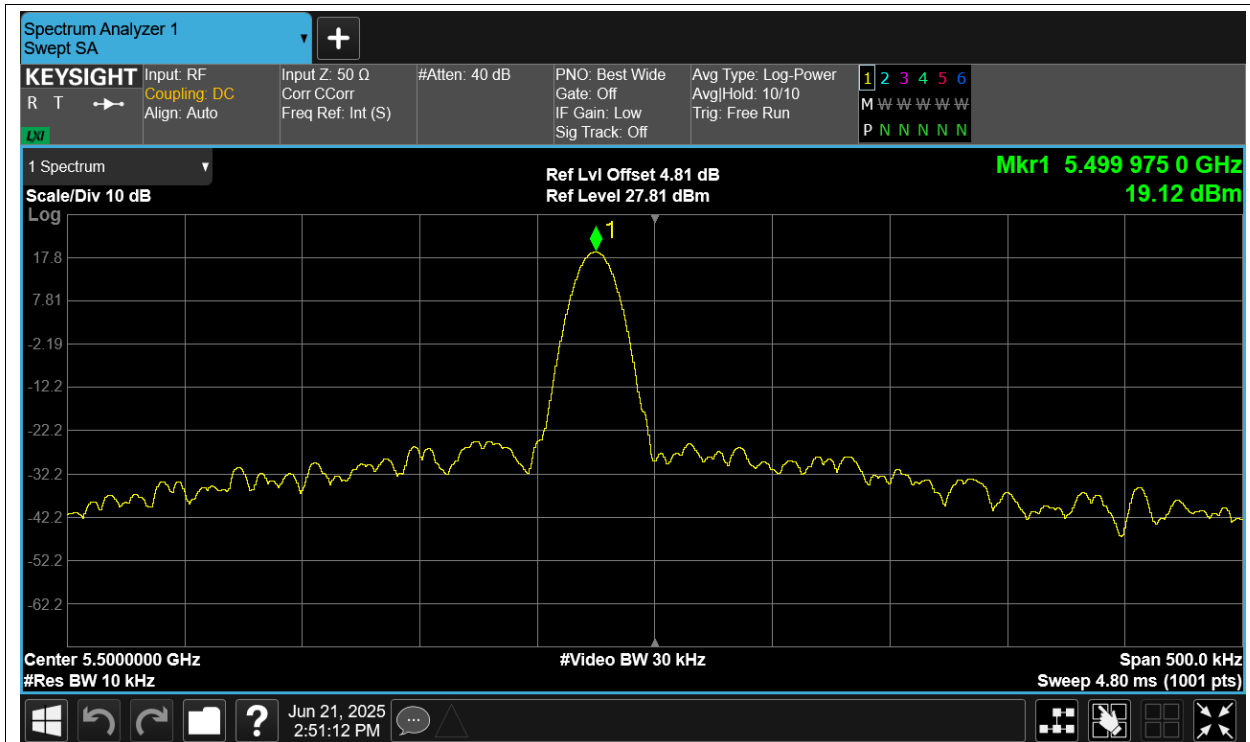
Freq. Stability HVNT a 5500MHz Ant14



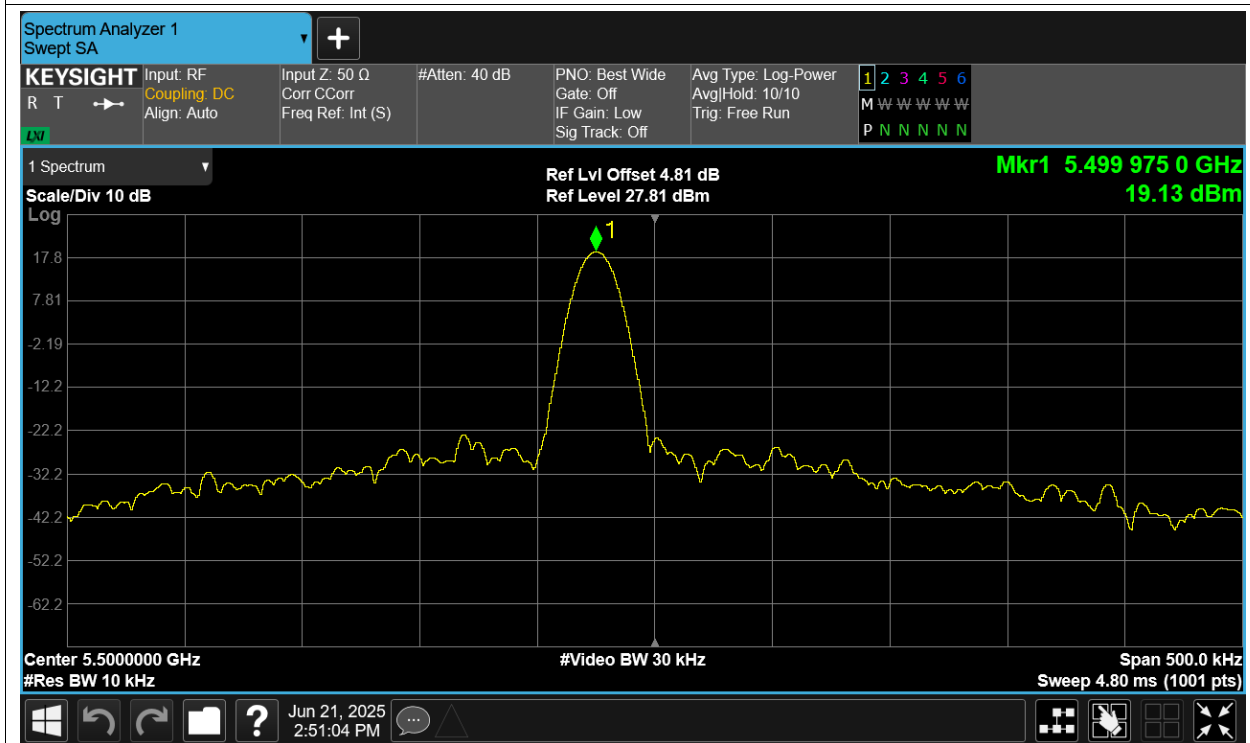
Freq. Stability LVNT a 5500MHz Ant14



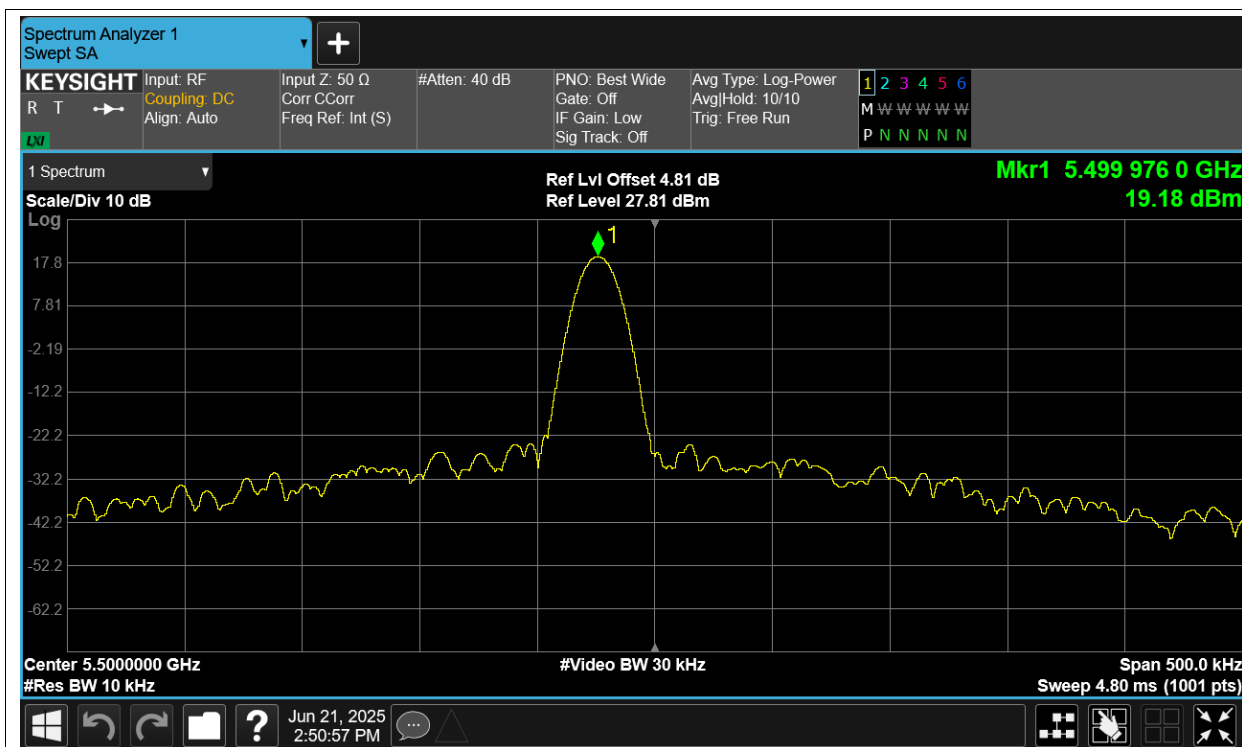
Freq. Stability NVHT a 5500MHz Ant14



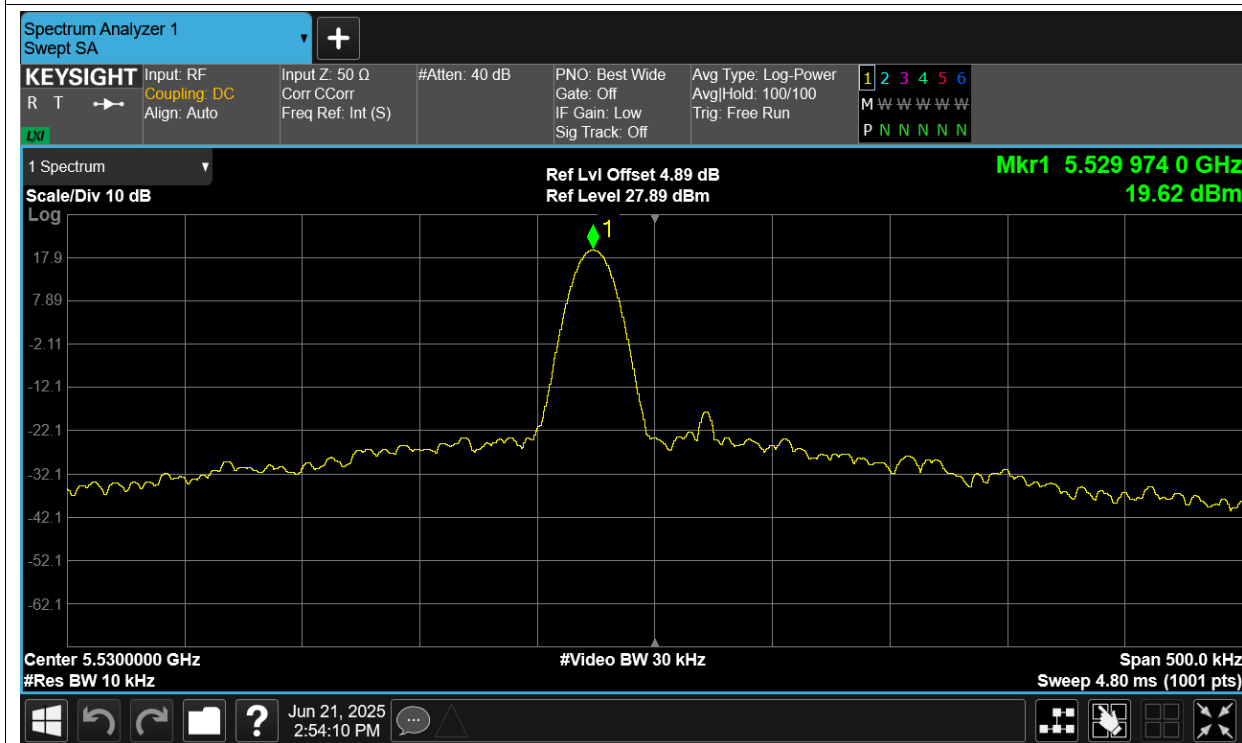
Freq. Stability NVLT a 5500MHz Ant14



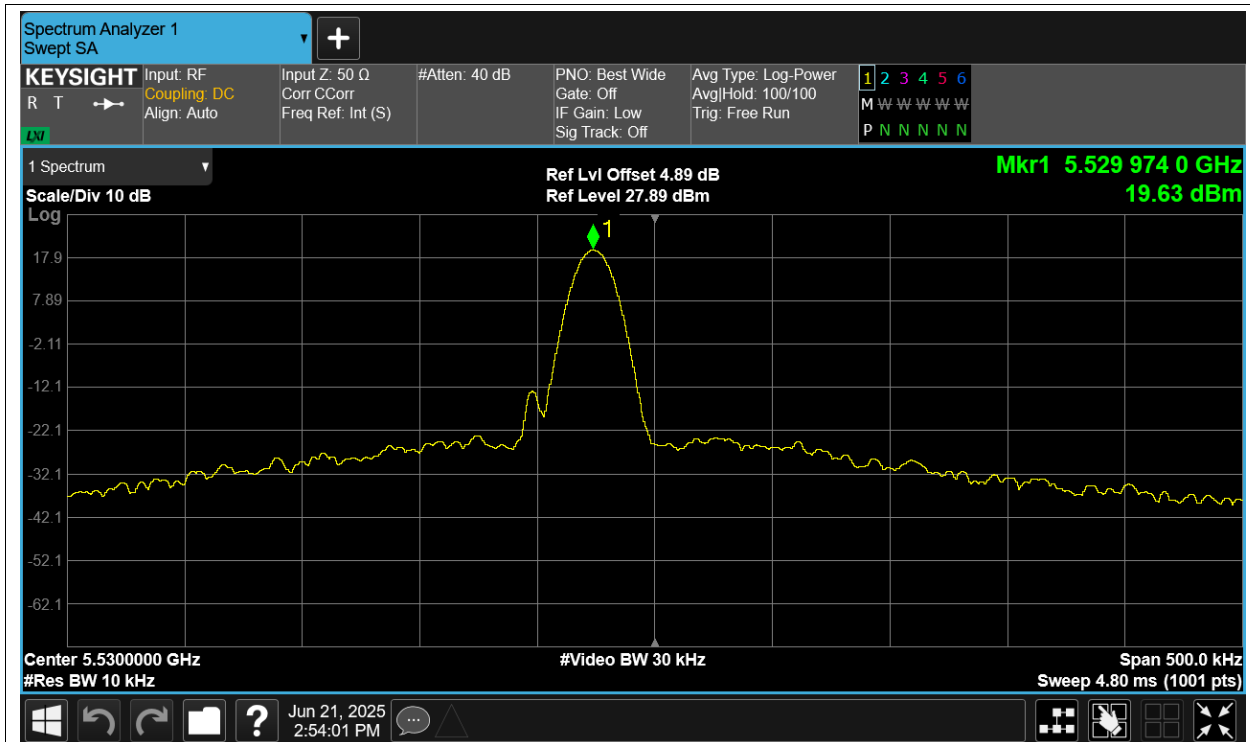
Freq. Stability NVNT a 5500MHz Ant14



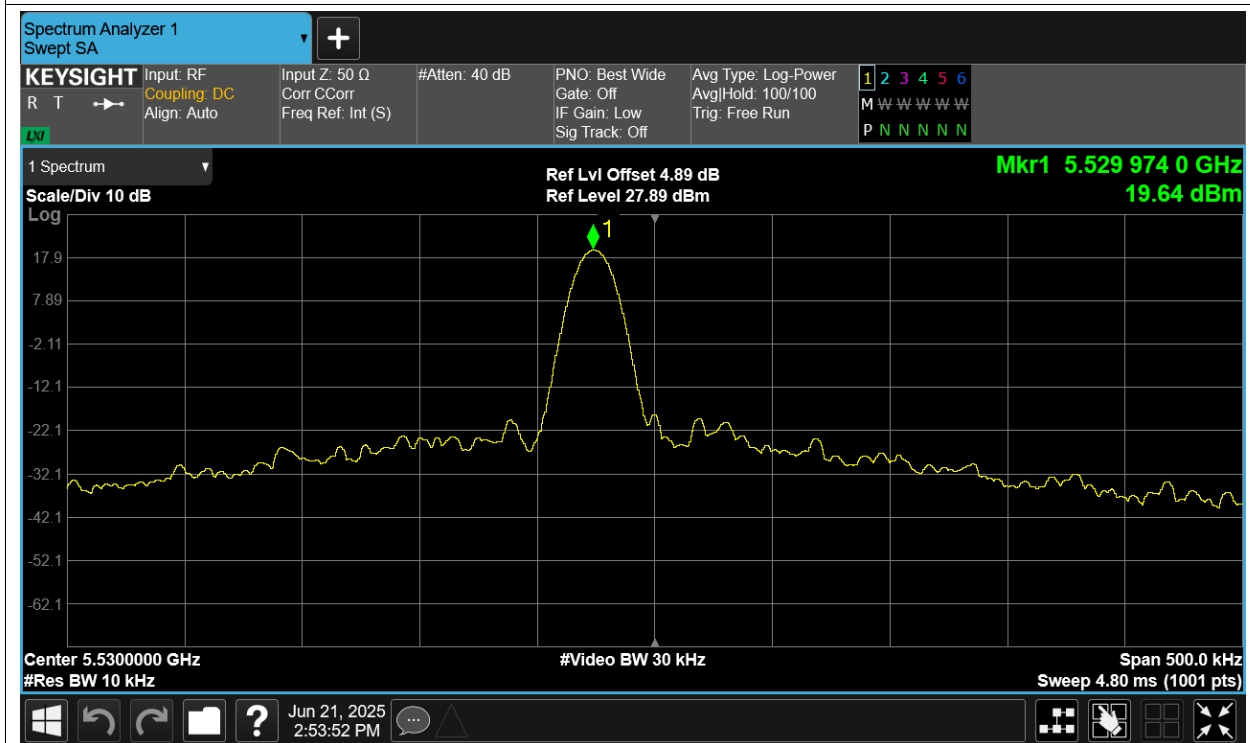
Freq. Stability HVNT ac80 5530MHz Ant14



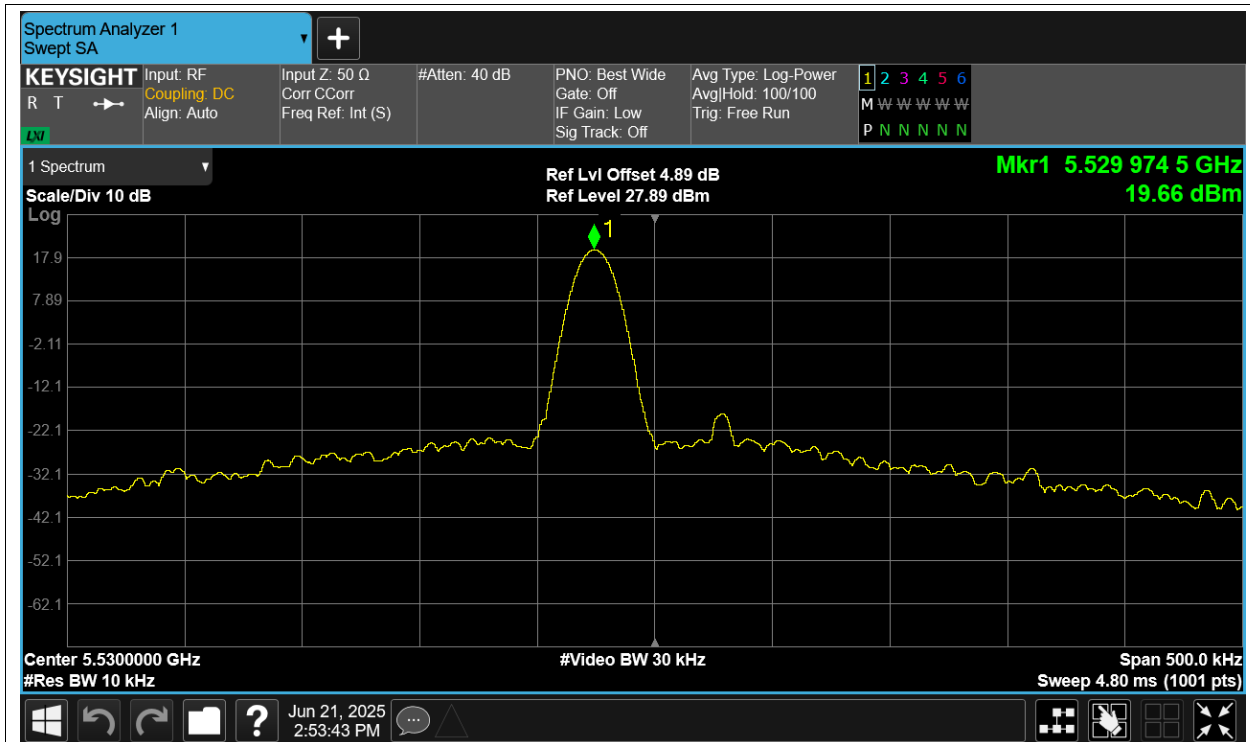
Freq. Stability LVNT ac80 5530MHz Ant14



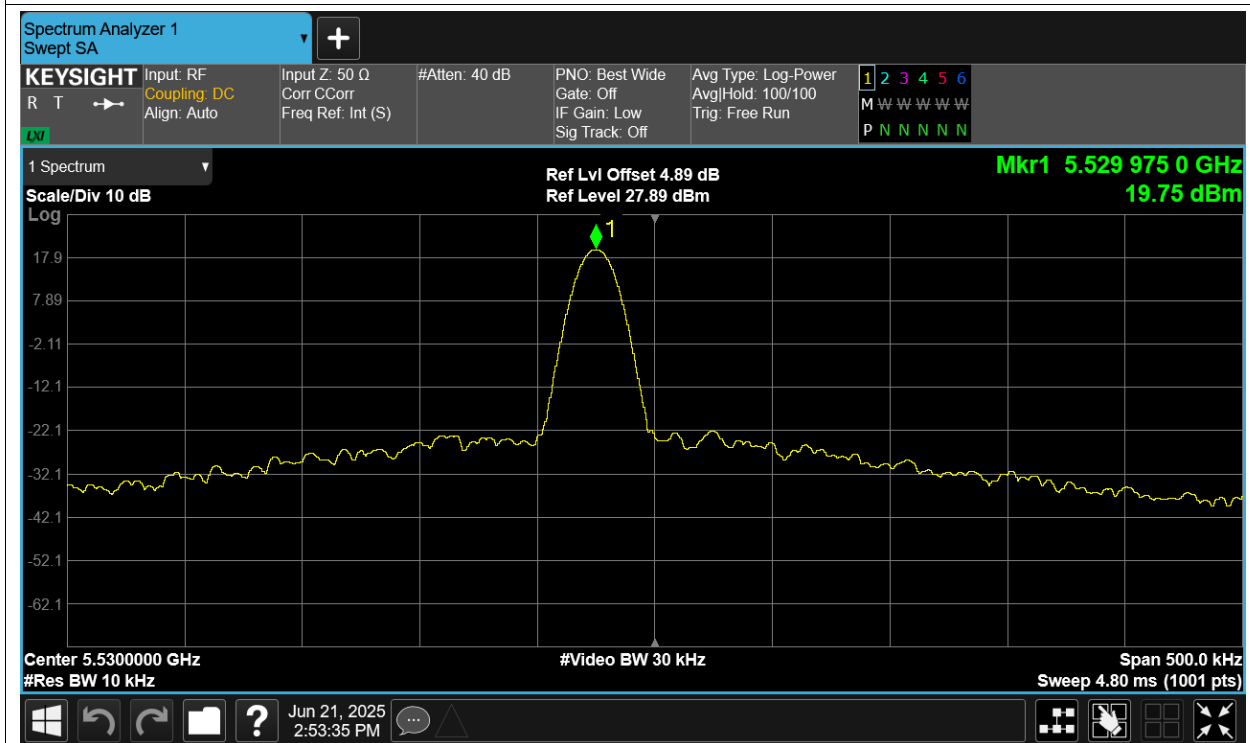
Freq. Stability NVHT ac80 5530MHz Ant14



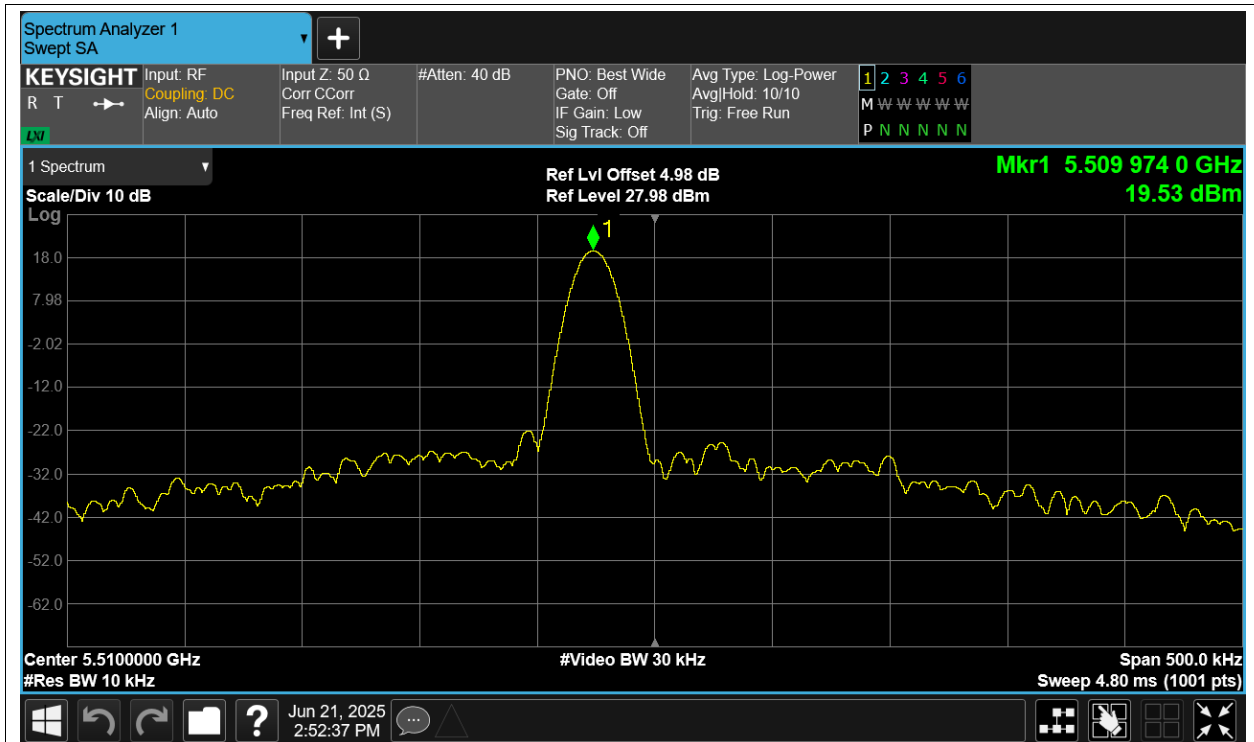
Freq. Stability NVLT ac80 5530MHz Ant14



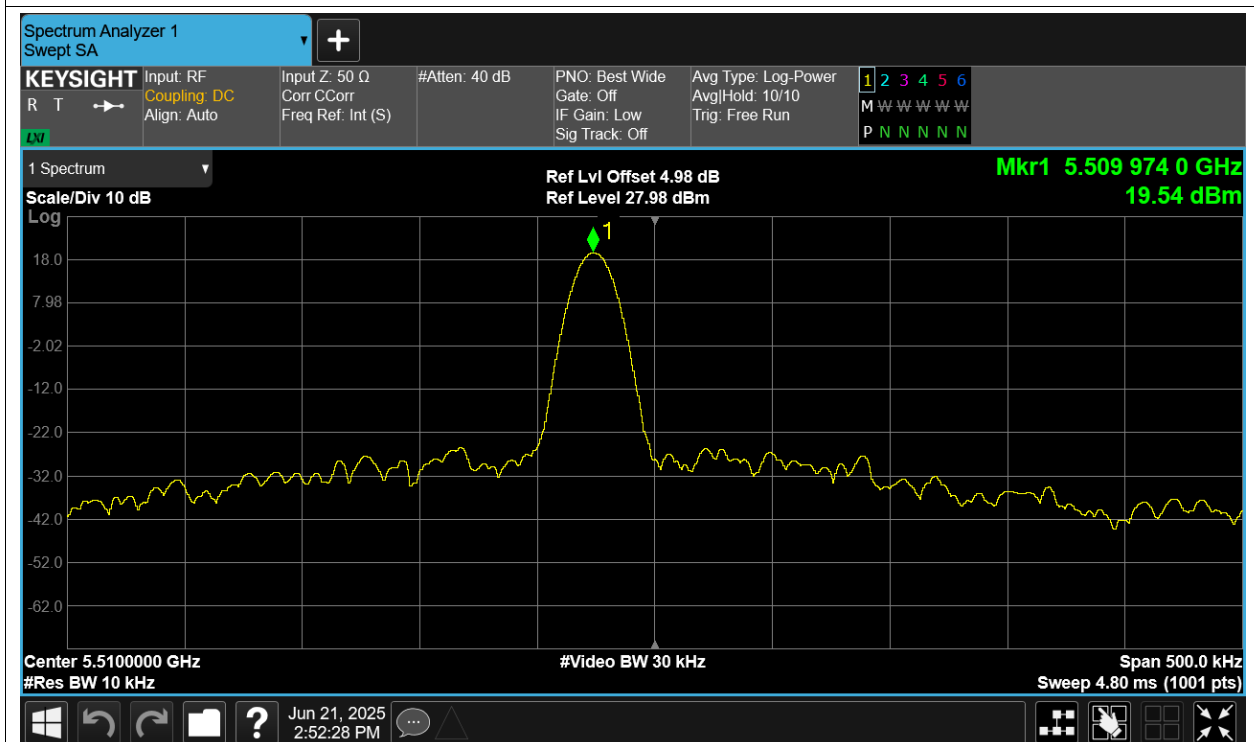
Freq. Stability NVNT ac80 5530MHz Ant14



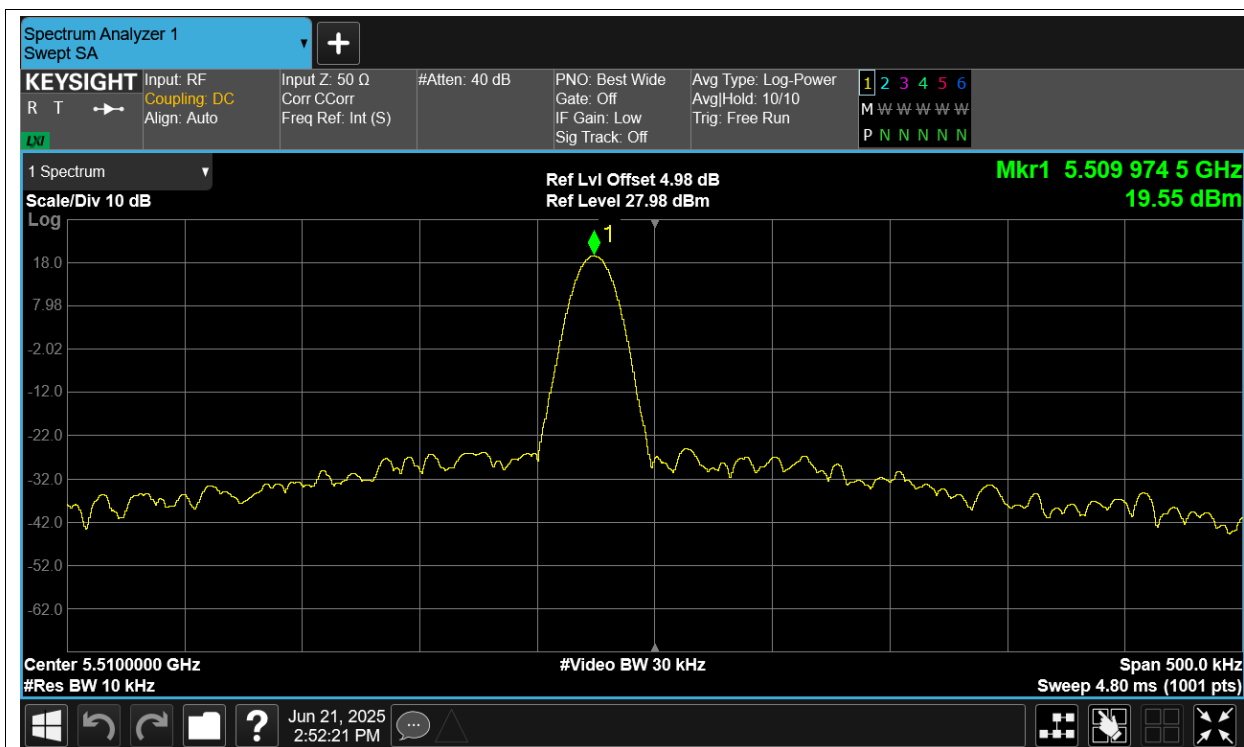
Freq. Stability HVNT n40 5510MHz Ant14



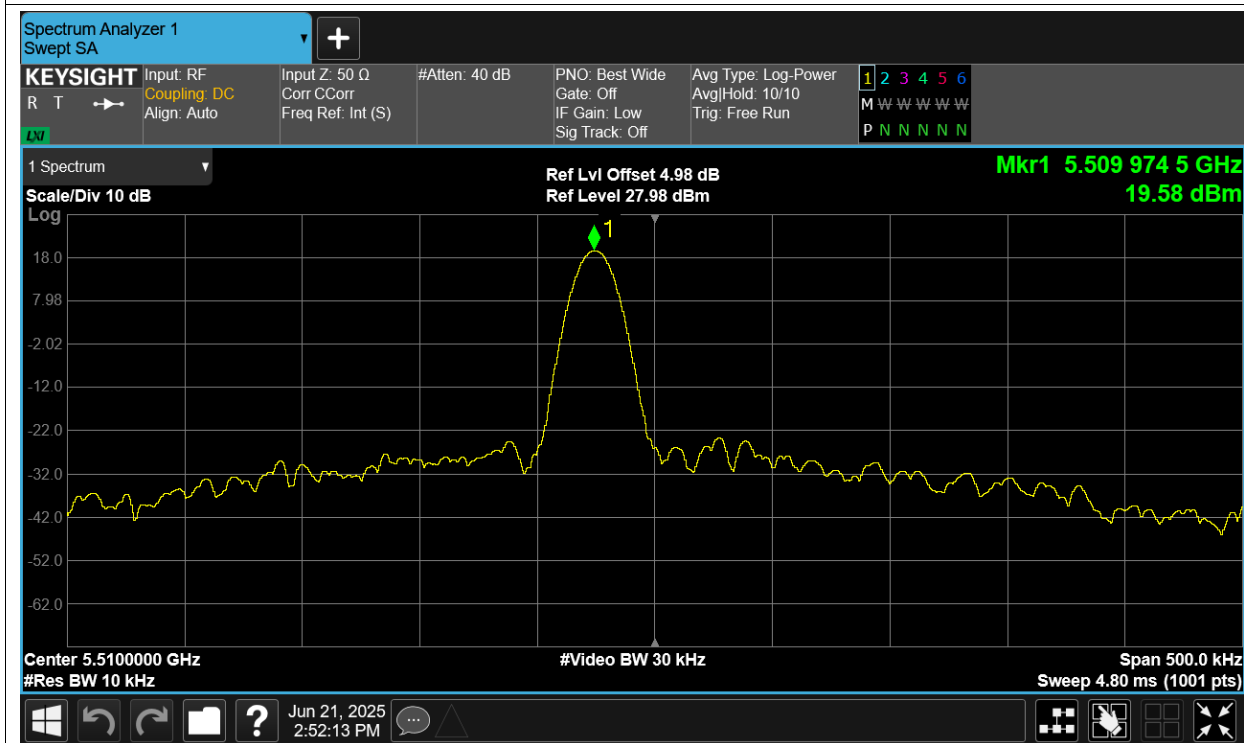
Freq. Stability LVNT n40 5510MHz Ant14



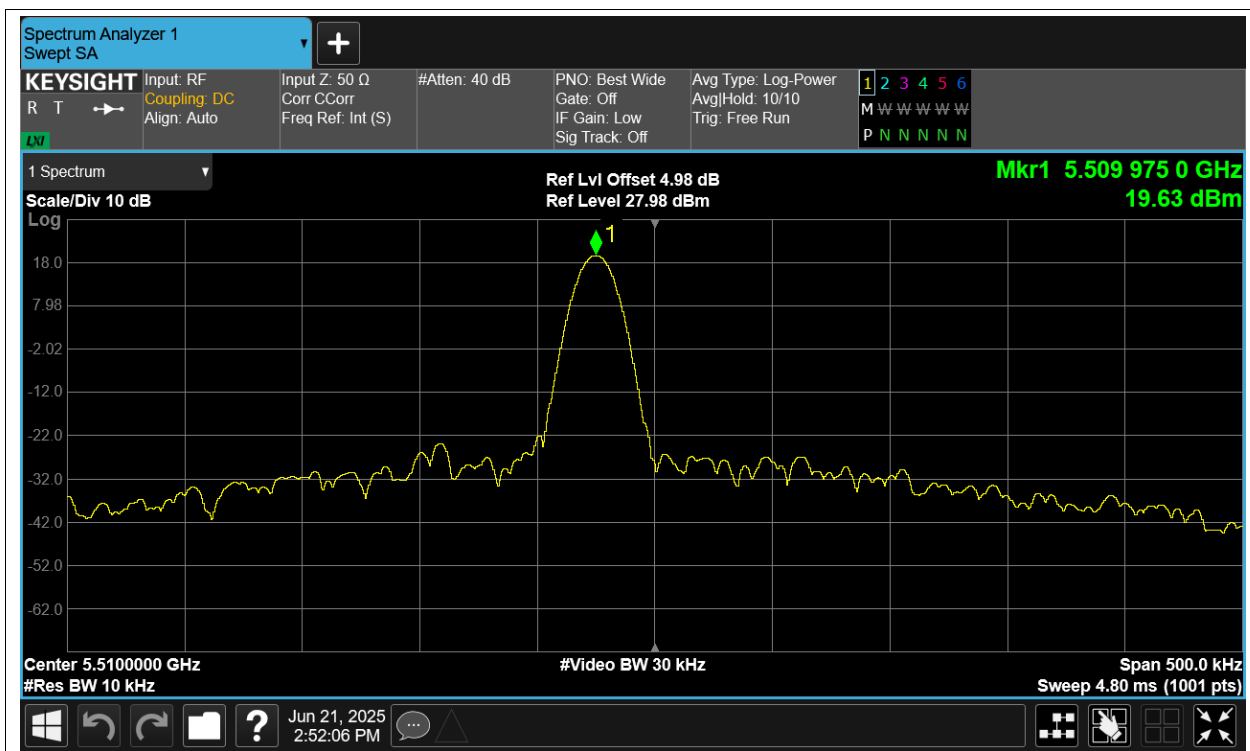
Freq. Stability NVHT n40 5510MHz Ant14



Freq. Stability NVLT n40 5510MHz Ant14

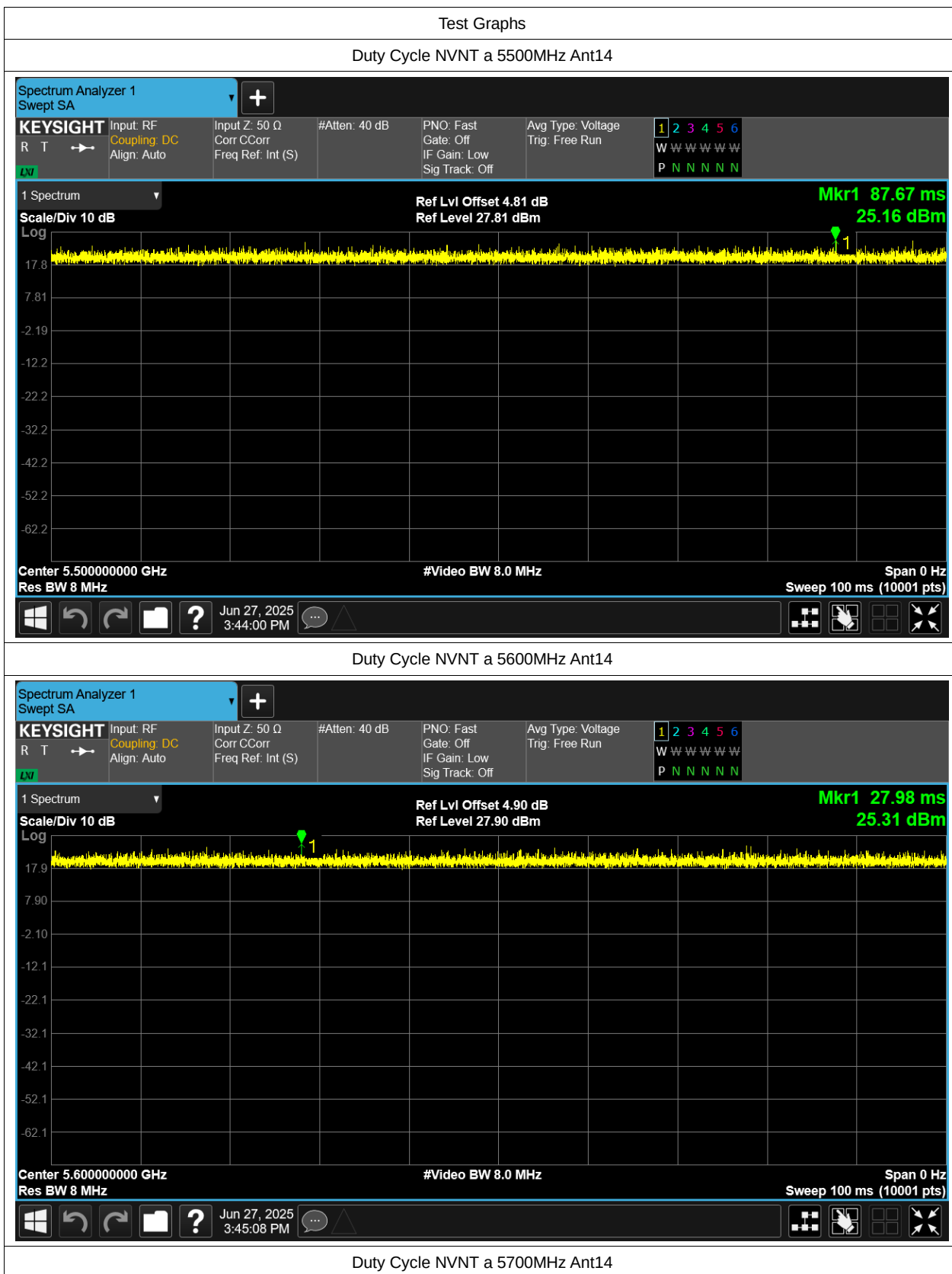


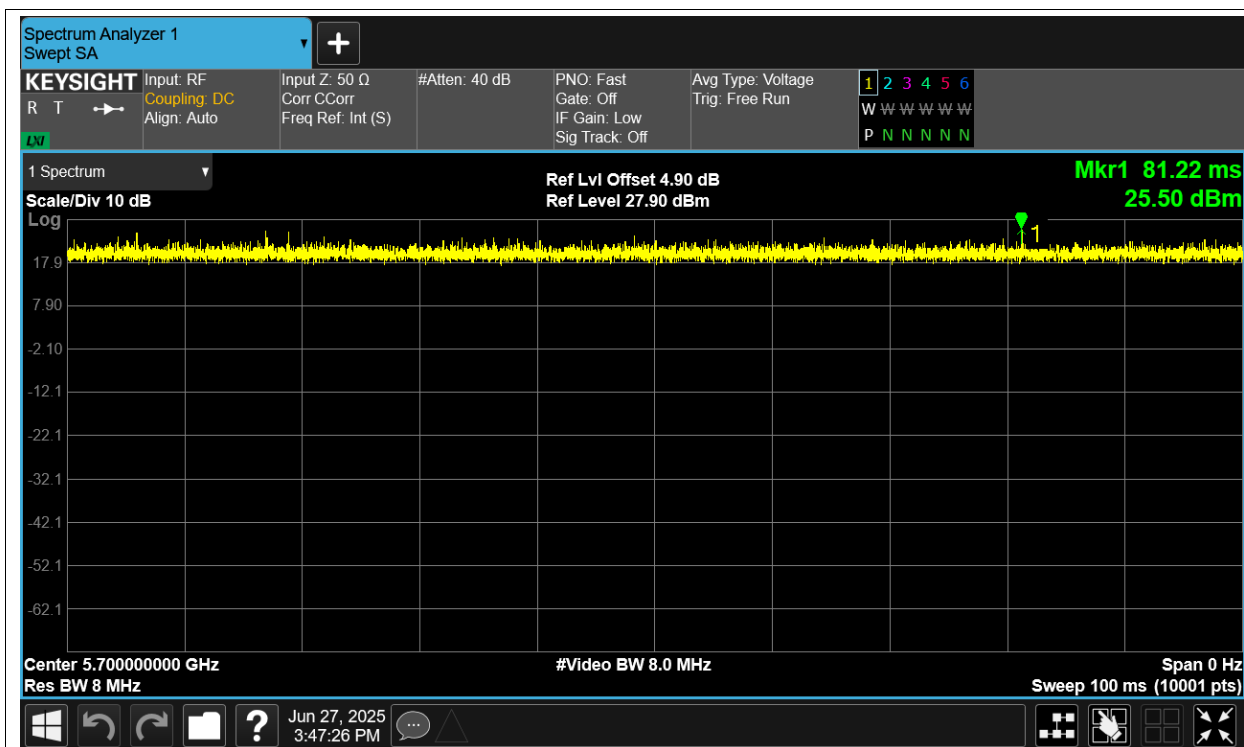
Freq. Stability NVNT n40 5510MHz Ant14



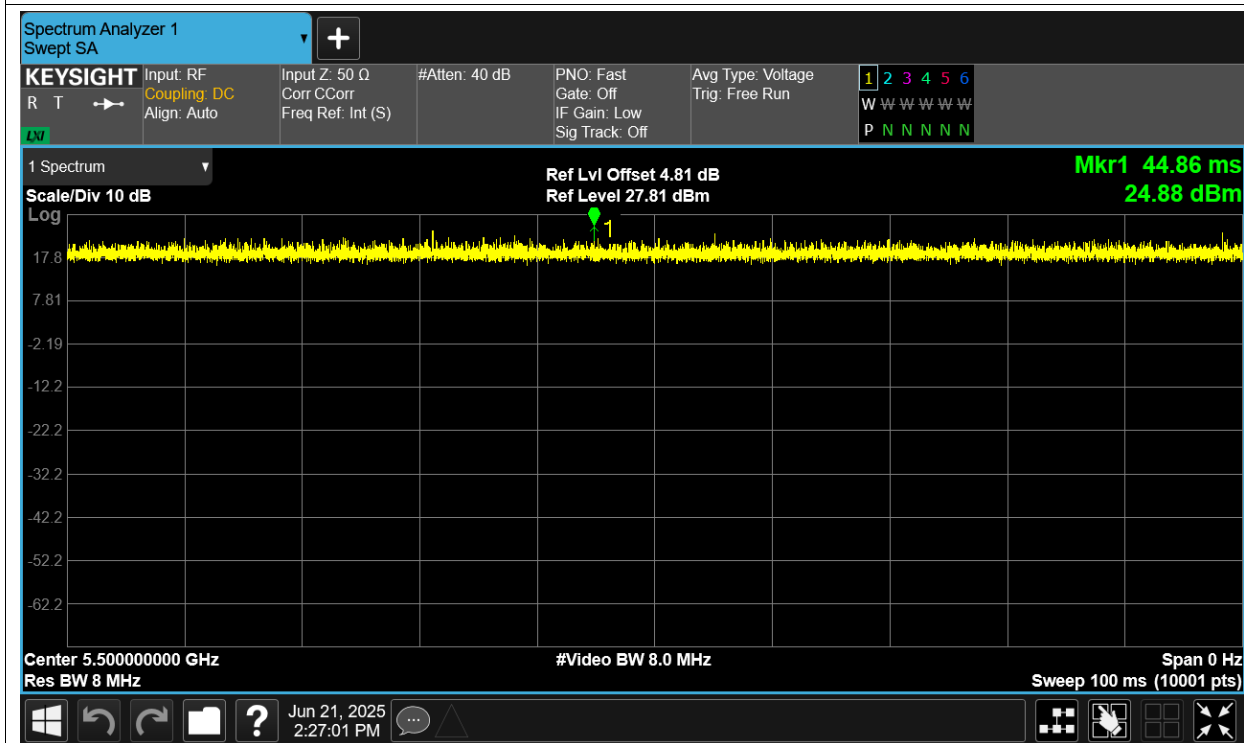
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant14	100	0
NVNT	a	5600	Ant14	100	0
NVNT	a	5700	Ant14	100	0
NVNT	ac20	5500	Ant14	100	0
NVNT	ac20	5600	Ant14	100	0
NVNT	ac20	5700	Ant14	100	0
NVNT	ac40	5510	Ant14	100	0
NVNT	ac40	5590	Ant14	100	0
NVNT	ac40	5670	Ant14	100	0
NVNT	ac80	5530	Ant14	100	0
NVNT	ac80	5610	Ant14	100	0
NVNT	n20	5500	Ant14	100	0
NVNT	n20	5600	Ant14	100	0
NVNT	n20	5700	Ant14	100	0
NVNT	n40	5510	Ant14	100	0
NVNT	n40	5590	Ant14	100	0
NVNT	n40	5670	Ant14	100	0

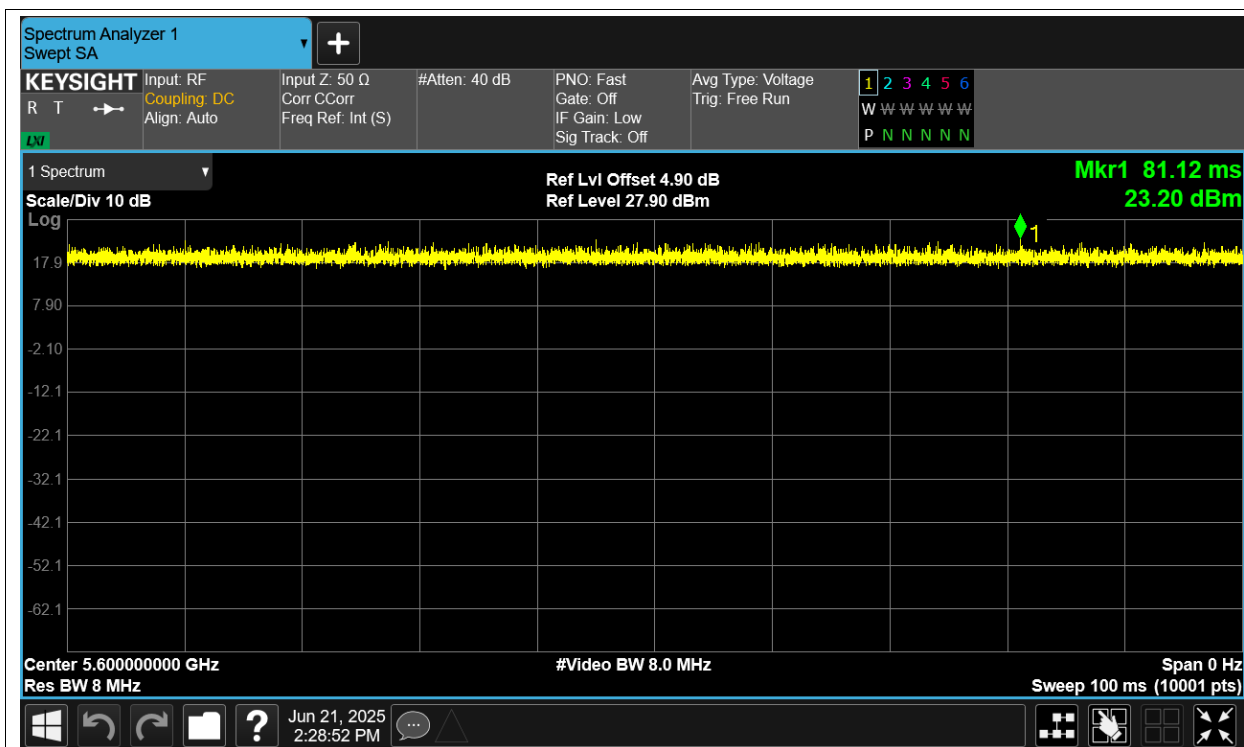




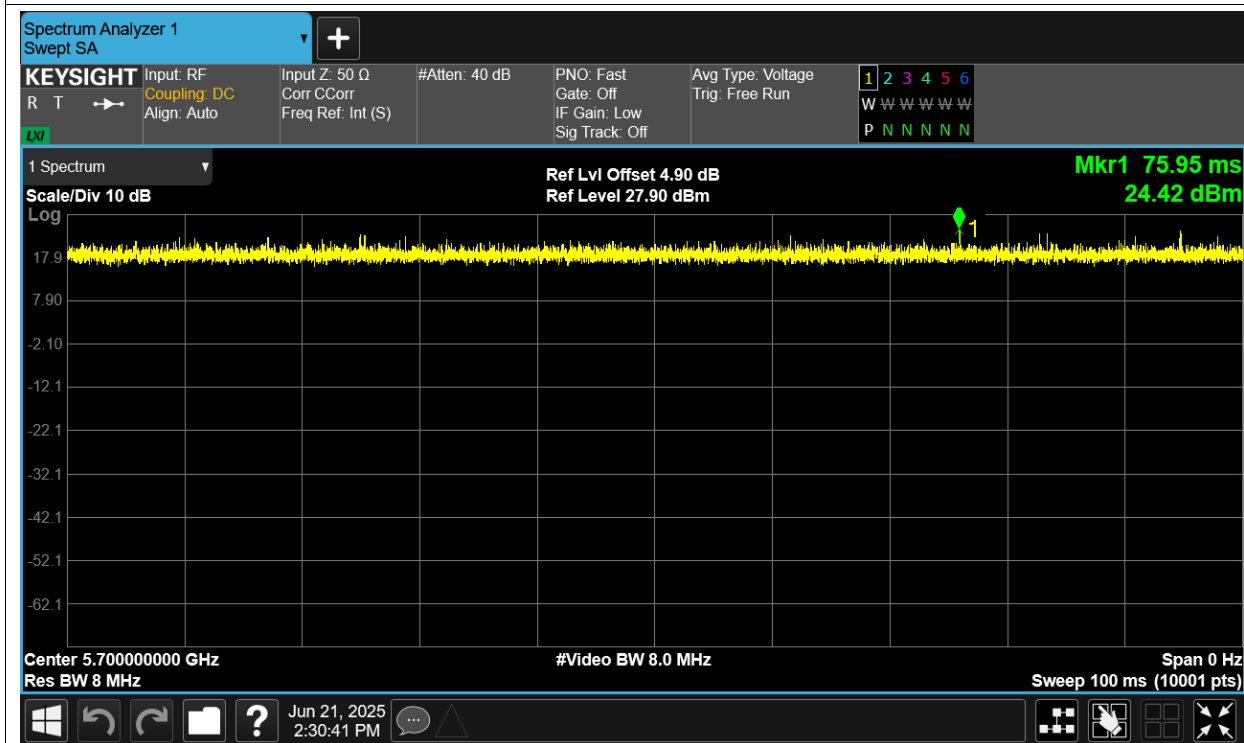
Duty Cycle NVNT ac20 5500MHz Ant14



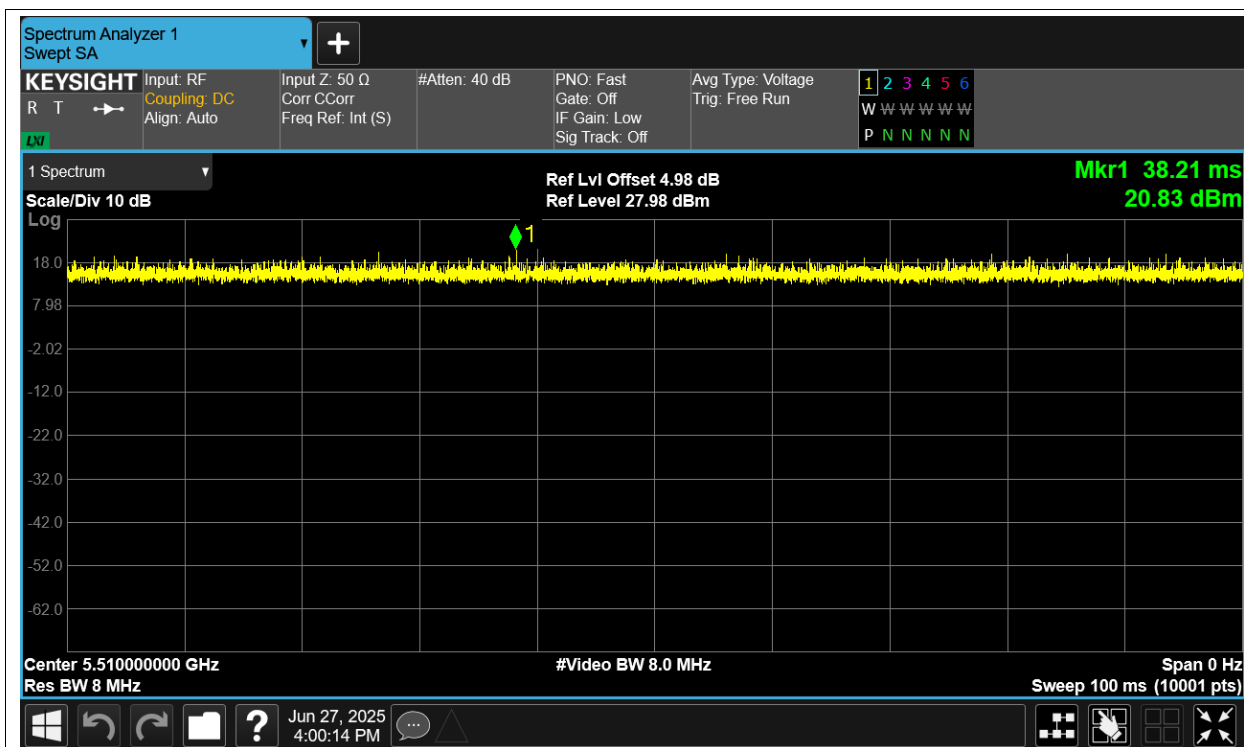
Duty Cycle NVNT ac20 5600MHz Ant14



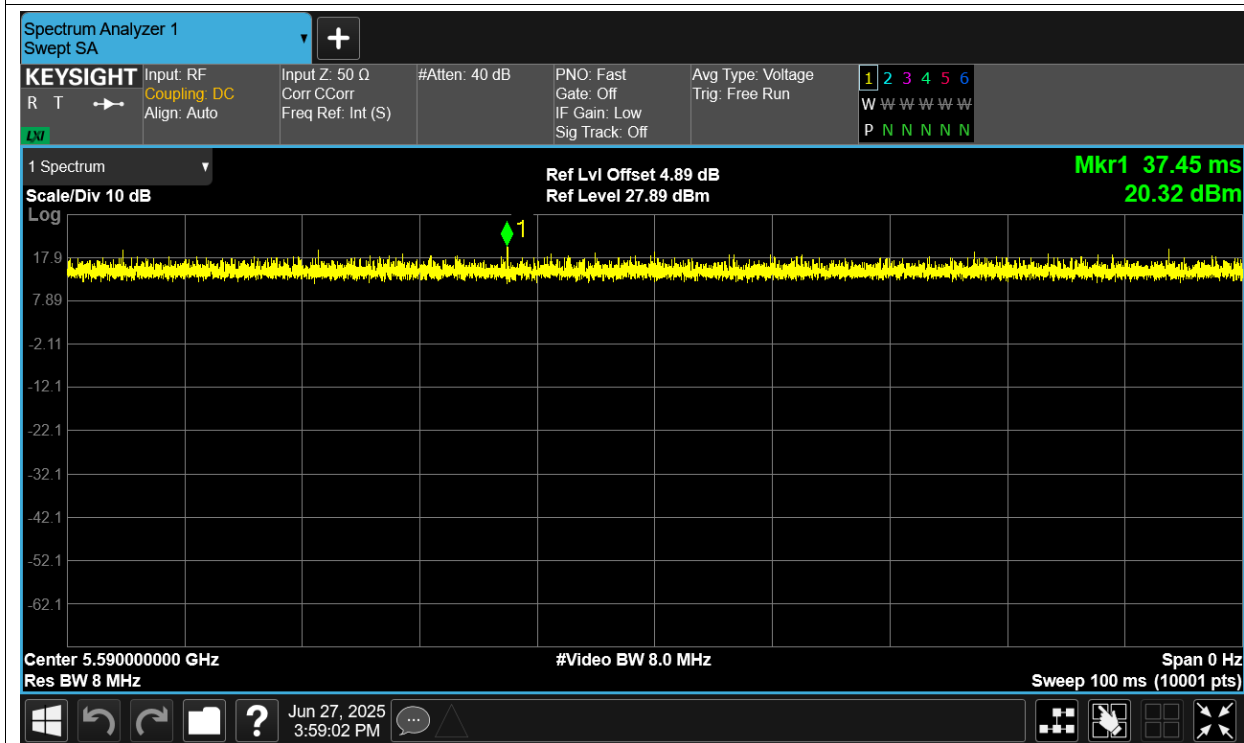
Duty Cycle NVNT ac20 5700MHz Ant14



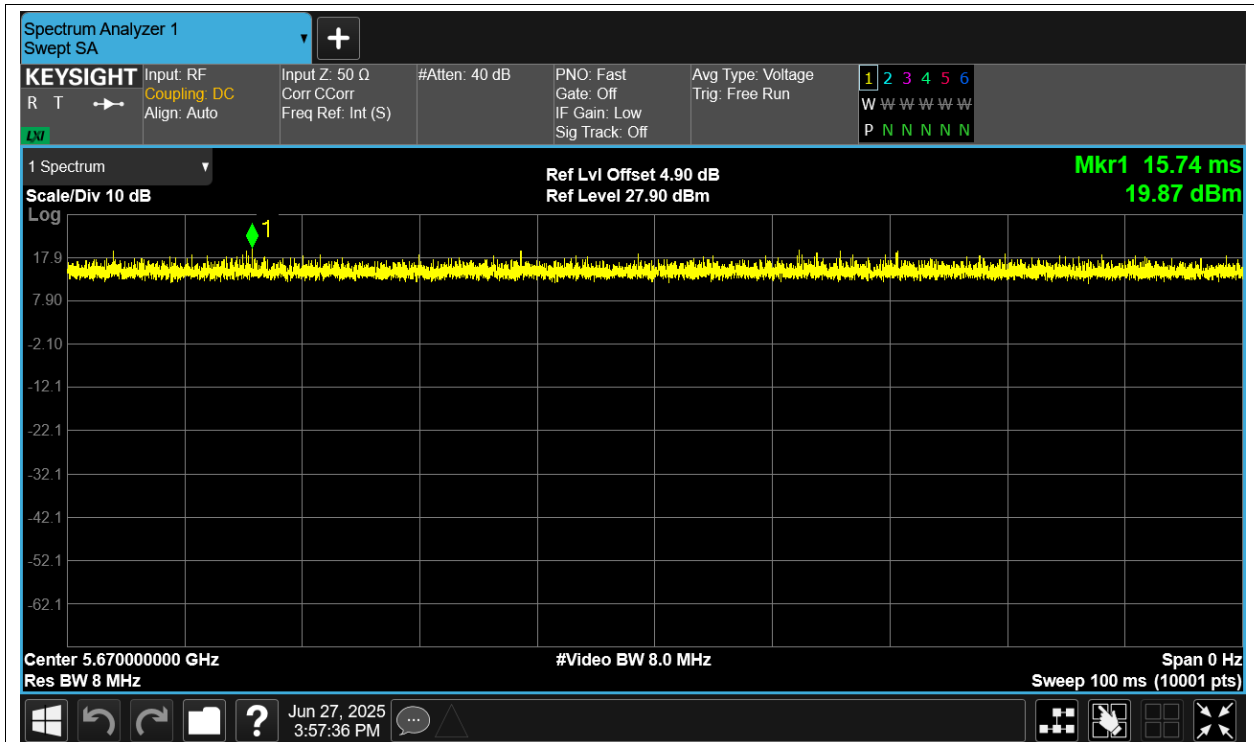
Duty Cycle NVNT ac40 5510MHz Ant14



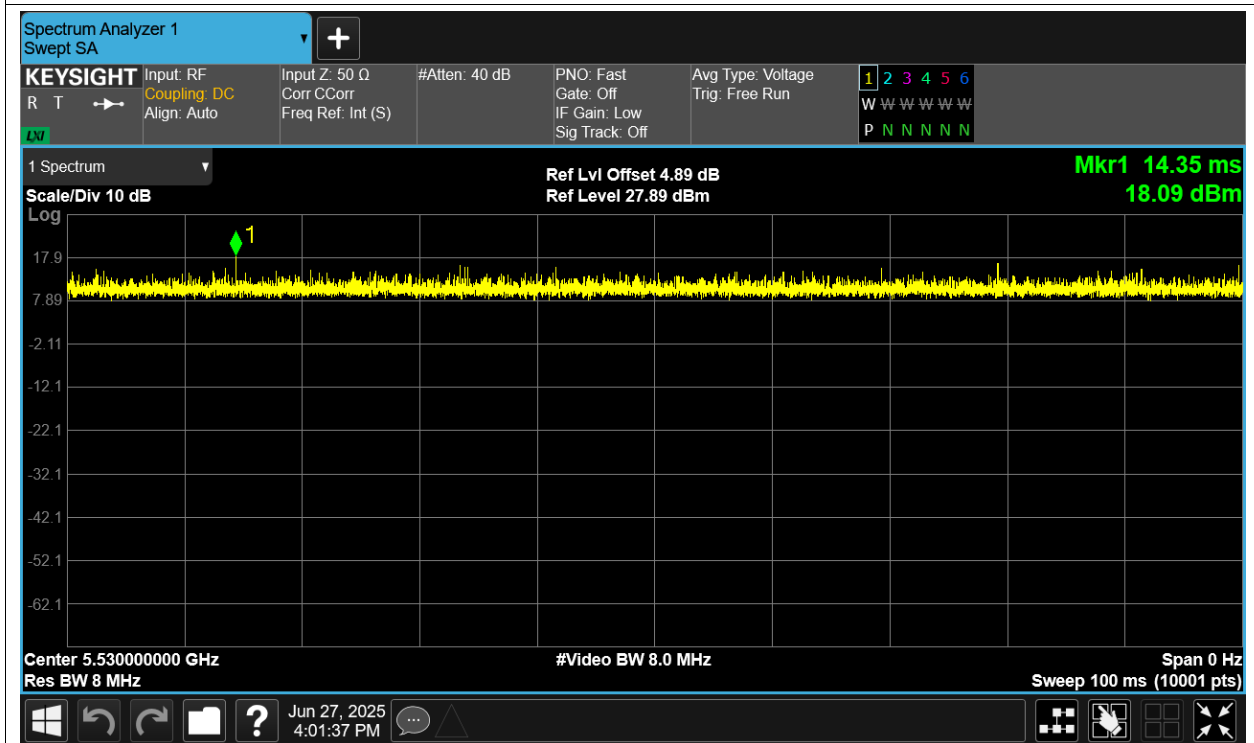
Duty Cycle NVNT ac40 5590MHz Ant14



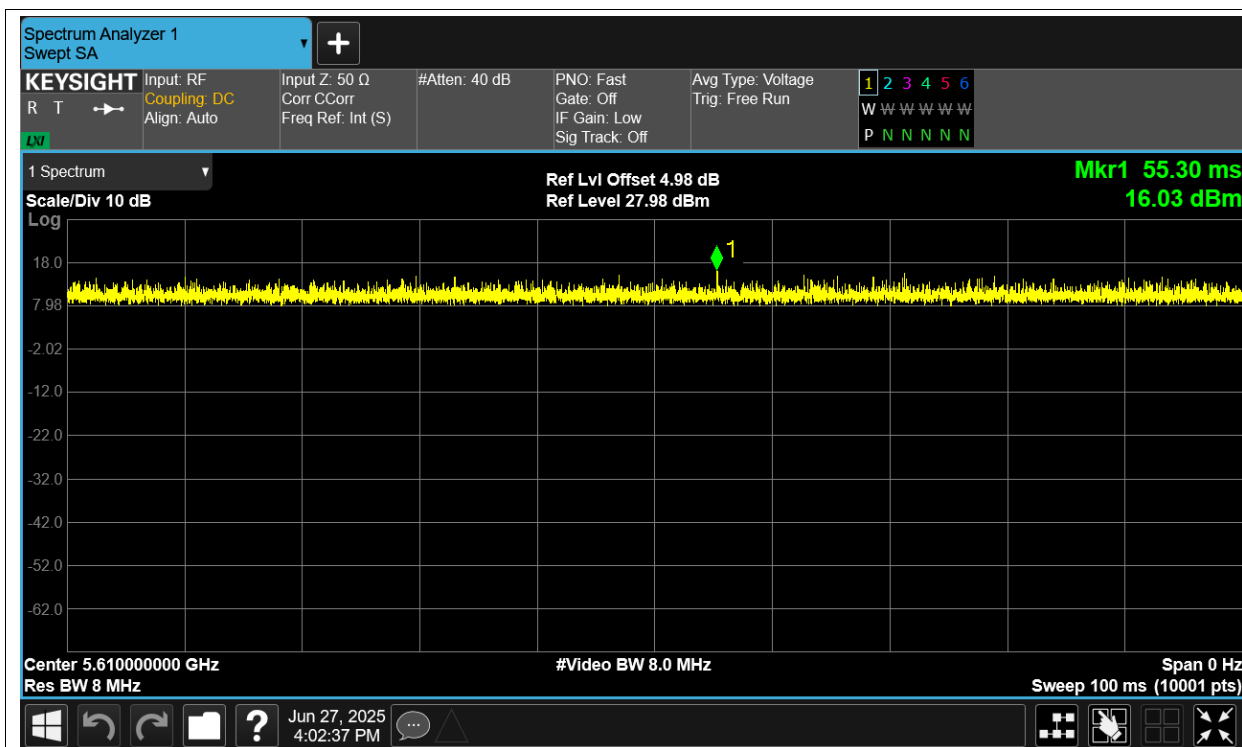
Duty Cycle NVNT ac40 5670MHz Ant14



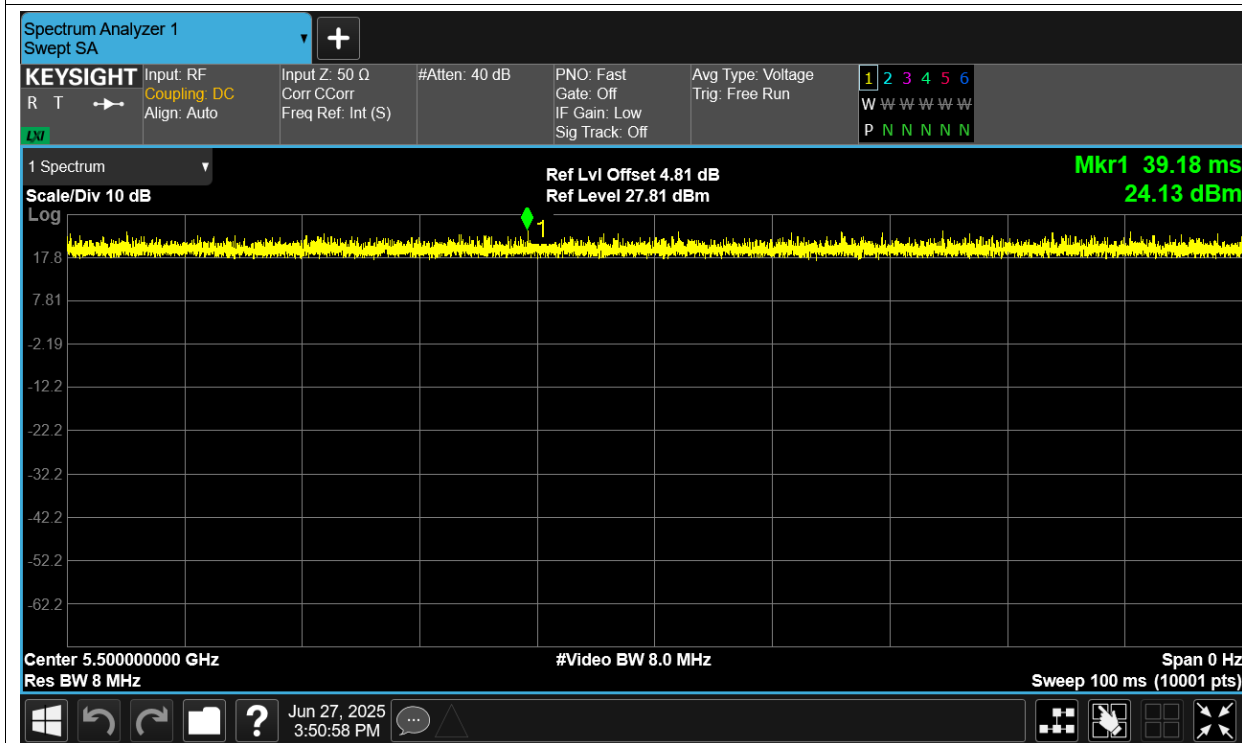
Duty Cycle NVNT ac80 5530MHz Ant14



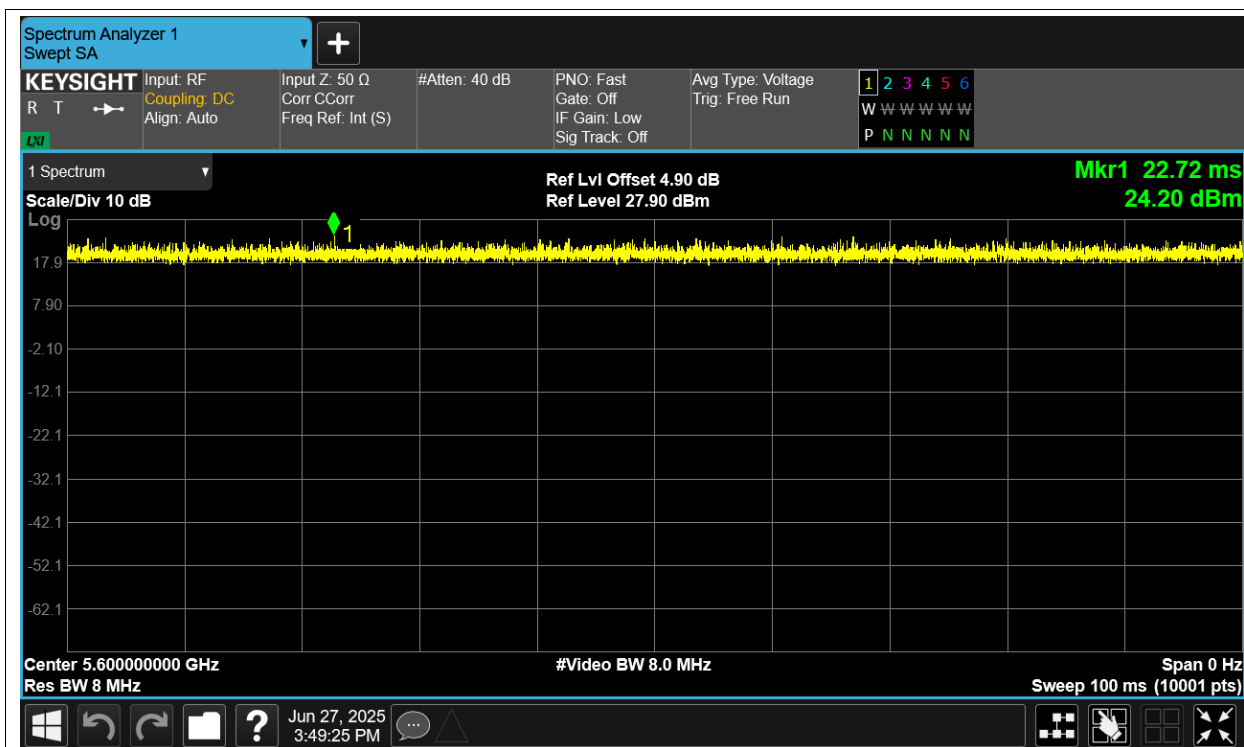
Duty Cycle NVNT ac80 5610MHz Ant14



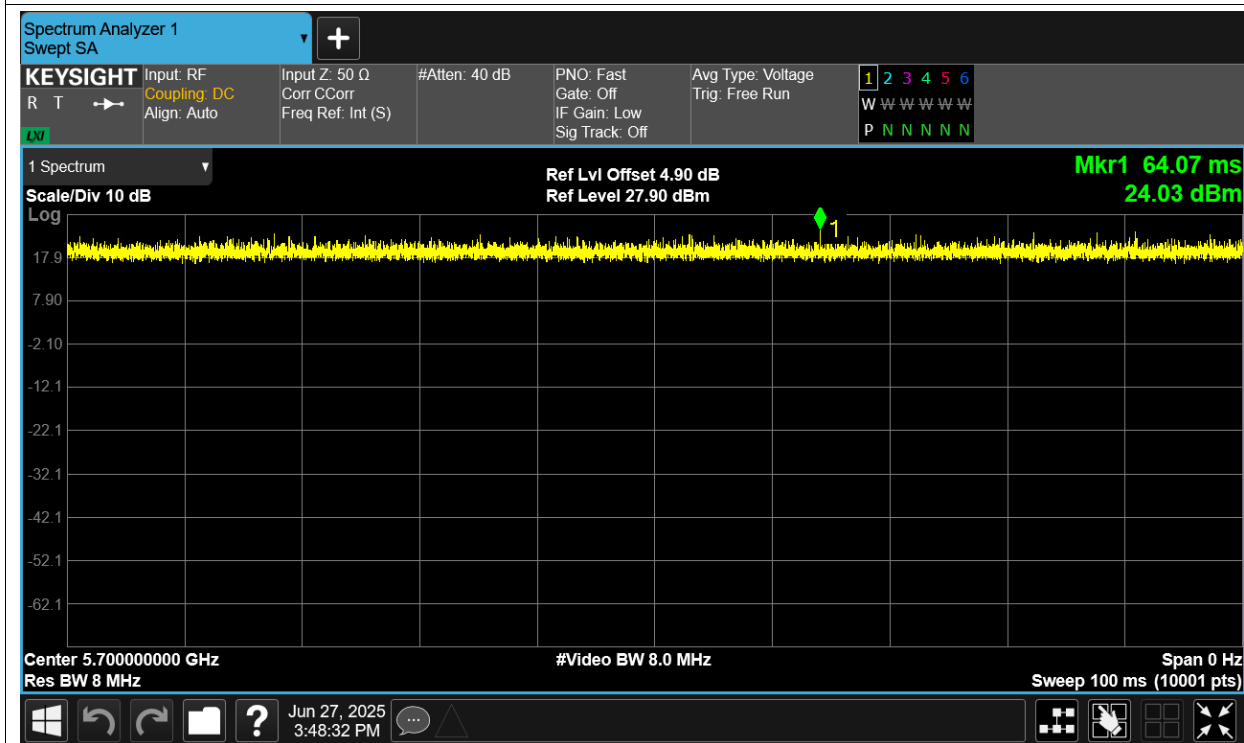
Duty Cycle NVNT n20 5500MHz Ant14



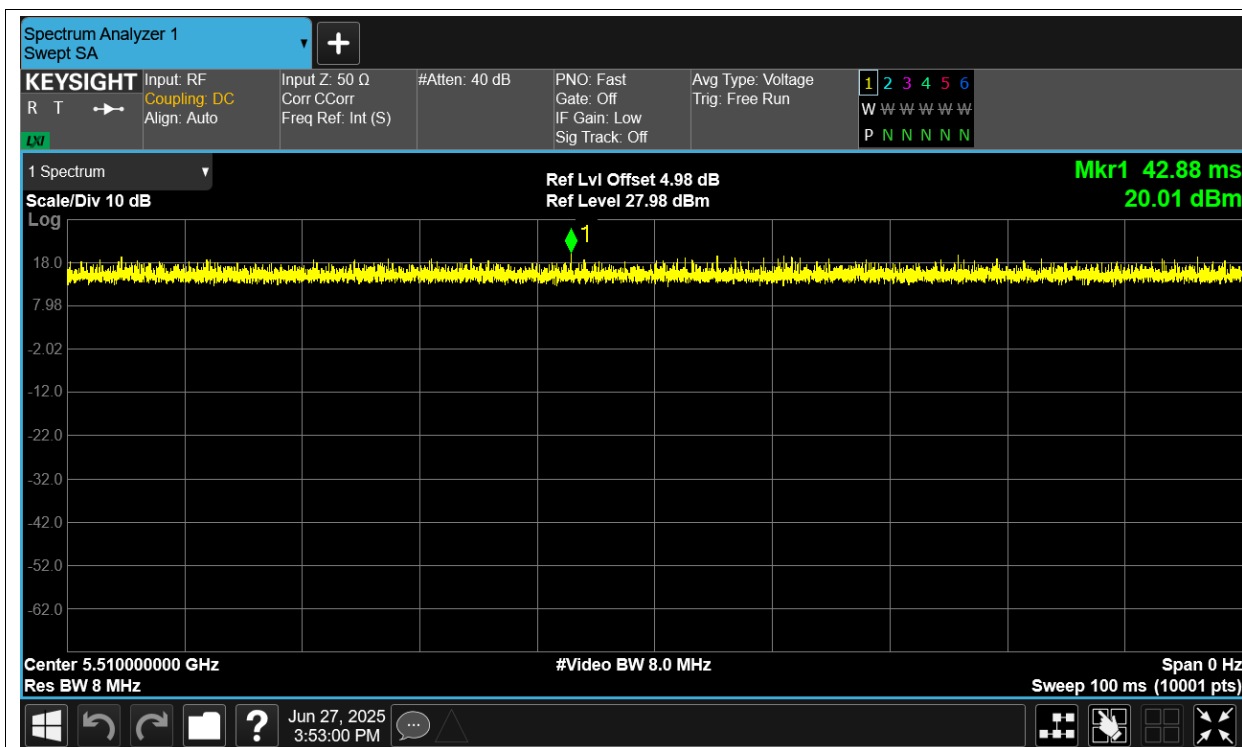
Duty Cycle NVNT n20 5600MHz Ant14



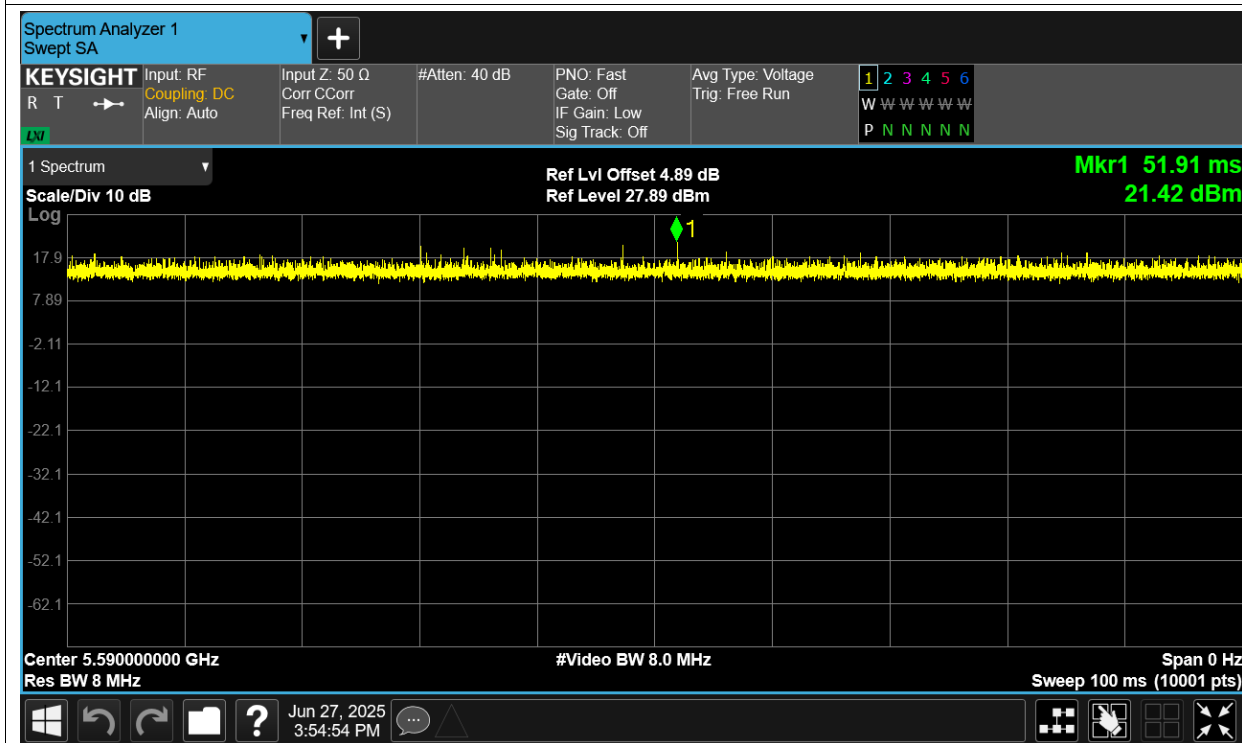
Duty Cycle NVNT n20 5700MHz Ant14



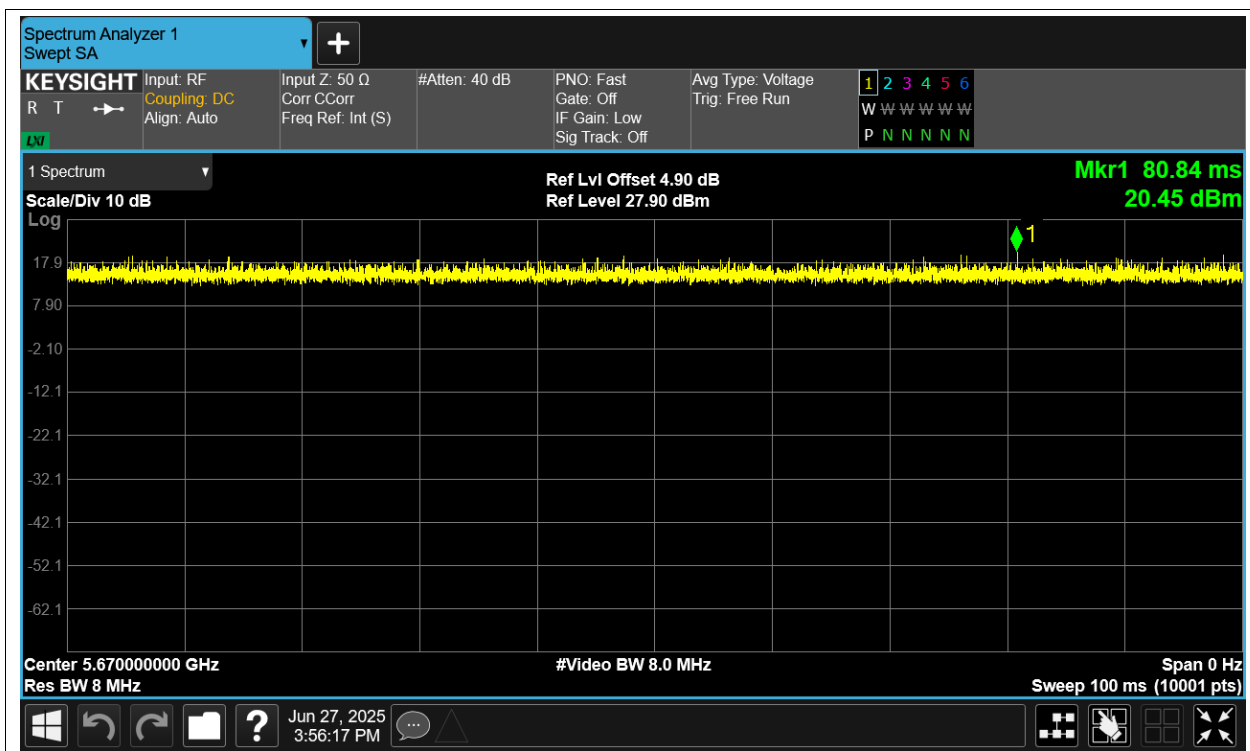
Duty Cycle NVNT n40 5510MHz Ant14



Duty Cycle NVNT n40 5590MHz Ant14



Duty Cycle NVNT n40 5670MHz Ant14



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant14	14.97	0	14.97	Within authorized band	Pass
NVNT	a	5600	Ant14	14.55	0	14.55		Pass
NVNT	a	5700	Ant14	15.13	0	15.13		Pass
NVNT	ac20	5500	Ant14	13.94	0	13.94		Pass
NVNT	ac20	5600	Ant14	13.74	0	13.74		Pass
NVNT	ac20	5700	Ant14	14.2	0	14.2		Pass
NVNT	ac40	5510	Ant14	13.13	0	13.13		Pass
NVNT	ac40	5590	Ant14	12.6	0	12.6		Pass
NVNT	ac40	5670	Ant14	12.06	0	12.06		Pass
NVNT	ac80	5530	Ant14	12.03	0	12.03		Pass
NVNT	ac80	5610	Ant14	11.77	0	11.77		Pass
NVNT	n20	5500	Ant14	14.83	0	14.83		Pass
NVNT	n20	5600	Ant14	14.32	0	14.32		Pass
NVNT	n20	5700	Ant14	14.89	0	14.89		Pass
NVNT	n40	5510	Ant14	13.06	0	13.06		Pass
NVNT	n40	5590	Ant14	12.54	0	12.54		Pass
NVNT	n40	5670	Ant14	12.41	0	12.41		Pass

Remark:

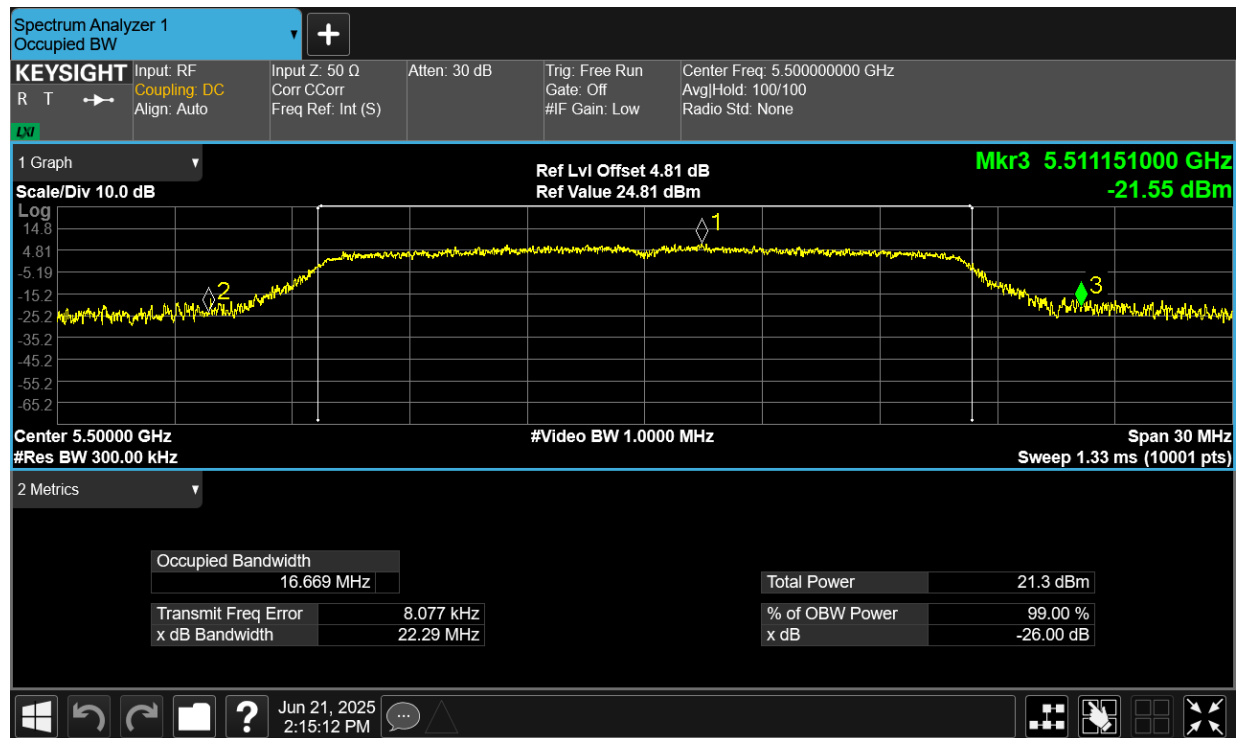
“NTNV” means Normal Temperature Normal Voltage, “NVHT” means Normal Voltage High Temperature, “NVL” means Normal Voltage Low Temperature, “LVNT” means Low Voltage Normal Temperature, “HVNT” means High Voltage Normal Temperature.

-26dB Bandwidth

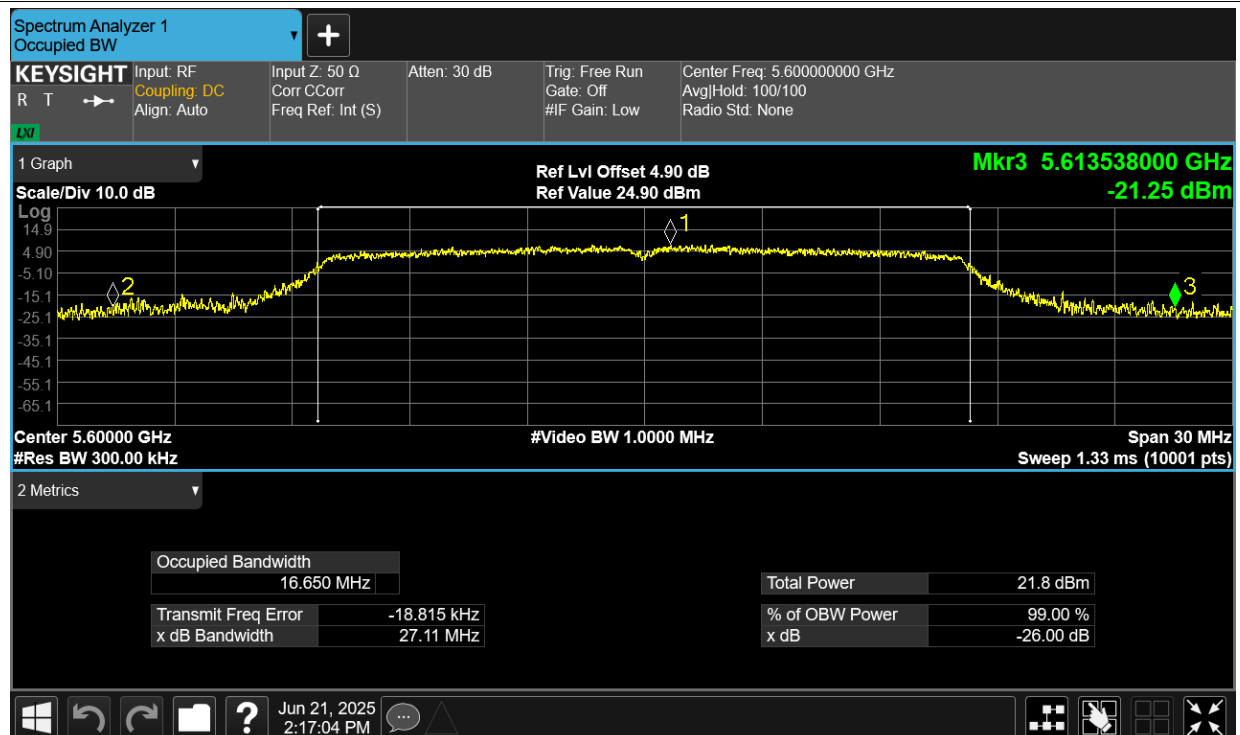
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant14	22.286
NVNT	a	5600	Ant14	27.113
NVNT	a	5700	Ant14	29.866
NVNT	ac20	5500	Ant14	20.648
NVNT	ac20	5600	Ant14	20.254
NVNT	ac20	5700	Ant14	21.688
NVNT	ac40	5510	Ant14	40.427
NVNT	ac40	5590	Ant14	40.24
NVNT	ac40	5670	Ant14	40.11
NVNT	ac80	5530	Ant14	80.159
NVNT	ac80	5610	Ant14	93.809
NVNT	n20	5500	Ant14	25.238
NVNT	n20	5600	Ant14	20.579
NVNT	n20	5700	Ant14	22.055
NVNT	n40	5510	Ant14	39.894
NVNT	n40	5590	Ant14	40.061
NVNT	n40	5670	Ant14	45.238

Test Graphs

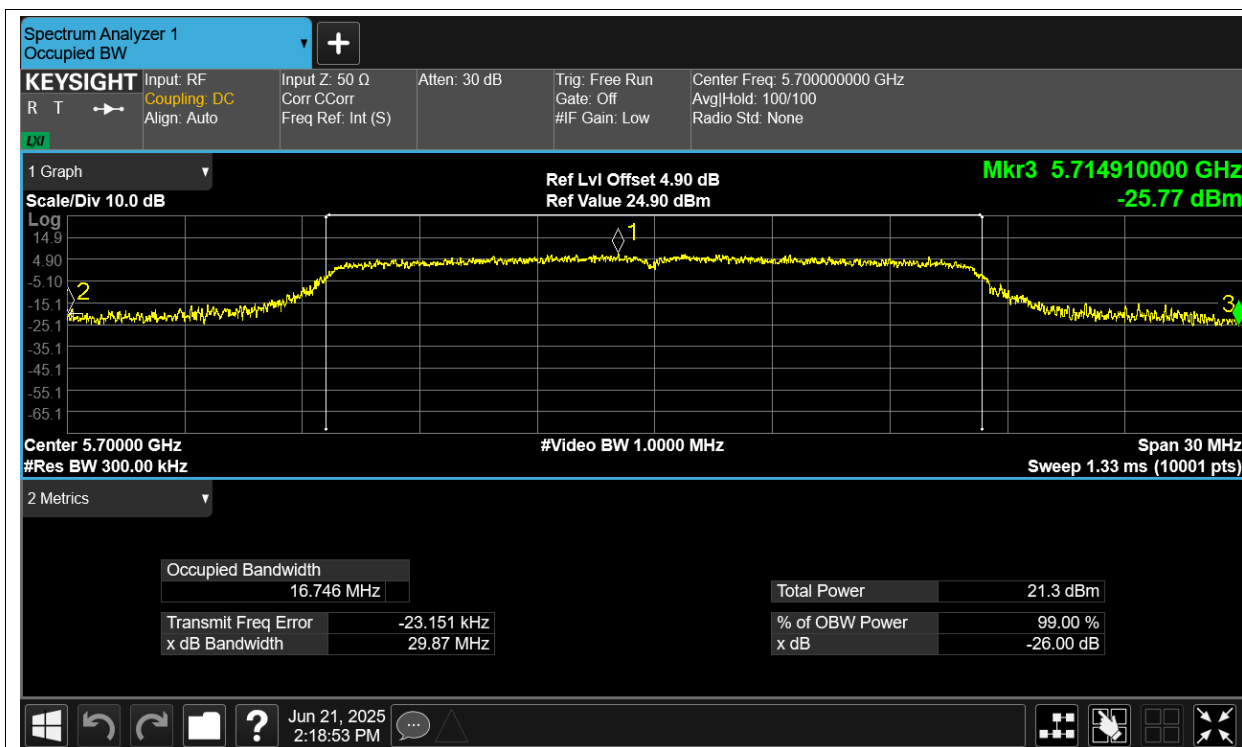
-26dB Bandwidth NVNT a 5500MHz Ant14



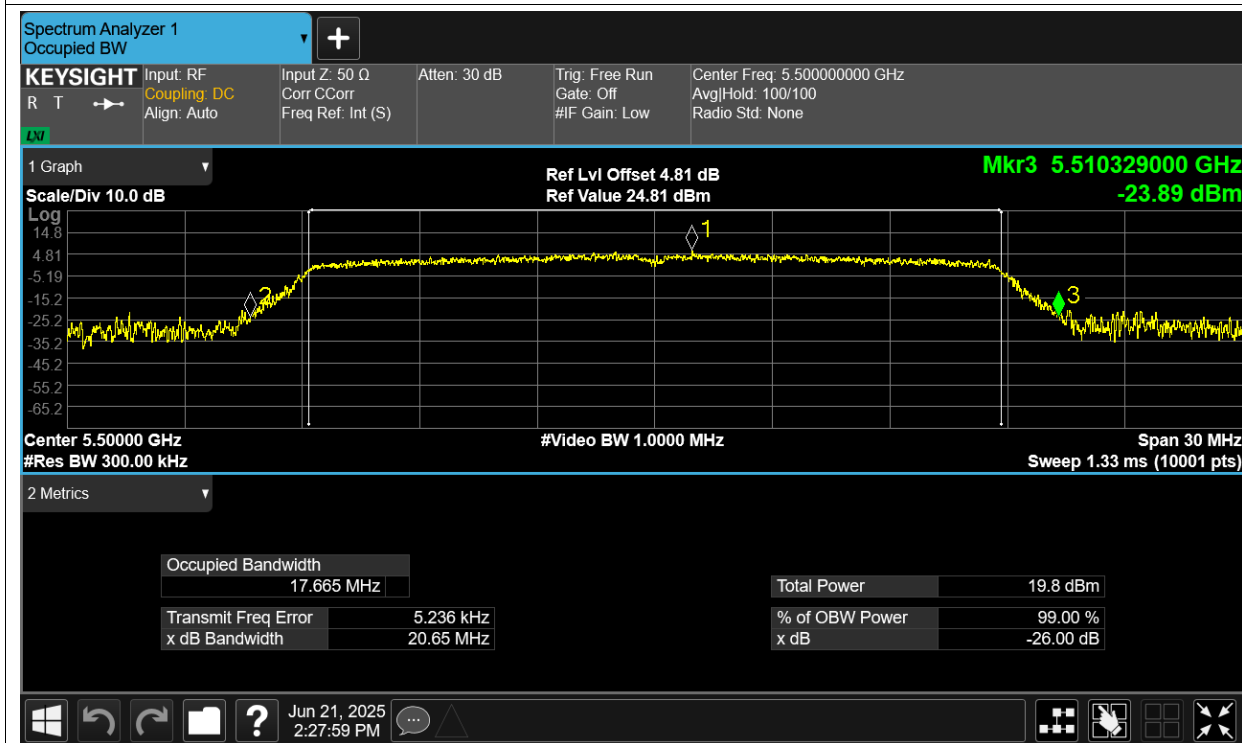
-26dB Bandwidth NVNT a 5600MHz Ant14



-26dB Bandwidth NVNT a 5700MHz Ant14



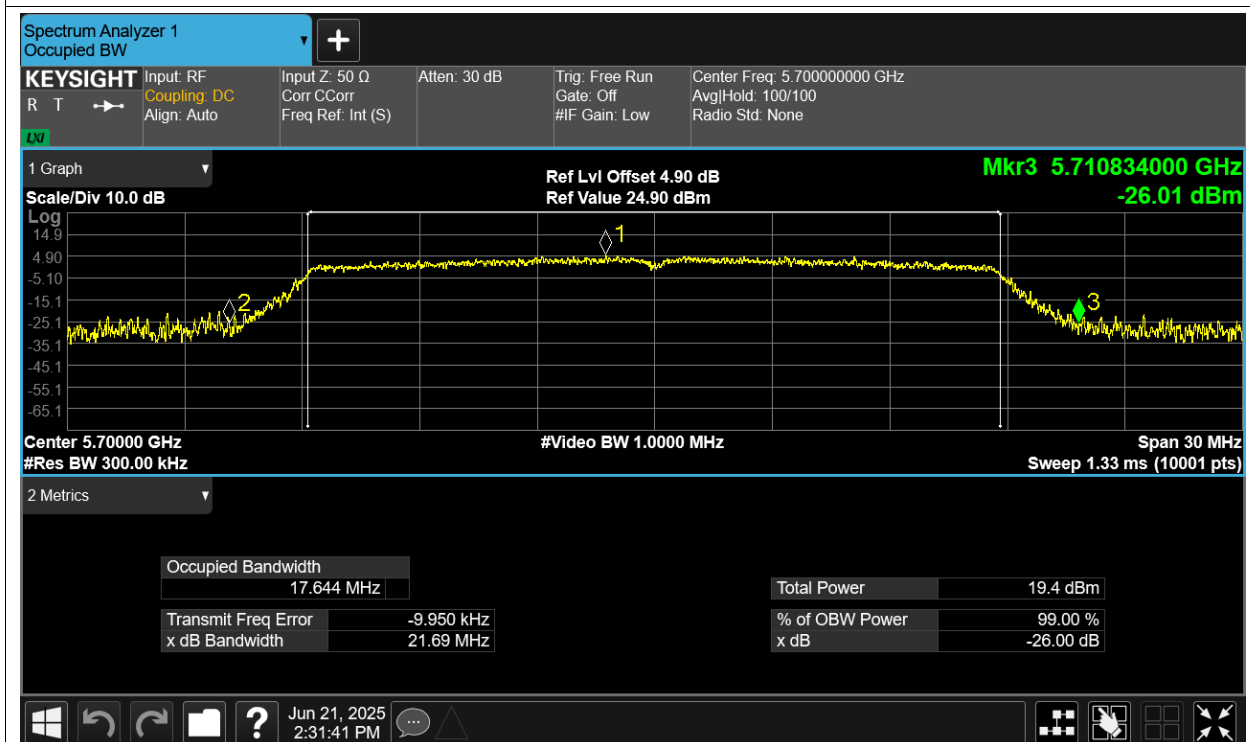
-26dB Bandwidth NVNT ac20 5500MHz Ant14



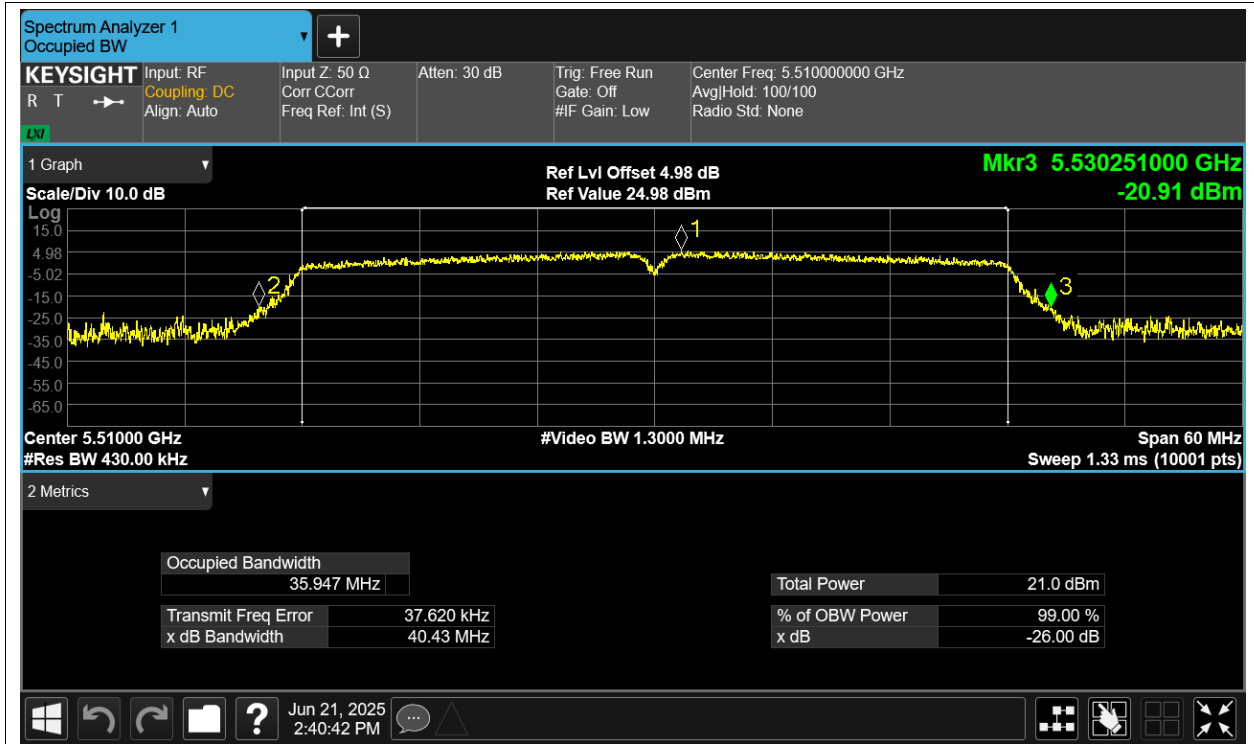
-26dB Bandwidth NVNT ac20 5600MHz Ant14



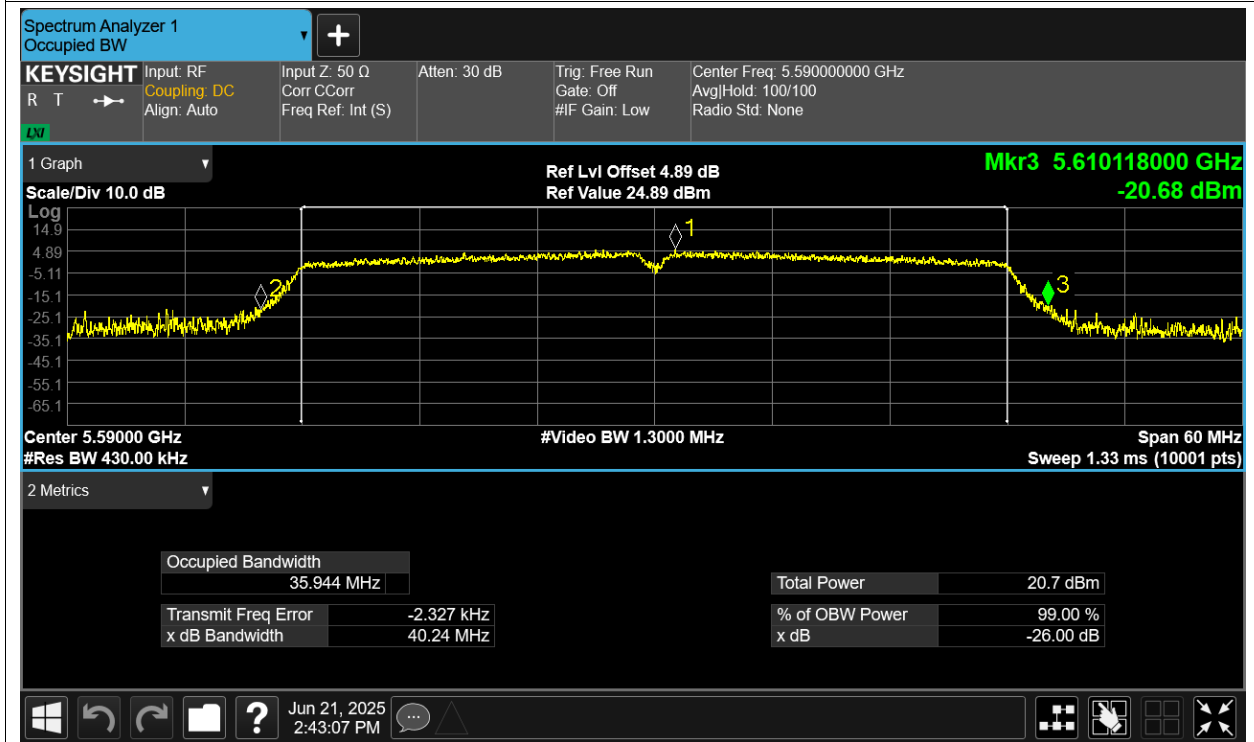
-26dB Bandwidth NVNT ac20 5700MHz Ant14



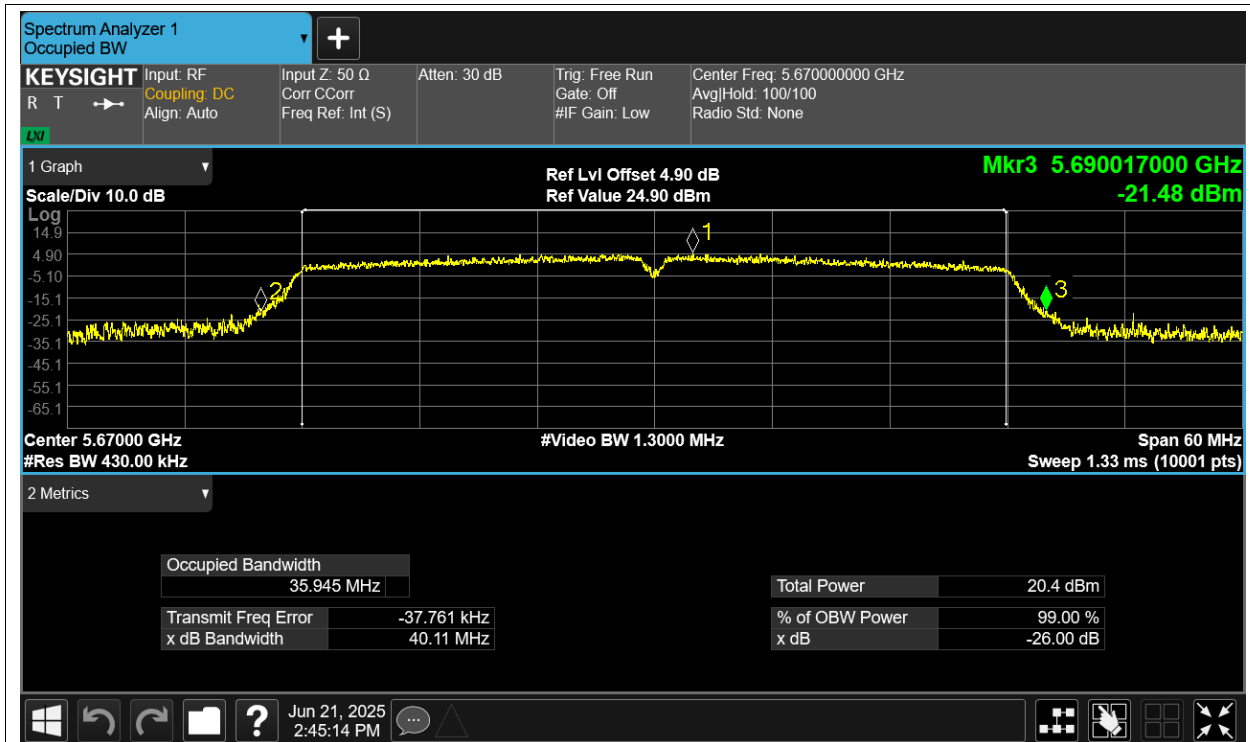
-26dB Bandwidth NVNT ac40 5510MHz Ant14



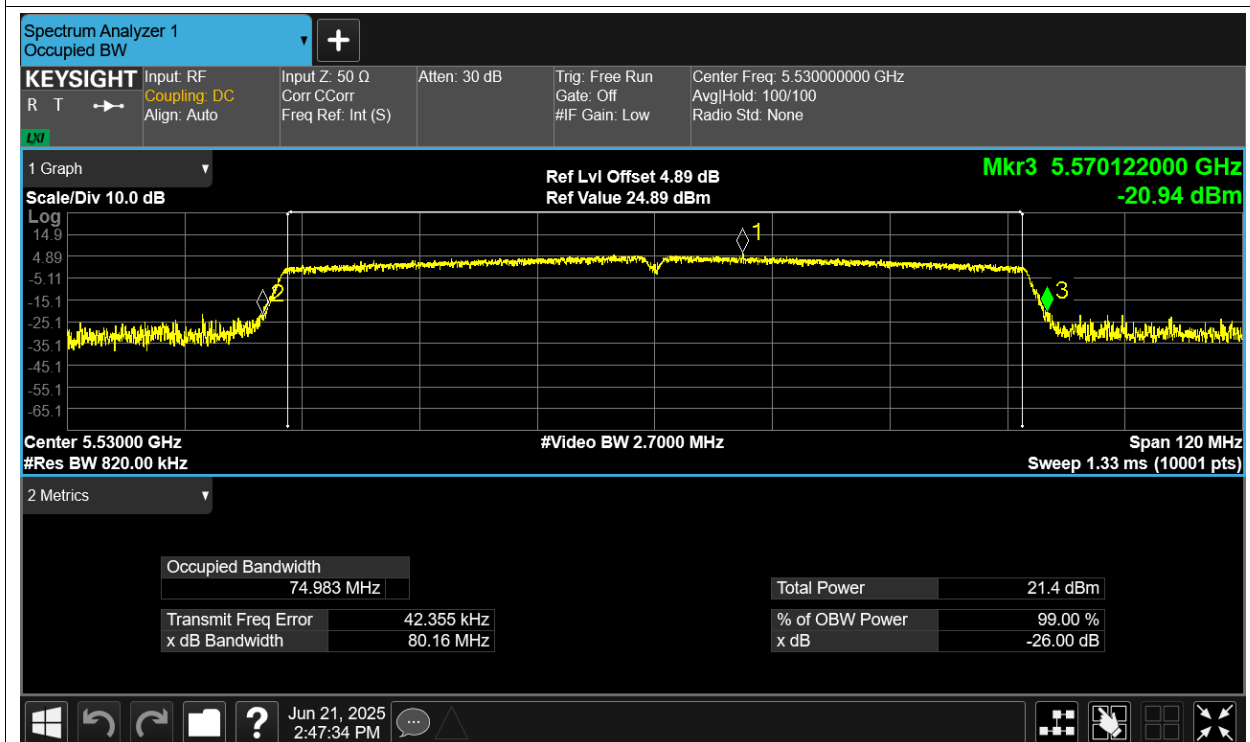
-26dB Bandwidth NVNT ac40 5590MHz Ant14



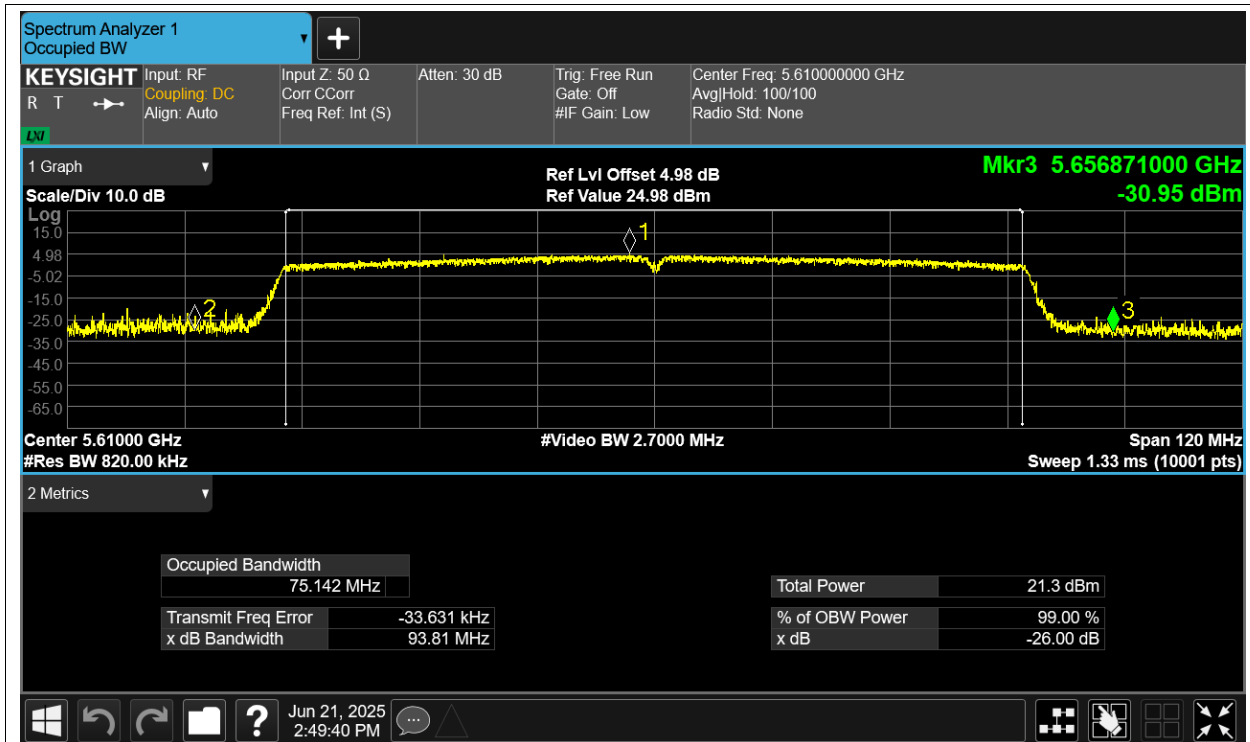
-26dB Bandwidth NVNT ac40 5670MHz Ant14



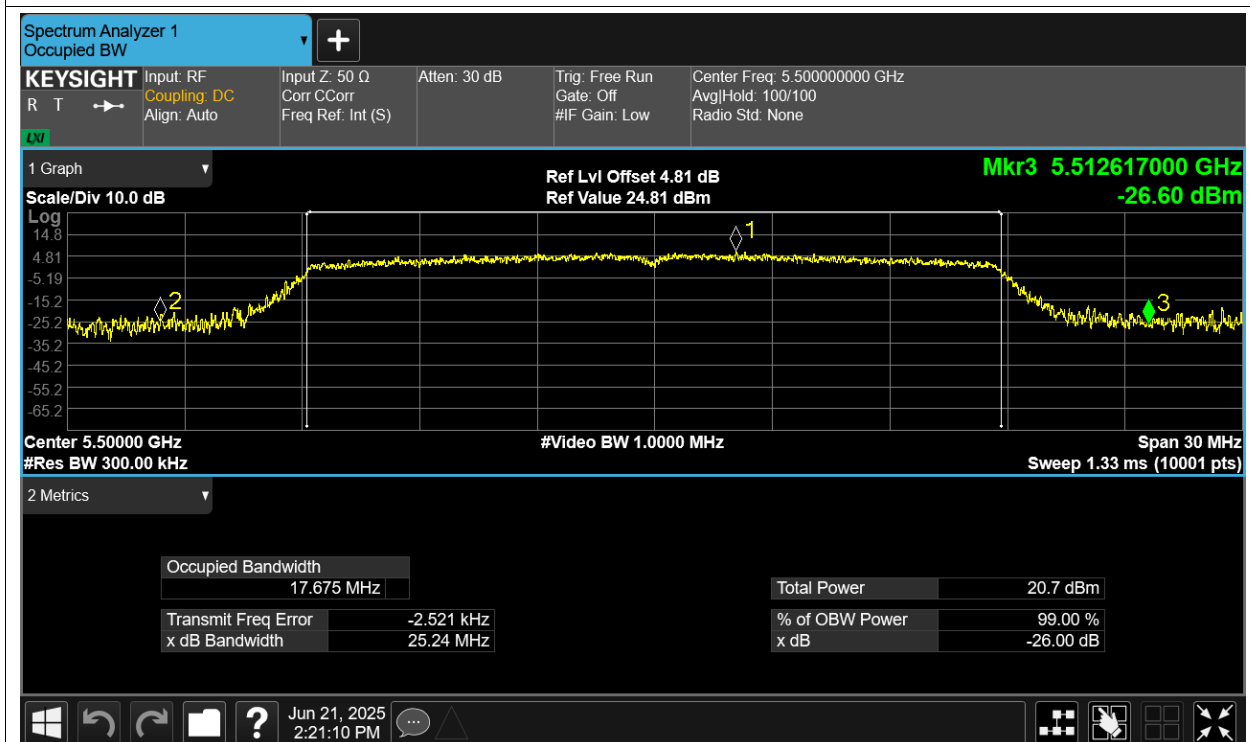
-26dB Bandwidth NVNT ac80 5530MHz Ant14



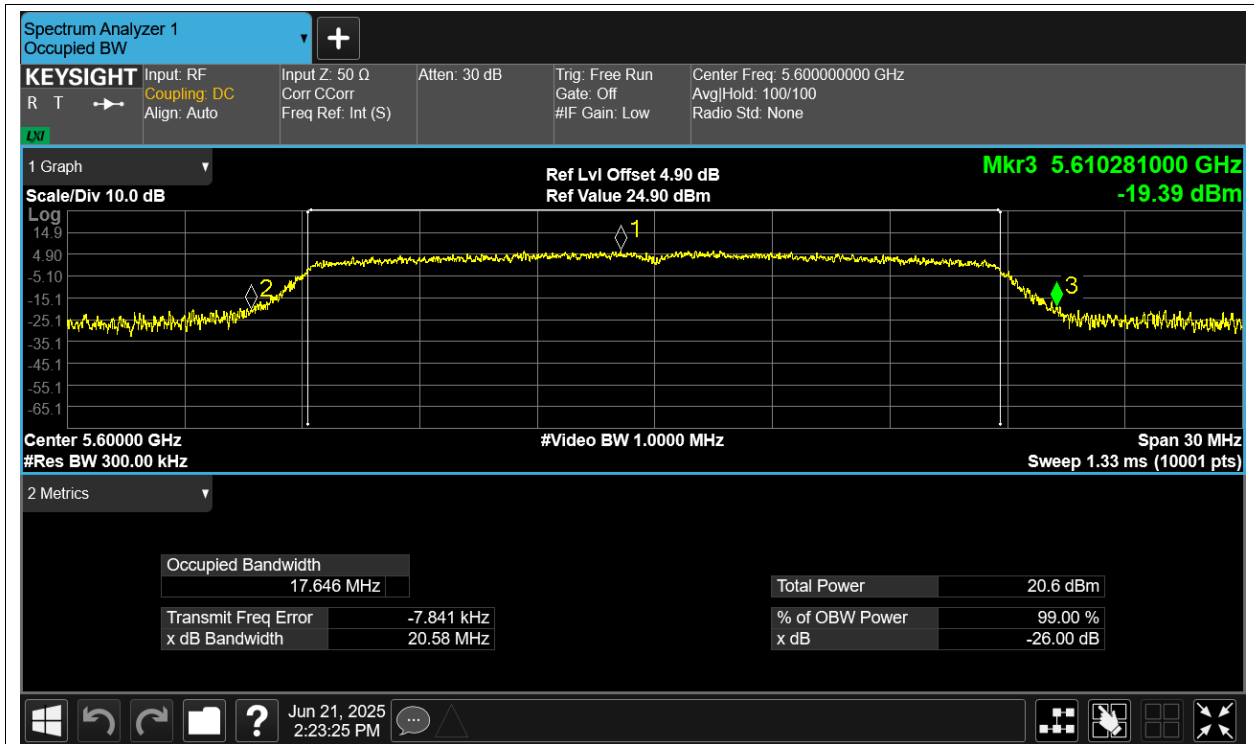
-26dB Bandwidth NVNT ac80 5610MHz Ant14



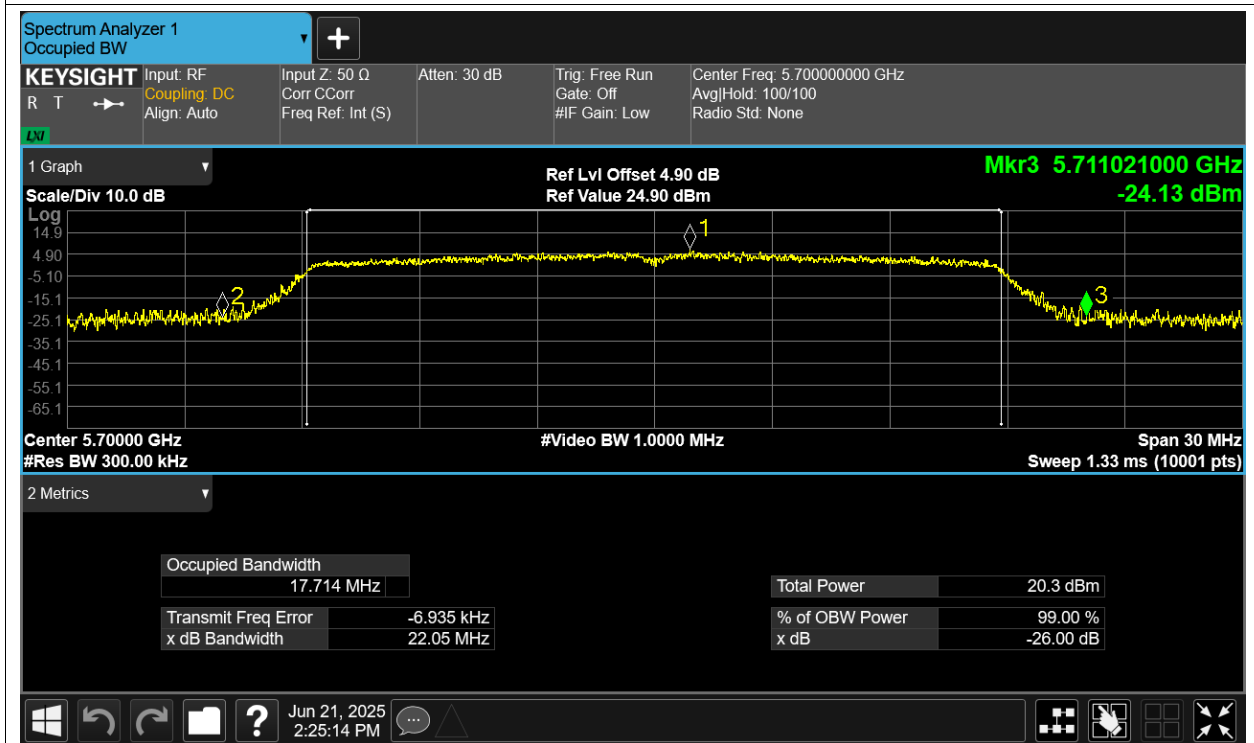
-26dB Bandwidth NVNT n20 5500MHz Ant14



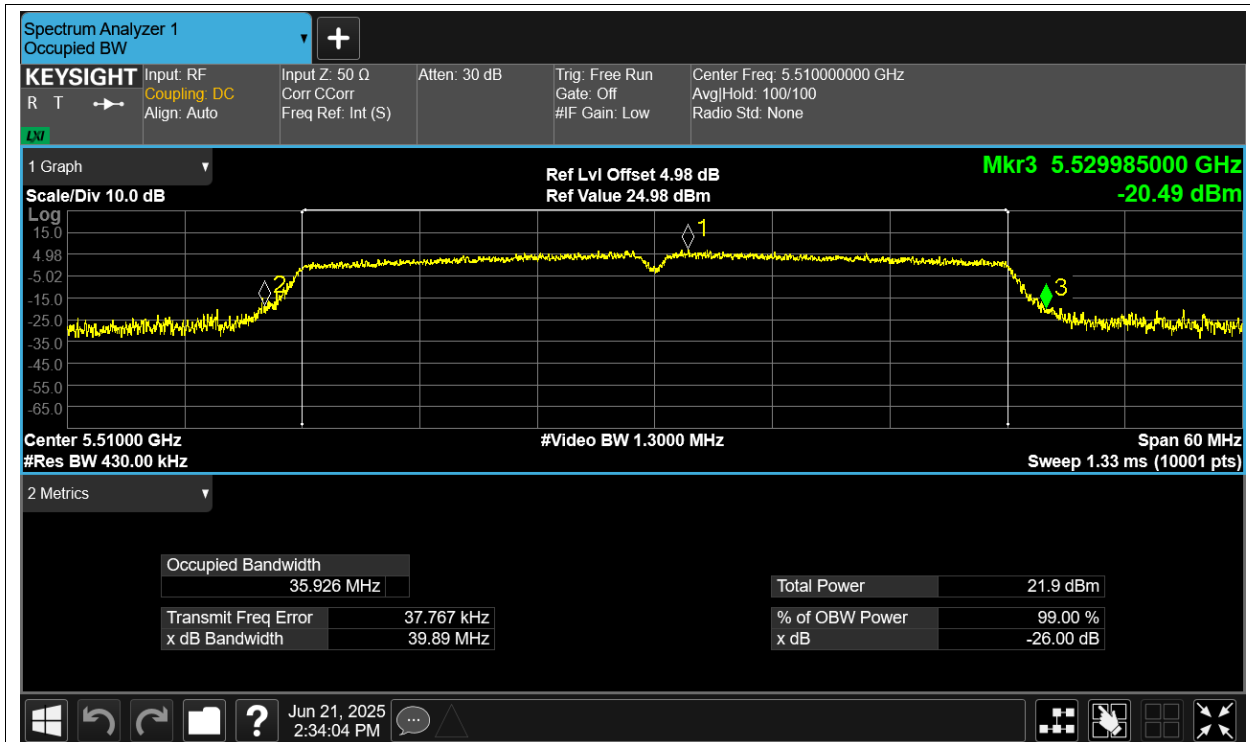
-26dB Bandwidth NVNT n20 5600MHz Ant14



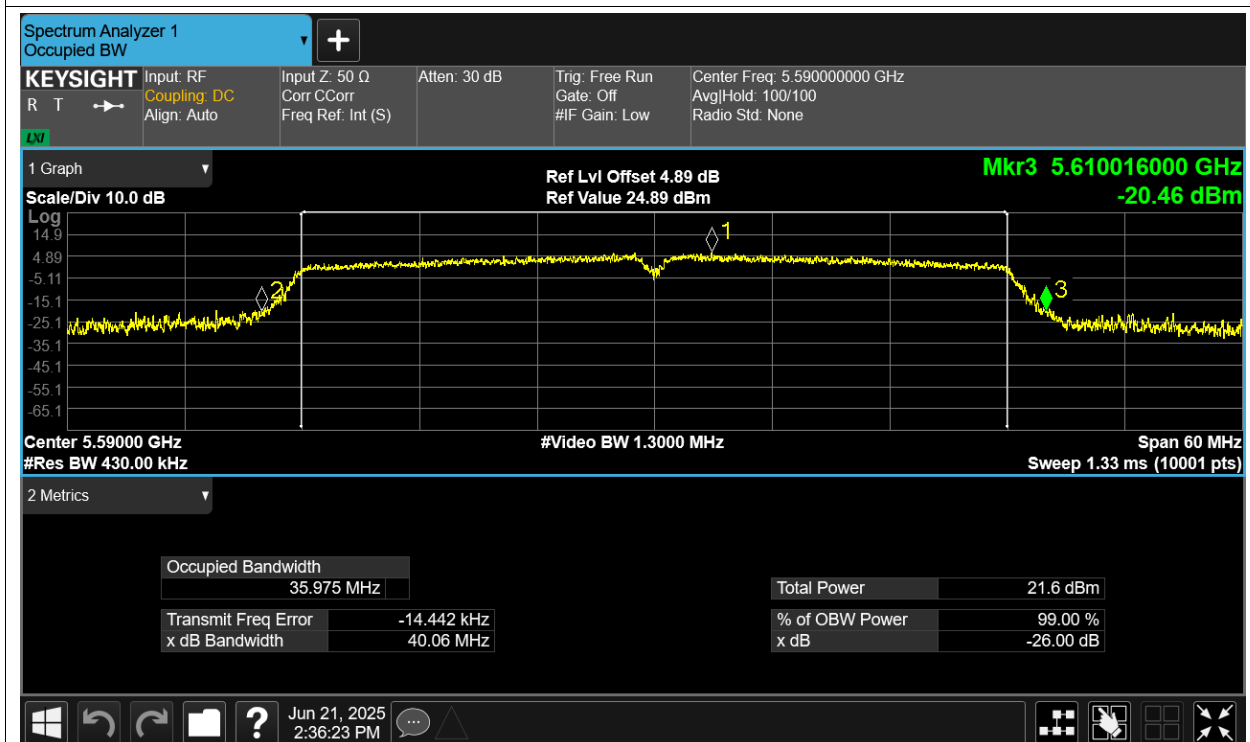
-26dB Bandwidth NVNT n20 5700MHz Ant14



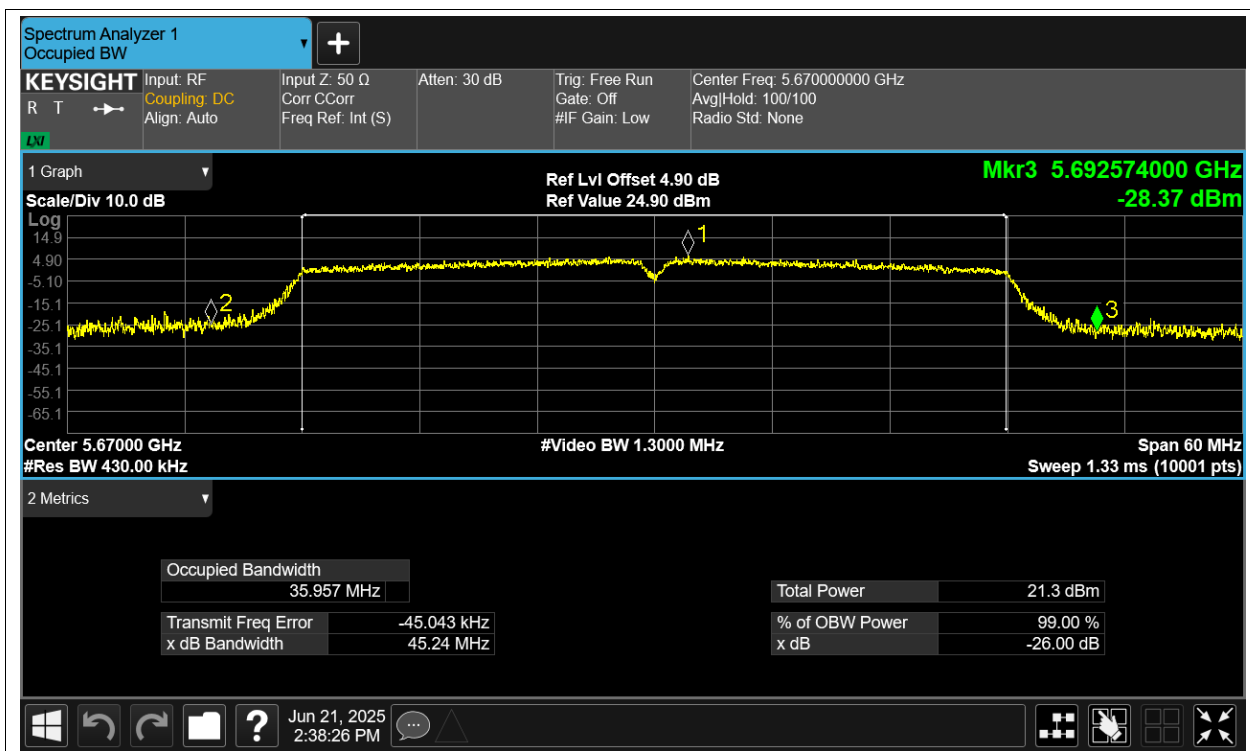
-26dB Bandwidth NVNT n40 5510MHz Ant14



-26dB Bandwidth NVNT n40 5590MHz Ant14



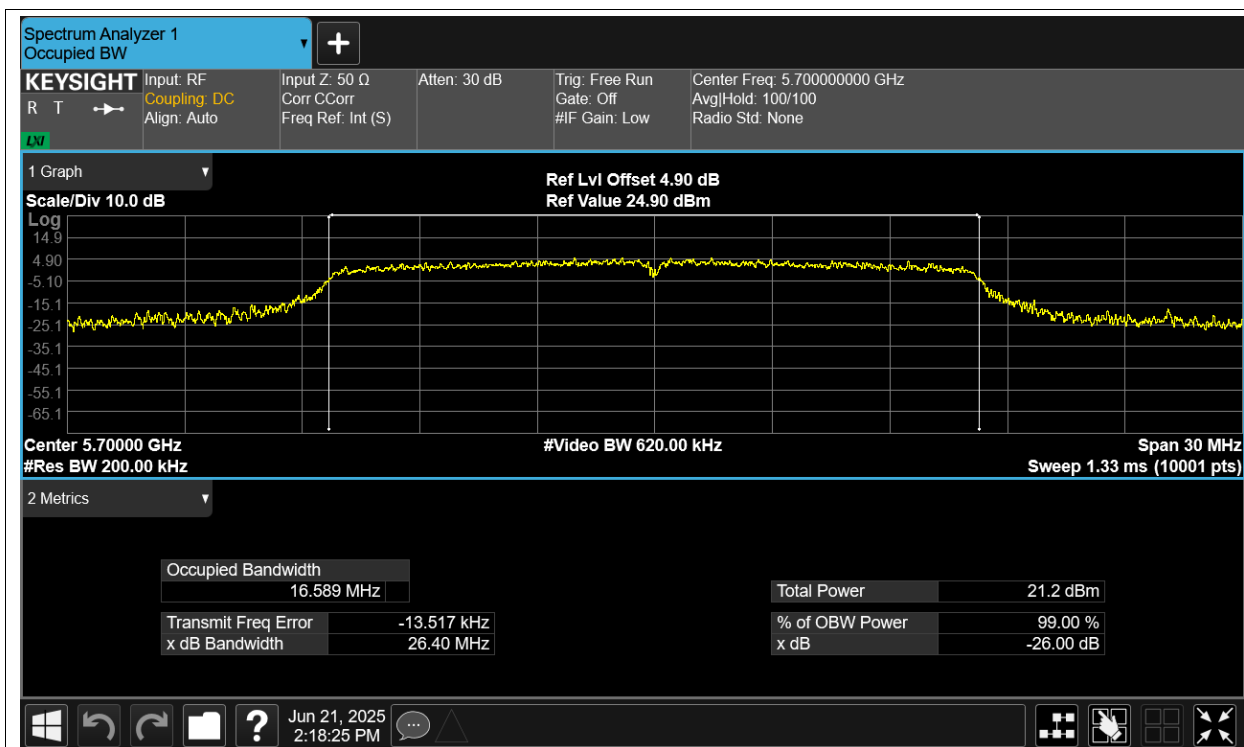
-26dB Bandwidth NVNT n40 5670MHz Ant14



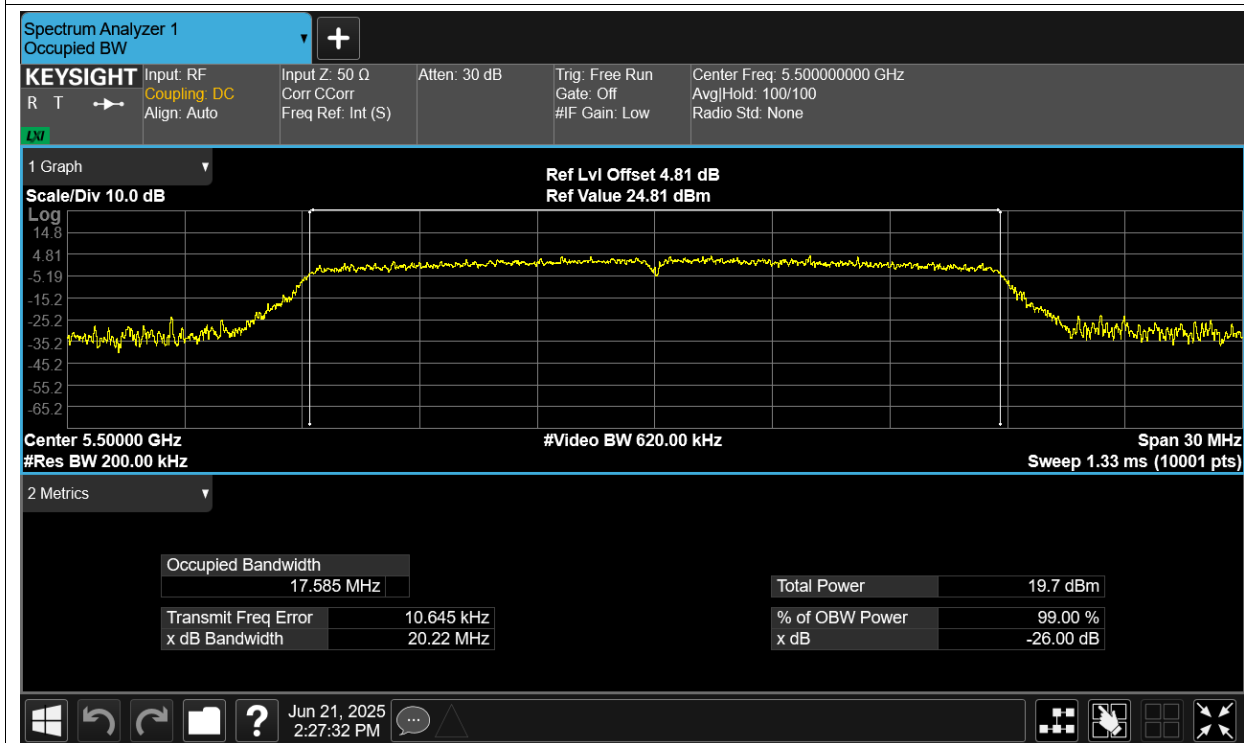
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant14	16.475
NVNT	a	5600	Ant14	16.46
NVNT	a	5700	Ant14	16.589
NVNT	ac20	5500	Ant14	17.585
NVNT	ac20	5600	Ant14	17.557
NVNT	ac20	5700	Ant14	17.574
NVNT	ac40	5510	Ant14	35.92
NVNT	ac40	5590	Ant14	35.945
NVNT	ac40	5670	Ant14	35.93
NVNT	ac80	5530	Ant14	74.985
NVNT	ac80	5610	Ant14	75.179
NVNT	n20	5500	Ant14	17.593
NVNT	n20	5600	Ant14	17.584
NVNT	n20	5700	Ant14	17.618
NVNT	n40	5510	Ant14	35.929
NVNT	n40	5590	Ant14	35.943
NVNT	n40	5670	Ant14	35.987

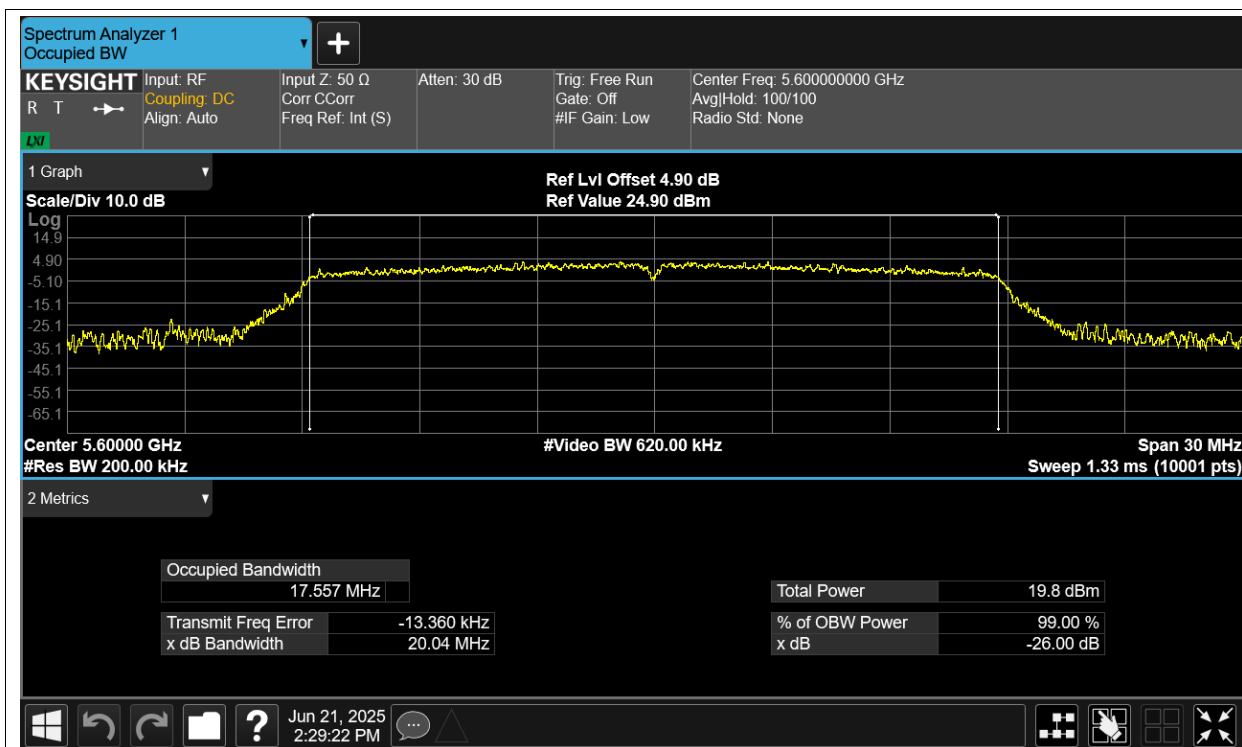




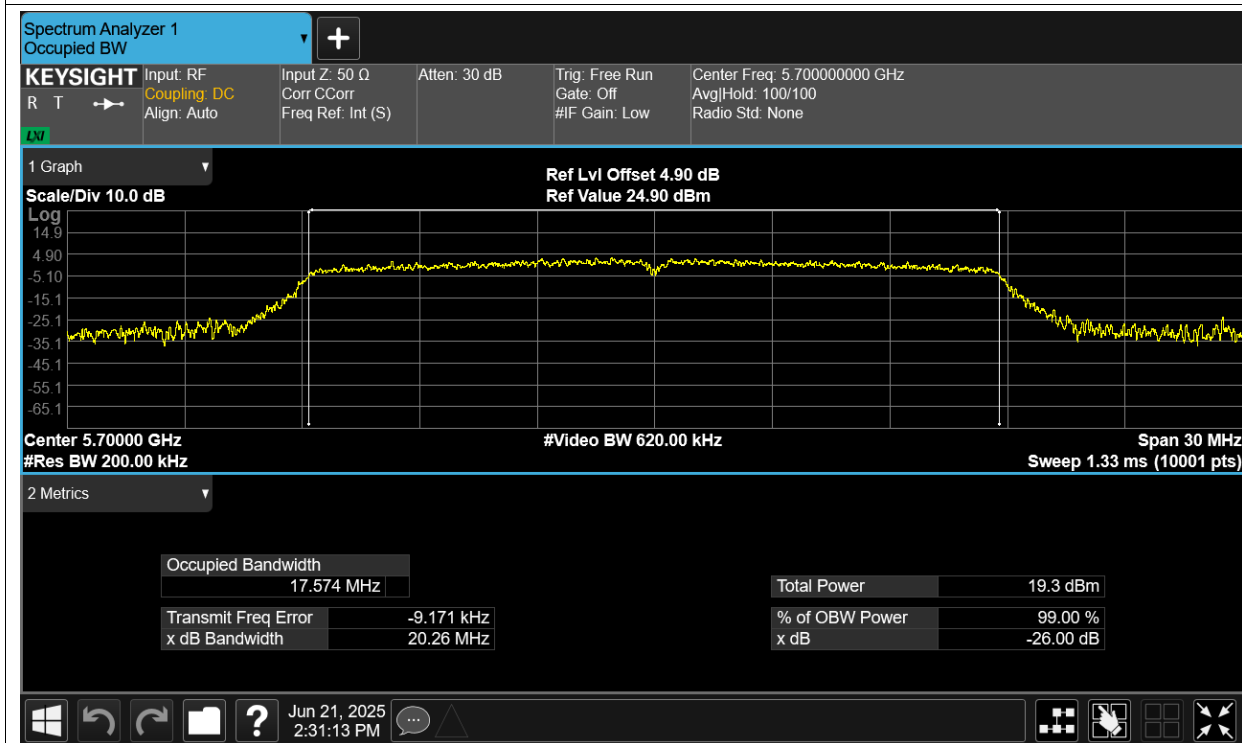
OBW NVNT ac20 5500MHz Ant14



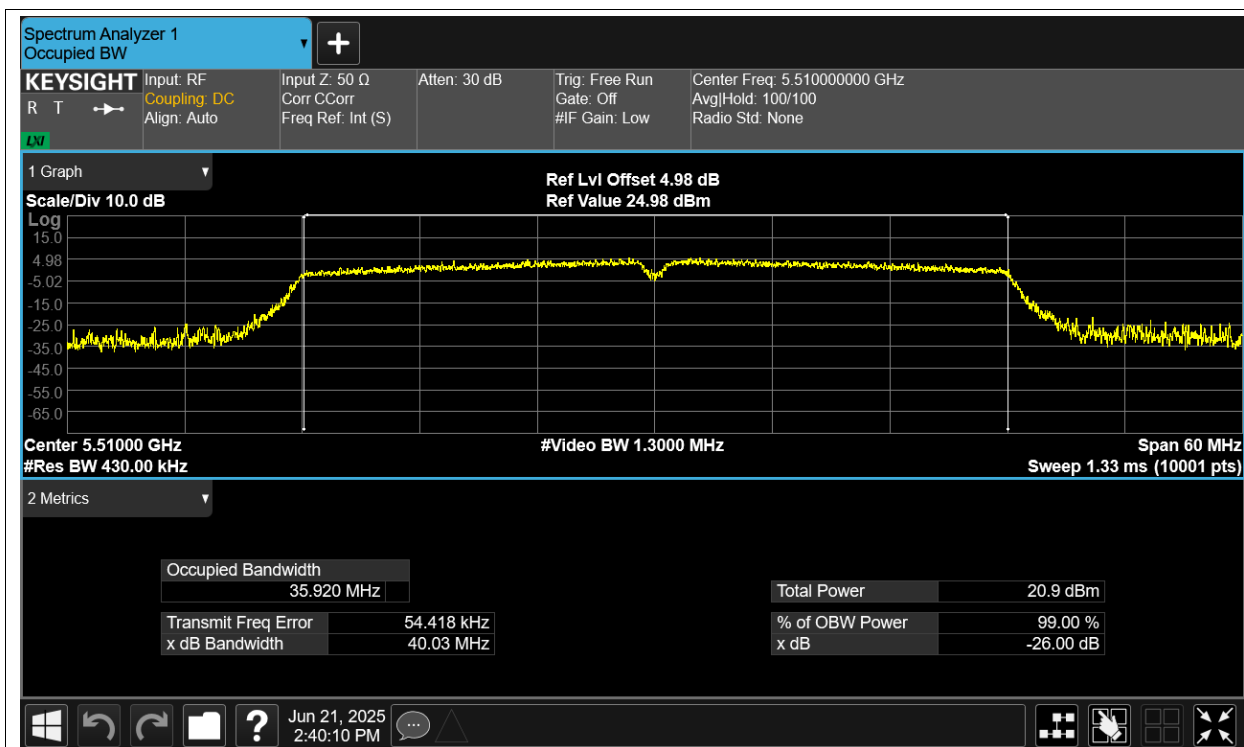
OBW NVNT ac20 5600MHz Ant14



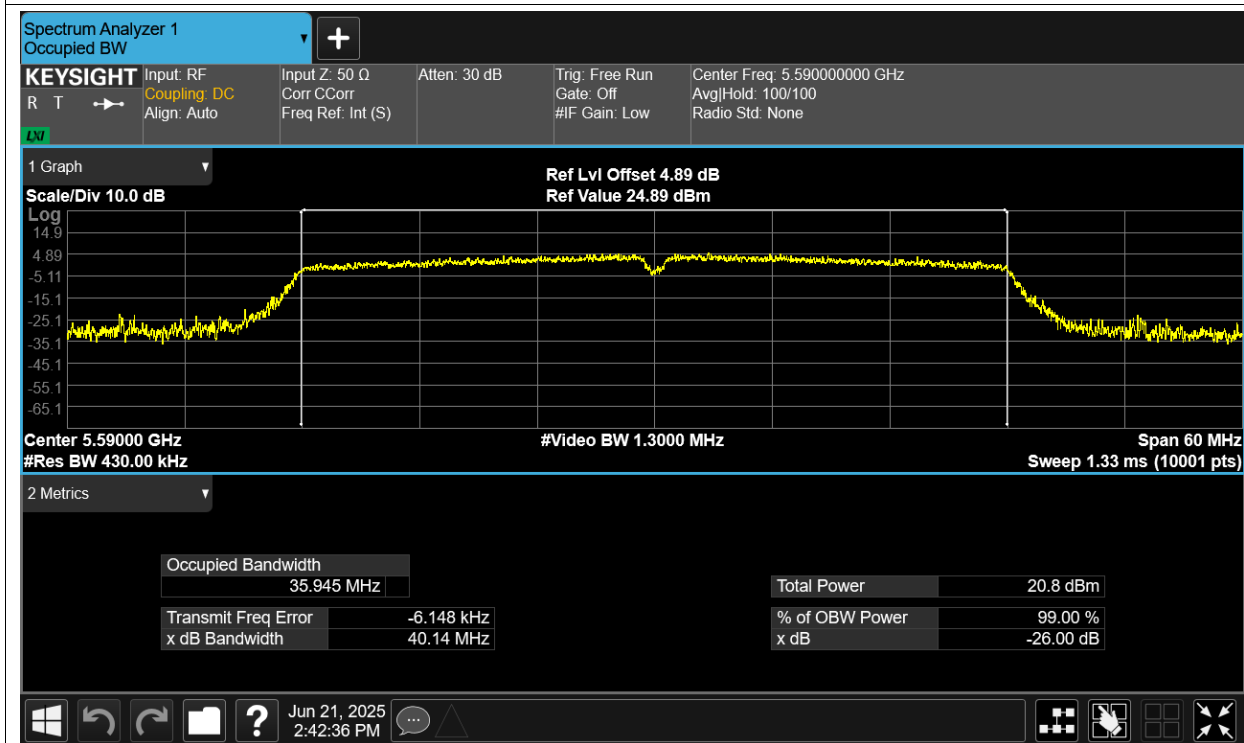
OBW NVNT ac20 5700MHz Ant14



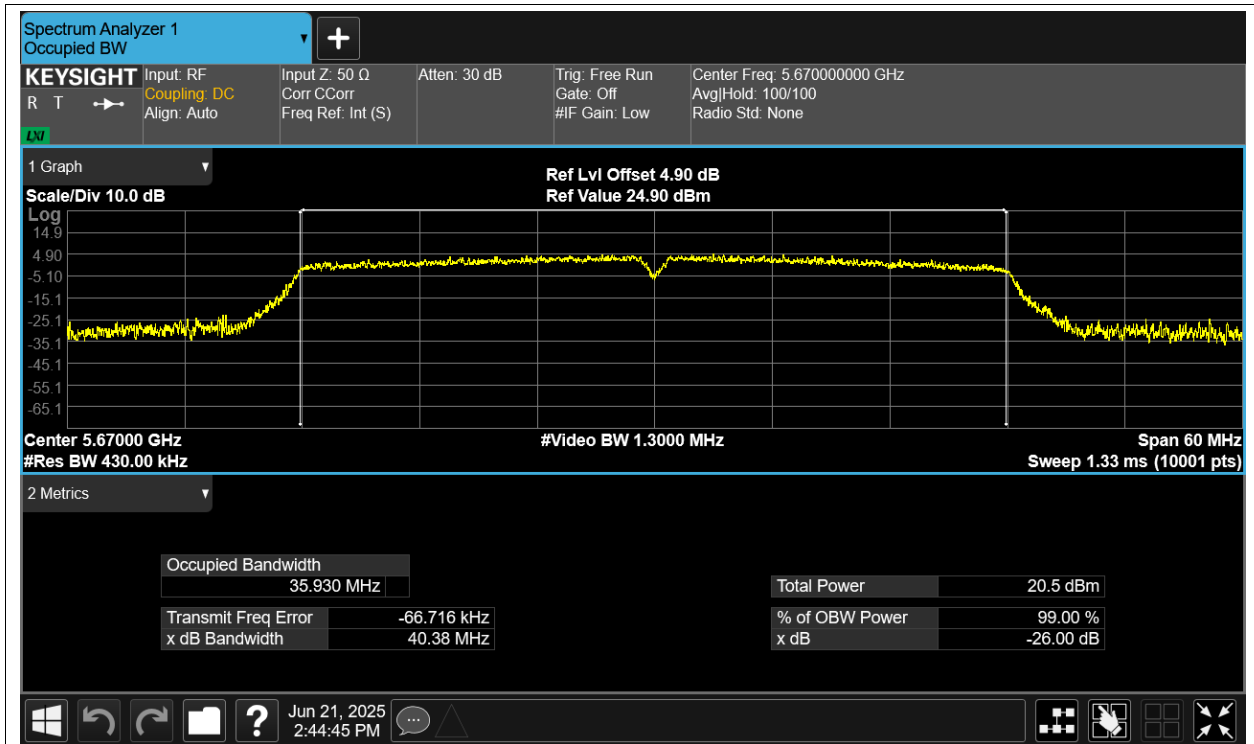
OBW NVNT ac40 5510MHz Ant14



OBW NVNT ac40 5590MHz Ant14



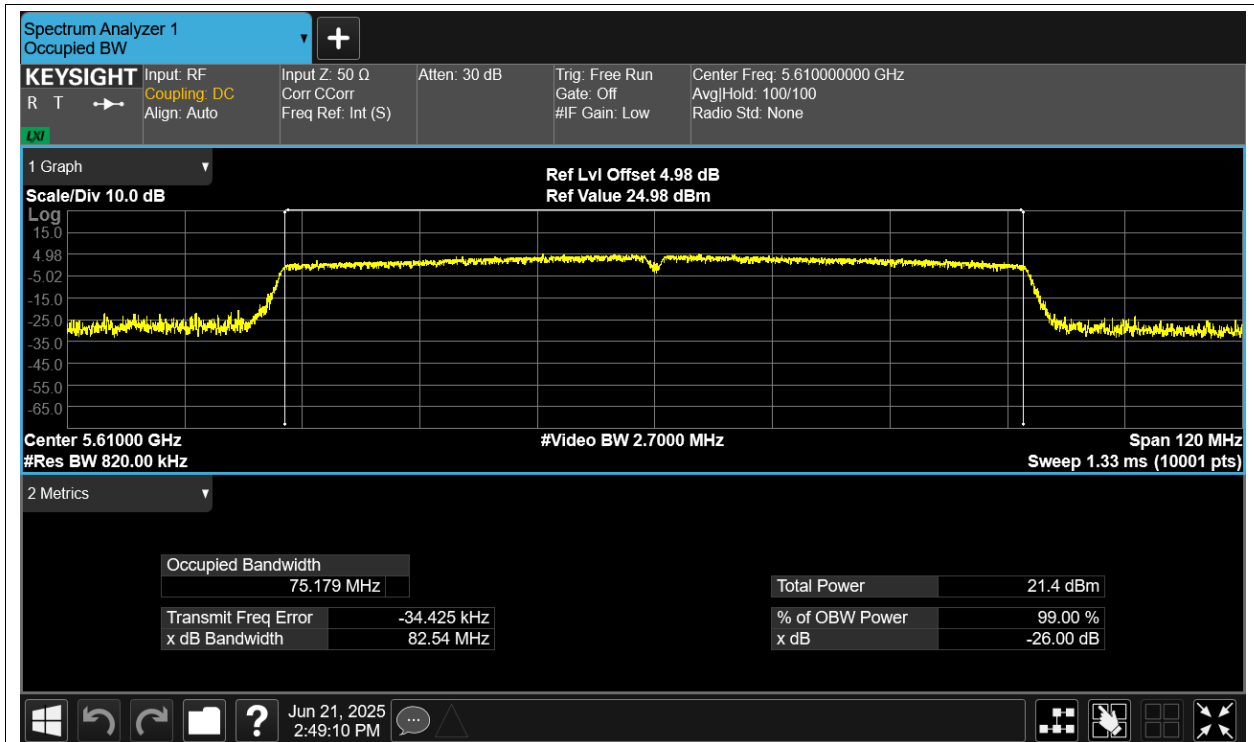
OBW NVNT ac40 5670MHz Ant14



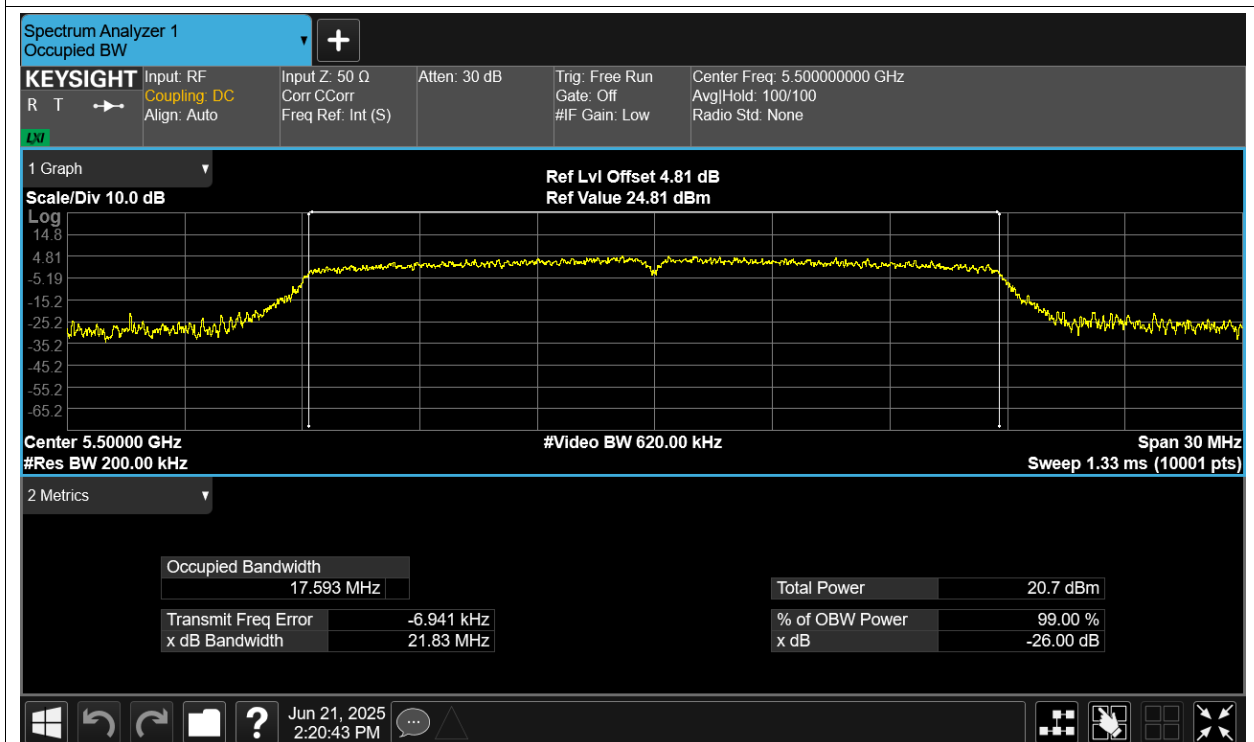
OBW NVNT ac80 5530MHz Ant14



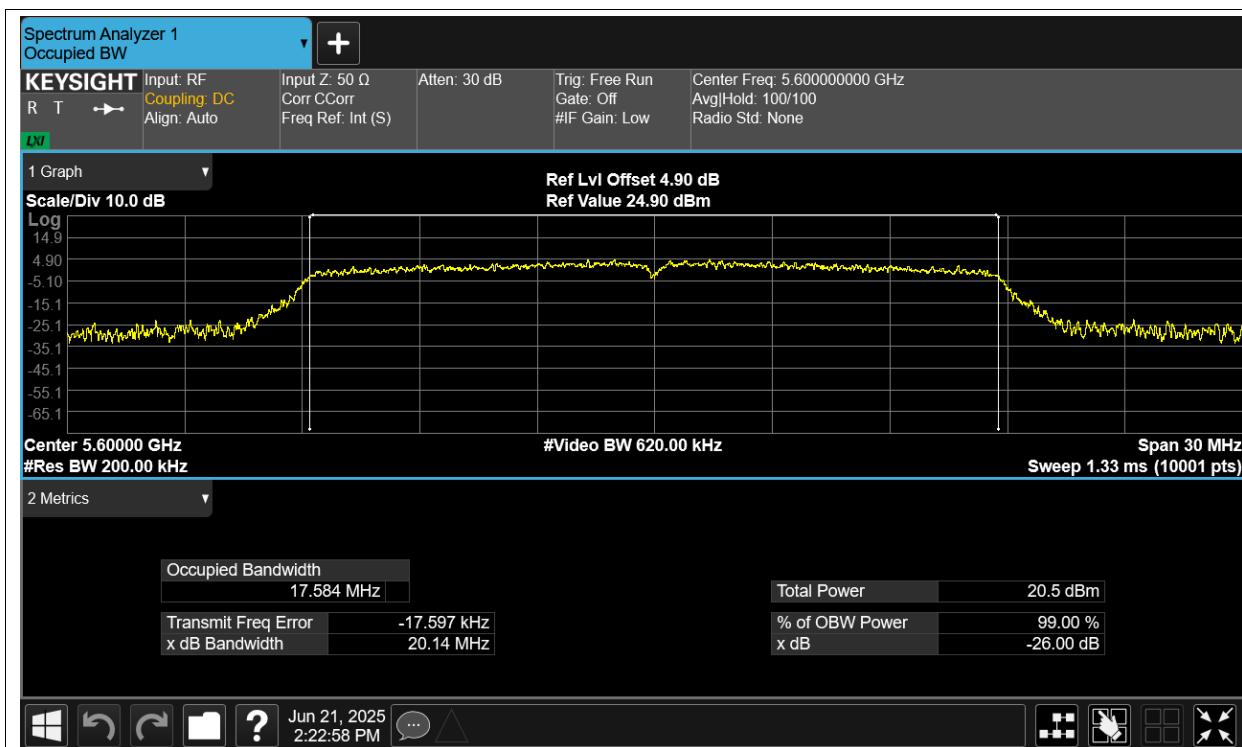
OBW NVNT ac80 5610MHz Ant14



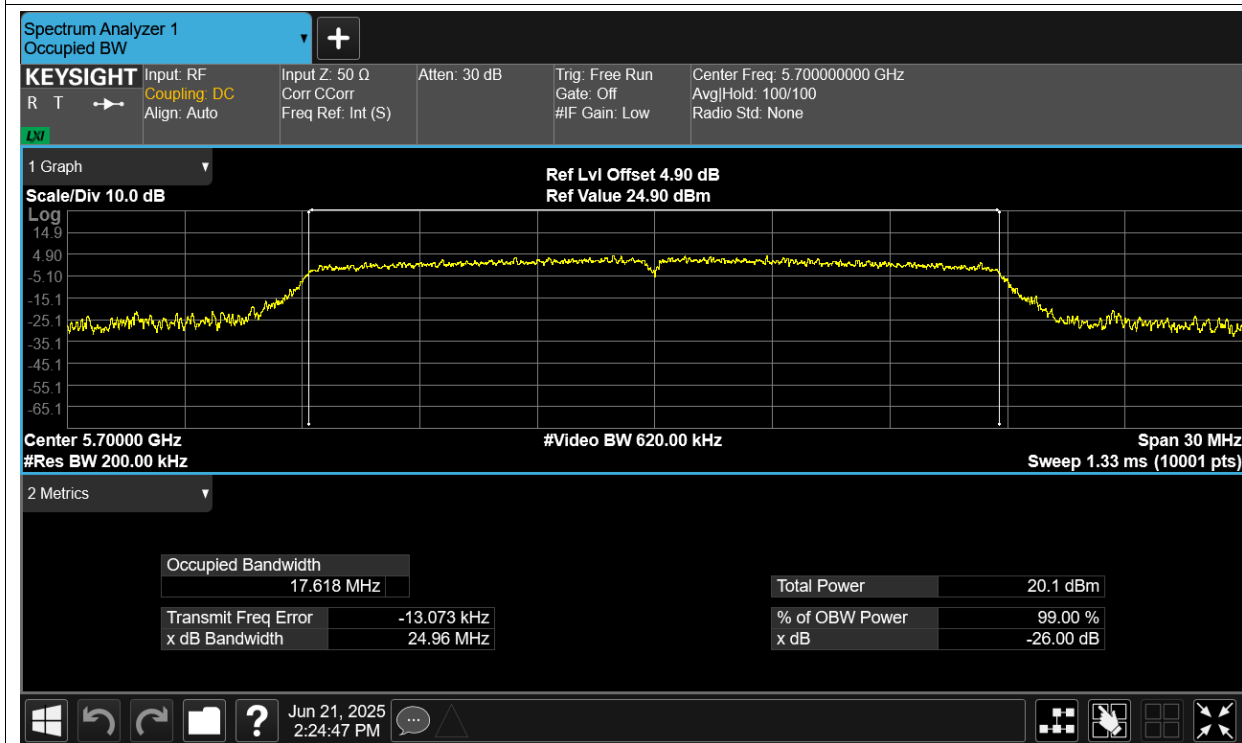
OBW NVNT n20 5500MHz Ant14



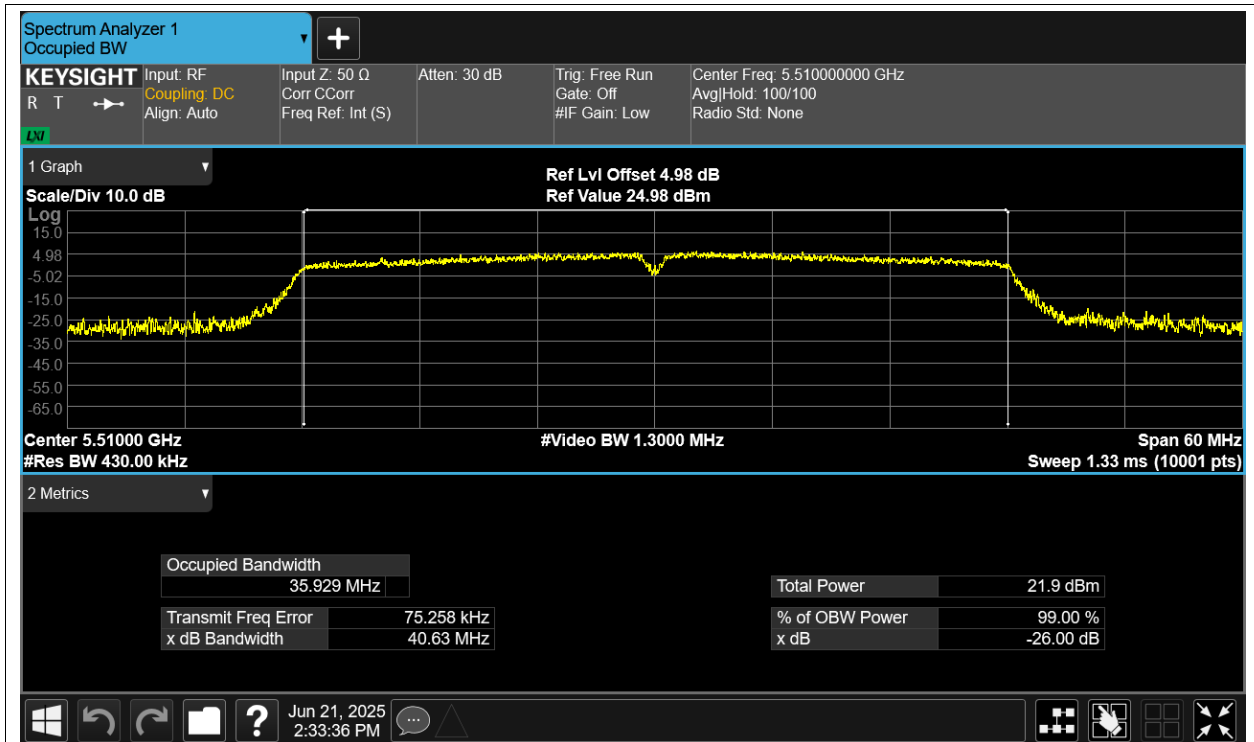
OBW NVNT n20 5600MHz Ant14



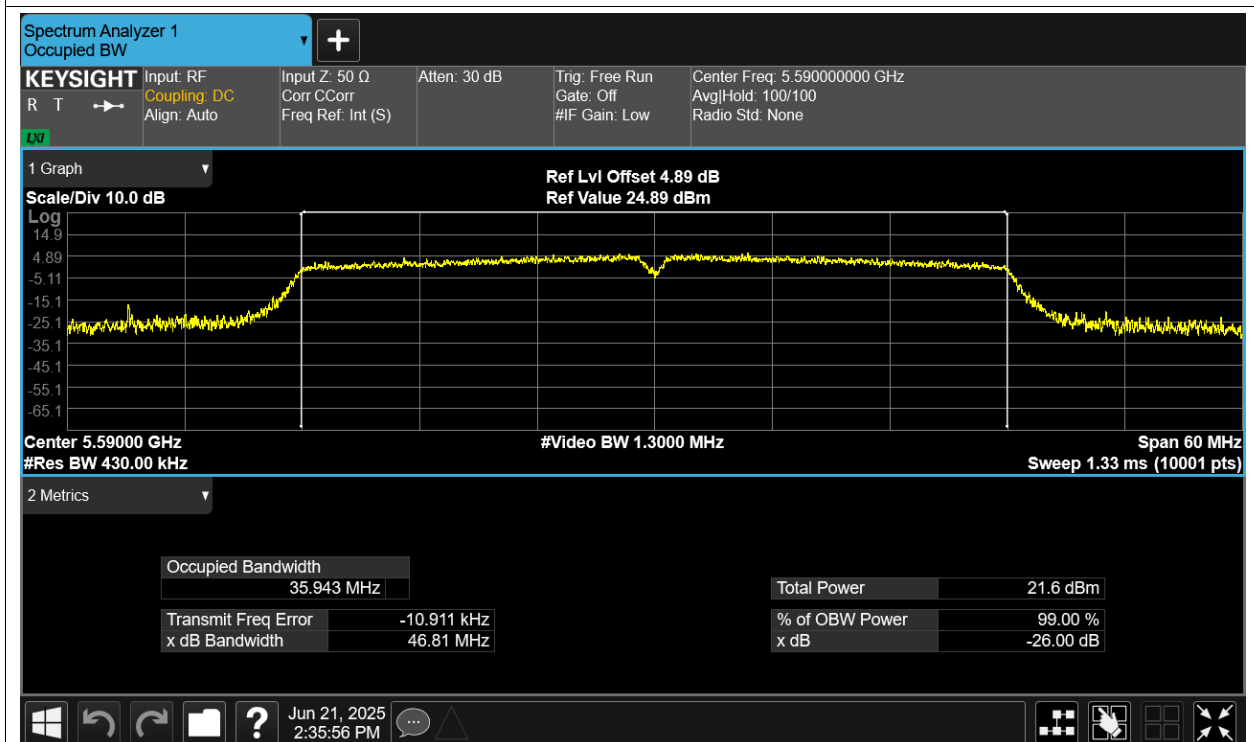
OBW NVNT n20 5700MHz Ant14



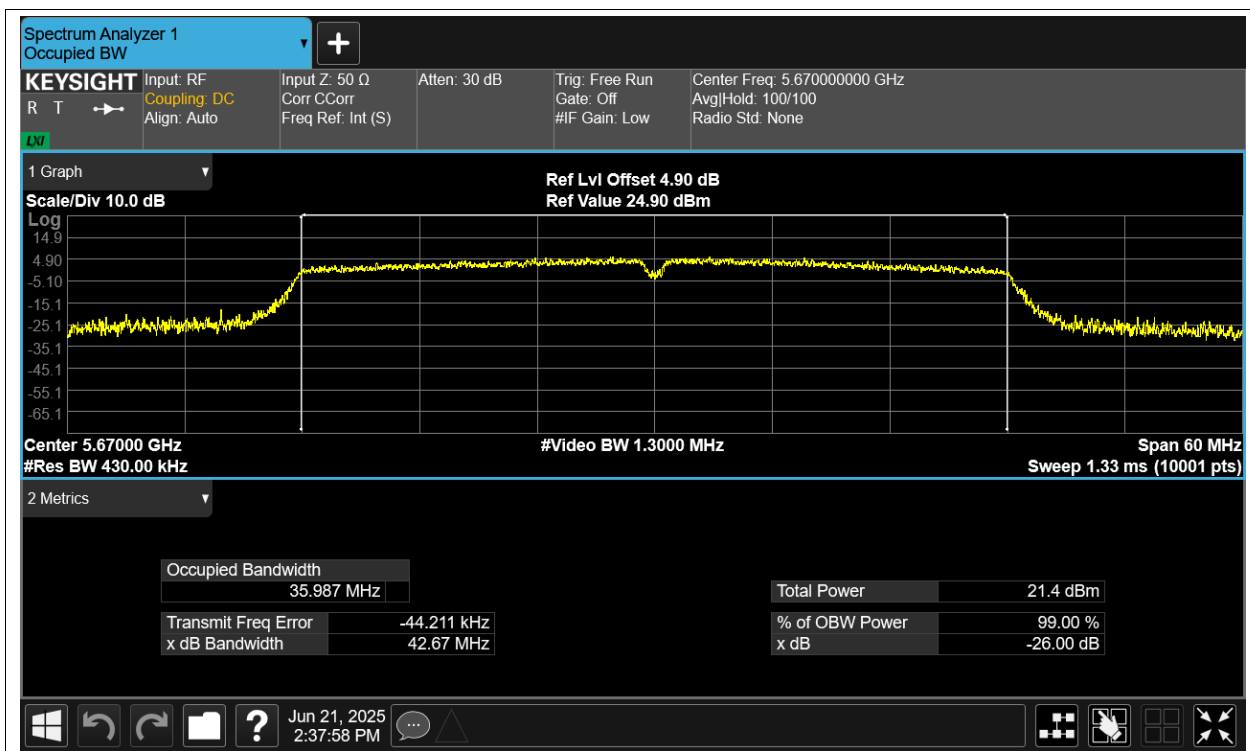
OBW NVNT n40 5510MHz Ant14



OBW NVNT n40 5590MHz Ant14



OBW NVNT n40 5670MHz Ant14



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant14	5.8	11	Pass
NVNT	a	5600	Ant14	6.041	11	Pass
NVNT	a	5700	Ant14	5.376	11	Pass
NVNT	ac20	5500	Ant14	4.362	11	Pass
NVNT	ac20	5600	Ant14	4.488	11	Pass
NVNT	ac20	5700	Ant14	3.904	11	Pass
NVNT	ac40	5510	Ant14	1.989	11	Pass
NVNT	ac40	5590	Ant14	1.231	11	Pass
NVNT	ac40	5670	Ant14	1.018	11	Pass
NVNT	ac80	5530	Ant14	-2.713	11	Pass
NVNT	ac80	5610	Ant14	-3.012	11	Pass
NVNT	n20	5500	Ant14	5.47	11	Pass
NVNT	n20	5600	Ant14	5.338	11	Pass
NVNT	n20	5700	Ant14	5.382	11	Pass
NVNT	n40	5510	Ant14	1.675	11	Pass
NVNT	n40	5590	Ant14	1.239	11	Pass
NVNT	n40	5670	Ant14	1.469	11	Pass

Test Graphs

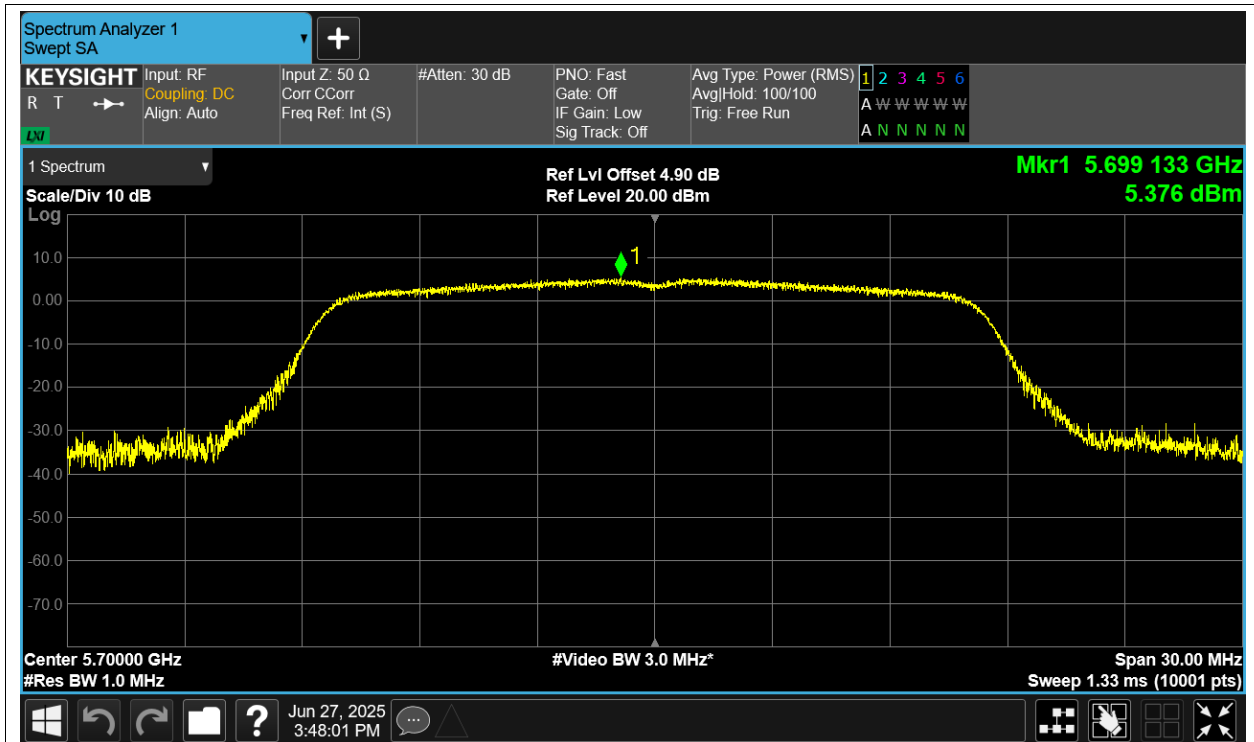
PSD NVNT a 5500MHz Ant14



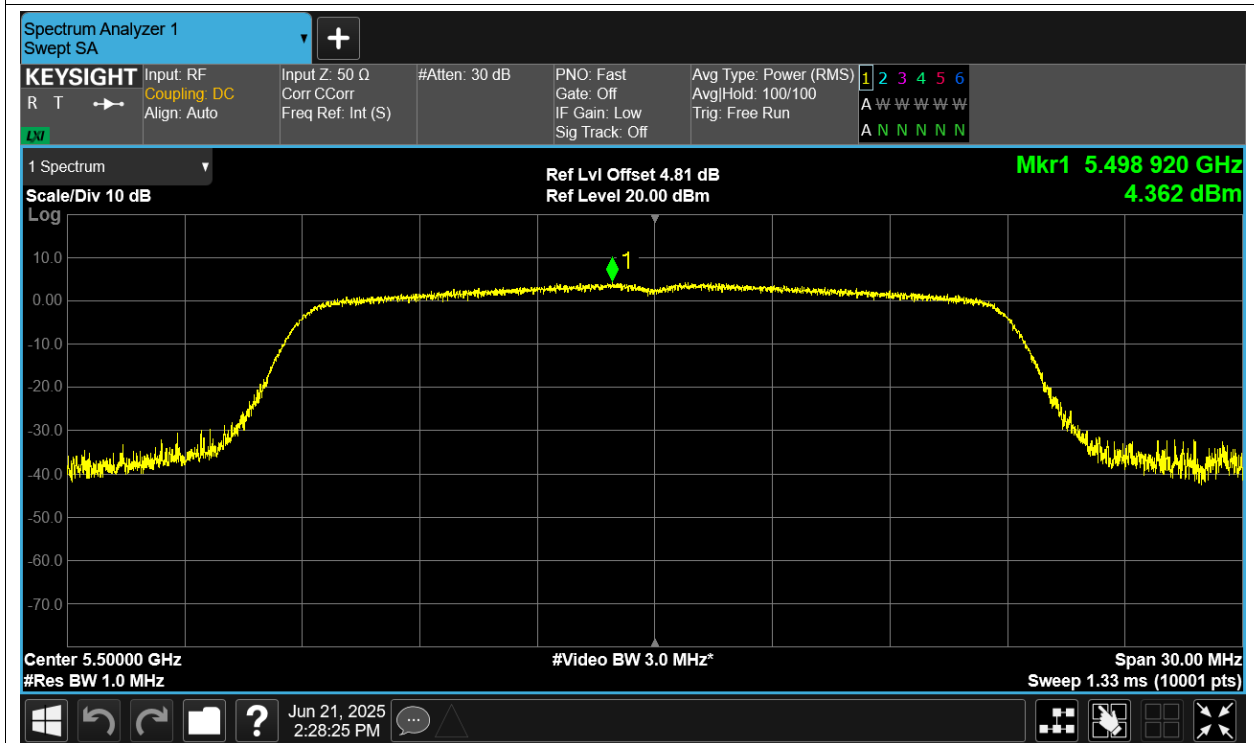
PSD NVNT a 5600MHz Ant14



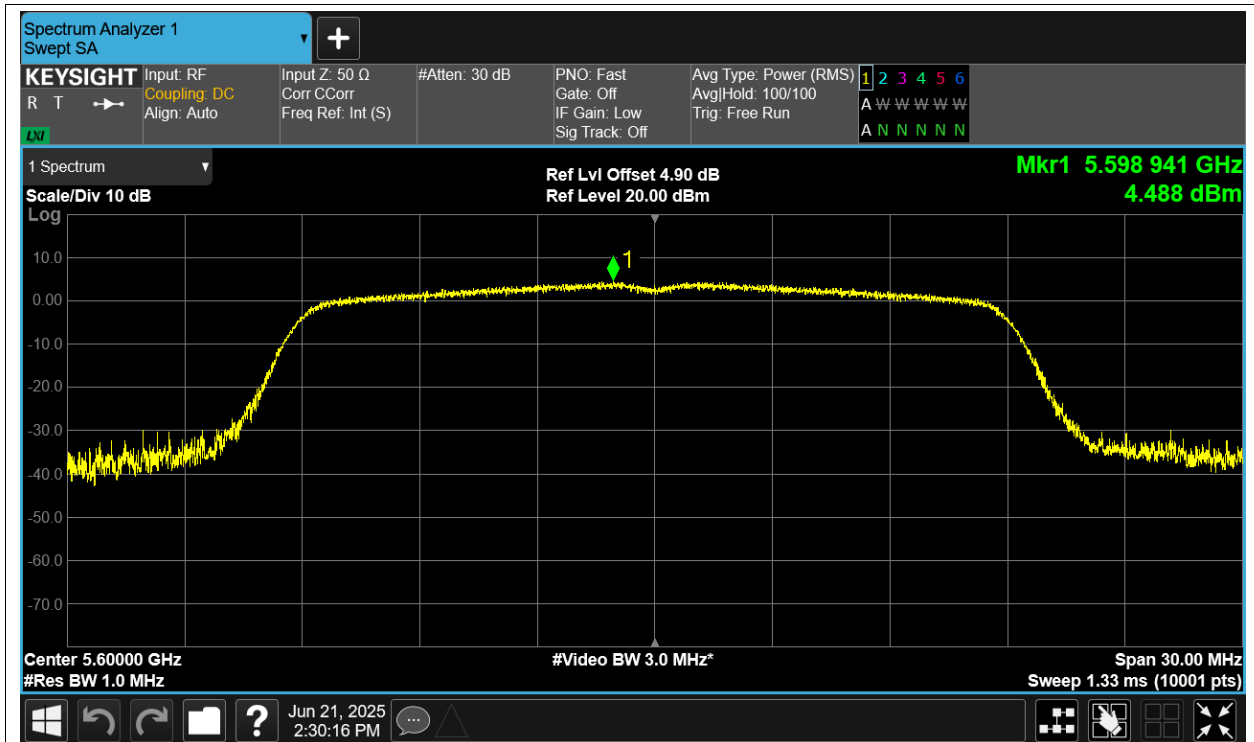
PSD NVNT a 5700MHz Ant14



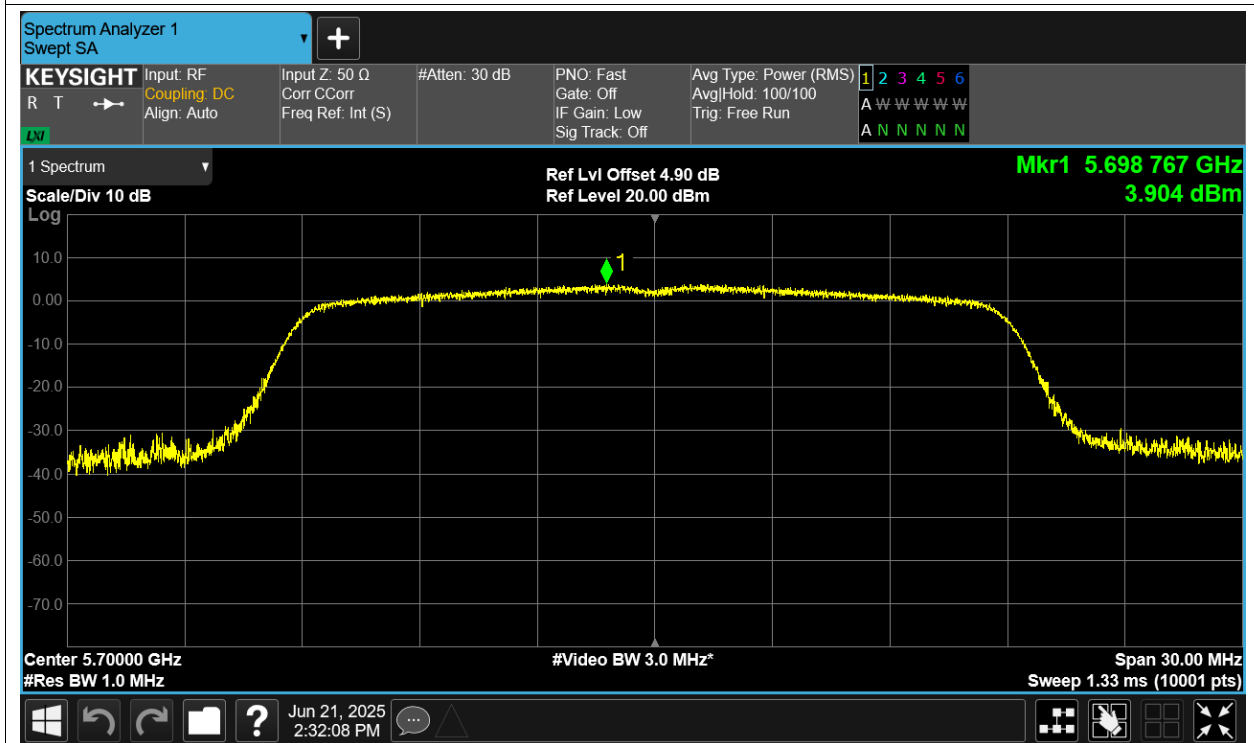
PSD NVNT ac20 5500MHz Ant14



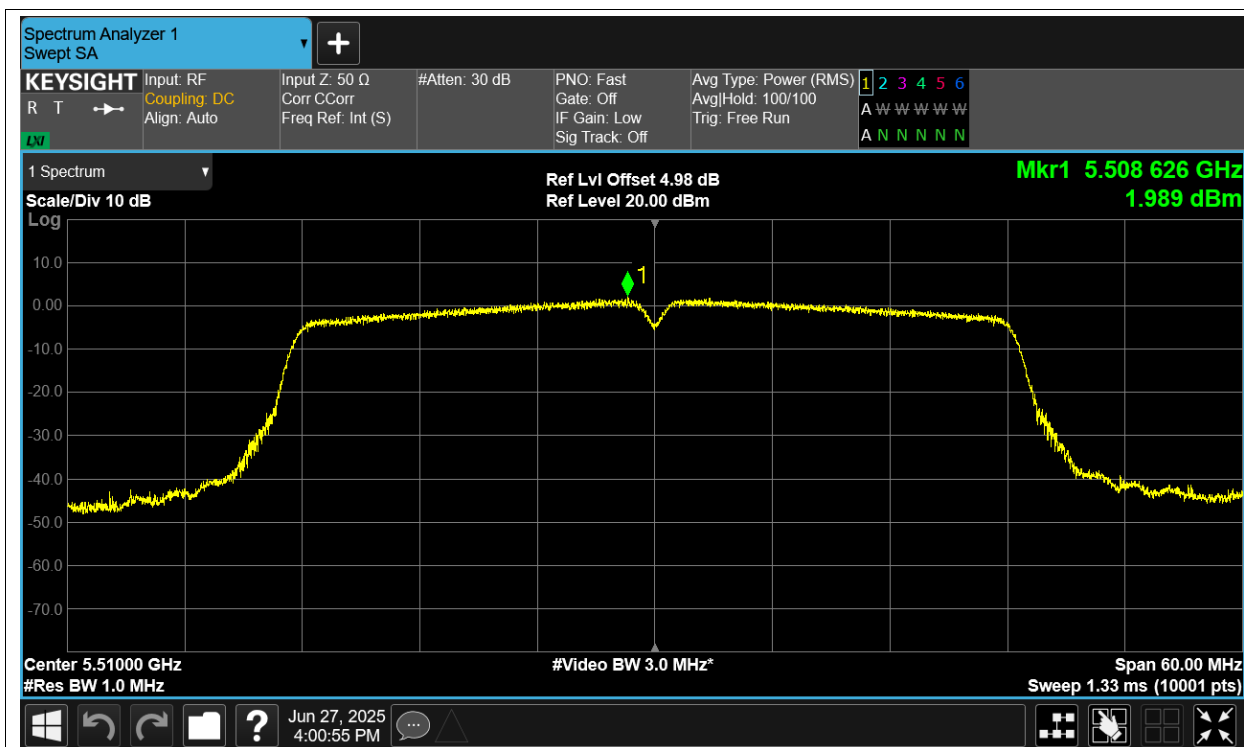
PSD NVNT ac20 5600MHz Ant14



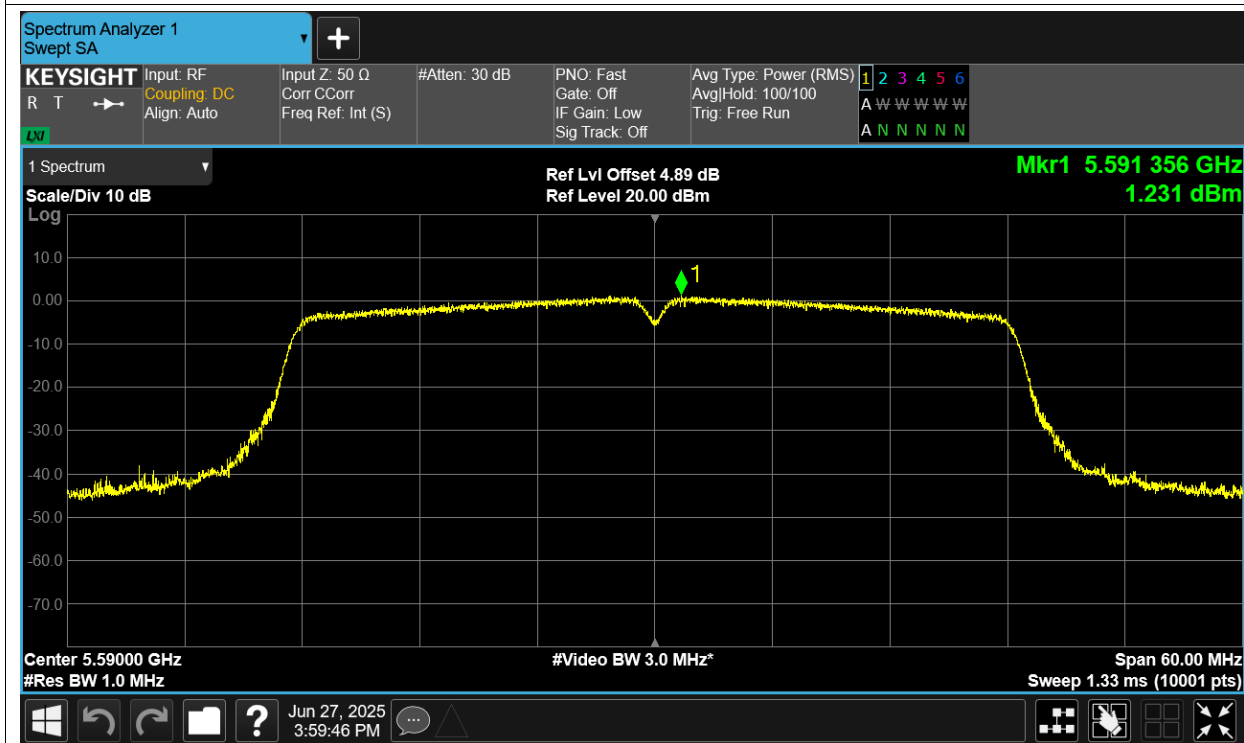
PSD NVNT ac20 5700MHz Ant14



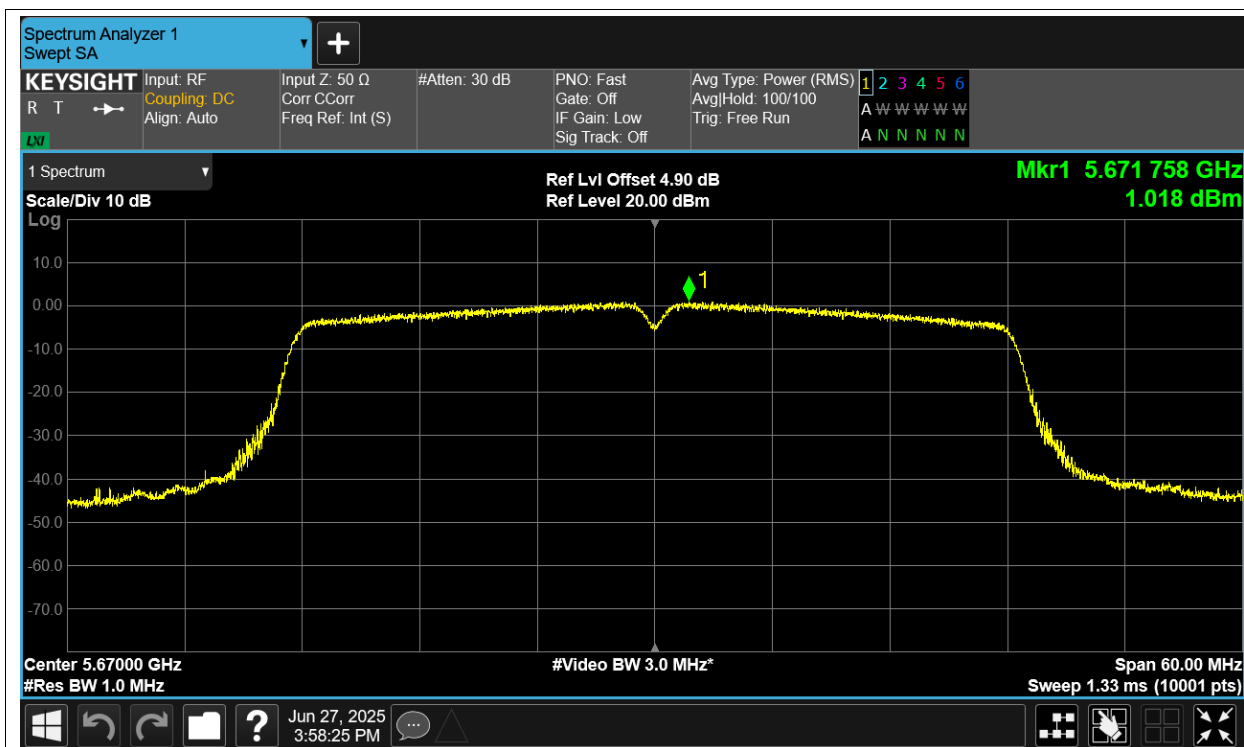
PSD NVNT ac40 5510MHz Ant14



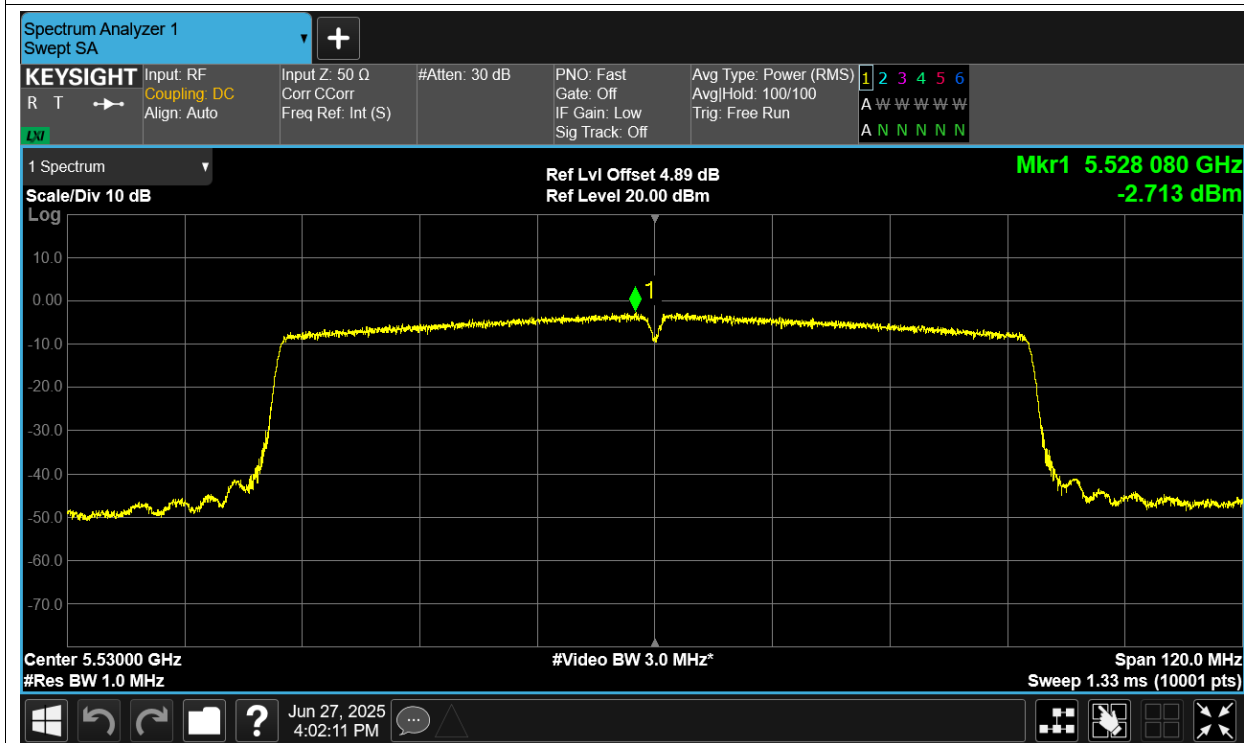
PSD NVNT ac40 5590MHz Ant14



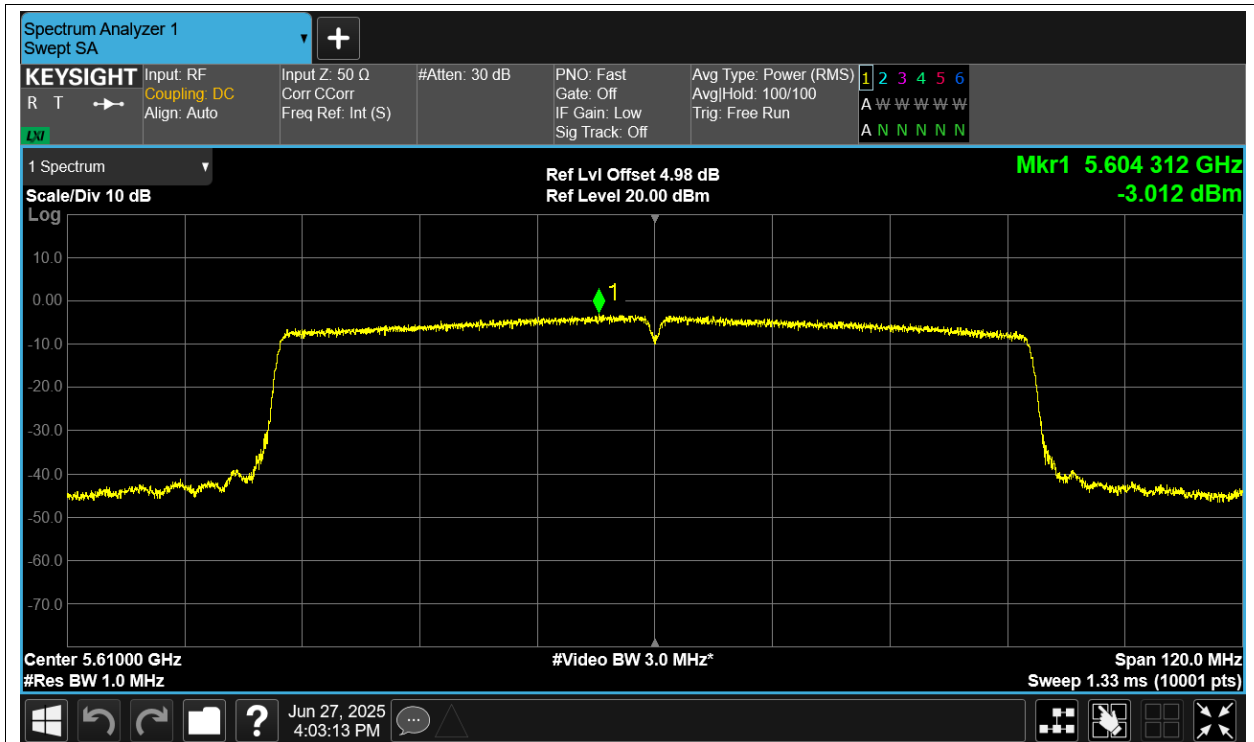
PSD NVNT ac40 5670MHz Ant14



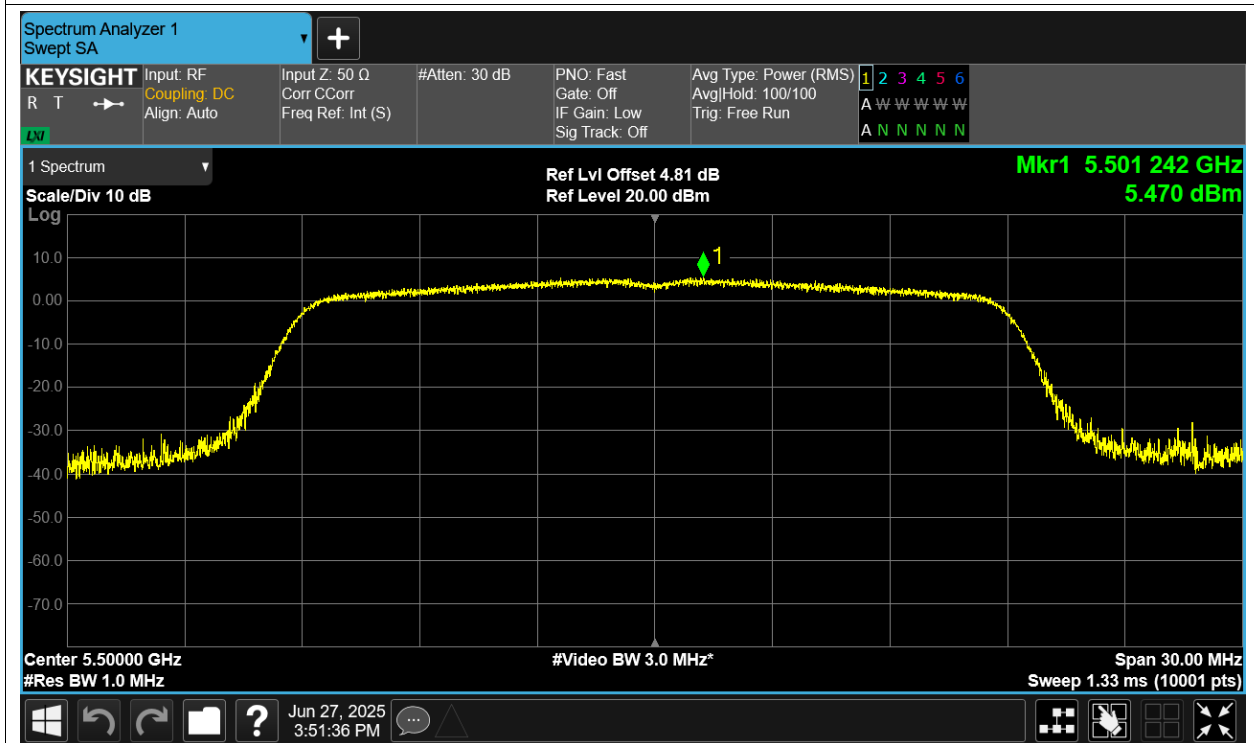
PSD NVNT ac80 5530MHz Ant14



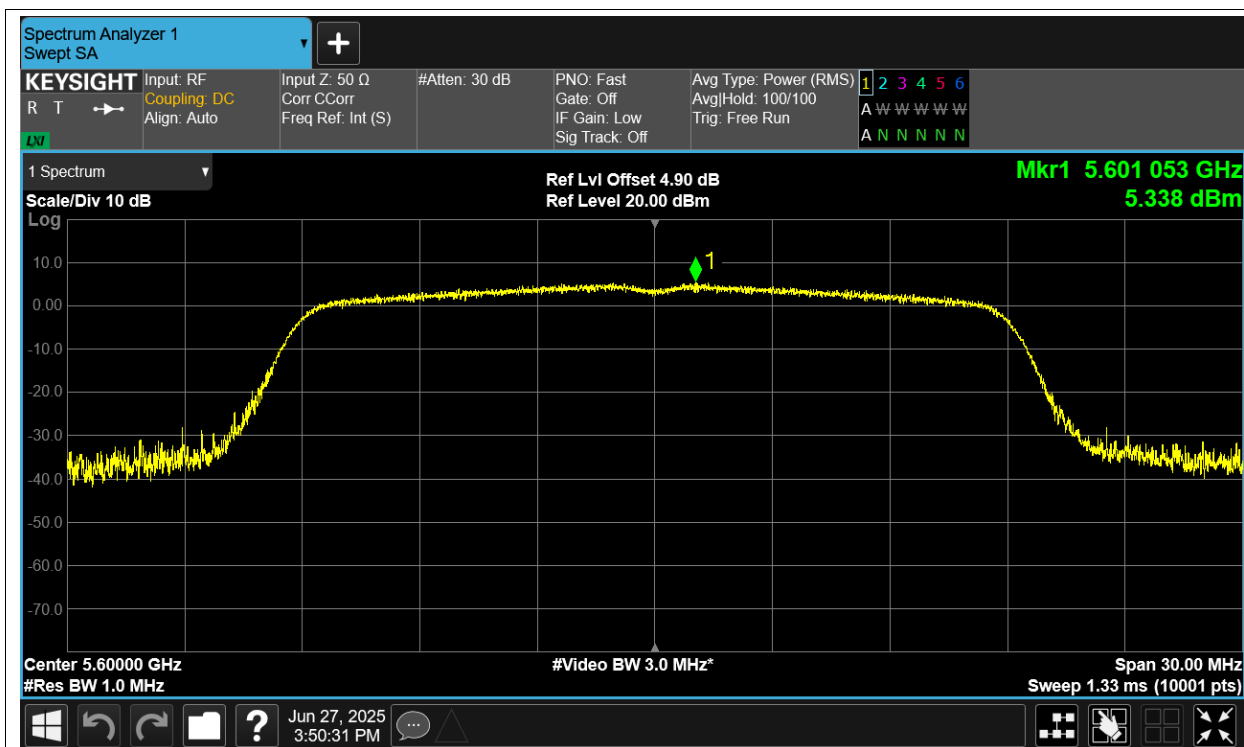
PSD NVNT ac80 5610MHz Ant14



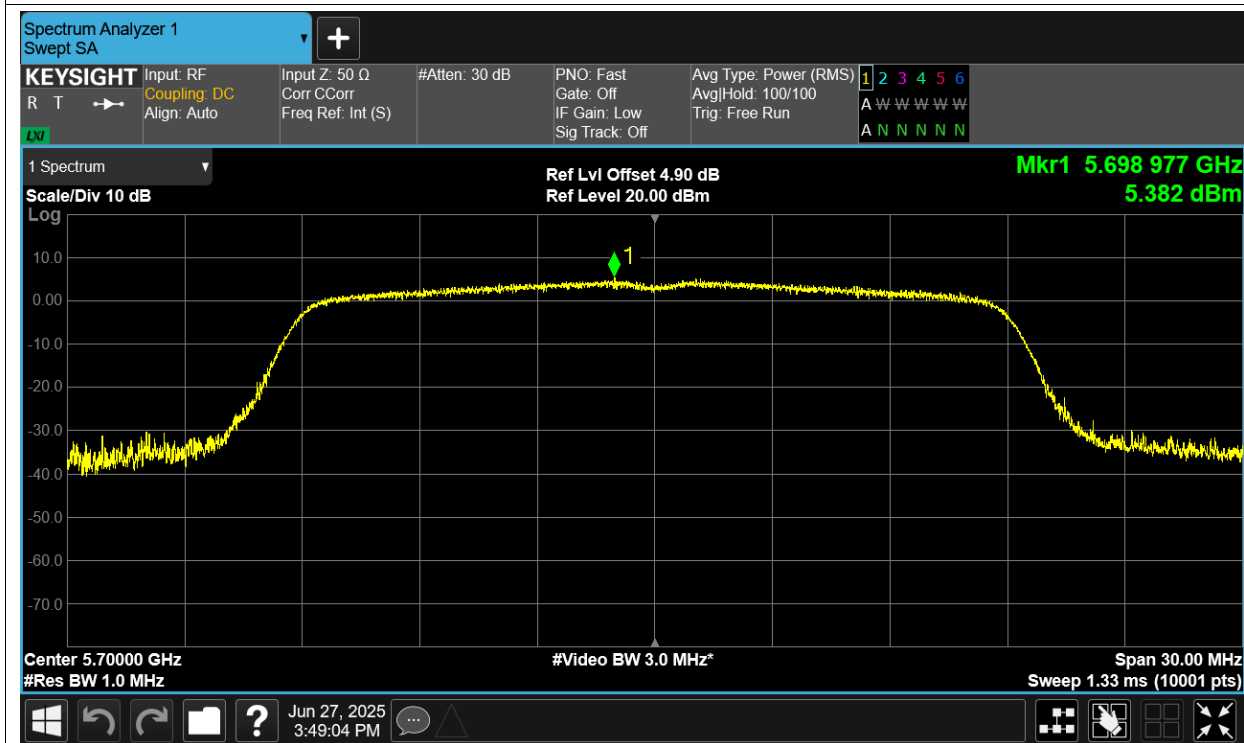
PSD NVNT n20 5500MHz Ant14



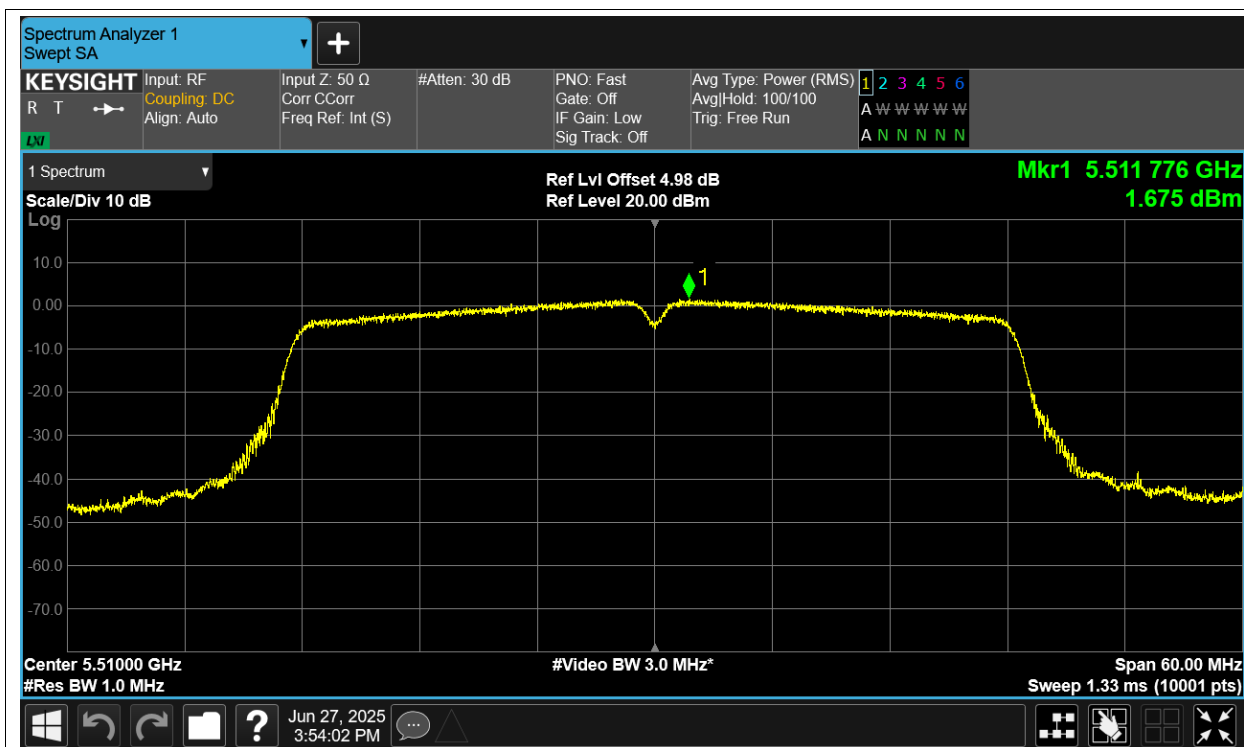
PSD NVNT n20 5600MHz Ant14



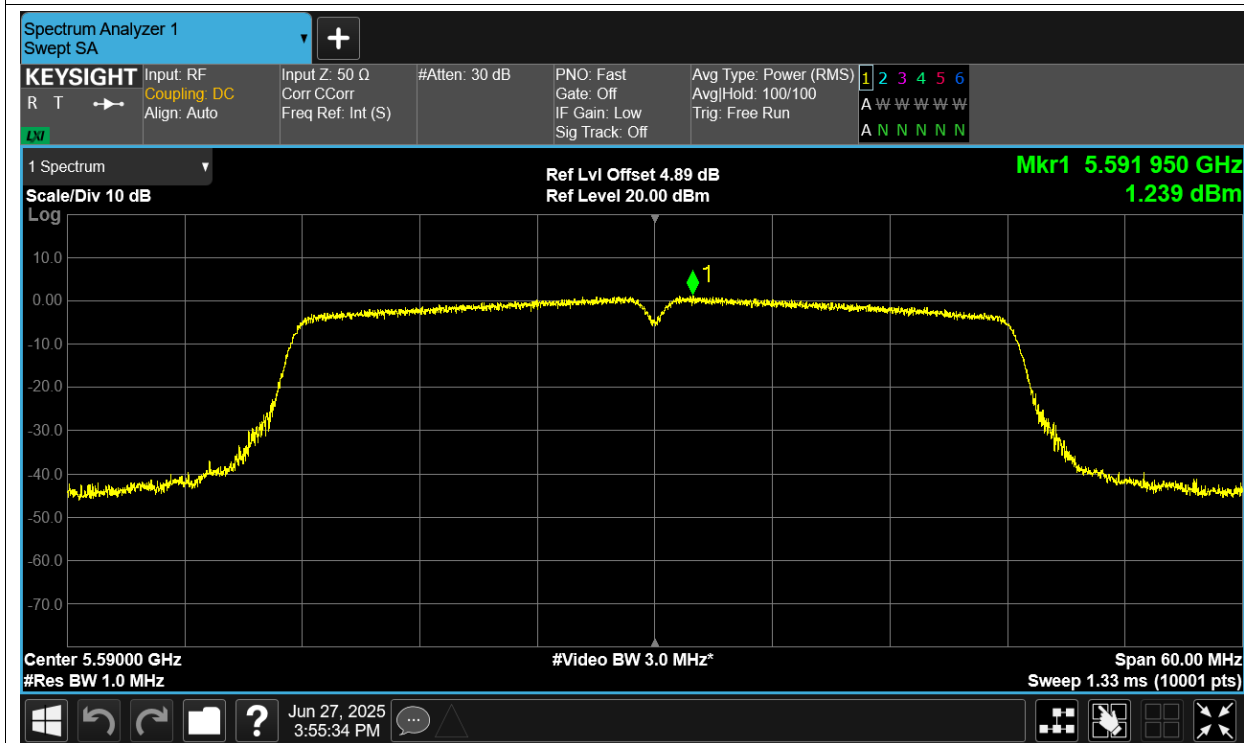
PSD NVNT n20 5700MHz Ant14



PSD NVNT n40 5510MHz Ant14



PSD NVNT n40 5590MHz Ant14



PSD NVNT n40 5670MHz Ant14

