

Test Data

Frequency Stability

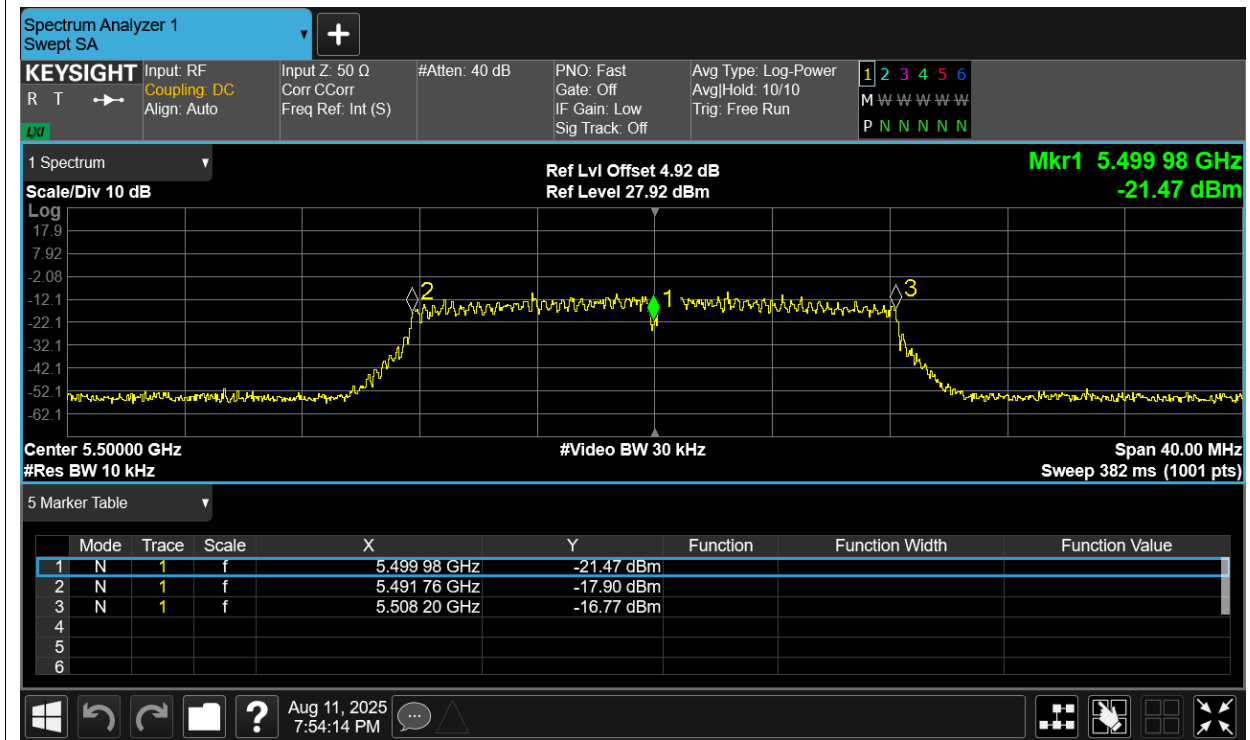
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant1	5499.98	-3.64	Within authorized band	Pass
LVNT	a	5500	Ant1	5499.98	-3.64		Pass
NVHT	a	5500	Ant1	5499.94	-10.91		Pass
NVLT	a	5500	Ant1	5499.96	-7.27		Pass
NVNT	a	5500	Ant1	5499.98	-3.64		Pass

Remark:

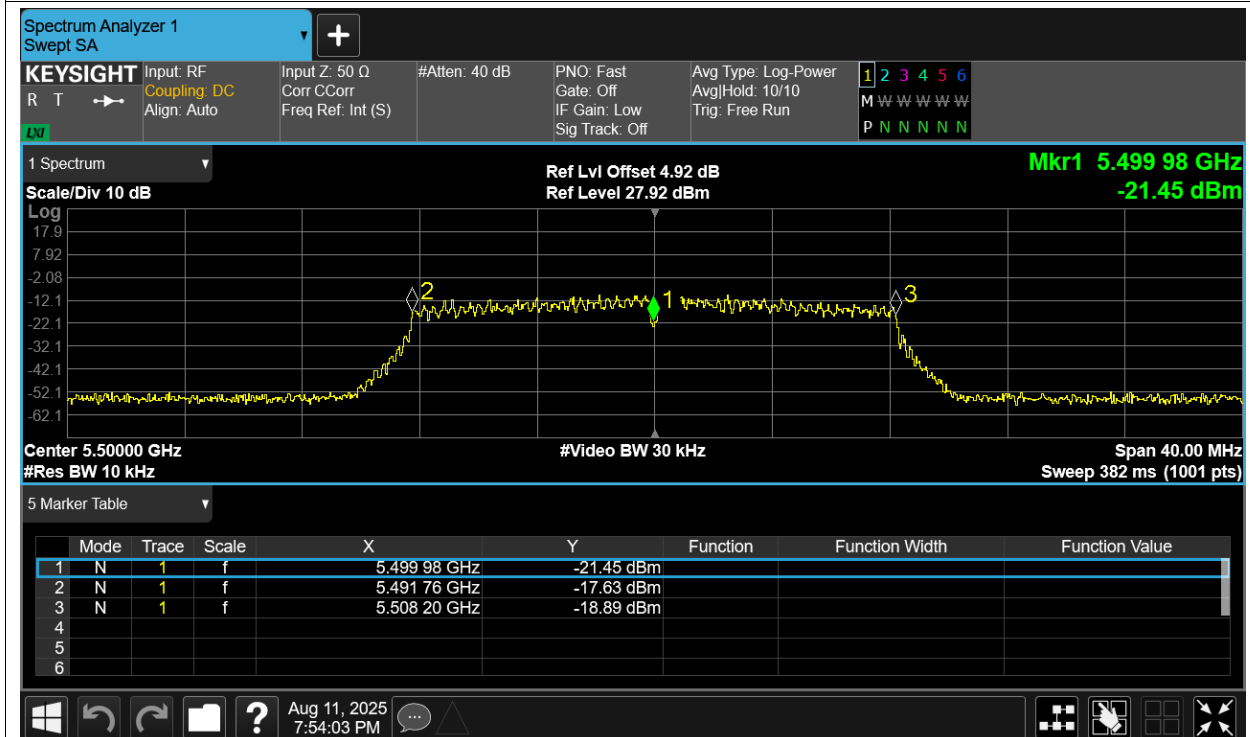
- “NTNV” means Normal Temperature Normal Voltage, “NVHT” means Normal Voltage High Temperature, “NVLT” means Normal Voltage Low Temperature, “LVNT” means Low Voltage Normal Temperature, “HVNT” means High Voltage Normal Temperature.
- Pre-scan 802.11a, n, ac, ax modulation mode, found 5.2GHz Wi-Fi ANT0 802.11a modulation was worse case mode. only reflects the test data of worst mode

Test Graphs

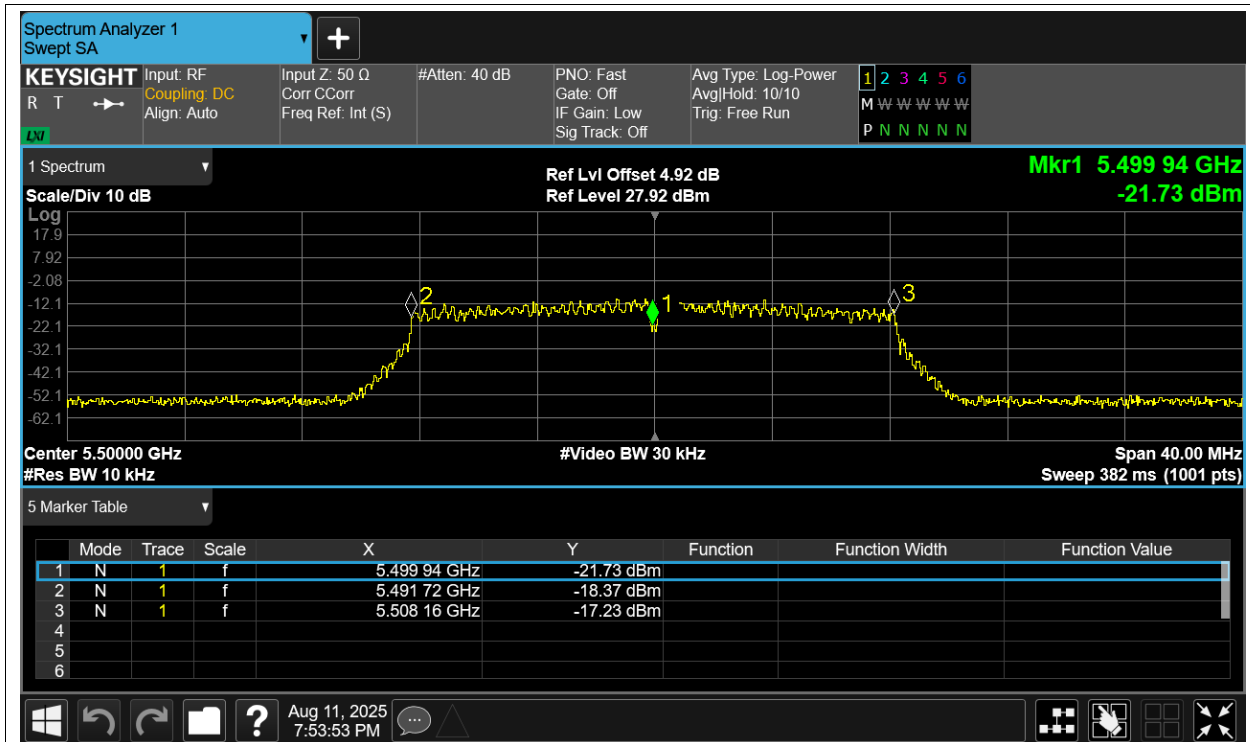
Freq. Stability HVNT a 5500MHz Ant1



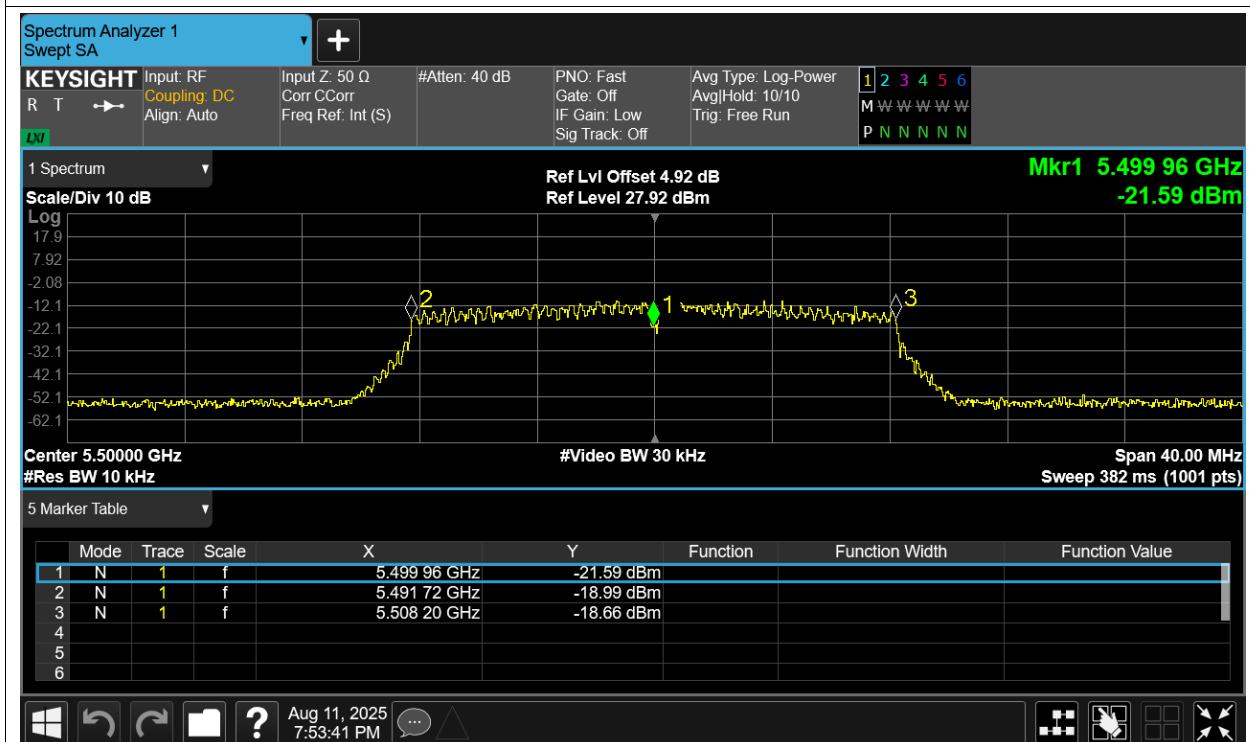
Freq. Stability LVNT a 5500MHz Ant1



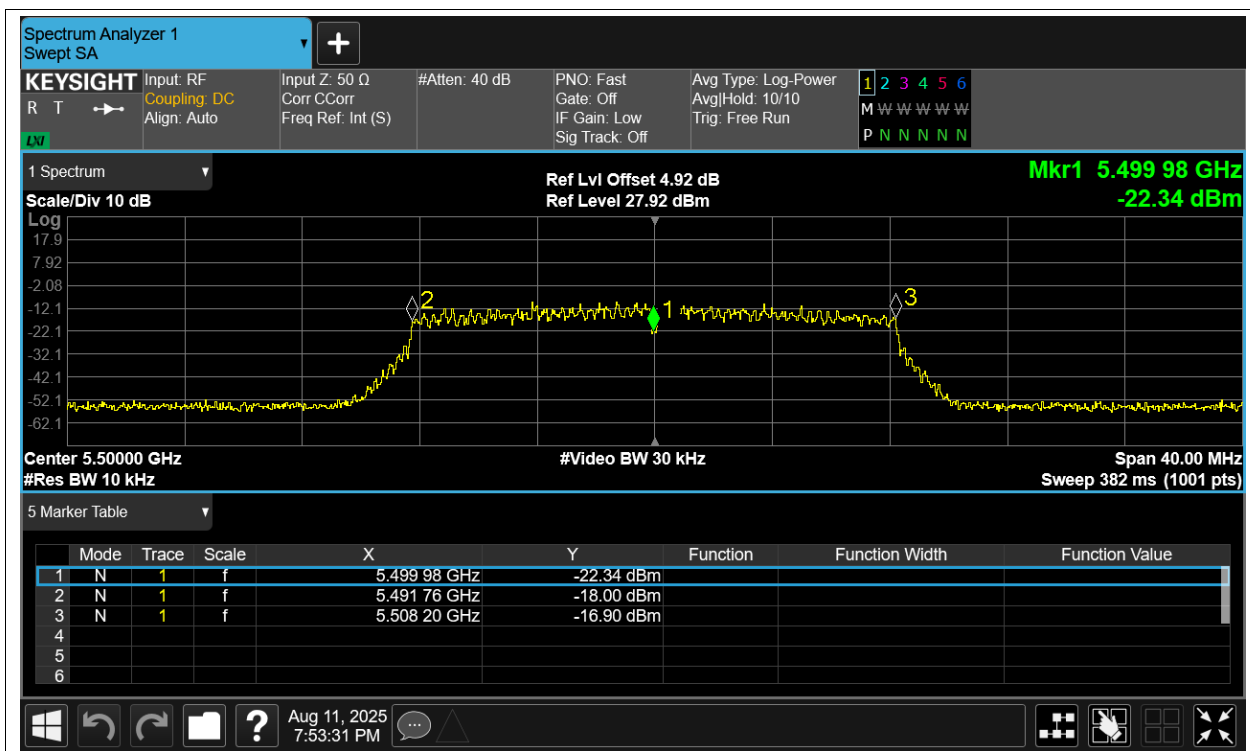
Freq. Stability NVHT a 5500MHz Ant1



Freq. Stability NVLT a 5500MHz Ant1



Freq. Stability NVNT a 5500MHz Ant1

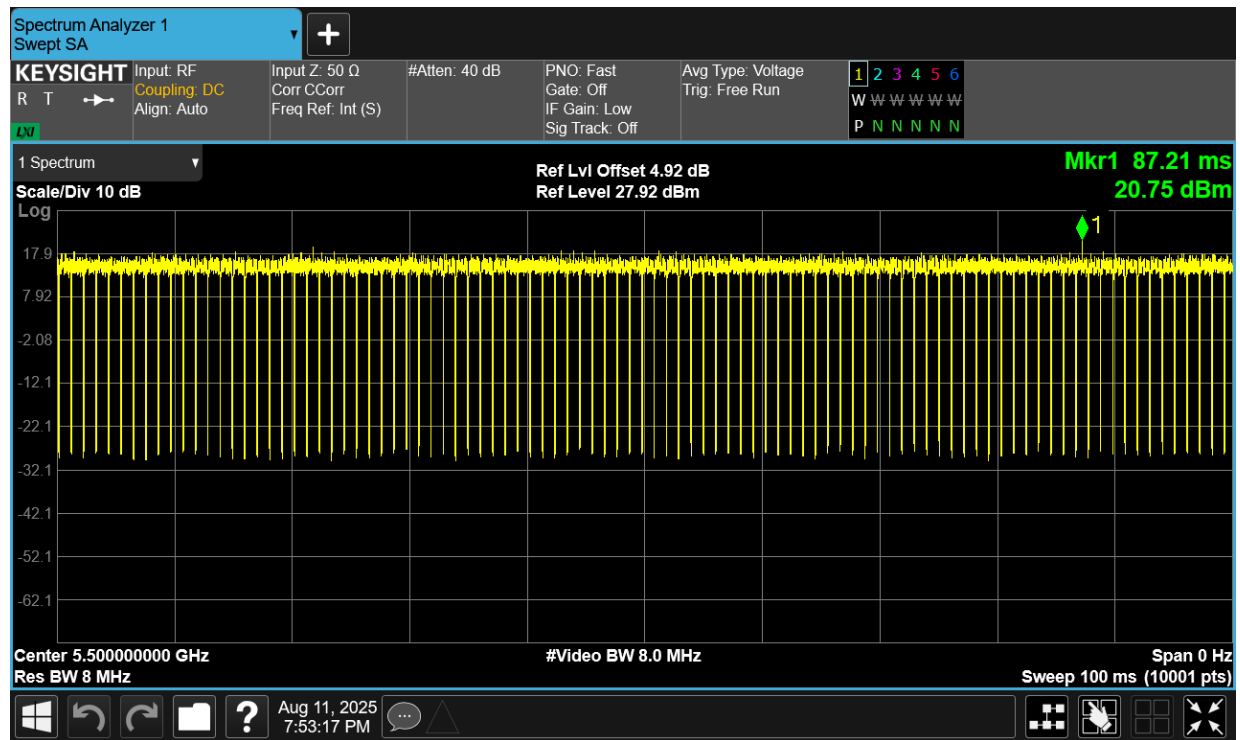


Duty Cycle

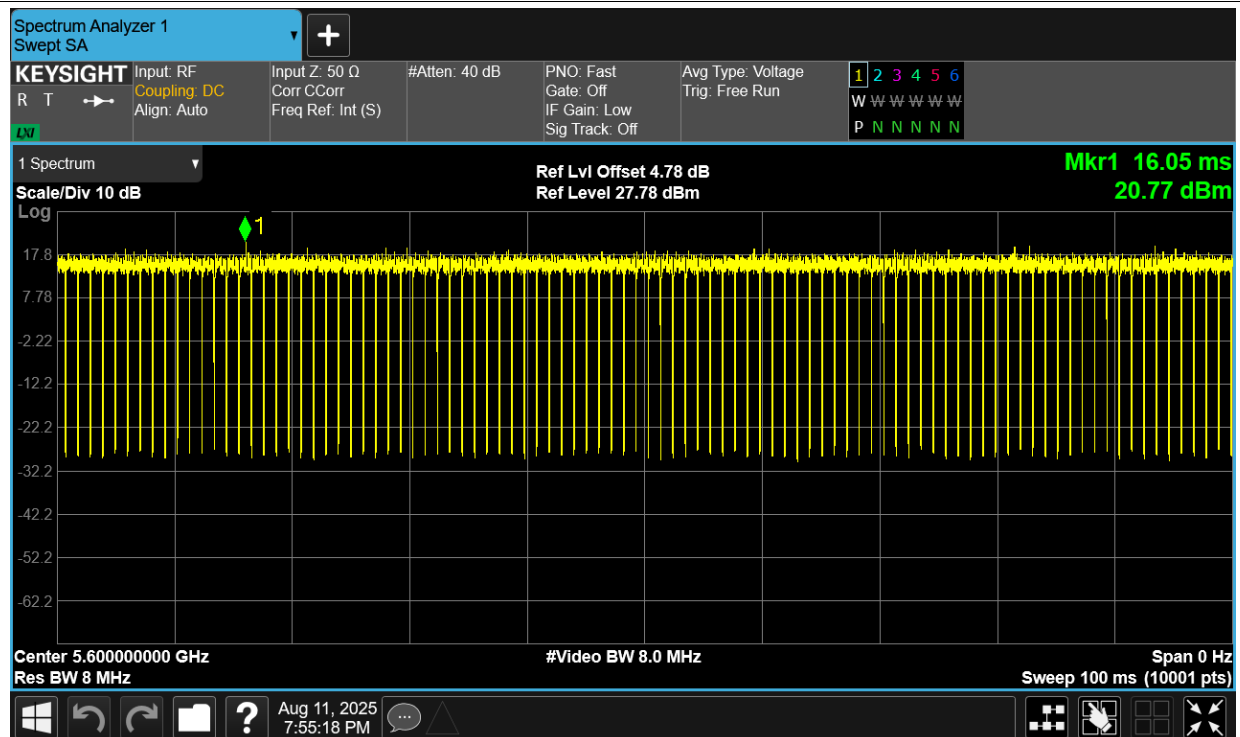
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant1	93.35	0.3
NVNT	a	5600	Ant1	93.83	0.28
NVNT	a	5700	Ant1	93.35	0.3
NVNT	ac20	5500	Ant1	92.87	0.32
NVNT	ac20	5600	Ant1	93.23	0.3
NVNT	ac20	5700	Ant1	92.88	0.32
NVNT	ax20	5500	Ant1	88.6	0.53
NVNT	ax20	5600	Ant1	88.6	0.53
NVNT	ax20	5700	Ant1	88.61	0.53
NVNT	n20	5500	Ant1	92.4	0.34
NVNT	n20	5600	Ant1	92.88	0.32
NVNT	n20	5700	Ant1	92.58	0.33

Test Graphs

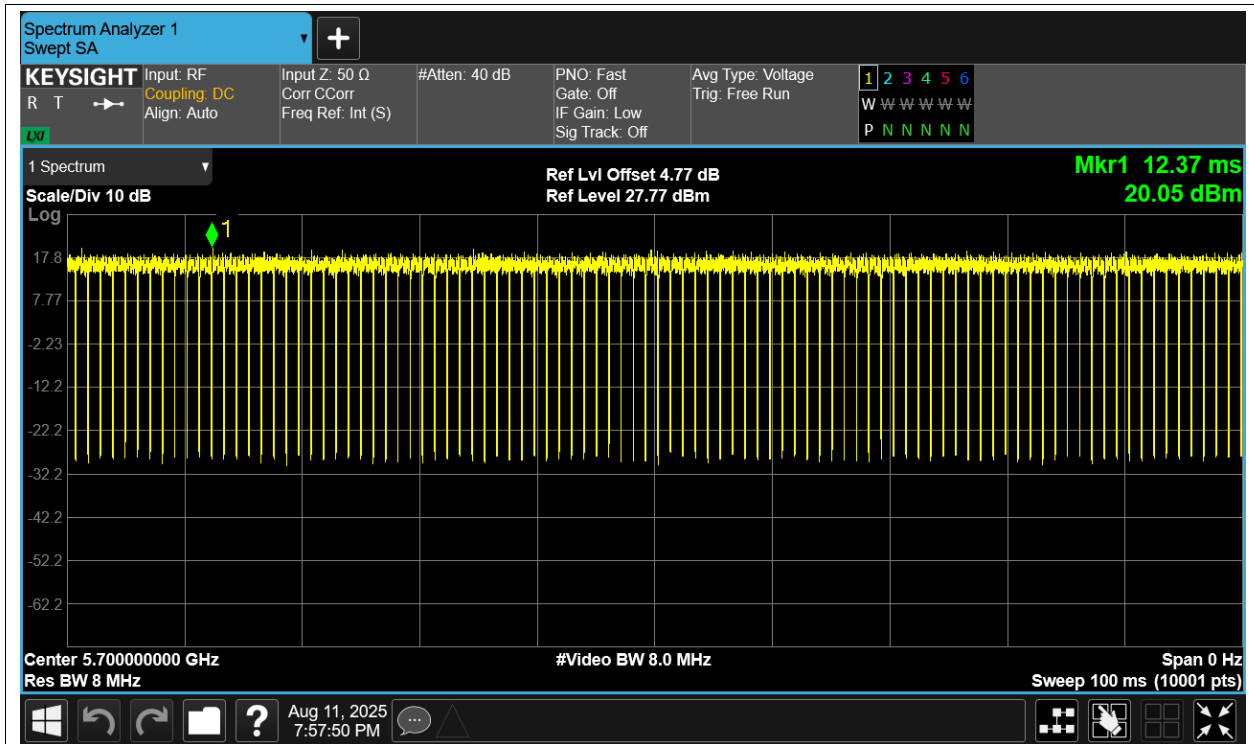
Duty Cycle NVNT a 5500MHz Ant1



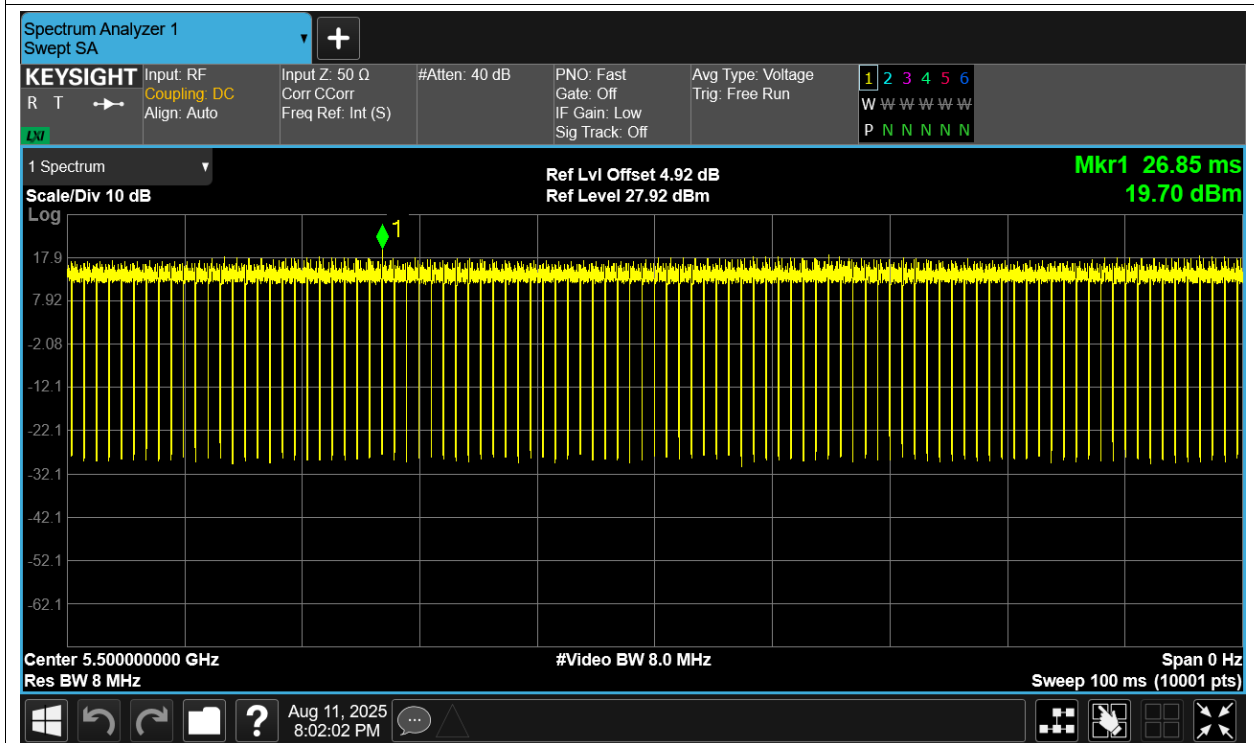
Duty Cycle NVNT a 5600MHz Ant1



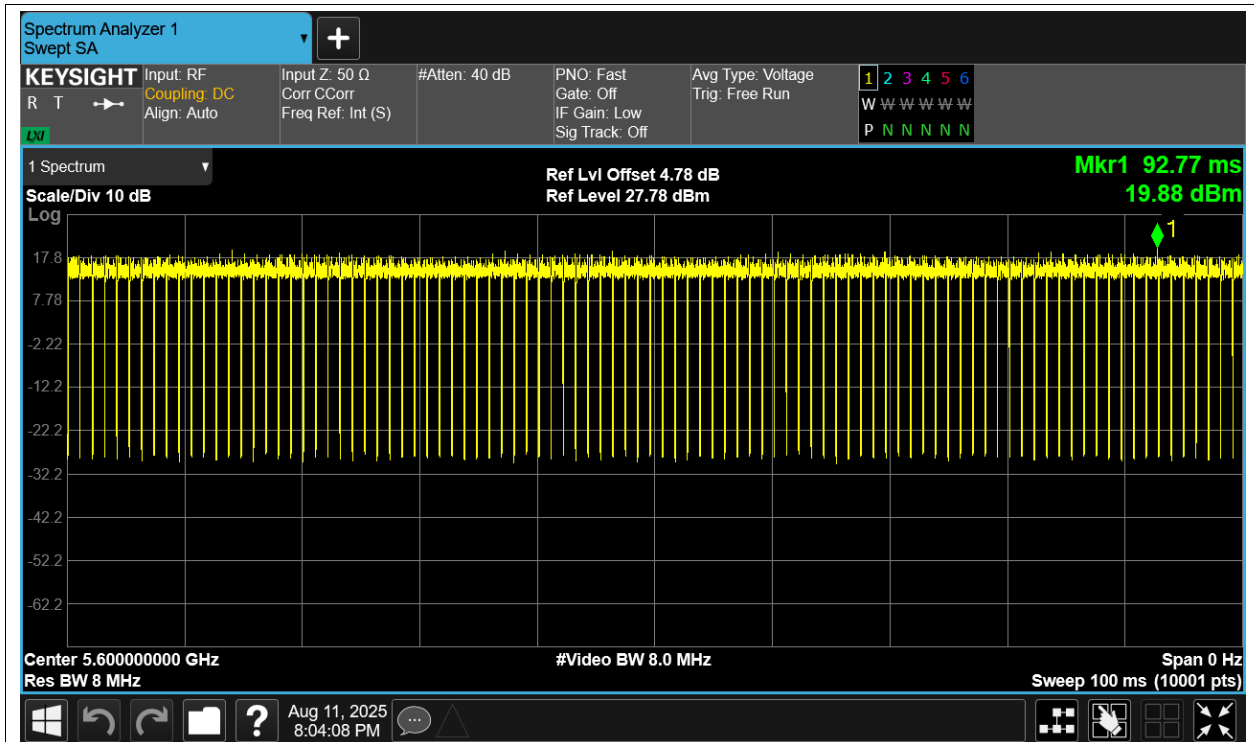
Duty Cycle NVNT a 5700MHz Ant1



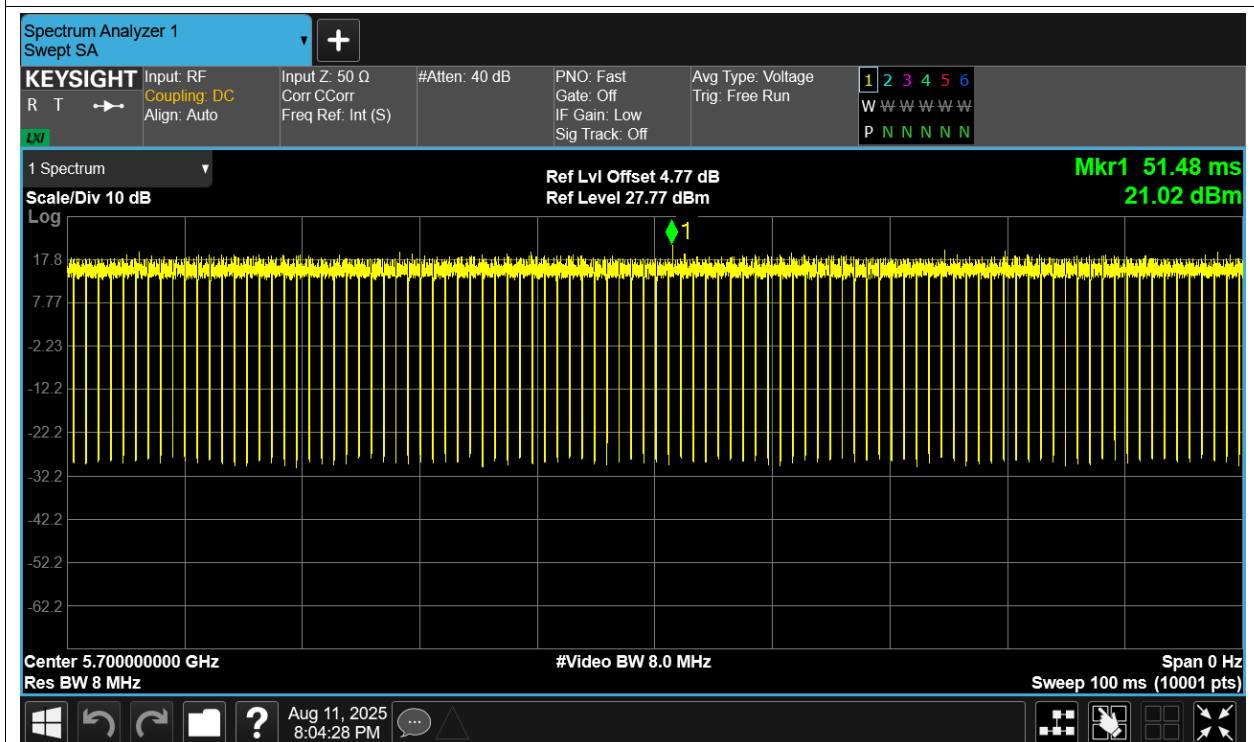
Duty Cycle NVNT ac20 5500MHz Ant1



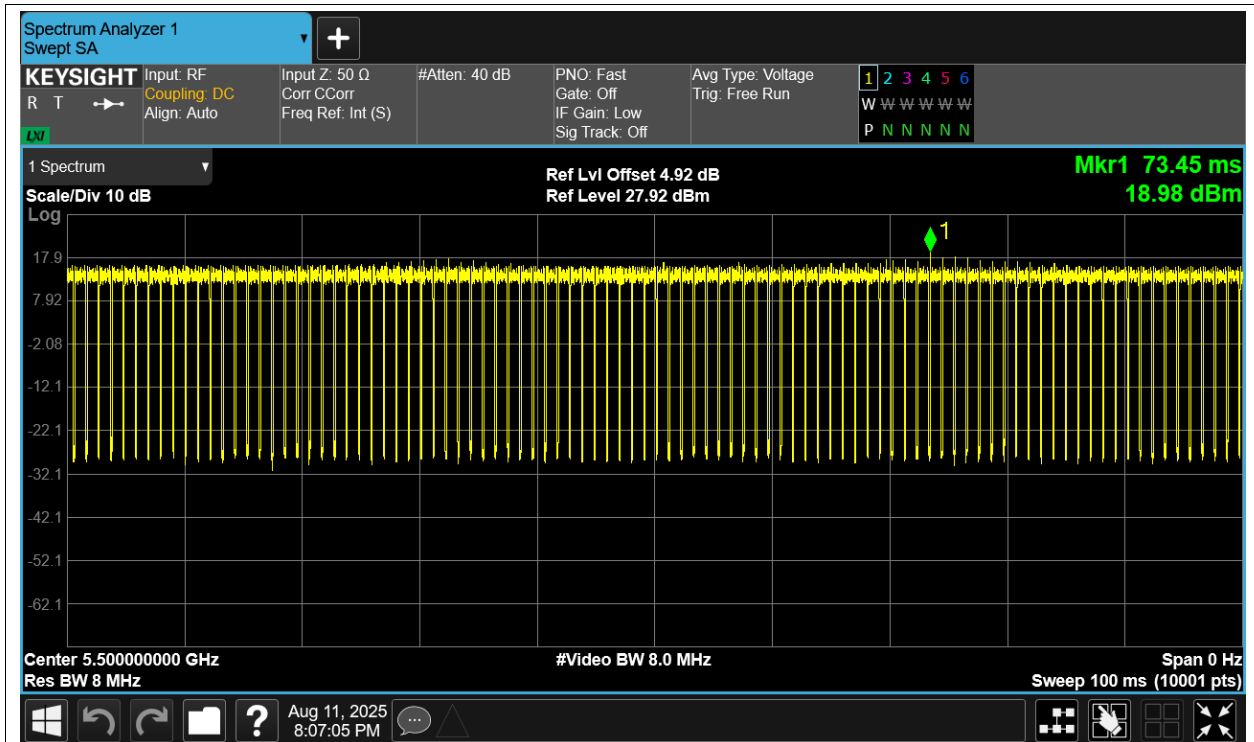
Duty Cycle NVNT ac20 5600MHz Ant1



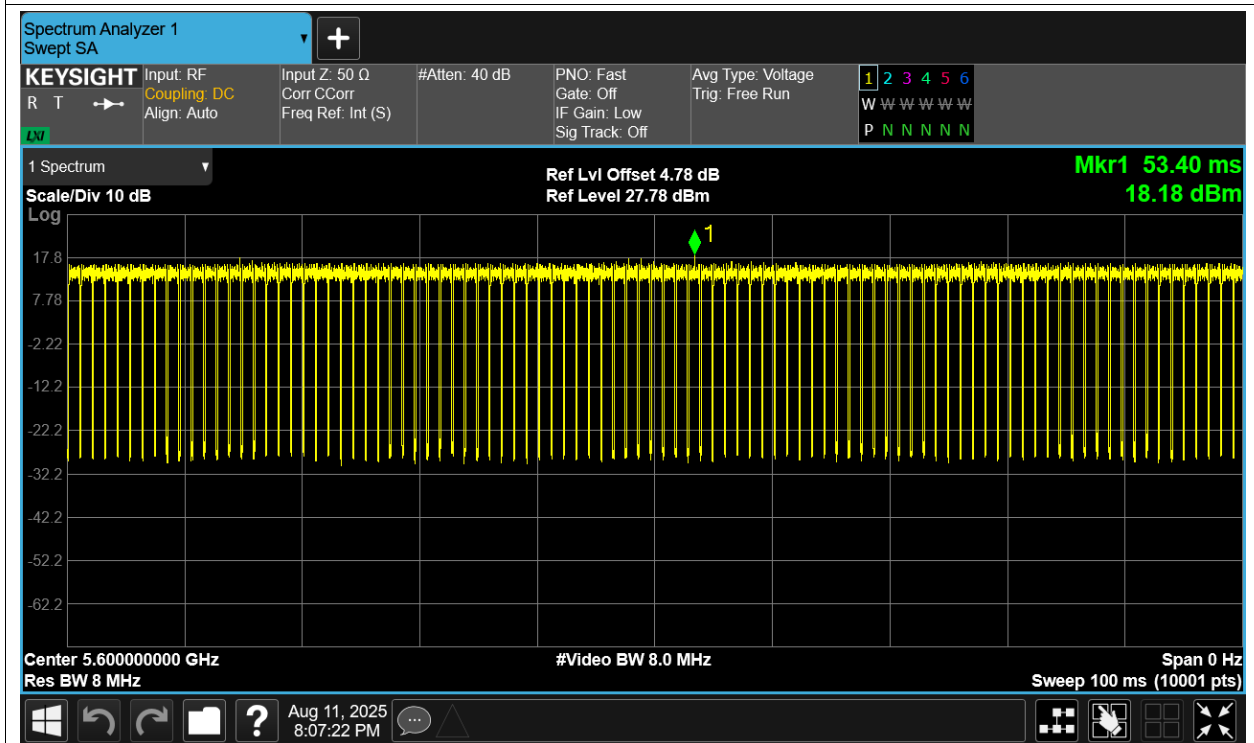
Duty Cycle NVNT ac20 5700MHz Ant1



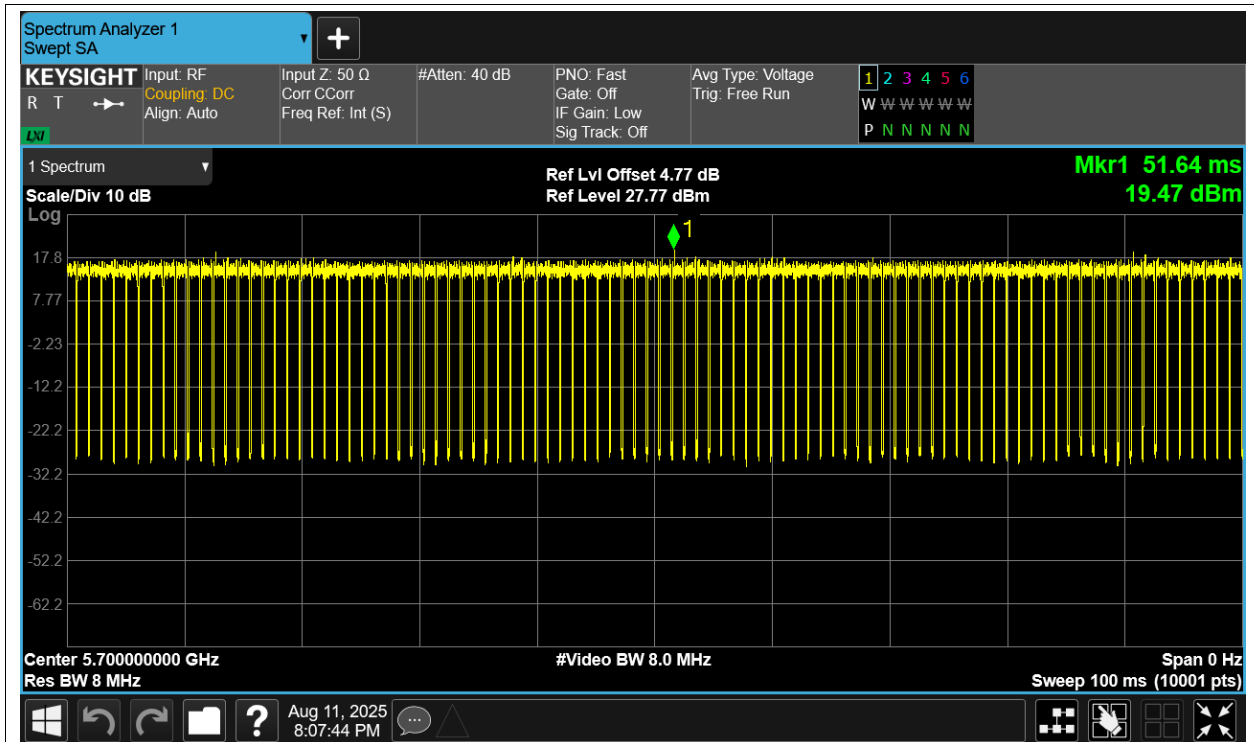
Duty Cycle NVNT ax20 5500MHz Ant1



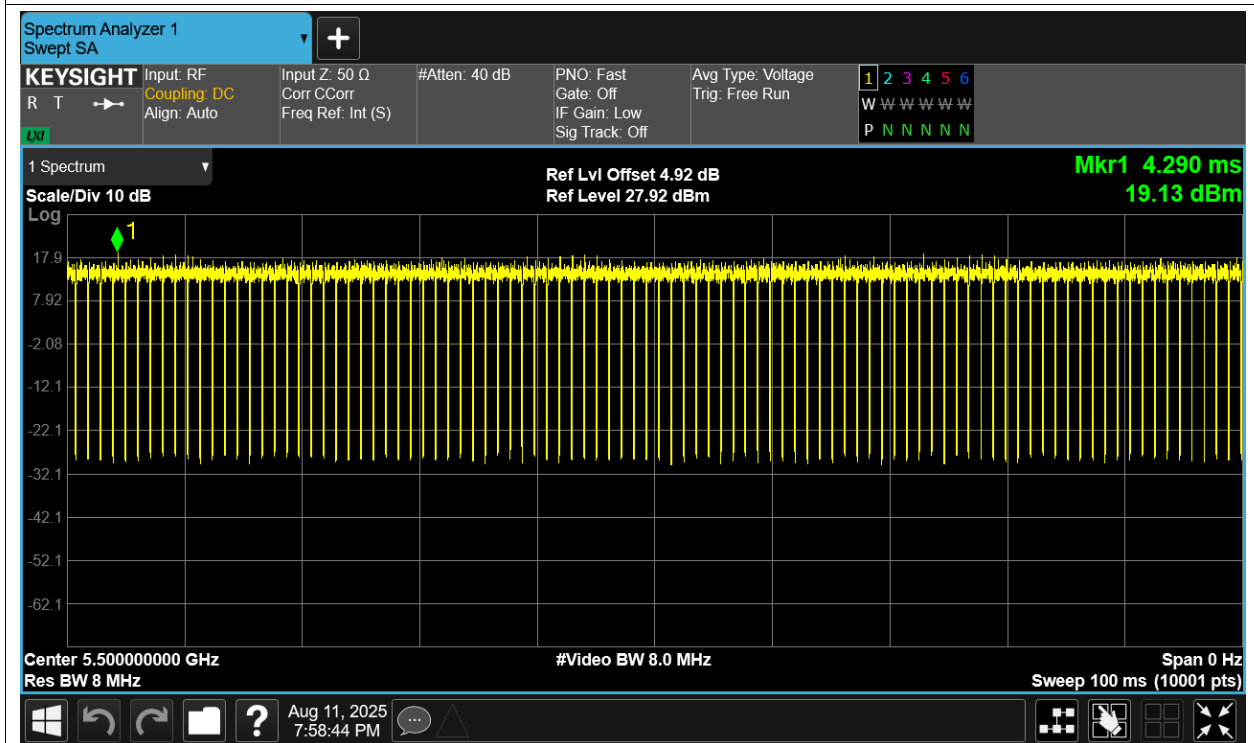
Duty Cycle NVNT ax20 5600MHz Ant1



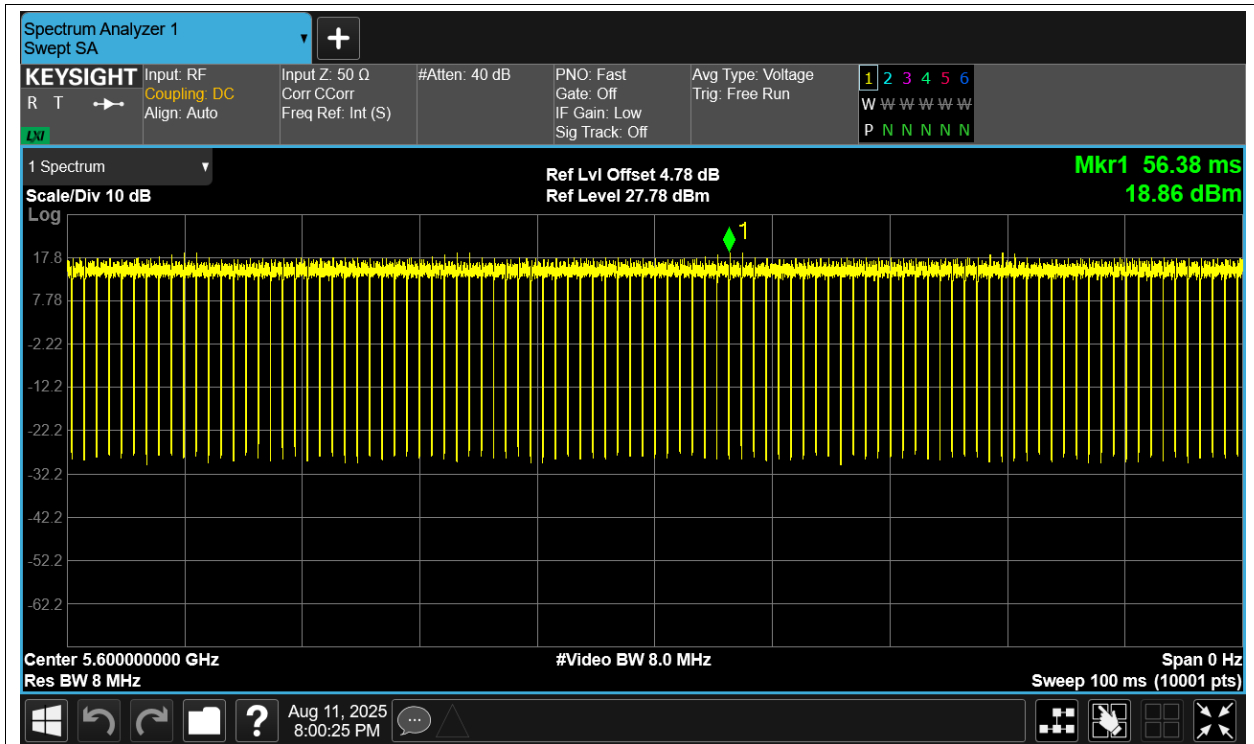
Duty Cycle NVNT ax20 5700MHz Ant1



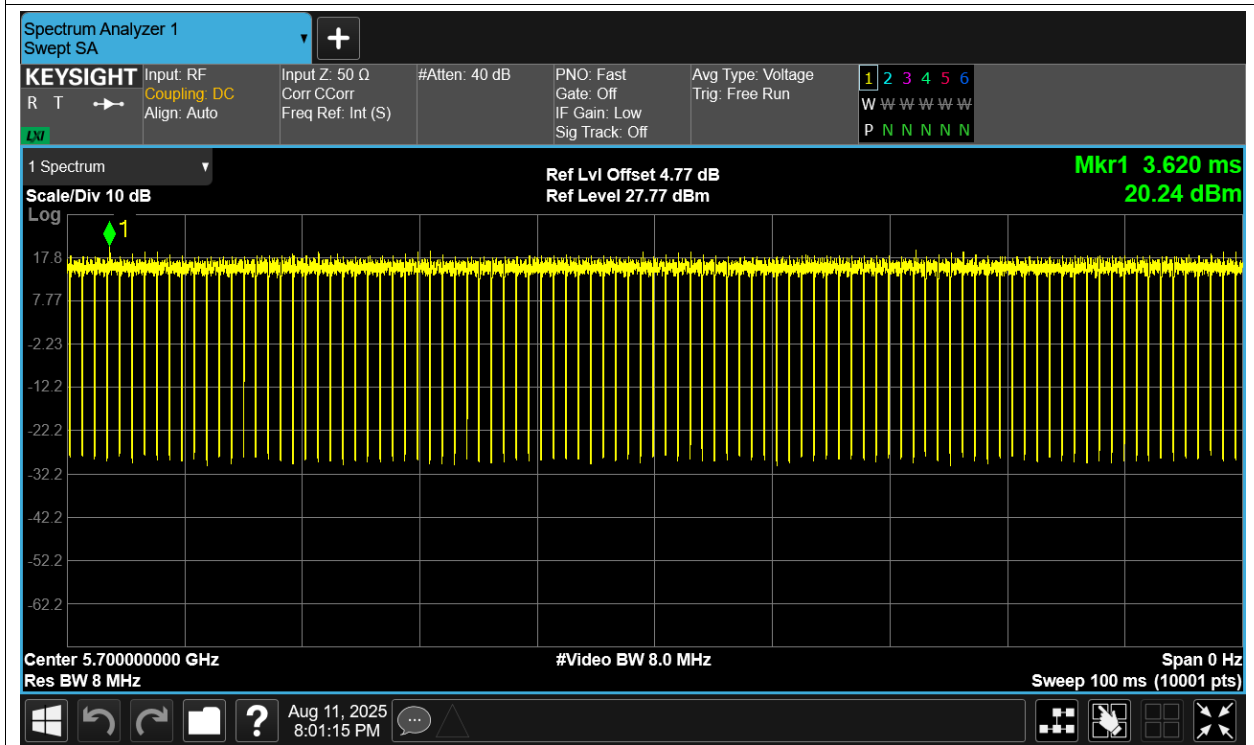
Duty Cycle NVNT n20 5500MHz Ant1



Duty Cycle NVNT n20 5600MHz Ant1



Duty Cycle NVNT n20 5700MHz Ant1

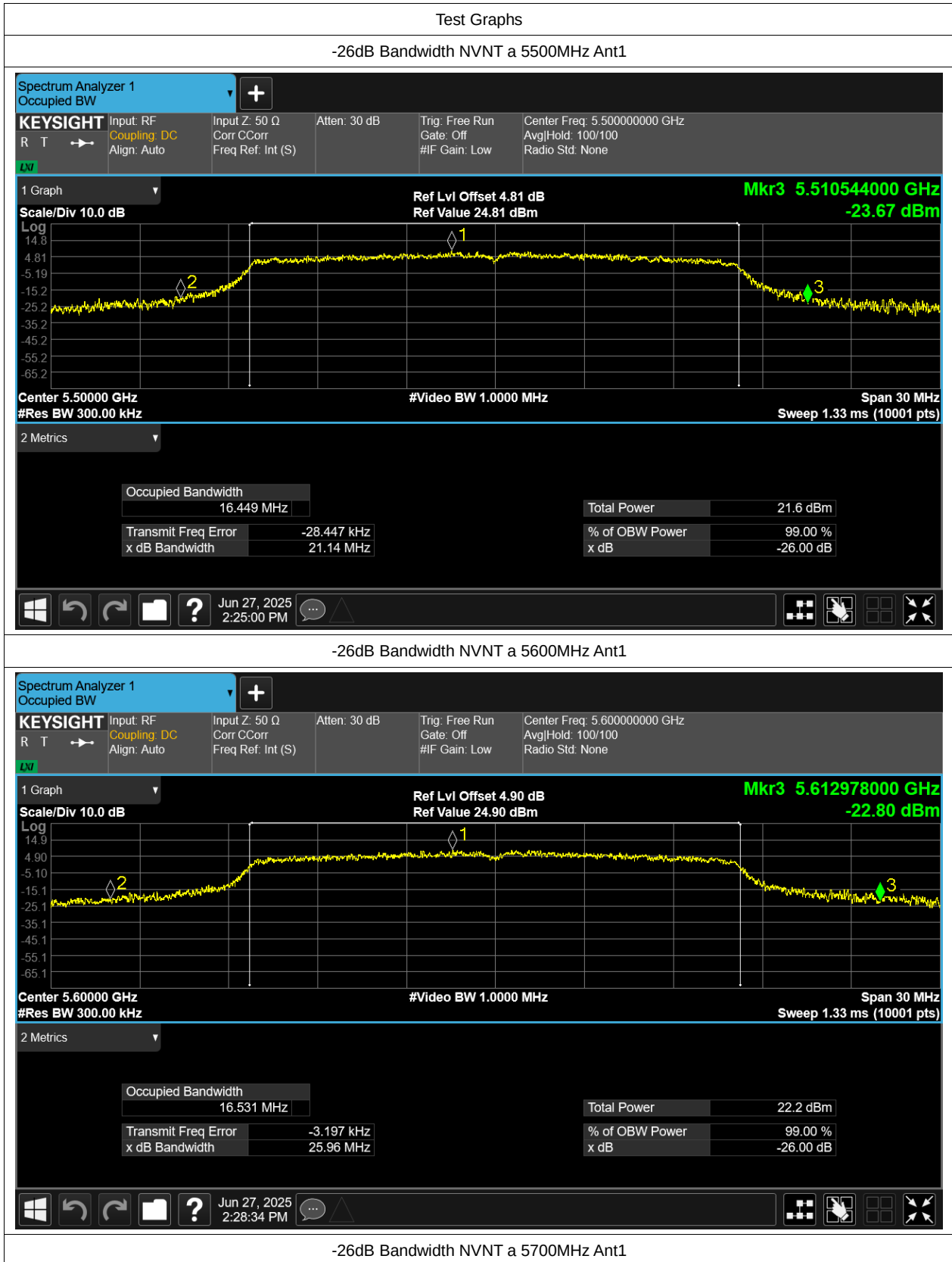


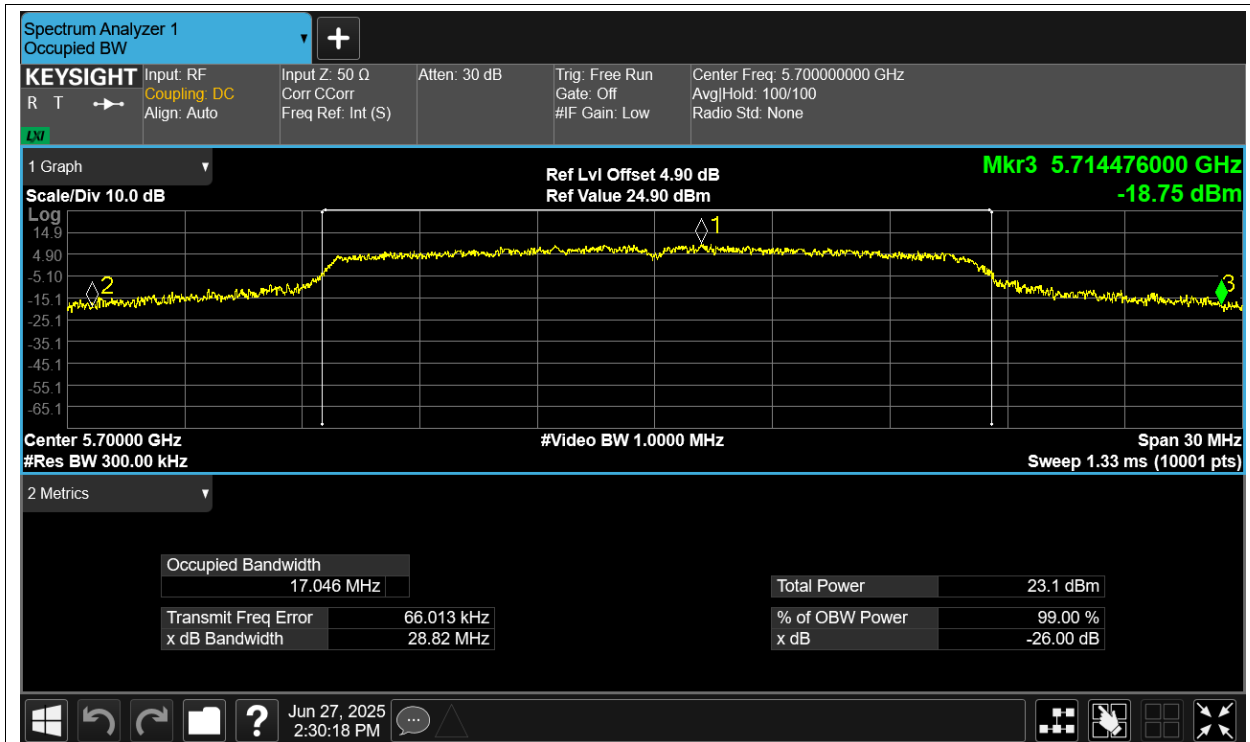
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	10.7	0.3	11	24	Pass
NVNT	a	5600	Ant1	10.34	0.28	10.62	24	Pass
NVNT	a	5700	Ant1	11.61	0.3	11.91	24	Pass
NVNT	ac20	5500	Ant1	9.89	0.32	10.21	24	Pass
NVNT	ac20	5600	Ant1	9.93	0.3	10.23	24	Pass
NVNT	ac20	5700	Ant1	11.19	0.32	11.51	24	Pass
NVNT	ax20	5500	Ant1	9.91	0.53	10.44	24	Pass
NVNT	ax20	5600	Ant1	9.16	0.53	9.69	24	Pass
NVNT	ax20	5700	Ant1	10.55	0.53	11.08	24	Pass
NVNT	n20	5500	Ant1	10.14	0.34	10.48	24	Pass
NVNT	n20	5600	Ant1	9.97	0.32	10.29	24	Pass
NVNT	n20	5700	Ant1	11.24	0.33	11.57	24	Pass

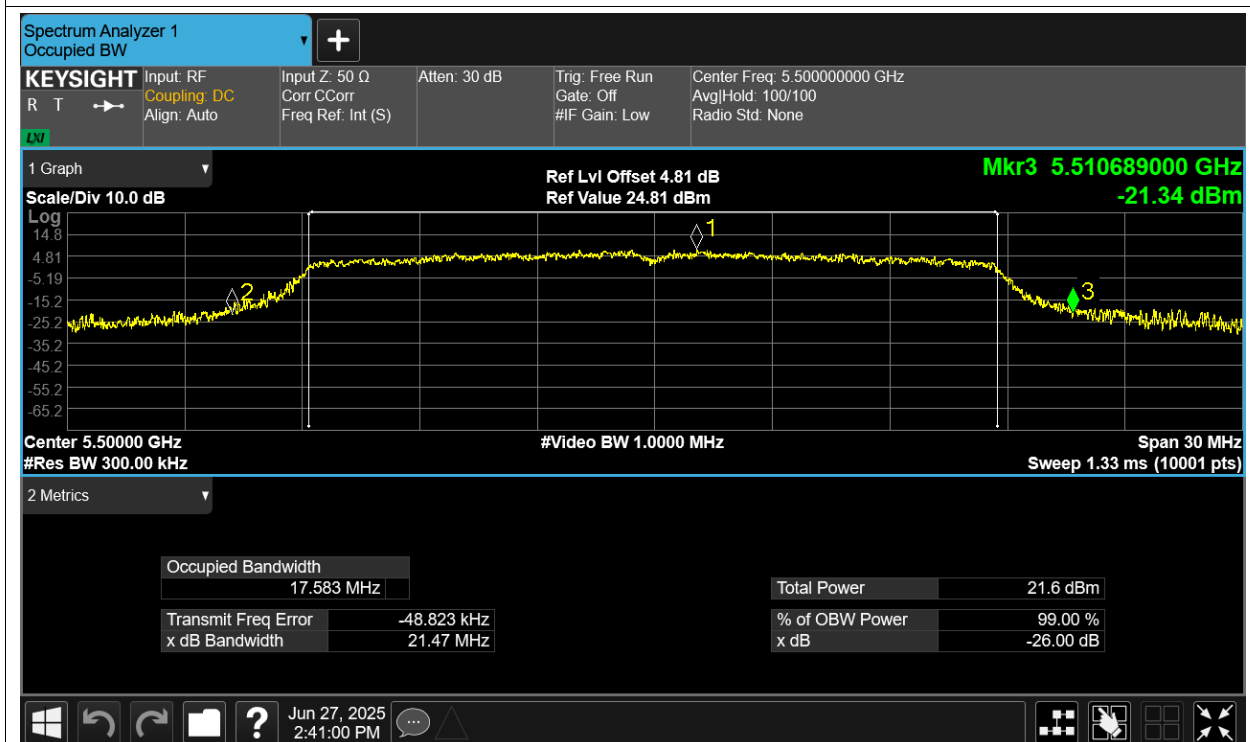
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	21.144
NVNT	a	5600	Ant1	25.961
NVNT	a	5700	Ant1	28.821
NVNT	ac20	5500	Ant1	21.475
NVNT	ac20	5600	Ant1	26.123
NVNT	ac20	5700	Ant1	29.142
NVNT	ax20	5500	Ant1	21.468
NVNT	ax20	5600	Ant1	21.989
NVNT	ax20	5700	Ant1	26.834
NVNT	n20	5500	Ant1	21.686
NVNT	n20	5600	Ant1	22.983
NVNT	n20	5700	Ant1	29.666

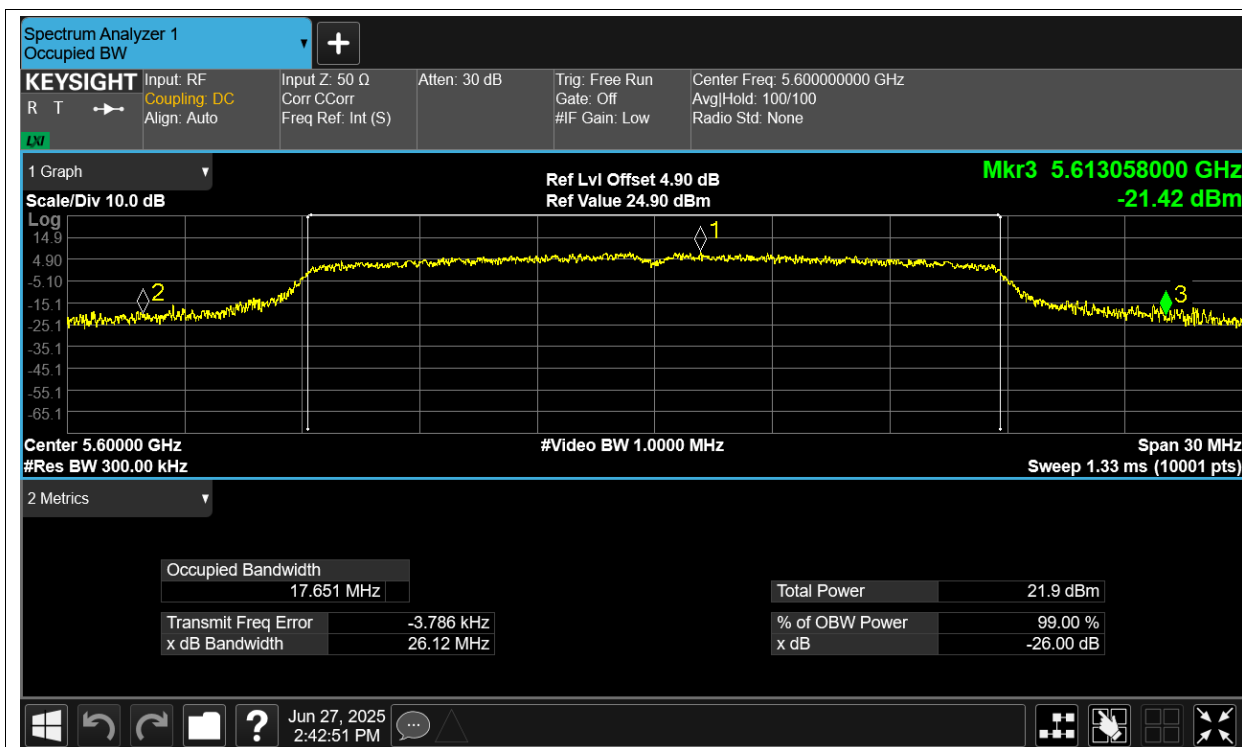




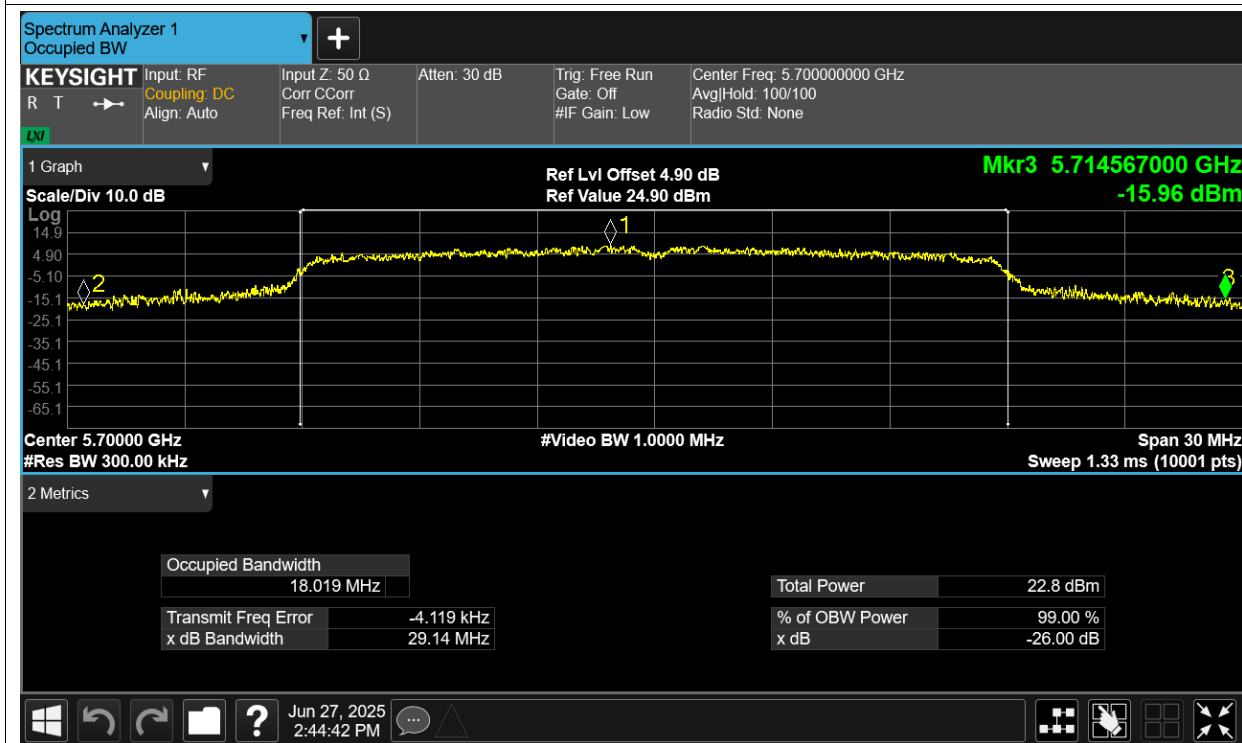
-26dB Bandwidth NVNT ac20 5500MHz Ant1



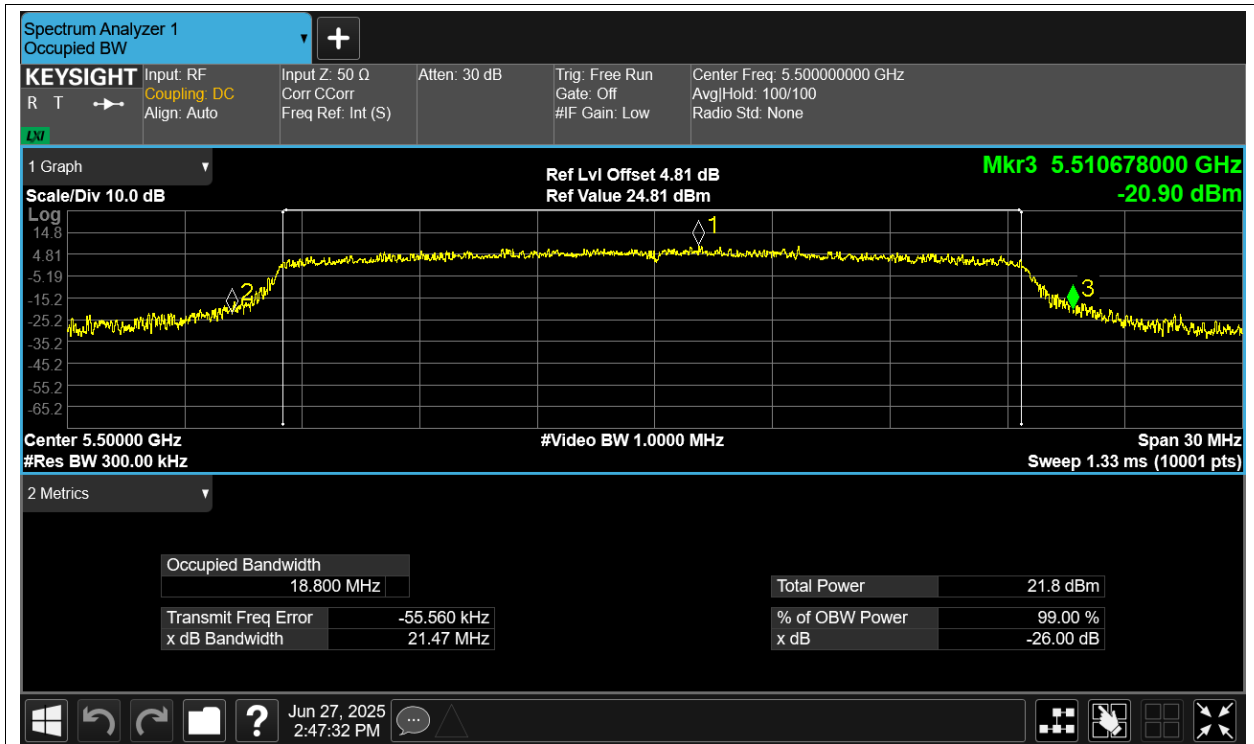
-26dB Bandwidth NVNT ac20 5600MHz Ant1



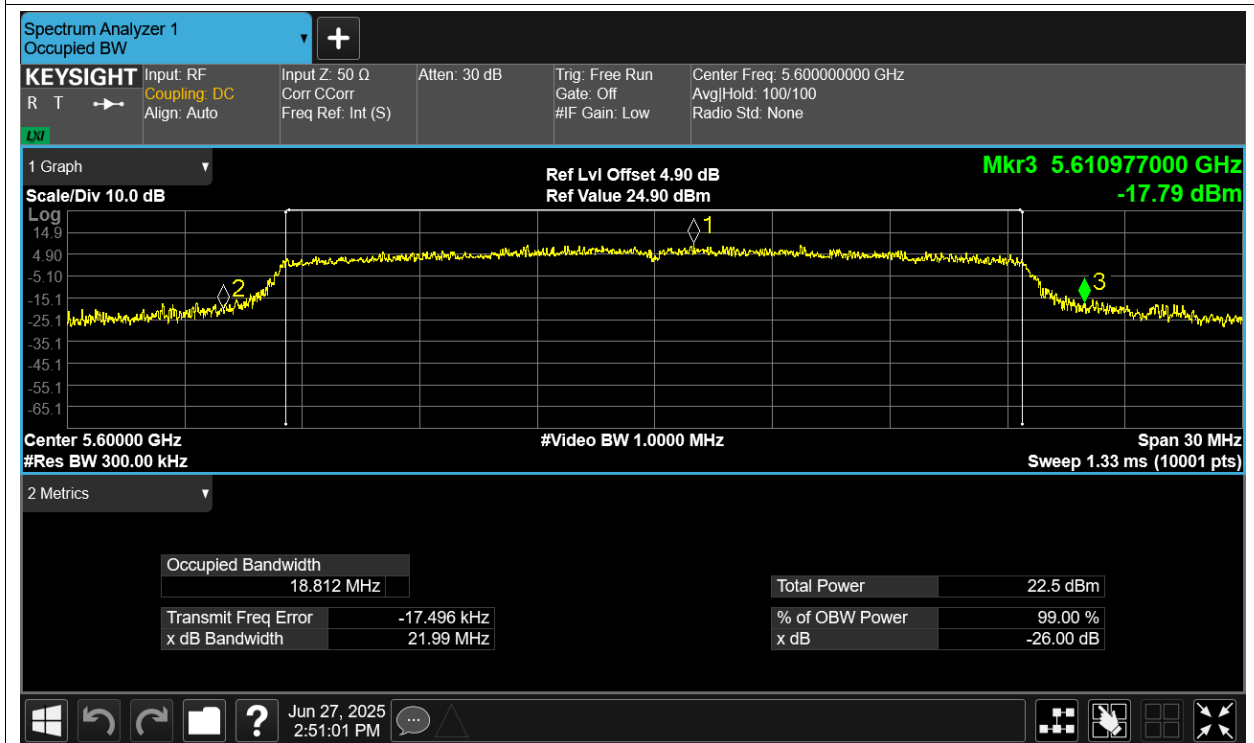
-26dB Bandwidth NVNT ac20 5700MHz Ant1



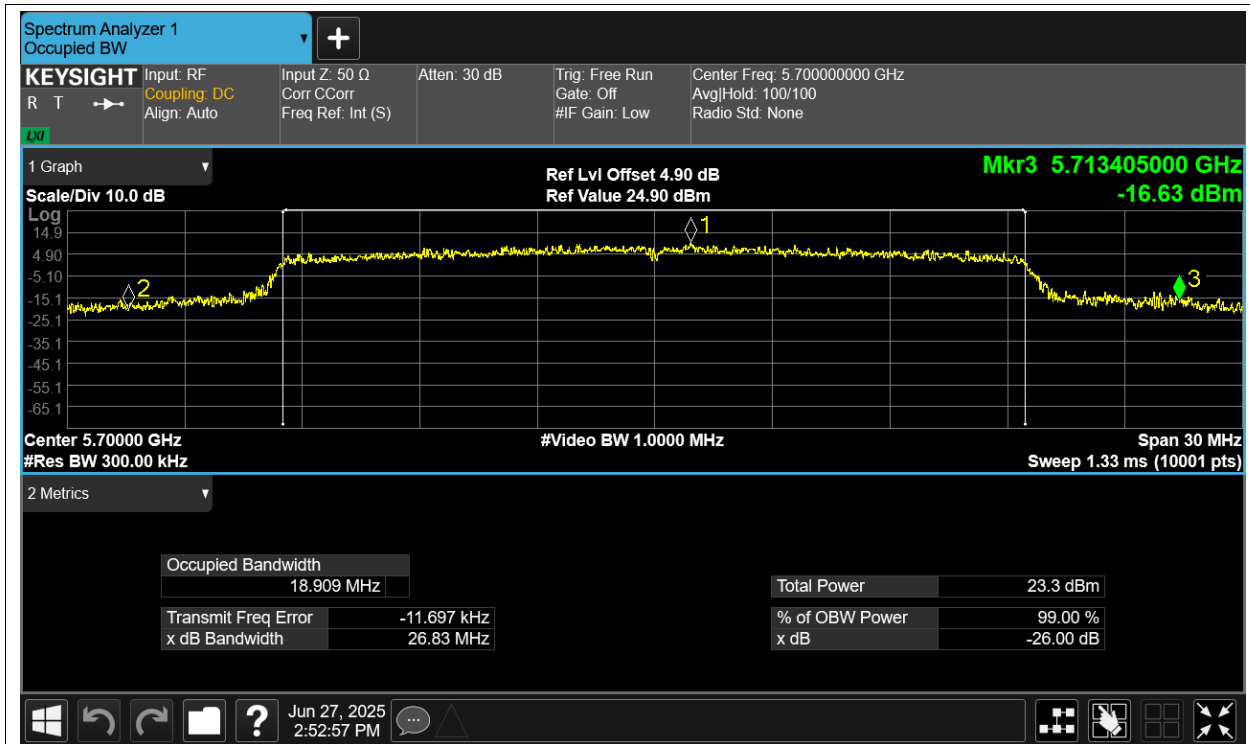
-26dB Bandwidth NVNT ax20 5500MHz Ant1



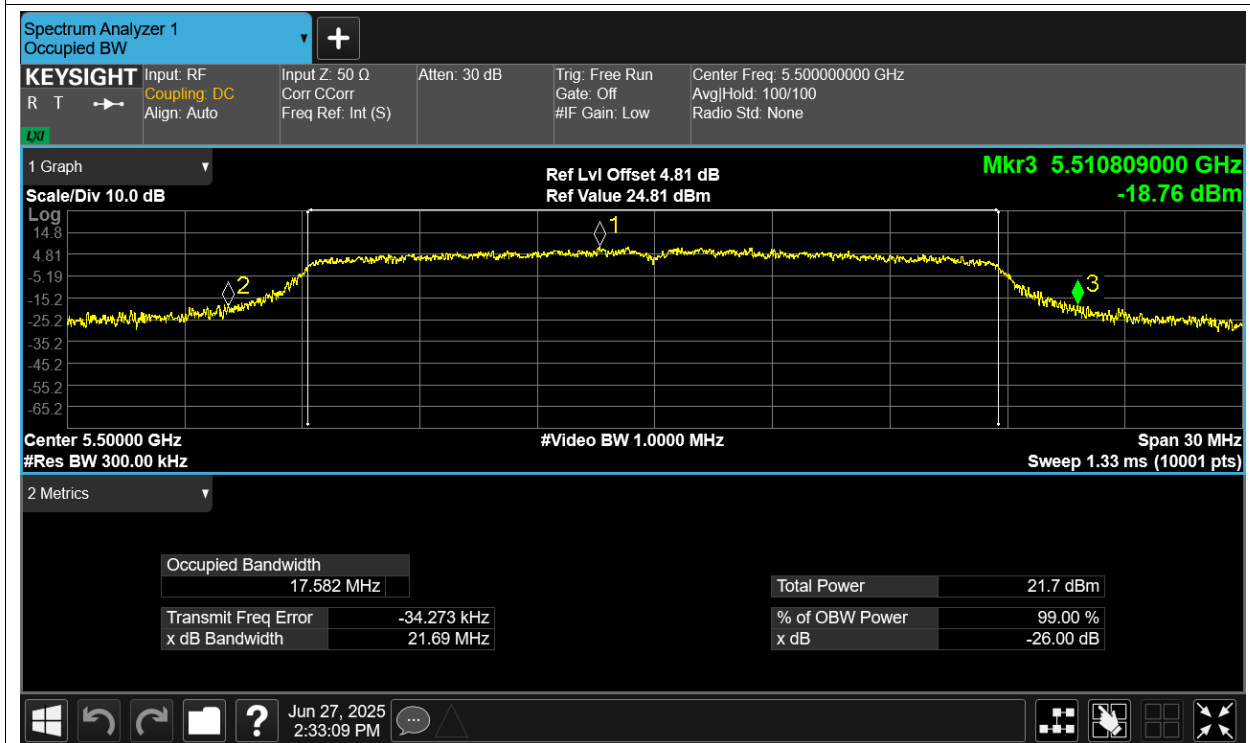
-26dB Bandwidth NVNT ax20 5600MHz Ant1



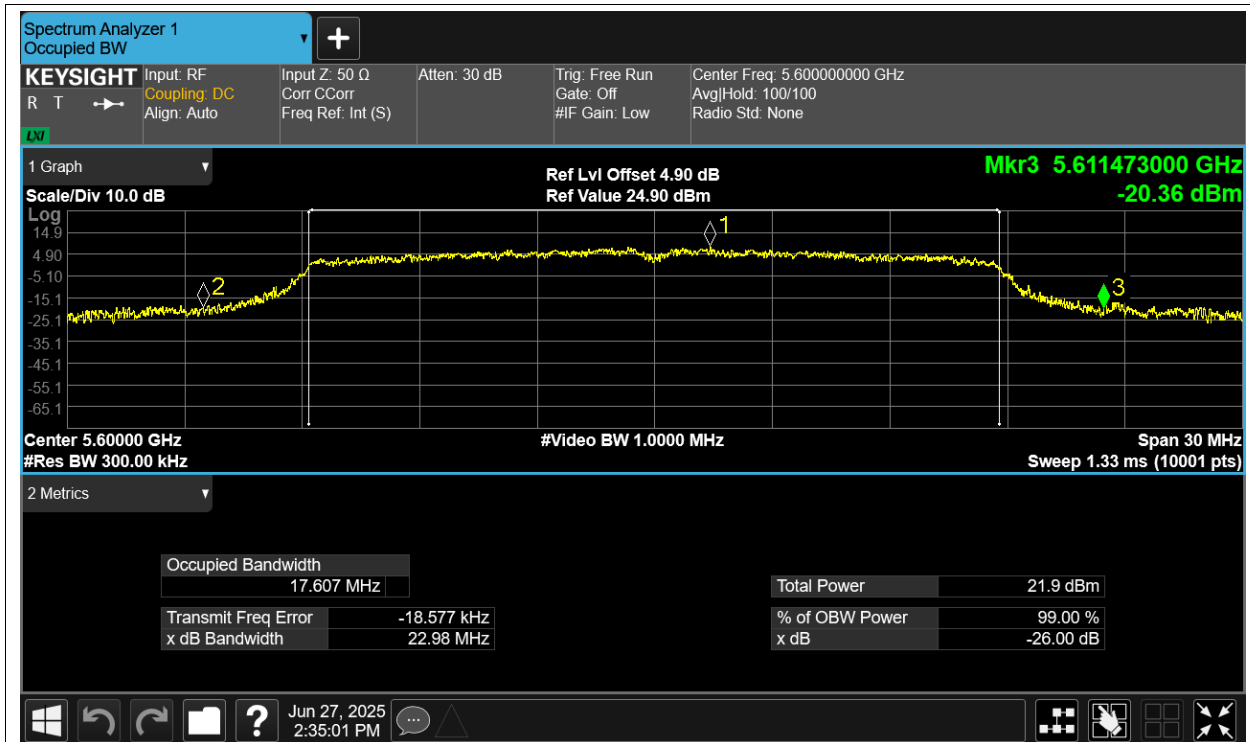
-26dB Bandwidth NVNT ax20 5700MHz Ant1



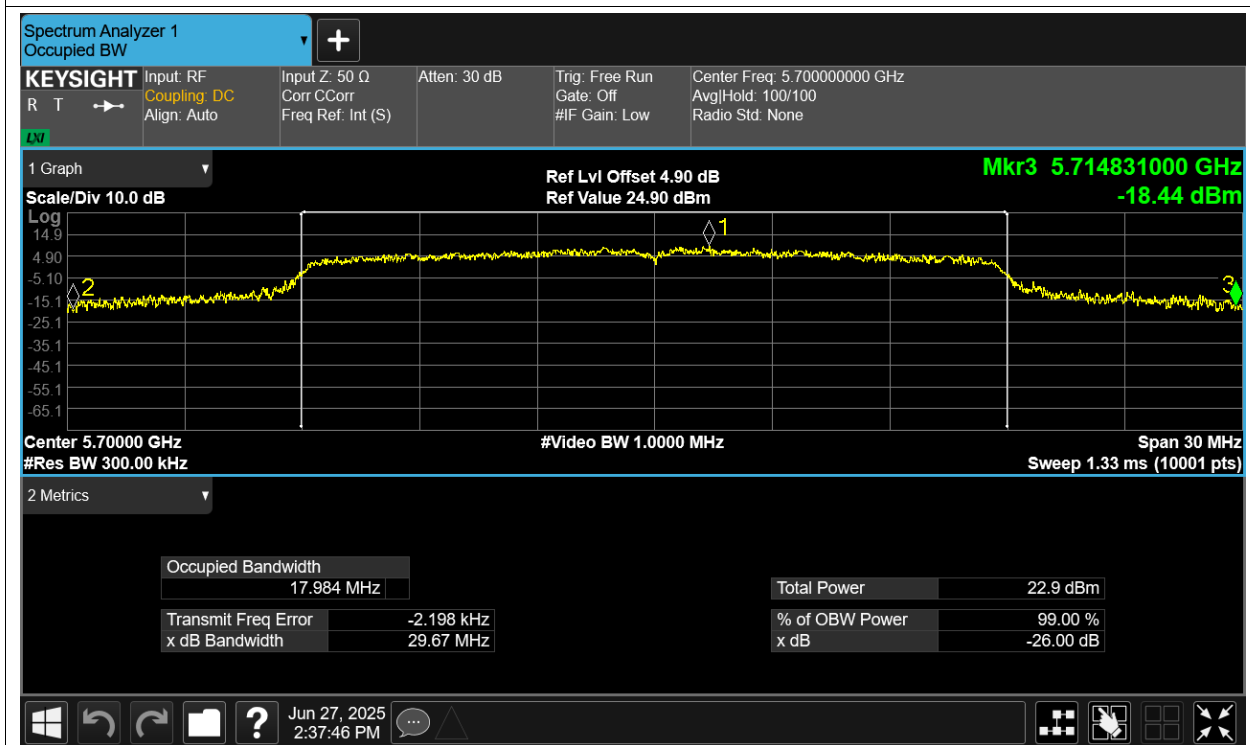
-26dB Bandwidth NVNT n20 5500MHz Ant1



-26dB Bandwidth NVNT n20 5600MHz Ant1



-26dB Bandwidth NVNT n20 5700MHz Ant1

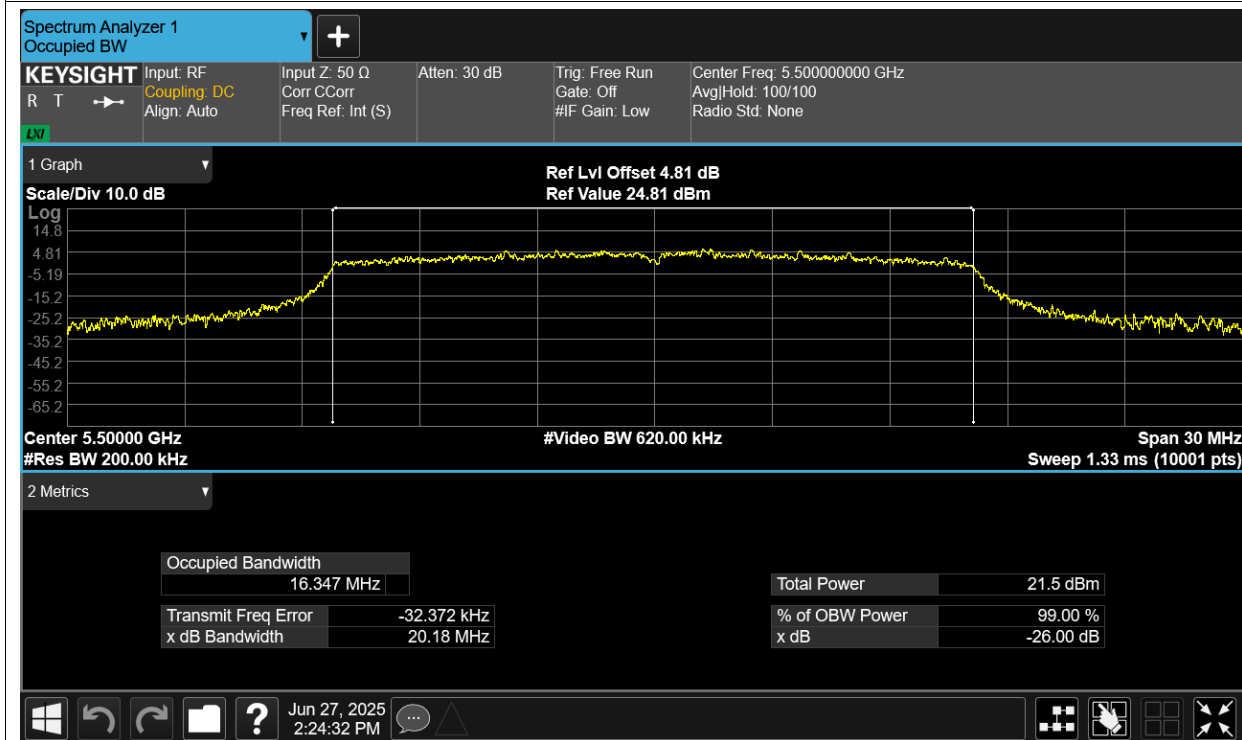


Occupied Channel Bandwidth

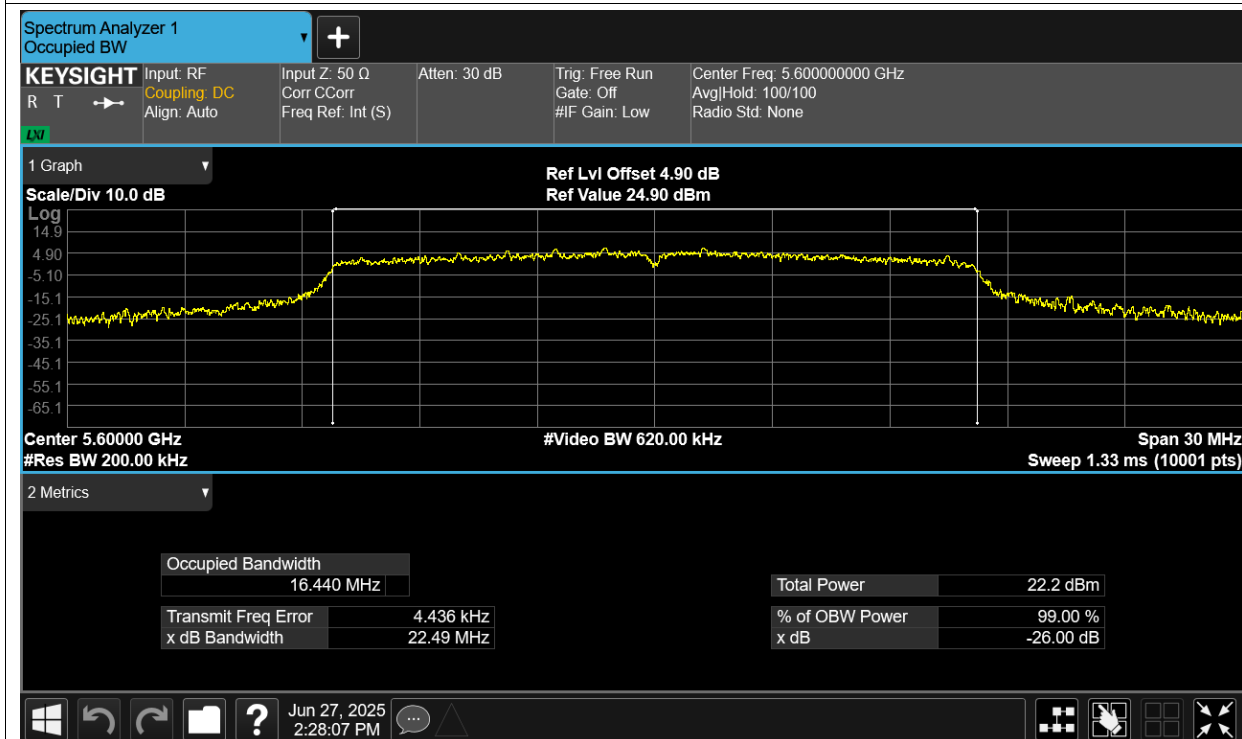
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.347
NVNT	a	5600	Ant1	16.44
NVNT	a	5700	Ant1	16.876
NVNT	ac20	5500	Ant1	17.509
NVNT	ac20	5600	Ant1	17.561
NVNT	ac20	5700	Ant1	17.871
NVNT	ax20	5500	Ant1	18.78
NVNT	ax20	5600	Ant1	18.763
NVNT	ax20	5700	Ant1	18.876
NVNT	n20	5500	Ant1	17.491
NVNT	n20	5600	Ant1	17.513
NVNT	n20	5700	Ant1	17.837

Test Graphs

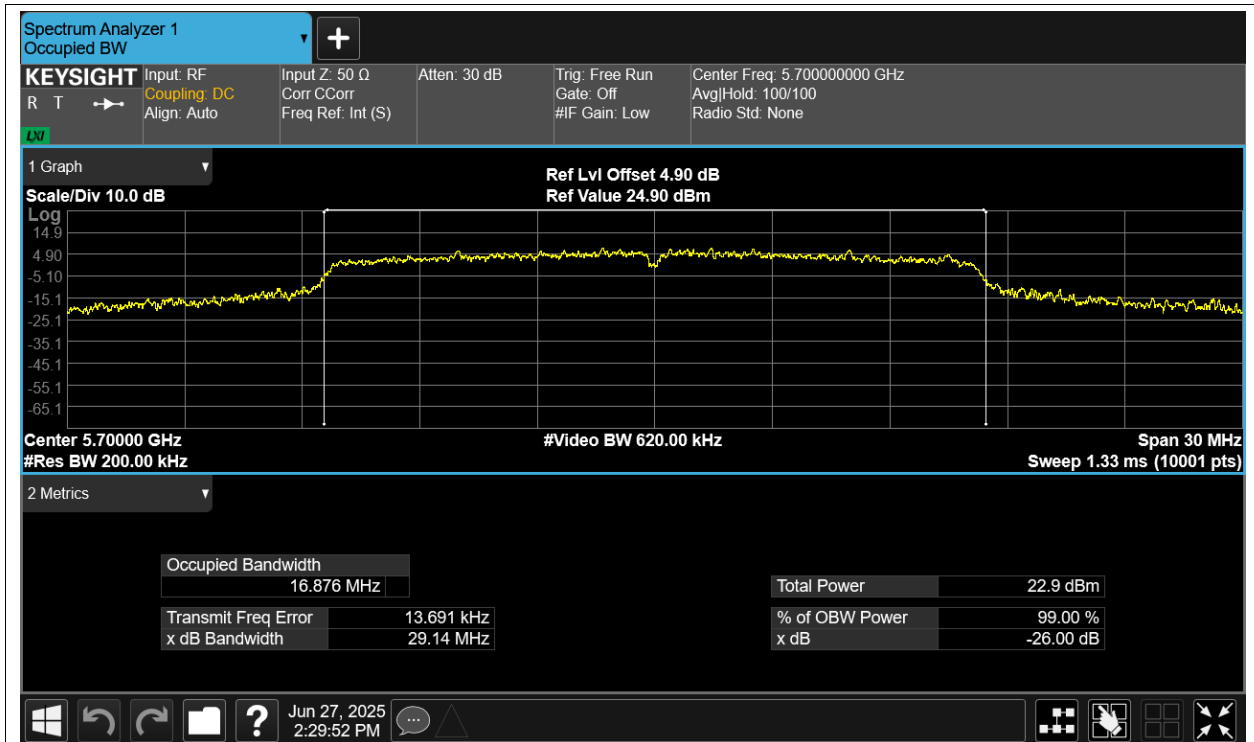
OBW NVNT a 5500MHz Ant1



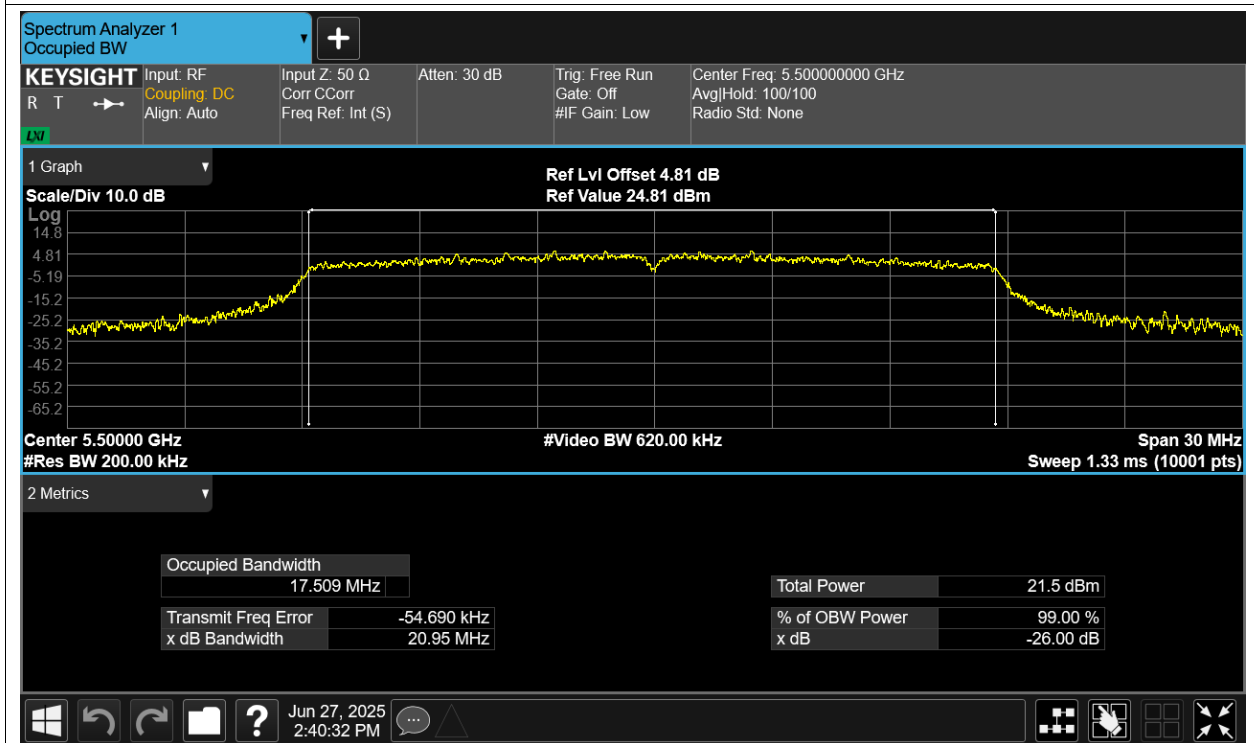
OBW NVNT a 5600MHz Ant1



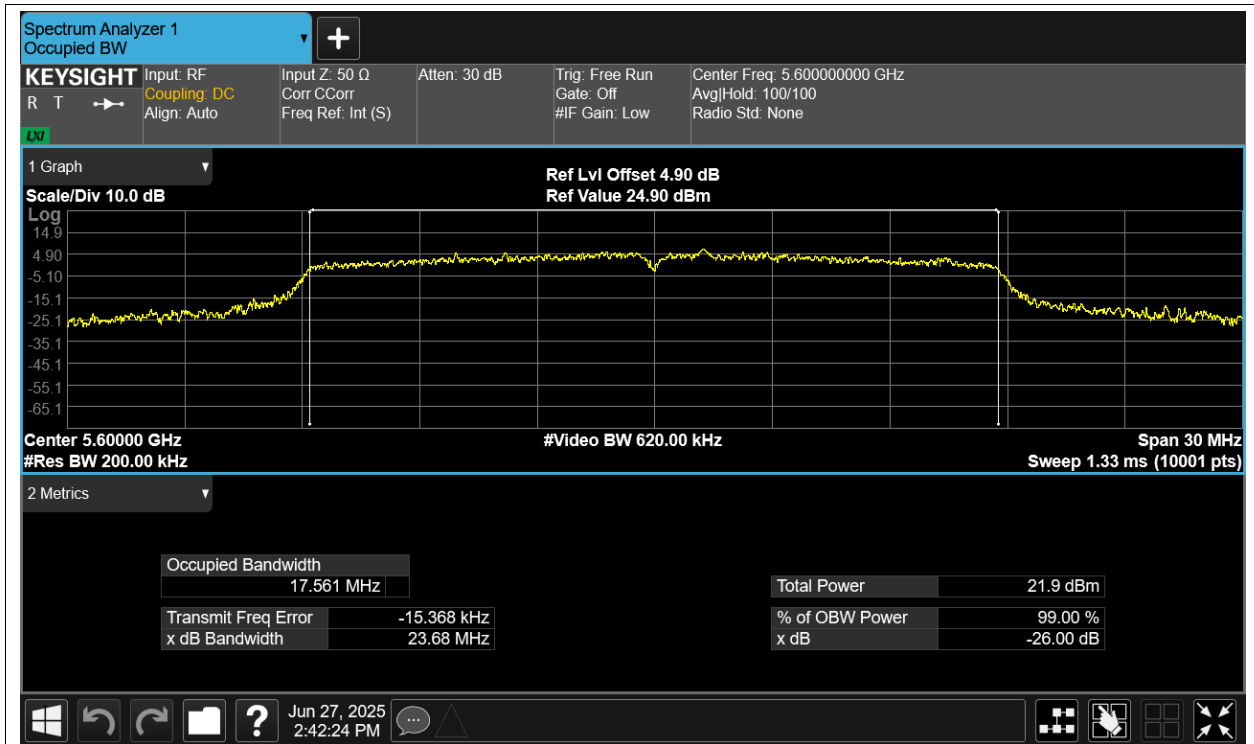
OBW NVNT a 5700MHz Ant1



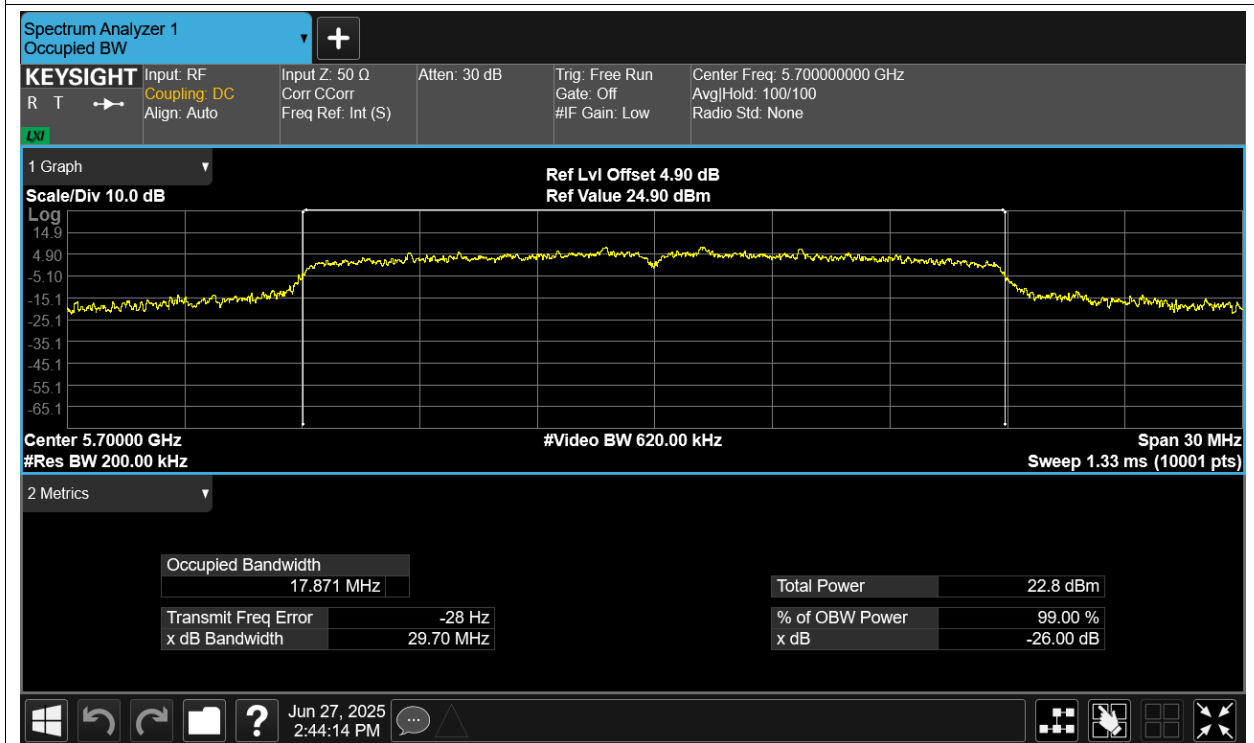
OBW NVNT ac20 5500MHz Ant1



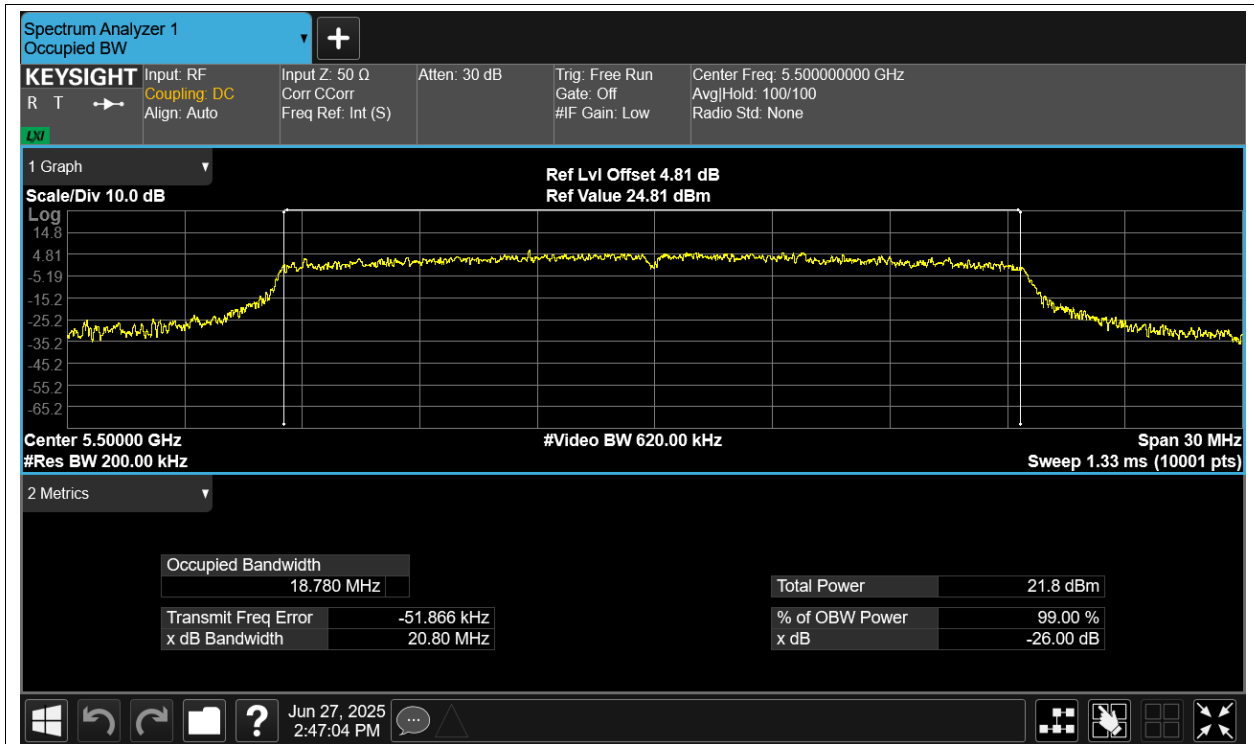
OBW NVNT ac20 5600MHz Ant1



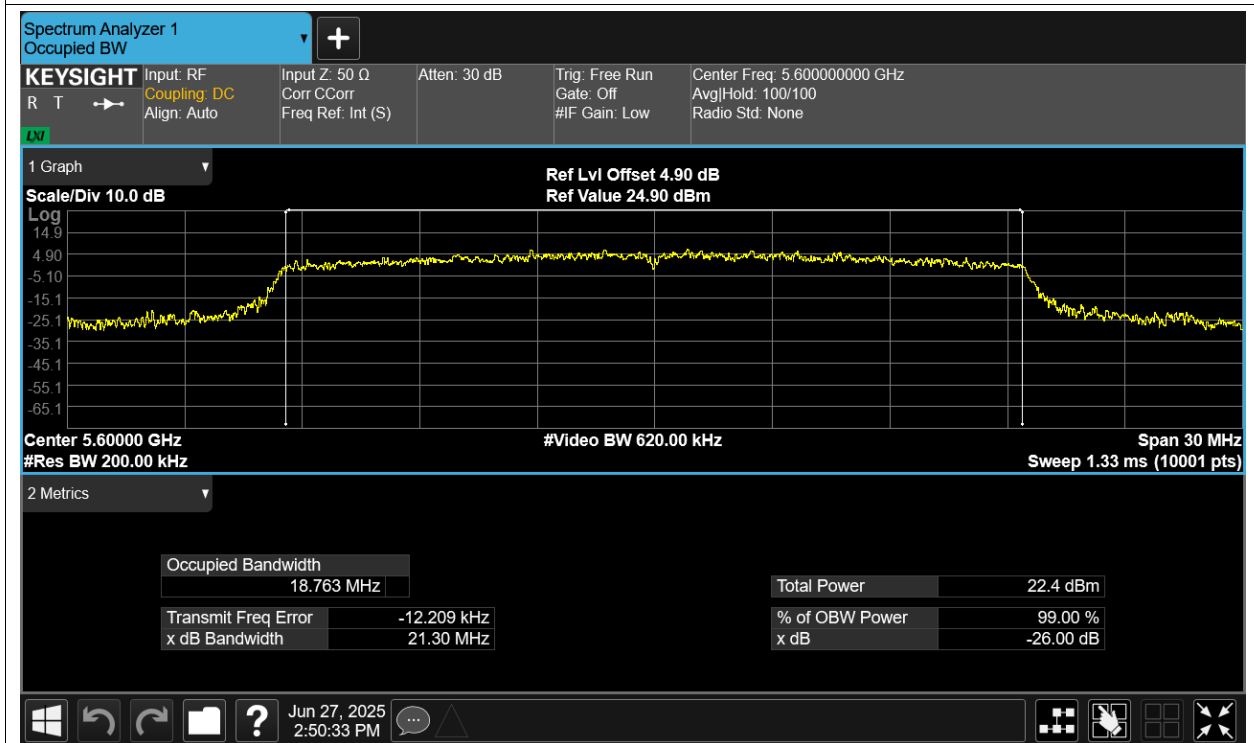
OBW NVNT ac20 5700MHz Ant1



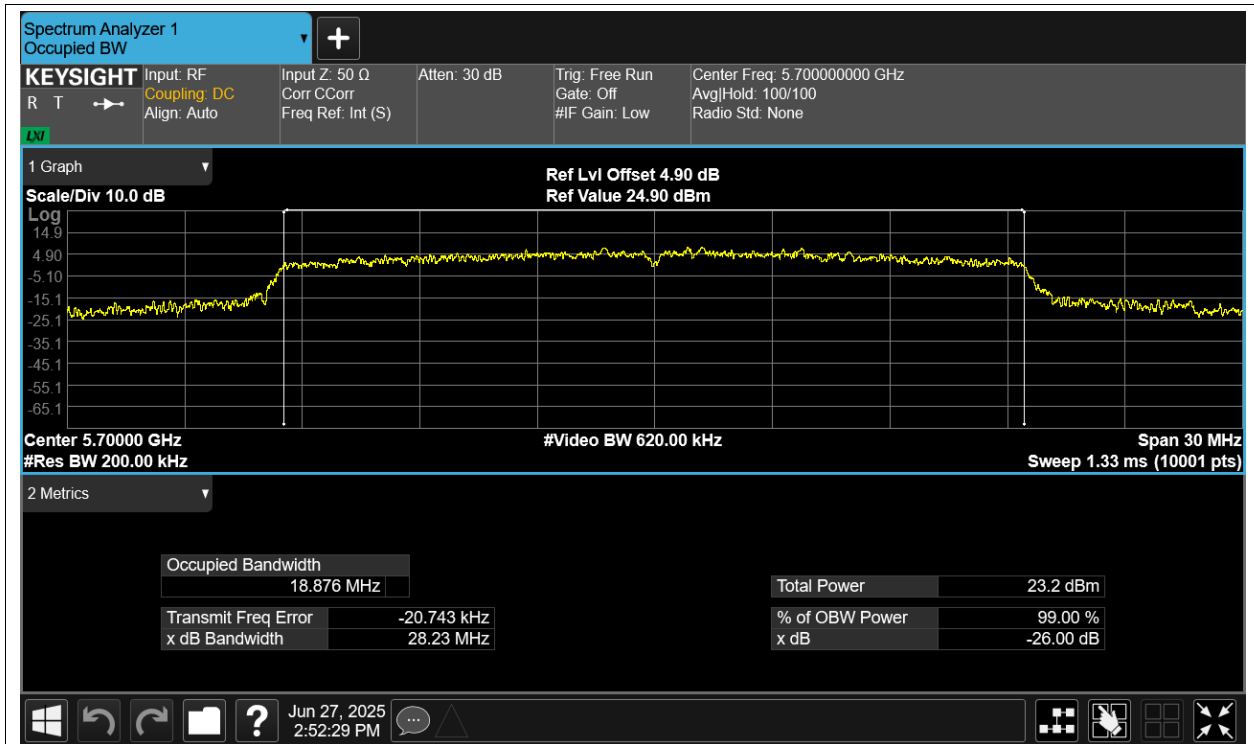
OBW NVNT ax20 5500MHz Ant1



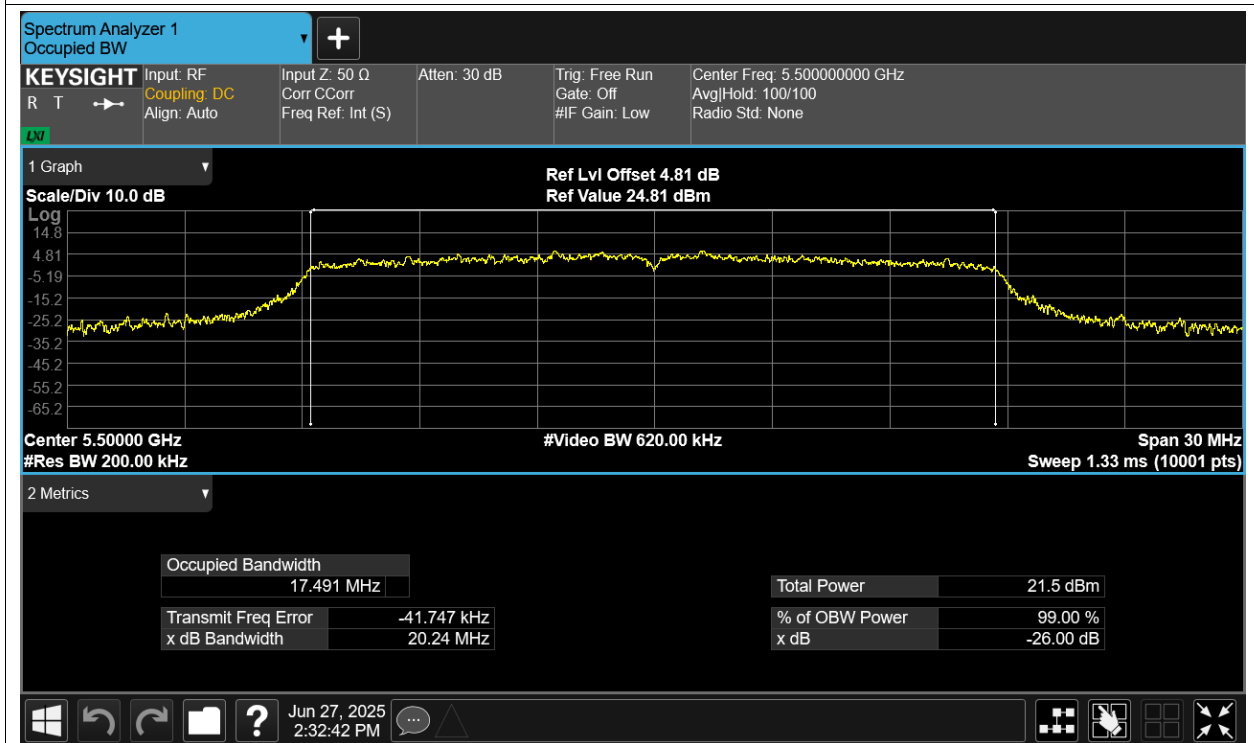
OBW NVNT ax20 5600MHz Ant1



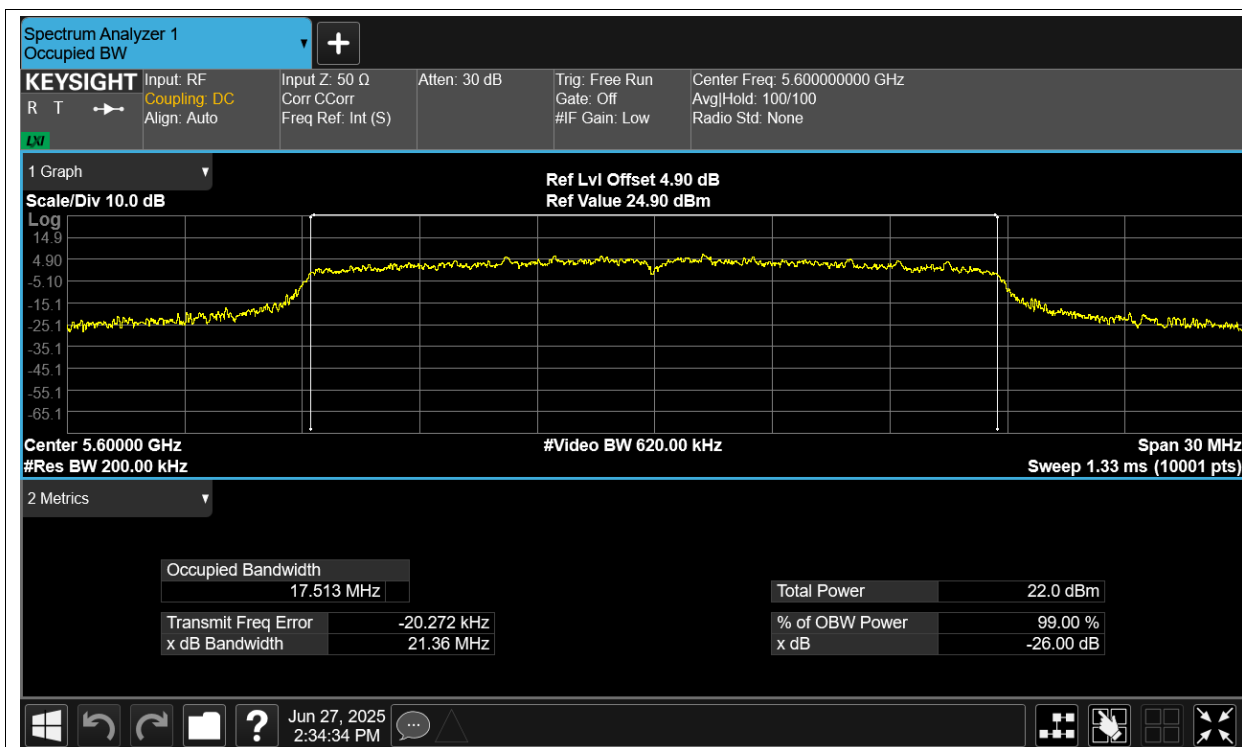
OBW NVNT ax20 5700MHz Ant1



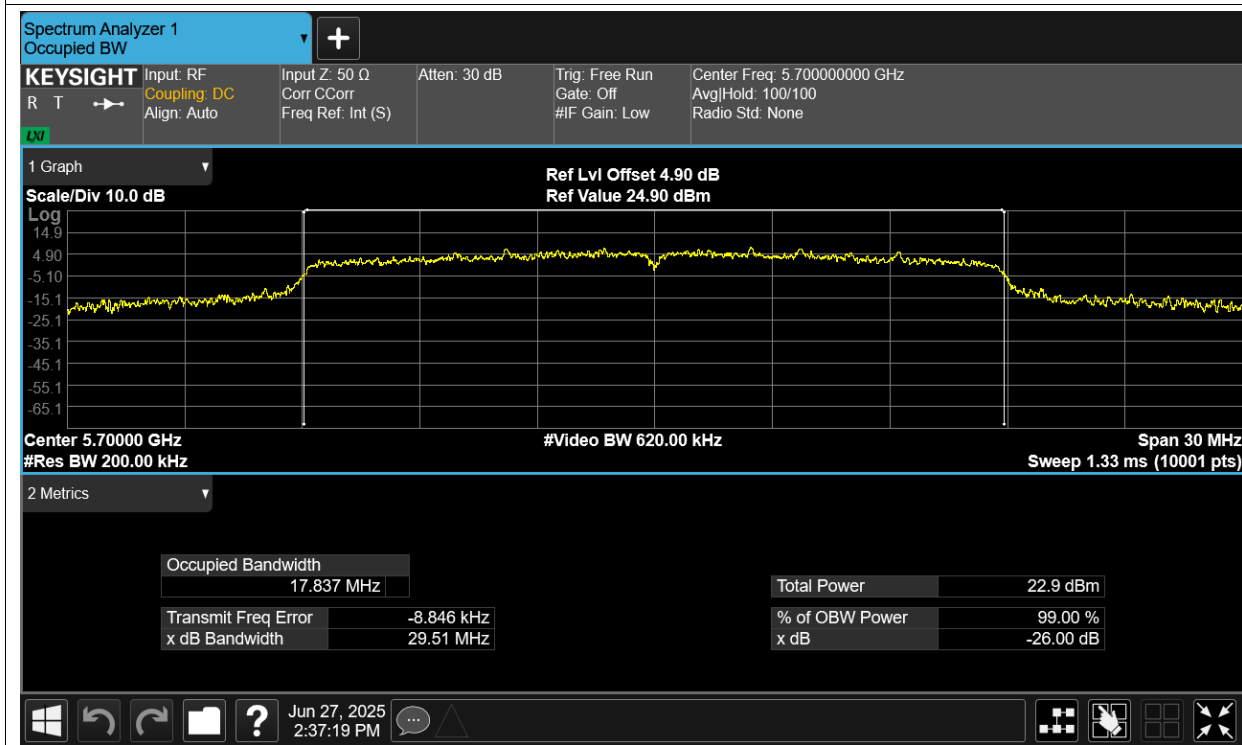
OBW NVNT n20 5500MHz Ant1



OBW NVNT n20 5600MHz Ant1



OBW NVNT n20 5700MHz Ant1



Maximum Power Spectral Density Level

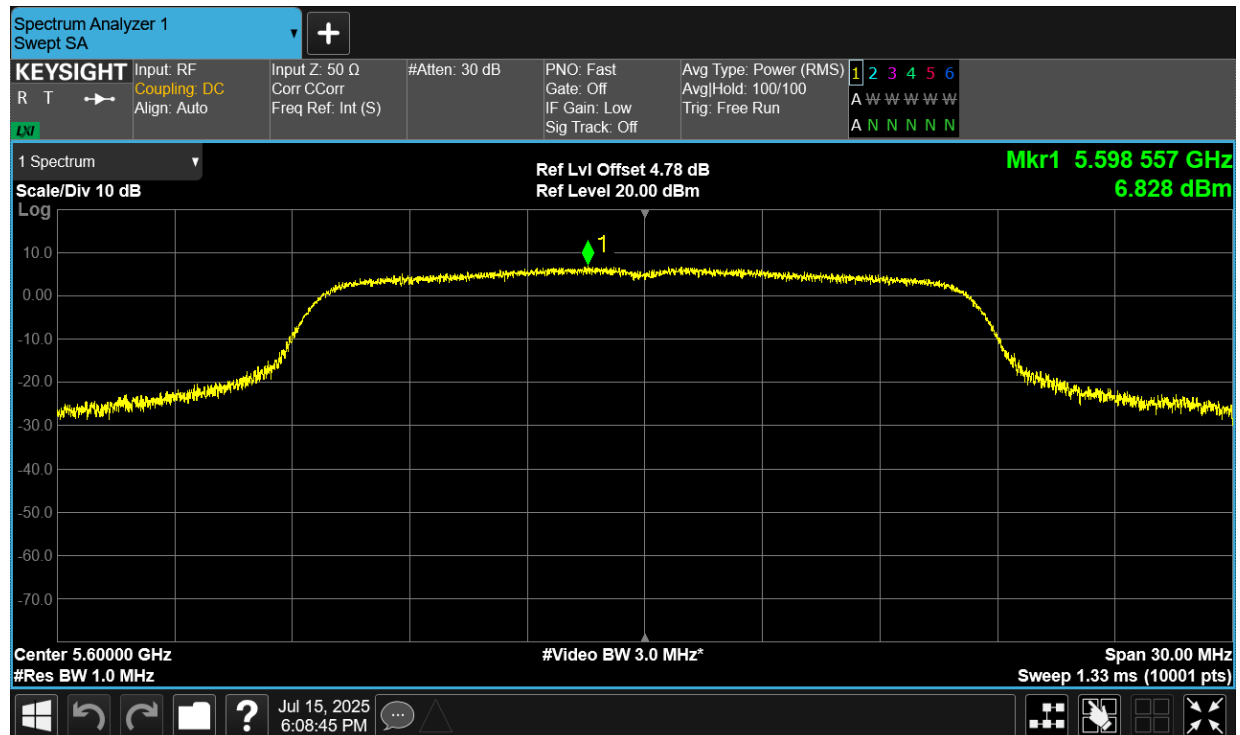
Condition	Mode	Frequency (MHz)	Antenna	Duty Factor (dB)	Max PSD (dBm/MHz)	Total PSD (dBm/MHz)	Limit(dBm/MHz)	Verdict
NVNT	a	5500	Ant1	0.3	6.911	7.211	11	Pass
NVNT	a	5600	Ant1	0.28	6.828	7.108	11	Pass
NVNT	a	5700	Ant1	0.3	7.121	7.421	11	Pass
NVNT	ac20	5500	Ant1	0.32	6.18	6.5	11	Pass
NVNT	ac20	5600	Ant1	0.3	6.567	6.867	11	Pass
NVNT	ac20	5700	Ant1	0.32	6.78	7.1	11	Pass
NVNT	ax20	5500	Ant1	0.53	5.673	6.203	11	Pass
NVNT	ax20	5600	Ant1	0.53	6.168	6.698	11	Pass
NVNT	ax20	5700	Ant1	0.53	6.332	6.862	11	Pass
NVNT	n20	5500	Ant1	0.34	6.486	6.826	11	Pass
NVNT	n20	5600	Ant1	0.32	6.69	7.01	11	Pass
NVNT	n20	5700	Ant1	0.33	6.353	6.683	11	Pass

Test Graphs

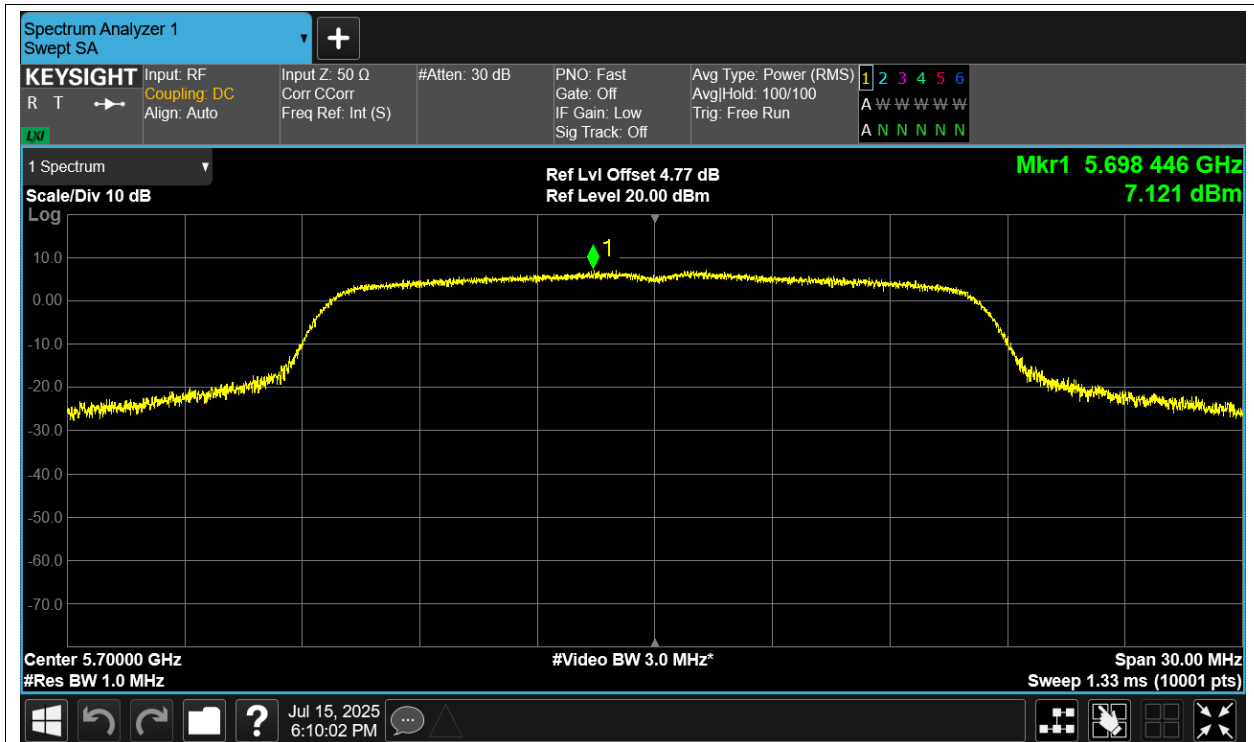
PSD NVNT a 5500MHz Ant1



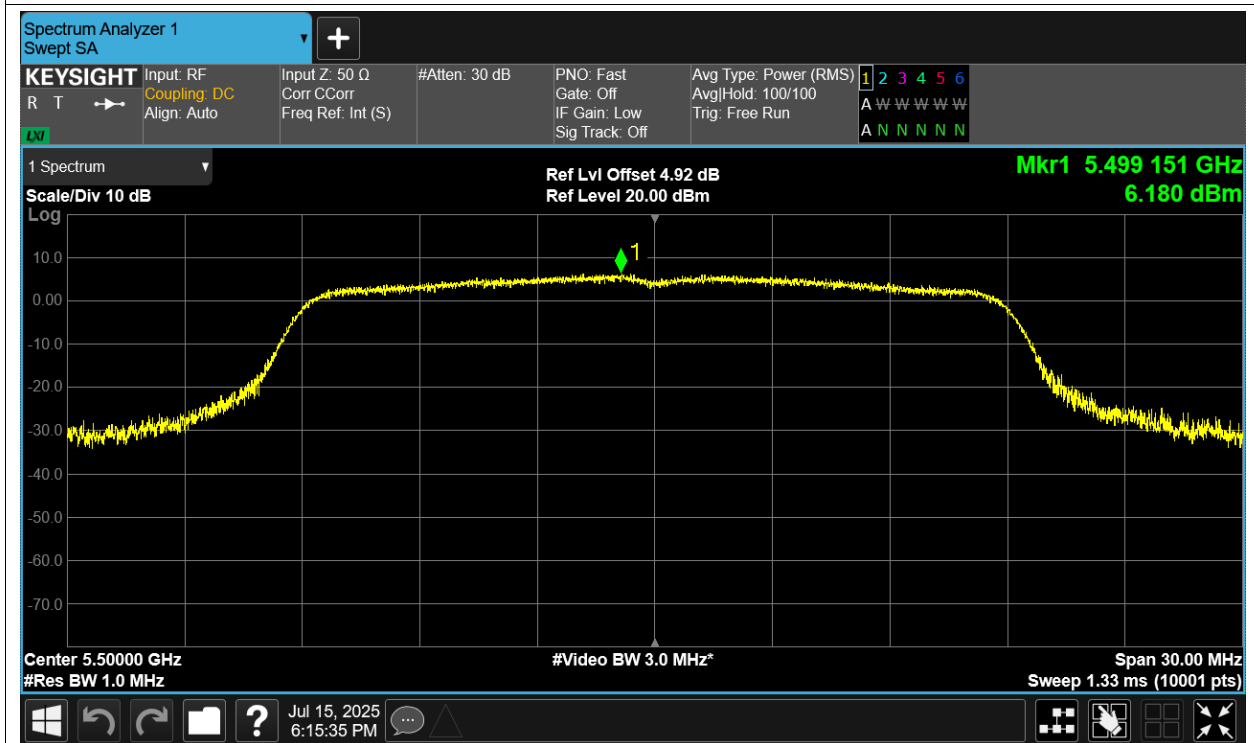
PSD NVNT a 5600MHz Ant1



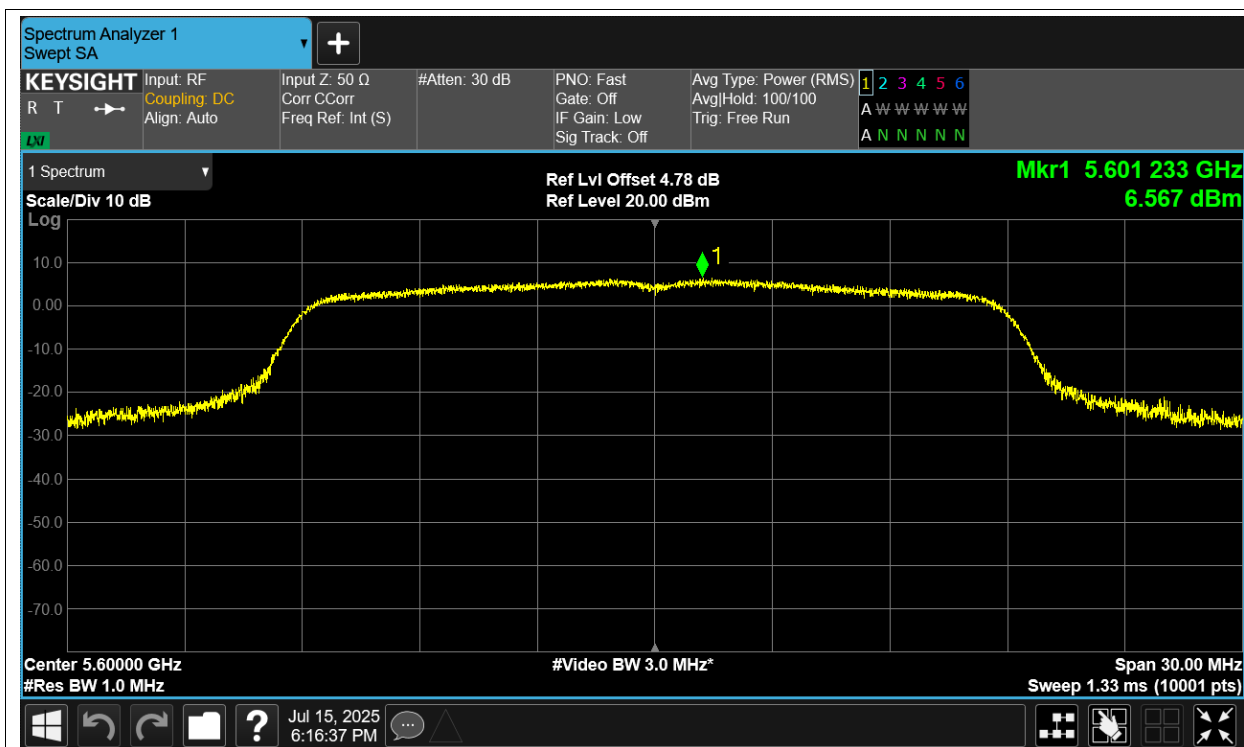
PSD NVNT a 5700MHz Ant1



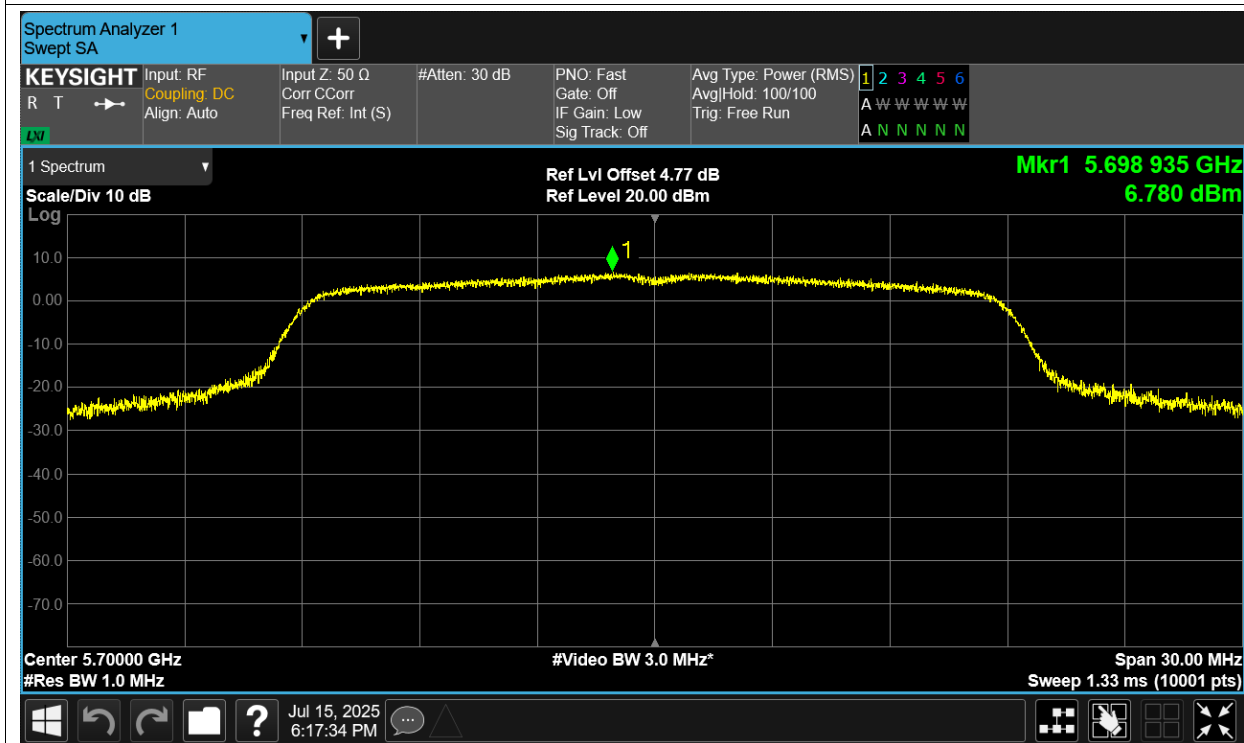
PSD NVNT ac20 5500MHz Ant1



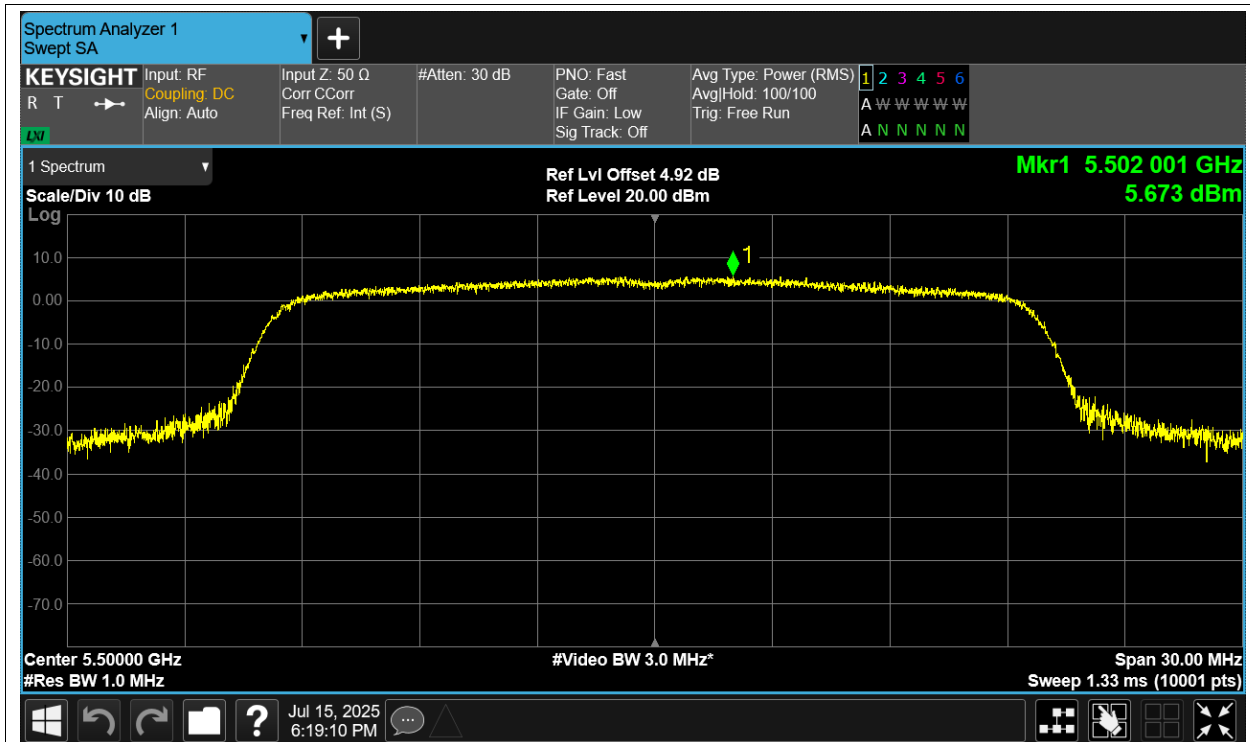
PSD NVNT ac20 5600MHz Ant1



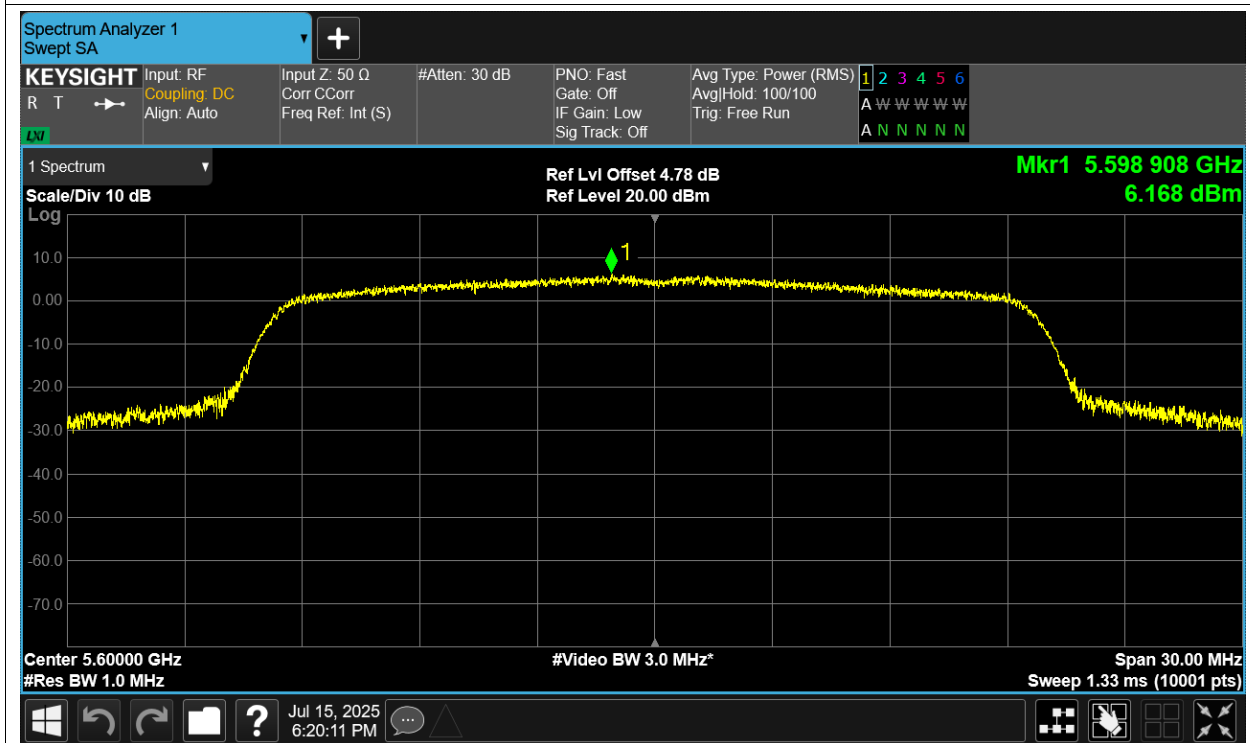
PSD NVNT ac20 5700MHz Ant1



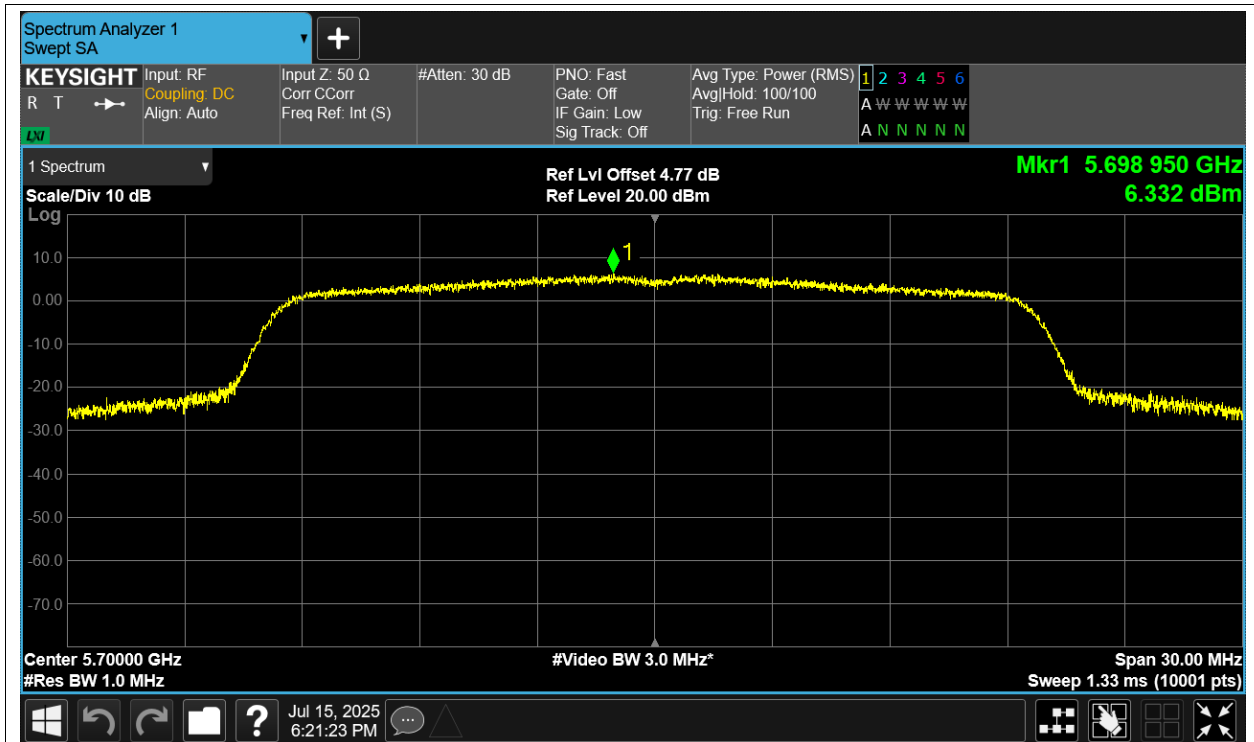
PSD NVNT ax20 5500MHz Ant1



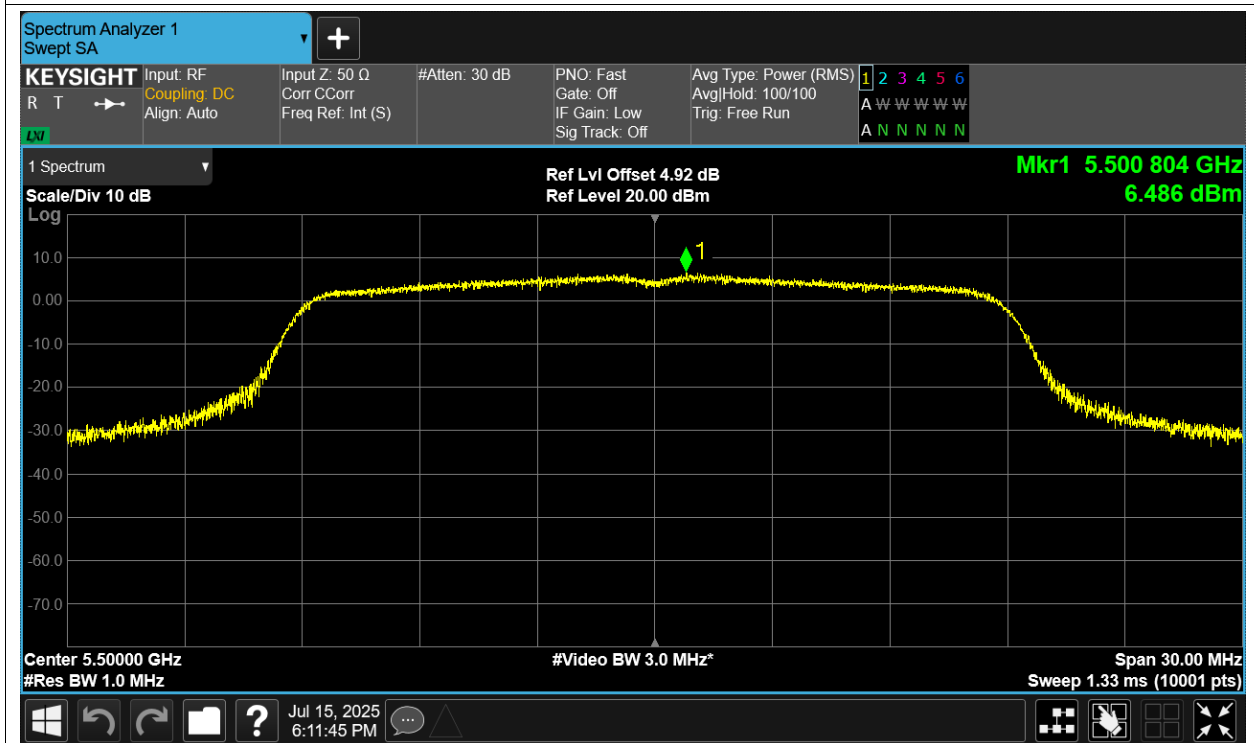
PSD NVNT ax20 5600MHz Ant1



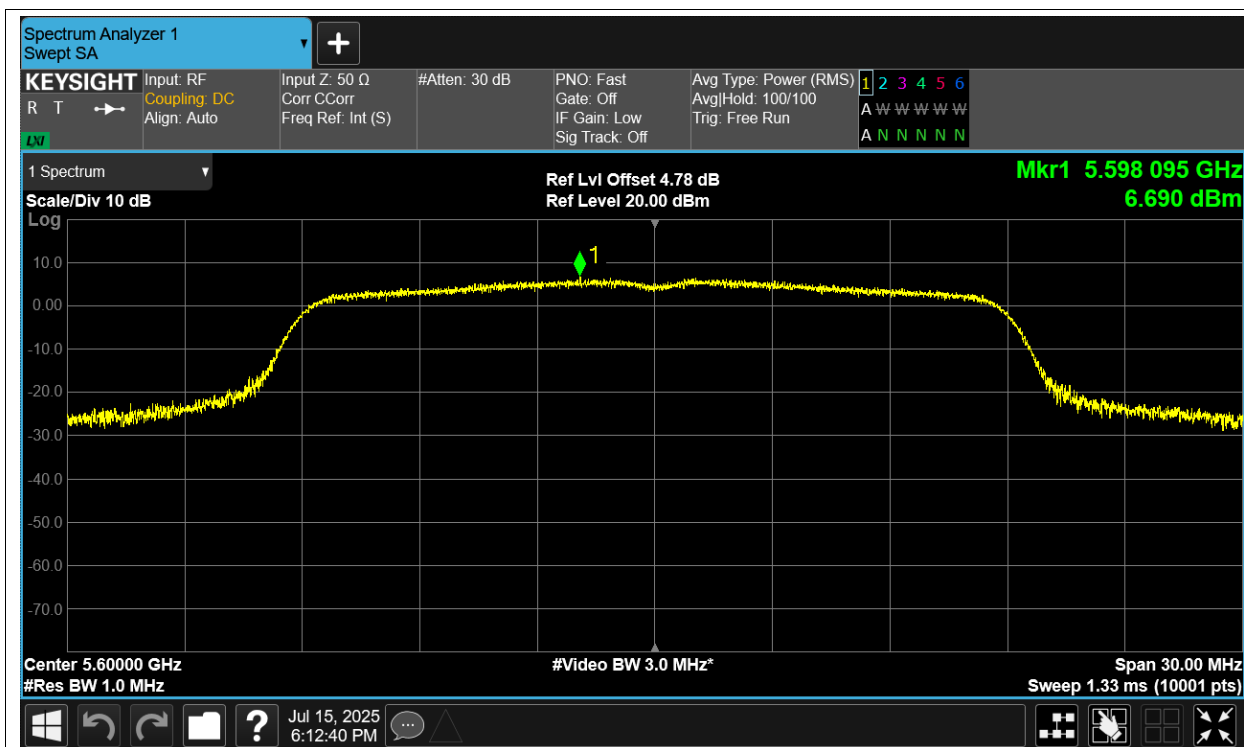
PSD NVNT ax20 5700MHz Ant1



PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5600MHz Ant1



PSD NVNT n20 5700MHz Ant1

