

Test Data

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant3	5499.983	-3.09	Within authorized band	Pass
LVNT	a	5500	Ant3	5499.983	-3.09		Pass
NVHT	a	5500	Ant3	5499.983	-3.09		Pass
NVLT	a	5500	Ant3	5499.983	-3.09		Pass
NVNT	a	5500	Ant3	5499.9835	-3		Pass
HVNT	ac80	5530	Ant3	5529.9825	-3.16		Pass
LVNT	ac80	5530	Ant3	5529.9825	-3.16		Pass
NVHT	ac80	5530	Ant3	5529.983	-3.07		Pass
NVLT	ac80	5530	Ant3	5529.983	-3.07		Pass
NVNT	ac80	5530	Ant3	5529.9835	-2.98		Pass
HVNT	n40	5510	Ant3	5509.9825	-3.18		Pass
LVNT	n40	5510	Ant3	5509.983	-3.09		Pass
NVHT	n40	5510	Ant3	5509.983	-3.09		Pass
NVLT	n40	5510	Ant3	5509.983	-3.09		Pass
NVNT	n40	5510	Ant3	5509.9835	-2.99		Pass

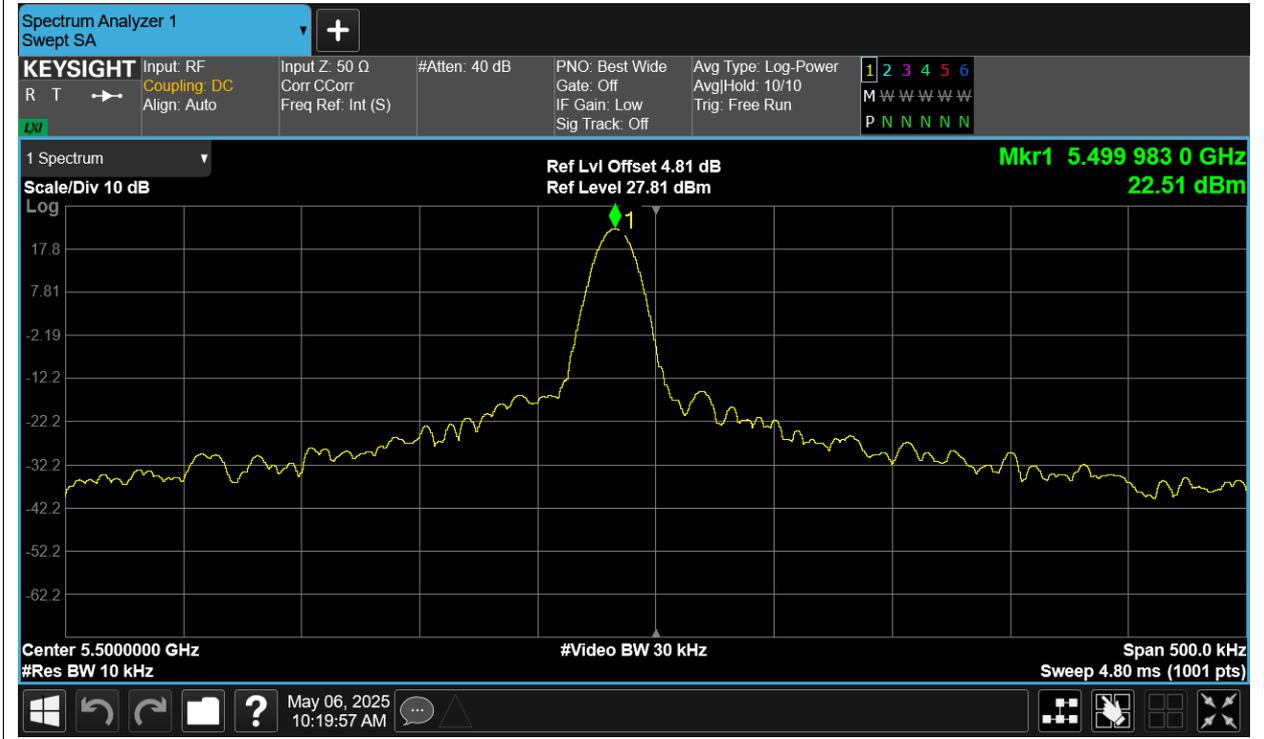
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

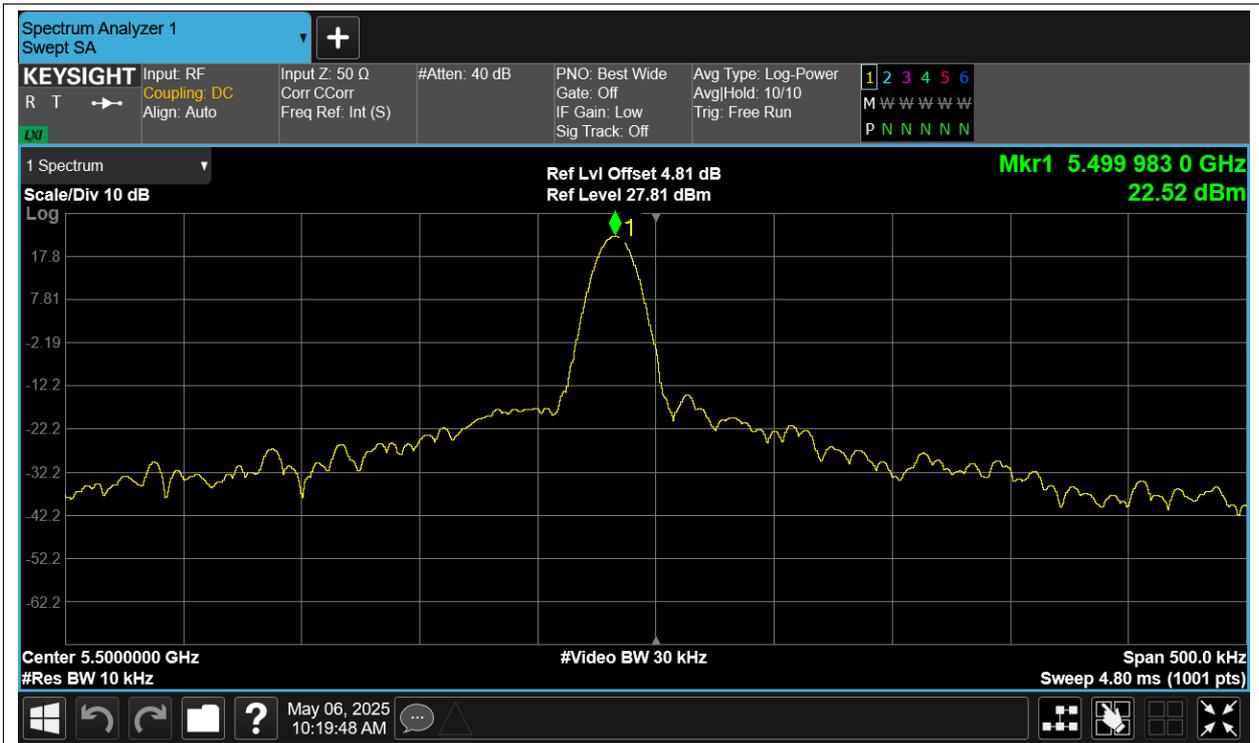
Freq. Stability HVNT a 5500MHz Ant3



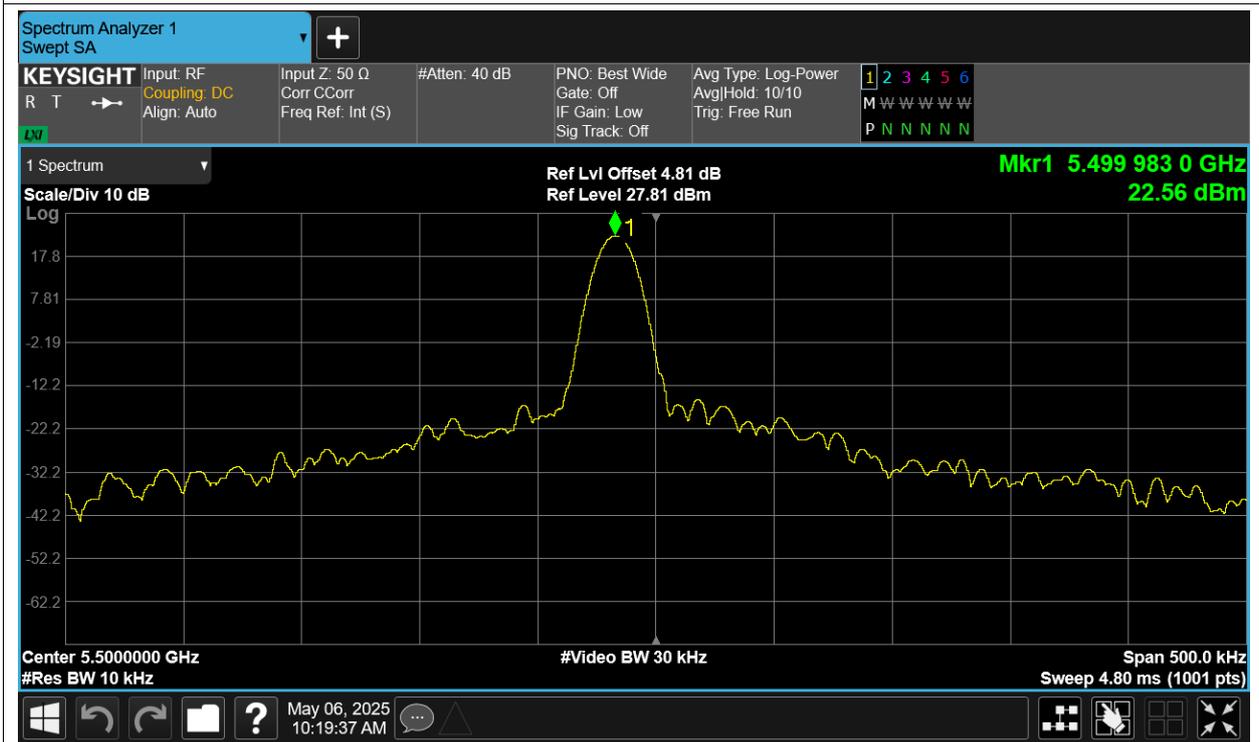
Freq. Stability LVNT a 5500MHz Ant3



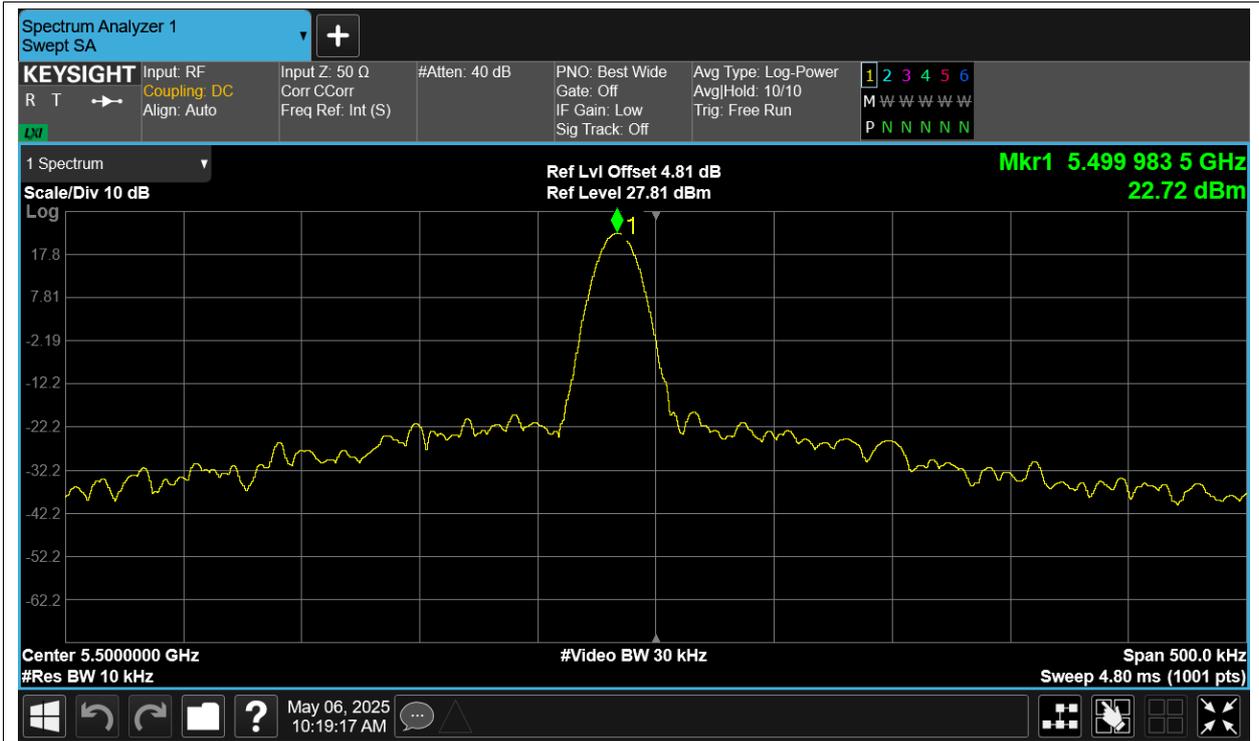
Freq. Stability NVHT a 5500MHz Ant3



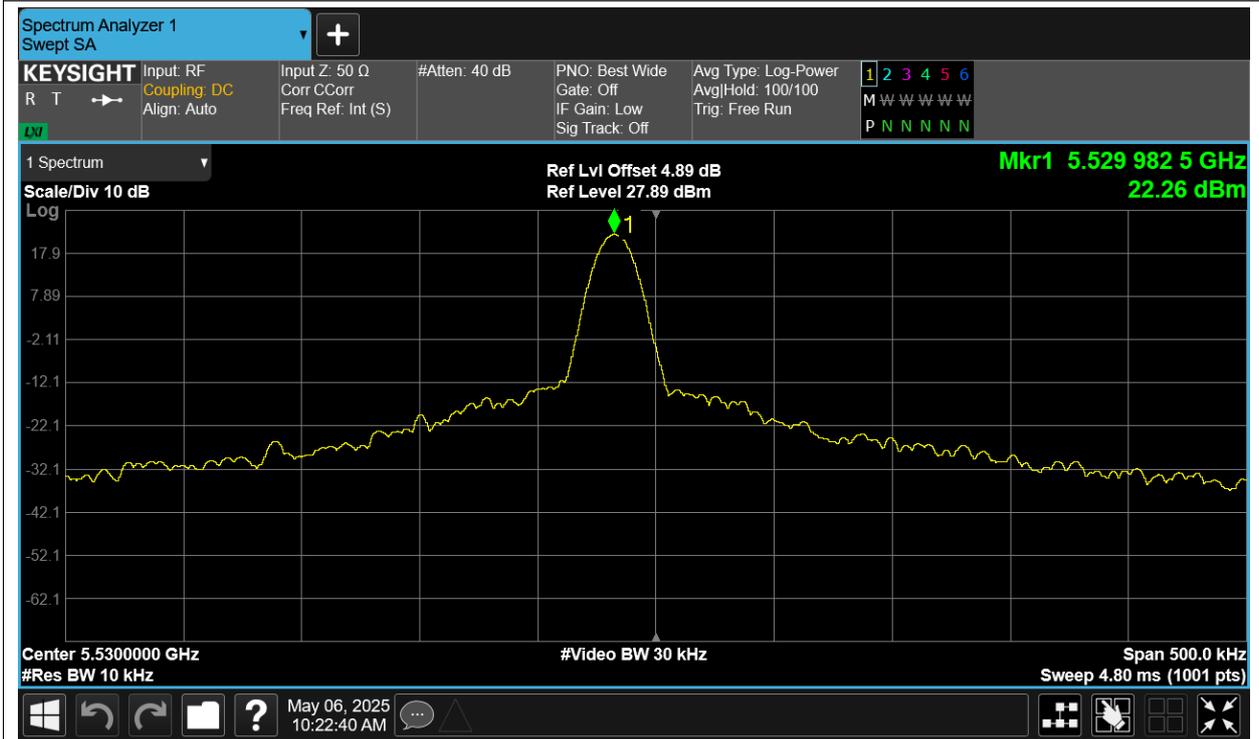
Freq. Stability NVLT a 5500MHz Ant3



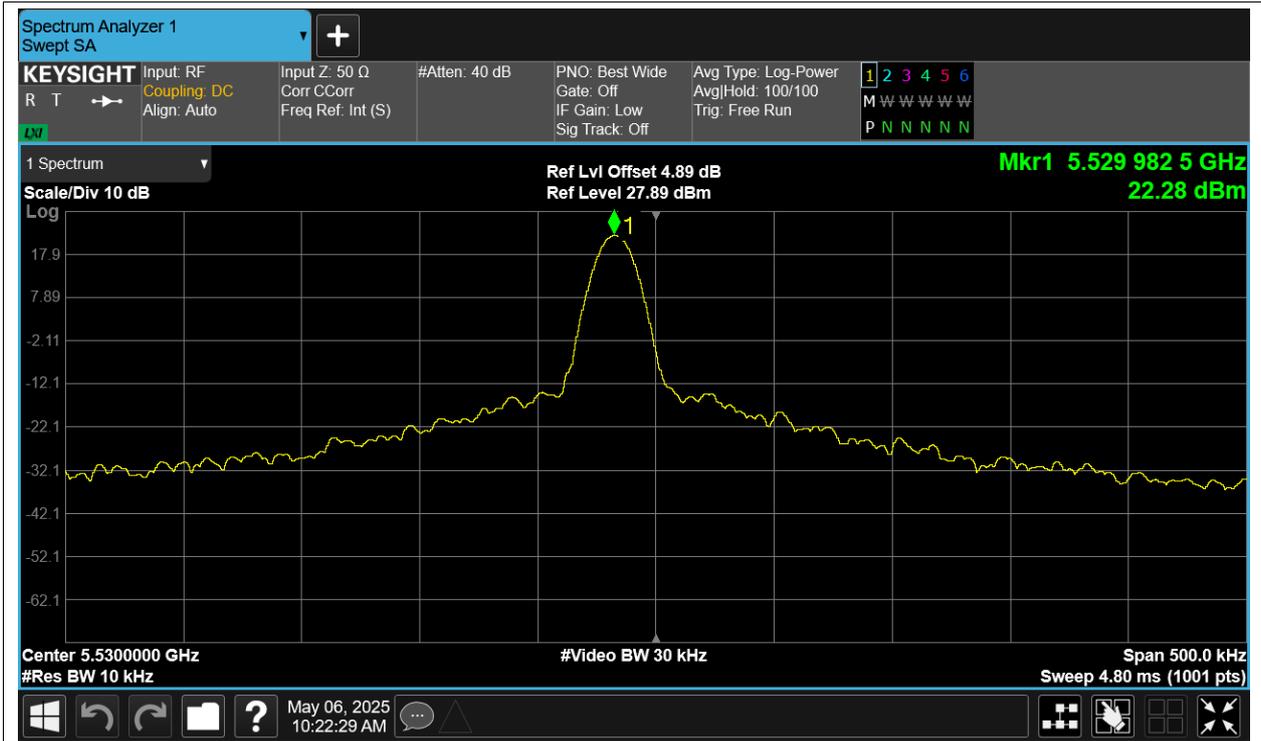
Freq. Stability NVNT a 5500MHz Ant3



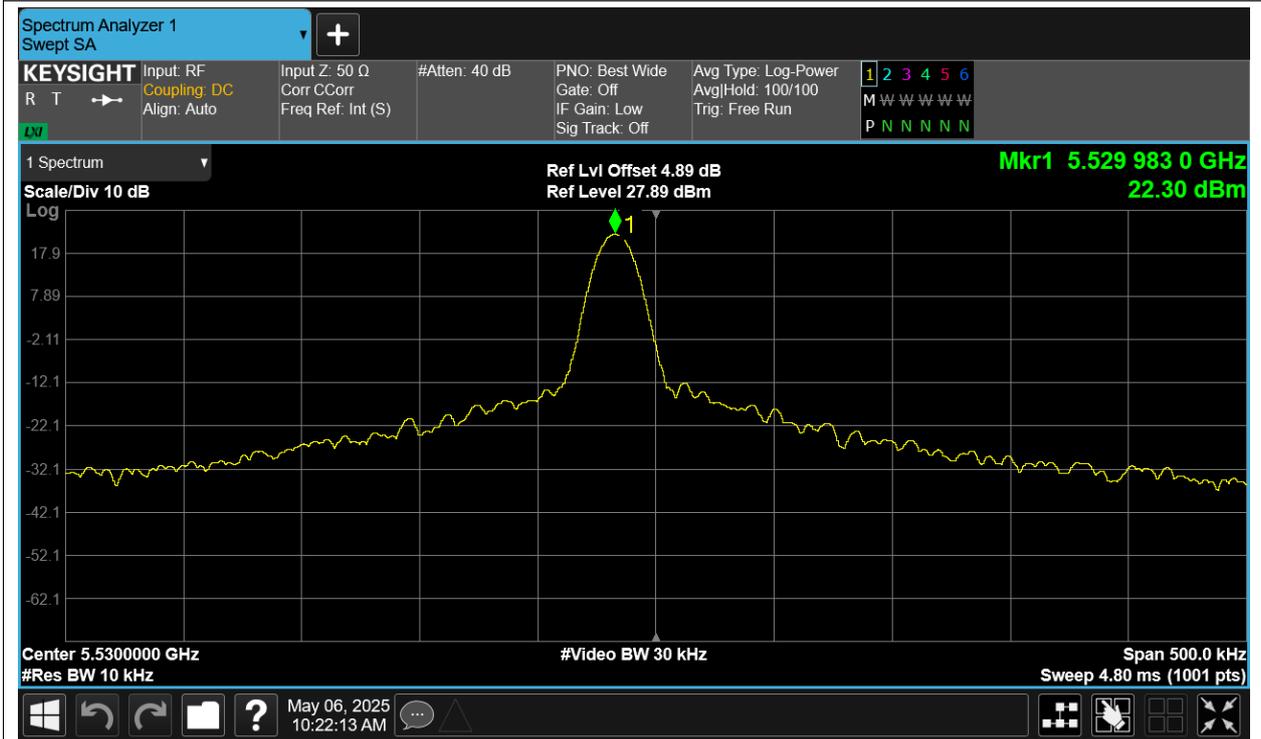
Freq. Stability HVNT ac80 5530MHz Ant3



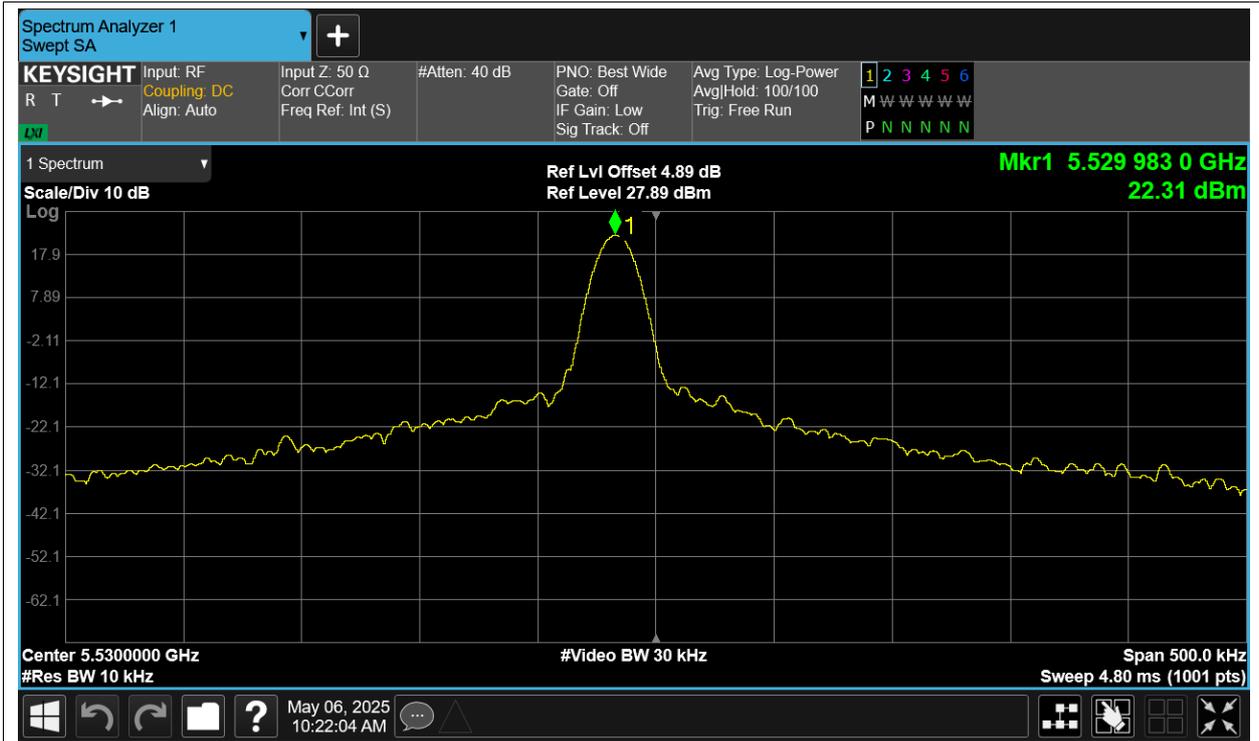
Freq. Stability LVNT ac80 5530MHz Ant3



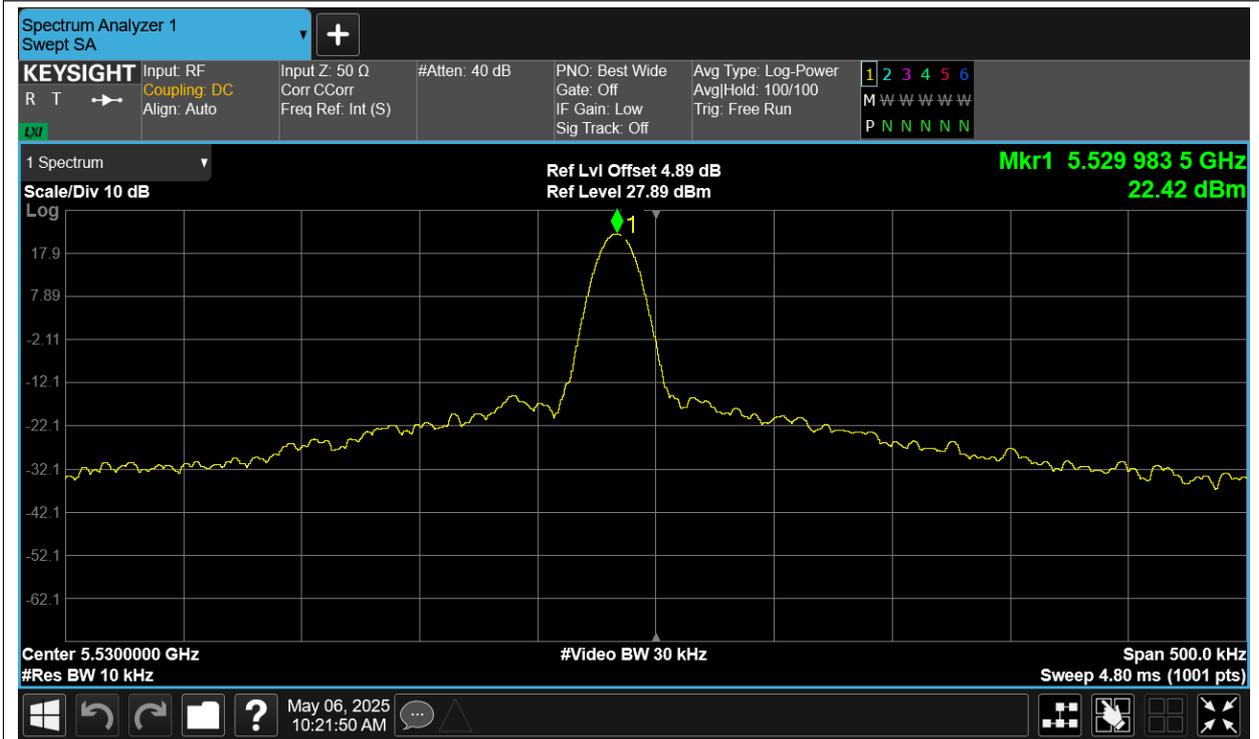
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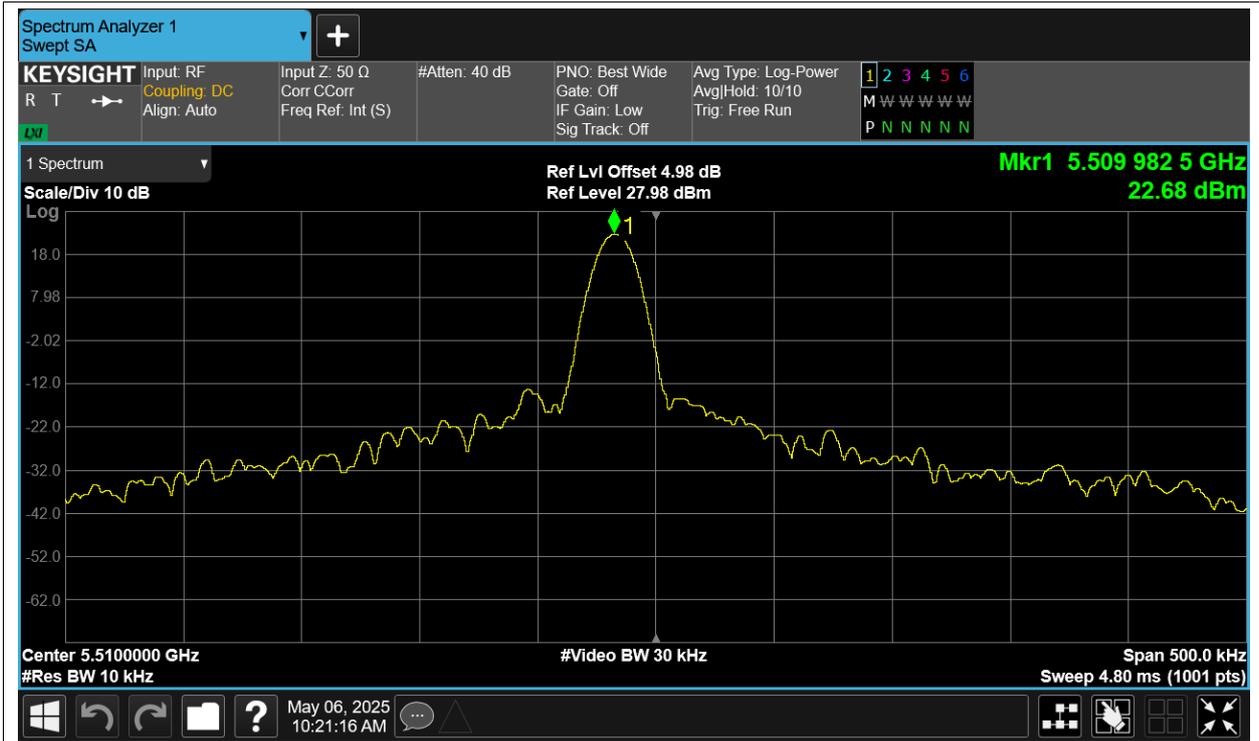
Freq. Stability NVLT ac80 5530MHz Ant3



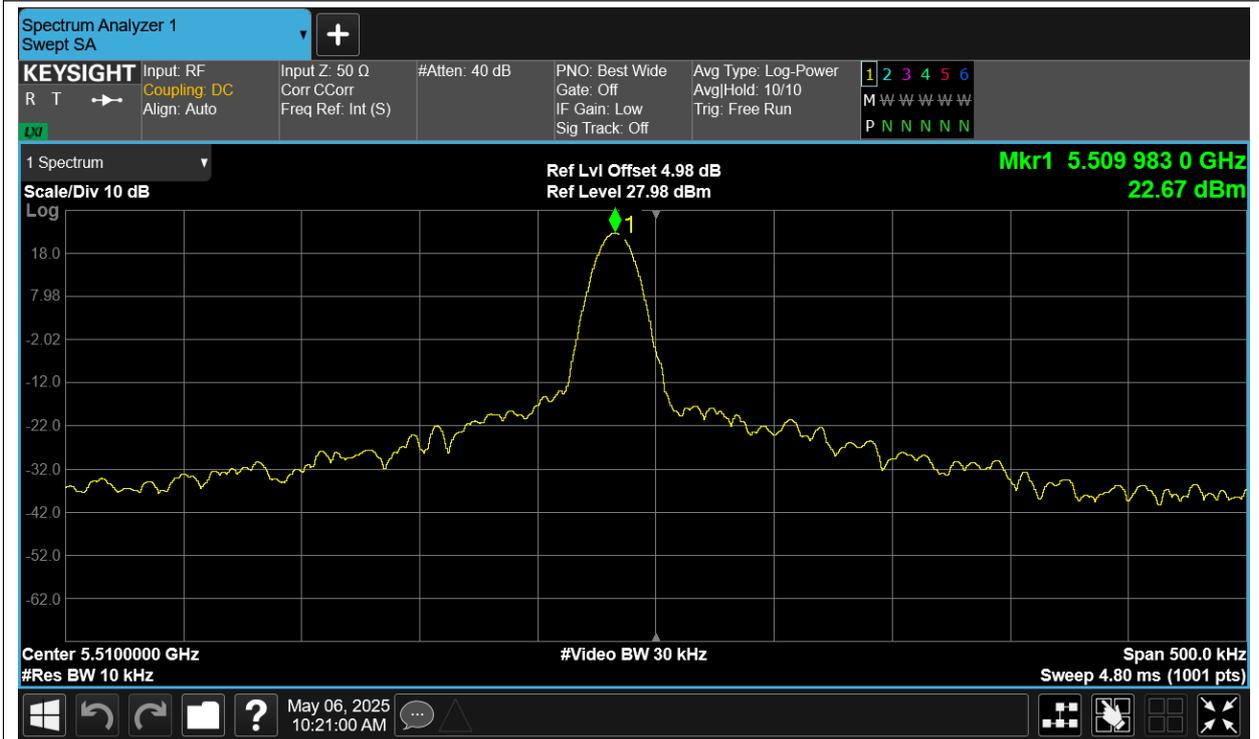
Freq. Stability NVNT ac80 5530MHz Ant3



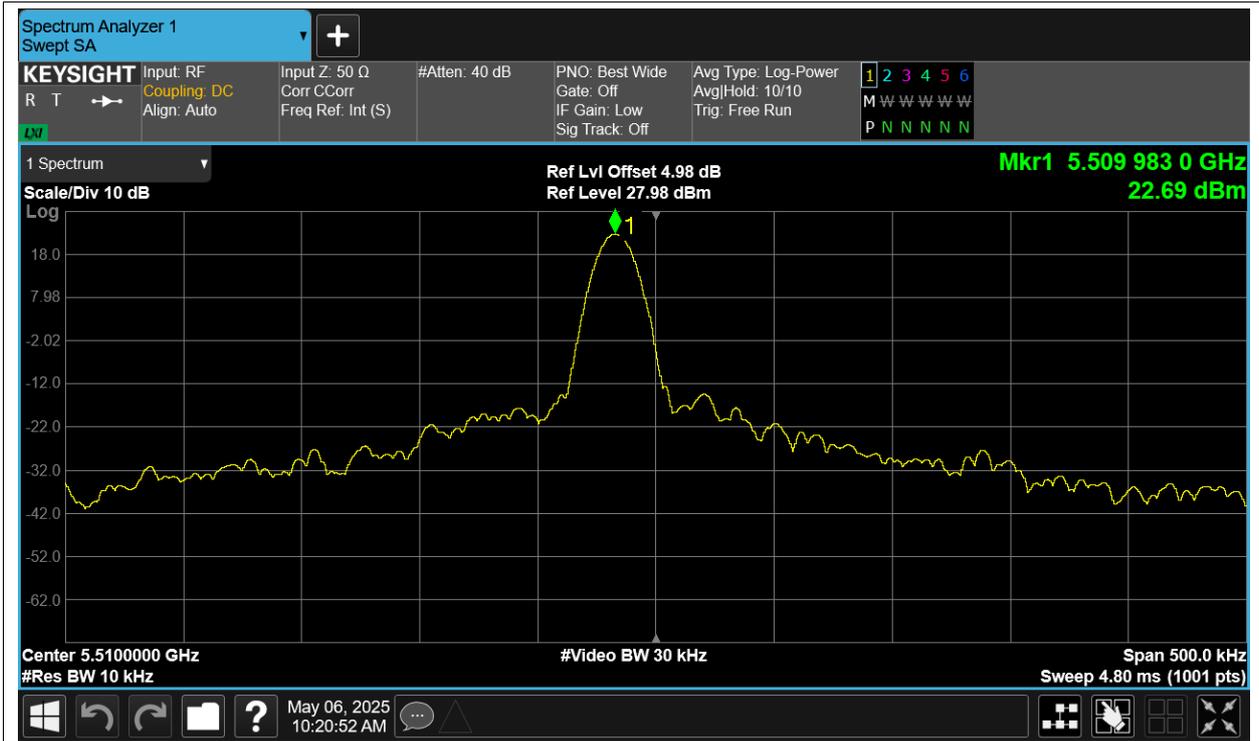
Freq. Stability HVNT n40 5510MHz Ant3



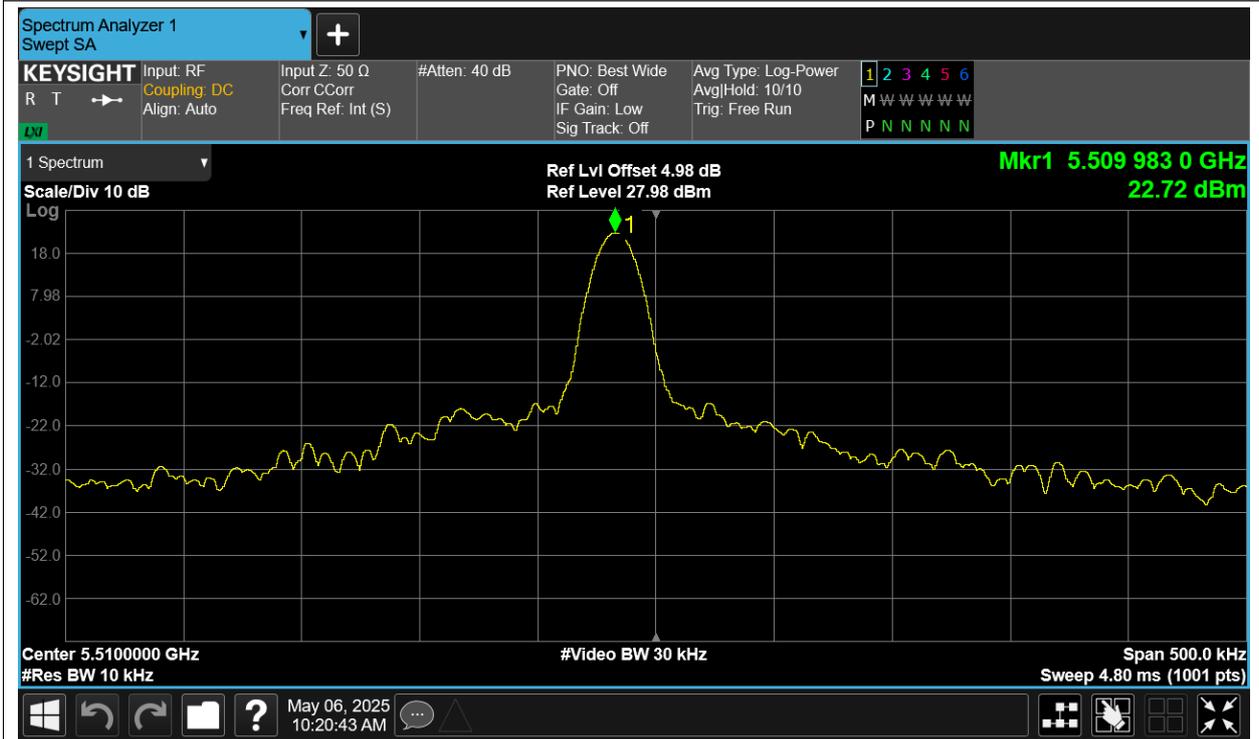
Freq. Stability LVNT n40 5510MHz Ant3



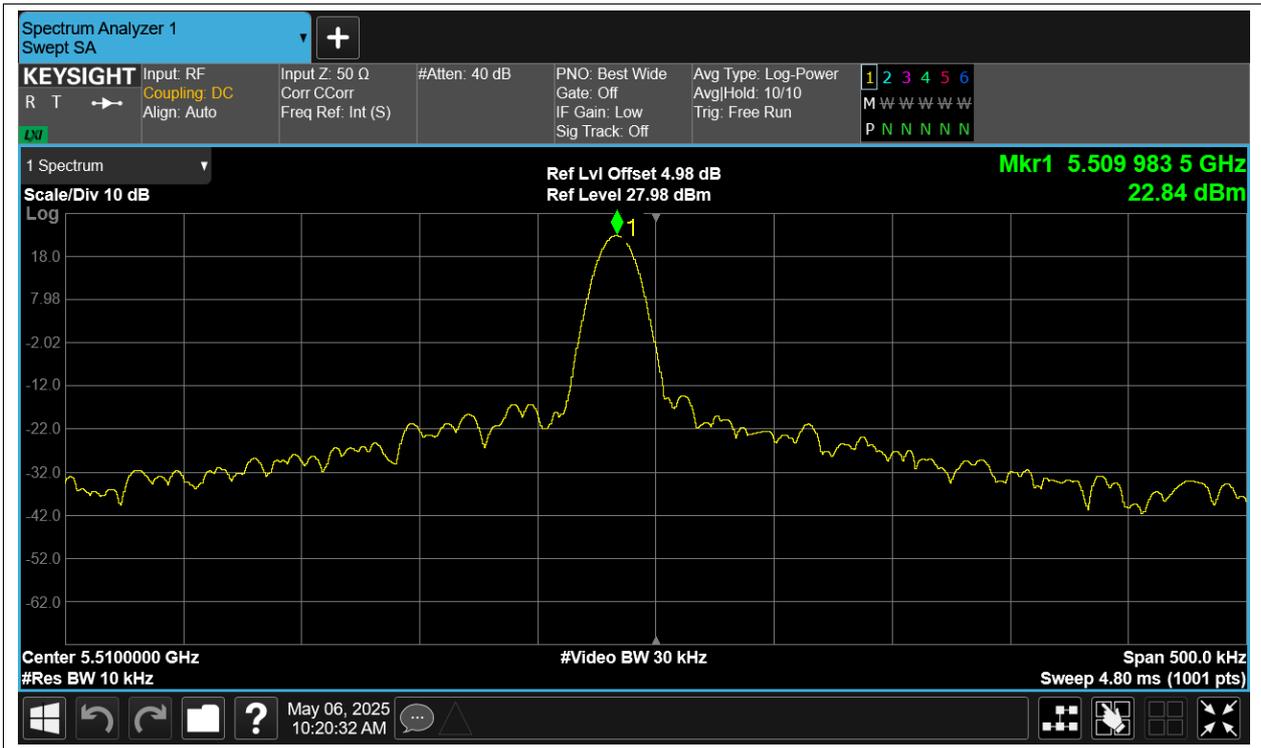
Freq. Stability NVHT n40 5510MHz Ant3



Freq. Stability NVLT n40 5510MHz Ant3



Freq. Stability NVNT n40 5510MHz Ant3

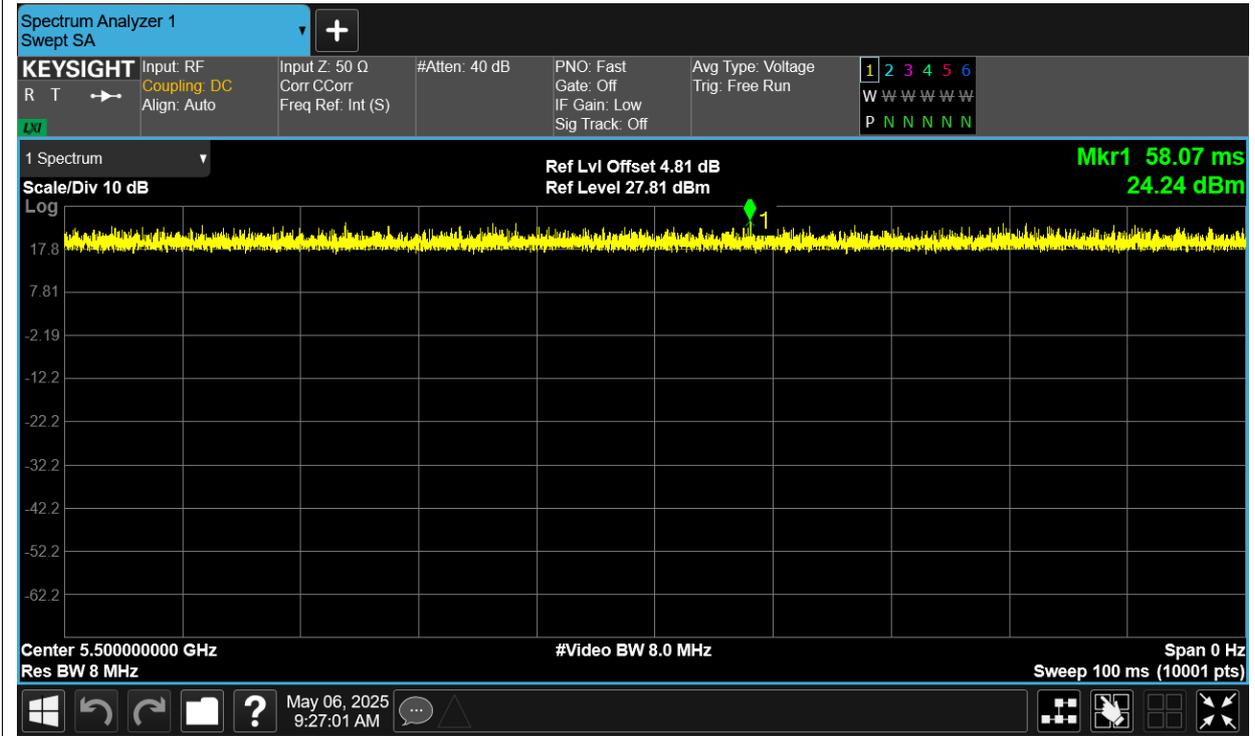


Duty Cycle

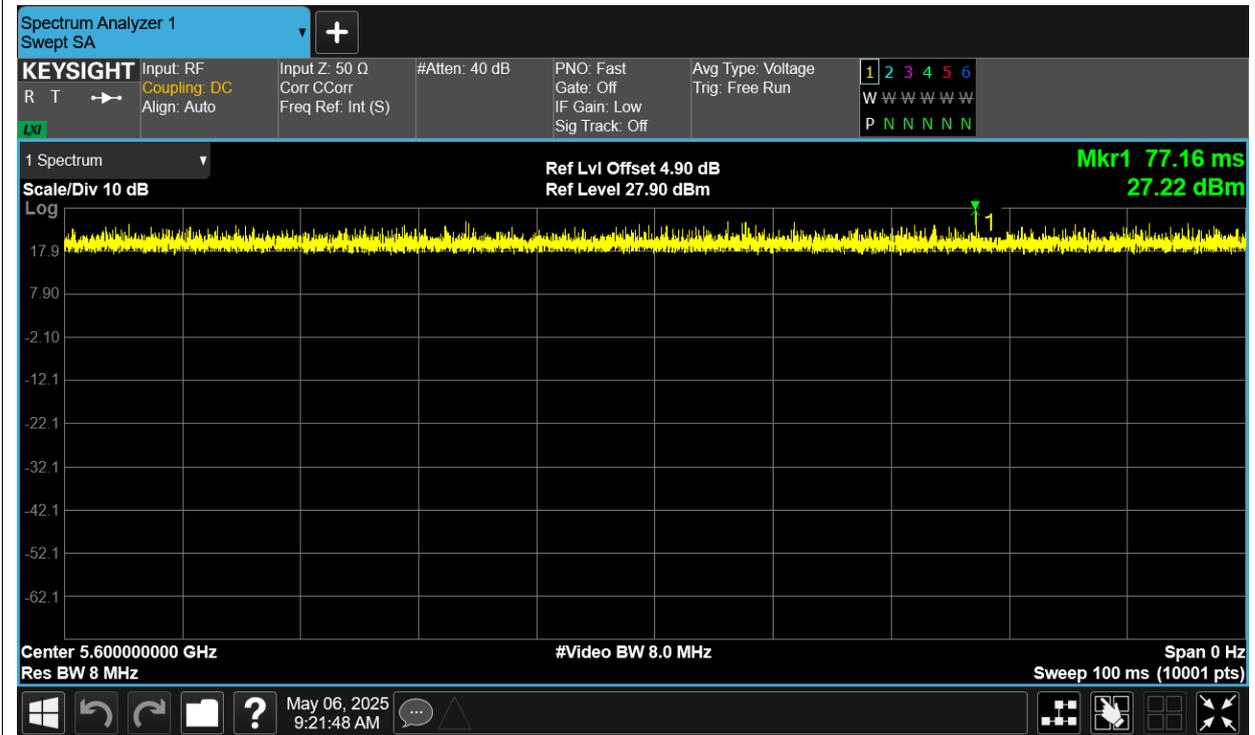
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant3	100	0
NVNT	a	5600	Ant3	100	0
NVNT	a	5700	Ant3	100	0
NVNT	ac20	5500	Ant3	100	0
NVNT	ac20	5600	Ant3	100	0
NVNT	ac20	5700	Ant3	100	0
NVNT	ac40	5510	Ant3	100	0
NVNT	ac40	5590	Ant3	100	0
NVNT	ac40	5670	Ant3	100	0
NVNT	ac80	5530	Ant3	100	0
NVNT	ac80	5610	Ant3	100	0
NVNT	n20	5500	Ant3	100	0
NVNT	n20	5600	Ant3	100	0
NVNT	n20	5700	Ant3	100	0
NVNT	n40	5510	Ant3	100	0
NVNT	n40	5590	Ant3	100	0
NVNT	n40	5670	Ant3	100	0

Test Graphs

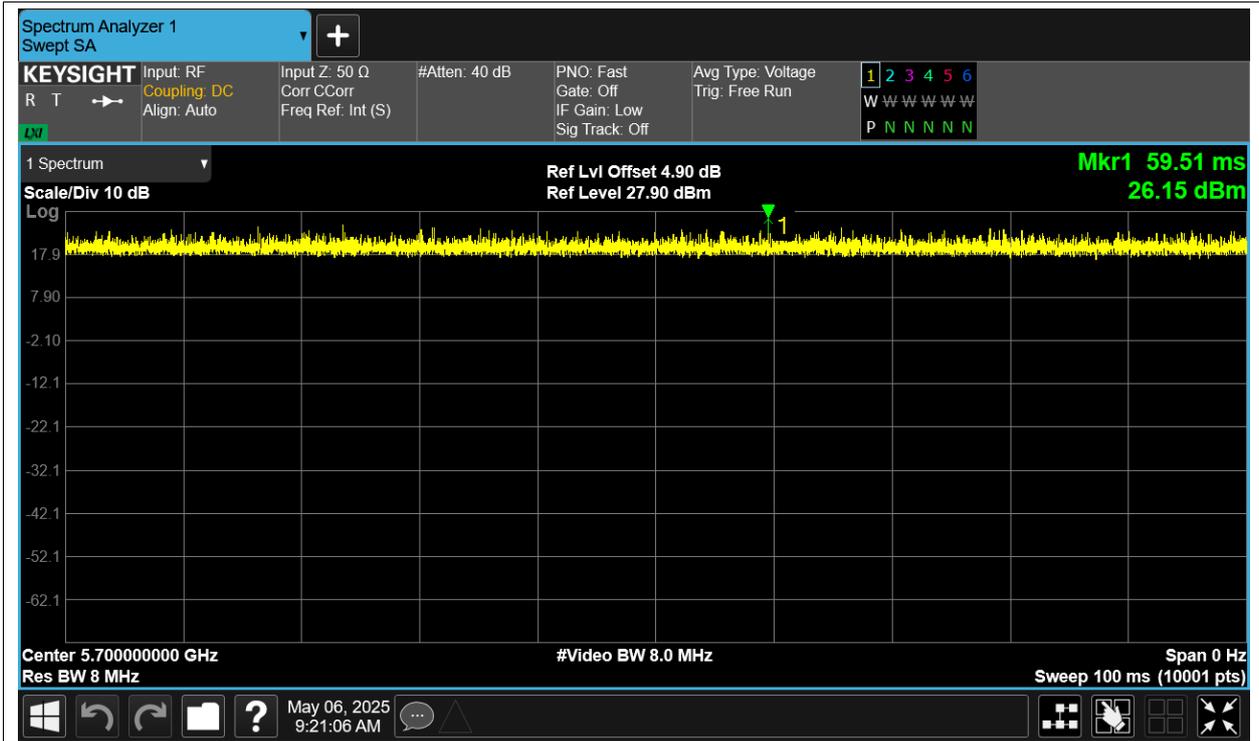
Duty Cycle NVNT a 5500MHz Ant3



Duty Cycle NVNT a 5600MHz Ant3



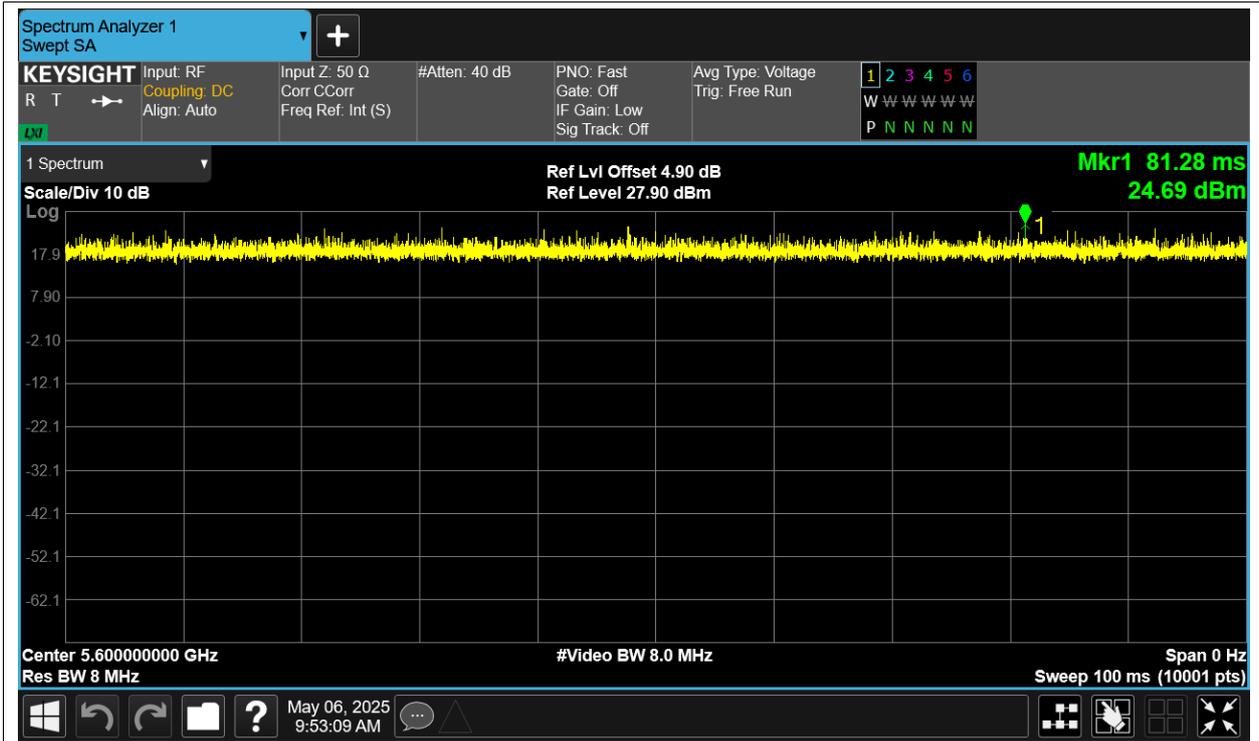
Duty Cycle NVNT a 5700MHz Ant3



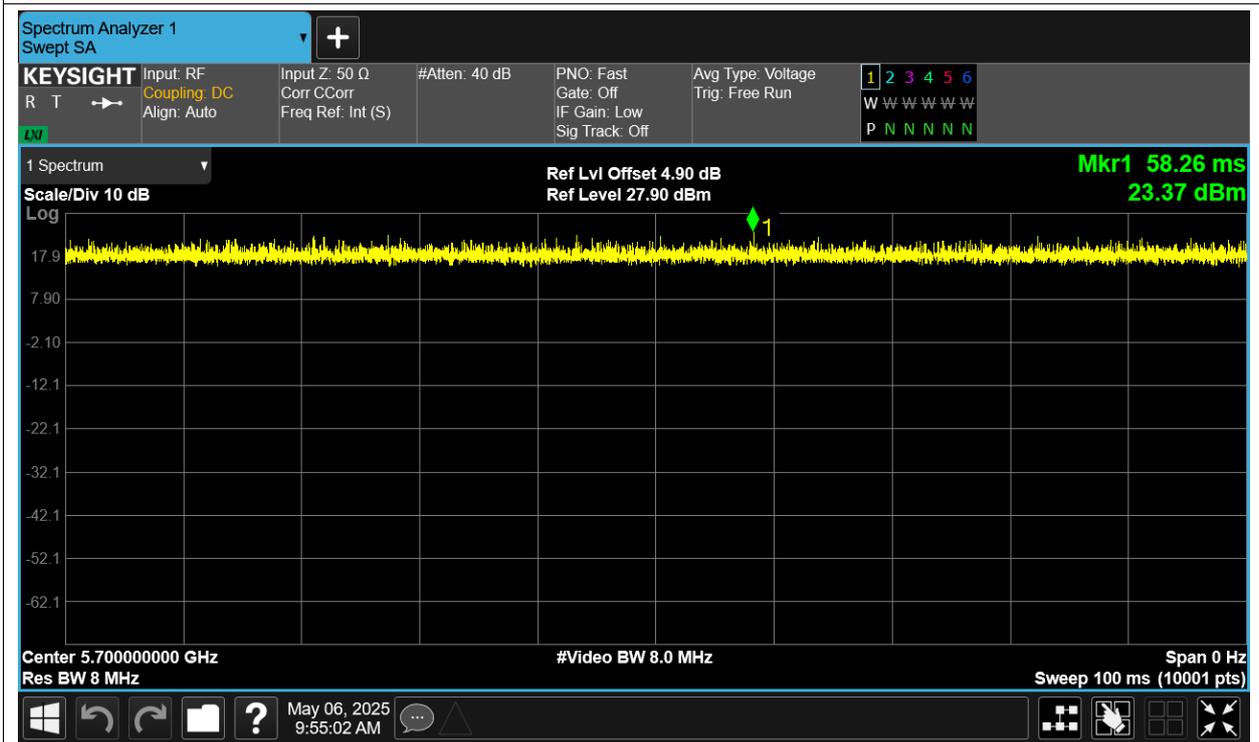
Duty Cycle NVNT ac20 5500MHz Ant3



Duty Cycle NVNT ac20 5600MHz Ant3



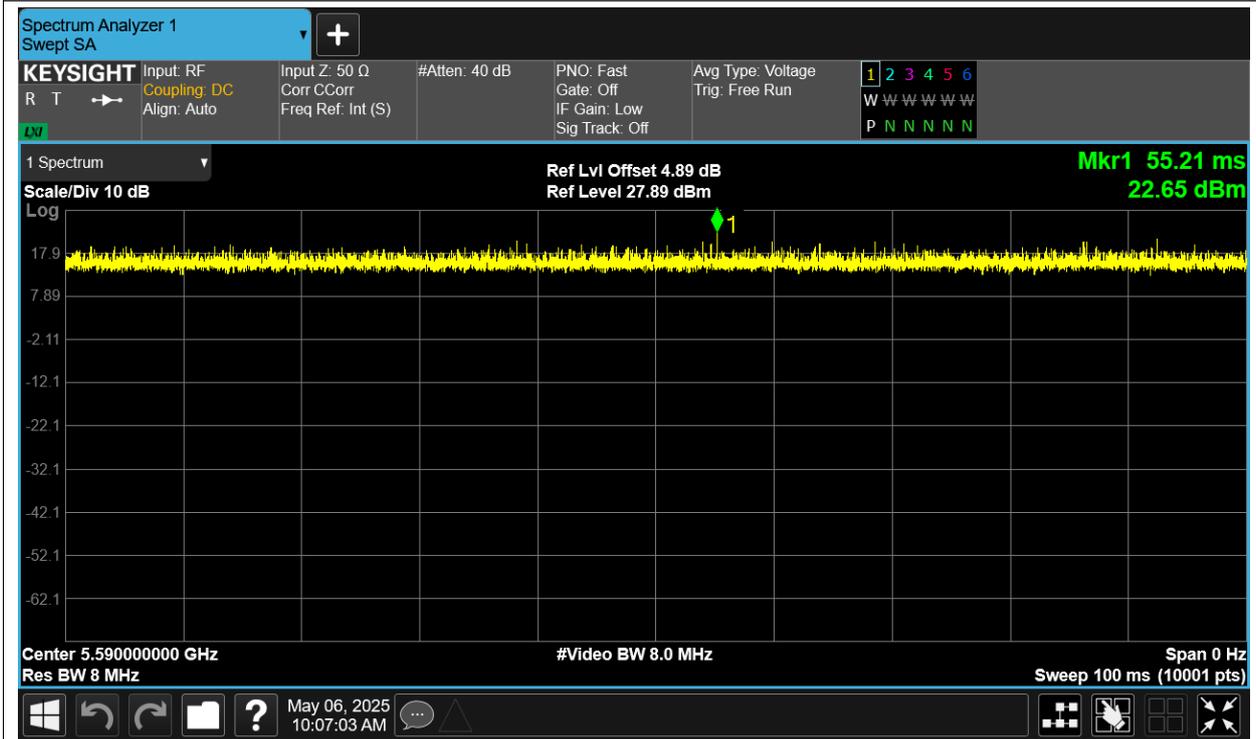
Duty Cycle NVNT ac20 5700MHz Ant3



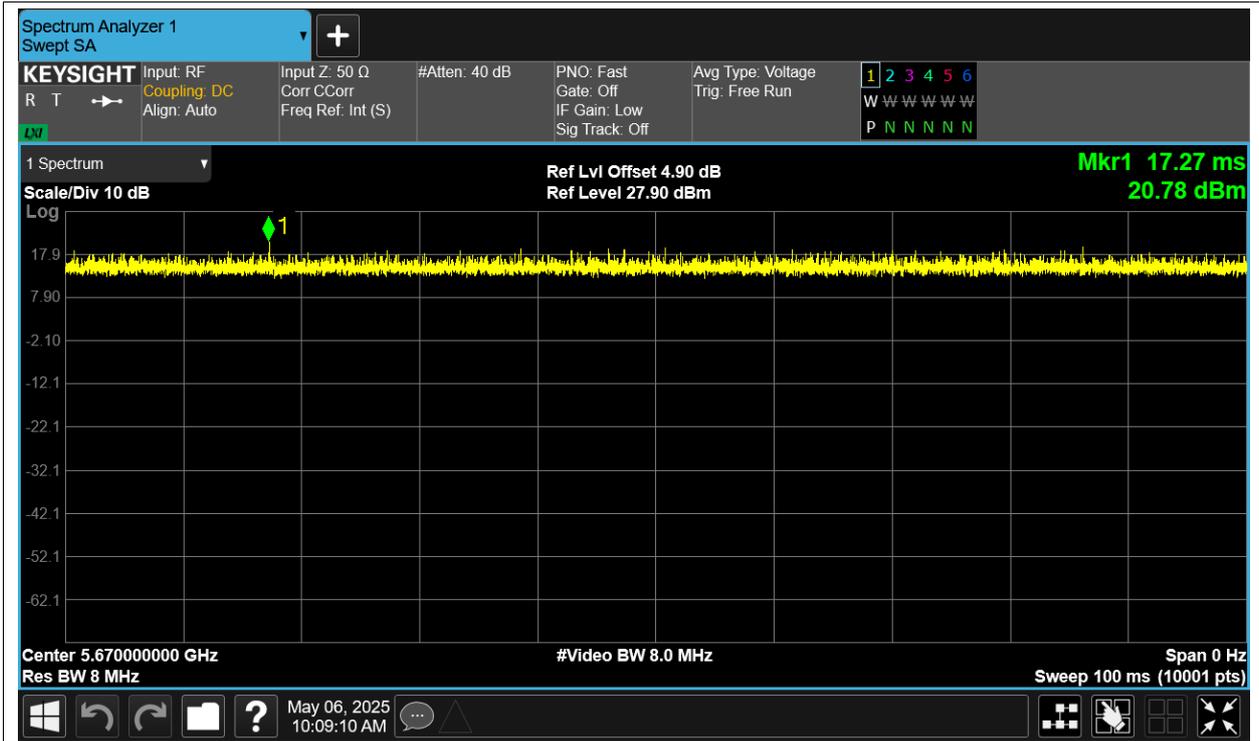
Duty Cycle NVNT ac40 5510MHz Ant3



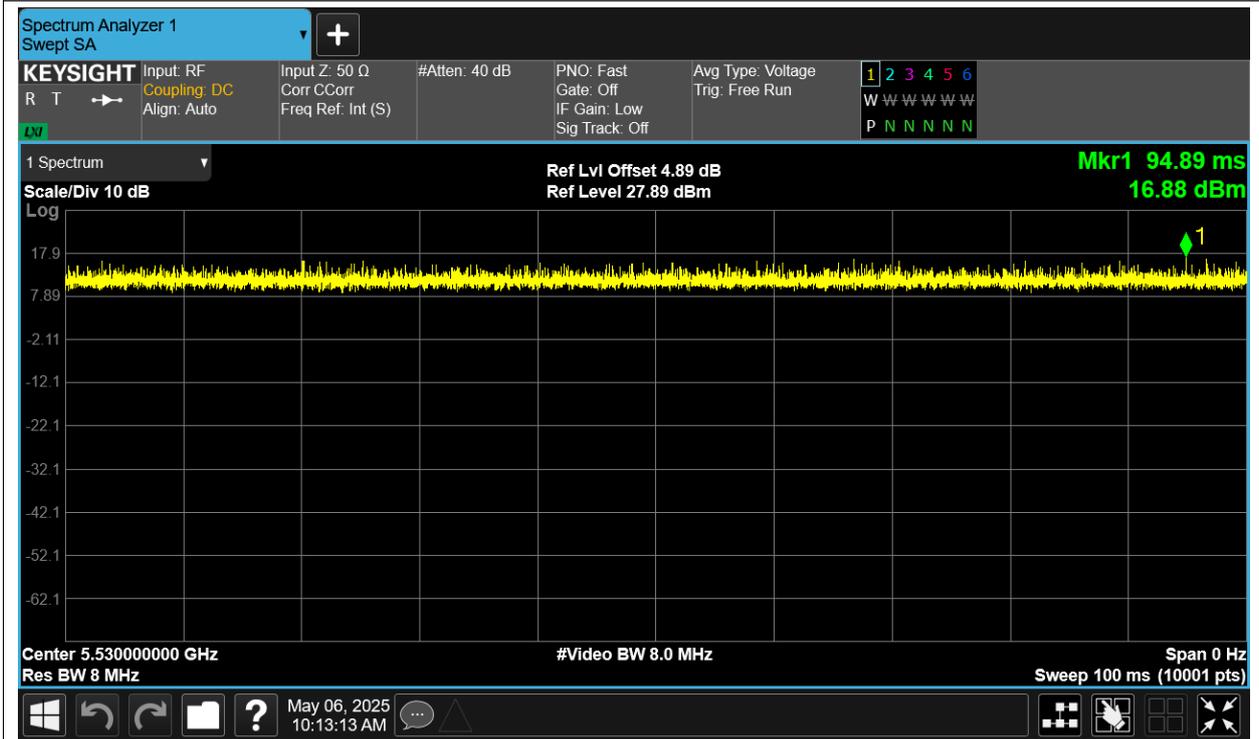
Duty Cycle NVNT ac40 5590MHz Ant3



Duty Cycle NVNT ac40 5670MHz Ant3



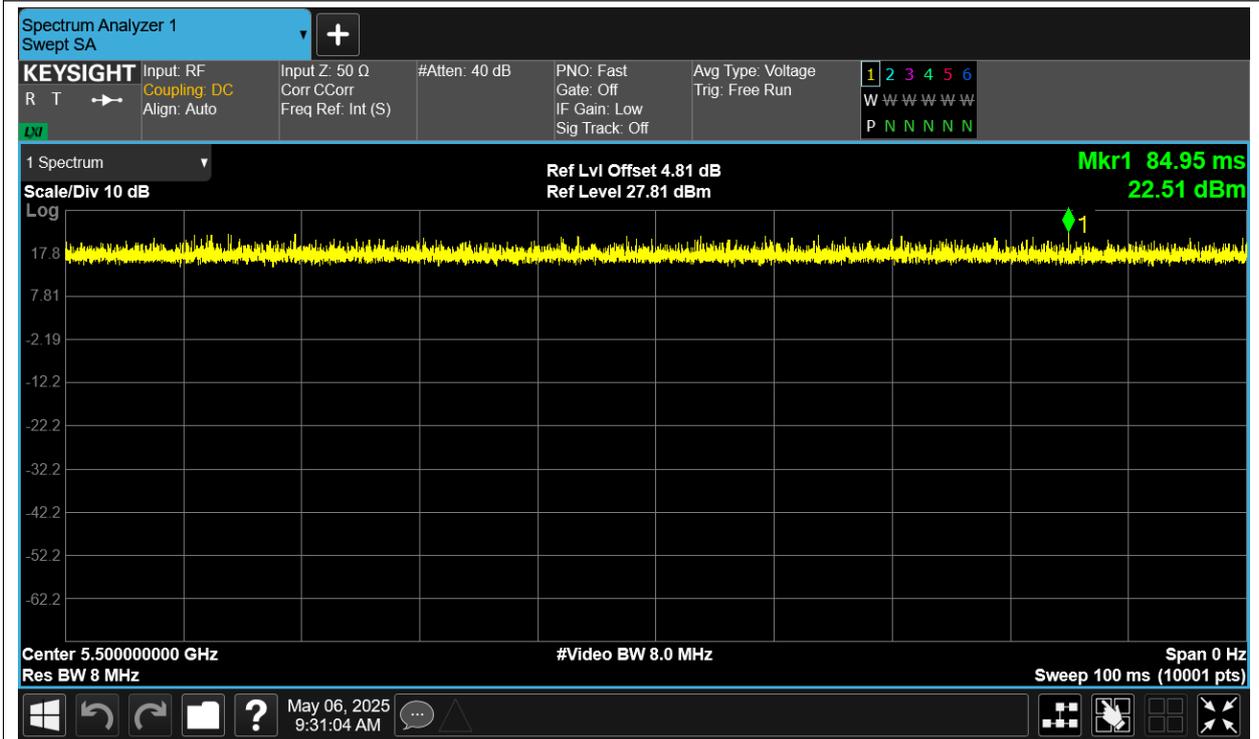
Duty Cycle NVNT ac80 5530MHz Ant3



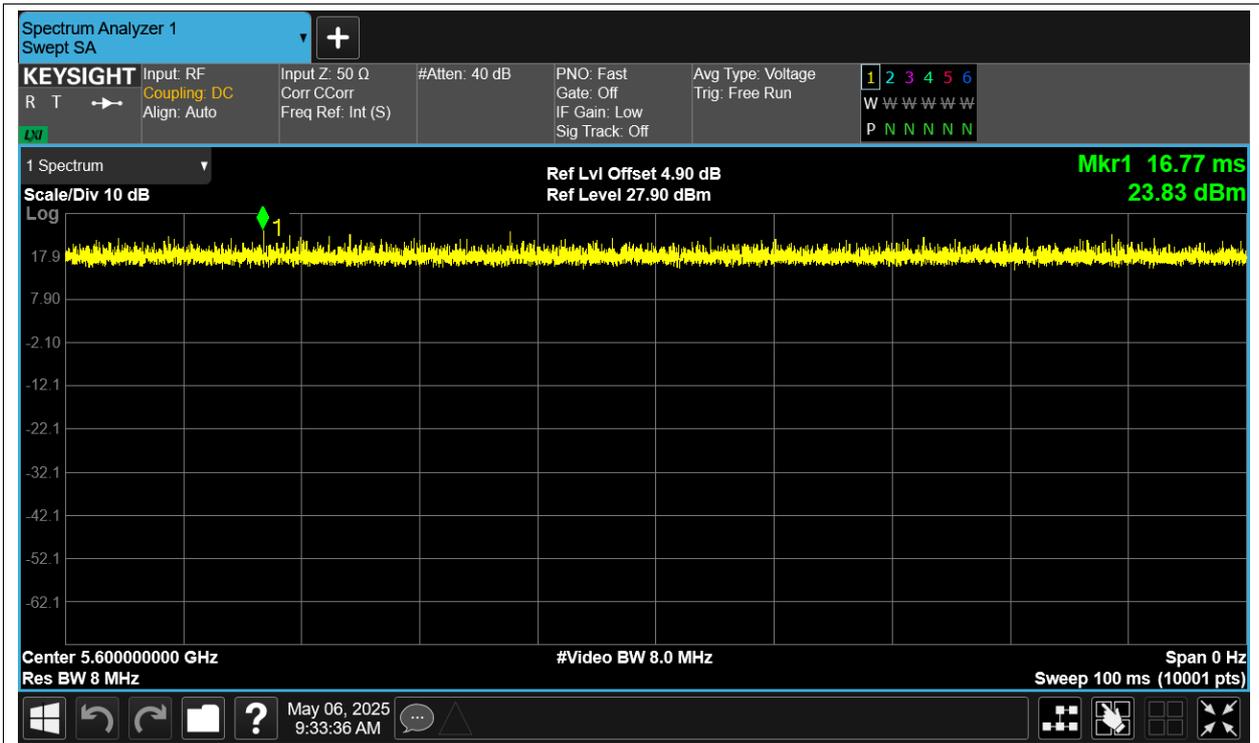
Duty Cycle NVNT ac80 5610MHz Ant3



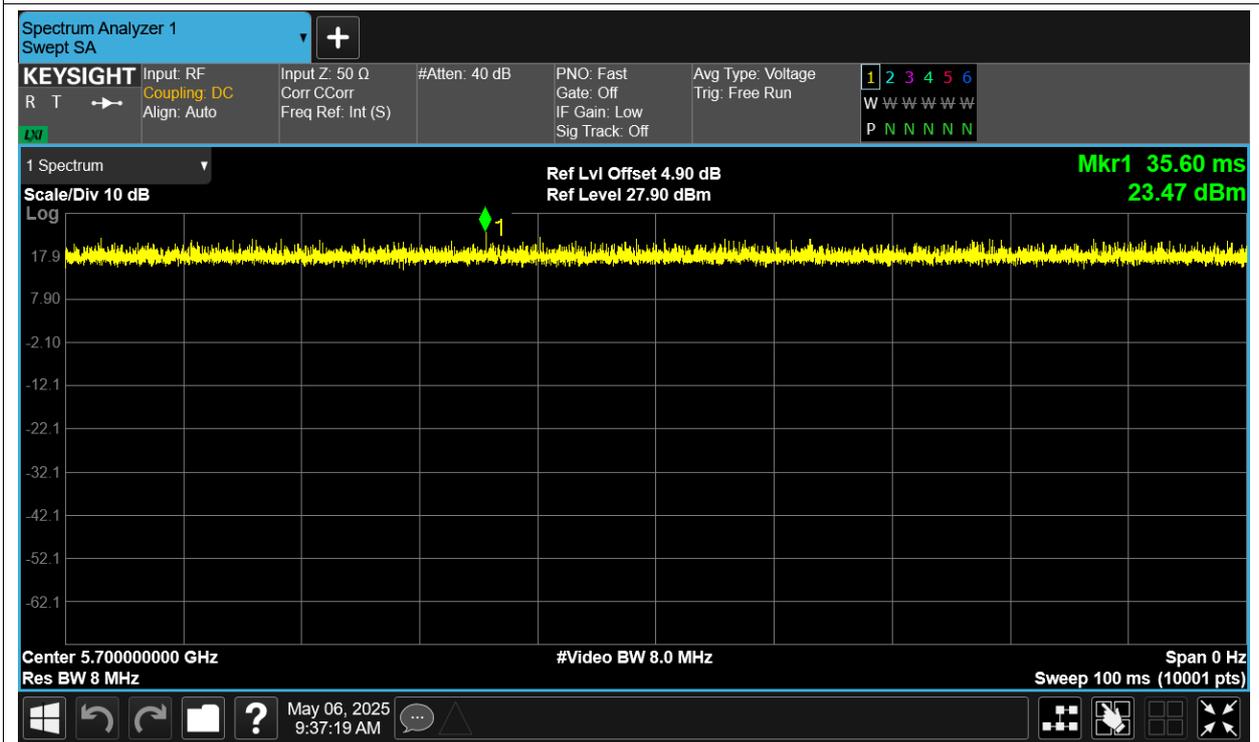
Duty Cycle NVNT n20 5500MHz Ant3



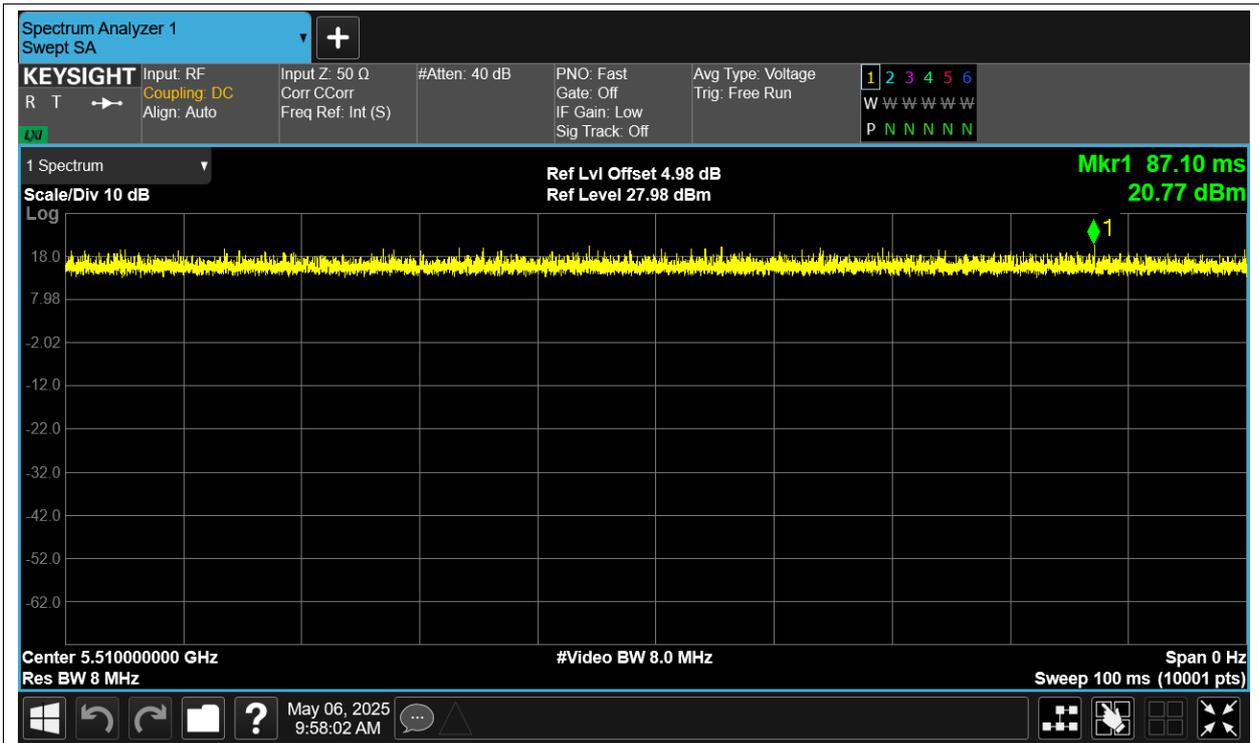
Duty Cycle NVNT n20 5600MHz Ant3



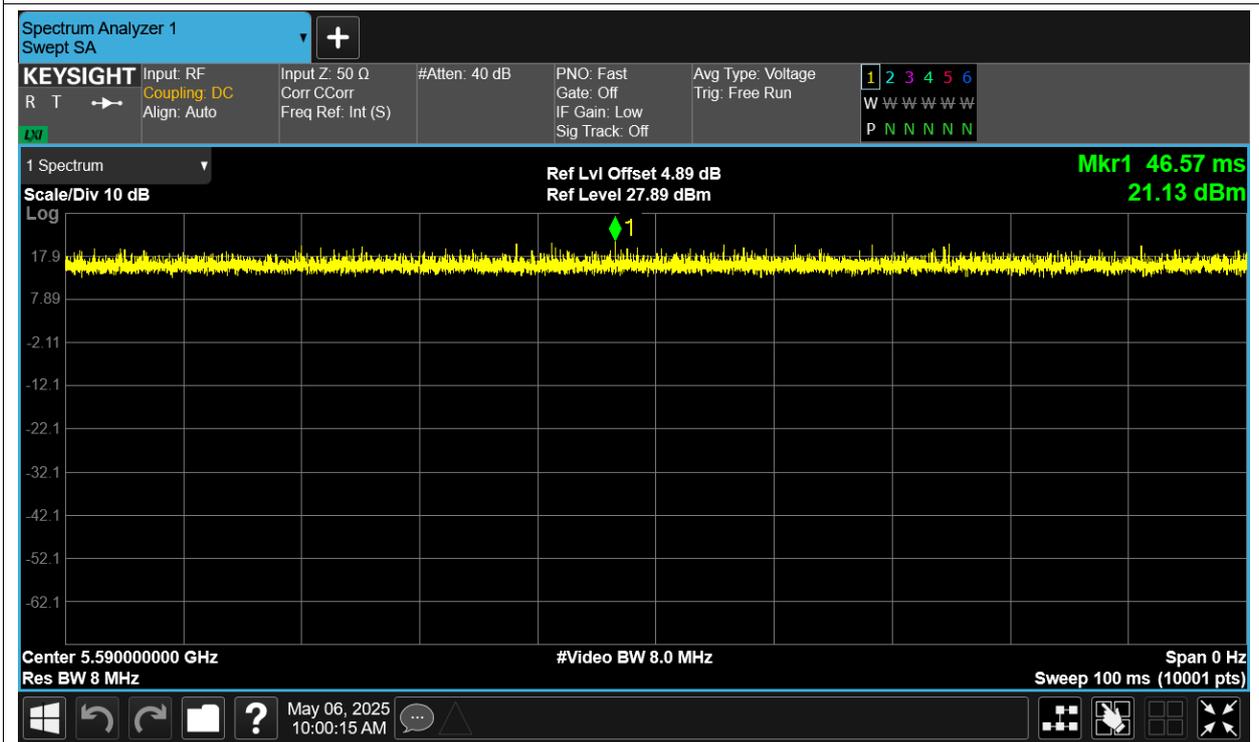
Duty Cycle NVNT n20 5700MHz Ant3



Duty Cycle NVNT n40 5510MHz Ant3



Duty Cycle NVNT n40 5590MHz Ant3



Duty Cycle NVNT n40 5670MHz Ant3

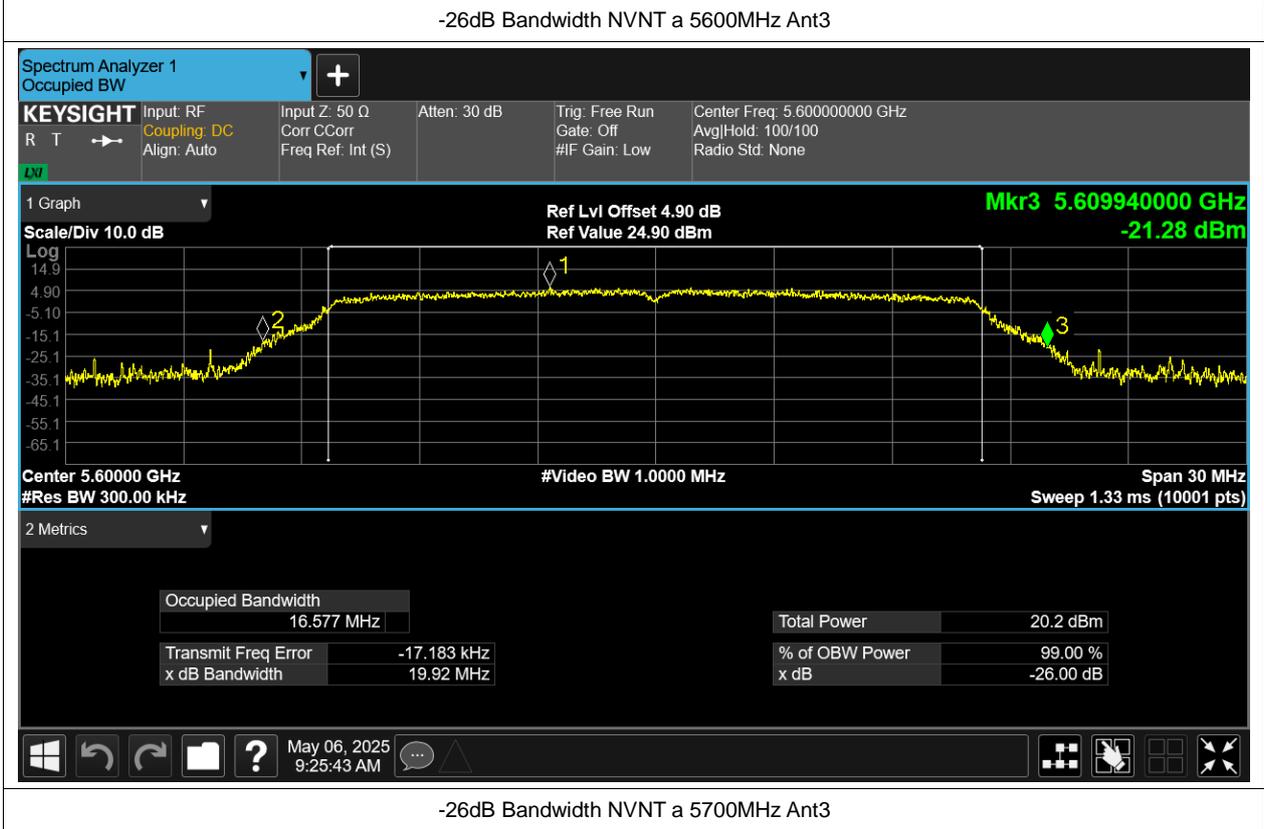
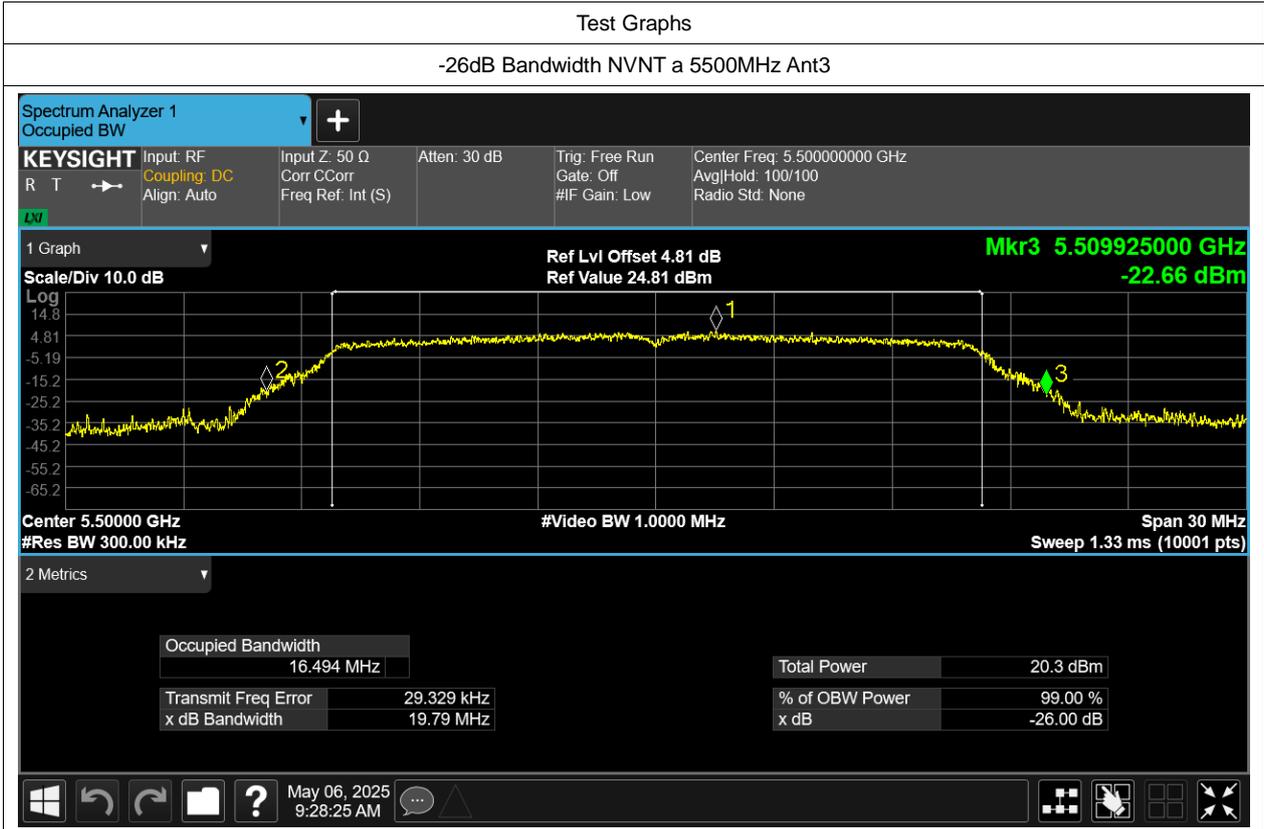


Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant3	13.35	0	13.35	24	Pass
NVNT	a	5600	Ant3	14.27	0	14.27	24	Pass
NVNT	a	5700	Ant3	13.85	0	13.85	24	Pass
NVNT	ac20	5500	Ant3	12.55	0	12.55	24	Pass
NVNT	ac20	5600	Ant3	13.21	0	13.21	24	Pass
NVNT	ac20	5700	Ant3	12.44	0	12.44	24	Pass
NVNT	ac40	5510	Ant3	12.53	0	12.53	24	Pass
NVNT	ac40	5590	Ant3	13.12	0	13.12	24	Pass
NVNT	ac40	5670	Ant3	13.03	0	13.03	24	Pass
NVNT	ac80	5530	Ant3	13.07	0	13.07	24	Pass
NVNT	ac80	5610	Ant3	13.03	0	13.03	24	Pass
NVNT	n20	5500	Ant3	13.11	0	13.11	24	Pass
NVNT	n20	5600	Ant3	13.29	0	13.29	24	Pass
NVNT	n20	5700	Ant3	12.95	0	12.95	24	Pass
NVNT	n40	5510	Ant3	12.71	0	12.71	24	Pass
NVNT	n40	5590	Ant3	13.16	0	13.16	24	Pass
NVNT	n40	5670	Ant3	13.23	0	13.23	24	Pass

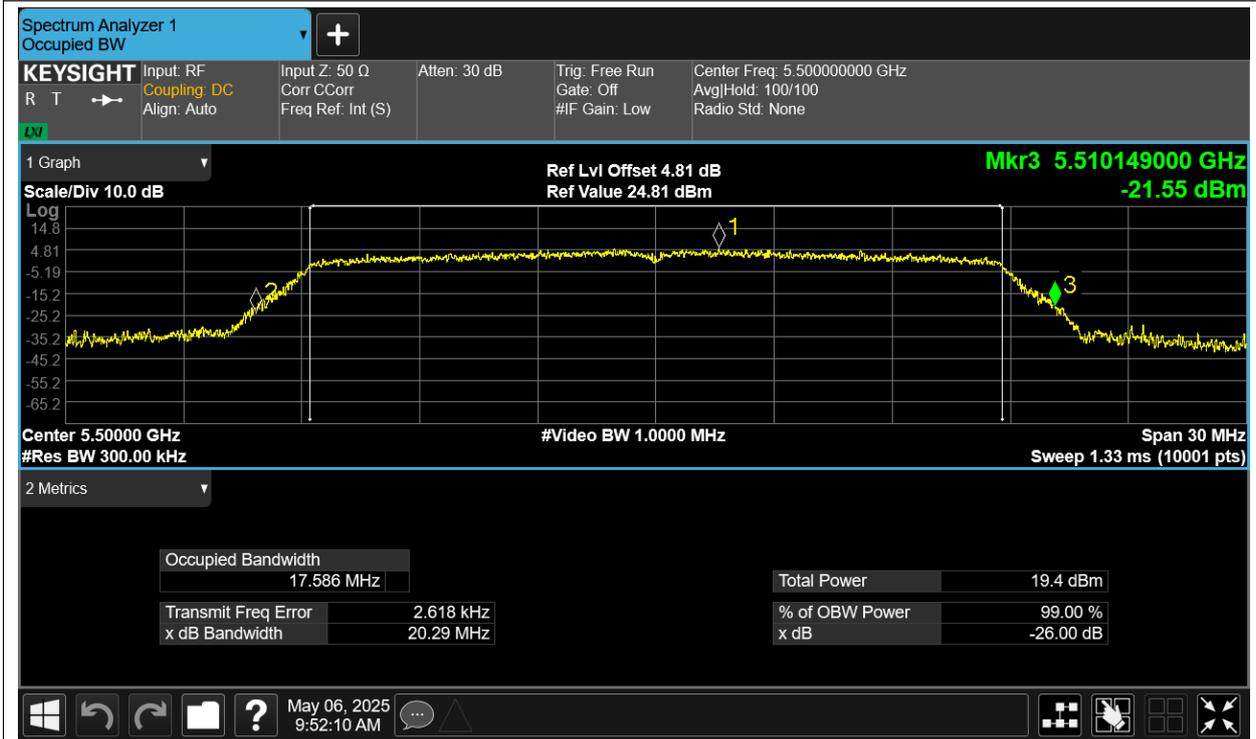
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant3	19.791
NVNT	a	5600	Ant3	19.915
NVNT	a	5700	Ant3	19.978
NVNT	ac20	5500	Ant3	20.293
NVNT	ac20	5600	Ant3	20.393
NVNT	ac20	5700	Ant3	20.302
NVNT	ac40	5510	Ant3	39.448
NVNT	ac40	5590	Ant3	40.104
NVNT	ac40	5670	Ant3	39.753
NVNT	ac80	5530	Ant3	78.974
NVNT	ac80	5610	Ant3	79.407
NVNT	n20	5500	Ant3	20.509
NVNT	n20	5600	Ant3	20.251
NVNT	n20	5700	Ant3	20.165
NVNT	n40	5510	Ant3	39.527
NVNT	n40	5590	Ant3	39.772
NVNT	n40	5670	Ant3	40.028





-26dB Bandwidth NVNT ac20 5500MHz Ant3



-26dB Bandwidth NVNT ac20 5600MHz Ant3



-26dB Bandwidth NVNT ac20 5700MHz Ant3



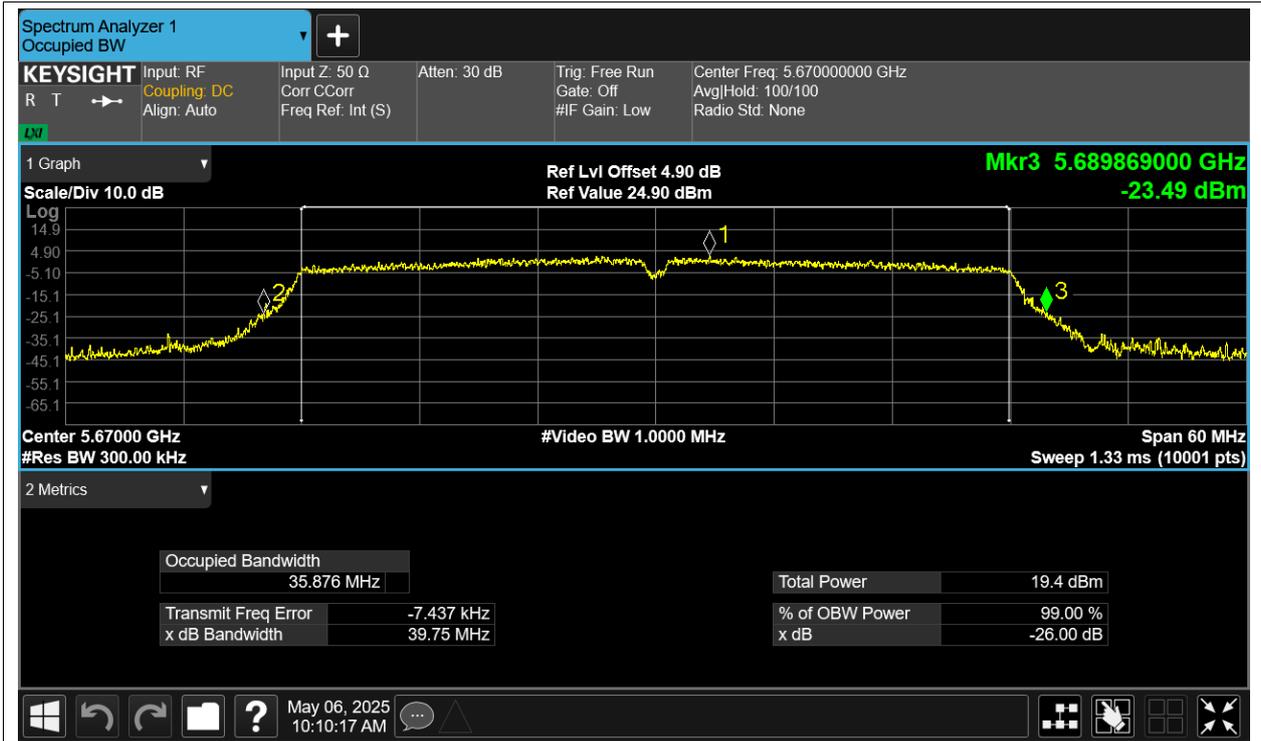
-26dB Bandwidth NVNT ac40 5510MHz Ant3



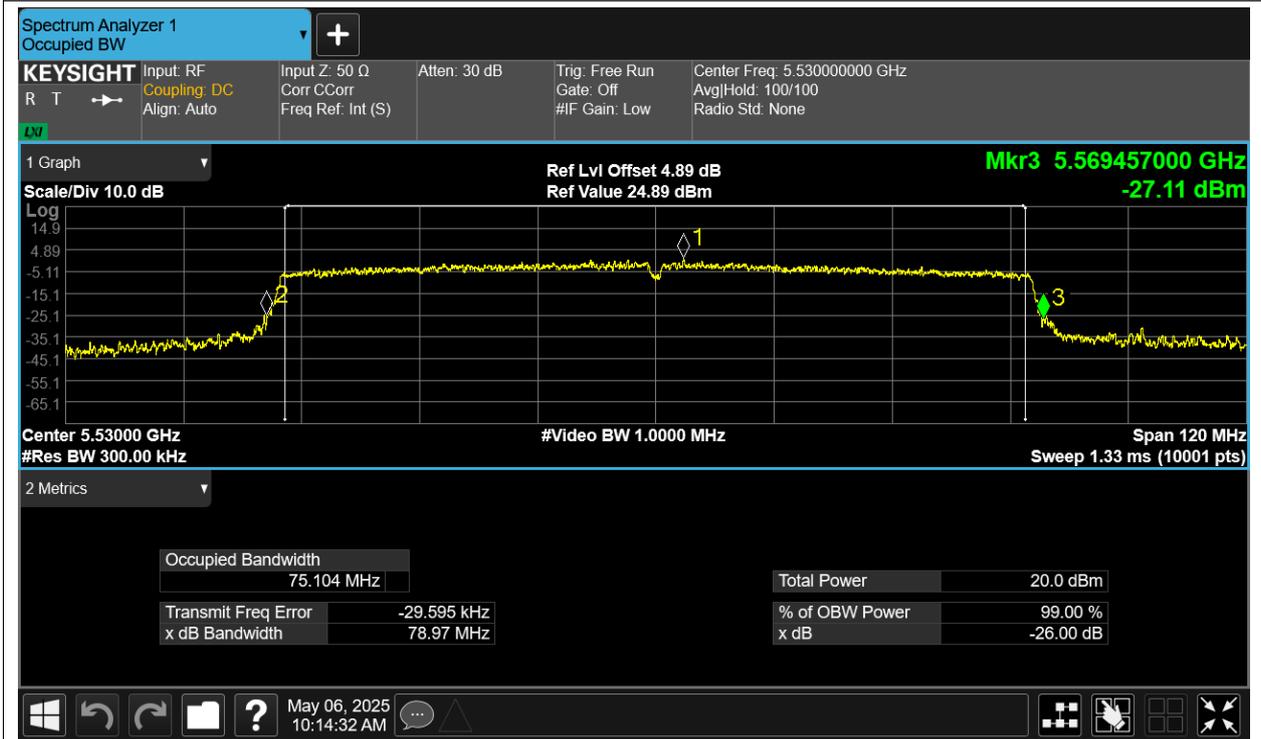
-26dB Bandwidth NVNT ac40 5590MHz Ant3



-26dB Bandwidth NVNT ac40 5670MHz Ant3



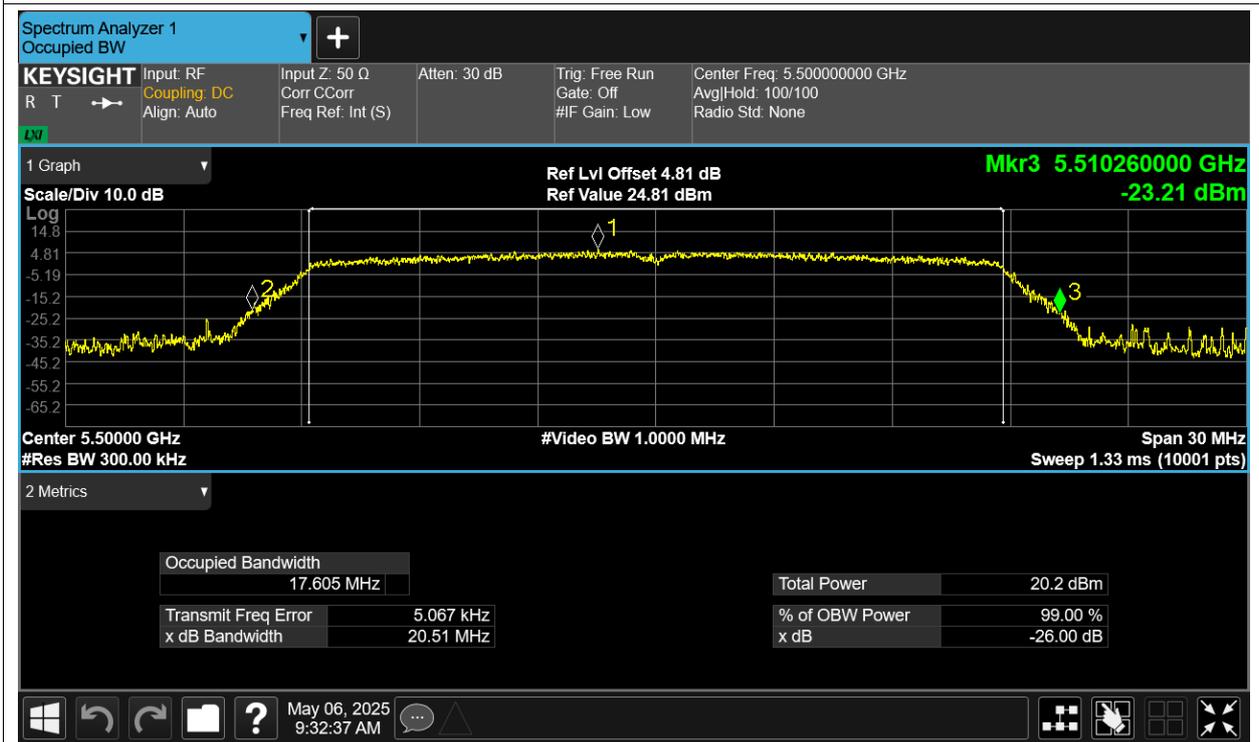
-26dB Bandwidth NVNT ac80 5530MHz Ant3



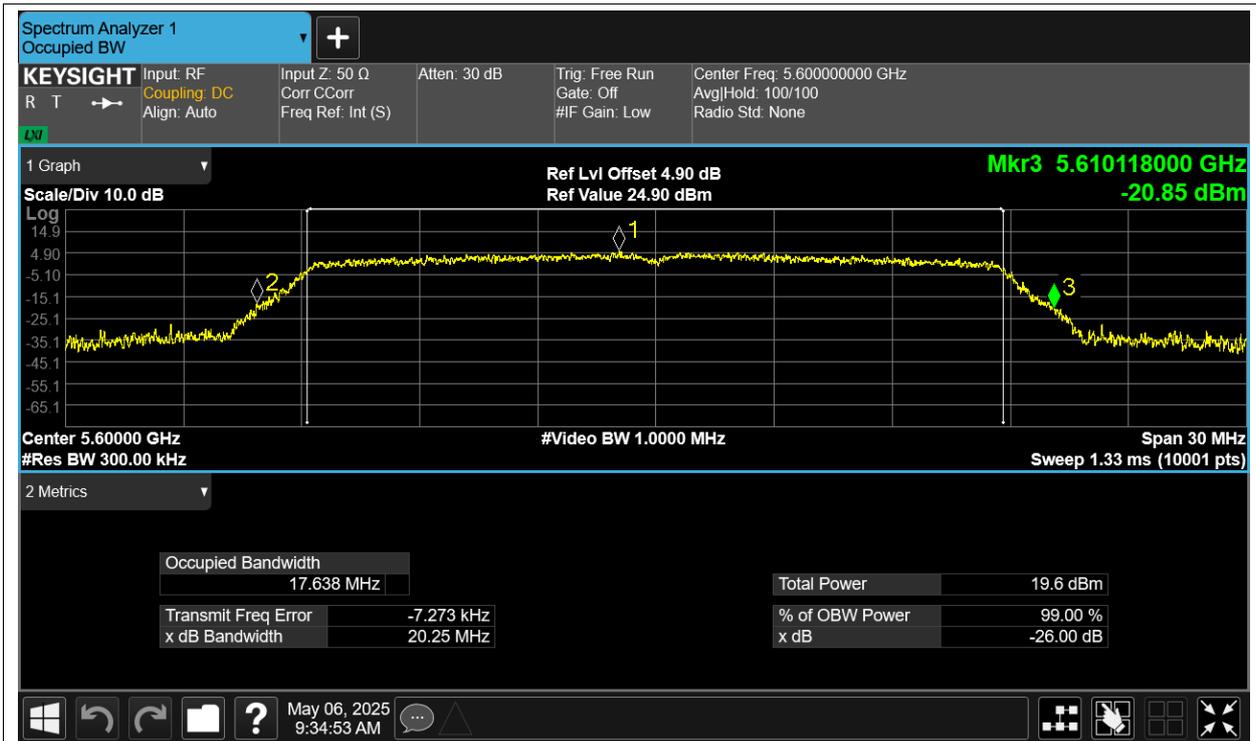
-26dB Bandwidth NVNT ac80 5610MHz Ant3



-26dB Bandwidth NVNT n20 5500MHz Ant3



-26dB Bandwidth NVNT n20 5600MHz Ant3



-26dB Bandwidth NVNT n20 5700MHz Ant3



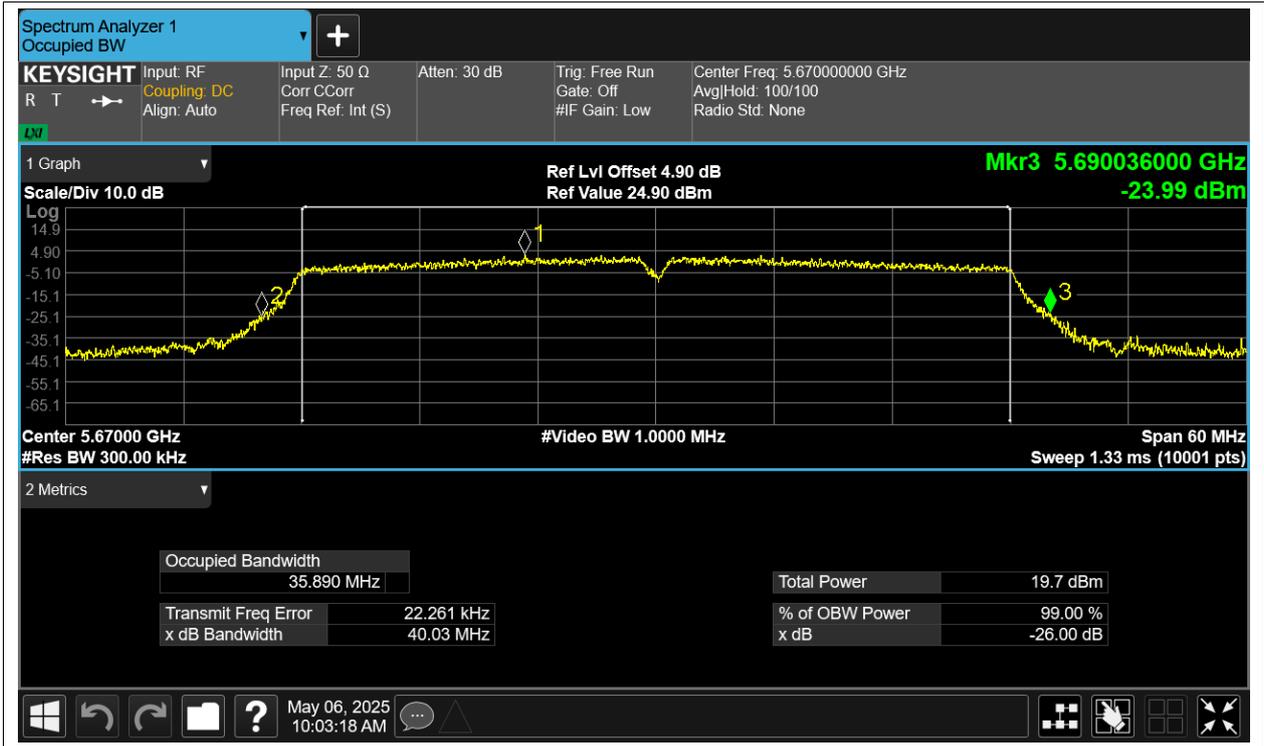
-26dB Bandwidth NVNT n40 5510MHz Ant3



-26dB Bandwidth NVNT n40 5590MHz Ant3



-26dB Bandwidth NVNT n40 5670MHz Ant3

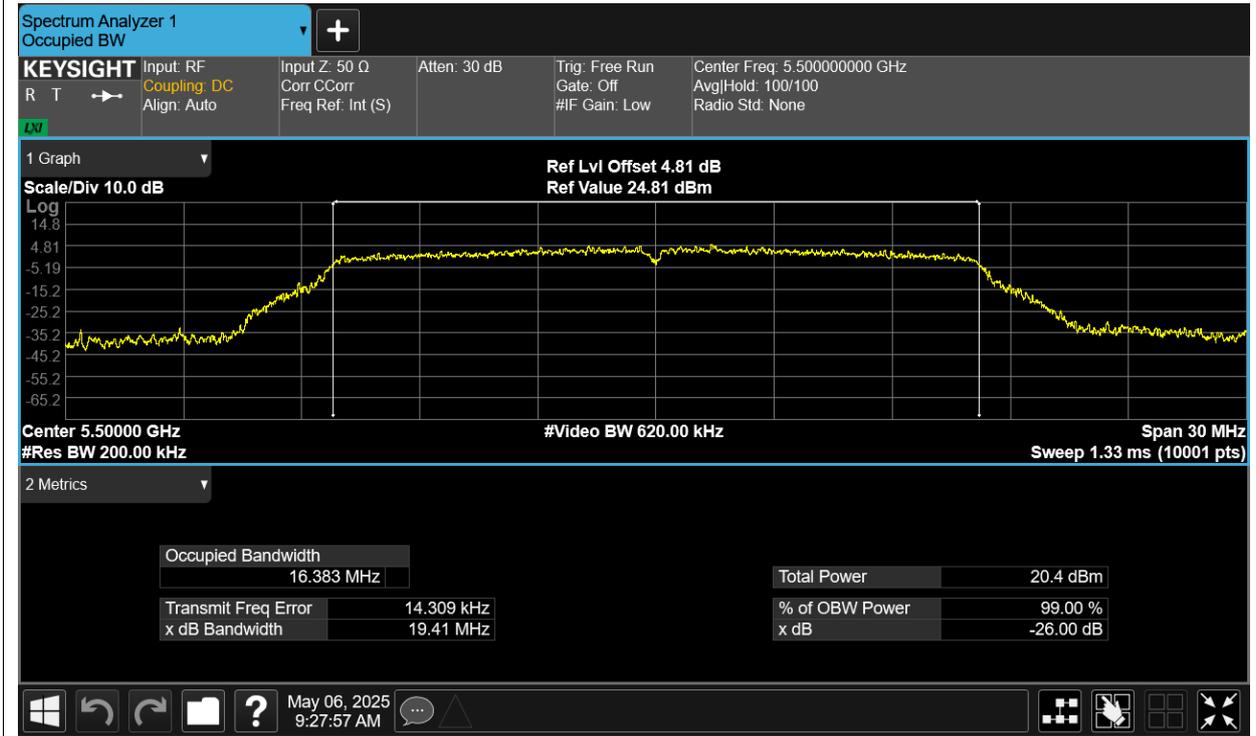


Occupied Channel Bandwidth

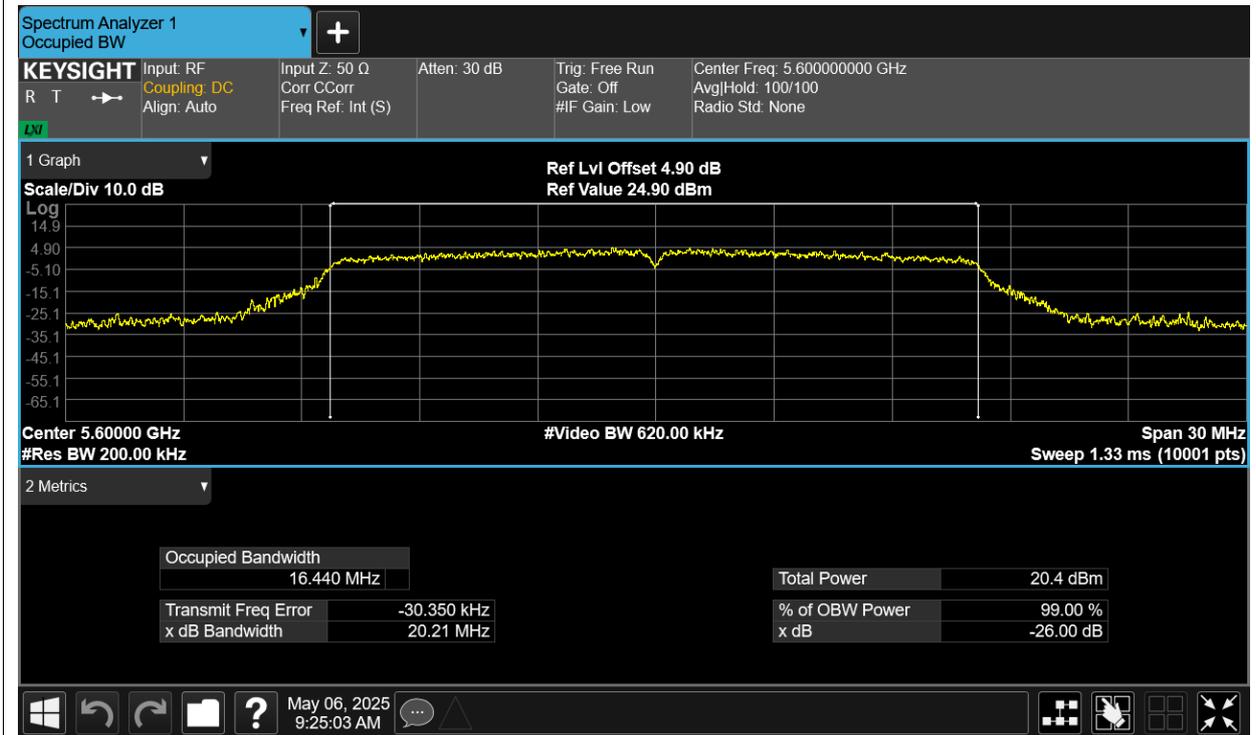
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant3	16.383
NVNT	a	5600	Ant3	16.44
NVNT	a	5700	Ant3	16.389
NVNT	ac20	5500	Ant3	17.539
NVNT	ac20	5600	Ant3	17.557
NVNT	ac20	5700	Ant3	17.552
NVNT	ac40	5510	Ant3	35.871
NVNT	ac40	5590	Ant3	35.873
NVNT	ac40	5670	Ant3	35.987
NVNT	ac80	5530	Ant3	75.128
NVNT	ac80	5610	Ant3	75.048
NVNT	n20	5500	Ant3	17.535
NVNT	n20	5600	Ant3	17.576
NVNT	n20	5700	Ant3	17.54
NVNT	n40	5510	Ant3	35.852
NVNT	n40	5590	Ant3	35.84
NVNT	n40	5670	Ant3	35.881

Test Graphs

OBW NVNT a 5500MHz Ant3



OBW NVNT a 5600MHz Ant3



OBW NVNT a 5700MHz Ant3



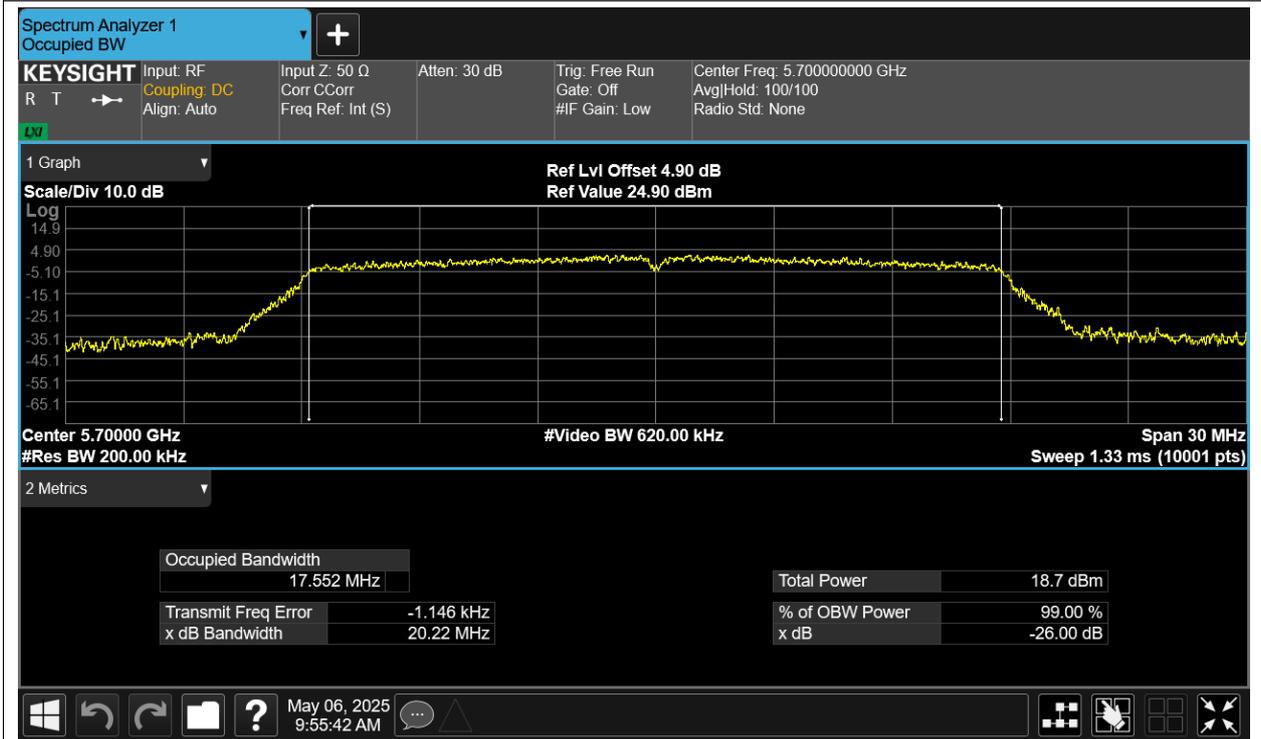
OBW NVNT ac20 5500MHz Ant3



OBW NVNT ac20 5600MHz Ant3



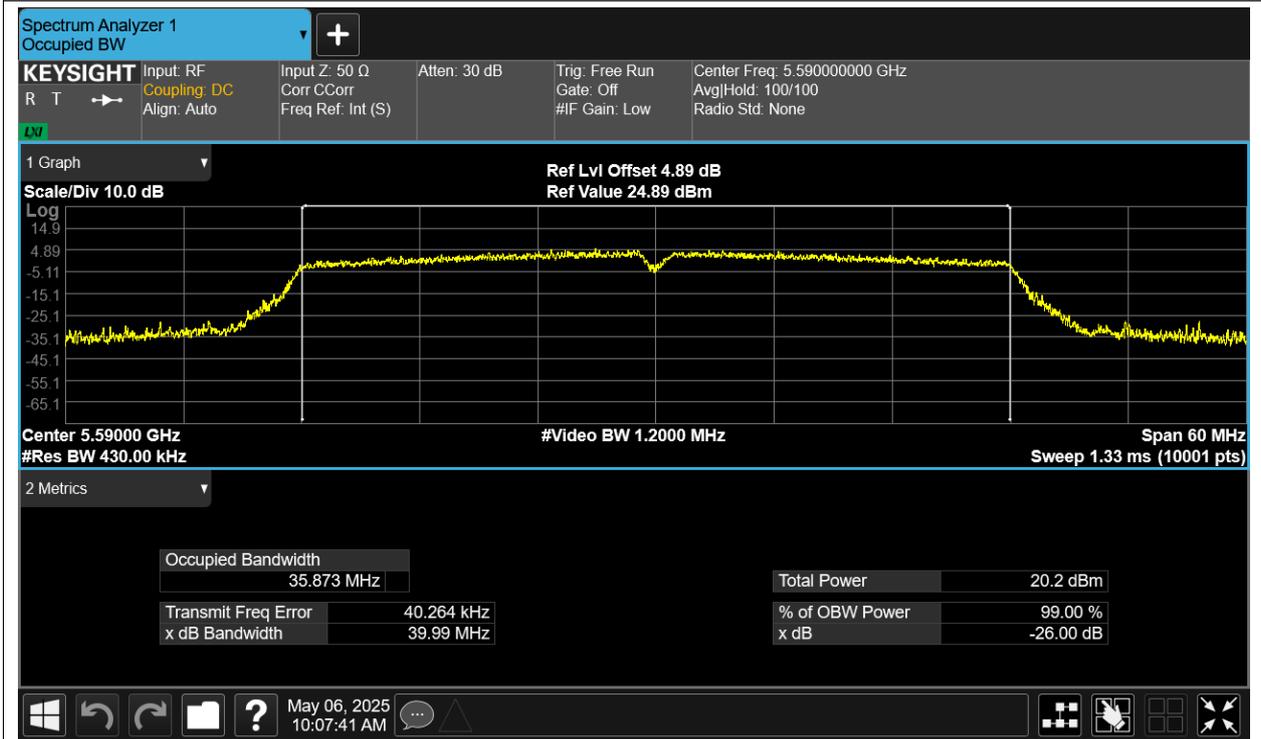
OBW NVNT ac20 5700MHz Ant3



OBW NVNT ac40 5510MHz Ant3



OBW NVNT ac40 5590MHz Ant3



OBW NVNT ac40 5670MHz Ant3



OBW NVNT ac80 5530MHz Ant3



OBW NVNT ac80 5610MHz Ant3



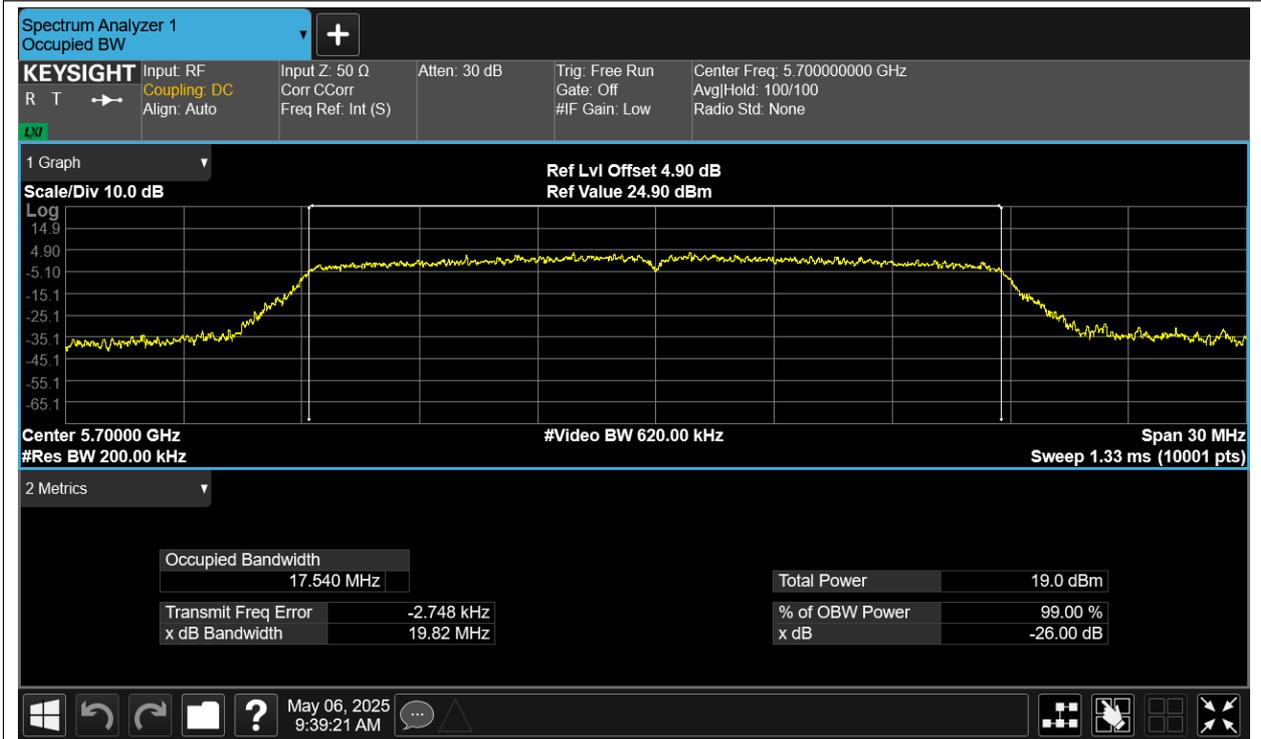
OBW NVNT n20 5500MHz Ant3



OBW NVNT n20 5600MHz Ant3



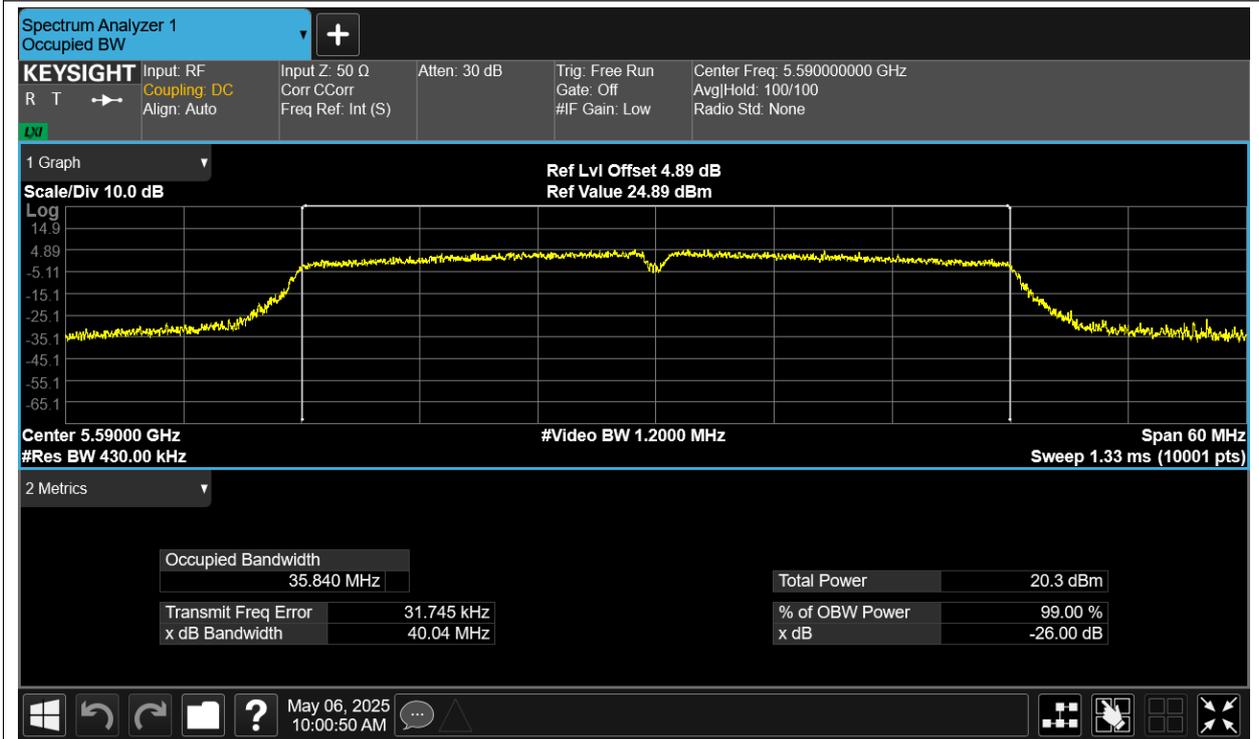
OBW NVNT n20 5700MHz Ant3



OBW NVNT n40 5510MHz Ant3



OBW NVNT n40 5590MHz Ant3



OBW NVNT n40 5670MHz Ant3



Maximum Power Spectral Density Level

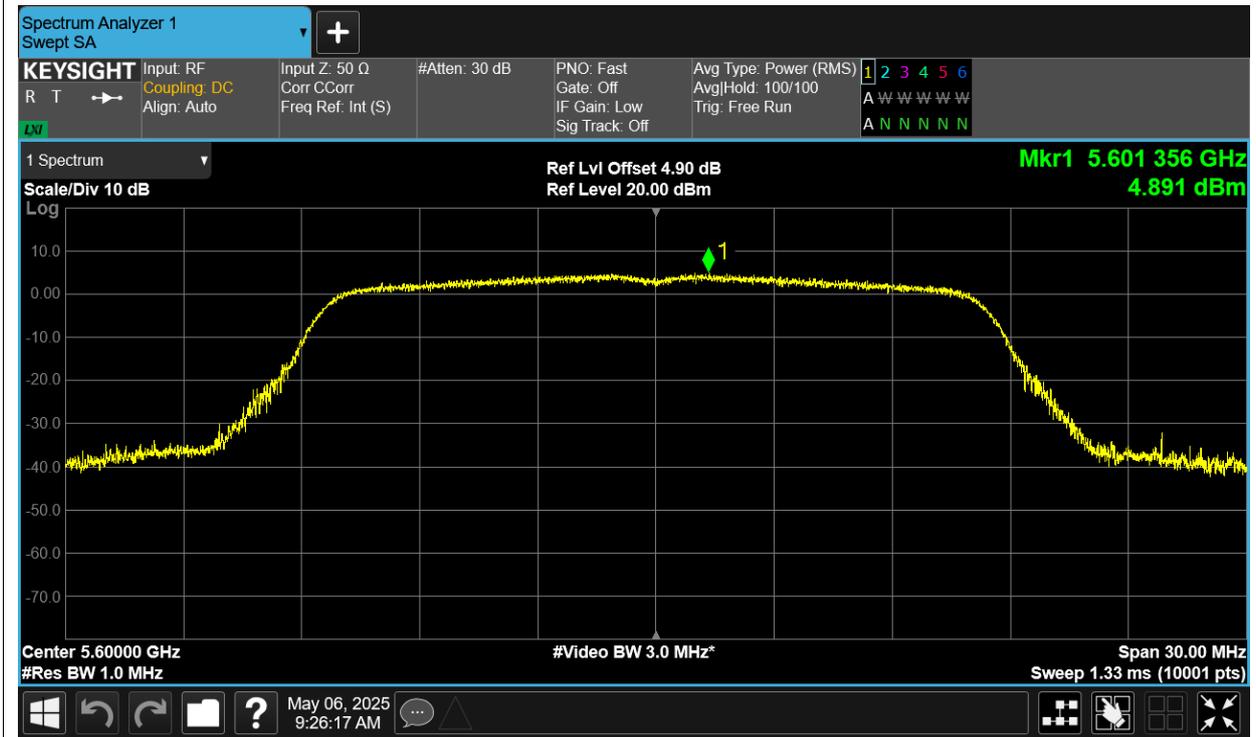
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant3	5.657	11	Pass
NVNT	a	5600	Ant3	4.891	11	Pass
NVNT	a	5700	Ant3	4.911	11	Pass
NVNT	ac20	5500	Ant3	3.804	11	Pass
NVNT	ac20	5600	Ant3	3.907	11	Pass
NVNT	ac20	5700	Ant3	3.423	11	Pass
NVNT	ac40	5510	Ant3	1.597	11	Pass
NVNT	ac40	5590	Ant3	1.925	11	Pass
NVNT	ac40	5670	Ant3	1.157	11	Pass
NVNT	ac80	5530	Ant3	-1.9	11	Pass
NVNT	ac80	5610	Ant3	-1.086	11	Pass
NVNT	n20	5500	Ant3	4.827	11	Pass
NVNT	n20	5600	Ant3	4.115	11	Pass
NVNT	n20	5700	Ant3	3.716	11	Pass
NVNT	n40	5510	Ant3	1.654	11	Pass
NVNT	n40	5590	Ant3	2.045	11	Pass
NVNT	n40	5670	Ant3	1.379	11	Pass

Test Graphs

PSD NVNT a 5500MHz Ant3



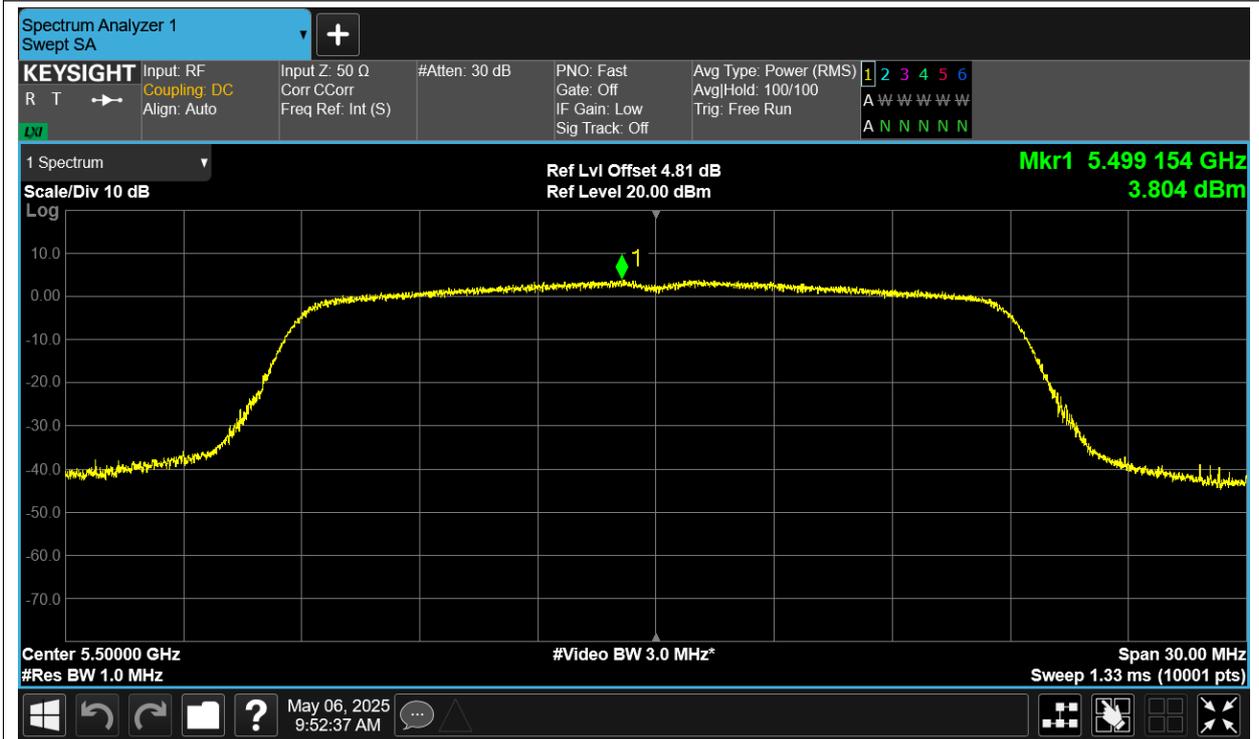
PSD NVNT a 5600MHz Ant3



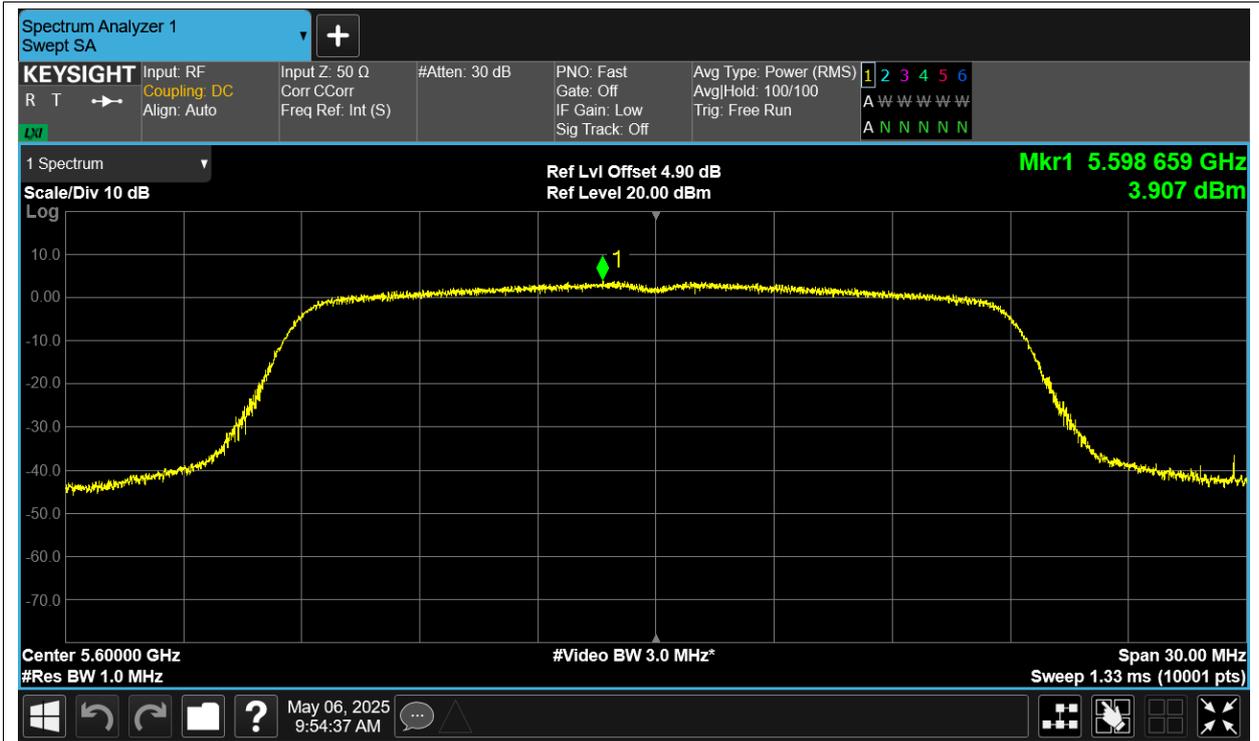
PSD NVNT a 5700MHz Ant3



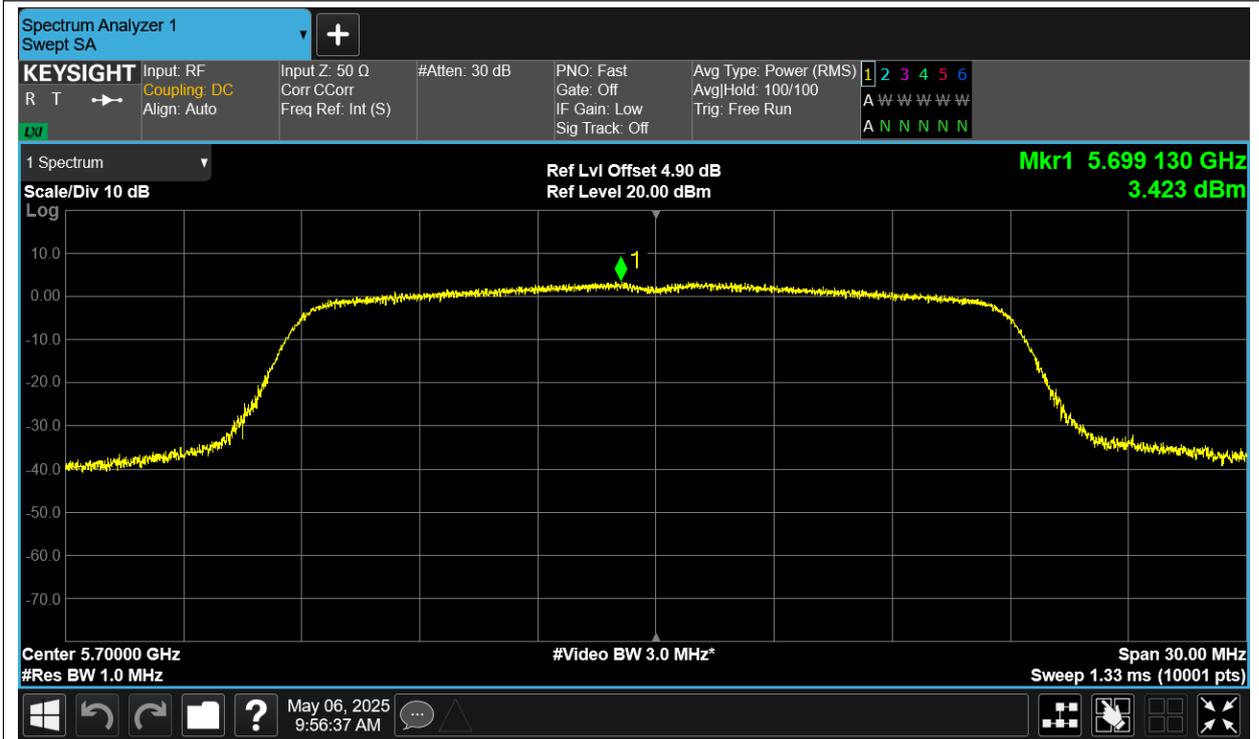
PSD NVNT ac20 5500MHz Ant3



PSD NVNT ac20 5600MHz Ant3



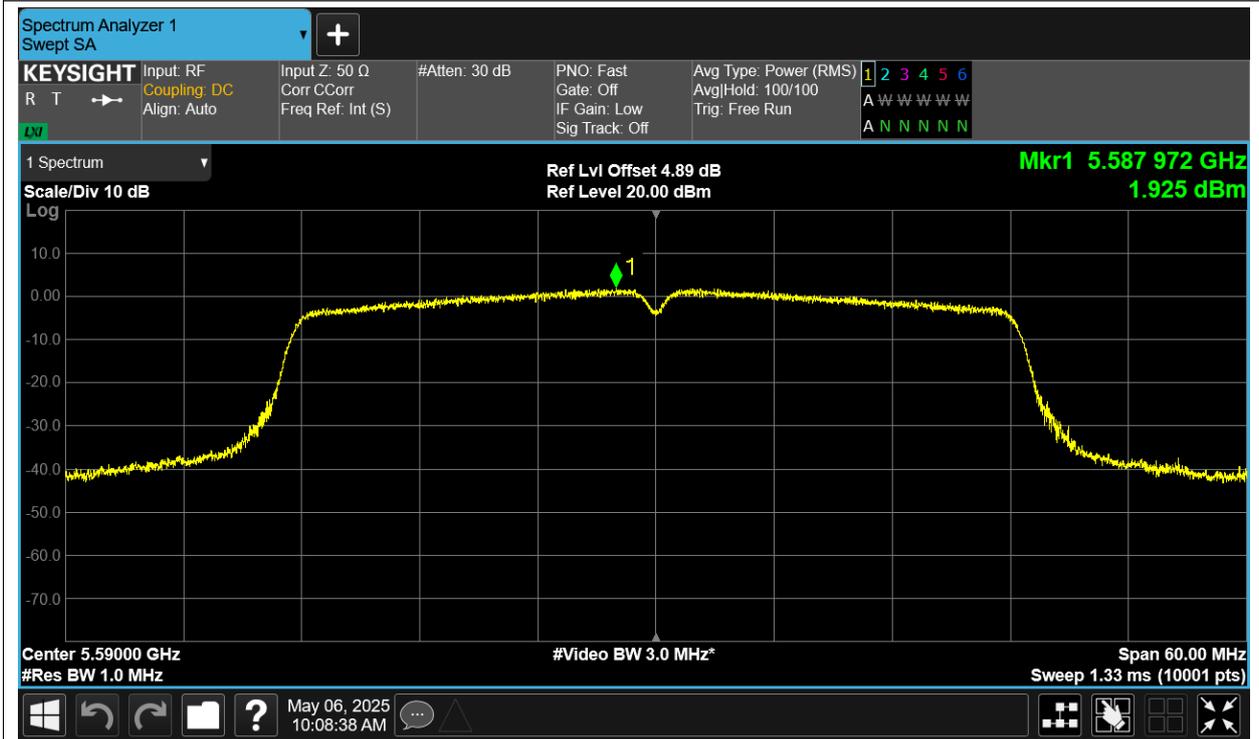
PSD NVNT ac20 5700MHz Ant3



PSD NVNT ac40 5510MHz Ant3



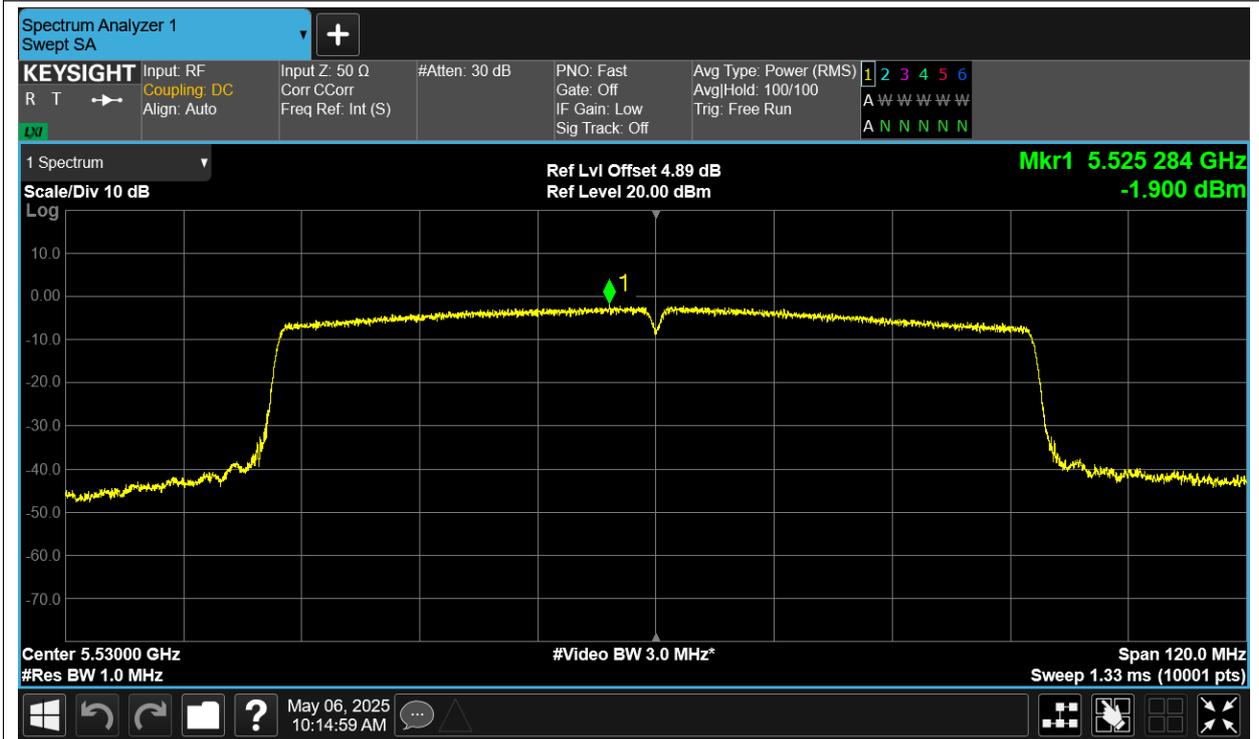
PSD NVNT ac40 5590MHz Ant3



PSD NVNT ac40 5670MHz Ant3



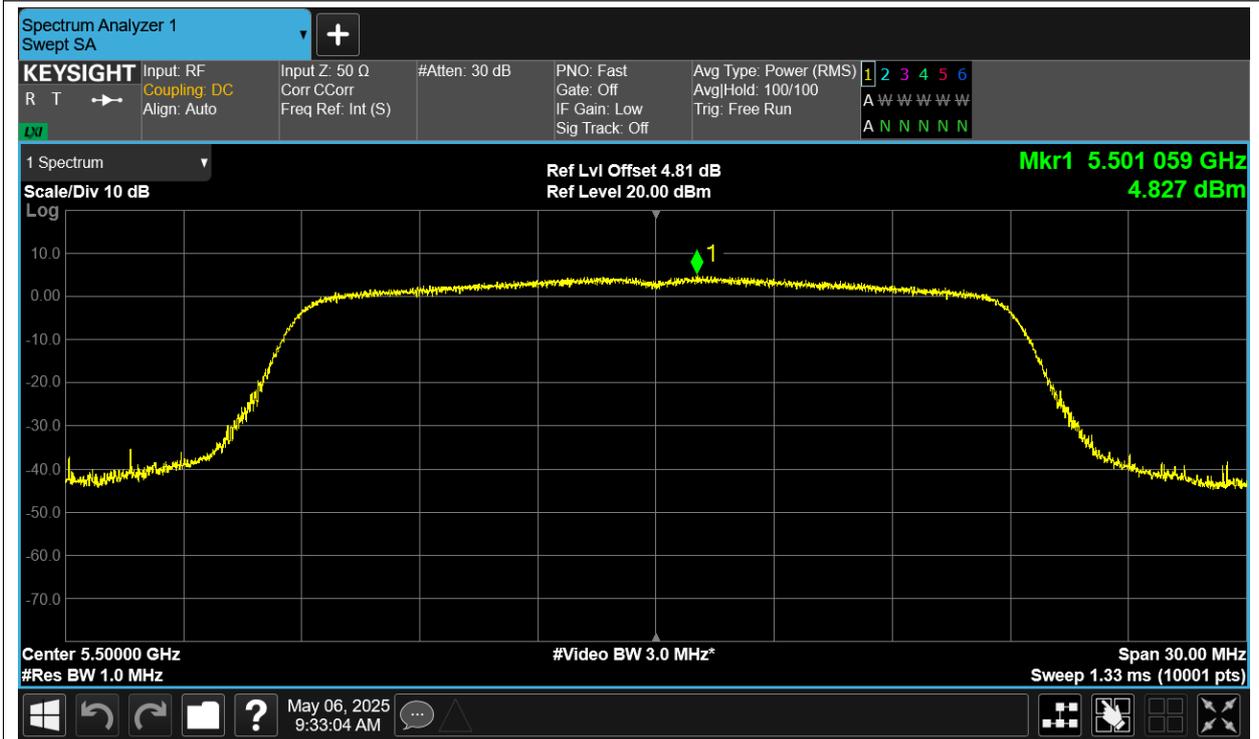
PSD NVNT ac80 5530MHz Ant3



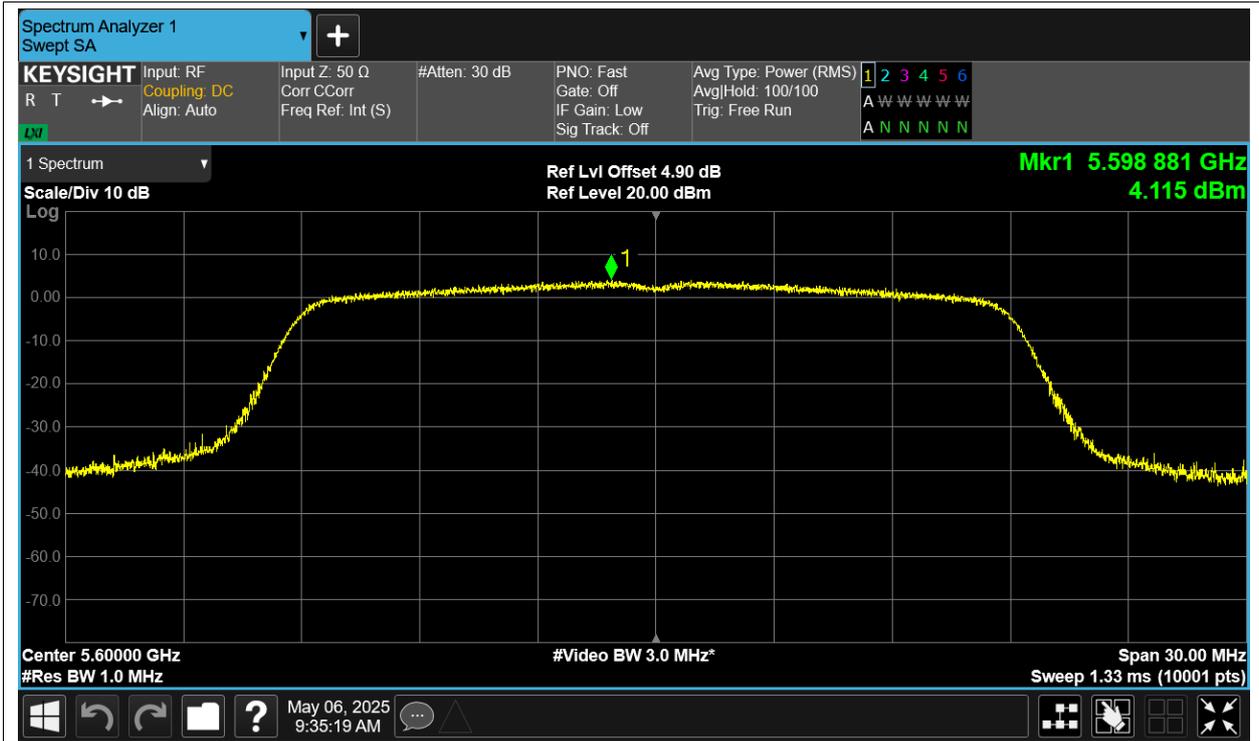
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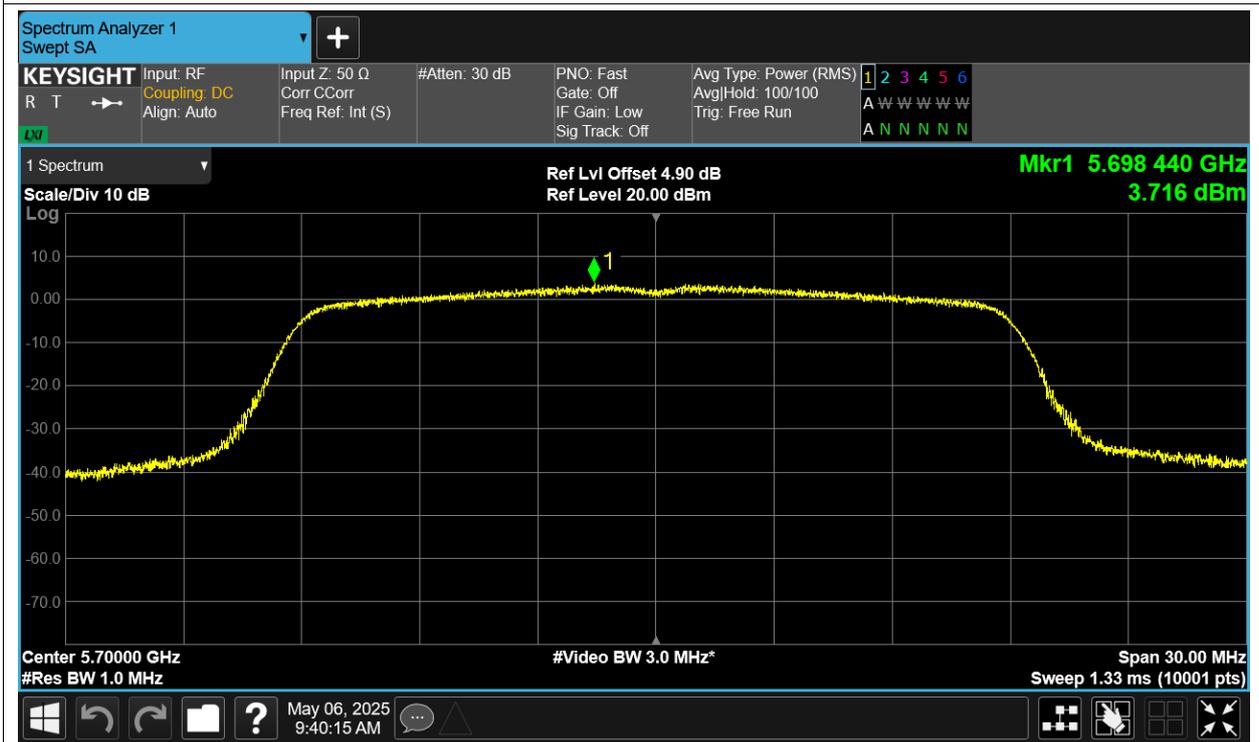
PSD NVNT n20 5500MHz Ant3



PSD NVNT n20 5600MHz Ant3



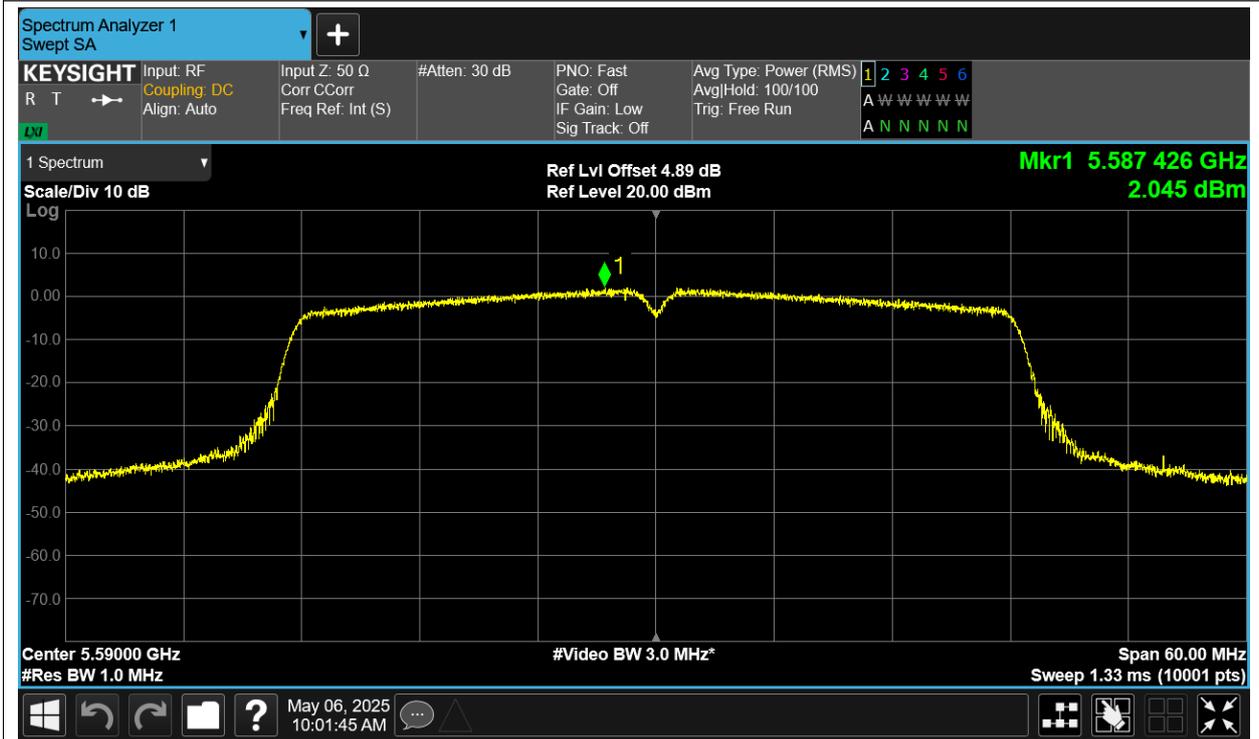
PSD NVNT n20 5700MHz Ant3



PSD NVNT n40 5510MHz Ant3



PSD NVNT n40 5590MHz Ant3



PSD NVNT n40 5670MHz Ant3

