

Test Data

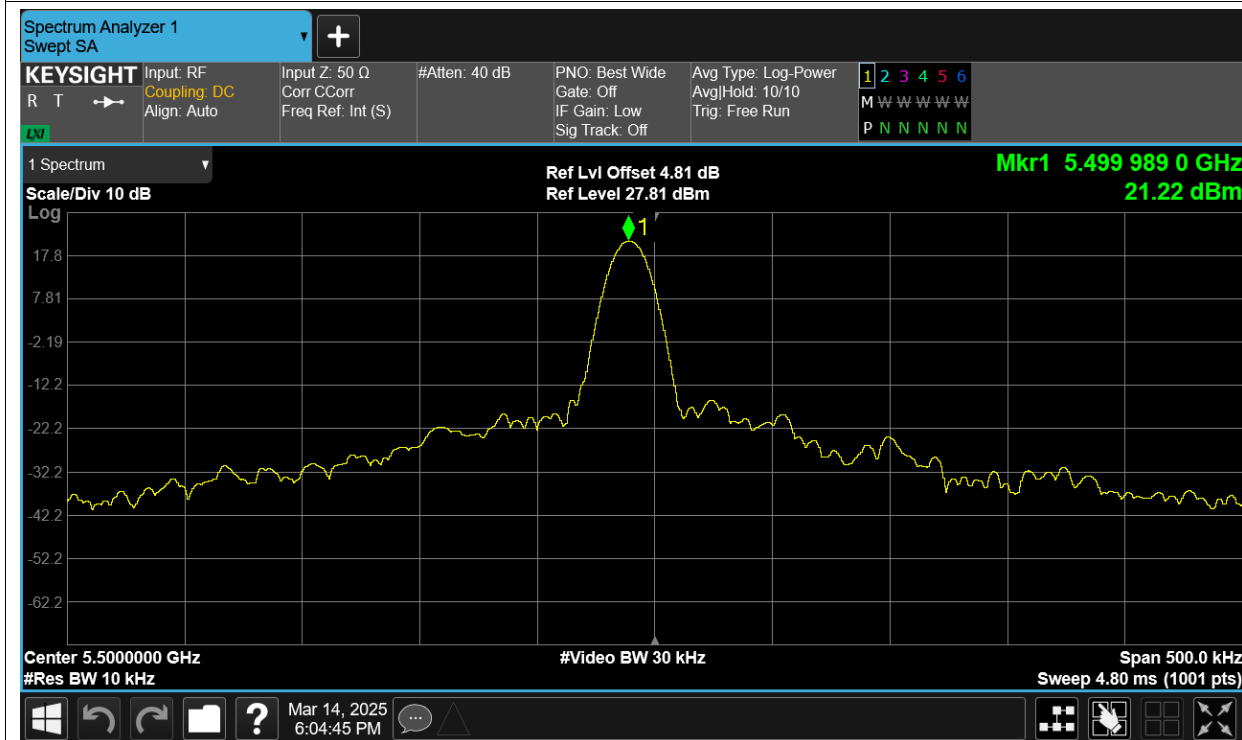
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant3	5499.989	-2	Within authorized band	Pass
LVNT	a	5500	Ant3	5499.9895	-1.91		Pass
NVHT	a	5500	Ant3	5499.9895	-1.91		Pass
NVLT	a	5500	Ant3	5499.99	-1.82		Pass
NVNT	a	5500	Ant3	5499.9905	-1.73		Pass
HVNT	ac80	5530	Ant3	5529.988	-2.17		Pass
LVNT	ac80	5530	Ant3	5529.988	-2.17		Pass
NVHT	ac80	5530	Ant3	5529.988	-2.17		Pass
NVLT	ac80	5530	Ant3	5529.988	-2.17		Pass
NVNT	ac80	5530	Ant3	5529.9885	-2.08		Pass
HVNT	n40	5510	Ant3	5509.9885	-2.09		Pass
LVNT	n40	5510	Ant3	5509.989	-2		Pass
NVHT	n40	5510	Ant3	5509.989	-2		Pass
NVLT	n40	5510	Ant3	5509.989	-2		Pass
NVNT	n40	5510	Ant3	5509.9895	-1.91		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

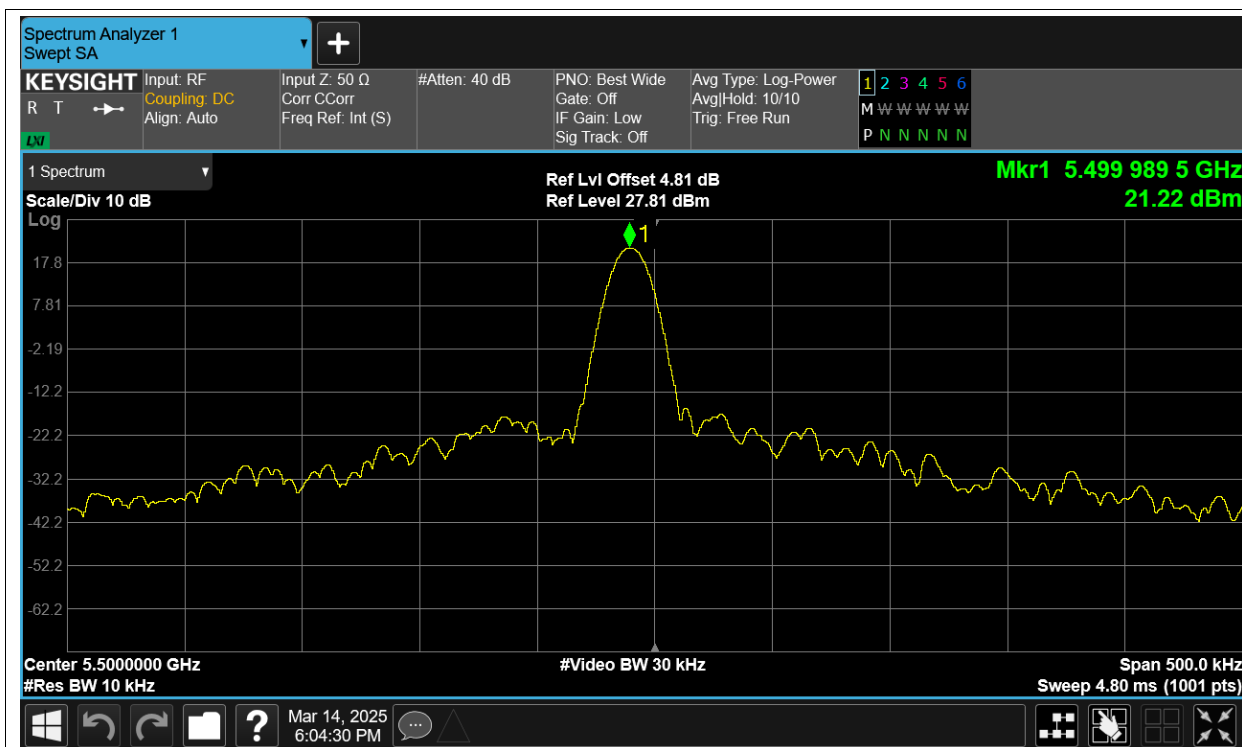
Freq. Stability HVNT a 5500MHz Ant3



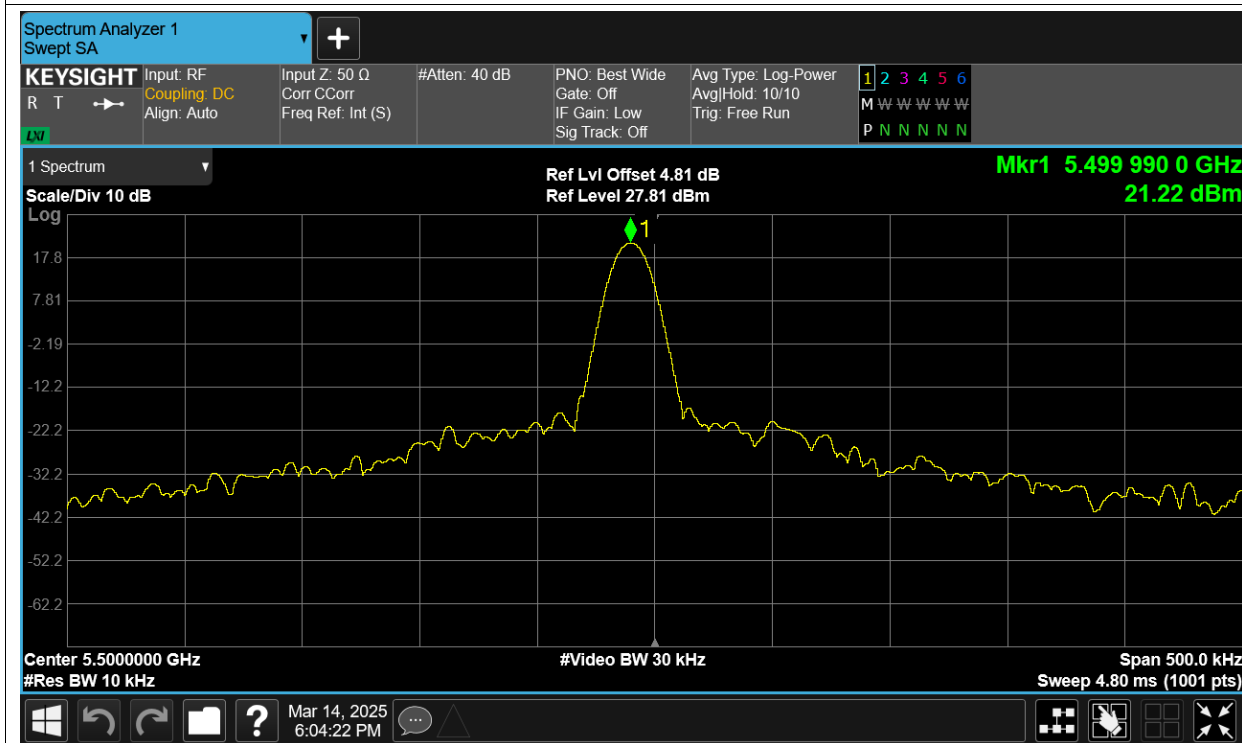
Freq. Stability LVNT a 5500MHz Ant3



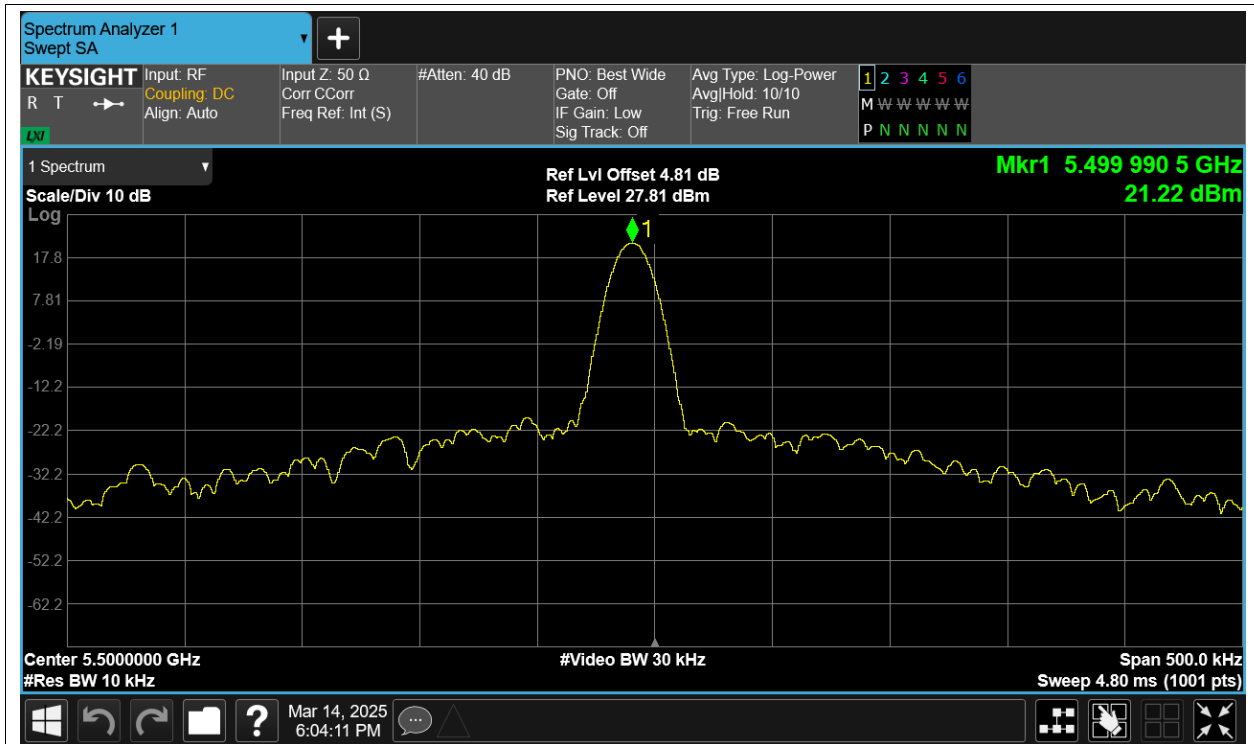
Freq. Stability NVHT a 5500MHz Ant3



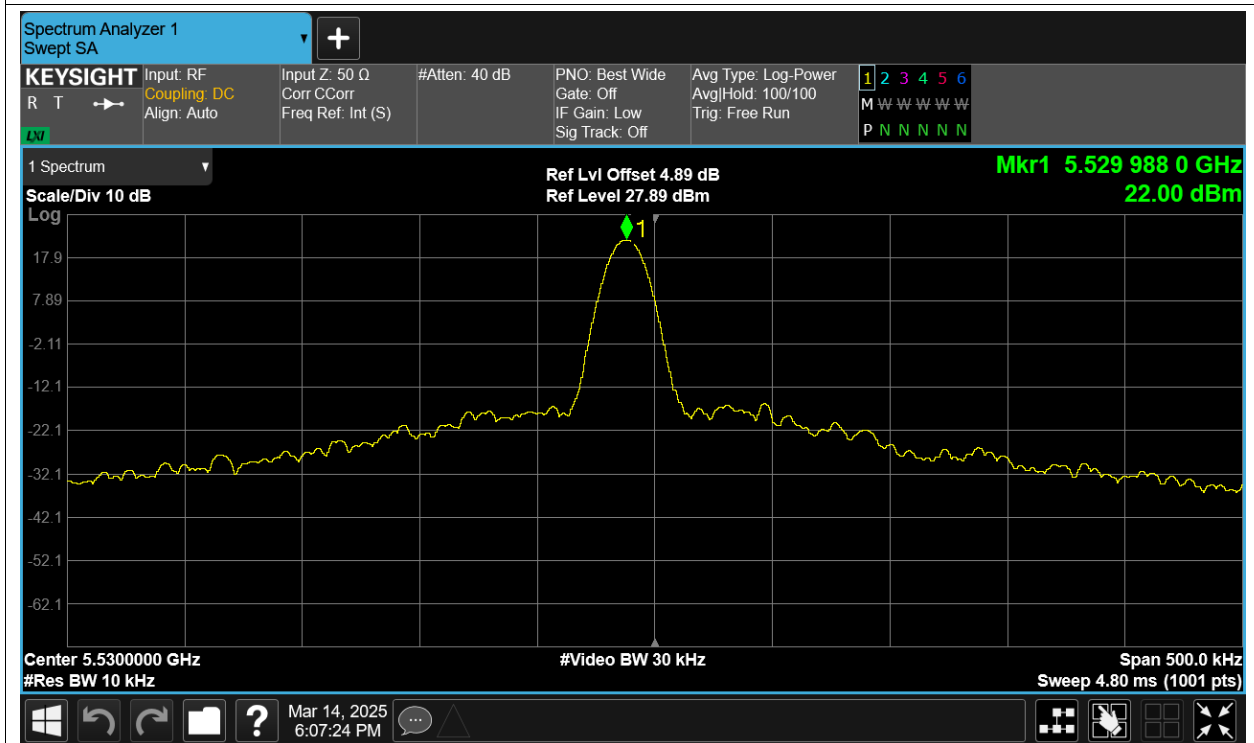
Freq. Stability NVLT a 5500MHz Ant3



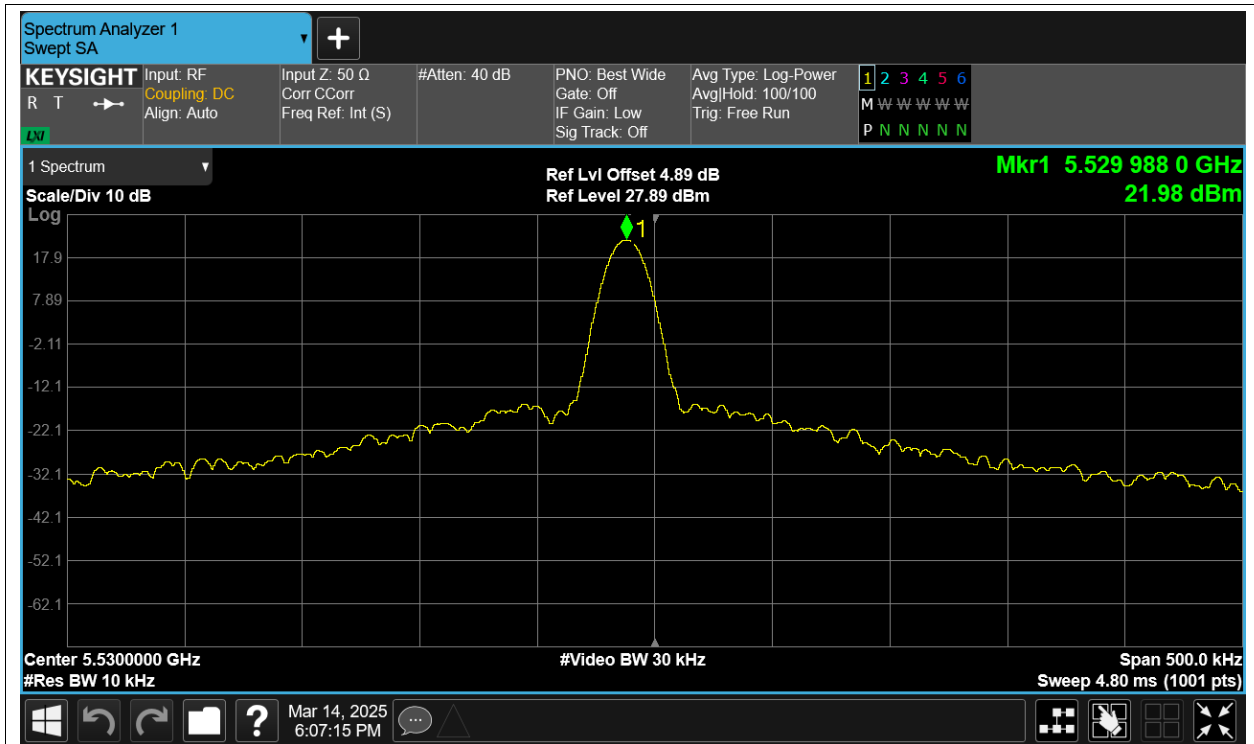
Freq. Stability NVNT a 5500MHz Ant3



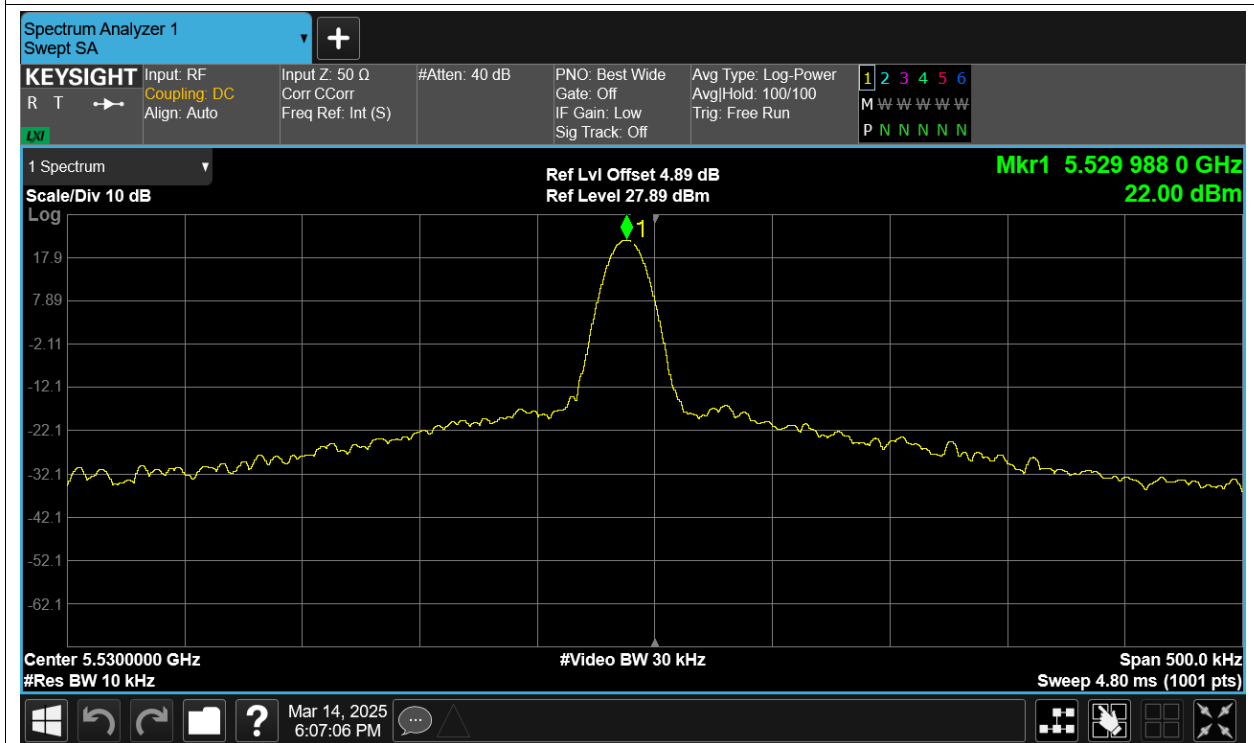
Freq. Stability HVNT ac80 5530MHz Ant3



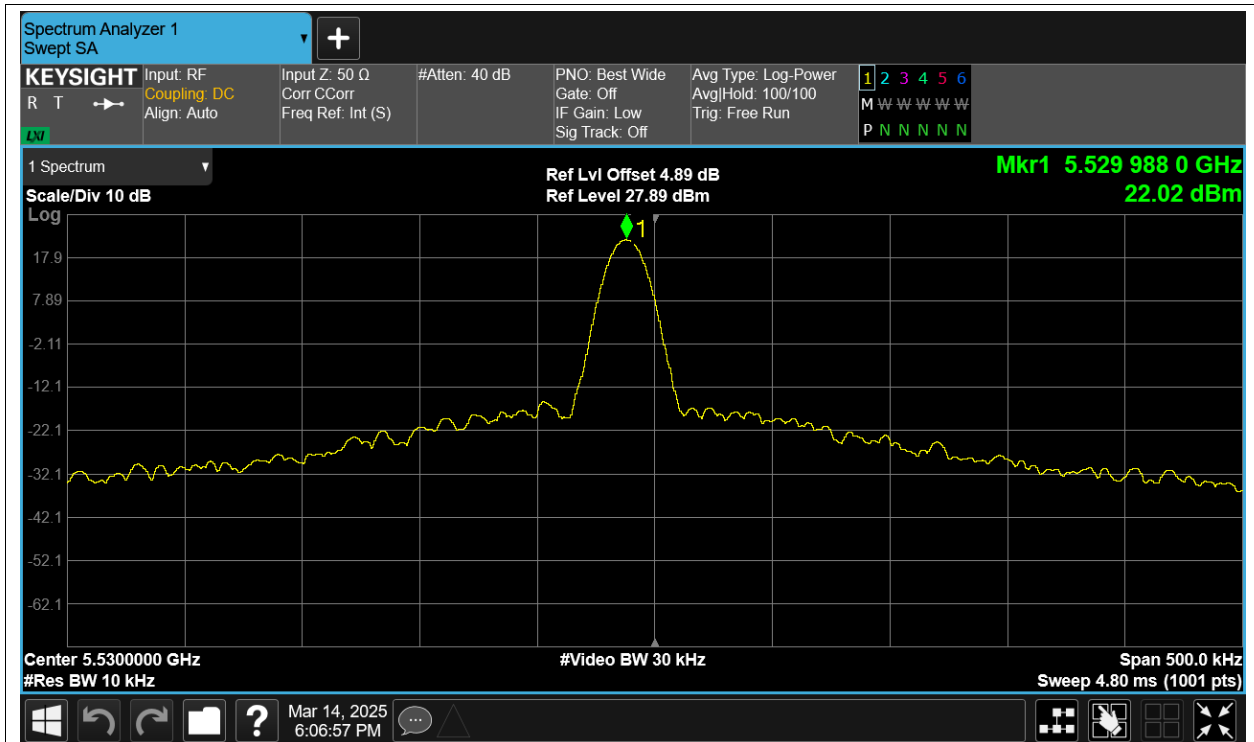
Freq. Stability LVNT ac80 5530MHz Ant3



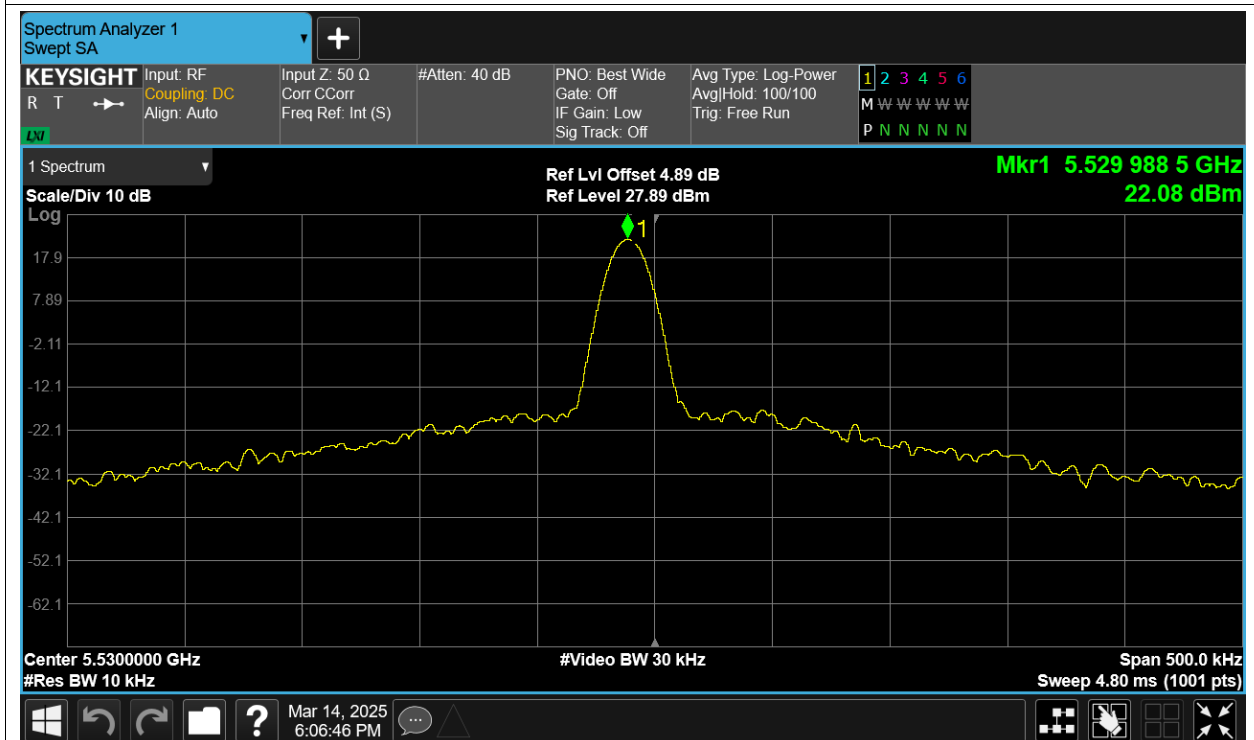
Freq. Stability NVHT ac80 5530MHz Ant3



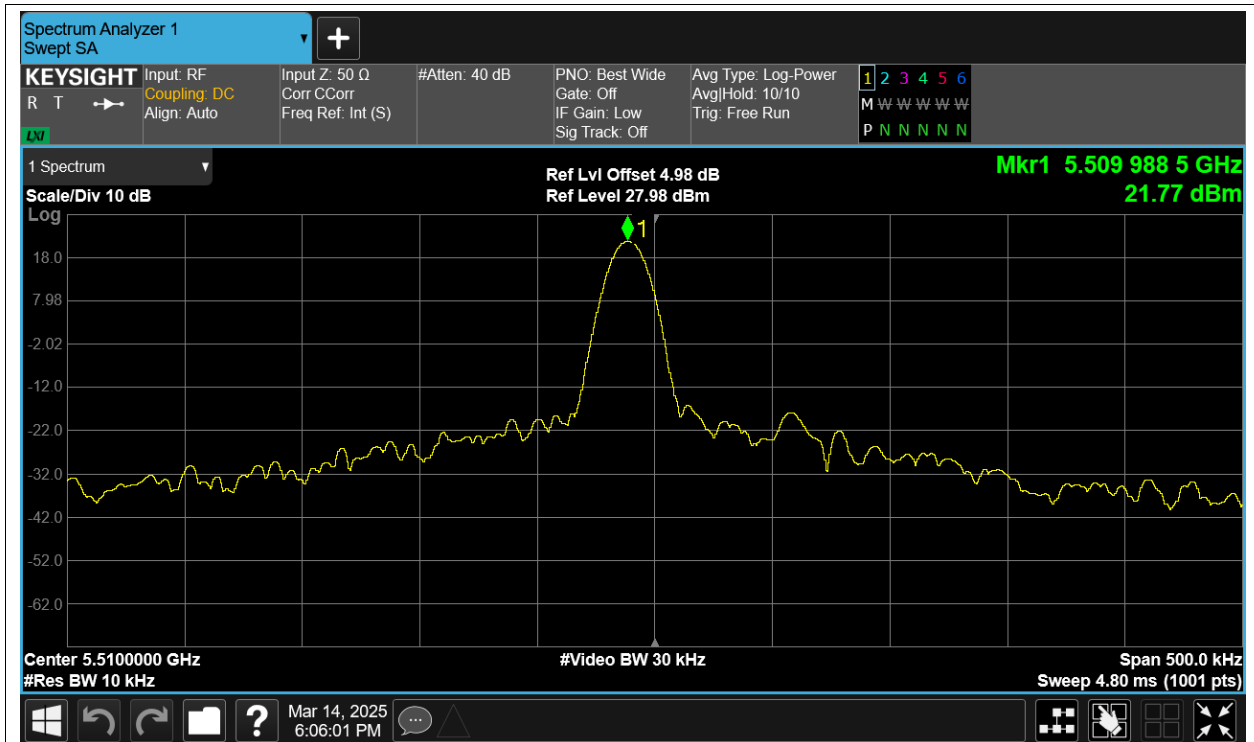
Freq. Stability NVLT ac80 5530MHz Ant3



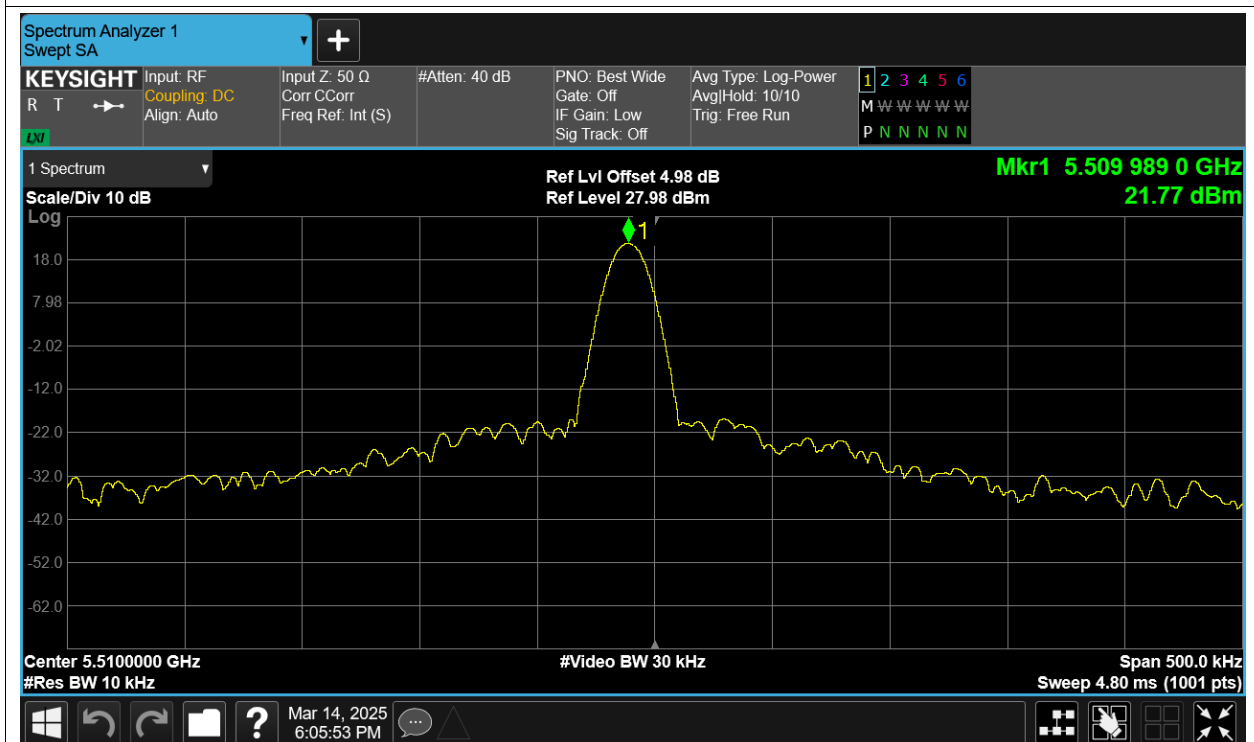
Freq. Stability NVNT ac80 5530MHz Ant3



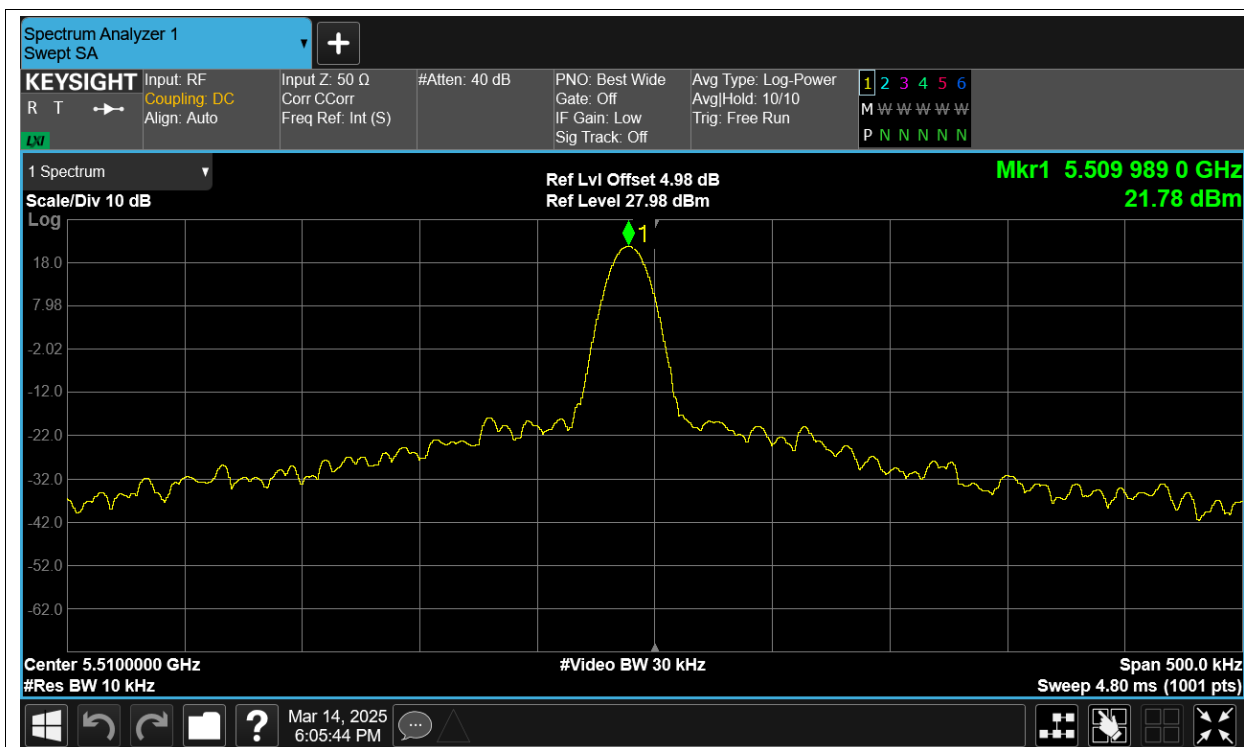
Freq. Stability HVNT n40 5510MHz Ant3



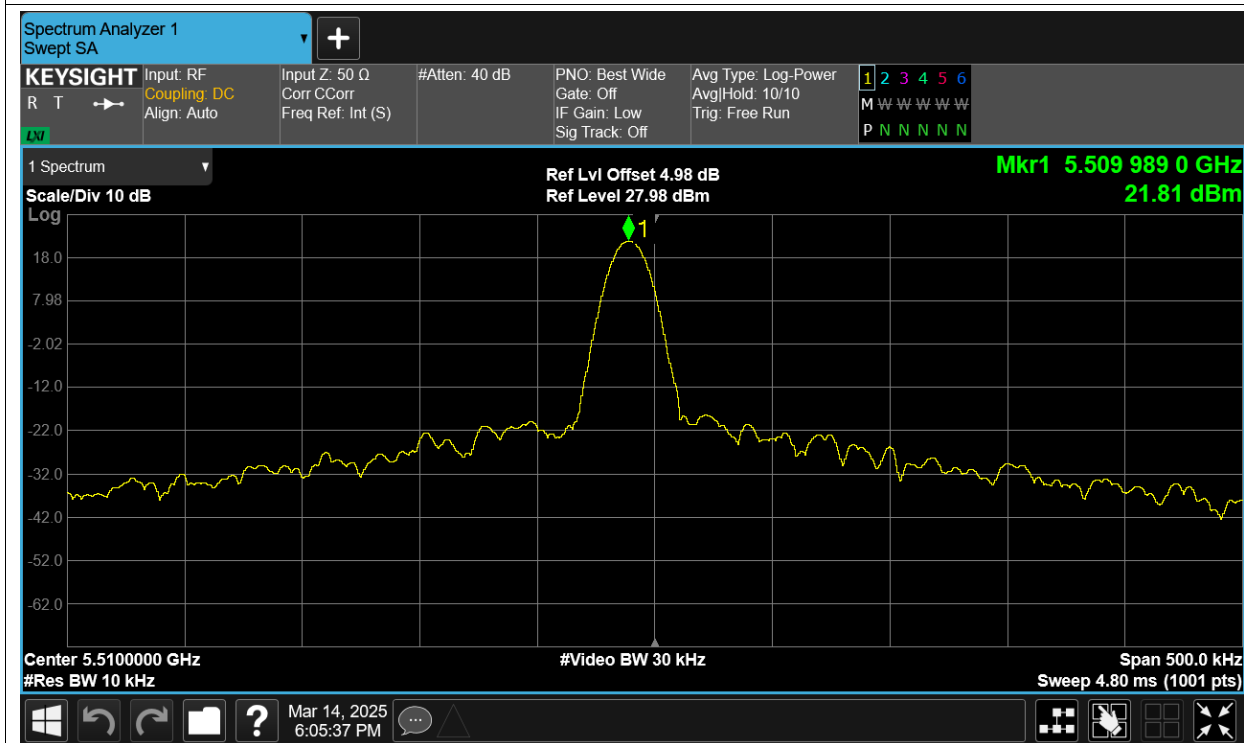
Freq. Stability LVNT n40 5510MHz Ant3



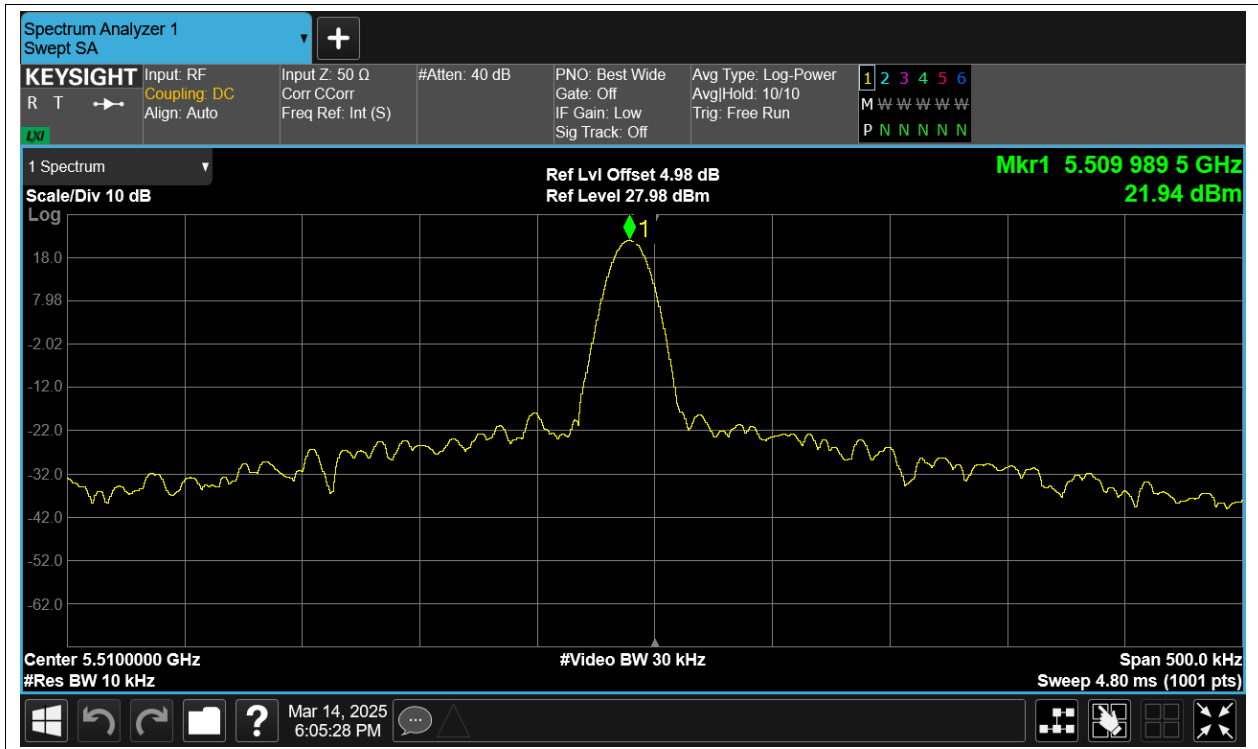
Freq. Stability NVHT n40 5510MHz Ant3



Freq. Stability NVLT n40 5510MHz Ant3

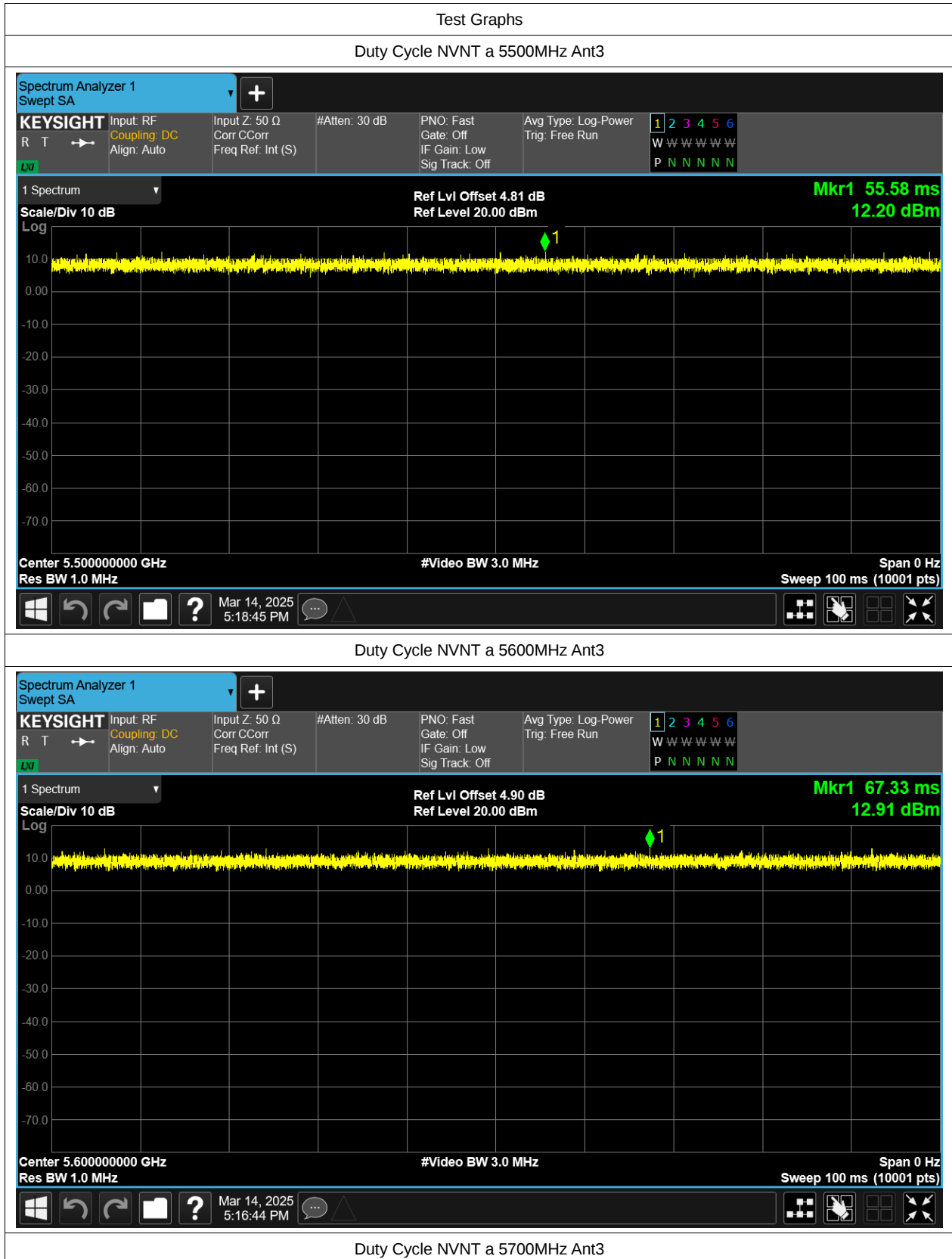


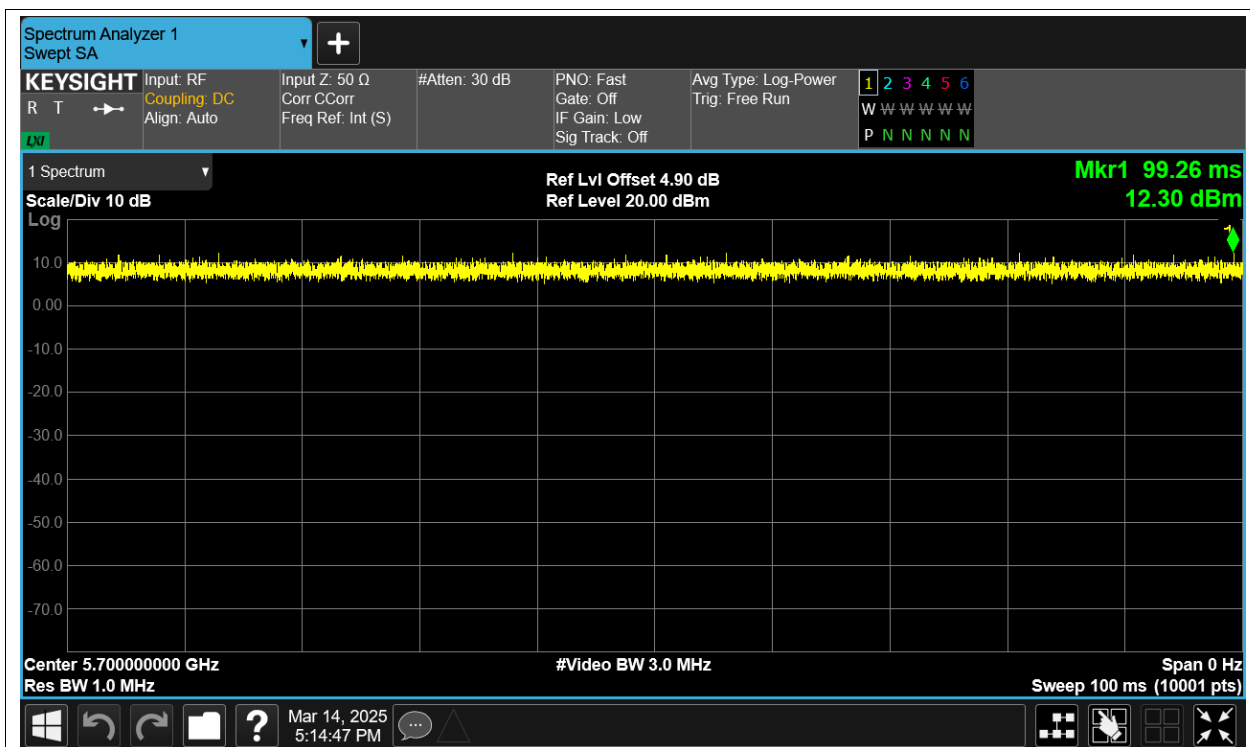
Freq. Stability NVNT n40 5510MHz Ant3



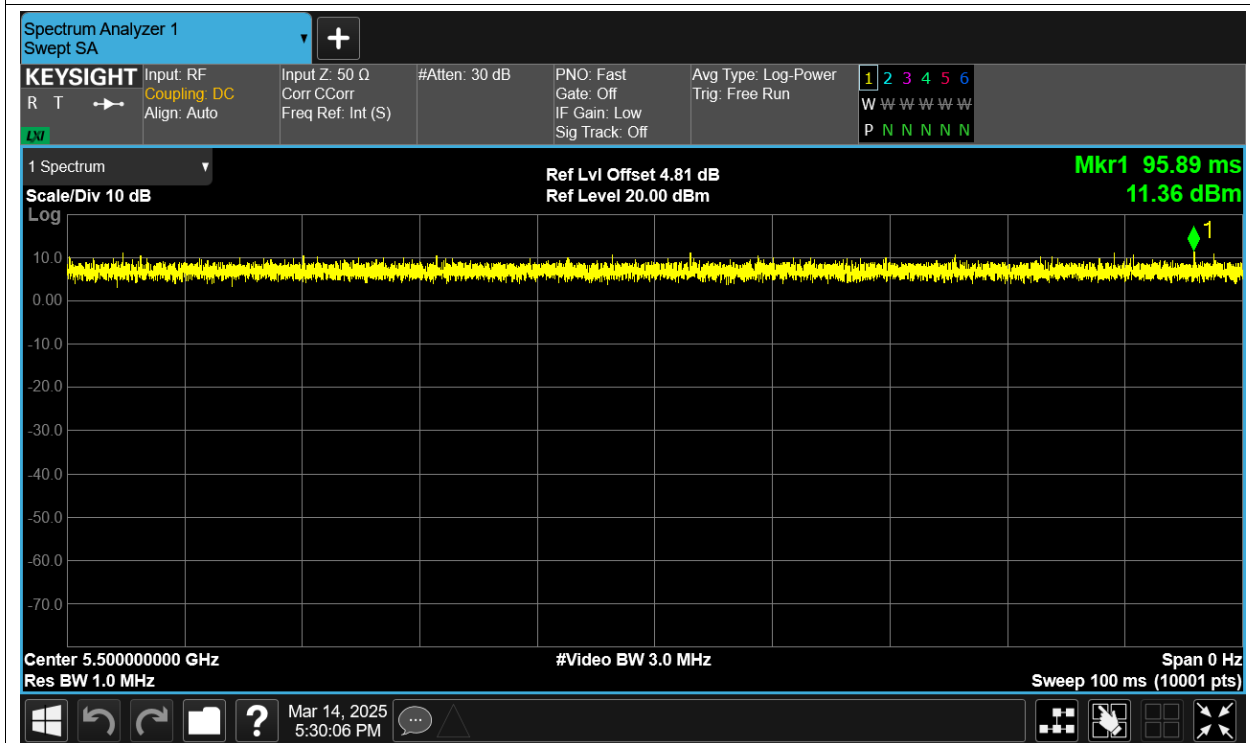
Duty Cycle

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

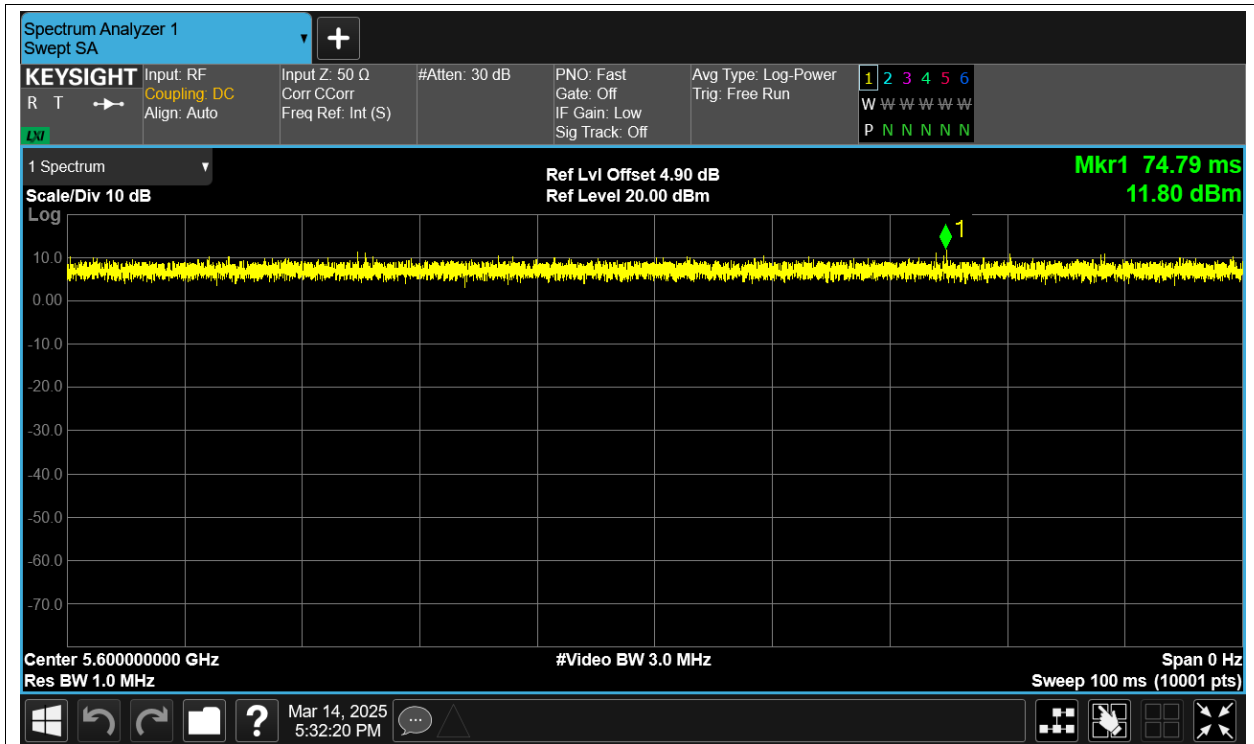




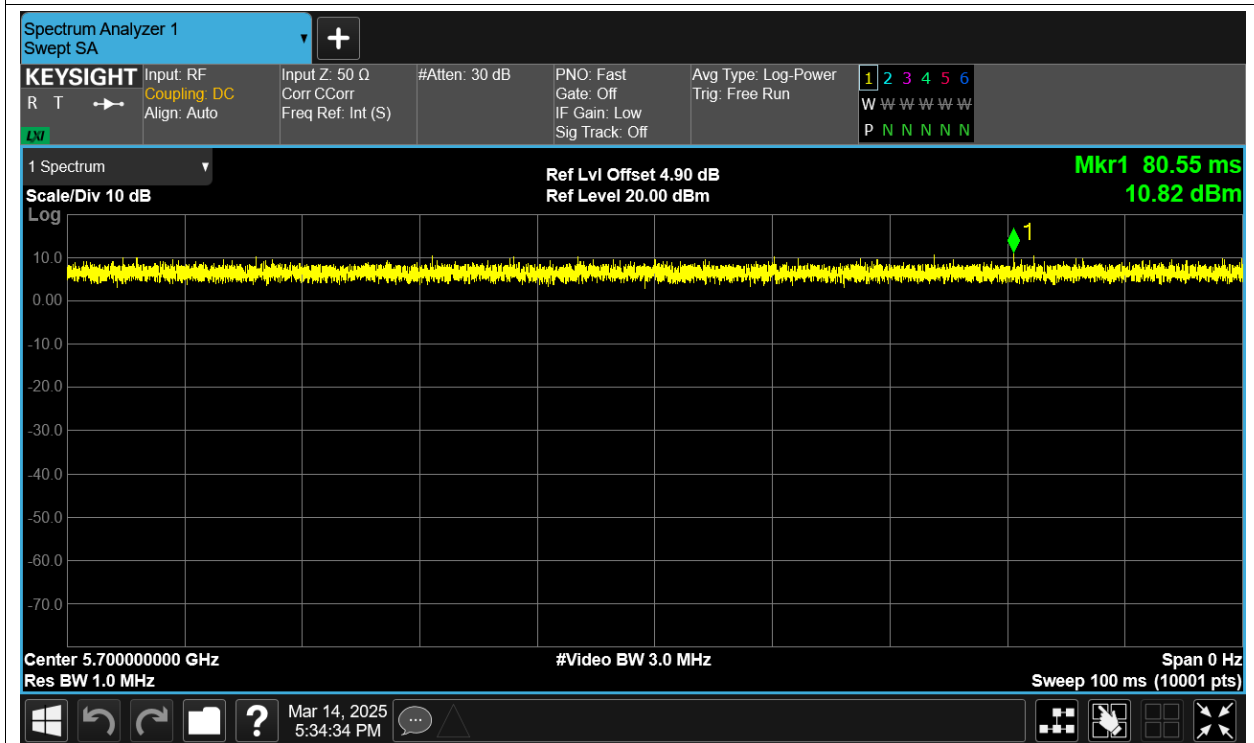
Duty Cycle NVNT ac20 5500MHz Ant3



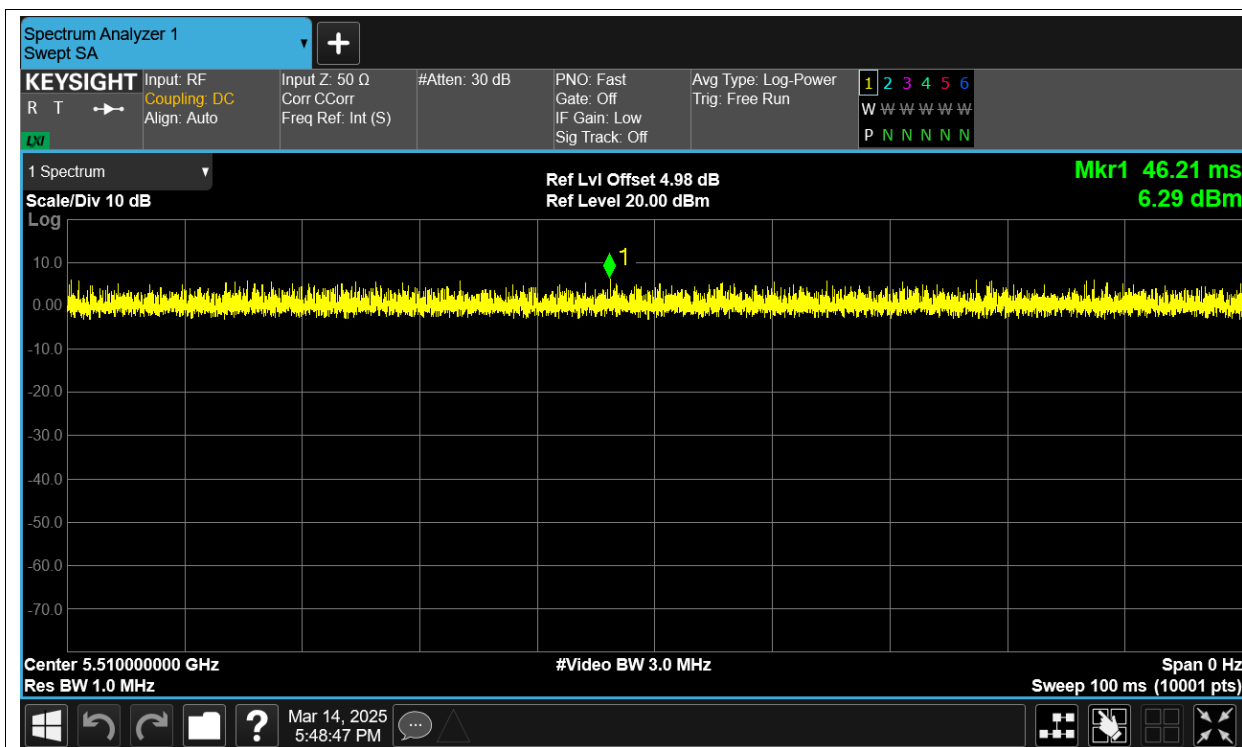
Duty Cycle NVNT ac20 5600MHz Ant3



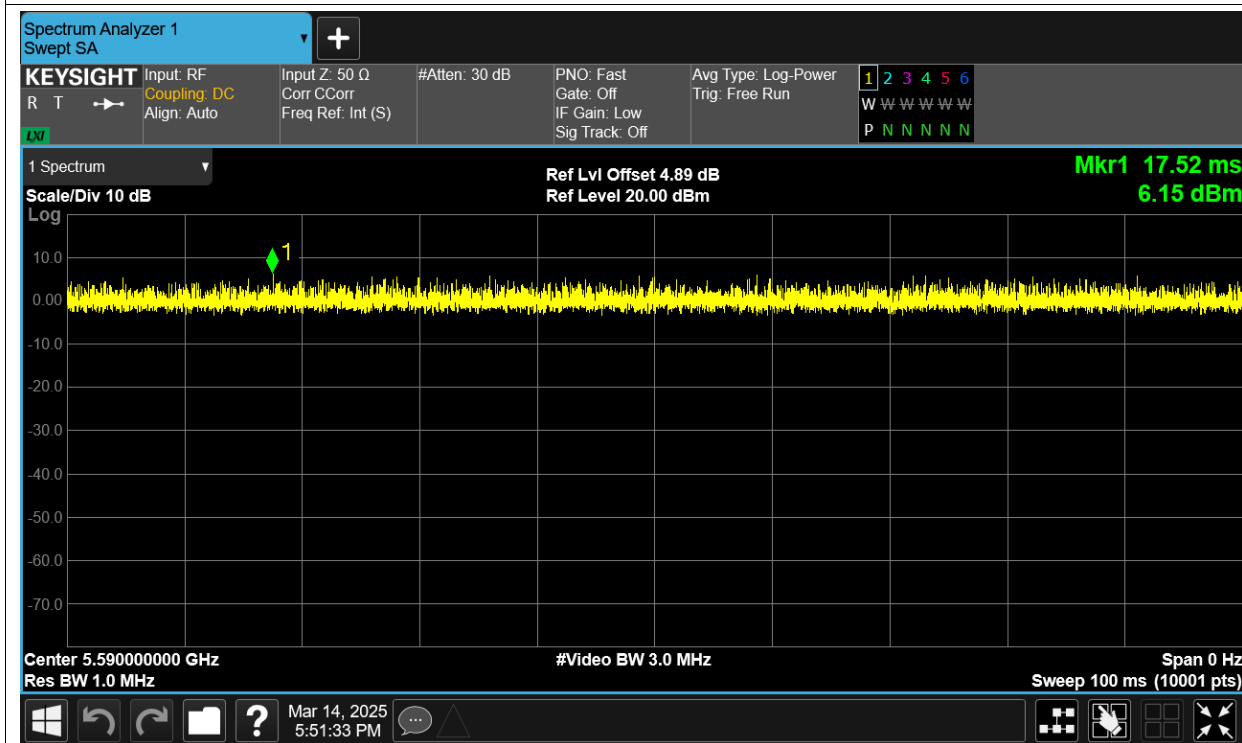
Duty Cycle NVNT ac20 5700MHz Ant3



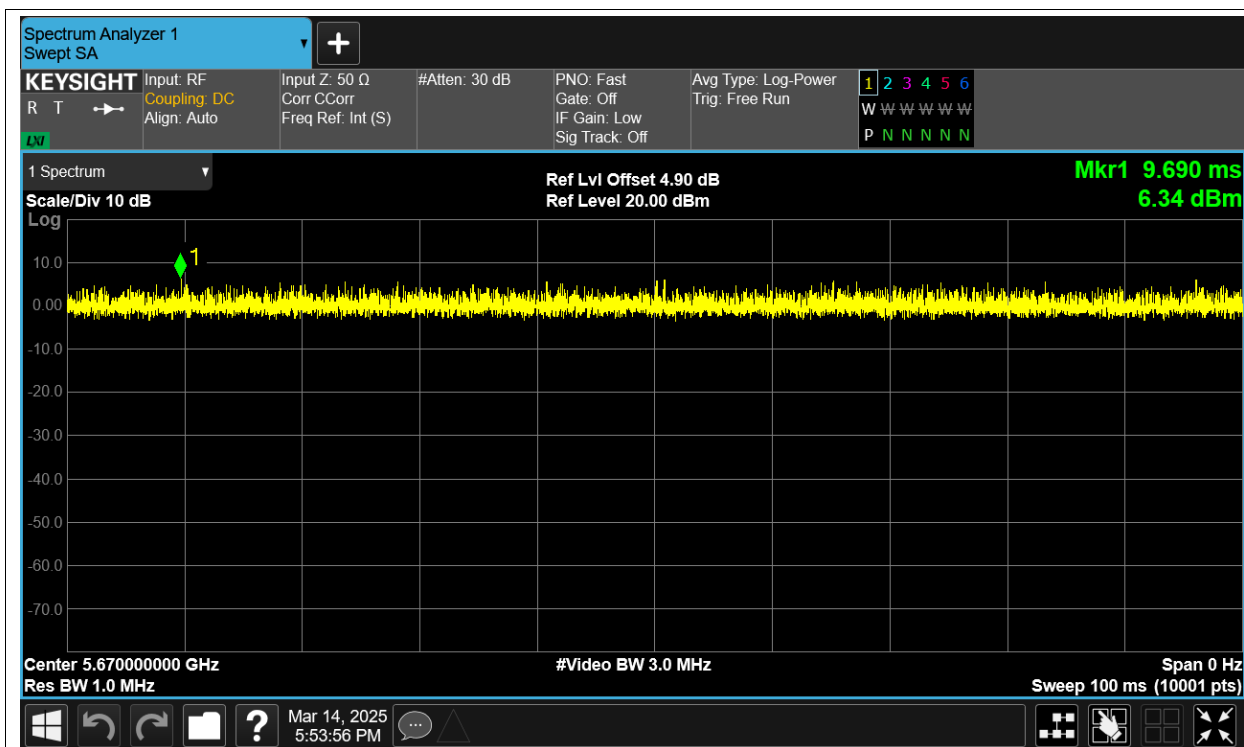
Duty Cycle NVNT ac40 5510MHz Ant3



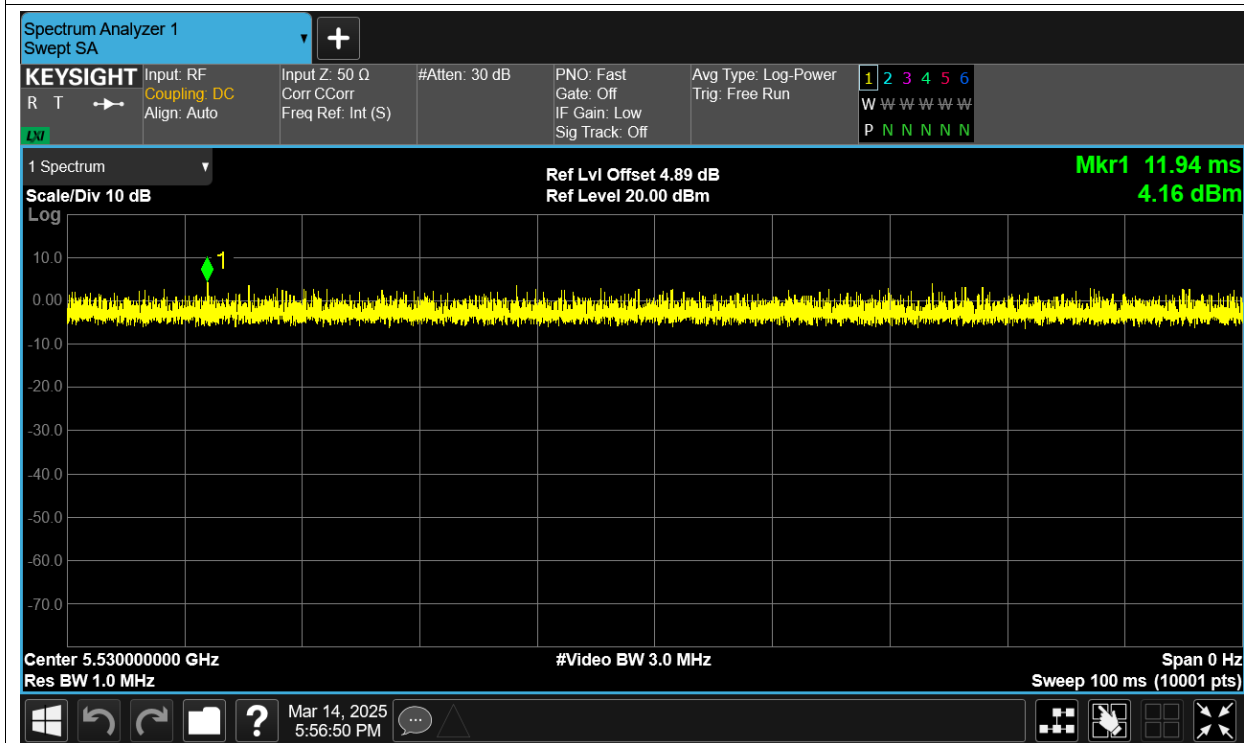
Duty Cycle NVNT ac40 5590MHz Ant3



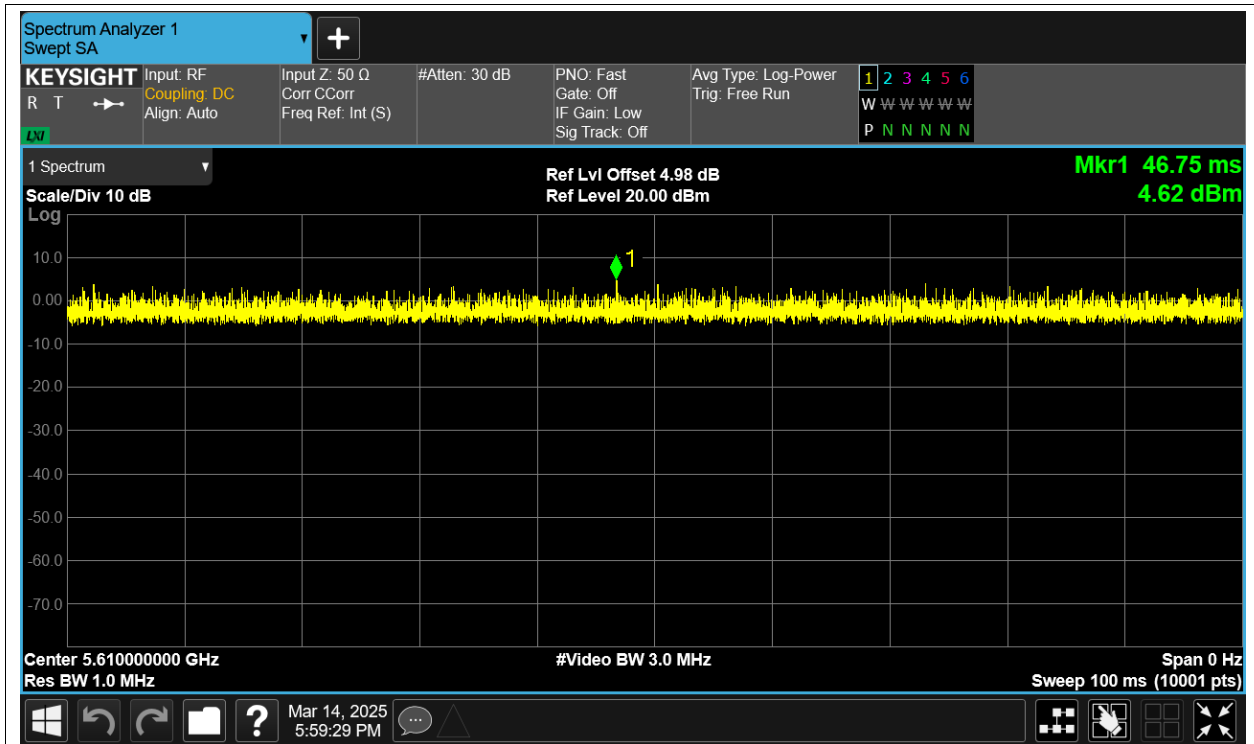
Duty Cycle NVNT ac40 5670MHz Ant3



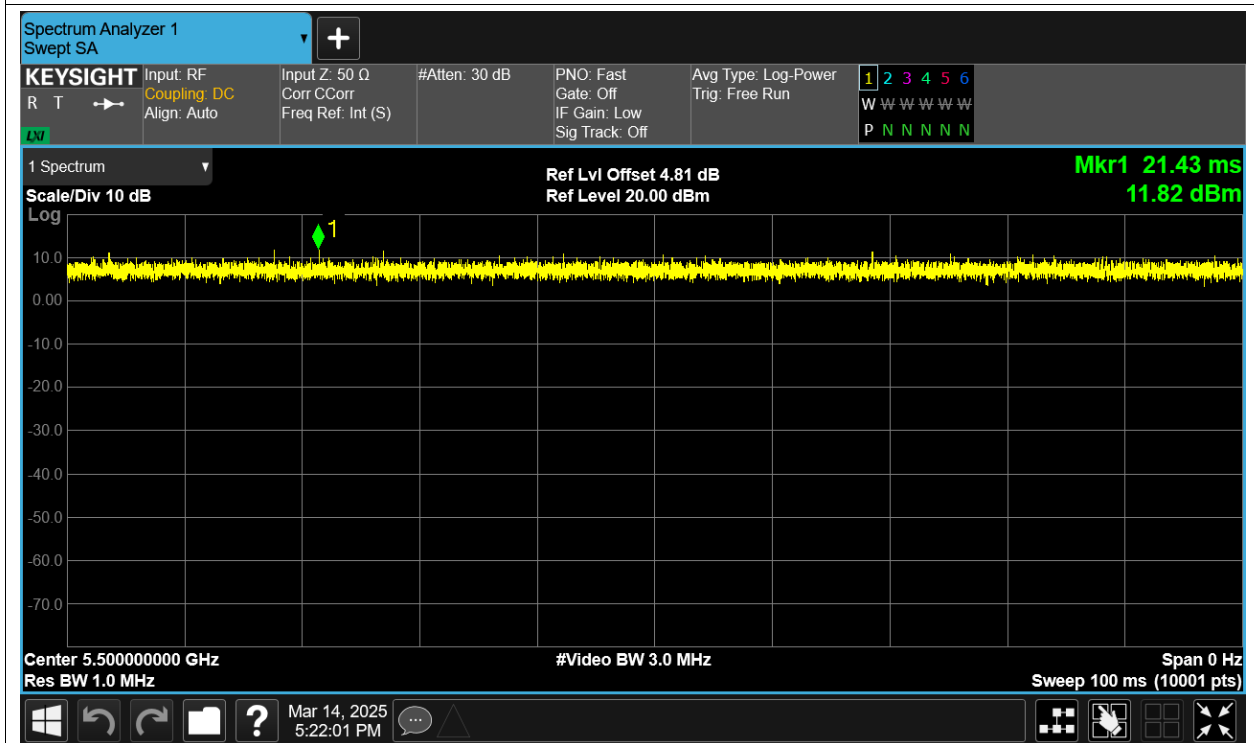
Duty Cycle NVNT ac80 5530MHz Ant3



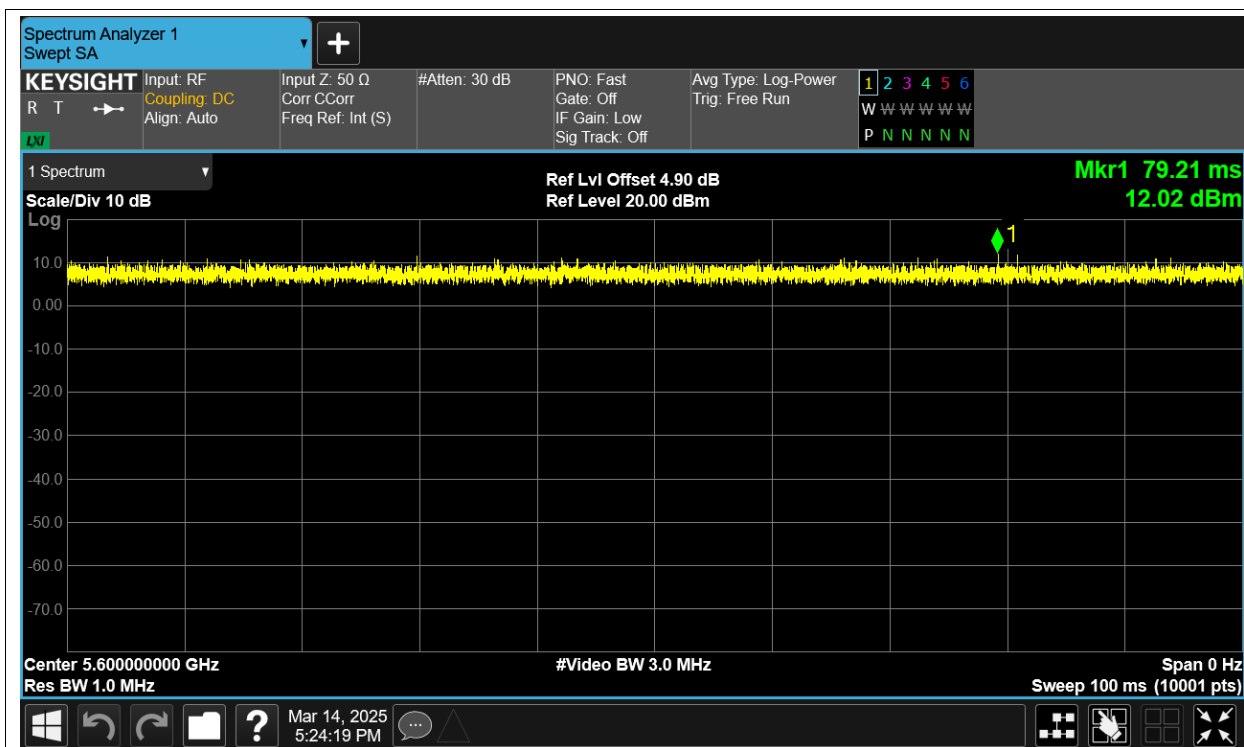
Duty Cycle NVNT ac80 5610MHz Ant3



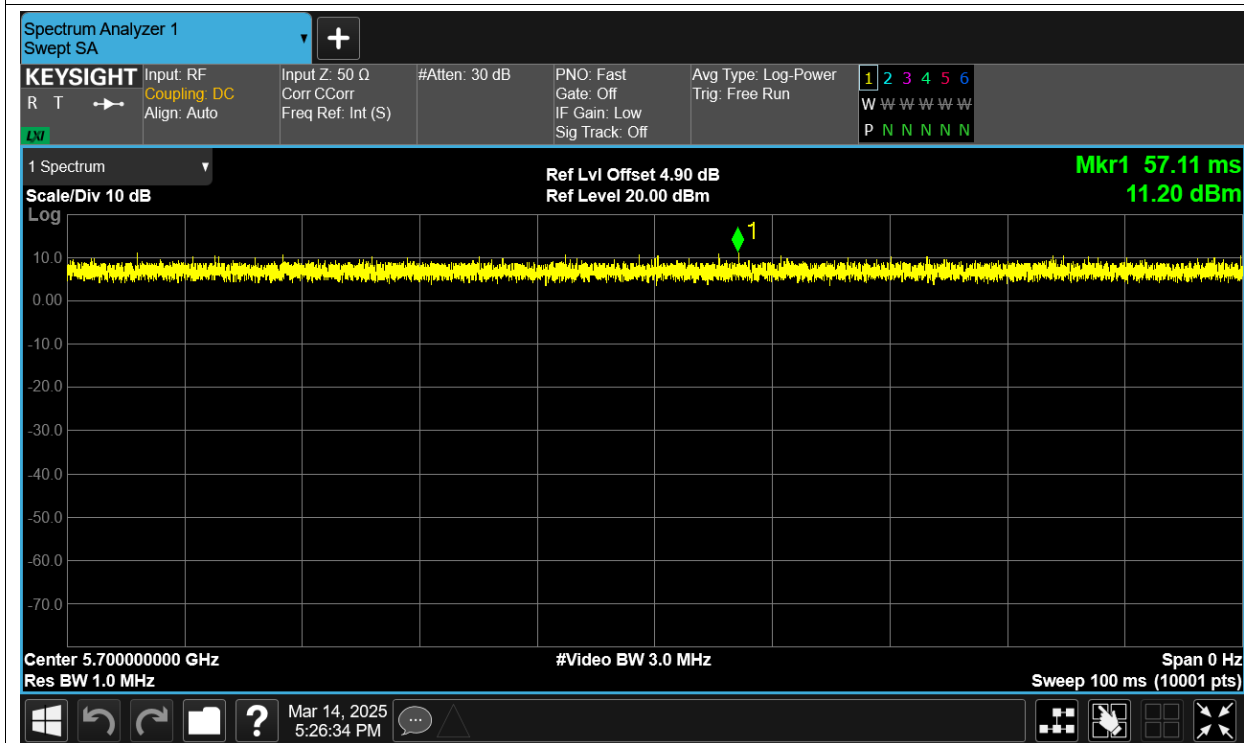
Duty Cycle NVNT n20 5500MHz Ant3



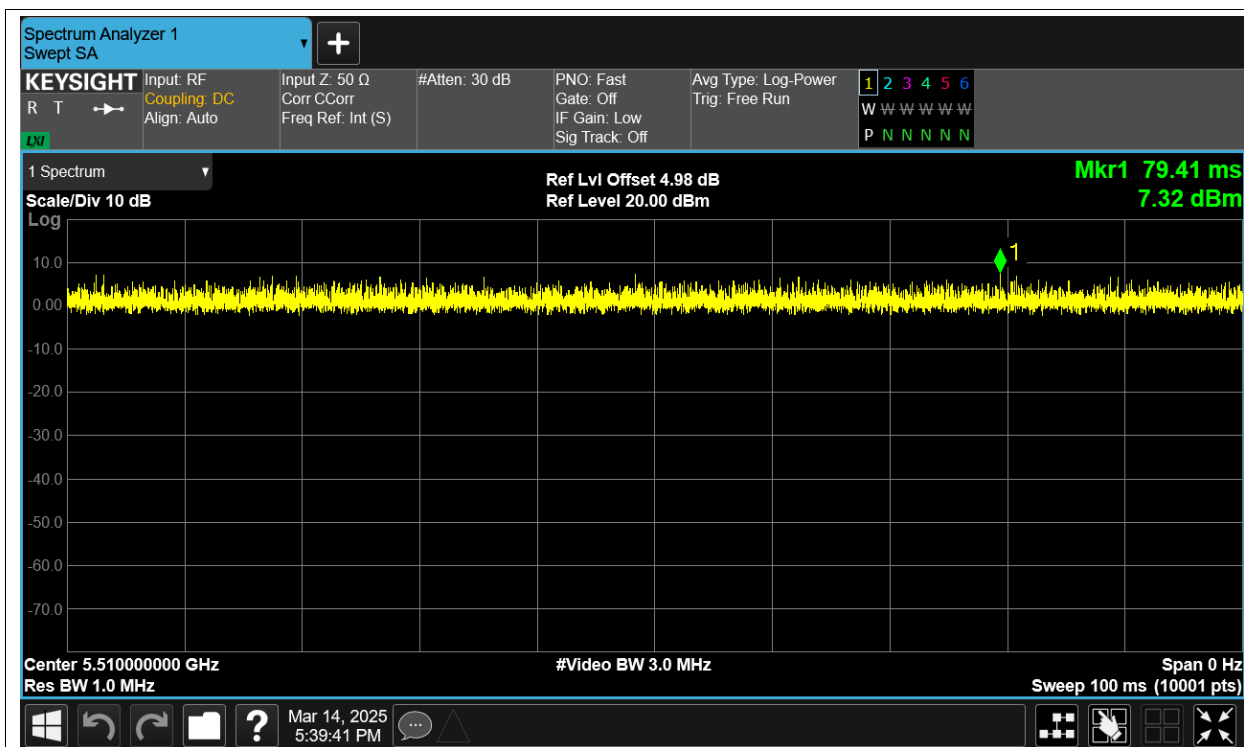
Duty Cycle NVNT n20 5600MHz Ant3



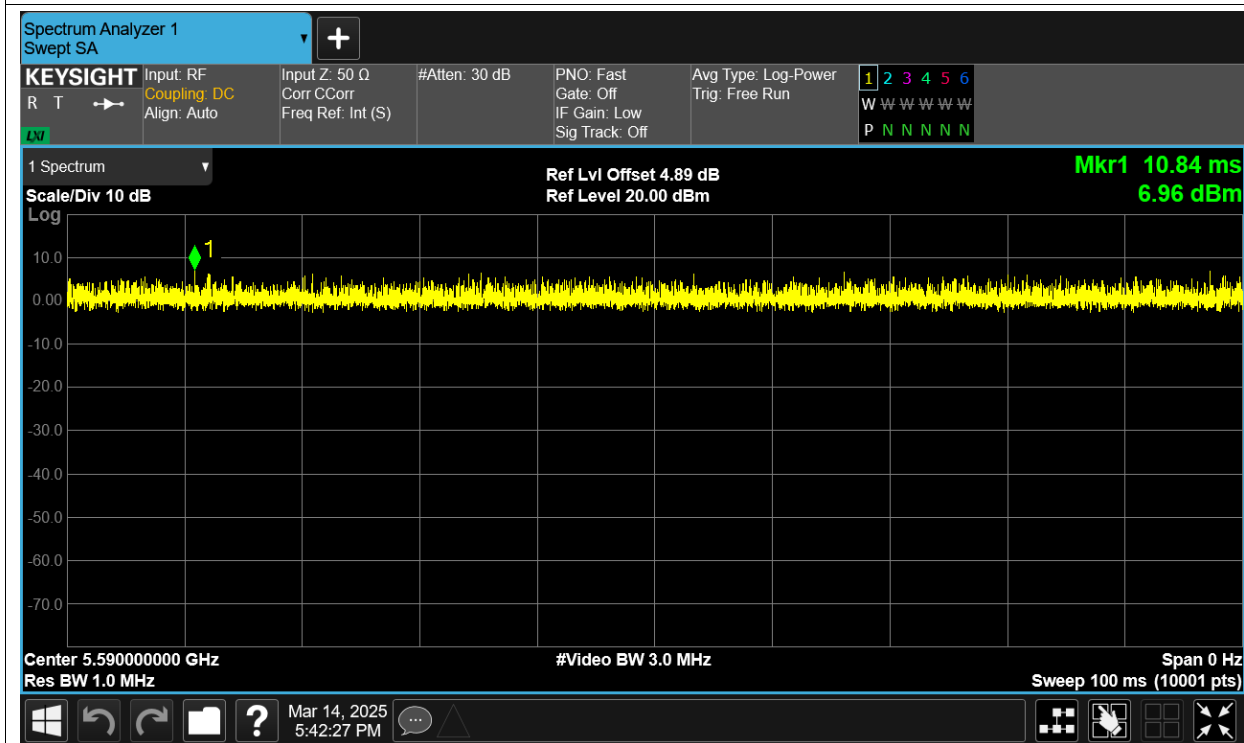
Duty Cycle NVNT n20 5700MHz Ant3



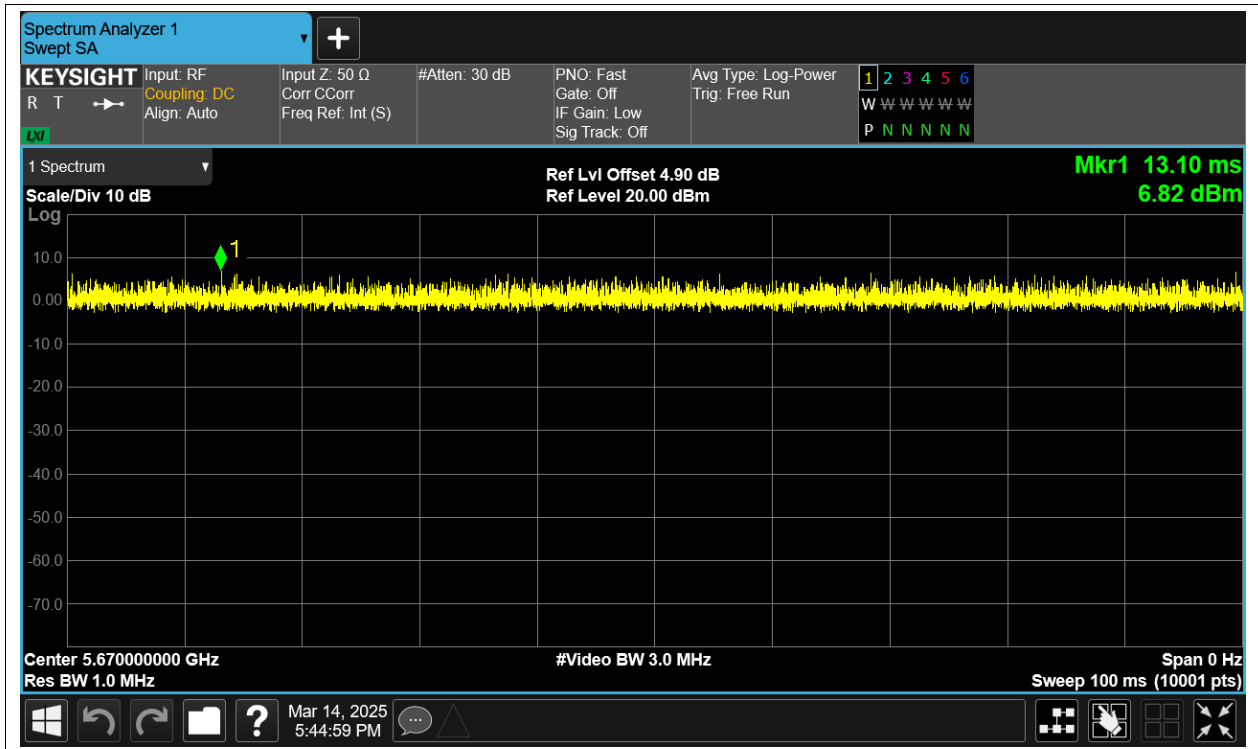
Duty Cycle NVNT n40 5510MHz Ant3



Duty Cycle NVNT n40 5590MHz Ant3



Duty Cycle NVNT n40 5670MHz Ant3



Maximum Conducted Output Power

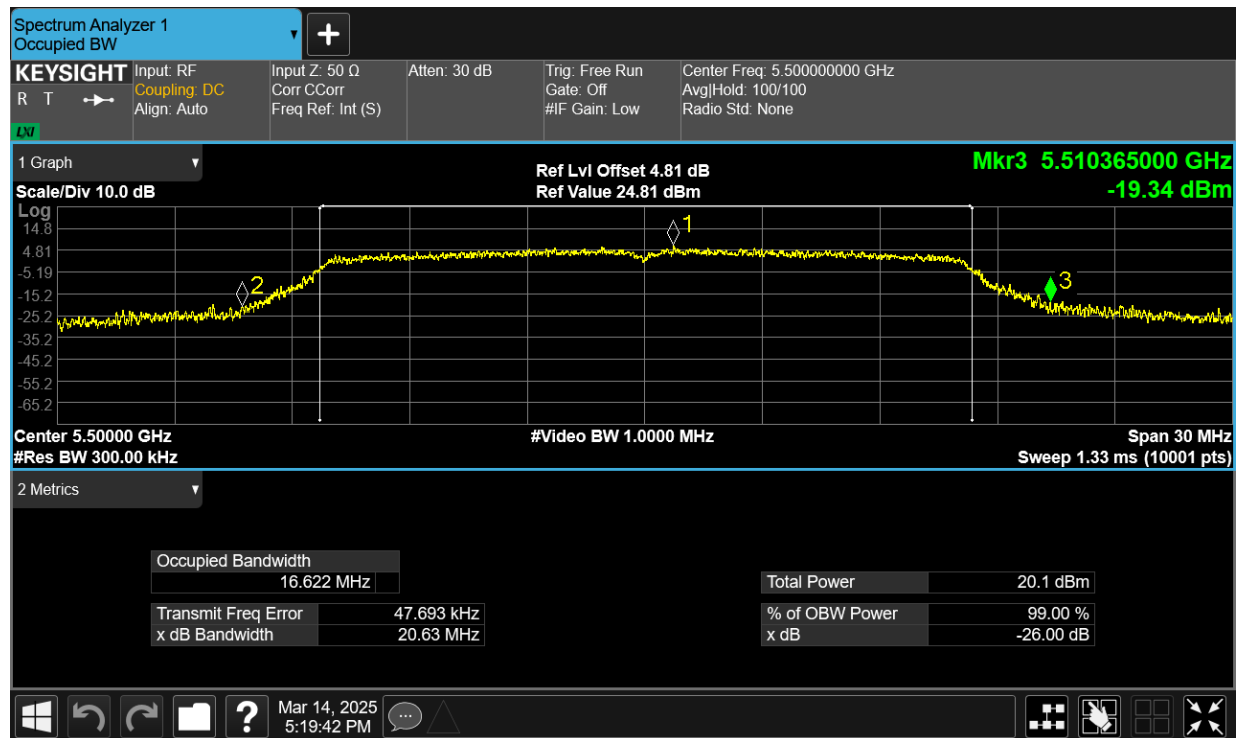
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant3	13.88	0	13.88	24	Pass
NVNT	a	5600	Ant3	13.97	0	13.97	24	Pass
NVNT	a	5700	Ant3	13.86	0	13.86	24	Pass
NVNT	ac20	5500	Ant3	12.76	0	12.76	24	Pass
NVNT	ac20	5600	Ant3	12.49	0	12.49	24	Pass
NVNT	ac20	5700	Ant3	12.49	0	12.49	24	Pass
NVNT	ac40	5510	Ant3	12.03	0	12.03	24	Pass
NVNT	ac40	5590	Ant3	12.08	0	12.08	24	Pass
NVNT	ac40	5670	Ant3	12.32	0	12.32	24	Pass
NVNT	ac80	5530	Ant3	12.3	0	12.3	24	Pass
NVNT	ac80	5610	Ant3	12.43	0	12.43	24	Pass
NVNT	n20	5500	Ant3	12.98	0	12.98	24	Pass
NVNT	n20	5600	Ant3	12.82	0	12.82	24	Pass
NVNT	n20	5700	Ant3	12.81	0	12.81	24	Pass
NVNT	n40	5510	Ant3	12.83	0	12.83	24	Pass
NVNT	n40	5590	Ant3	12.6	0	12.6	24	Pass
NVNT	n40	5670	Ant3	12.81	0	12.81	24	Pass

-26dB Bandwidth

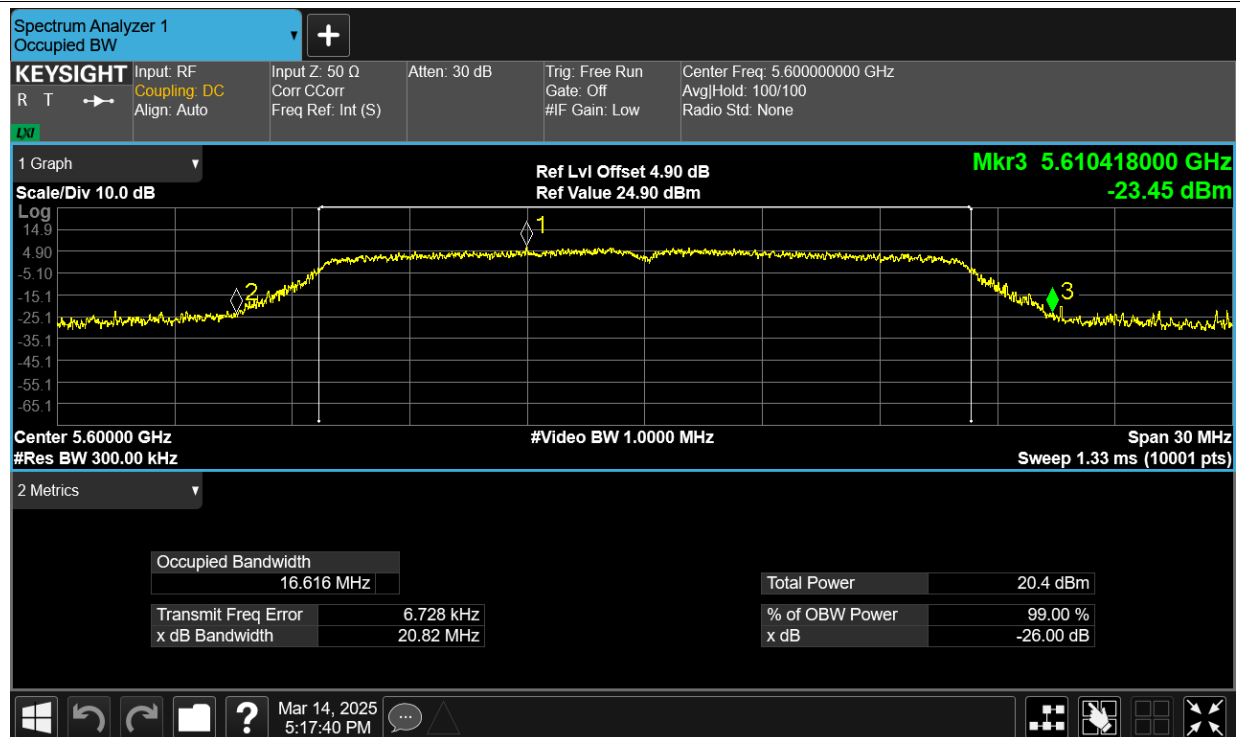
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant3	20.635
NVNT	a	5600	Ant3	20.823
NVNT	a	5700	Ant3	20.021
NVNT	ac20	5500	Ant3	20.483
NVNT	ac20	5600	Ant3	20.469
NVNT	ac20	5700	Ant3	20.387
NVNT	ac40	5510	Ant3	39.732
NVNT	ac40	5590	Ant3	39.469
NVNT	ac40	5670	Ant3	39.717
NVNT	ac80	5530	Ant3	79.055
NVNT	ac80	5610	Ant3	78.682
NVNT	n20	5500	Ant3	21.574
NVNT	n20	5600	Ant3	20.323
NVNT	n20	5700	Ant3	20.296
NVNT	n40	5510	Ant3	40.127
NVNT	n40	5590	Ant3	40.449
NVNT	n40	5670	Ant3	39.614

Test Graphs

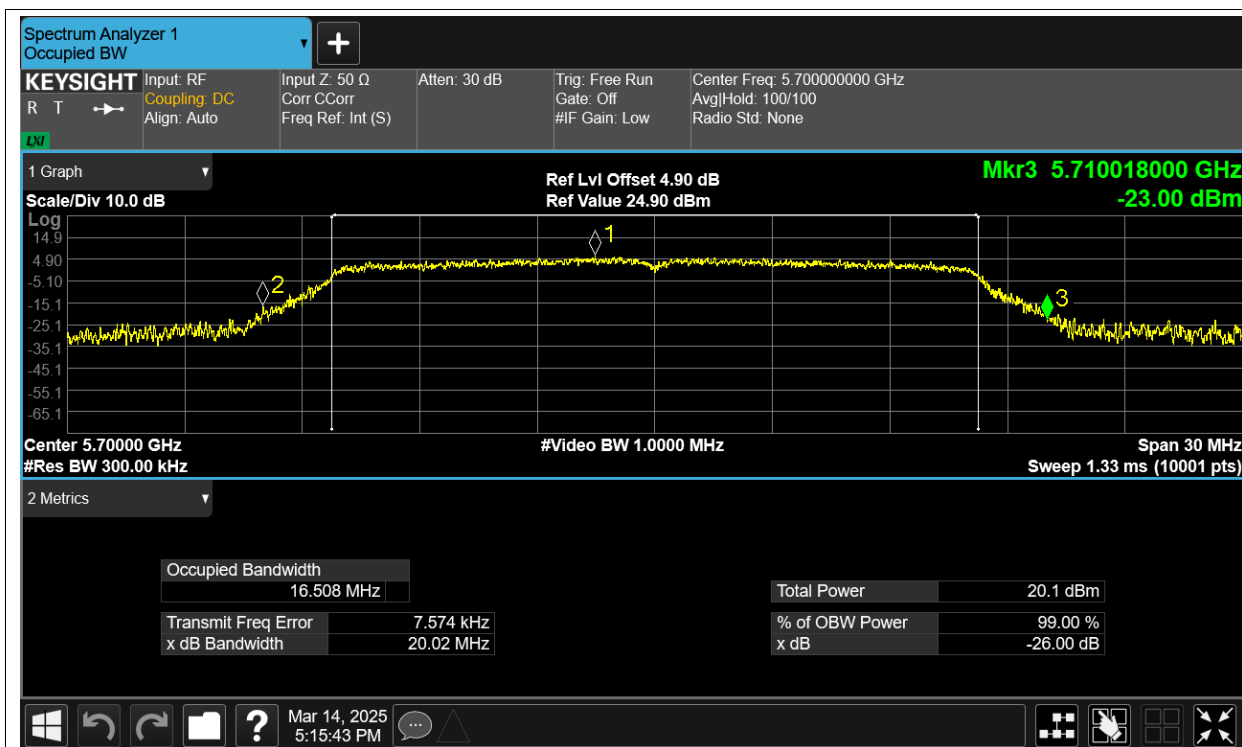
-26dB Bandwidth NVNT a 5500MHz Ant3



-26dB Bandwidth NVNT a 5600MHz Ant3



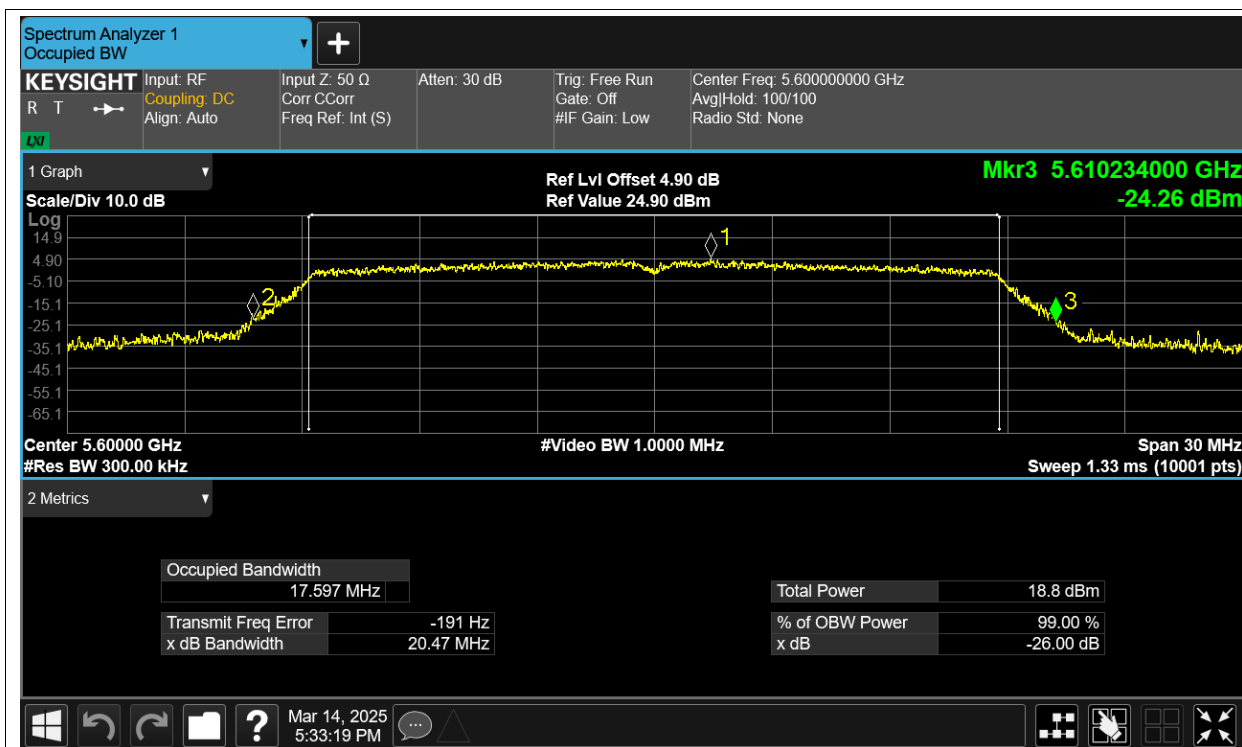
-26dB Bandwidth NVNT a 5700MHz Ant3



-26dB Bandwidth NVNT ac20 5500MHz Ant3



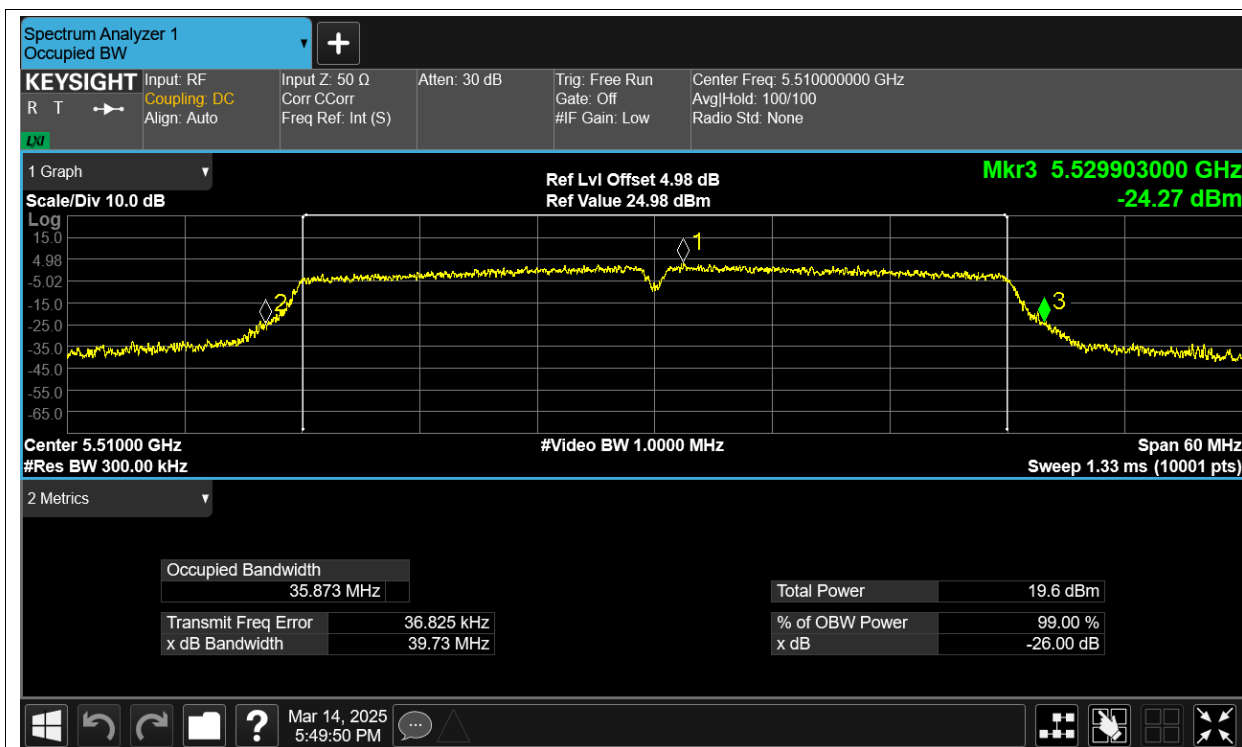
-26dB Bandwidth NVNT ac20 5600MHz Ant3



-26dB Bandwidth NVNT ac20 5700MHz Ant3



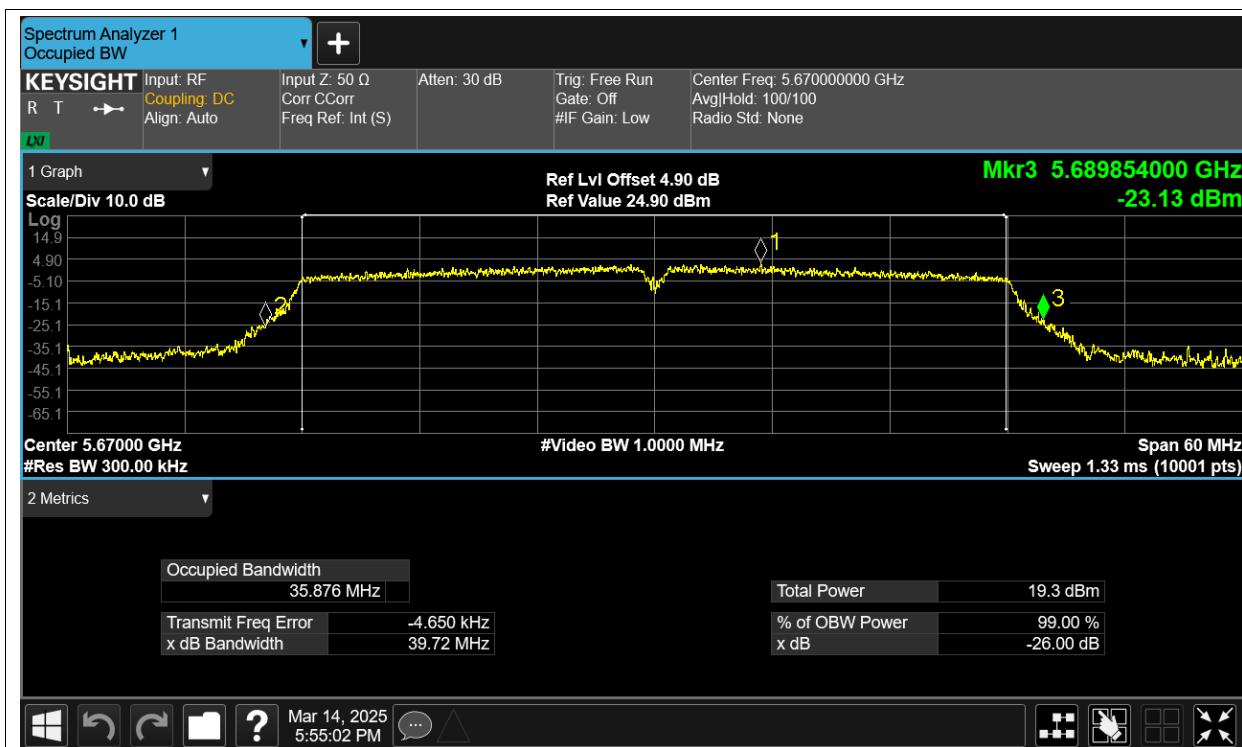
-26dB Bandwidth NVNT ac40 5510MHz Ant3



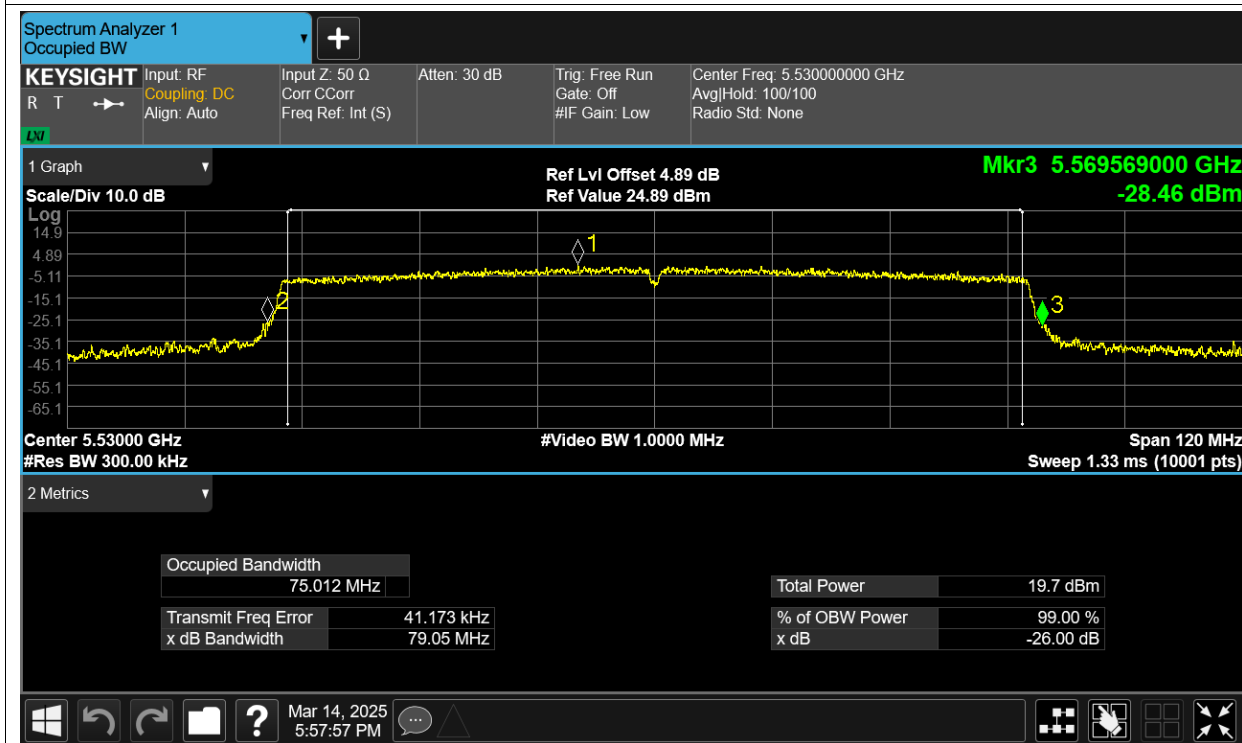
-26dB Bandwidth NVNT ac40 5590MHz Ant3



-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

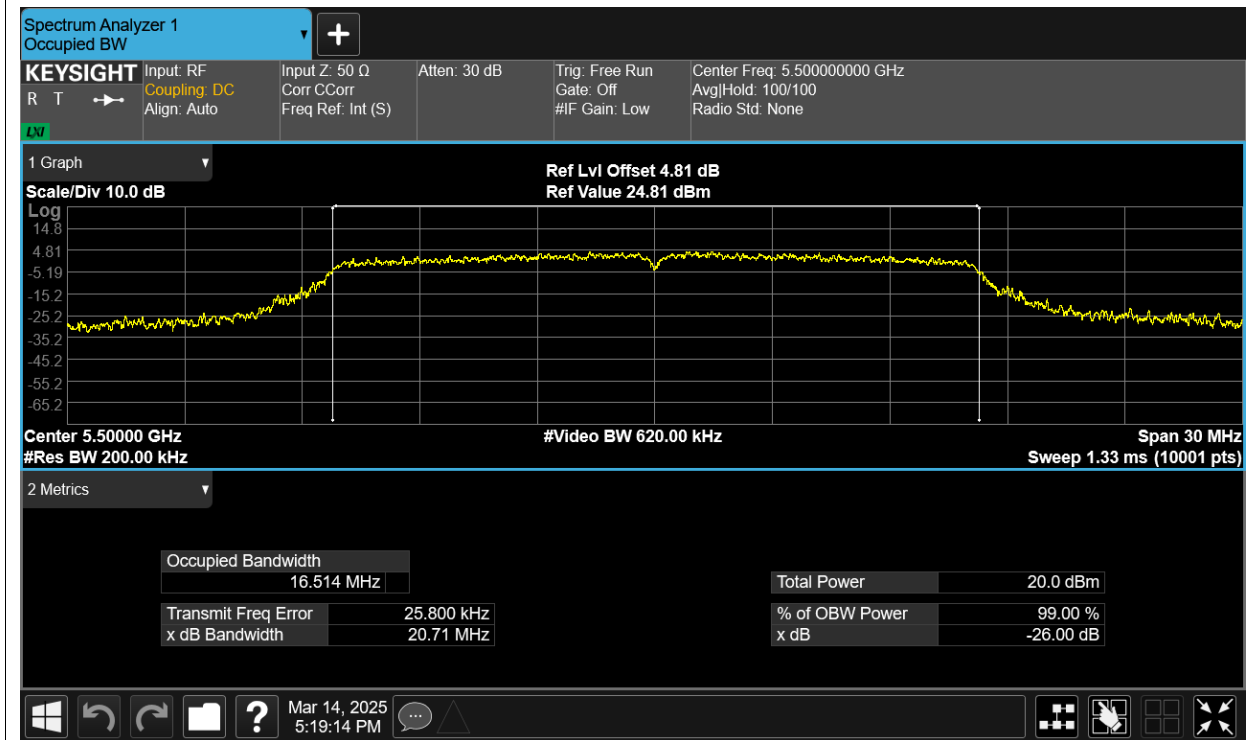


Occupied Channel Bandwidth

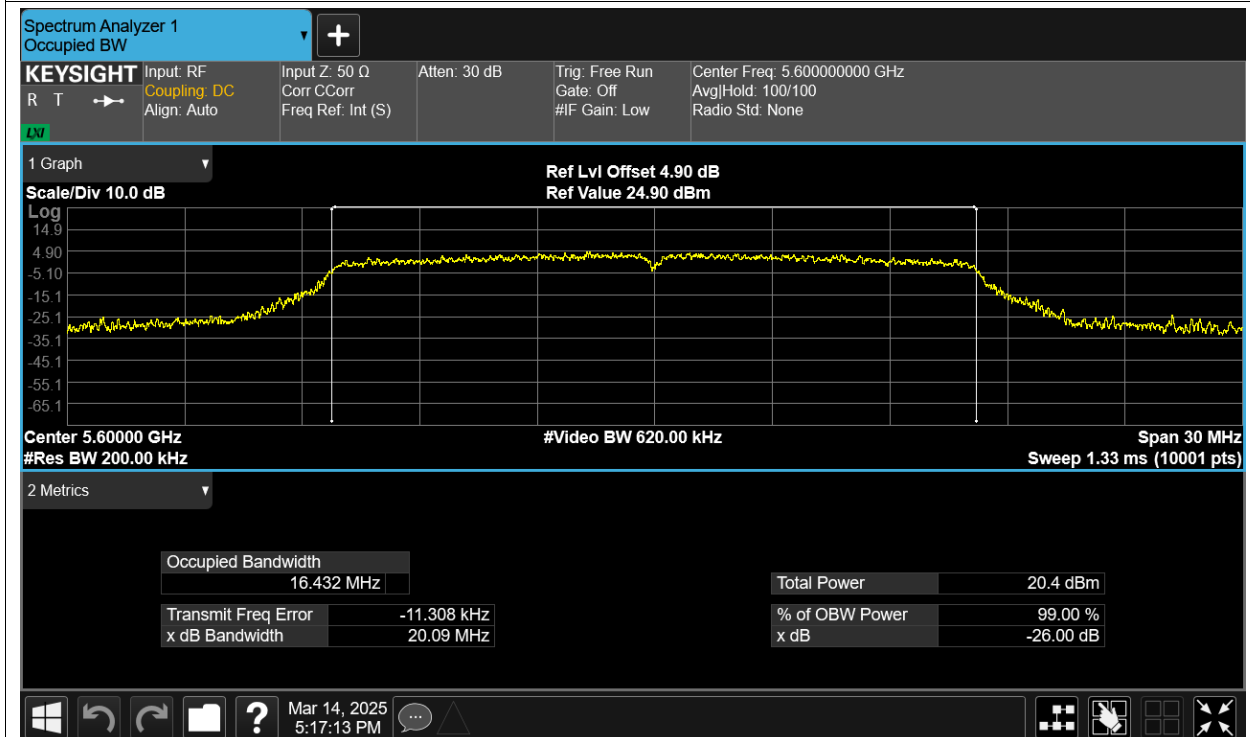
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant3	16.514
NVNT	a	5600	Ant3	16.432
NVNT	a	5700	Ant3	16.402
NVNT	ac20	5500	Ant3	17.591
NVNT	ac20	5600	Ant3	17.551
NVNT	ac20	5700	Ant3	17.548
NVNT	ac40	5510	Ant3	35.942
NVNT	ac40	5590	Ant3	35.916
NVNT	ac40	5670	Ant3	35.948
NVNT	ac80	5530	Ant3	74.855
NVNT	ac80	5610	Ant3	74.967
NVNT	n20	5500	Ant3	17.597
NVNT	n20	5600	Ant3	17.564
NVNT	n20	5700	Ant3	17.555
NVNT	n40	5510	Ant3	35.922
NVNT	n40	5590	Ant3	35.943
NVNT	n40	5670	Ant3	35.928

Test Graphs

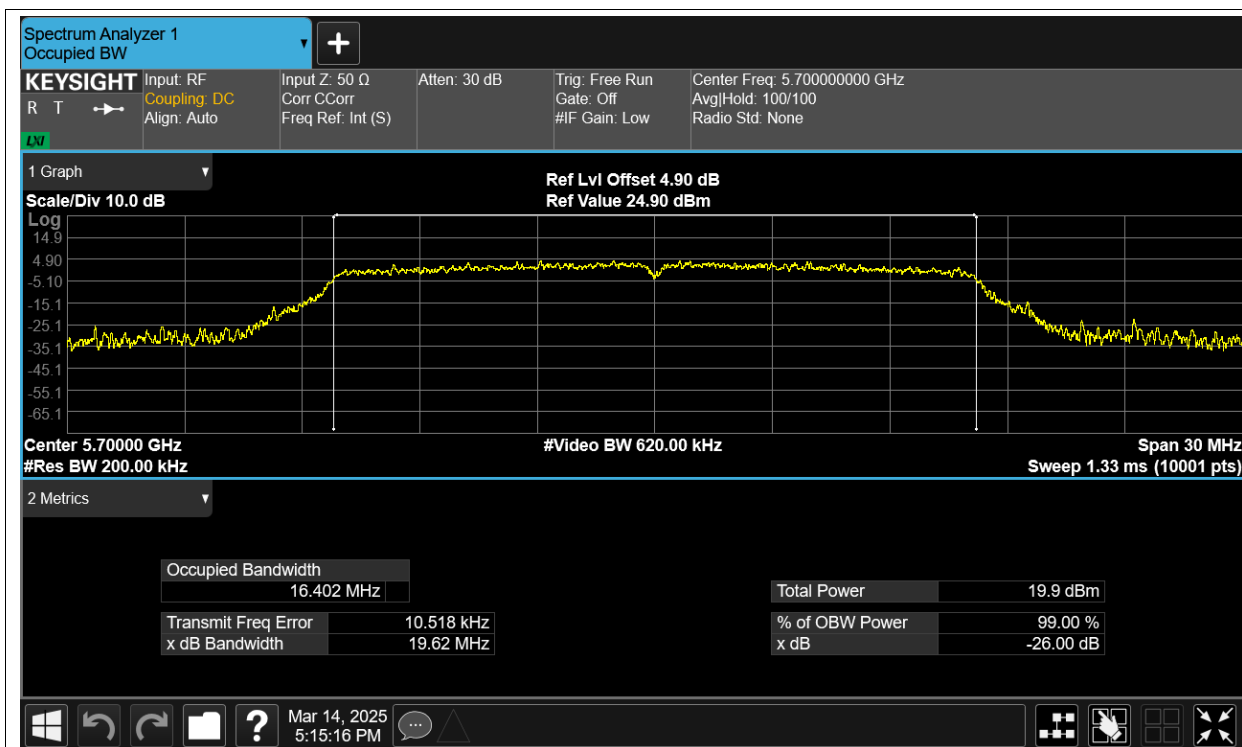
OBW NVNT a 5500MHz Ant3



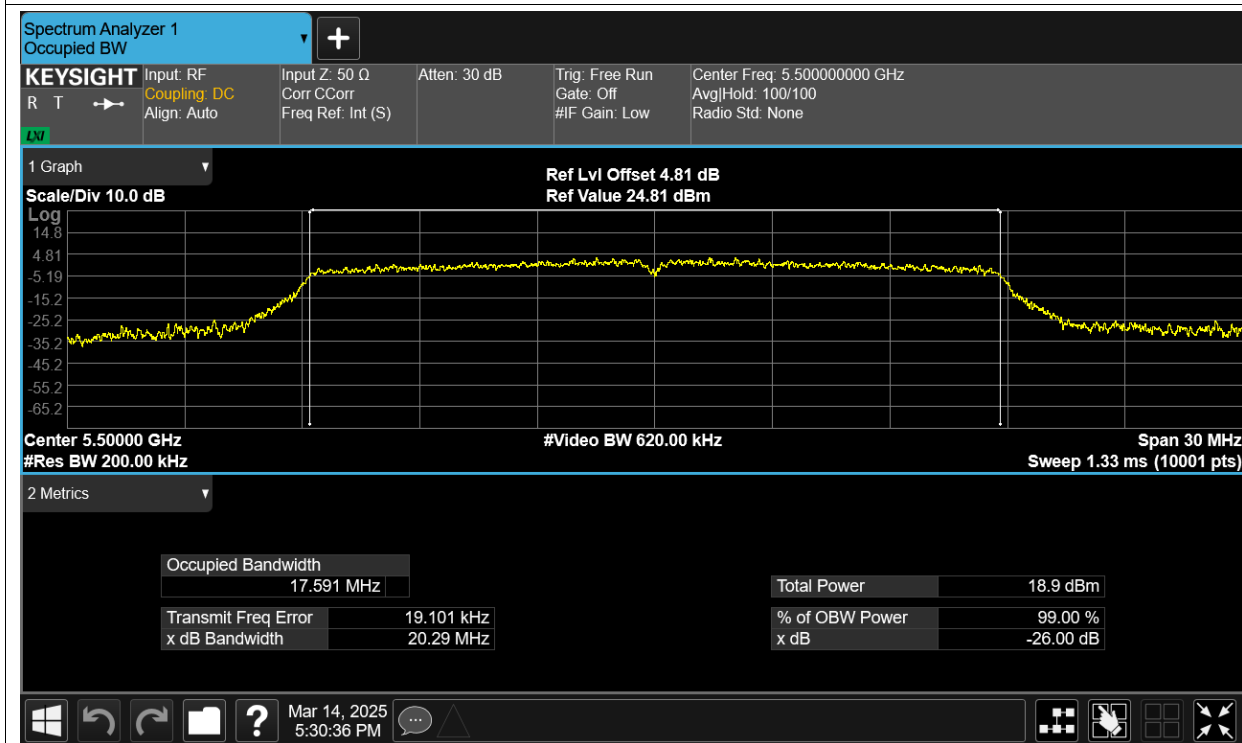
OBW NVNT a 5600MHz Ant3



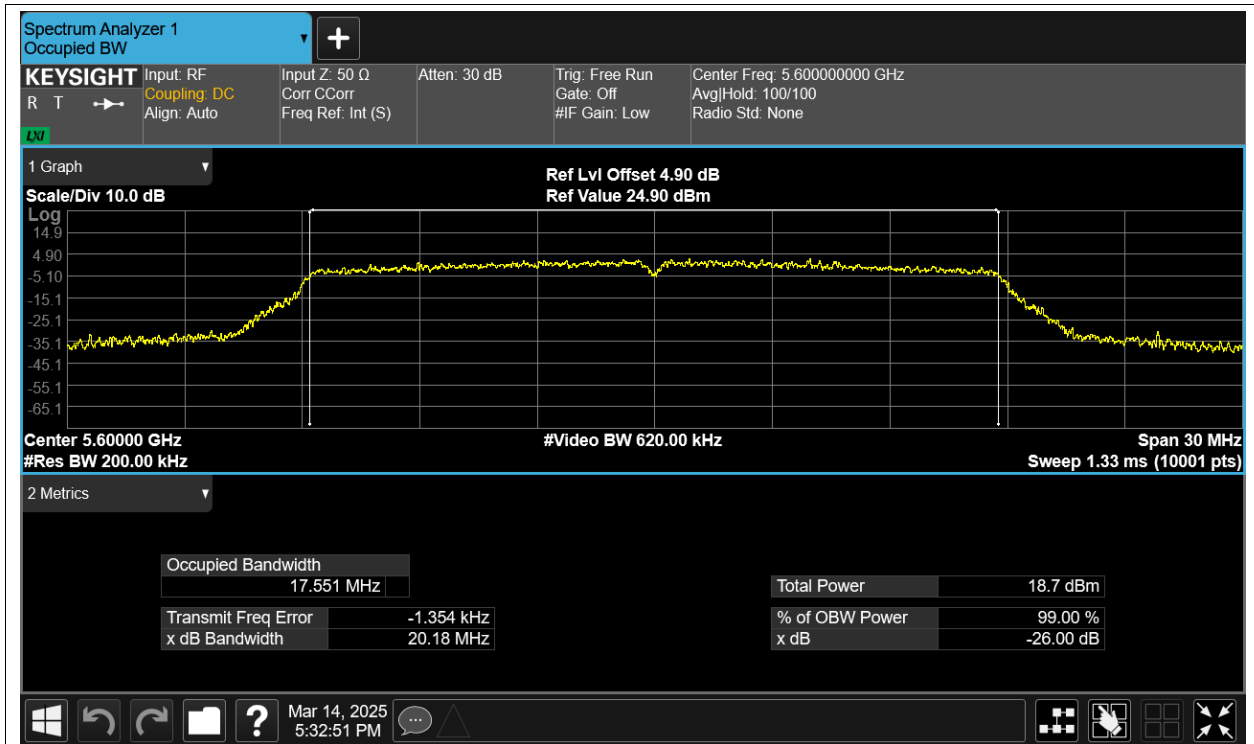
OBW NVNT a 5700MHz Ant3



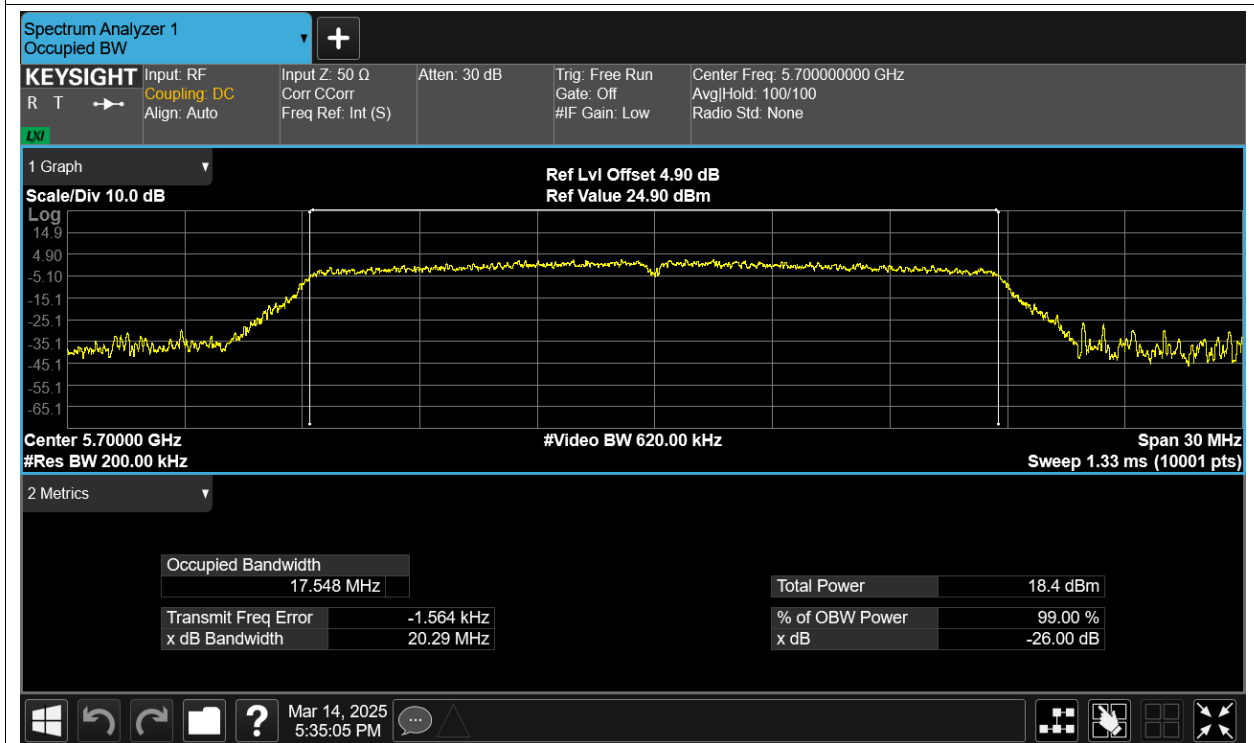
OBW NVNT ac20 5500MHz Ant3



OBW NVNT ac20 5600MHz Ant3



OBW NVNT ac20 5700MHz Ant3



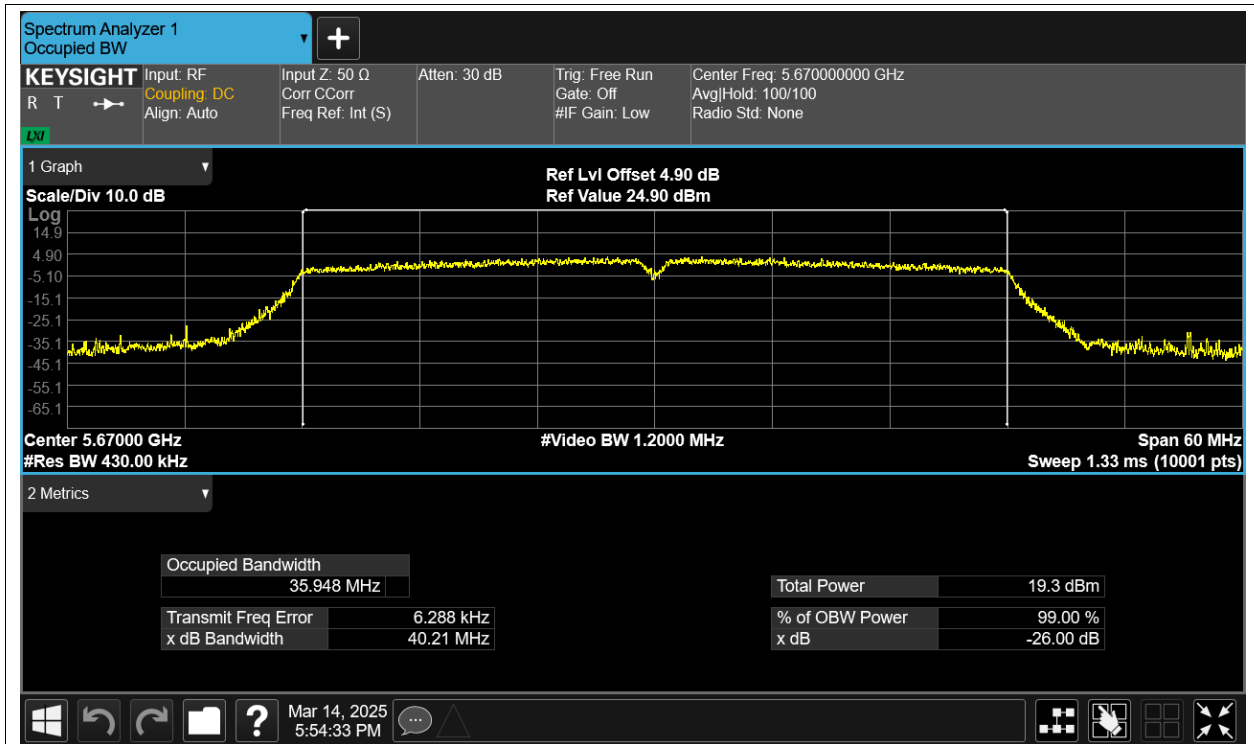
OBW NVNT ac40 5510MHz Ant3



OBW NVNT ac40 5590MHz Ant3



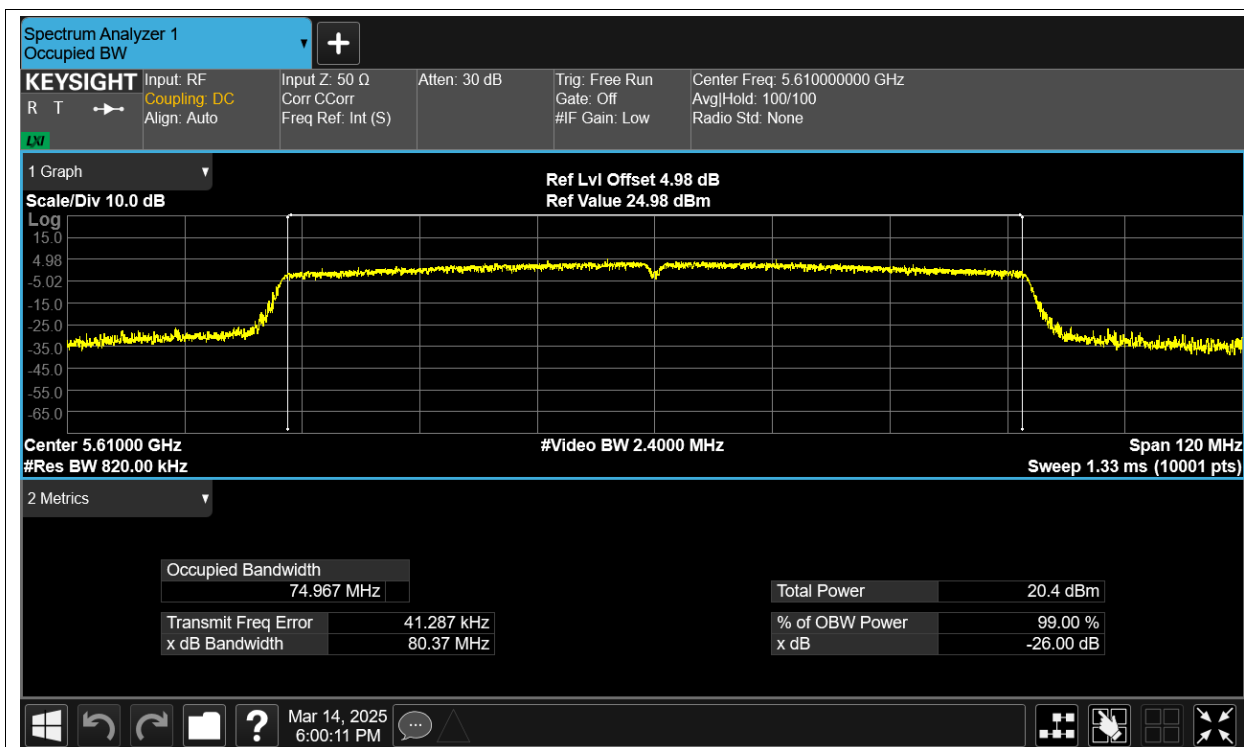
OBW NVNT ac40 5670MHz Ant3



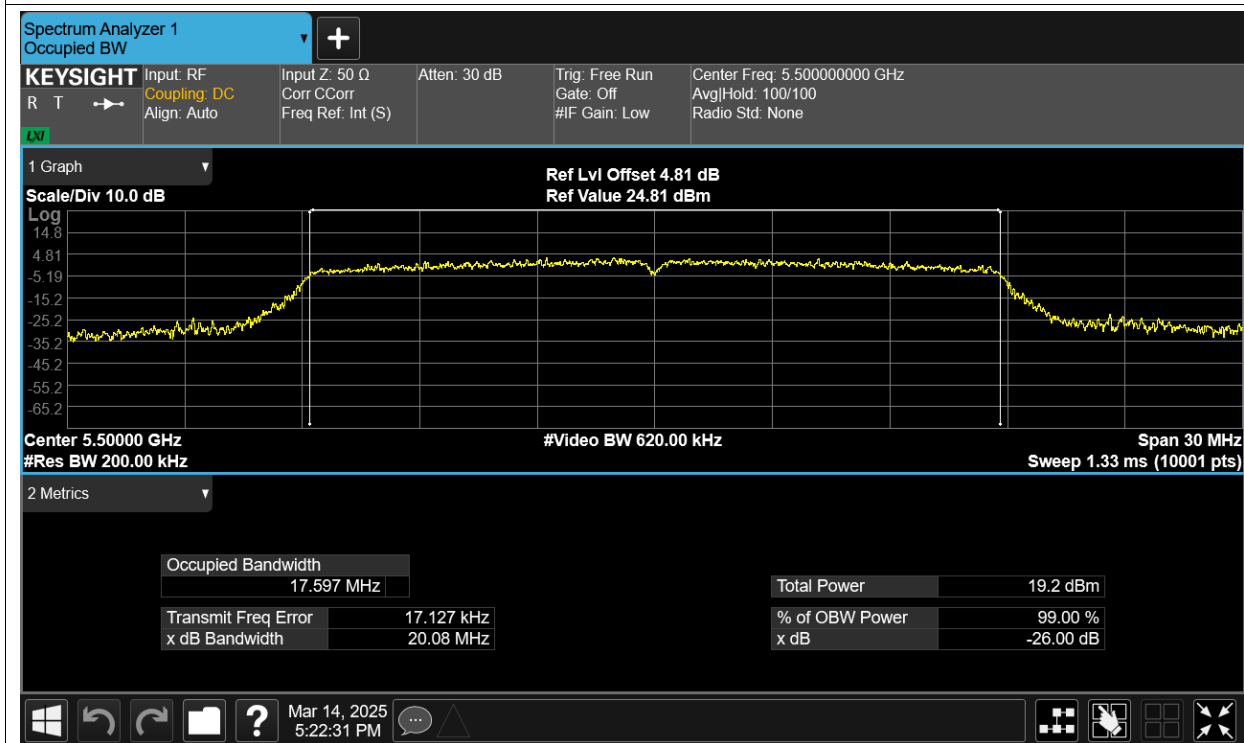
OBW NVNT ac80 5530MHz Ant3



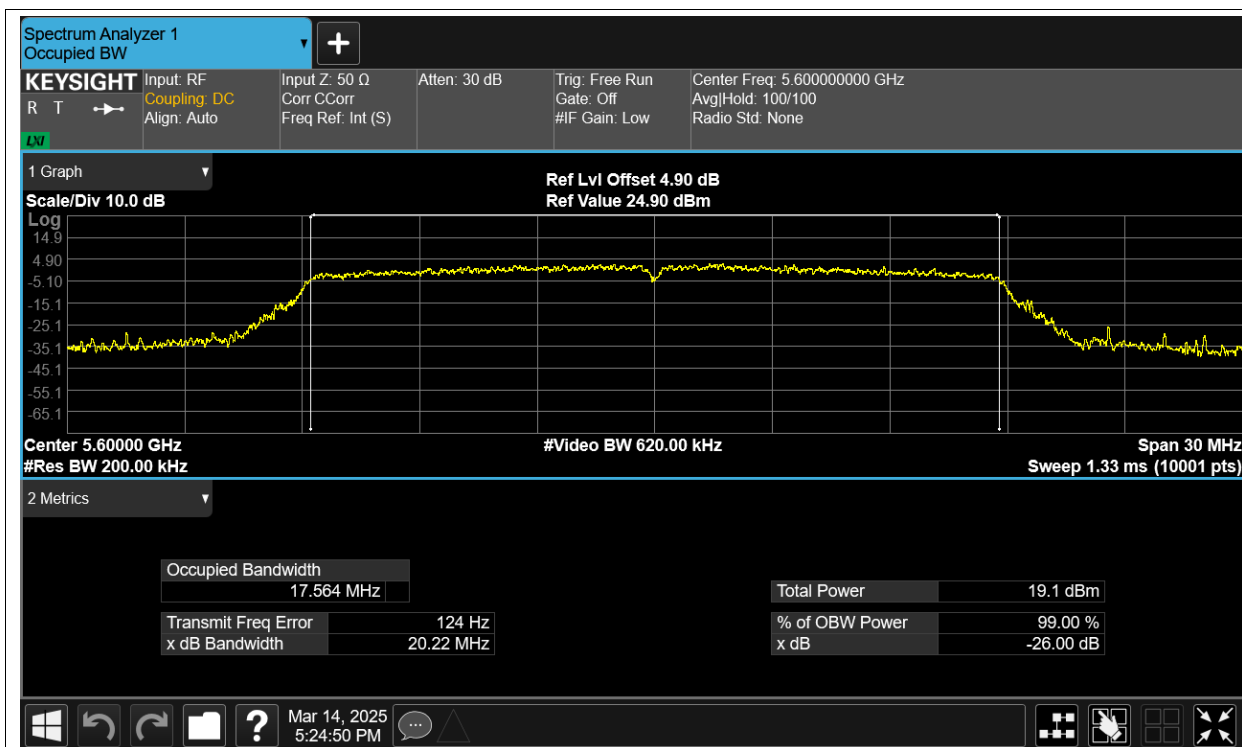
OBW NVNT ac80 5610MHz Ant3



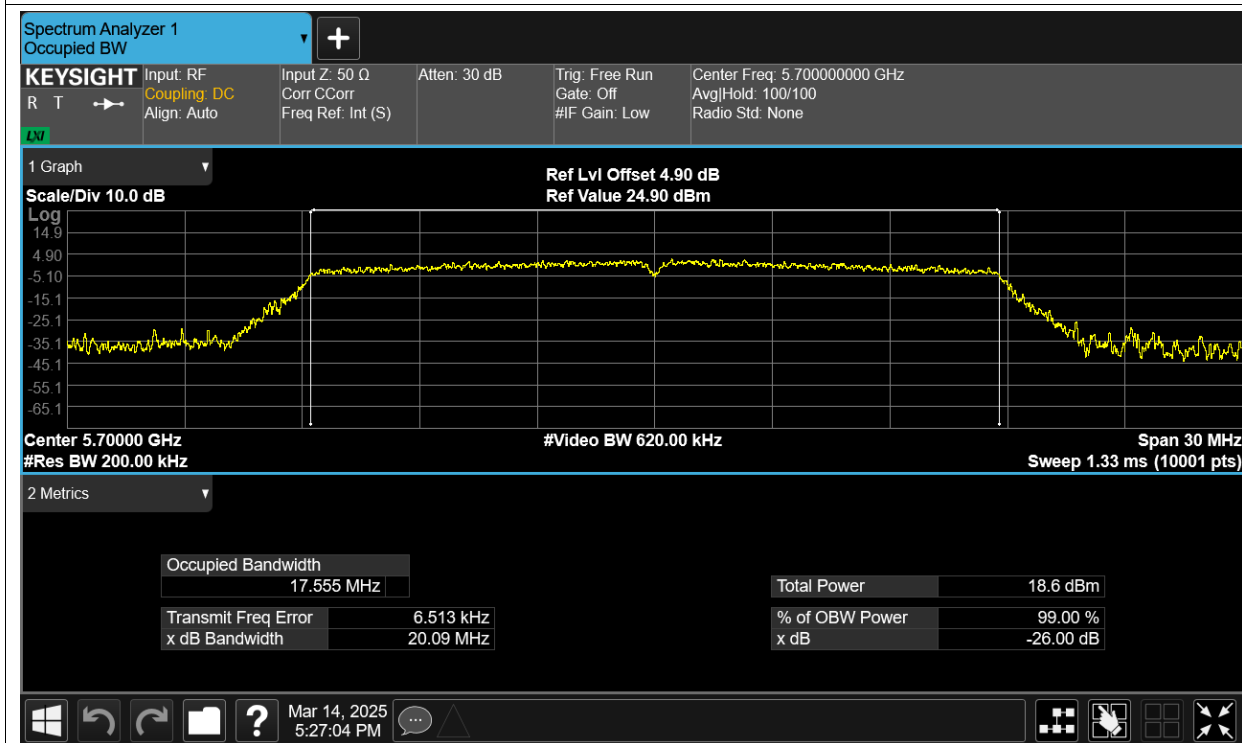
OBW NVNT n20 5500MHz Ant3



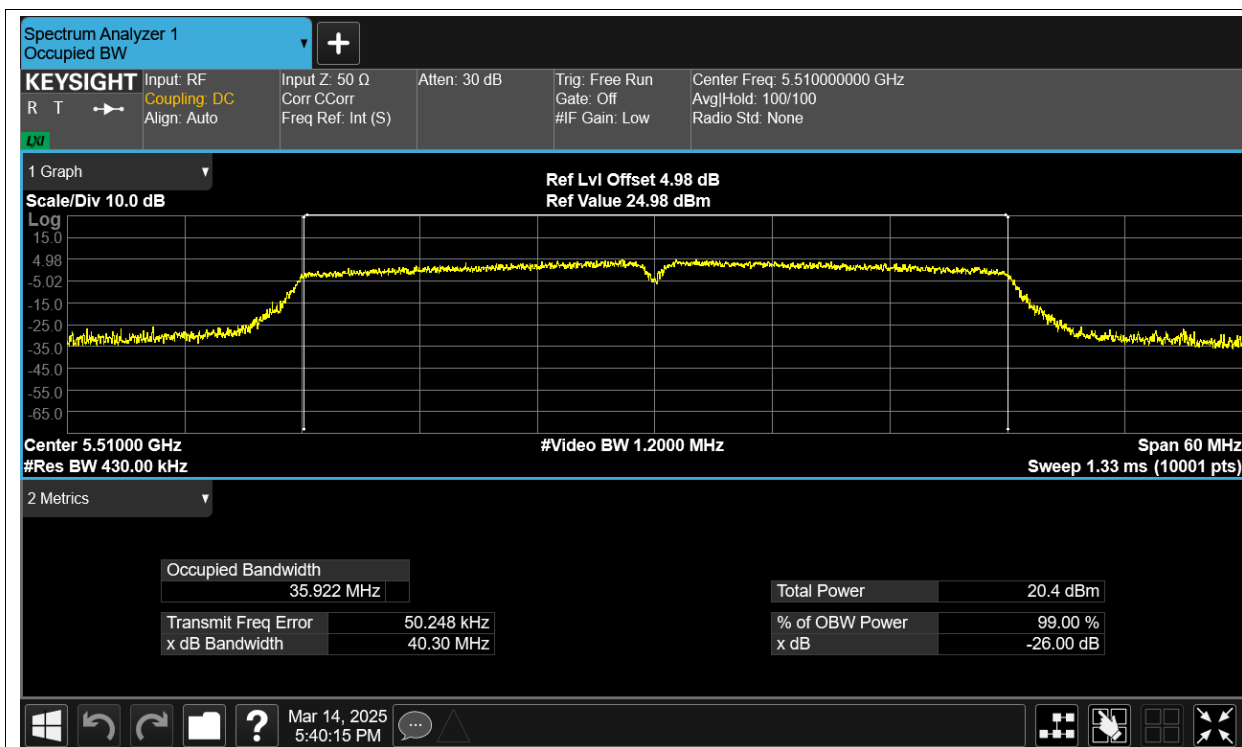
OBW NVNT n20 5600MHz Ant3



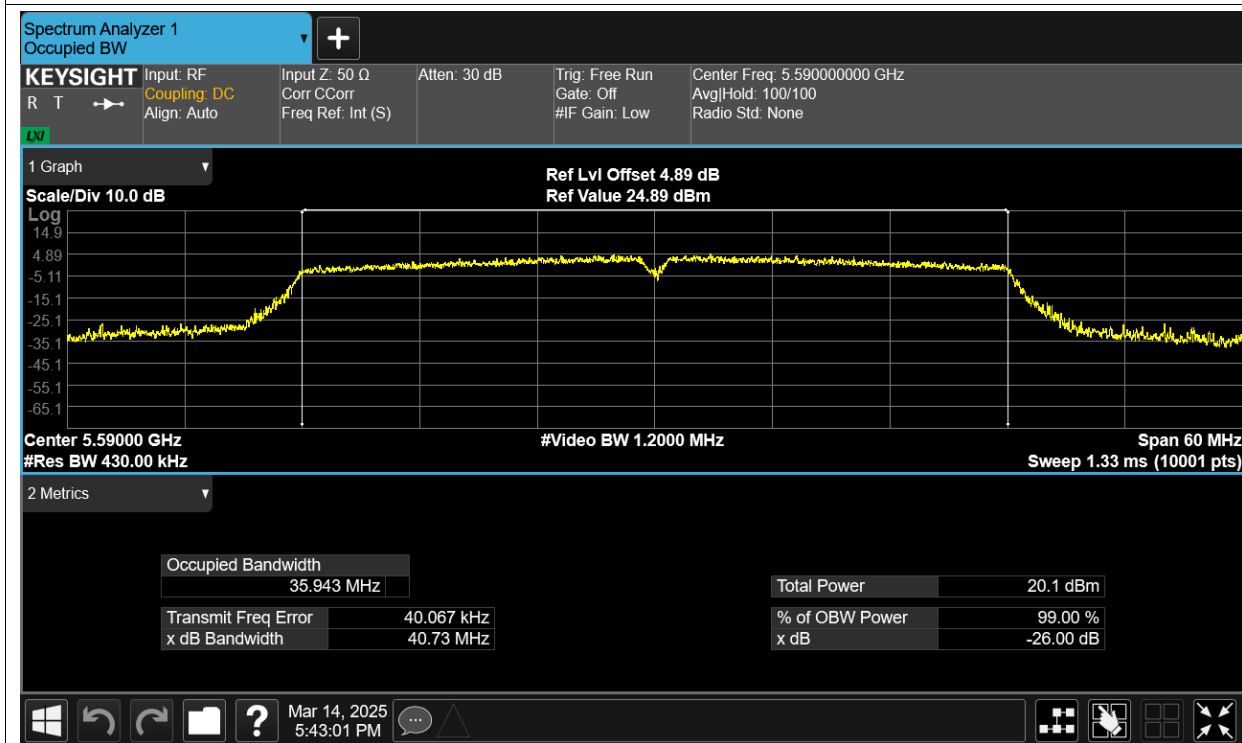
OBW NVNT n20 5700MHz Ant3



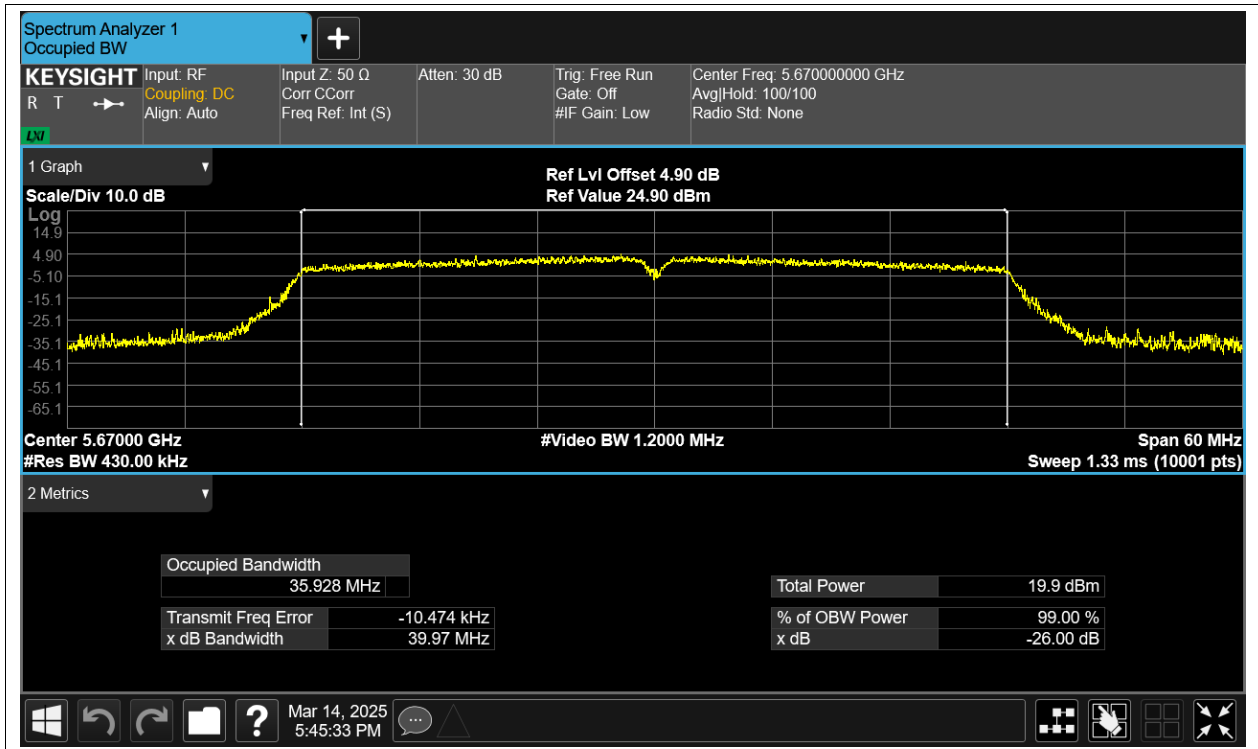
OBW NVNT n40 5510MHz Ant3



OBW NVNT n40 5590MHz Ant3



OBW NVNT n40 5670MHz Ant3

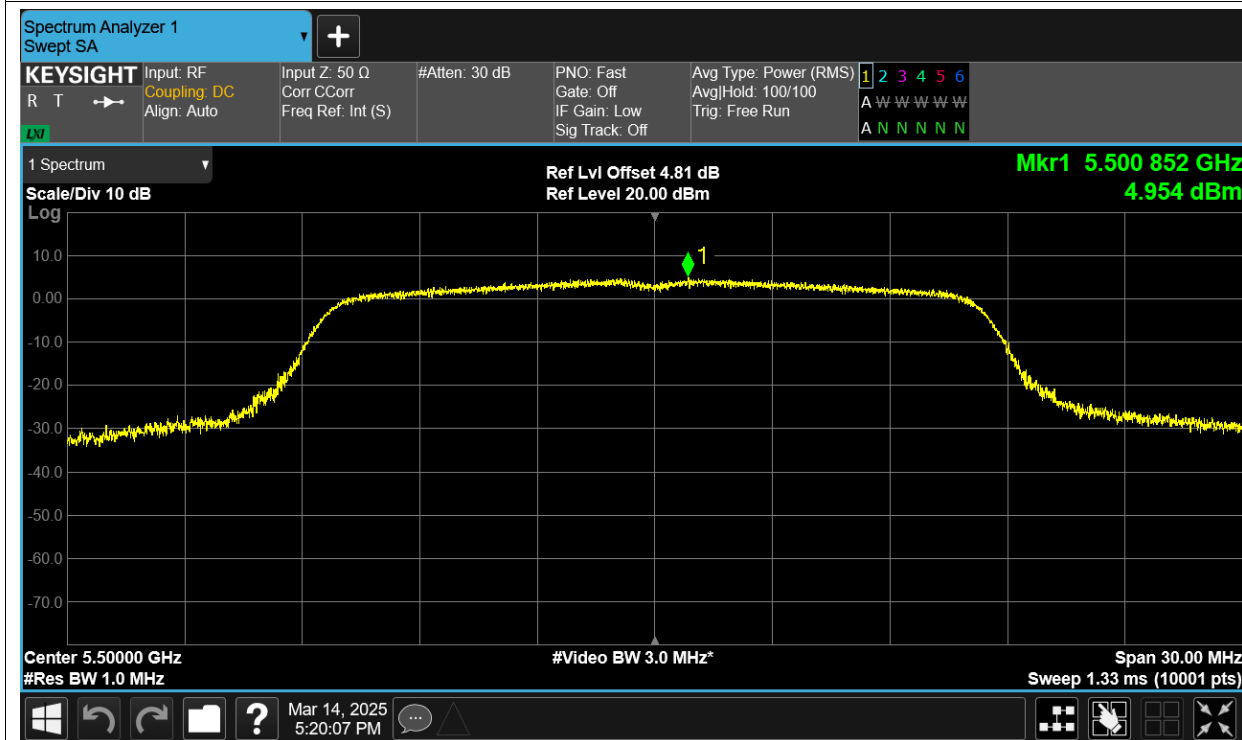


Maximum Power Spectral Density Level

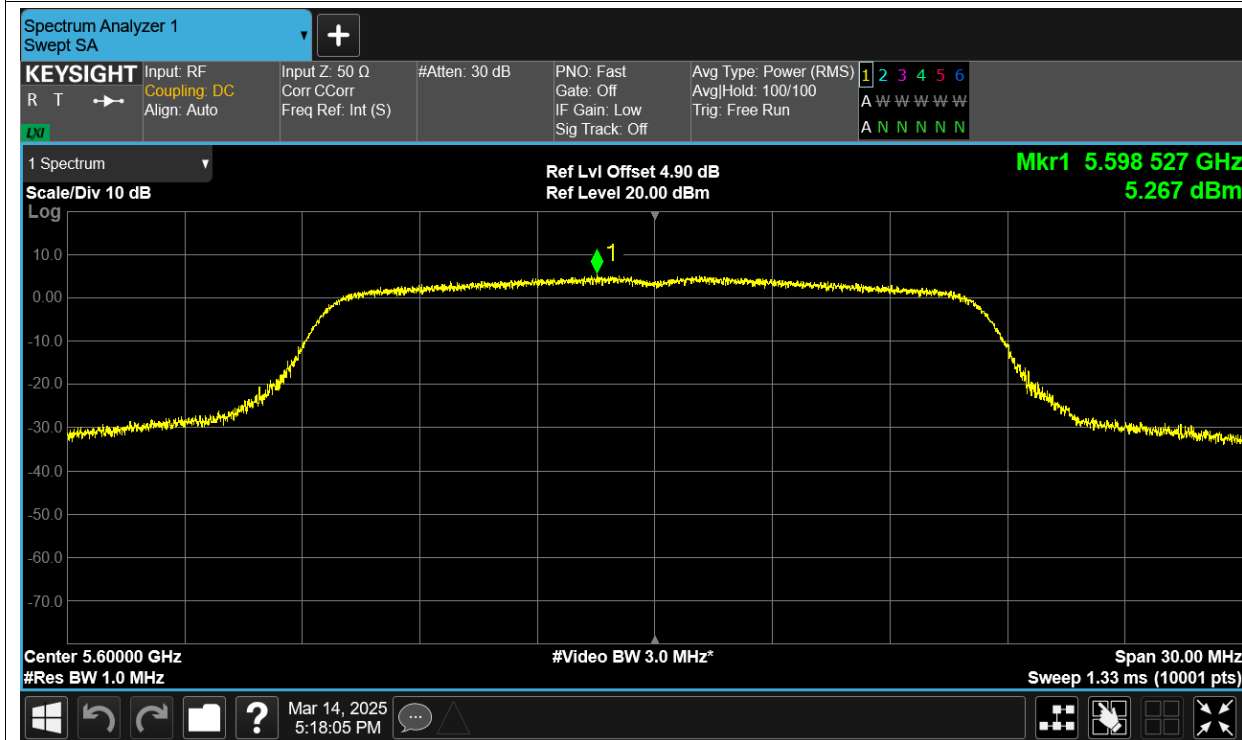
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant3	4.954	11	Pass
NVNT	a	5600	Ant3	5.267	11	Pass
NVNT	a	5700	Ant3	4.892	11	Pass
NVNT	ac20	5500	Ant3	3.553	11	Pass
NVNT	ac20	5600	Ant3	3.521	11	Pass
NVNT	ac20	5700	Ant3	2.944	11	Pass
NVNT	ac40	5510	Ant3	1.625	11	Pass
NVNT	ac40	5590	Ant3	1.35	11	Pass
NVNT	ac40	5670	Ant3	1.206	11	Pass
NVNT	ac80	5530	Ant3	-1.843	11	Pass
NVNT	ac80	5610	Ant3	-2.045	11	Pass
NVNT	n20	5500	Ant3	3.785	11	Pass
NVNT	n20	5600	Ant3	3.698	11	Pass
NVNT	n20	5700	Ant3	3.505	11	Pass
NVNT	n40	5510	Ant3	2.197	11	Pass
NVNT	n40	5590	Ant3	2.195	11	Pass
NVNT	n40	5670	Ant3	1.85	11	Pass

Test Graphs

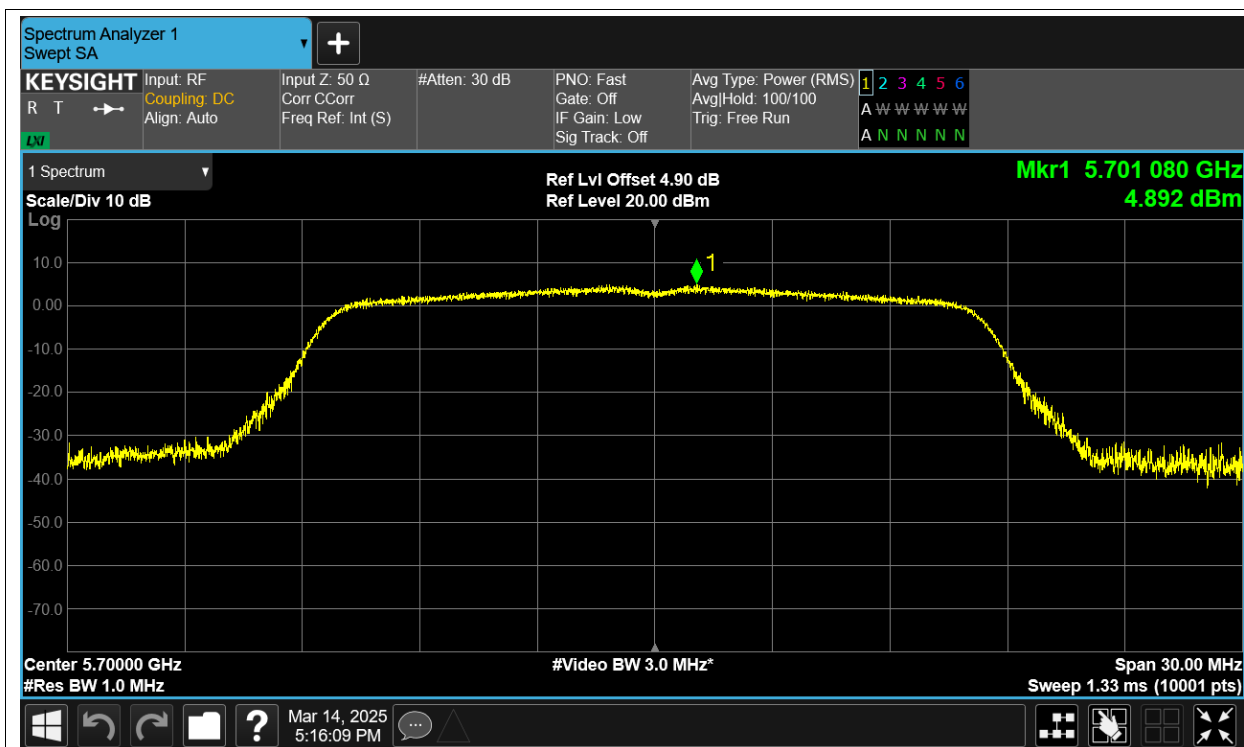
PSD NVNT a 5500MHz Ant3



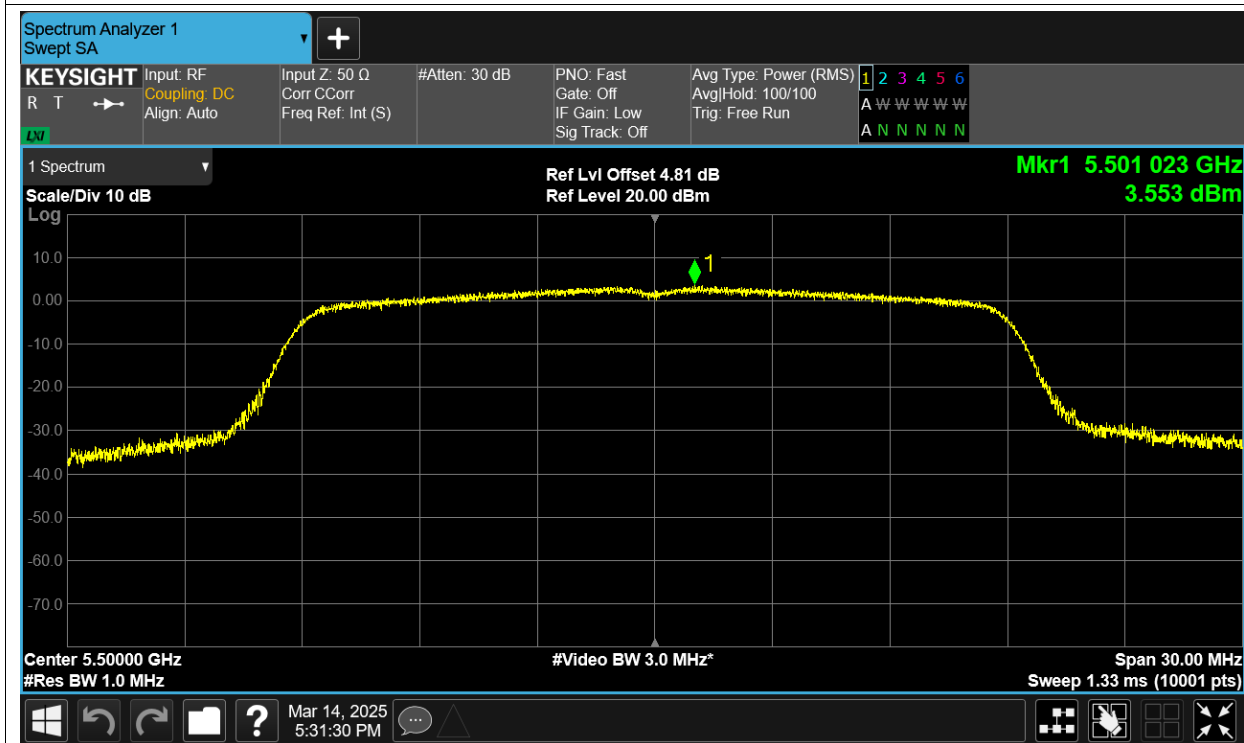
PSD NVNT a 5600MHz Ant3



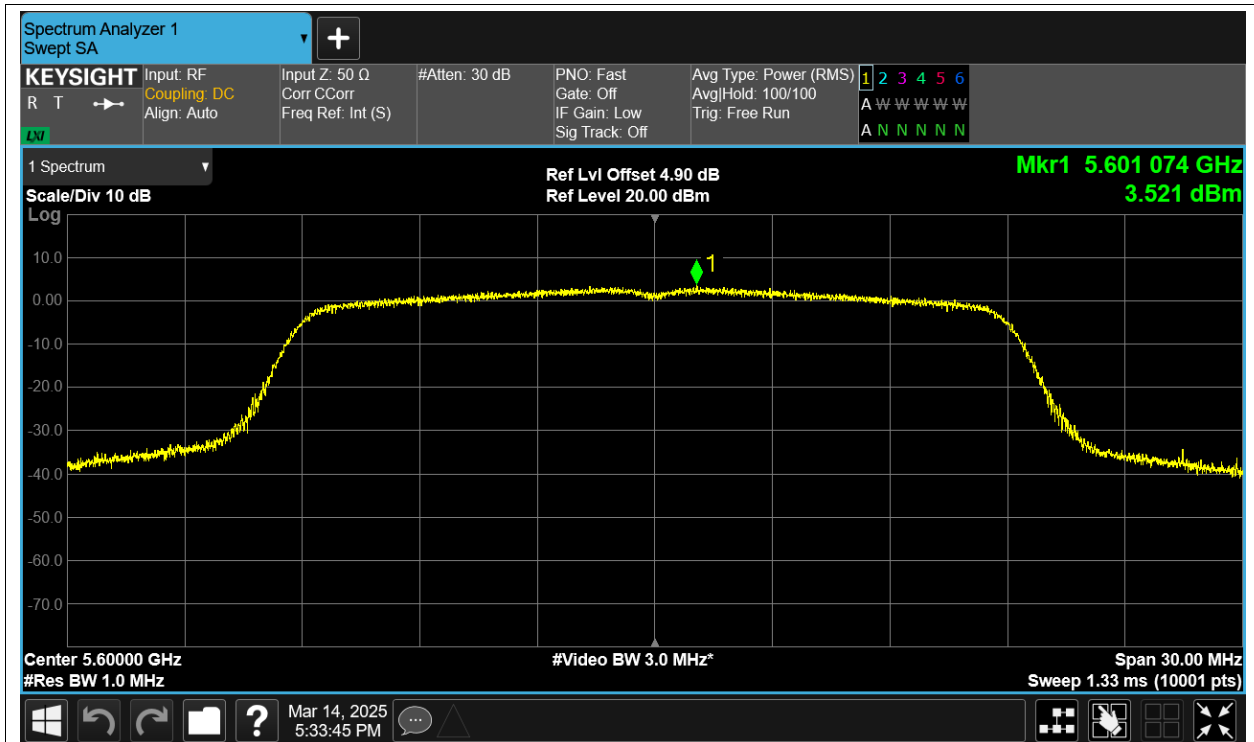
PSD NVNT a 5700MHz Ant3



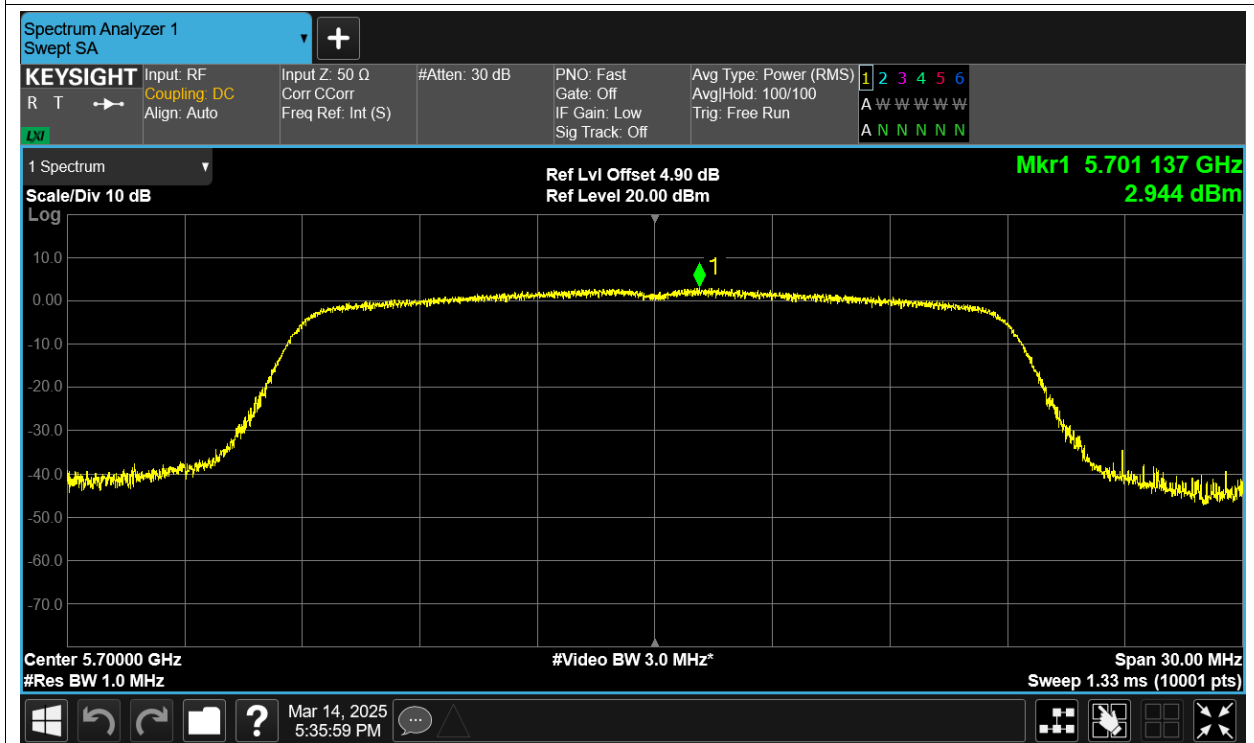
PSD NVNT ac20 5500MHz Ant3



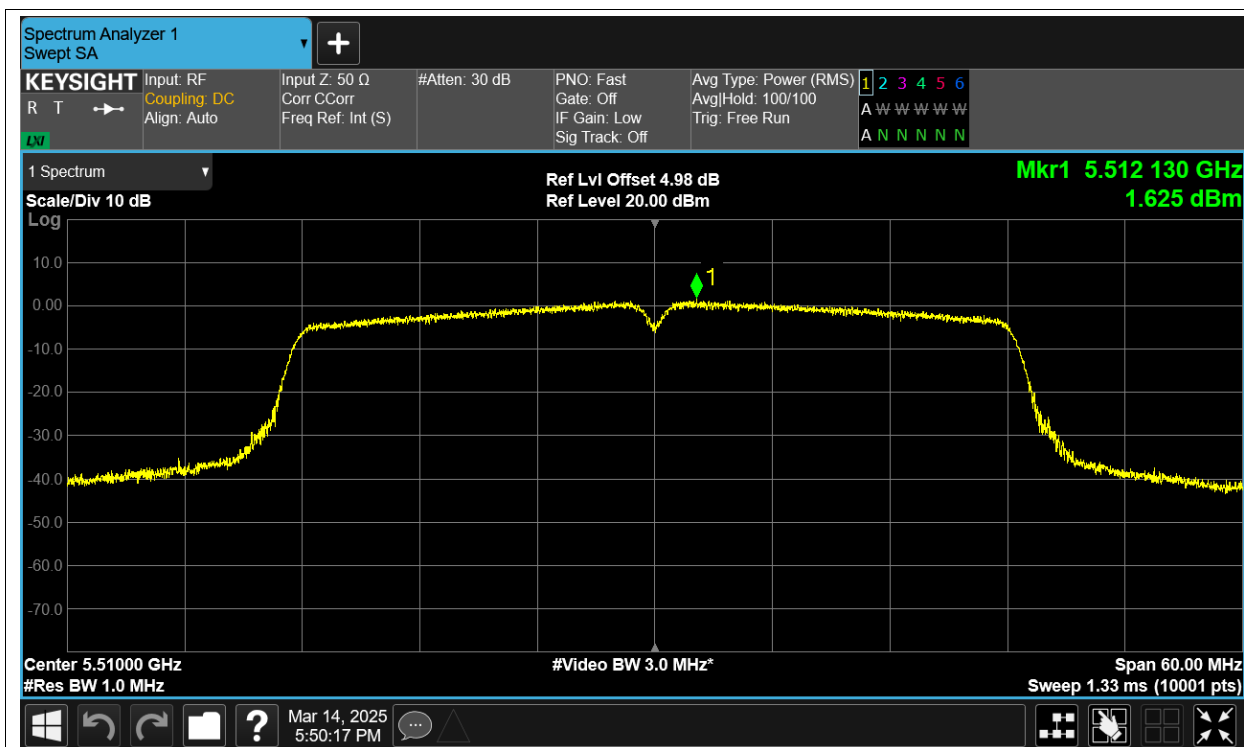
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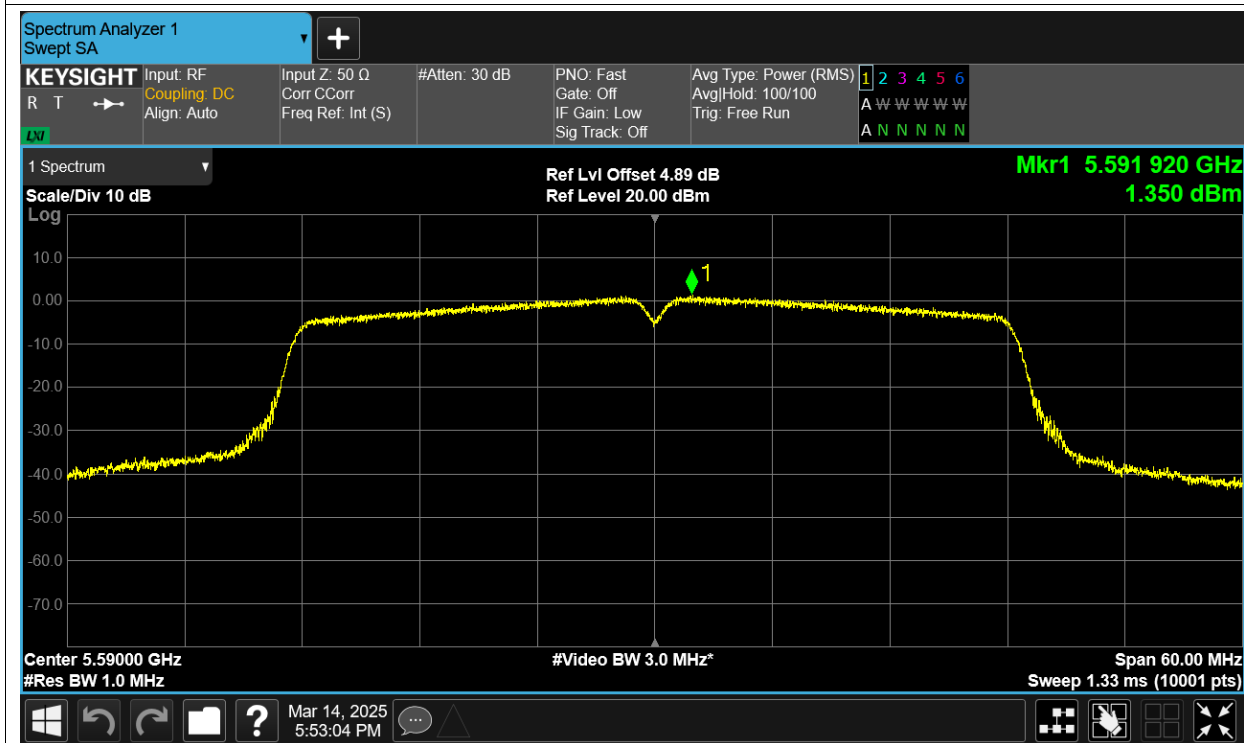
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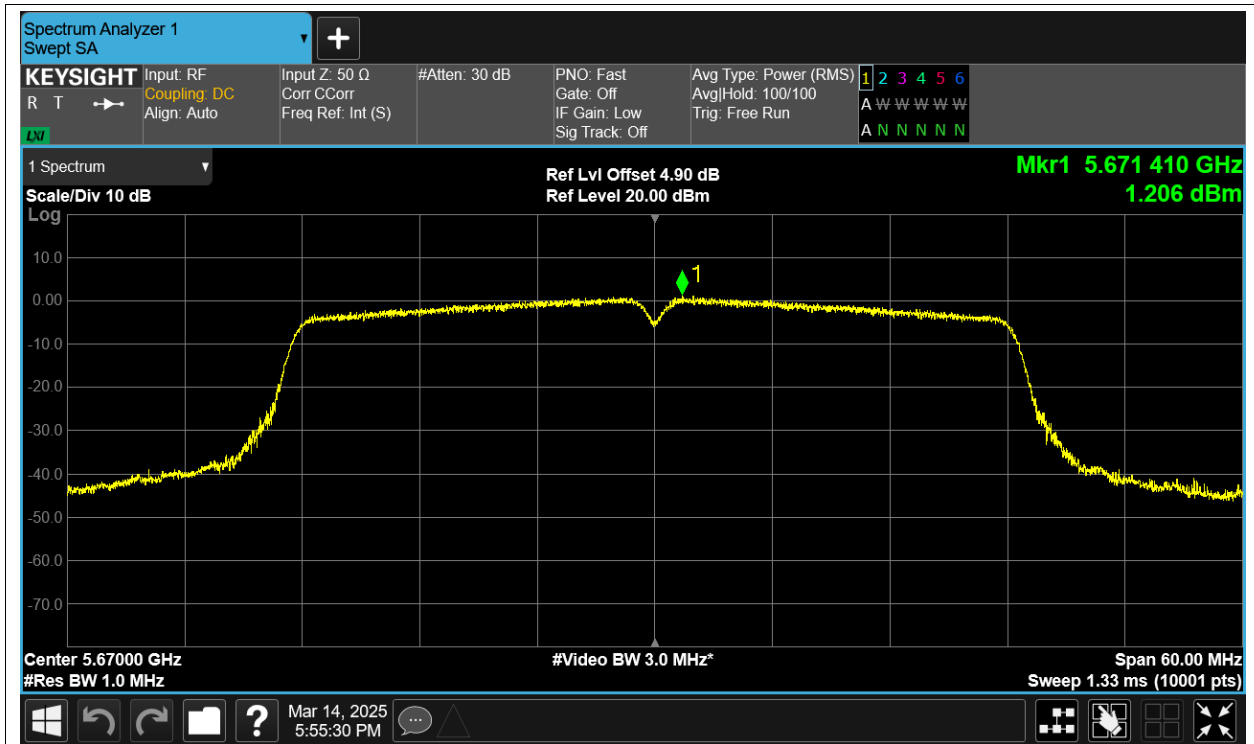
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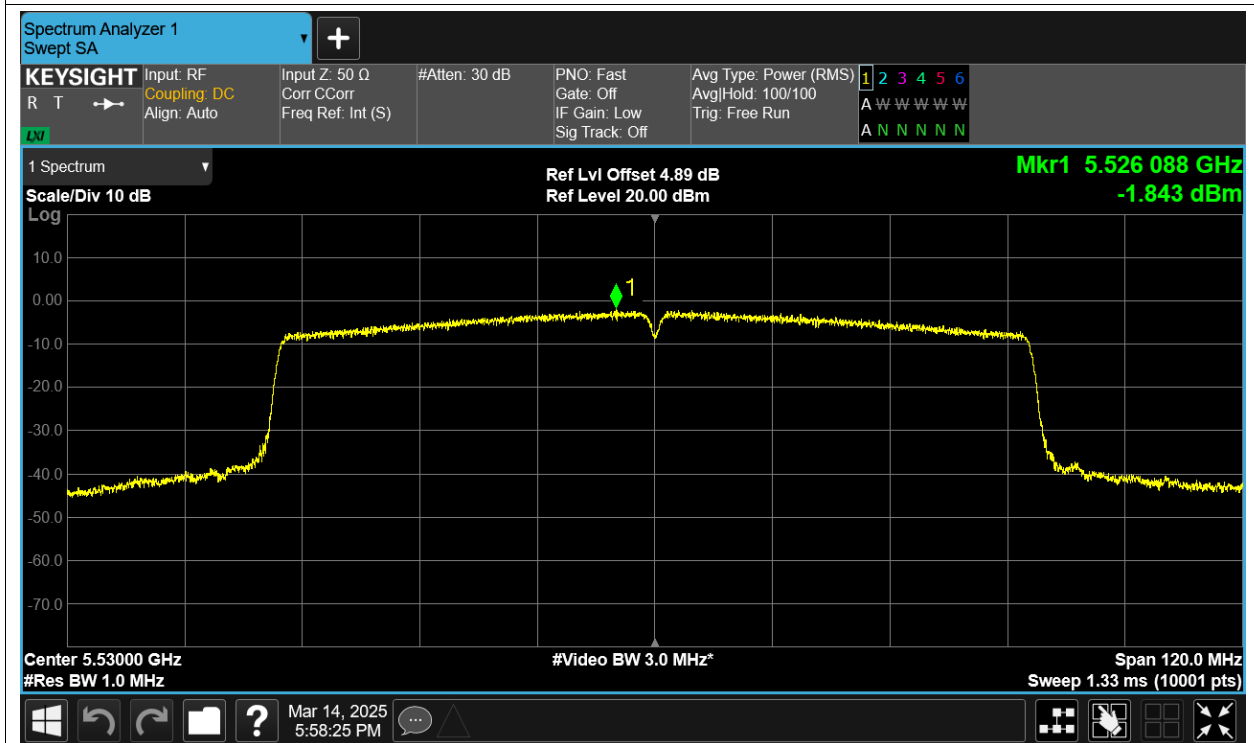
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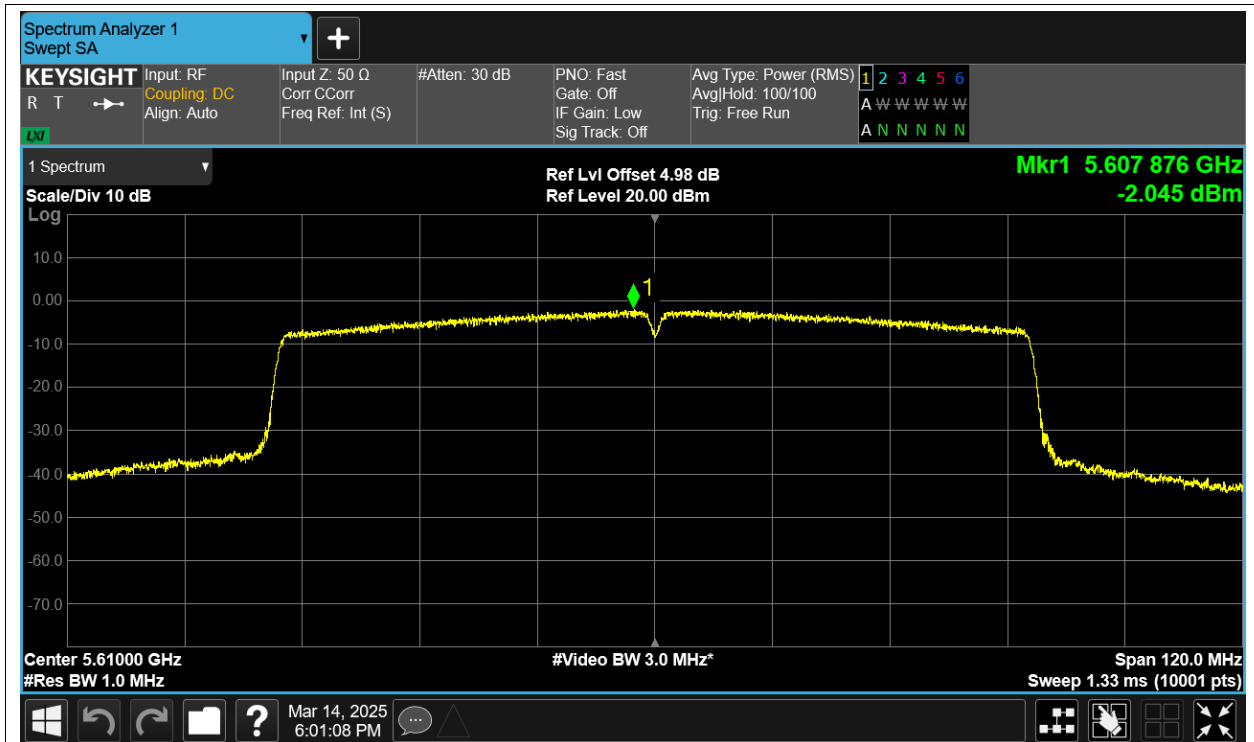
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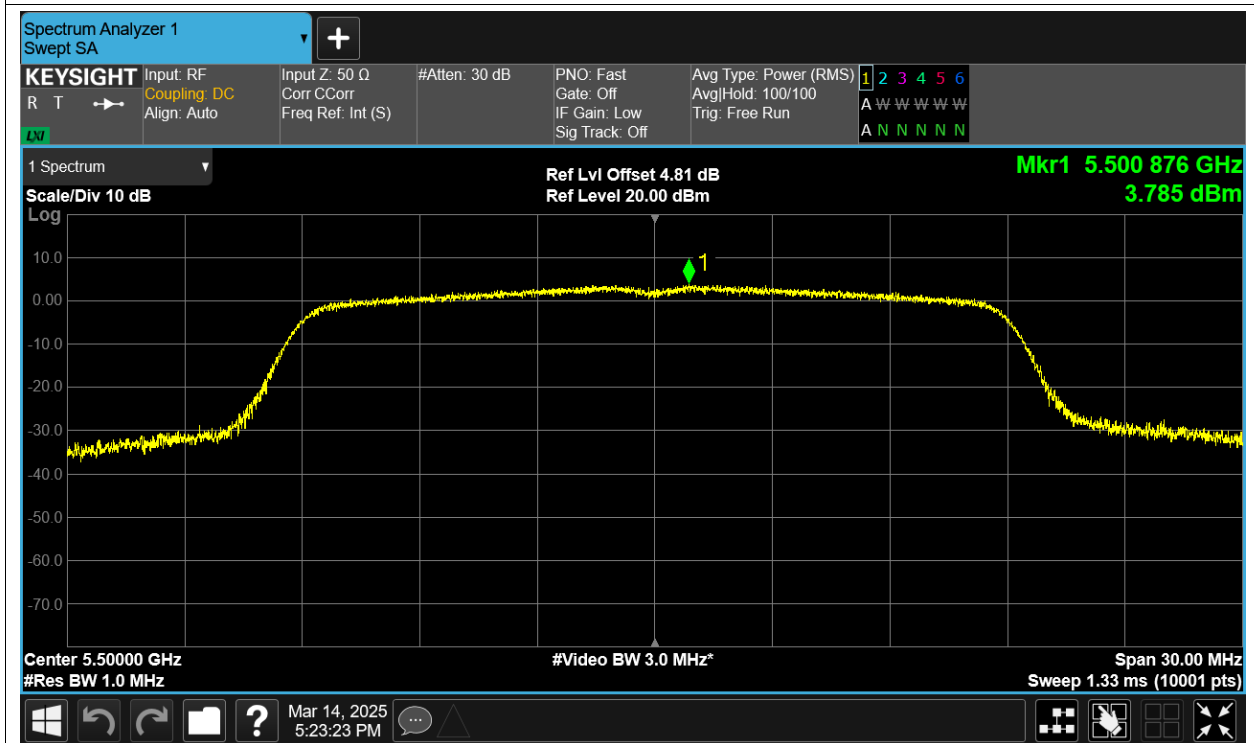
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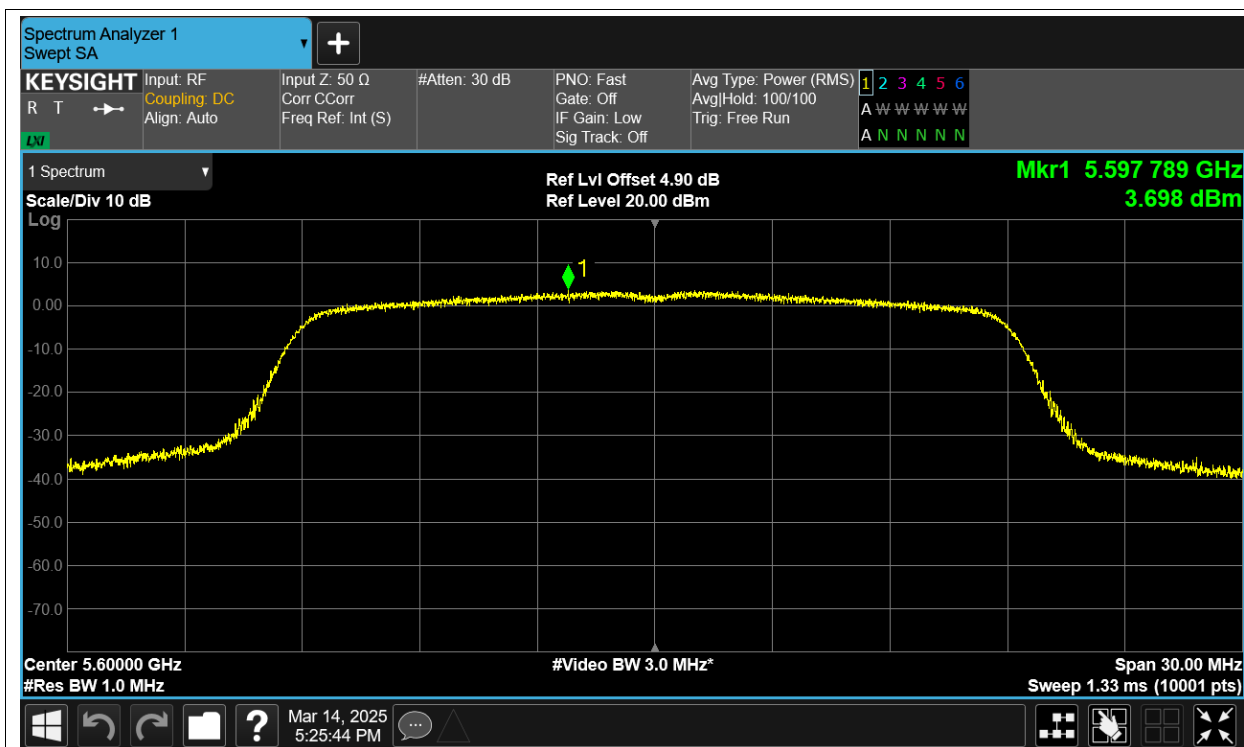
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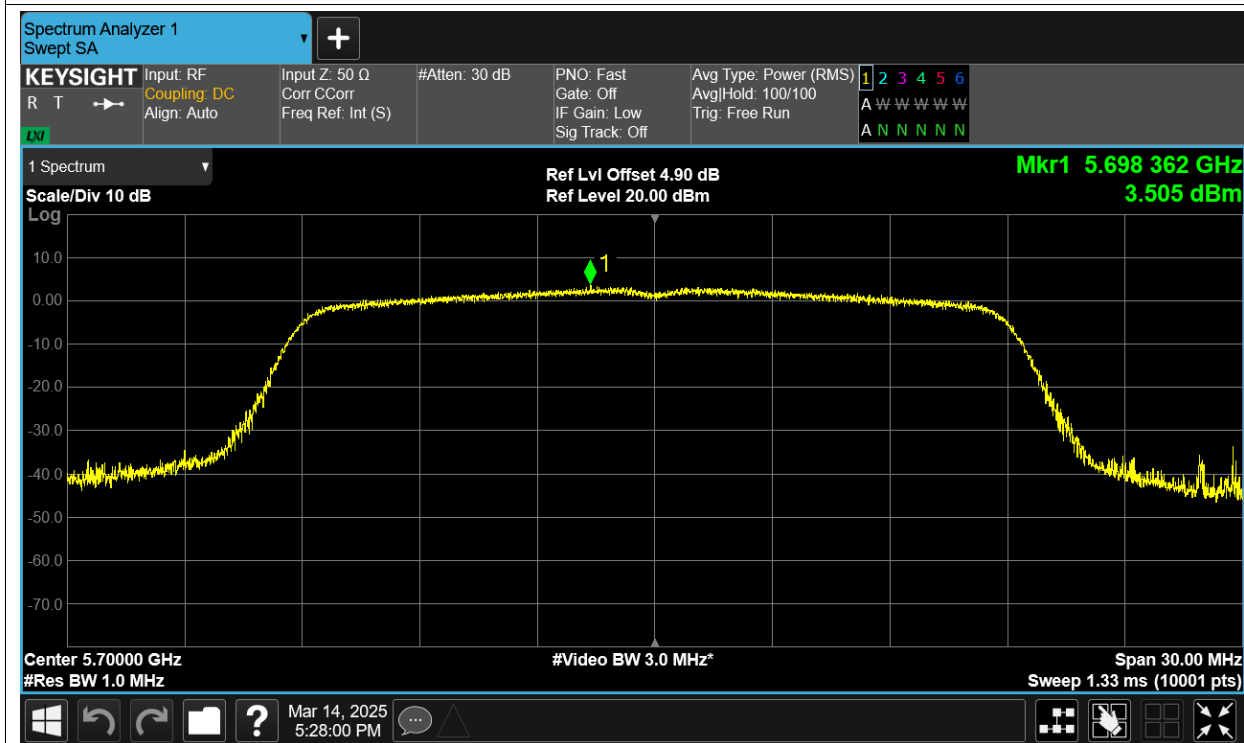
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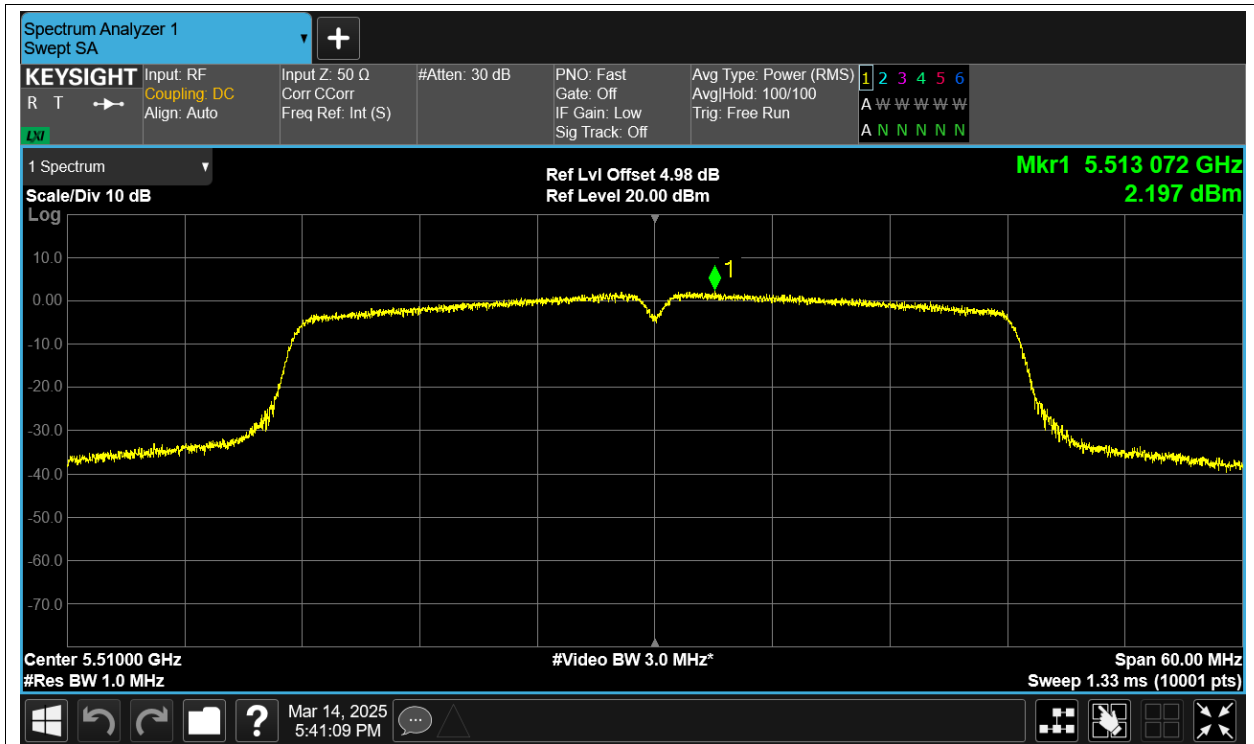
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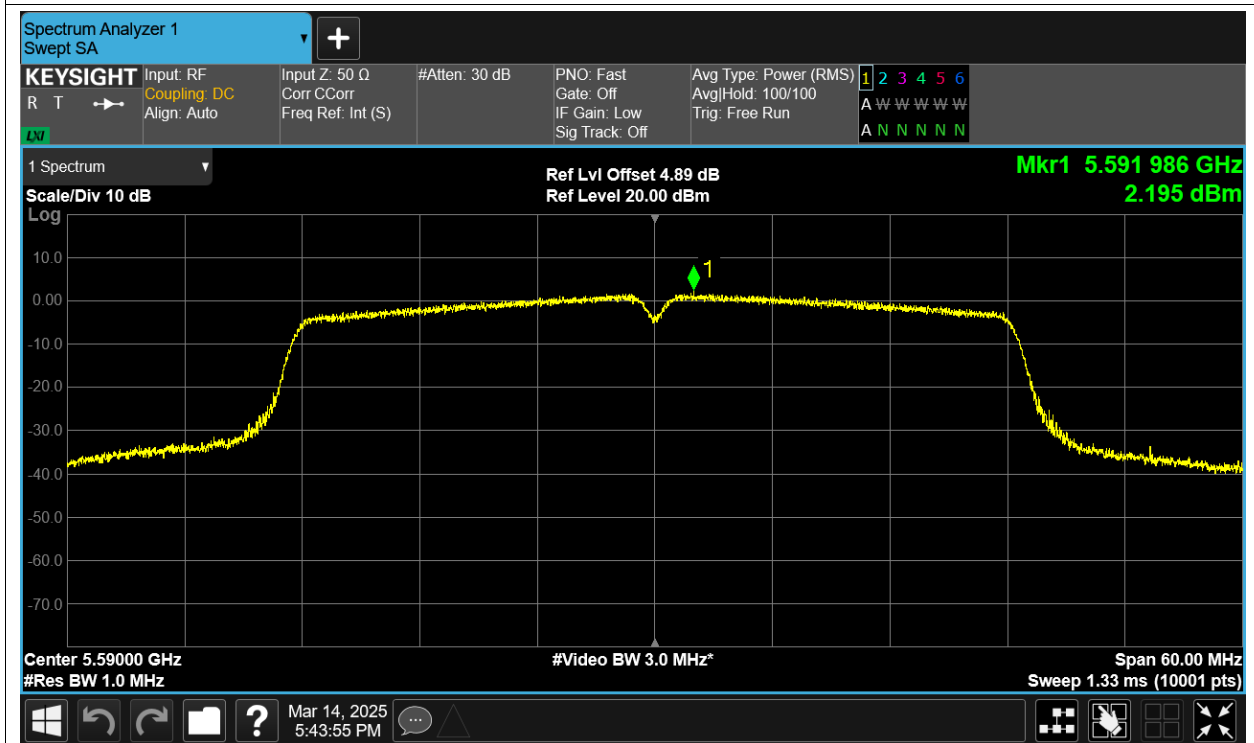
PSD NVNT n20 5700MHz Ant3



PSD NVNT n40 5510MHz Ant3



PSD NVNT n40 5590MHz Ant3



PSD NVNT n40 5670MHz Ant3

