



Test Data

Frequency Stability

Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	5500	Ant1	5499.997	-0.55	Within authorized band	Pass
HVNT	5600	Ant1	5599.9975	-0.45		Pass
HVNT	5700	Ant1	5699.998	-0.35		Pass
LVNT	5500	Ant1	5499.9975	-0.45		Pass
LVNT	5600	Ant1	5599.998	-0.36		Pass
LVNT	5700	Ant1	5699.998	-0.35		Pass
NVHT	5500	Ant1	5499.9975	-0.45		Pass
NVHT	5600	Ant1	5599.998	-0.36		Pass
NVHT	5700	Ant1	5699.998	-0.35		Pass
NVLT	5500	Ant1	5499.9975	-0.45		Pass
NVLT	5600	Ant1	5599.998	-0.36		Pass
NVLT	5700	Ant1	5699.998	-0.35		Pass
NVNT	5500	Ant1	5499.9975	-0.45		Pass
NVNT	5600	Ant1	5599.9985	-0.27		Pass
NVNT	5700	Ant1	5699.9985	-0.26		Pass
HVNT	5510	Ant1	5510	0		Pass
HVNT	5590	Ant1	5589.9985	-0.27		Pass
HVNT	5670	Ant1	5669.998	-0.35		Pass
LVNT	5510	Ant1	5510	0		Pass
LVNT	5590	Ant1	5589.9985	-0.27		Pass
LVNT	5670	Ant1	5669.998	-0.35		Pass
NVHT	5510	Ant1	5510	0		Pass
NVHT	5590	Ant1	5589.999	-0.18		Pass
NVHT	5670	Ant1	5669.998	-0.35		Pass
NVLT	5510	Ant1	5510	0		Pass
NVLT	5590	Ant1	5589.999	-0.18		Pass
NVLT	5670	Ant1	5669.998	-0.35		Pass
NVNT	5510	Ant1	5510.0005	0.09		Pass
NVNT	5590	Ant1	5589.9995	-0.09		Pass
NVNT	5670	Ant1	5669.9985	-0.26		Pass
HVNT	5530	Ant1	5529.999	-0.18		Pass
HVNT	5610	Ant1	5609.998	-0.36		Pass
LVNT	5530	Ant1	5529.999	-0.18		Pass
LVNT	5610	Ant1	5609.998	-0.36		Pass
NVHT	5610	Ant1	5609.9985	-0.27		Pass
NVLT	5530	Ant1	5529.999	-0.18		Pass
NVLT	5610	Ant1	5609.9985	-0.27		Pass

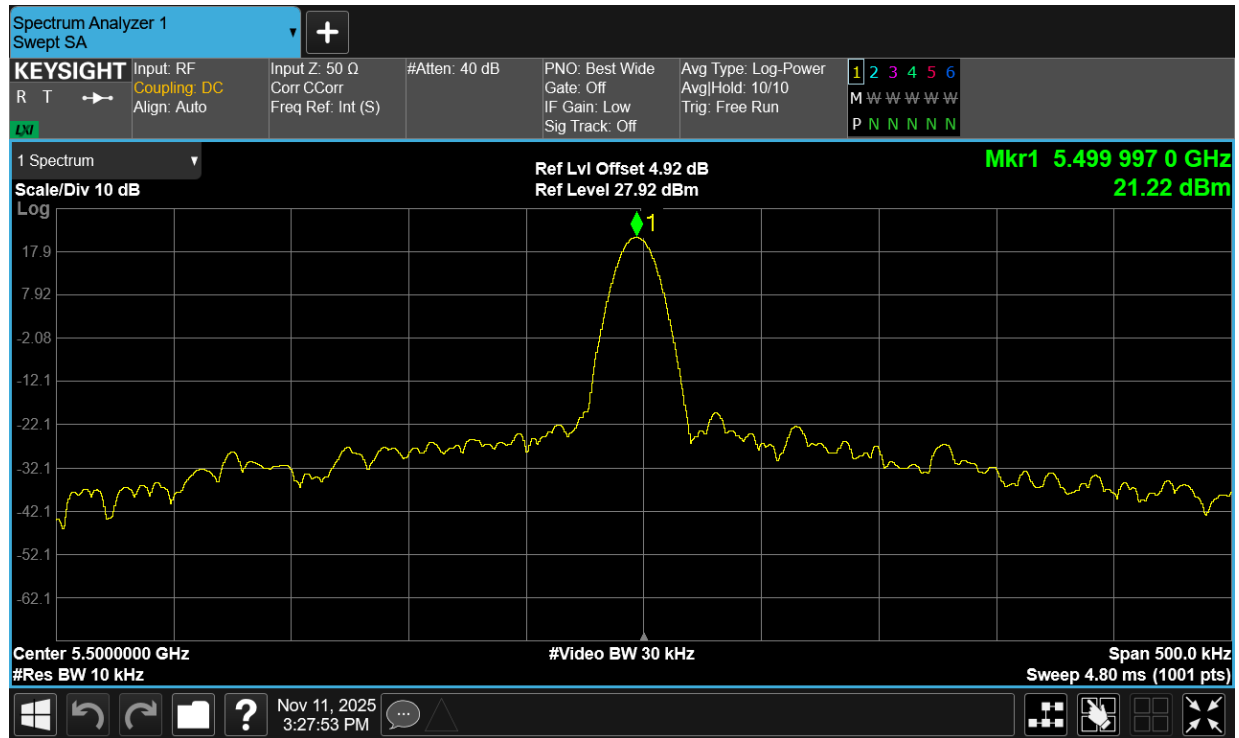


Report No.: AiTSZ-251127005FW5

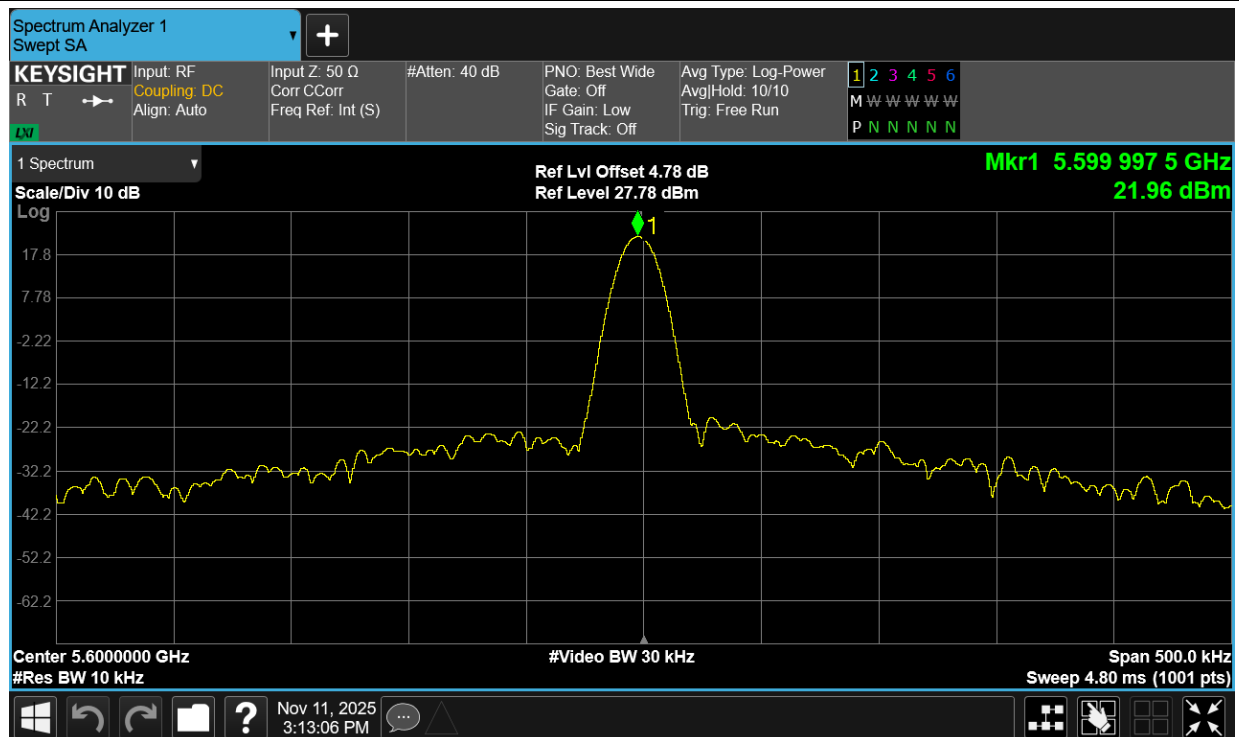
NVNT	5530	Ant1	5529.9995	-0.09		Pass
NVNT	5610	Ant1	5609.9985	-0.27		Pass
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVL" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.						

Test Graphs

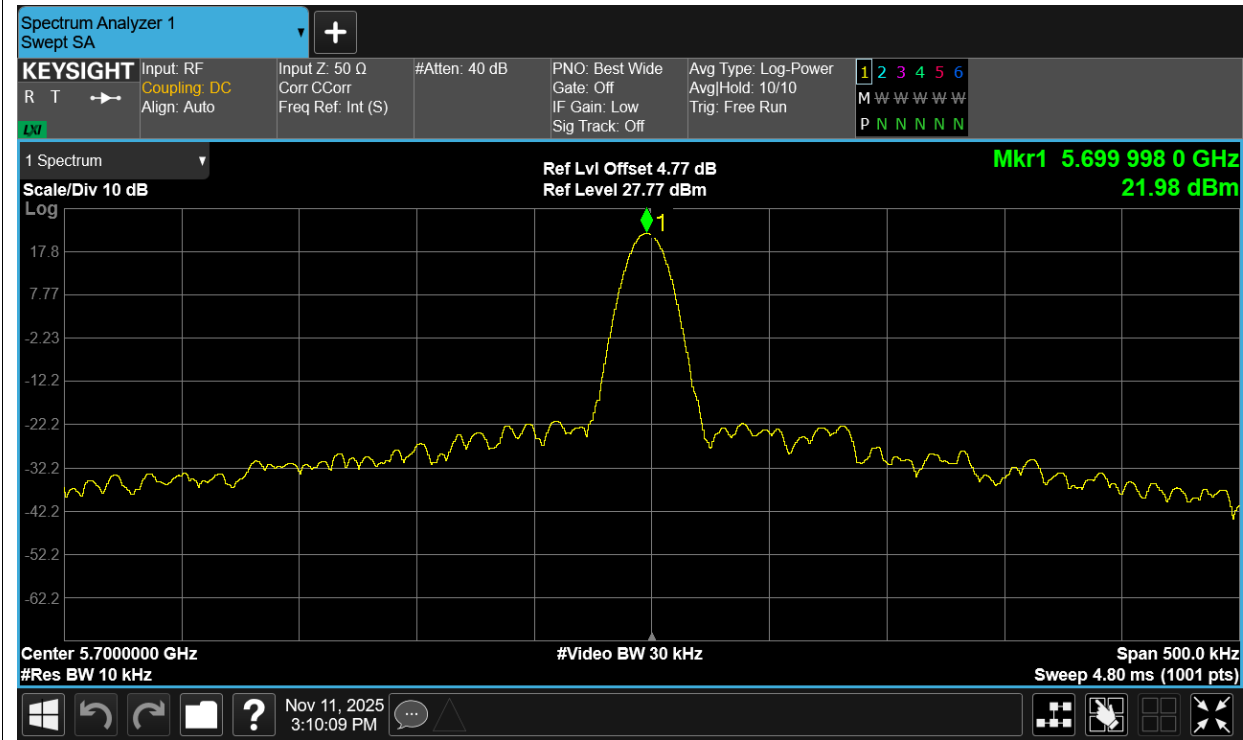
Freq. Stability HVNT 20M 5500MHz Ant1



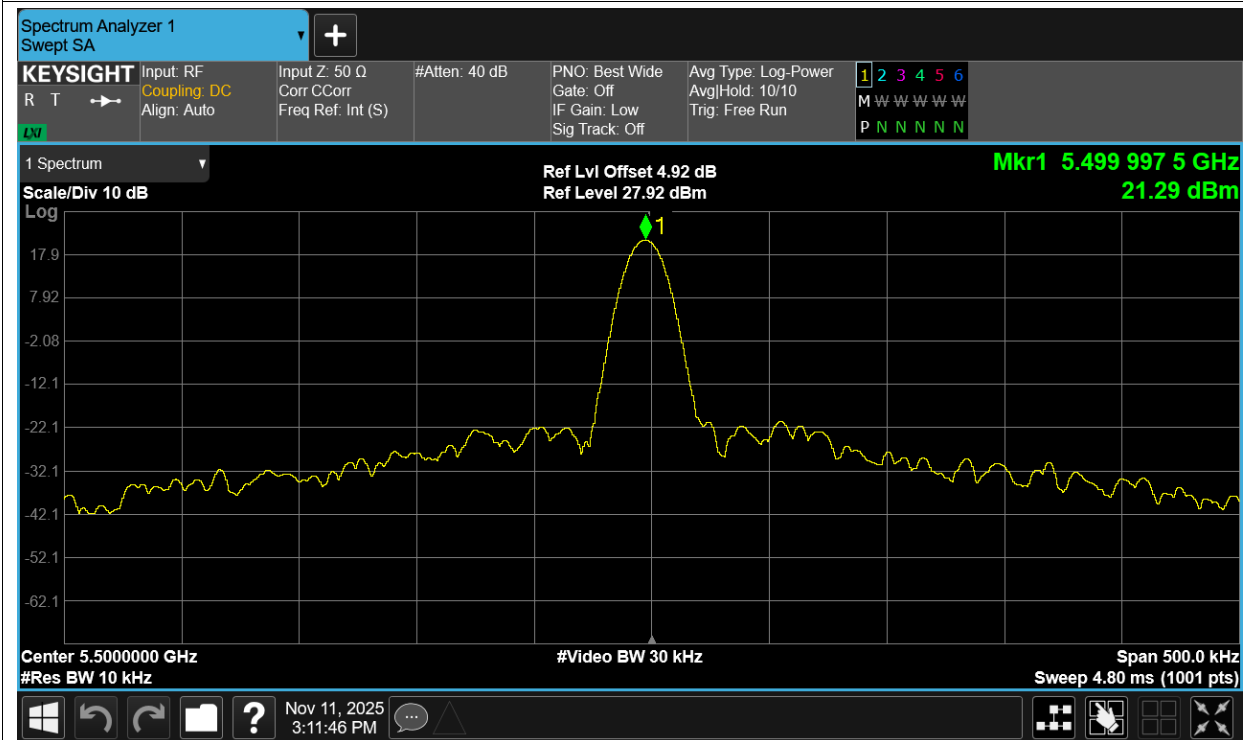
Freq. Stability HVNT 20M 5600MHz Ant1



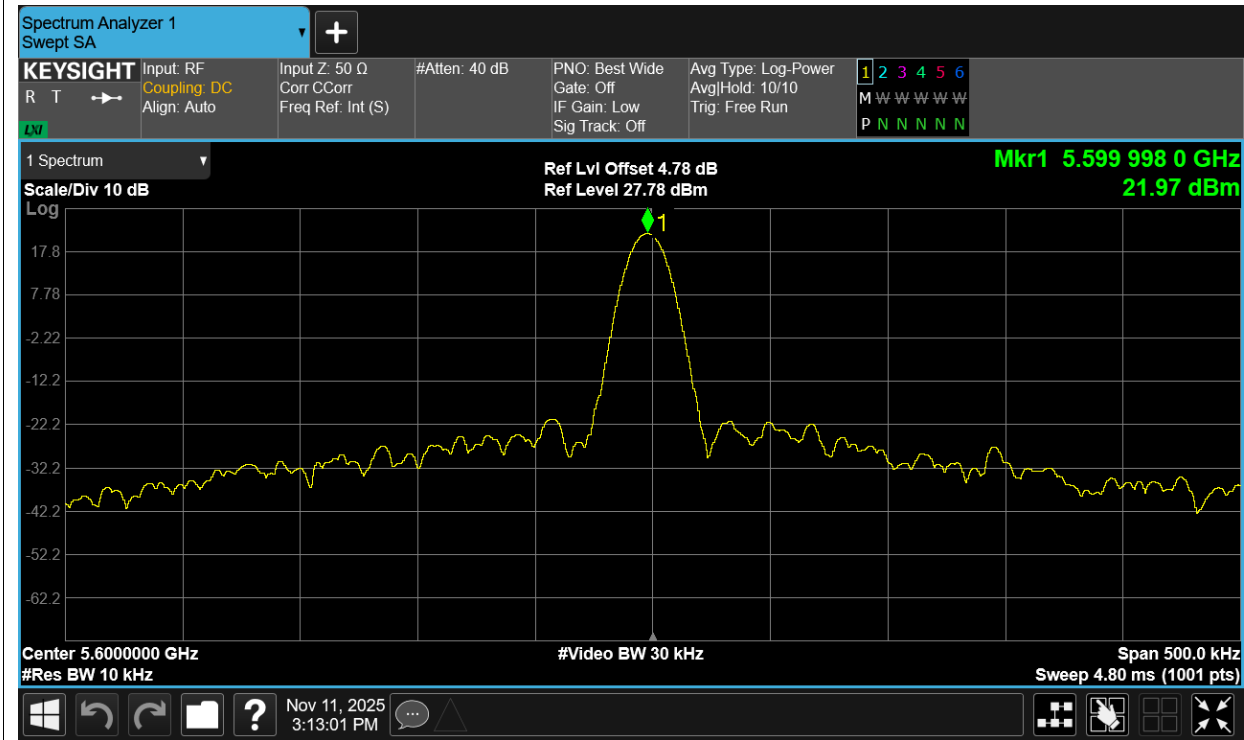
Freq. Stability HVNT 20M 5700MHz Ant1



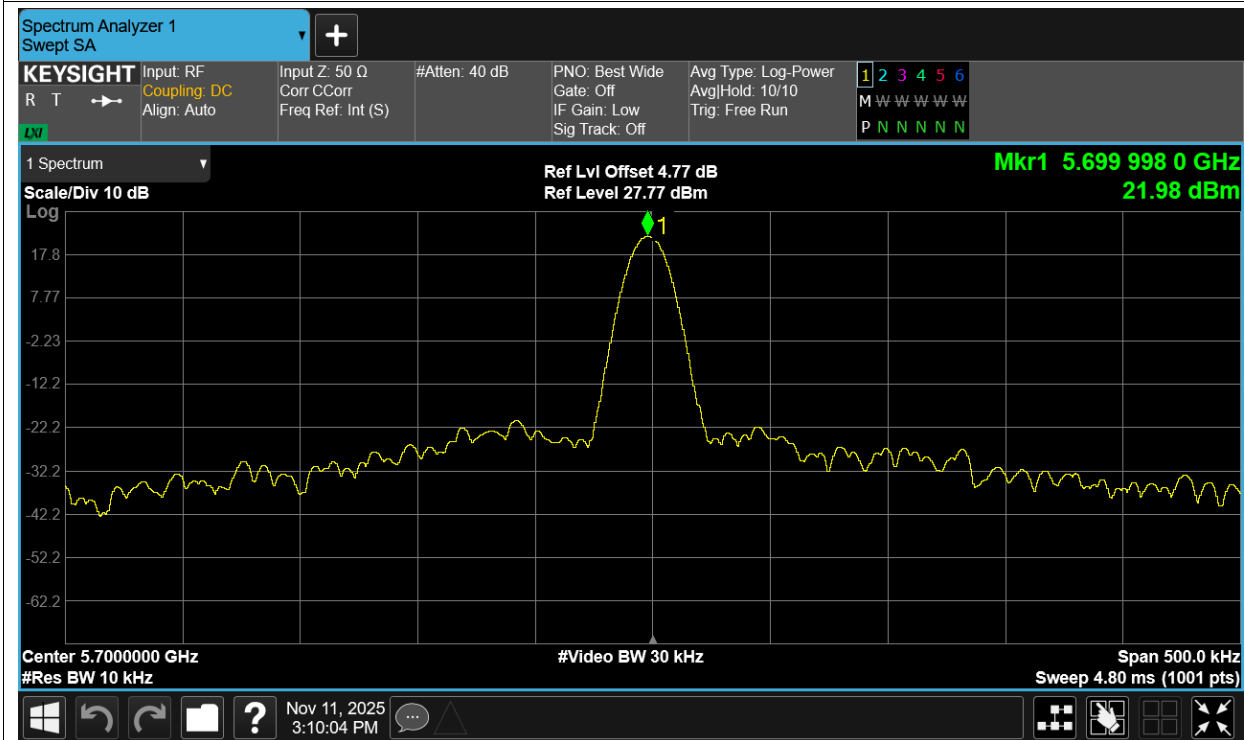
Freq. Stability LVNT 20M 5500MHz Ant1



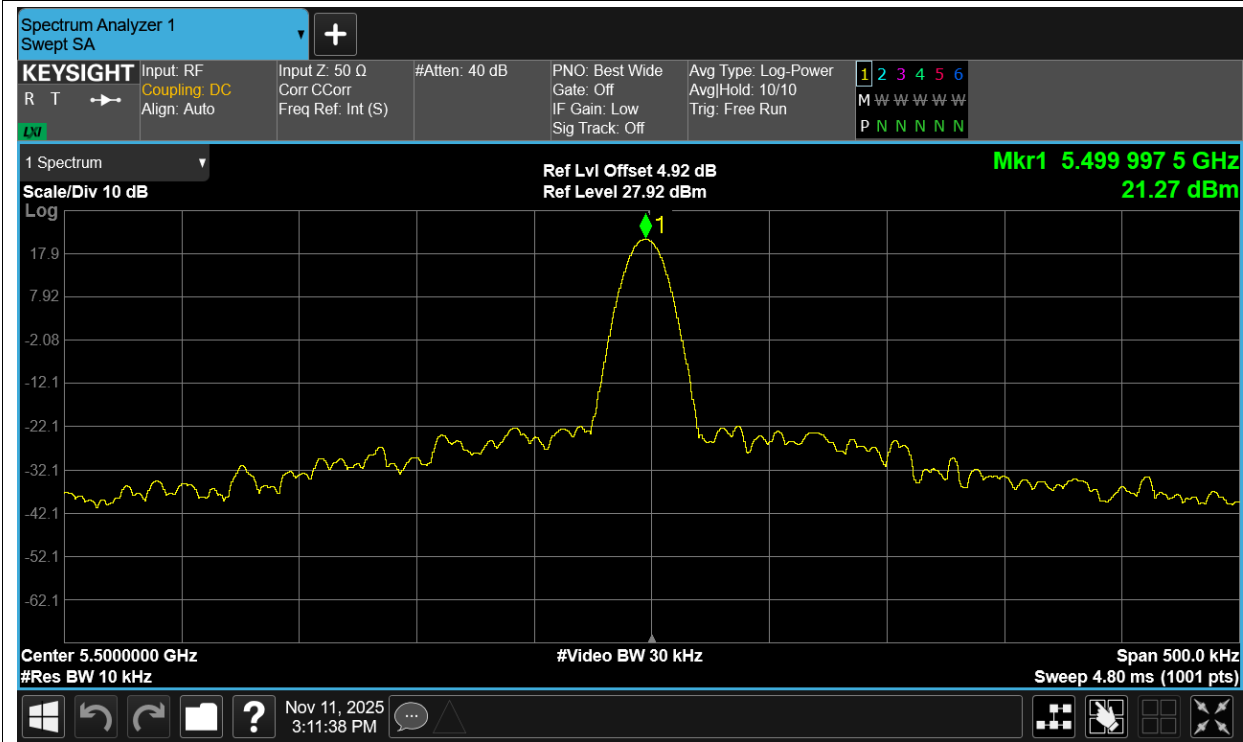
Freq. Stability LVNT 20M 5600MHz Ant1



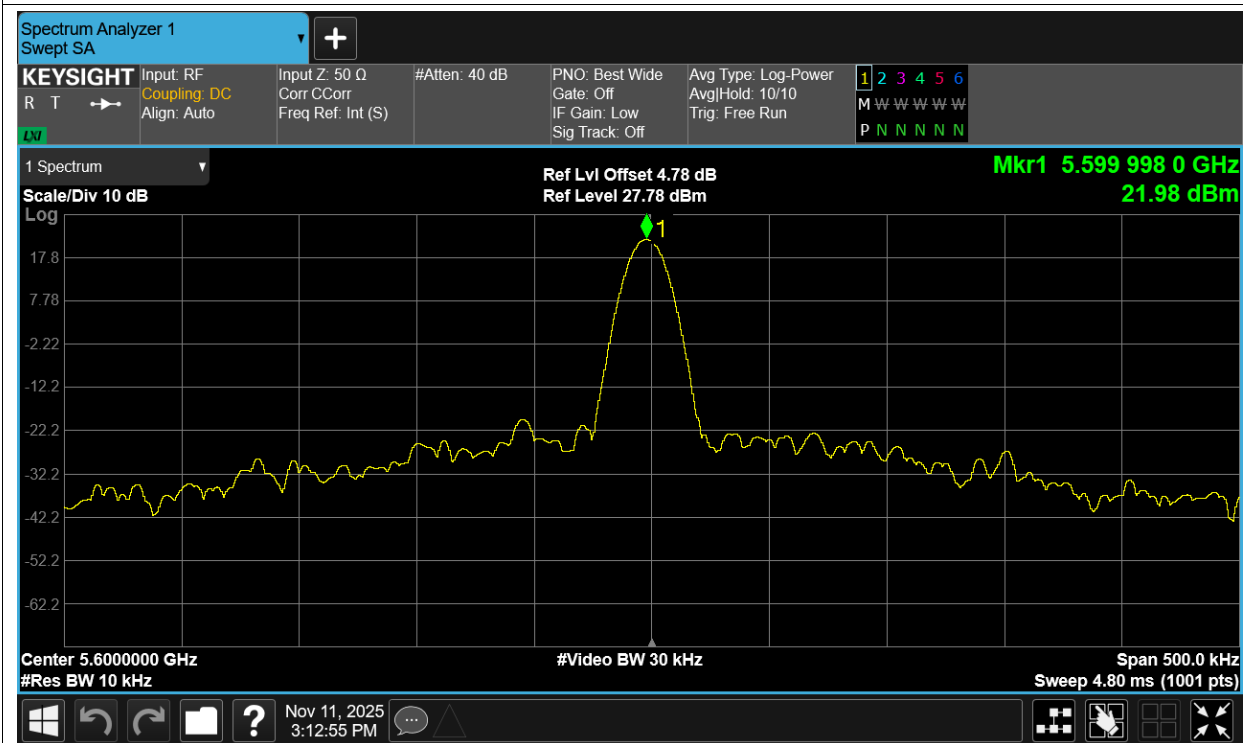
Freq. Stability LVNT 20M 5700MHz Ant1



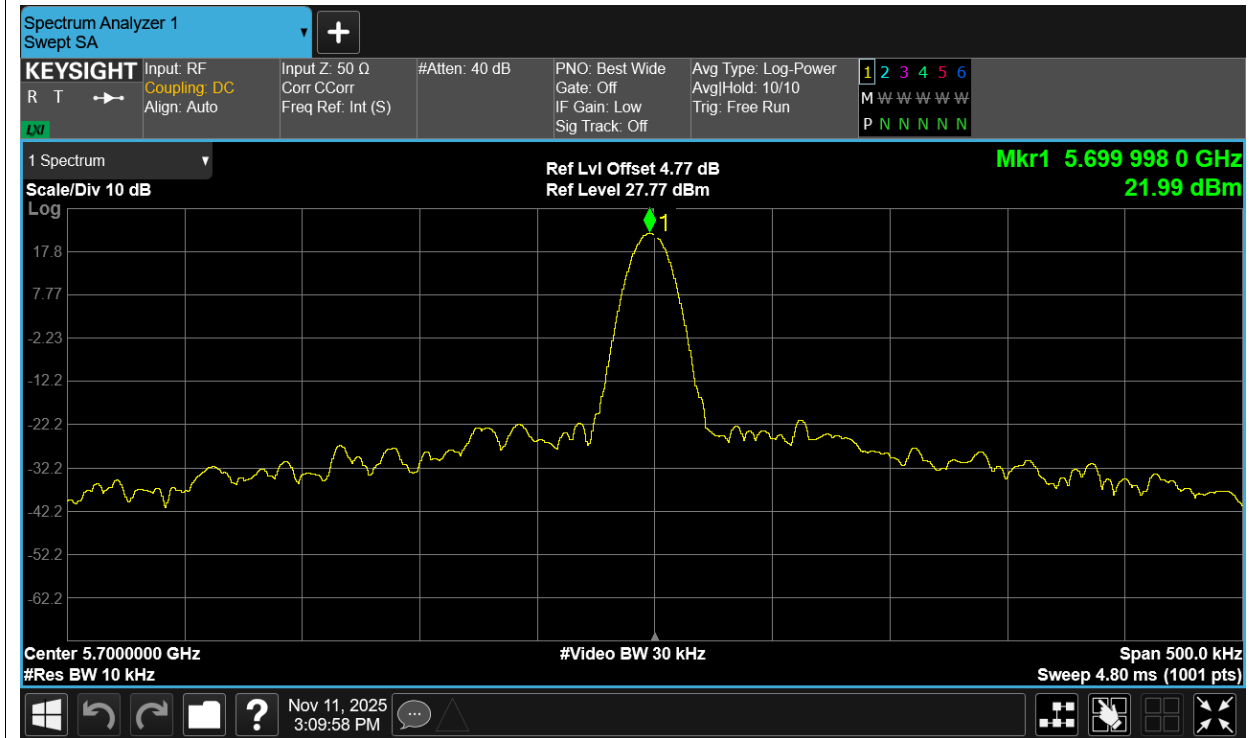
Freq. Stability NVHT 20M 5500MHz Ant1



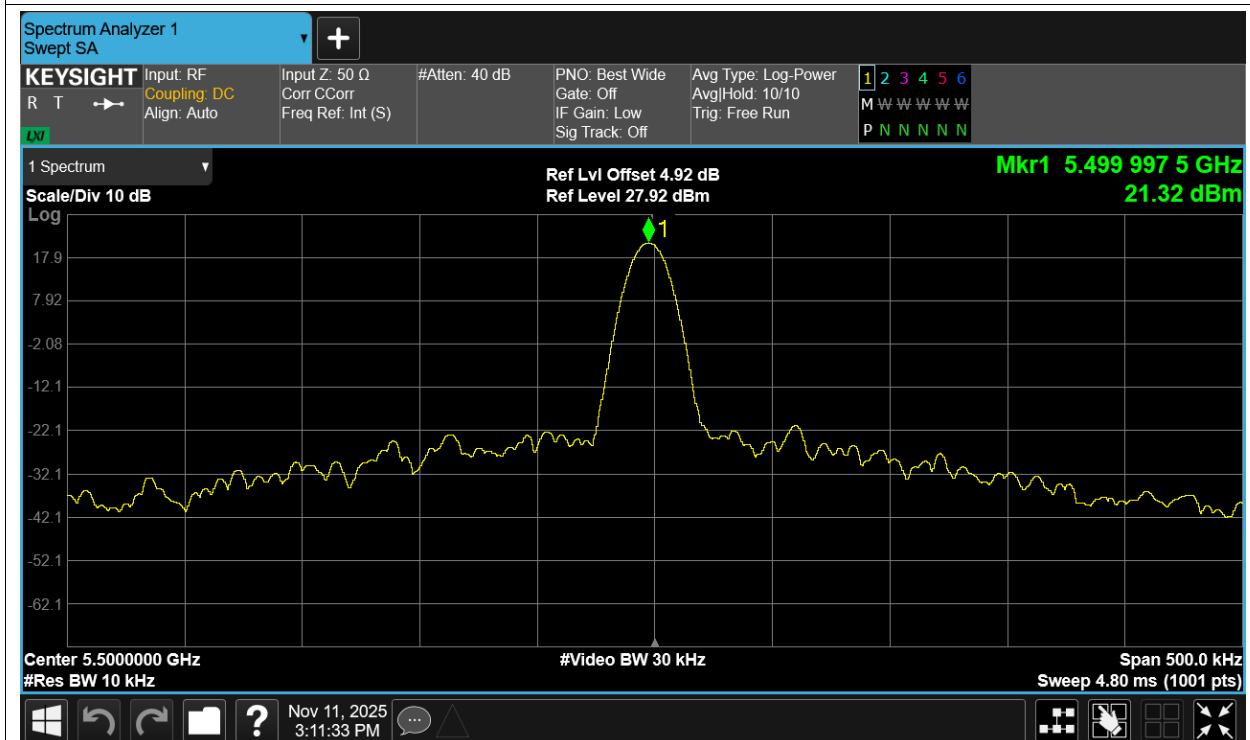
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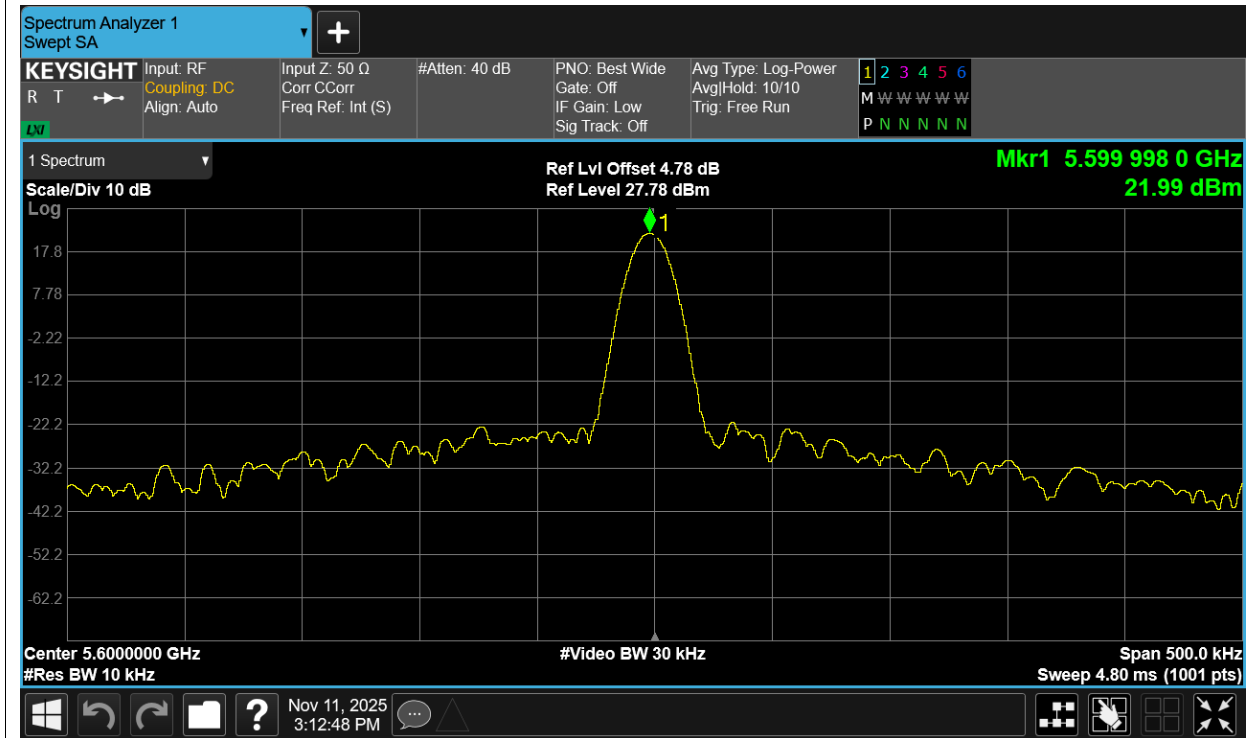
Freq. Stability NVHT 20M 5700MHz Ant1



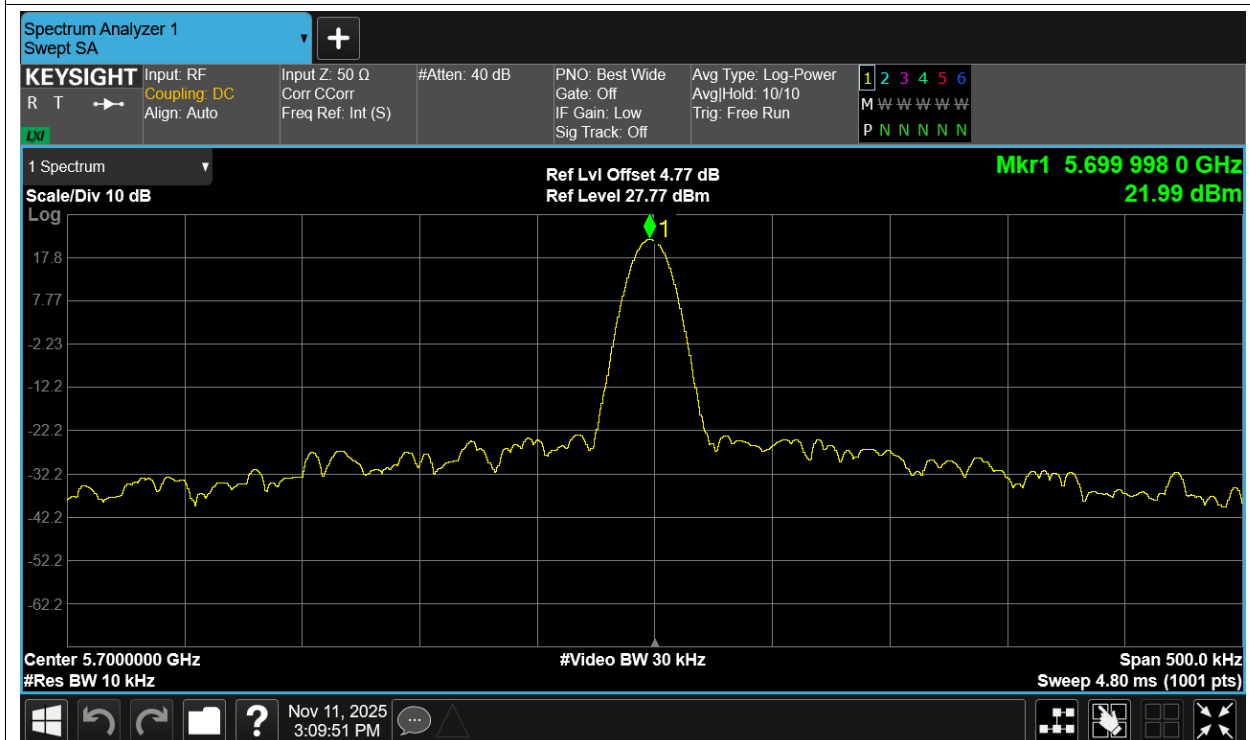
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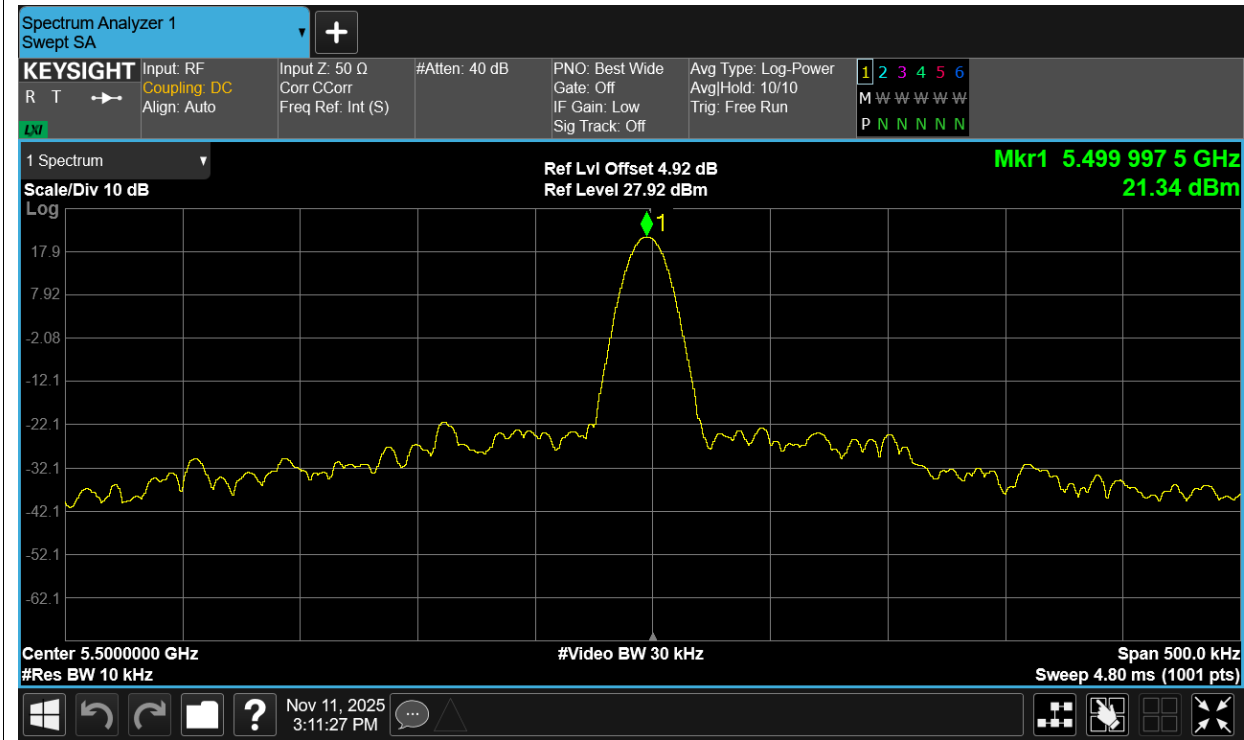
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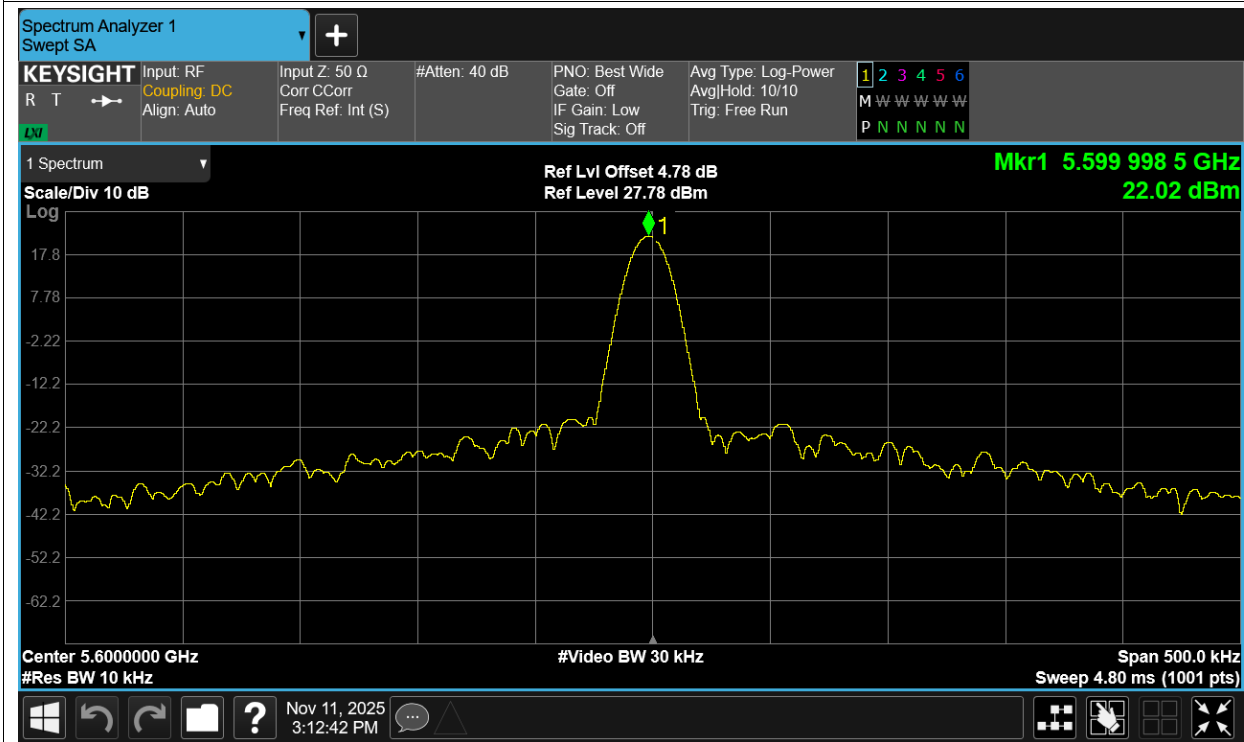
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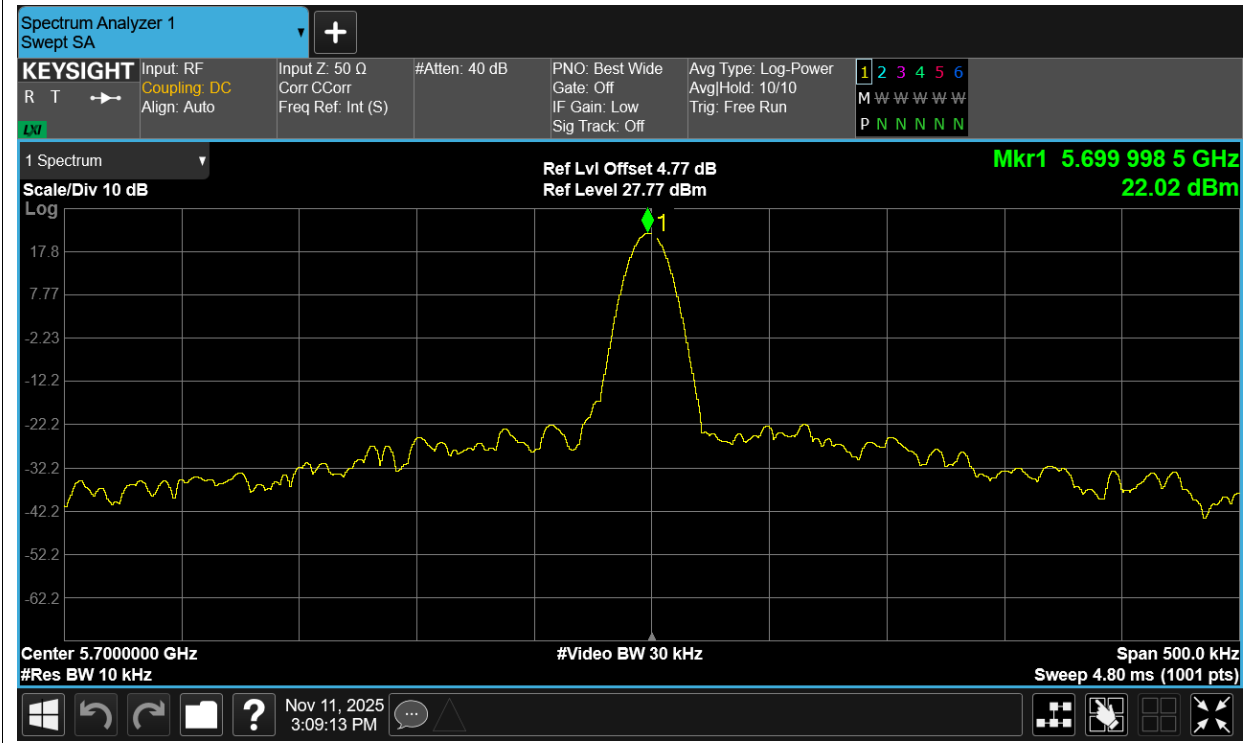
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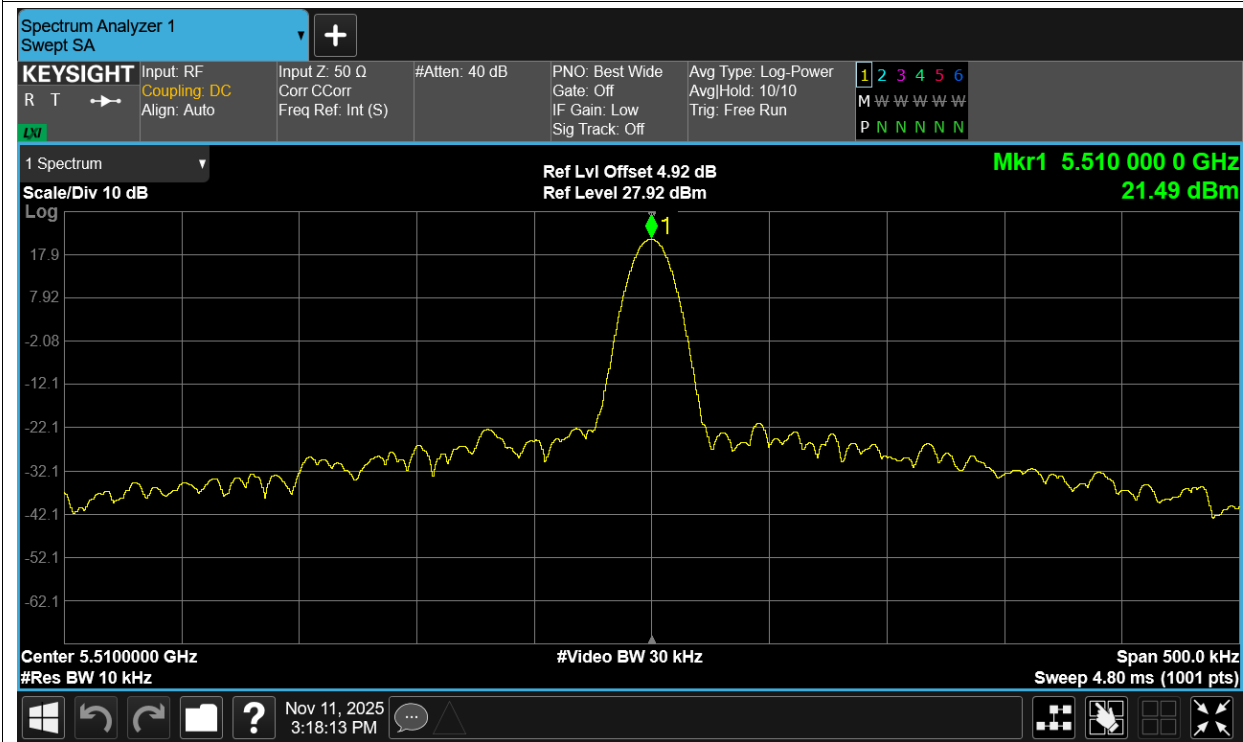
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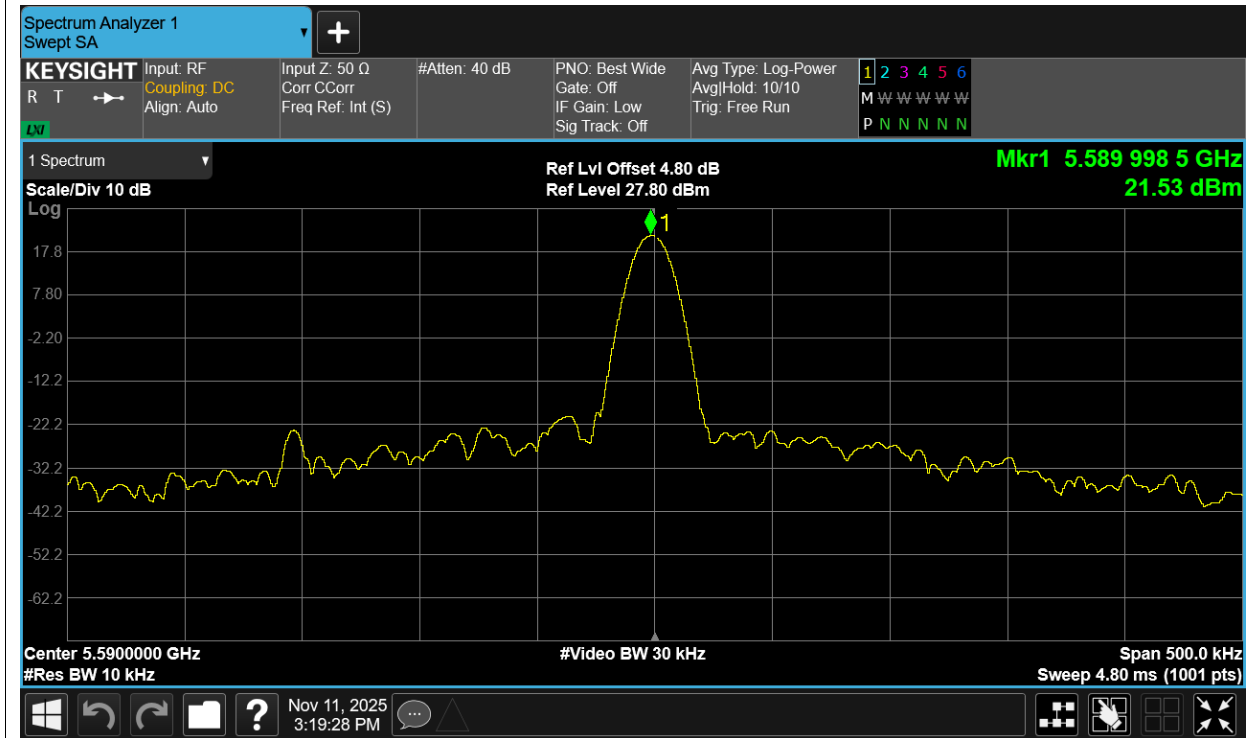
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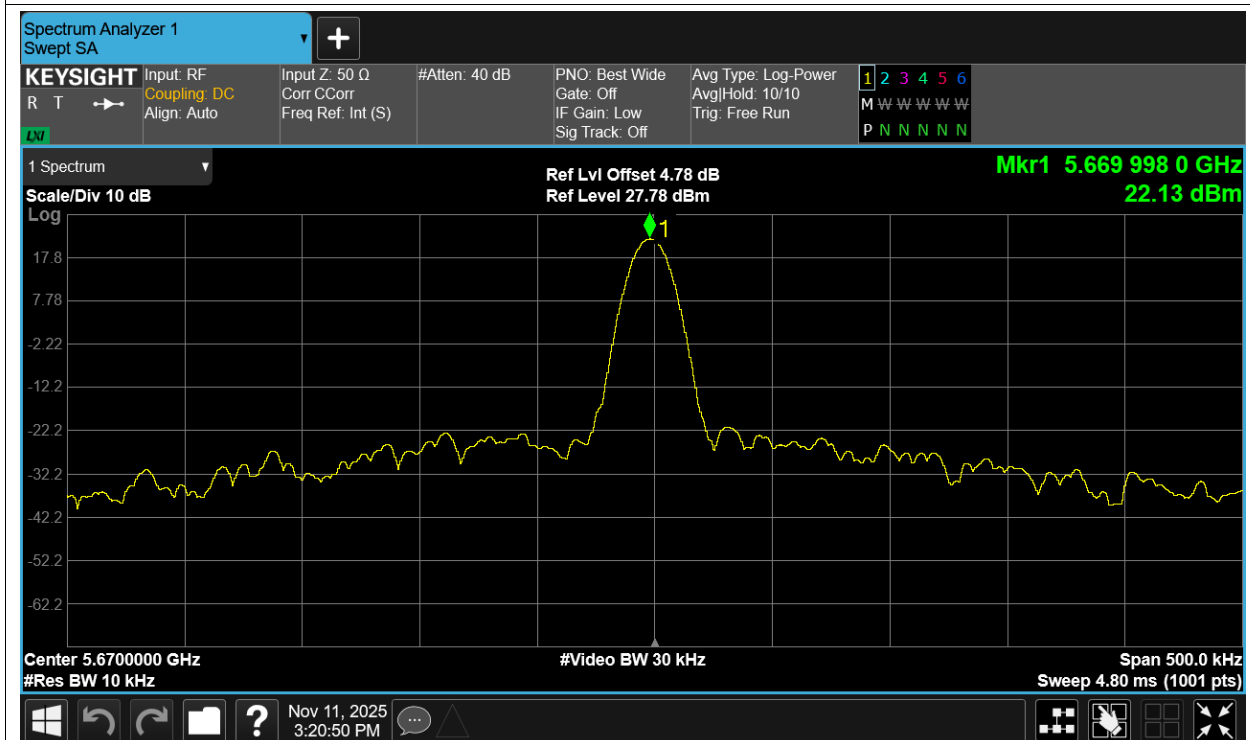
Freq. Stability HVNT 40M 5510MHz Ant1



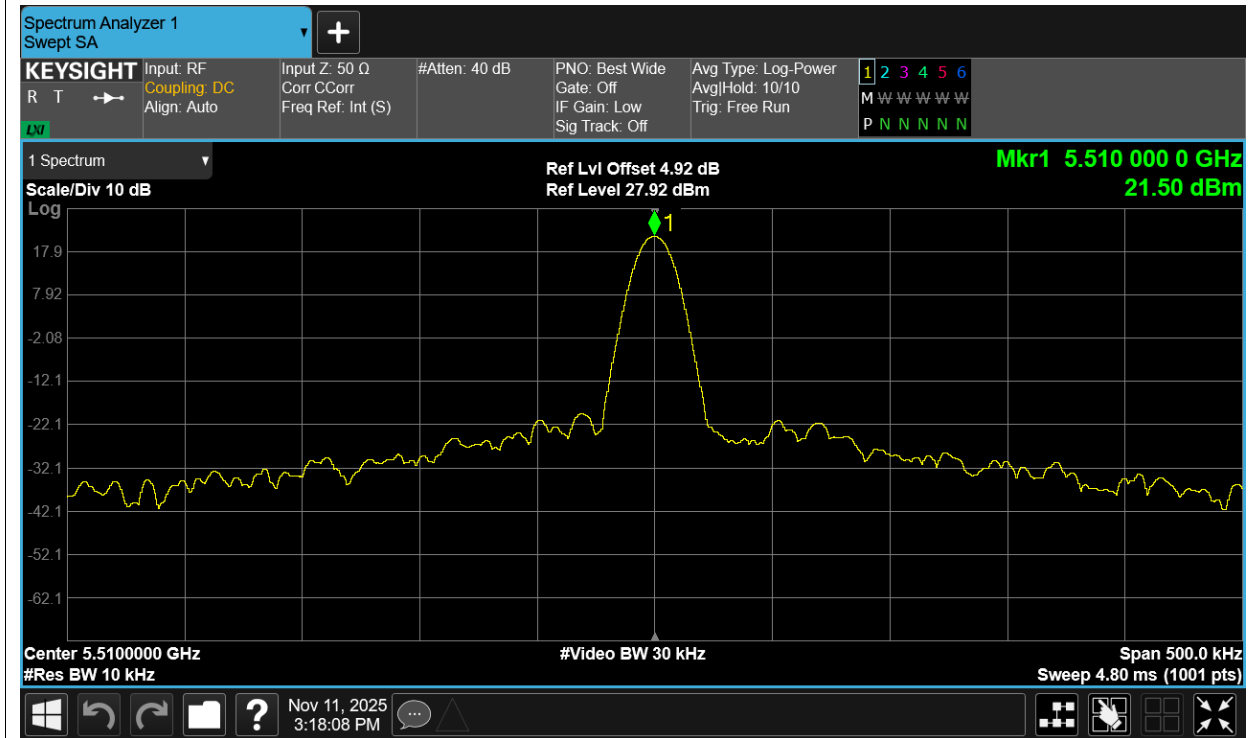
Freq. Stability HVNT 40M 5590MHz Ant1



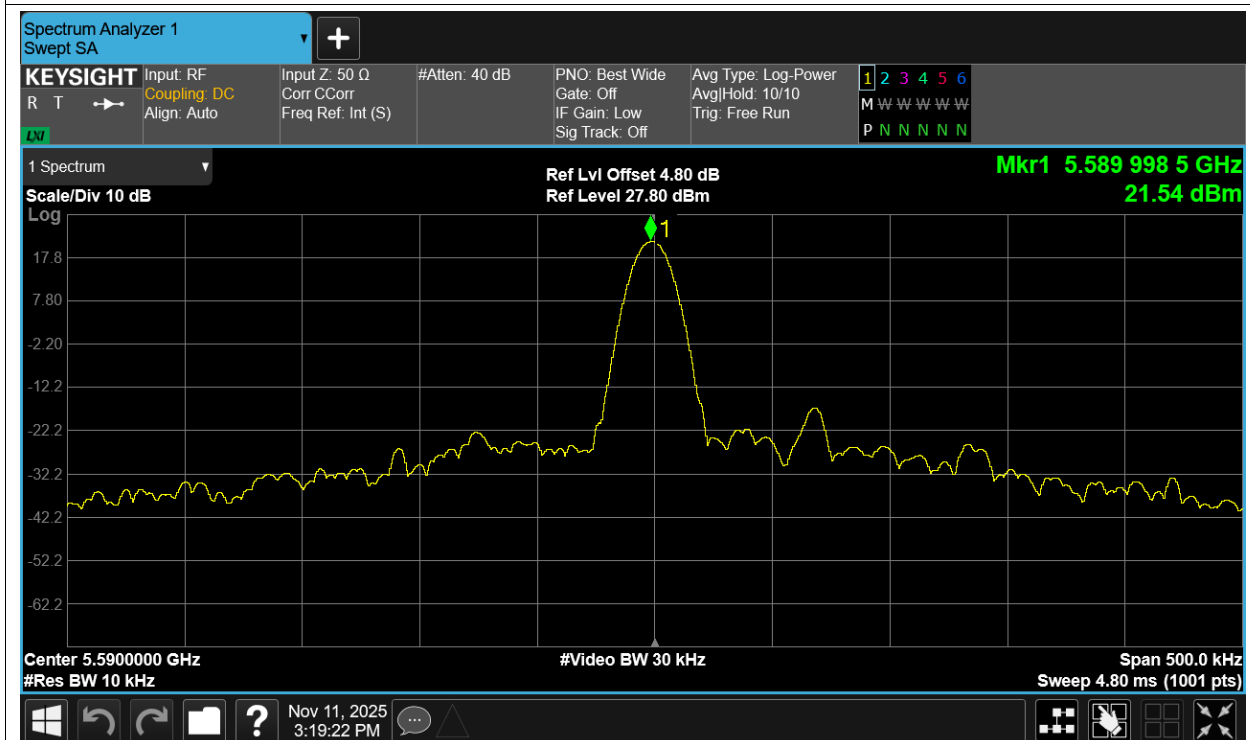
Freq. Stability HVNT 40M 5670MHz Ant1



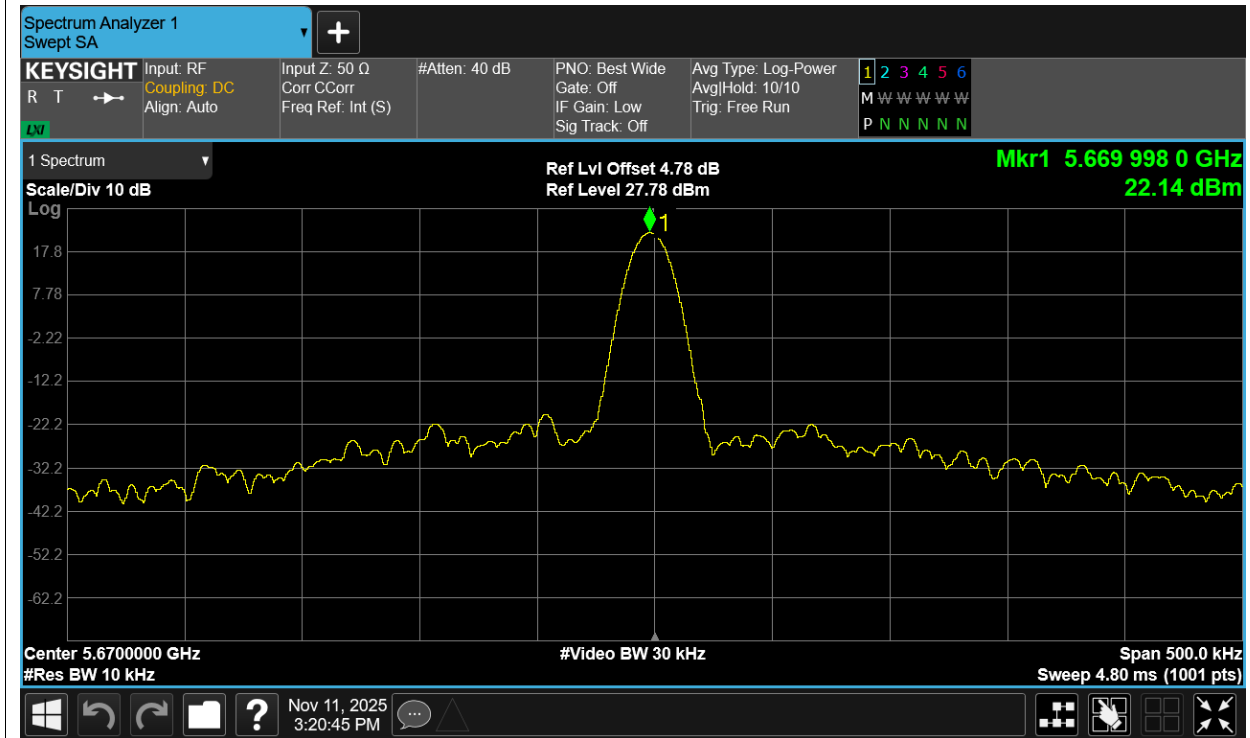
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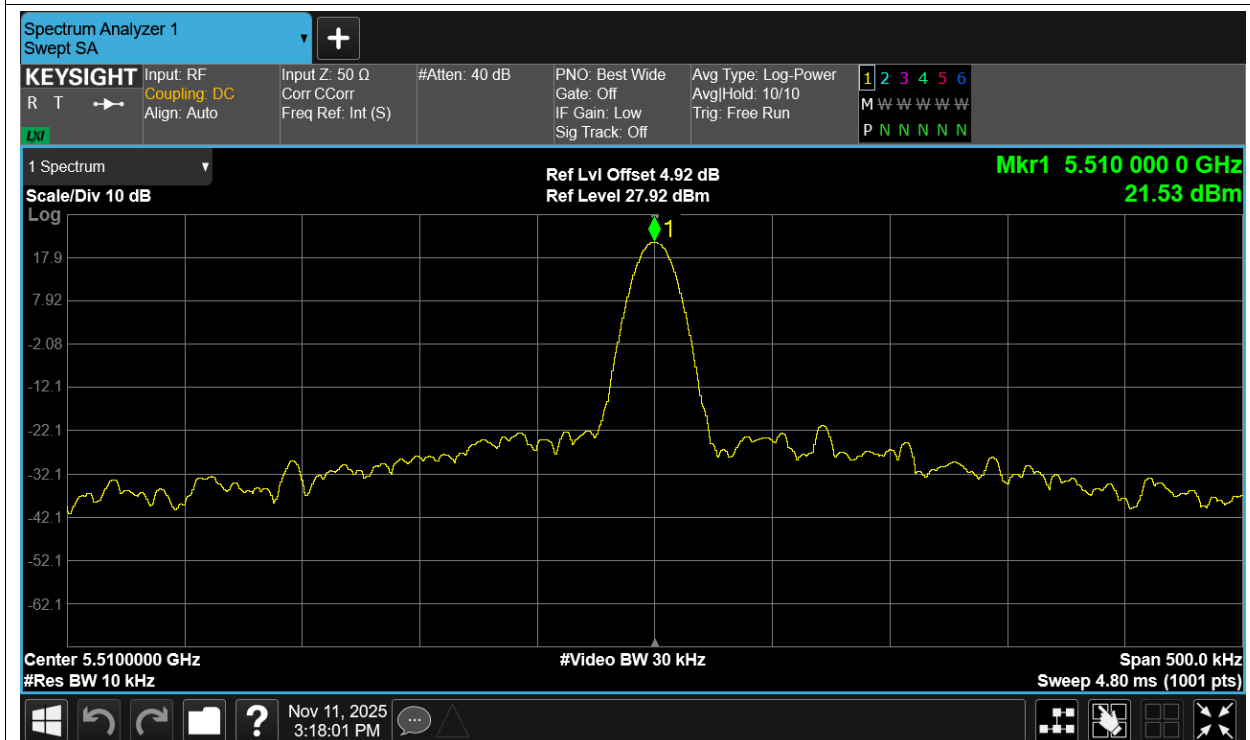
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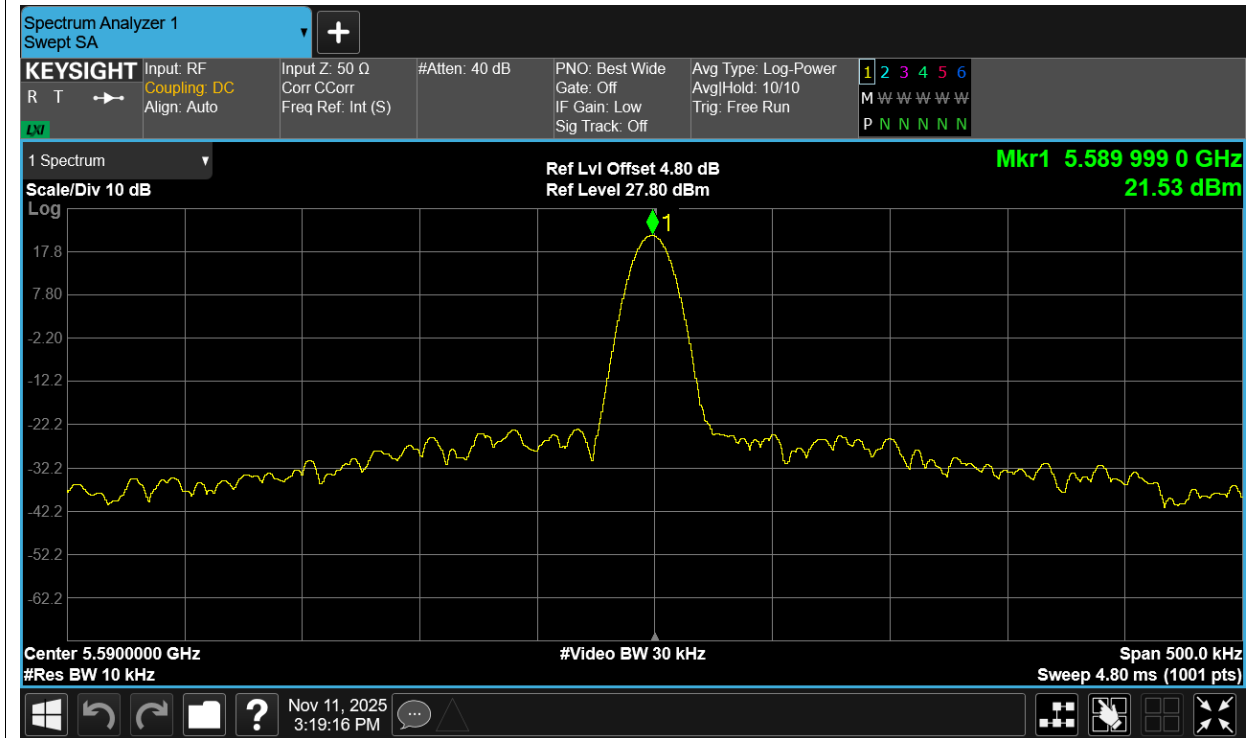
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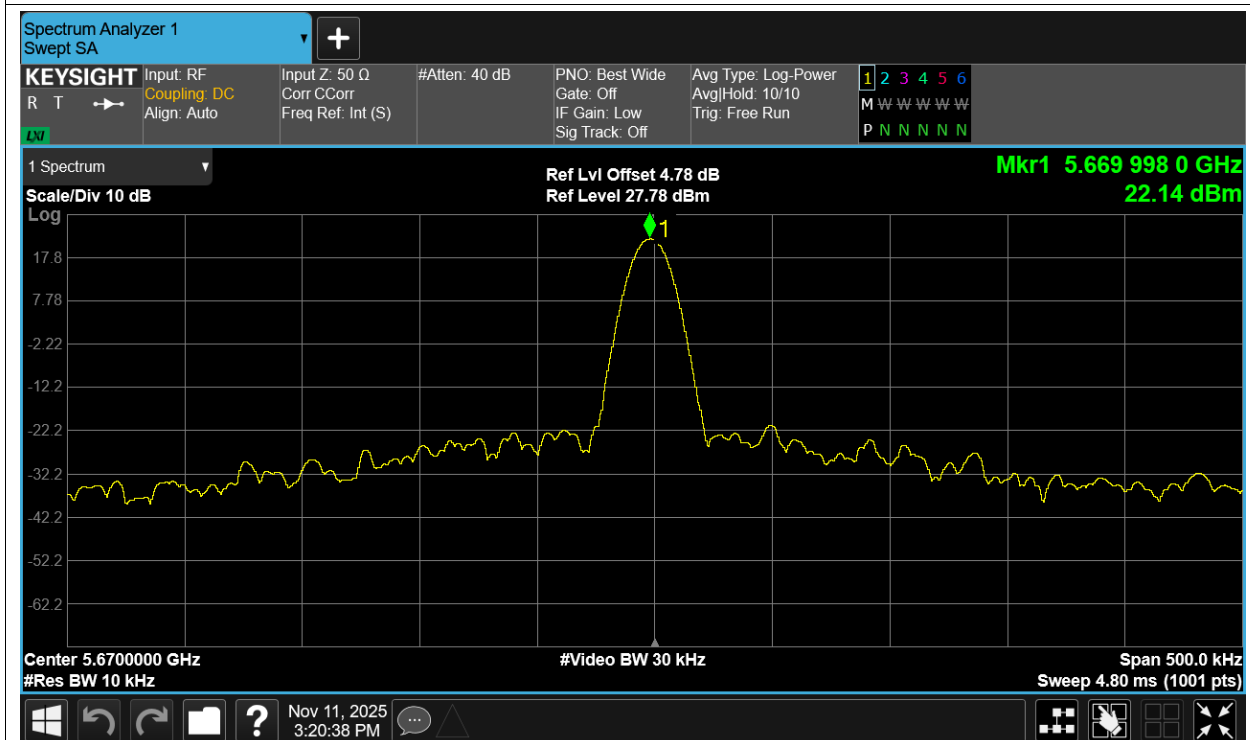
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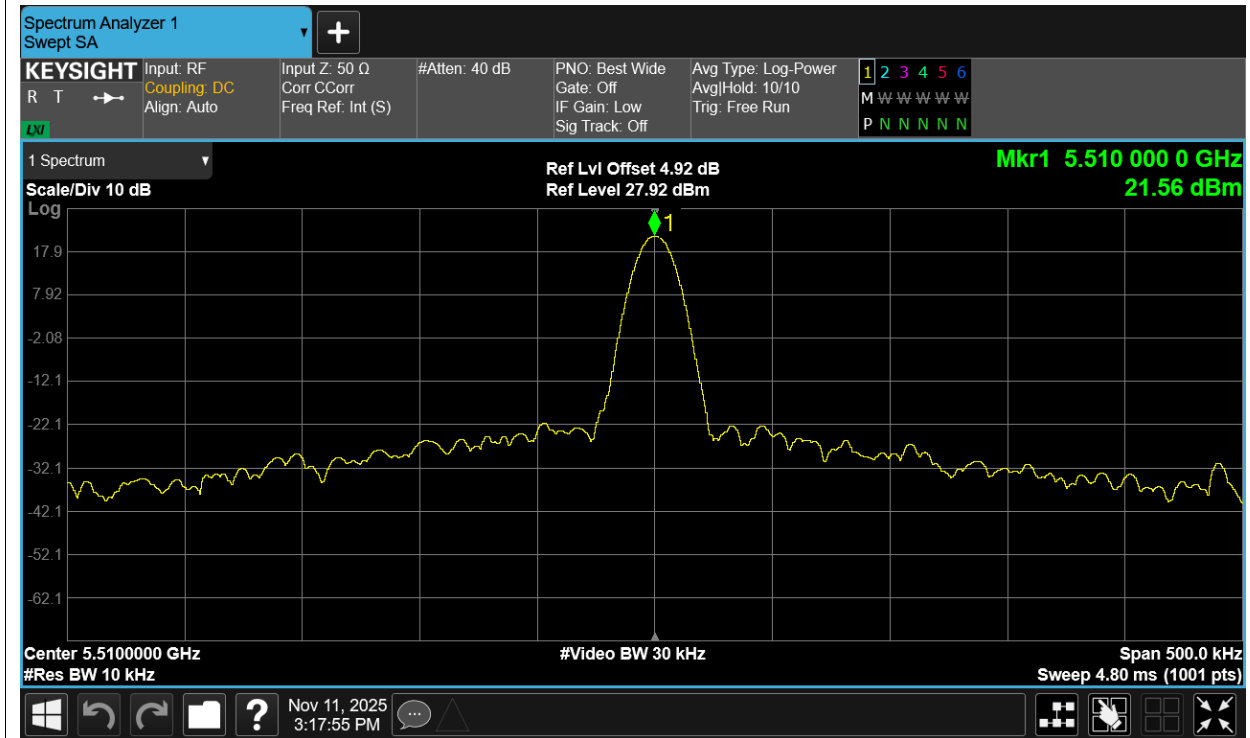
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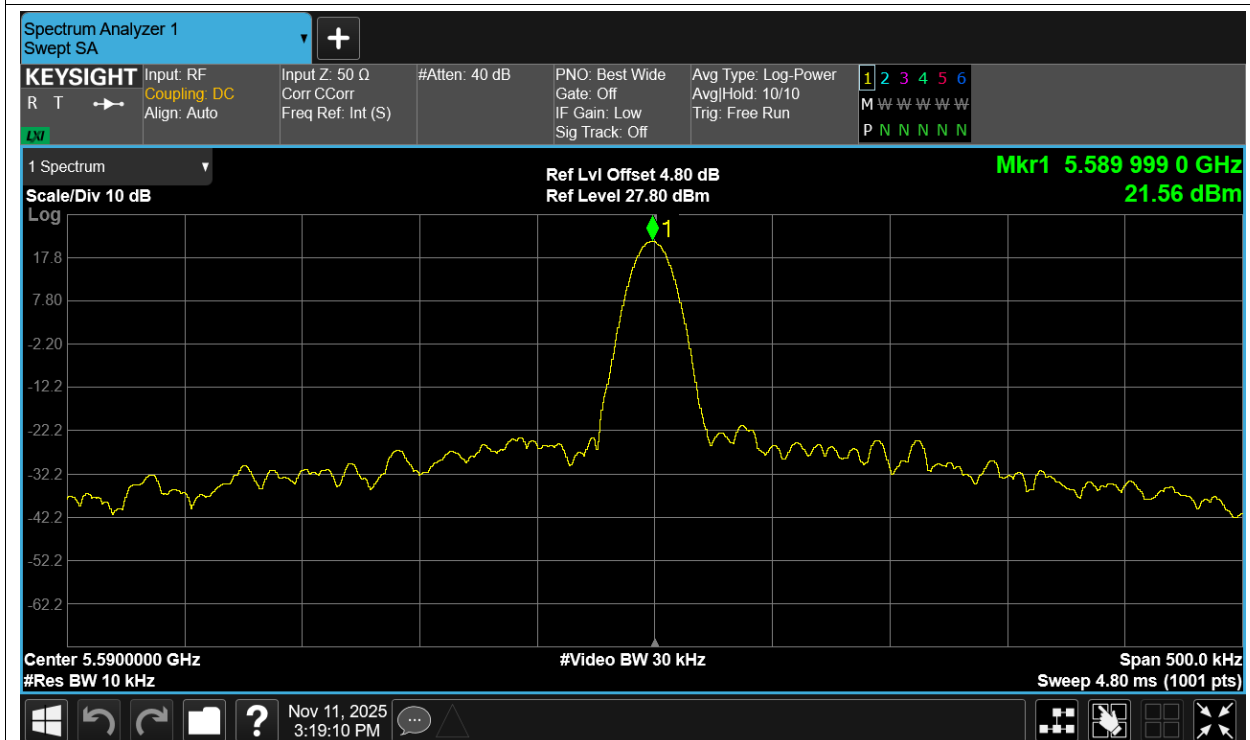
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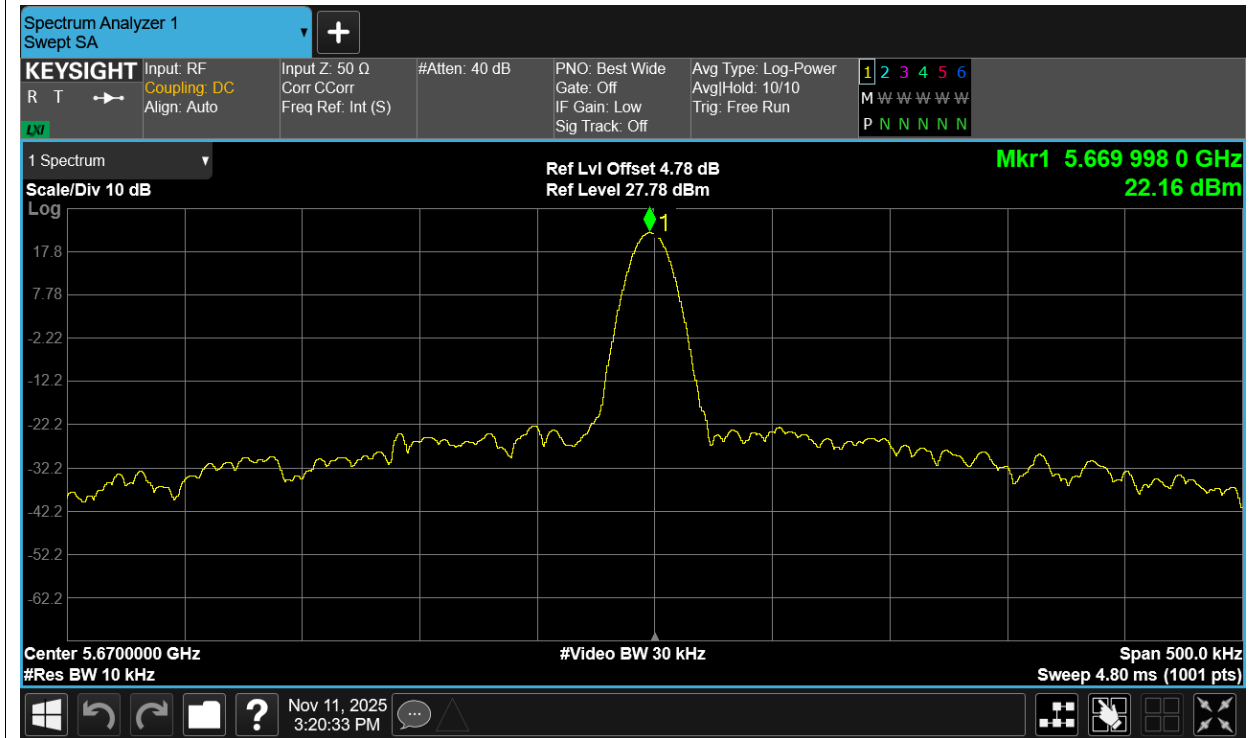
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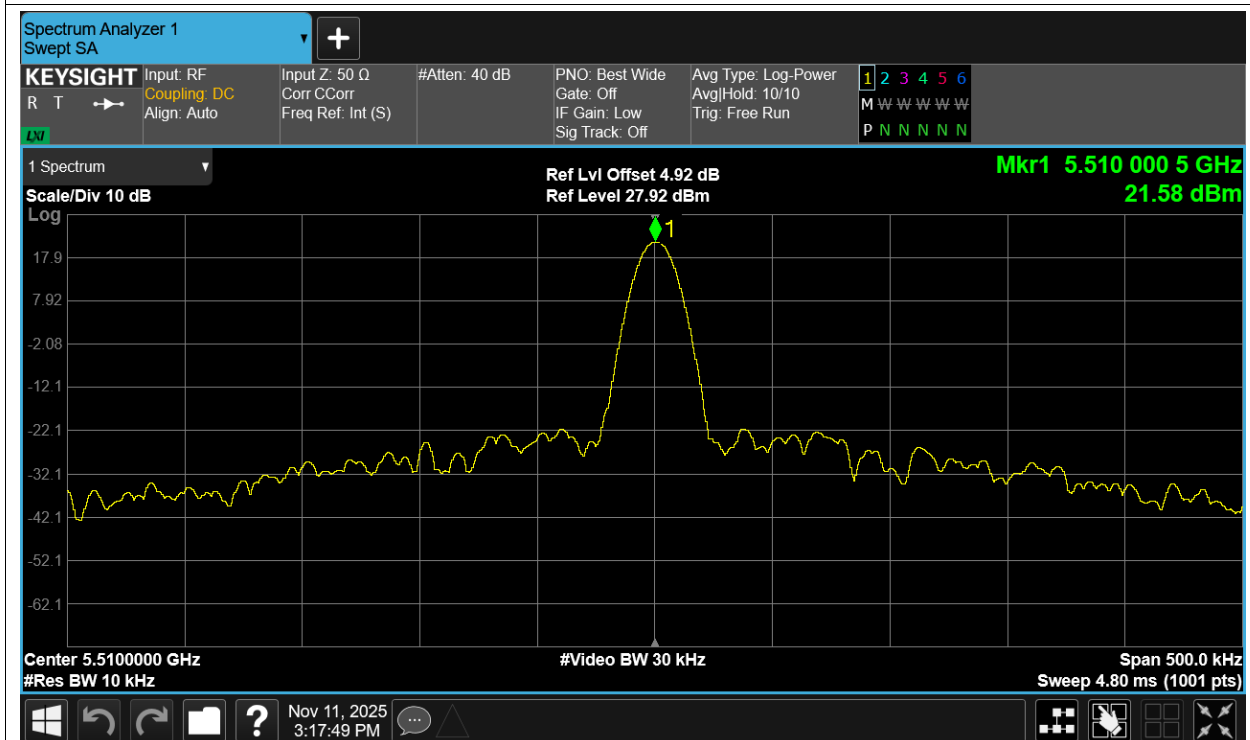
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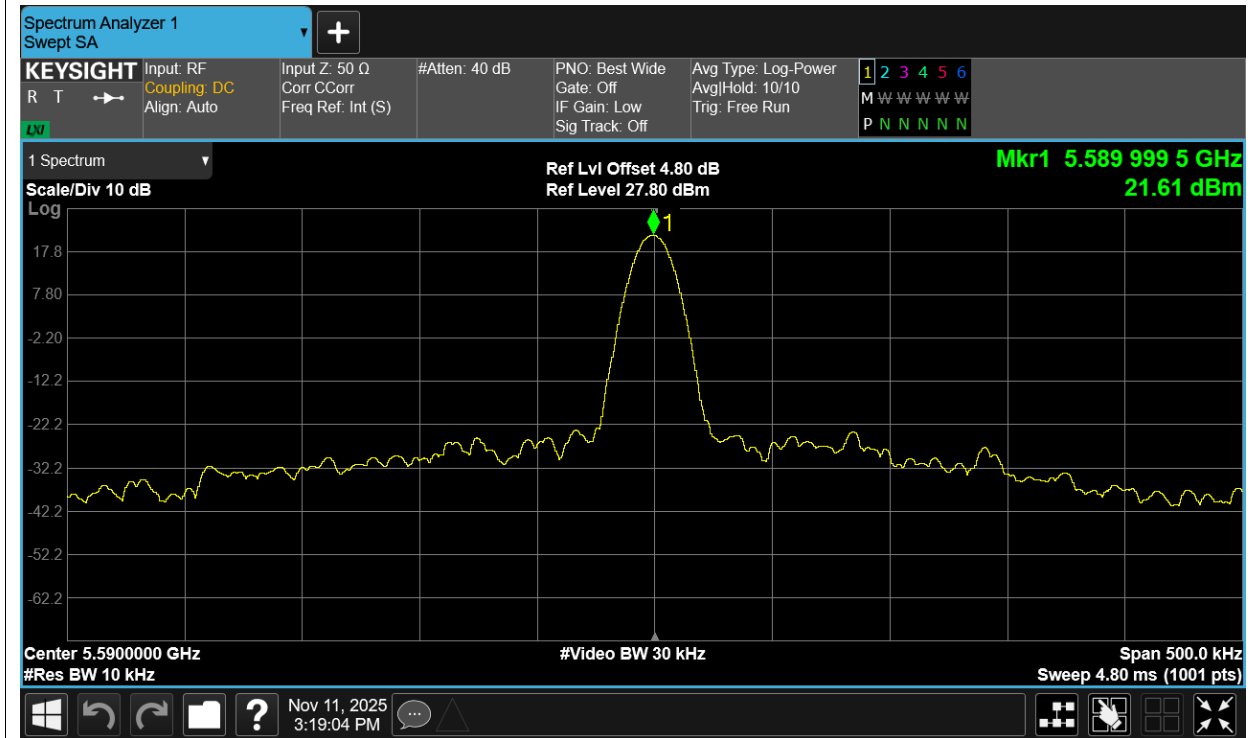
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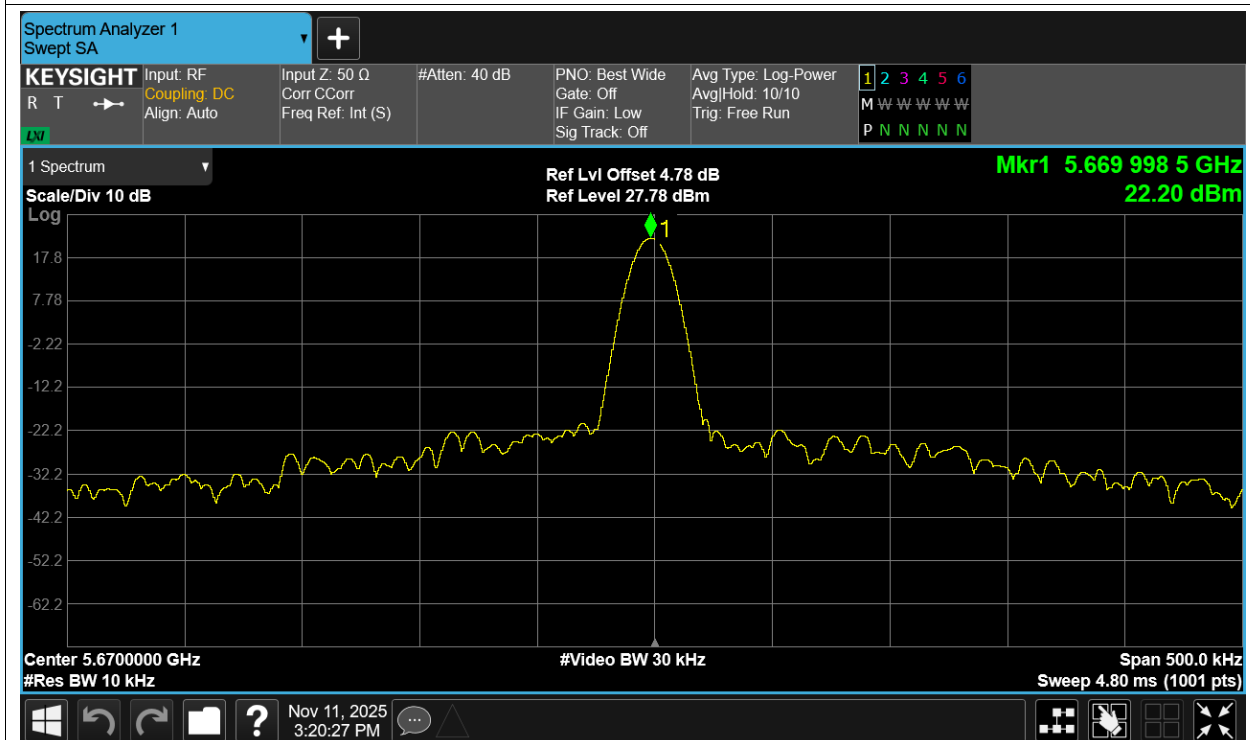
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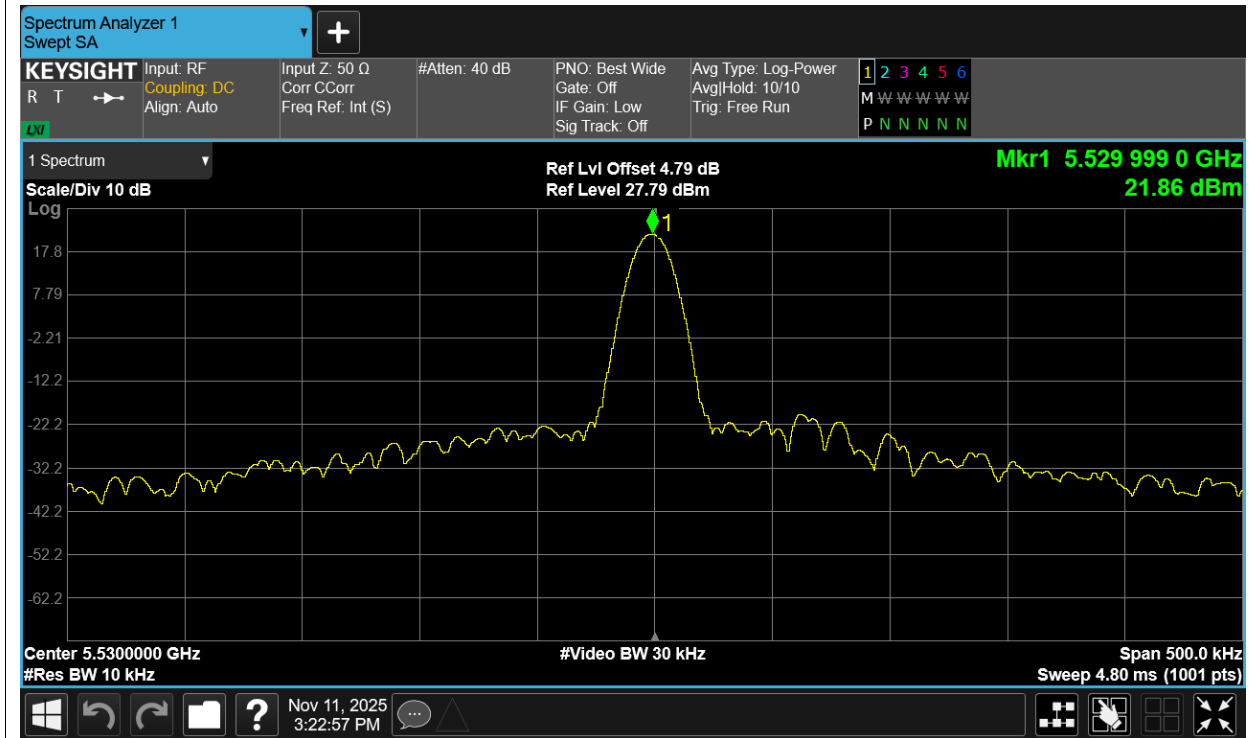
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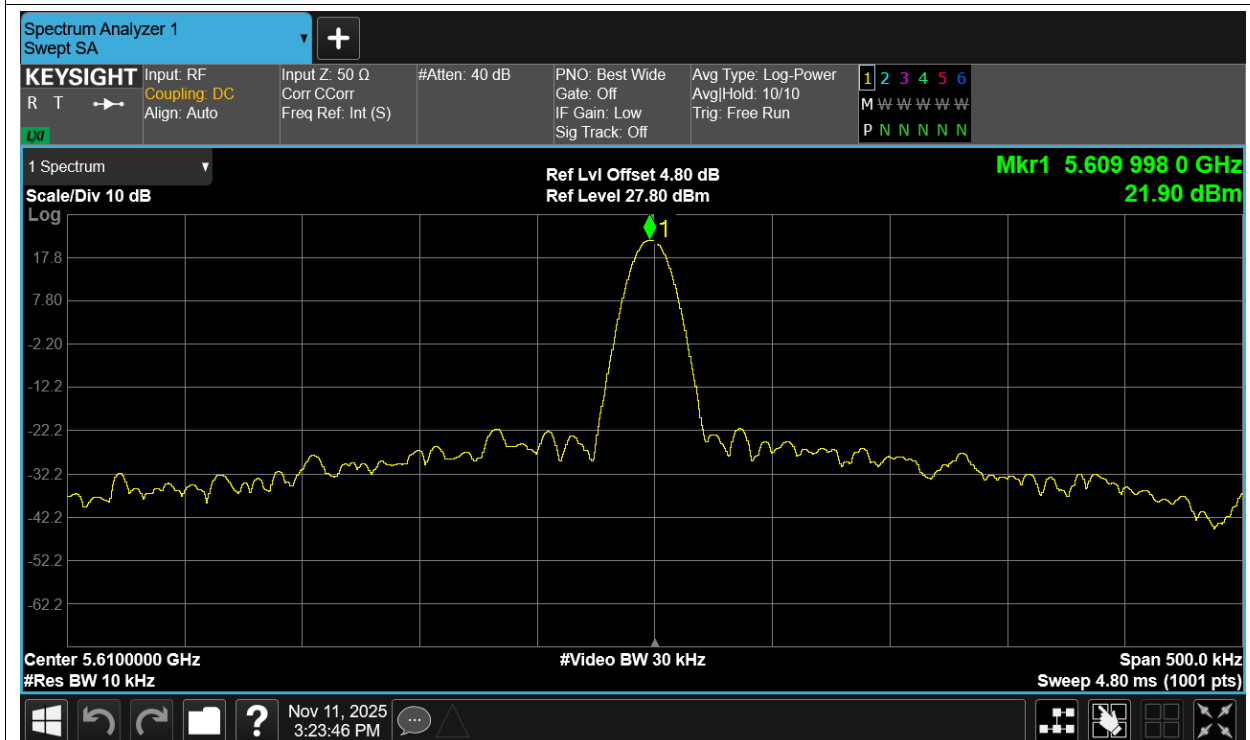
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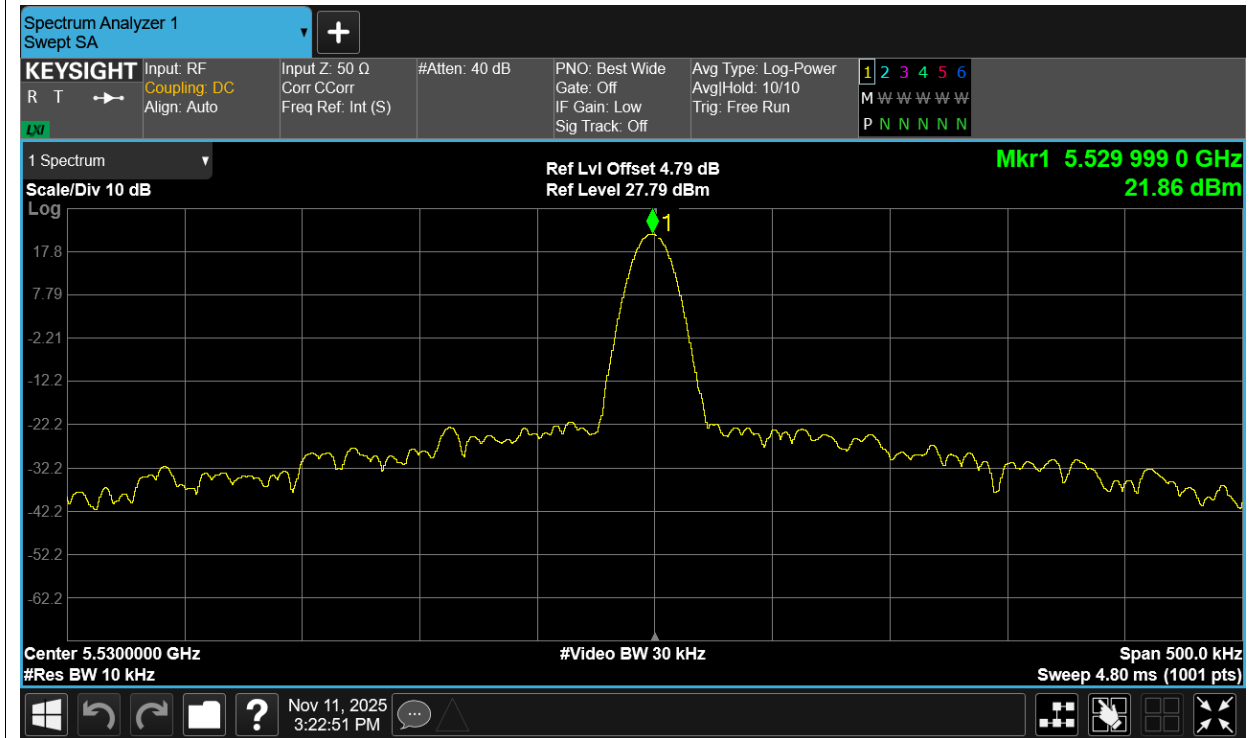
Freq. Stability HVNT 80 5530MHz Ant1



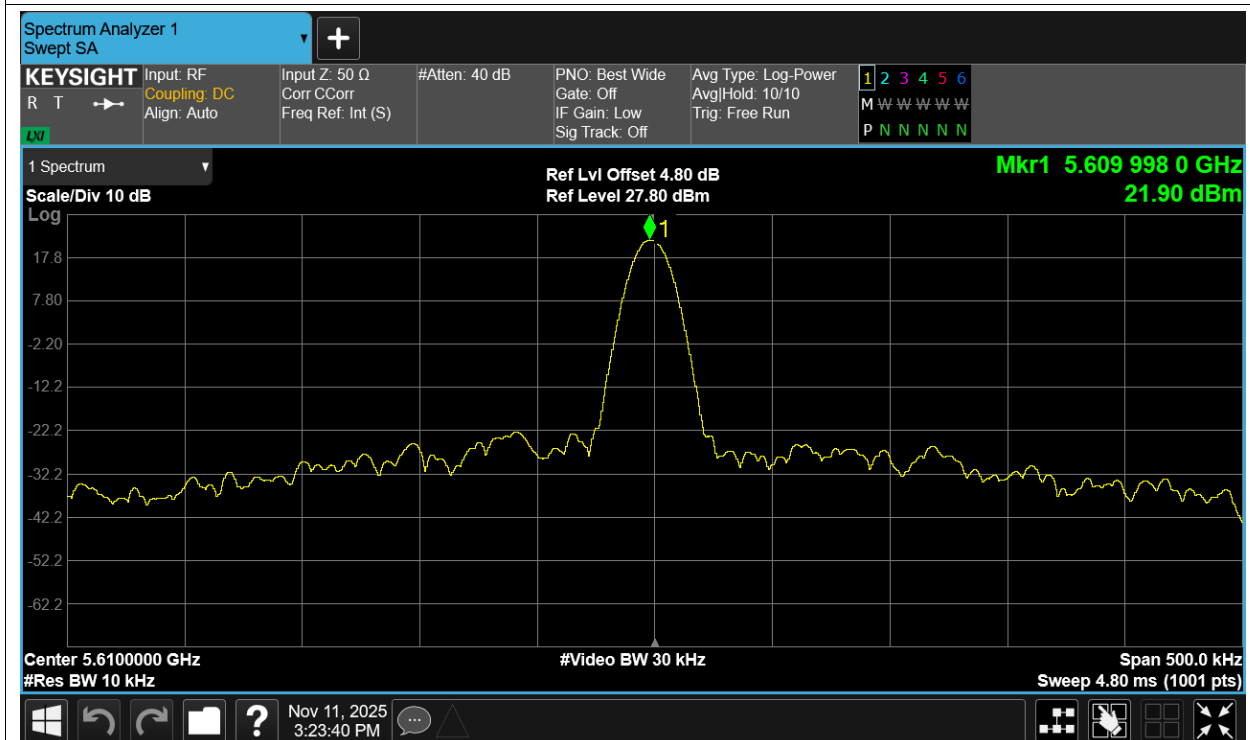
Freq. Stability HVNT 80 5610MHz Ant1



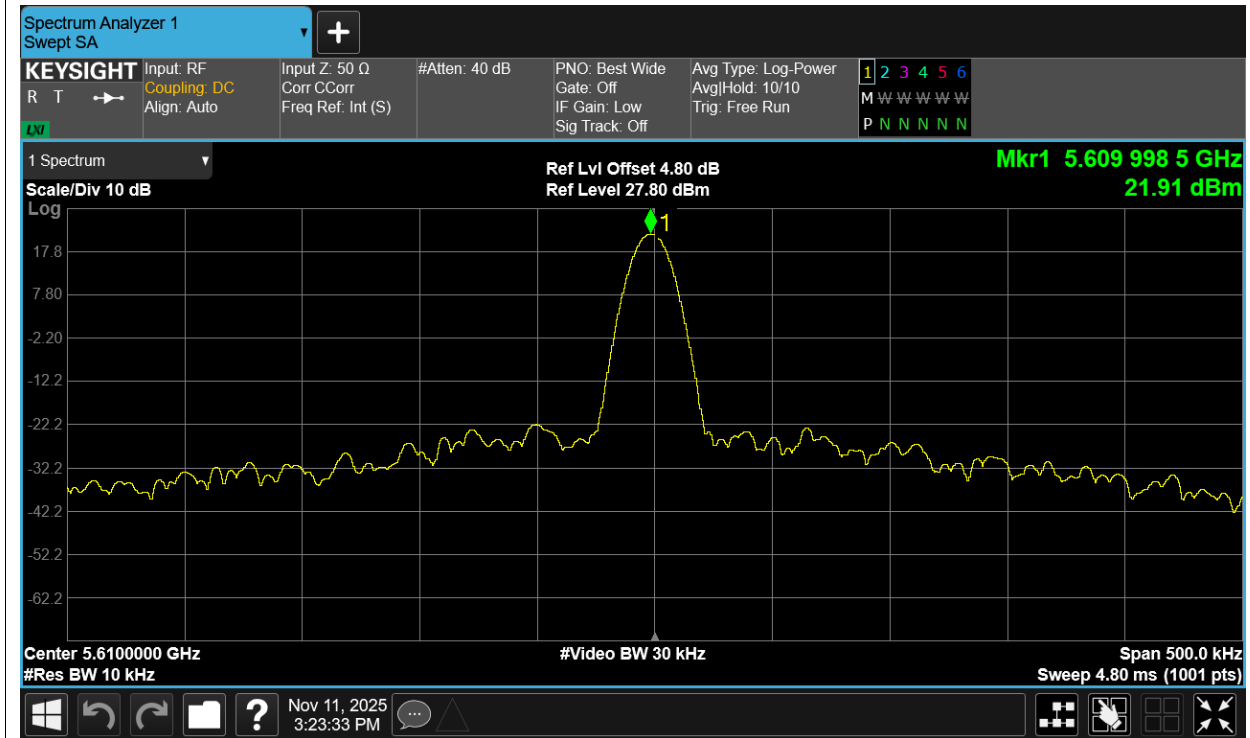
Freq. Stability LVNT 80 5530MHz Ant1



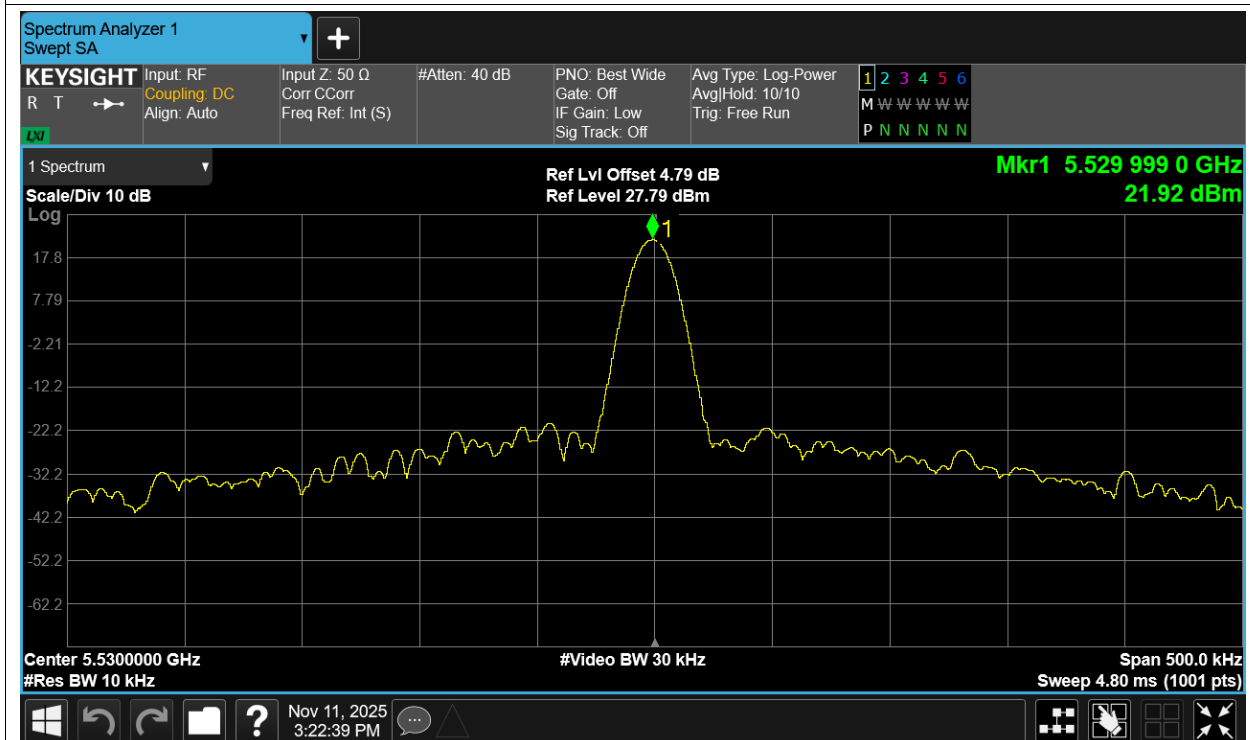
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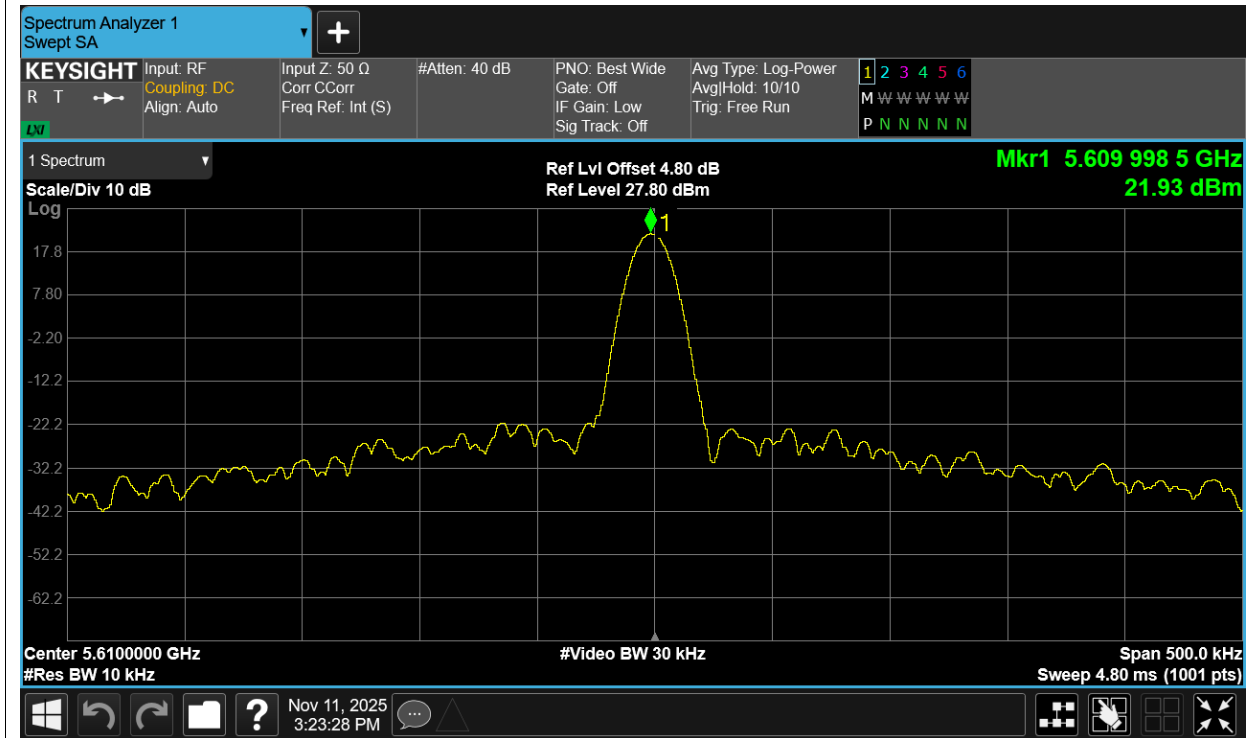
Freq. Stability NVHT 80 5610MHz Ant1



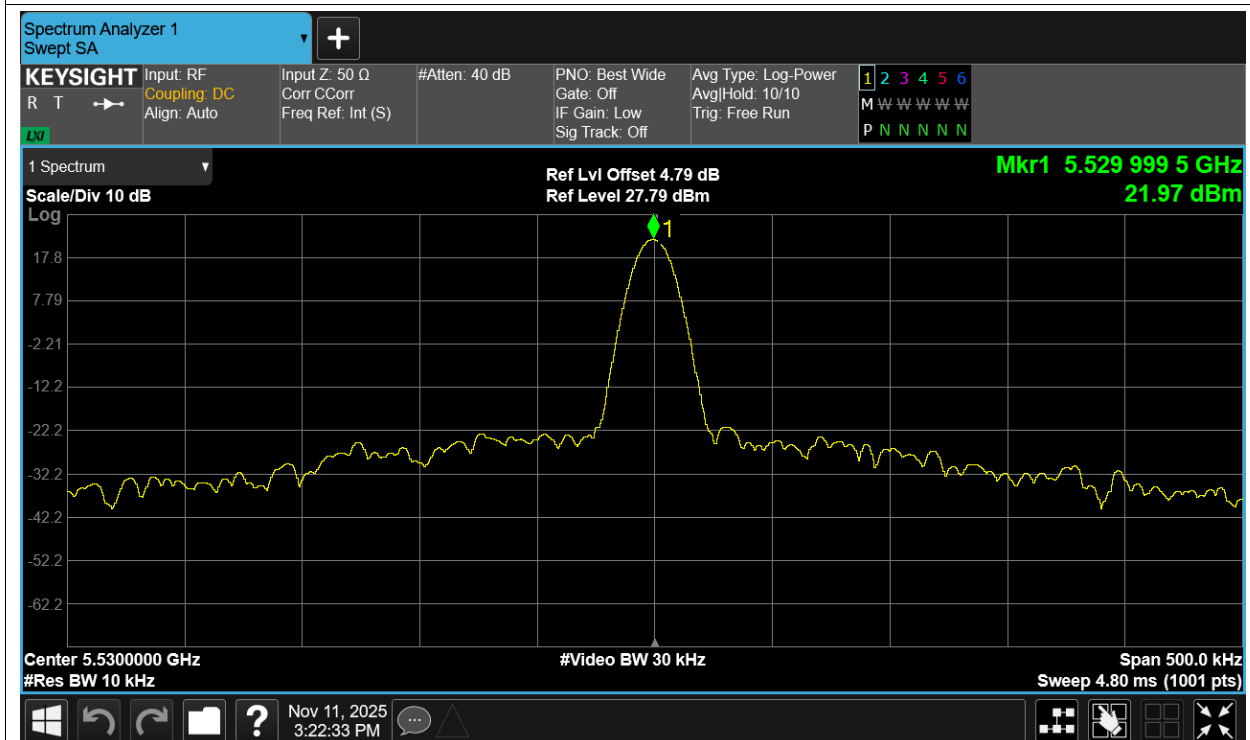
Freq. Stability NVLT 80 5530MHz Ant1



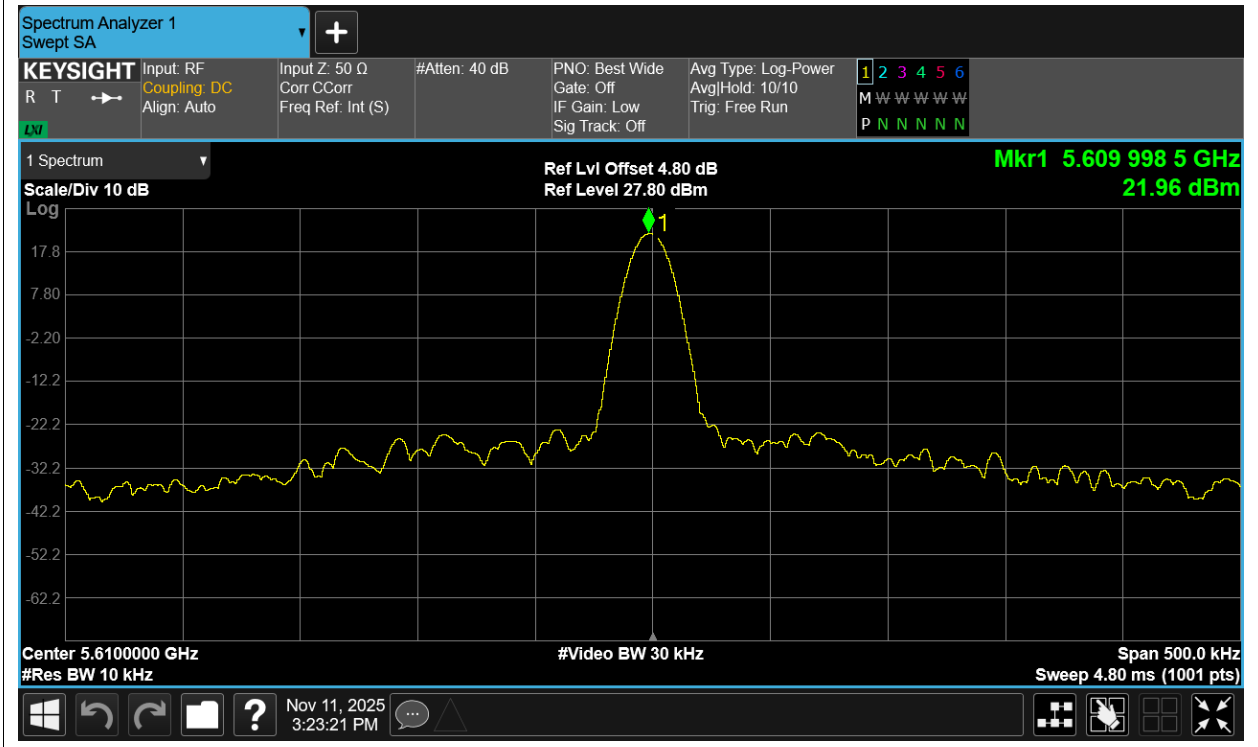
Freq. Stability NVLT 80 5610MHz Ant1



Freq. Stability NVNT 80 5530MHz Ant1



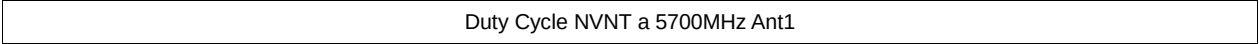
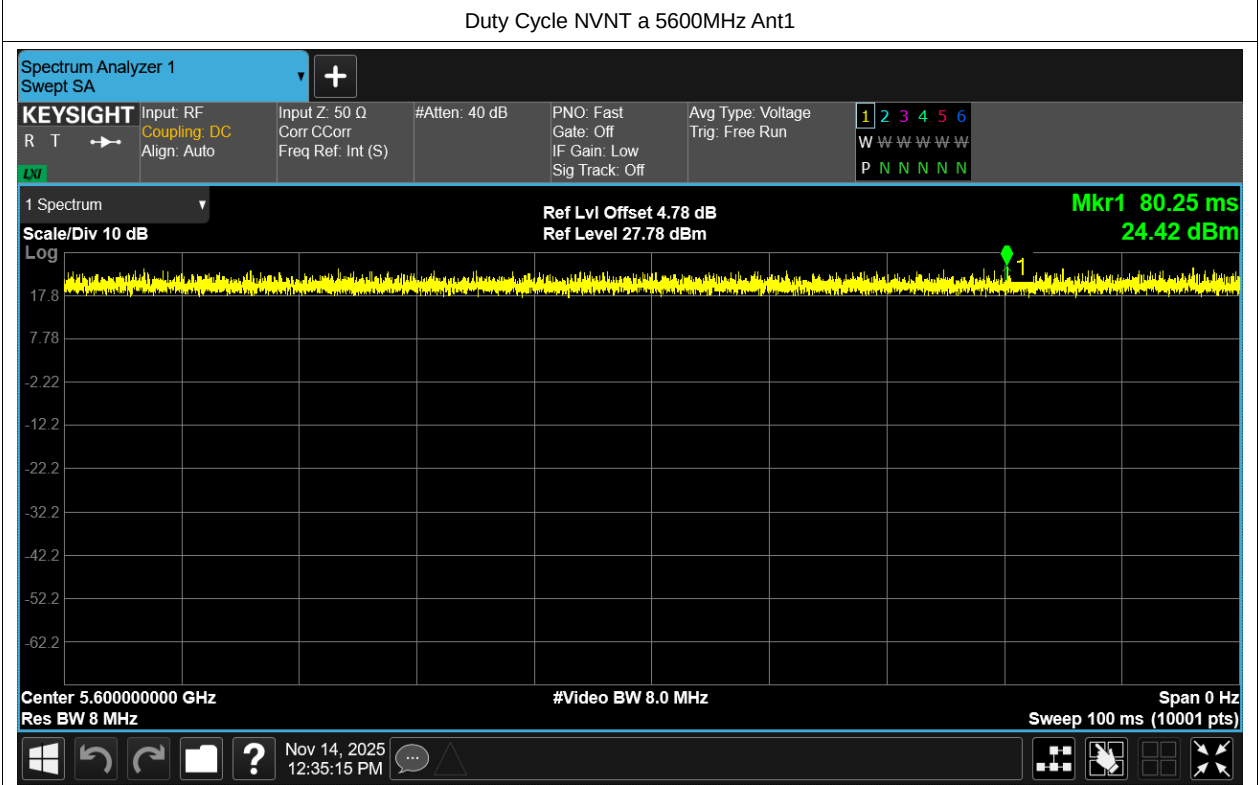
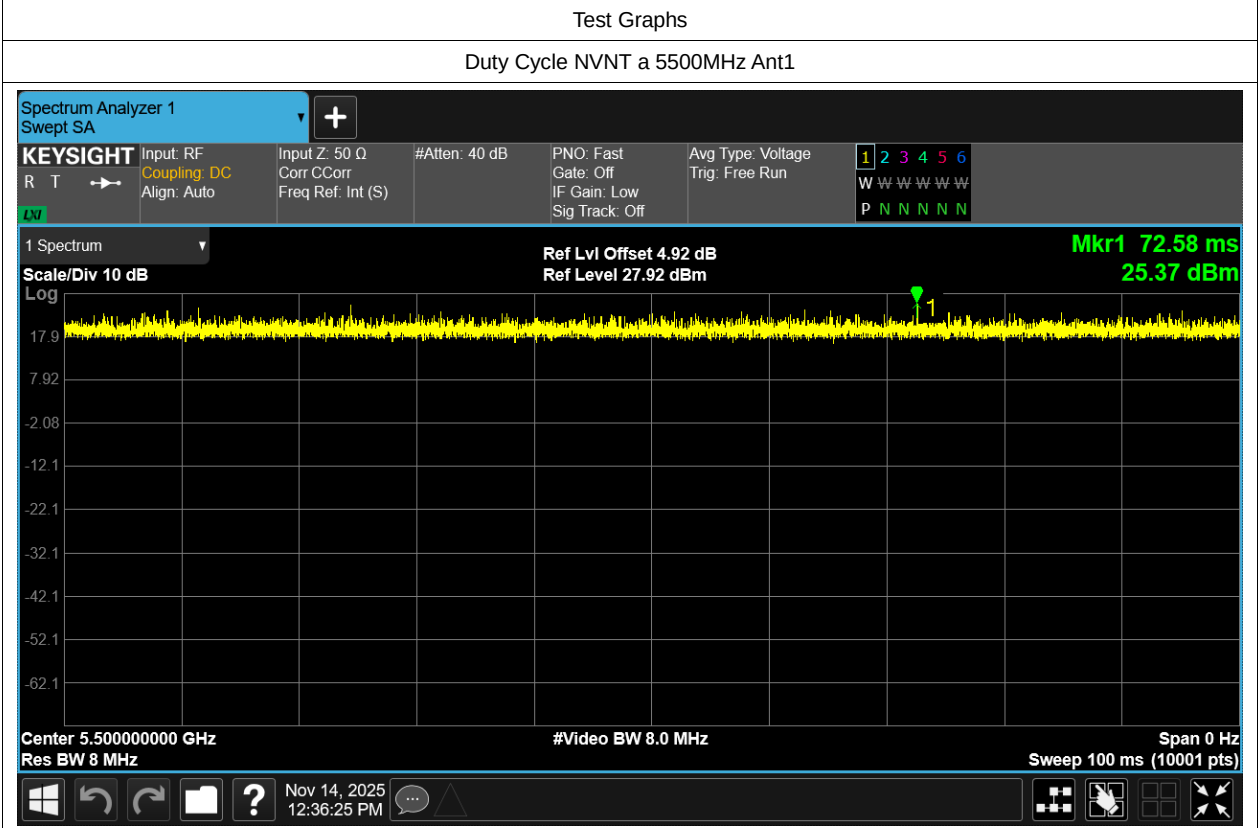
Freq. Stability NVNT 80 5610MHz Ant1

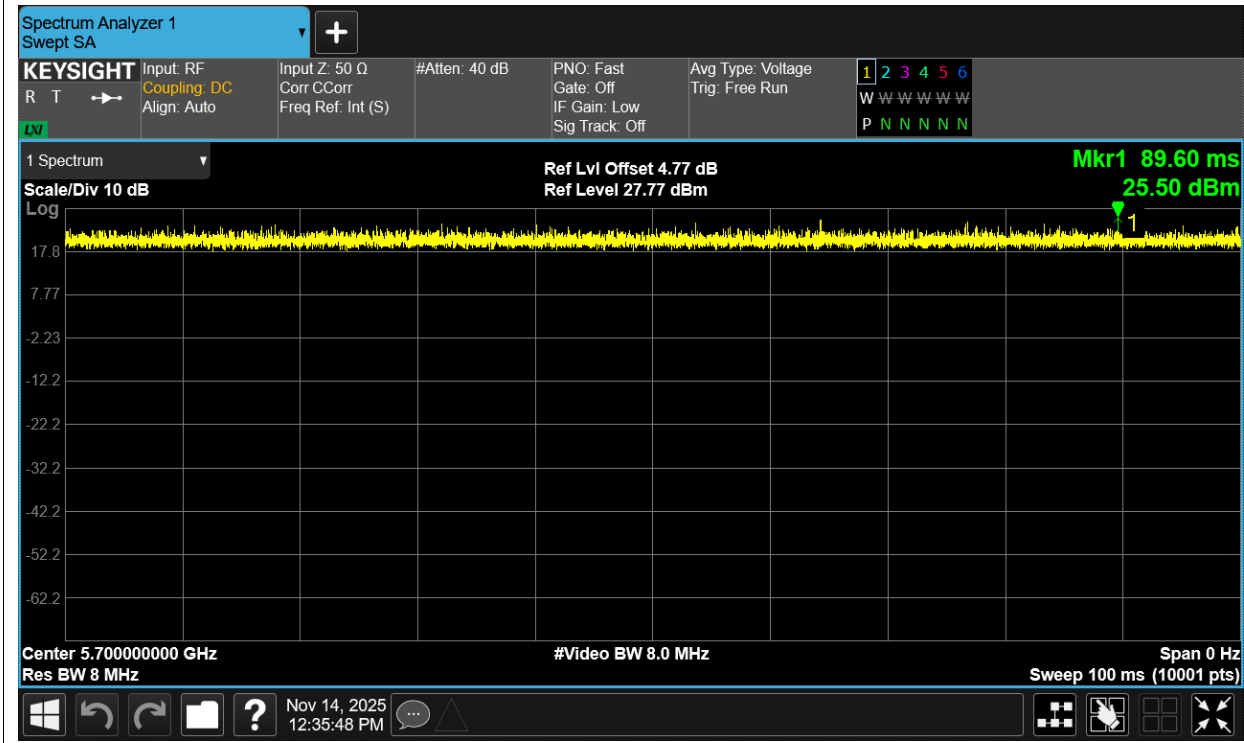




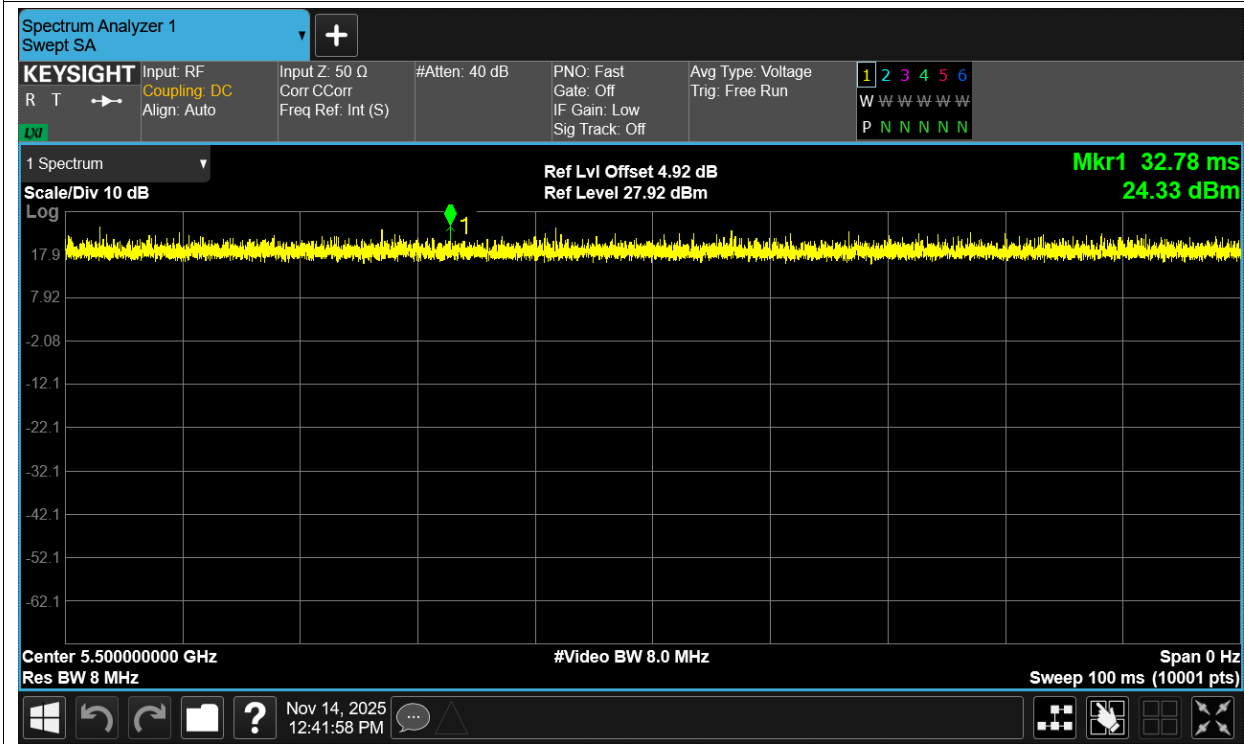
Duty Cycle

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

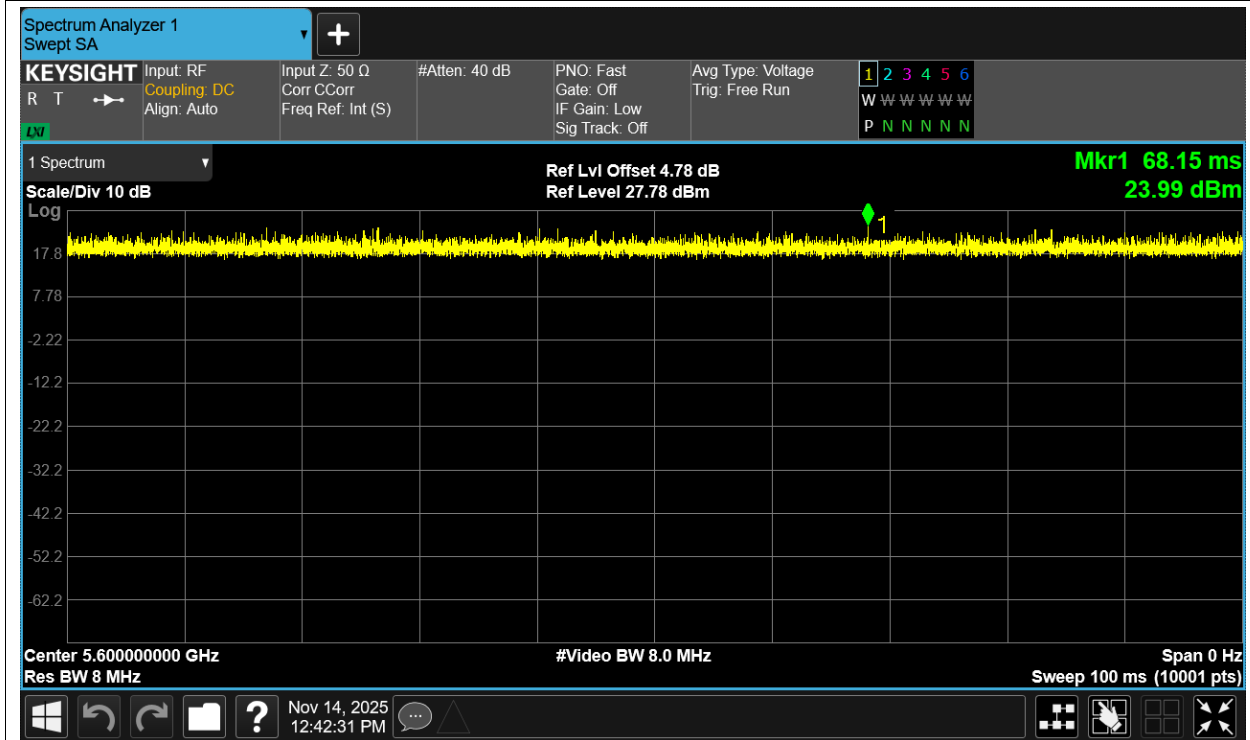




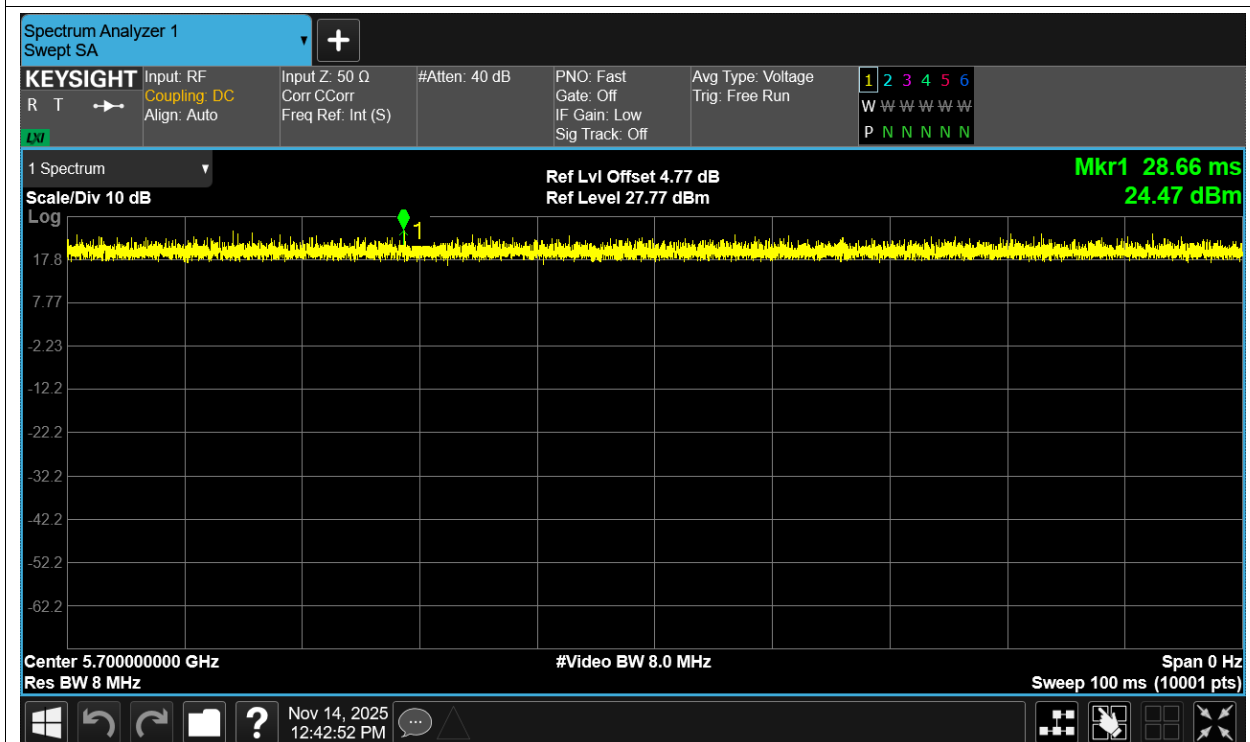
Duty Cycle NVNT ac20 5500MHz Ant1



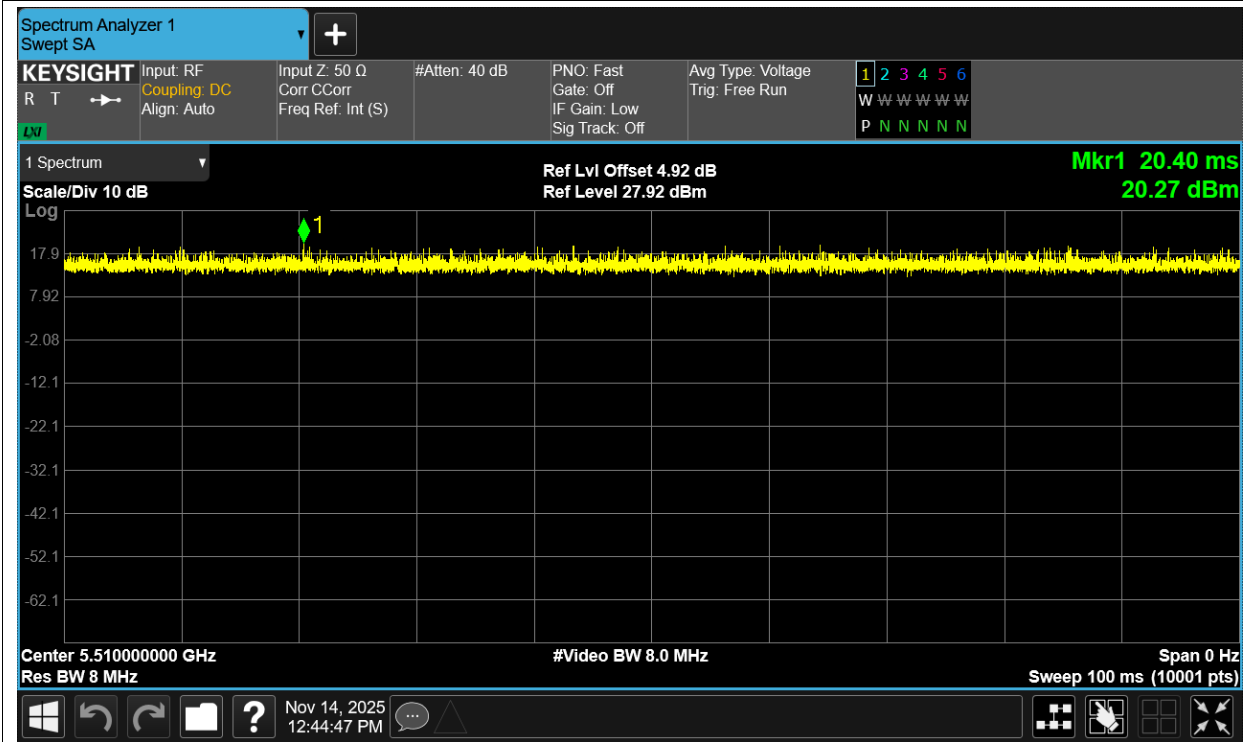
Duty Cycle NVNT ac20 5600MHz Ant1



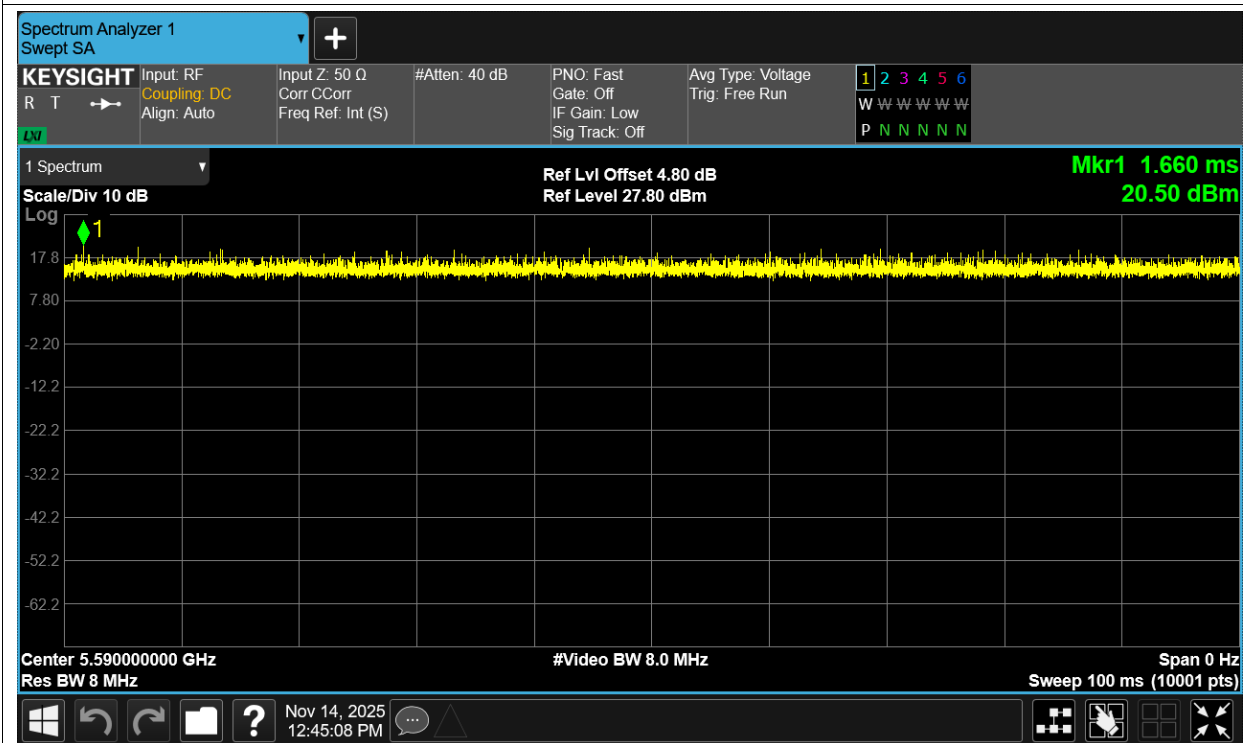
Duty Cycle NVNT ac20 5700MHz Ant1



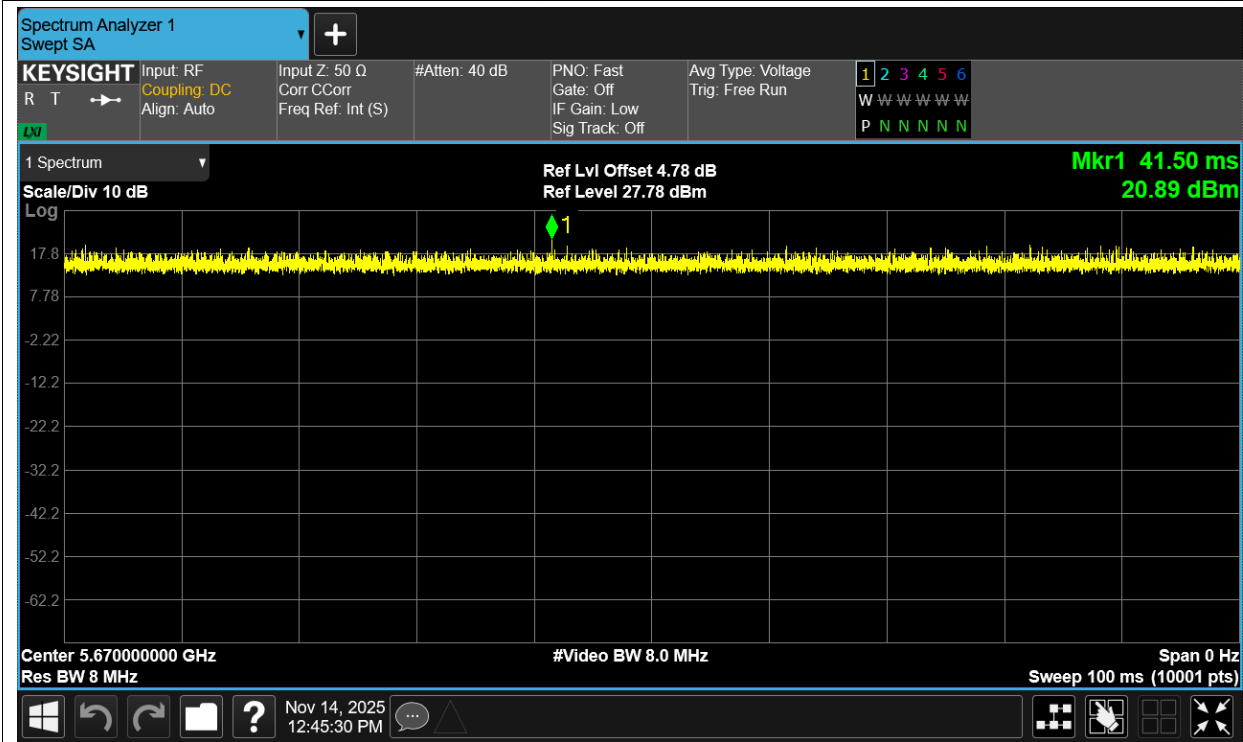
Duty Cycle NVNT ac40 5510MHz Ant1



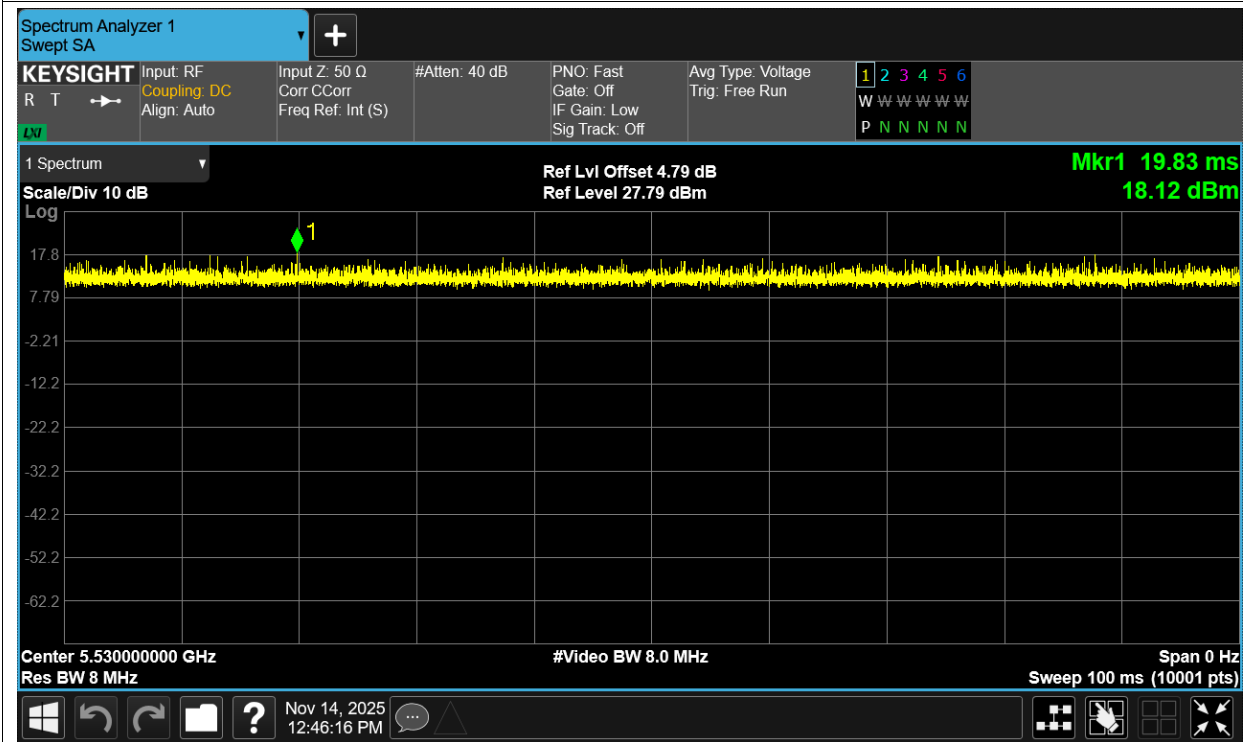
Duty Cycle NVNT ac40 5590MHz Ant1



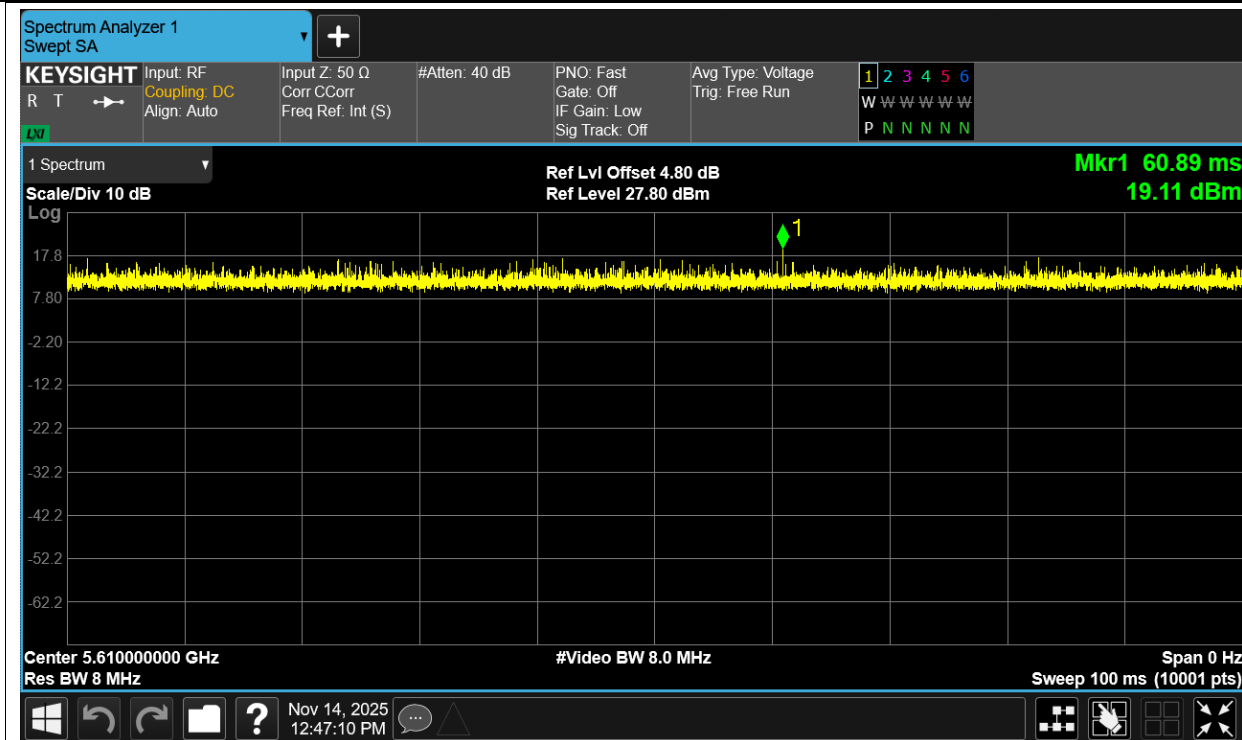
Duty Cycle NVNT ac40 5670MHz Ant1



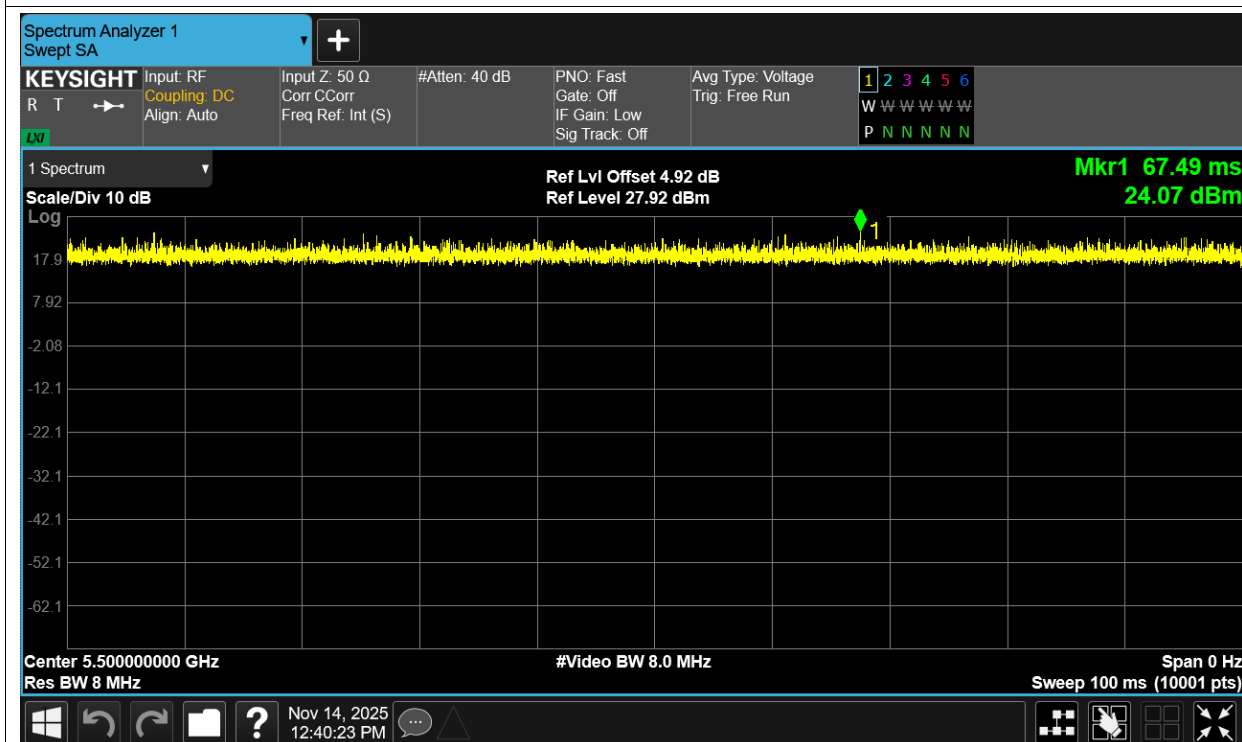
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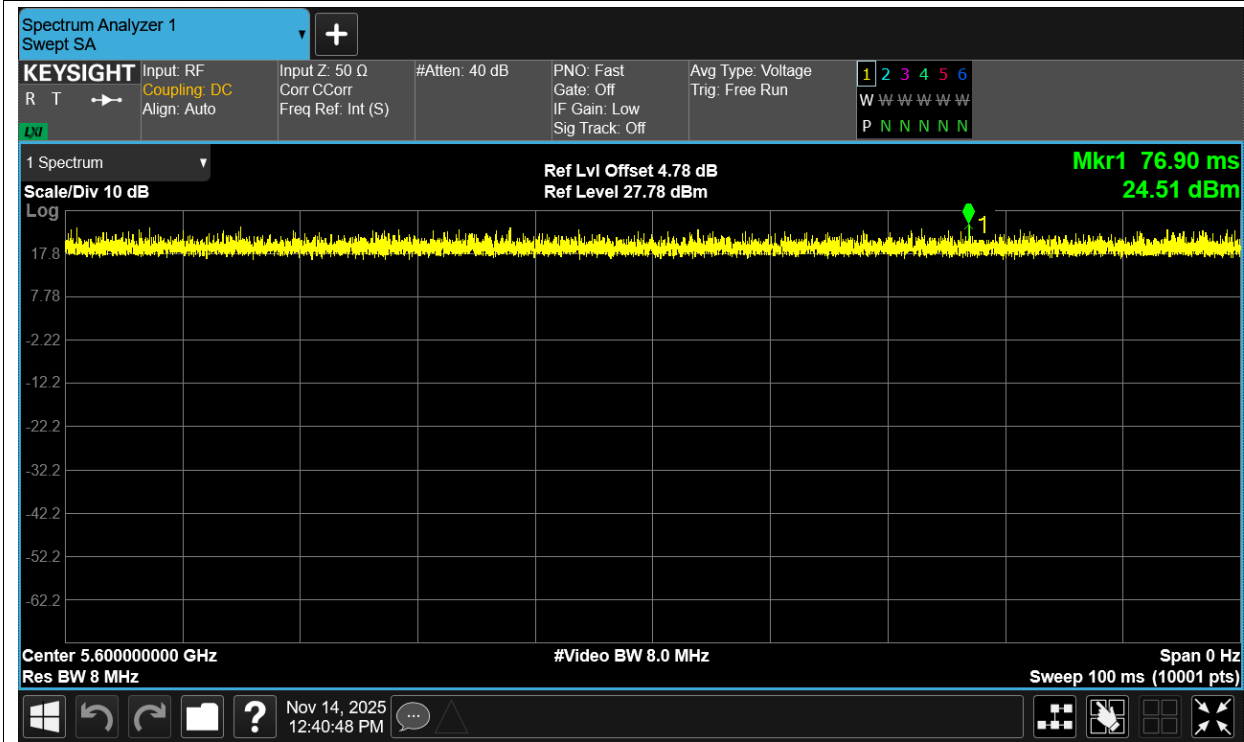
Duty Cycle NVNT ac80 5610MHz Ant1



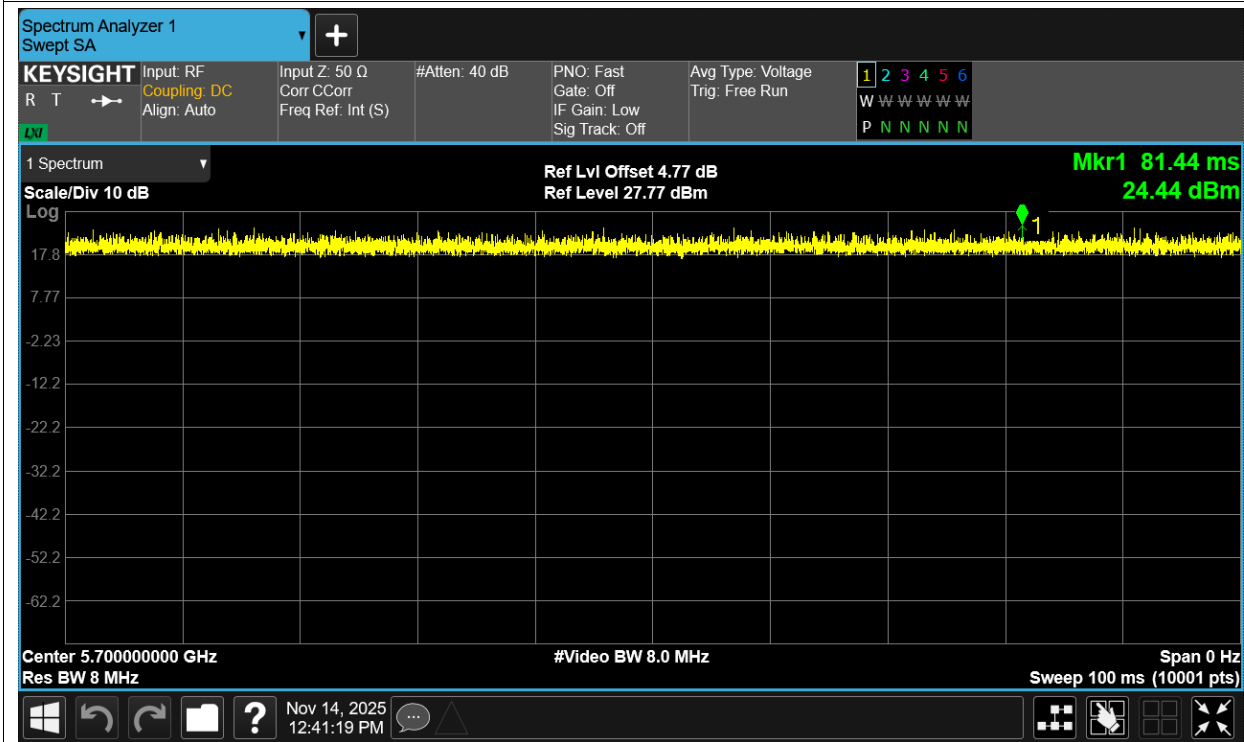
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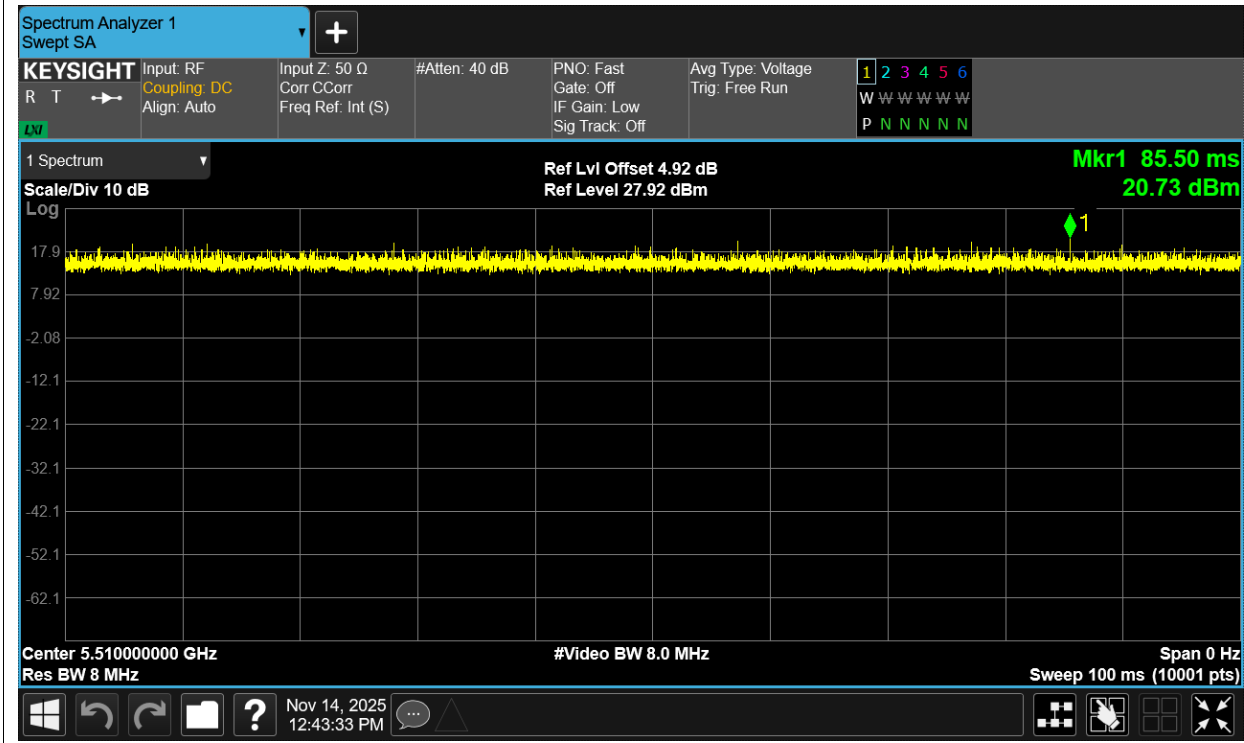
Duty Cycle NVNT n20 5600MHz Ant1



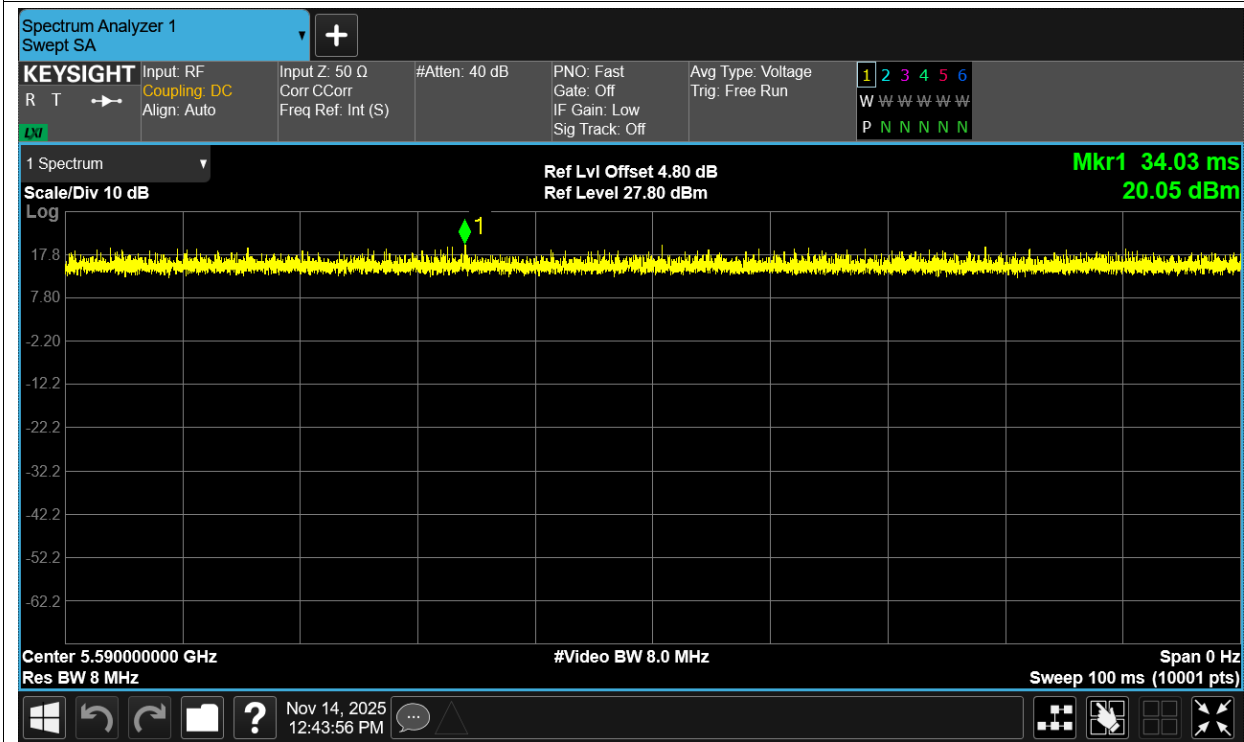
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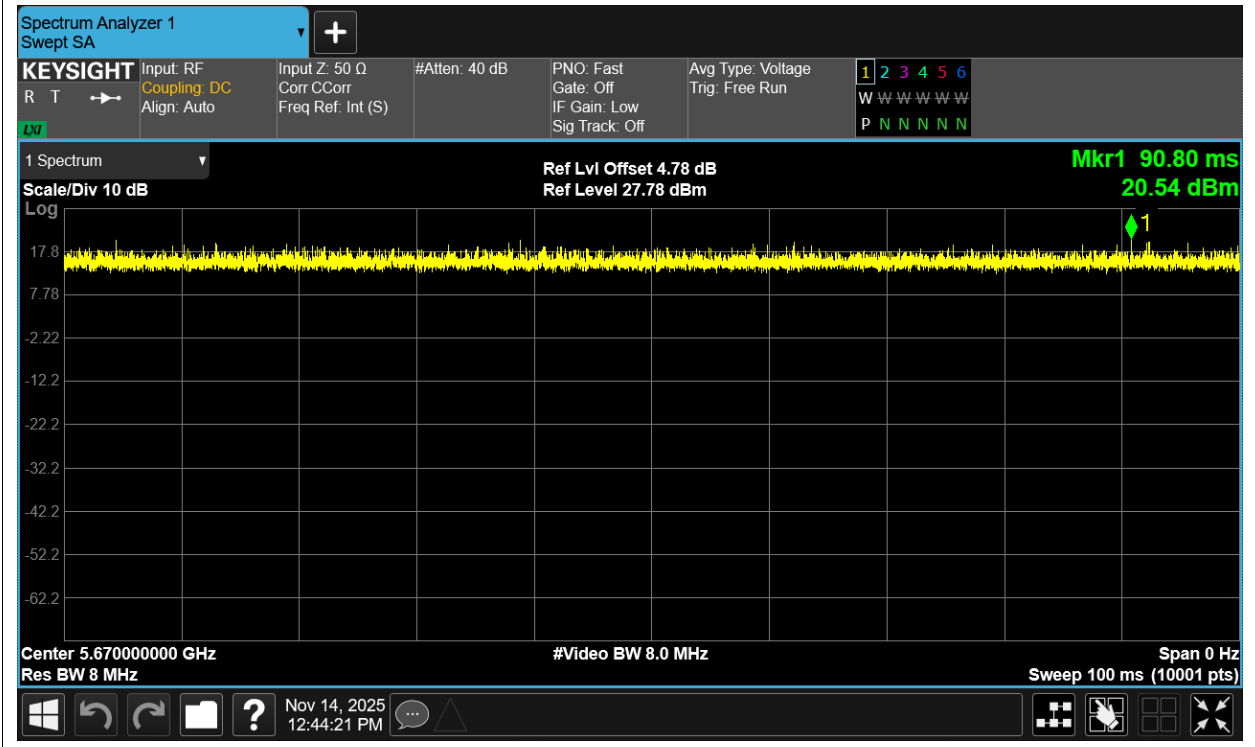
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1





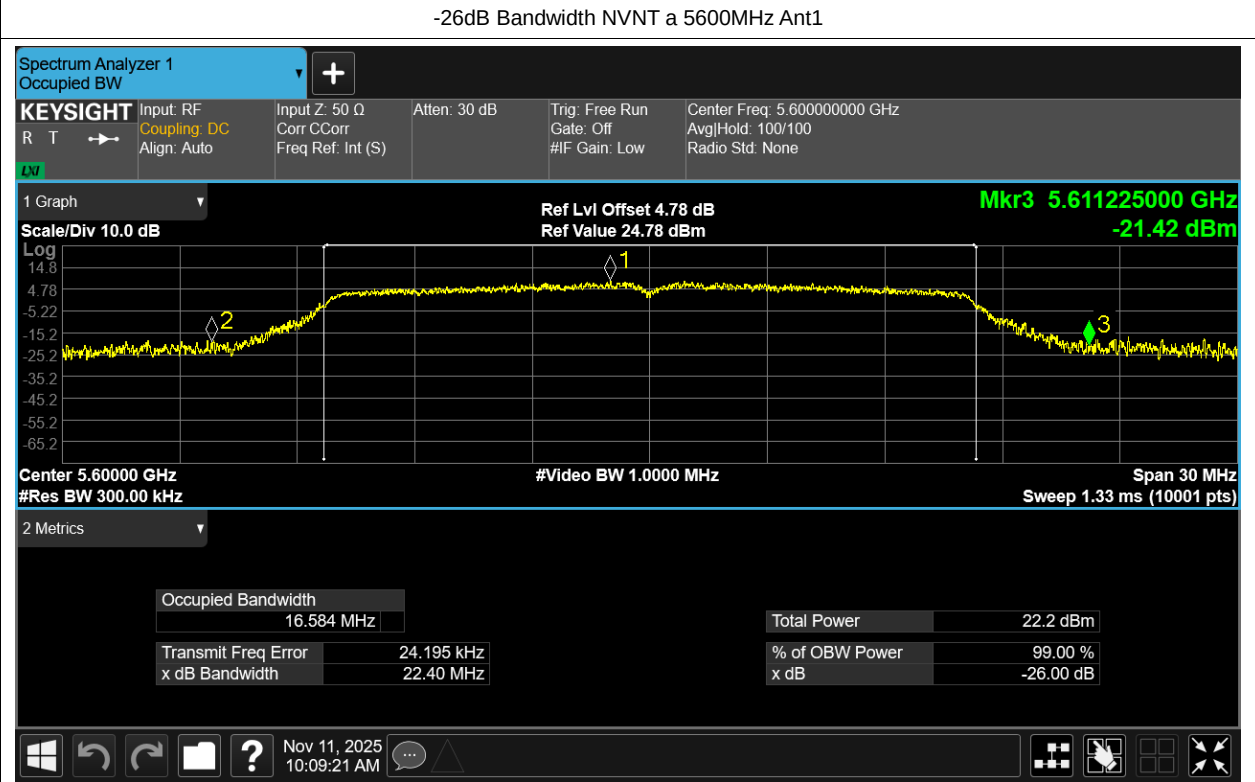
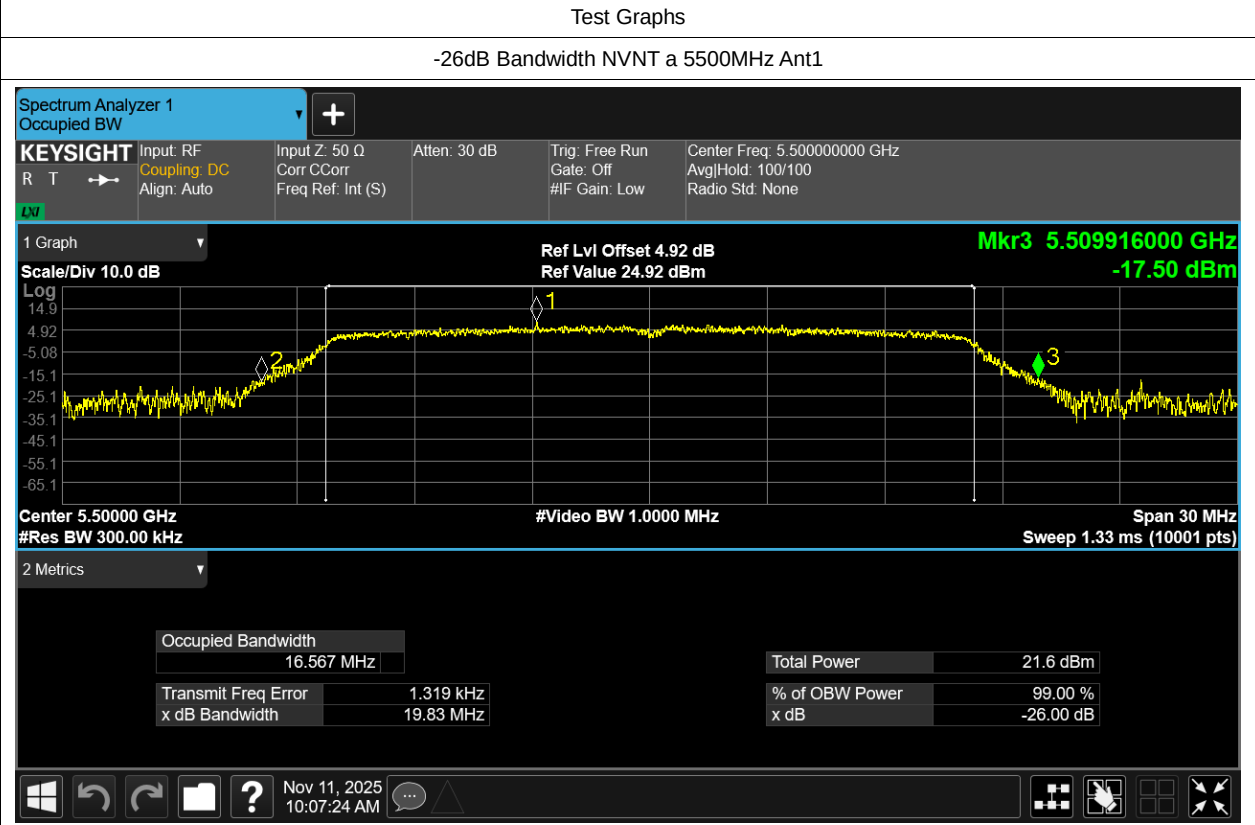
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	15.32	0	15.32	24	Pass
NVNT	a	5600	Ant1	14.44	0	14.44	24	Pass
NVNT	a	5700	Ant1	15.49	0	15.49	24	Pass
NVNT	ac20	5500	Ant1	14.56	0	14.56	24	Pass
NVNT	ac20	5600	Ant1	13.82	0	13.82	24	Pass
NVNT	ac20	5700	Ant1	14.68	0	14.68	24	Pass
NVNT	ac40	5510	Ant1	13.68	0	13.68	24	Pass
NVNT	ac40	5590	Ant1	12.97	0	12.97	24	Pass
NVNT	ac40	5670	Ant1	13.35	0	13.35	24	Pass
NVNT	ac80	5530	Ant1	13.61	0	13.61	24	Pass
NVNT	ac80	5610	Ant1	12.97	0	12.97	24	Pass
NVNT	n20	5500	Ant1	14.85	0	14.85	24	Pass
NVNT	n20	5600	Ant1	13.86	0	13.86	24	Pass
NVNT	n20	5700	Ant1	14.65	0	14.65	24	Pass
NVNT	n40	5510	Ant1	13.48	0	13.48	24	Pass
NVNT	n40	5590	Ant1	13.01	0	13.01	24	Pass
NVNT	n40	5670	Ant1	13.39	0	13.39	24	Pass

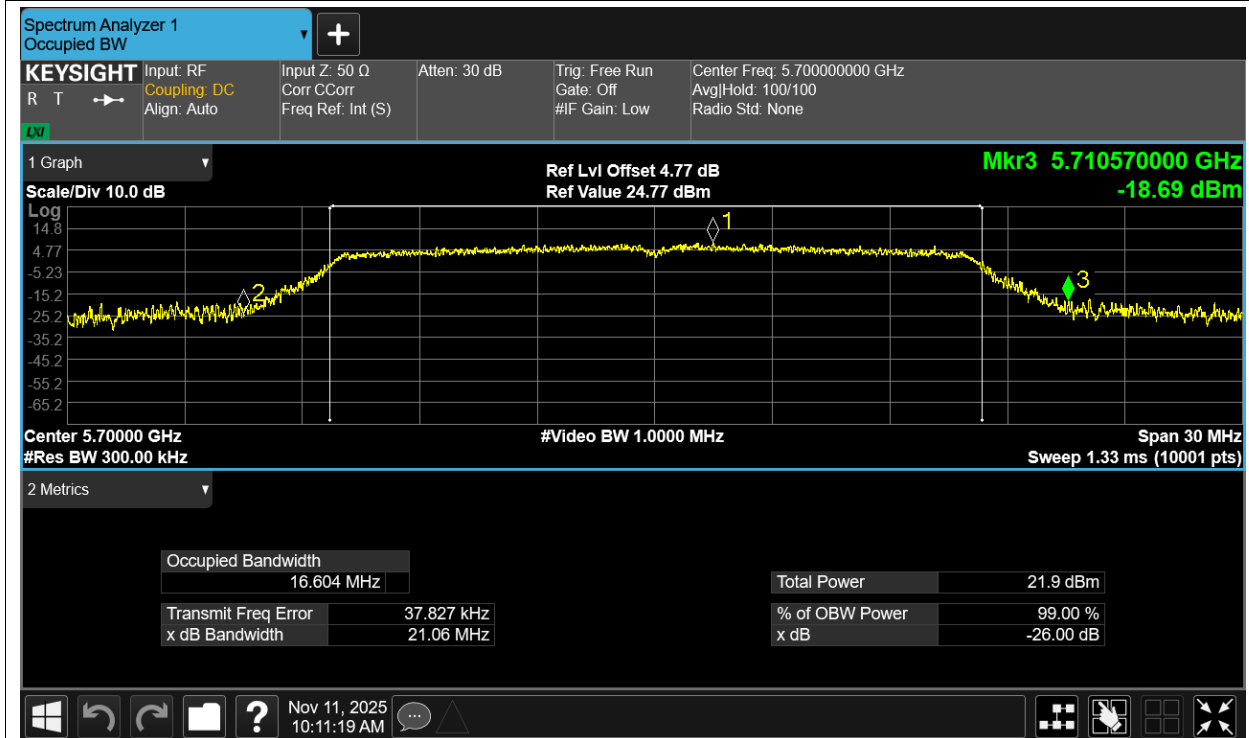


-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	19.828
NVNT	a	5600	Ant1	22.403
NVNT	a	5700	Ant1	21.064
NVNT	ac20	5500	Ant1	20.37
NVNT	ac20	5600	Ant1	20.333
NVNT	ac20	5700	Ant1	20.535
NVNT	ac40	5510	Ant1	40.585
NVNT	ac40	5590	Ant1	40.632
NVNT	ac40	5670	Ant1	40.466
NVNT	ac80	5530	Ant1	80.279
NVNT	ac80	5610	Ant1	80.385
NVNT	n20	5500	Ant1	20.246
NVNT	n20	5600	Ant1	21.569
NVNT	n20	5700	Ant1	23.389
NVNT	n40	5510	Ant1	40.995
NVNT	n40	5590	Ant1	41.419
NVNT	n40	5670	Ant1	40.003



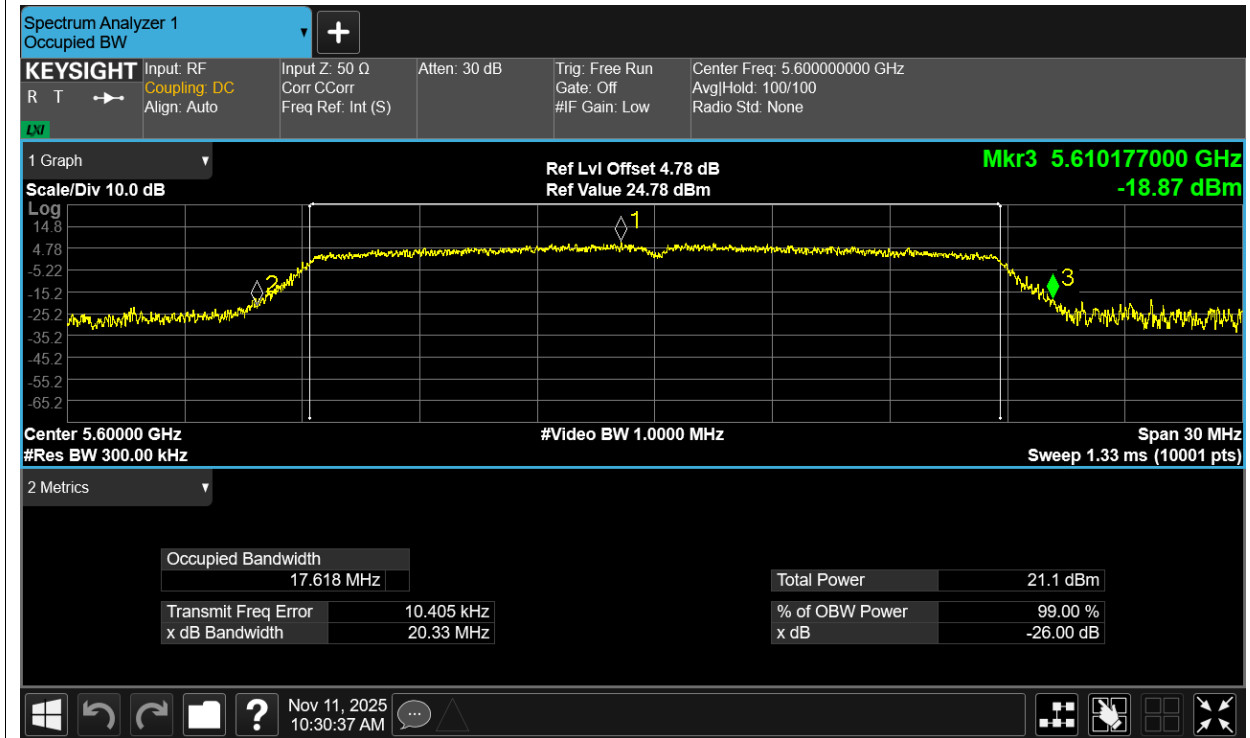
-26dB Bandwidth NVNT a 5700MHz Ant1



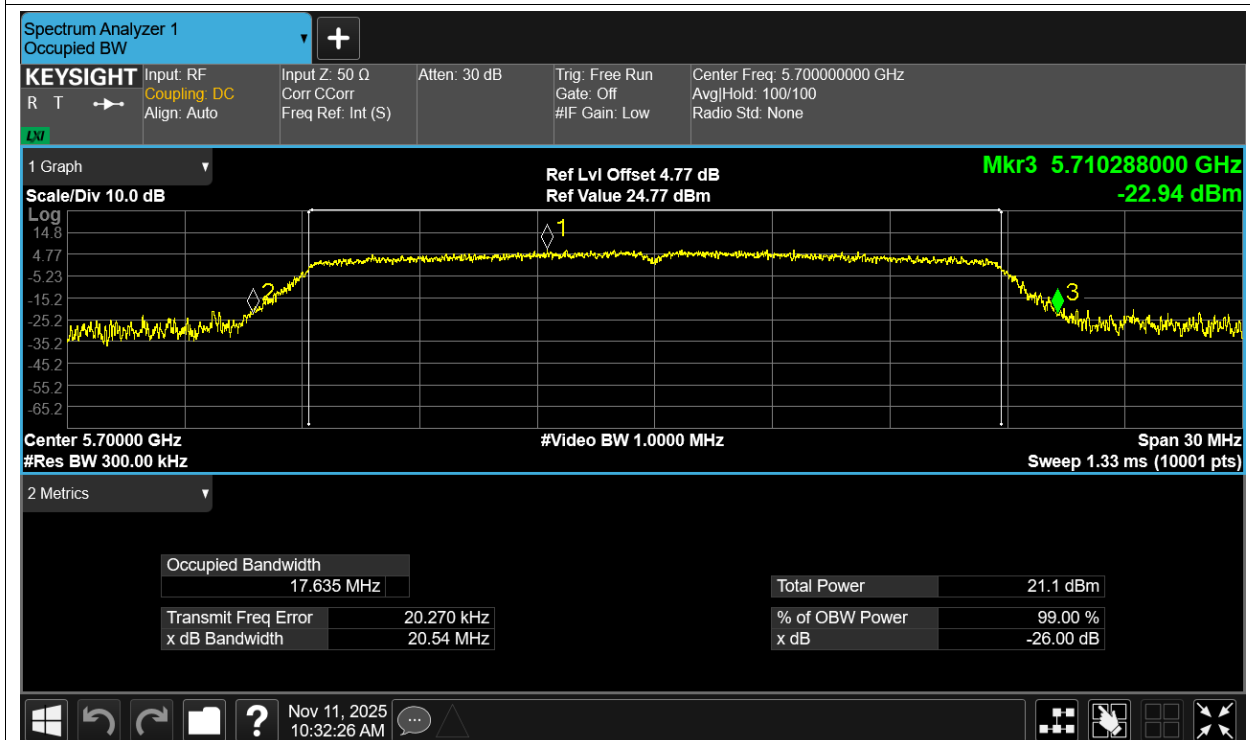
-26dB Bandwidth NVNT ac20 5500MHz Ant1



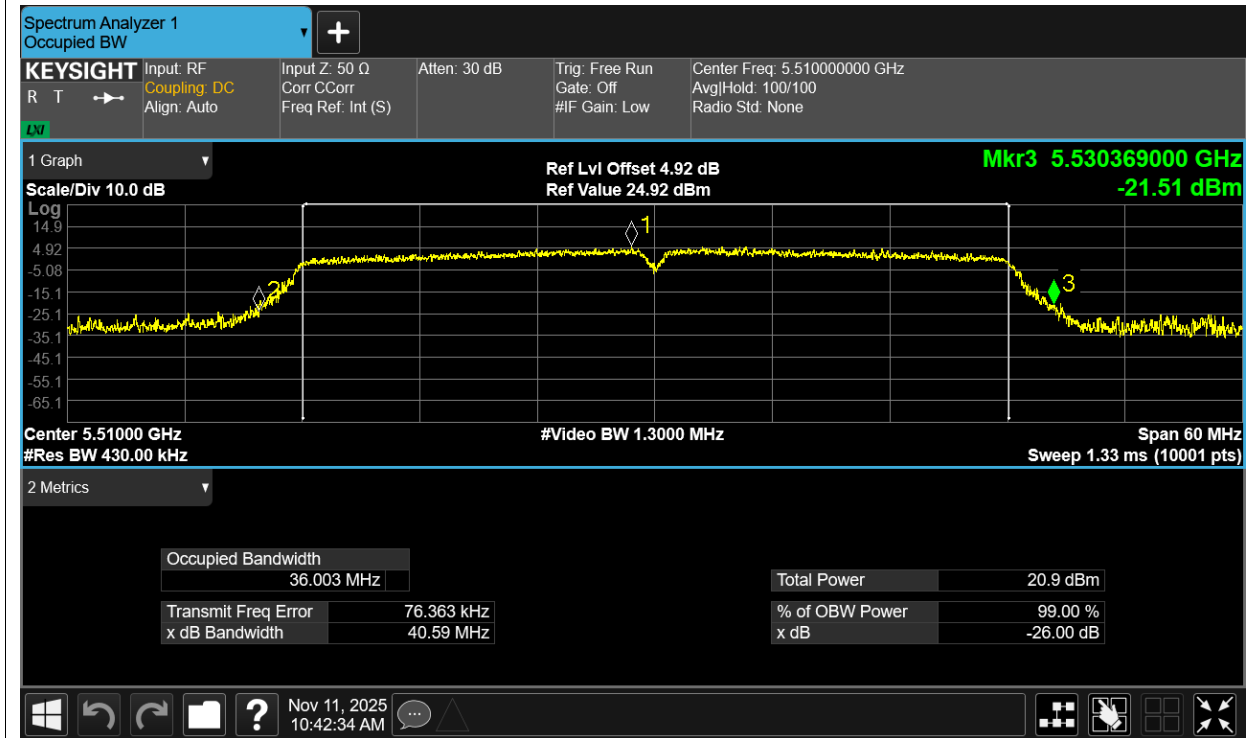
-26dB Bandwidth NVNT ac20 5600MHz Ant1



-26dB Bandwidth NVNT ac20 5700MHz Ant1



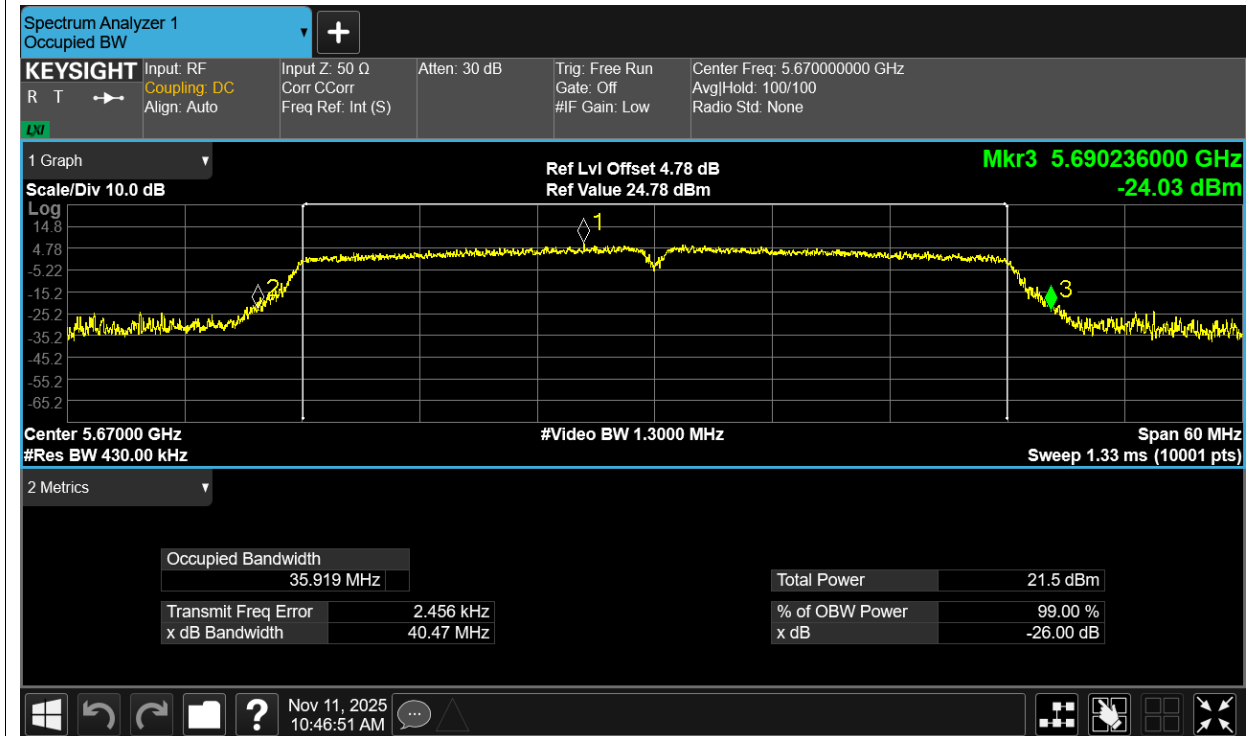
-26dB Bandwidth NVNT ac40 5510MHz Ant1



-26dB Bandwidth NVNT ac40 5590MHz Ant1



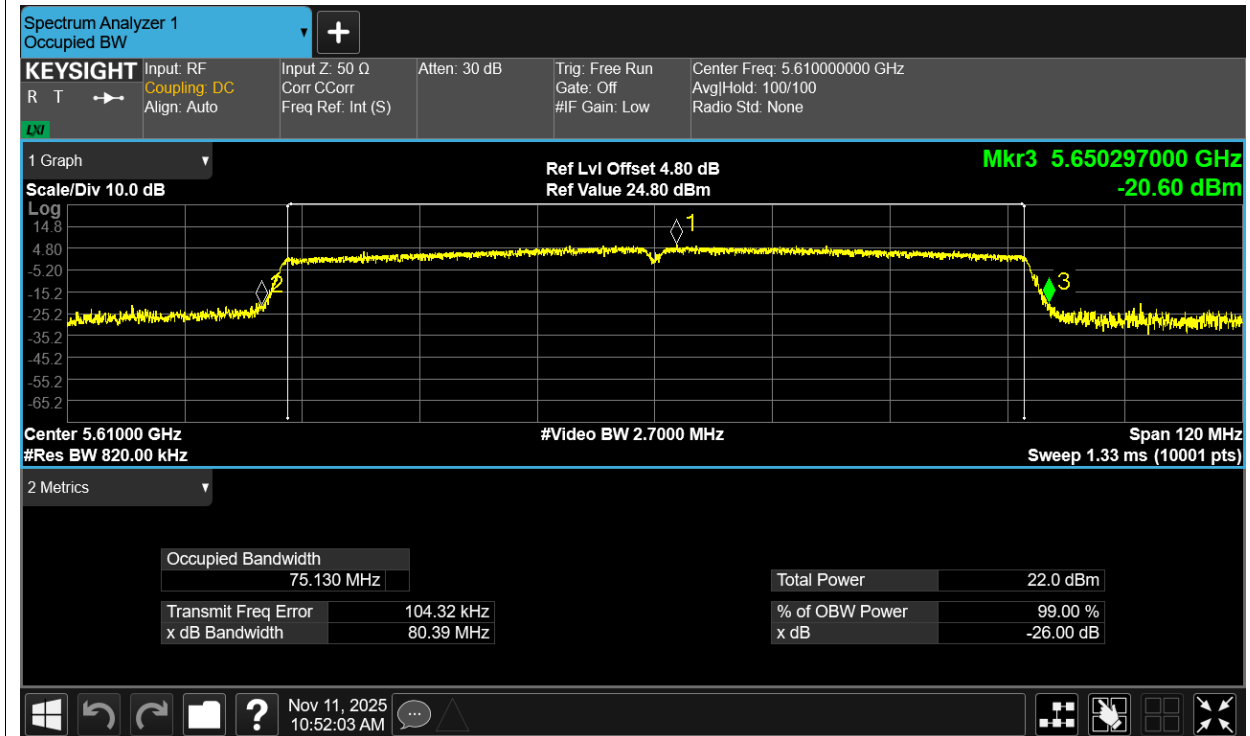
-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1



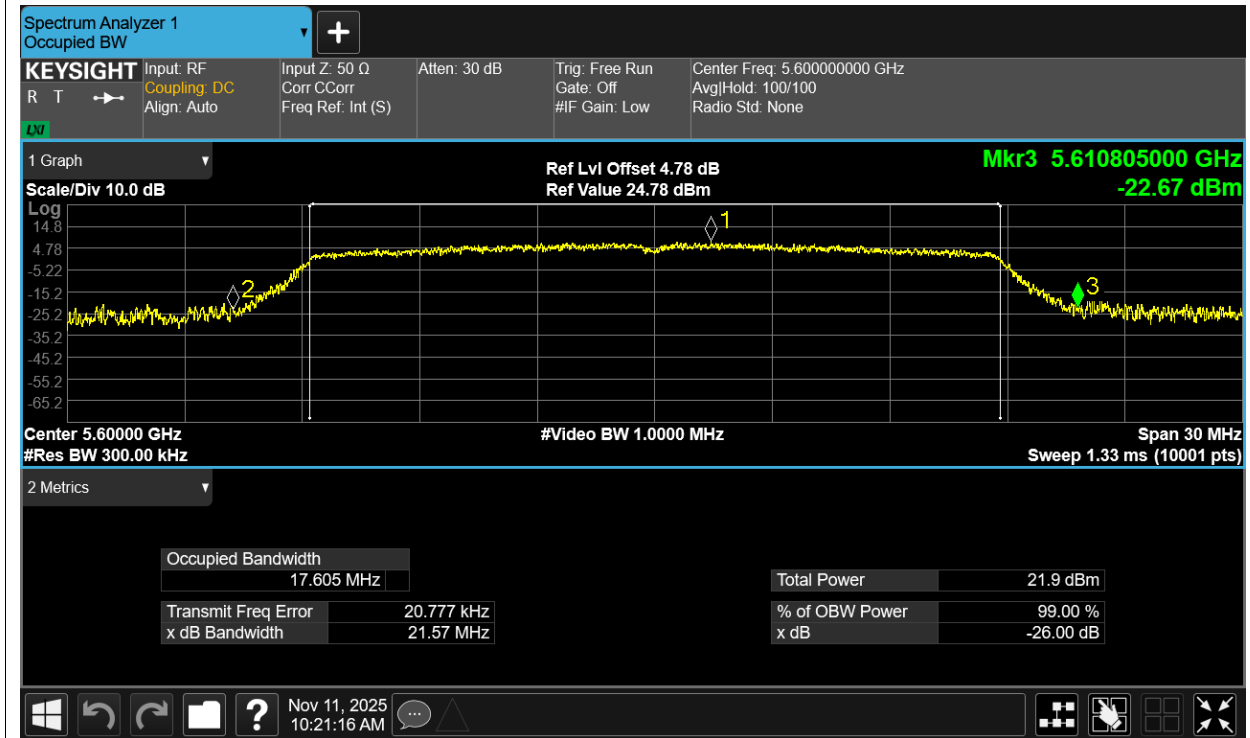
-26dB Bandwidth NVNT ac80 5610MHz Ant1



-26dB Bandwidth NVNT n20 5500MHz Ant1



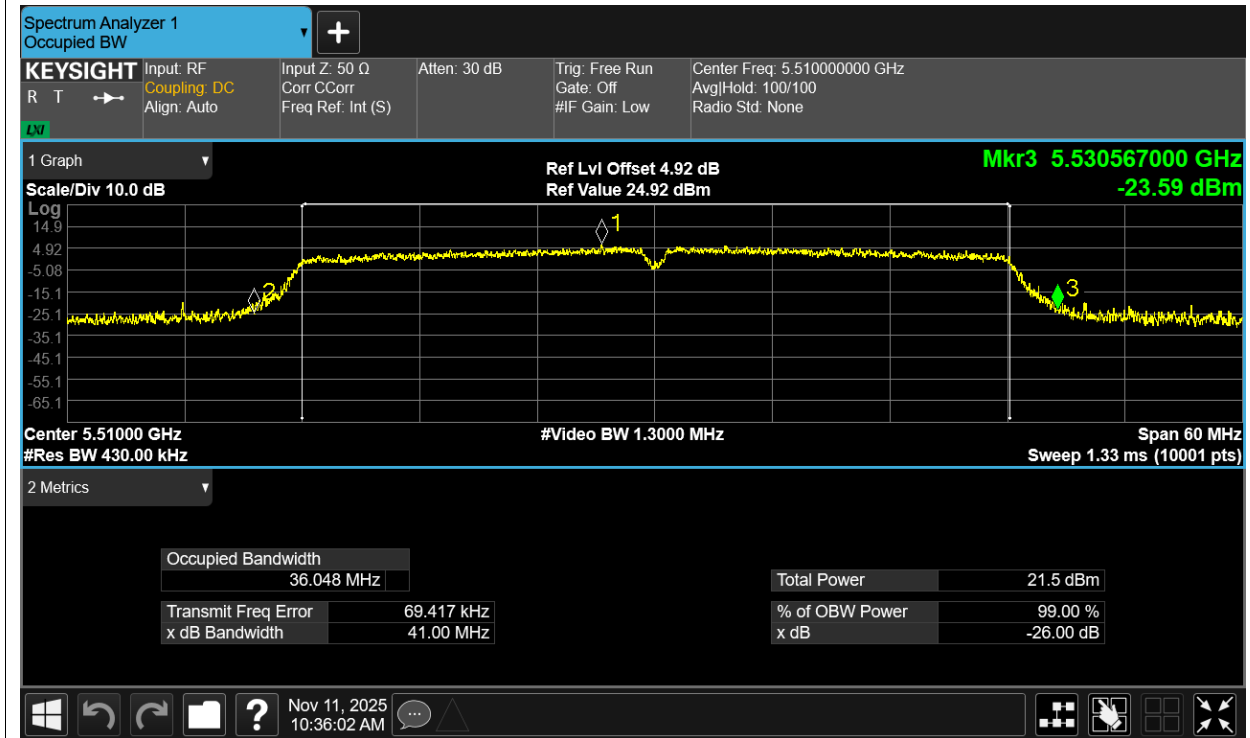
-26dB Bandwidth NVNT n20 5600MHz Ant1



-26dB Bandwidth NVNT n20 5700MHz Ant1



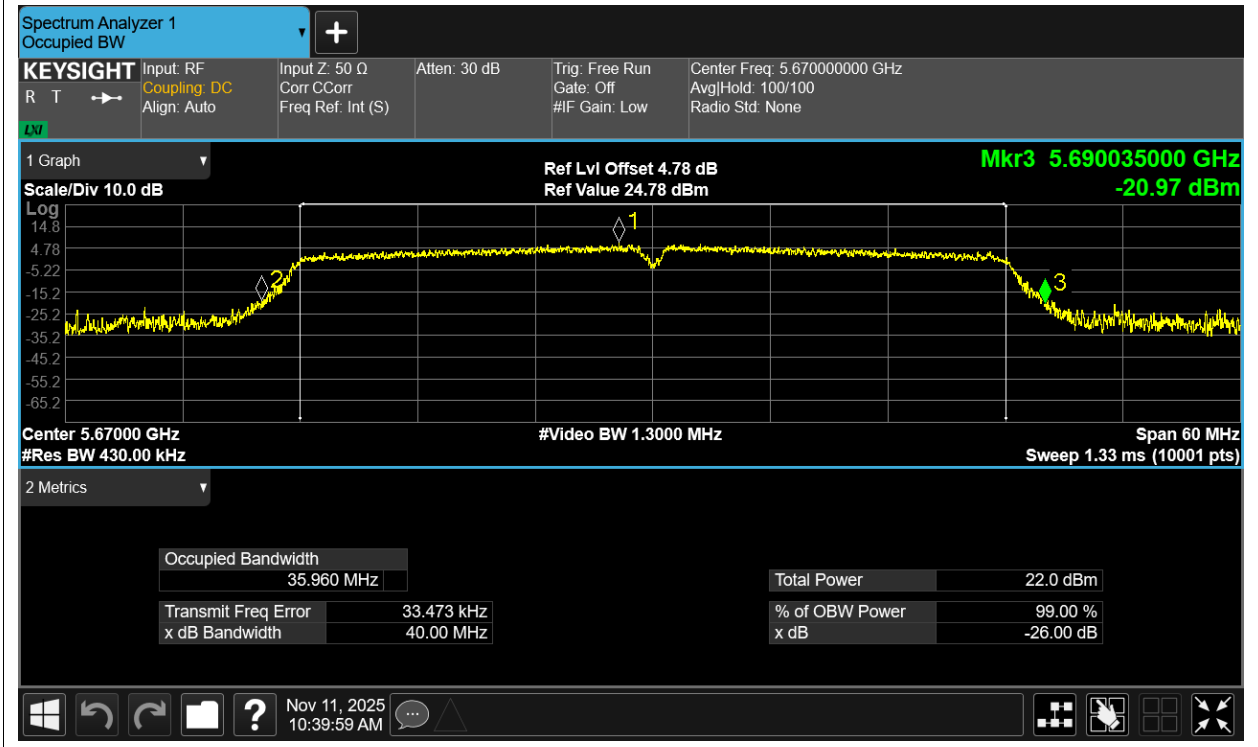
-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



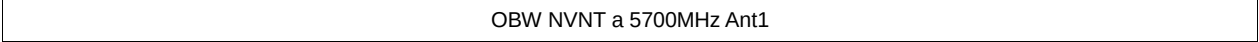
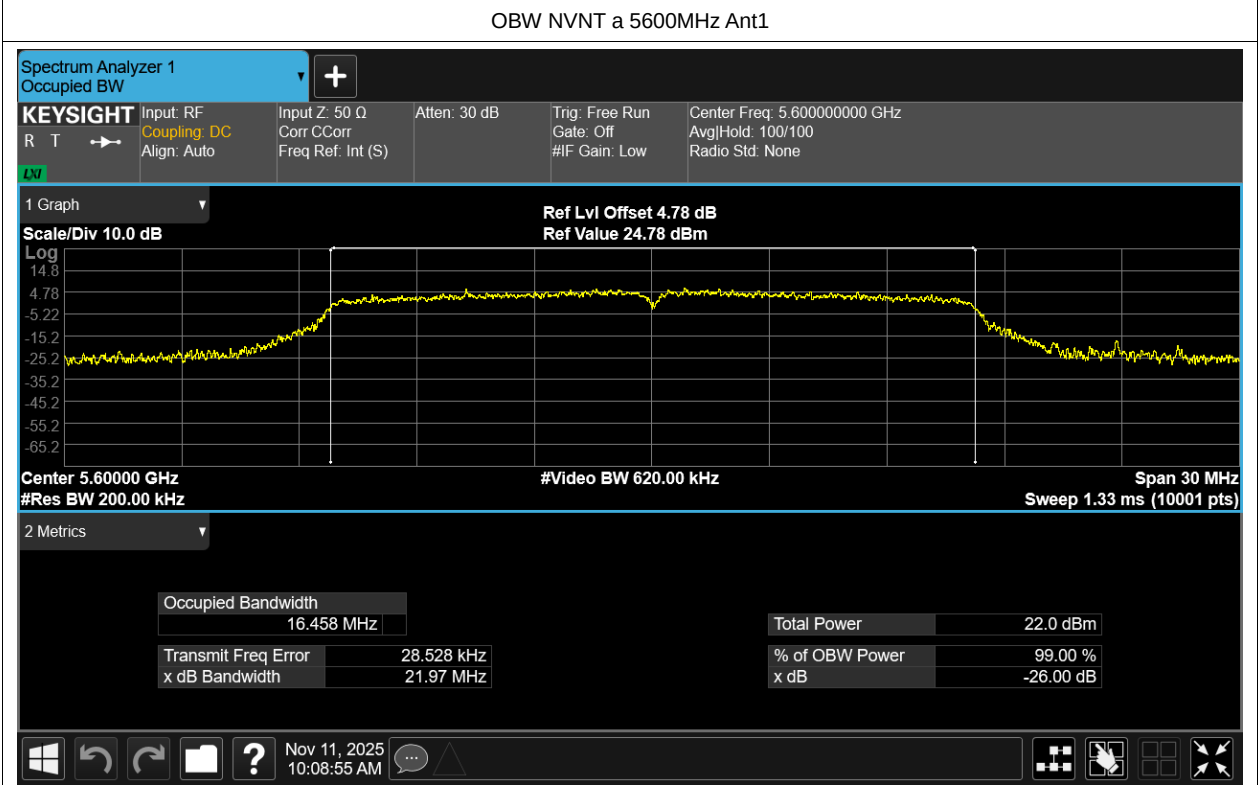
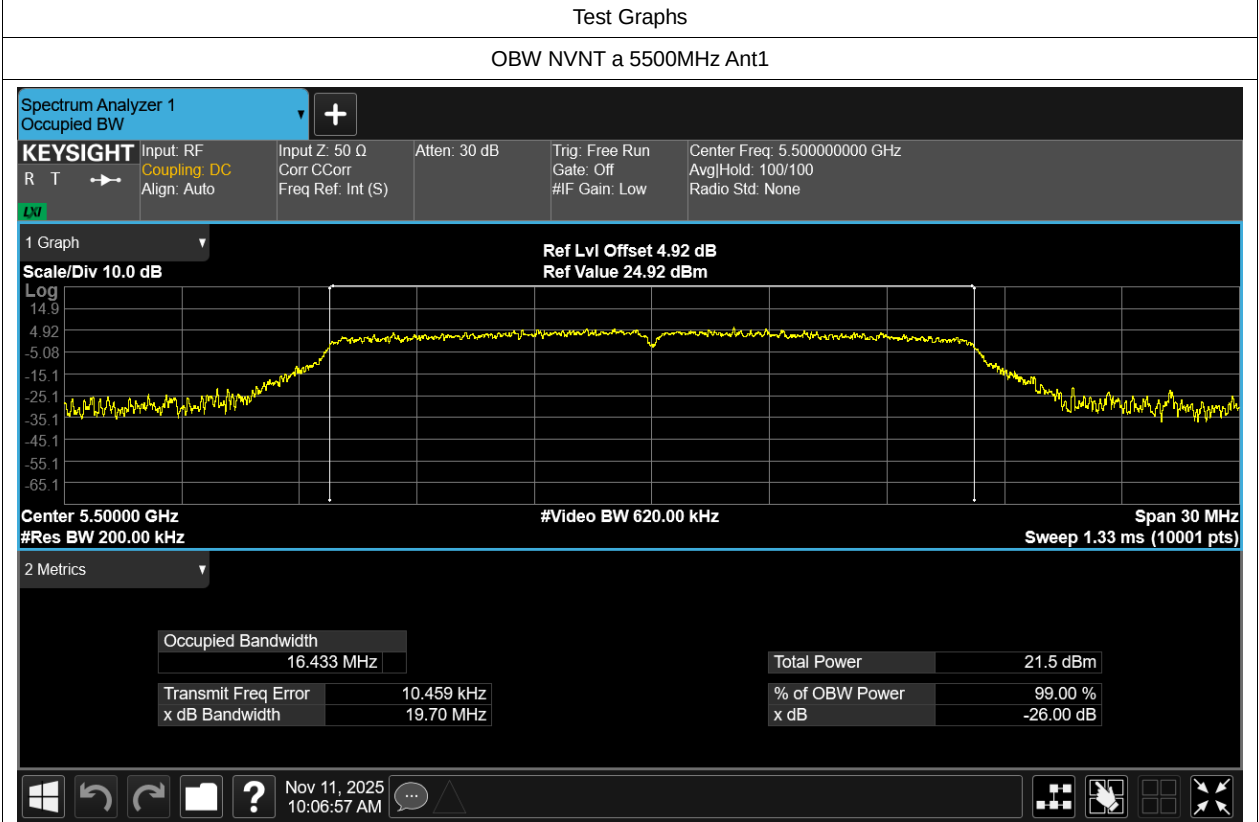
-26dB Bandwidth NVNT n40 5670MHz Ant1

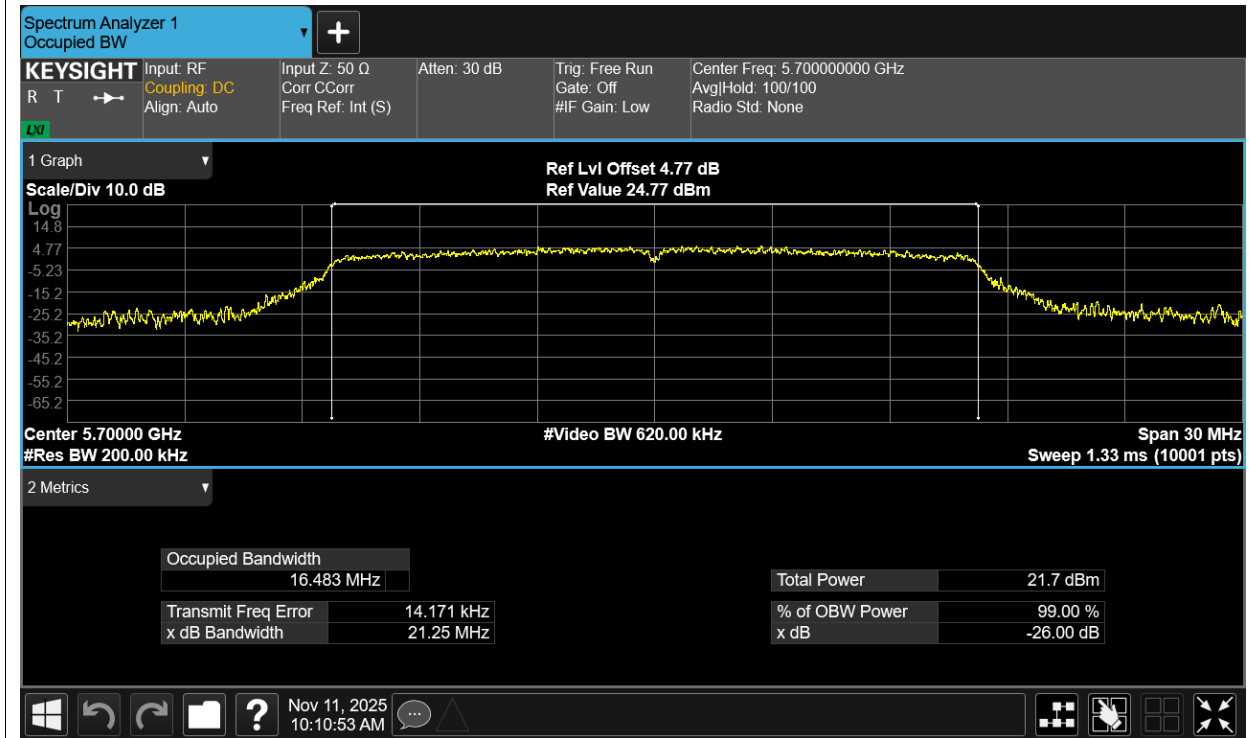




Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.433
NVNT	a	5600	Ant1	16.458
NVNT	a	5700	Ant1	16.483
NVNT	ac20	5500	Ant1	17.587
NVNT	ac20	5600	Ant1	17.551
NVNT	ac20	5700	Ant1	17.553
NVNT	ac40	5510	Ant1	35.982
NVNT	ac40	5590	Ant1	36.039
NVNT	ac40	5670	Ant1	35.967
NVNT	ac80	5530	Ant1	75.073
NVNT	ac80	5610	Ant1	75.132
NVNT	n20	5500	Ant1	17.553
NVNT	n20	5600	Ant1	17.572
NVNT	n20	5700	Ant1	17.595
NVNT	n40	5510	Ant1	36.073
NVNT	n40	5590	Ant1	36.008
NVNT	n40	5670	Ant1	35.941

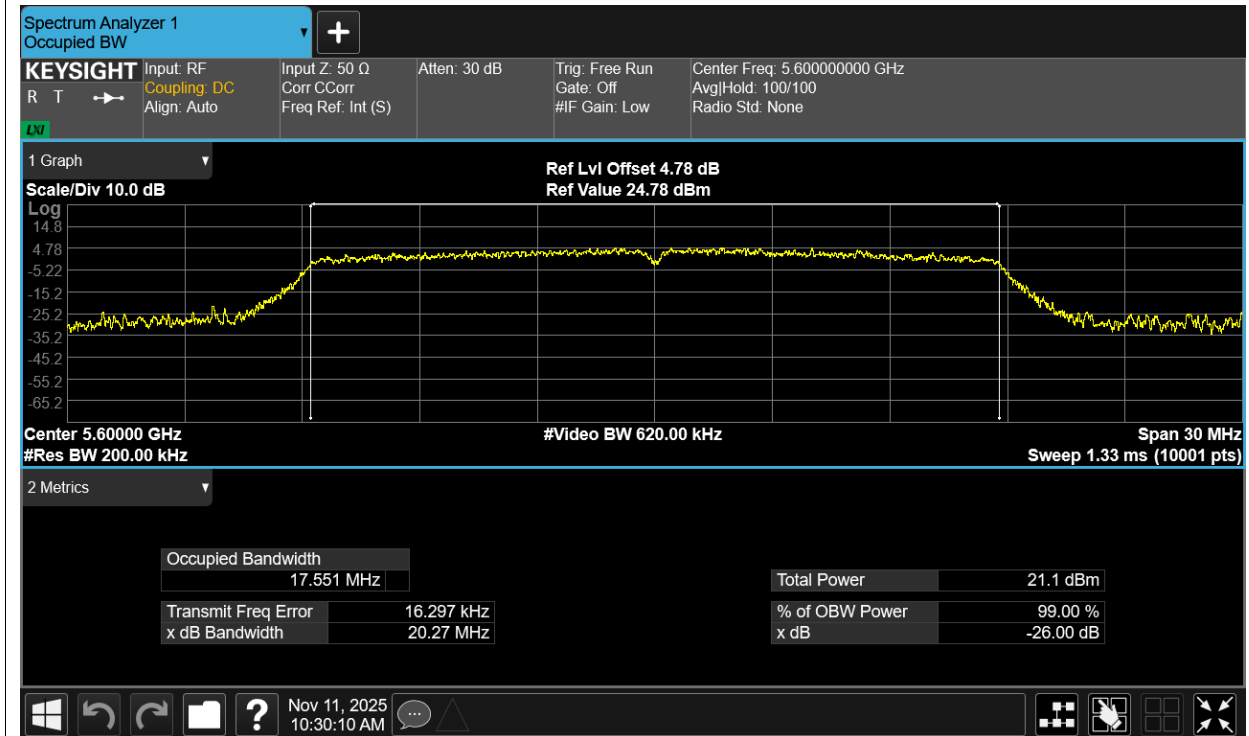




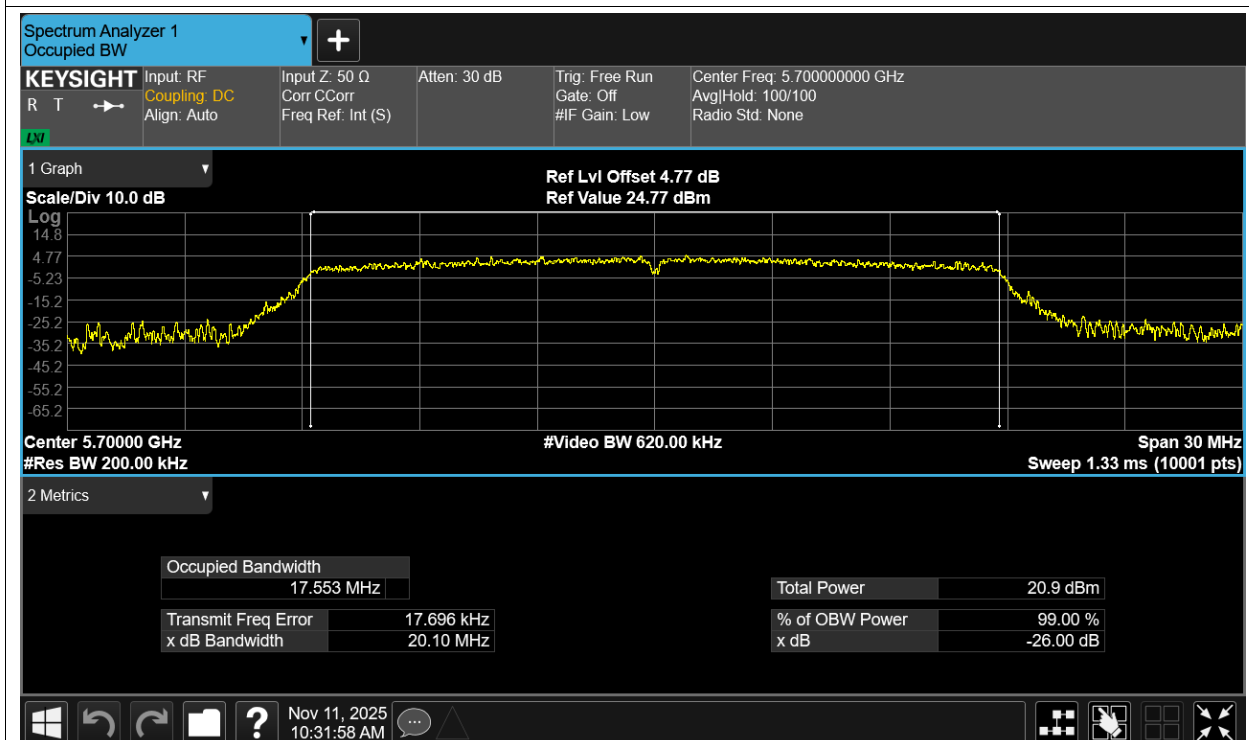
OBW NVNT ac20 5500MHz Ant1



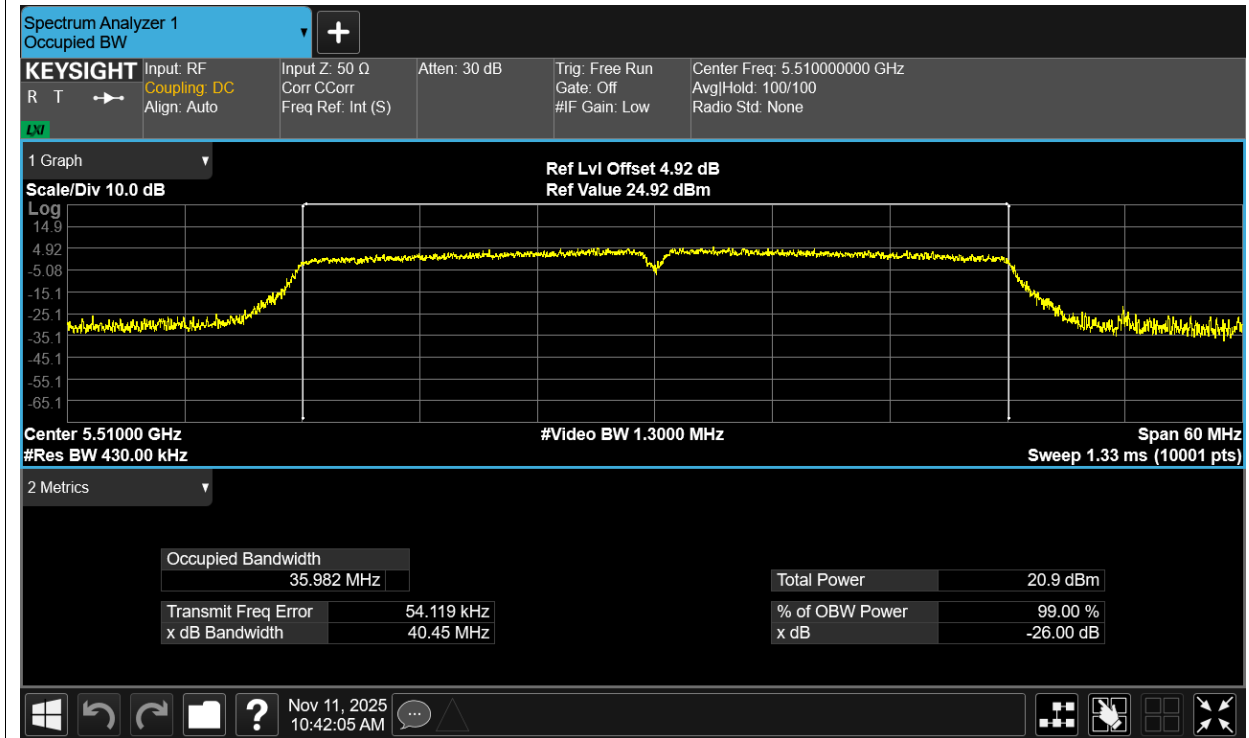
OBW NVNT ac20 5600MHz Ant1



OBW NVNT ac20 5700MHz Ant1



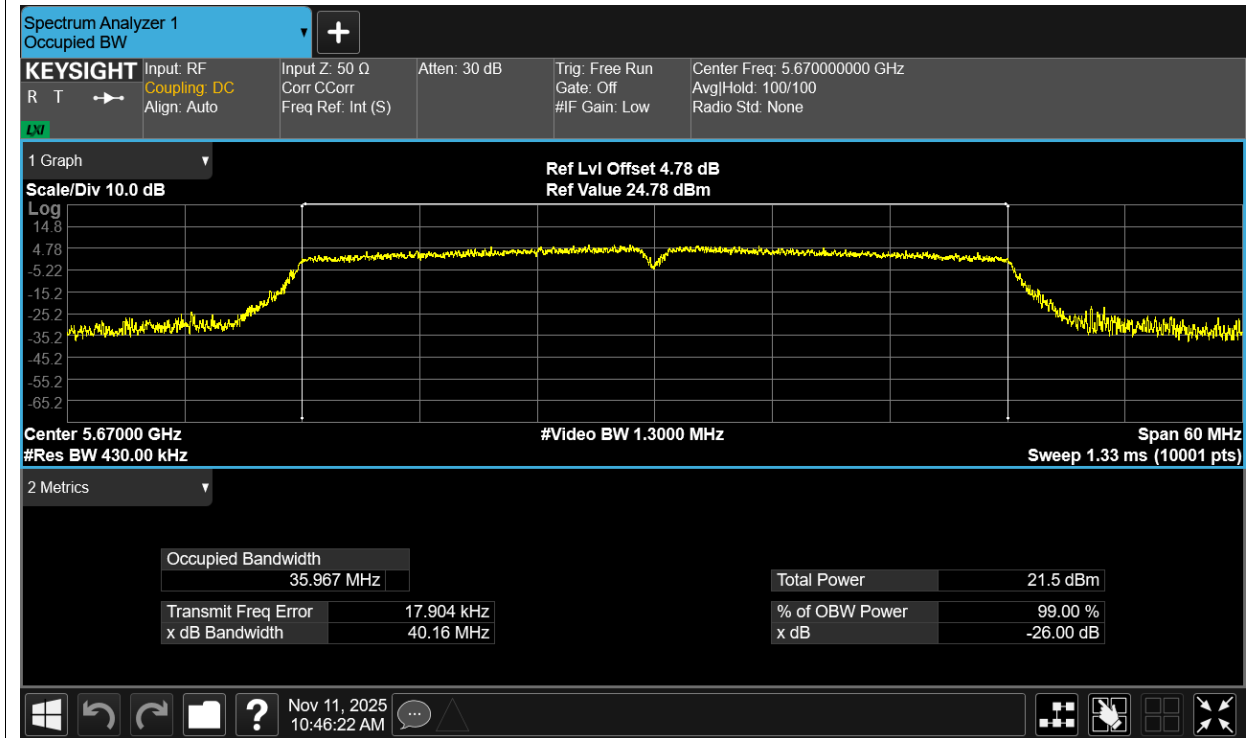
OBW NVNT ac40 5510MHz Ant1



OBW NVNT ac40 5590MHz Ant1



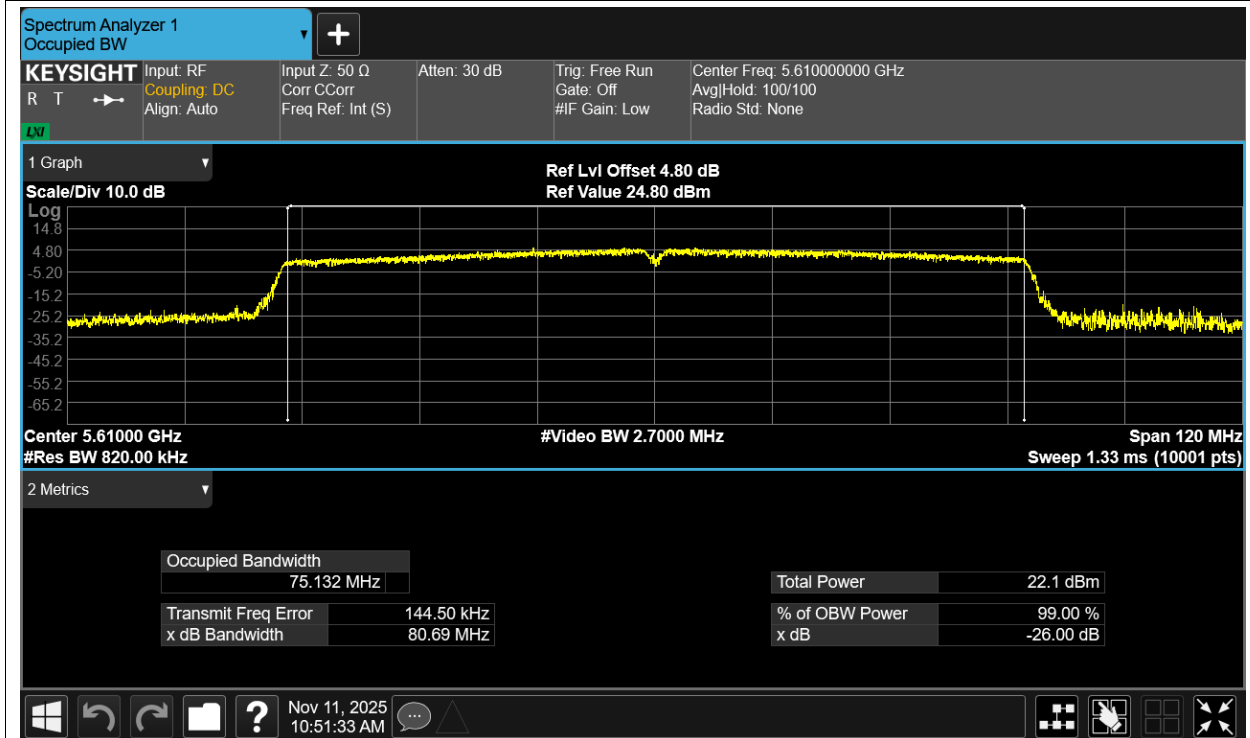
OBW NVNT ac40 5670MHz Ant1



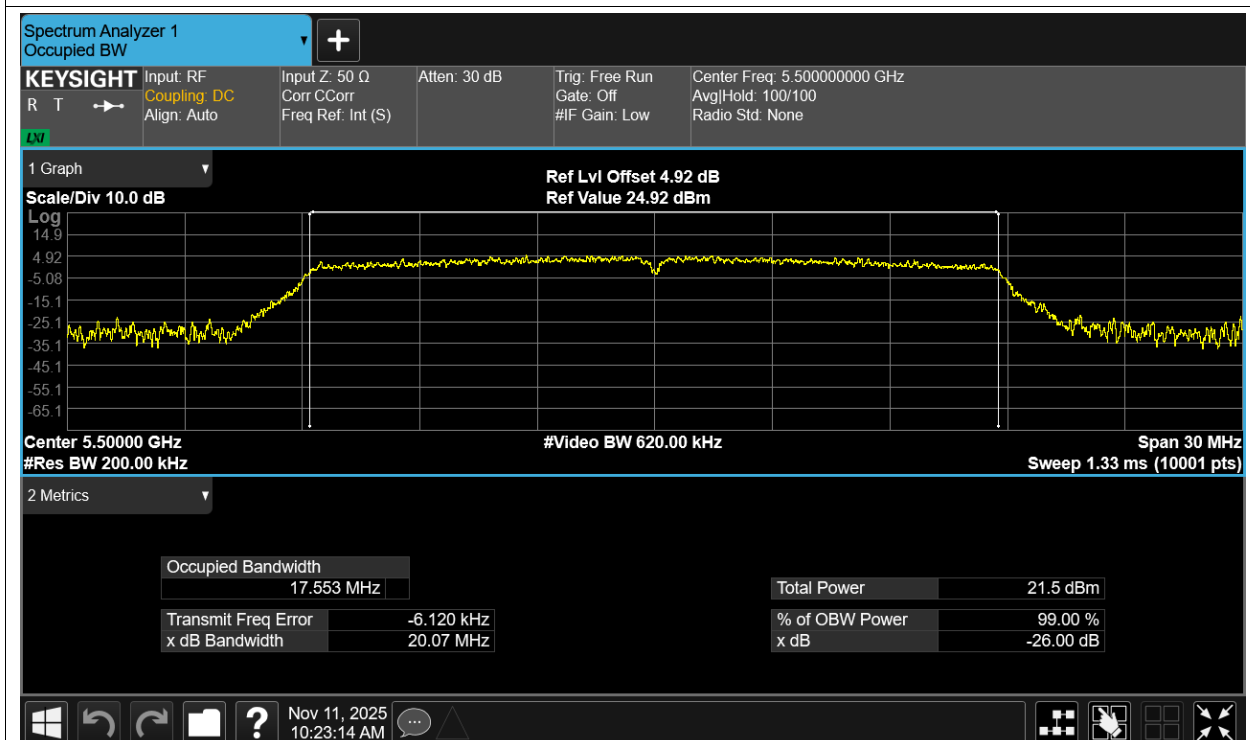
OBW NVNT ac80 5530MHz Ant1



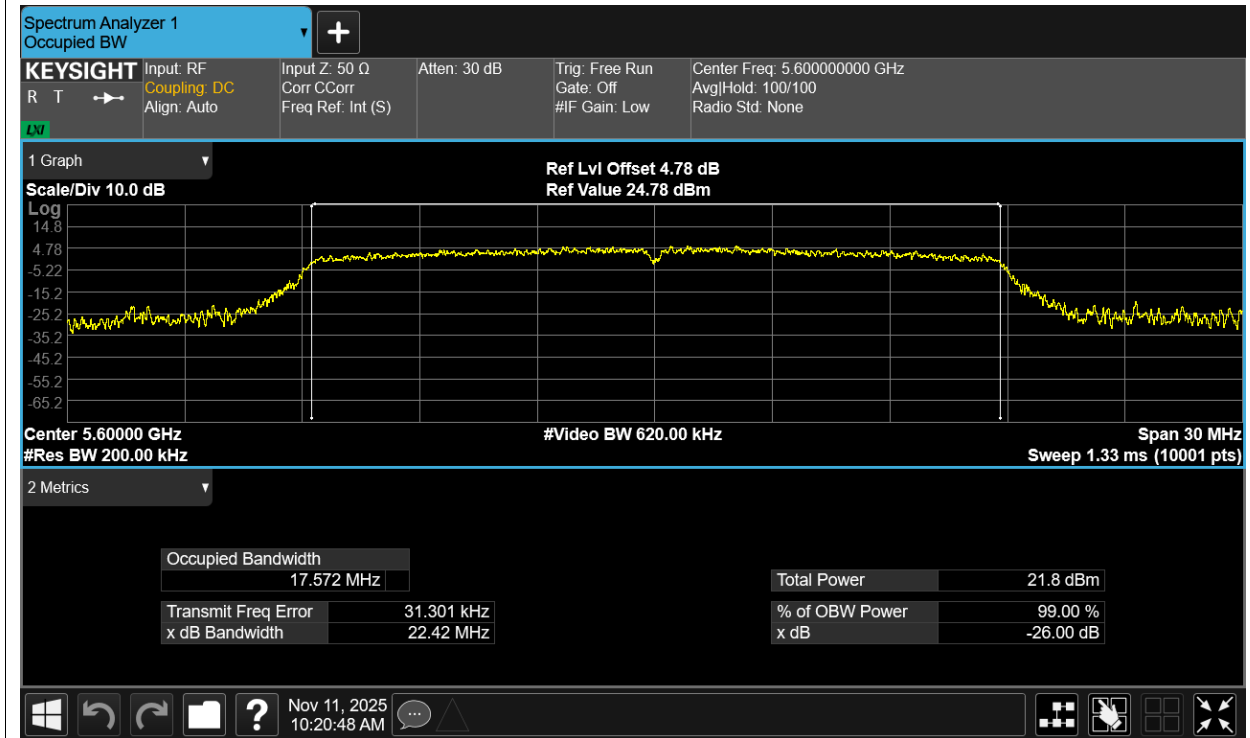
OBW NVNT ac80 5610MHz Ant1



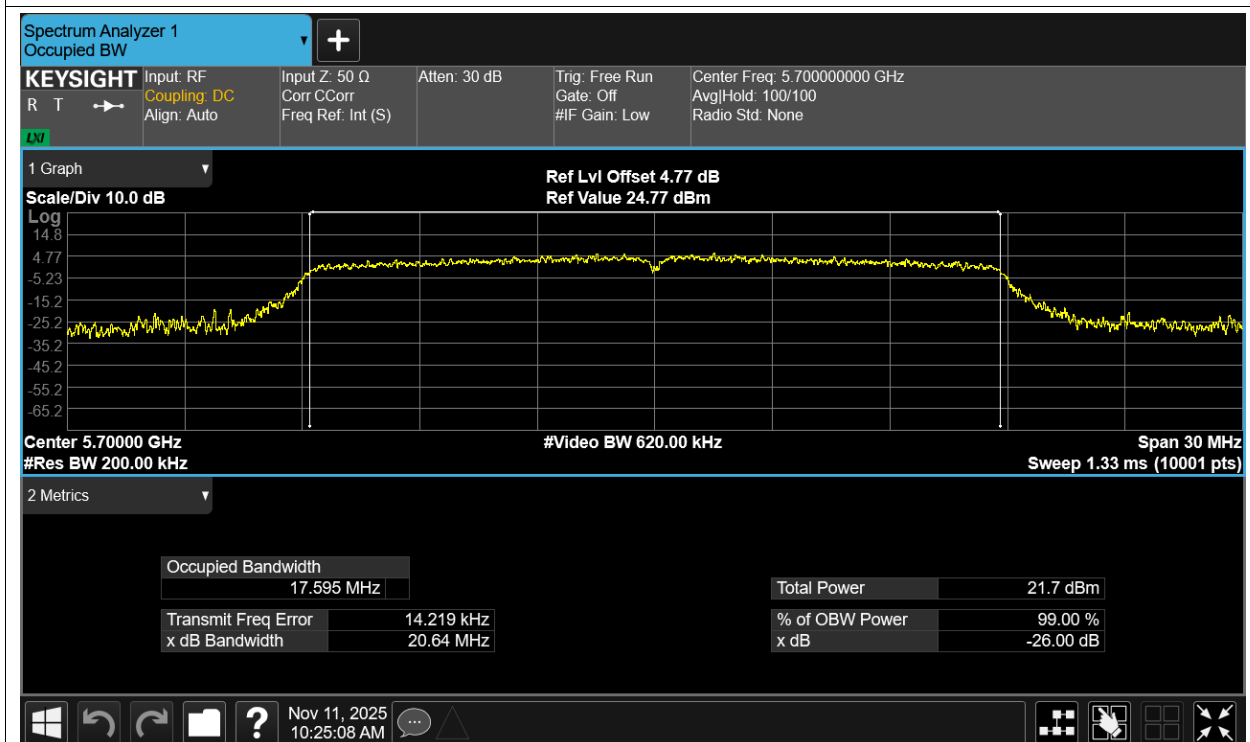
OBW NVNT n20 5500MHz Ant1



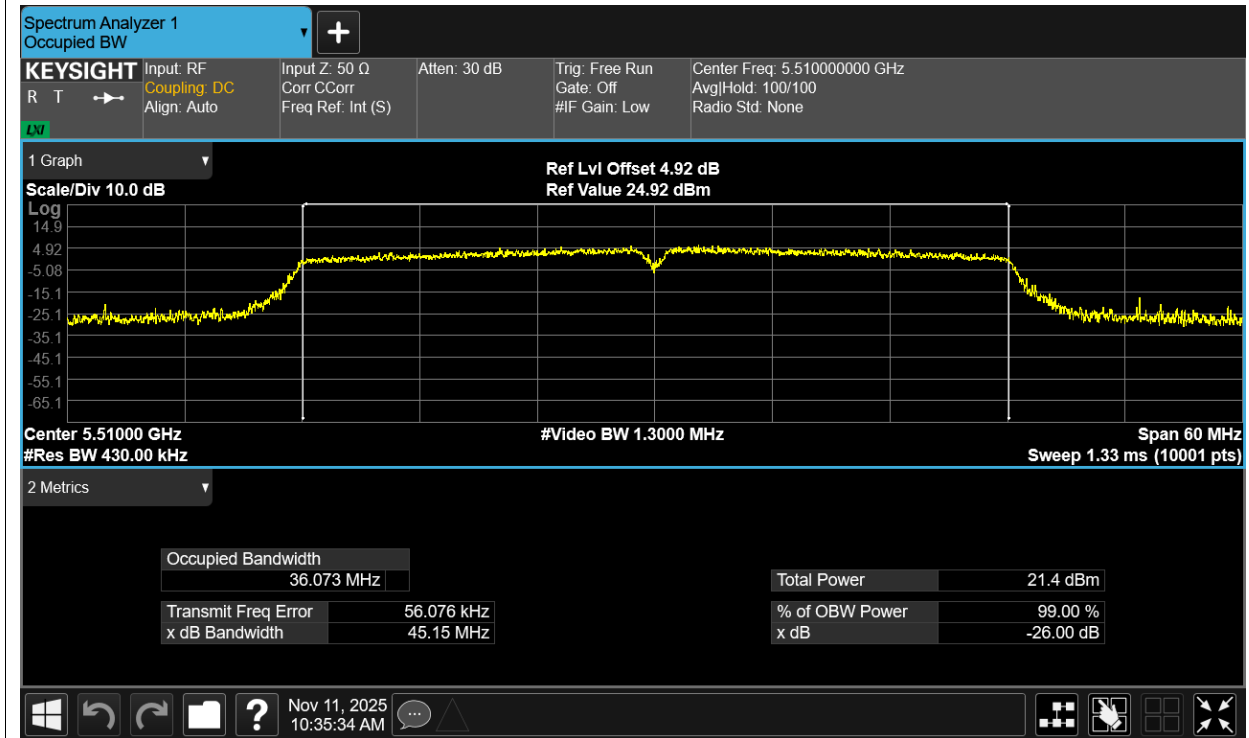
OBW NVNT n20 5600MHz Ant1



OBW NVNT n20 5700MHz Ant1



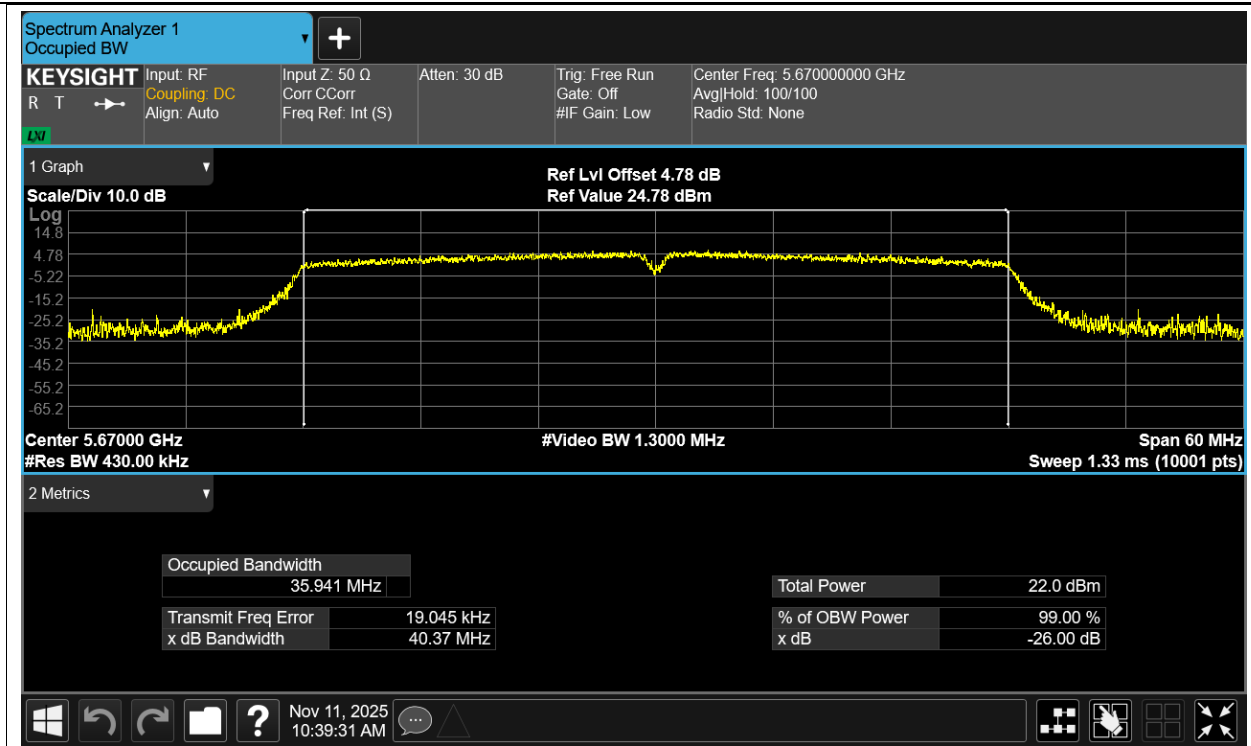
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1





Maximum Power Spectral Density Level

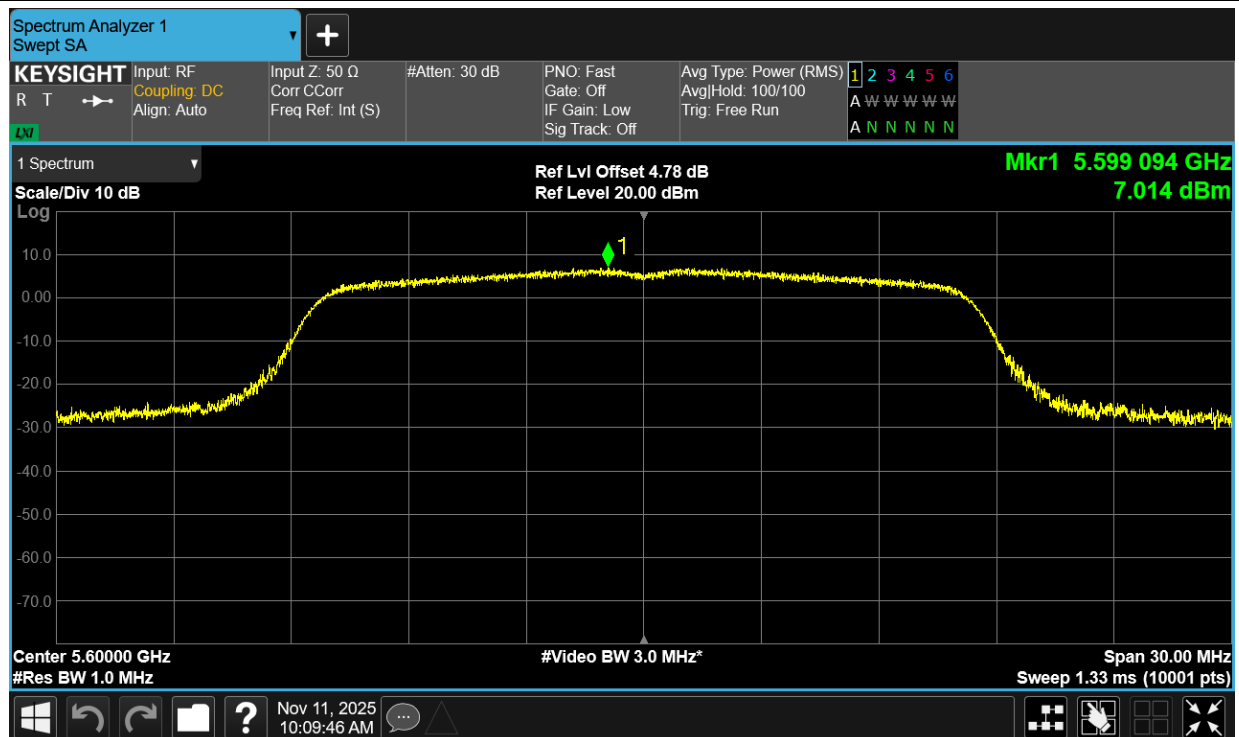
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	6.453	11	Pass
NVNT	a	5600	Ant1	7.014	11	Pass
NVNT	a	5700	Ant1	6.75	11	Pass
NVNT	ac20	5500	Ant1	5.722	11	Pass
NVNT	ac20	5600	Ant1	5.748	11	Pass
NVNT	ac20	5700	Ant1	5.664	11	Pass
NVNT	ac40	5510	Ant1	2.291	11	Pass
NVNT	ac40	5590	Ant1	2.93	11	Pass
NVNT	ac40	5670	Ant1	3.496	11	Pass
NVNT	ac80	5530	Ant1	-0.26	11	Pass
NVNT	ac80	5610	Ant1	0.066	11	Pass
NVNT	n20	5500	Ant1	6.335	11	Pass
NVNT	n20	5600	Ant1	6.636	11	Pass
NVNT	n20	5700	Ant1	6.427	11	Pass
NVNT	n40	5510	Ant1	3.274	11	Pass
NVNT	n40	5590	Ant1	3.211	11	Pass
NVNT	n40	5670	Ant1	3.618	11	Pass

Test Graphs

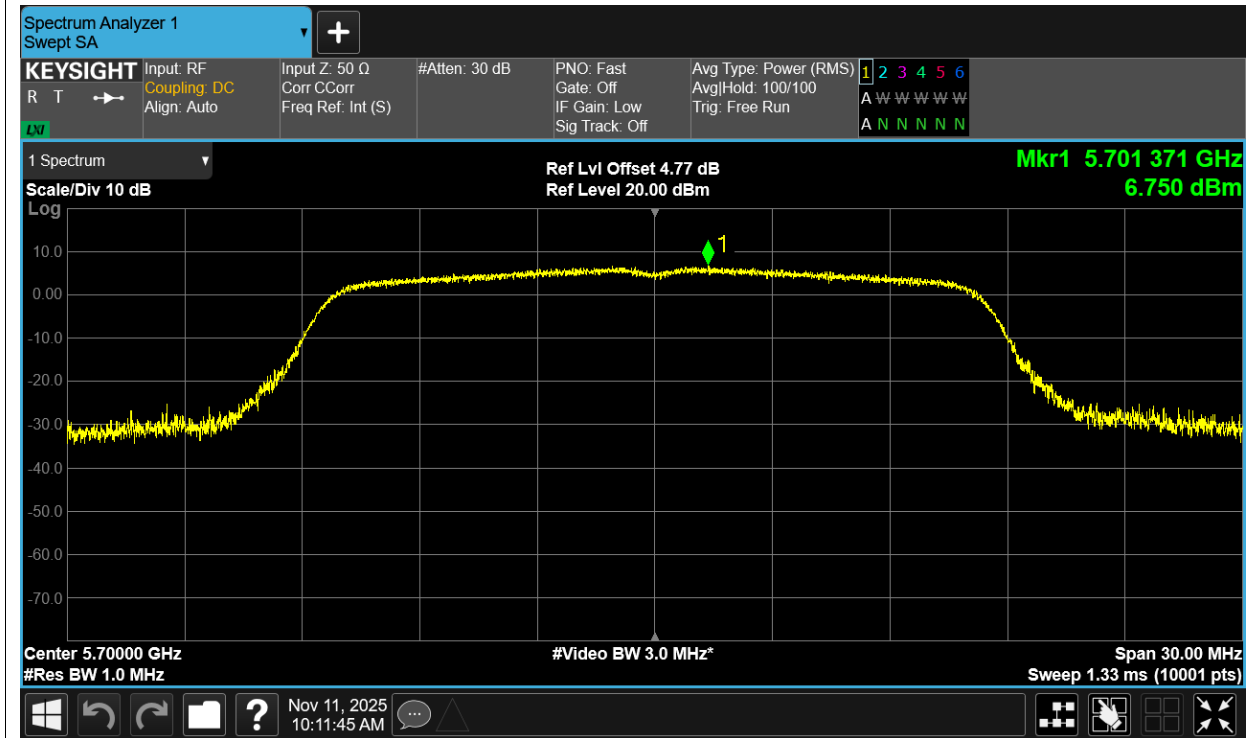
PSD NVNT a 5500MHz Ant1



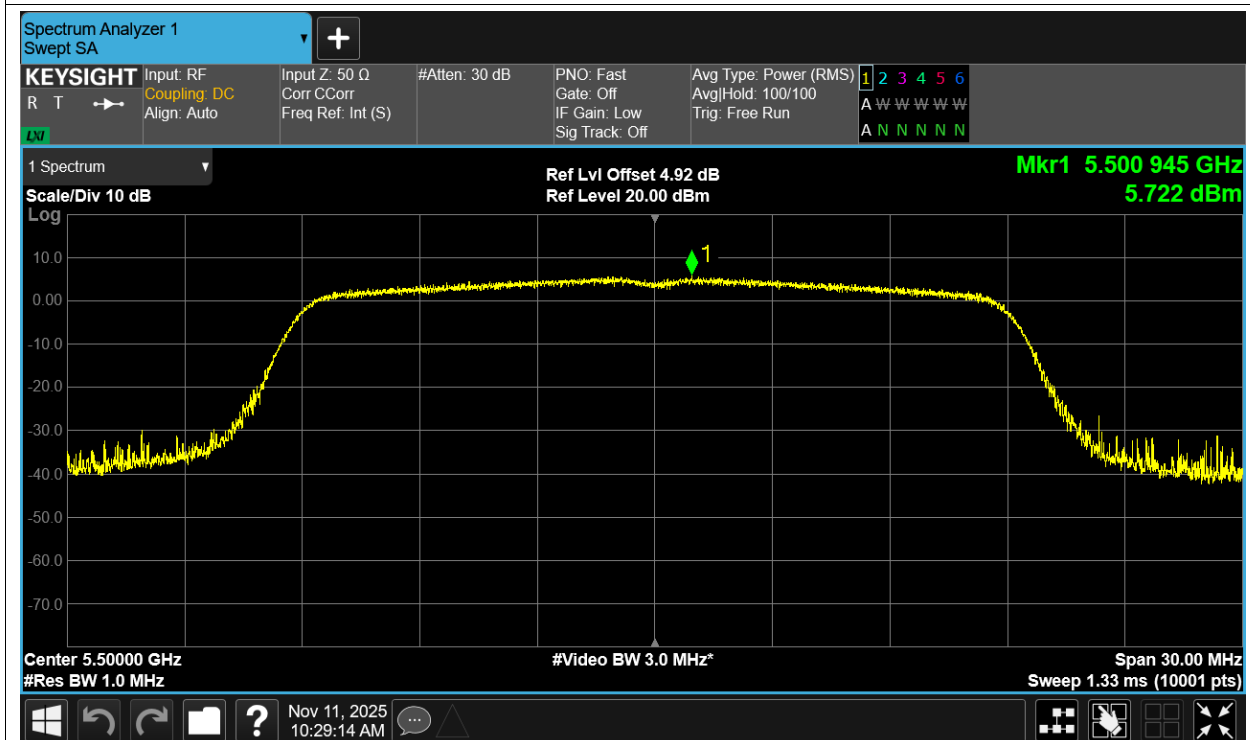
PSD NVNT a 5600MHz Ant1



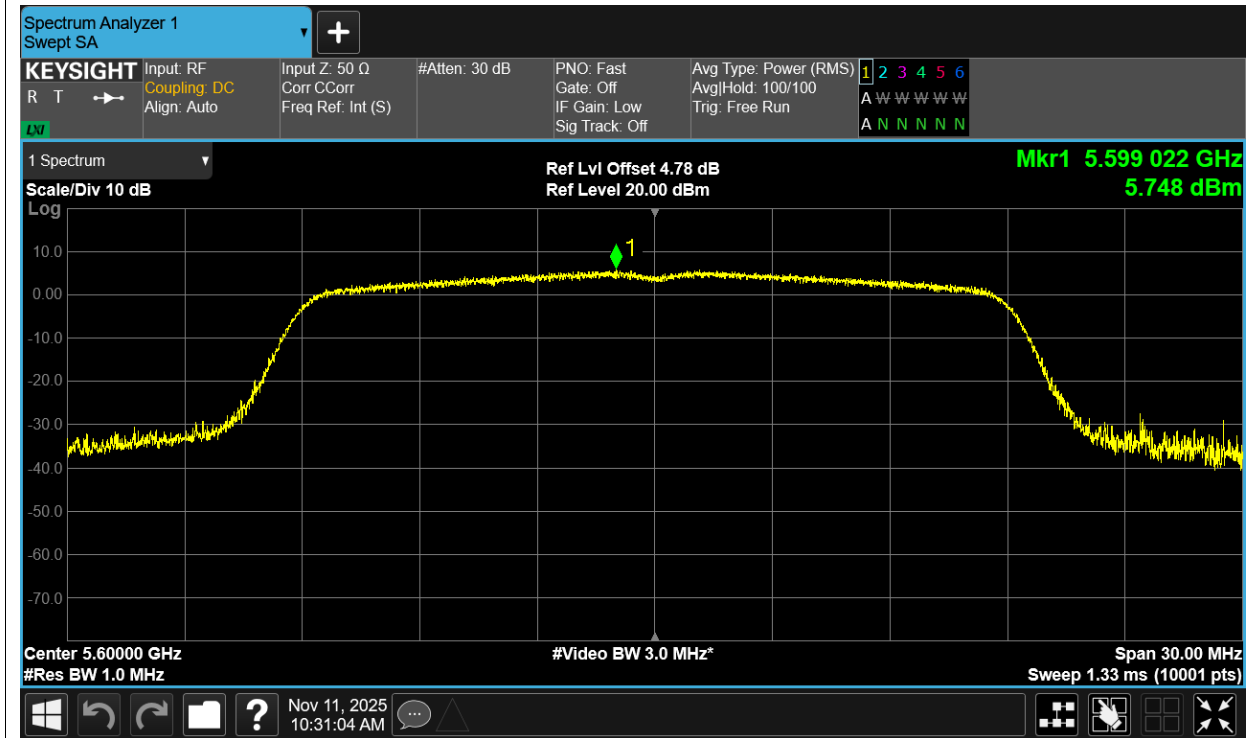
PSD NVNT a 5700MHz Ant1



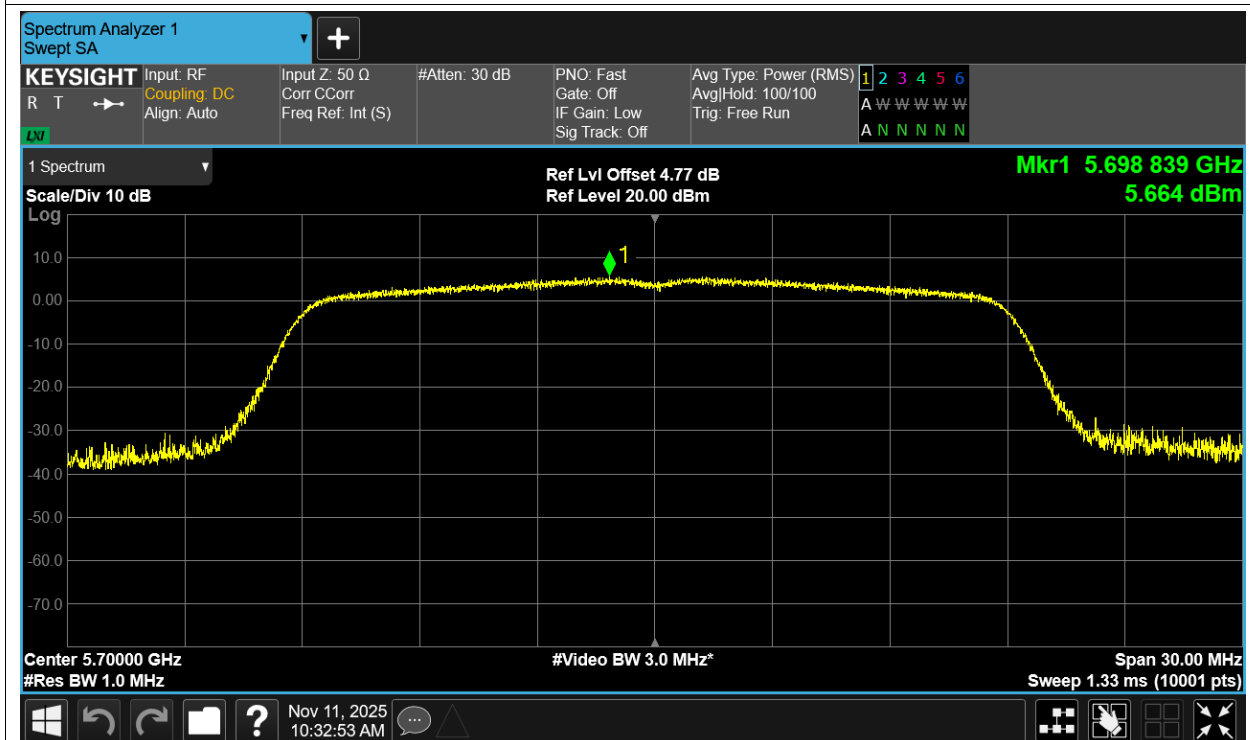
PSD NVNT ac20 5500MHz Ant1



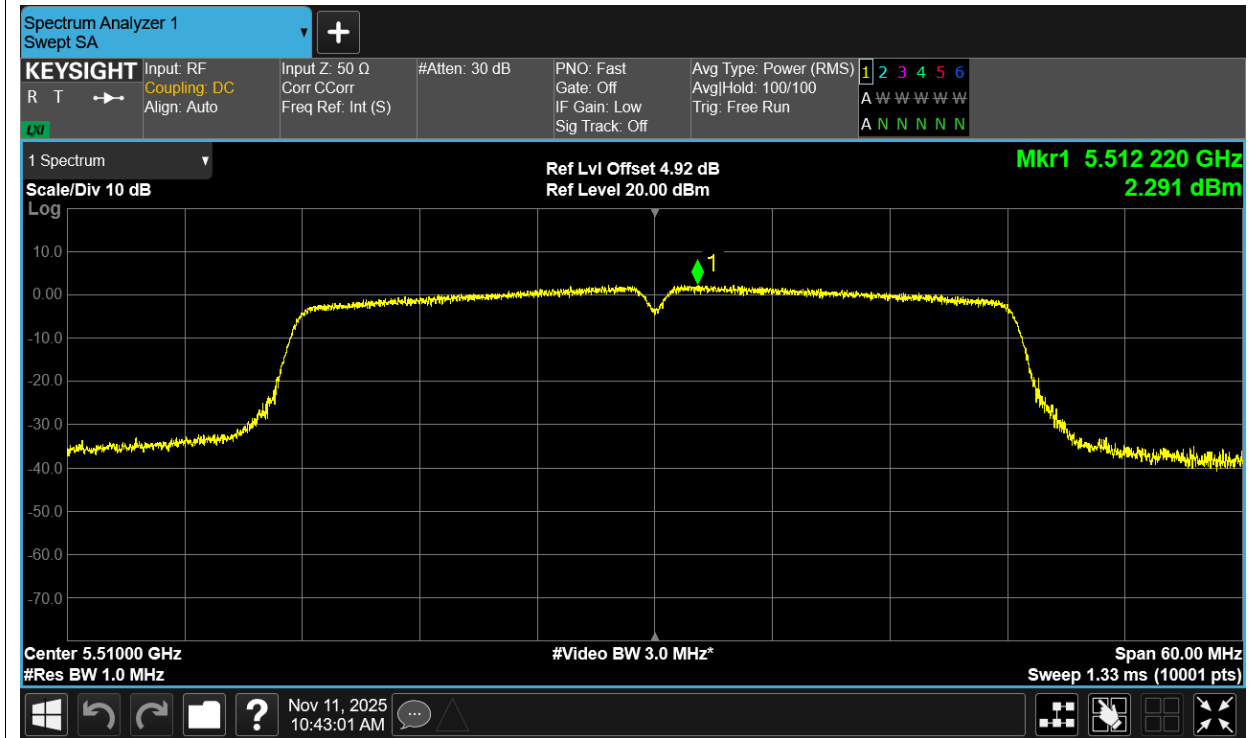
PSD NVNT ac20 5600MHz Ant1



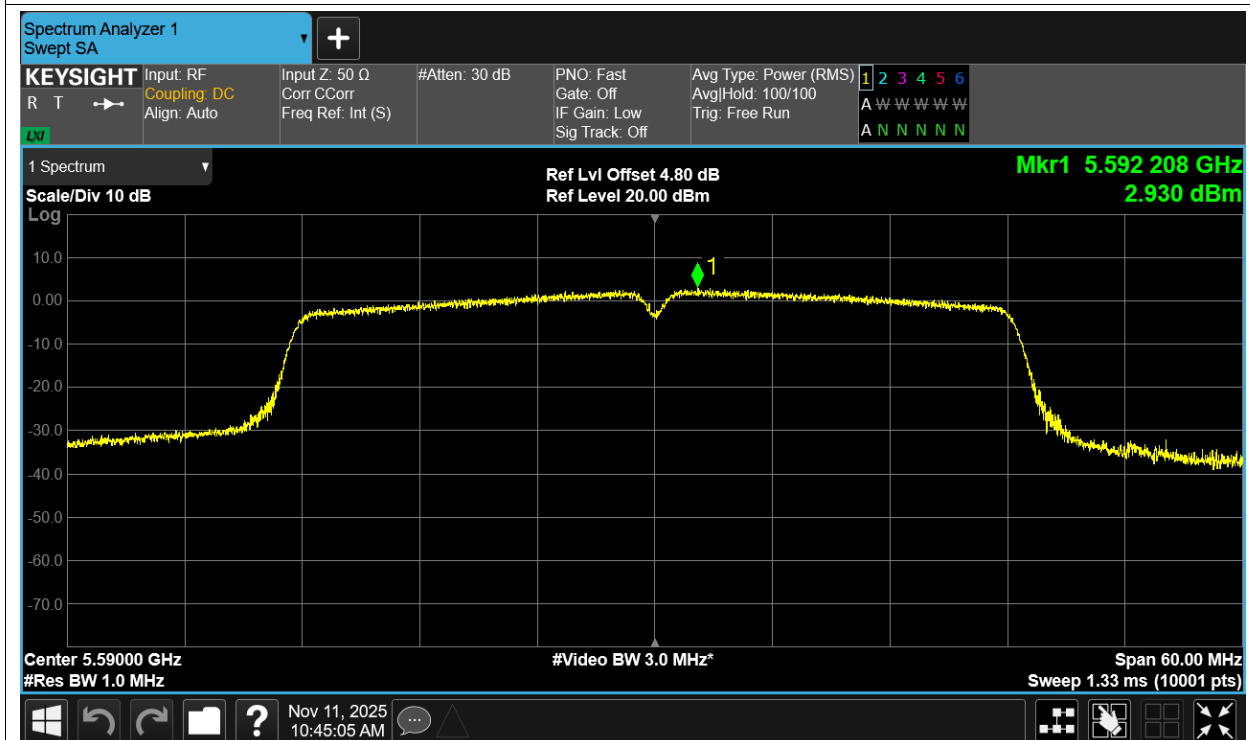
PSD NVNT ac20 5700MHz Ant1



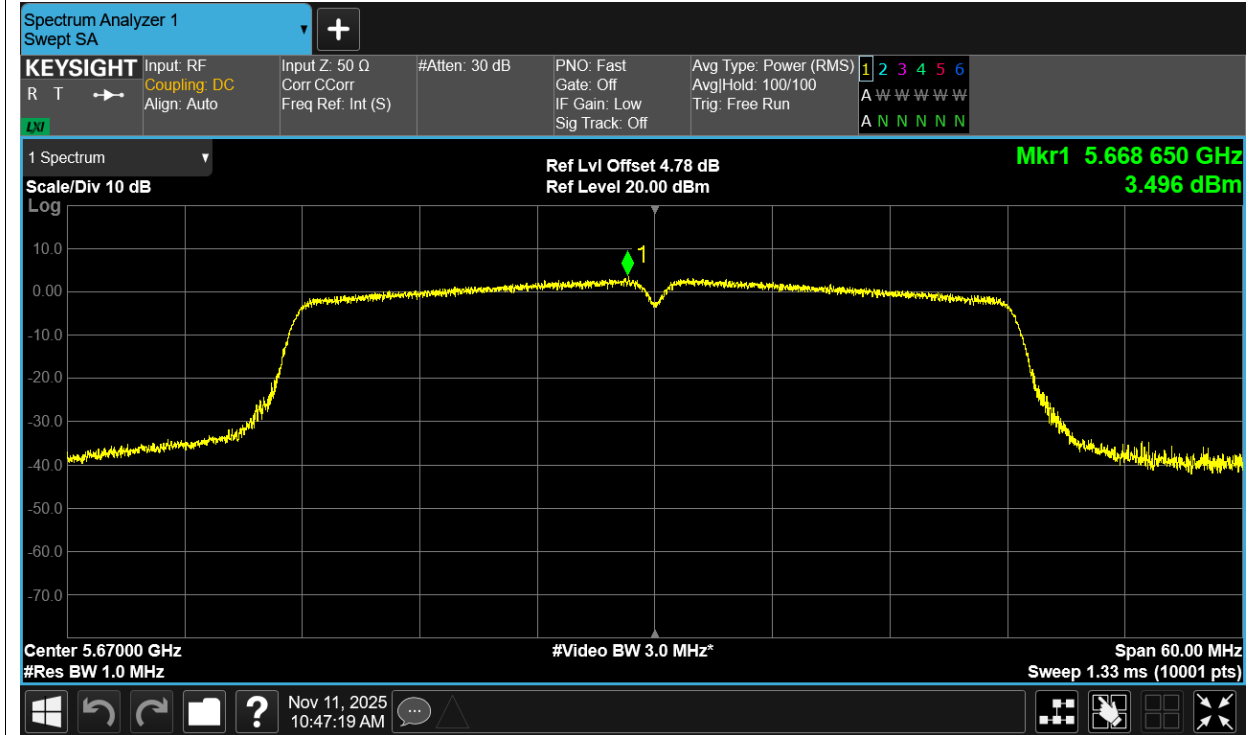
PSD NVNT ac40 5510MHz Ant1



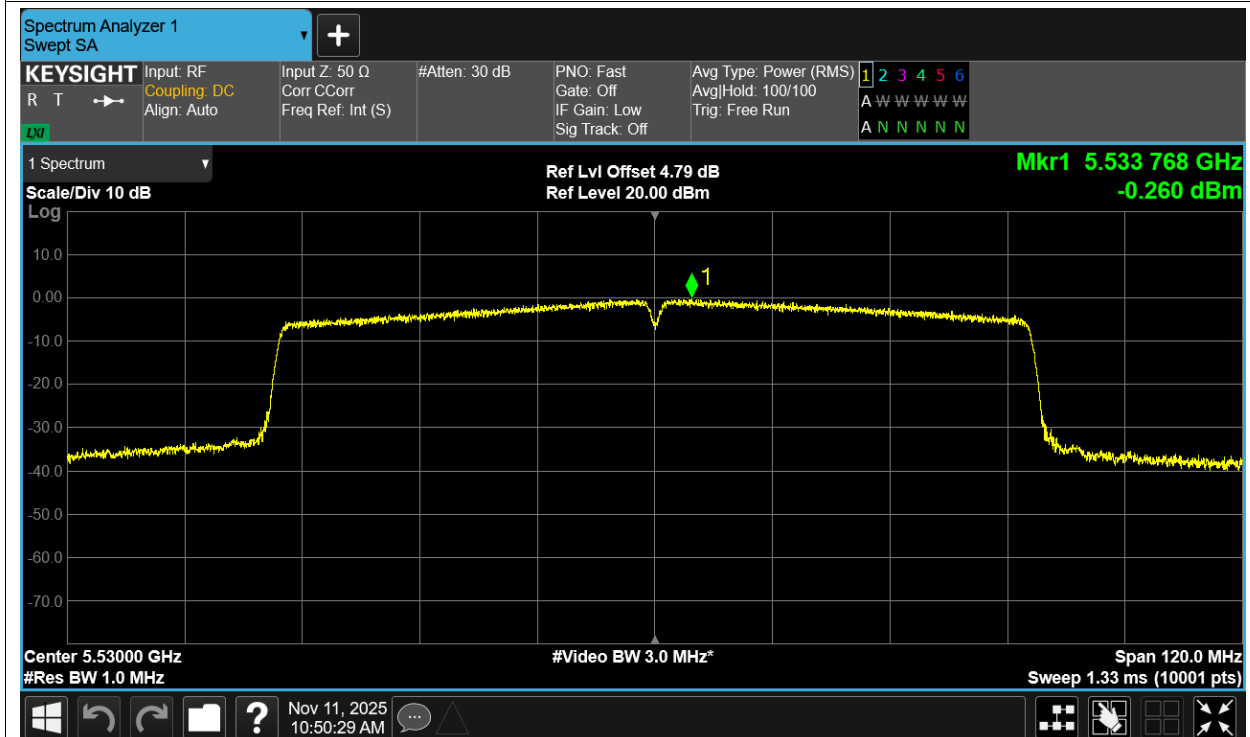
PSD NVNT ac40 5590MHz Ant1



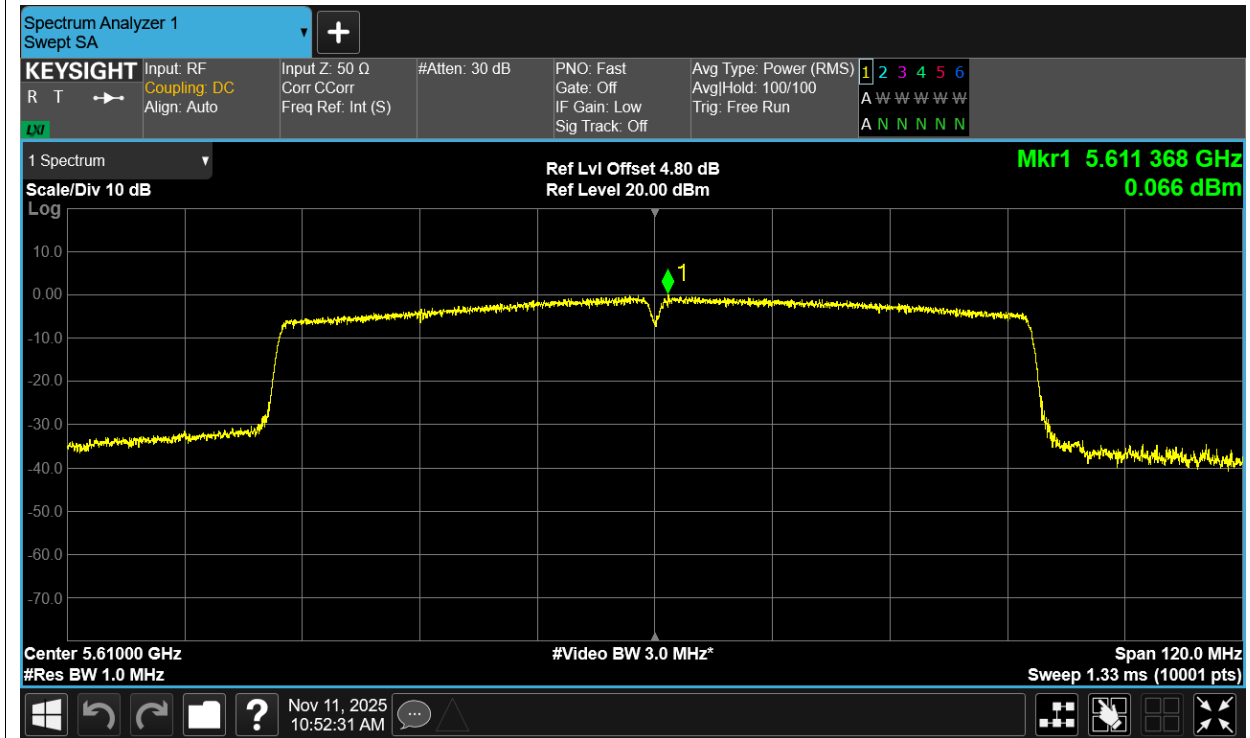
PSD NVNT ac40 5670MHz Ant1



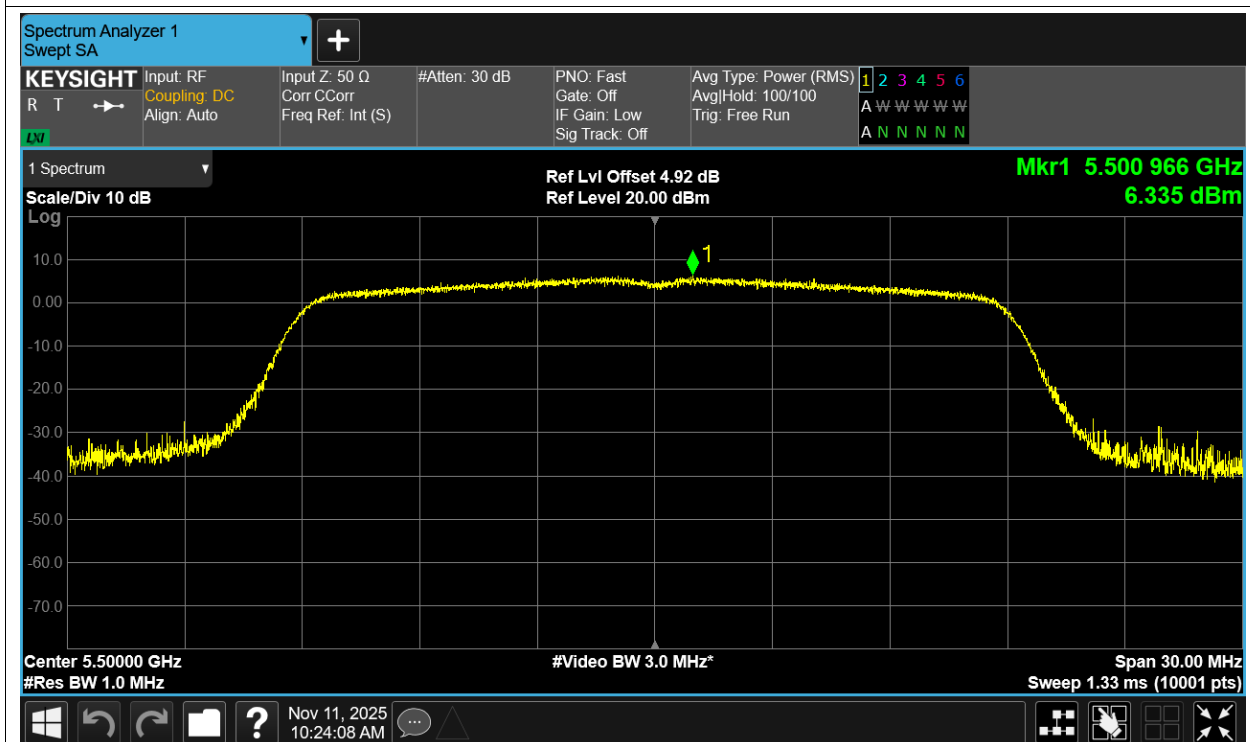
PSD NVNT ac80 5530MHz Ant1



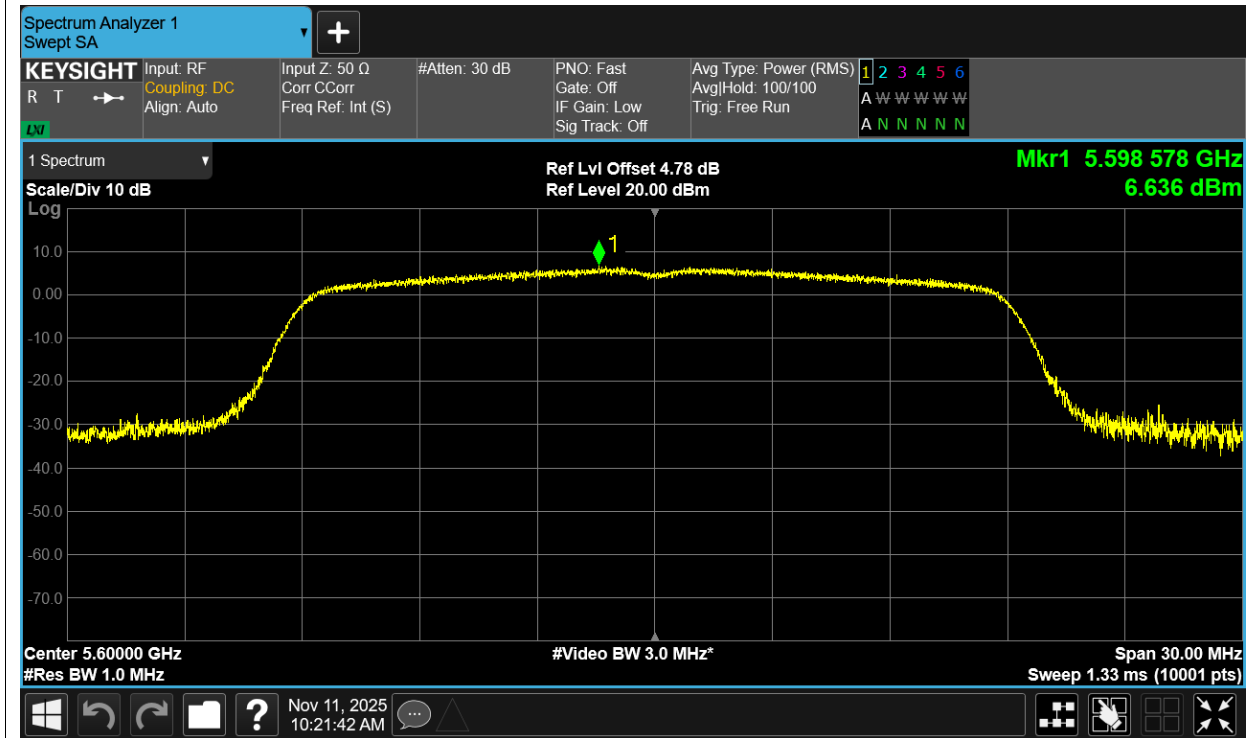
PSD NVNT ac80 5610MHz Ant1



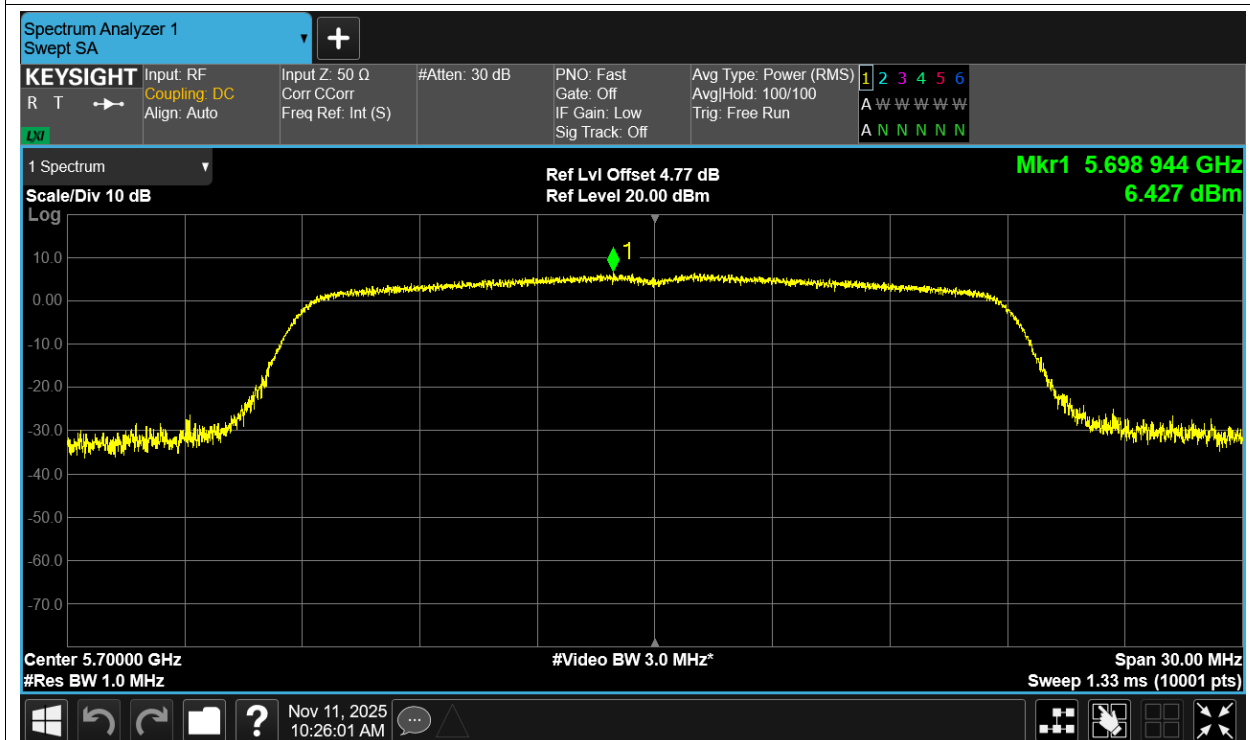
PSD NVNT n20 5500MHz Ant1



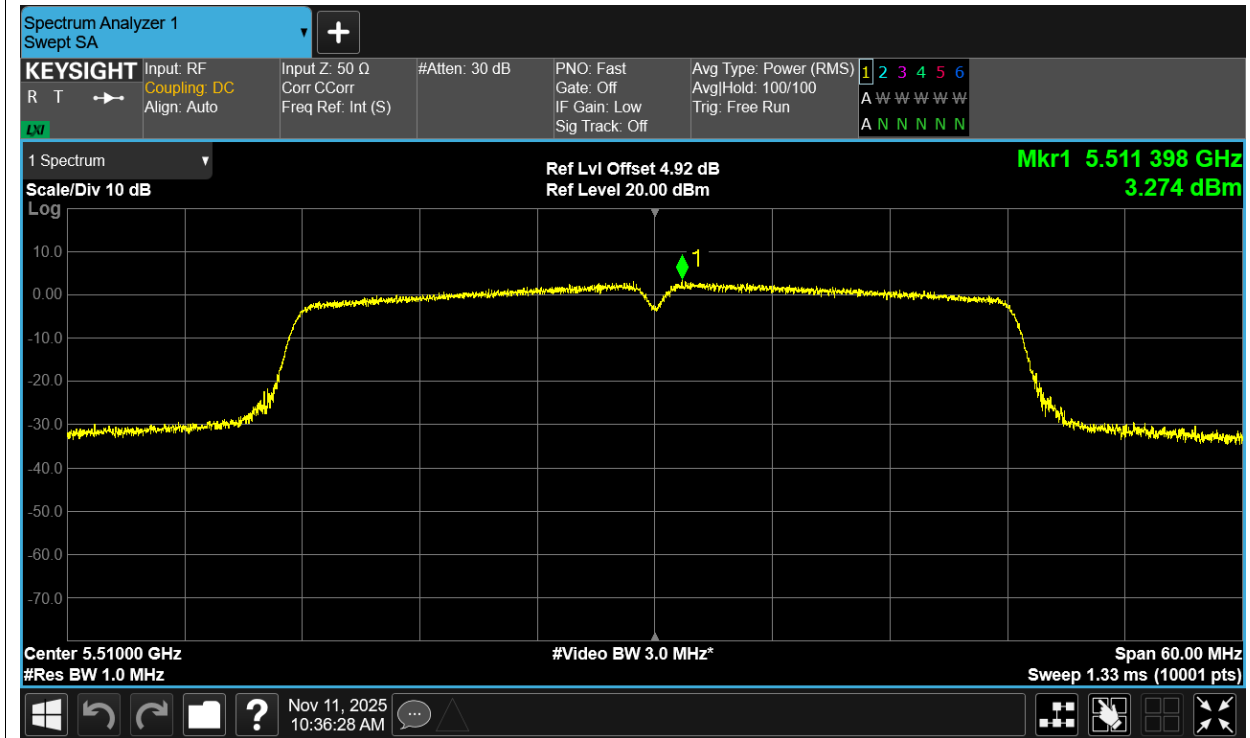
PSD NVNT n20 5600MHz Ant1



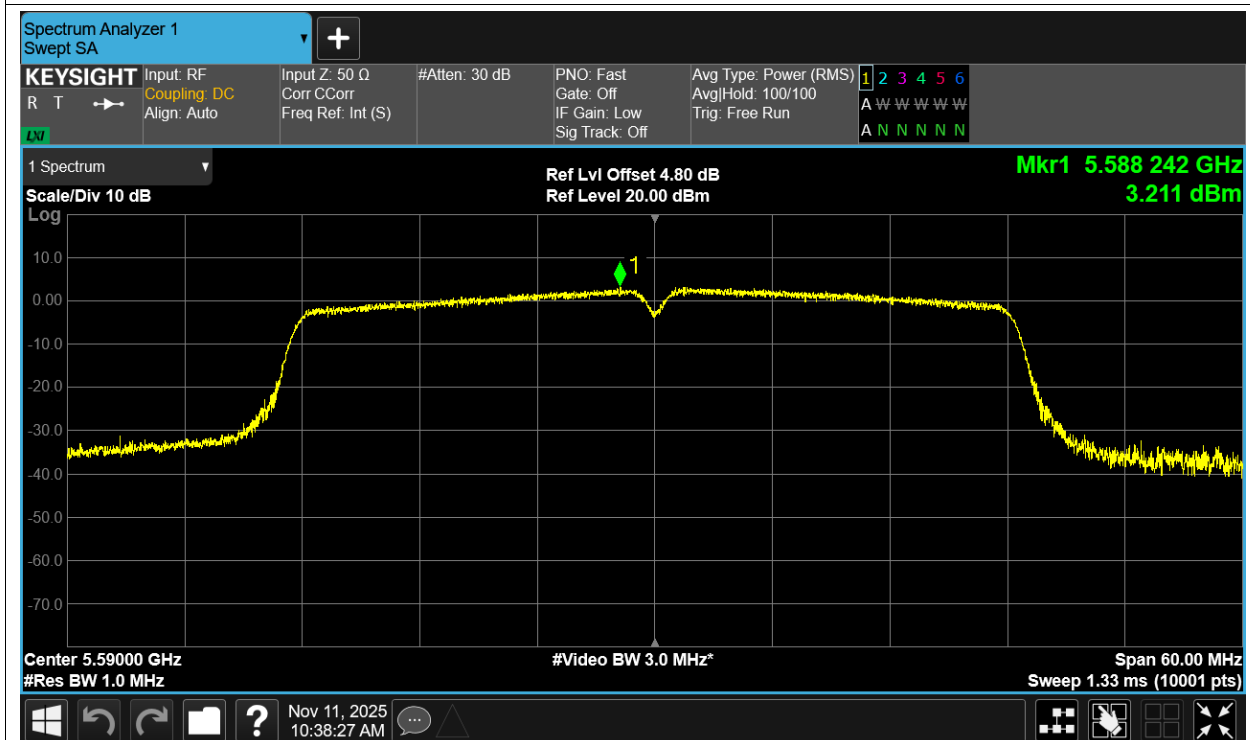
PSD NVNT n20 5700MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5670MHz Ant1

