

Test Data

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5745	Ant1	5744.9665	-5.83	Within authorized band	Pass
LVNT	a	5745	Ant1	5744.9665	-5.83		Pass
NVHT	a	5745	Ant1	5744.9665	-5.83		Pass
NVLT	a	5745	Ant1	5744.9665	-5.83		Pass
NVNT	a	5745	Ant1	5744.966	-5.92		Pass
HVNT	ac80	5775	Ant1	5774.9665	-5.8		Pass
LVNT	ac80	5775	Ant1	5774.9665	-5.8		Pass
NVHT	ac80	5775	Ant1	5774.9665	-5.8		Pass
NVLT	ac80	5775	Ant1	5774.9665	-5.8		Pass
NVNT	ac80	5775	Ant1	5774.966	-5.89		Pass
HVNT	n40	5755	Ant1	5754.9665	-5.82		Pass
LVNT	n40	5755	Ant1	5754.9665	-5.82		Pass
NVHT	n40	5755	Ant1	5754.9665	-5.82		Pass
NVLT	n40	5755	Ant1	5754.966	-5.91		Pass
NVNT	n40	5755	Ant1	5754.9665	-5.82		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

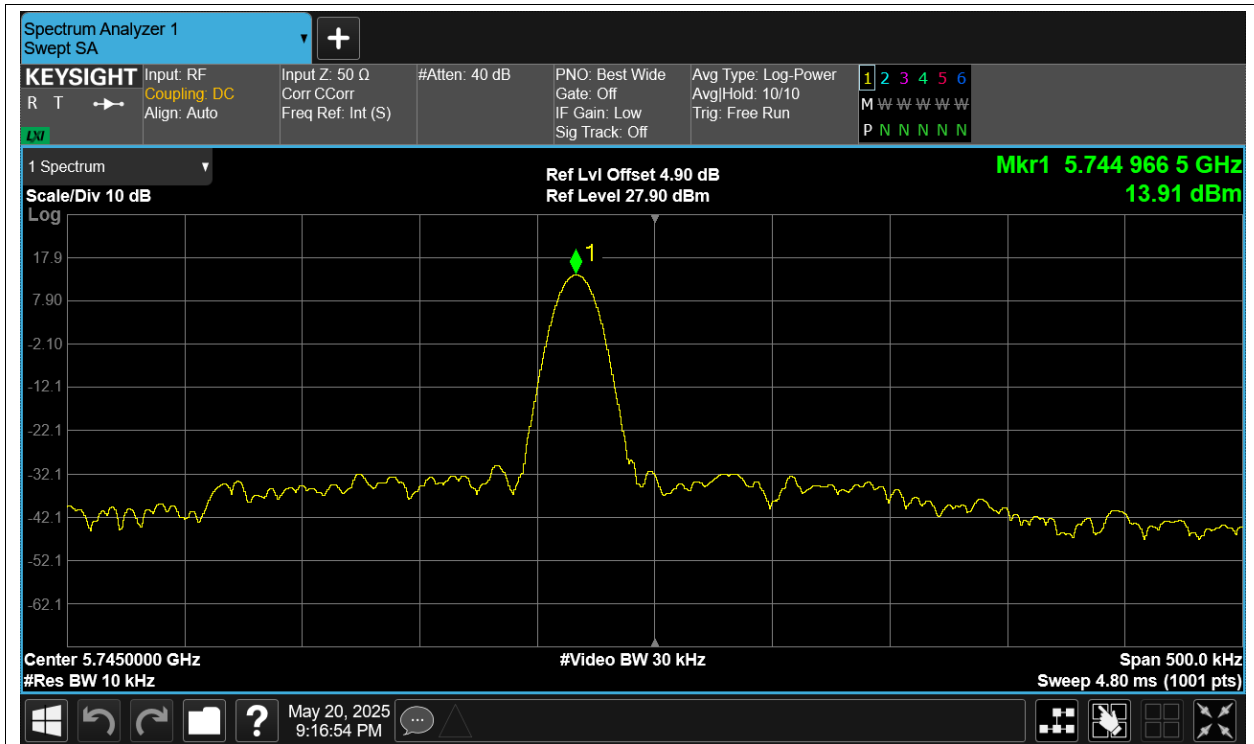
Freq. Stability HVNT a 5745MHz Ant1



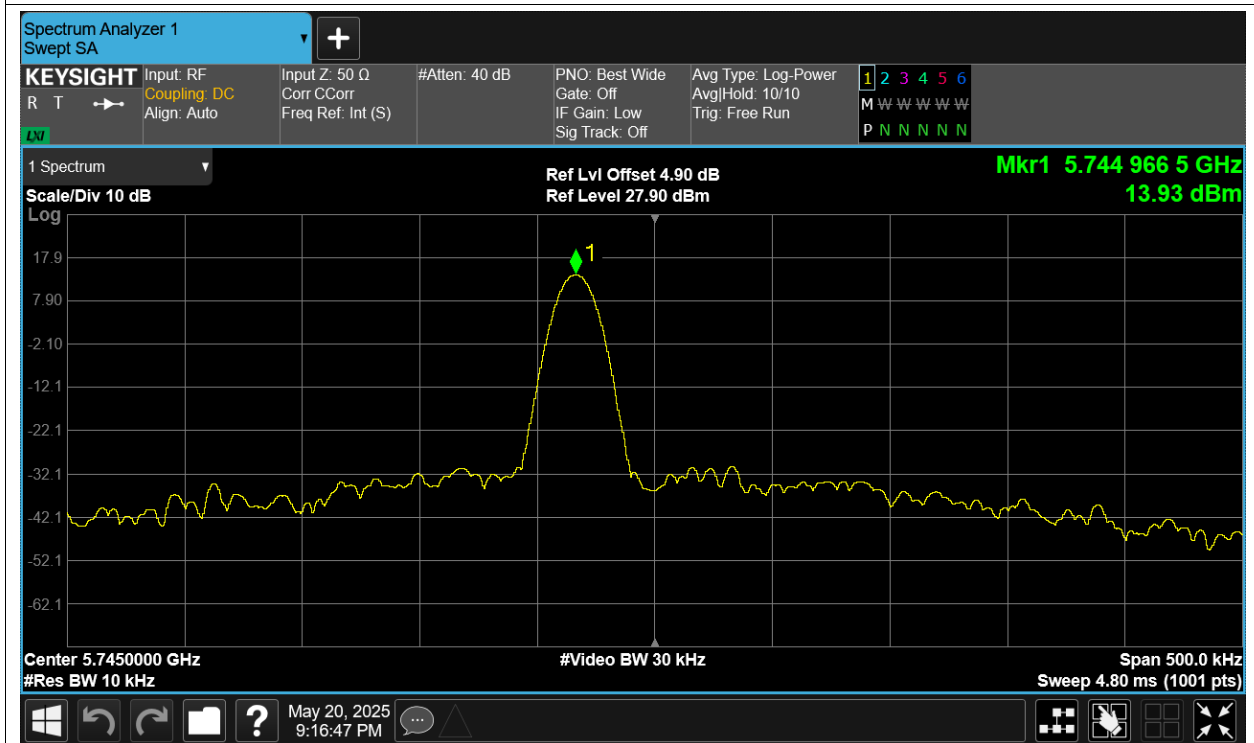
Freq. Stability LVNT a 5745MHz Ant1



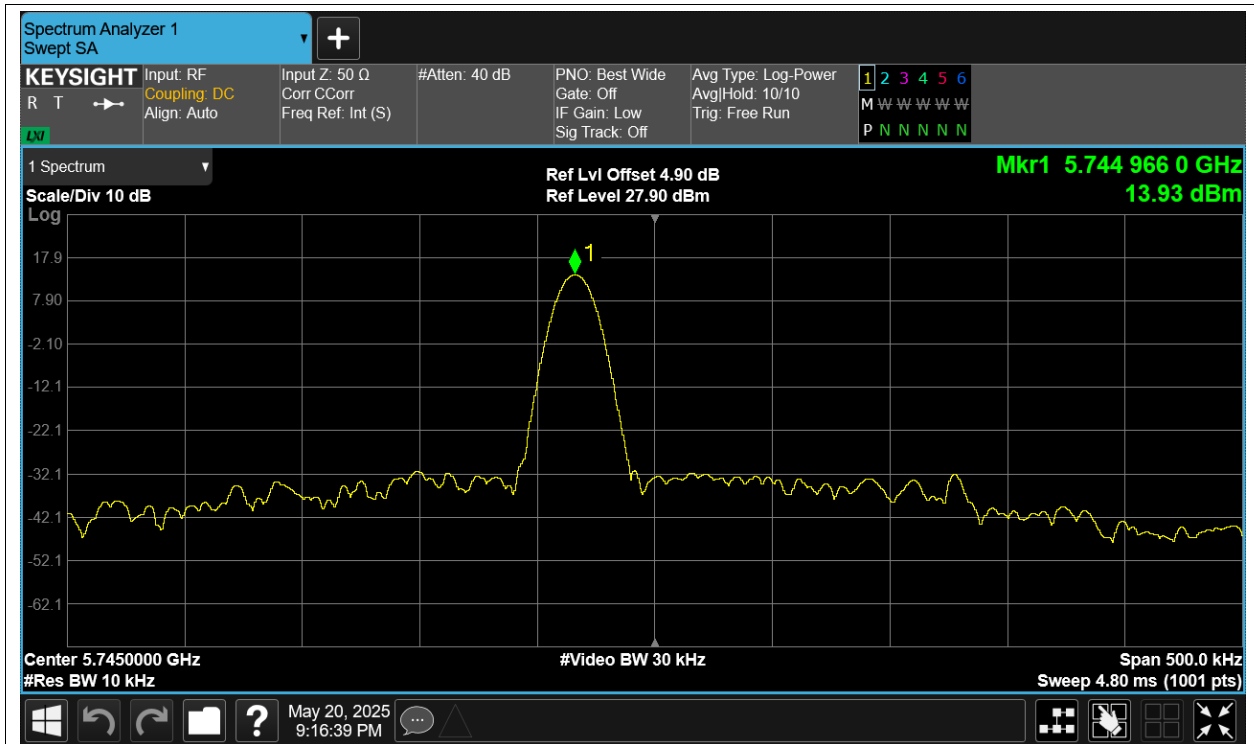
Freq. Stability NVHT a 5745MHz Ant1



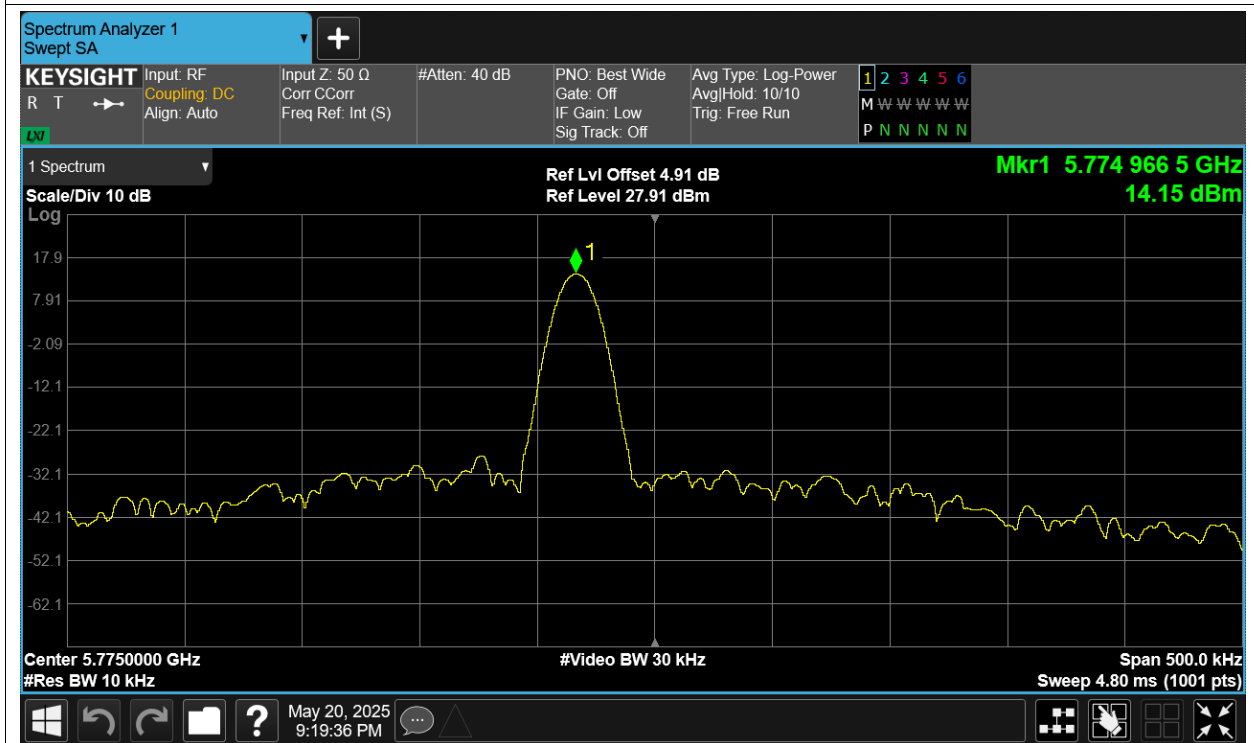
Freq. Stability NVLT a 5745MHz Ant1



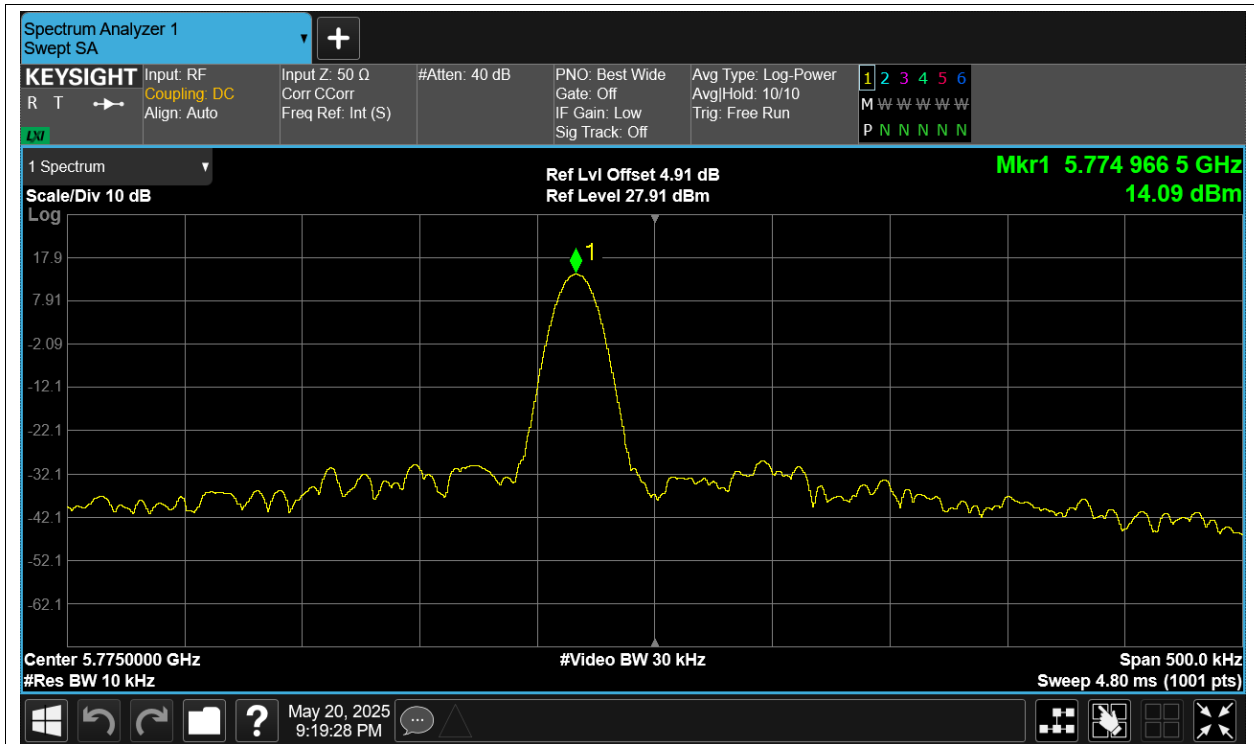
Freq. Stability NVNT a 5745MHz Ant1



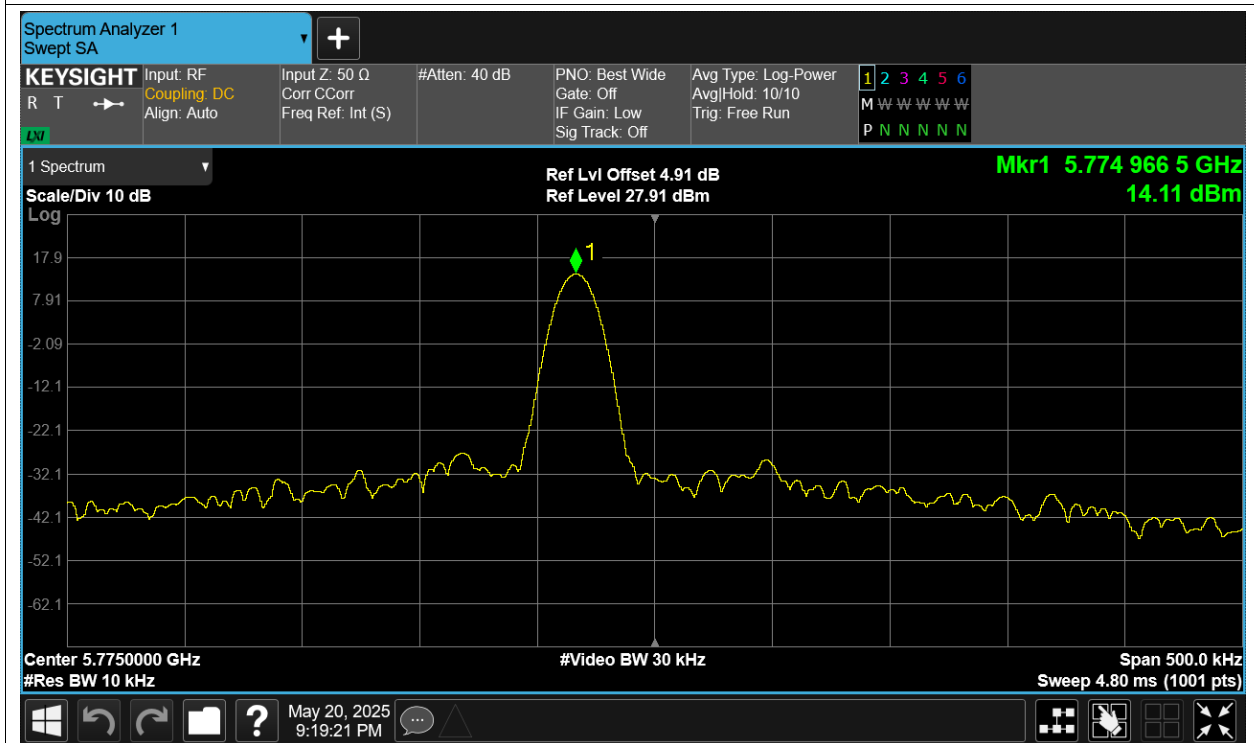
Freq. Stability HVNT ac80 5775MHz Ant1



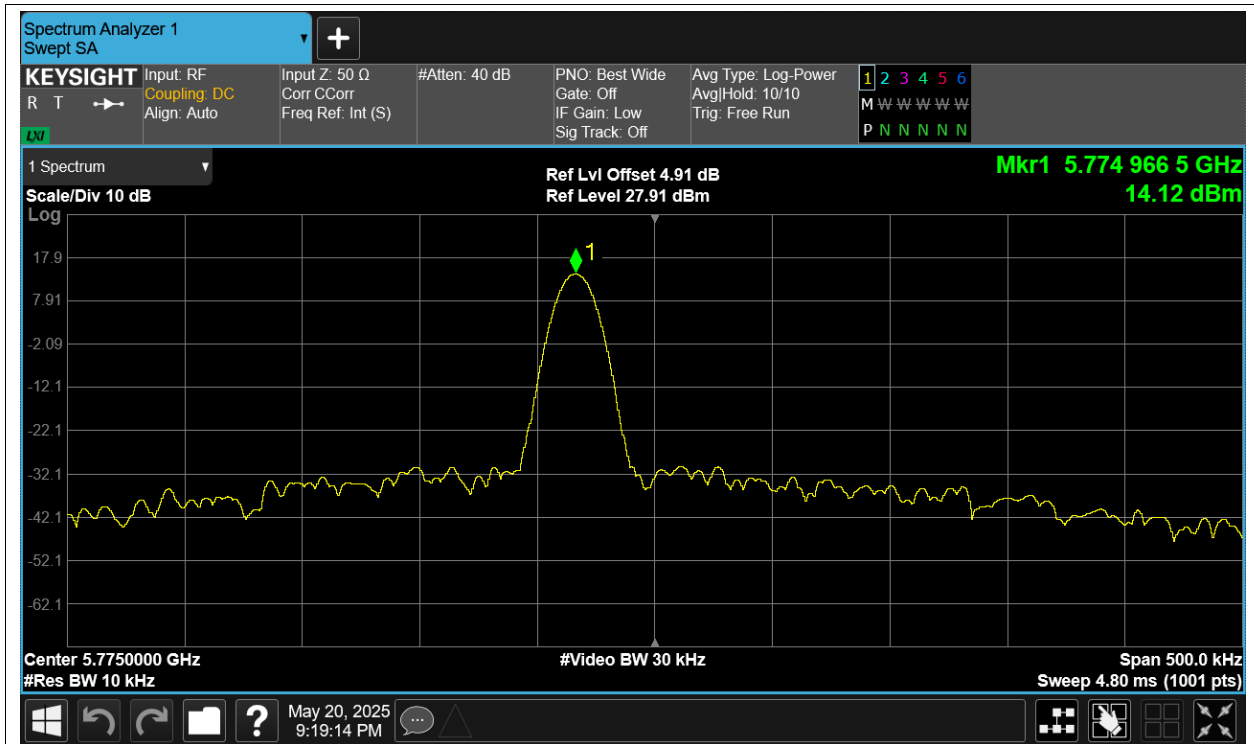
Freq. Stability LVNT ac80 5775MHz Ant1



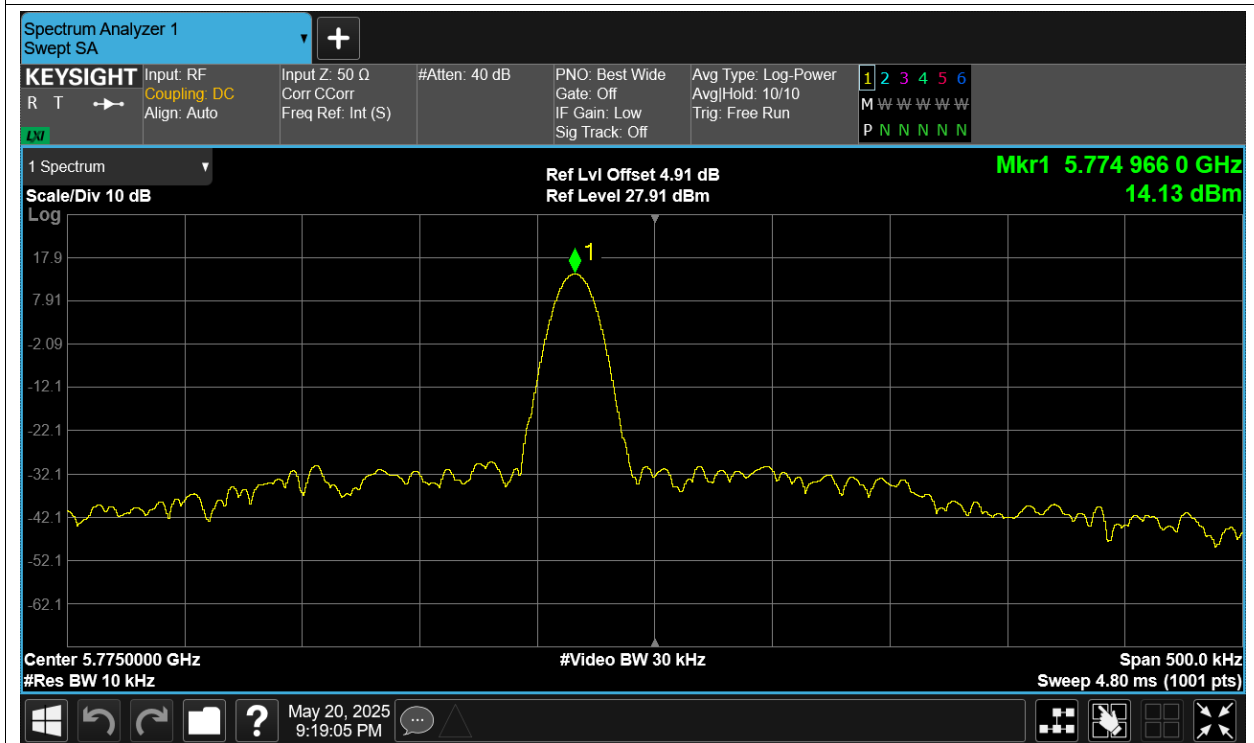
Freq. Stability NVHT ac80 5775MHz Ant1



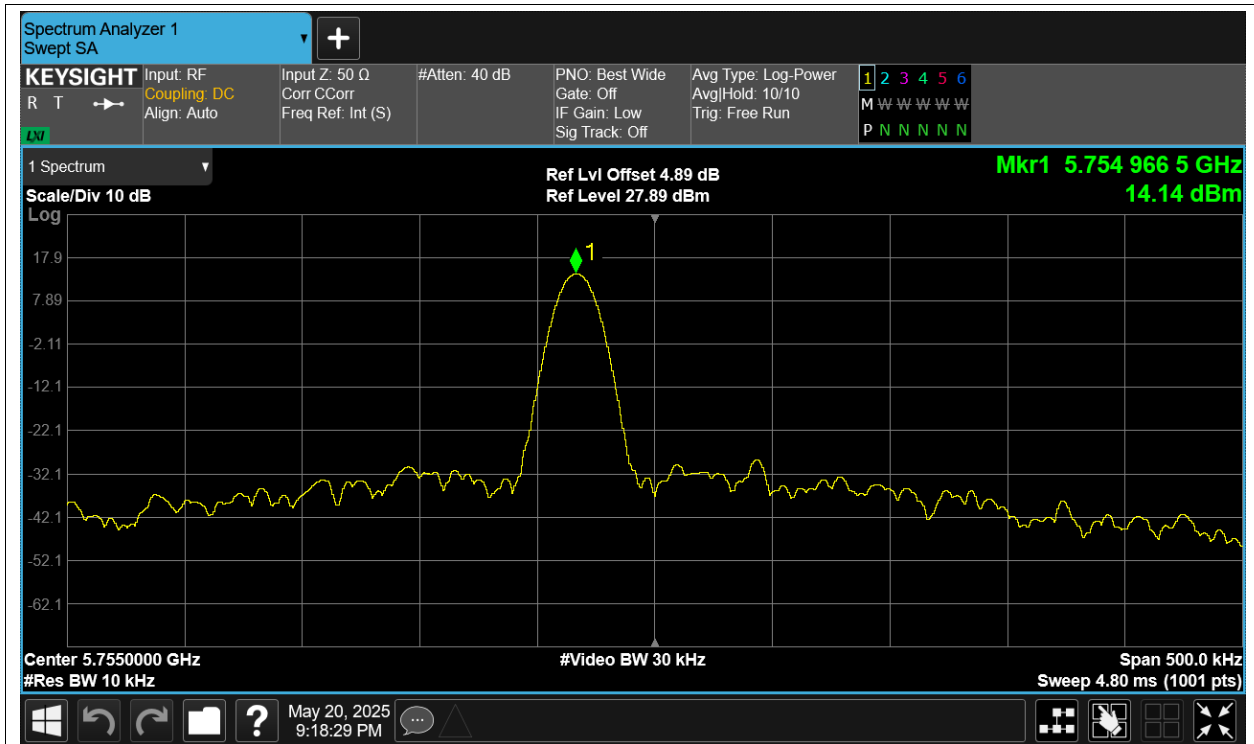
Freq. Stability NVLT ac80 5775MHz Ant1



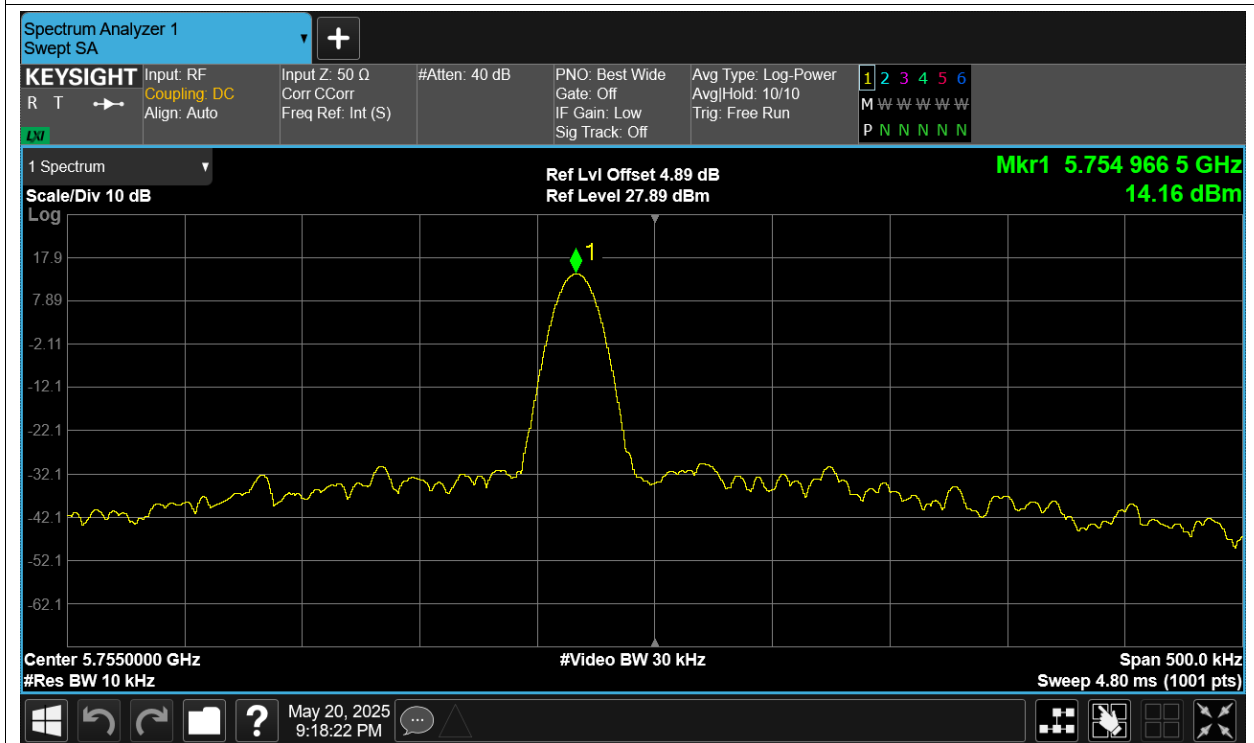
Freq. Stability NVNT ac80 5775MHz Ant1



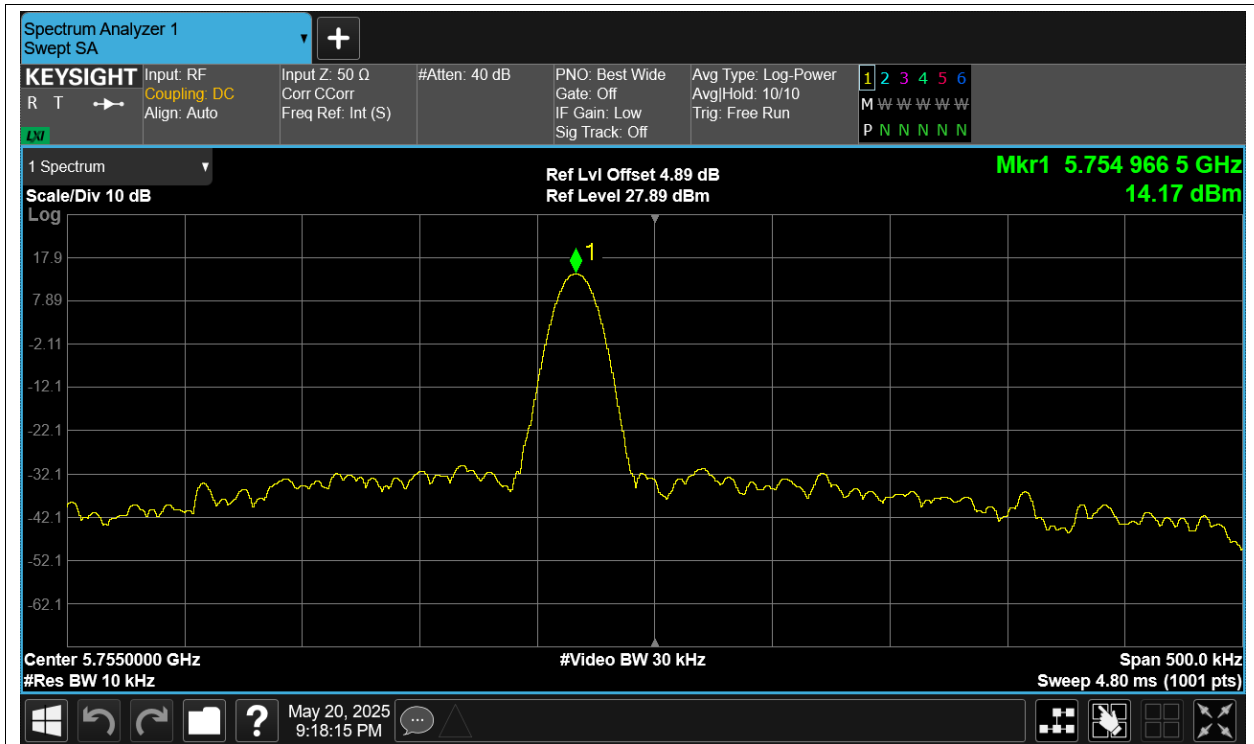
Freq. Stability HVNT n40 5755MHz Ant1



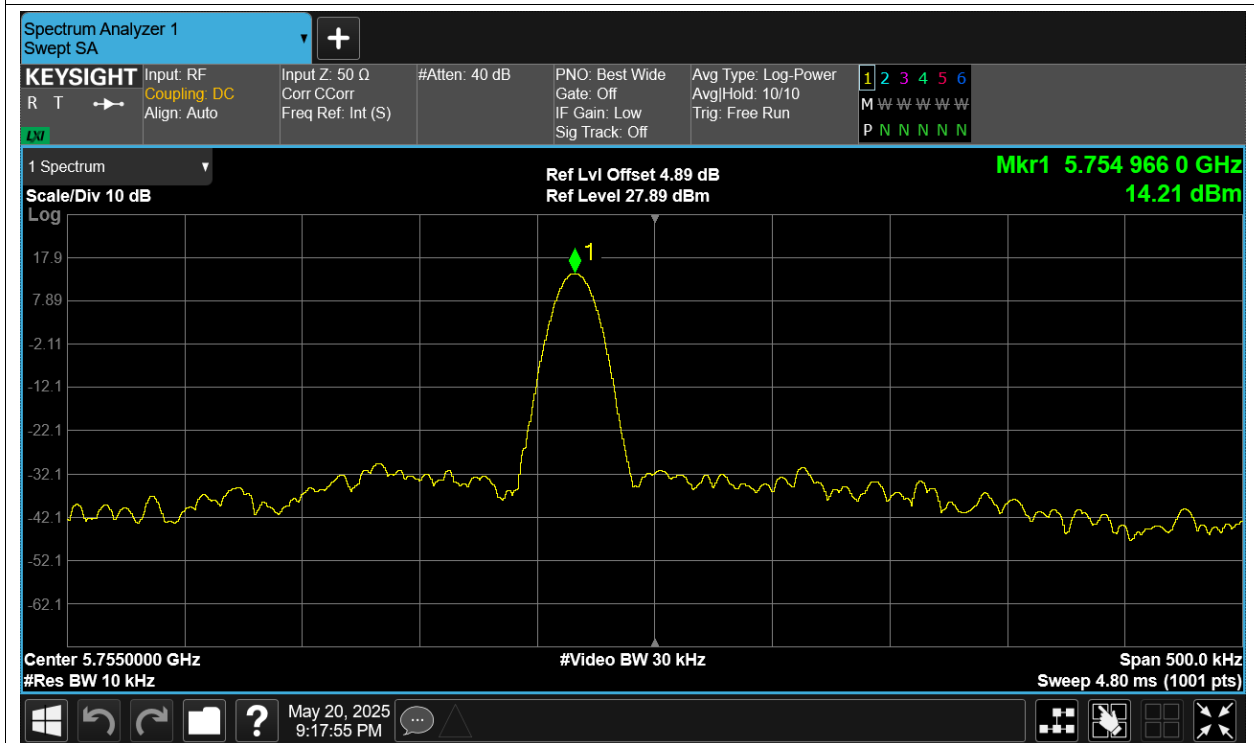
Freq. Stability LVNT n40 5755MHz Ant1



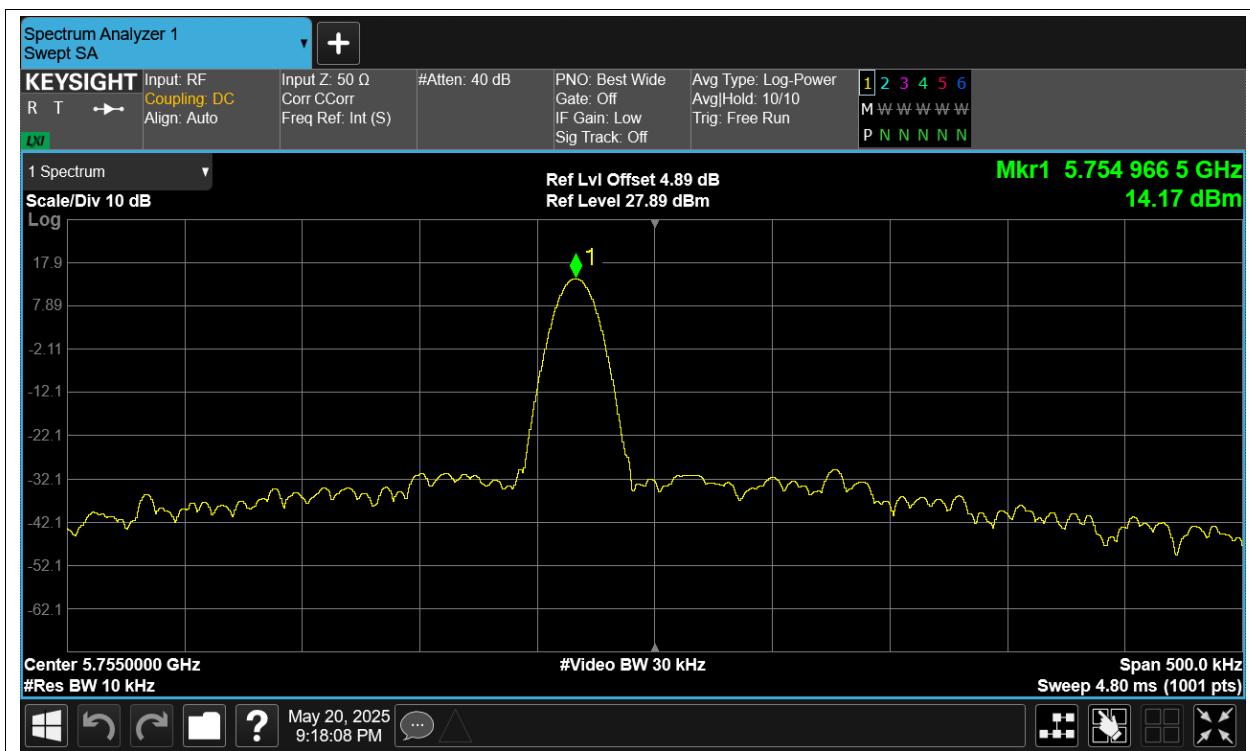
Freq. Stability NVHT n40 5755MHz Ant1



Freq. Stability NVLT n40 5755MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1

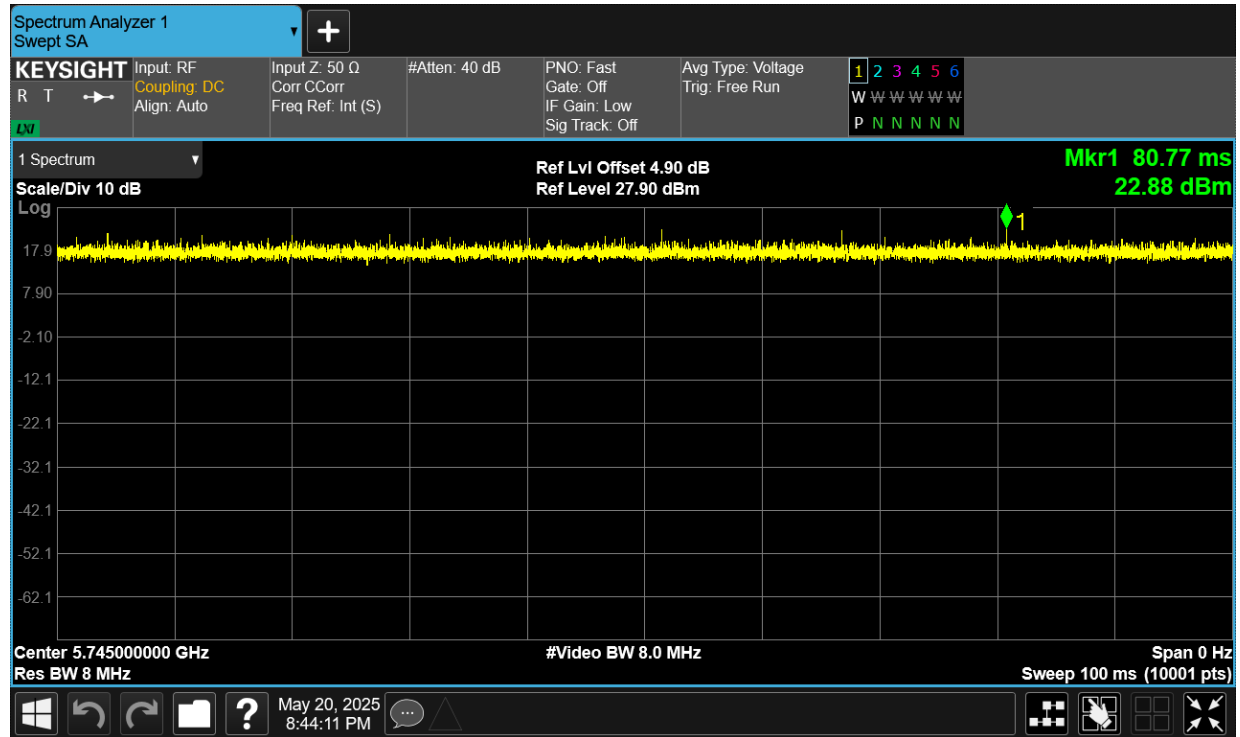


Duty Cycle

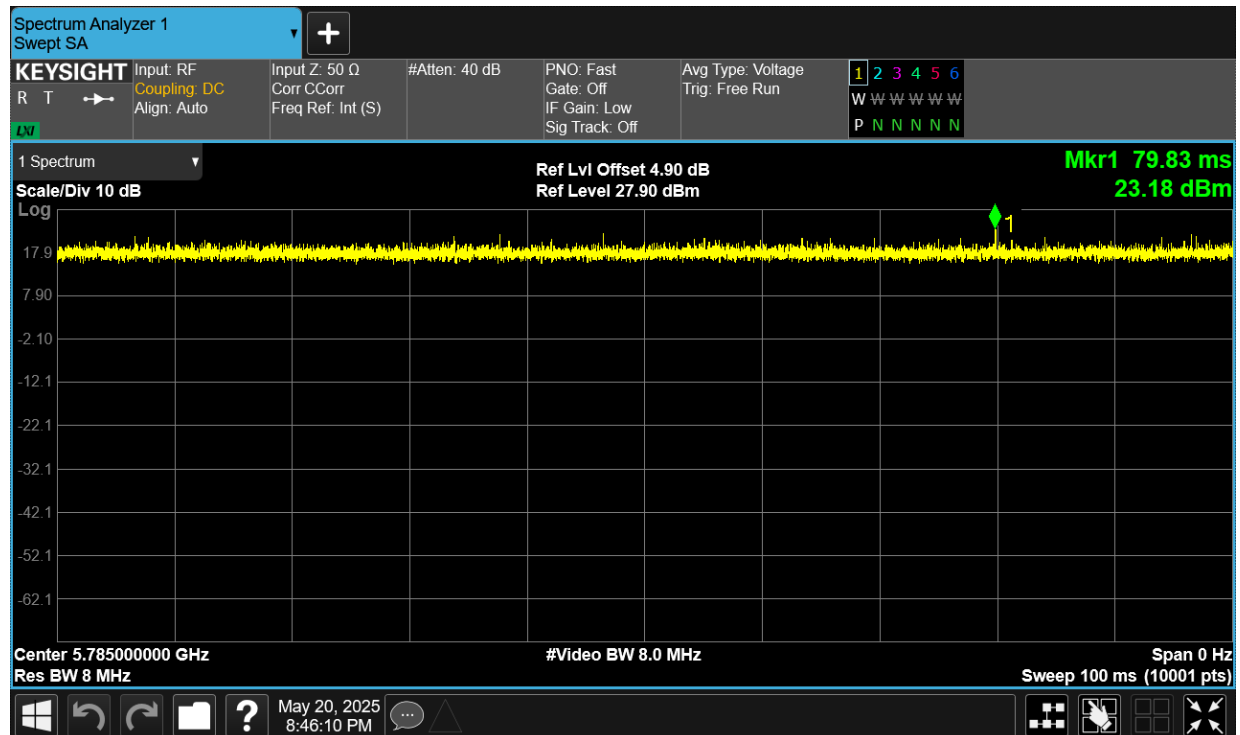
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	100	0
NVNT	a	5785	Ant1	100	0
NVNT	a	5825	Ant1	100	0
NVNT	ac20	5745	Ant1	100	0
NVNT	ac20	5785	Ant1	100	0
NVNT	ac20	5825	Ant1	100	0
NVNT	ac40	5755	Ant1	100	0
NVNT	ac40	5795	Ant1	100	0
NVNT	ac80	5775	Ant1	100	0
NVNT	n20	5745	Ant1	100	0
NVNT	n20	5785	Ant1	100	0
NVNT	n20	5825	Ant1	100	0
NVNT	n40	5755	Ant1	100	0
NVNT	n40	5795	Ant1	100	0

Test Graphs

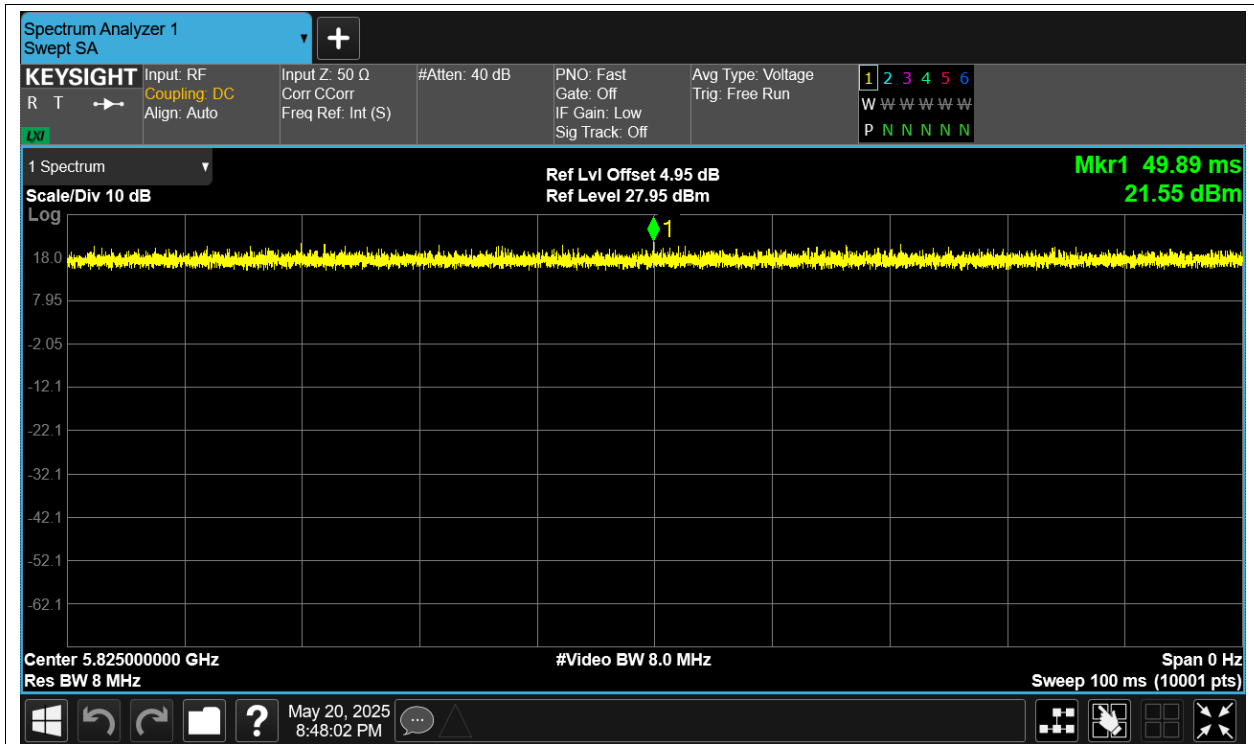
Duty Cycle NVNT a 5745MHz Ant1



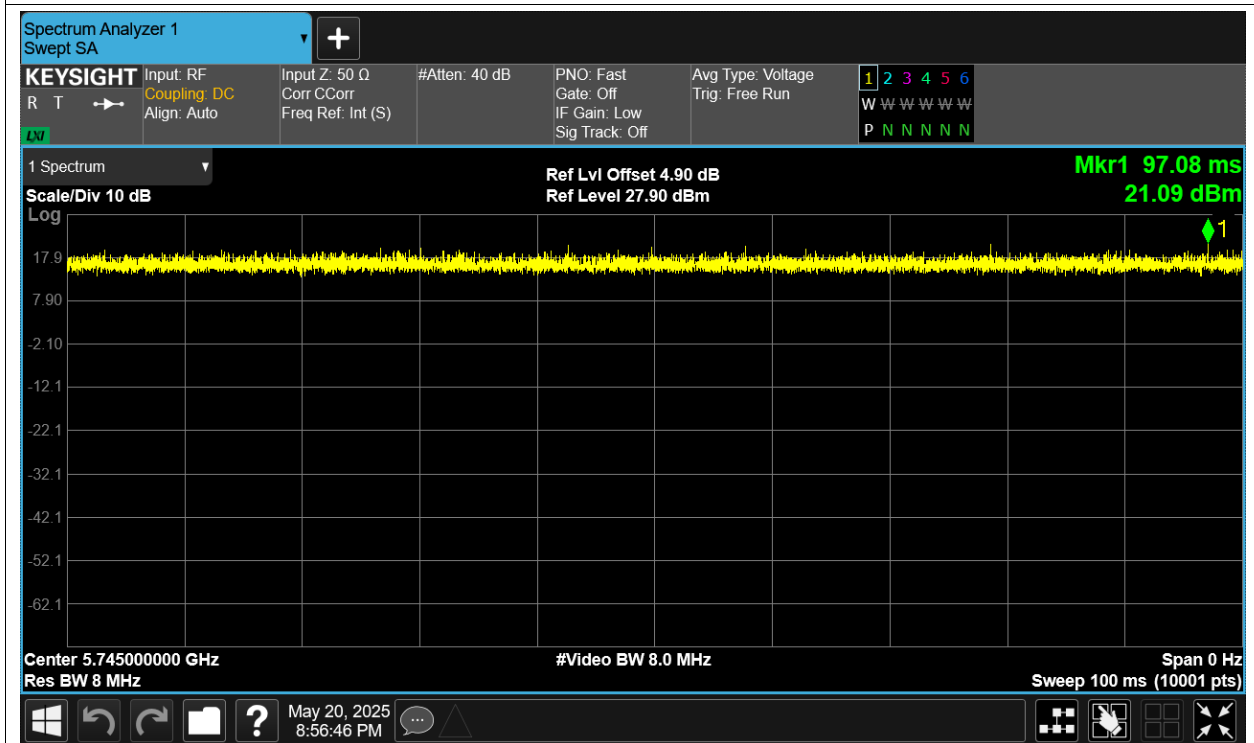
Duty Cycle NVNT a 5785MHz Ant1



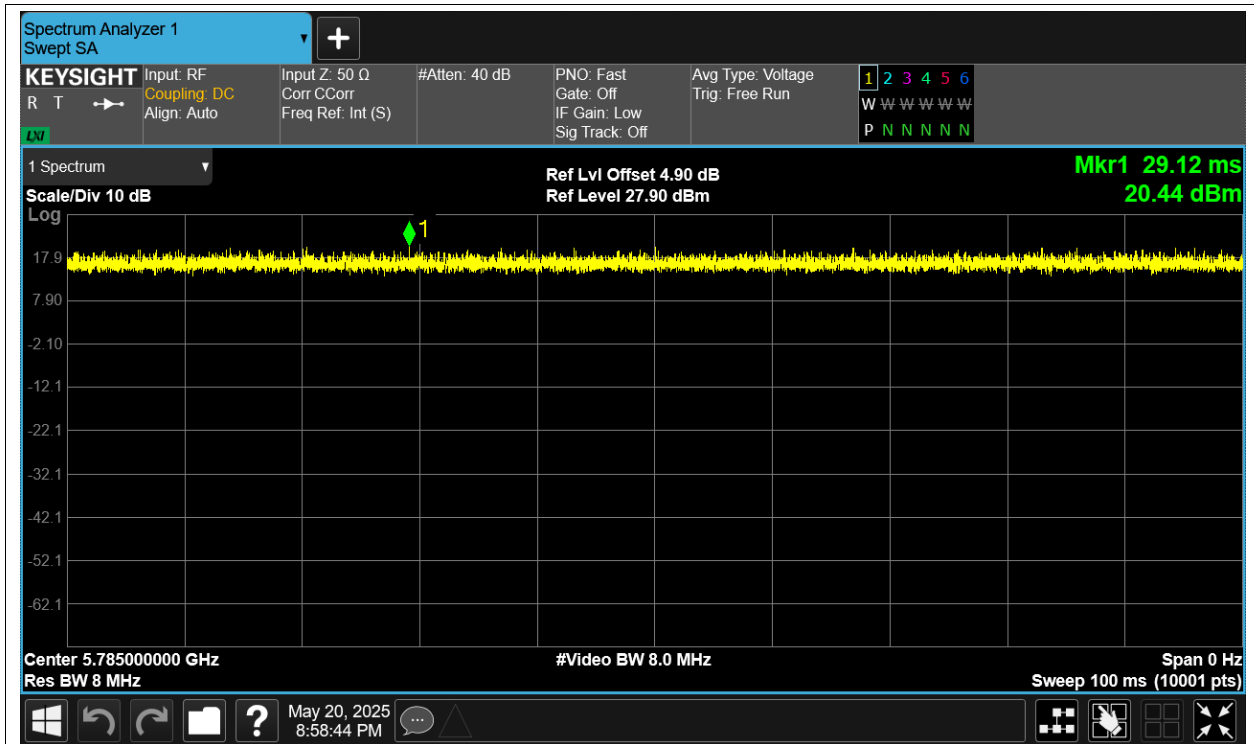
Duty Cycle NVNT a 5825MHz Ant1



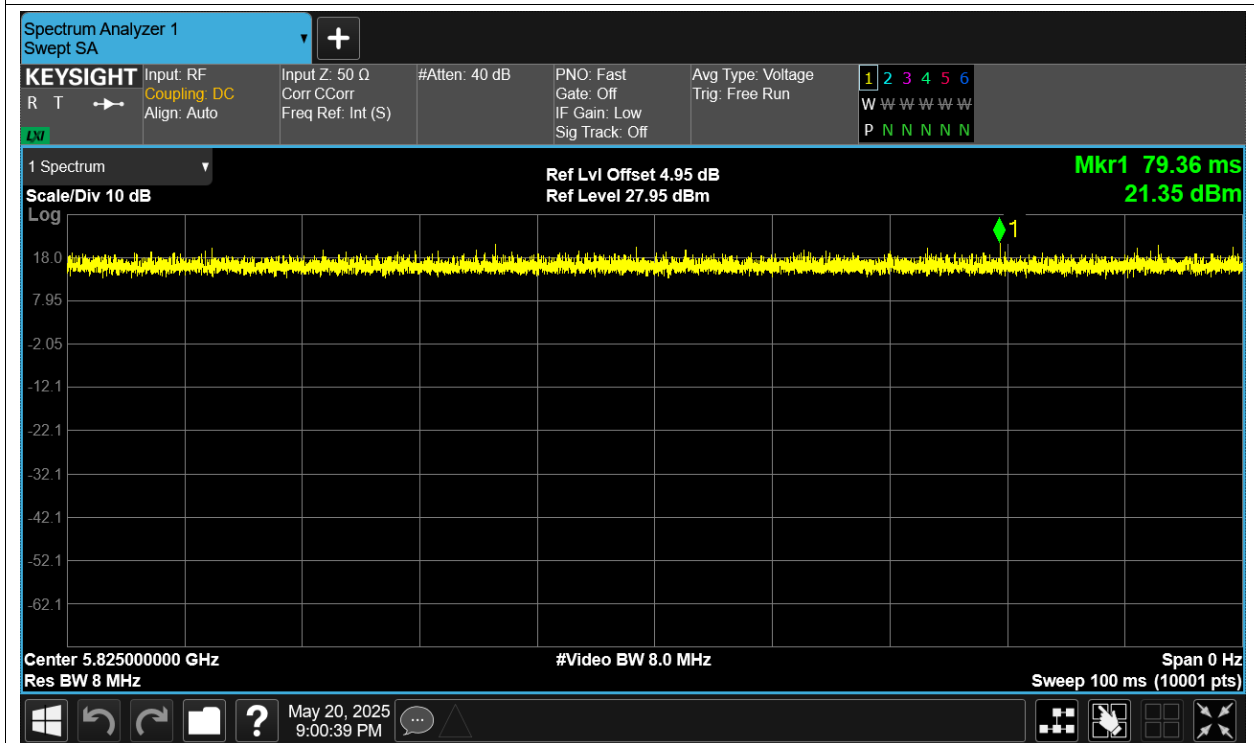
Duty Cycle NVNT ac20 5745MHz Ant1



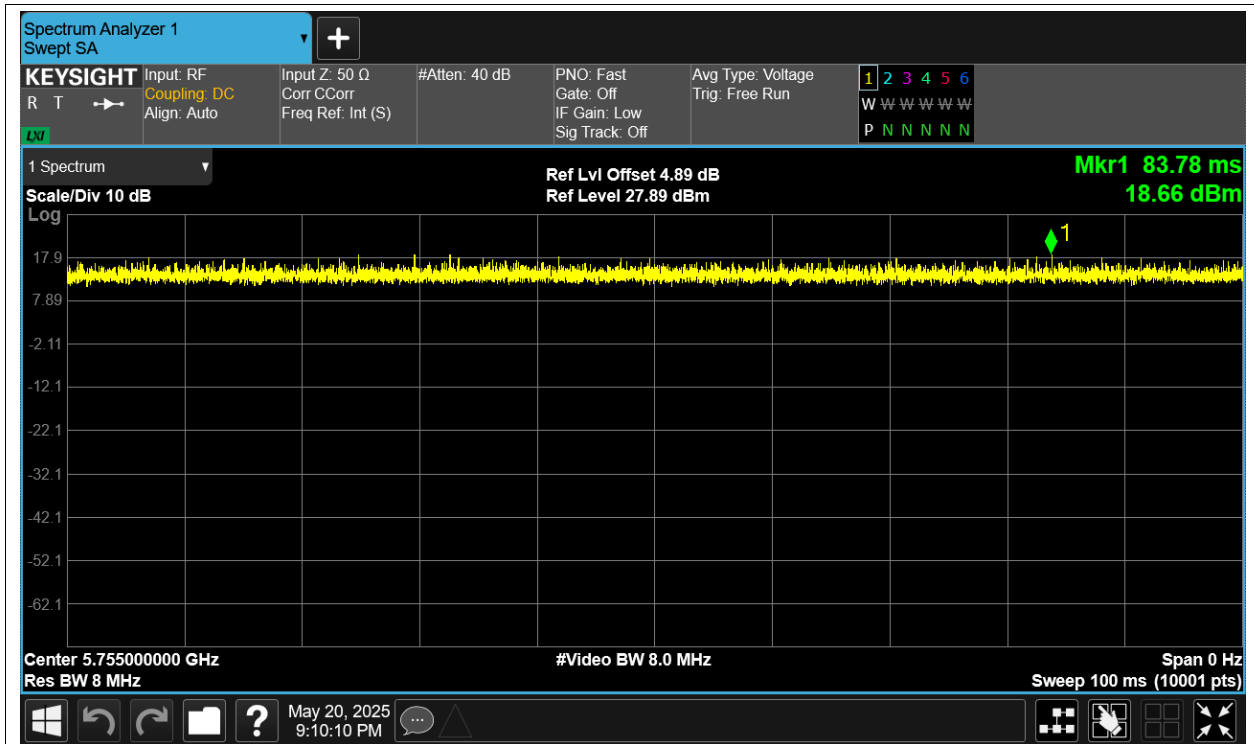
Duty Cycle NVNT ac20 5785MHz Ant1



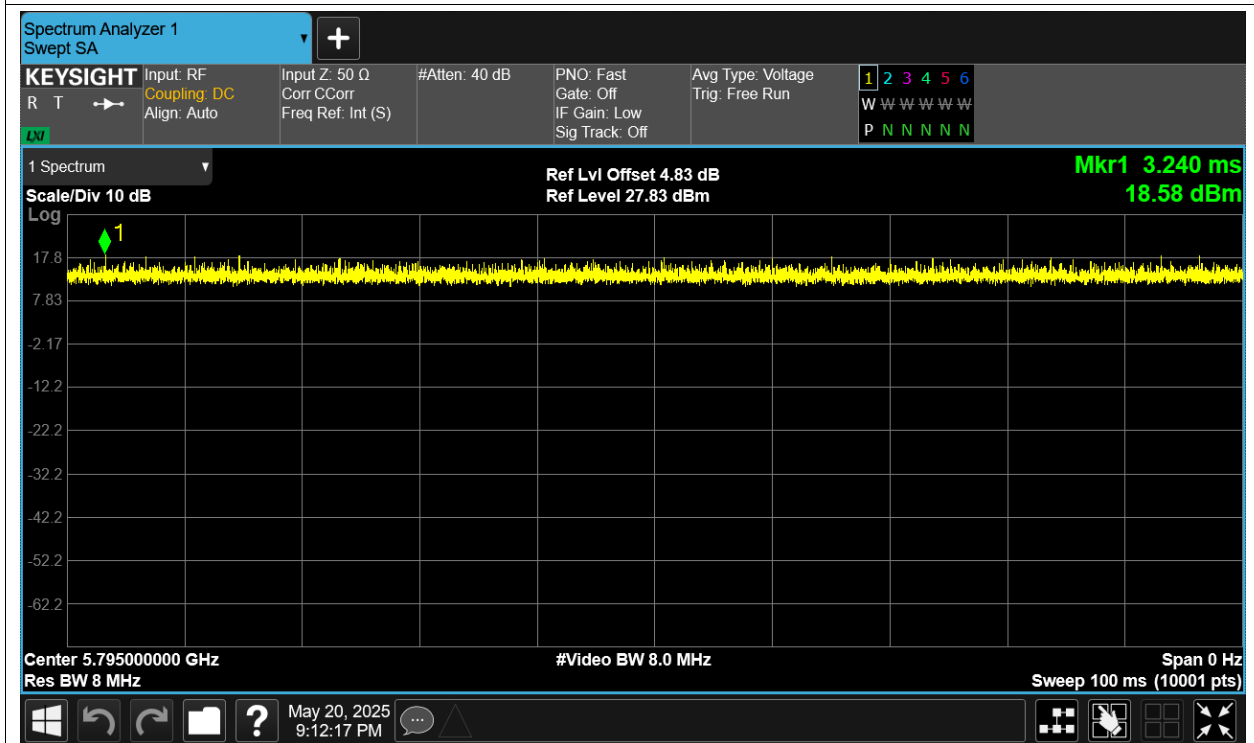
Duty Cycle NVNT ac20 5825MHz Ant1



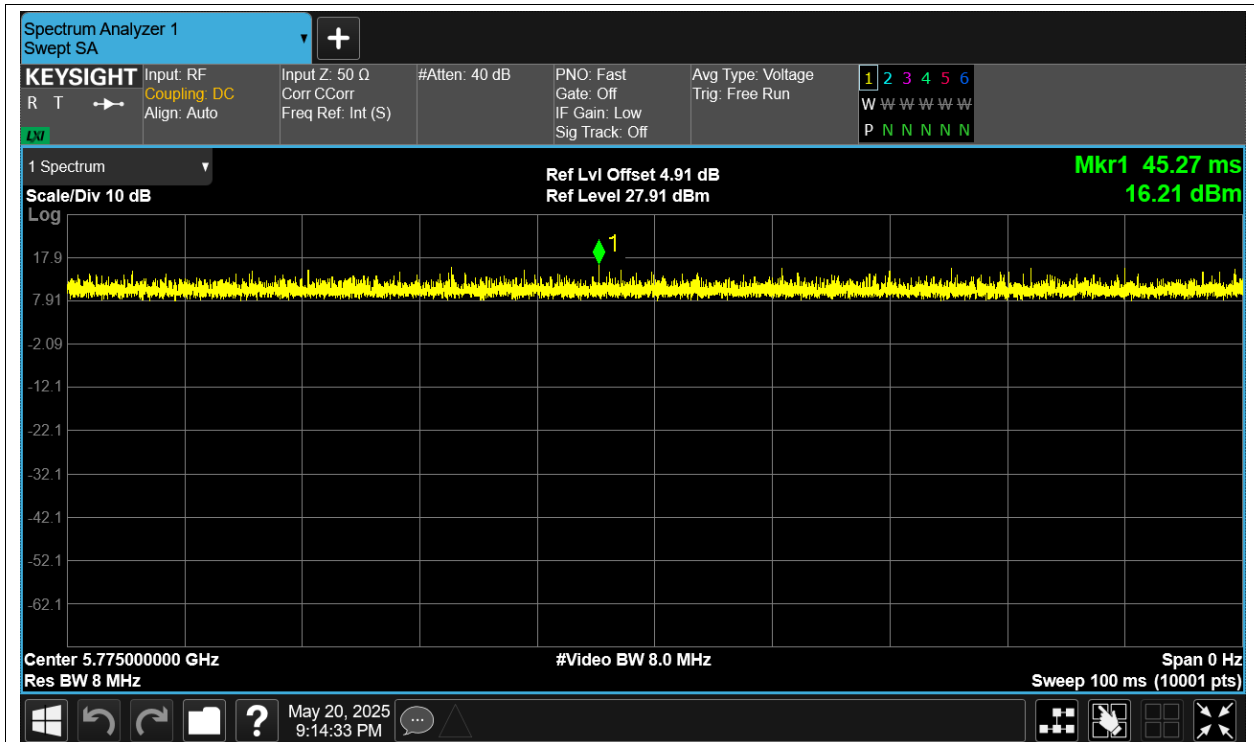
Duty Cycle NVNT ac40 5755MHz Ant1



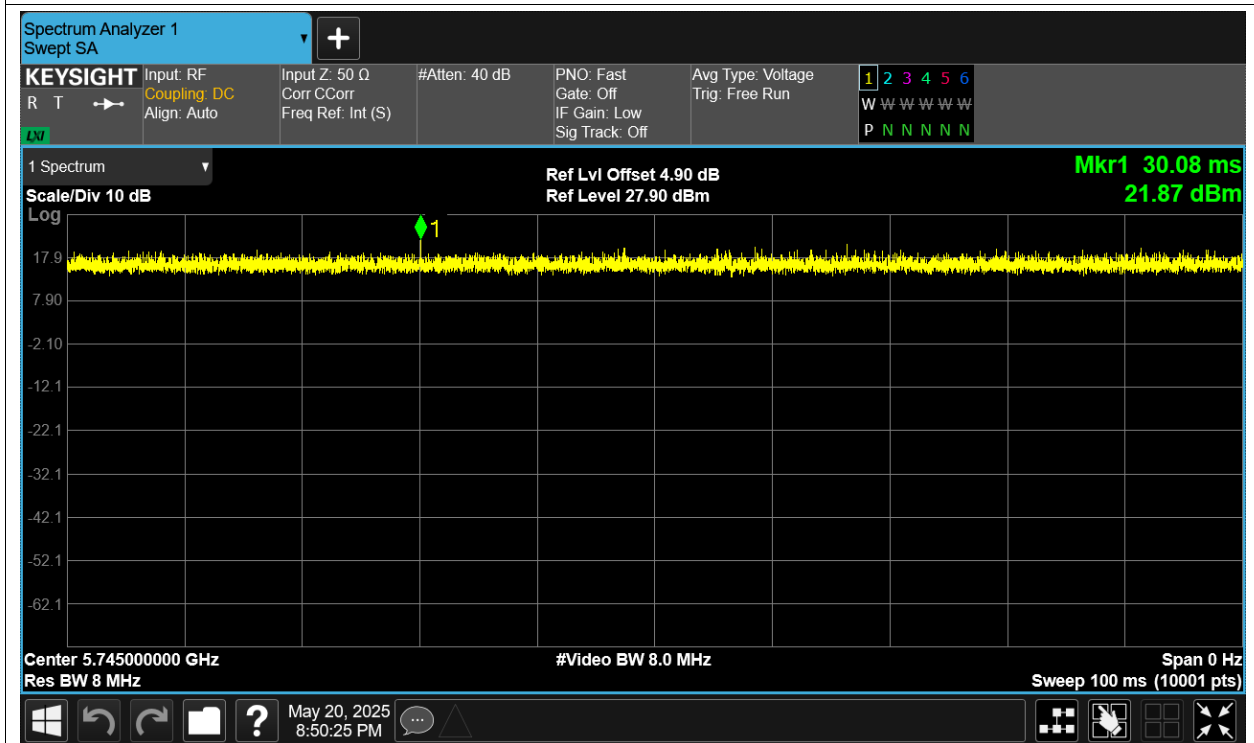
Duty Cycle NVNT ac40 5795MHz Ant1



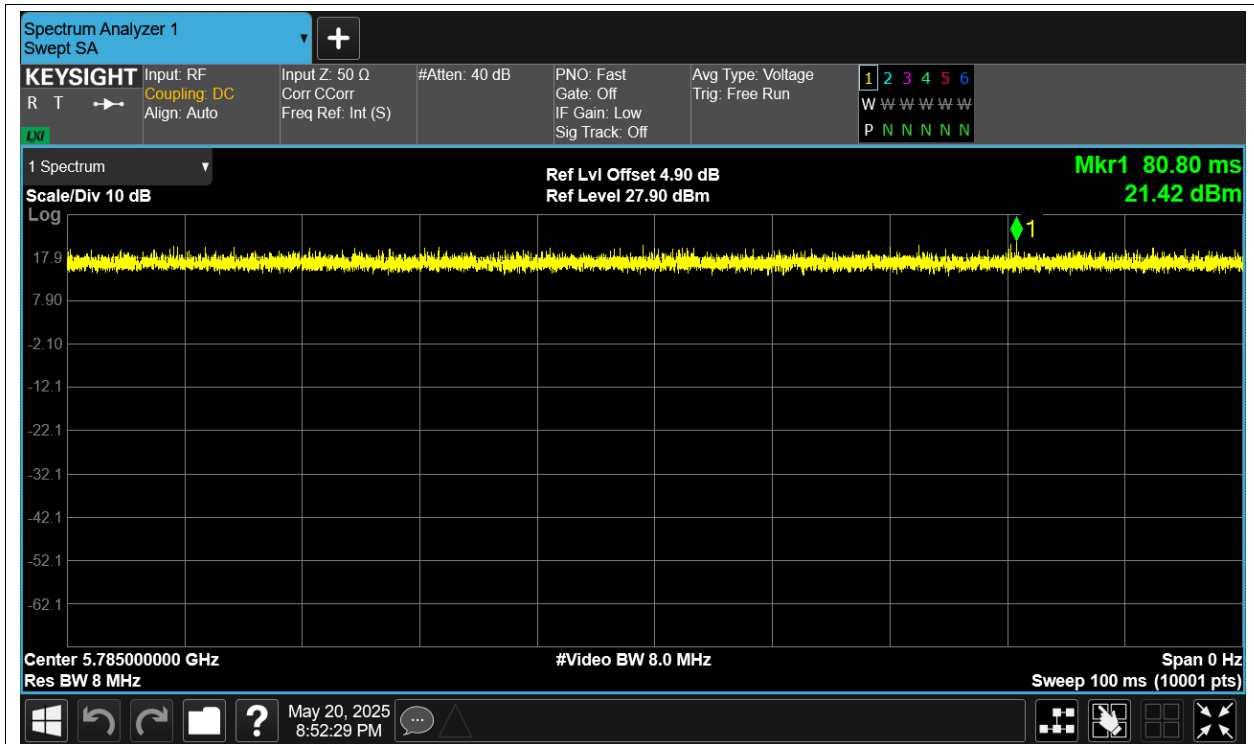
Duty Cycle NVNT ac80 5775MHz Ant1



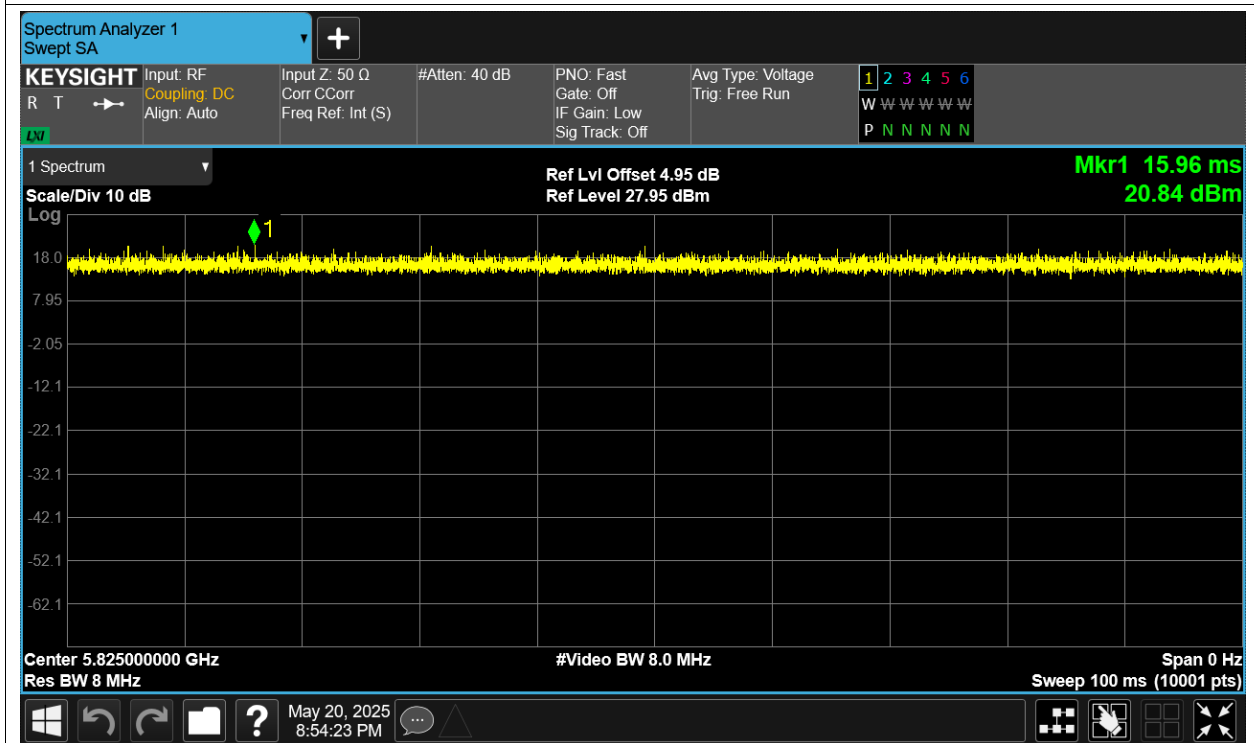
Duty Cycle NVNT n20 5745MHz Ant1



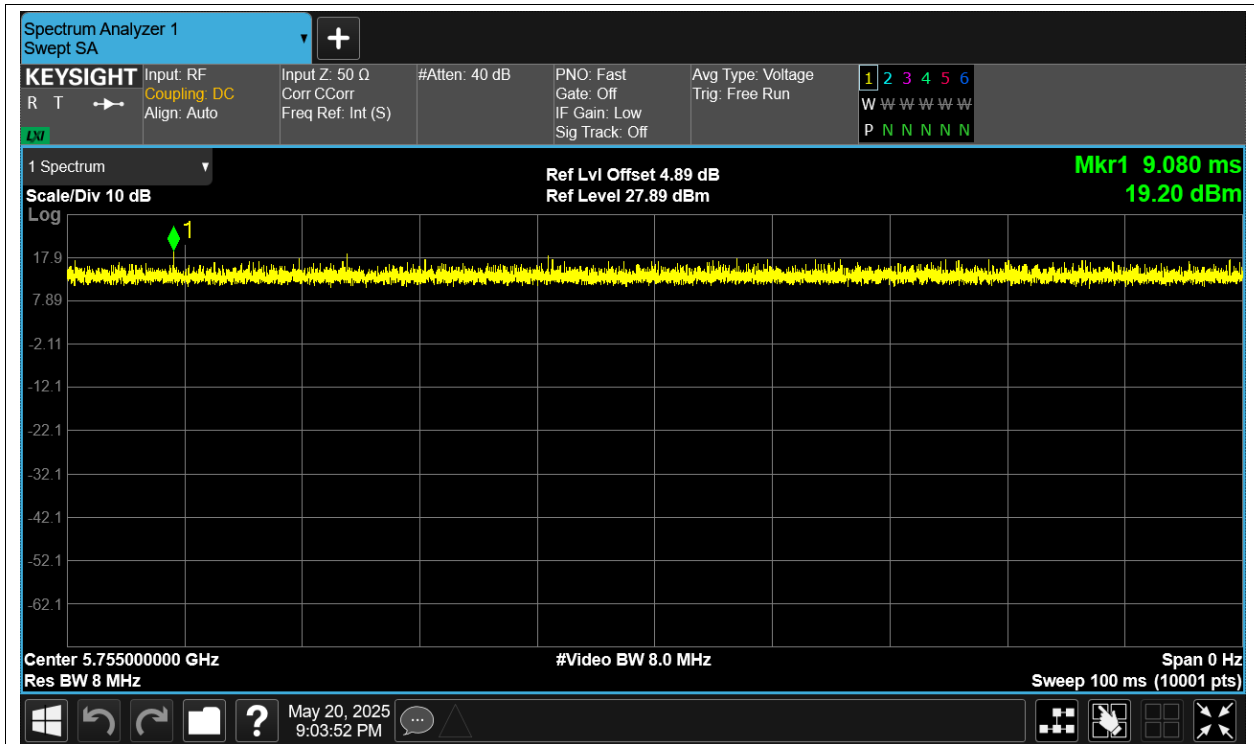
Duty Cycle NVNT n20 5785MHz Ant1



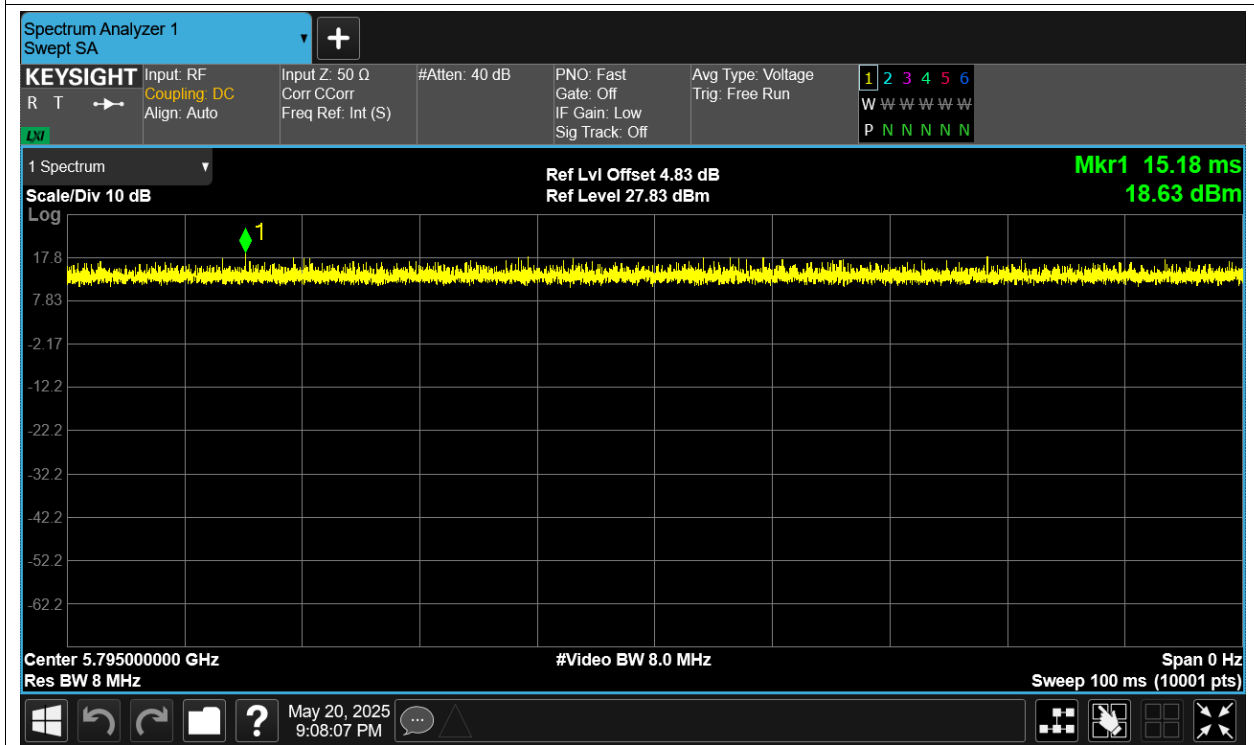
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



Maximum Conducted Output Power

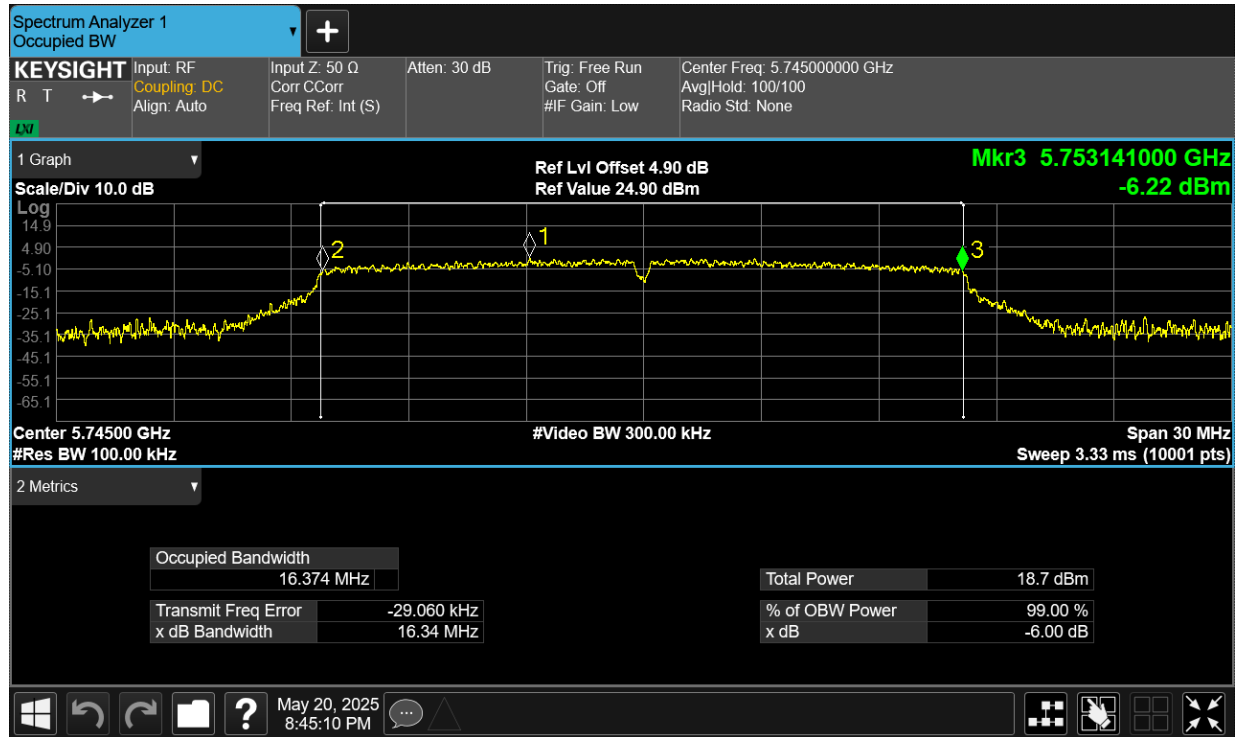
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	12.61	0	12.61	30	Pass
NVNT	a	5785	Ant1	13.61	0	13.61	30	Pass
NVNT	a	5825	Ant1	12.5	0	12.5	30	Pass
NVNT	ac20	5745	Ant1	11.76	0	11.76	30	Pass
NVNT	ac20	5785	Ant1	12.64	0	12.64	30	Pass
NVNT	ac20	5825	Ant1	11.4	0	11.4	30	Pass
NVNT	ac40	5755	Ant1	11.59	0	11.59	30	Pass
NVNT	ac40	5795	Ant1	12.11	0	12.11	30	Pass
NVNT	ac80	5775	Ant1	11.8	0	11.8	30	Pass
NVNT	n20	5745	Ant1	11.64	0	11.64	30	Pass
NVNT	n20	5785	Ant1	12.67	0	12.67	30	Pass
NVNT	n20	5825	Ant1	11.39	0	11.39	30	Pass
NVNT	n40	5755	Ant1	11.5	0	11.5	30	Pass
NVNT	n40	5795	Ant1	12.13	0	12.13	30	Pass

-6dB Bandwidth

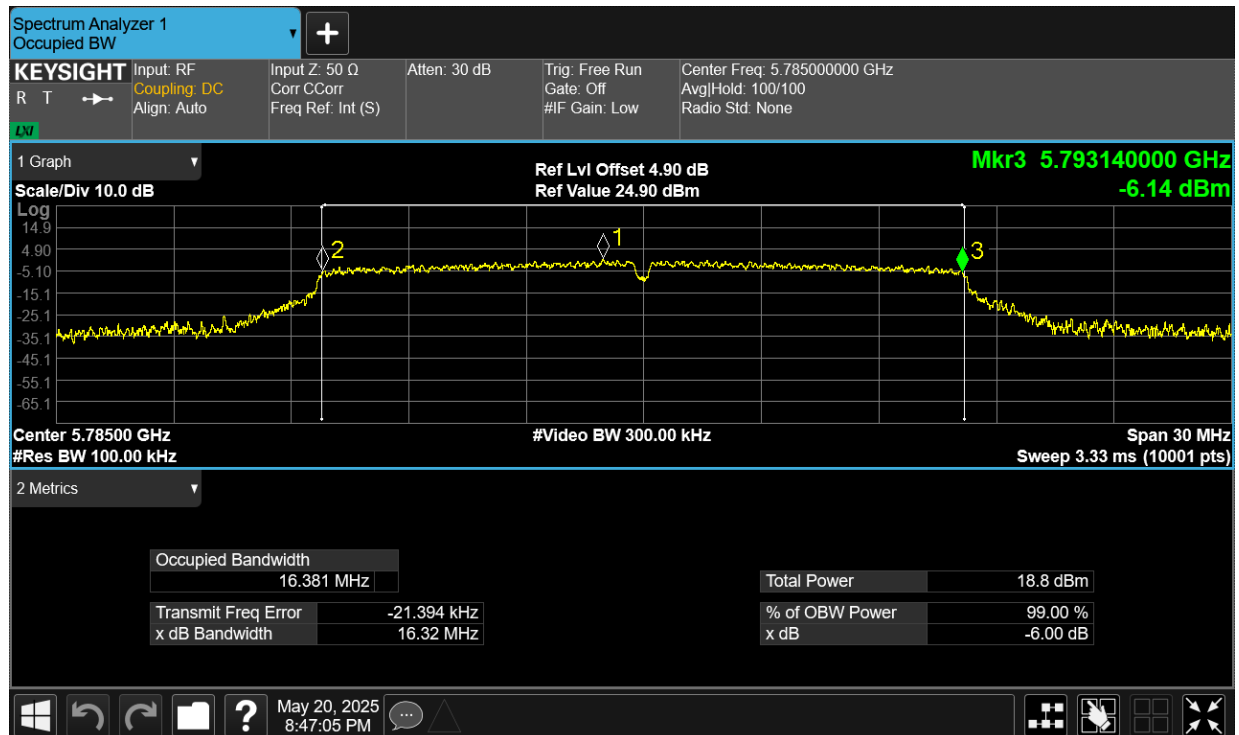
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit(MHz)	Verdic
NVNT	a	5745	Ant1	16.34	0.5	Pass
NVNT	a	5785	Ant1	16.323	0.5	Pass
NVNT	a	5825	Ant1	16.353	0.5	Pass
NVNT	ac20	5745	Ant1	17.546	0.5	Pass
NVNT	ac20	5785	Ant1	17.56	0.5	Pass
NVNT	ac20	5825	Ant1	17.592	0.5	Pass
NVNT	ac40	5755	Ant1	36.301	0.5	Pass
NVNT	ac40	5795	Ant1	36.272	0.5	Pass
NVNT	ac80	5775	Ant1	76.282	0.5	Pass
NVNT	n20	5745	Ant1	17.569	0.5	Pass
NVNT	n20	5785	Ant1	17.579	0.5	Pass
NVNT	n20	5825	Ant1	17.597	0.5	Pass
NVNT	n40	5755	Ant1	35.912	0.5	Pass
NVNT	n40	5795	Ant1	35.782	0.5	Pass

Test Graphs

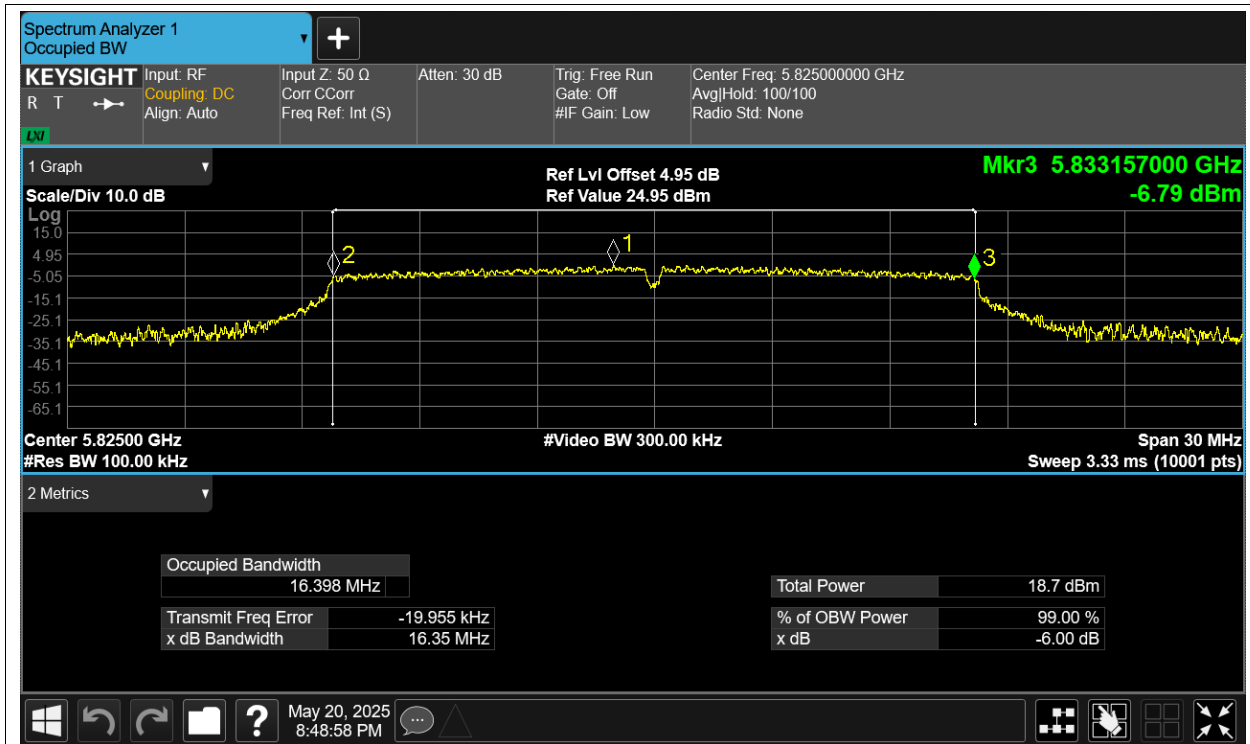
-6dB Bandwidth NVNT a 5745MHz Ant1



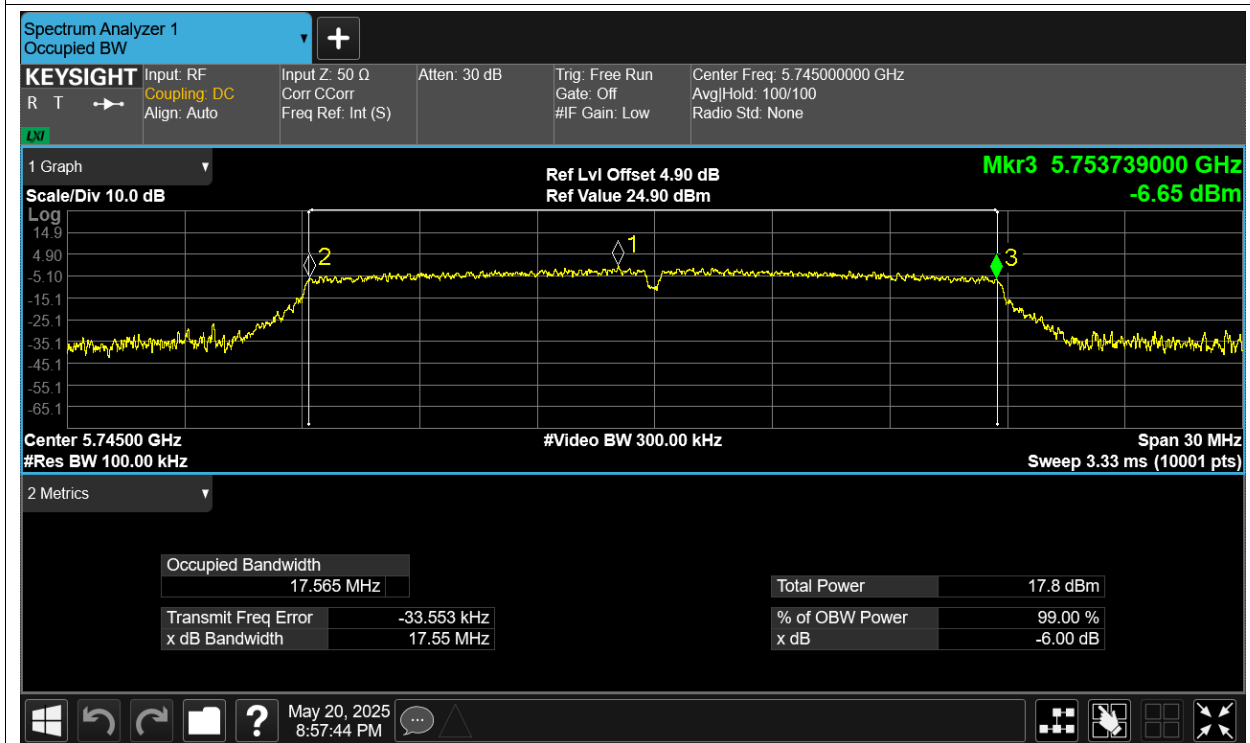
-6dB Bandwidth NVNT a 5785MHz Ant1



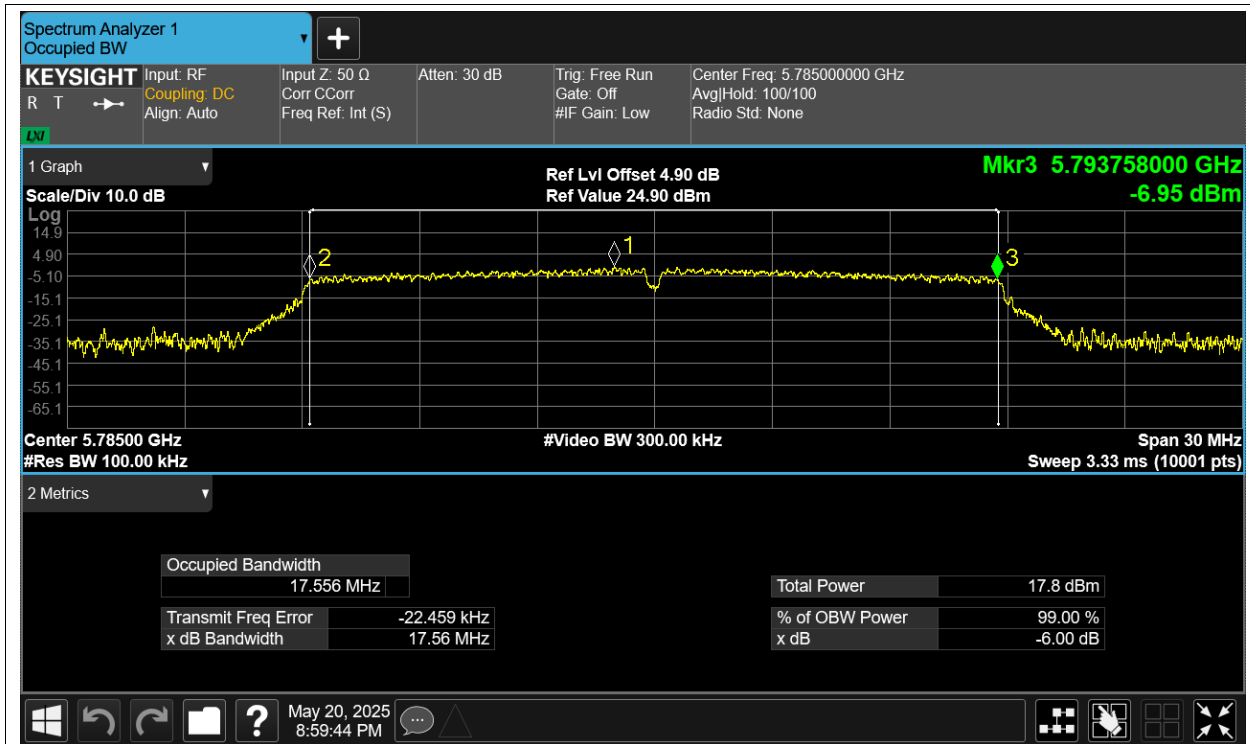
-6dB Bandwidth NVNT a 5825MHz Ant1



-6dB Bandwidth NVNT ac20 5745MHz Ant1



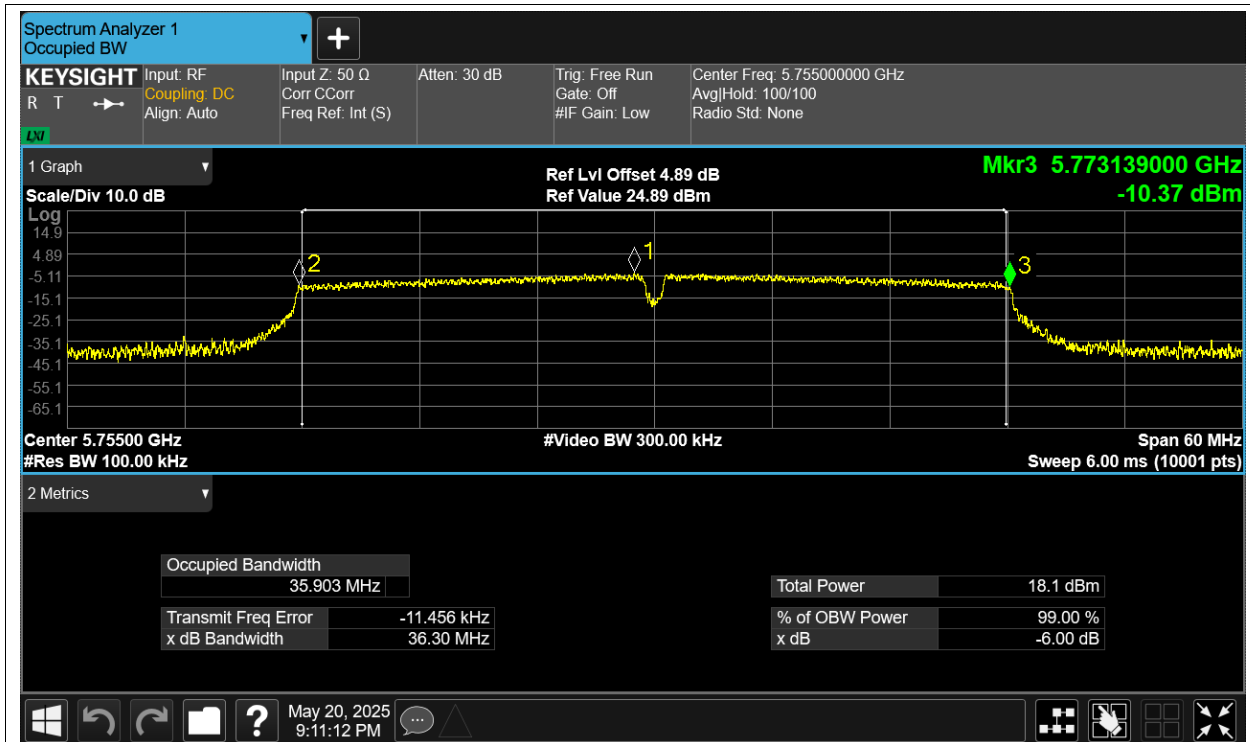
-6dB Bandwidth NVNT ac20 5785MHz Ant1



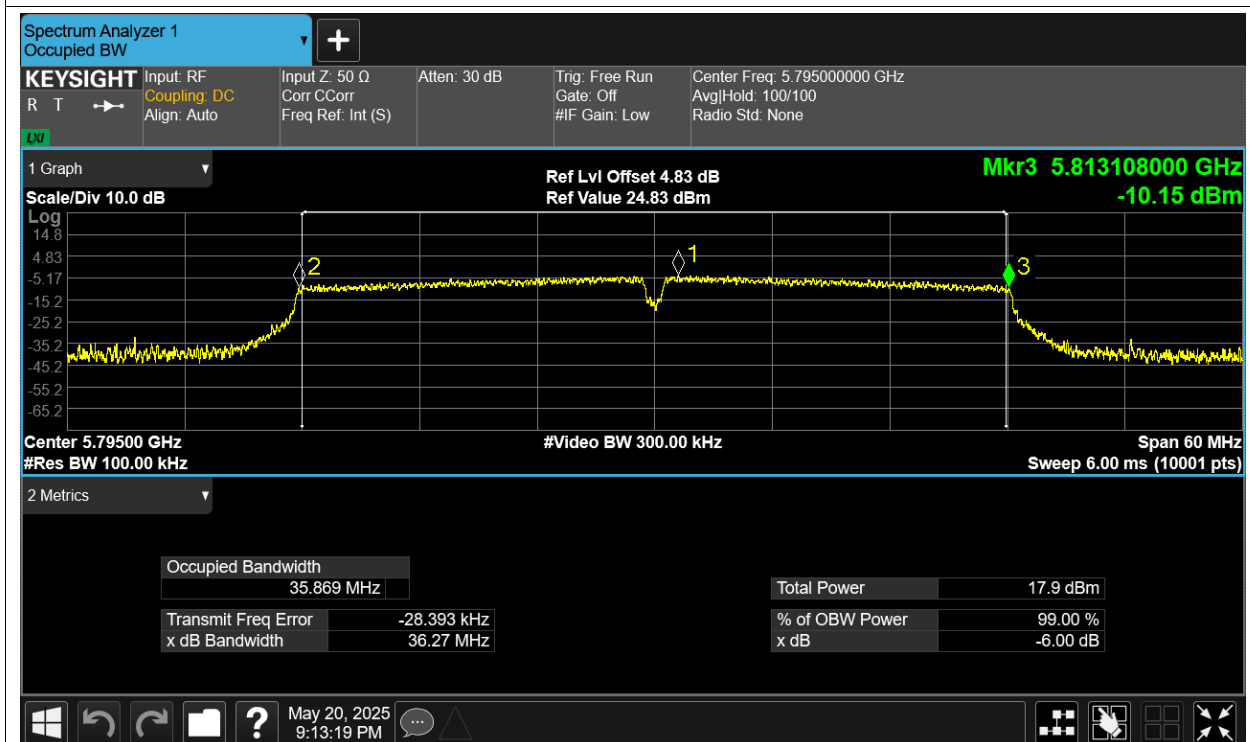
-6dB Bandwidth NVNT ac20 5825MHz Ant1



-6dB Bandwidth NVNT ac40 5755MHz Ant1



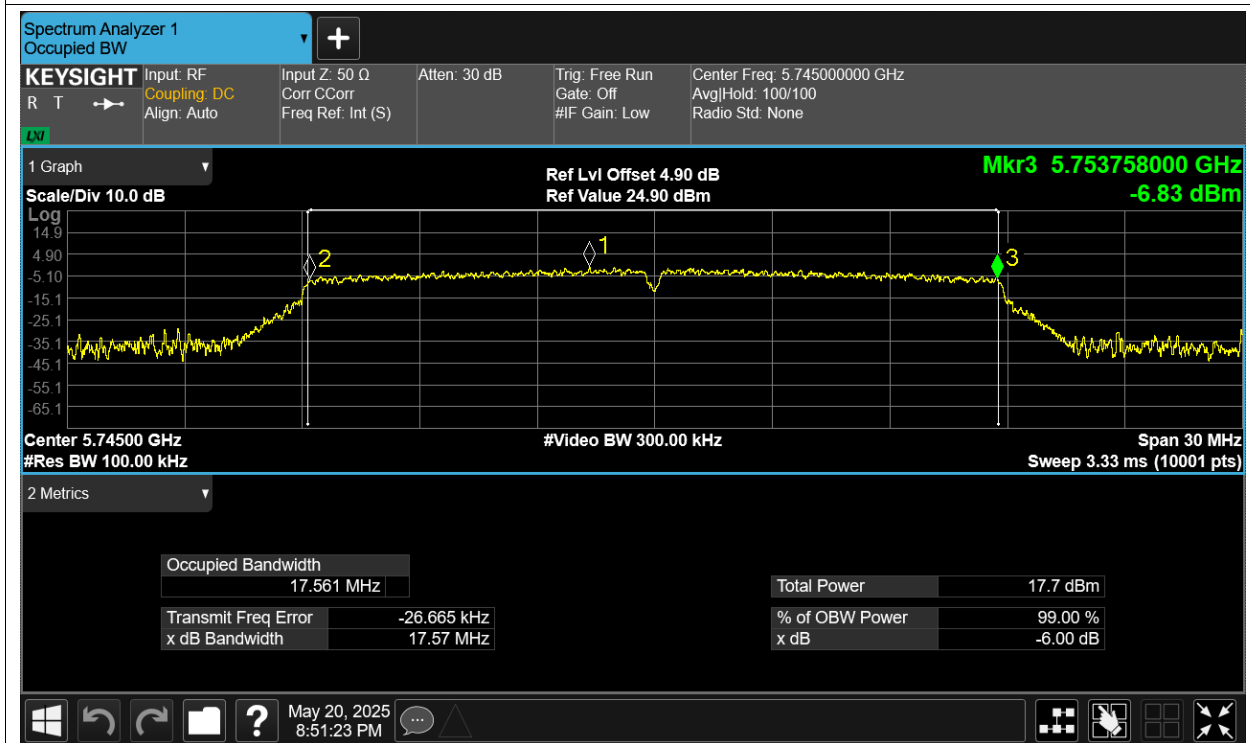
-6dB Bandwidth NVNT ac40 5795MHz Ant1



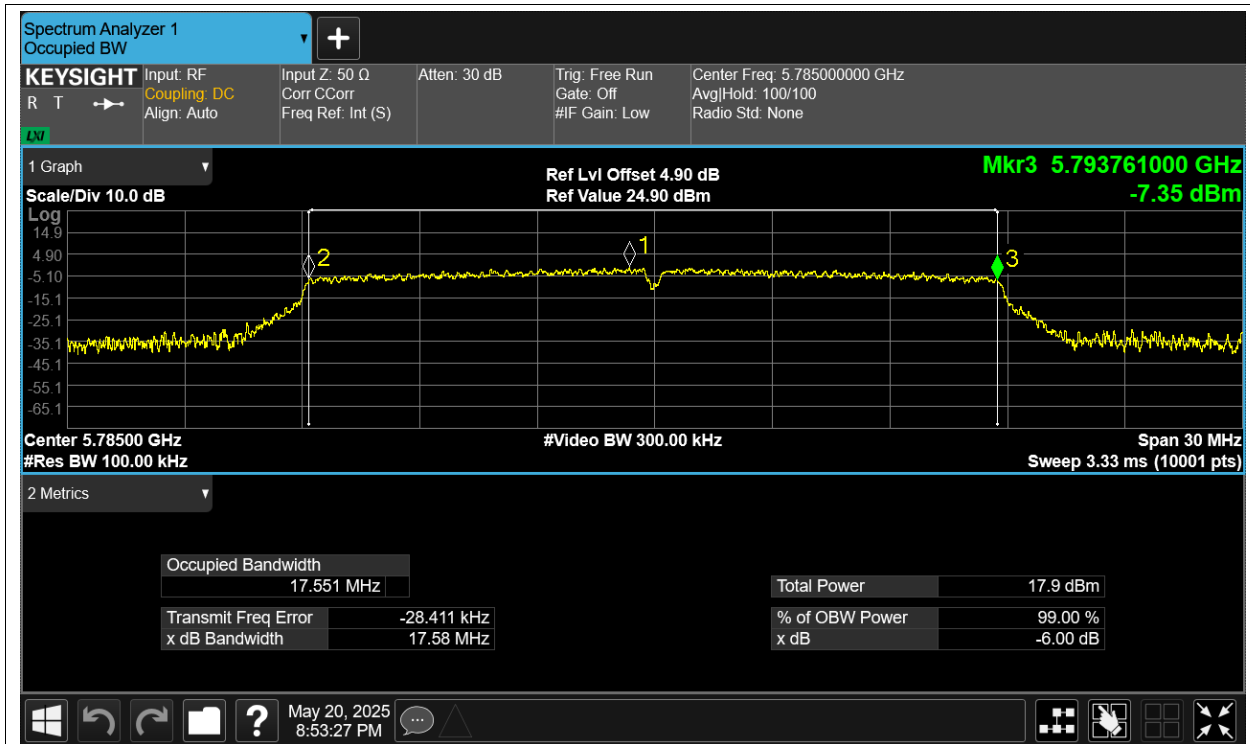
-6dB Bandwidth NVNT ac80 5775MHz Ant1



-6dB Bandwidth NVNT n20 5745MHz Ant1



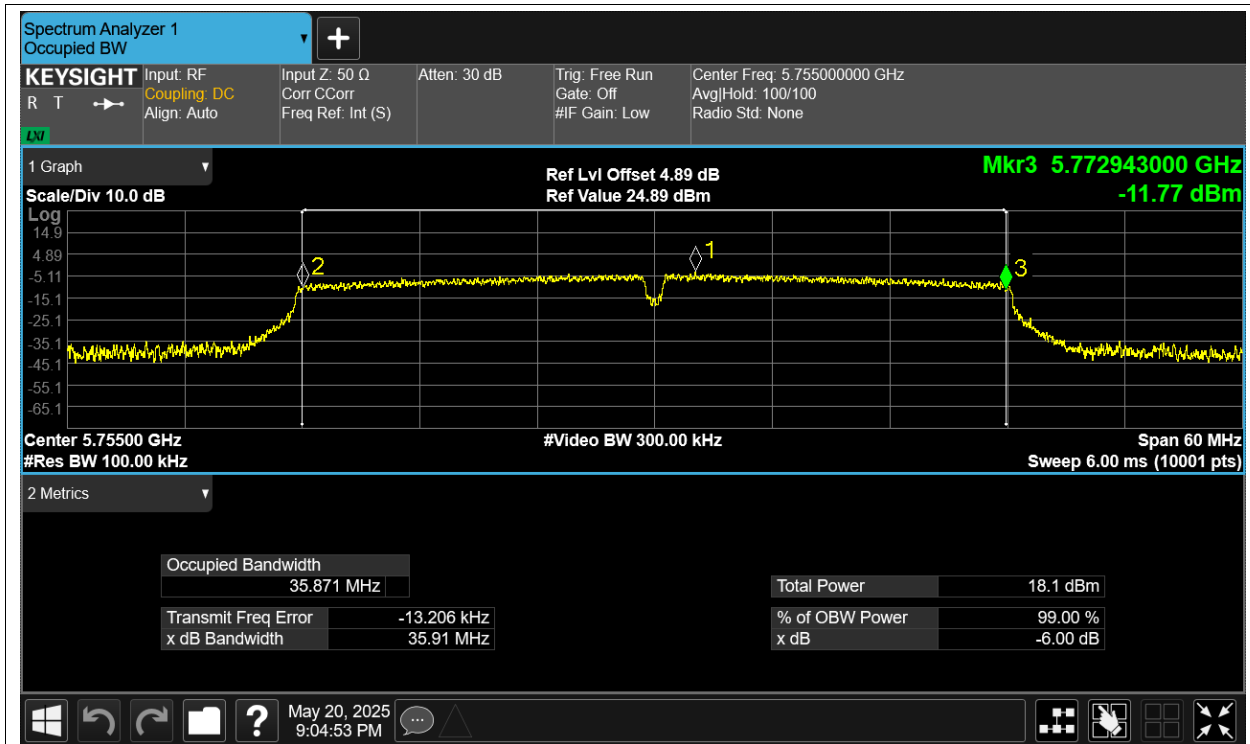
-6dB Bandwidth NVNT n20 5785MHz Ant1



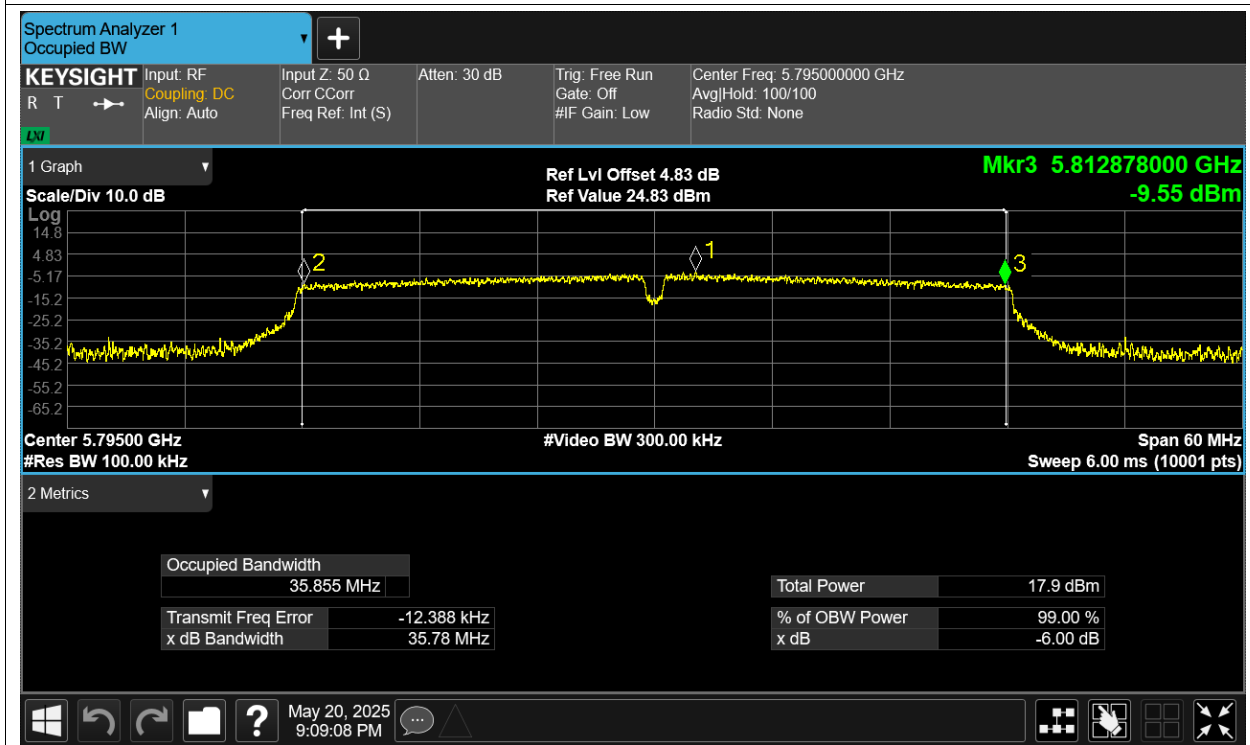
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

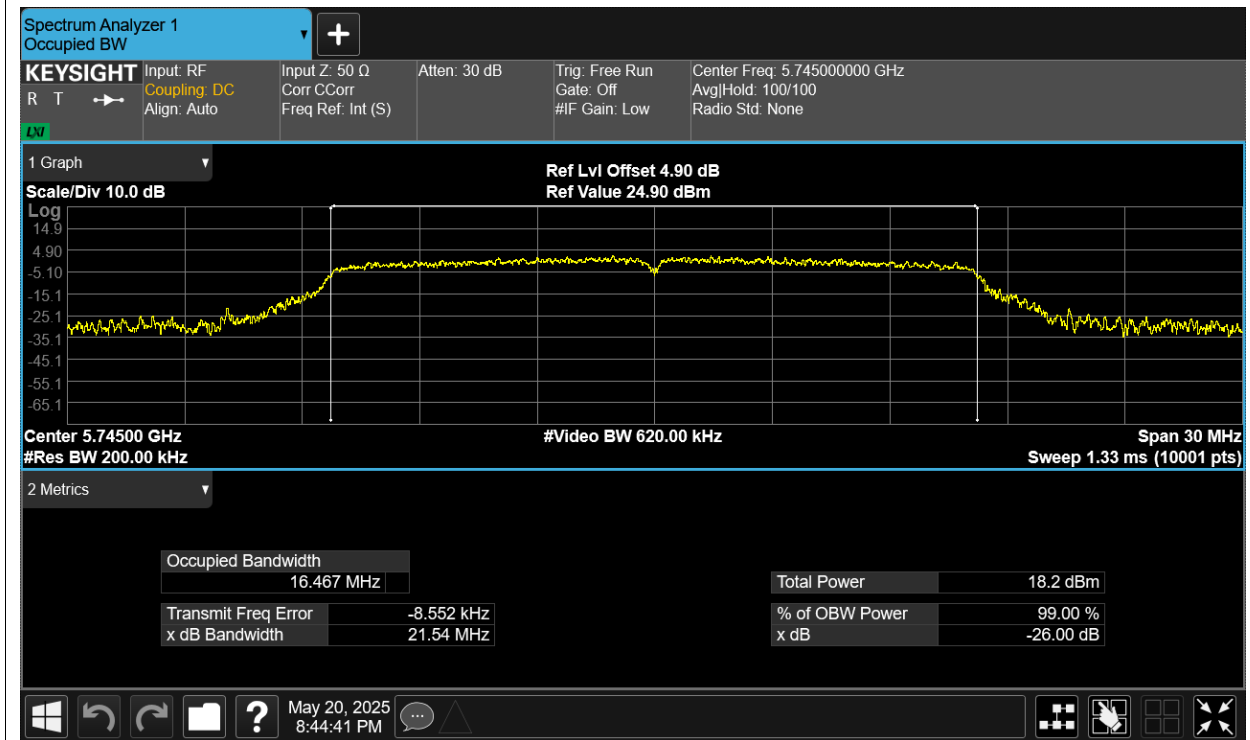


Occupied Channel Bandwidth

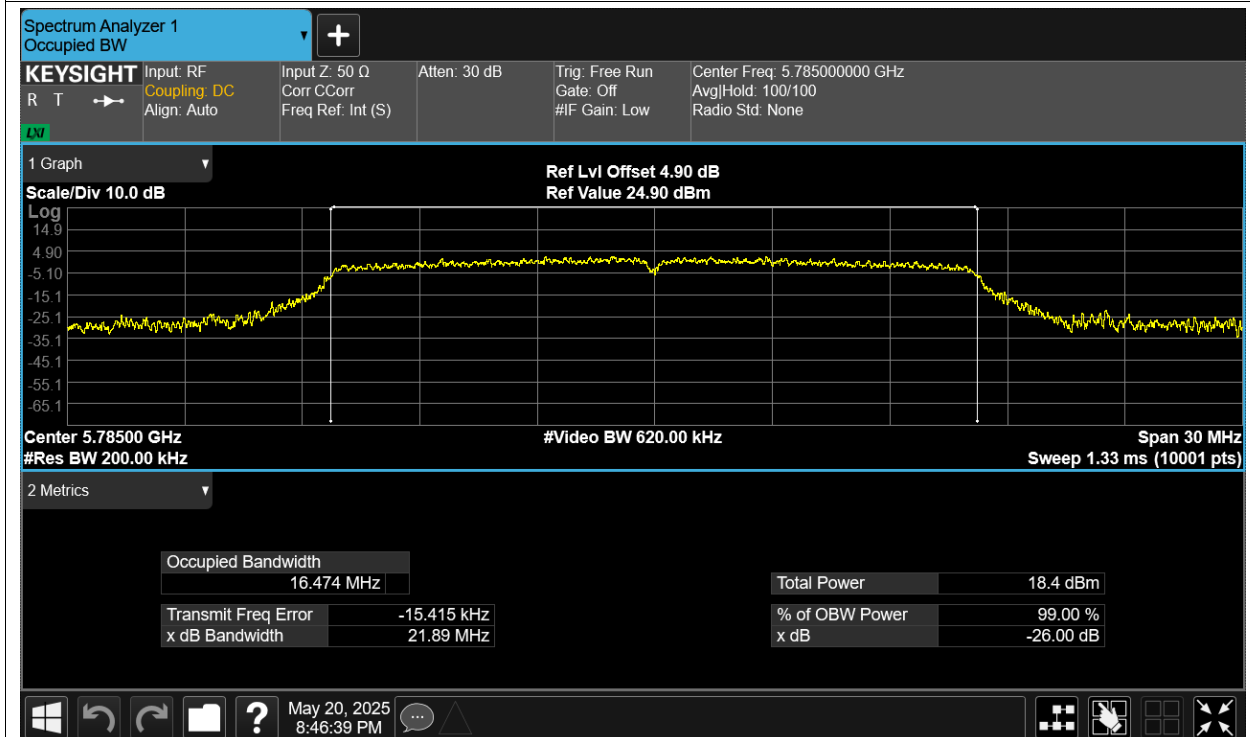
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.467
NVNT	a	5785	Ant1	16.474
NVNT	a	5825	Ant1	16.489
NVNT	ac20	5745	Ant1	17.587
NVNT	ac20	5785	Ant1	17.596
NVNT	ac20	5825	Ant1	17.589
NVNT	ac40	5755	Ant1	35.906
NVNT	ac40	5795	Ant1	35.885
NVNT	ac80	5775	Ant1	75.088
NVNT	n20	5745	Ant1	17.597
NVNT	n20	5785	Ant1	17.569
NVNT	n20	5825	Ant1	17.569
NVNT	n40	5755	Ant1	35.952
NVNT	n40	5795	Ant1	35.923

Test Graphs

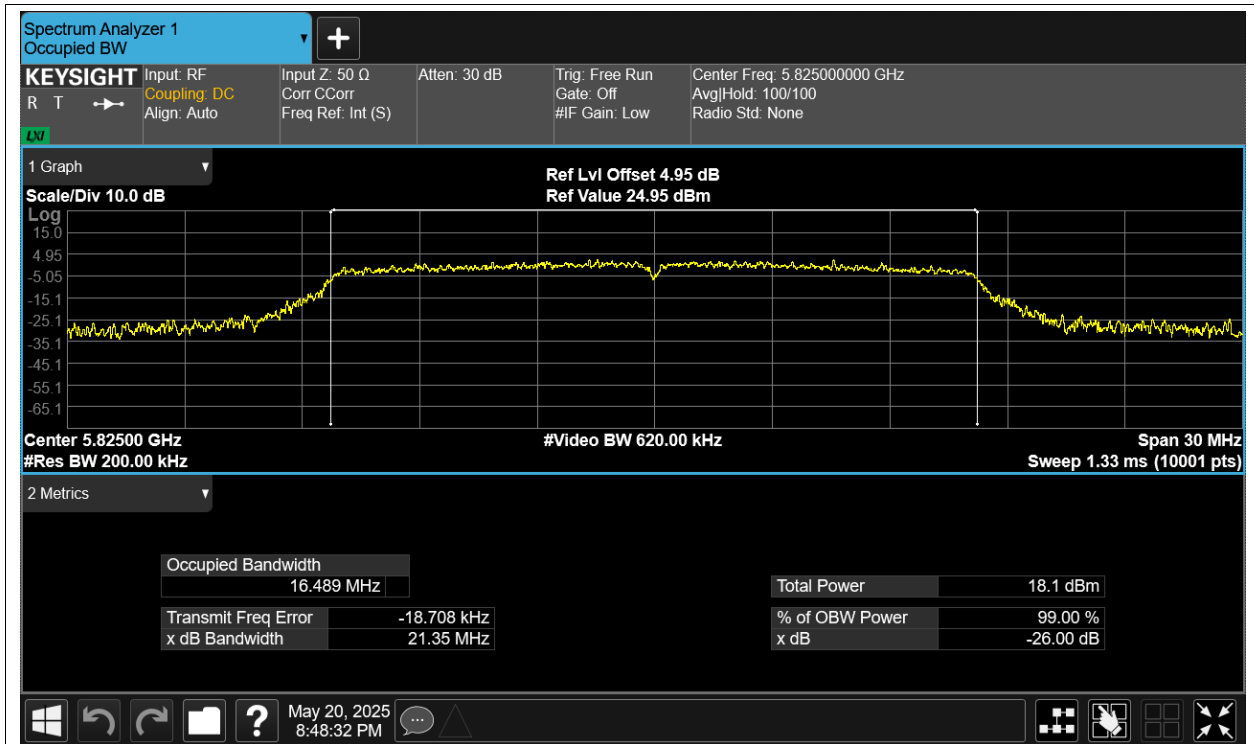
OBW NVNT a 5745MHz Ant1



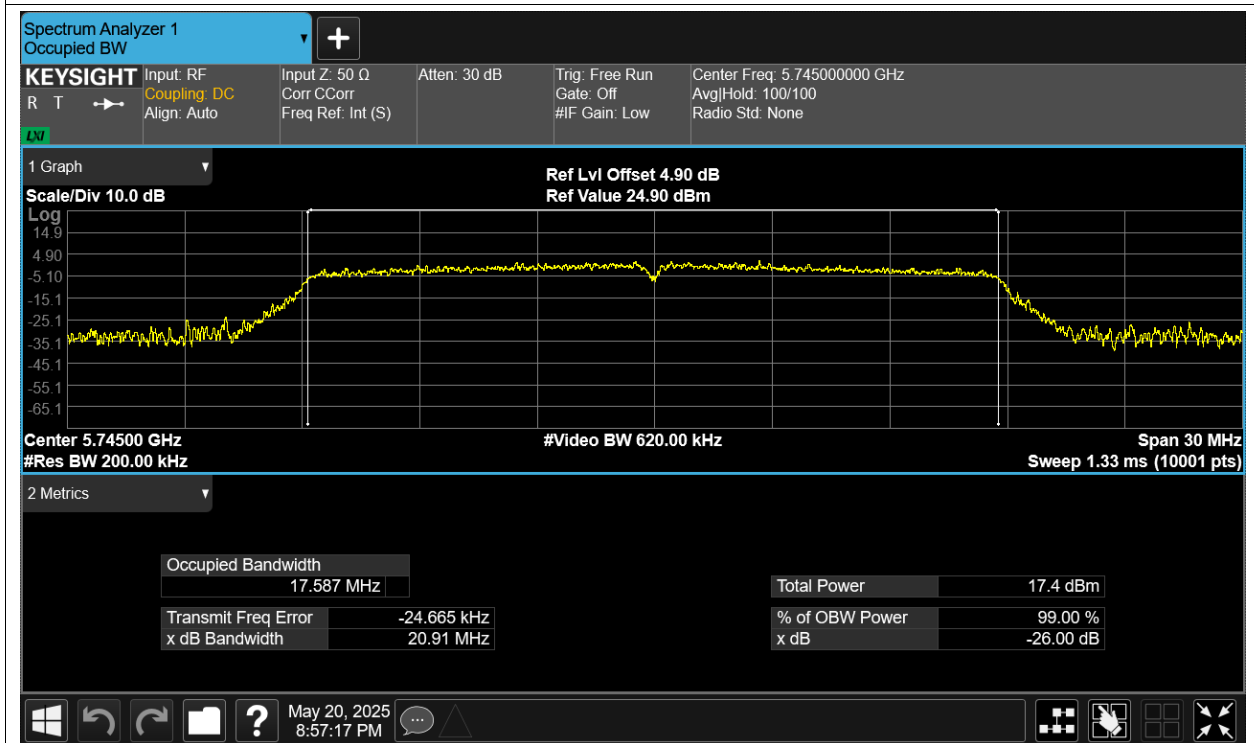
OBW NVNT a 5785MHz Ant1



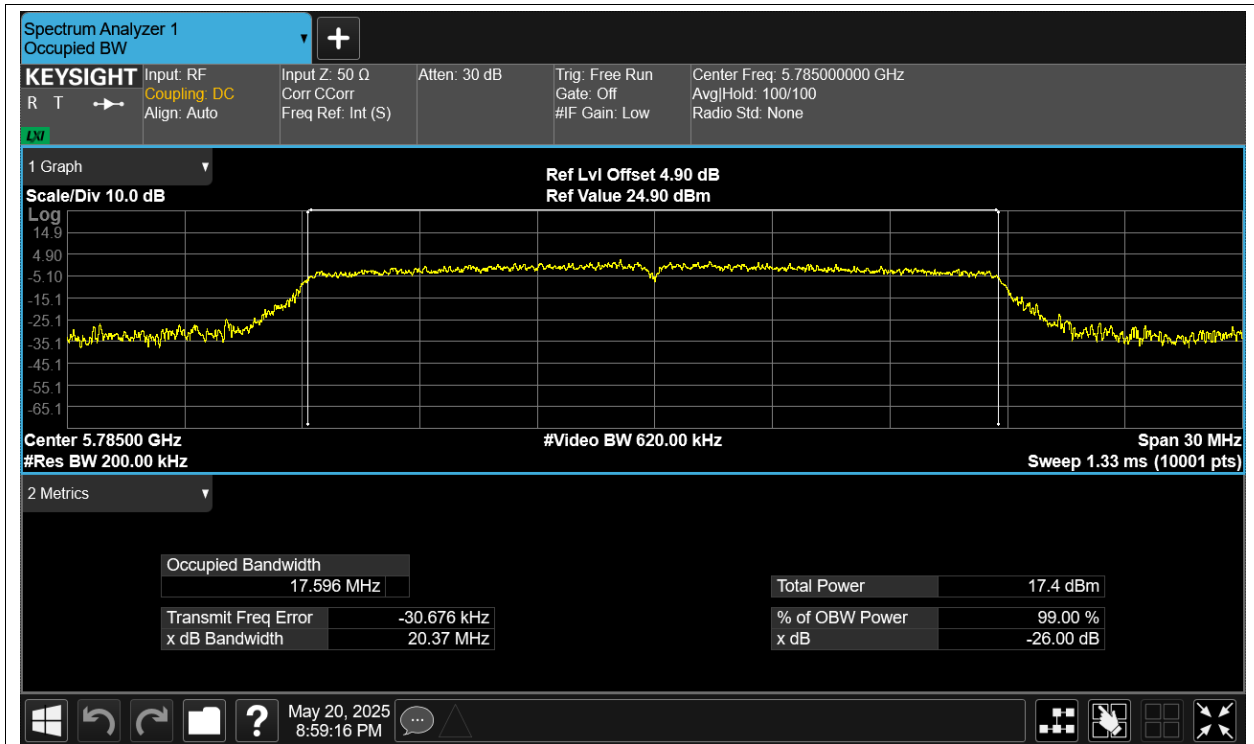
OBW NVNT a 5825MHz Ant1



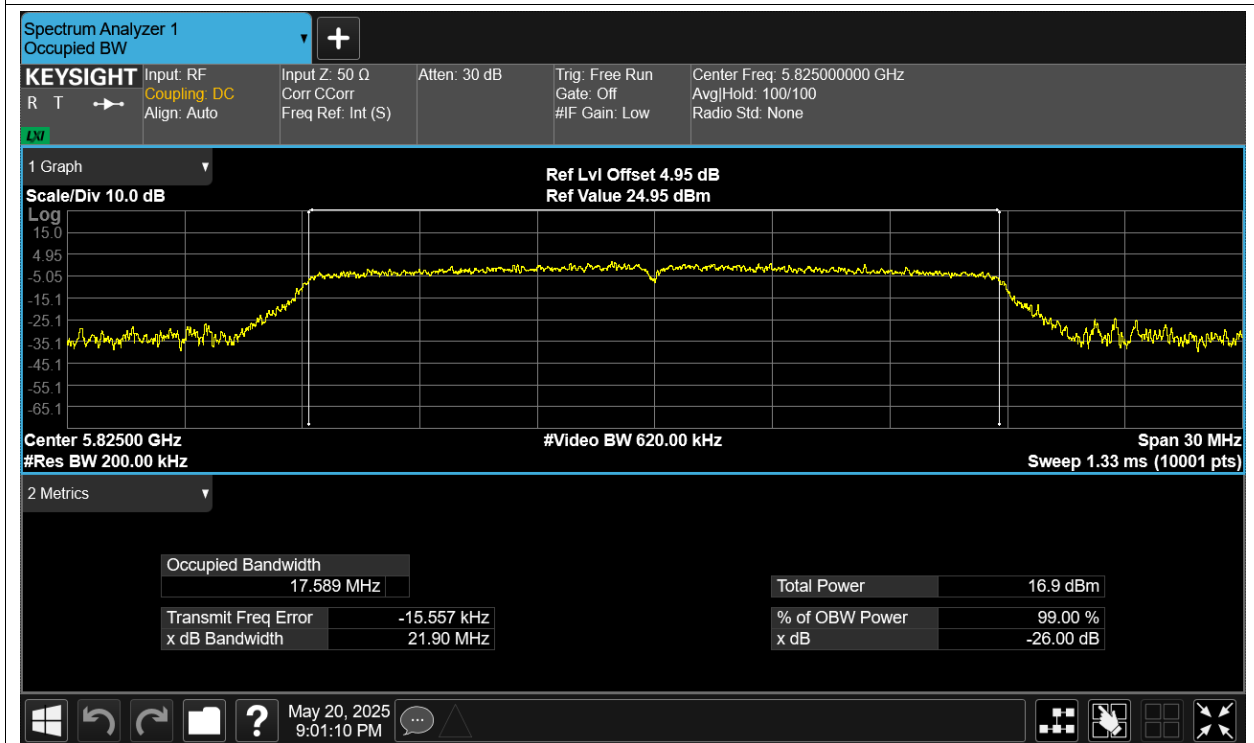
OBW NVNT ac20 5745MHz Ant1



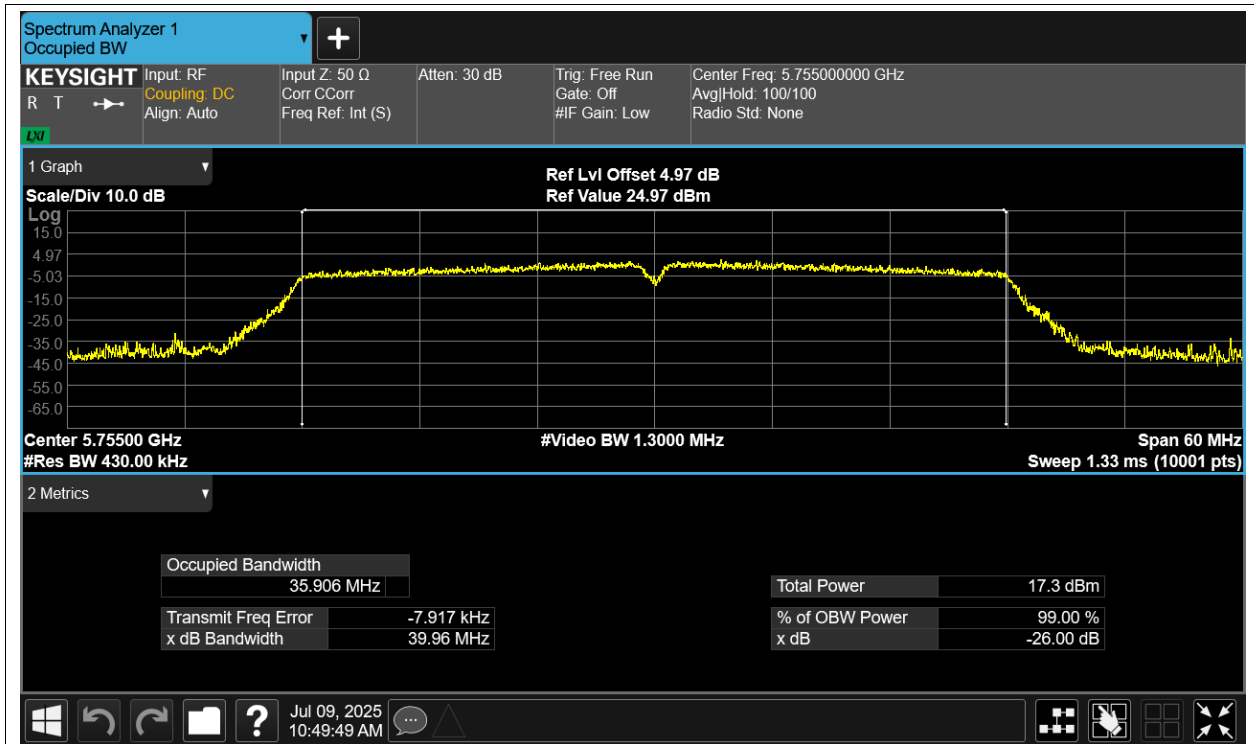
OBW NVNT ac20 5785MHz Ant1



OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1



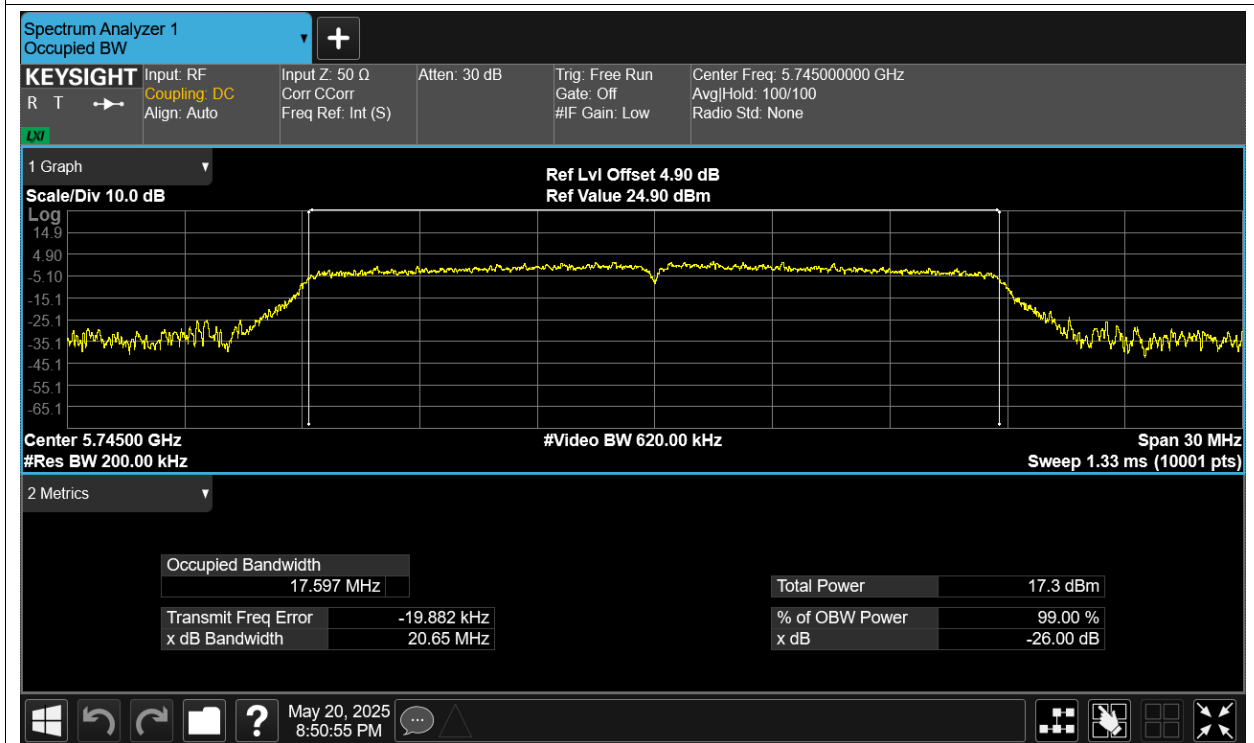
OBW NVNT ac40 5795MHz Ant1



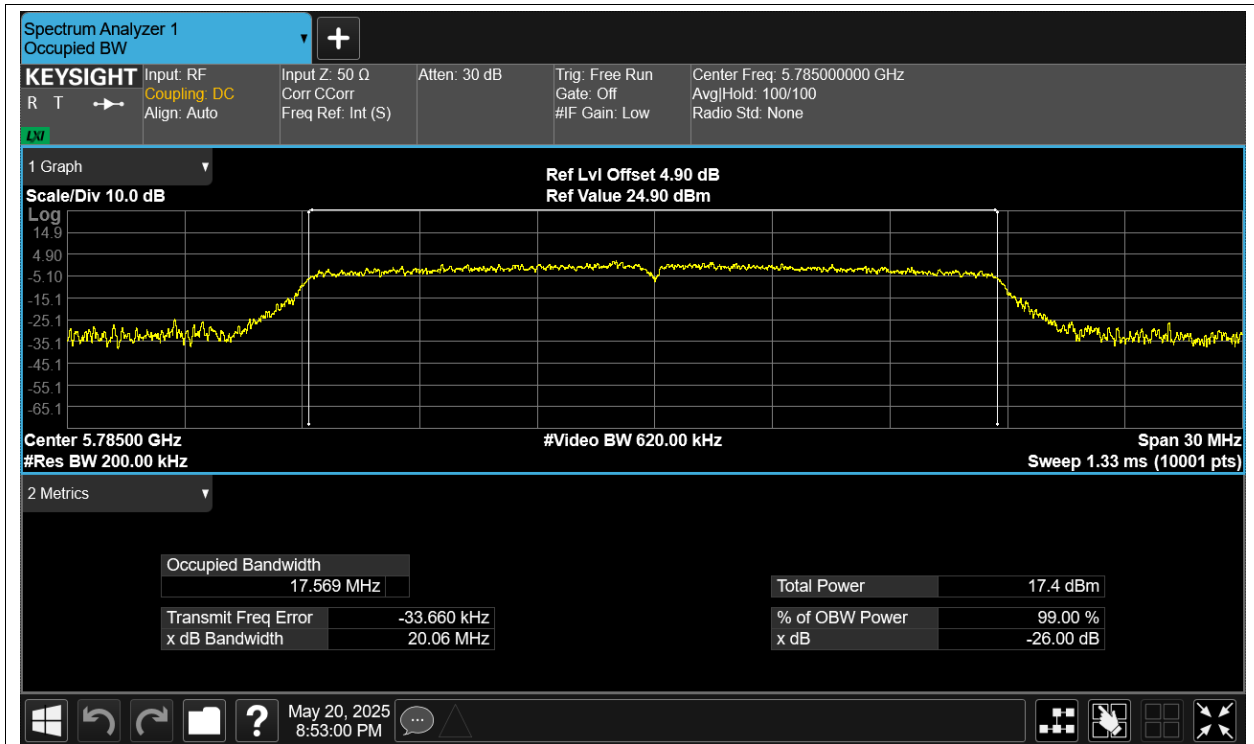
OBW NVNT ac80 5775MHz Ant1



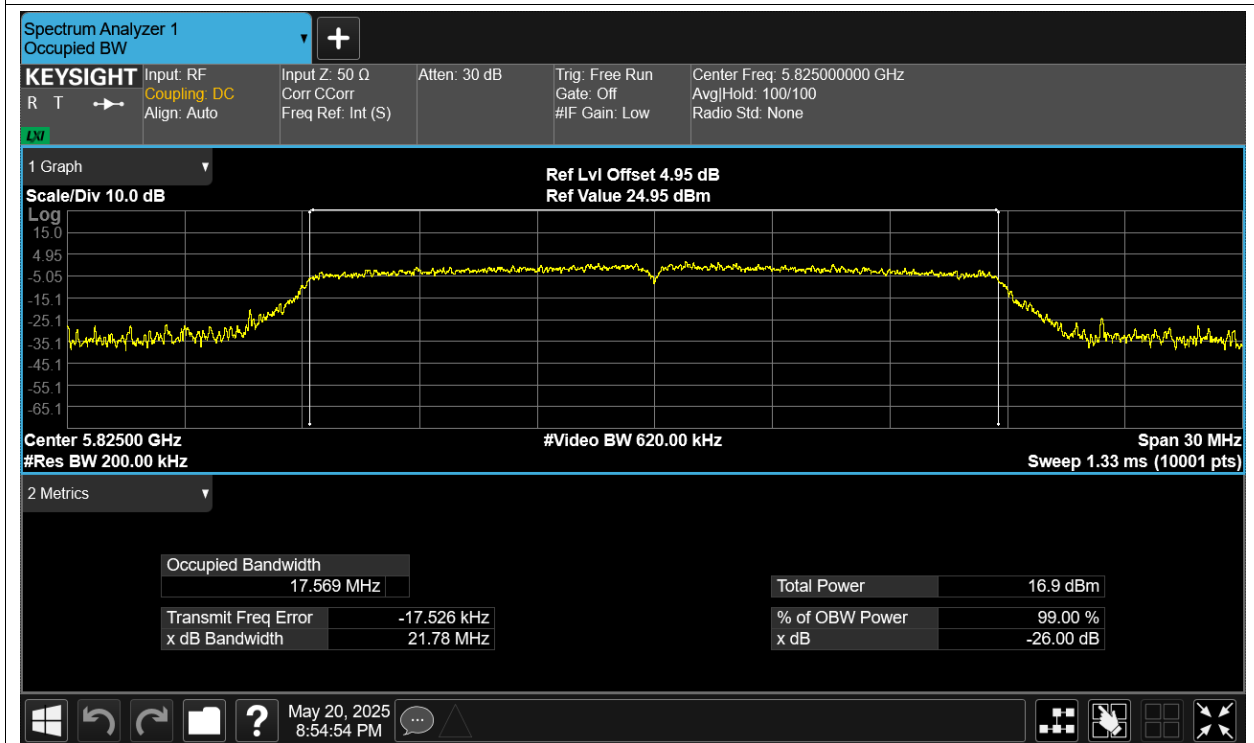
OBW NVNT n20 5745MHz Ant1



OBW NVNT n20 5785MHz Ant1



OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1



Maximum Power Spectral Density Level

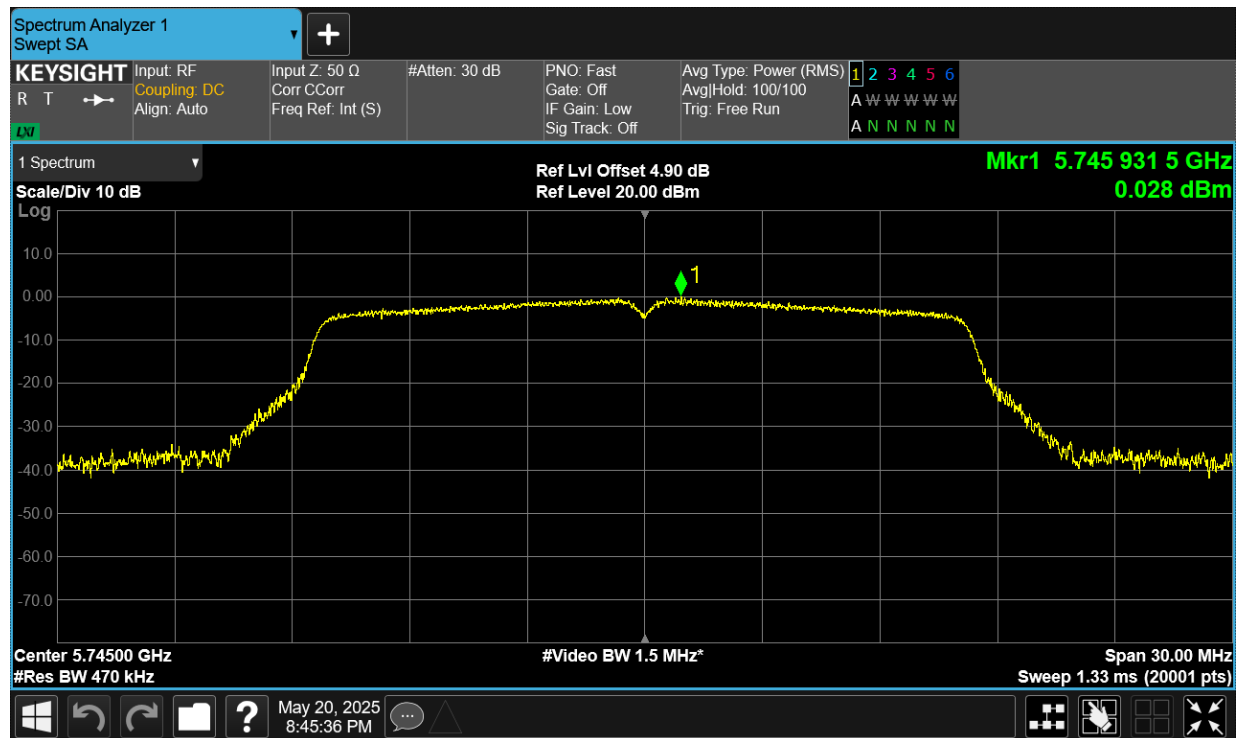
Condition	Mode	Frequency (MHz)	Antenna	RBW (KHz)	Measured Factor (dB)	Duty Factor (dB)	Conducted PSD (dBm/470kHz)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	Ant1	470	0.27	0	0.028	0.298	30	Pass
NVNT	a	5785	Ant1	470	0.27	0	-0.005	0.265	30	Pass
NVNT	a	5825	Ant1	470	0.27	0	-0.463	-0.193	30	Pass
NVNT	ac20	5745	Ant1	470	0.27	0	-1.306	-1.036	30	Pass
NVNT	ac20	5785	Ant1	470	0.27	0	-1.203	-0.933	30	Pass
NVNT	ac20	5825	Ant1	470	0.27	0	-1.878	-1.608	30	Pass
NVNT	ac40	5755	Ant1	470	0.27	0	-3.186	-2.916	30	Pass
NVNT	ac40	5795	Ant1	470	0.27	0	-3.143	-2.873	30	Pass
NVNT	ac80	5775	Ant1	470	0.27	0	-6.472	-6.202	30	Pass
NVNT	n20	5745	Ant1	470	0.27	0	-1.289	-1.019	30	Pass
NVNT	n20	5785	Ant1	470	0.27	0	-1.316	-1.046	30	Pass
NVNT	n20	5825	Ant1	470	0.27	0	-1.64	-1.37	30	Pass
NVNT	n40	5755	Ant1	470	0.27	0	-3.089	-2.819	30	Pass
NVNT	n40	5795	Ant1	470	0.27	0	-3.196	-2.926	30	Pass

Note: Total PSD (dBm) = Conducted PSD (dBm) + Measure Factor + Duty Factor,

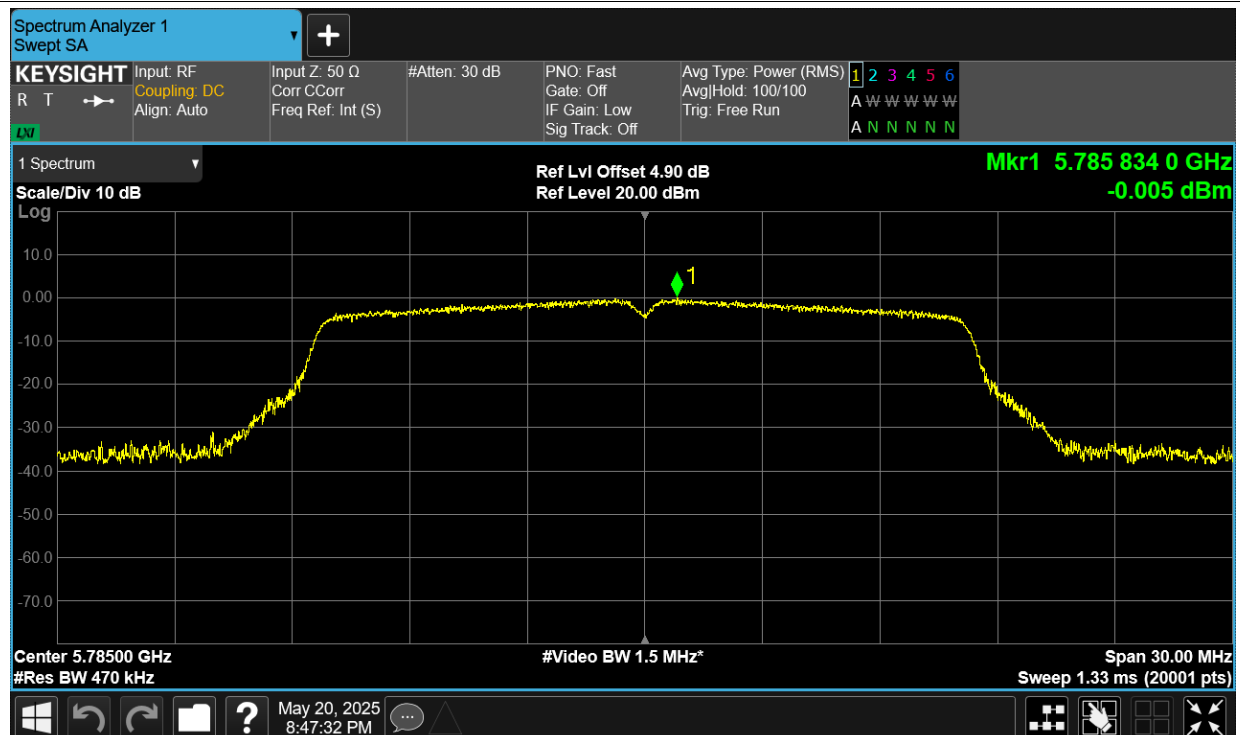
Measured Factor= 10 log (MBW/RBW), MBW=500 KHz.

Test Graphs

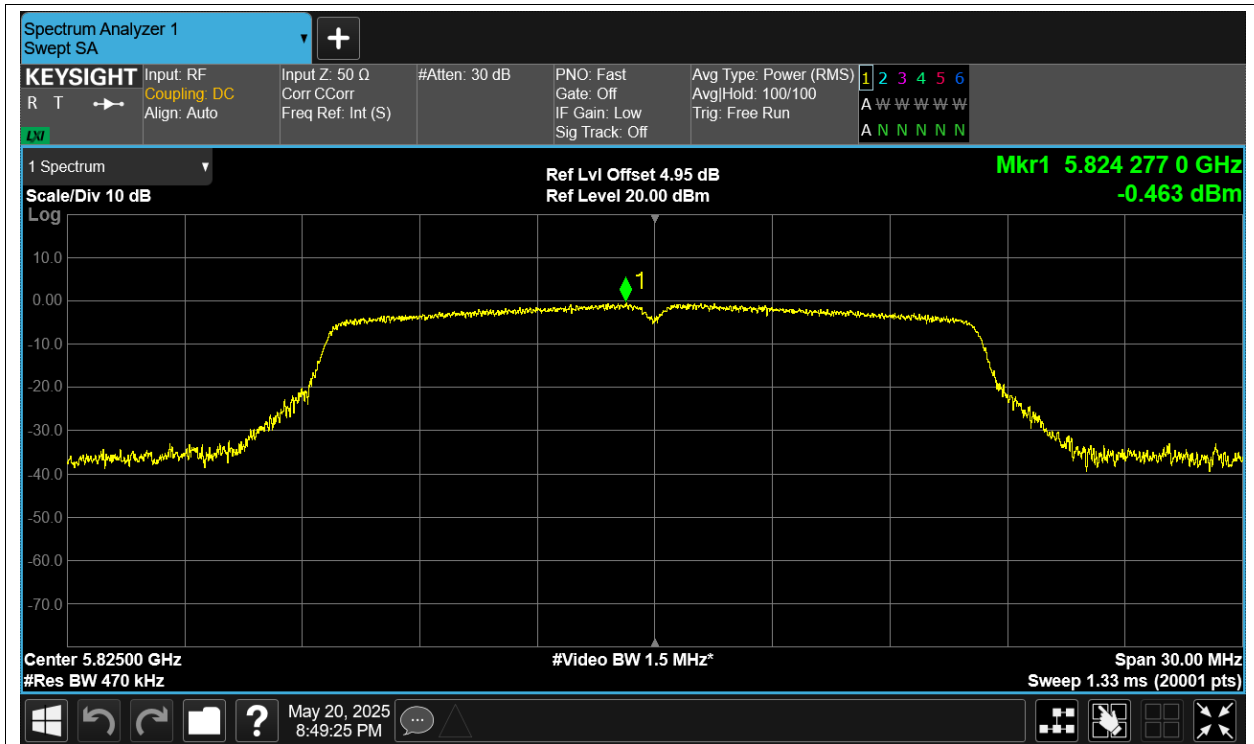
PSD NVNT a 5745MHz Ant1



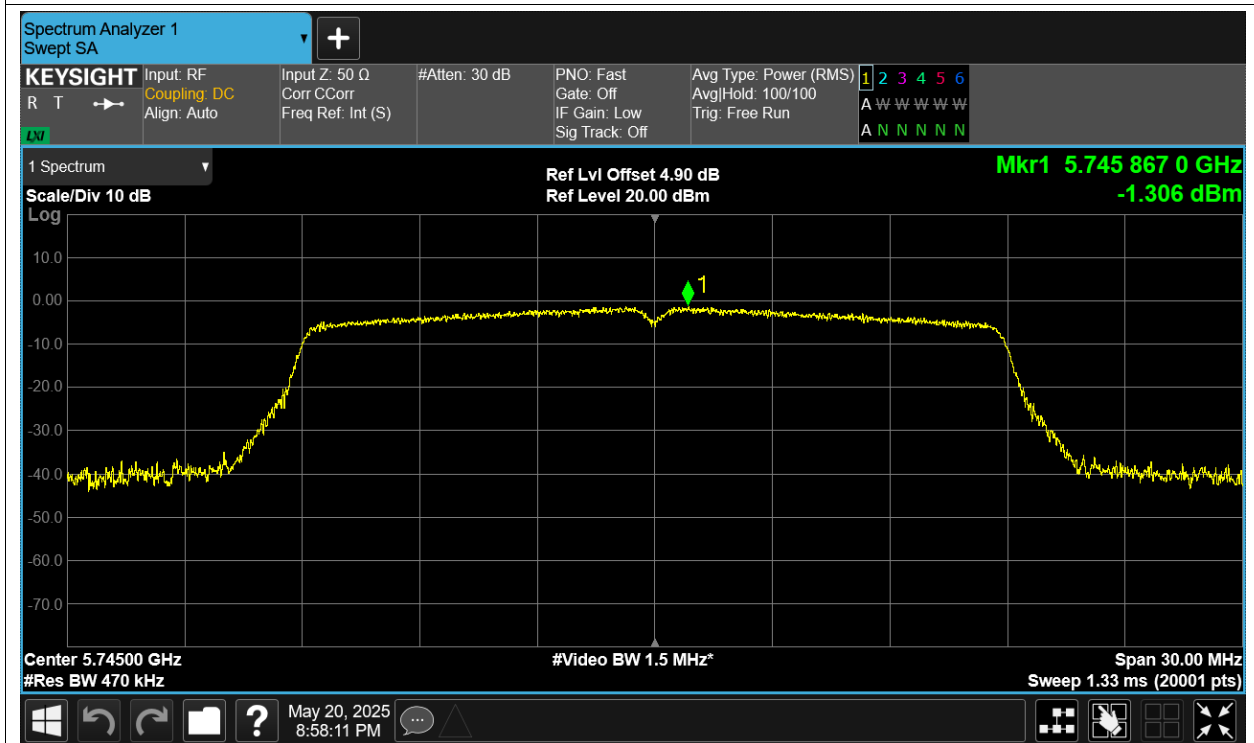
PSD NVNT a 5785MHz Ant1



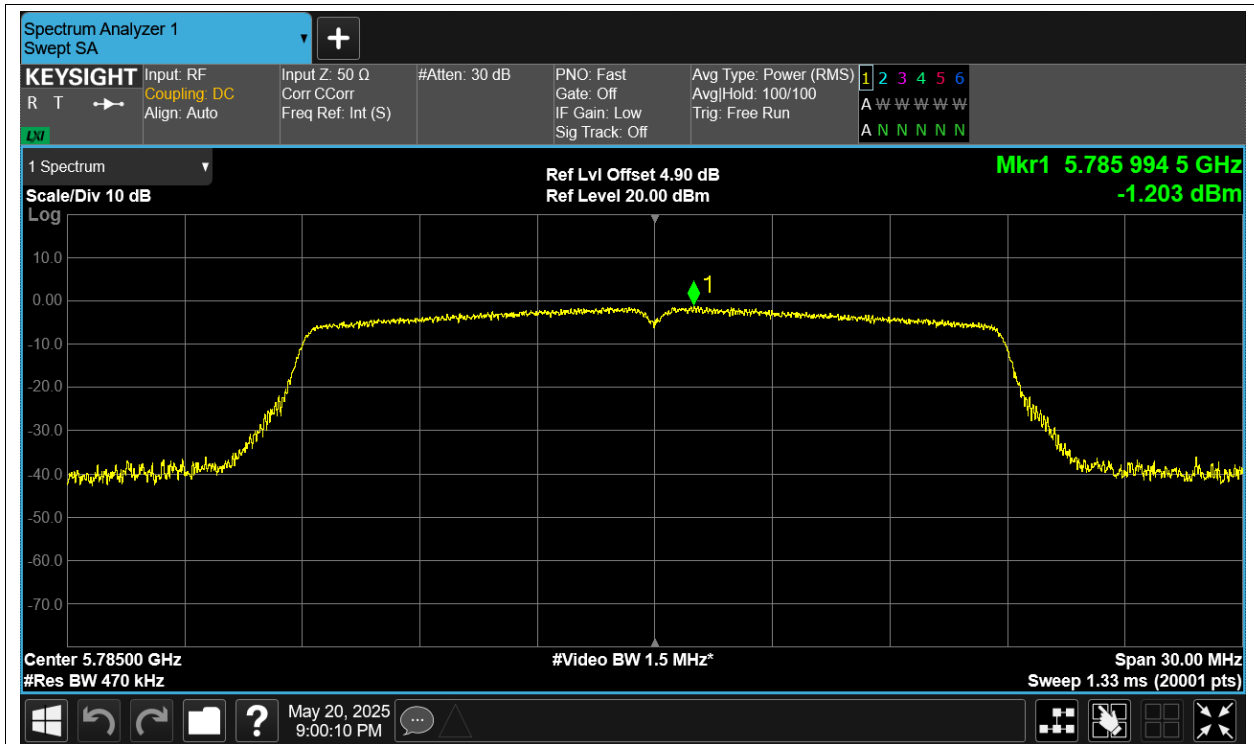
PSD NVNT a 5825MHz Ant1



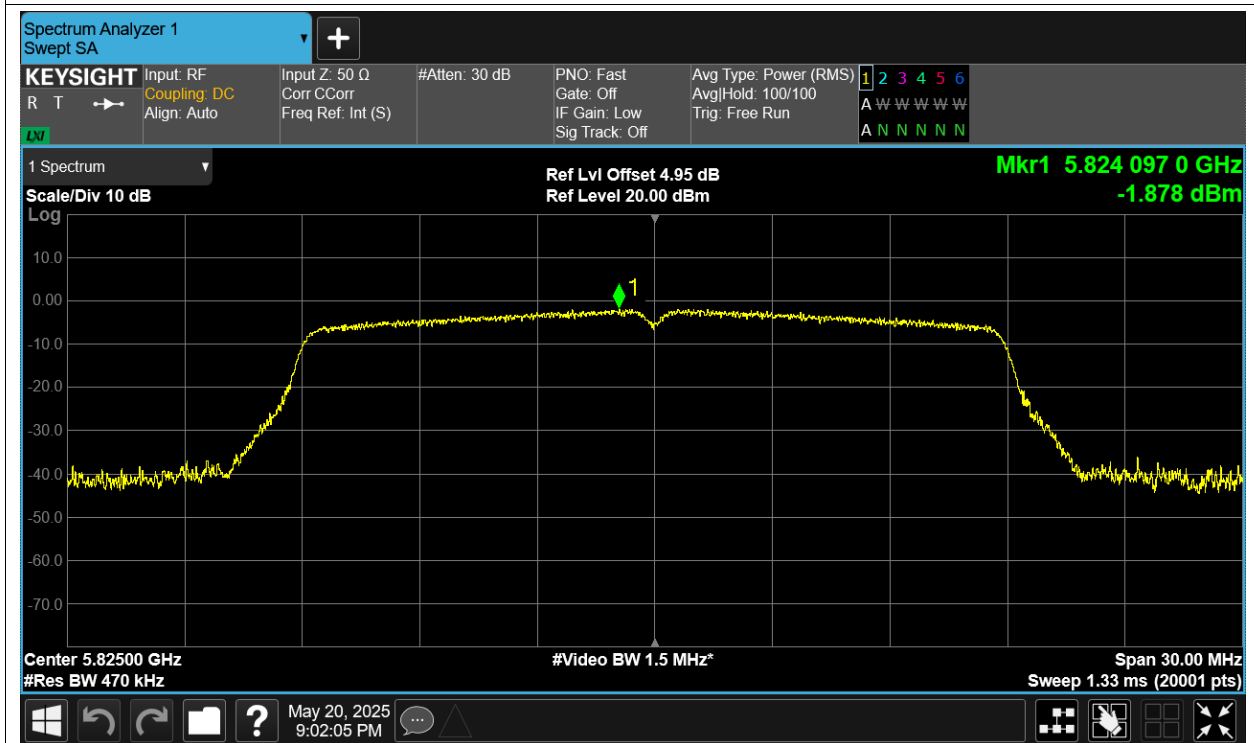
PSD NVNT ac20 5745MHz Ant1



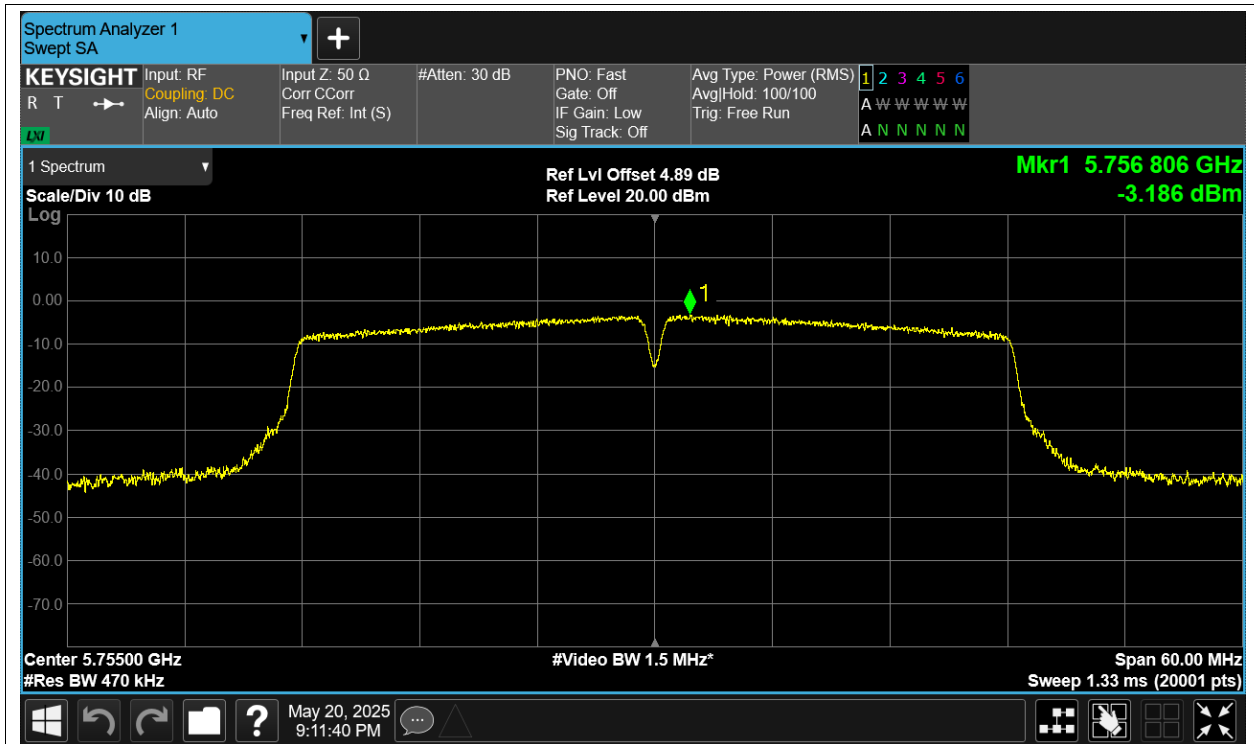
PSD NVNT ac20 5785MHz Ant1



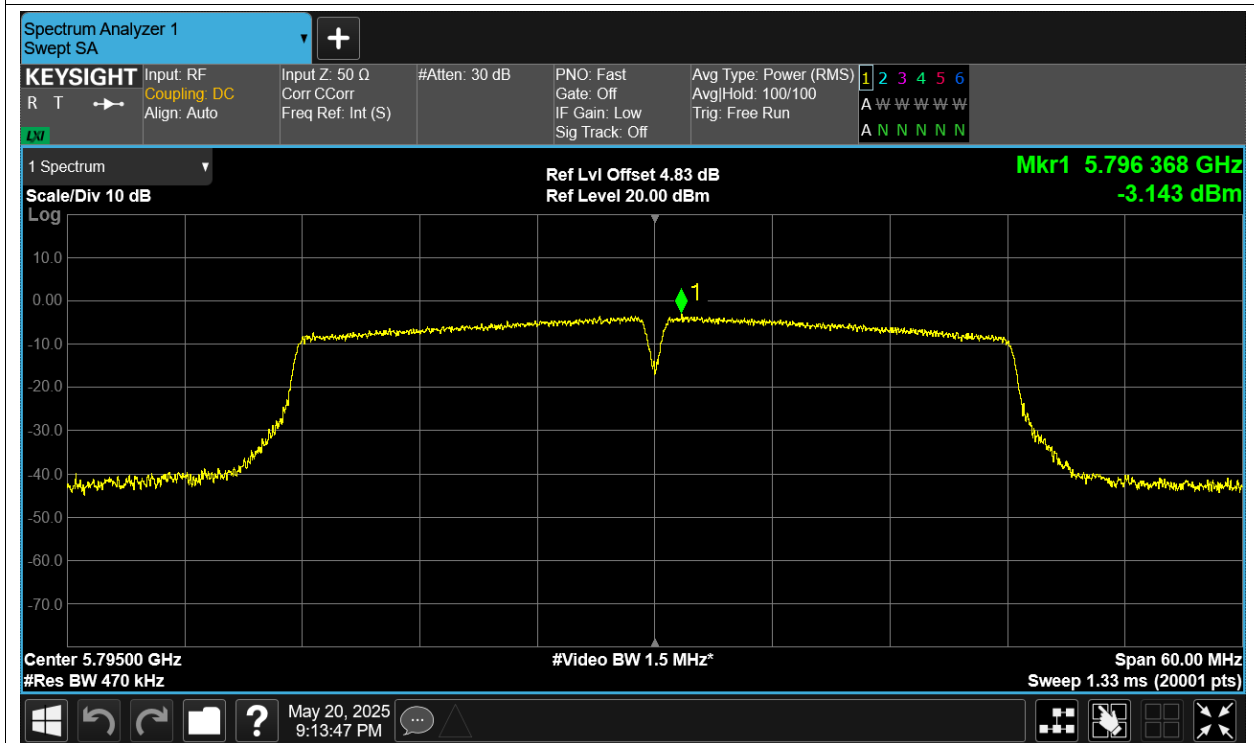
PSD NVNT ac20 5825MHz Ant1



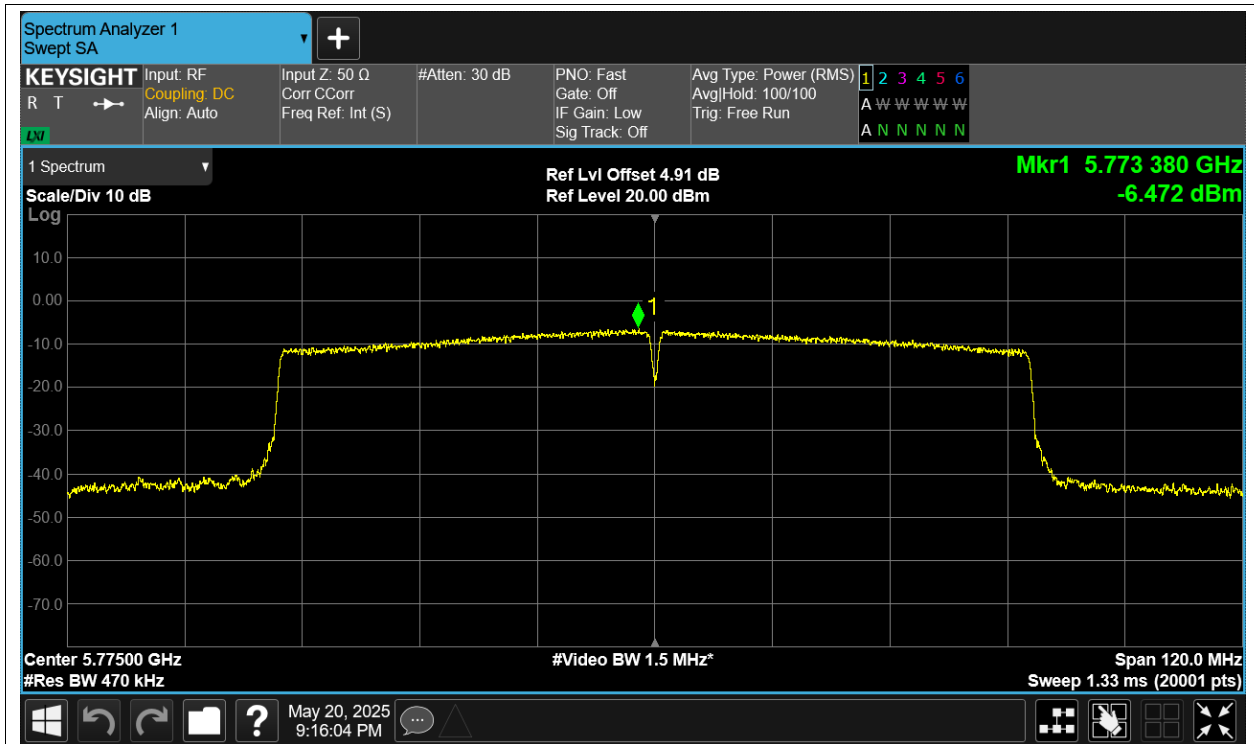
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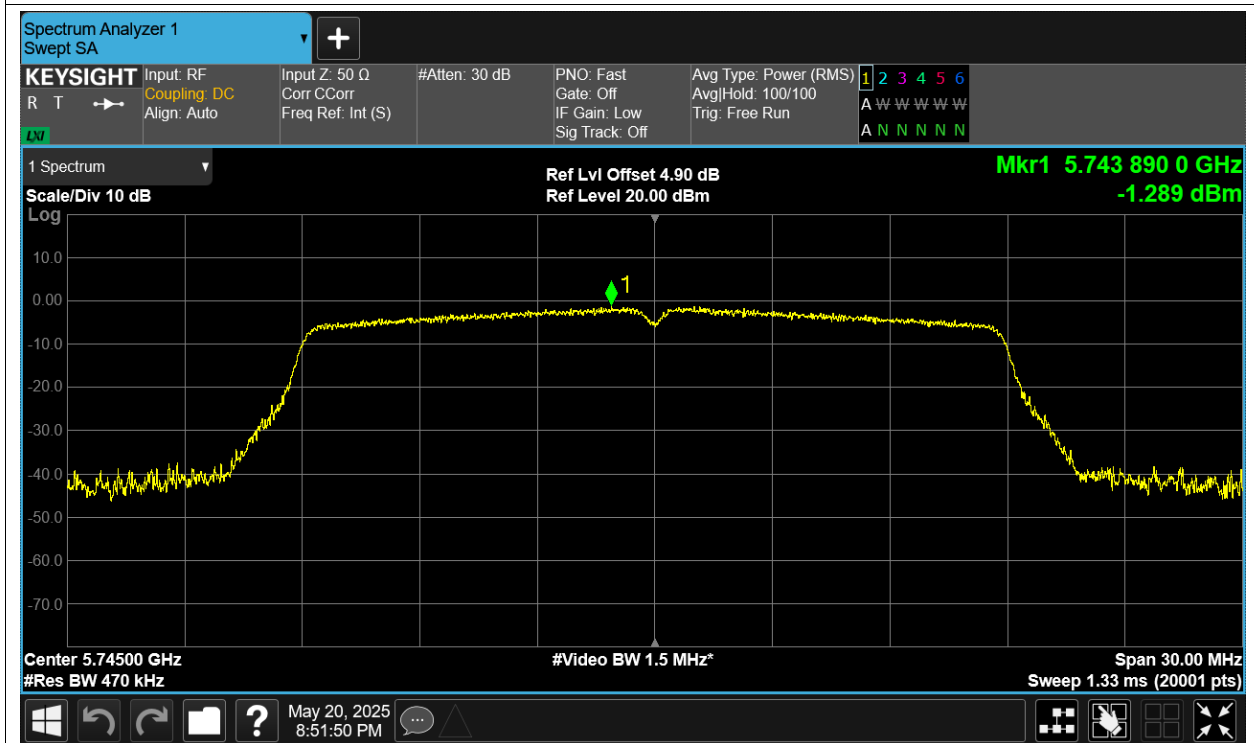
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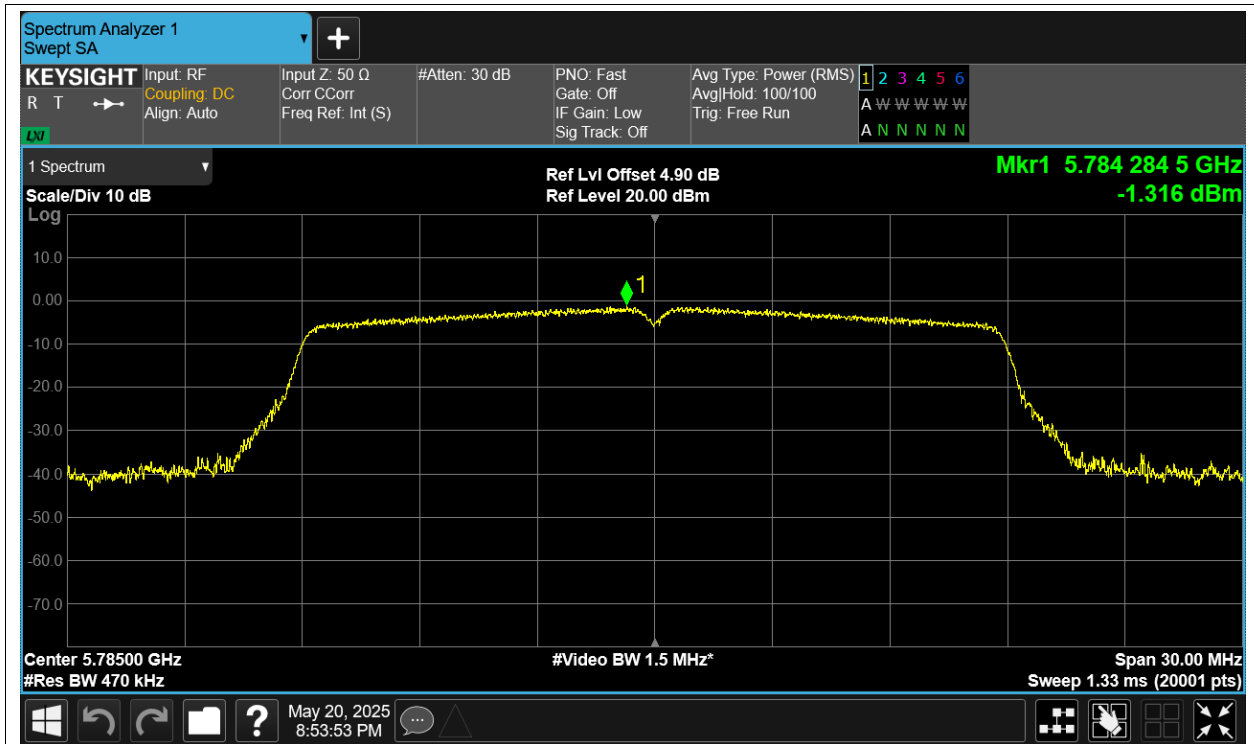
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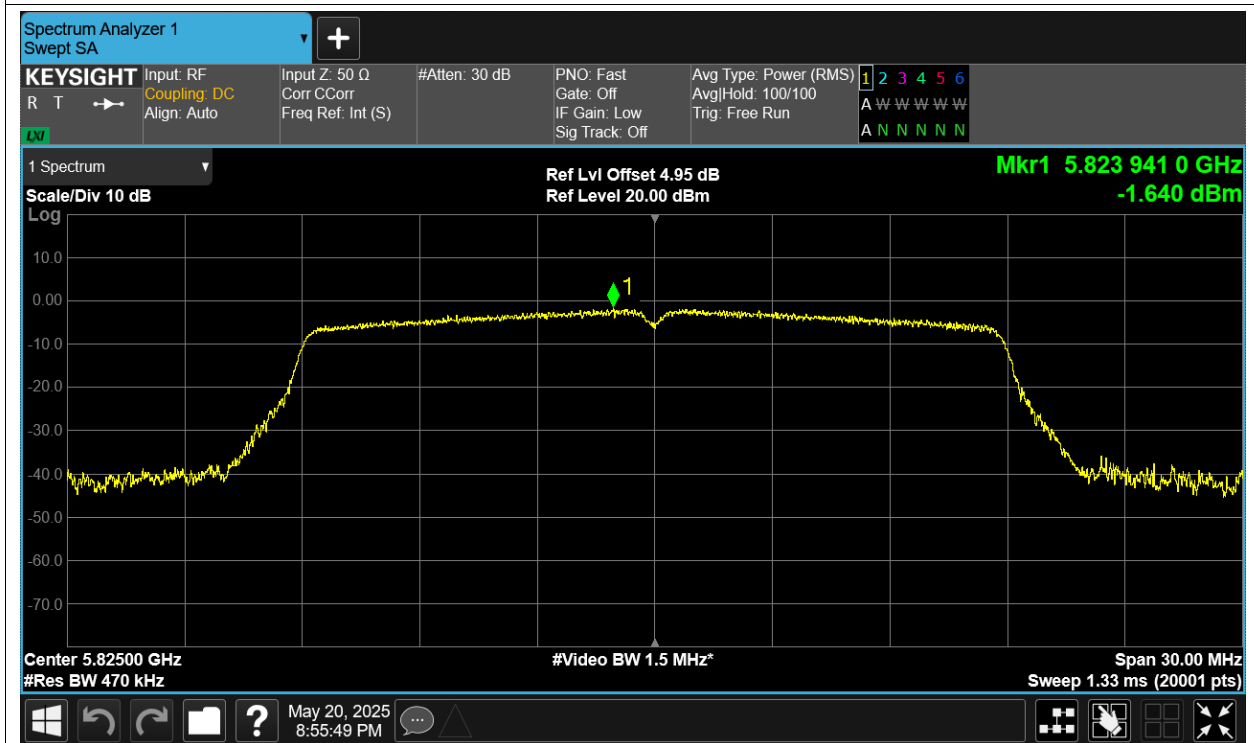
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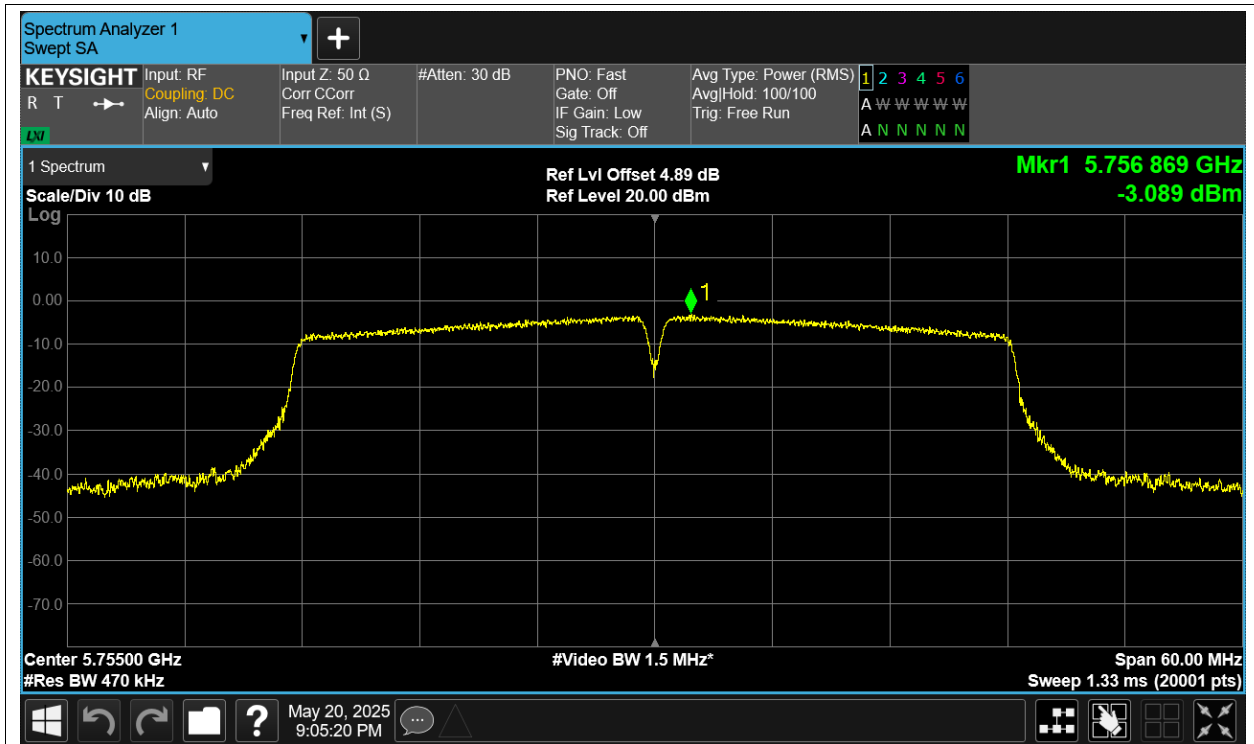
PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

