

Test Data

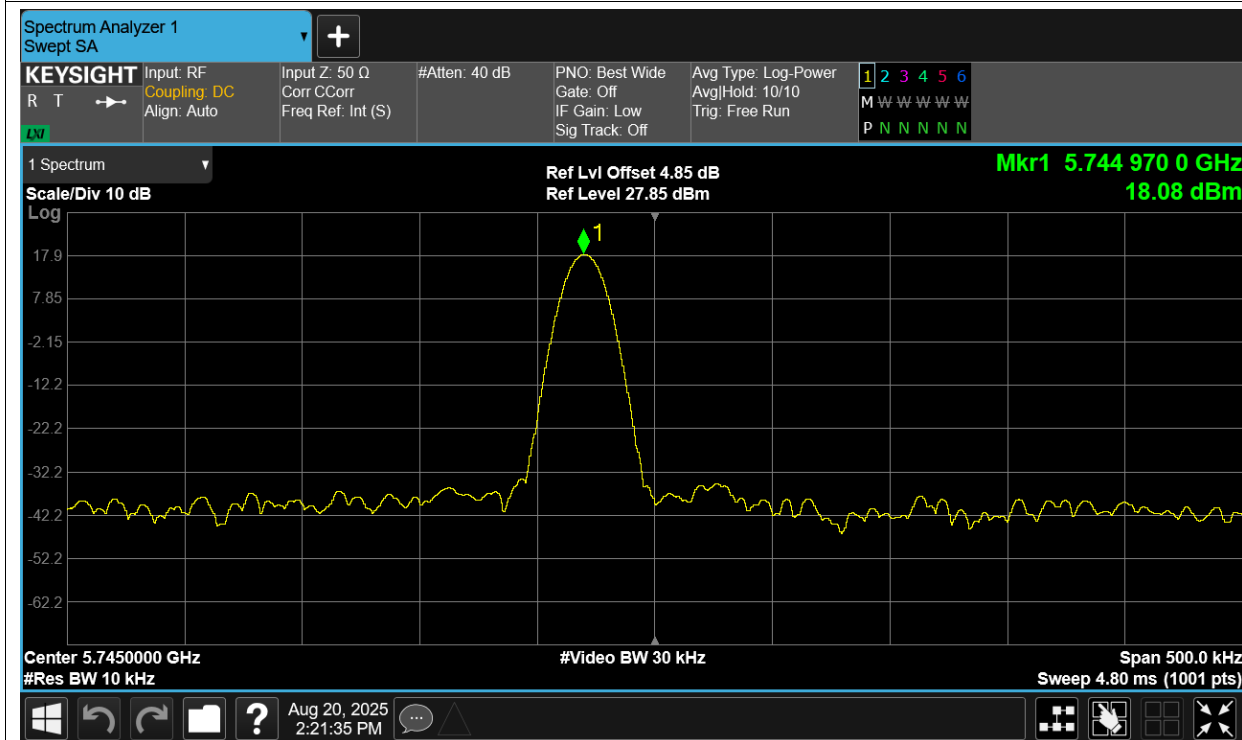
Frequency Stability

Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	5745	Ant1	5744.97	-5.22	Within authorized band	Pass
HVNT	5785	Ant1	5784.971	-5.01		Pass
HVNT	5825	Ant1	5824.9705	-5.06		Pass
LVNT	5745	Ant1	5744.97	-5.22		Pass
LVNT	5785	Ant1	5784.9705	-5.1		Pass
LVNT	5825	Ant1	5824.9705	-5.06		Pass
NVHT	5745	Ant1	5744.97	-5.22		Pass
NVHT	5785	Ant1	5784.971	-5.01		Pass
NVHT	5825	Ant1	5824.9705	-5.06		Pass
NVLT	5745	Ant1	5744.97	-5.22		Pass
NVLT	5785	Ant1	5784.971	-5.01		Pass
NVLT	5825	Ant1	5824.9705	-5.06		Pass
NVNT	5745	Ant1	5744.97	-5.22		Pass
NVNT	5785	Ant1	5784.971	-5.01		Pass
NVNT	5825	Ant1	5824.9705	-5.06		Pass
HVNT	5775	Ant1	5774.9705	-5.11		Pass
LVNT	5775	Ant1	5774.9705	-5.11		Pass
NVHT	5775	Ant1	5774.9705	-5.11		Pass
NVLT	5775	Ant1	5774.9705	-5.11		Pass
NVNT	5775	Ant1	5774.9705	-5.11		Pass
HVNT	5755	Ant1	5754.971	-5.04		Pass
HVNT	5795	Ant1	5794.9705	-5.09		Pass
LVNT	5755	Ant1	5754.971	-5.04		Pass
LVNT	5795	Ant1	5794.9705	-5.09		Pass
NVHT	5755	Ant1	5754.971	-5.04		Pass
NVHT	5795	Ant1	5794.9705	-5.09		Pass
NVLT	5755	Ant1	5754.9705	-5.13		Pass
NVLT	5795	Ant1	5794.9705	-5.09		Pass
NVNT	5755	Ant1	5754.9705	-5.13		Pass
NVNT	5795	Ant1	5794.971	-5		Pass

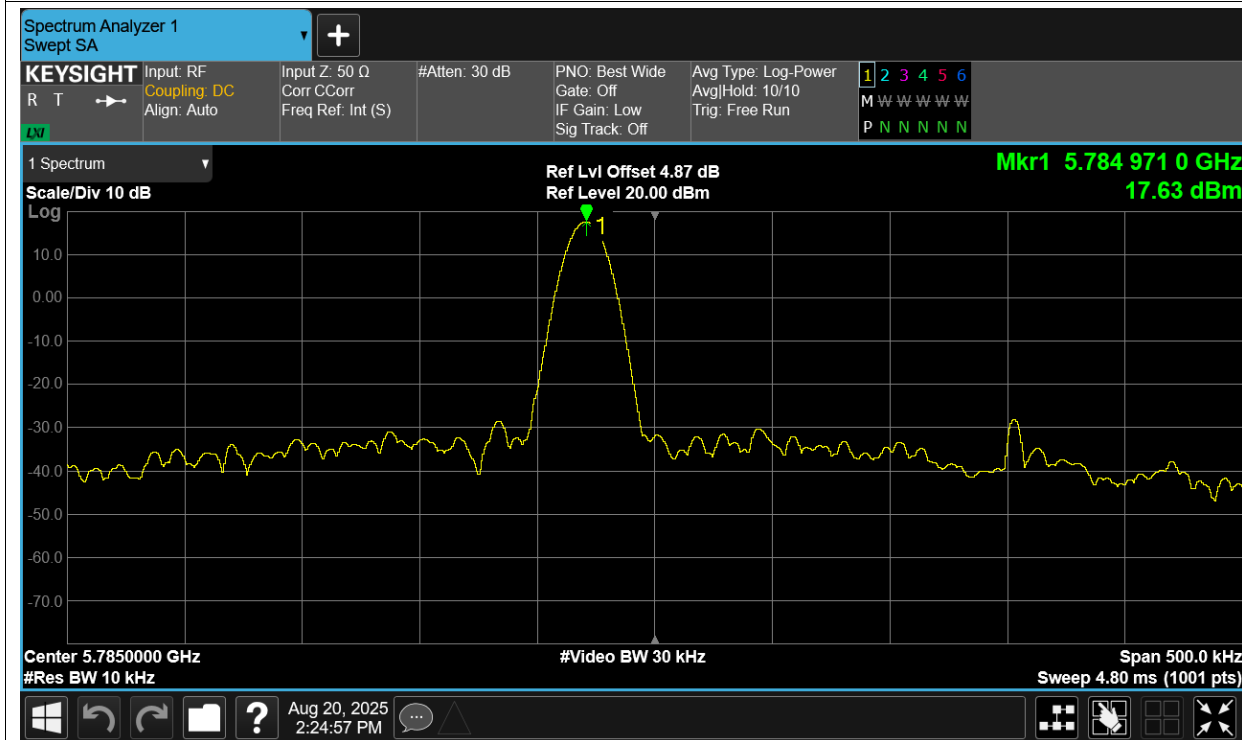
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

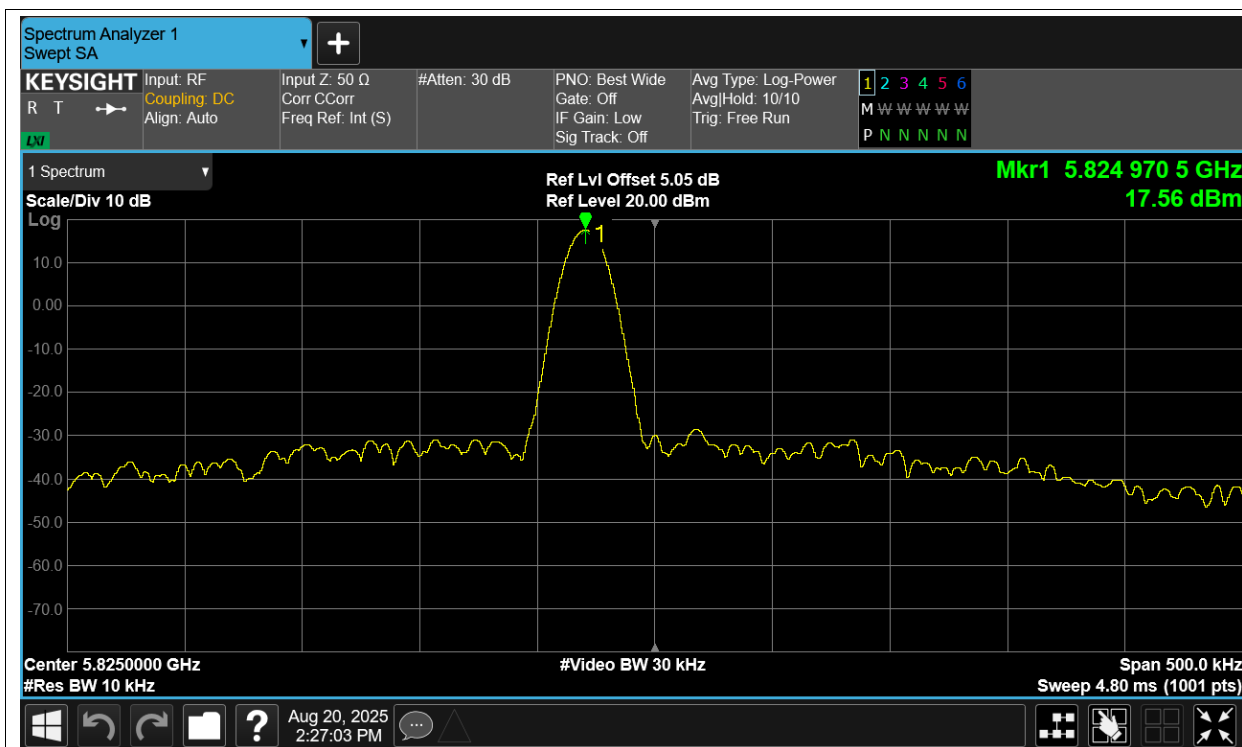
Freq. Stability HVNT 5745MHz Ant1



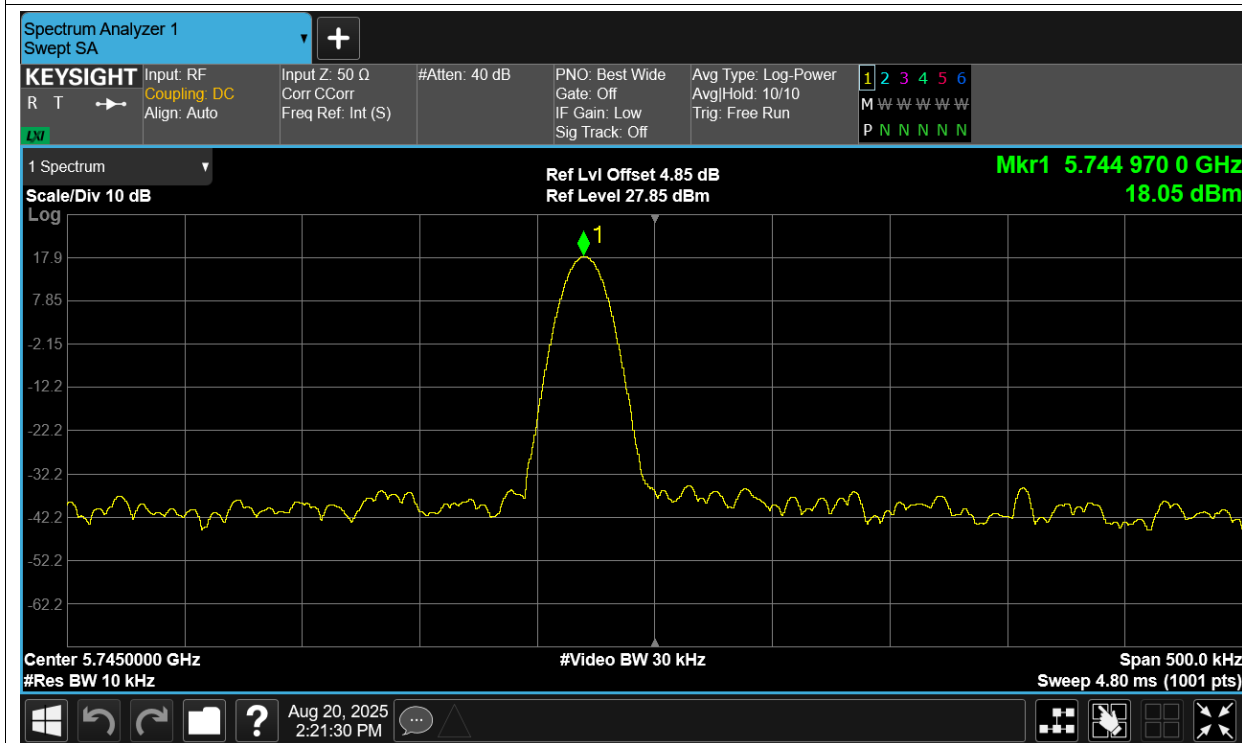
Freq. Stability HVNT 5785MHz Ant1



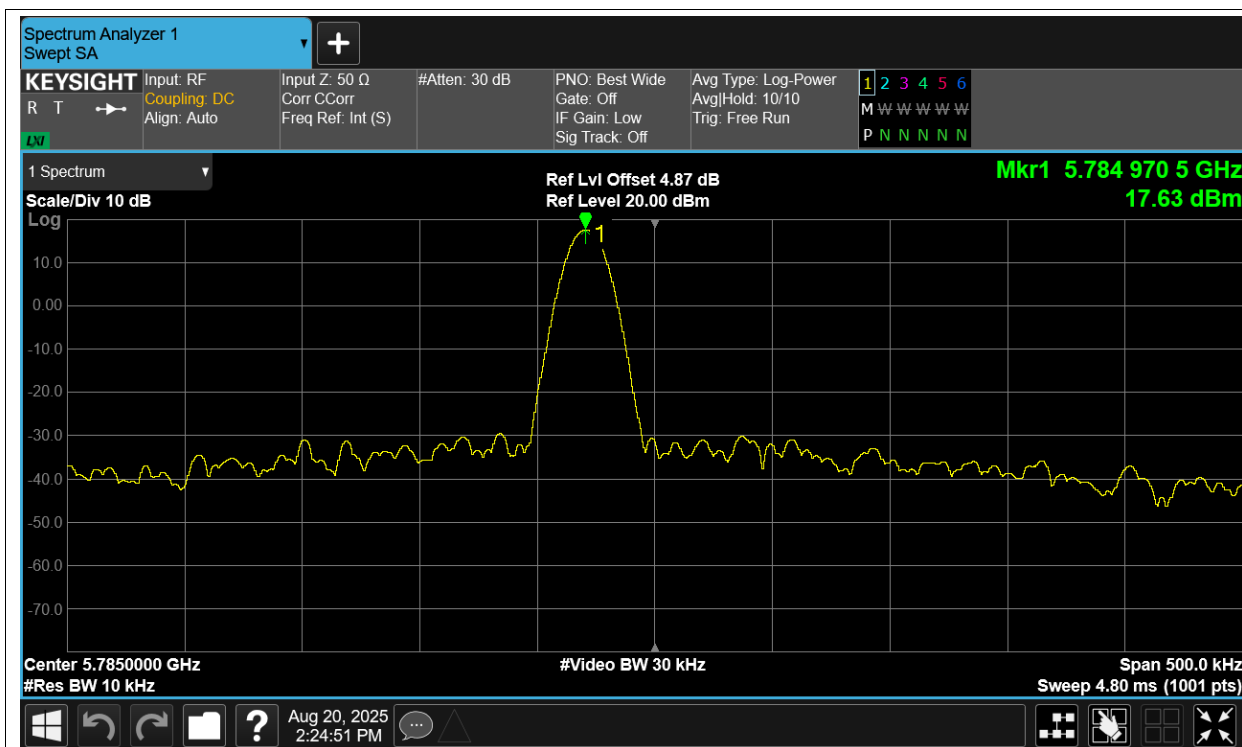
Freq. Stability HVNT 5825MHz Ant1



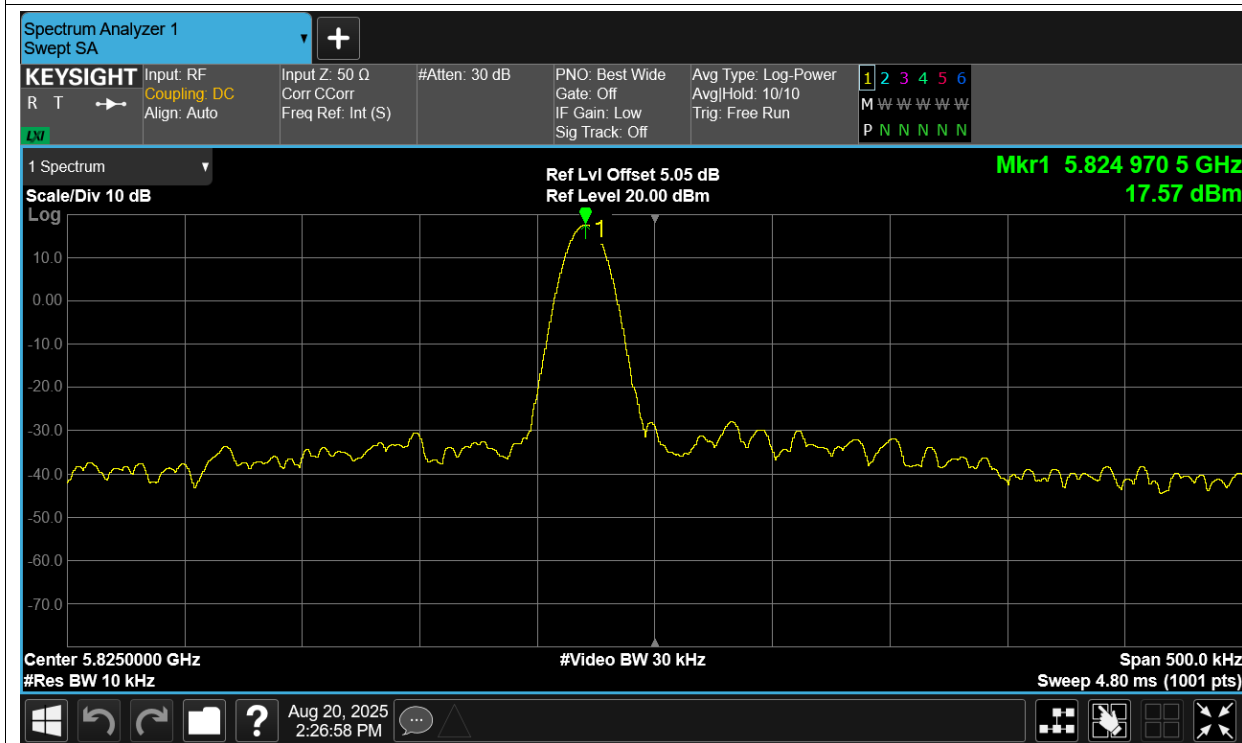
Freq. Stability LVNT 5745MHz Ant1



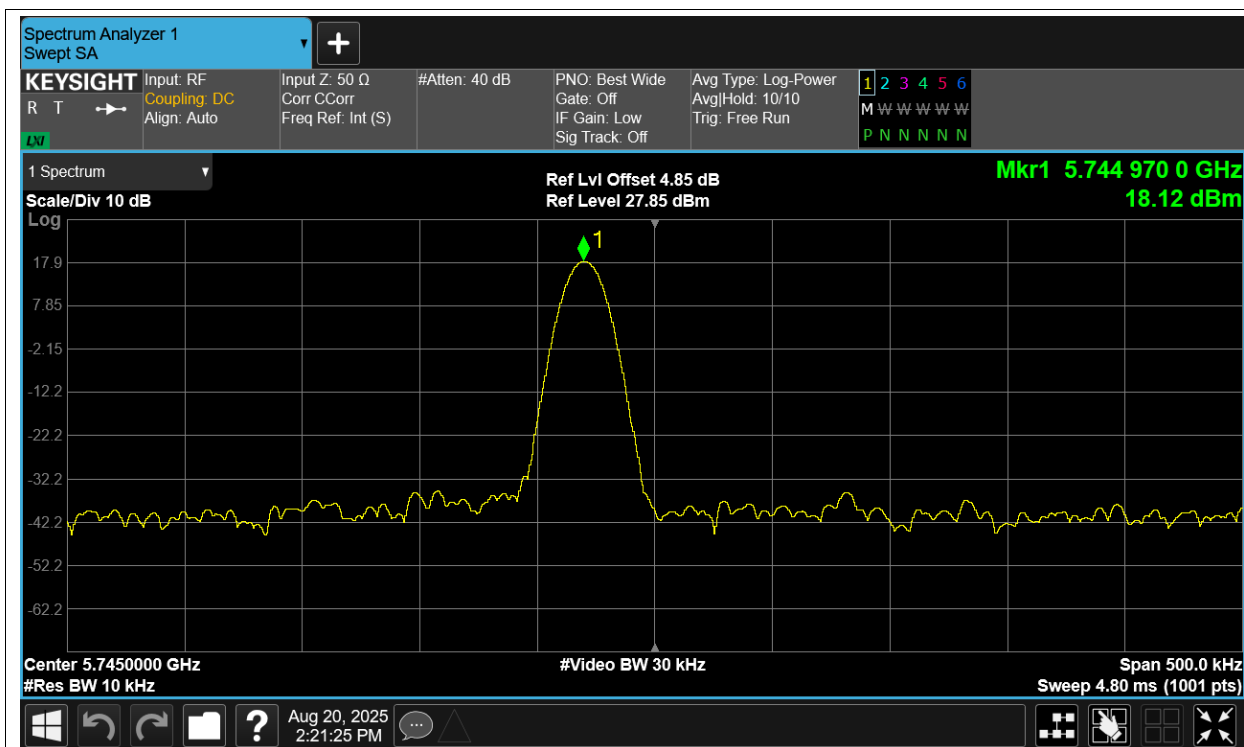
Freq. Stability LVNT 5785MHz Ant1



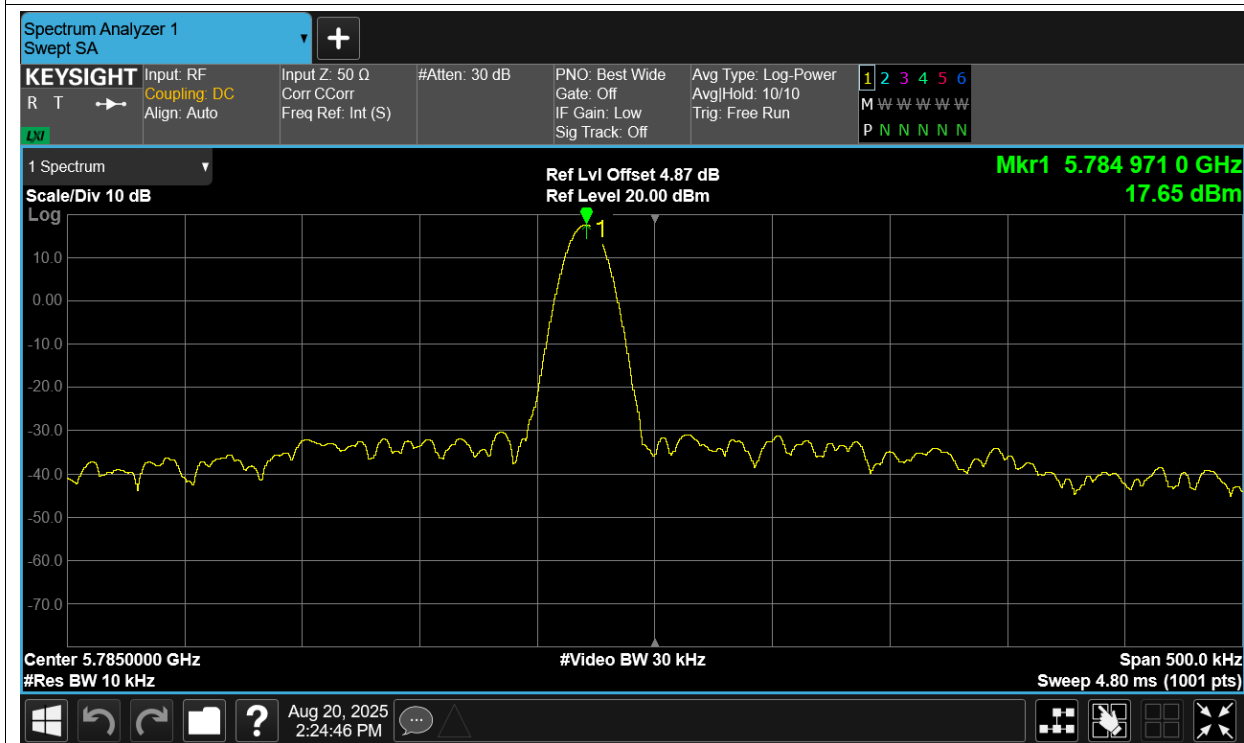
Freq. Stability LVNT 5825MHz Ant1



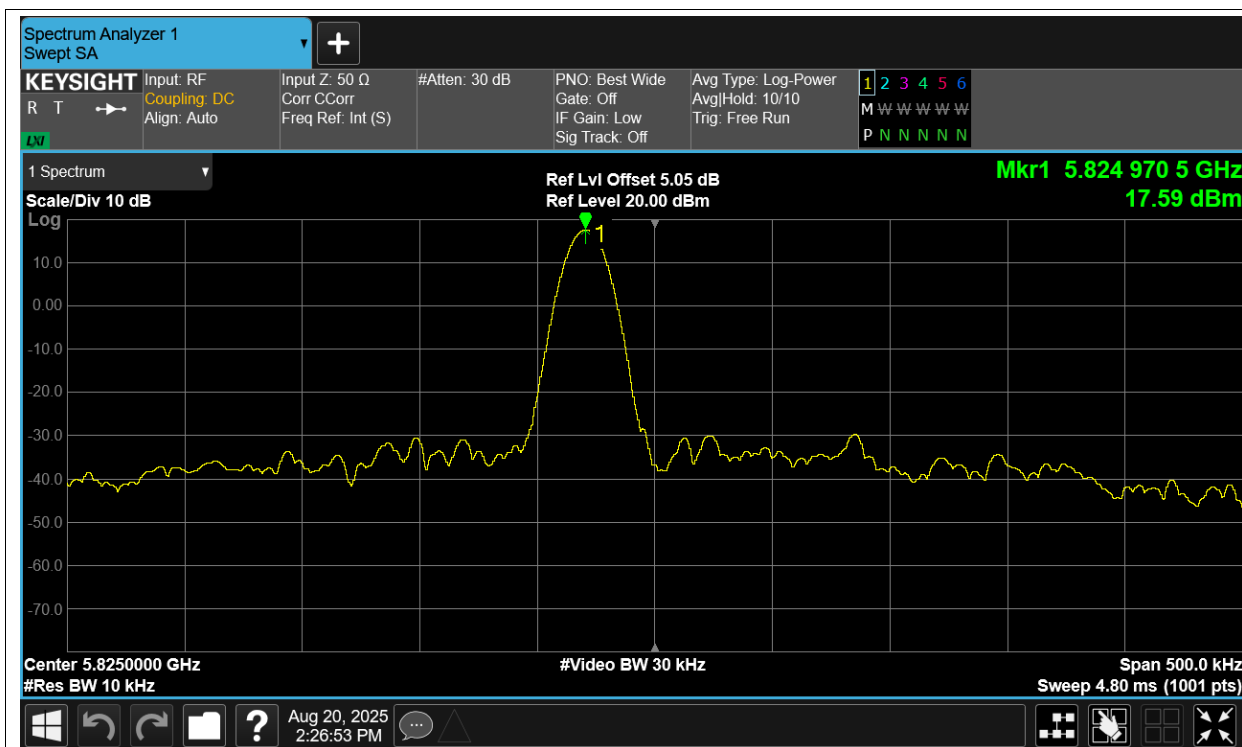
Freq. Stability NVHT 5745MHz Ant1



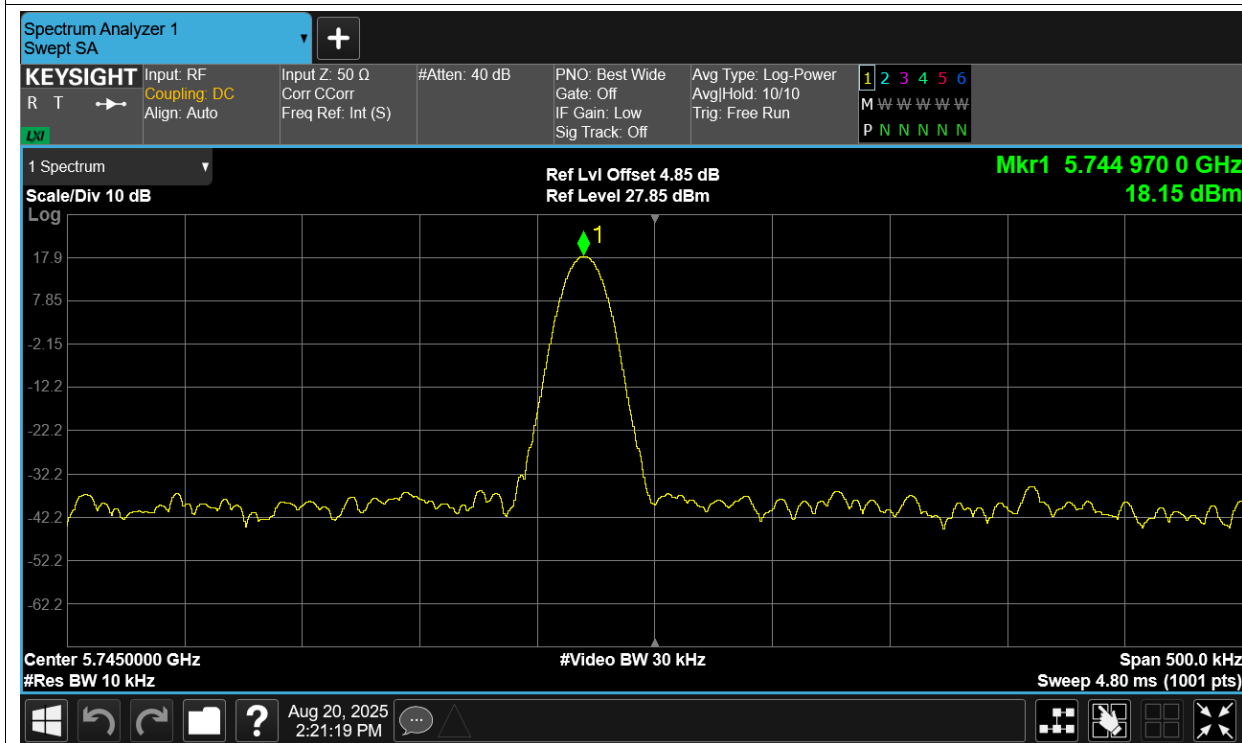
Freq. Stability NVHT 5785MHz Ant1



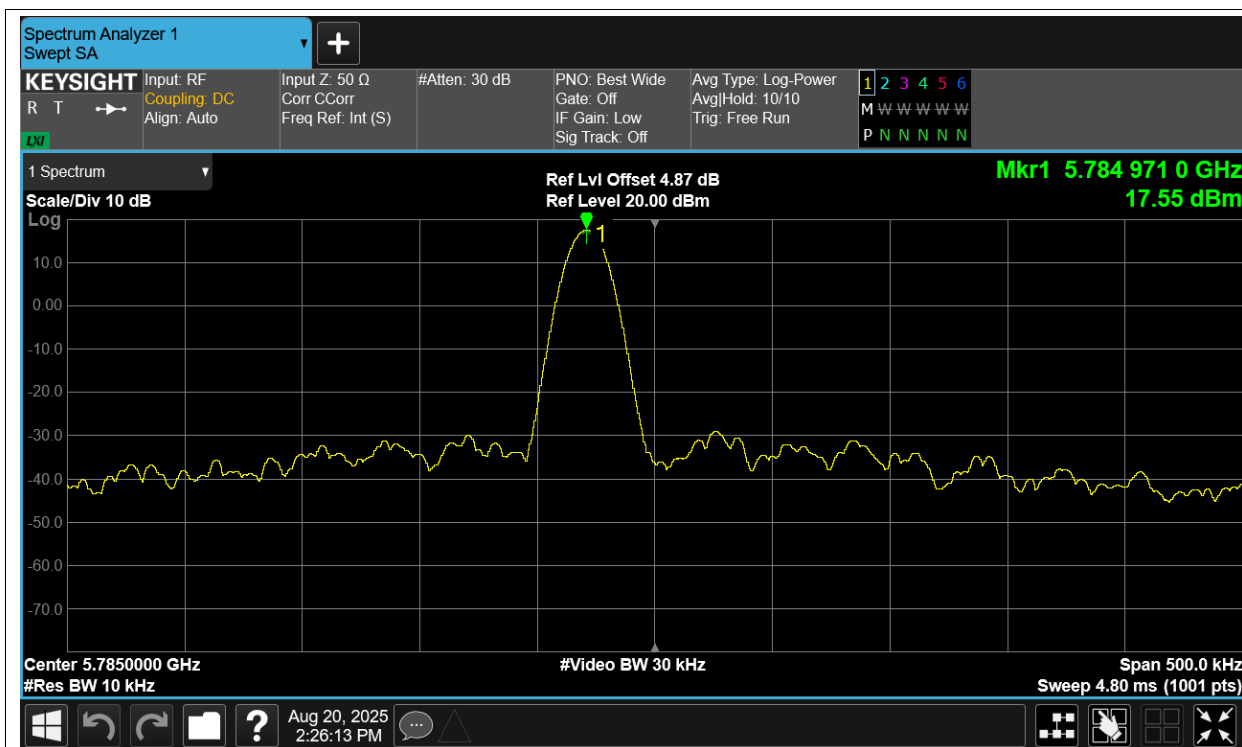
Freq. Stability NVHT 5825MHz Ant1



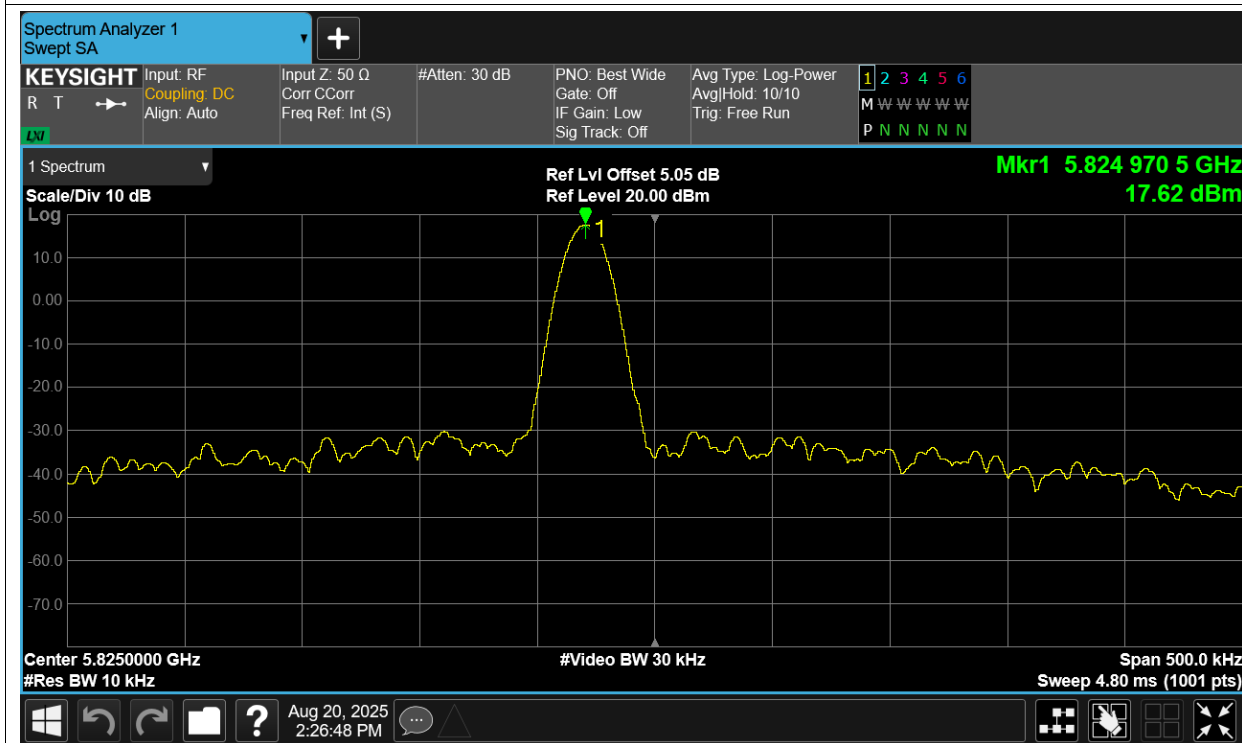
Freq. Stability NVLT 5745MHz Ant1



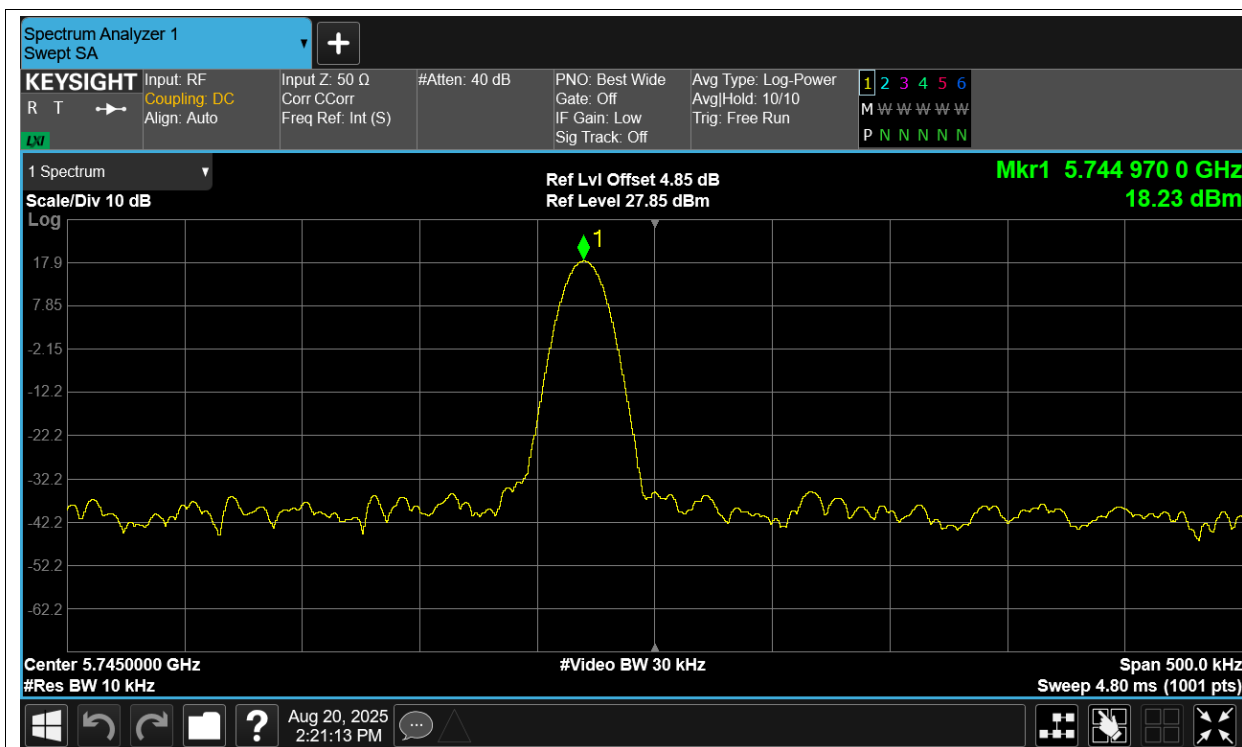
Freq. Stability NVLT 5785MHz Ant1



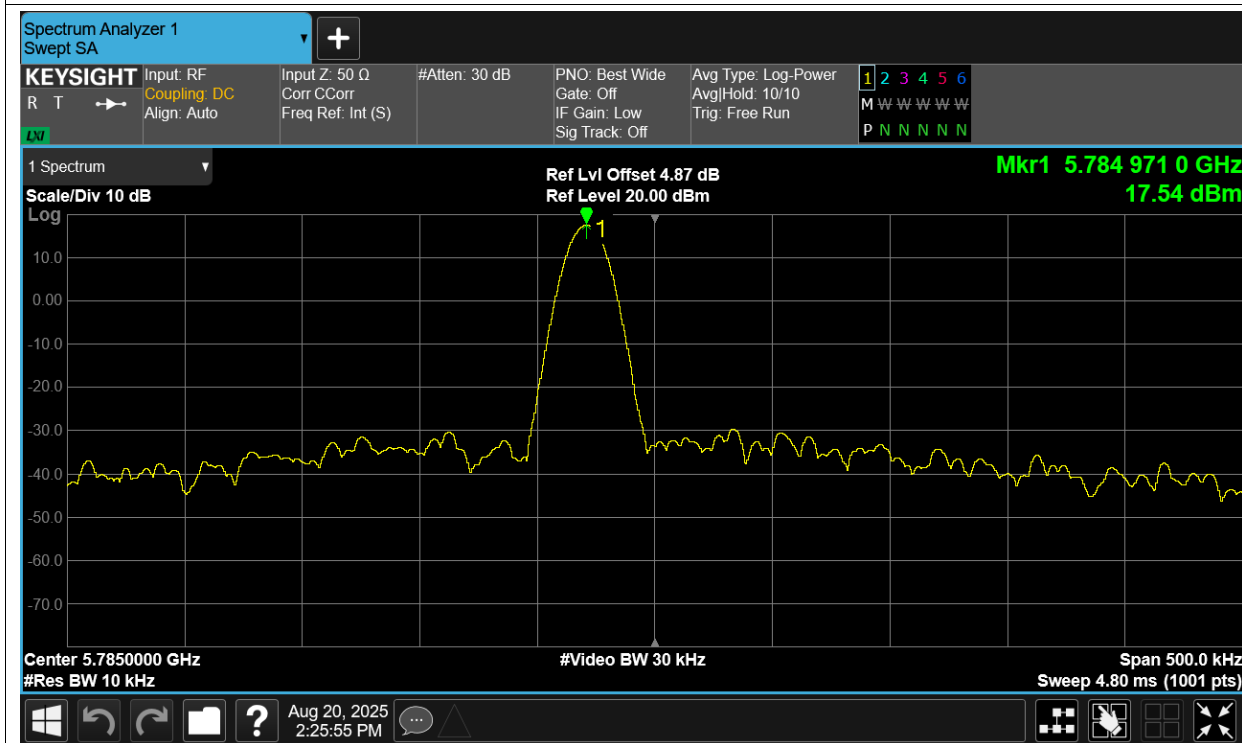
Freq. Stability NVLT 5825MHz Ant1



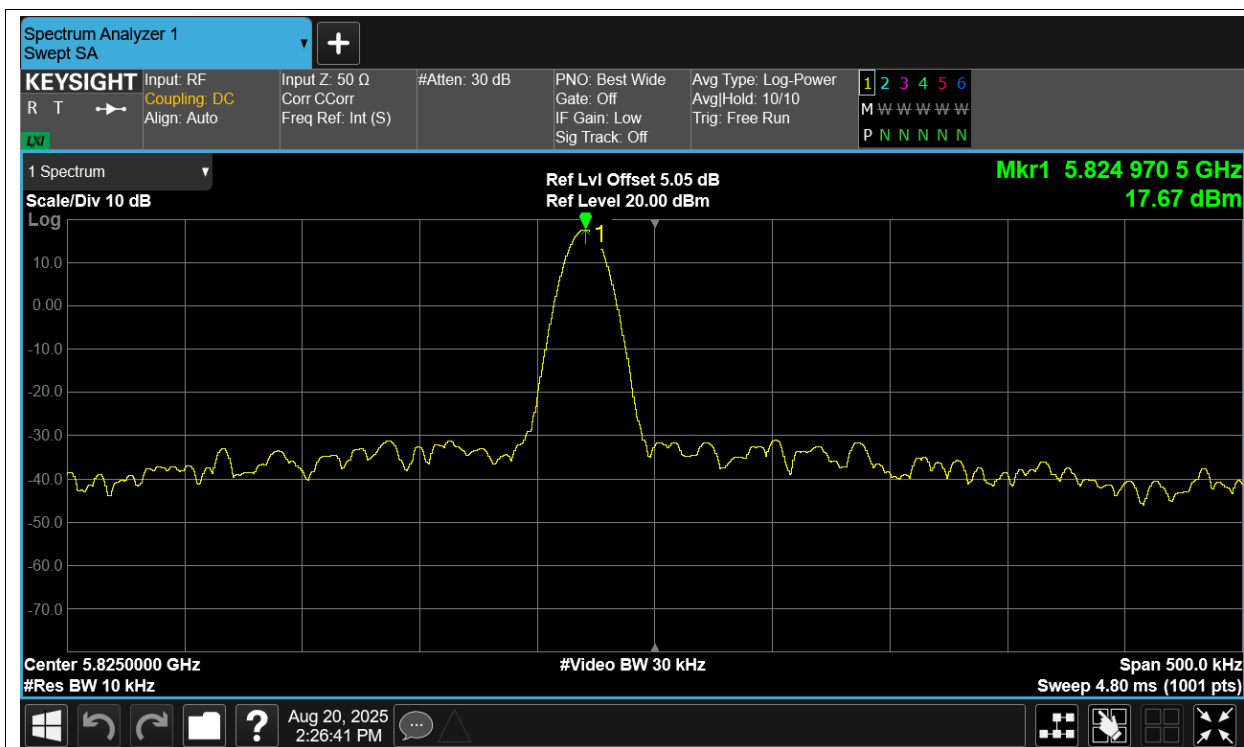
Freq. Stability NVNT 5745MHz Ant1



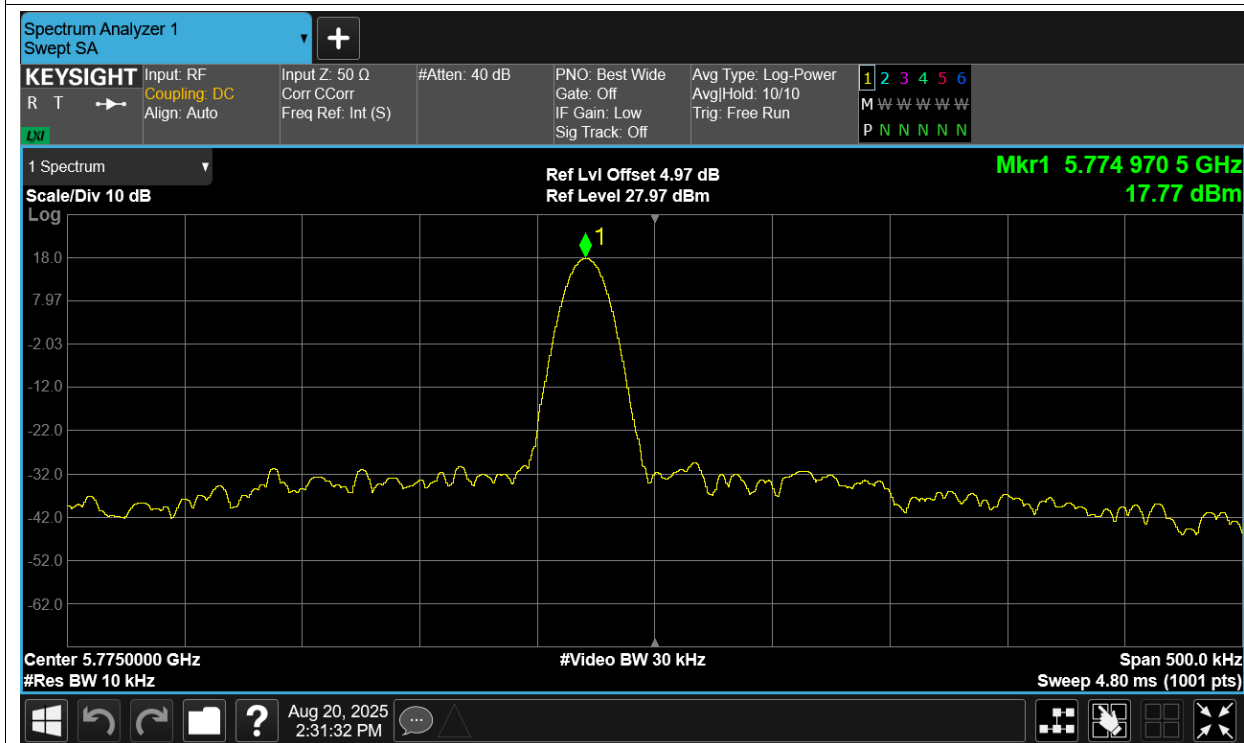
Freq. Stability NVNT 5785MHz Ant1



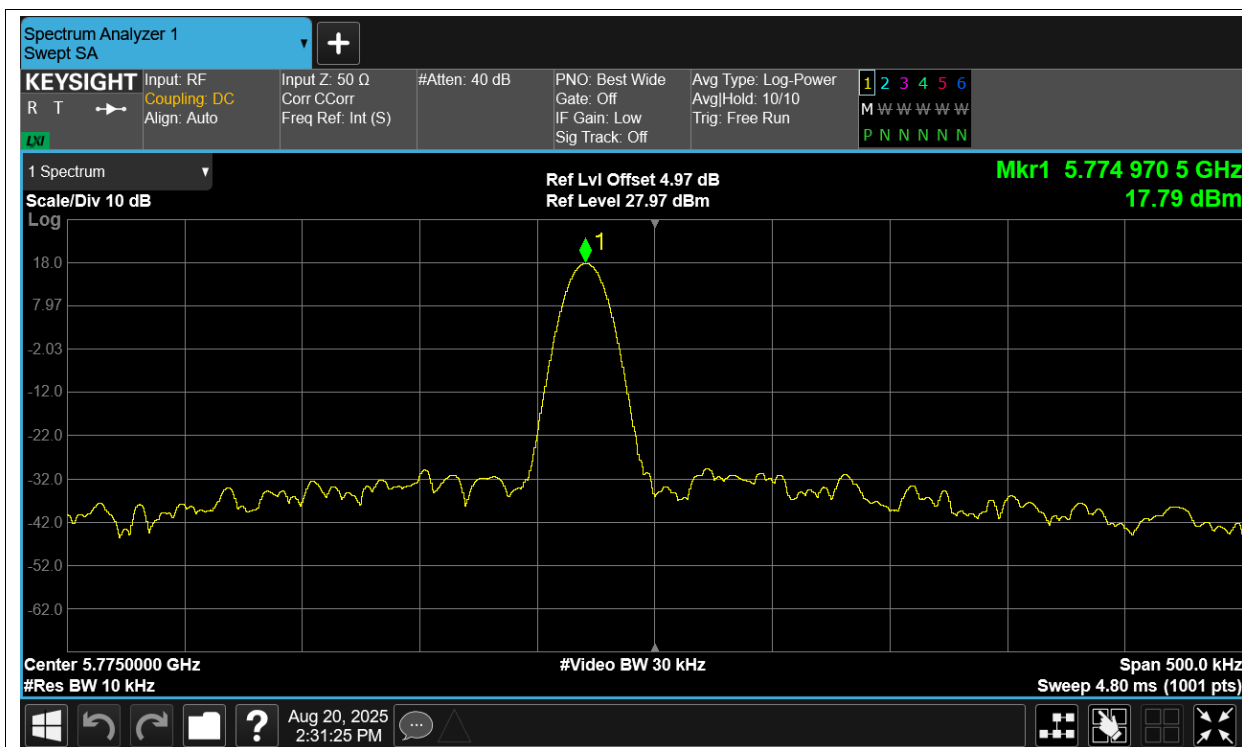
Freq. Stability NVNT 5825MHz Ant1



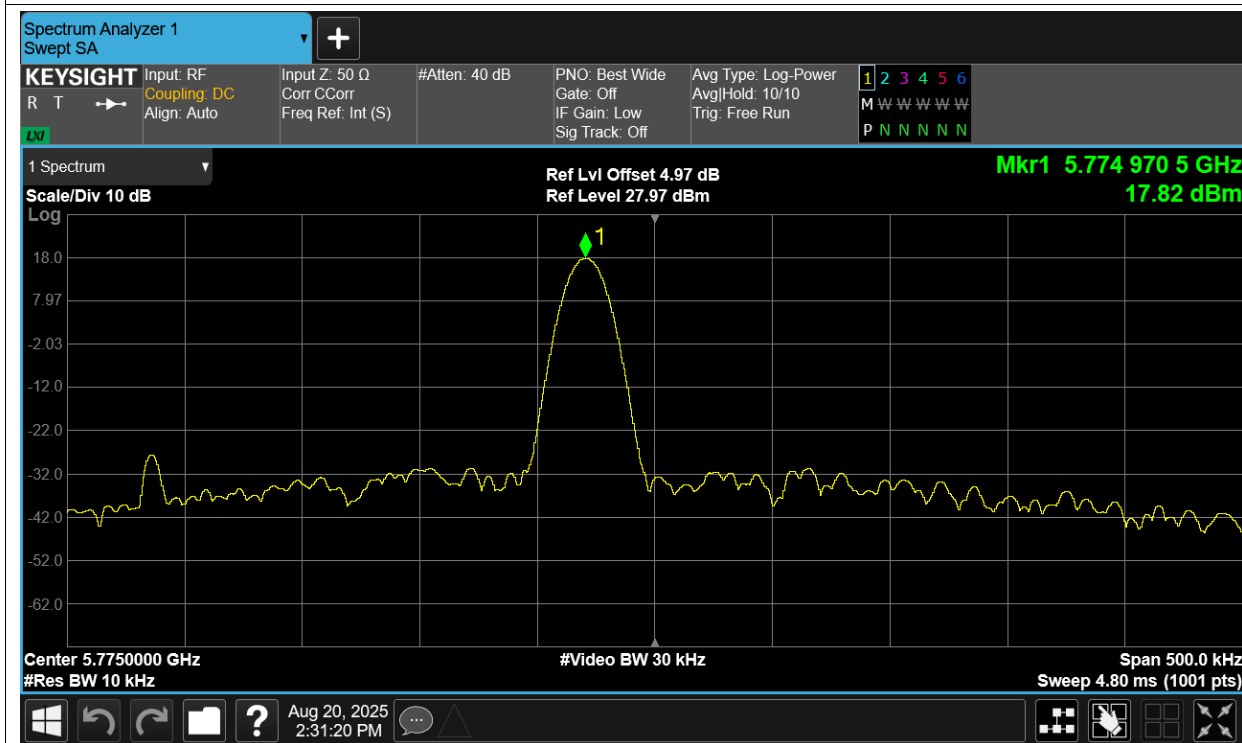
Freq. Stability HVNT 5775MHz Ant1



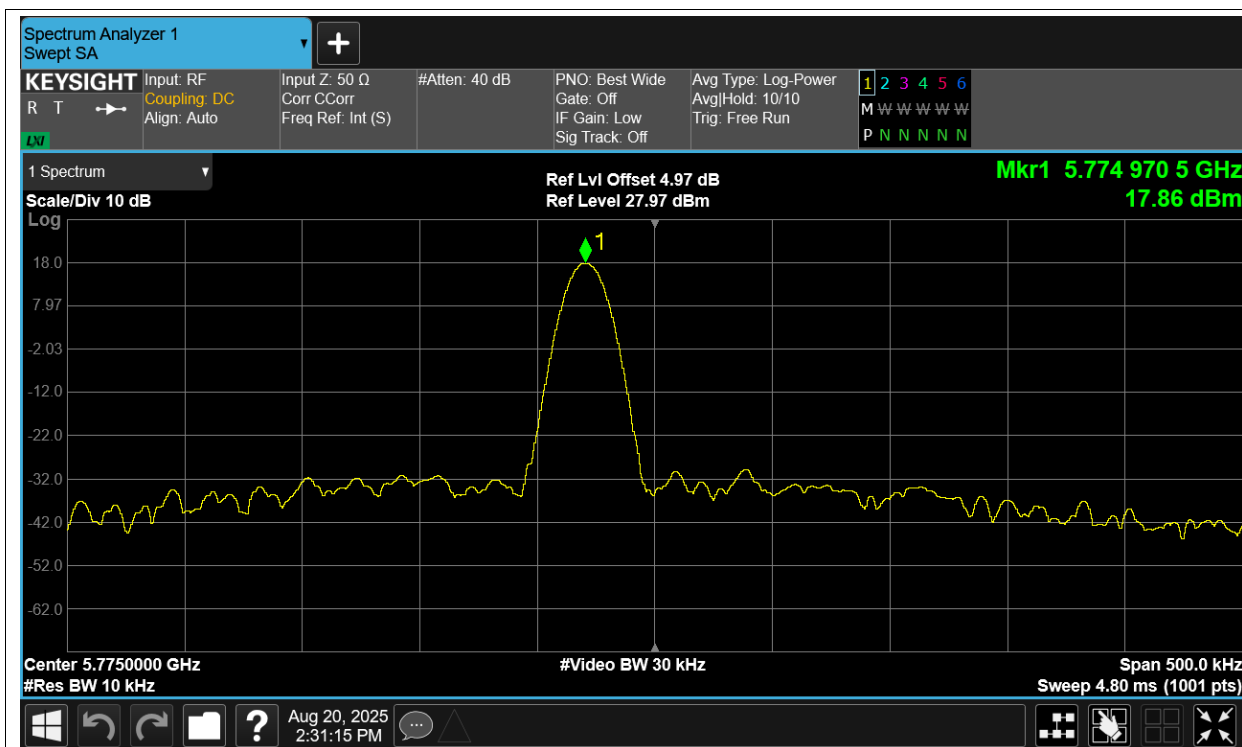
Freq. Stability LVNT 5775MHz Ant1



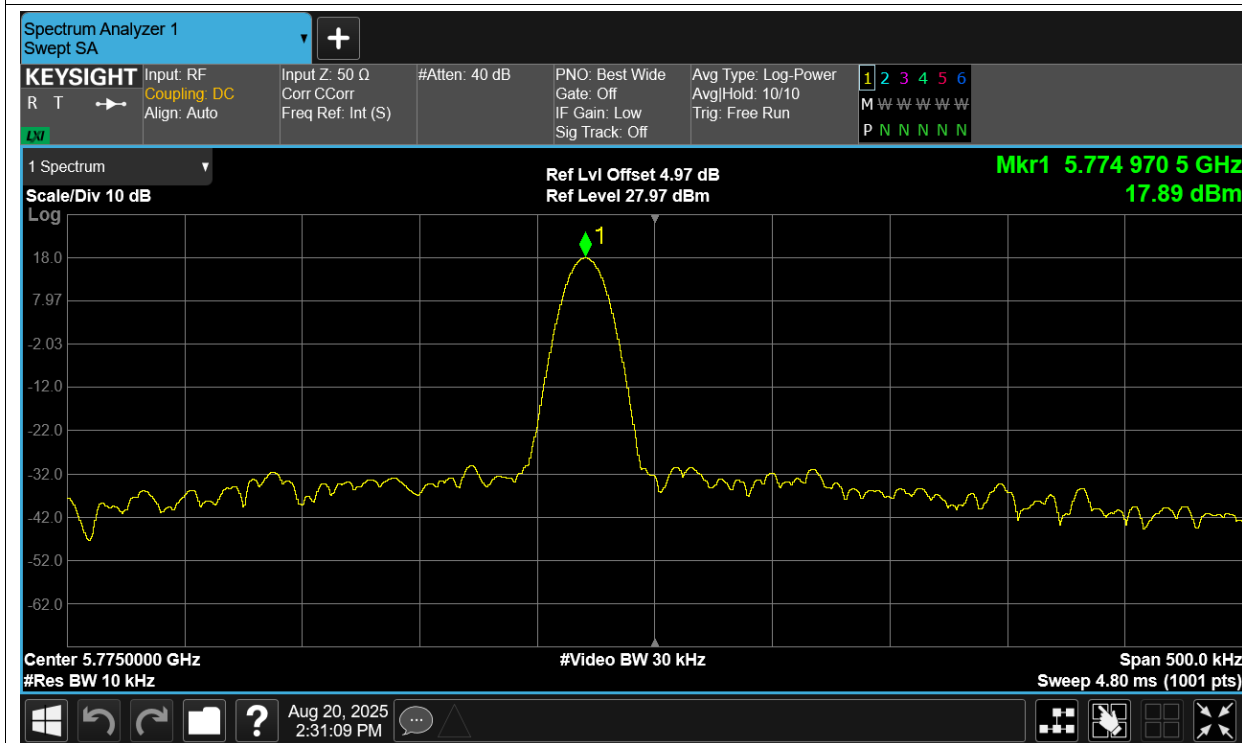
Freq. Stability NVHT 5775MHz Ant1



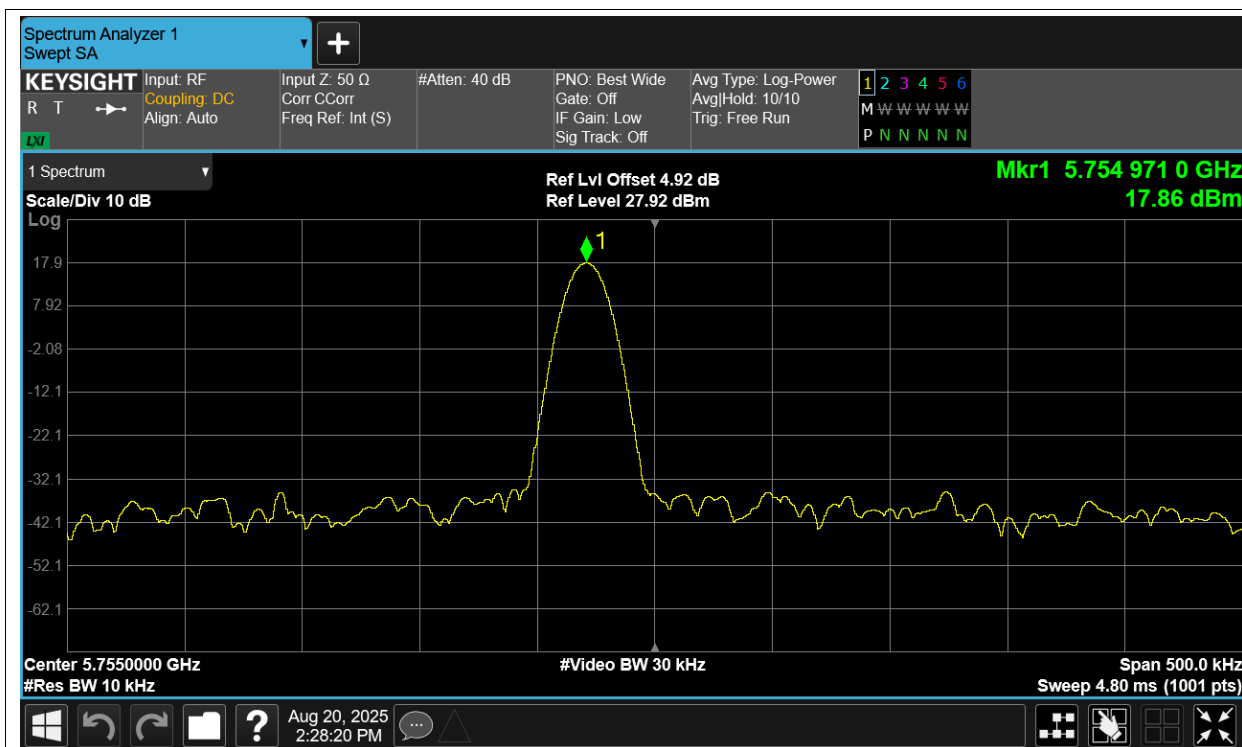
Freq. Stability NVLT 5775MHz Ant1



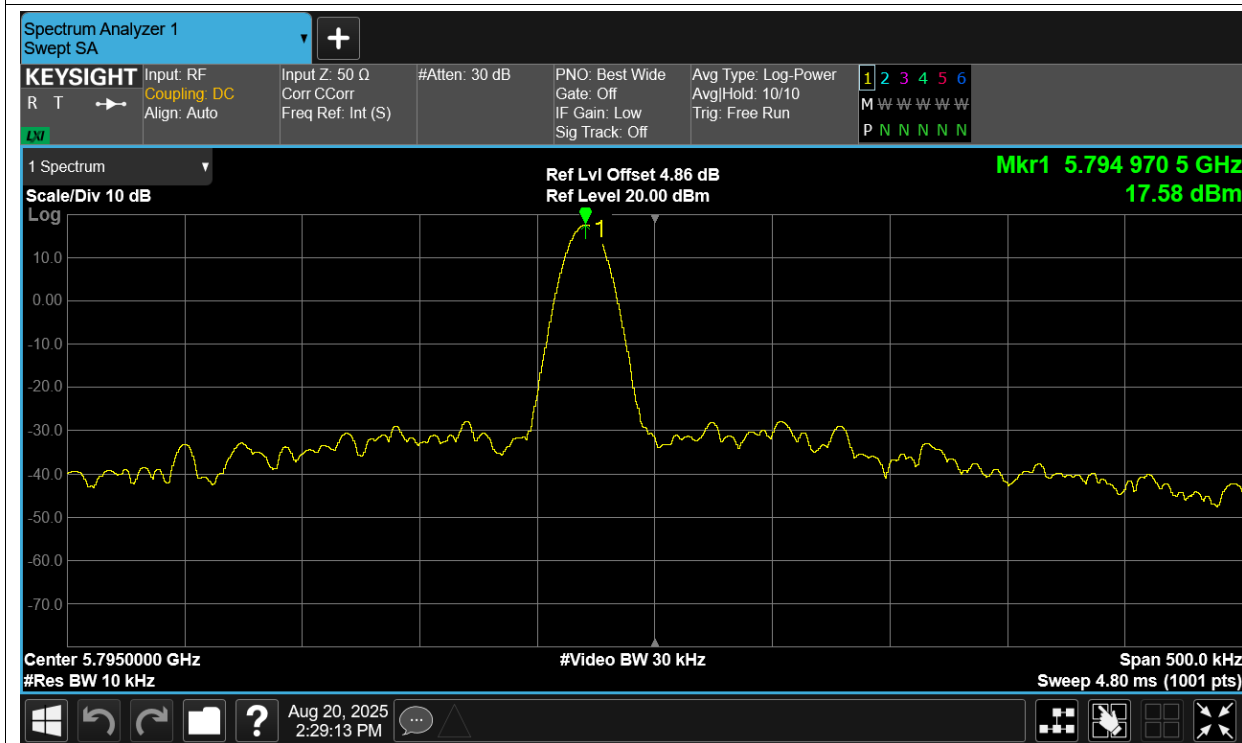
Freq. Stability NVNT 5775MHz Ant1



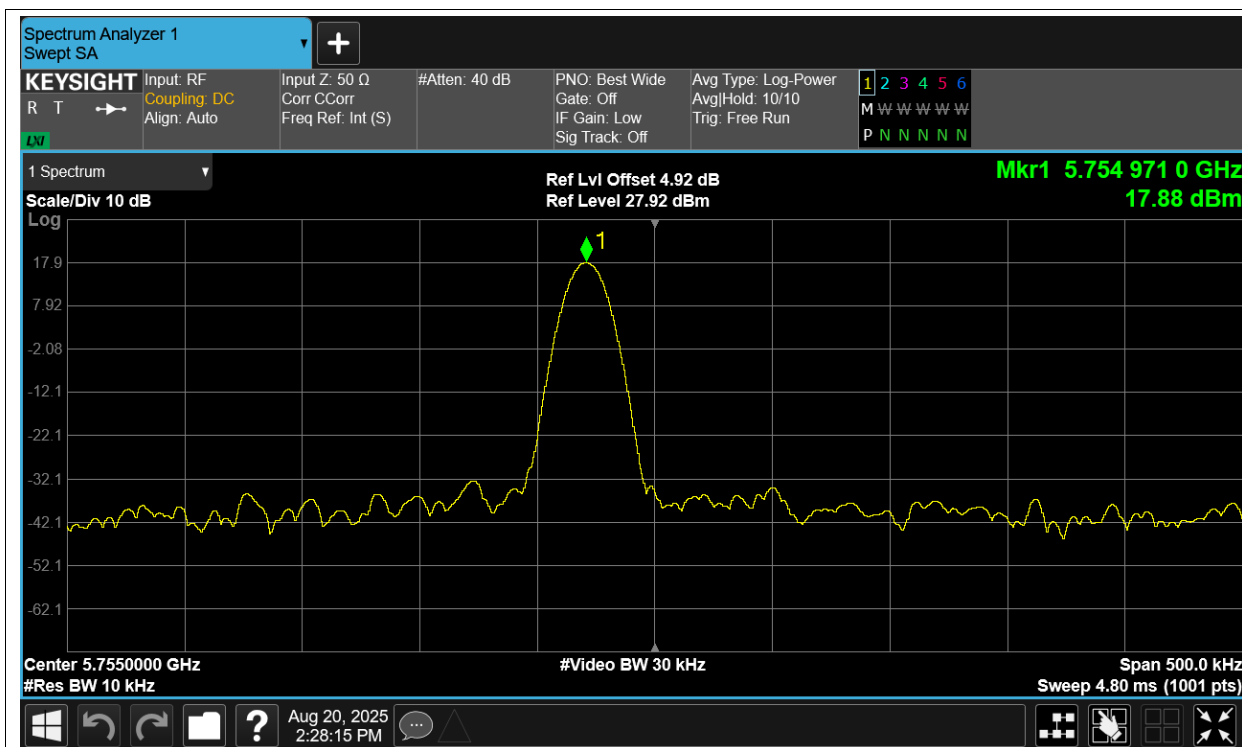
Freq. Stability HVNT 5755MHz Ant1



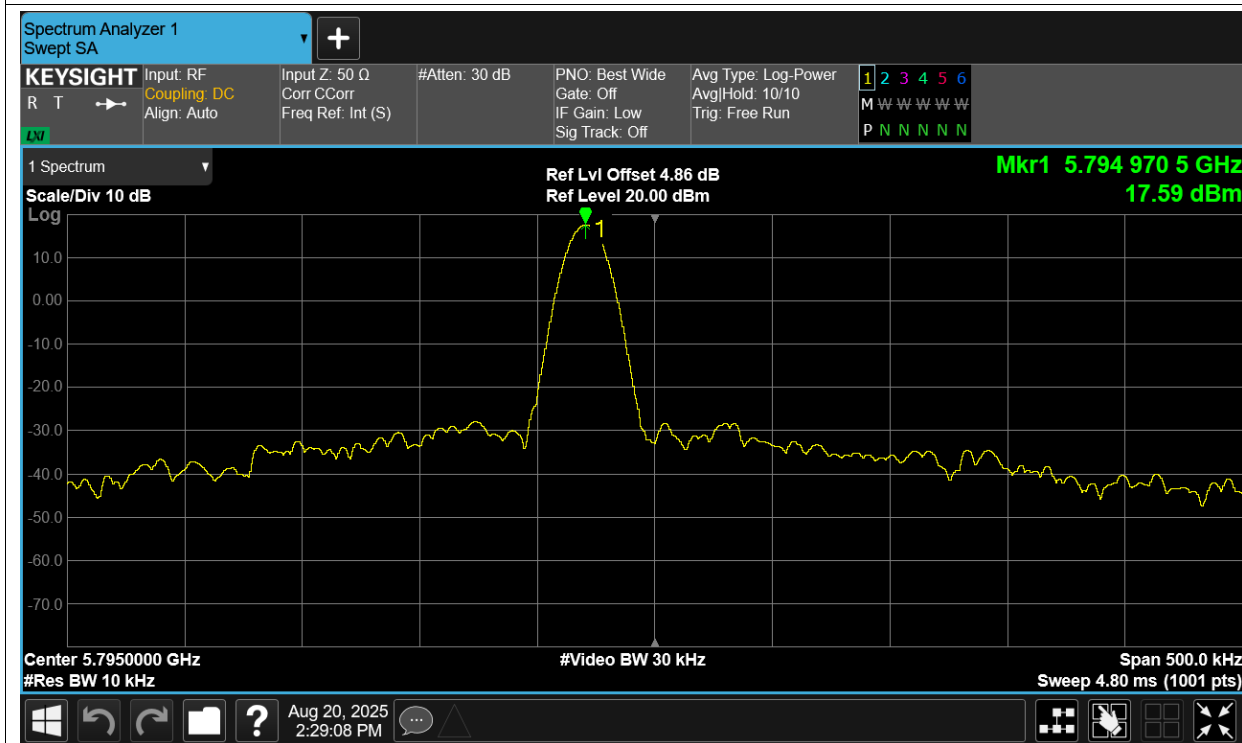
Freq. Stability HVNT 5795MHz Ant1



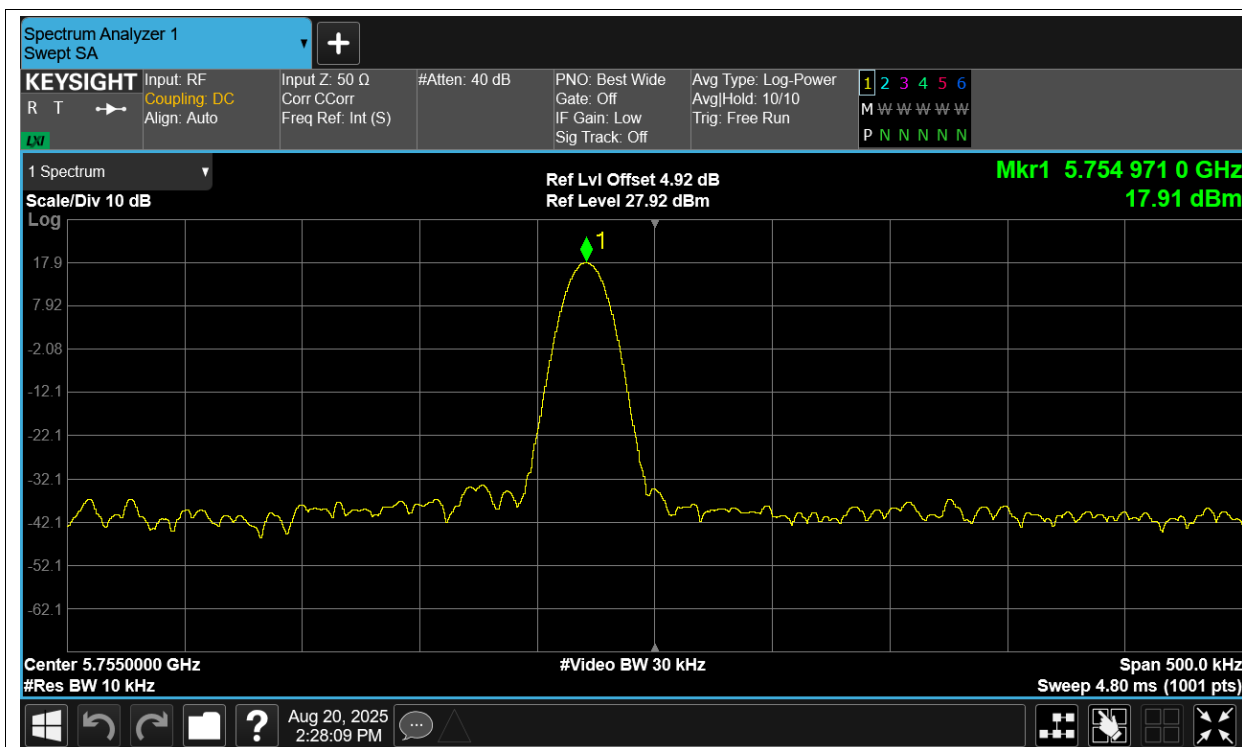
Freq. Stability LVNT 5755MHz Ant1



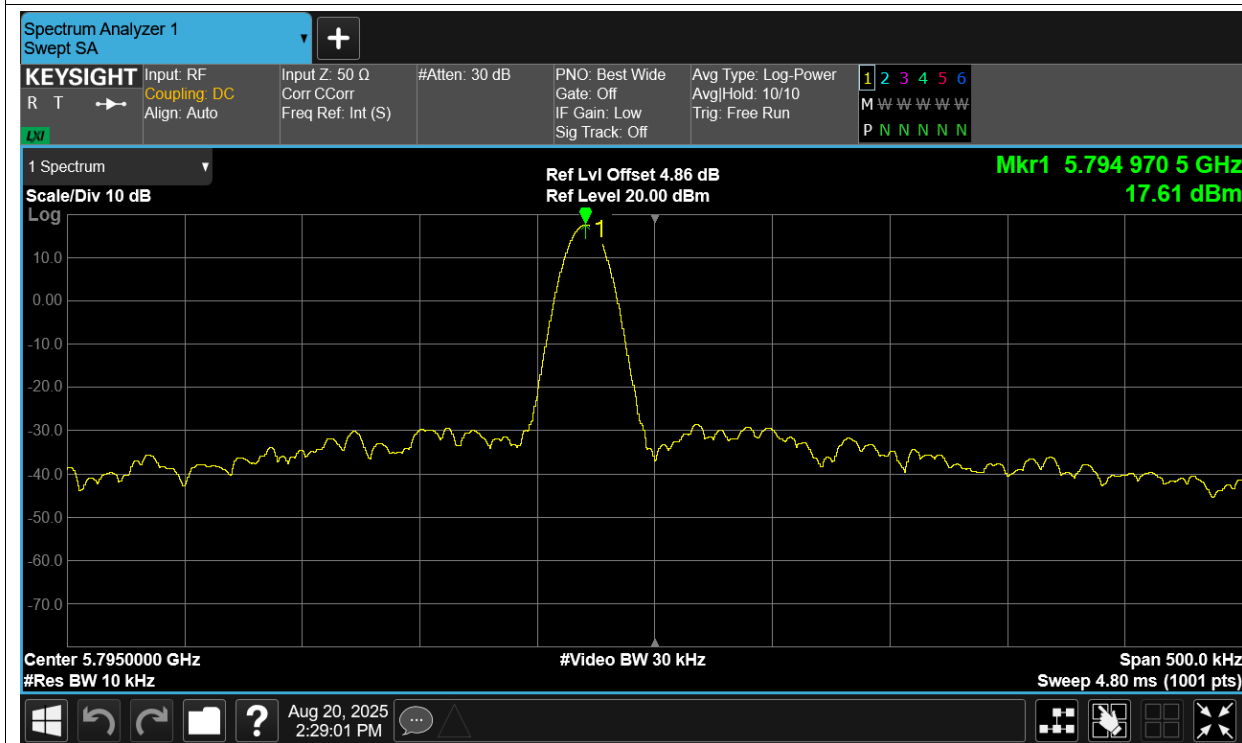
Freq. Stability LVNT 5795MHz Ant1



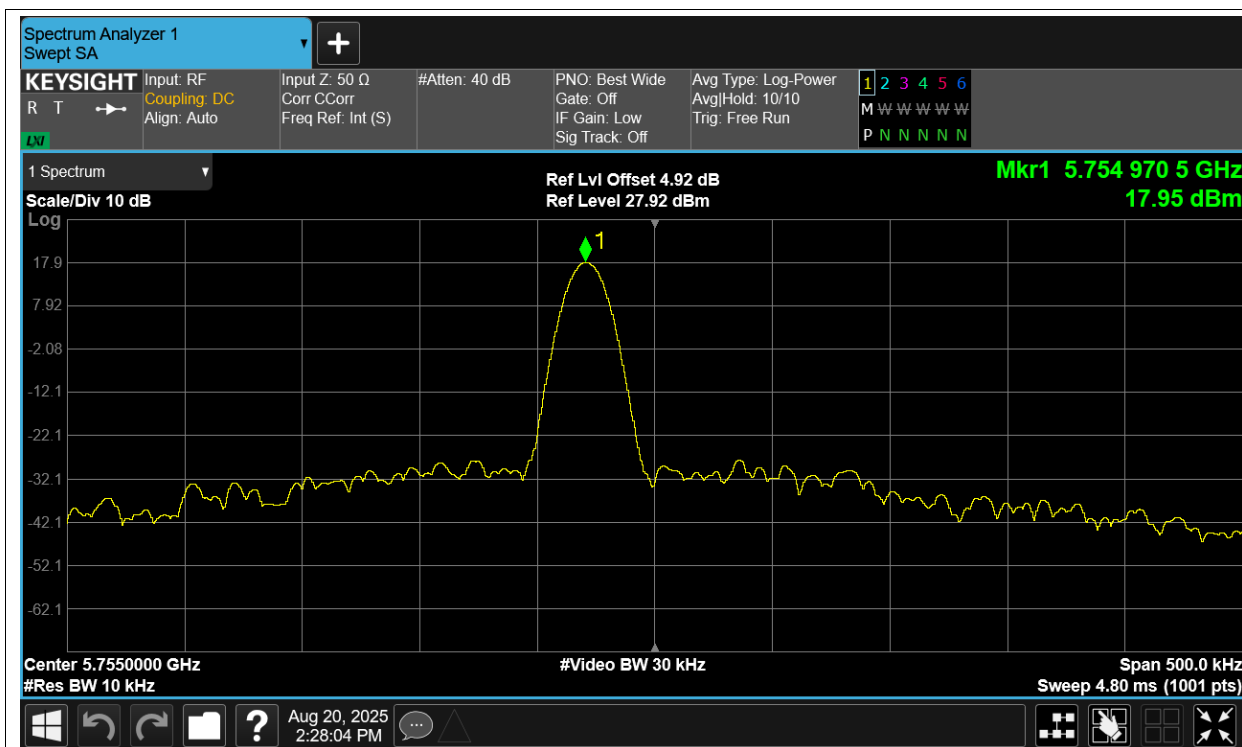
Freq. Stability NVHT 5755MHz Ant1



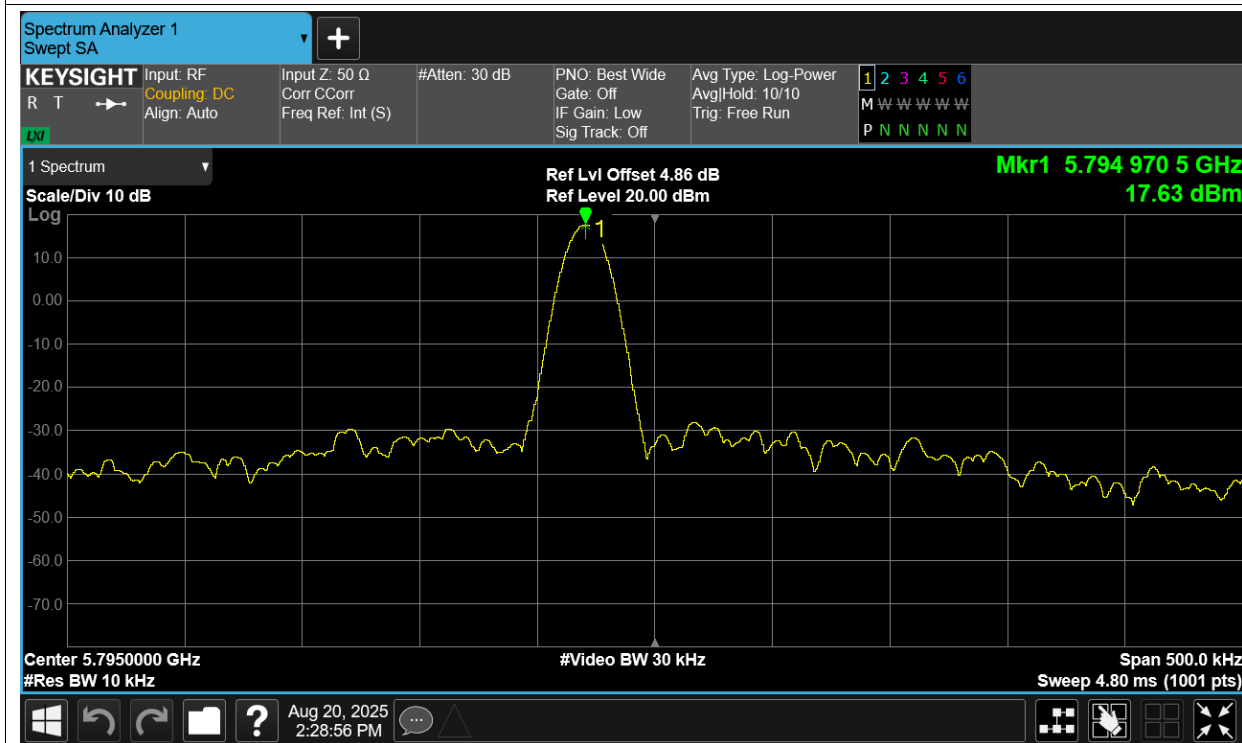
Freq. Stability NVHT 5795MHz Ant1



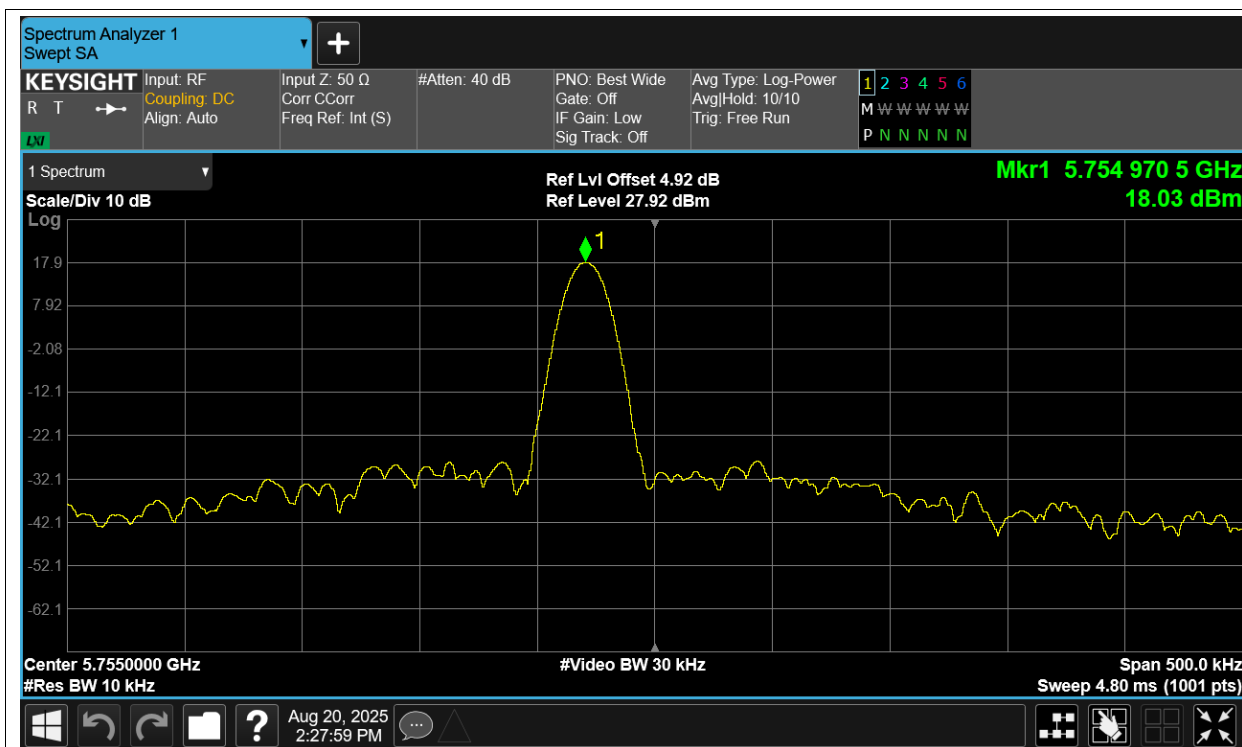
Freq. Stability NVLT 5755MHz Ant1



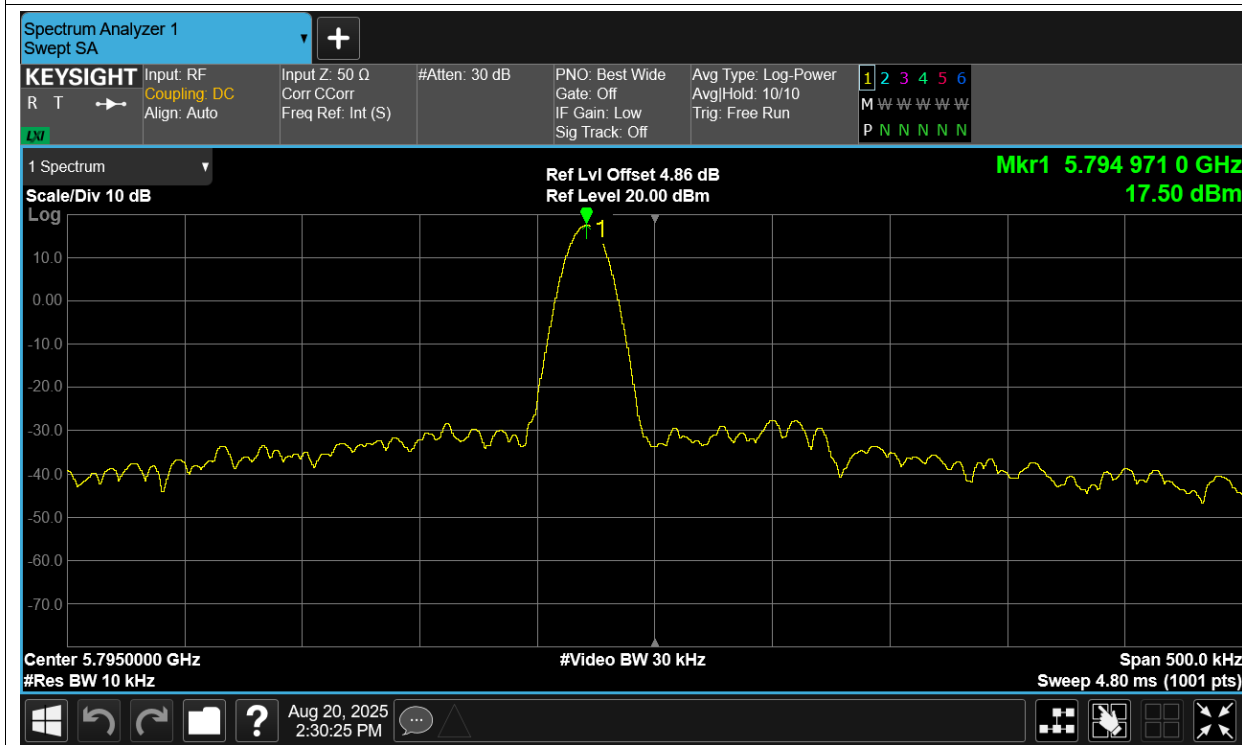
Freq. Stability NVLT 5795MHz Ant1



Freq. Stability NVNT 5755MHz Ant1

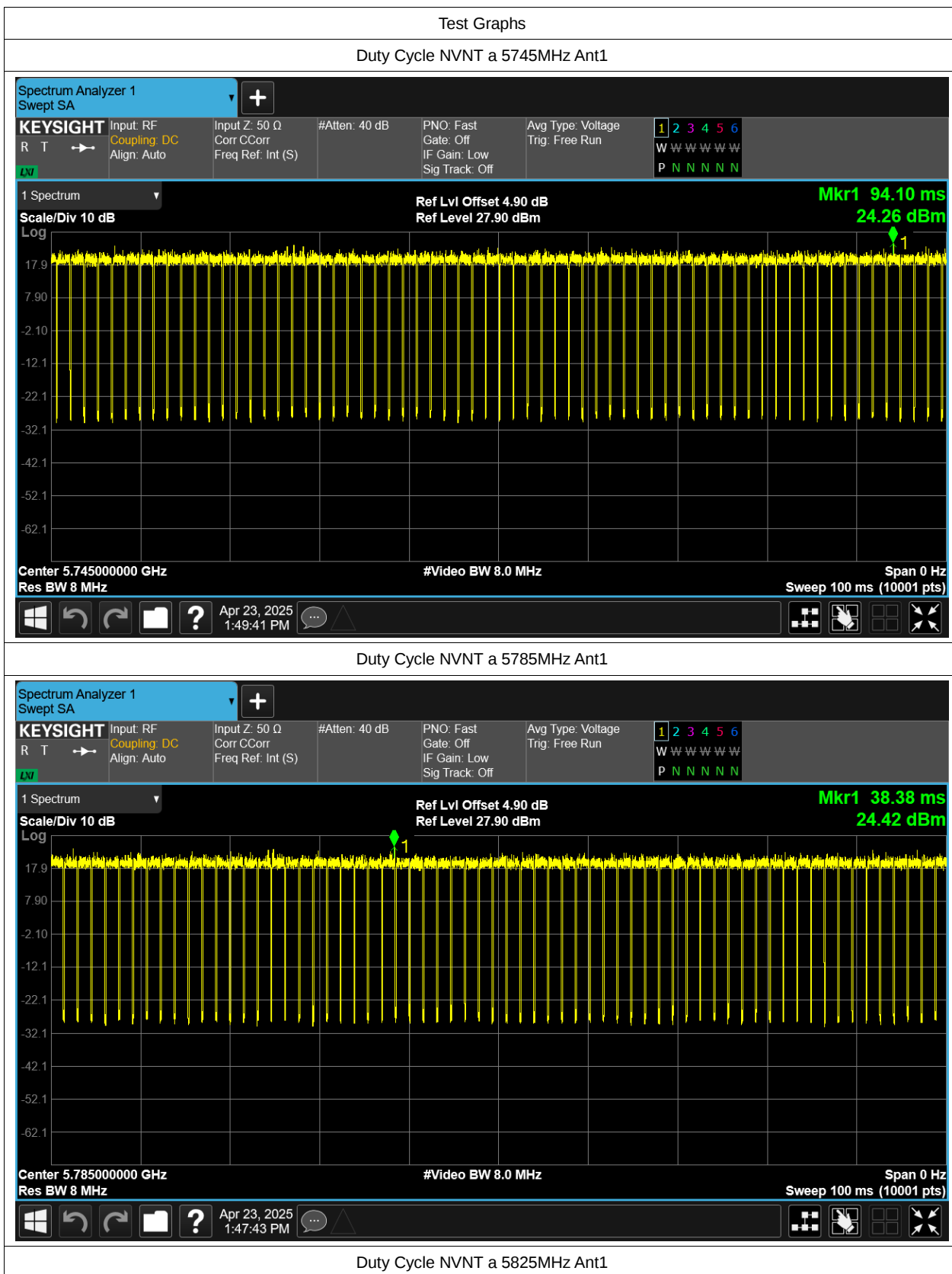


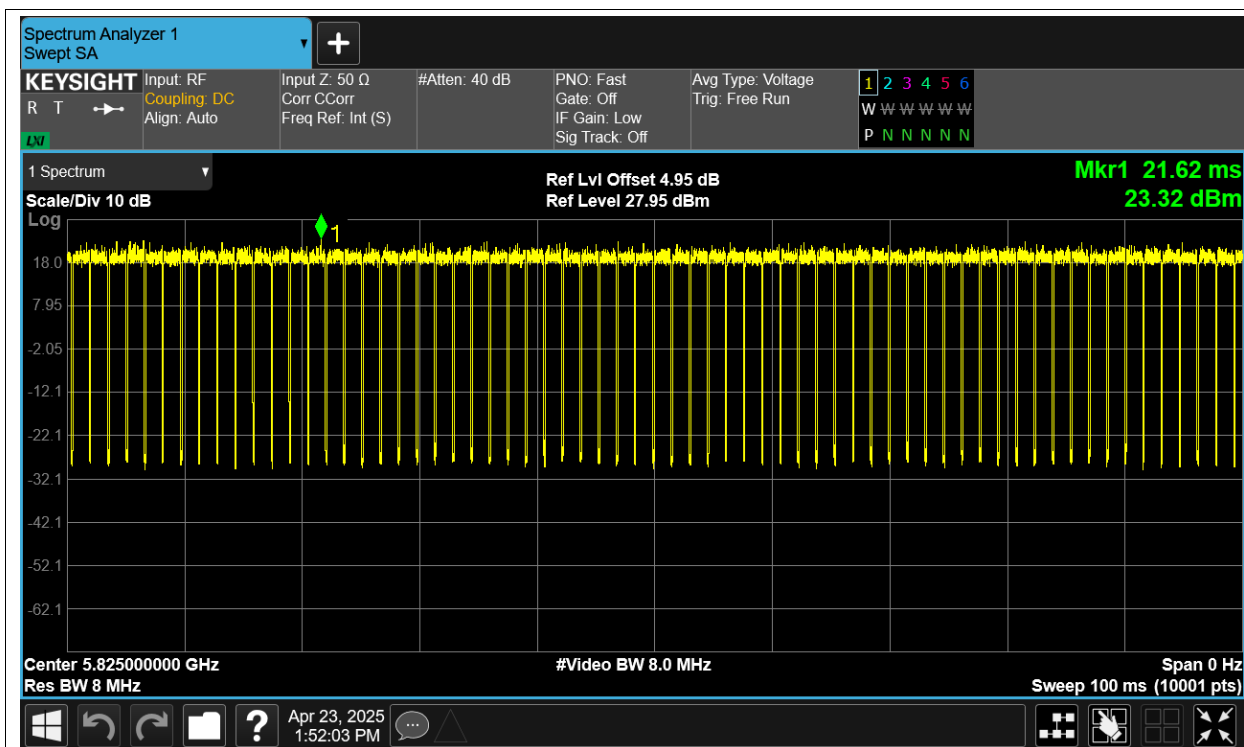
Freq. Stability NVNT 5795MHz Ant1



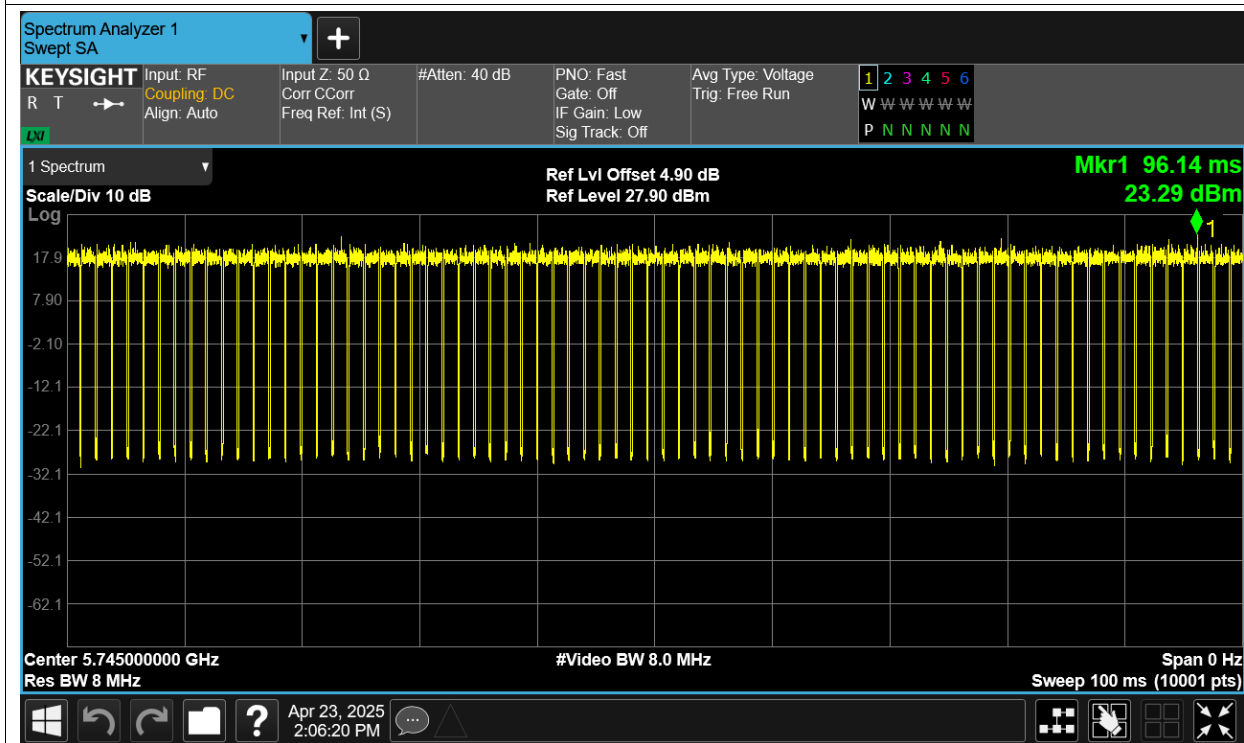
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	90.78	0.42
NVNT	a	5785	Ant1	90.79	0.42
NVNT	a	5825	Ant1	90.75	0.42
NVNT	ac20	5745	Ant1	89.29	0.49
NVNT	ac20	5785	Ant1	89.18	0.5
NVNT	ac20	5825	Ant1	89.27	0.49
NVNT	ac40	5755	Ant1	80.55	0.94
NVNT	ac40	5795	Ant1	80.49	0.94
NVNT	ac80	5775	Ant1	68.34	1.65
NVNT	n20	5745	Ant1	89.23	0.49
NVNT	n20	5785	Ant1	89.17	0.5
NVNT	n20	5825	Ant1	89.11	0.5
NVNT	n40	5755	Ant1	80.55	0.94
NVNT	n40	5795	Ant1	80.39	0.95

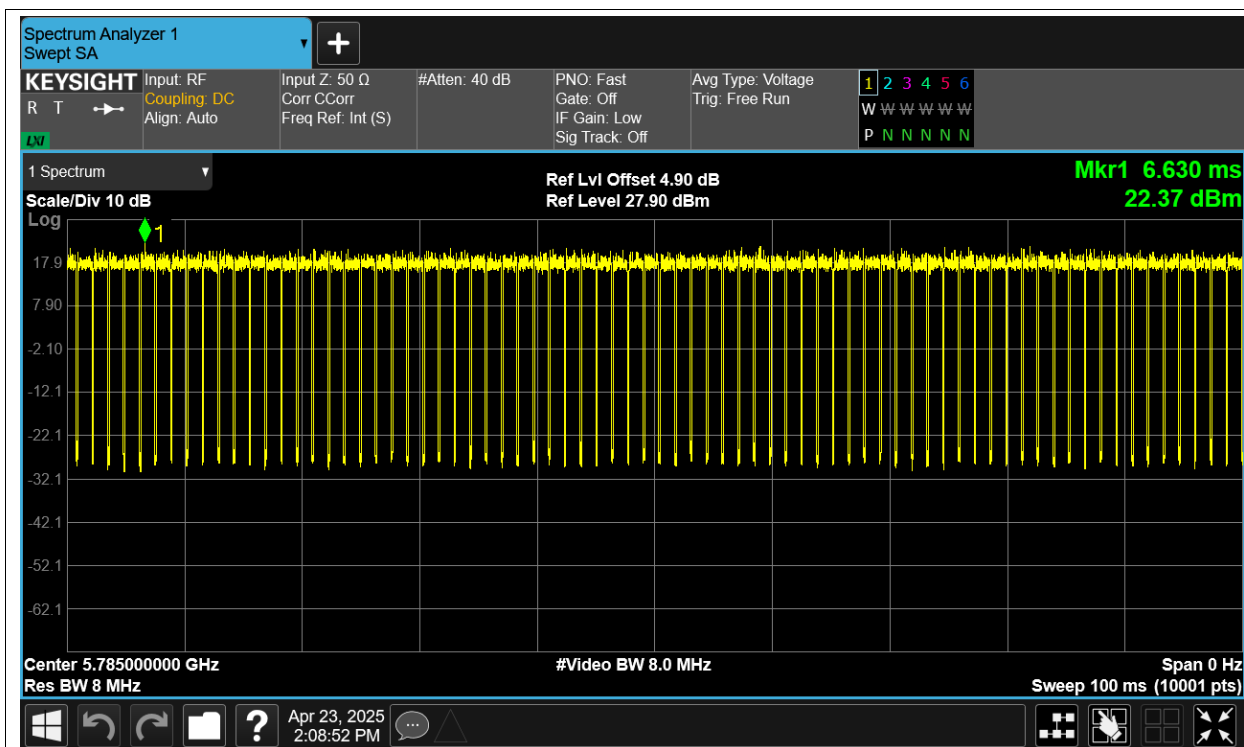




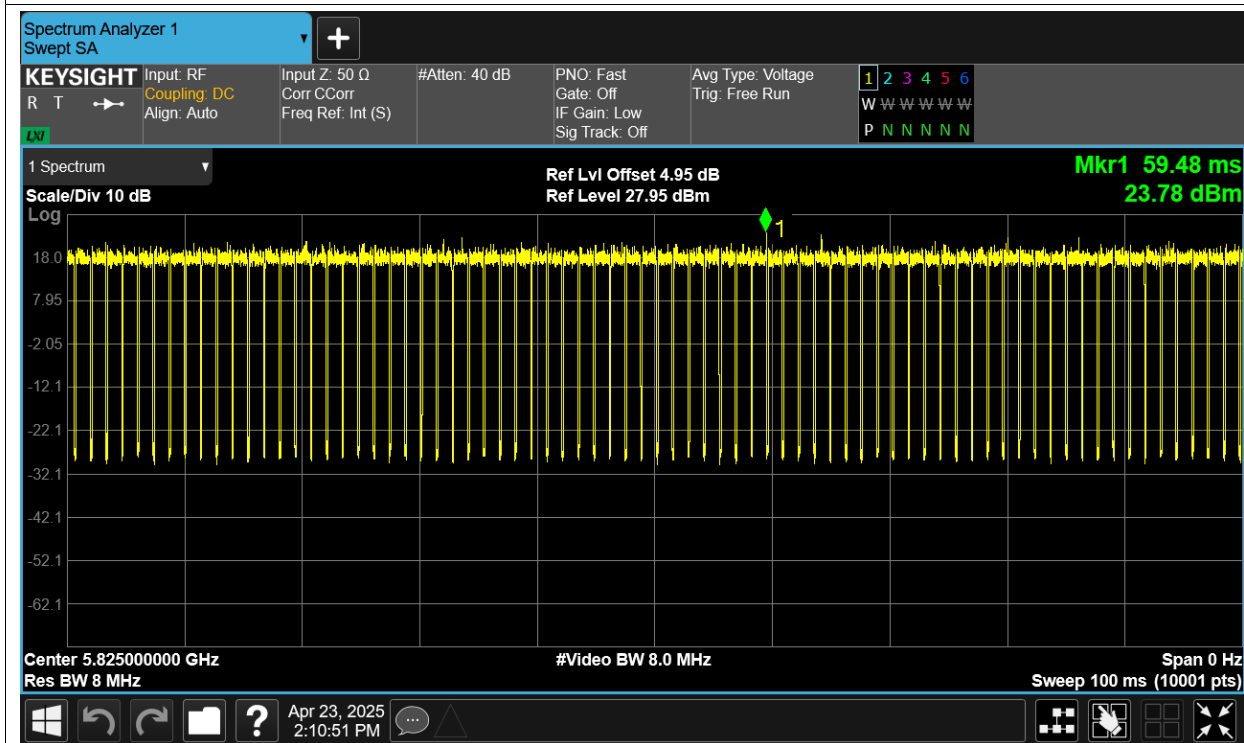
Duty Cycle NVNT ac20 5745MHz Ant1



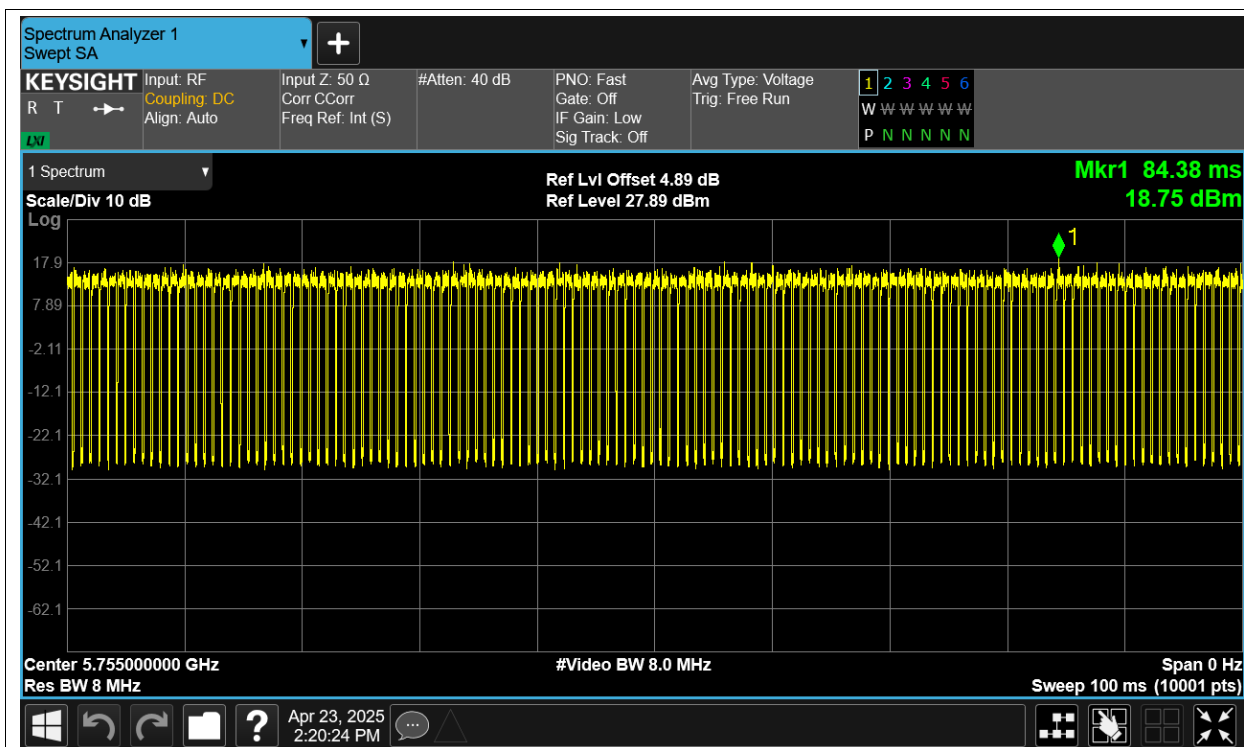
Duty Cycle NVNT ac20 5785MHz Ant1



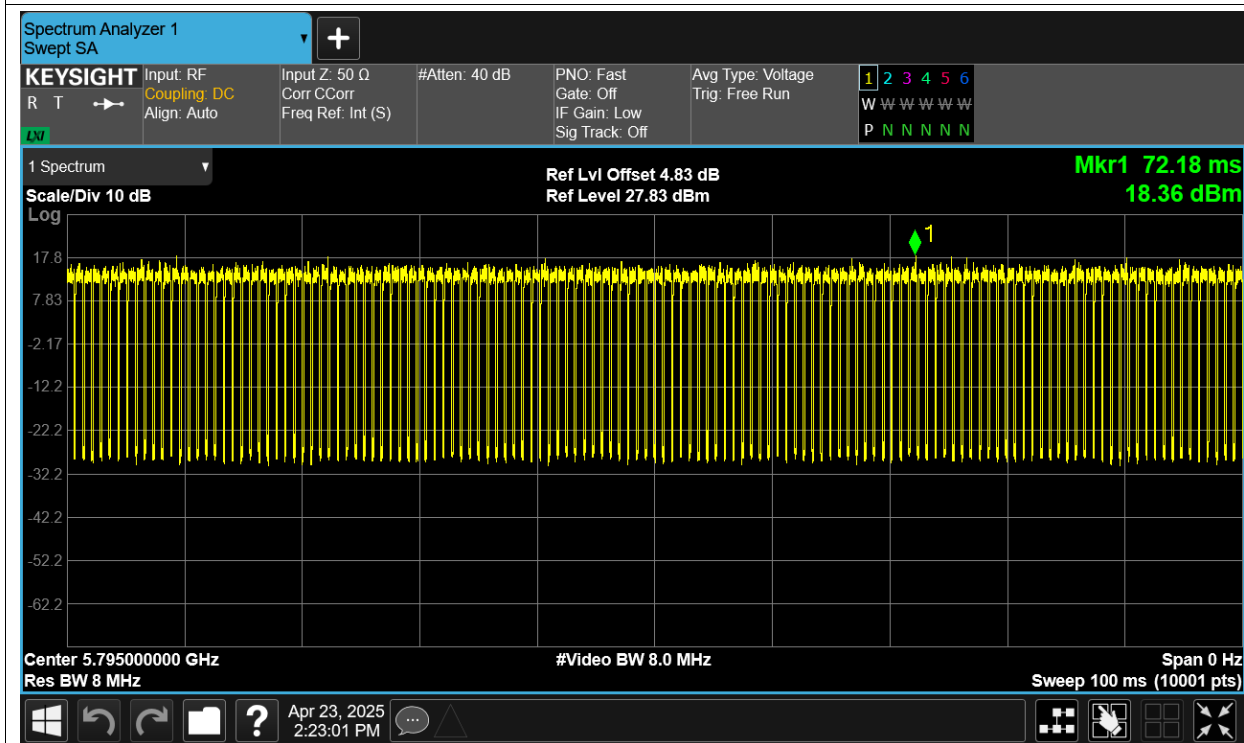
Duty Cycle NVNT ac20 5825MHz Ant1



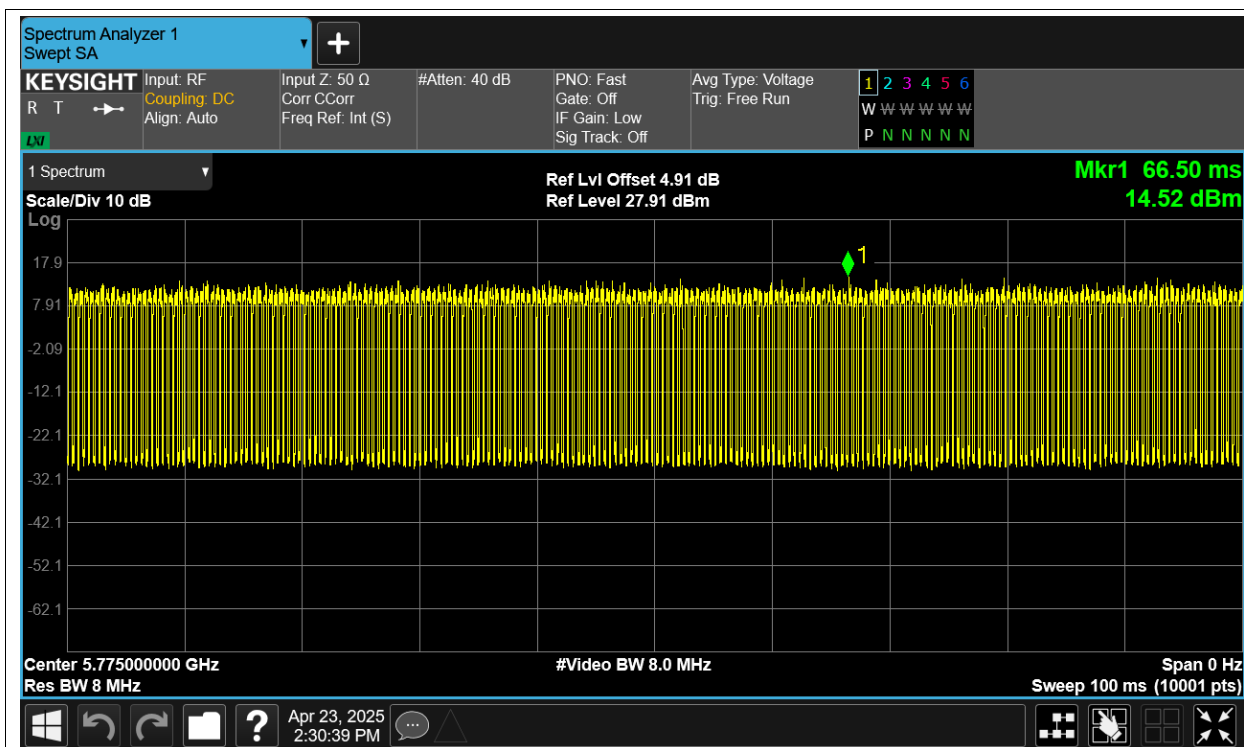
Duty Cycle NVNT ac40 5755MHz Ant1



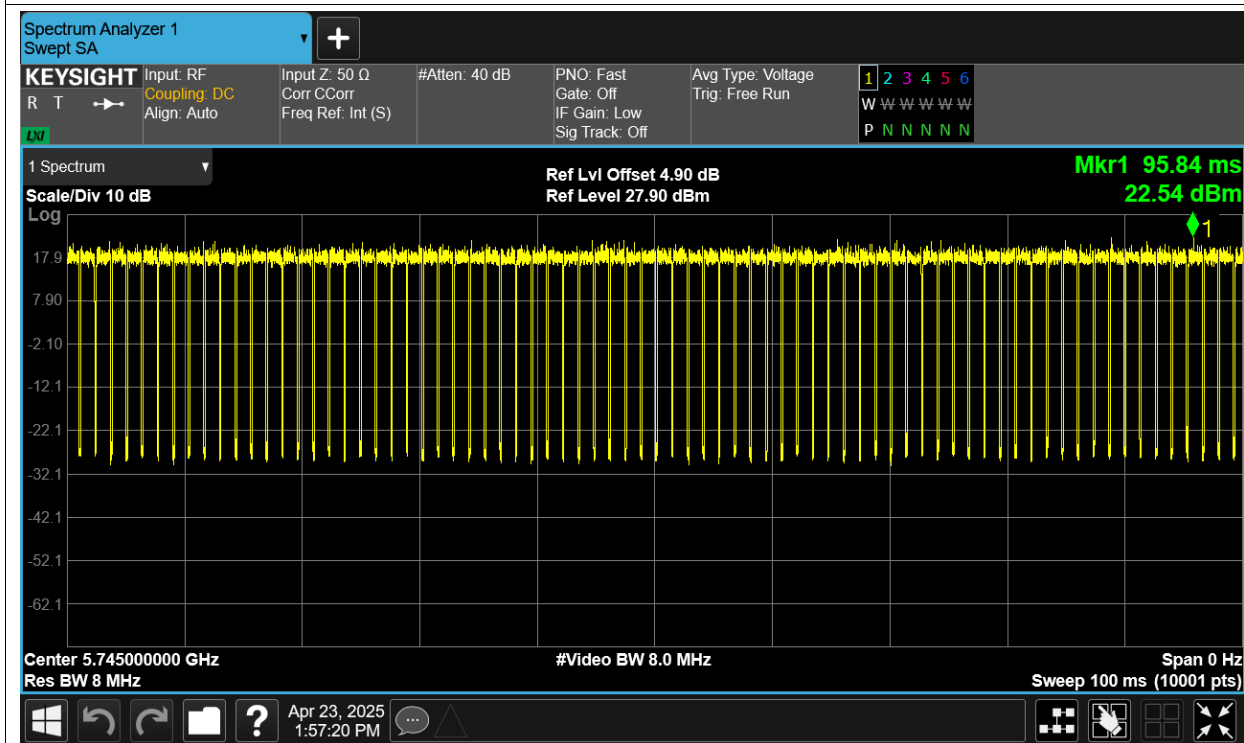
Duty Cycle NVNT ac40 5795MHz Ant1



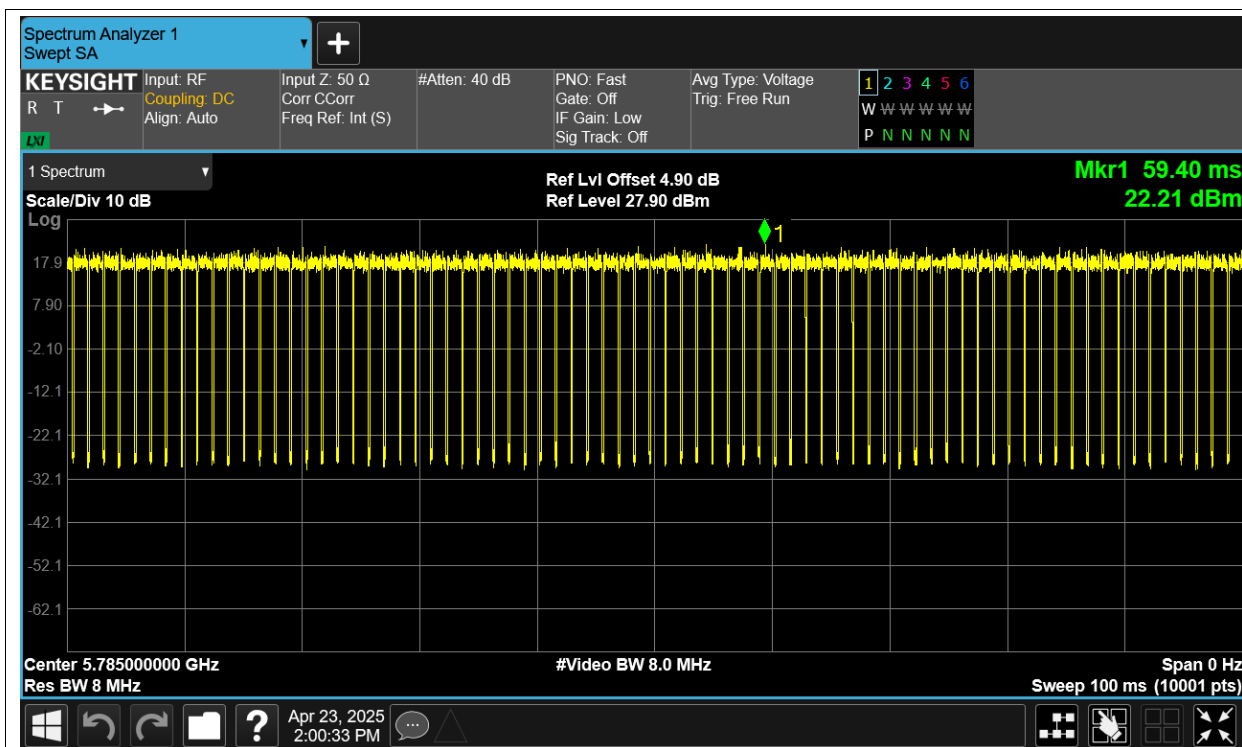
Duty Cycle NVNT ac80 5775MHz Ant1



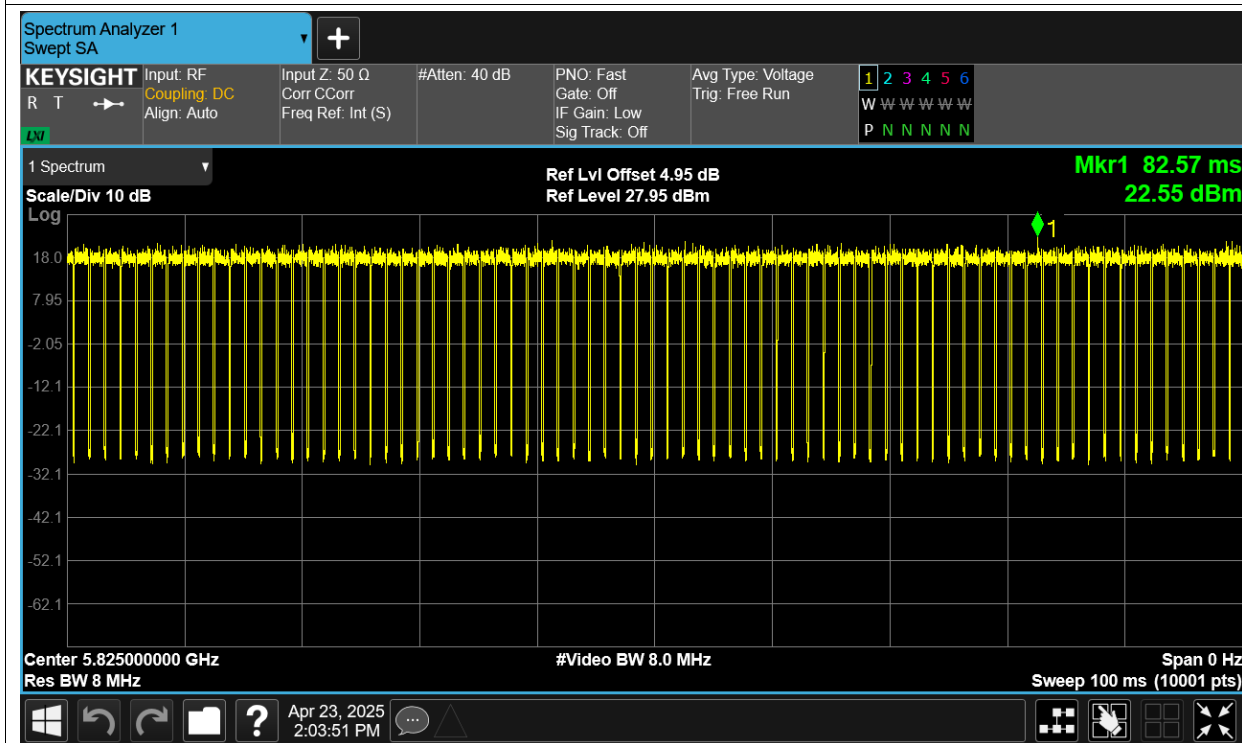
Duty Cycle NVNT n20 5745MHz Ant1



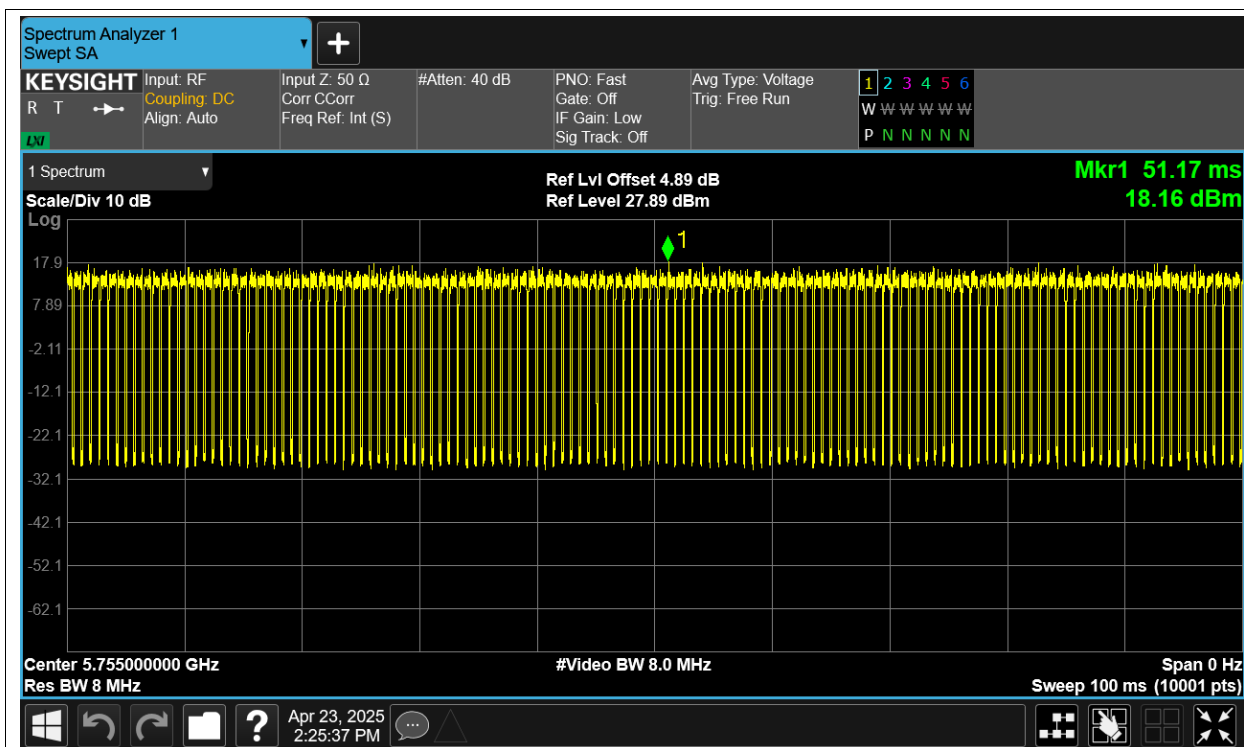
Duty Cycle NVNT n20 5785MHz Ant1



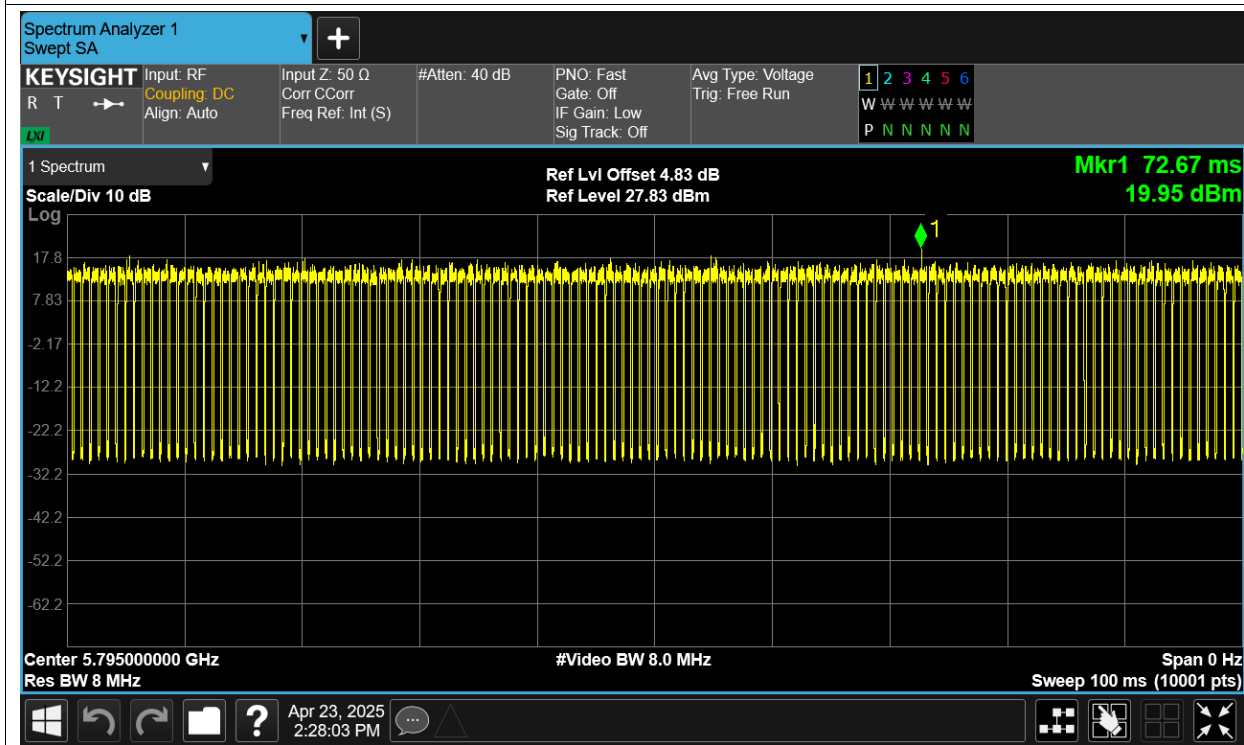
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



Maximum Conducted Output Power

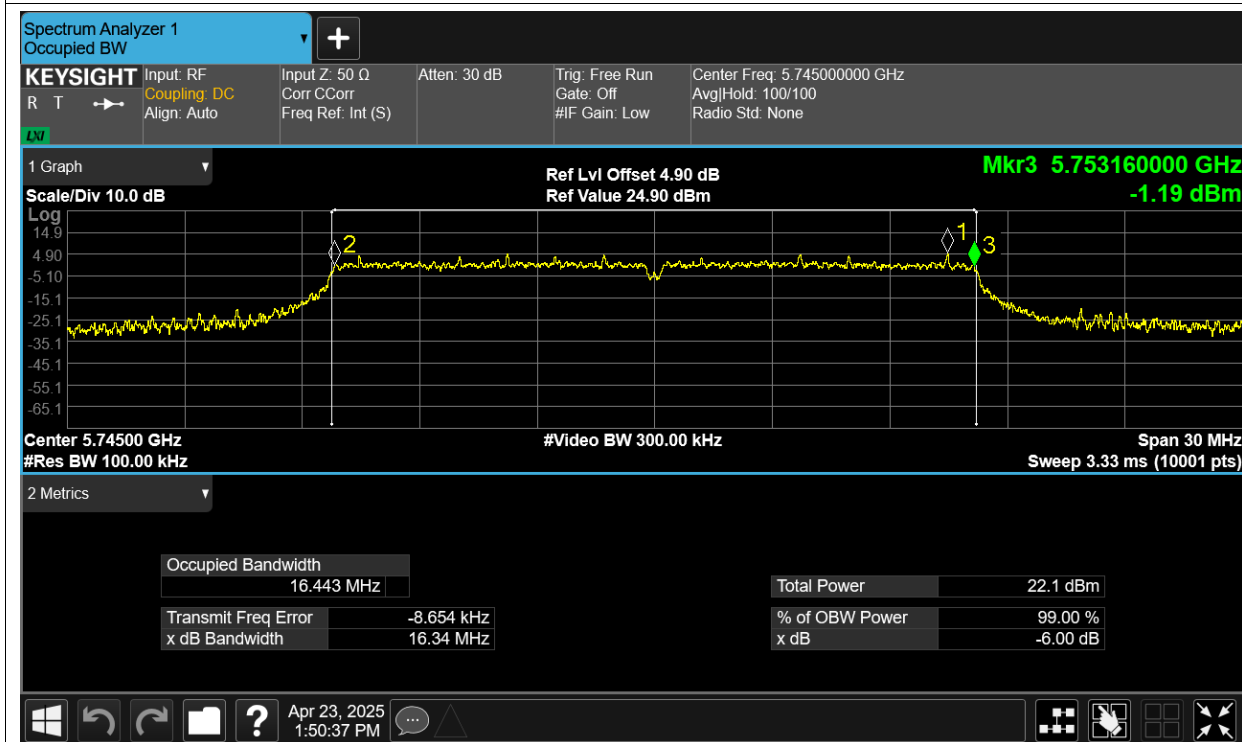
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	15.56	0.42	15.98	30	Pass
NVNT	a	5785	Ant1	15.01	0.42	15.43	30	Pass
NVNT	a	5825	Ant1	15.52	0.42	15.94	30	Pass
NVNT	ac20	5745	Ant1	14.49	0.49	14.98	30	Pass
NVNT	ac20	5785	Ant1	14	0.5	14.5	30	Pass
NVNT	ac20	5825	Ant1	14.5	0.49	14.99	30	Pass
NVNT	ac40	5755	Ant1	13.74	0.94	14.68	30	Pass
NVNT	ac40	5795	Ant1	13.55	0.94	14.49	30	Pass
NVNT	ac80	5775	Ant1	13.11	1.65	14.76	30	Pass
NVNT	n20	5745	Ant1	14.63	0.49	15.12	30	Pass
NVNT	n20	5785	Ant1	13.95	0.5	14.45	30	Pass
NVNT	n20	5825	Ant1	14.52	0.5	15.02	30	Pass
NVNT	n40	5755	Ant1	13.67	0.94	14.61	30	Pass
NVNT	n40	5795	Ant1	13.58	0.95	14.53	30	Pass

-6dB Bandwidth

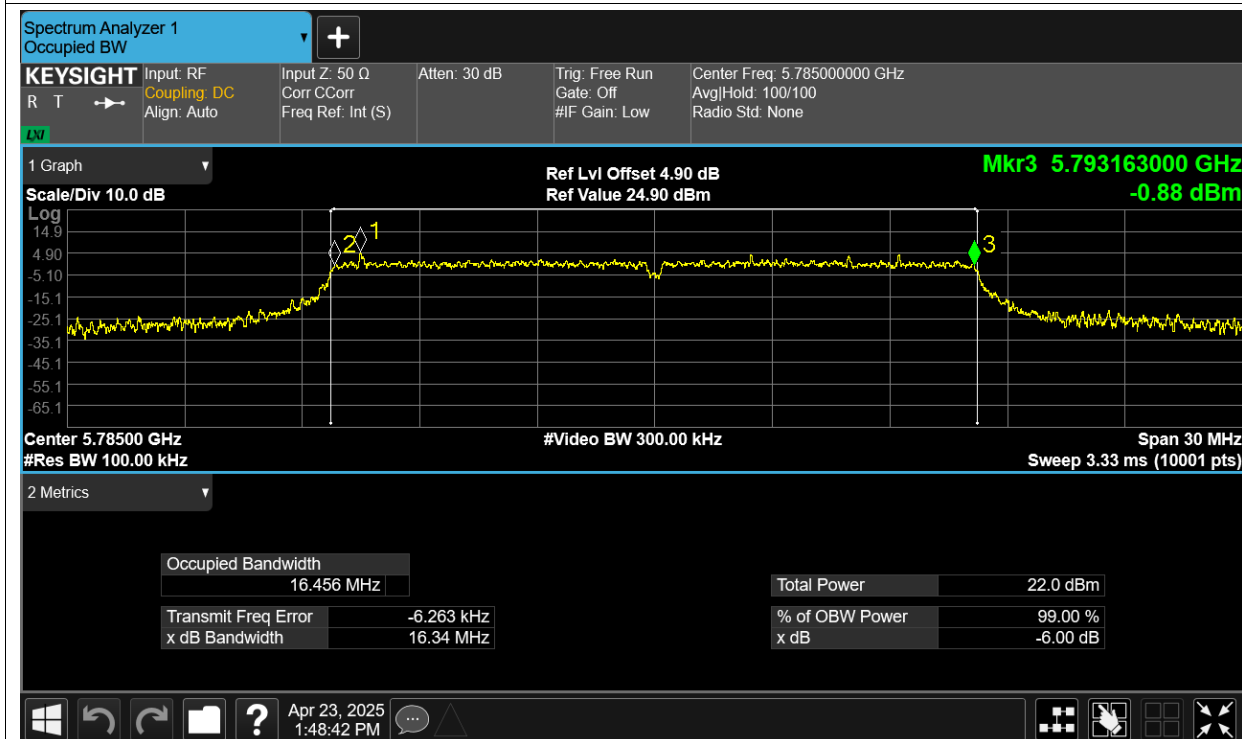
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit (MHz)	Verdic
NVNT	a	5745	Ant1	16.338	0.5	Pass
NVNT	a	5785	Ant1	16.339	0.5	Pass
NVNT	a	5825	Ant1	16.324	0.5	Pass
NVNT	ac20	5745	Ant1	17.278	0.5	Pass
NVNT	ac20	5785	Ant1	17.02	0.5	Pass
NVNT	ac20	5825	Ant1	17.241	0.5	Pass
NVNT	ac40	5755	Ant1	36.257	0.5	Pass
NVNT	ac40	5795	Ant1	36.006	0.5	Pass
NVNT	ac80	5775	Ant1	75.63	0.5	Pass
NVNT	n20	5745	Ant1	17.315	0.5	Pass
NVNT	n20	5785	Ant1	17.111	0.5	Pass
NVNT	n20	5825	Ant1	17.38	0.5	Pass
NVNT	n40	5755	Ant1	36.106	0.5	Pass
NVNT	n40	5795	Ant1	36.185	0.5	Pass

Test Graphs

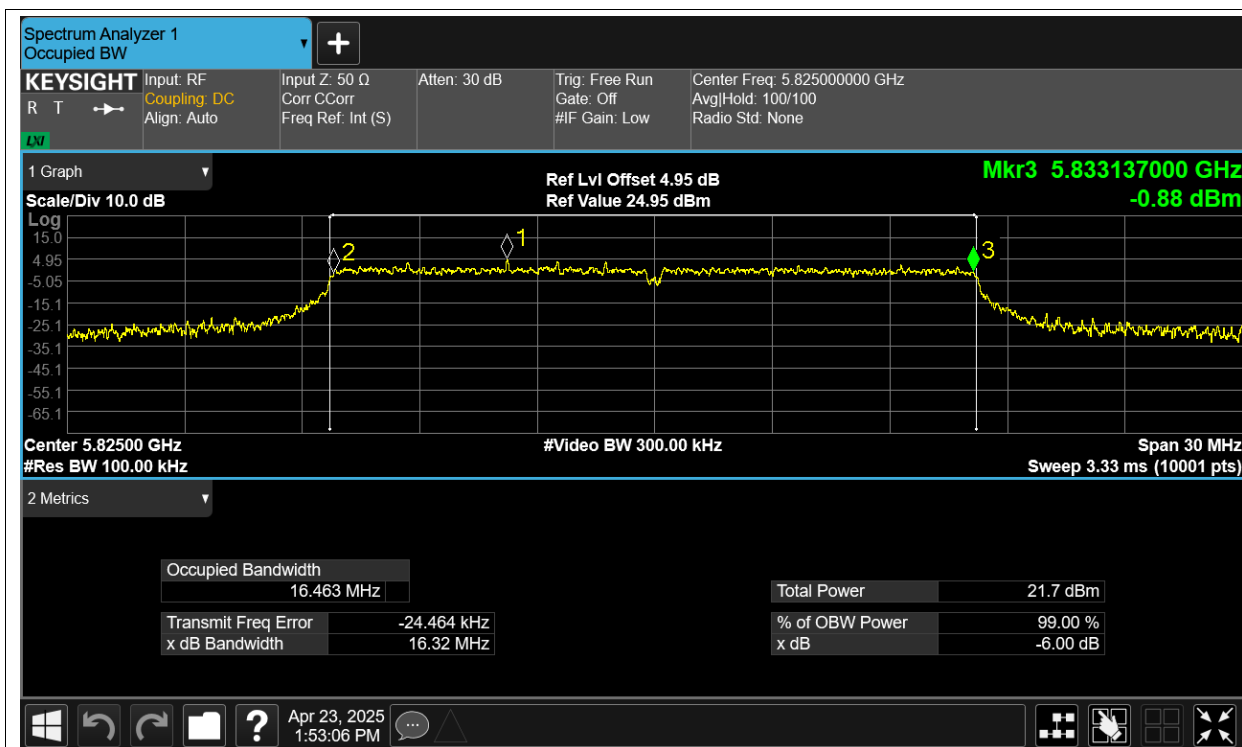
-6dB Bandwidth NVNT a 5745MHz Ant1



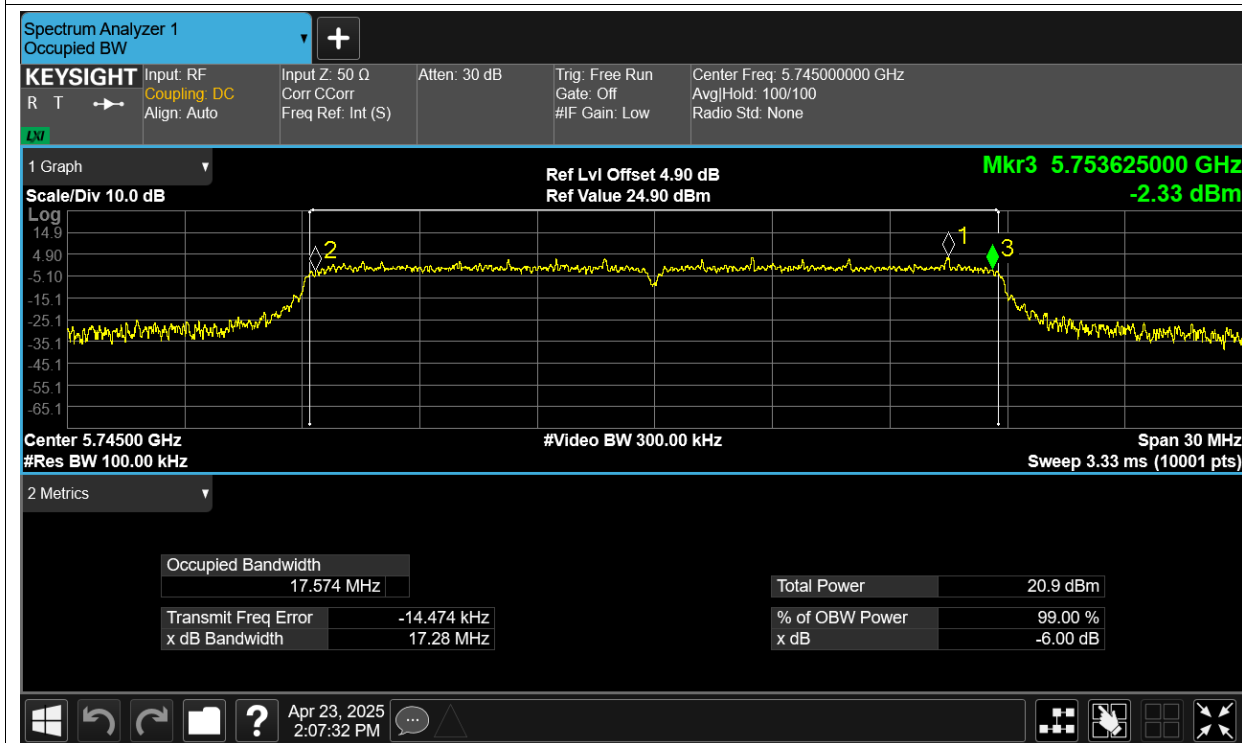
-6dB Bandwidth NVNT a 5785MHz Ant1



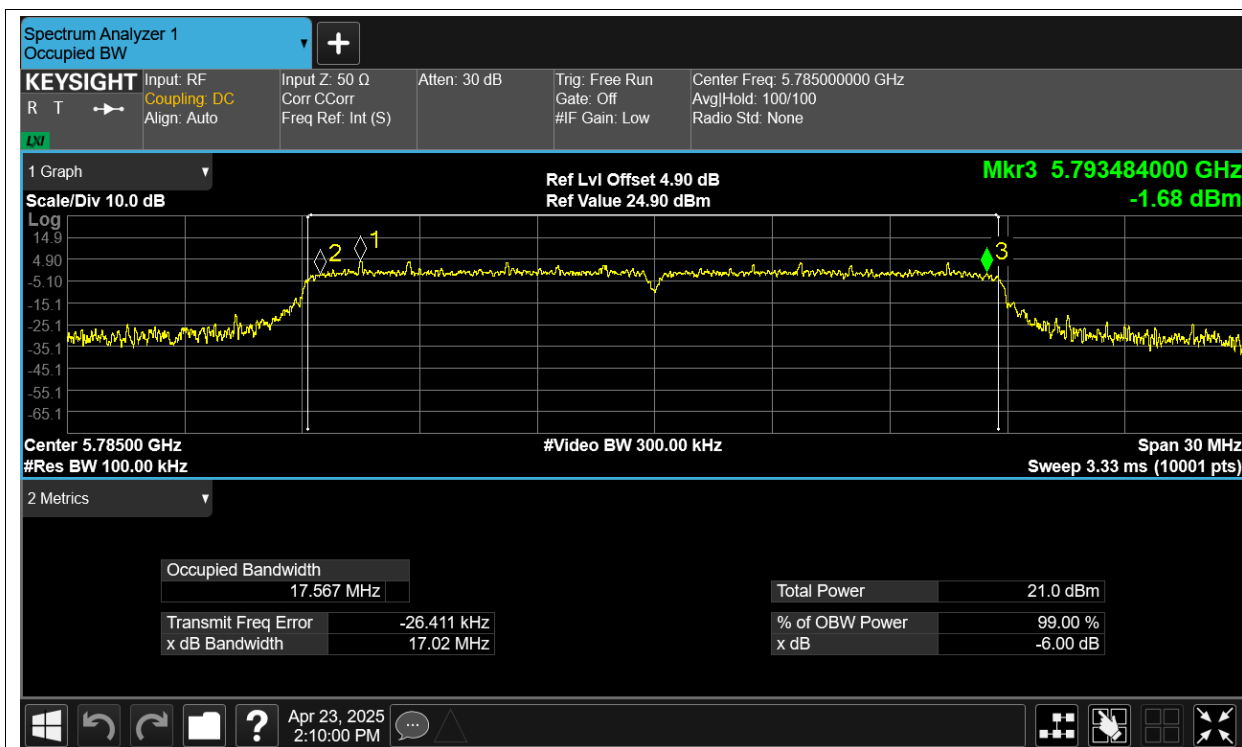
-6dB Bandwidth NVNT a 5825MHz Ant1



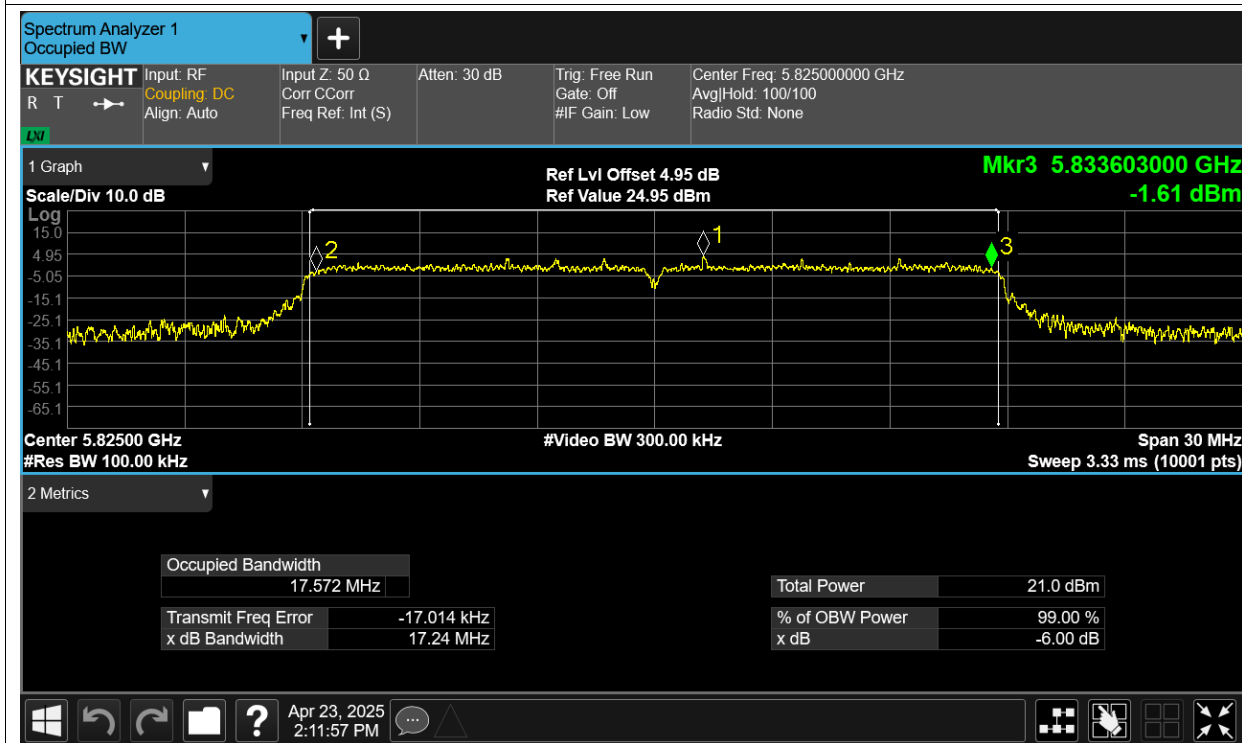
-6dB Bandwidth NVNT ac20 5745MHz Ant1



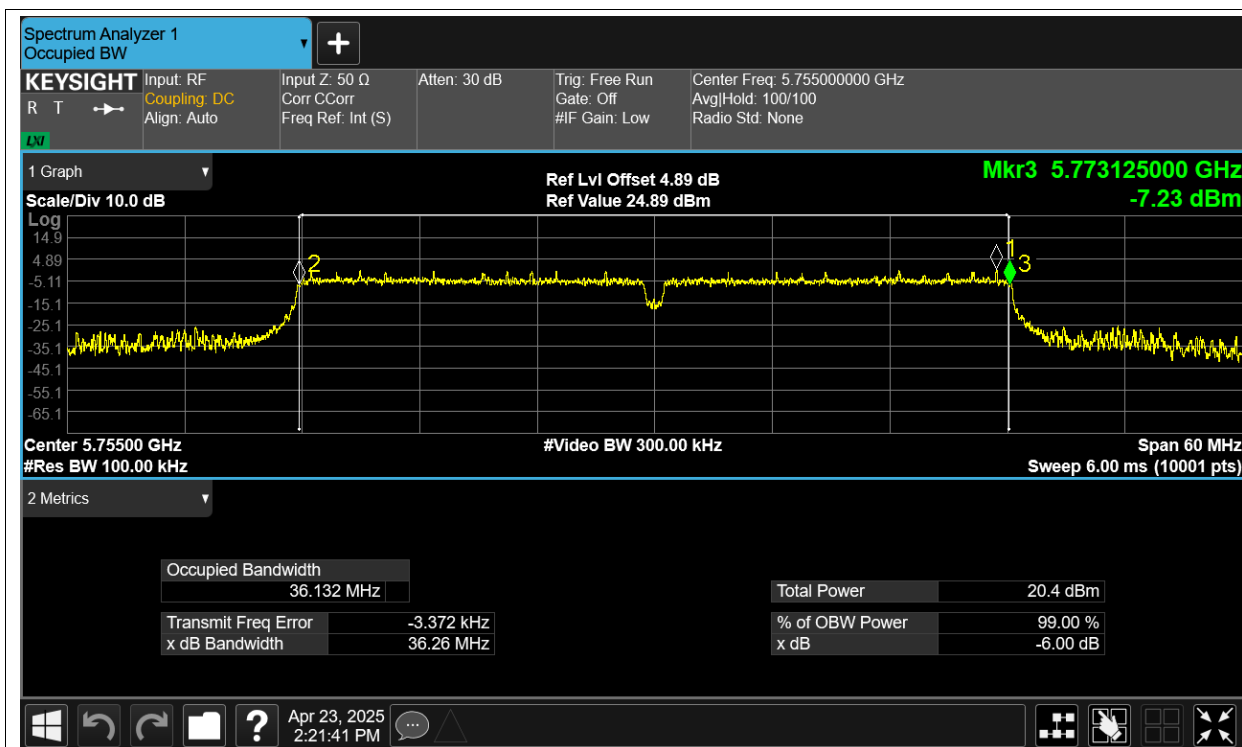
-6dB Bandwidth NVNT ac20 5785MHz Ant1



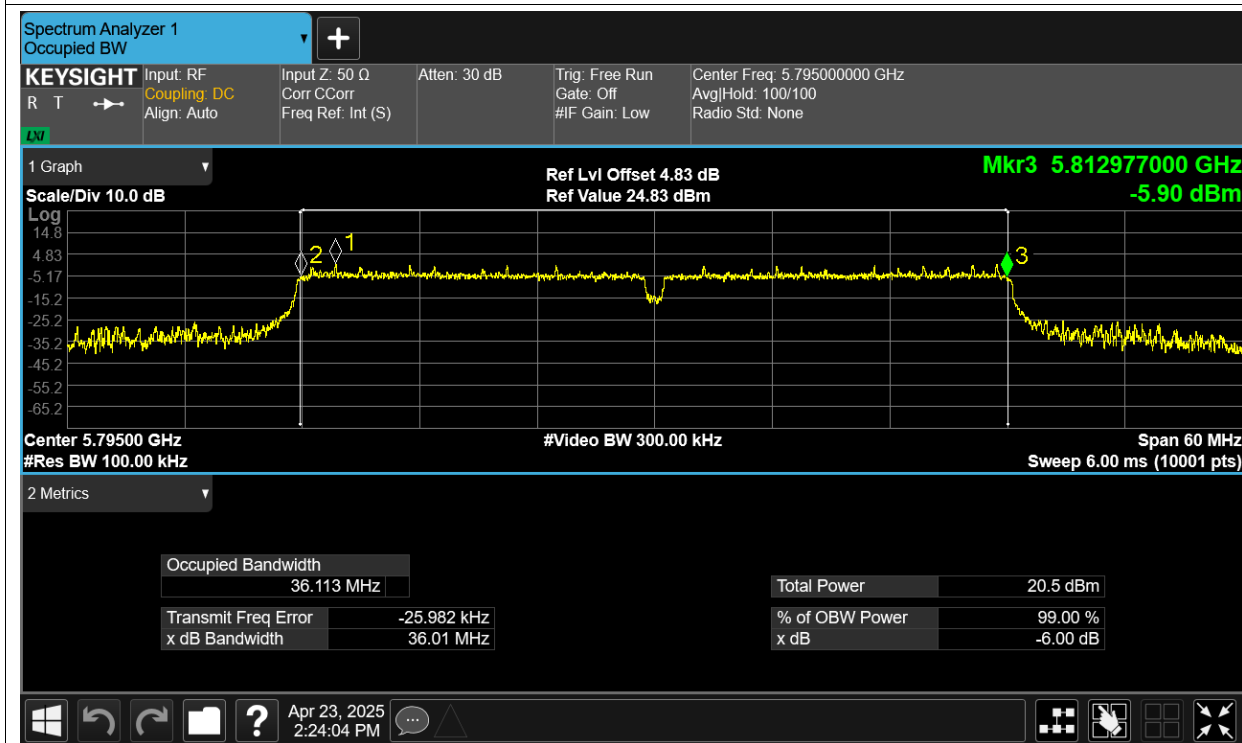
-6dB Bandwidth NVNT ac20 5825MHz Ant1



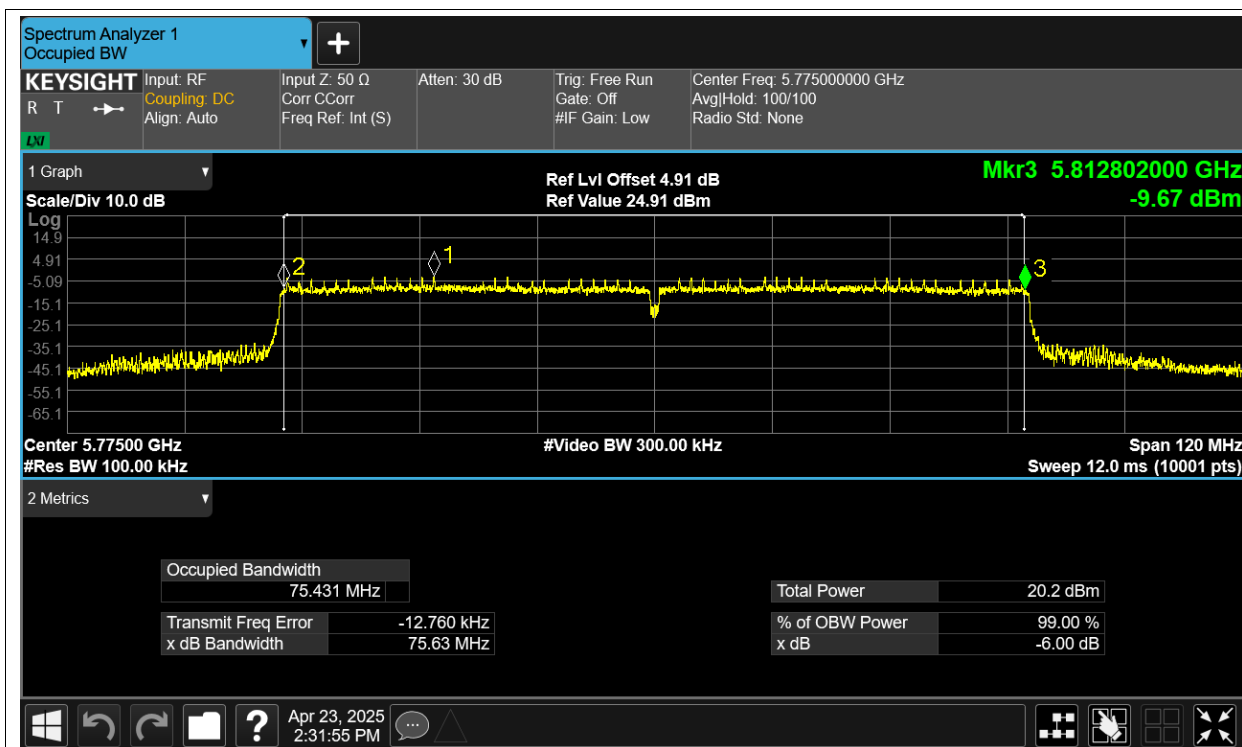
-6dB Bandwidth NVNT ac40 5755MHz Ant1



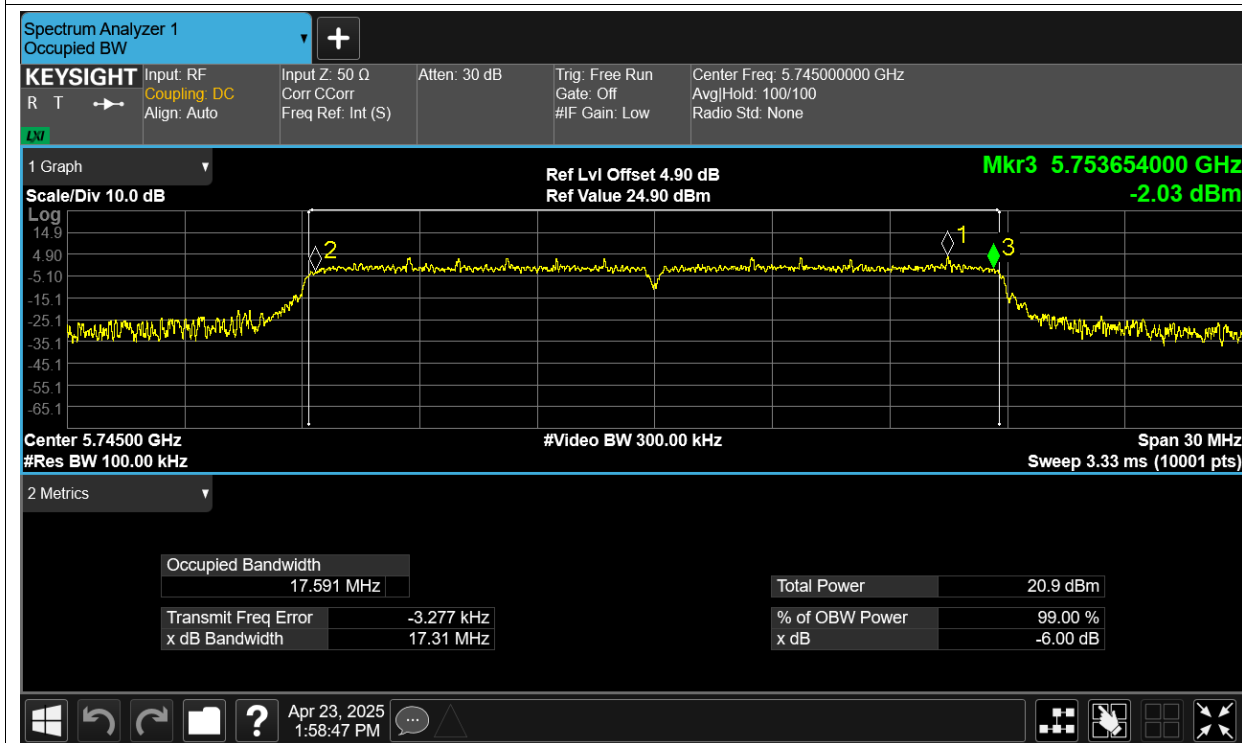
-6dB Bandwidth NVNT ac40 5795MHz Ant1



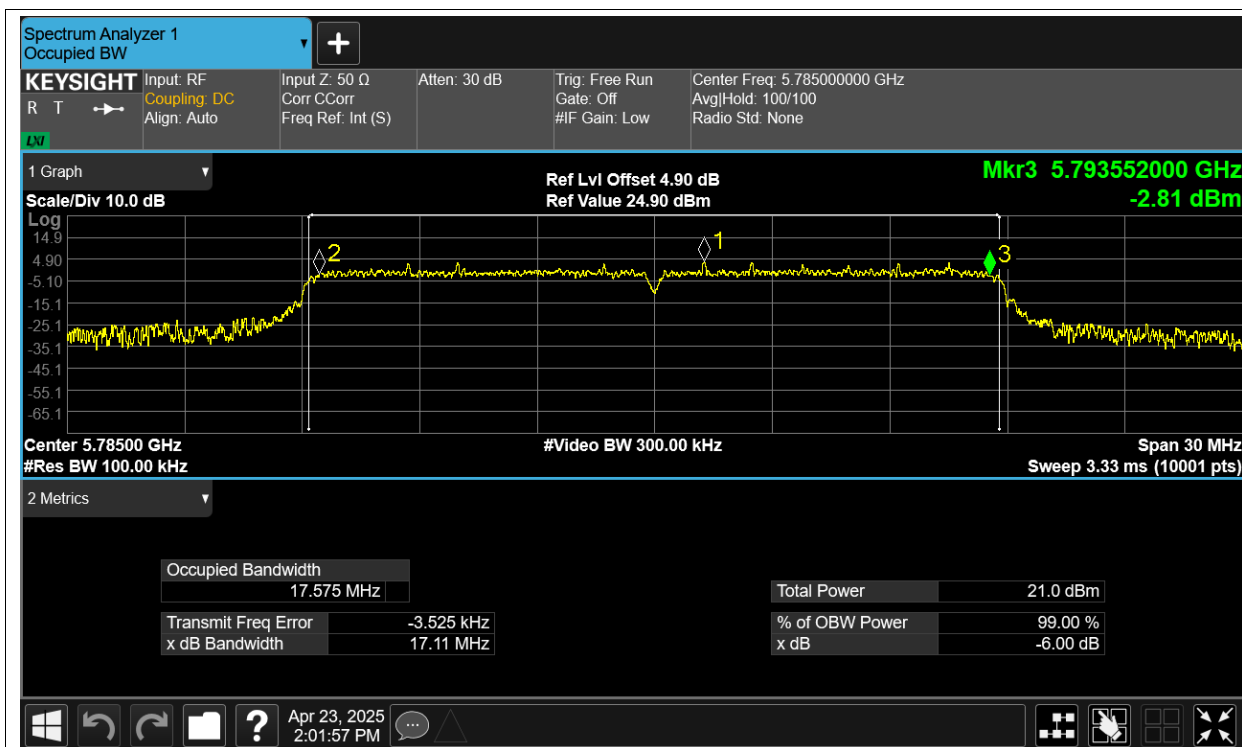
-6dB Bandwidth NVNT ac80 5775MHz Ant1



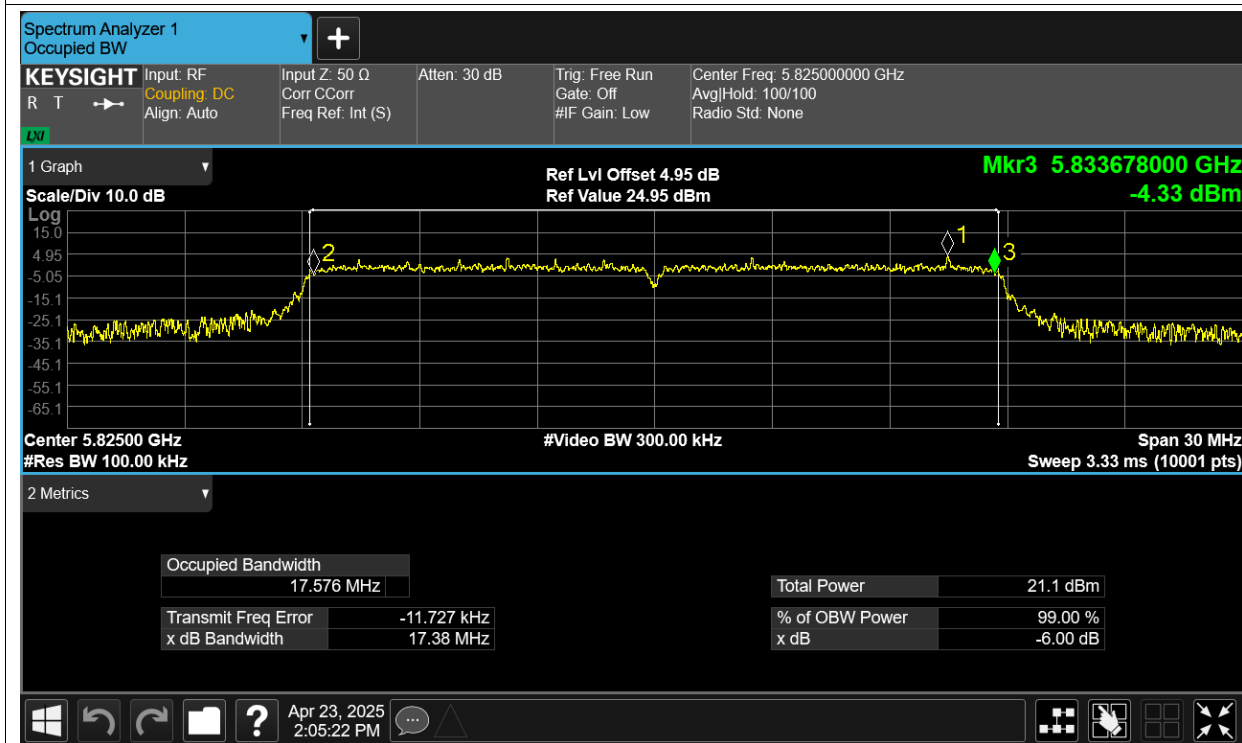
-6dB Bandwidth NVNT n20 5745MHz Ant1



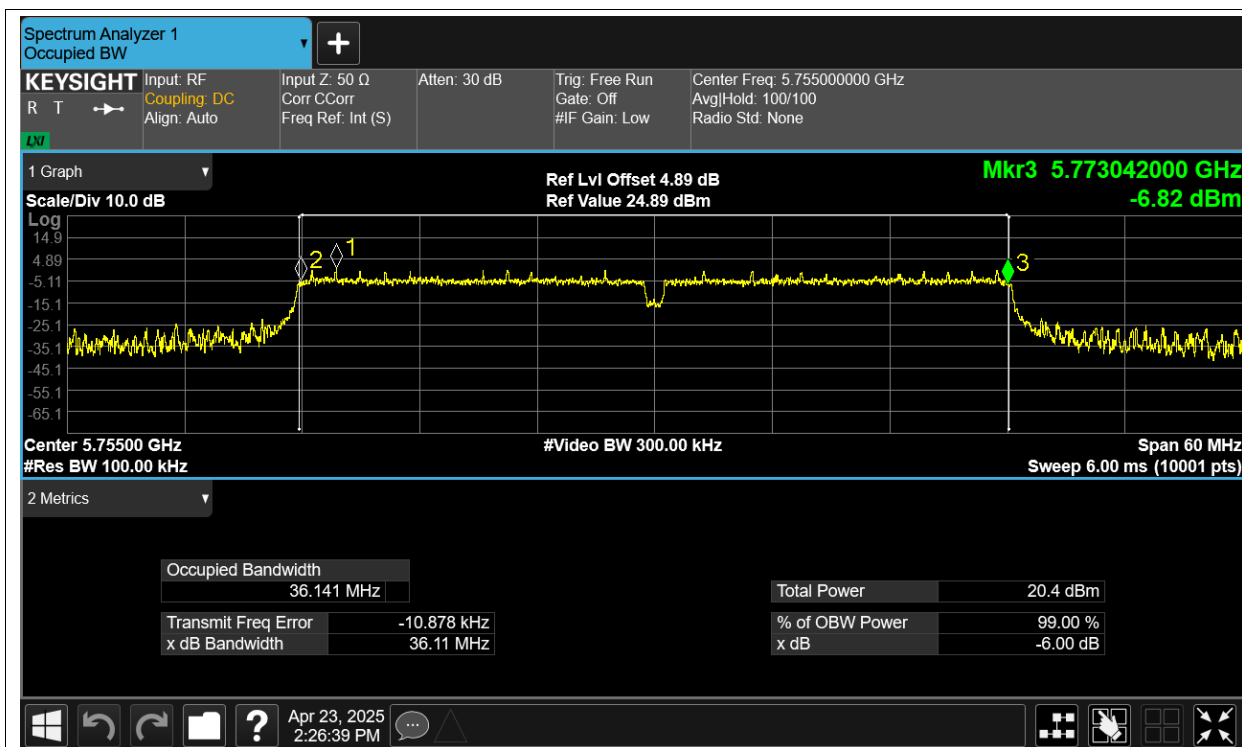
-6dB Bandwidth NVNT n20 5785MHz Ant1



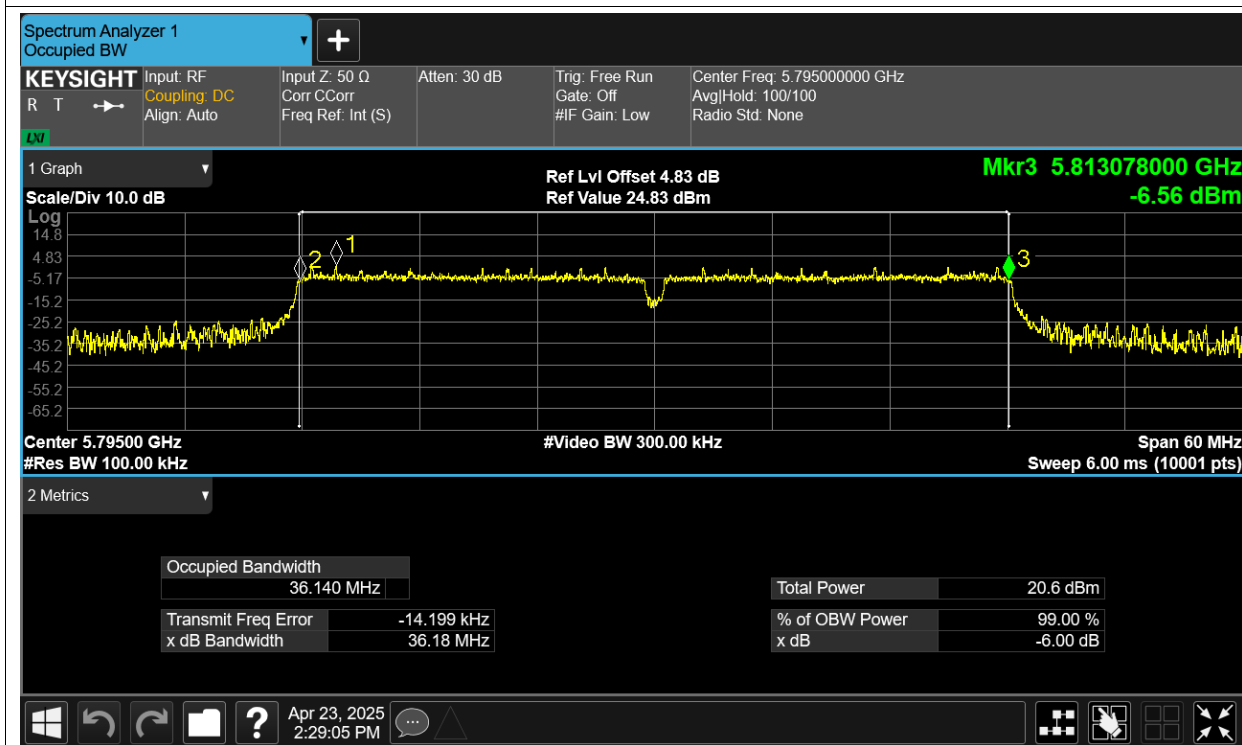
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

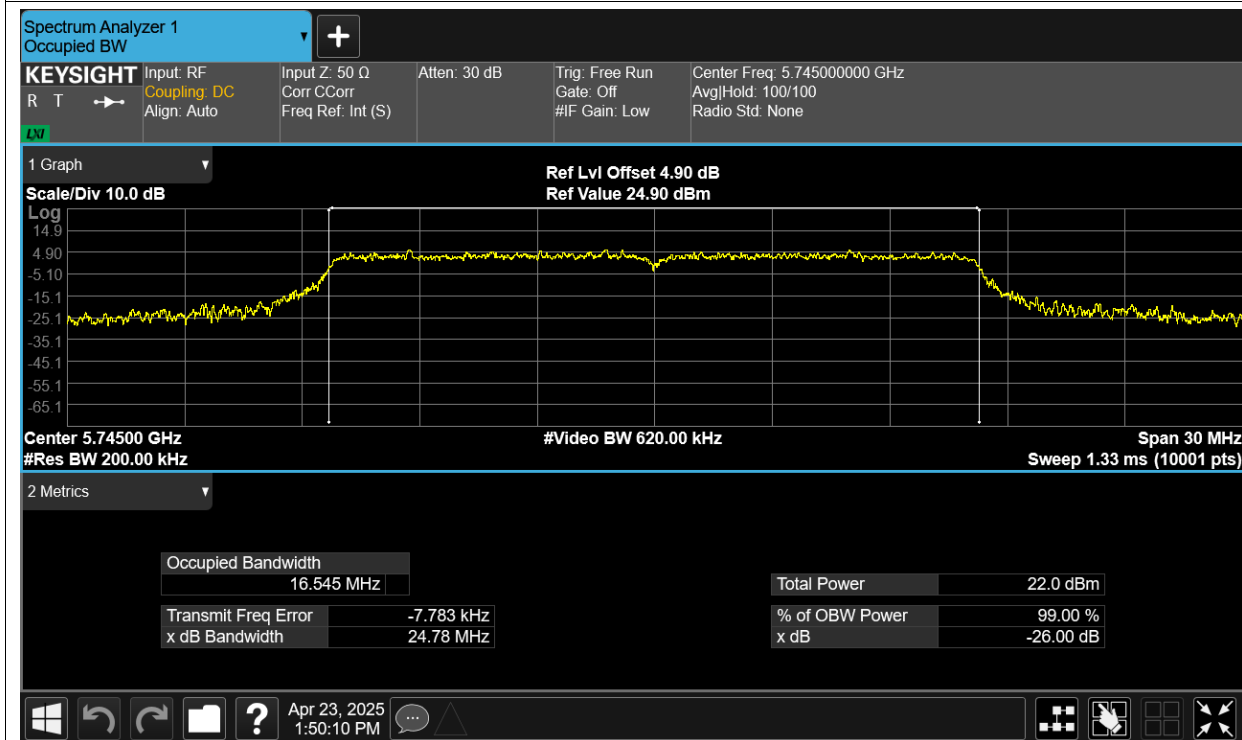


Occupied Channel Bandwidth

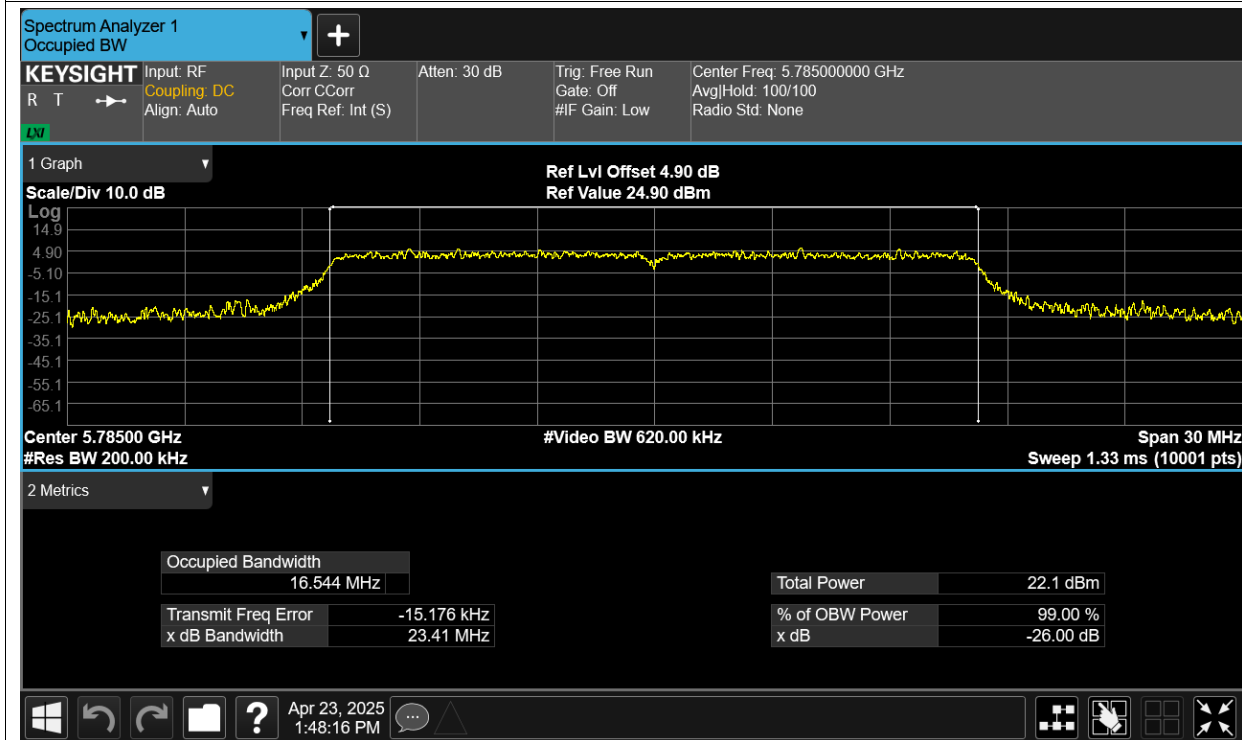
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.545
NVNT	a	5785	Ant1	16.544
NVNT	a	5825	Ant1	16.568
NVNT	ac20	5745	Ant1	17.639
NVNT	ac20	5785	Ant1	17.617
NVNT	ac20	5825	Ant1	17.621
NVNT	ac40	5755	Ant1	36.253
NVNT	ac40	5795	Ant1	36.304
NVNT	ac80	5775	Ant1	75.391
NVNT	n20	5745	Ant1	17.667
NVNT	n20	5785	Ant1	17.667
NVNT	n20	5825	Ant1	17.629
NVNT	n40	5755	Ant1	36.301
NVNT	n40	5795	Ant1	36.304

Test Graphs

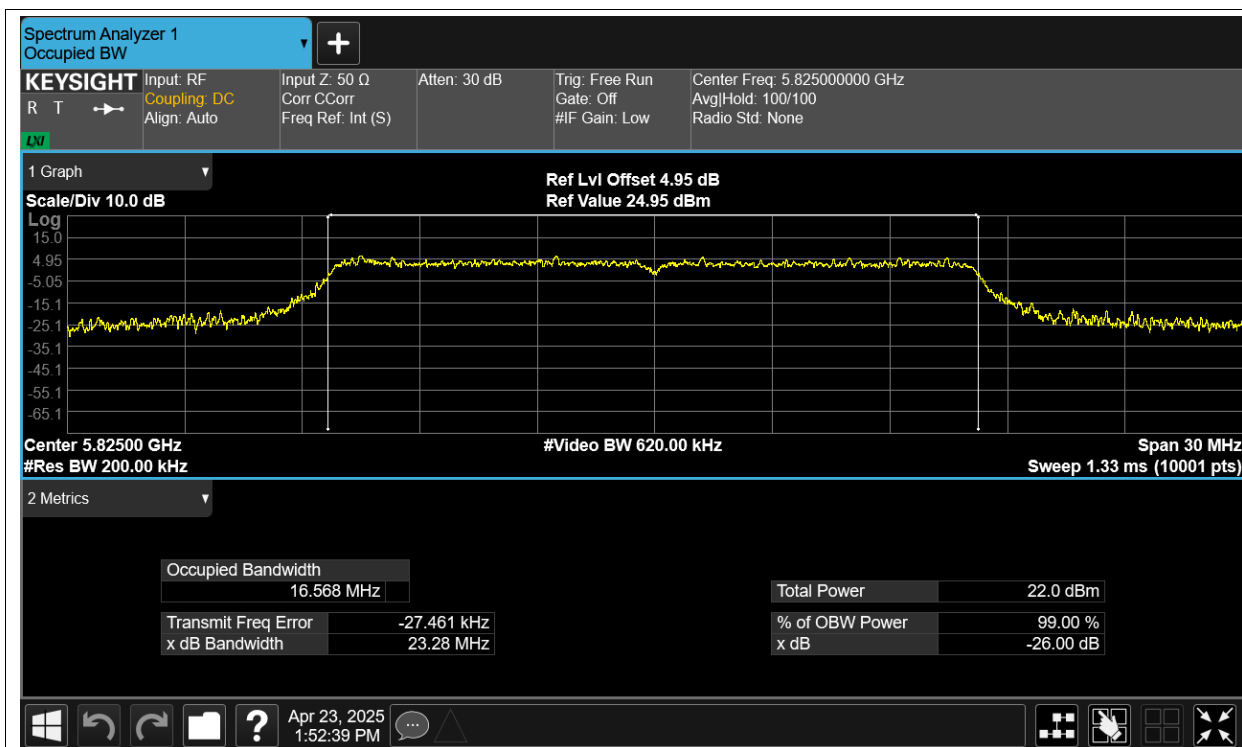
OBW NVNT a 5745MHz Ant1



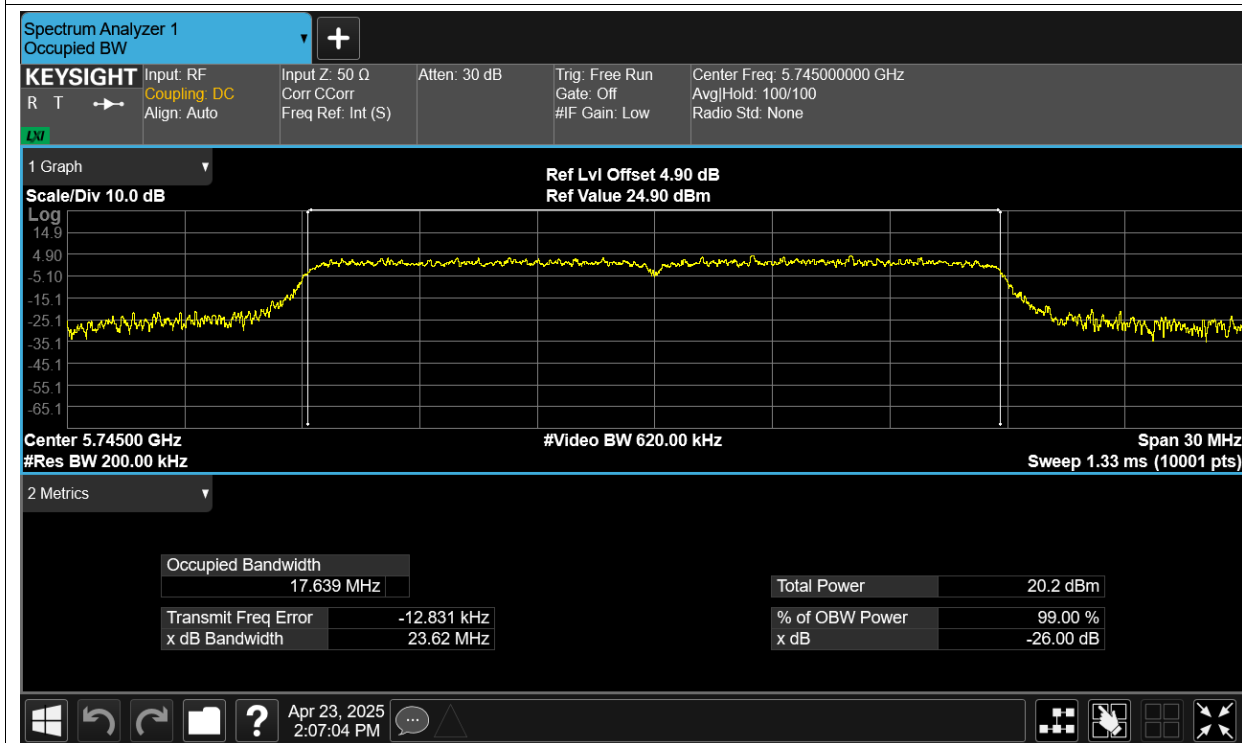
OBW NVNT a 5785MHz Ant1



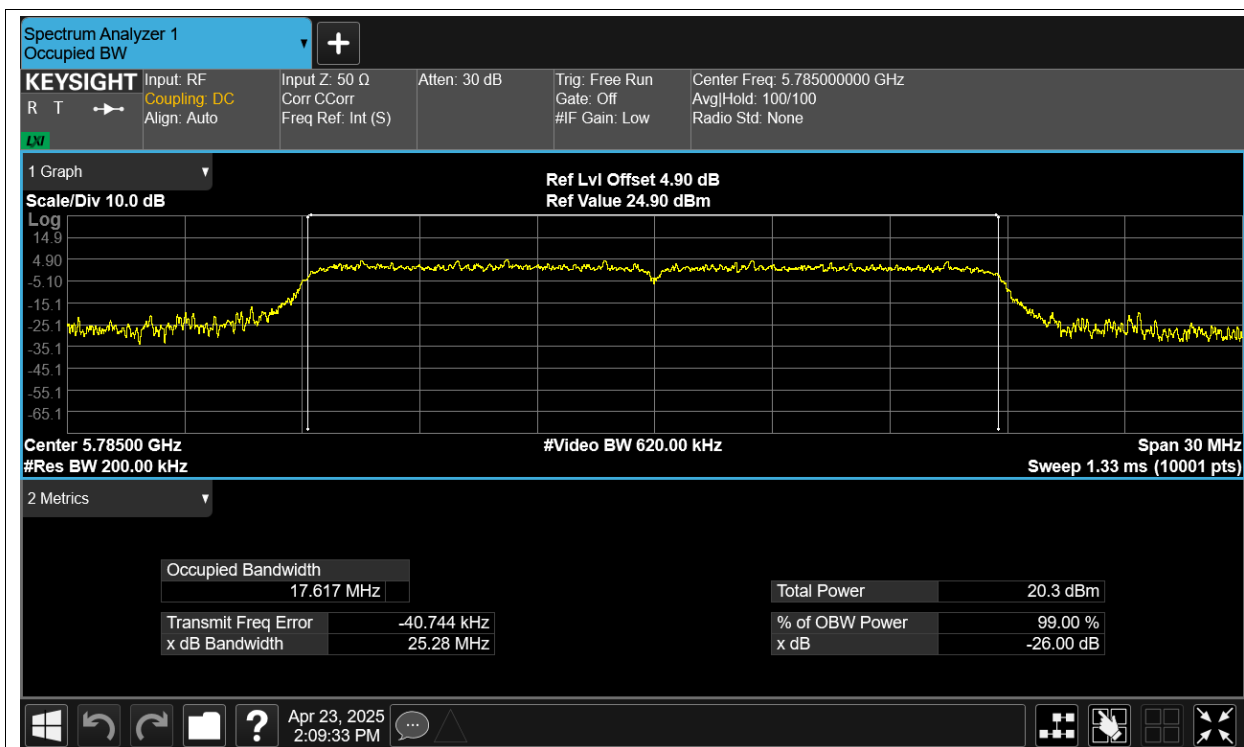
OBW NVNT a 5825MHz Ant1



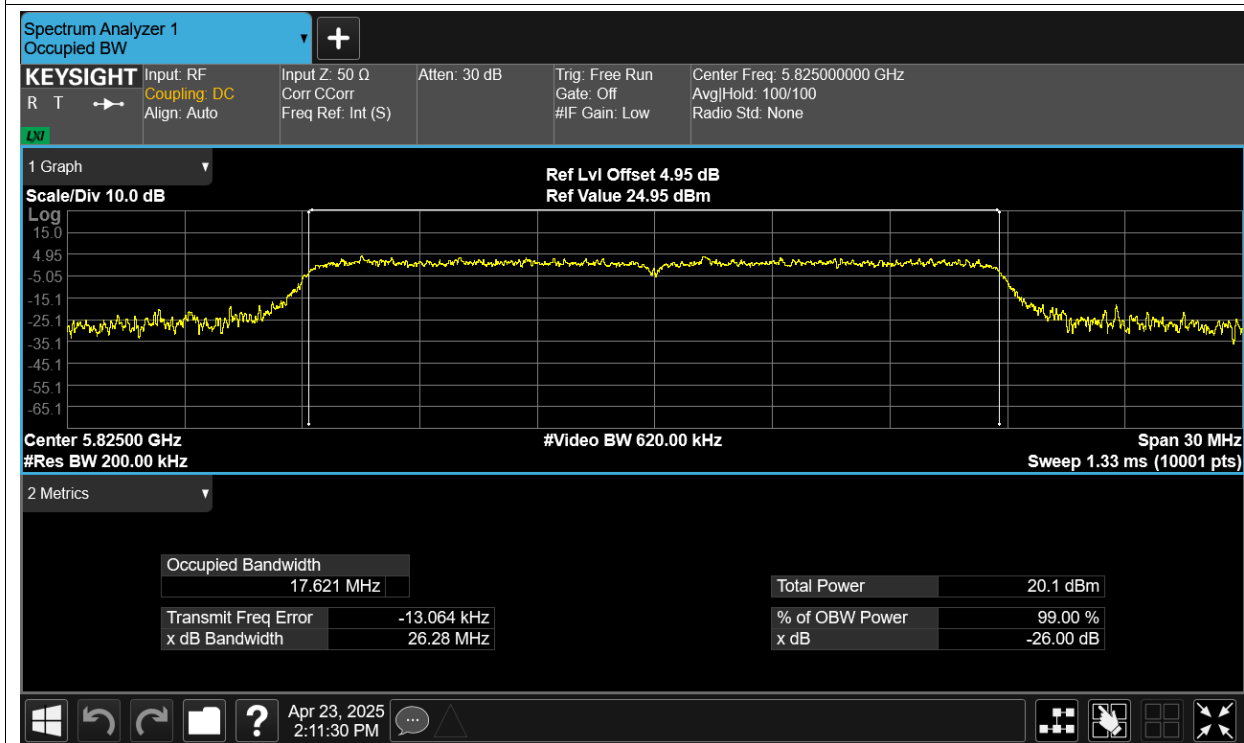
OBW NVNT ac20 5745MHz Ant1



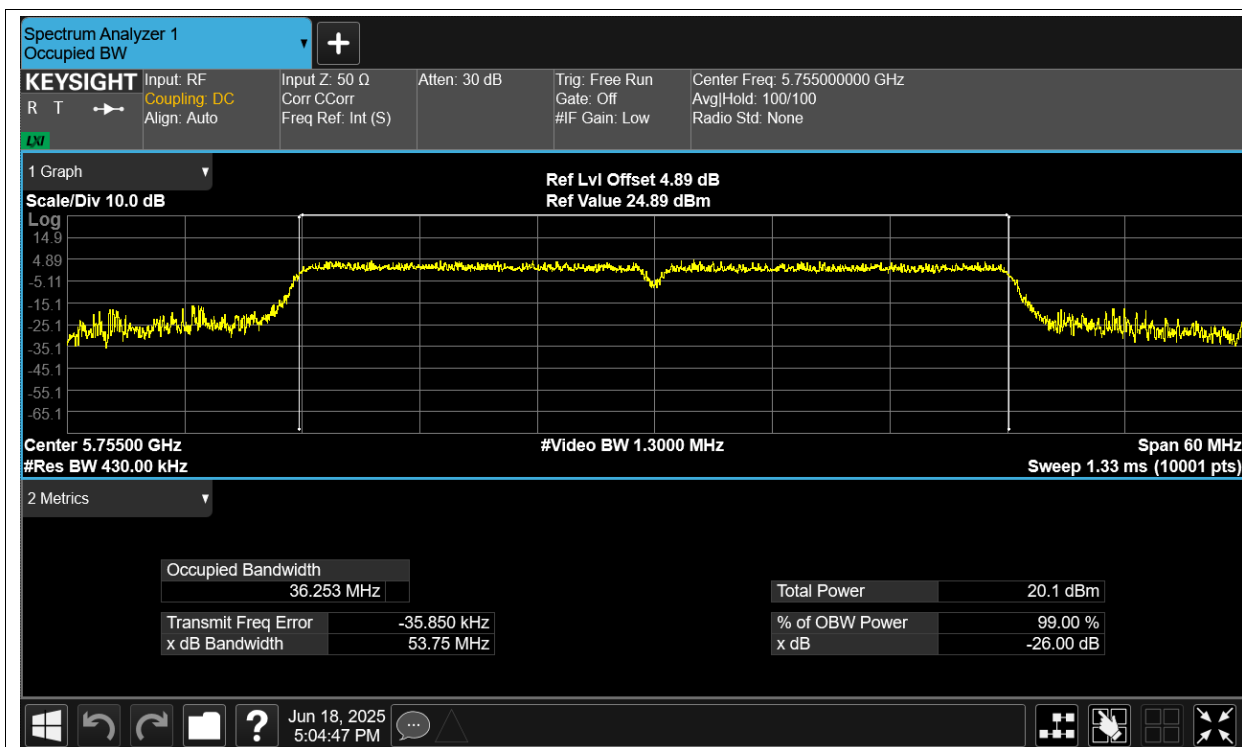
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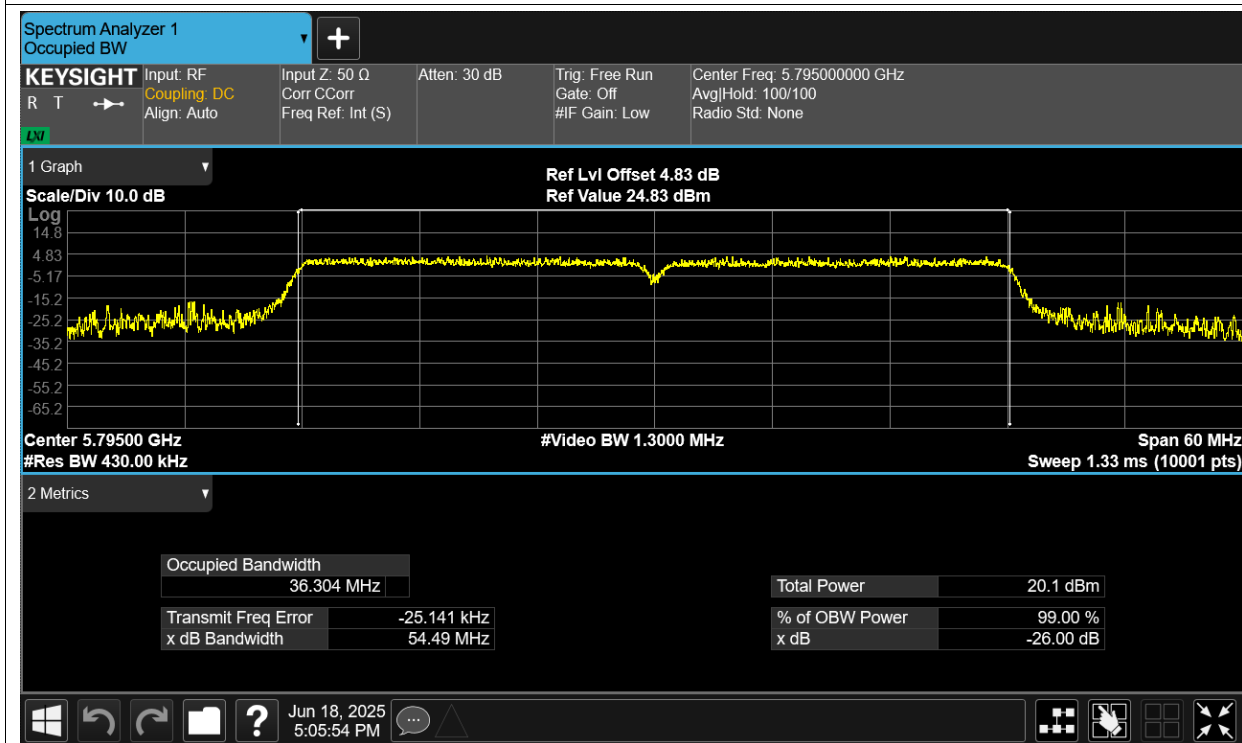
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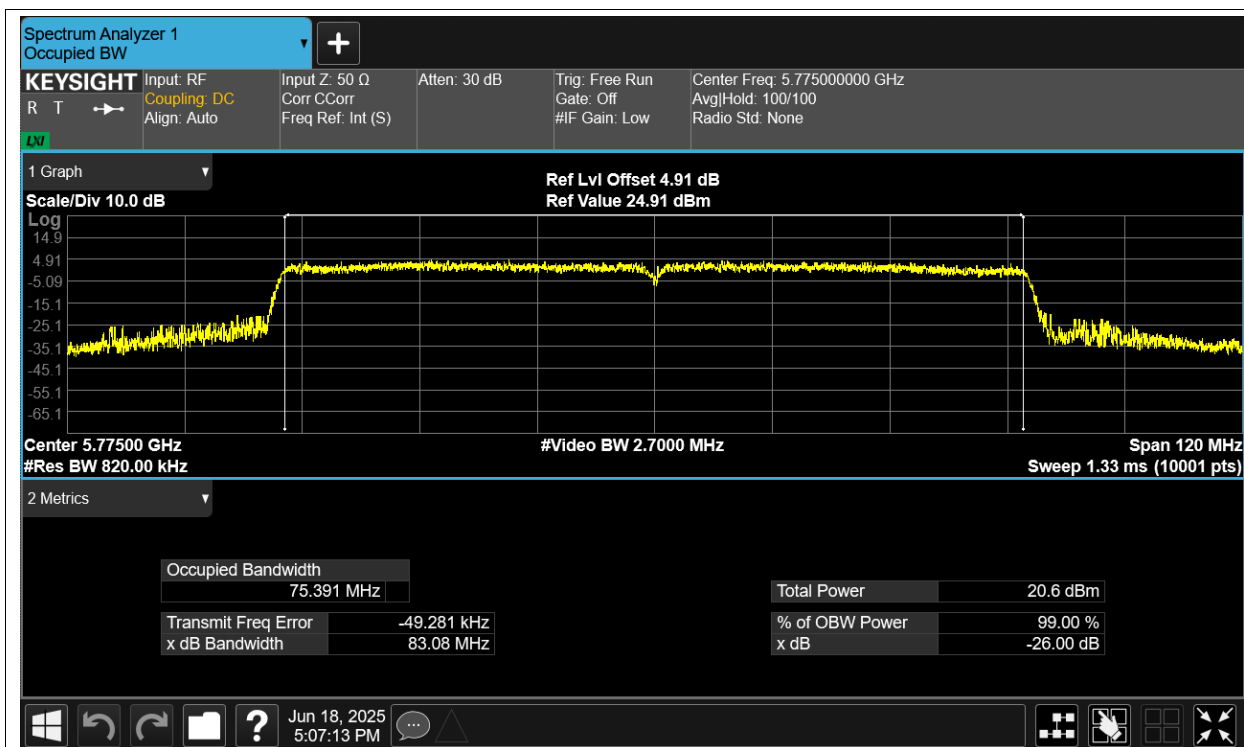
OBW NVNT ac40 5755MHz Ant1



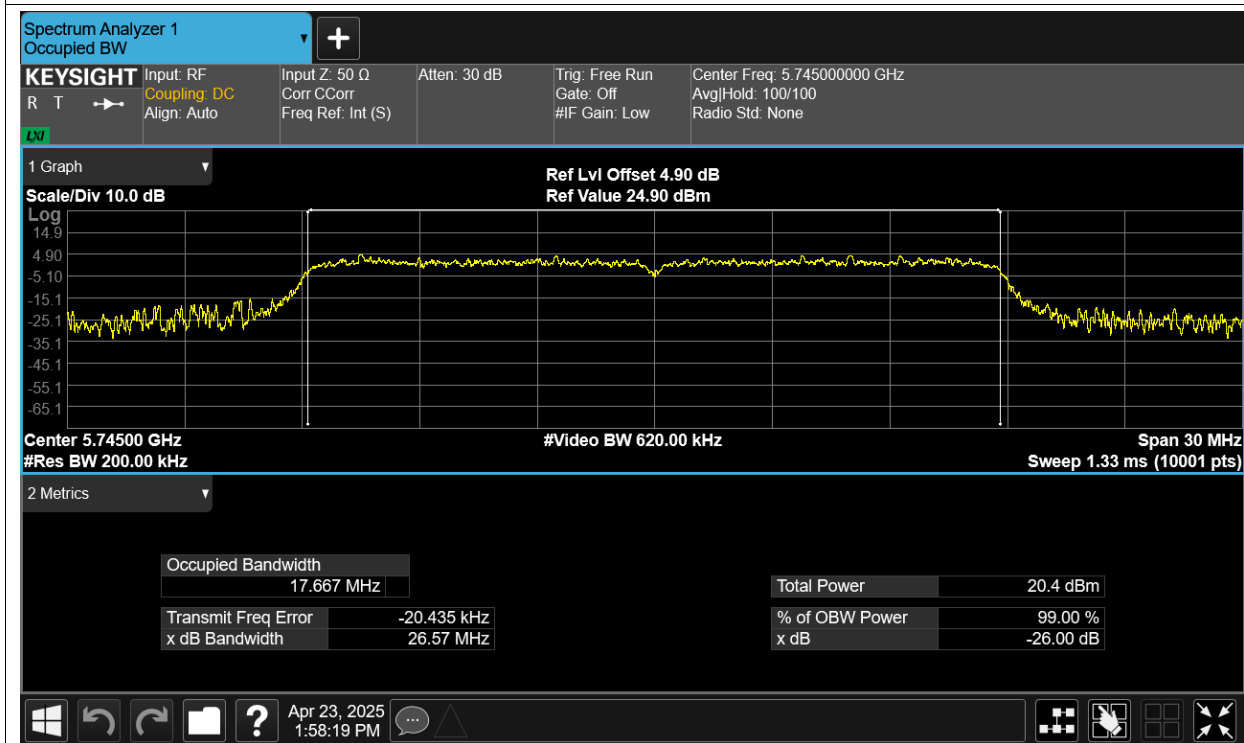
OBW NVNT ac40 5795MHz Ant1



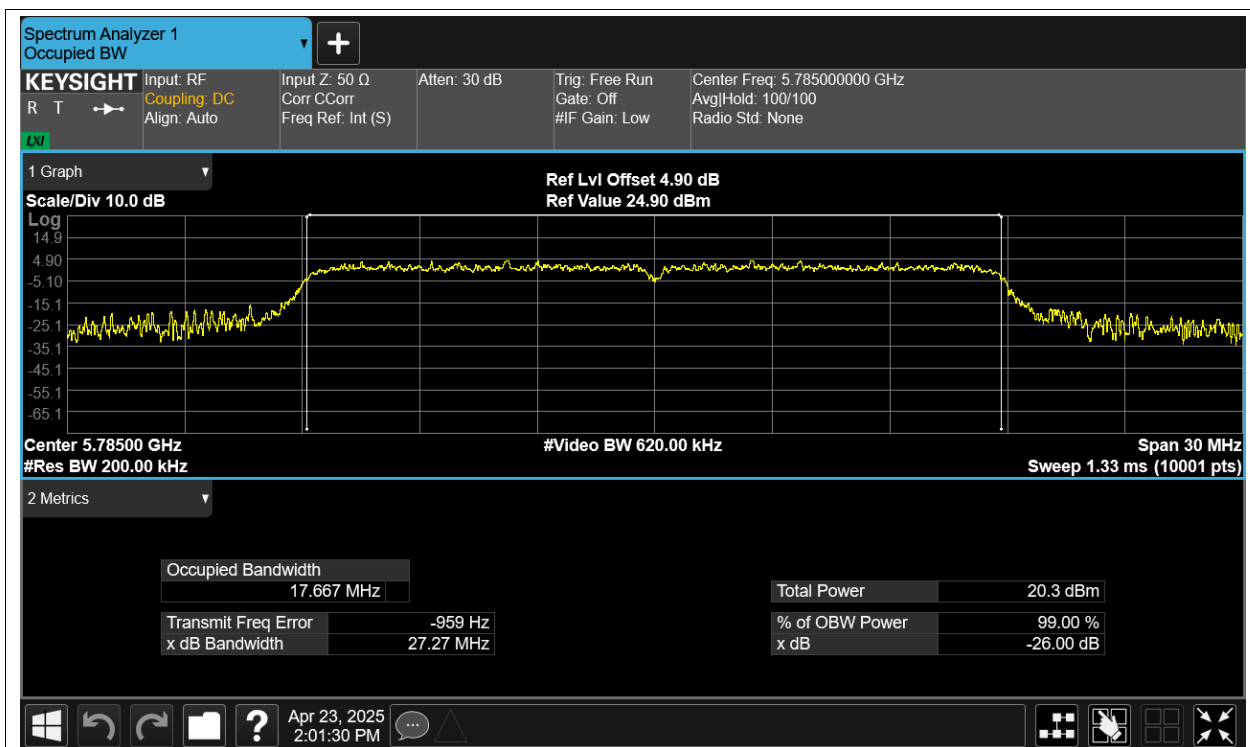
OBW NVNT ac80 5775MHz Ant1



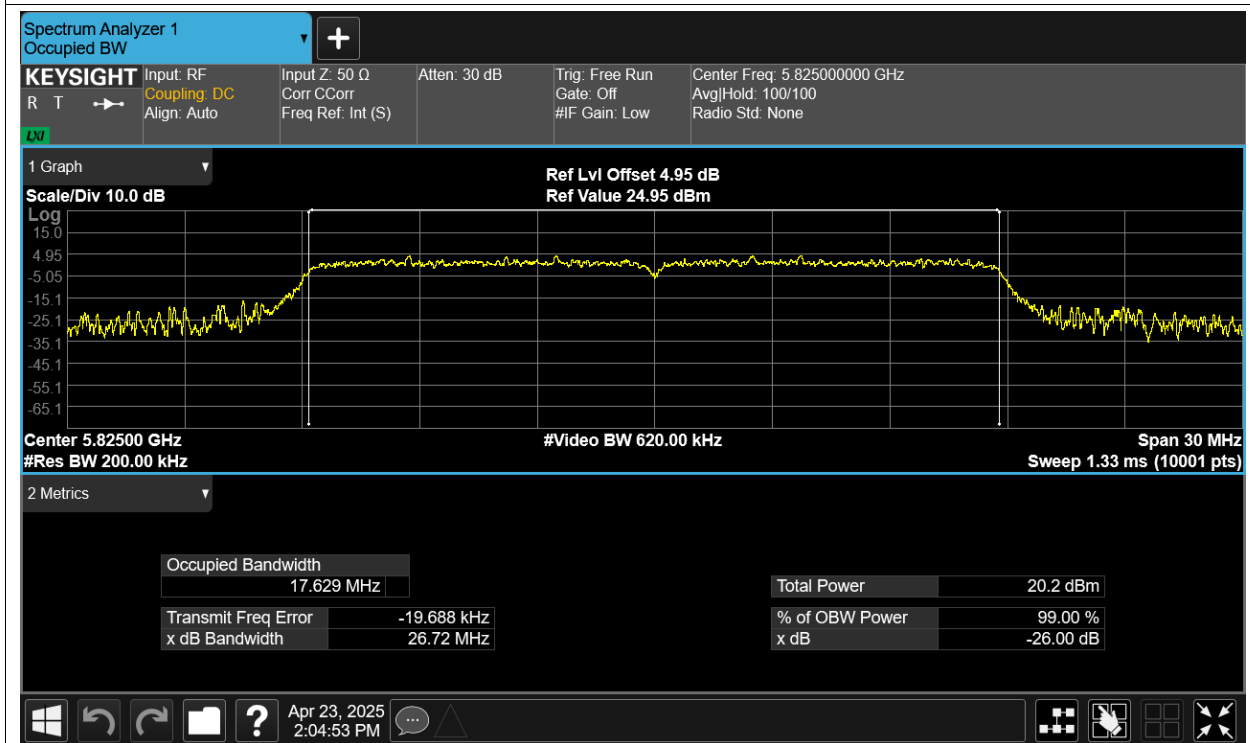
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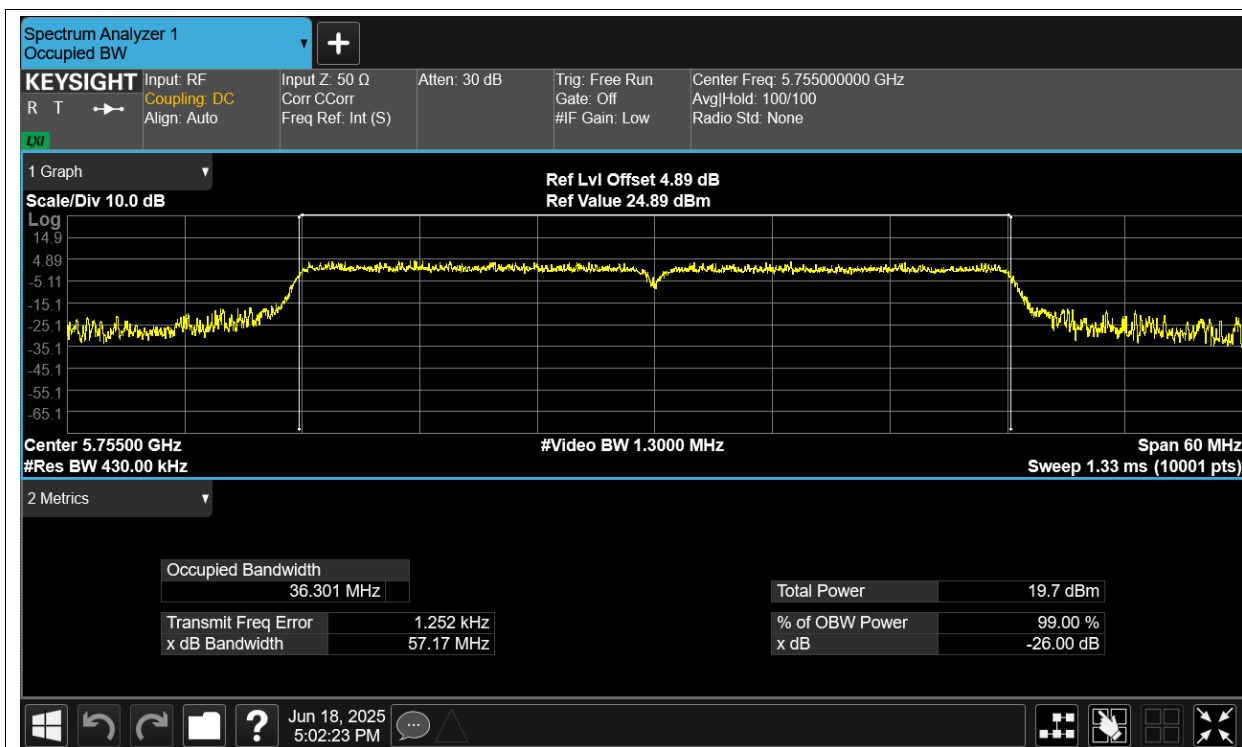
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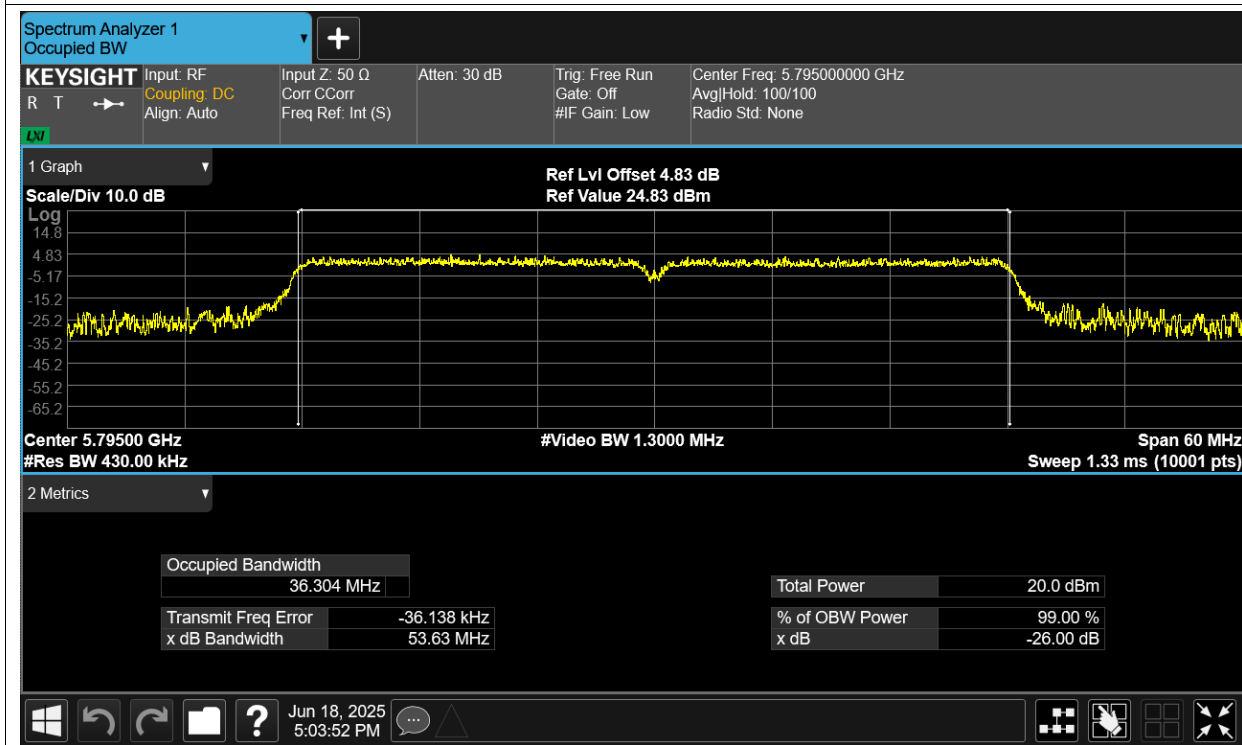
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1



Maximum Power Spectral Density Level

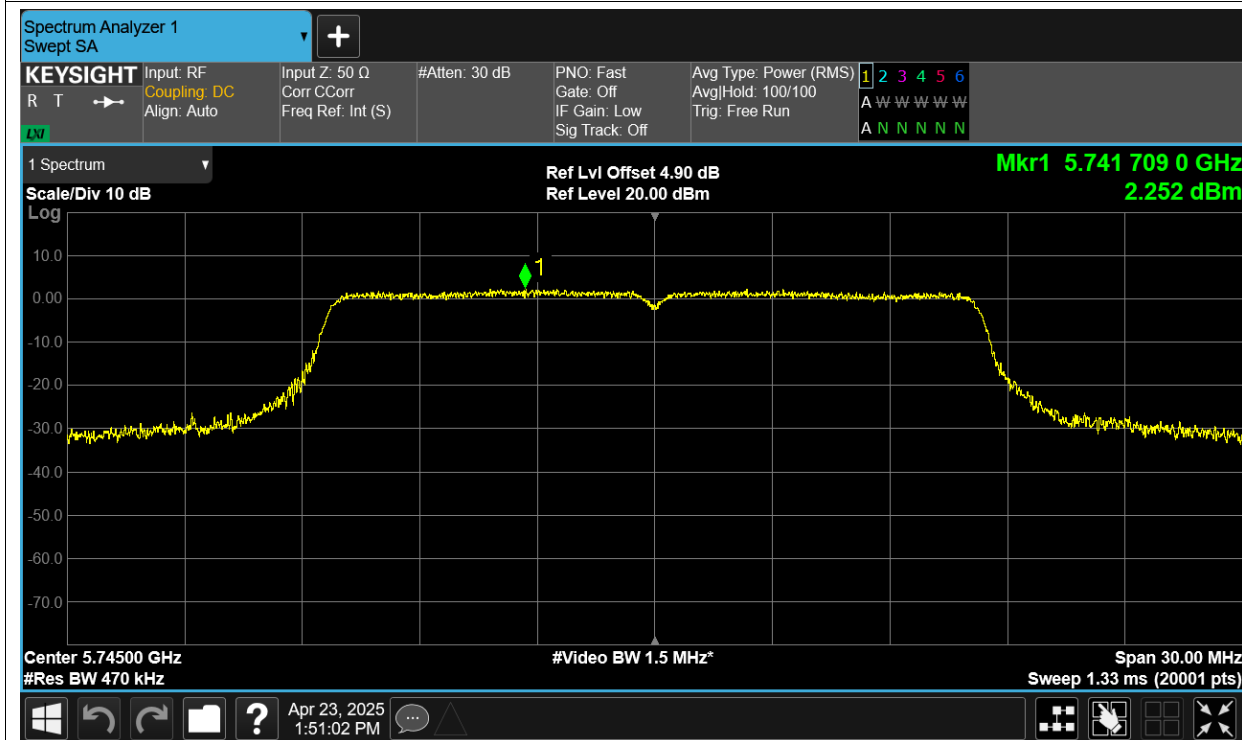
Condition	Mode	Frequency (MHz)	Antenna	RBW (MHz)	Measured Factor (dB)	Duty Factor (dB)	Max PSD (dBm /470KHz)	Total PSD (dBm /500KHz)	Limit (dBm /500KHz)	Verdict
NVNT	a	5745	Ant1	470	0.27	0.42	2.252	2.942	30	Pass
NVNT	a	5785	Ant1	470	0.27	0.42	2.55	3.24	30	Pass
NVNT	a	5825	Ant1	470	0.27	0.42	2.207	2.897	30	Pass
NVNT	ac20	5745	Ant1	470	0.27	0.49	0.208	0.968	30	Pass
NVNT	ac20	5785	Ant1	470	0.27	0.5	0.124	0.894	30	Pass
NVNT	ac20	5825	Ant1	470	0.27	0.49	-0.09	0.67	30	Pass
NVNT	ac40	5755	Ant1	470	0.27	0.94	-3.058	-1.848	30	Pass
NVNT	ac40	5795	Ant1	470	0.27	0.94	-3.241	-2.031	30	Pass
NVNT	ac80	5775	Ant1	470	0.27	1.65	-7.429	-5.509	30	Pass
NVNT	n20	5745	Ant1	470	0.27	0.49	0.173	0.933	30	Pass
NVNT	n20	5785	Ant1	470	0.27	0.5	0.243	1.013	30	Pass
NVNT	n20	5825	Ant1	470	0.27	0.5	-0.063	0.707	30	Pass
NVNT	n40	5755	Ant1	470	0.27	0.94	-3.125	-1.915	30	Pass
NVNT	n40	5795	Ant1	470	0.27	0.95	-2.948	-1.728	30	Pass

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

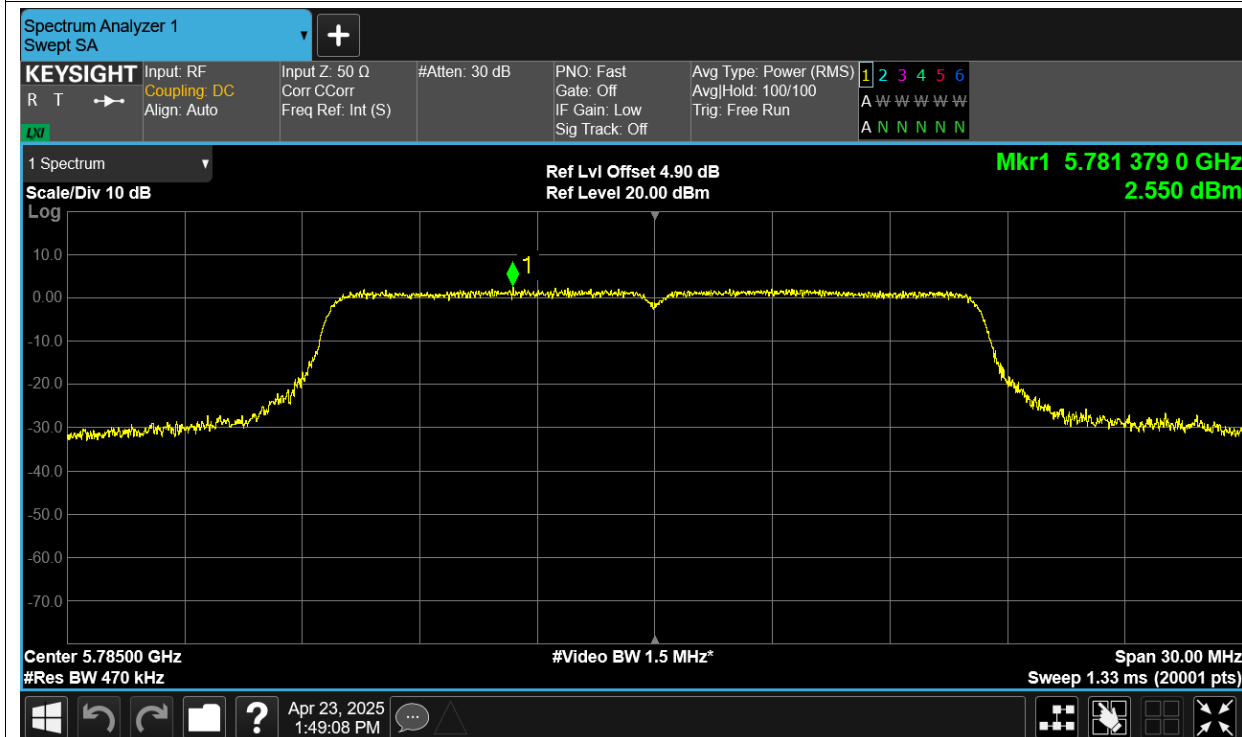
Measured Factor= 10 log (MBW/RBW), MBW=500 KHz.

Test Graphs

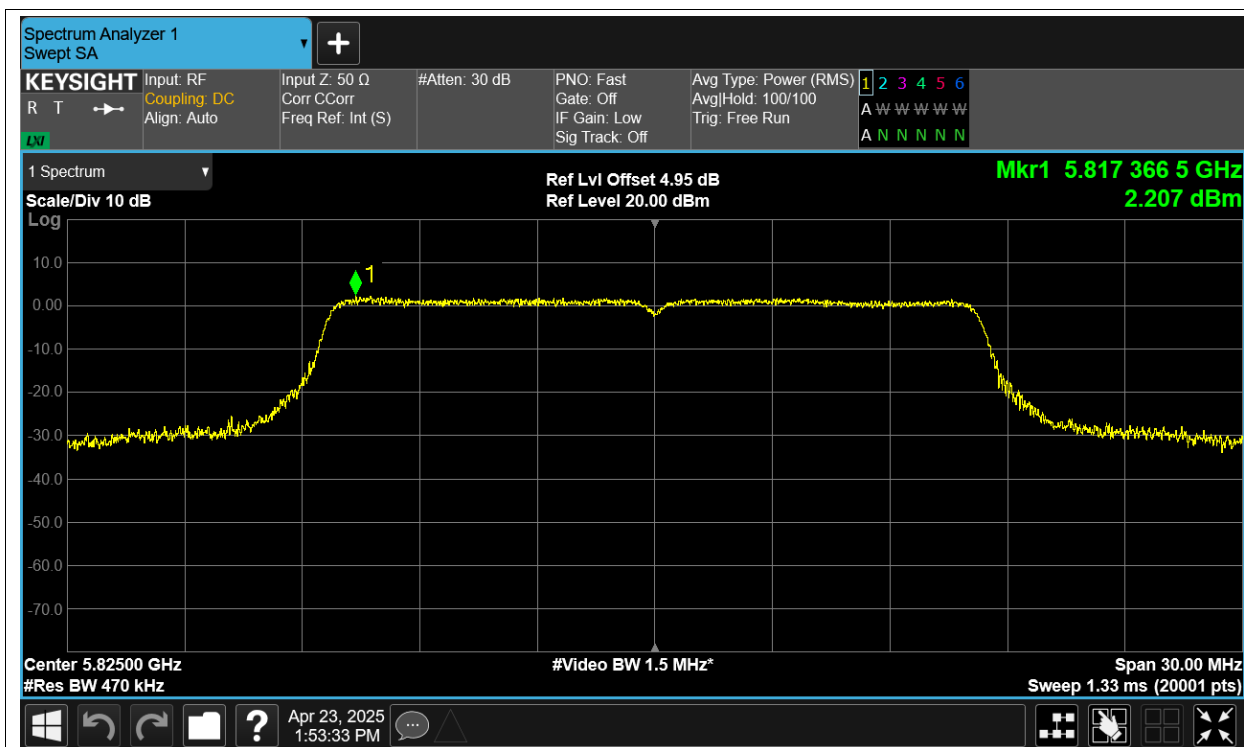
PSD NVNT a 5745MHz Ant1



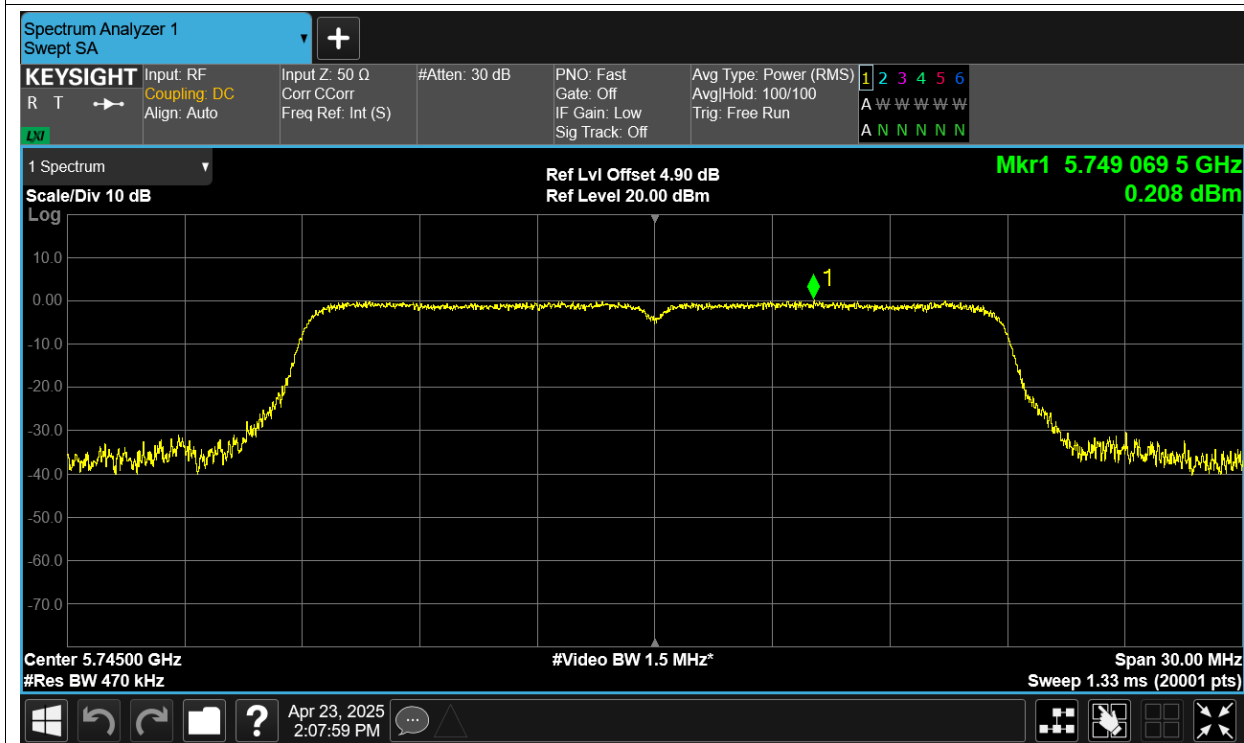
PSD NVNT a 5785MHz Ant1



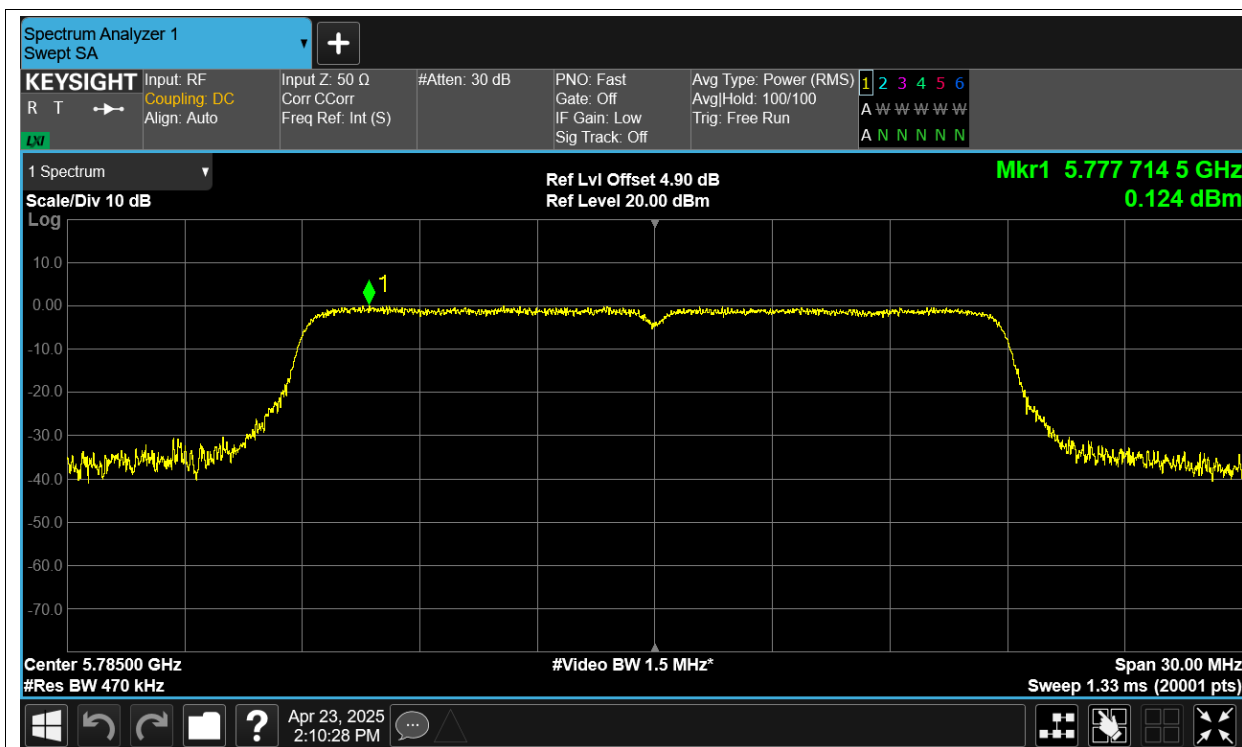
PSD NVNT a 5825MHz Ant1



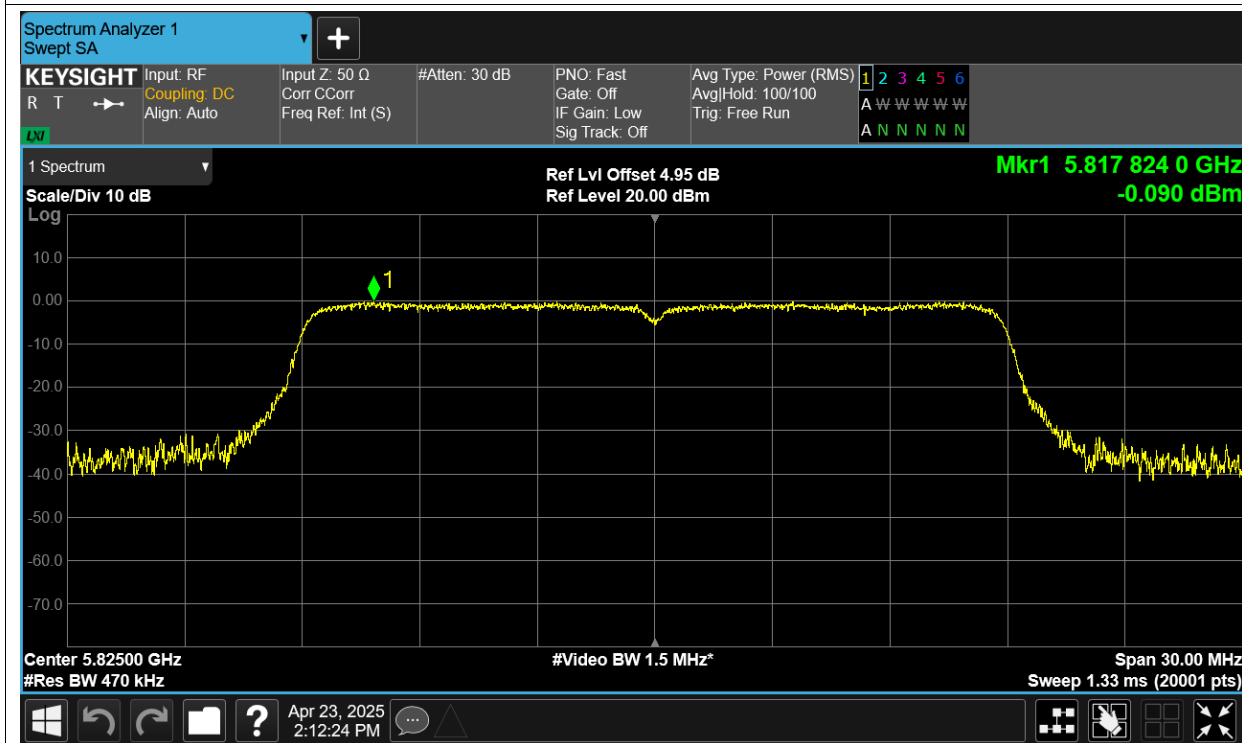
PSD NVNT ac20 5745MHz Ant1



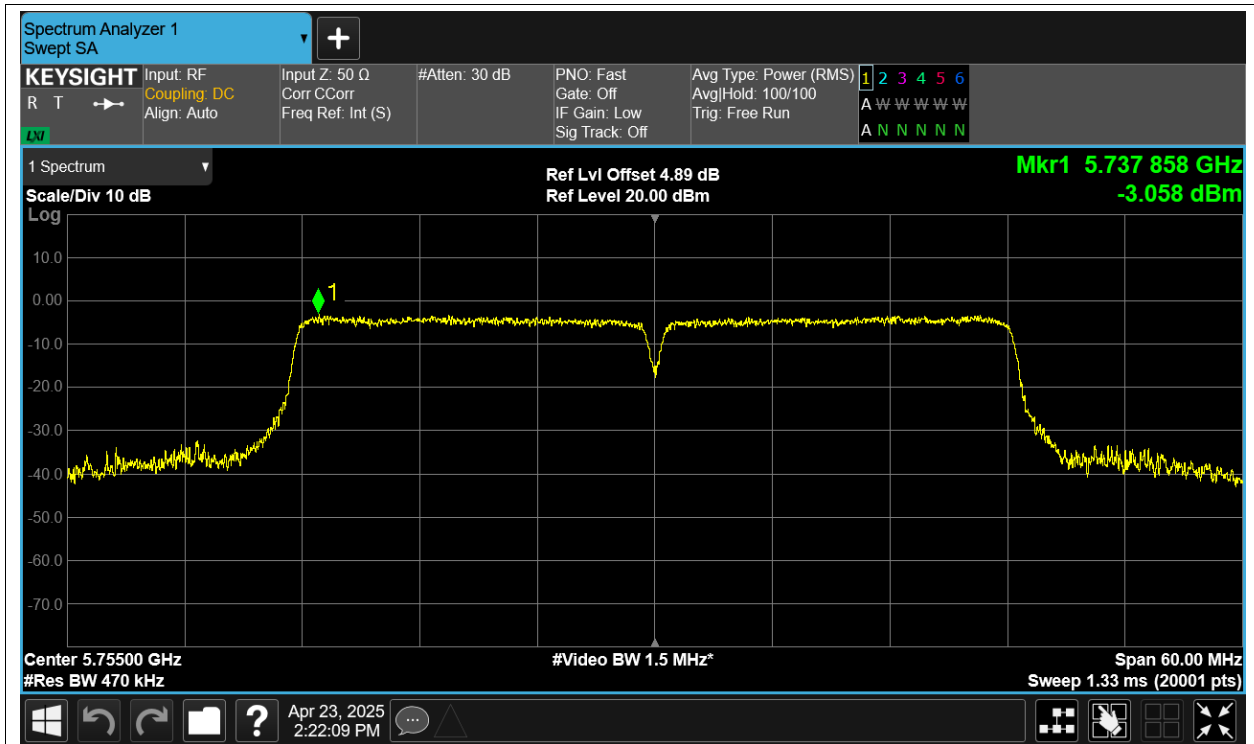
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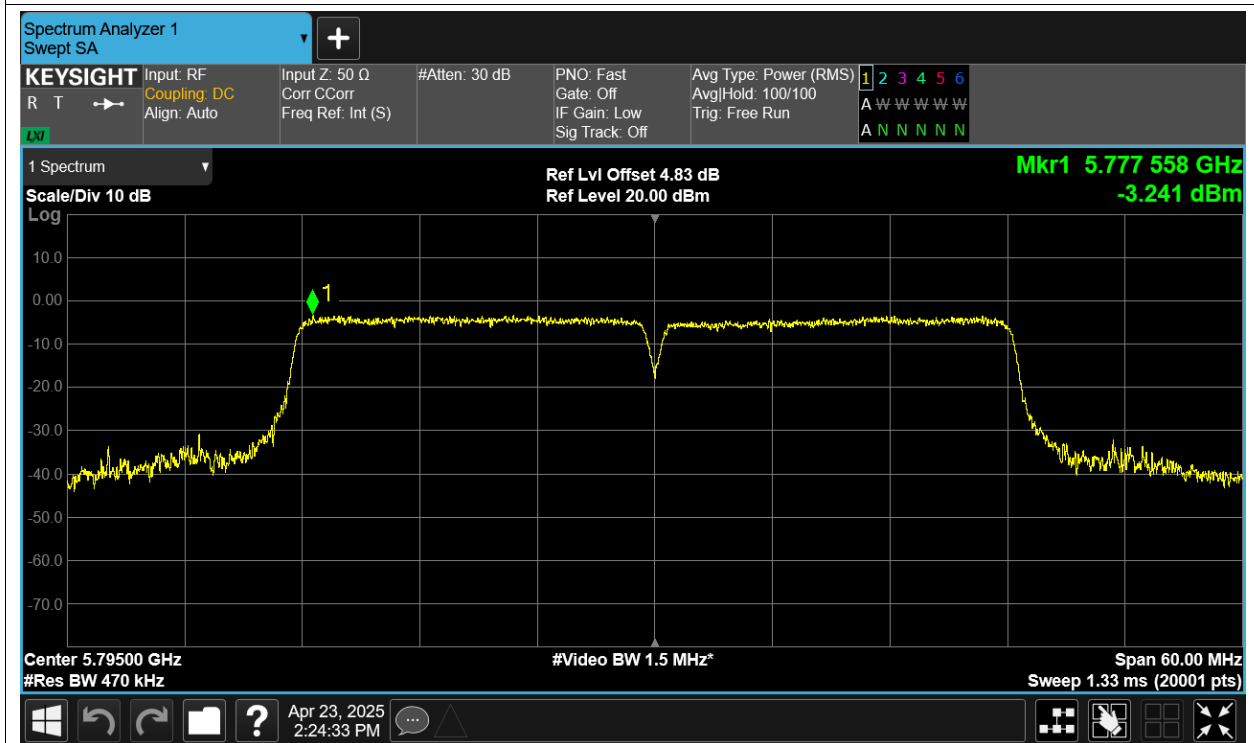
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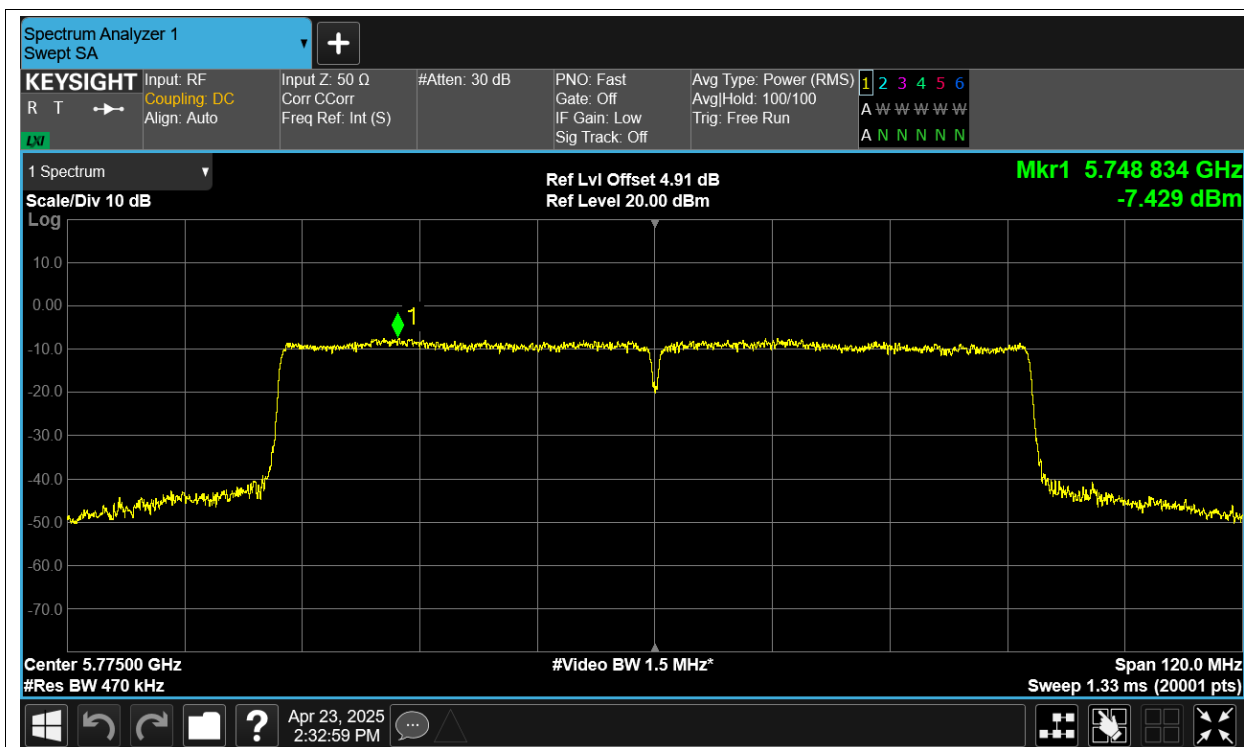
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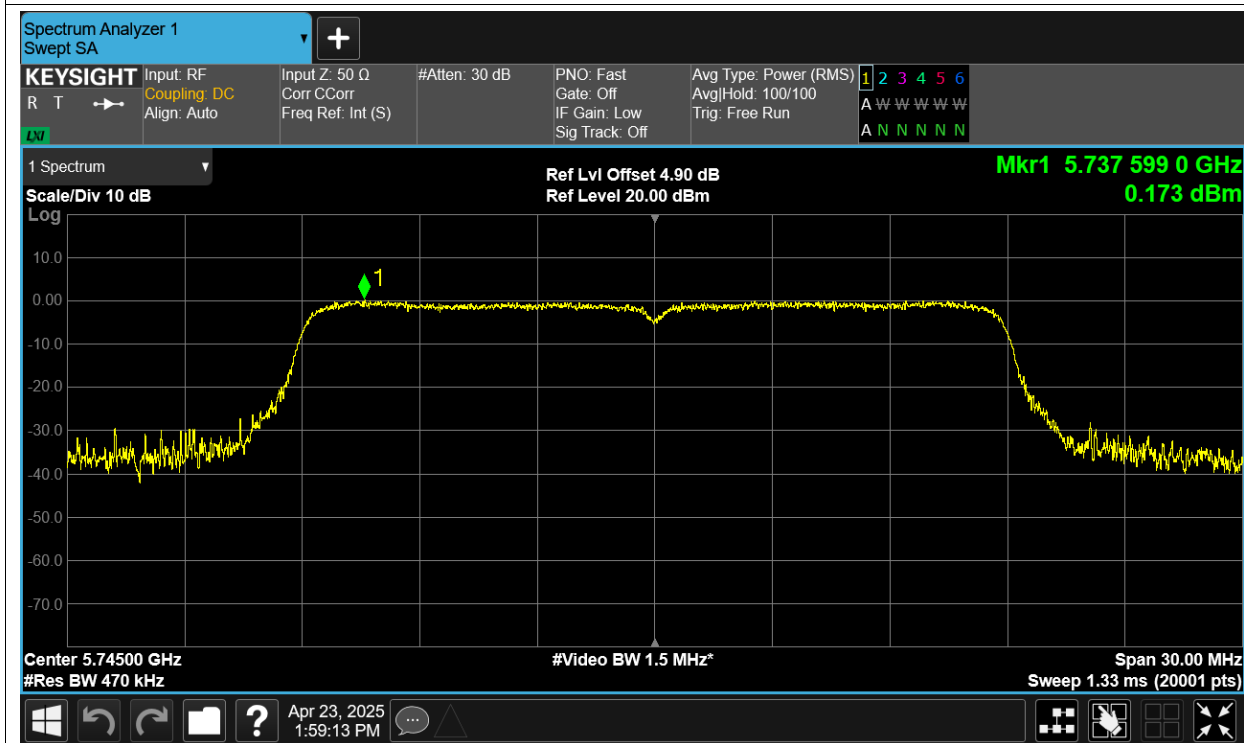
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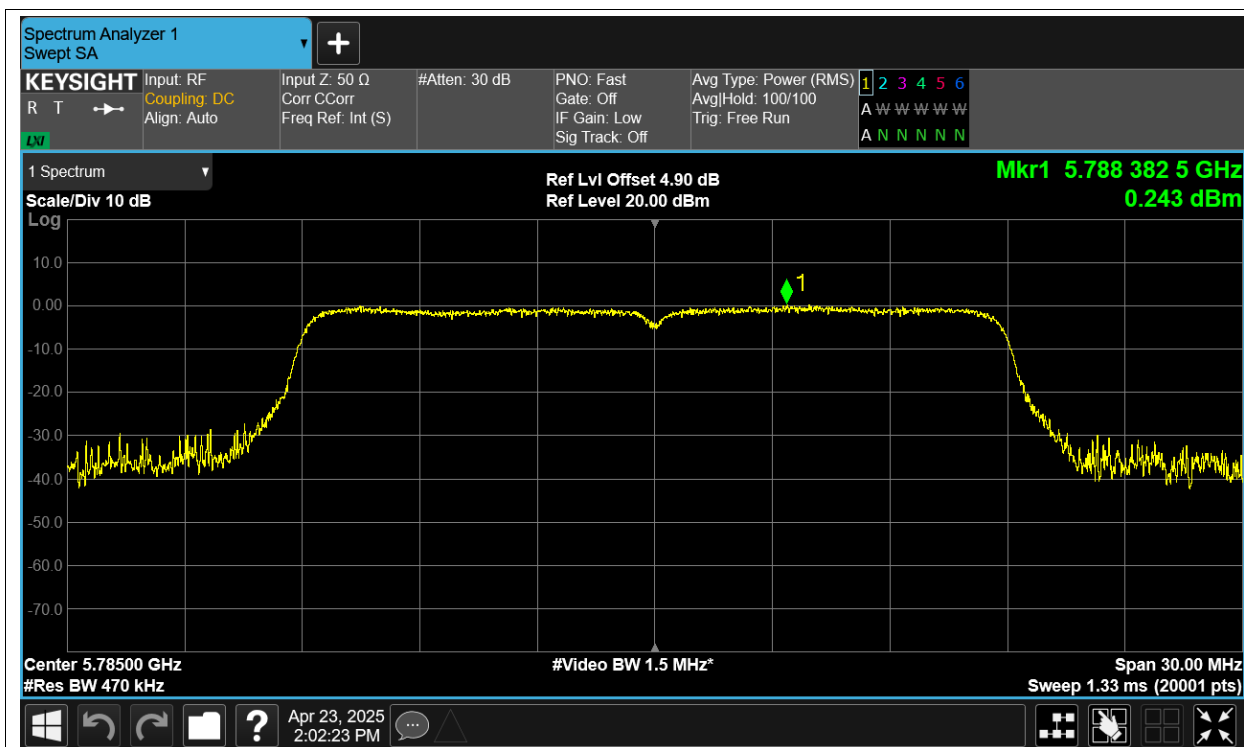
PSD NVNT ac80 5775MHz Ant1



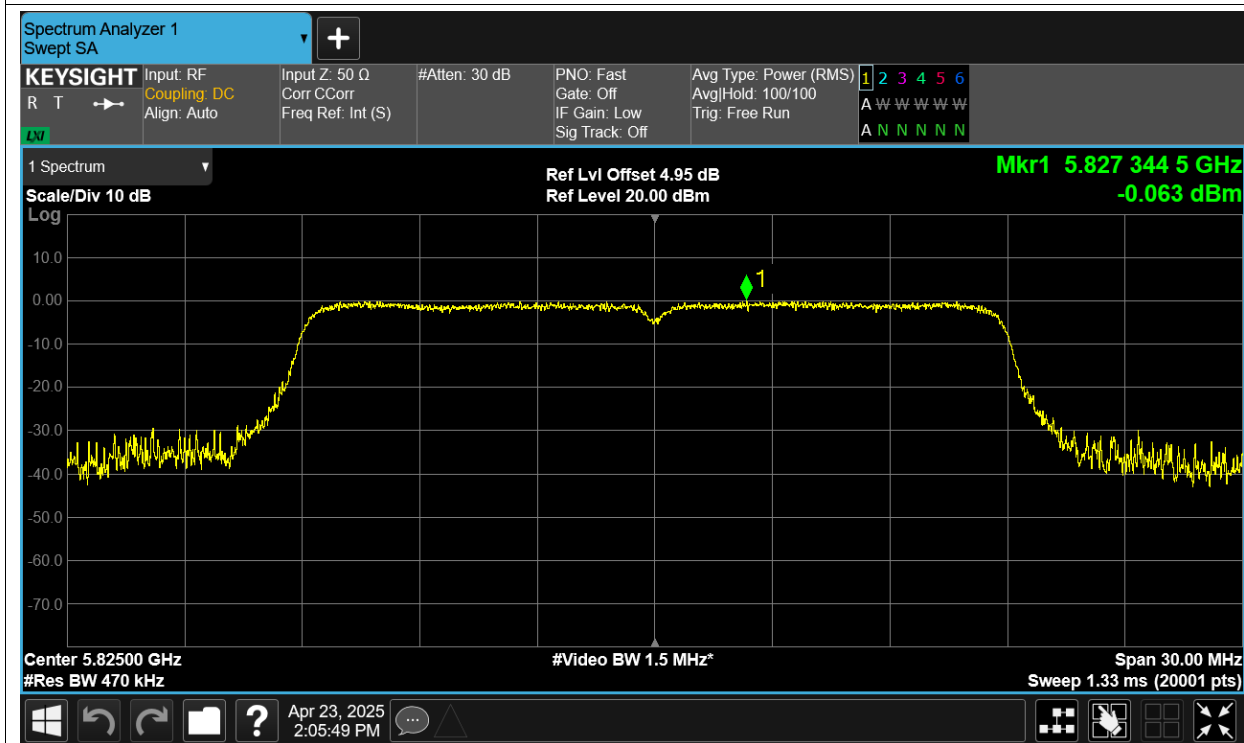
PSD NVNT n20 5745MHz Ant1



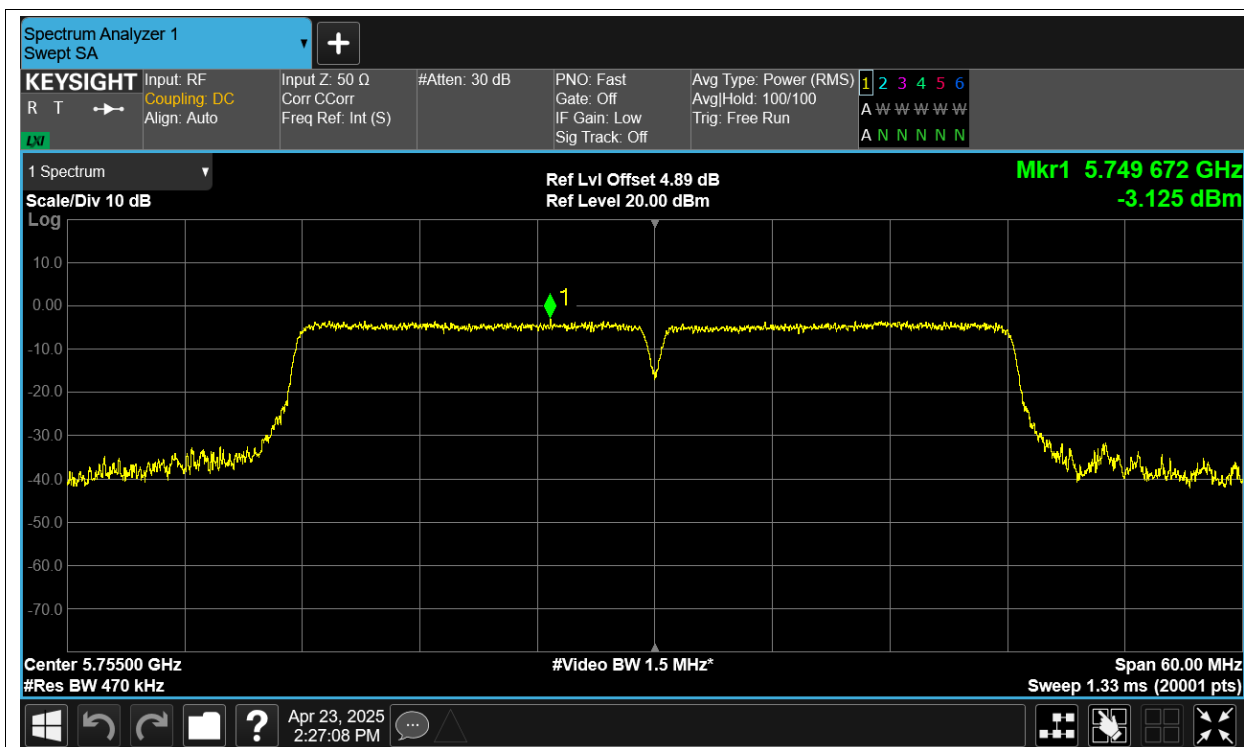
PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

