

Test Data

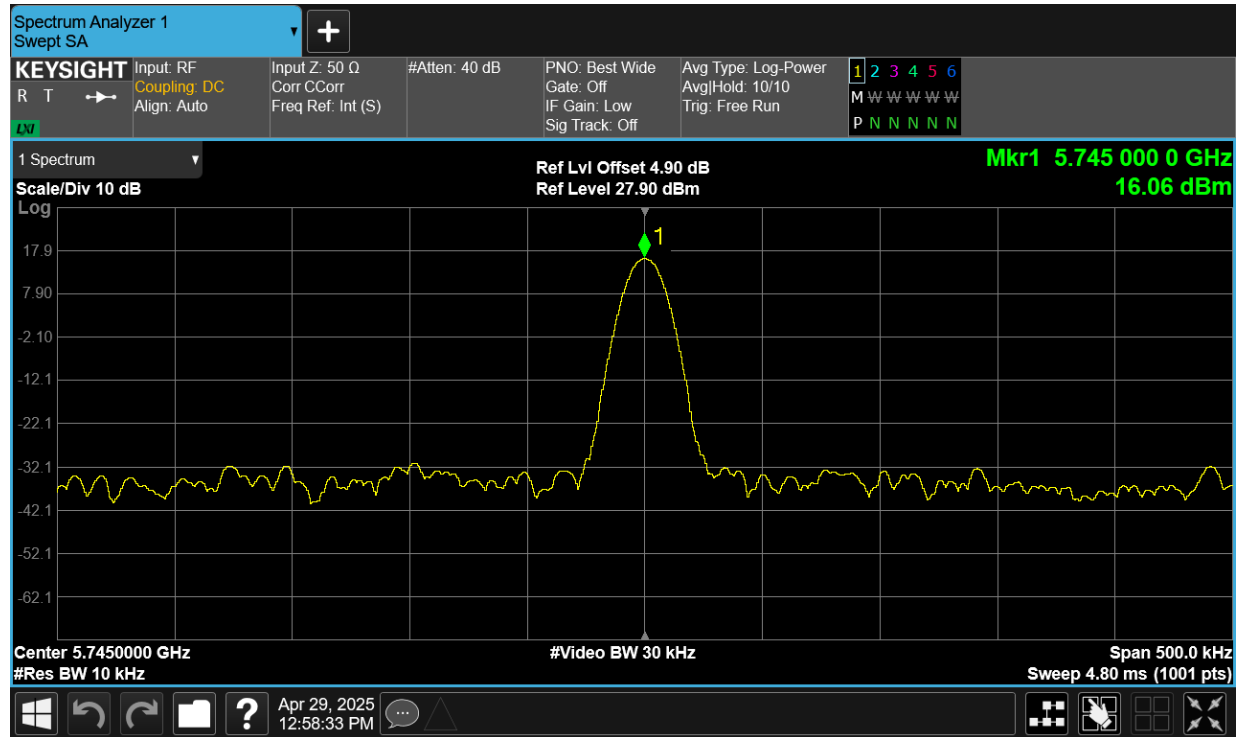
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5745	Ant1	5745	0	Within authorized band	Pass
LVNT	a	5745	Ant1	5745.0005	0.09		Pass
NVHT	a	5745	Ant1	5745.0005	0.09		Pass
NVLT	a	5745	Ant1	5745	0		Pass
NVNT	a	5745	Ant1	5745	0		Pass
HVNT	ac80	5775	Ant1	5775.0005	0.09		Pass
LVNT	ac80	5775	Ant1	5775.0005	0.09		Pass
NVHT	ac80	5775	Ant1	5775.0005	0.09		Pass
NVLT	ac80	5775	Ant1	5775.0005	0.09		Pass
NVNT	ac80	5775	Ant1	5775	0		Pass
HVNT	n40	5755	Ant1	5755.0005	0.09		Pass
LVNT	n40	5755	Ant1	5755.0005	0.09		Pass
NVHT	n40	5755	Ant1	5755.0005	0.09		Pass
NVLT	n40	5755	Ant1	5755.0005	0.09		Pass
NVNT	n40	5755	Ant1	5755.0005	0.09		Pass

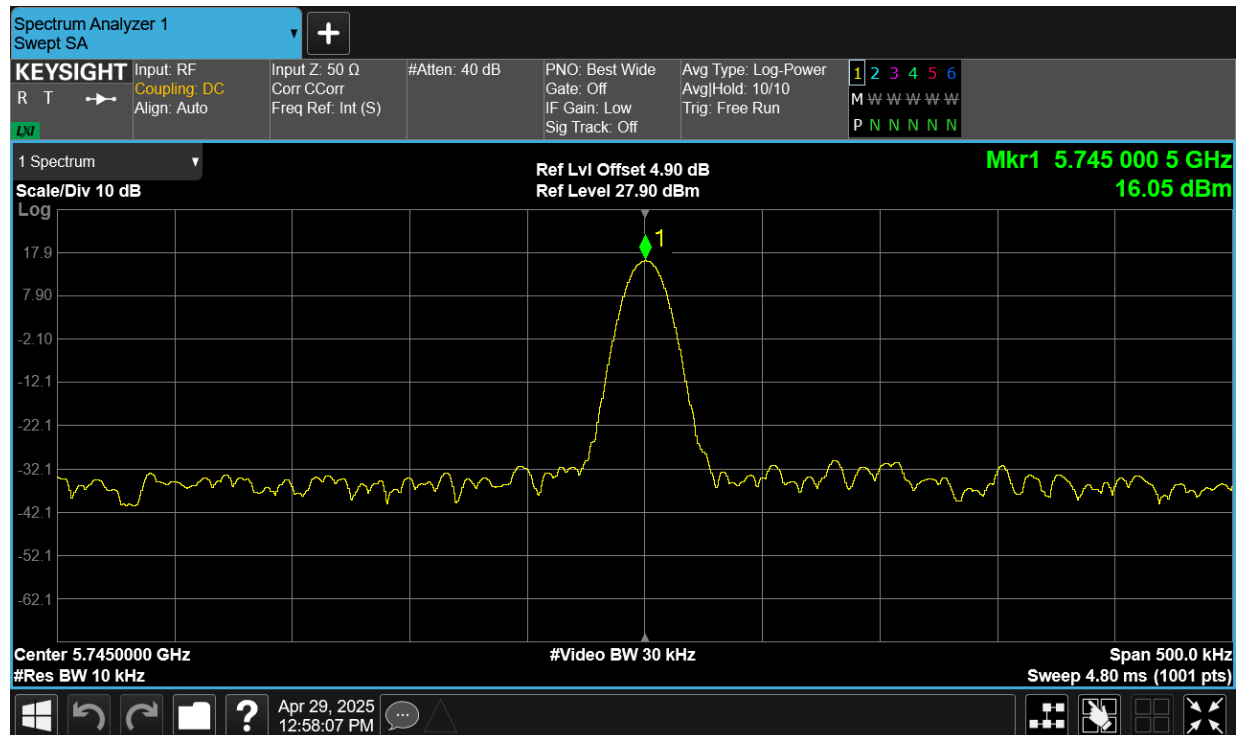
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

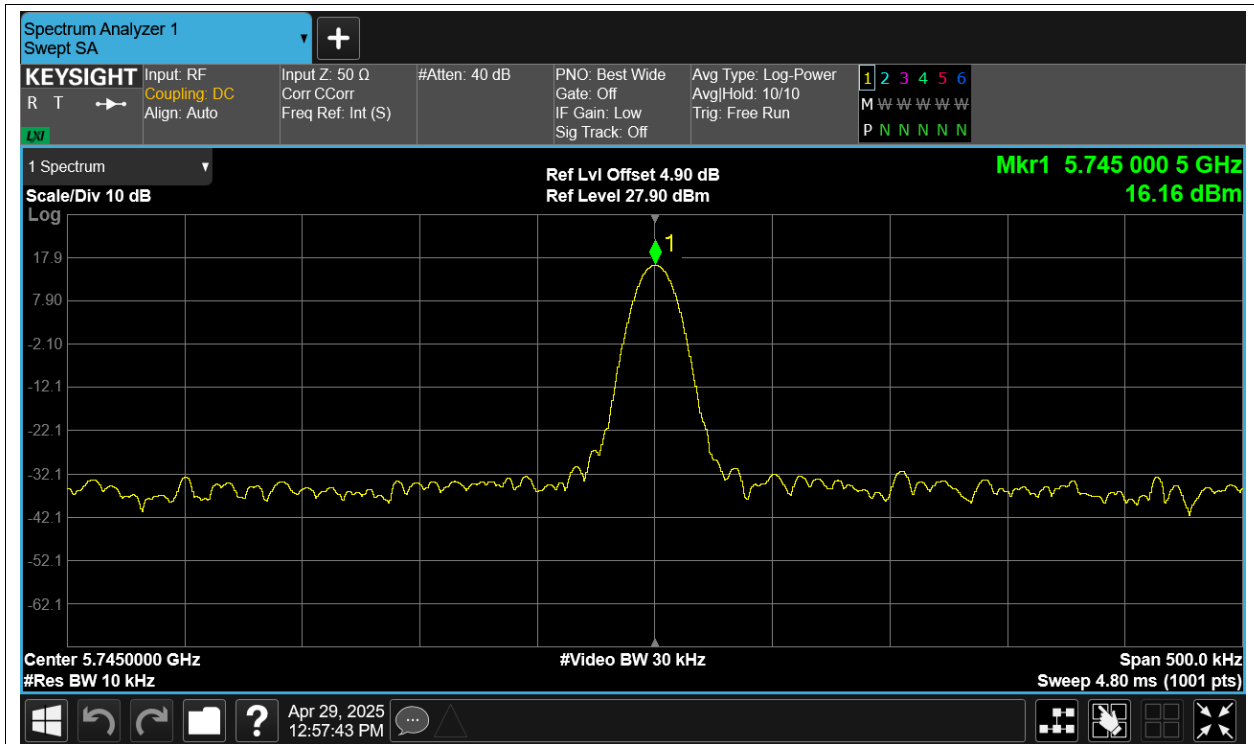
Freq. Stability HVNT a 5745MHz Ant1



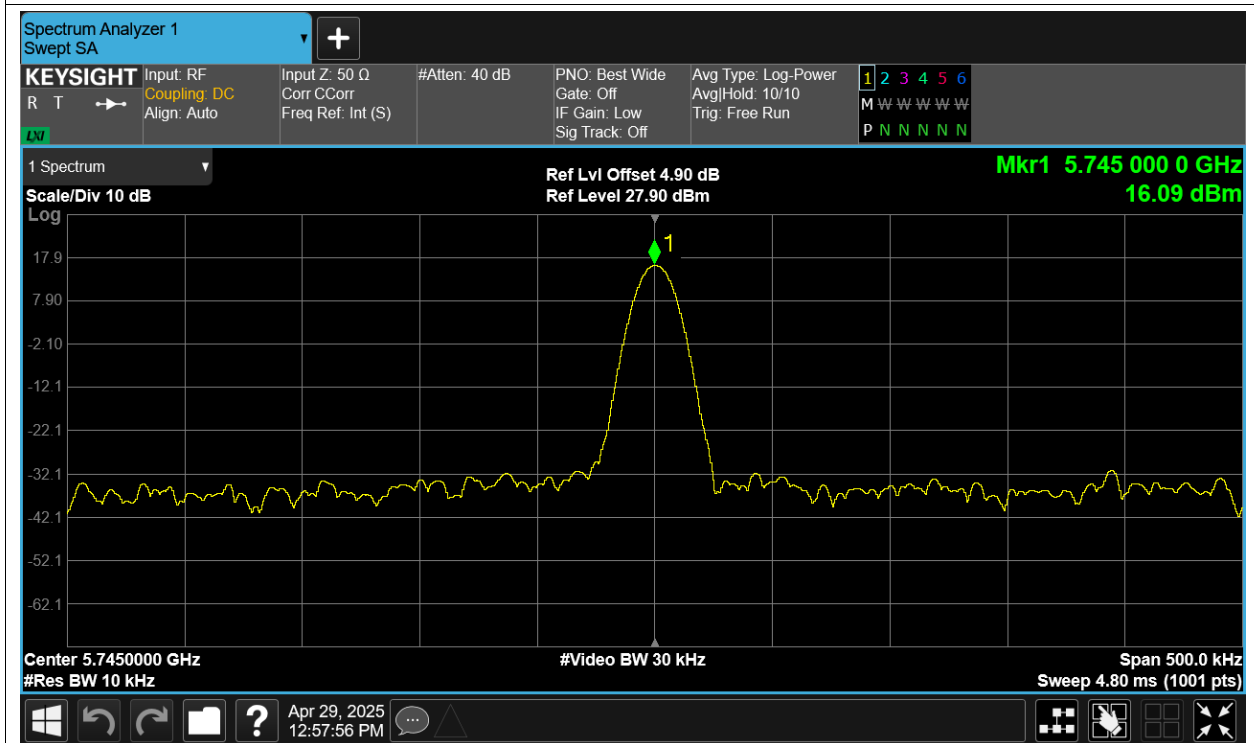
Freq. Stability LVNT a 5745MHz Ant1



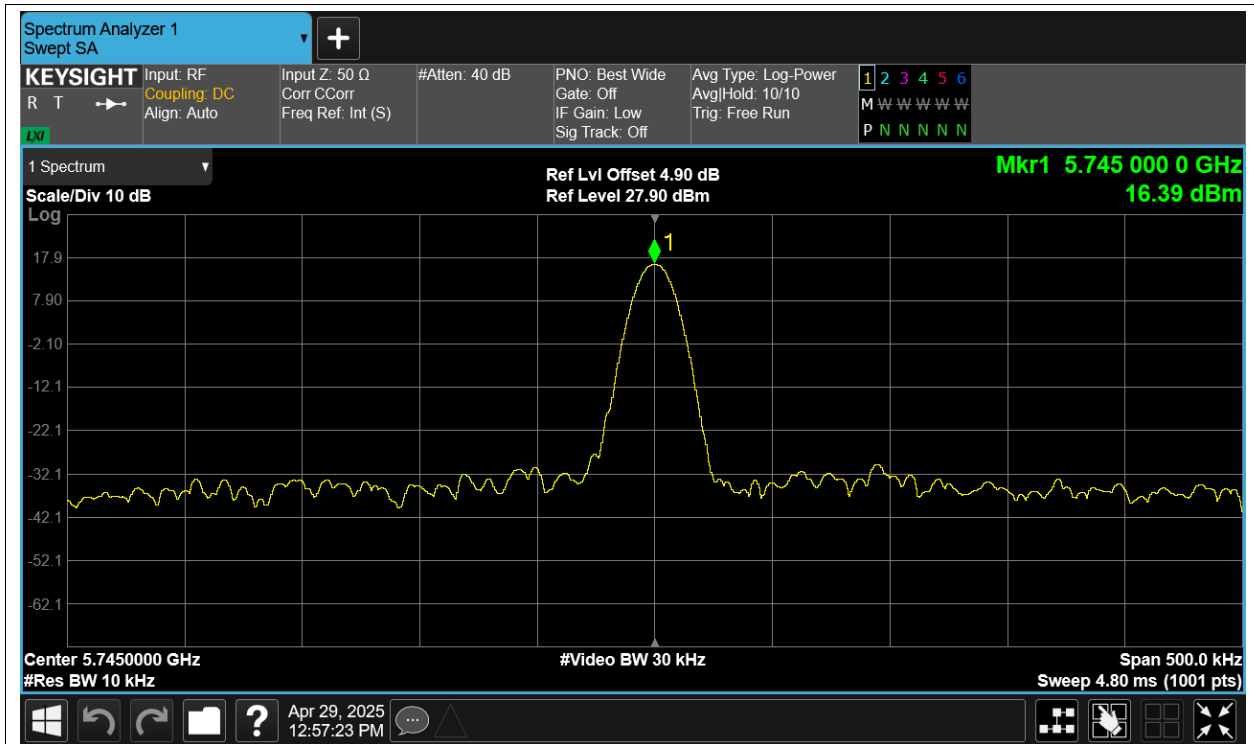
Freq. Stability NVHT a 5745MHz Ant1



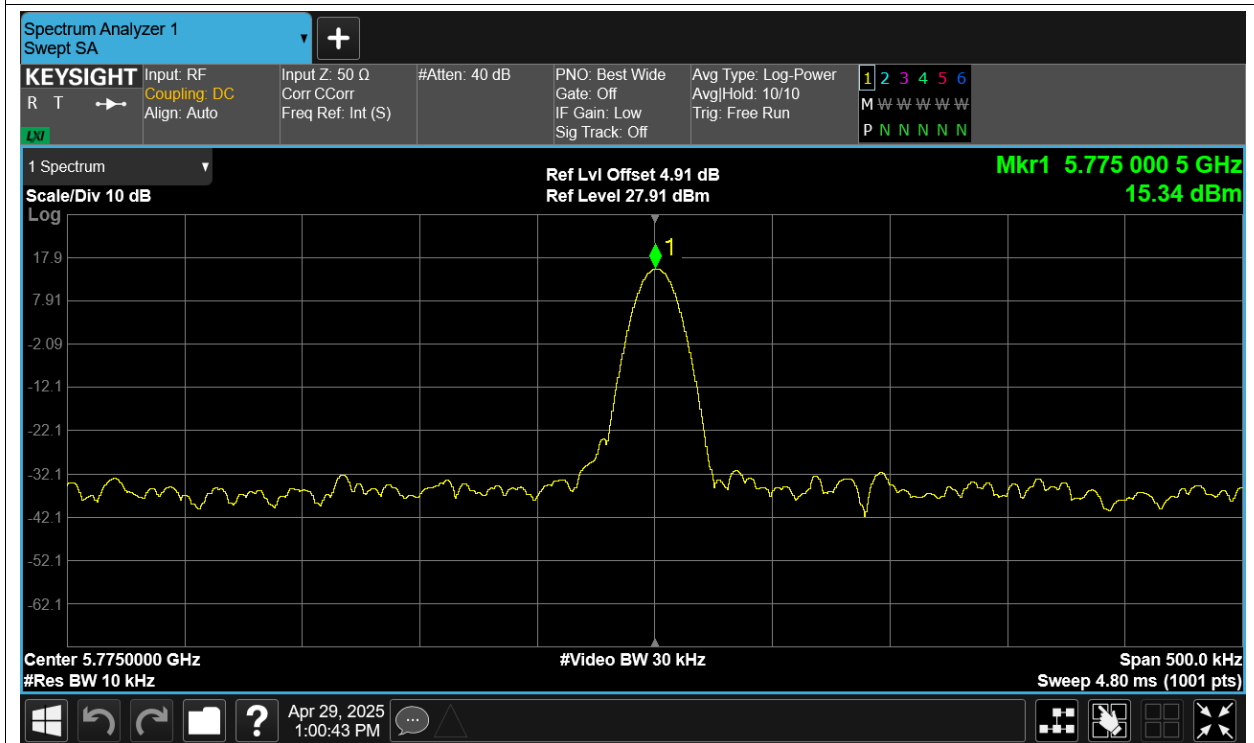
Freq. Stability NVLT a 5745MHz Ant1



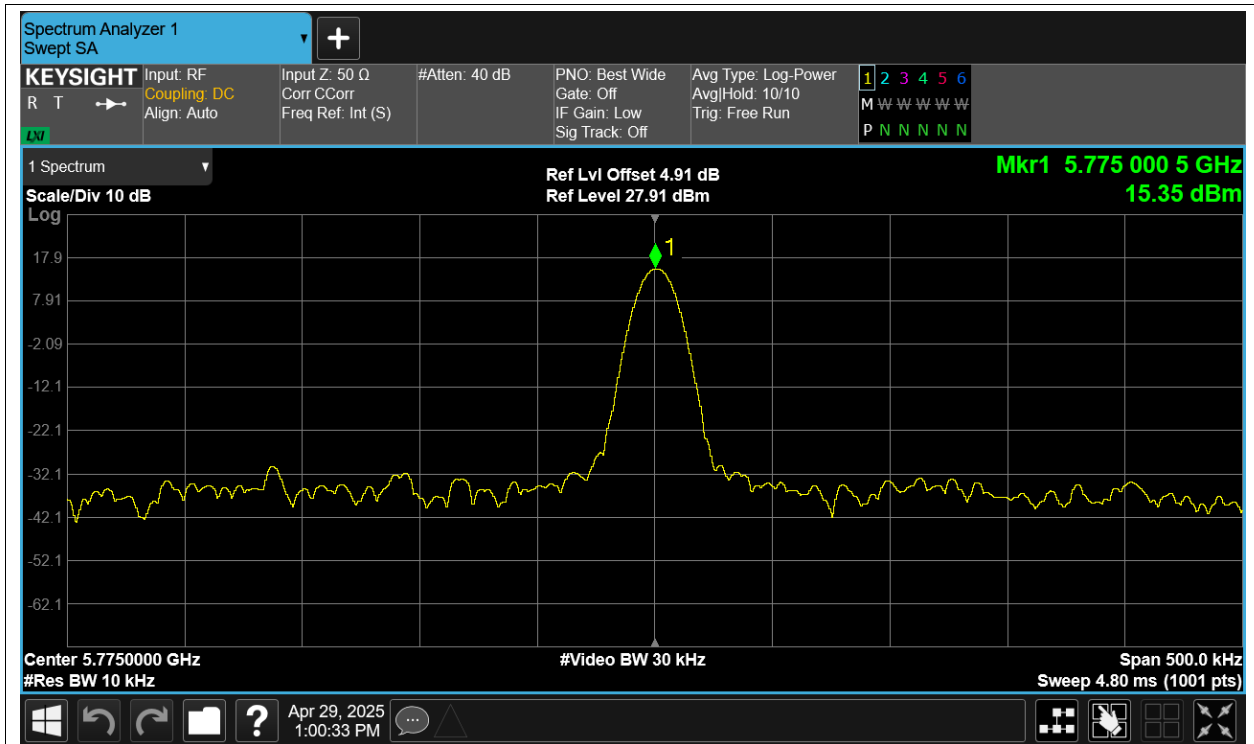
Freq. Stability NVNT a 5745MHz Ant1



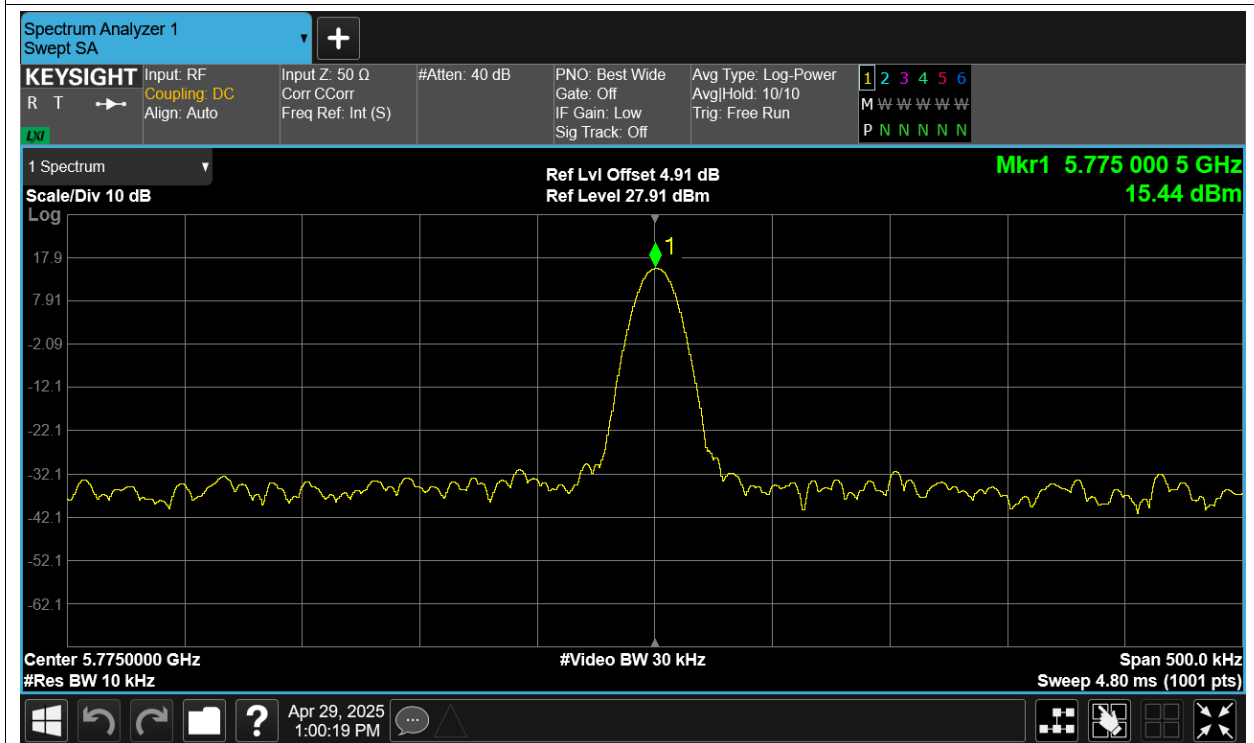
Freq. Stability HVNT ac80 5775MHz Ant1



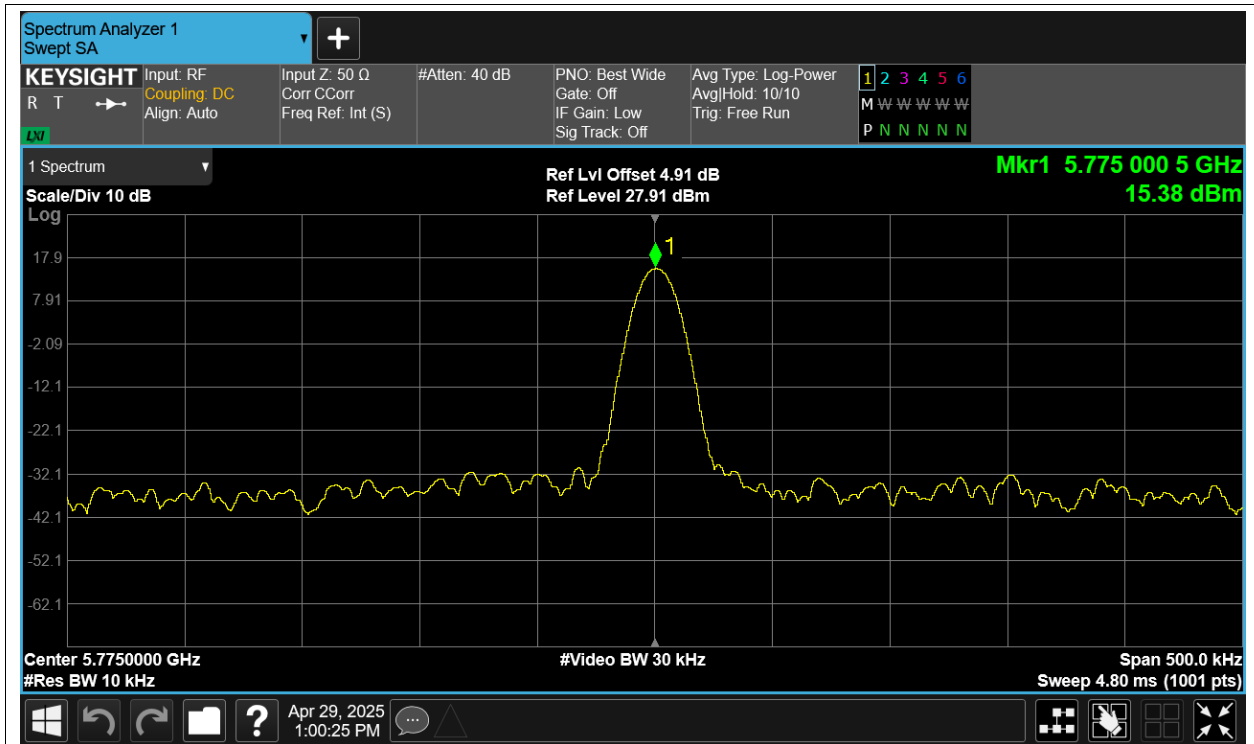
Freq. Stability LVNT ac80 5775MHz Ant1



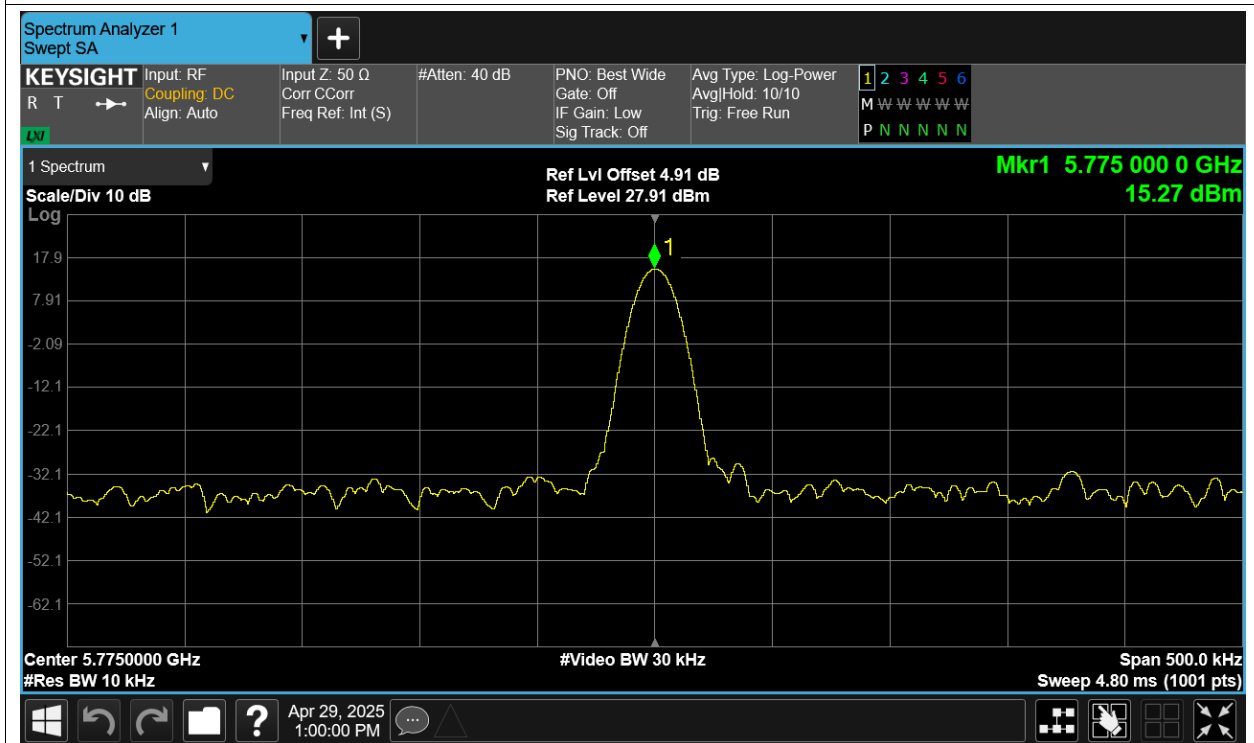
Freq. Stability NVHT ac80 5775MHz Ant1



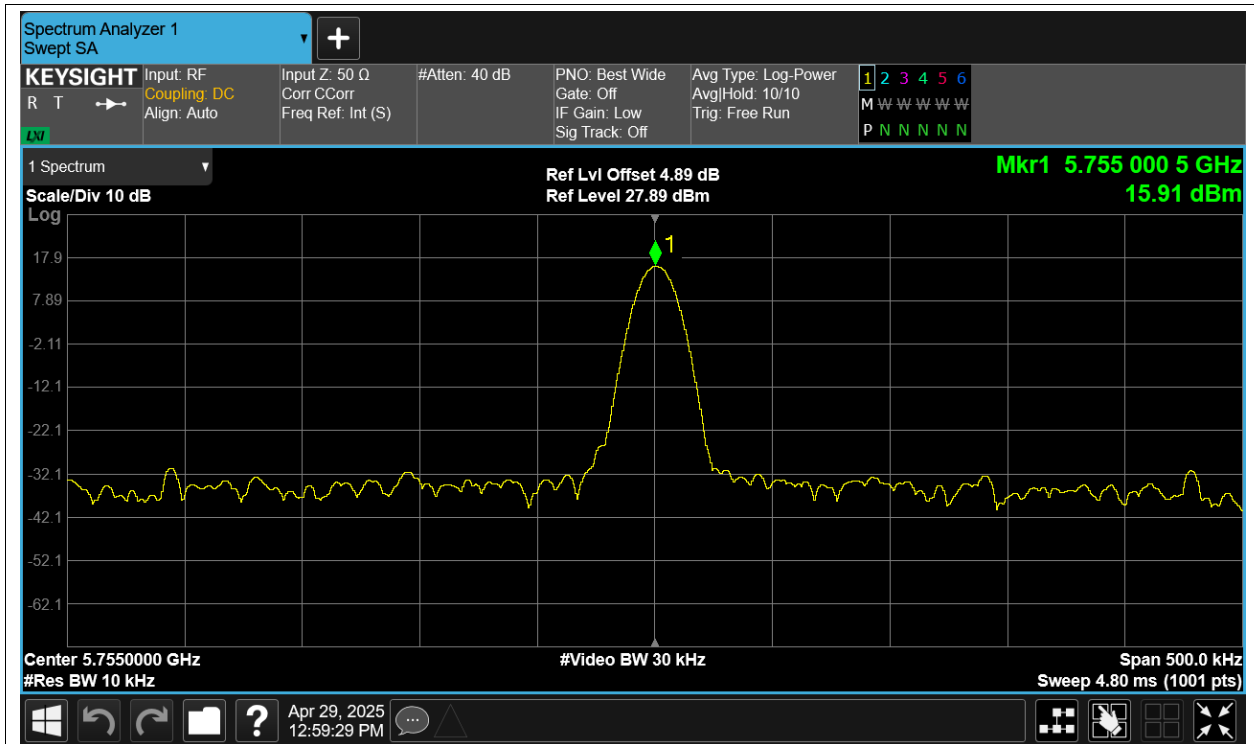
Freq. Stability NVLT ac80 5775MHz Ant1



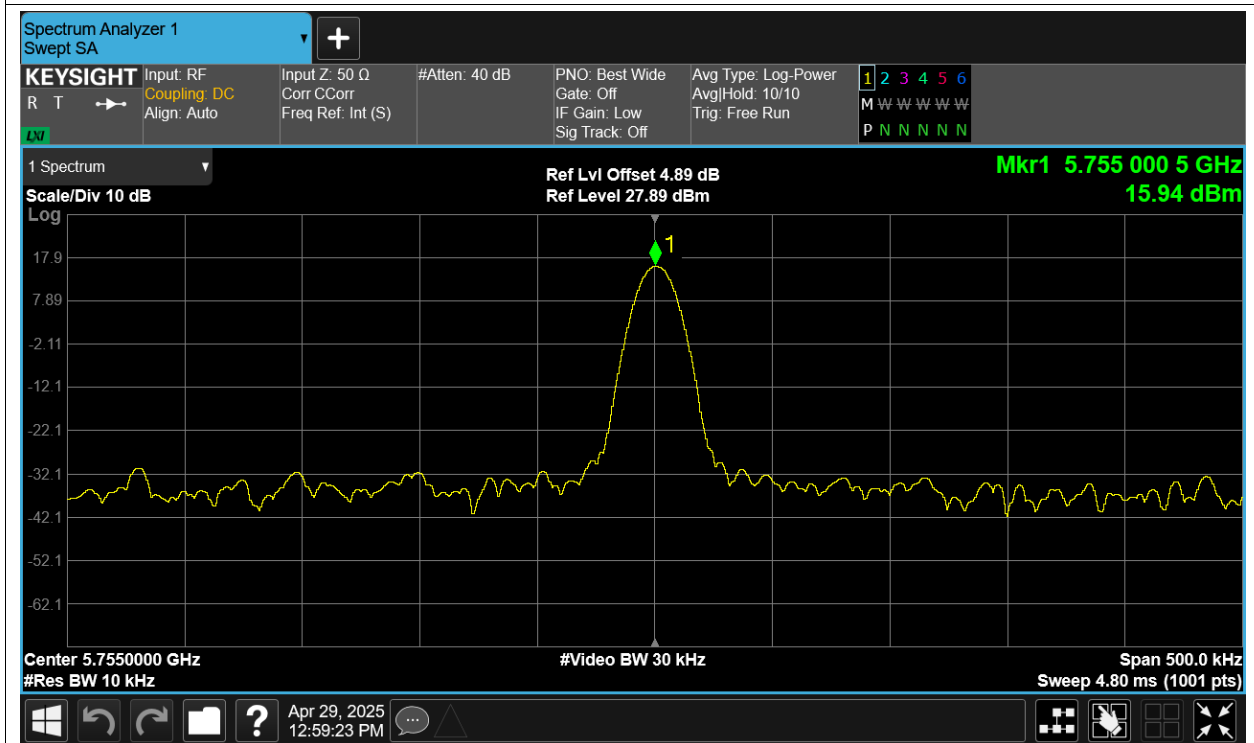
Freq. Stability NVNT ac80 5775MHz Ant1



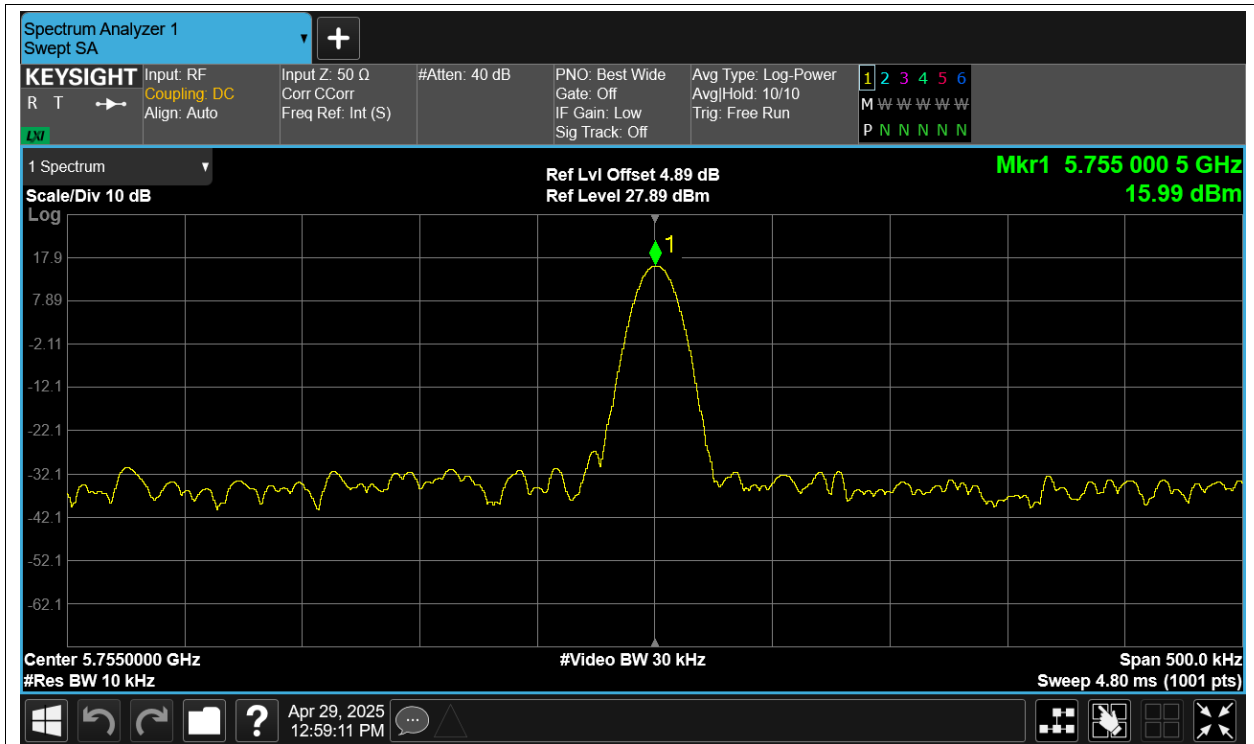
Freq. Stability HVNT n40 5755MHz Ant1



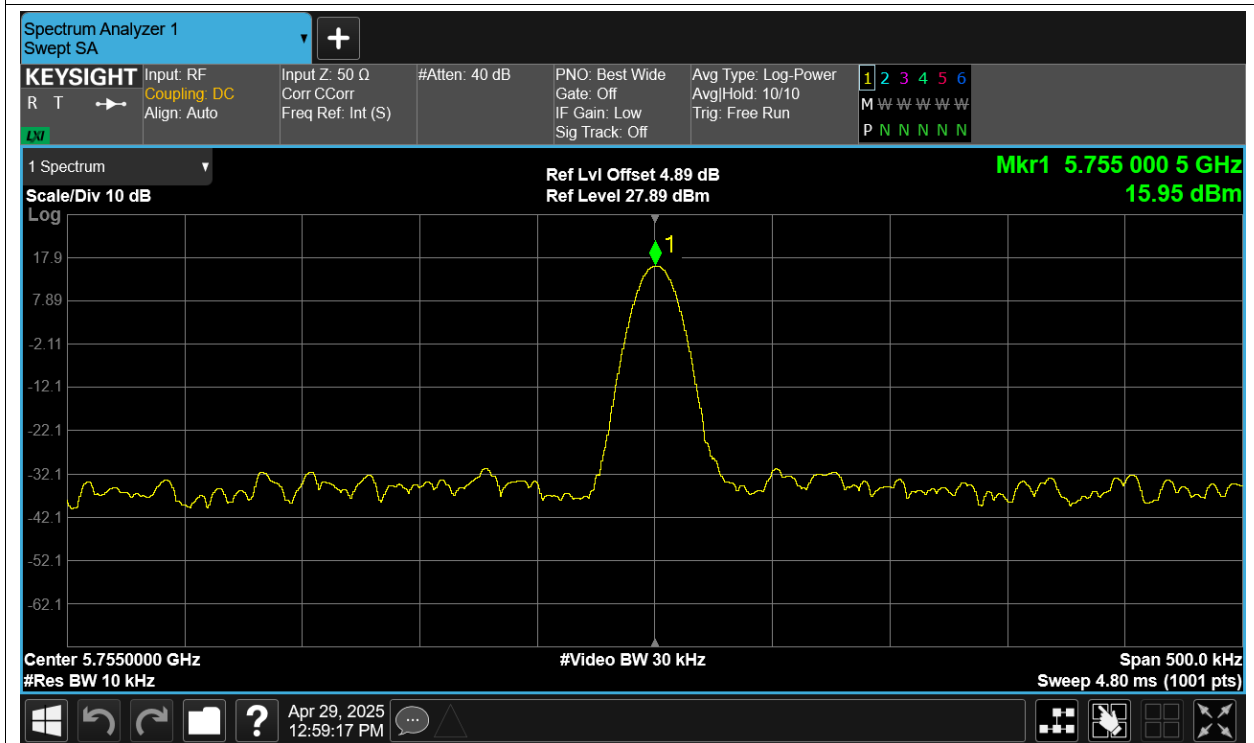
Freq. Stability LVNT n40 5755MHz Ant1



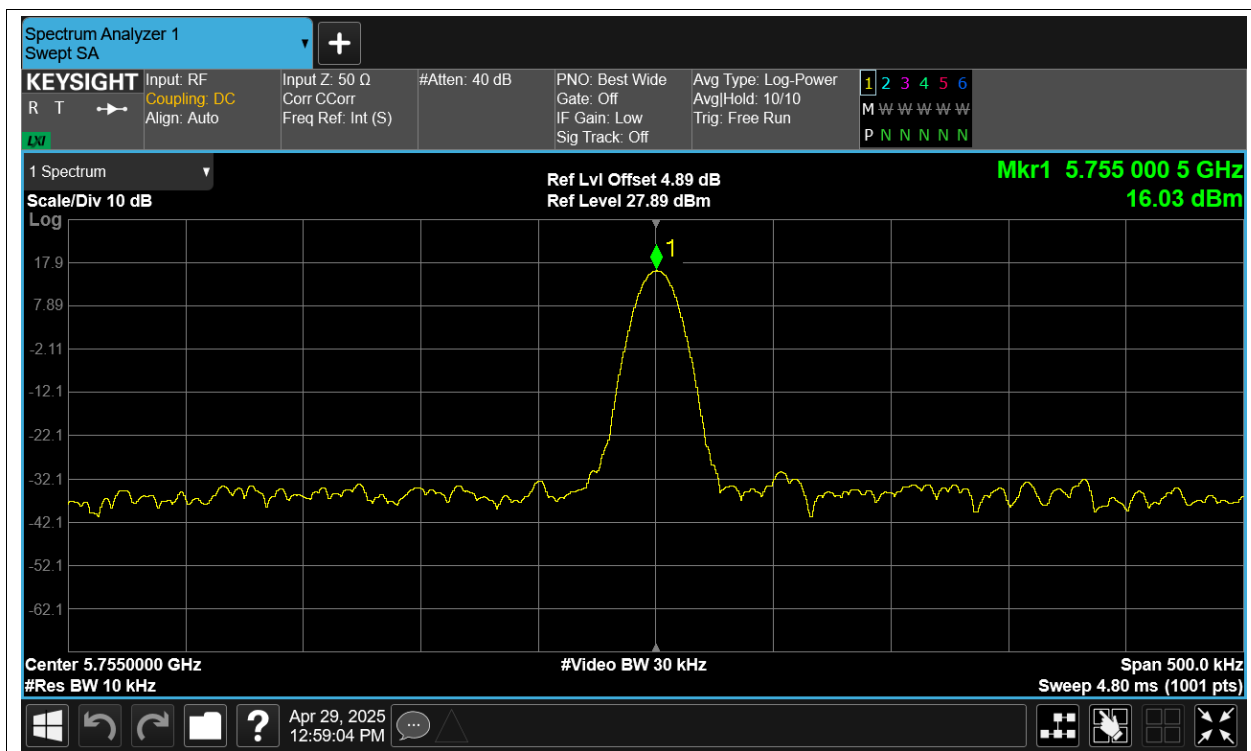
Freq. Stability NVHT n40 5755MHz Ant1



Freq. Stability NVLT n40 5755MHz Ant1

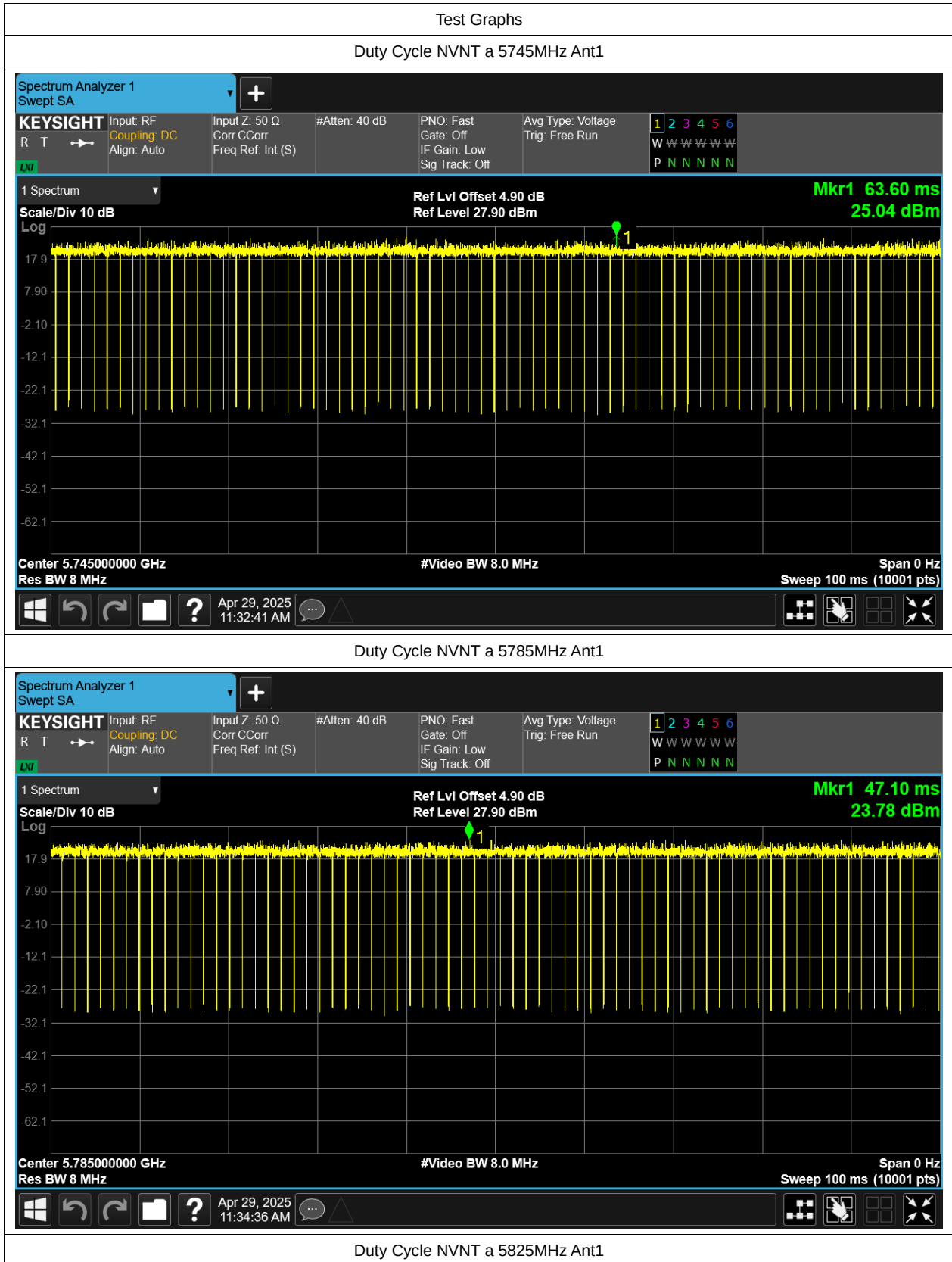


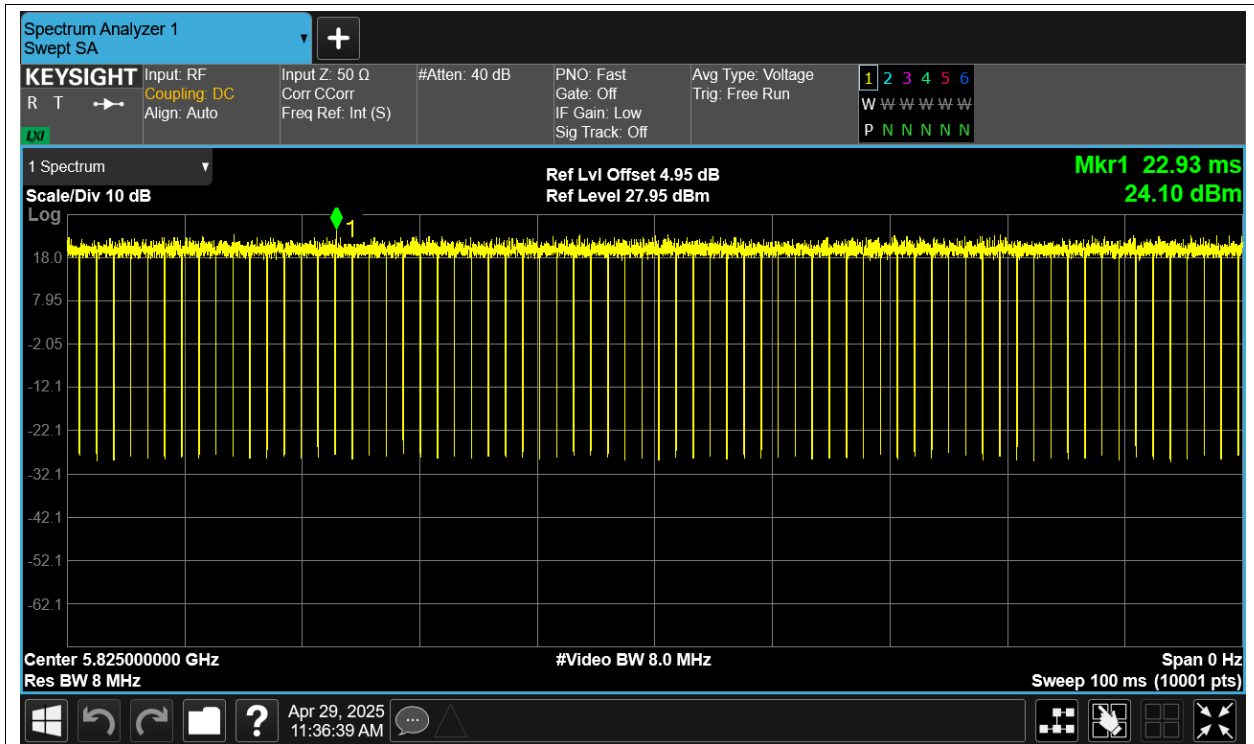
Freq. Stability NVNT n40 5755MHz Ant1



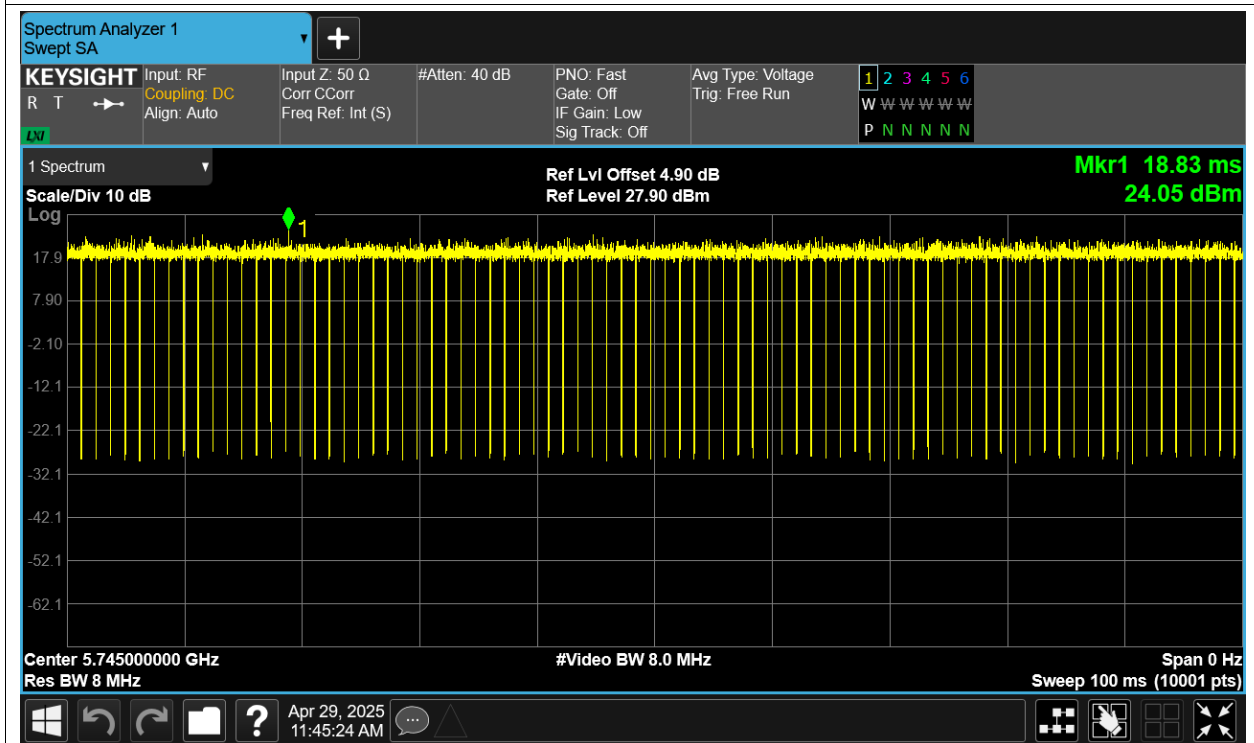
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	97.24	0.12
NVNT	a	5785	Ant1	96.55	0.15
NVNT	a	5825	Ant1	96.55	0.15
NVNT	ac20	5745	Ant1	96.59	0.15
NVNT	ac20	5785	Ant1	96.56	0.15
NVNT	ac20	5825	Ant1	96.59	0.15
NVNT	ac40	5755	Ant1	93.24	0.3
NVNT	ac40	5795	Ant1	93.23	0.3
NVNT	ac80	5775	Ant1	87.63	0.57
NVNT	n20	5745	Ant1	96.35	0.16
NVNT	n20	5785	Ant1	96.35	0.16
NVNT	n20	5825	Ant1	96.36	0.16
NVNT	n40	5755	Ant1	93.76	0.28
NVNT	n40	5795	Ant1	92.21	0.35

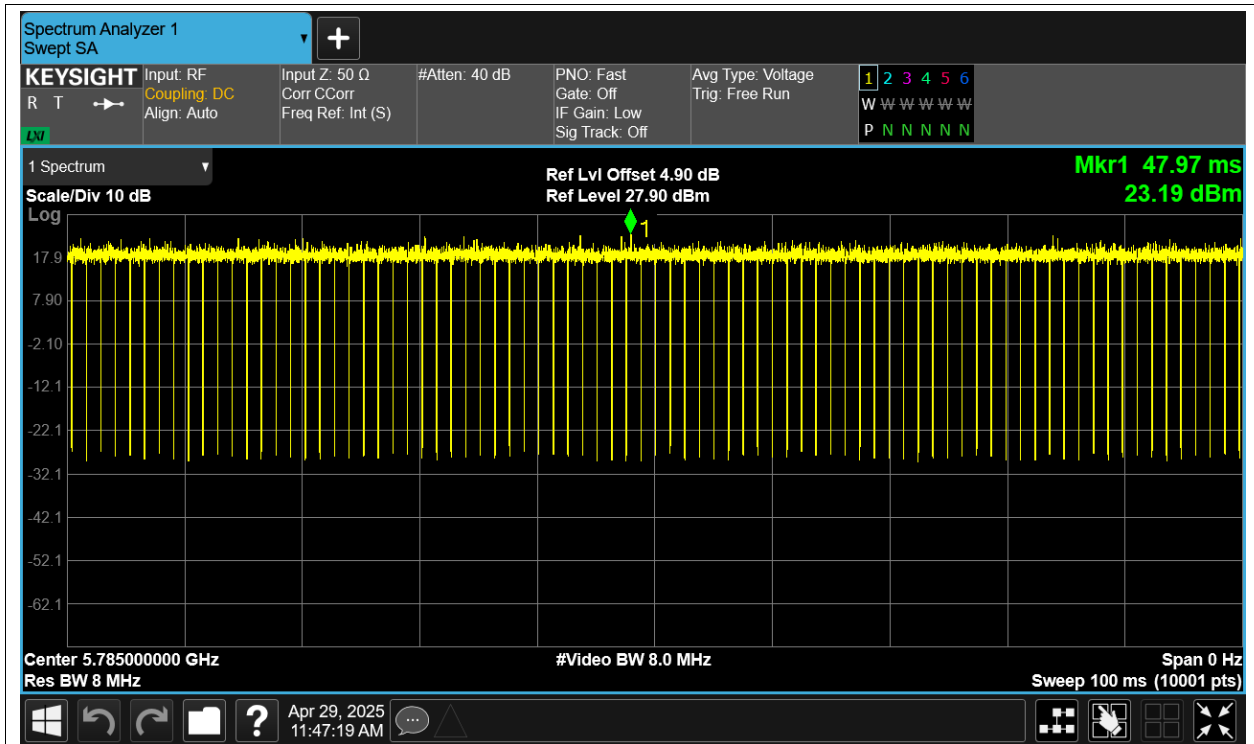




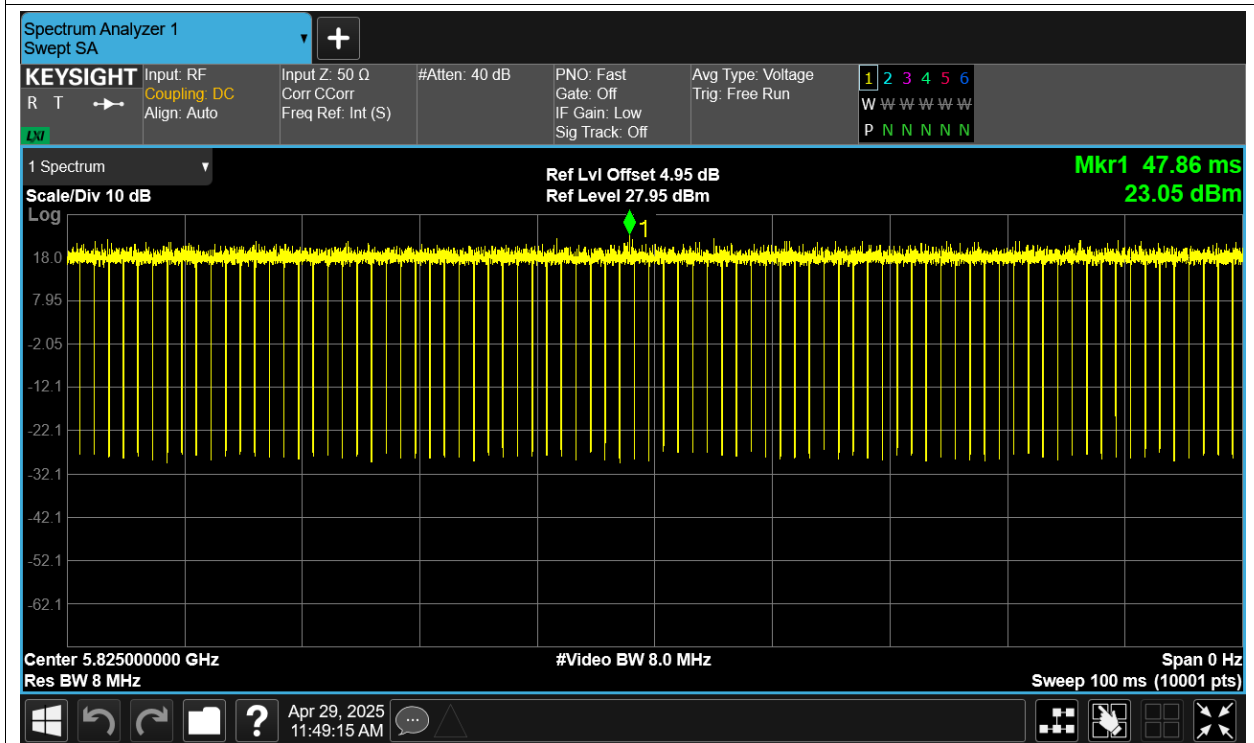
Duty Cycle NVNT ac20 5745MHz Ant1



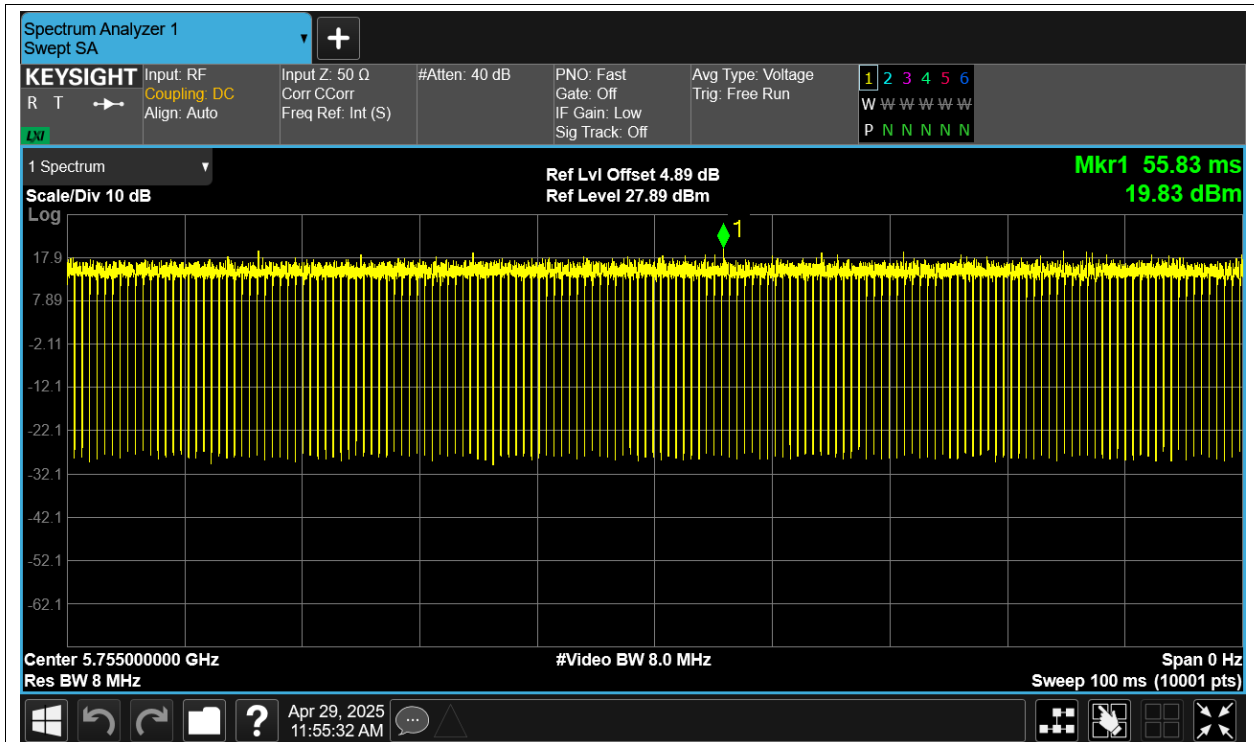
Duty Cycle NVNT ac20 5785MHz Ant1



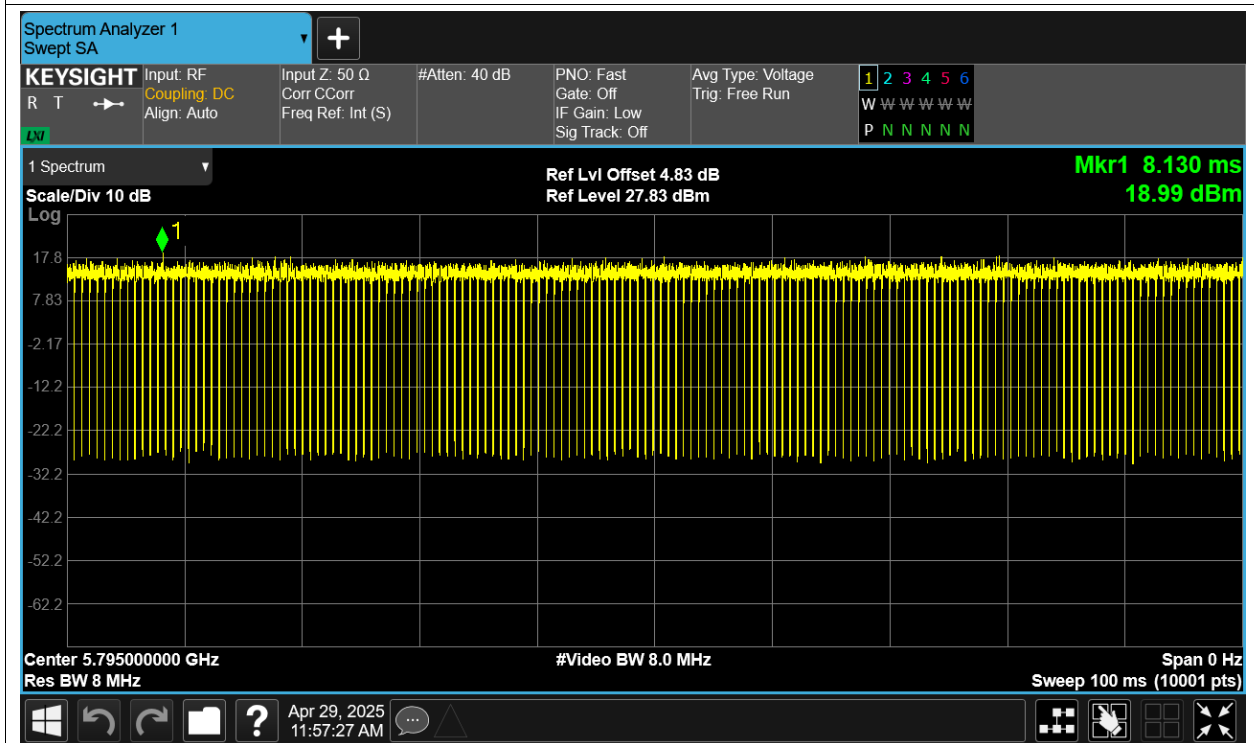
Duty Cycle NVNT ac20 5825MHz Ant1



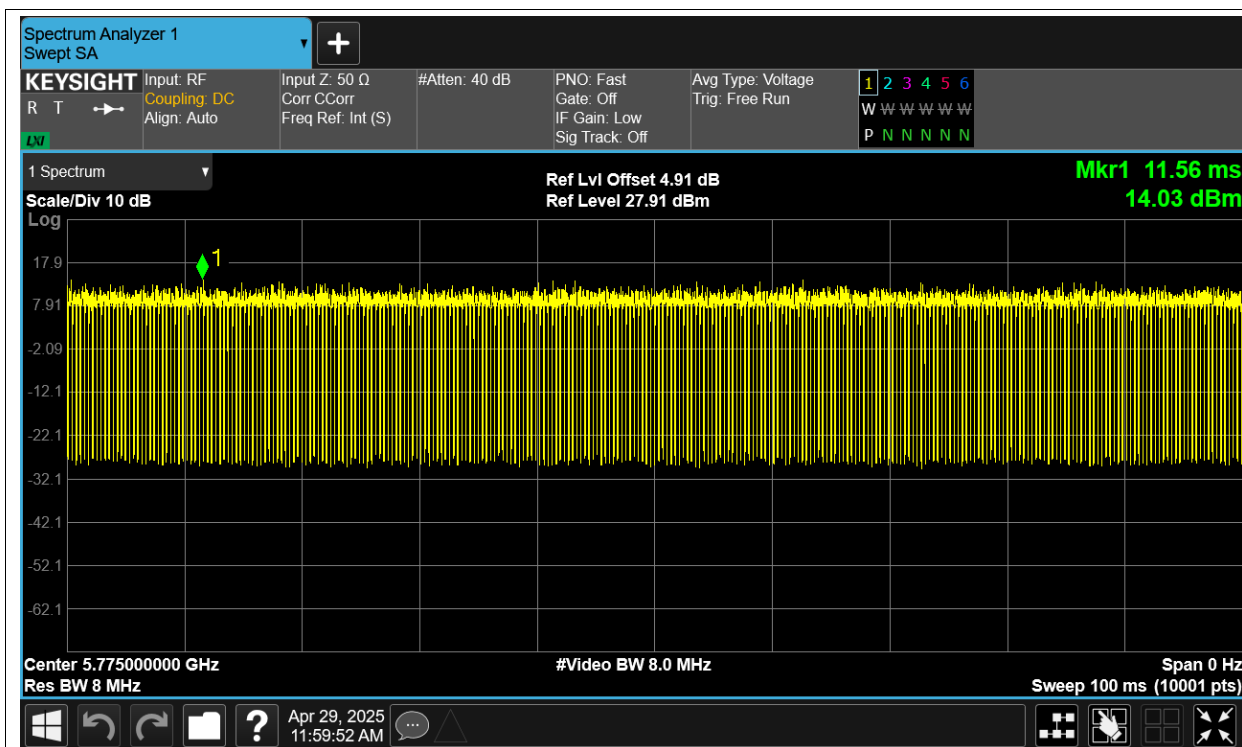
Duty Cycle NVNT ac40 5755MHz Ant1



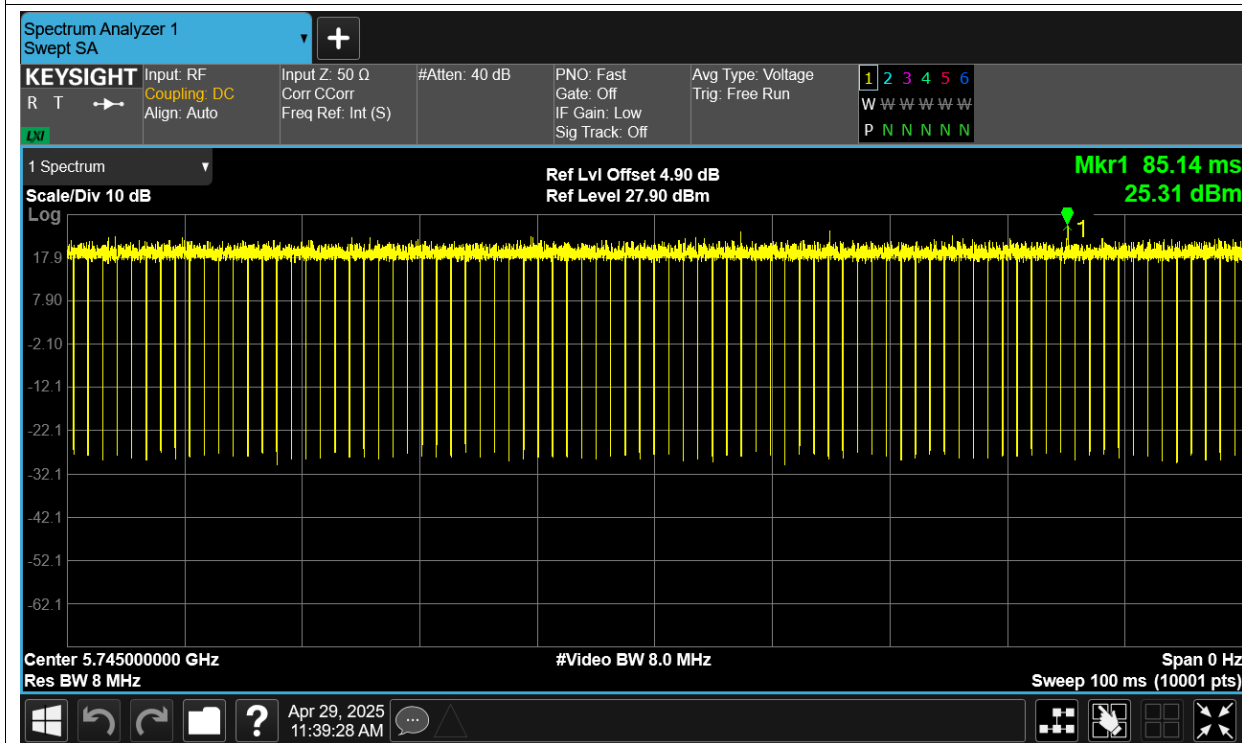
Duty Cycle NVNT ac40 5795MHz Ant1



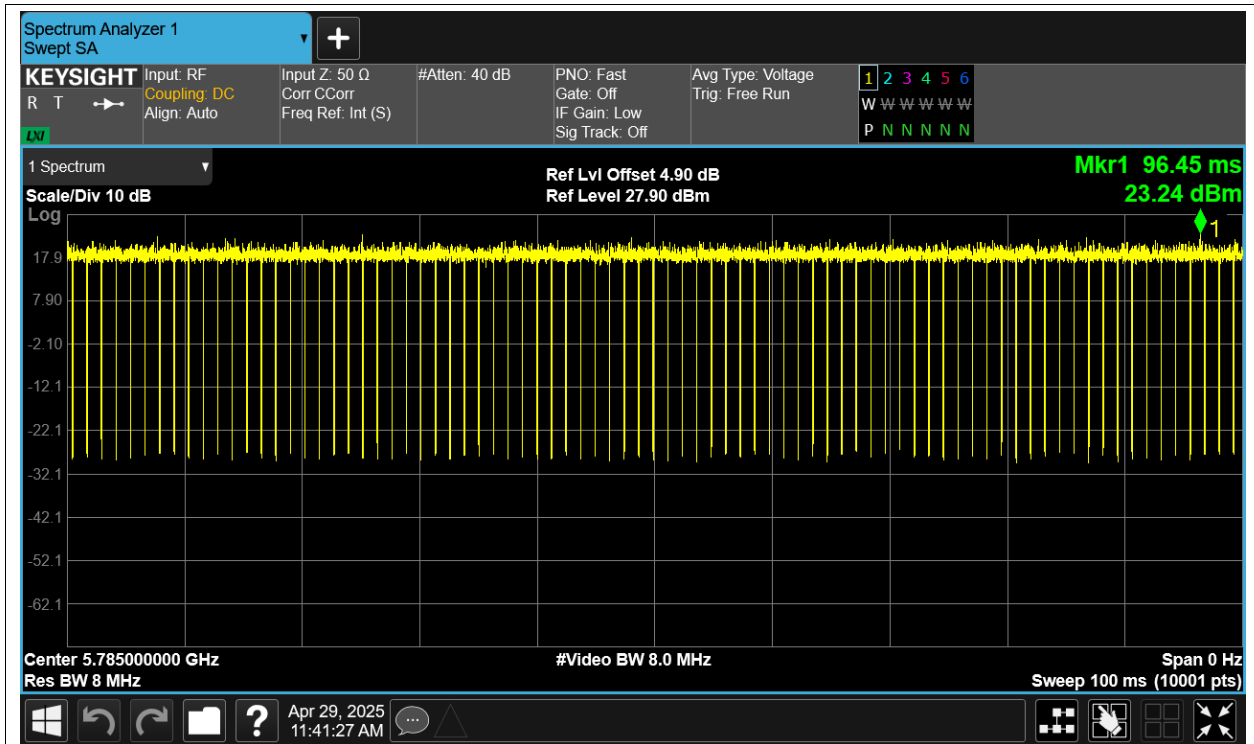
Duty Cycle NVNT ac80 5775MHz Ant1



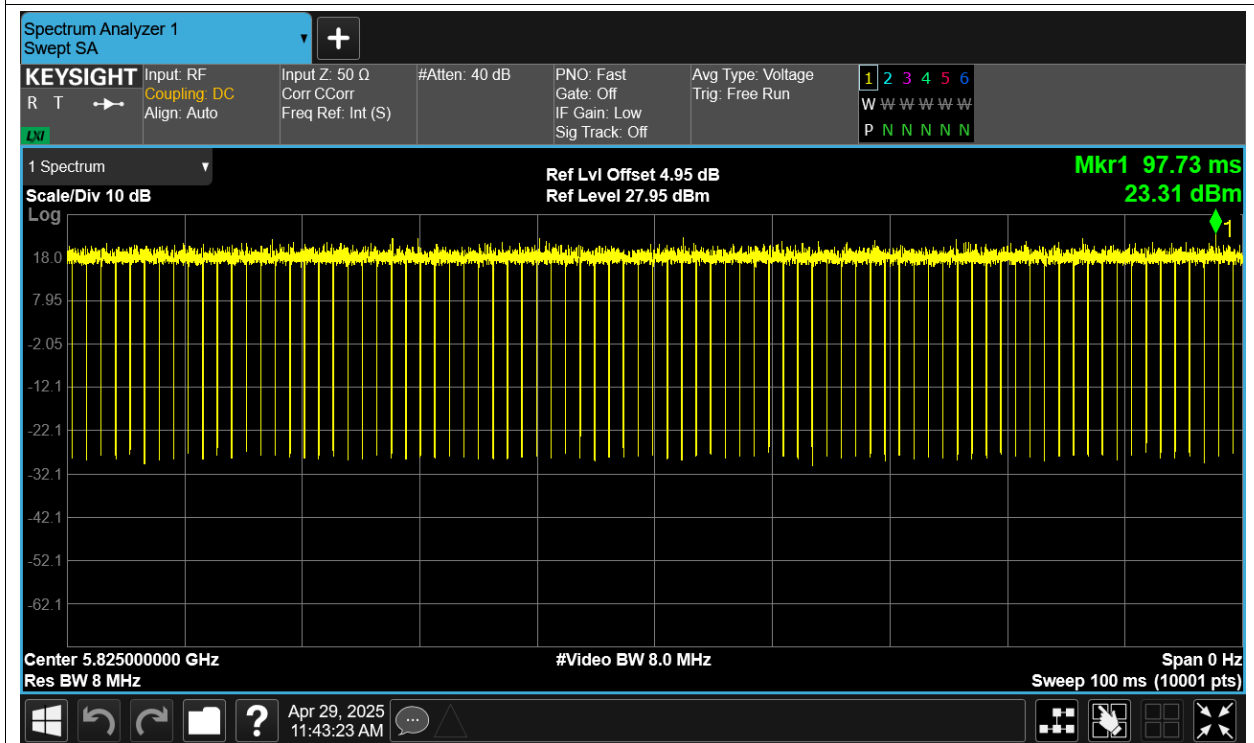
Duty Cycle NVNT n20 5745MHz Ant1



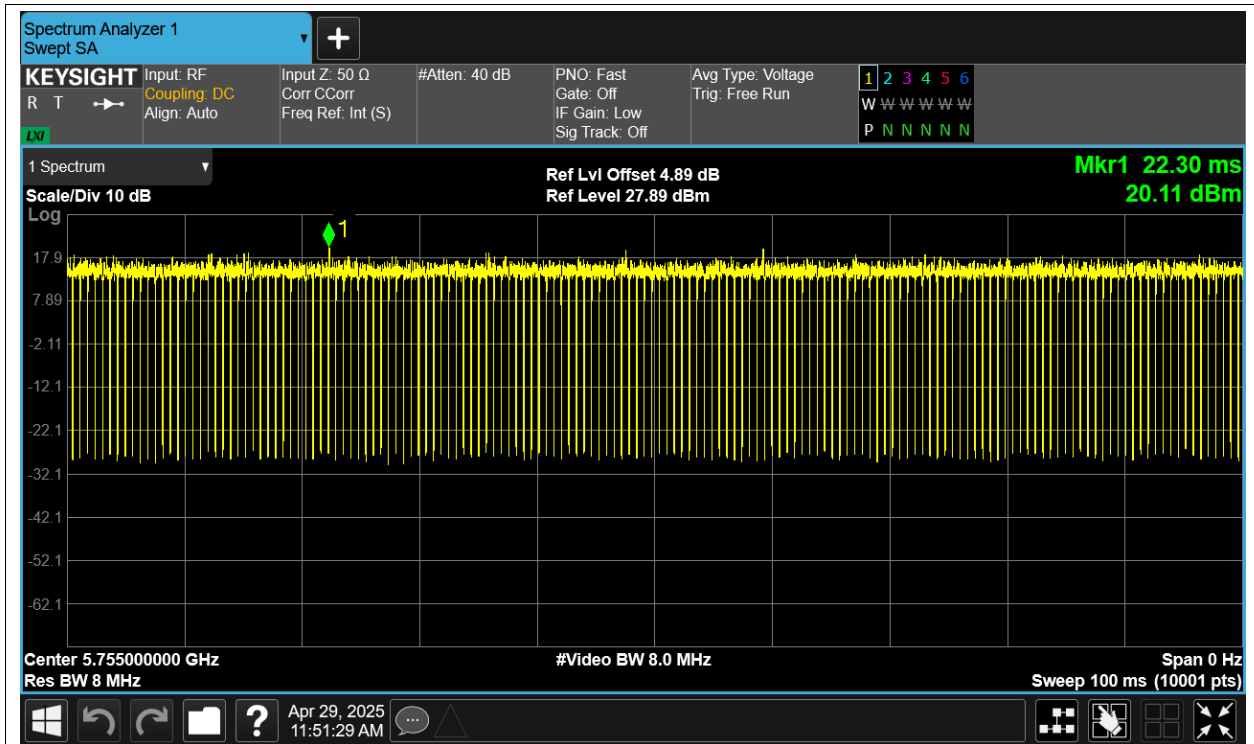
Duty Cycle NVNT n20 5785MHz Ant1



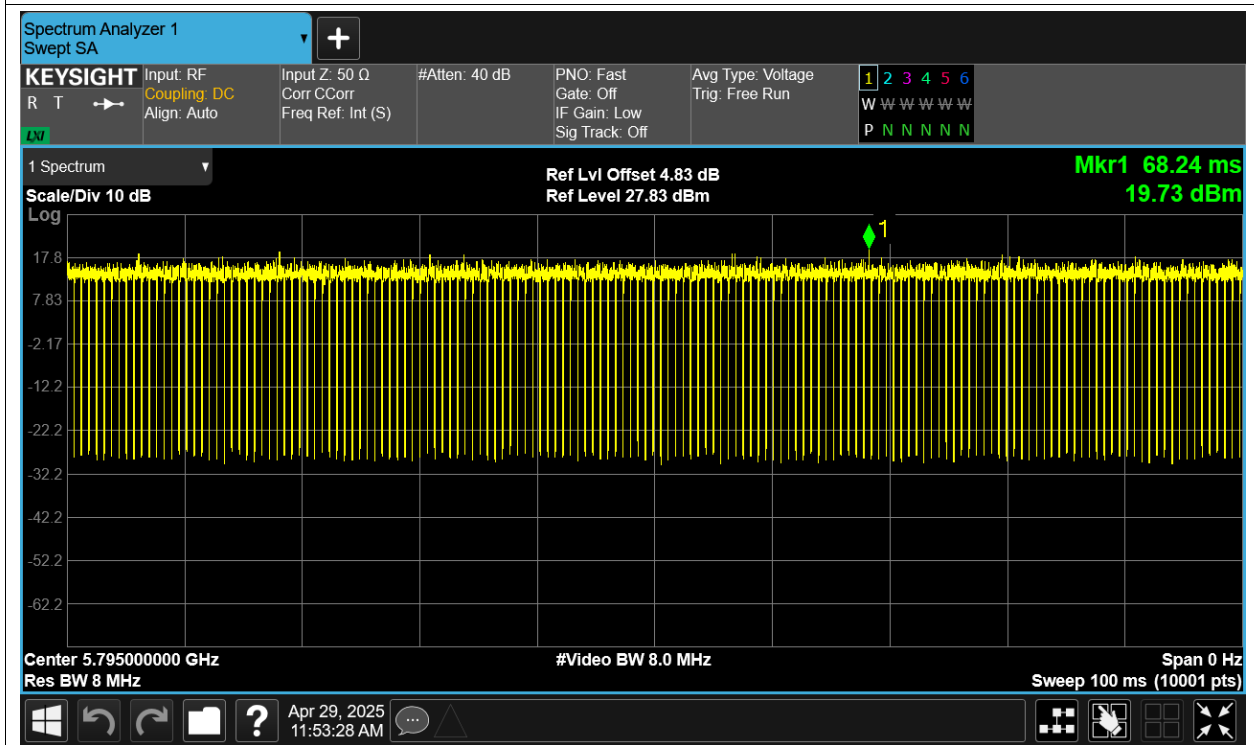
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



Maximum Conducted Output Power

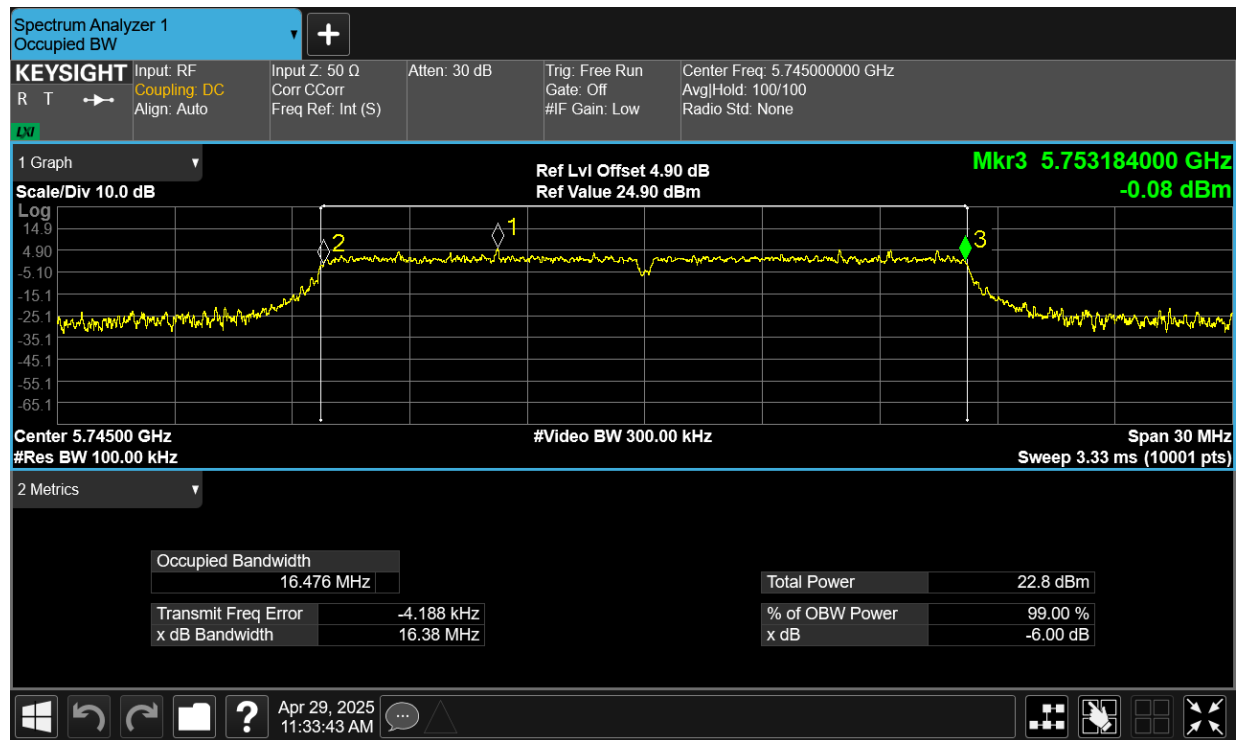
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	16.37	0.12	16.49	30	Pass
NVNT	a	5785	Ant1	16	0.15	16.15	30	Pass
NVNT	a	5825	Ant1	15.6	0.15	15.75	30	Pass
NVNT	ac20	5745	Ant1	15.12	0.15	15.27	30	Pass
NVNT	ac20	5785	Ant1	14.75	0.15	14.9	30	Pass
NVNT	ac20	5825	Ant1	14.34	0.15	14.49	30	Pass
NVNT	ac40	5755	Ant1	14.2	0.3	14.5	30	Pass
NVNT	ac40	5795	Ant1	14.02	0.3	14.32	30	Pass
NVNT	ac80	5775	Ant1	13.3	0.57	13.87	30	Pass
NVNT	n20	5745	Ant1	15.07	0.16	15.23	30	Pass
NVNT	n20	5785	Ant1	14.78	0.16	14.94	30	Pass
NVNT	n20	5825	Ant1	14.34	0.16	14.5	30	Pass
NVNT	n40	5755	Ant1	14.18	0.28	14.46	30	Pass
NVNT	n40	5795	Ant1	14.01	0.35	14.36	30	Pass

-6dB Bandwidth

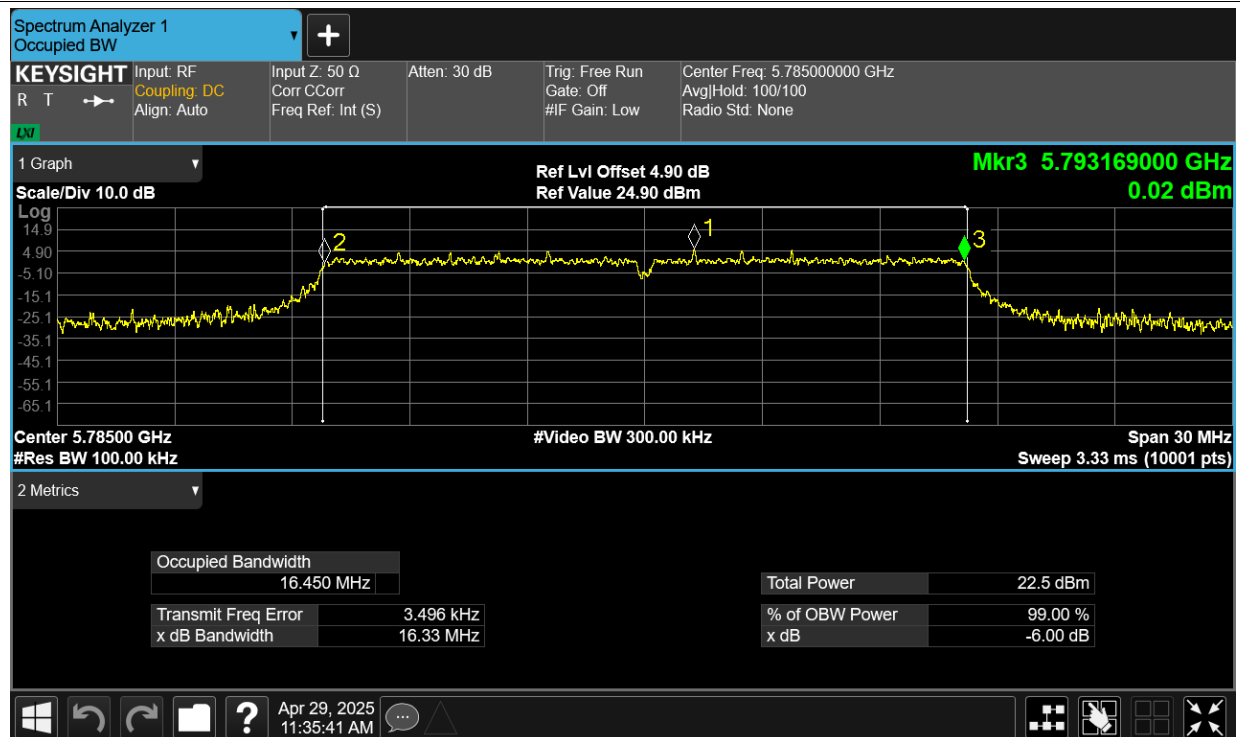
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	a	5745	Ant1	16.376	0.5	Pass
NVNT	a	5785	Ant1	16.331	0.5	Pass
NVNT	a	5825	Ant1	16.347	0.5	Pass
NVNT	ac20	5745	Ant1	17.389	0.5	Pass
NVNT	ac20	5785	Ant1	17.548	0.5	Pass
NVNT	ac20	5825	Ant1	17.257	0.5	Pass
NVNT	ac40	5755	Ant1	36.359	0.5	Pass
NVNT	ac40	5795	Ant1	36.341	0.5	Pass
NVNT	ac80	5775	Ant1	75.476	0.5	Pass
NVNT	n20	5745	Ant1	17.492	0.5	Pass
NVNT	n20	5785	Ant1	17.441	0.5	Pass
NVNT	n20	5825	Ant1	17.281	0.5	Pass
NVNT	n40	5755	Ant1	36.378	0.5	Pass
NVNT	n40	5795	Ant1	36.279	0.5	Pass

Test Graphs

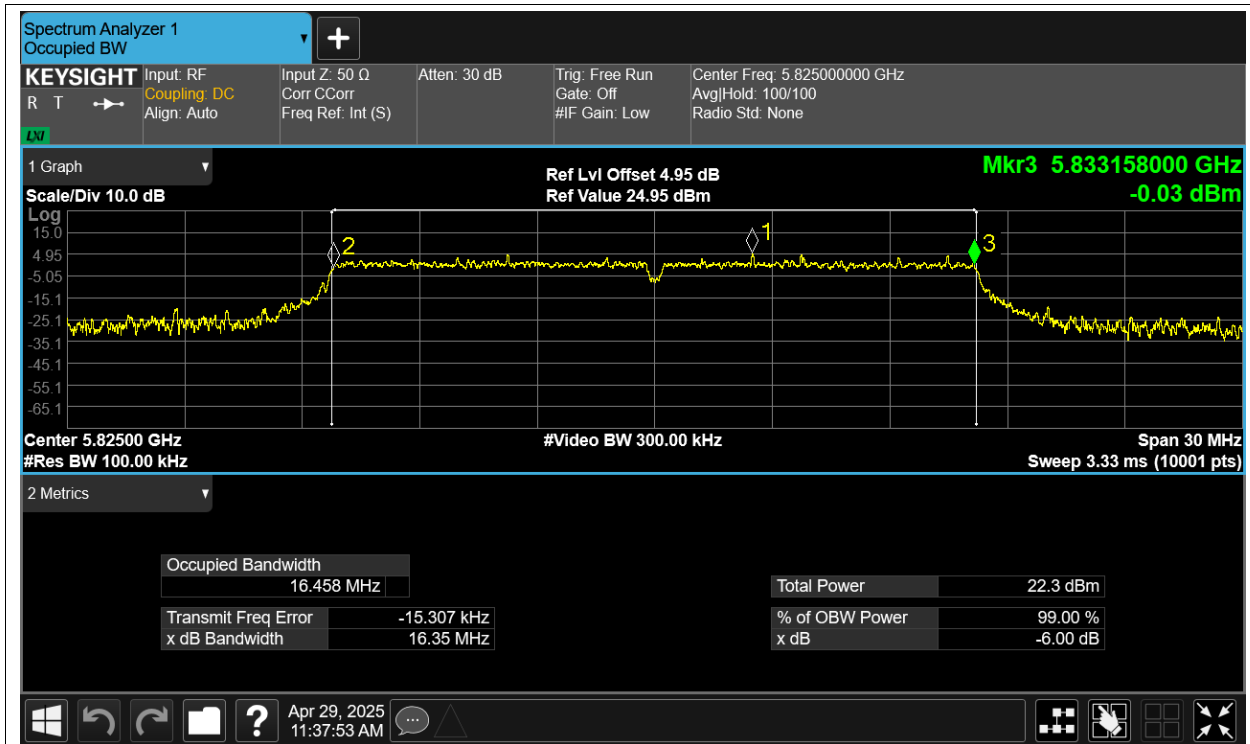
-6dB Bandwidth NVNT a 5745MHz Ant1



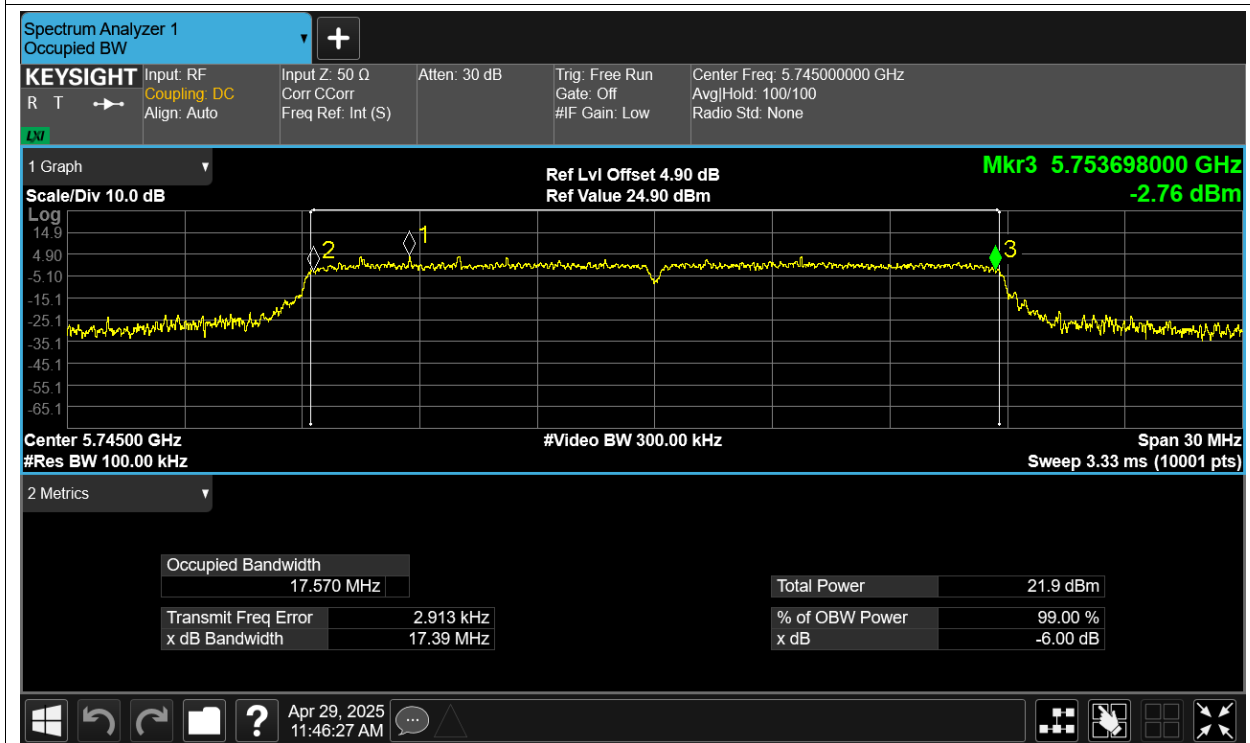
-6dB Bandwidth NVNT a 5785MHz Ant1



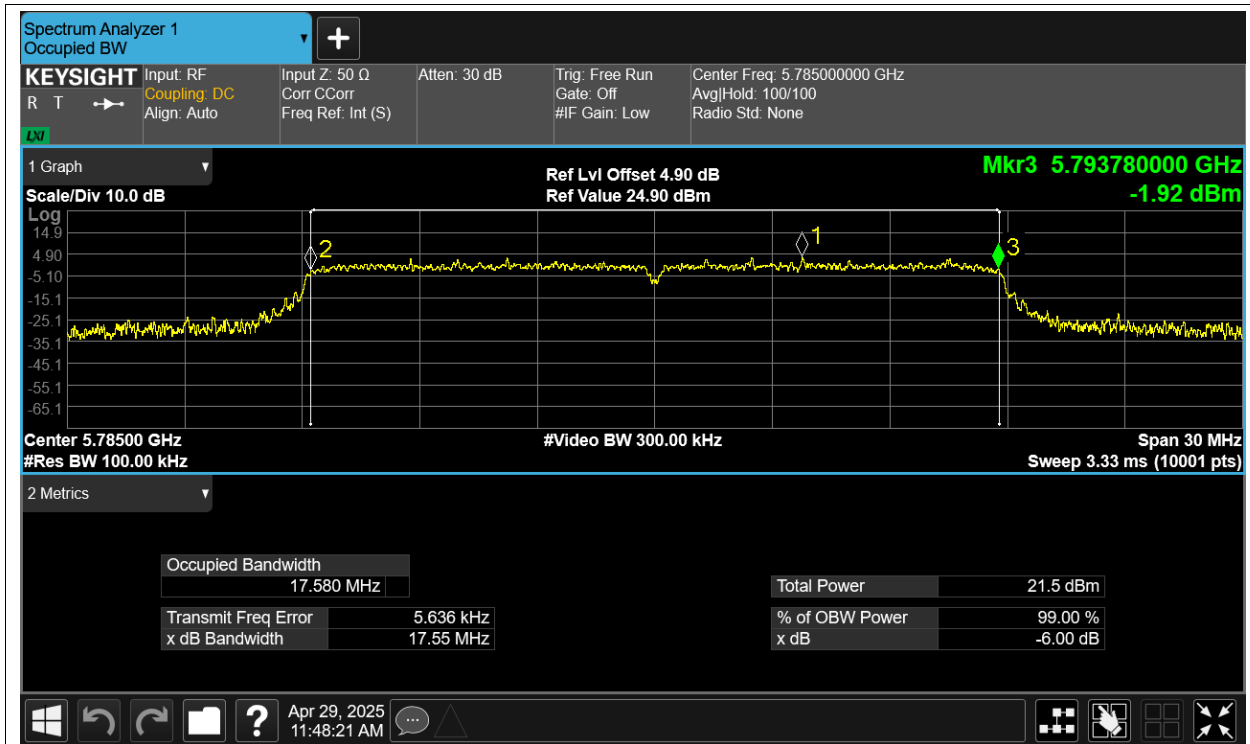
-6dB Bandwidth NVNT a 5825MHz Ant1



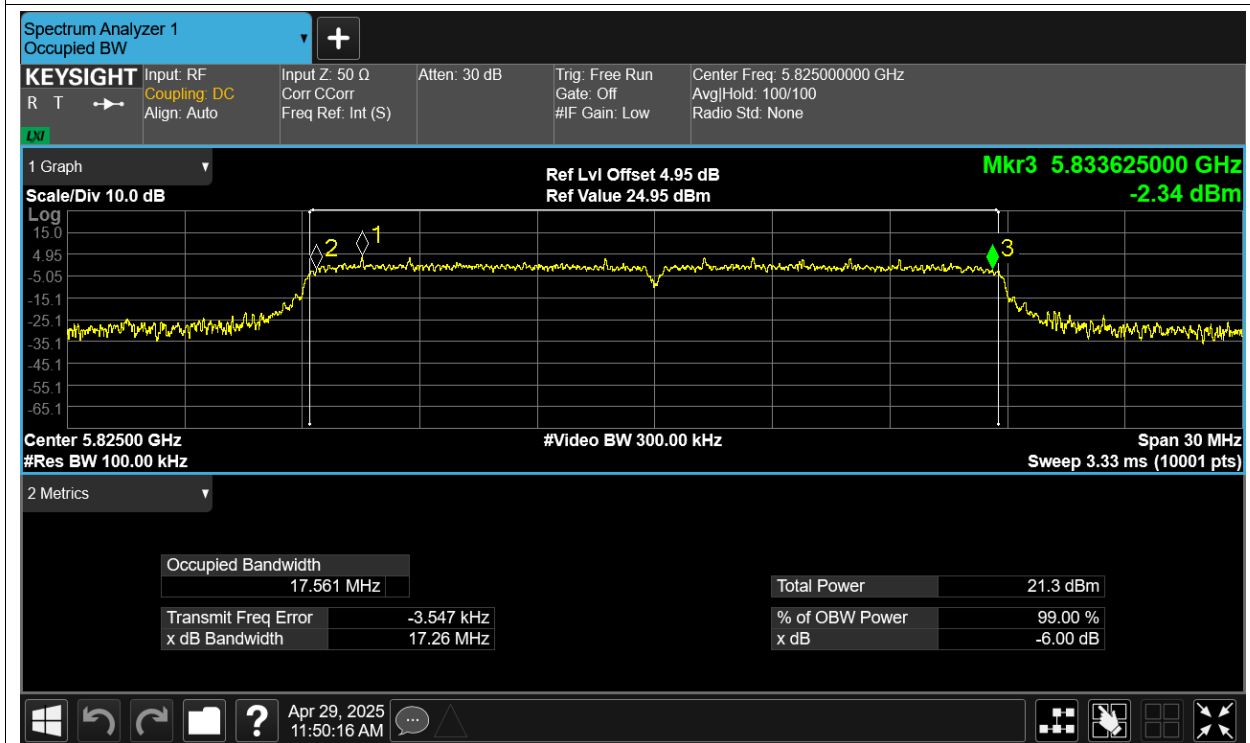
-6dB Bandwidth NVNT ac20 5745MHz Ant1



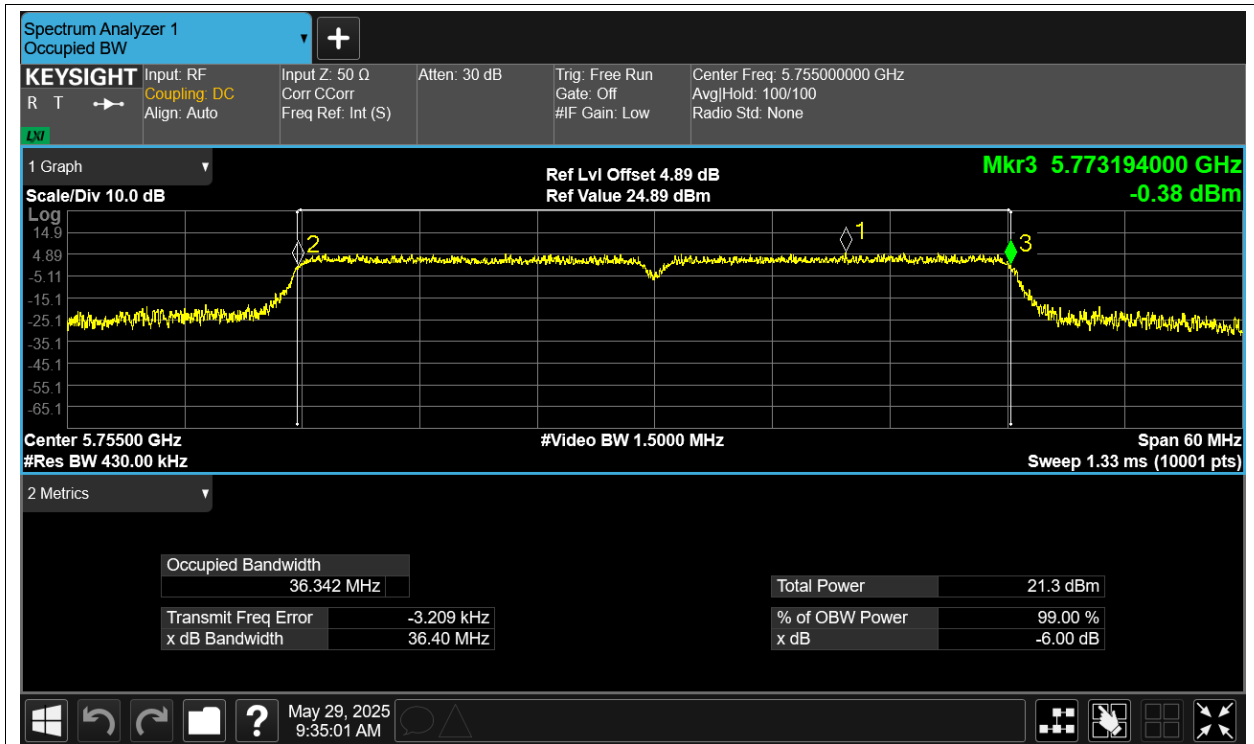
-6dB Bandwidth NVNT ac20 5785MHz Ant1



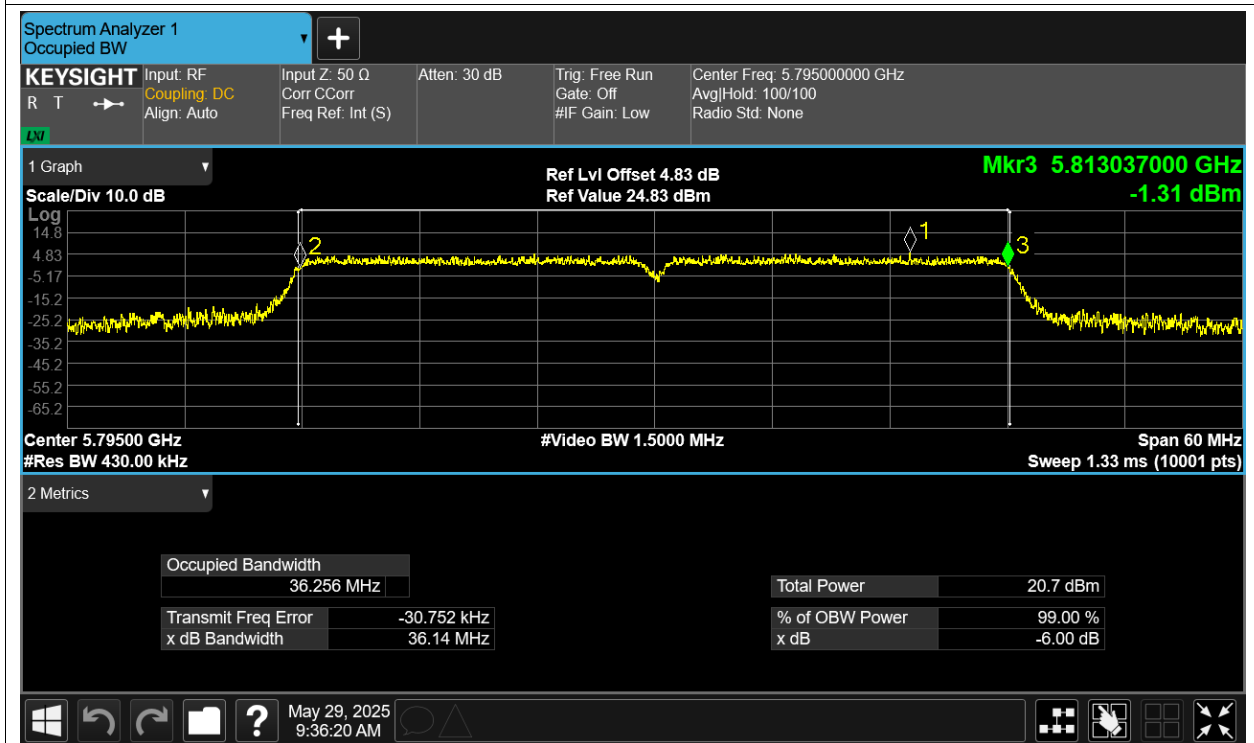
-6dB Bandwidth NVNT ac20 5825MHz Ant1



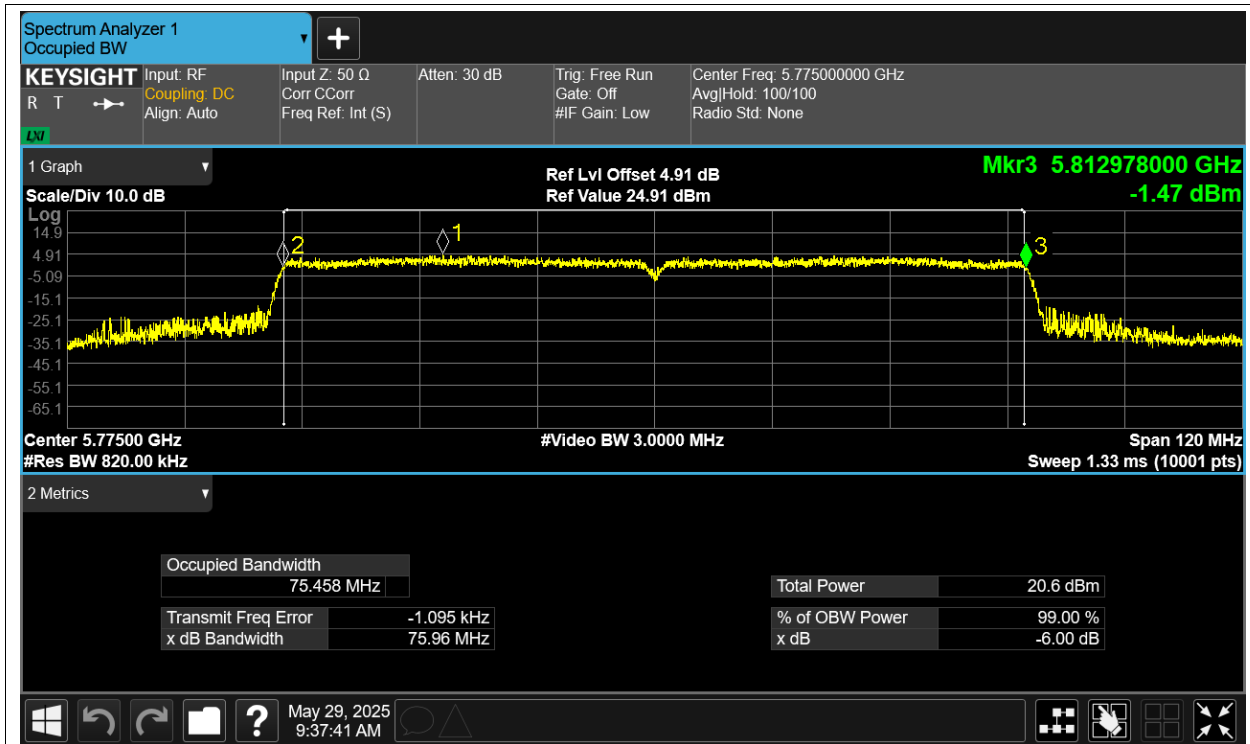
-6dB Bandwidth NVNT ac40 5755MHz Ant1



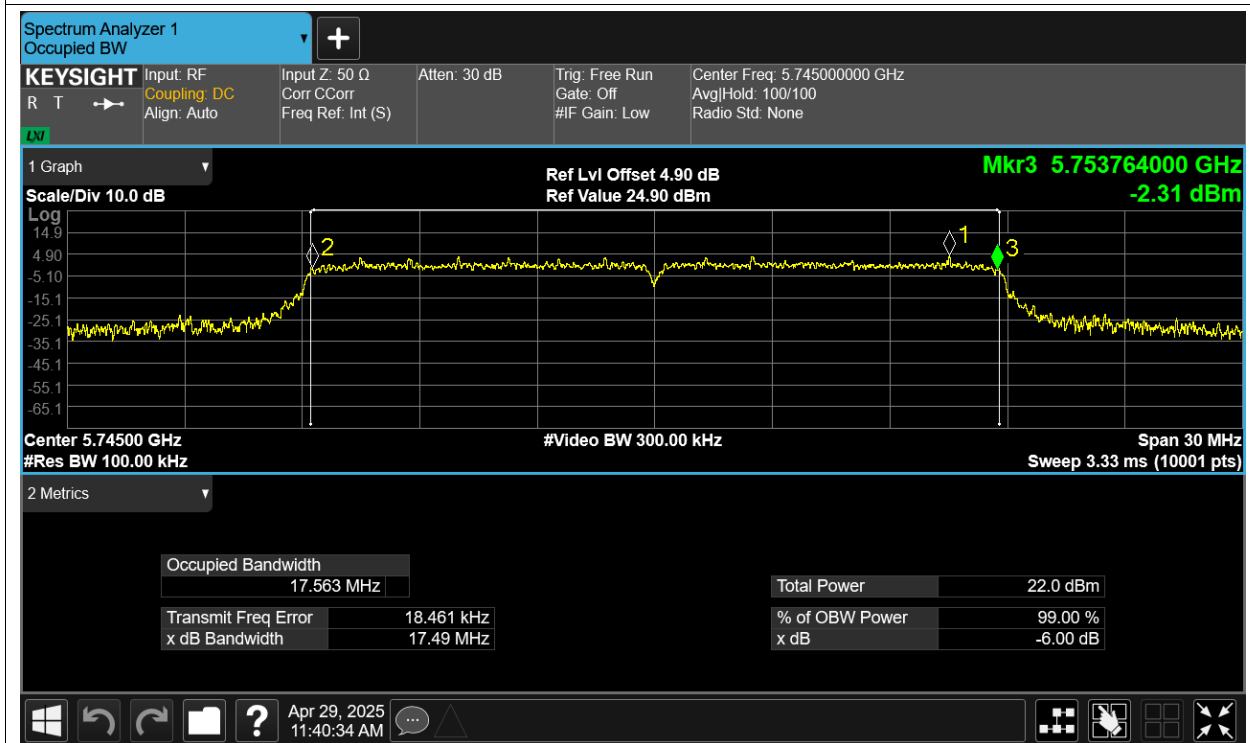
-6dB Bandwidth NVNT ac40 5795MHz Ant1



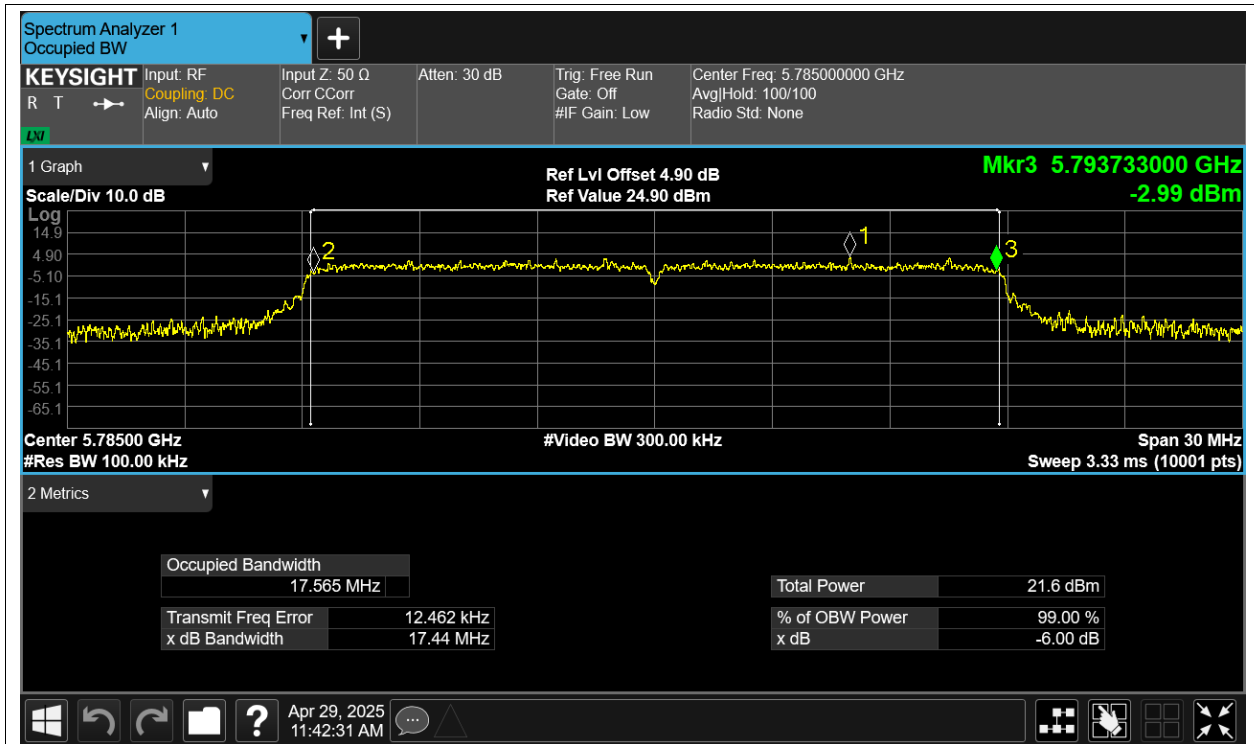
-6dB Bandwidth NVNT ac80 5775MHz Ant1



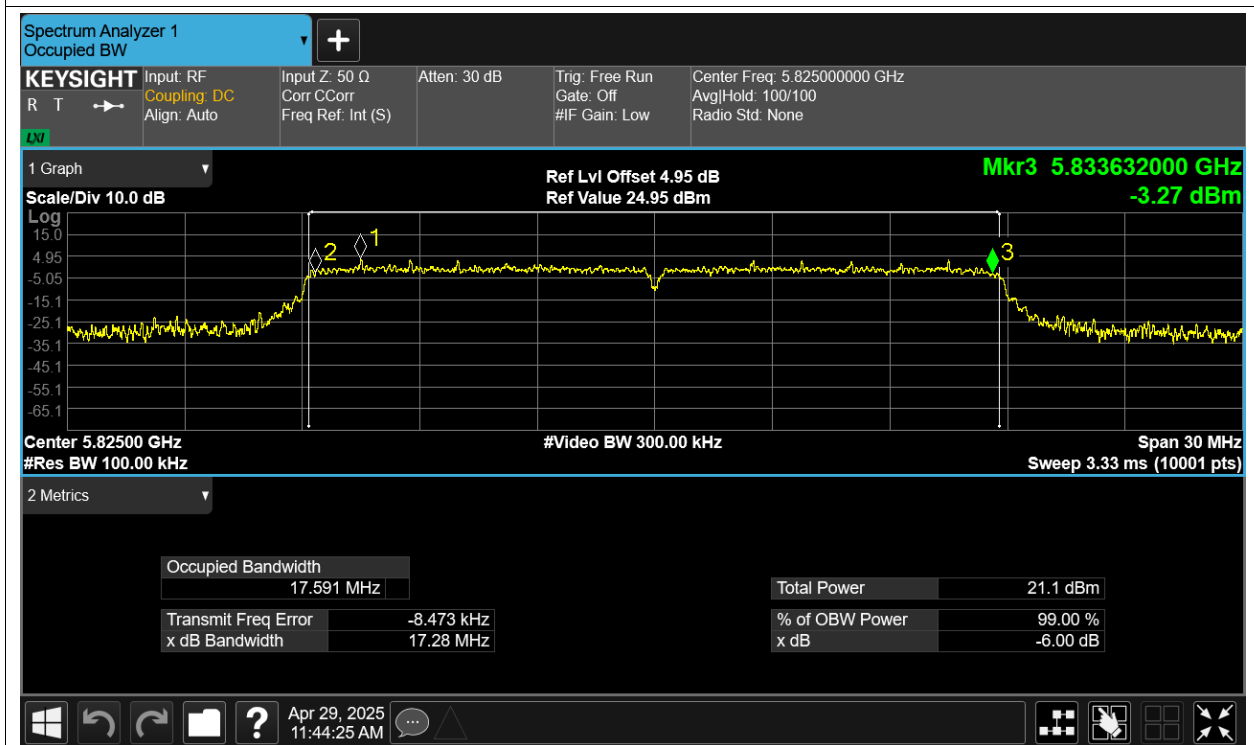
-6dB Bandwidth NVNT n20 5745MHz Ant1



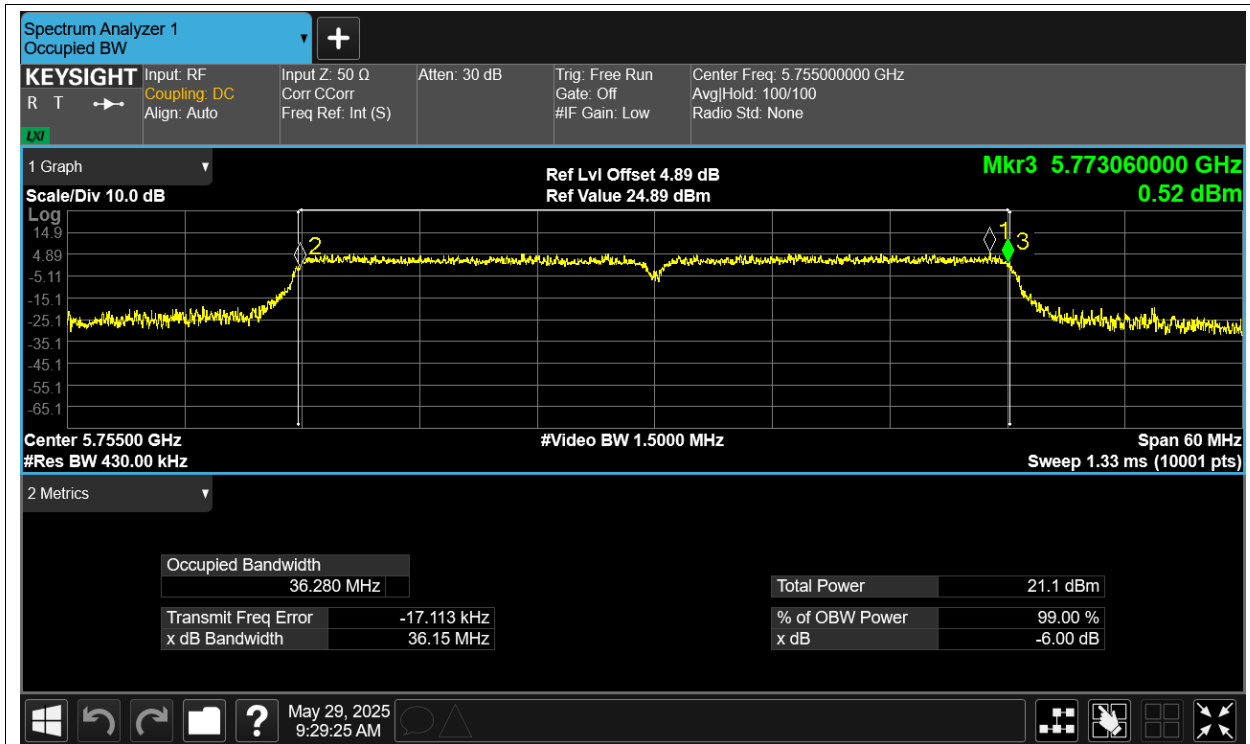
-6dB Bandwidth NVNT n20 5785MHz Ant1



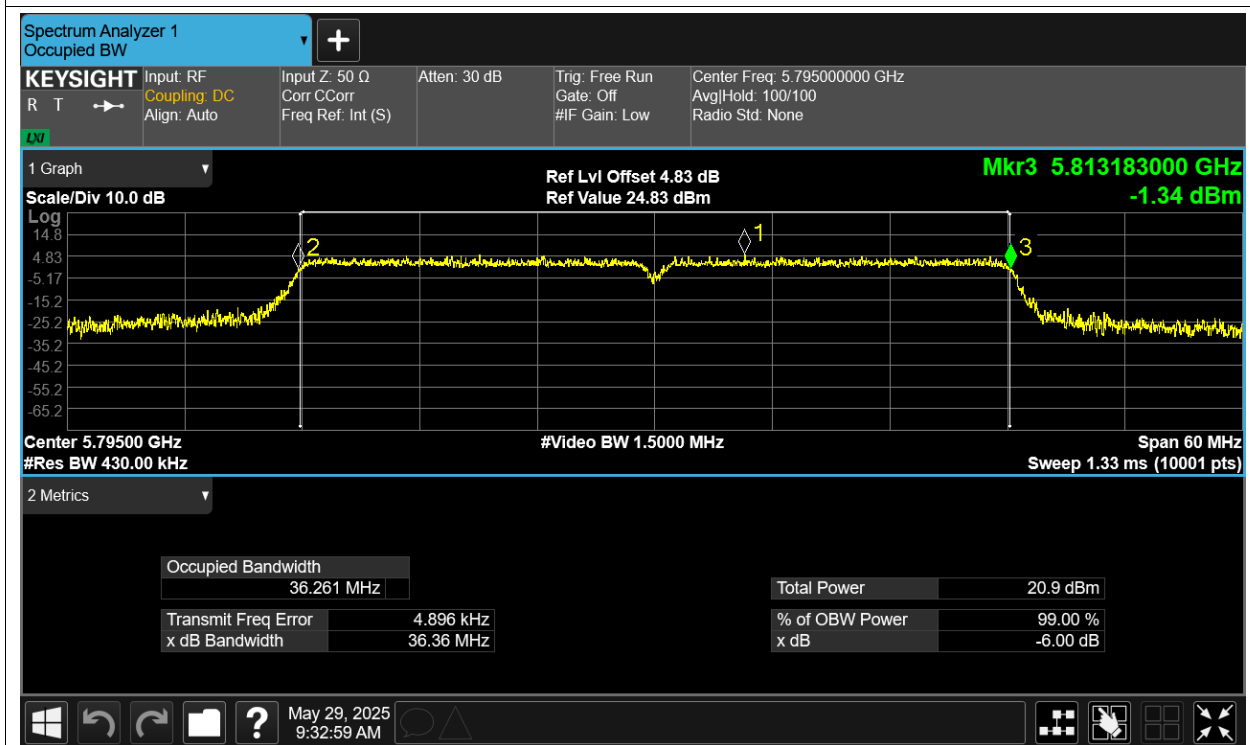
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

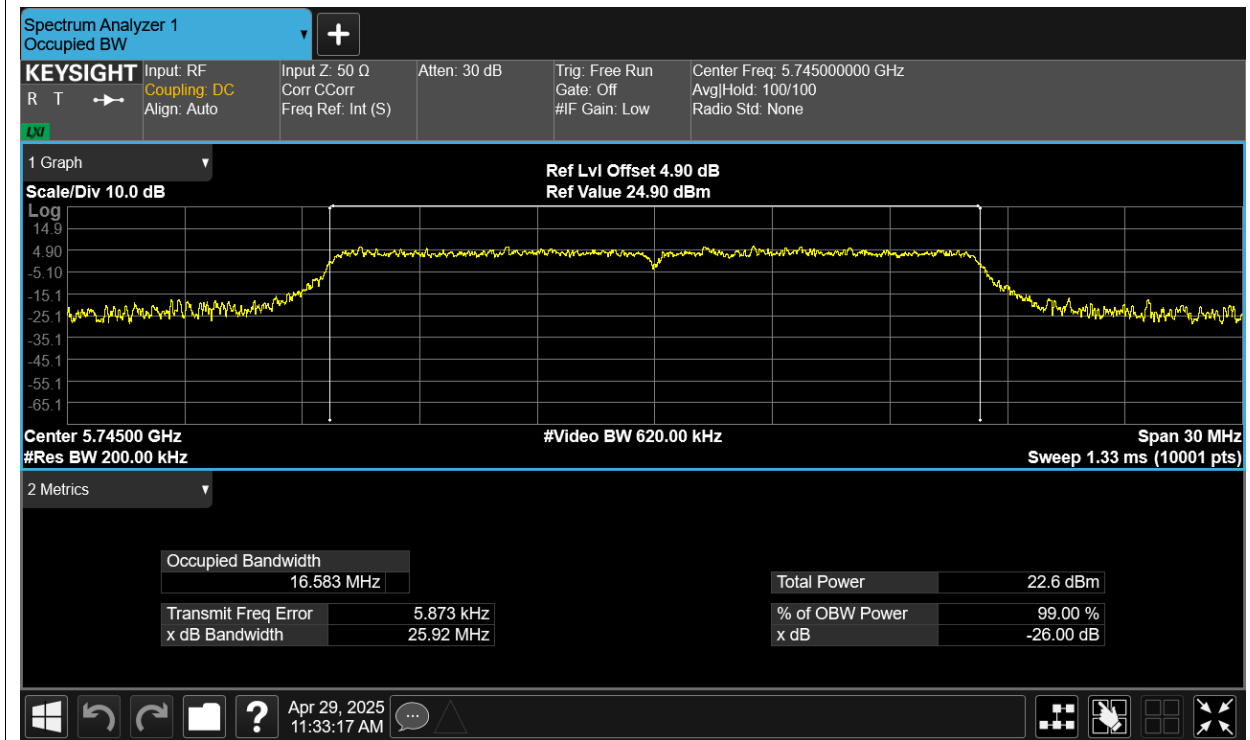


Occupied Channel Bandwidth

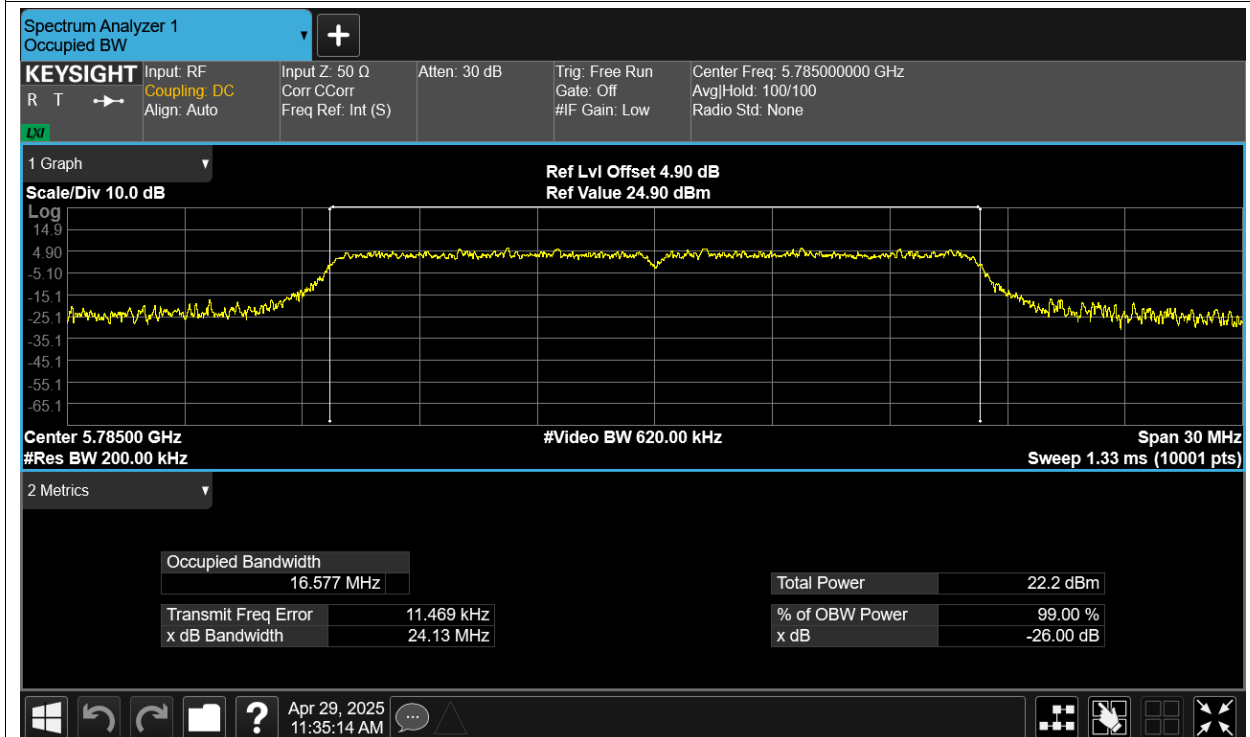
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.583
NVNT	a	5785	Ant1	16.577
NVNT	a	5825	Ant1	16.577
NVNT	ac20	5745	Ant1	17.617
NVNT	ac20	5785	Ant1	17.613
NVNT	ac20	5825	Ant1	17.644
NVNT	ac40	5755	Ant1	36.359
NVNT	ac40	5795	Ant1	36.341
NVNT	ac80	5775	Ant1	75.476
NVNT	n20	5745	Ant1	17.613
NVNT	n20	5785	Ant1	17.639
NVNT	n20	5825	Ant1	17.63
NVNT	n40	5755	Ant1	36.378
NVNT	n40	5795	Ant1	36.279

Test Graphs

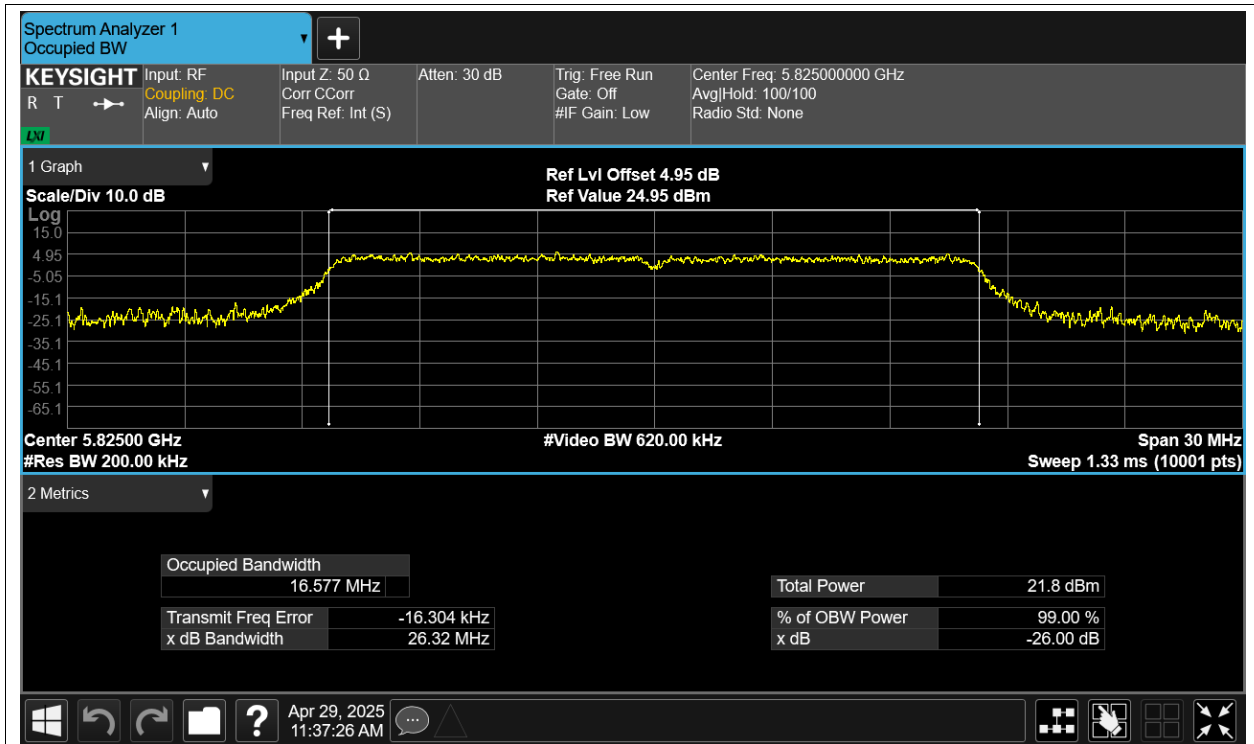
OBW NVNT a 5745MHz Ant1



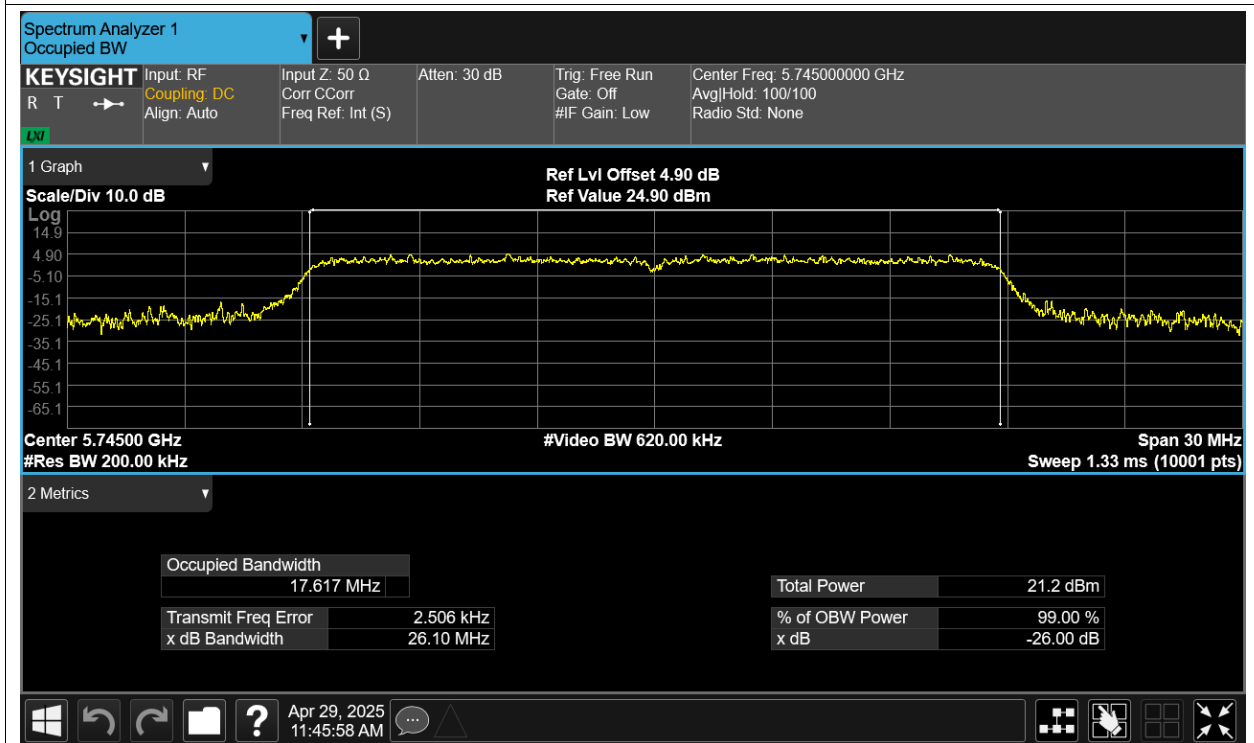
OBW NVNT a 5785MHz Ant1



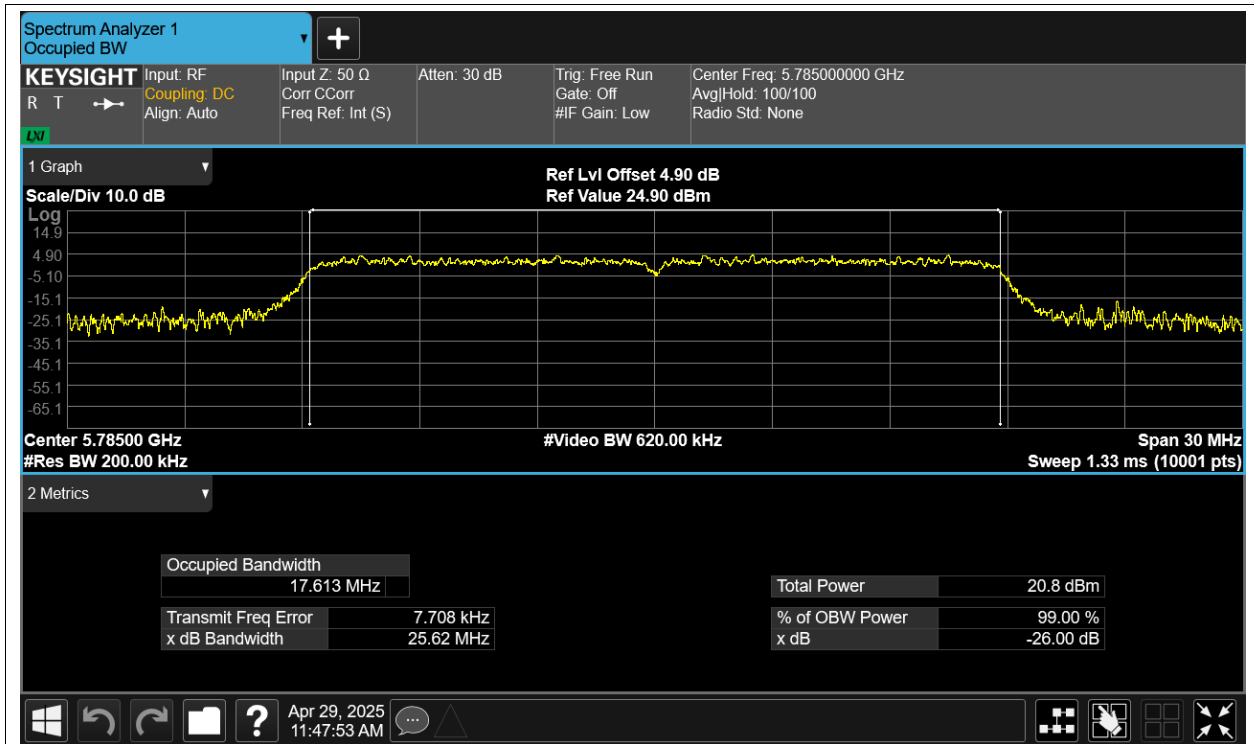
OBW NVNT a 5825MHz Ant1



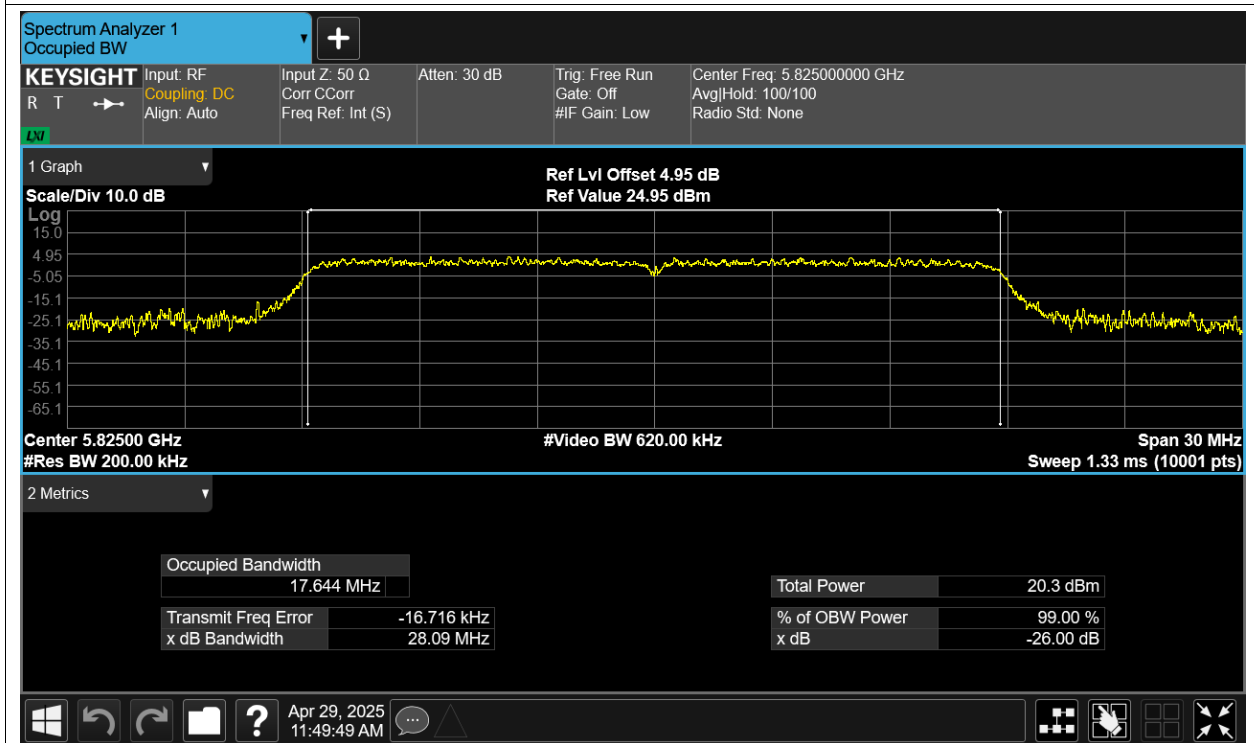
OBW NVNT ac20 5745MHz Ant1



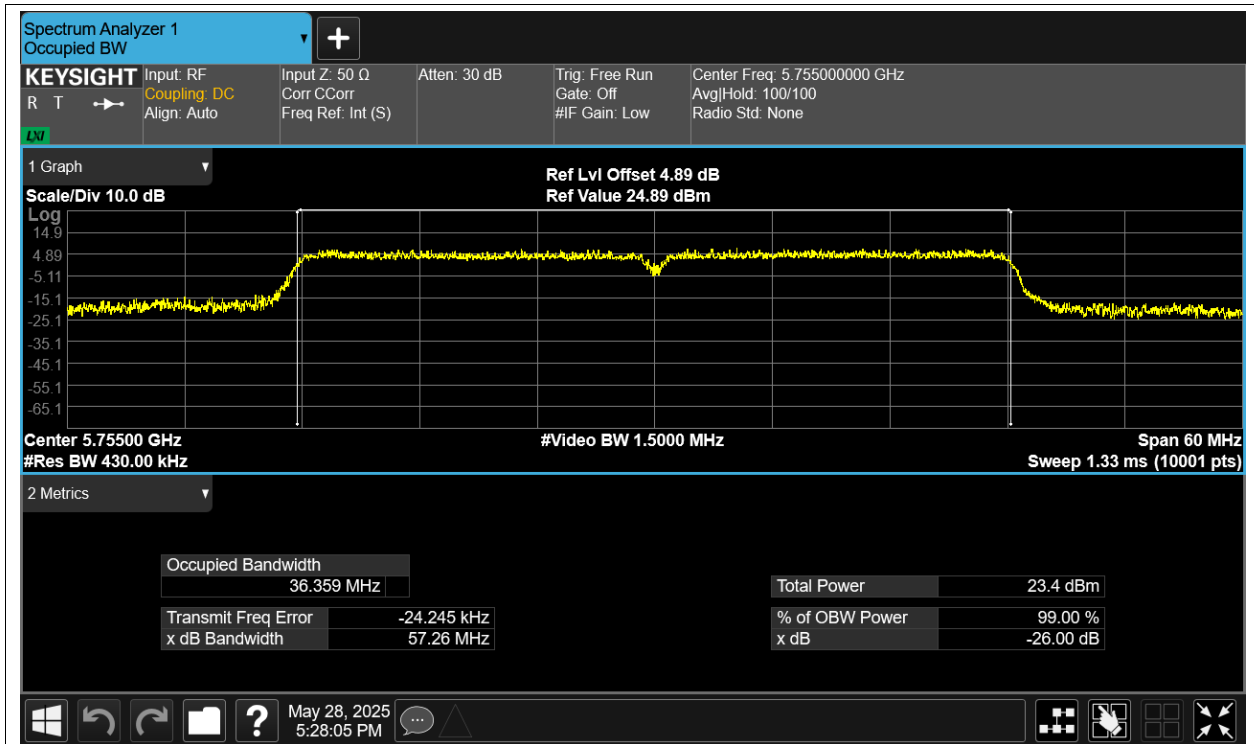
OBW NVNT ac20 5785MHz Ant1



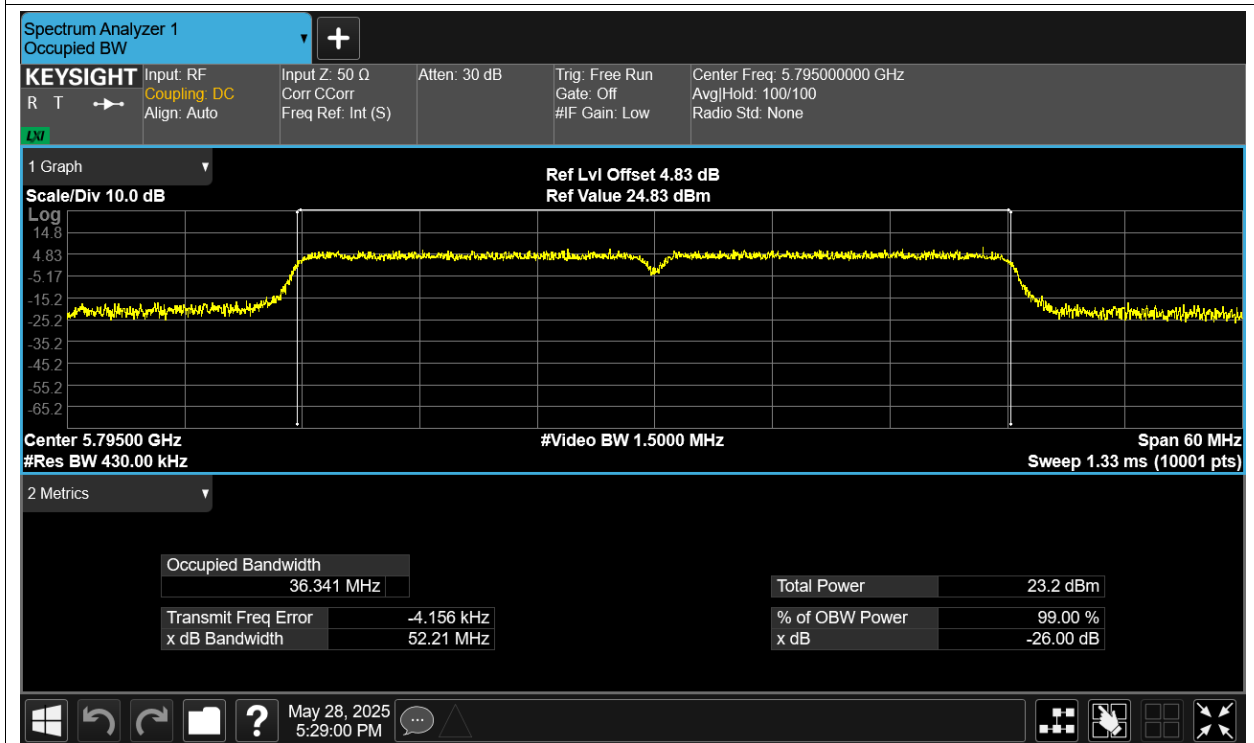
OBW NVNT ac20 5825MHz Ant1



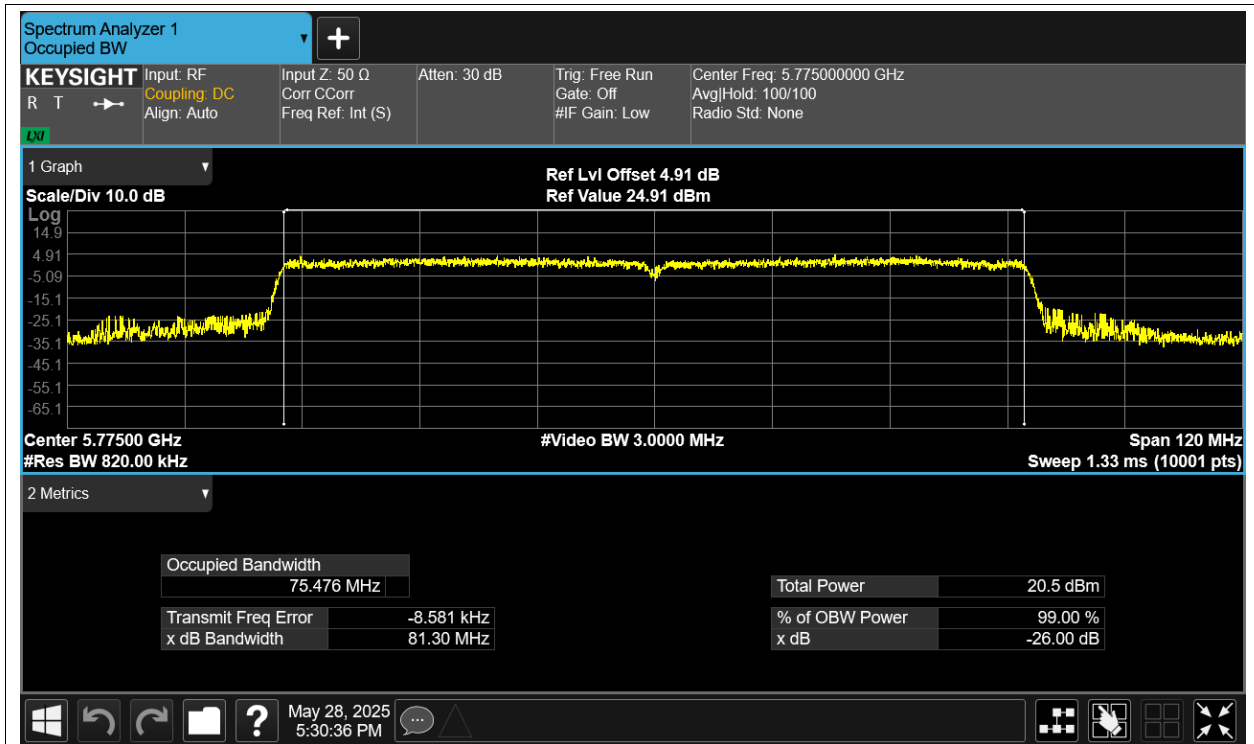
OBW NVNT ac40 5755MHz Ant1



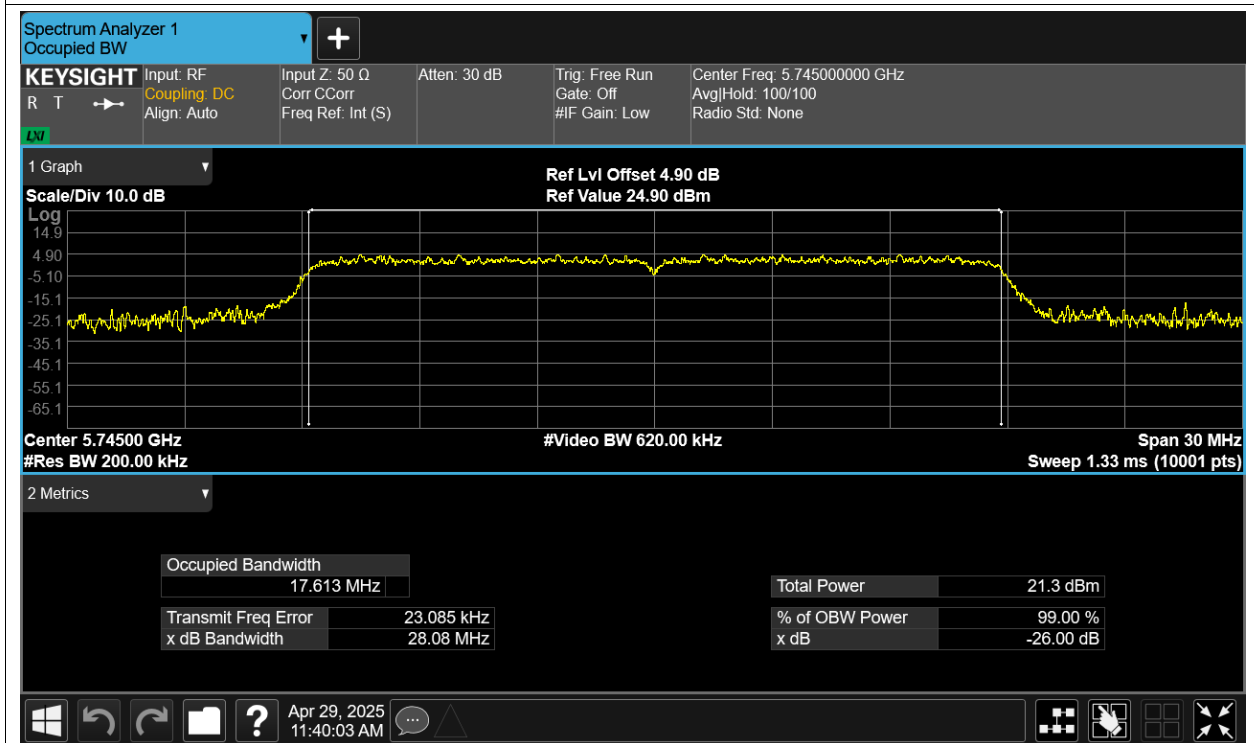
OBW NVNT ac40 5795MHz Ant1



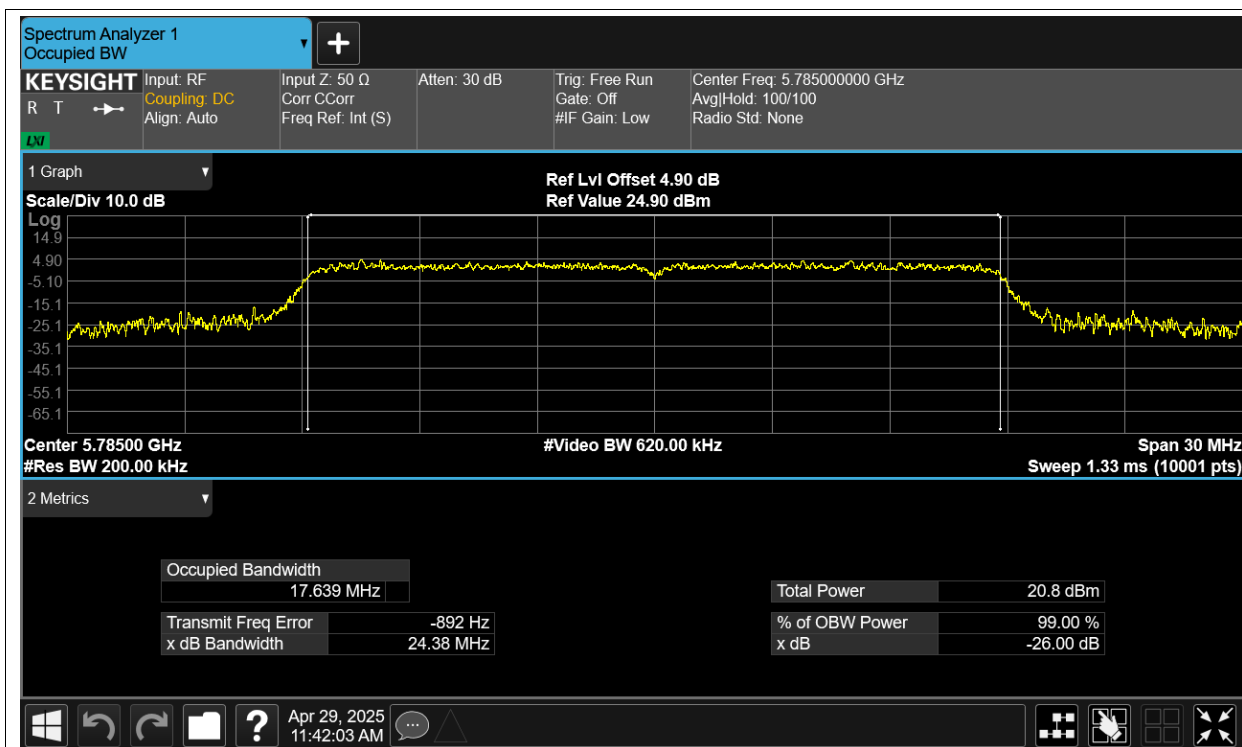
OBW NVNT ac80 5775MHz Ant1



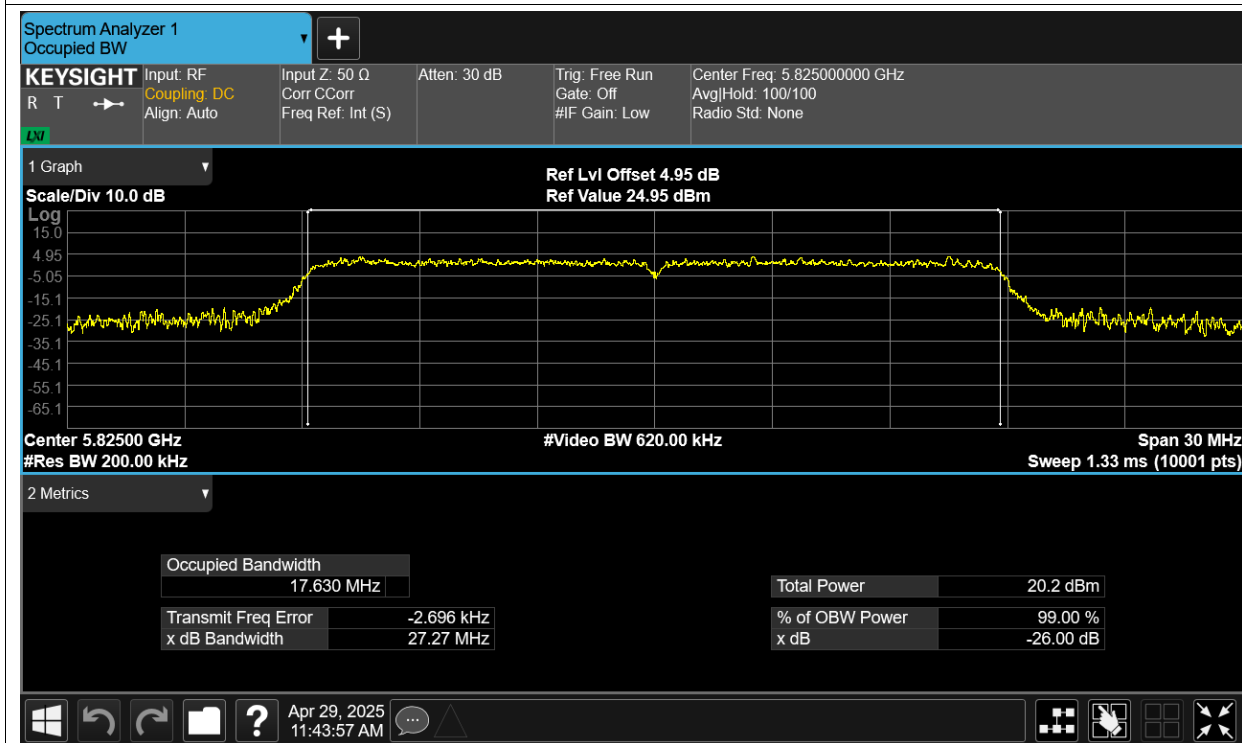
OBW NVNT n20 5745MHz Ant1



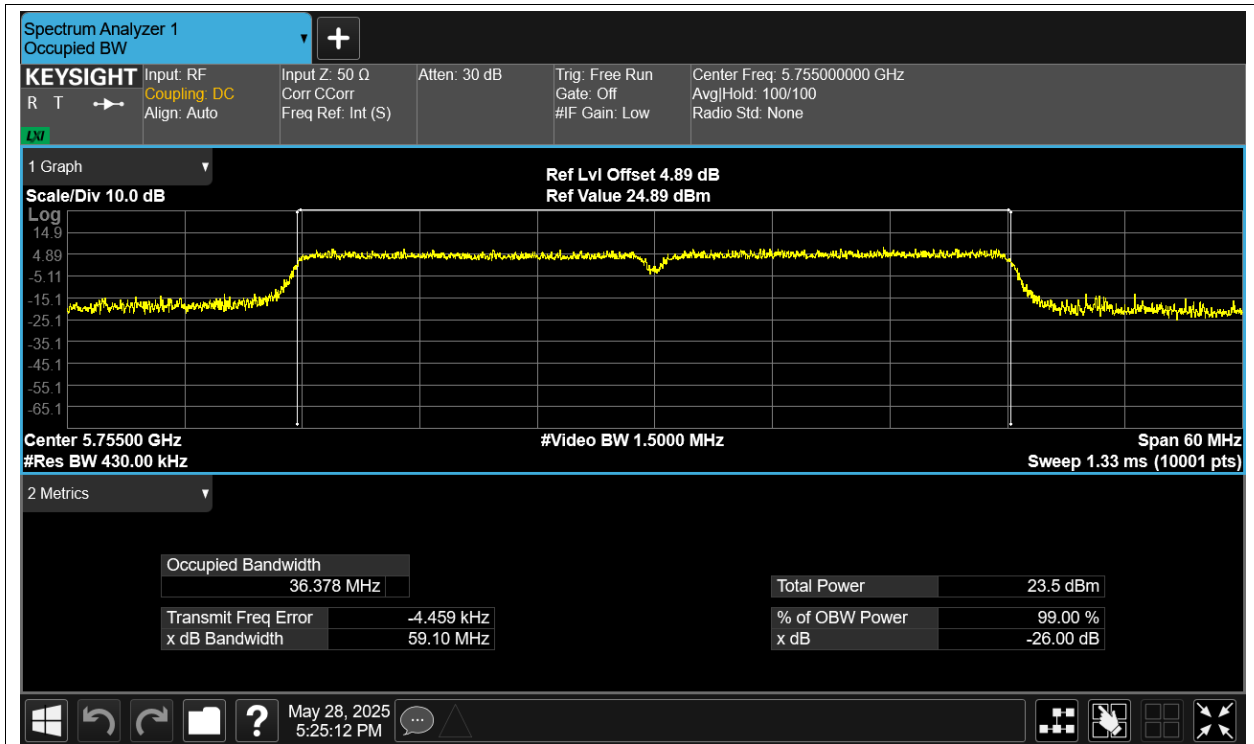
OBW NVNT n20 5785MHz Ant1



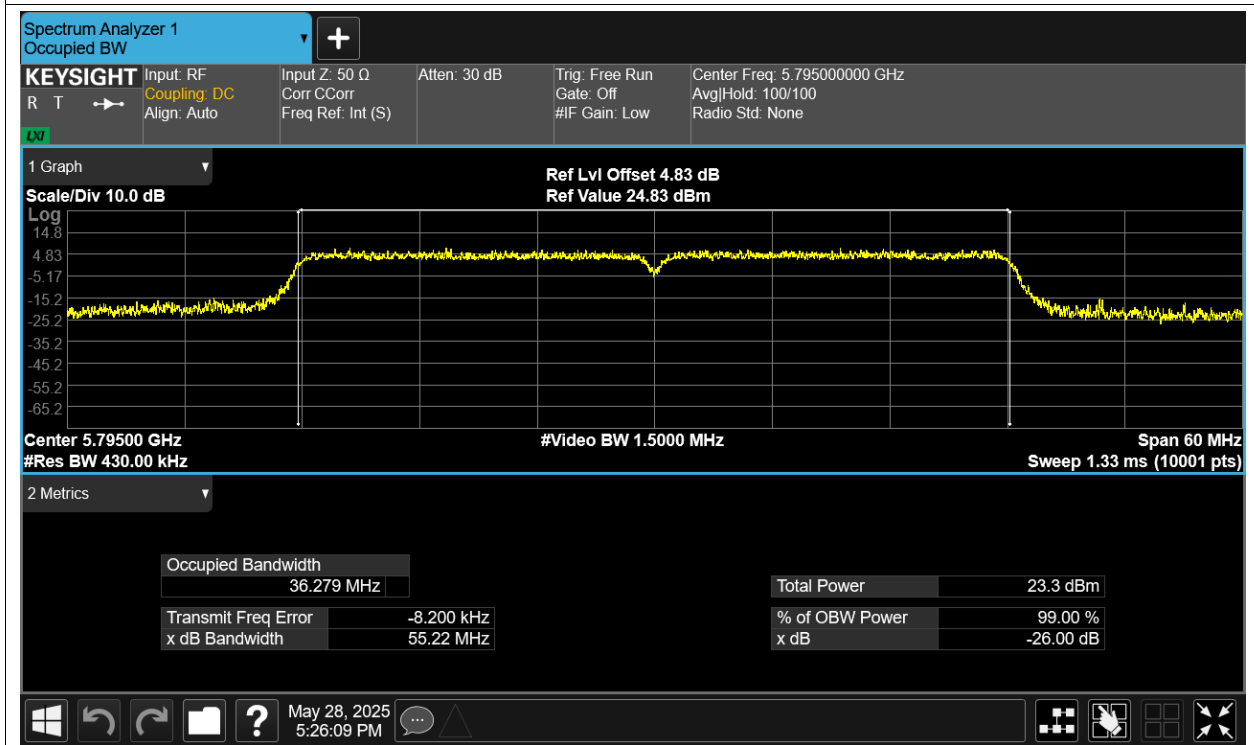
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1

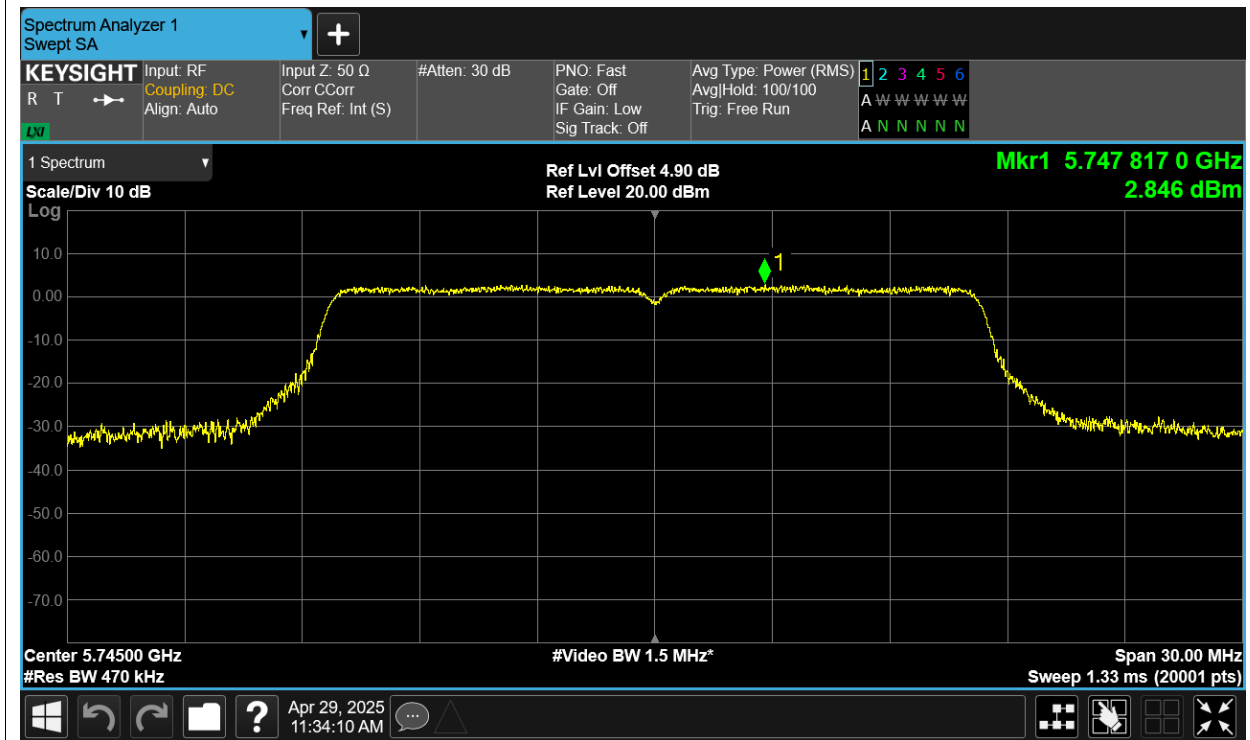


Maximum Power Spectral Density Level

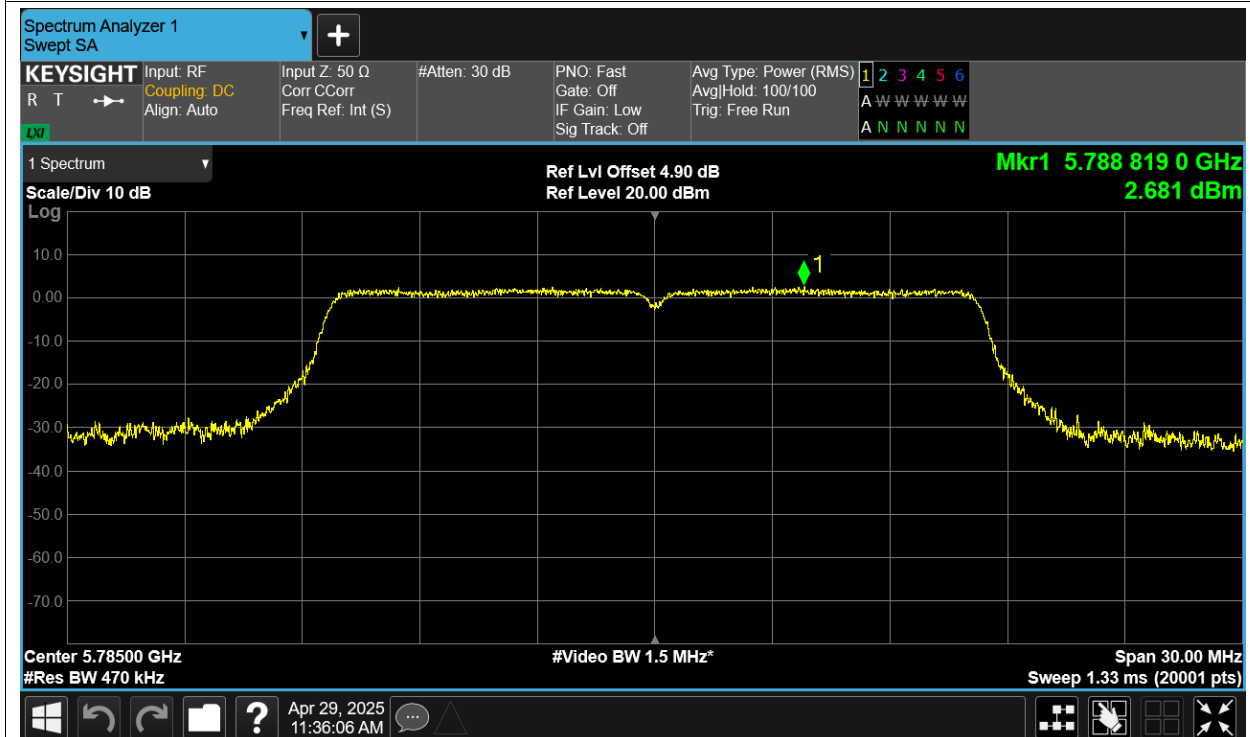
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm) (470KHz)	Correction factor	Max PSD (dBm) (500KHz)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	2.846	0.253	3.099	30	Pass
NVNT	a	5785	Ant1	2.681	0.253	2.934	30	Pass
NVNT	a	5825	Ant1	2.26	0.253	2.513	30	Pass
NVNT	ac20	5745	Ant1	1.525	0.253	1.778	30	Pass
NVNT	ac20	5785	Ant1	0.88	0.253	1.133	30	Pass
NVNT	ac20	5825	Ant1	0.737	0.253	0.99	30	Pass
NVNT	ac40	5755	Ant1	-1.744	0.253	-1.491	30	Pass
NVNT	ac40	5795	Ant1	-2.366	0.253	-2.113	30	Pass
NVNT	ac80	5775	Ant1	-6.092	0.253	-5.839	30	Pass
NVNT	n20	5745	Ant1	1.344	0.253	1.597	30	Pass
NVNT	n20	5785	Ant1	0.852	0.253	1.105	30	Pass
NVNT	n20	5825	Ant1	0.445	0.253	0.698	30	Pass
NVNT	n40	5755	Ant1	-1.637	0.253	-1.384	30	Pass
NVNT	n40	5795	Ant1	-2.308	0.253	-2.055	30	Pass
Correction factor for 500KHz = $10\lg(BW_{\text{Reference}}/BW_{\text{Measured}}) = 0.253$								

Test Graphs

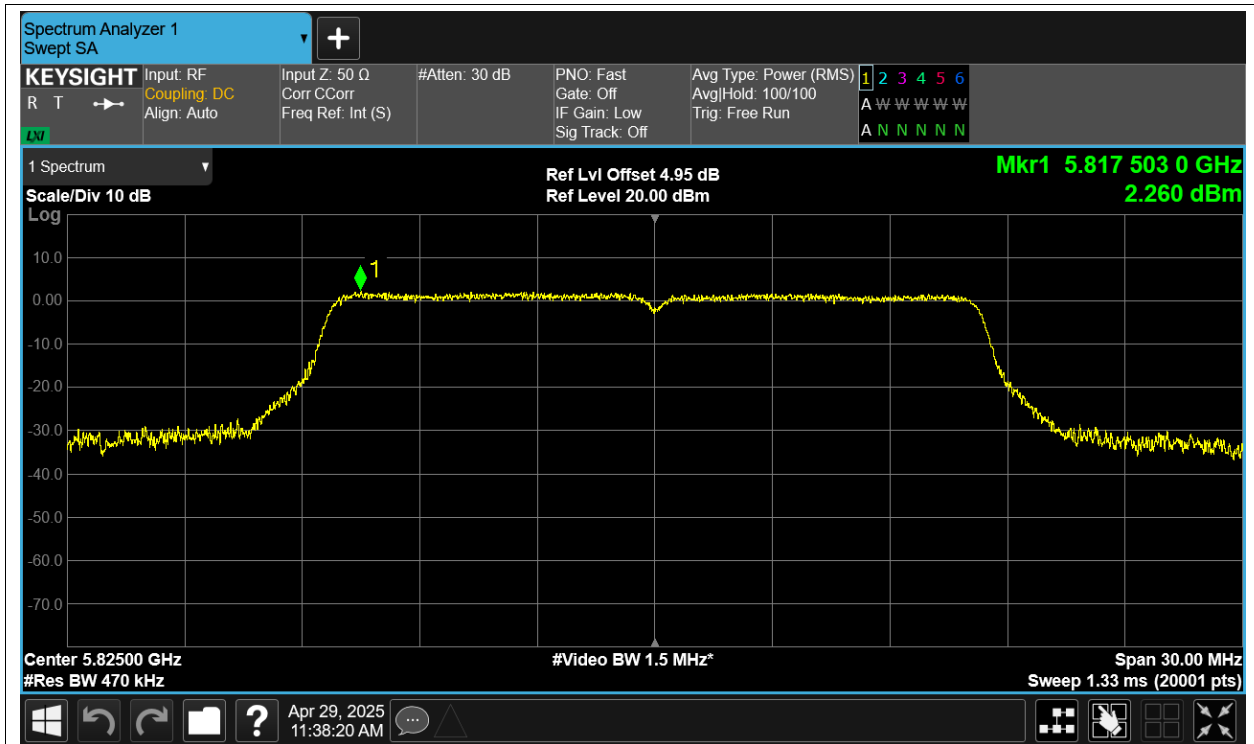
PSD NVNT a 5745MHz Ant1



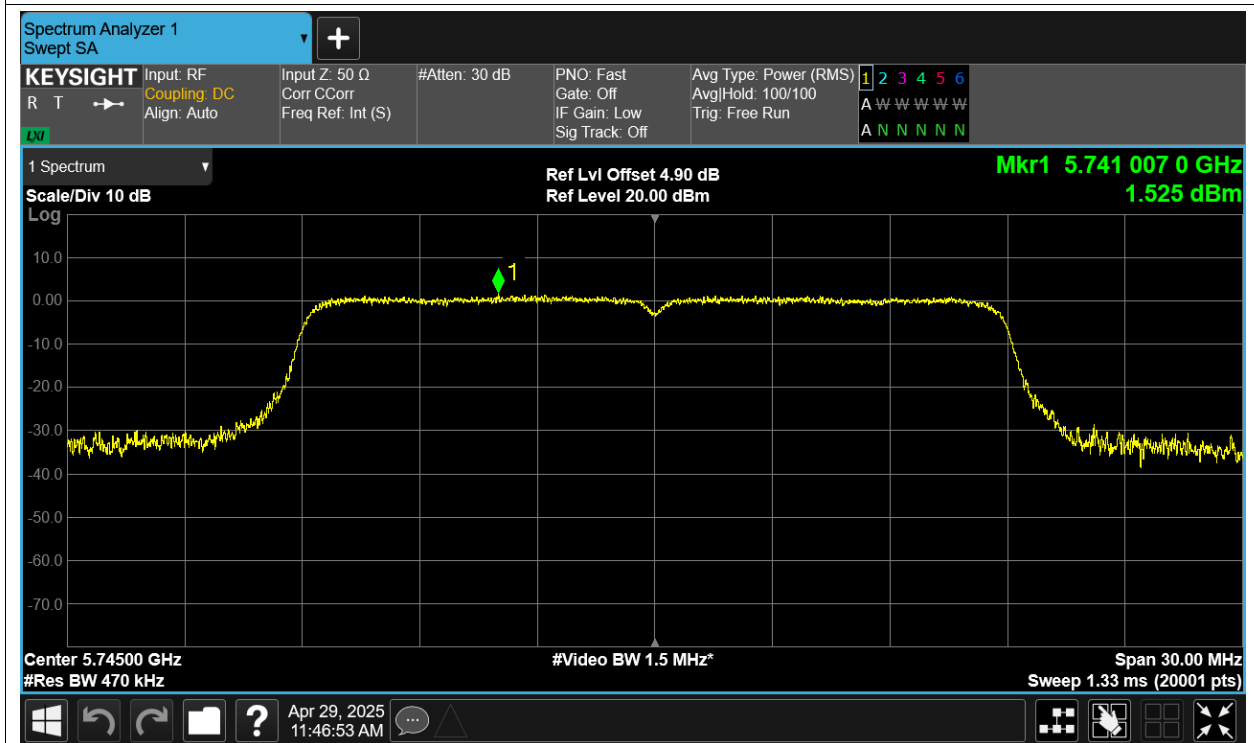
PSD NVNT a 5785MHz Ant1



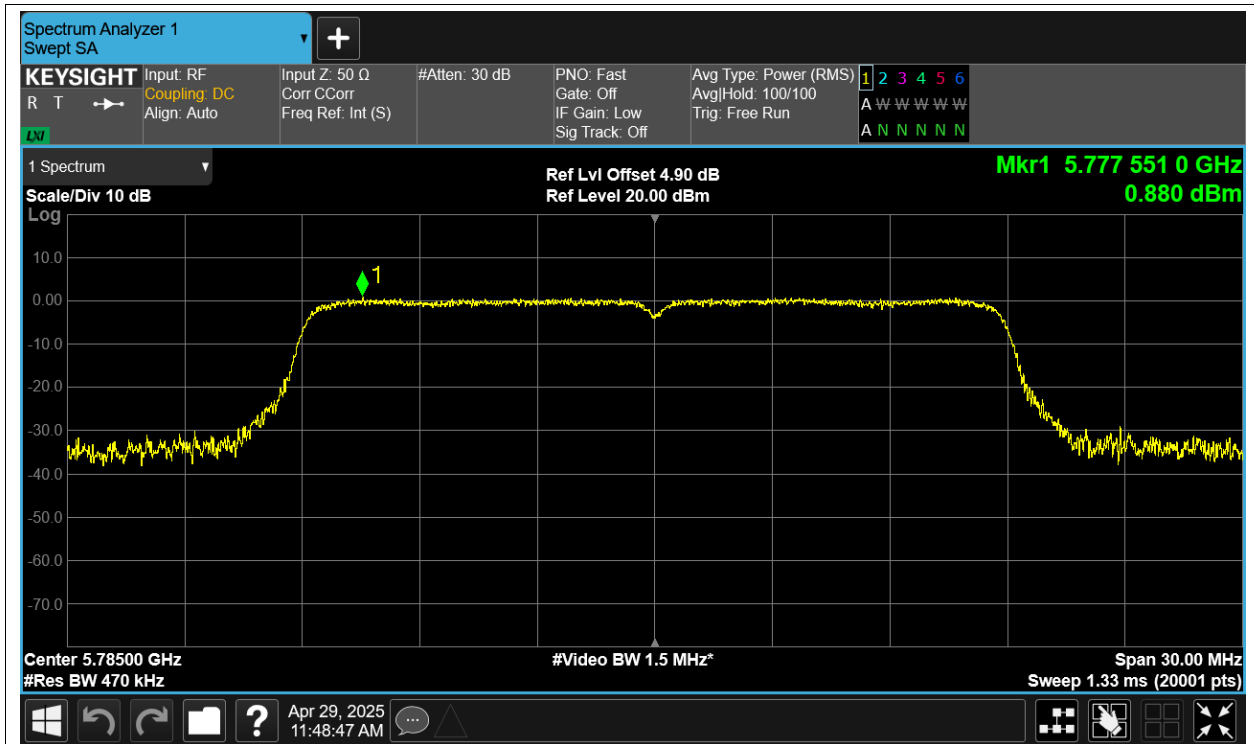
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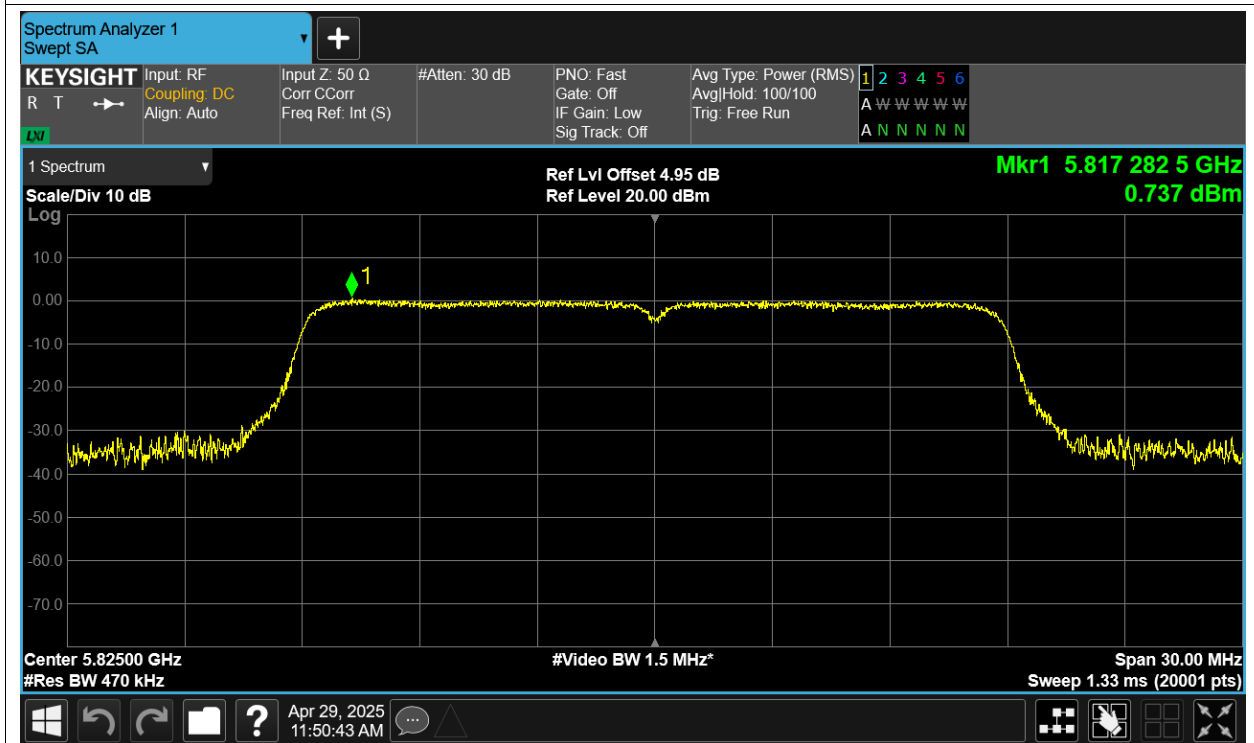
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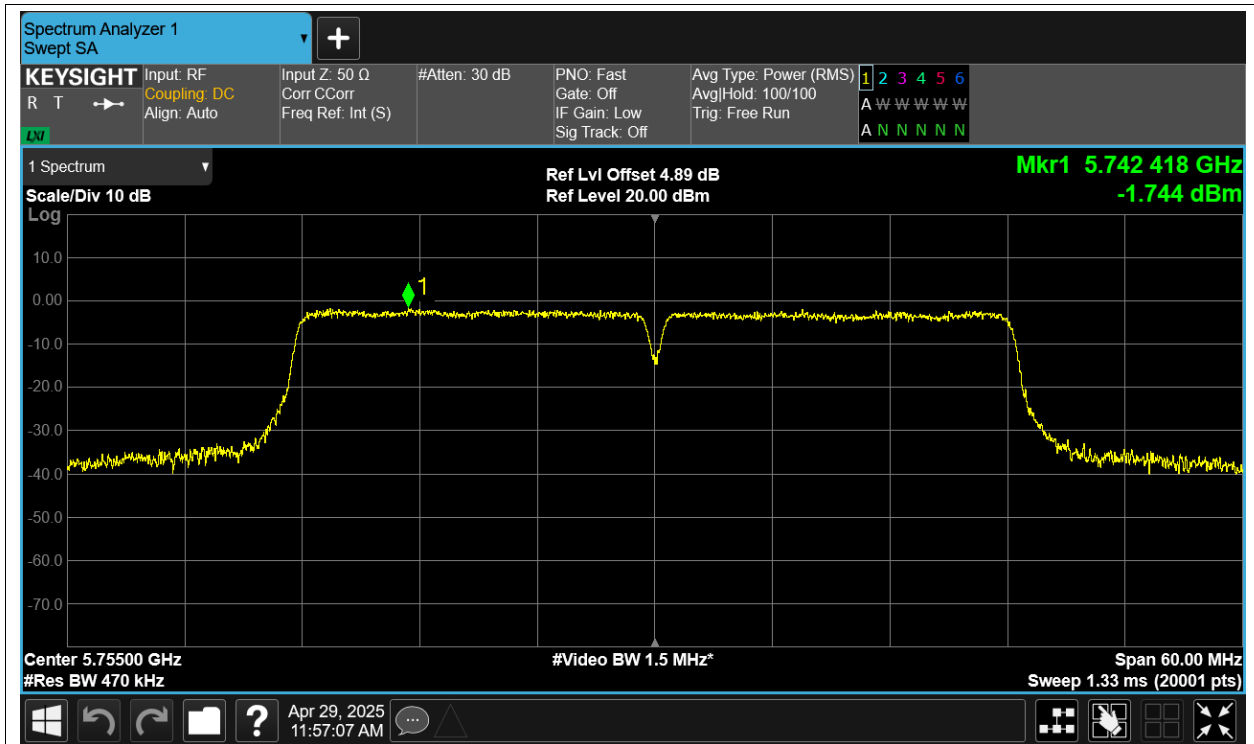
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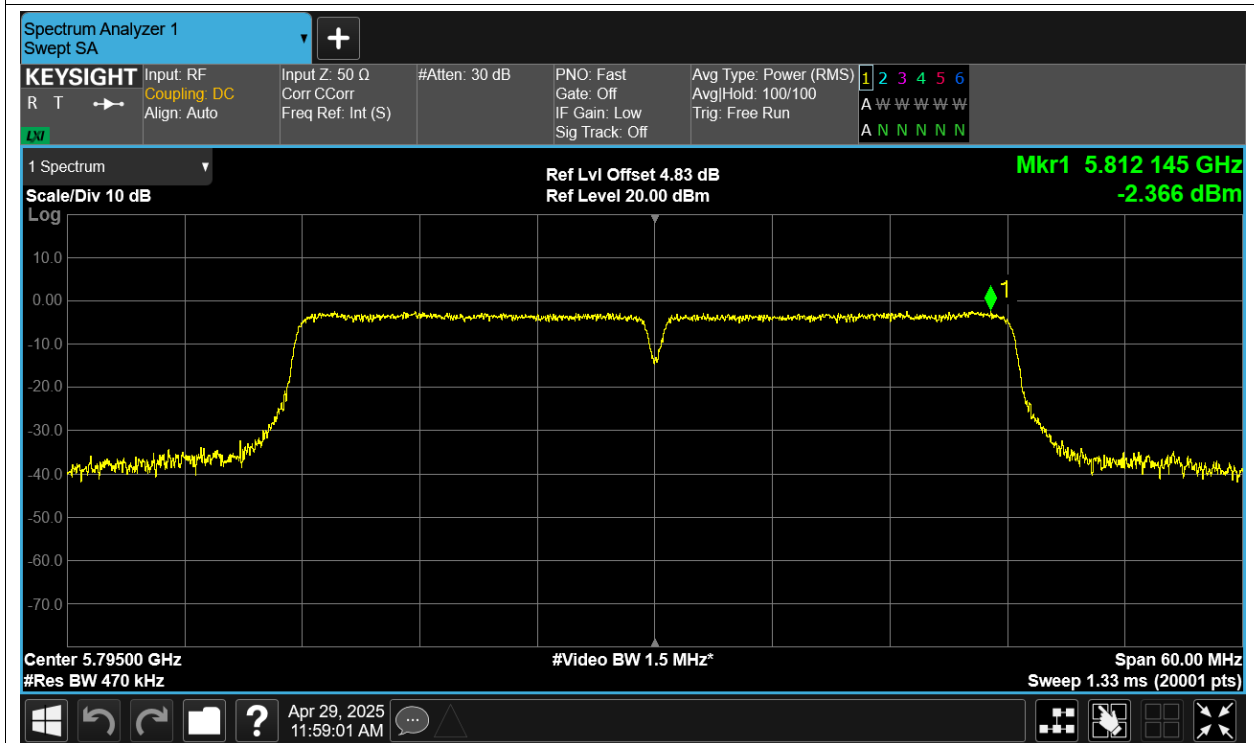
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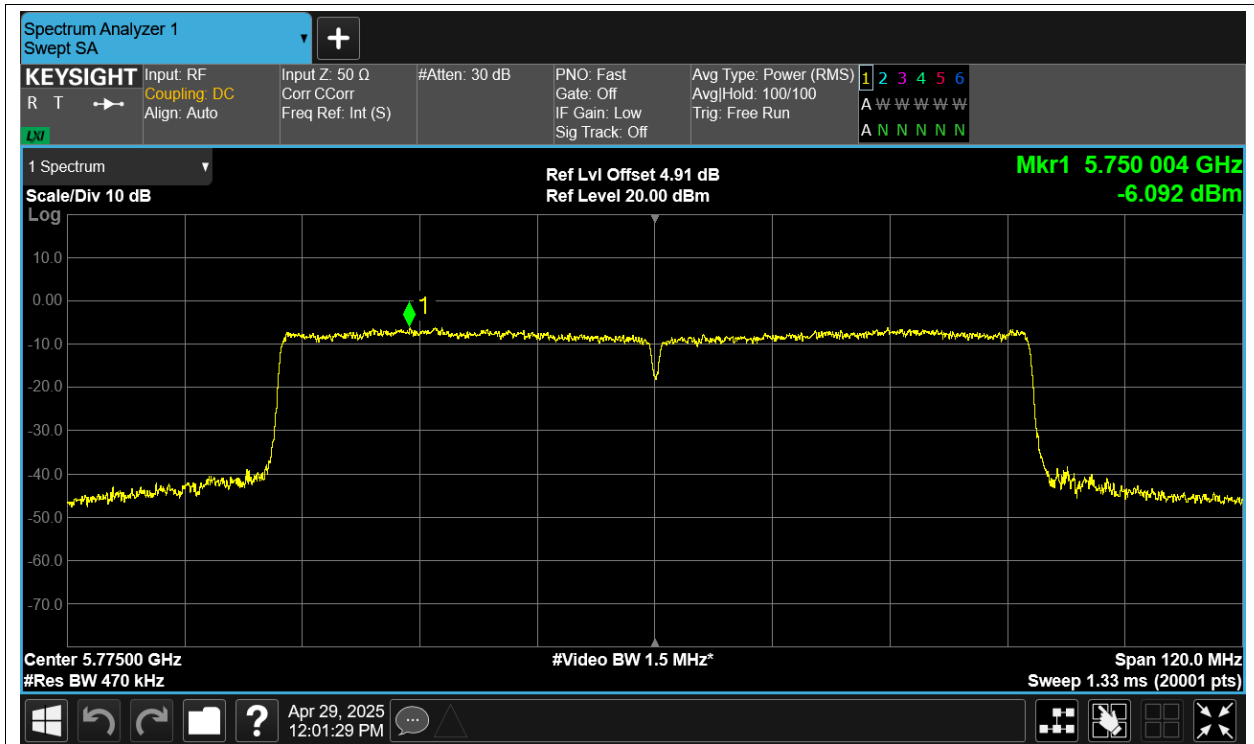
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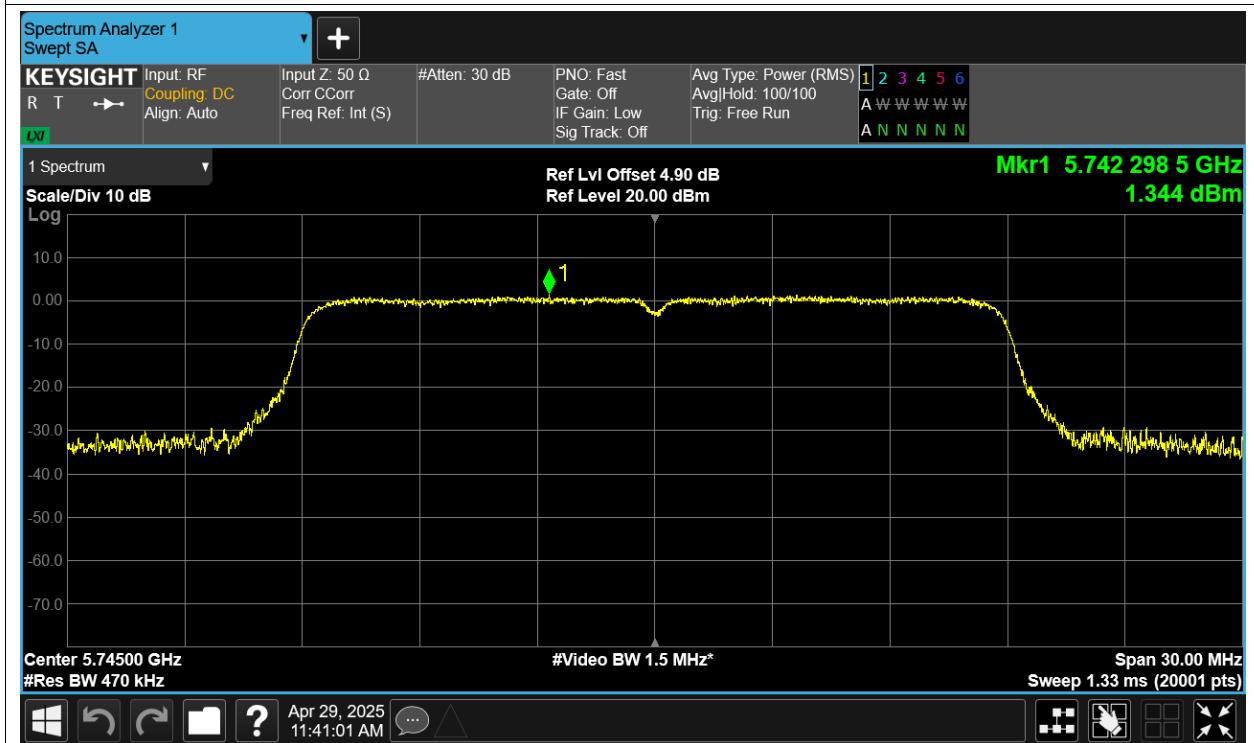
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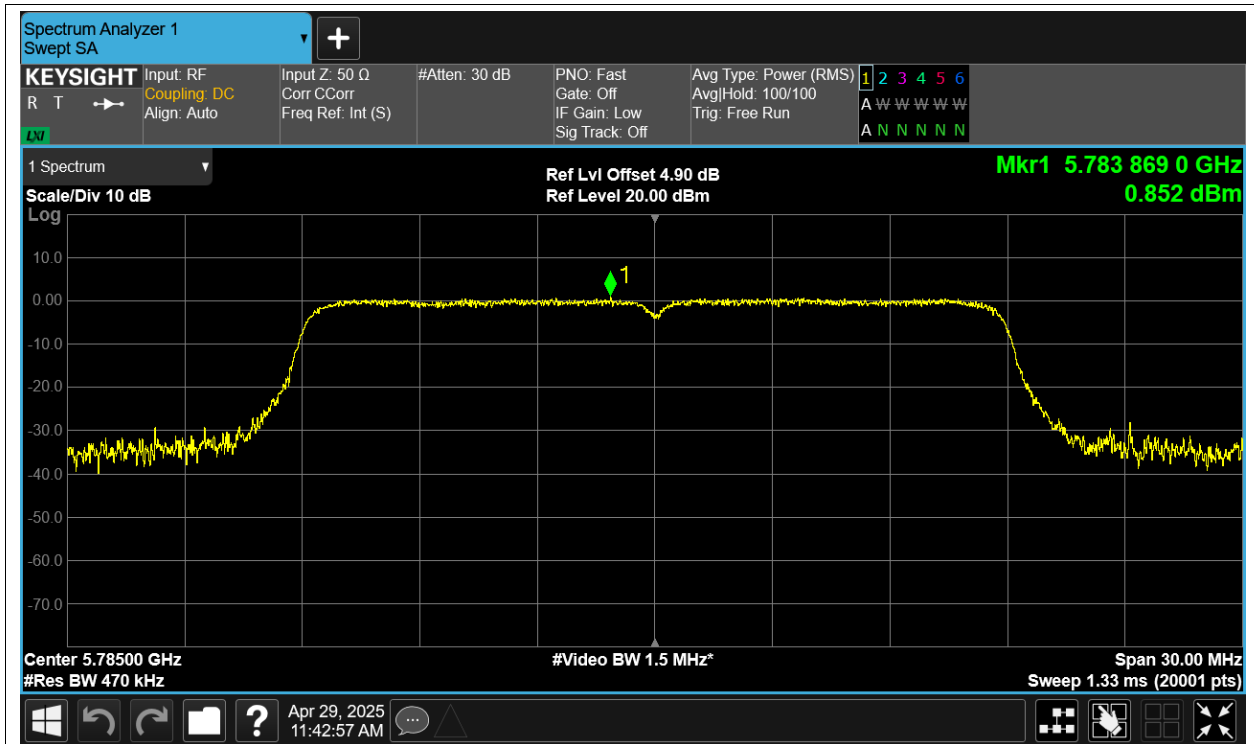
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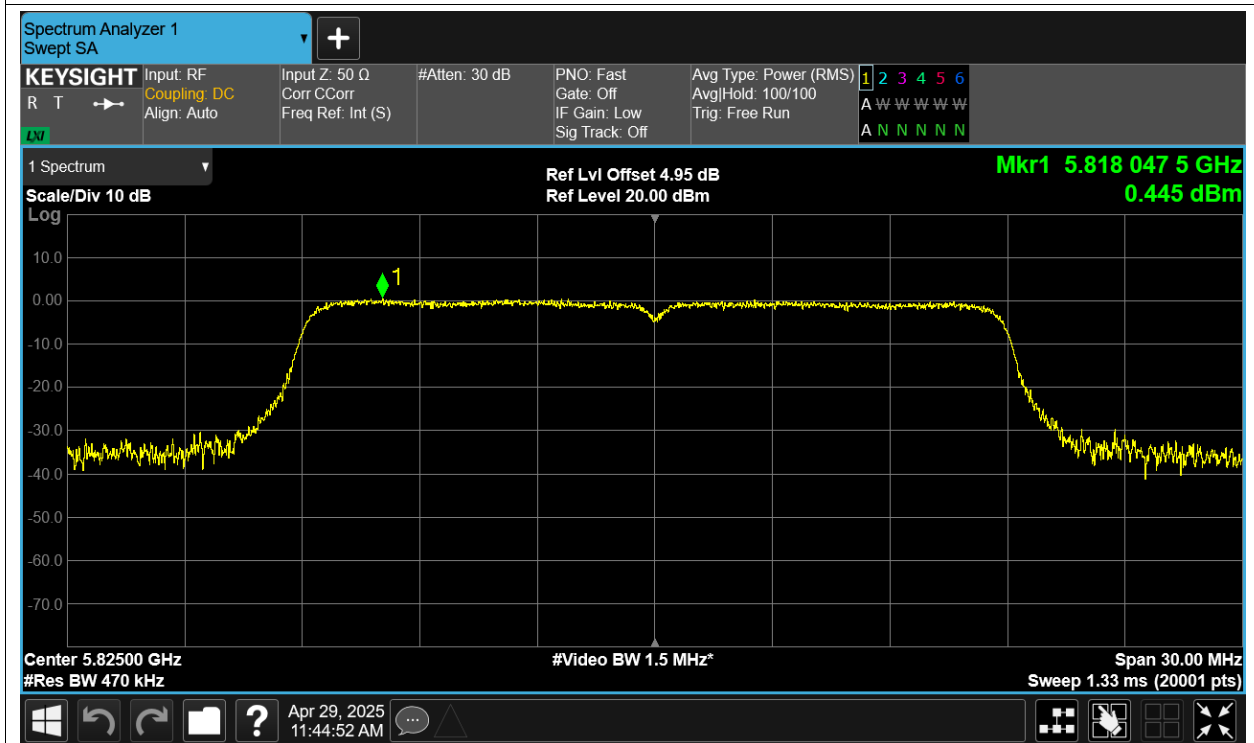
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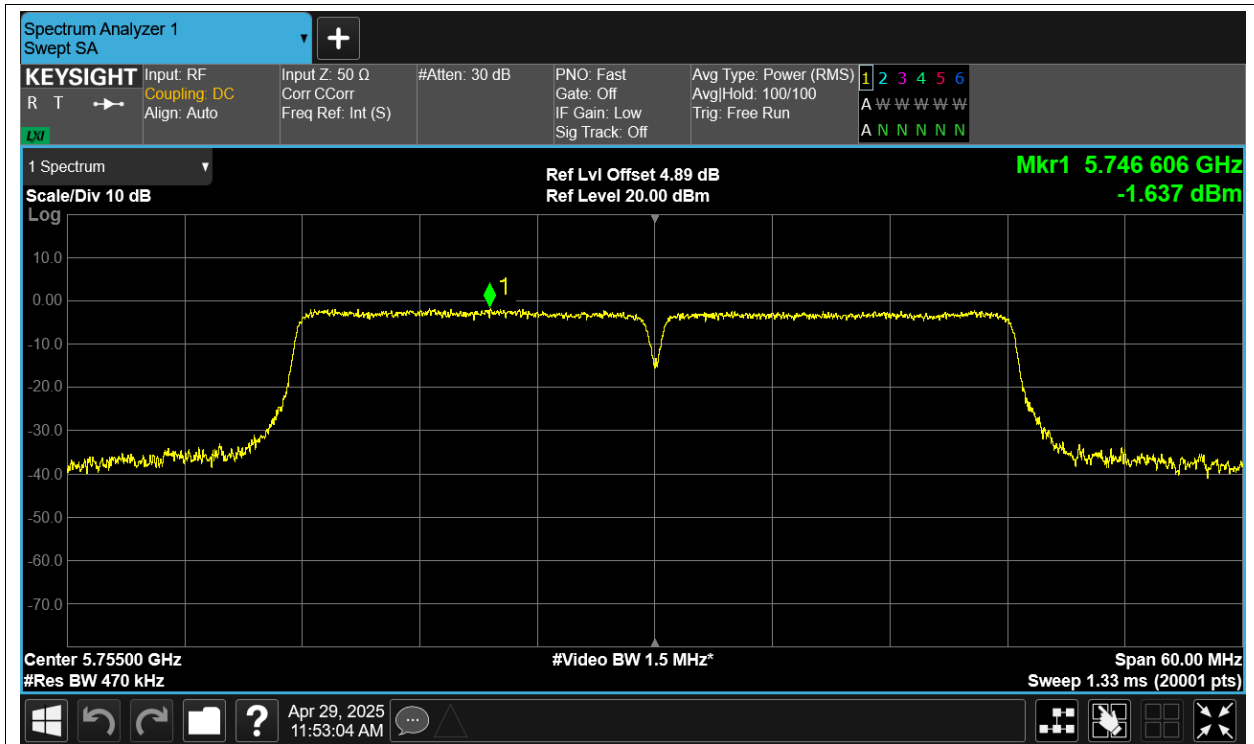
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PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

