

Test Data

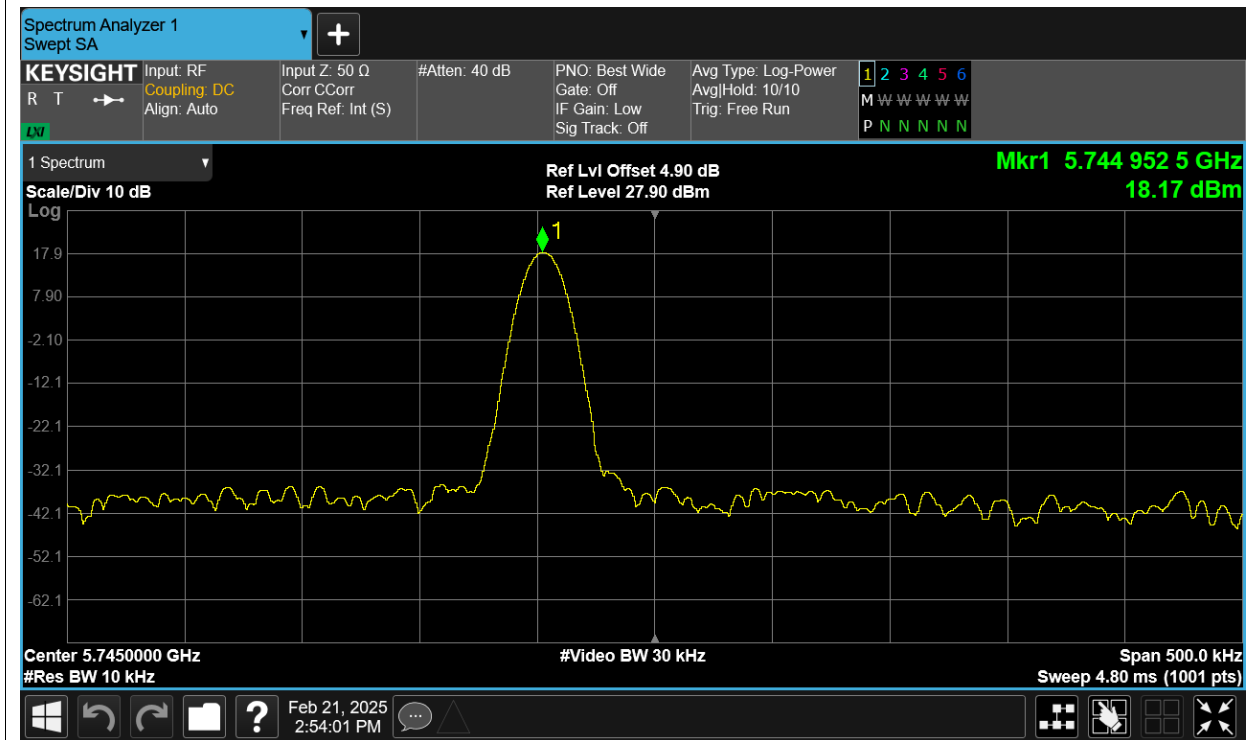
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5745	Ant1	5744.9525	-8.27	25	Pass
LVNT	a	5745	Ant1	5744.952	-8.36	25	Pass
NVHT	a	5745	Ant1	5744.951	-8.53	25	Pass
NVLT	a	5745	Ant1	5744.9485	-8.96	25	Pass
NVNT	a	5745	Ant1	5744.95	-8.7	25	Pass
HVNT	ac80	5775	Ant1	5774.9555	-7.71	25	Pass
LVNT	ac80	5775	Ant1	5774.955	-7.79	25	Pass
NVHT	ac80	5775	Ant1	5774.9545	-7.88	25	Pass
NVLT	ac80	5775	Ant1	5774.9535	-8.05	25	Pass
NVNT	ac80	5775	Ant1	5774.951	-8.48	25	Pass
HVNT	n40	5755	Ant1	5754.955	-7.82	25	Pass
LVNT	n40	5755	Ant1	5754.9545	-7.91	25	Pass
NVHT	n40	5755	Ant1	5754.9535	-8.08	25	Pass
NVLT	n40	5755	Ant1	5754.9525	-8.25	25	Pass
NVNT	n40	5755	Ant1	5754.9505	-8.6	25	Pass

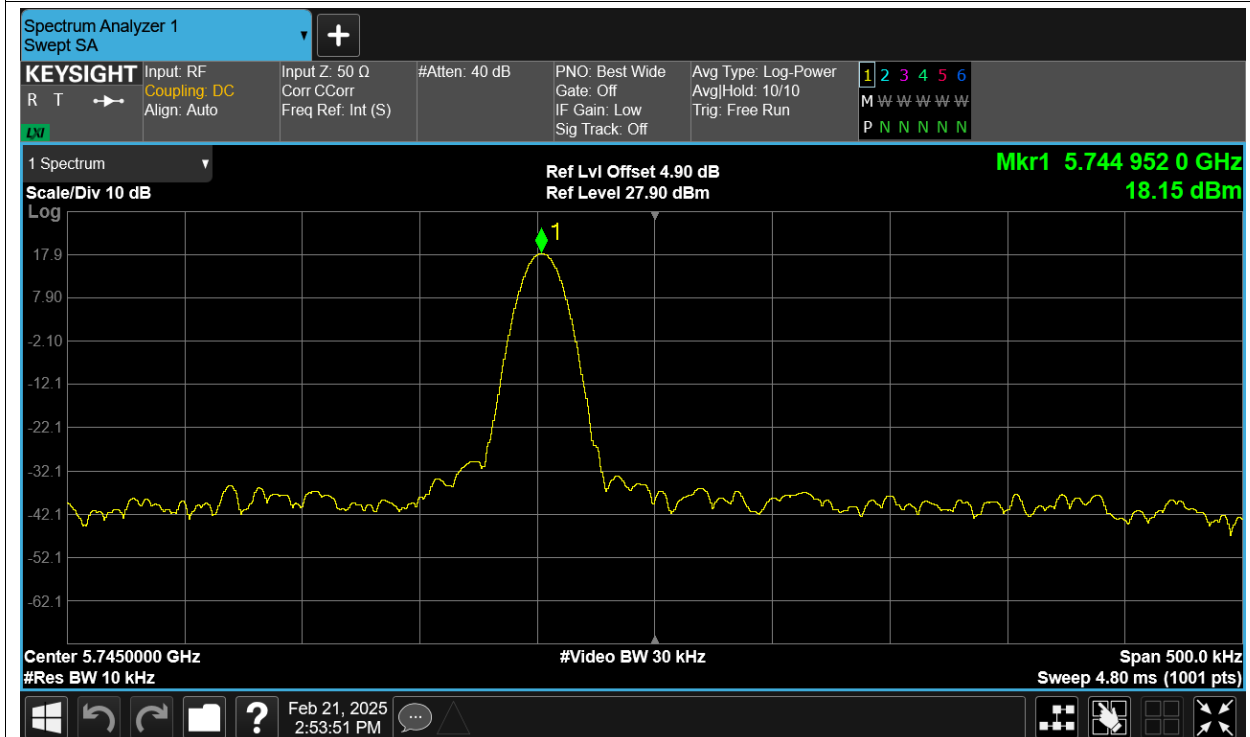
Note: Pre scan all modulation mode, it was found that a, n40, and ac80 are the worst-case under the same bandwidth and only the worst modes were reflected in the report.

Test Graphs

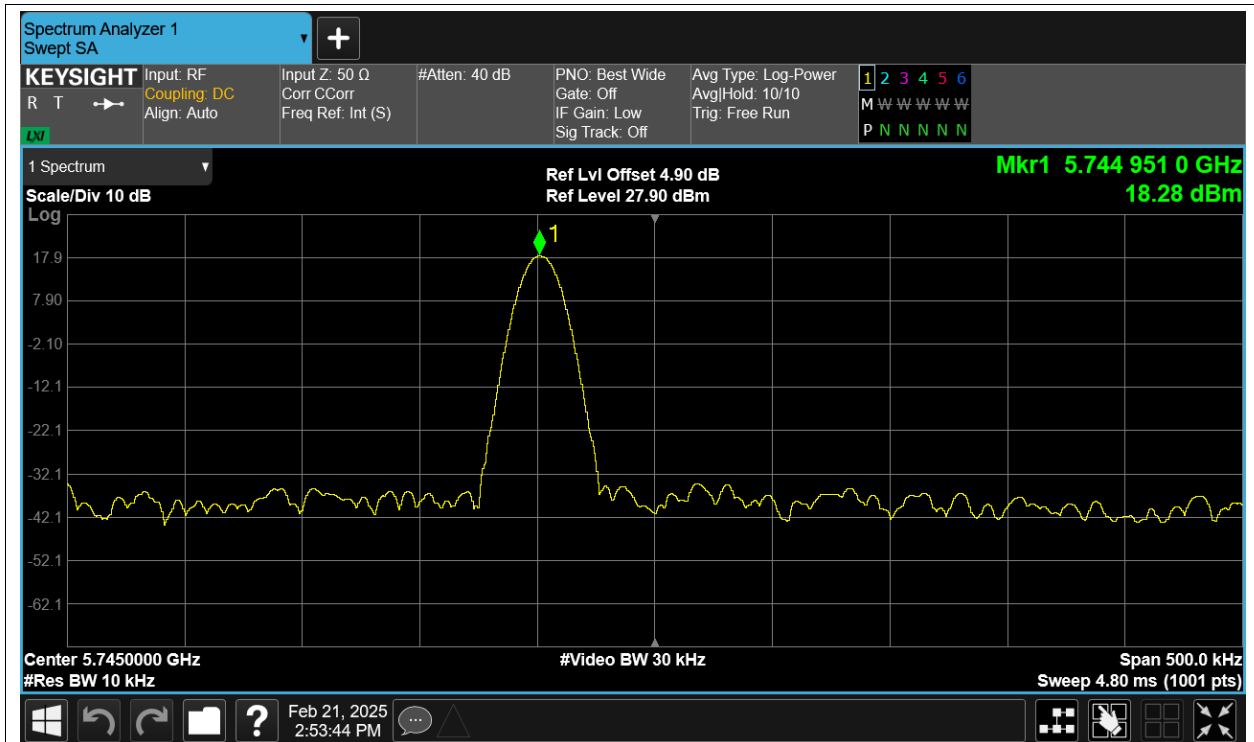
Freq. Stability HVNT a 5745MHz Ant1



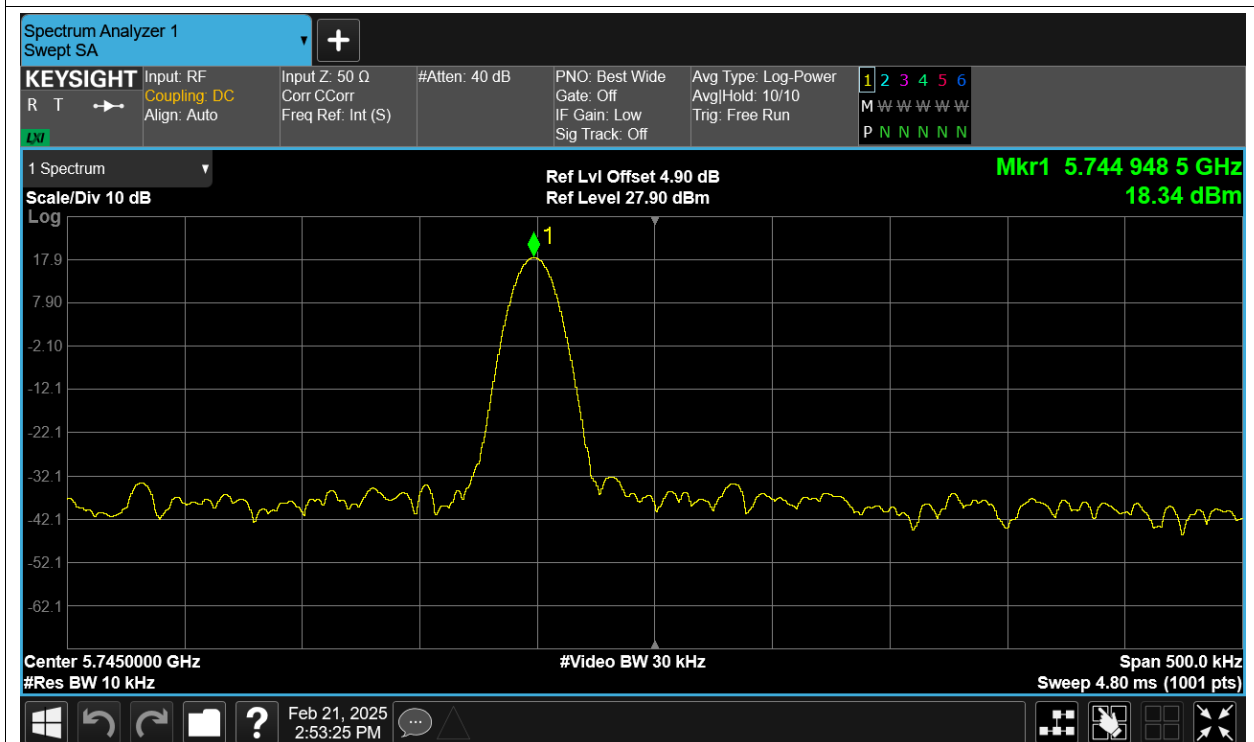
Freq. Stability LVNT a 5745MHz Ant1



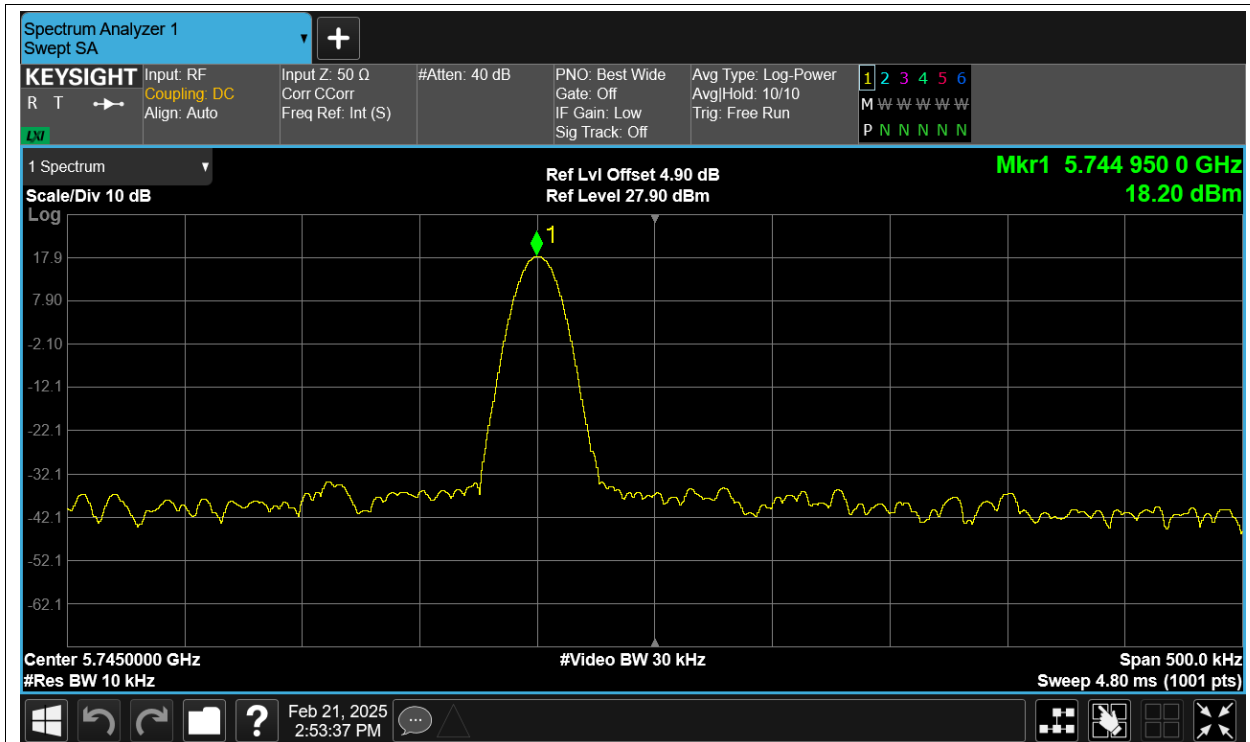
Freq. Stability NVHT a 5745MHz Ant1



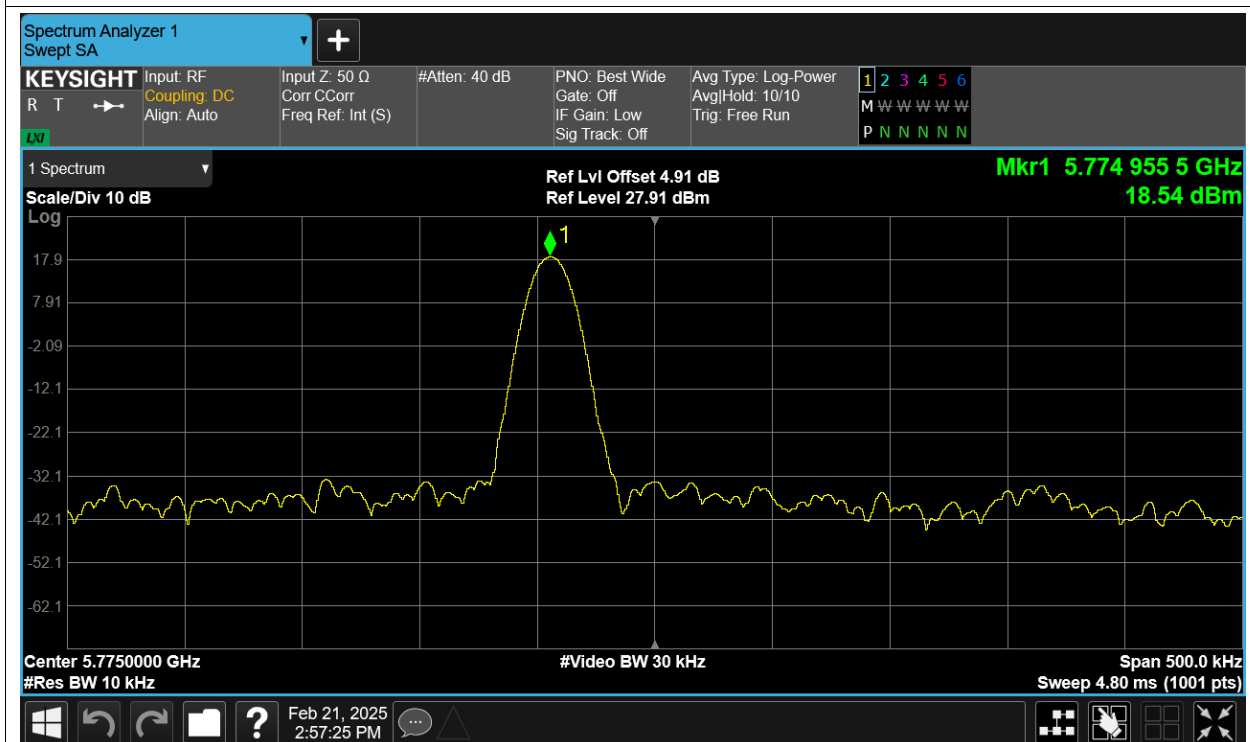
Freq. Stability NVLT a 5745MHz Ant1



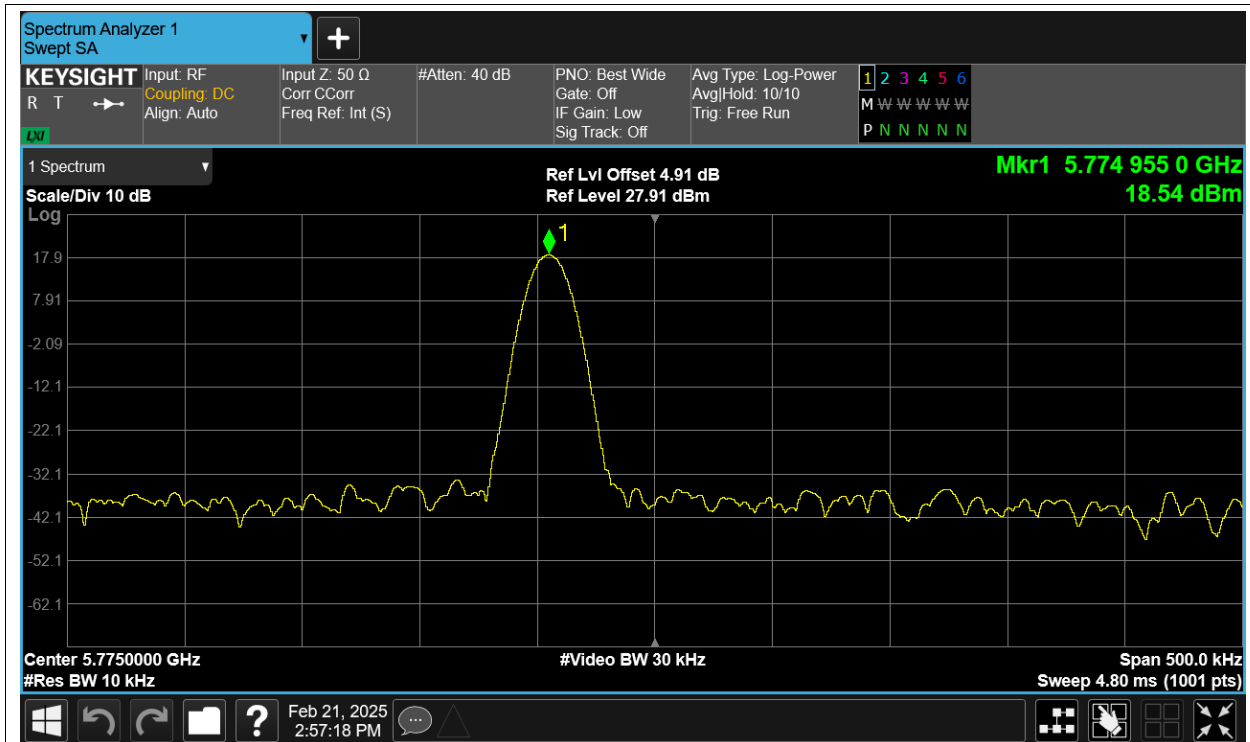
Freq. Stability NVNT a 5745MHz Ant1



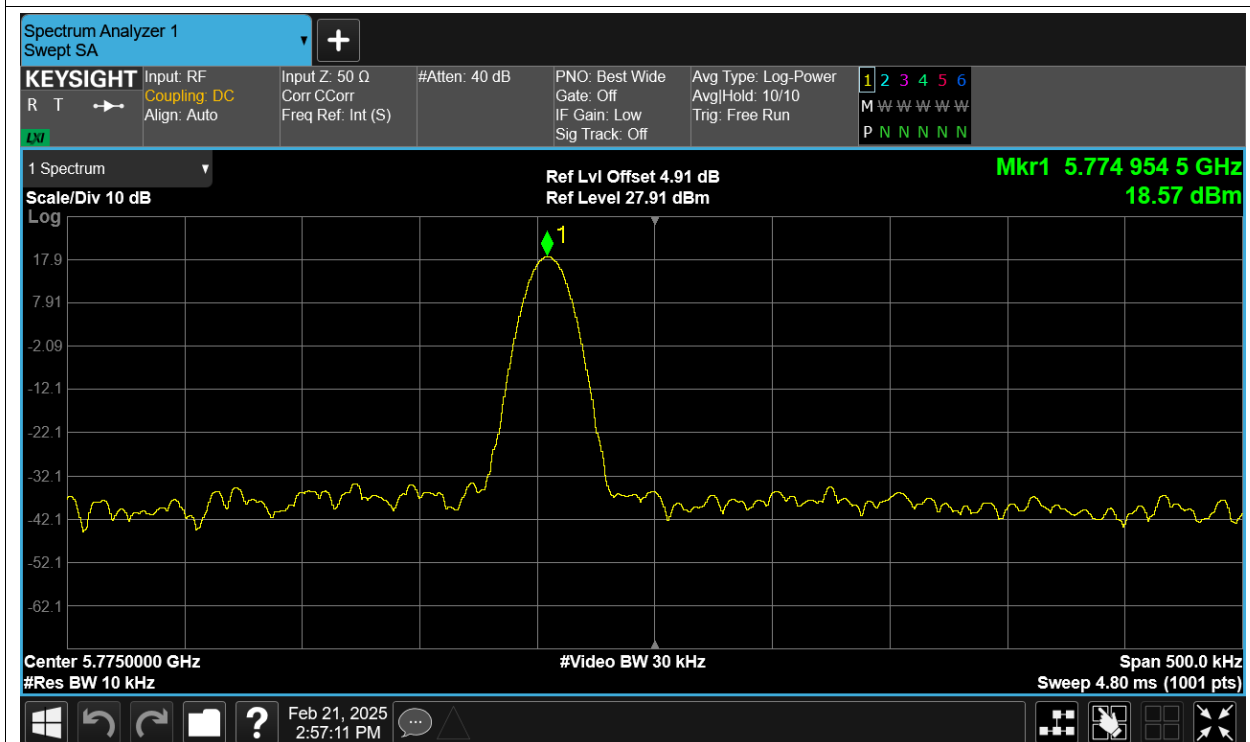
Freq. Stability HVNT ac80 5775MHz Ant1



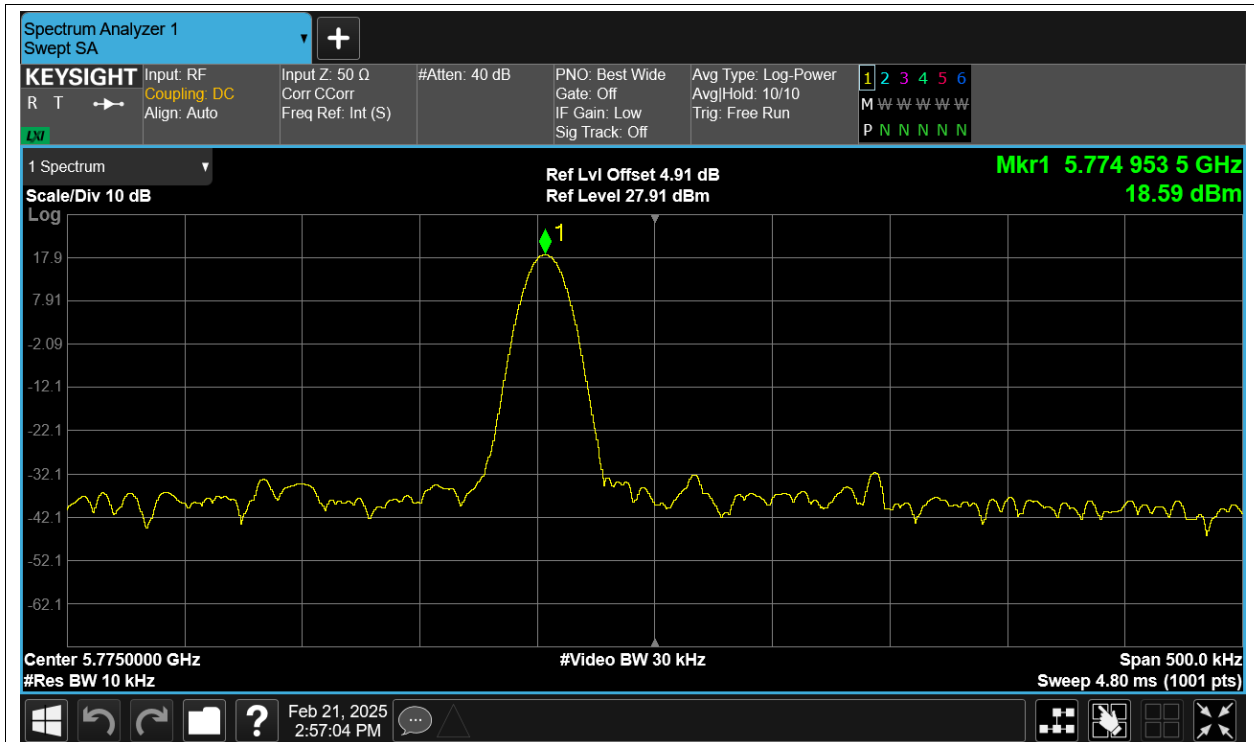
Freq. Stability LVNT ac80 5775MHz Ant1



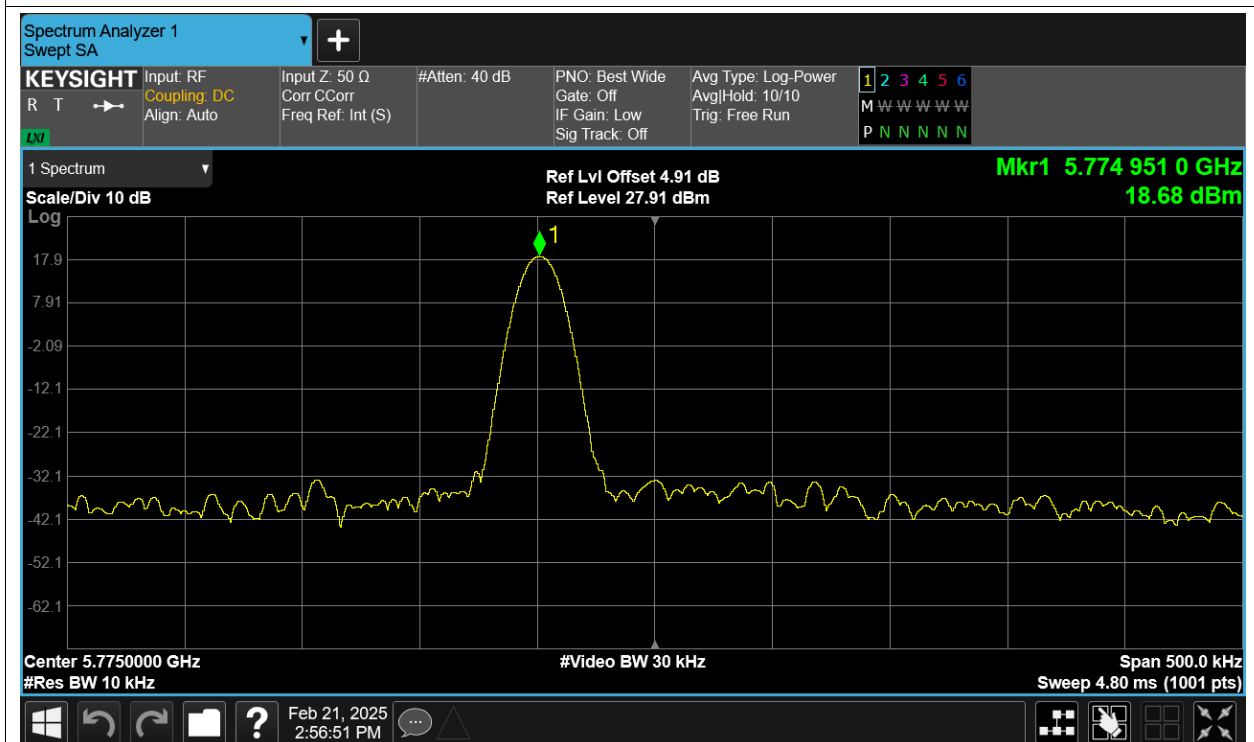
Freq. Stability NVHT ac80 5775MHz Ant1



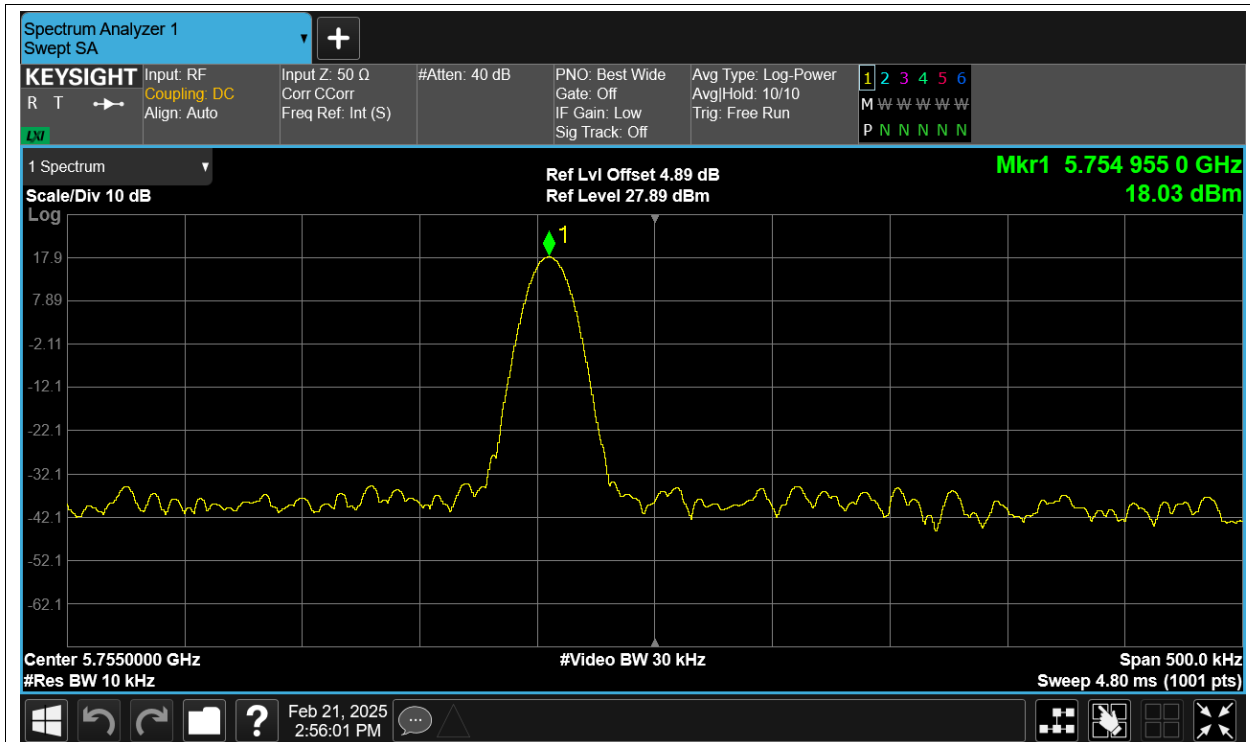
Freq. Stability NVLT ac80 5775MHz Ant1



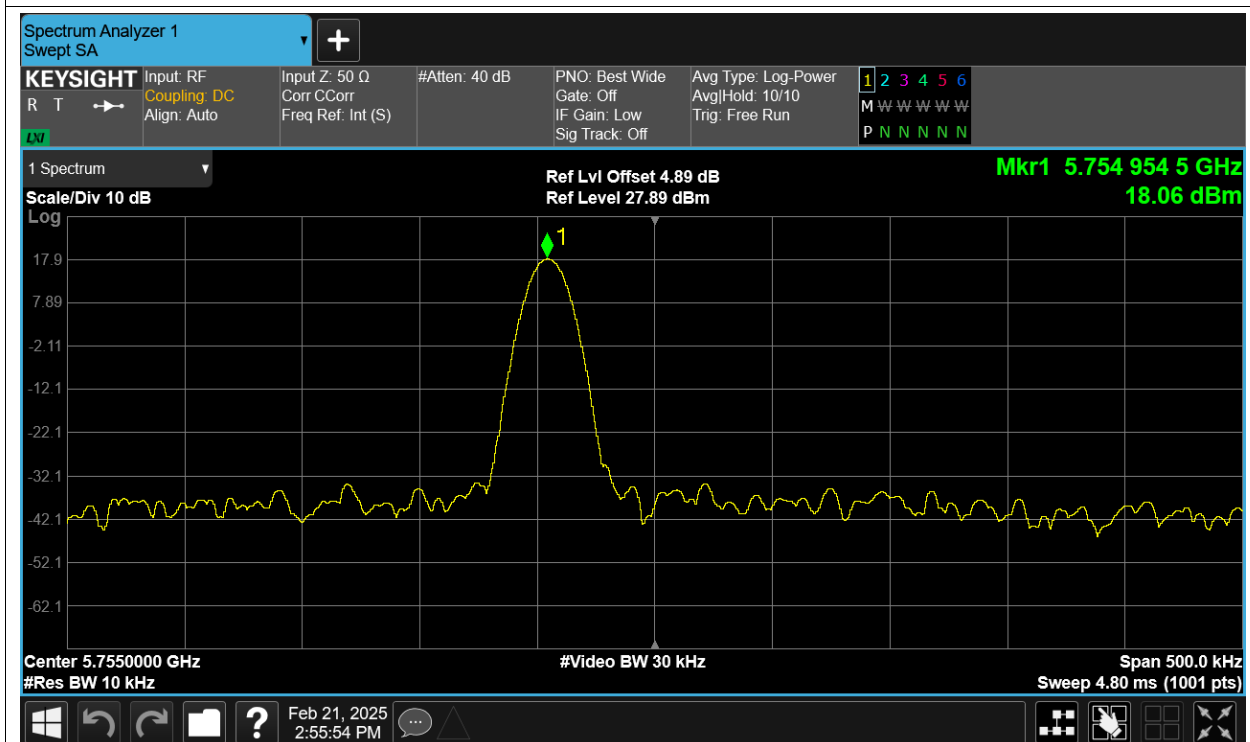
Freq. Stability NVNT ac80 5775MHz Ant1



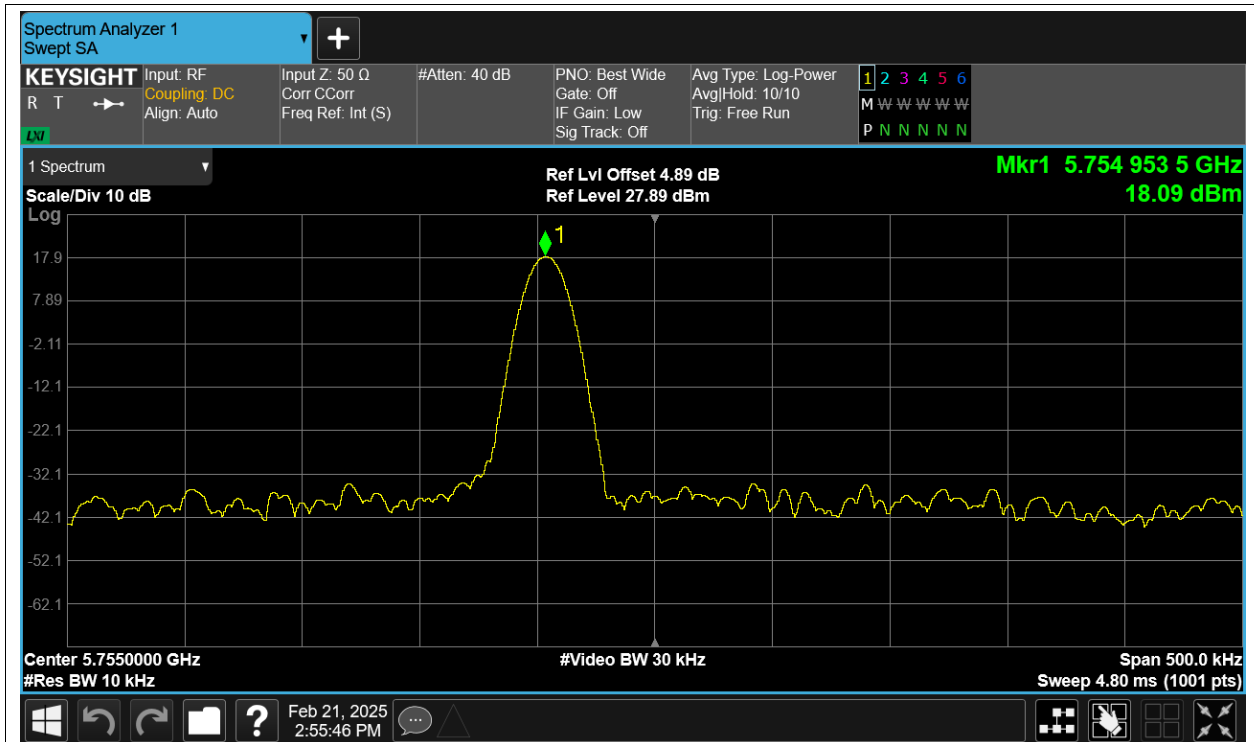
Freq. Stability HVNT n40 5755MHz Ant1



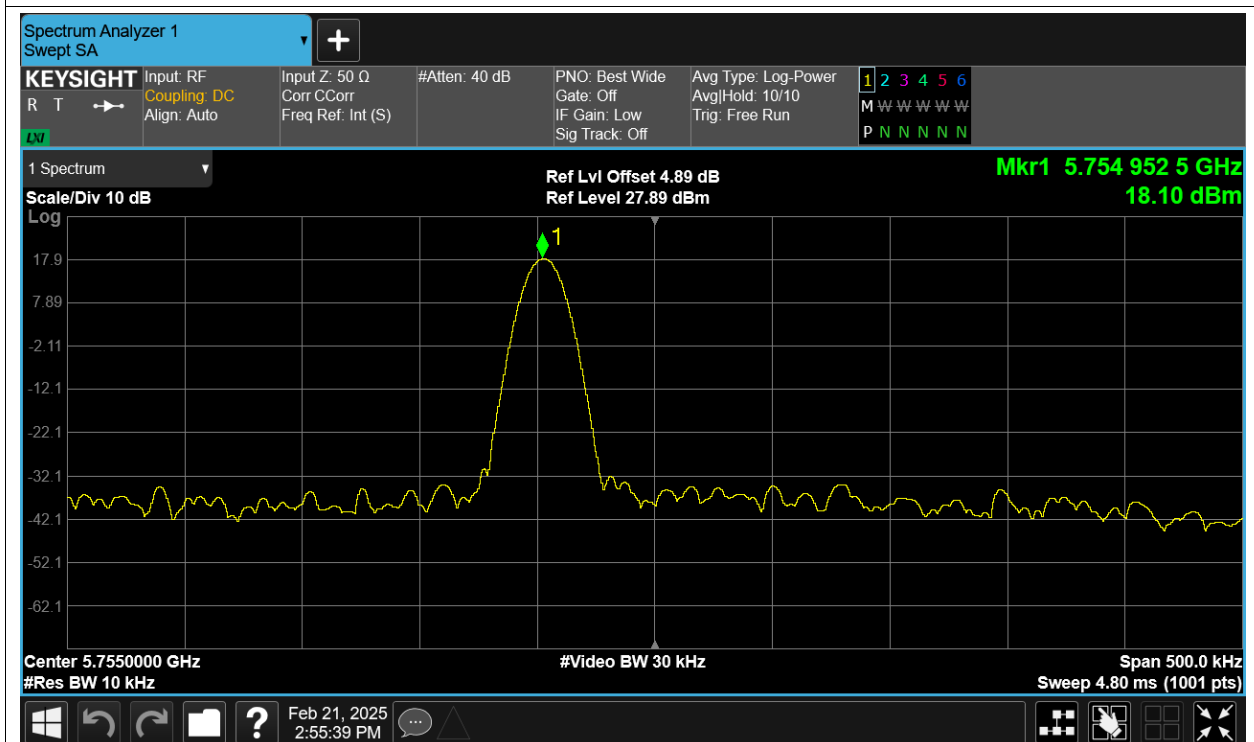
Freq. Stability LVNT n40 5755MHz Ant1



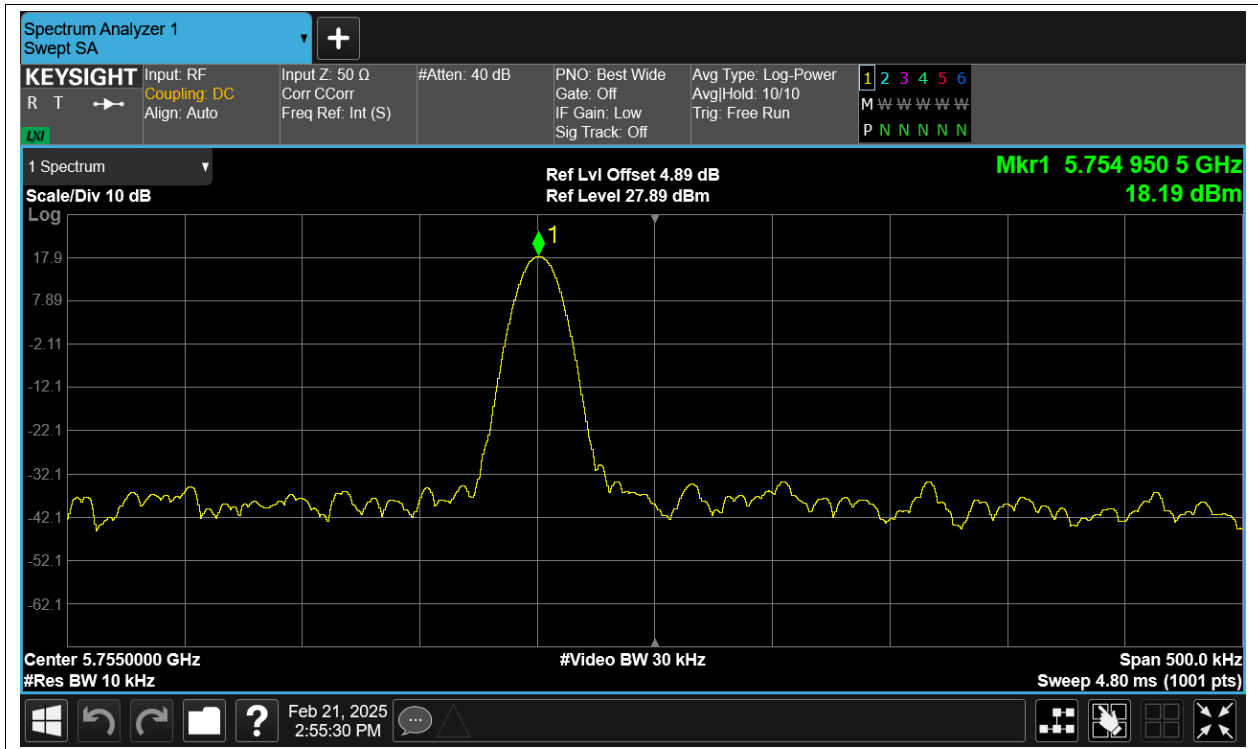
Freq. Stability NVHT n40 5755MHz Ant1



Freq. Stability NVLT n40 5755MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1

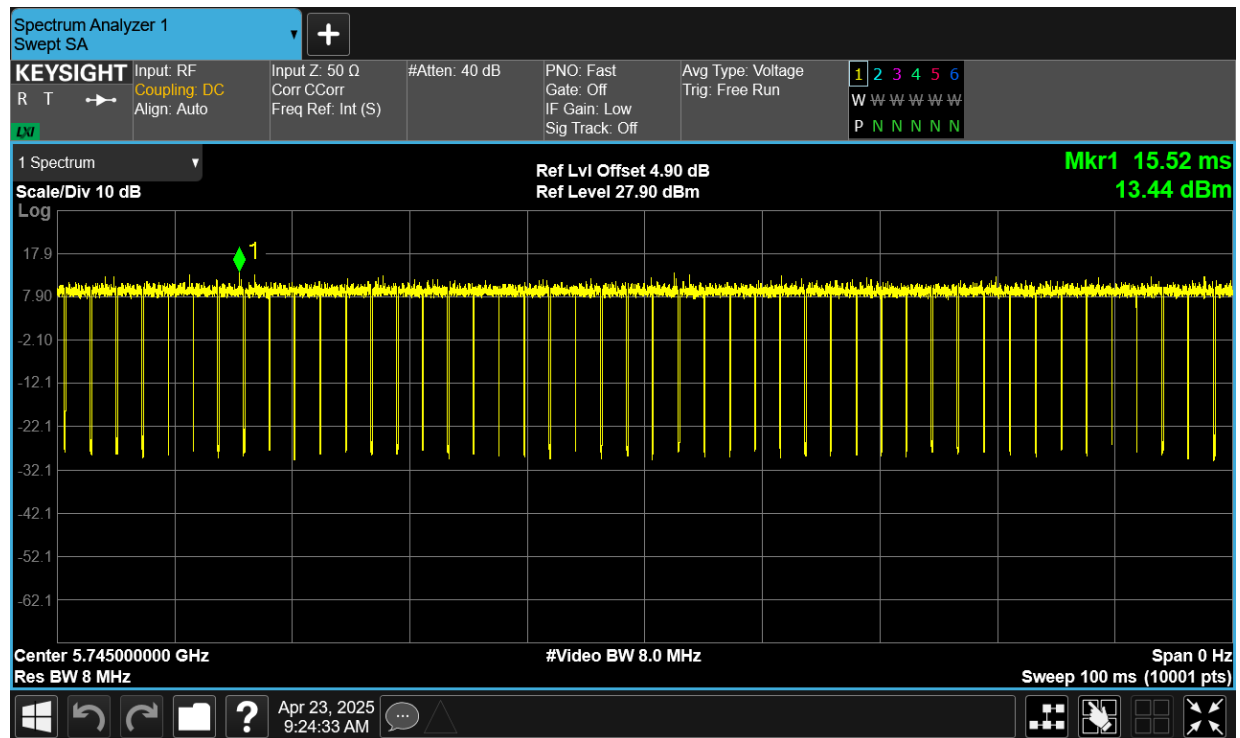


Duty Cycle

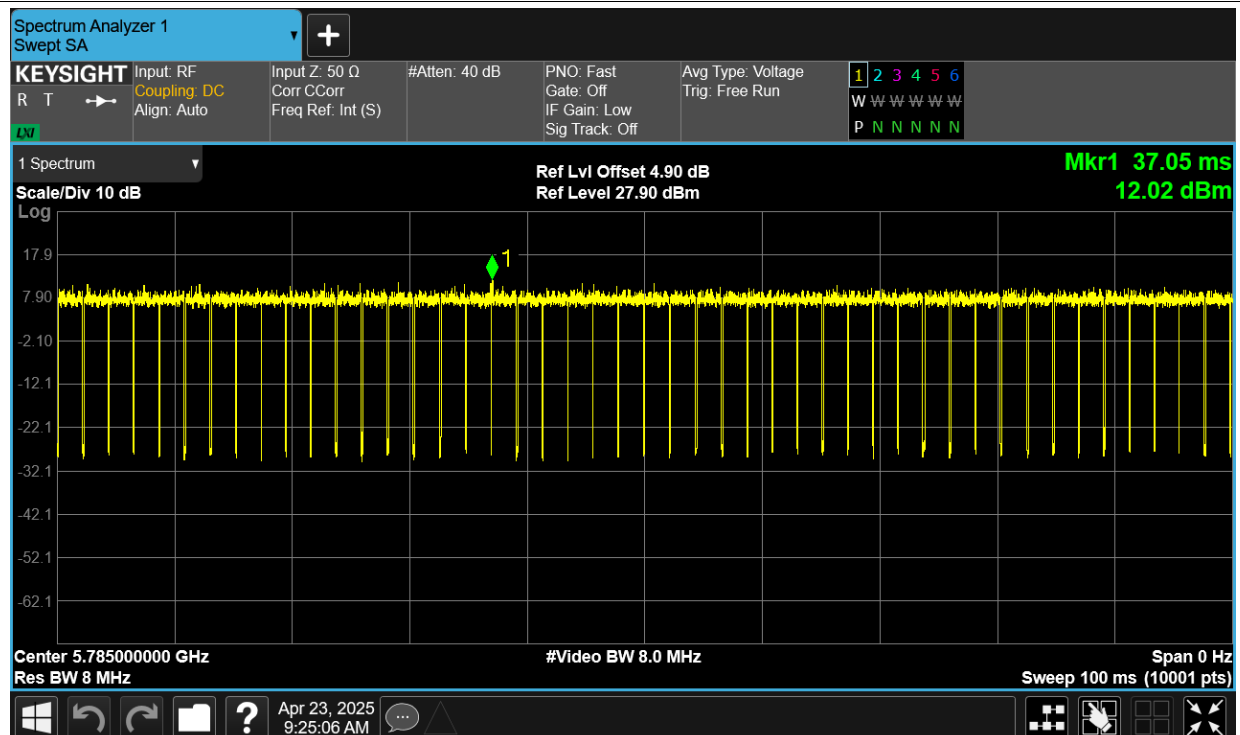
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	95.49	0.2
NVNT	a	5785	Ant1	95.56	0.2
NVNT	a	5825	Ant1	95.69	0.19
NVNT	ac20	5745	Ant1	95.19	0.21
NVNT	ac20	5785	Ant1	95.77	0.19
NVNT	ac20	5825	Ant1	95.2	0.21
NVNT	ac40	5755	Ant1	95.56	0.2
NVNT	ac40	5795	Ant1	95.51	0.2
NVNT	ac80	5775	Ant1	95.48	0.2
NVNT	n20	5745	Ant1	95.22	0.21
NVNT	n20	5785	Ant1	95.91	0.18
NVNT	n20	5825	Ant1	95.52	0.2
NVNT	n40	5755	Ant1	95.27	0.21
NVNT	n40	5795	Ant1	95.44	0.2

Test Graphs

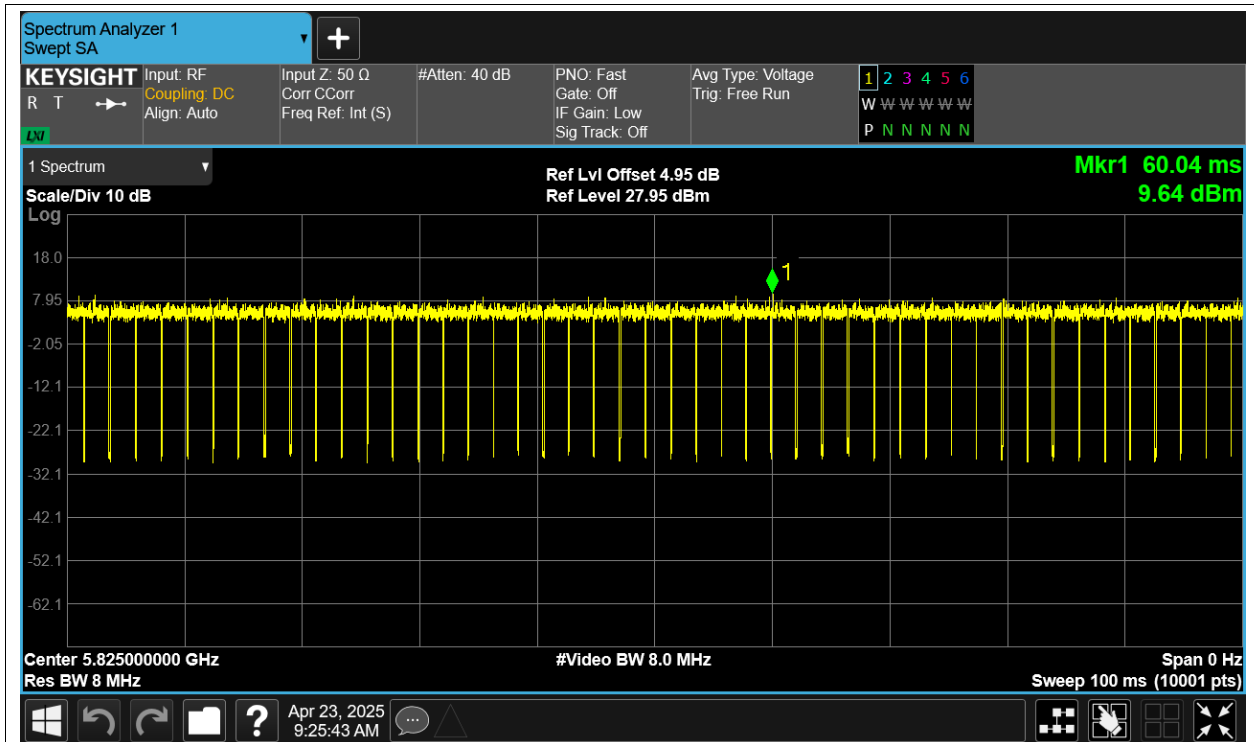
Duty Cycle NVNT a 5745MHz Ant1



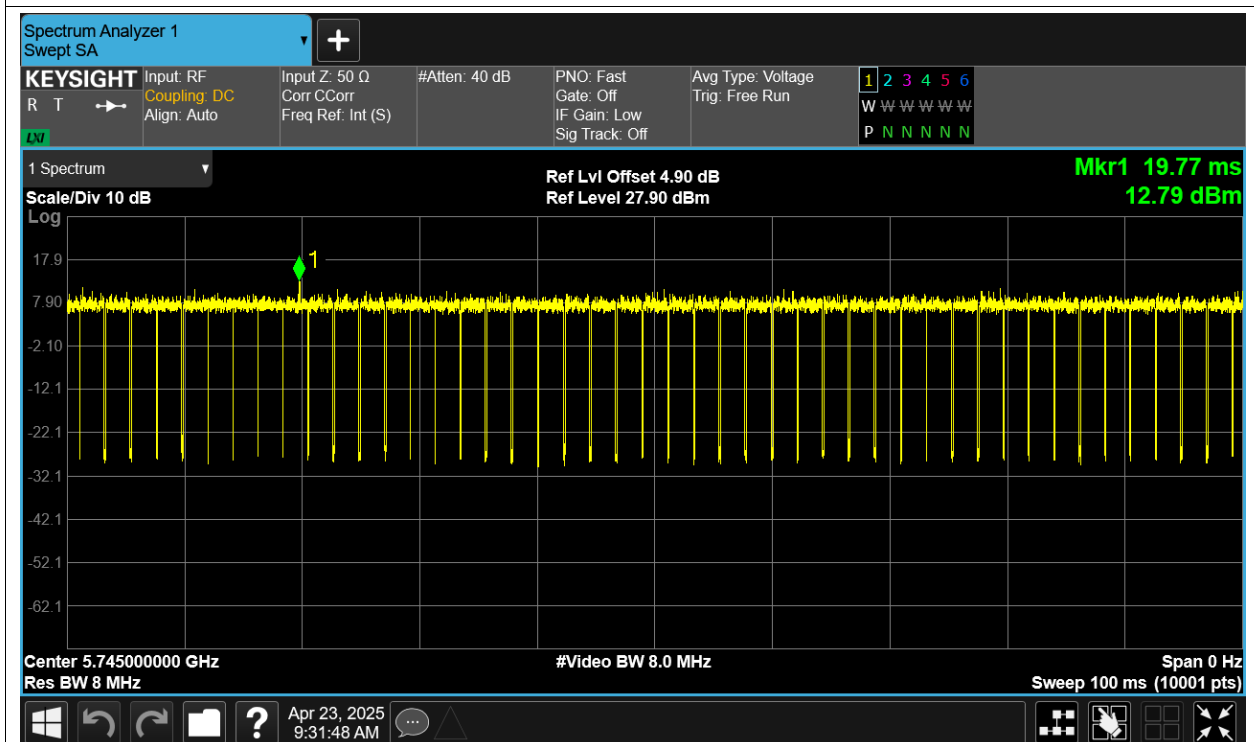
Duty Cycle NVNT a 5785MHz Ant1



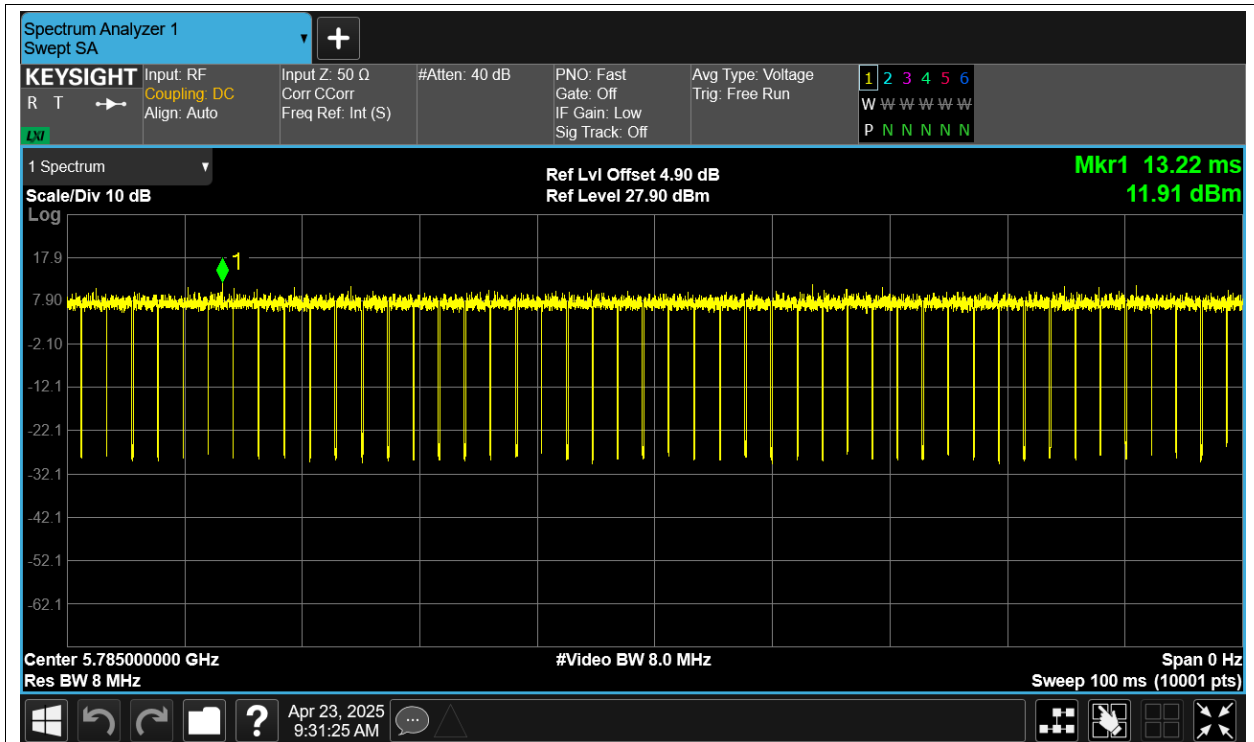
Duty Cycle NVNT a 5825MHz Ant1



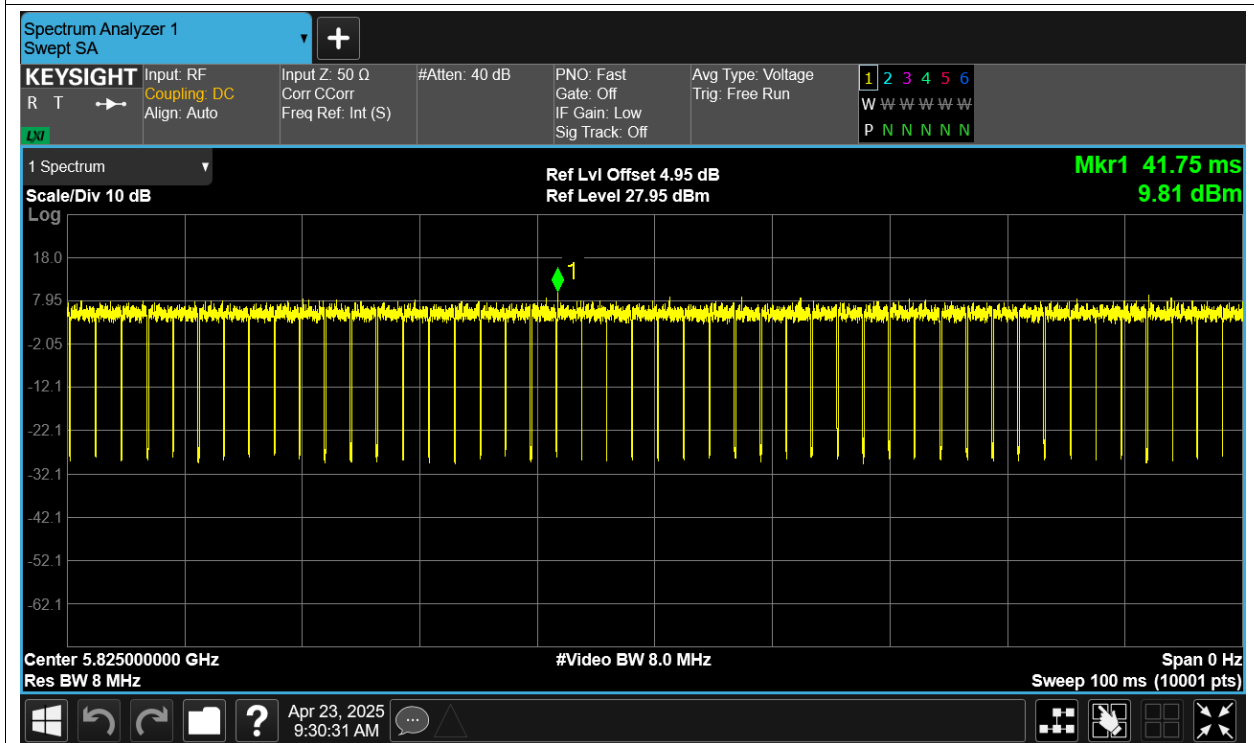
Duty Cycle NVNT ac20 5745MHz Ant1



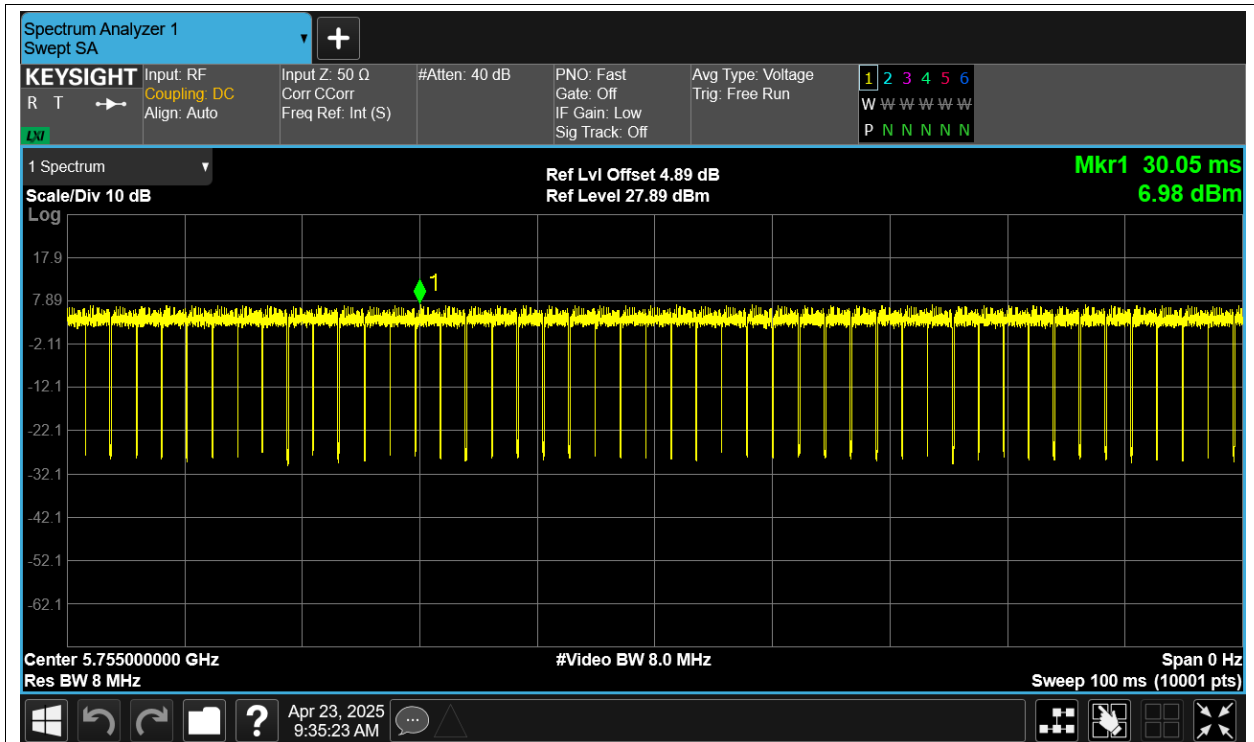
Duty Cycle NVNT ac20 5785MHz Ant1



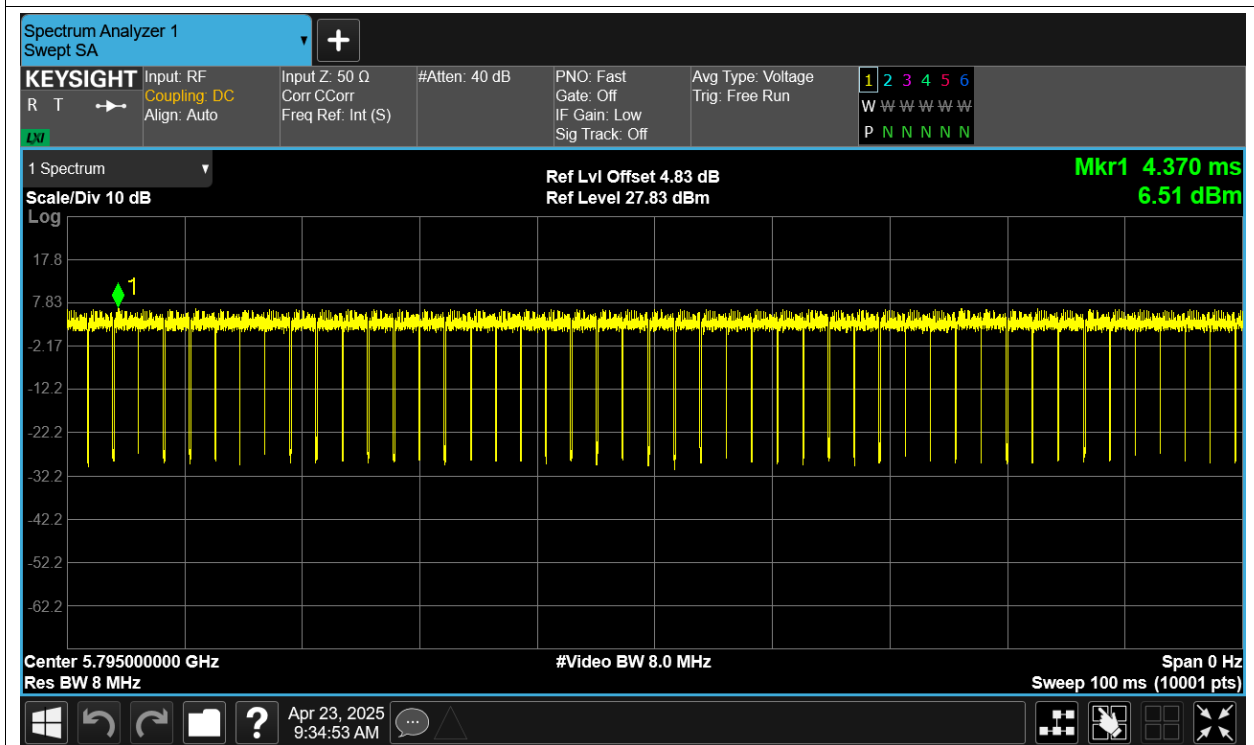
Duty Cycle NVNT ac20 5825MHz Ant1



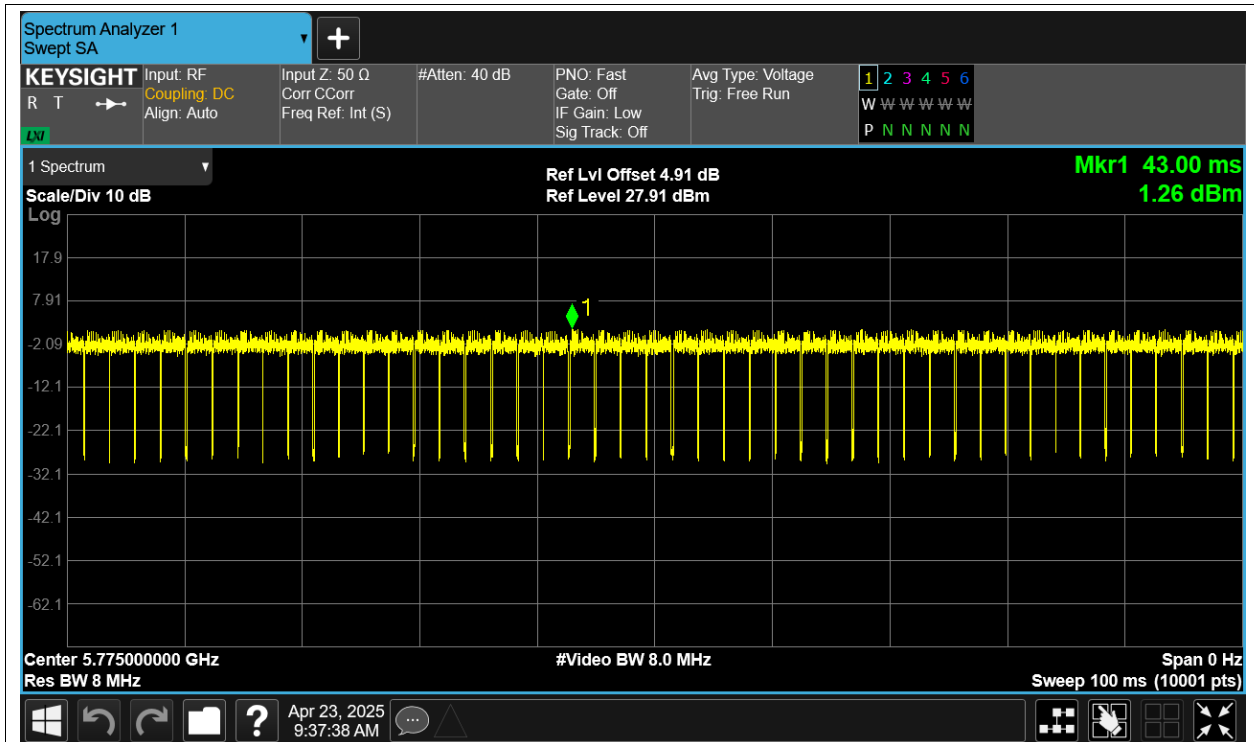
Duty Cycle NVNT ac40 5755MHz Ant1



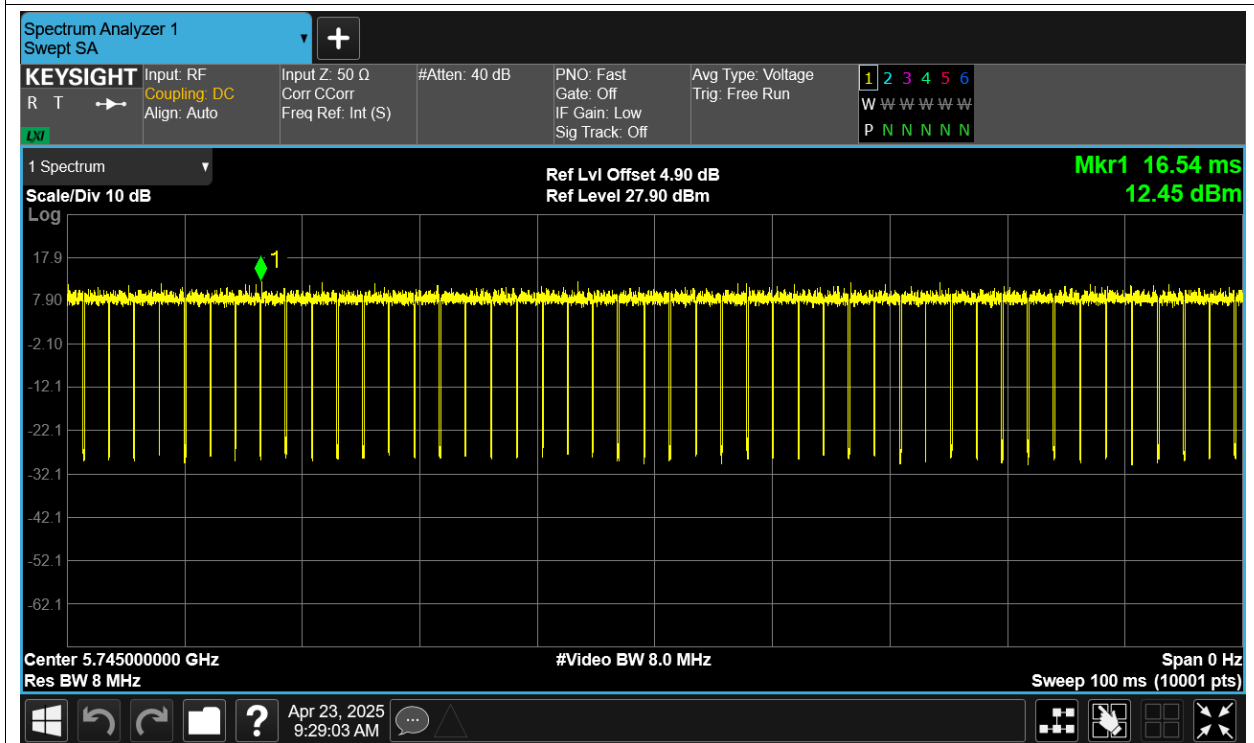
Duty Cycle NVNT ac40 5795MHz Ant1



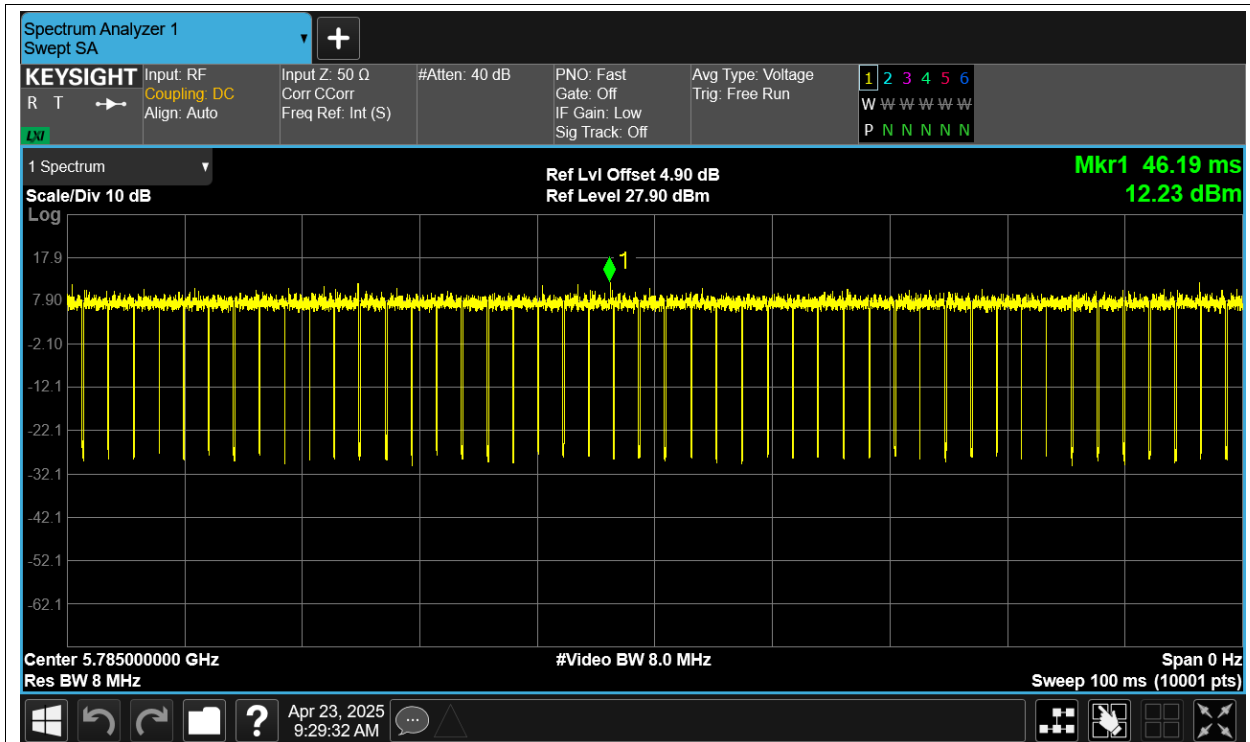
Duty Cycle NVNT ac80 5775MHz Ant1



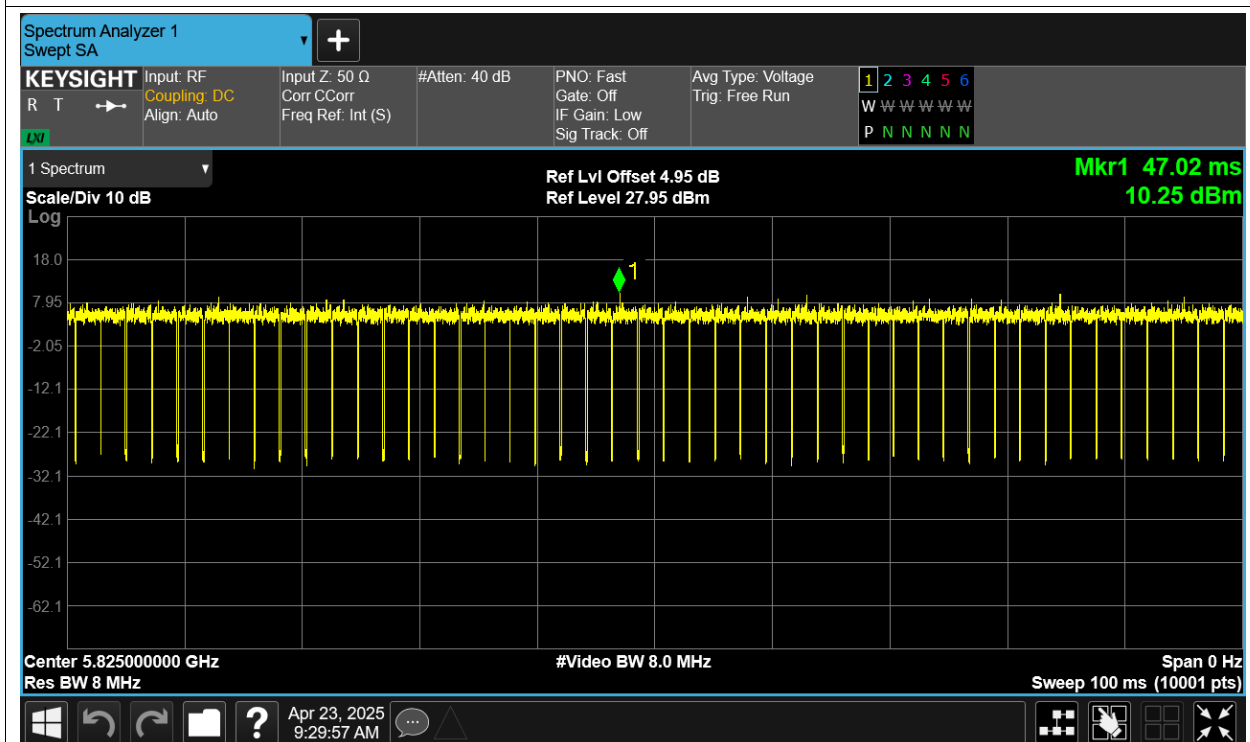
Duty Cycle NVNT n20 5745MHz Ant1



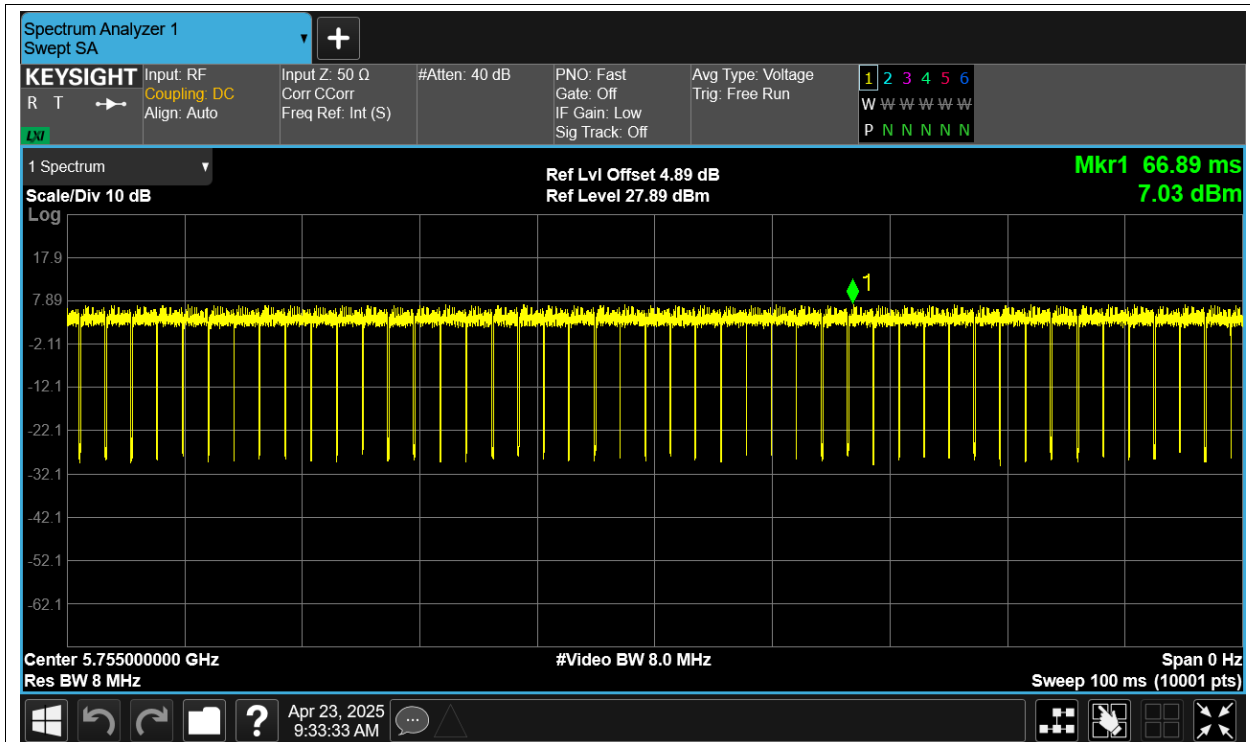
Duty Cycle NVNT n20 5785MHz Ant1



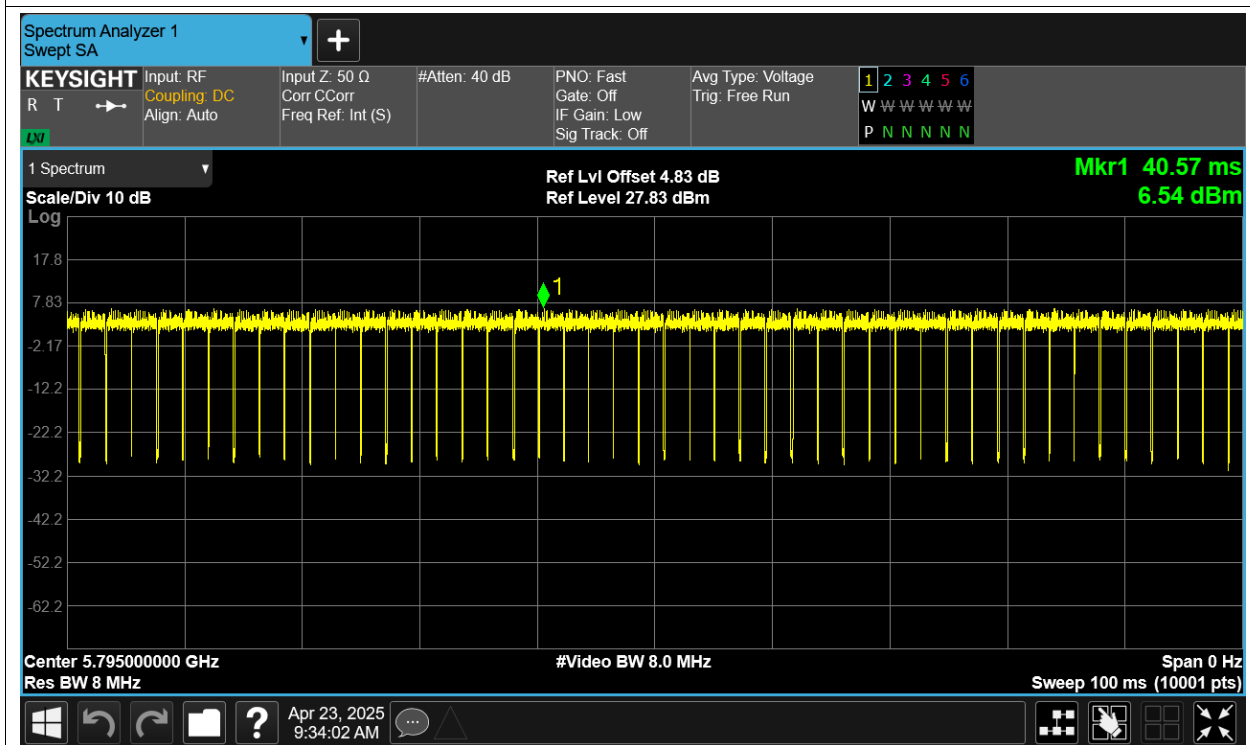
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



Maximum Conducted Output Power

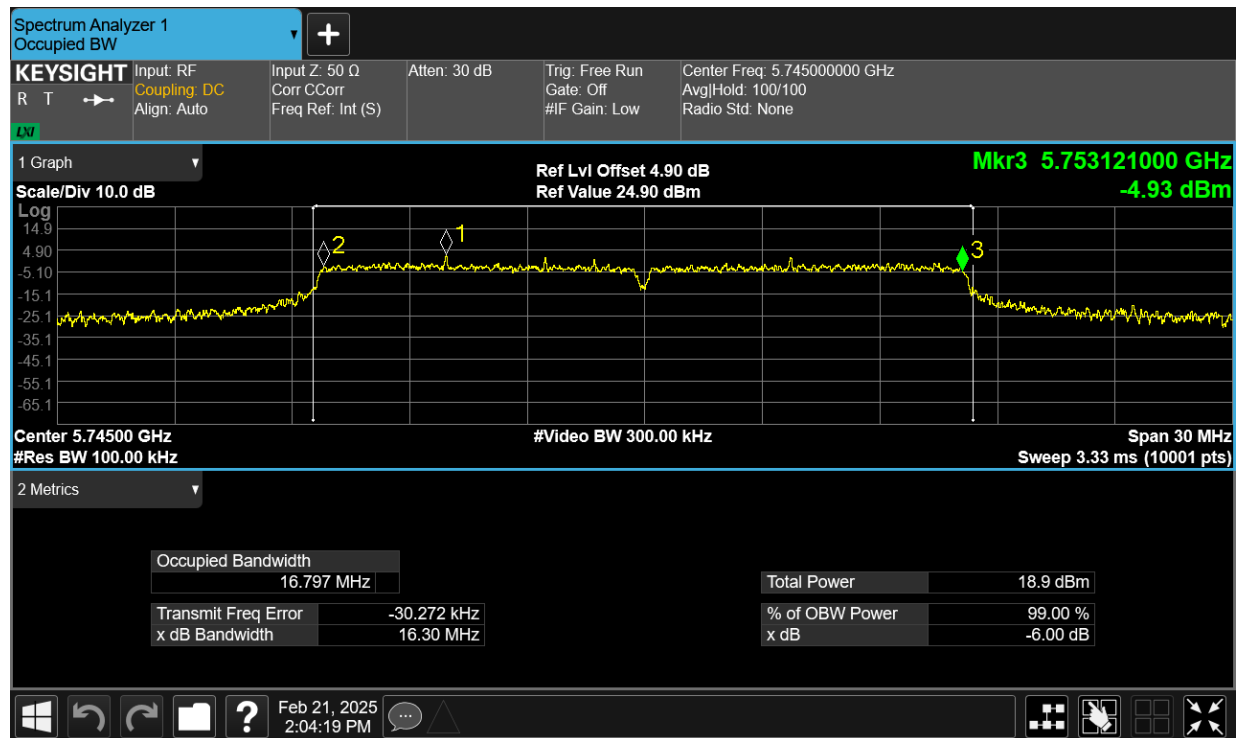
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.35	0.2	13.55	30	Pass
NVNT	a	5785	Ant1	13.55	0.2	13.75	30	Pass
NVNT	a	5825	Ant1	12.91	0.19	13.1	30	Pass
NVNT	ac20	5745	Ant1	12.13	0.21	12.34	30	Pass
NVNT	ac20	5785	Ant1	12.37	0.19	12.56	30	Pass
NVNT	ac20	5825	Ant1	11.7	0.21	11.91	30	Pass
NVNT	ac40	5755	Ant1	11.91	0.2	12.11	30	Pass
NVNT	ac40	5795	Ant1	12.38	0.2	12.58	30	Pass
NVNT	ac80	5775	Ant1	12.2	0.2	12.4	30	Pass
NVNT	n20	5745	Ant1	12.2	0.21	12.41	30	Pass
NVNT	n20	5785	Ant1	12.42	0.18	12.6	30	Pass
NVNT	n20	5825	Ant1	11.76	0.2	11.96	30	Pass
NVNT	n40	5755	Ant1	12.29	0.21	12.5	30	Pass
NVNT	n40	5795	Ant1	12.51	0.2	12.71	30	Pass

-6dB Bandwidth

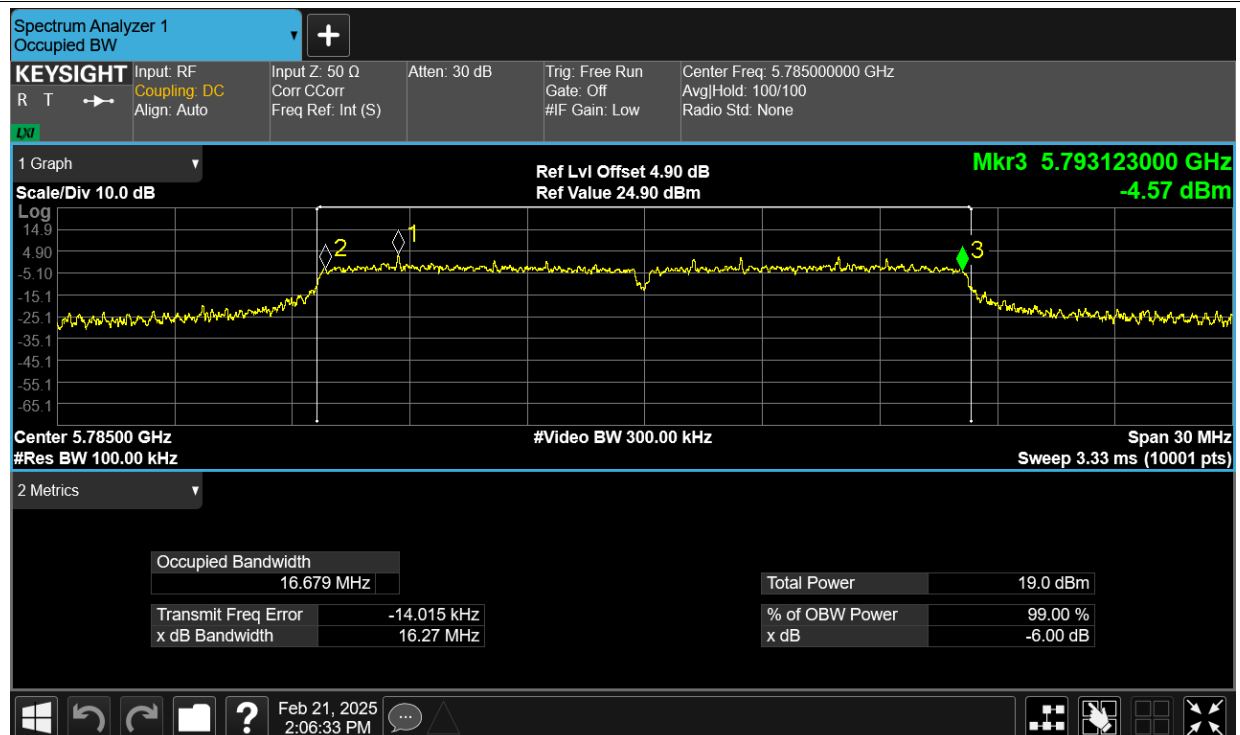
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	a	5745	Ant1	16.303	0.5	Pass
NVNT	a	5785	Ant1	16.274	0.5	Pass
NVNT	a	5825	Ant1	16.265	0.5	Pass
NVNT	ac20	5745	Ant1	17.026	0.5	Pass
NVNT	ac20	5785	Ant1	16.757	0.5	Pass
NVNT	ac20	5825	Ant1	17.542	0.5	Pass
NVNT	ac40	5755	Ant1	35.79	0.5	Pass
NVNT	ac40	5795	Ant1	35.422	0.5	Pass
NVNT	ac80	5775	Ant1	75.071	0.5	Pass
NVNT	n20	5745	Ant1	16.697	0.5	Pass
NVNT	n20	5785	Ant1	16.925	0.5	Pass
NVNT	n20	5825	Ant1	17.537	0.5	Pass
NVNT	n40	5755	Ant1	35.434	0.5	Pass
NVNT	n40	5795	Ant1	35.752	0.5	Pass

Test Graphs

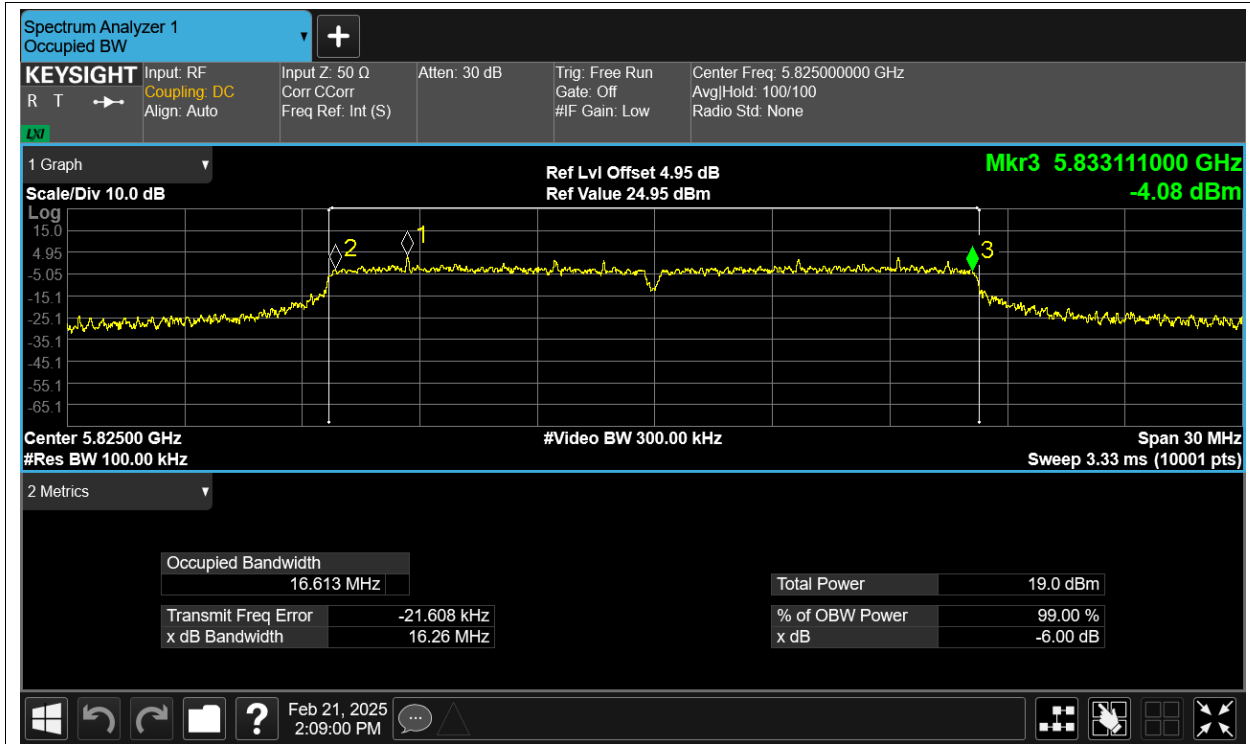
-6dB Bandwidth NVNT a 5745MHz Ant1



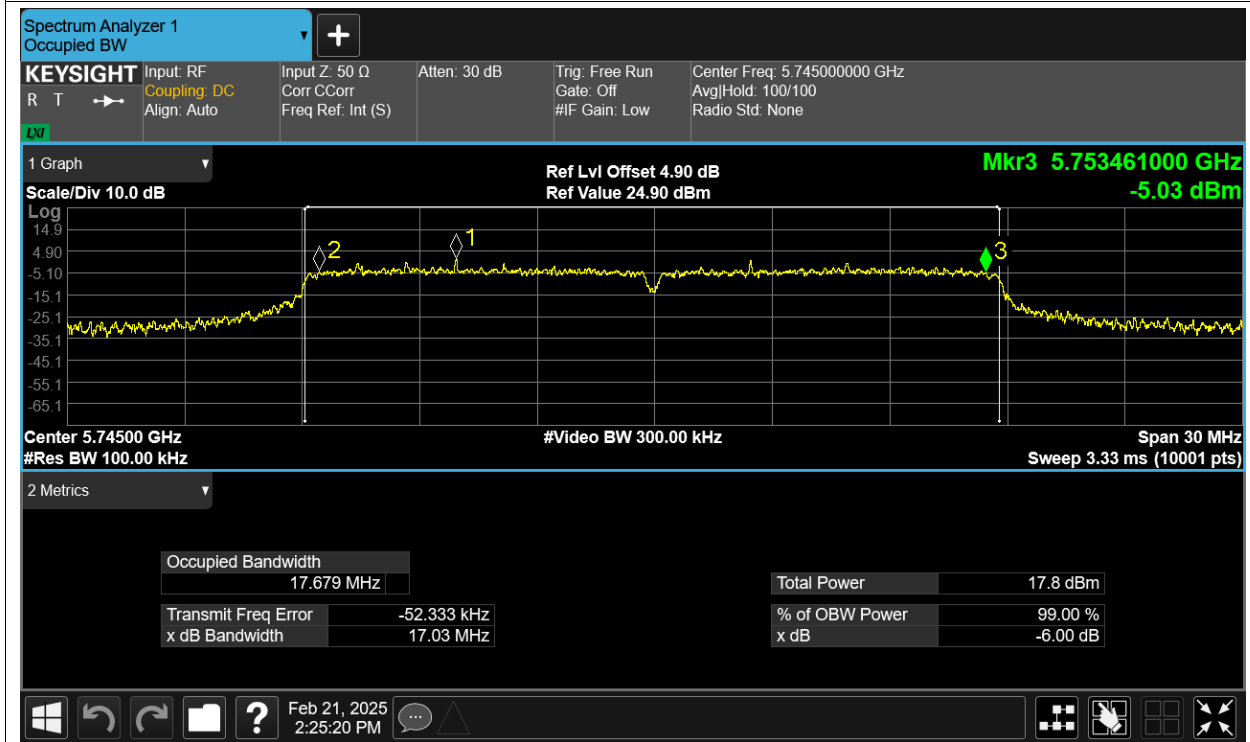
-6dB Bandwidth NVNT a 5785MHz Ant1



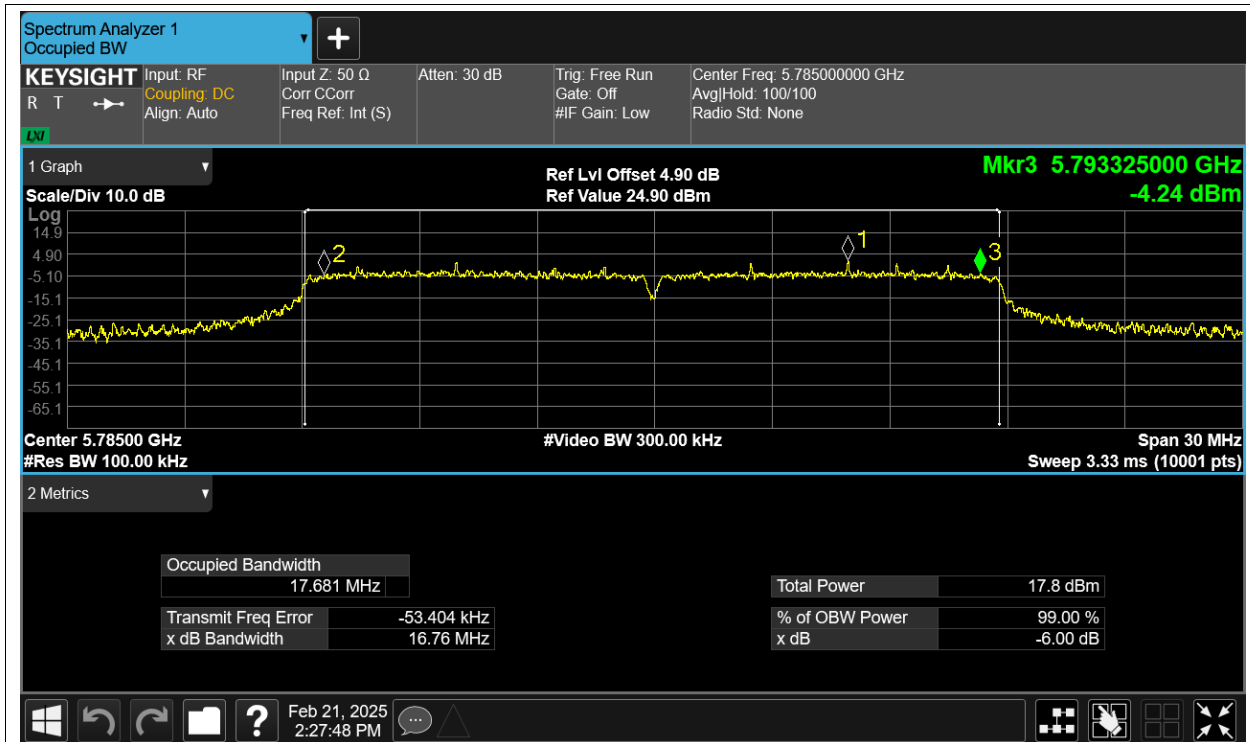
-6dB Bandwidth NVNT a 5825MHz Ant1



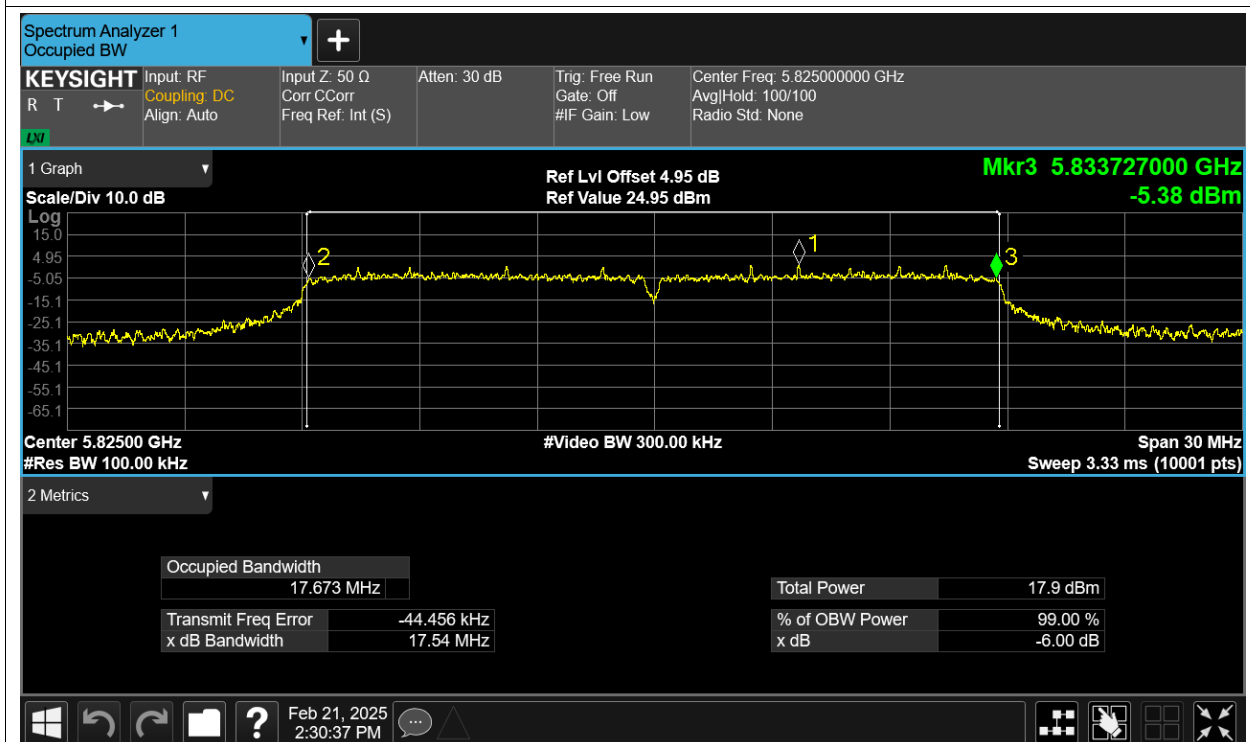
-6dB Bandwidth NVNT ac20 5745MHz Ant1



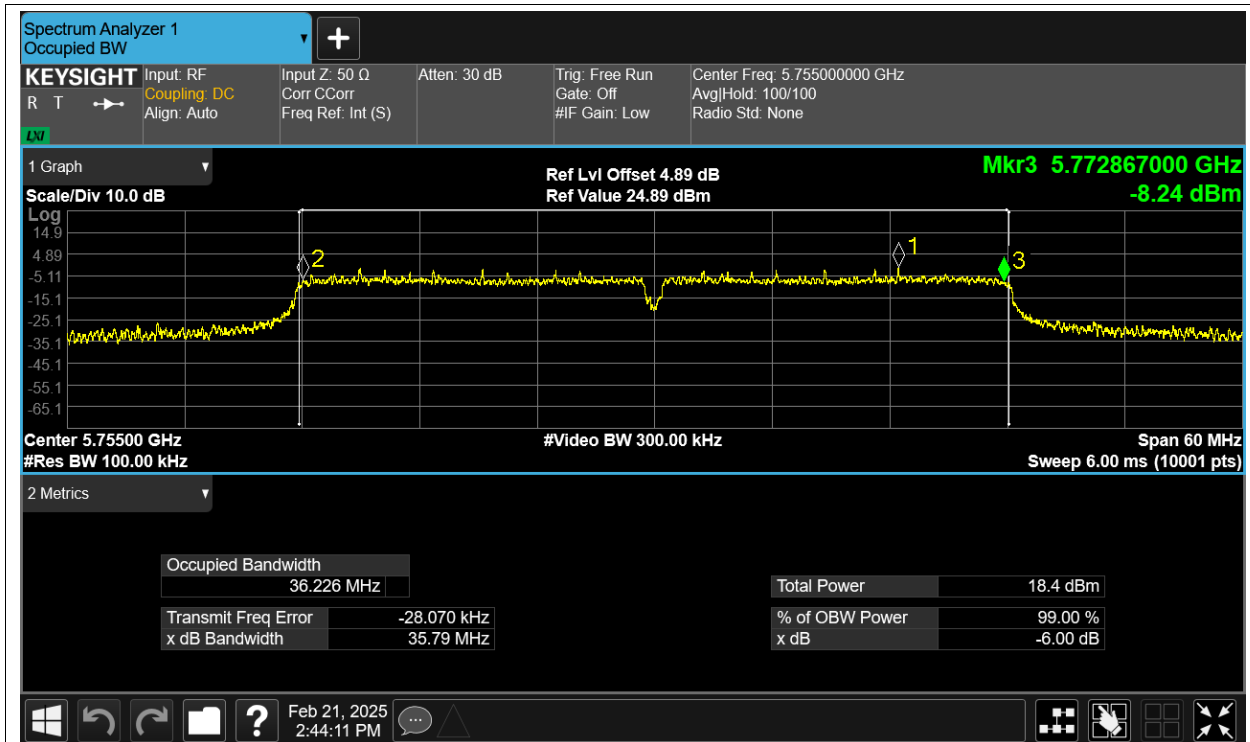
-6dB Bandwidth NVNT ac20 5785MHz Ant1



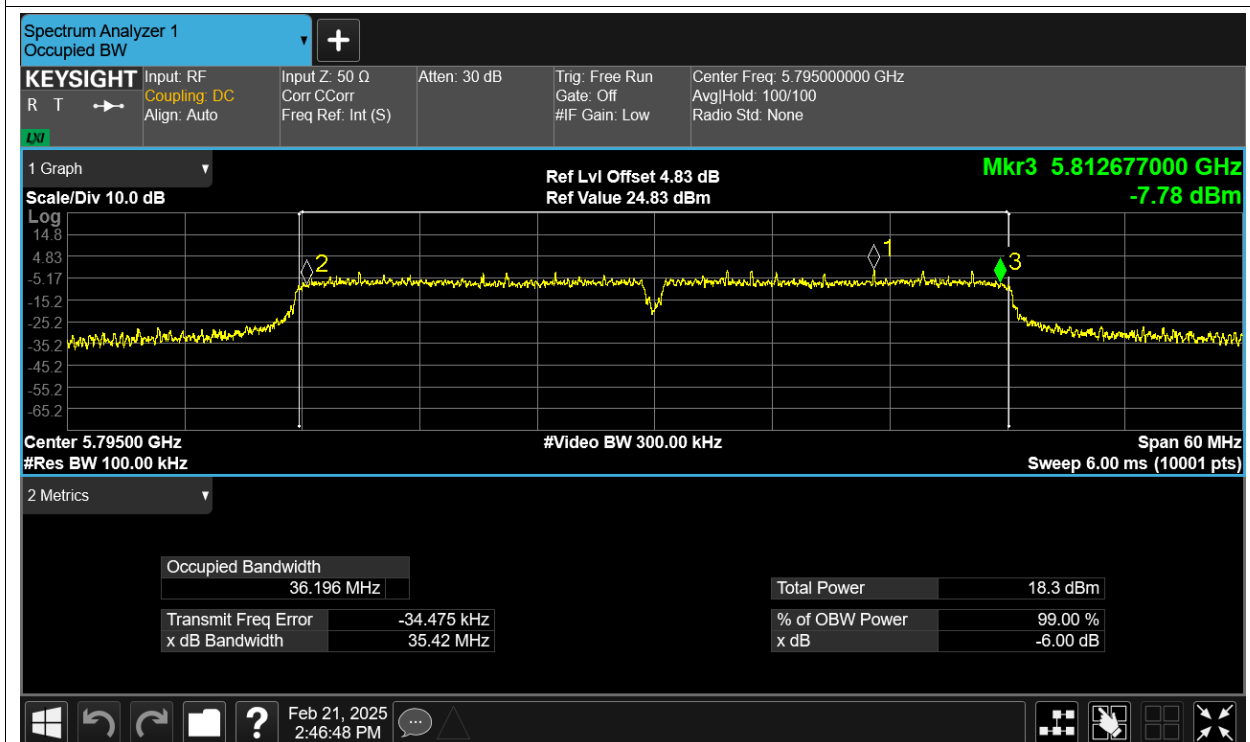
-6dB Bandwidth NVNT ac20 5825MHz Ant1



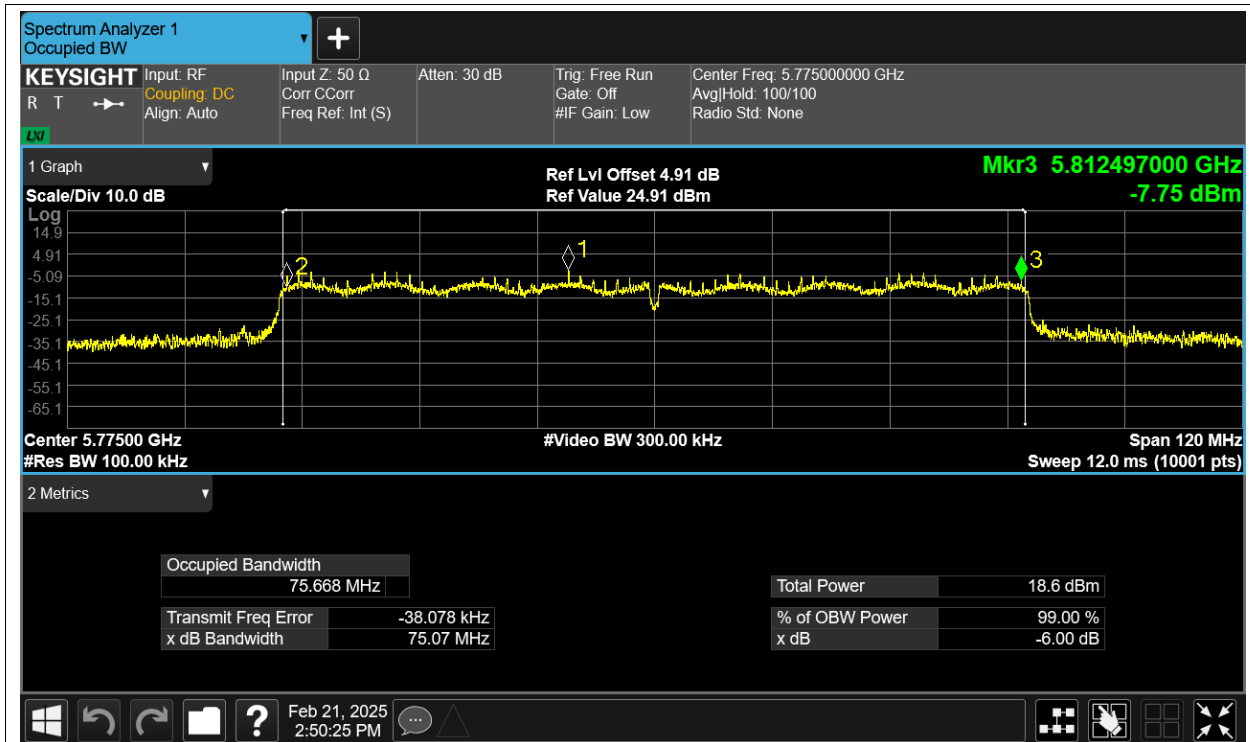
-6dB Bandwidth NVNT ac40 5755MHz Ant1



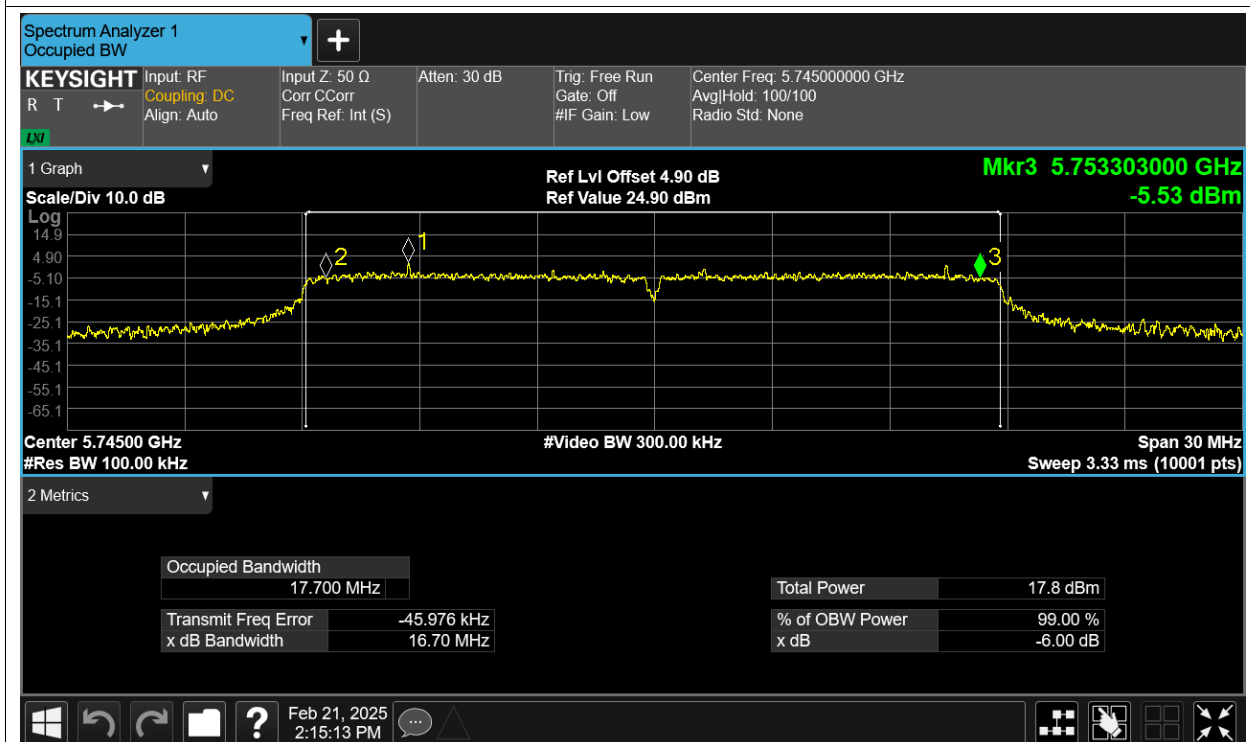
-6dB Bandwidth NVNT ac40 5795MHz Ant1



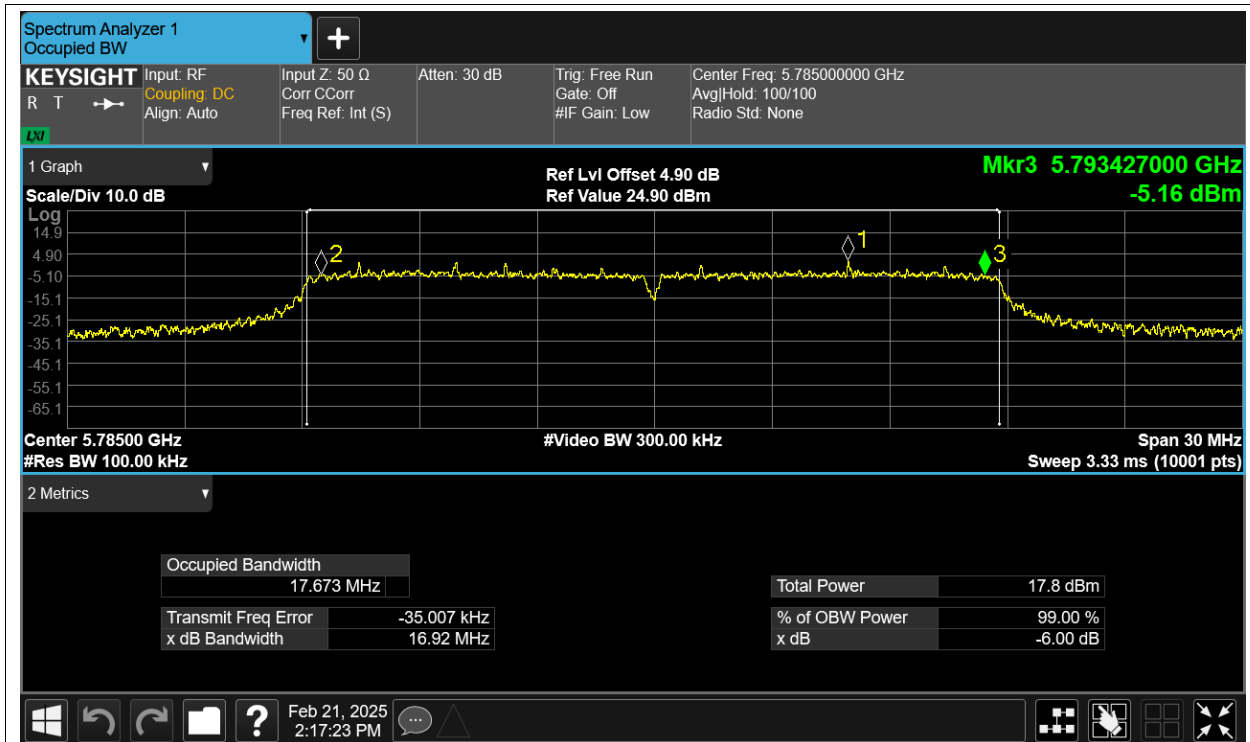
-6dB Bandwidth NVNT ac80 5775MHz Ant1



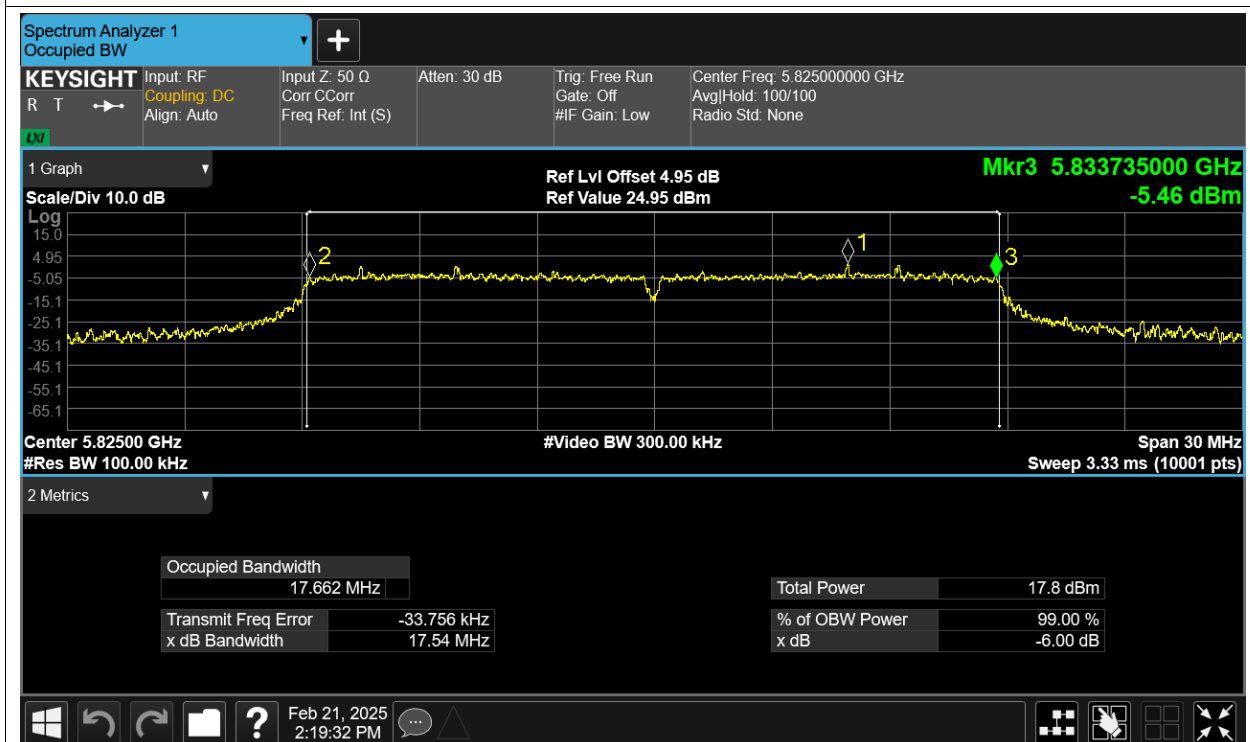
-6dB Bandwidth NVNT n20 5745MHz Ant1



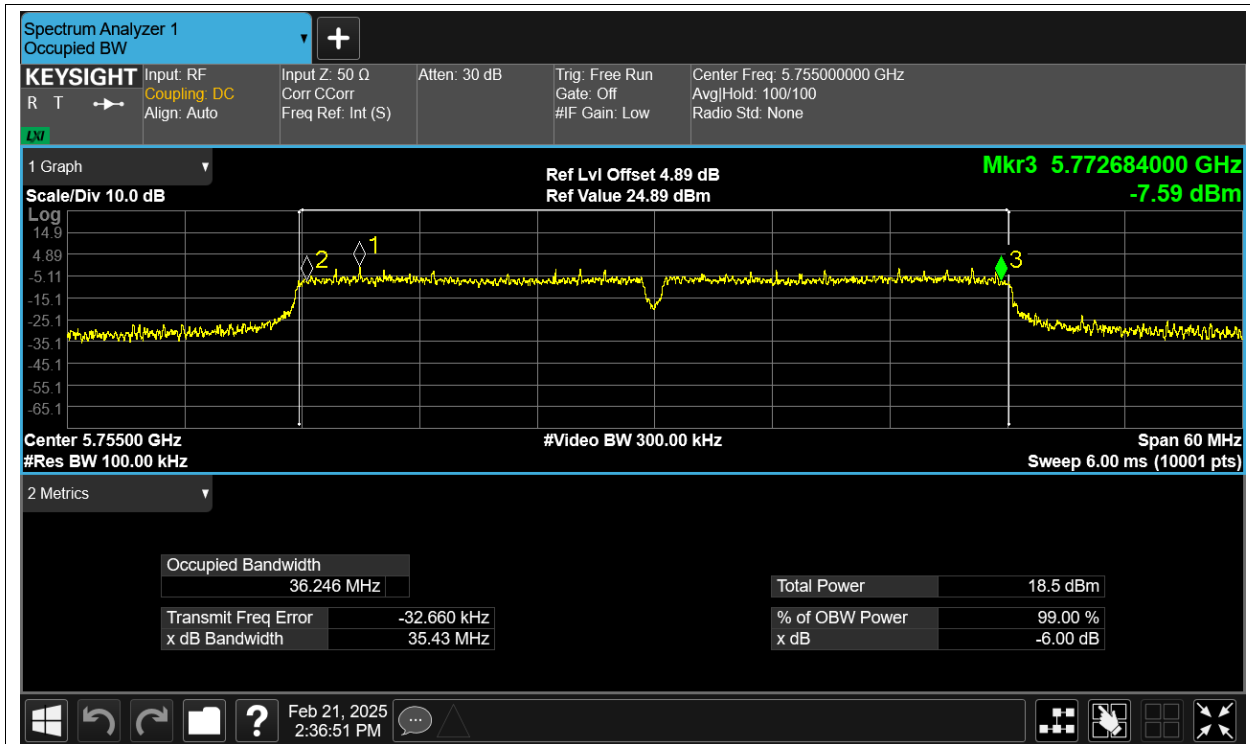
-6dB Bandwidth NVNT n20 5785MHz Ant1



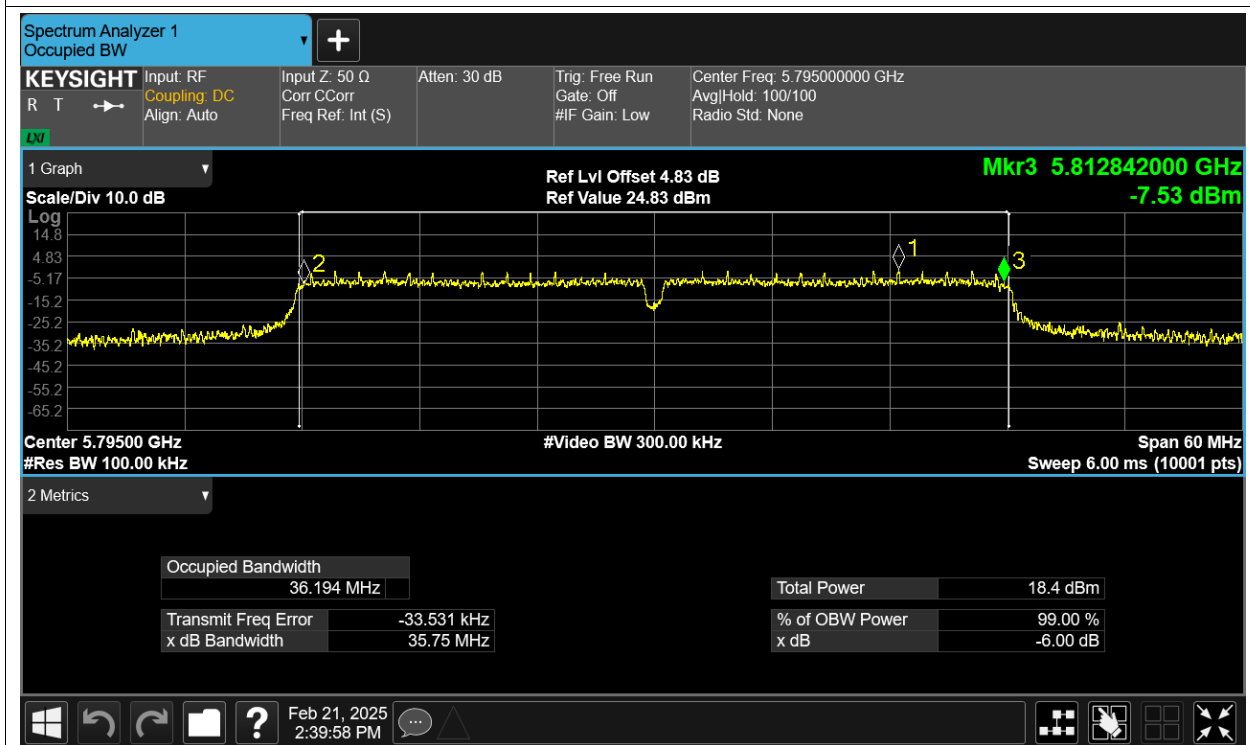
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

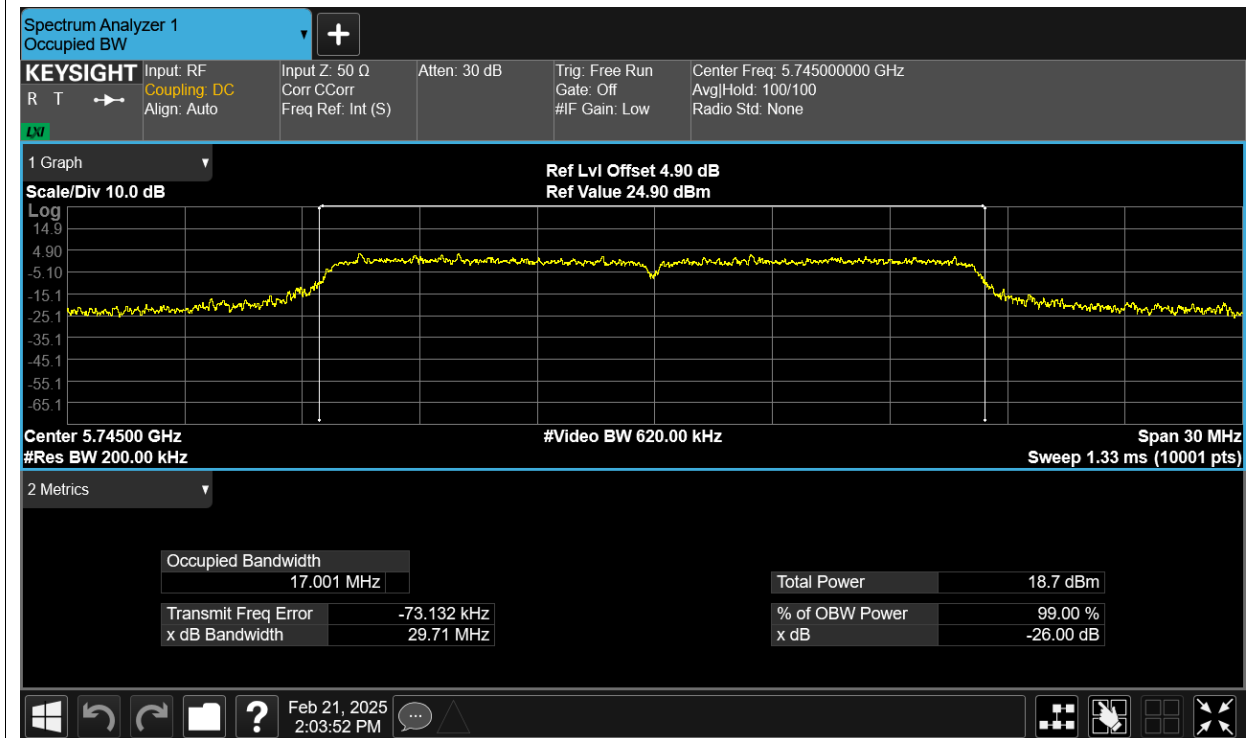


Occupied Channel Bandwidth

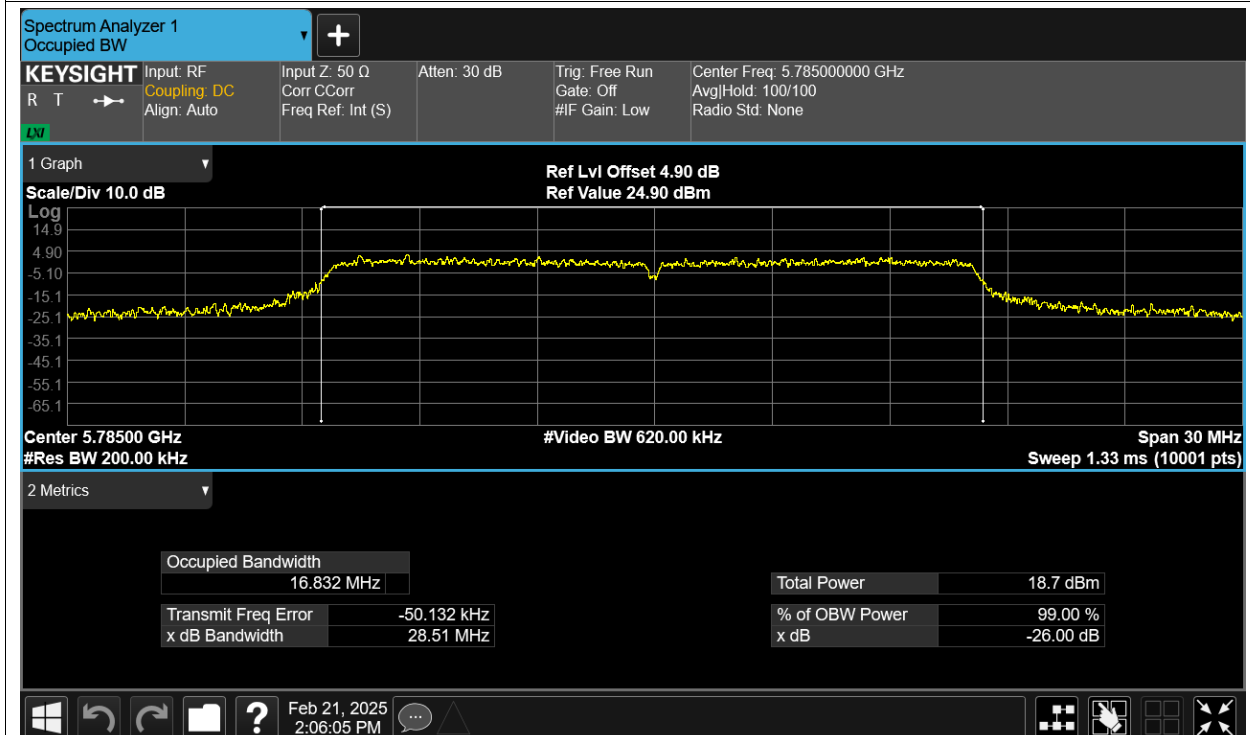
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	17.001
NVNT	a	5785	Ant1	16.832
NVNT	a	5825	Ant1	16.786
NVNT	ac20	5745	Ant1	17.811
NVNT	ac20	5785	Ant1	17.759
NVNT	ac20	5825	Ant1	17.749
NVNT	ac40	5755	Ant1	36.453
NVNT	ac40	5795	Ant1	36.367
NVNT	ac80	5775	Ant1	75.857
NVNT	n20	5745	Ant1	17.808
NVNT	n20	5785	Ant1	17.769
NVNT	n20	5825	Ant1	17.754
NVNT	n40	5755	Ant1	36.439
NVNT	n40	5795	Ant1	36.38

Test Graphs

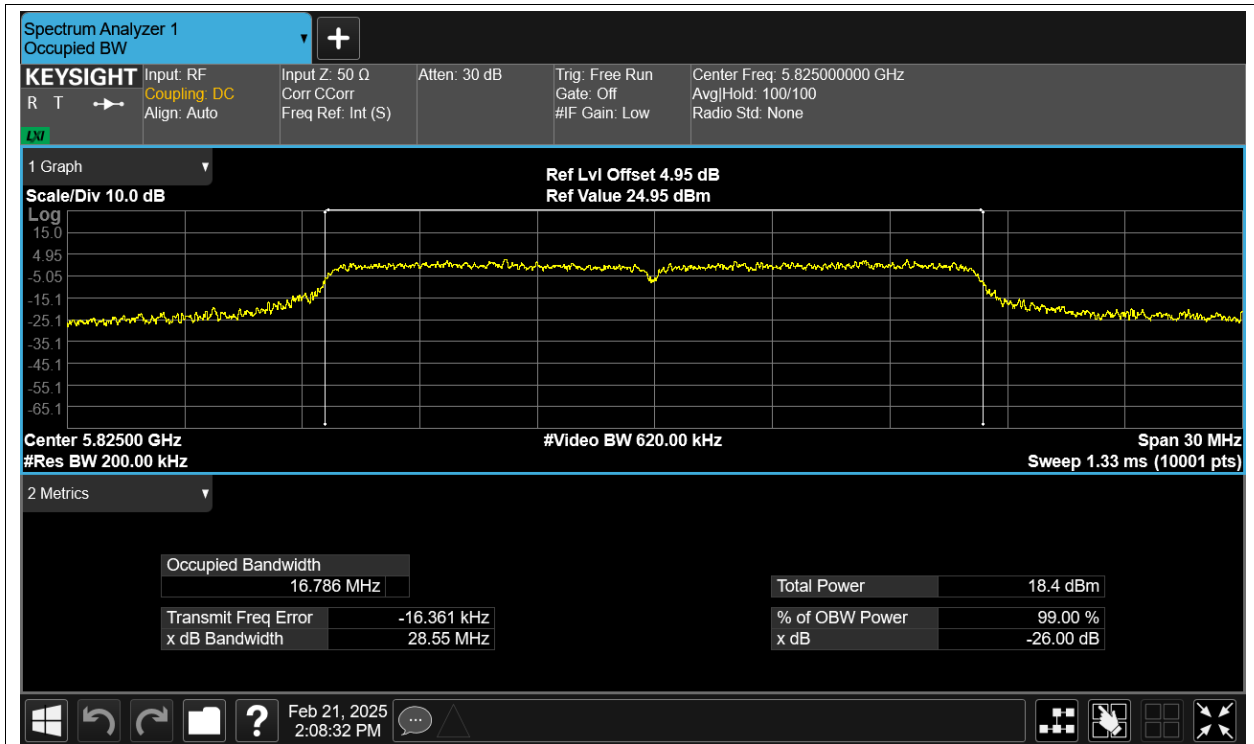
OBW NVNT a 5745MHz Ant1



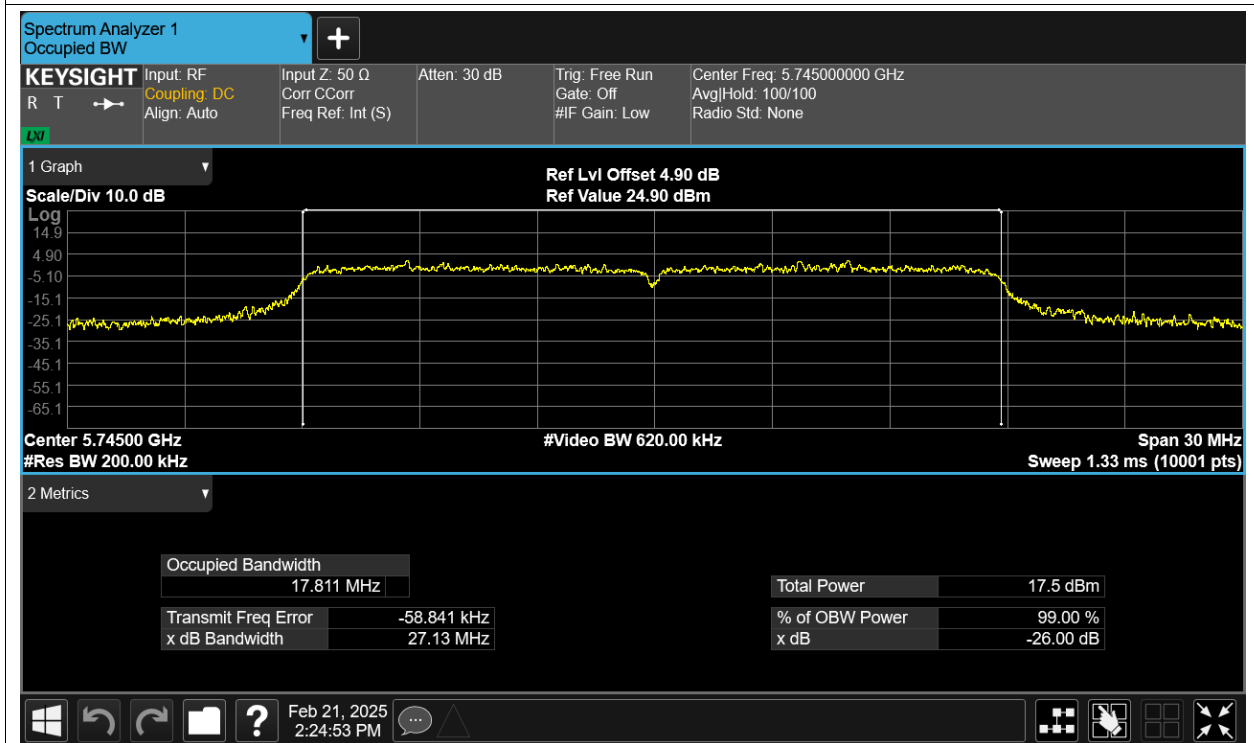
OBW NVNT a 5785MHz Ant1



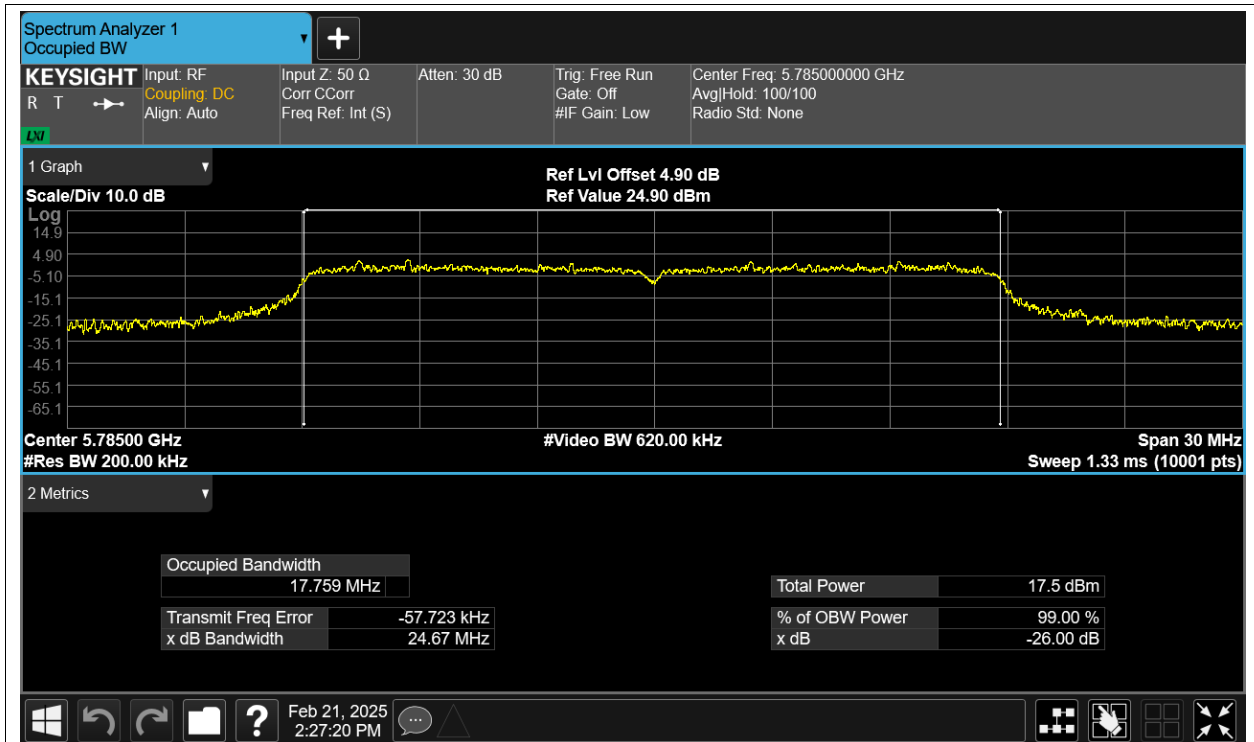
OBW NVNT a 5825MHz Ant1



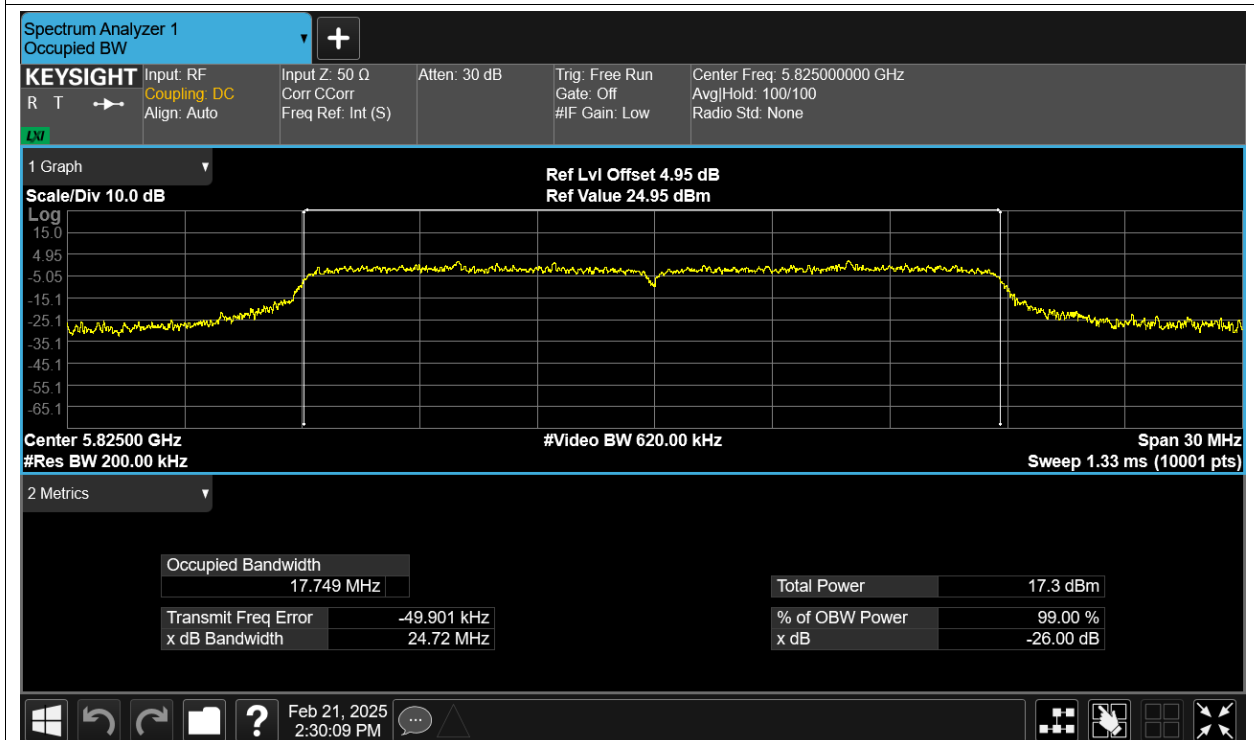
OBW NVNT ac20 5745MHz Ant1



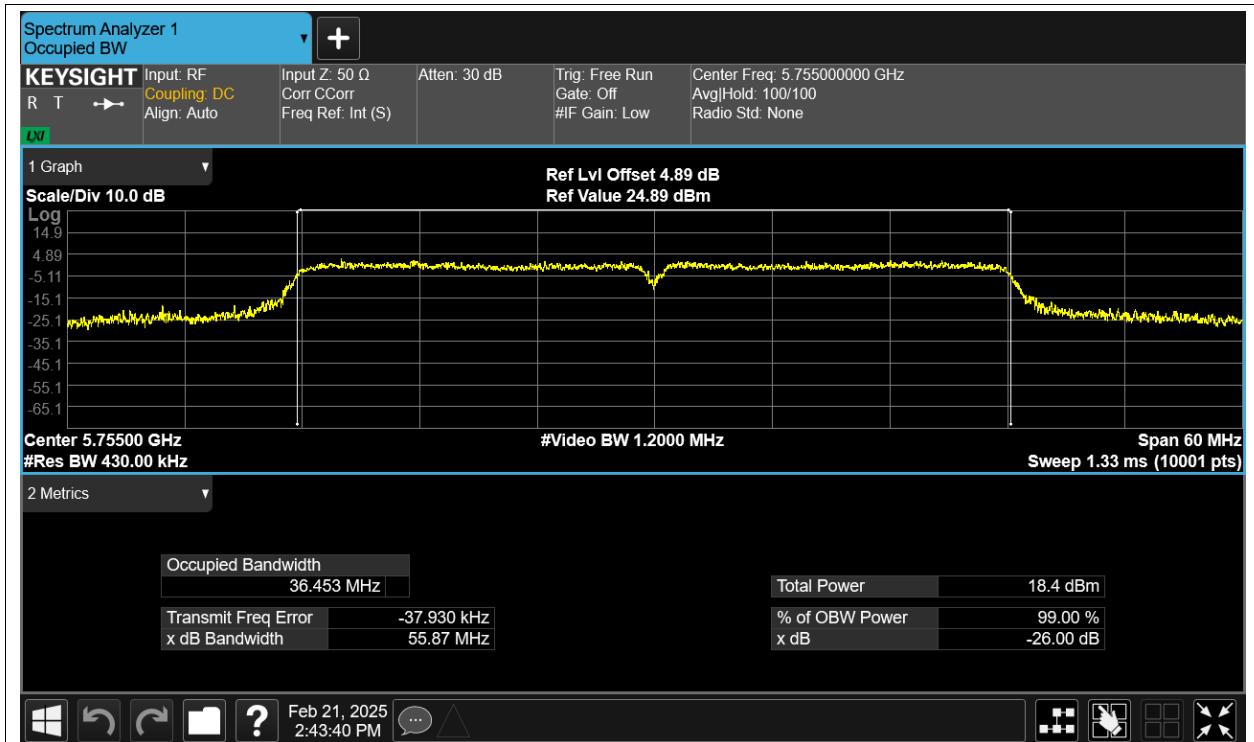
OBW NVNT ac20 5785MHz Ant1



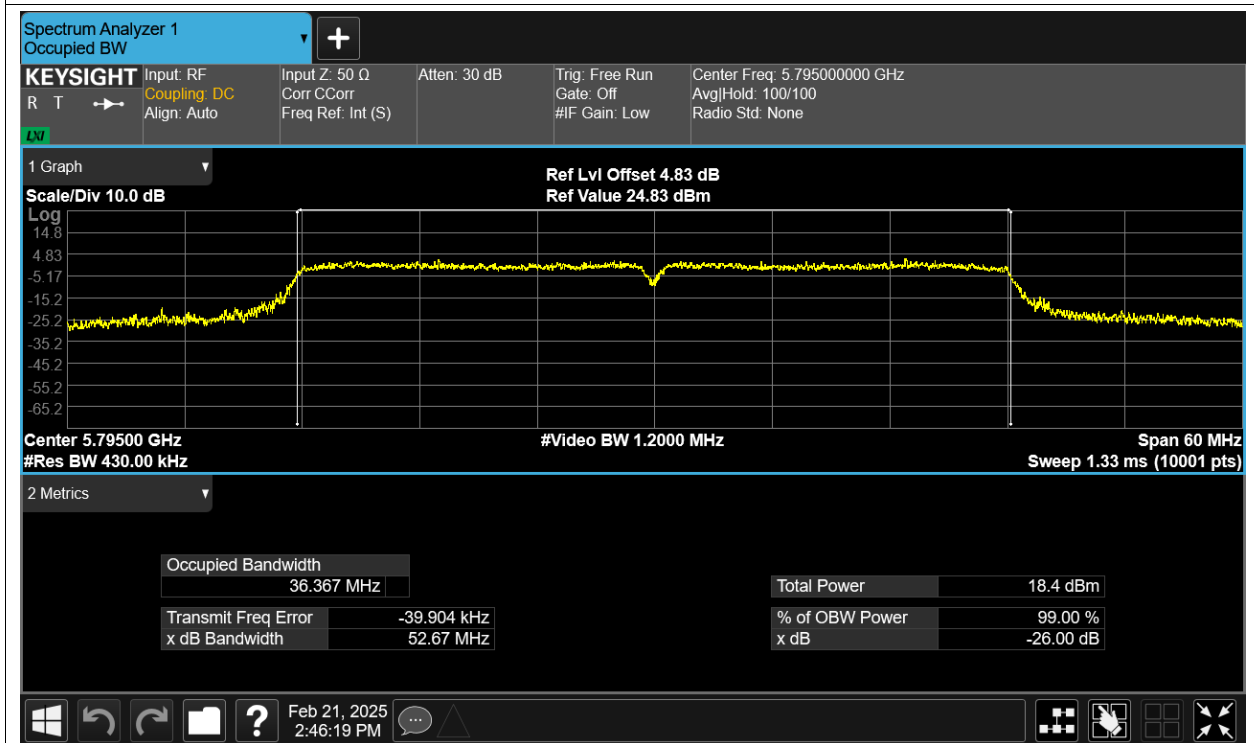
OBW NVNT ac20 5825MHz Ant1



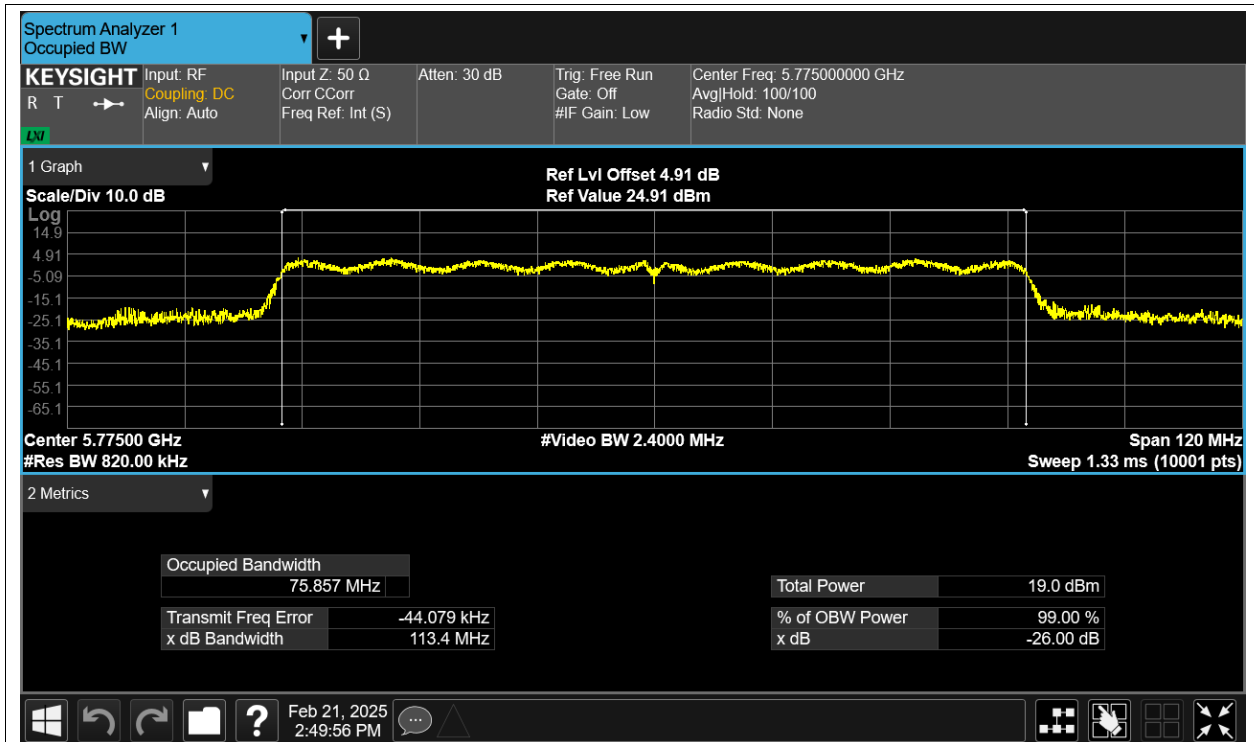
OBW NVNT ac40 5755MHz Ant1



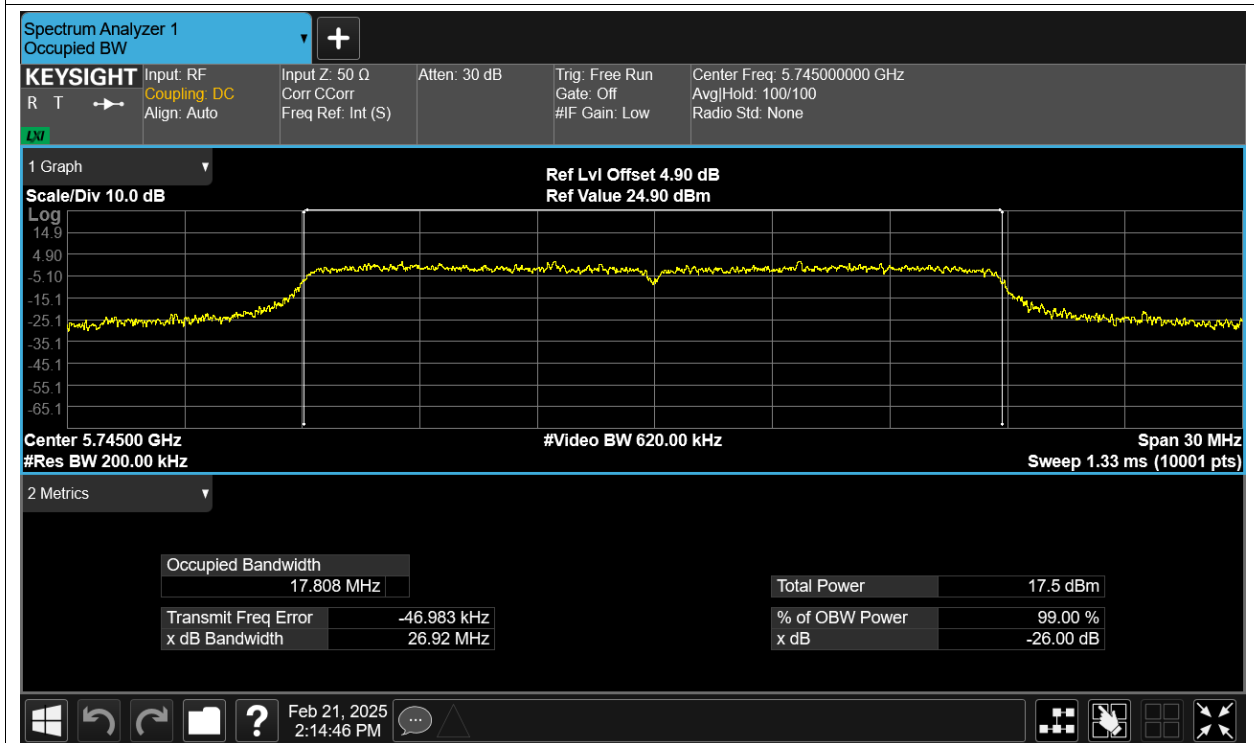
OBW NVNT ac40 5795MHz Ant1



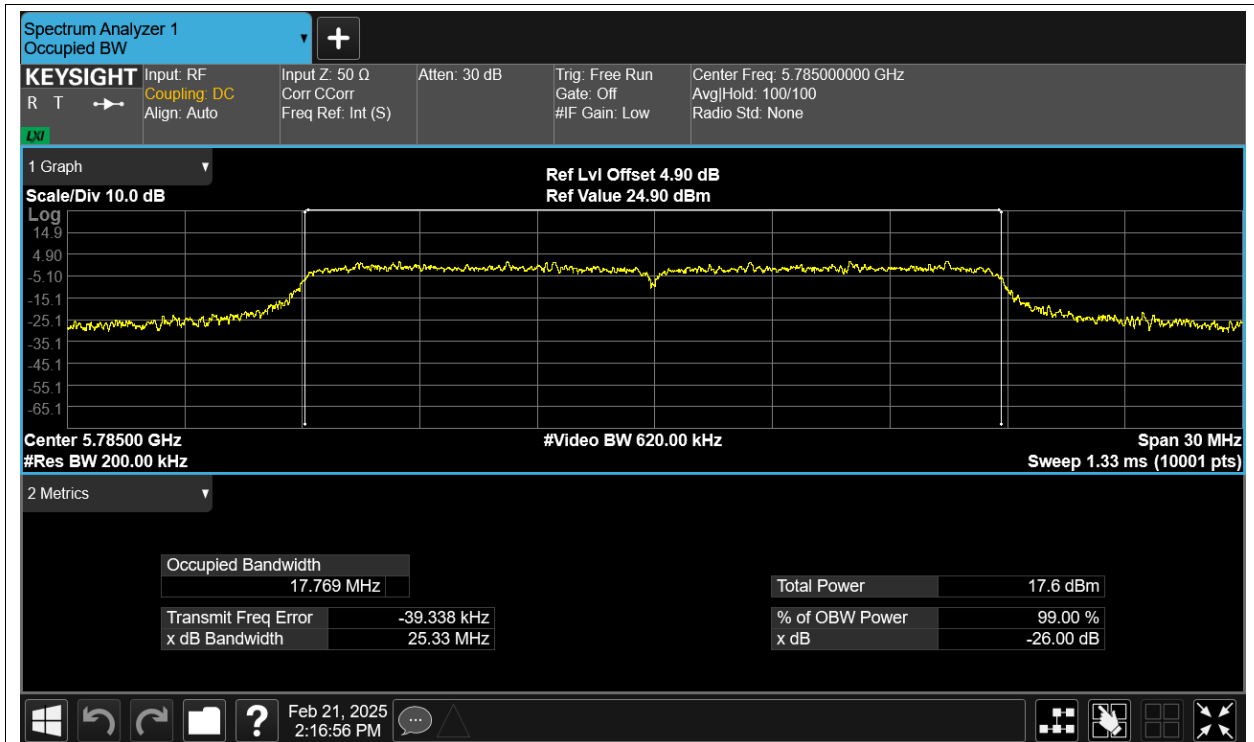
OBW NVNT ac80 5775MHz Ant1



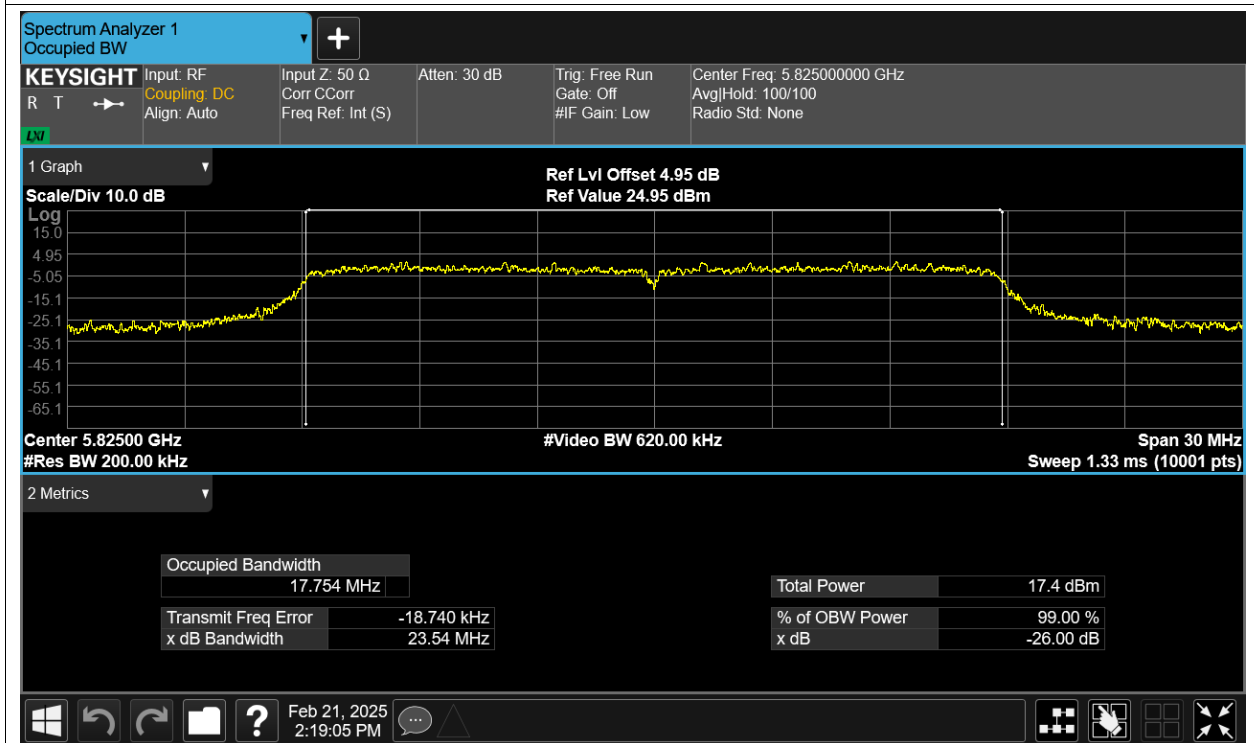
OBW NVNT n20 5745MHz Ant1



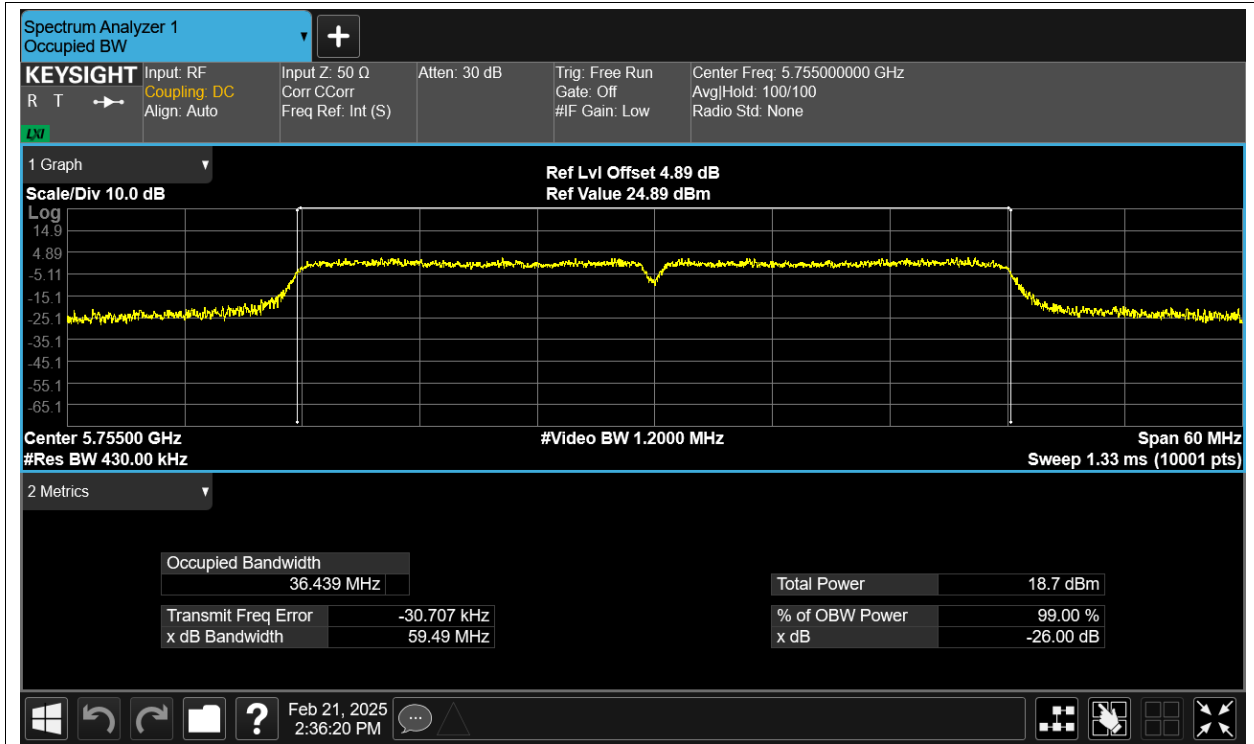
OBW NVNT n20 5785MHz Ant1



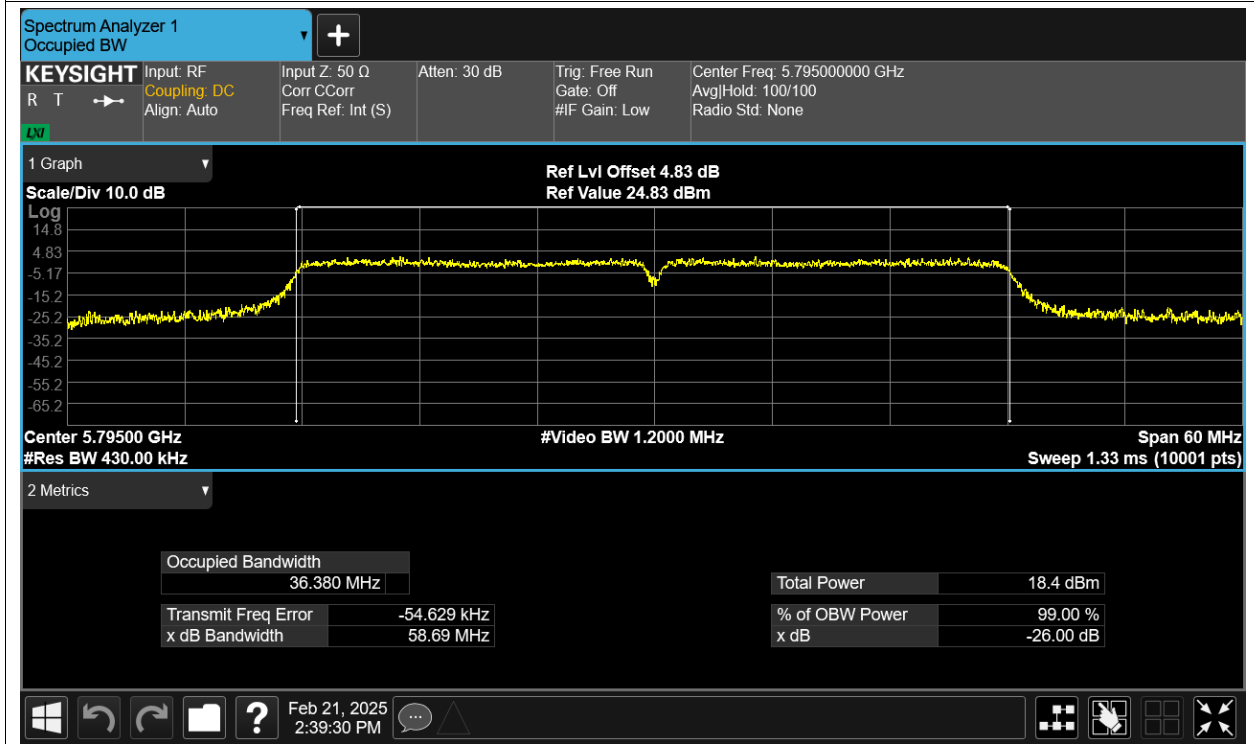
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1



Maximum Power Spectral Density Level

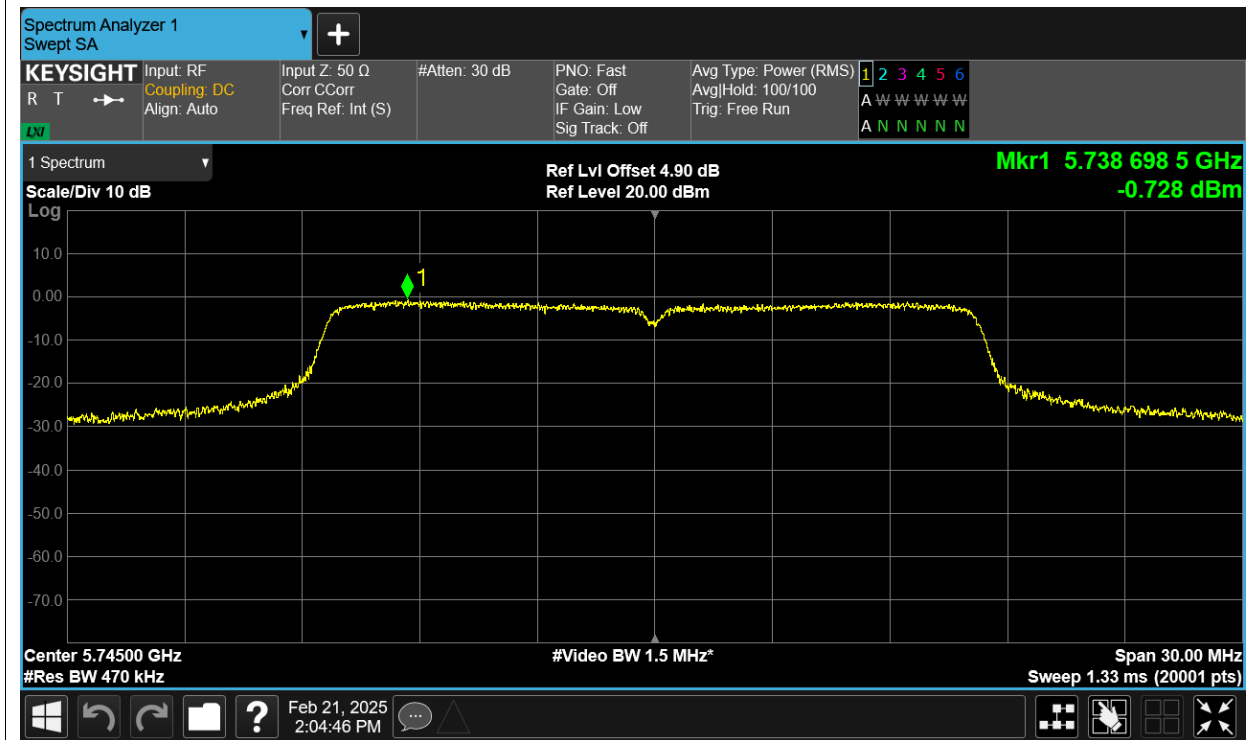
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	RBW (KHz)	Measured Factor (dB)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-0.728	470	0.27	0.2	-0.258	30	Pass
NVNT	a	5785	Ant1	-0.77	470	0.27	0.2	-0.3	30	Pass
NVNT	a	5825	Ant1	-0.837	470	0.27	0.19	-0.377	30	Pass
NVNT	ac20	5745	Ant1	-2.181	470	0.27	0.21	-1.701	30	Pass
NVNT	ac20	5785	Ant1	-2.258	470	0.27	0.19	-1.798	30	Pass
NVNT	ac20	5825	Ant1	-2.33	470	0.27	0.21	-1.85	30	Pass
NVNT	ac40	5755	Ant1	-4.593	470	0.27	0.2	-4.123	30	Pass
NVNT	ac40	5795	Ant1	-4.788	470	0.27	0.2	-4.318	30	Pass
NVNT	ac80	5775	Ant1	-6.875	470	0.27	0.2	-6.405	30	Pass
NVNT	n20	5745	Ant1	-2.402	470	0.27	0.21	-1.922	30	Pass
NVNT	n20	5785	Ant1	-2.278	470	0.27	0.18	-1.828	30	Pass
NVNT	n20	5825	Ant1	-2.666	470	0.27	0.2	-2.196	30	Pass
NVNT	n40	5755	Ant1	-4.468	470	0.27	0.21	-3.988	30	Pass
NVNT	n40	5795	Ant1	-4.781	470	0.27	0.2	-4.311	30	Pass

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

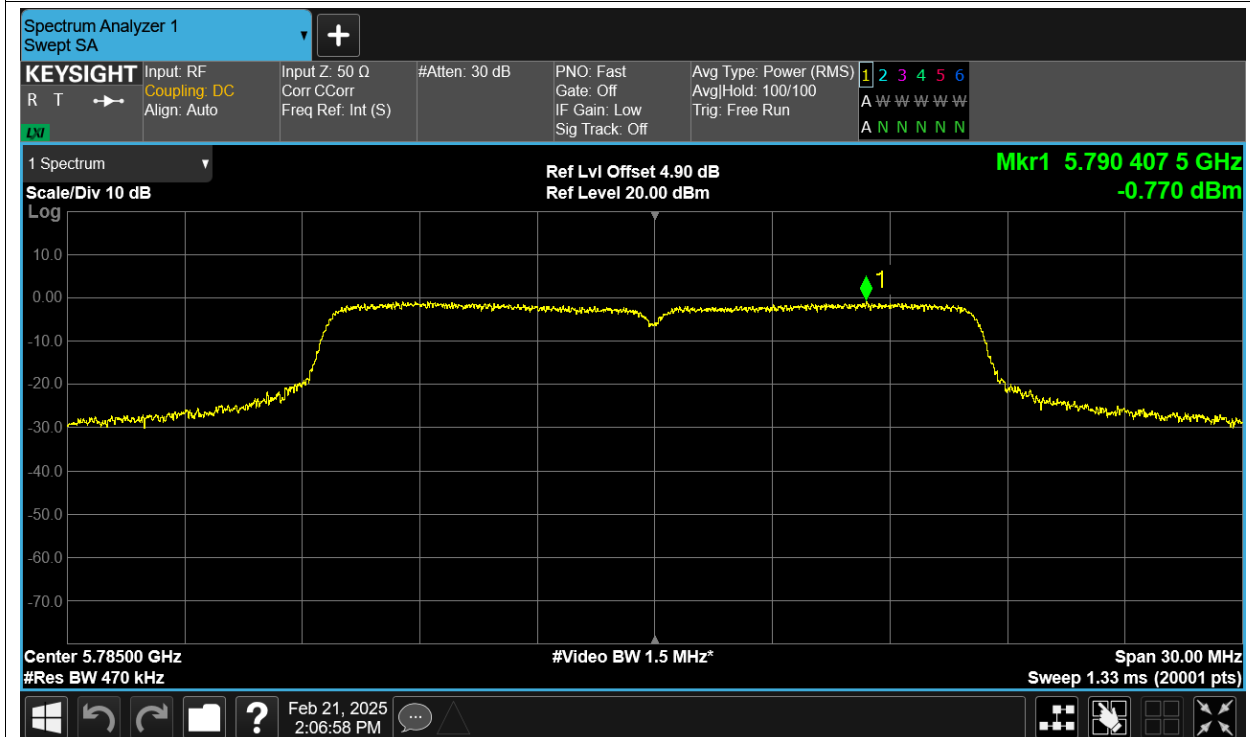
Measured Factor= 10 log (MBW/RBW), MBW=500 KHz.

Test Graphs

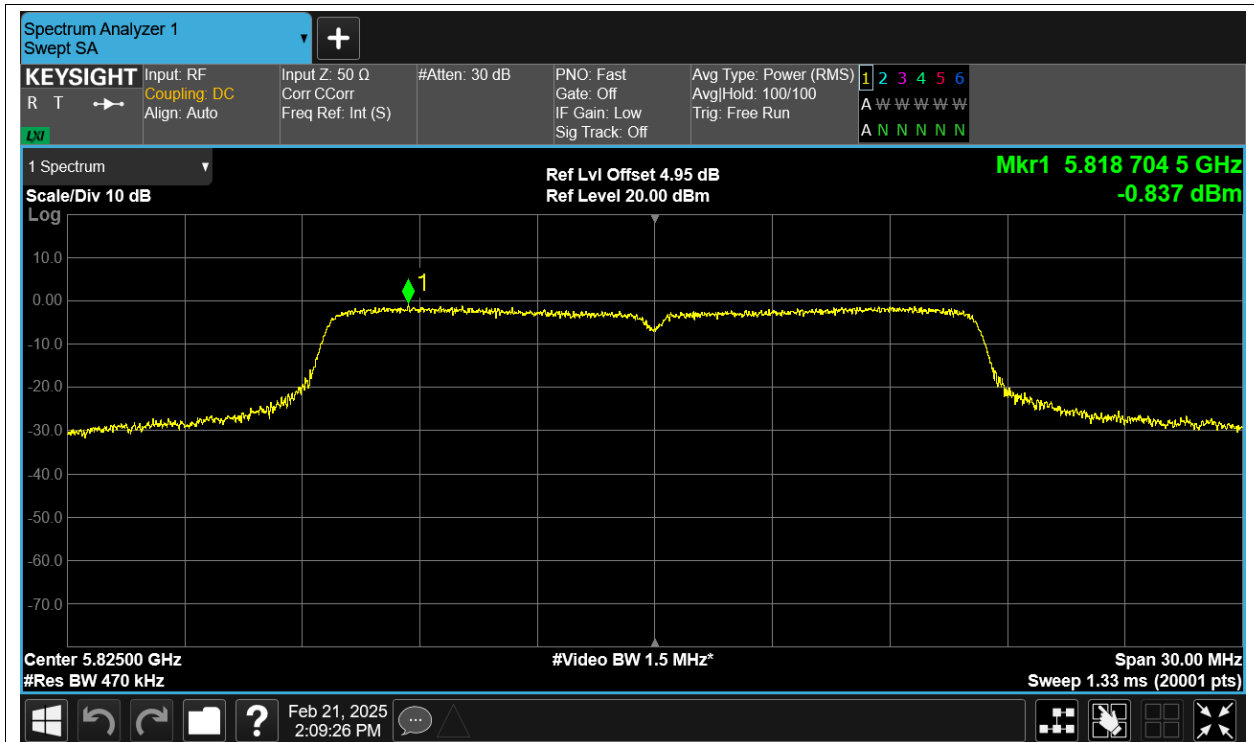
PSD NVNT a 5745MHz Ant1



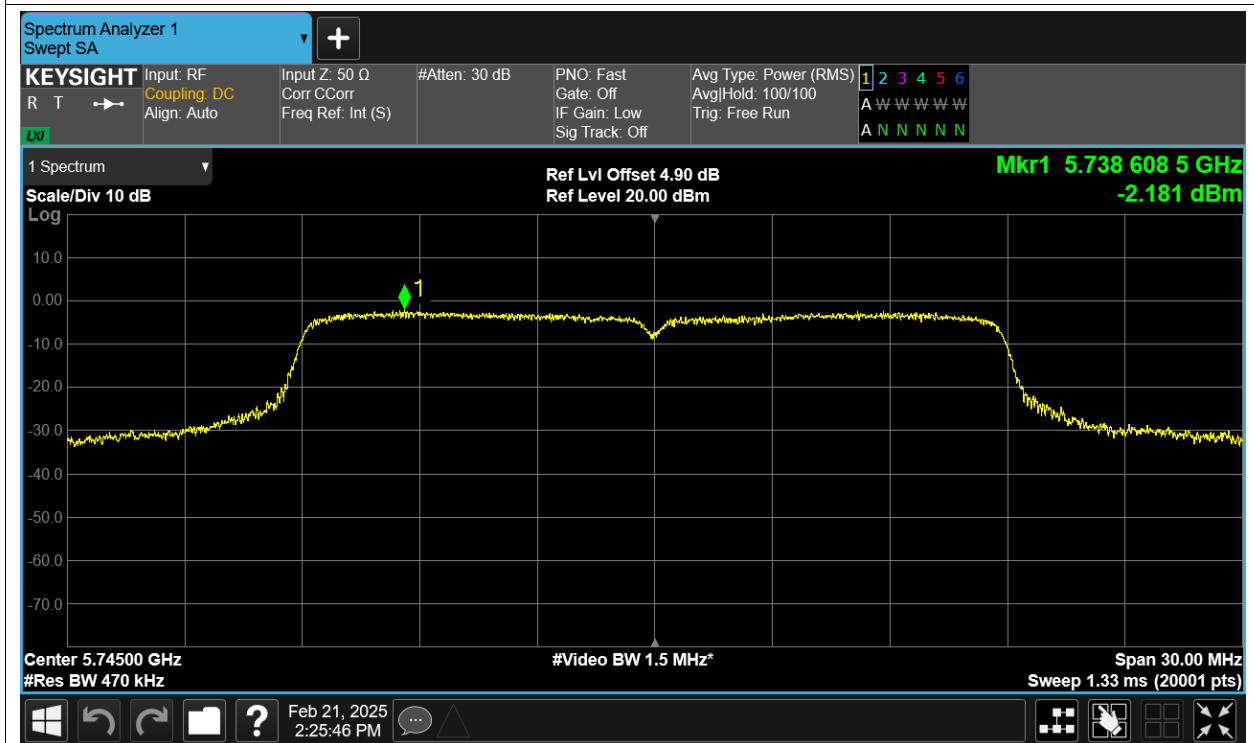
PSD NVNT a 5785MHz Ant1



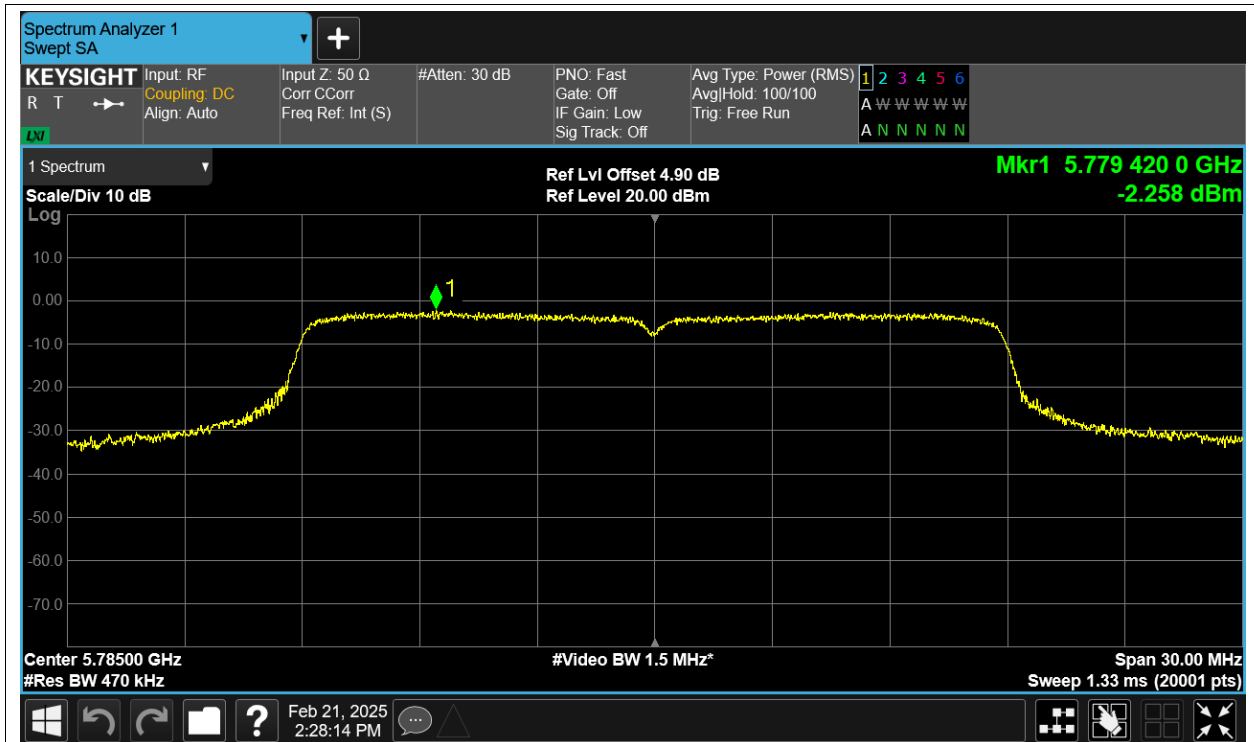
PSD NVNT a 5825MHz Ant1



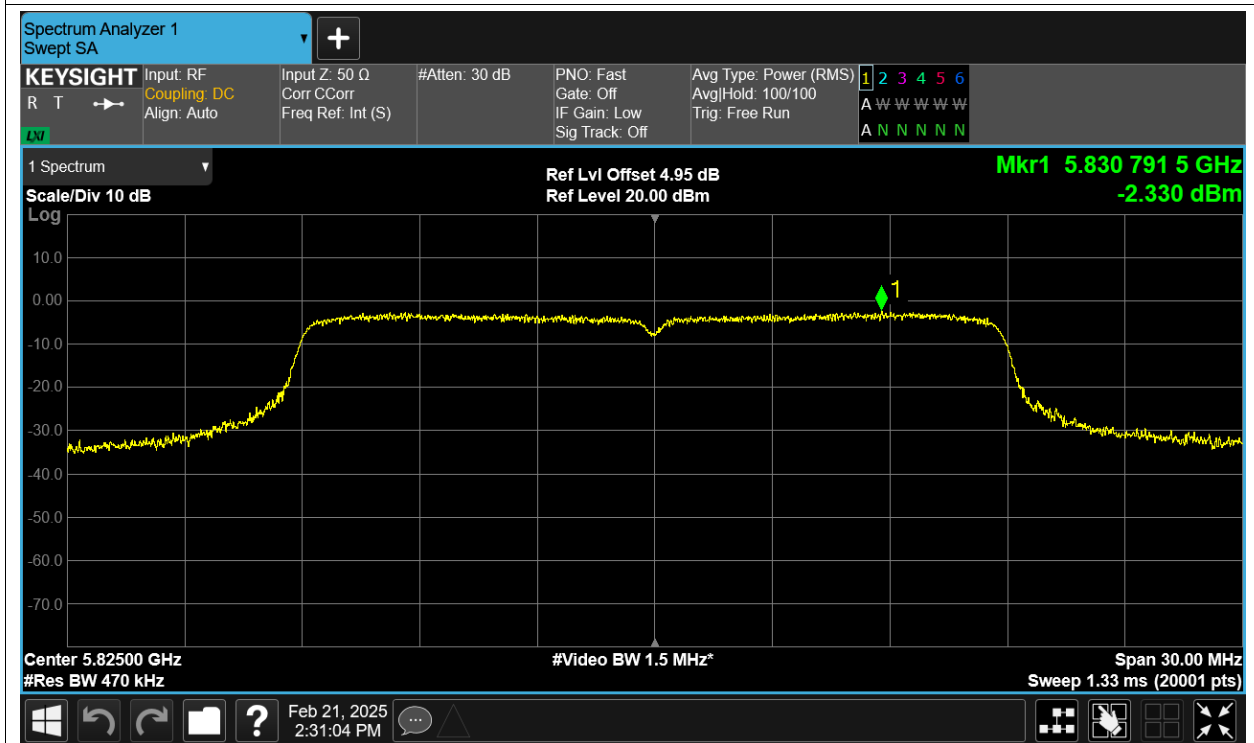
PSD NVNT ac20 5745MHz Ant1



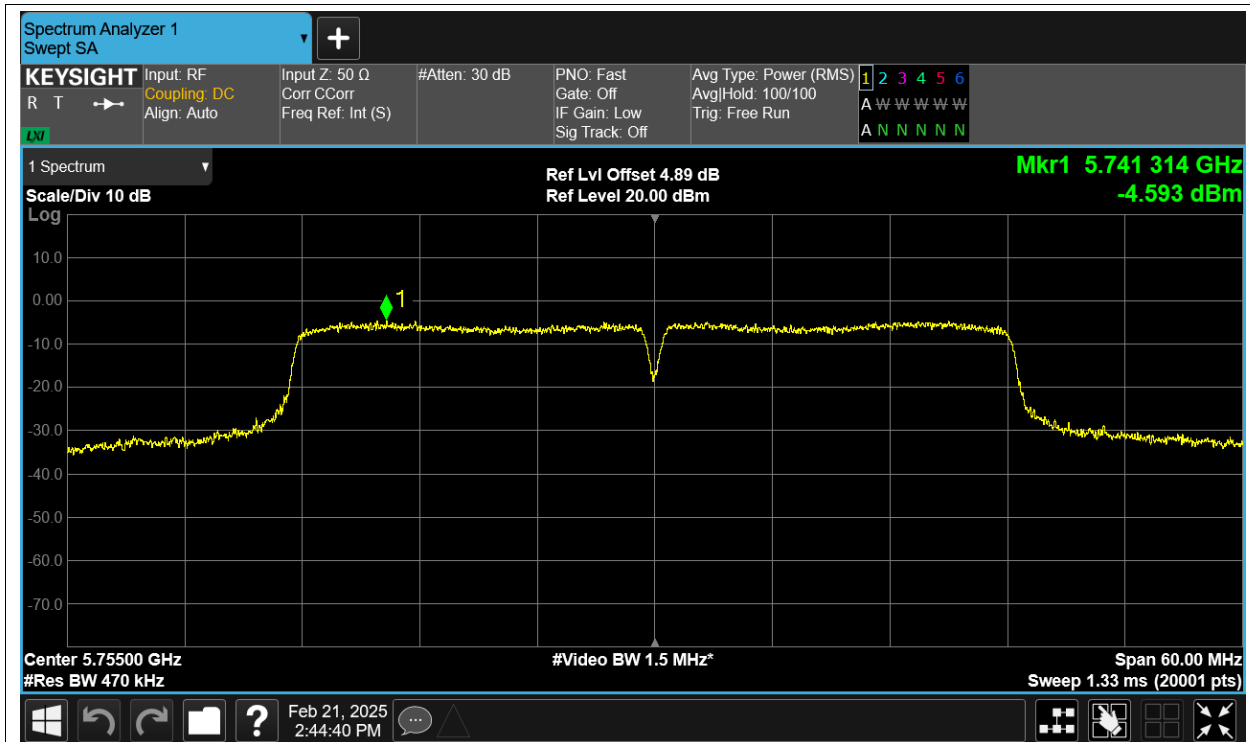
PSD NVNT ac20 5785MHz Ant1



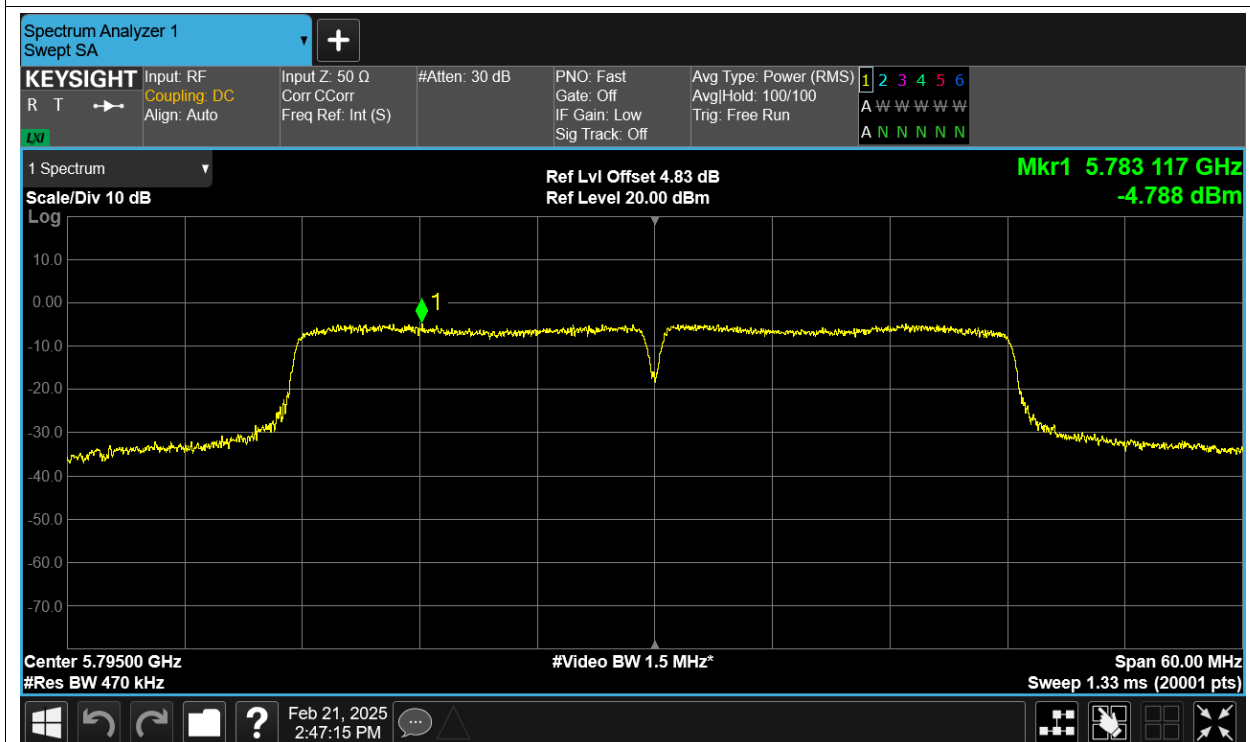
PSD NVNT ac20 5825MHz Ant1



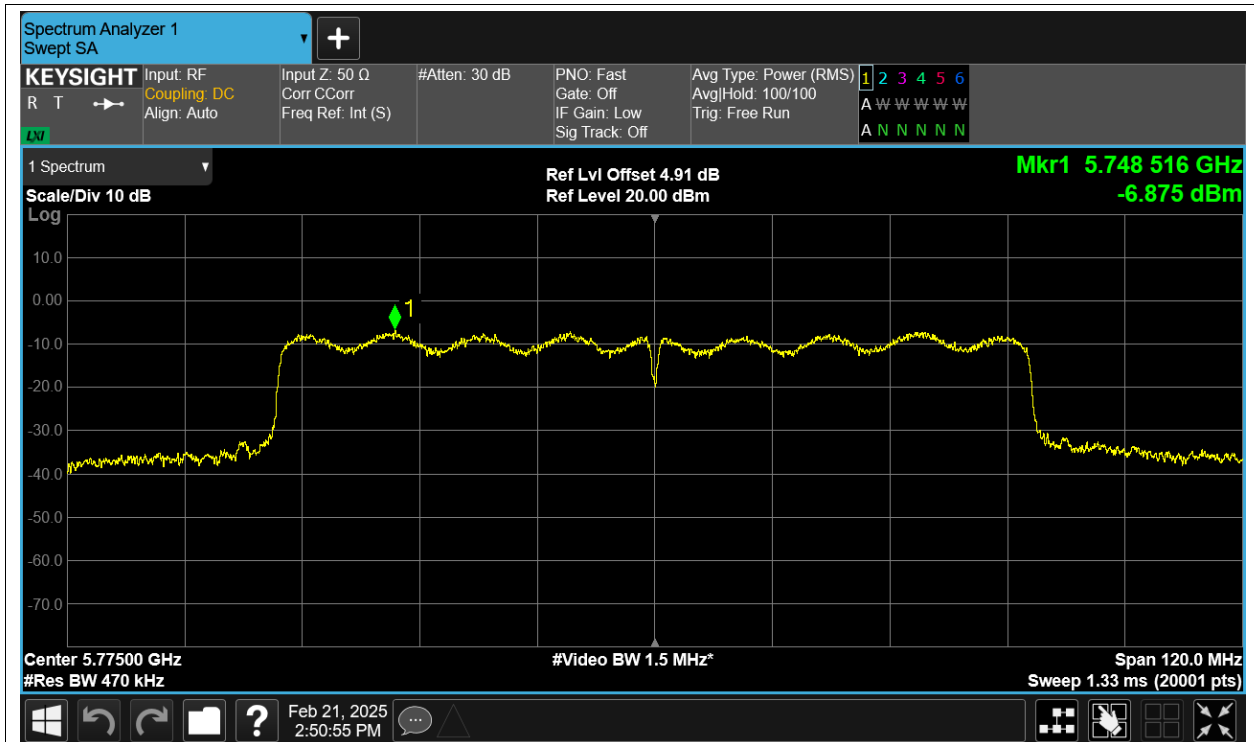
PSD NVNT ac40 5755MHz Ant1



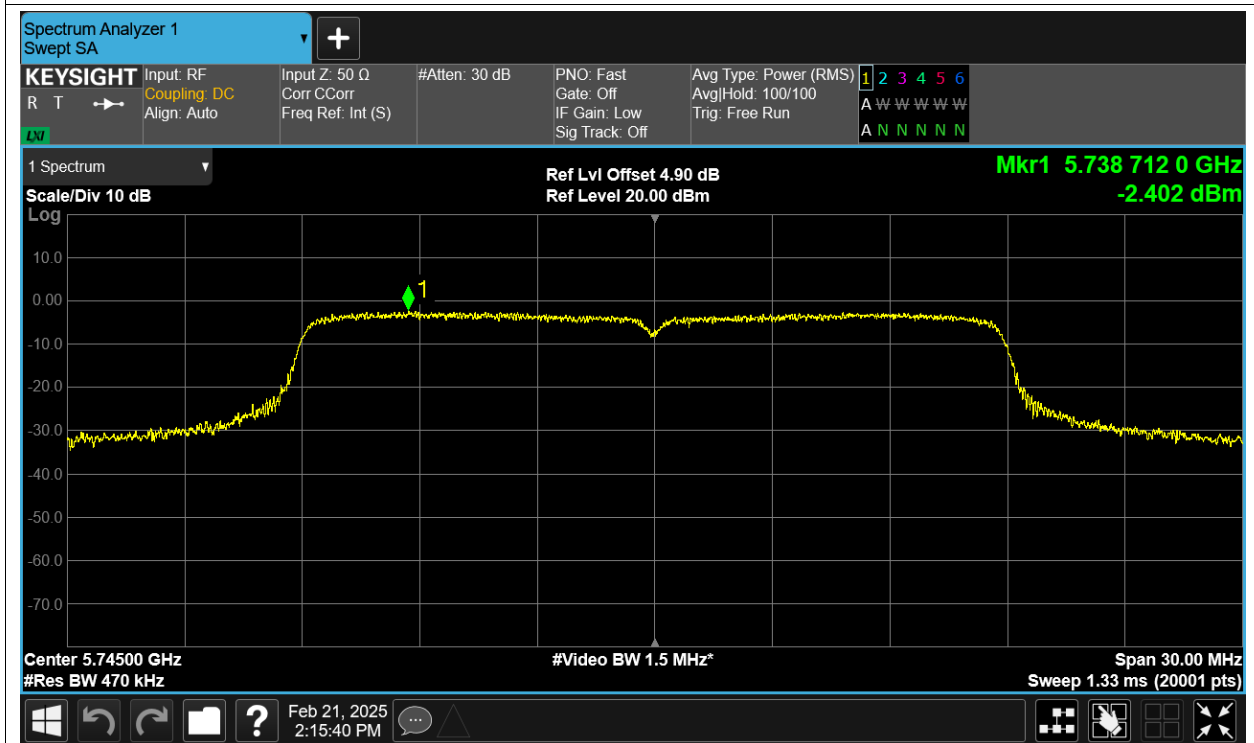
PSD NVNT ac40 5795MHz Ant1



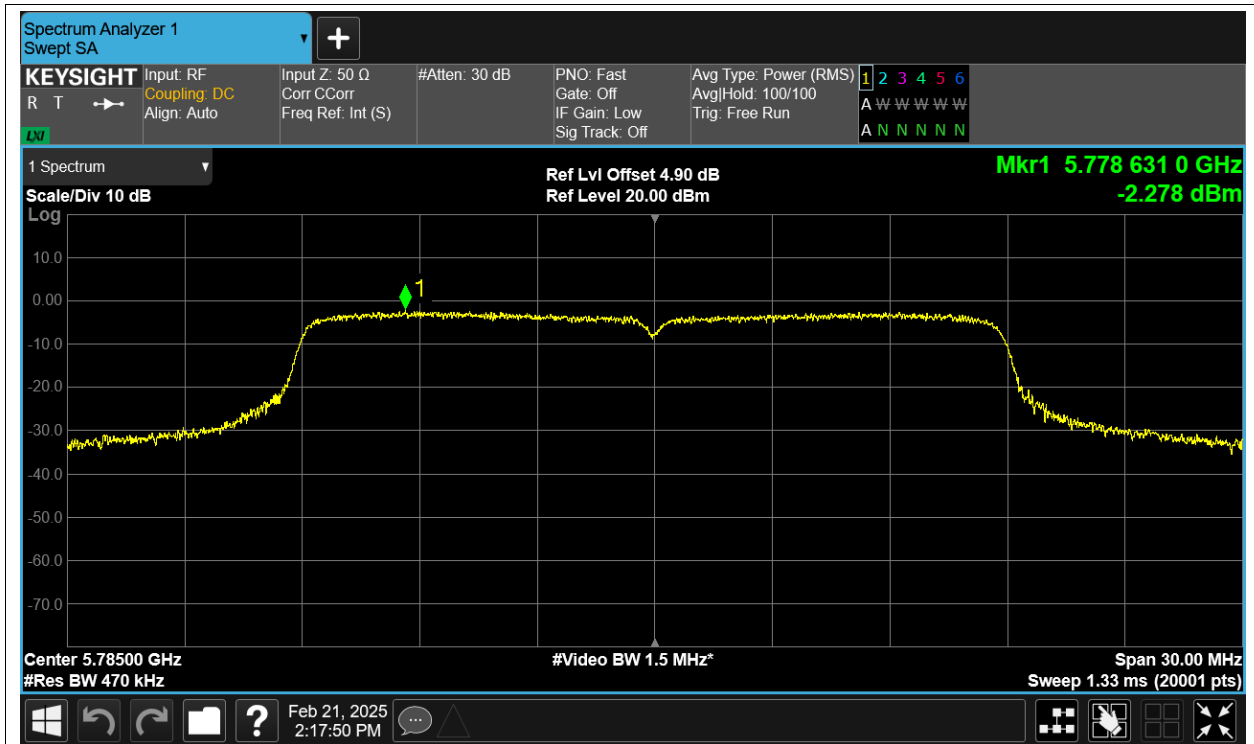
PSD NVNT ac80 5775MHz Ant1



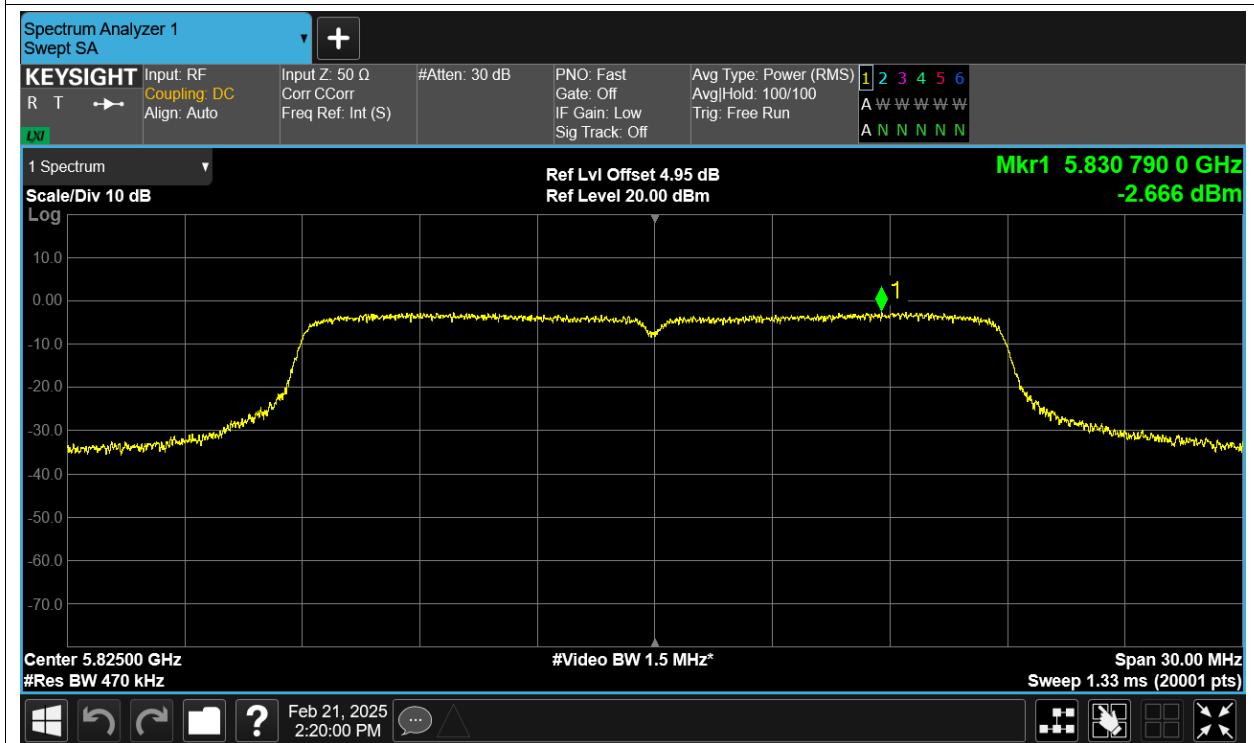
PSD NVNT n20 5745MHz Ant1



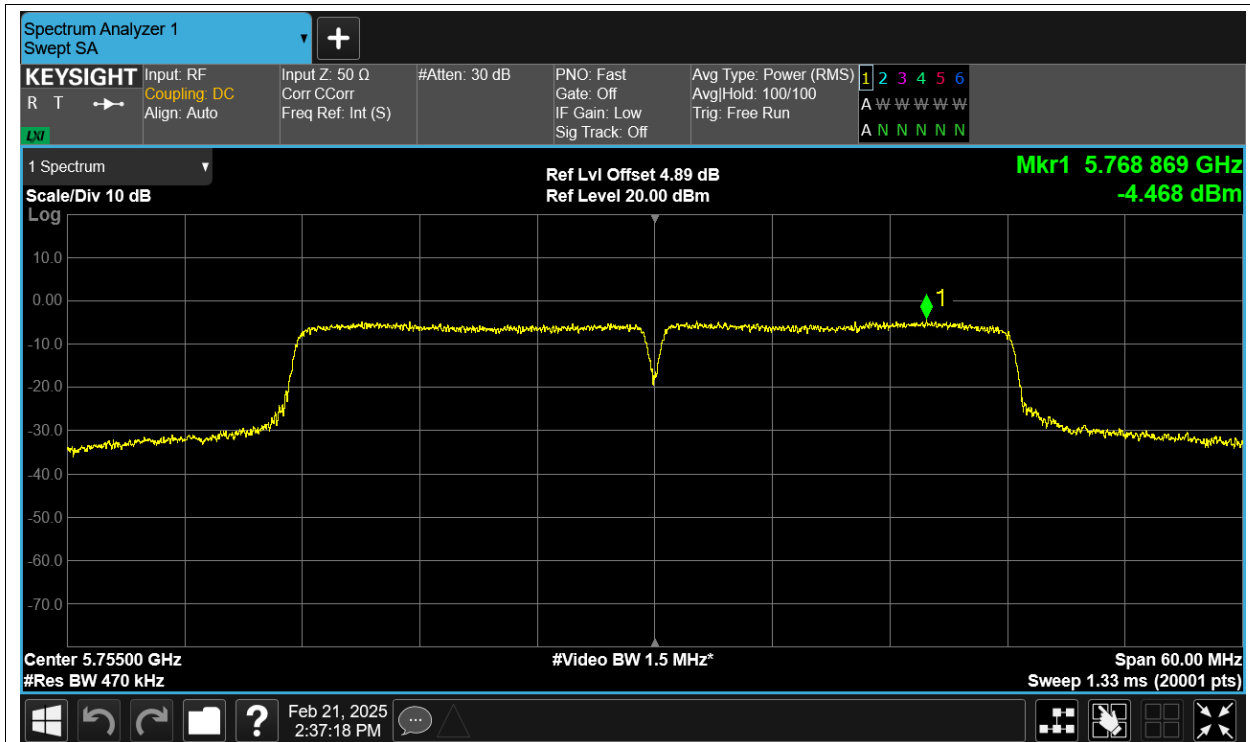
PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

