

Test Data

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5745	Ant12	5744.9926	-1.29	Within authorized band	Pass
LVNT	a	5745	Ant12	5744.9928	-1.25		Pass
NVHT	a	5745	Ant12	5744.993	-1.22		Pass
NVLT	a	5745	Ant12	5744.9934	-1.15		Pass
NVNT	a	5745	Ant12	5744.9942	-1.01		Pass
HVNT	ac80	5775	Ant12	5774.991	-1.56		Pass
LVNT	ac80	5775	Ant12	5774.9918	-1.42		Pass
NVHT	ac80	5775	Ant12	5774.9908	-1.59		Pass
NVLT	ac80	5775	Ant12	5774.9924	-1.32		Pass
NVNT	ac80	5775	Ant12	5774.991	-1.56		Pass
HVNT	n40	5755	Ant12	5754.9918	-1.42		Pass
LVNT	n40	5755	Ant12	5754.9922	-1.36		Pass
NVHT	n40	5755	Ant12	5754.9924	-1.32		Pass
NVLT	n40	5755	Ant12	5754.9928	-1.25		Pass
NVNT	n40	5755	Ant12	5754.9934	-1.15		Pass

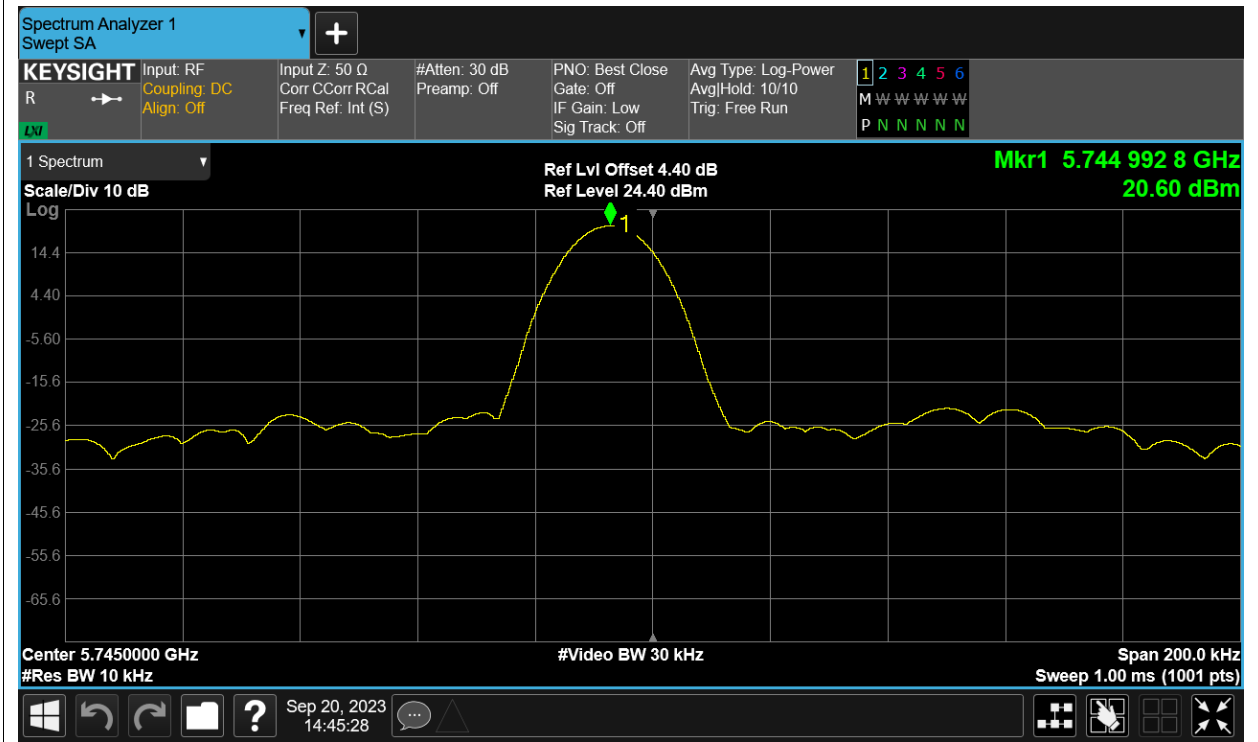
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature

Test Graphs

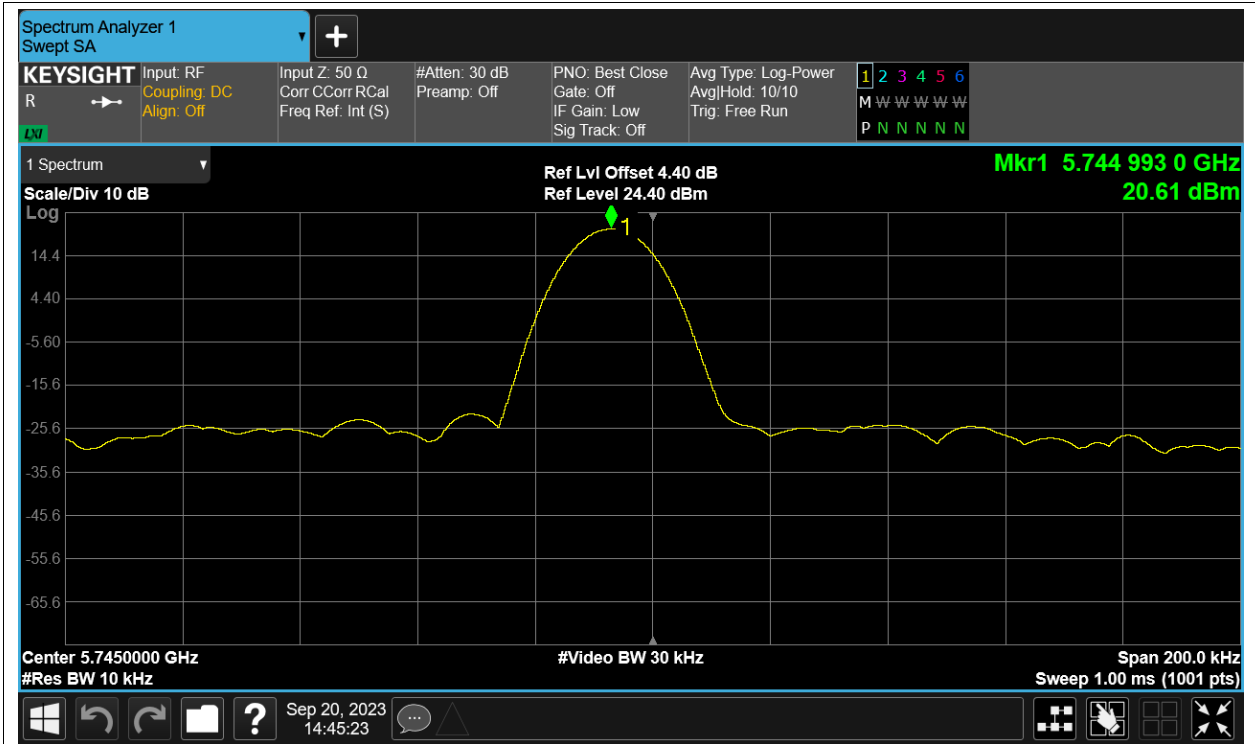
Freq. Stability HVNT a 5745MHz Ant12



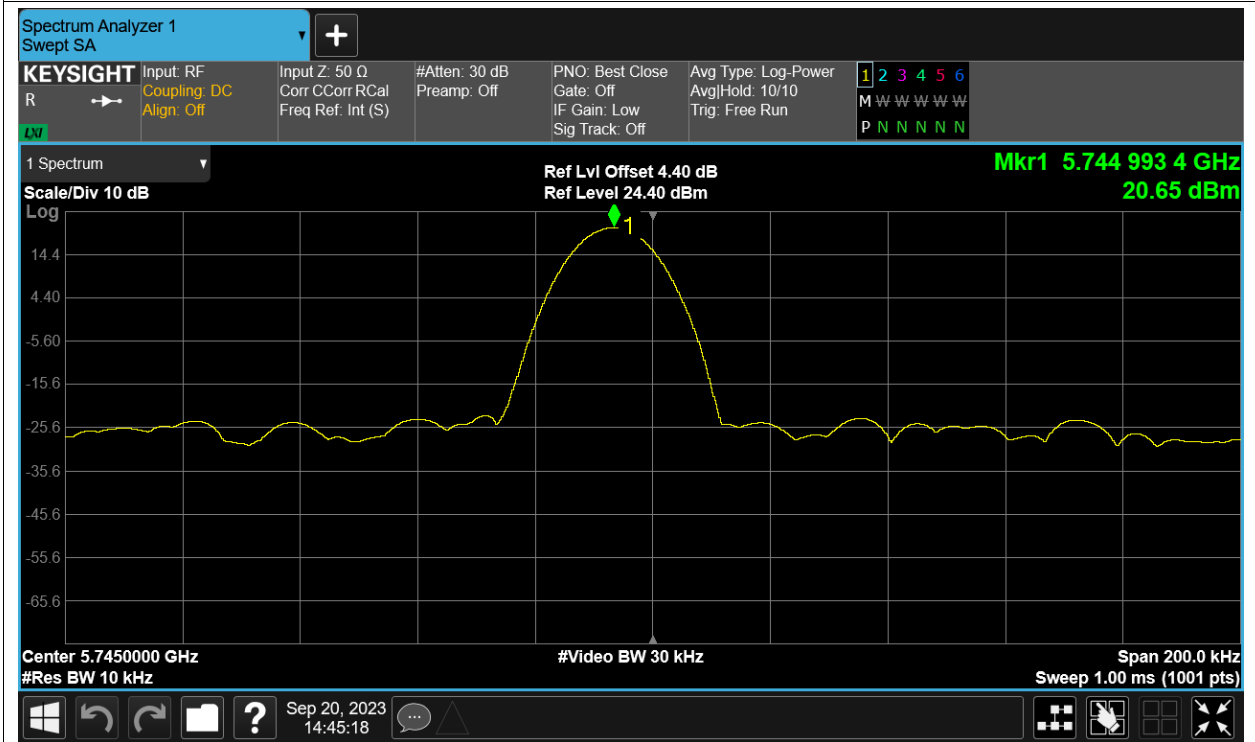
Freq. Stability LVNT a 5745MHz Ant12



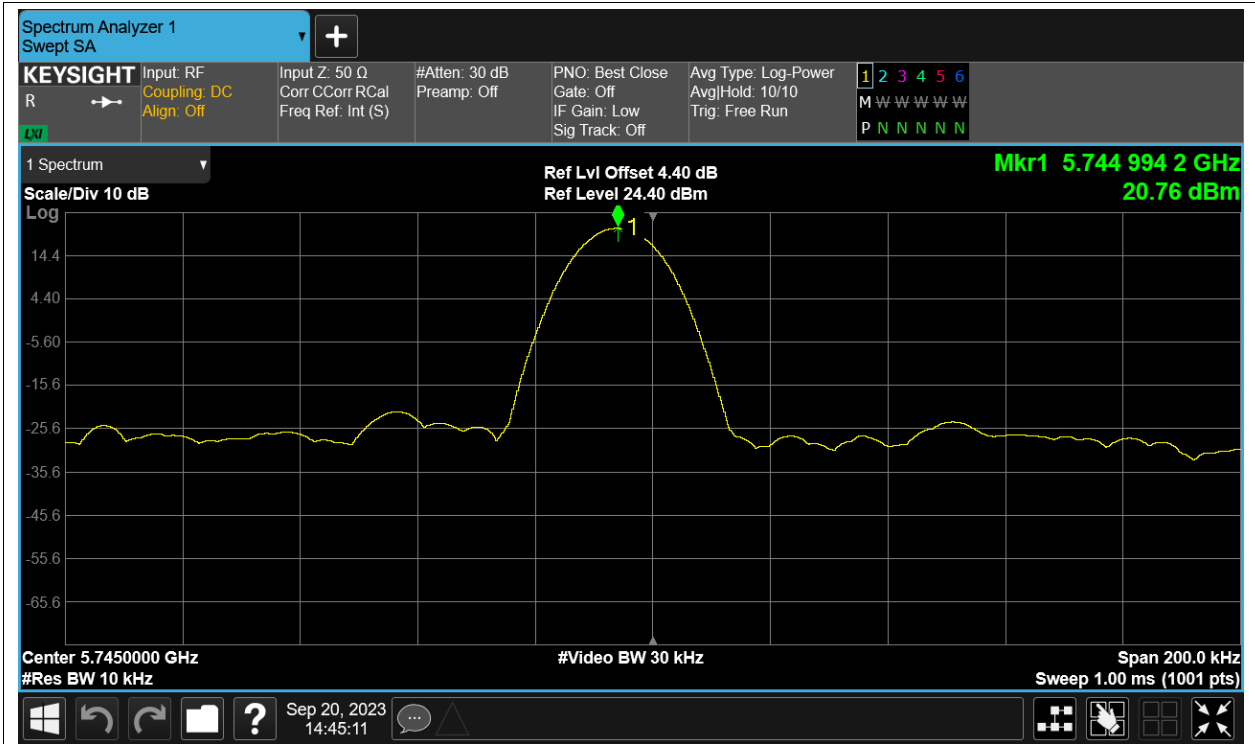
Freq. Stability NVHT a 5745MHz Ant12



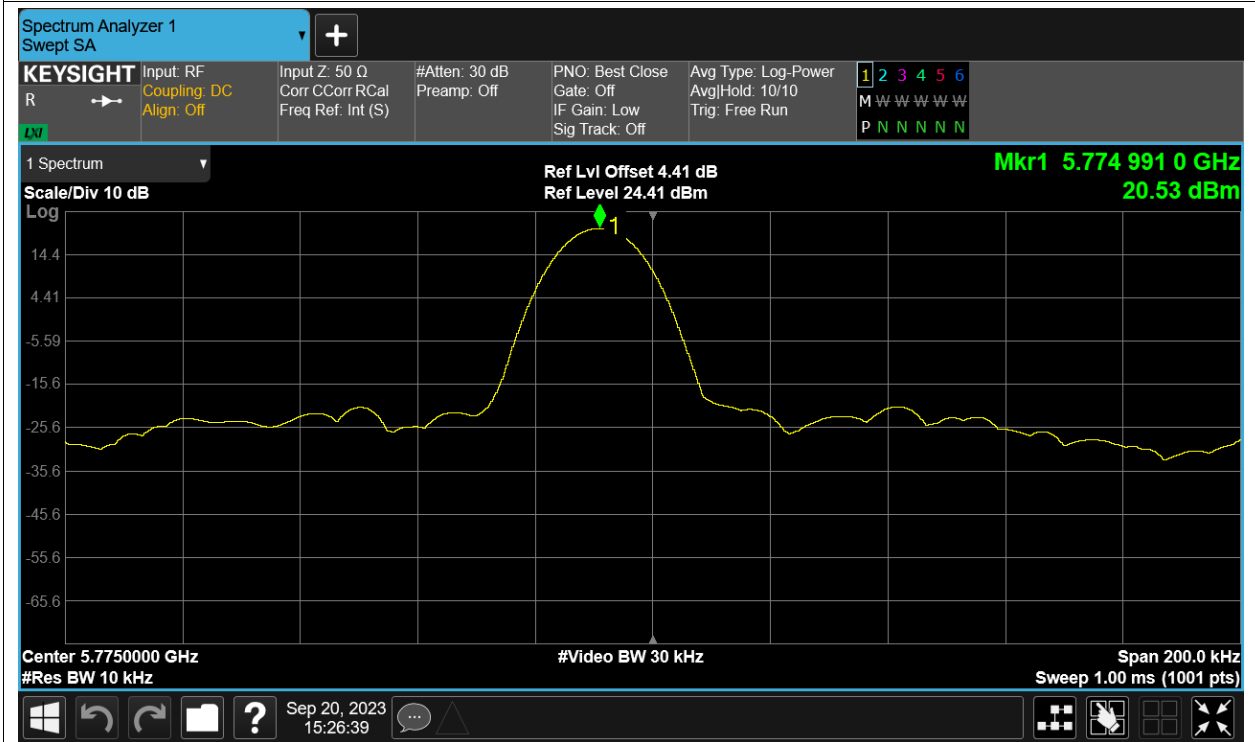
Freq. Stability NVLT a 5745MHz Ant12



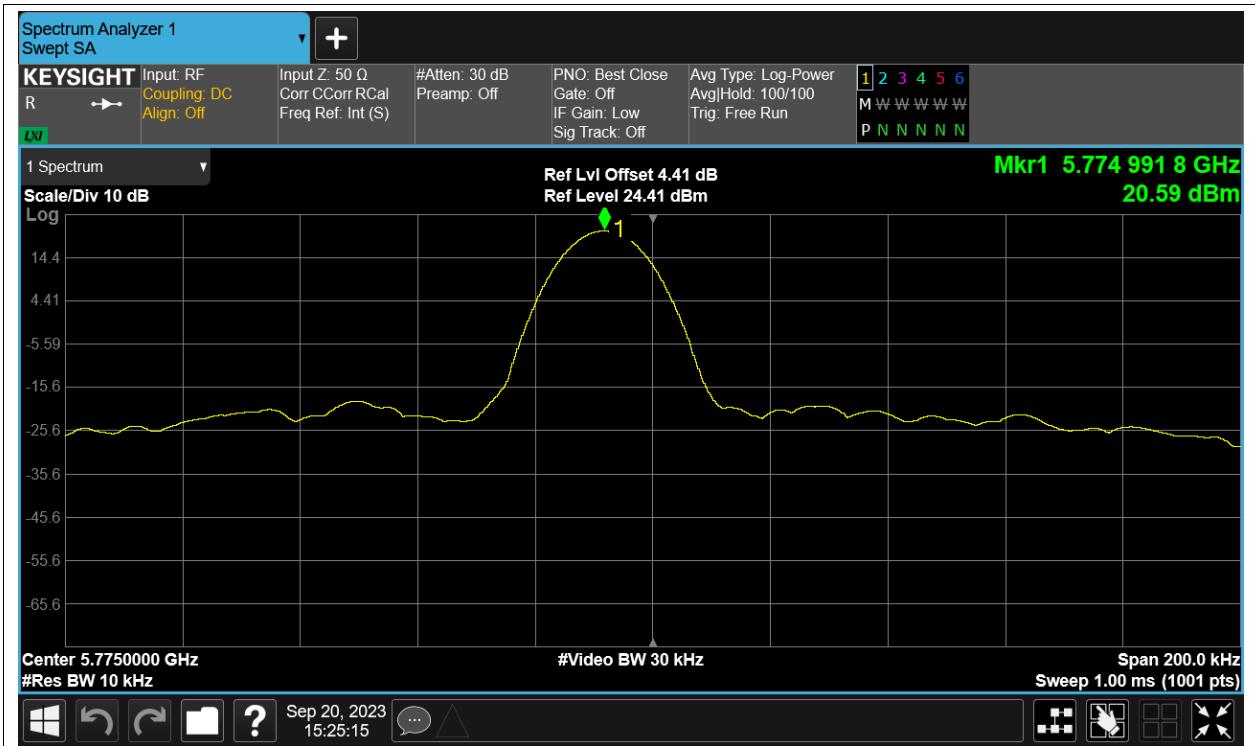
Freq. Stability NVNT a 5745MHz Ant12



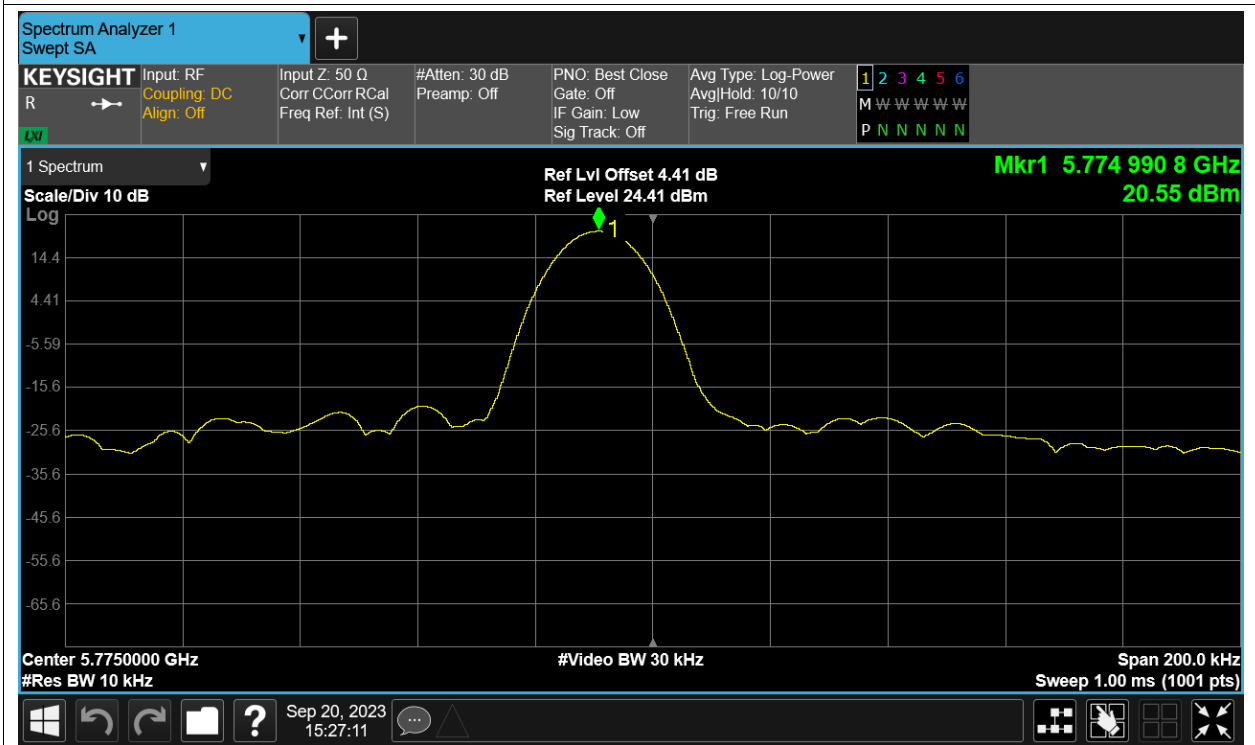
Freq. Stability HVNT ac80 5775MHz Ant12



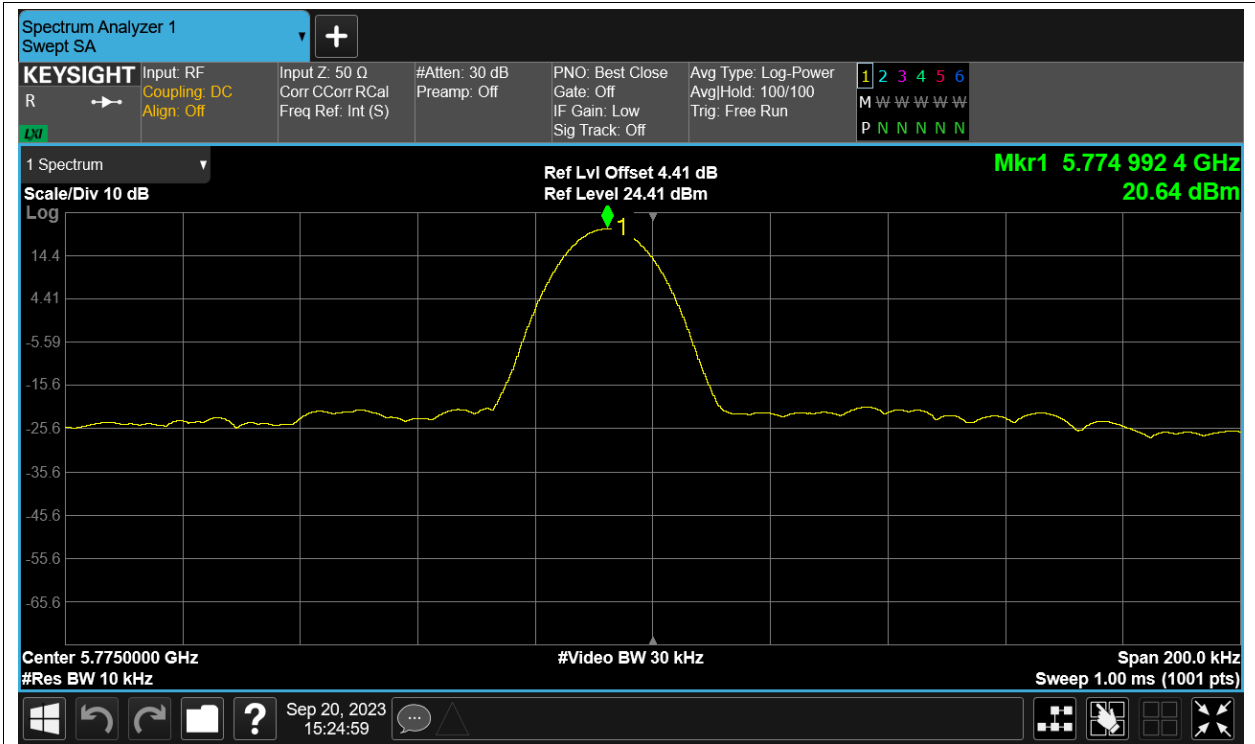
Freq. Stability LVNT ac80 5775MHz Ant12



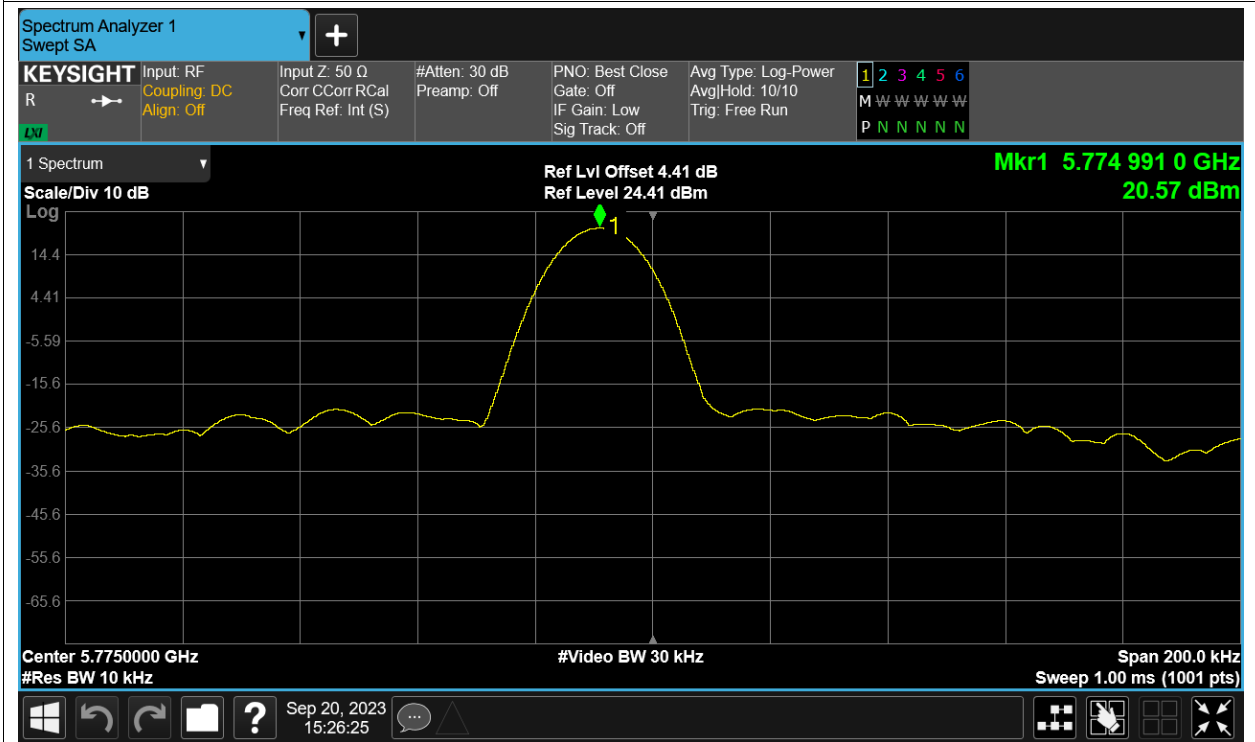
Freq. Stability NVHT ac80 5775MHz Ant12



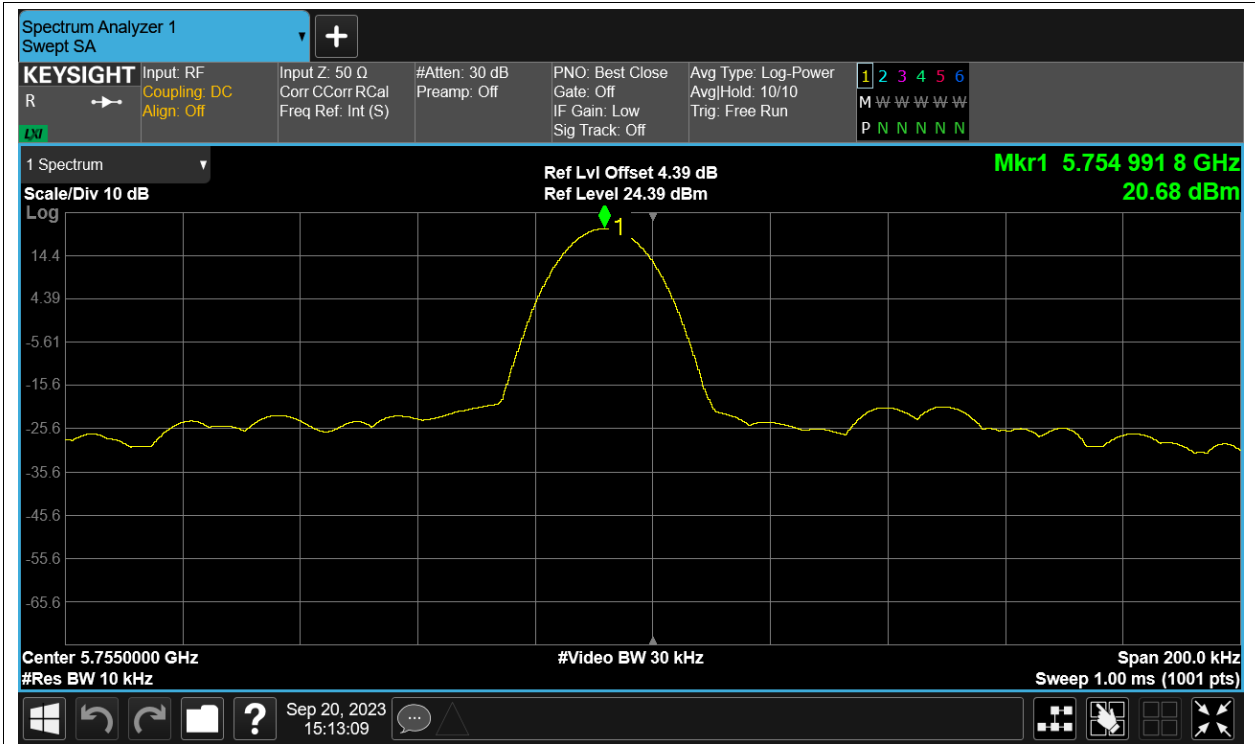
Freq. Stability NVLT ac80 5775MHz Ant12



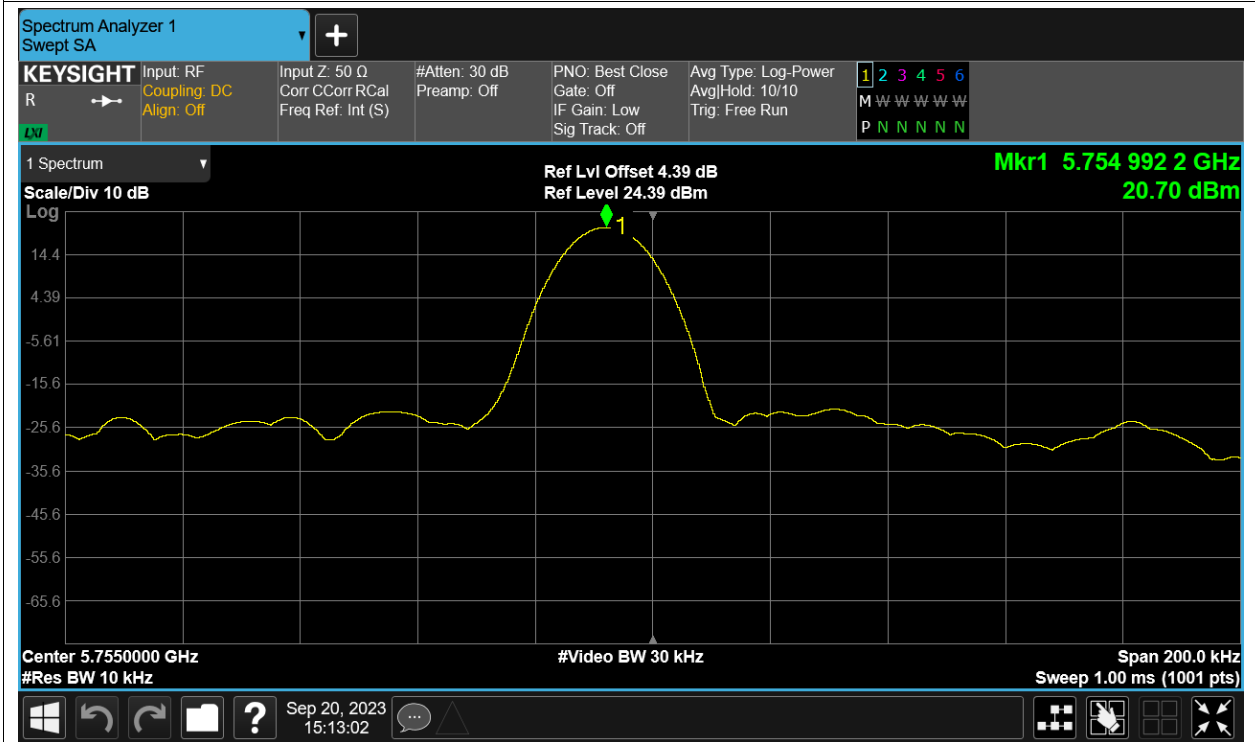
Freq. Stability NVNT ac80 5775MHz Ant12



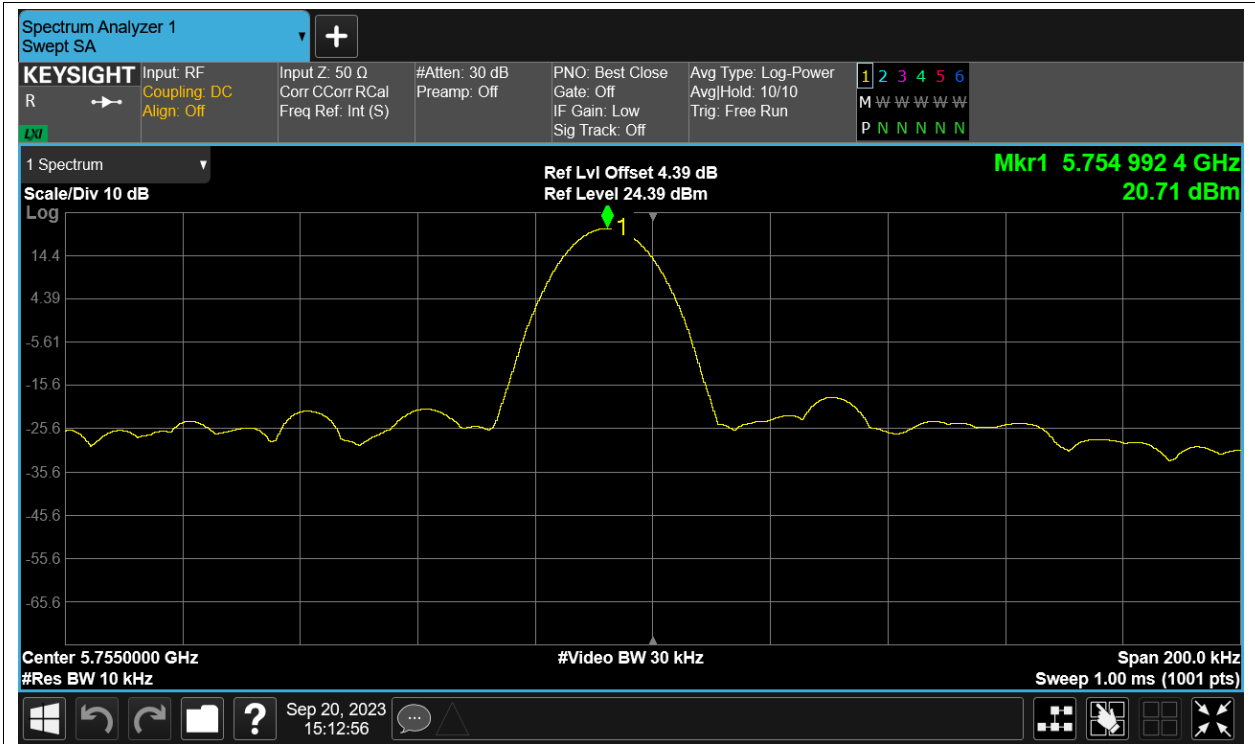
Freq. Stability HVNT n40 5755MHz Ant12



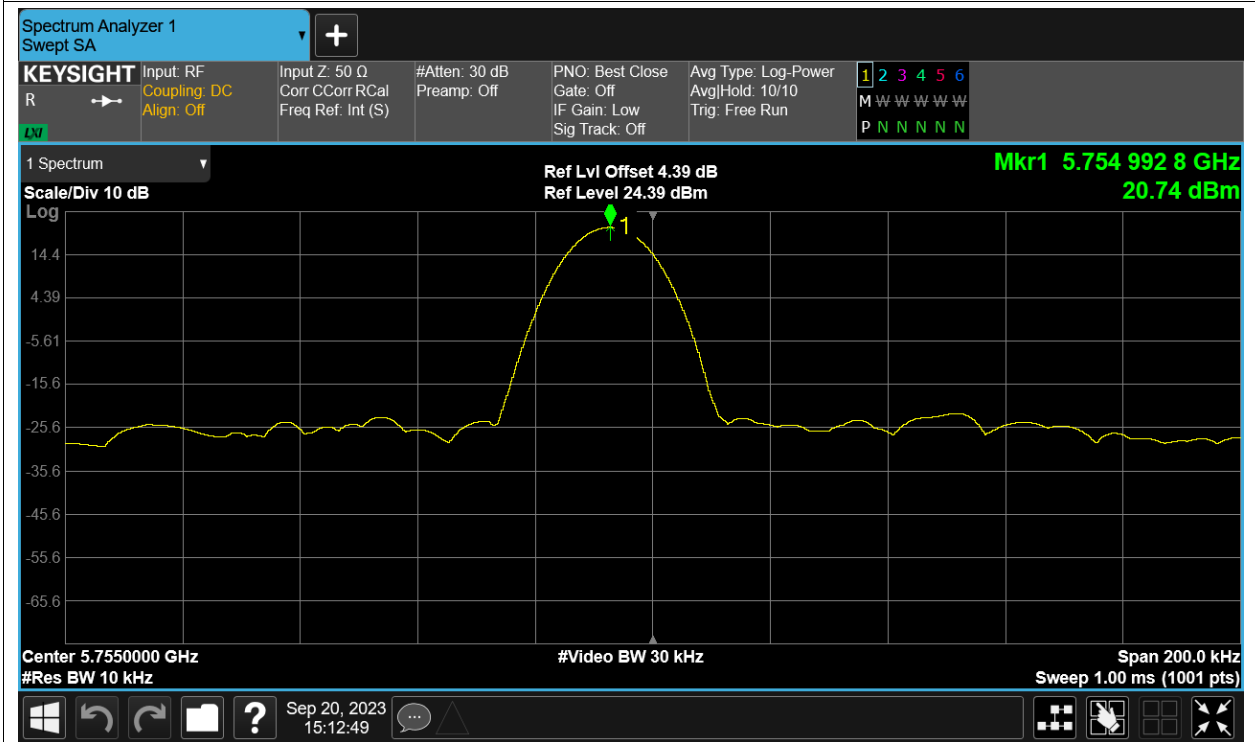
Freq. Stability LVNT n40 5755MHz Ant12



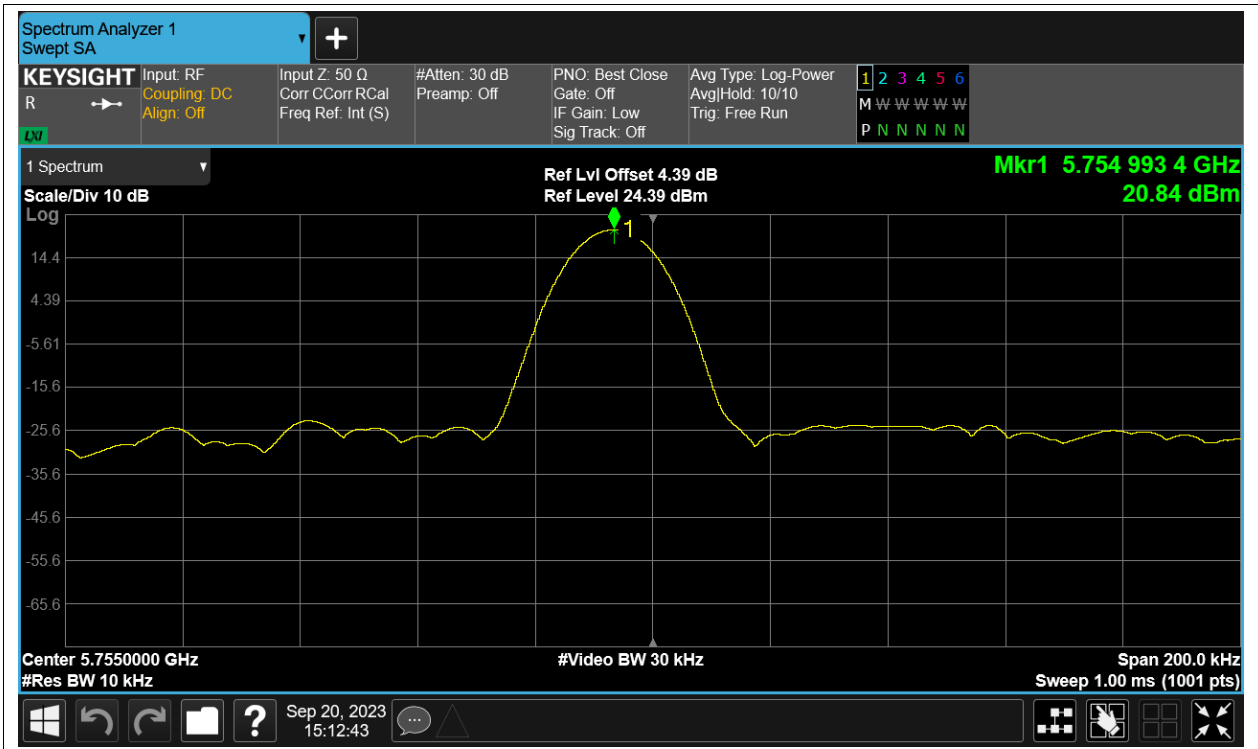
Freq. Stability NVHT n40 5755MHz Ant12



Freq. Stability NVLT n40 5755MHz Ant12



Freq. Stability NVNT n40 5755MHz Ant12

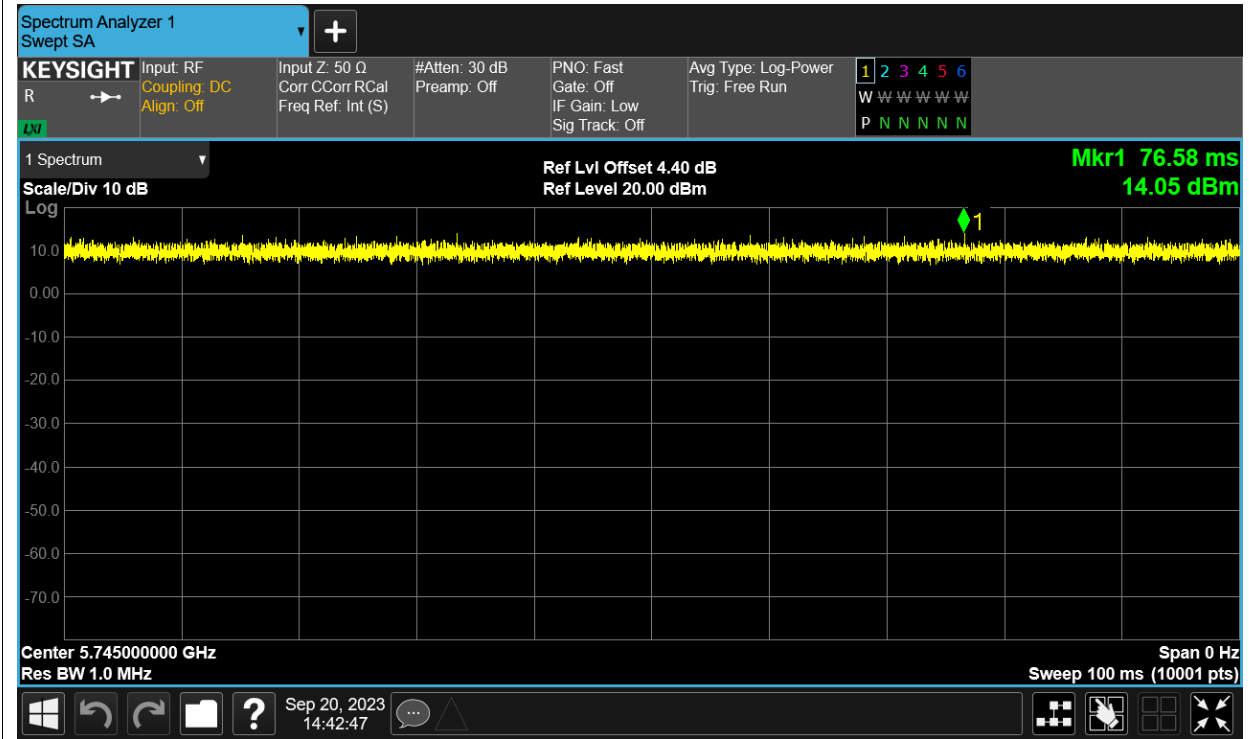


Duty Cycle

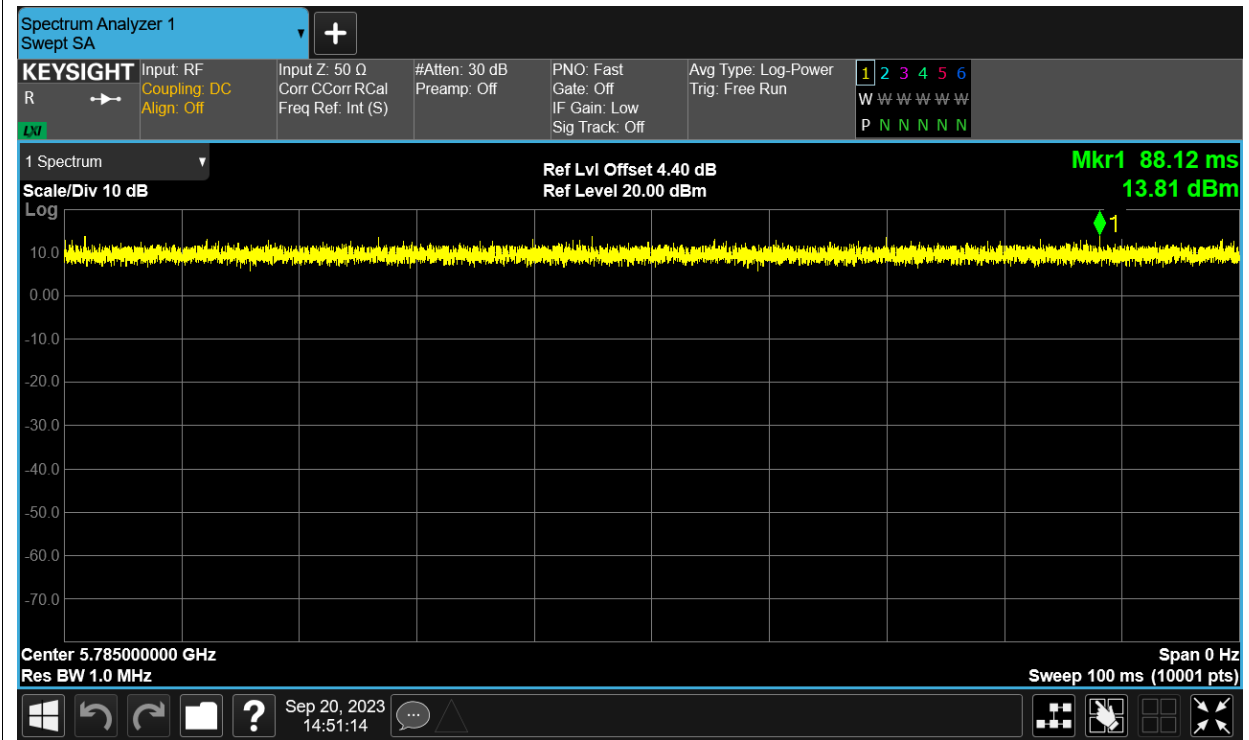
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant12	100	0
NVNT	a	5785	Ant12	100	0
NVNT	a	5825	Ant12	100	0
NVNT	ac20	5745	Ant12	100	0
NVNT	ac20	5785	Ant12	100	0
NVNT	ac20	5825	Ant12	100	0
NVNT	ac40	5755	Ant12	100	0
NVNT	ac40	5795	Ant12	100	0
NVNT	ac80	5775	Ant12	100	0
NVNT	n20	5745	Ant12	100	0
NVNT	n20	5785	Ant12	100	0
NVNT	n20	5825	Ant12	100	0
NVNT	n40	5755	Ant12	100	0
NVNT	n40	5795	Ant12	100	0

Test Graphs

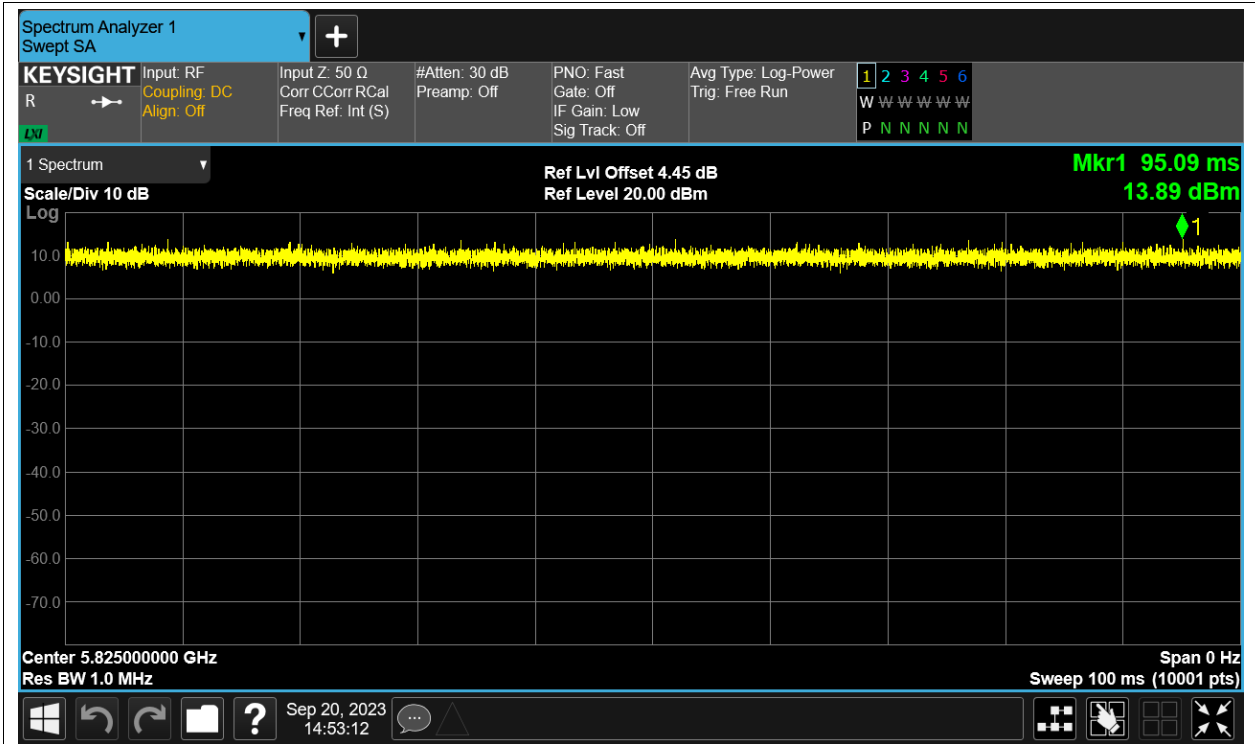
Duty Cycle NVNT a 5745MHz Ant12



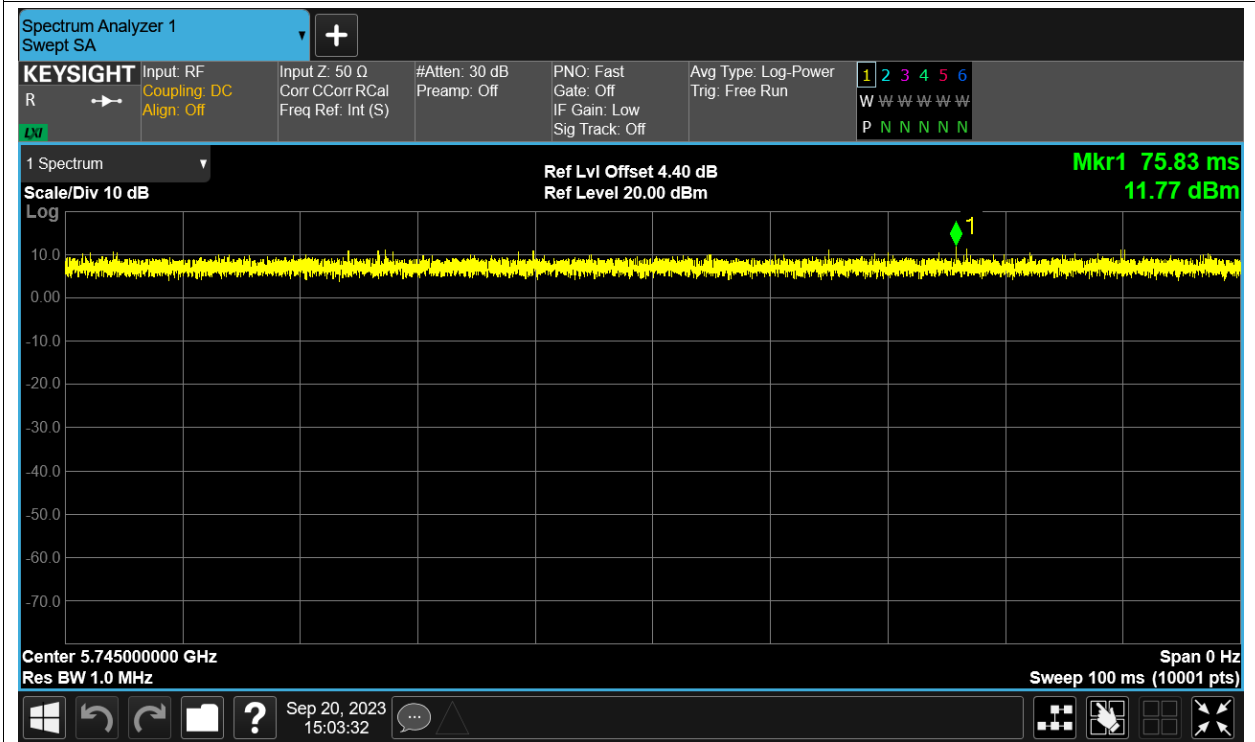
Duty Cycle NVNT a 5785MHz Ant12



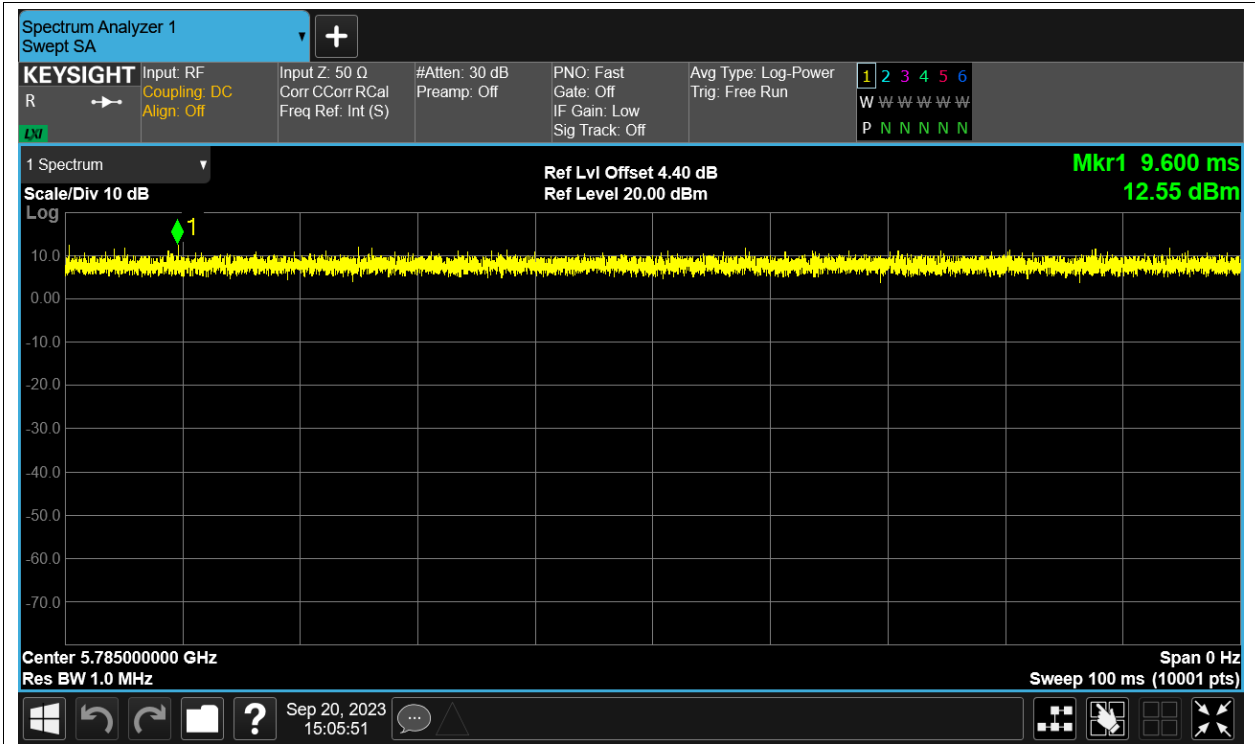
Duty Cycle NVNT a 5825MHz Ant12



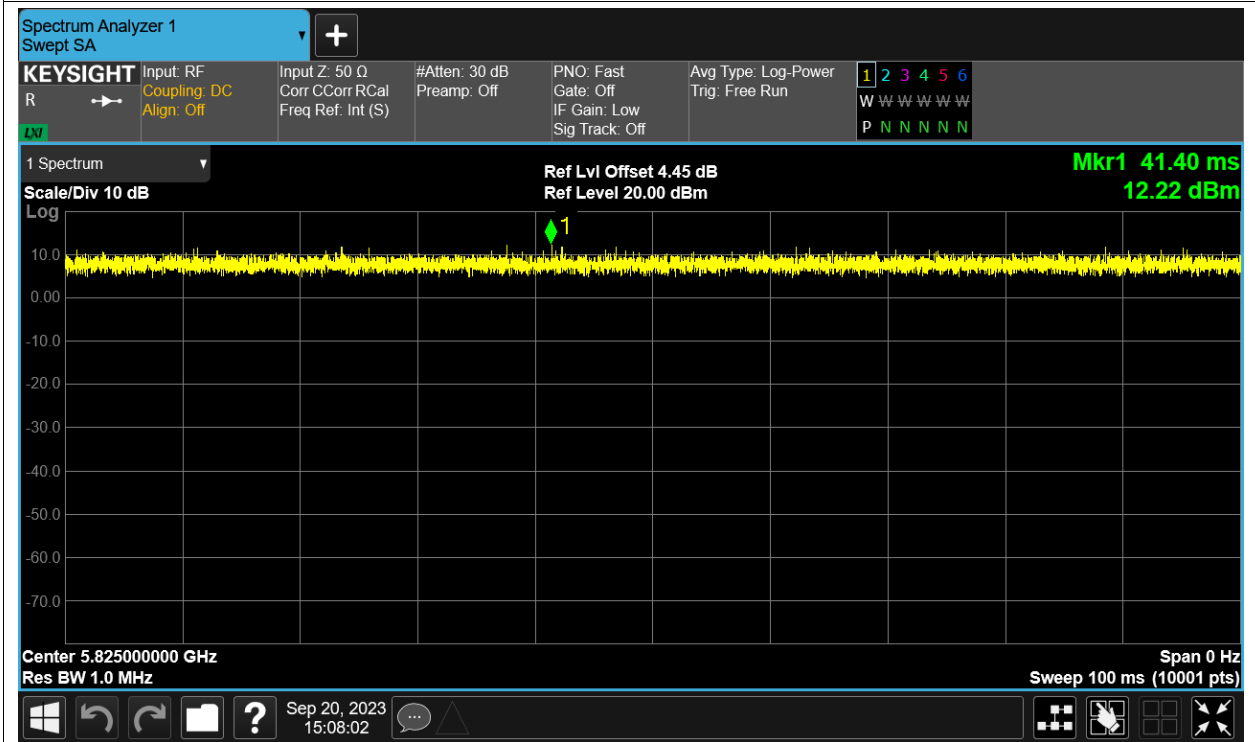
Duty Cycle NVNT ac20 5745MHz Ant12



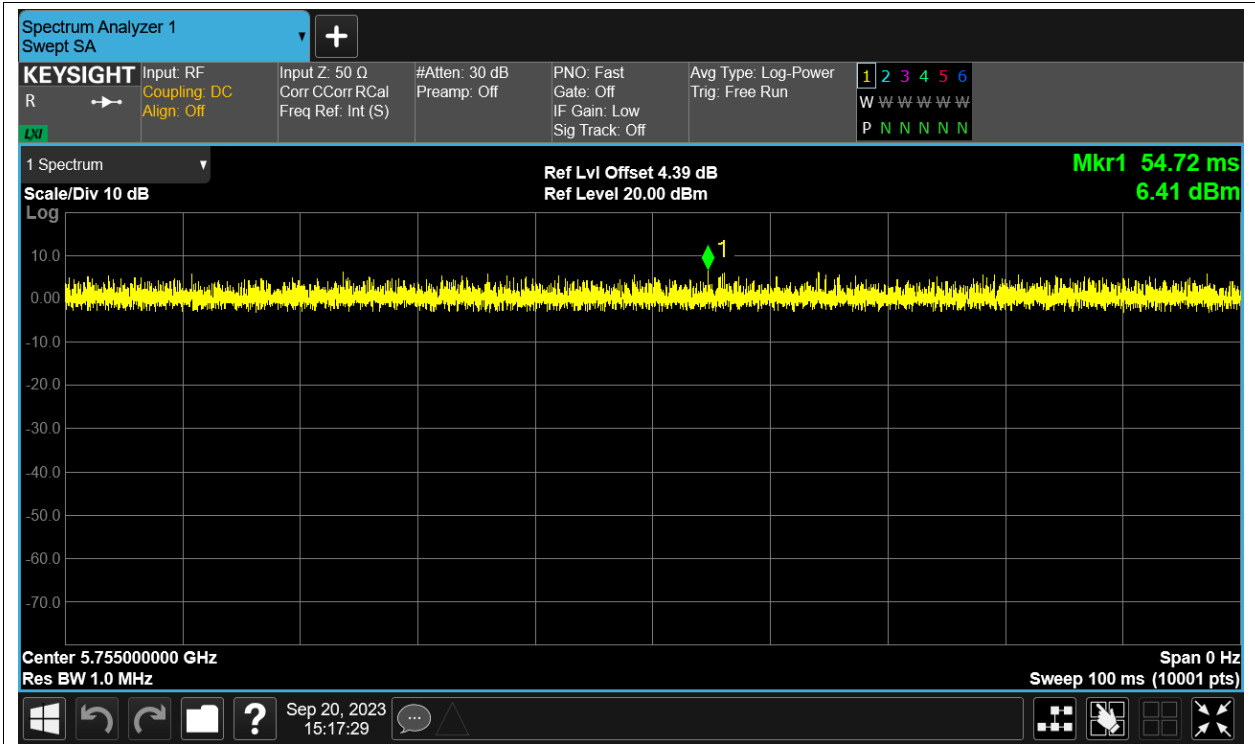
Duty Cycle NVNT ac20 5785MHz Ant12



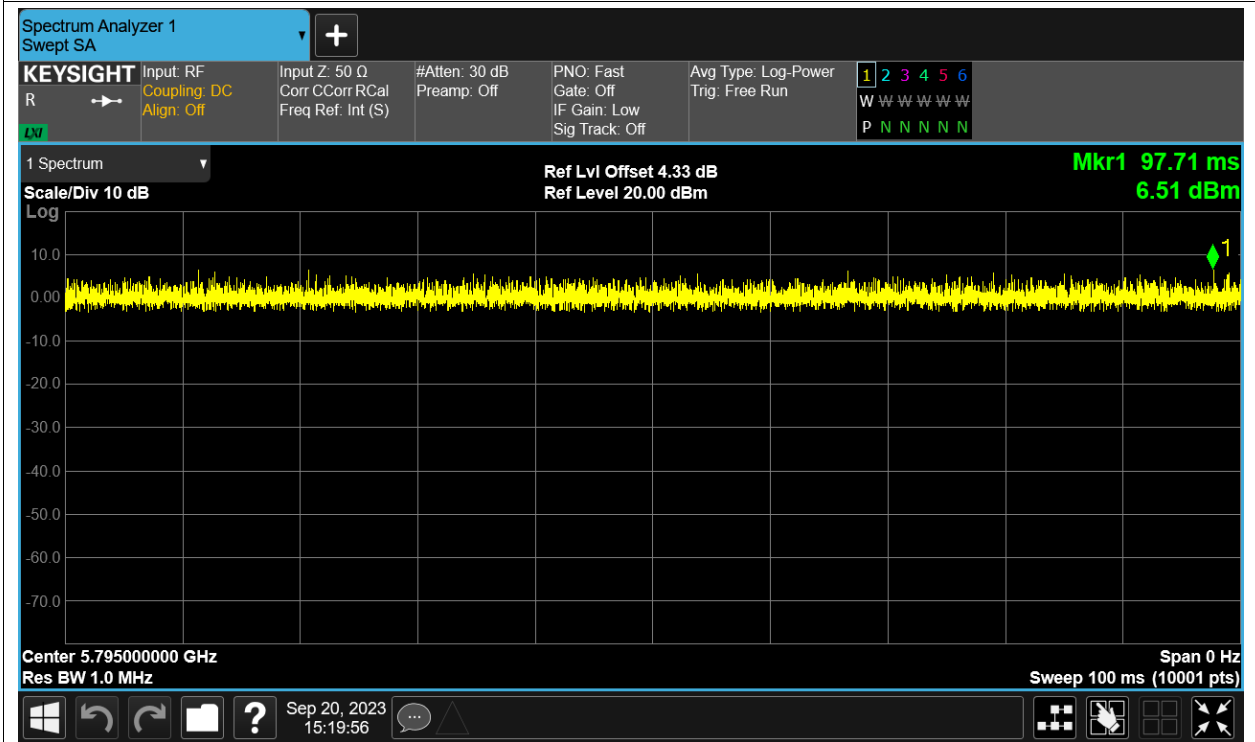
Duty Cycle NVNT ac20 5825MHz Ant12



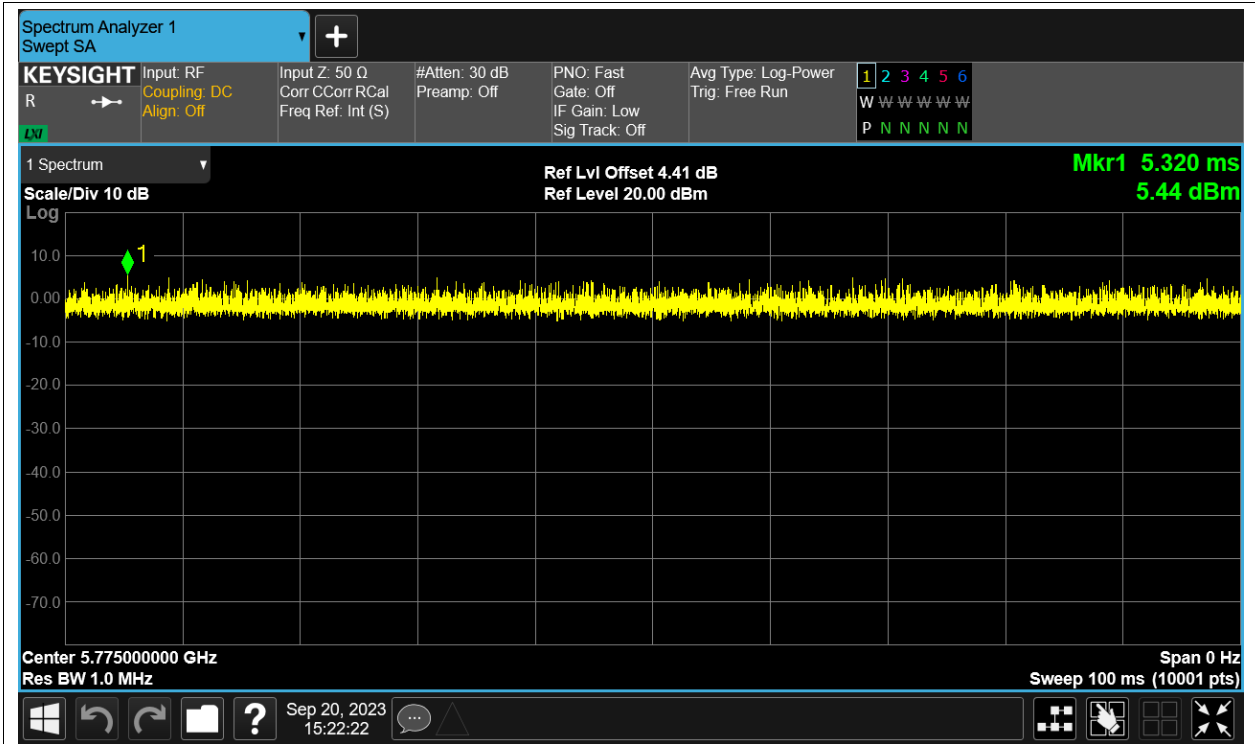
Duty Cycle NVNT ac40 5755MHz Ant12



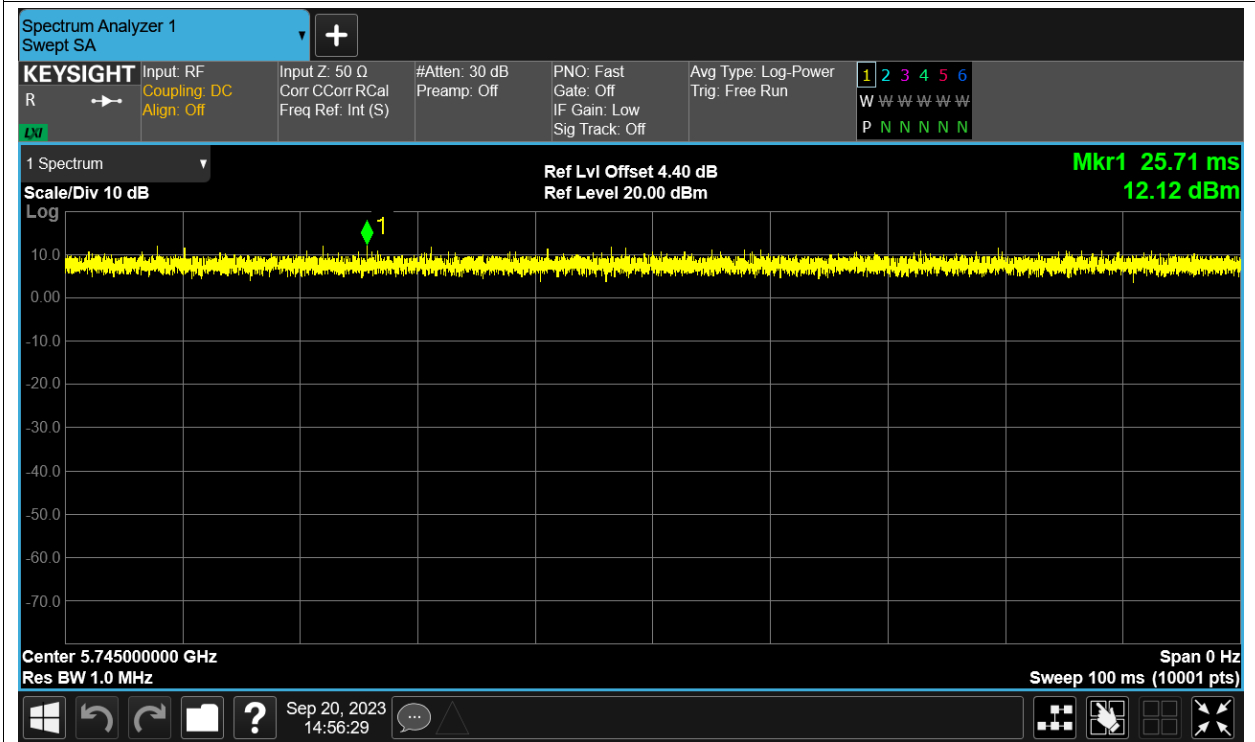
Duty Cycle NVNT ac40 5795MHz Ant12



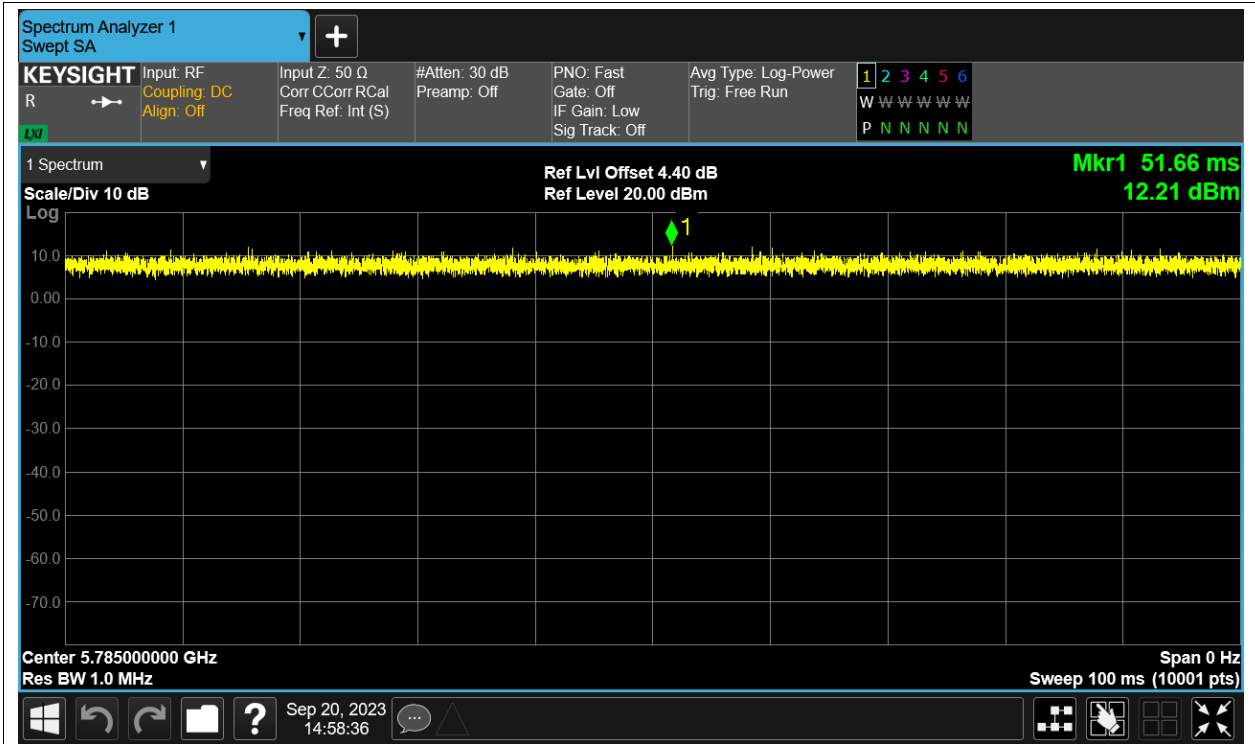
Duty Cycle NVNT ac80 5775MHz Ant12



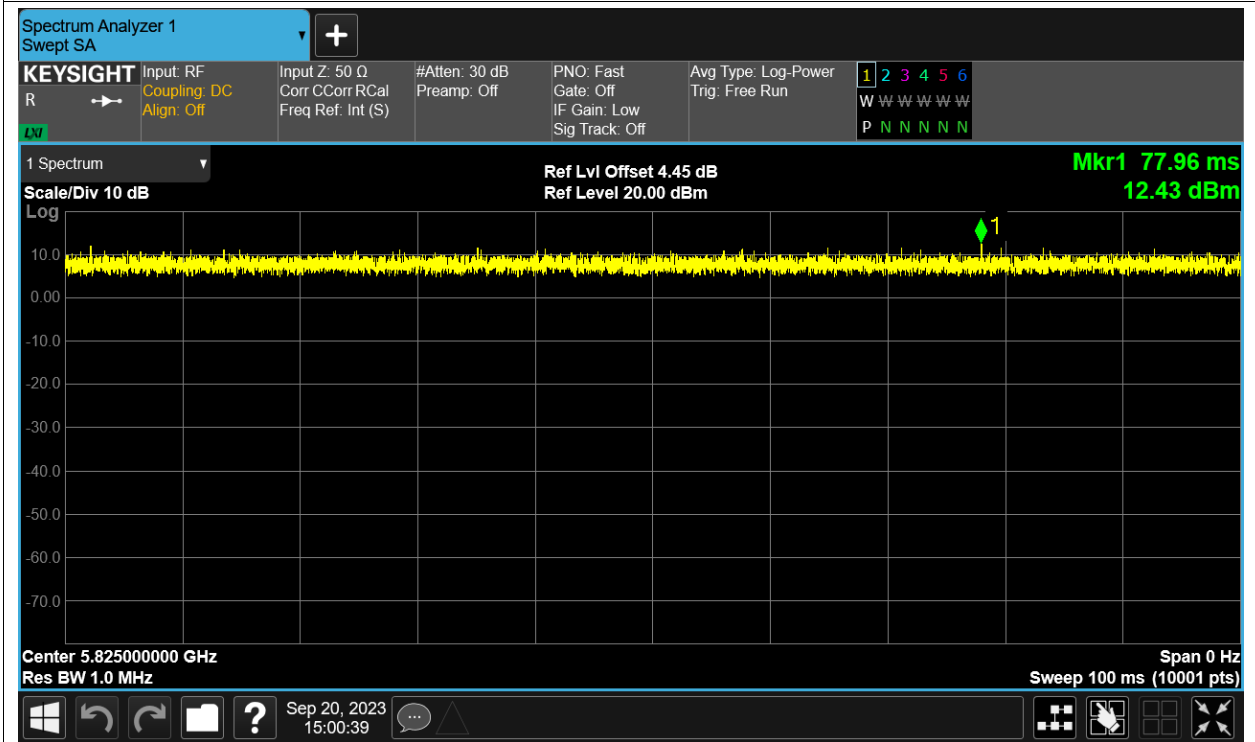
Duty Cycle NVNT n20 5745MHz Ant12



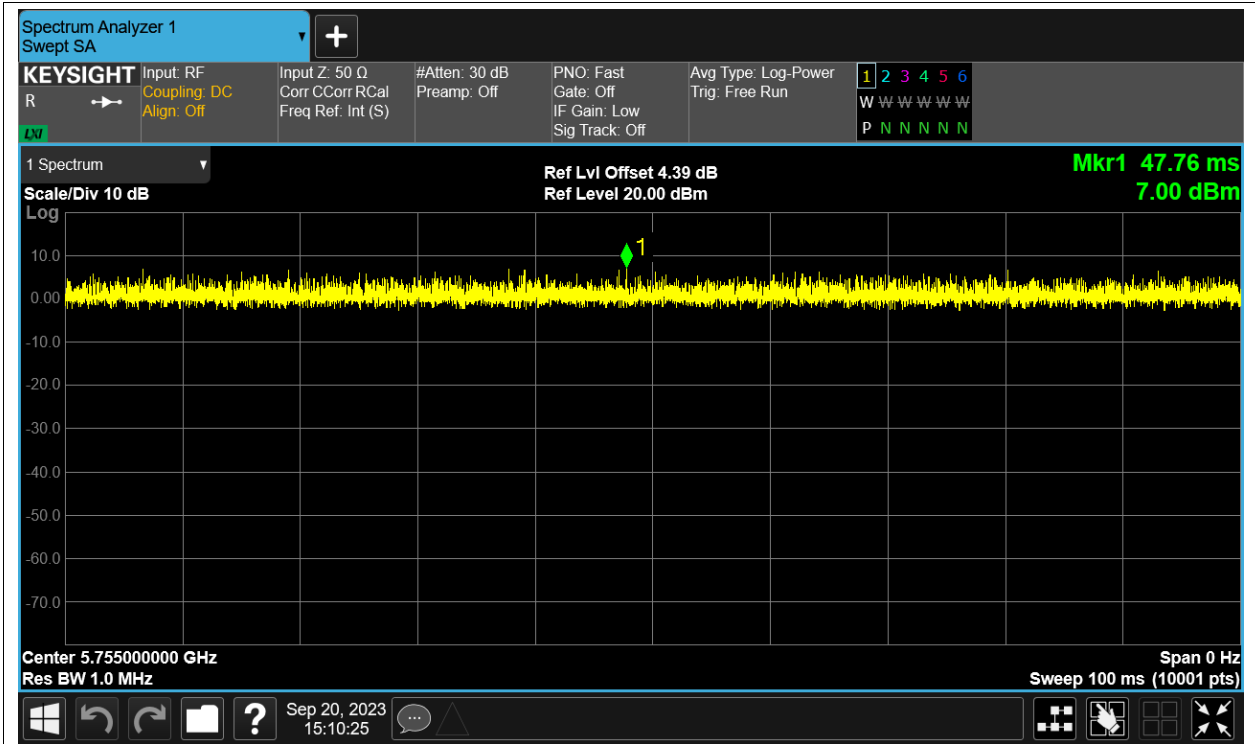
Duty Cycle NVNT n20 5785MHz Ant12



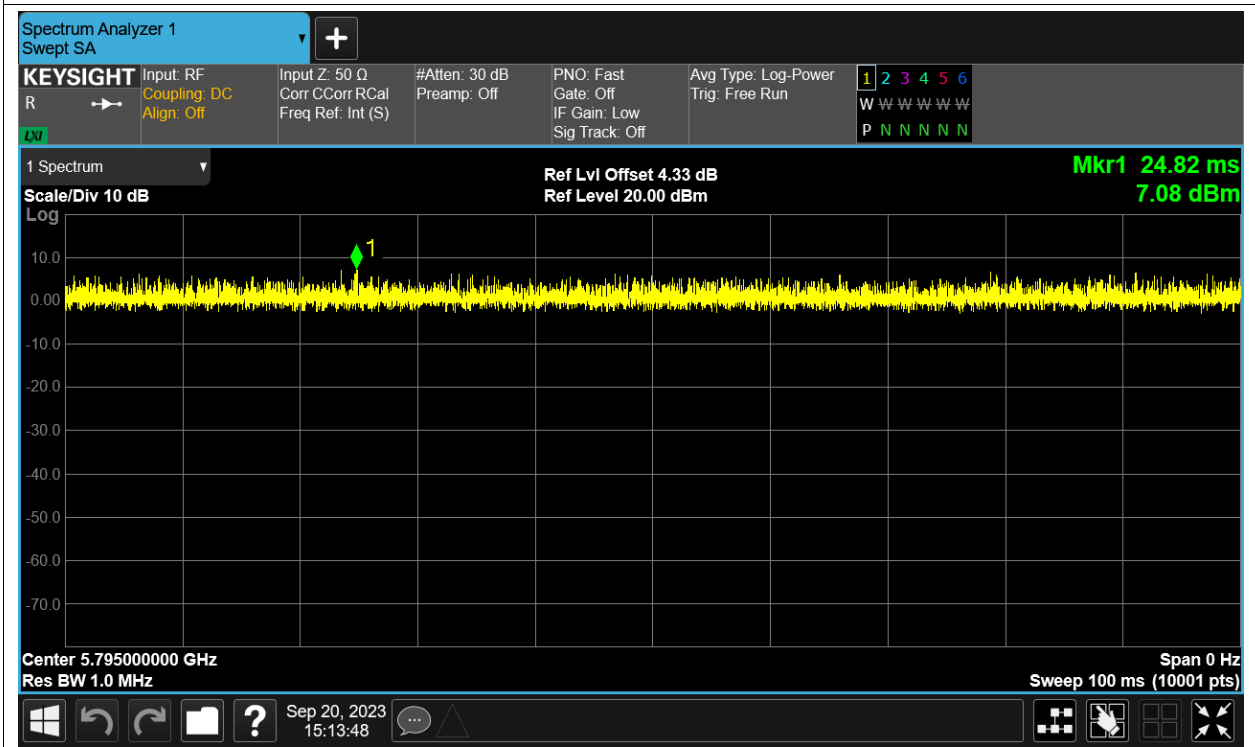
Duty Cycle NVNT n20 5825MHz Ant12



Duty Cycle NVNT n40 5755MHz Ant12



Duty Cycle NVNT n40 5795MHz Ant12



Maximum Conducted Output Power

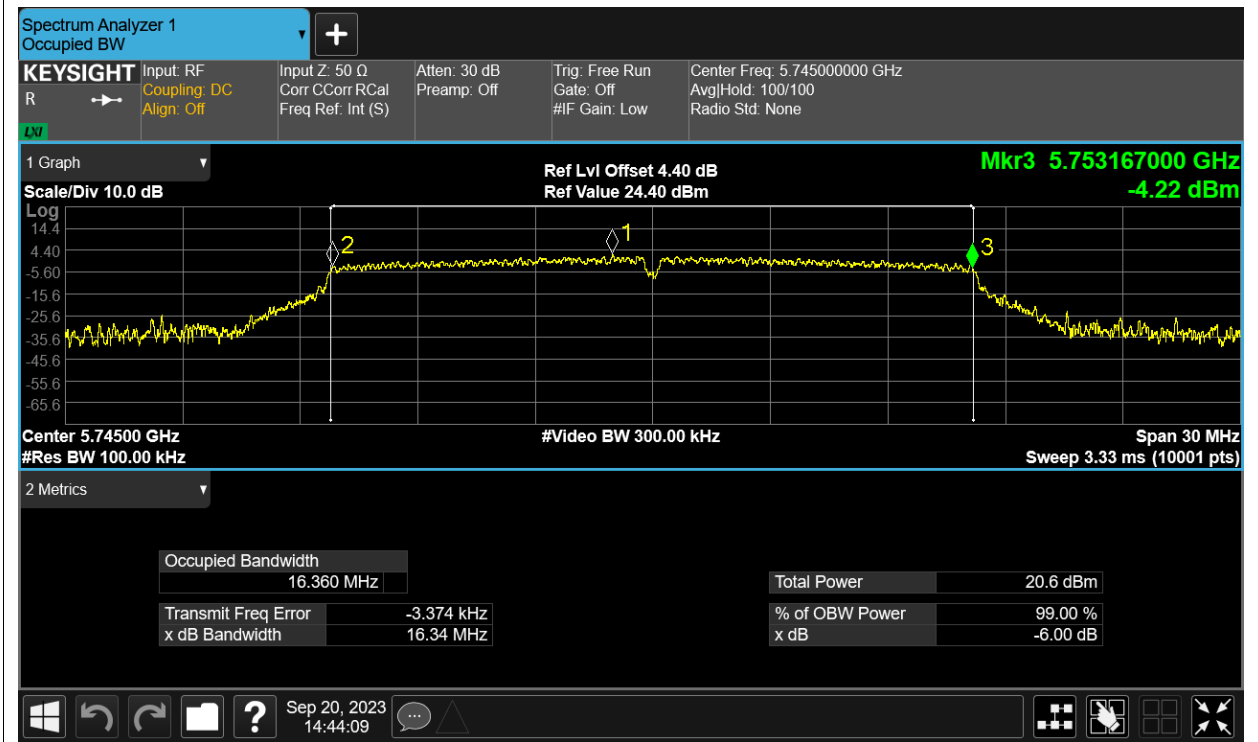
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant12	15.71	0	15.71	30	Pass
NVNT	a	5785	Ant12	15.99	0	15.99	30	Pass
NVNT	a	5825	Ant12	16.3	0	16.3	30	Pass
NVNT	ac20	5745	Ant12	13.77	0	13.77	30	Pass
NVNT	ac20	5785	Ant12	14.5	0	14.5	30	Pass
NVNT	ac20	5825	Ant12	14.71	0	14.71	30	Pass
NVNT	ac40	5755	Ant12	13.39	0	13.39	30	Pass
NVNT	ac40	5795	Ant12	13.61	0	13.61	30	Pass
NVNT	ac80	5775	Ant12	14.59	0	14.59	30	Pass
NVNT	n20	5745	Ant12	14.23	0	14.23	30	Pass
NVNT	n20	5785	Ant12	14.47	0	14.47	30	Pass
NVNT	n20	5825	Ant12	14.69	0	14.69	30	Pass
NVNT	n40	5755	Ant12	13.89	0	13.89	30	Pass
NVNT	n40	5795	Ant12	14.2	0	14.2	30	Pass

-6dB Bandwidth

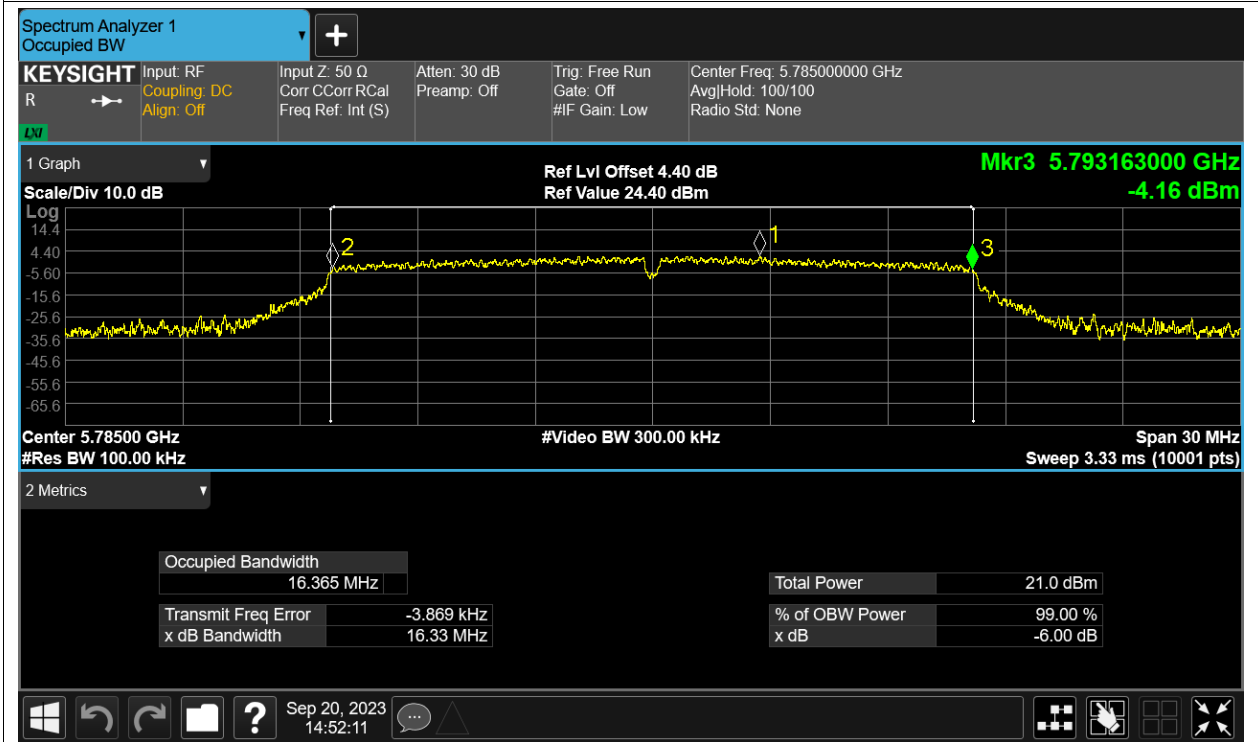
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	a	5745	Ant12	16.341	0.5	Pass
NVNT	a	5785	Ant12	16.334	0.5	Pass
NVNT	a	5825	Ant12	16.334	0.5	Pass
NVNT	ac20	5745	Ant12	17.594	0.5	Pass
NVNT	ac20	5785	Ant12	17.561	0.5	Pass
NVNT	ac20	5825	Ant12	17.585	0.5	Pass
NVNT	ac40	5755	Ant12	35.943	0.5	Pass
NVNT	ac40	5795	Ant12	36.3	0.5	Pass
NVNT	ac80	5775	Ant12	76.308	0.5	Pass
NVNT	n20	5745	Ant12	17.568	0.5	Pass
NVNT	n20	5785	Ant12	17.564	0.5	Pass
NVNT	n20	5825	Ant12	17.564	0.5	Pass
NVNT	n40	5755	Ant12	36.291	0.5	Pass
NVNT	n40	5795	Ant12	36.266	0.5	Pass

Test Graphs

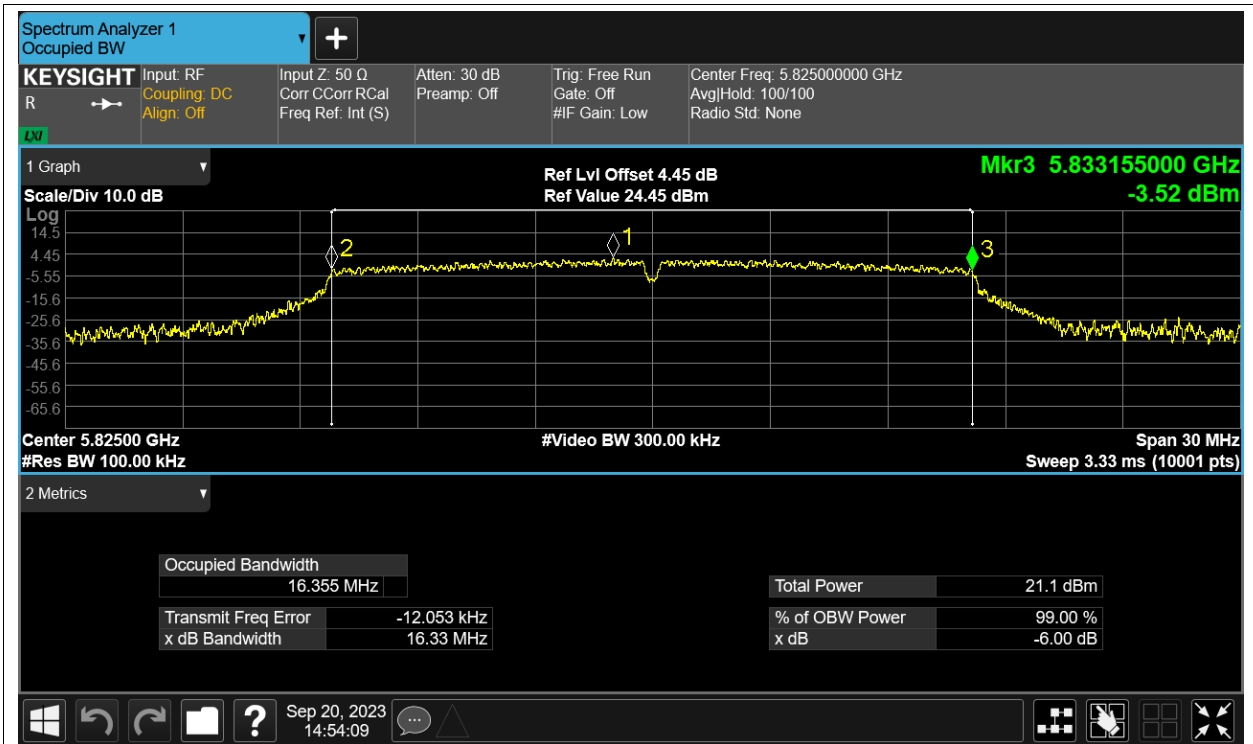
-6dB Bandwidth NVNT a 5745MHz Ant12



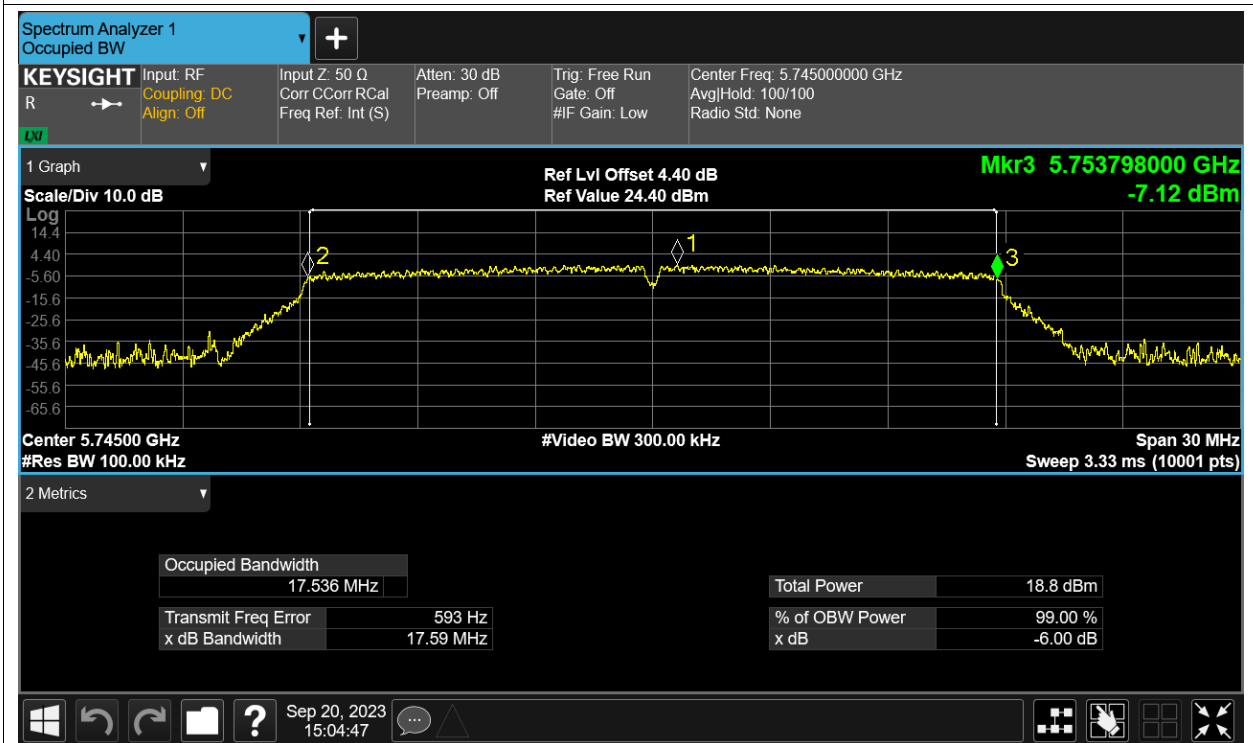
-6dB Bandwidth NVNT a 5785MHz Ant12



-6dB Bandwidth NVNT a 5825MHz Ant12



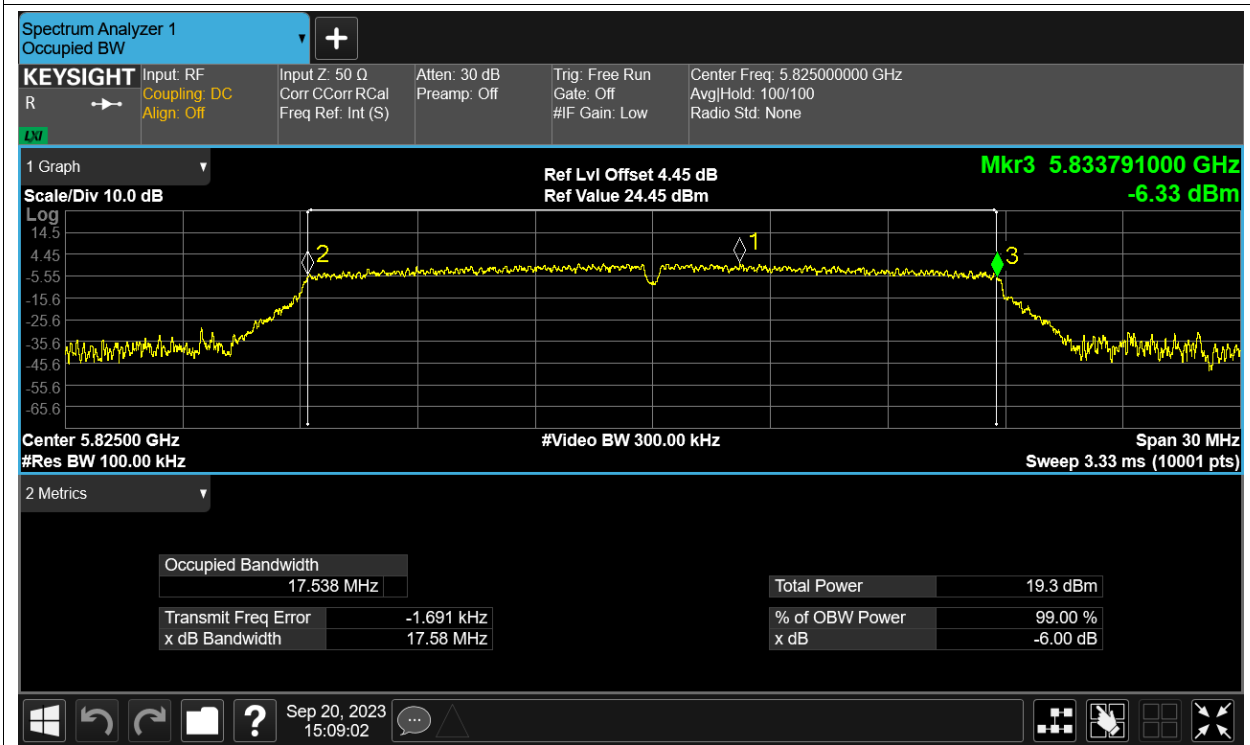
-6dB Bandwidth NVNT ac20 5745MHz Ant12



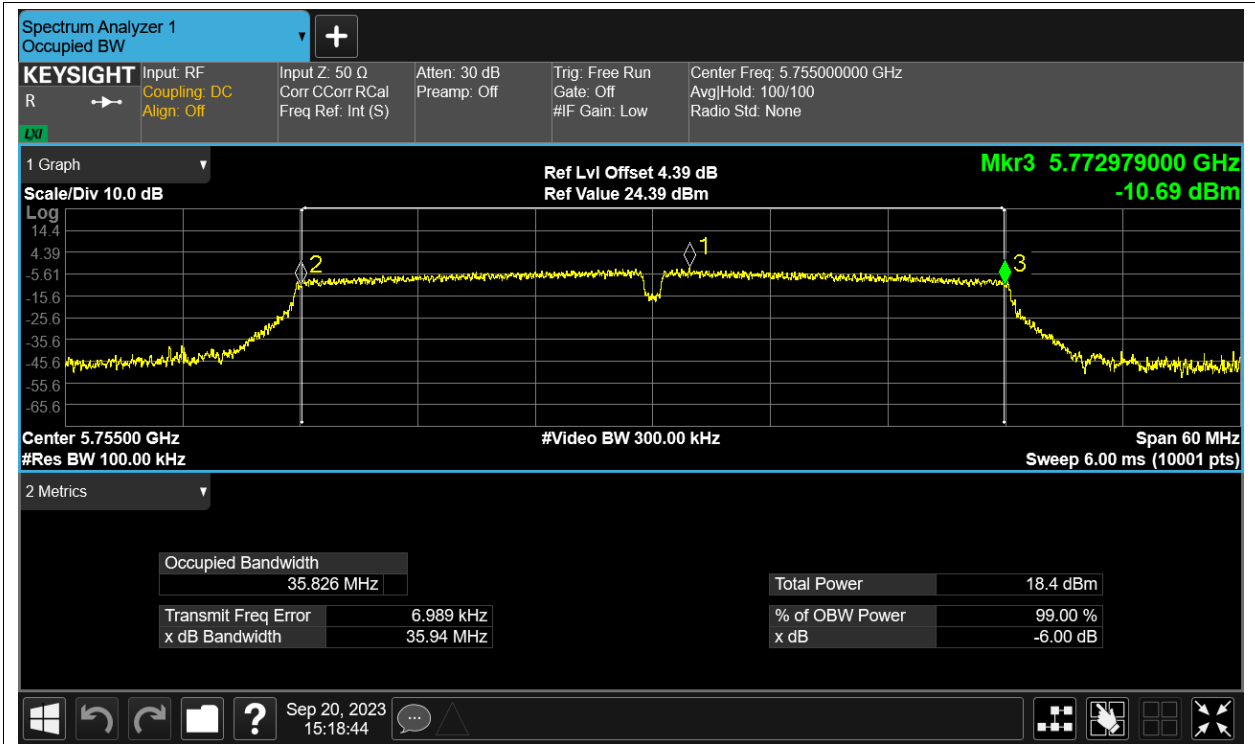
-6dB Bandwidth NVNT ac20 5785MHz Ant12



-6dB Bandwidth NVNT ac20 5825MHz Ant12



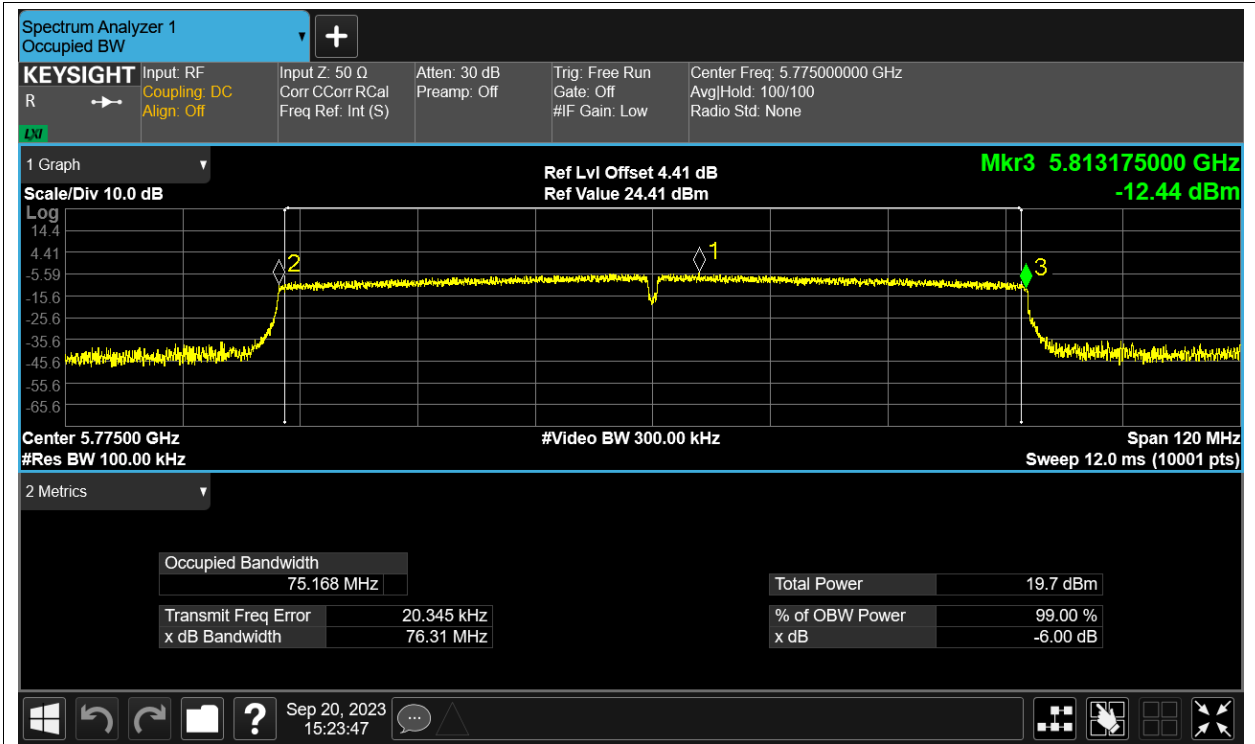
-6dB Bandwidth NVNT ac40 5755MHz Ant12



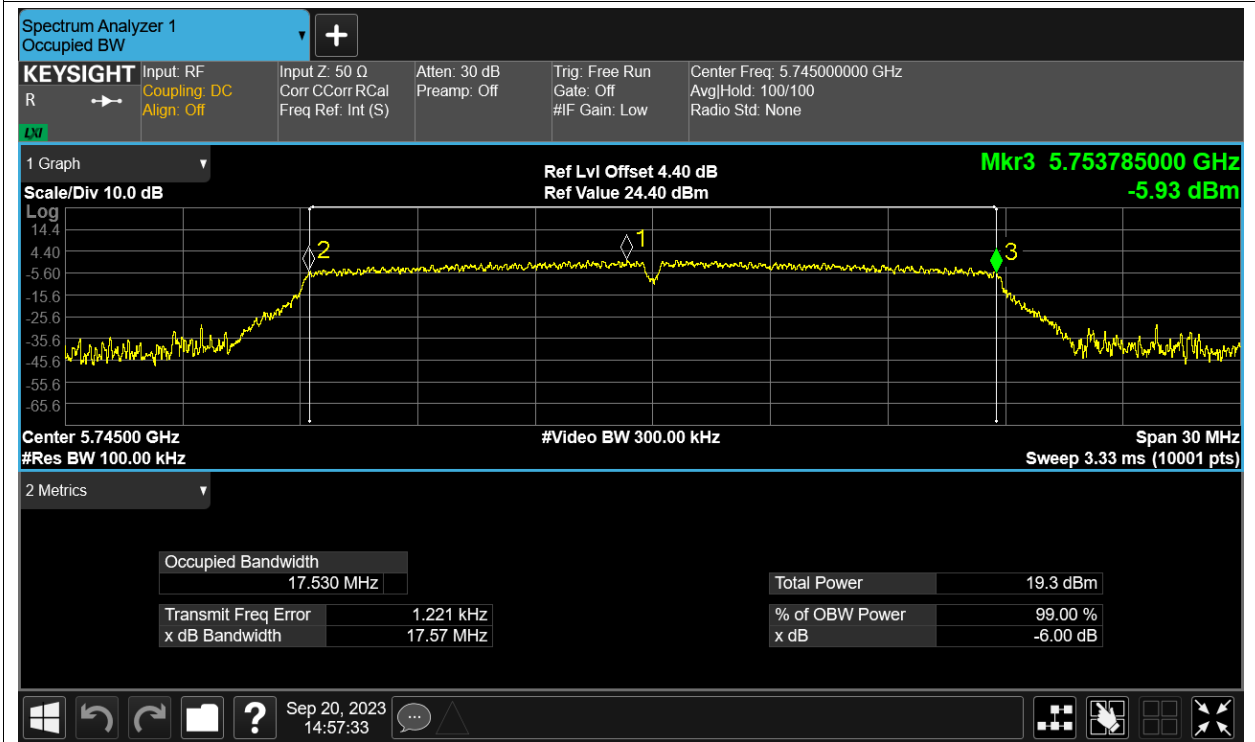
-6dB Bandwidth NVNT ac40 5795MHz Ant12



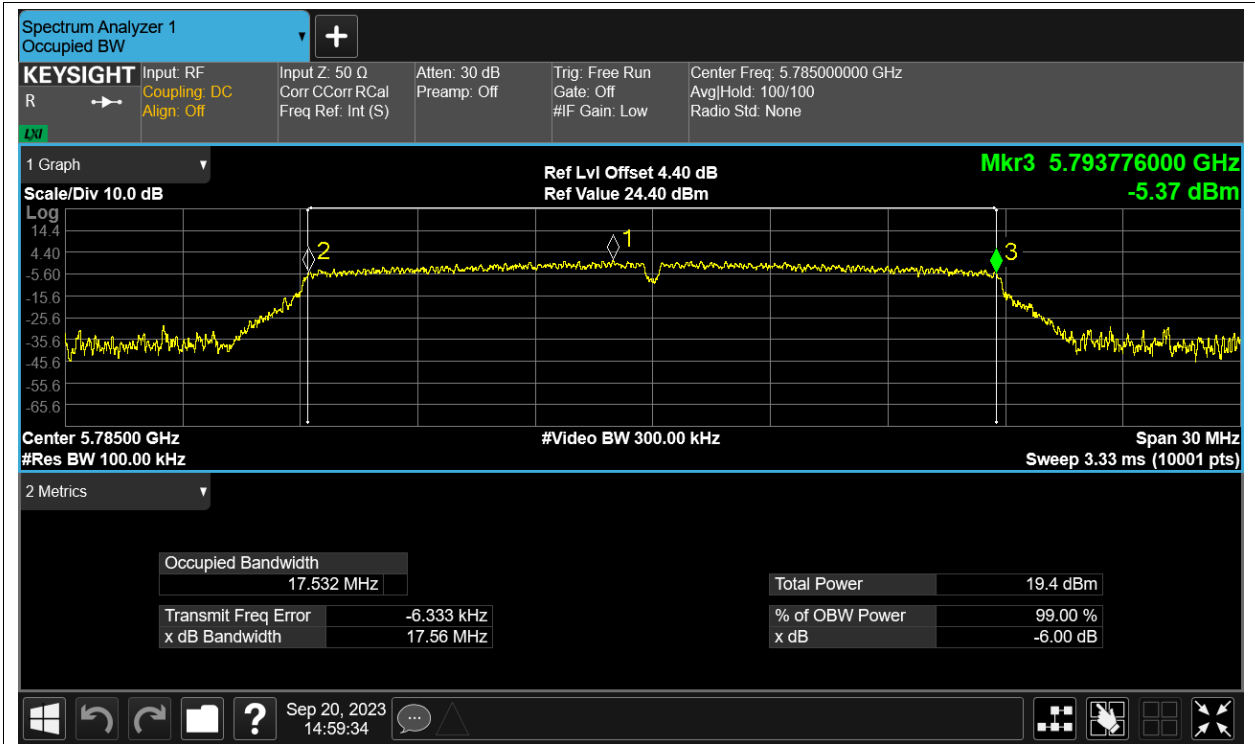
-6dB Bandwidth NVNT ac80 5775MHz Ant12



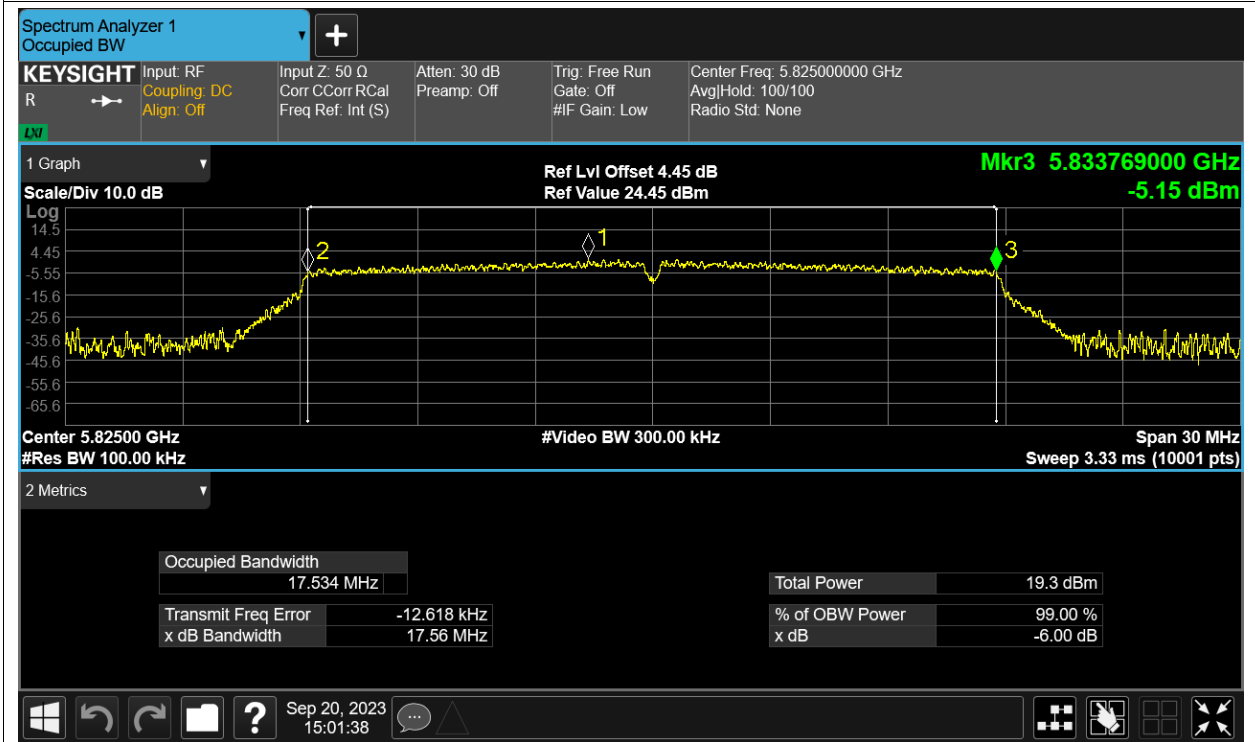
-6dB Bandwidth NVNT n20 5745MHz Ant12



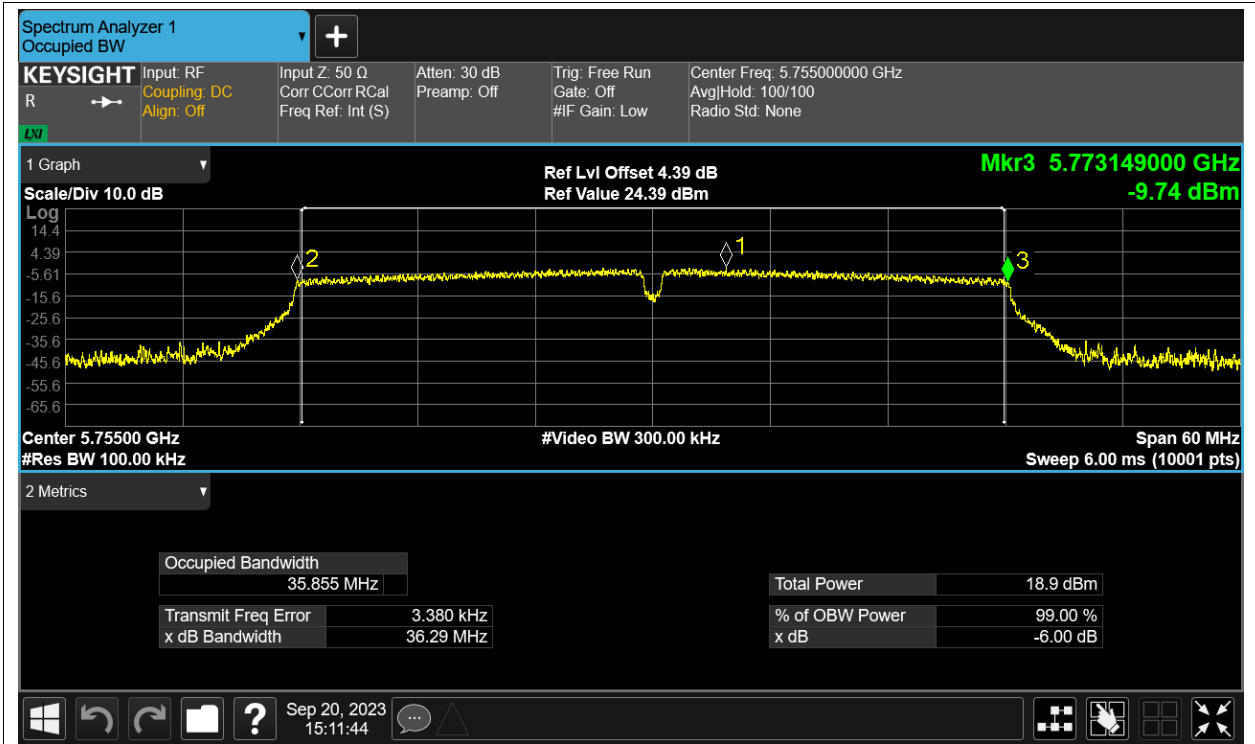
-6dB Bandwidth NVNT n20 5785MHz Ant12



-6dB Bandwidth NVNT n20 5825MHz Ant12



-6dB Bandwidth NVNT n40 5755MHz Ant12



-6dB Bandwidth NVNT n40 5795MHz Ant12

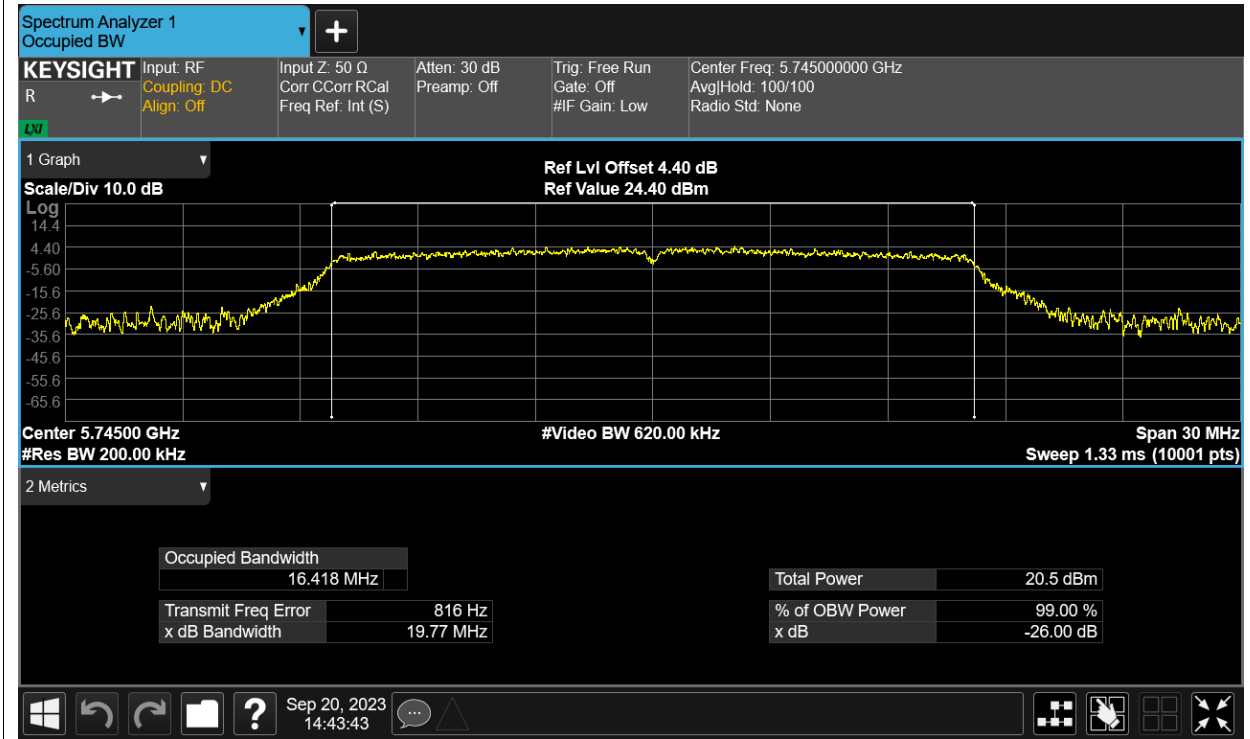


Occupied Channel Bandwidth

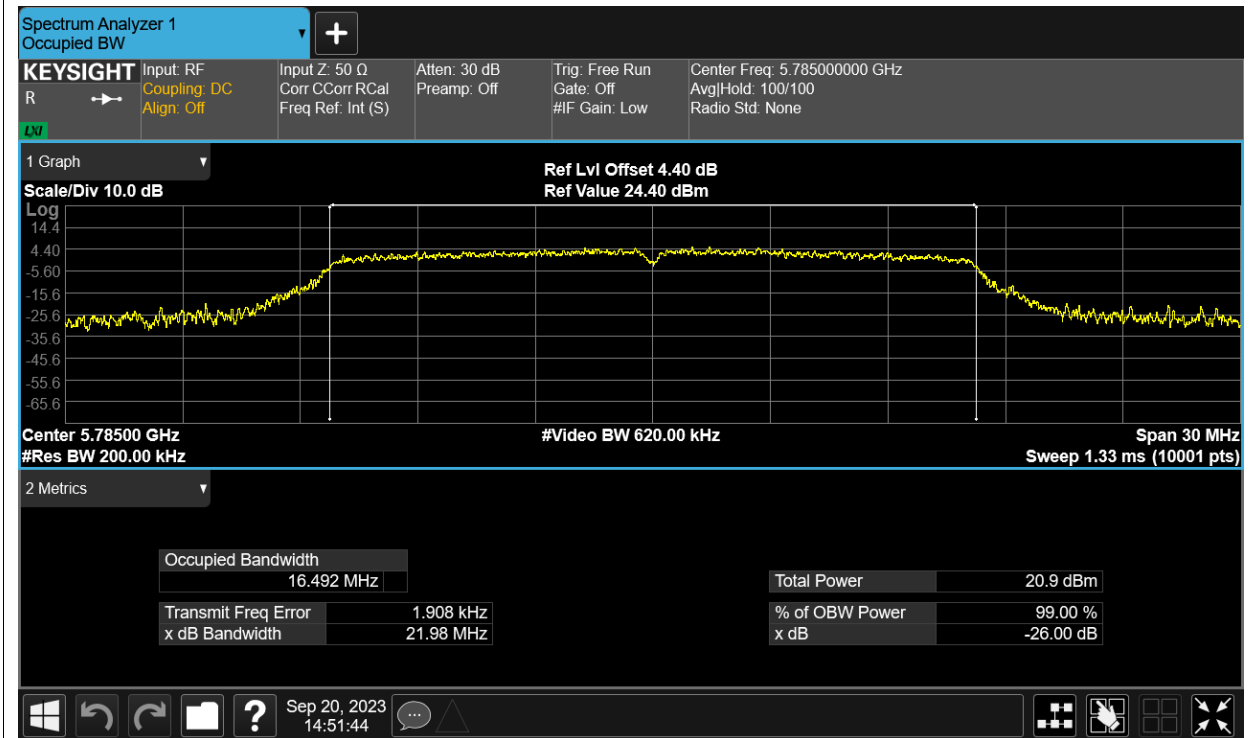
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant12	16.418
NVNT	a	5785	Ant12	16.492
NVNT	a	5825	Ant12	16.424
NVNT	ac20	5745	Ant12	17.535
NVNT	ac20	5785	Ant12	17.574
NVNT	ac20	5825	Ant12	17.591
NVNT	ac40	5755	Ant12	35.964
NVNT	ac40	5795	Ant12	35.906
NVNT	ac80	5775	Ant12	75.185
NVNT	n20	5745	Ant12	17.557
NVNT	n20	5785	Ant12	17.57
NVNT	n20	5825	Ant12	17.552
NVNT	n40	5755	Ant12	35.945
NVNT	n40	5795	Ant12	35.937

Test Graphs

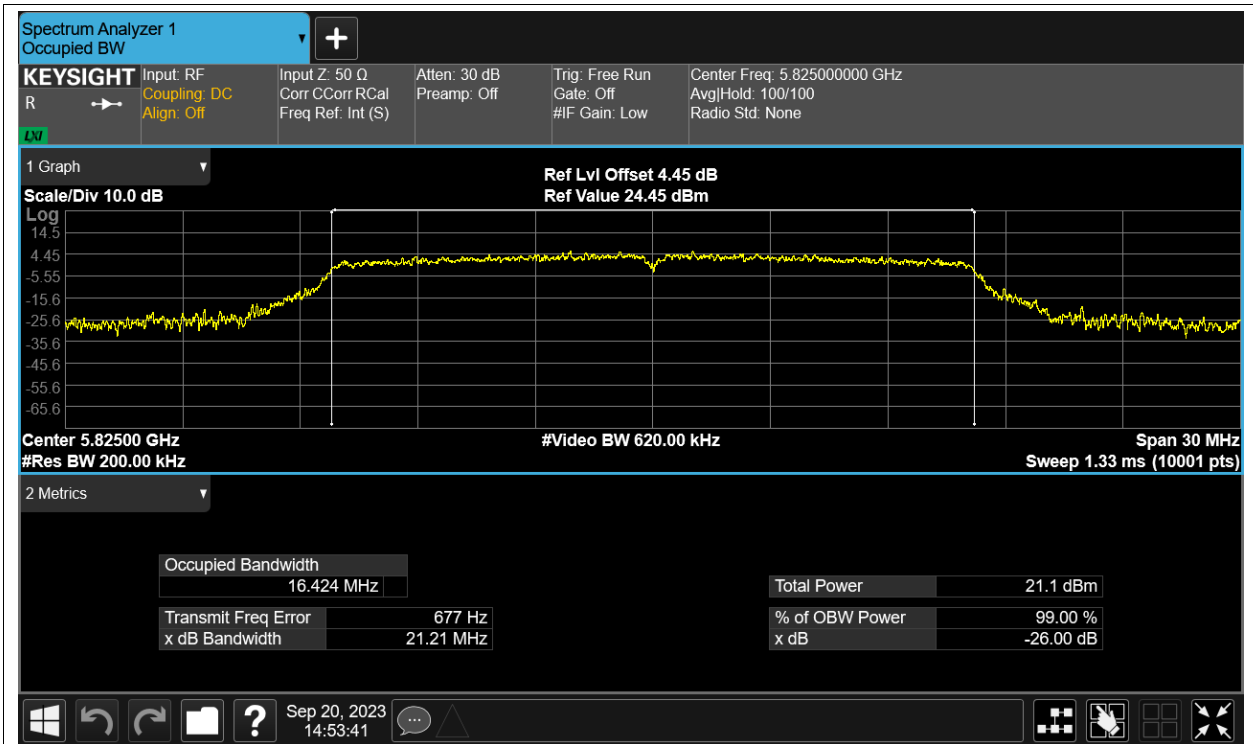
OBW NVNT a 5745MHz Ant12



OBW NVNT a 5785MHz Ant12



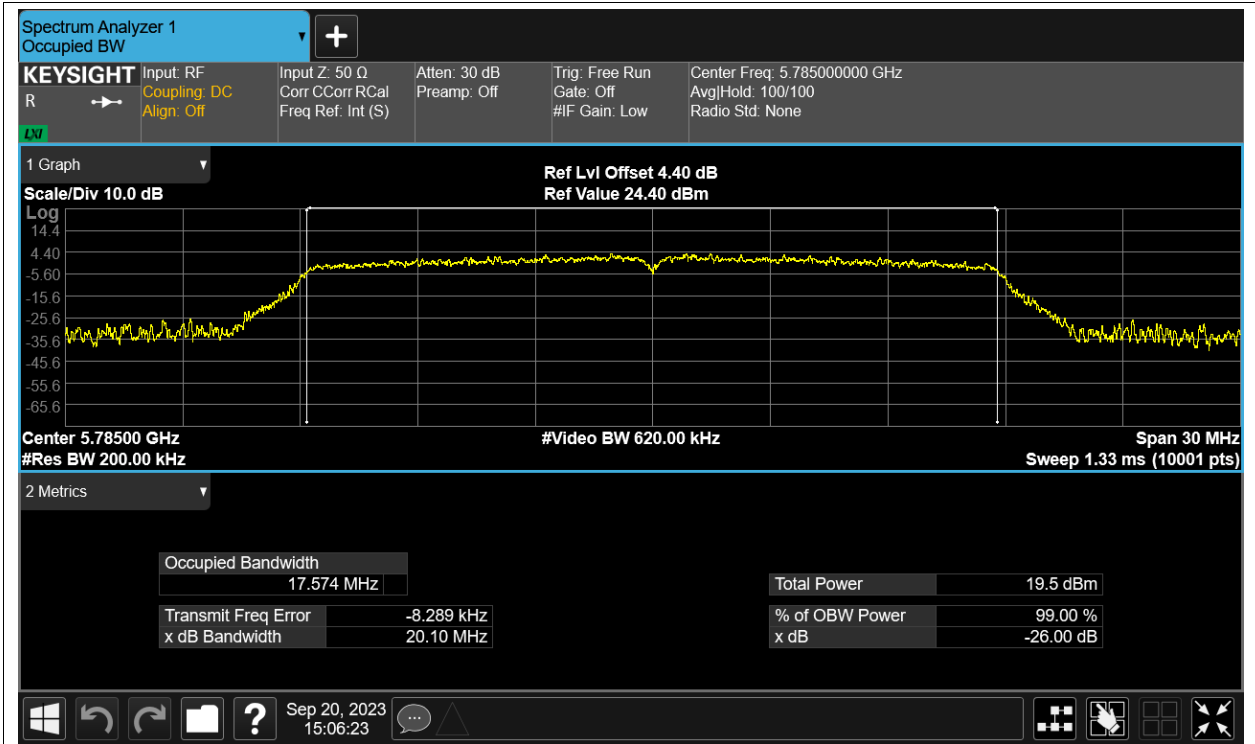
OBW NVNT a 5825MHz Ant12



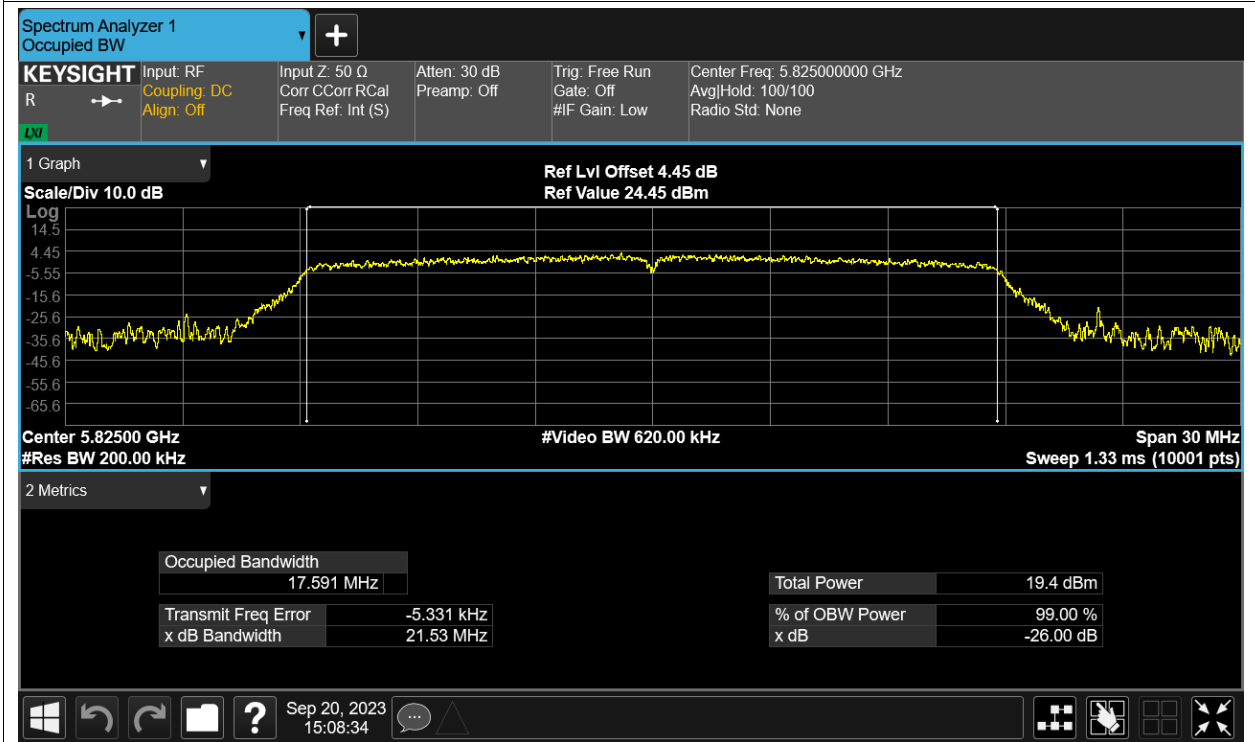
OBW NVNT ac20 5745MHz Ant12



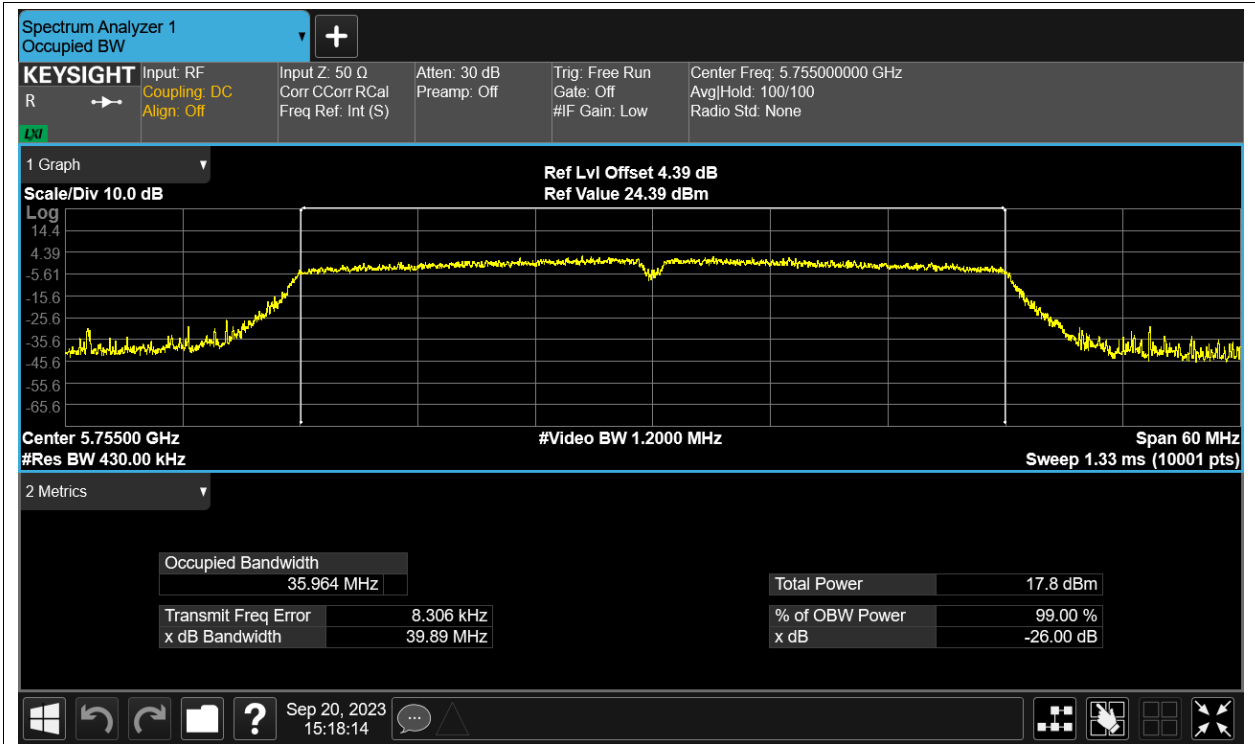
OBW NVNT ac20 5785MHz Ant12



OBW NVNT ac20 5825MHz Ant12



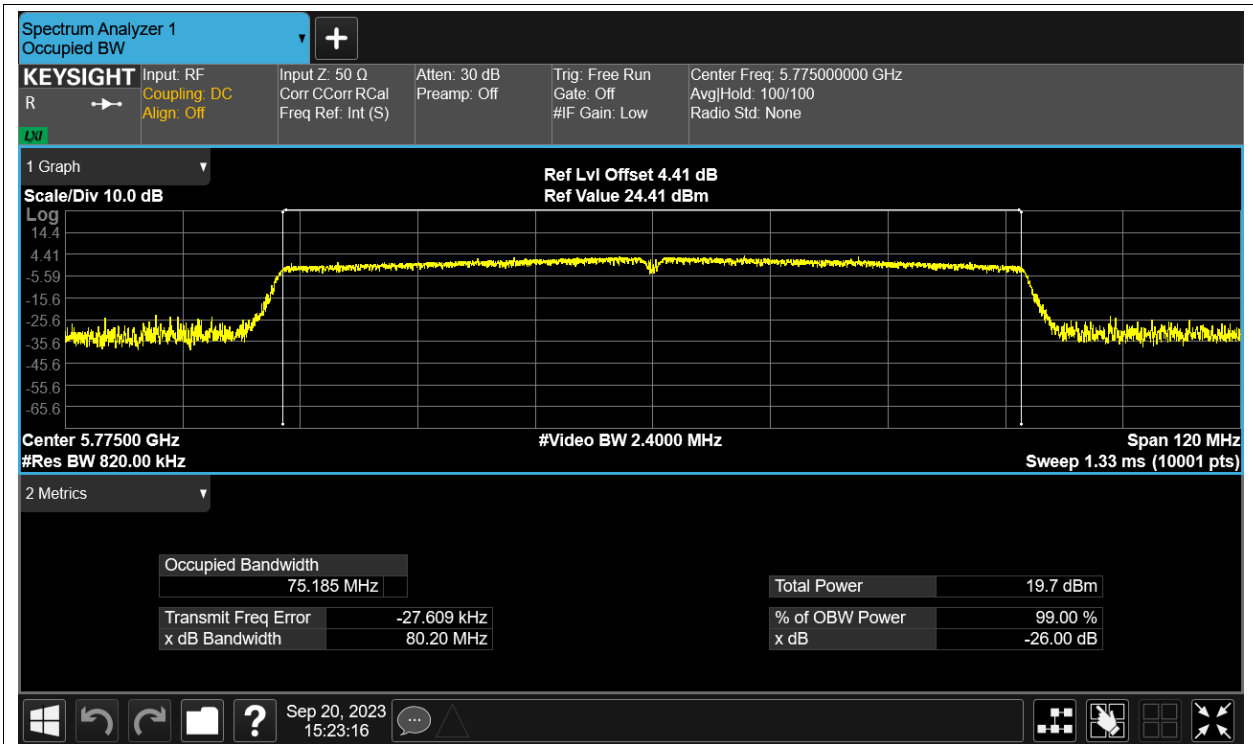
OBW NVNT ac40 5755MHz Ant12



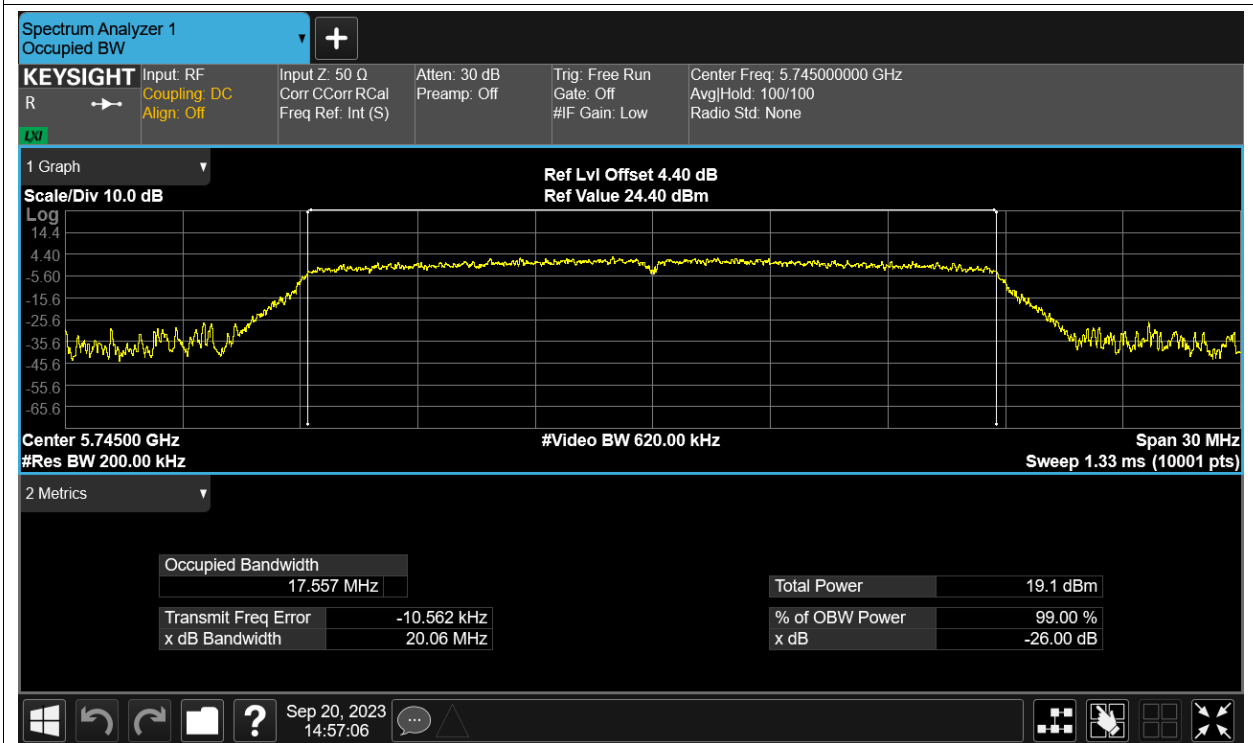
OBW NVNT ac40 5795MHz Ant12



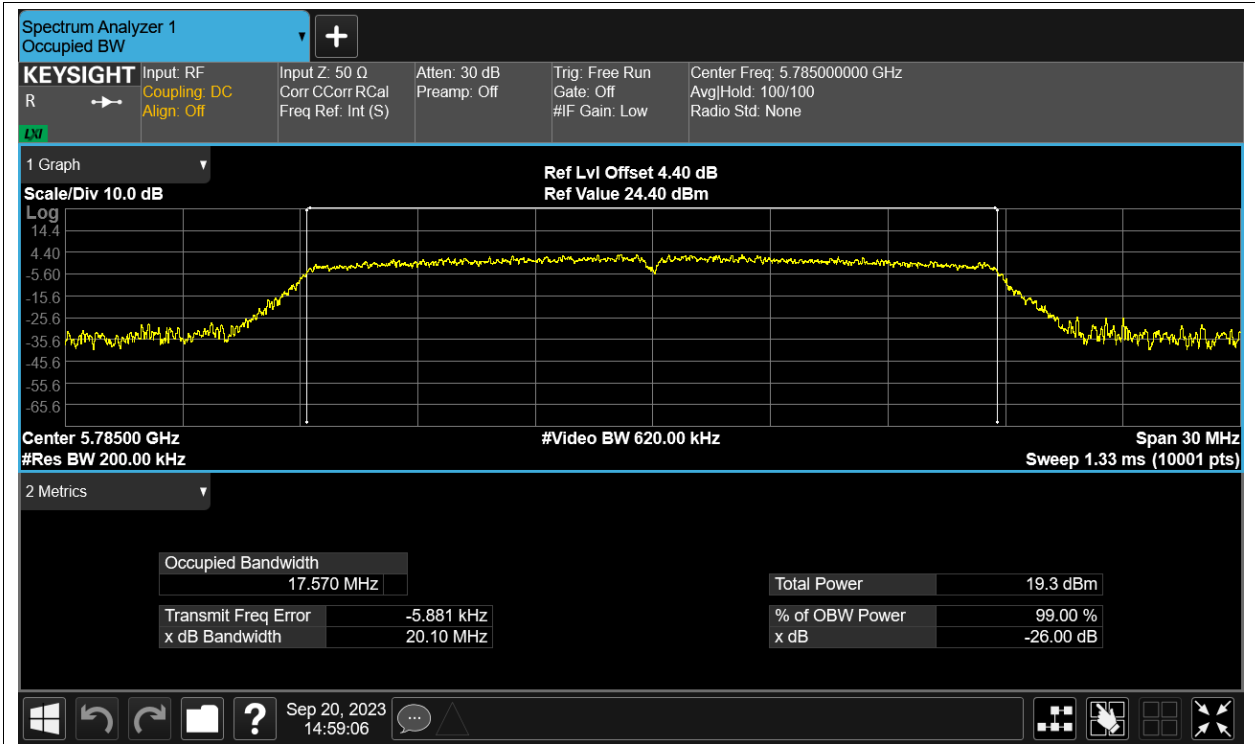
OBW NVNT ac80 5775MHz Ant12



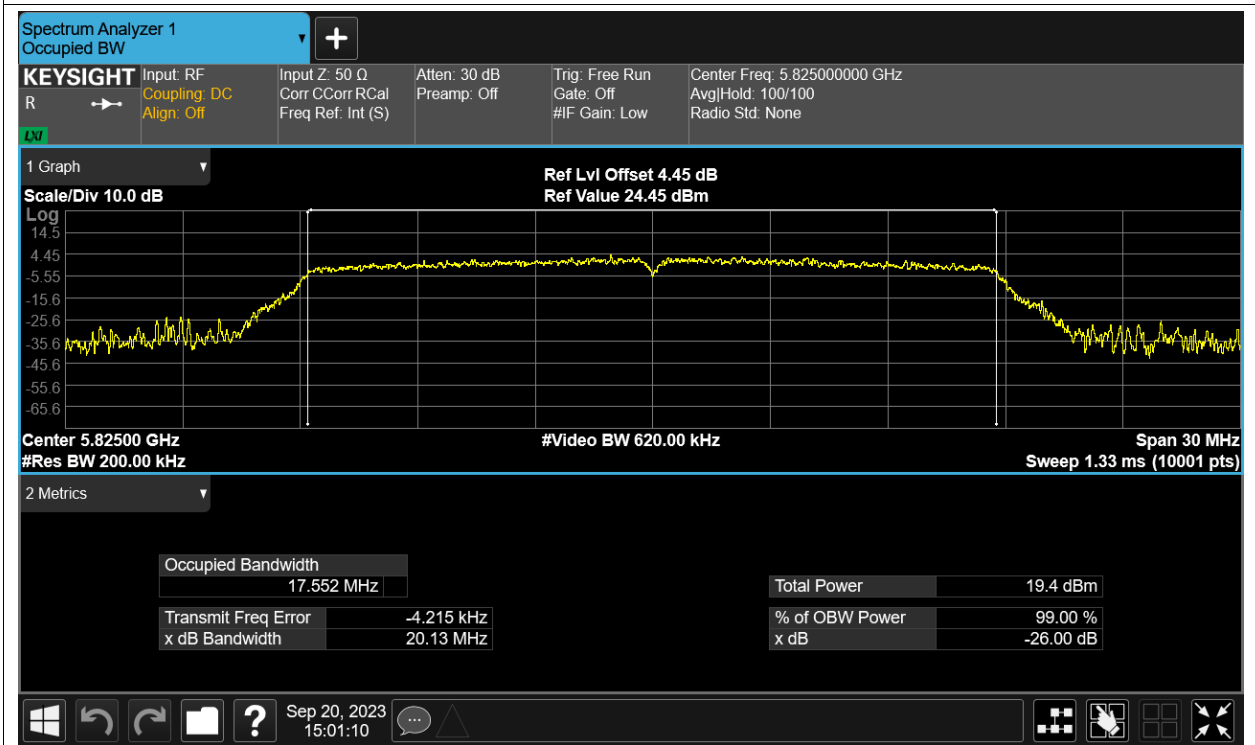
OBW NVNT n20 5745MHz Ant12



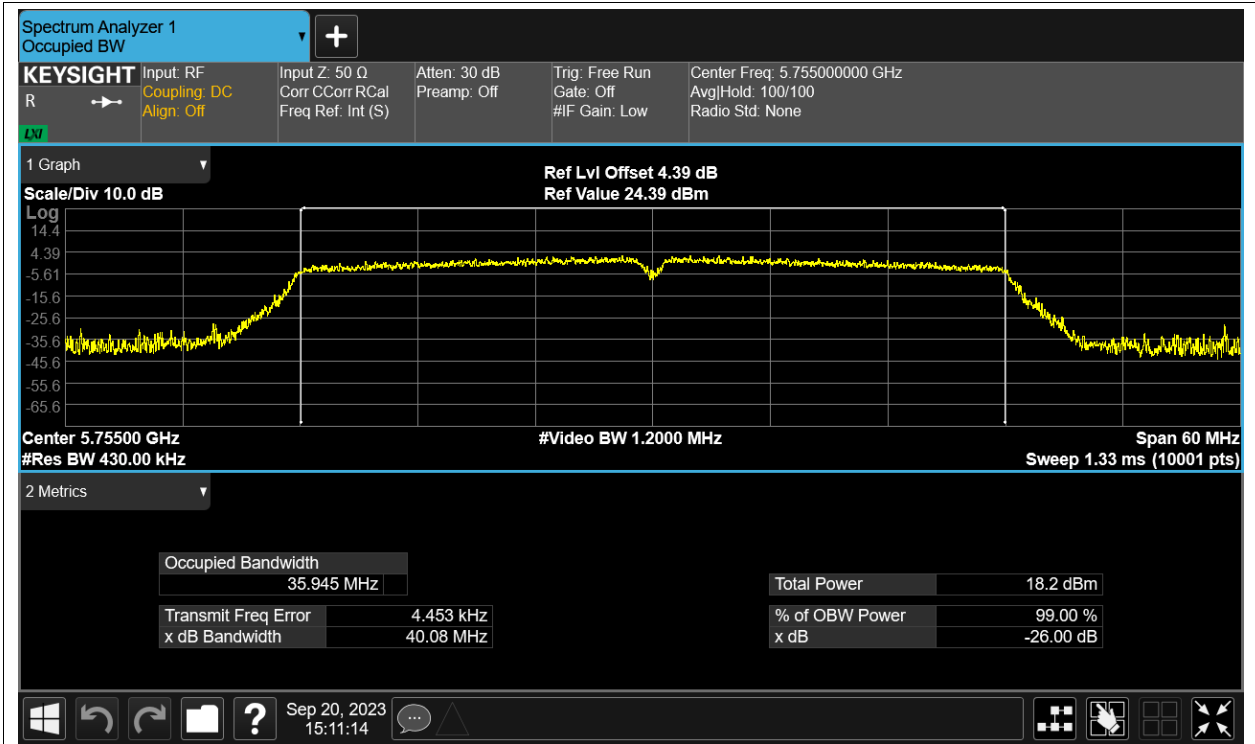
OBW NVNT n20 5785MHz Ant12



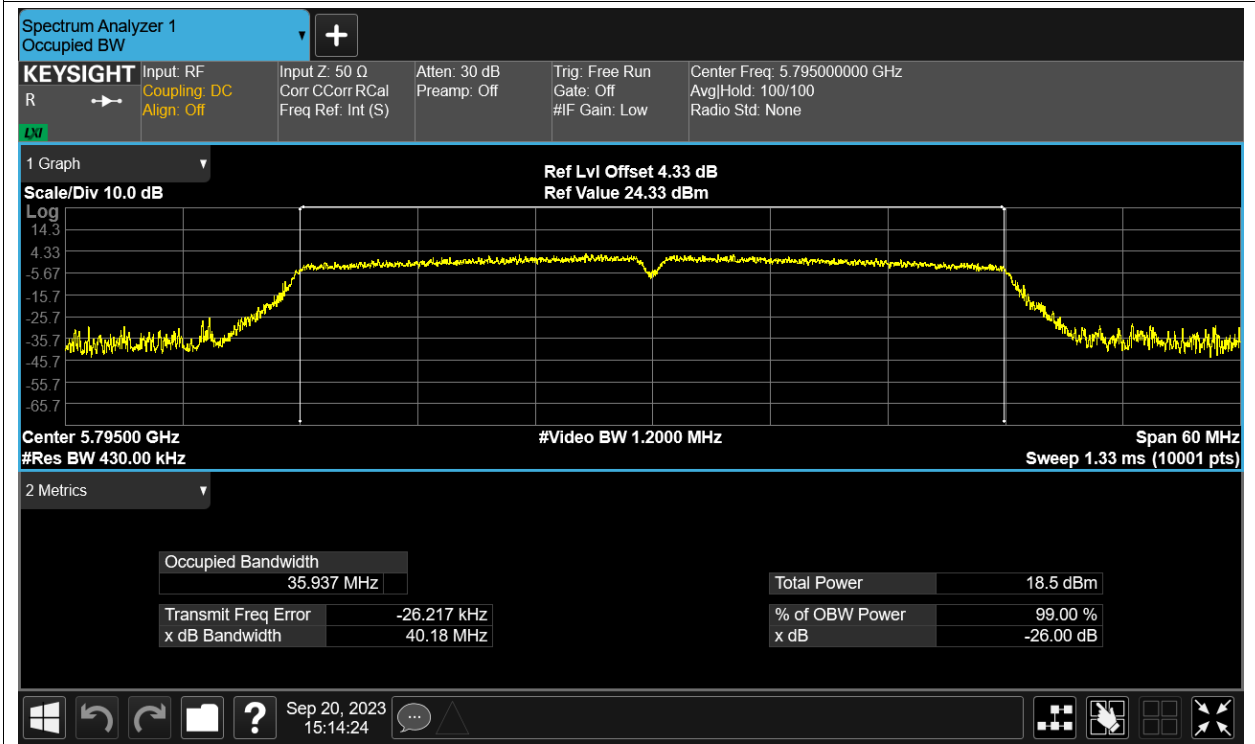
OBW NVNT n20 5825MHz Ant12



OBW NVNT n40 5755MHz Ant12



OBW NVNT n40 5795MHz Ant12

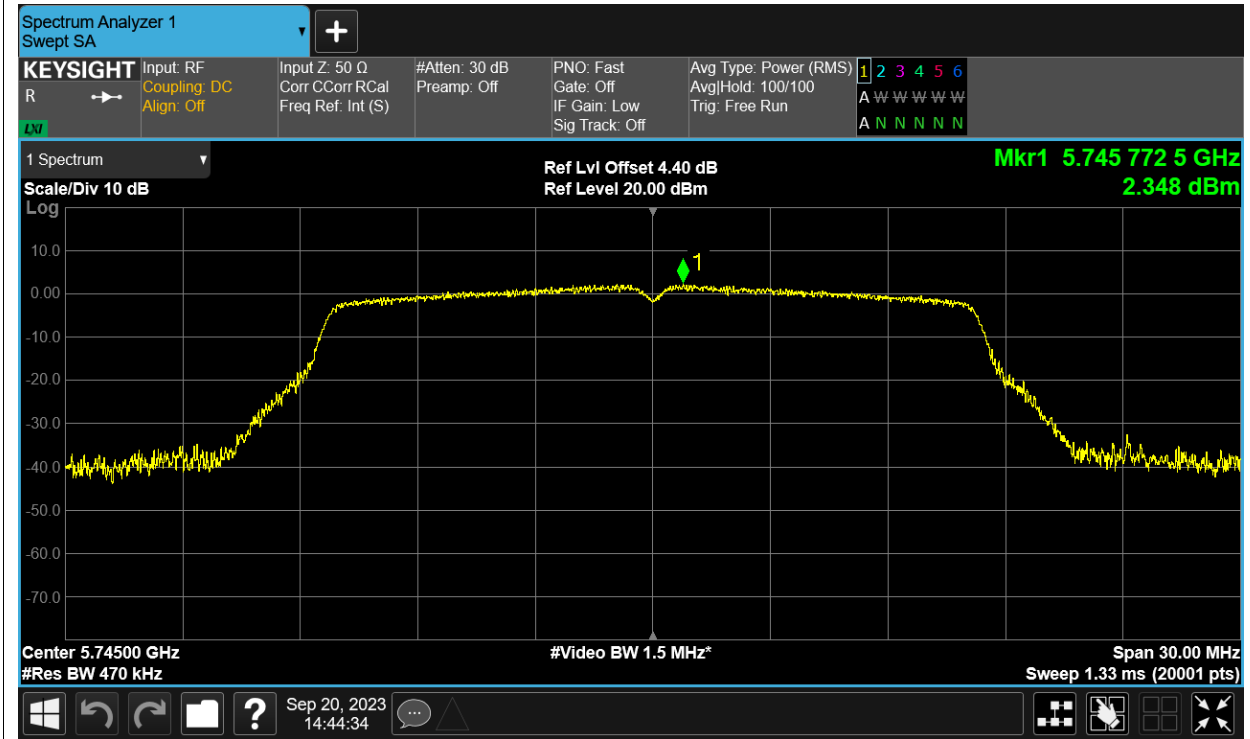


Maximum Power Spectral Density Level

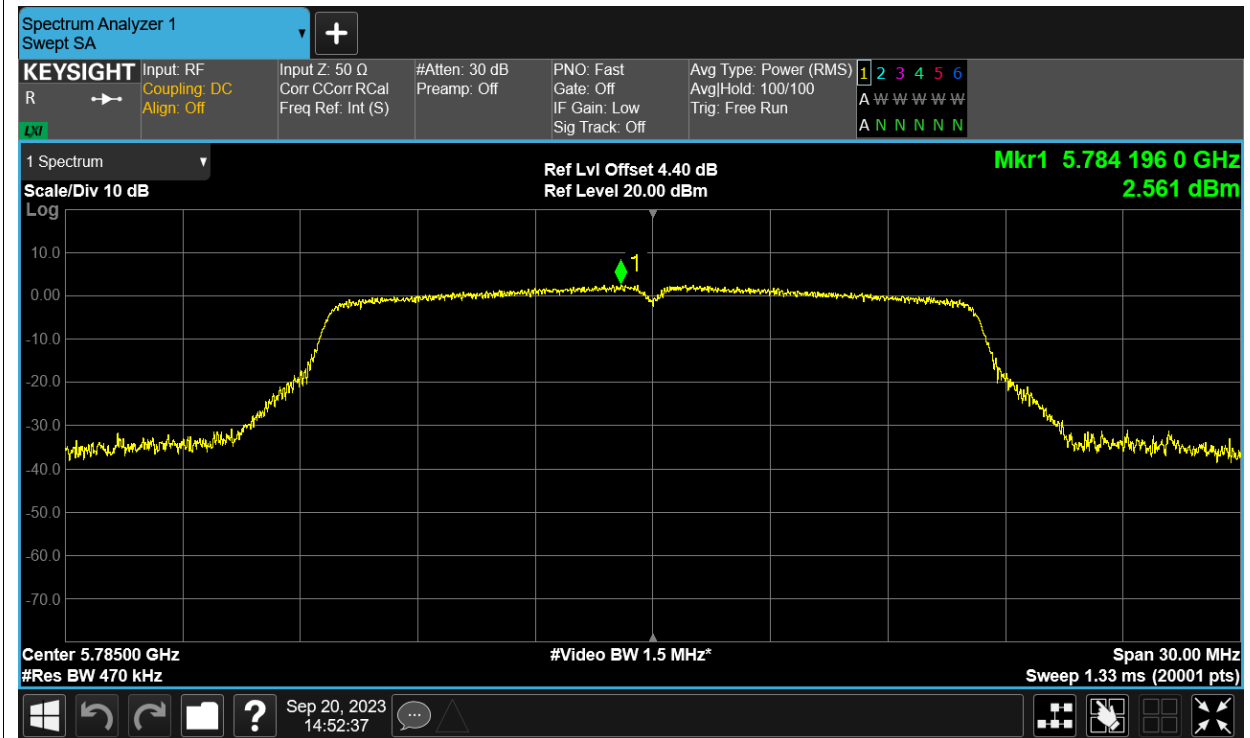
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant12	2.348	30	Pass
NVNT	a	5785	Ant12	2.561	30	Pass
NVNT	a	5825	Ant12	2.661	30	Pass
NVNT	ac20	5745	Ant12	0.773	30	Pass
NVNT	ac20	5785	Ant12	0.808	30	Pass
NVNT	ac20	5825	Ant12	0.891	30	Pass
NVNT	ac40	5755	Ant12	-3.484	30	Pass
NVNT	ac40	5795	Ant12	-3.876	30	Pass
NVNT	ac80	5775	Ant12	-5.805	30	Pass
NVNT	n20	5745	Ant12	0.816	30	Pass
NVNT	n20	5785	Ant12	0.986	30	Pass
NVNT	n20	5825	Ant12	0.887	30	Pass
NVNT	n40	5755	Ant12	-3.394	30	Pass
NVNT	n40	5795	Ant12	-3.291	30	Pass

Test Graphs

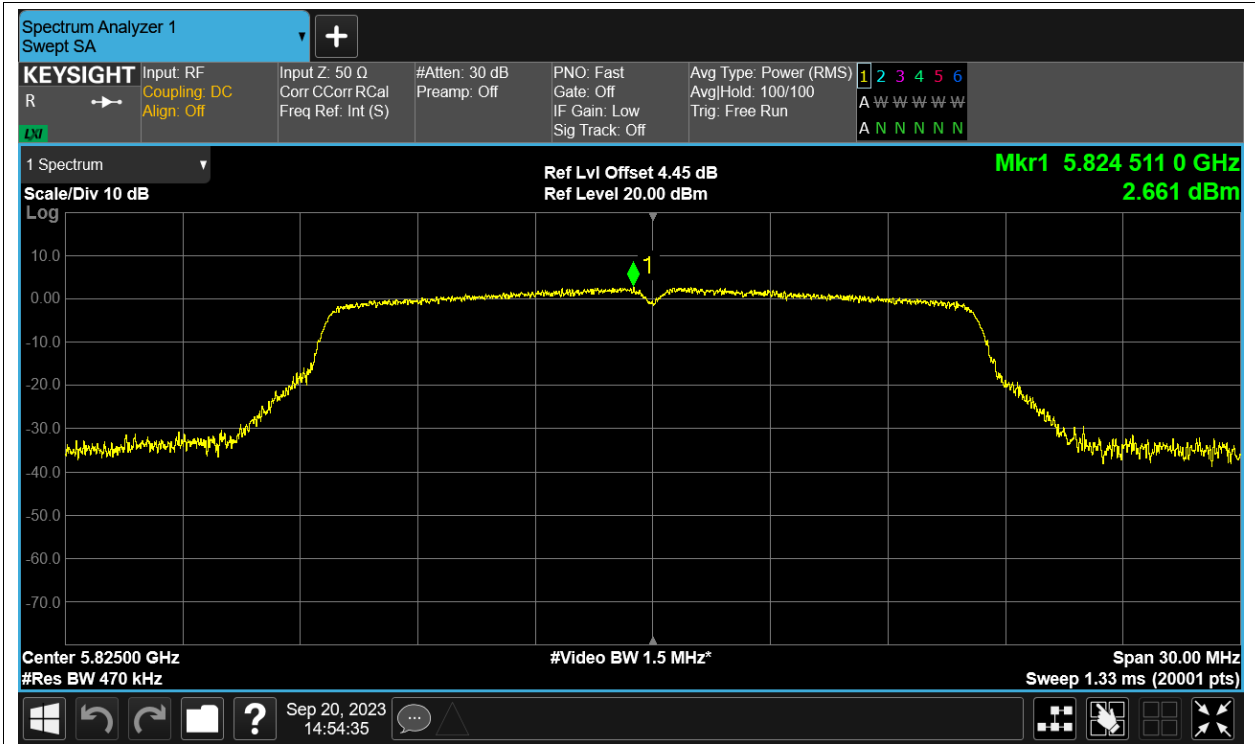
PSD NVNT a 5745MHz Ant12



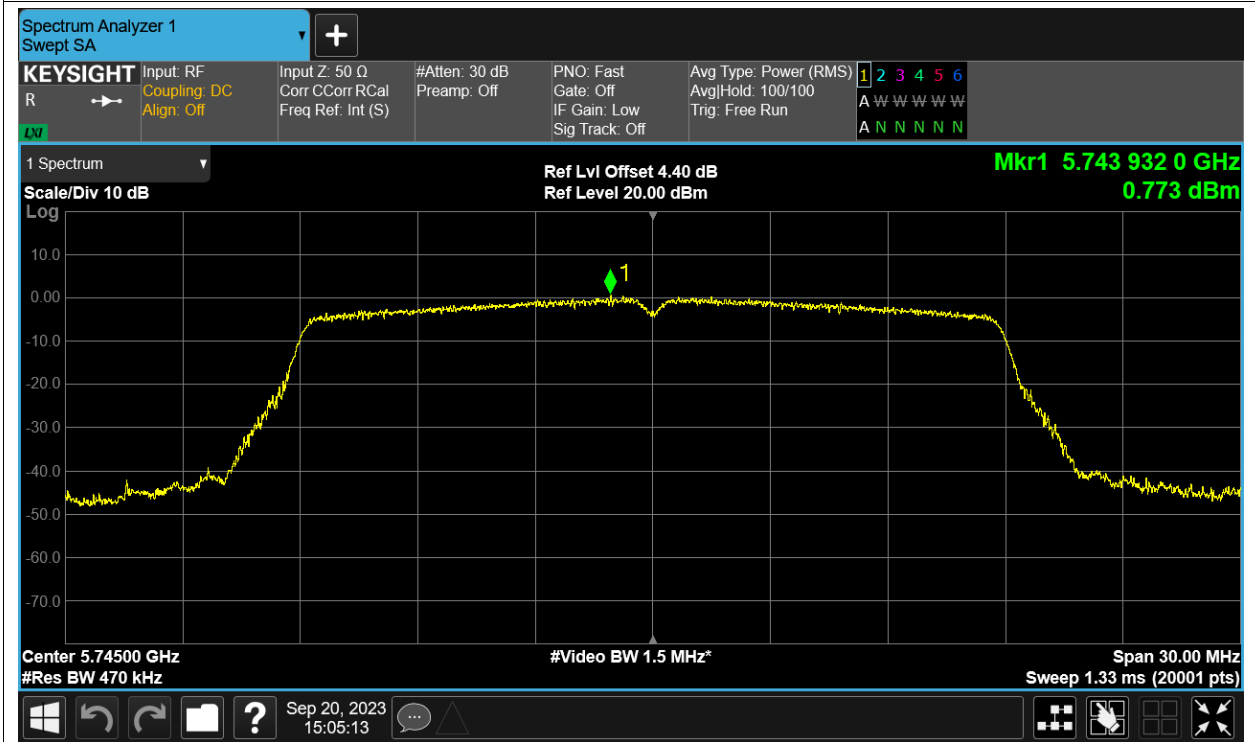
PSD NVNT a 5785MHz Ant12



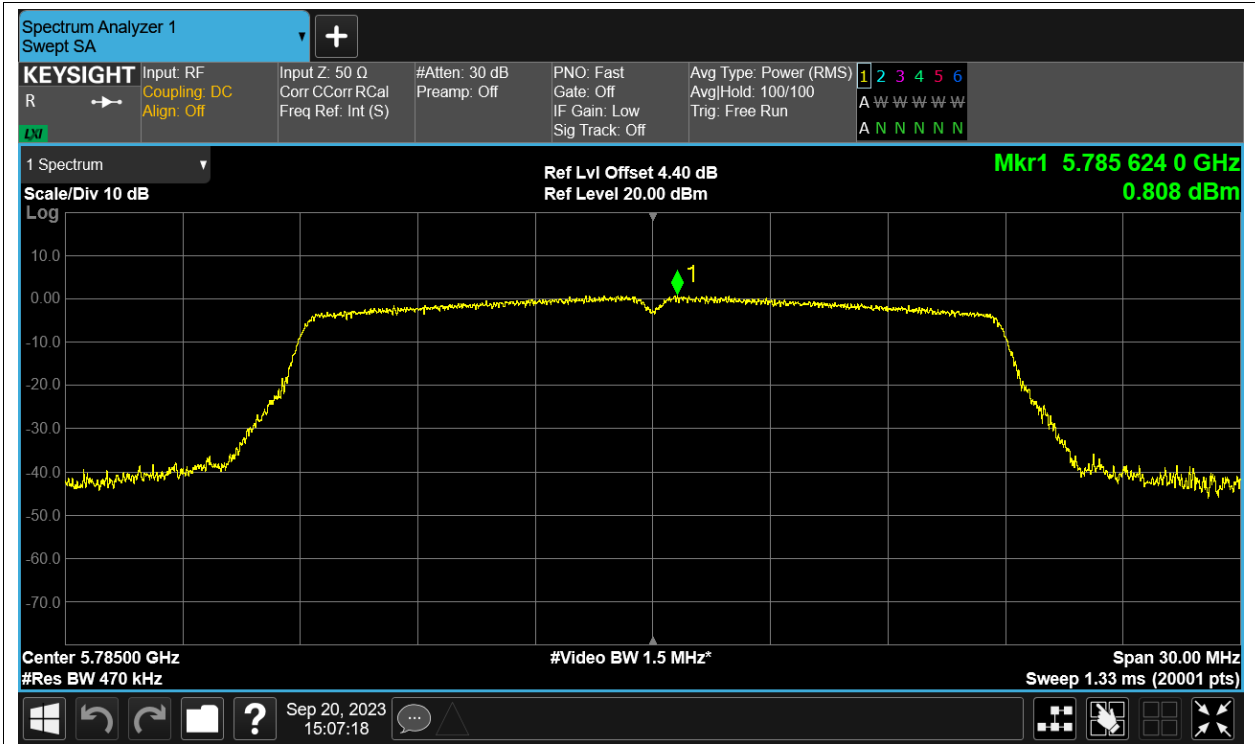
PSD NVNT a 5825MHz Ant12



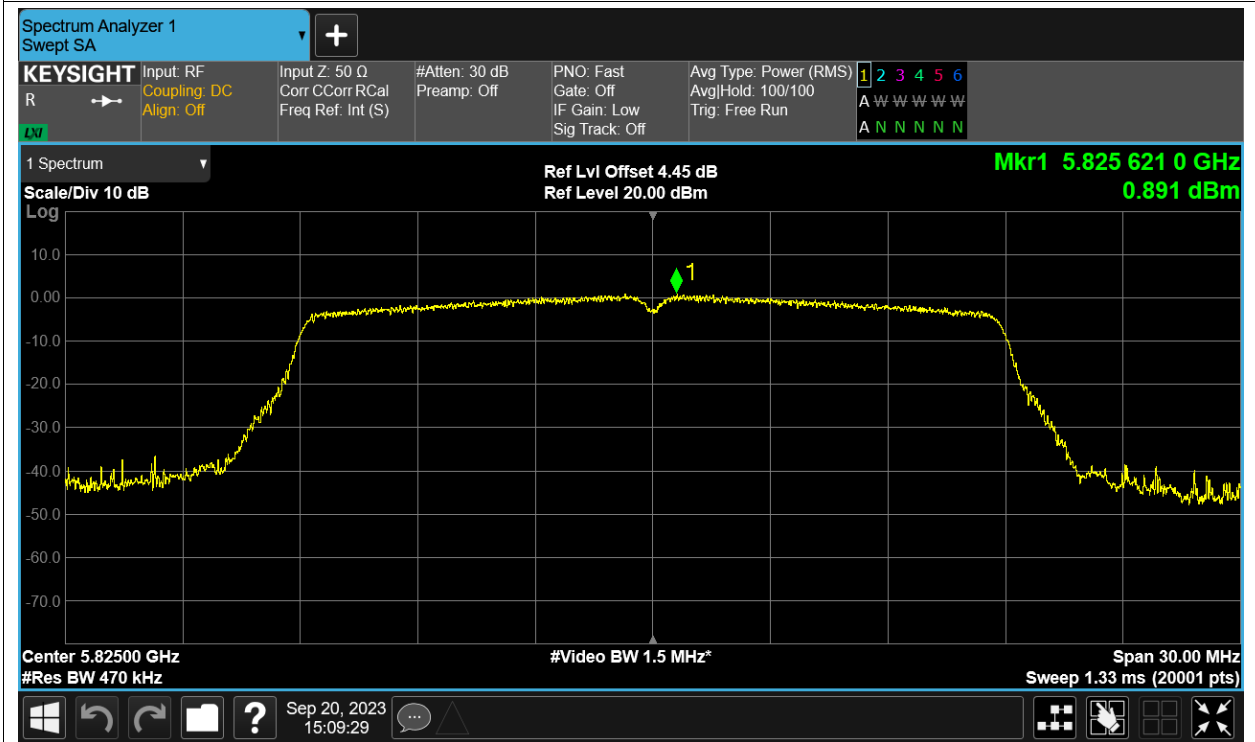
PSD NVNT ac20 5745MHz Ant12



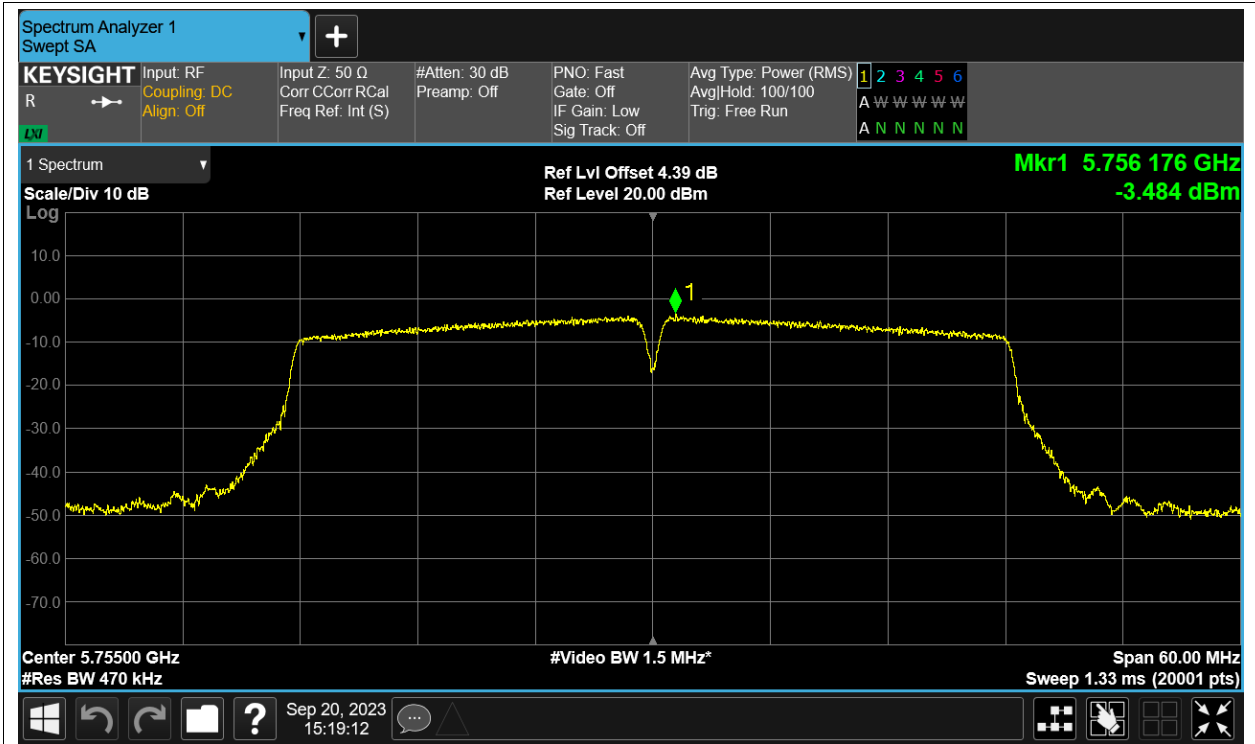
PSD NVNT ac20 5785MHz Ant12



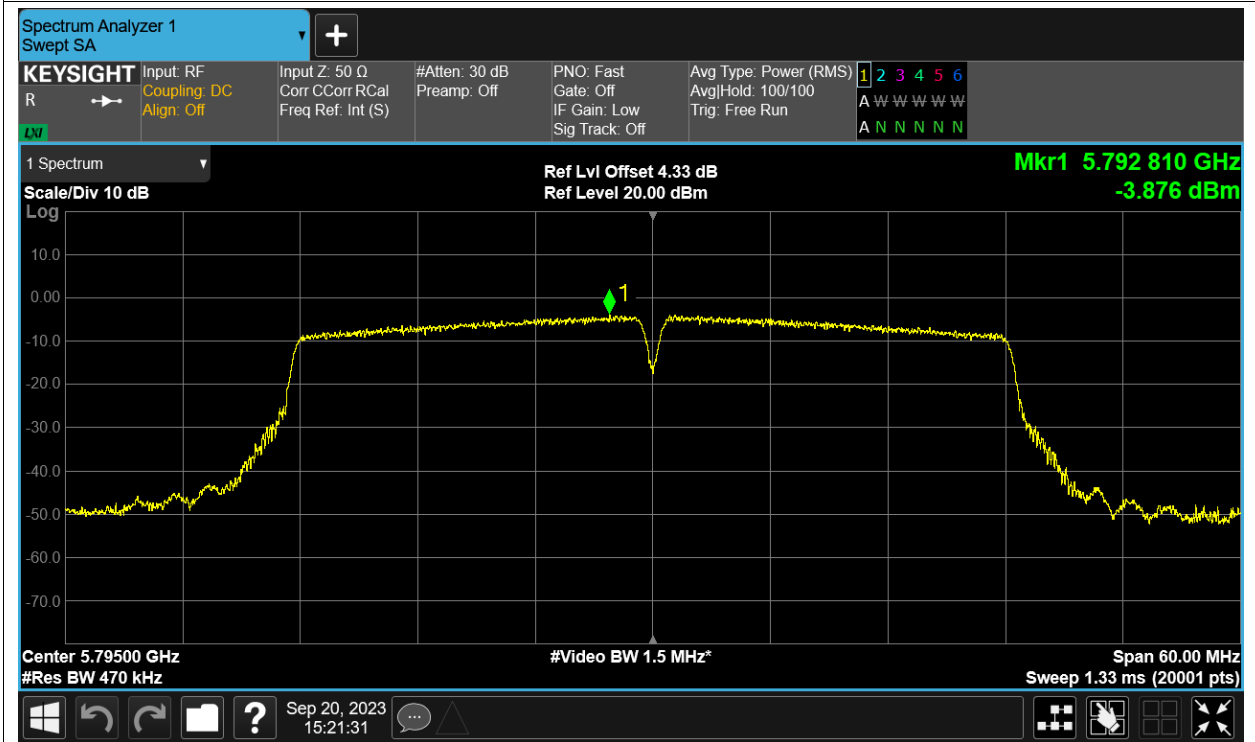
PSD NVNT ac20 5825MHz Ant12



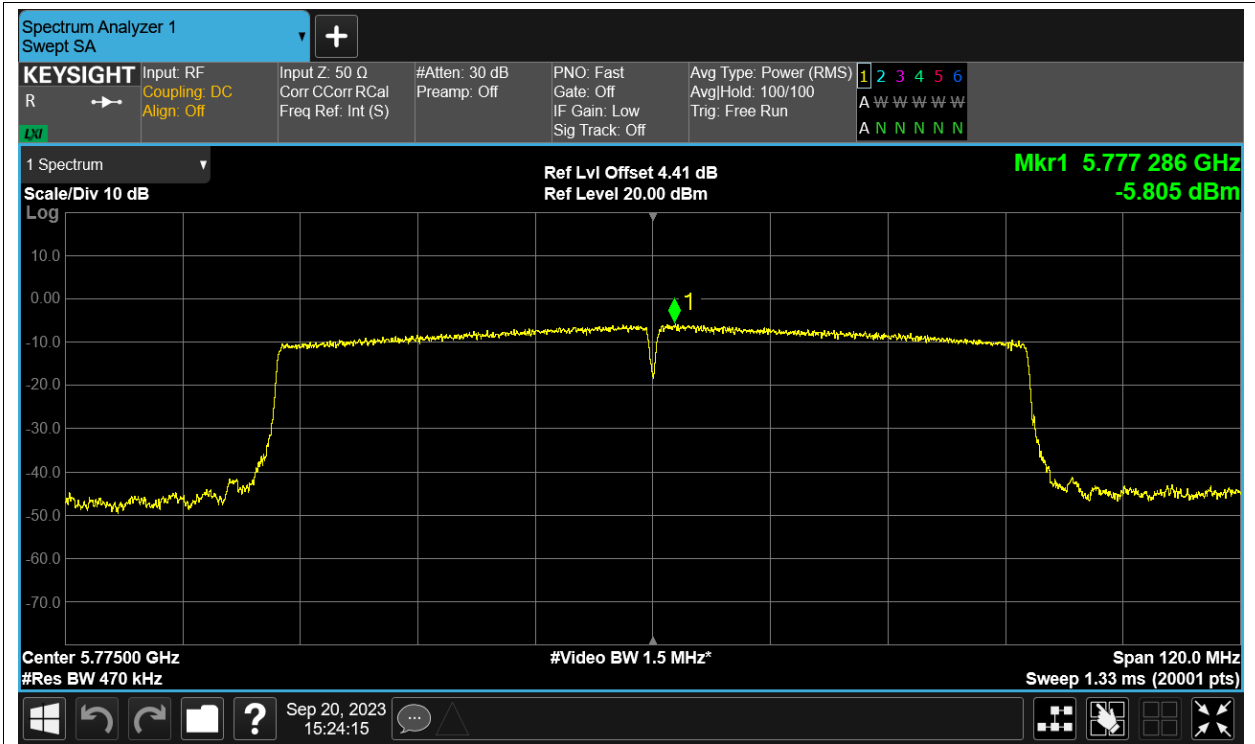
PSD NVNT ac40 5755MHz Ant12



PSD NVNT ac40 5795MHz Ant12



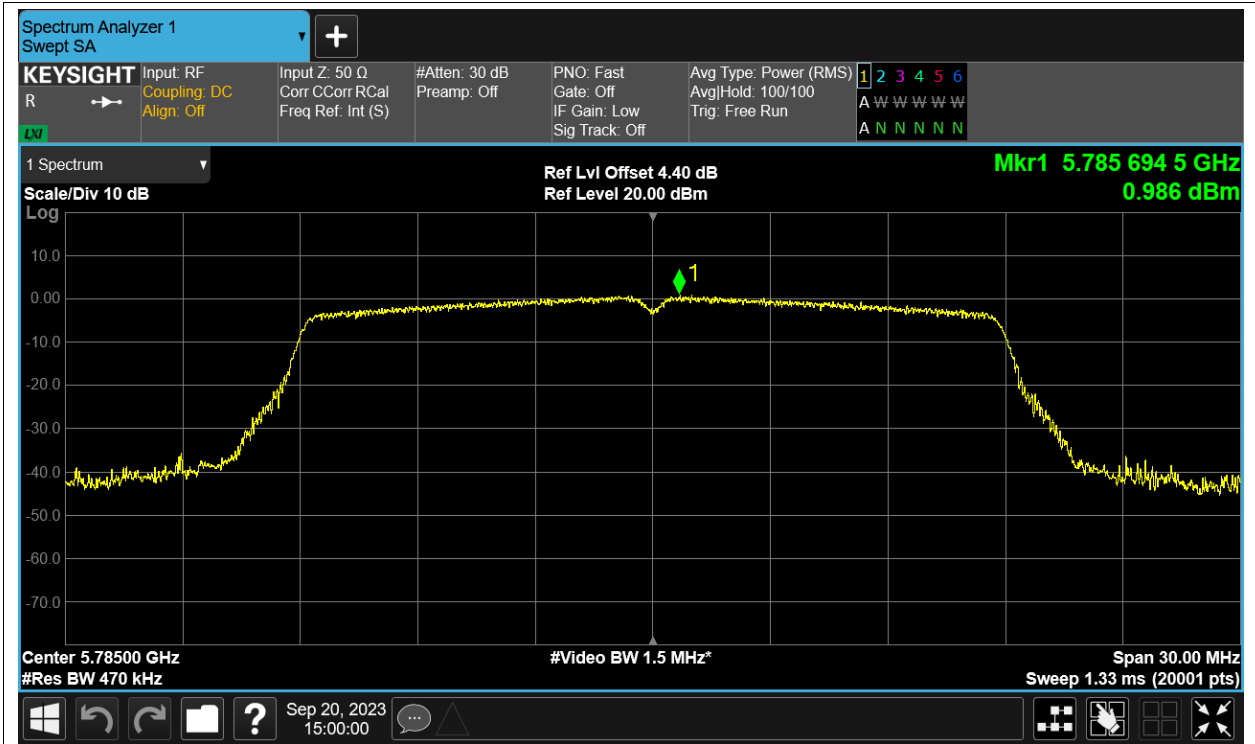
PSD NVNT ac80 5775MHz Ant12



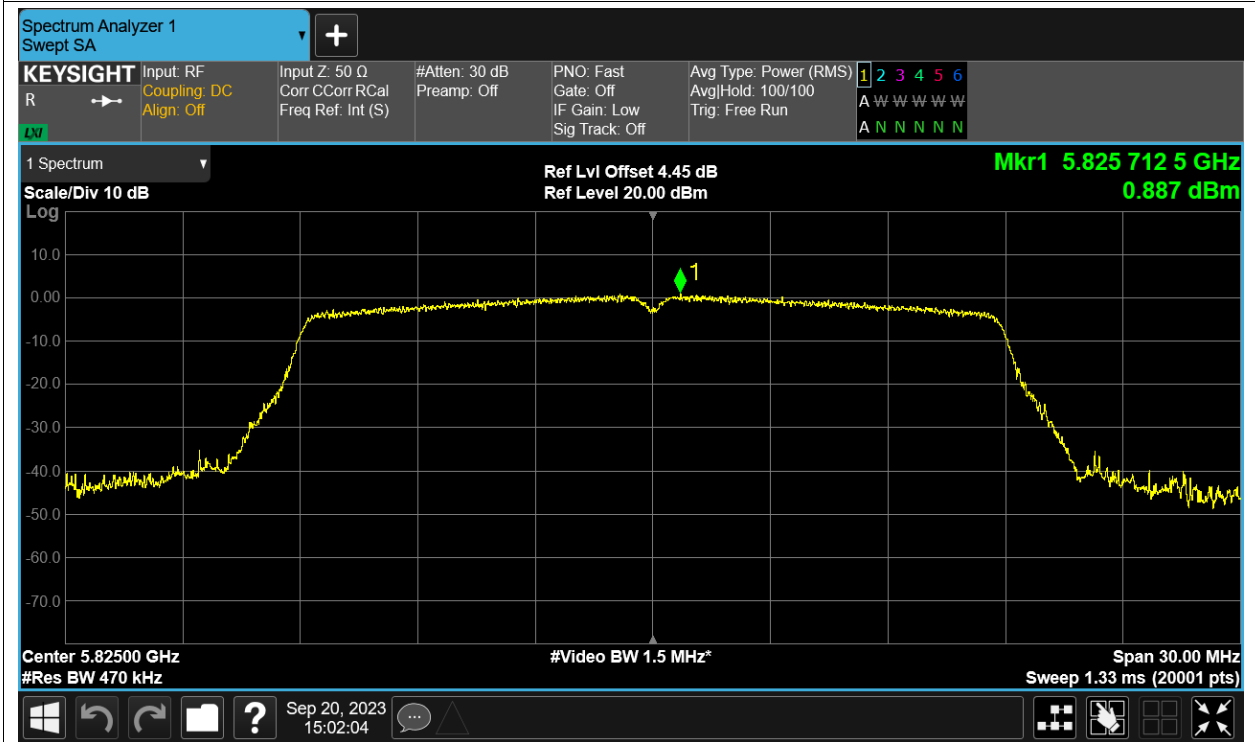
PSD NVNT n20 5745MHz Ant12



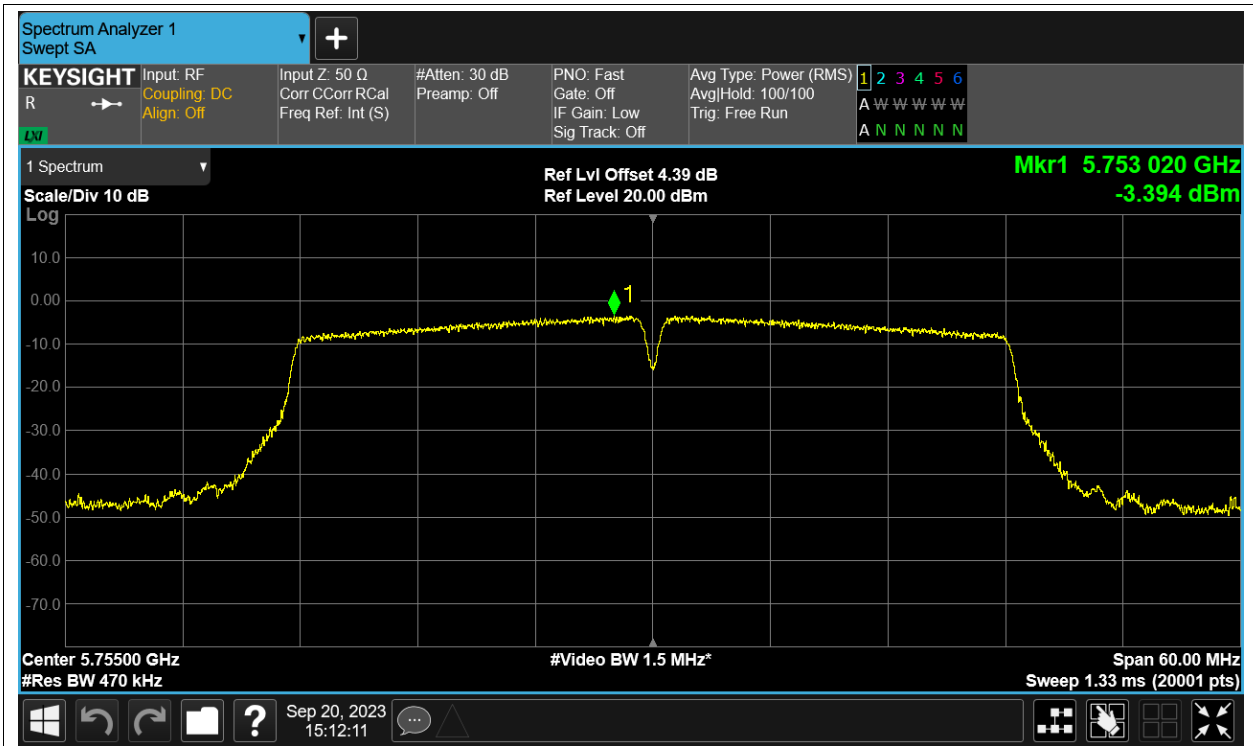
PSD NVNT n20 5785MHz Ant12



PSD NVNT n20 5825MHz Ant12



PSD NVNT n40 5755MHz Ant12



PSD NVNT n40 5795MHz Ant12

