

Test Data

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5745	Ant1	5744.9946	-0.94	Within authorized band	Pass
LVNT	a	5745	Ant1	5744.9948	-0.91		Pass
NVHT	a	5745	Ant1	5744.9948	-0.91		Pass
NVLT	a	5745	Ant1	5744.995	-0.87		Pass
NVNT	a	5745	Ant1	5744.9952	-0.84		Pass
HVNT	ac80	5775	Ant1	5774.9886	-1.97		Pass
LVNT	ac80	5775	Ant1	5774.9888	-1.94		Pass
NVHT	ac80	5775	Ant1	5774.989	-1.9		Pass
NVLT	ac80	5775	Ant1	5774.9886	-1.97		Pass
NVNT	ac80	5775	Ant1	5774.9896	-1.8		Pass
HVNT	n40	5755	Ant1	5754.9974	-0.45		Pass
LVNT	n40	5755	Ant1	5754.9976	-0.42		Pass
NVHT	n40	5755	Ant1	5754.9978	-0.38		Pass
NVLT	n40	5755	Ant1	5754.998	-0.35		Pass
NVNT	n40	5755	Ant1	5754.998	-0.35		Pass

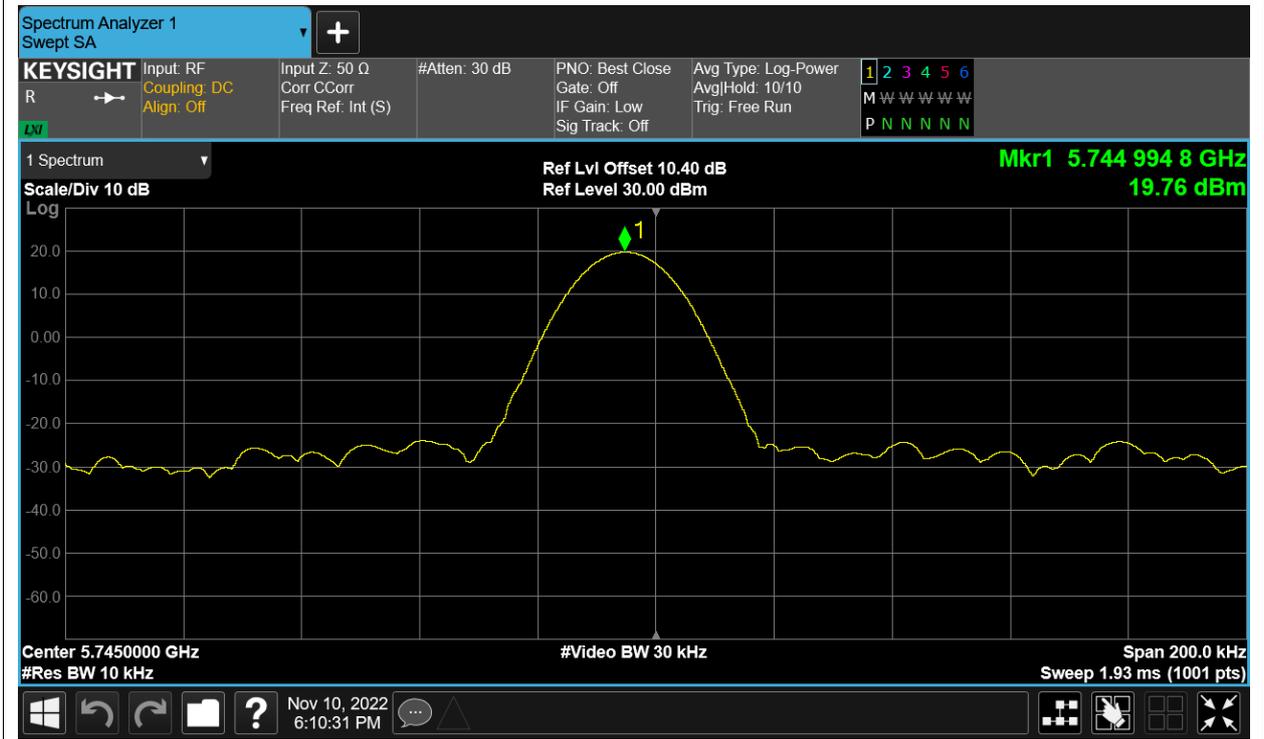
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature

Test Graphs

Freq. Stability HVNT a 5745MHz Ant1



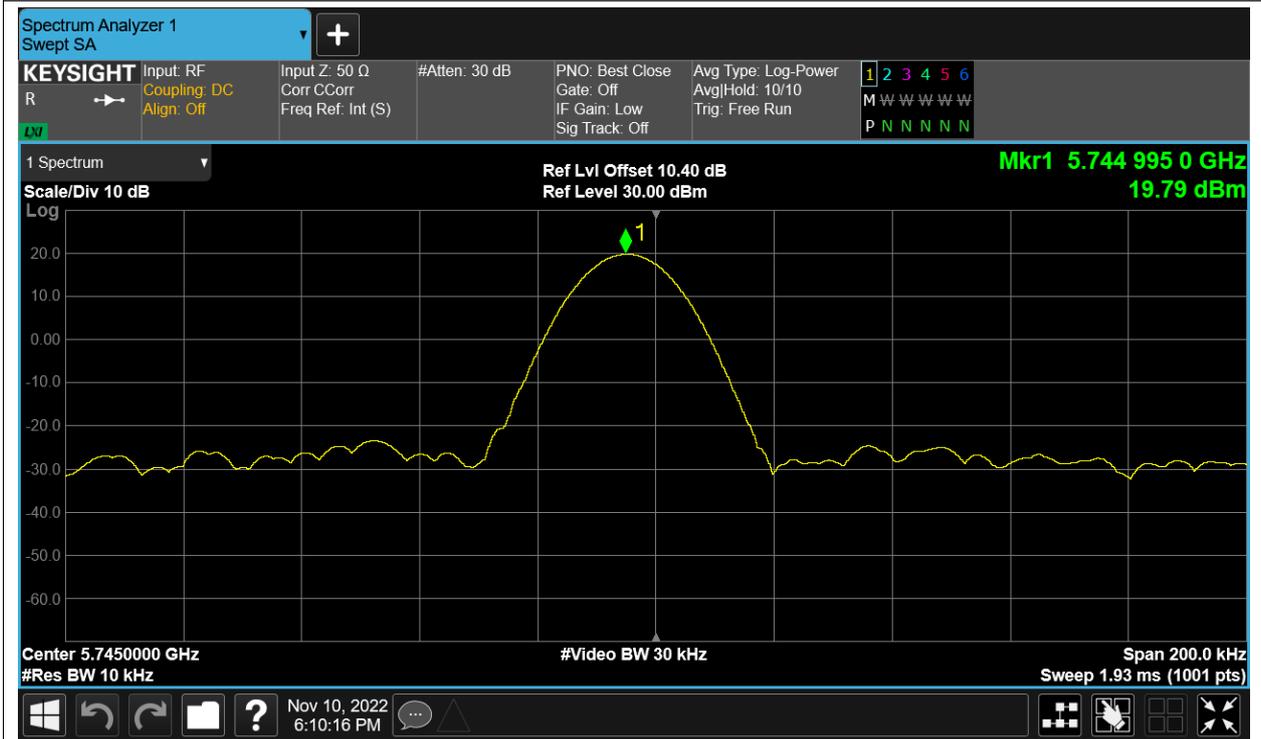
Freq. Stability LVNT a 5745MHz Ant1



Freq. Stability NVHT a 5745MHz Ant1



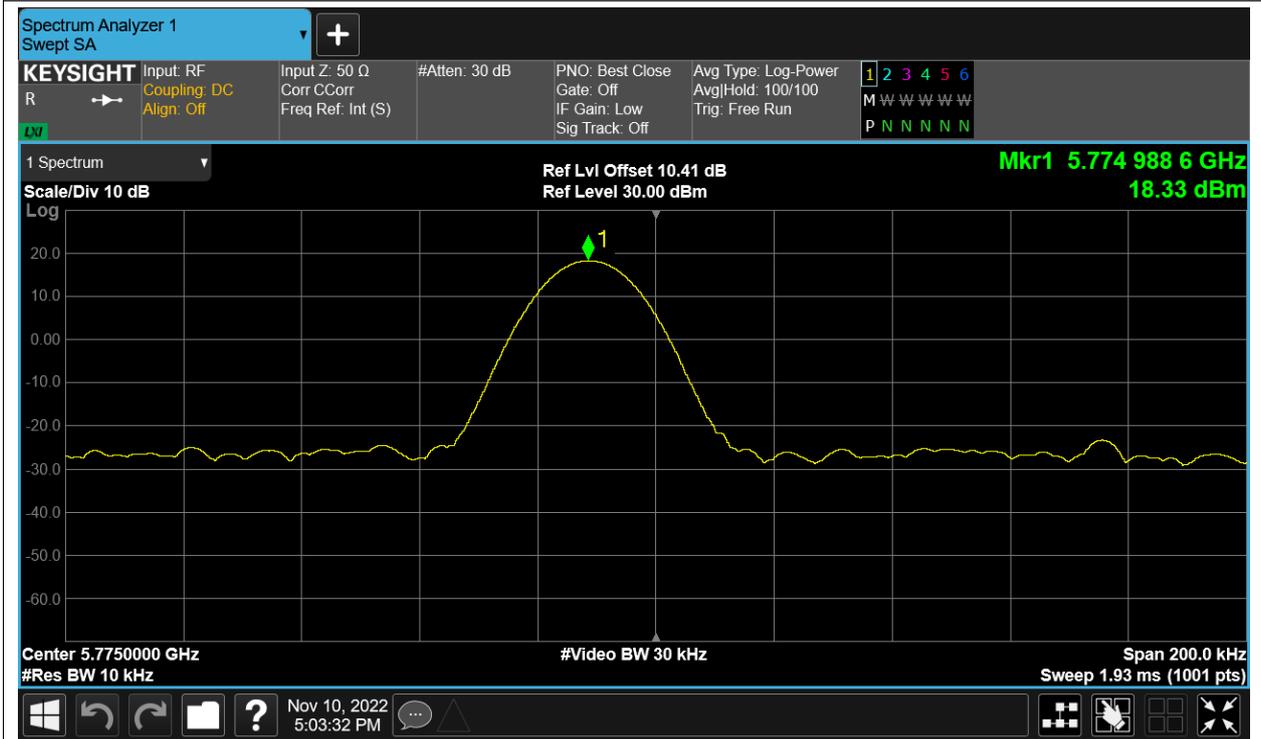
Freq. Stability NVLT a 5745MHz Ant1



Freq. Stability NVNT a 5745MHz Ant1



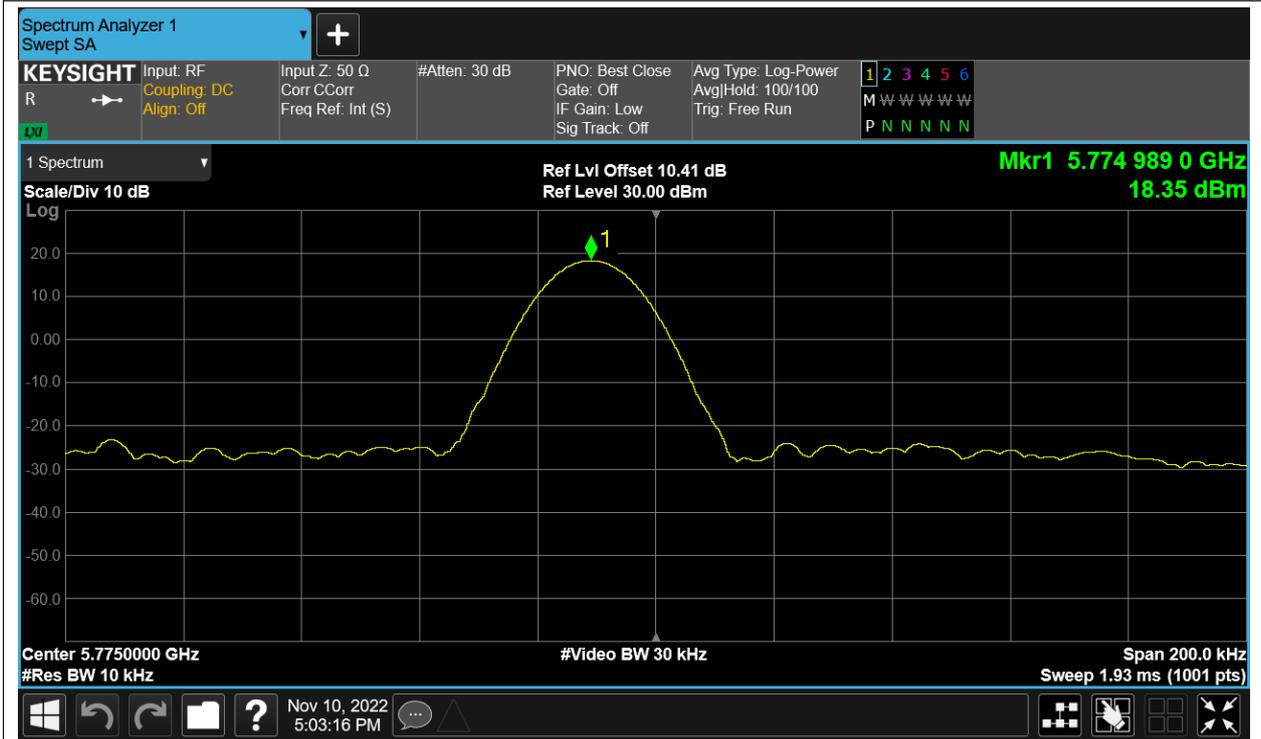
Freq. Stability HVNT ac80 5775MHz Ant1



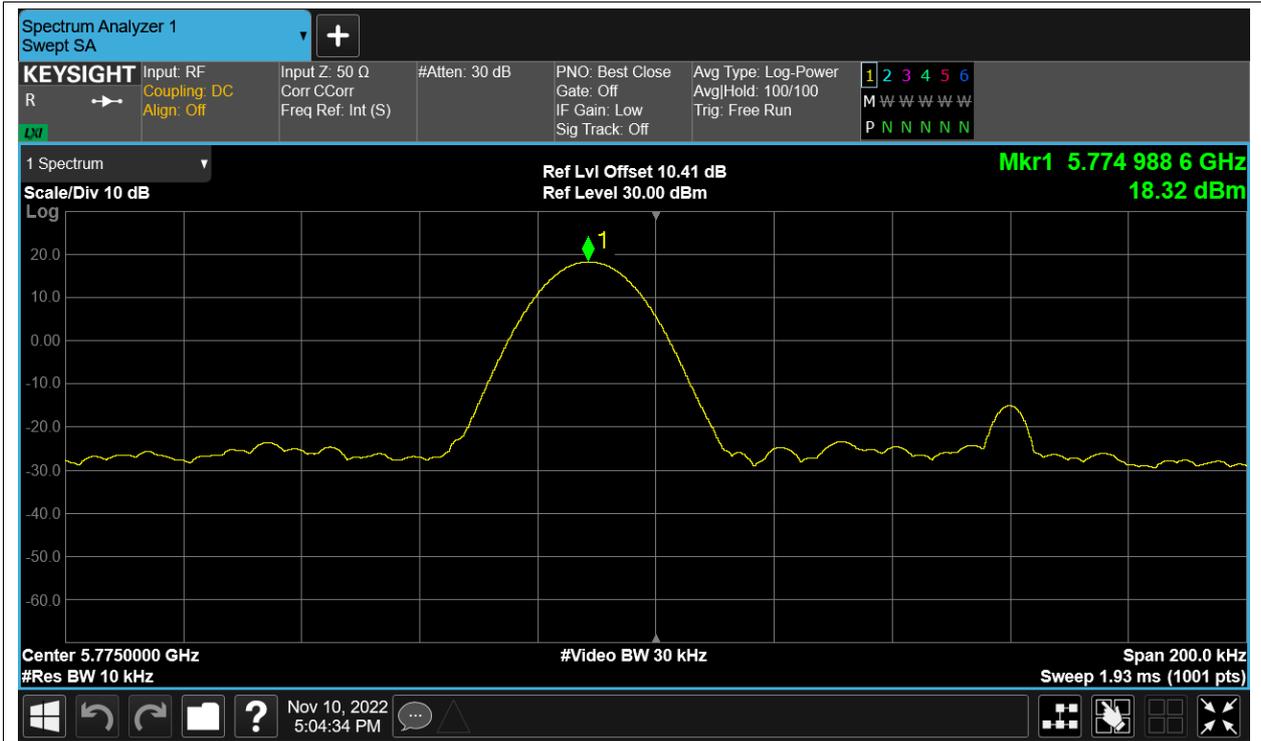
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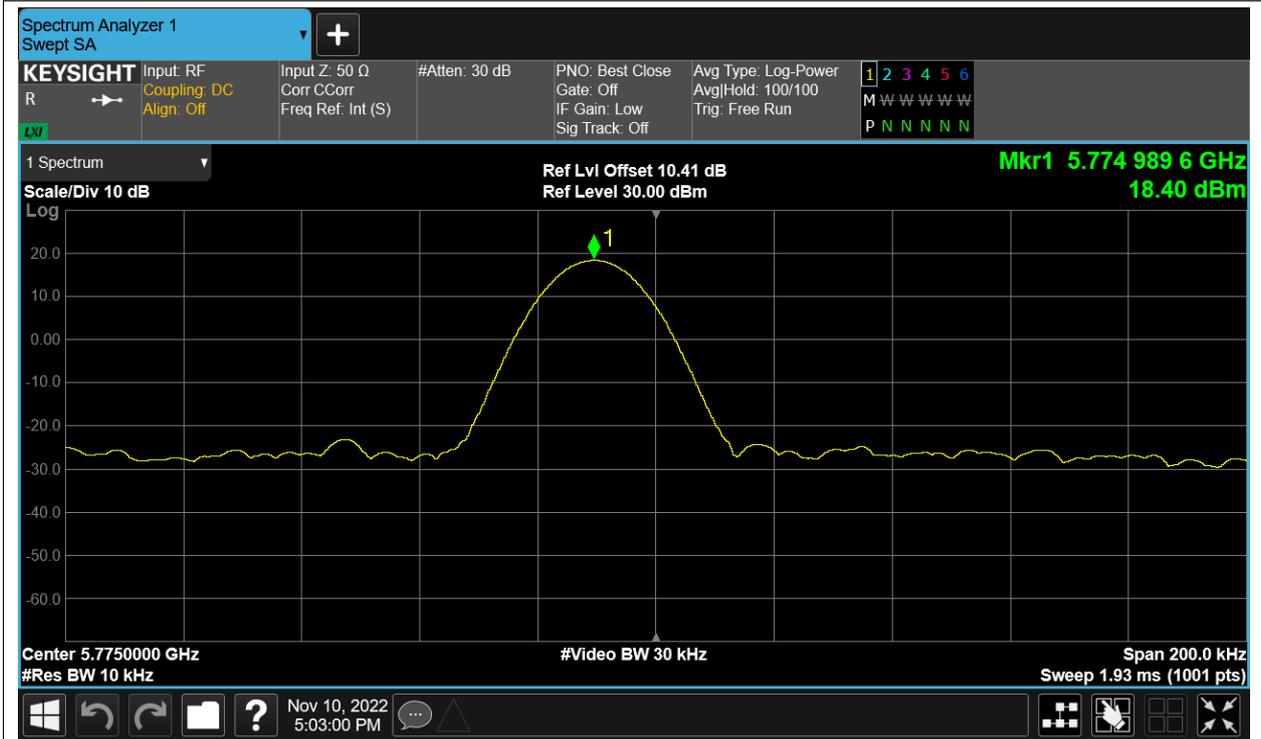
Freq. Stability NVHT ac80 5775MHz Ant1



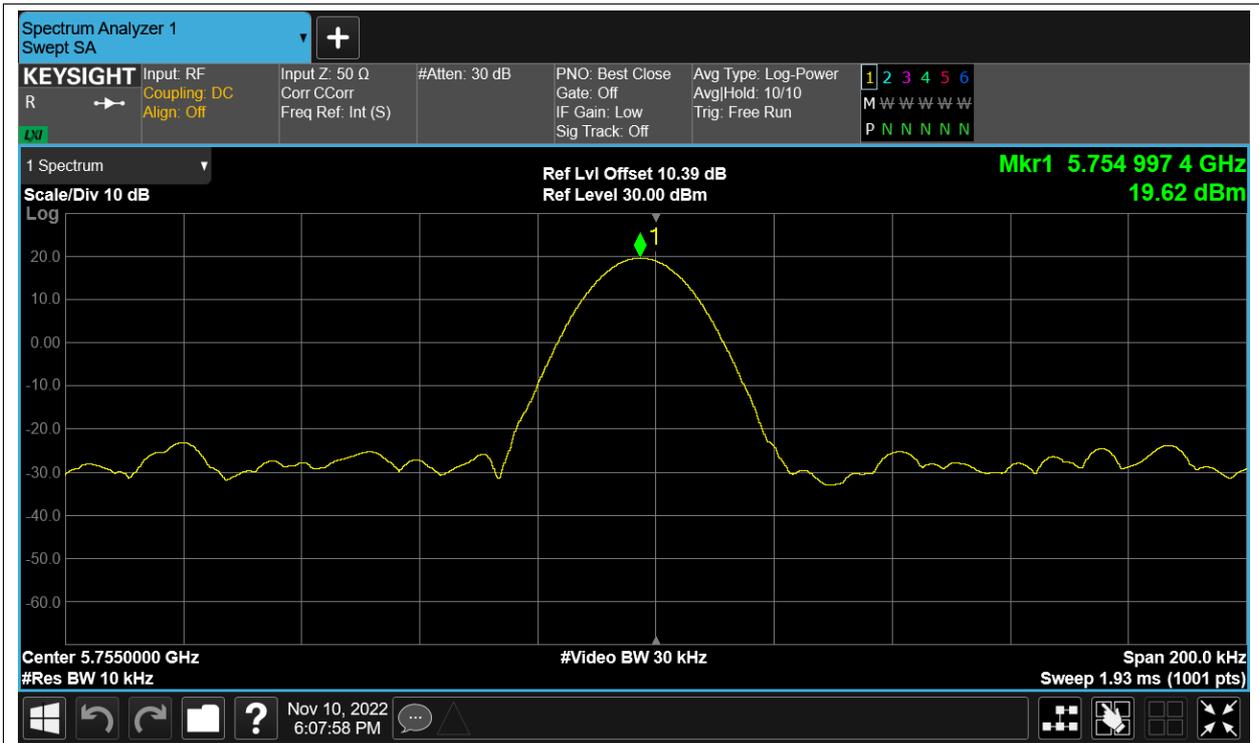
Freq. Stability NVLT ac80 5775MHz Ant1



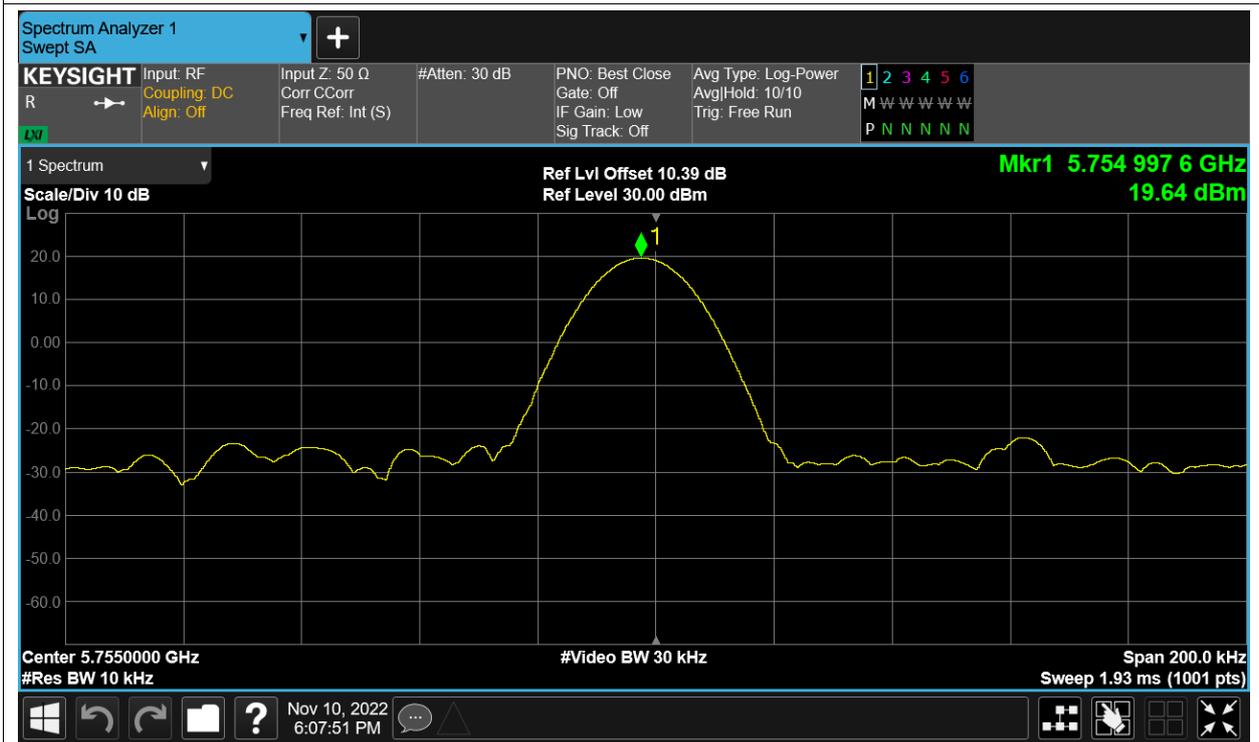
Freq. Stability NVNT ac80 5775MHz Ant1



Freq. Stability HVNT n40 5755MHz Ant1



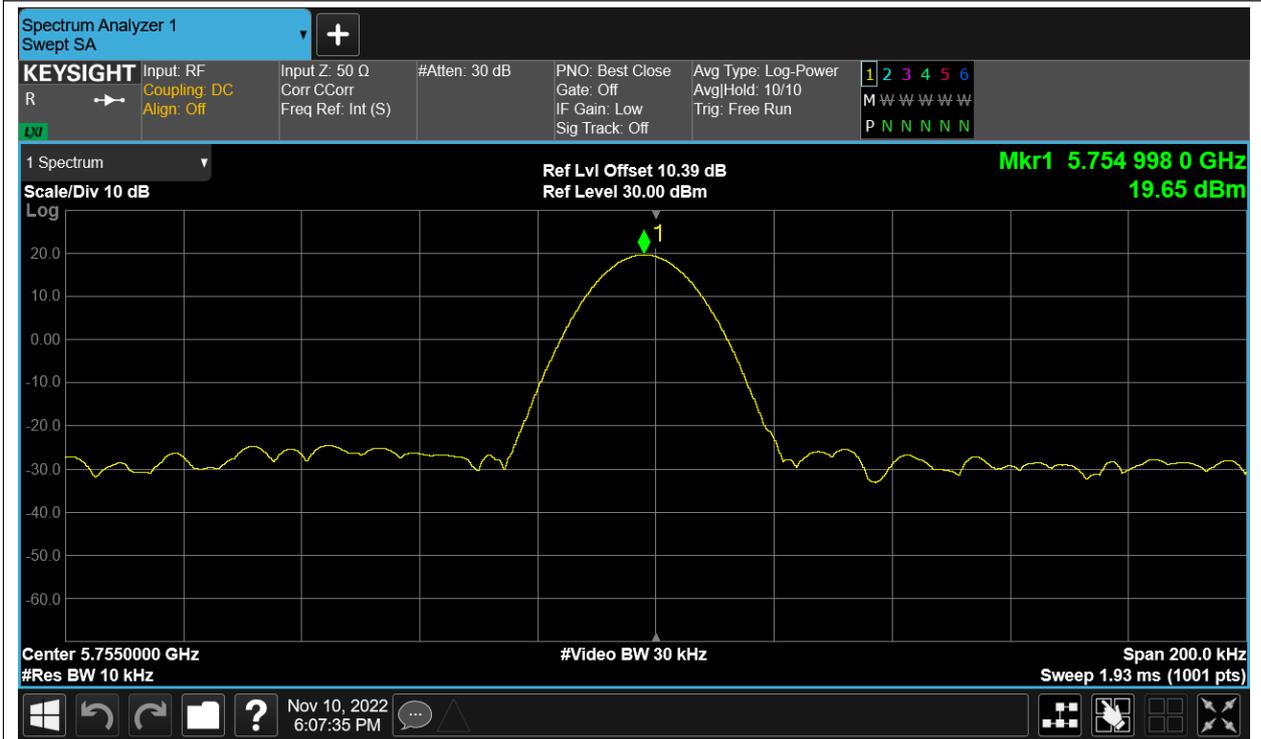
Freq. Stability LVNT n40 5755MHz Ant1



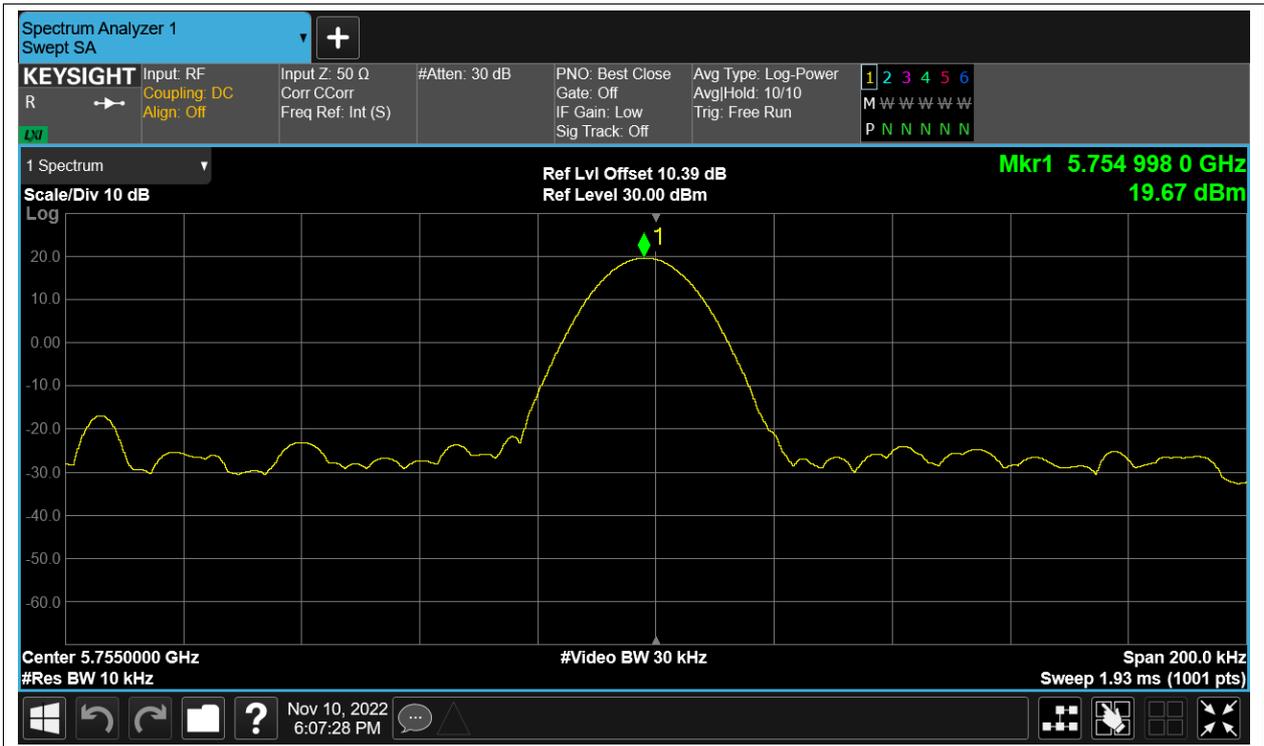
Freq. Stability NVHT n40 5755MHz Ant1



Freq. Stability NVLT n40 5755MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1

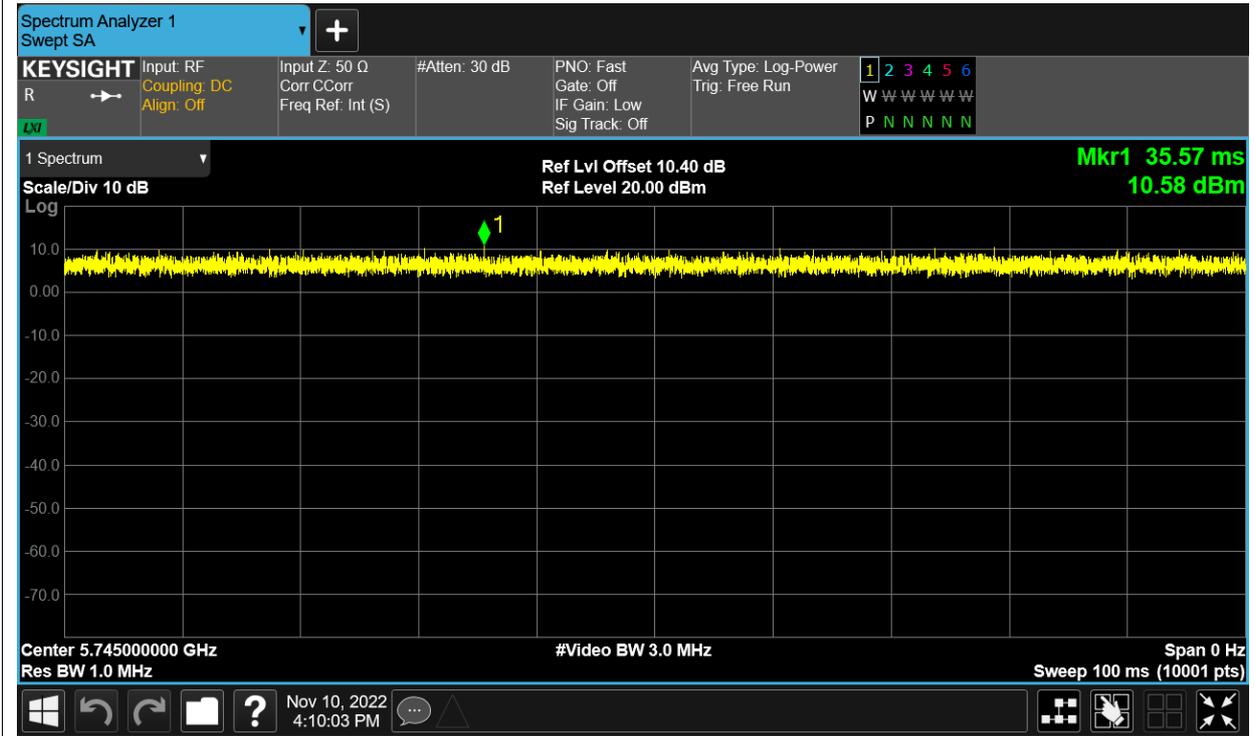


Duty Cycle

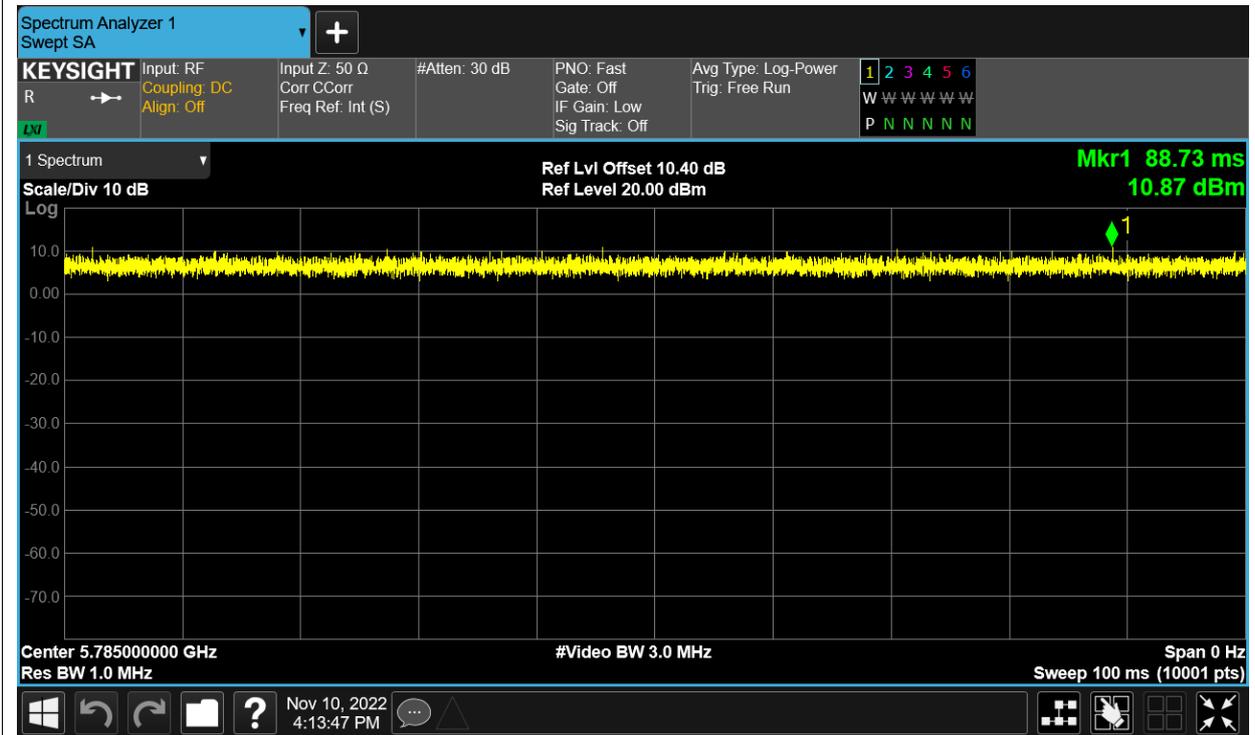
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	100	0
NVNT	a	5785	Ant1	100	0
NVNT	a	5825	Ant1	100	0
NVNT	ac20	5745	Ant1	100	0
NVNT	ac20	5785	Ant1	100	0
NVNT	ac20	5825	Ant1	100	0
NVNT	ac40	5755	Ant1	100	0
NVNT	ac40	5795	Ant1	100	0
NVNT	ac80	5775	Ant1	100	0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

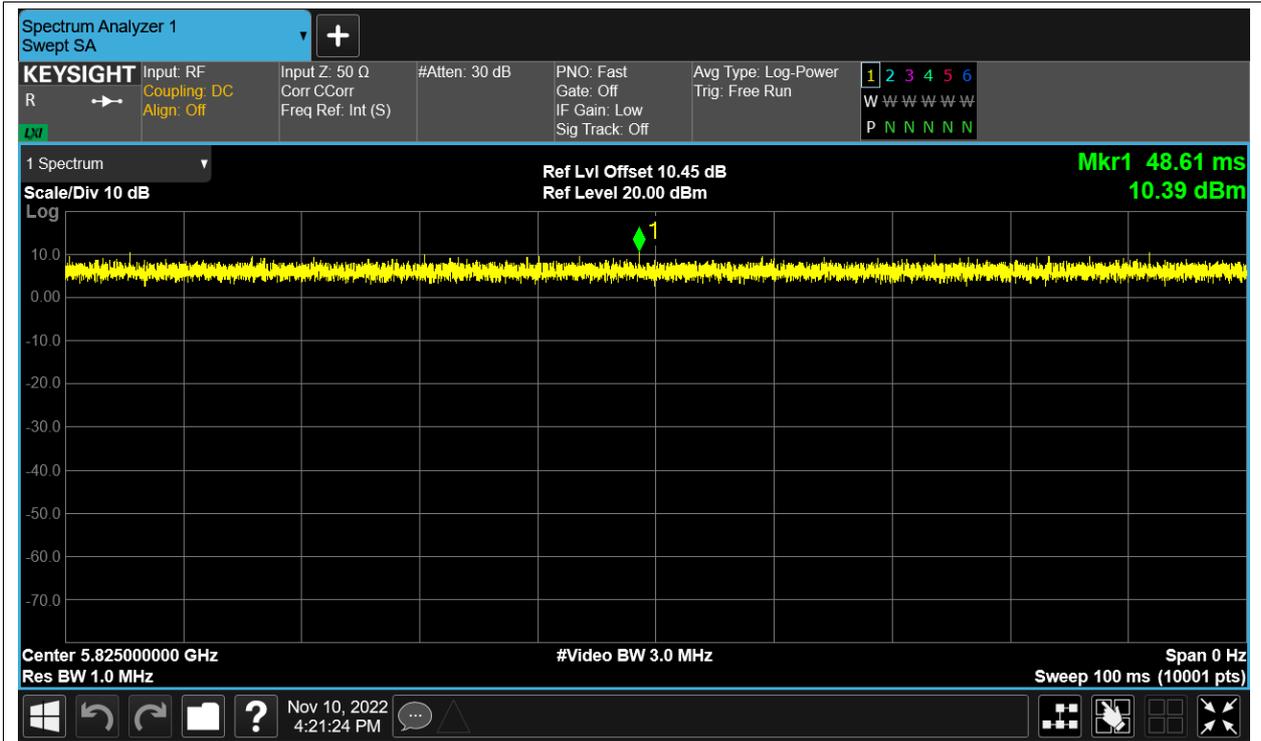
Duty Cycle NVNT a 5745MHz Ant1



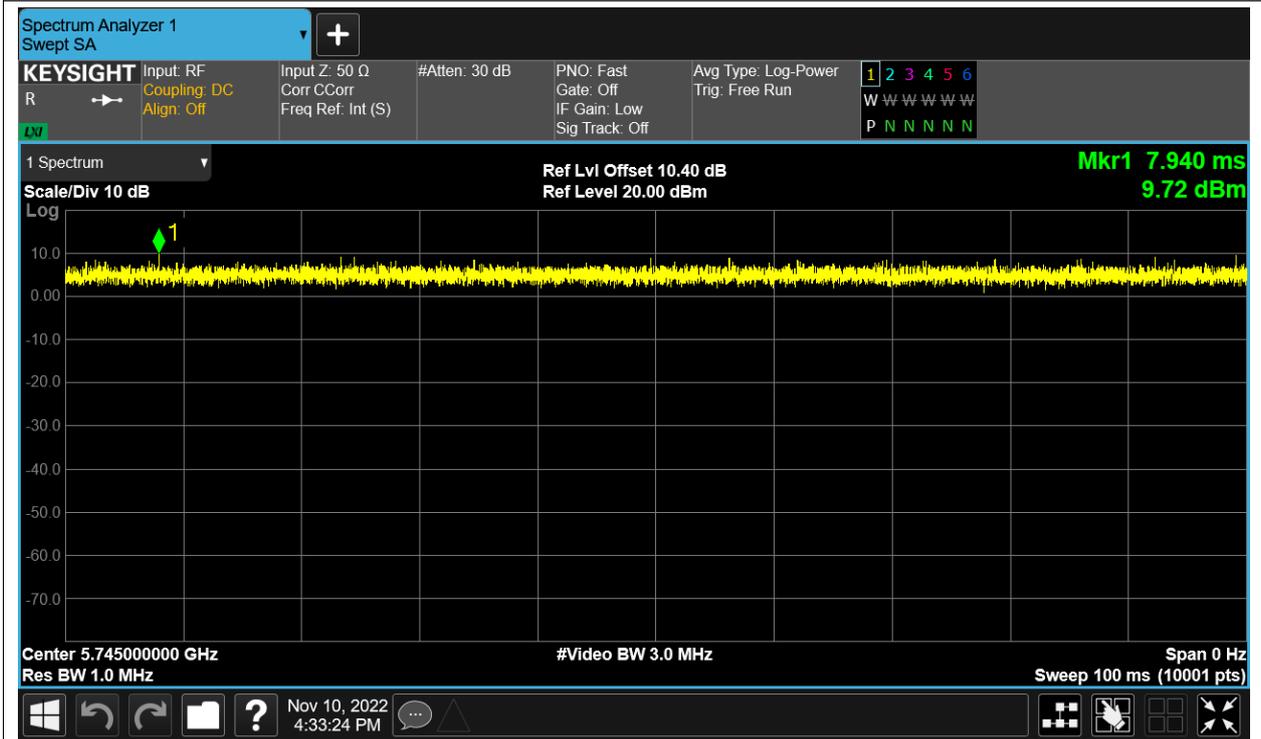
Duty Cycle NVNT a 5785MHz Ant1



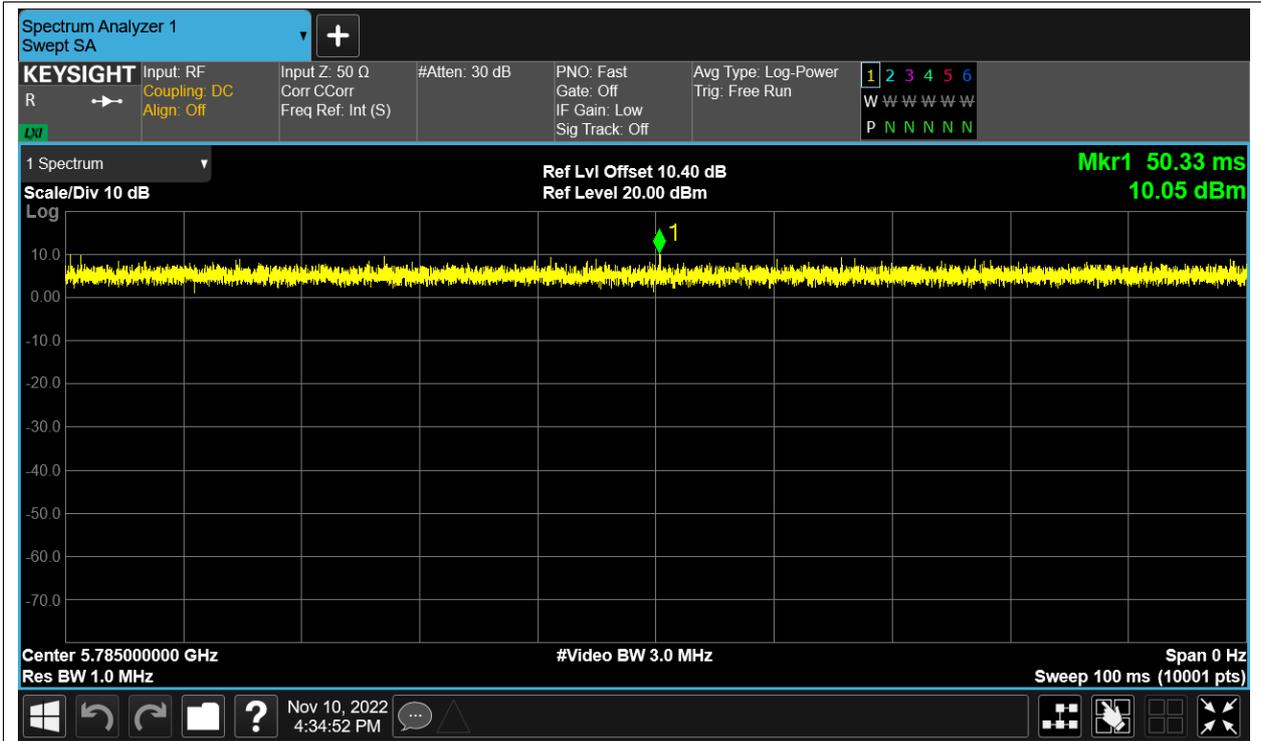
Duty Cycle NVNT a 5825MHz Ant1



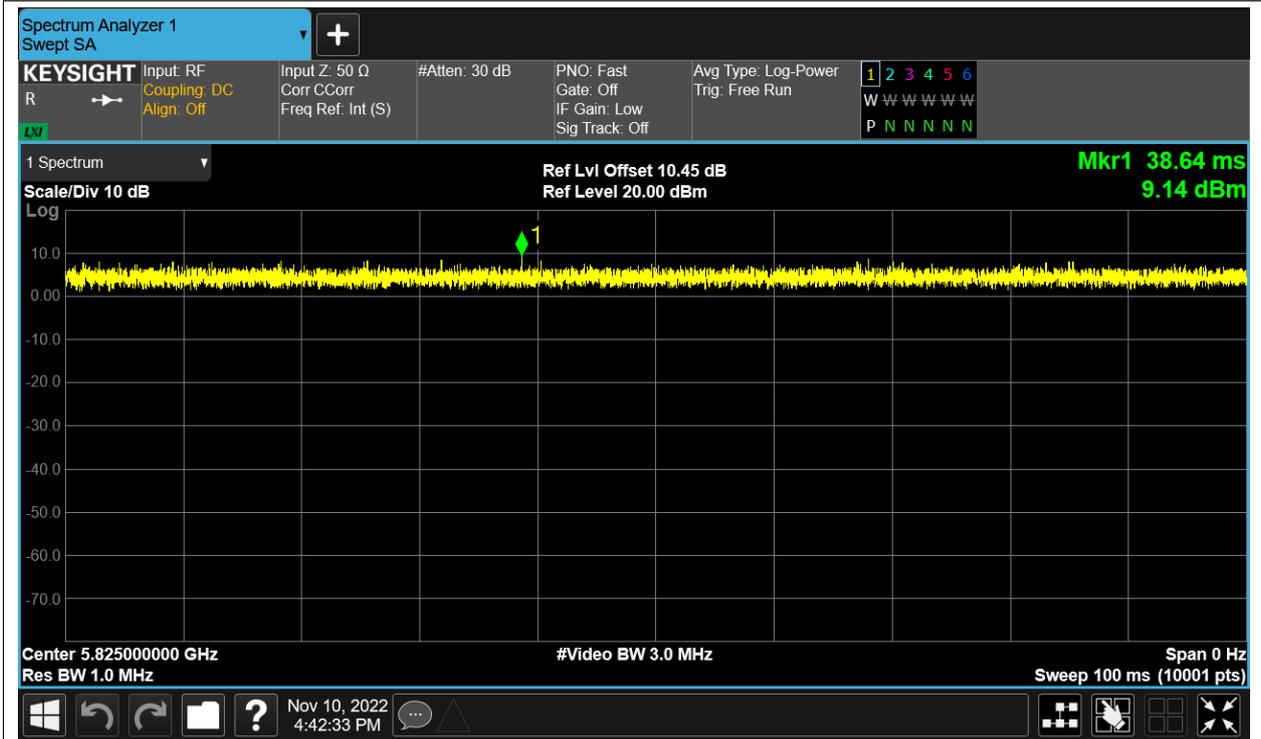
Duty Cycle NVNT ac20 5745MHz Ant1



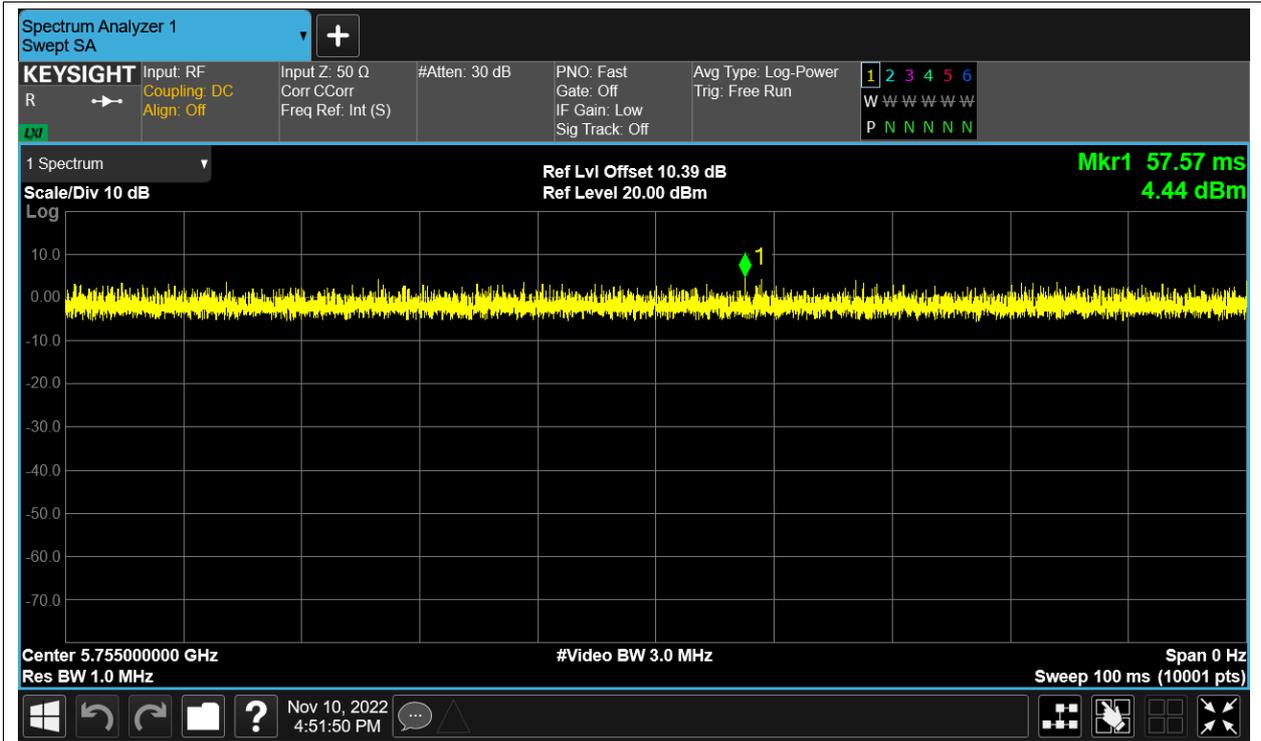
Duty Cycle NVNT ac20 5785MHz Ant1



Duty Cycle NVNT ac20 5825MHz Ant1



Duty Cycle NVNT ac40 5755MHz Ant1



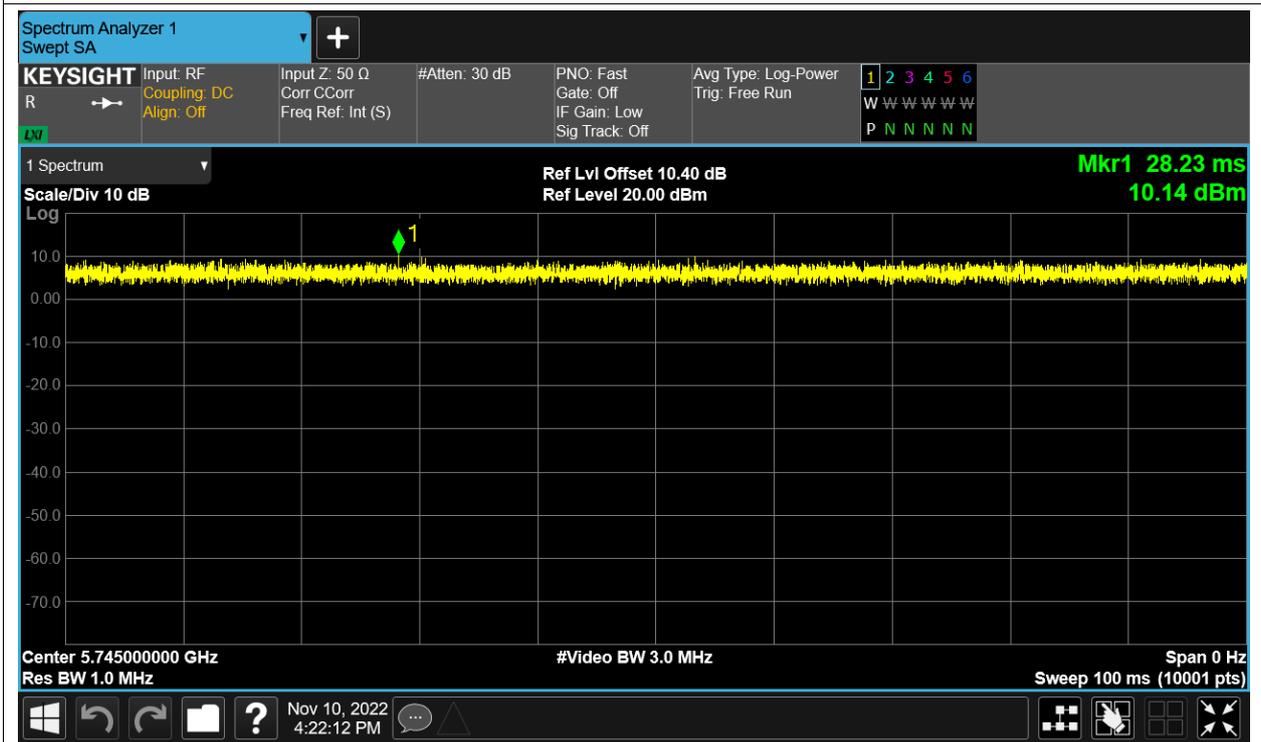
Duty Cycle NVNT ac40 5795MHz Ant1



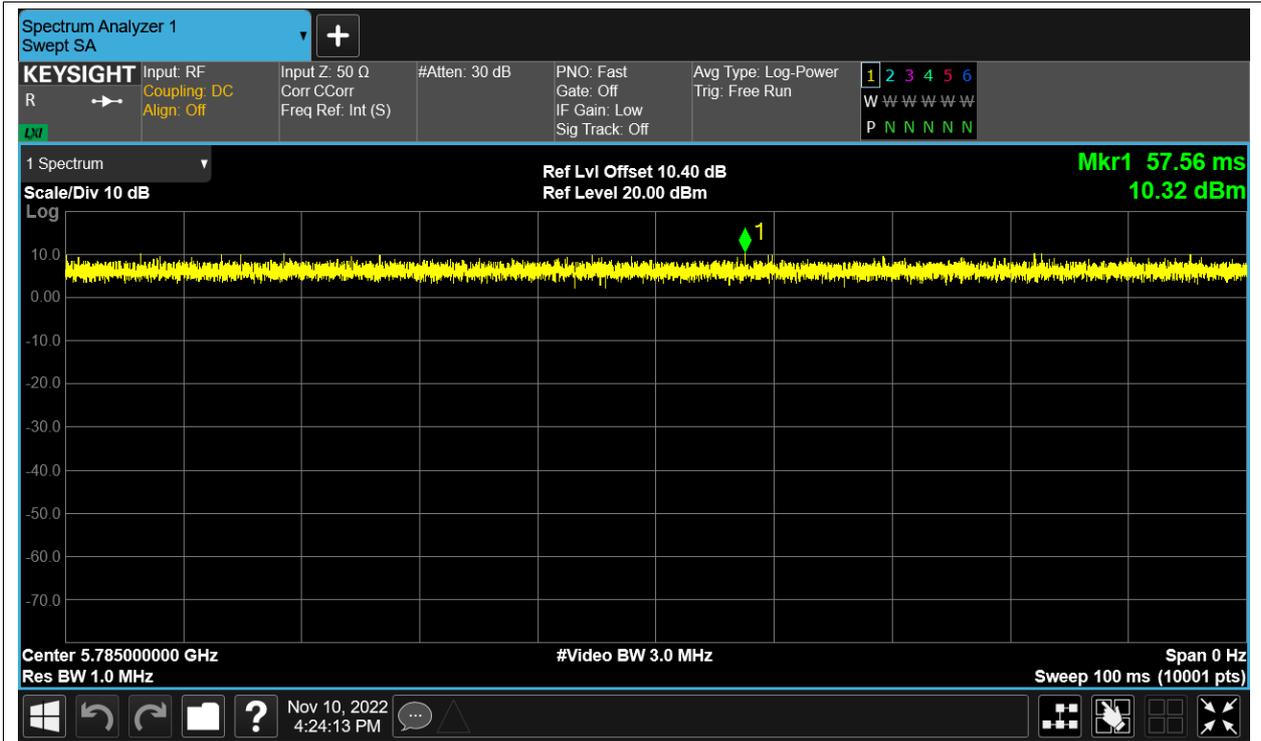
Duty Cycle NVNT ac80 5775MHz Ant1



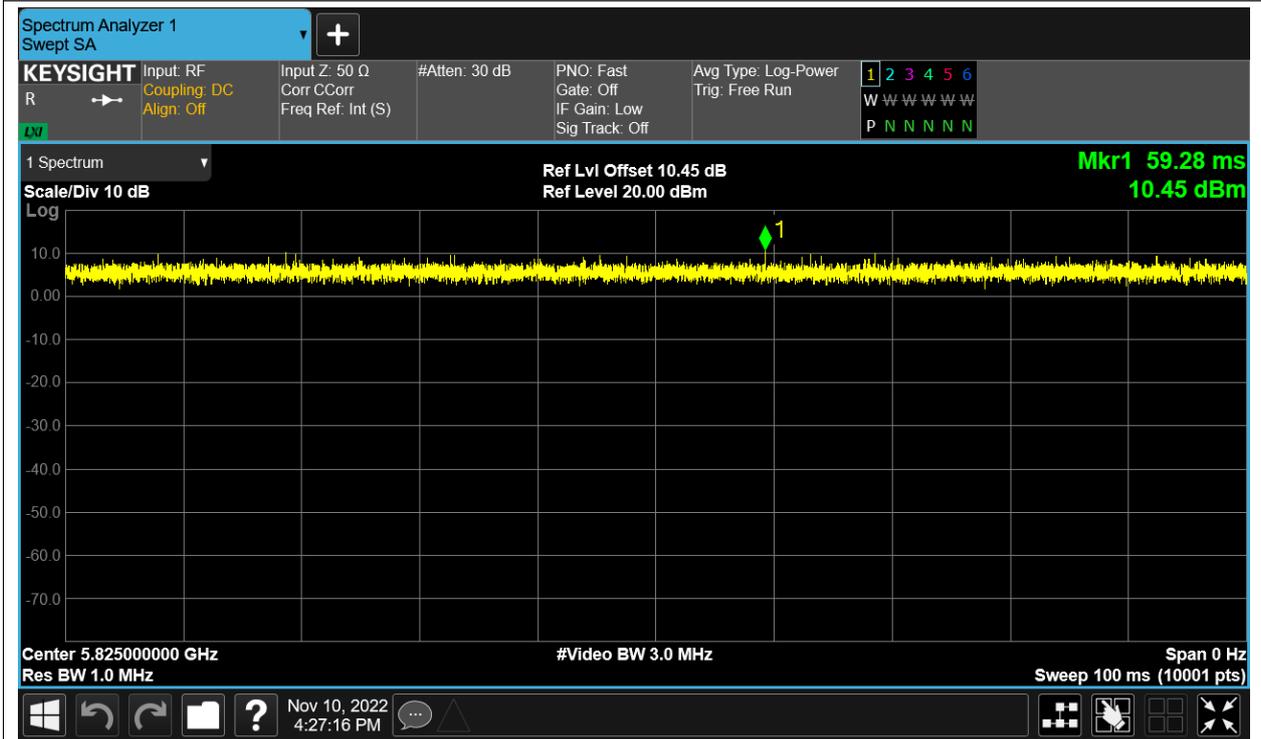
Duty Cycle NVNT n20 5745MHz Ant1



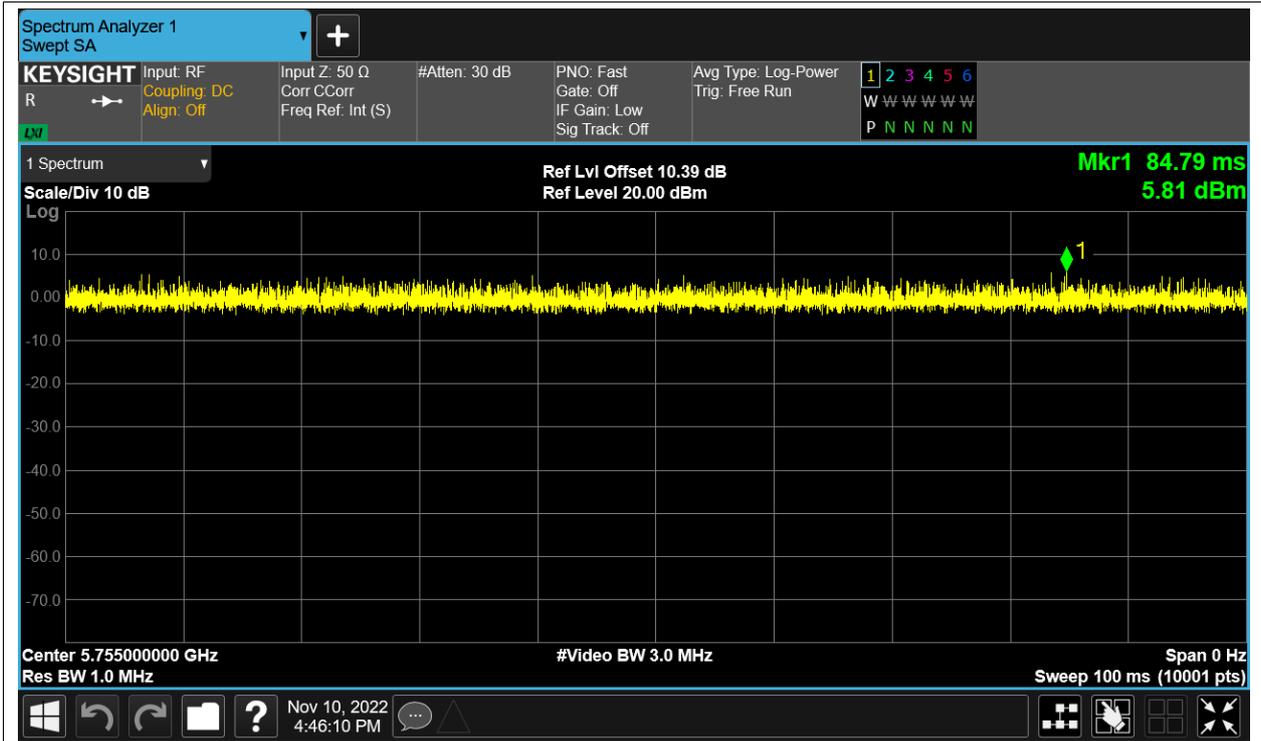
Duty Cycle NVNT n20 5785MHz Ant1



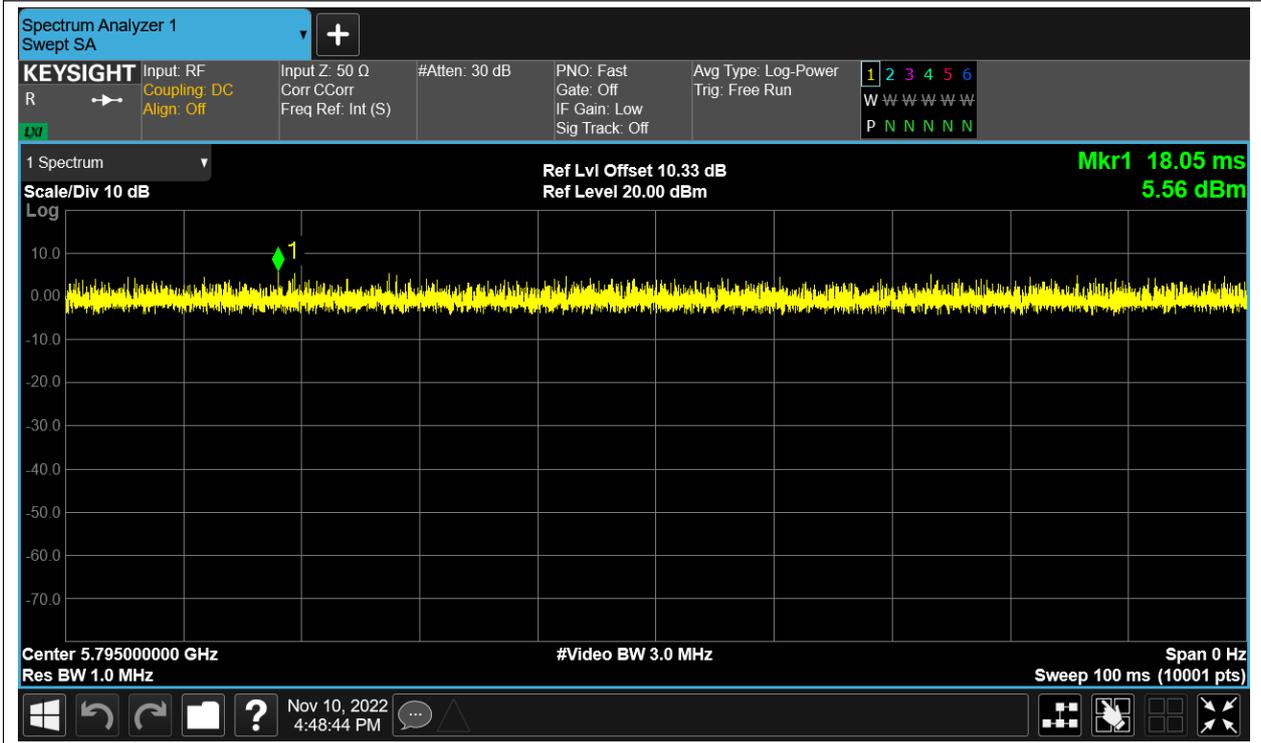
Duty Cycle NVNT n20 5825MHz Ant1



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	13.29	0	13.29	30	Pass
NVNT	a	5785	Ant1	13.76	0	13.76	30	Pass
NVNT	a	5825	Ant1	13.51	0	13.51	30	Pass
NVNT	ac20	5745	Ant1	12	0	12	30	Pass
NVNT	ac20	5785	Ant1	12.42	0	12.42	30	Pass
NVNT	ac20	5825	Ant1	12.03	0	12.03	30	Pass
NVNT	ac40	5755	Ant1	11.68	0	11.68	30	Pass
NVNT	ac40	5795	Ant1	12.22	0	12.22	30	Pass
NVNT	ac80	5775	Ant1	11.88	0	11.88	30	Pass
NVNT	n20	5745	Ant1	13.05	0	13.05	30	Pass
NVNT	n20	5785	Ant1	13.47	0	13.47	30	Pass
NVNT	n20	5825	Ant1	13.12	0	13.12	30	Pass
NVNT	n40	5755	Ant1	12.96	0	12.96	30	Pass
NVNT	n40	5795	Ant1	13.13	0	13.13	30	Pass

-6dB Bandwidth

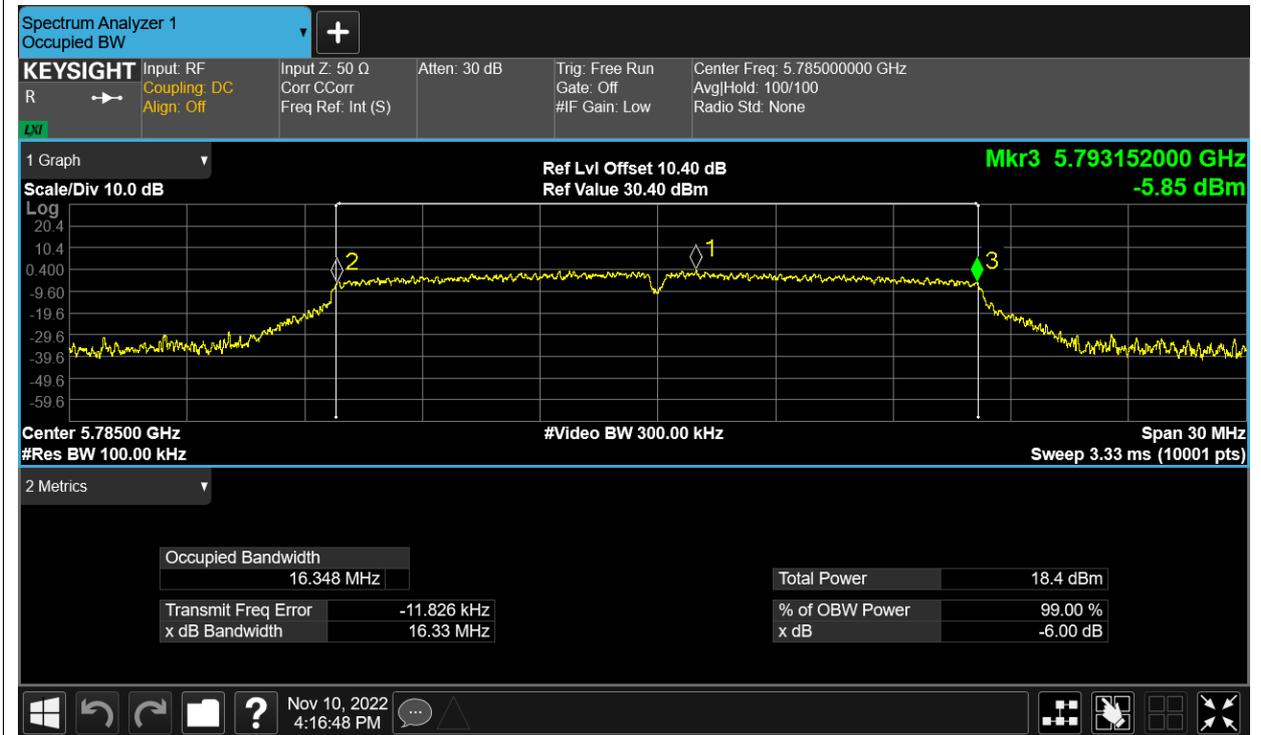
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	a	5745	Ant1	16.348	0.5	Pass
NVNT	a	5785	Ant1	16.328	0.5	Pass
NVNT	a	5825	Ant1	16.332	0.5	Pass
NVNT	ac20	5745	Ant1	17.57	0.5	Pass
NVNT	ac20	5785	Ant1	17.576	0.5	Pass
NVNT	ac20	5825	Ant1	17.563	0.5	Pass
NVNT	ac40	5755	Ant1	36.083	0.5	Pass
NVNT	ac40	5795	Ant1	36.303	0.5	Pass
NVNT	ac80	5775	Ant1	75.735	0.5	Pass
NVNT	n20	5745	Ant1	17.556	0.5	Pass
NVNT	n20	5785	Ant1	17.562	0.5	Pass
NVNT	n20	5825	Ant1	17.579	0.5	Pass
NVNT	n40	5755	Ant1	36.031	0.5	Pass
NVNT	n40	5795	Ant1	36.287	0.5	Pass

Test Graphs

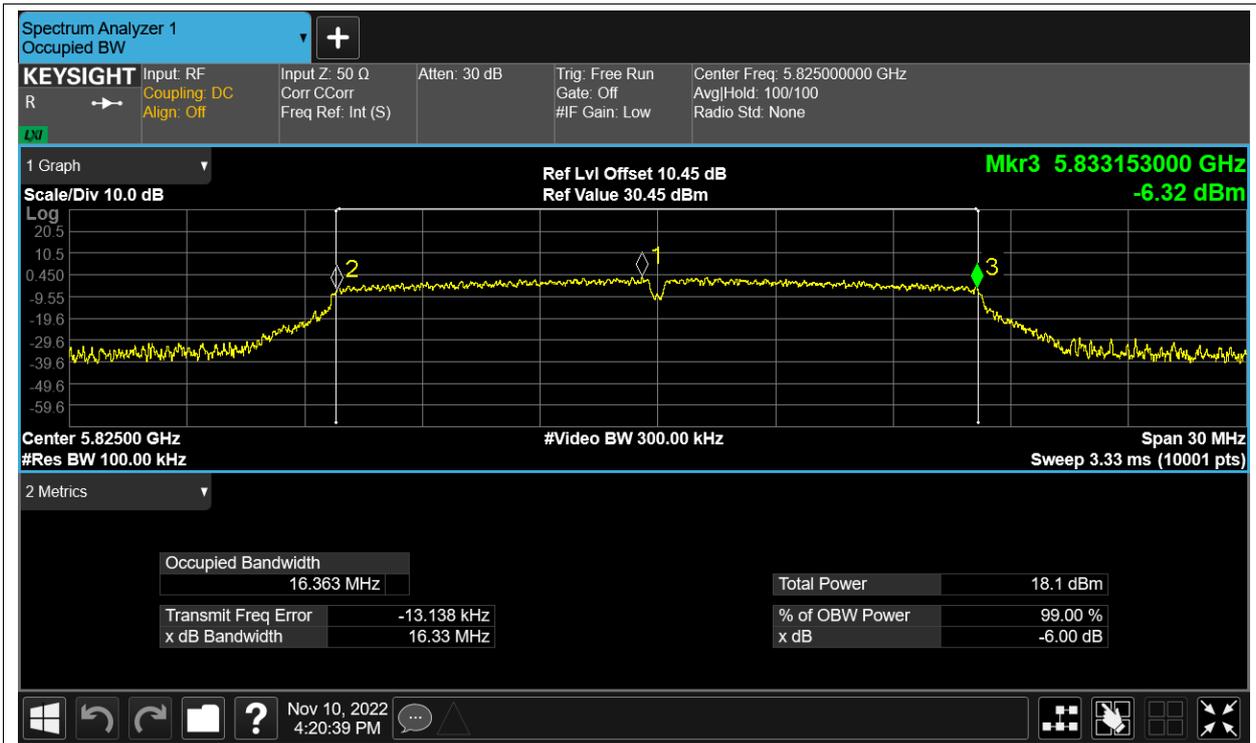
-6dB Bandwidth NVNT a 5745MHz Ant1



-6dB Bandwidth NVNT a 5785MHz Ant1



-6dB Bandwidth NVNT a 5825MHz Ant1



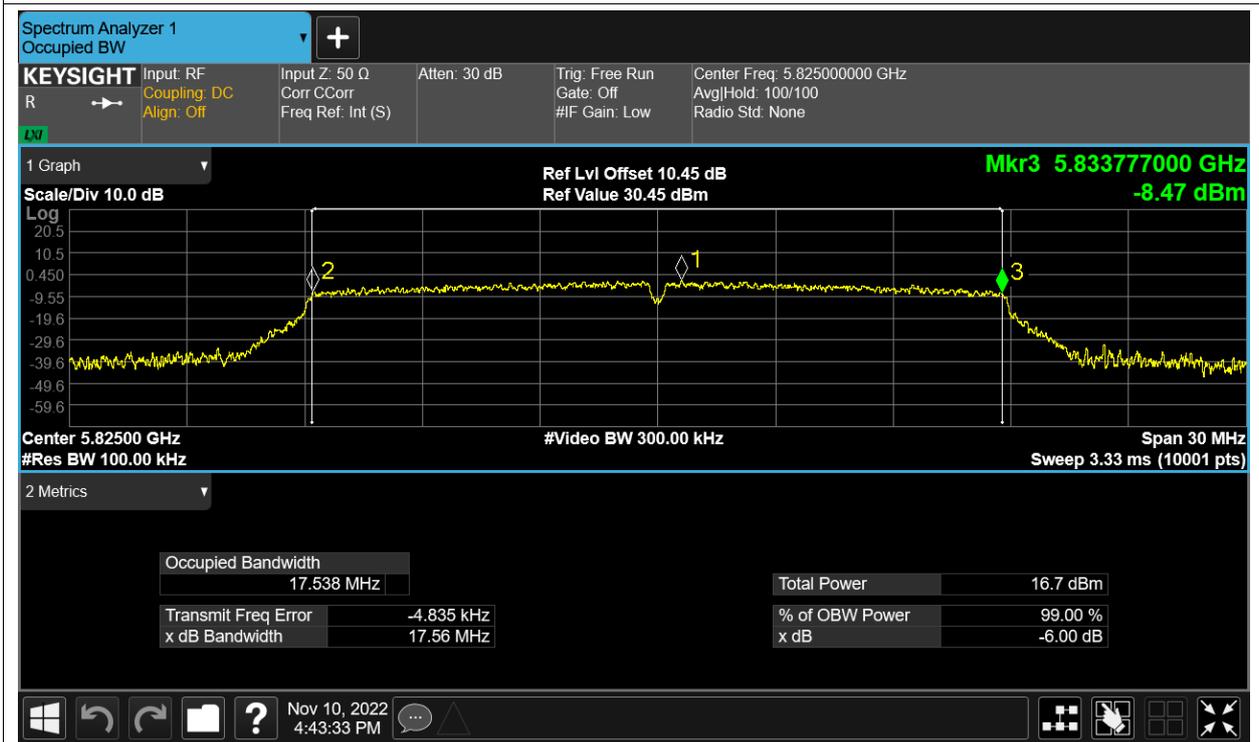
-6dB Bandwidth NVNT ac20 5745MHz Ant1



-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



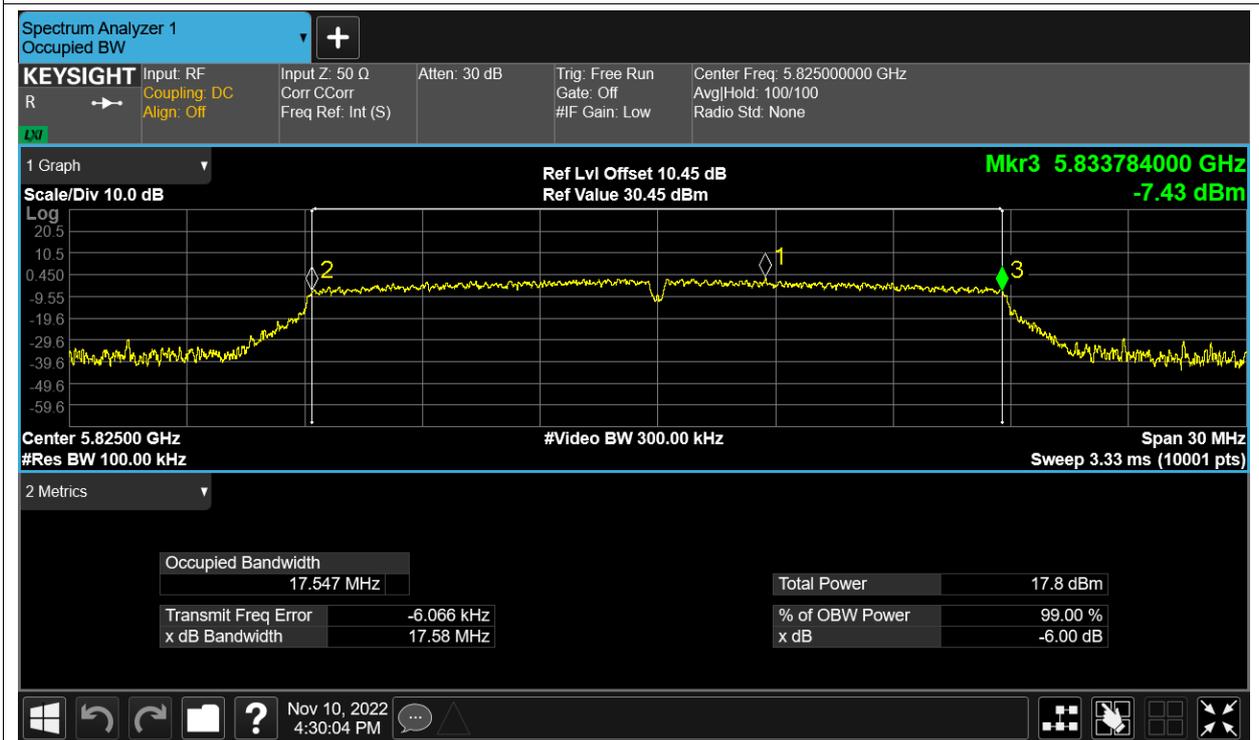
-6dB Bandwidth NVNT n20 5745MHz Ant1



-6dB Bandwidth NVNT n20 5785MHz Ant1



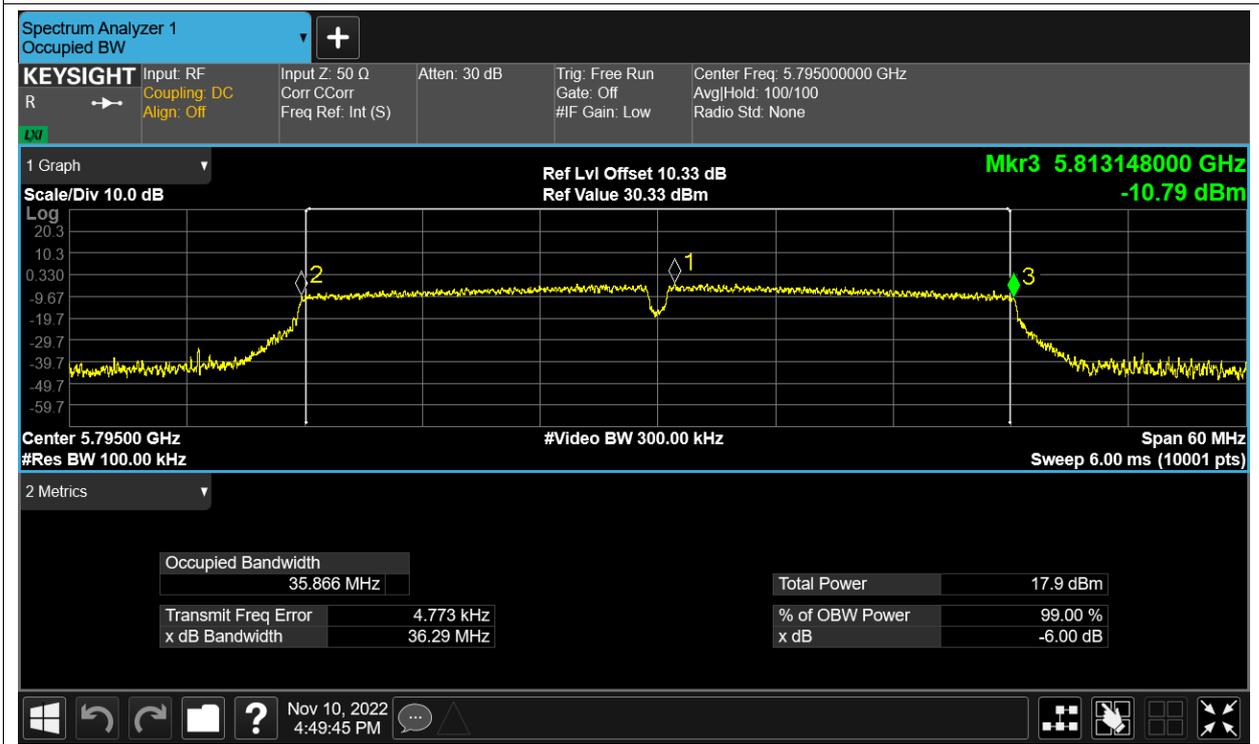
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

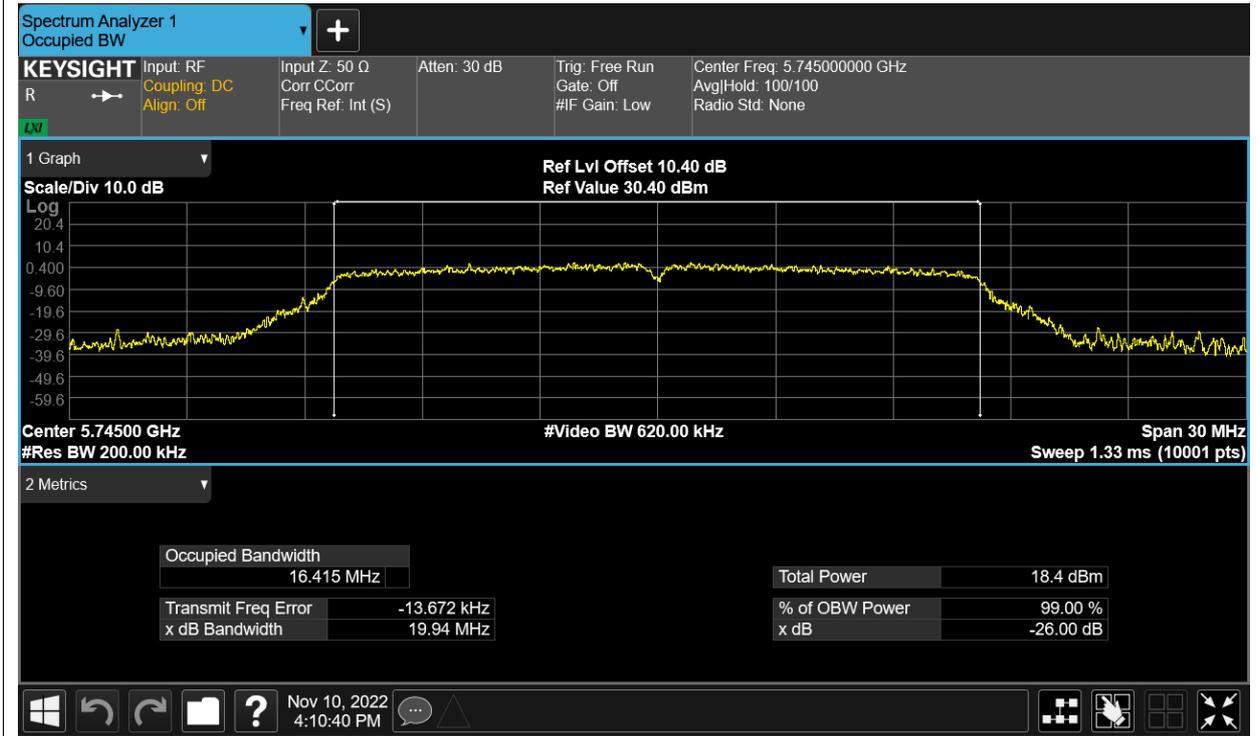


Occupied Channel Bandwidth

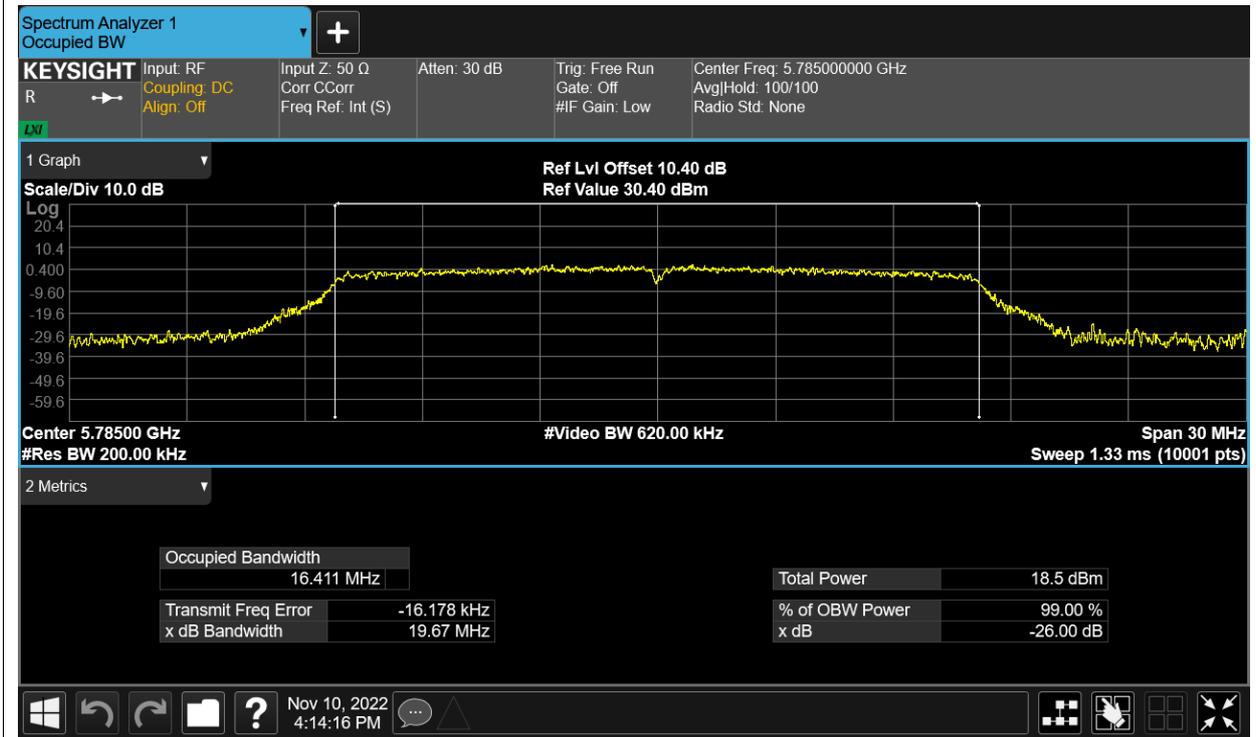
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.415
NVNT	a	5785	Ant1	16.411
NVNT	a	5825	Ant1	16.445
NVNT	ac20	5745	Ant1	17.558
NVNT	ac20	5785	Ant1	17.582
NVNT	ac20	5825	Ant1	17.571
NVNT	ac40	5755	Ant1	35.92
NVNT	ac40	5795	Ant1	35.962
NVNT	ac80	5775	Ant1	75.12
NVNT	n20	5745	Ant1	17.571
NVNT	n20	5785	Ant1	17.56
NVNT	n20	5825	Ant1	17.582
NVNT	n40	5755	Ant1	35.953
NVNT	n40	5795	Ant1	35.922

Test Graphs

OBW NVNT a 5745MHz Ant1



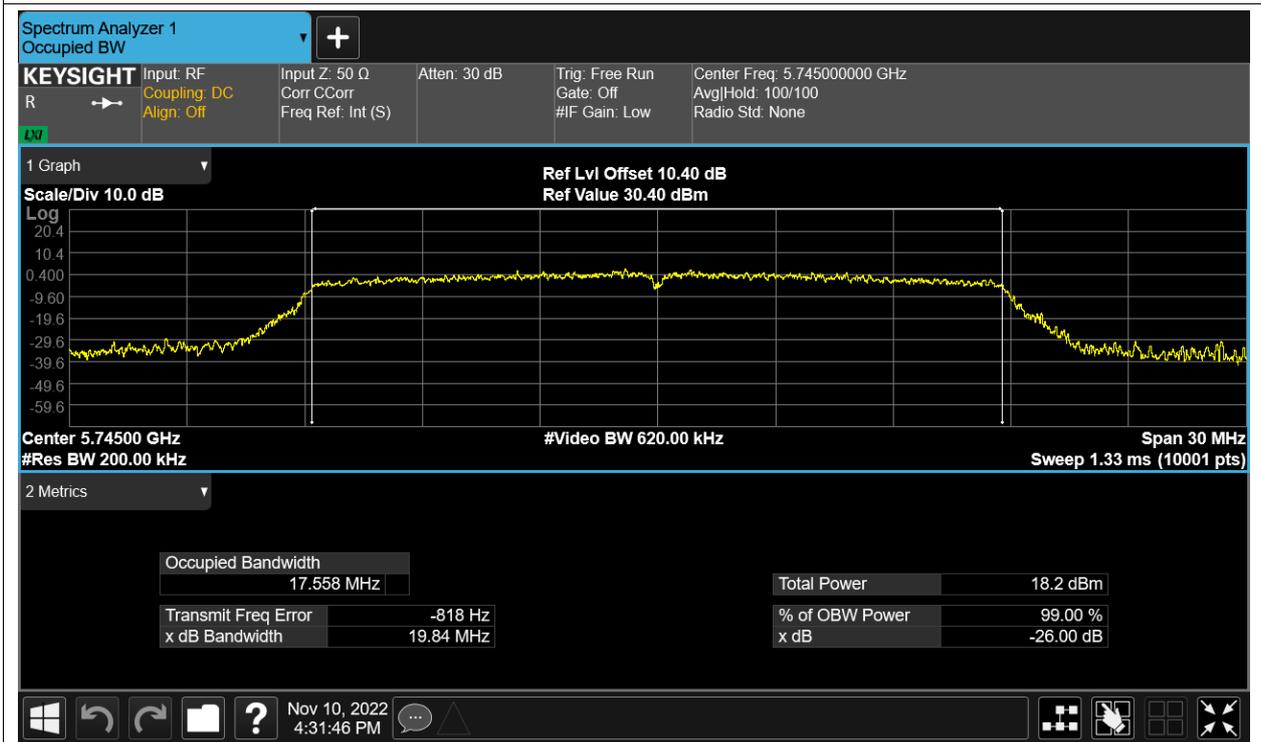
OBW NVNT a 5785MHz Ant1



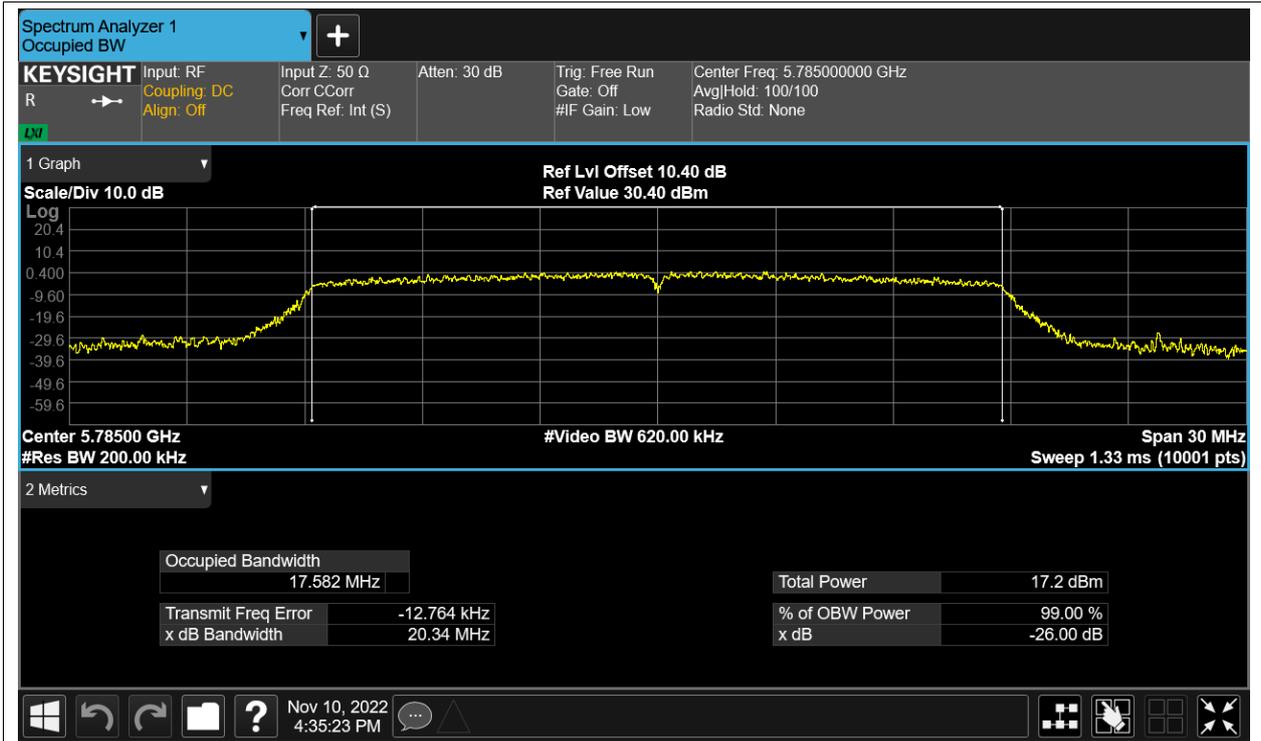
OBW NVNT a 5825MHz Ant1



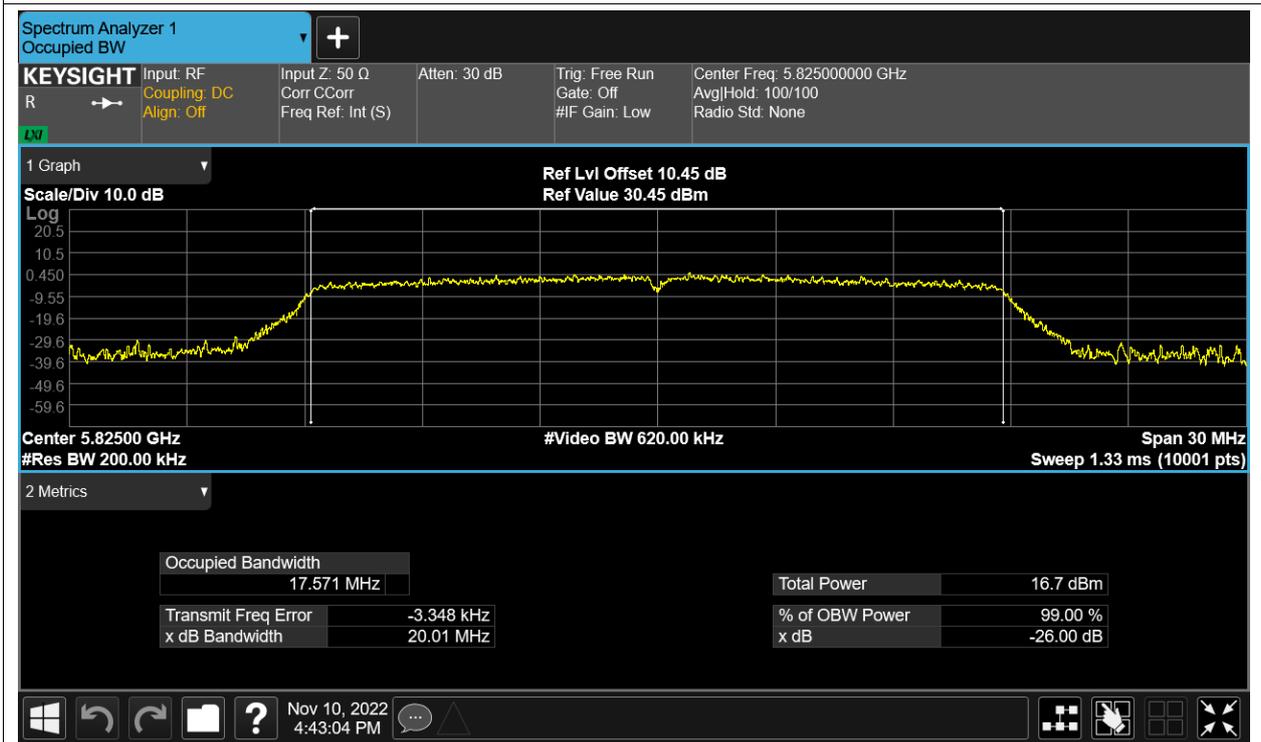
OBW NVNT ac20 5745MHz Ant1



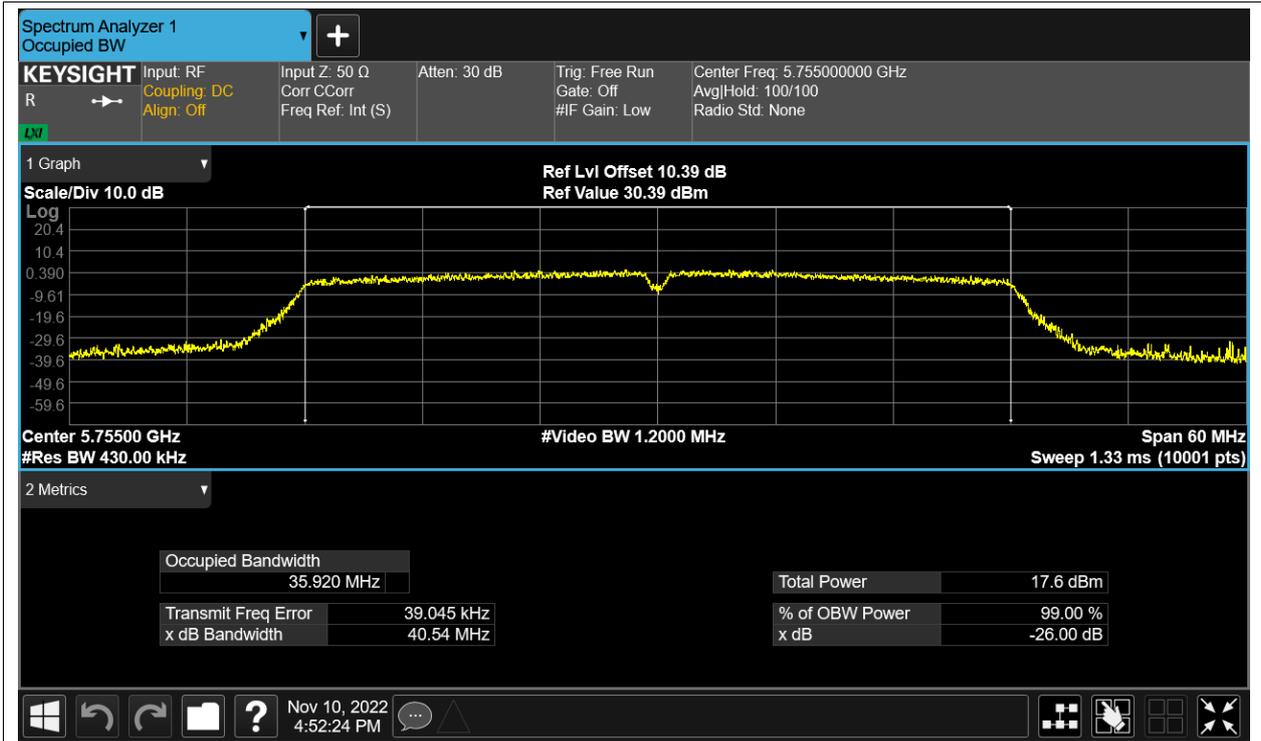
OBW NVNT ac20 5785MHz Ant1



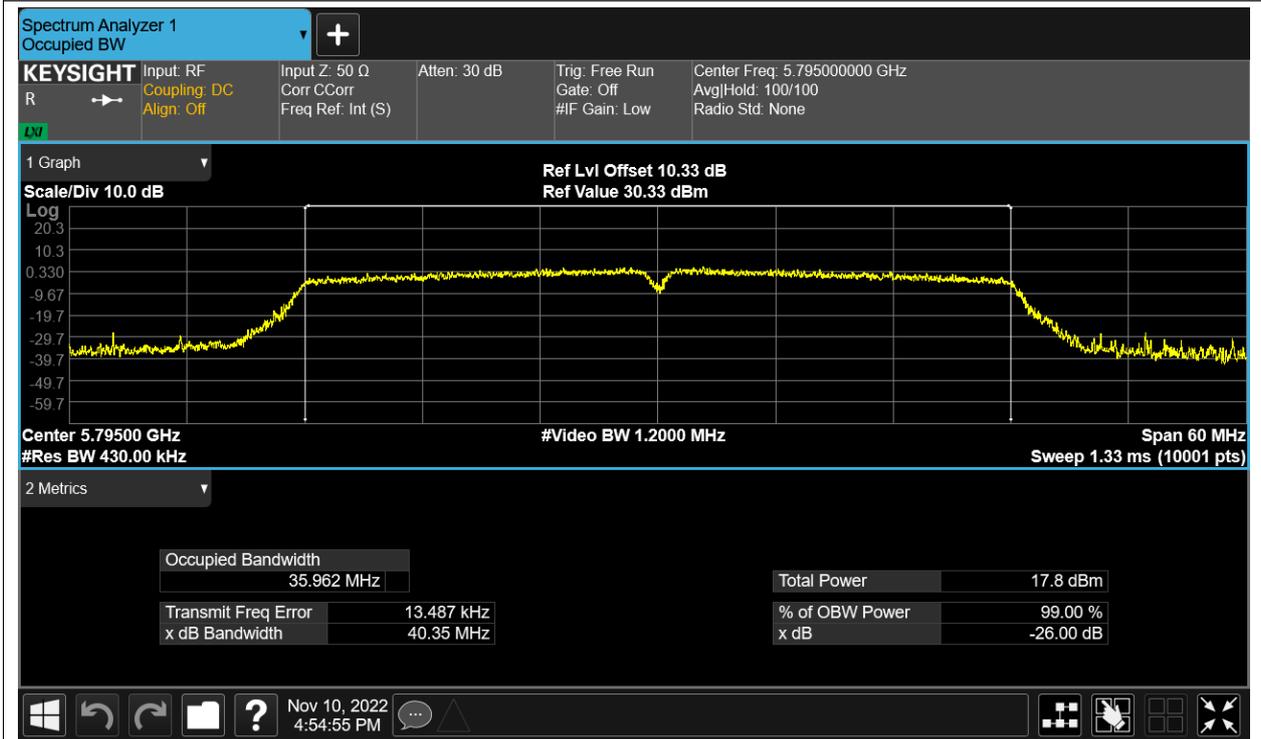
OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1



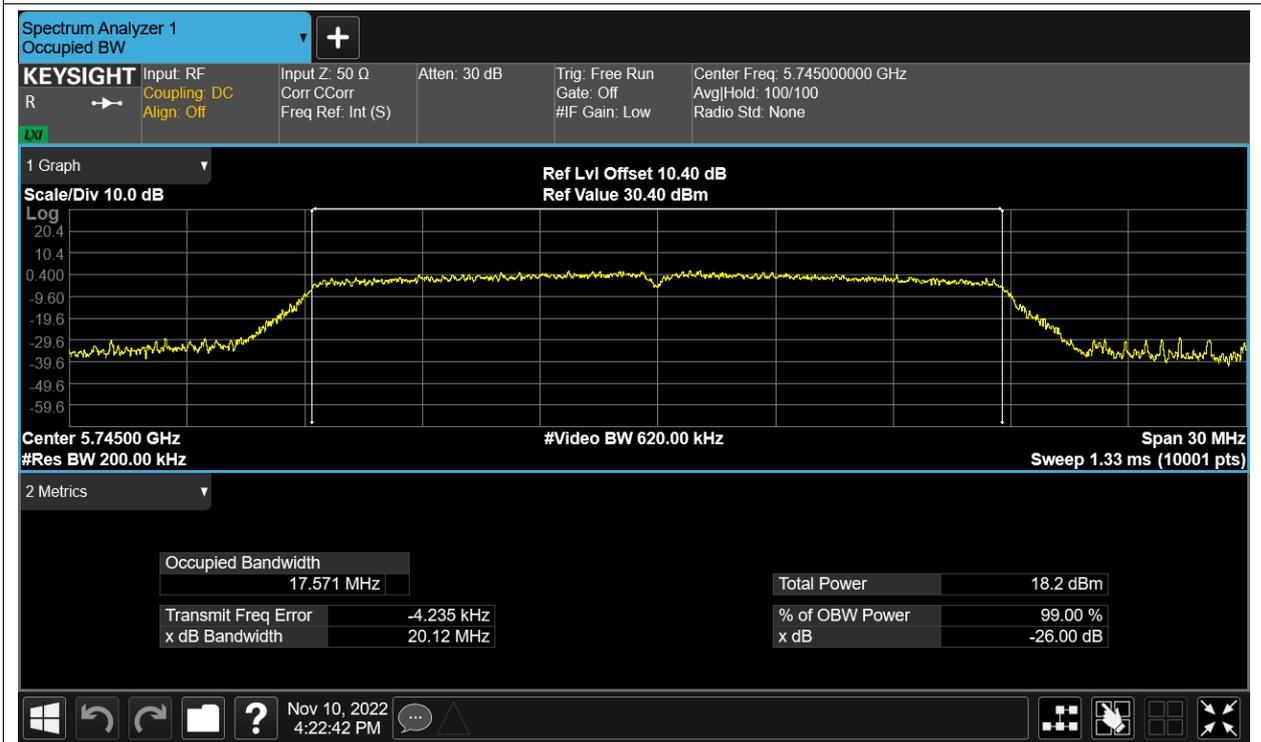
OBW NVNT ac40 5795MHz Ant1



OBW NVNT ac80 5775MHz Ant1



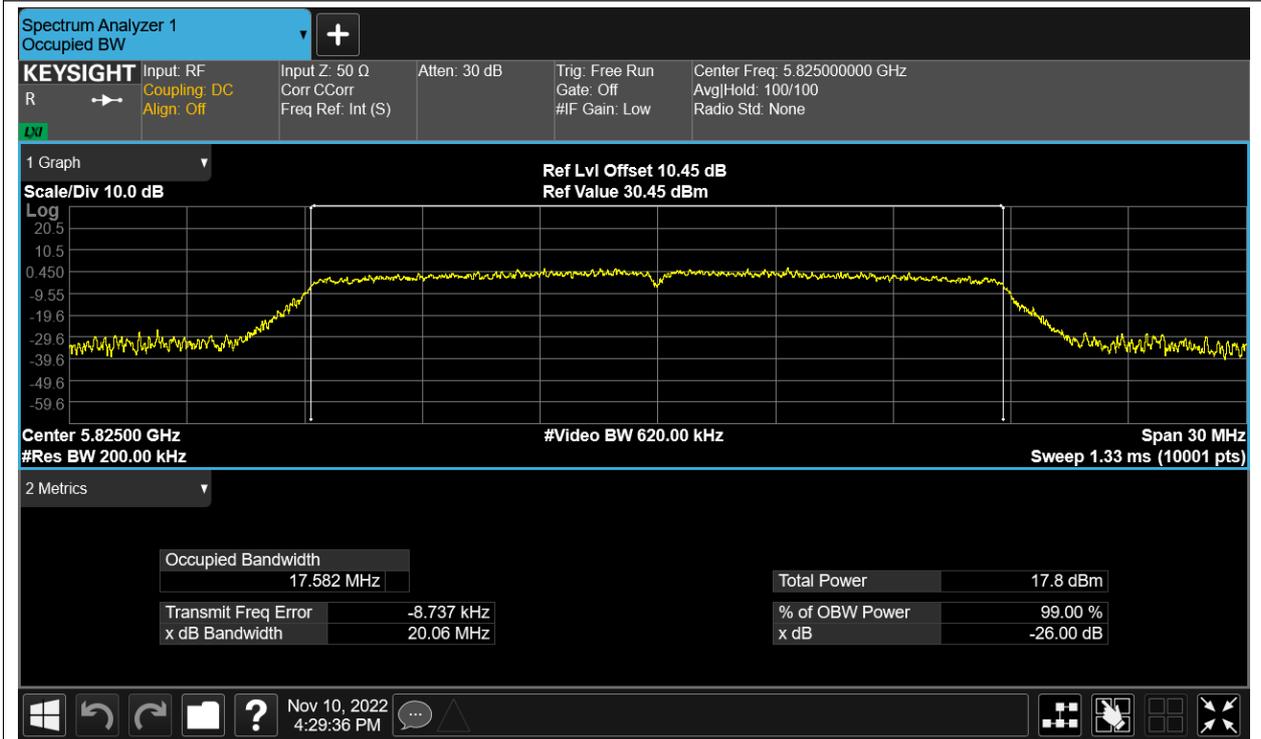
OBW NVNT n20 5745MHz Ant1



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)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	0.013	30	Pass
NVNT	a	5785	Ant1	0.263	30	Pass
NVNT	a	5825	Ant1	0.03	30	Pass
NVNT	ac20	5745	Ant1	-1.242	30	Pass
NVNT	ac20	5785	Ant1	-1.456	30	Pass
NVNT	ac20	5825	Ant1	-1.821	30	Pass
NVNT	ac40	5755	Ant1	-4.233	30	Pass
NVNT	ac40	5795	Ant1	-3.95	30	Pass
NVNT	ac80	5775	Ant1	-7.043	30	Pass
NVNT	n20	5745	Ant1	-0.154	30	Pass
NVNT	n20	5785	Ant1	-0.517	30	Pass
NVNT	n20	5825	Ant1	-0.869	30	Pass
NVNT	n40	5755	Ant1	-2.958	30	Pass
NVNT	n40	5795	Ant1	-2.966	30	Pass

Test Graphs

PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



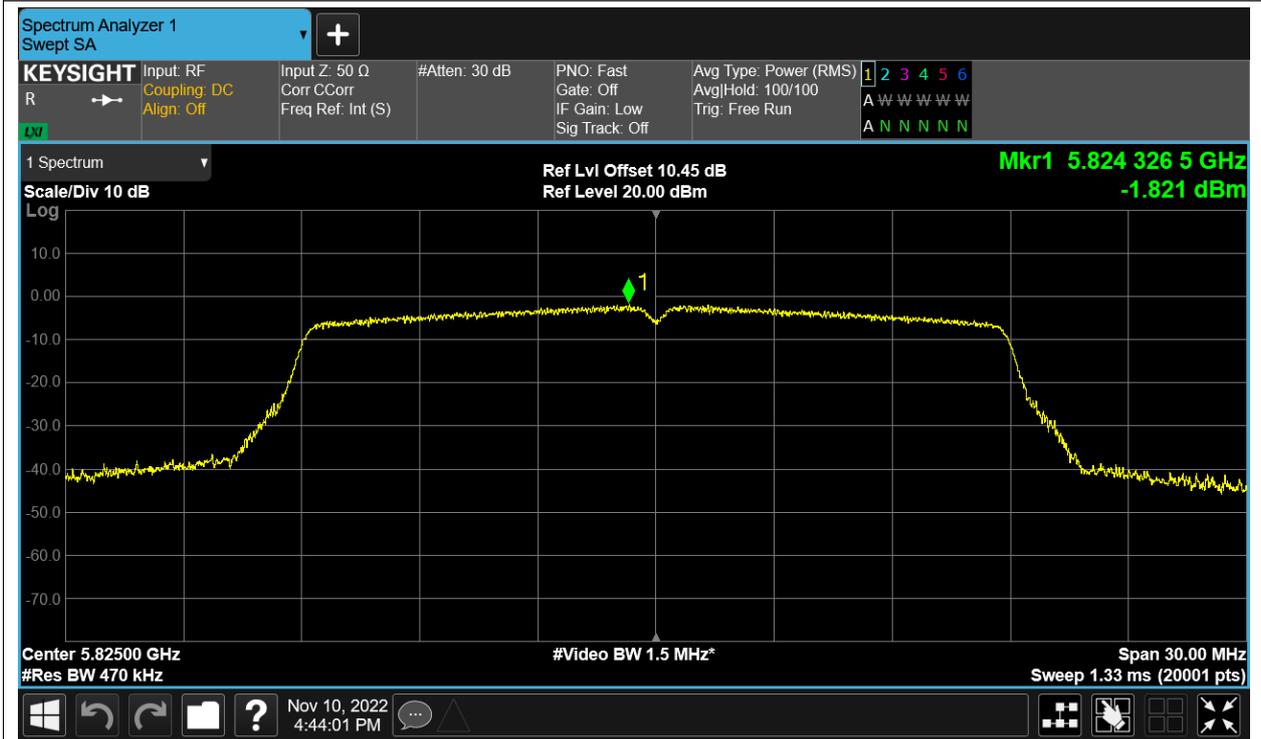
PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



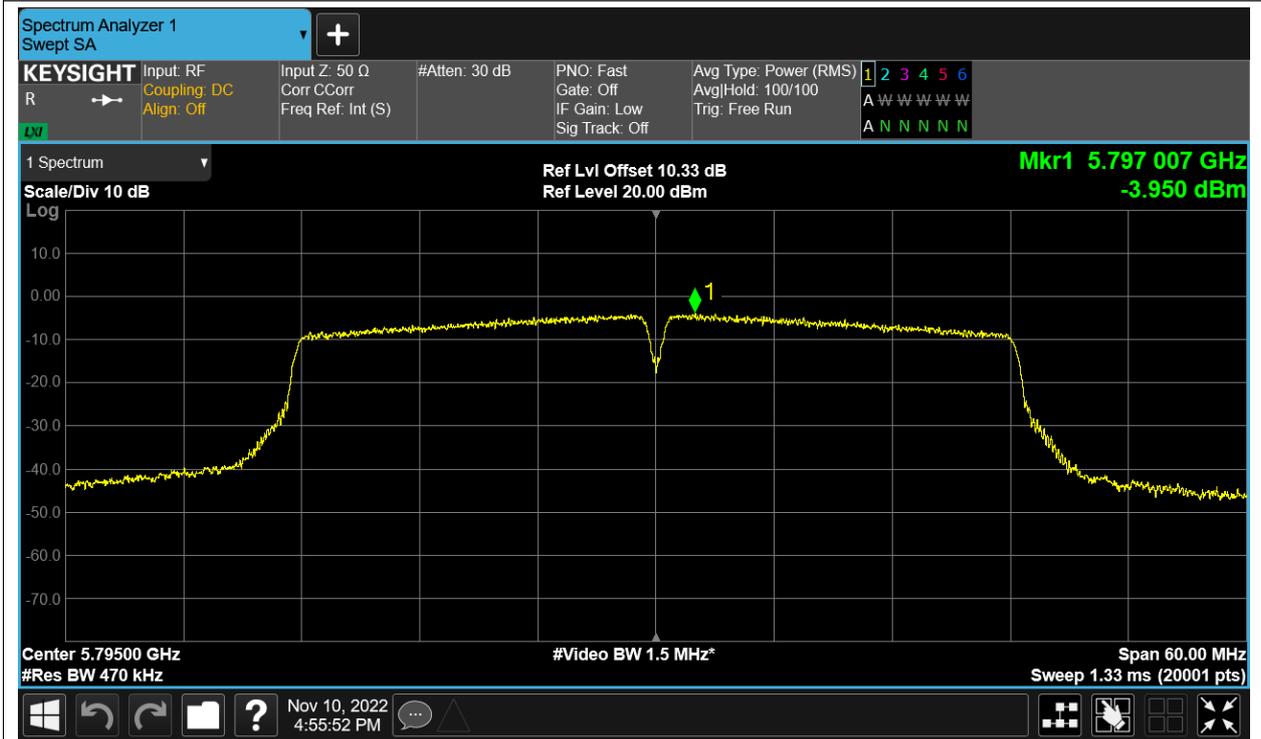
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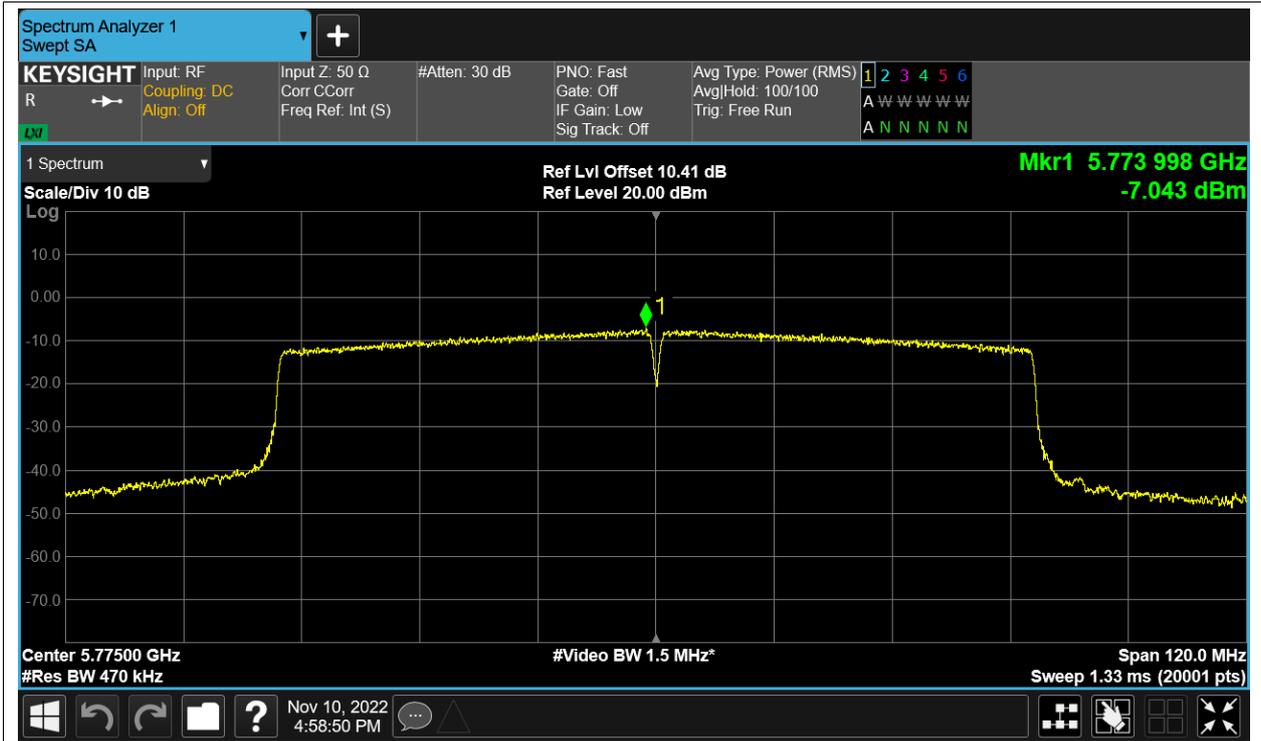
PSD NVNT ac40 5755MHz Ant1



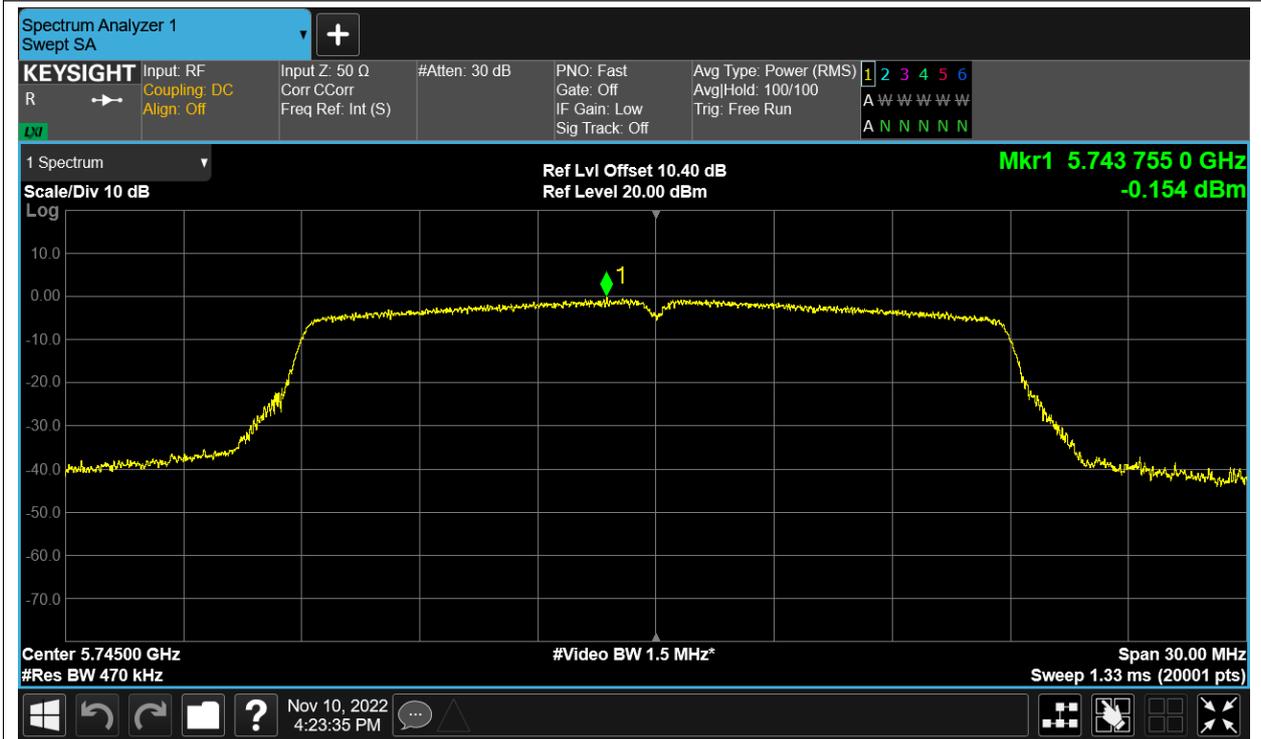
PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1



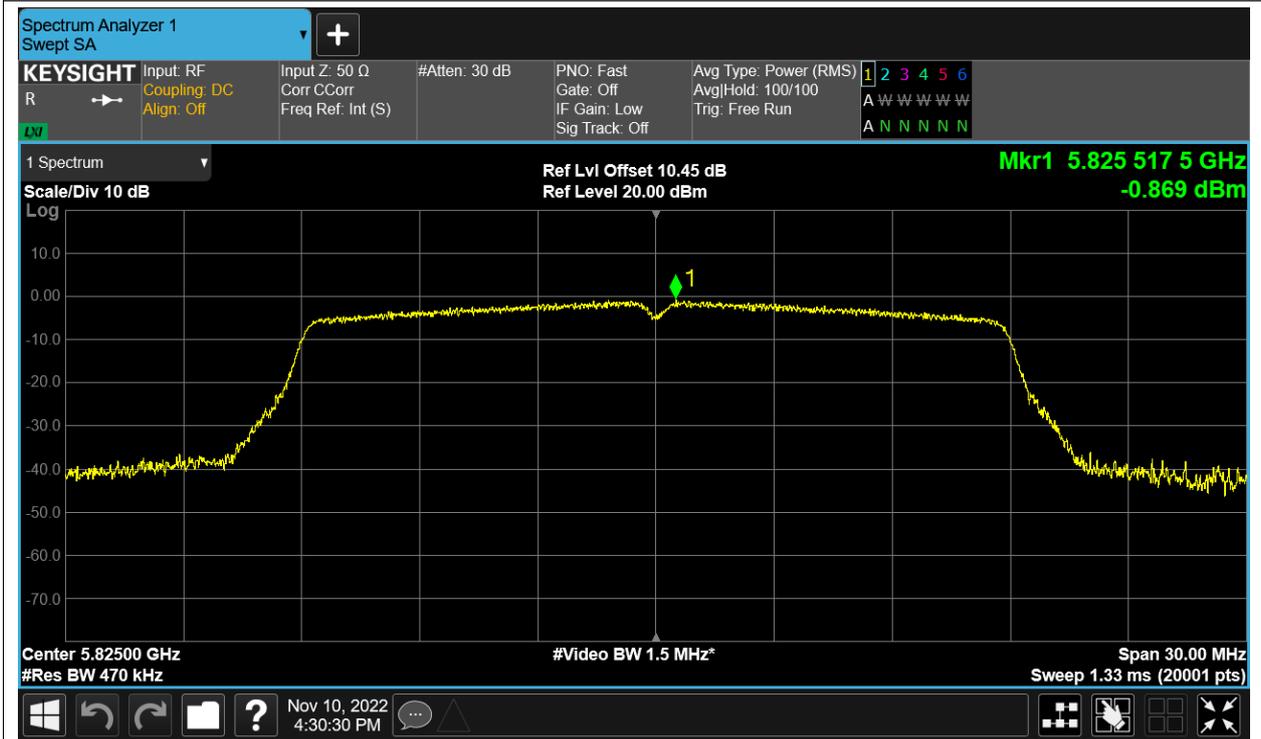
PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

