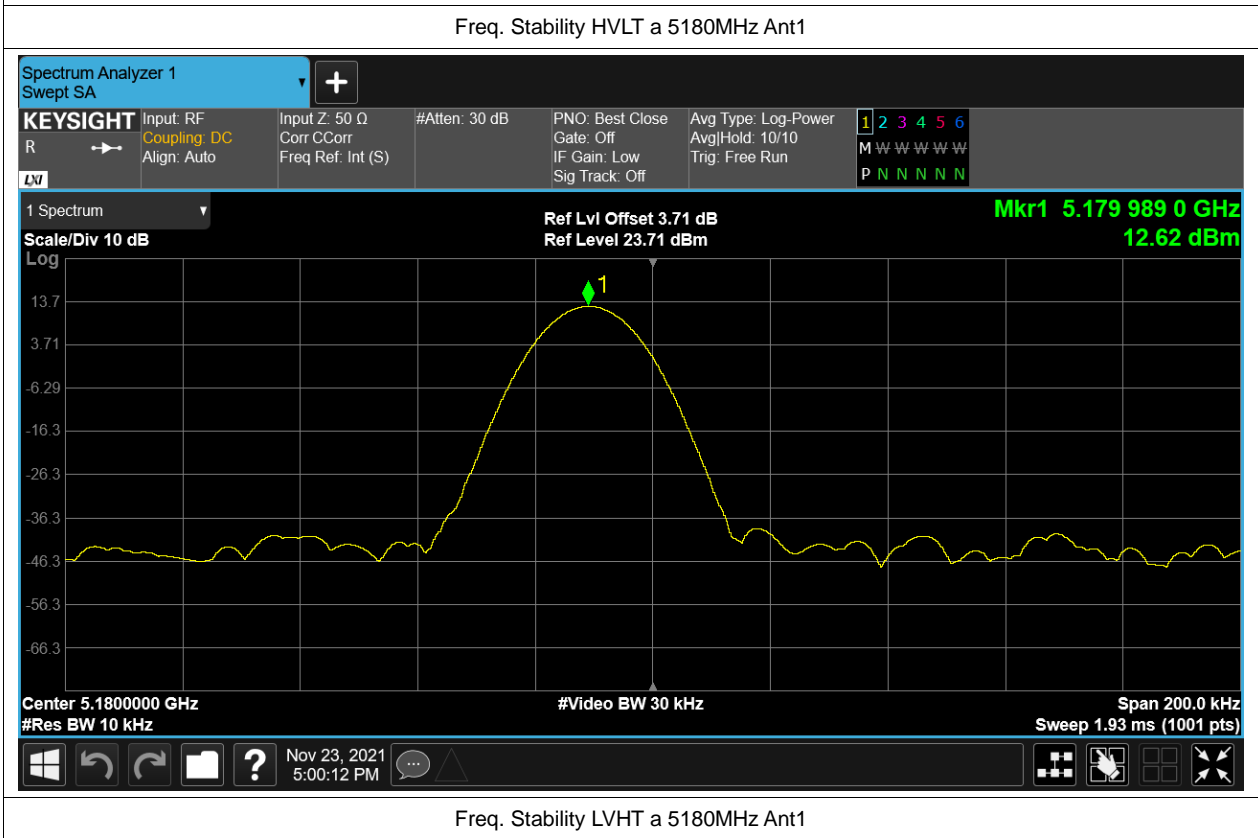
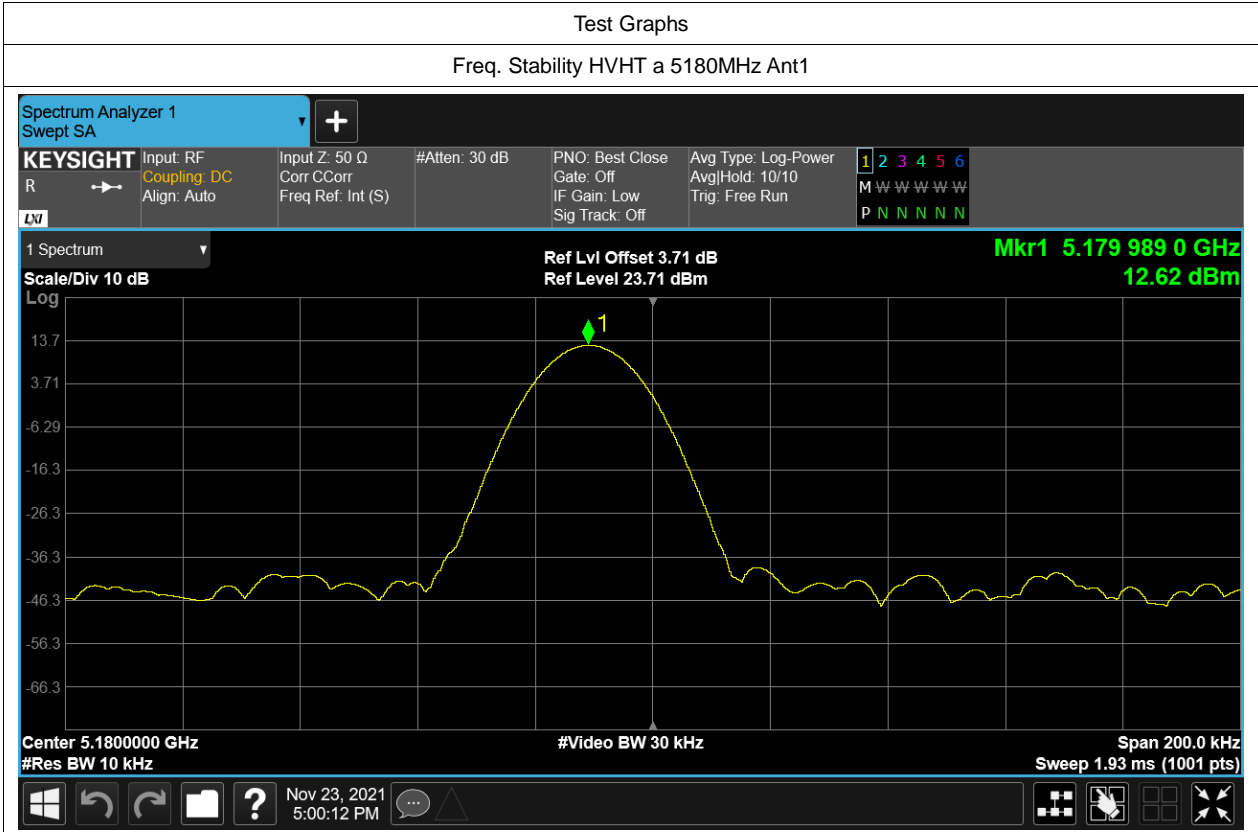


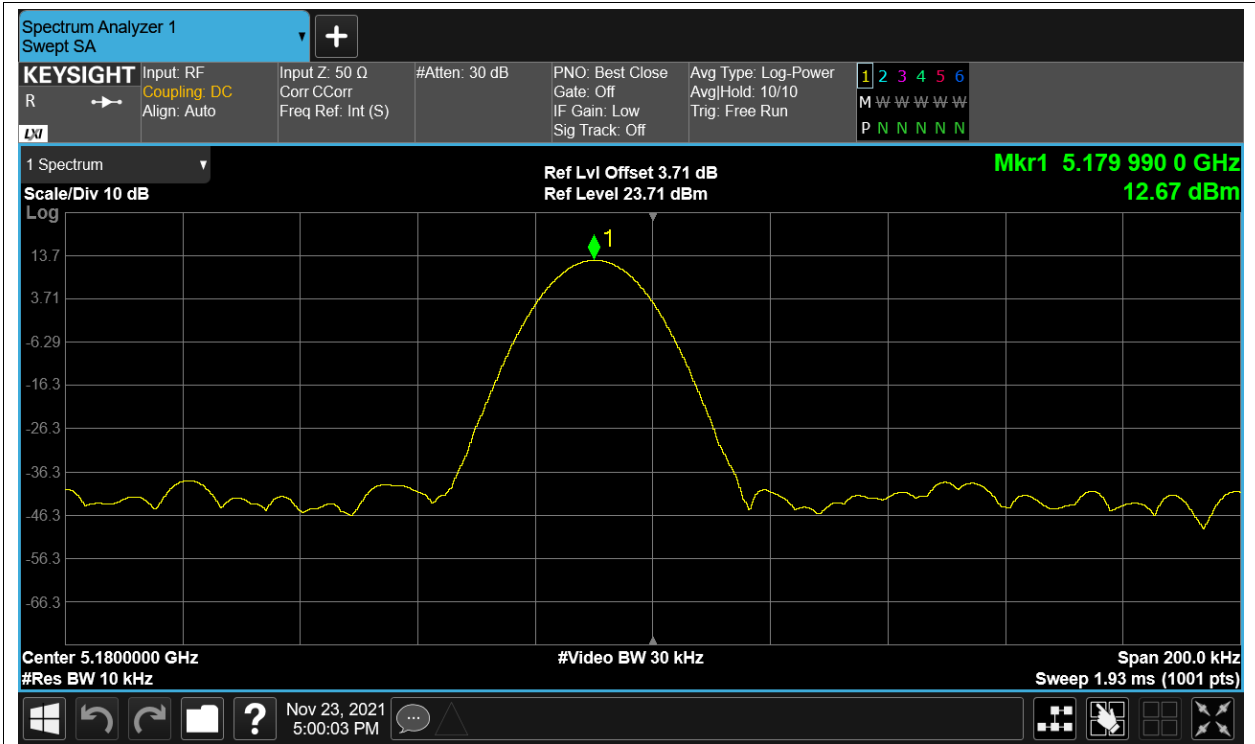
Test Data

Frequency Stability

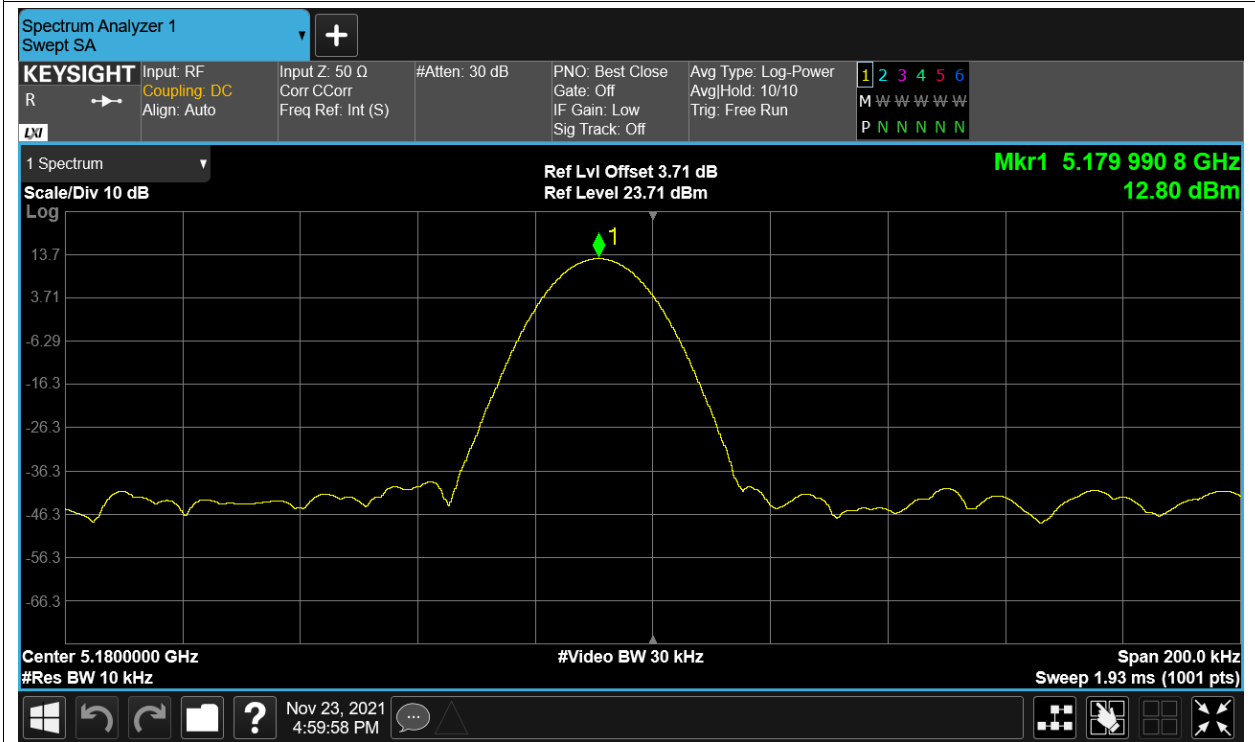
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	a	5180	Ant1	5179.989	-2.12	25	Pass
HVLT	a	5180	Ant1	5179.989	-2.12	25	Pass
LVHT	a	5180	Ant1	5179.99	-1.93	25	Pass
LVLT	a	5180	Ant1	5179.9908	-1.78	25	Pass
NVNT	a	5180	Ant1	5179.9916	-1.62	25	Pass
HVHT	ac80	5210	Ant1	5209.9876	-2.38	25	Pass
HVLT	ac80	5210	Ant1	5209.9876	-2.38	25	Pass
LVHT	ac80	5210	Ant1	5209.9886	-2.19	25	Pass
LVLT	ac80	5210	Ant1	5209.9892	-2.07	25	Pass
NVNT	ac80	5210	Ant1	5209.9898	-1.96	25	Pass
HVHT	n40	5190	Ant1	5189.9882	-2.27	25	Pass
HVLT	n40	5190	Ant1	5189.9882	-2.27	25	Pass
LVHT	n40	5190	Ant1	5189.9892	-2.08	25	Pass
LVLT	n40	5190	Ant1	5189.9898	-1.97	25	Pass
NVNT	n40	5190	Ant1	5189.9906	-1.81	25	Pass

Remark: "NTNV" means Normal Temperature Normal Voltage, "LTLV" means Low Temperature Low Voltage, "LTHV" means Low Temperature High Voltage, "HTLV" means High Temperature Low Voltage, "HTHV" means High Temperature High Voltage.

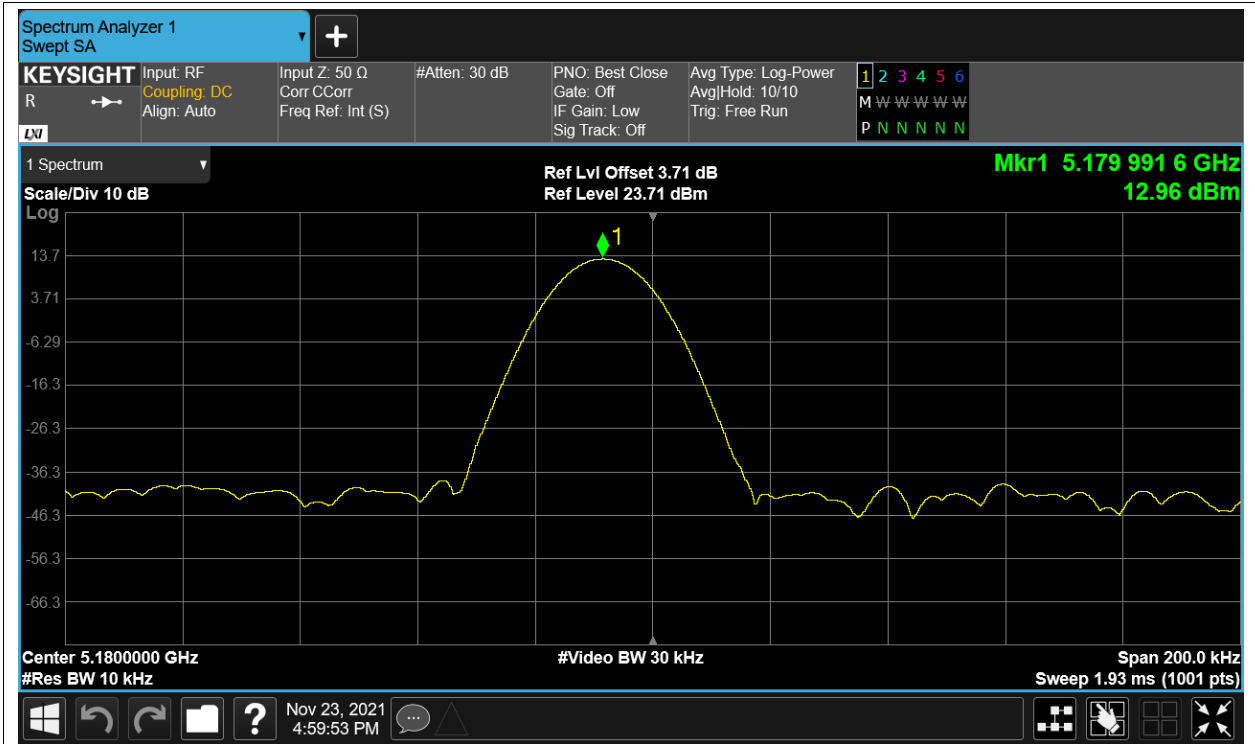




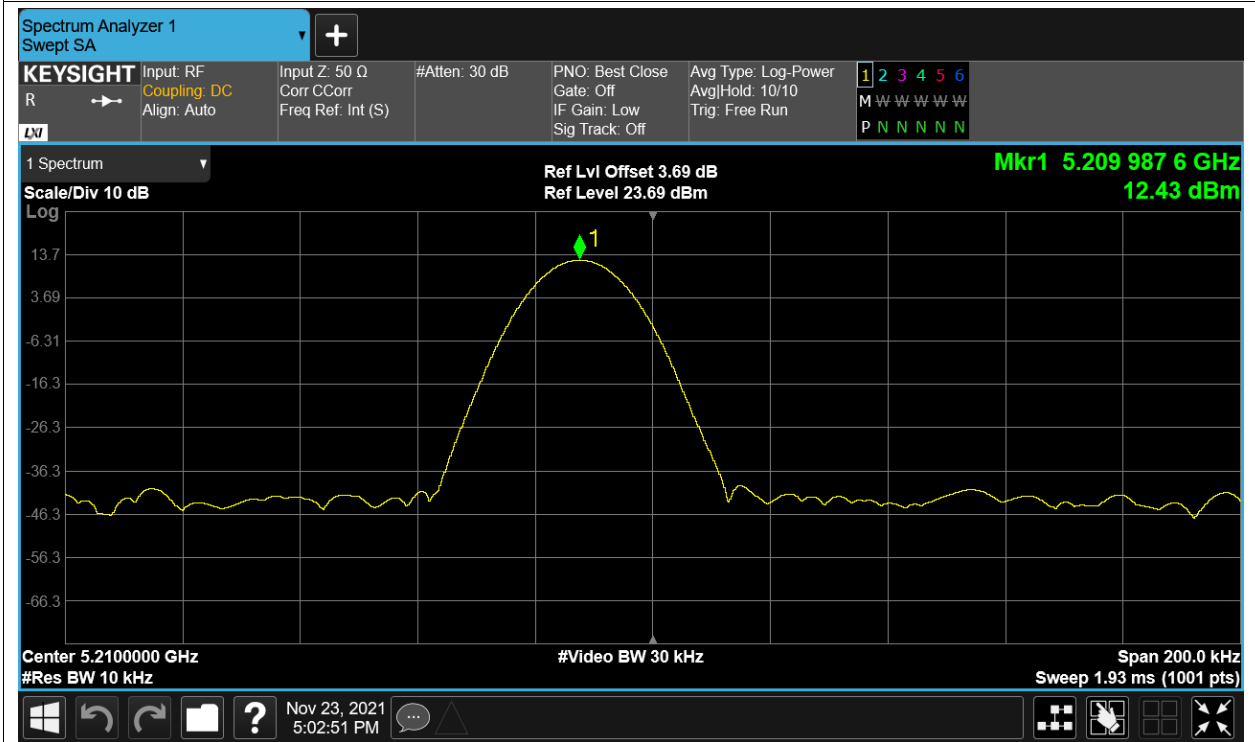
Freq. Stability LVLT a 5180MHz Ant1



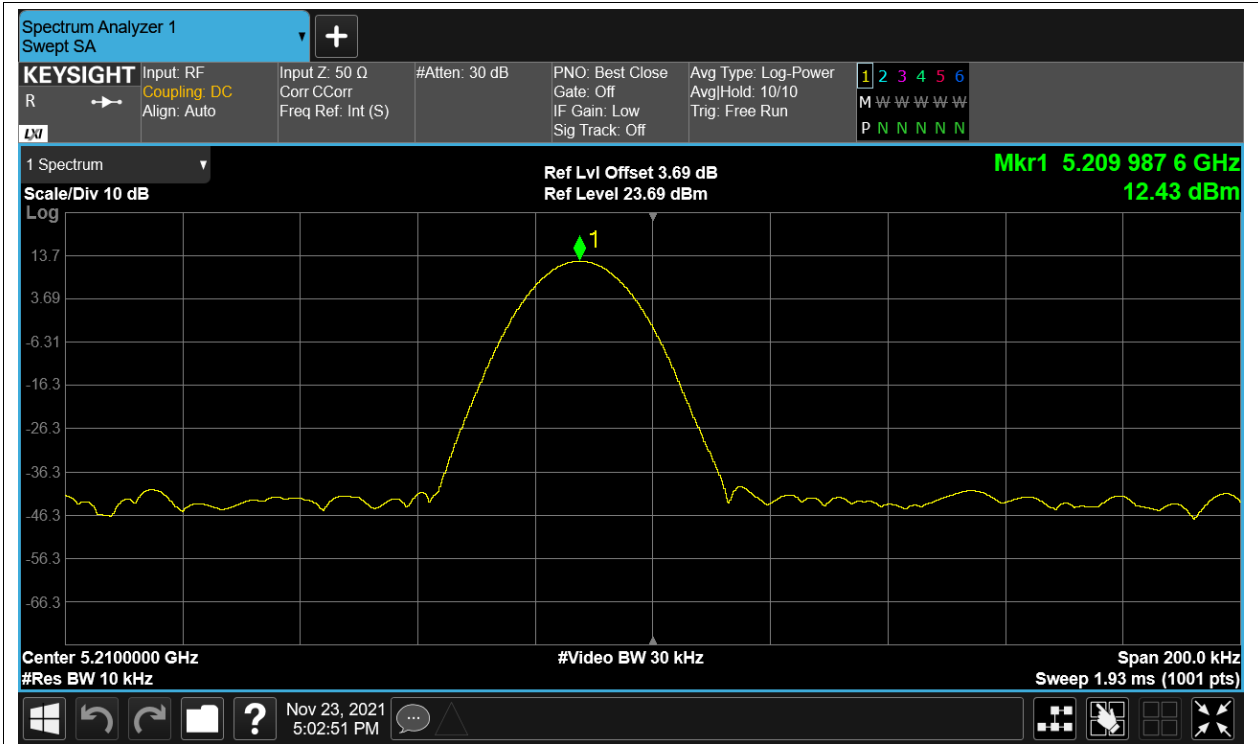
Freq. Stability NVNT a 5180MHz Ant1



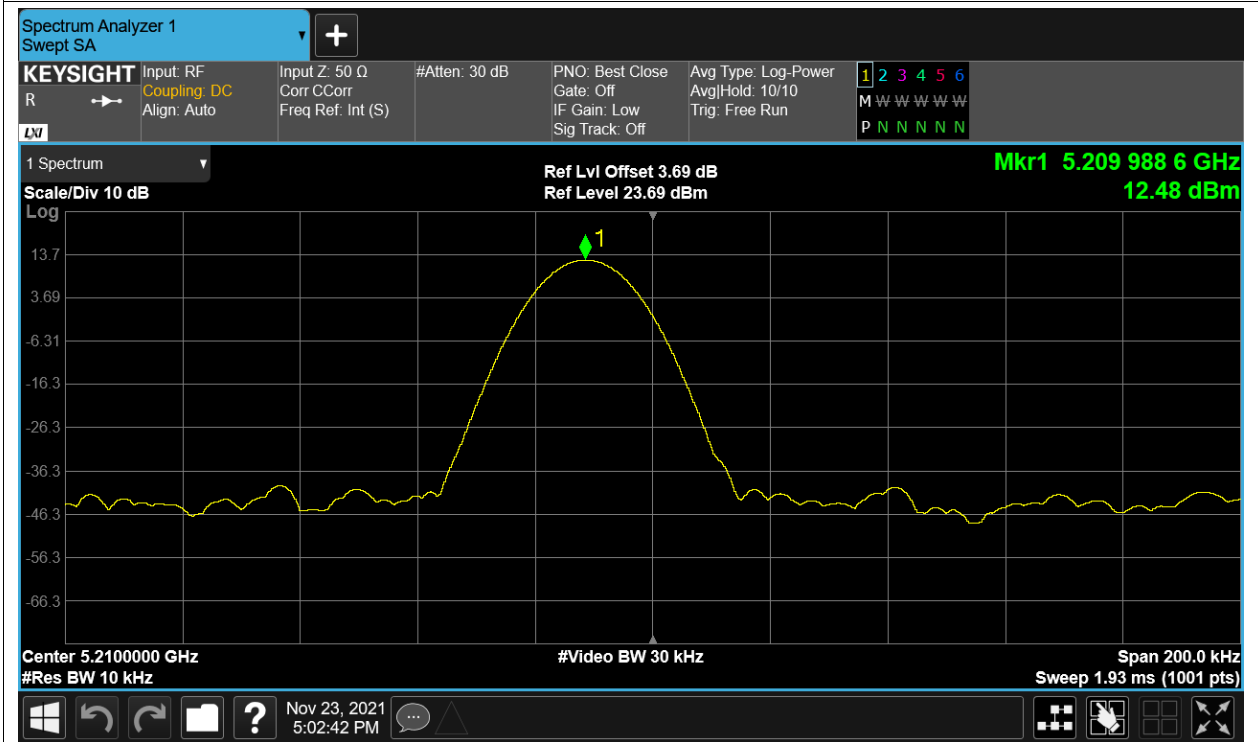
Freq. Stability HVHT ac80 5210MHz Ant1



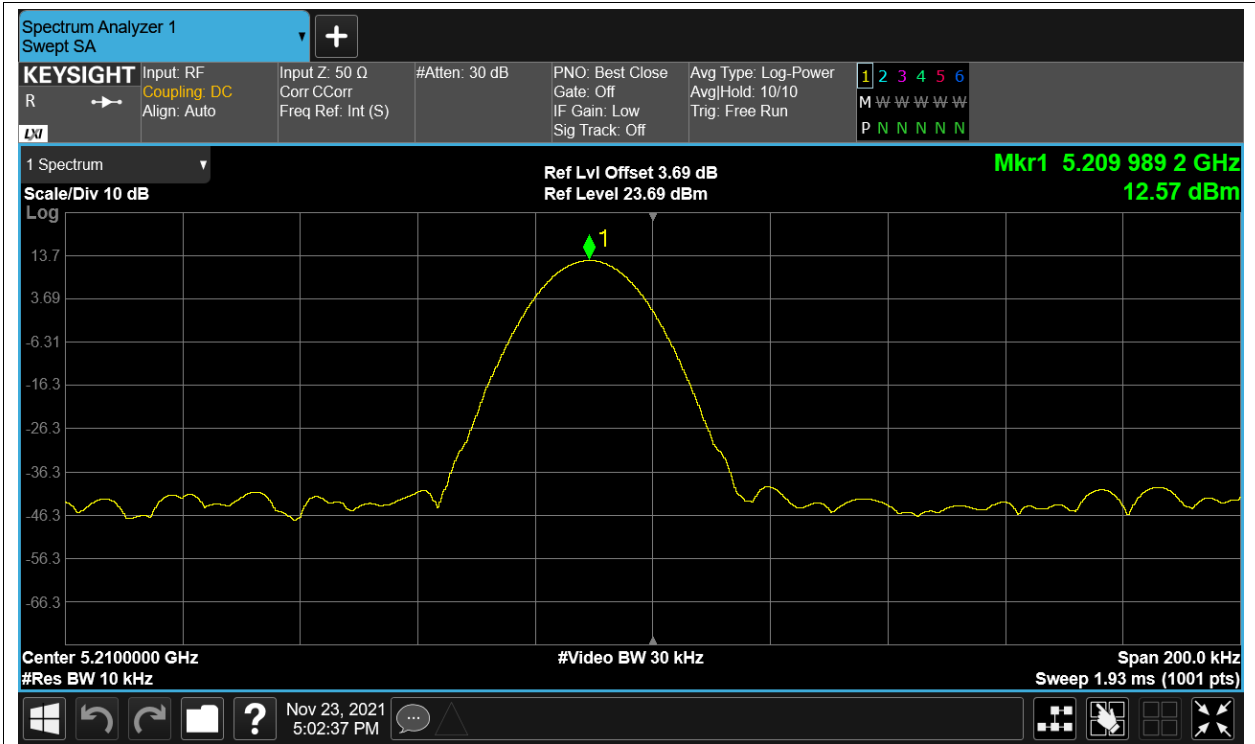
Freq. Stability HVLT ac80 5210MHz Ant1



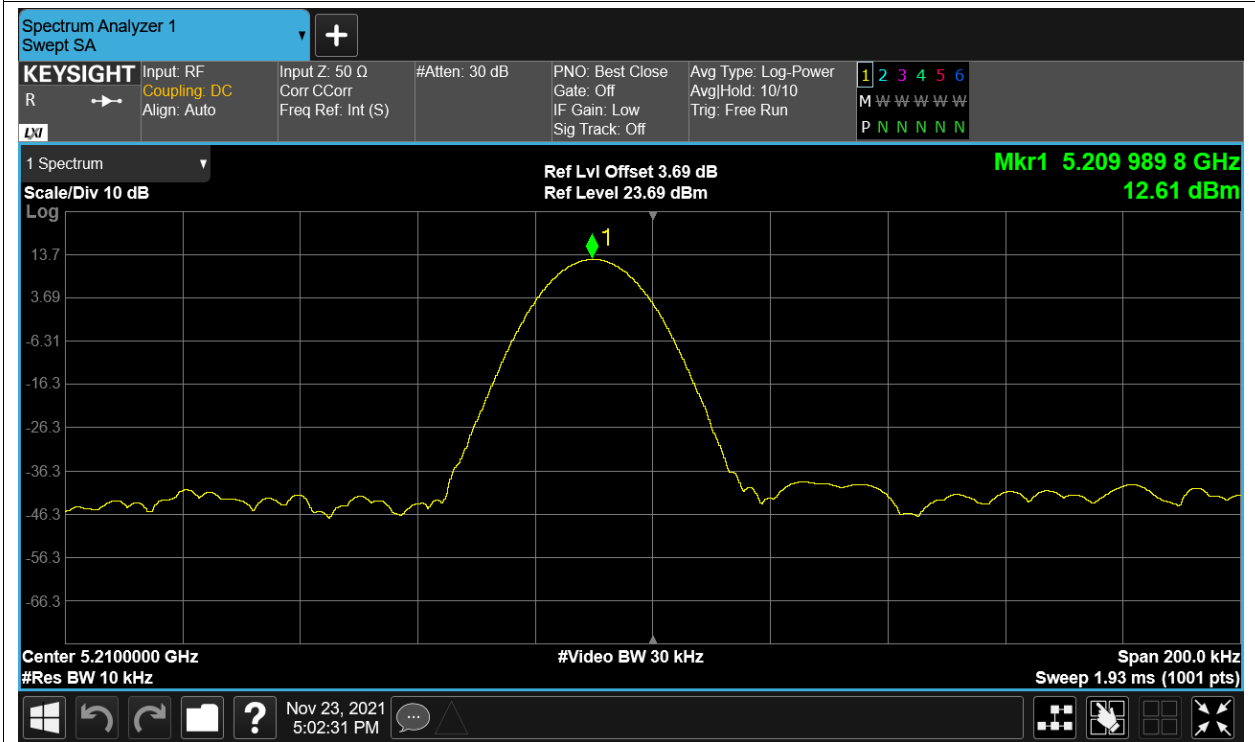
Freq. Stability LVHT ac80 5210MHz Ant1



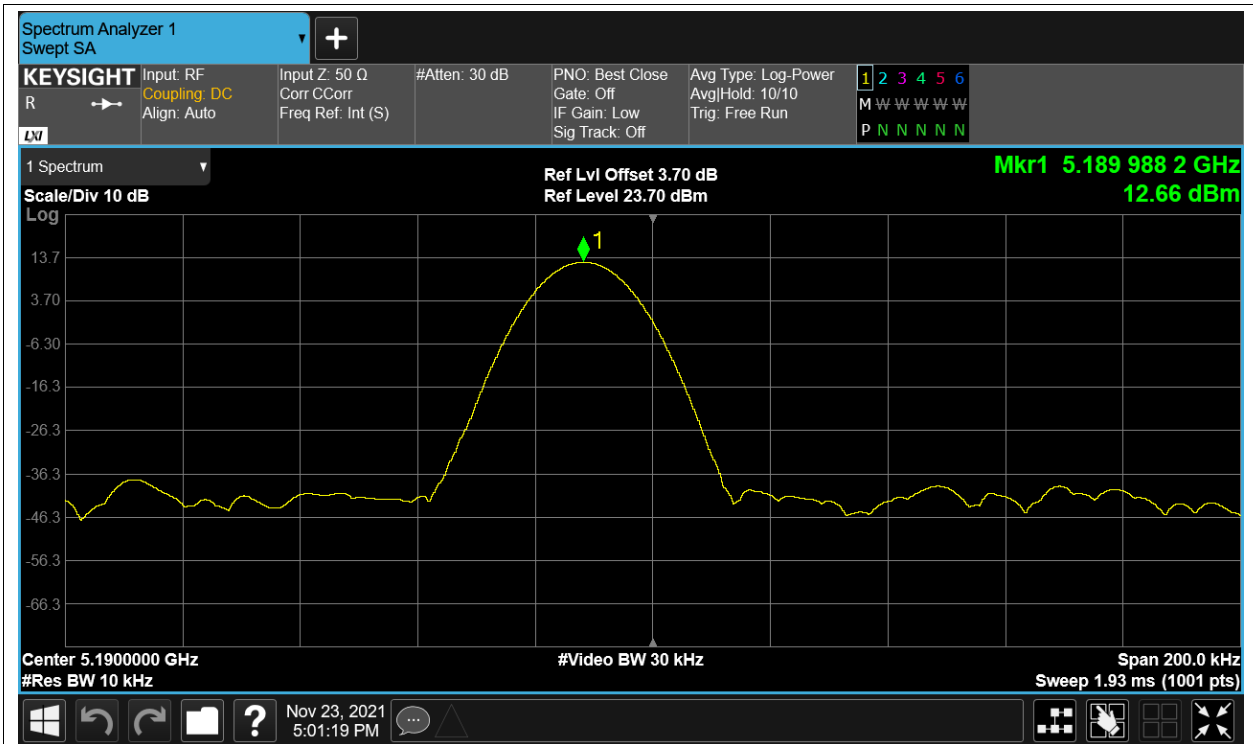
Freq. Stability LVLTL ac80 5210MHz Ant1



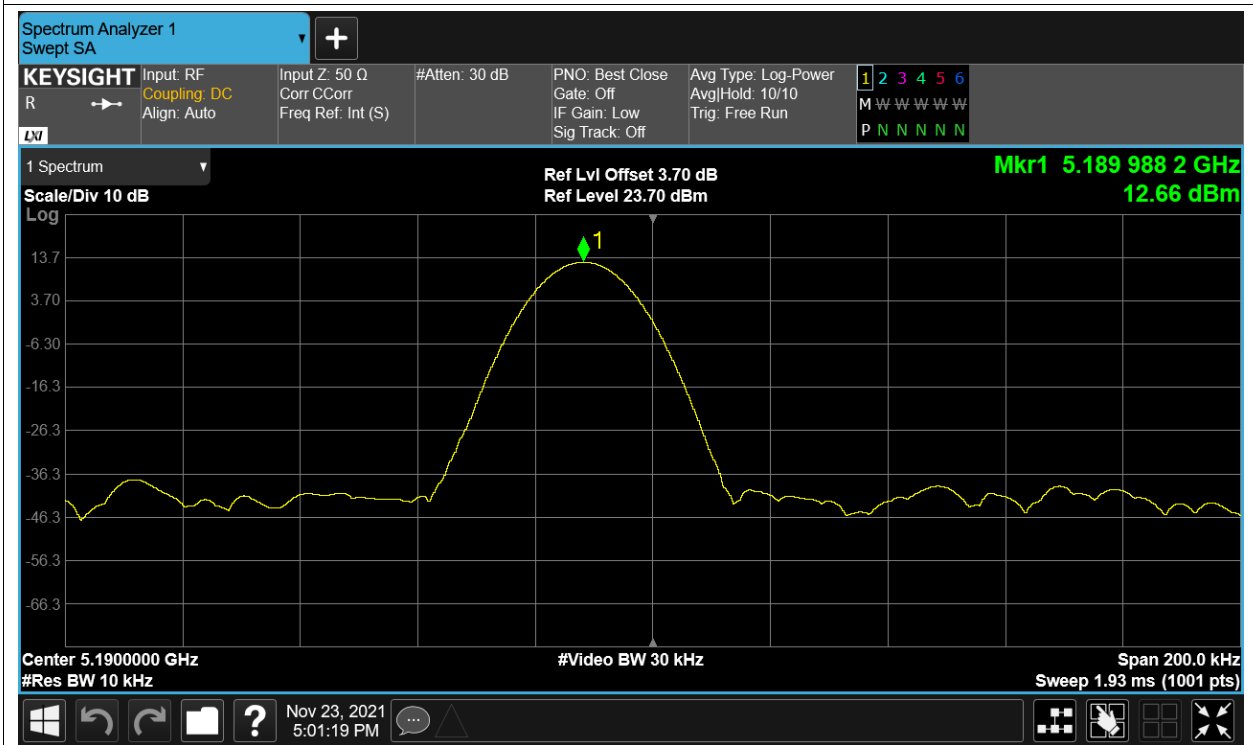
Freq. Stability NVNT ac80 5210MHz Ant1



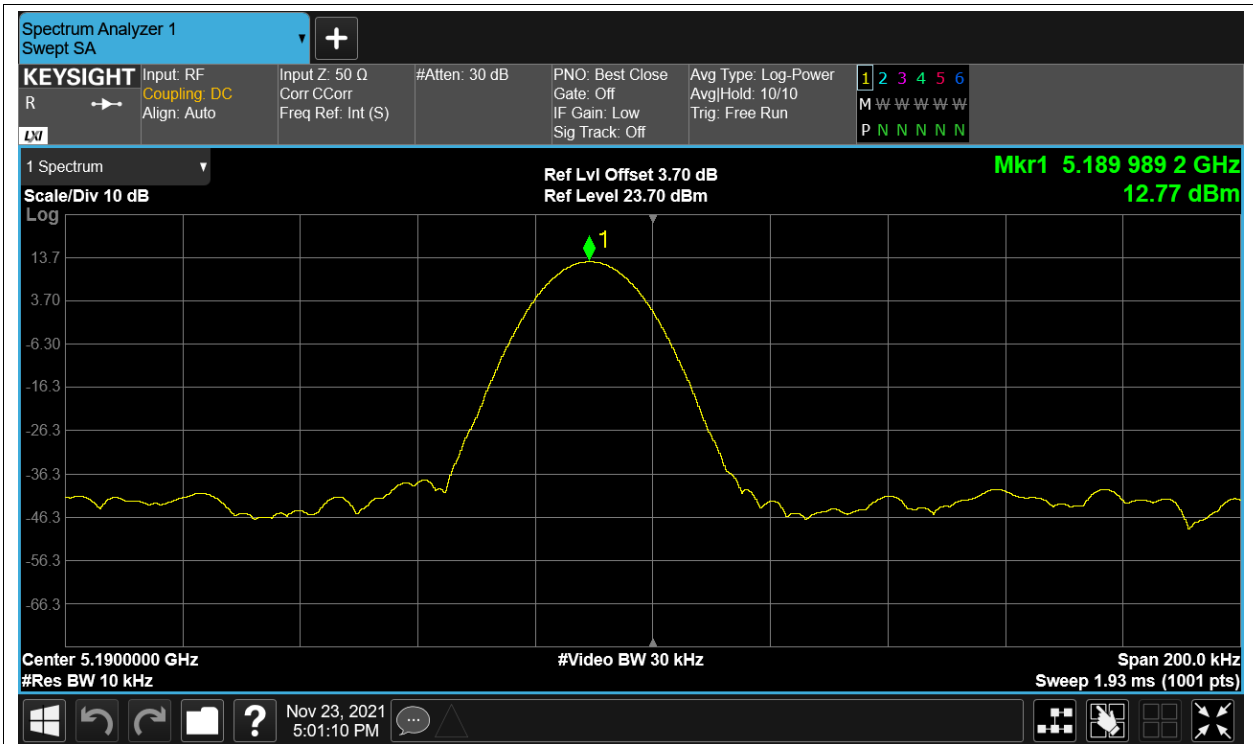
Freq. Stability HVHT n40 5190MHz Ant1



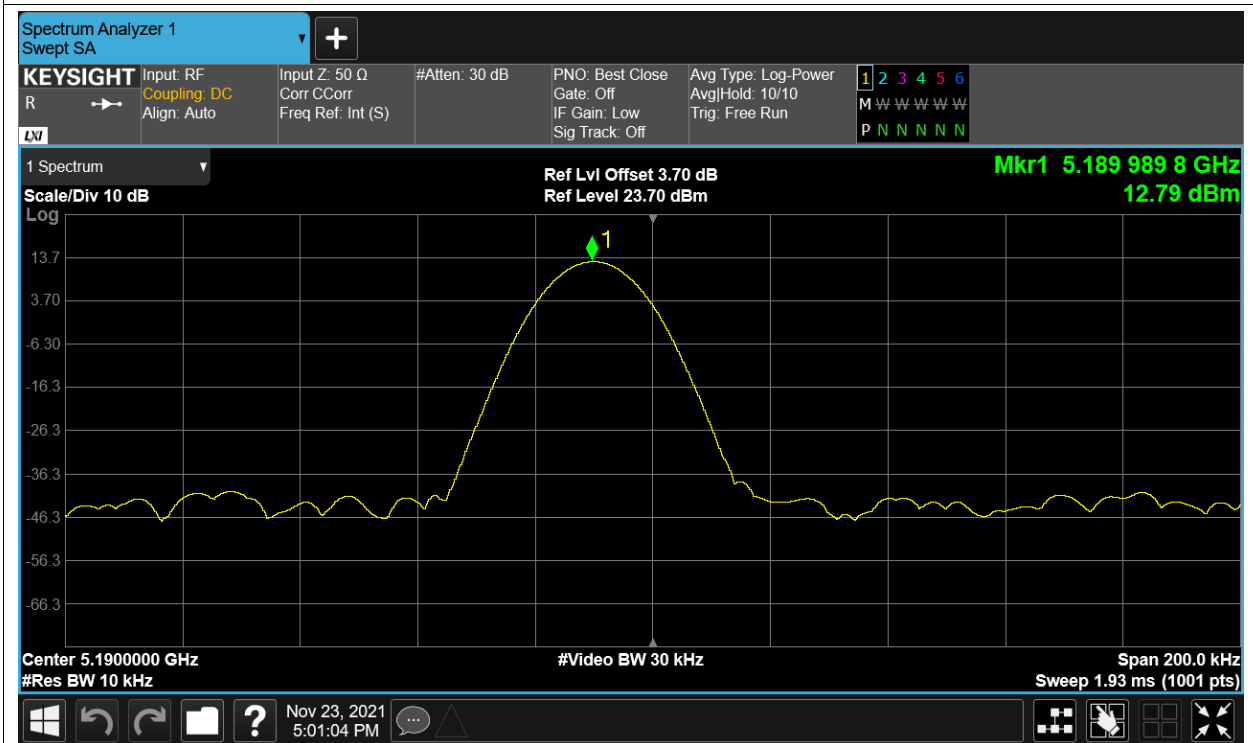
Freq. Stability HVLt n40 5190MHz Ant1



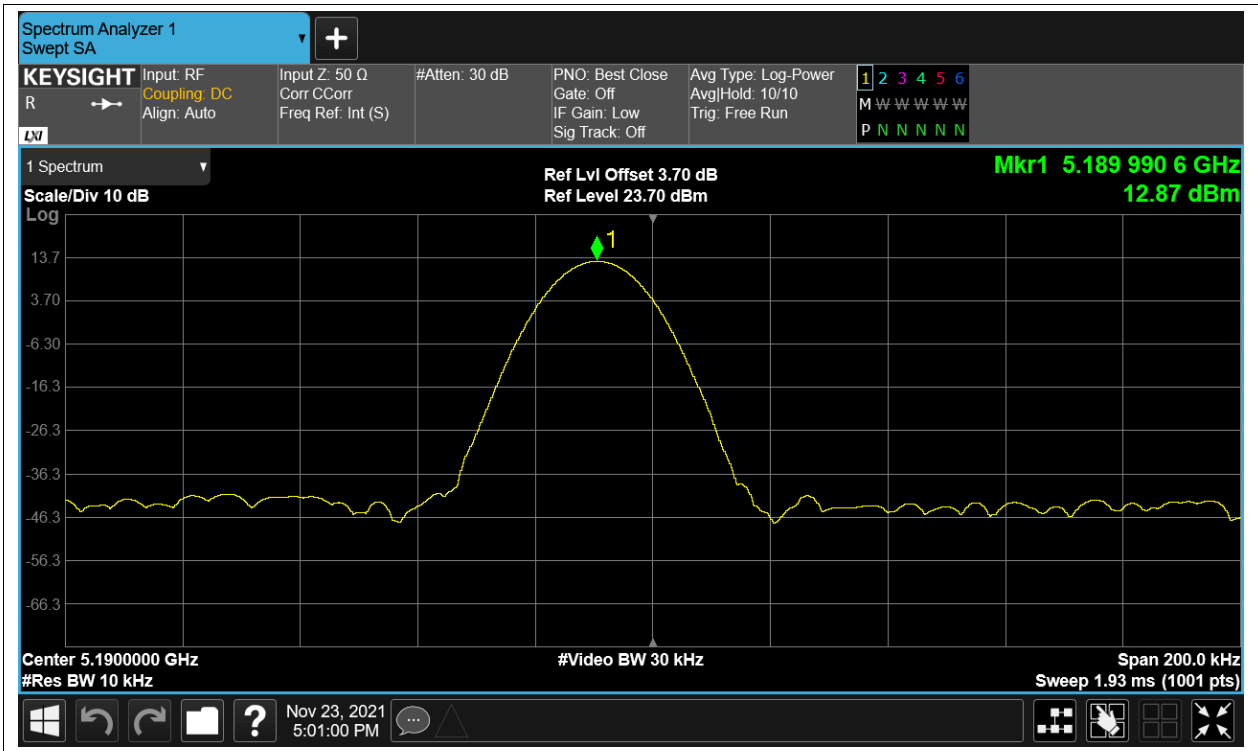
Freq. Stability LVHT n40 5190MHz Ant1



Freq. Stability LVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

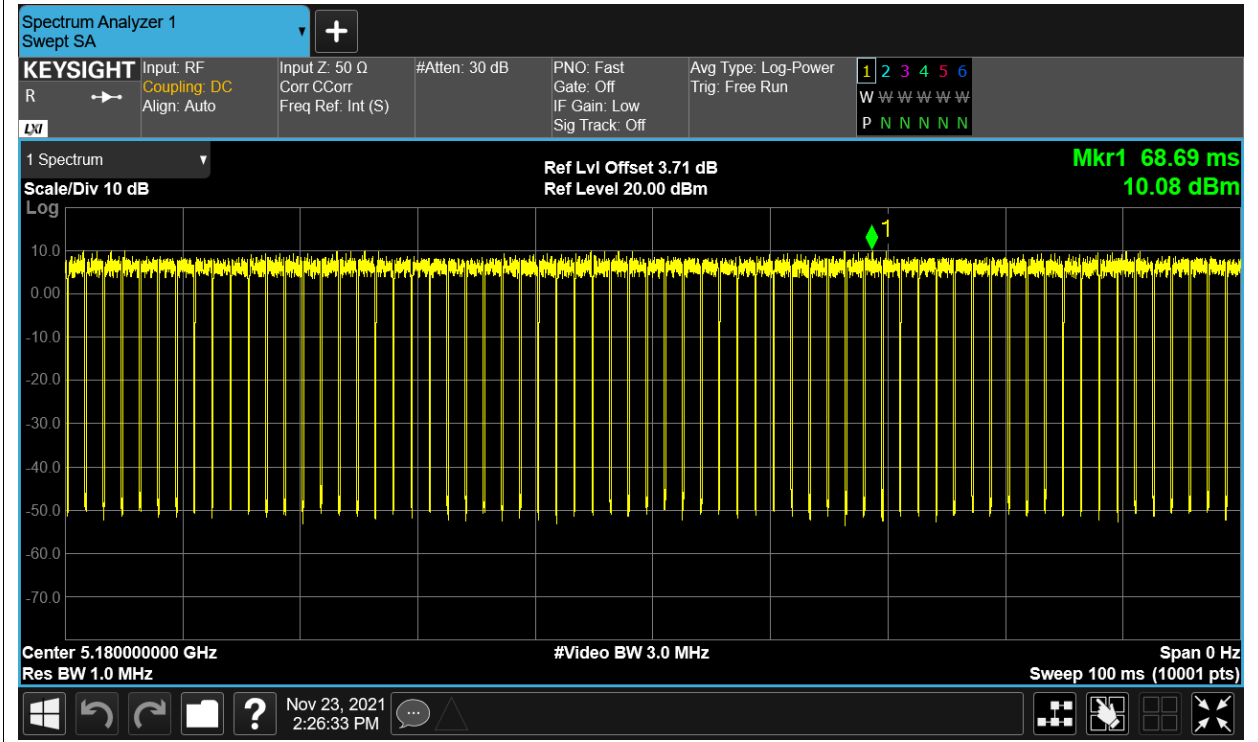


Duty Cycle

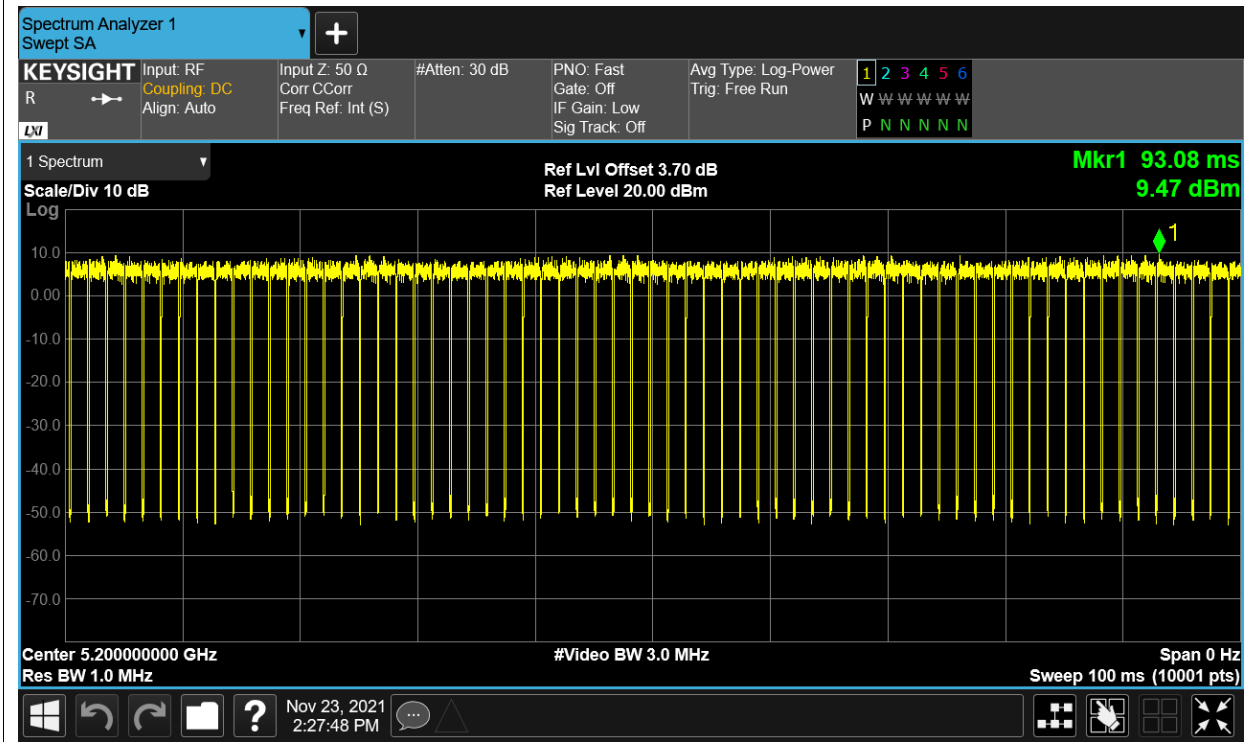
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	91.55	0.38
NVNT	a	5200	Ant1	91.55	0.38
NVNT	a	5240	Ant1	90.83	0.42
NVNT	ac20	5180	Ant1	89.99	0.46
NVNT	ac20	5200	Ant1	89.4	0.49
NVNT	ac20	5240	Ant1	90.1	0.45
NVNT	ac40	5190	Ant1	80.59	0.94
NVNT	ac40	5230	Ant1	81.36	0.9
NVNT	ac80	5210	Ant1	67.7	1.69
NVNT	n20	5180	Ant1	90	0.46
NVNT	n20	5200	Ant1	89.88	0.46
NVNT	n20	5240	Ant1	89.87	0.46
NVNT	n40	5190	Ant1	80.46	0.94
NVNT	n40	5230	Ant1	81.24	0.9

Test Graphs

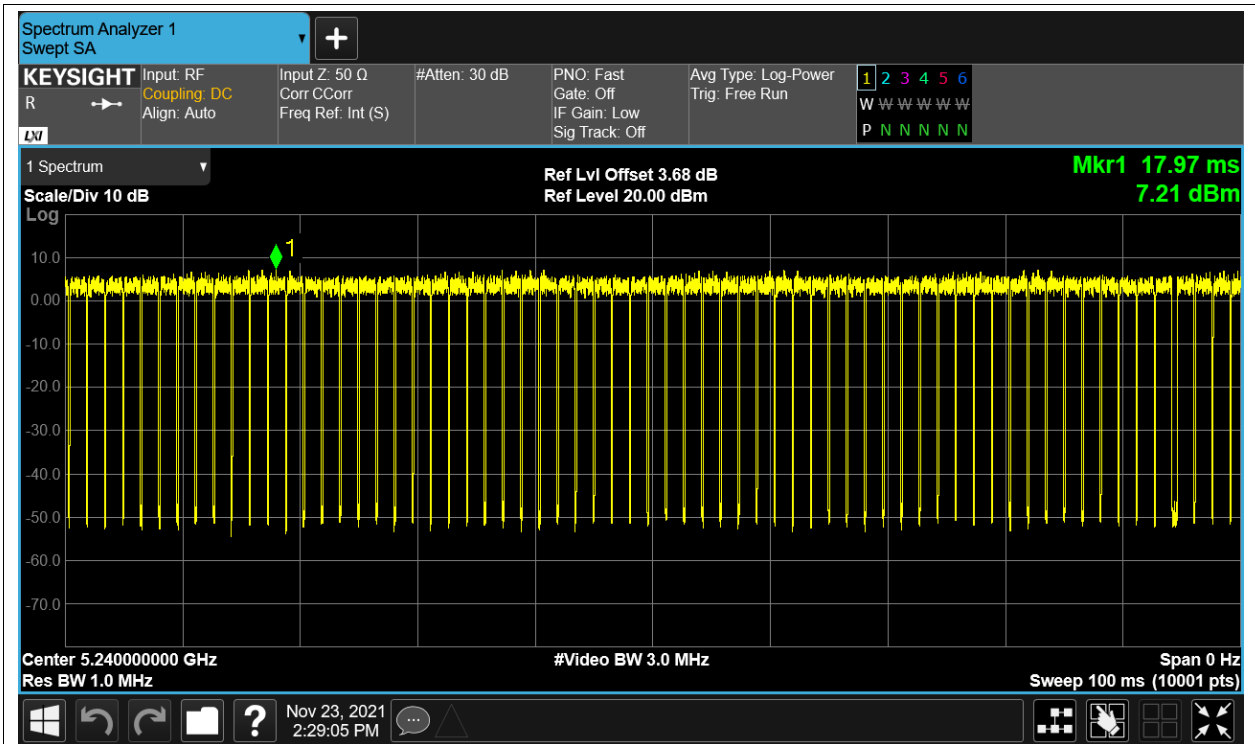
Duty Cycle NVNT a 5180MHz Ant1



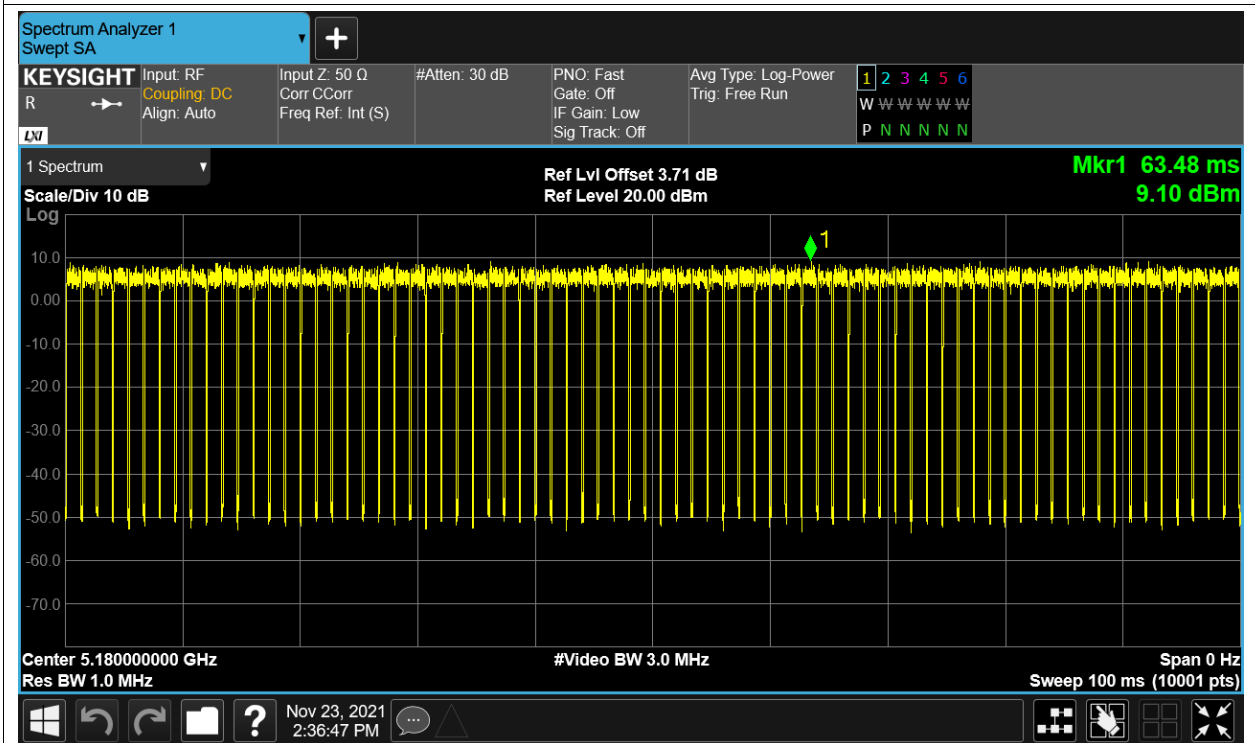
Duty Cycle NVNT a 5200MHz Ant1



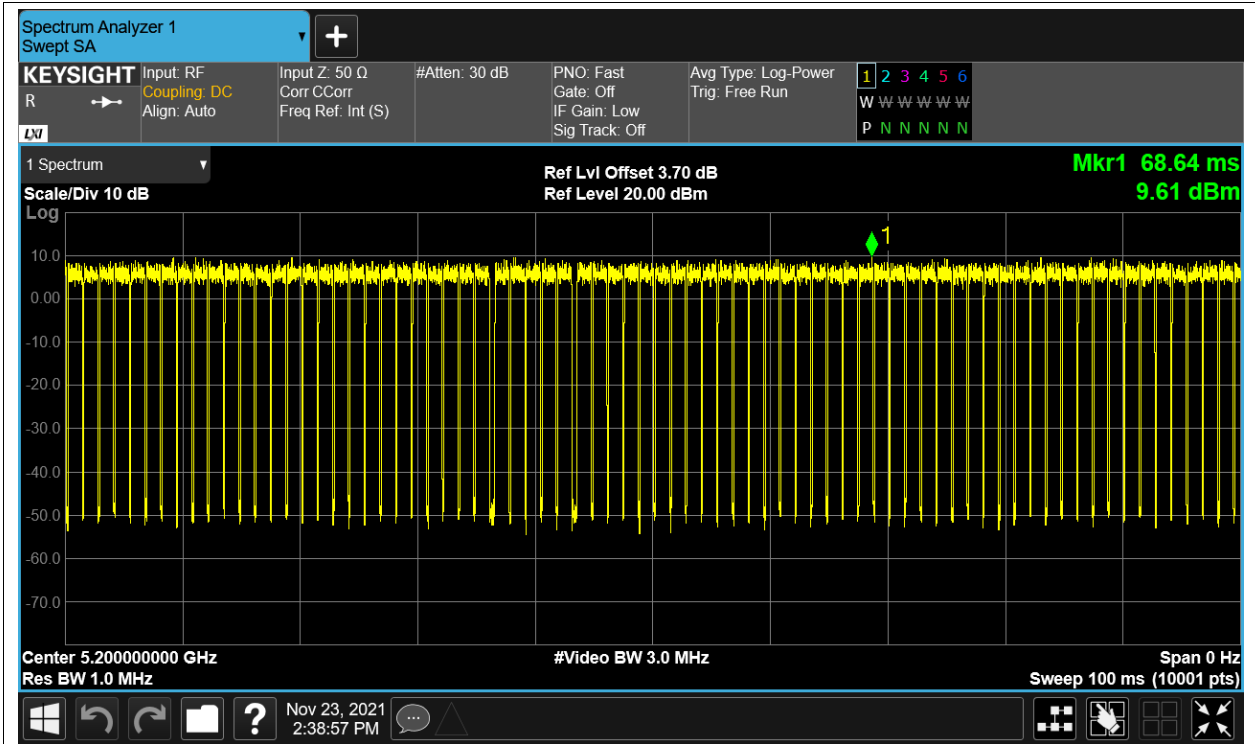
Duty Cycle NVNT a 5240MHz Ant1



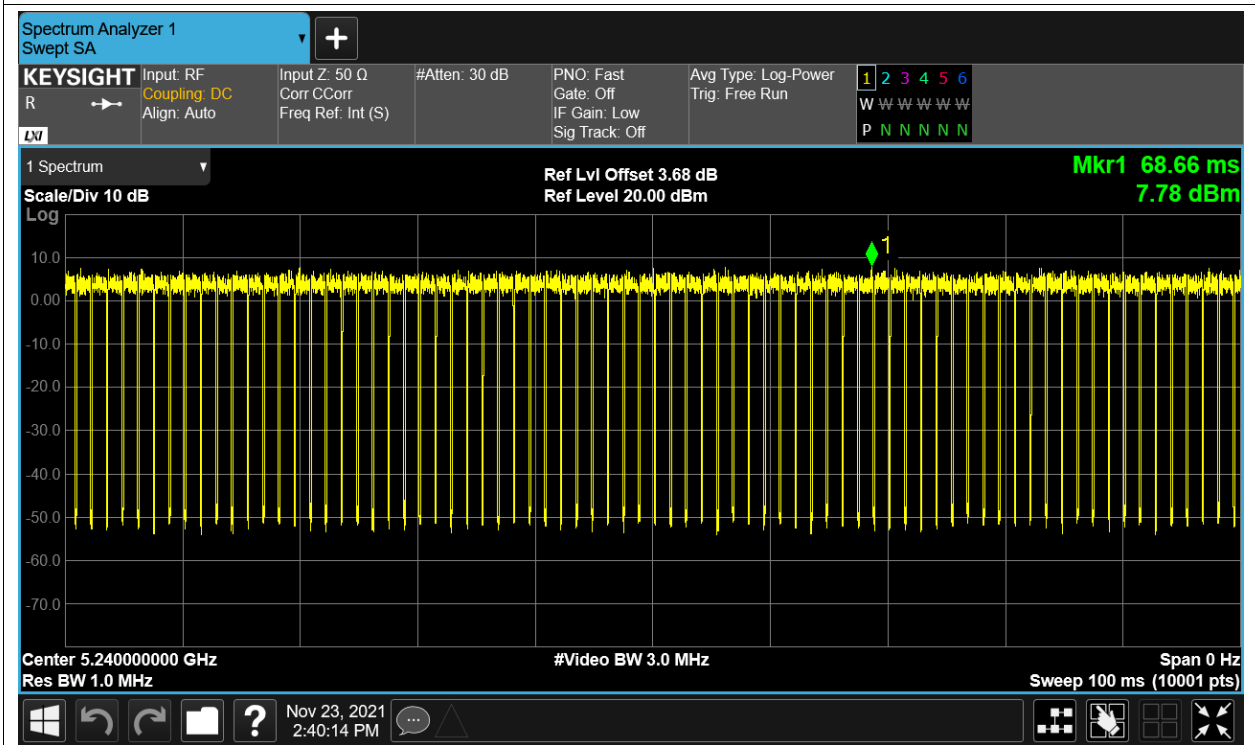
Duty Cycle NVNT ac20 5180MHz Ant1



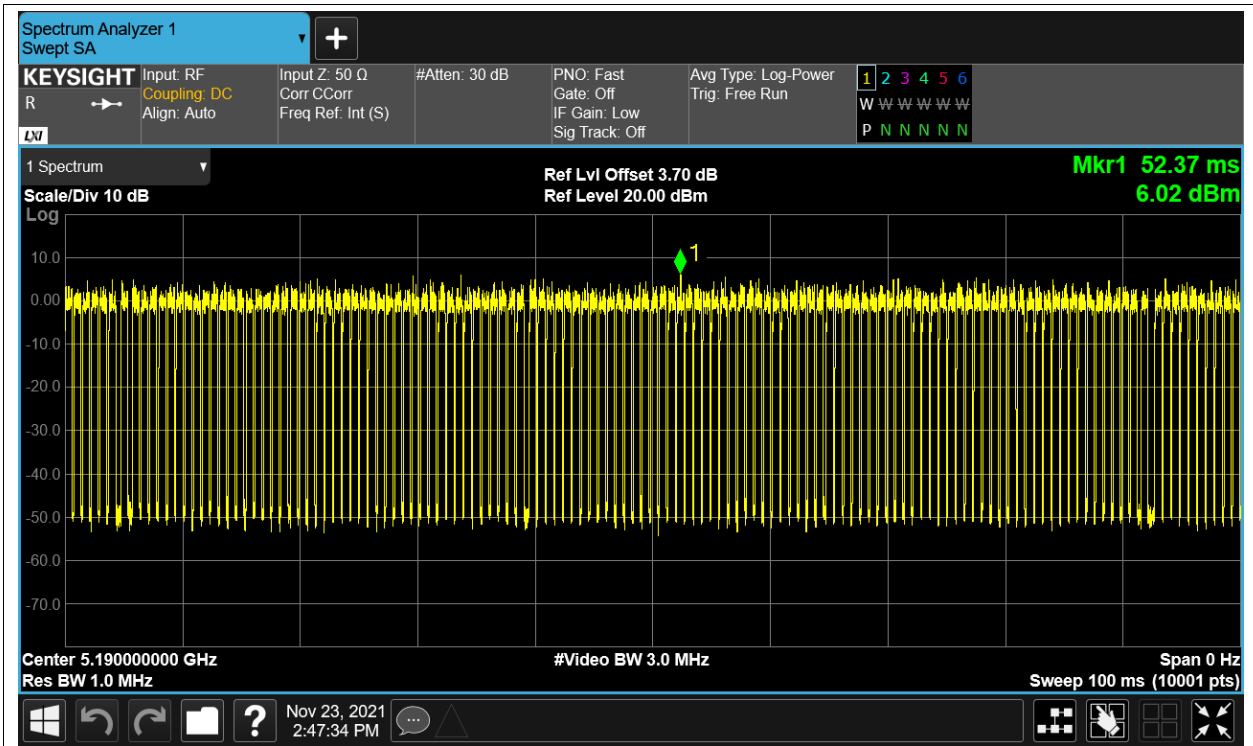
Duty Cycle NVNT ac20 5200MHz Ant1



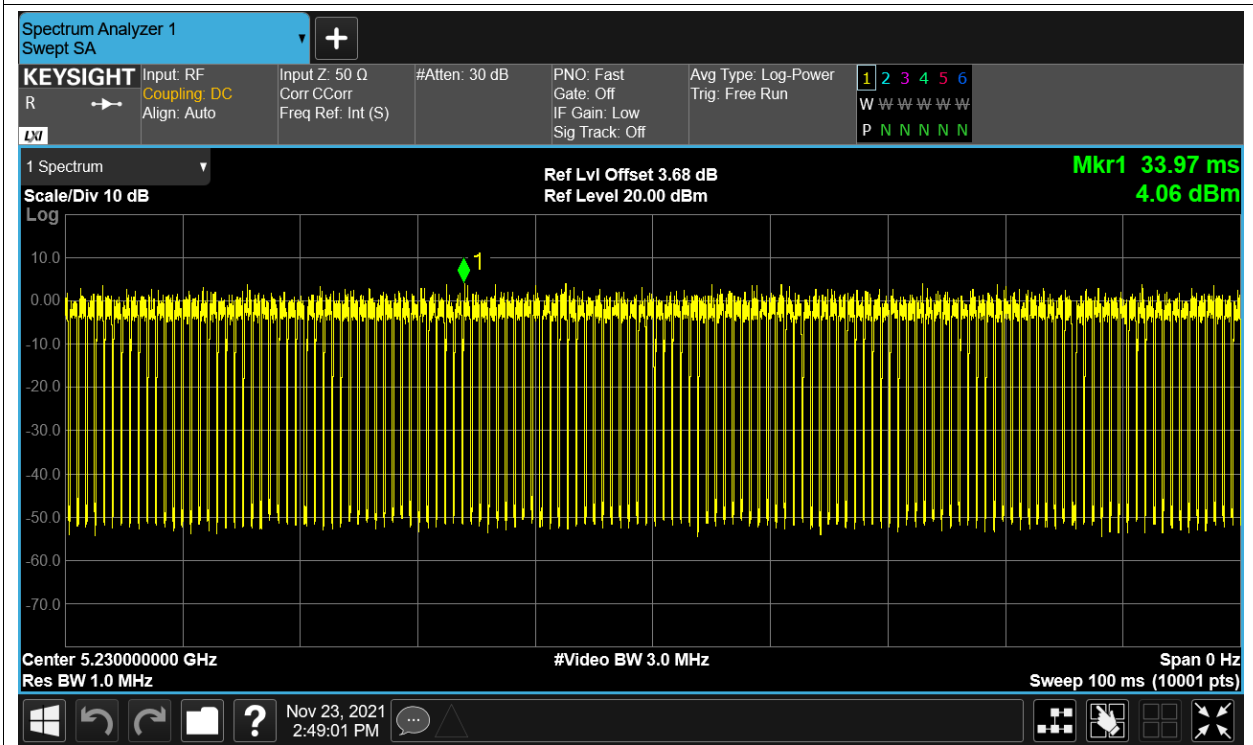
Duty Cycle NVNT ac20 5240MHz Ant1



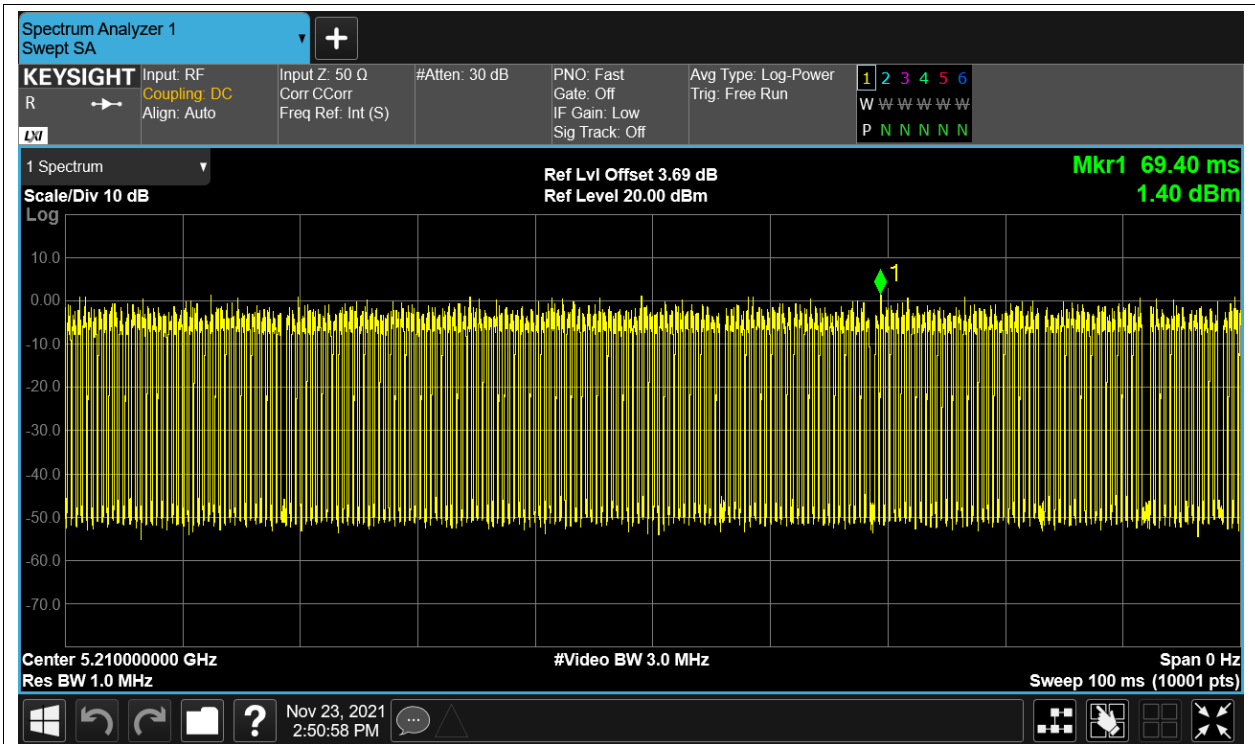
Duty Cycle NVNT ac40 5190MHz Ant1



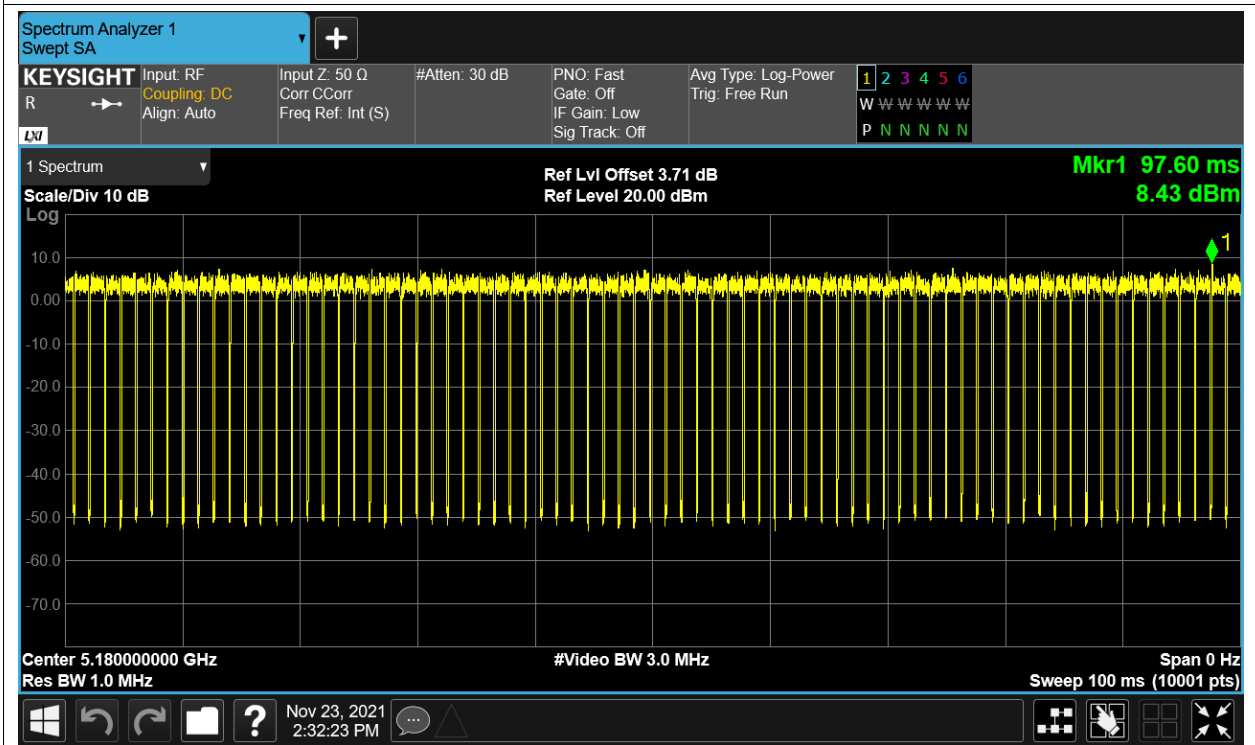
Duty Cycle NVNT ac40 5230MHz Ant1



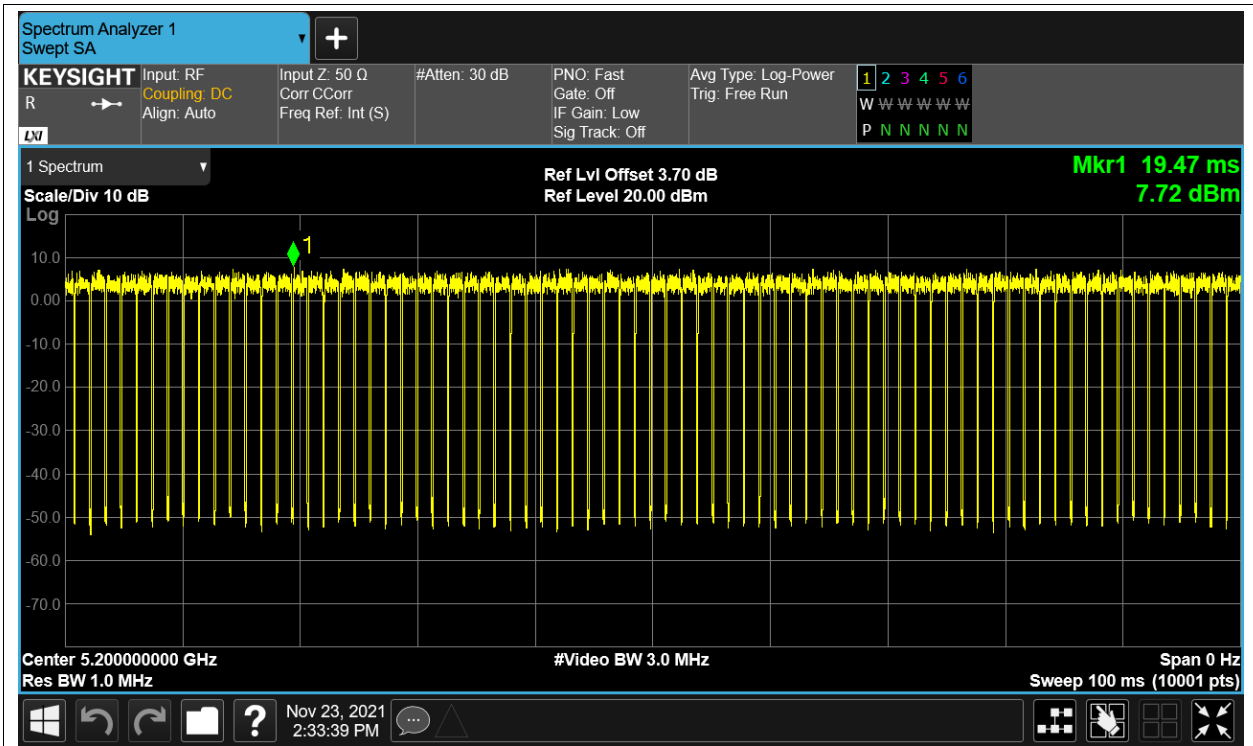
Duty Cycle NVNT ac80 5210MHz Ant1



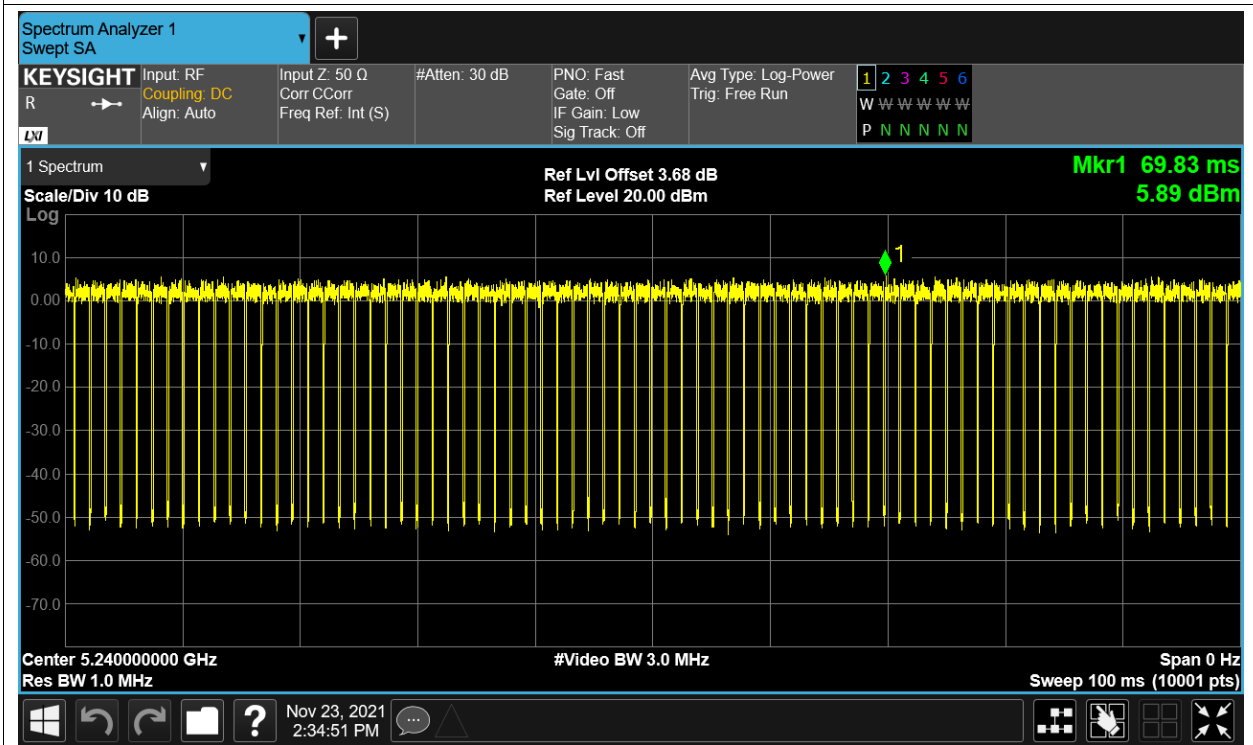
Duty Cycle NVNT n20 5180MHz Ant1



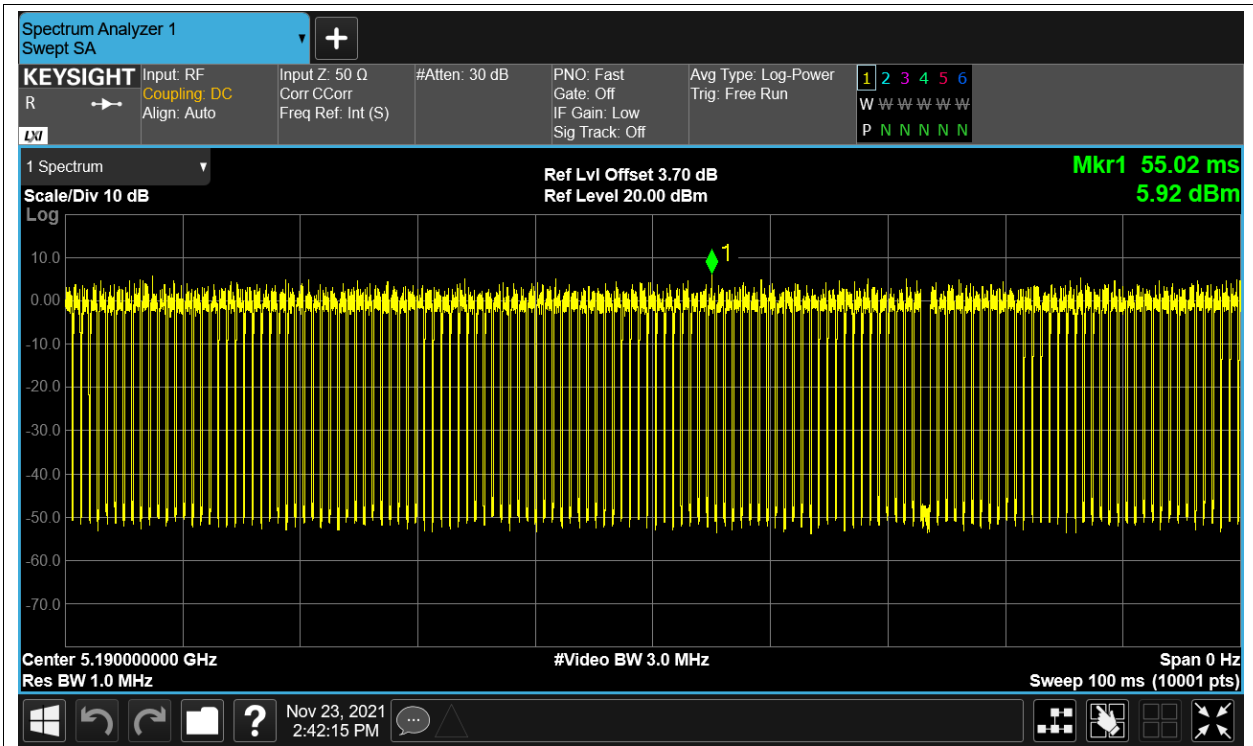
Duty Cycle NVNT n20 5200MHz Ant1



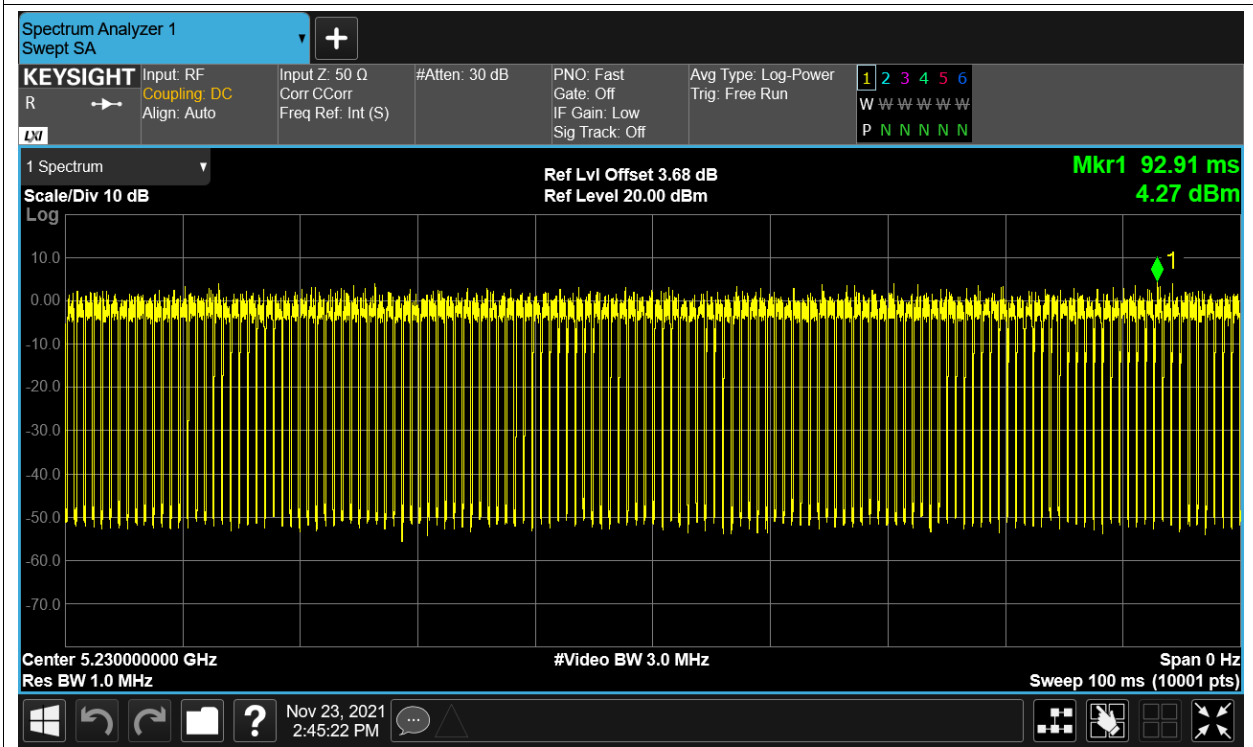
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1

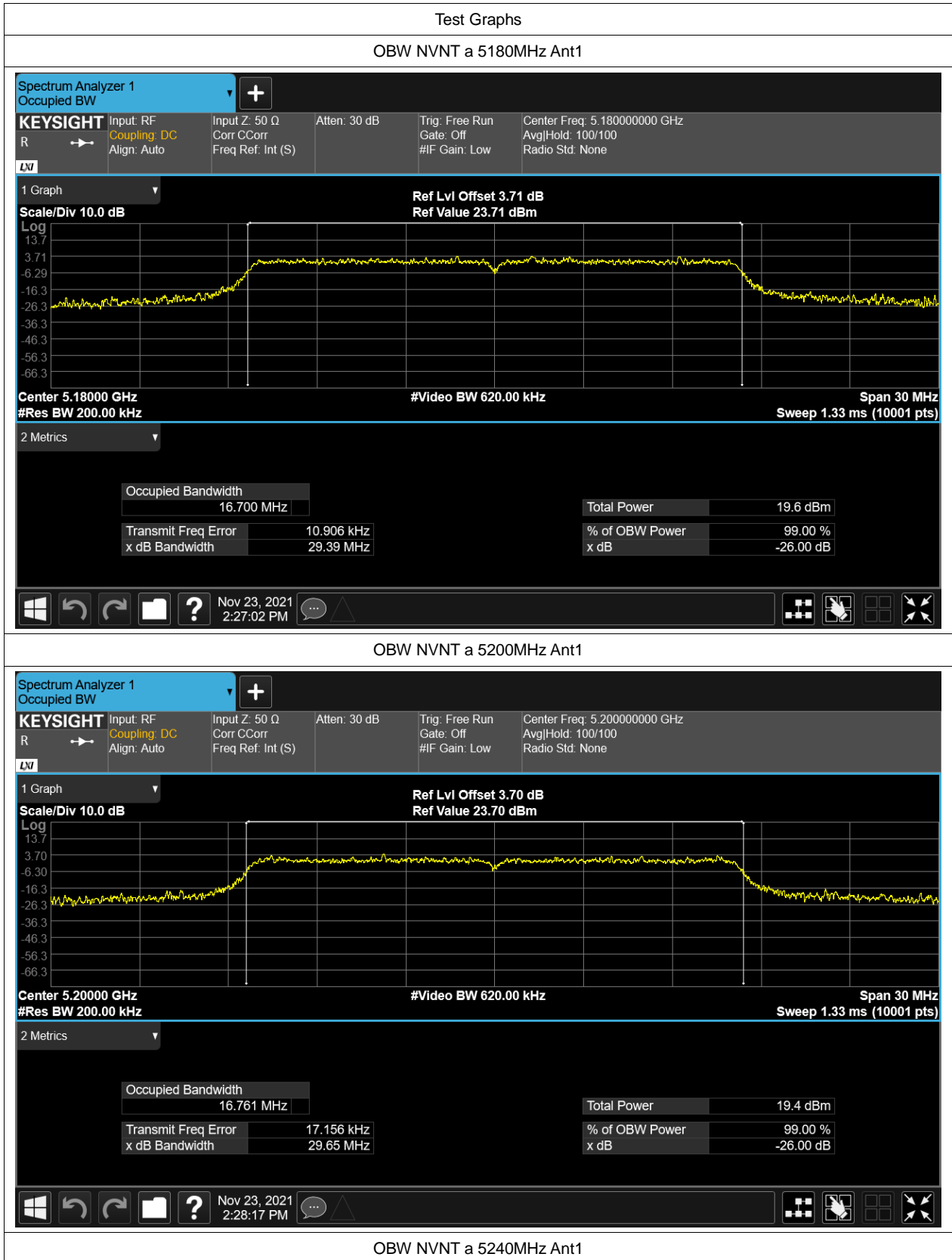


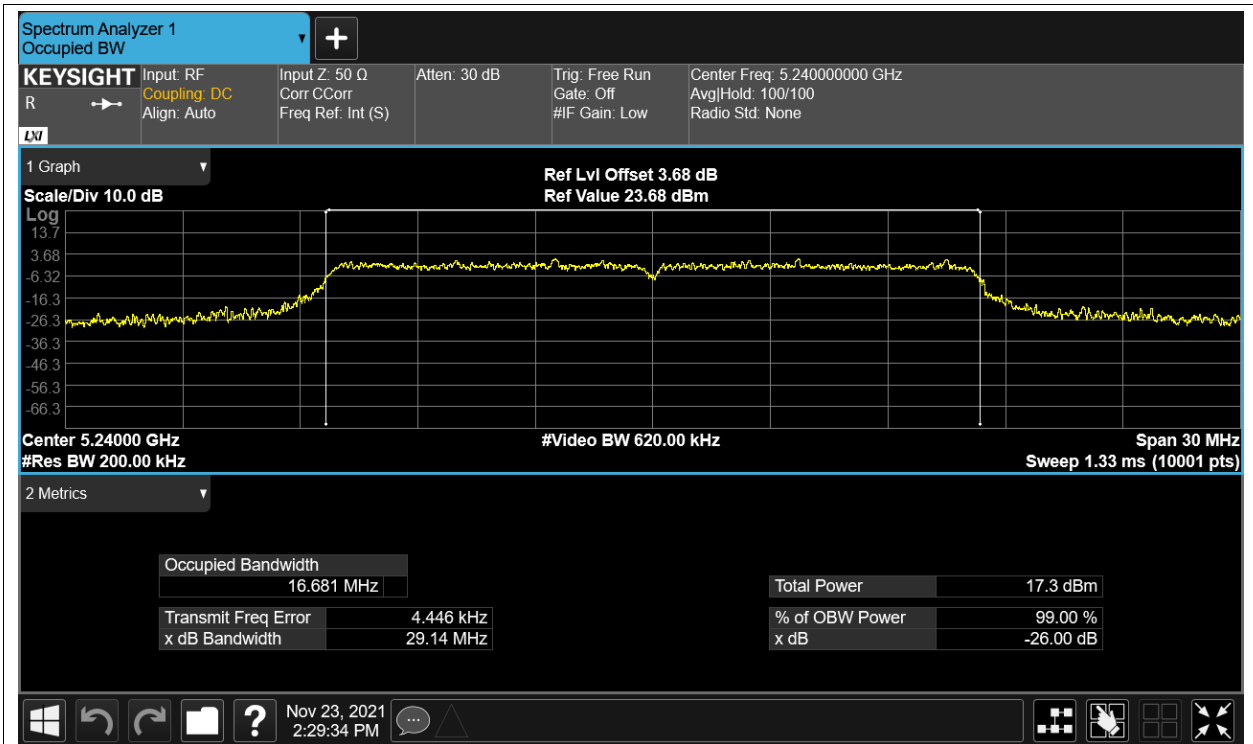
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	14.6	0.38	14.98	24	Pass
NVNT	a	5200	Ant1	13.89	0.38	14.27	24	Pass
NVNT	a	5240	Ant1	12.23	0.42	12.65	24	Pass
NVNT	ac20	5180	Ant1	13.89	0.46	14.35	24	Pass
NVNT	ac20	5200	Ant1	13.59	0.49	14.08	24	Pass
NVNT	ac20	5240	Ant1	12.71	0.45	13.16	24	Pass
NVNT	ac40	5190	Ant1	13.89	0.94	14.83	24	Pass
NVNT	ac40	5230	Ant1	12.47	0.9	13.37	24	Pass
NVNT	ac80	5210	Ant1	13.73	1.69	15.42	24	Pass
NVNT	n20	5180	Ant1	12.13	0.46	12.59	24	Pass
NVNT	n20	5200	Ant1	11.62	0.46	12.08	24	Pass
NVNT	n20	5240	Ant1	10.89	0.46	11.35	24	Pass
NVNT	n40	5190	Ant1	13.77	0.94	14.71	24	Pass
NVNT	n40	5230	Ant1	12.45	0.9	13.35	24	Pass

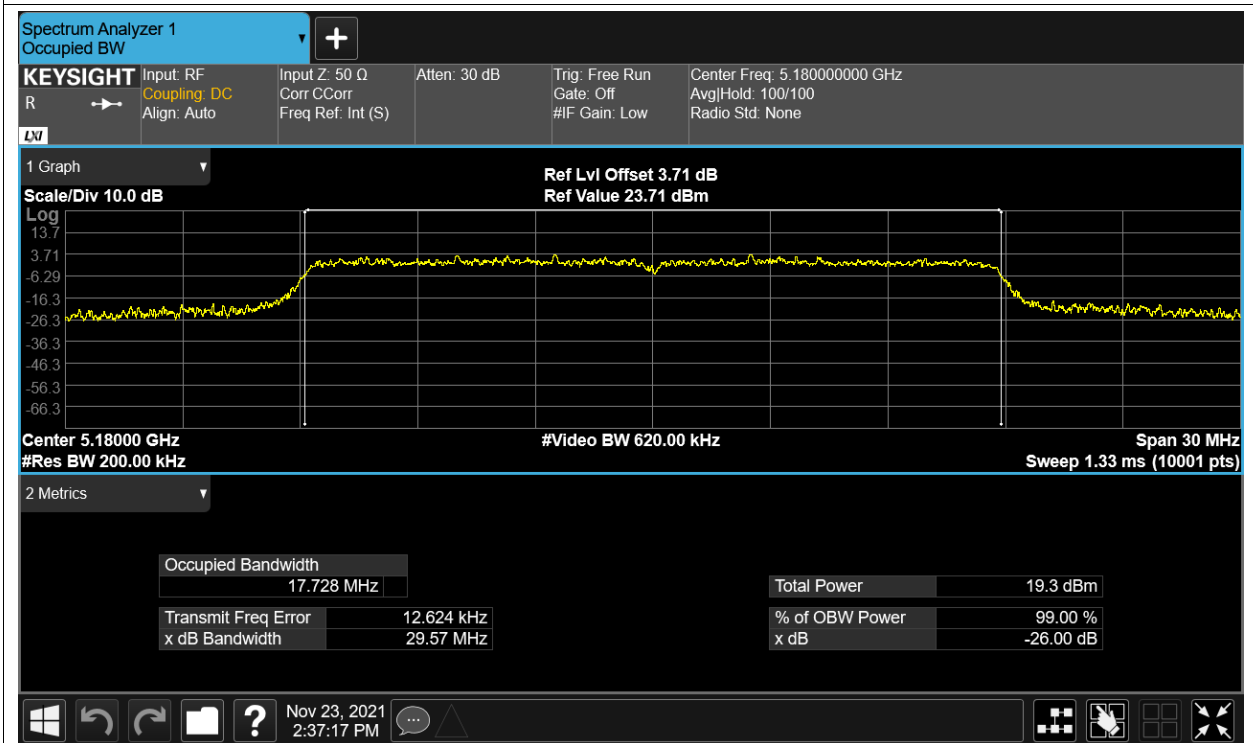
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.69981069
NVNT	a	5200	Ant1	16.76109376
NVNT	a	5240	Ant1	16.6811144
NVNT	ac20	5180	Ant1	17.72775546
NVNT	ac20	5200	Ant1	17.80781064
NVNT	ac20	5240	Ant1	17.76244243
NVNT	ac40	5190	Ant1	36.28338988
NVNT	ac40	5230	Ant1	36.21768039
NVNT	ac80	5210	Ant1	75.76566197
NVNT	n20	5180	Ant1	17.60580421
NVNT	n20	5200	Ant1	17.66104827
NVNT	n20	5240	Ant1	17.63035797
NVNT	n40	5190	Ant1	36.29862882
NVNT	n40	5230	Ant1	36.16898837

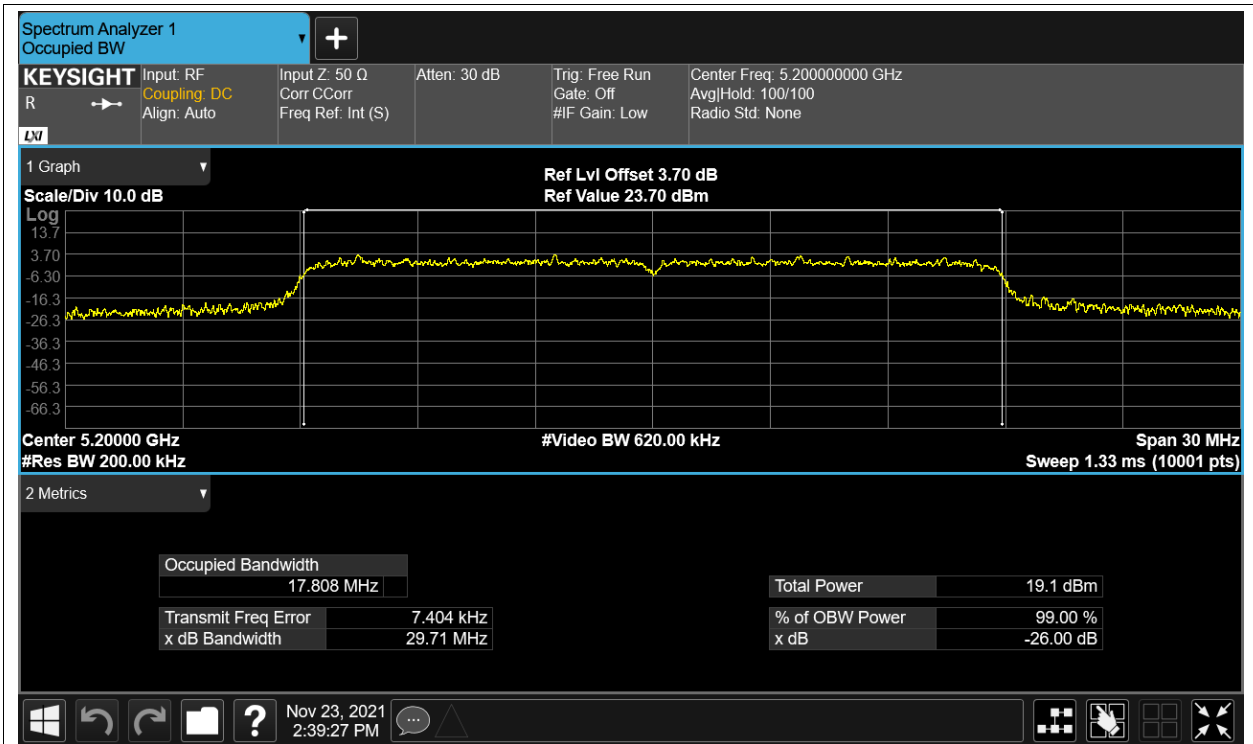




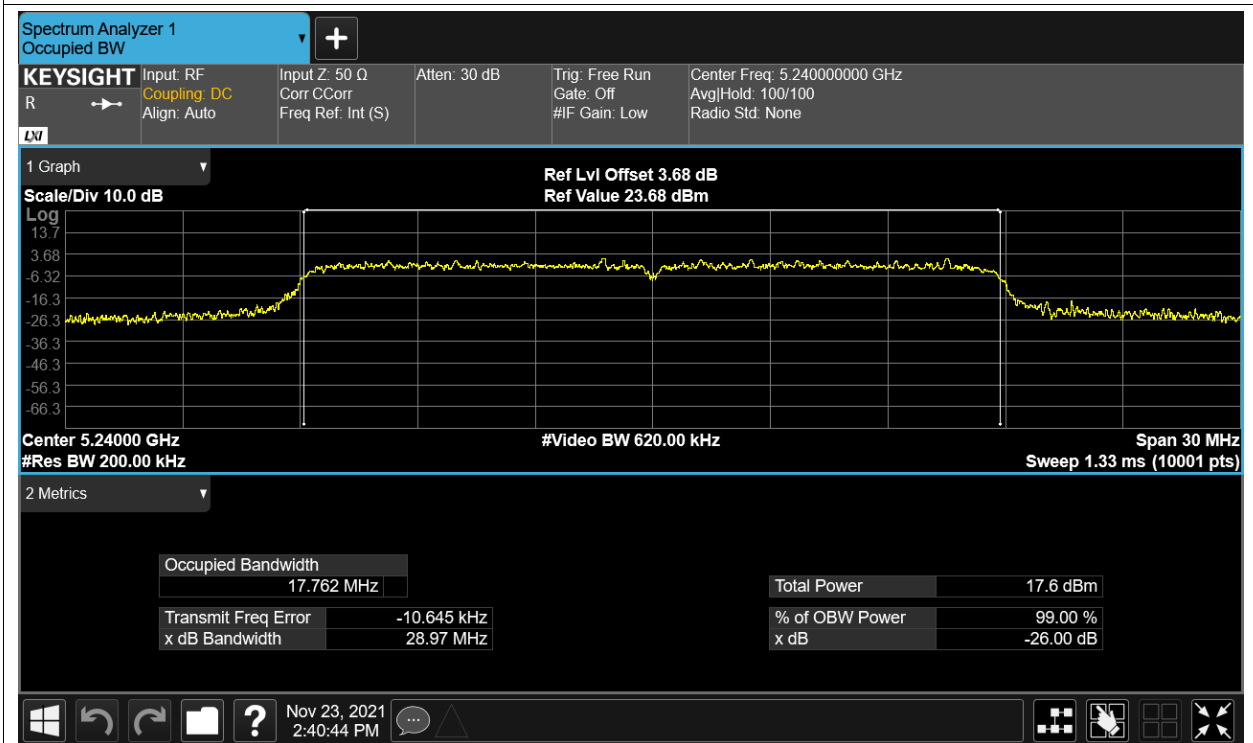
OBW NVNT ac20 5180MHz Ant1



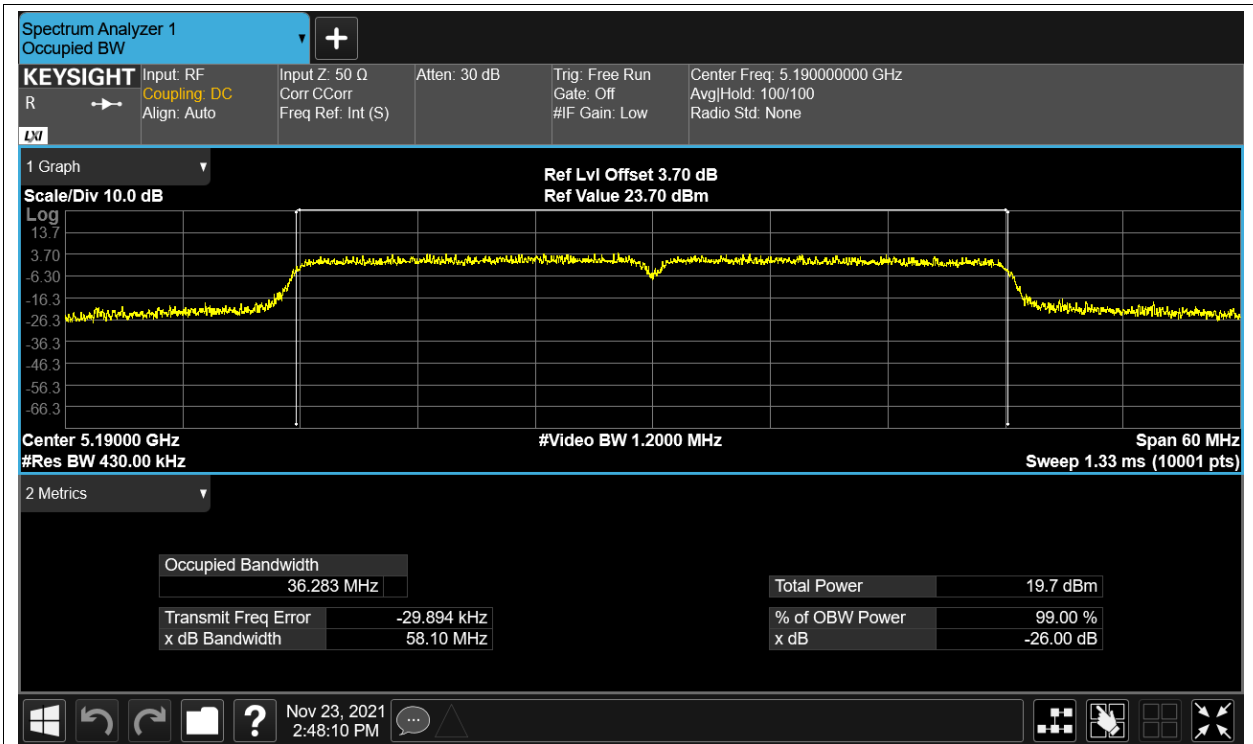
OBW NVNT ac20 5200MHz Ant1



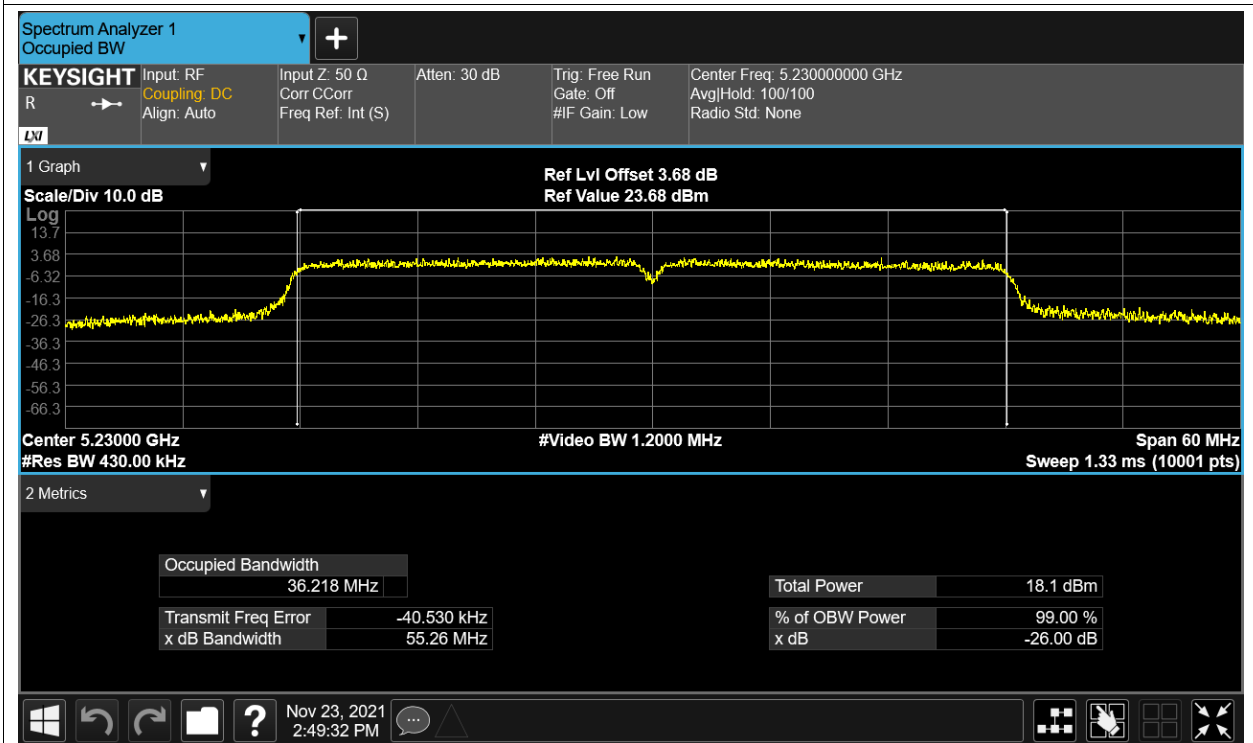
OBW NVNT ac20 5240MHz Ant1



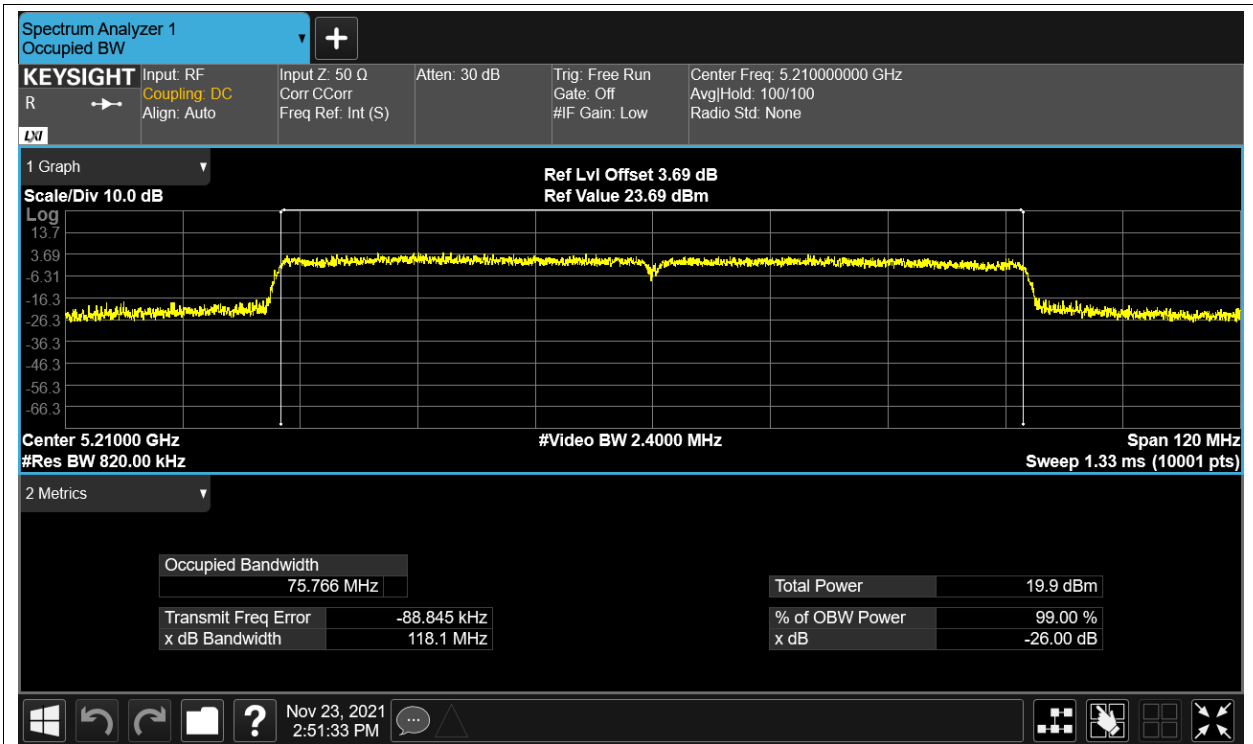
OBW NVNT ac40 5190MHz Ant1



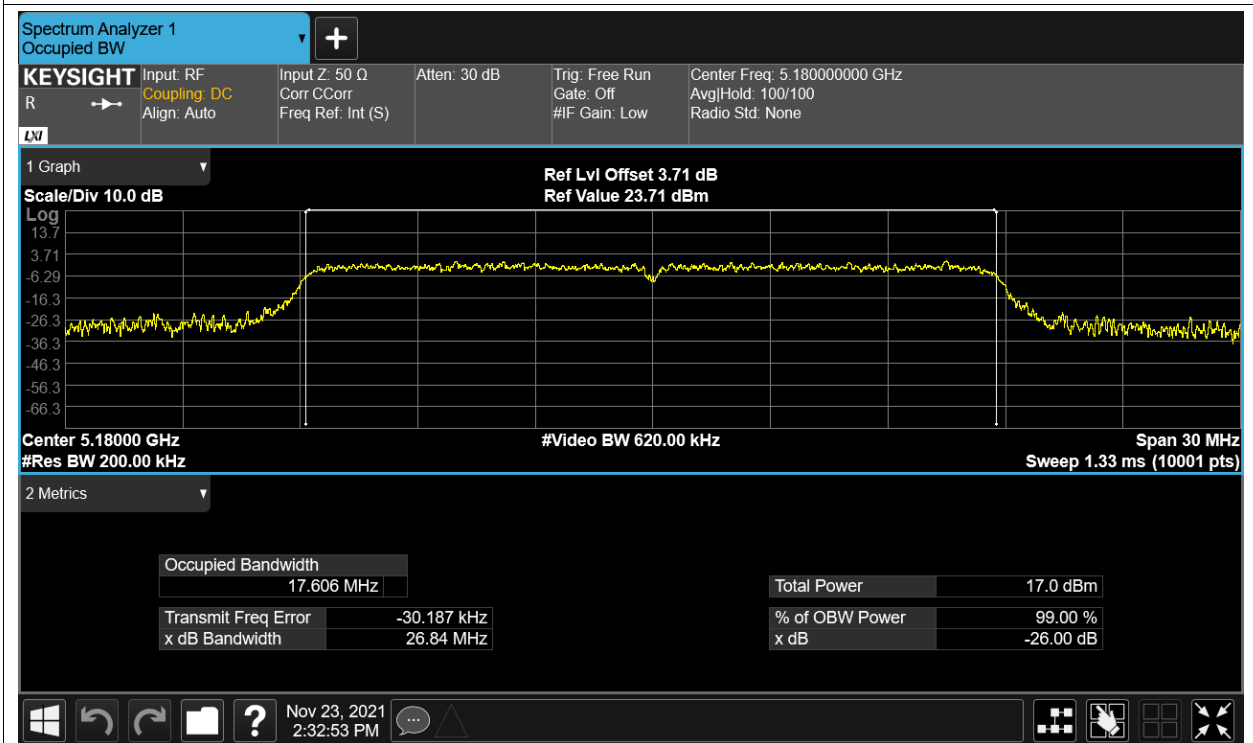
OBW NVNT ac40 5230MHz Ant1



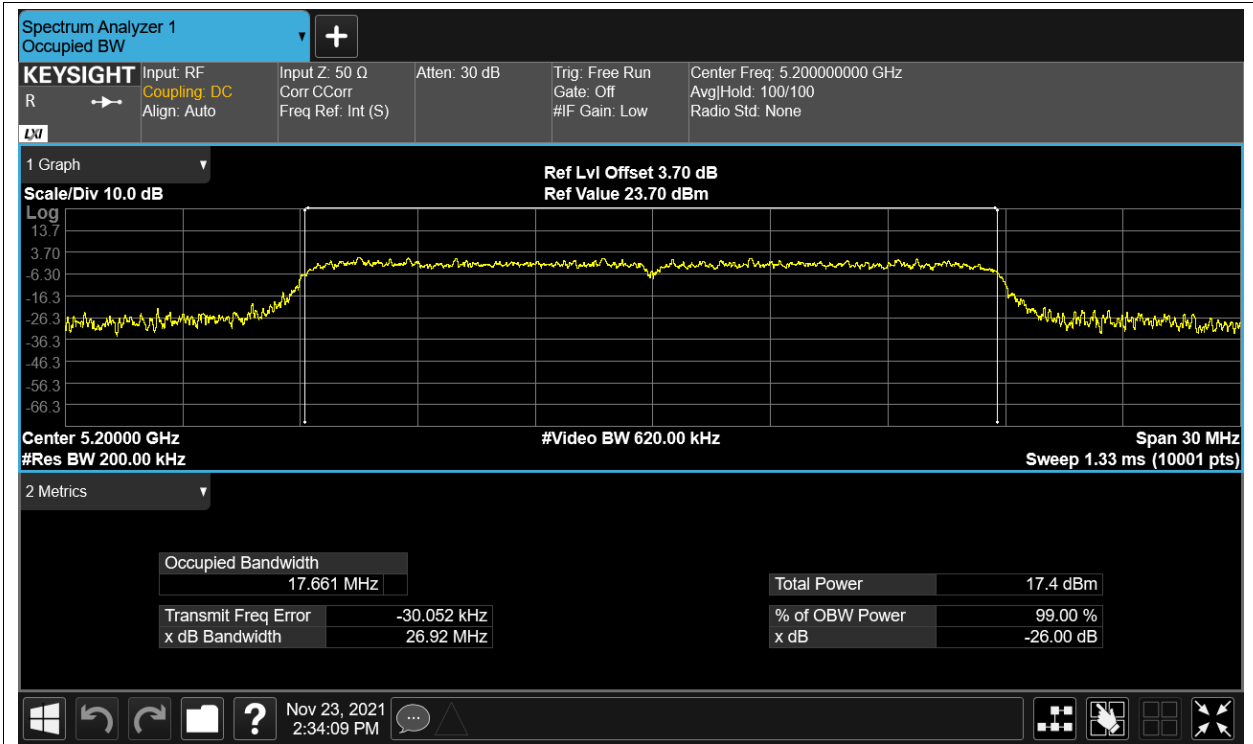
OBW NVNT ac80 5210MHz Ant1



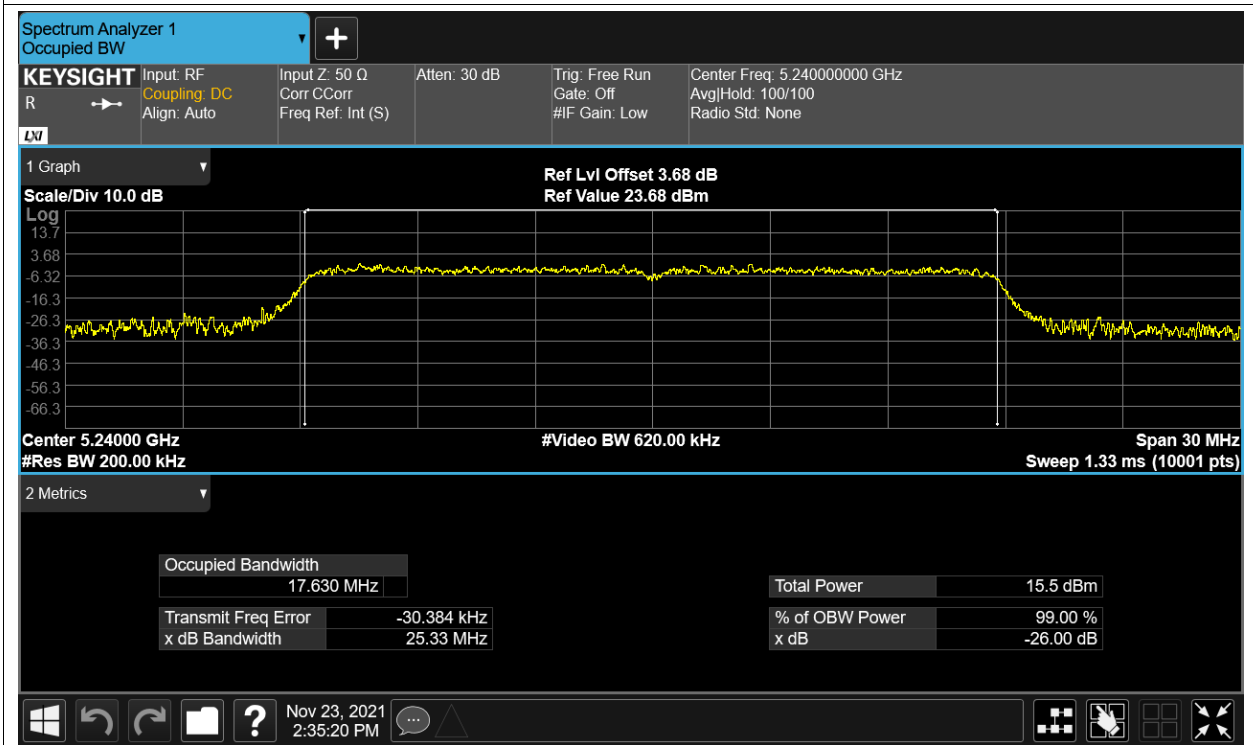
OBW NVNT n20 5180MHz Ant1



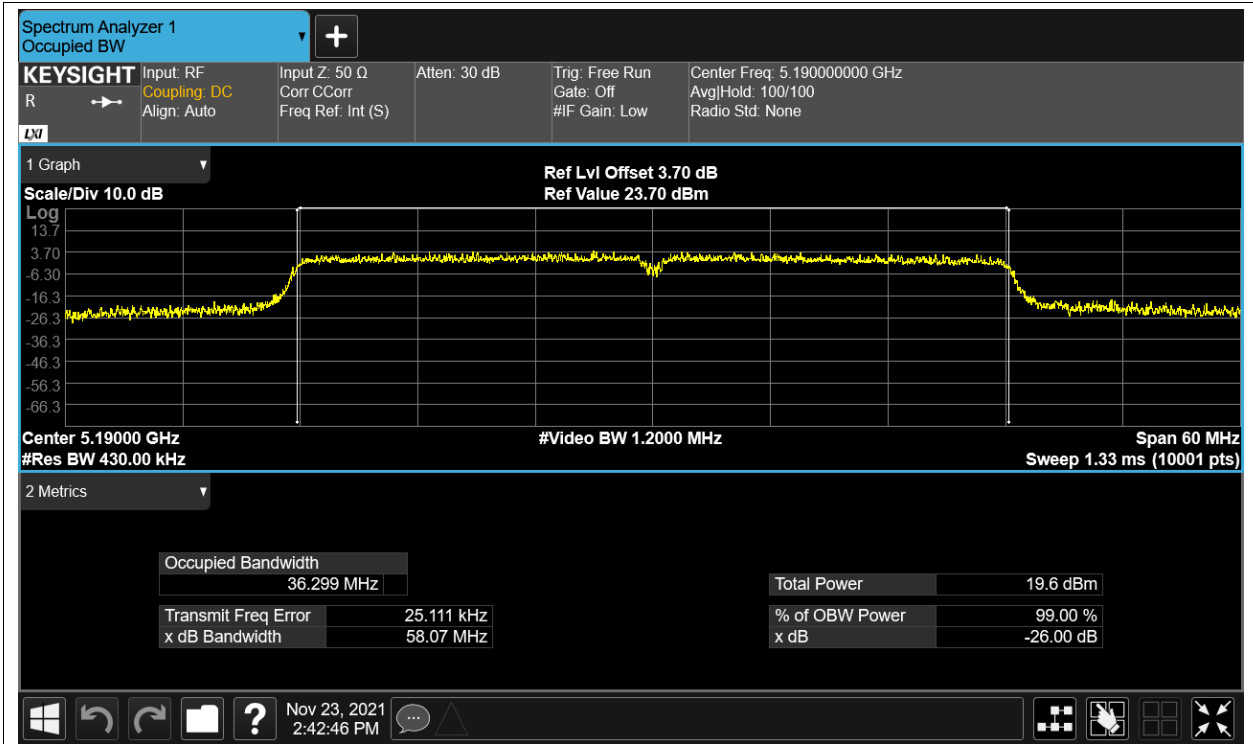
OBW NVNT n20 5200MHz Ant1



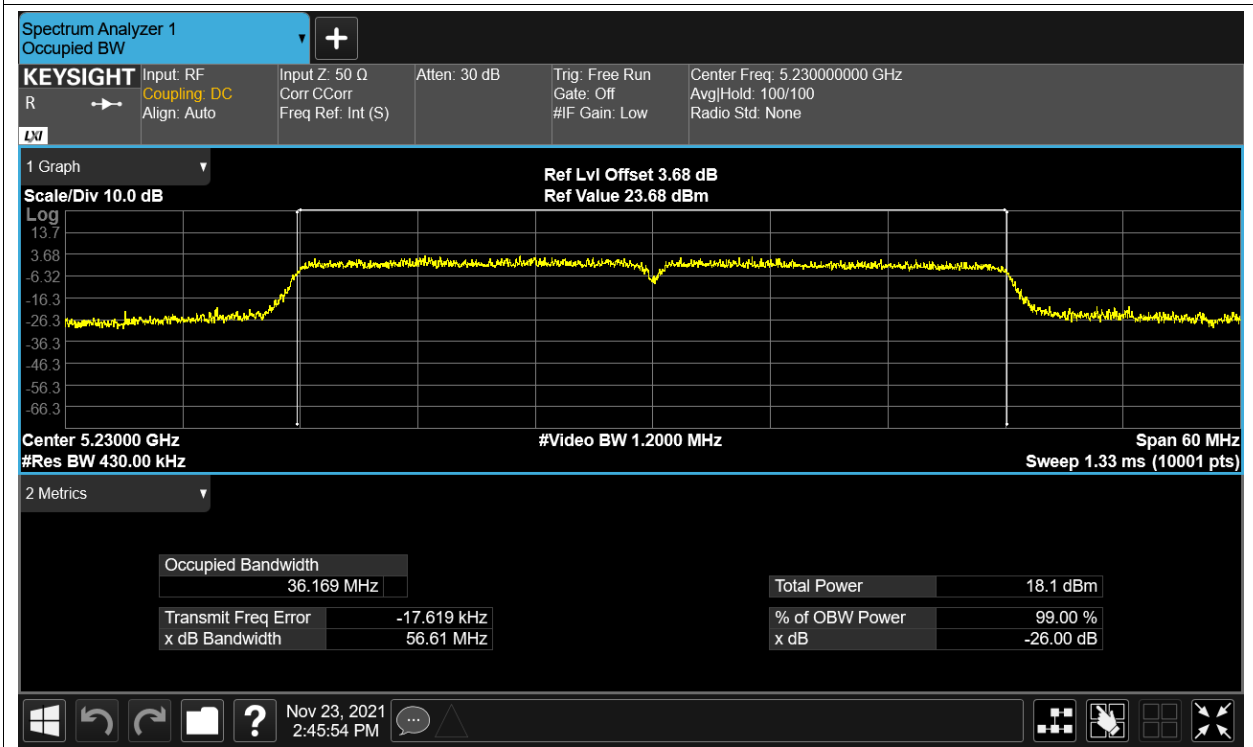
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

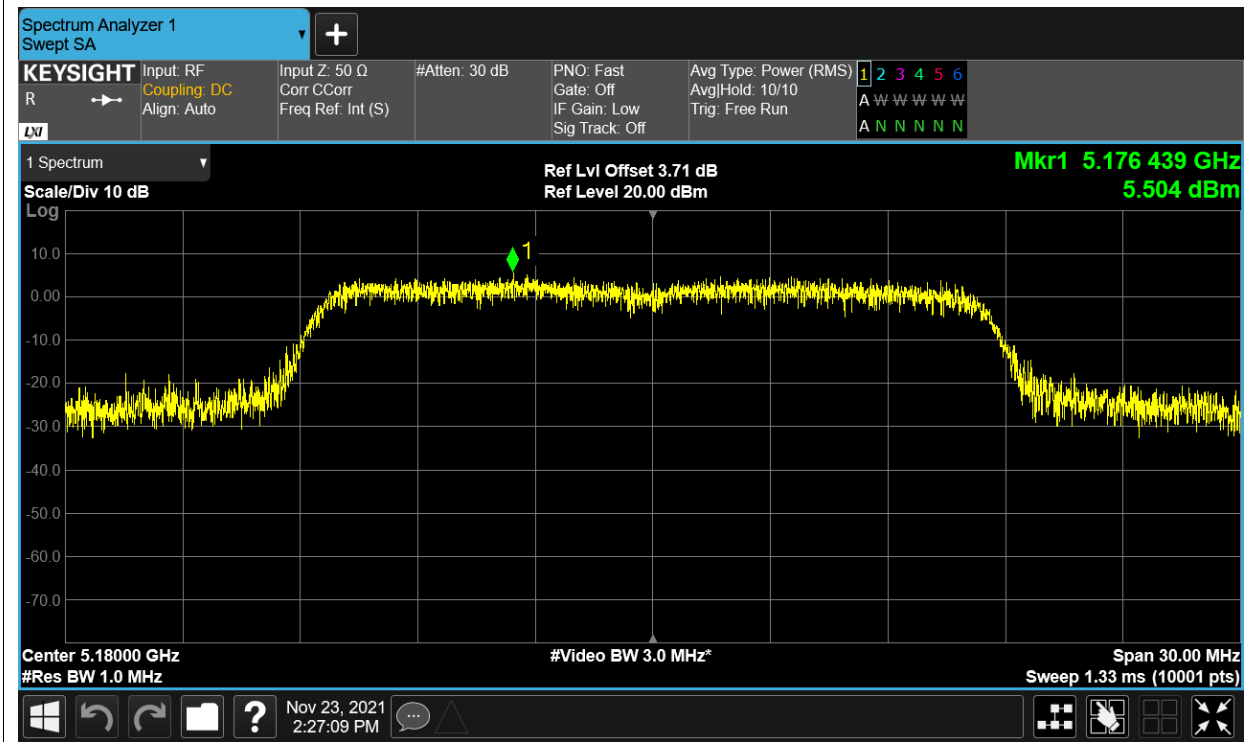


Maximum Power Spectral Density Level

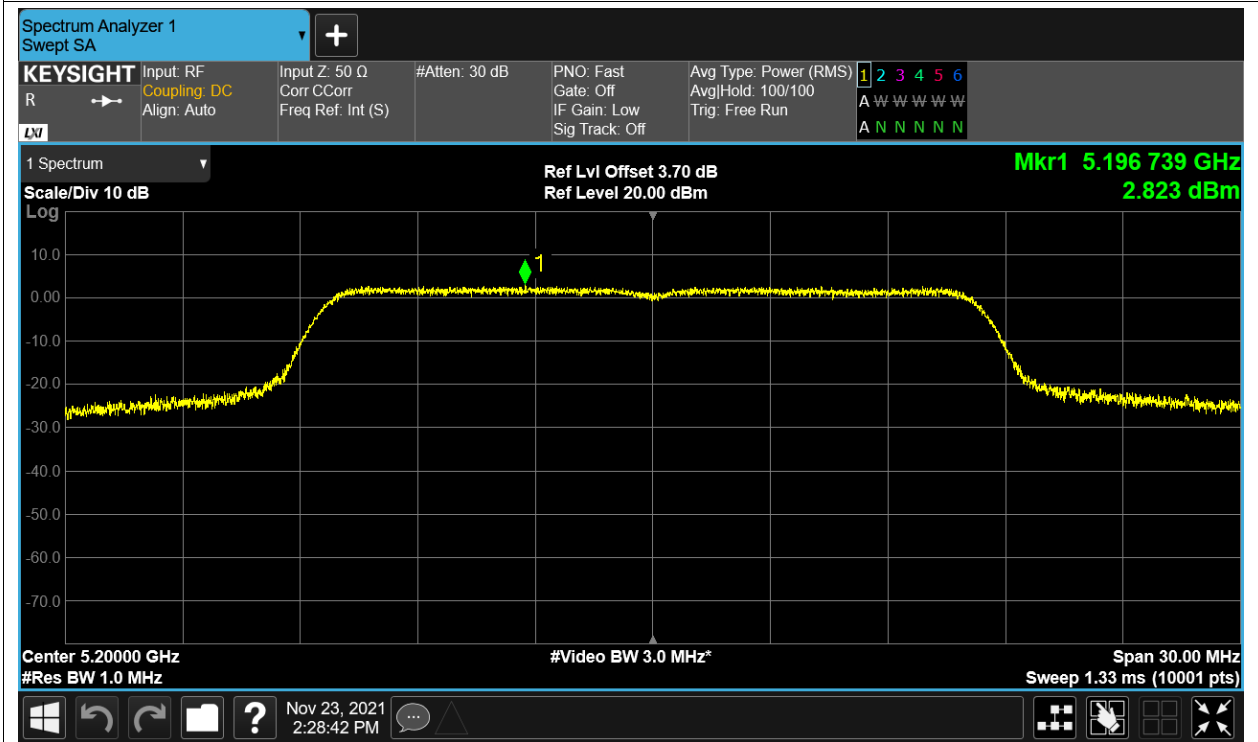
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	5.504	11	Pass
NVNT	a	5200	Ant1	2.823	11	Pass
NVNT	a	5240	Ant1	0.586	11	Pass
NVNT	ac20	5180	Ant1	2.41	11	Pass
NVNT	ac20	5200	Ant1	2.191	11	Pass
NVNT	ac20	5240	Ant1	0.911	11	Pass
NVNT	ac40	5190	Ant1	-0.461	11	Pass
NVNT	ac40	5230	Ant1	-2.008	11	Pass
NVNT	ac80	5210	Ant1	-4.102	11	Pass
NVNT	n20	5180	Ant1	0.307	11	Pass
NVNT	n20	5200	Ant1	0.843	11	Pass
NVNT	n20	5240	Ant1	-0.947	11	Pass
NVNT	n40	5190	Ant1	0.209	11	Pass
NVNT	n40	5230	Ant1	-2.017	11	Pass

Test Graphs

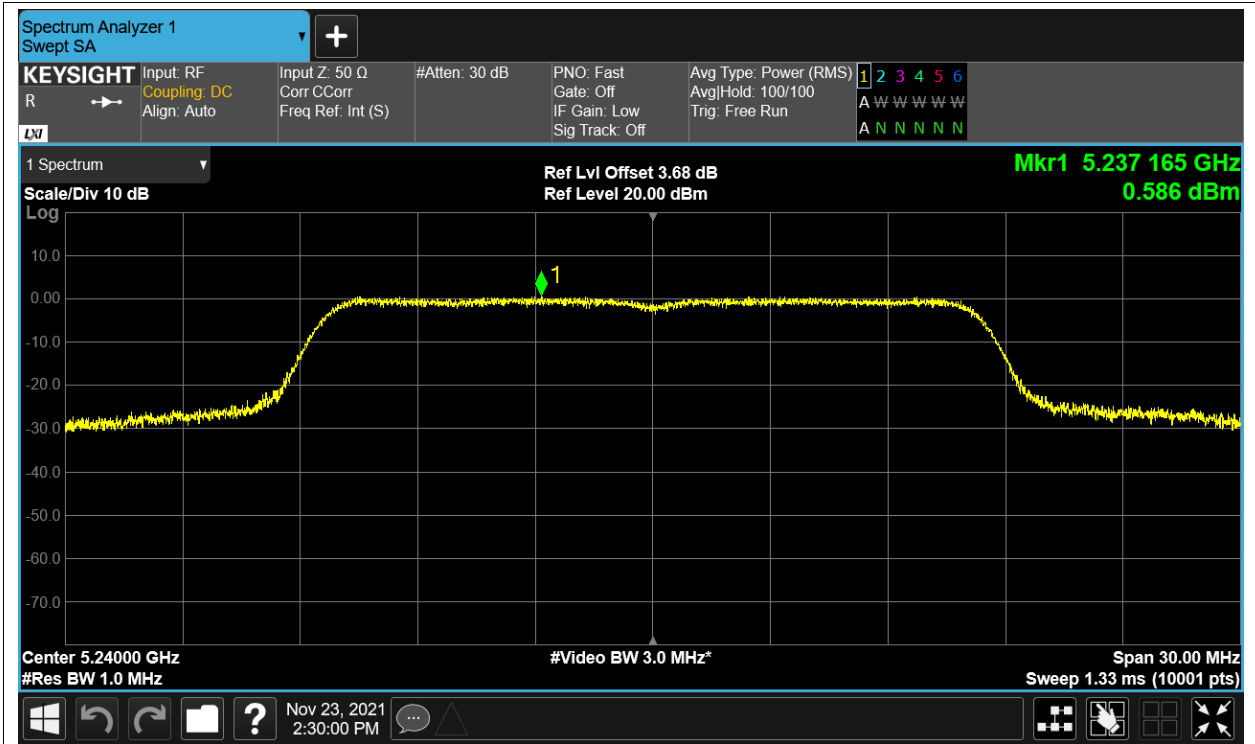
PSD NVNT a 5180MHz Ant1



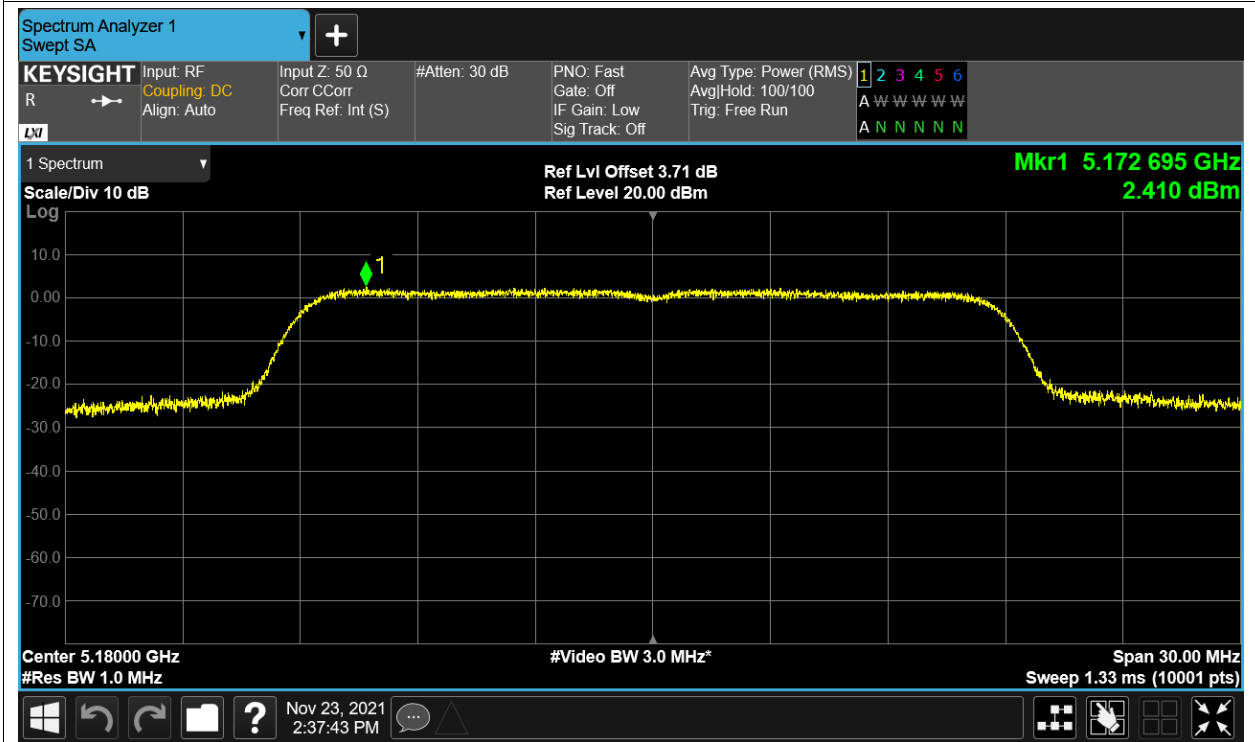
PSD NVNT a 5200MHz Ant1



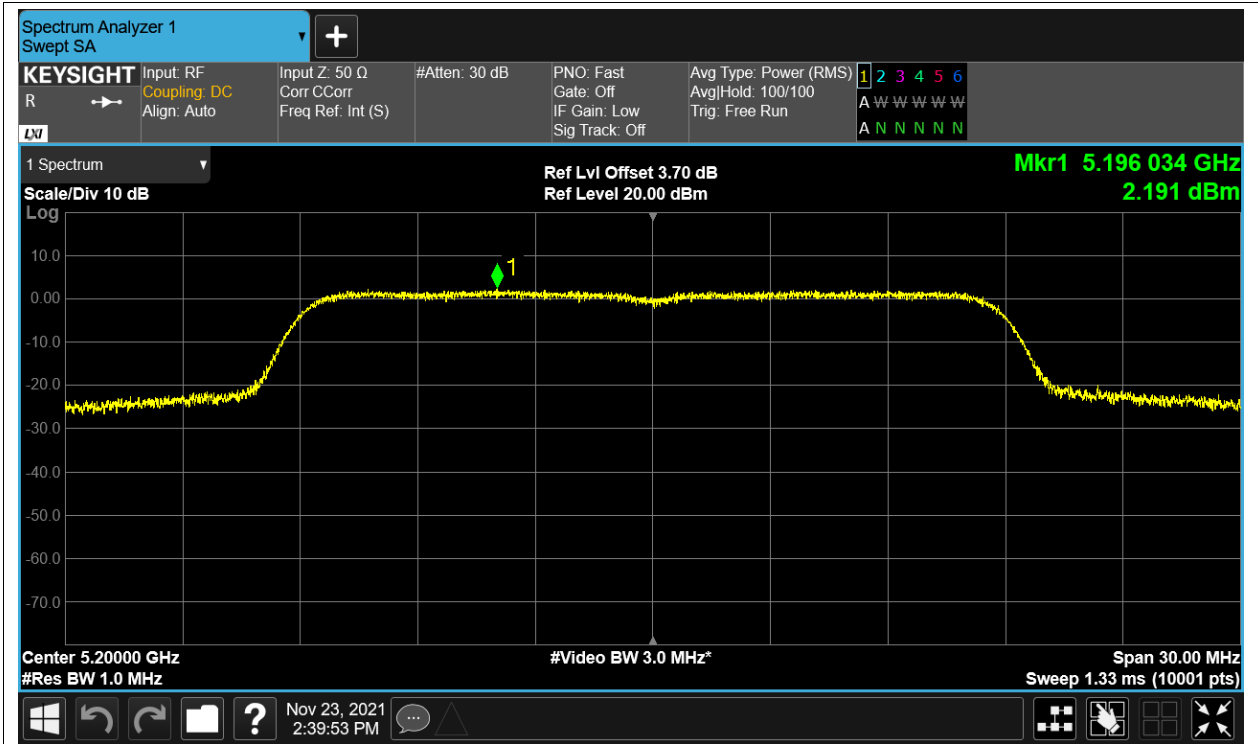
PSD NVNT a 5240MHz Ant1



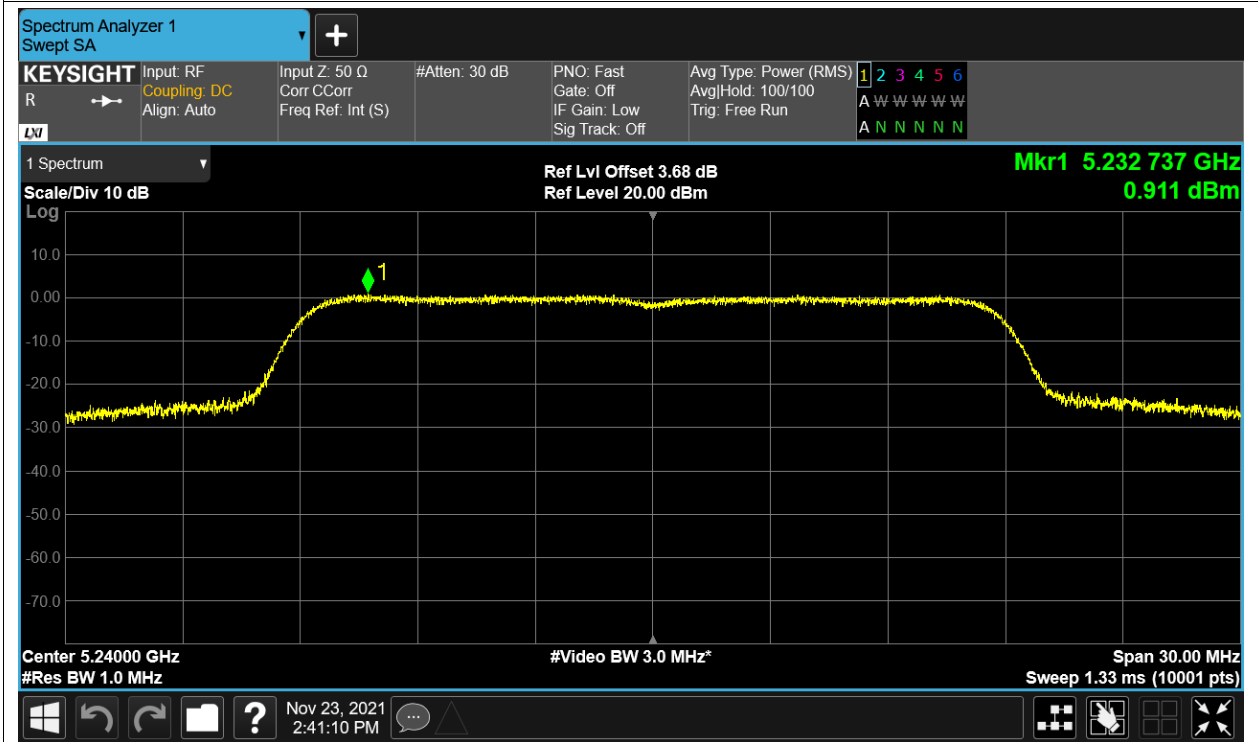
PSD NVNT ac20 5180MHz Ant1



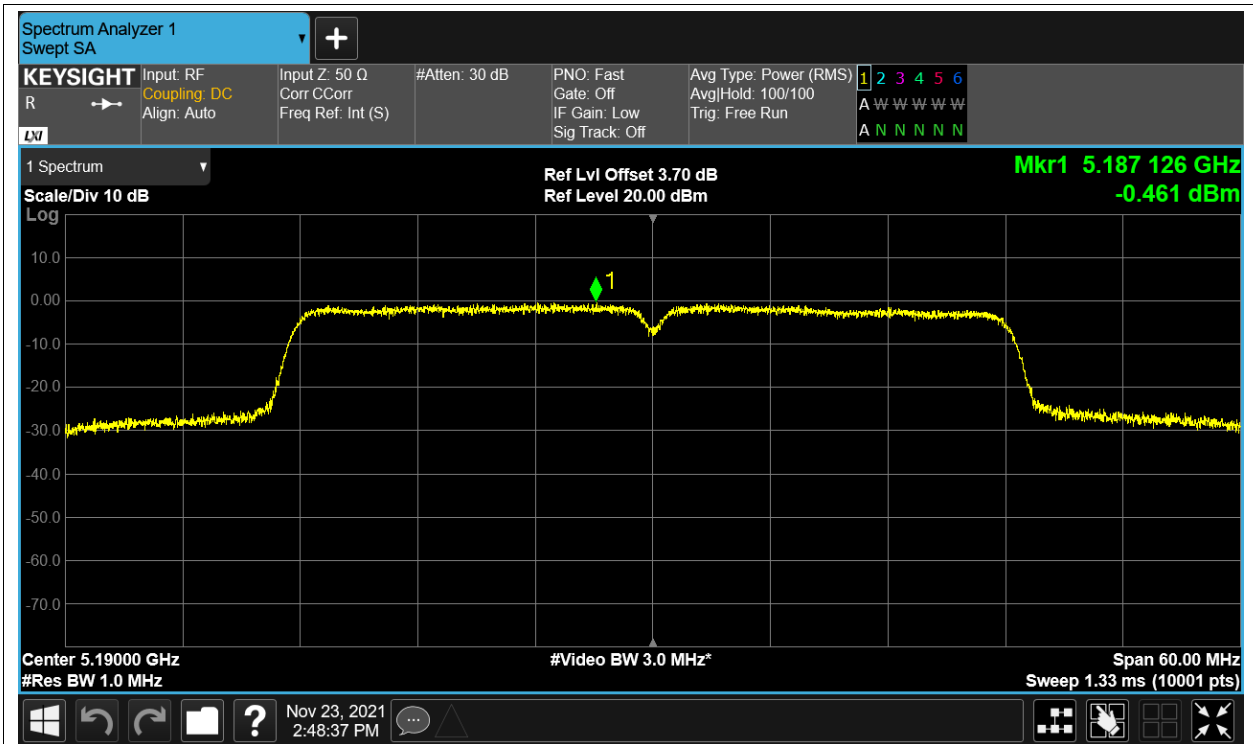
PSD NVNT ac20 5200MHz Ant1



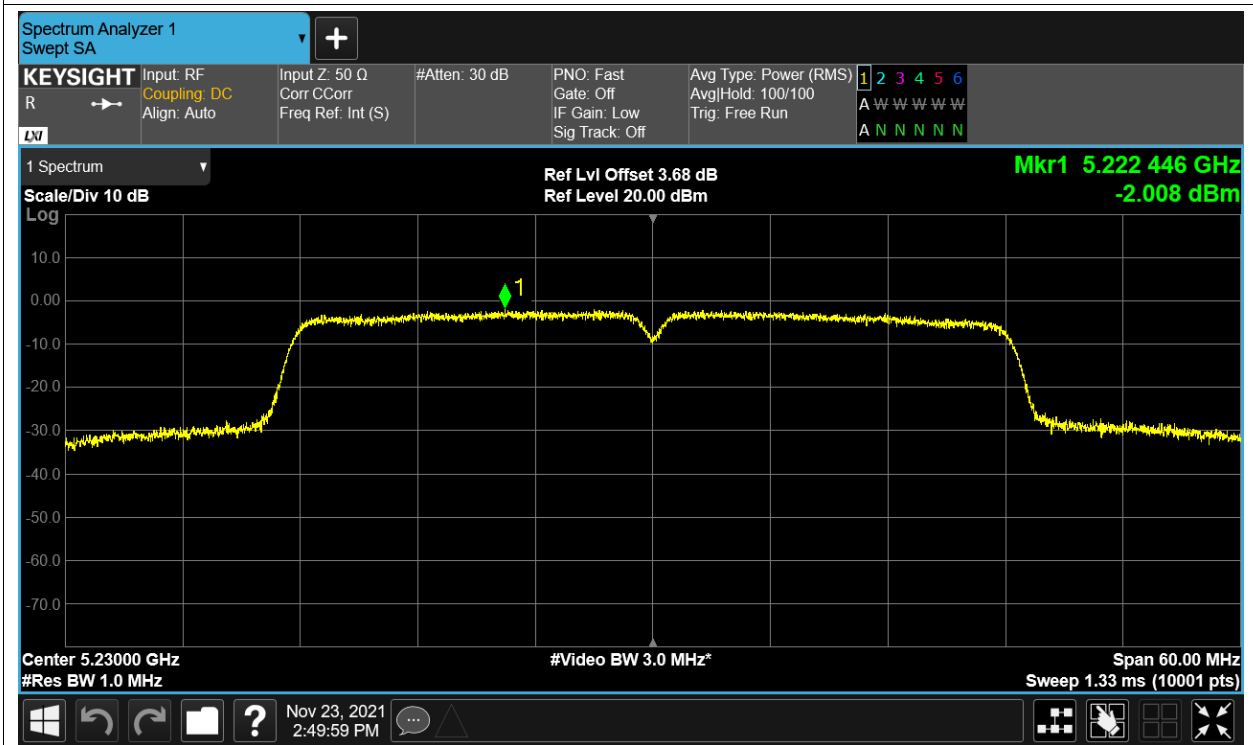
PSD NVNT ac20 5240MHz Ant1



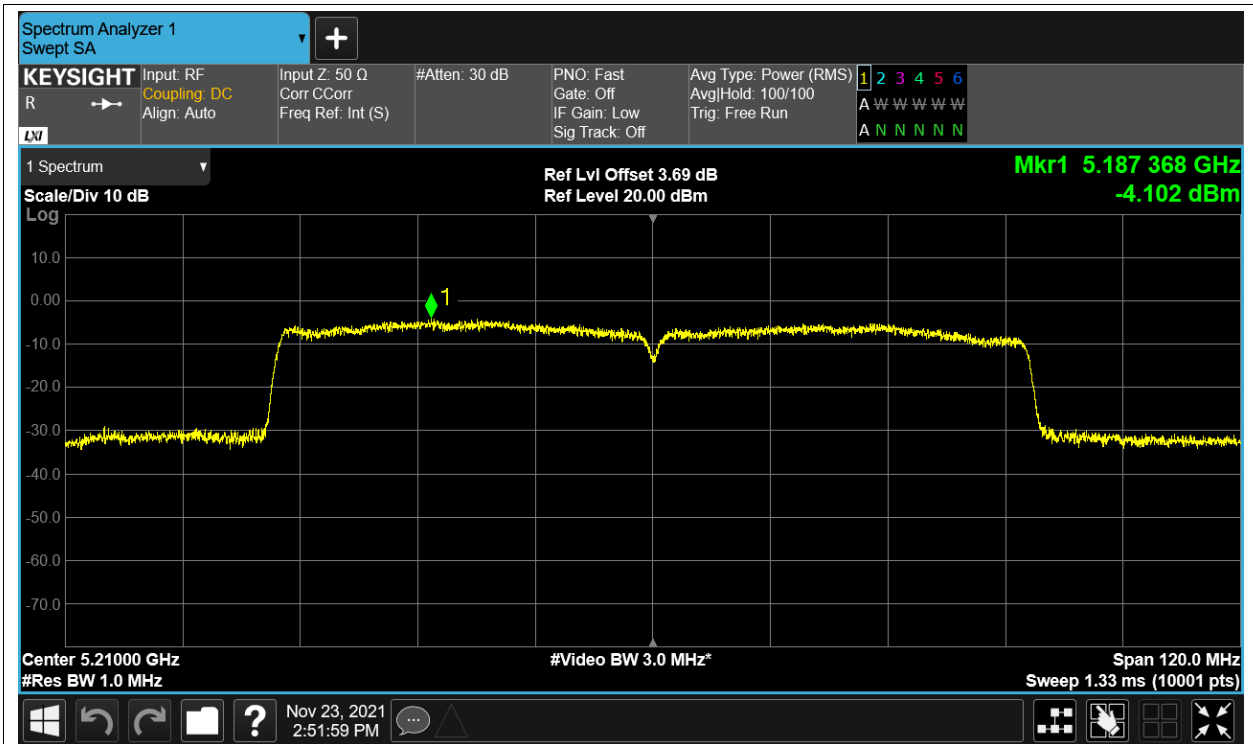
PSD NVNT ac40 5190MHz Ant1



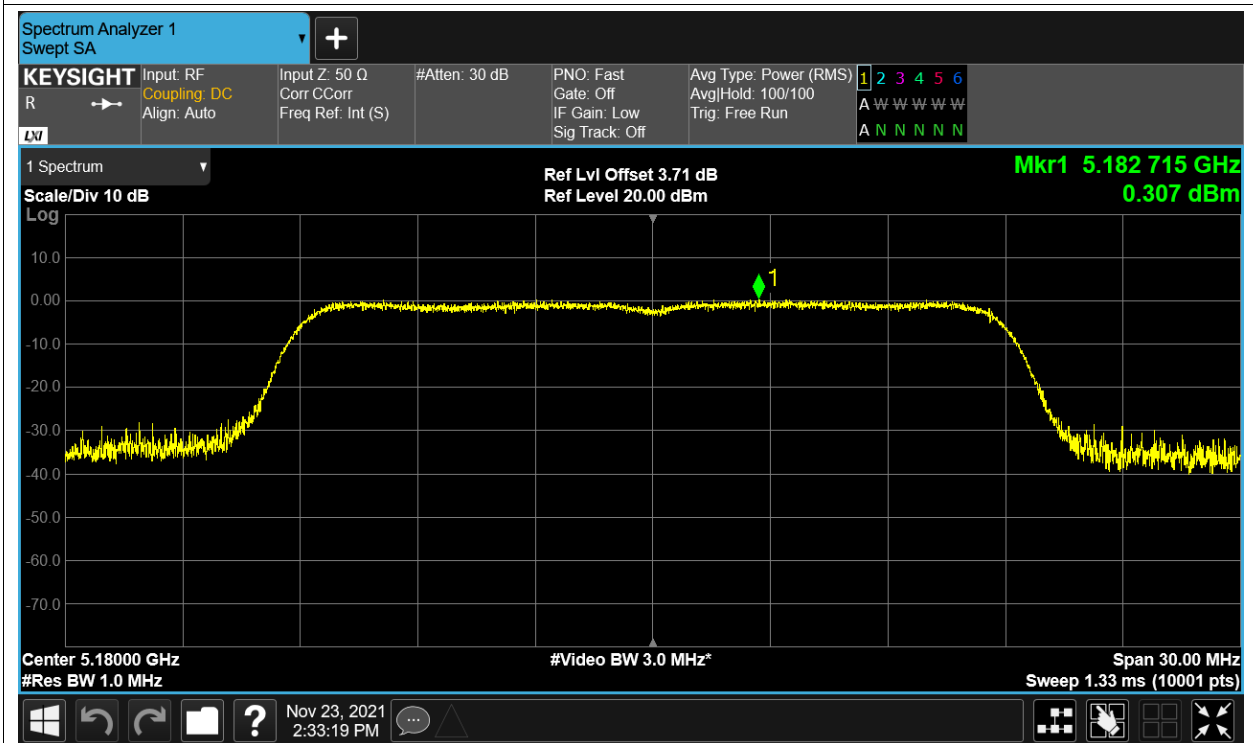
PSD NVNT ac40 5230MHz Ant1



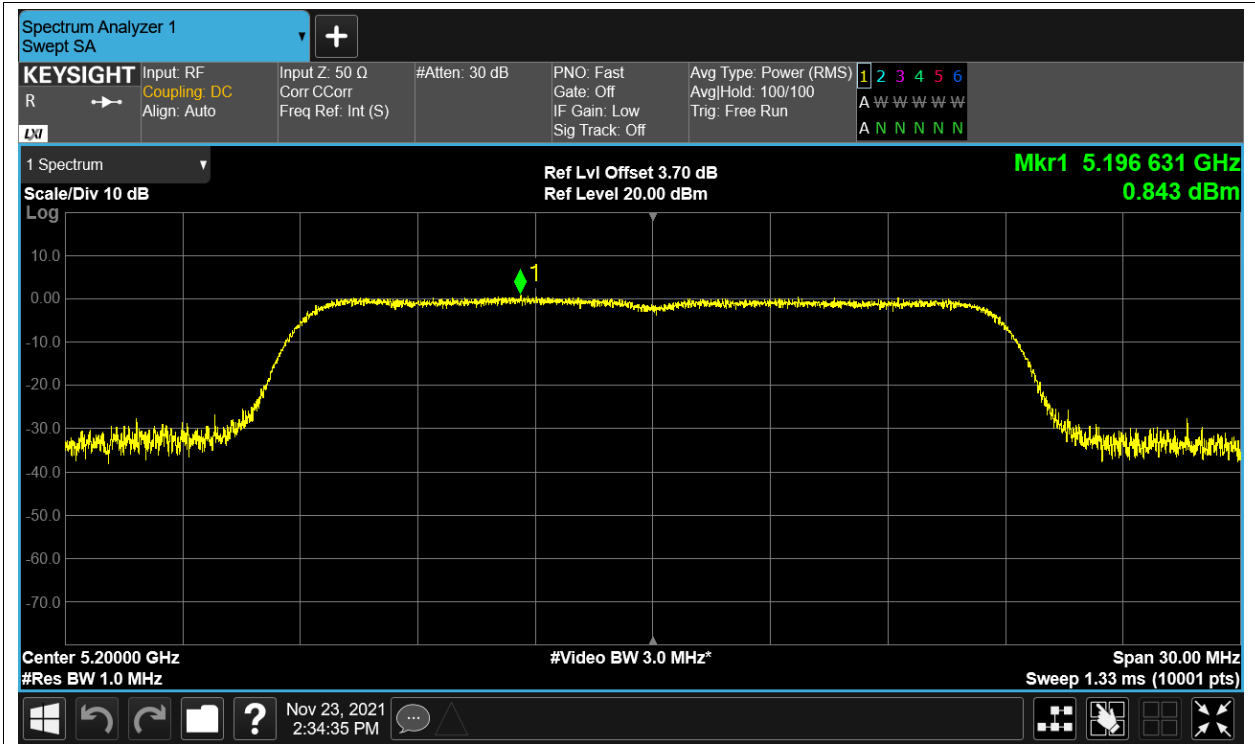
PSD NVNT ac80 5210MHz Ant1



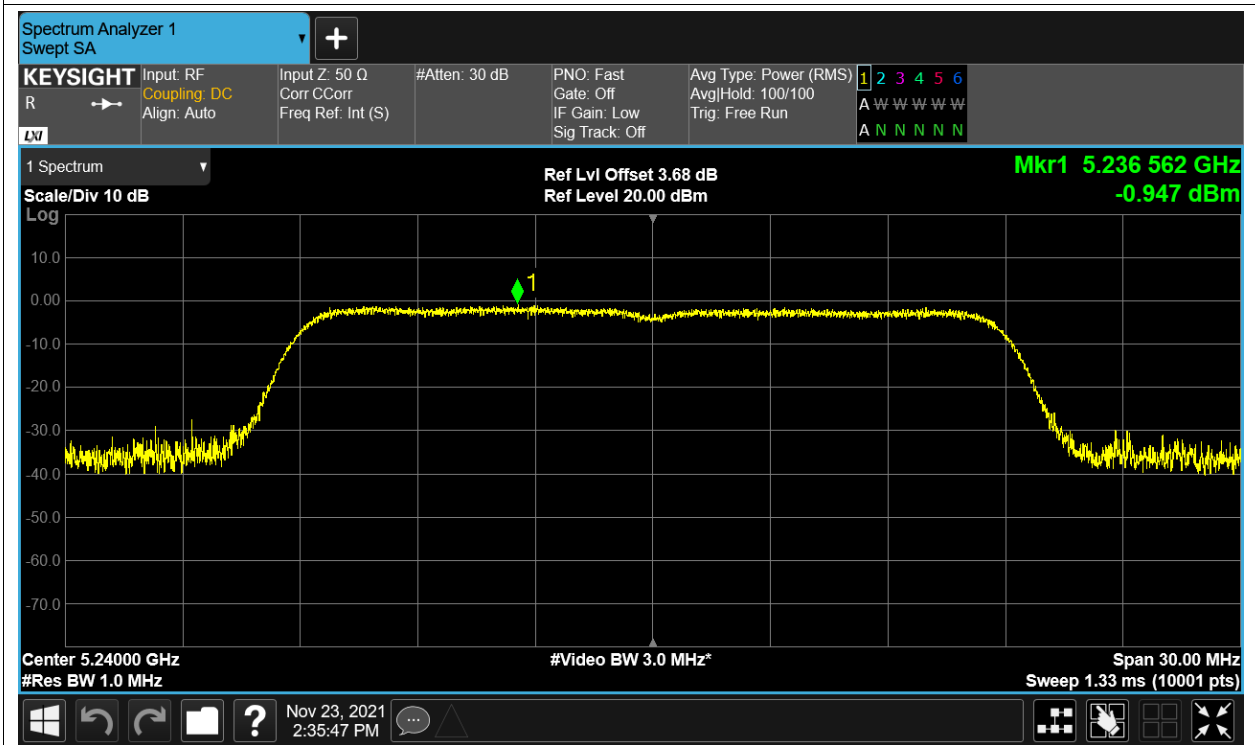
PSD NVNT n20 5180MHz Ant1



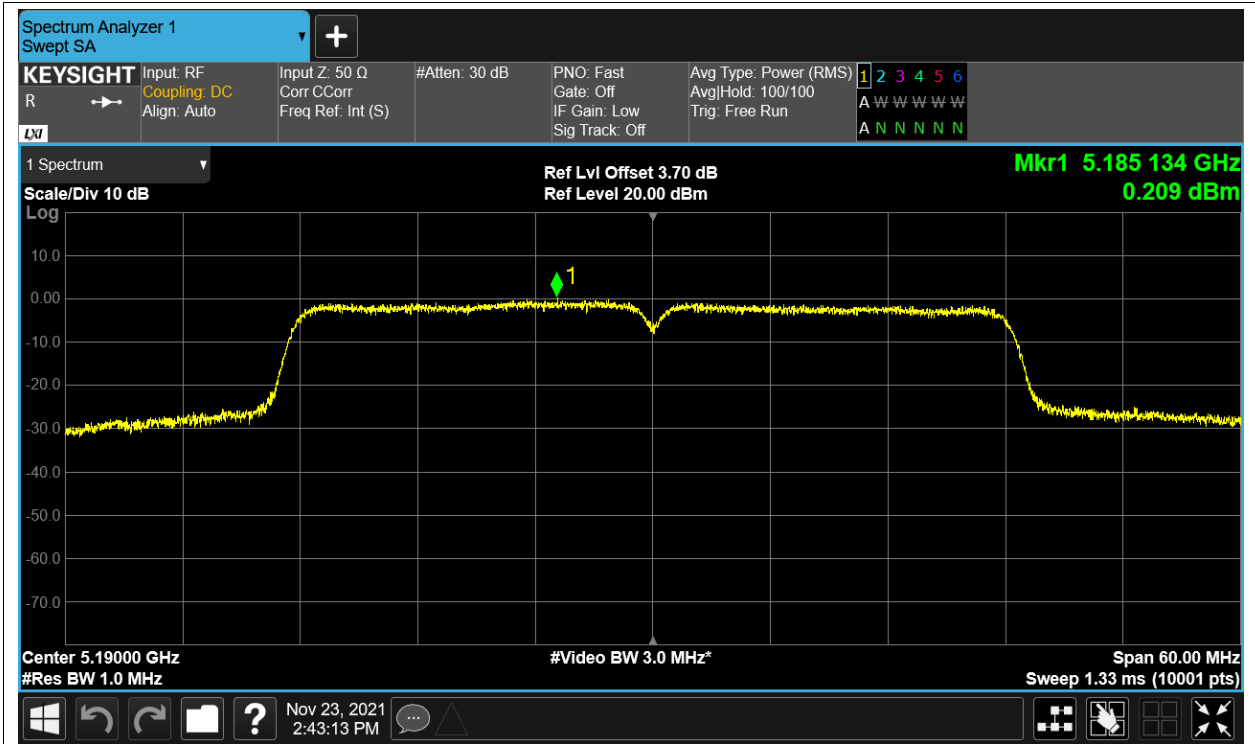
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

