

Test Data

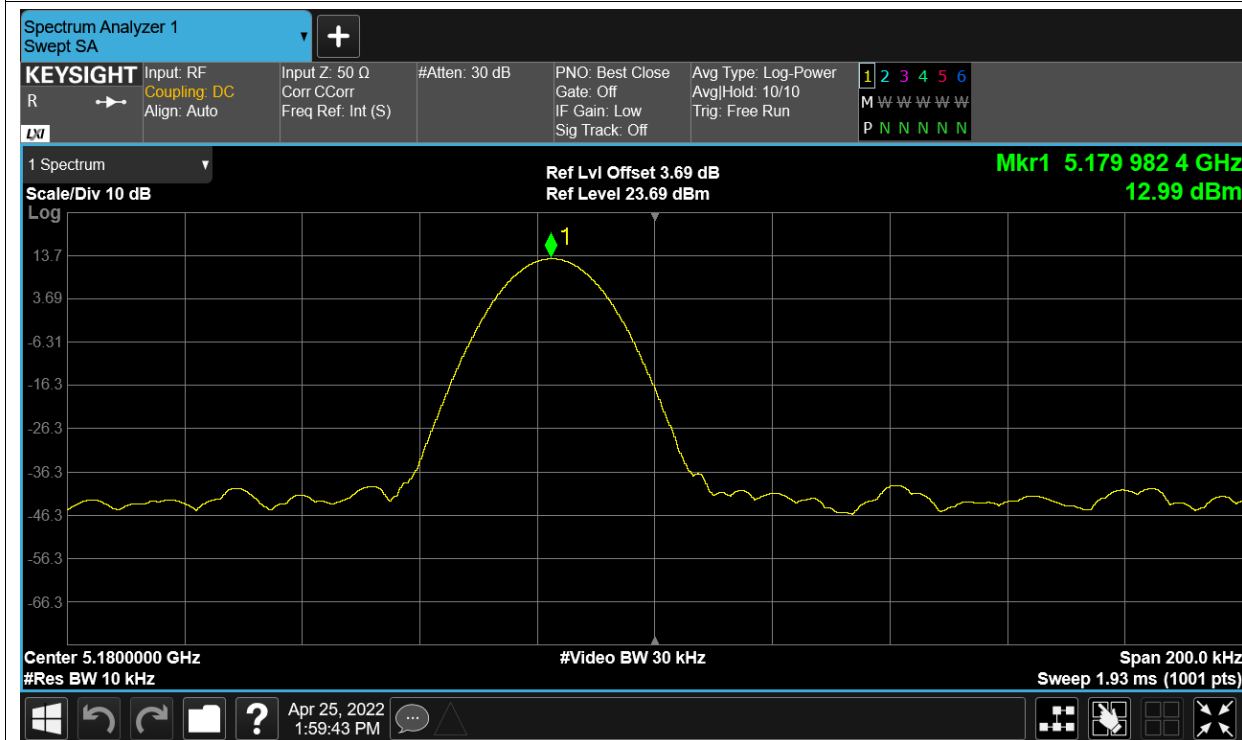
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9824	-3.4	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9822	-3.44		Pass
NVHT	a	5180	Ant1	5179.9826	-3.36		Pass
NVLT	a	5180	Ant1	5179.9828	-3.32		Pass
NVNT	a	5180	Ant1	5179.9854	-2.82		Pass
HVNT	ac80	5210	Ant1	5209.9816	-3.53		Pass
LVNT	ac80	5210	Ant1	5209.9816	-3.53		Pass
NVHT	ac80	5210	Ant1	5209.982	-3.45		Pass
NVLT	ac80	5210	Ant1	5209.9822	-3.42		Pass
NVNT	ac80	5210	Ant1	5209.9826	-3.34		Pass
HVNT	n40	5190	Ant1	5189.9824	-3.39		Pass
LVNT	n40	5190	Ant1	5189.9826	-3.35		Pass
NVHT	n40	5190	Ant1	5189.983	-3.28		Pass
NVLT	n40	5190	Ant1	5189.9832	-3.24		Pass
NVNT	n40	5190	Ant1	5189.9836	-3.16		Pass

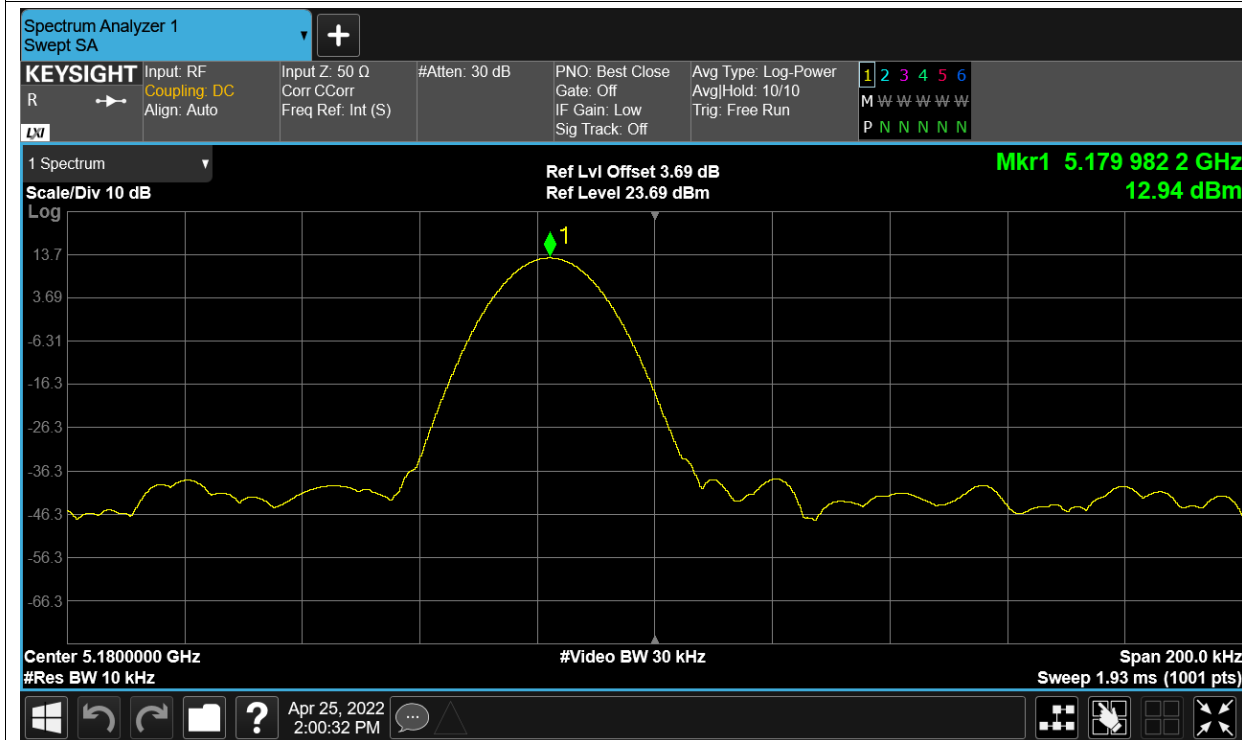
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

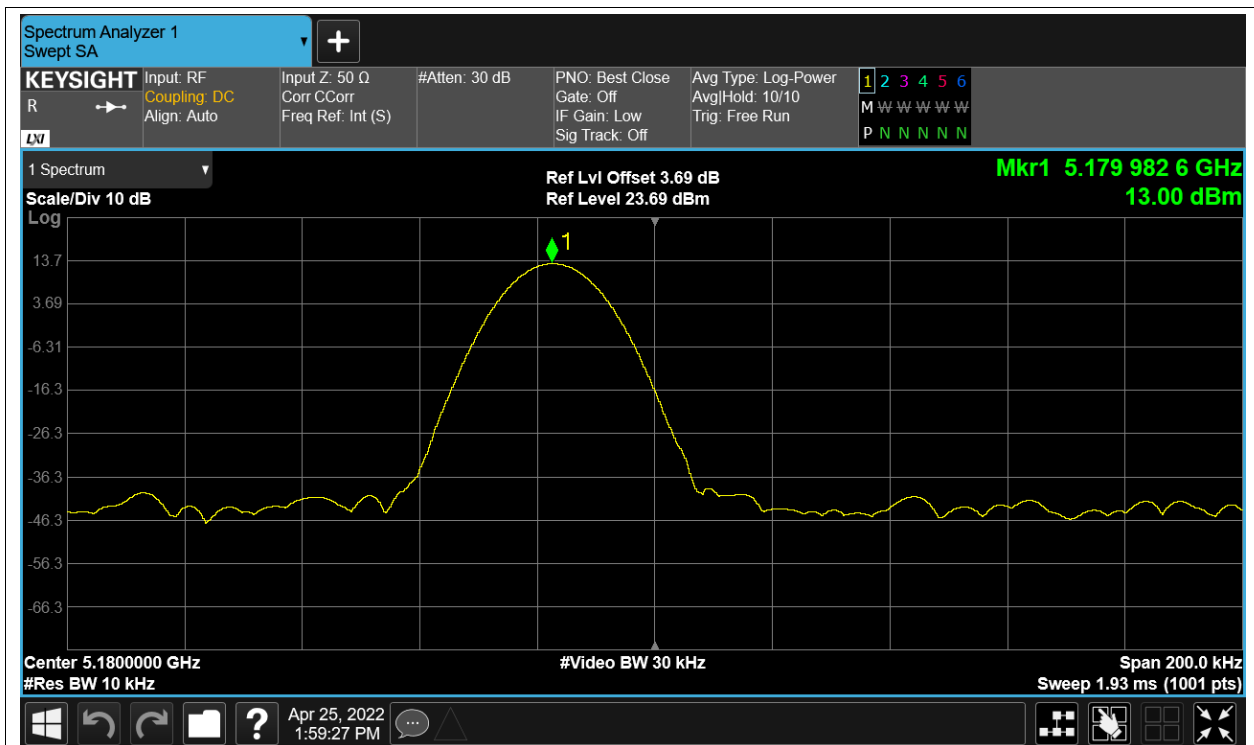
Freq. Stability HVNT a 5180MHz Ant1



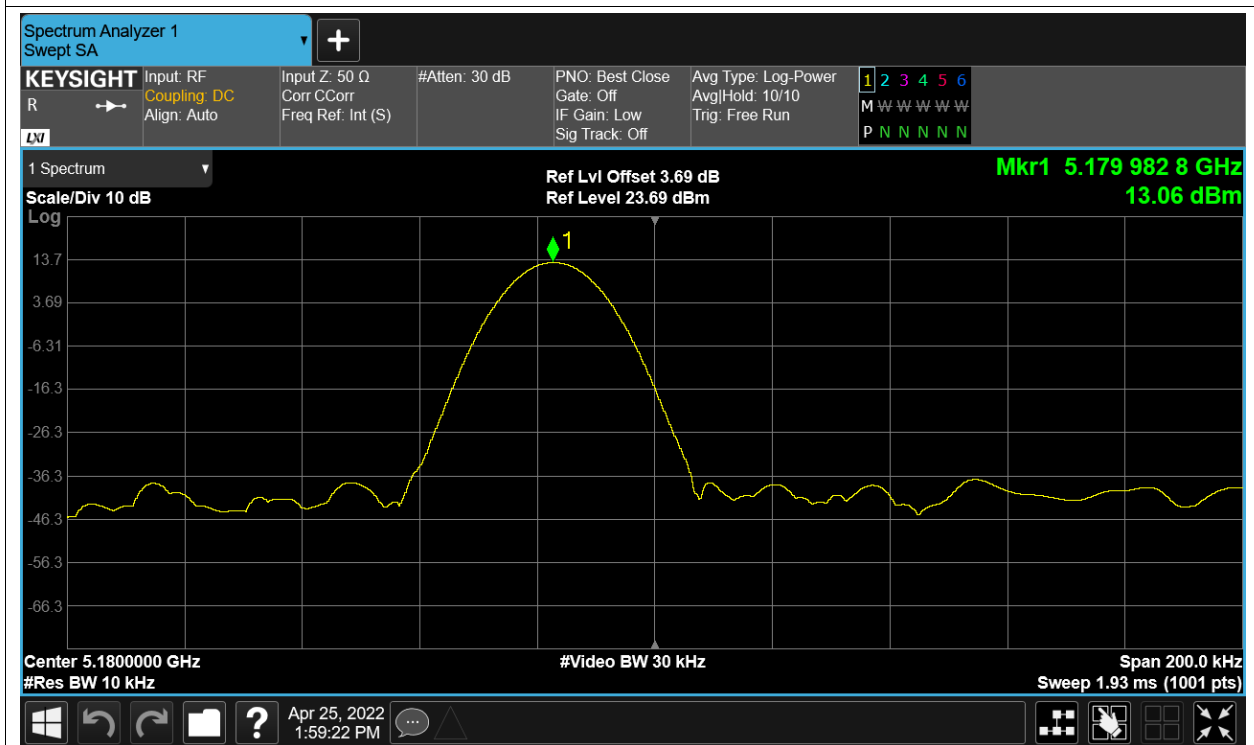
Freq. Stability LVNT a 5180MHz Ant1



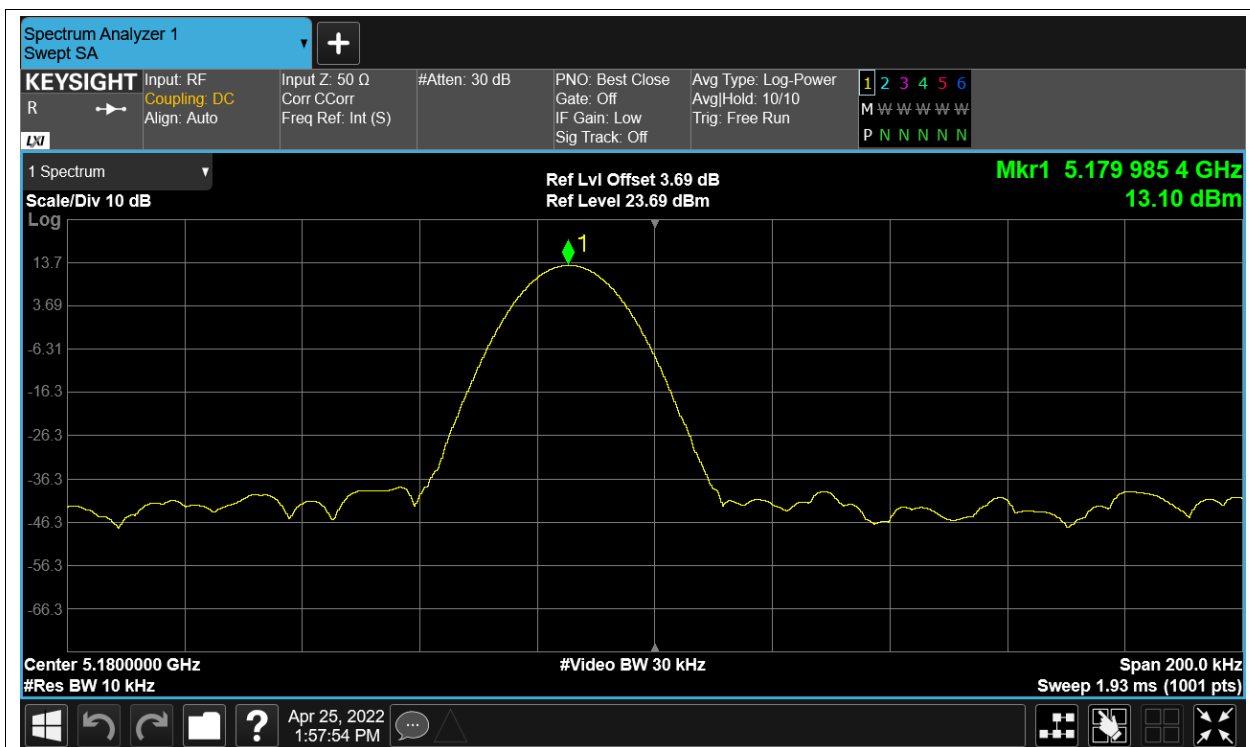
Freq. Stability NVHT a 5180MHz Ant1



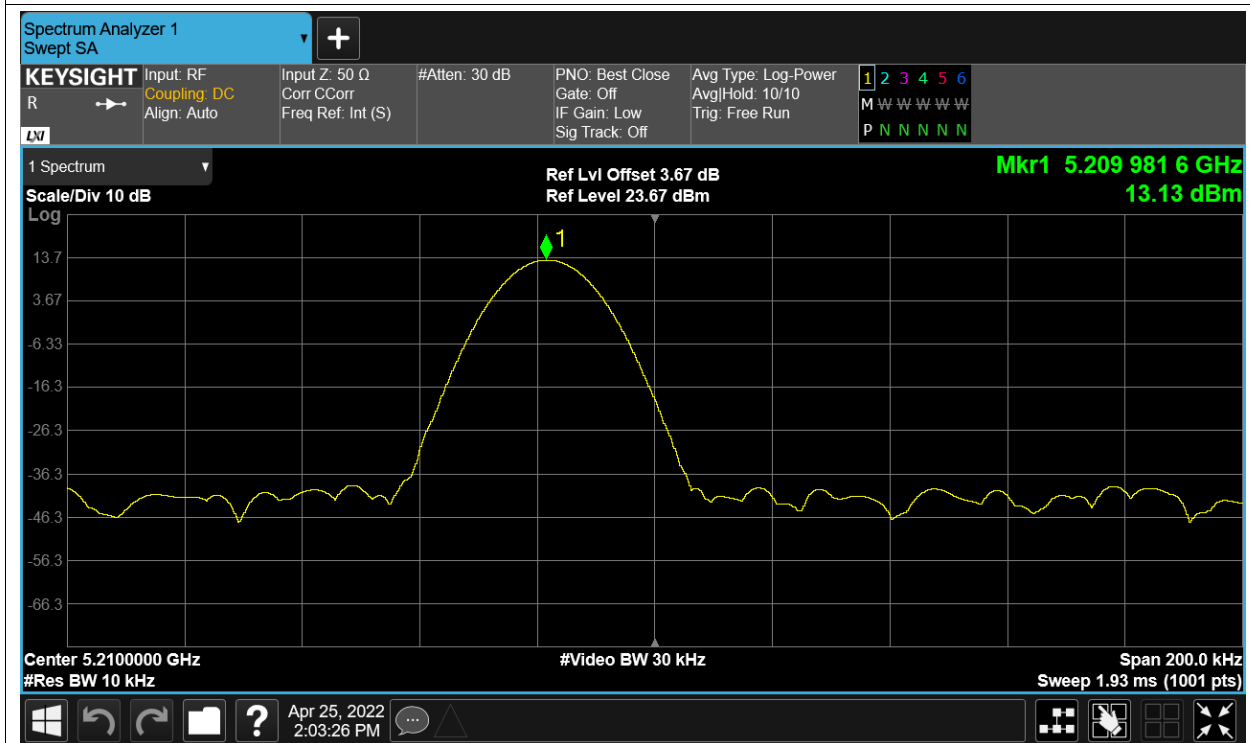
Freq. Stability NVLT a 5180MHz Ant1



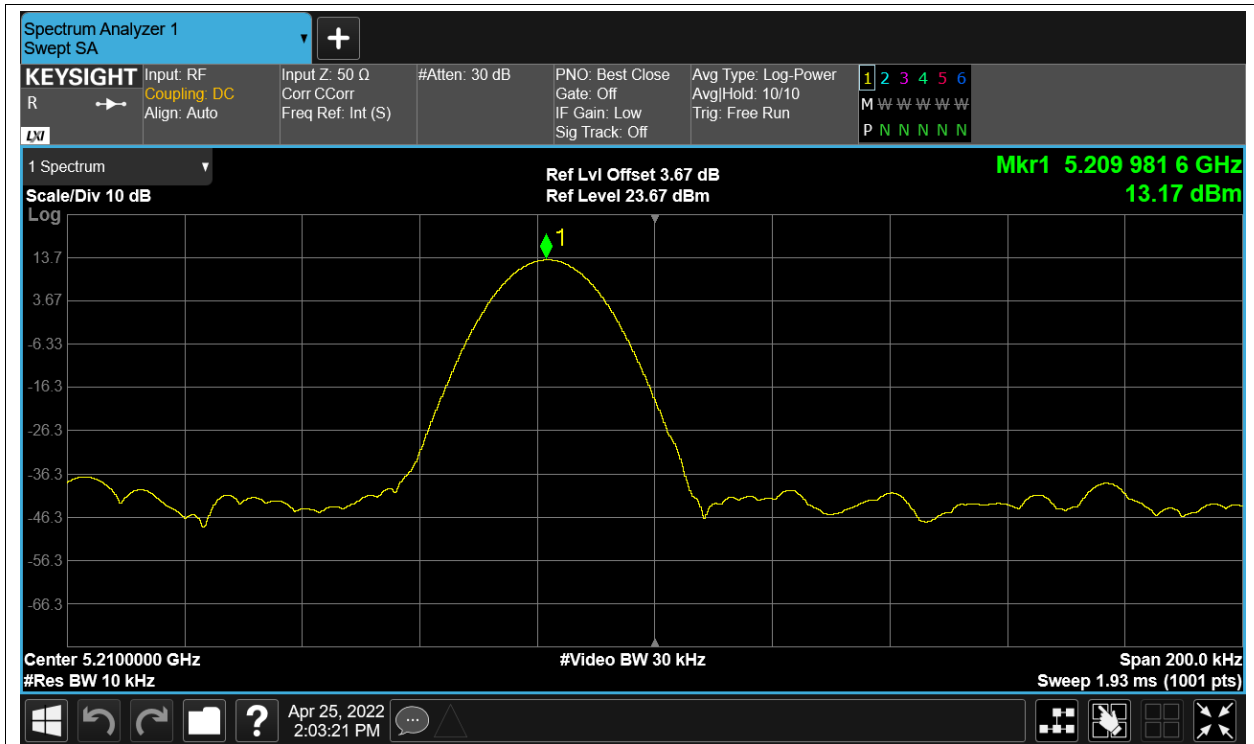
Freq. Stability NVNT a 5180MHz Ant1



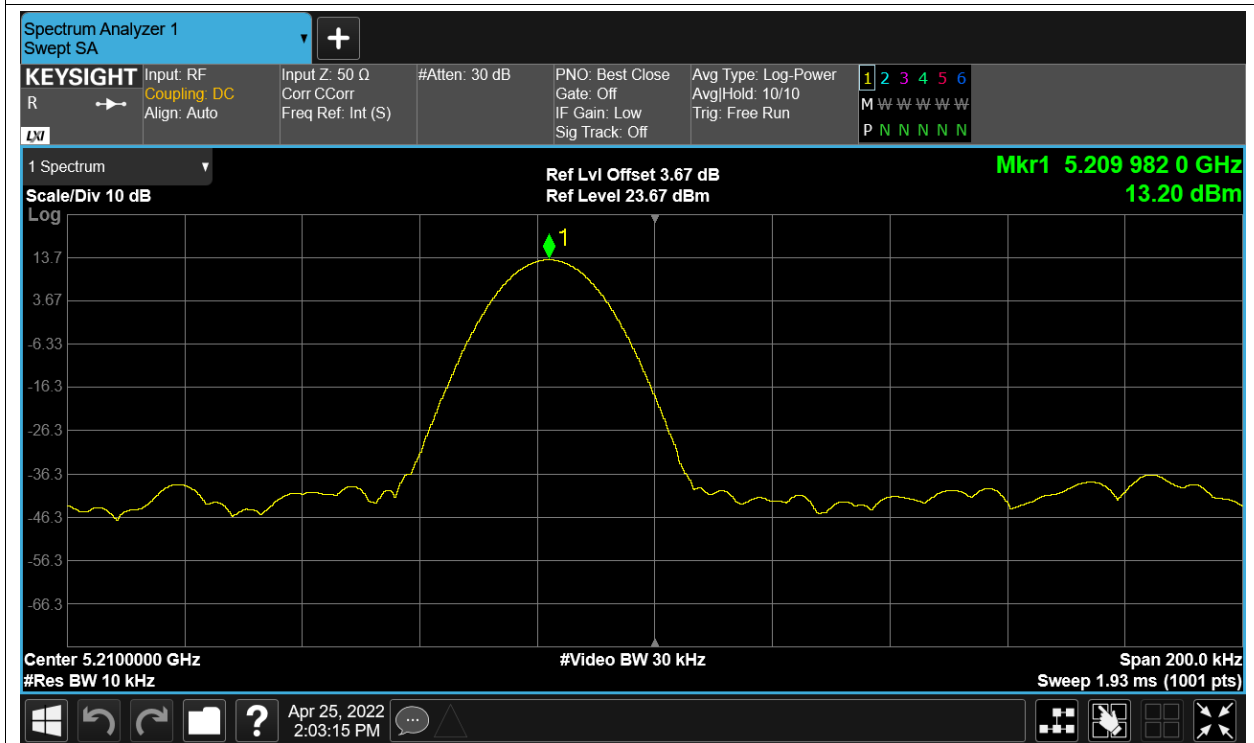
Freq. Stability HVNT ac80 5210MHz Ant1



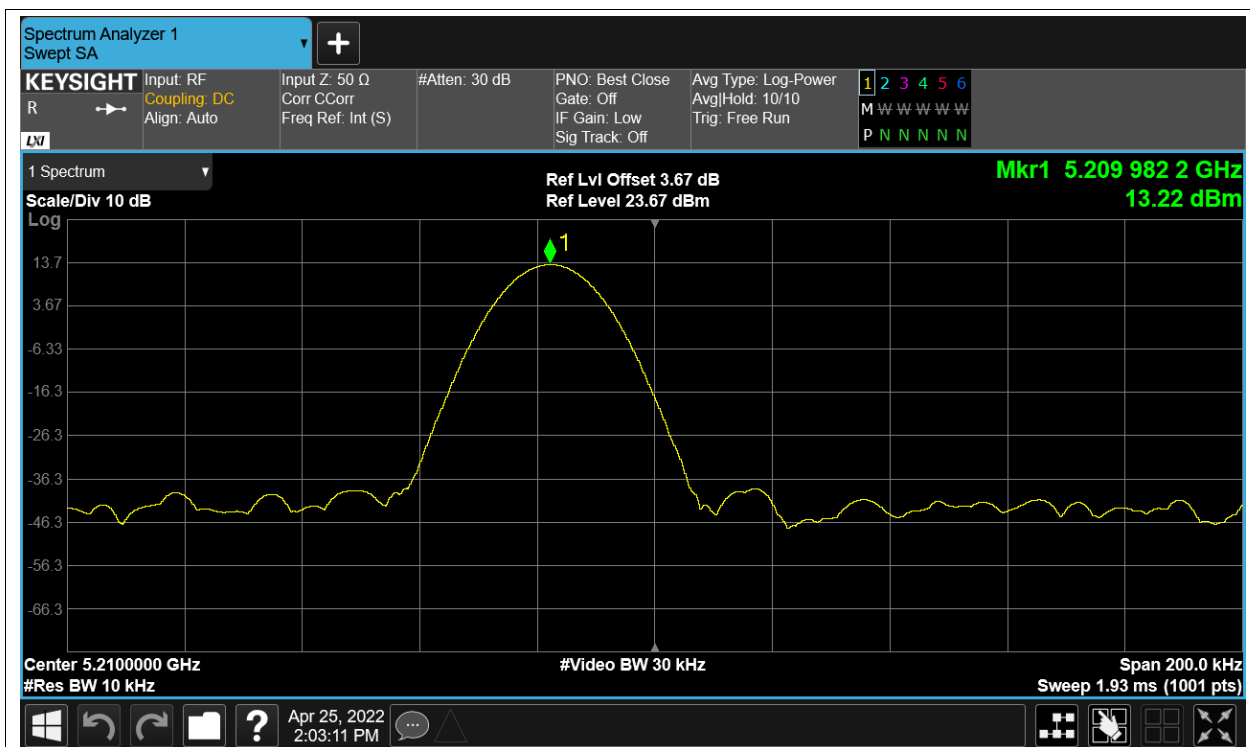
Freq. Stability LVNT ac80 5210MHz Ant1



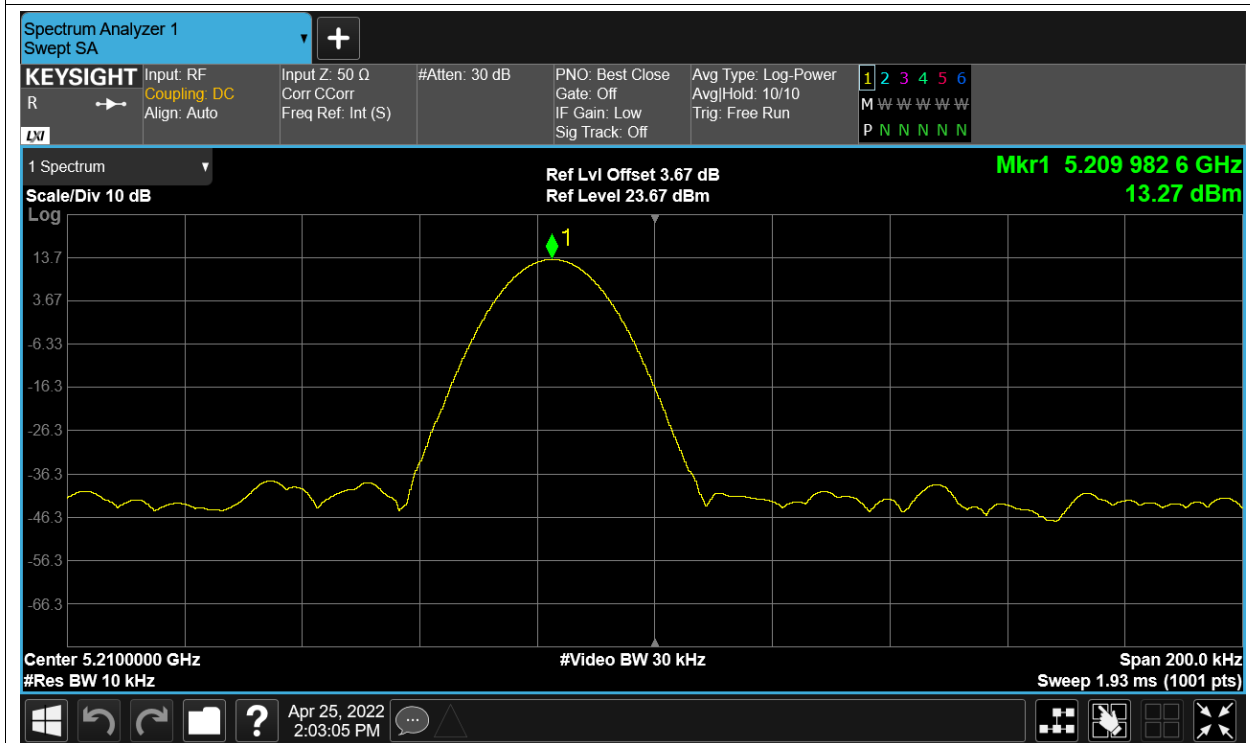
Freq. Stability NVHT ac80 5210MHz Ant1



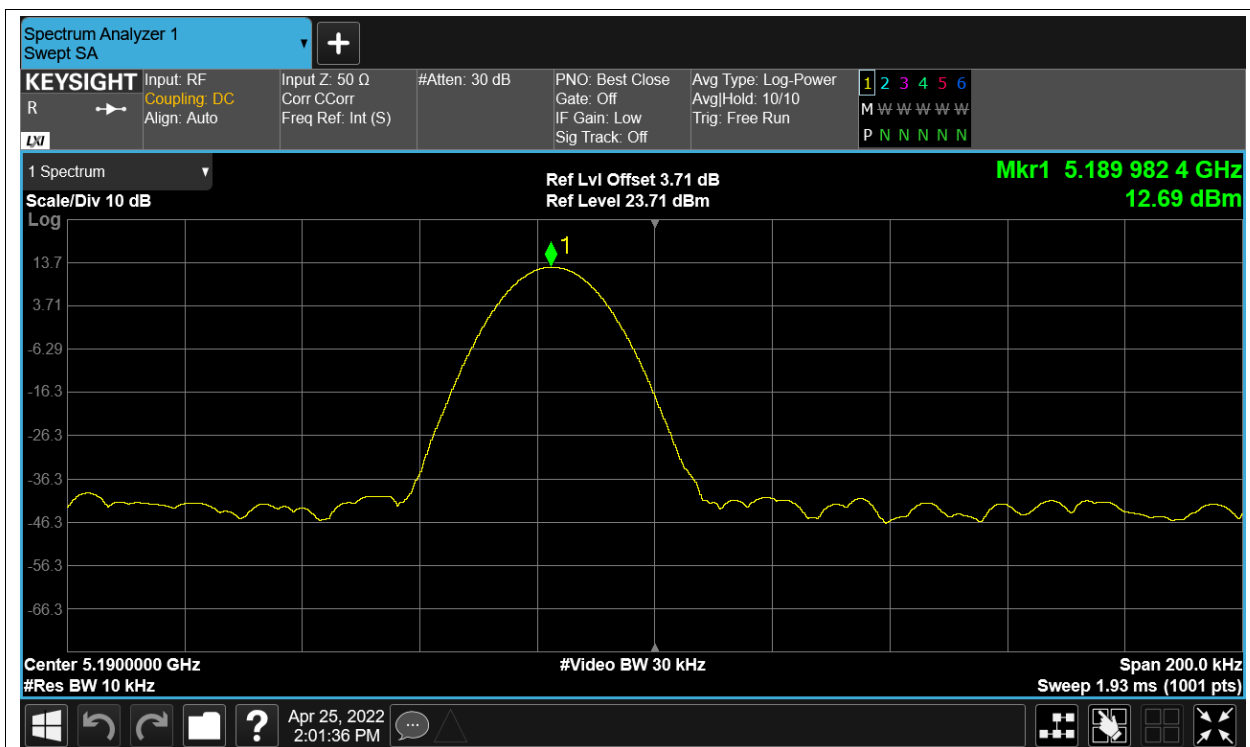
Freq. Stability NVLT ac80 5210MHz Ant1



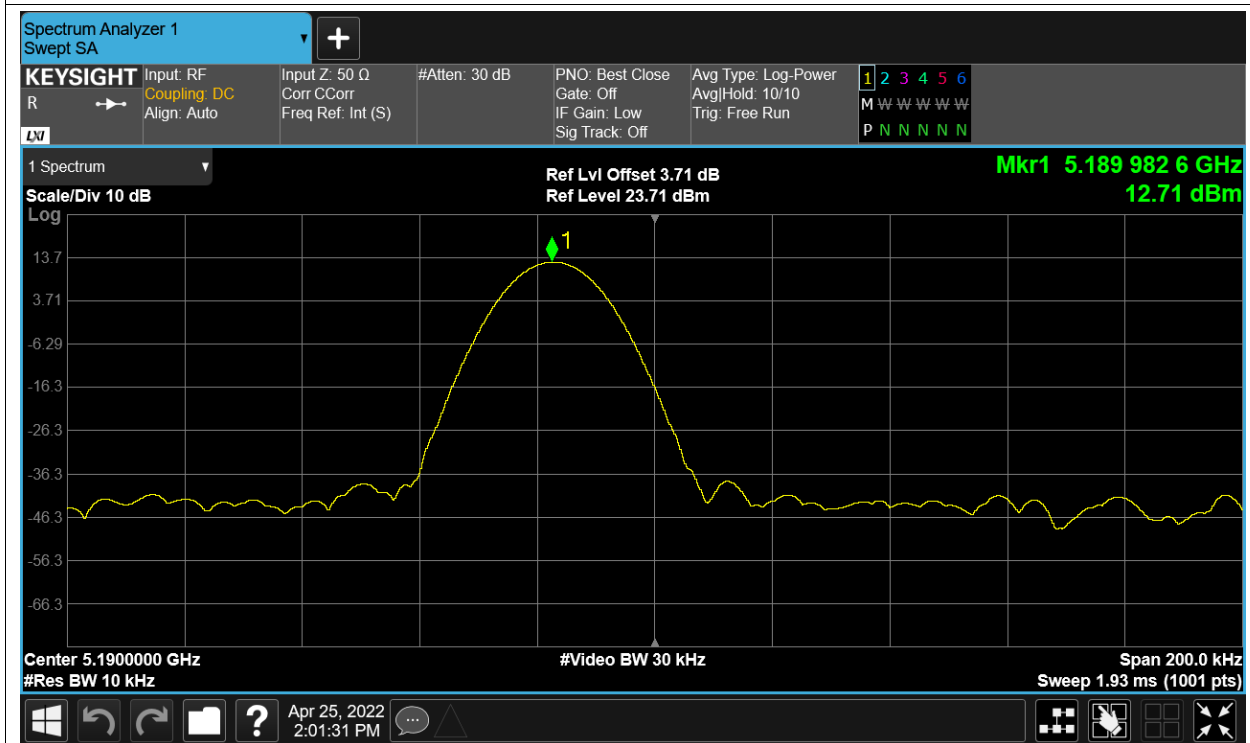
Freq. Stability NVNT ac80 5210MHz Ant1



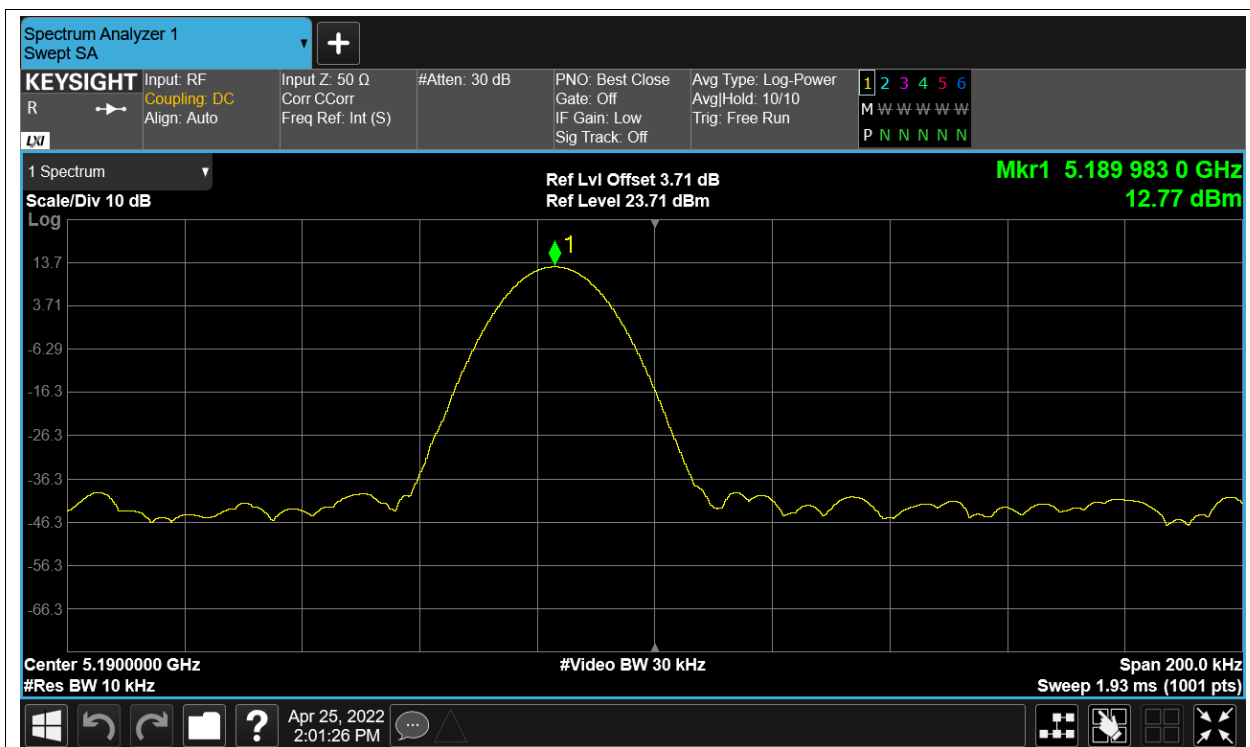
Freq. Stability HVNT n40 5190MHz Ant1



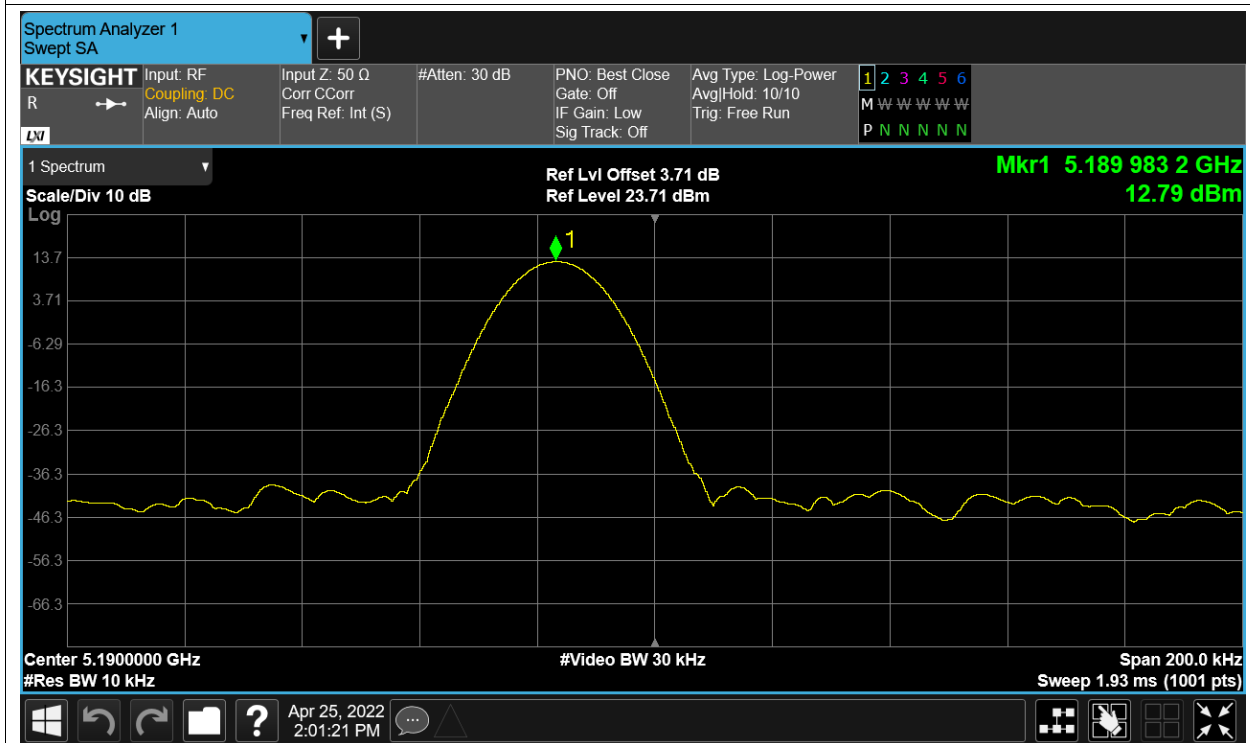
Freq. Stability LVNT n40 5190MHz Ant1



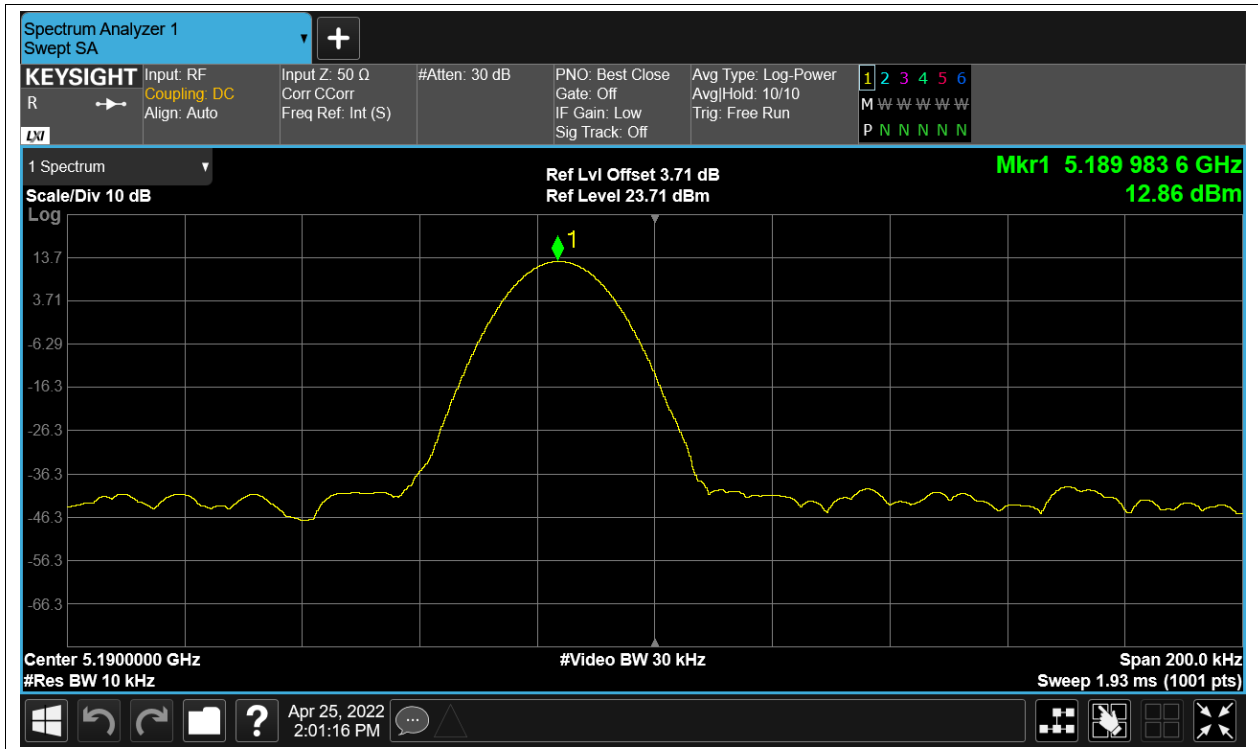
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

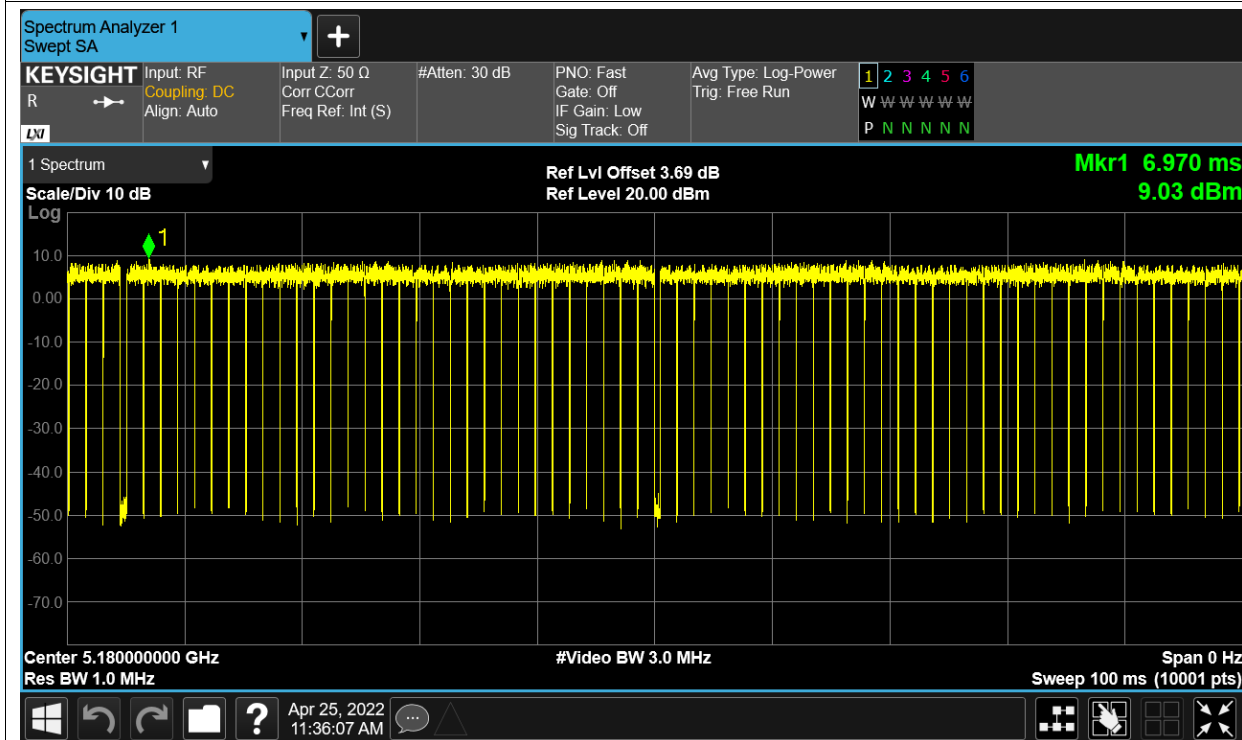


Duty Cycle

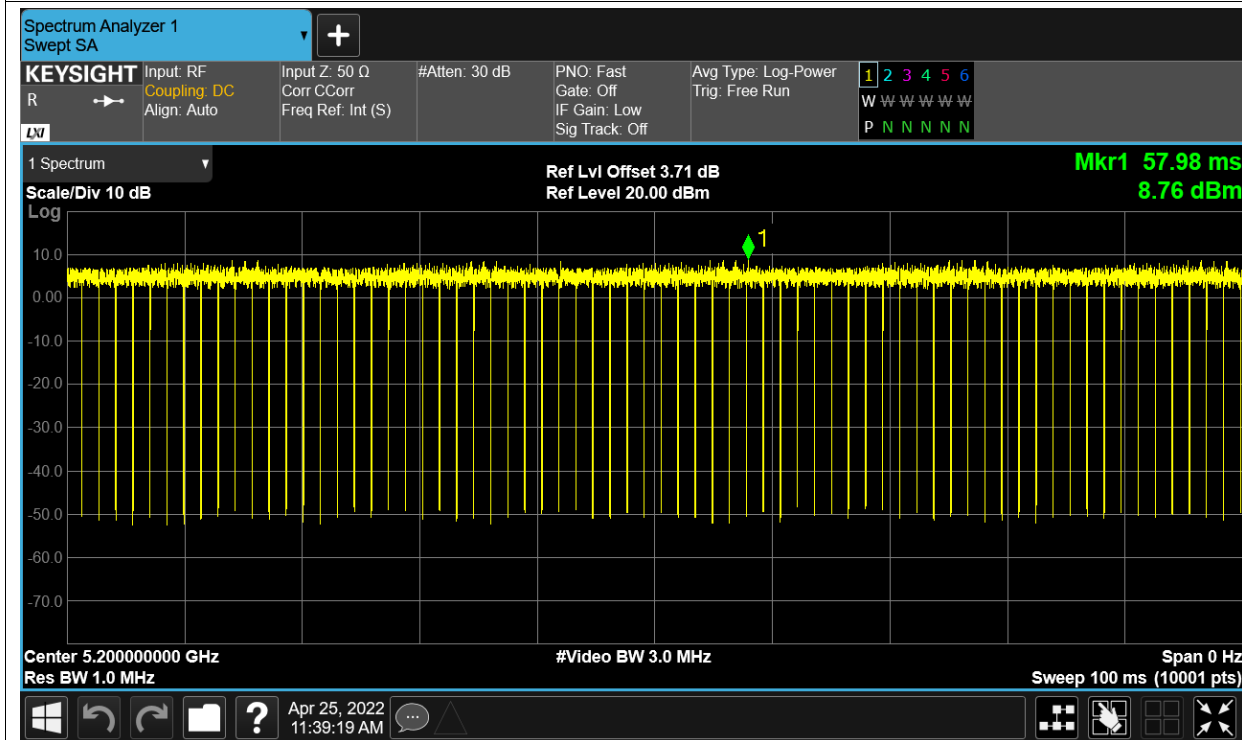
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	96.25	0.17
NVNT	a	5200	Ant1	97.24	0.12
NVNT	a	5240	Ant1	97.24	0.12
NVNT	ac20	5180	Ant1	96.6	0.15
NVNT	ac20	5200	Ant1	96.59	0.15
NVNT	ac20	5240	Ant1	96.58	0.15
NVNT	ac40	5190	Ant1	93.04	0.31
NVNT	ac40	5230	Ant1	93.45	0.29
NVNT	ac80	5210	Ant1	88.87	0.51
NVNT	n20	5180	Ant1	96.36	0.16
NVNT	n20	5200	Ant1	96.34	0.16
NVNT	n20	5240	Ant1	96.5	0.15
NVNT	n40	5190	Ant1	93.72	0.28
NVNT	n40	5230	Ant1	92.6	0.33

Test Graphs

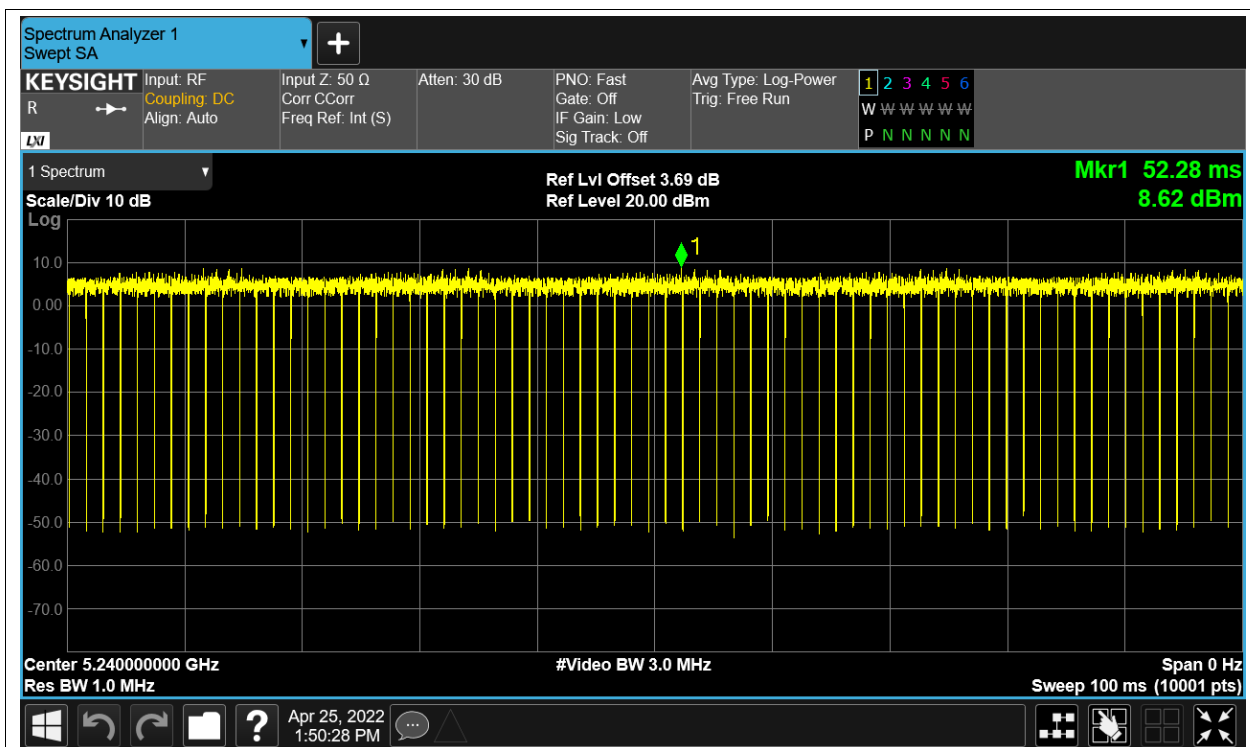
Duty Cycle NVNT a 5180MHz Ant1



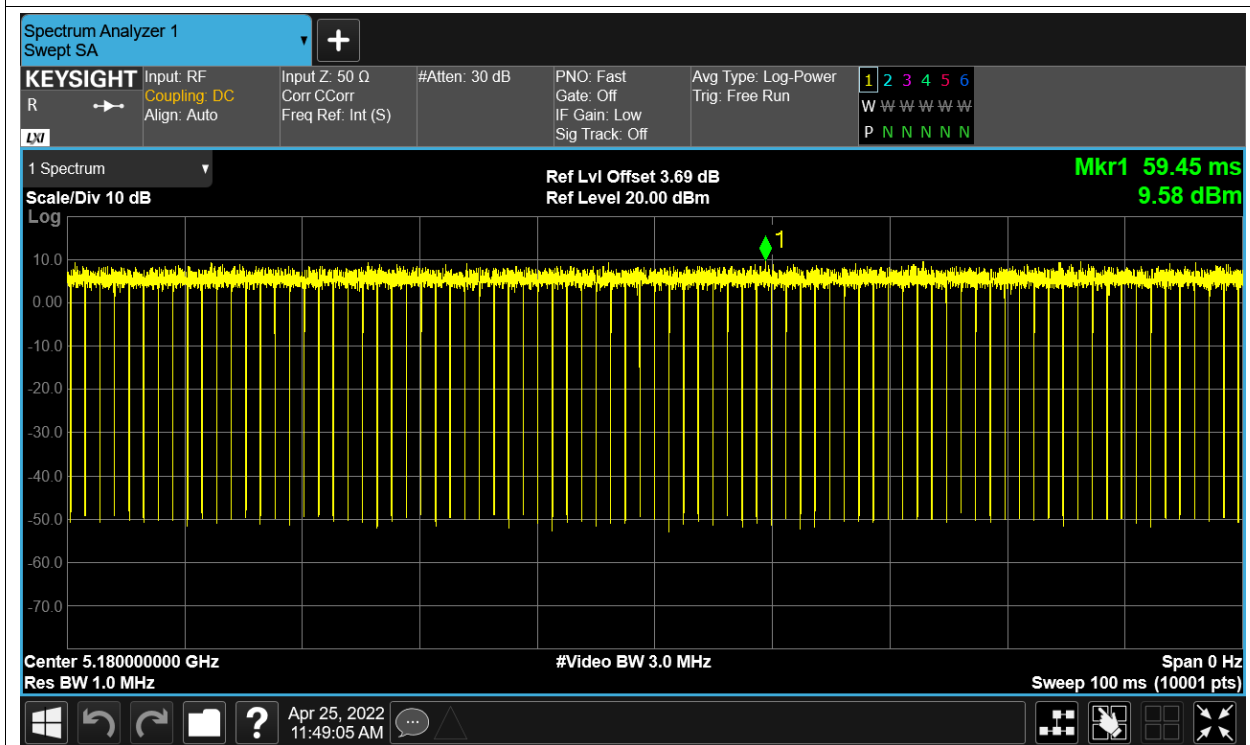
Duty Cycle NVNT a 5200MHz Ant1



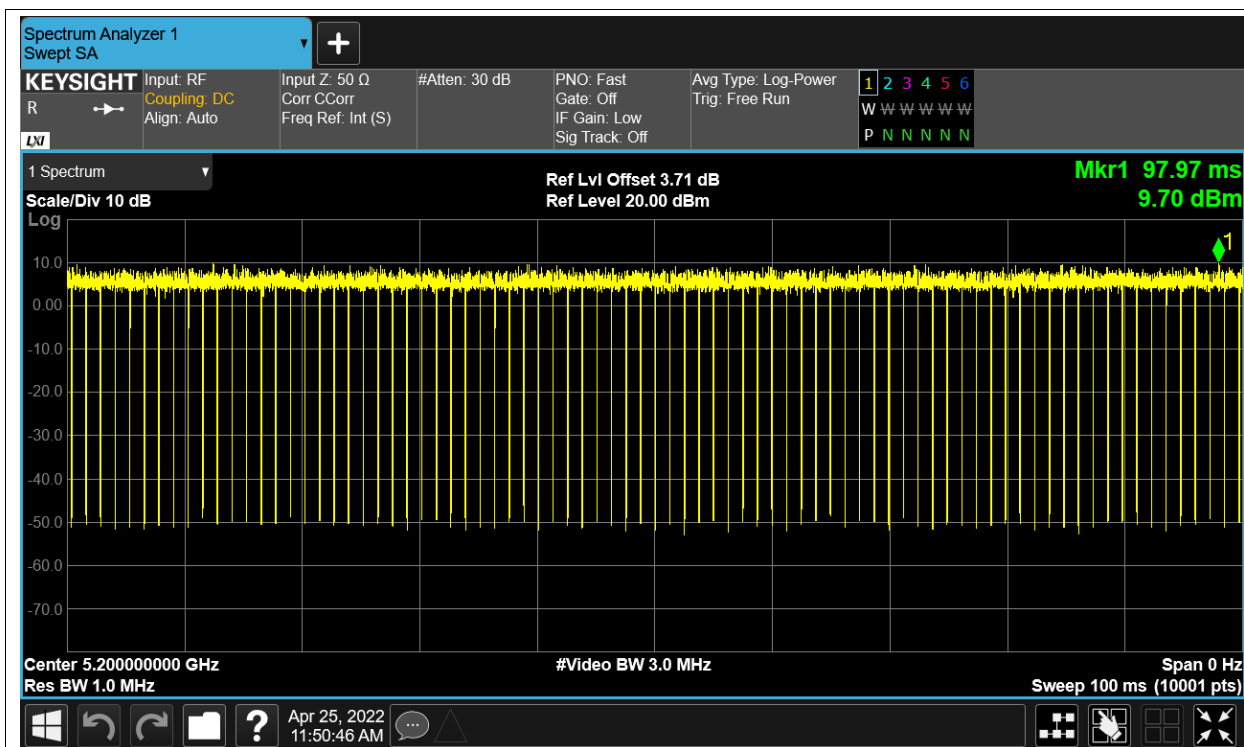
Duty Cycle NVNT a 5240MHz Ant1



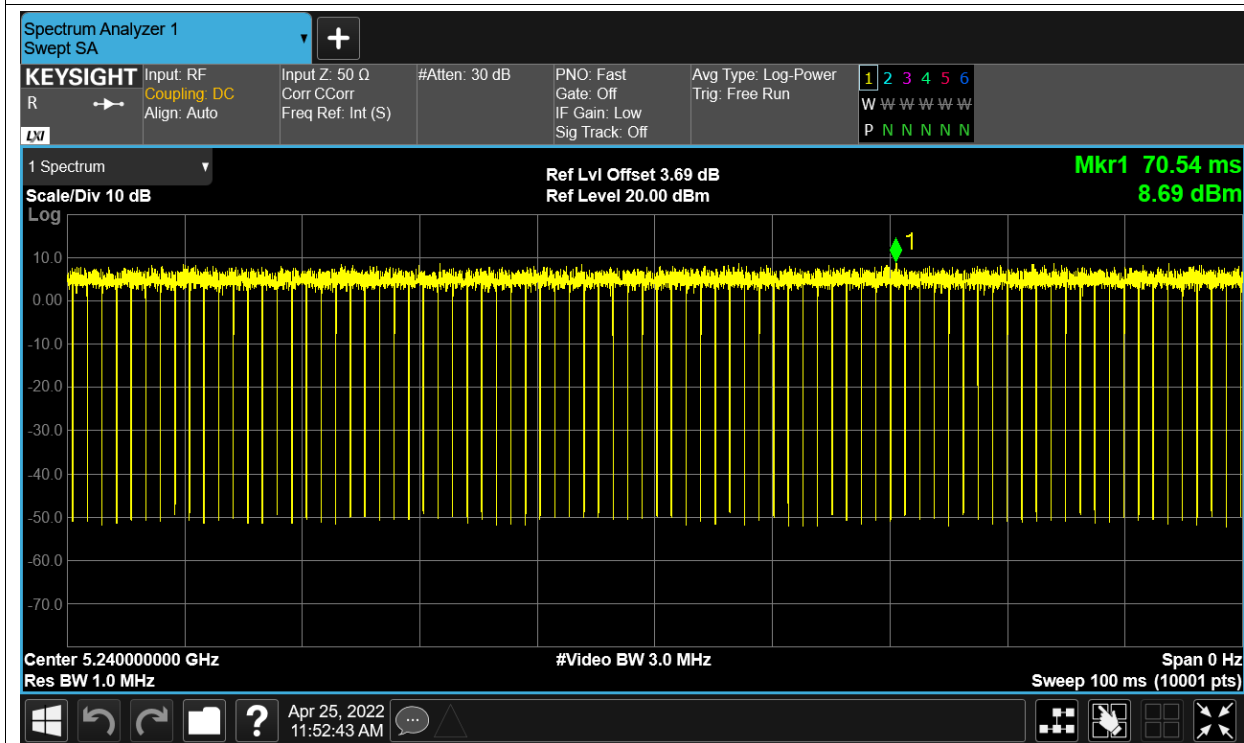
Duty Cycle NVNT ac20 5180MHz Ant1



Duty Cycle NVNT ac20 5200MHz Ant1



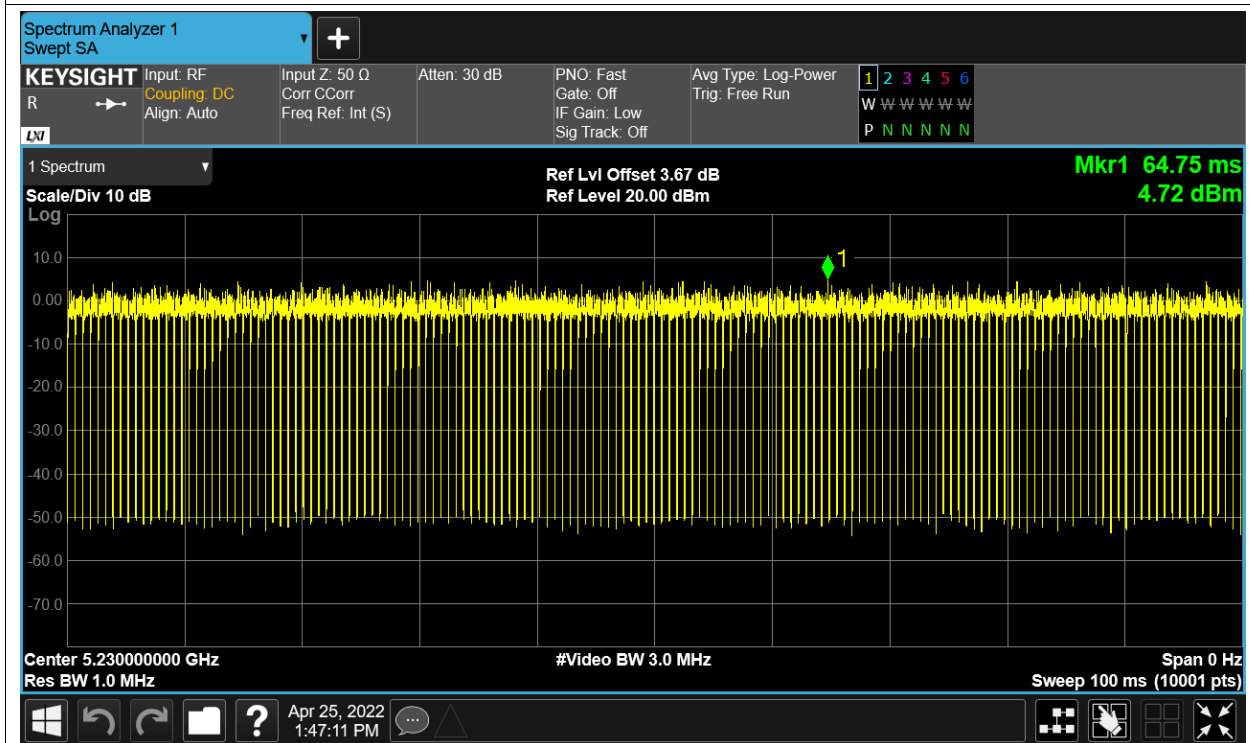
Duty Cycle NVNT ac20 5240MHz Ant1



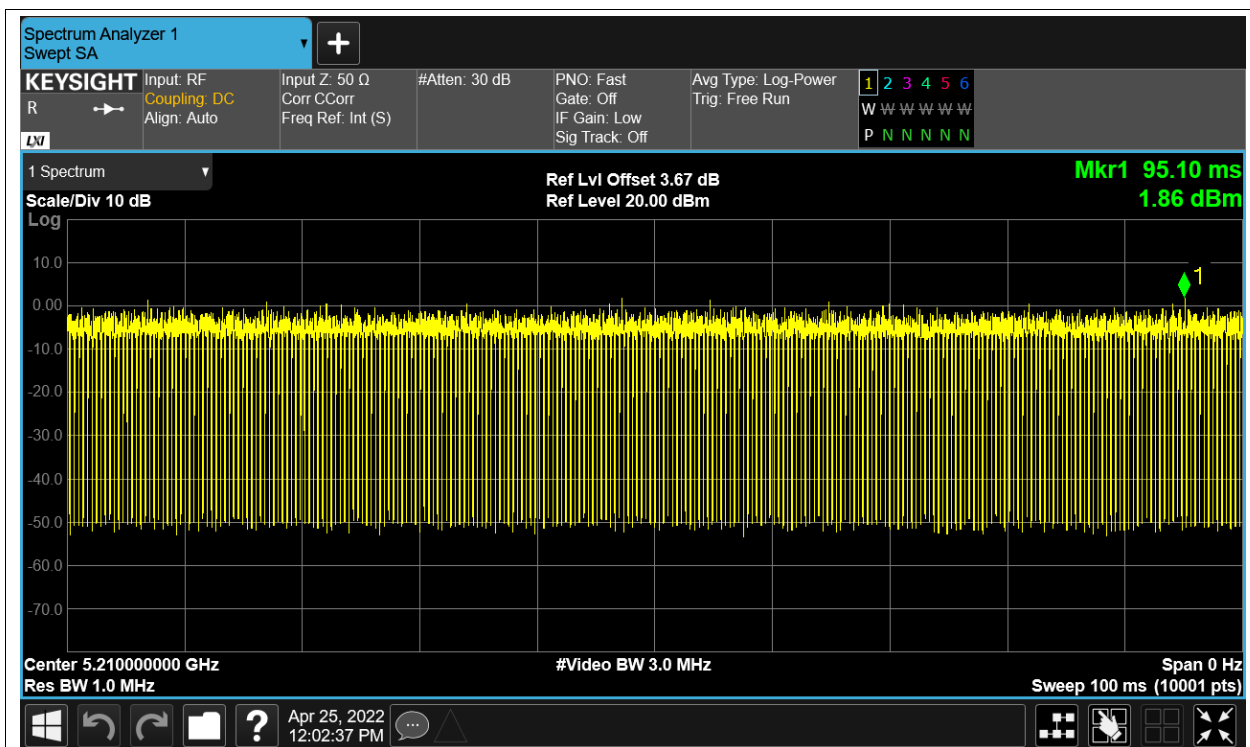
Duty Cycle NVNT ac40 5190MHz Ant1



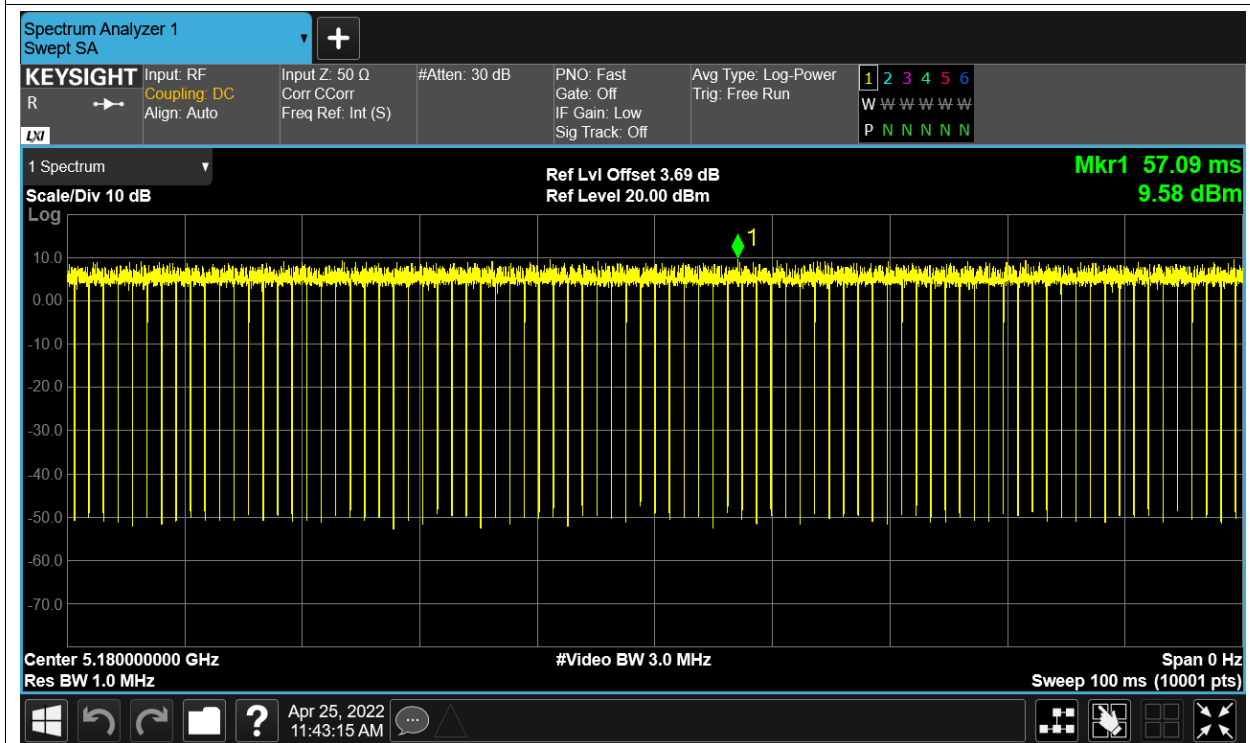
Duty Cycle NVNT ac40 5230MHz Ant1



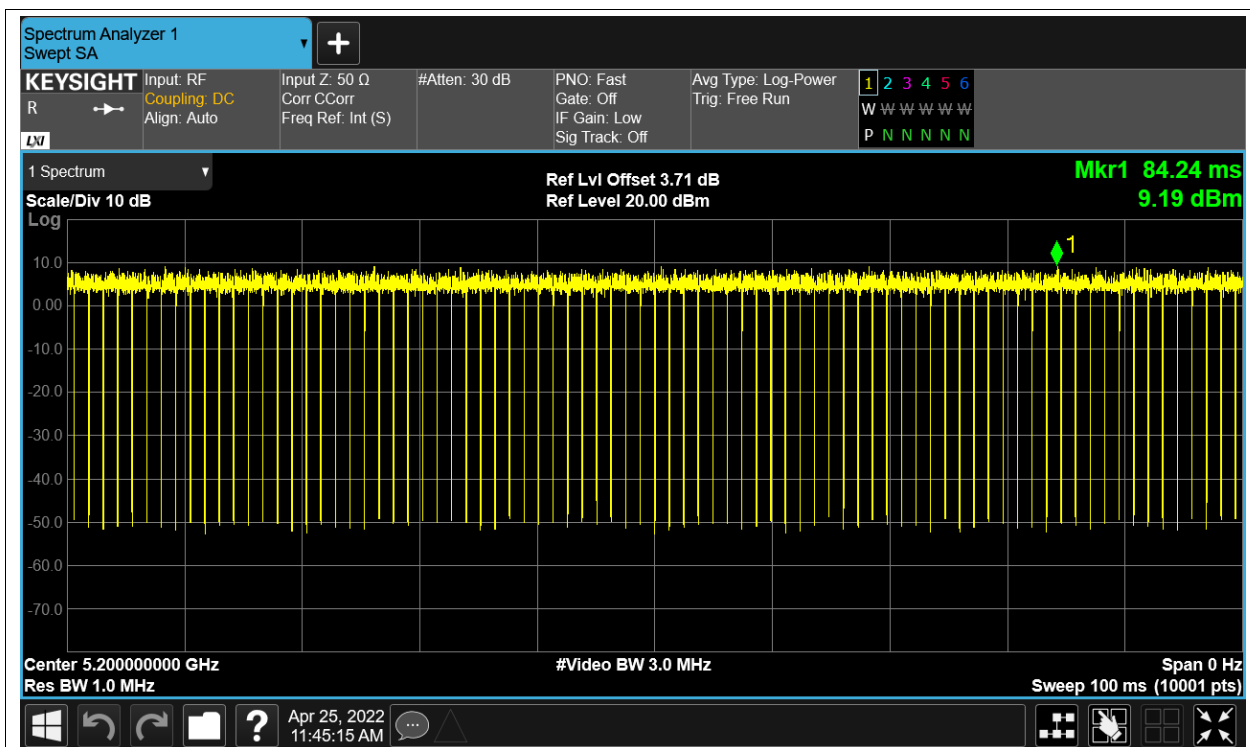
Duty Cycle NVNT ac80 5210MHz Ant1



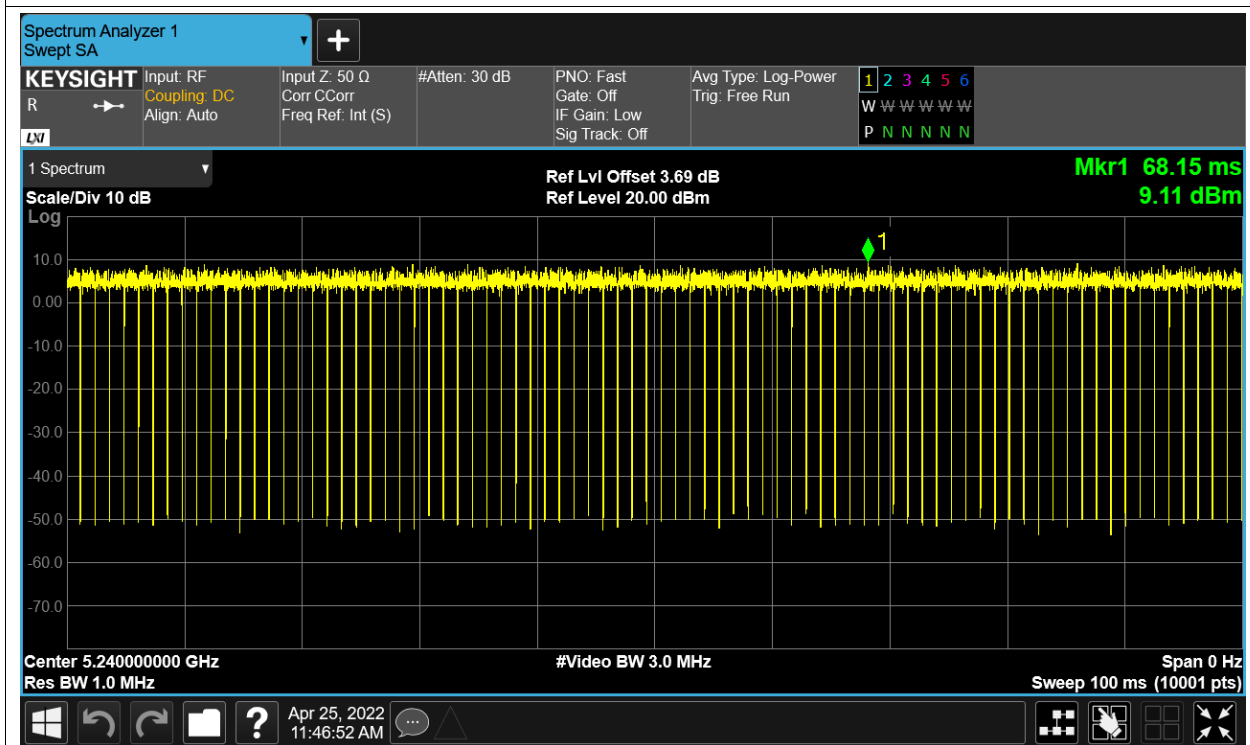
Duty Cycle NVNT n20 5180MHz Ant1



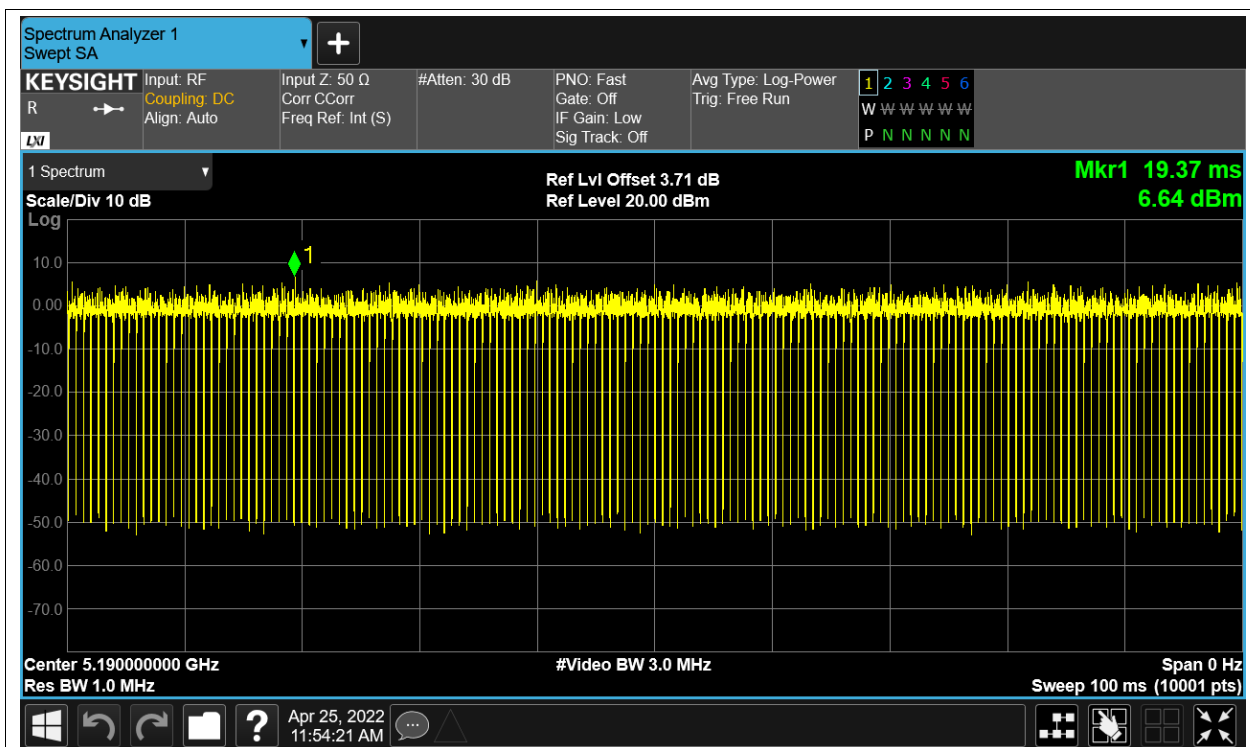
Duty Cycle NVNT n20 5200MHz Ant1



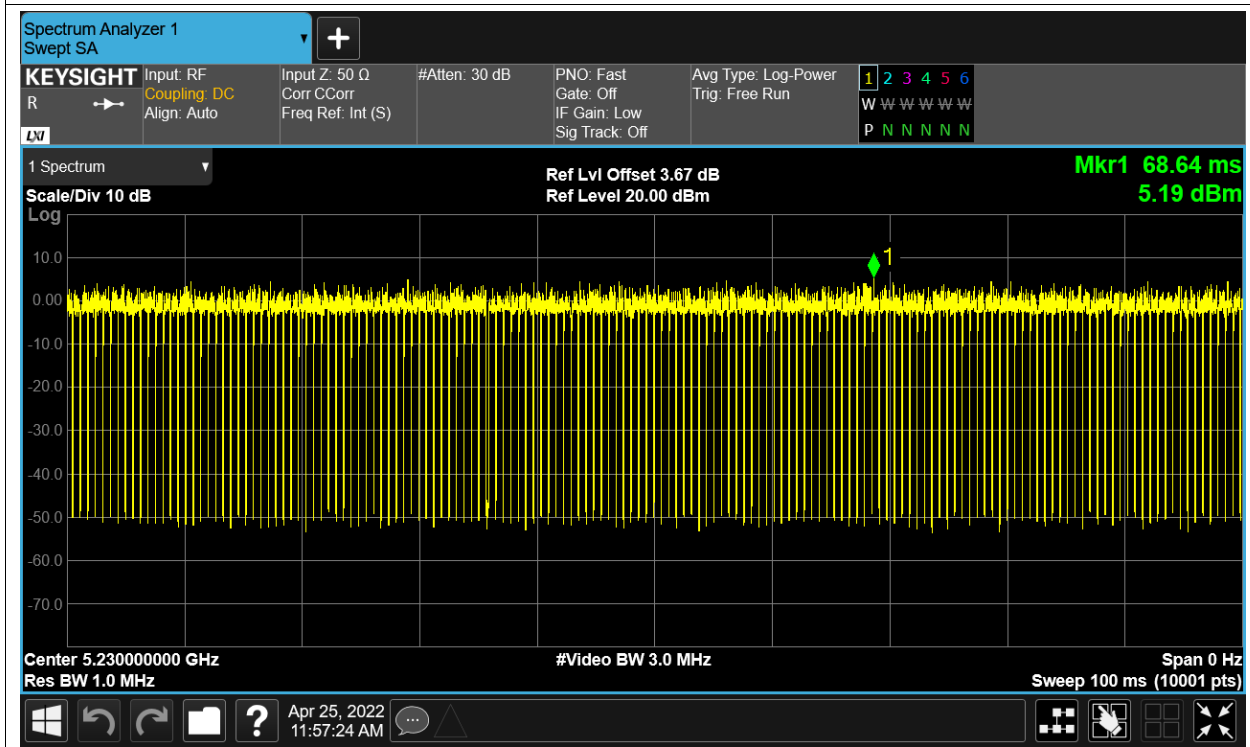
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

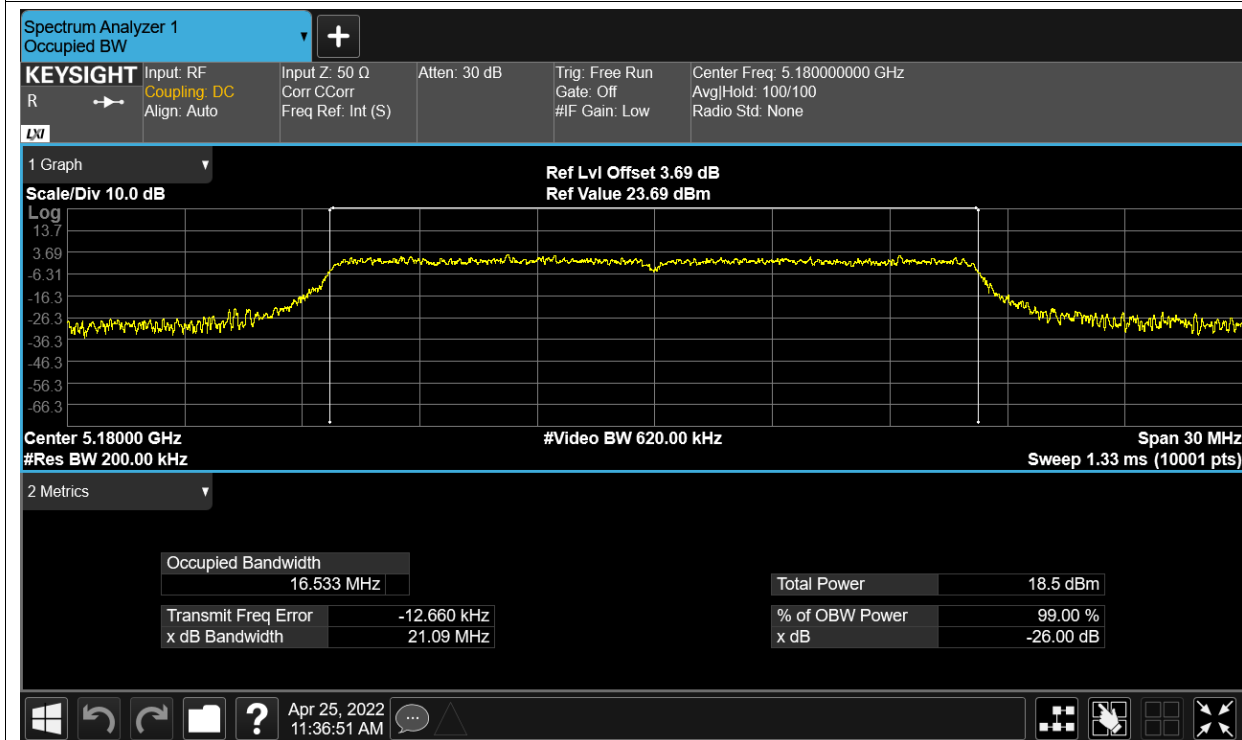
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.93	0.17	13.1	24	Pass
NVNT	a	5200	Ant1	12.55	0.12	12.67	24	Pass
NVNT	a	5240	Ant1	12.37	0.39	12.76	24	Pass
NVNT	ac20	5180	Ant1	13.51	0.15	13.66	24	Pass
NVNT	ac20	5200	Ant1	13.26	0.15	13.41	24	Pass
NVNT	ac20	5240	Ant1	12.89	0.15	13.04	24	Pass
NVNT	ac40	5190	Ant1	13.13	0.31	13.44	24	Pass
NVNT	ac40	5230	Ant1	12.72	0.51	13.23	24	Pass
NVNT	ac80	5210	Ant1	13.1	0.51	13.61	24	Pass
NVNT	n20	5180	Ant1	13.26	0.16	13.42	24	Pass
NVNT	n20	5200	Ant1	12.87	0.16	13.03	24	Pass
NVNT	n20	5240	Ant1	12.98	0.15	13.13	24	Pass
NVNT	n40	5190	Ant1	13.14	0.28	13.42	24	Pass
NVNT	n40	5230	Ant1	12.73	0.33	13.06	24	Pass

Occupied Channel Bandwidth

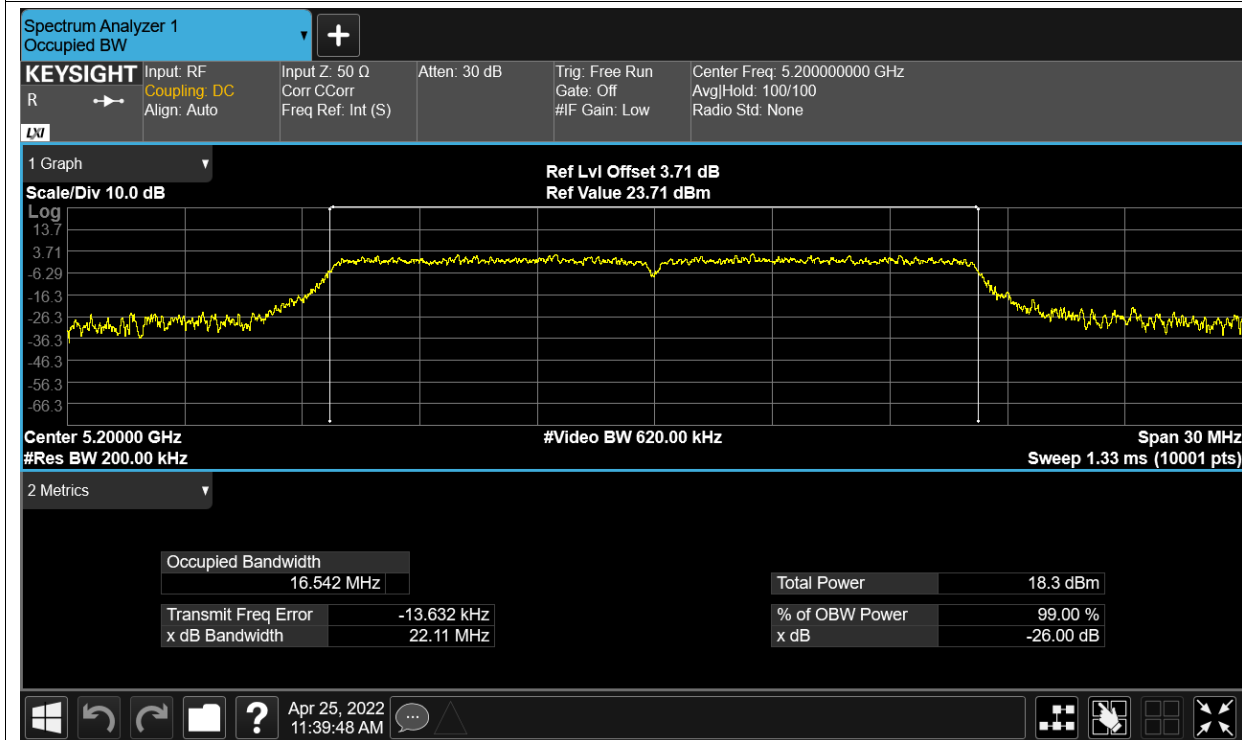
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.53335275
NVNT	a	5200	Ant1	16.54213305
NVNT	a	5240	Ant1	16.568082
NVNT	ac20	5180	Ant1	17.61595106
NVNT	ac20	5200	Ant1	17.63405422
NVNT	ac20	5240	Ant1	17.64555696
NVNT	ac40	5190	Ant1	36.06971955
NVNT	ac40	5230	Ant1	36.15439655
NVNT	ac80	5210	Ant1	75.4827601
NVNT	n20	5180	Ant1	17.61067424
NVNT	n20	5200	Ant1	17.61650866
NVNT	n20	5240	Ant1	17.62382765
NVNT	n40	5190	Ant1	36.12394284
NVNT	n40	5230	Ant1	36.128096

Test Graphs

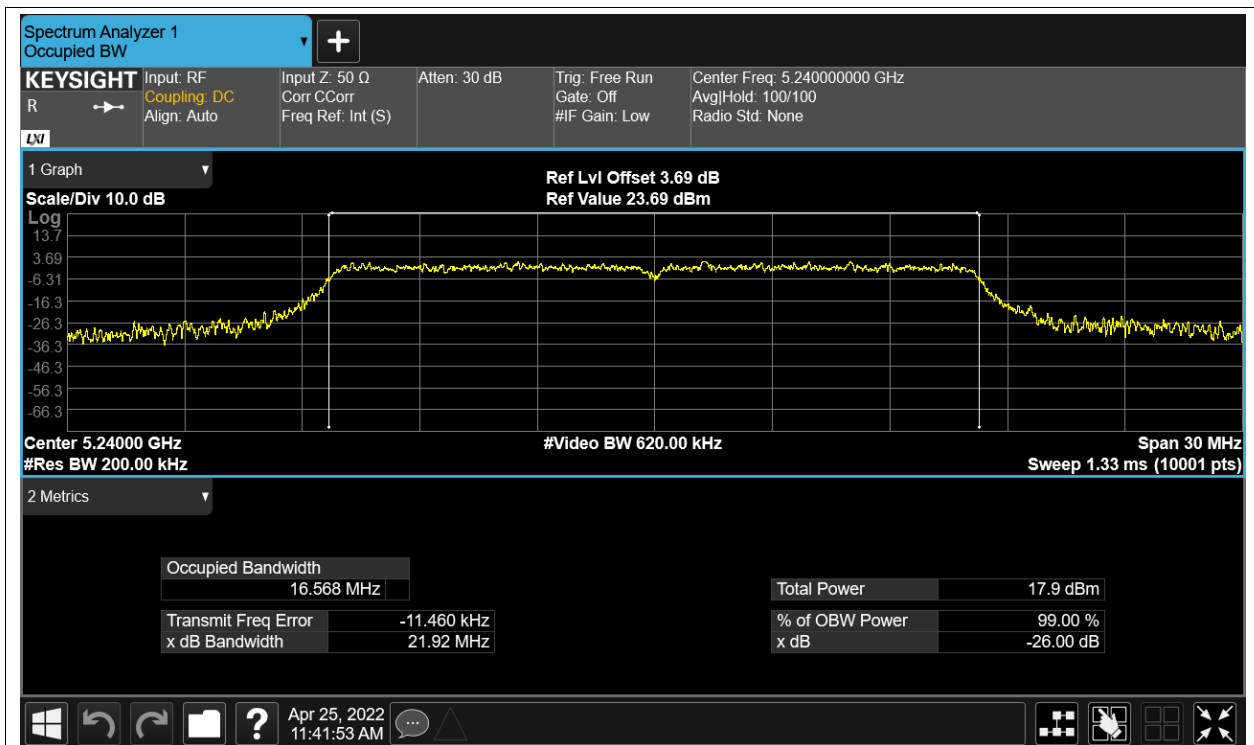
OBW NVNT a 5180MHz Ant1



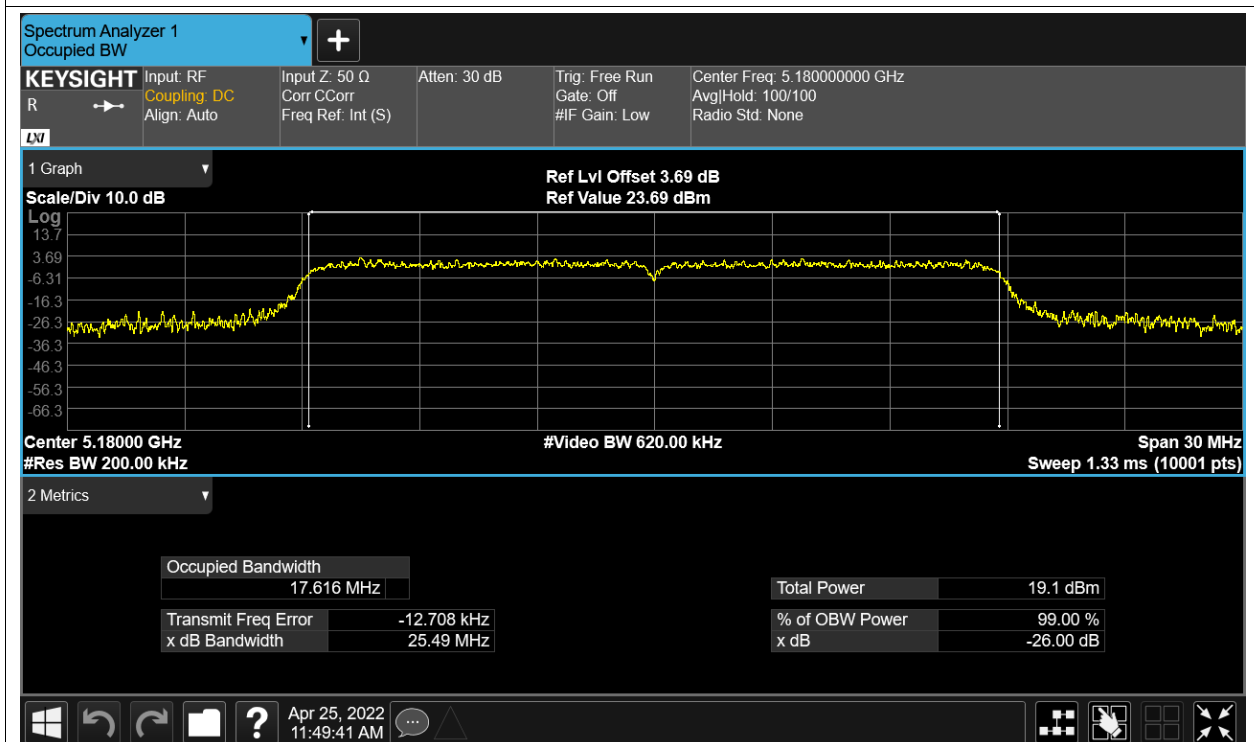
OBW NVNT a 5200MHz Ant1



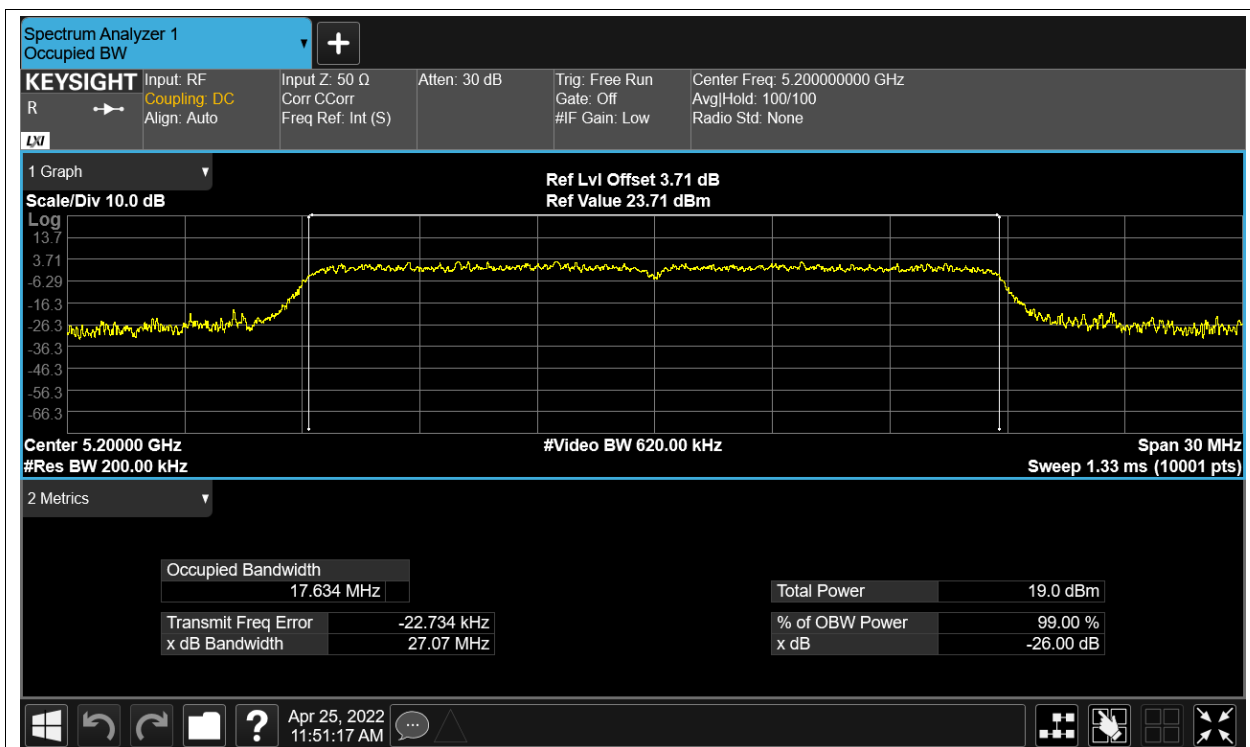
OBW NVNT a 5240MHz Ant1



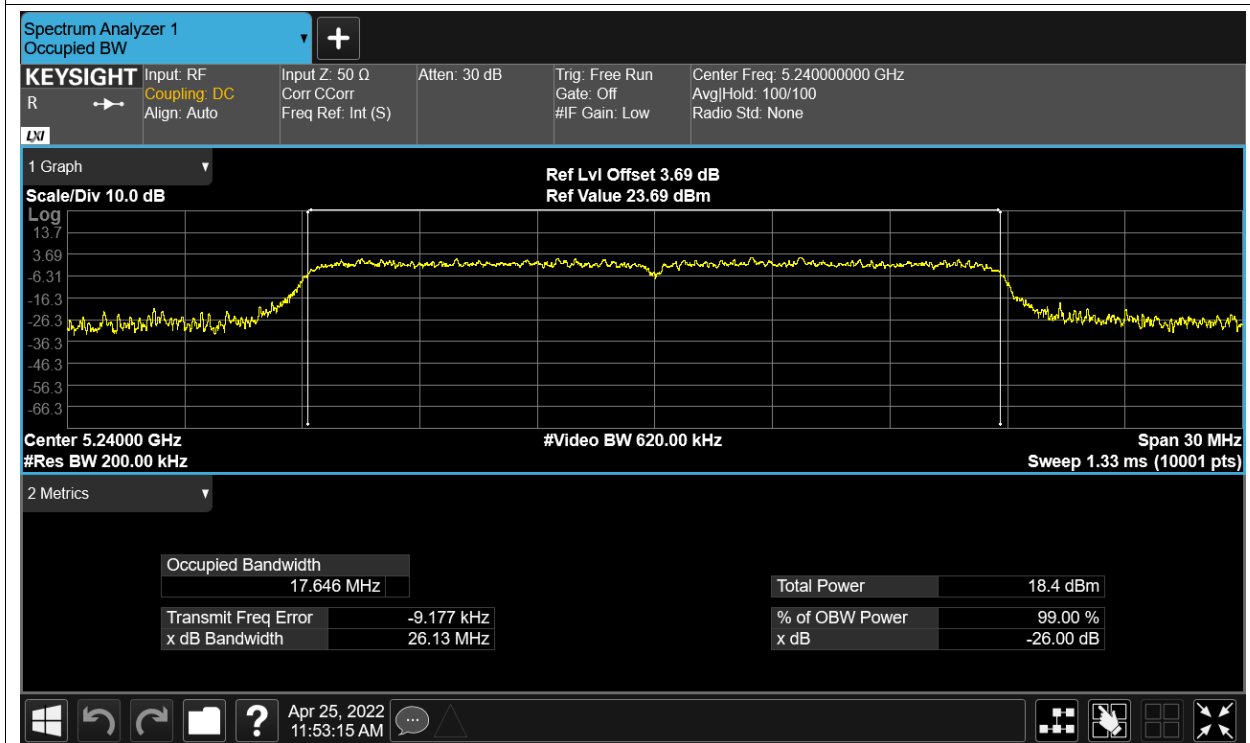
OBW NVNT ac20 5180MHz Ant1



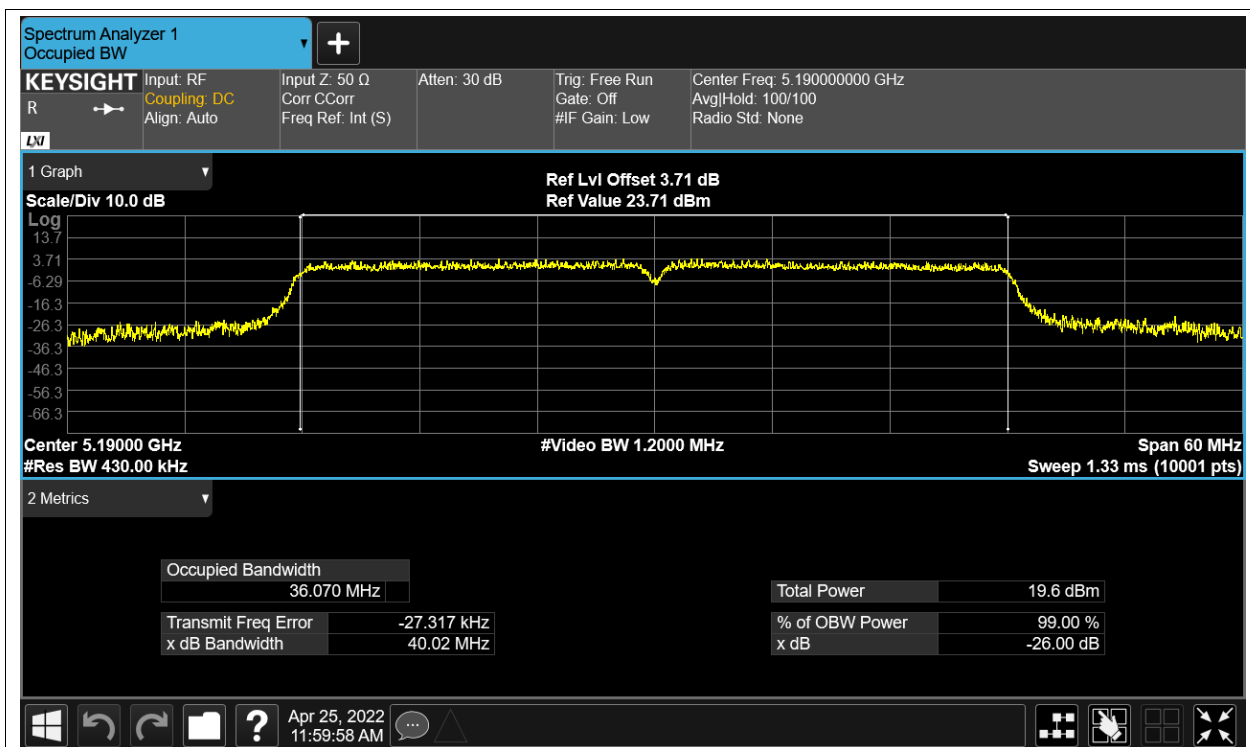
OBW NVNT ac20 5200MHz Ant1



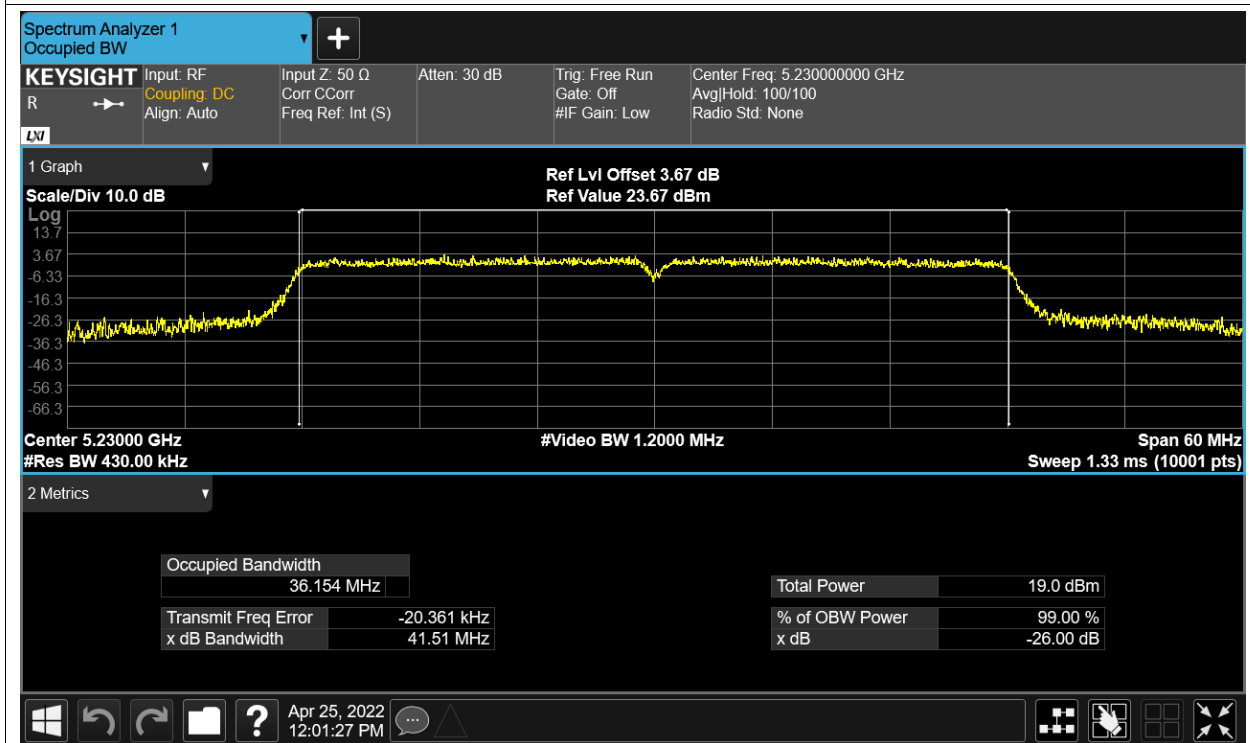
OBW NVNT ac20 5240MHz Ant1



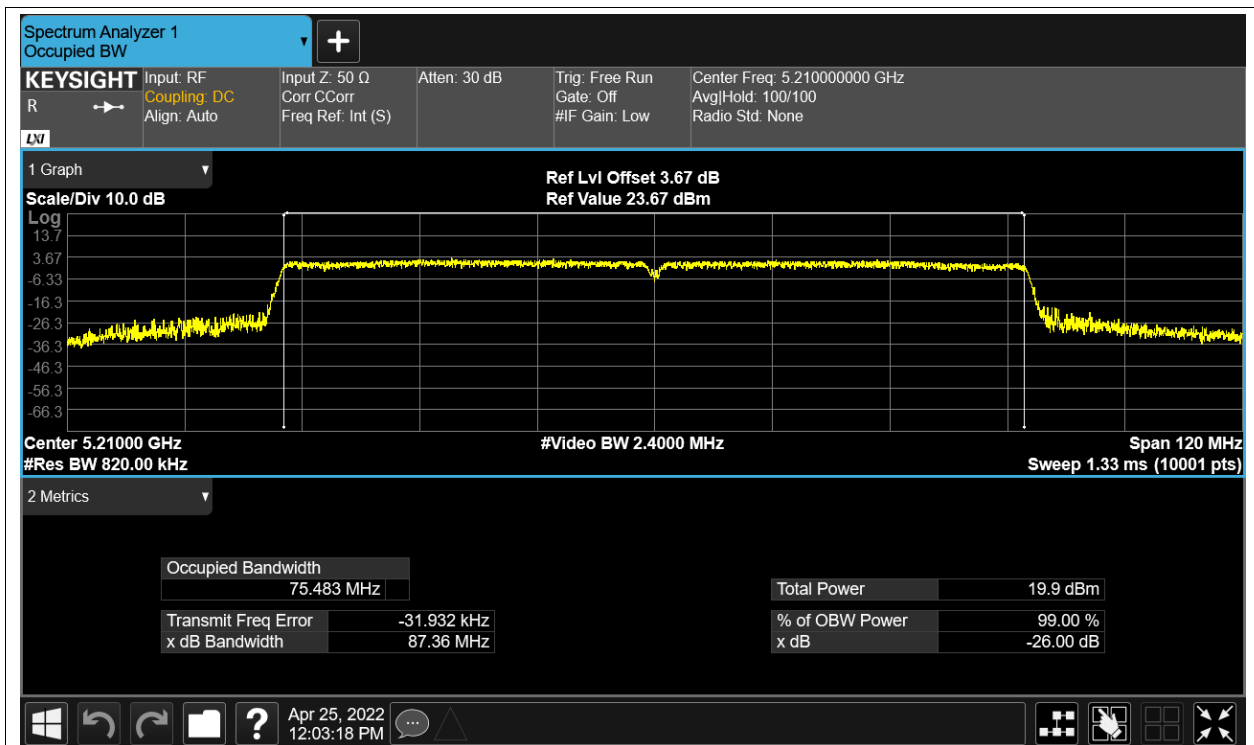
OBW NVNT ac40 5190MHz Ant1



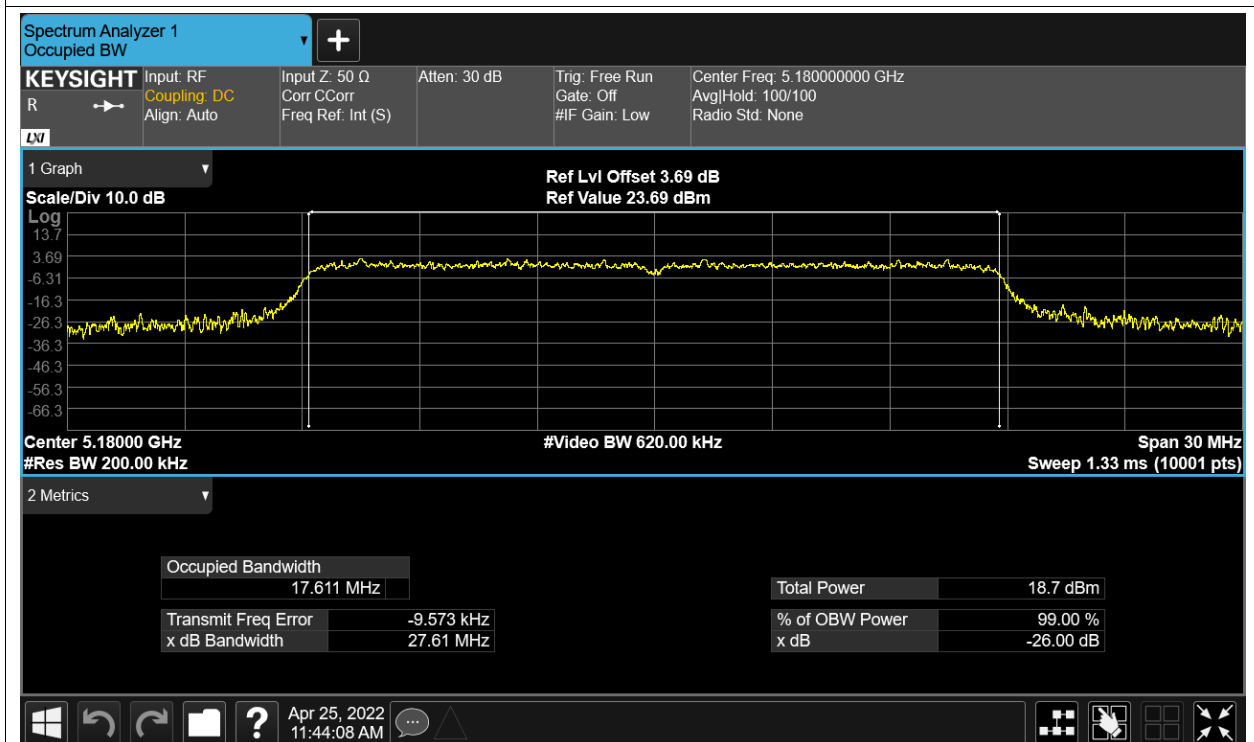
OBW NVNT ac40 5230MHz Ant1



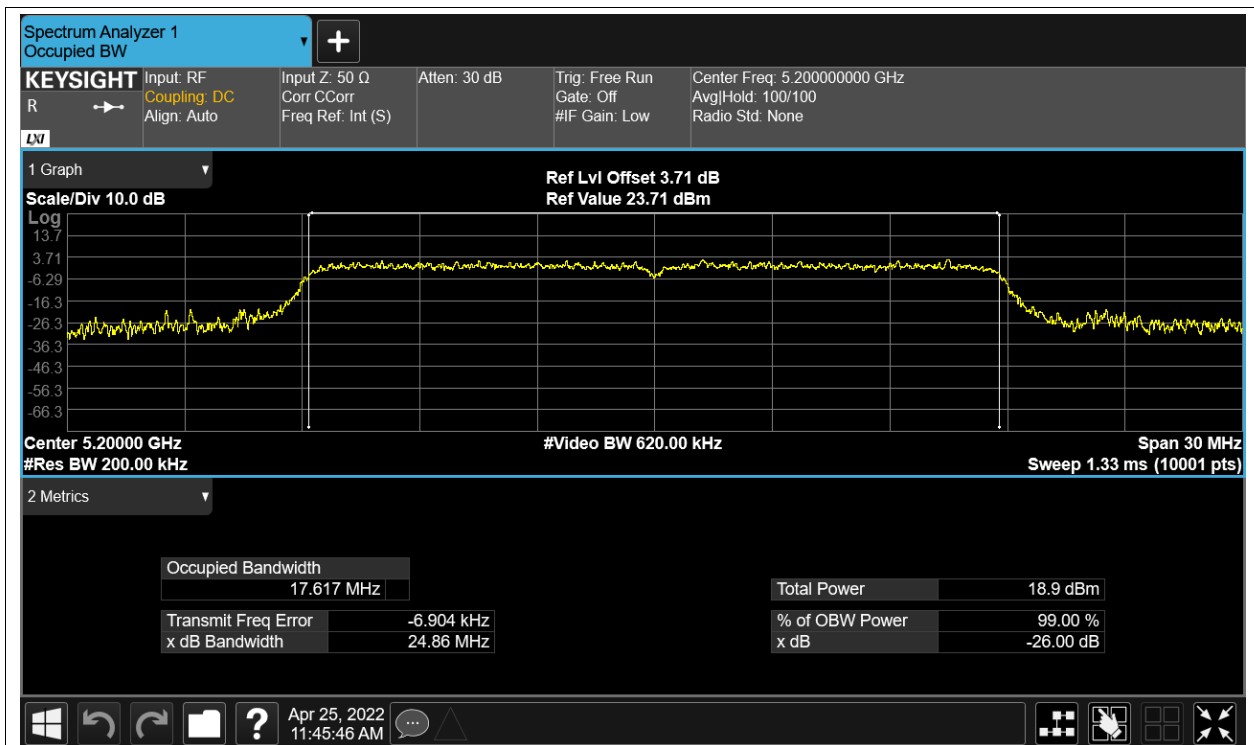
OBW NVNT ac80 5210MHz Ant1



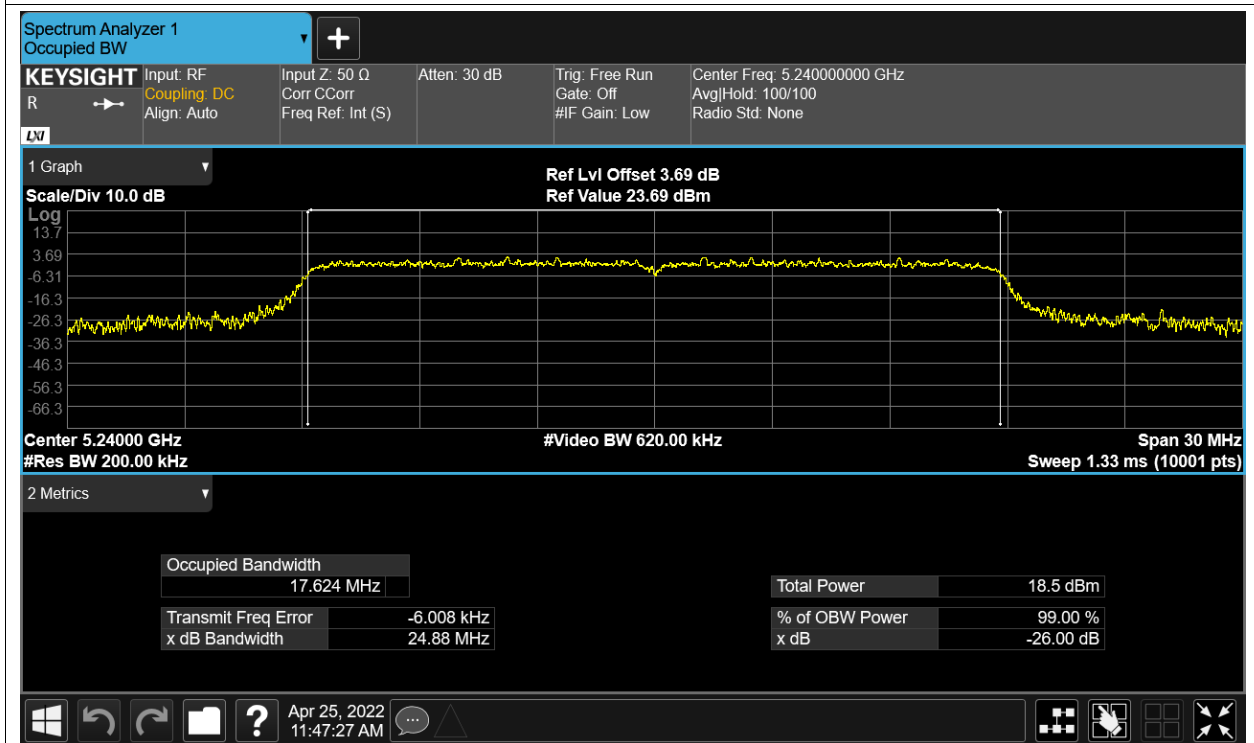
OBW NVNT n20 5180MHz Ant1



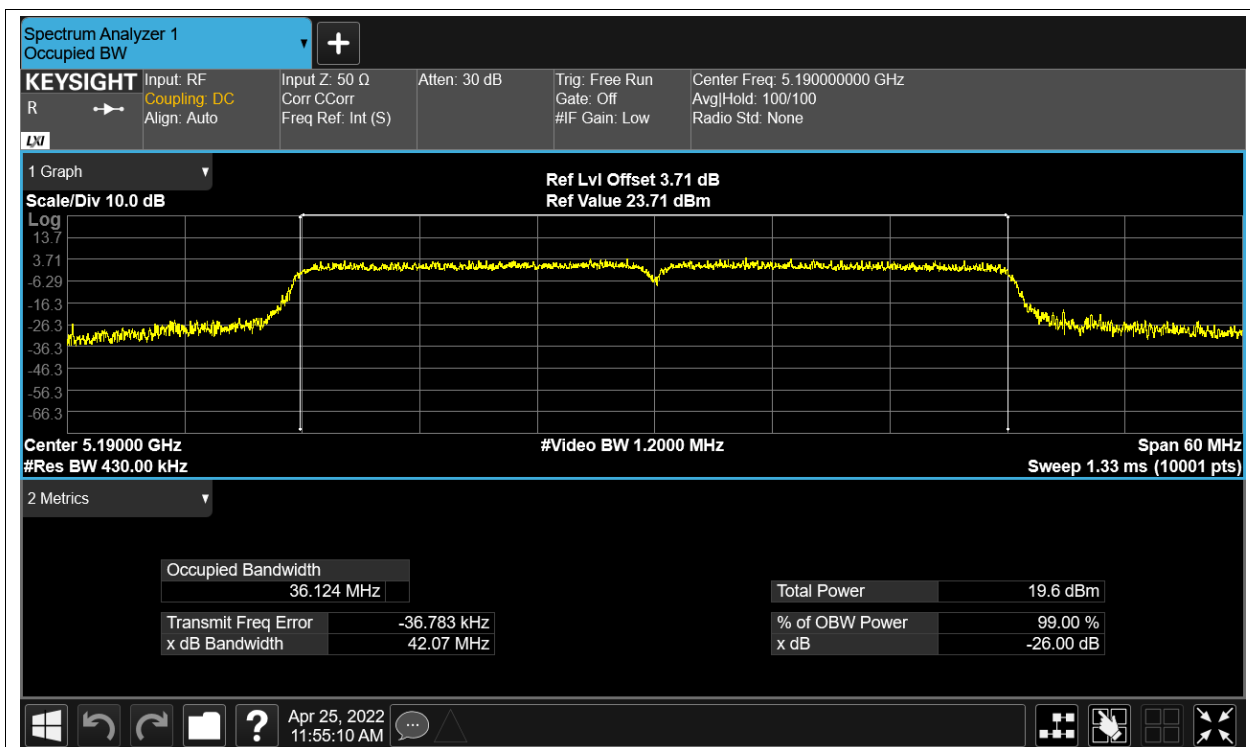
OBW NVNT n20 5200MHz Ant1



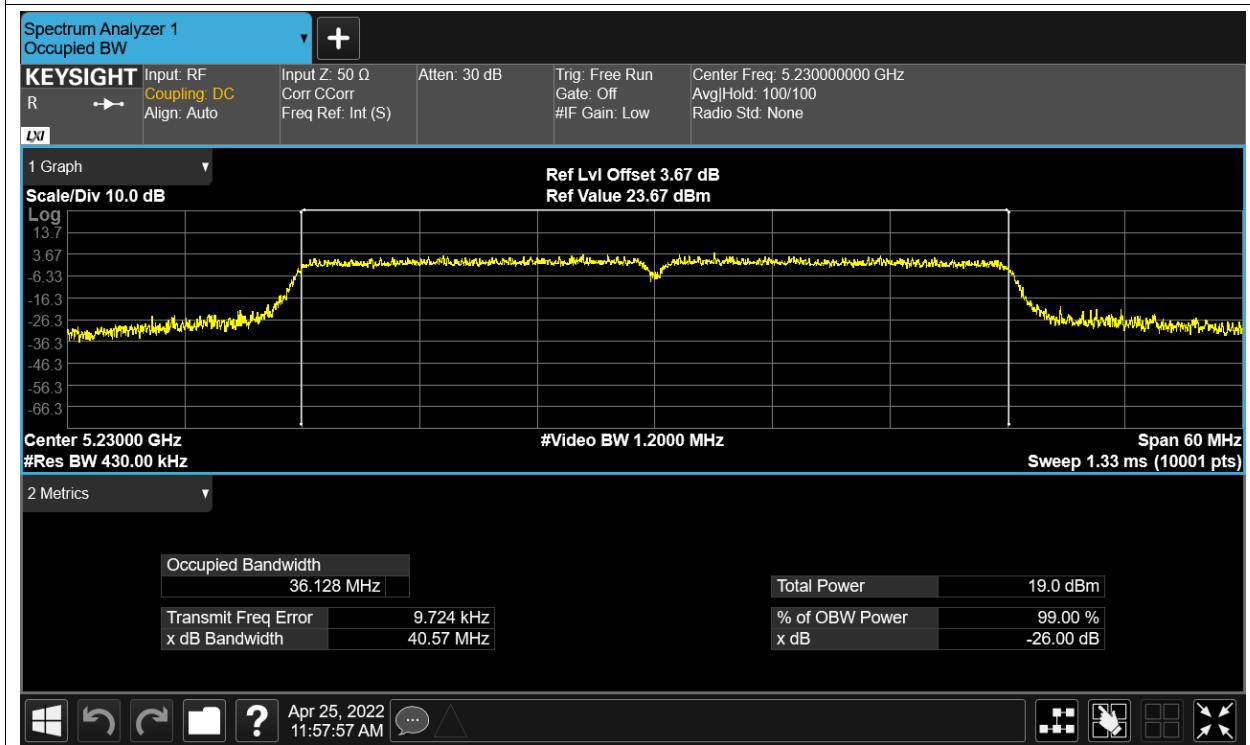
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

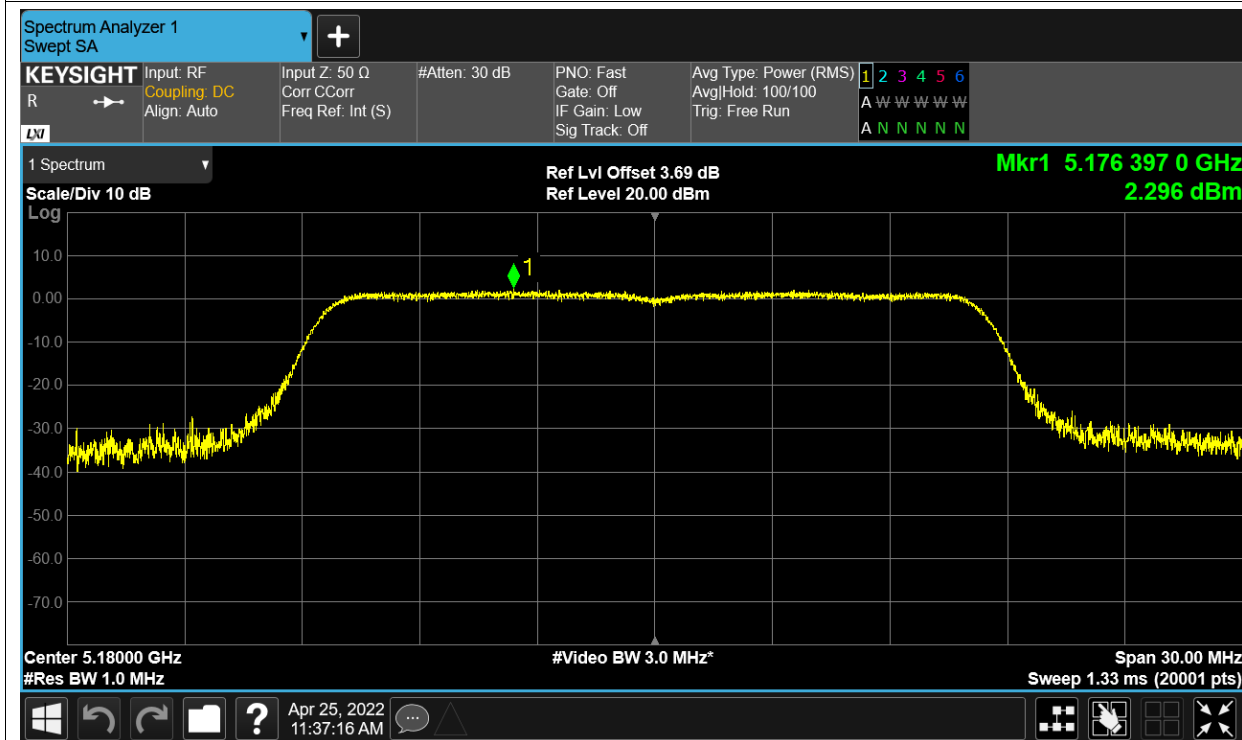


Maximum Power Spectral Density Level

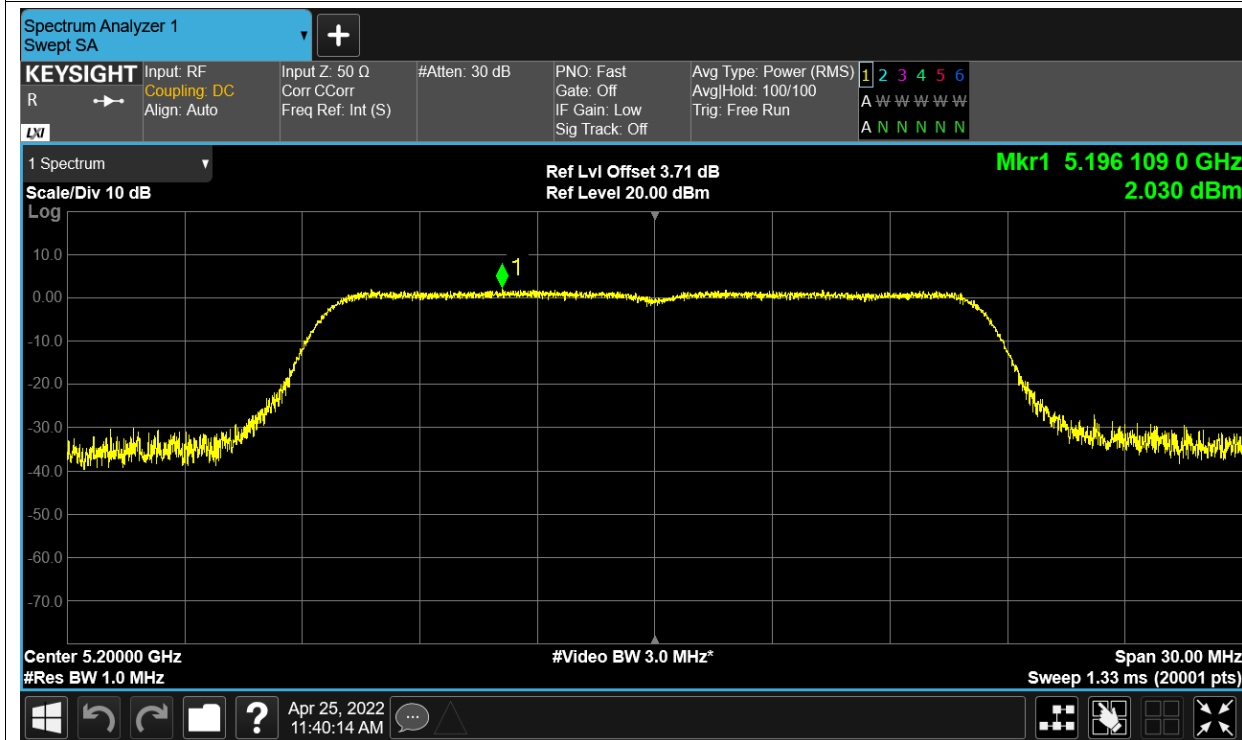
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	2.296	11	Pass
NVNT	a	5200	Ant1	2.03	11	Pass
NVNT	a	5240	Ant1	1.597	11	Pass
NVNT	ac20	5180	Ant1	2.495	11	Pass
NVNT	ac20	5200	Ant1	2.579	11	Pass
NVNT	ac20	5240	Ant1	2.032	11	Pass
NVNT	ac40	5190	Ant1	0.011	11	Pass
NVNT	ac40	5230	Ant1	-0.658	11	Pass
NVNT	ac80	5210	Ant1	-3.901	11	Pass
NVNT	n20	5180	Ant1	2.522	11	Pass
NVNT	n20	5200	Ant1	2.535	11	Pass
NVNT	n20	5240	Ant1	2.035	11	Pass
NVNT	n40	5190	Ant1	-0.134	11	Pass
NVNT	n40	5230	Ant1	-0.584	11	Pass

Test Graphs

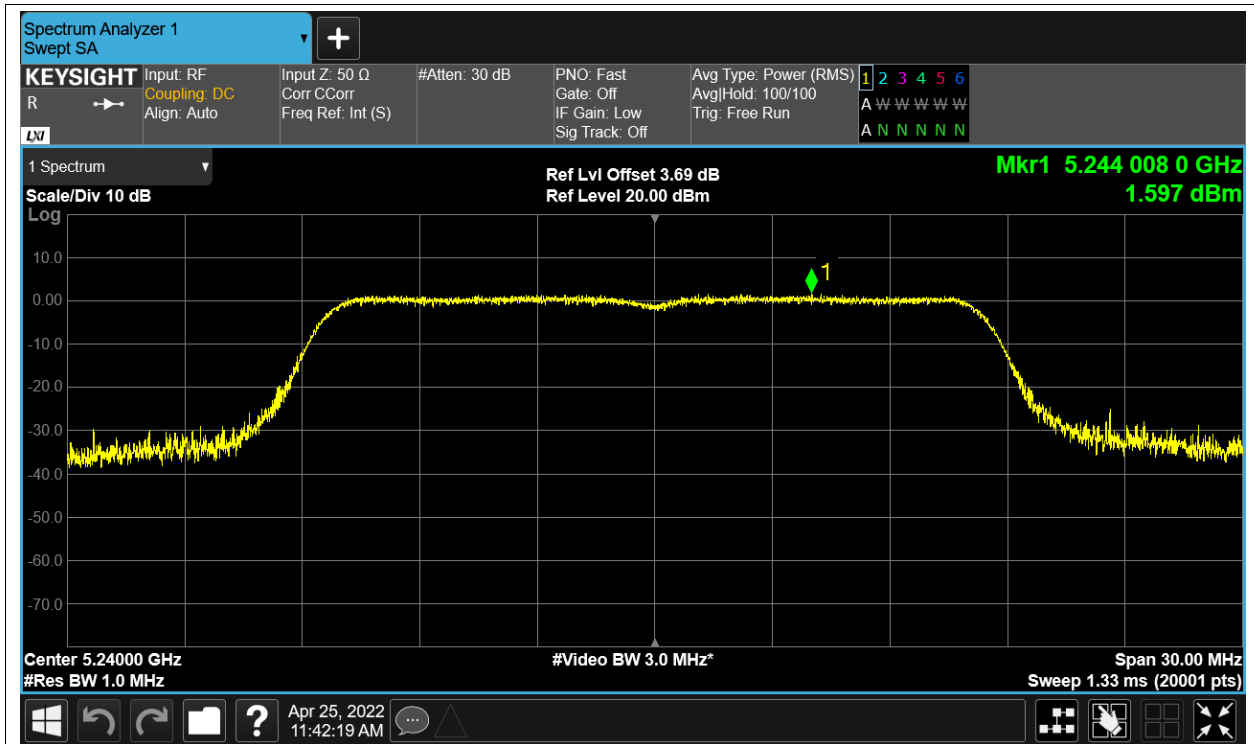
PSD NVNT a 5180MHz Ant1



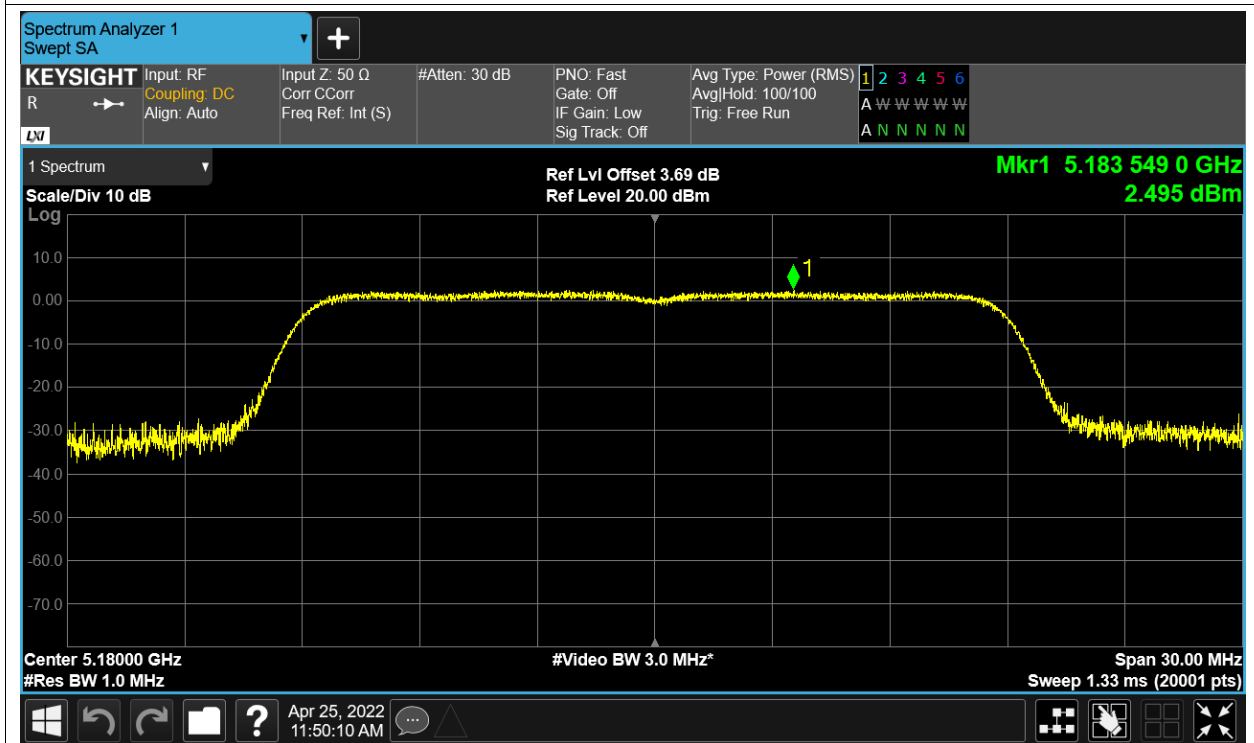
PSD NVNT a 5200MHz Ant1



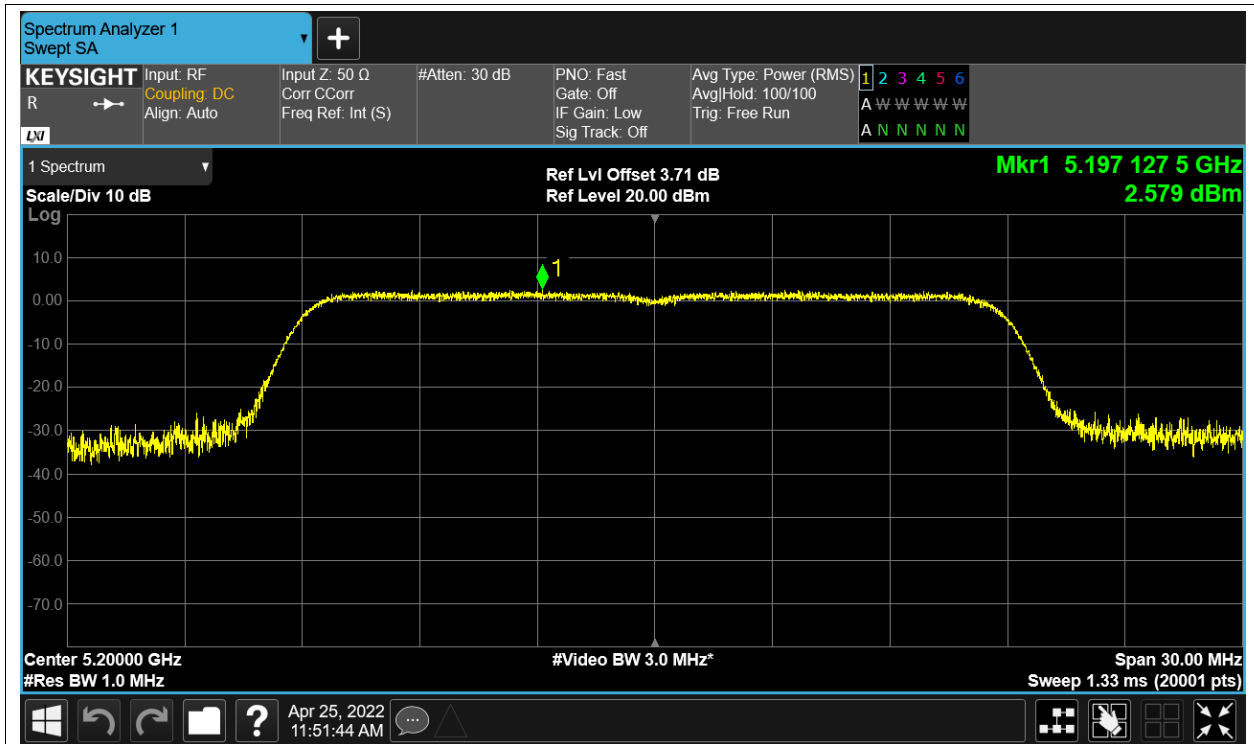
PSD NVNT a 5240MHz Ant1



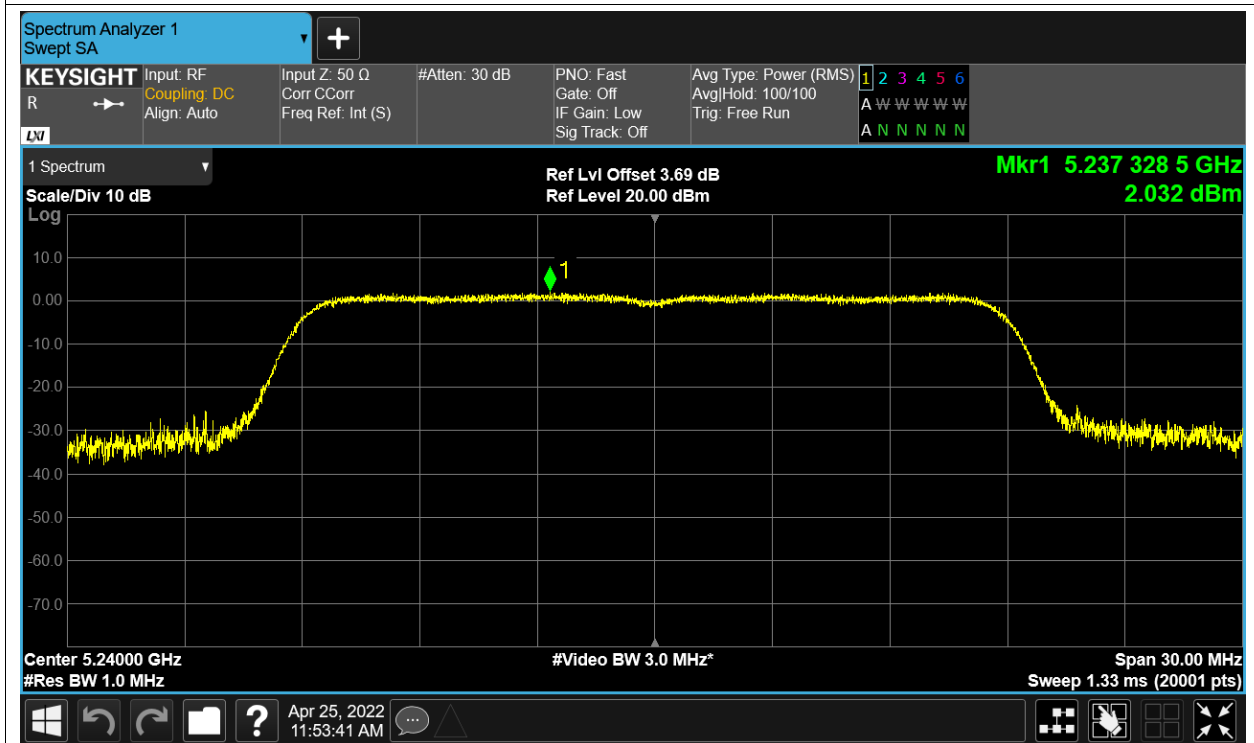
PSD NVNT ac20 5180MHz Ant1



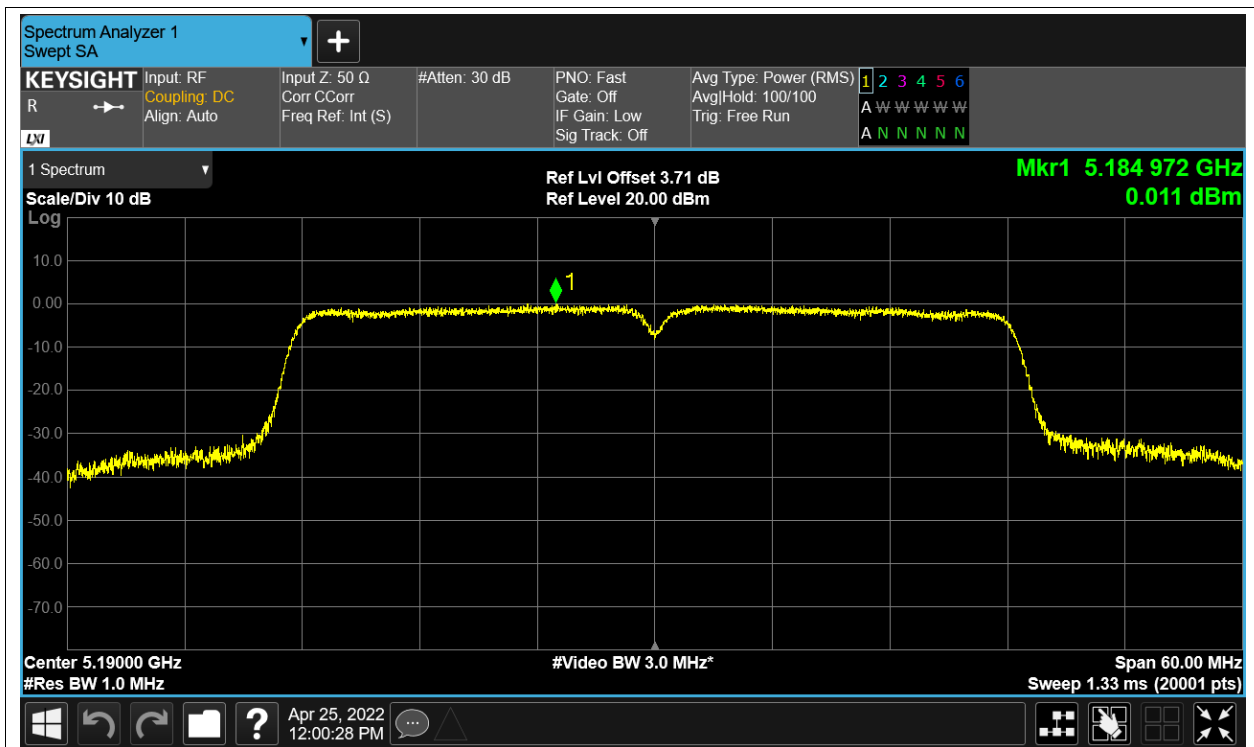
PSD NVNT ac20 5200MHz Ant1



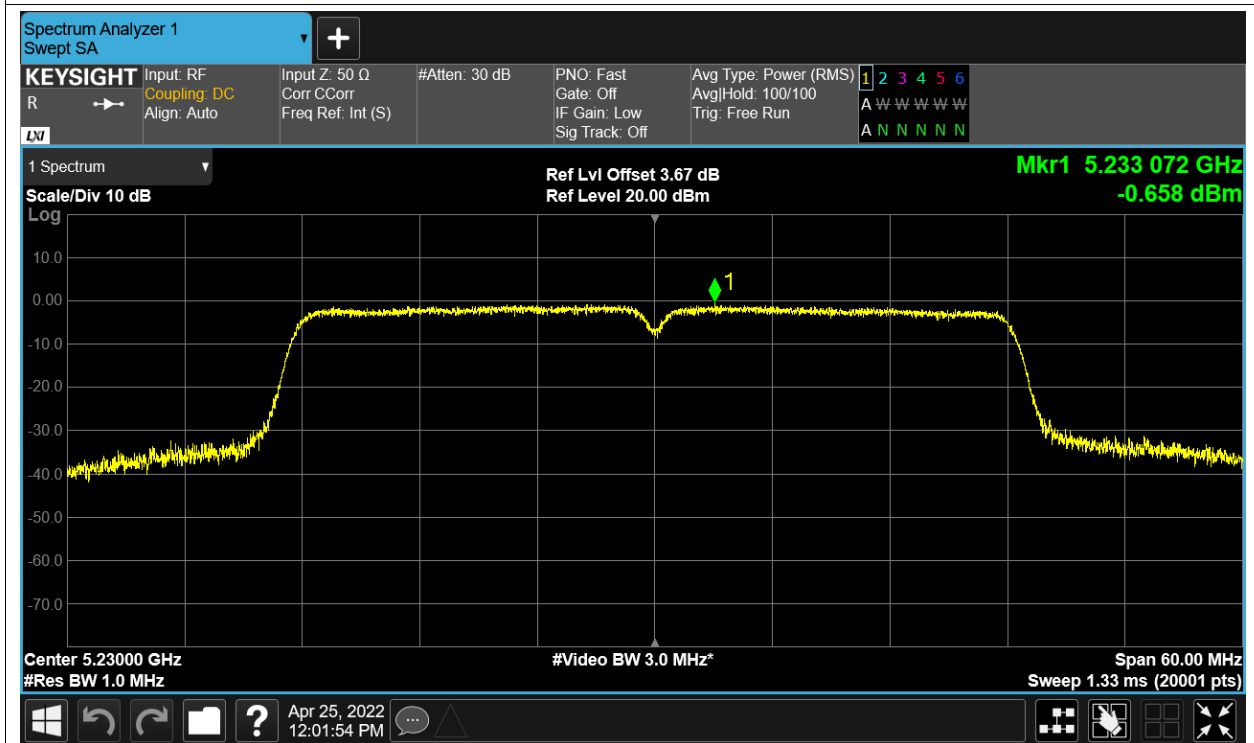
PSD NVNT ac20 5240MHz Ant1



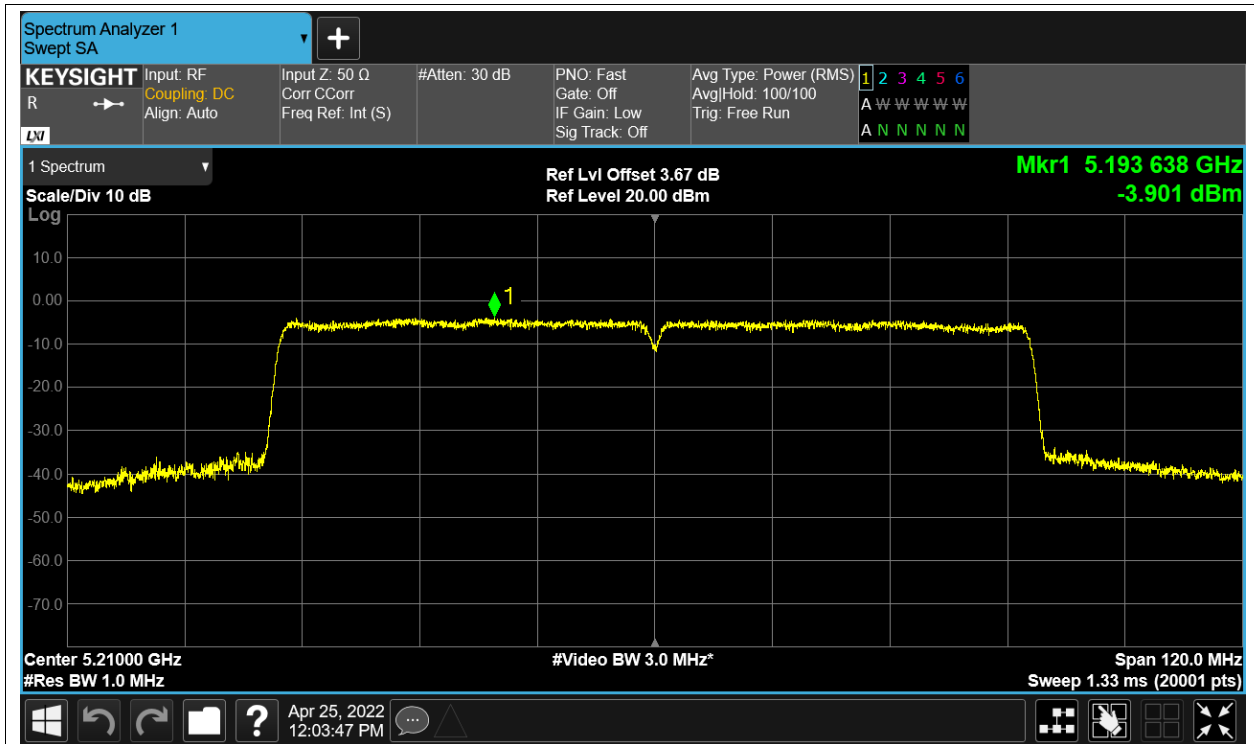
PSD NVNT ac40 5190MHz Ant1



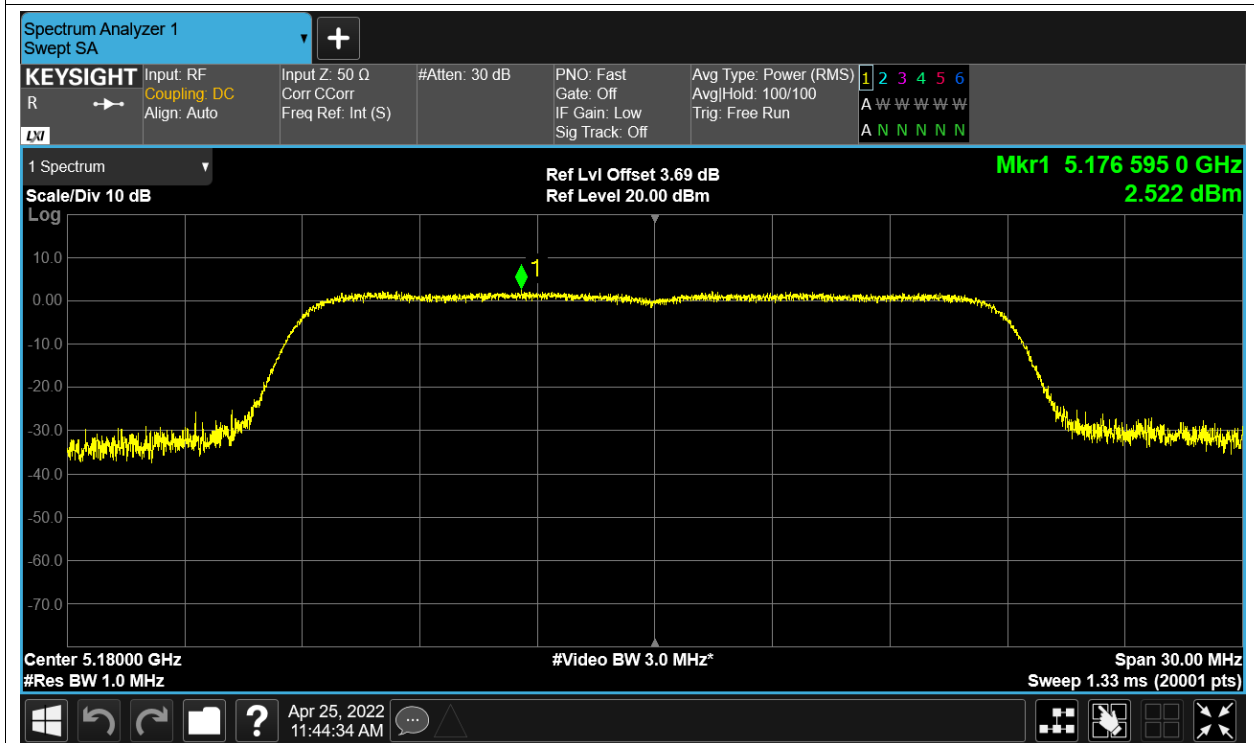
PSD NVNT ac40 5230MHz Ant1



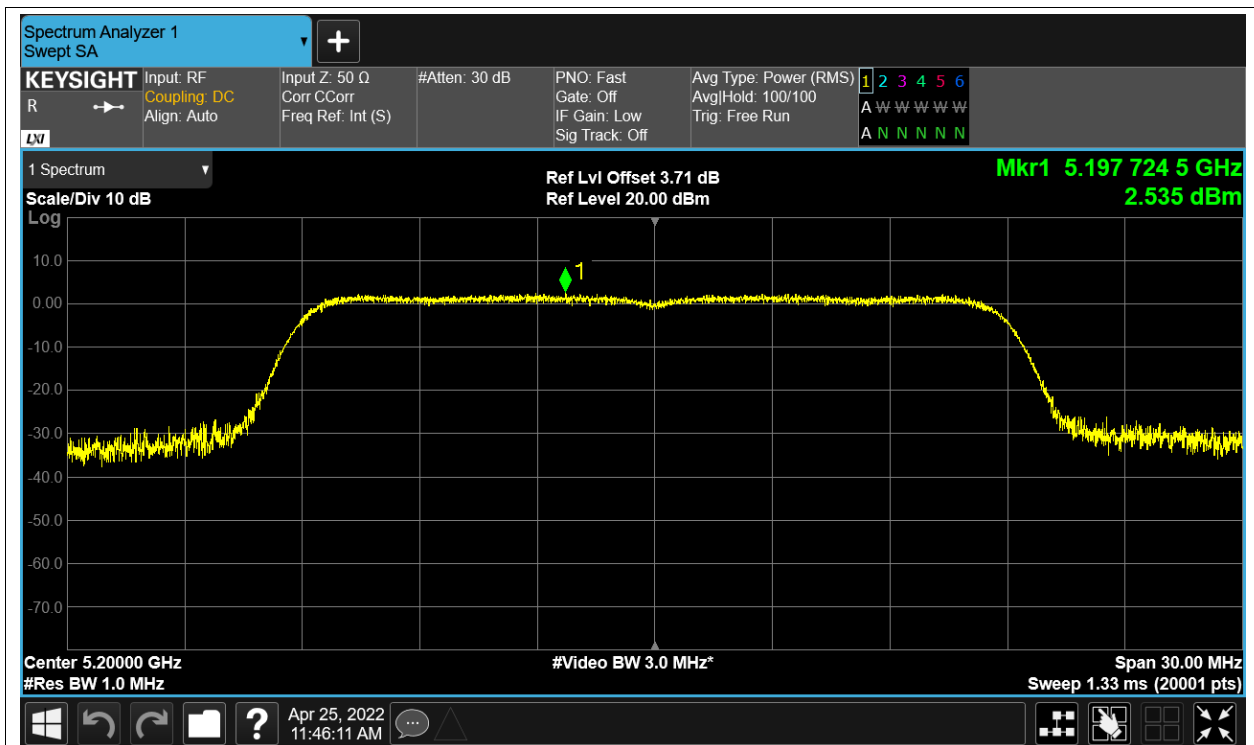
PSD NVNT ac80 5210MHz Ant1



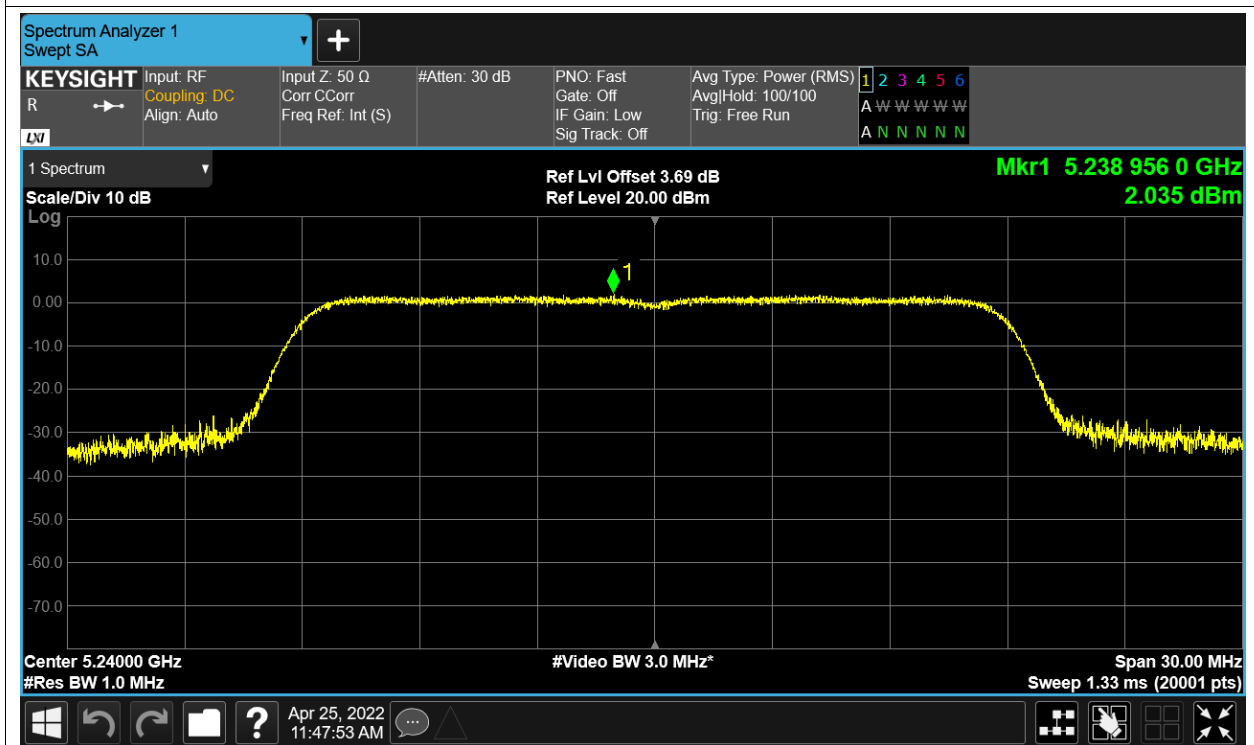
PSD NVNT n20 5180MHz Ant1



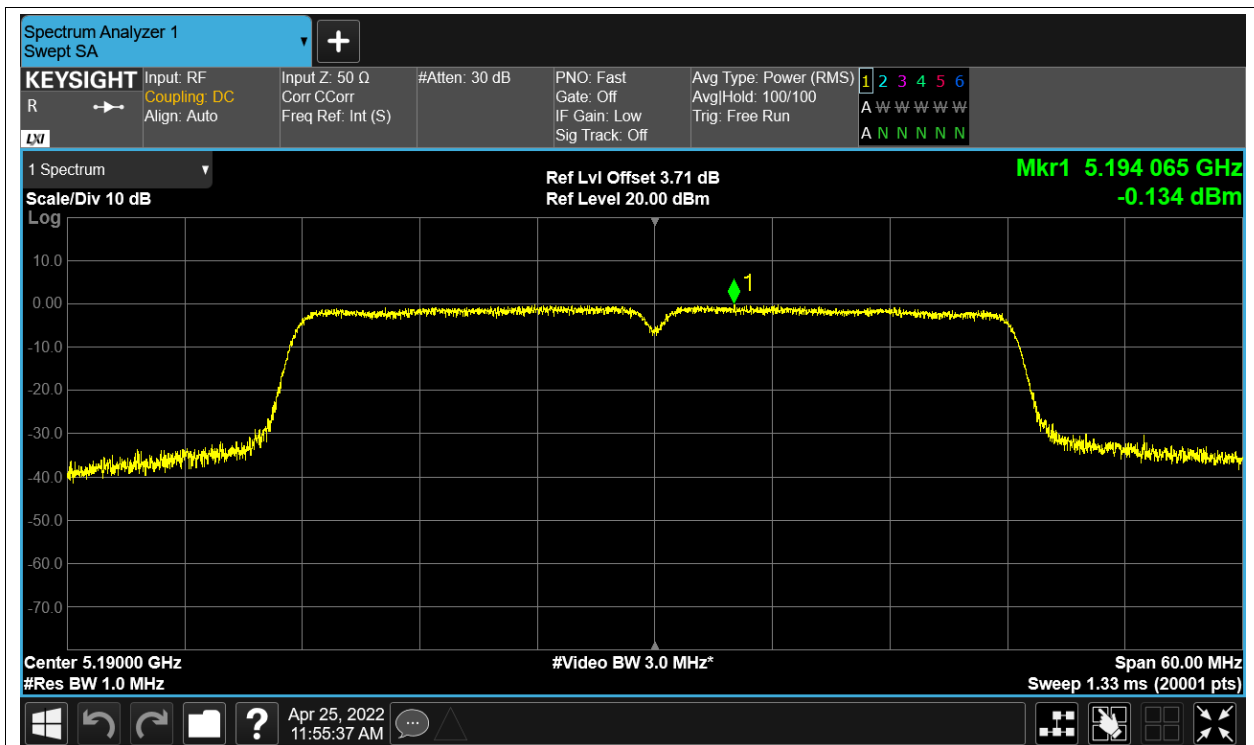
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

