

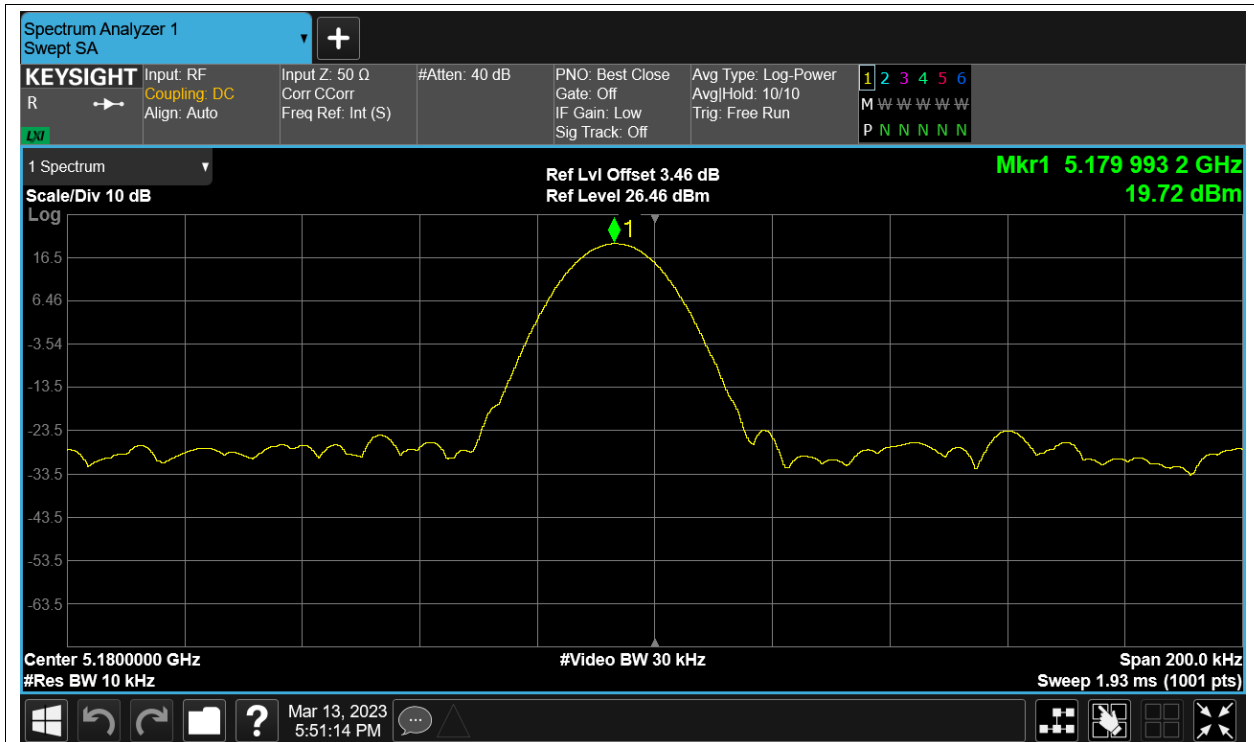
Test Data

Frequency Stability

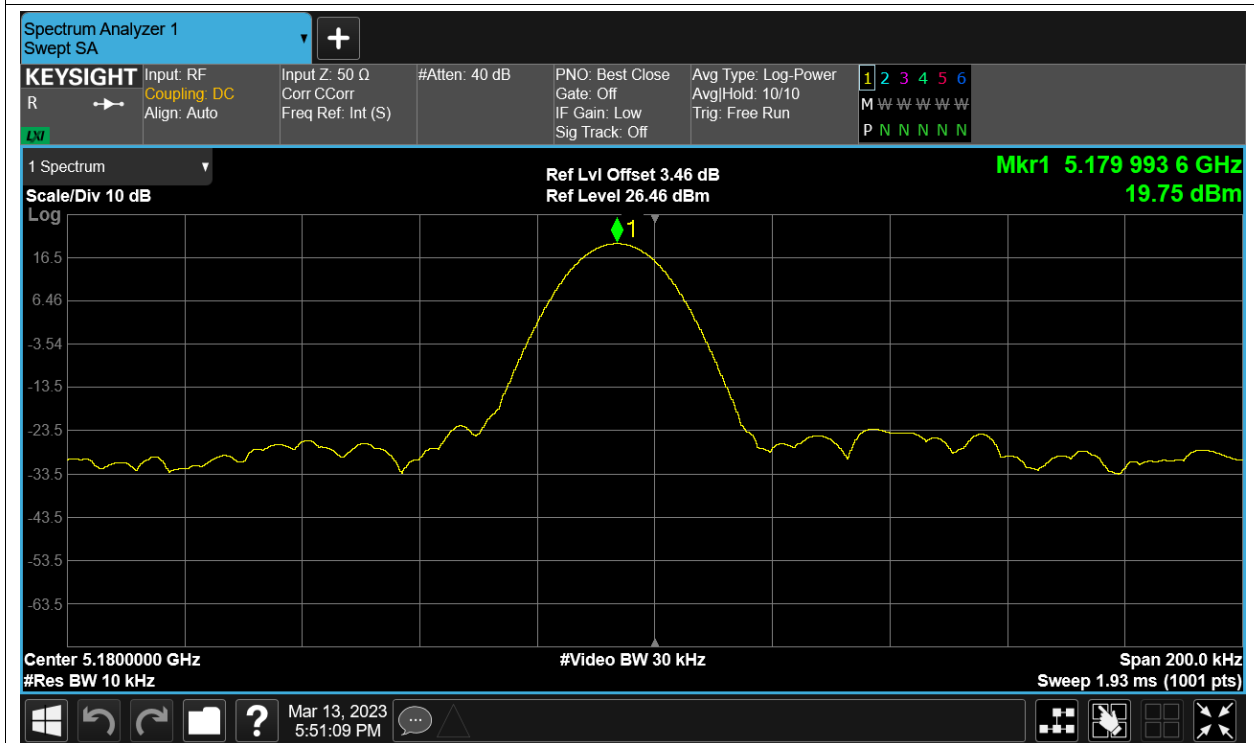
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant6	5179.993	-1.35	Within authorized band	Pass
LVNT	a	5180	Ant6	5179.993	-1.35		Pass
NVHT	a	5180	Ant6	5179.9932	-1.31		Pass
NVLT	a	5180	Ant6	5179.9936	-1.24		Pass
NVNT	a	5180	Ant6	5179.992	-1.54		Pass
HVNT	ac80	5210	Ant6	5209.9892	-2.07		Pass
LVNT	ac80	5210	Ant6	5209.9894	-2.03		Pass
NVHT	ac80	5210	Ant6	5209.9894	-2.03		Pass
NVLT	ac80	5210	Ant6	5209.9896	-2		Pass
NVNT	ac80	5210	Ant6	5209.9895	-2.01		Pass
HVNT	n40	5190	Ant6	5189.9902	-1.89		Pass
LVNT	n40	5190	Ant6	5189.9904	-1.85		Pass
NVHT	n40	5190	Ant6	5189.9906	-1.81		Pass
NVLT	n40	5190	Ant6	5189.9908	-1.77		Pass
NVNT	n40	5190	Ant6	5189.991	-1.73		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.

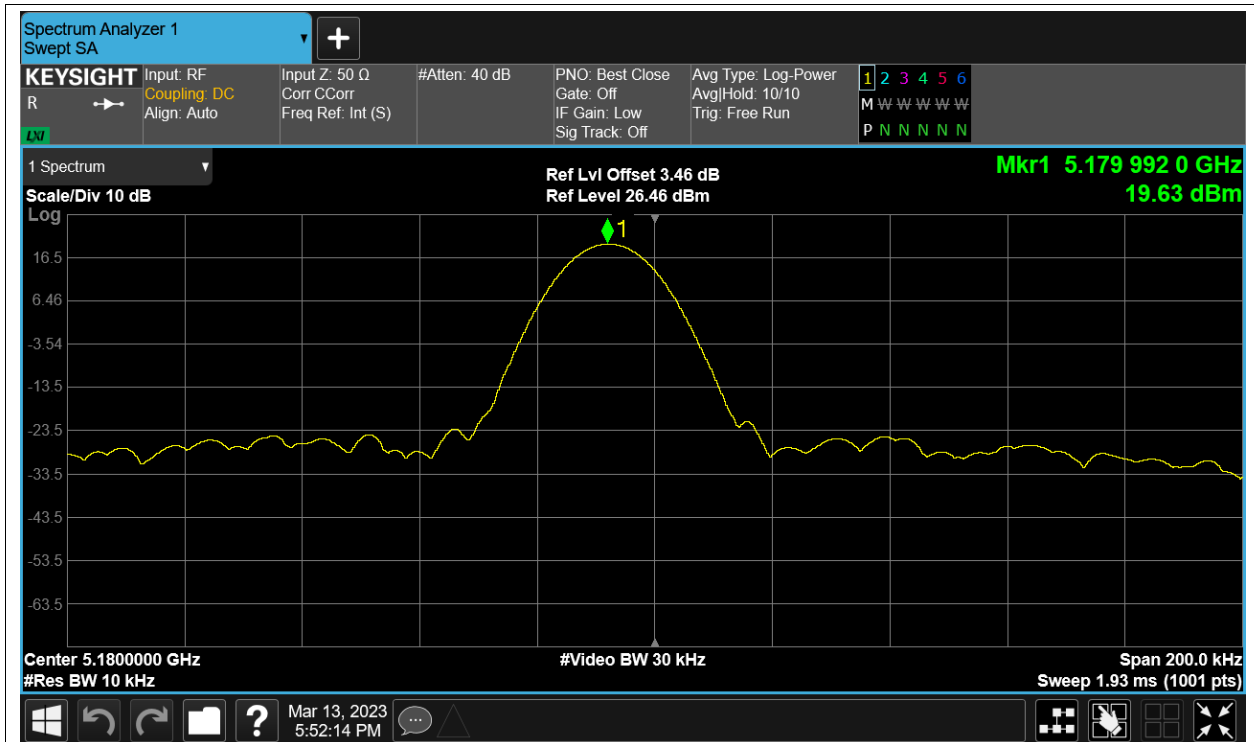




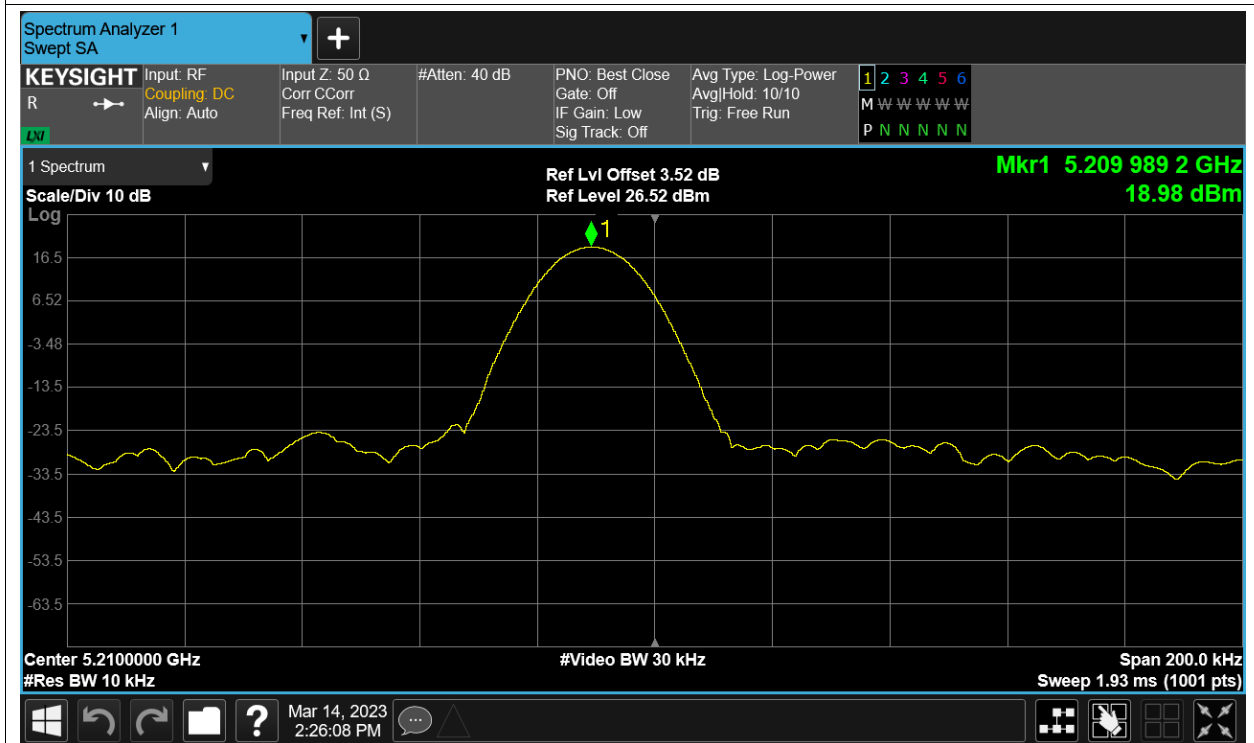
Freq. Stability NVLT a 5180MHz Ant6



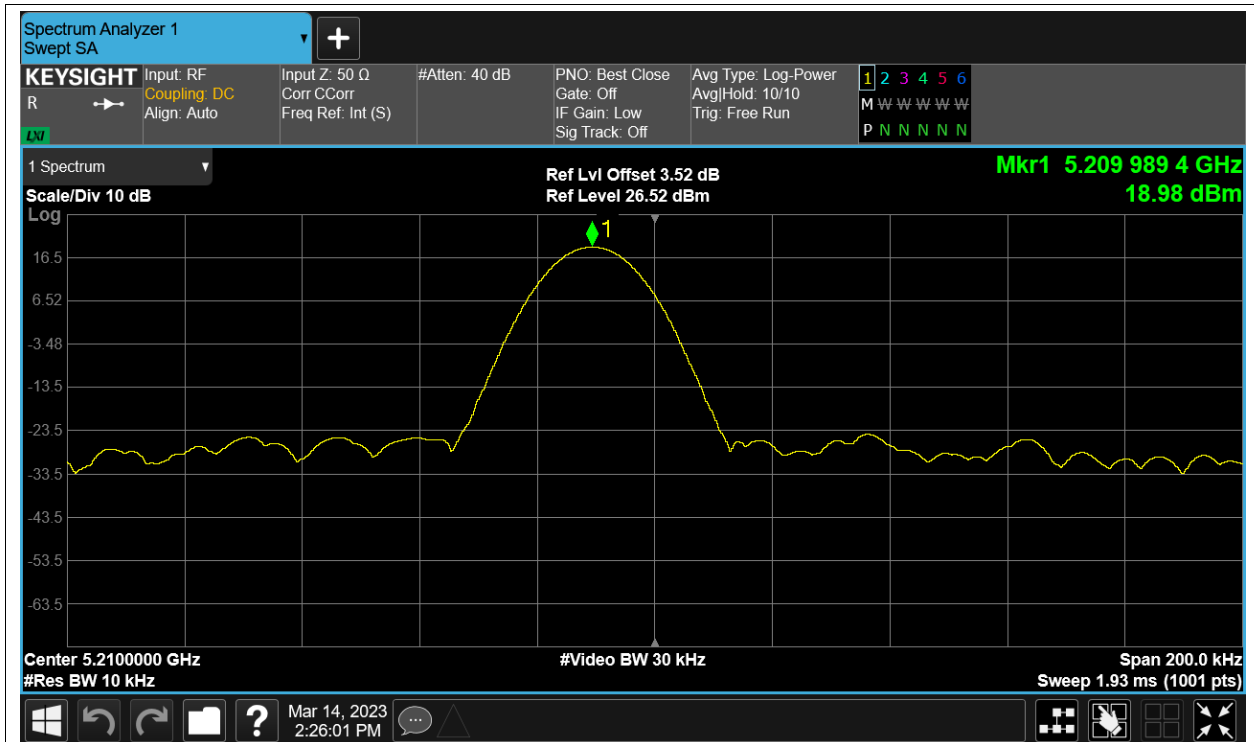
Freq. Stability NVNT a 5180MHz Ant6



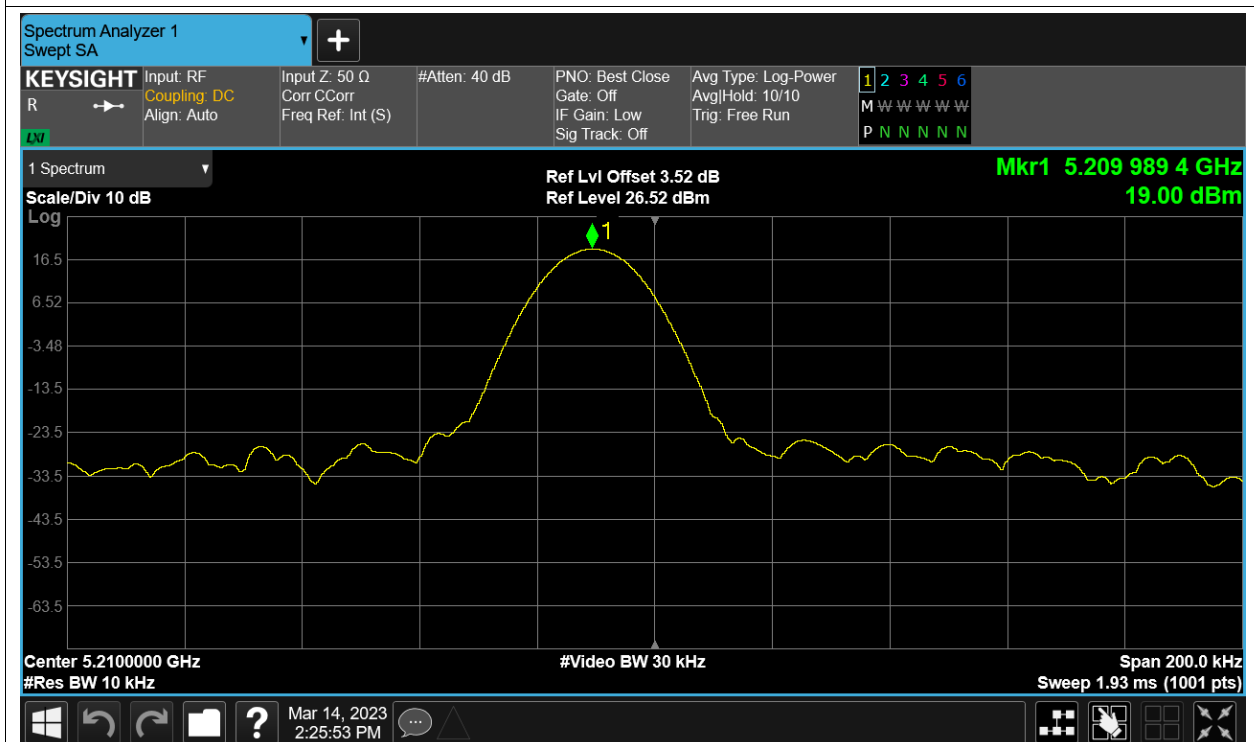
Freq. Stability HVNT ac80 5210MHz Ant6



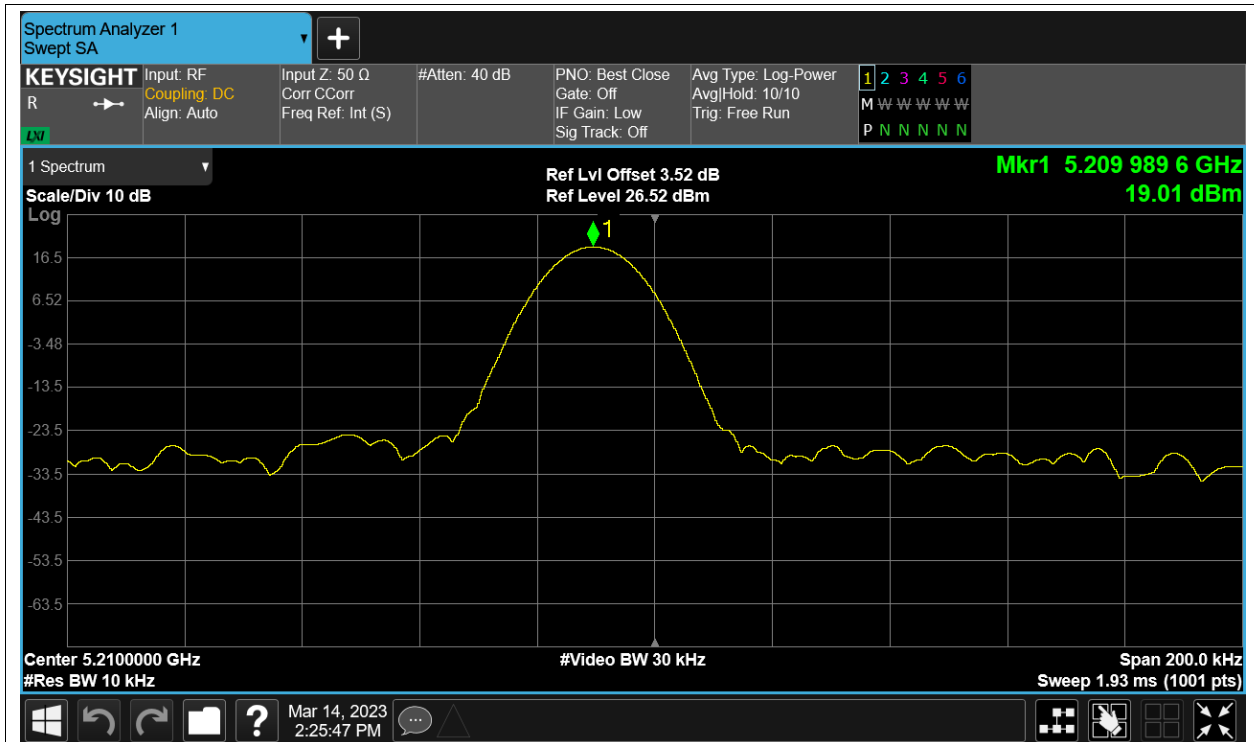
Freq. Stability LVNT ac80 5210MHz Ant6



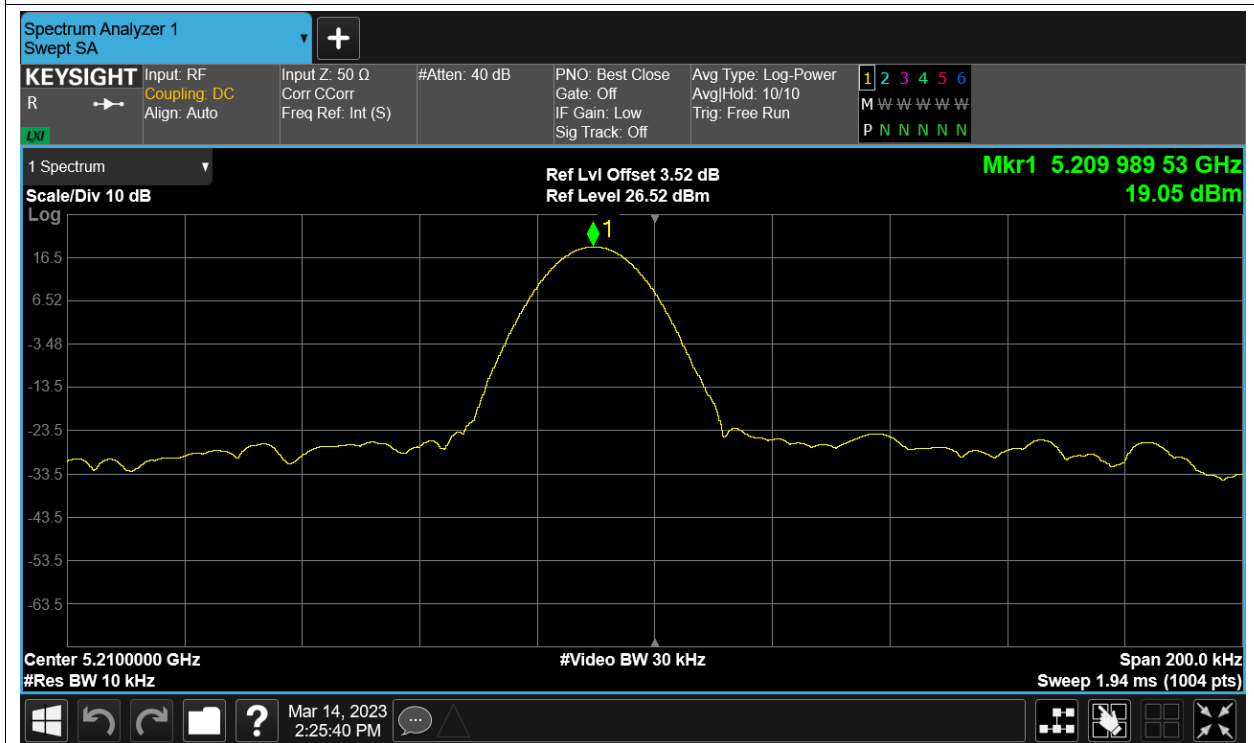
Freq. Stability NVHT ac80 5210MHz Ant6



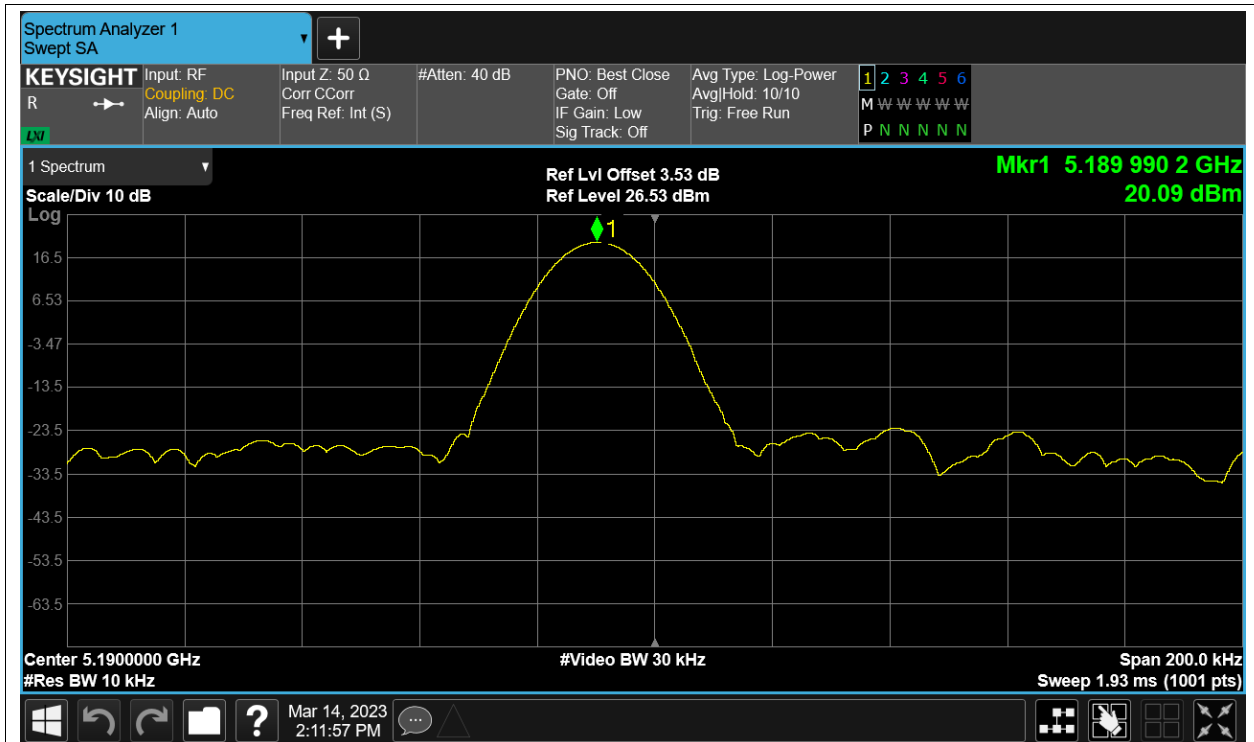
Freq. Stability NVLT ac80 5210MHz Ant6



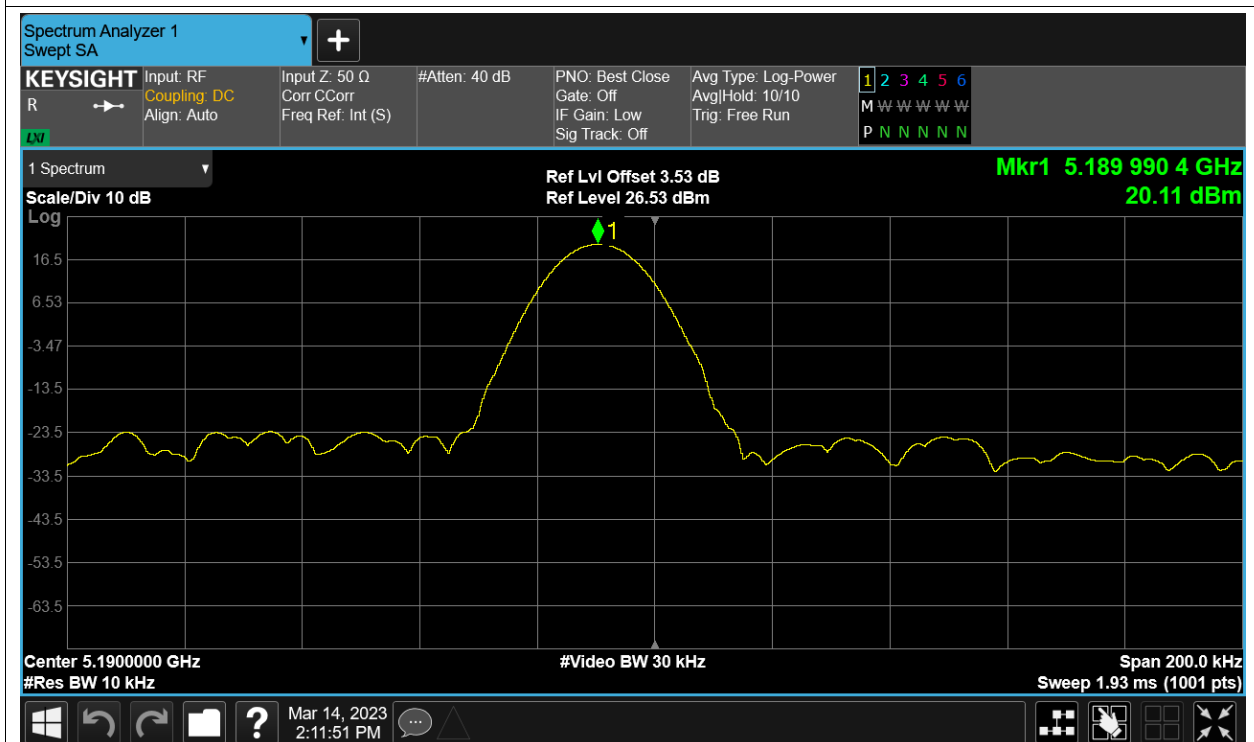
Freq. Stability NVNT ac80 5210MHz Ant6



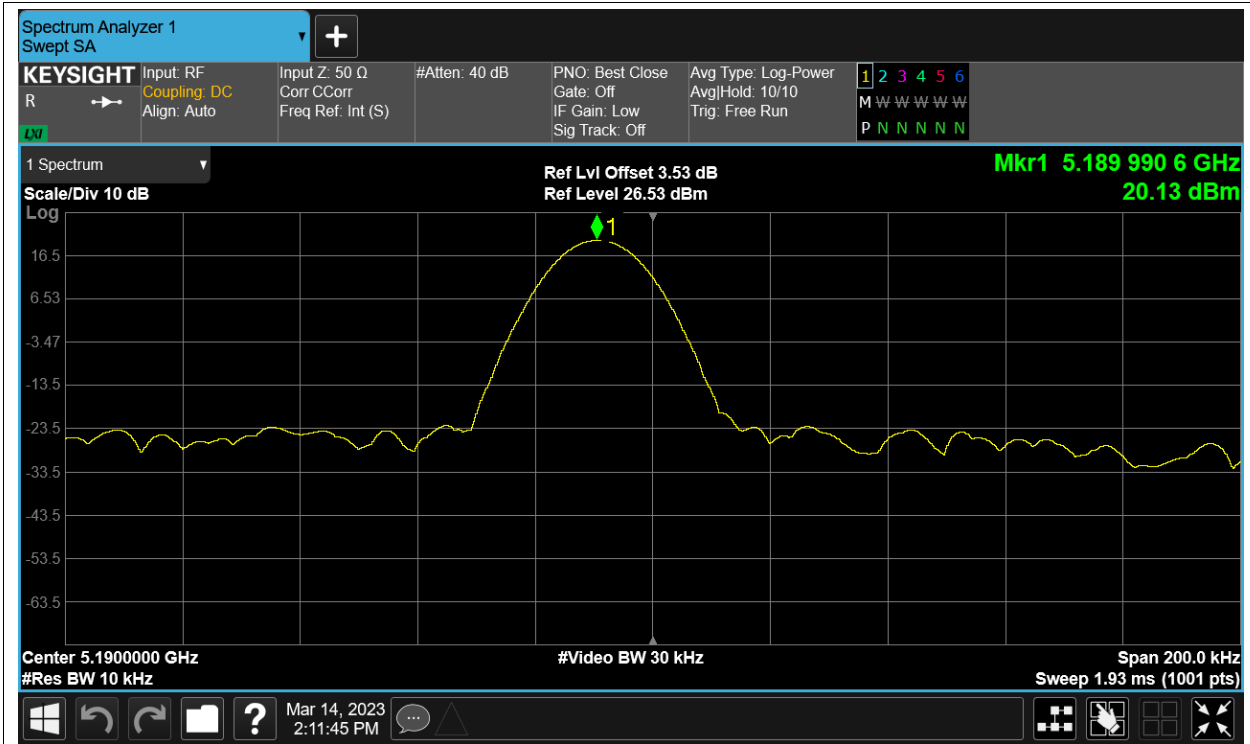
Freq. Stability HVNT n40 5190MHz Ant6



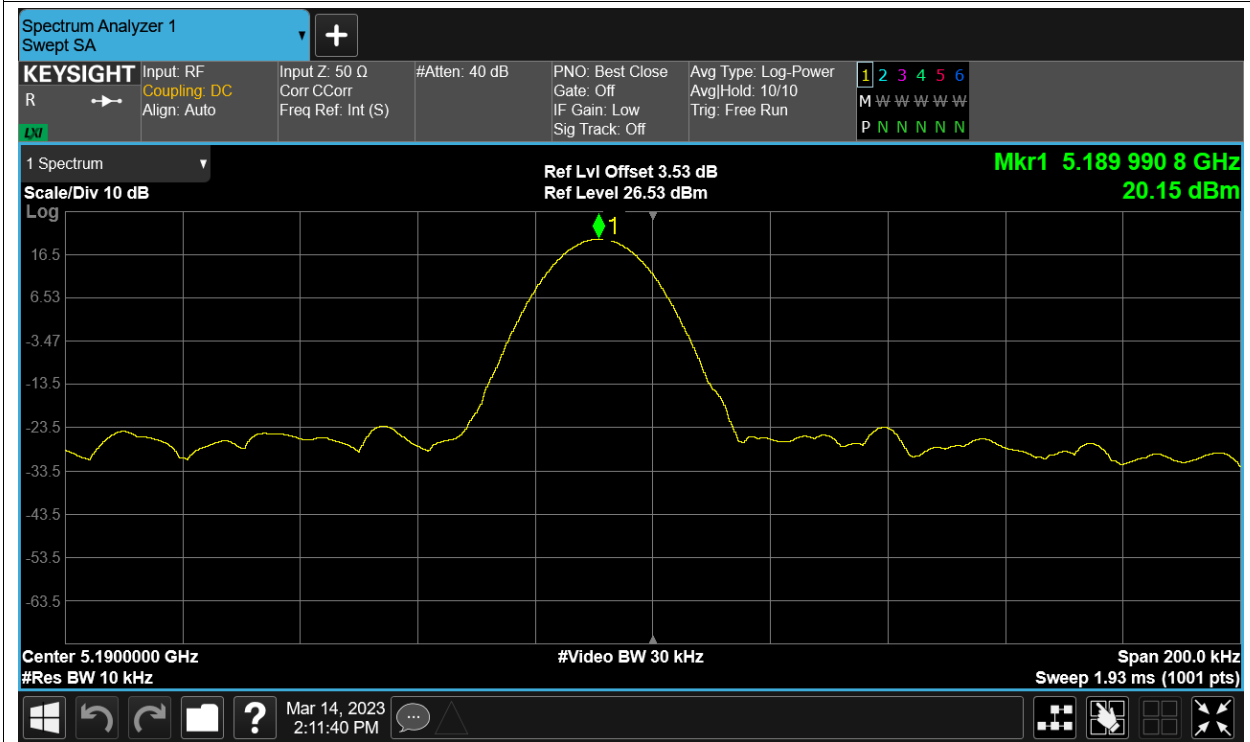
Freq. Stability LVNT n40 5190MHz Ant6



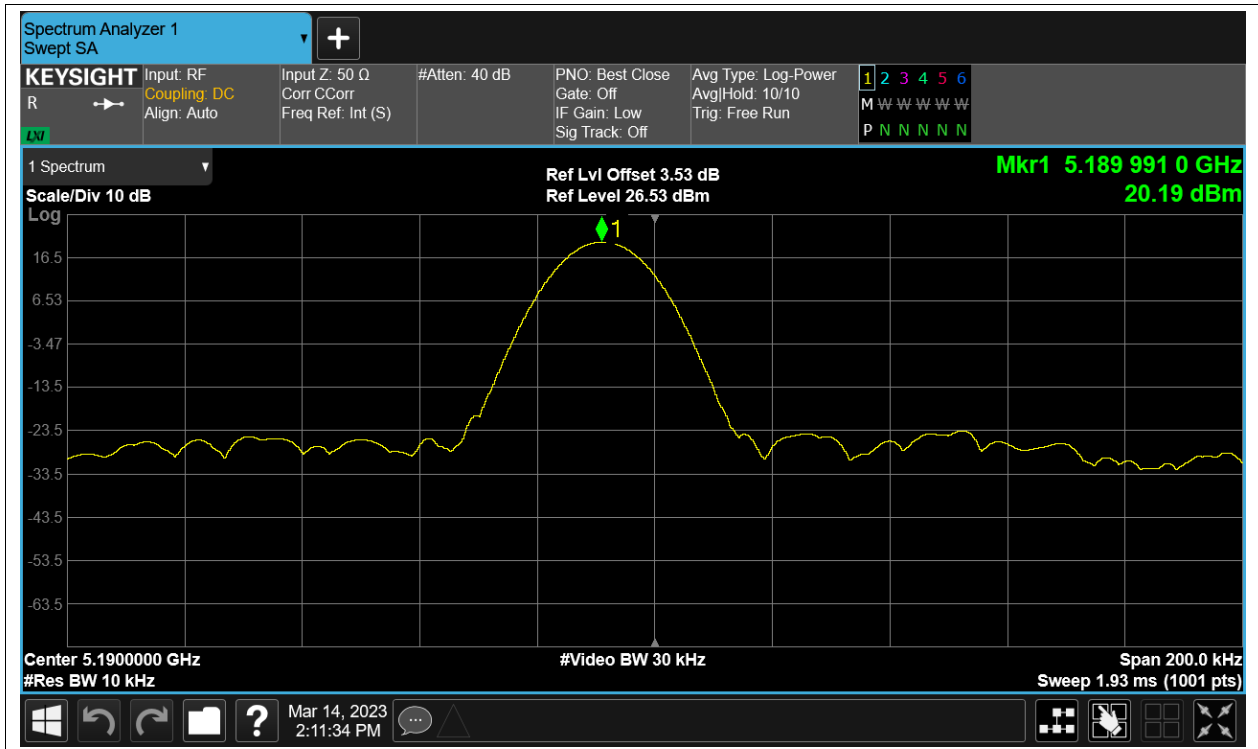
Freq. Stability NVHT n40 5190MHz Ant6



Freq. Stability NVLT n40 5190MHz Ant6



Freq. Stability NVNT n40 5190MHz Ant6

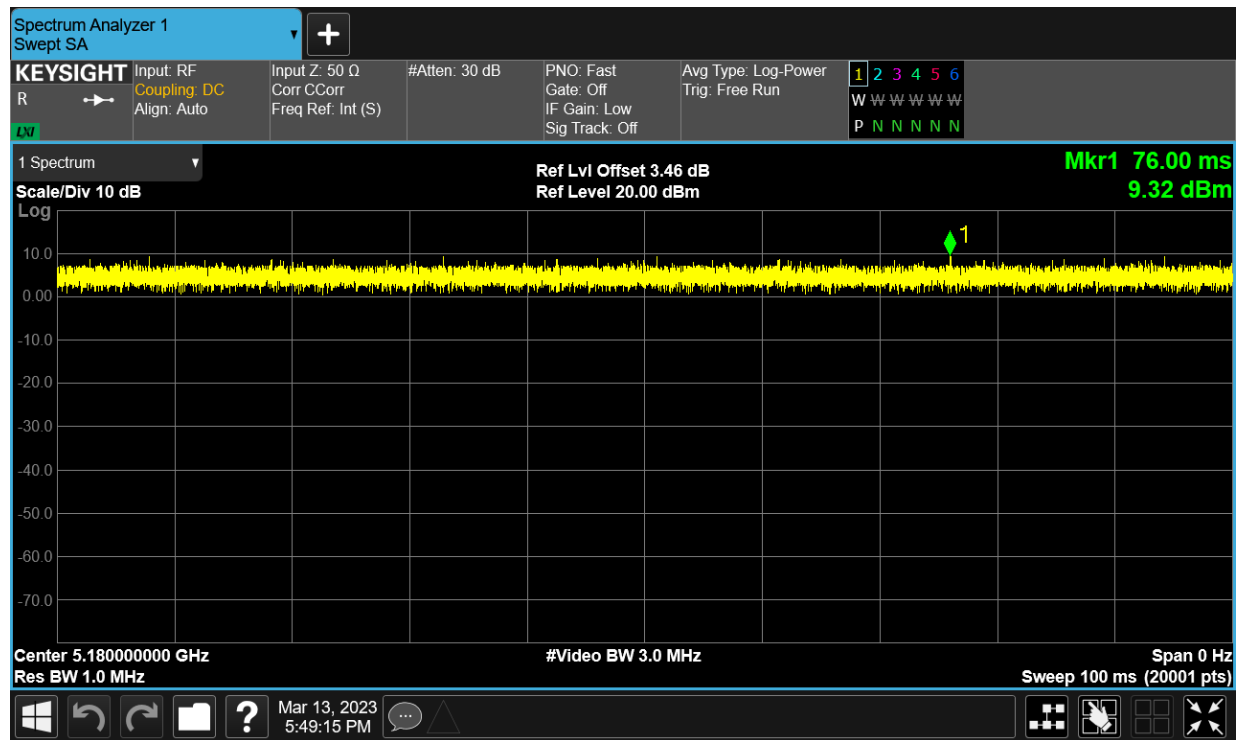


Duty Cycle

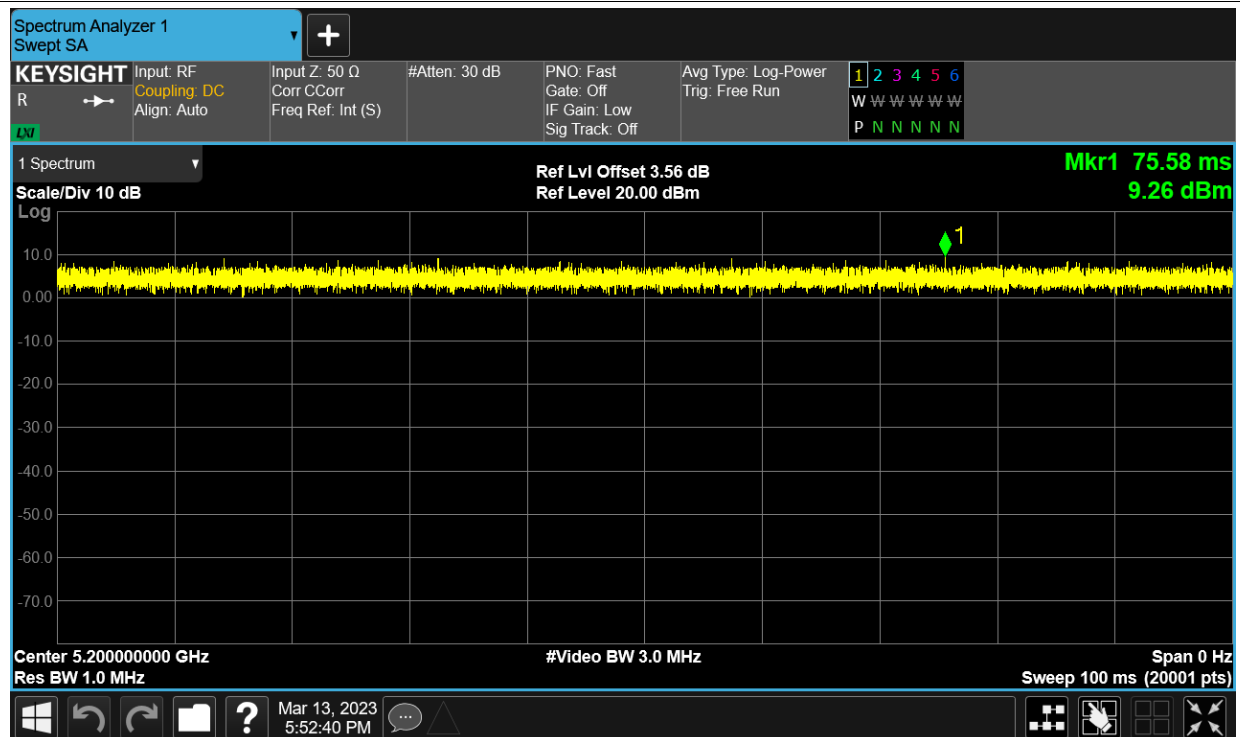
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant6	100	0
NVNT	a	5200	Ant6	100	0
NVNT	a	5240	Ant6	100	0
NVNT	ac20	5180	Ant6	100	0
NVNT	ac20	5200	Ant6	100	0
NVNT	ac20	5240	Ant6	100	0
NVNT	ac40	5190	Ant6	100	0
NVNT	ac40	5230	Ant6	100	0
NVNT	ac80	5210	Ant6	100	0
NVNT	n20	5180	Ant6	100	0
NVNT	n20	5200	Ant6	100	0
NVNT	n20	5240	Ant6	100	0
NVNT	n40	5190	Ant6	100	0
NVNT	n40	5230	Ant6	100	0

Test Graphs

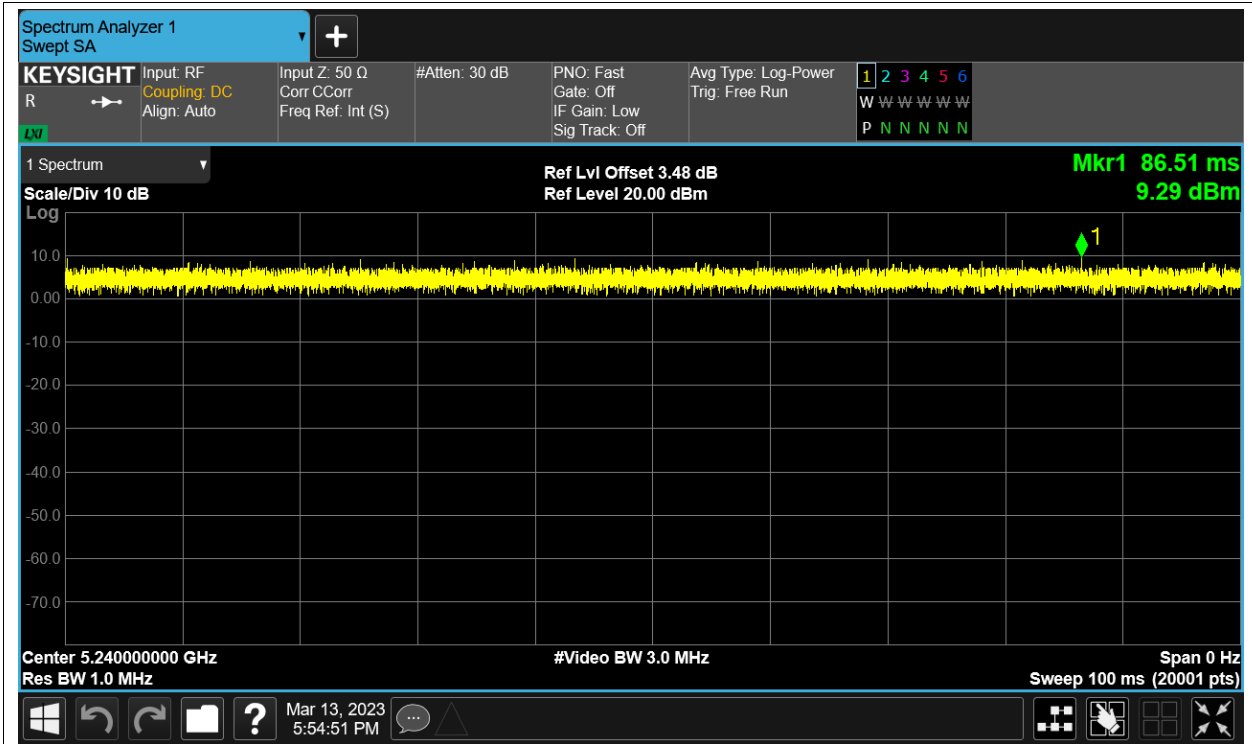
Duty Cycle NVNT a 5180MHz Ant6



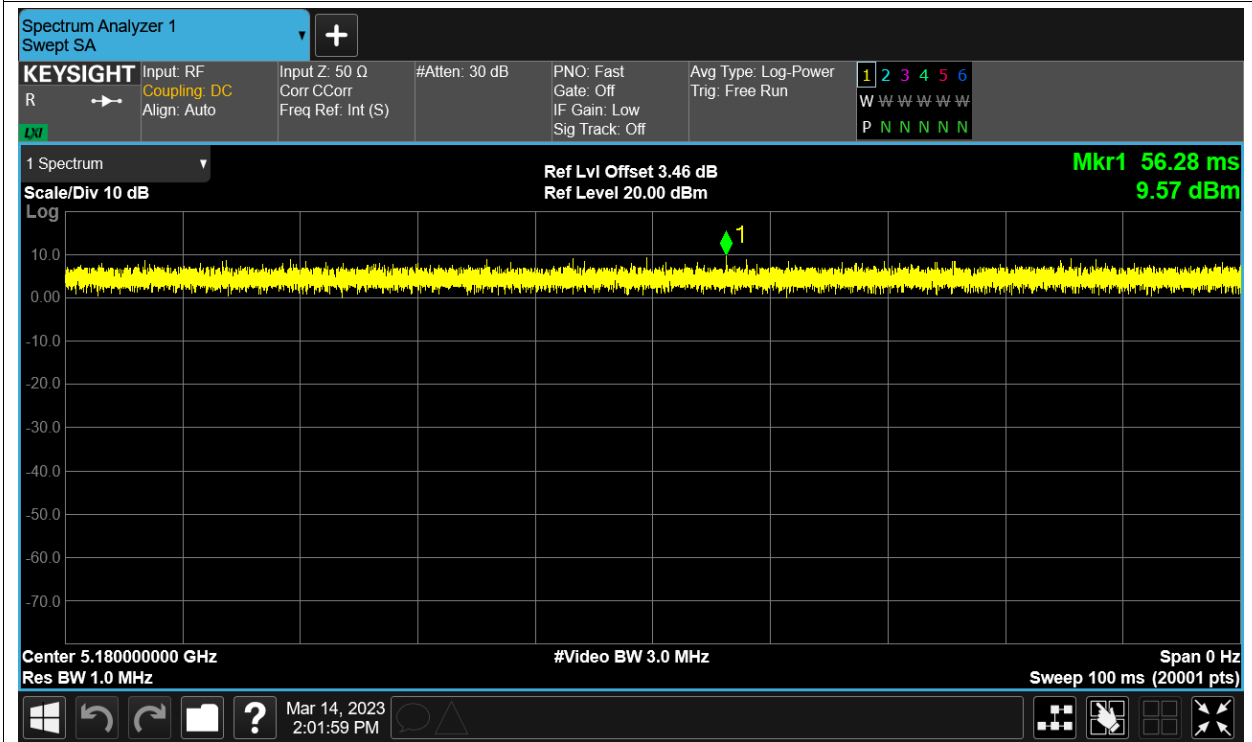
Duty Cycle NVNT a 5200MHz Ant6



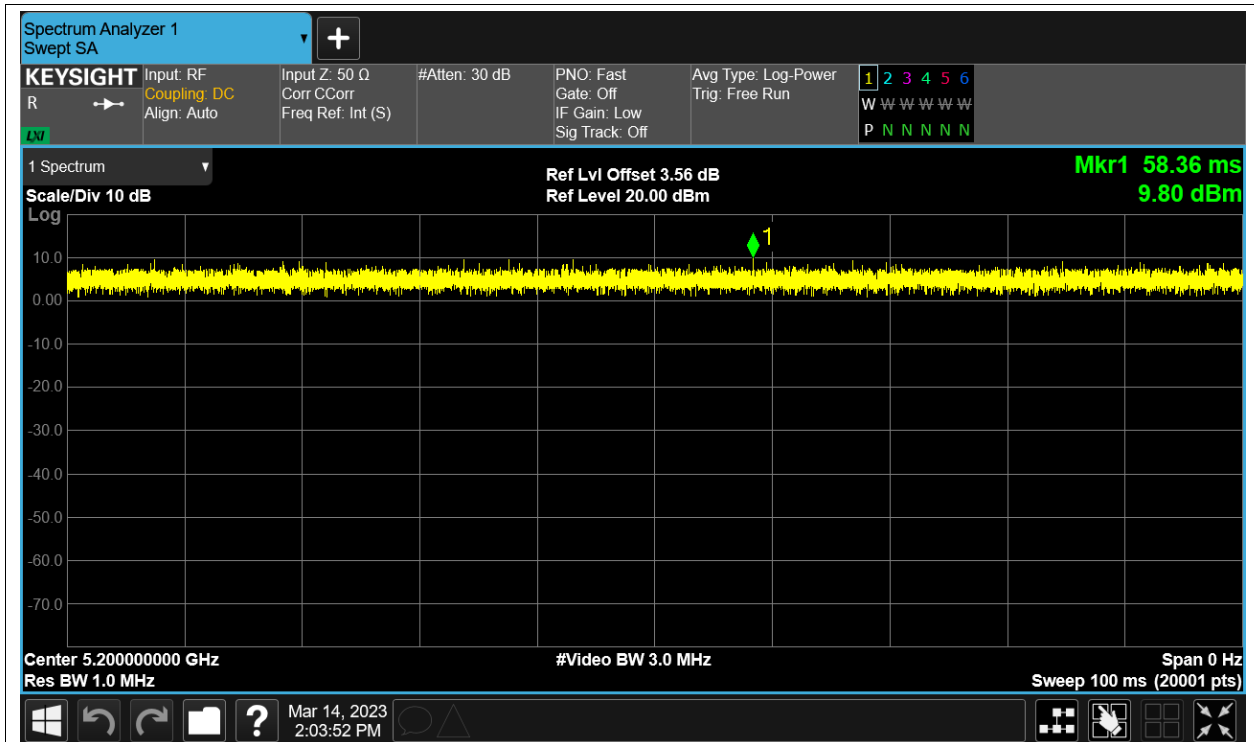
Duty Cycle NVNT a 5240MHz Ant6



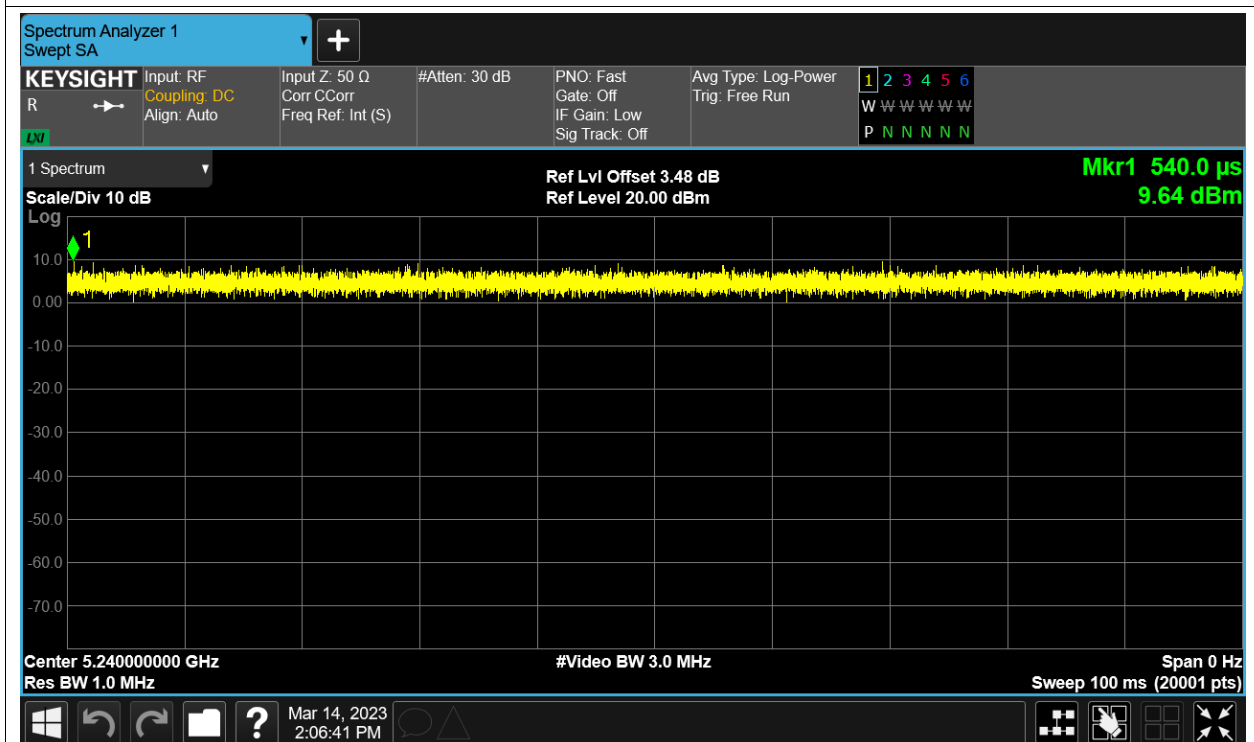
Duty Cycle NVNT ac20 5180MHz Ant6



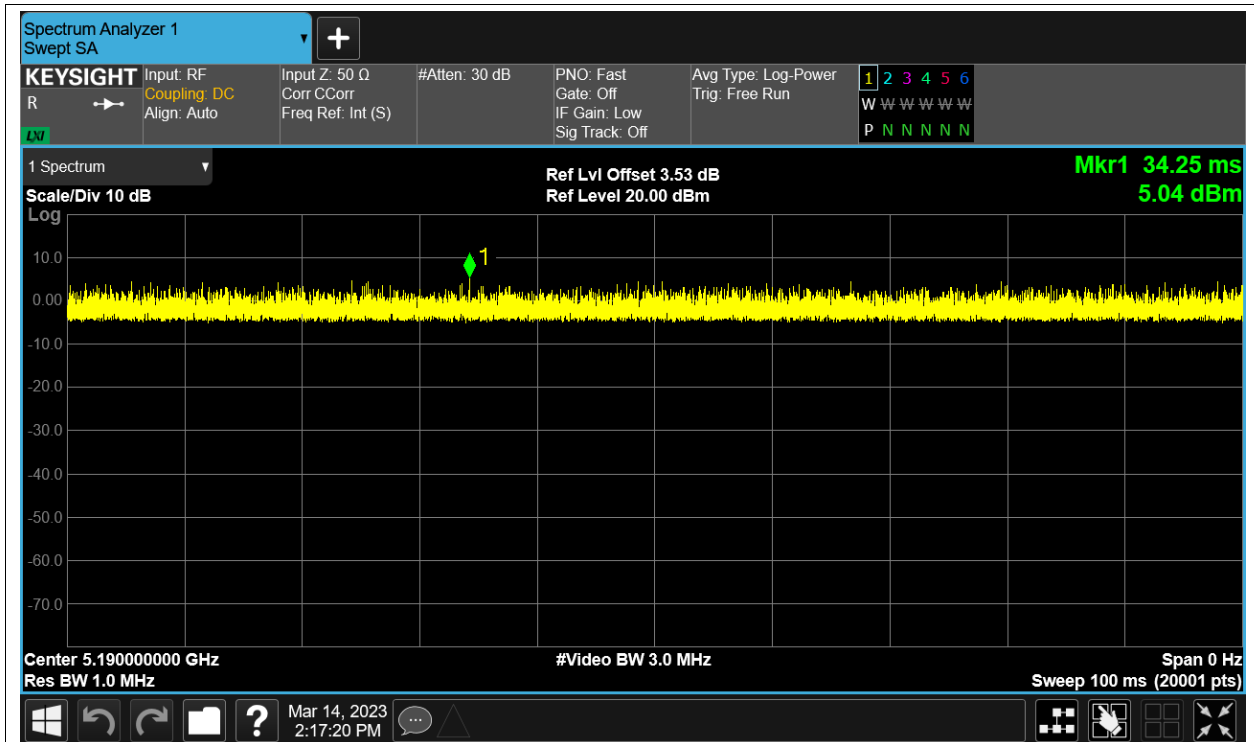
Duty Cycle NVNT ac20 5200MHz Ant6



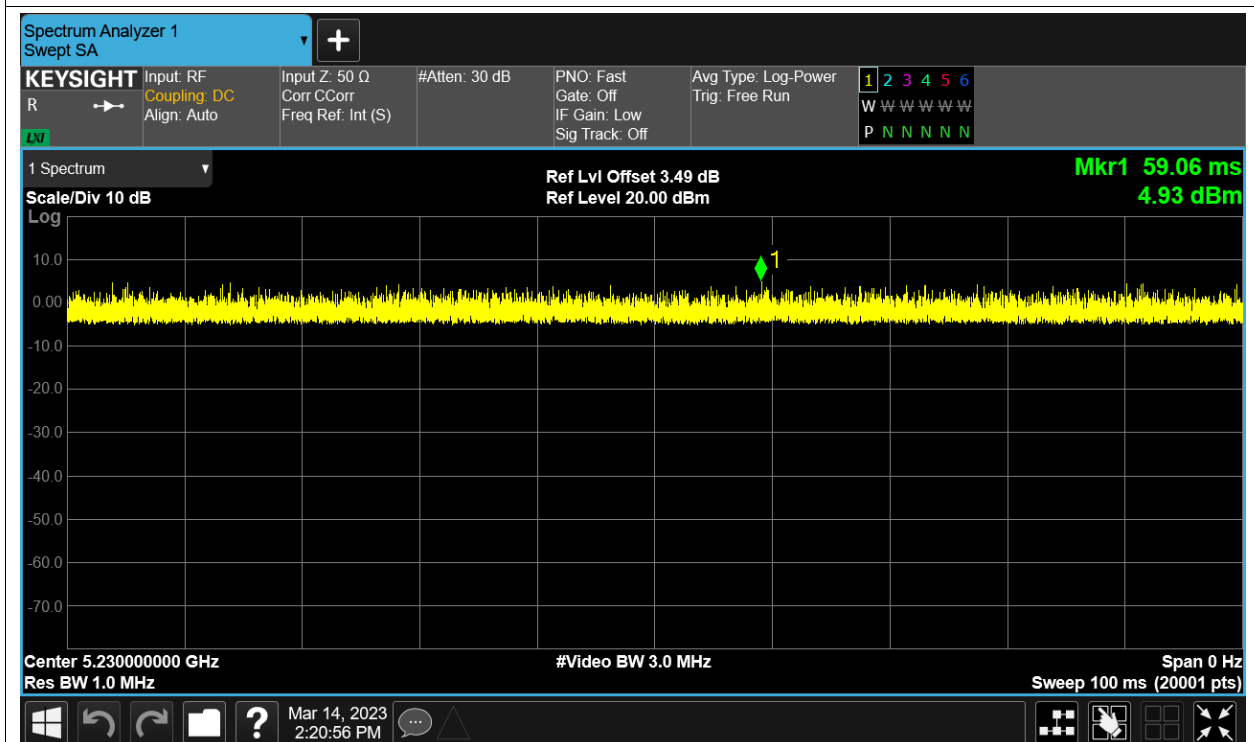
Duty Cycle NVNT ac20 5240MHz Ant6



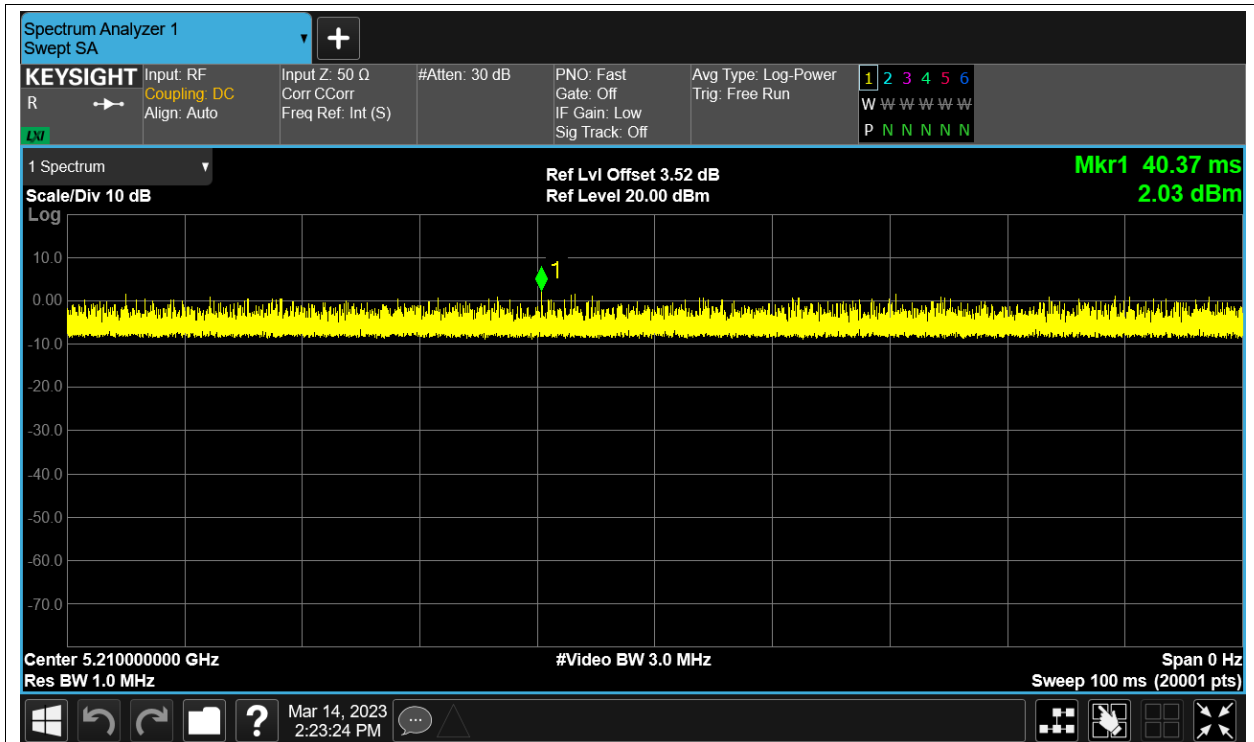
Duty Cycle NVNT ac40 5190MHz Ant6



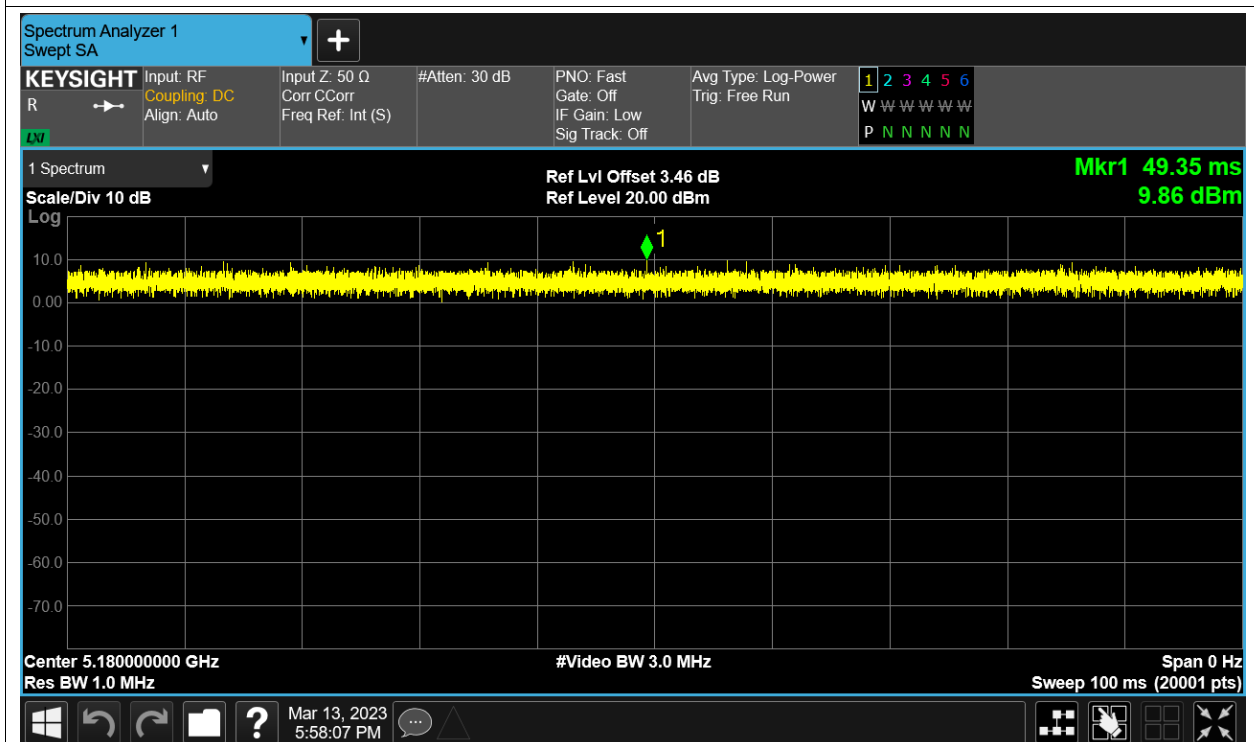
Duty Cycle NVNT ac40 5230MHz Ant6



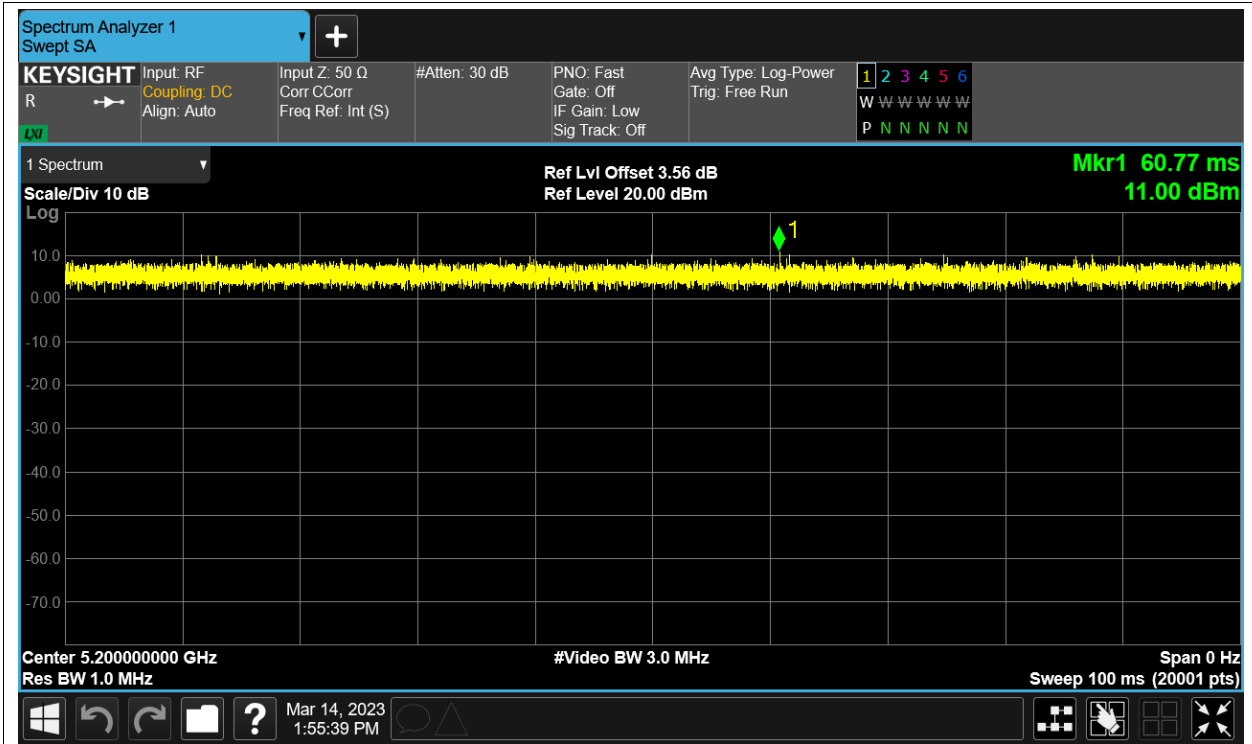
Duty Cycle NVNT ac80 5210MHz Ant6



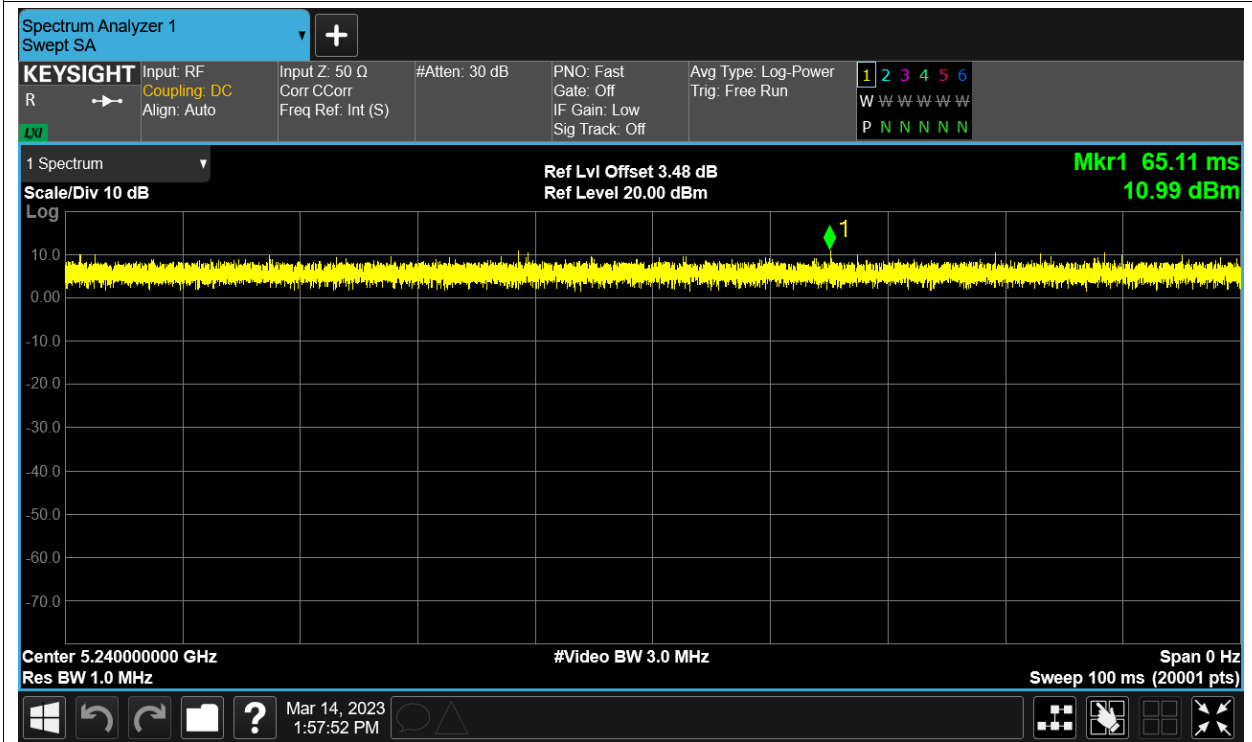
Duty Cycle NVNT n20 5180MHz Ant6



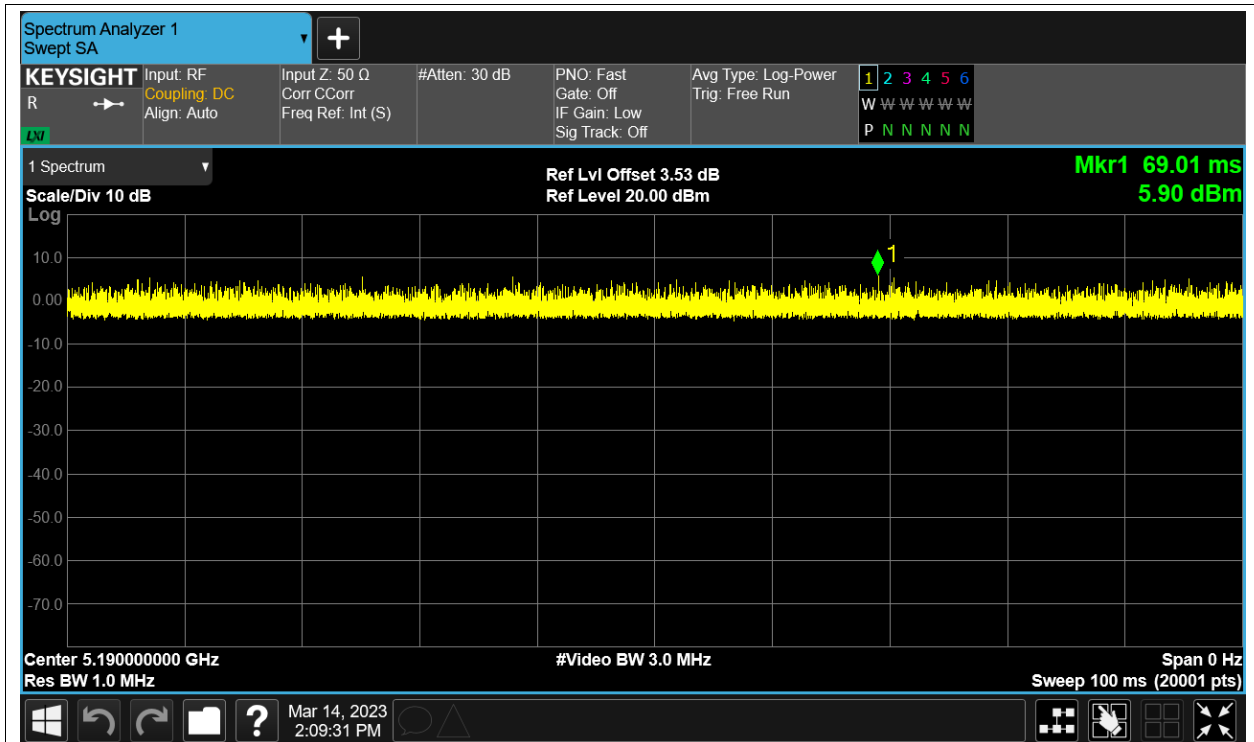
Duty Cycle NVNT n20 5200MHz Ant6



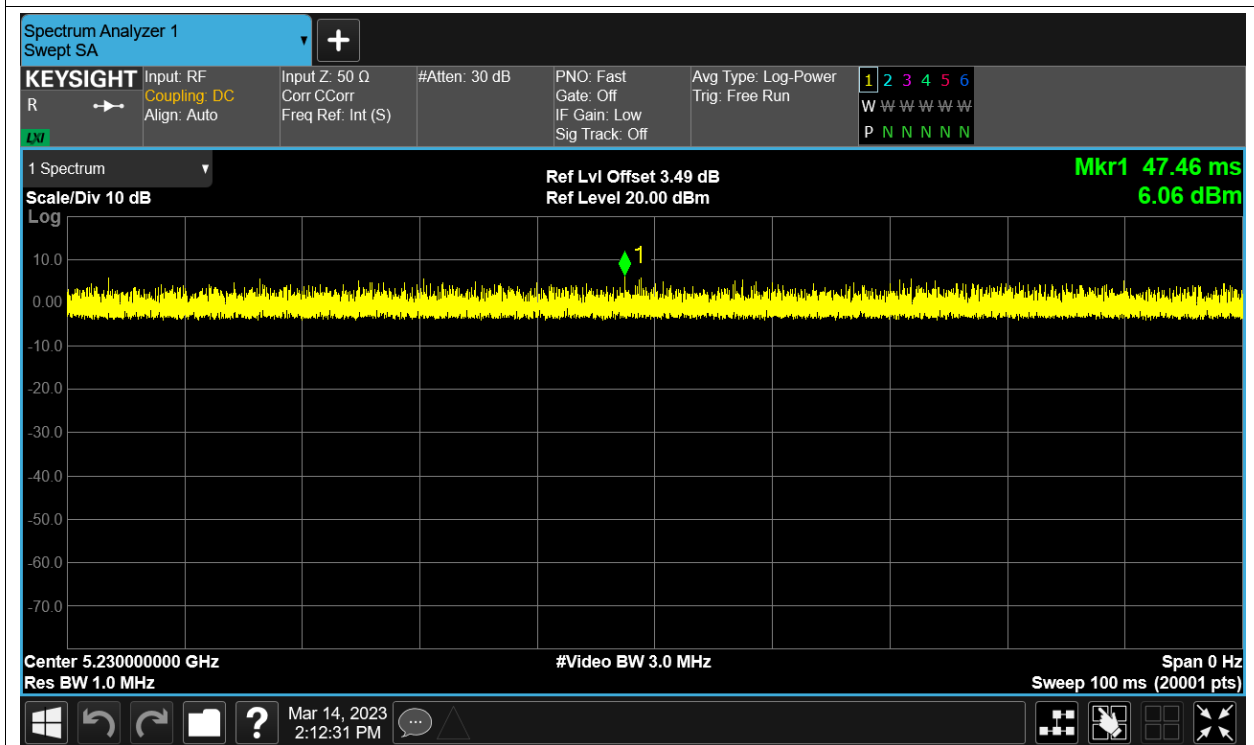
Duty Cycle NVNT n20 5240MHz Ant6



Duty Cycle NVNT n40 5190MHz Ant6



Duty Cycle NVNT n40 5230MHz Ant6



Maximum Conducted Output Power

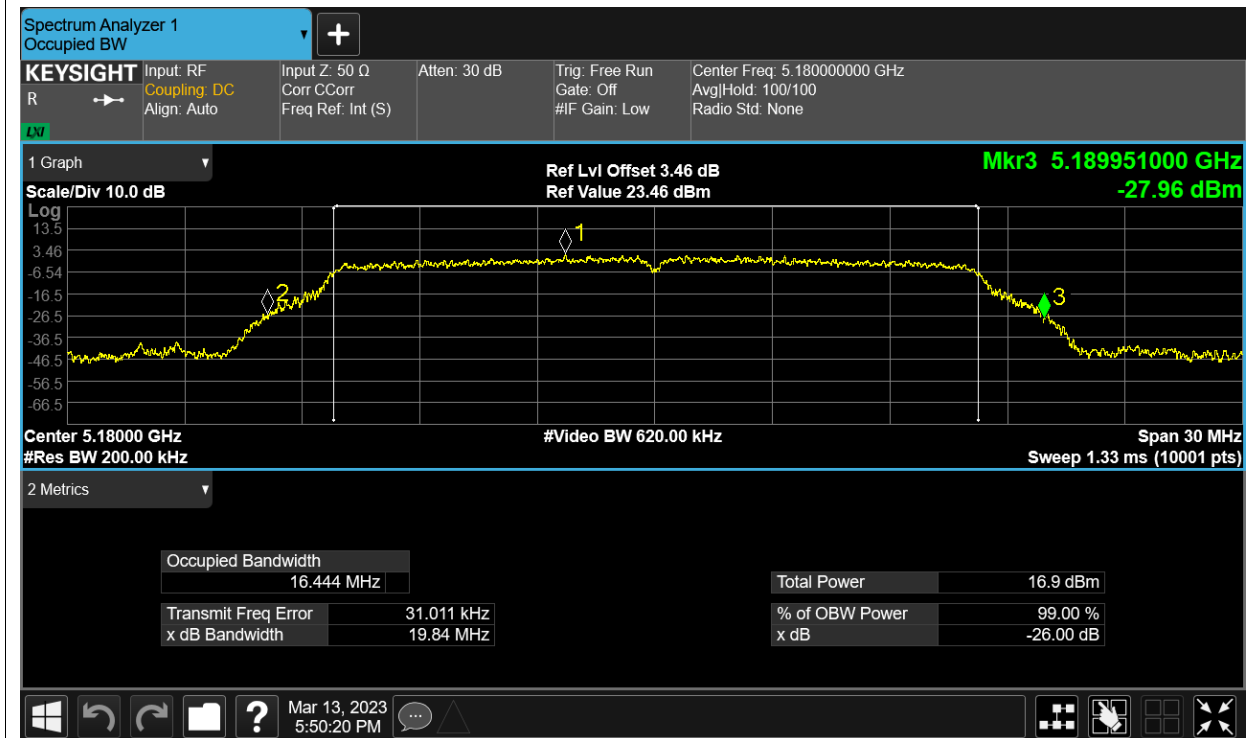
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant6	12.11	0	12.11	24	Pass
NVNT	a	5200	Ant6	11.23	0	11.23	24	Pass
NVNT	a	5240	Ant6	11.94	0	11.94	24	Pass
NVNT	ac20	5180	Ant6	12.18	0	12.18	24	Pass
NVNT	ac20	5200	Ant6	11.92	0	11.92	24	Pass
NVNT	ac20	5240	Ant6	12.2	0	12.2	24	Pass
NVNT	ac40	5190	Ant6	11.96	0	11.96	24	Pass
NVNT	ac40	5230	Ant6	12.29	0	12.29	24	Pass
NVNT	ac80	5210	Ant6	11.43	0	11.43	24	Pass
NVNT	n20	5180	Ant6	12.5	0	12.5	24	Pass
NVNT	n20	5200	Ant6	12.79	0	12.79	24	Pass
NVNT	n20	5240	Ant6	13.45	0	13.45	24	Pass
NVNT	n40	5190	Ant6	12.68	0	12.68	24	Pass
NVNT	n40	5230	Ant6	13.54	0	13.54	24	Pass

-26dB Bandwidth

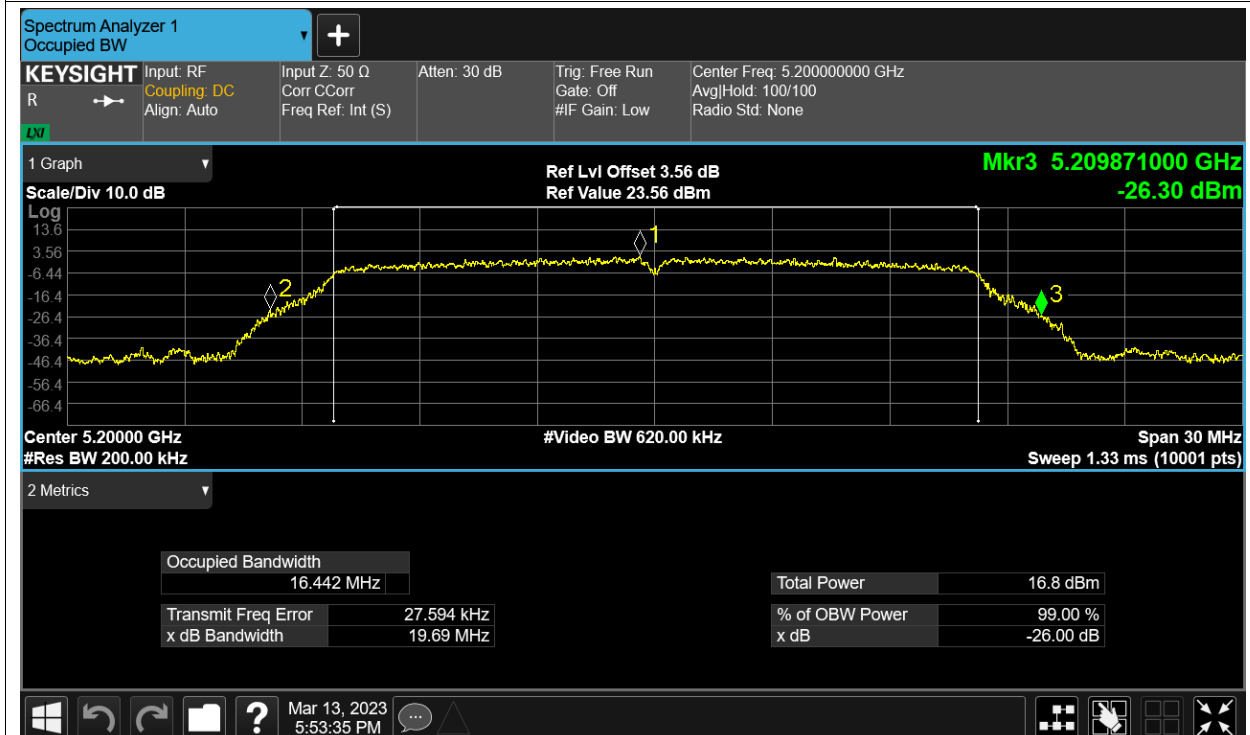
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant6	19.84
NVNT	a	5200	Ant6	19.688
NVNT	a	5240	Ant6	19.81
NVNT	ac20	5180	Ant6	20.171
NVNT	ac20	5200	Ant6	19.986
NVNT	ac20	5240	Ant6	20.022
NVNT	ac40	5190	Ant6	39.167
NVNT	ac40	5230	Ant6	39.292
NVNT	ac80	5210	Ant6	78.727
NVNT	n20	5180	Ant6	20.29
NVNT	n20	5200	Ant6	19.854
NVNT	n20	5240	Ant6	20.059
NVNT	n40	5190	Ant6	39.785
NVNT	n40	5230	Ant6	39.396

Test Graphs

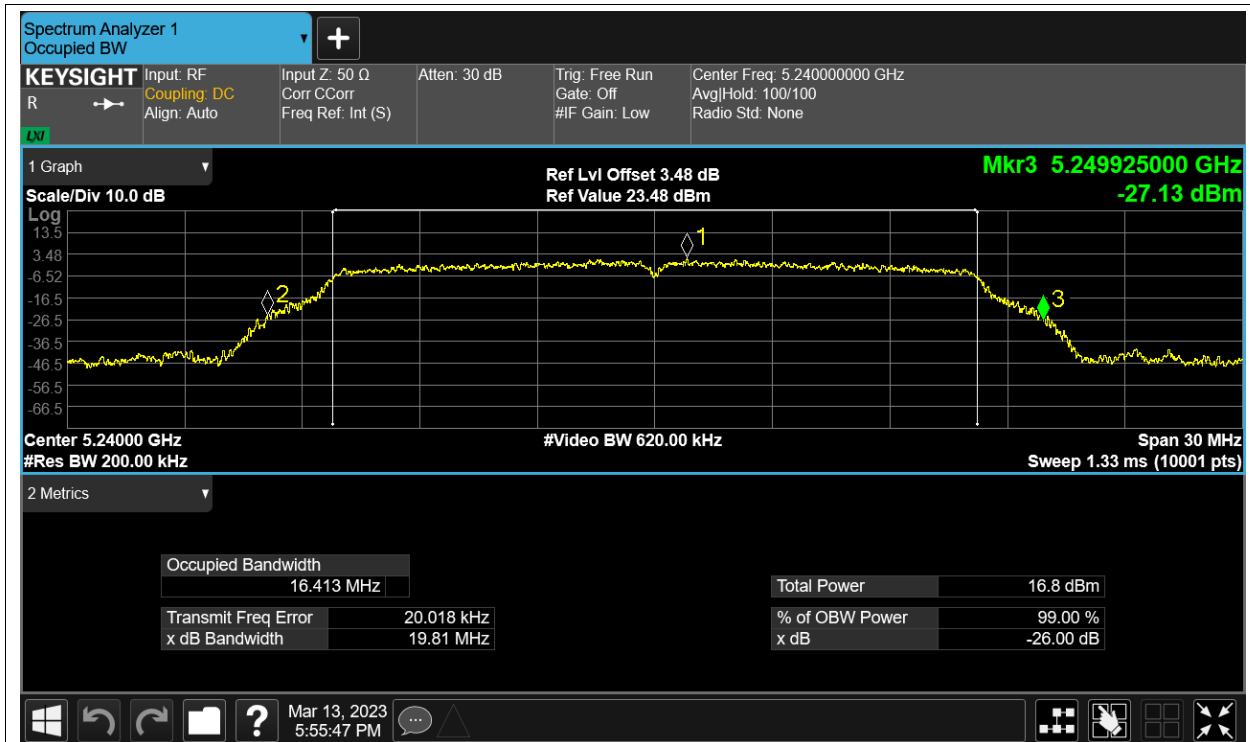
-26dB Bandwidth NVNT a 5180MHz Ant6



-26dB Bandwidth NVNT a 5200MHz Ant6



-26dB Bandwidth NVNT a 5240MHz Ant6



-26dB Bandwidth NVNT ac20 5180MHz Ant6



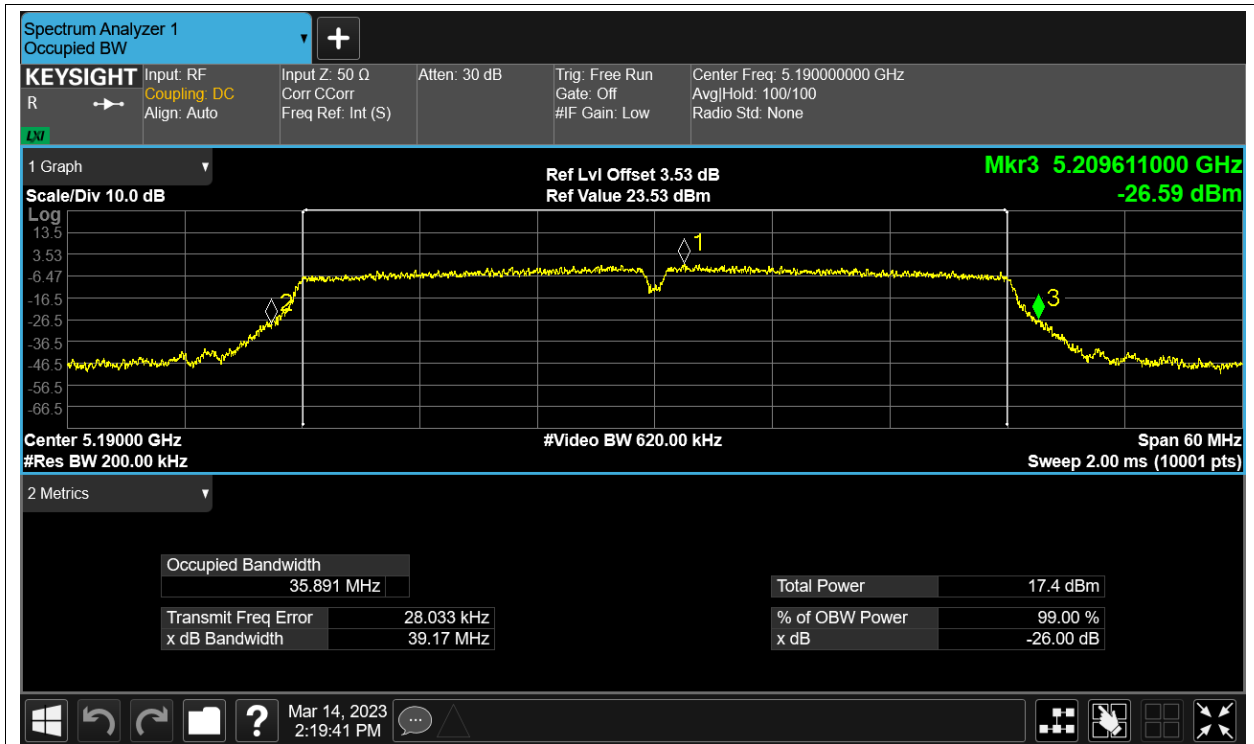
-26dB Bandwidth NVNT ac20 5200MHz Ant6



-26dB Bandwidth NVNT ac20 5240MHz Ant6



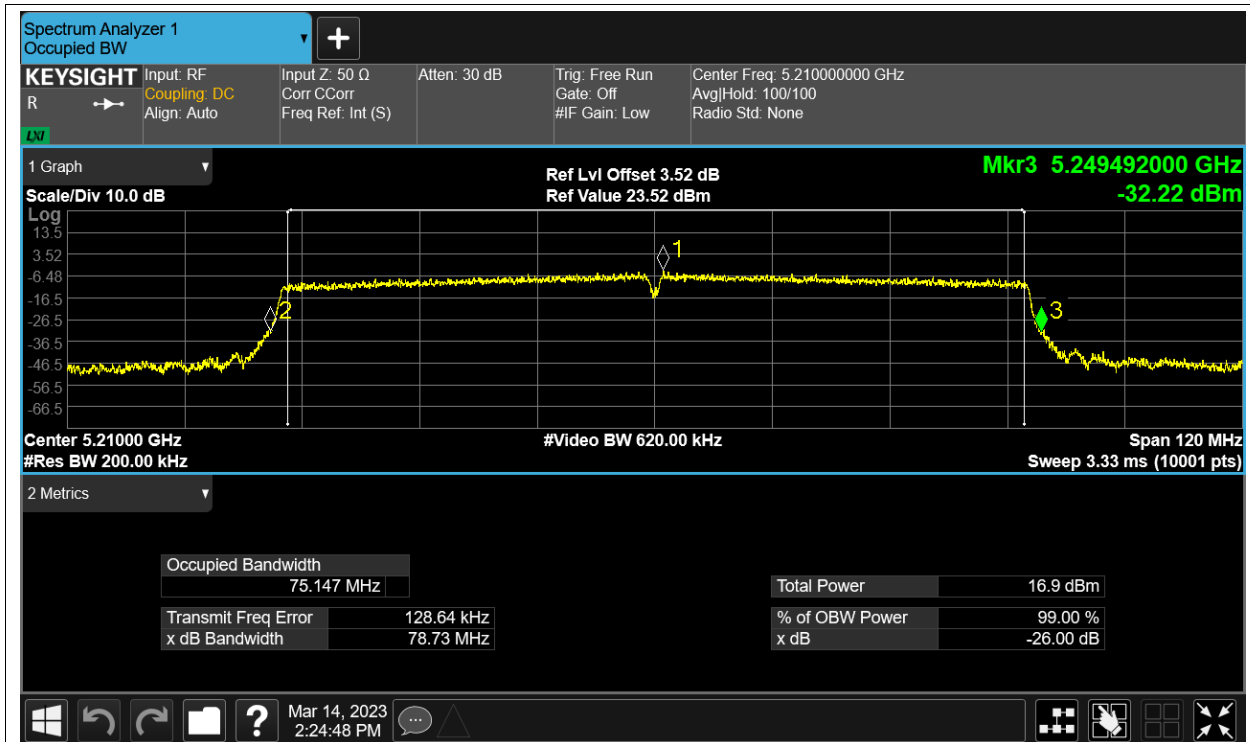
-26dB Bandwidth NVNT ac40 5190MHz Ant6



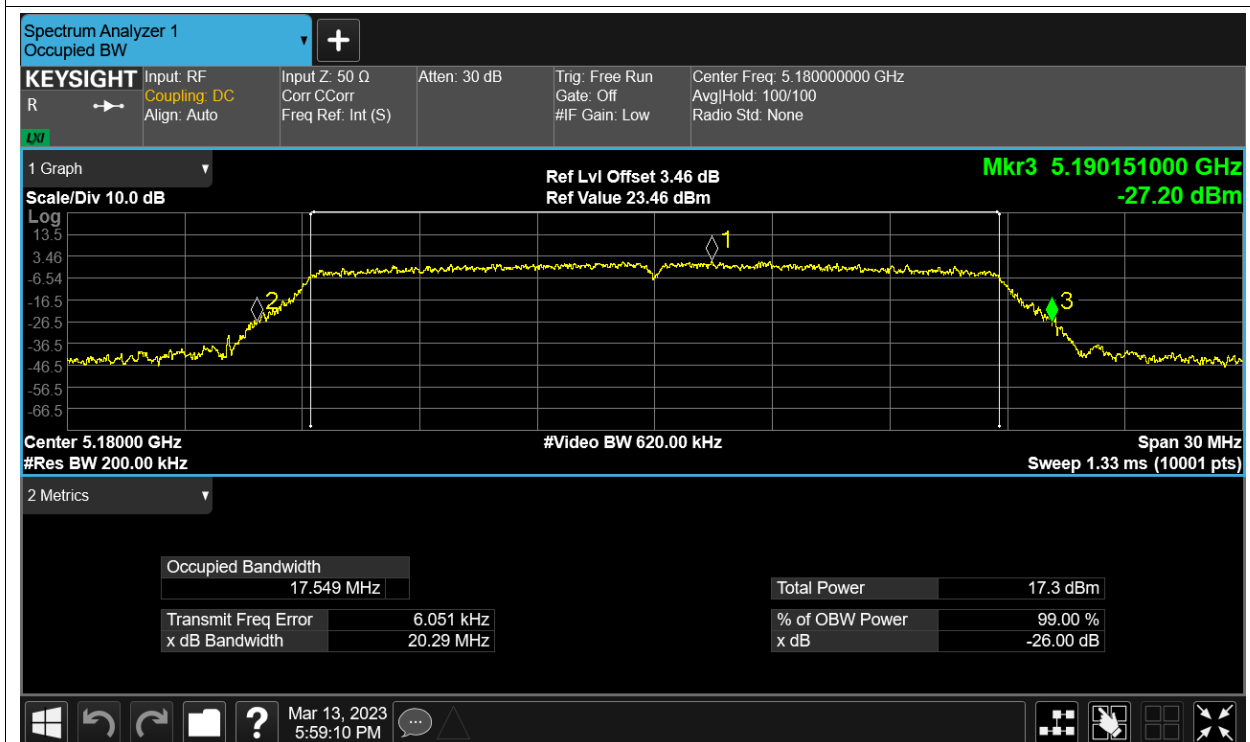
-26dB Bandwidth NVNT ac40 5230MHz Ant6



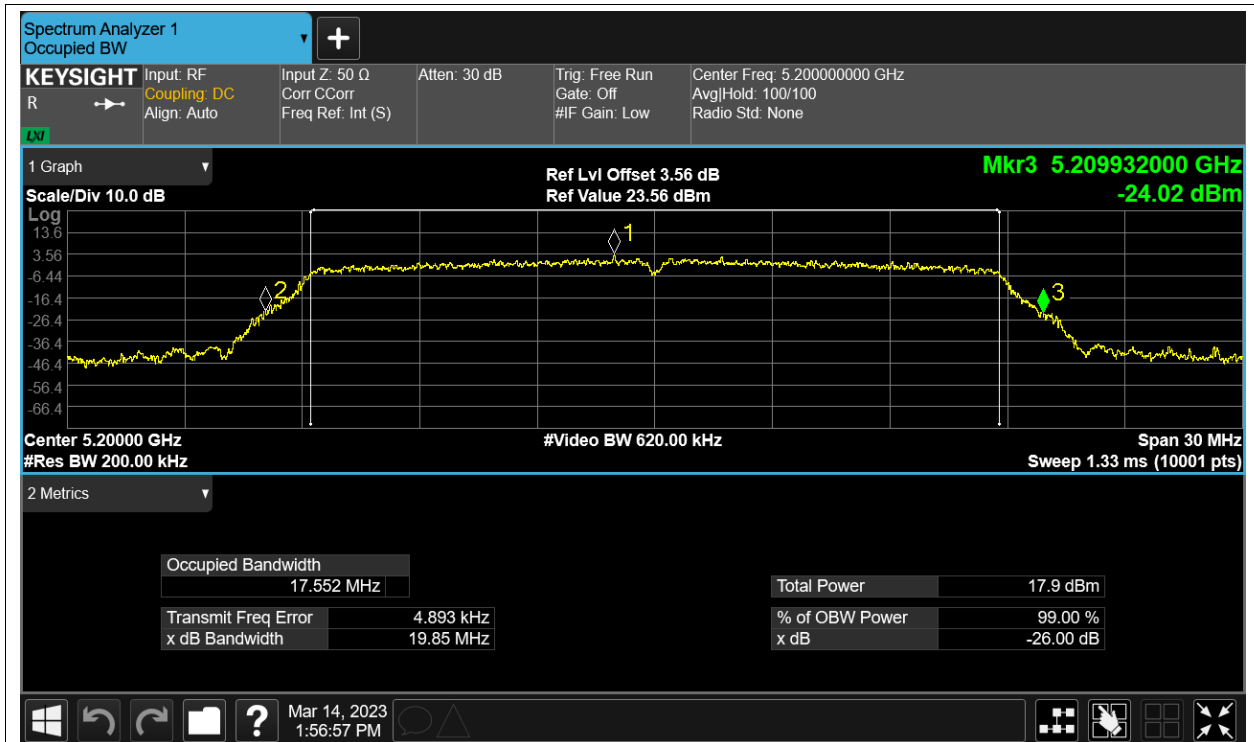
-26dB Bandwidth NVNT ac80 5210MHz Ant6



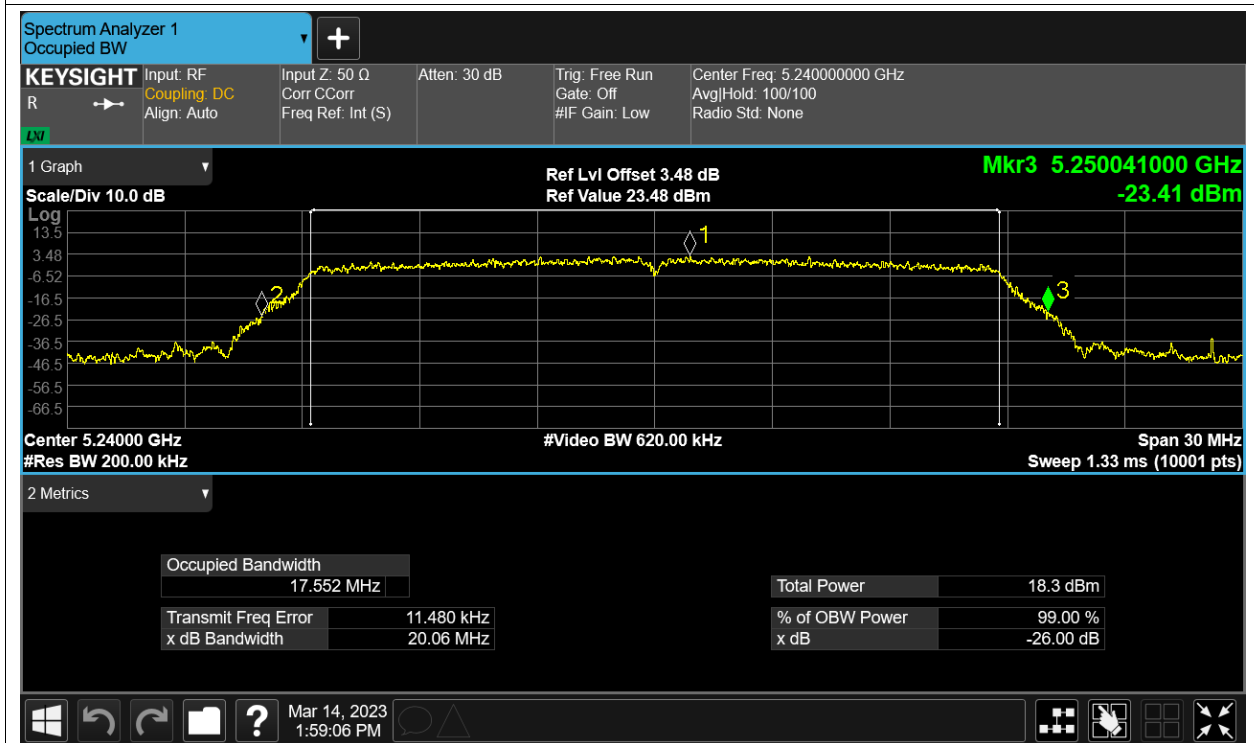
-26dB Bandwidth NVNT n20 5180MHz Ant6



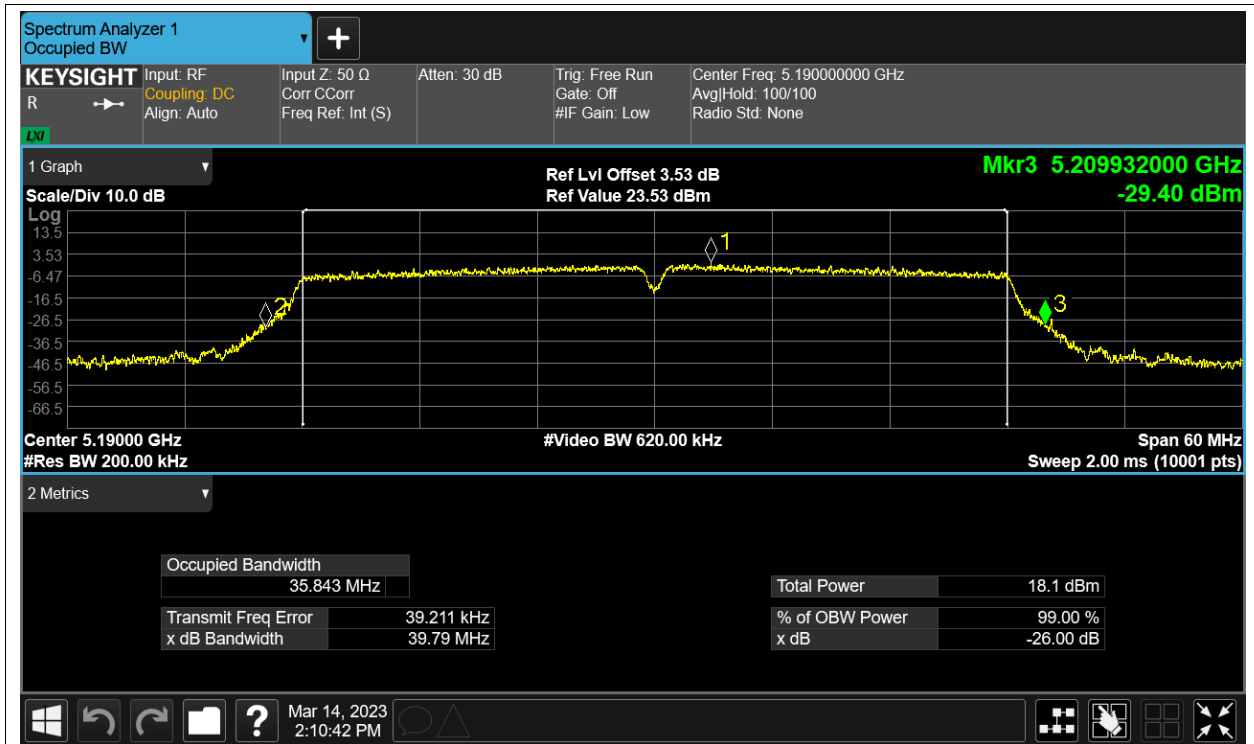
-26dB Bandwidth NVNT n20 5200MHz Ant6



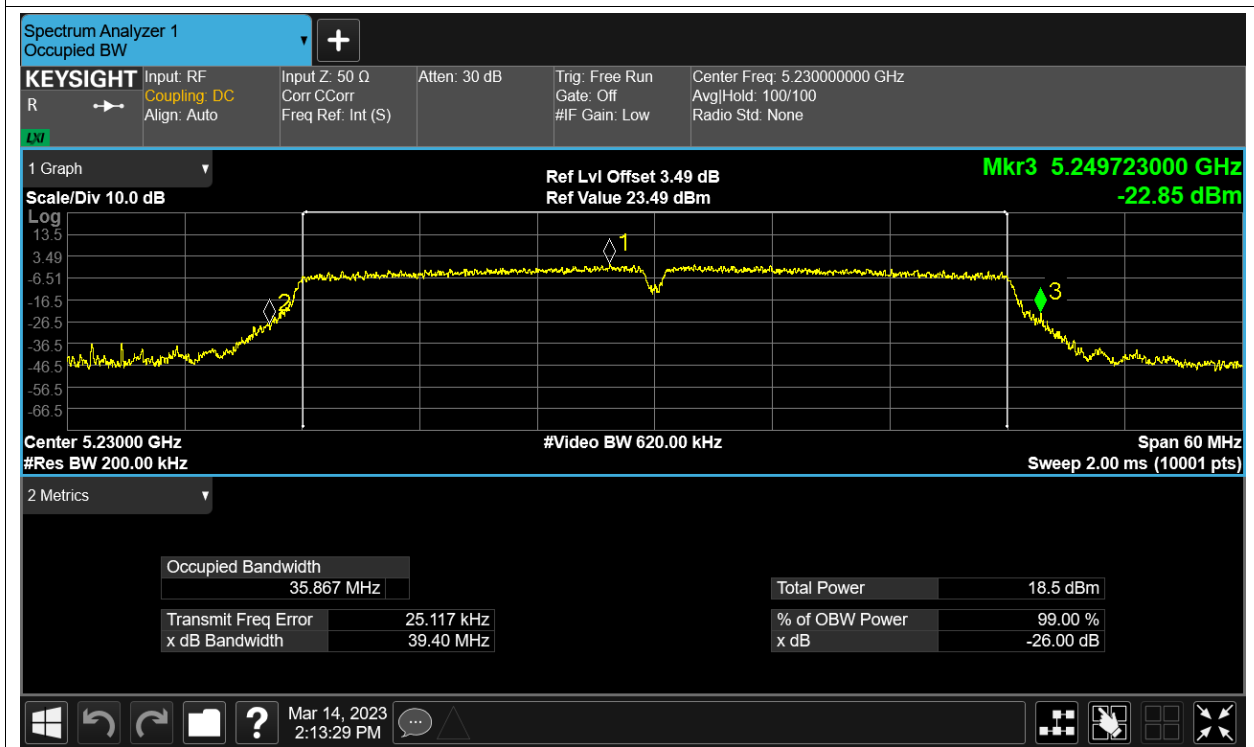
-26dB Bandwidth NVNT n20 5240MHz Ant6



-26dB Bandwidth NVNT n40 5190MHz Ant6



-26dB Bandwidth NVNT n40 5230MHz Ant6

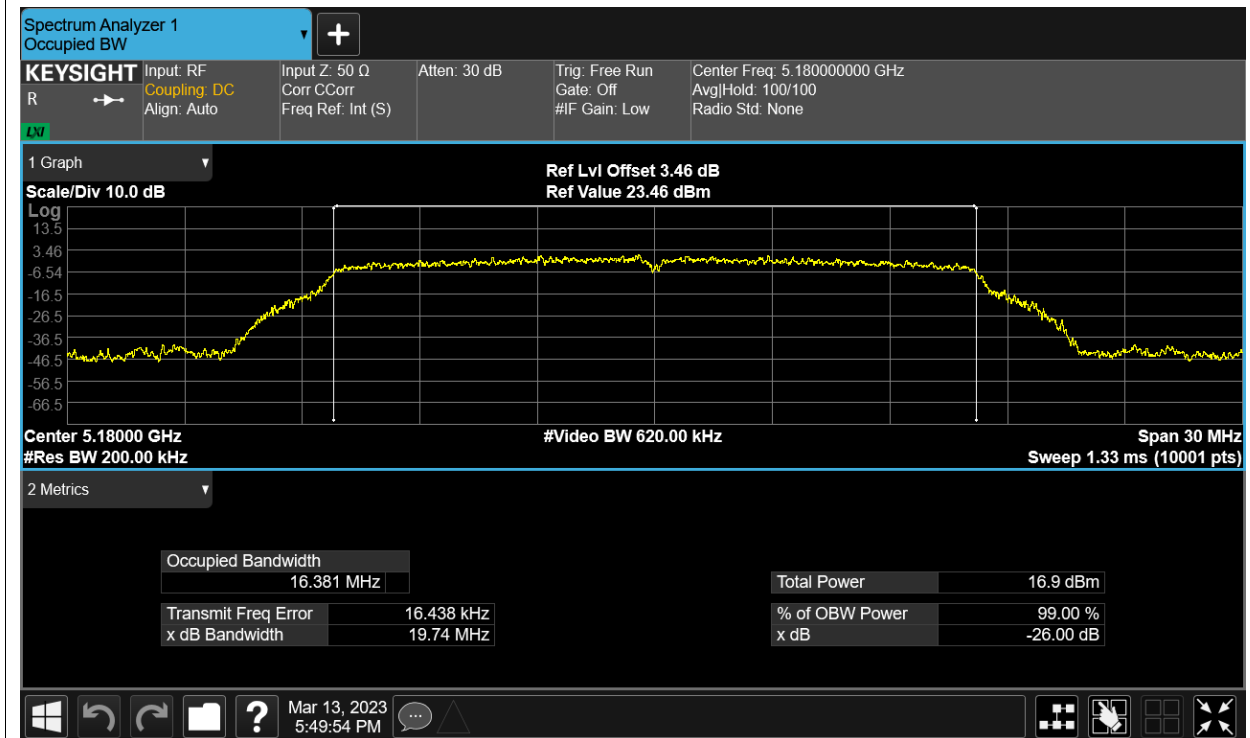


Occupied Channel Bandwidth

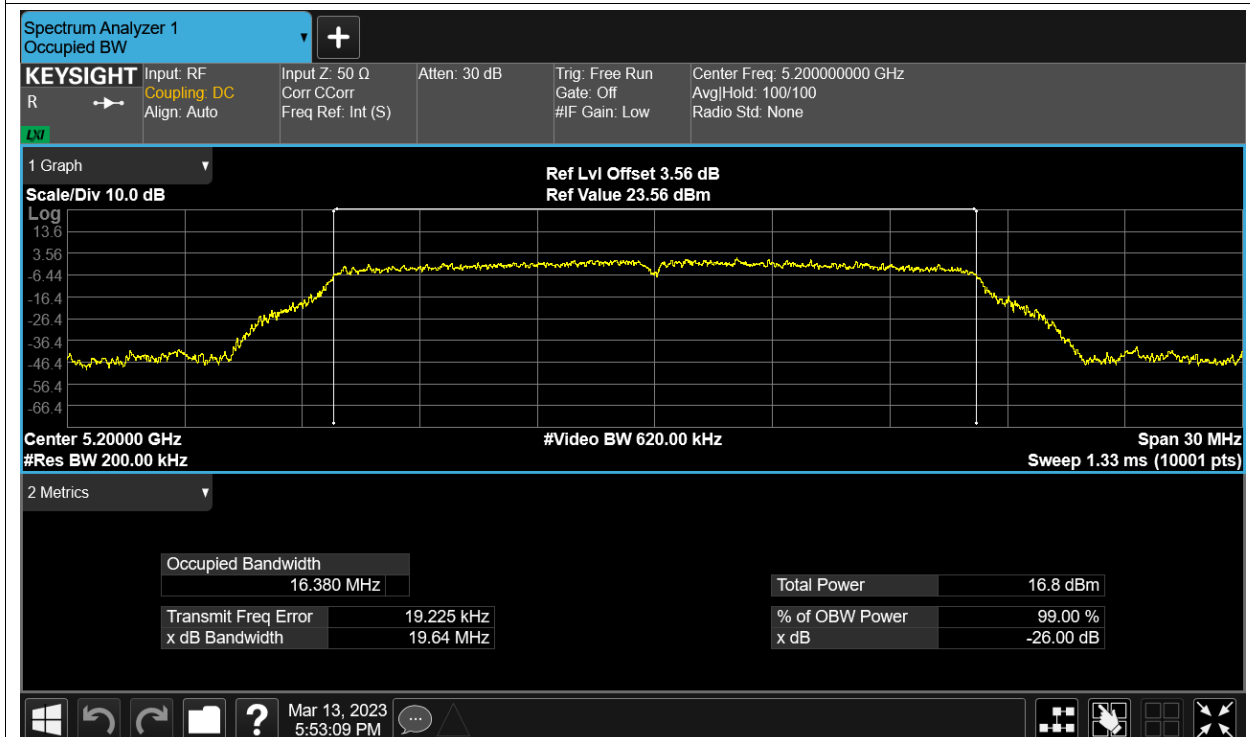
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant6	16.381
NVNT	a	5200	Ant6	16.38
NVNT	a	5240	Ant6	16.393
NVNT	ac20	5180	Ant6	17.559
NVNT	ac20	5200	Ant6	17.557
NVNT	ac20	5240	Ant6	17.571
NVNT	ac40	5190	Ant6	35.984
NVNT	ac40	5230	Ant6	35.932
NVNT	ac80	5210	Ant6	75.122
NVNT	n20	5180	Ant6	17.569
NVNT	n20	5200	Ant6	17.544
NVNT	n20	5240	Ant6	17.546
NVNT	n40	5190	Ant6	35.959
NVNT	n40	5230	Ant6	35.996

Test Graphs

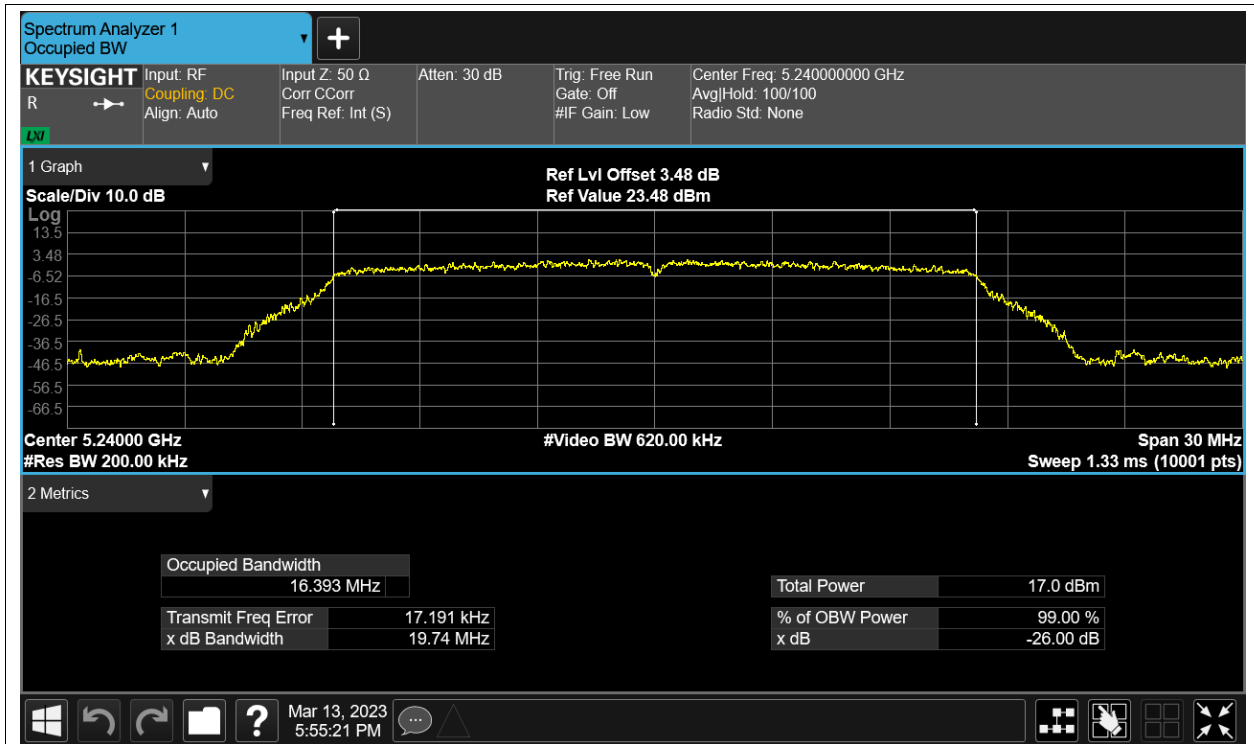
OBW NVNT a 5180MHz Ant6



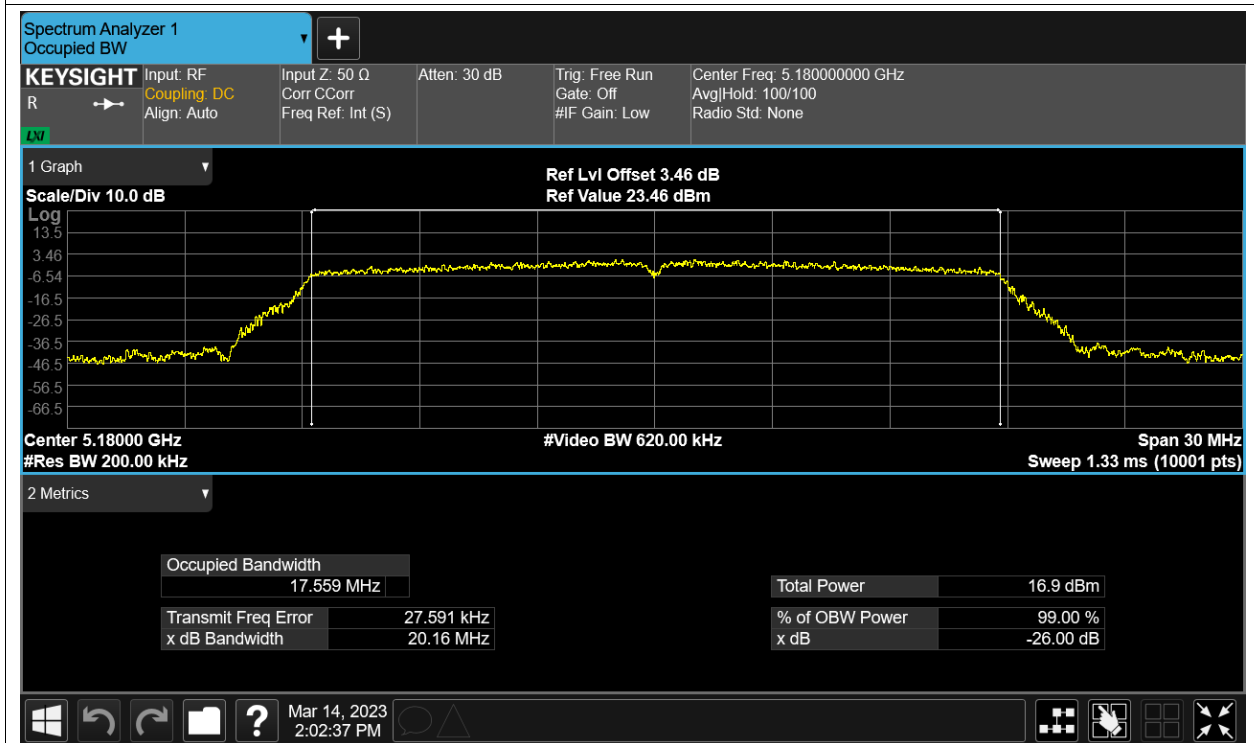
OBW NVNT a 5200MHz Ant6



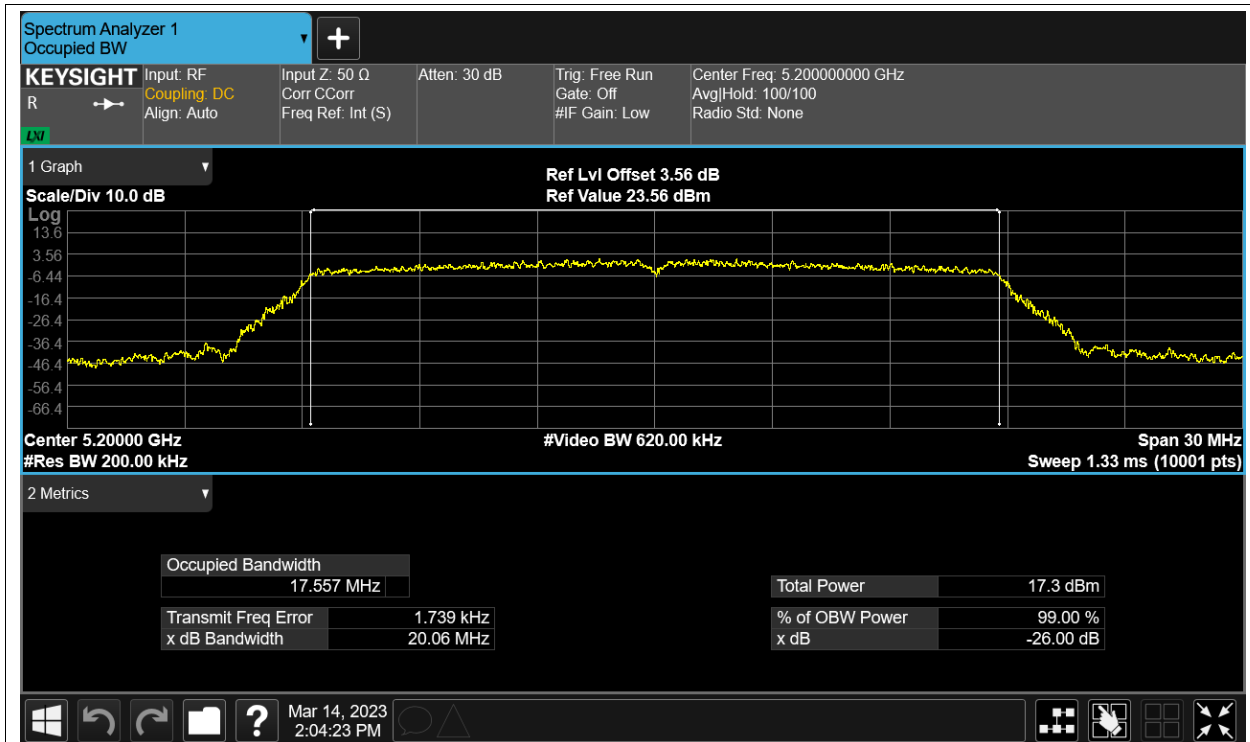
OBW NVNT a 5240MHz Ant6



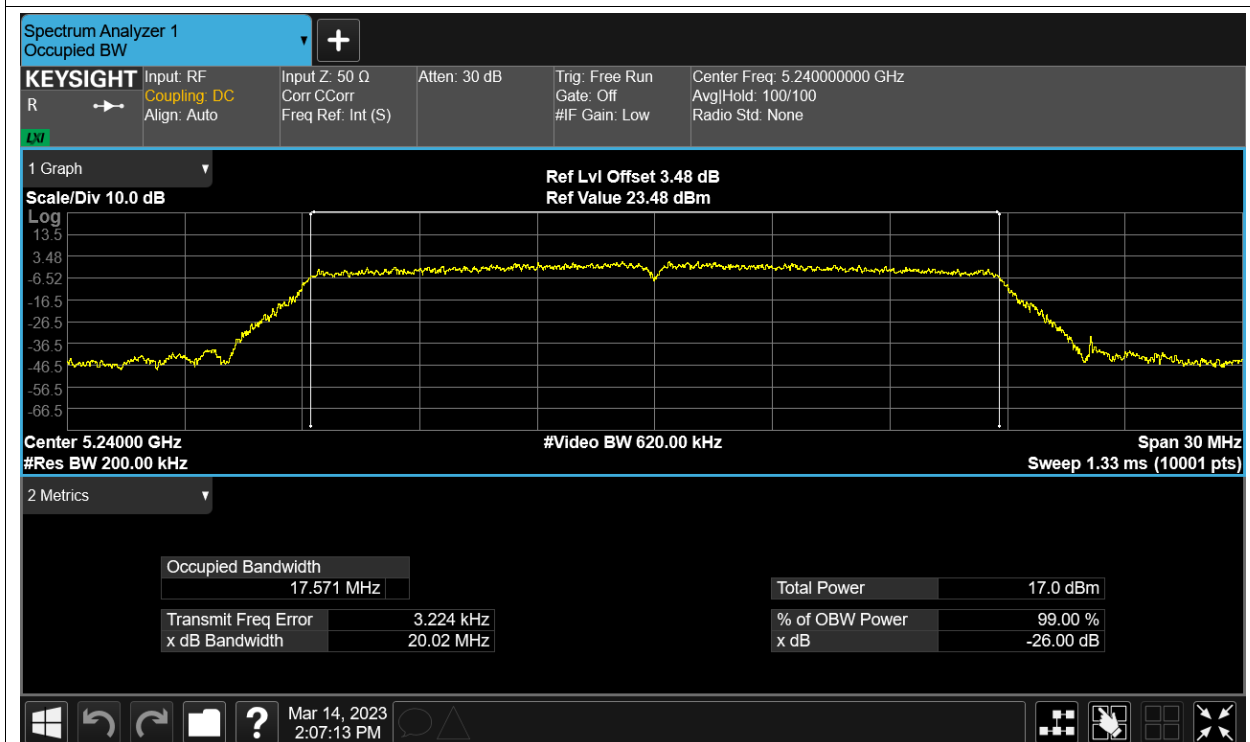
OBW NVNT ac20 5180MHz Ant6



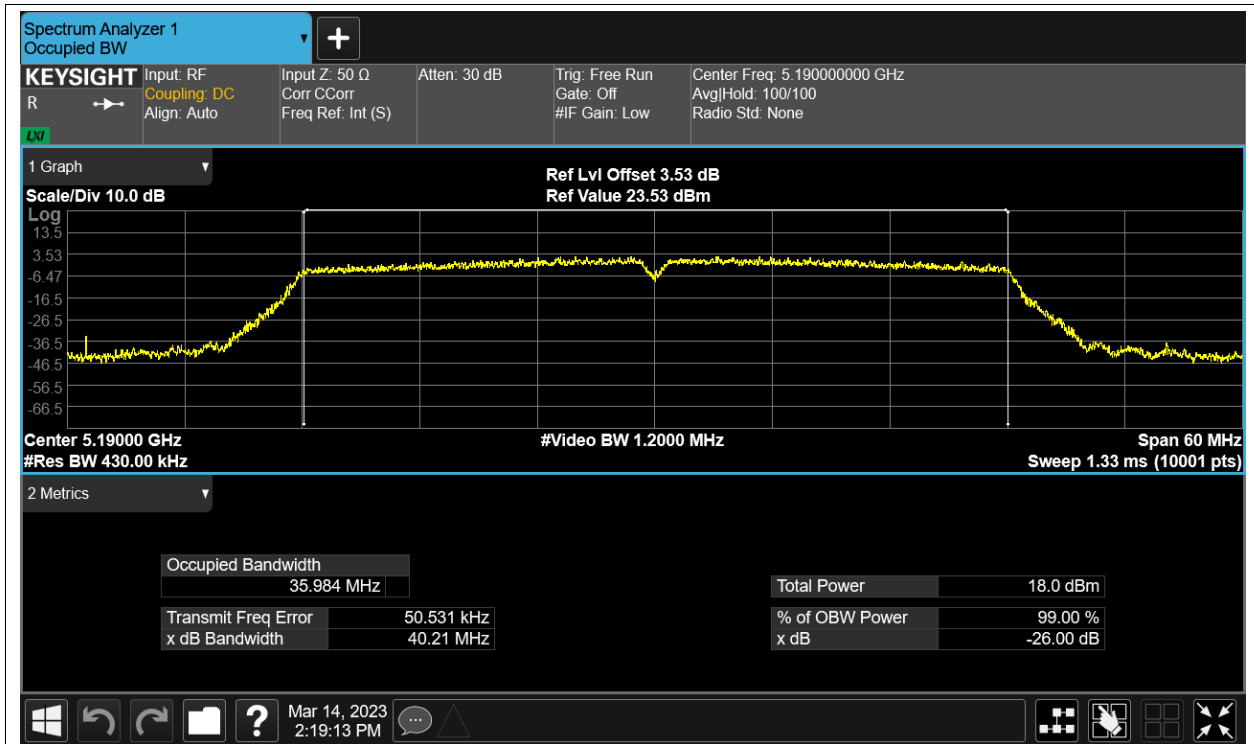
OBW NVNT ac20 5200MHz Ant6



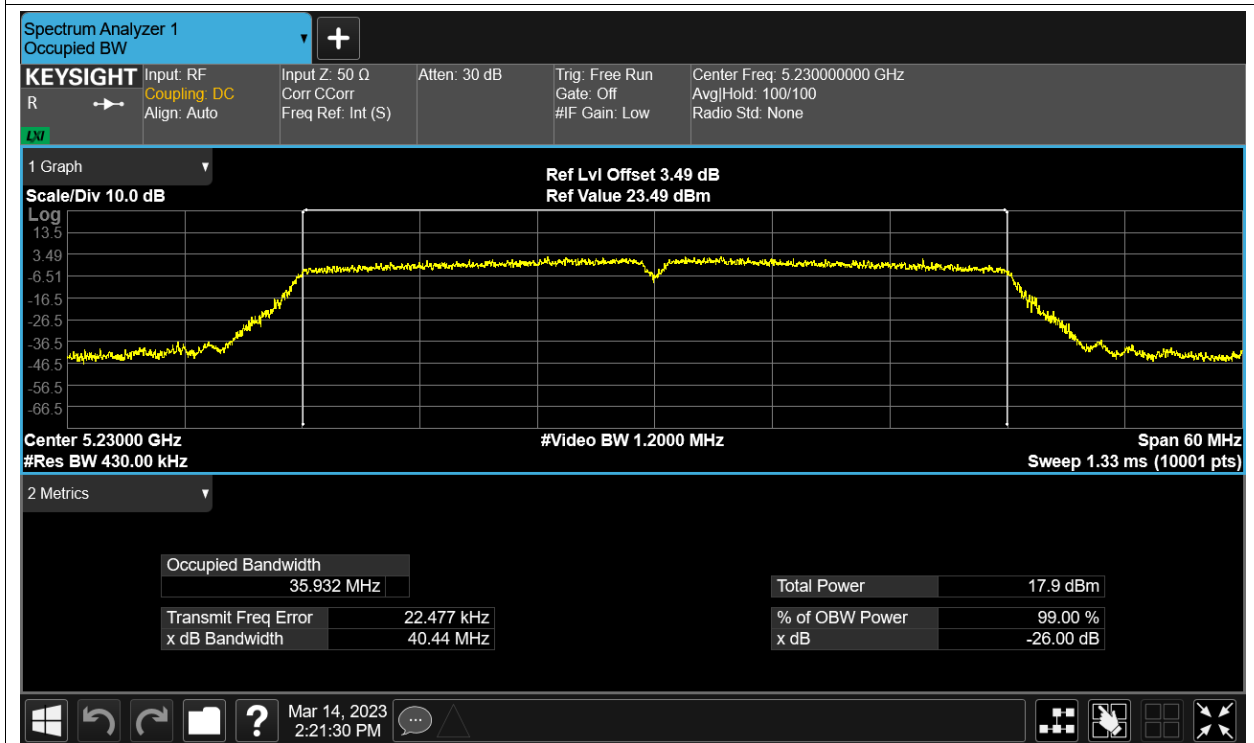
OBW NVNT ac20 5240MHz Ant6



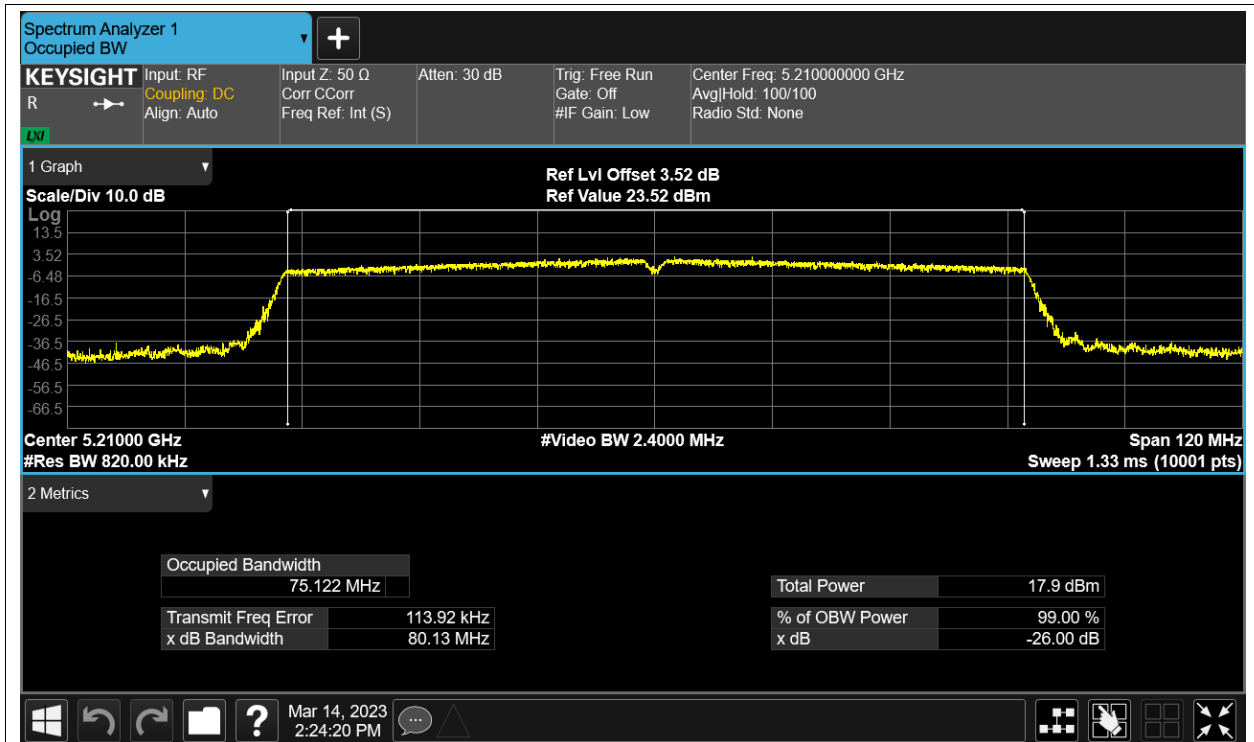
OBW NVNT ac40 5190MHz Ant6



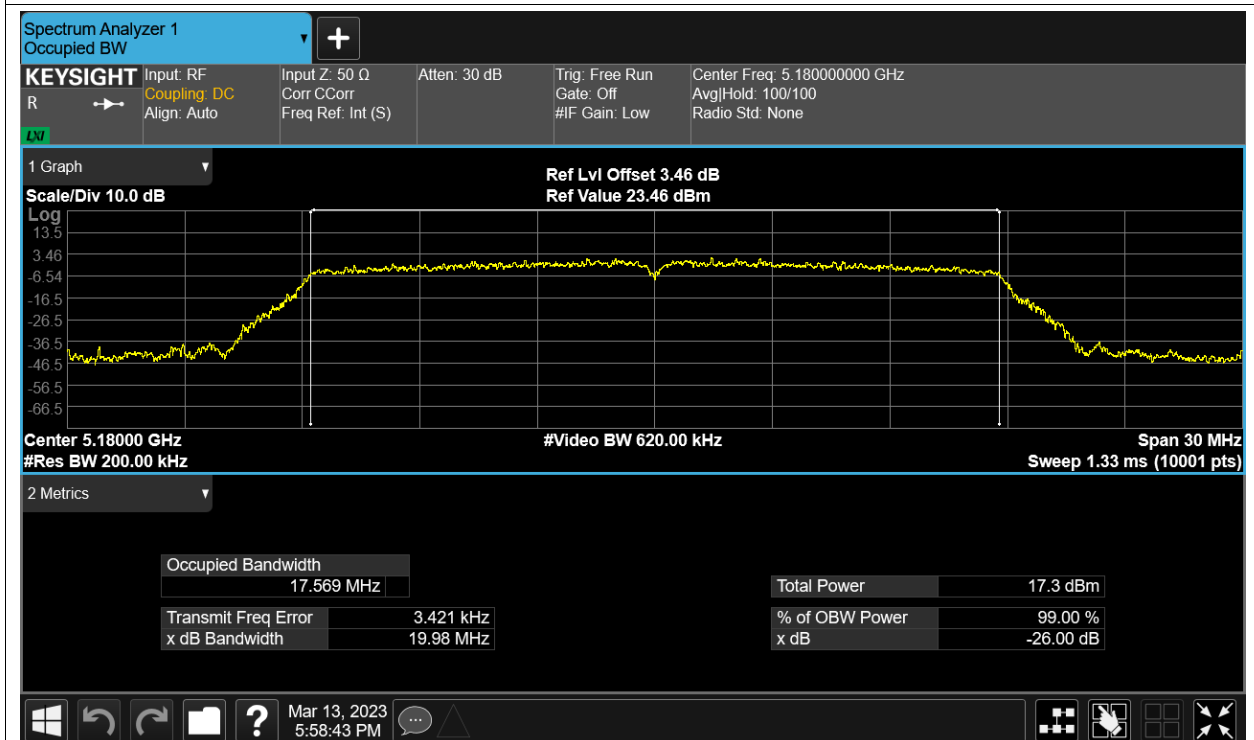
OBW NVNT ac40 5230MHz Ant6



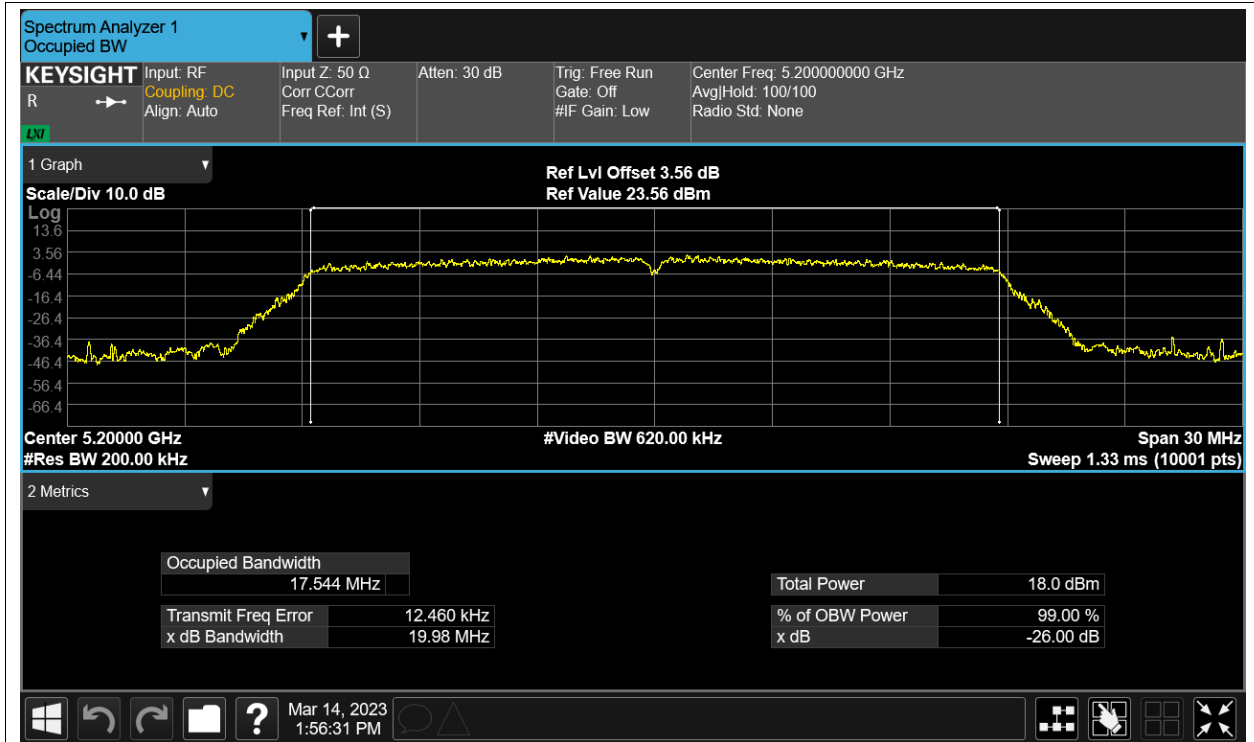
OBW NVNT ac80 5210MHz Ant6



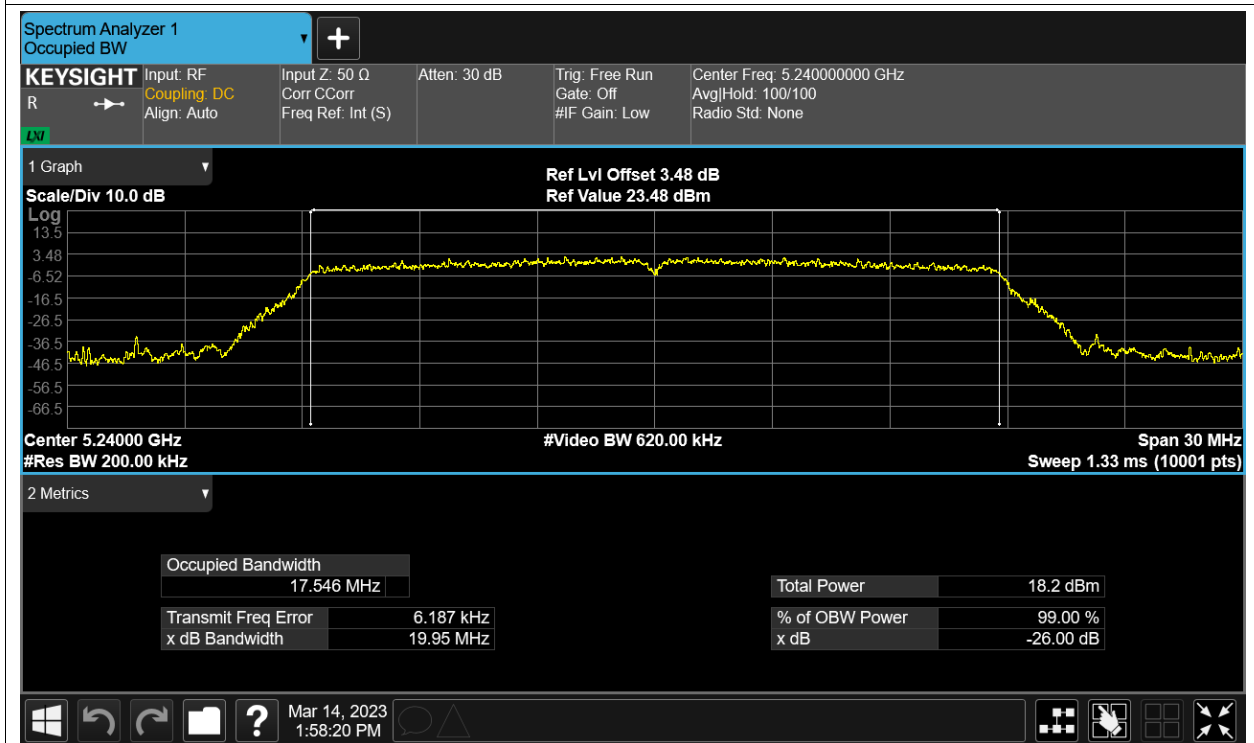
OBW NVNT n20 5180MHz Ant6



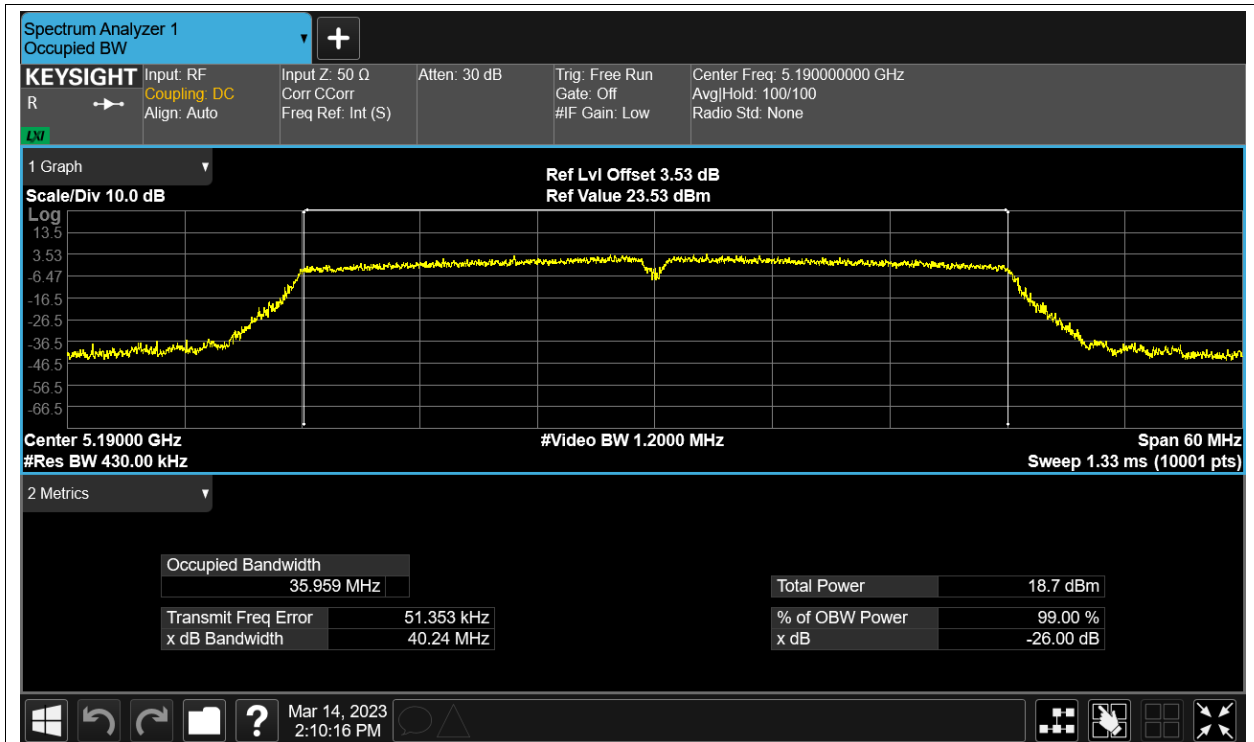
OBW NVNT n20 5200MHz Ant6



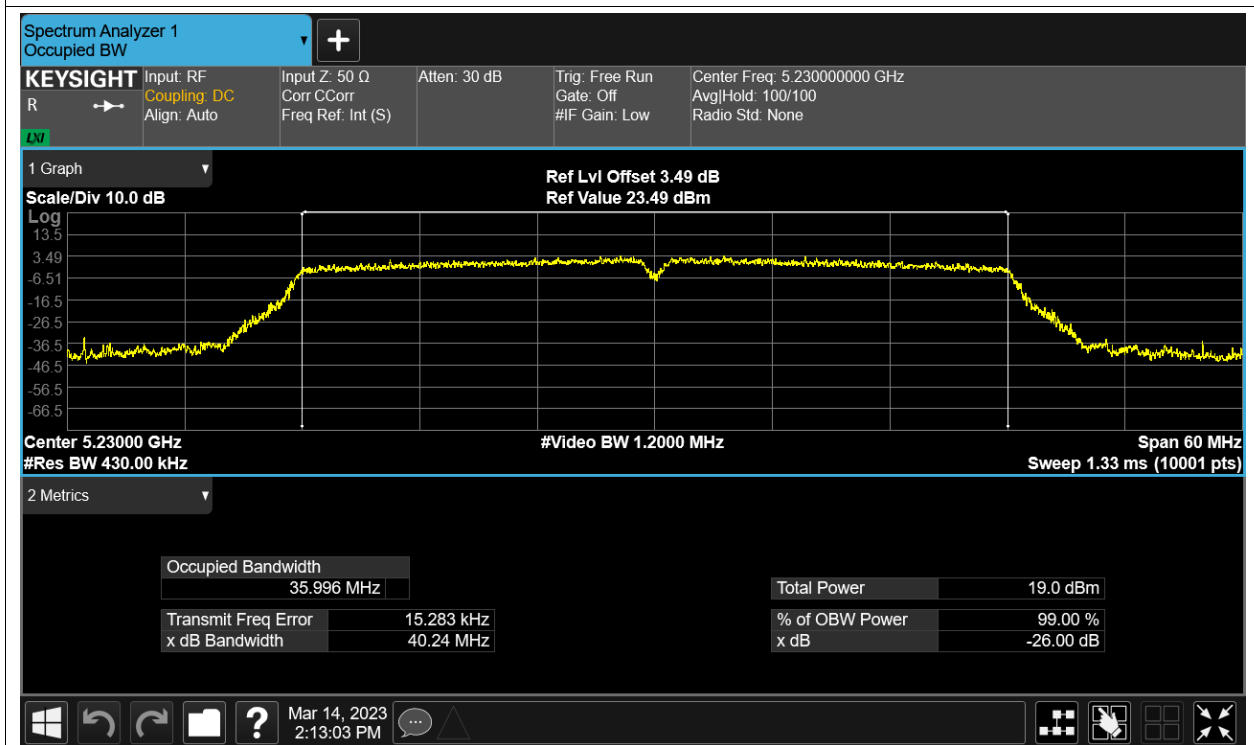
OBW NVNT n20 5240MHz Ant6



OBW NVNT n40 5190MHz Ant6



OBW NVNT n40 5230MHz Ant6

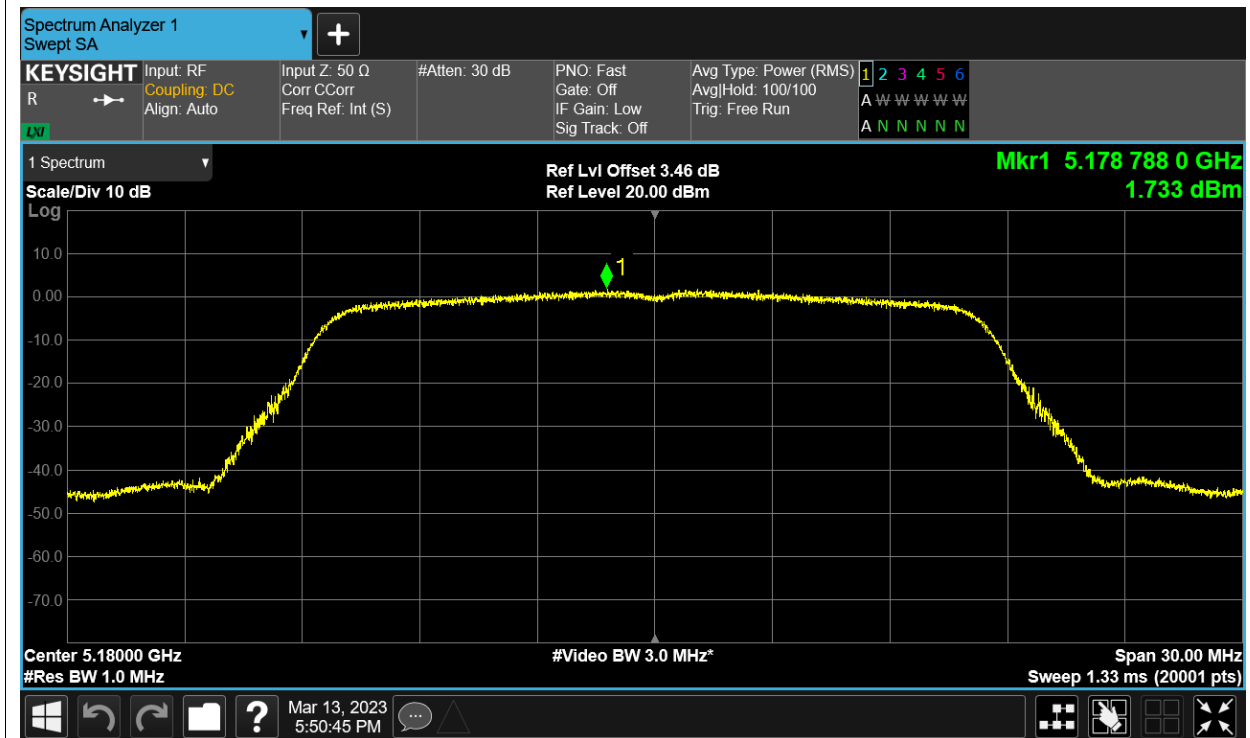


Maximum Power Spectral Density Level

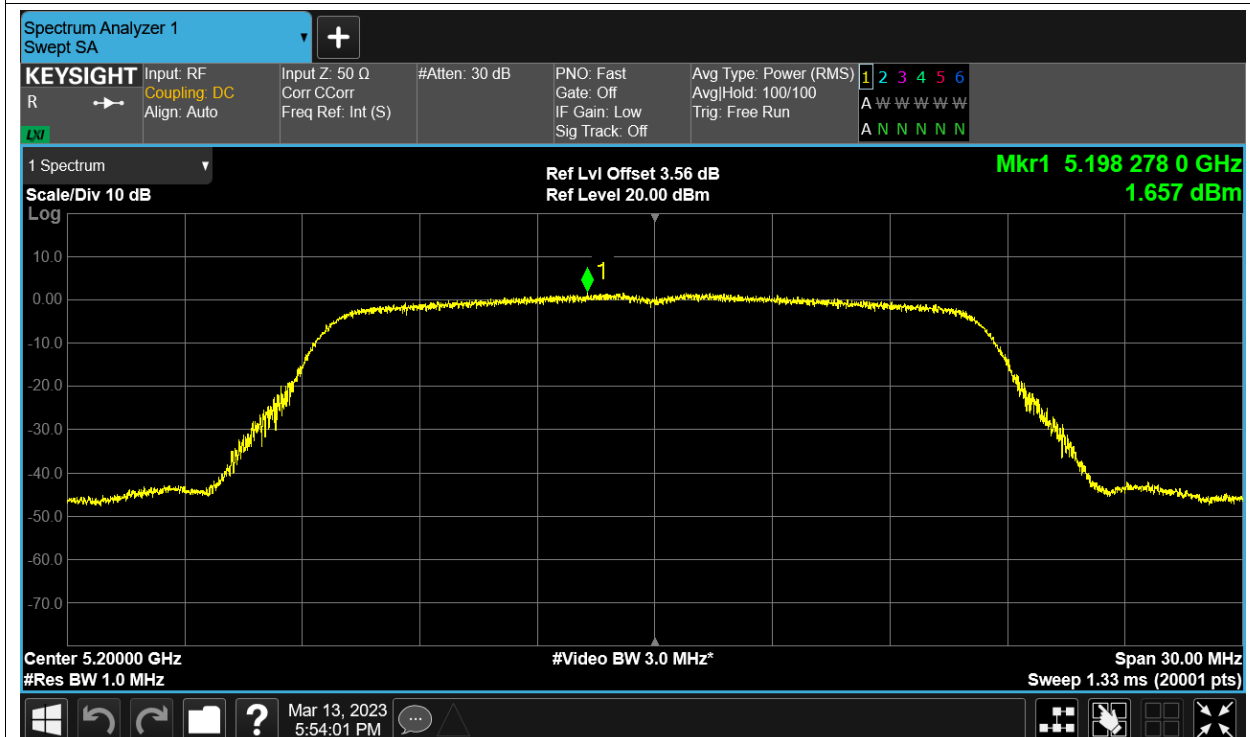
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant6	1.733	11	Pass
NVNT	a	5200	Ant6	1.657	11	Pass
NVNT	a	5240	Ant6	1.987	11	Pass
NVNT	ac20	5180	Ant6	1.95	11	Pass
NVNT	ac20	5200	Ant6	2.052	11	Pass
NVNT	ac20	5240	Ant6	1.861	11	Pass
NVNT	ac40	5190	Ant6	-0.205	11	Pass
NVNT	ac40	5230	Ant6	-0.562	11	Pass
NVNT	ac80	5210	Ant6	-4.1	11	Pass
NVNT	n20	5180	Ant6	1.981	11	Pass
NVNT	n20	5200	Ant6	2.669	11	Pass
NVNT	n20	5240	Ant6	3.12	11	Pass
NVNT	n40	5190	Ant6	0.379	11	Pass
NVNT	n40	5230	Ant6	0.454	11	Pass

Test Graphs

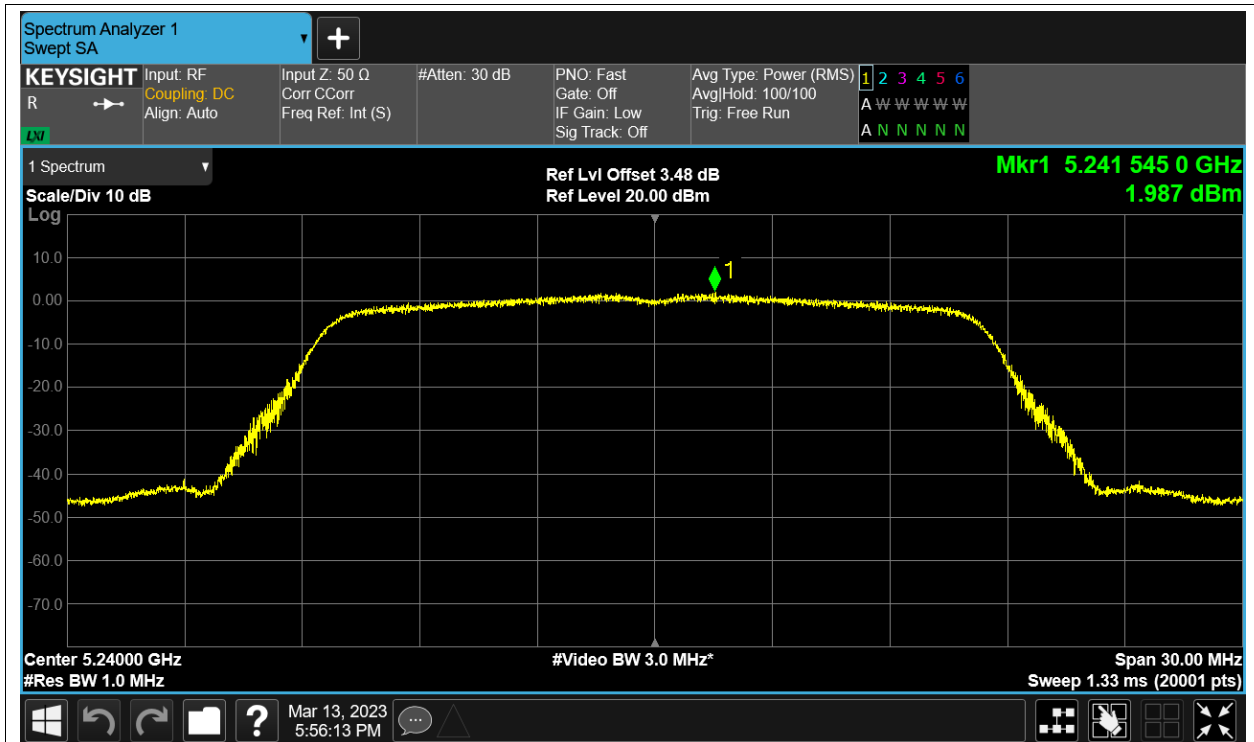
PSD NVNT a 5180MHz Ant6



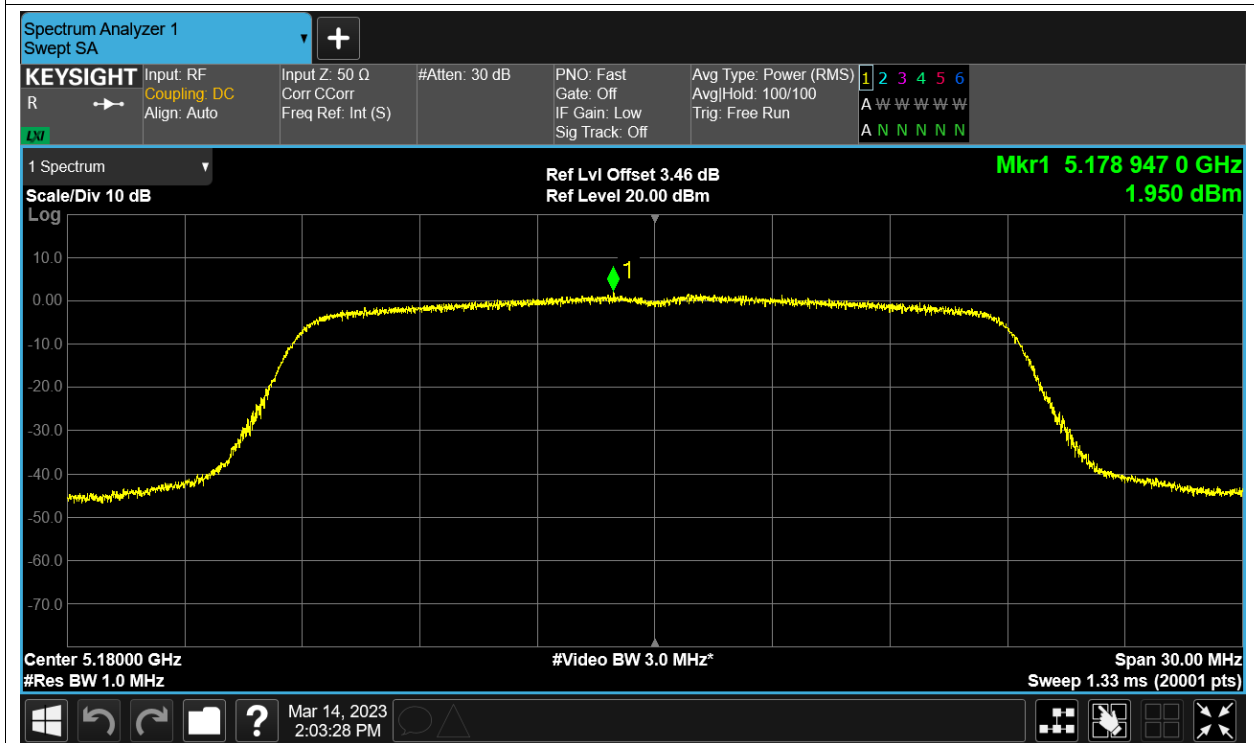
PSD NVNT a 5200MHz Ant6



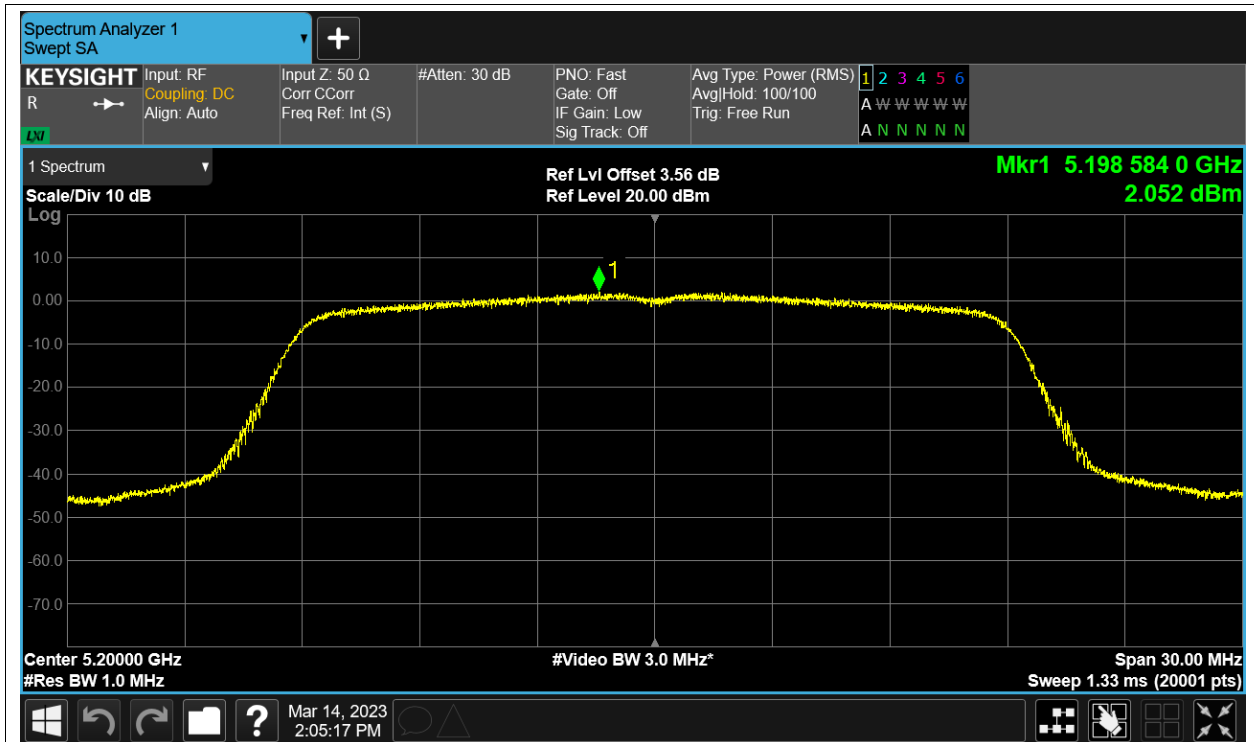
PSD NVNT a 5240MHz Ant6



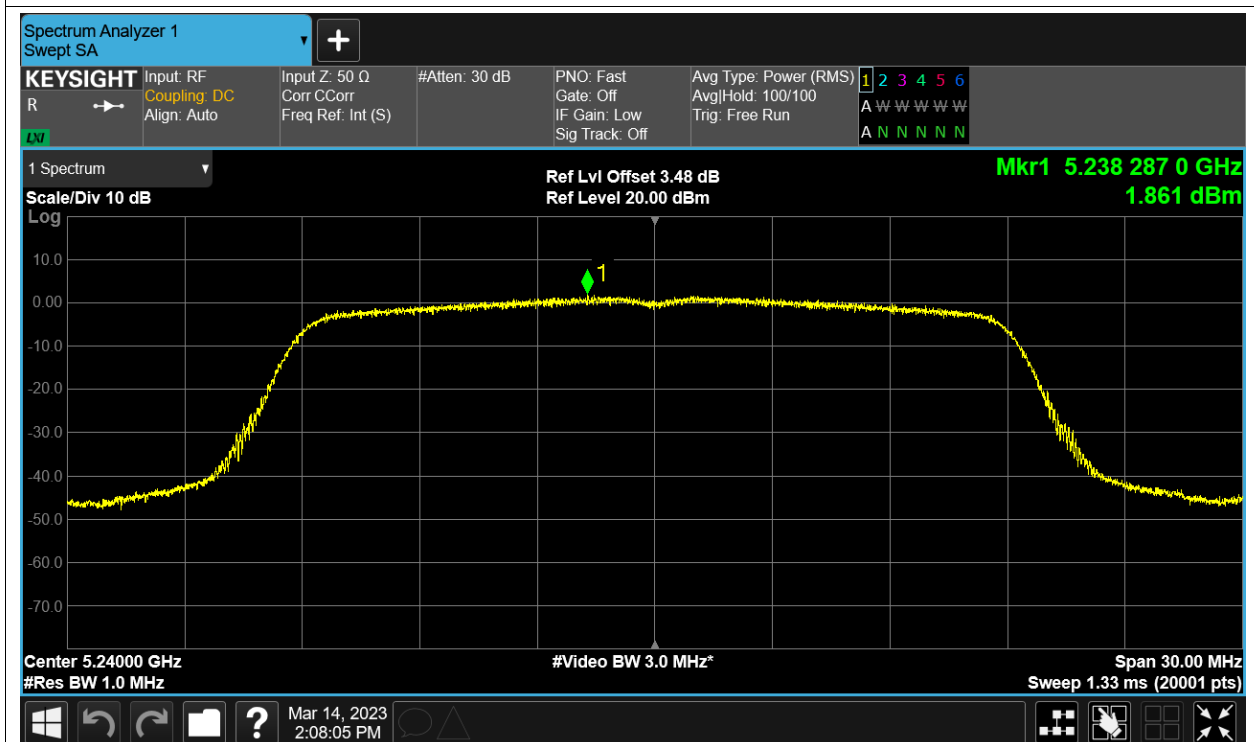
PSD NVNT ac20 5180MHz Ant6



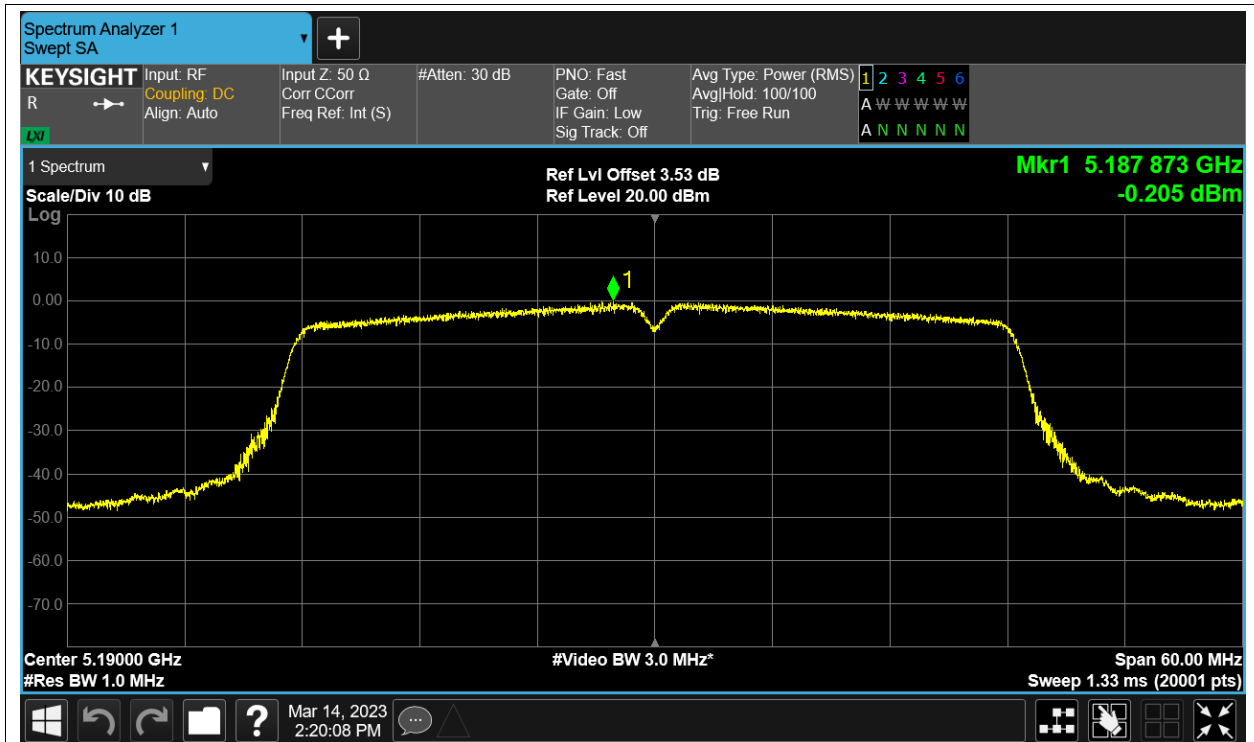
PSD NVNT ac20 5200MHz Ant6



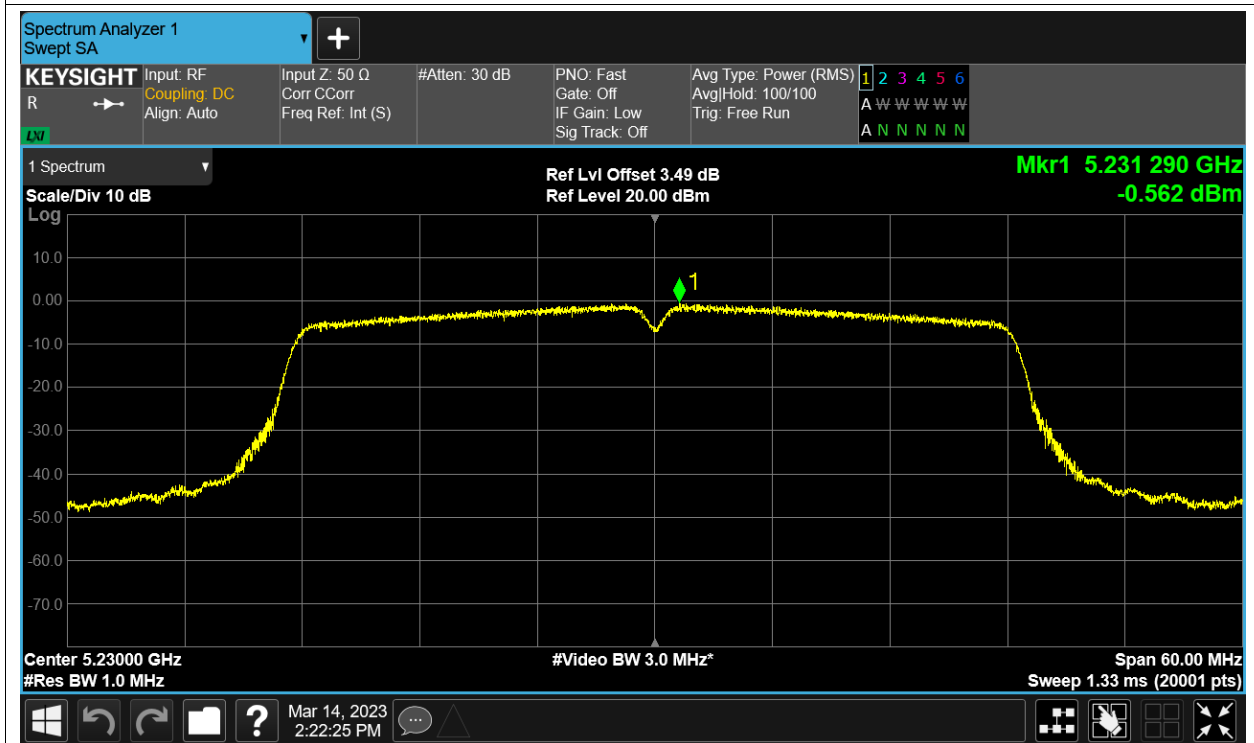
PSD NVNT ac20 5240MHz Ant6



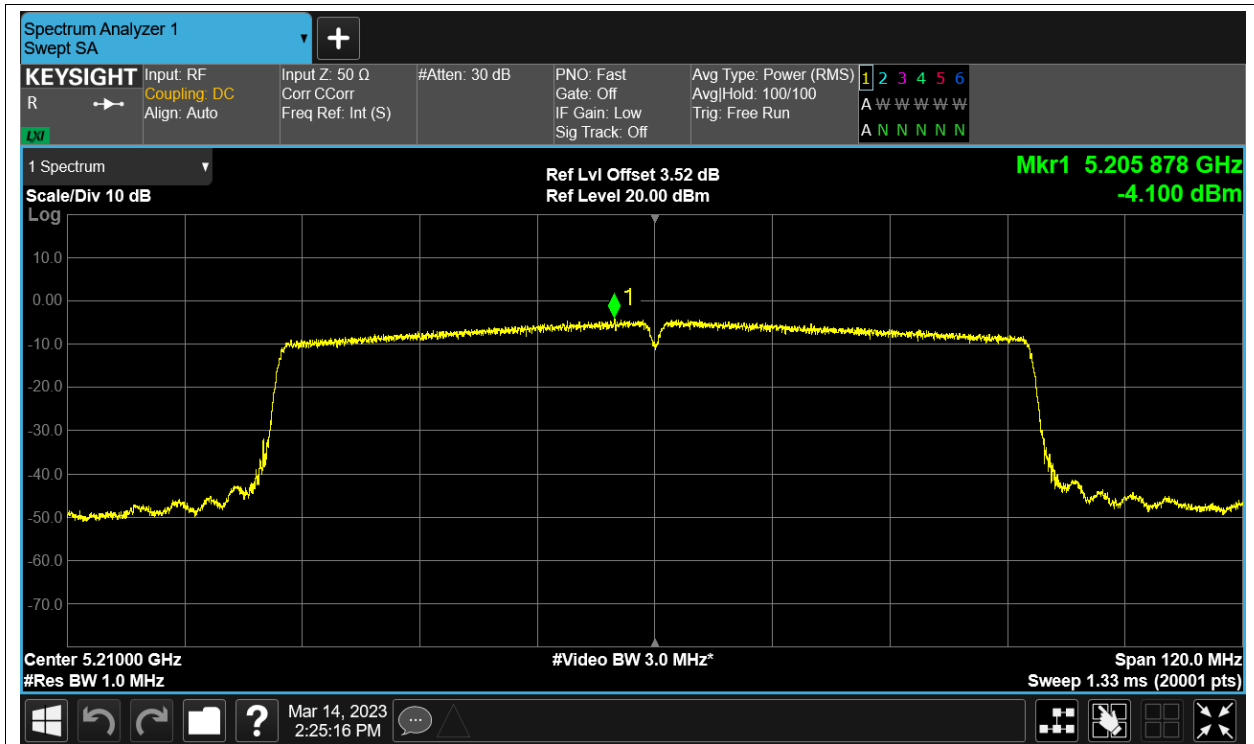
PSD NVNT ac40 5190MHz Ant6



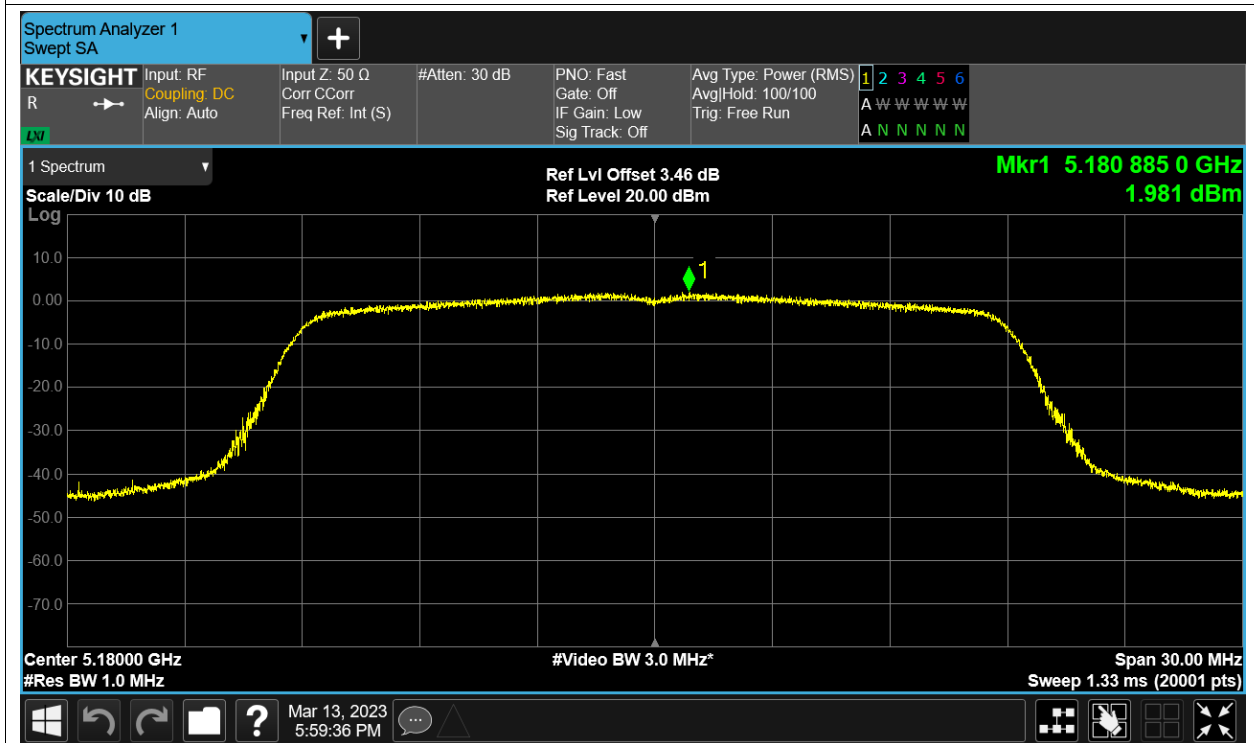
PSD NVNT ac40 5230MHz Ant6



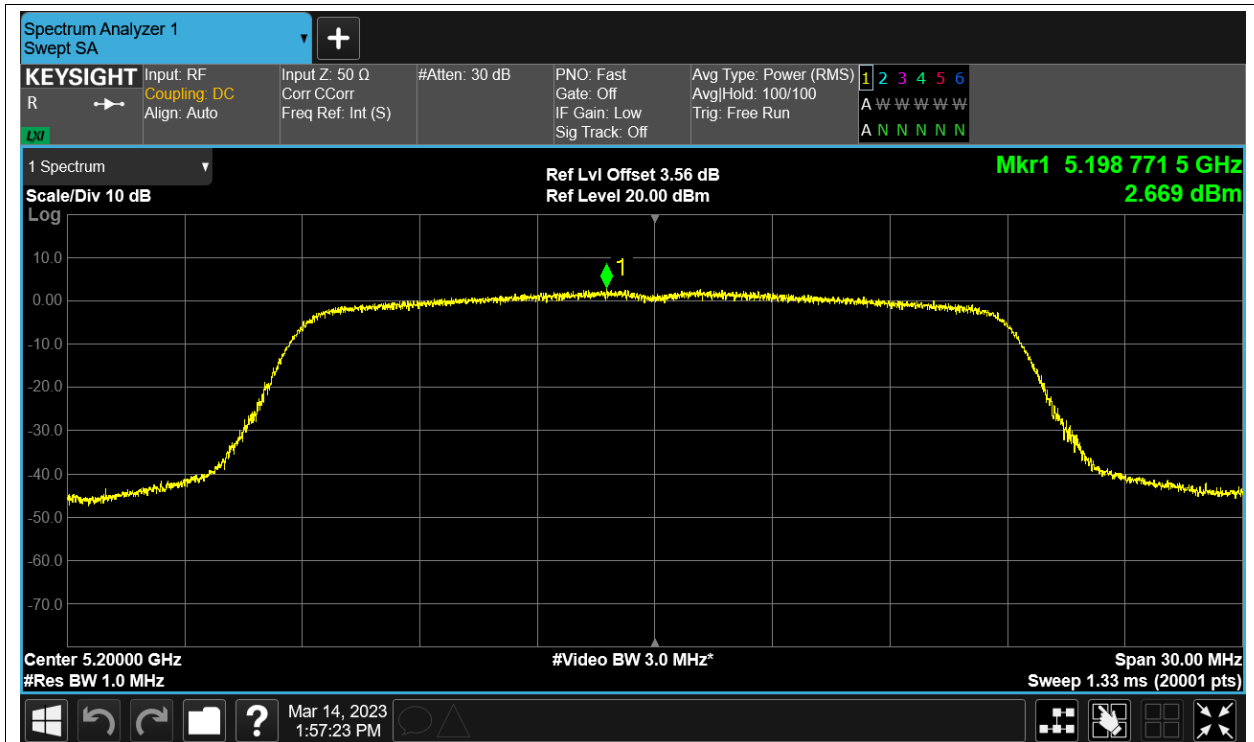
PSD NVNT ac80 5210MHz Ant6



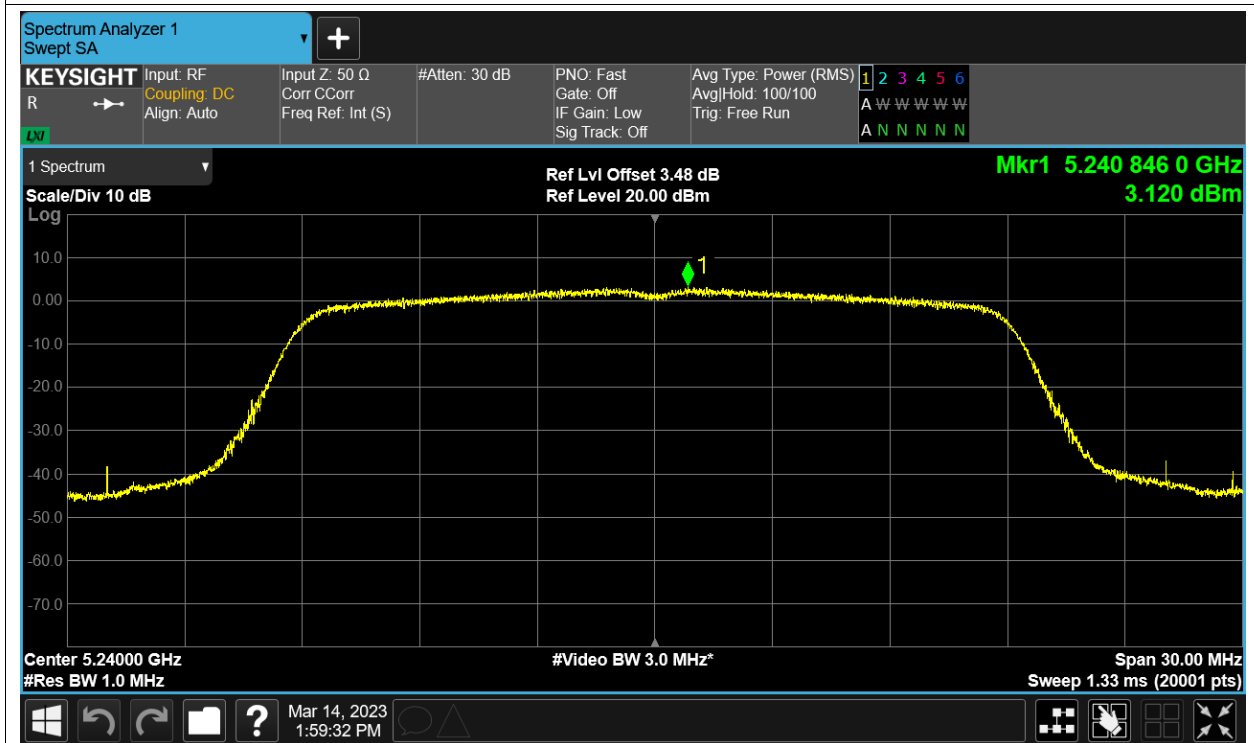
PSD NVNT n20 5180MHz Ant6



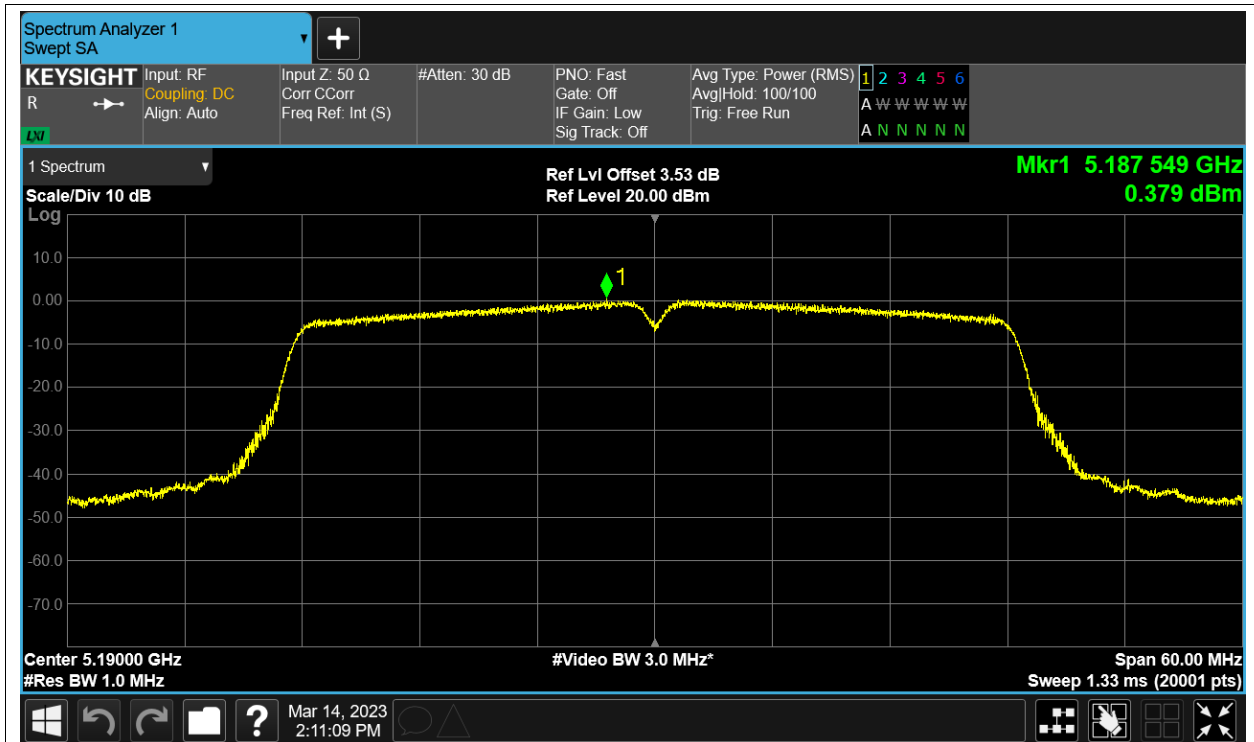
PSD NVNT n20 5200MHz Ant6



PSD NVNT n20 5240MHz Ant6



PSD NVNT n40 5190MHz Ant6



PSD NVNT n40 5230MHz Ant6

