

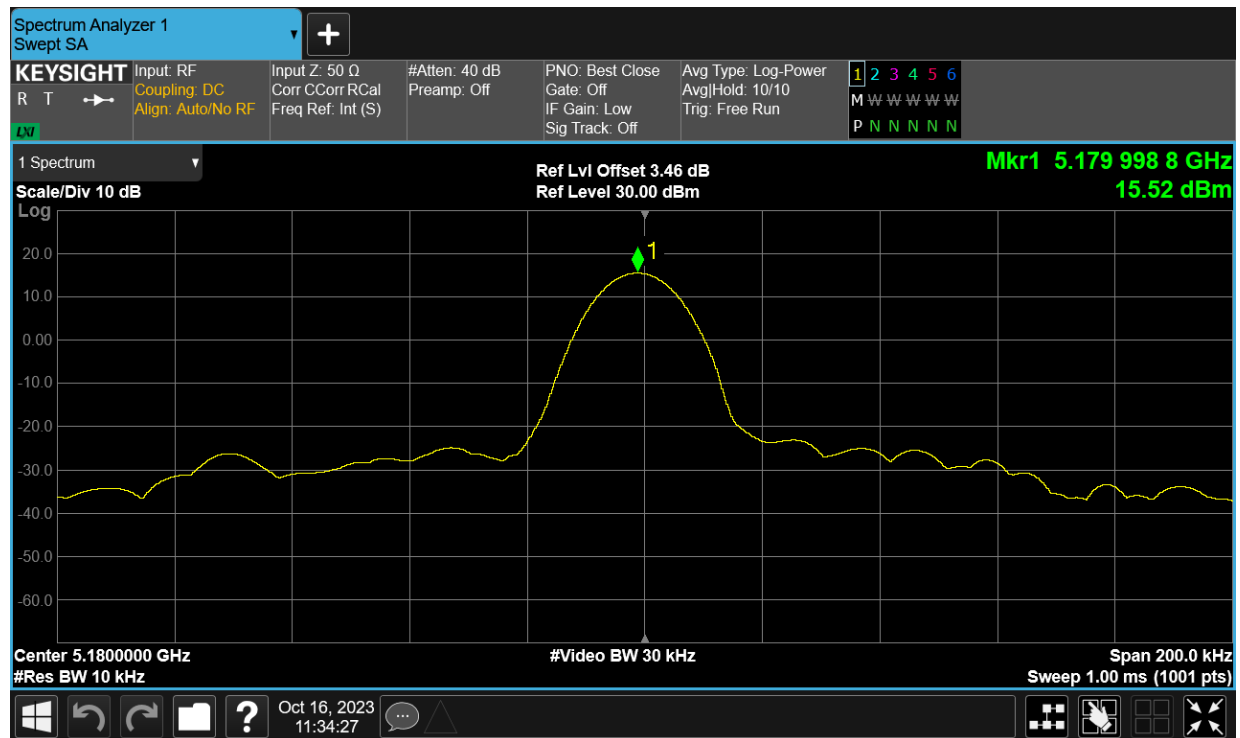
Test Data

Frequency Stability

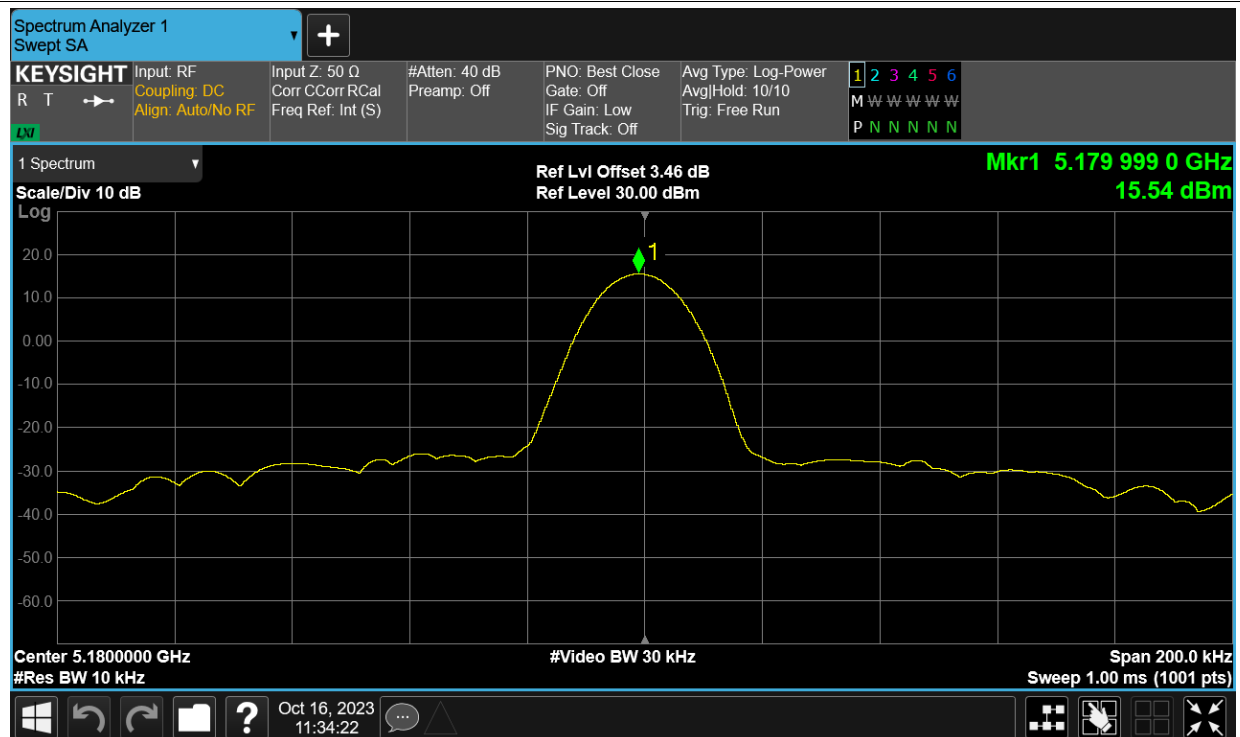
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant12	5179.9988	-0.23	Within authorized band	Pass
LVNT	a	5180	Ant12	5179.999	-0.19		Pass
NVHT	a	5180	Ant12	5179.9994	-0.12		Pass
NVLT	a	5180	Ant12	5180.001	0.19		Pass
NVNT	a	5180	Ant12	5179.9984	-0.31		Pass
HVNT	ac80	5210	Ant12	5210.0012	0.23		Pass
LVNT	ac80	5210	Ant12	5210.0018	0.35		Pass
NVHT	ac80	5210	Ant12	5210.0024	0.46		Pass
NVLT	ac80	5210	Ant12	5210.0038	0.73		Pass
NVNT	ac80	5210	Ant12	5210.0003	0.06		Pass
HVNT	n40	5190	Ant12	5189.9988	-0.23		Pass
LVNT	n40	5190	Ant12	5189.9992	-0.15		Pass
NVHT	n40	5190	Ant12	5189.9996	-0.08		Pass
NVLT	n40	5190	Ant12	5190.0002	0.04		Pass
NVNT	n40	5190	Ant12	5189.9988	-0.23		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

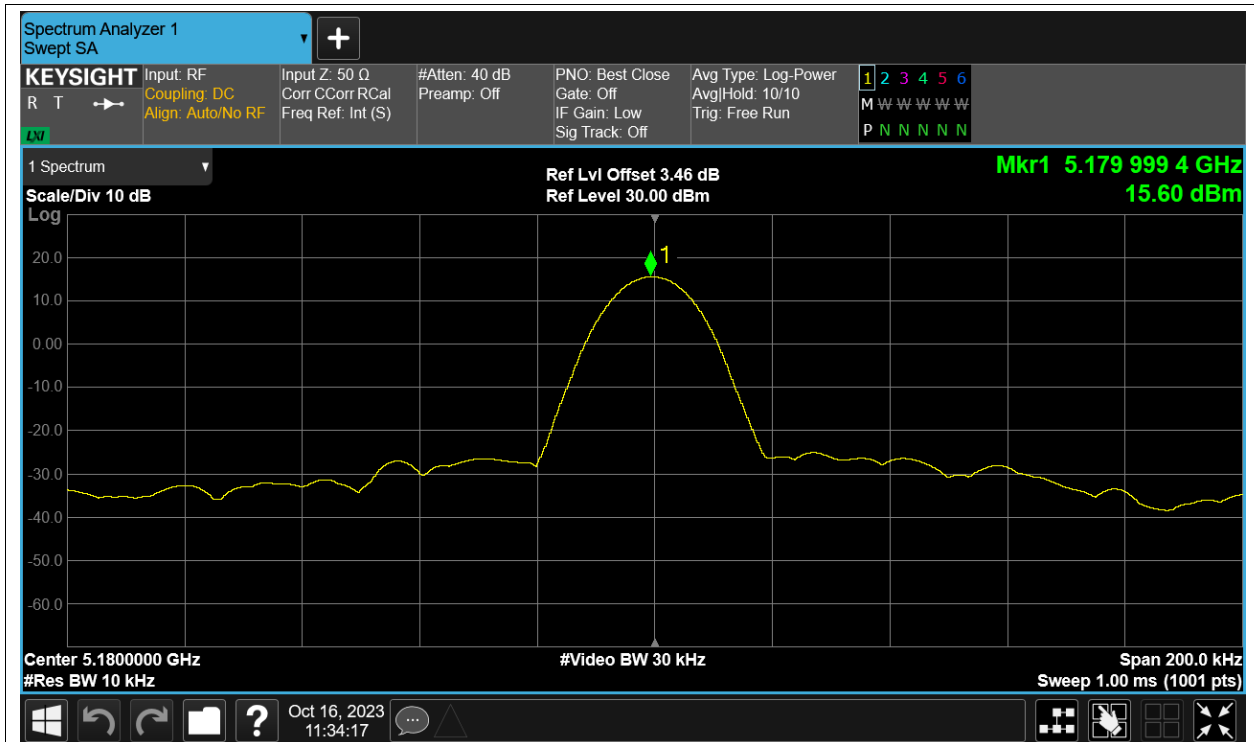
Freq. Stability HVNT a 5180MHz Ant12



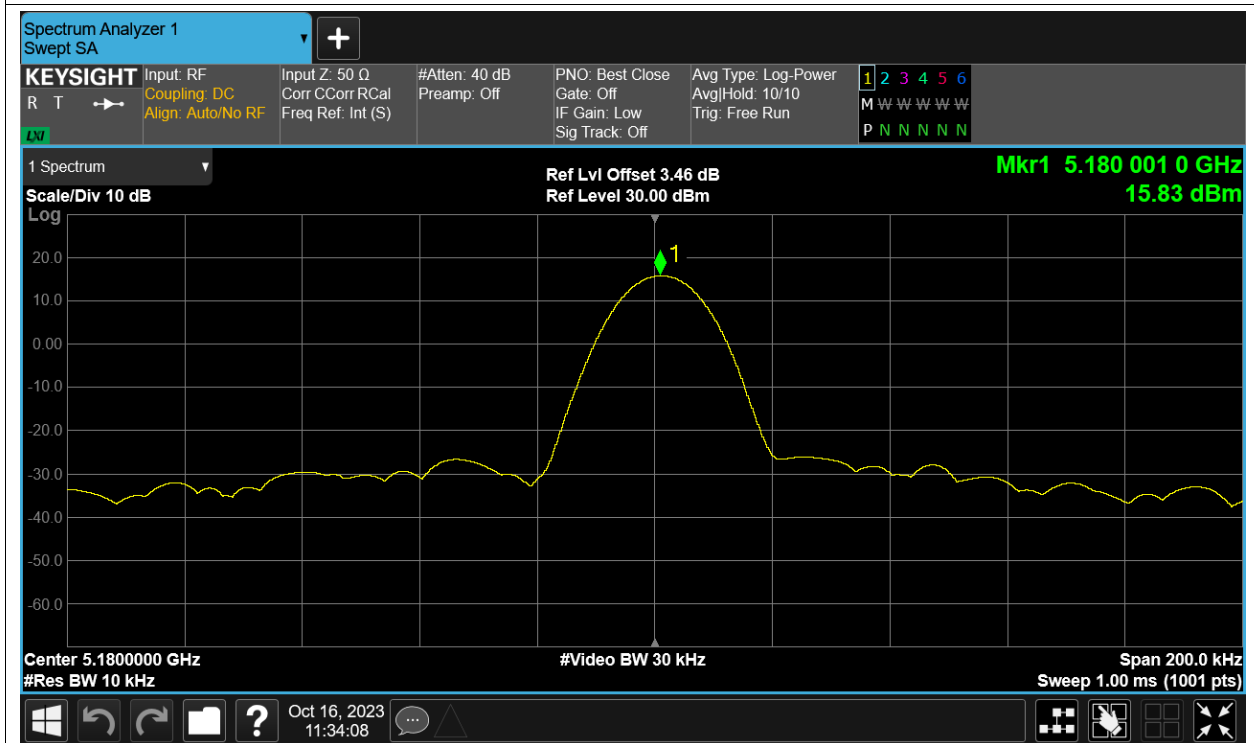
Freq. Stability LVNT a 5180MHz Ant12



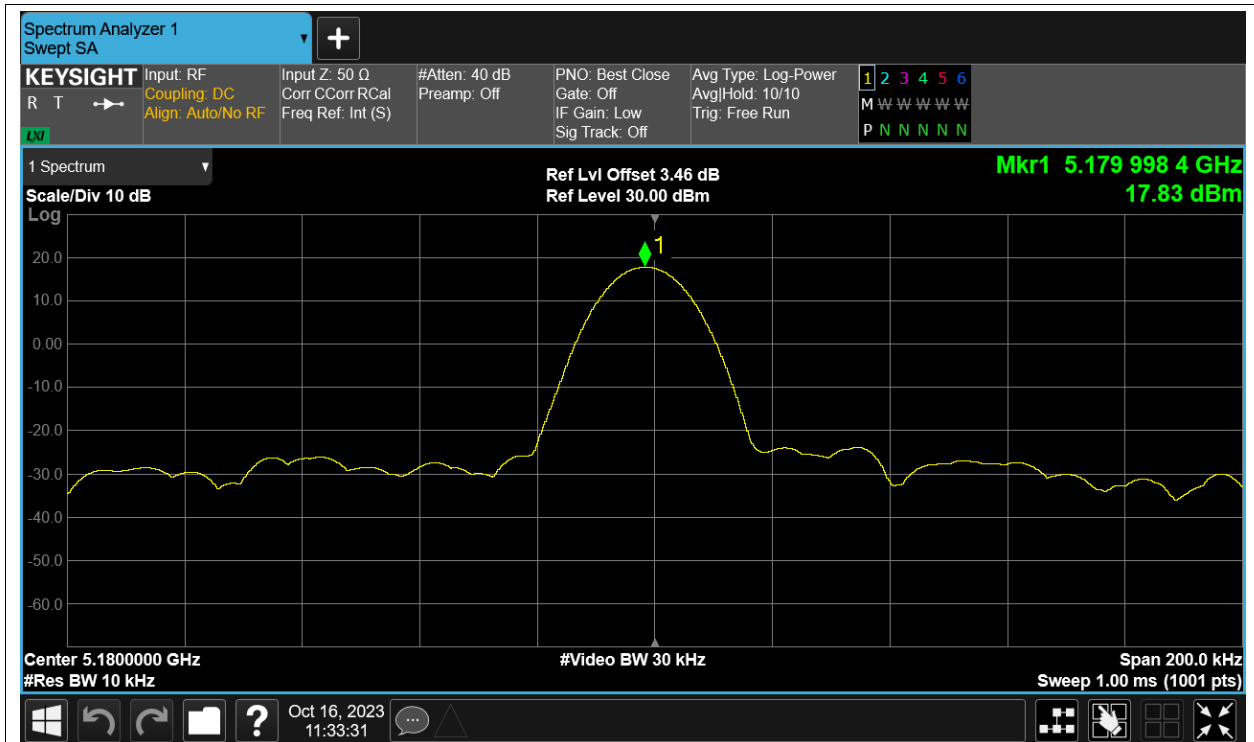
Freq. Stability NVHT a 5180MHz Ant12



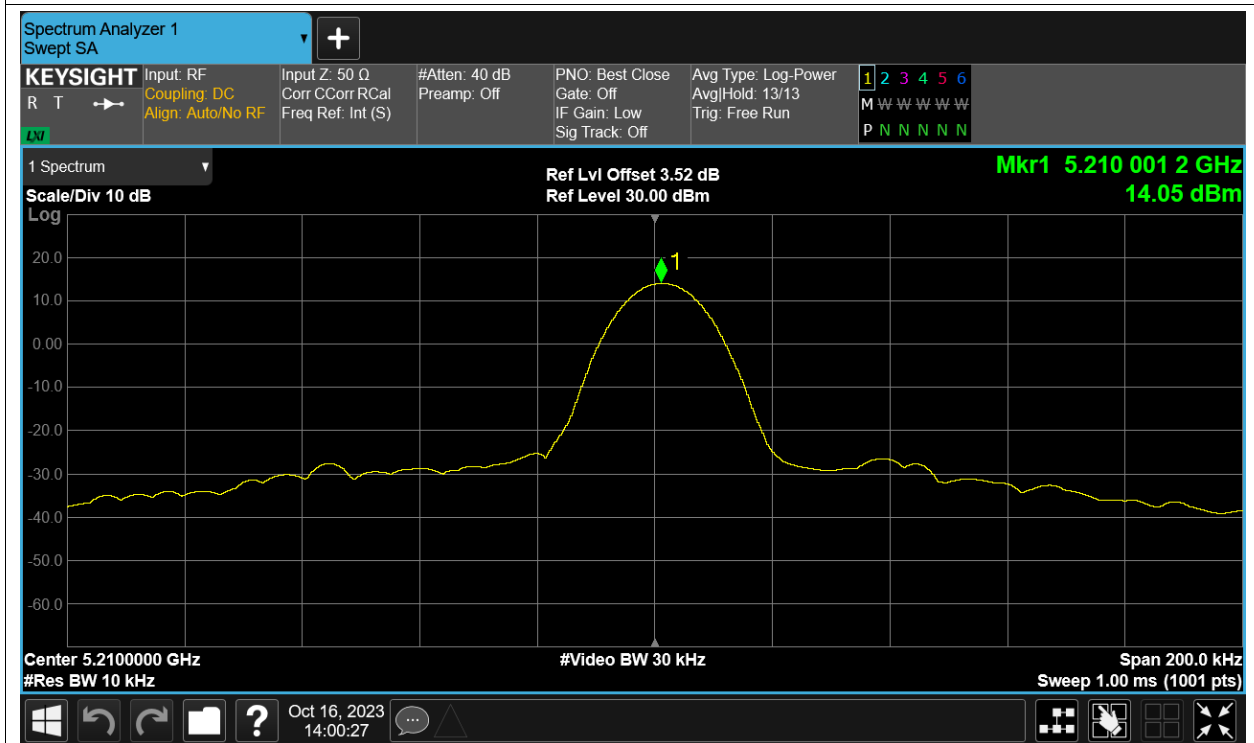
Freq. Stability NVLT a 5180MHz Ant12



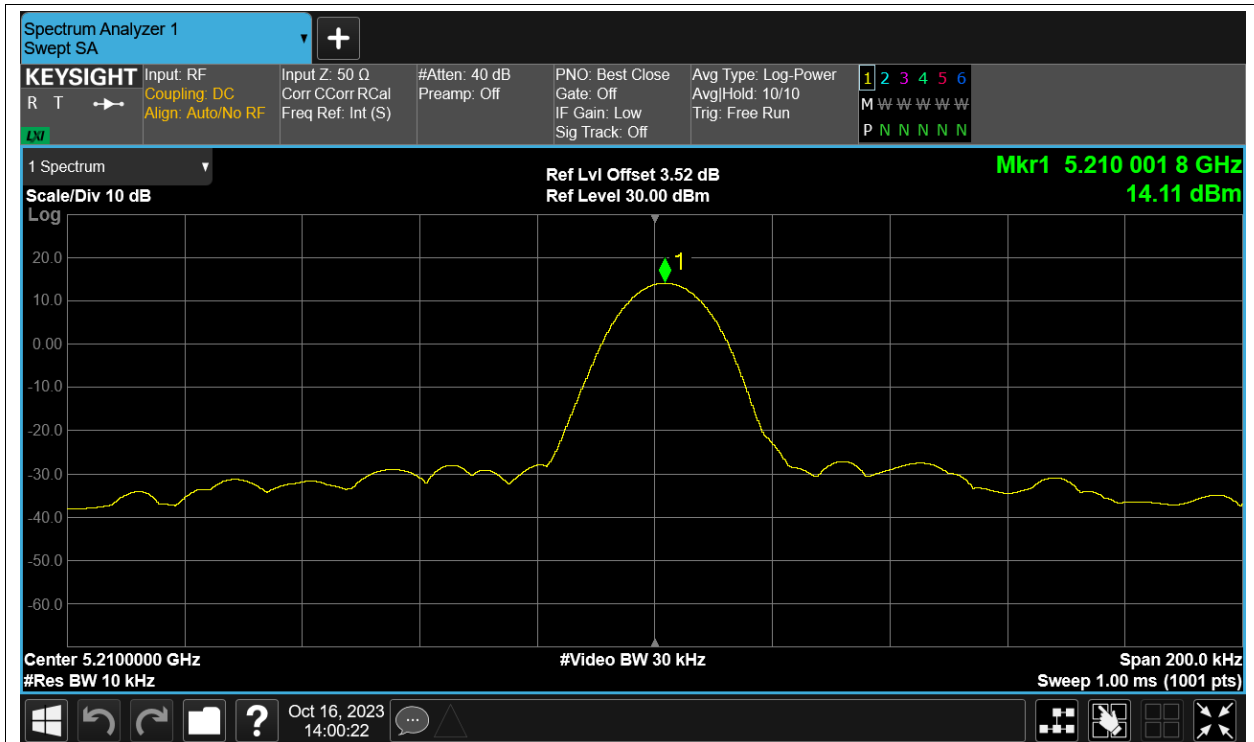
Freq. Stability NVNT a 5180MHz Ant12



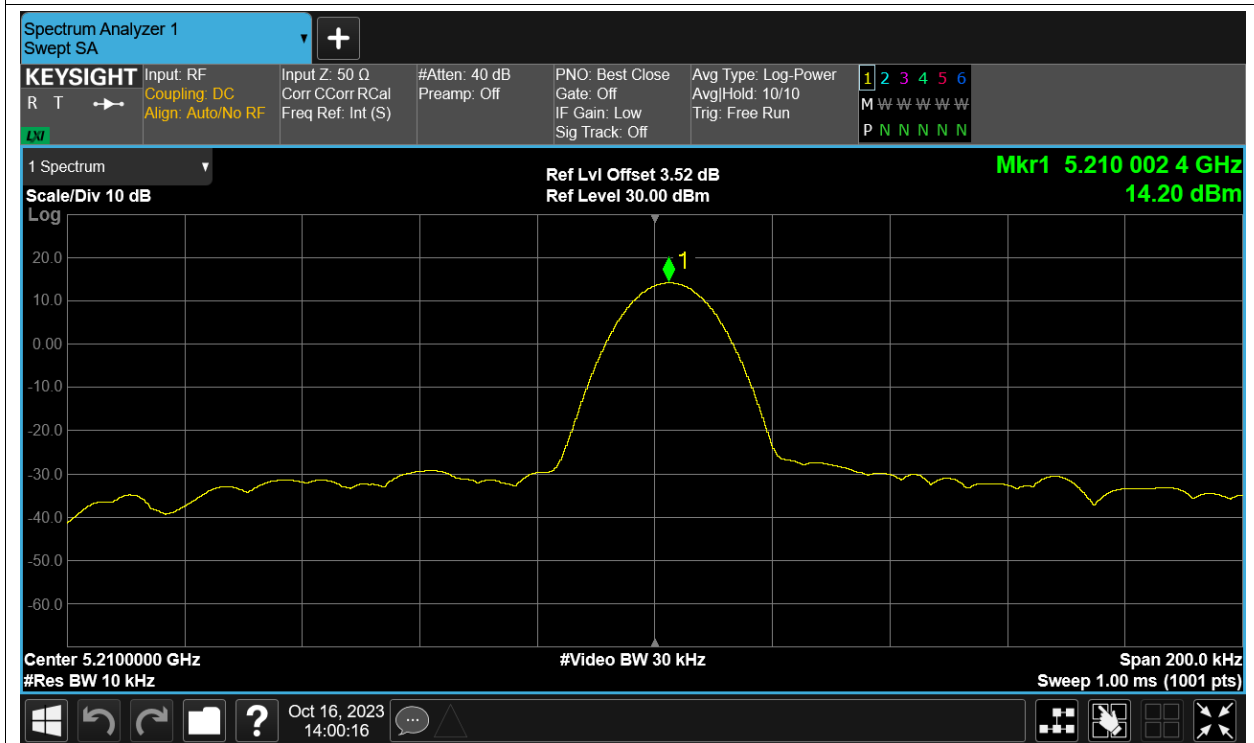
Freq. Stability HVNT ac80 5210MHz Ant12



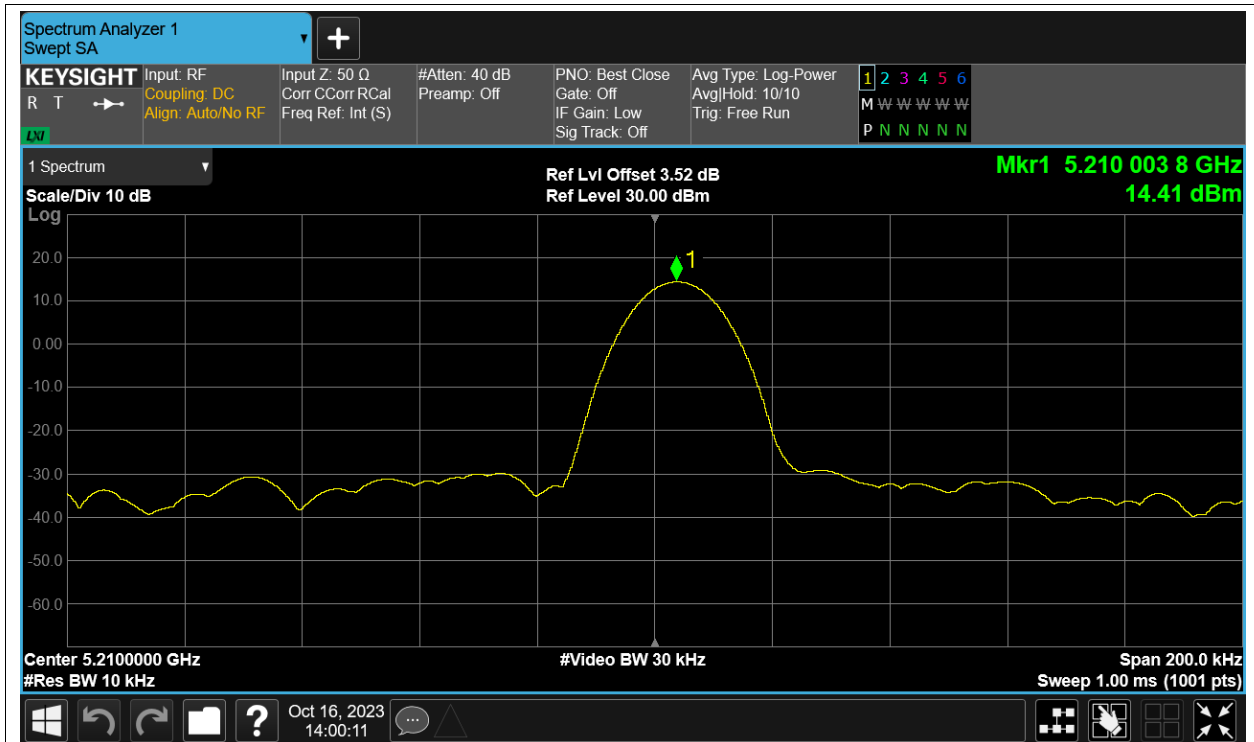
Freq. Stability LVNT ac80 5210MHz Ant12



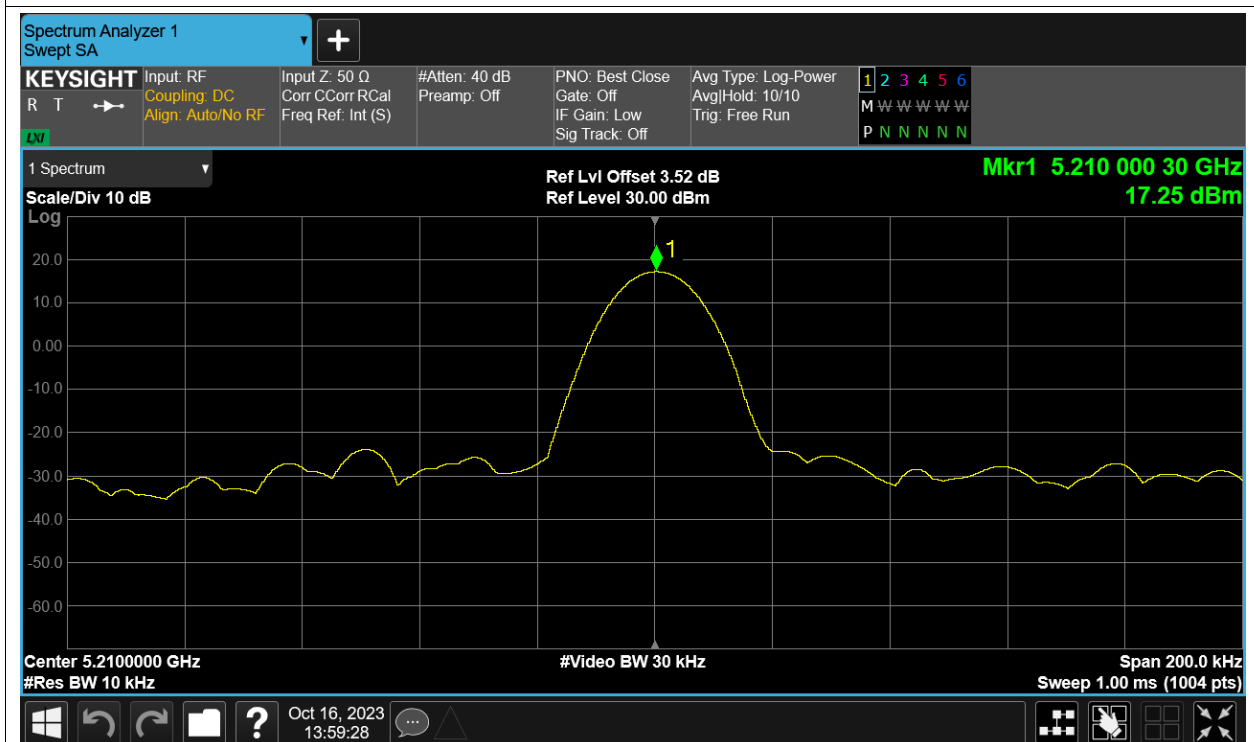
Freq. Stability NVHT ac80 5210MHz Ant12



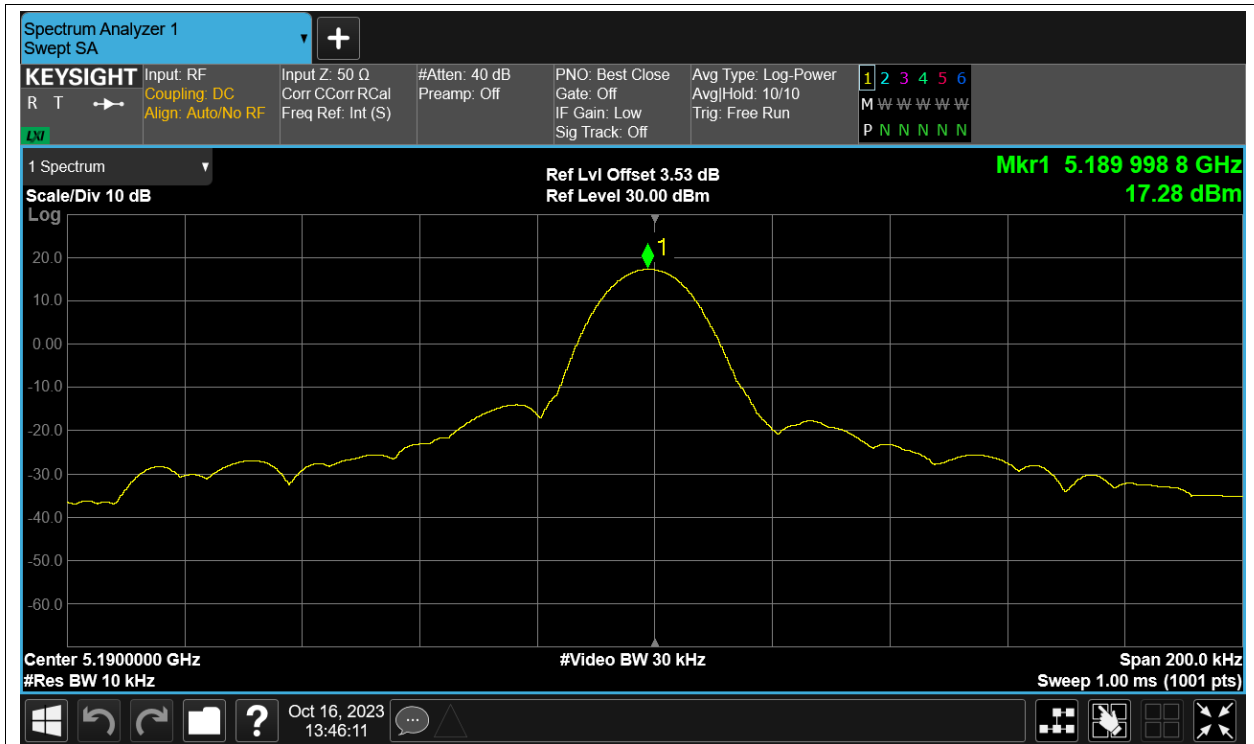
Freq. Stability NVLT ac80 5210MHz Ant12



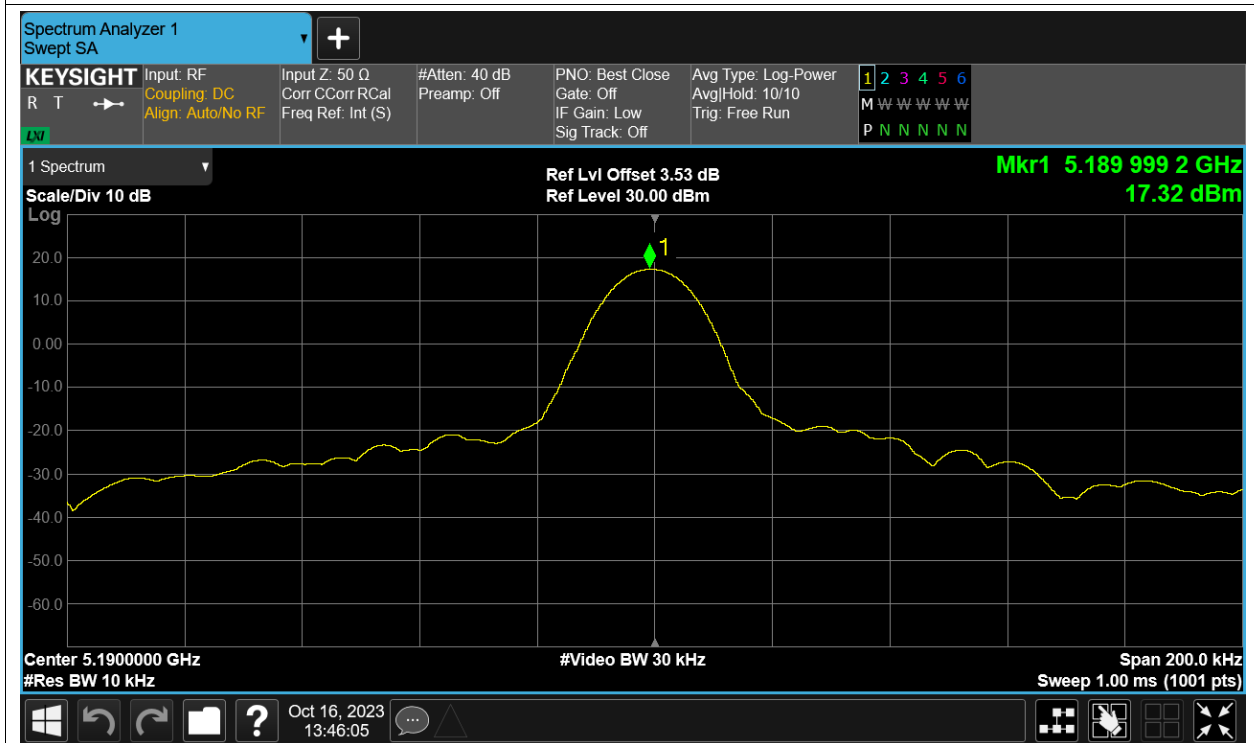
Freq. Stability NVNT ac80 5210MHz Ant12



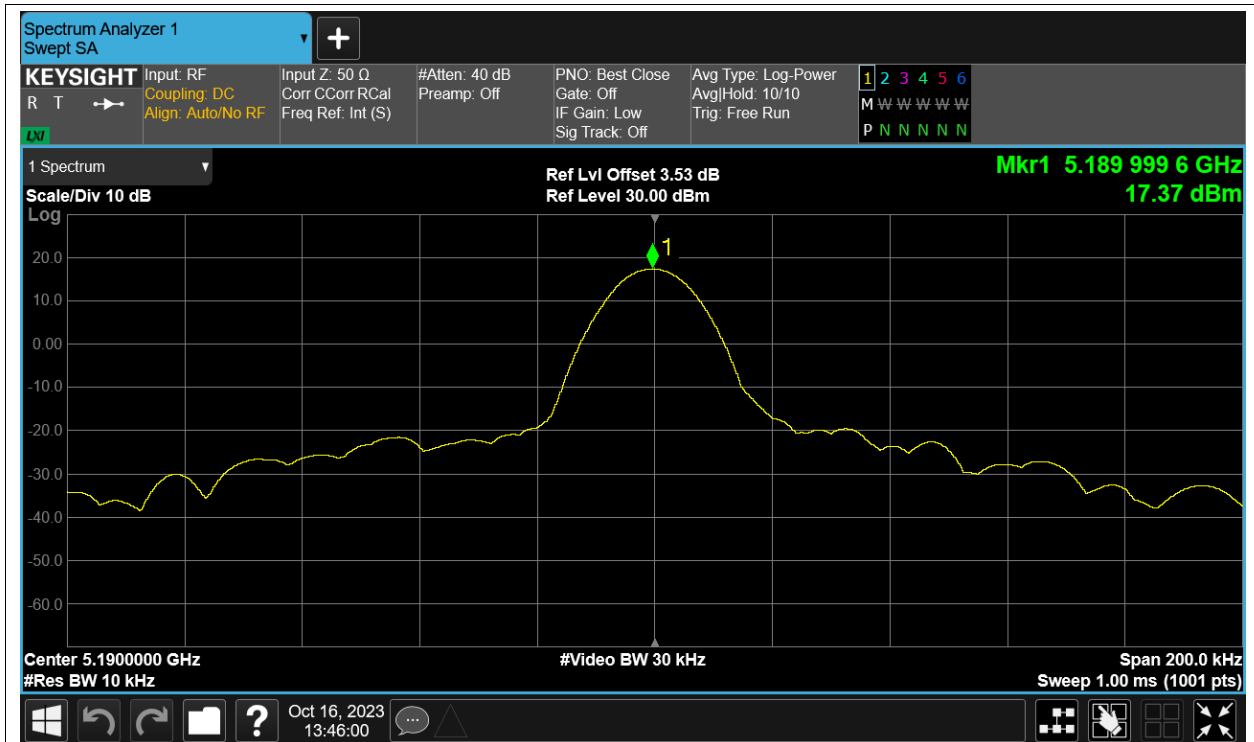
Freq. Stability HVNT n40 5190MHz Ant12



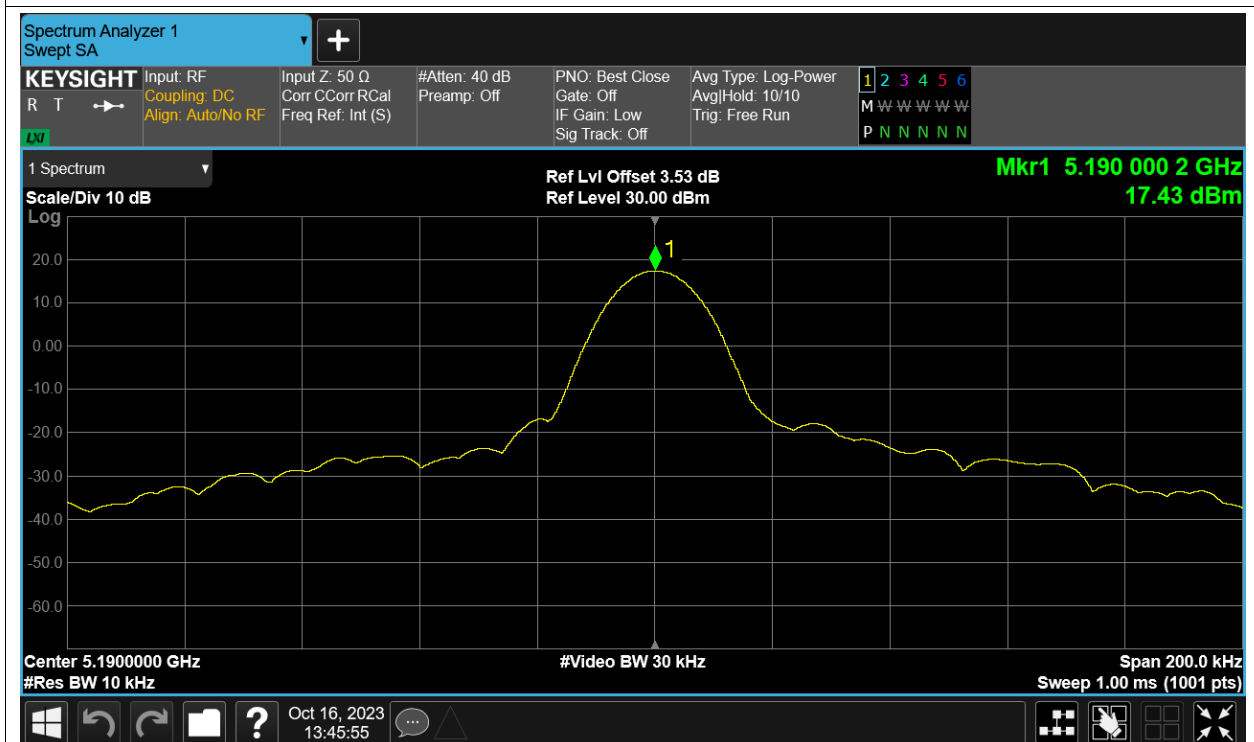
Freq. Stability LVNT n40 5190MHz Ant12



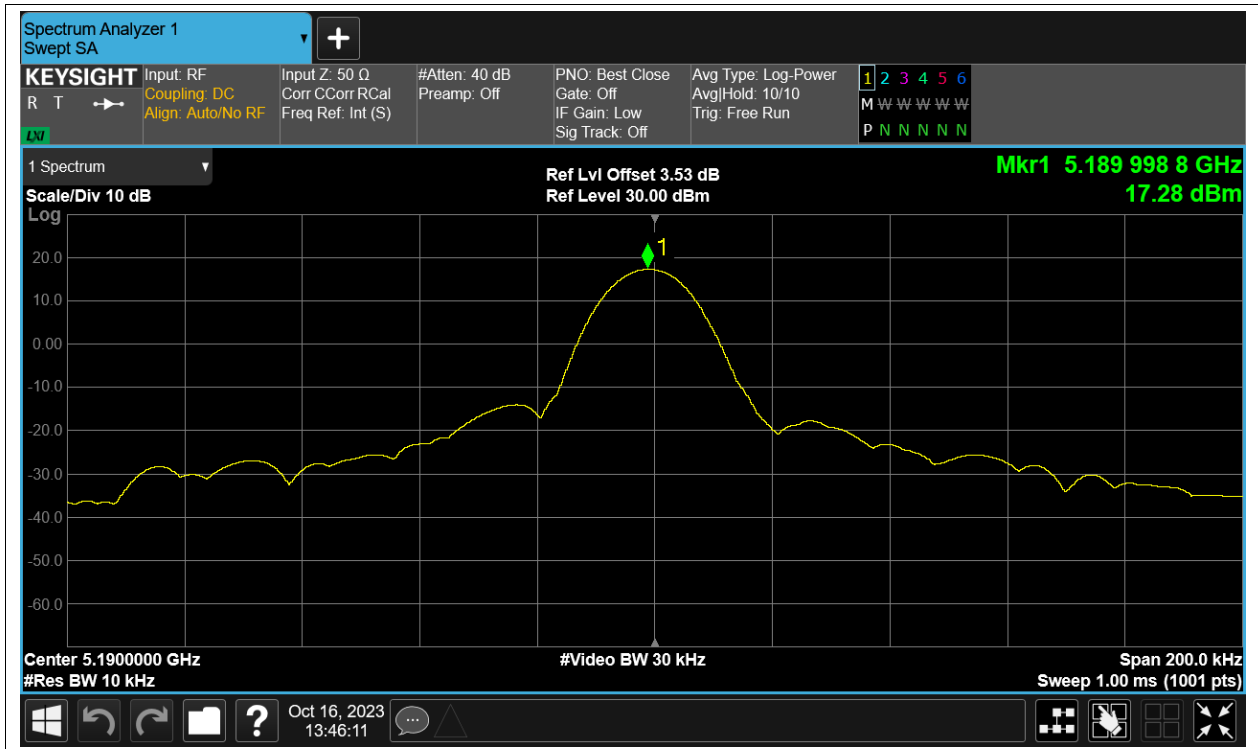
Freq. Stability NVHT n40 5190MHz Ant12



Freq. Stability NVLT n40 5190MHz Ant12



Freq. Stability NVNT n40 5190MHz Ant12

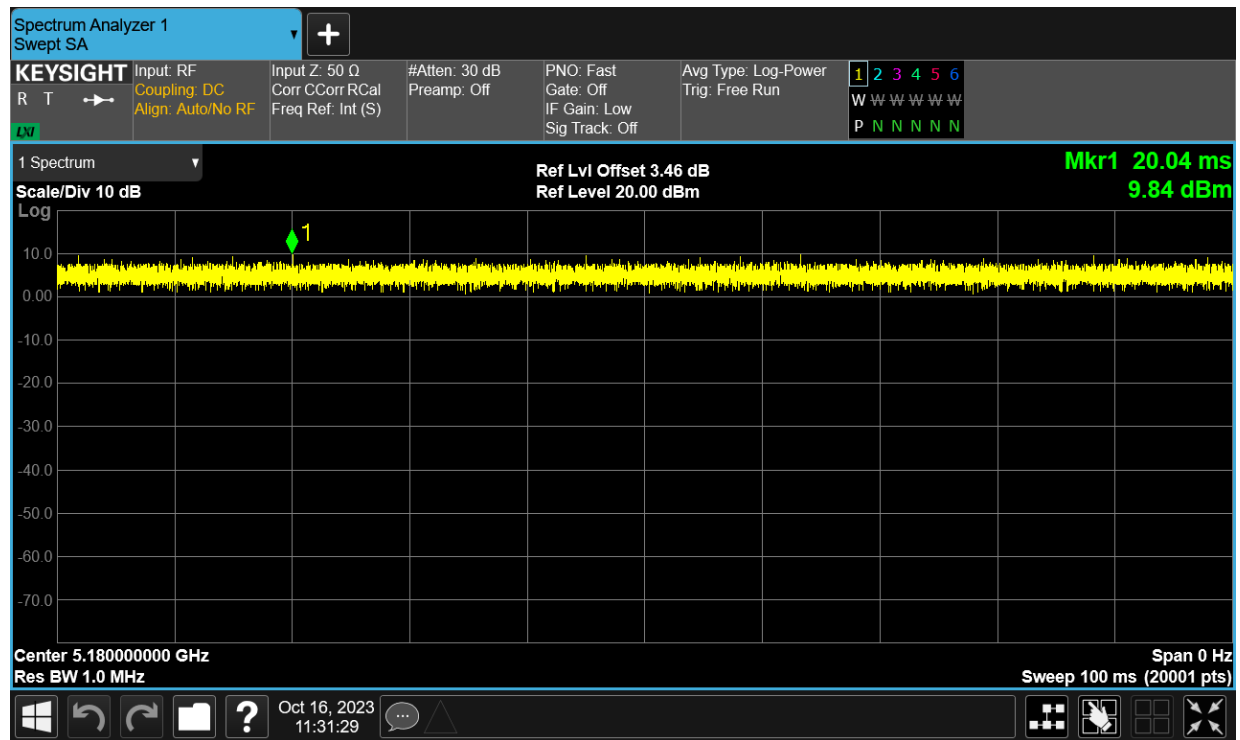


Duty Cycle

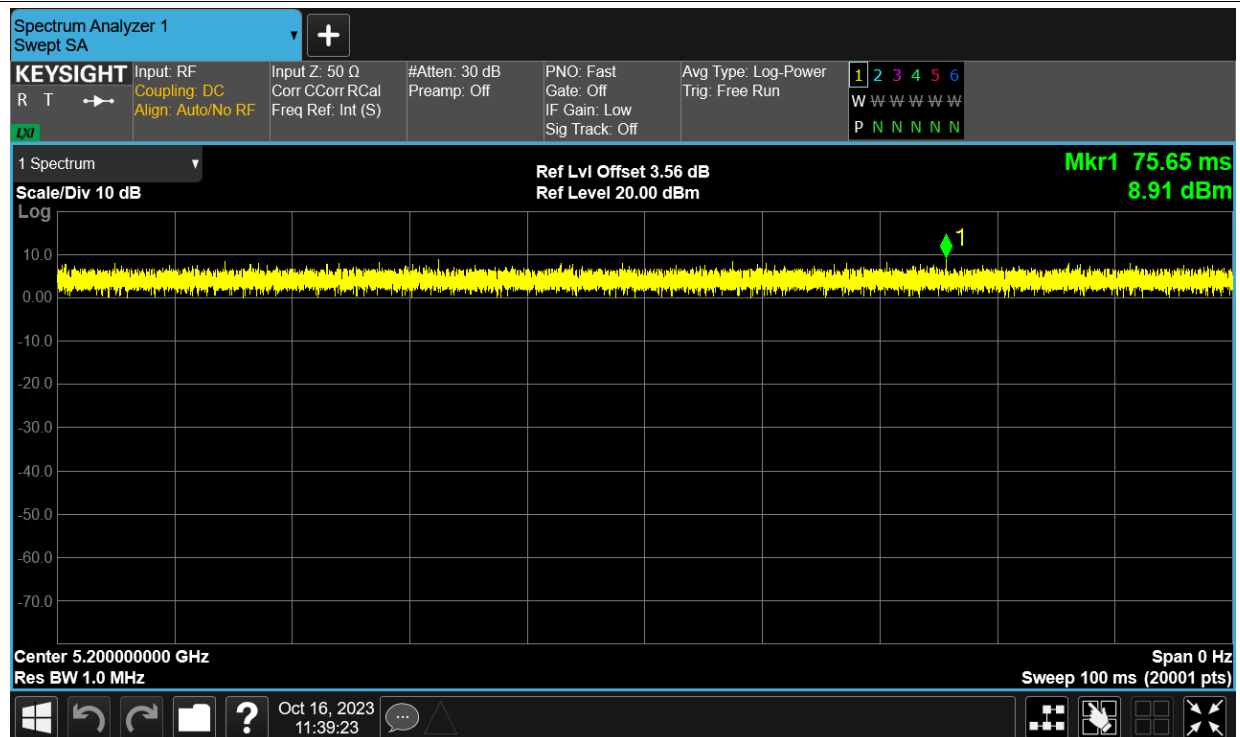
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant12	100	0
NVNT	a	5200	Ant12	100	0
NVNT	a	5240	Ant12	100	0
NVNT	ac20	5180	Ant12	100	0
NVNT	ac20	5200	Ant12	100	0
NVNT	ac20	5240	Ant12	100	0
NVNT	ac40	5190	Ant12	100	0
NVNT	ac40	5230	Ant12	100	0
NVNT	ac80	5210	Ant12	100	0
NVNT	n20	5180	Ant12	100	0
NVNT	n20	5200	Ant12	100	0
NVNT	n20	5240	Ant12	100	0
NVNT	n40	5190	Ant12	100	0
NVNT	n40	5230	Ant12	100	0

Test Graphs

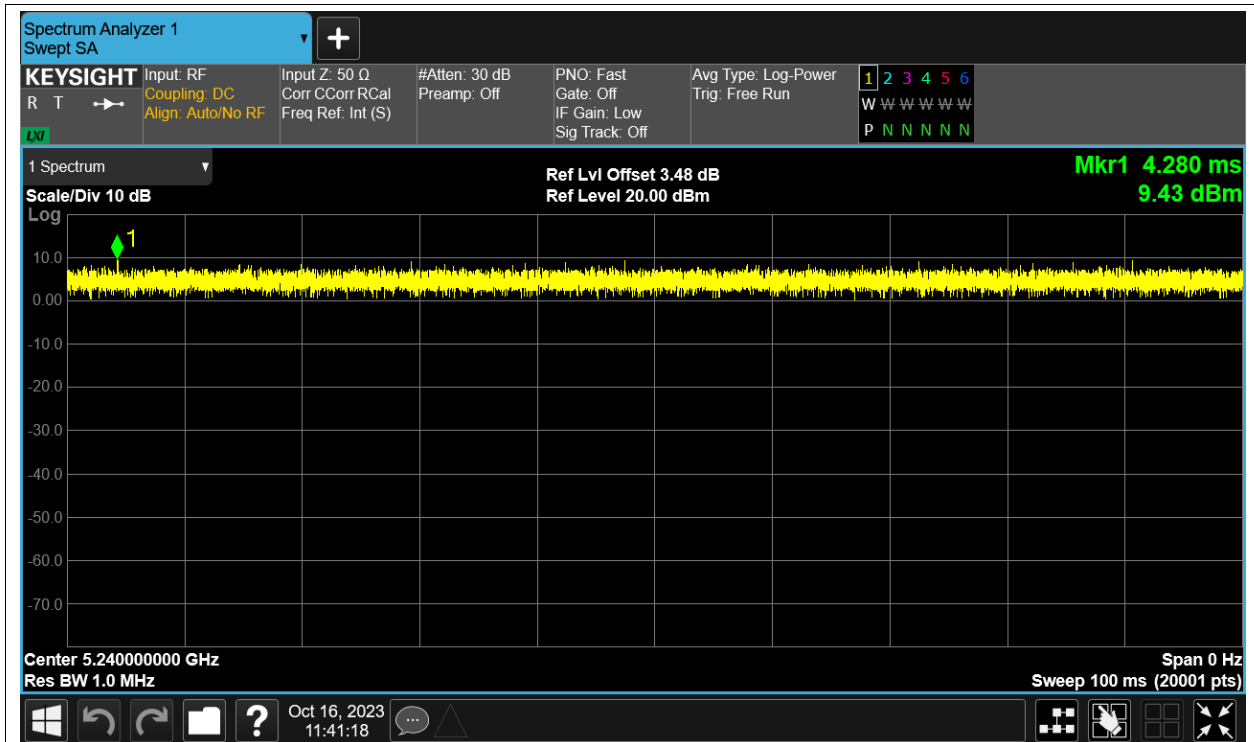
Duty Cycle NVNT a 5180MHz Ant12



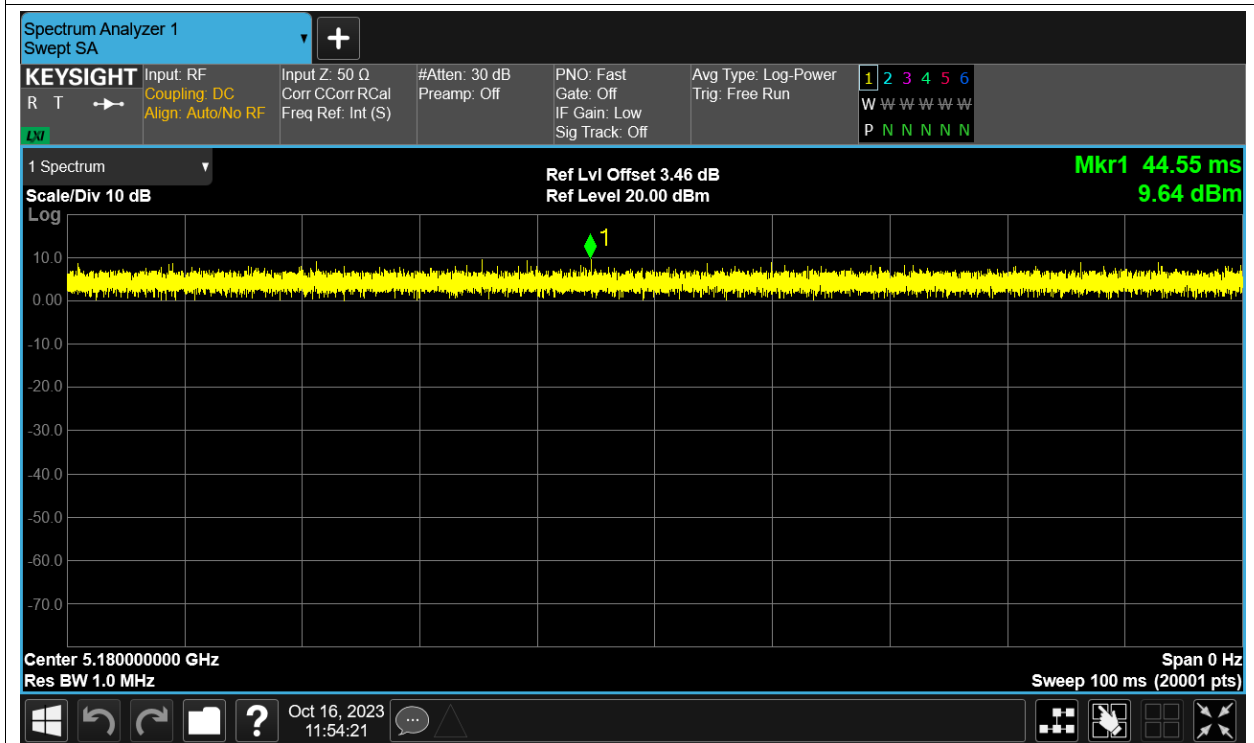
Duty Cycle NVNT a 5200MHz Ant12



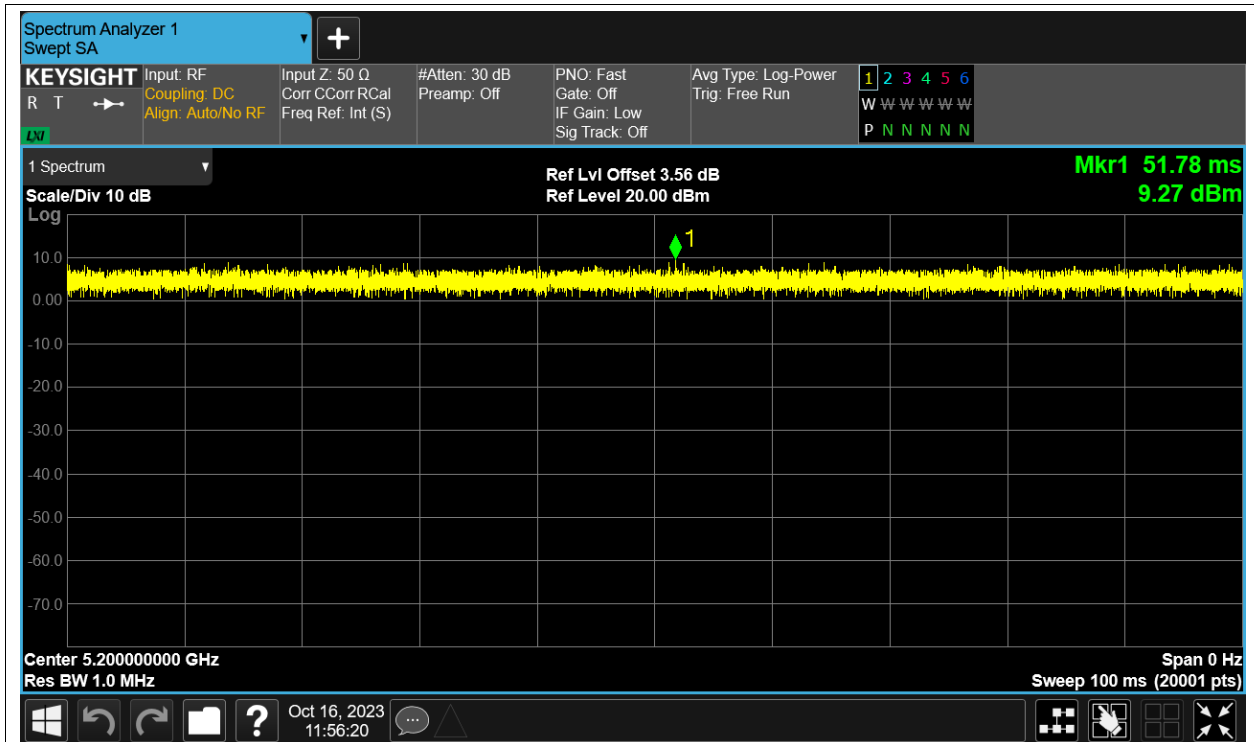
Duty Cycle NVNT a 5240MHz Ant12



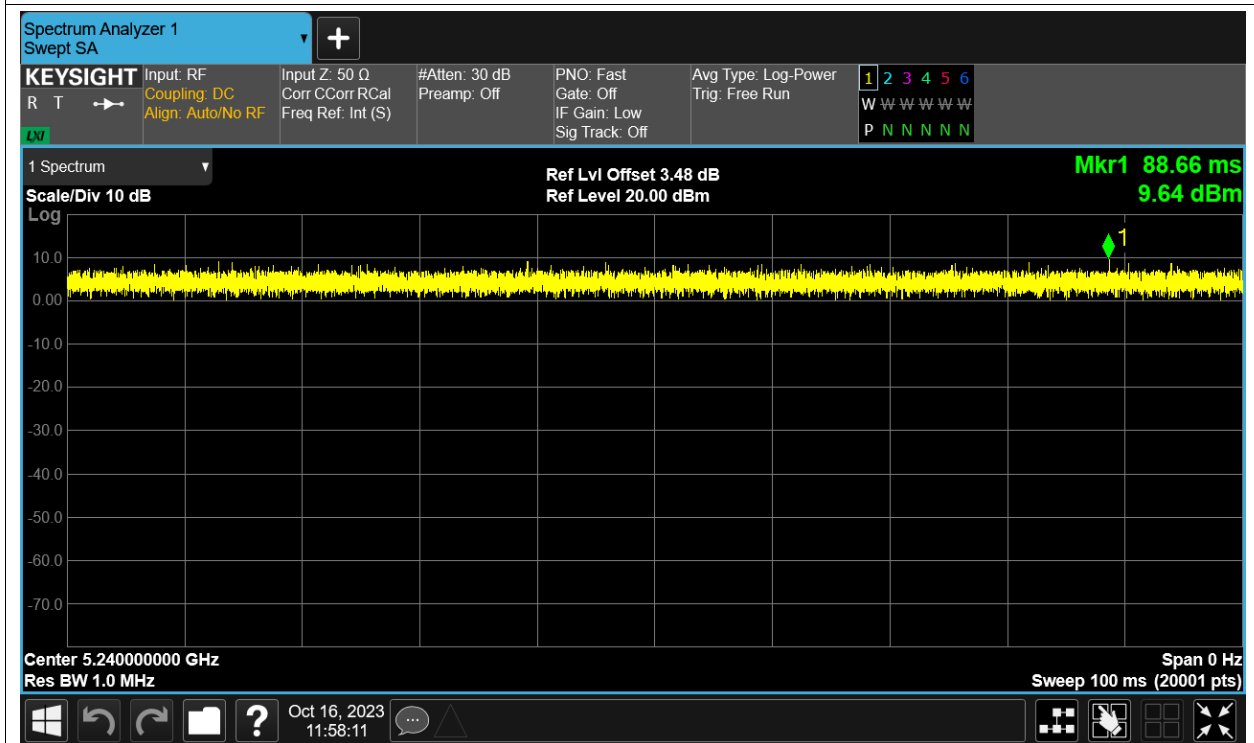
Duty Cycle NVNT ac20 5180MHz Ant12



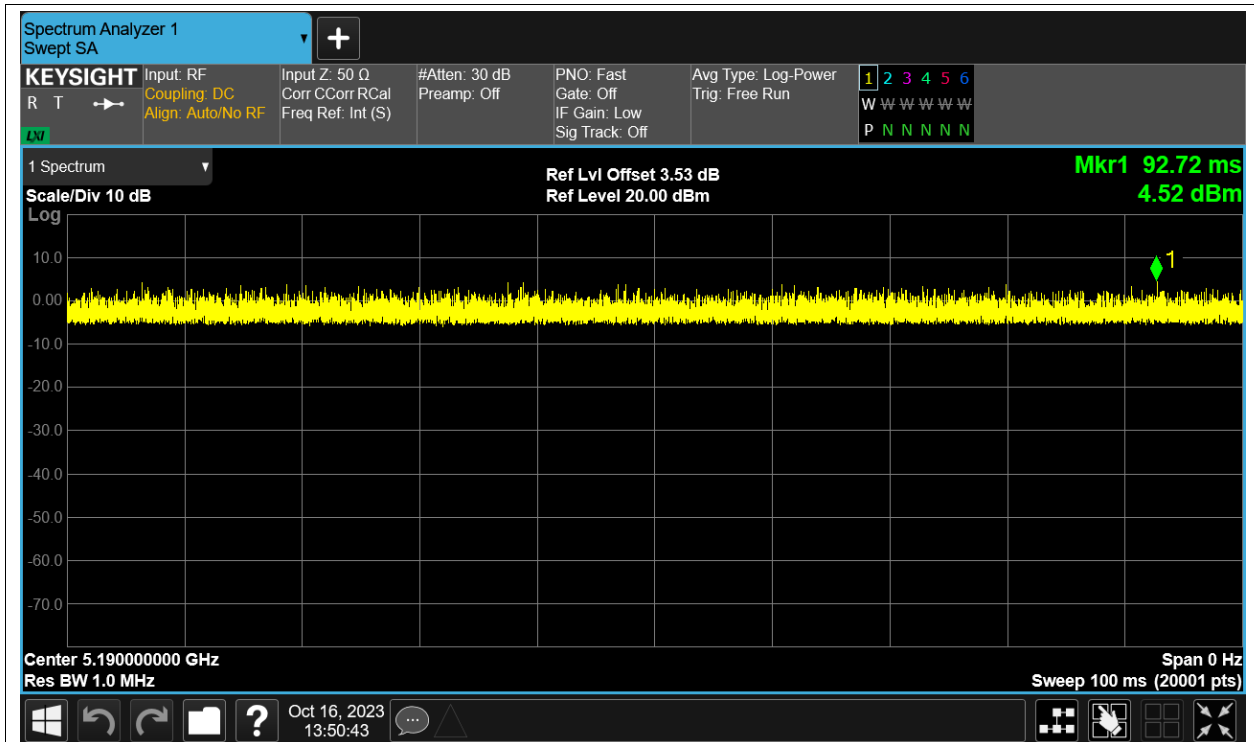
Duty Cycle NVNT ac20 5200MHz Ant12



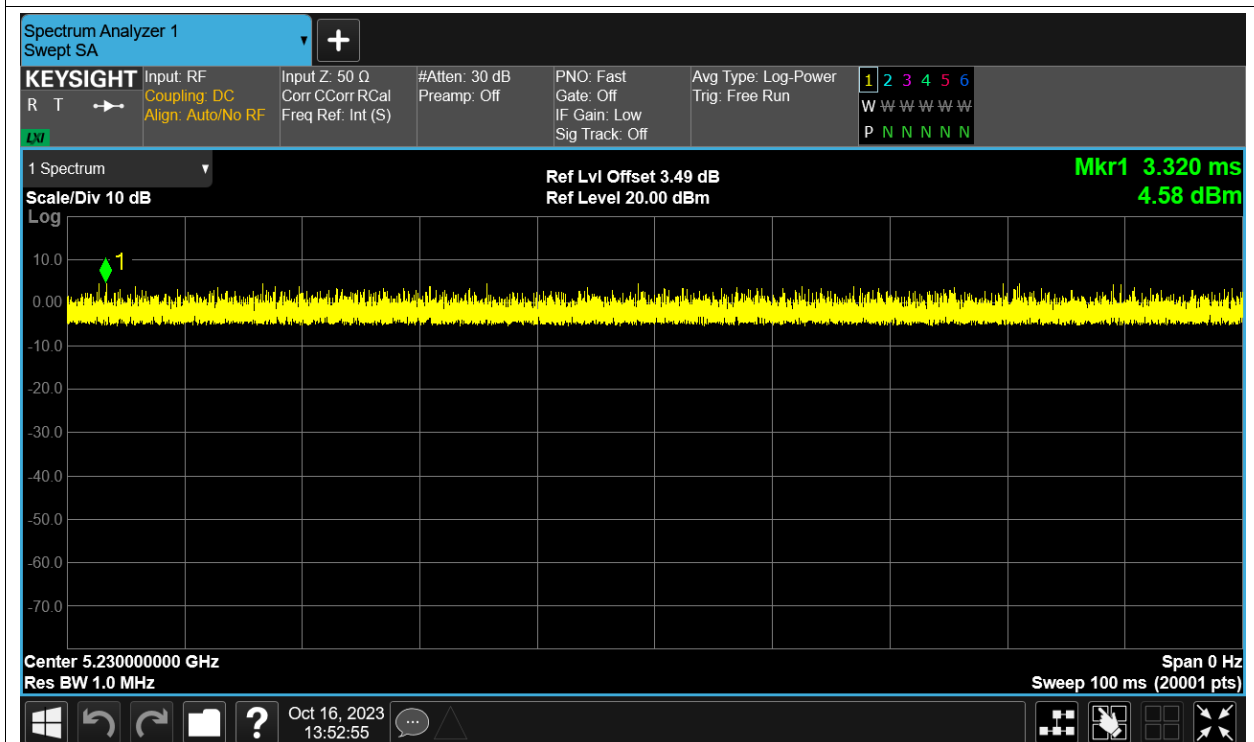
Duty Cycle NVNT ac20 5240MHz Ant12



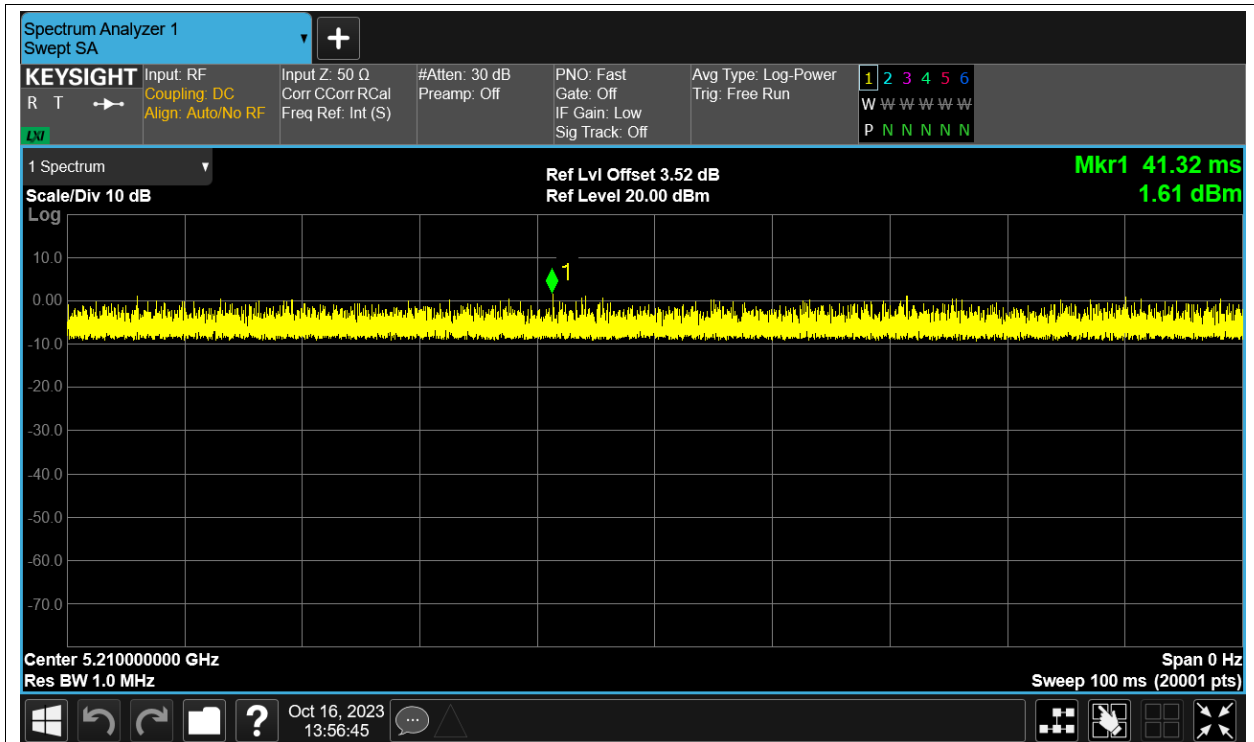
Duty Cycle NVNT ac40 5190MHz Ant12



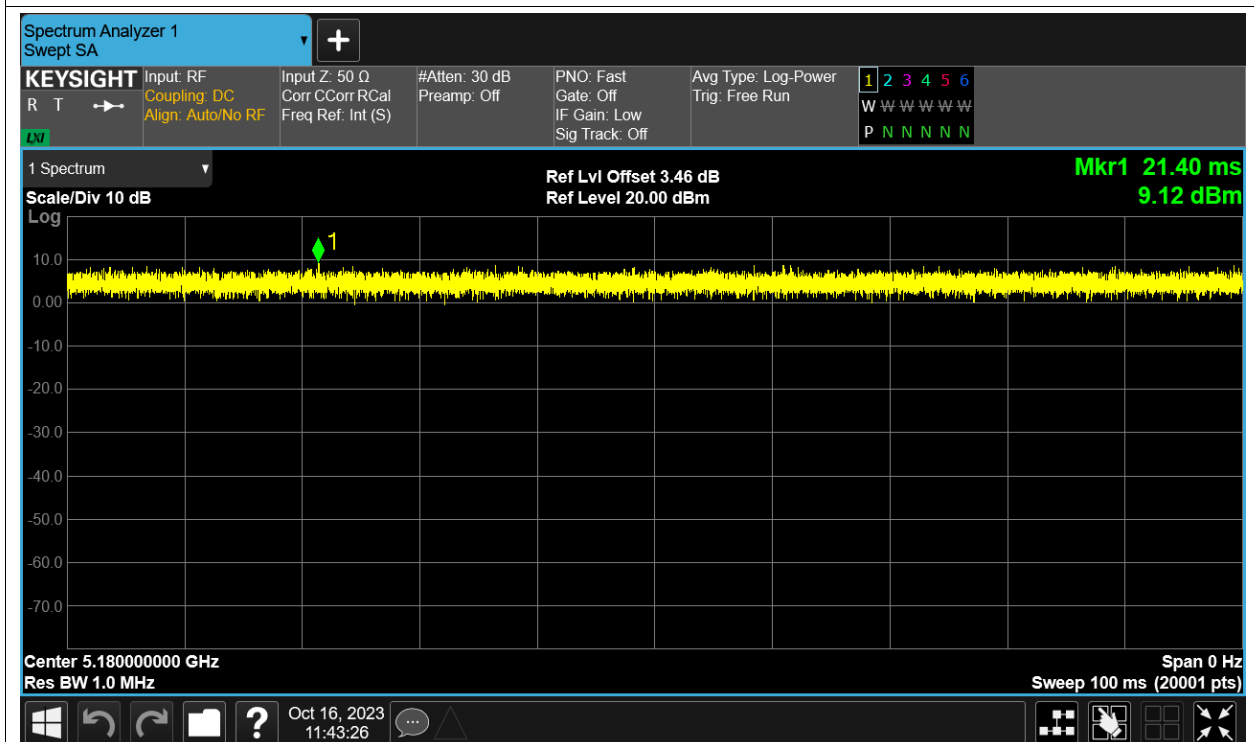
Duty Cycle NVNT ac40 5230MHz Ant12



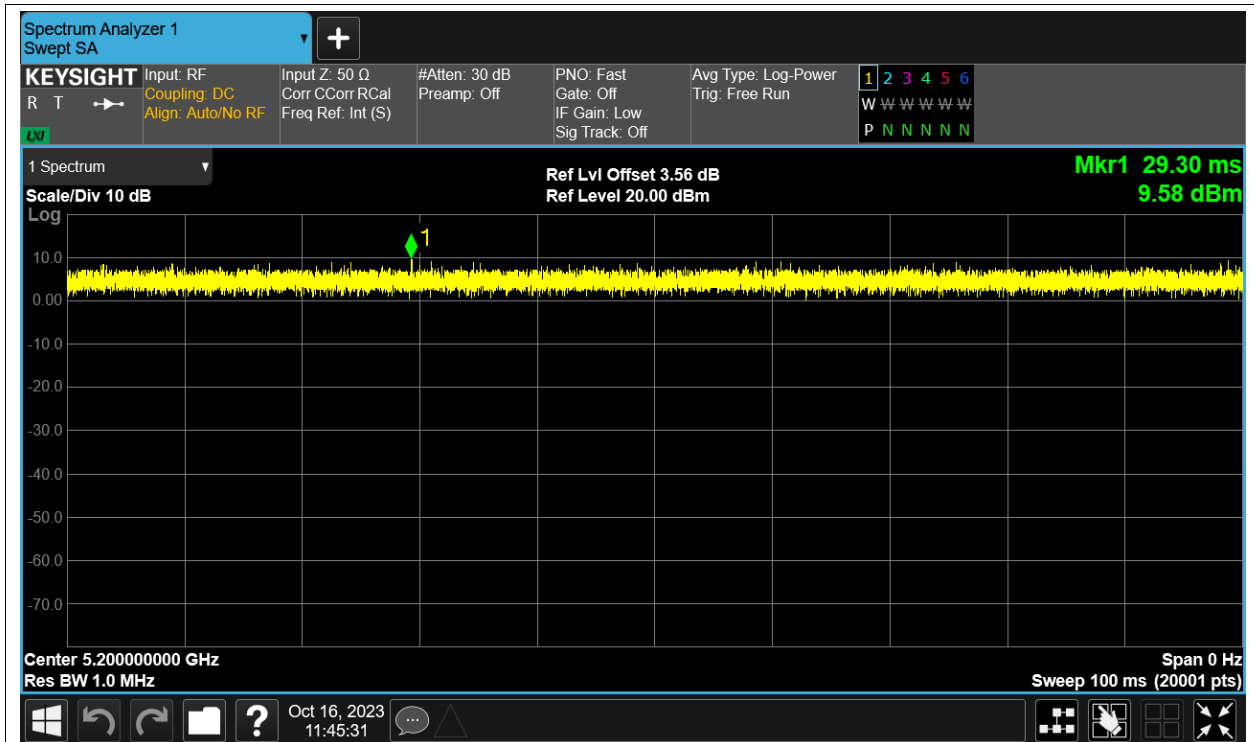
Duty Cycle NVNT ac80 5210MHz Ant12



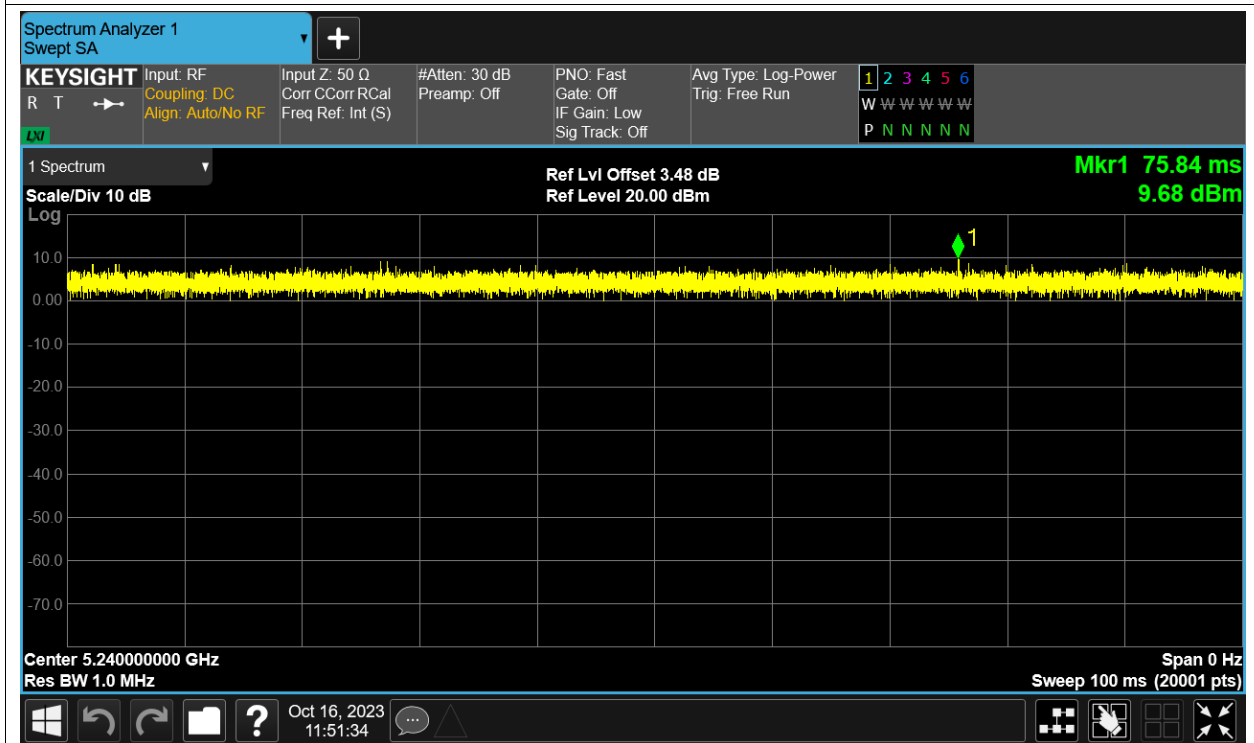
Duty Cycle NVNT n20 5180MHz Ant12



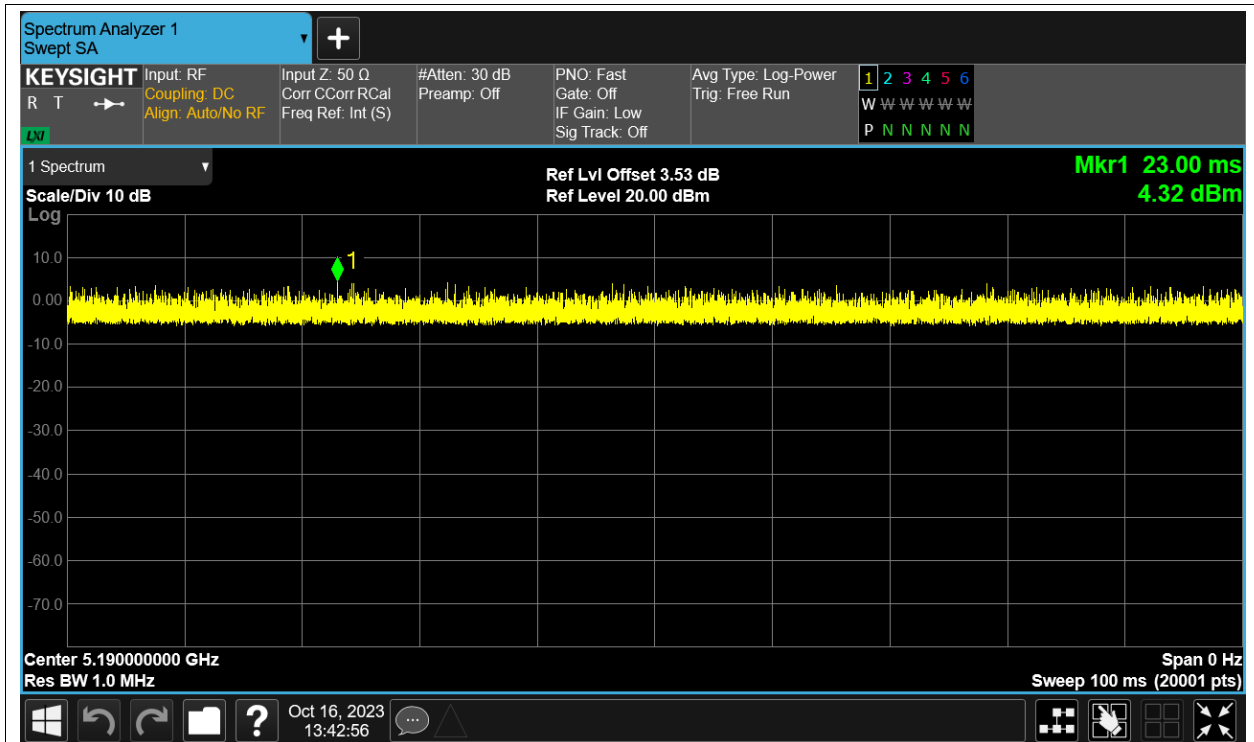
Duty Cycle NVNT n20 5200MHz Ant12



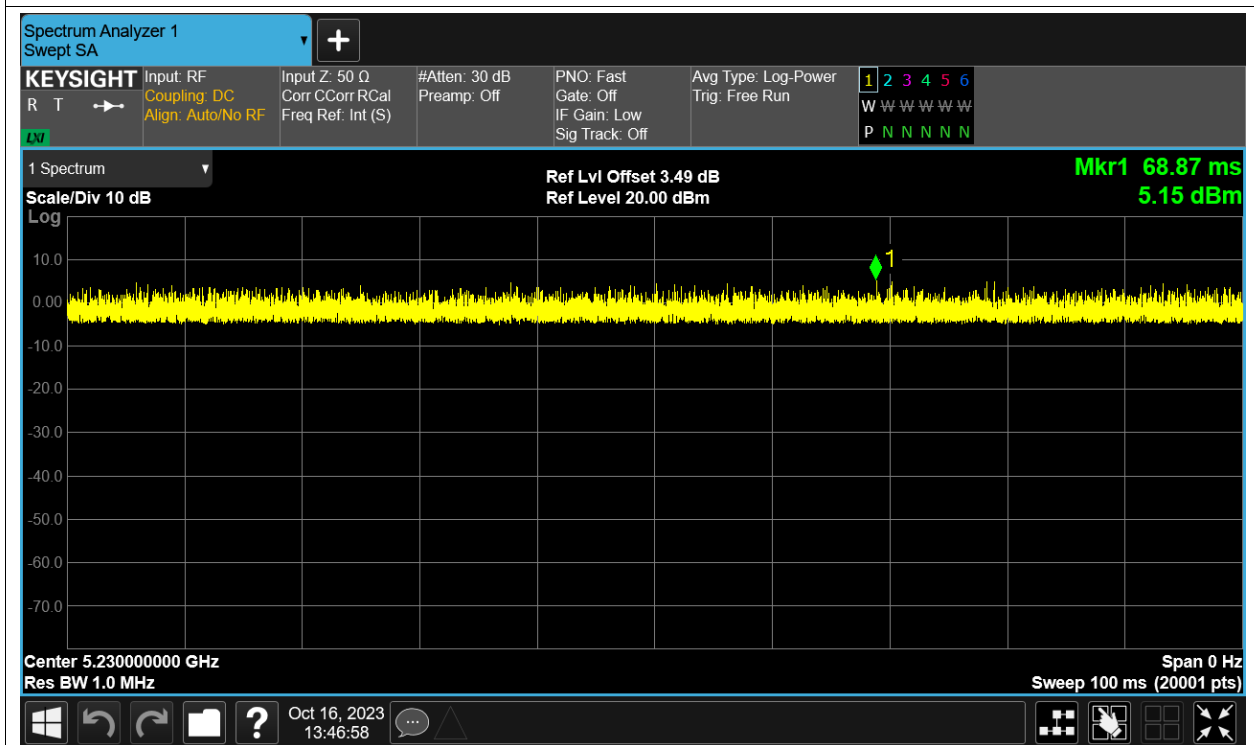
Duty Cycle NVNT n20 5240MHz Ant12



Duty Cycle NVNT n40 5190MHz Ant12



Duty Cycle NVNT n40 5230MHz Ant12



Maximum Conducted Output Power

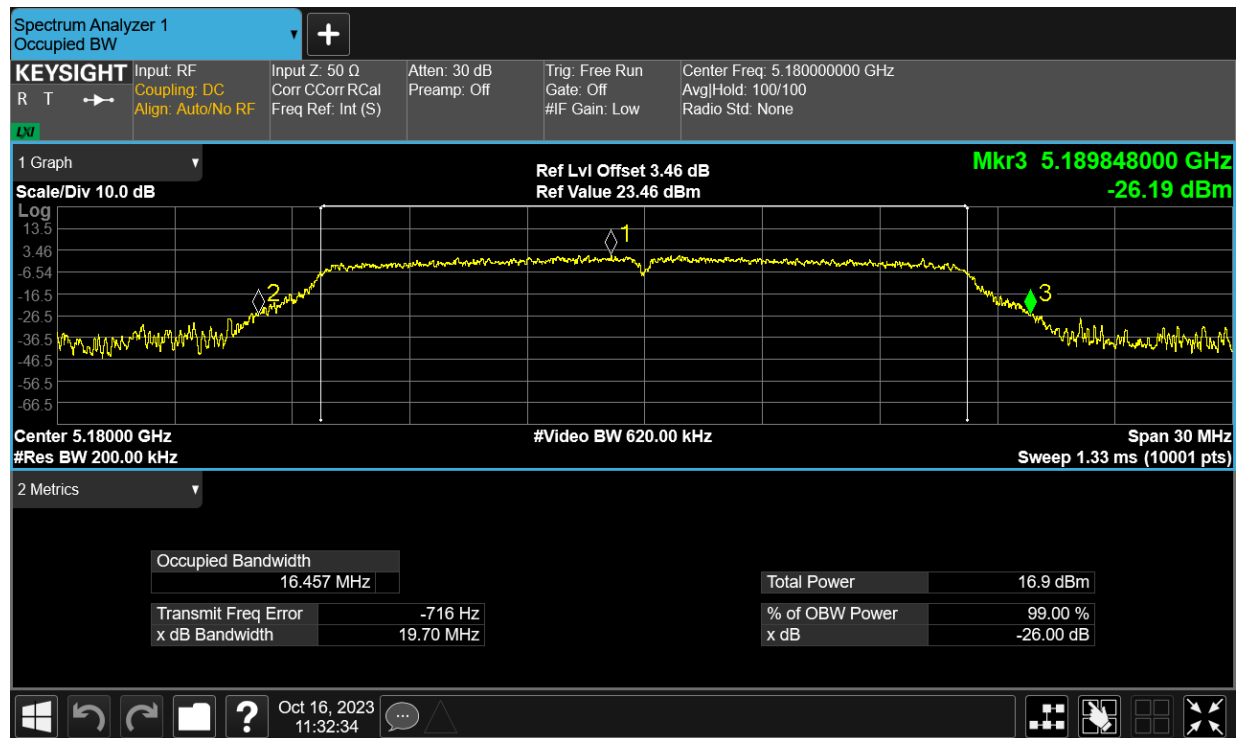
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant12	12.63	0	12.63	24	Pass
NVNT	a	5200	Ant12	11.05	0	11.05	24	Pass
NVNT	a	5240	Ant12	12.17	0	12.17	24	Pass
NVNT	ac20	5180	Ant12	12.19	0	12.19	24	Pass
NVNT	ac20	5200	Ant12	11.54	0	11.54	24	Pass
NVNT	ac20	5240	Ant12	12.09	0	12.09	24	Pass
NVNT	ac40	5190	Ant12	11.06	0	11.06	24	Pass
NVNT	ac40	5230	Ant12	11.14	0	11.14	24	Pass
NVNT	ac80	5210	Ant12	10.38	0	10.38	24	Pass
NVNT	n20	5180	Ant12	12.38	0	12.38	24	Pass
NVNT	n20	5200	Ant12	11.66	0	11.66	24	Pass
NVNT	n20	5240	Ant12	12.08	0	12.08	24	Pass
NVNT	n40	5190	Ant12	10.96	0	10.96	24	Pass
NVNT	n40	5230	Ant12	11.04	0	11.04	24	Pass

-26dB Bandwidth

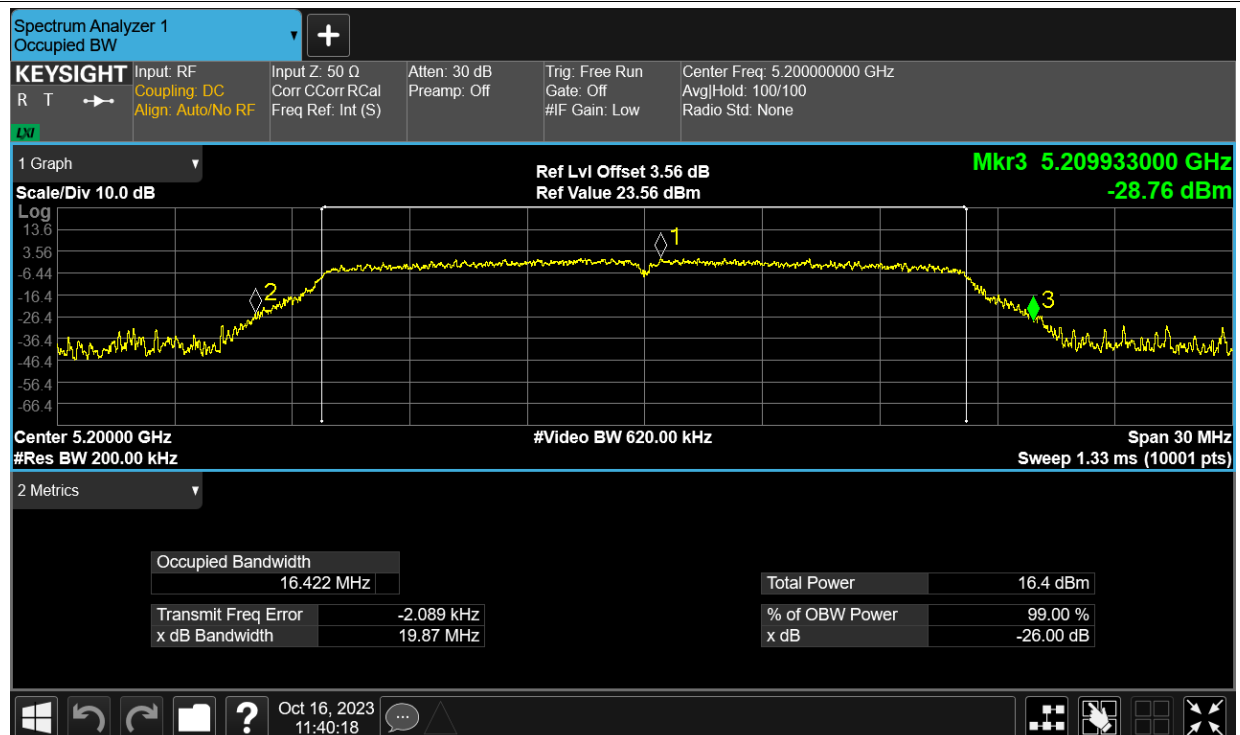
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant12	19.697
NVNT	a	5200	Ant12	19.869
NVNT	a	5240	Ant12	19.783
NVNT	ac20	5180	Ant12	20.155
NVNT	ac20	5200	Ant12	20.226
NVNT	ac20	5240	Ant12	20.2
NVNT	ac40	5190	Ant12	39.363
NVNT	ac40	5230	Ant12	39.674
NVNT	ac80	5210	Ant12	78.729
NVNT	n20	5180	Ant12	19.974
NVNT	n20	5200	Ant12	20.132
NVNT	n20	5240	Ant12	20.231
NVNT	n40	5190	Ant12	39.25
NVNT	n40	5230	Ant12	38.944

Test Graphs

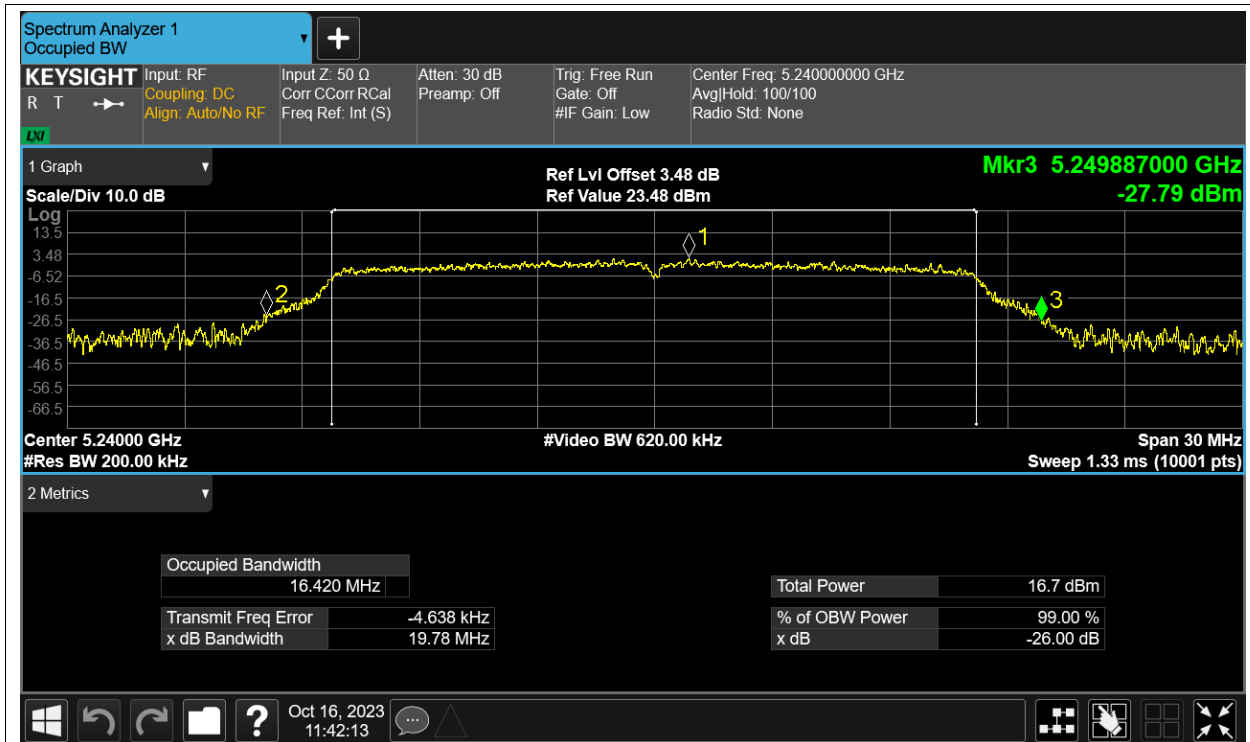
-26dB Bandwidth NVNT a 5180MHz Ant12



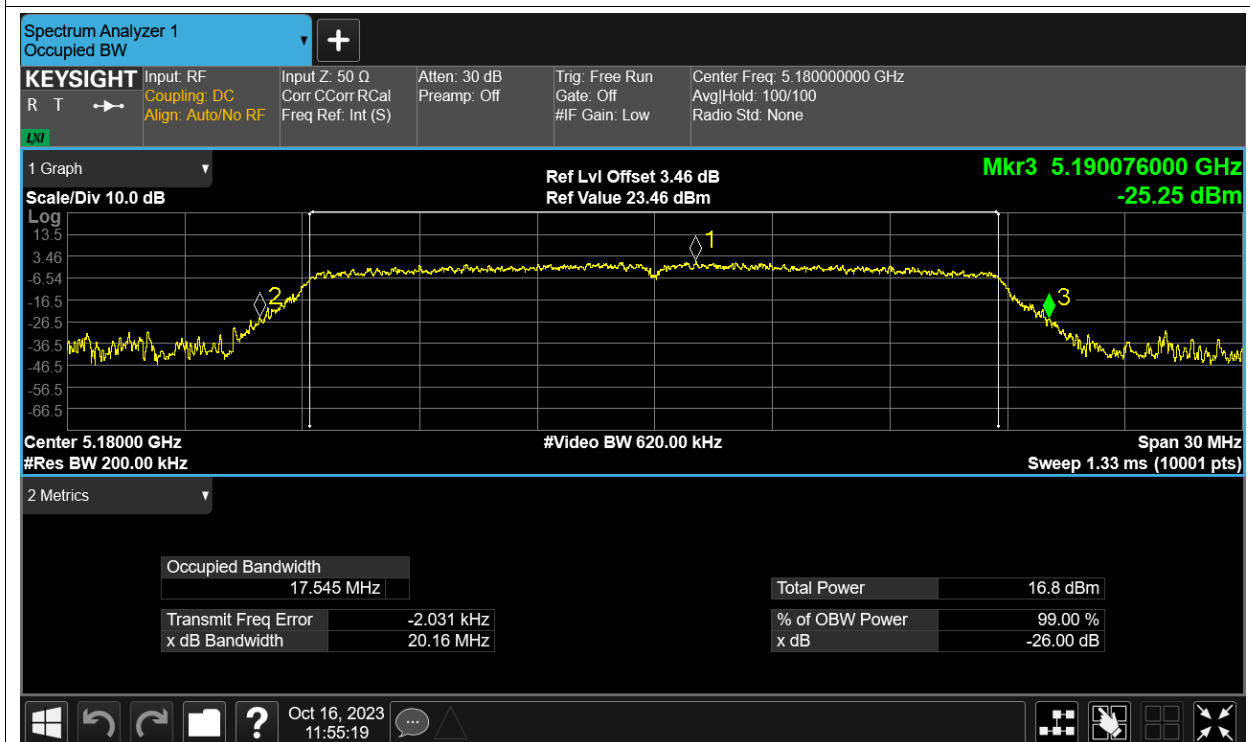
-26dB Bandwidth NVNT a 5200MHz Ant12



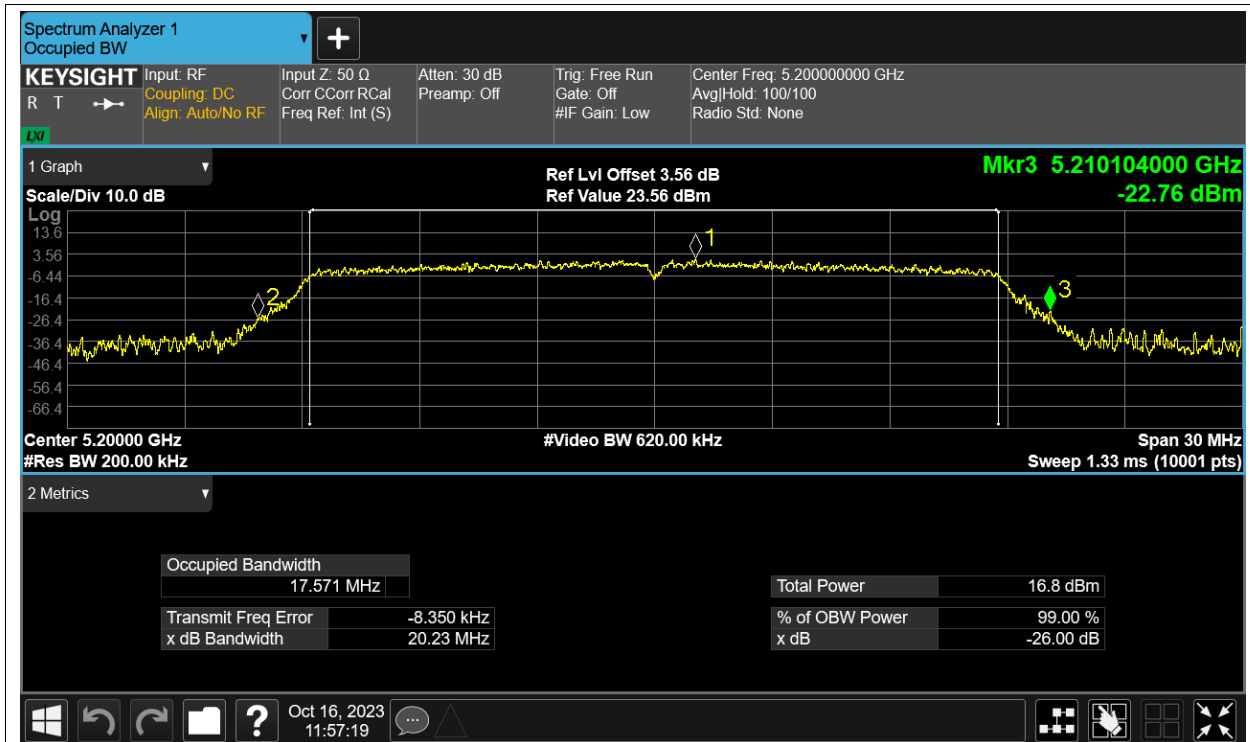
-26dB Bandwidth NVNT a 5240MHz Ant12



-26dB Bandwidth NVNT ac20 5180MHz Ant12



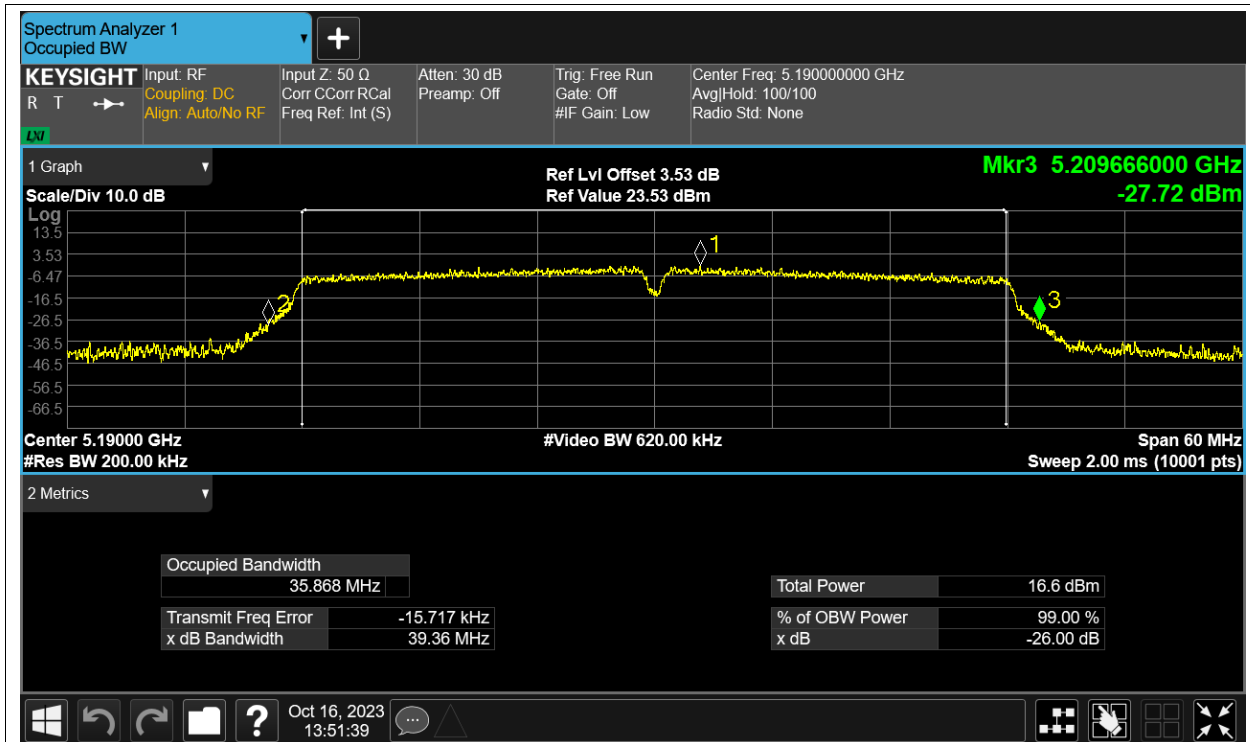
-26dB Bandwidth NVNT ac20 5200MHz Ant12



-26dB Bandwidth NVNT ac20 5240MHz Ant12



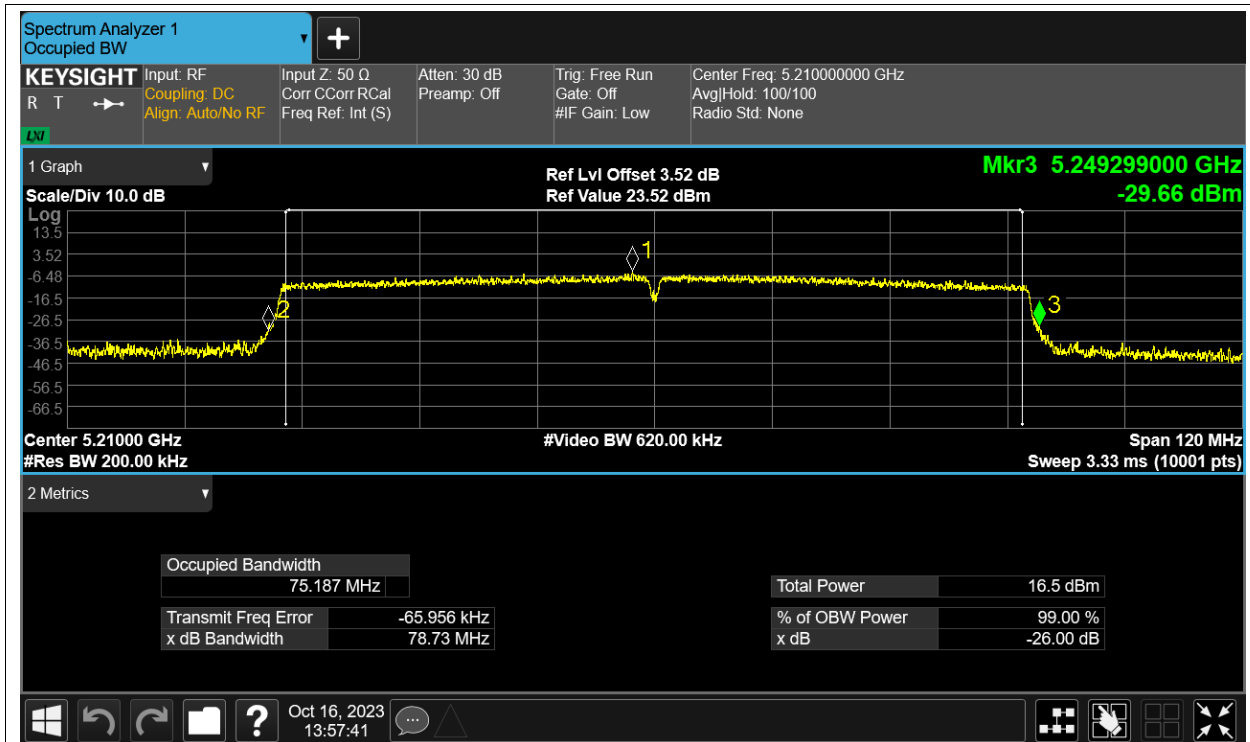
-26dB Bandwidth NVNT ac40 5190MHz Ant12



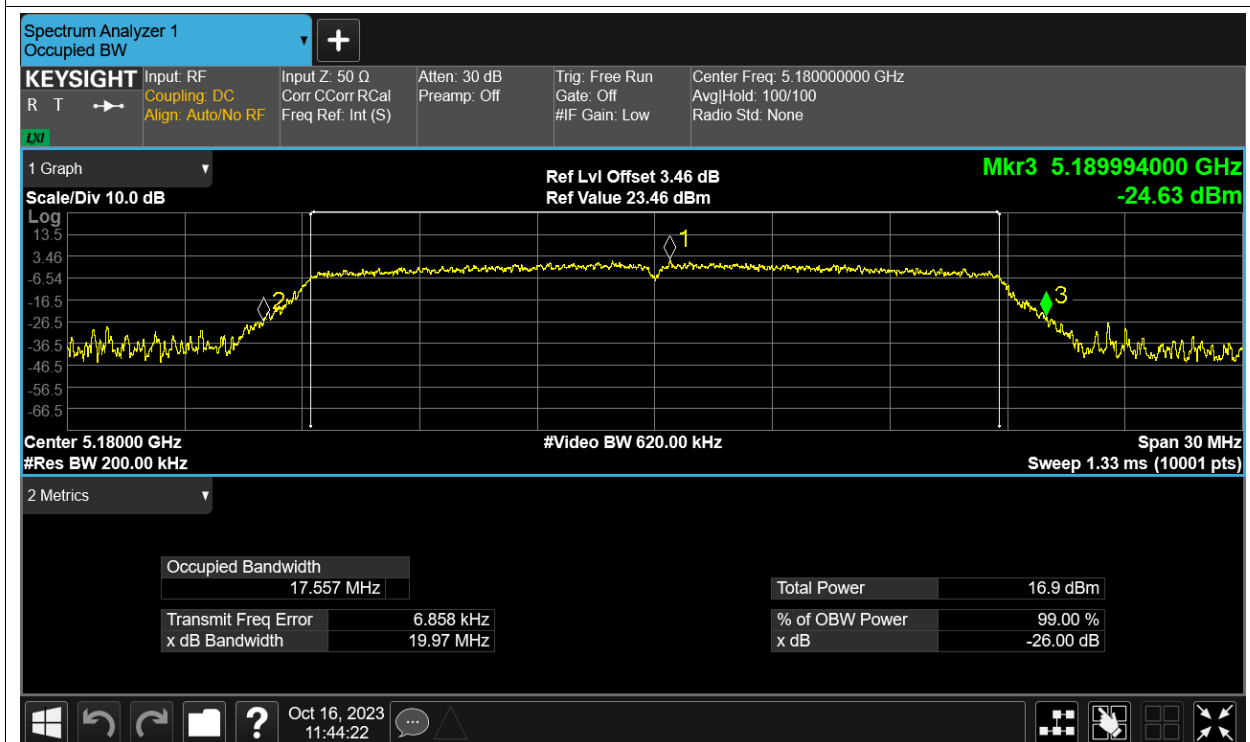
-26dB Bandwidth NVNT ac40 5230MHz Ant12



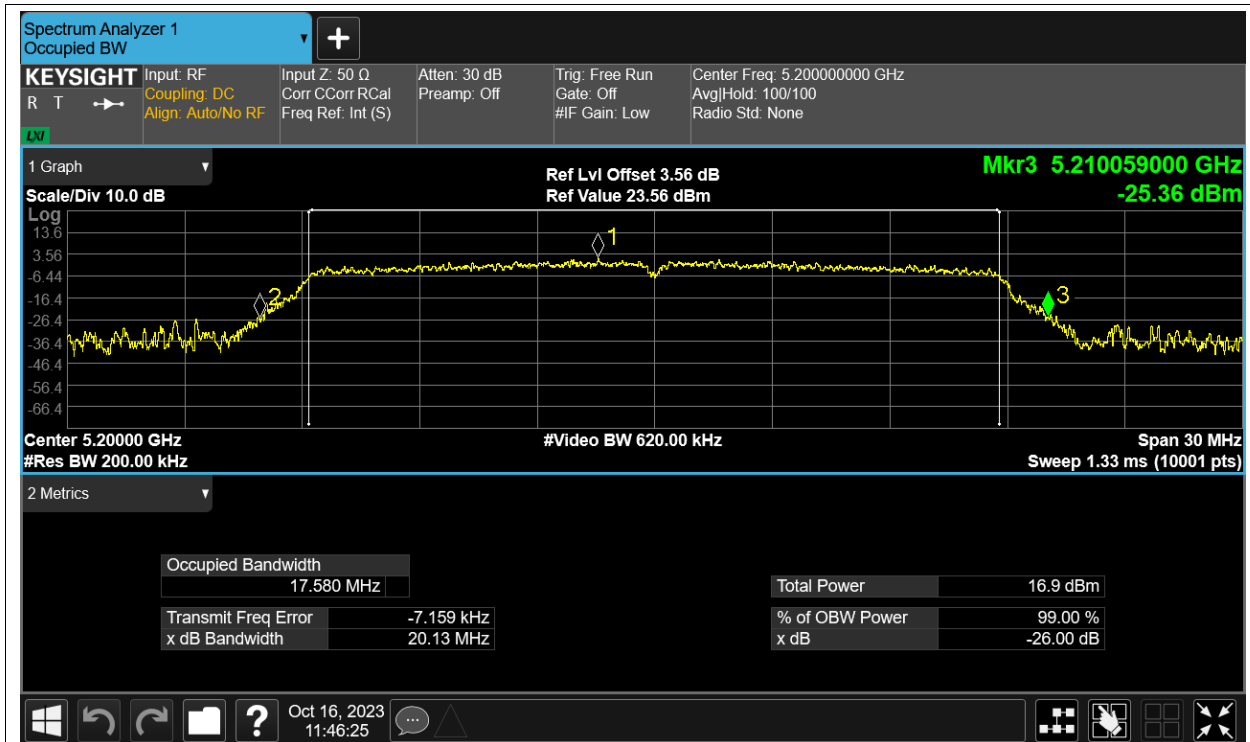
-26dB Bandwidth NVNT ac80 5210MHz Ant12



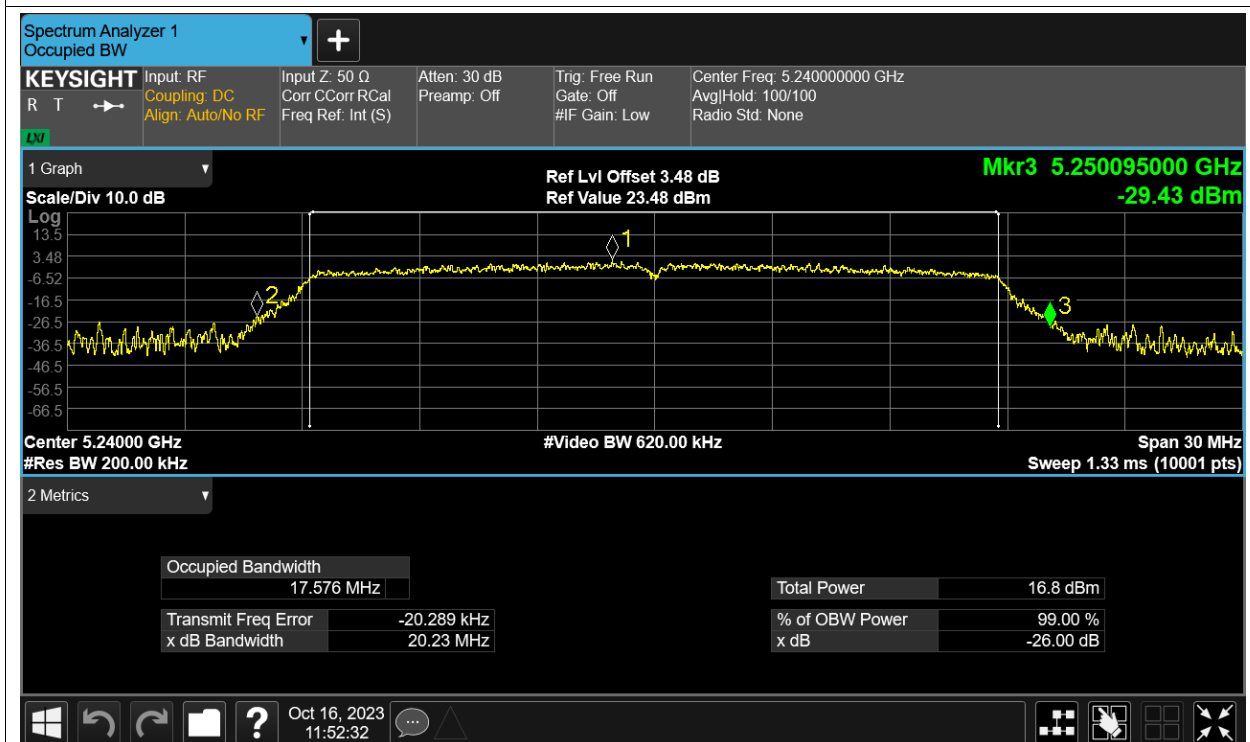
-26dB Bandwidth NVNT n20 5180MHz Ant12



-26dB Bandwidth NVNT n20 5200MHz Ant12



-26dB Bandwidth NVNT n20 5240MHz Ant12



-26dB Bandwidth NVNT n40 5190MHz Ant12



-26dB Bandwidth NVNT n40 5230MHz Ant12

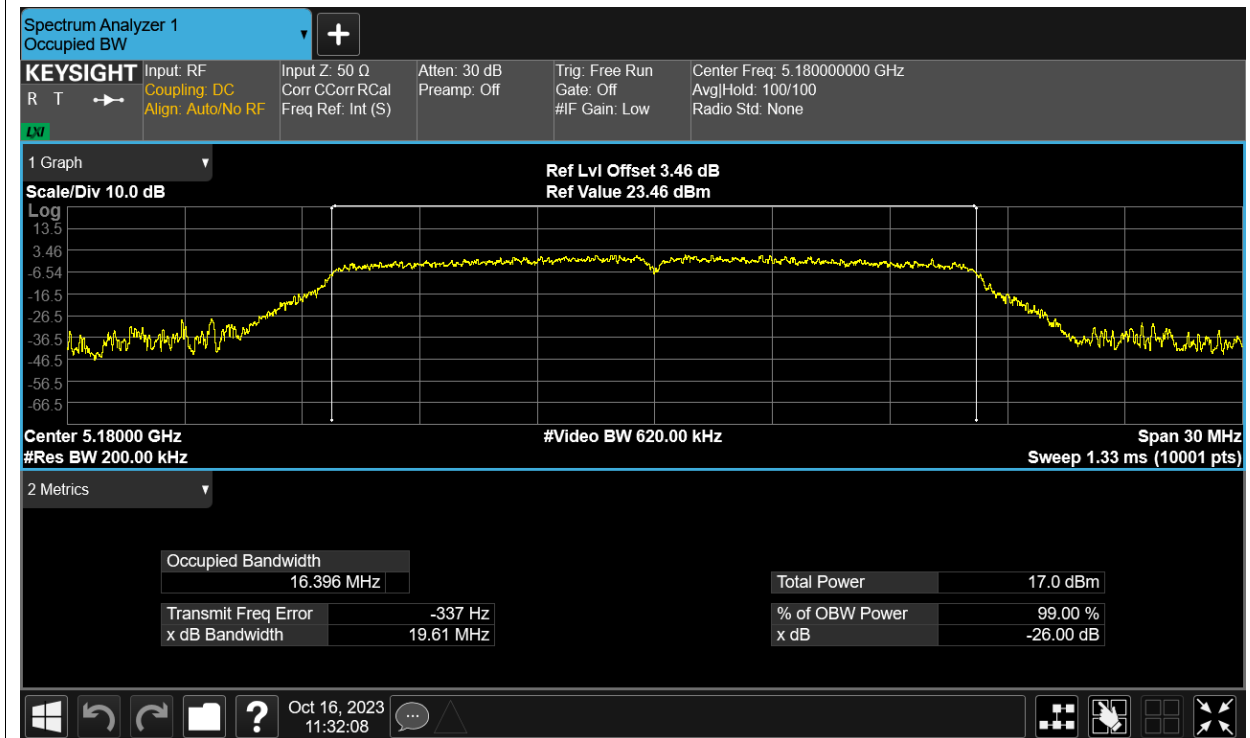


Occupied Channel Bandwidth

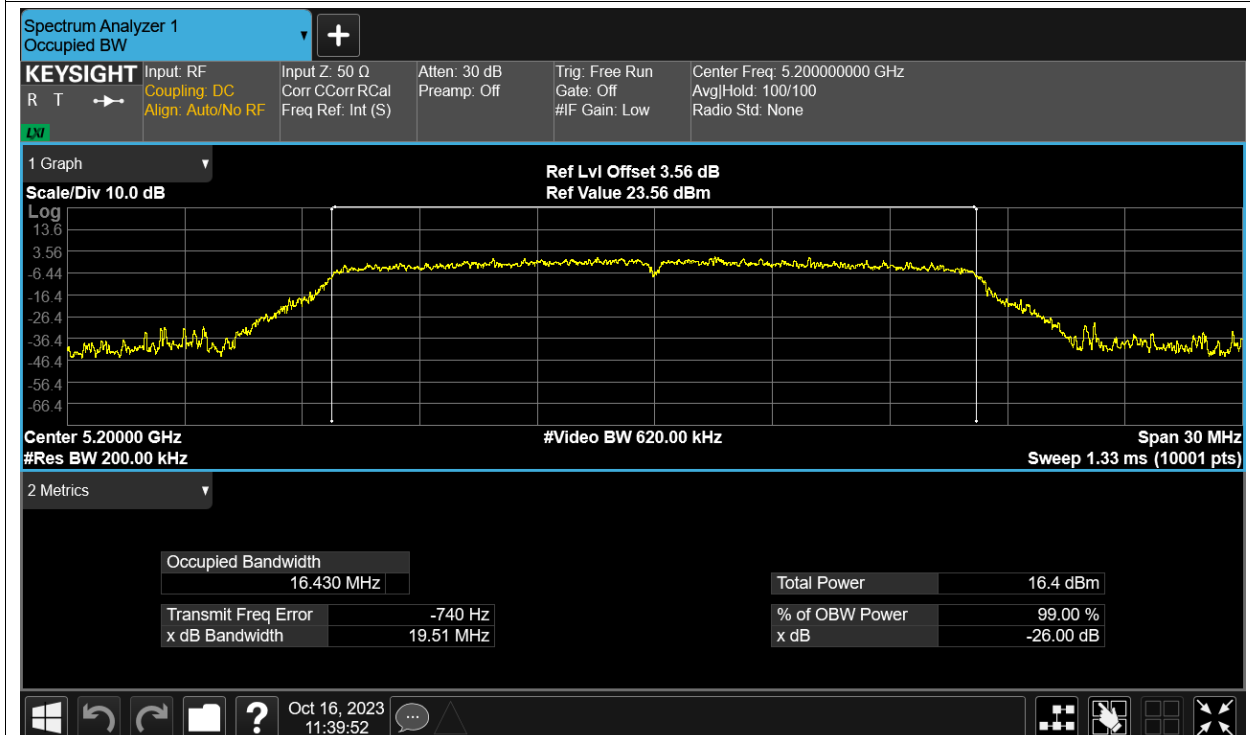
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant12	16.396
NVNT	a	5200	Ant12	16.43
NVNT	a	5240	Ant12	16.44
NVNT	ac20	5180	Ant12	17.546
NVNT	ac20	5200	Ant12	17.567
NVNT	ac20	5240	Ant12	17.571
NVNT	ac40	5190	Ant12	35.918
NVNT	ac40	5230	Ant12	35.922
NVNT	ac80	5210	Ant12	75.14
NVNT	n20	5180	Ant12	17.546
NVNT	n20	5200	Ant12	17.566
NVNT	n20	5240	Ant12	17.582
NVNT	n40	5190	Ant12	35.947
NVNT	n40	5230	Ant12	35.951

Test Graphs

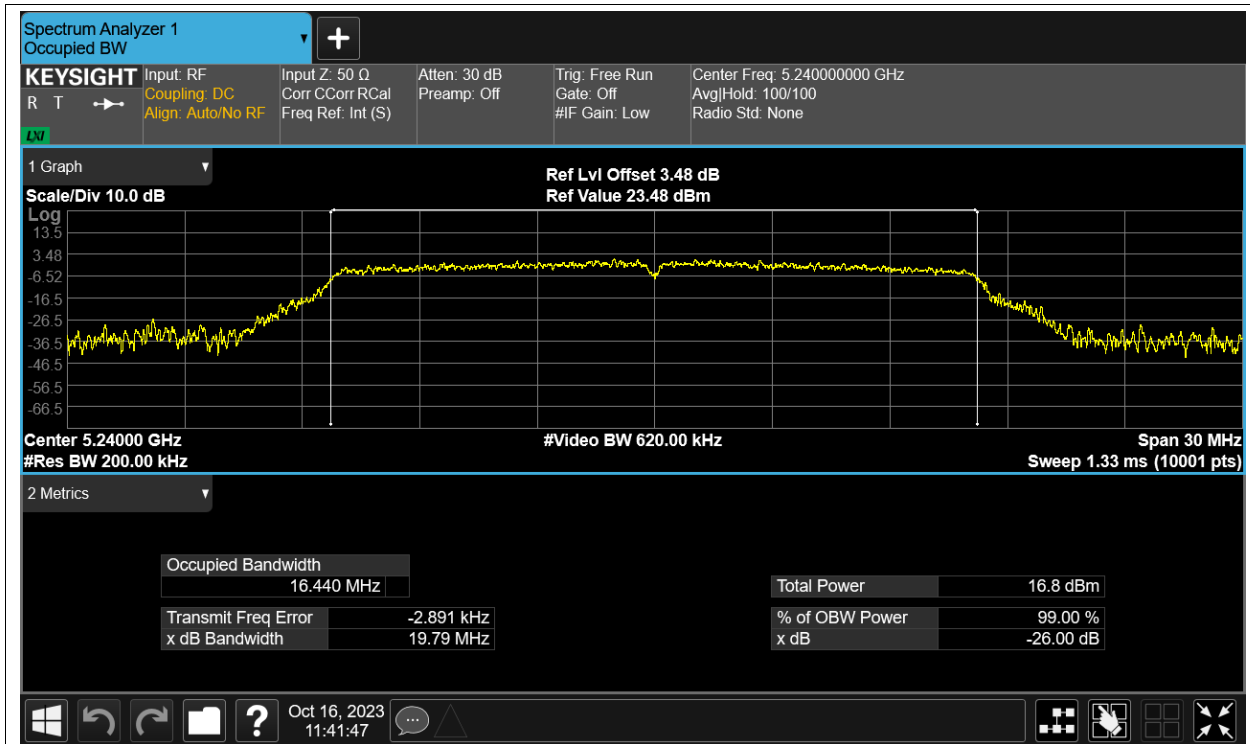
OBW NVNT a 5180MHz Ant12



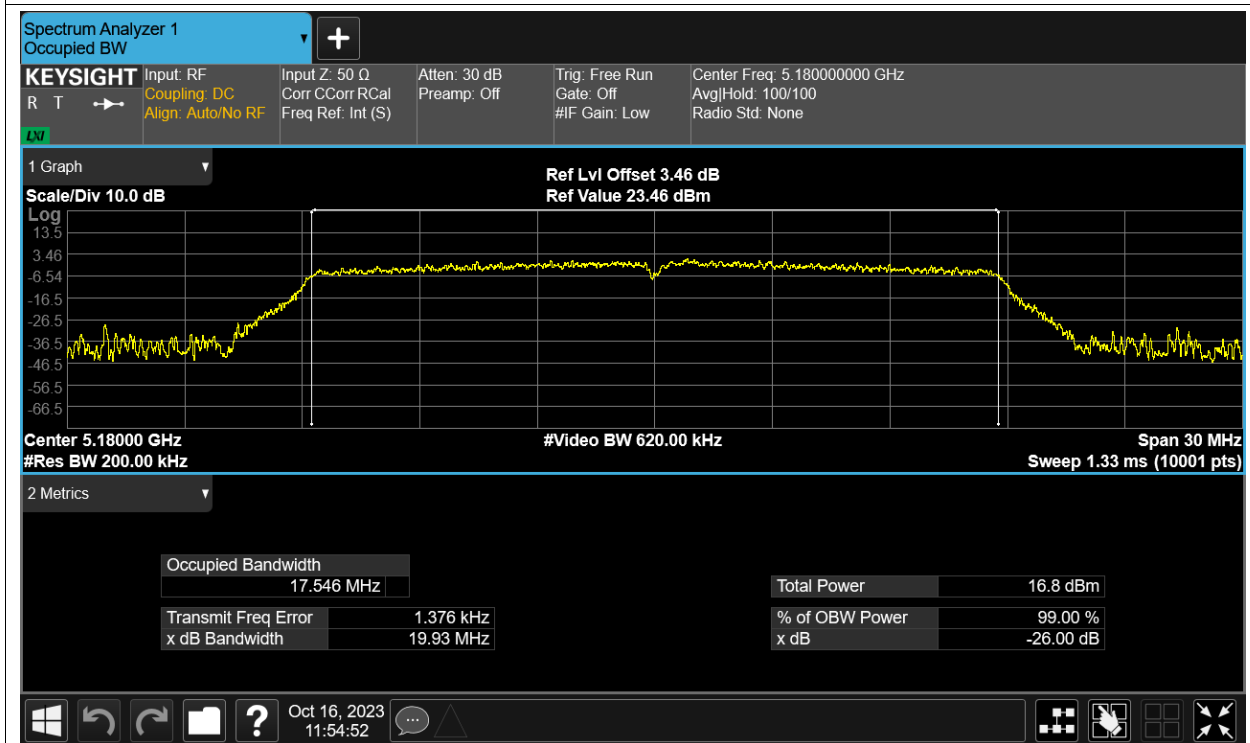
OBW NVNT a 5200MHz Ant12



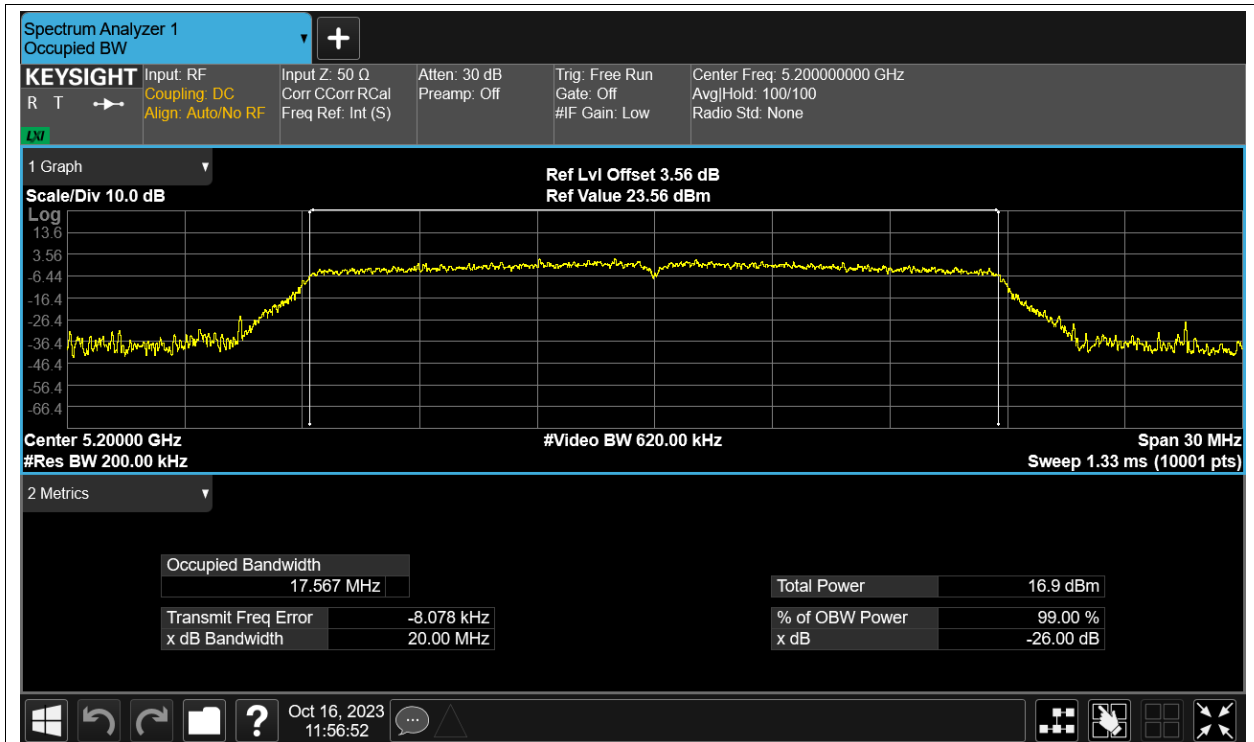
OBW NVNT a 5240MHz Ant12



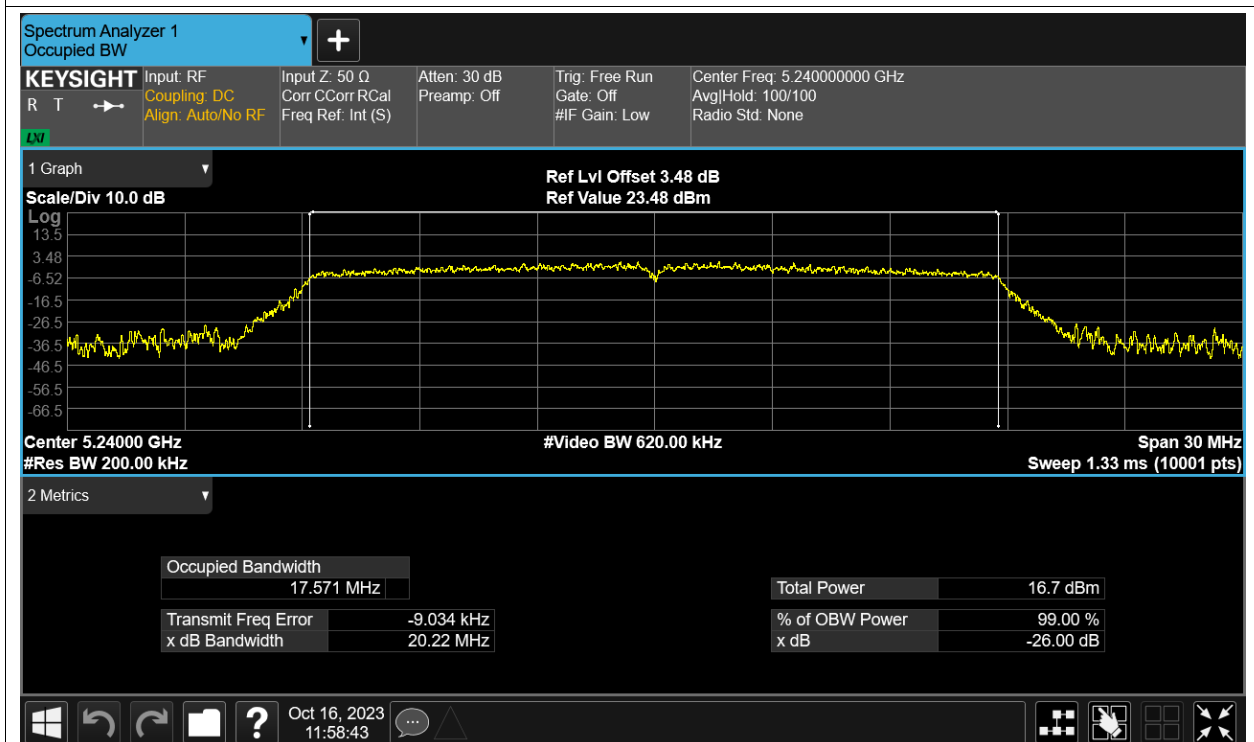
OBW NVNT ac20 5180MHz Ant12



OBW NVNT ac20 5200MHz Ant12



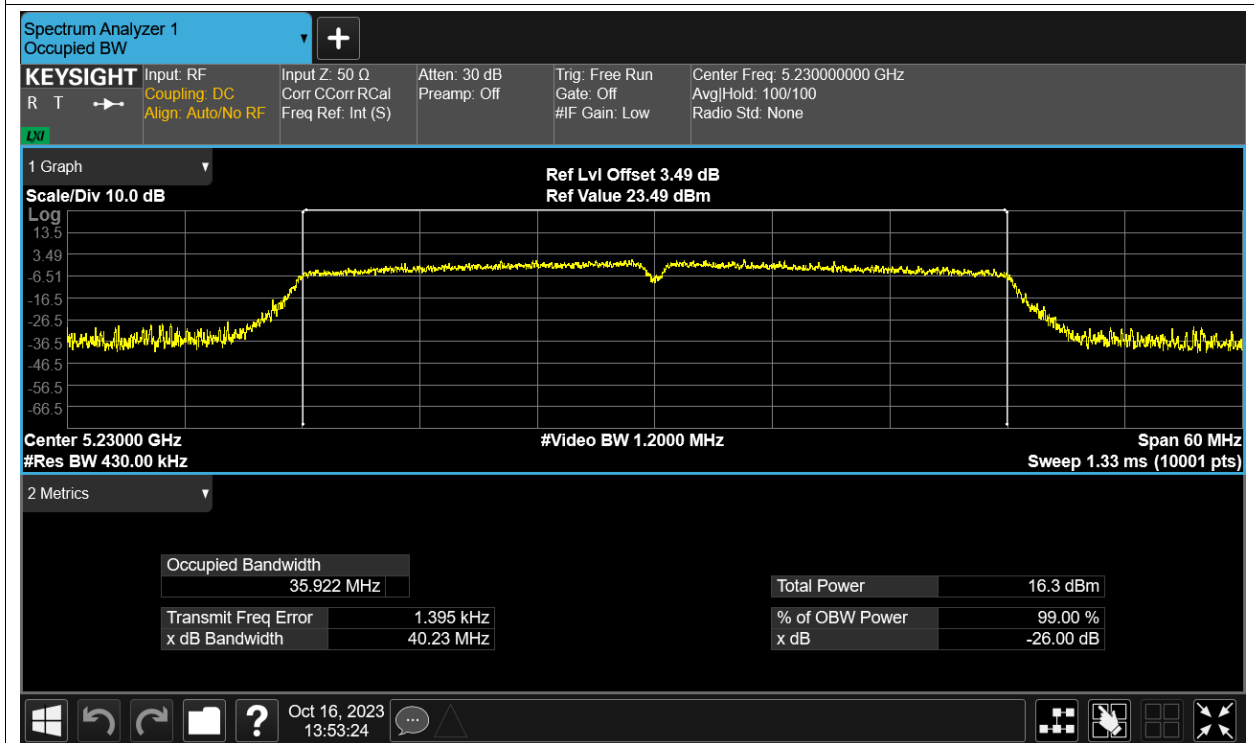
OBW NVNT ac20 5240MHz Ant12



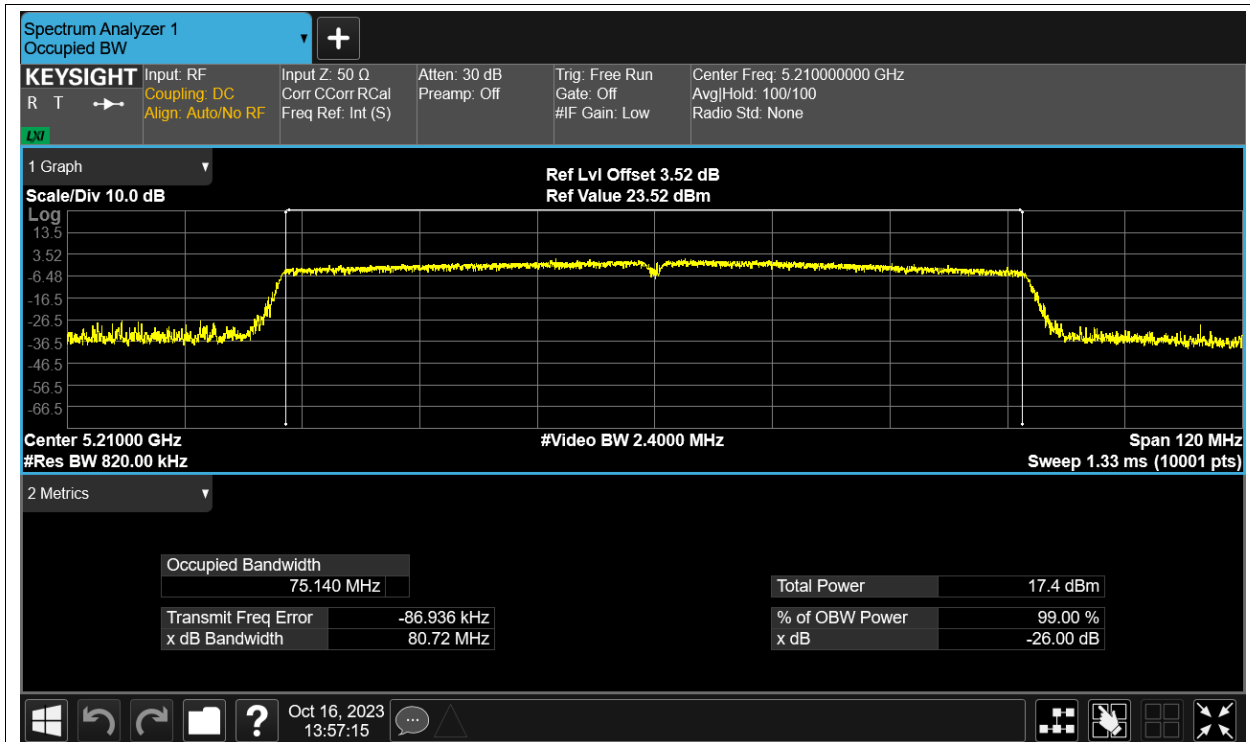
OBW NVNT ac40 5190MHz Ant12



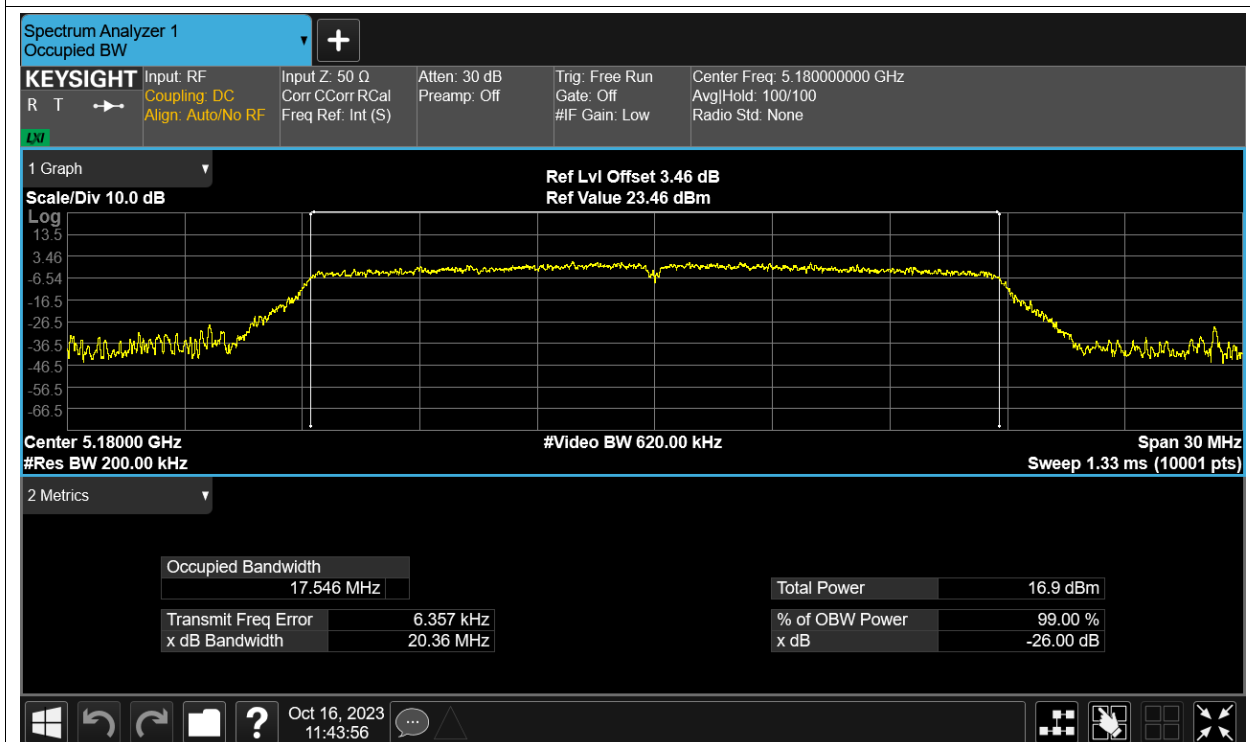
OBW NVNT ac40 5230MHz Ant12



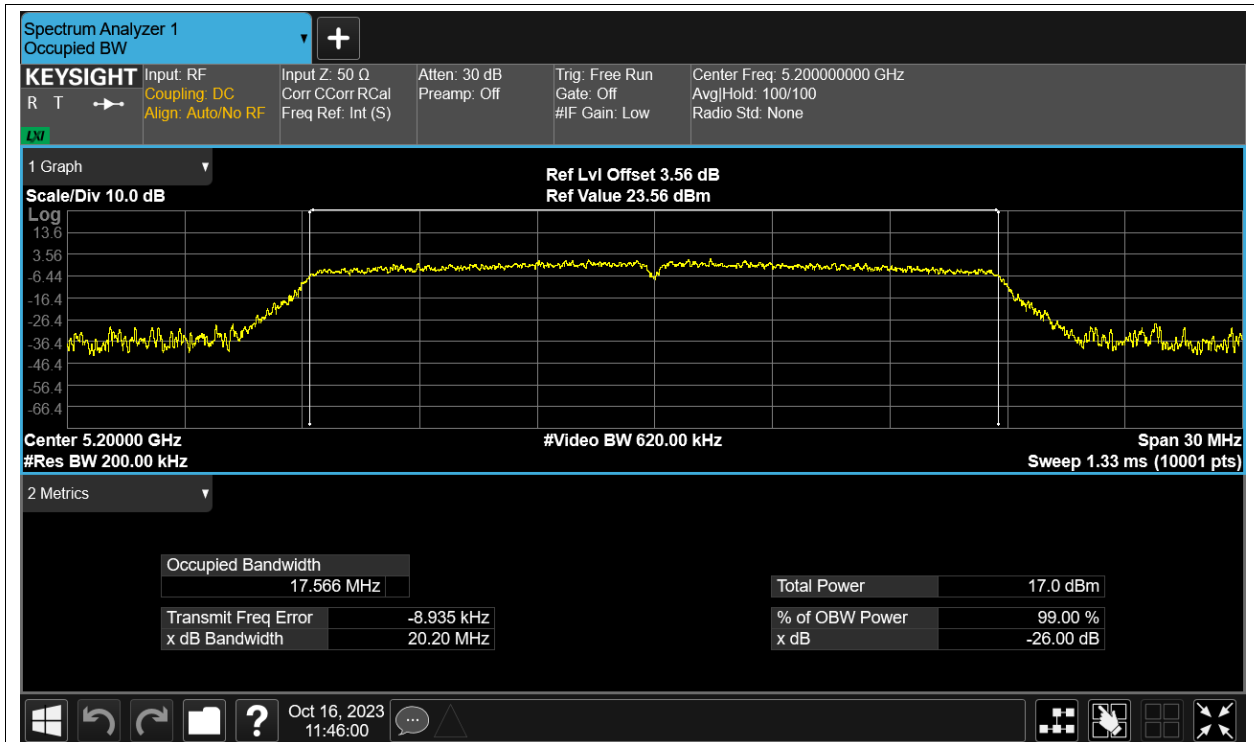
OBW NVNT ac80 5210MHz Ant12



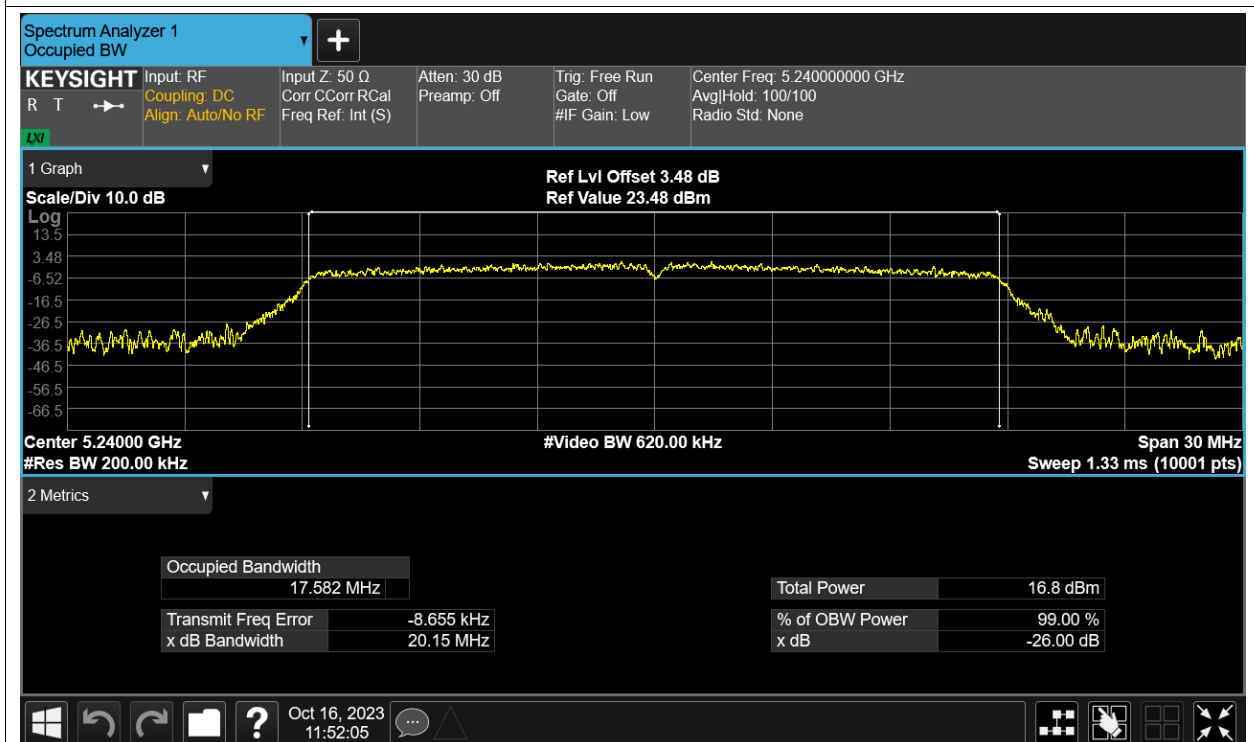
OBW NVNT n20 5180MHz Ant12



OBW NVNT n20 5200MHz Ant12



OBW NVNT n20 5240MHz Ant12



OBW NVNT n40 5190MHz Ant12



OBW NVNT n40 5230MHz Ant12

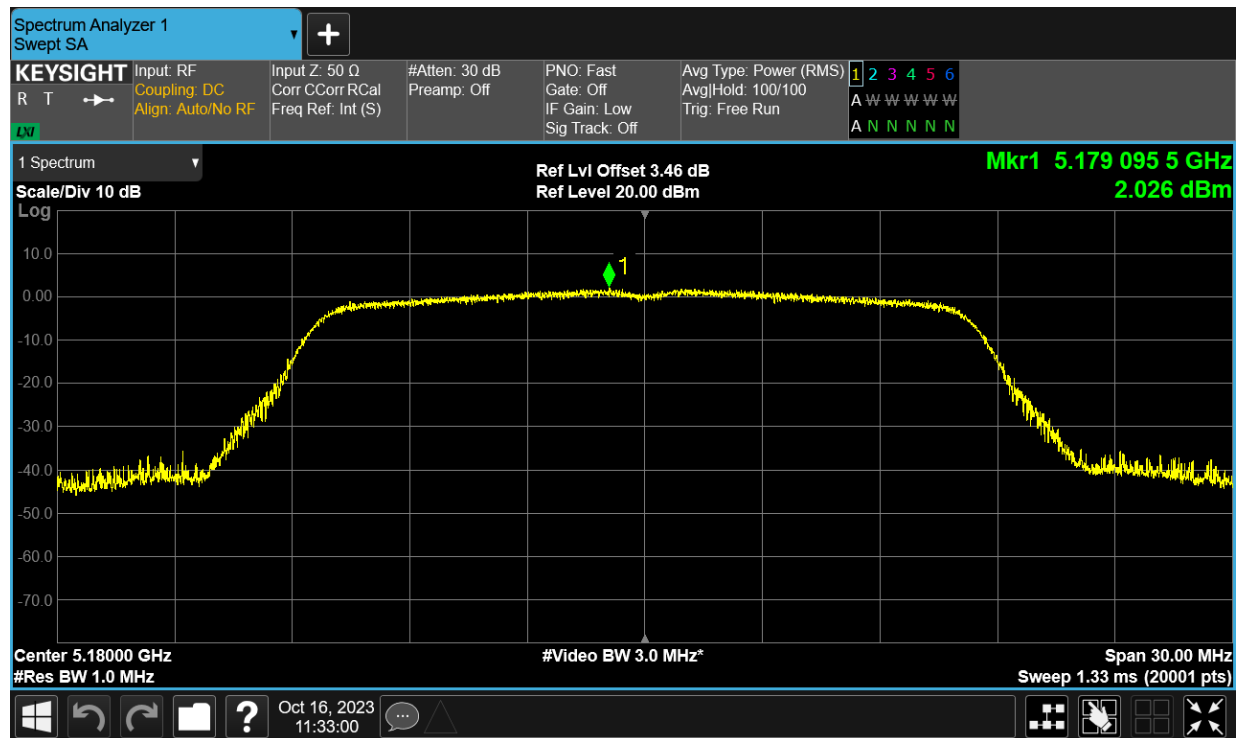


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant12	2.026	11	Pass
NVNT	a	5200	Ant12	1.498	11	Pass
NVNT	a	5240	Ant12	1.738	11	Pass
NVNT	ac20	5180	Ant12	1.675	11	Pass
NVNT	ac20	5200	Ant12	1.697	11	Pass
NVNT	ac20	5240	Ant12	1.542	11	Pass
NVNT	ac40	5190	Ant12	-2.065	11	Pass
NVNT	ac40	5230	Ant12	-1.044	11	Pass
NVNT	ac80	5210	Ant12	-4.85	11	Pass
NVNT	n20	5180	Ant12	1.808	11	Pass
NVNT	n20	5200	Ant12	1.667	11	Pass
NVNT	n20	5240	Ant12	1.642	11	Pass
NVNT	n40	5190	Ant12	-1.886	11	Pass
NVNT	n40	5230	Ant12	-1.407	11	Pass

Test Graphs

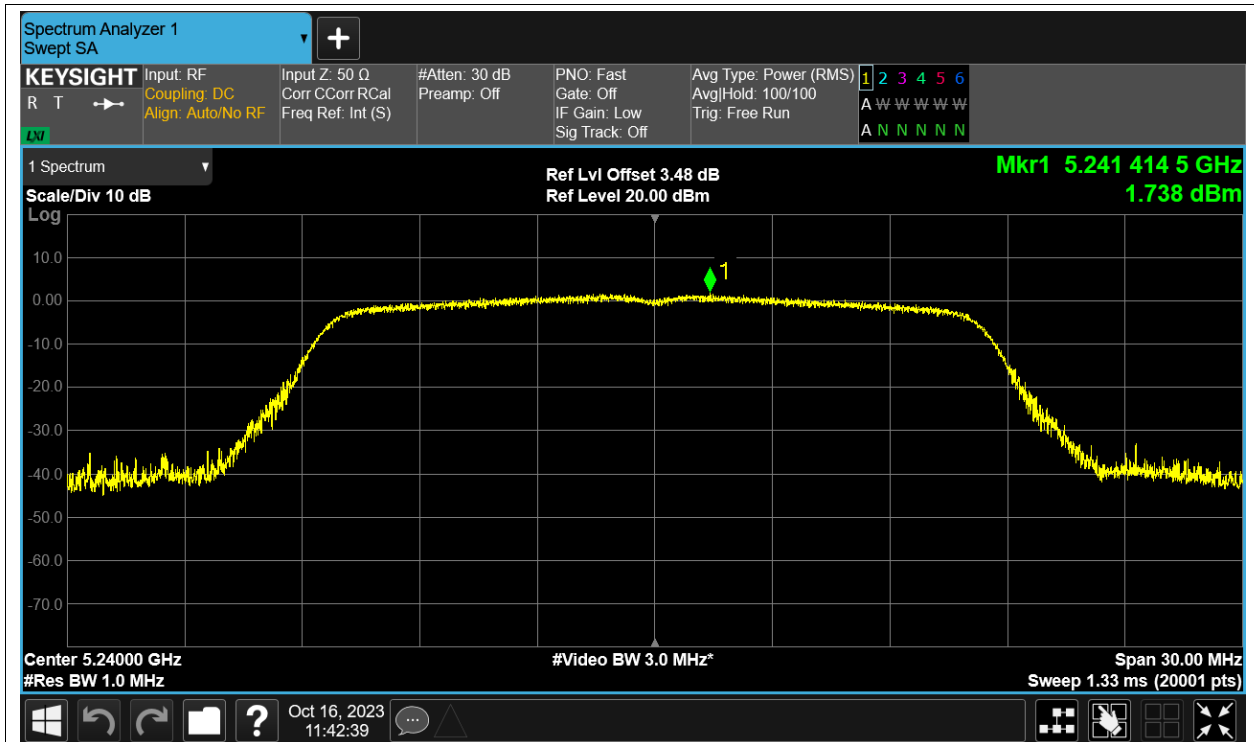
PSD NVNT a 5180MHz Ant12



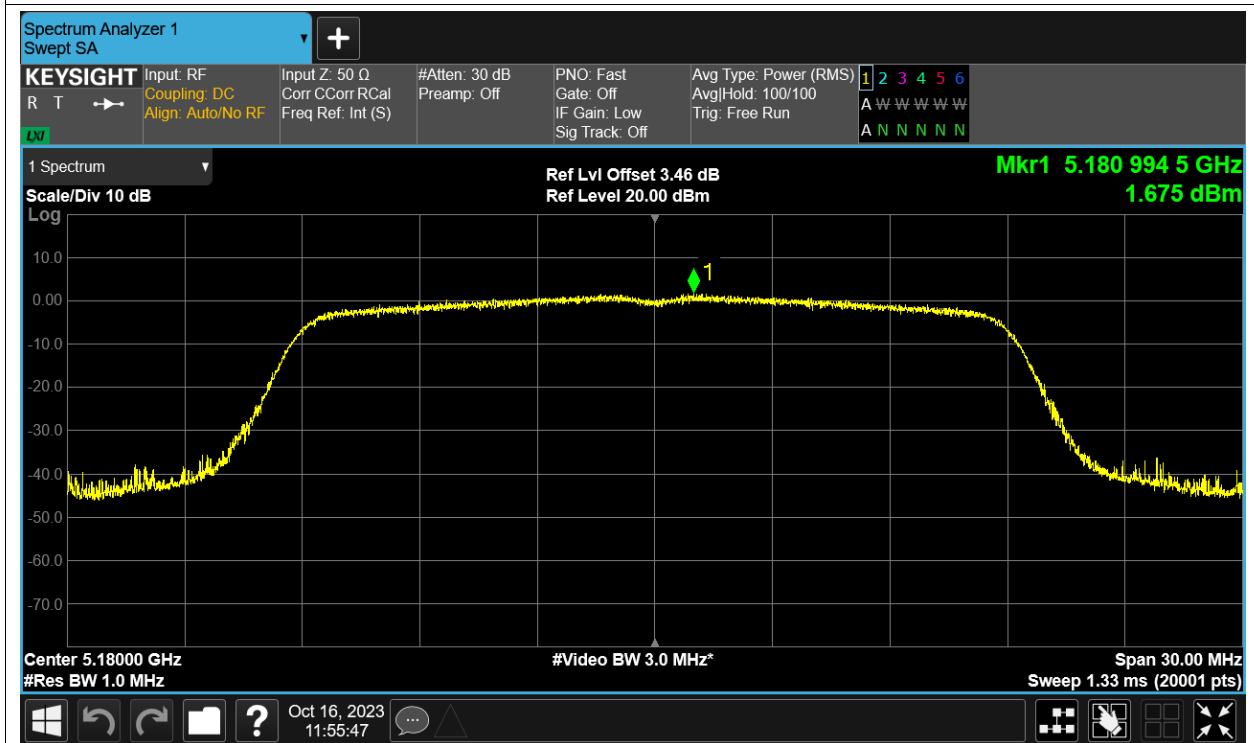
PSD NVNT a 5200MHz Ant12



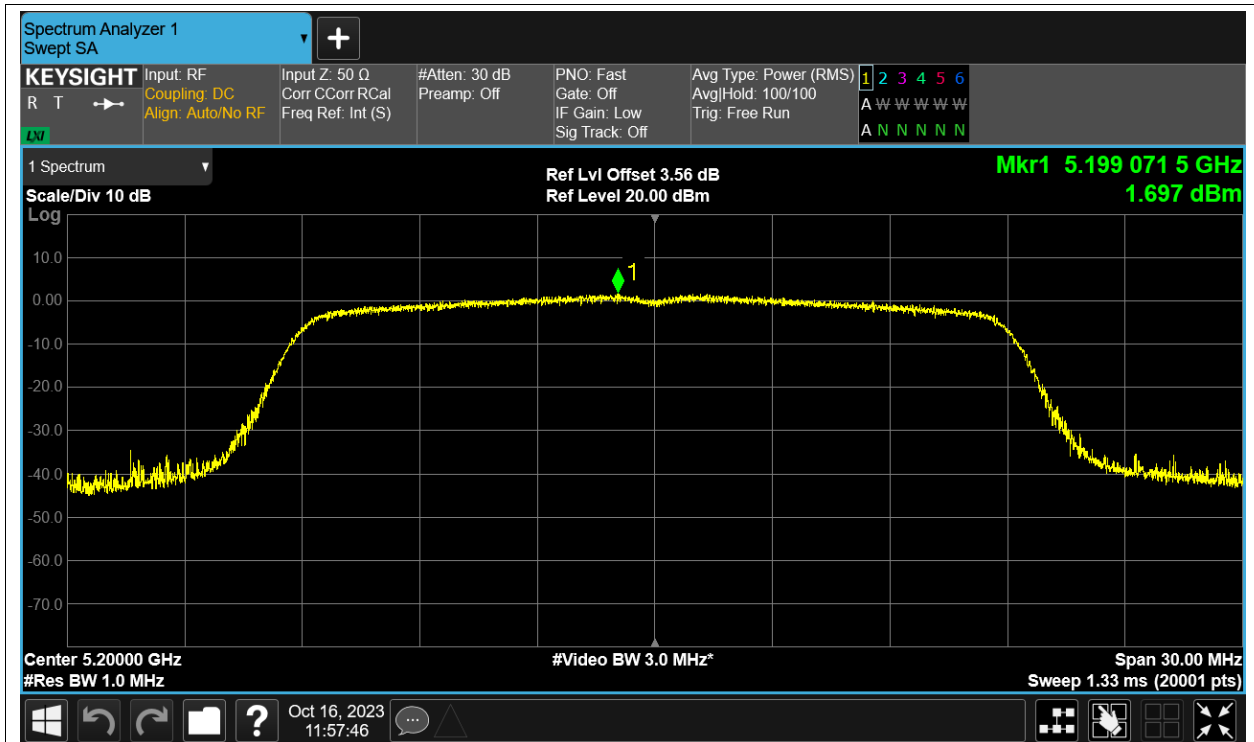
PSD NVNT a 5240MHz Ant12



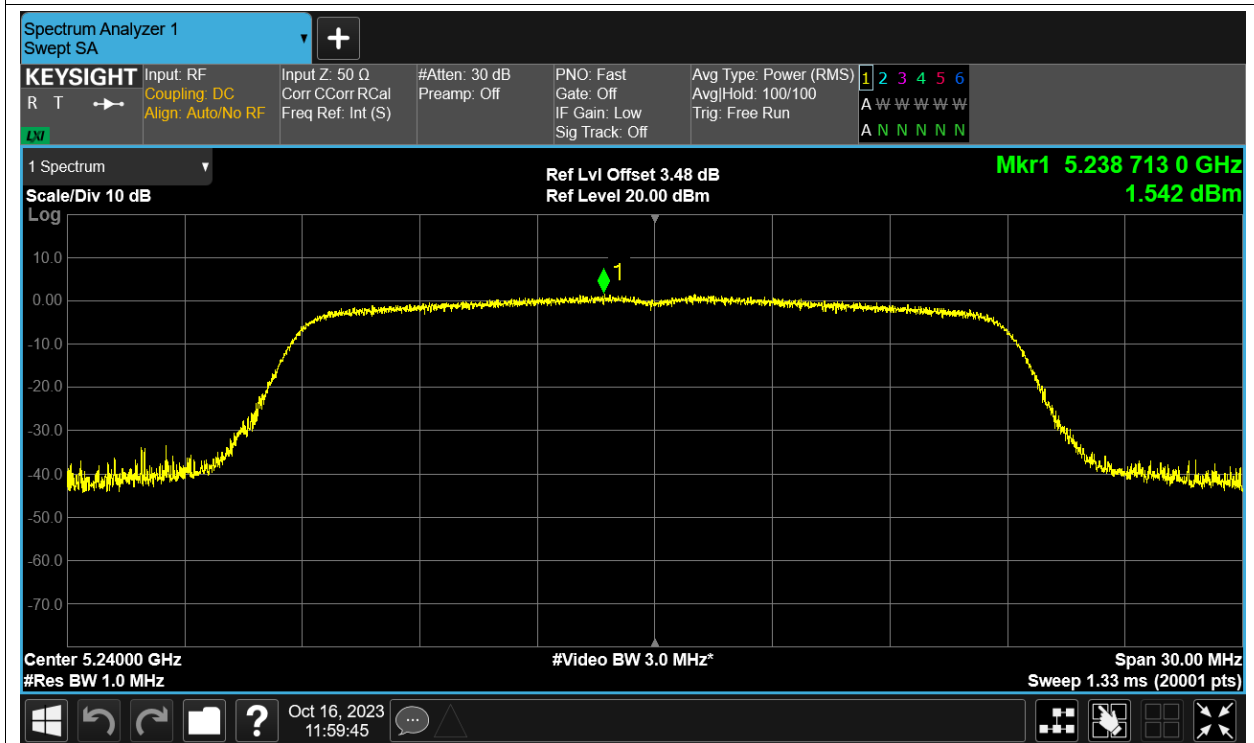
PSD NVNT ac20 5180MHz Ant12



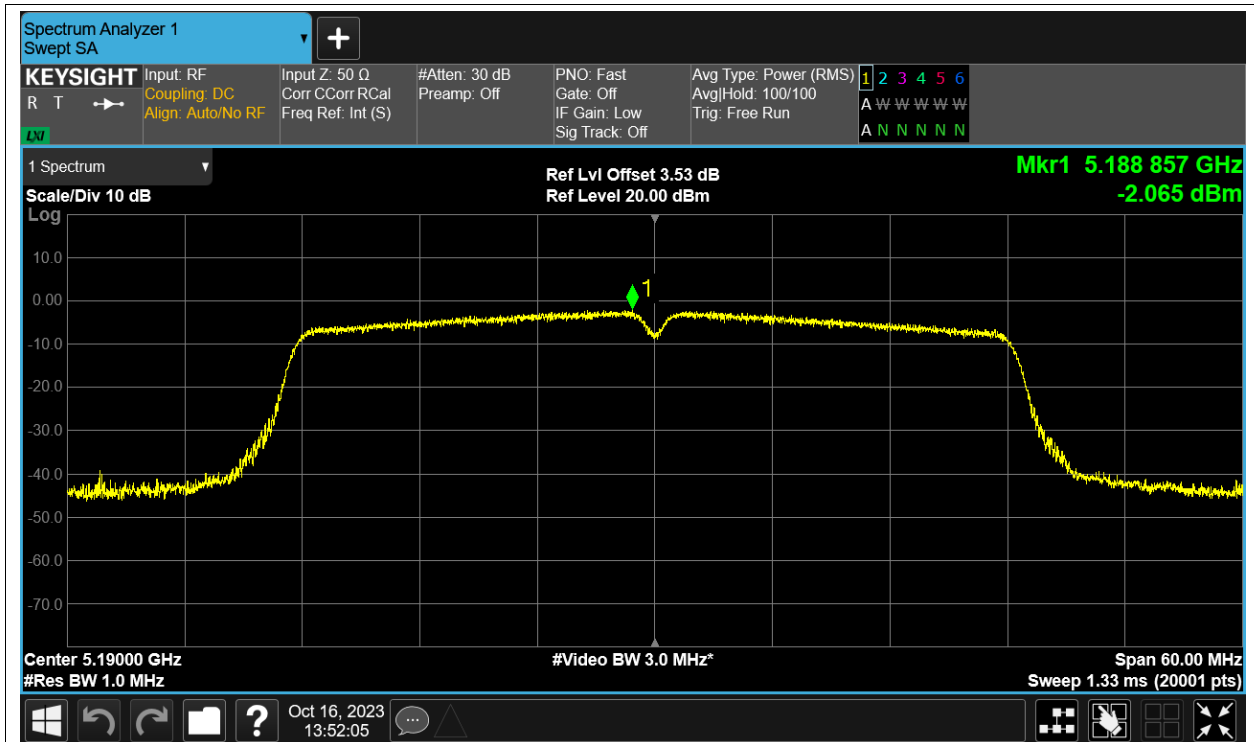
PSD NVNT ac20 5200MHz Ant12



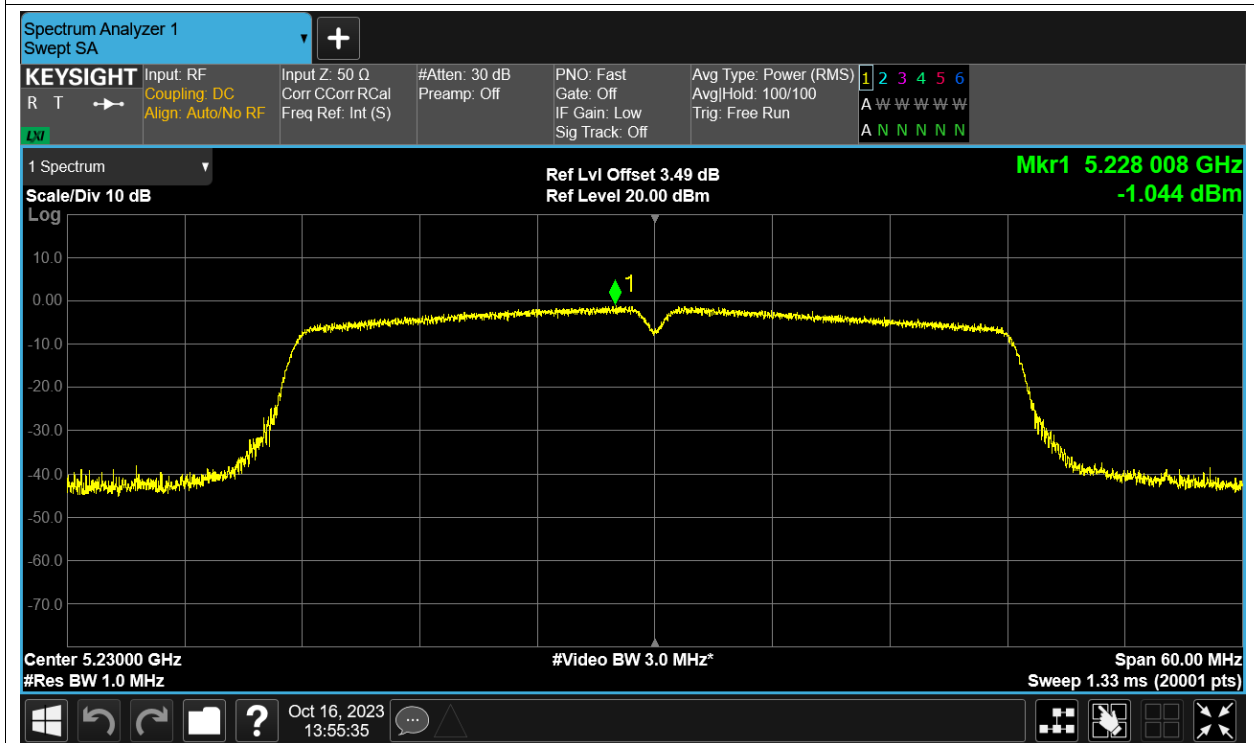
PSD NVNT ac20 5240MHz Ant12



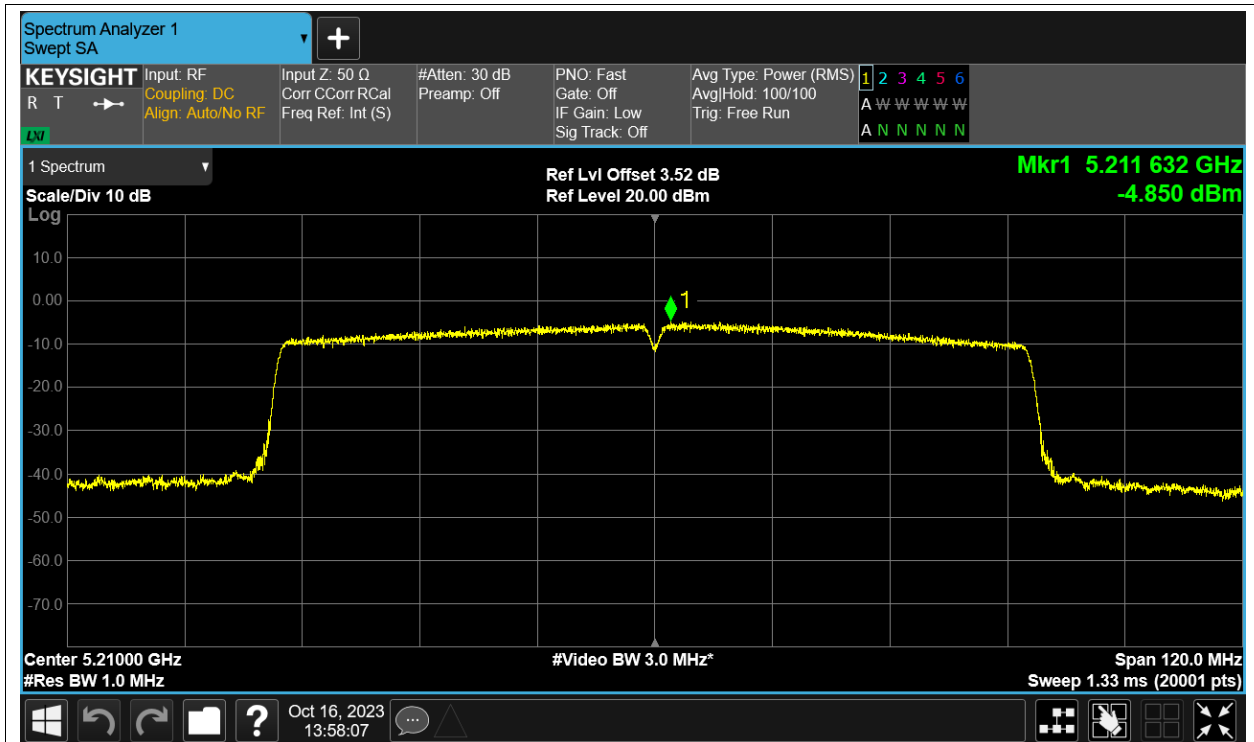
PSD NVNT ac40 5190MHz Ant12



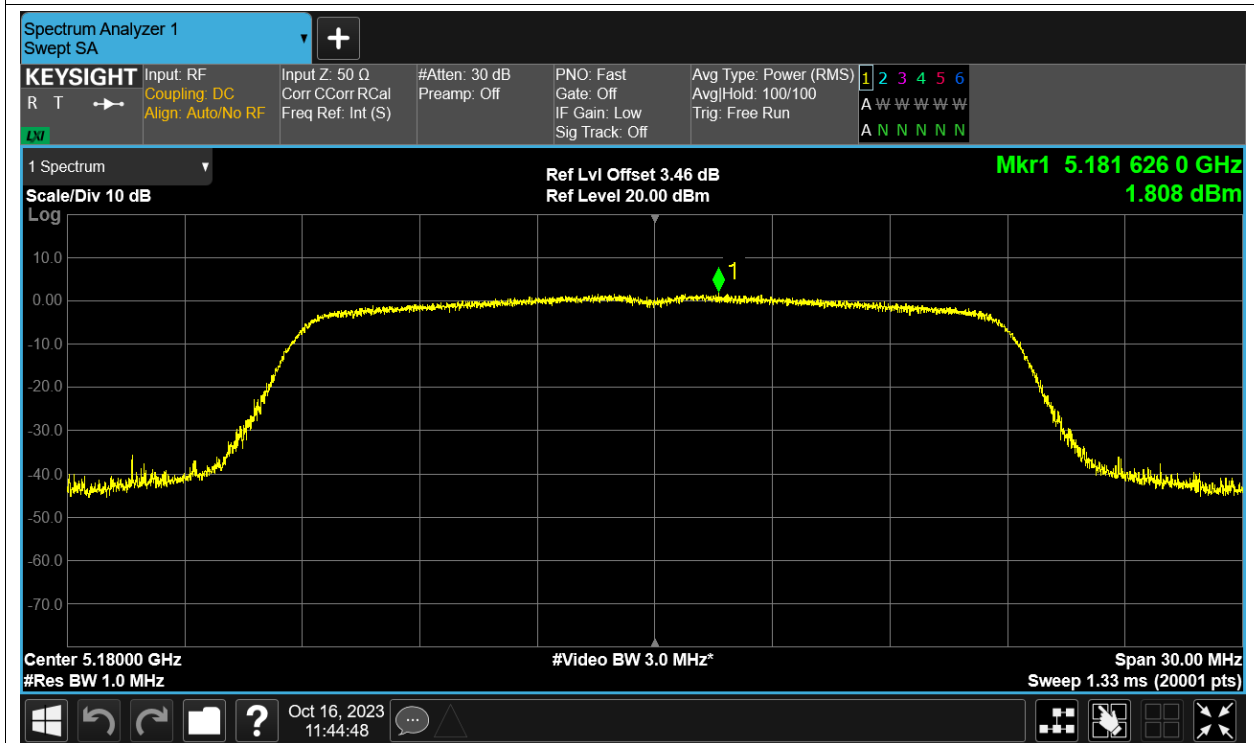
PSD NVNT ac40 5230MHz Ant12



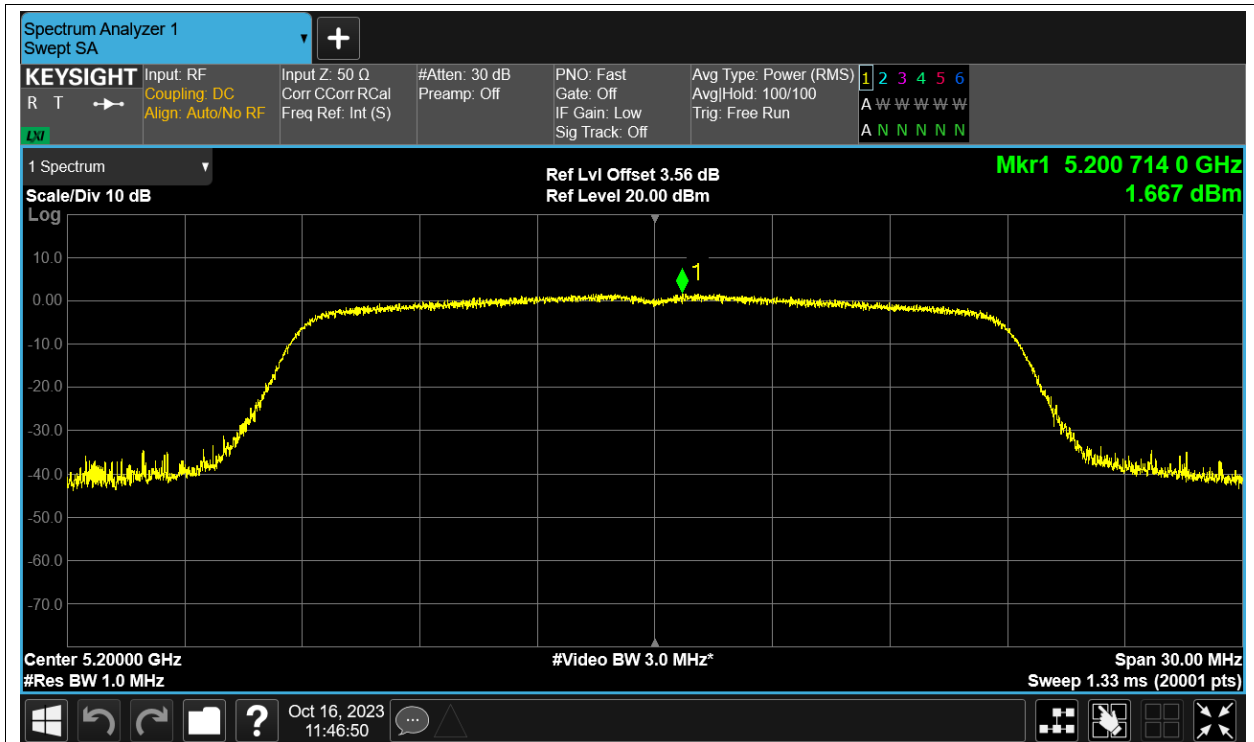
PSD NVNT ac80 5210MHz Ant12



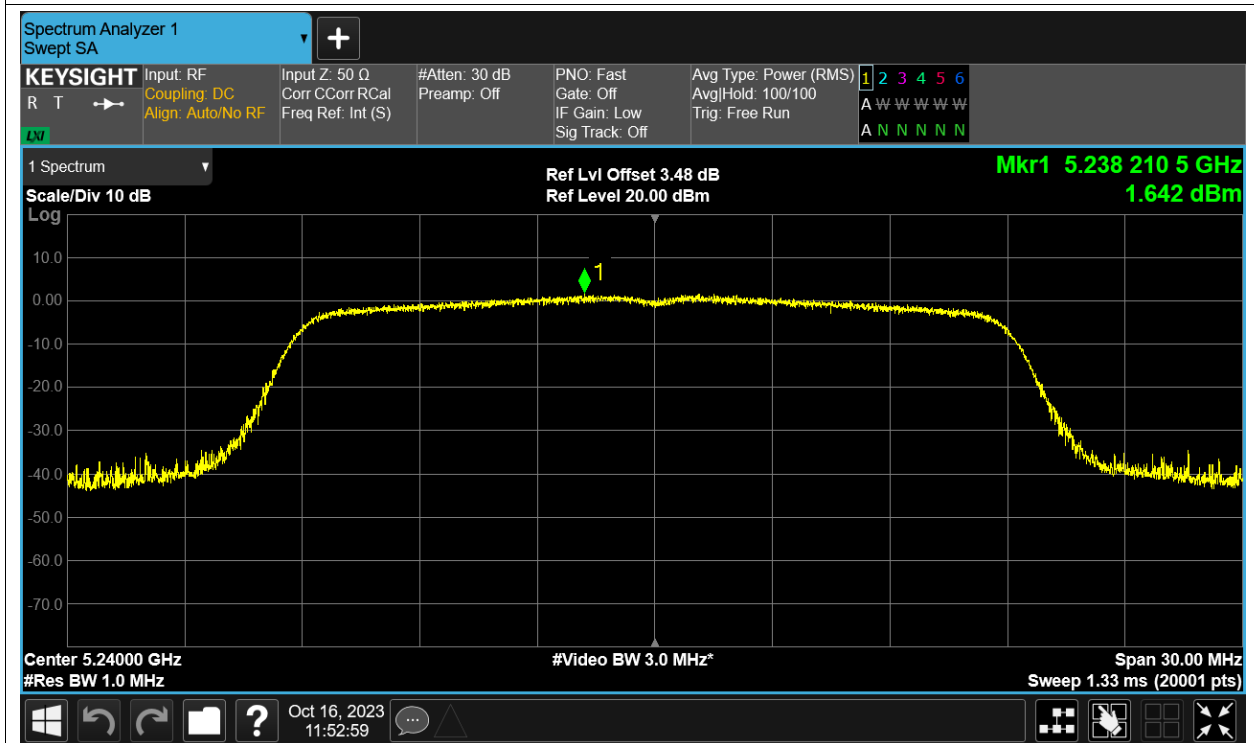
PSD NVNT n20 5180MHz Ant12



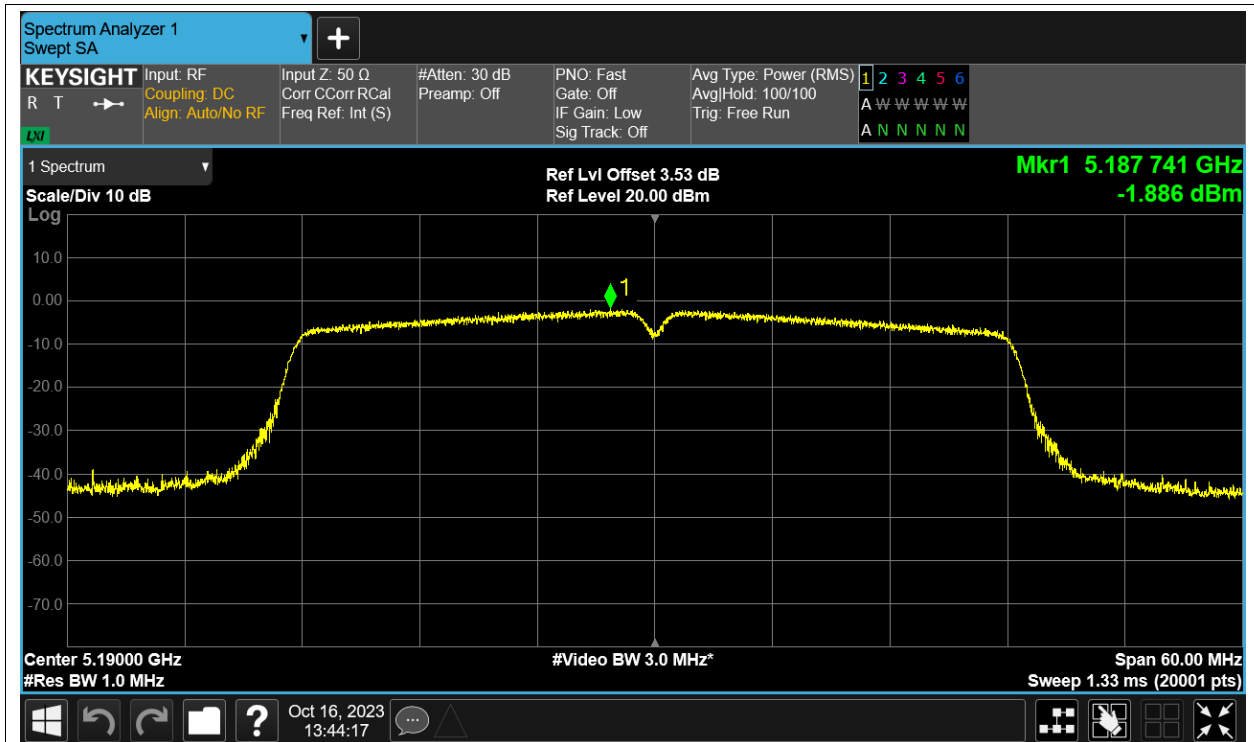
PSD NVNT n20 5200MHz Ant12



PSD NVNT n20 5240MHz Ant12



PSD NVNT n40 5190MHz Ant12



PSD NVNT n40 5230MHz Ant12

