

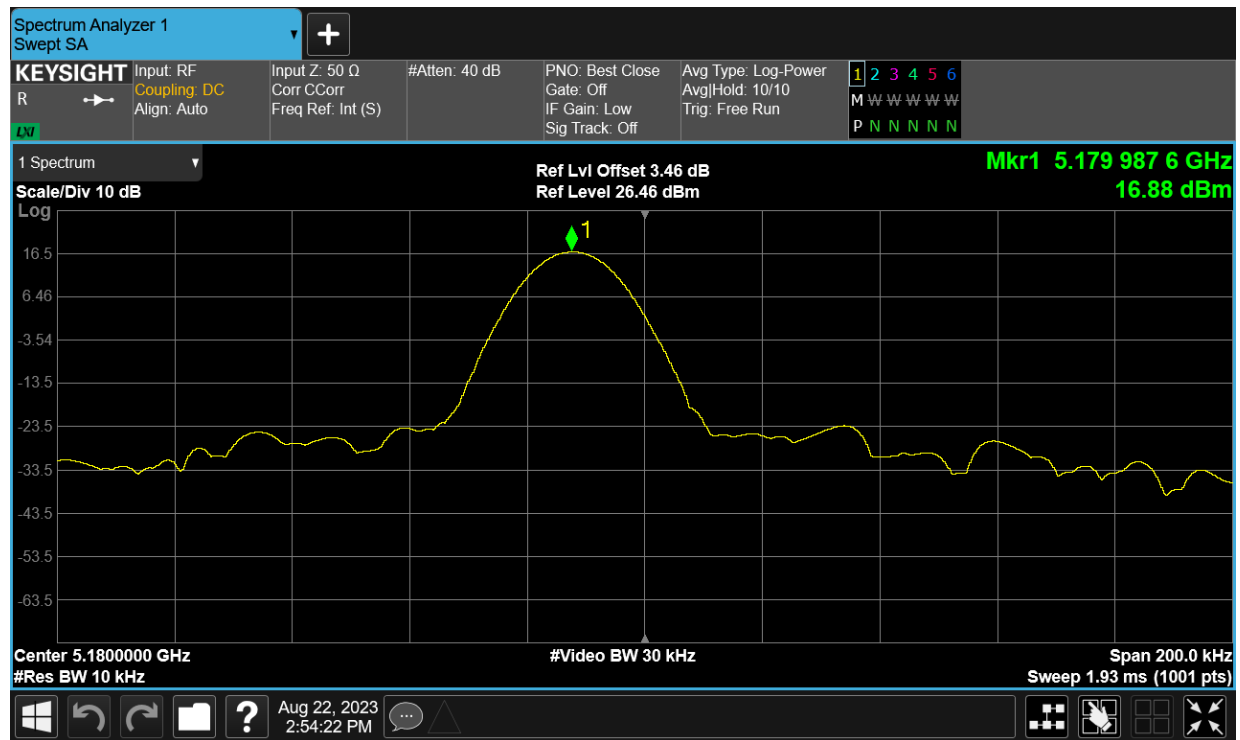
Test Data

Frequency Stability

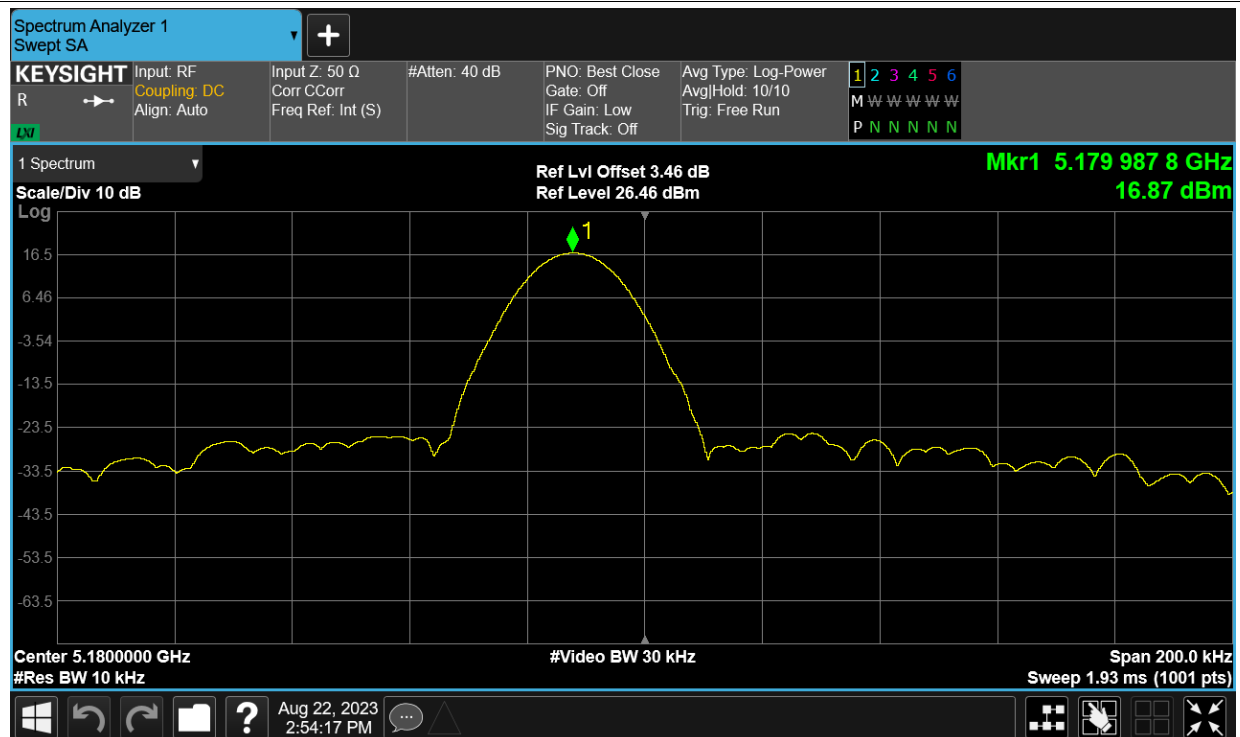
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant12	5179.9876	-2.39	Within authorized band	Pass
LVNT	a	5180	Ant12	5179.9878	-2.36		Pass
NVHT	a	5180	Ant12	5179.9878	-2.36		Pass
NVLT	a	5180	Ant12	5179.988	-2.32		Pass
NVNT	a	5180	Ant12	5179.9884	-2.24		Pass
HVNT	ac80	5210	Ant12	5209.9862	-2.65		Pass
LVNT	ac80	5210	Ant12	5209.9864	-2.61		Pass
NVHT	ac80	5210	Ant12	5209.9866	-2.57		Pass
NVLT	ac80	5210	Ant12	5209.9868	-2.53		Pass
NVNT	ac80	5210	Ant12	5209.986939182	-2.51		Pass
HVNT	n40	5190	Ant12	5189.985	-2.89		Pass
LVNT	n40	5190	Ant12	5189.985	-2.89		Pass
NVHT	n40	5190	Ant12	5189.9852	-2.85		Pass
NVLT	n40	5190	Ant12	5189.9854	-2.81		Pass
NVNT	n40	5190	Ant12	5189.9856	-2.77		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

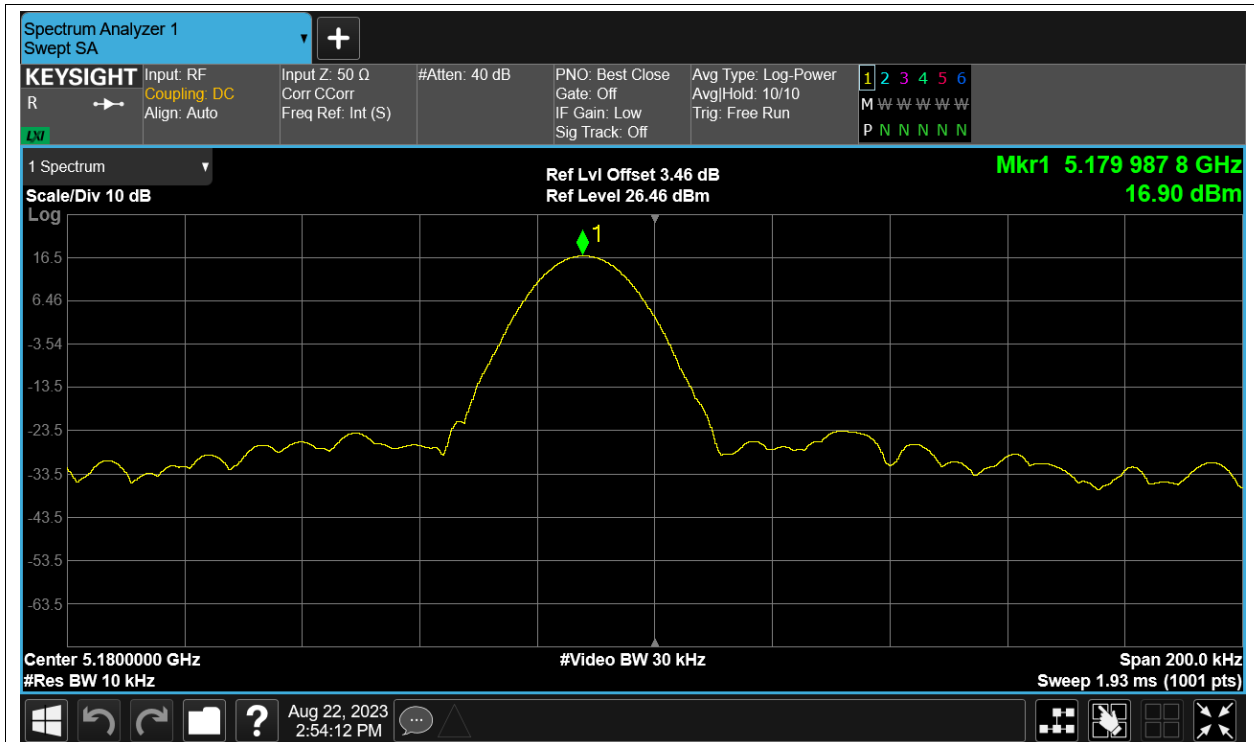
Freq. Stability HVNT a 5180MHz Ant12



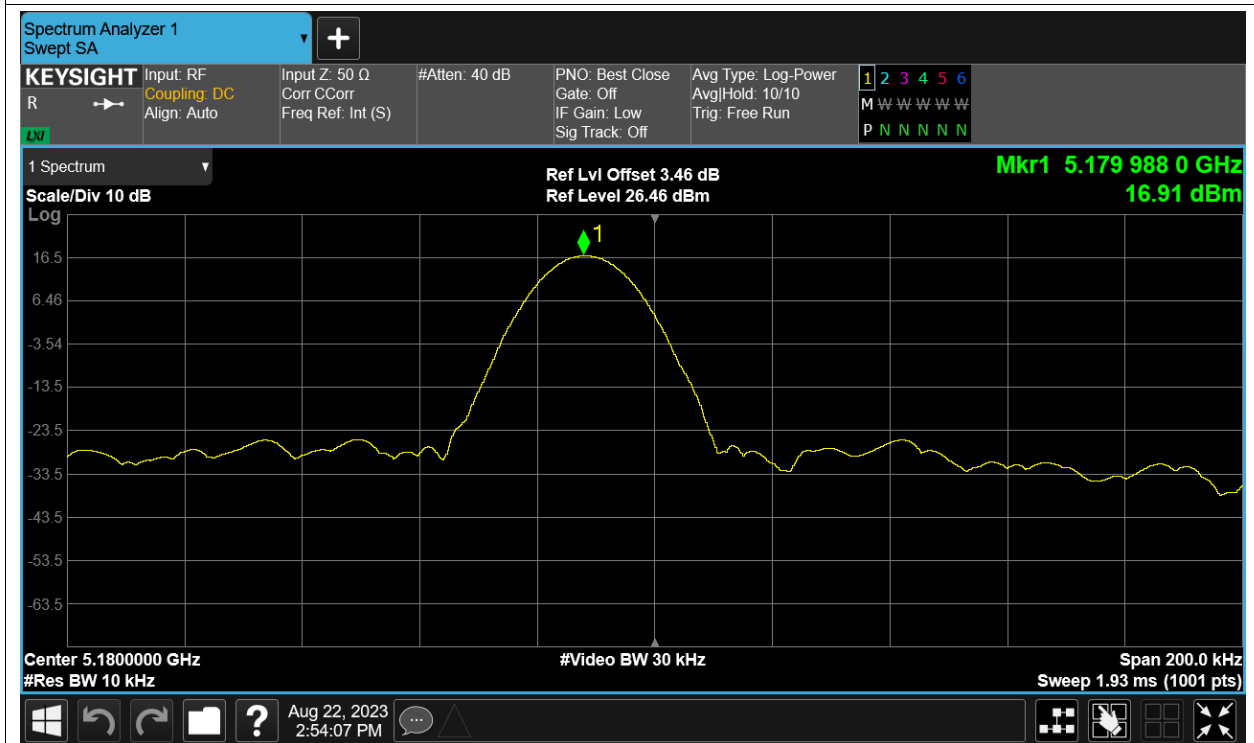
Freq. Stability LVNT a 5180MHz Ant12



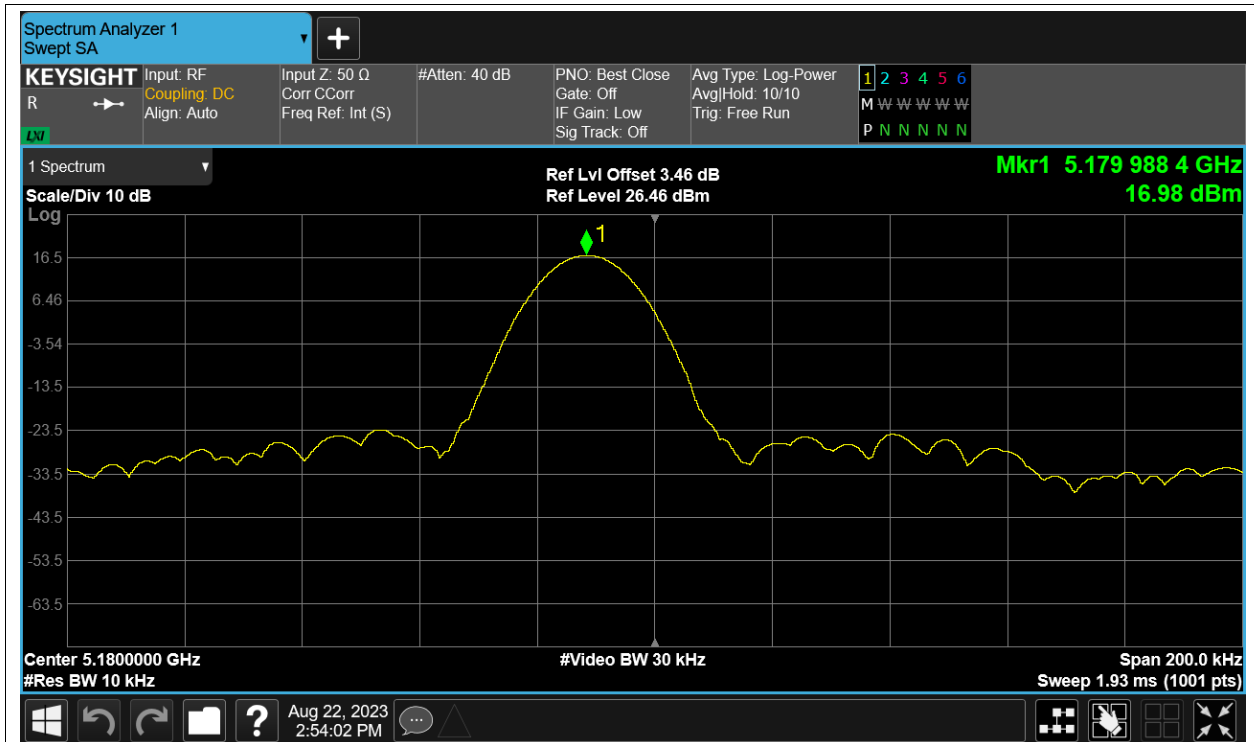
Freq. Stability NVHT a 5180MHz Ant12



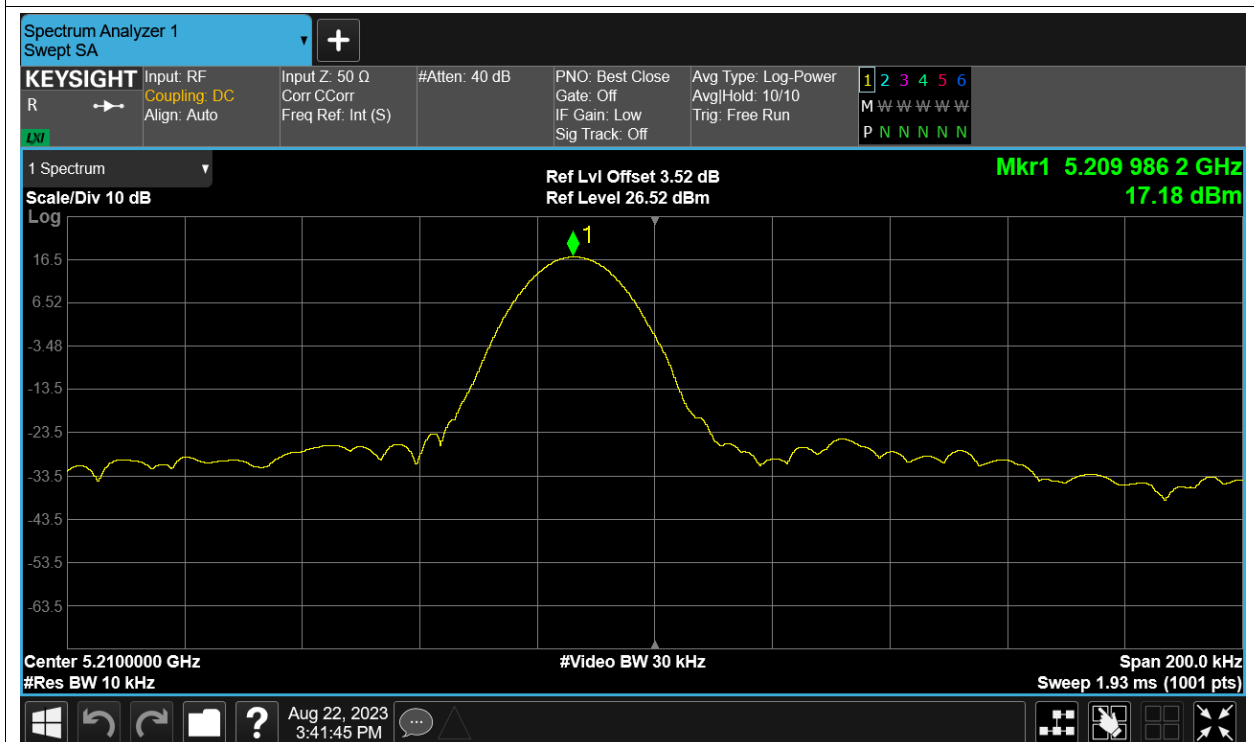
Freq. Stability NVLT a 5180MHz Ant12



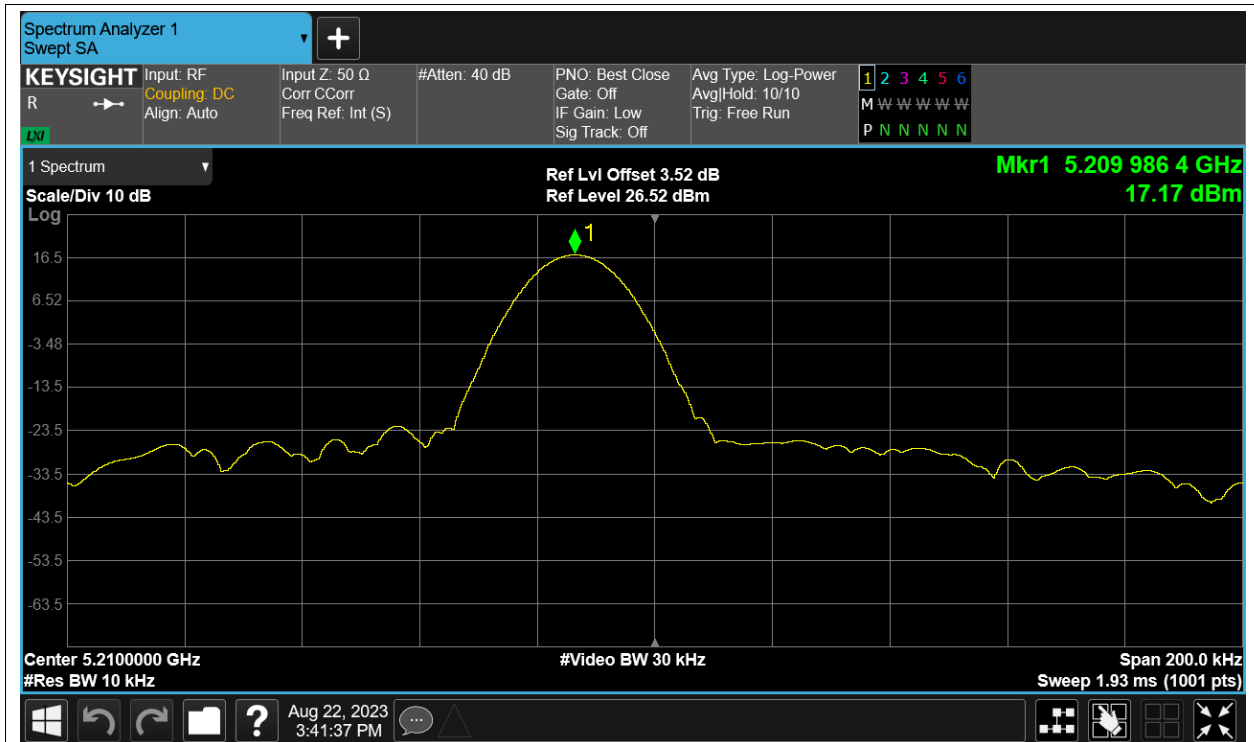
Freq. Stability NVNT a 5180MHz Ant12



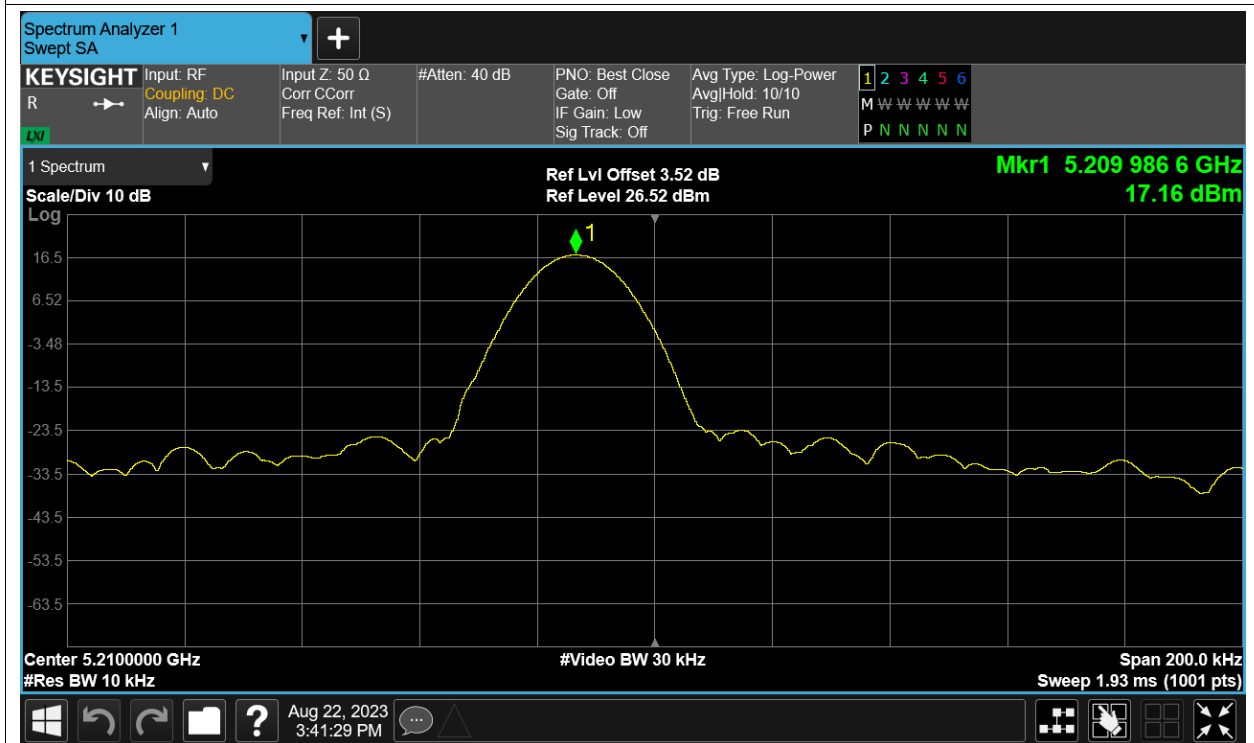
Freq. Stability HVNT ac80 5210MHz Ant12



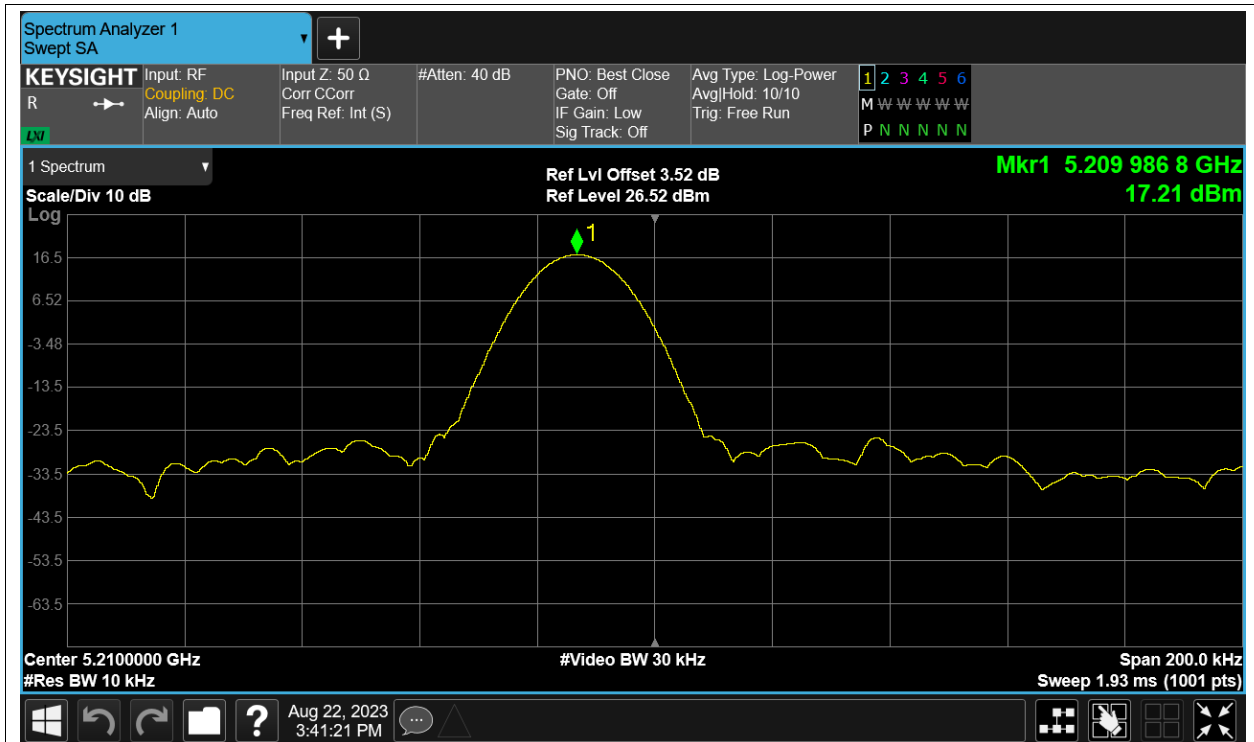
Freq. Stability LVNT ac80 5210MHz Ant12



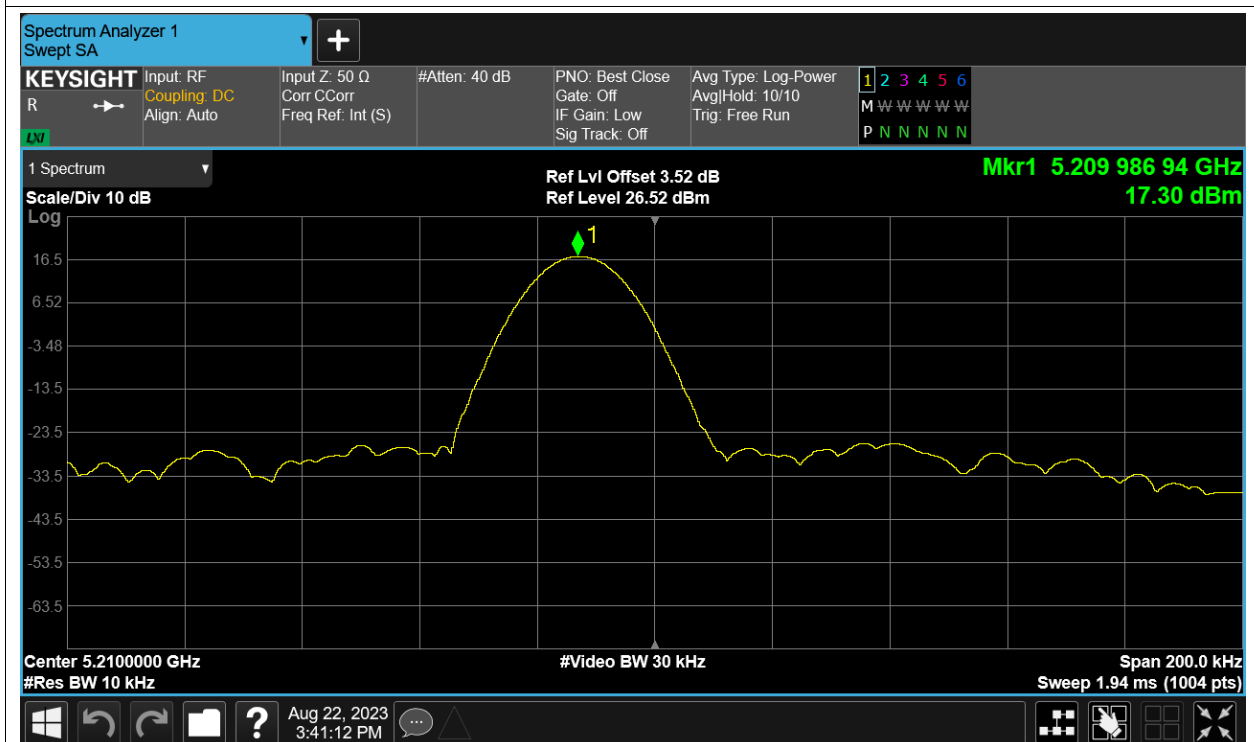
Freq. Stability NVHT ac80 5210MHz Ant12



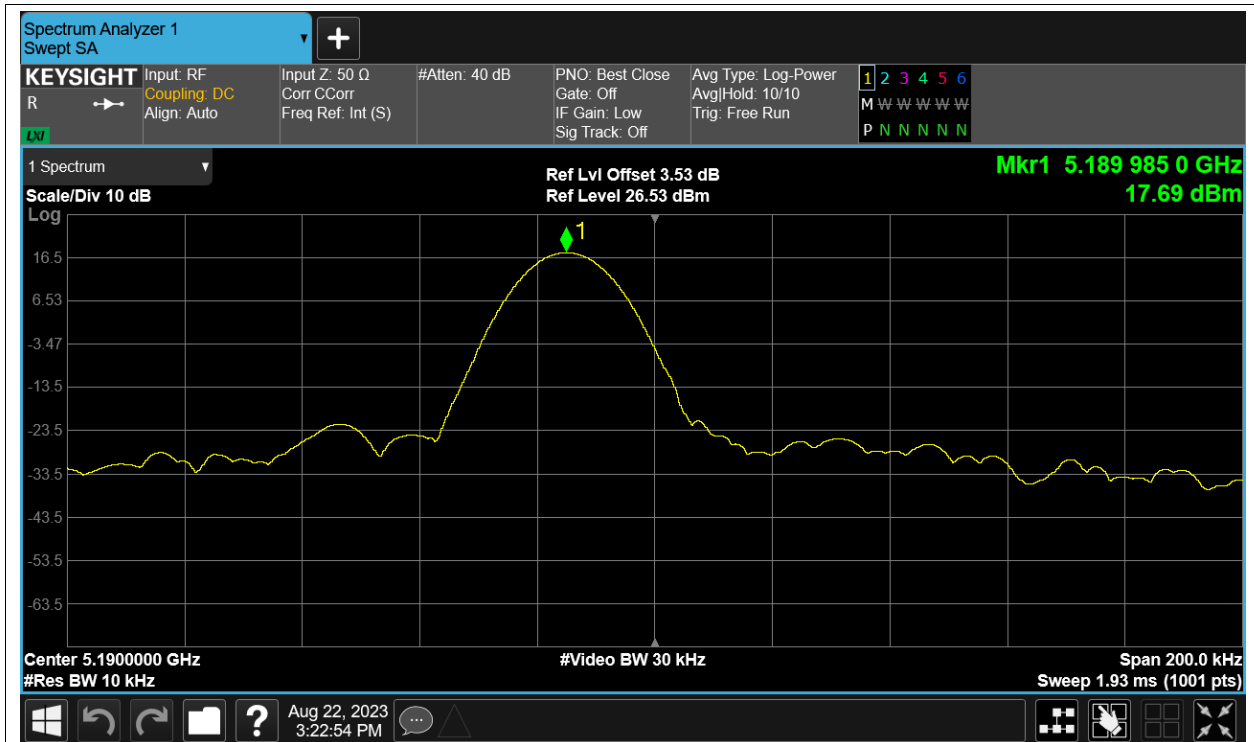
Freq. Stability NVLT ac80 5210MHz Ant12



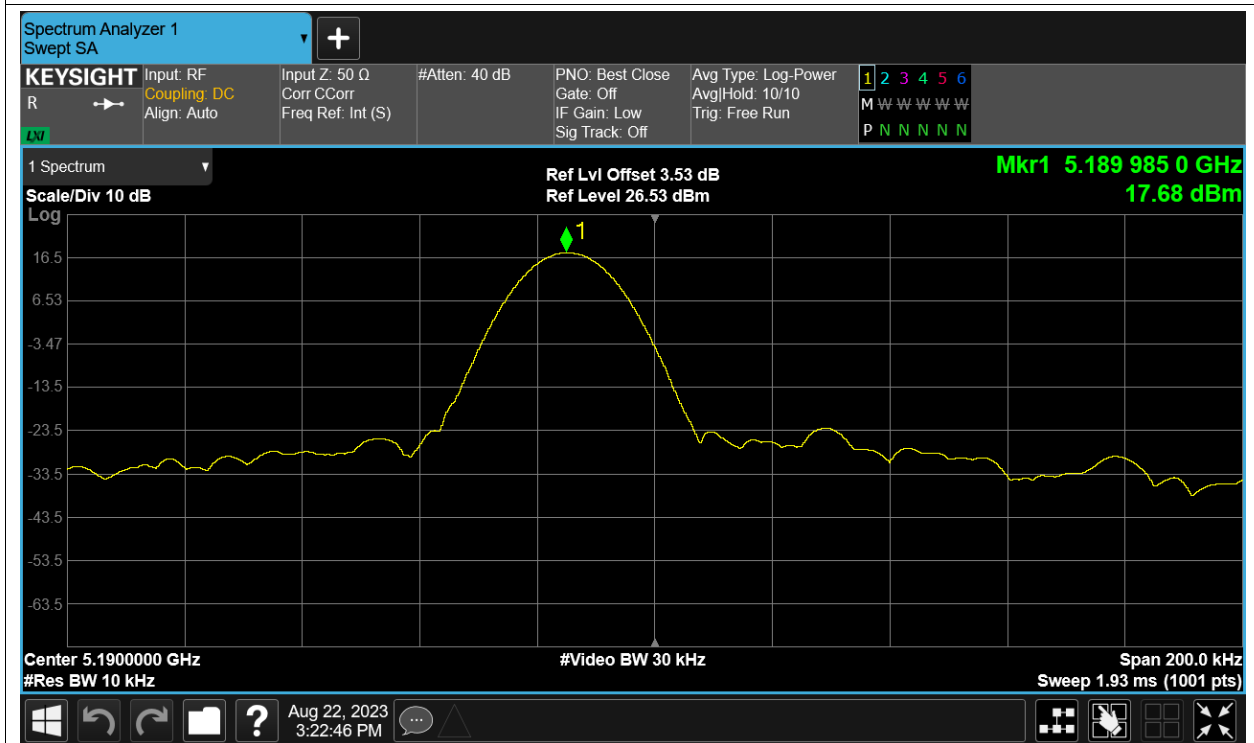
Freq. Stability NVNT ac80 5210MHz Ant12



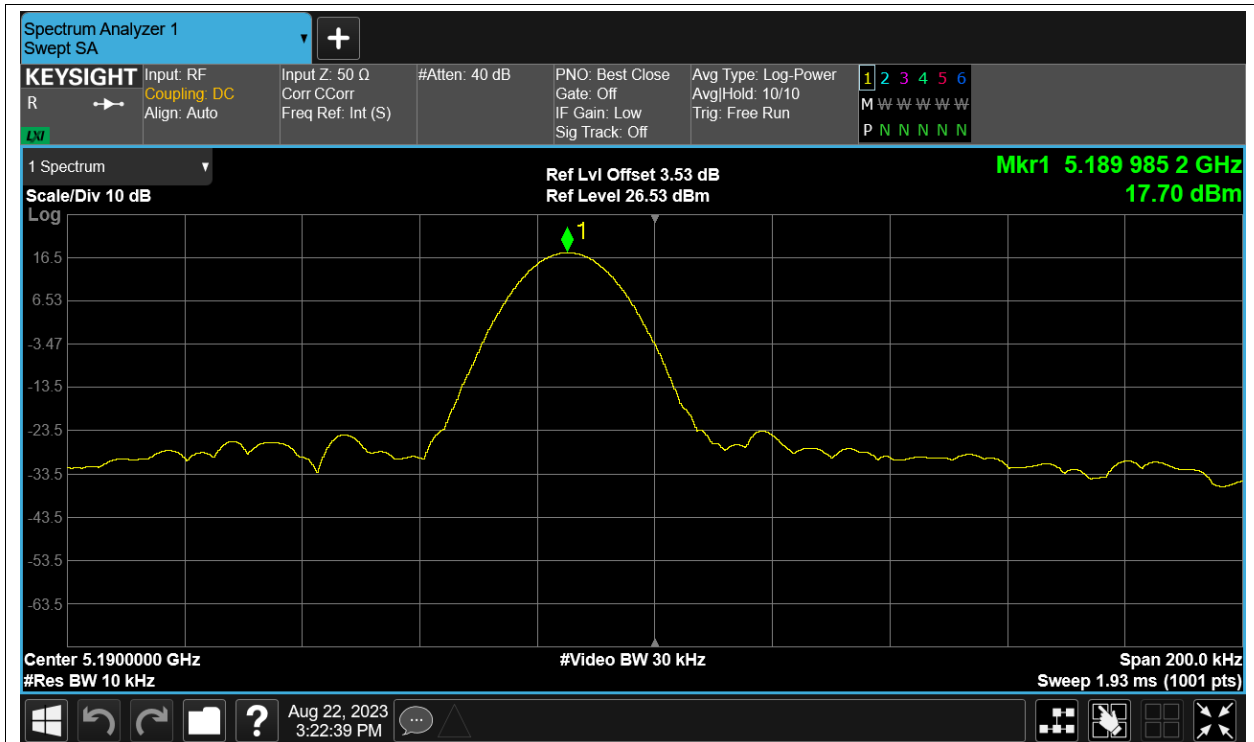
Freq. Stability HVNT n40 5190MHz Ant12



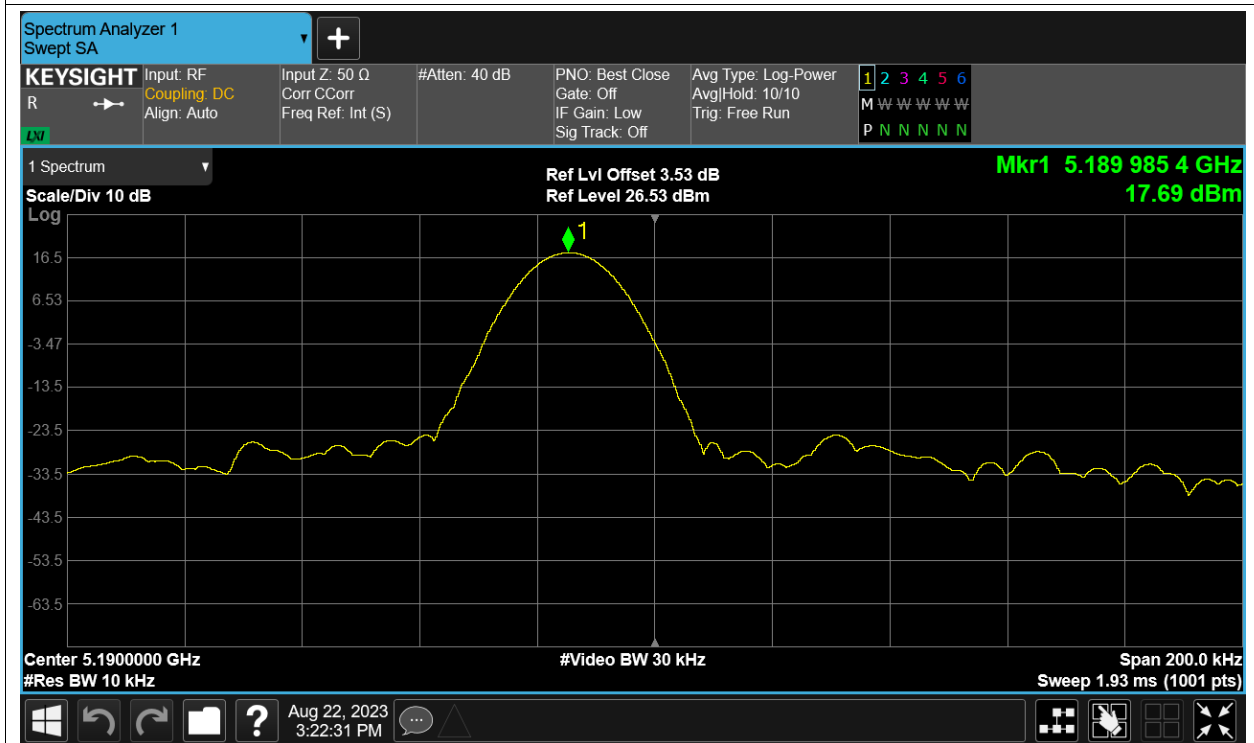
Freq. Stability LVNT n40 5190MHz Ant12



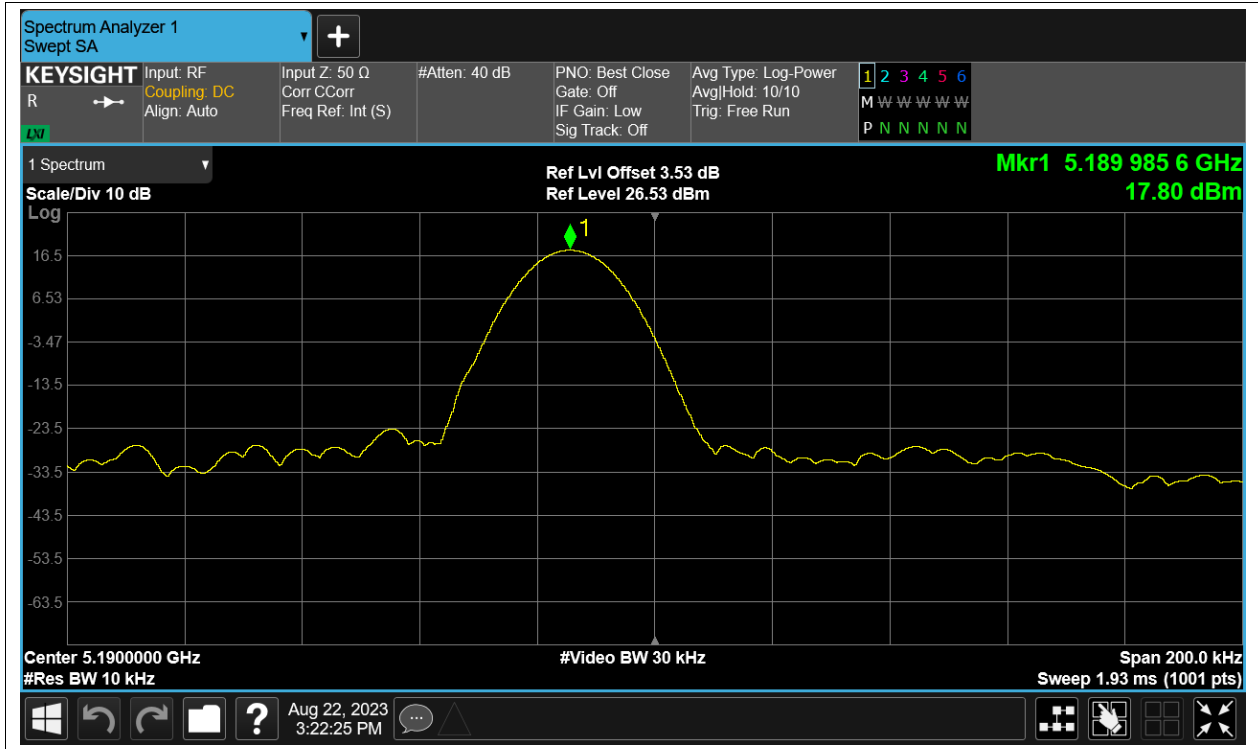
Freq. Stability NVHT n40 5190MHz Ant12



Freq. Stability NVLT n40 5190MHz Ant12



Freq. Stability NVNT n40 5190MHz Ant12

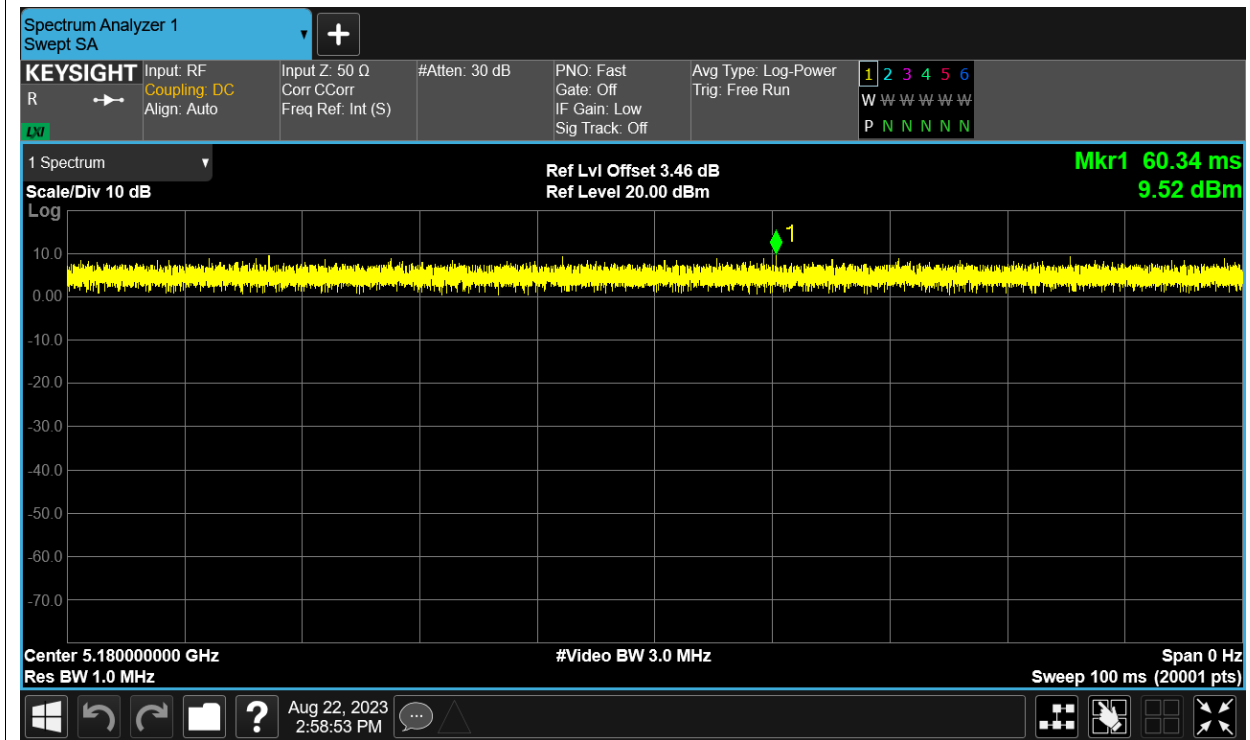


Duty Cycle

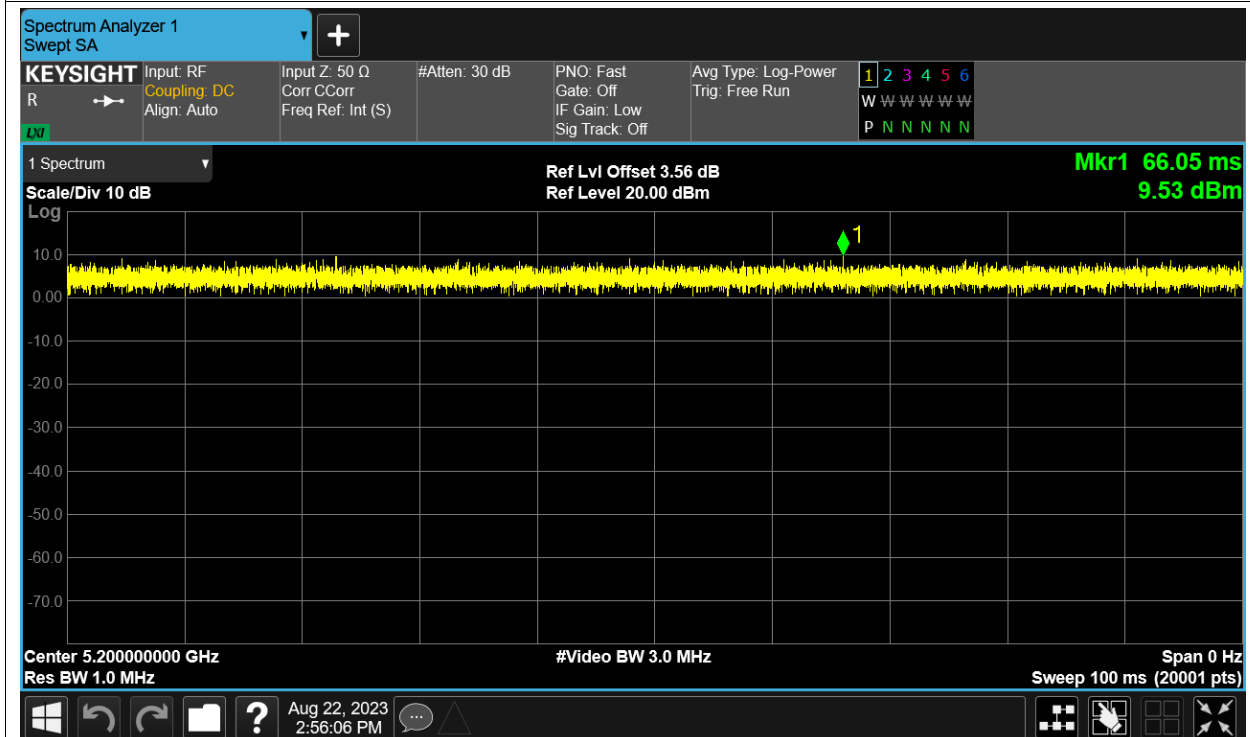
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant12	100	0
NVNT	a	5200	Ant12	100	0
NVNT	a	5240	Ant12	100	0
NVNT	ac20	5180	Ant12	100	0
NVNT	ac20	5200	Ant12	100	0
NVNT	ac20	5240	Ant12	100	0
NVNT	ac40	5190	Ant12	100	0
NVNT	ac40	5230	Ant12	100	0
NVNT	ac80	5210	Ant12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

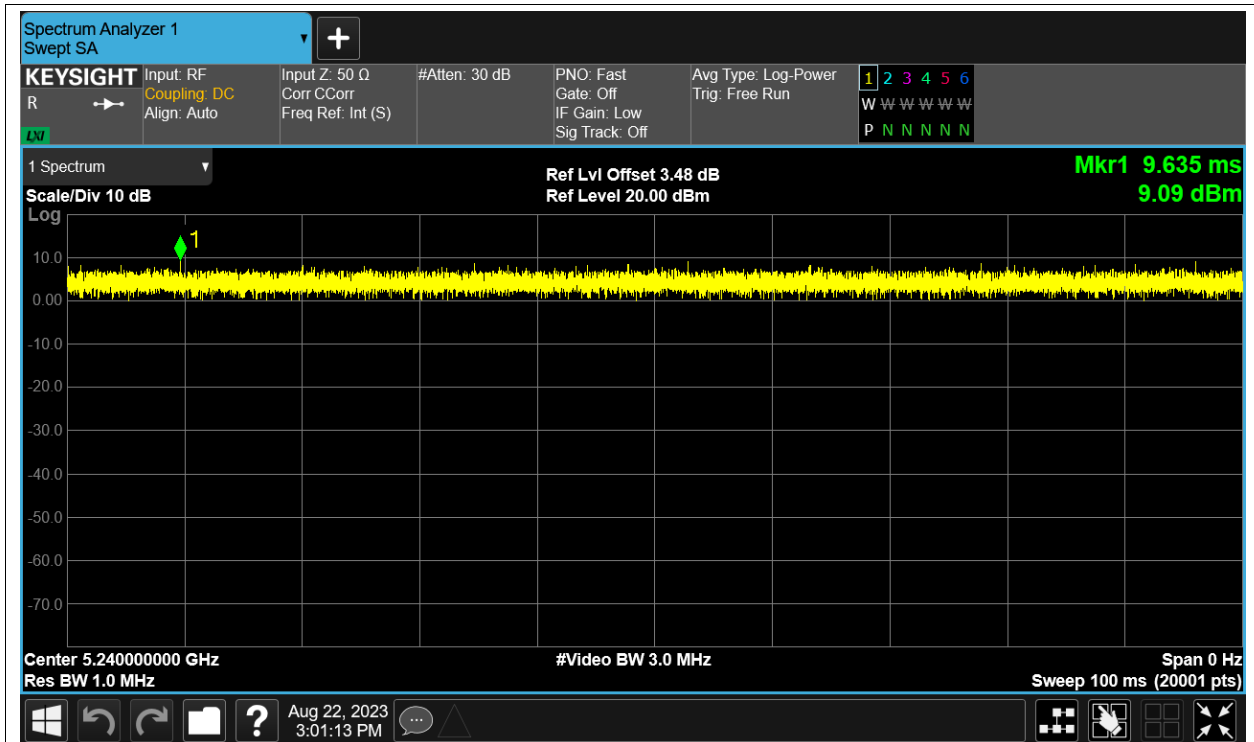
Duty Cycle NVNT a 5180MHz Ant12



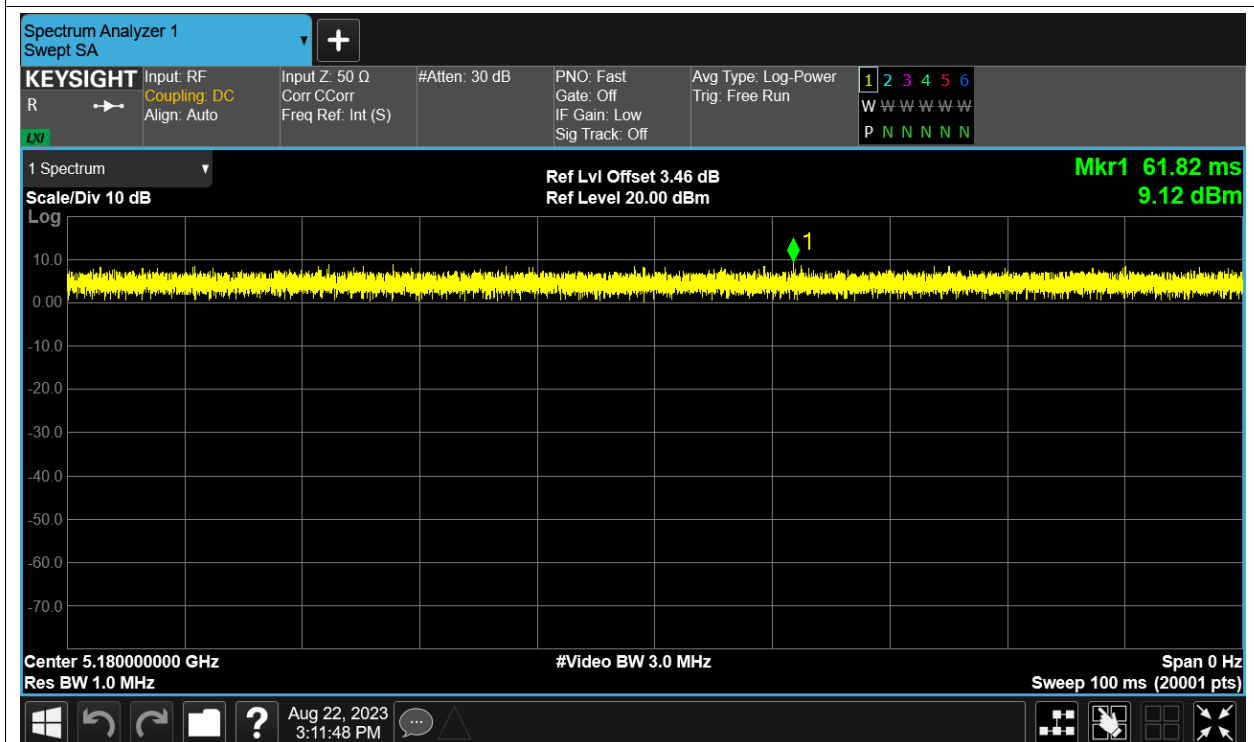
Duty Cycle NVNT a 5200MHz Ant12



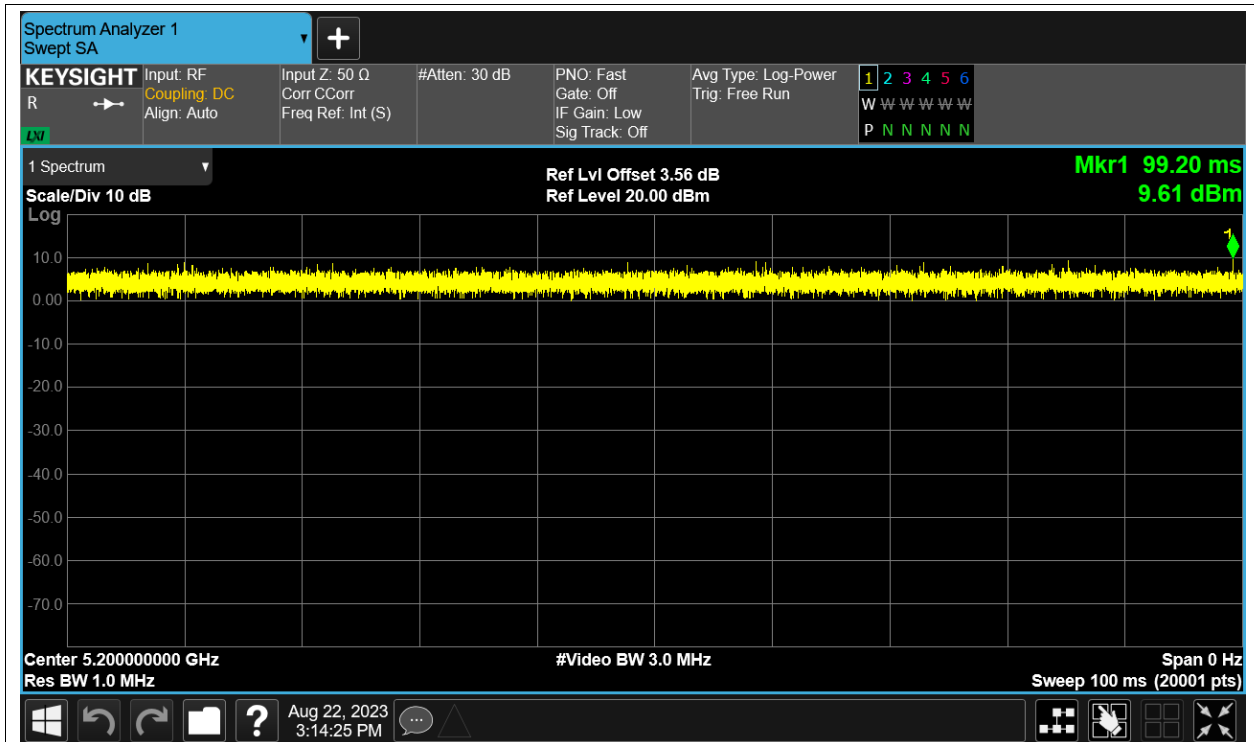
Duty Cycle NVNT a 5240MHz Ant12



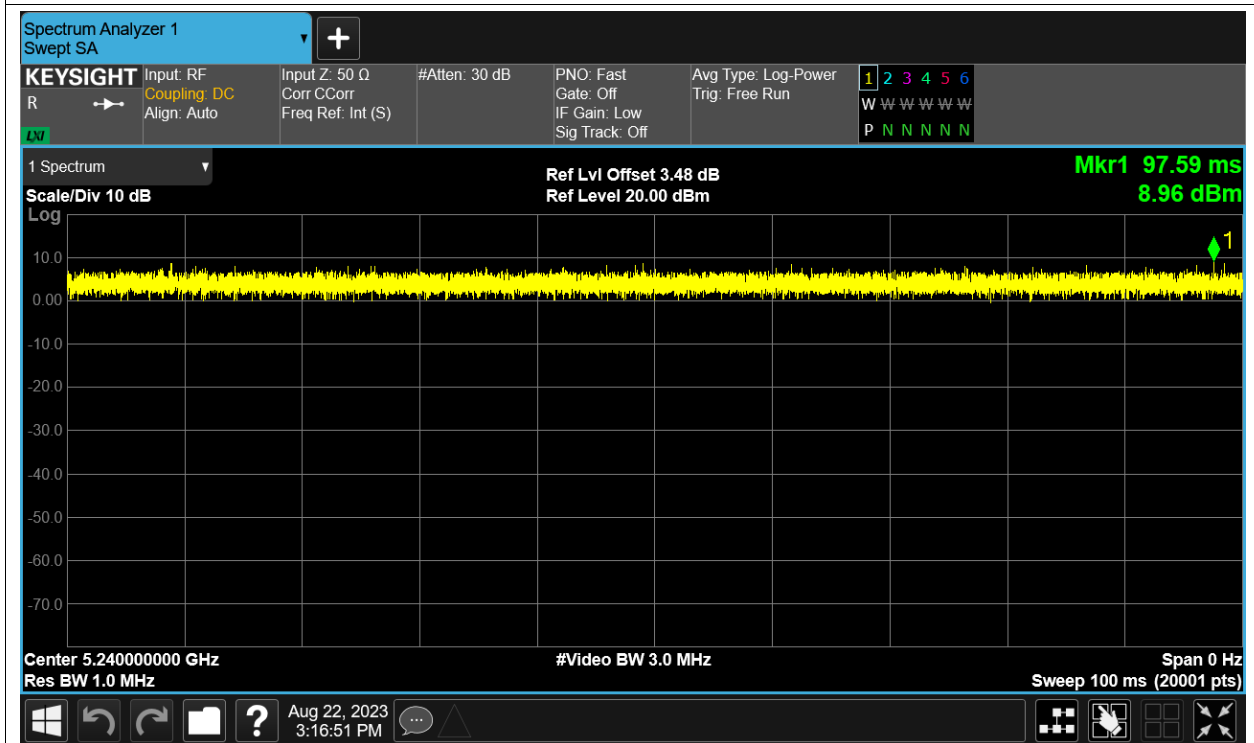
Duty Cycle NVNT ac20 5180MHz Ant12



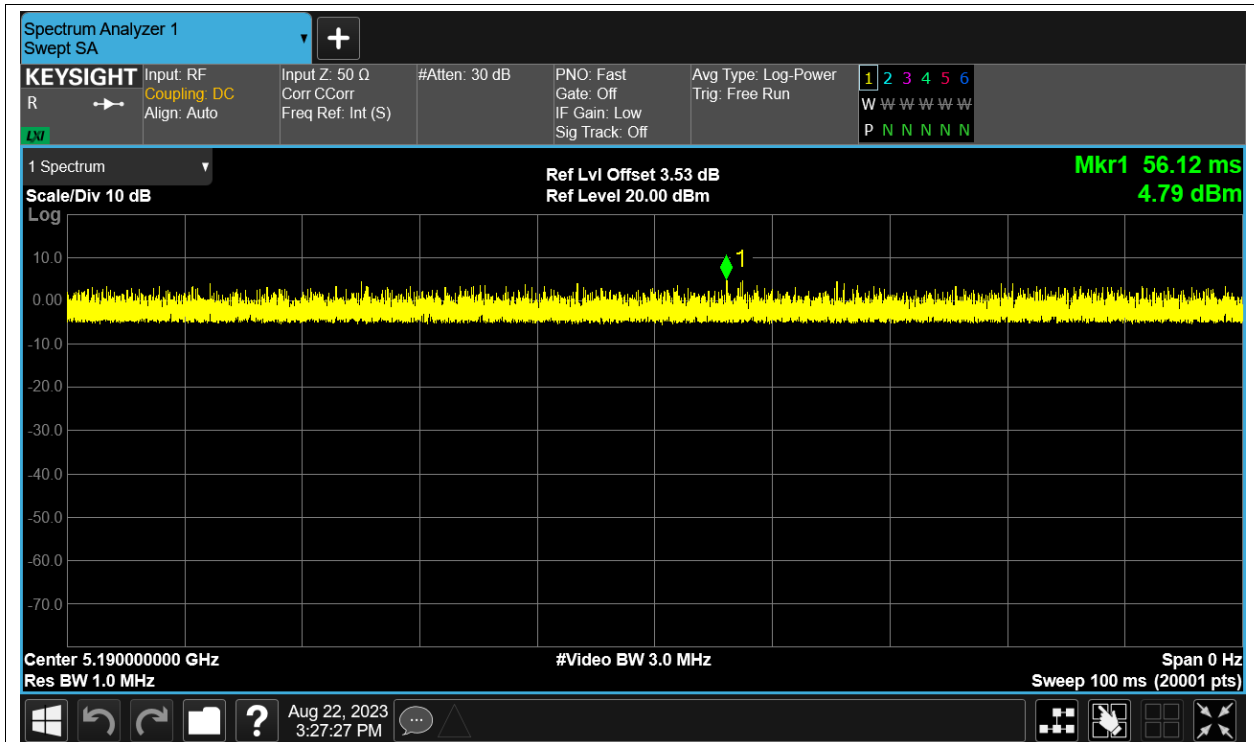
Duty Cycle NVNT ac20 5200MHz Ant12



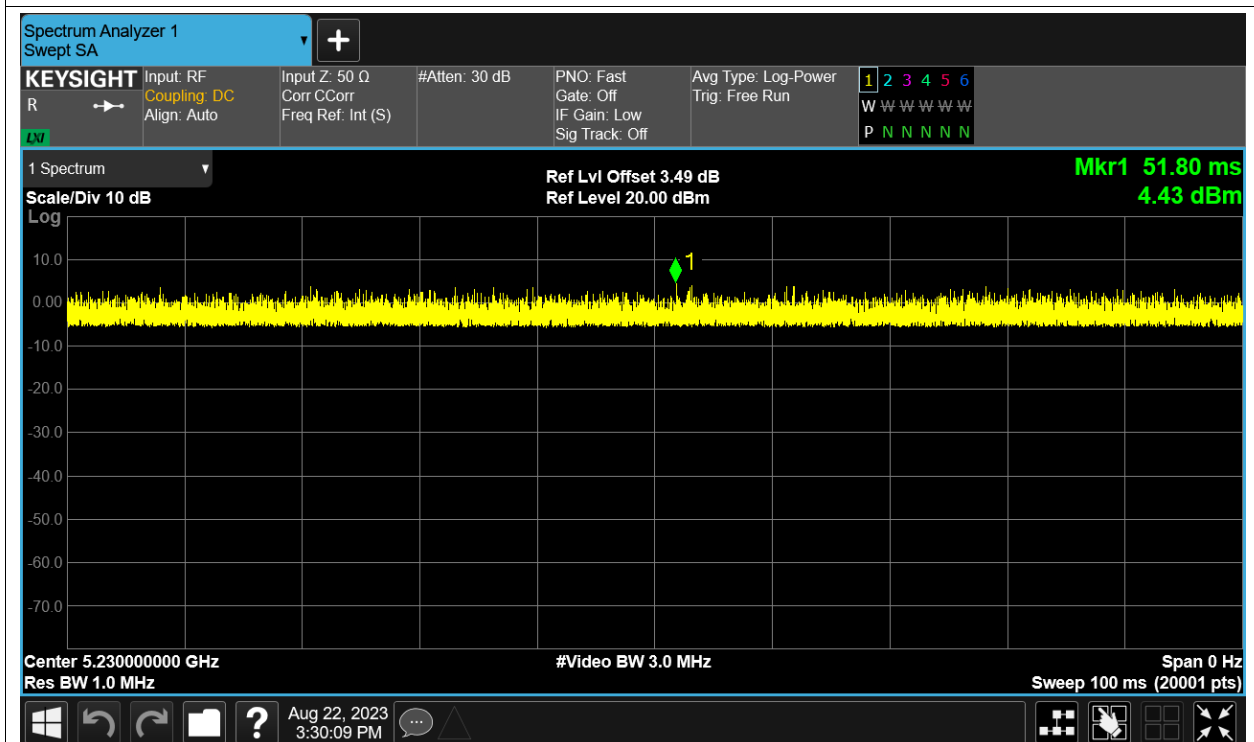
Duty Cycle NVNT ac20 5240MHz Ant12



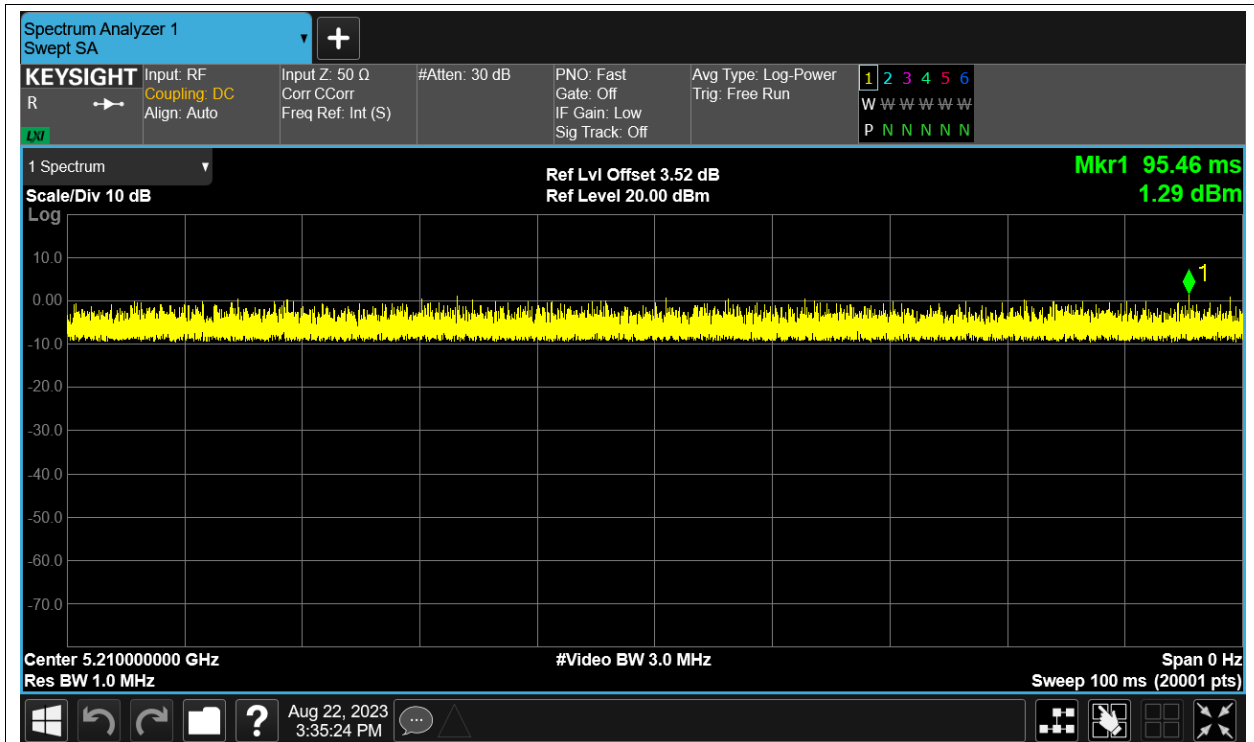
Duty Cycle NVNT ac40 5190MHz Ant12



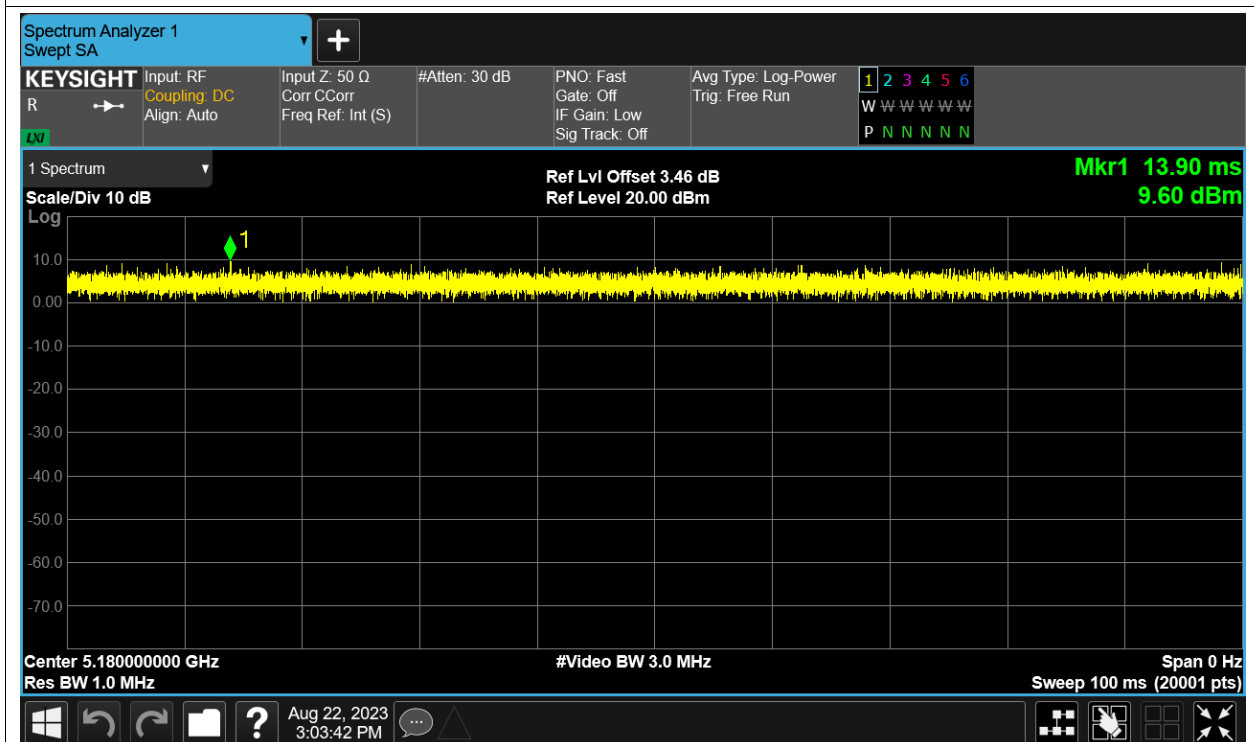
Duty Cycle NVNT ac40 5230MHz Ant12



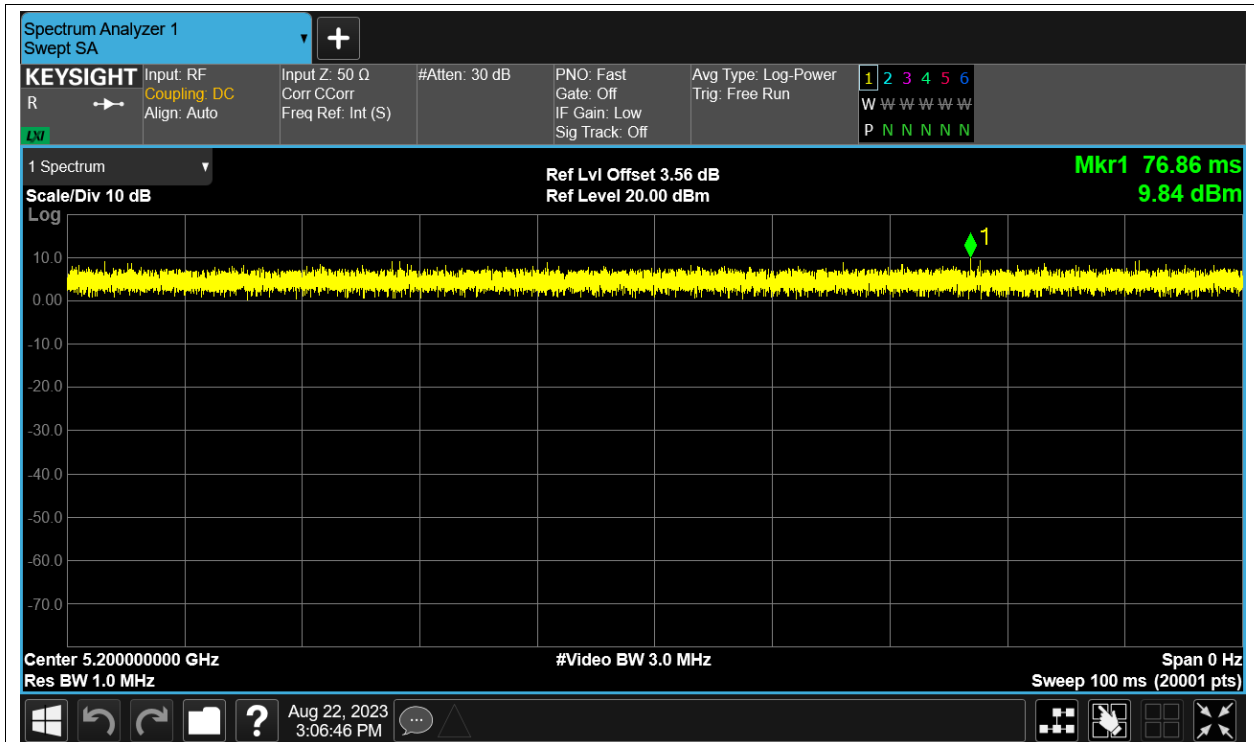
Duty Cycle NVNT ac80 5210MHz Ant12



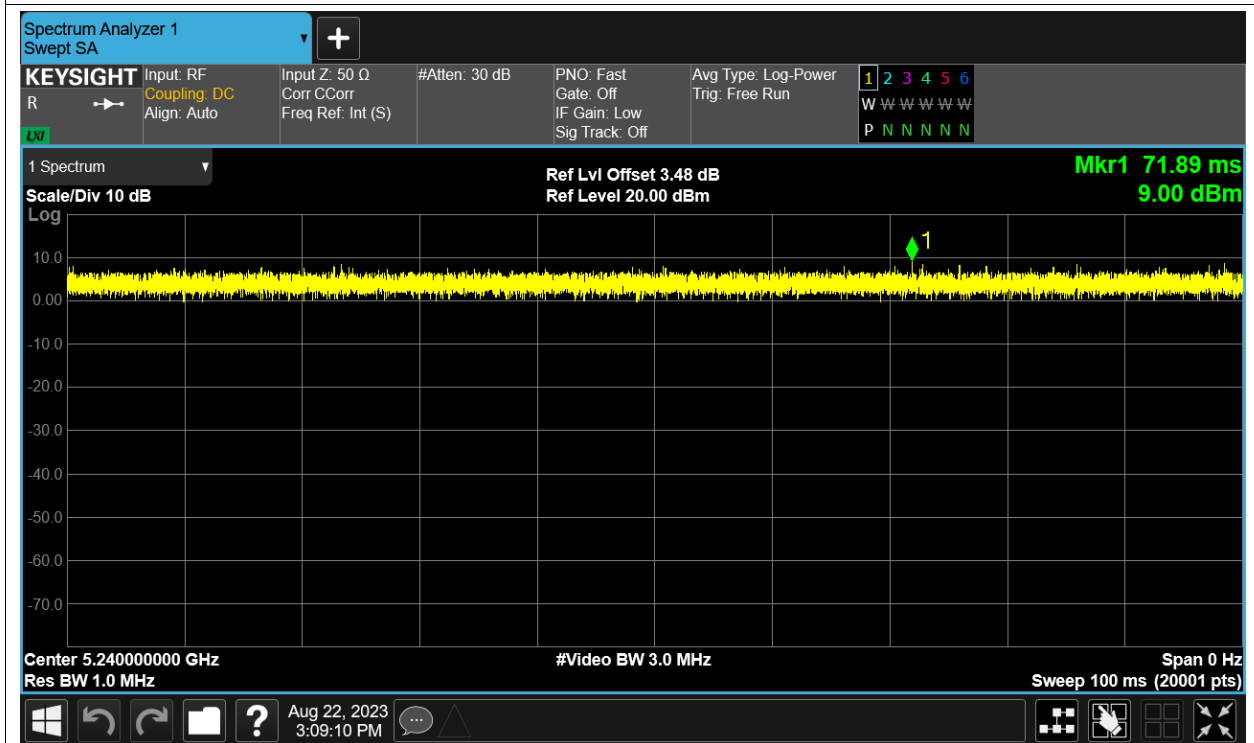
Duty Cycle NVNT n20 5180MHz Ant12



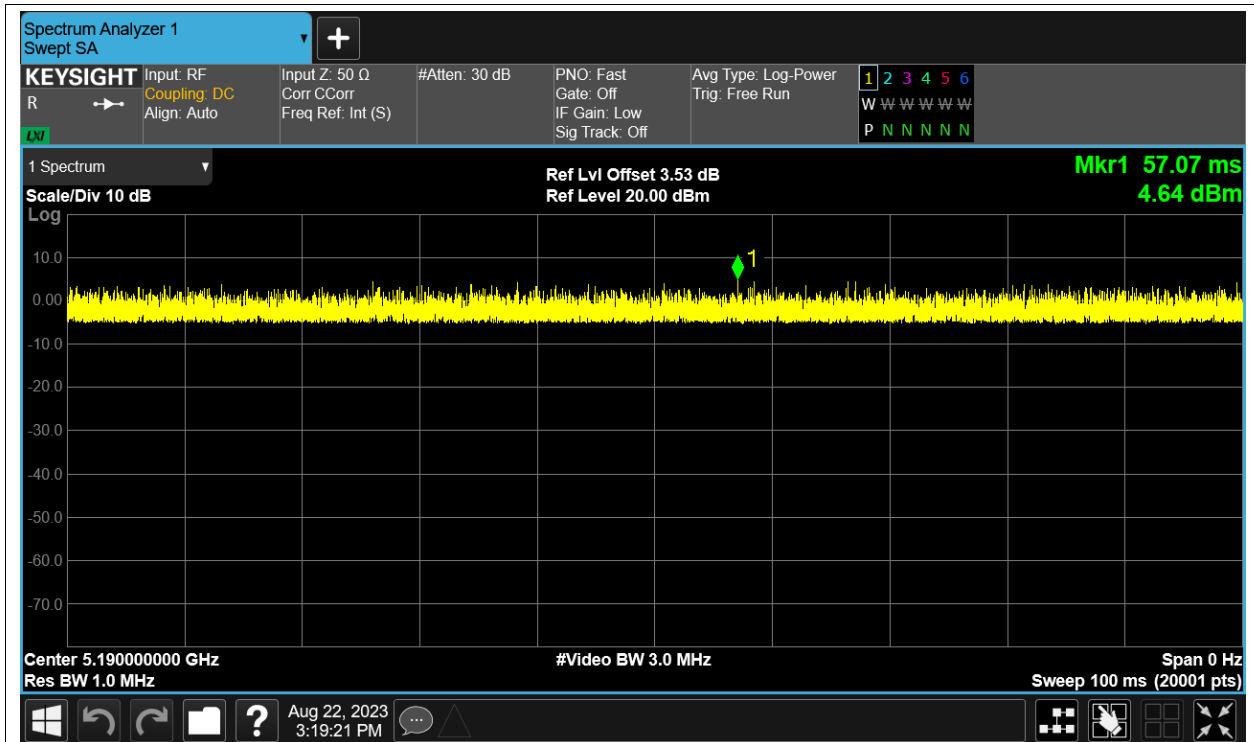
Duty Cycle NVNT n20 5200MHz Ant12



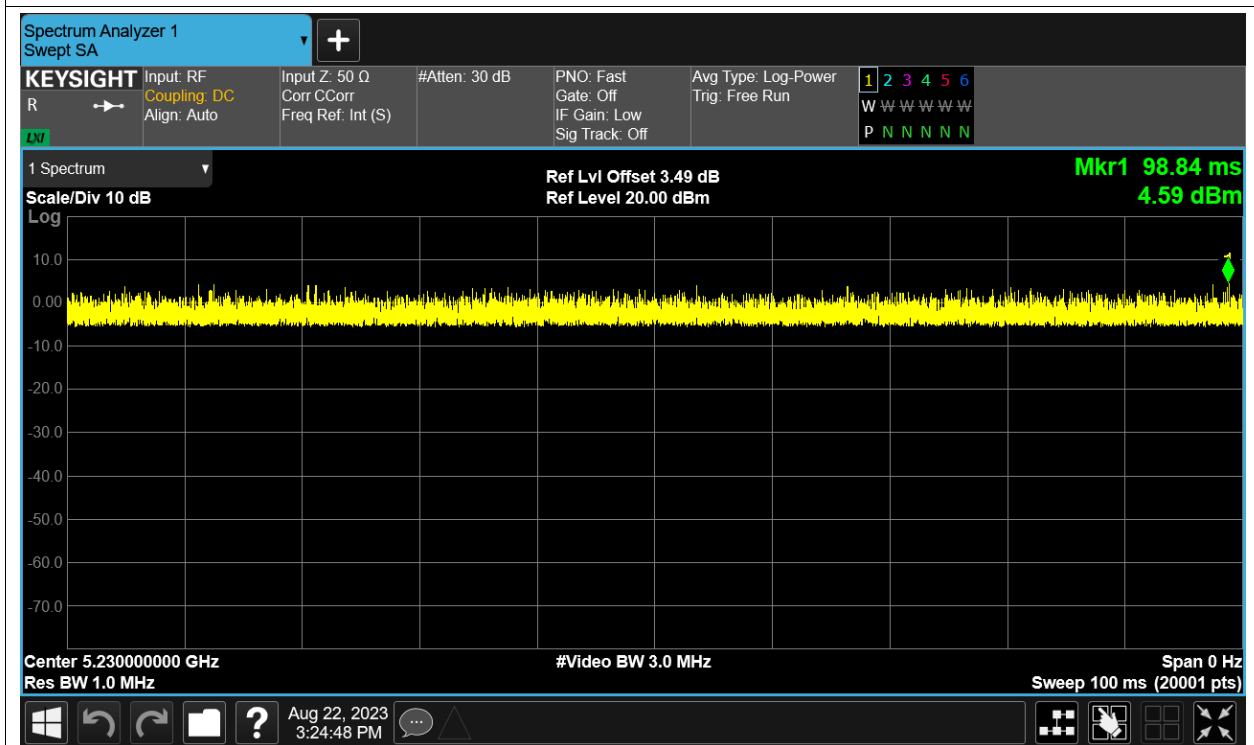
Duty Cycle NVNT n20 5240MHz Ant12



Duty Cycle NVNT n40 5190MHz Ant12



Duty Cycle NVNT n40 5230MHz Ant12



Maximum Conducted Output Power

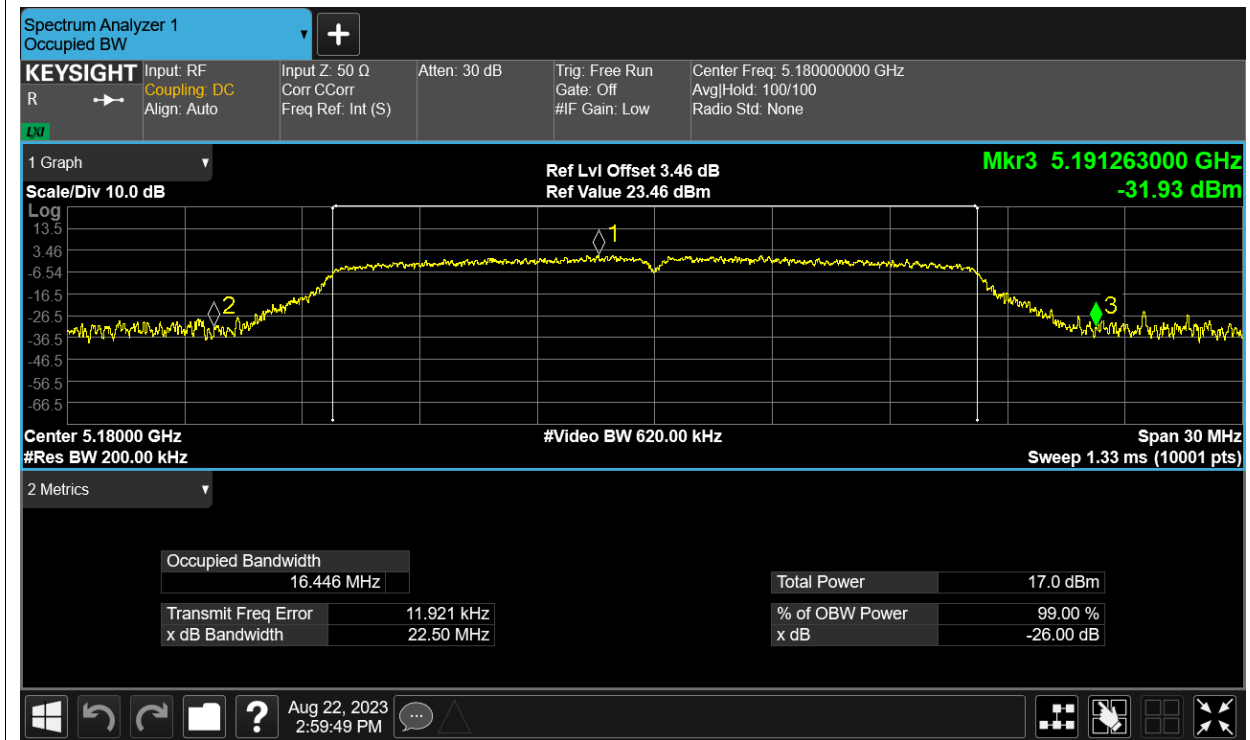
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant12	14.81	0	14.81	24	Pass
NVNT	a	5200	Ant12	14.02	0	14.02	24	Pass
NVNT	a	5240	Ant12	14.34	0	14.34	24	Pass
NVNT	ac20	5180	Ant12	14.62	0	14.62	24	Pass
NVNT	ac20	5200	Ant12	13.63	0	13.63	24	Pass
NVNT	ac20	5240	Ant12	14.19	0	14.19	24	Pass
NVNT	ac40	5190	Ant12	14.1	0	14.1	24	Pass
NVNT	ac40	5230	Ant12	13.65	0	13.65	24	Pass
NVNT	ac80	5210	Ant12	13.28	0	13.28	24	Pass
NVNT	n20	5180	Ant12	14.65	0	14.65	24	Pass
NVNT	n20	5200	Ant12	14	0	14	24	Pass
NVNT	n20	5240	Ant12	14.09	0	14.09	24	Pass
NVNT	n40	5190	Ant12	14.15	0	14.15	24	Pass
NVNT	n40	5230	Ant12	13.79	0	13.79	24	Pass

-26dB Bandwidth

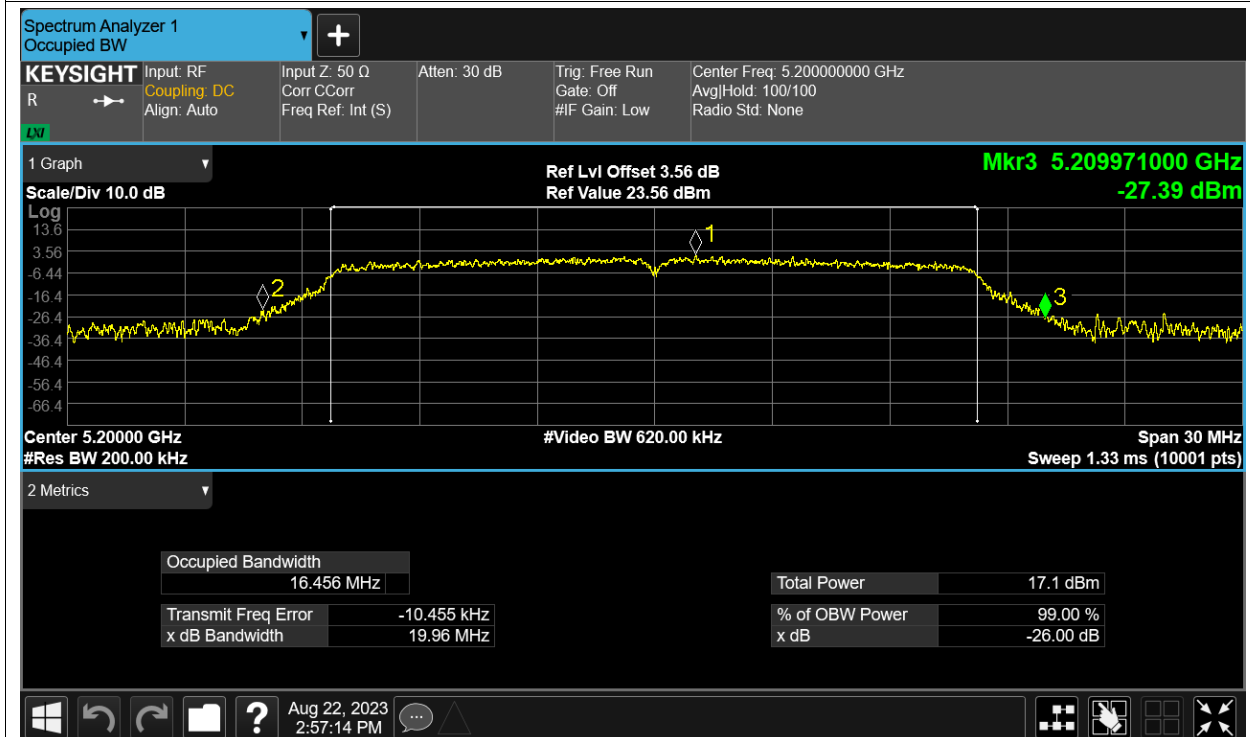
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant12	22.502
NVNT	a	5200	Ant12	19.963
NVNT	a	5240	Ant12	19.623
NVNT	ac20	5180	Ant12	20.135
NVNT	ac20	5200	Ant12	20.637
NVNT	ac20	5240	Ant12	20.111
NVNT	ac40	5190	Ant12	39.345
NVNT	ac40	5230	Ant12	39.68
NVNT	ac80	5210	Ant12	78.557
NVNT	n20	5180	Ant12	21.353
NVNT	n20	5200	Ant12	21.101
NVNT	n20	5240	Ant12	20.214
NVNT	n40	5190	Ant12	39.436
NVNT	n40	5230	Ant12	39.713

Test Graphs

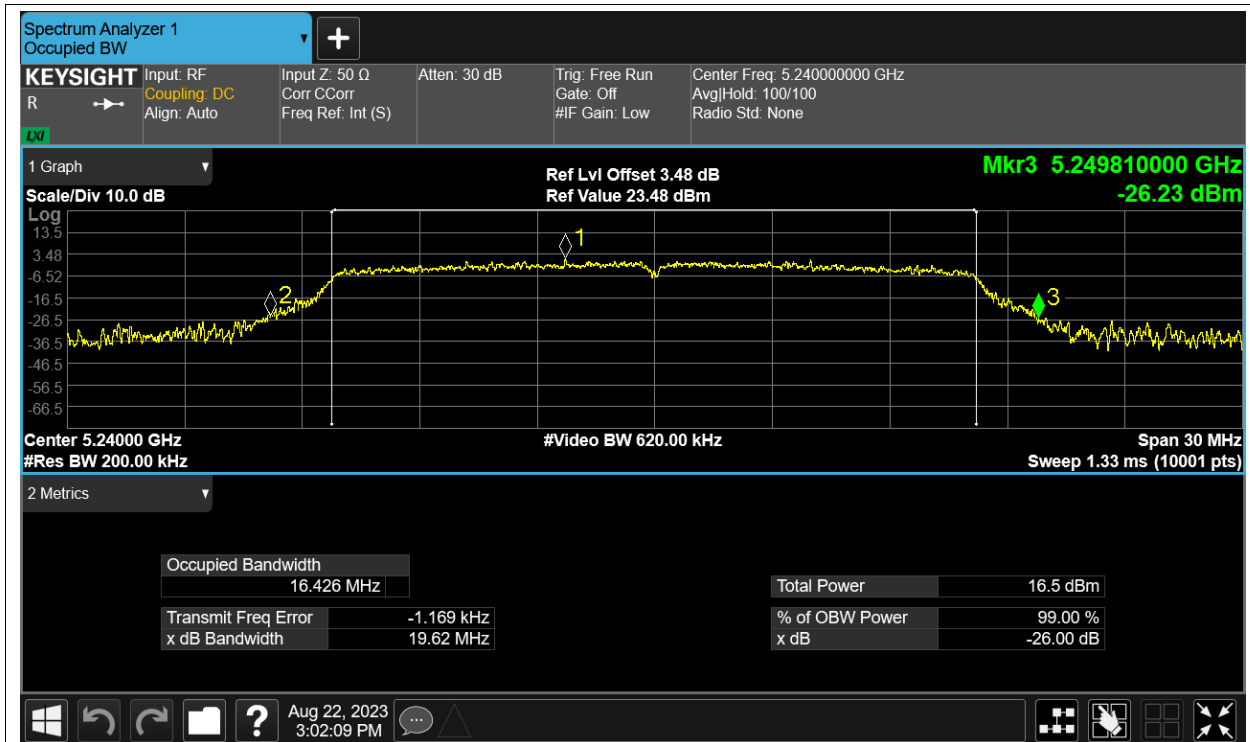
-26dB Bandwidth NVNT a 5180MHz Ant12



-26dB Bandwidth NVNT a 5200MHz Ant12



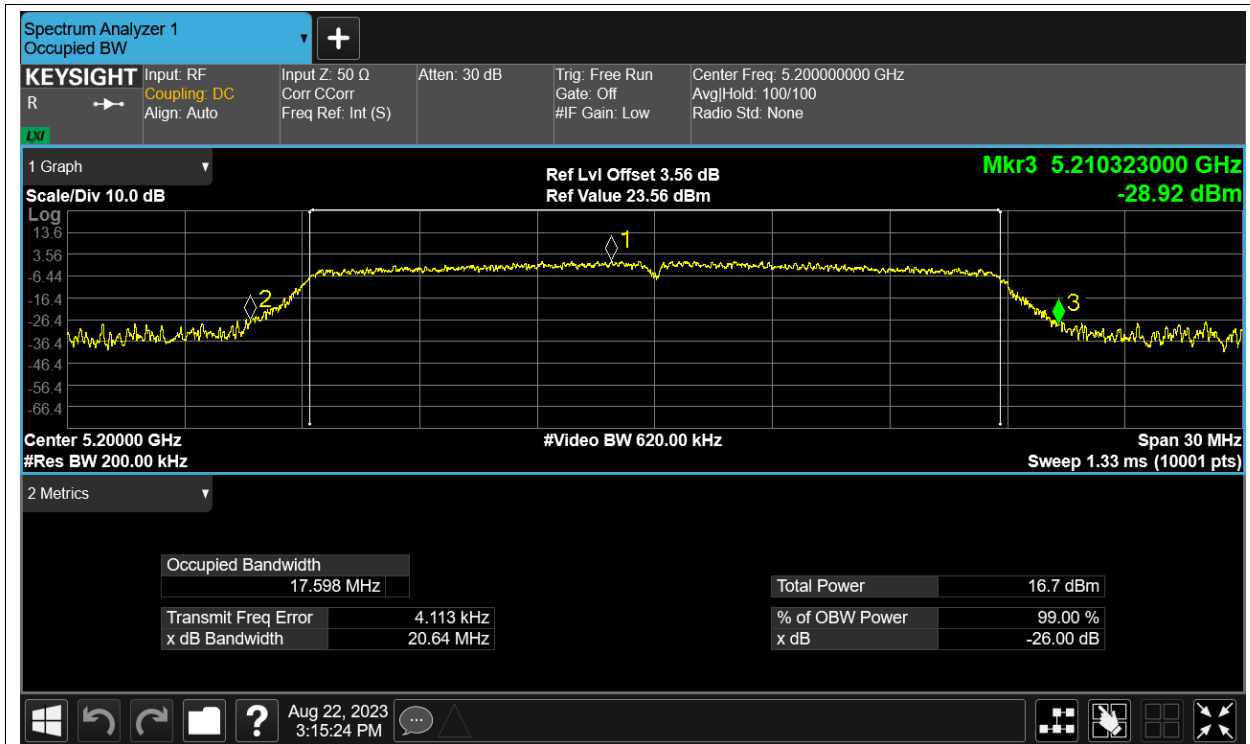
-26dB Bandwidth NVNT a 5240MHz Ant12



-26dB Bandwidth NVNT ac20 5180MHz Ant12



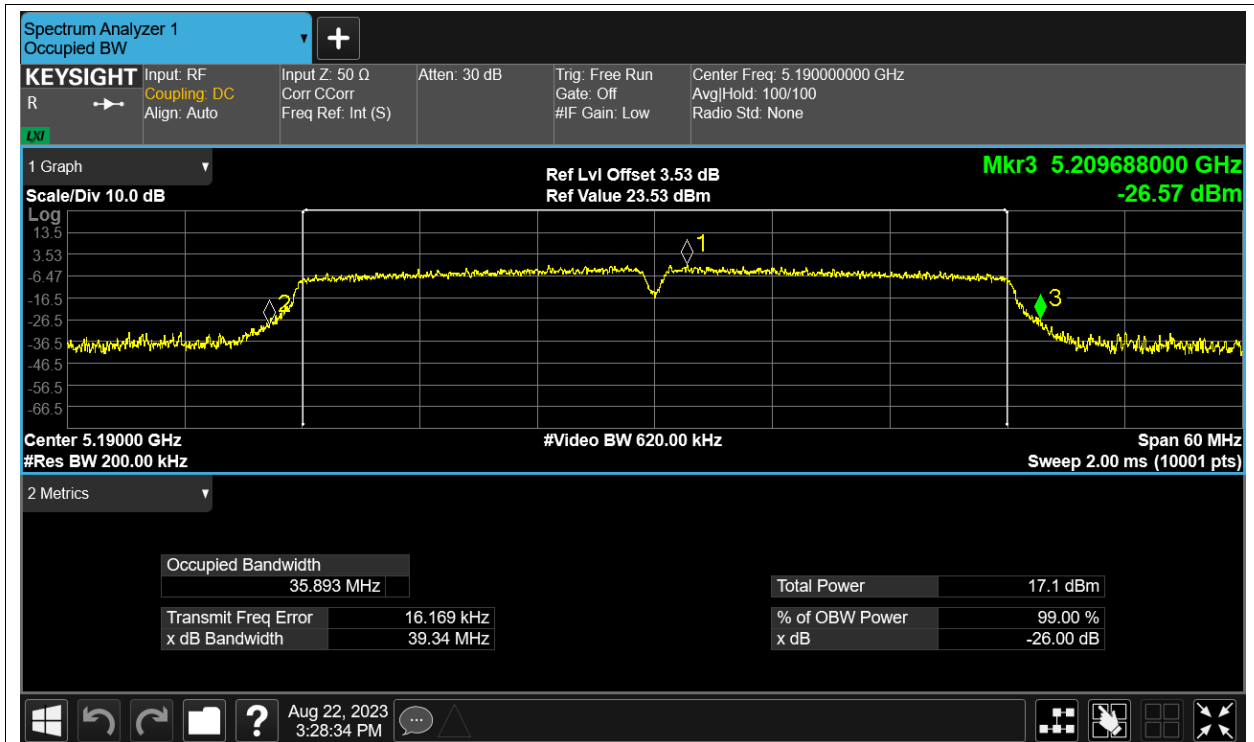
-26dB Bandwidth NVNT ac20 5200MHz Ant12



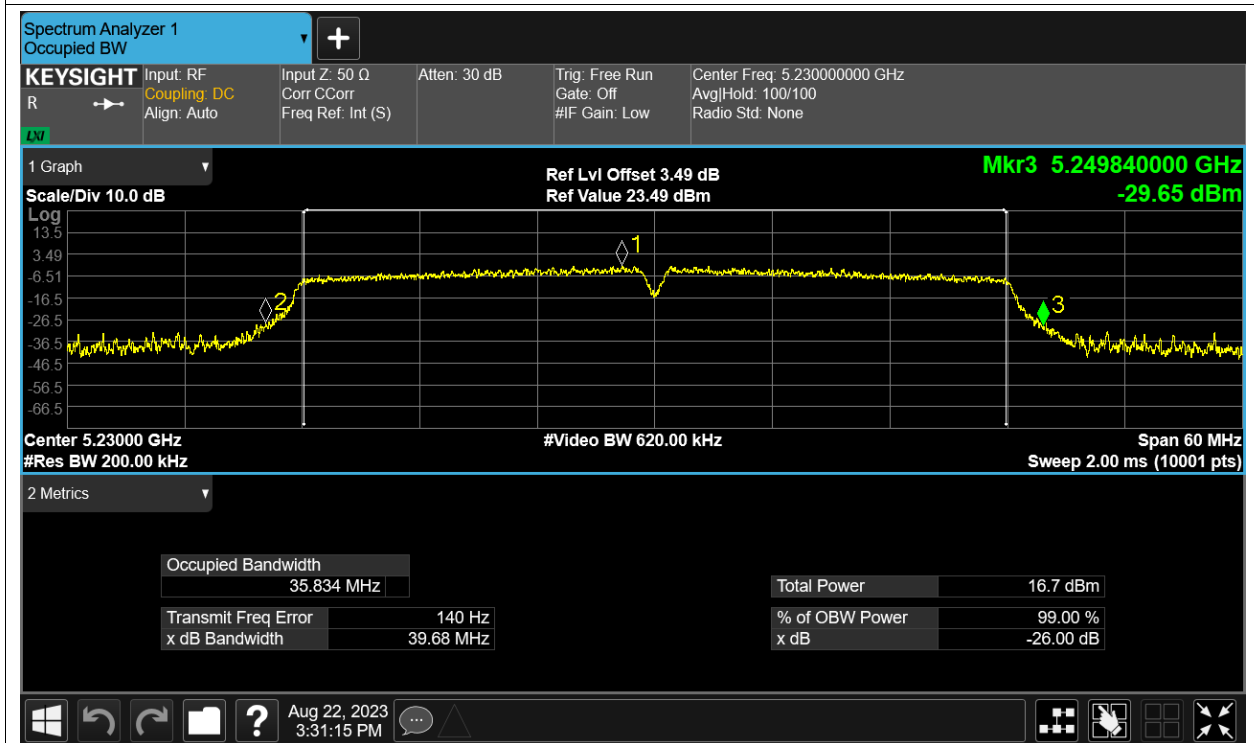
-26dB Bandwidth NVNT ac20 5240MHz Ant12



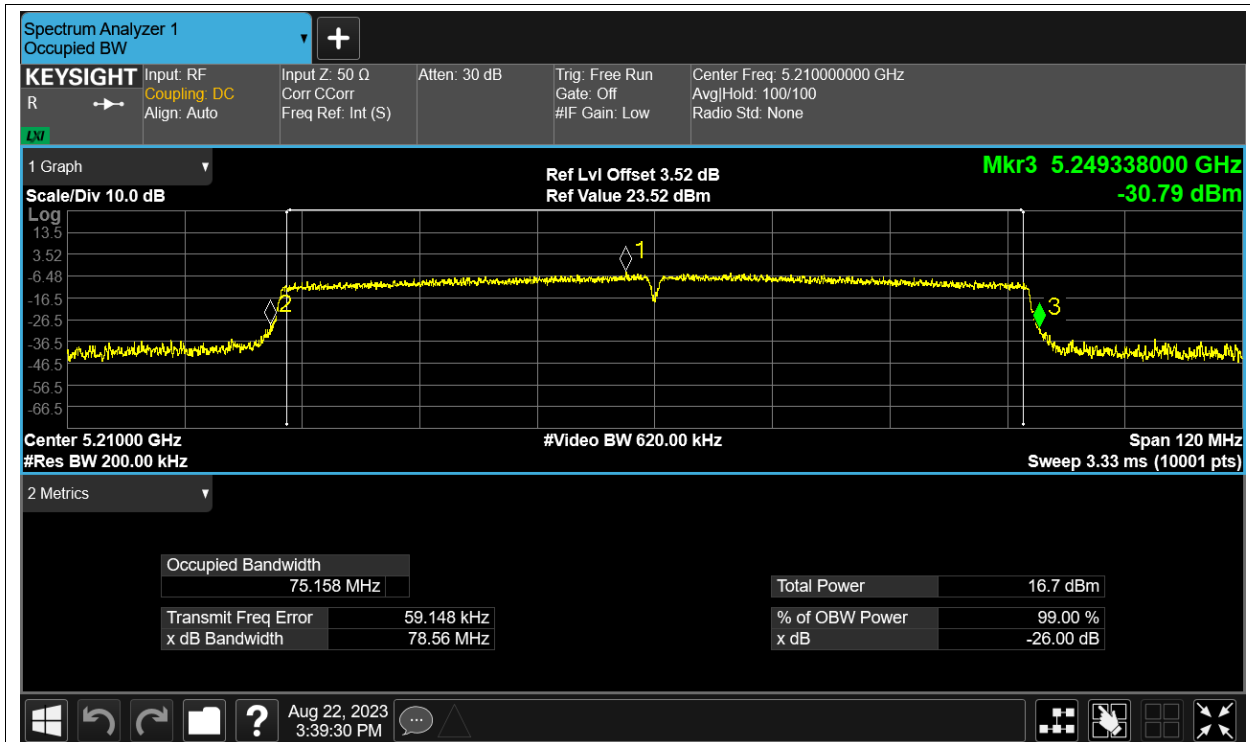
-26dB Bandwidth NVNT ac40 5190MHz Ant12



-26dB Bandwidth NVNT ac40 5230MHz Ant12



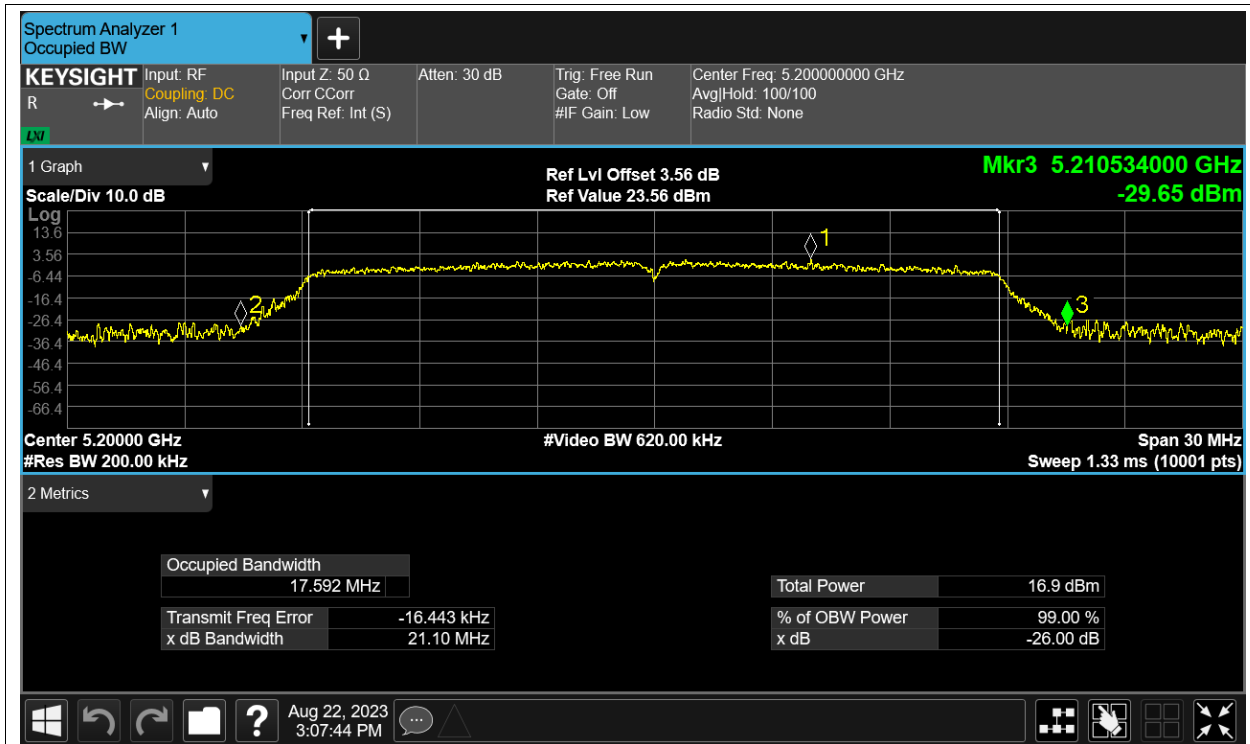
-26dB Bandwidth NVNT ac80 5210MHz Ant12



-26dB Bandwidth NVNT n20 5180MHz Ant12



-26dB Bandwidth NVNT n20 5200MHz Ant12



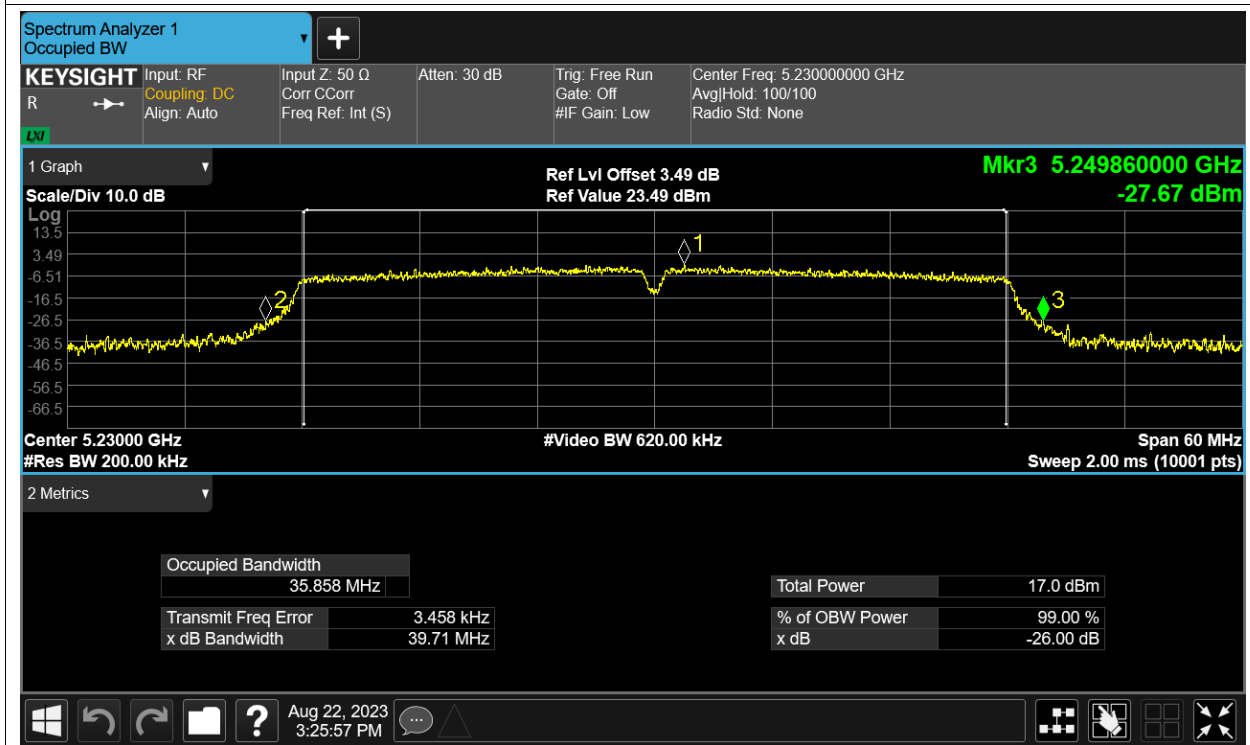
-26dB Bandwidth NVNT n20 5240MHz Ant12



-26dB Bandwidth NVNT n40 5190MHz Ant12



-26dB Bandwidth NVNT n40 5230MHz Ant12

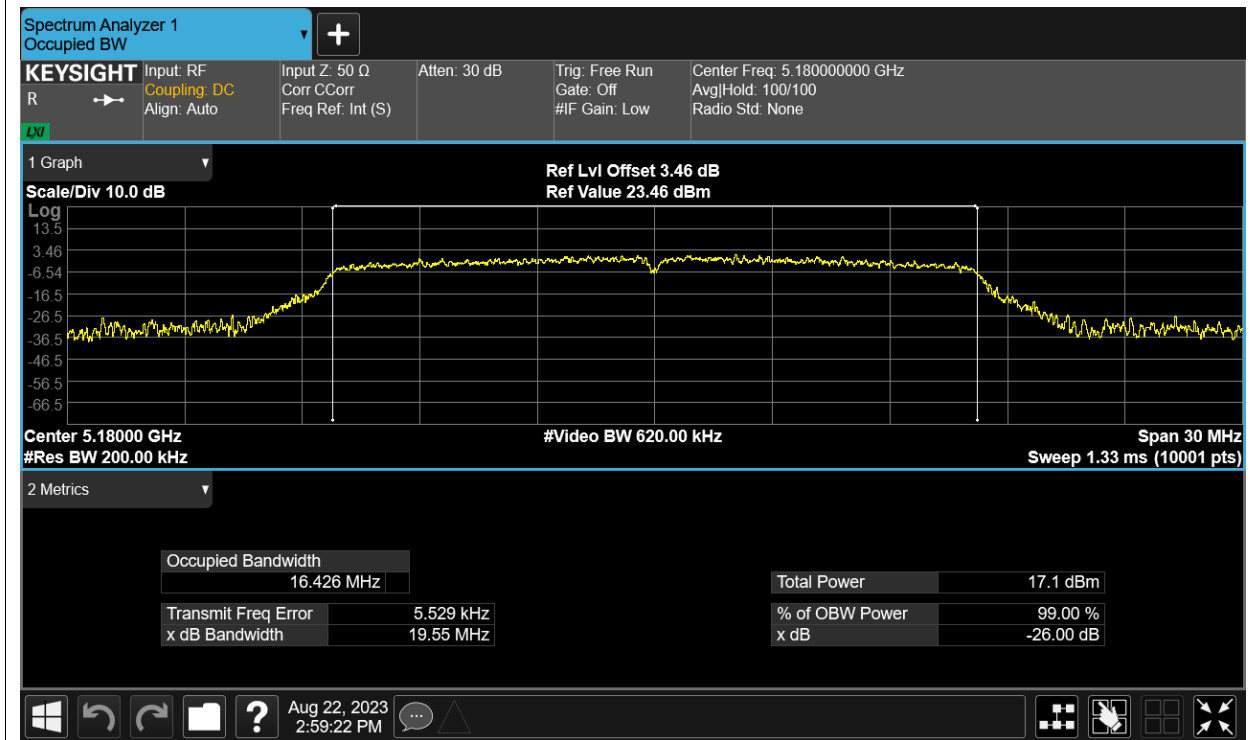


Occupied Channel Bandwidth

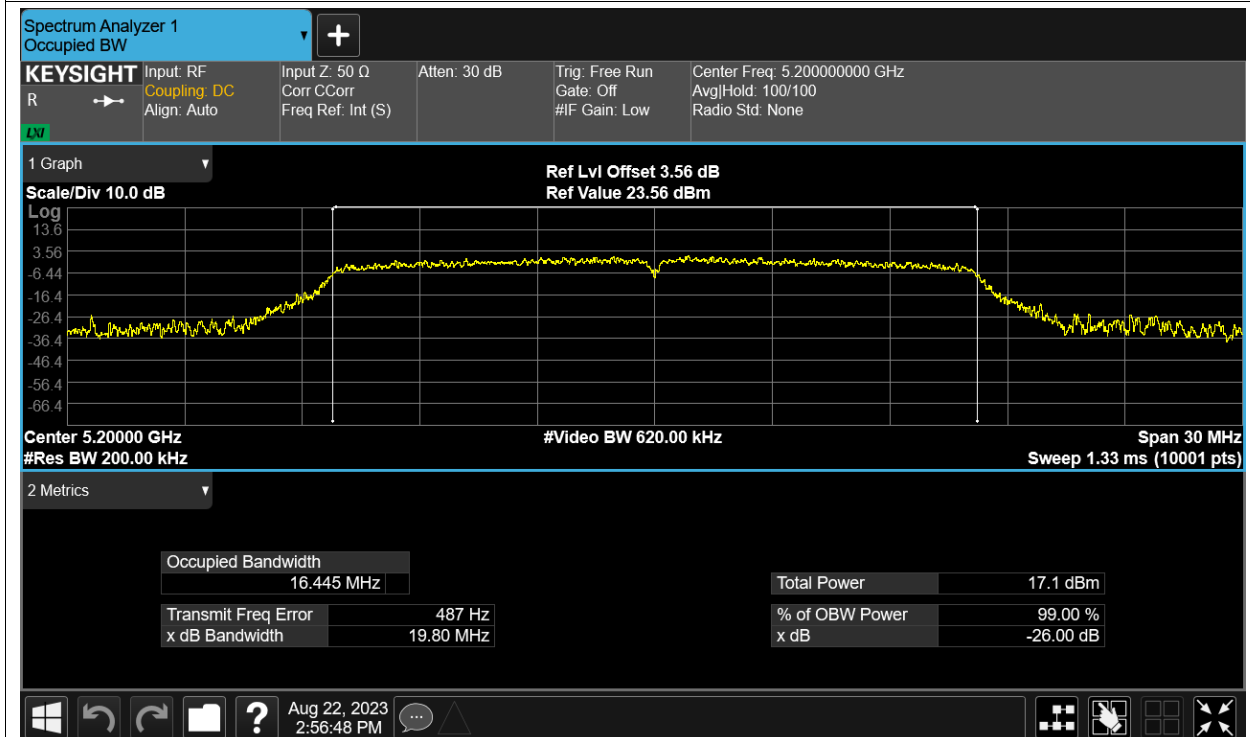
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant12	16.426
NVNT	a	5200	Ant12	16.445
NVNT	a	5240	Ant12	16.417
NVNT	ac20	5180	Ant12	17.587
NVNT	ac20	5200	Ant12	17.574
NVNT	ac20	5240	Ant12	17.576
NVNT	ac40	5190	Ant12	35.975
NVNT	ac40	5230	Ant12	35.96
NVNT	ac80	5210	Ant12	75.105
NVNT	n20	5180	Ant12	17.58
NVNT	n20	5200	Ant12	17.598
NVNT	n20	5240	Ant12	17.586
NVNT	n40	5190	Ant12	35.962
NVNT	n40	5230	Ant12	35.943

Test Graphs

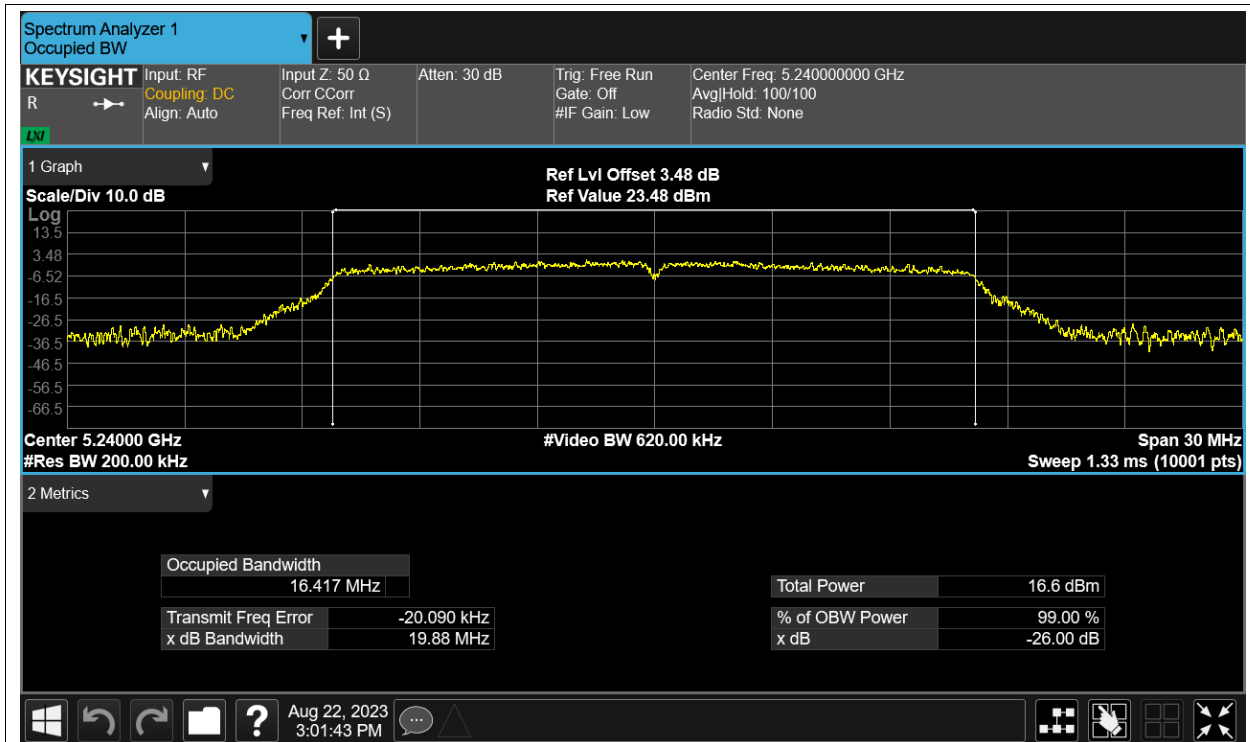
OBW NVNT a 5180MHz Ant12



OBW NVNT a 5200MHz Ant12



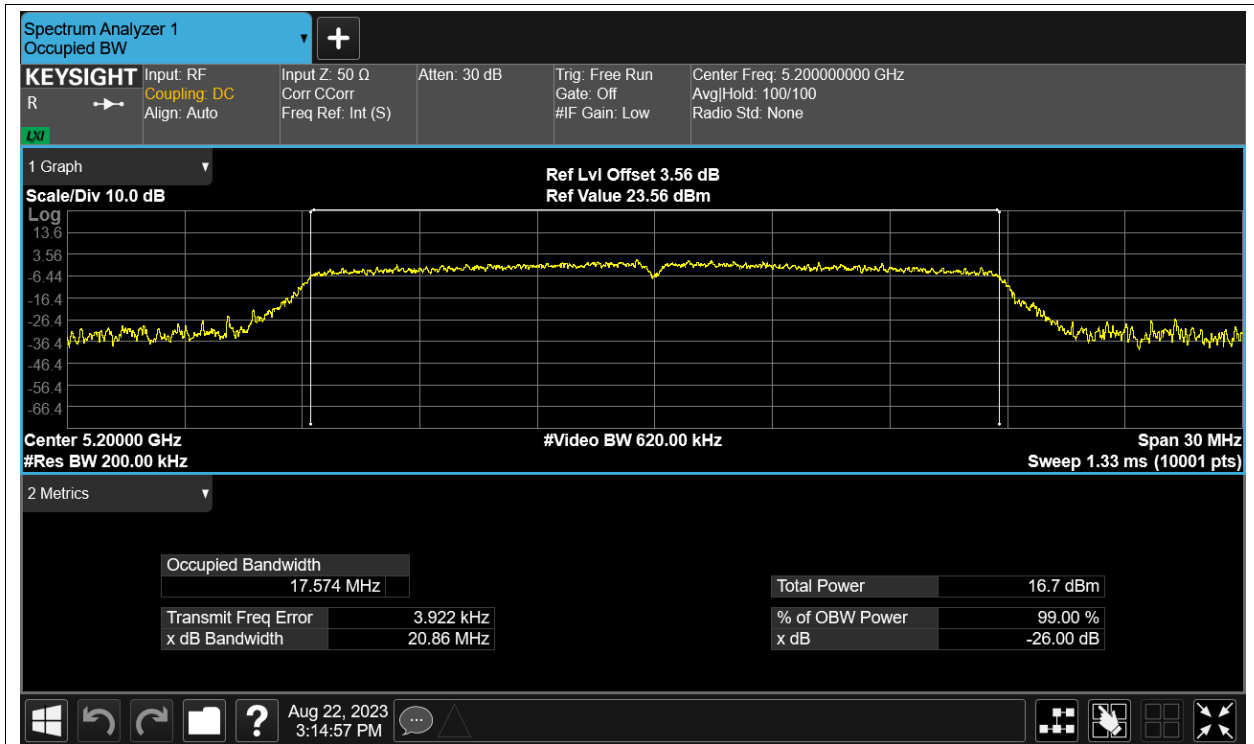
OBW NVNT a 5240MHz Ant12



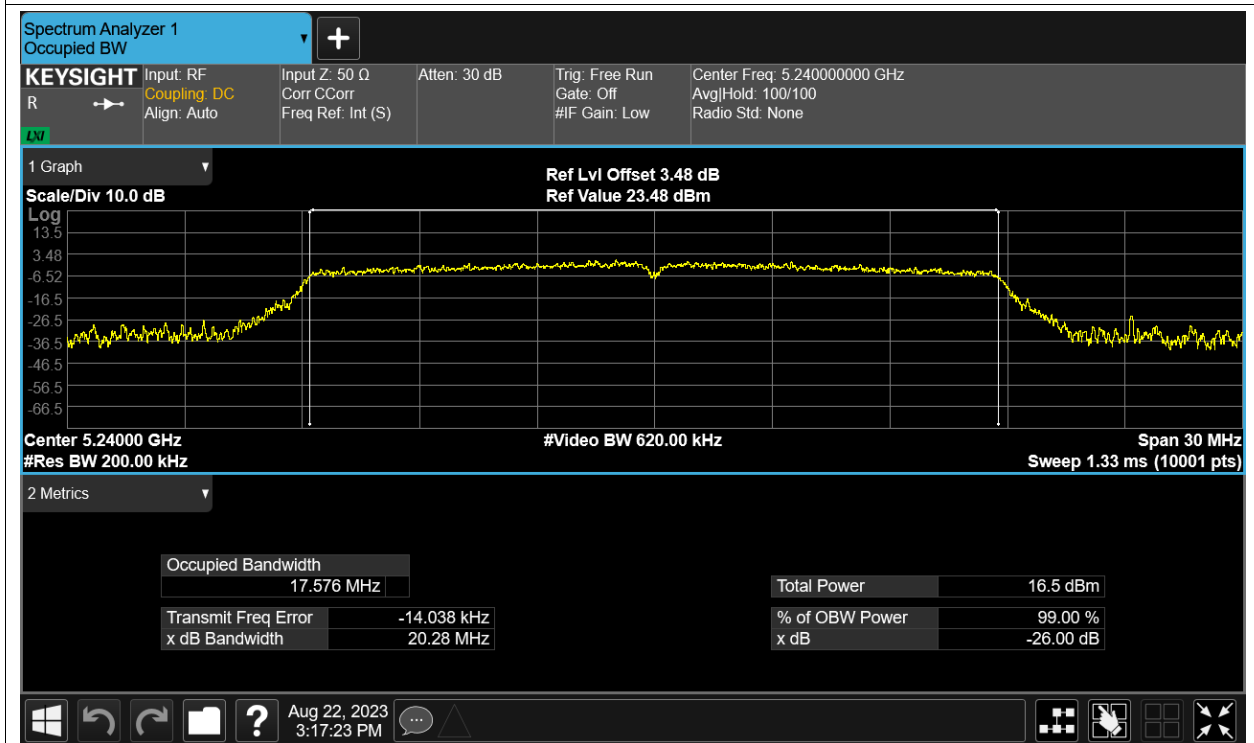
OBW NVNT ac20 5180MHz Ant12



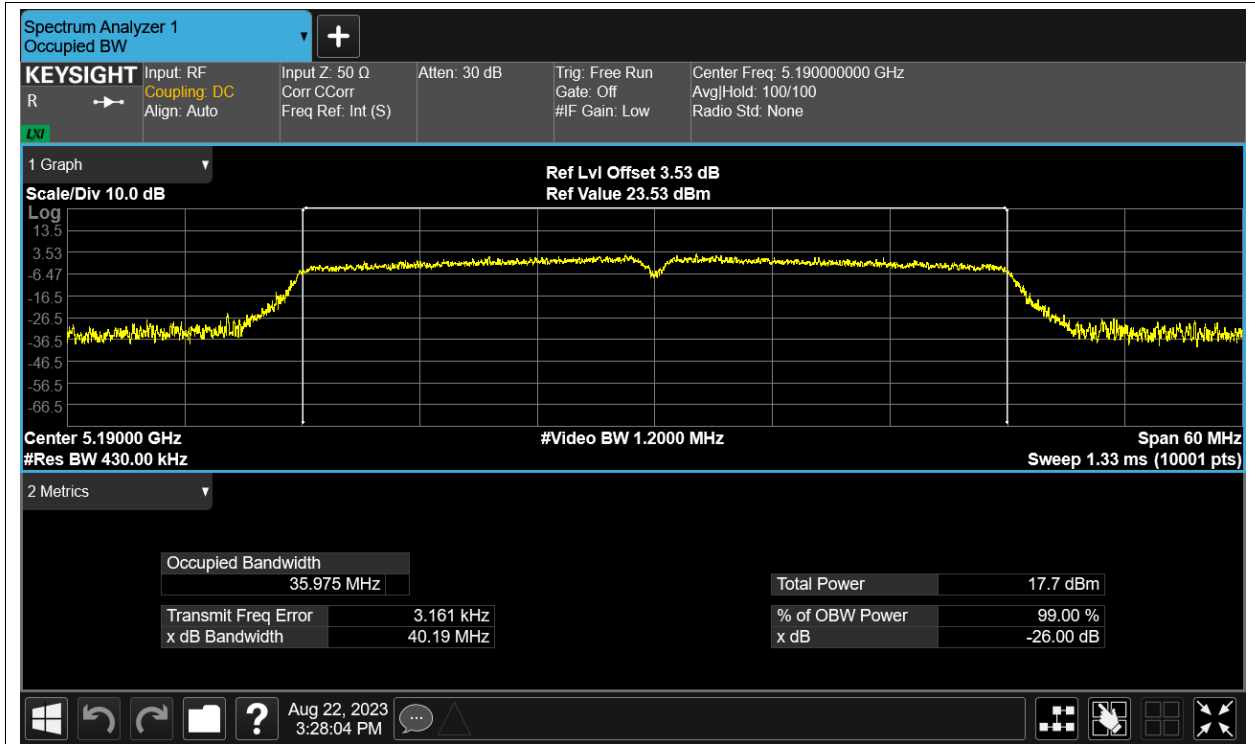
OBW NVNT ac20 5200MHz Ant12



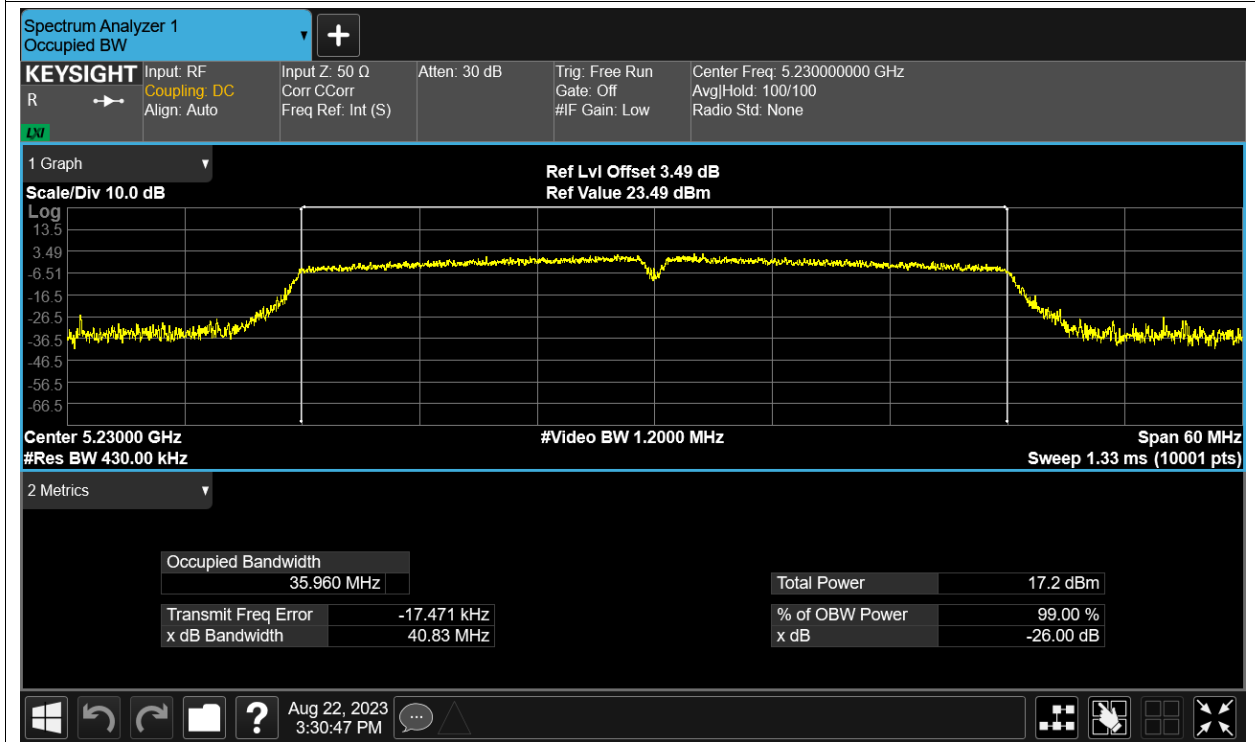
OBW NVNT ac20 5240MHz Ant12



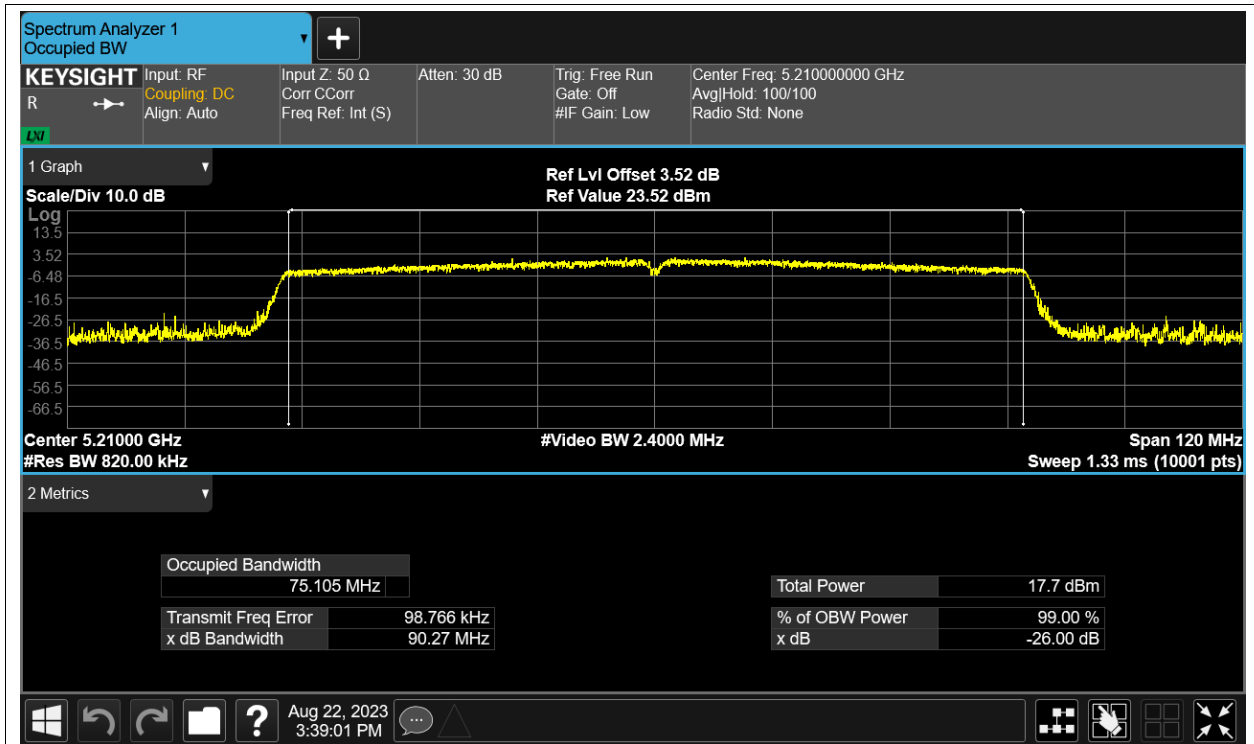
OBW NVNT ac40 5190MHz Ant12



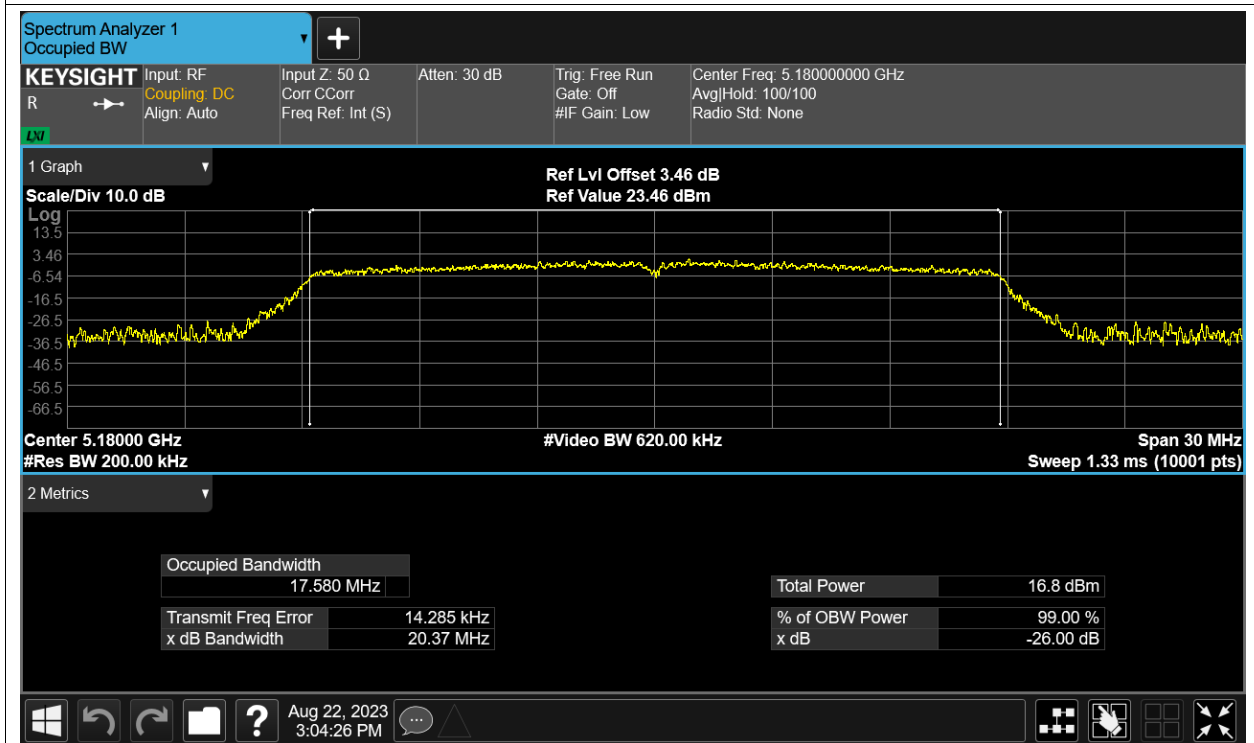
OBW NVNT ac40 5230MHz Ant12



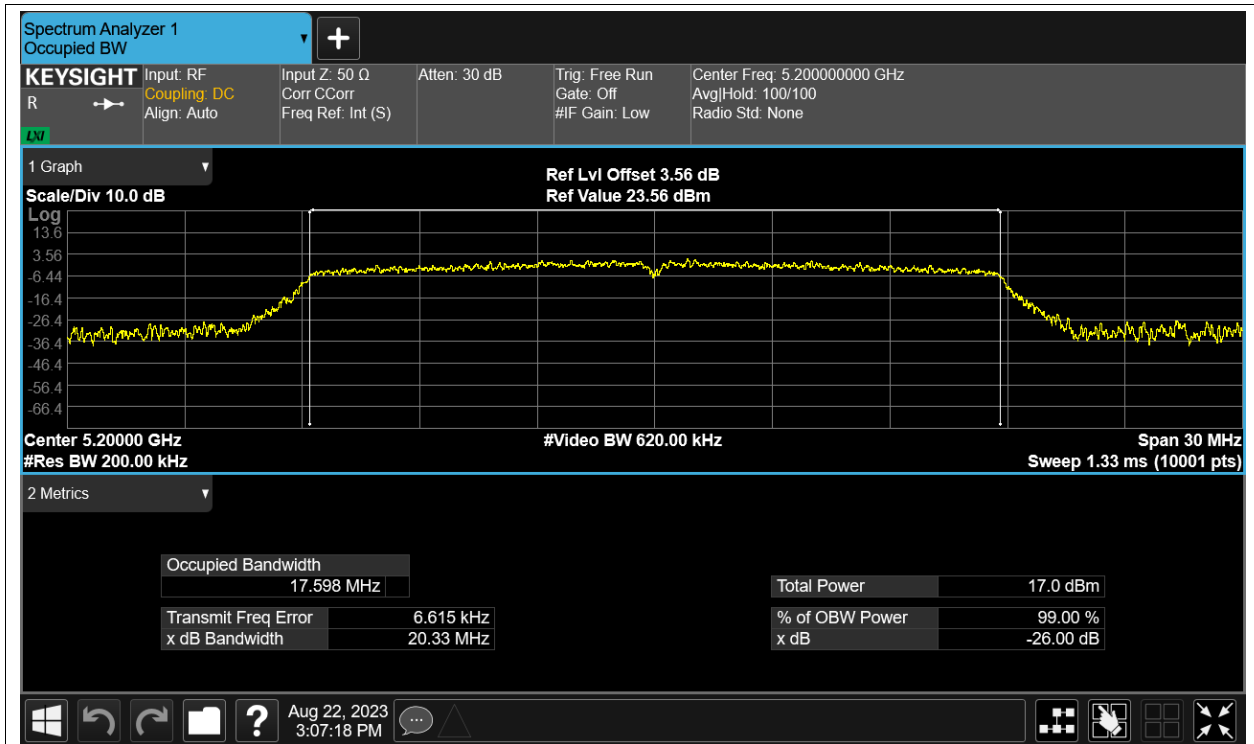
OBW NVNT ac80 5210MHz Ant12



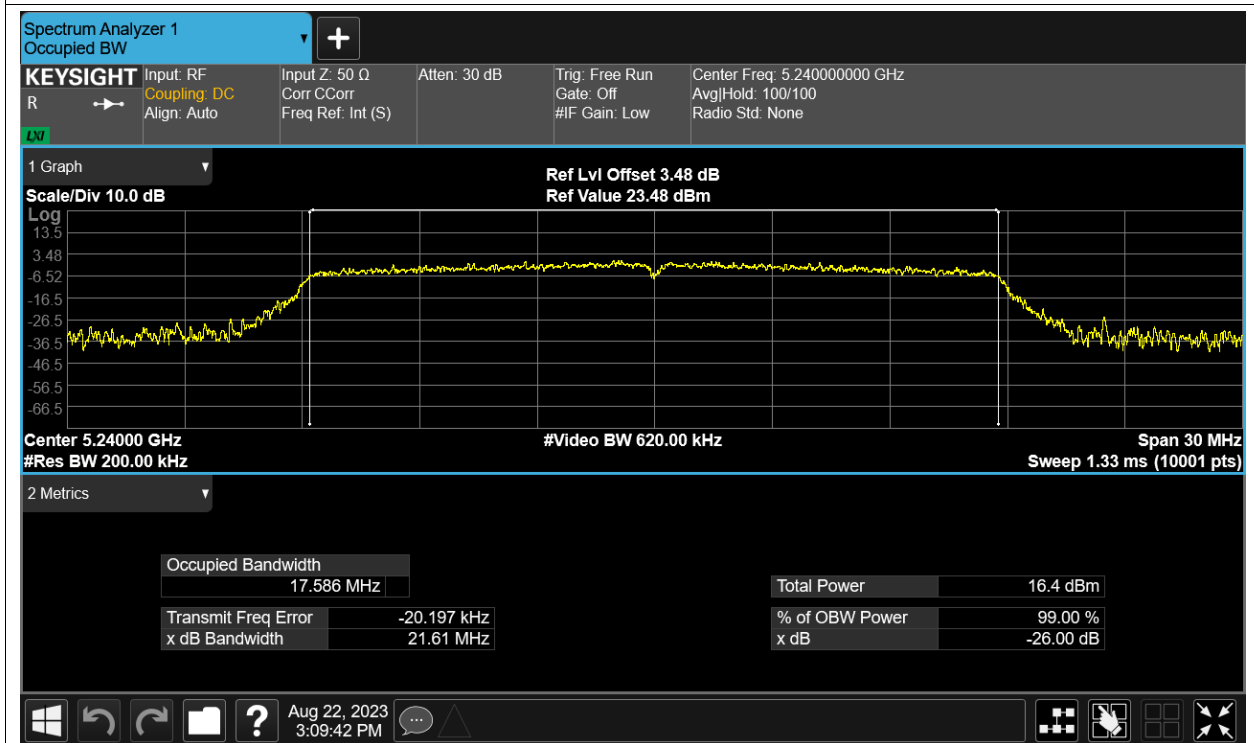
OBW NVNT n20 5180MHz Ant12



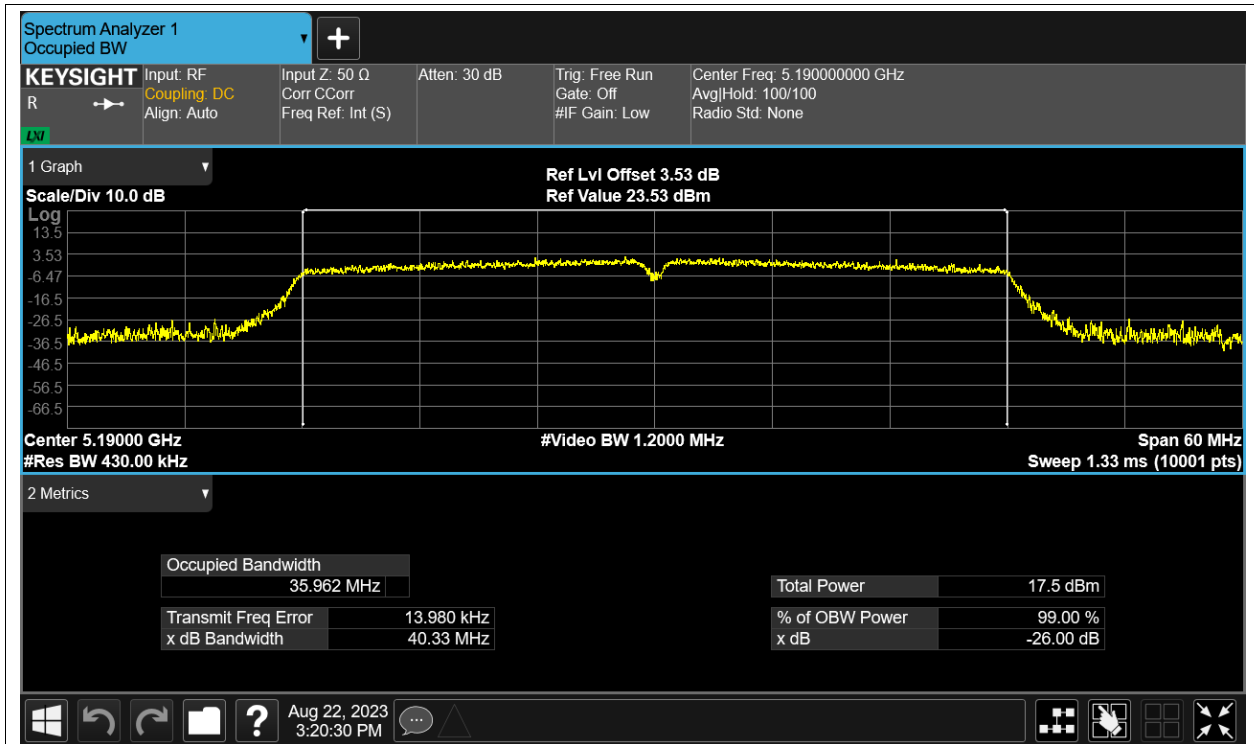
OBW NVNT n20 5200MHz Ant12



OBW NVNT n20 5240MHz Ant12



OBW NVNT n40 5190MHz Ant12



OBW NVNT n40 5230MHz Ant12

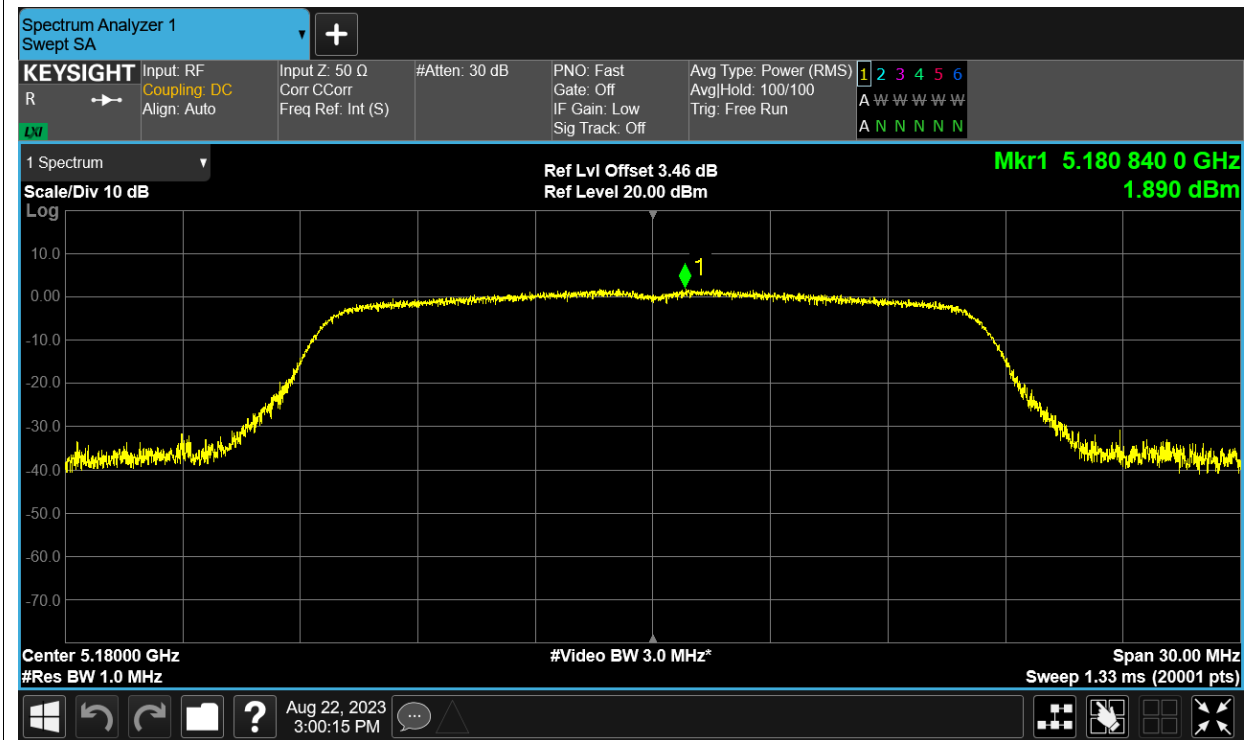


Maximum Power Spectral Density Level

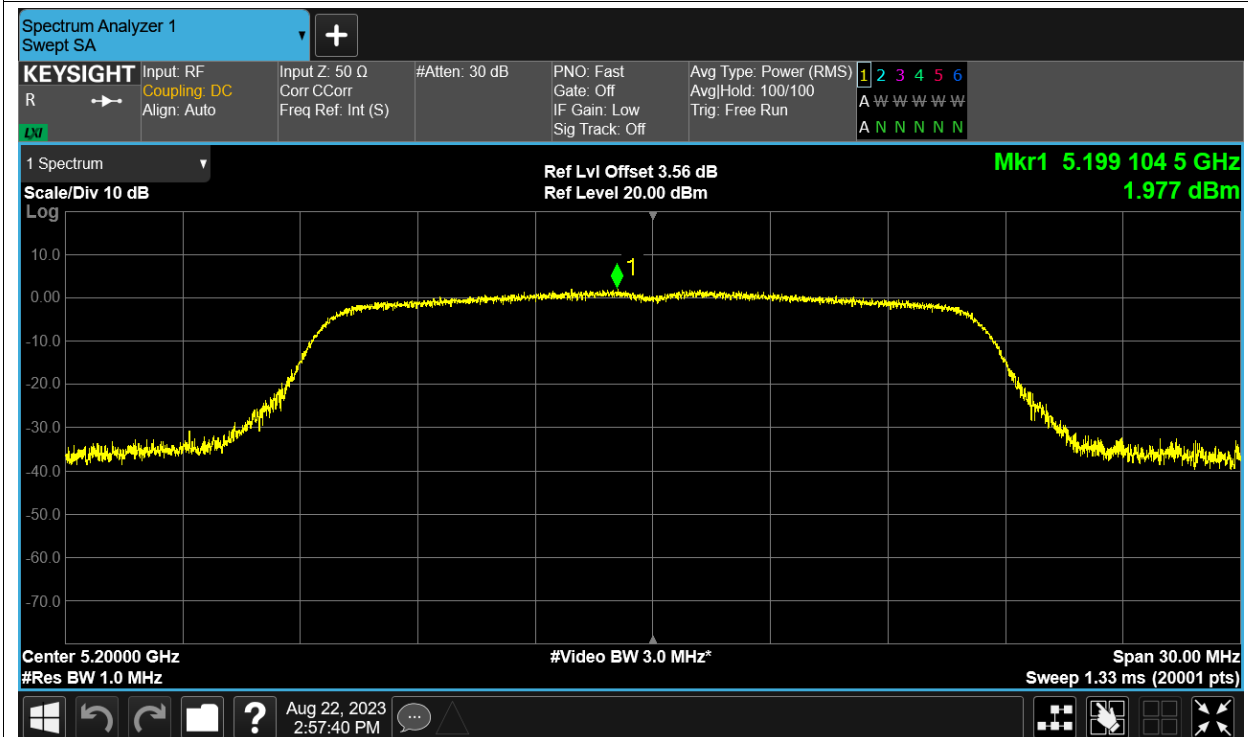
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant12	1.89	11	Pass
NVNT	a	5200	Ant12	1.977	11	Pass
NVNT	a	5240	Ant12	1.866	11	Pass
NVNT	ac20	5180	Ant12	1.524	11	Pass
NVNT	ac20	5200	Ant12	1.507	11	Pass
NVNT	ac20	5240	Ant12	1.375	11	Pass
NVNT	ac40	5190	Ant12	-0.646	11	Pass
NVNT	ac40	5230	Ant12	-1.219	11	Pass
NVNT	ac80	5210	Ant12	-4.584	11	Pass
NVNT	n20	5180	Ant12	1.333	11	Pass
NVNT	n20	5200	Ant12	1.692	11	Pass
NVNT	n20	5240	Ant12	1.151	11	Pass
NVNT	n40	5190	Ant12	-0.96	11	Pass
NVNT	n40	5230	Ant12	-0.865	11	Pass

Test Graphs

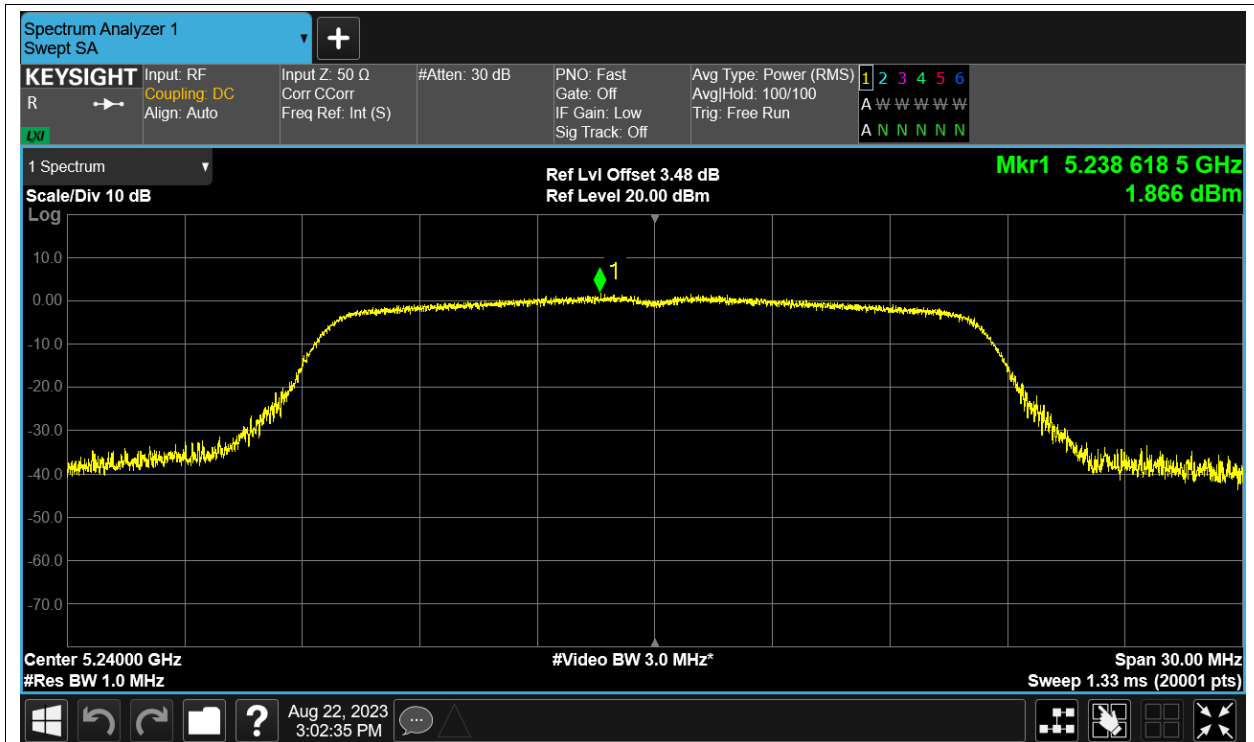
PSD NVNT a 5180MHz Ant12



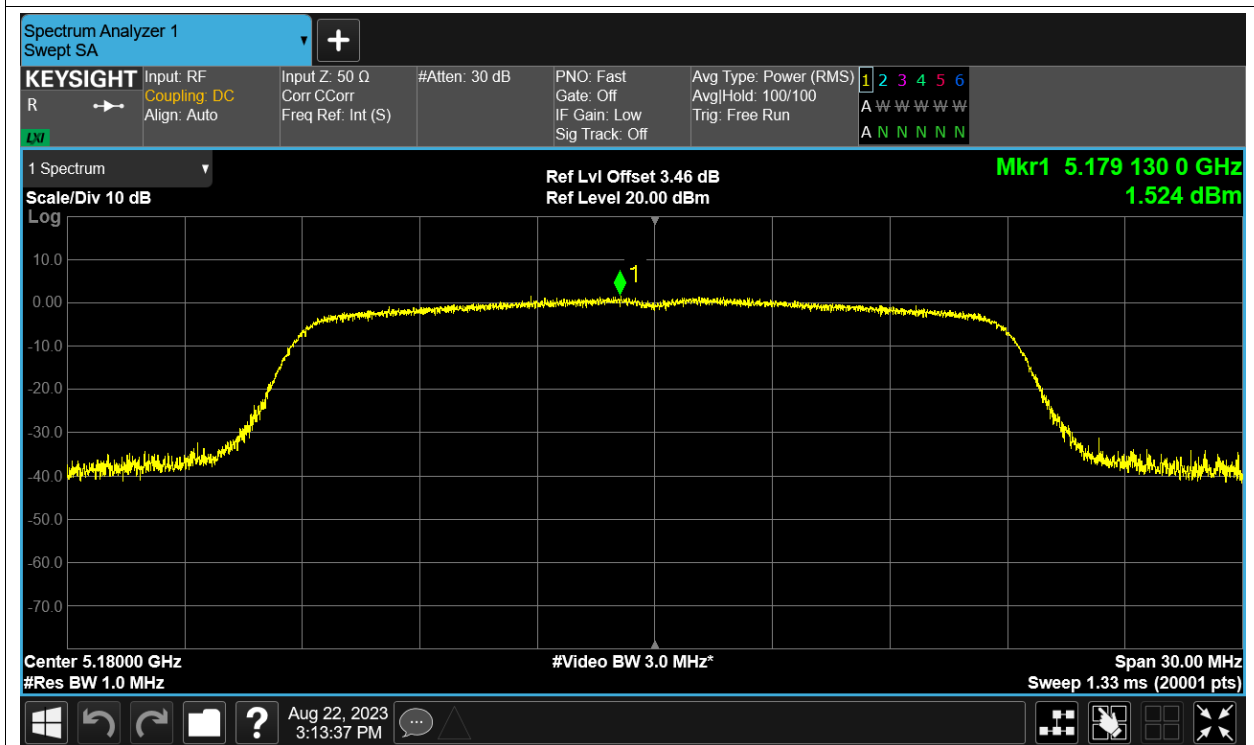
PSD NVNT a 5200MHz Ant12



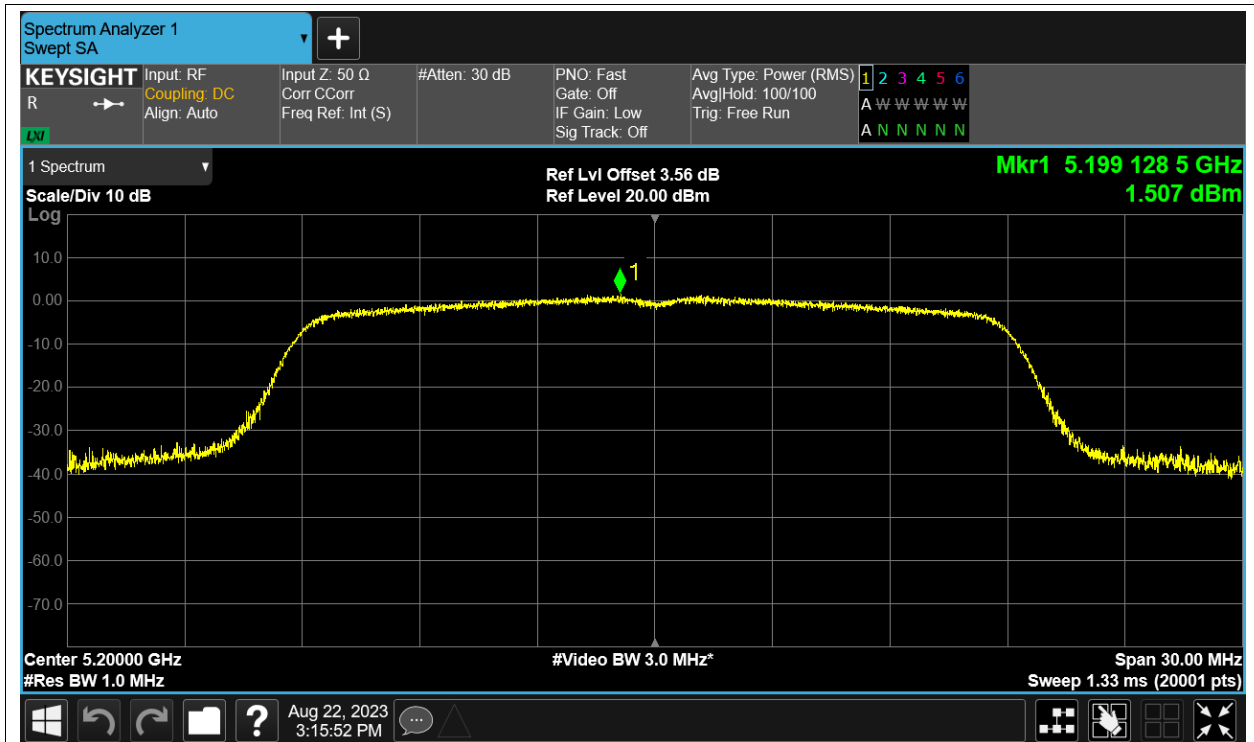
PSD NVNT a 5240MHz Ant12



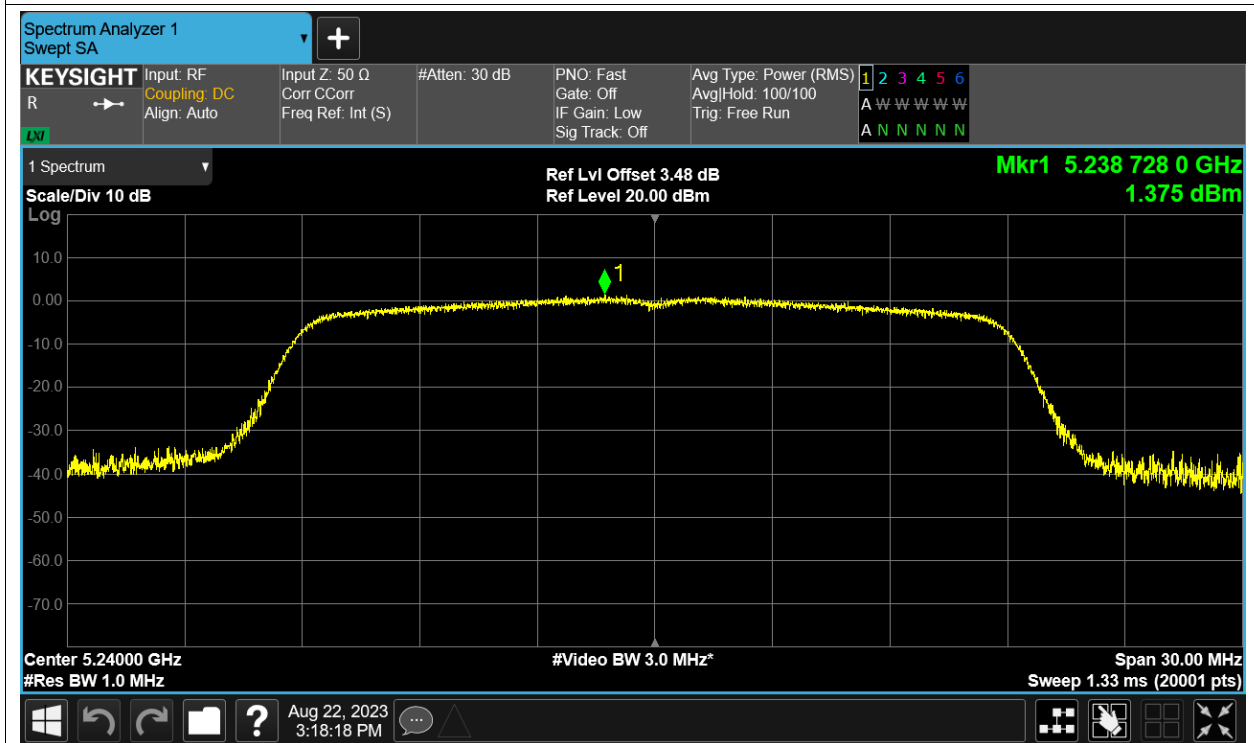
PSD NVNT ac20 5180MHz Ant12



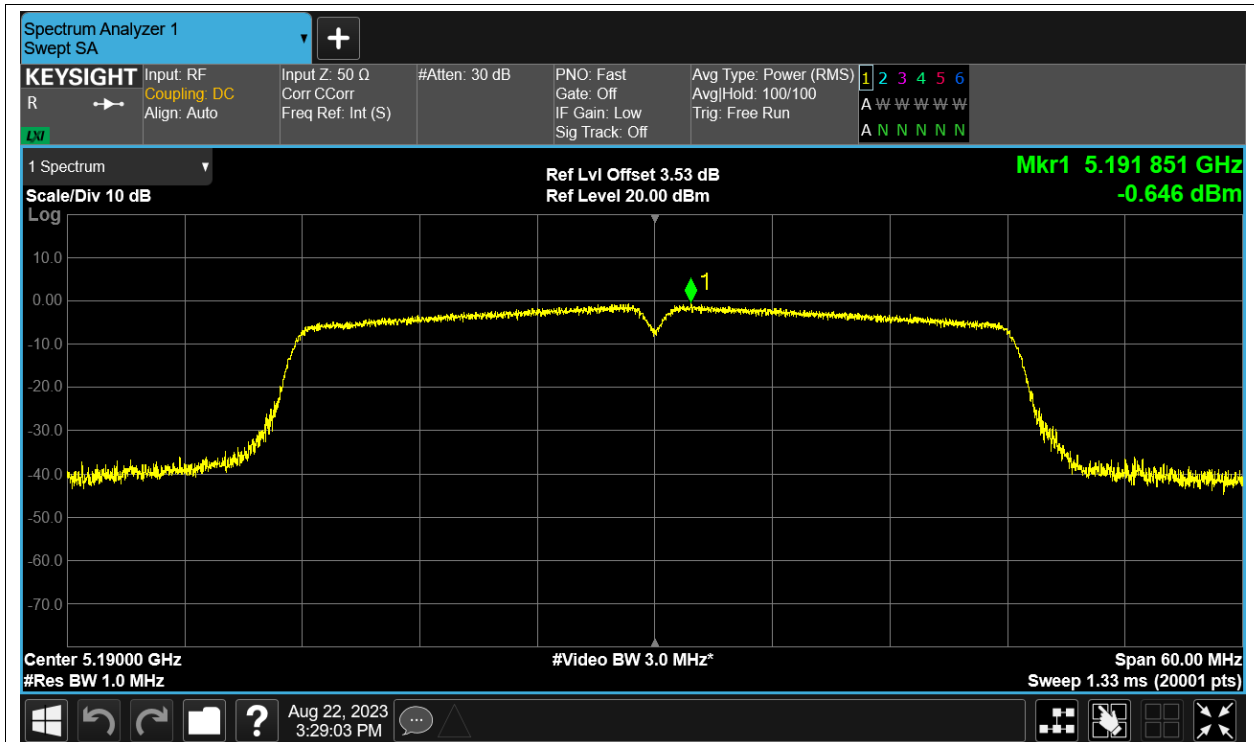
PSD NVNT ac20 5200MHz Ant12



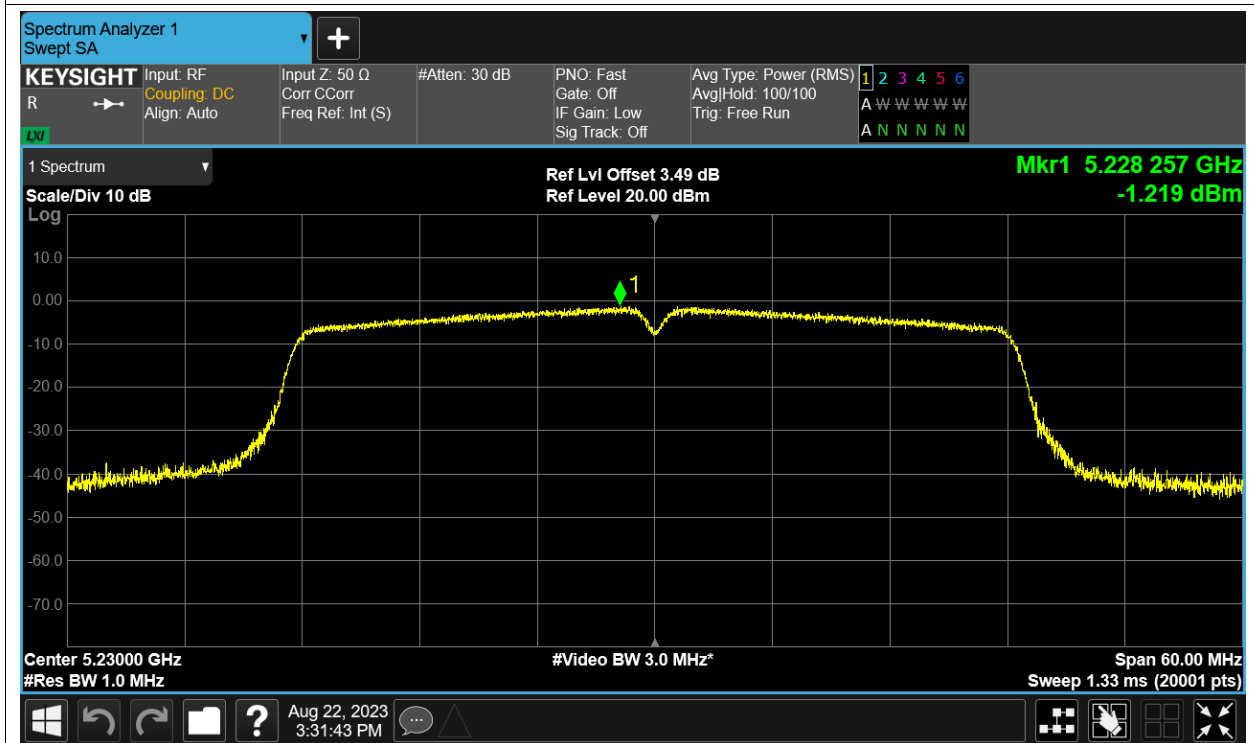
PSD NVNT ac20 5240MHz Ant12



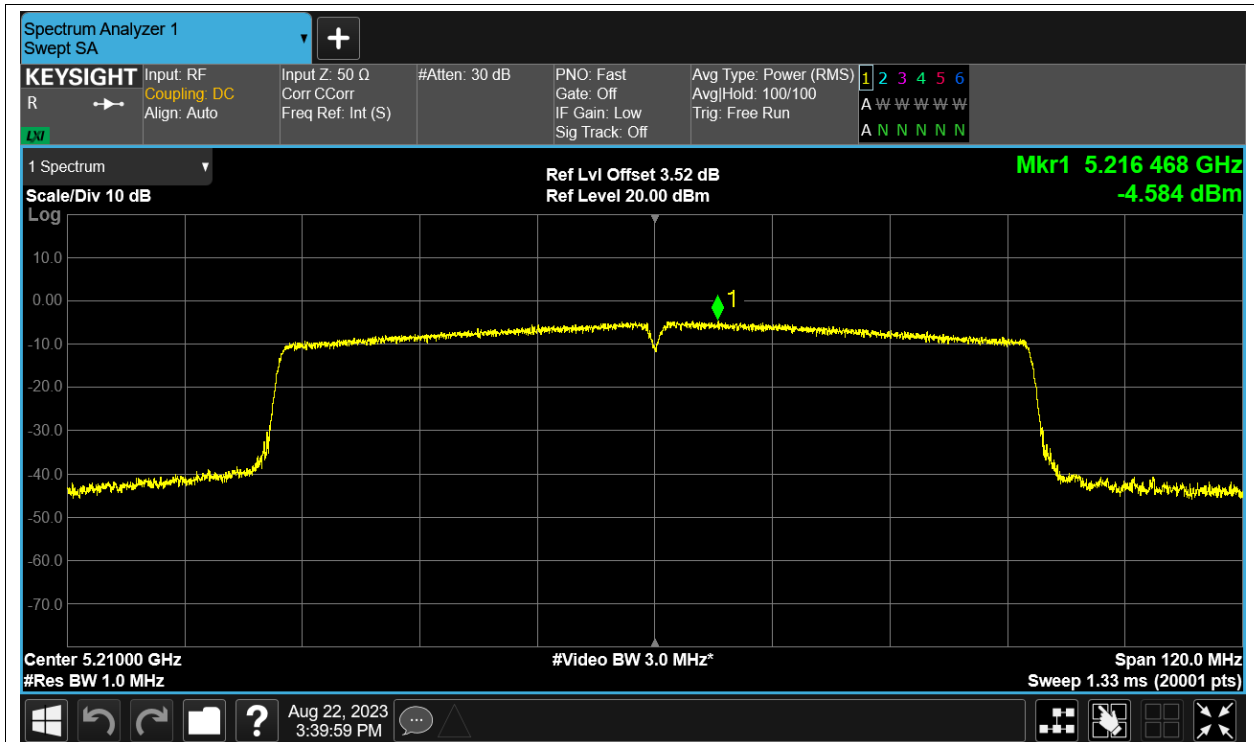
PSD NVNT ac40 5190MHz Ant12



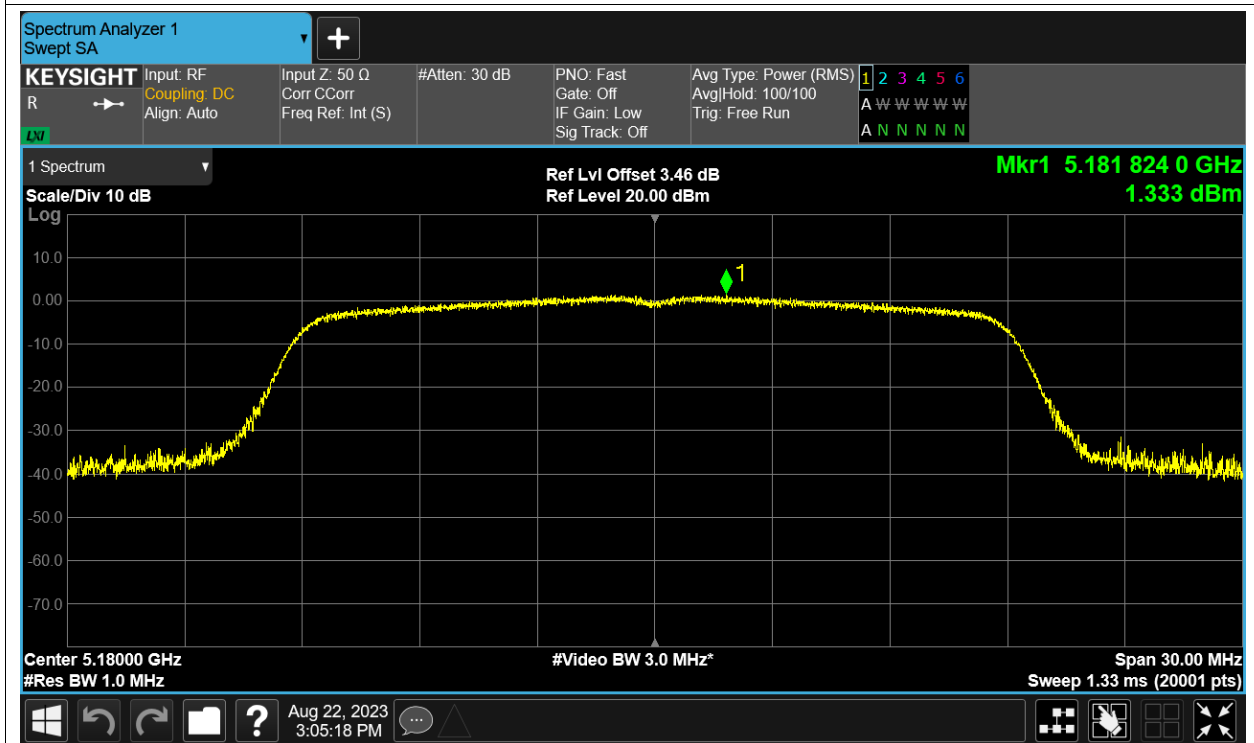
PSD NVNT ac40 5230MHz Ant12



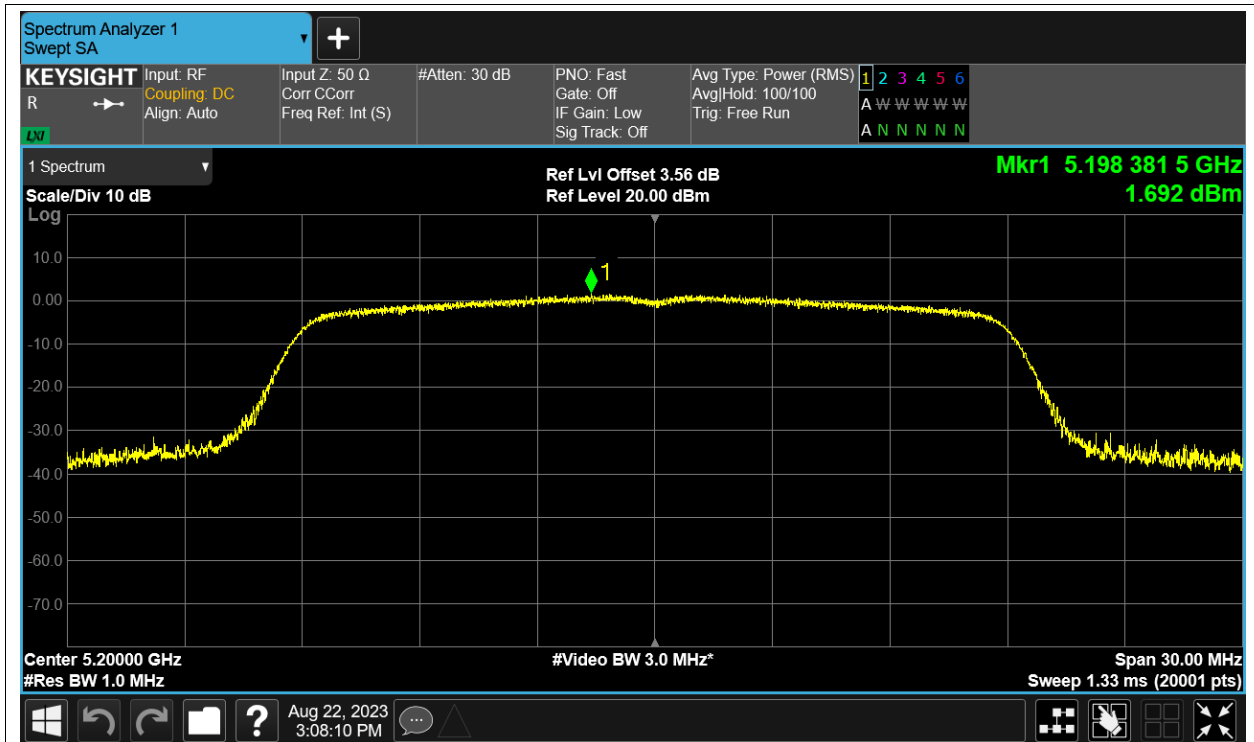
PSD NVNT ac80 5210MHz Ant12



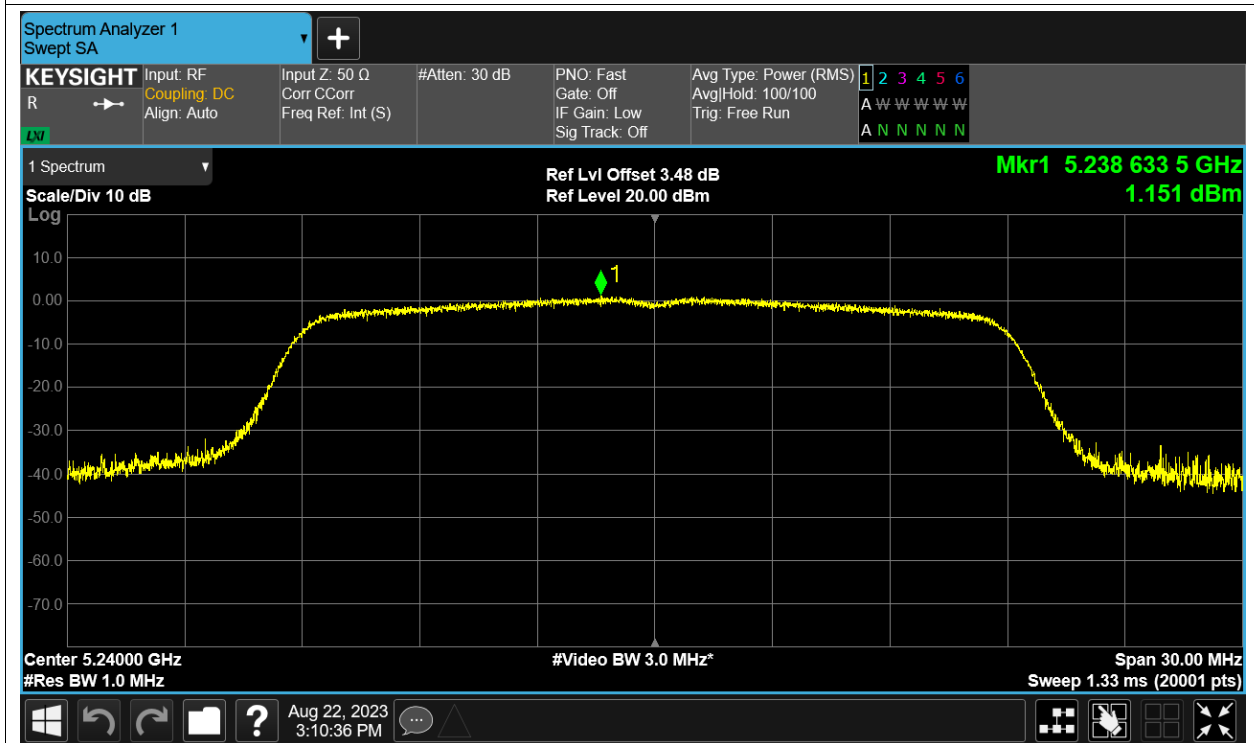
PSD NVNT n20 5180MHz Ant12



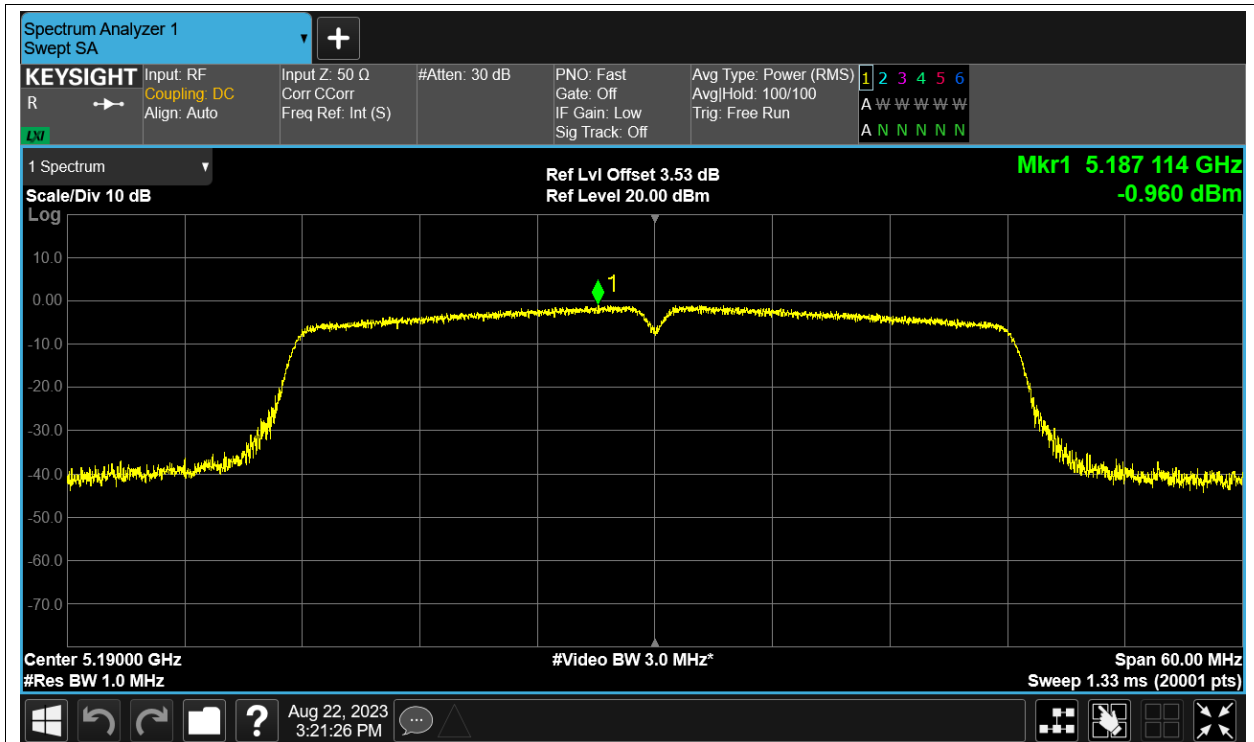
PSD NVNT n20 5200MHz Ant12



PSD NVNT n20 5240MHz Ant12



PSD NVNT n40 5190MHz Ant12



PSD NVNT n40 5230MHz Ant12

