

Test Data

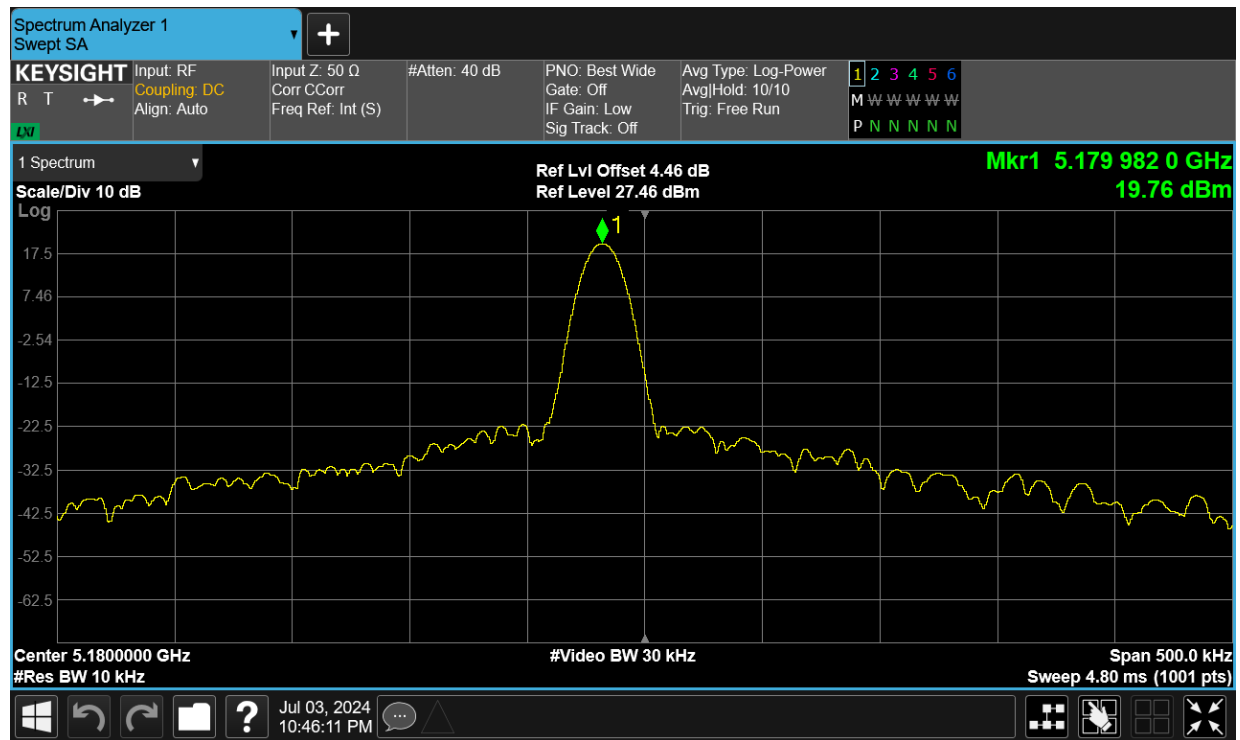
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	ANT13	5179.982	-3.47	Within authorized band	Pass
LVNT	a	5180	ANT13	5179.982	-3.47		Pass
NVHT	a	5180	ANT13	5179.982	-3.47		Pass
NVLT	a	5180	ANT13	5179.982	-3.47		Pass
NVNT	a	5180	ANT13	5179.983	-3.28		Pass
HVNT	ac80	5210	ANT13	5209.9825	-3.36		Pass
LVNT	ac80	5210	ANT13	5209.9825	-3.36		Pass
NVHT	ac80	5210	ANT13	5209.9825	-3.36		Pass
NVLT	ac80	5210	ANT13	5209.983	-3.26		Pass
NVNT	ac80	5210	ANT13	5209.983798604	-3.11		Pass
HVNT	n40	5190	ANT13	5189.982	-3.47		Pass
LVNT	n40	5190	ANT13	5189.982	-3.47		Pass
NVHT	n40	5190	ANT13	5189.982	-3.47		Pass
NVLT	n40	5190	ANT13	5189.982	-3.47		Pass
NVNT	n40	5190	ANT13	5189.983	-3.28		Pass

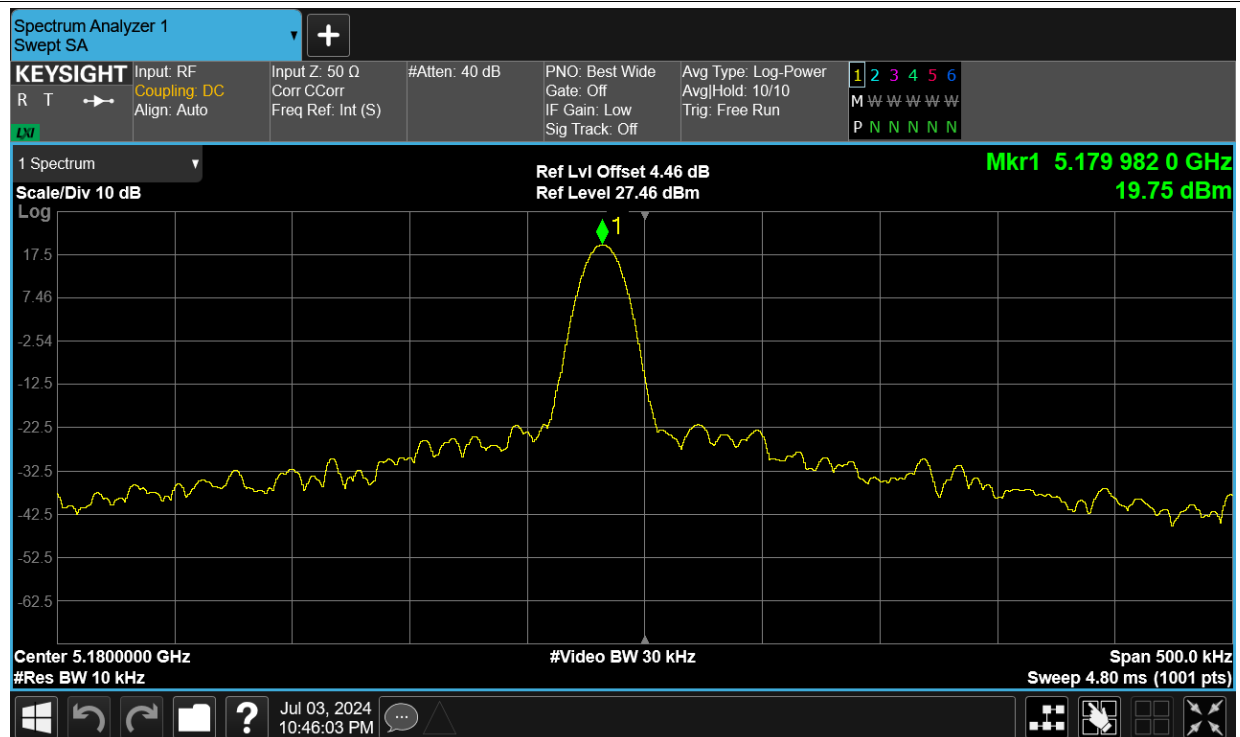
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

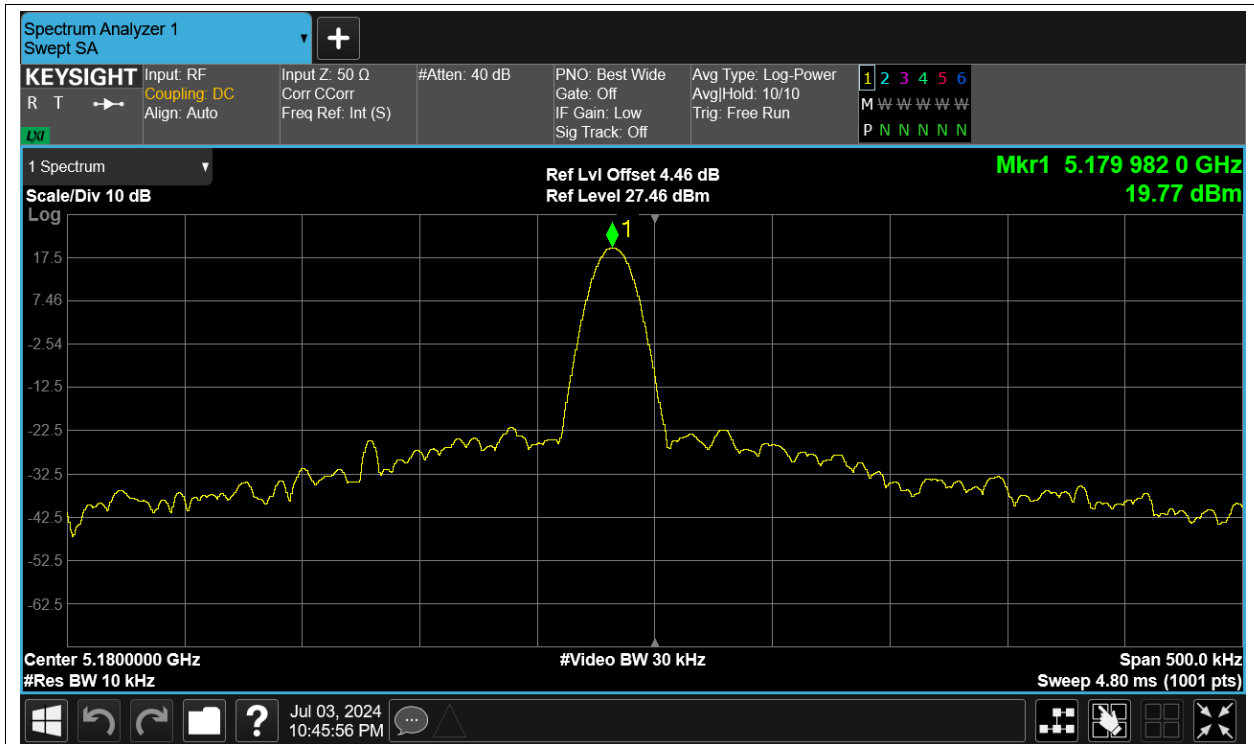
Freq. Stability HVNT a 5180MHz ANT13



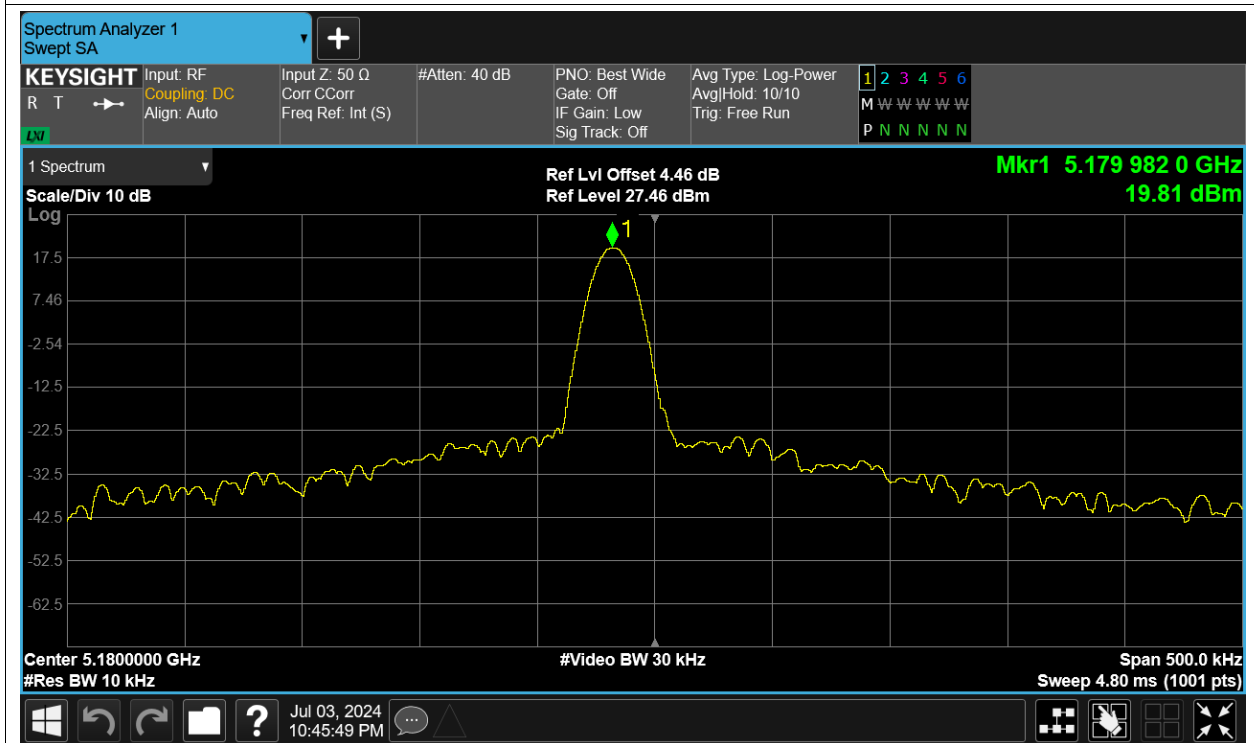
Freq. Stability LVNT a 5180MHz ANT13



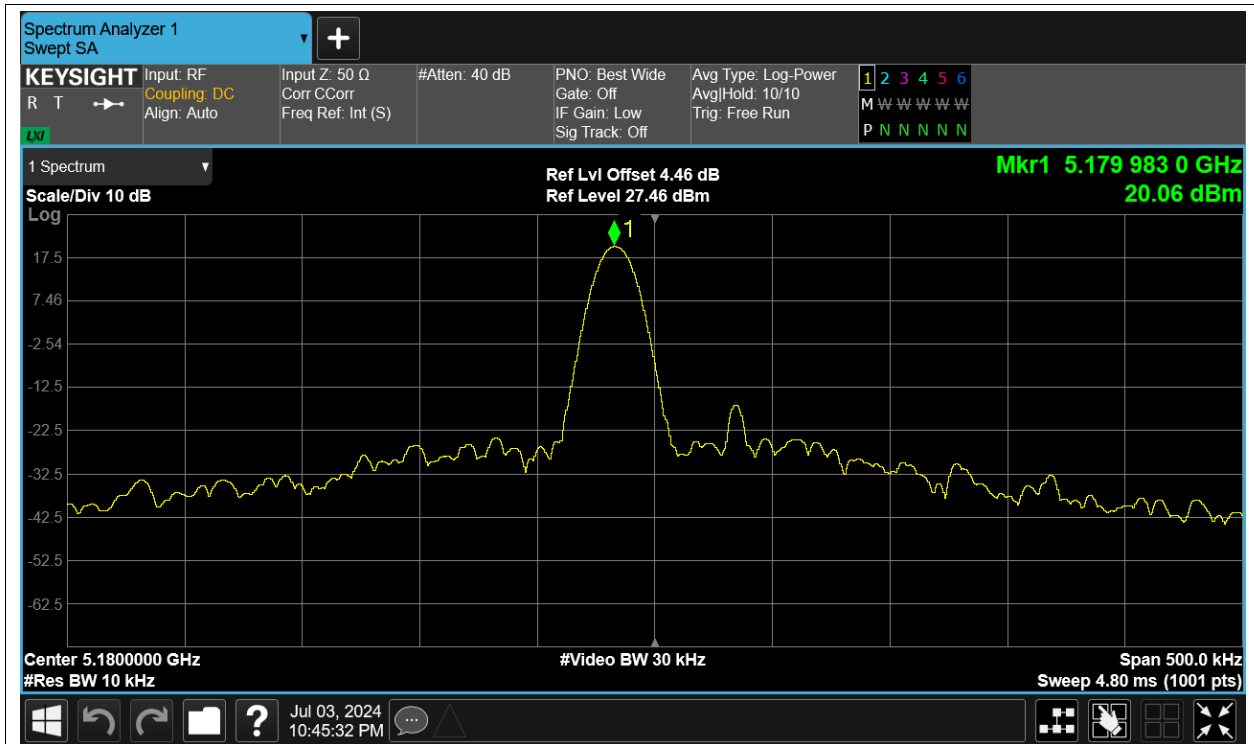
Freq. Stability NVHT a 5180MHz ANT13



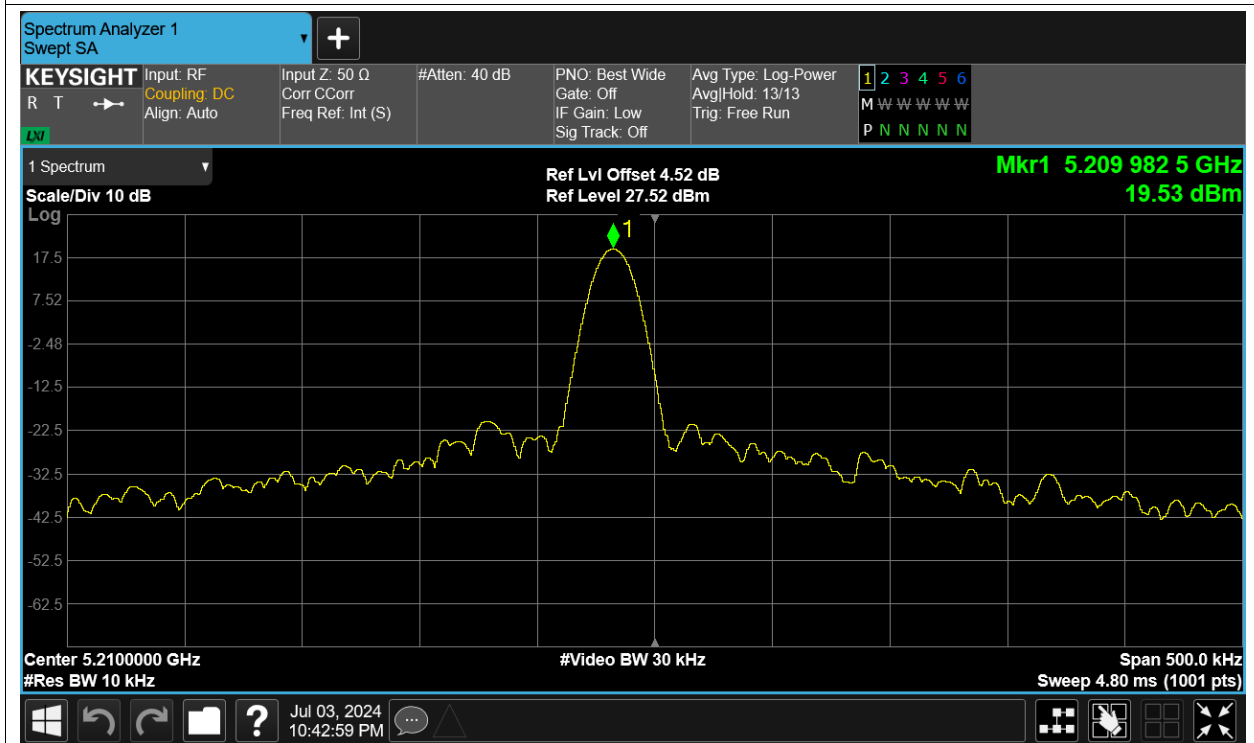
Freq. Stability NVLT a 5180MHz ANT13



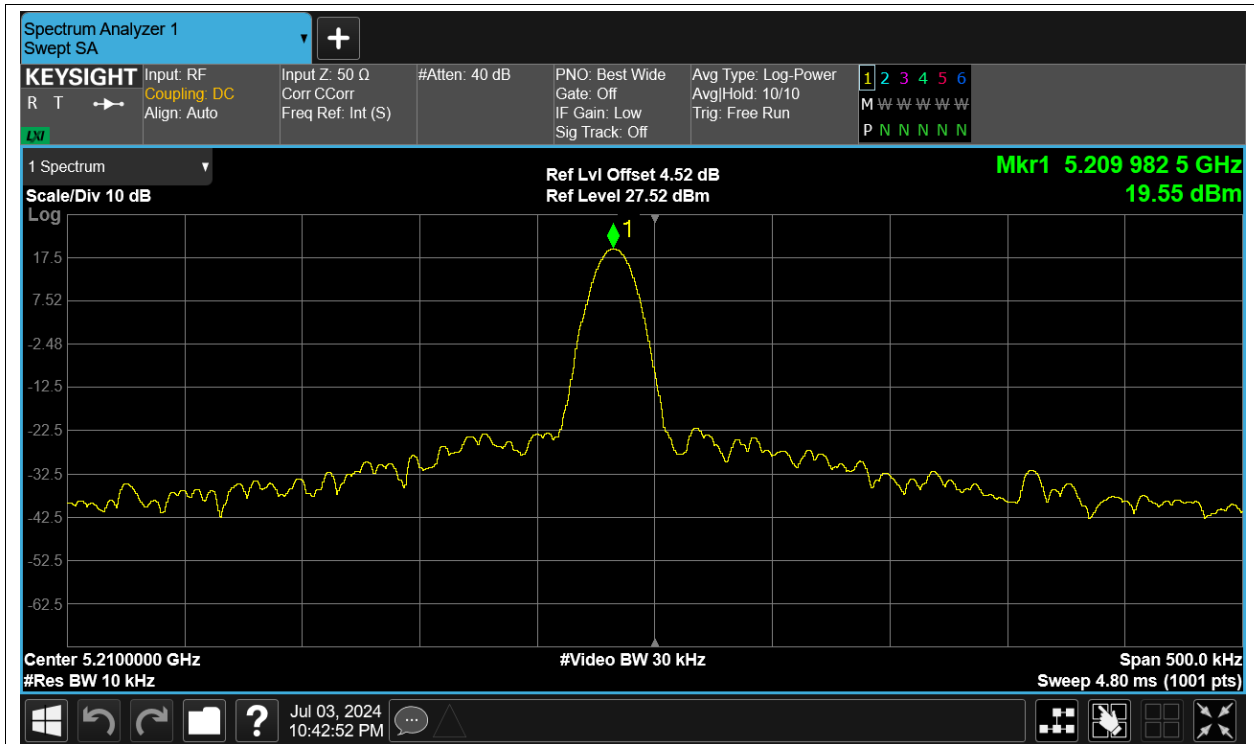
Freq. Stability NVNT a 5180MHz ANT13



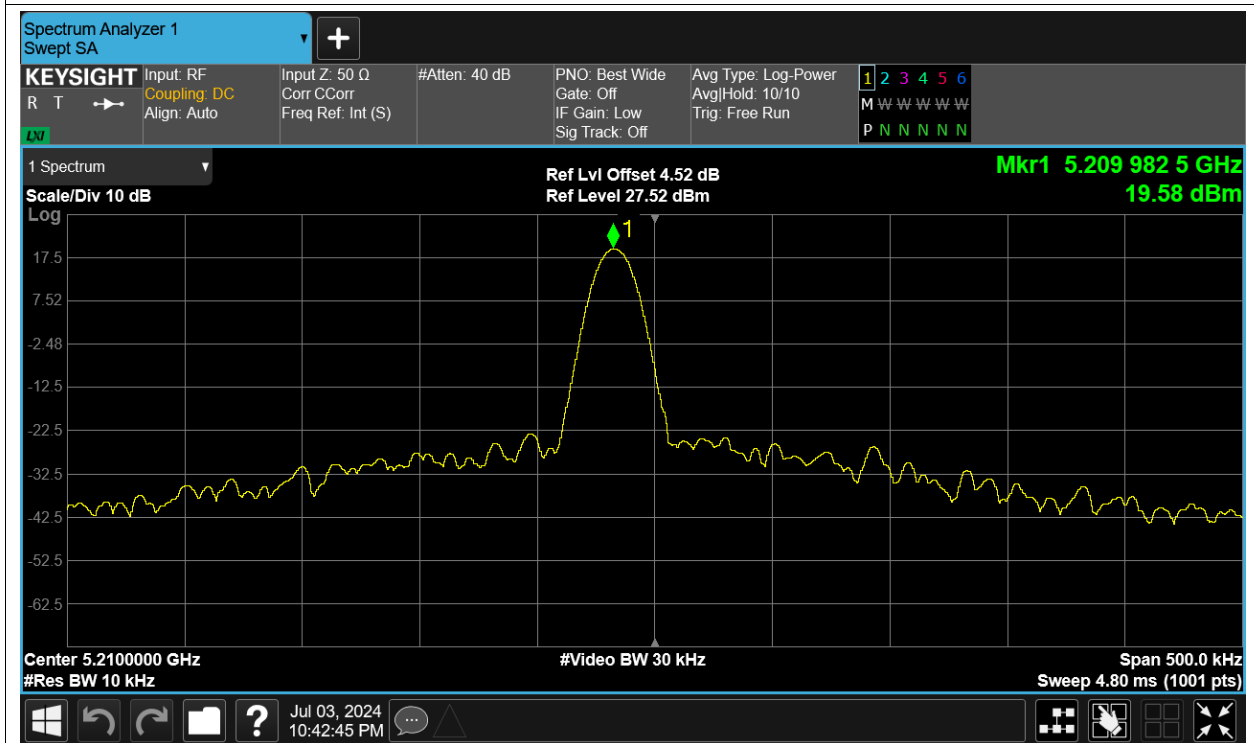
Freq. Stability HVNT ac80 5210MHz ANT13



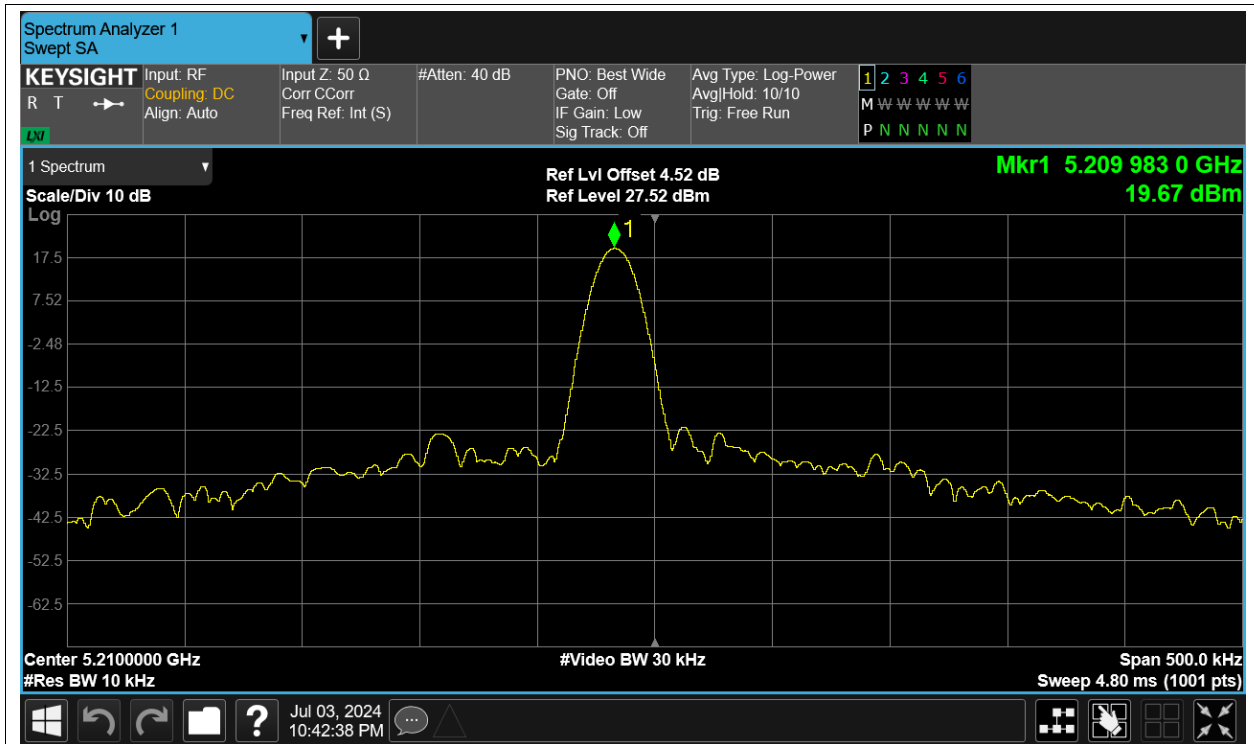
Freq. Stability LVNT ac80 5210MHz ANT13



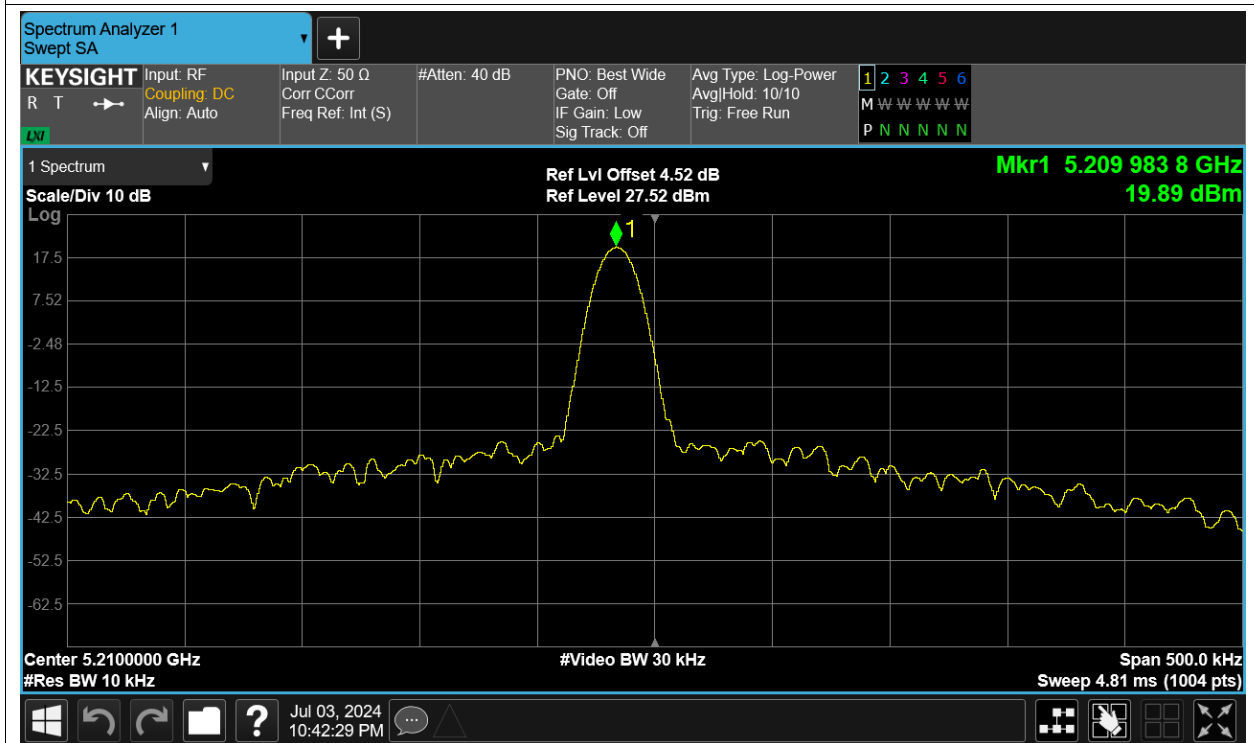
Freq. Stability NVHT ac80 5210MHz ANT13



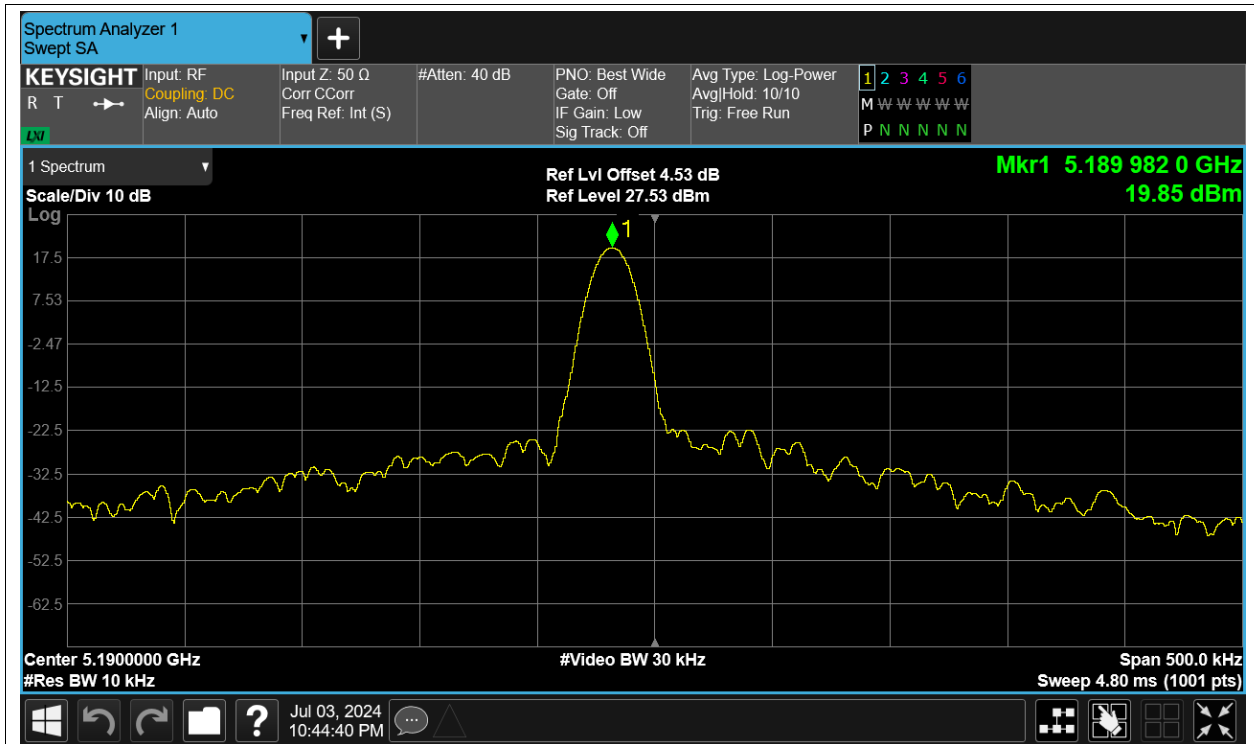
Freq. Stability NVLT ac80 5210MHz ANT13



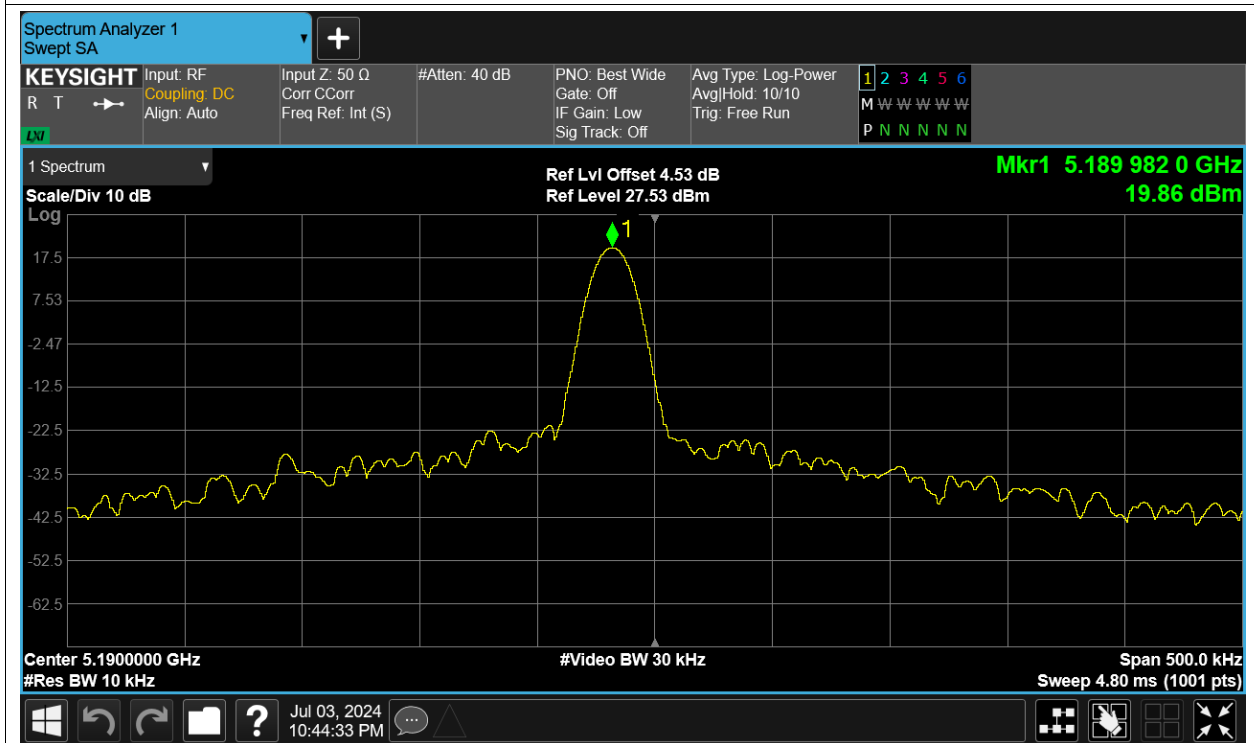
Freq. Stability NVNT ac80 5210MHz ANT13



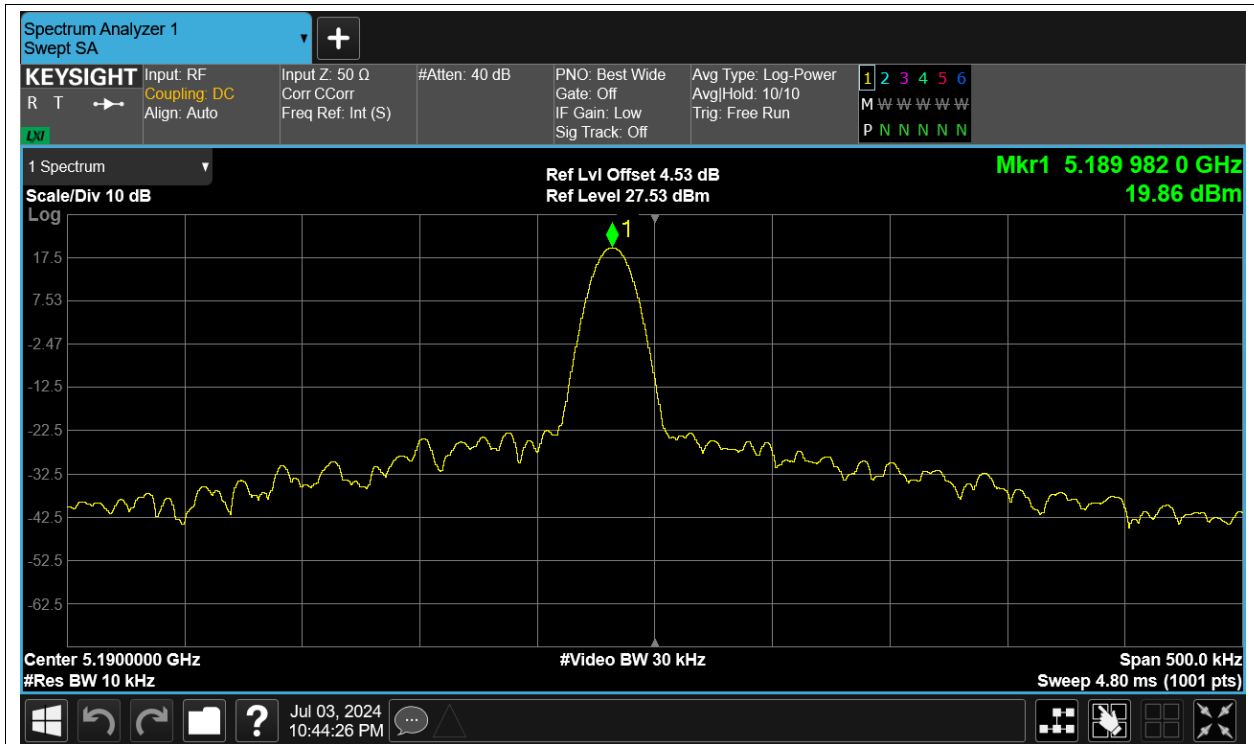
Freq. Stability HVNT n40 5190MHz ANT13



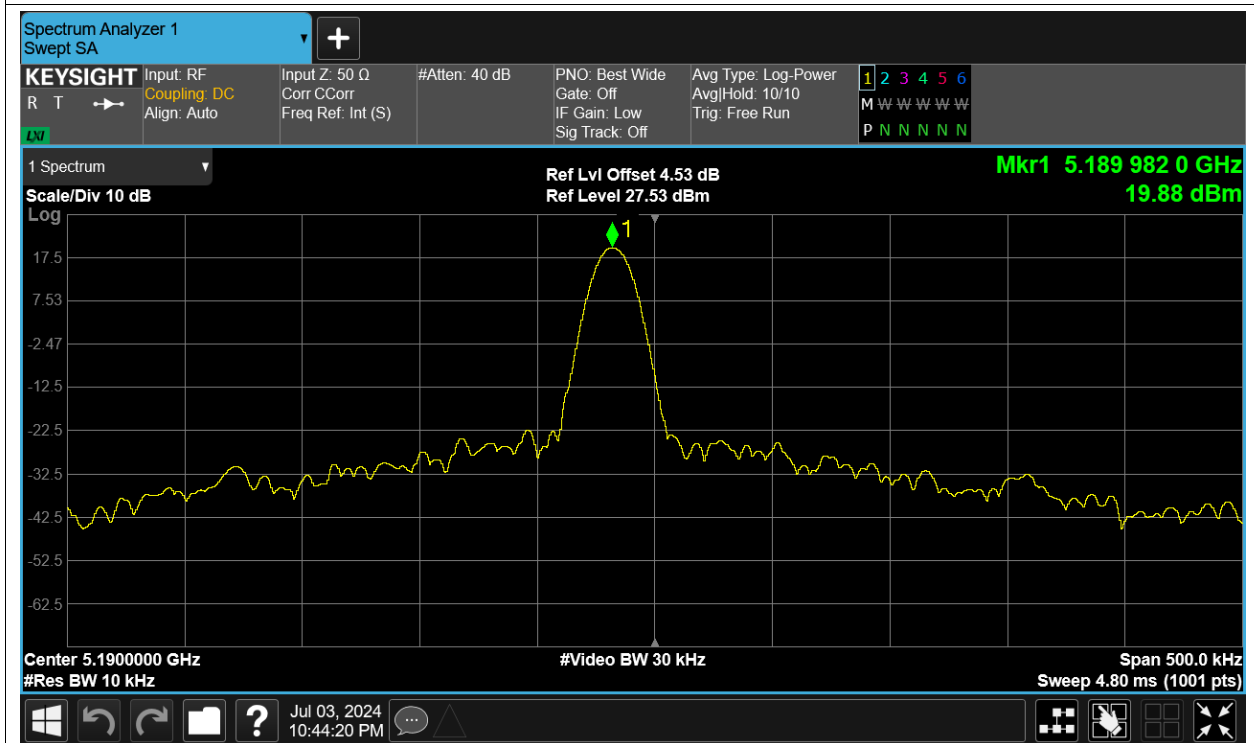
Freq. Stability LVNT n40 5190MHz ANT13



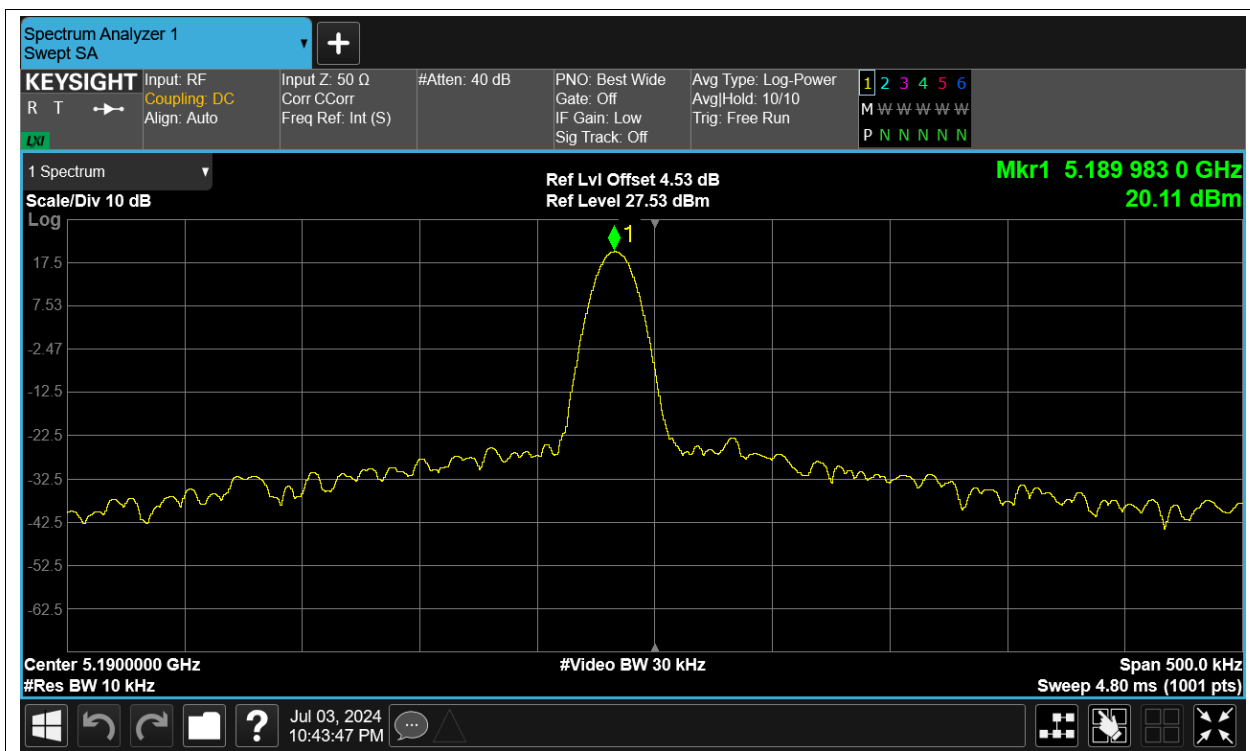
Freq. Stability NVHT n40 5190MHz ANT13



Freq. Stability NVLT n40 5190MHz ANT13

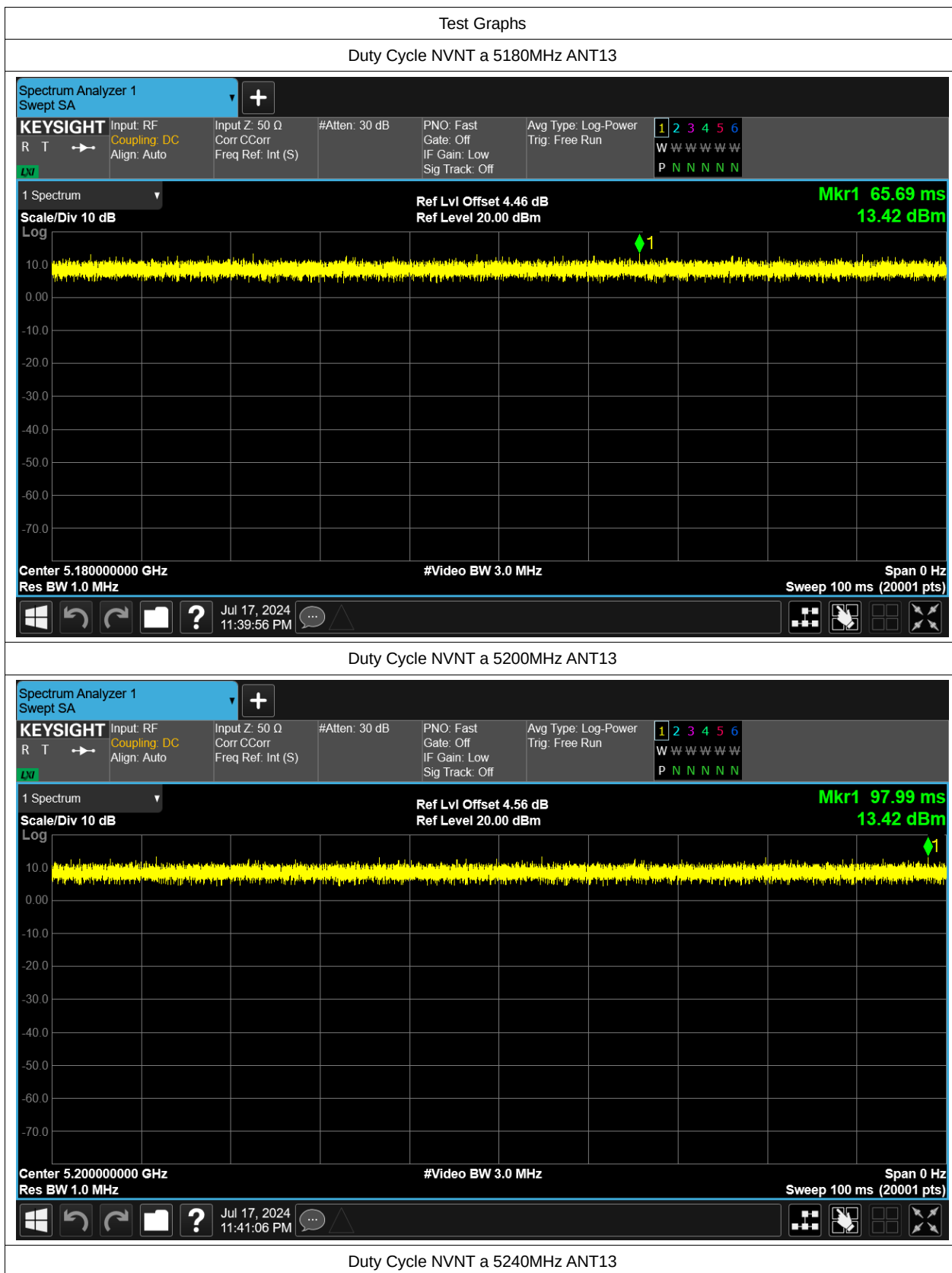


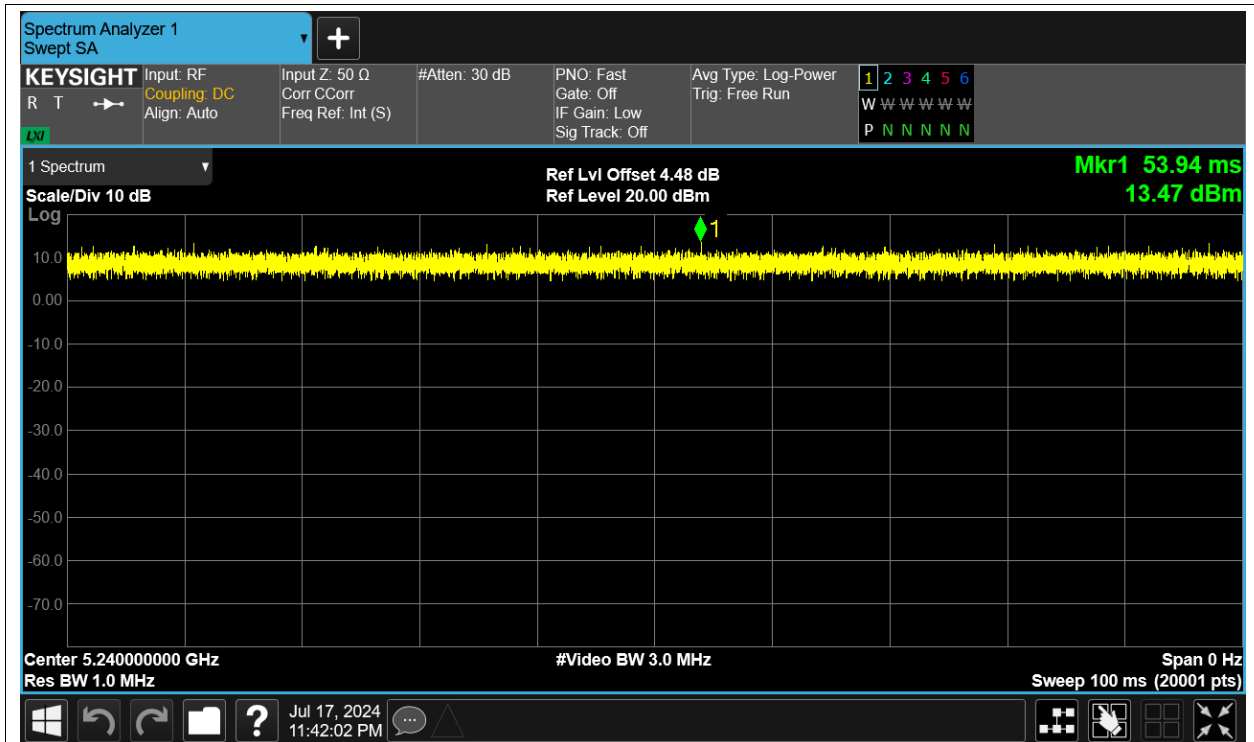
Freq. Stability NVNT n40 5190MHz ANT13



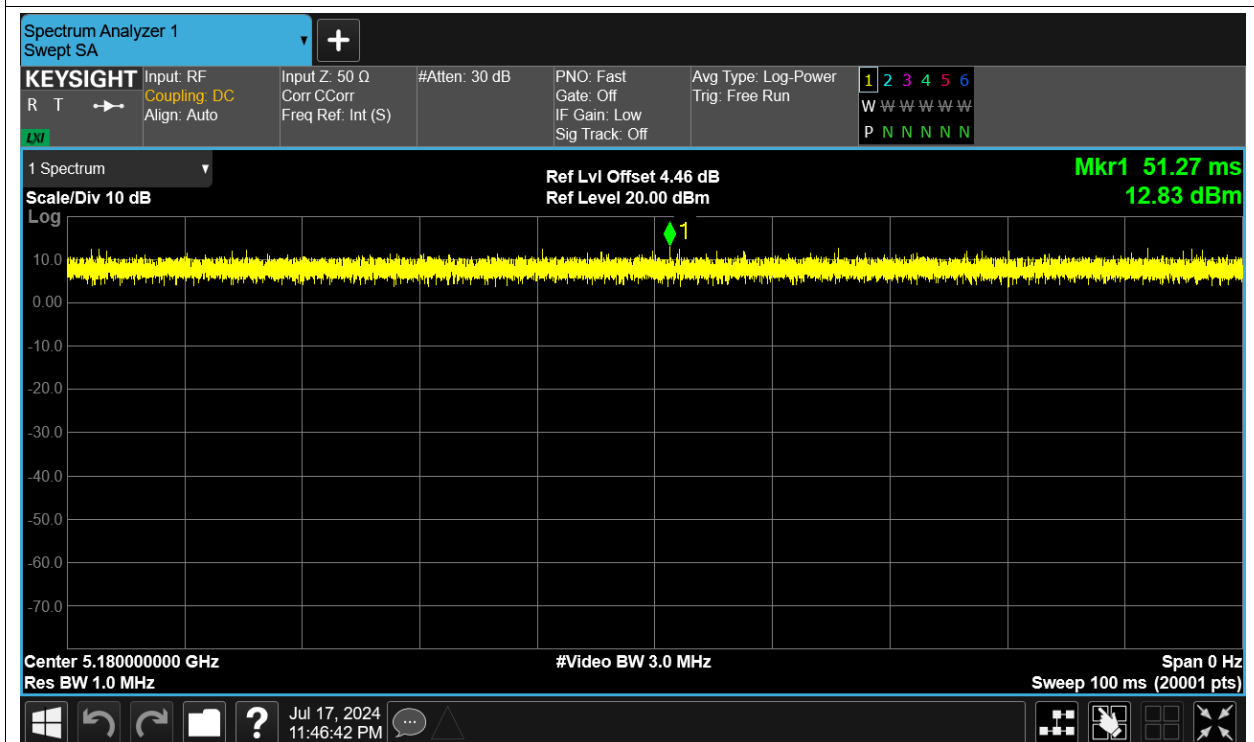
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	ANT13	100	0
NVNT	a	5200	ANT13	100	0
NVNT	a	5240	ANT13	100	0
NVNT	ac20	5180	ANT13	100	0
NVNT	ac20	5200	ANT13	100	0
NVNT	ac20	5240	ANT13	100	0
NVNT	ac40	5190	ANT13	100	0
NVNT	ac40	5230	ANT13	100	0
NVNT	ac80	5210	ANT13	100	0
NVNT	n20	5180	ANT13	100	0
NVNT	n20	5200	ANT13	100	0
NVNT	n20	5240	ANT13	100	0
NVNT	n40	5190	ANT13	100	0
NVNT	n40	5230	ANT13	100	0

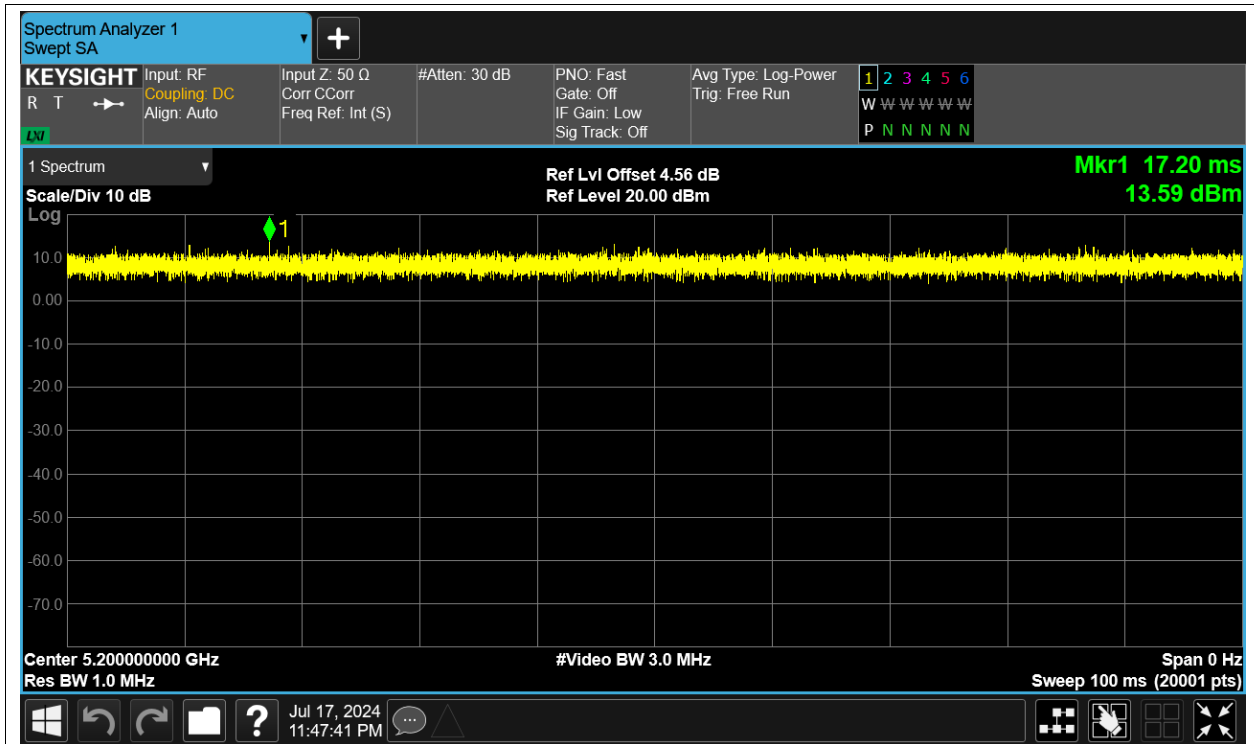




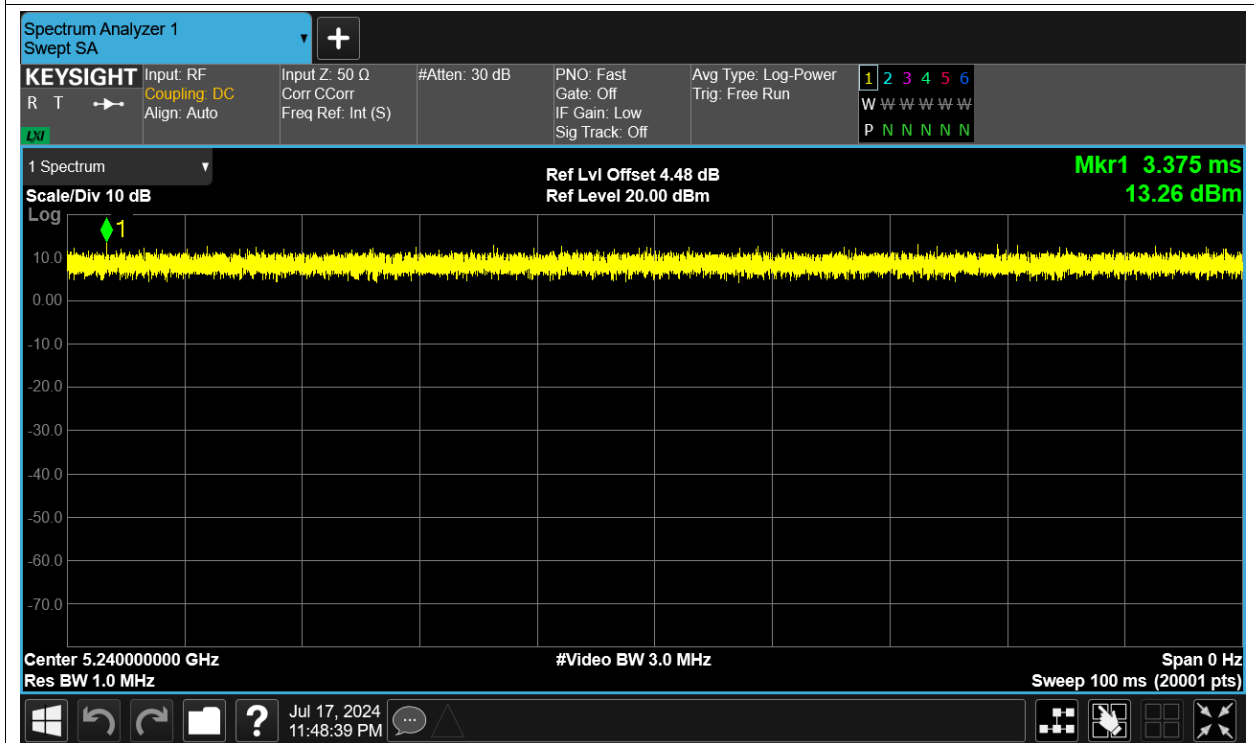
Duty Cycle NVNT ac20 5180MHz ANT13



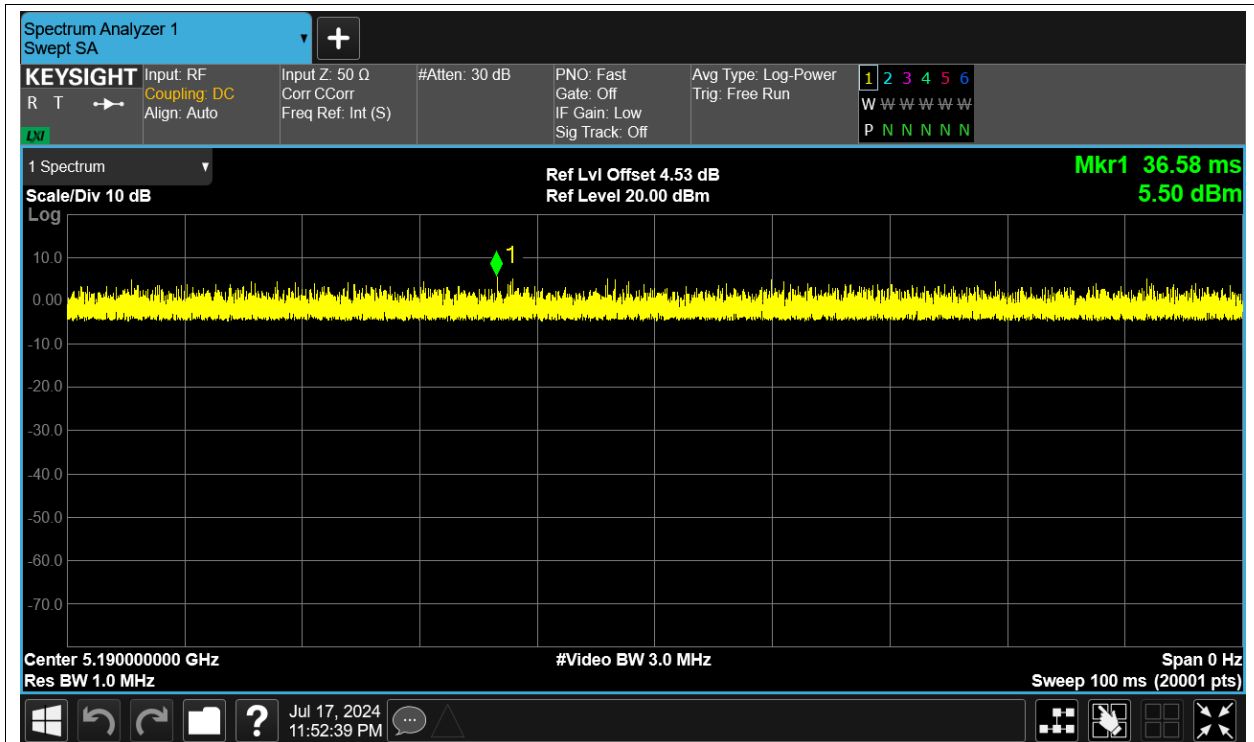
Duty Cycle NVNT ac20 5200MHz ANT13



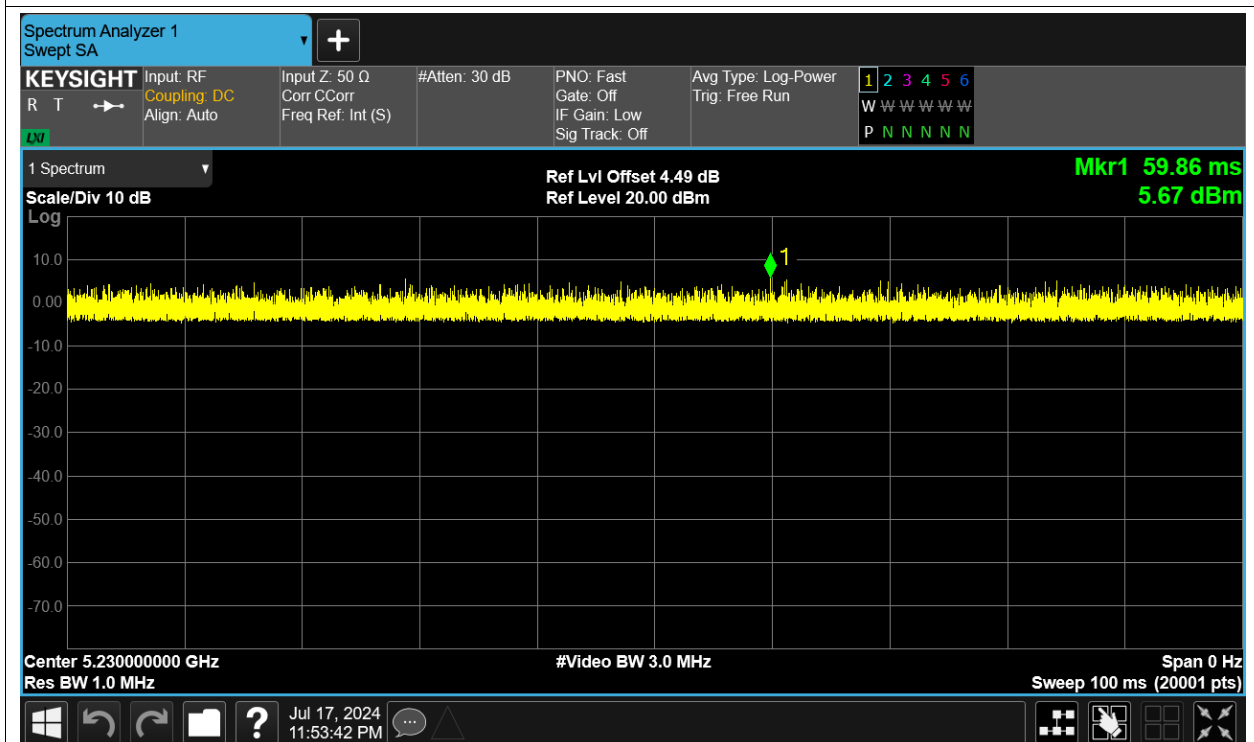
Duty Cycle NVNT ac20 5240MHz ANT13



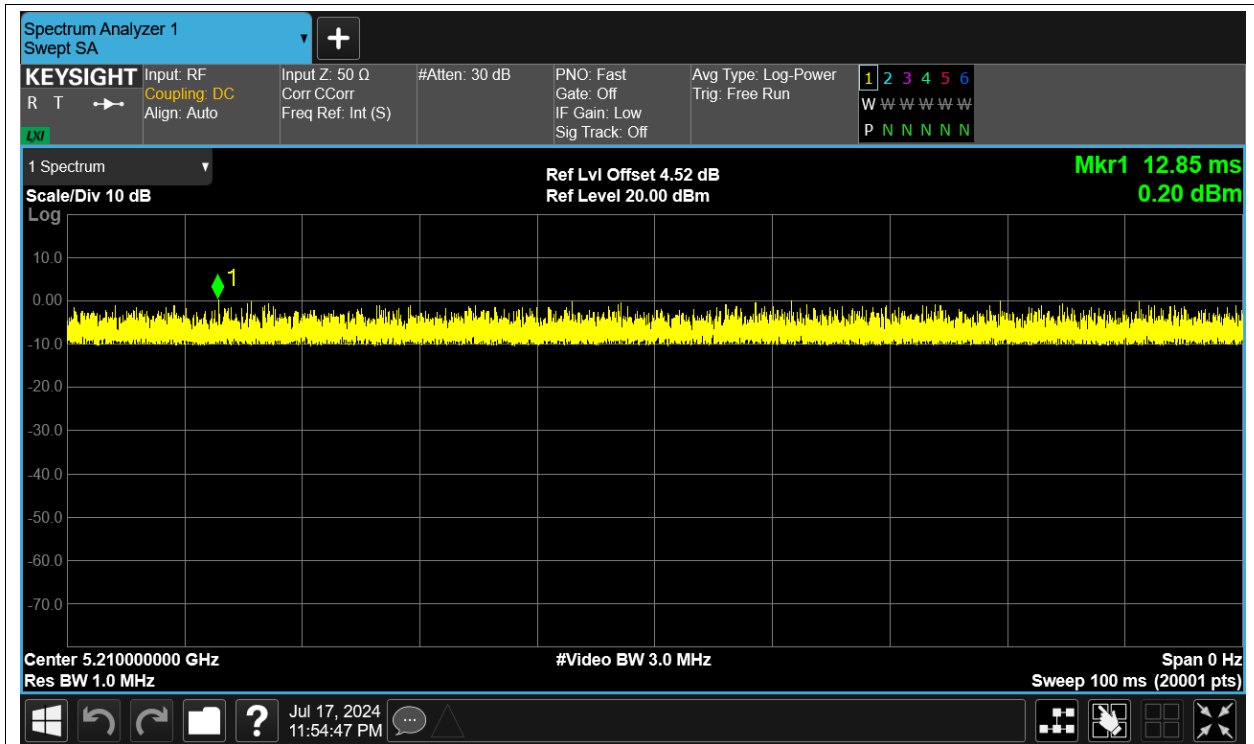
Duty Cycle NVNT ac40 5190MHz ANT13



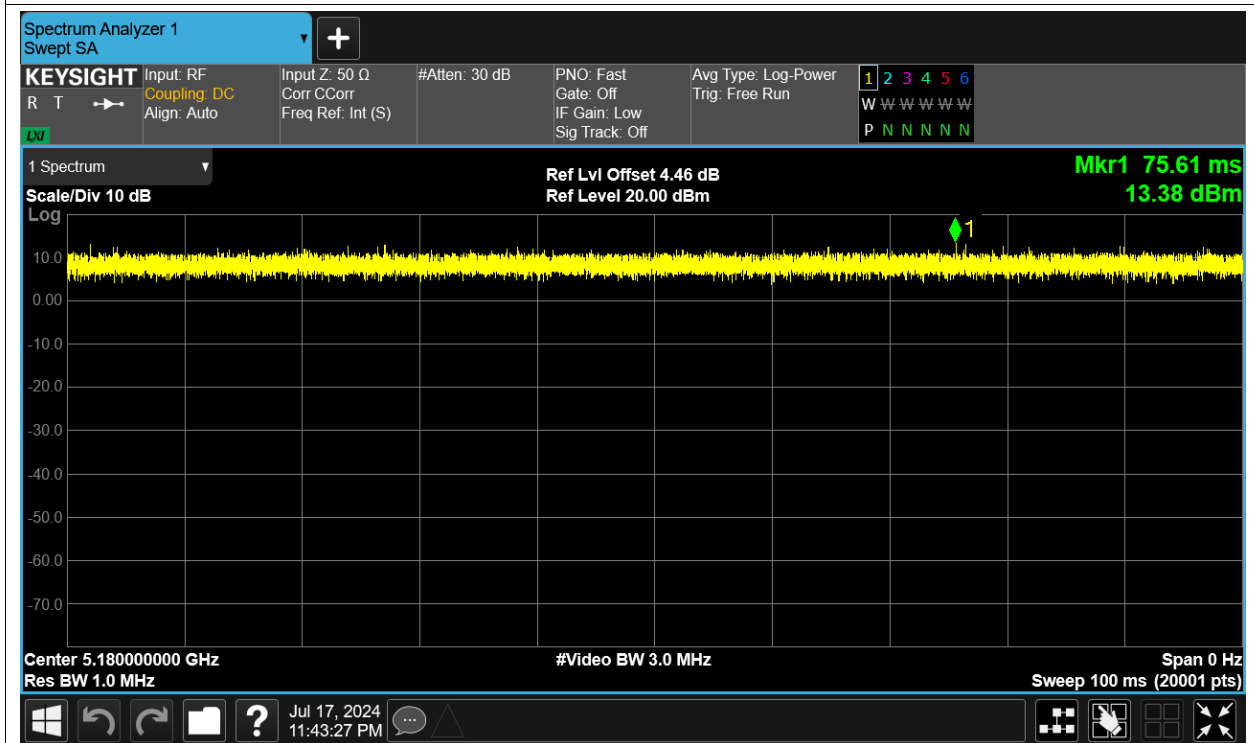
Duty Cycle NVNT ac40 5230MHz ANT13



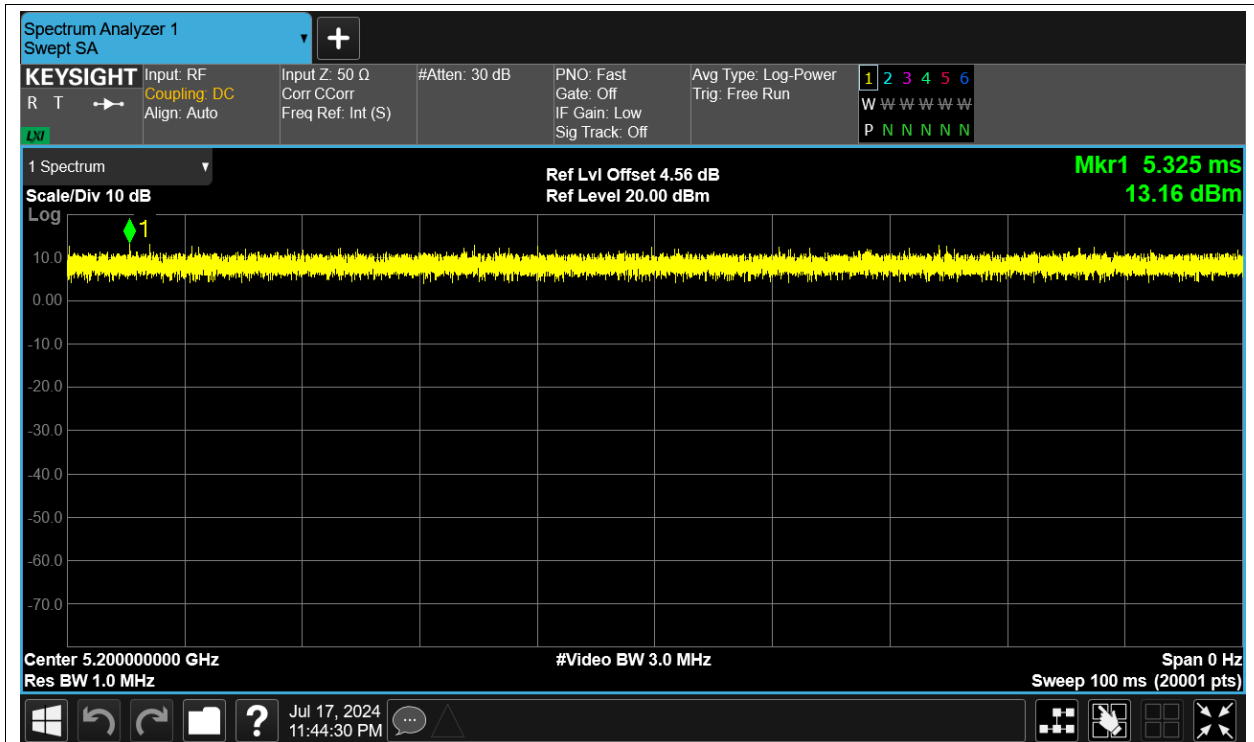
Duty Cycle NVNT ac80 5210MHz ANT13



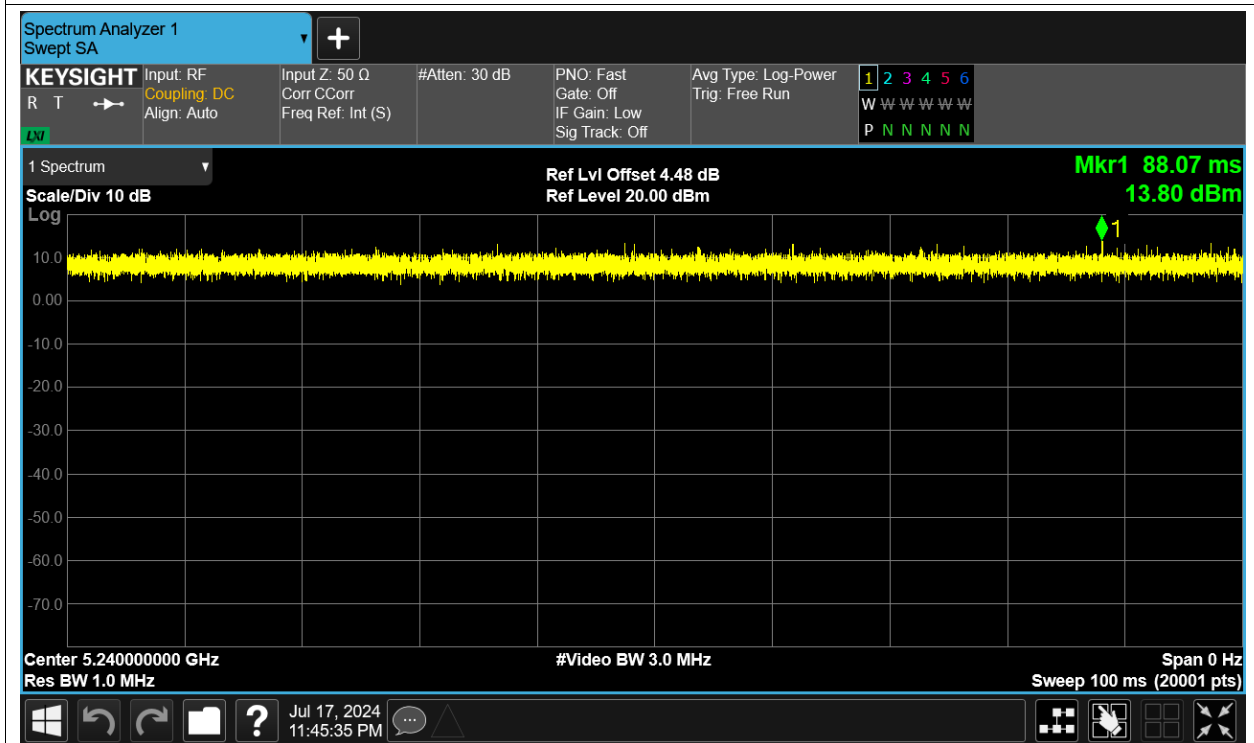
Duty Cycle NVNT n20 5180MHz ANT13



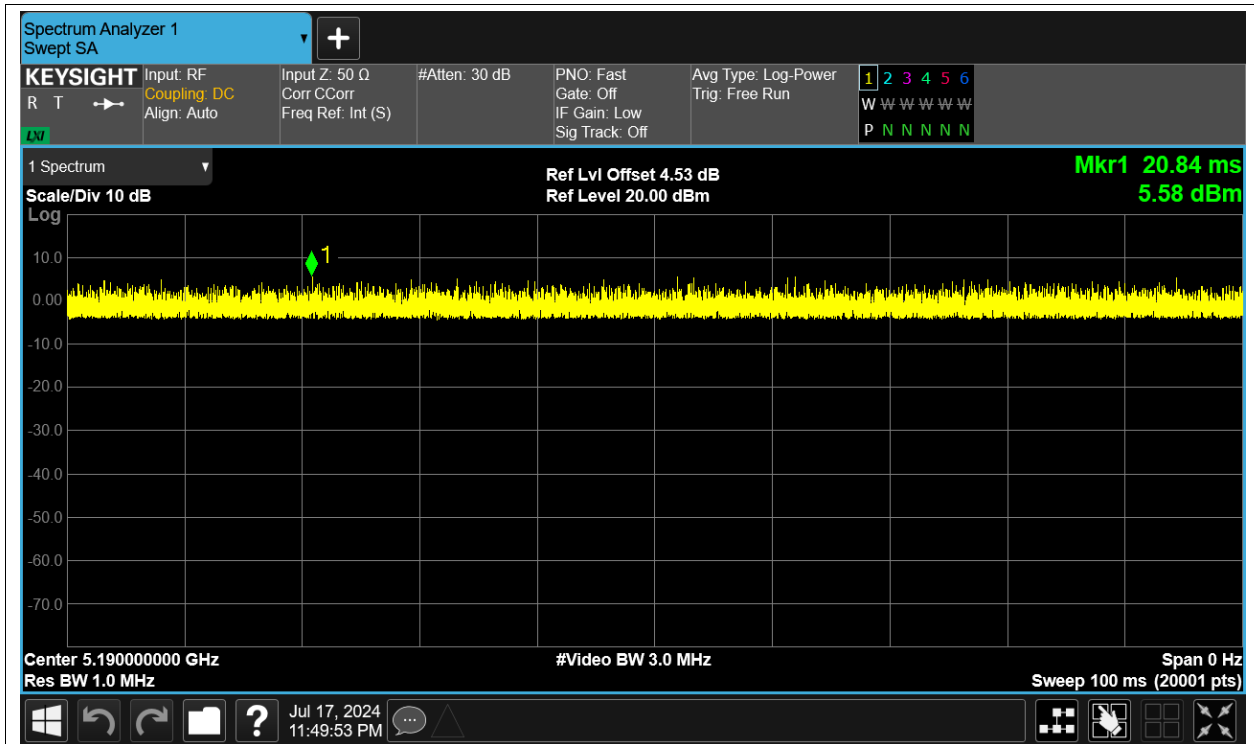
Duty Cycle NVNT n20 5200MHz ANT13



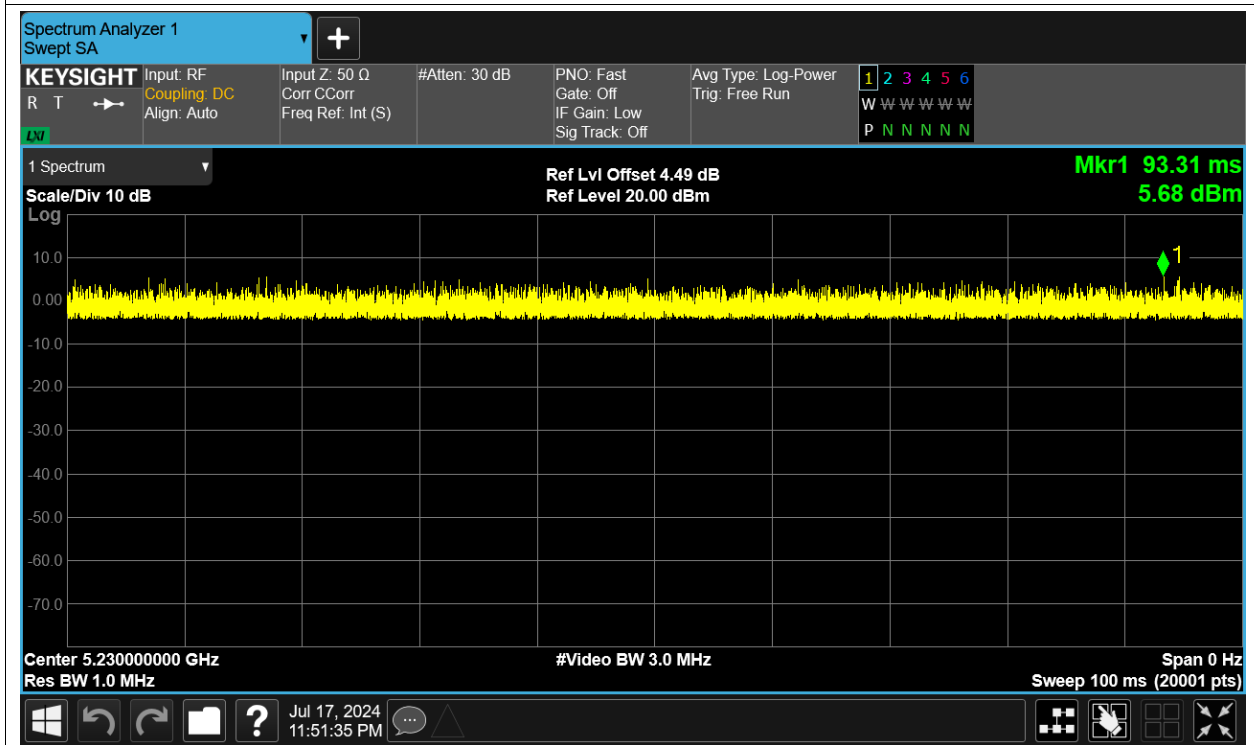
Duty Cycle NVNT n20 5240MHz ANT13



Duty Cycle NVNT n40 5190MHz ANT13



Duty Cycle NVNT n40 5230MHz ANT13



Maximum Conducted Output Power

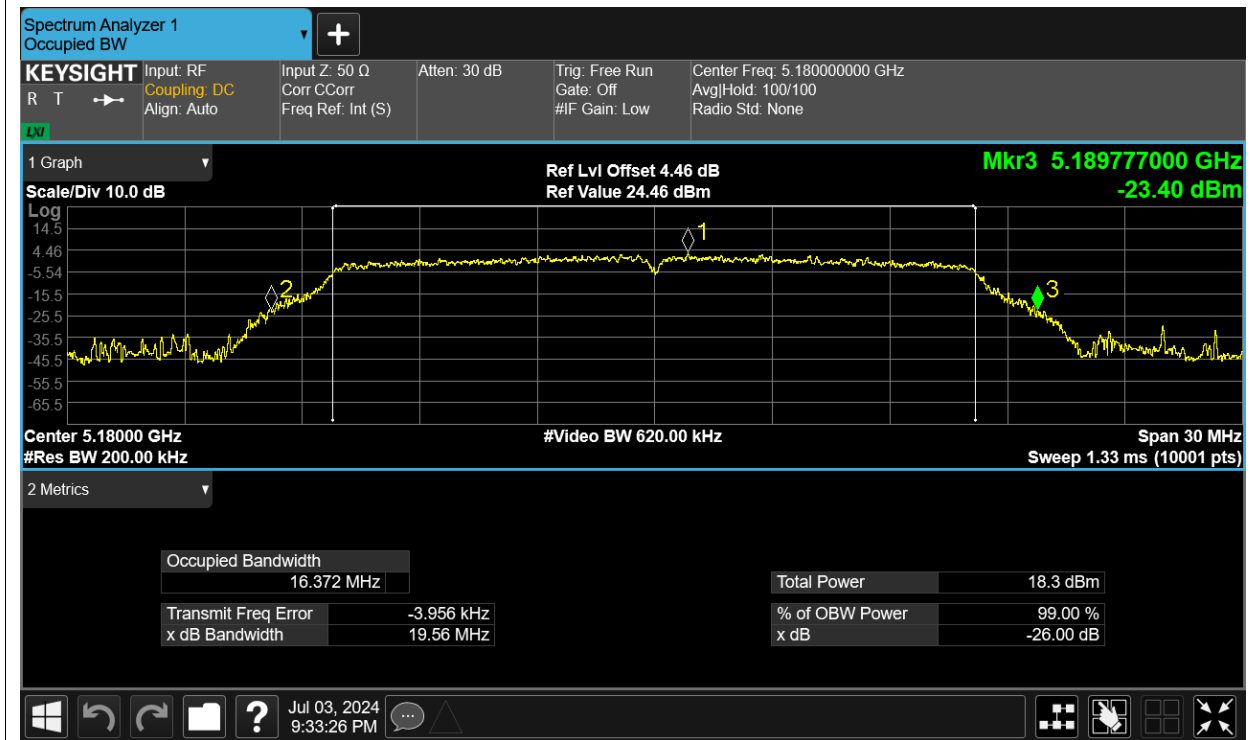
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	ANT13	15.89	0	15.89	24	Pass
NVNT	a	5200	ANT13	15.87	0	15.87	24	Pass
NVNT	a	5240	ANT13	15.94	0	15.94	24	Pass
NVNT	ac20	5180	ANT13	15.33	0	15.33	24	Pass
NVNT	ac20	5200	ANT13	15.74	0	15.74	24	Pass
NVNT	ac20	5240	ANT13	16.01	0	16.01	24	Pass
NVNT	ac40	5190	ANT13	12.43	0	12.43	23	Pass
NVNT	ac40	5230	ANT13	12.44	0	12.44	24	Pass
NVNT	ac80	5210	ANT13	10.21	0	10.21	24	Pass
NVNT	n20	5180	ANT13	15.7	0	15.7	24	Pass
NVNT	n20	5200	ANT13	15.77	0	15.77	24	Pass
NVNT	n20	5240	ANT13	15.87	0	15.87	24	Pass
NVNT	n40	5190	ANT13	12.79	0	12.79	24	Pass
NVNT	n40	5230	ANT13	12.53	0	12.53	24	Pass

-26dB Bandwidth

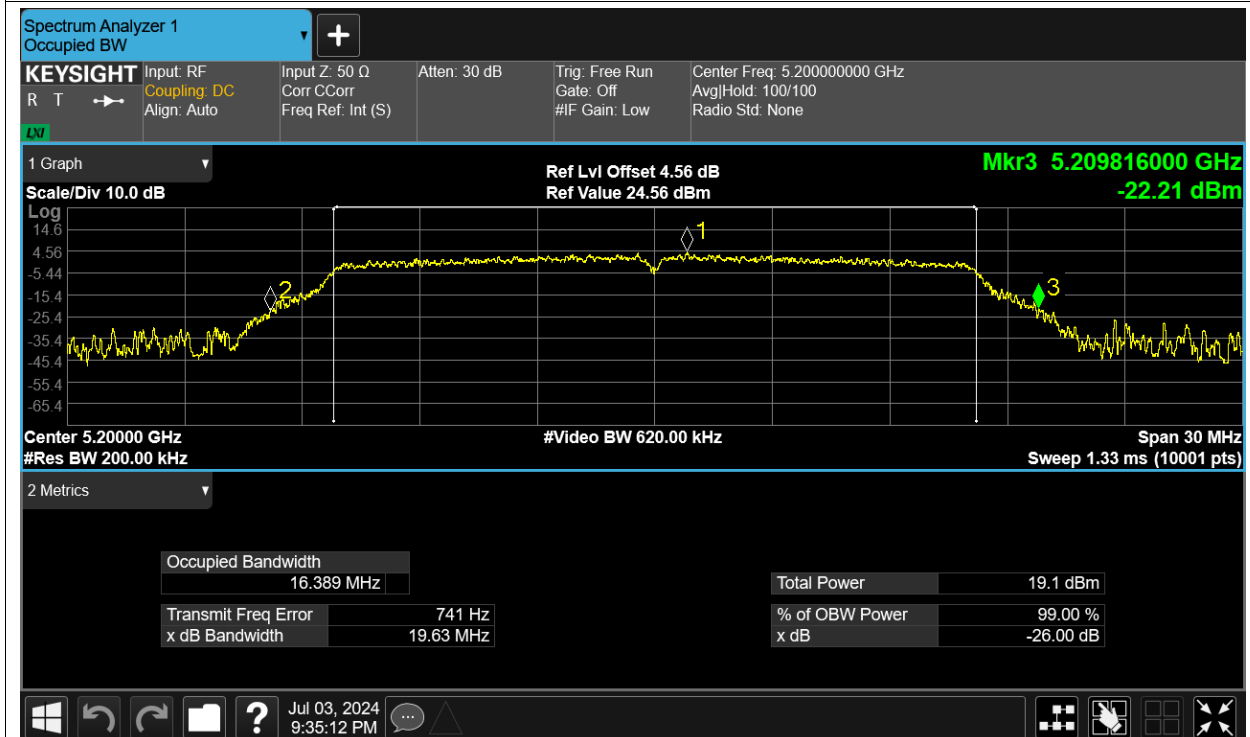
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	ANT13	19.562
NVNT	a	5200	ANT13	19.631
NVNT	a	5240	ANT13	20.034
NVNT	ac20	5180	ANT13	20.257
NVNT	ac20	5200	ANT13	20.154
NVNT	ac20	5240	ANT13	20.128
NVNT	ac40	5190	ANT13	39.262
NVNT	ac40	5230	ANT13	40.195
NVNT	ac80	5210	ANT13	78.75
NVNT	n20	5180	ANT13	20.007
NVNT	n20	5200	ANT13	20.045
NVNT	n20	5240	ANT13	20.017
NVNT	n40	5190	ANT13	39.476
NVNT	n40	5230	ANT13	39.614

Test Graphs

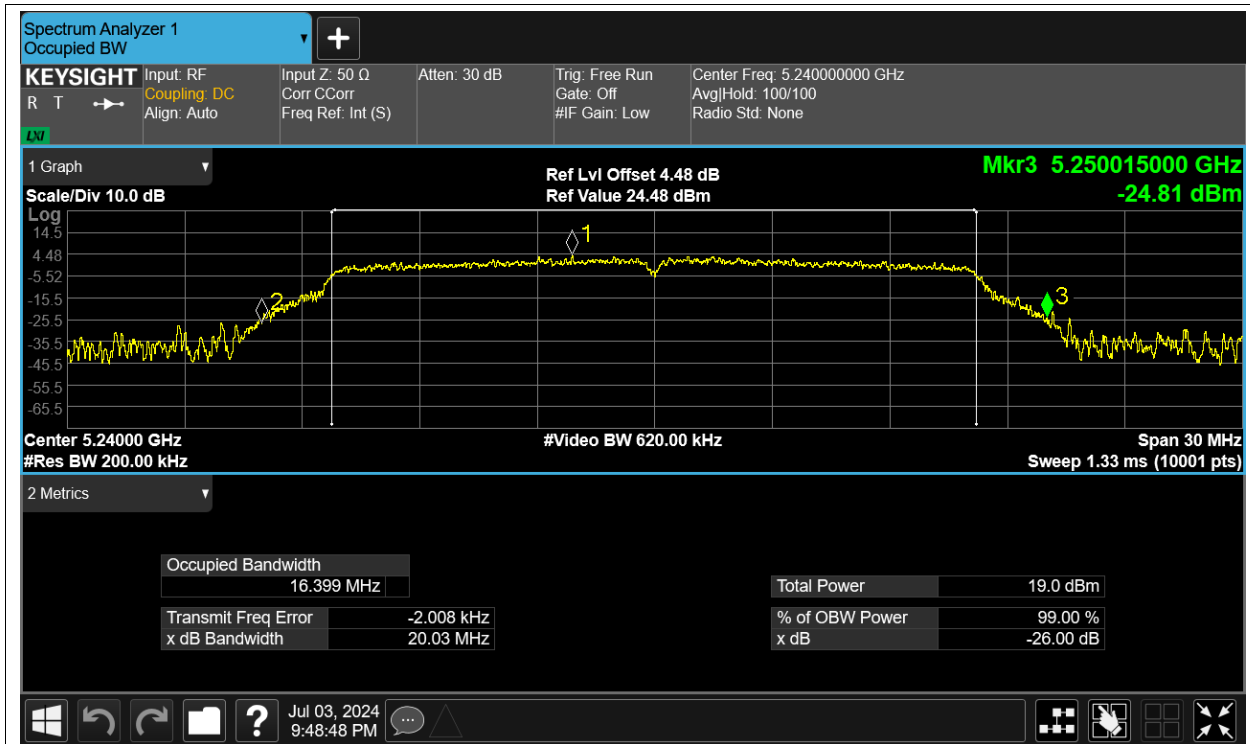
-26dB Bandwidth NVNT a 5180MHz ANT13



-26dB Bandwidth NVNT a 5200MHz ANT13



-26dB Bandwidth NVNT a 5240MHz ANT13



-26dB Bandwidth NVNT ac20 5180MHz ANT13



-26dB Bandwidth NVNT ac20 5200MHz ANT13



-26dB Bandwidth NVNT ac20 5240MHz ANT13



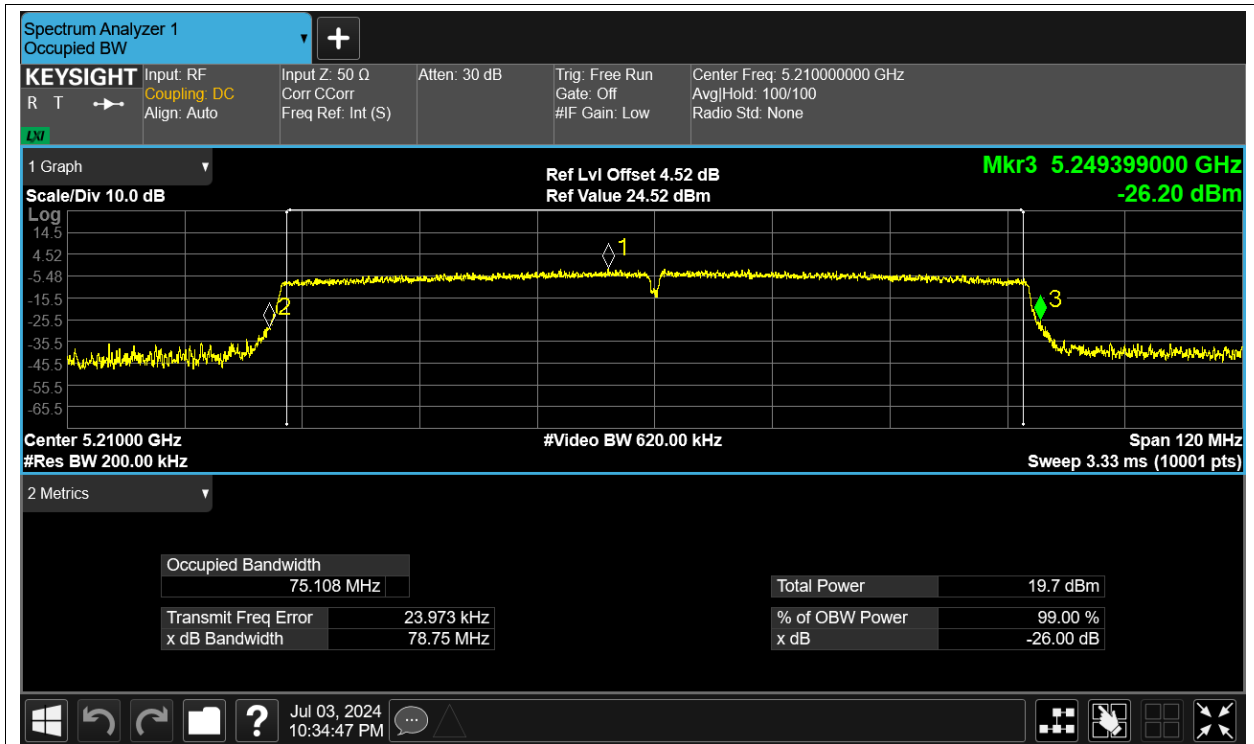
-26dB Bandwidth NVNT ac40 5190MHz ANT13



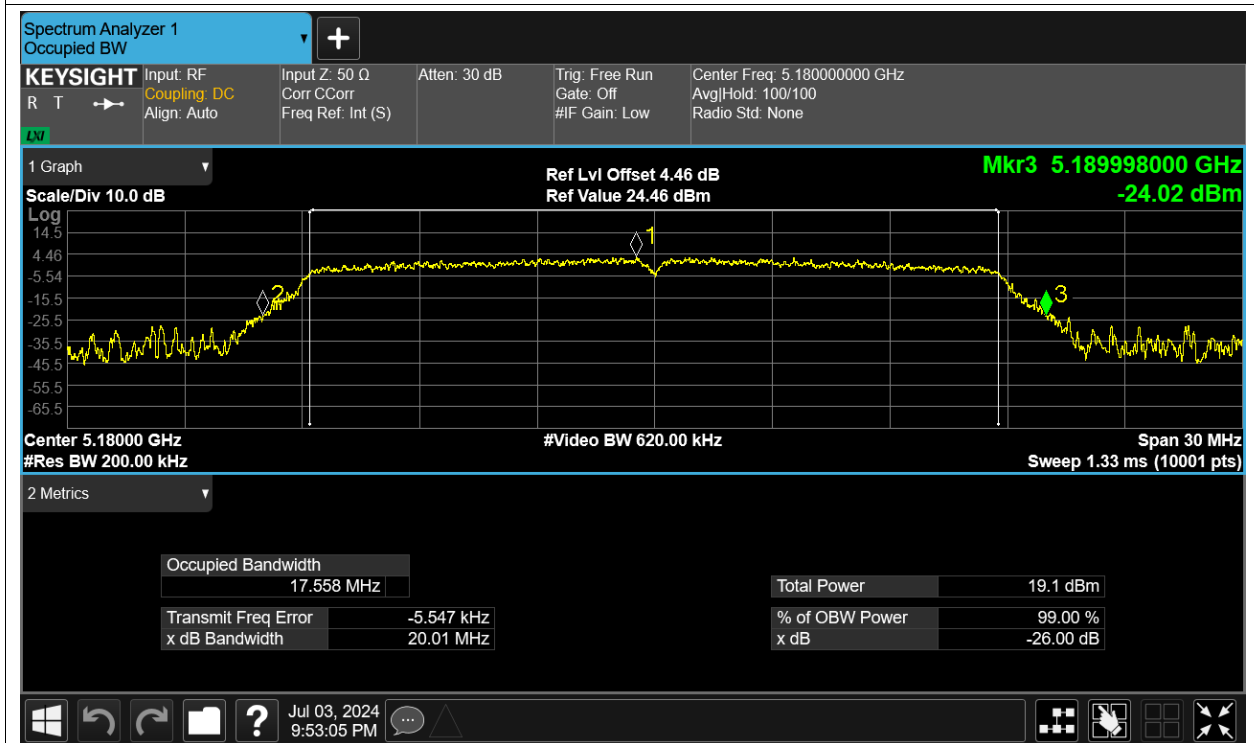
-26dB Bandwidth NVNT ac40 5230MHz ANT13



-26dB Bandwidth NVNT ac80 5210MHz ANT13



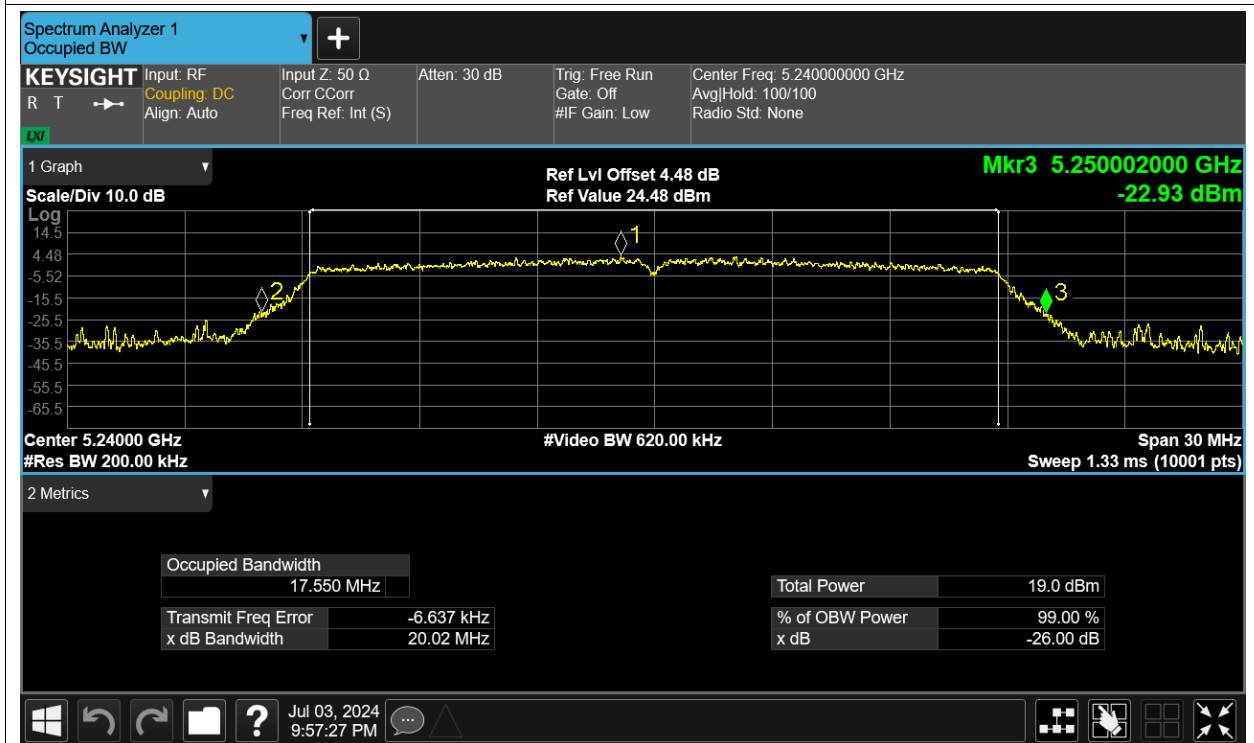
-26dB Bandwidth NVNT n20 5180MHz ANT13



-26dB Bandwidth NVNT n20 5200MHz ANT13



-26dB Bandwidth NVNT n20 5240MHz ANT13



-26dB Bandwidth NVNT n40 5190MHz ANT13



-26dB Bandwidth NVNT n40 5230MHz ANT13

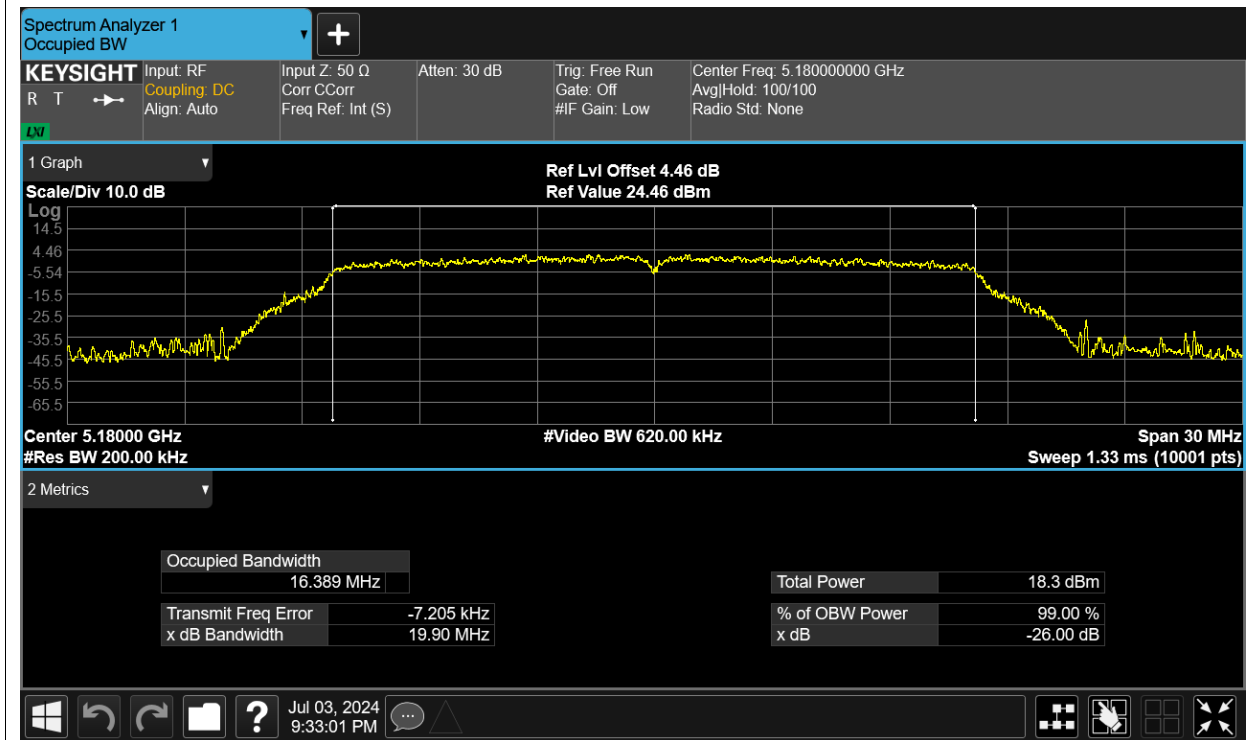


Occupied Channel Bandwidth

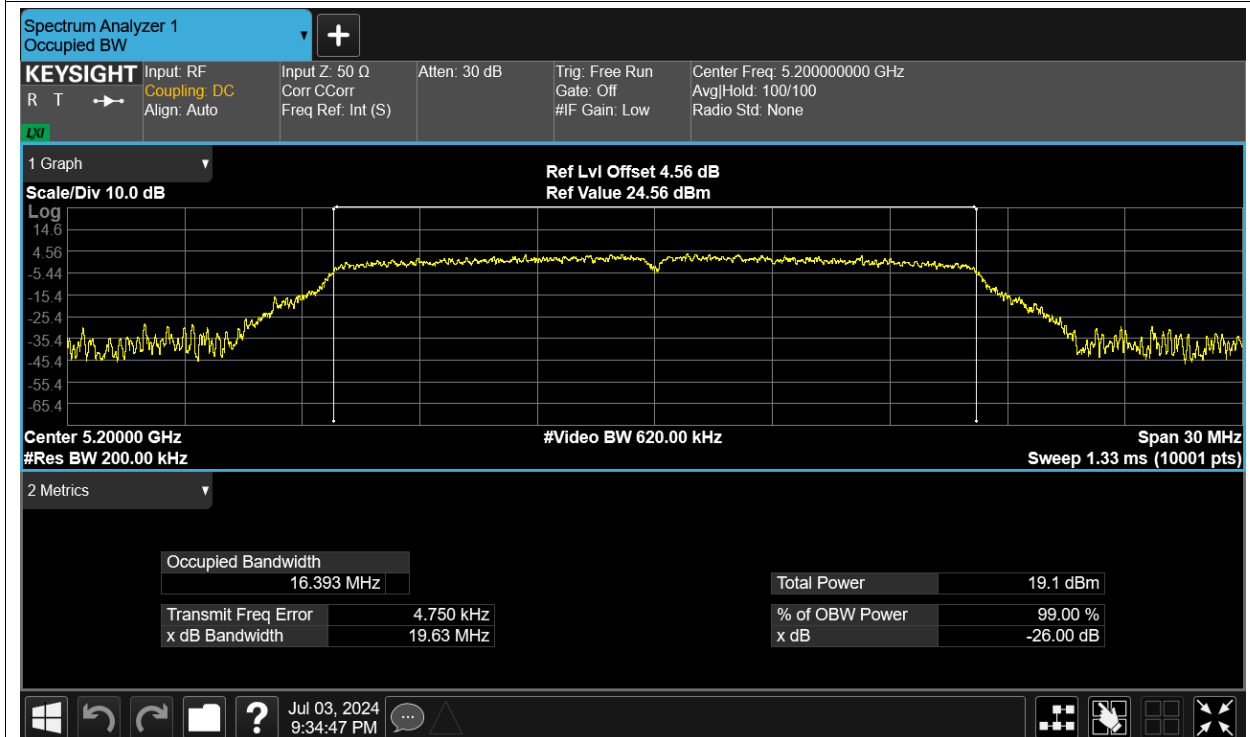
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	ANT13	16.389
NVNT	a	5200	ANT13	16.393
NVNT	a	5240	ANT13	16.399
NVNT	ac20	5180	ANT13	17.554
NVNT	ac20	5200	ANT13	17.544
NVNT	ac20	5240	ANT13	17.557
NVNT	ac40	5190	ANT13	35.994
NVNT	ac40	5230	ANT13	35.935
NVNT	ac80	5210	ANT13	75.127
NVNT	n20	5180	ANT13	17.555
NVNT	n20	5200	ANT13	17.558
NVNT	n20	5240	ANT13	17.554
NVNT	n40	5190	ANT13	35.94
NVNT	n40	5230	ANT13	35.963

Test Graphs

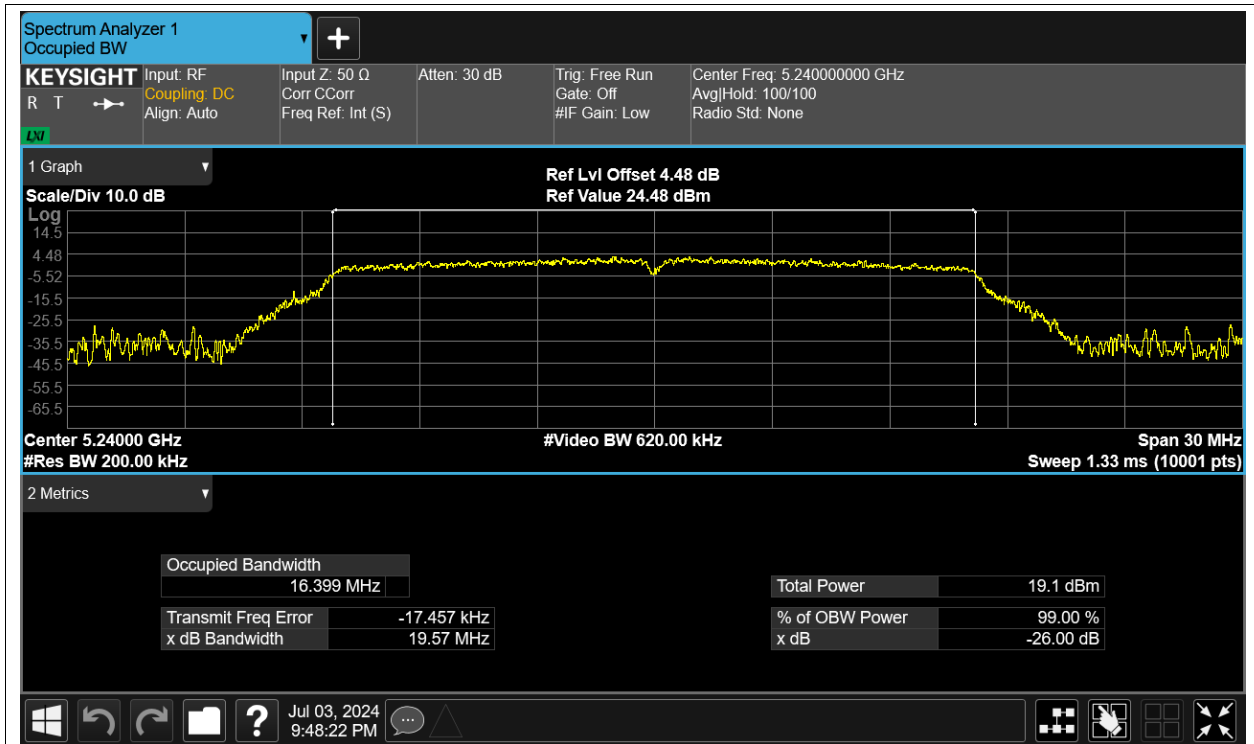
OBW NVNT a 5180MHz ANT13



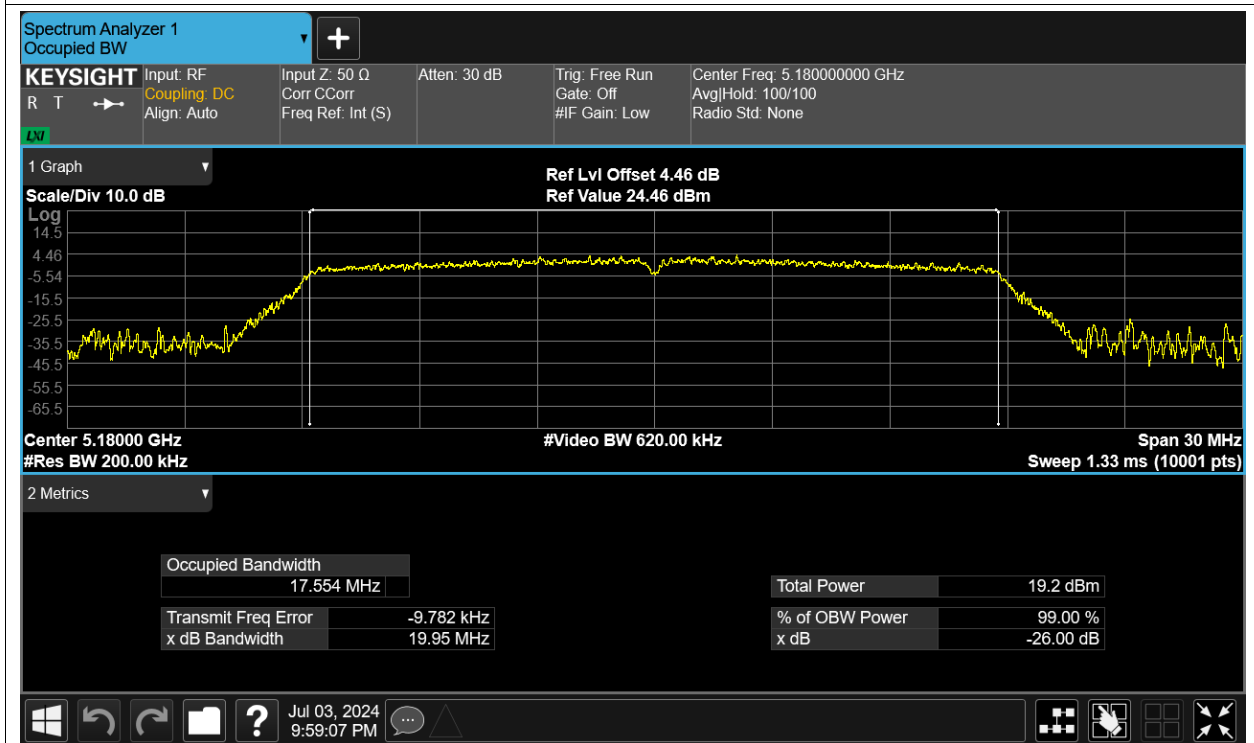
OBW NVNT a 5200MHz ANT13



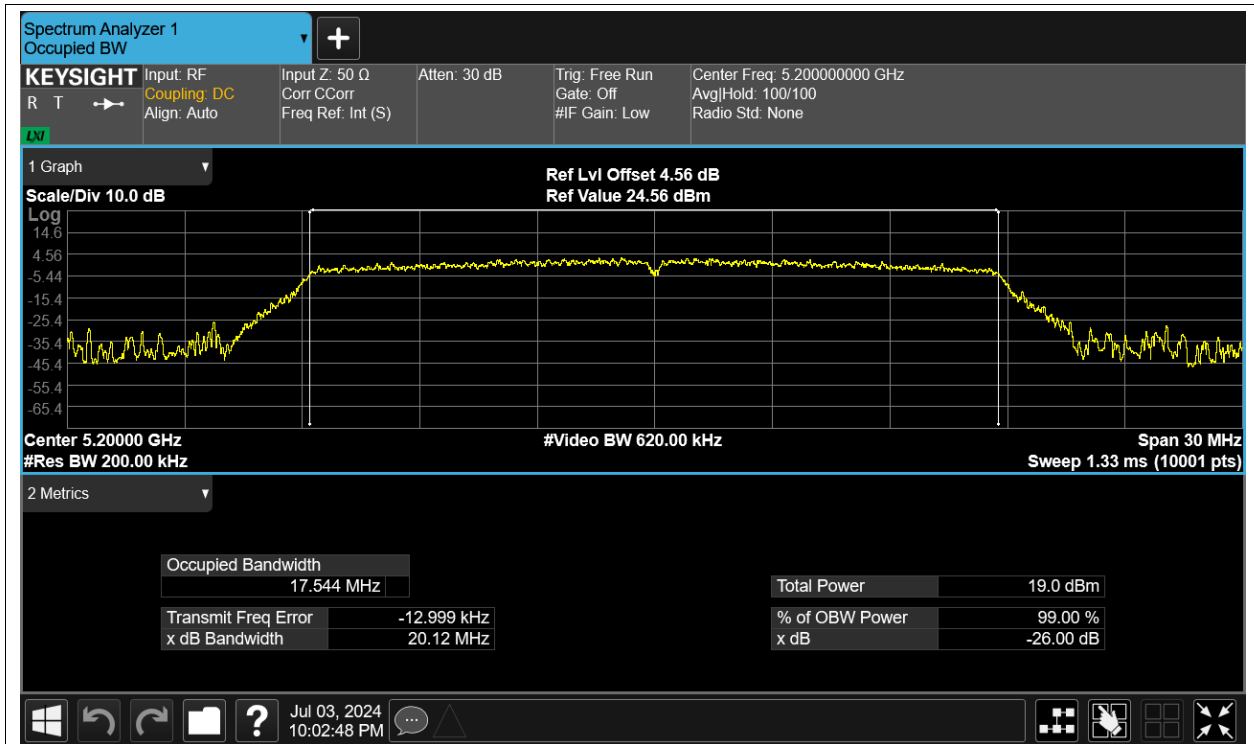
OBW NVNT a 5240MHz ANT13



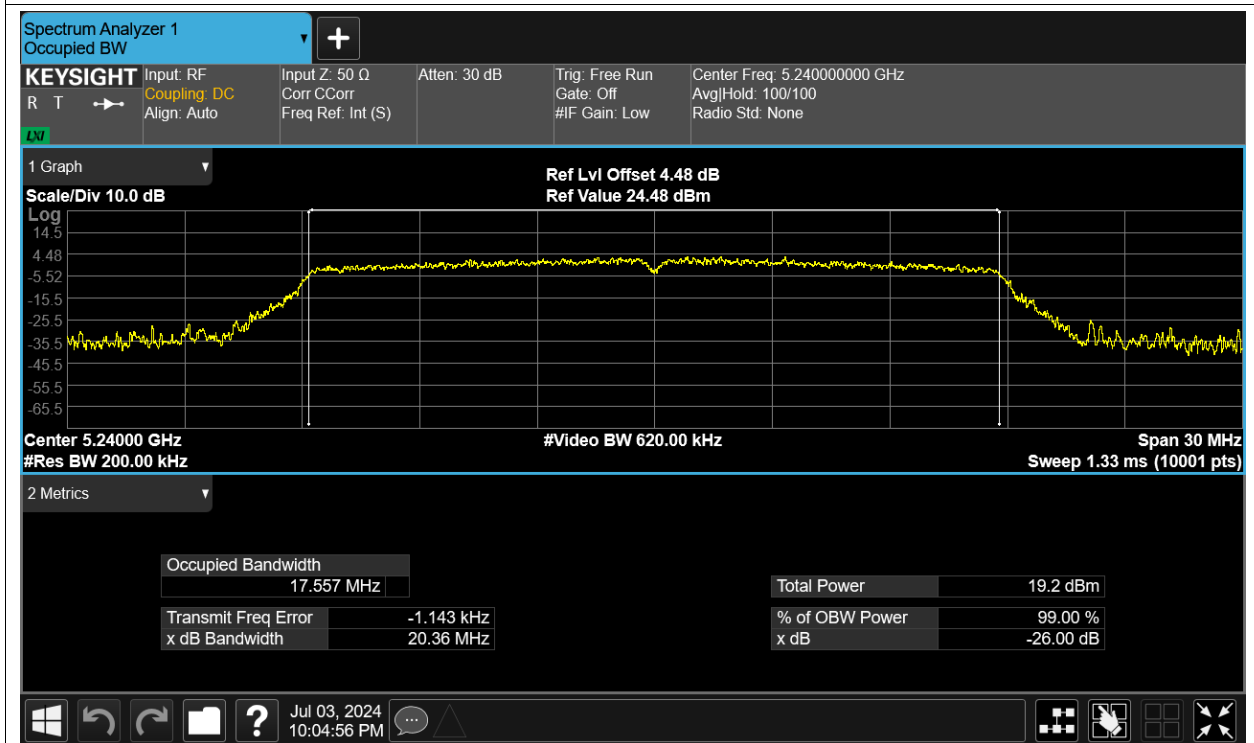
OBW NVNT ac20 5180MHz ANT13



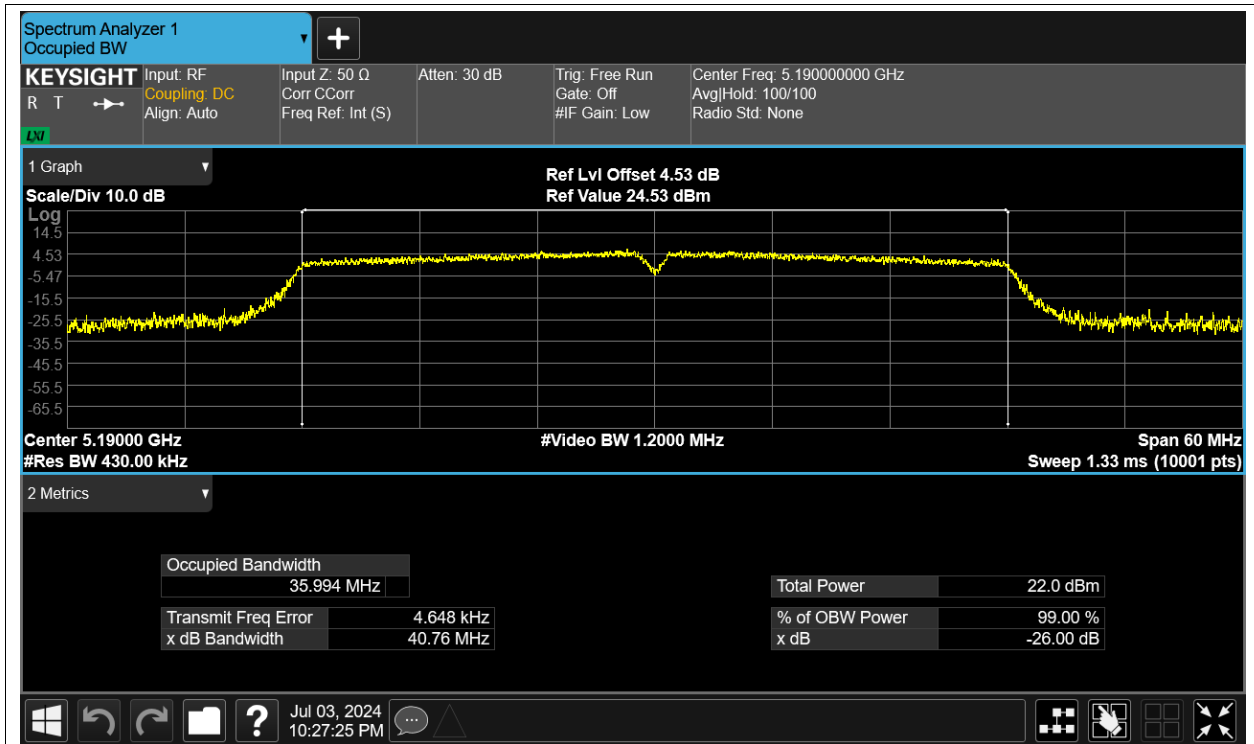
OBW NVNT ac20 5200MHz ANT13



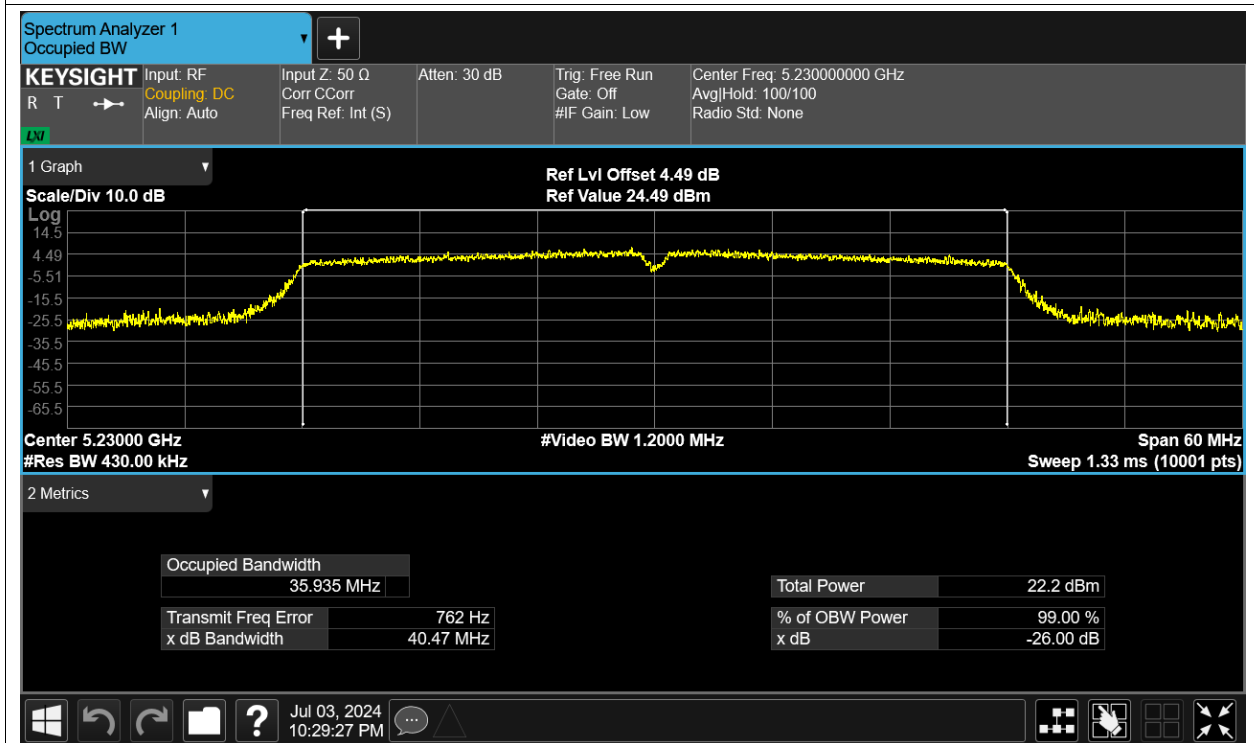
OBW NVNT ac20 5240MHz ANT13



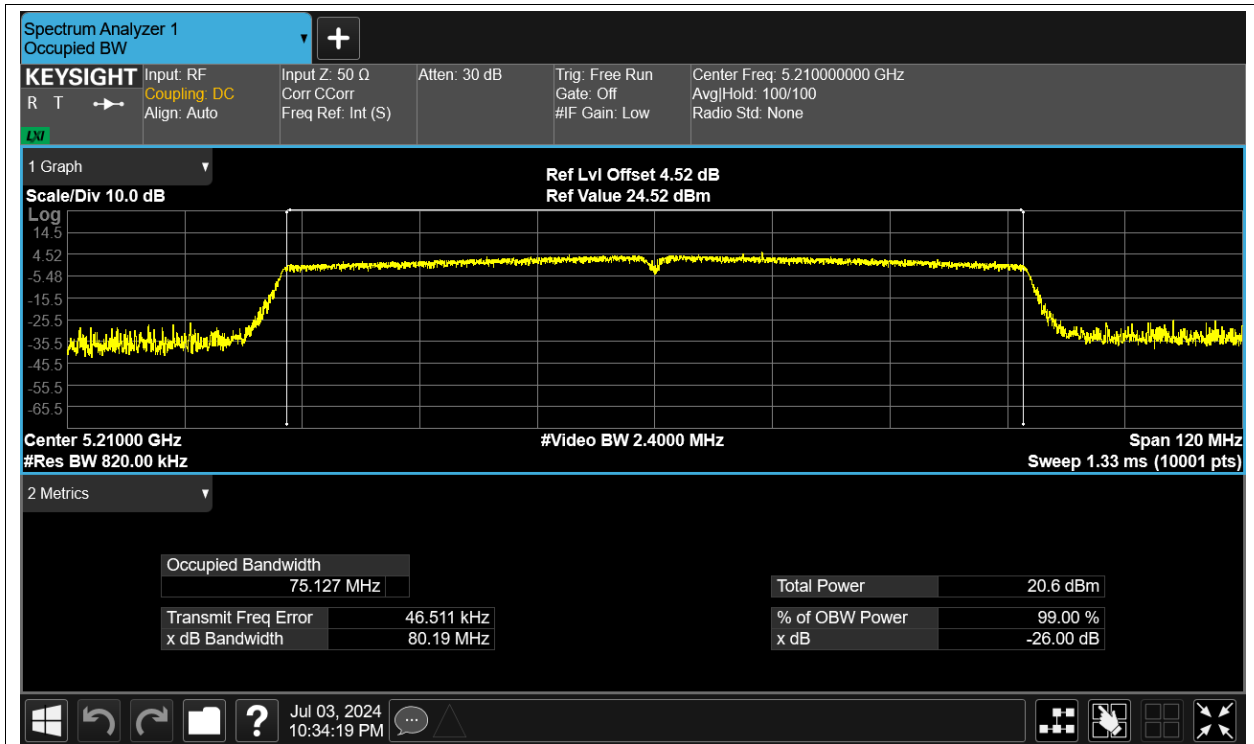
OBW NVNT ac40 5190MHz ANT13



OBW NVNT ac40 5230MHz ANT13



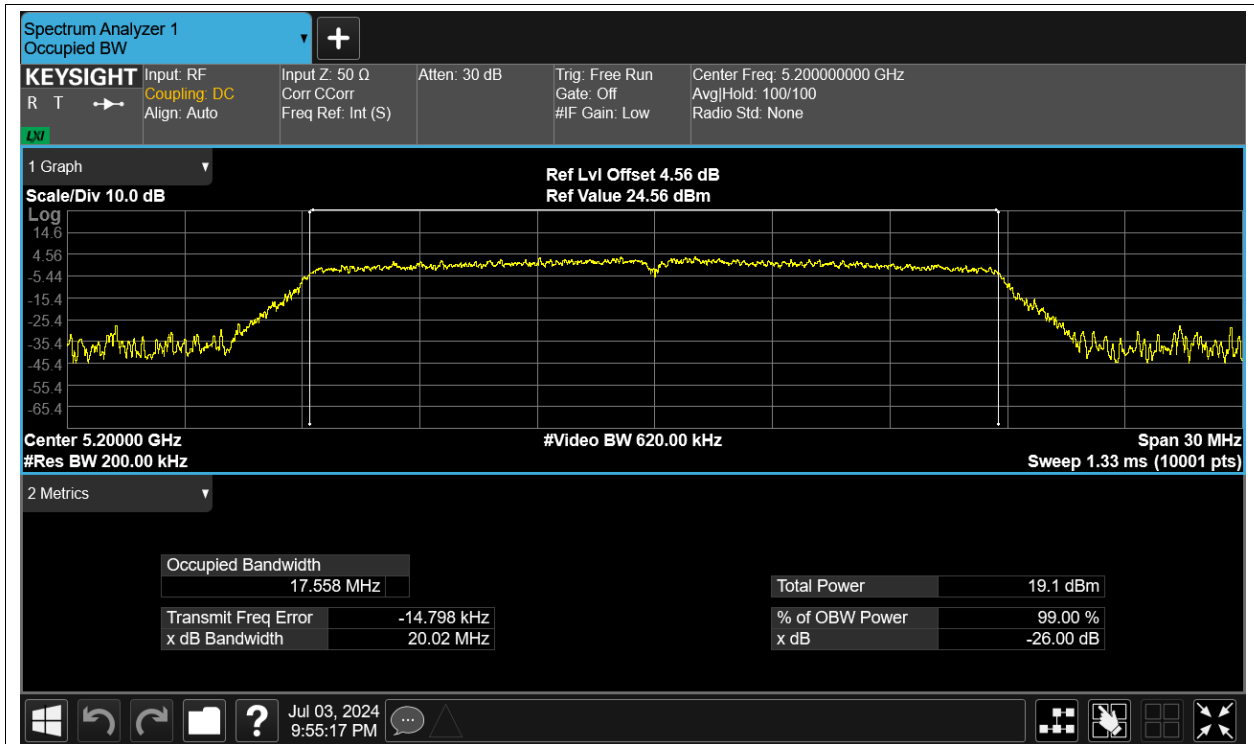
OBW NVNT ac80 5210MHz ANT13



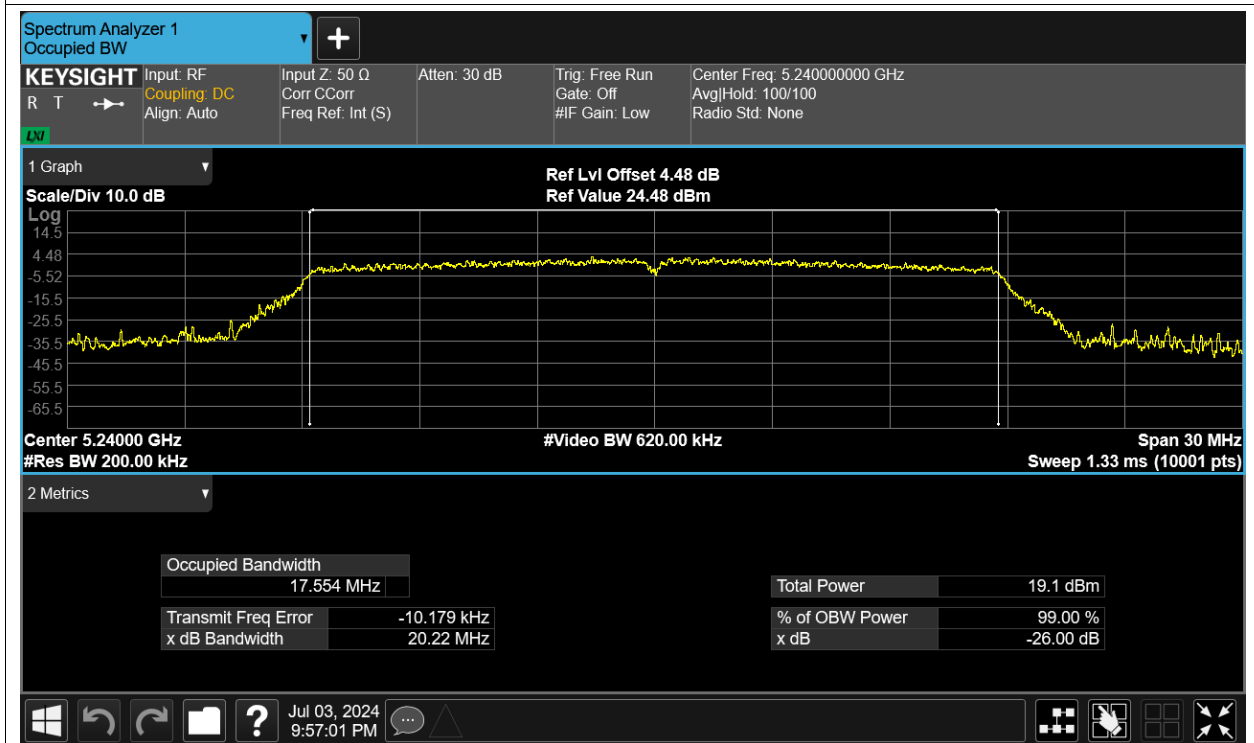
OBW NVNT n20 5180MHz ANT13



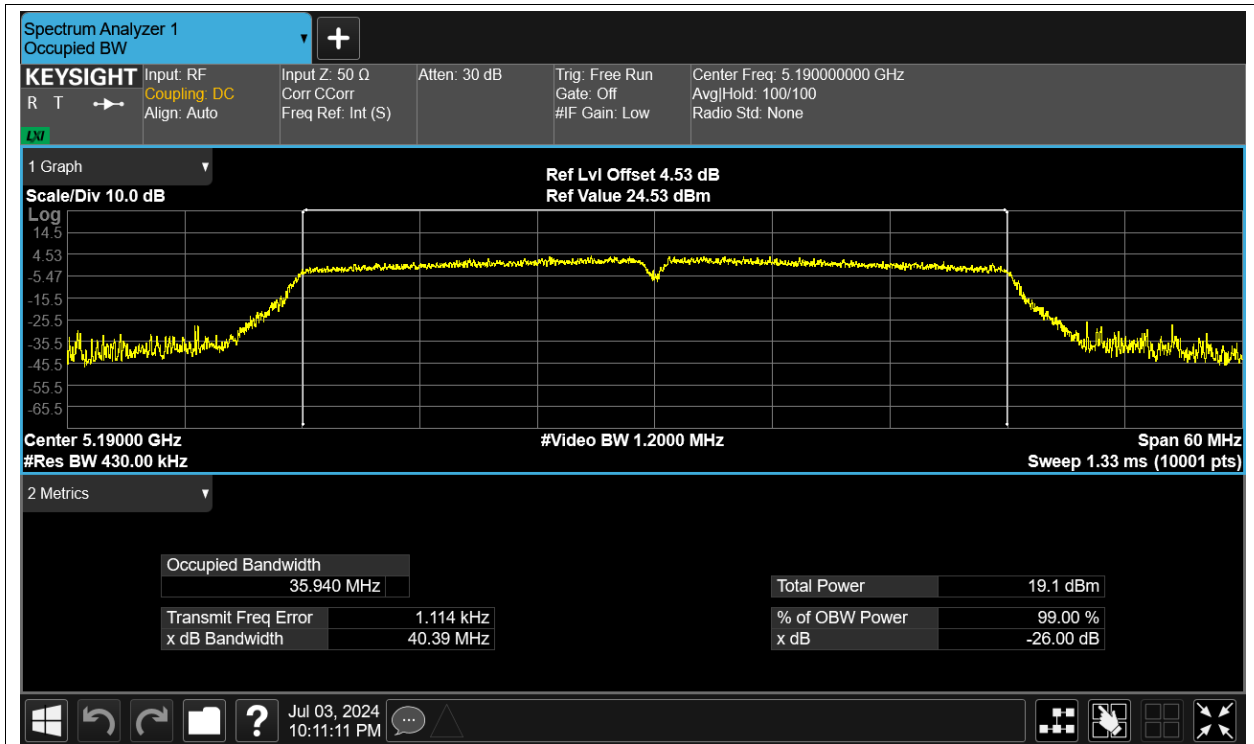
OBW NVNT n20 5200MHz ANT13



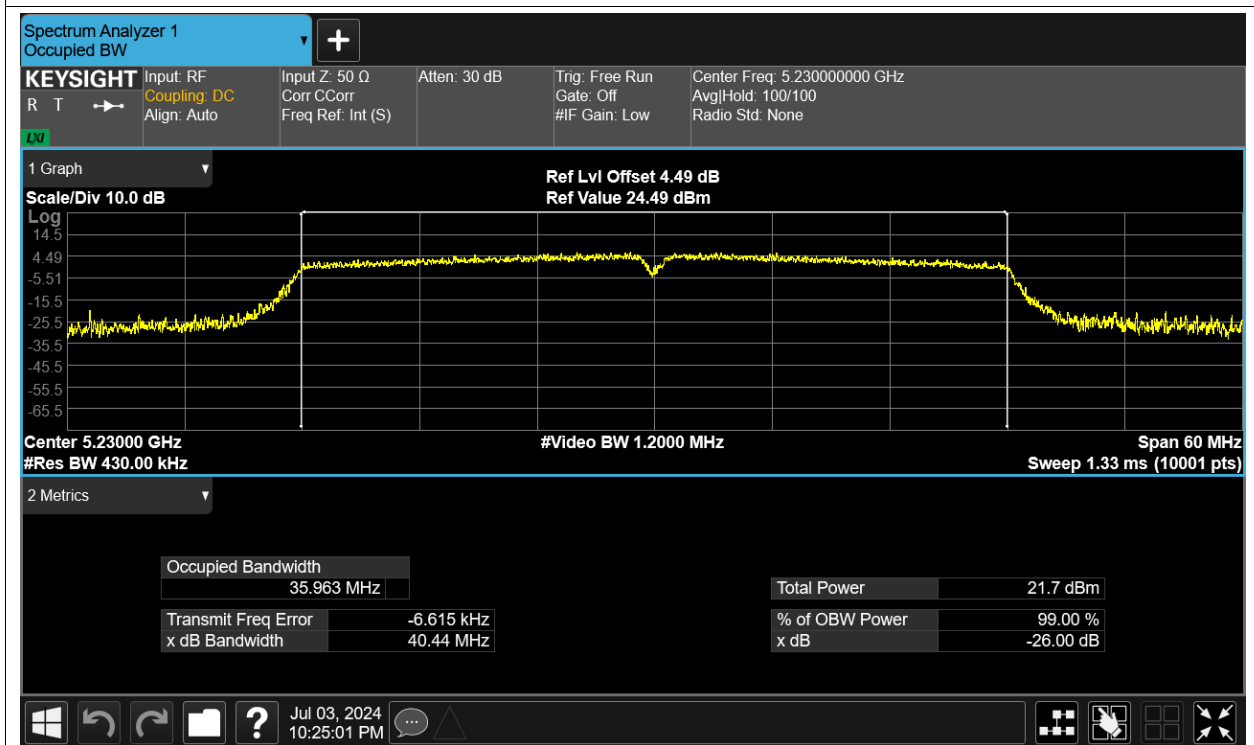
OBW NVNT n20 5240MHz ANT13



OBW NVNT n40 5190MHz ANT13



OBW NVNT n40 5230MHz ANT13

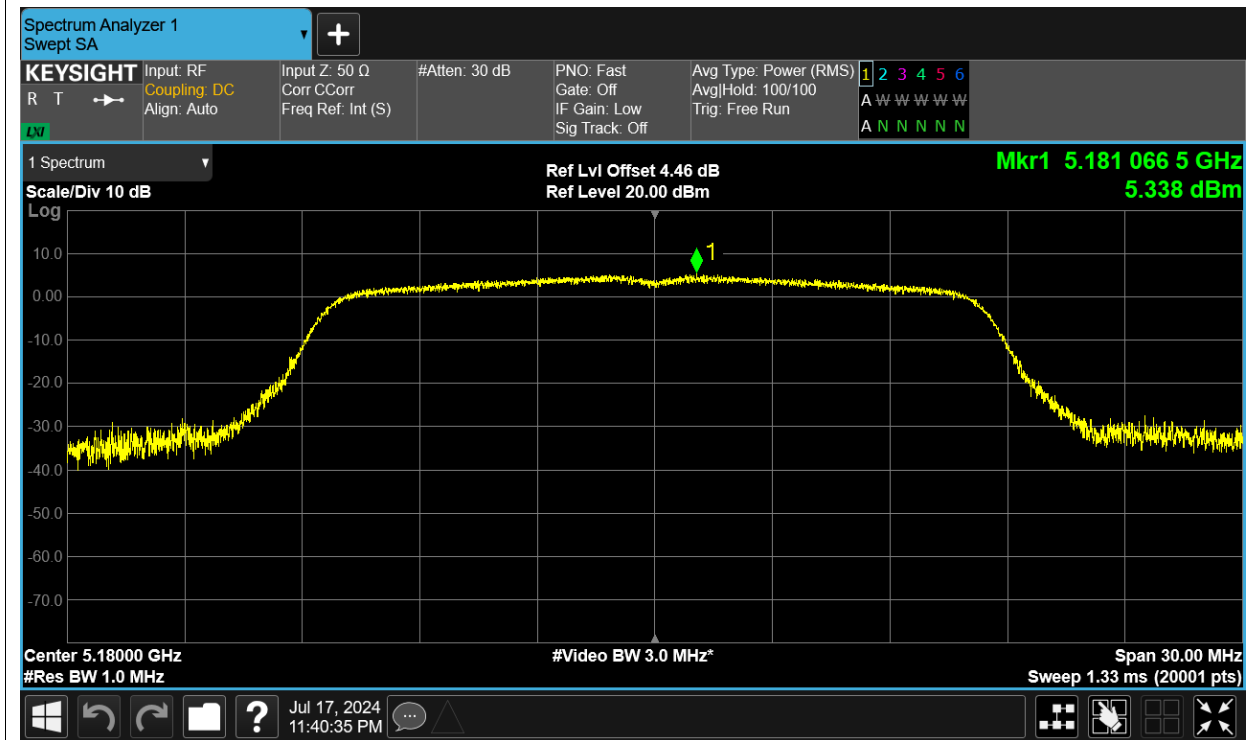


Maximum Power Spectral Density Level

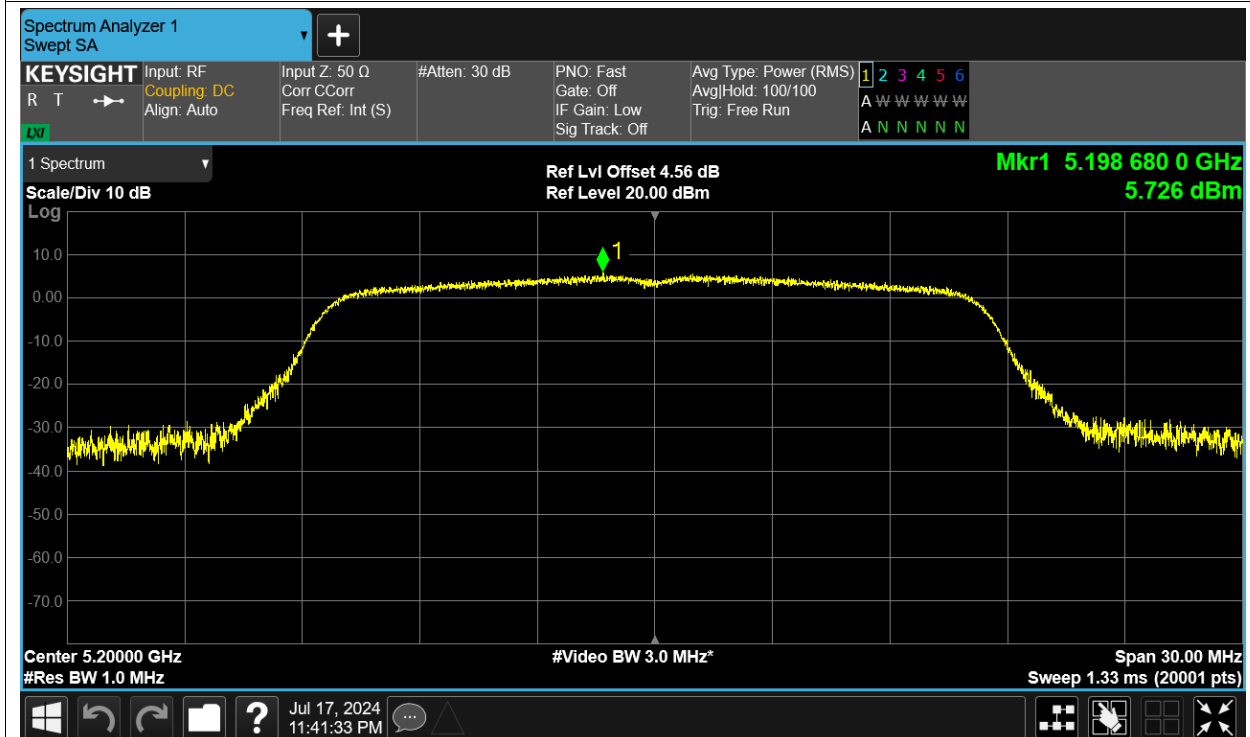
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	ANT13	5.338	11	Pass
NVNT	a	5200	ANT13	5.726	11	Pass
NVNT	a	5240	ANT13	6.01	11	Pass
NVNT	ac20	5180	ANT13	4.985	11	Pass
NVNT	ac20	5200	ANT13	5.609	11	Pass
NVNT	ac20	5240	ANT13	5.517	11	Pass
NVNT	ac40	5190	ANT13	-0.298	11	Pass
NVNT	ac40	5230	ANT13	-0.146	11	Pass
NVNT	ac80	5210	ANT13	-5.551	11	Pass
NVNT	n20	5180	ANT13	5.238	11	Pass
NVNT	n20	5200	ANT13	5.686	11	Pass
NVNT	n20	5240	ANT13	5.349	11	Pass
NVNT	n40	5190	ANT13	0.19	11	Pass
NVNT	n40	5230	ANT13	-0.123	11	Pass

Test Graphs

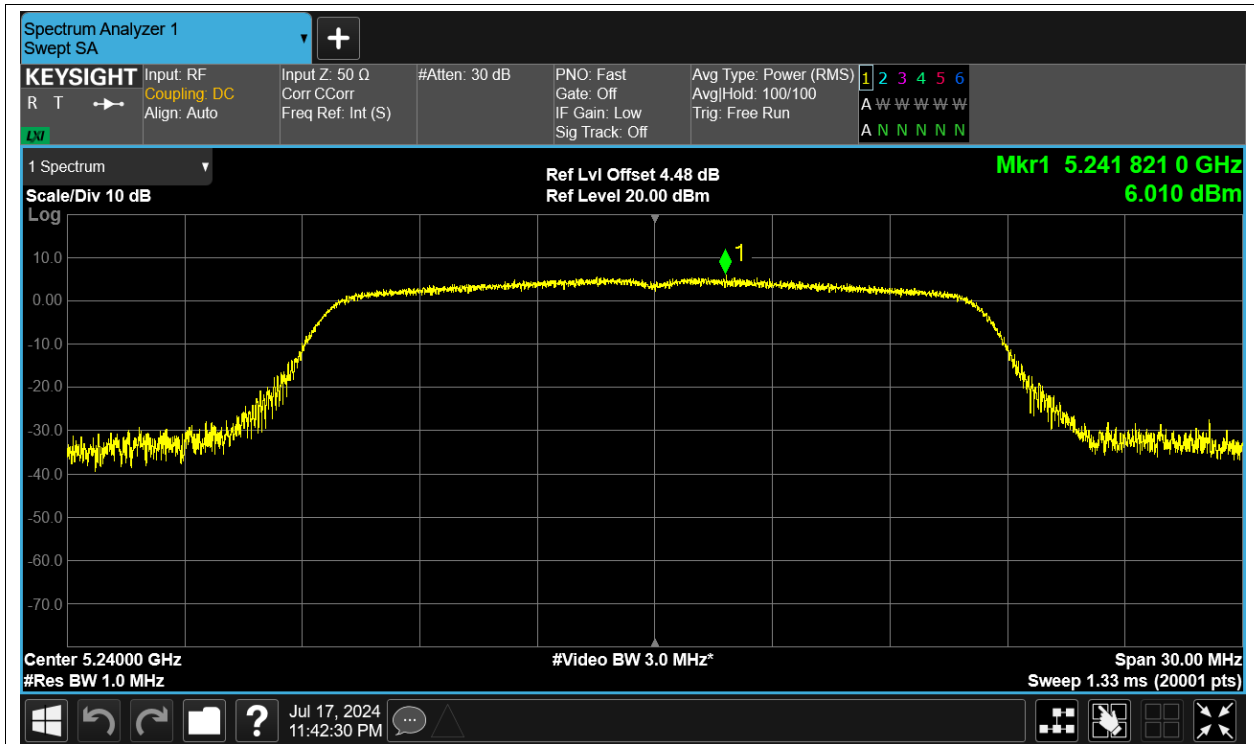
PSD NVNT a 5180MHz ANT13



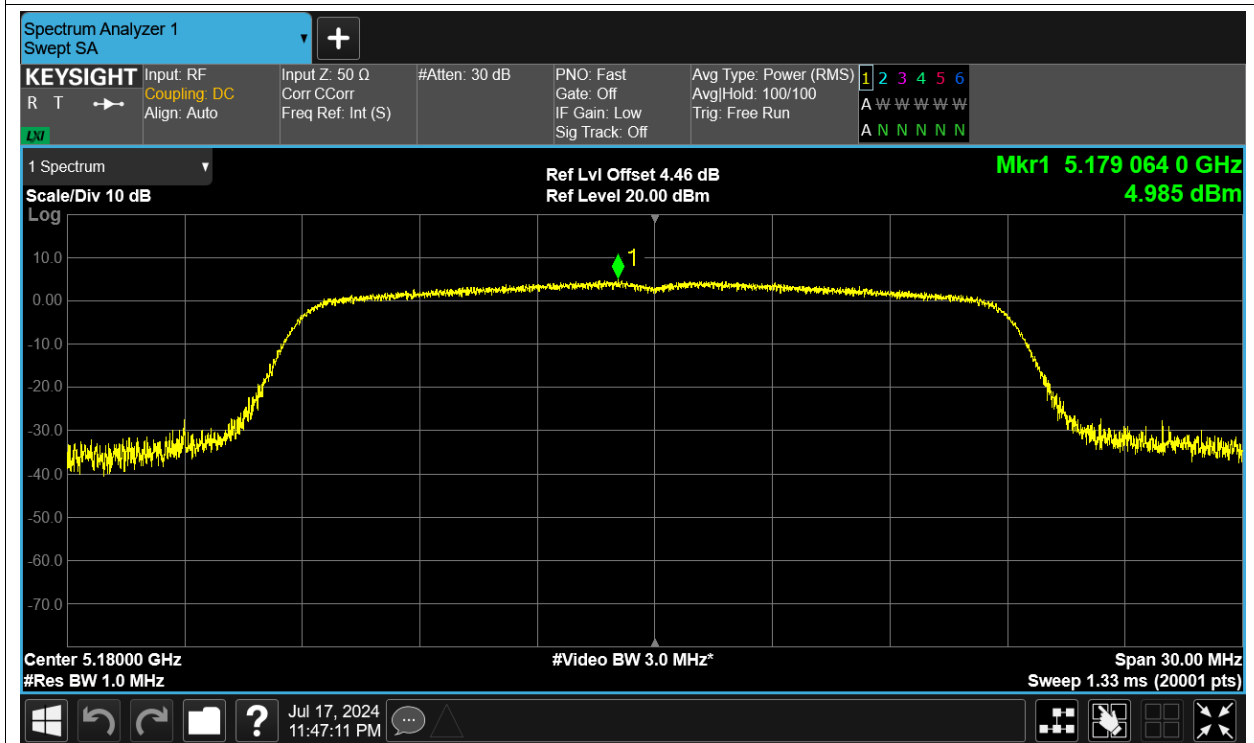
PSD NVNT a 5200MHz ANT13



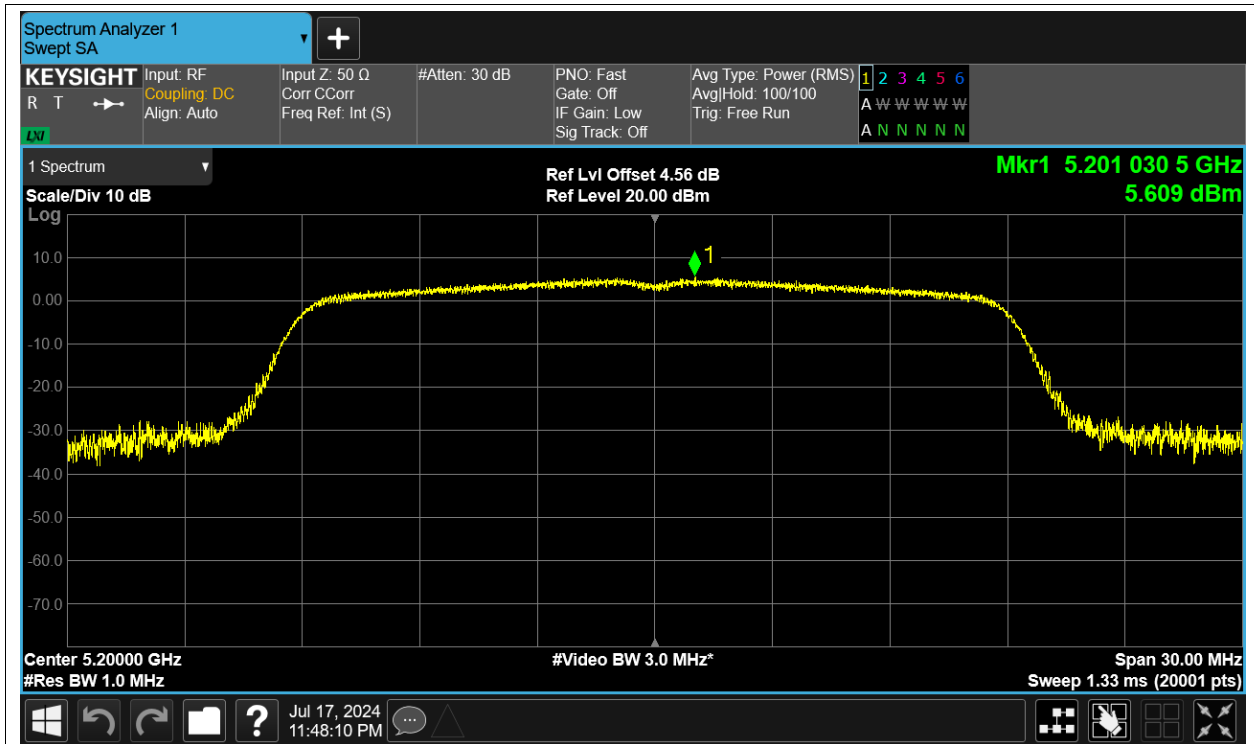
PSD NVNT a 5240MHz ANT13



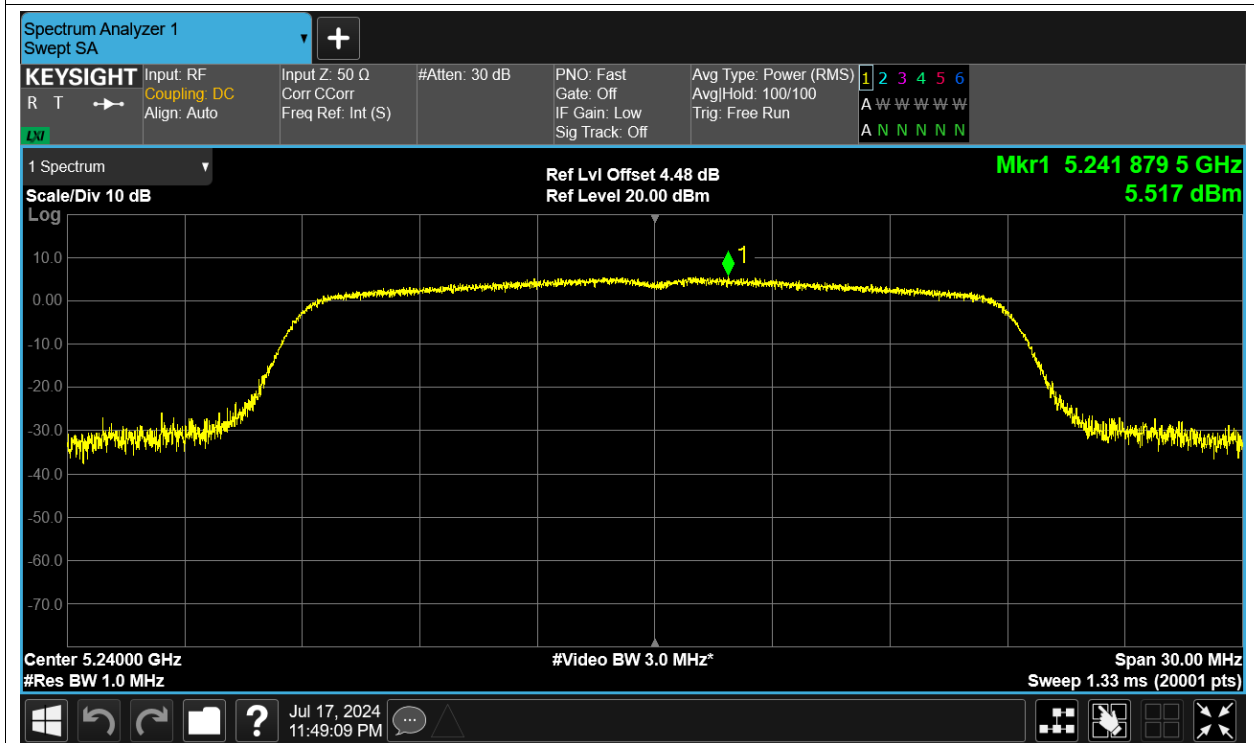
PSD NVNT ac20 5180MHz ANT13



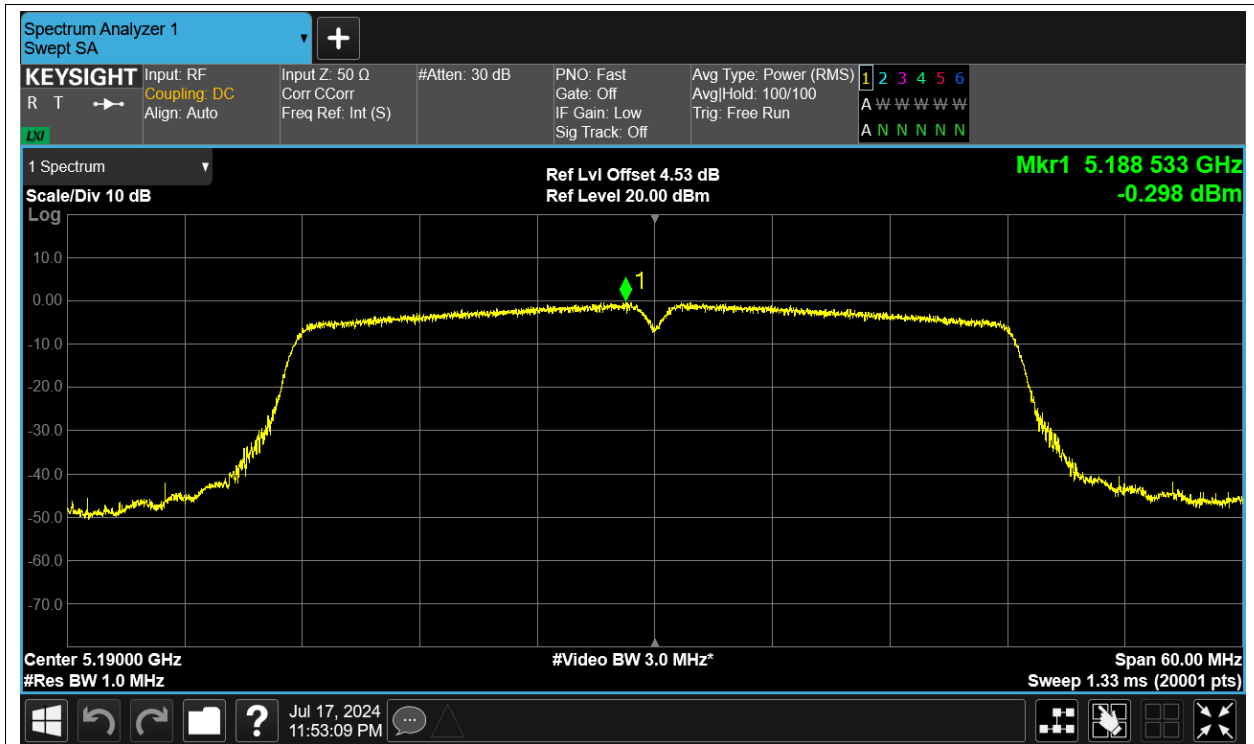
PSD NVNT ac20 5200MHz ANT13



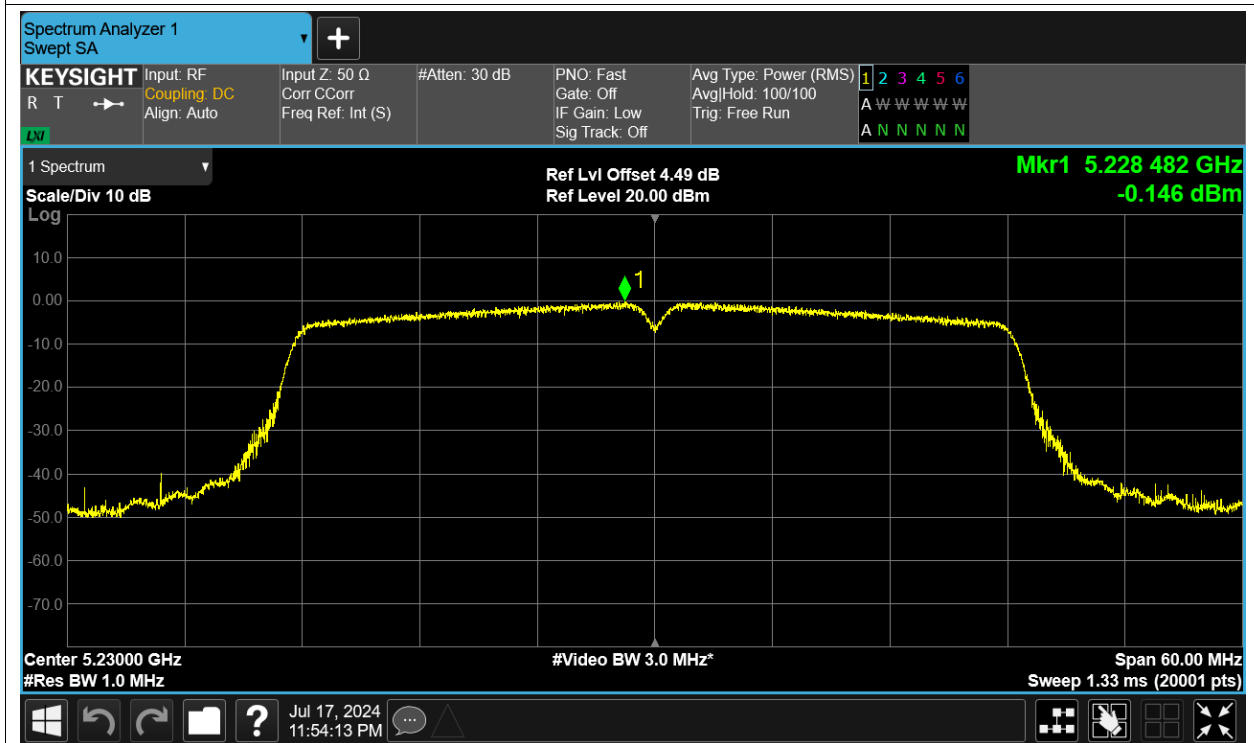
PSD NVNT ac20 5240MHz ANT13



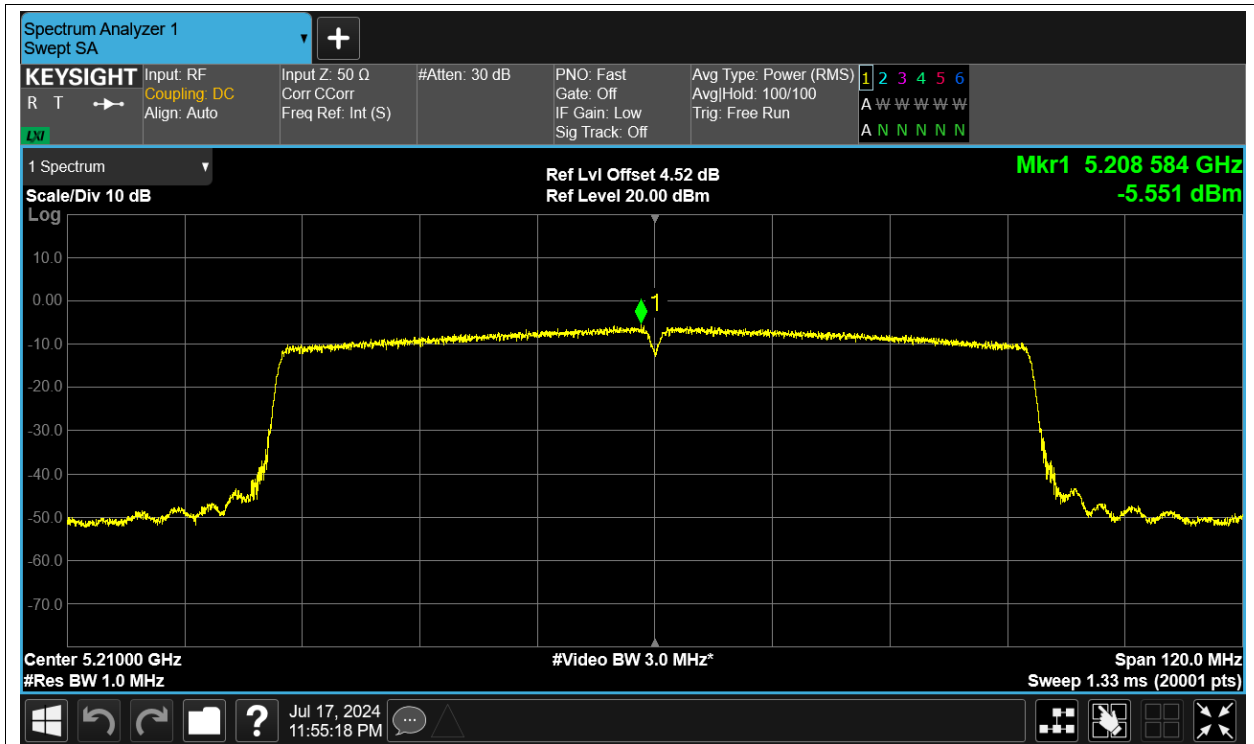
PSD NVNT ac40 5190MHz ANT13



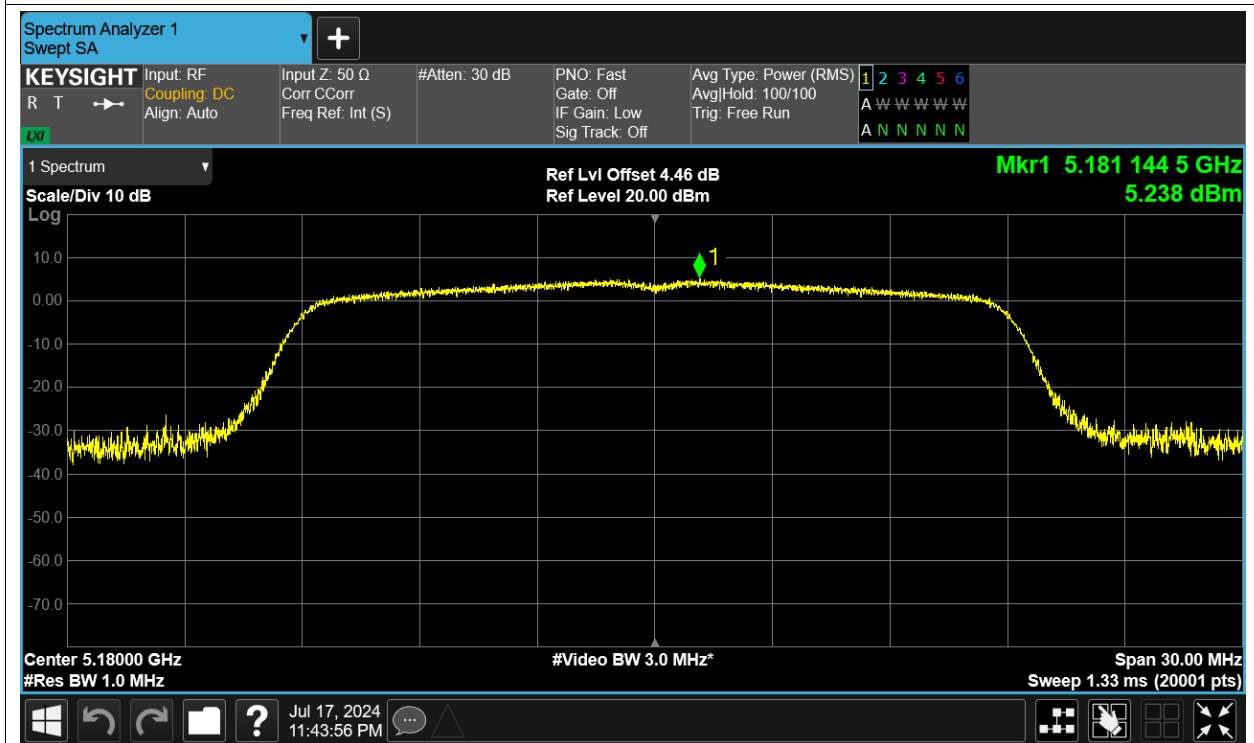
PSD NVNT ac40 5230MHz ANT13



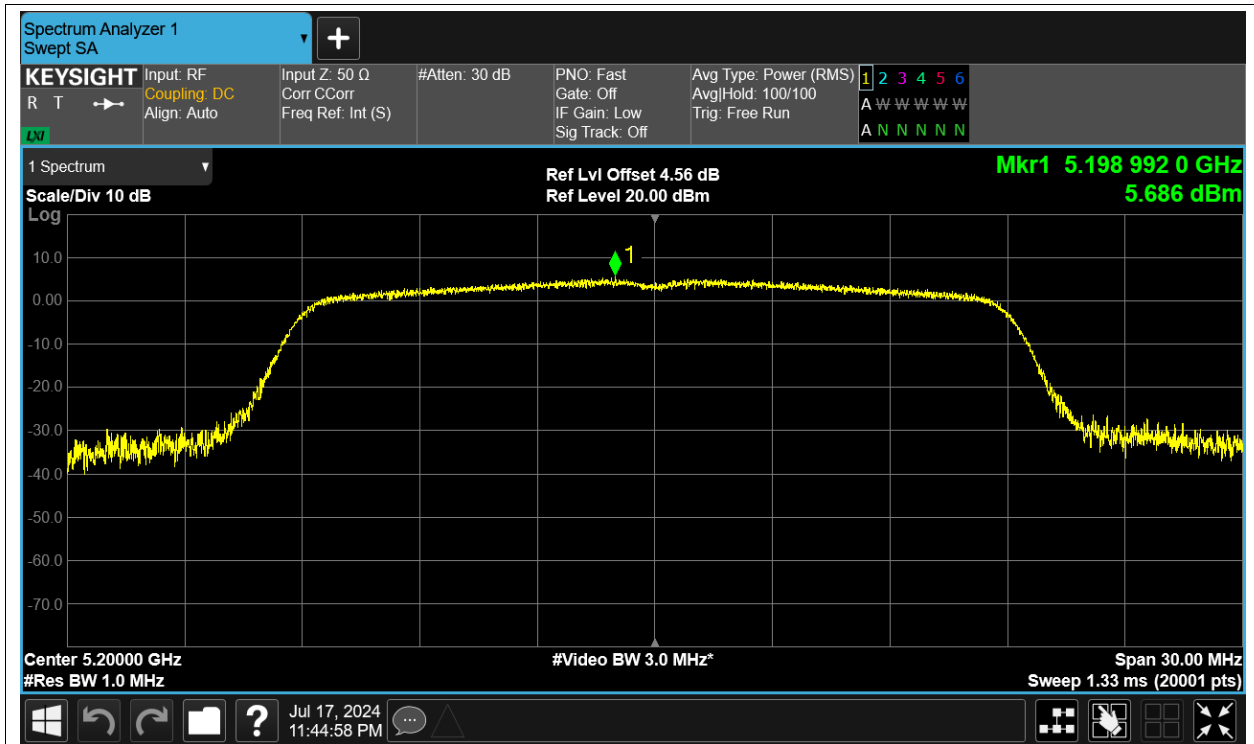
PSD NVNT ac80 5210MHz ANT13



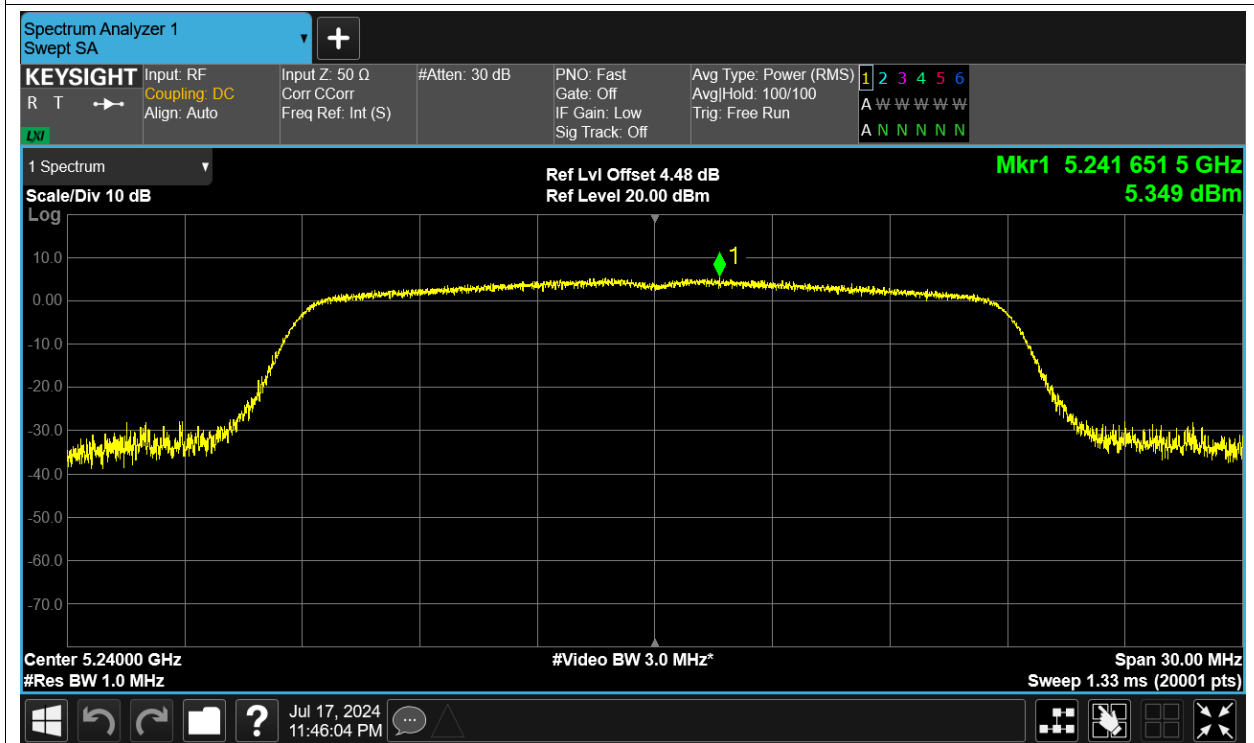
PSD NVNT n20 5180MHz ANT13



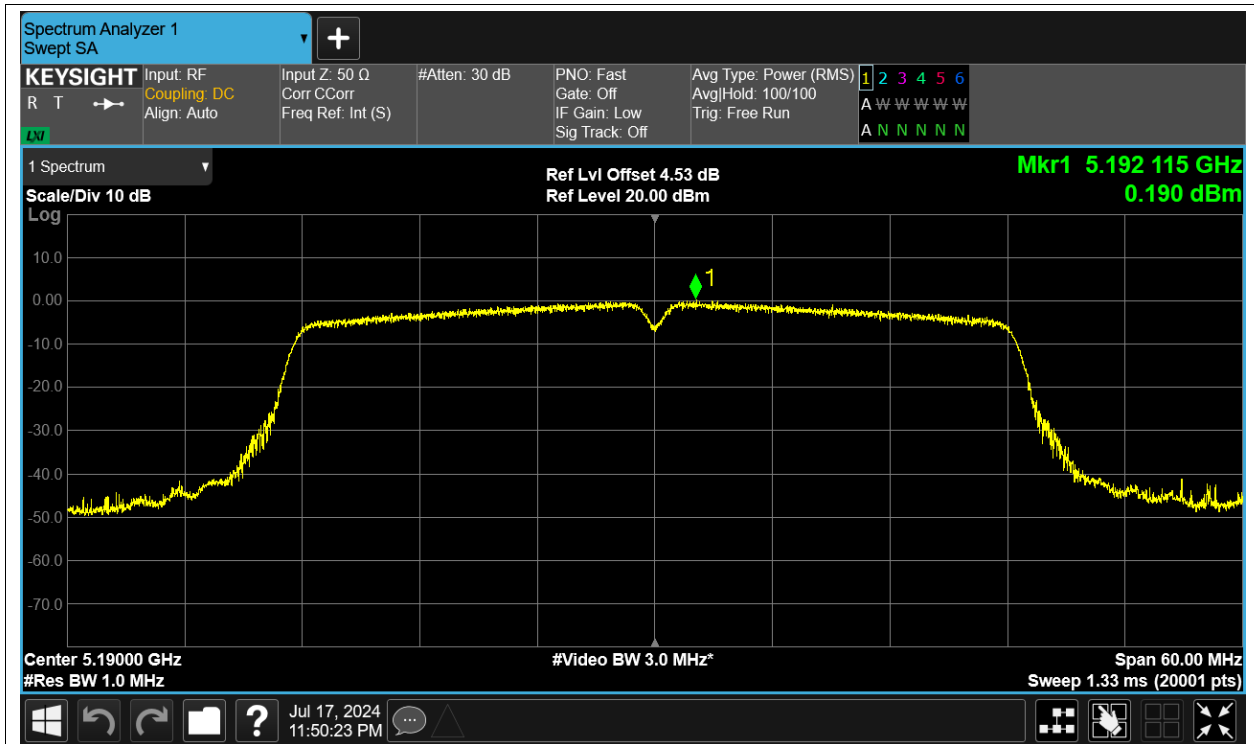
PSD NVNT n20 5200MHz ANT13



PSD NVNT n20 5240MHz ANT13



PSD NVNT n40 5190MHz ANT13



PSD NVNT n40 5230MHz ANT13

