

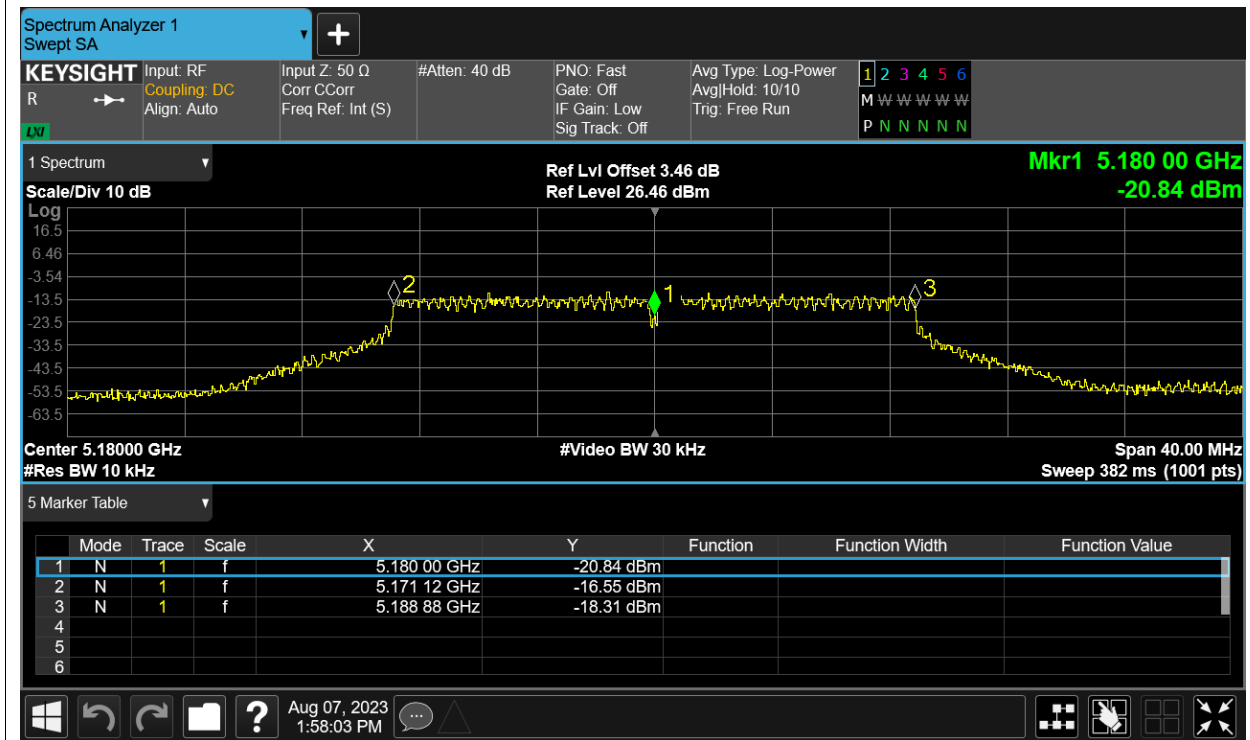
Test Data

Frequency Stability

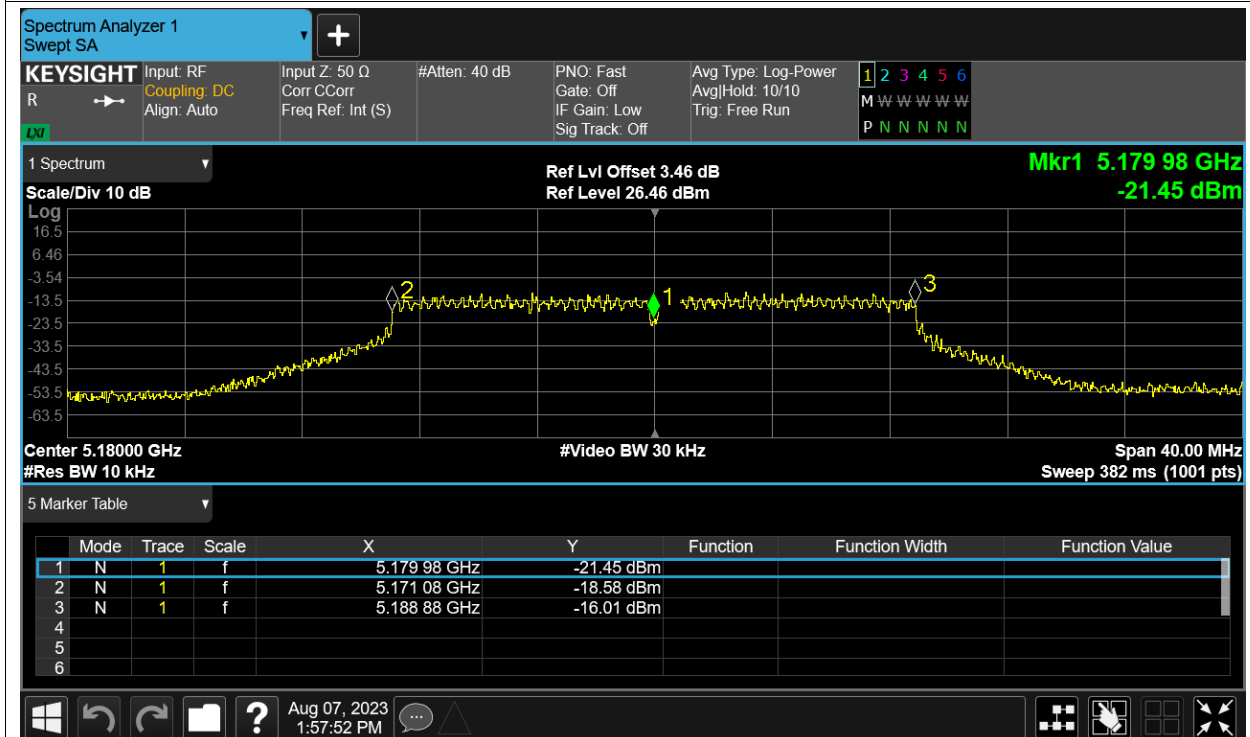
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5180	0	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.98	-3.86		Pass
NVHT	a	5180	Ant1	5179.98	-3.86		Pass
NVLT	a	5180	Ant1	5179.98	-3.86		Pass
NVNT	a	5180	Ant1	5179.98	-3.86		Pass
HVNT	ac80	5210	Ant1	5210	0		Pass
LVNT	ac80	5210	Ant1	5210	0		Pass
NVHT	ac80	5210	Ant1	5210	0		Pass
NVLT	ac80	5210	Ant1	5210	0		Pass
NVNT	ac80	5210	Ant1	5210	0		Pass
HVNT	n40	5190	Ant1	5190	0		Pass
LVNT	n40	5190	Ant1	5189.96	-7.71		Pass
NVHT	n40	5190	Ant1	5190	0		Pass
NVLT	n40	5190	Ant1	5190	0		Pass
NVNT	n40	5190	Ant1	5189.96	-7.71		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

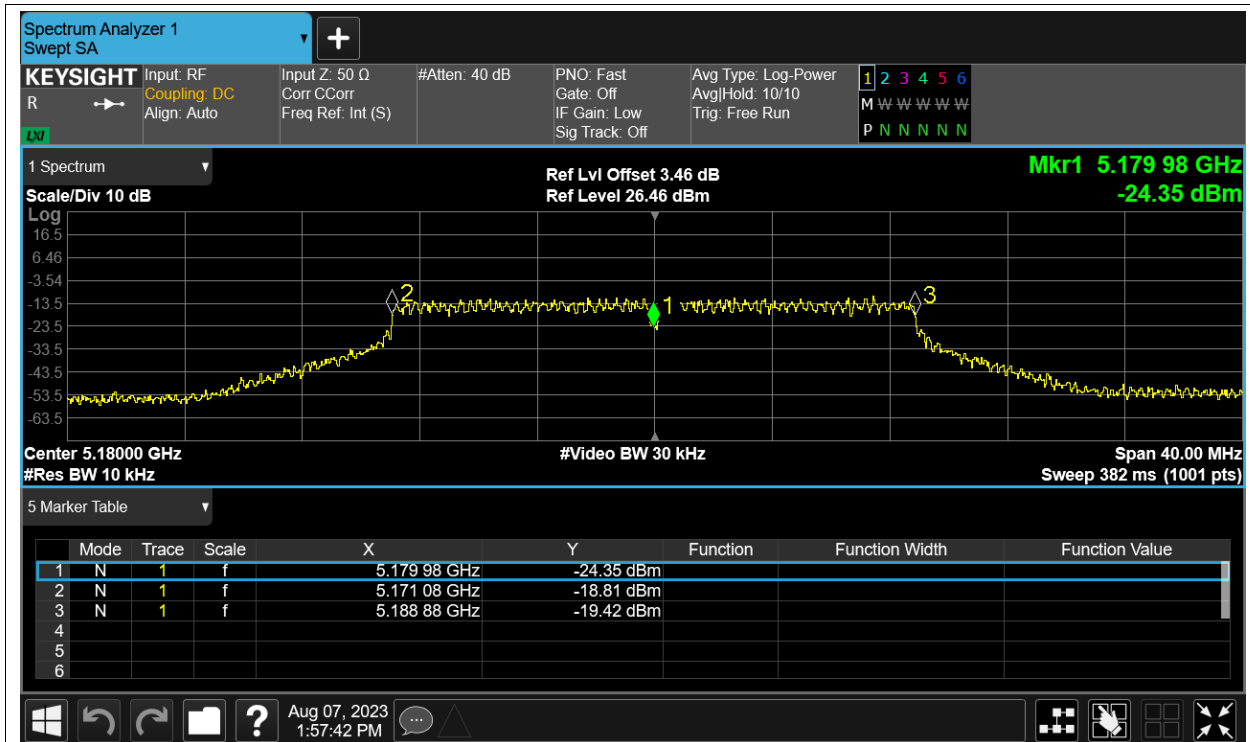
Freq. Stability HVNT a 5180MHz Ant1



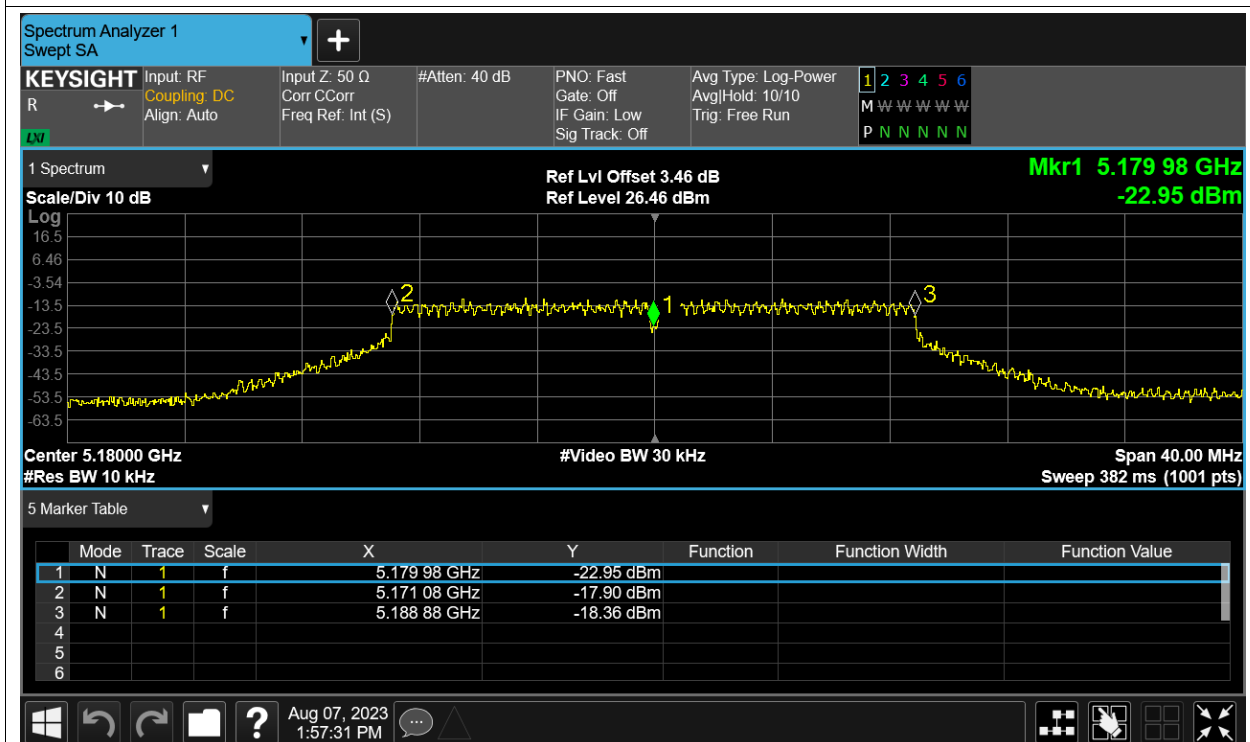
Freq. Stability LVNT a 5180MHz Ant1



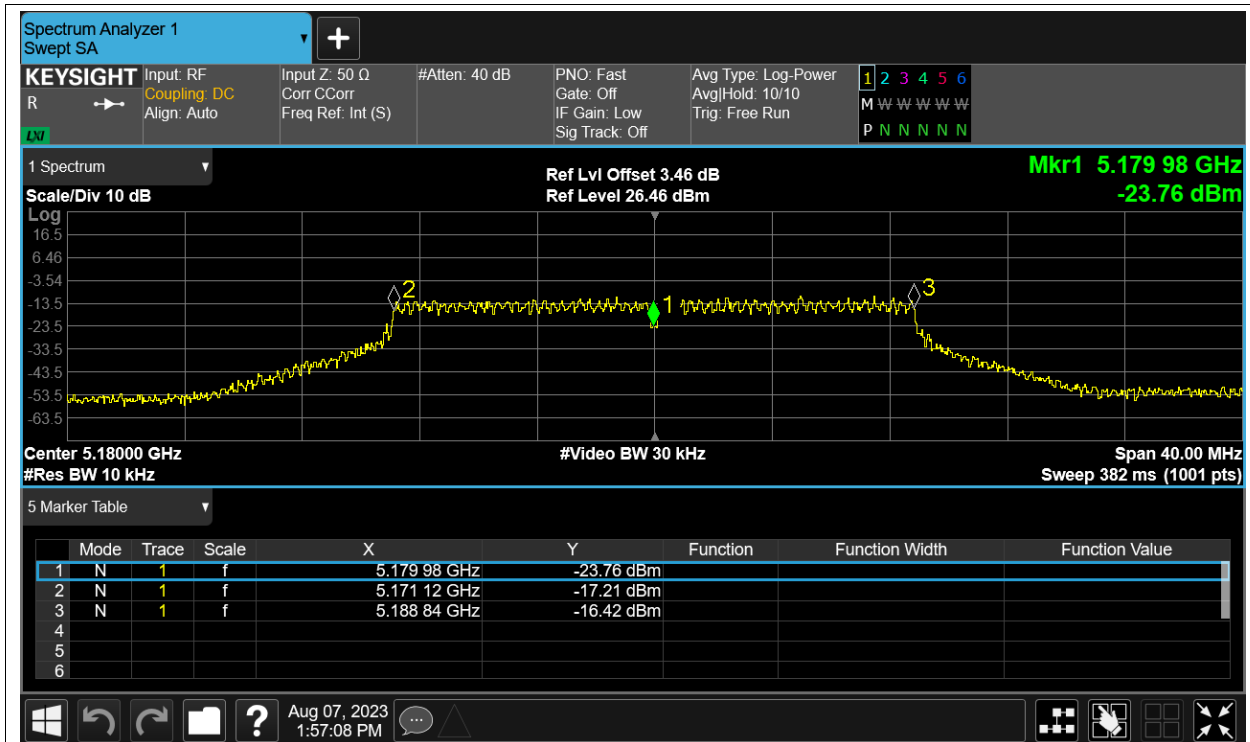
Freq. Stability NVHT a 5180MHz Ant1



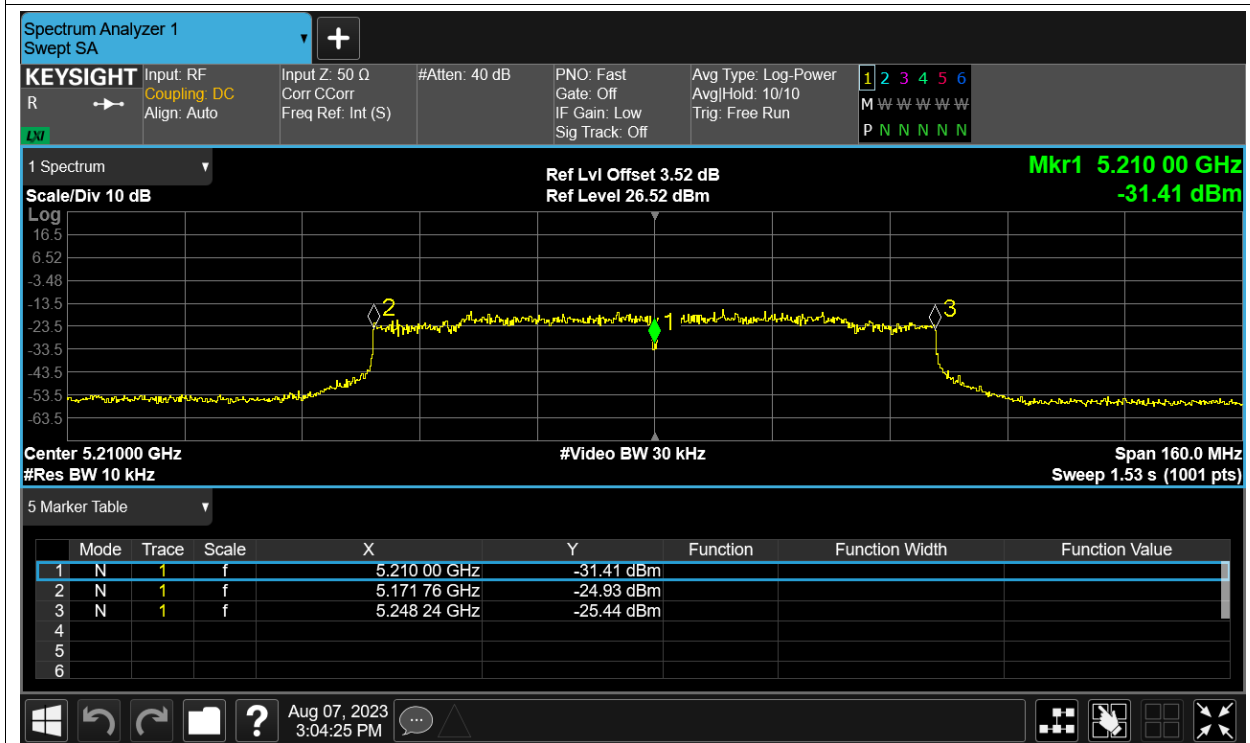
Freq. Stability NVLT a 5180MHz Ant1



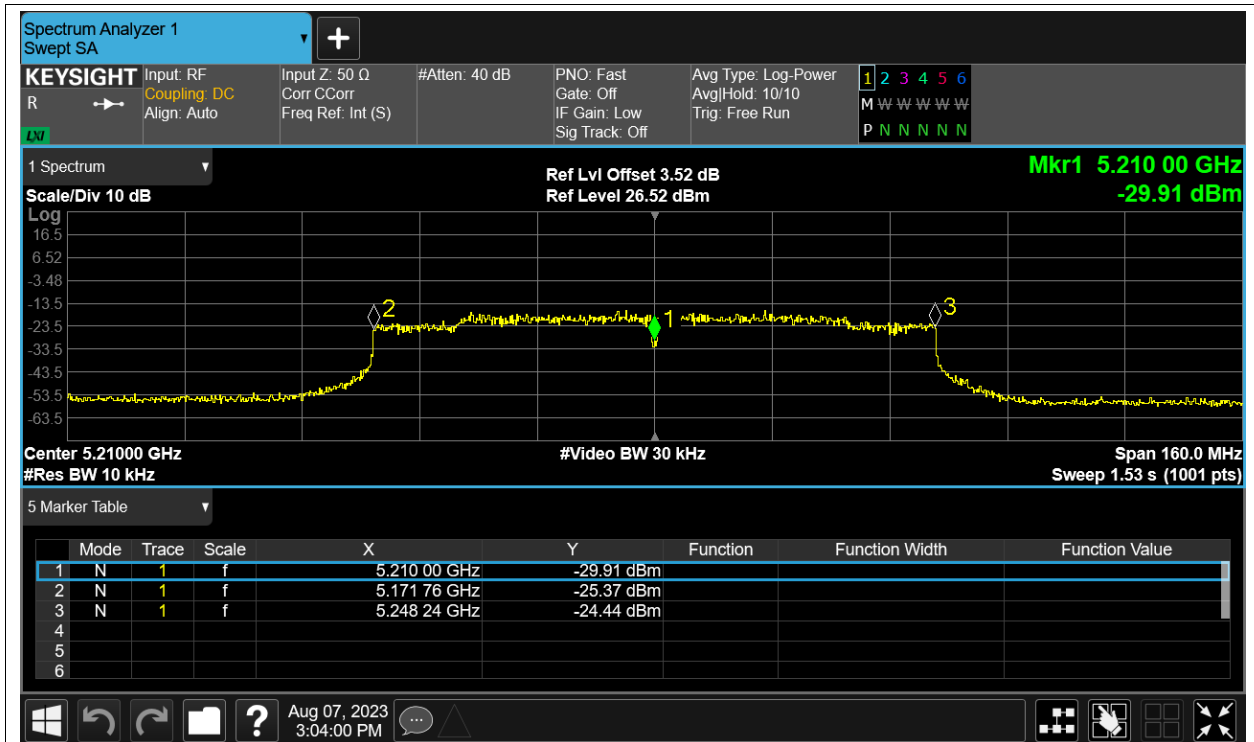
Freq. Stability NVNT a 5180MHz Ant1



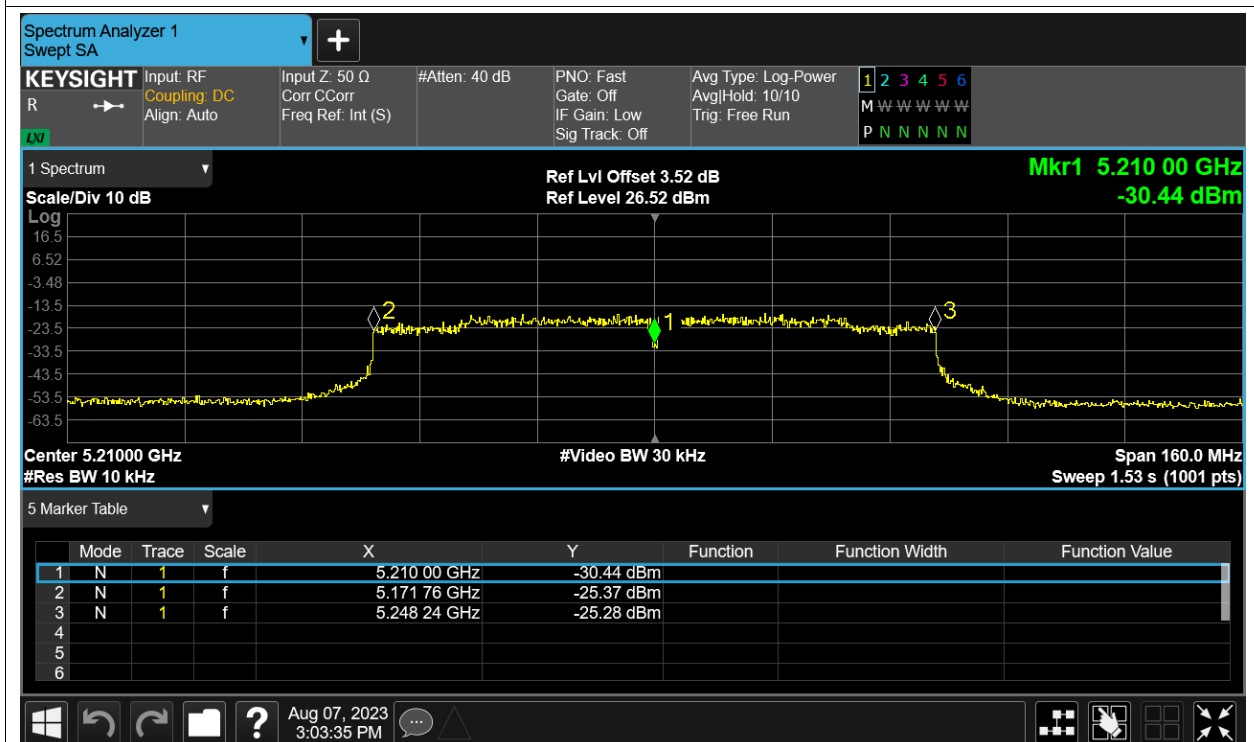
Freq. Stability HVNT ac80 5210MHz Ant1



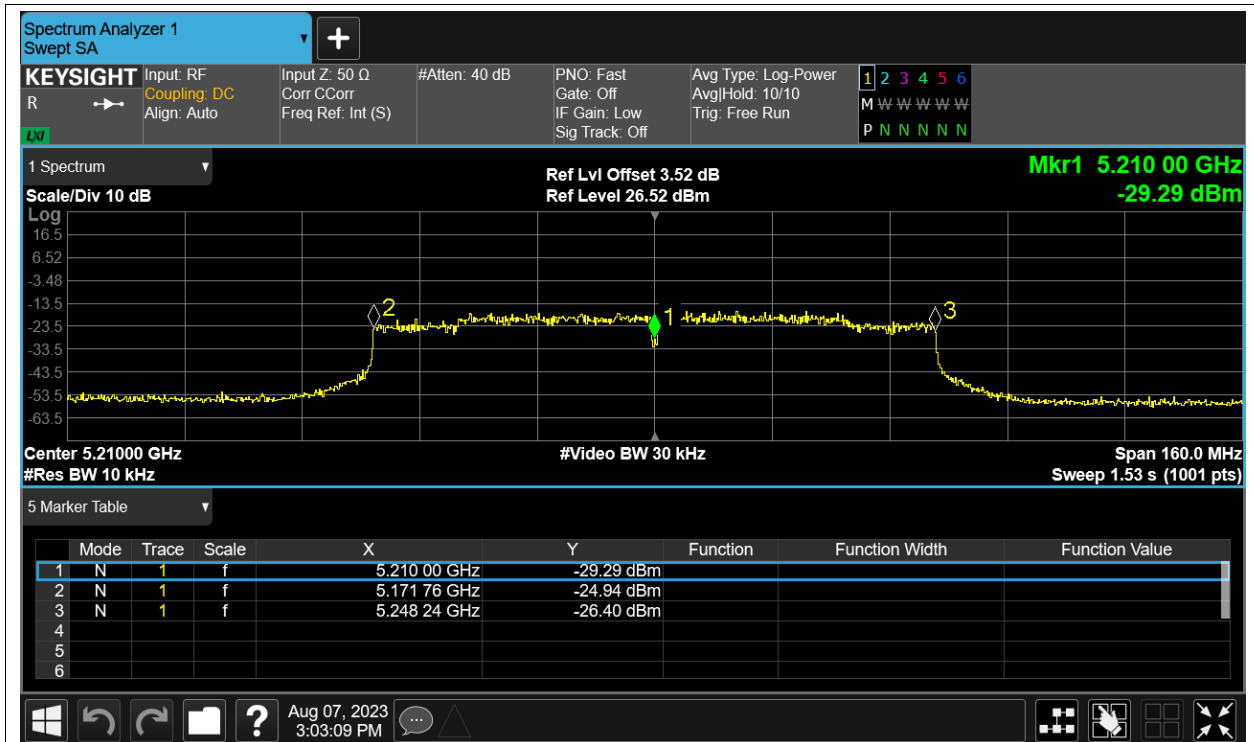
Freq. Stability LVNT ac80 5210MHz Ant1



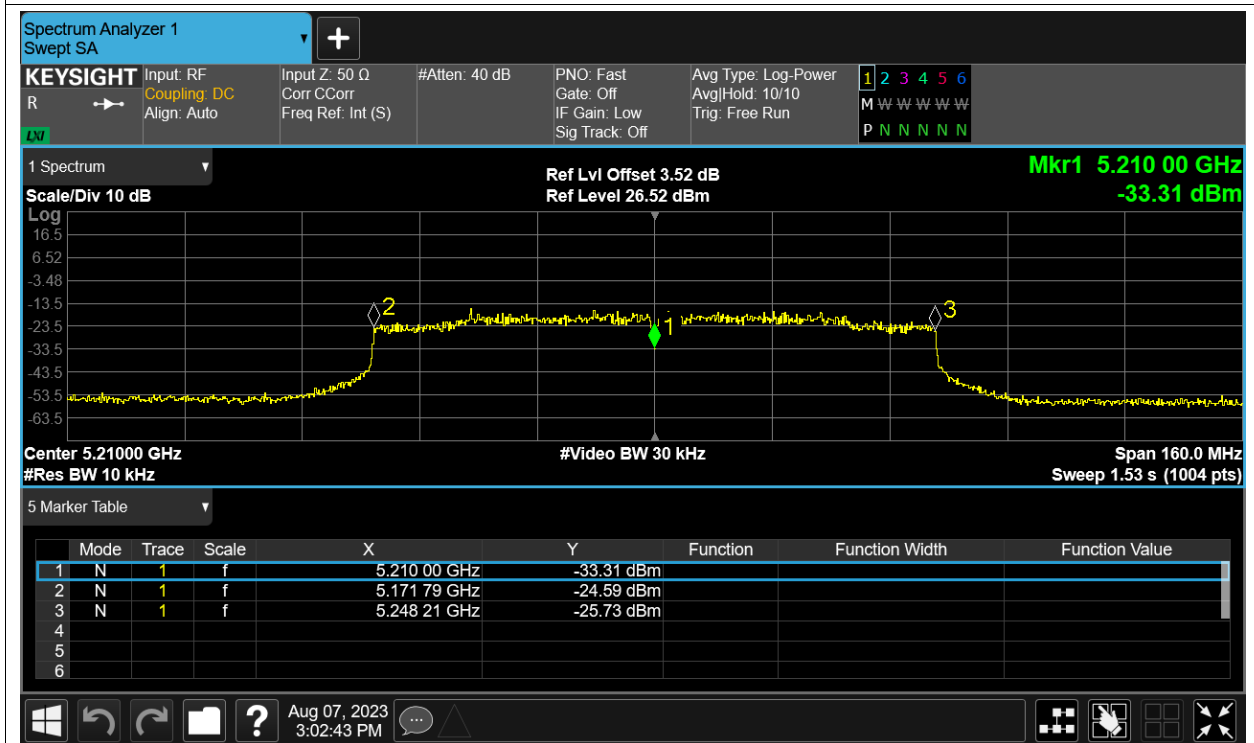
Freq. Stability NVHT ac80 5210MHz Ant1



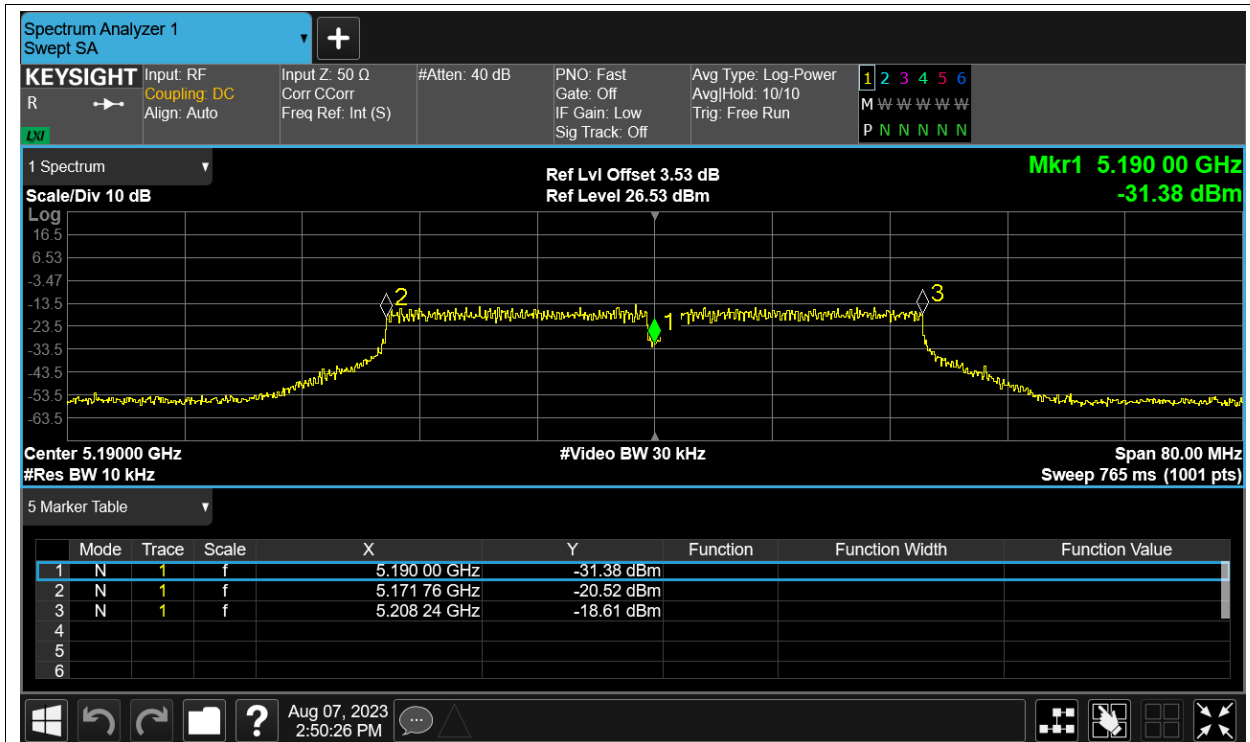
Freq. Stability NVLT ac80 5210MHz Ant1



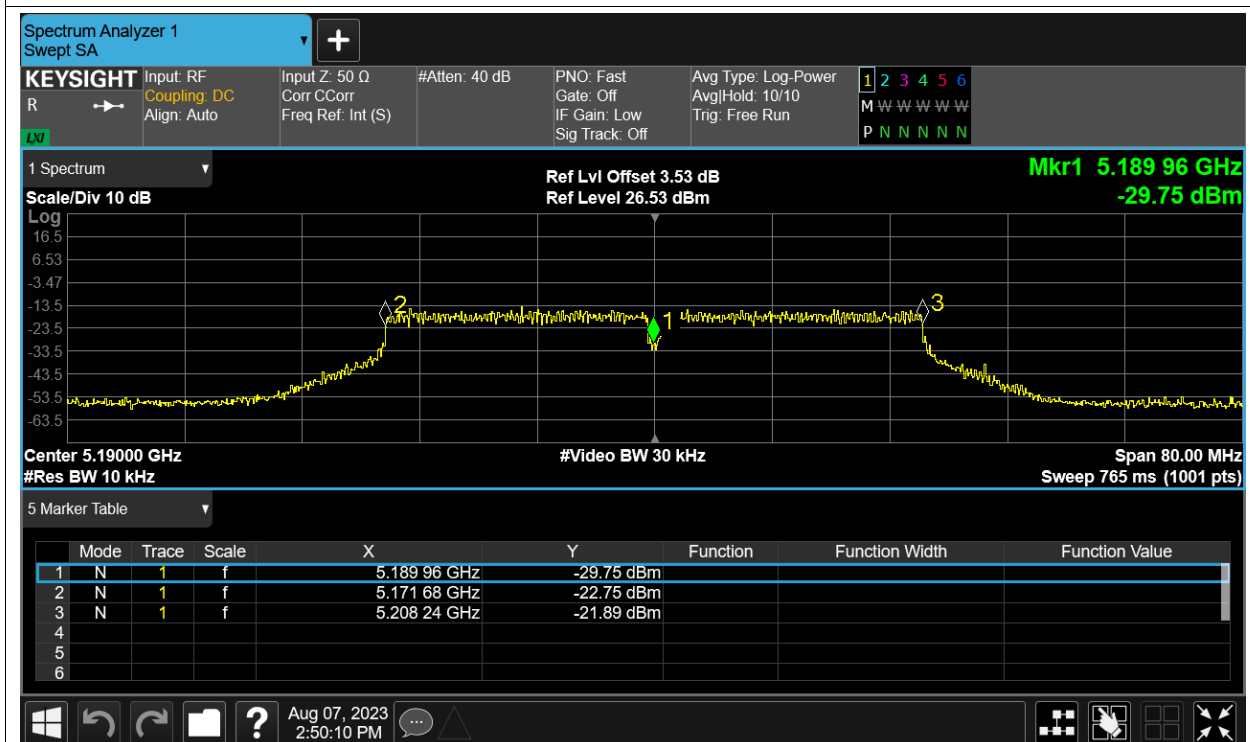
Freq. Stability NVNT ac80 5210MHz Ant1



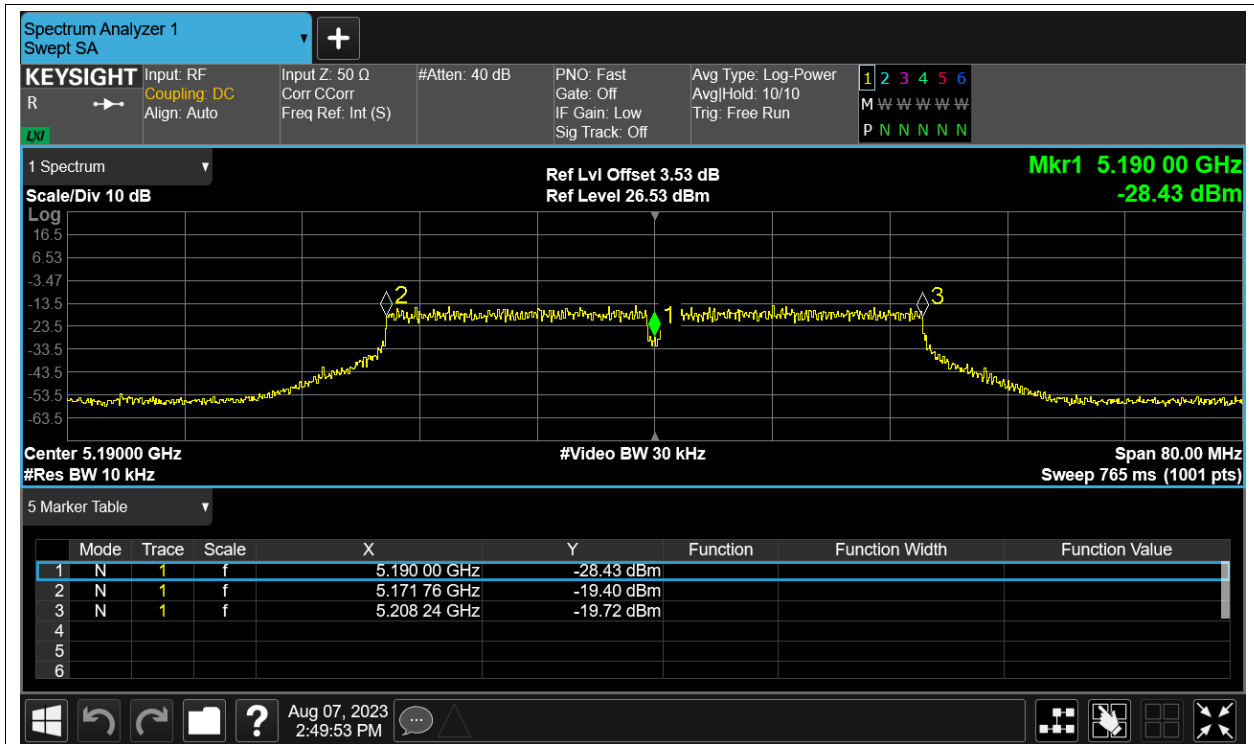
Freq. Stability HVNT n40 5190MHz Ant1



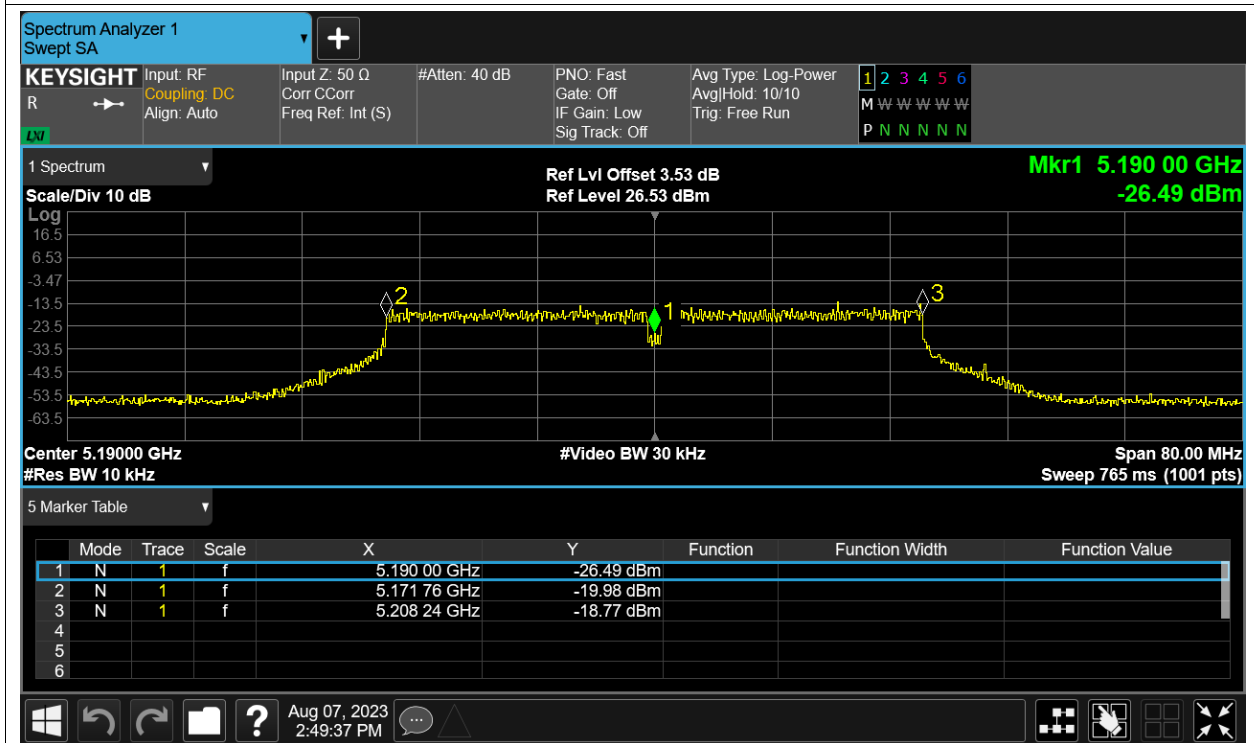
Freq. Stability LVNT n40 5190MHz Ant1



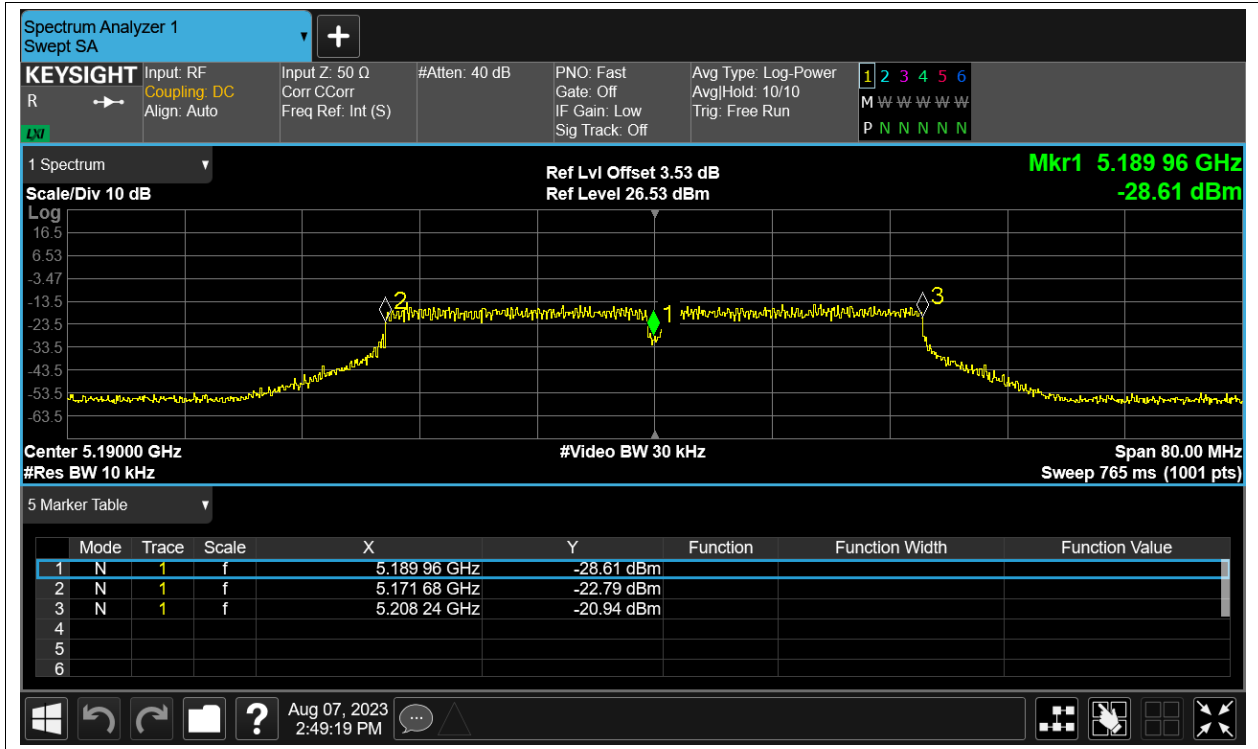
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

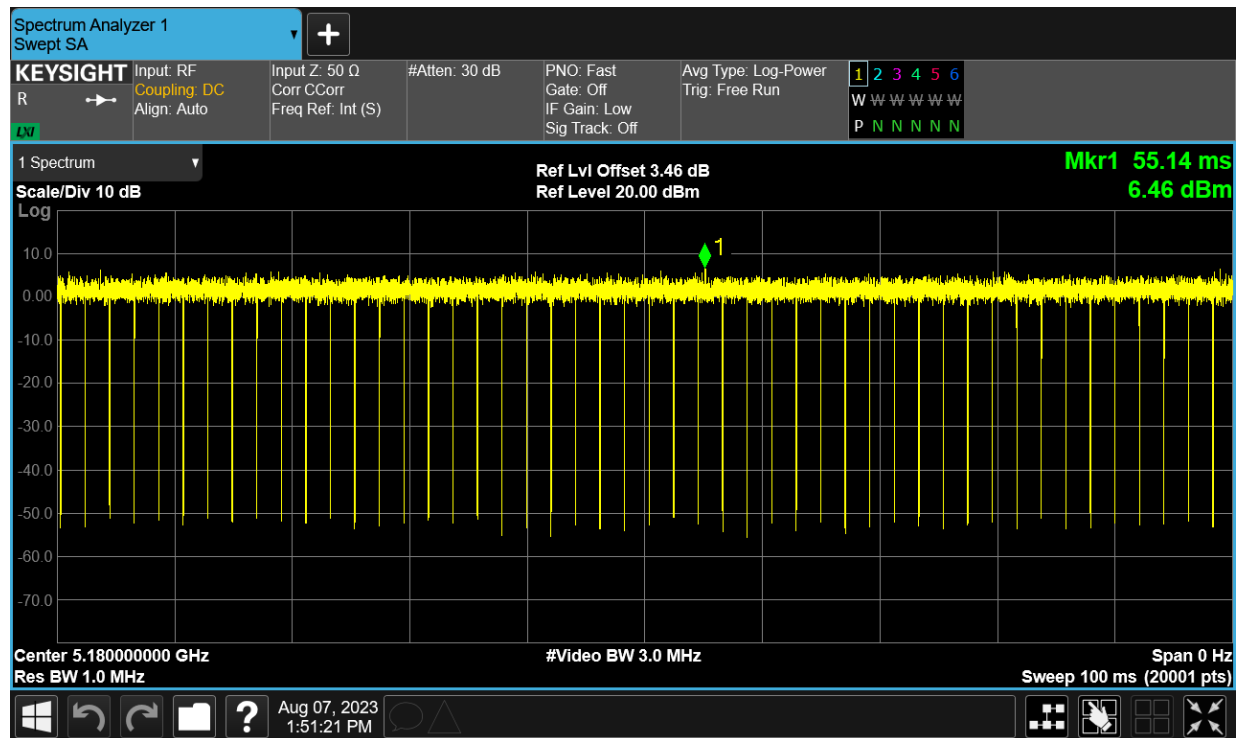


Duty Cycle

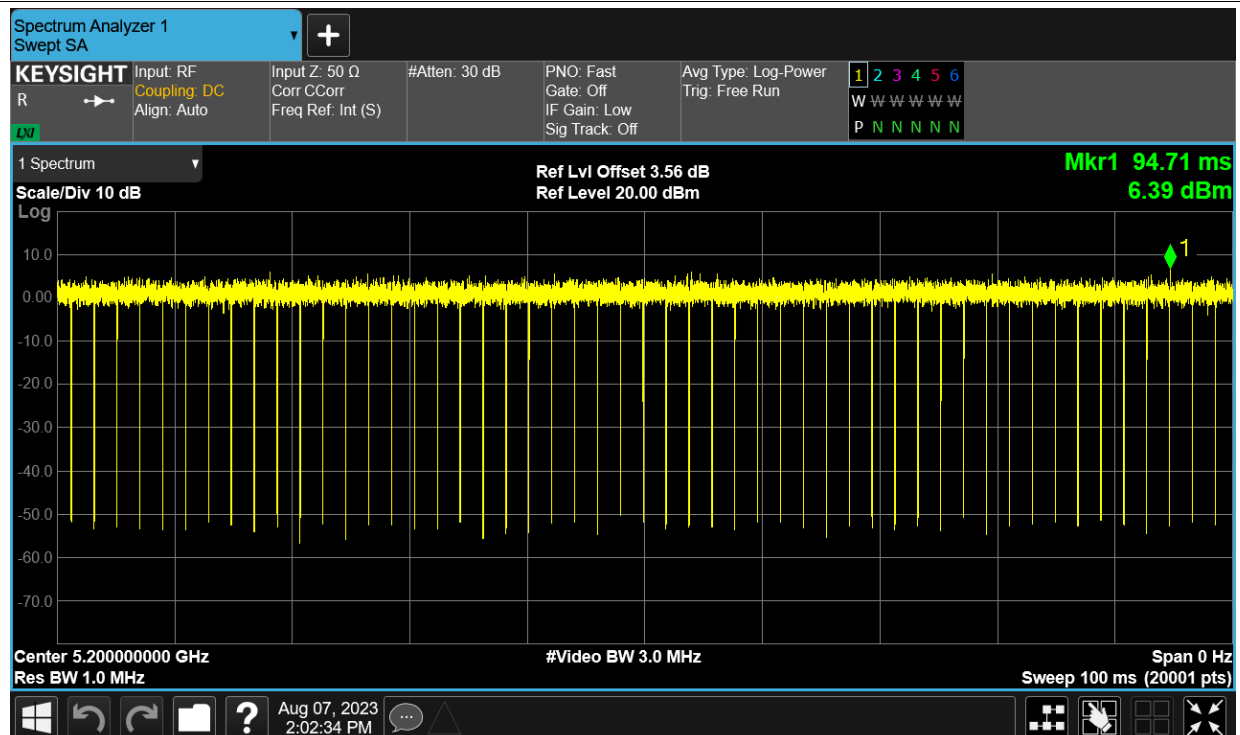
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	98.47	0.07
NVNT	a	5200	Ant1	98.33	0.07
NVNT	a	5240	Ant1	98.46	0.07
NVNT	ac20	5180	Ant1	98.44	0.07
NVNT	ac20	5200	Ant1	98.33	0.07
NVNT	ac20	5240	Ant1	98.43	0.07
NVNT	ac40	5190	Ant1	96.68	0.15
NVNT	ac40	5230	Ant1	96.68	0.15
NVNT	ac80	5210	Ant1	93.37	0.3
NVNT	n20	5180	Ant1	98.33	0.07
NVNT	n20	5200	Ant1	98.33	0.07
NVNT	n20	5240	Ant1	98.29	0.08
NVNT	n40	5190	Ant1	96.69	0.15
NVNT	n40	5230	Ant1	96.65	0.15

Test Graphs

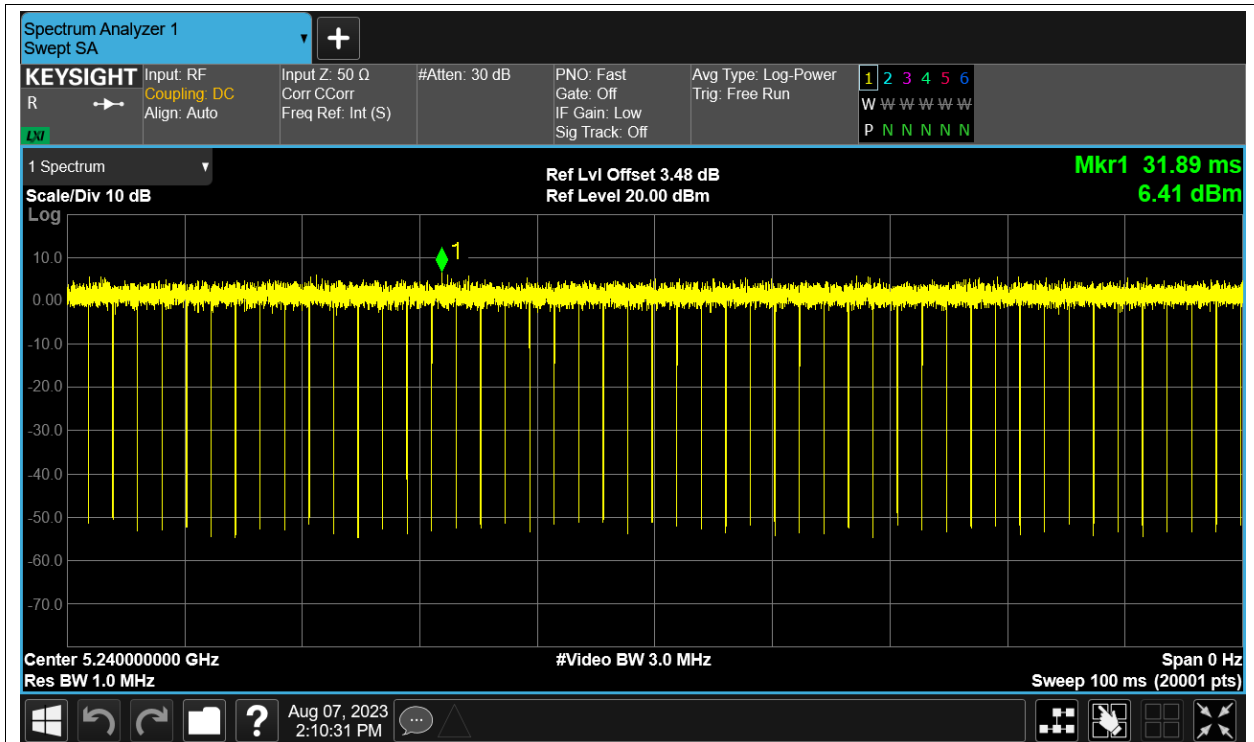
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1



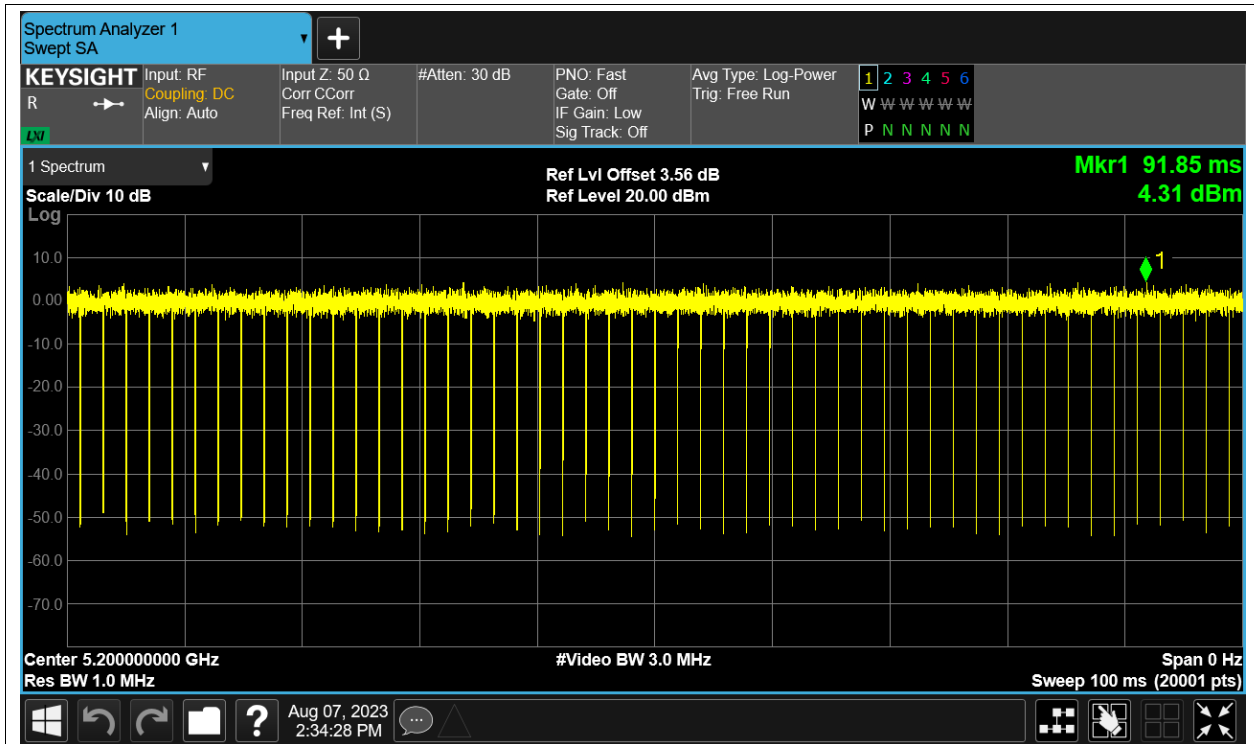
Duty Cycle NVNT a 5240MHz Ant1



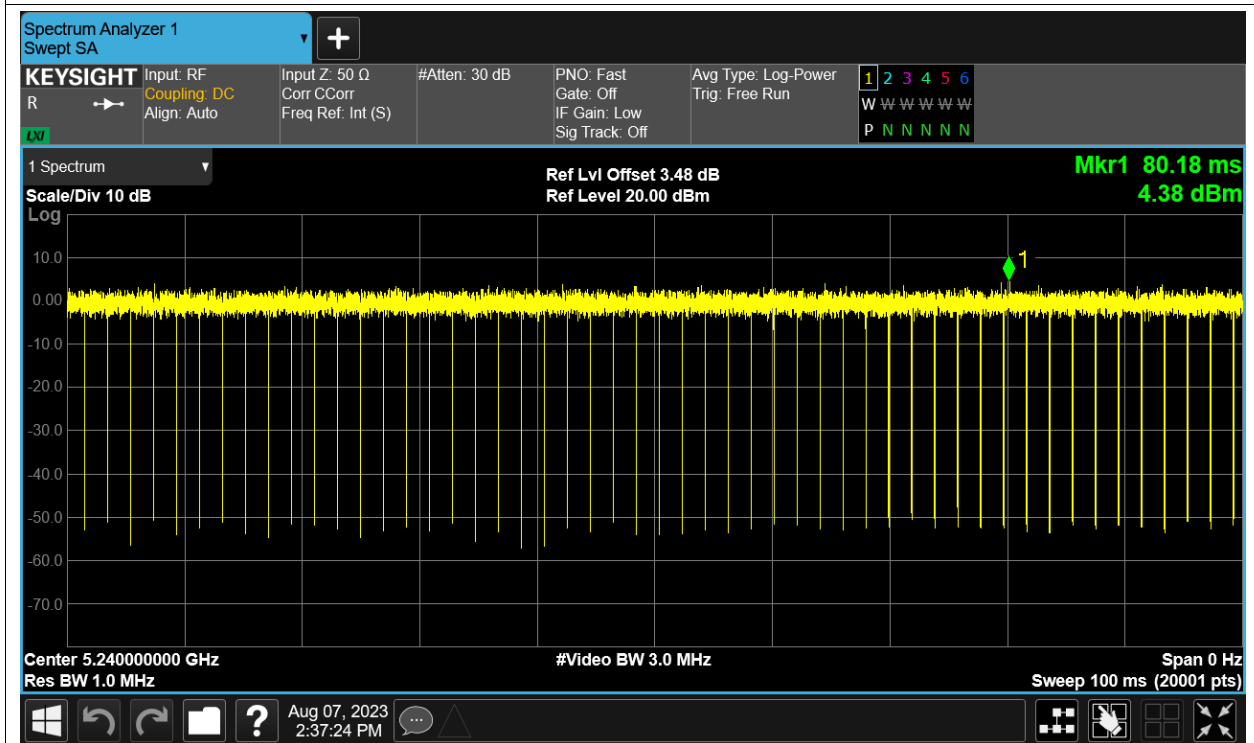
Duty Cycle NVNT ac20 5180MHz Ant1



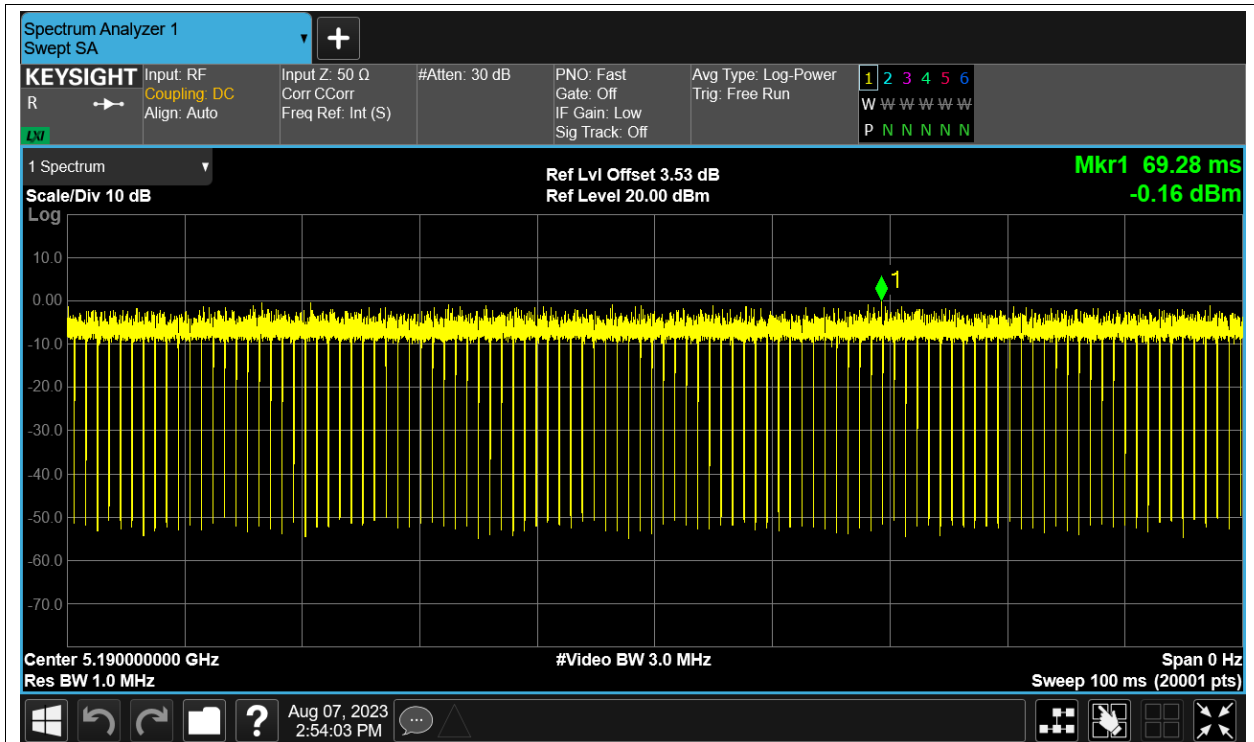
Duty Cycle NVNT ac20 5200MHz Ant1



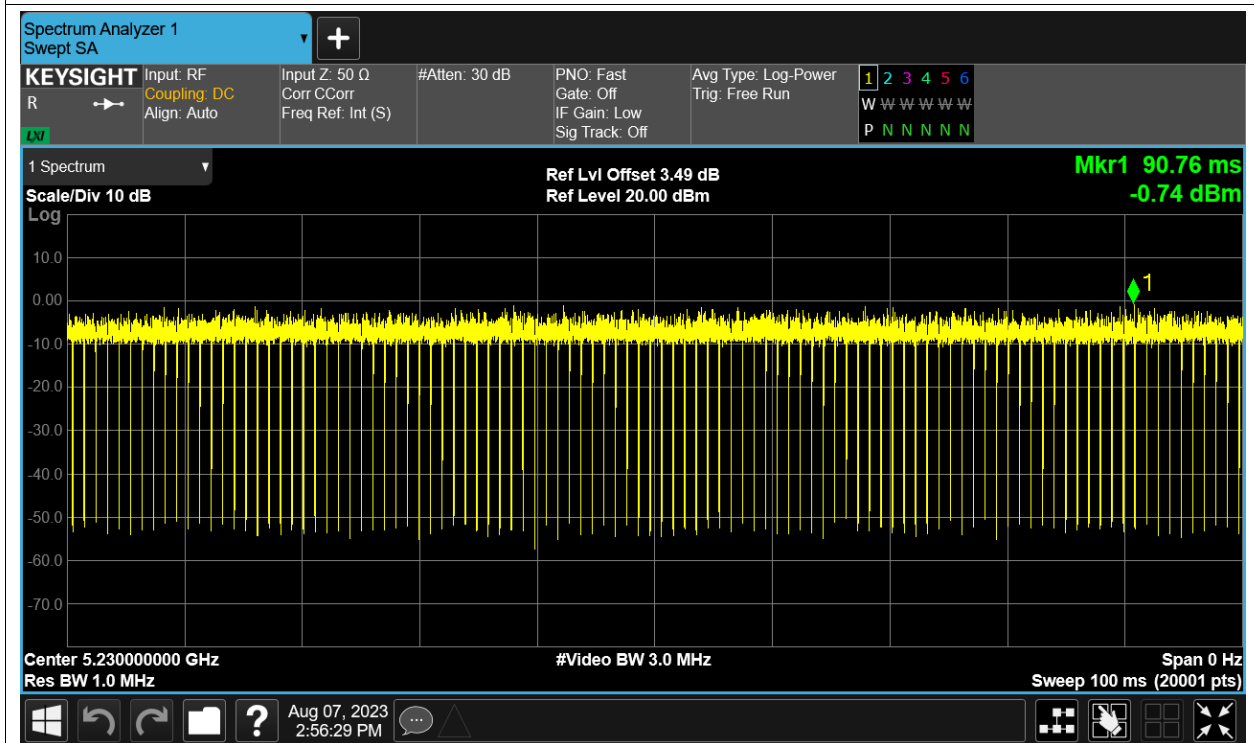
Duty Cycle NVNT ac20 5240MHz Ant1



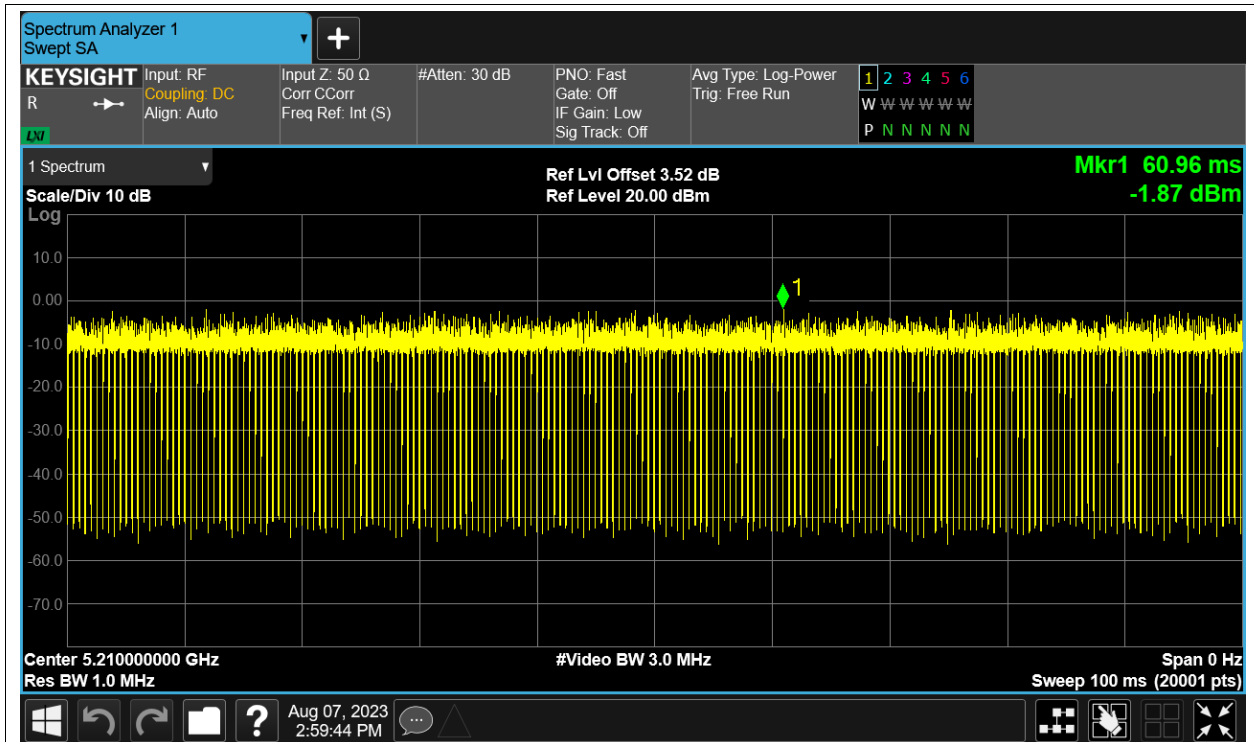
Duty Cycle NVNT ac40 5190MHz Ant1



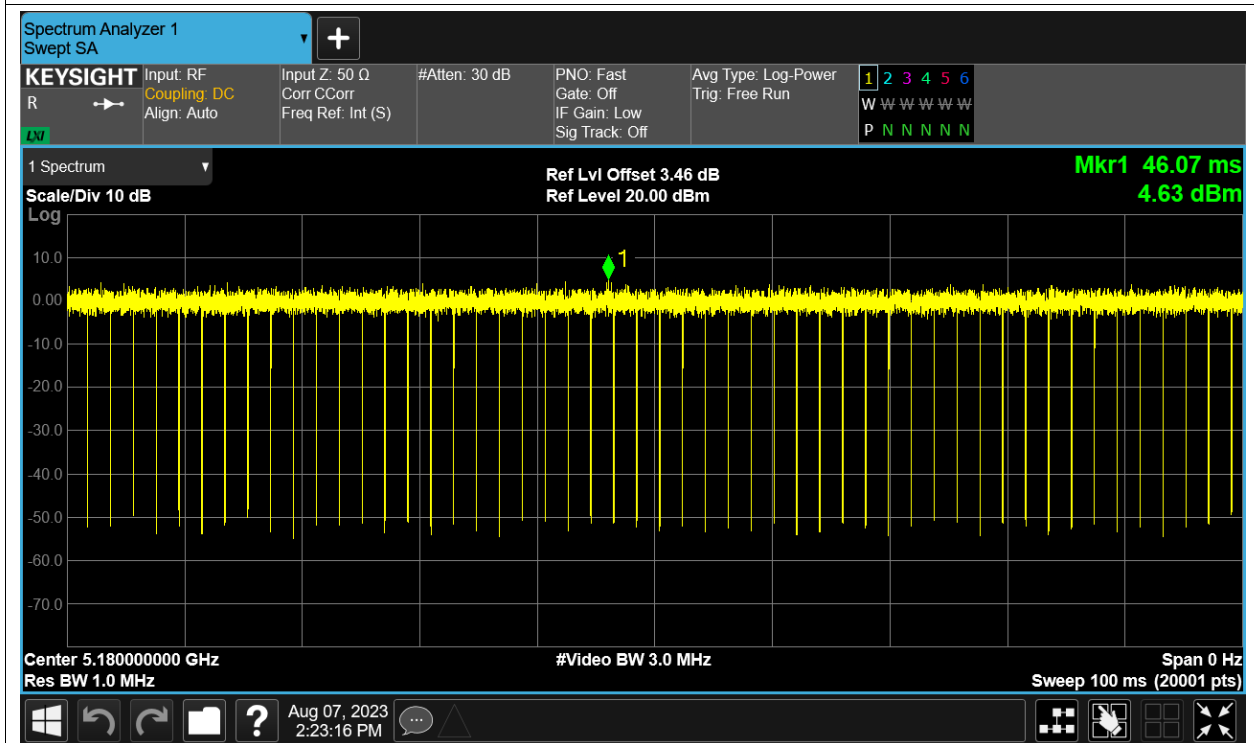
Duty Cycle NVNT ac40 5230MHz Ant1



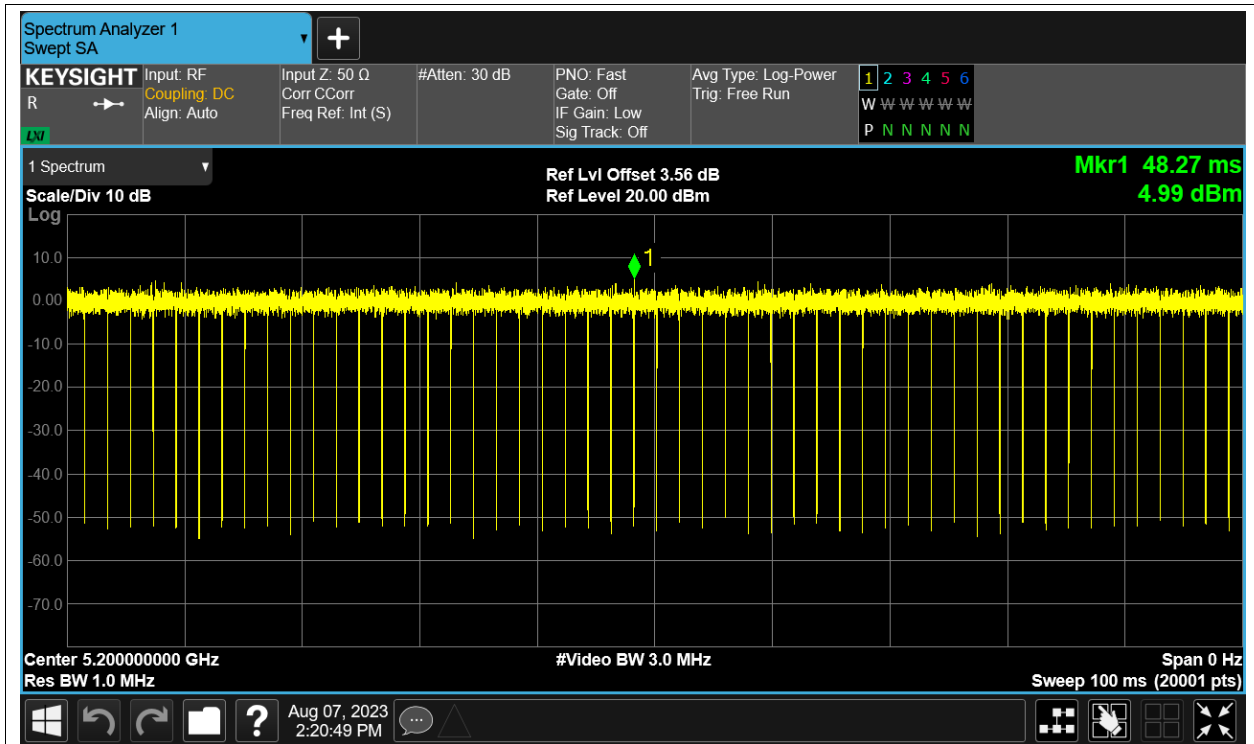
Duty Cycle NVNT ac80 5210MHz Ant1



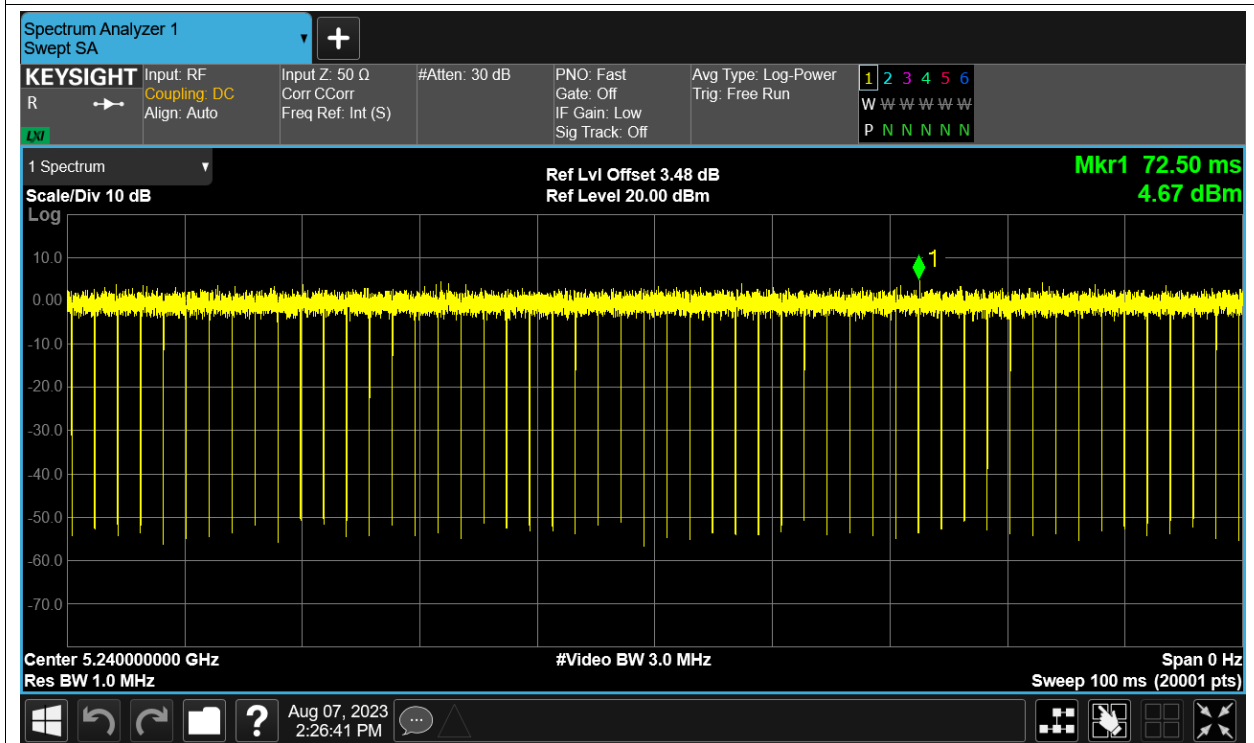
Duty Cycle NVNT n20 5180MHz Ant1



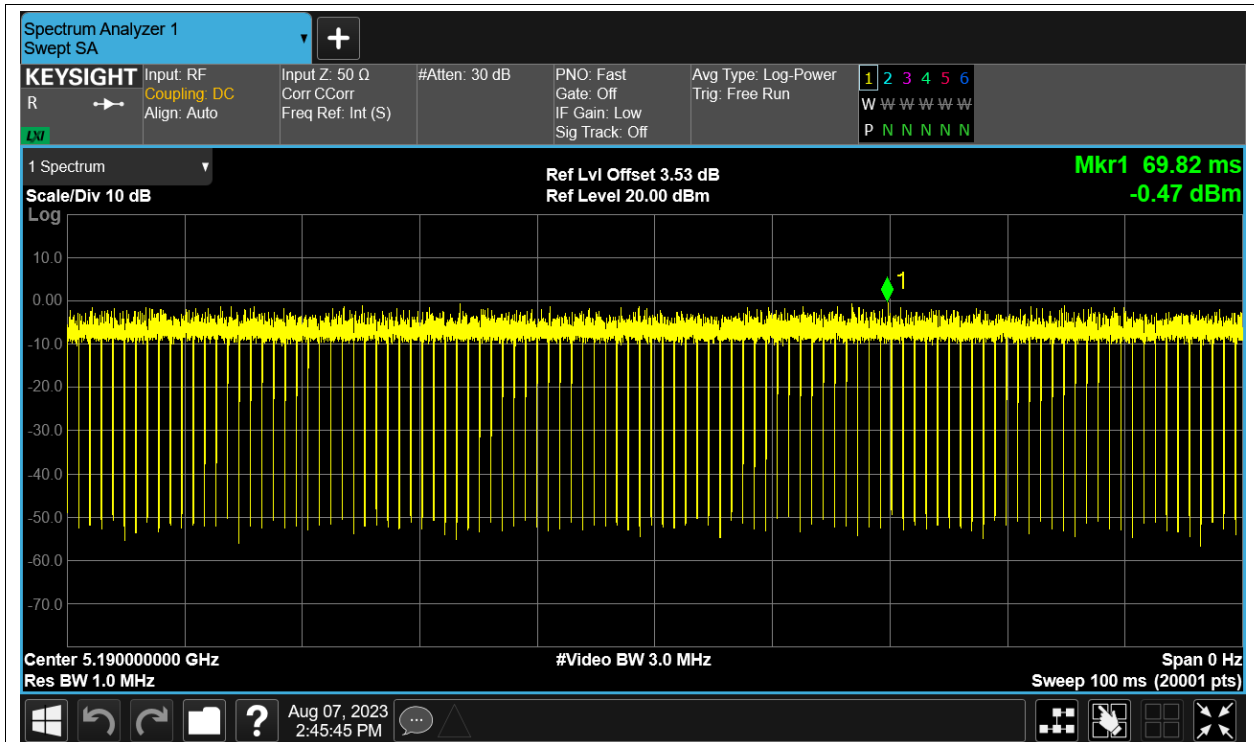
Duty Cycle NVNT n20 5200MHz Ant1



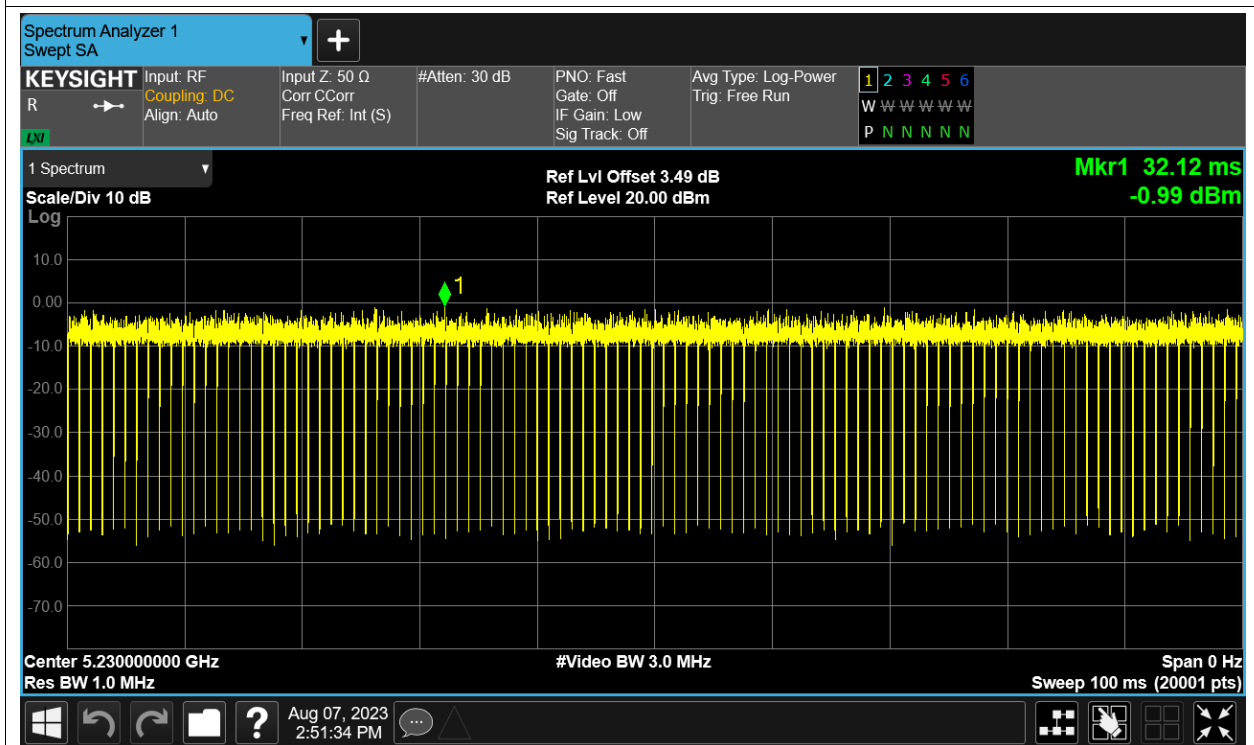
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

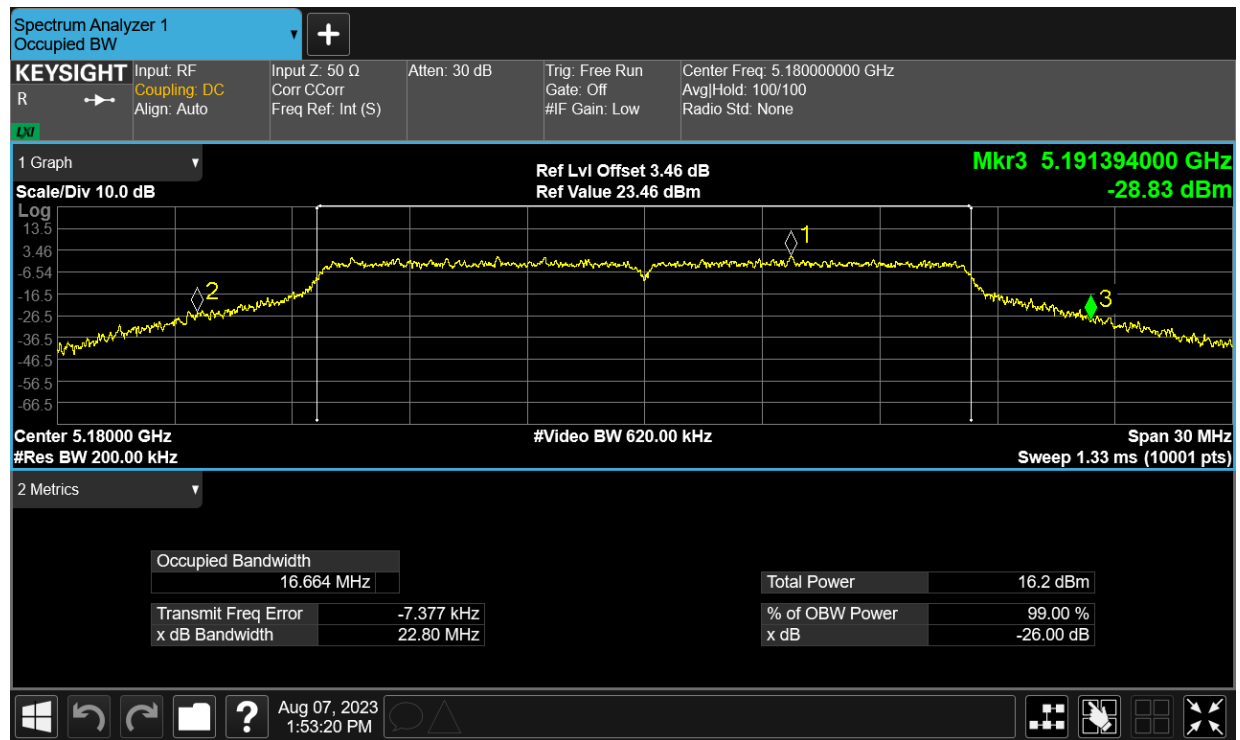
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	16.29	0.07	16.36	24	Pass
NVNT	a	5200	Ant1	16	0.07	16.07	24	Pass
NVNT	a	5240	Ant1	16.2	0.07	16.27	24	Pass
NVNT	ac20	5180	Ant1	14.68	0.07	14.75	24	Pass
NVNT	ac20	5200	Ant1	14.37	0.07	14.44	24	Pass
NVNT	ac20	5240	Ant1	14.57	0.07	14.64	24	Pass
NVNT	ac40	5190	Ant1	14.63	0.15	14.78	24	Pass
NVNT	ac40	5230	Ant1	14.6	0.15	14.75	24	Pass
NVNT	ac80	5210	Ant1	14.52	0.3	14.82	24	Pass
NVNT	n20	5180	Ant1	14.8	0.07	14.87	24	Pass
NVNT	n20	5200	Ant1	14.51	0.07	14.58	24	Pass
NVNT	n20	5240	Ant1	14.64	0.08	14.72	24	Pass
NVNT	n40	5190	Ant1	14.69	0.15	14.84	24	Pass
NVNT	n40	5230	Ant1	14.7	0.15	14.85	24	Pass

-26dB Bandwidth

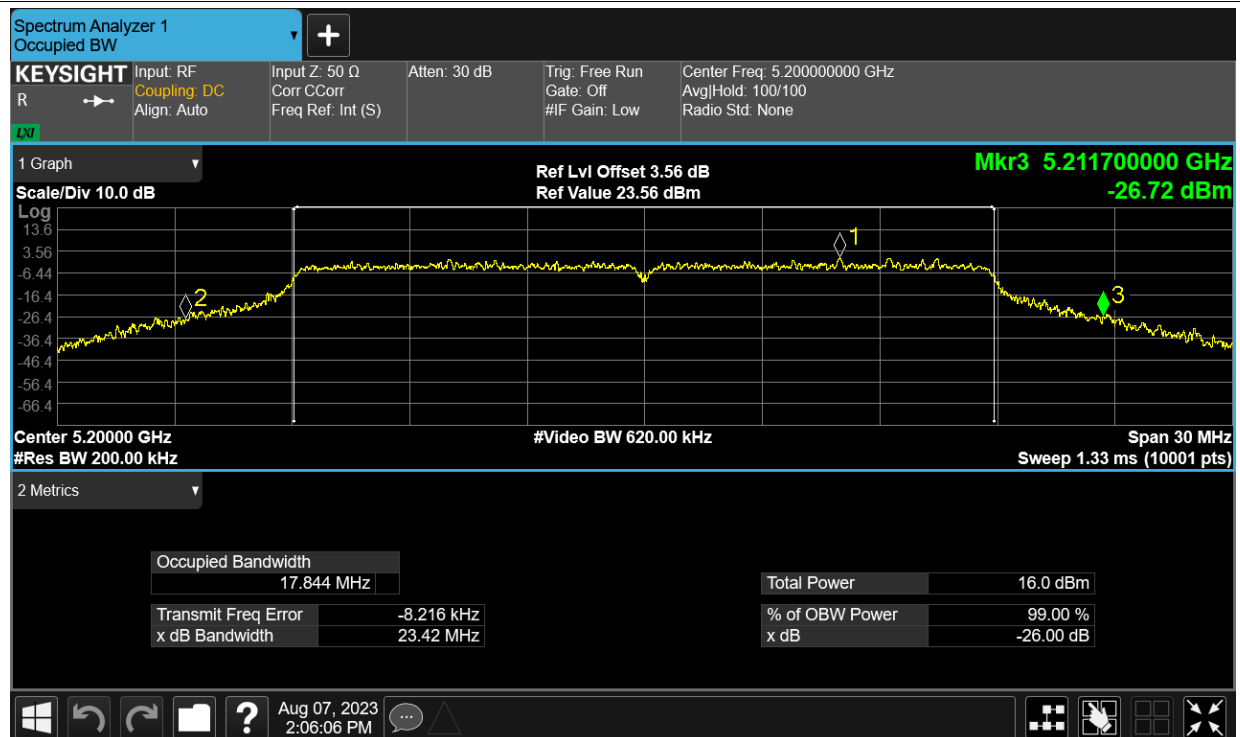
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	22.803
NVNT	a	5200	Ant1	23.417
NVNT	a	5240	Ant1	22.934
NVNT	ac20	5180	Ant1	23.275
NVNT	ac20	5200	Ant1	23.493
NVNT	ac20	5240	Ant1	23.797
NVNT	ac40	5190	Ant1	44.217
NVNT	ac40	5230	Ant1	43.838
NVNT	ac80	5210	Ant1	81.02
NVNT	n20	5180	Ant1	23.072
NVNT	n20	5200	Ant1	22.764
NVNT	n20	5240	Ant1	23.559
NVNT	n40	5190	Ant1	43.313
NVNT	n40	5230	Ant1	45.1

Test Graphs

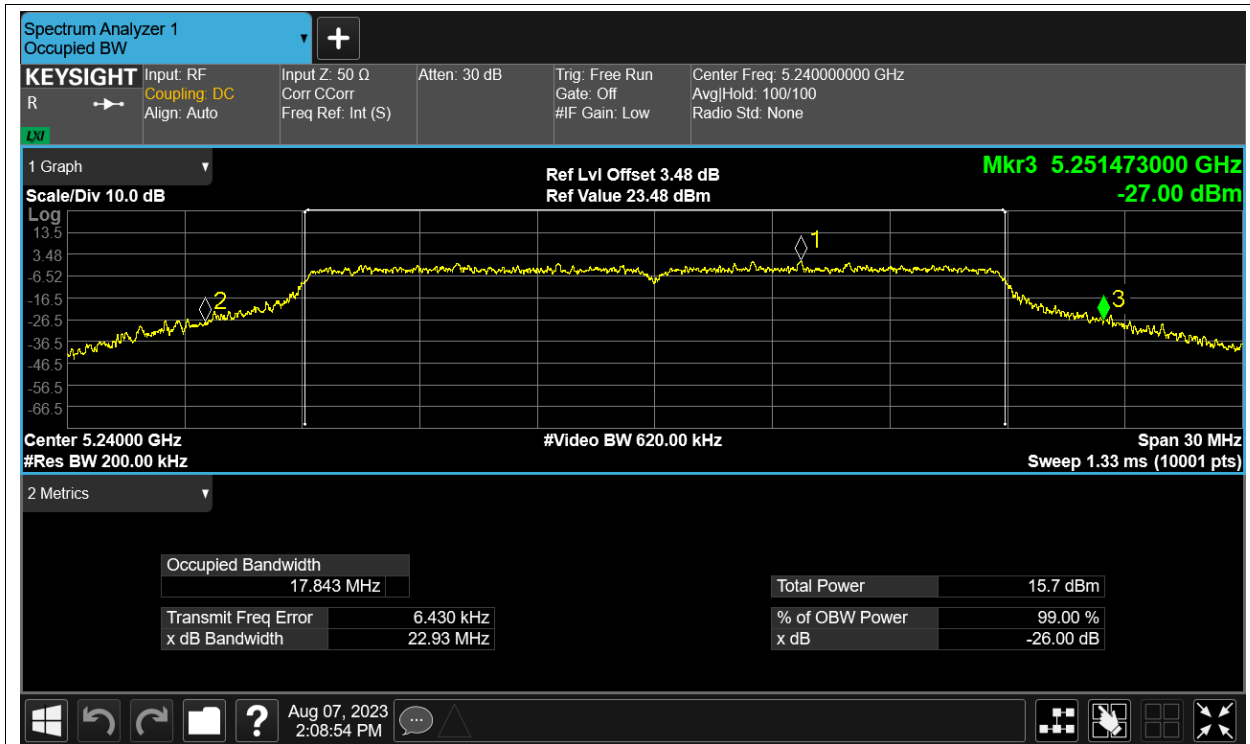
-26dB Bandwidth NVNT a 5180MHz Ant1



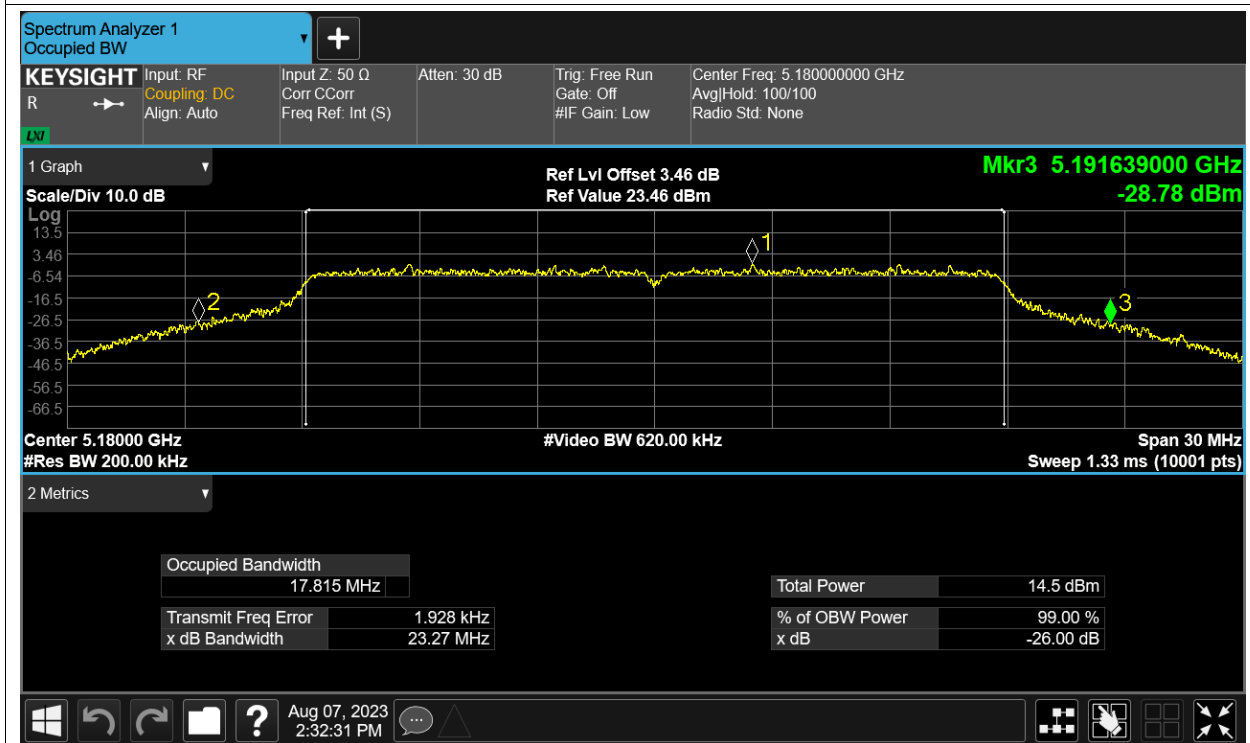
-26dB Bandwidth NVNT a 5200MHz Ant1



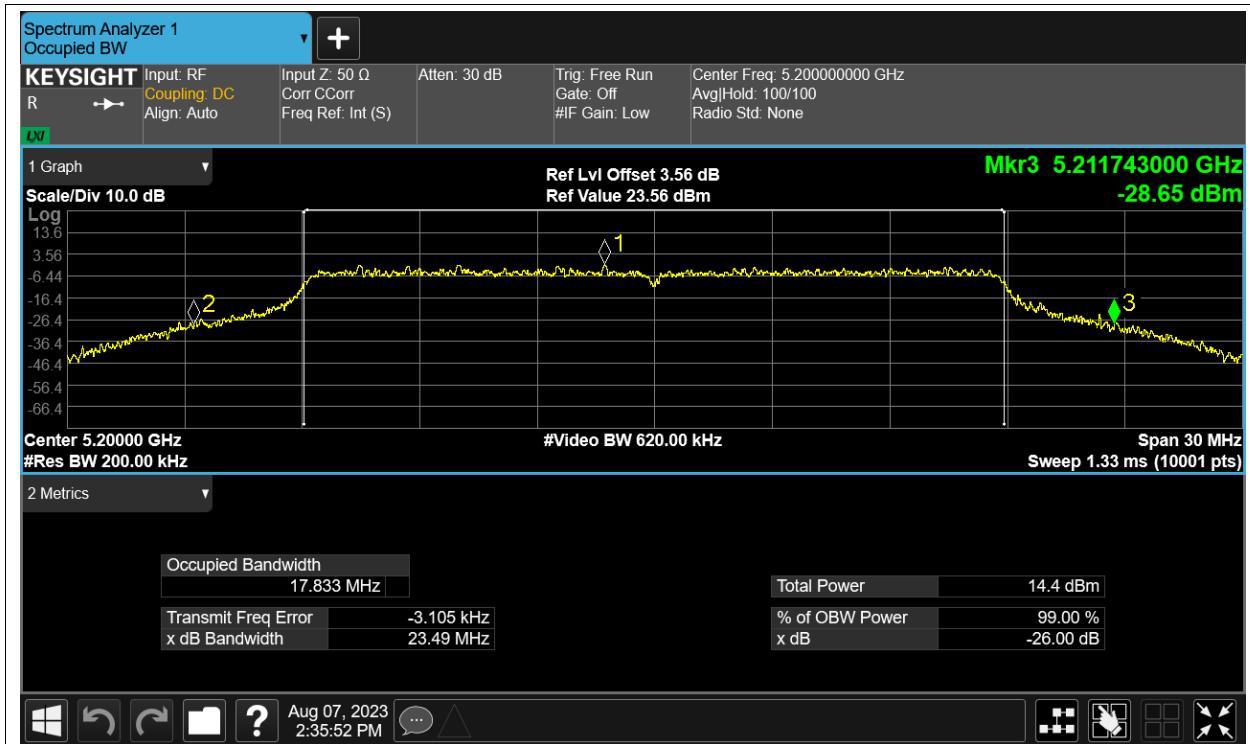
-26dB Bandwidth NVNT a 5240MHz Ant1



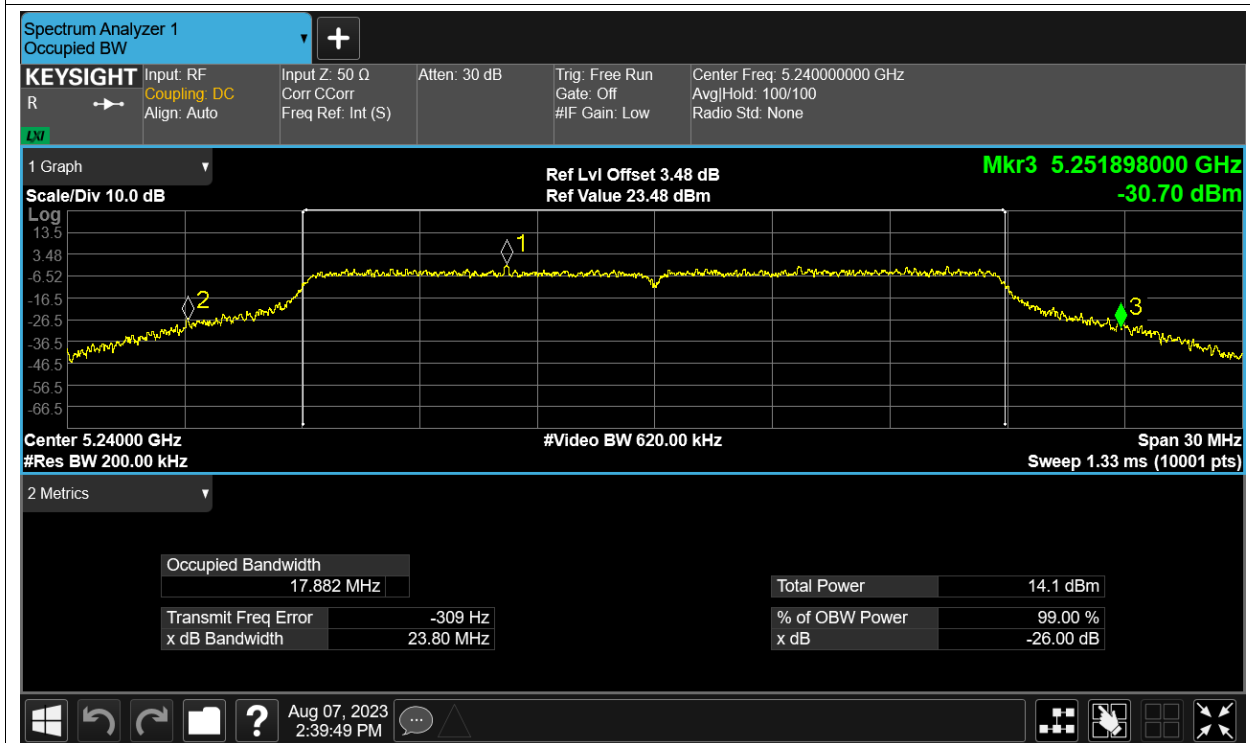
-26dB Bandwidth NVNT ac20 5180MHz Ant1



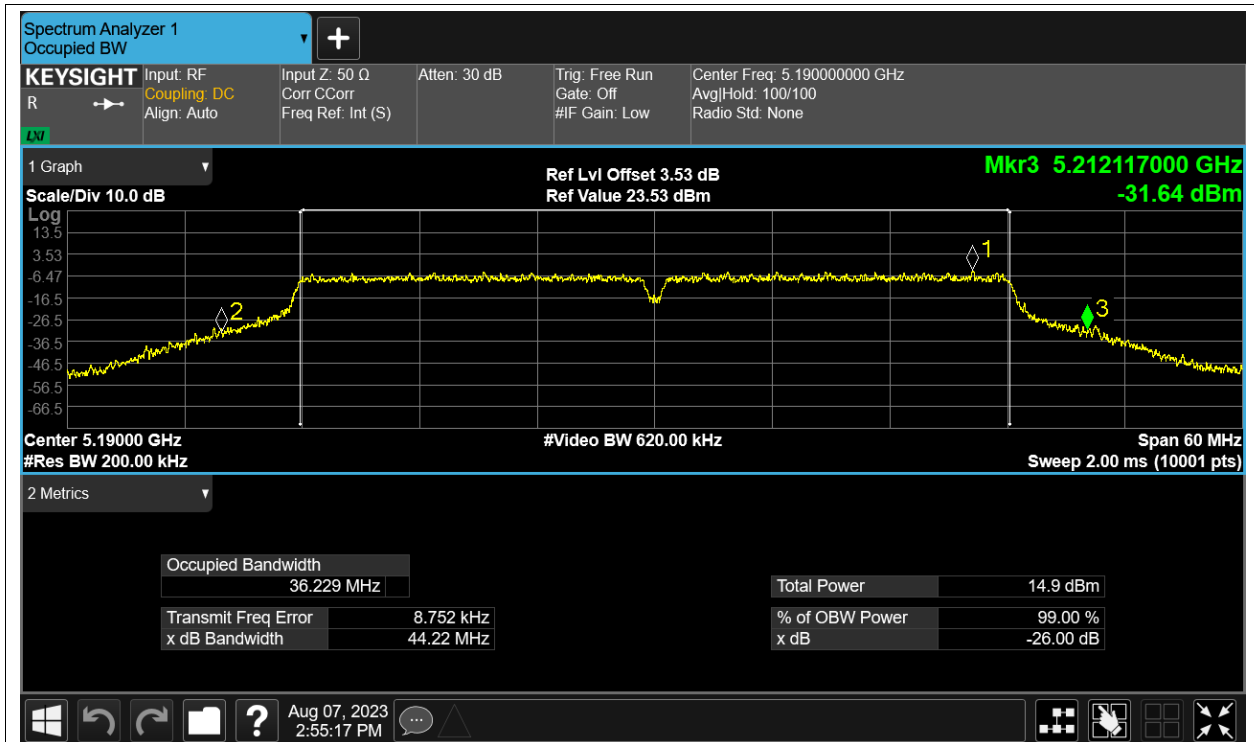
-26dB Bandwidth NVNT ac20 5200MHz Ant1



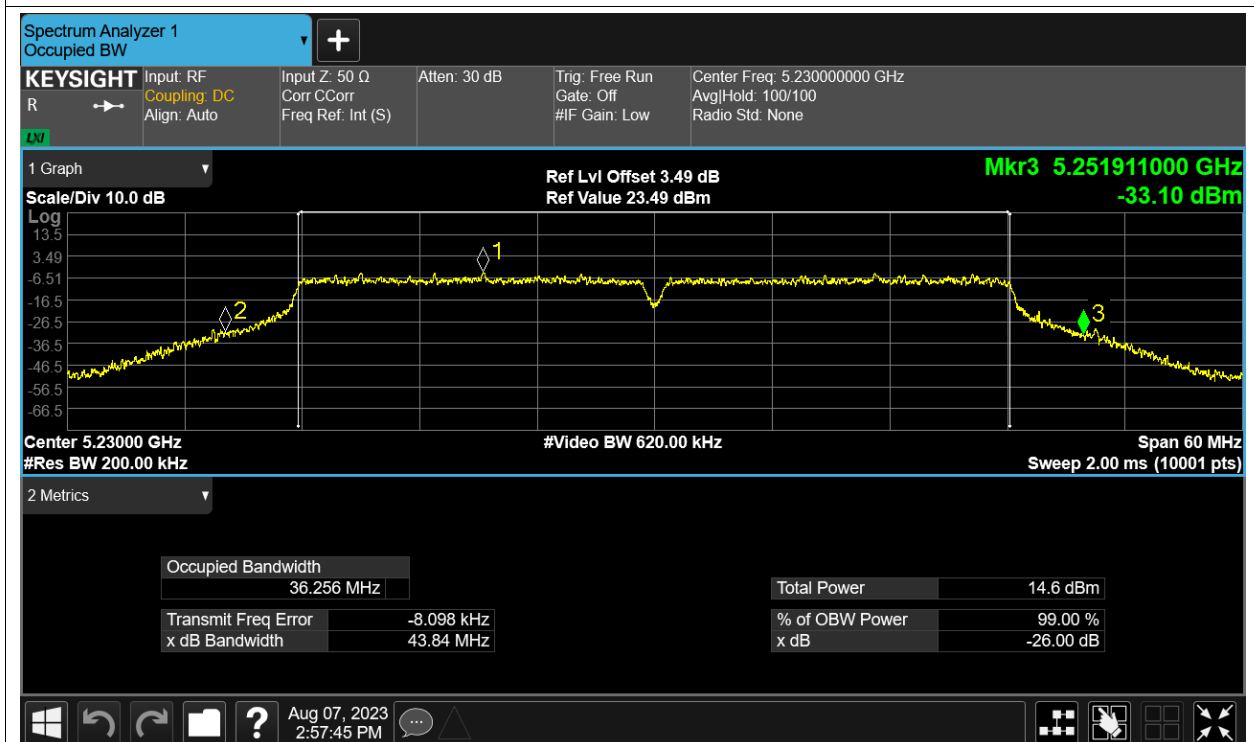
-26dB Bandwidth NVNT ac20 5240MHz Ant1



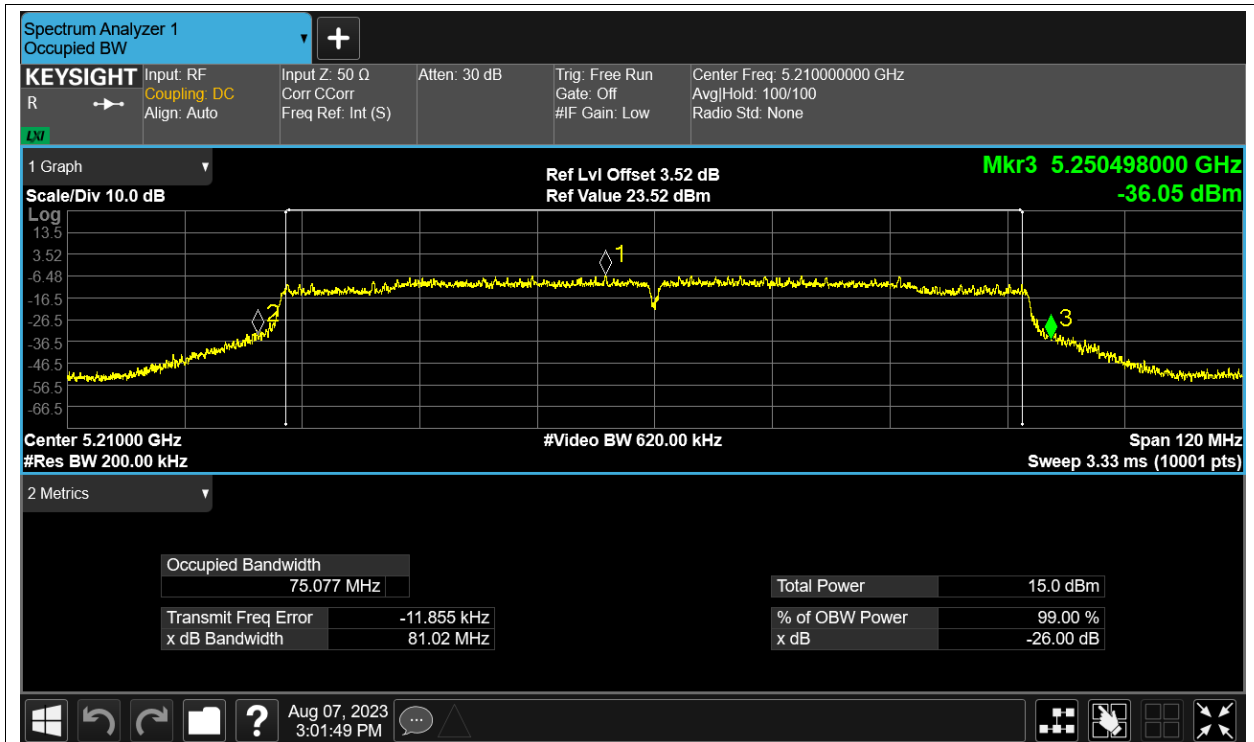
-26dB Bandwidth NVNT ac40 5190MHz Ant1



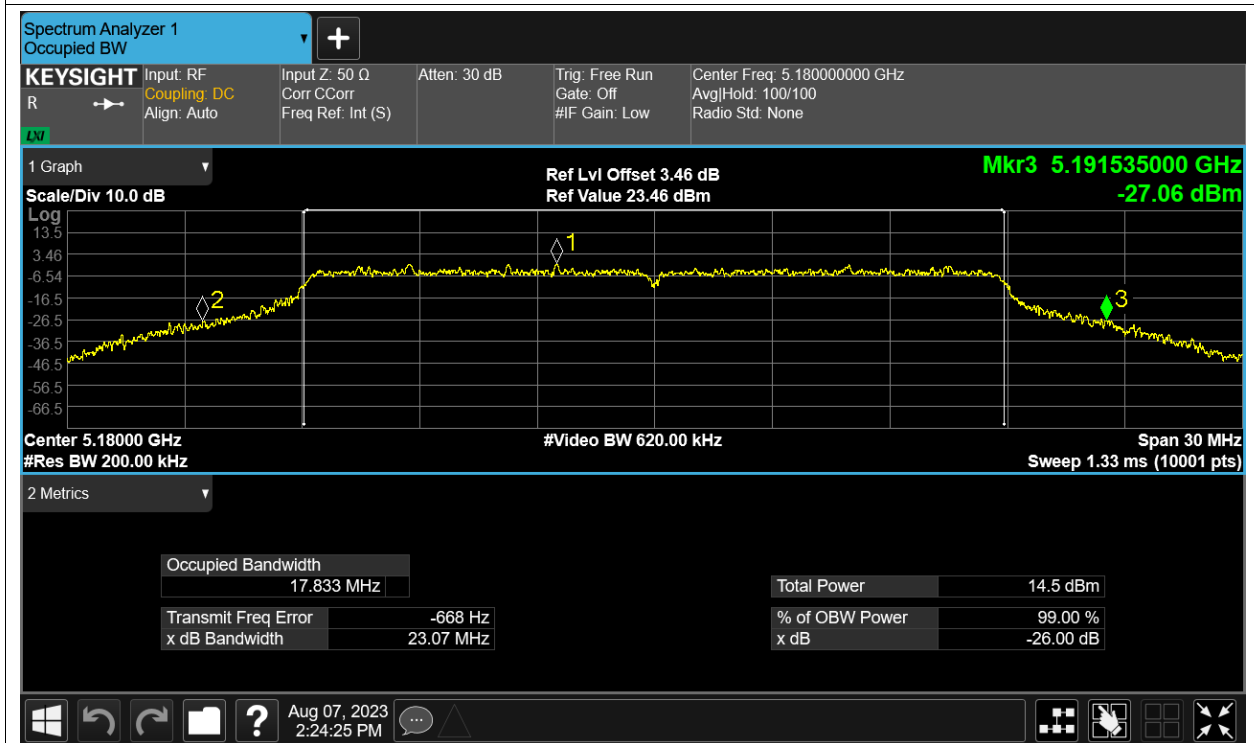
-26dB Bandwidth NVNT ac40 5230MHz Ant1



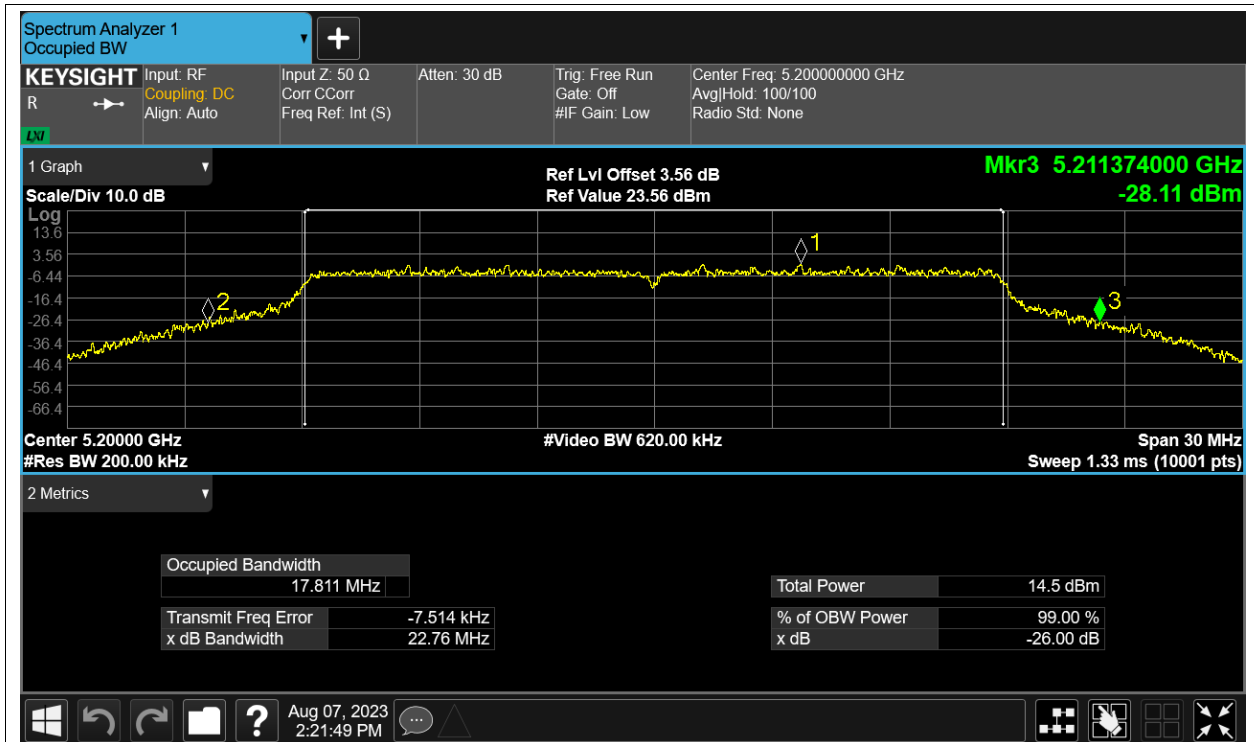
-26dB Bandwidth NVNT ac80 5210MHz Ant1



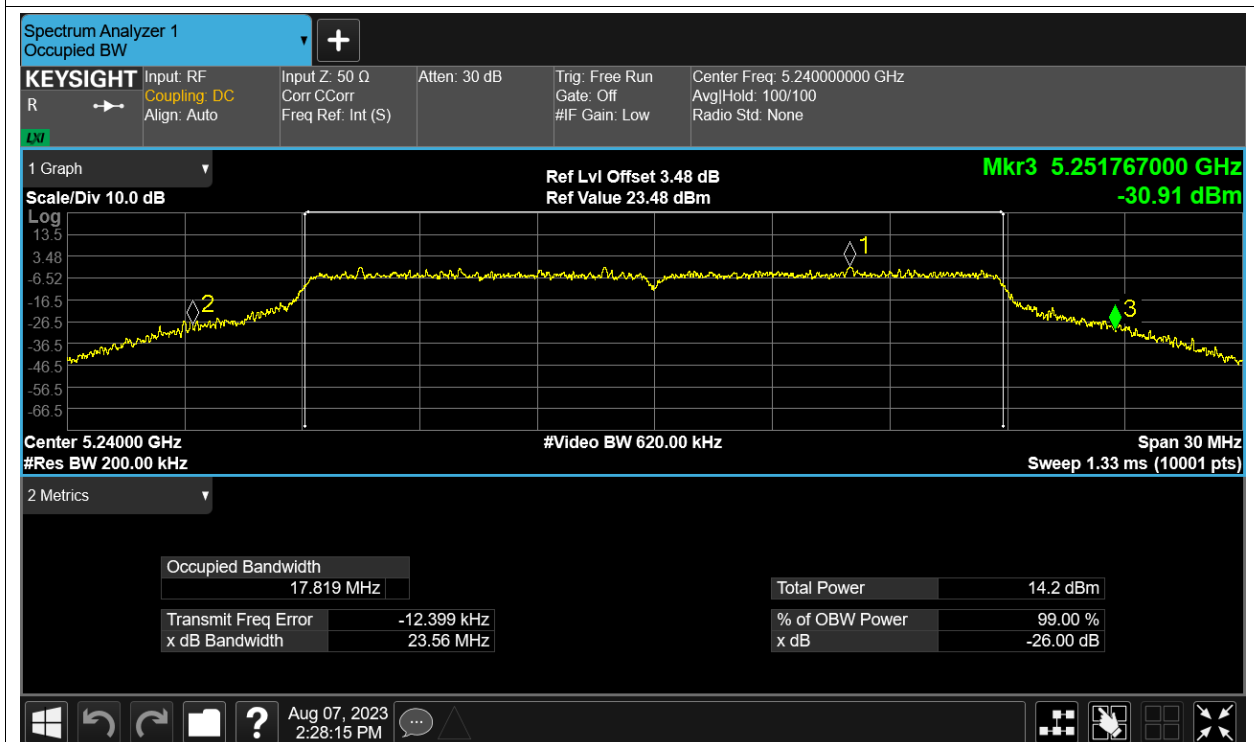
-26dB Bandwidth NVNT n20 5180MHz Ant1



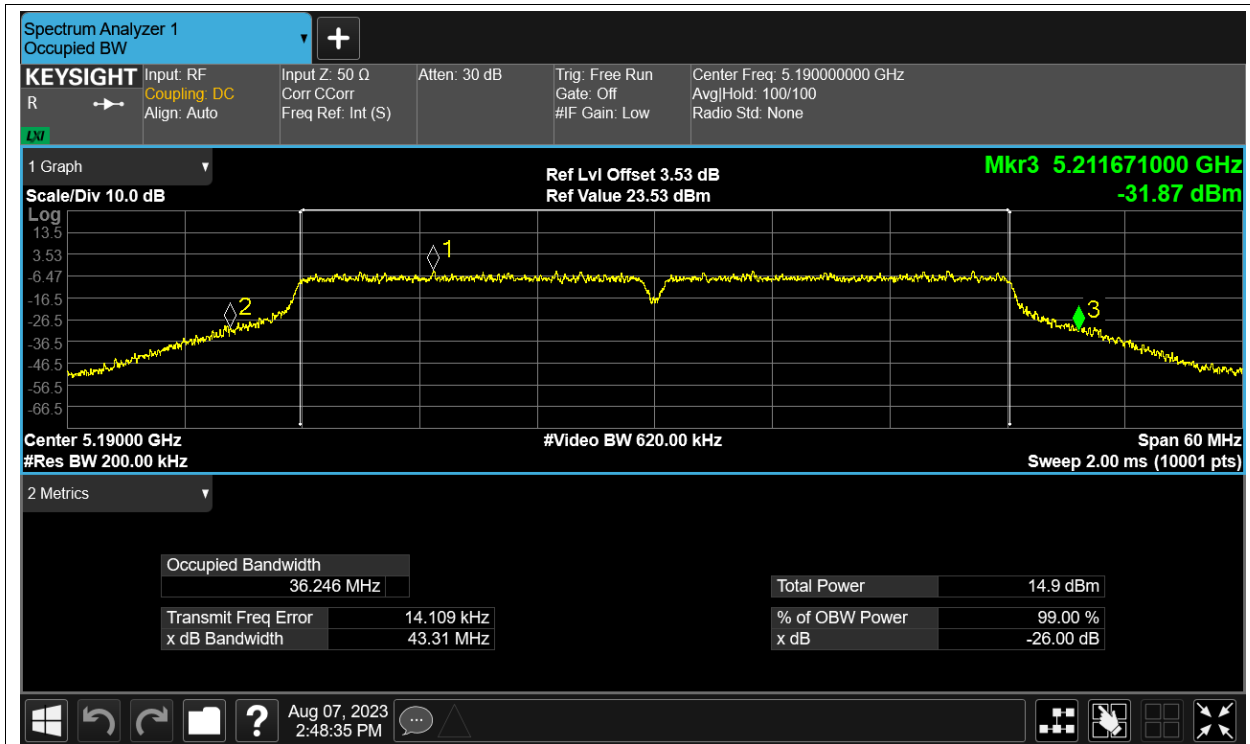
-26dB Bandwidth NVNT n20 5200MHz Ant1



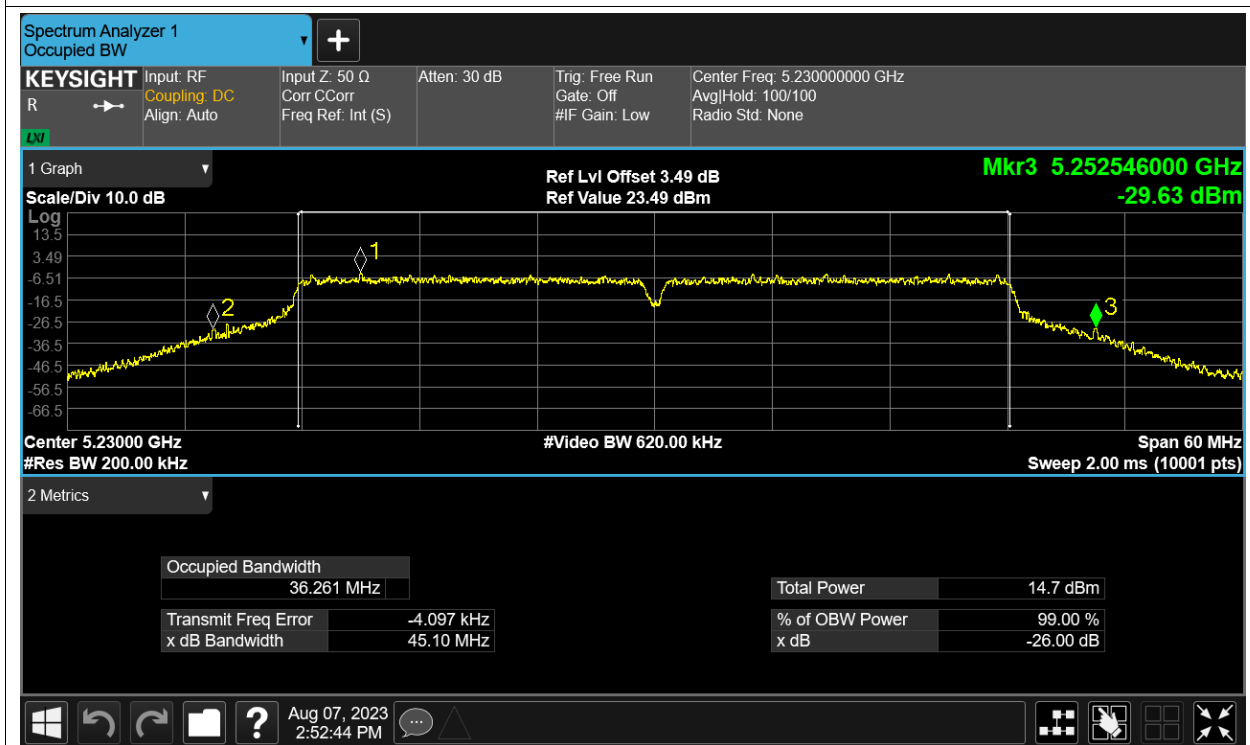
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

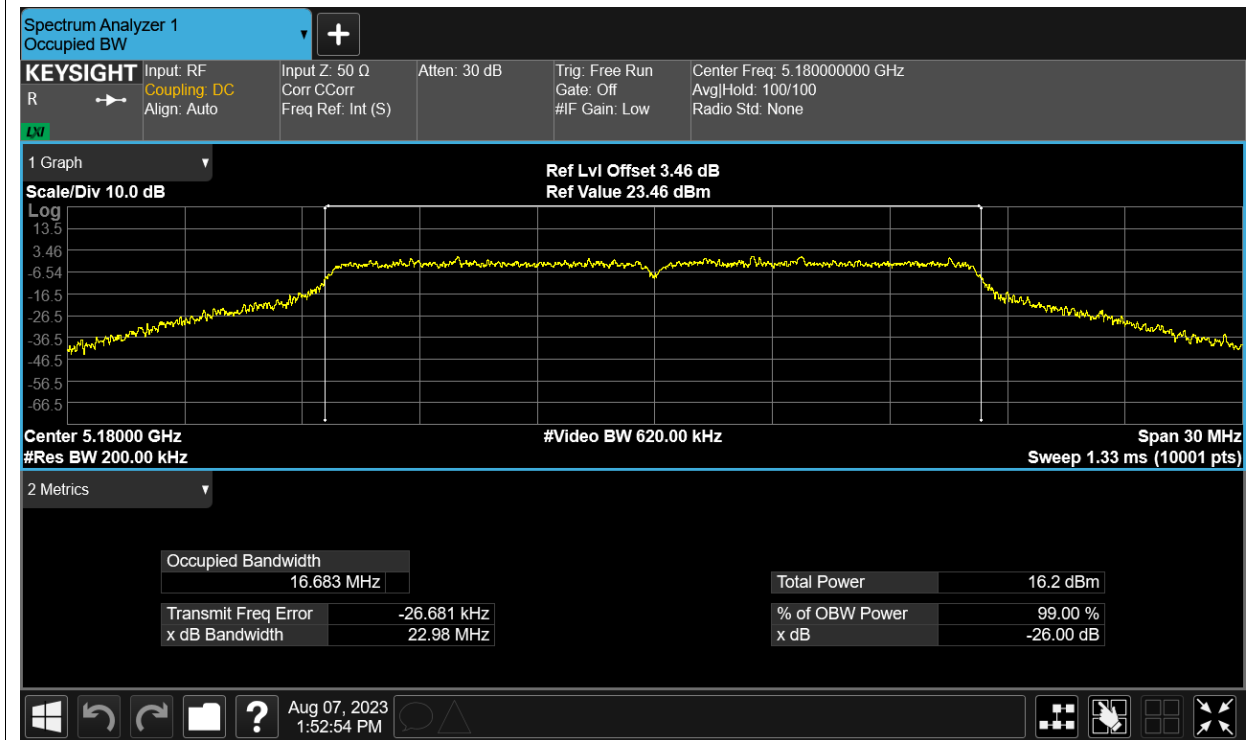


Occupied Channel Bandwidth

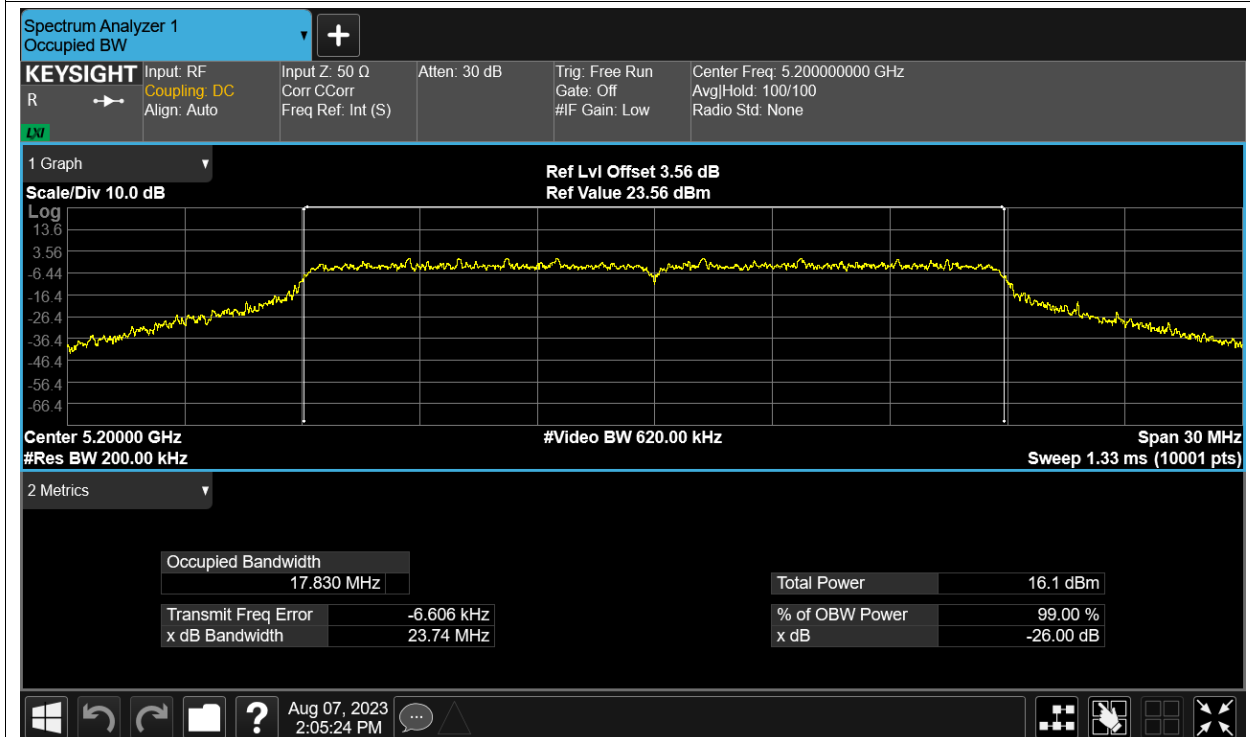
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.683
NVNT	a	5200	Ant1	17.83
NVNT	a	5240	Ant1	16.662
NVNT	ac20	5180	Ant1	17.836
NVNT	ac20	5200	Ant1	17.837
NVNT	ac20	5240	Ant1	17.832
NVNT	ac40	5190	Ant1	36.353
NVNT	ac40	5230	Ant1	36.407
NVNT	ac80	5210	Ant1	74.946
NVNT	n20	5180	Ant1	17.855
NVNT	n20	5200	Ant1	17.836
NVNT	n20	5240	Ant1	17.853
NVNT	n40	5190	Ant1	36.385
NVNT	n40	5230	Ant1	36.374

Test Graphs

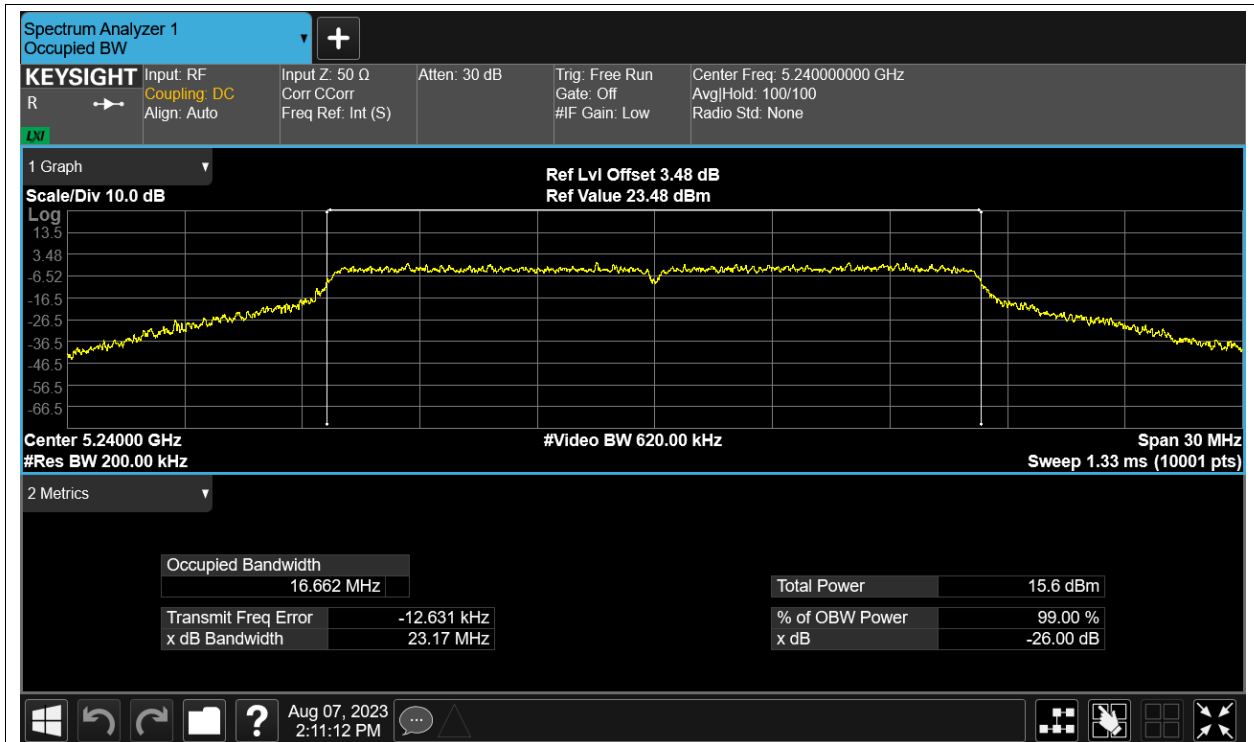
OBW NVNT a 5180MHz Ant1



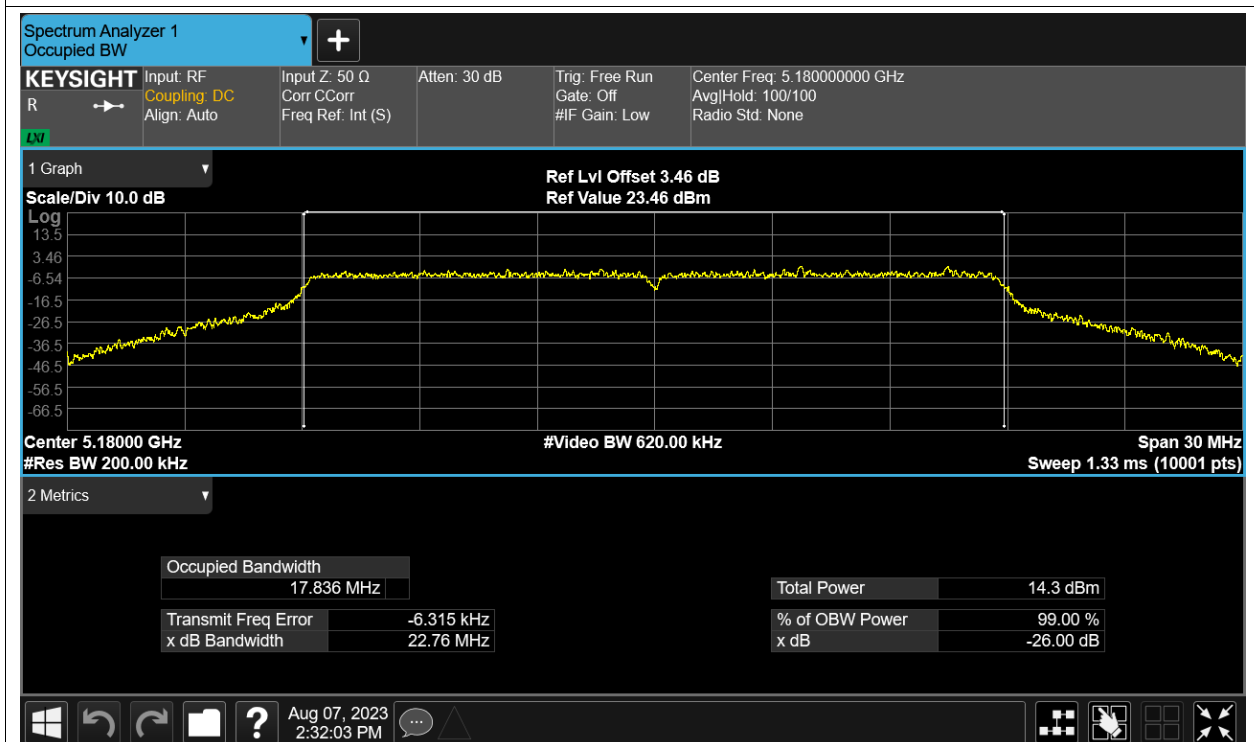
OBW NVNT a 5200MHz Ant1



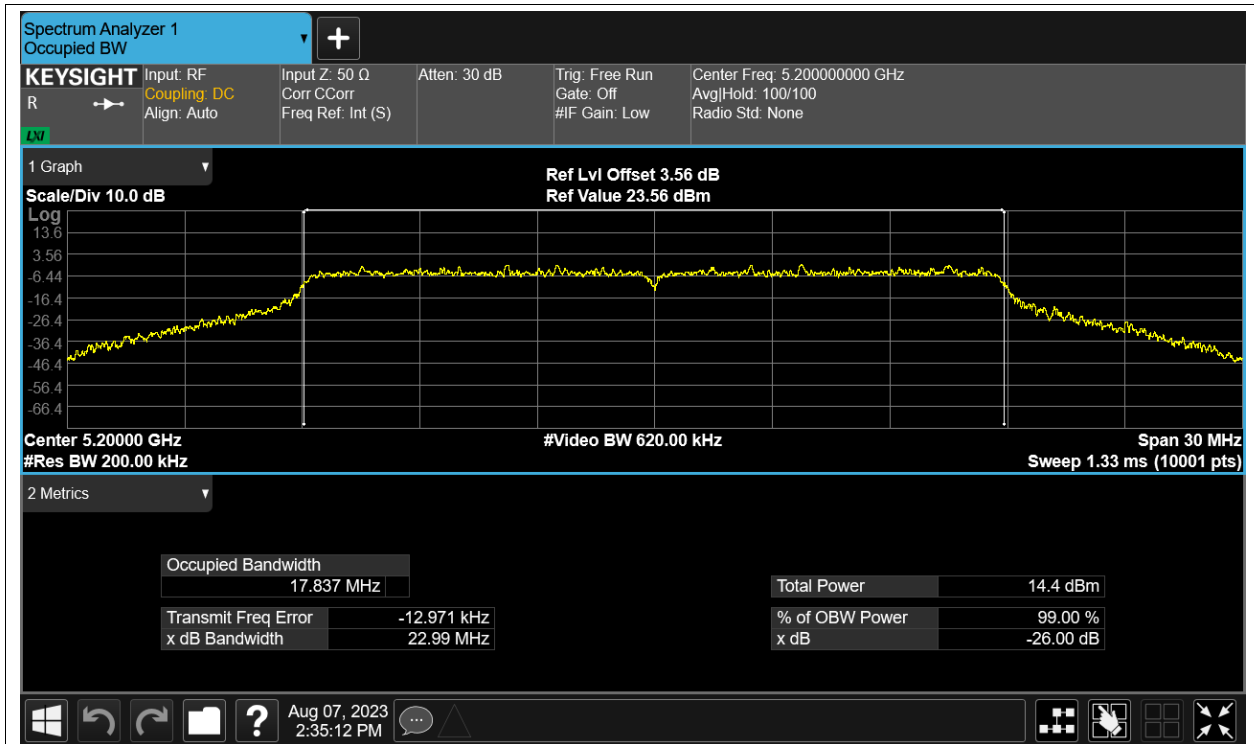
OBW NVNT a 5240MHz Ant1



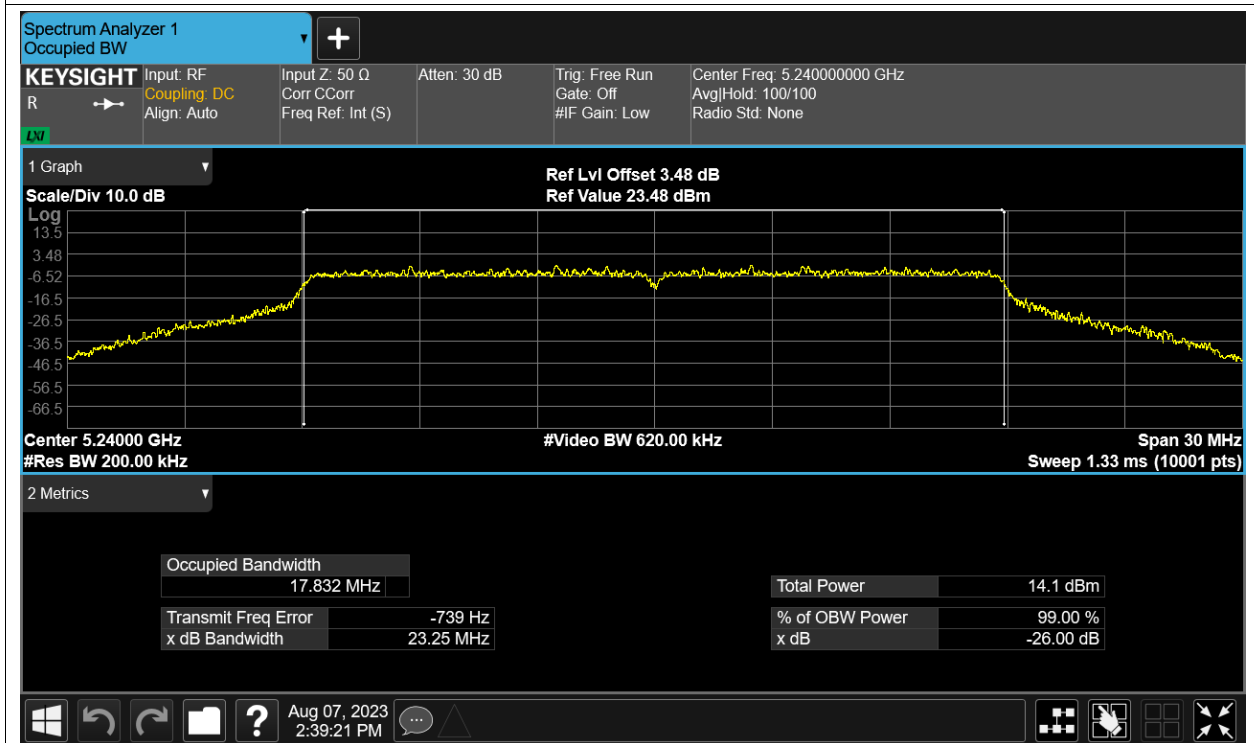
OBW NVNT ac20 5180MHz Ant1



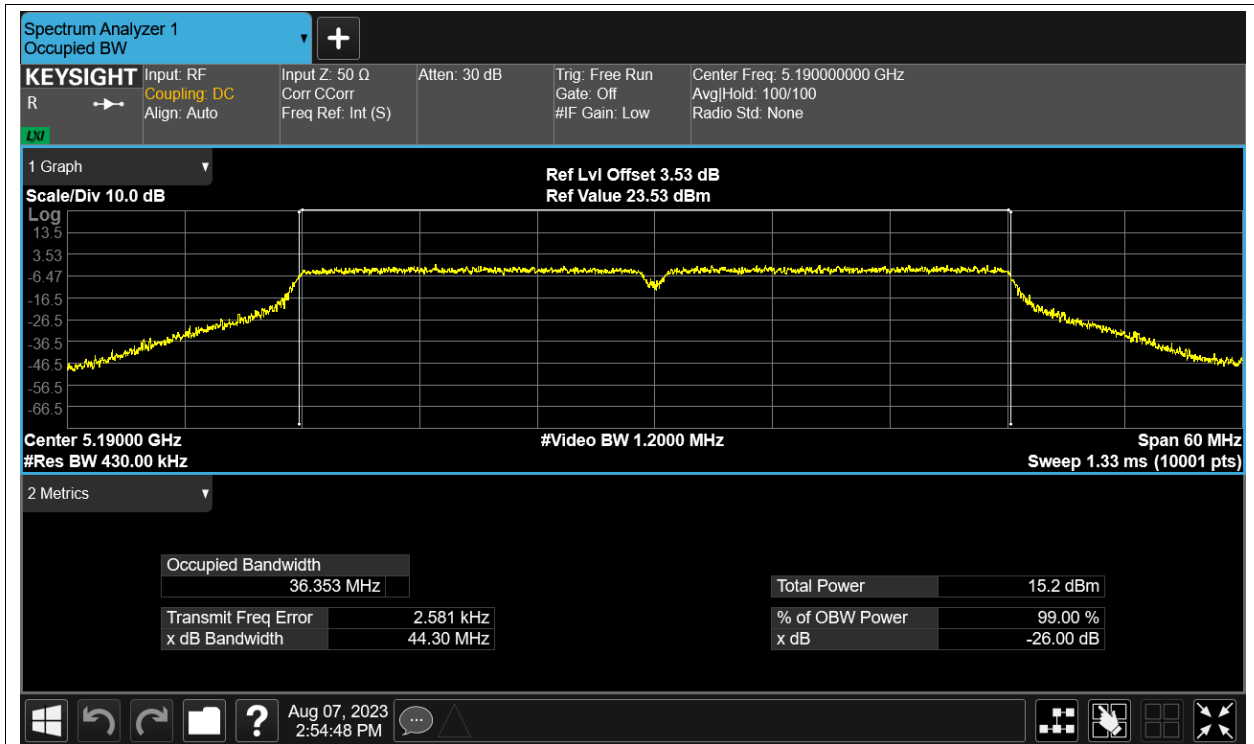
OBW NVNT ac20 5200MHz Ant1



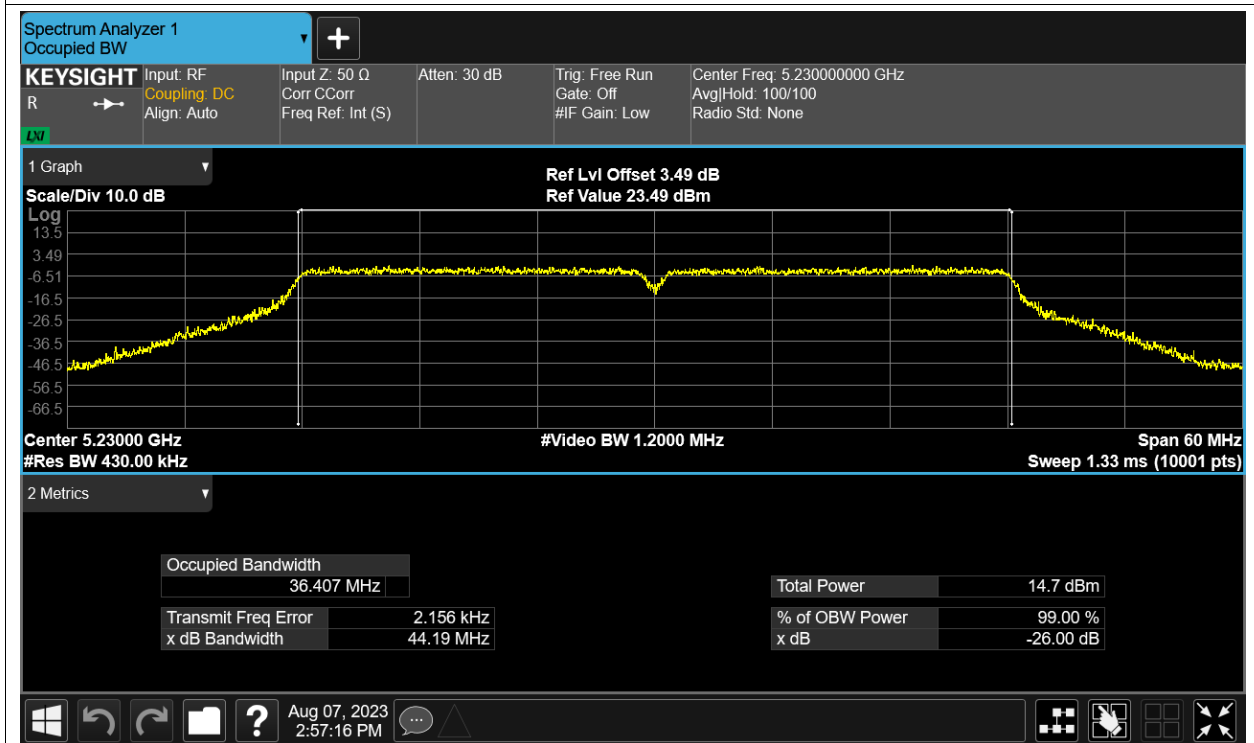
OBW NVNT ac20 5240MHz Ant1



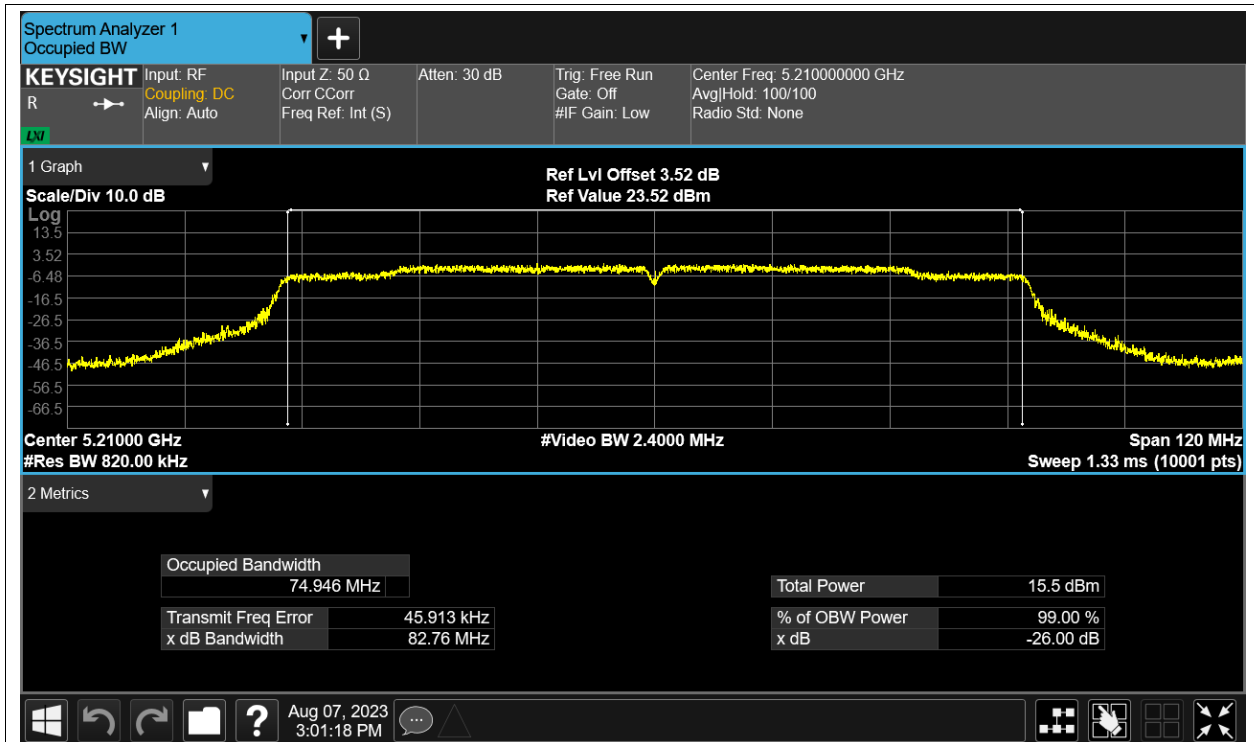
OBW NVNT ac40 5190MHz Ant1



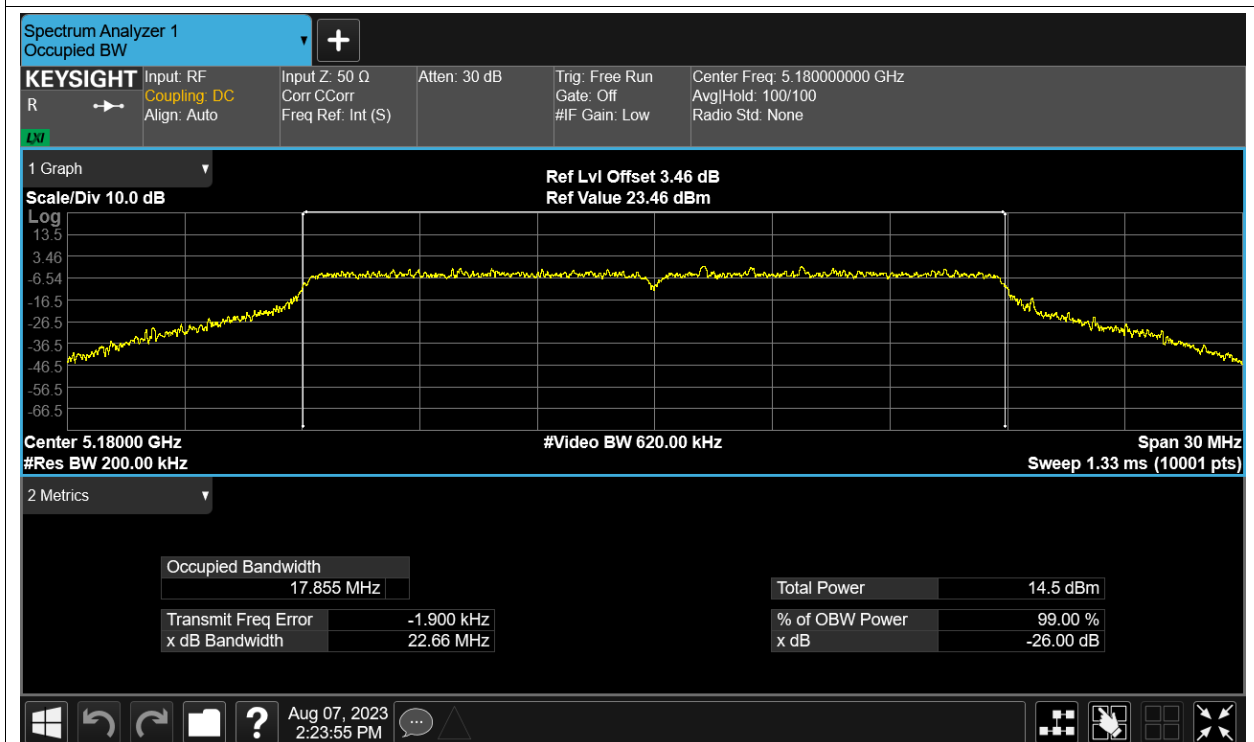
OBW NVNT ac40 5230MHz Ant1



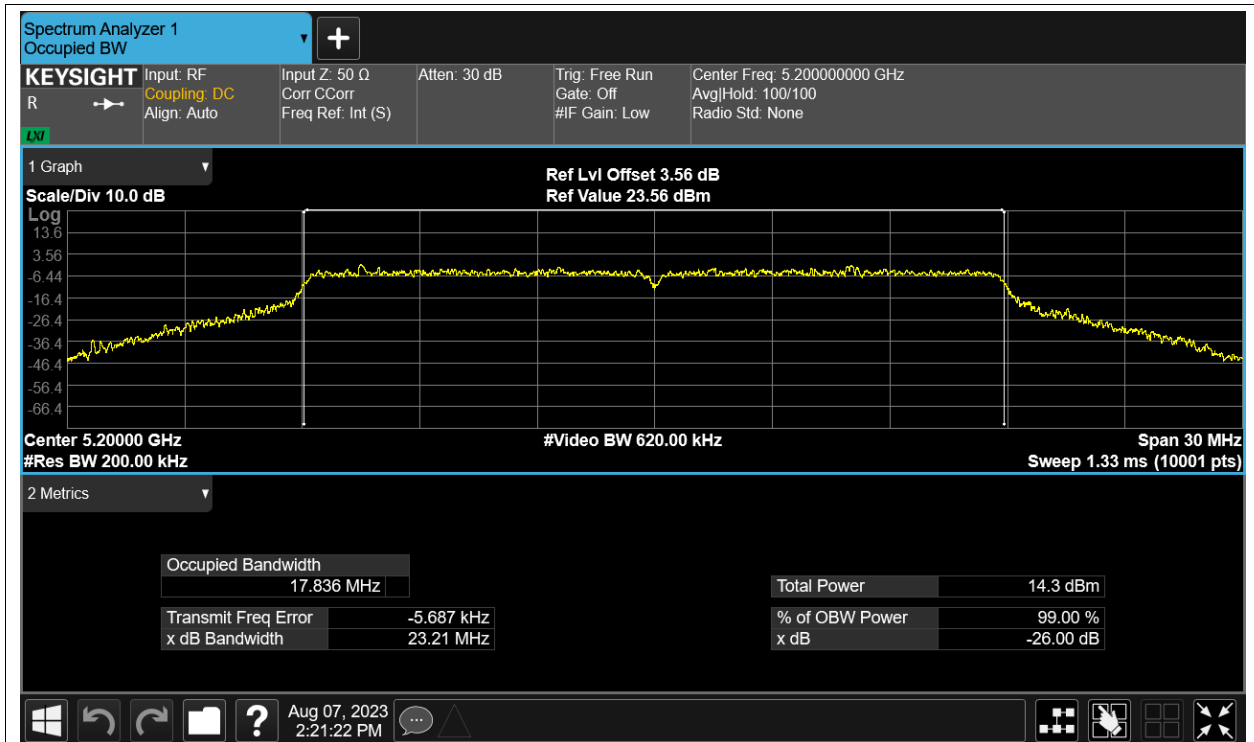
OBW NVNT ac80 5210MHz Ant1



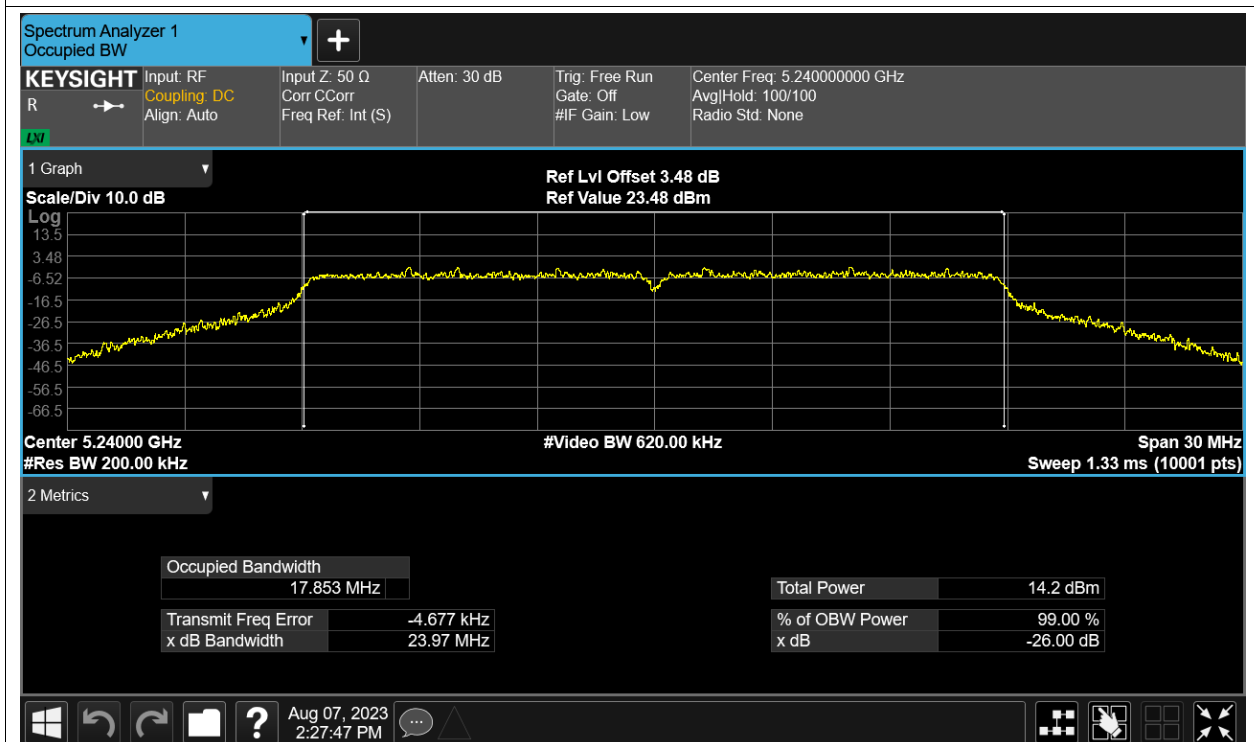
OBW NVNT n20 5180MHz Ant1



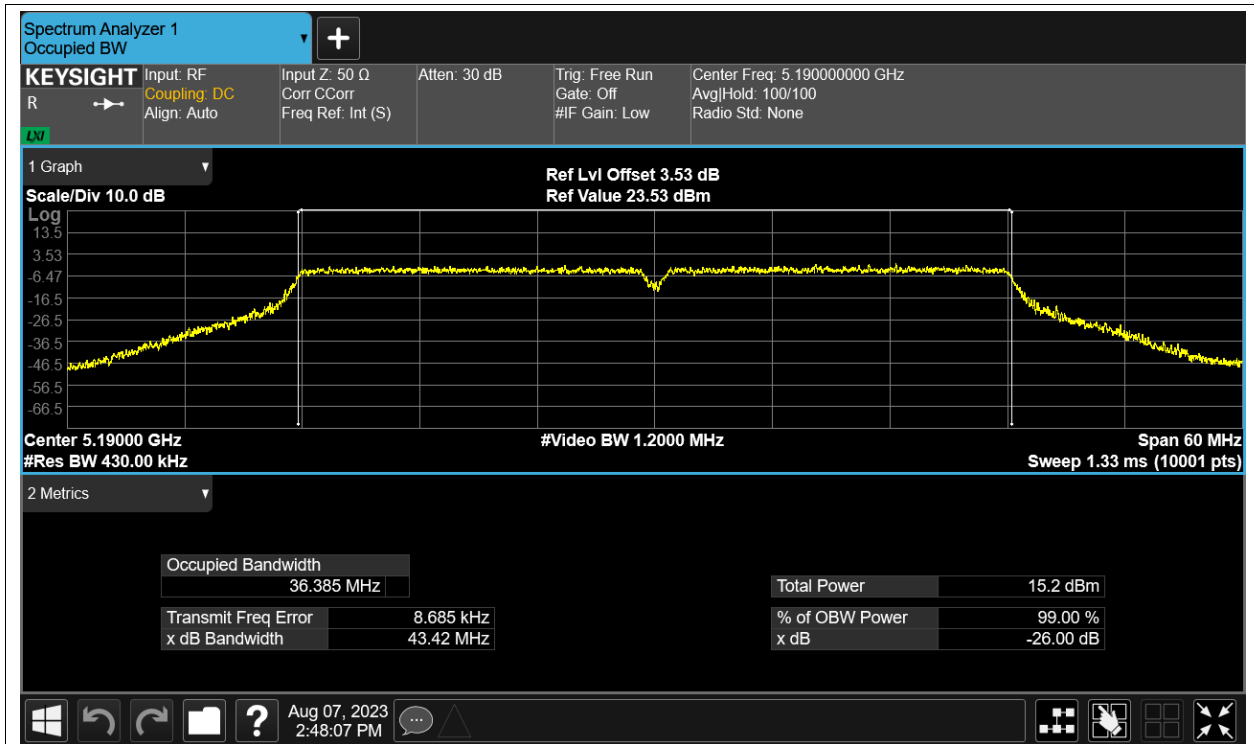
OBW NVNT n20 5200MHz Ant1



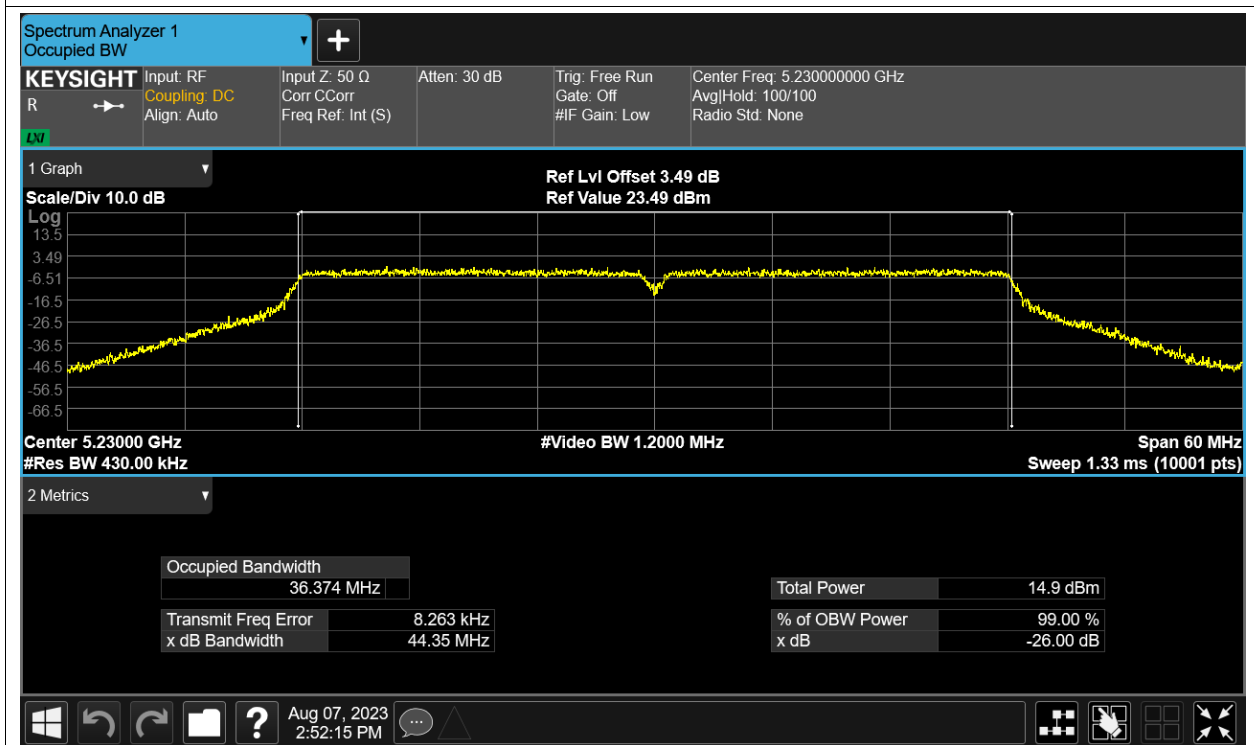
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

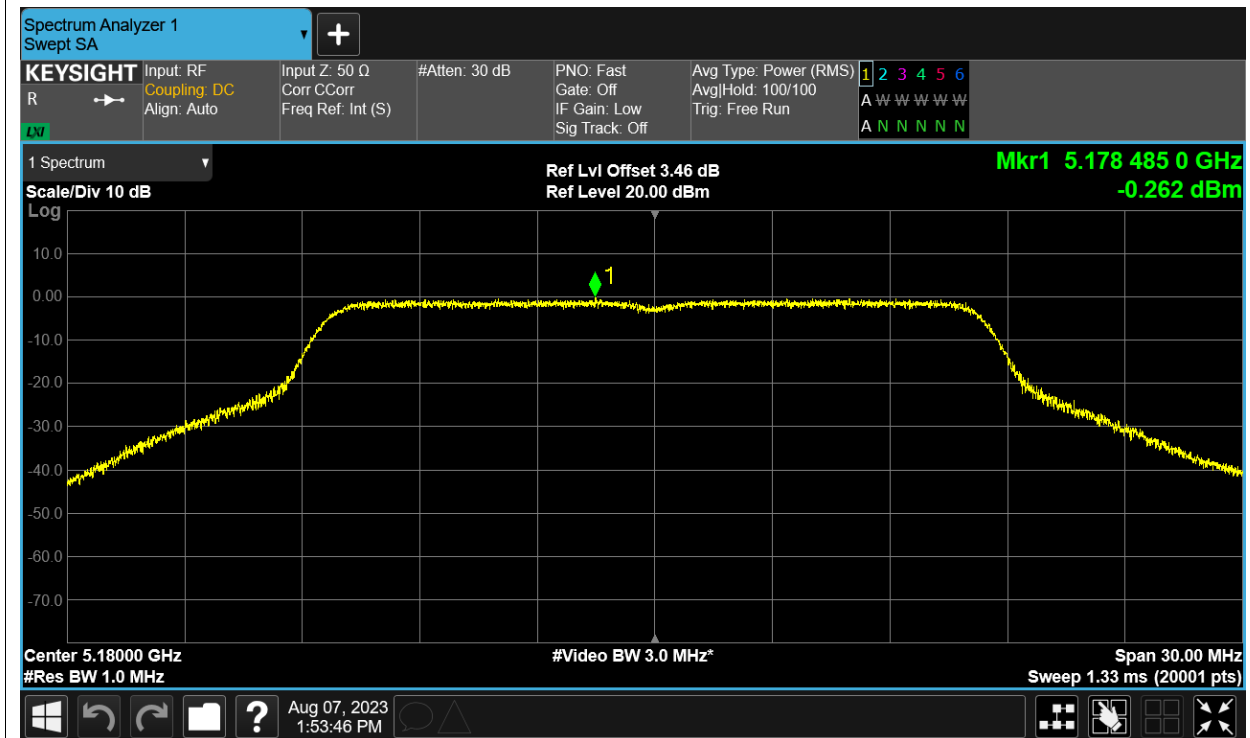


Maximum Power Spectral Density Level

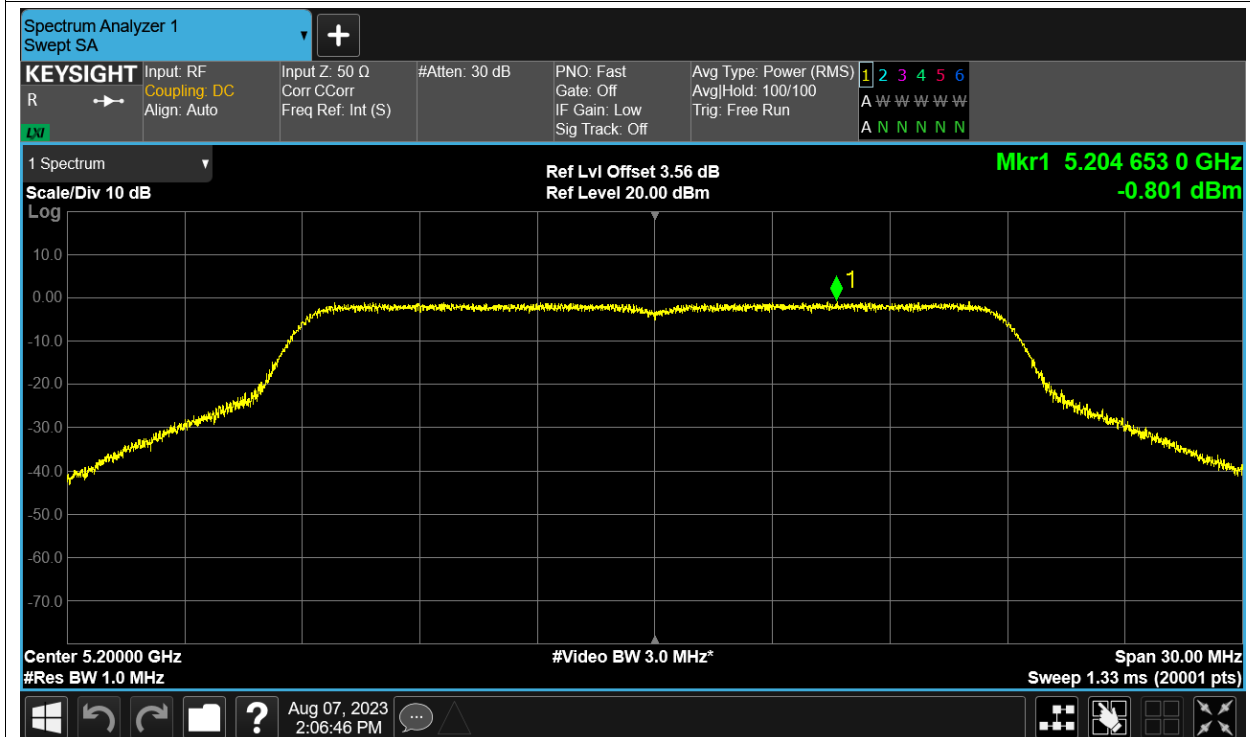
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.262	11	Pass
NVNT	a	5200	Ant1	-0.801	11	Pass
NVNT	a	5240	Ant1	-1.097	11	Pass
NVNT	ac20	5180	Ant1	-2.433	11	Pass
NVNT	ac20	5200	Ant1	-2.026	11	Pass
NVNT	ac20	5240	Ant1	-2.603	11	Pass
NVNT	ac40	5190	Ant1	-4.852	11	Pass
NVNT	ac40	5230	Ant1	-4.921	11	Pass
NVNT	ac80	5210	Ant1	-7.186	11	Pass
NVNT	n20	5180	Ant1	-2.439	11	Pass
NVNT	n20	5200	Ant1	-2.559	11	Pass
NVNT	n20	5240	Ant1	-2.536	11	Pass
NVNT	n40	5190	Ant1	-4.527	11	Pass
NVNT	n40	5230	Ant1	-5.078	11	Pass

Test Graphs

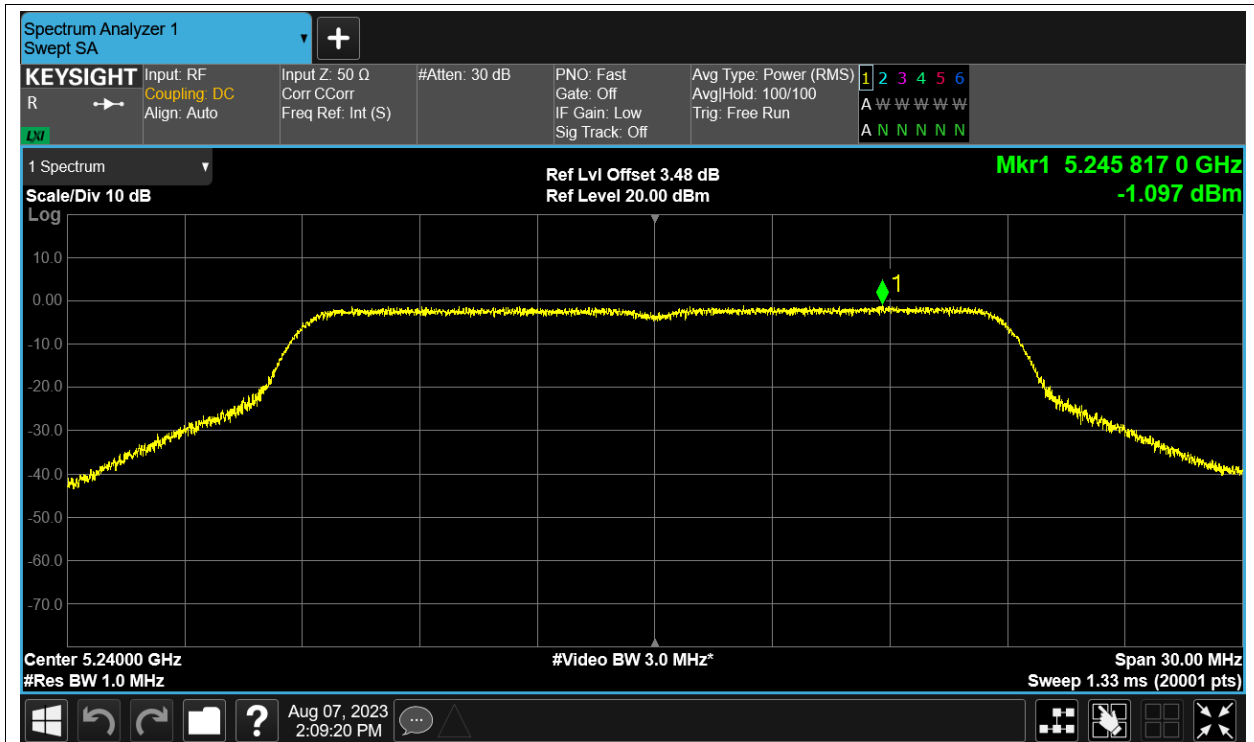
PSD NVNT a 5180MHz Ant1



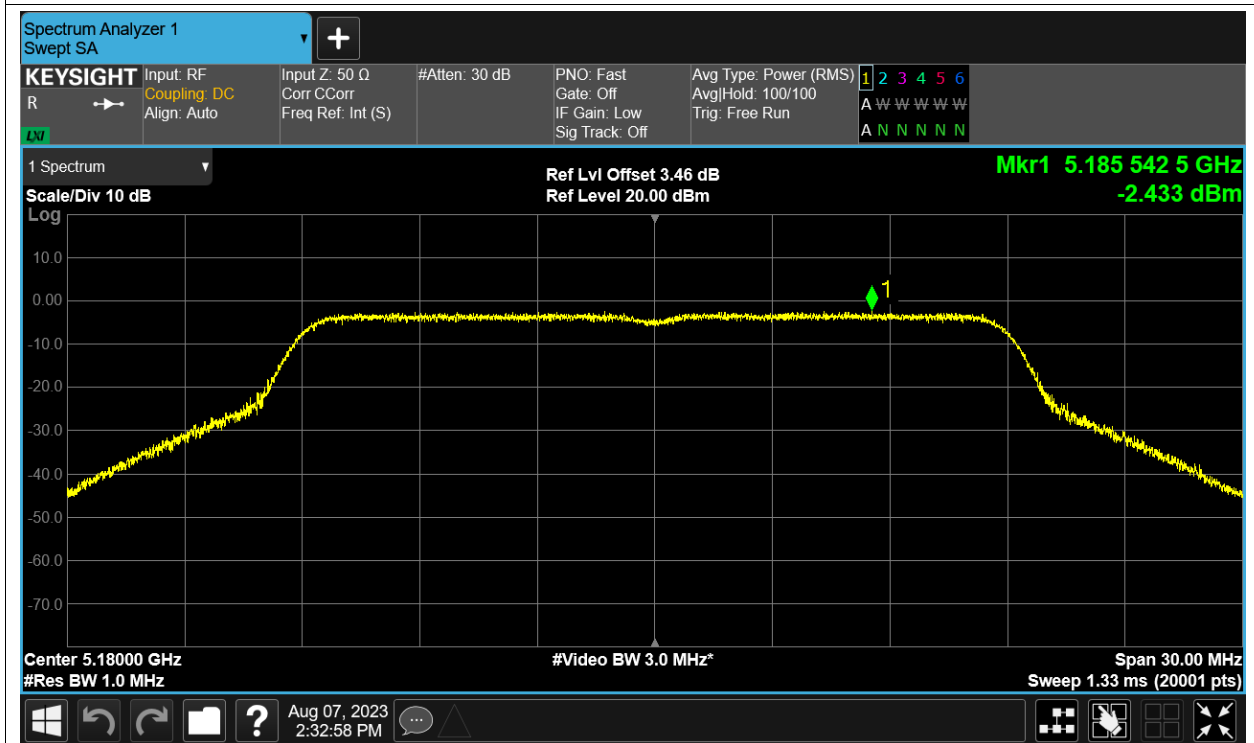
PSD NVNT a 5200MHz Ant1



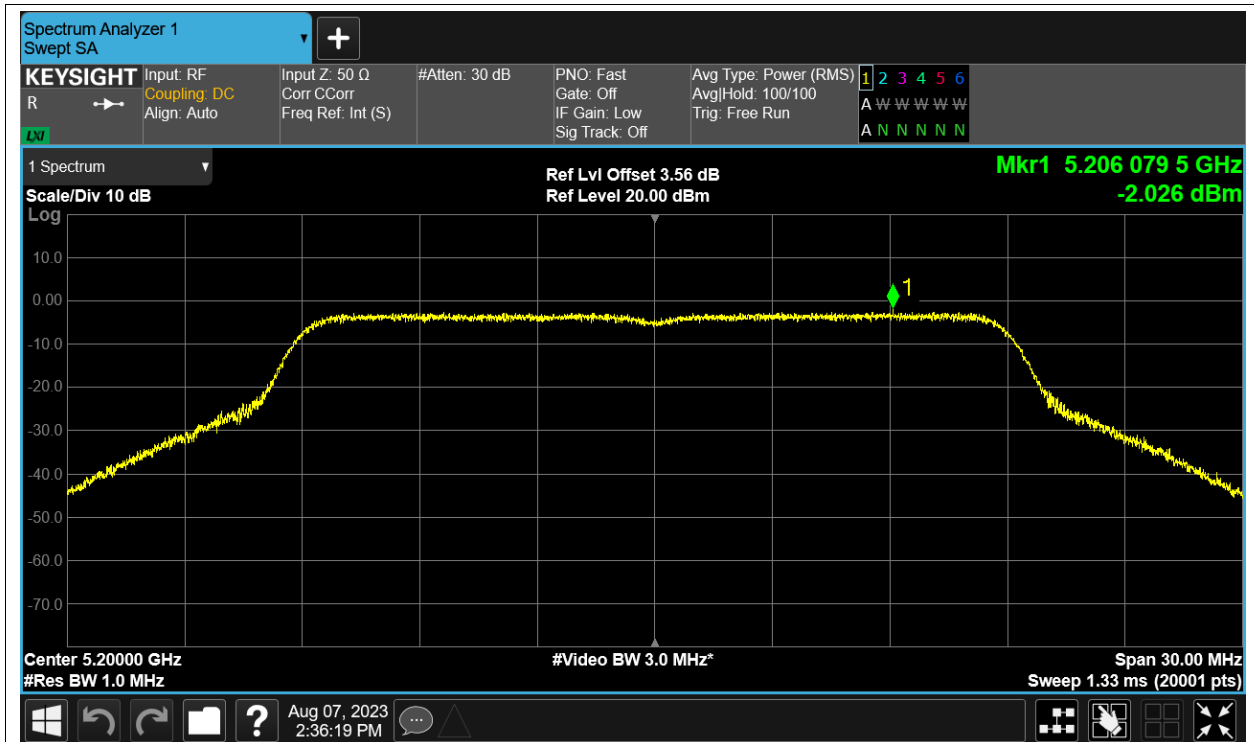
PSD NVNT a 5240MHz Ant1



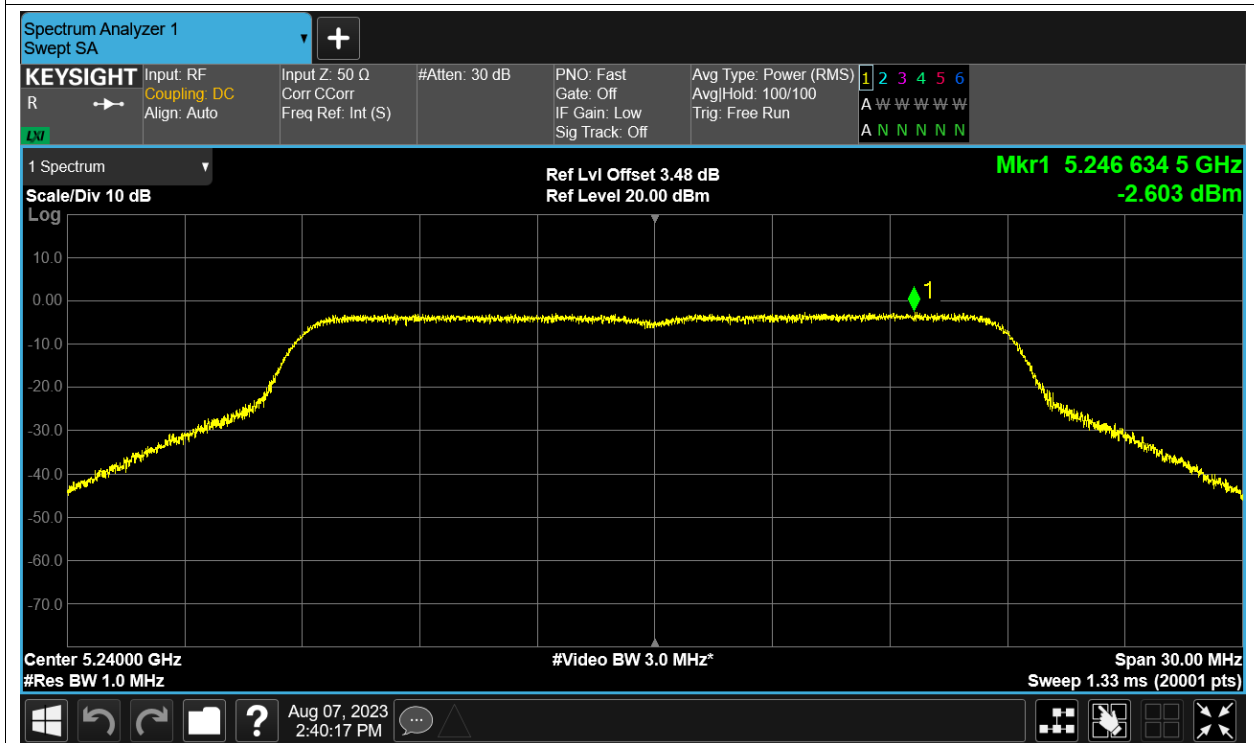
PSD NVNT ac20 5180MHz Ant1



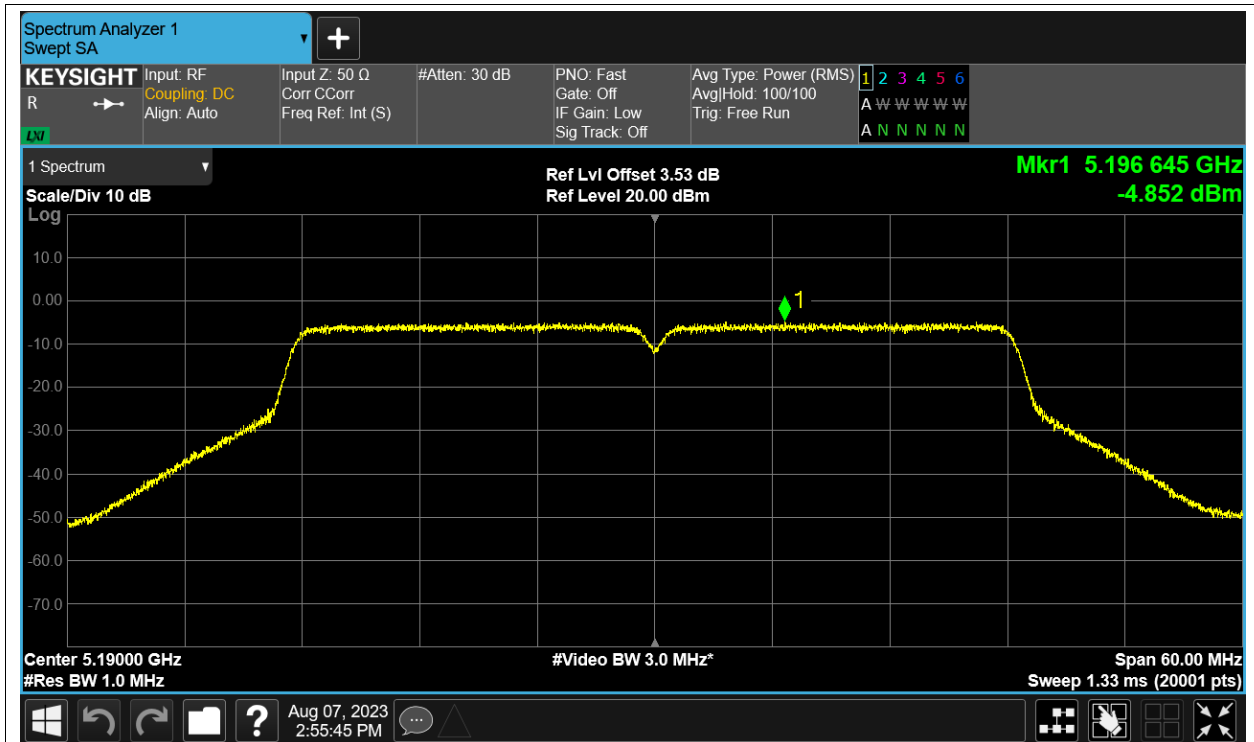
PSD NVNT ac20 5200MHz Ant1



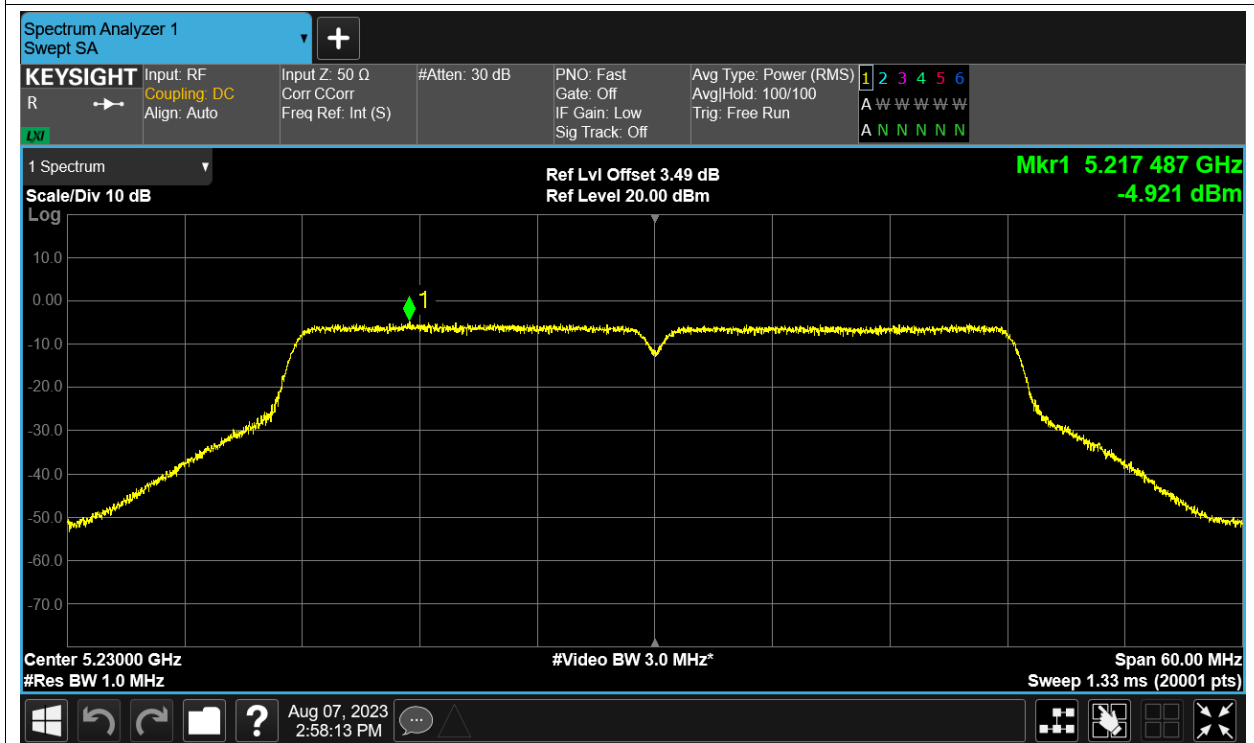
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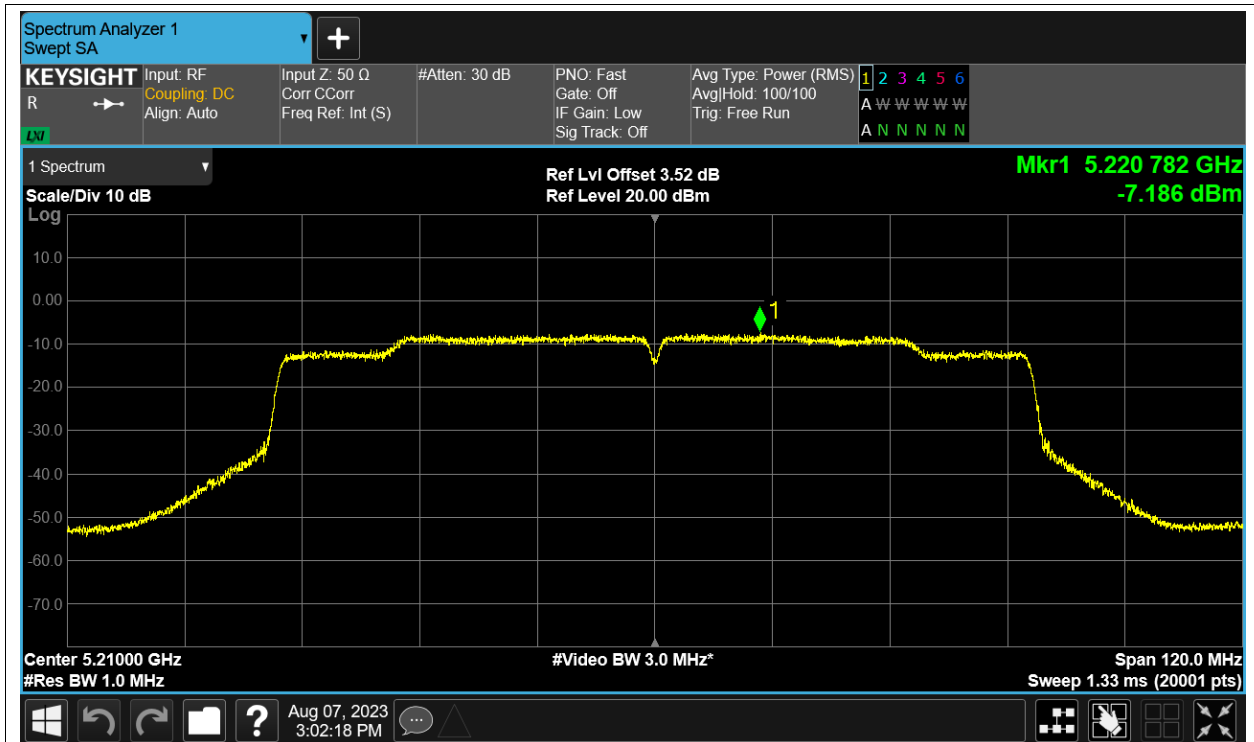
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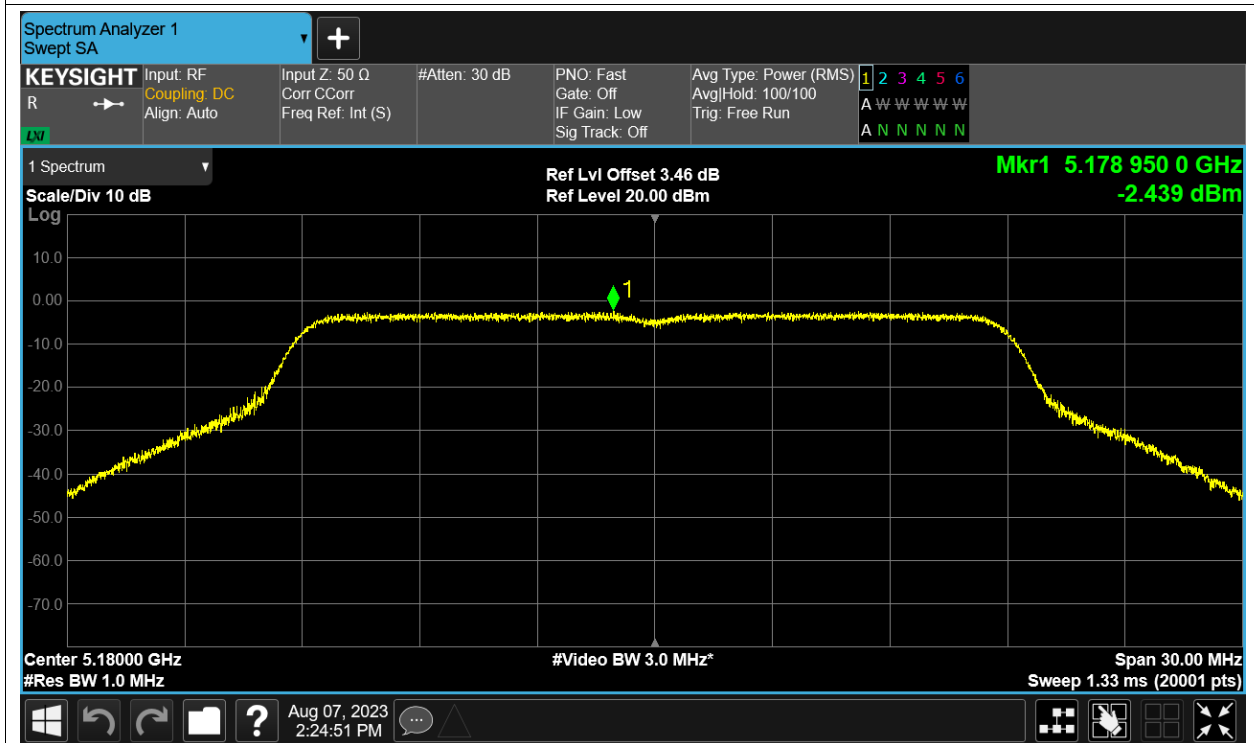
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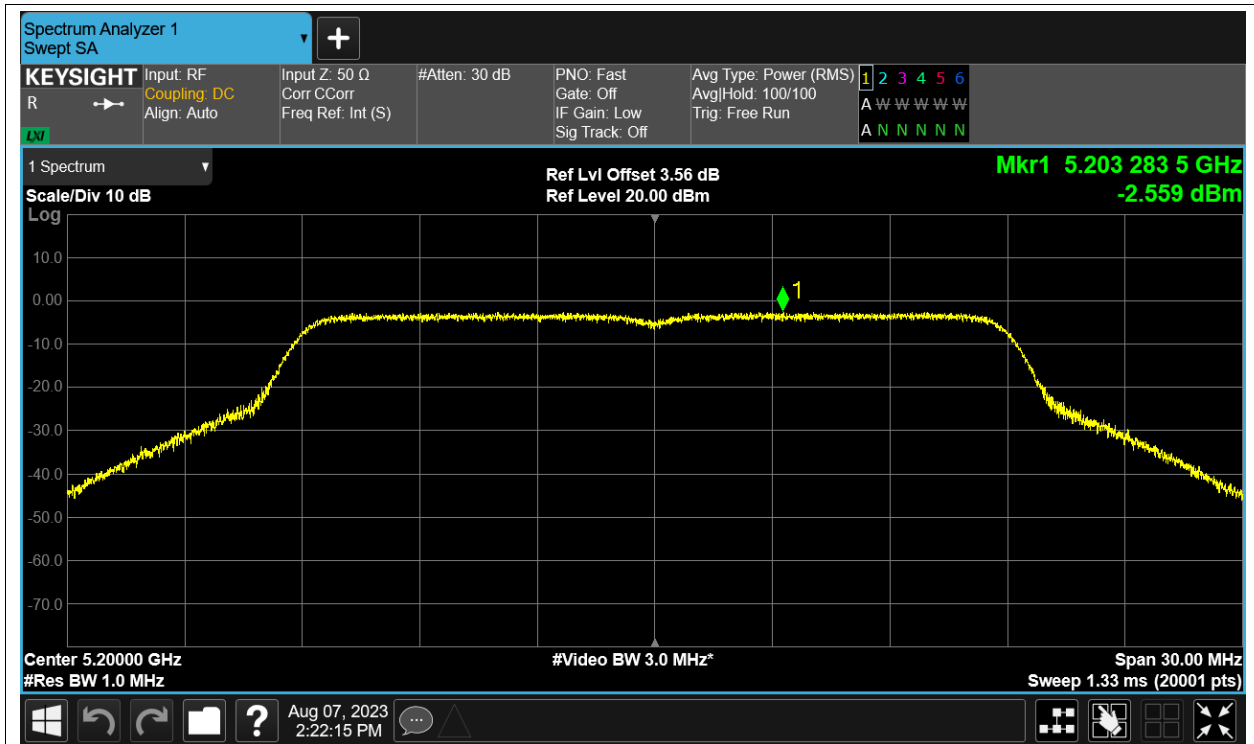
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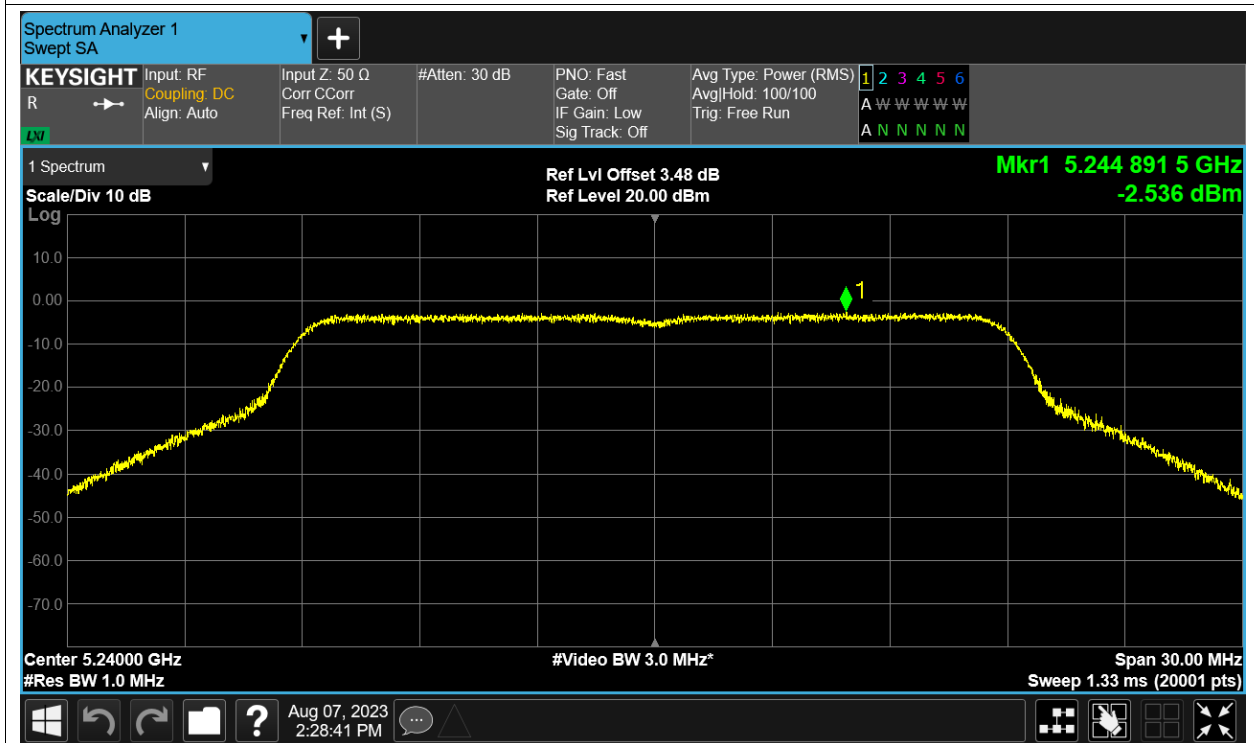
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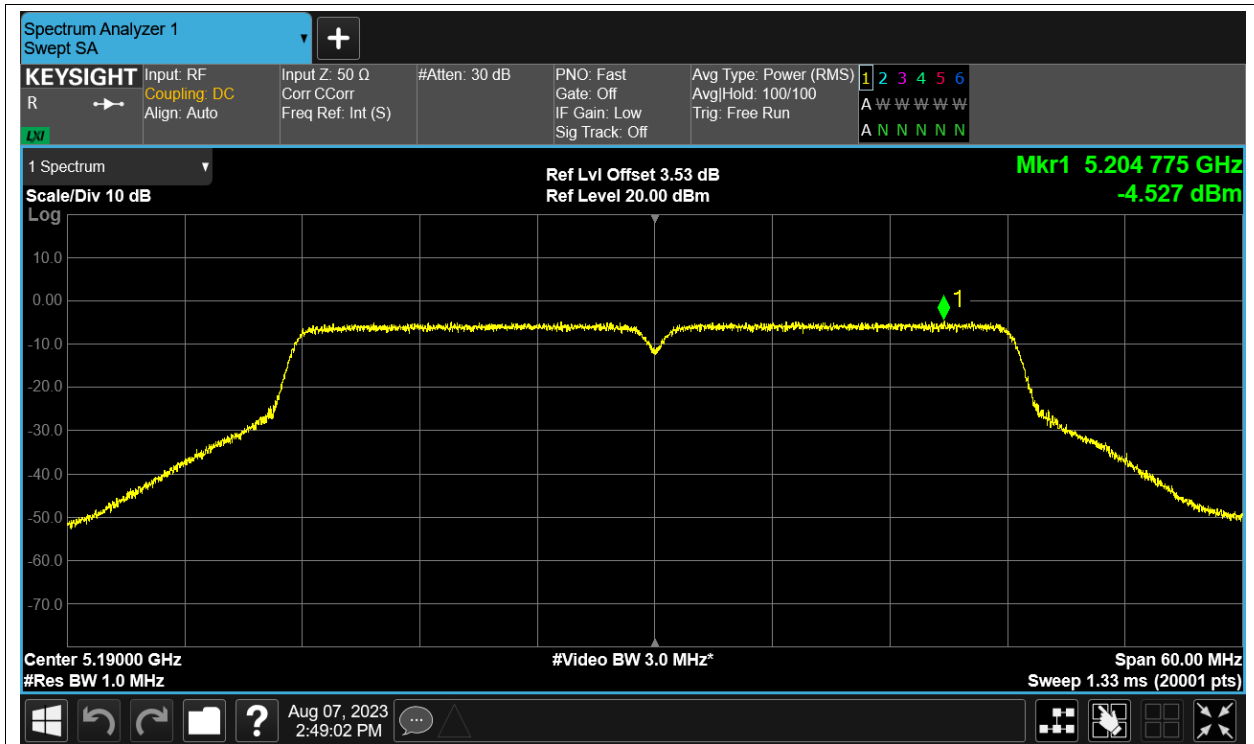
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

