

Test Data

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant23	5179.97	-5.79	Within authorized band	Pass
HVNT	a	5180	Ant24	5179.9665	-6.47		Pass
LVNT	a	5180	Ant23	5179.9705	-5.69		Pass
LVNT	a	5180	Ant24	5179.9665	-6.47		Pass
NVHT	a	5180	Ant23	5179.971	-5.6		Pass
NVHT	a	5180	Ant24	5179.9665	-6.47		Pass
NVLT	a	5180	Ant23	5179.9715	-5.5		Pass
NVLT	a	5180	Ant24	5179.9665	-6.47		Pass
NVNT	a	5180	Ant23	5179.9725	-5.31		Pass
NVNT	a	5180	Ant24	5179.9665	-6.47		Pass
HVNT	ax20	5180	Sum	5179.9665	-6.47		Pass
LVNT	ax20	5180	Sum	5179.9675	-6.27		Pass
NVHT	ax20	5180	Sum	5179.968	-6.18		Pass
NVLT	ax20	5180	Sum	5179.969	-5.98		Pass
NVNT	ax20	5180	Sum	5179.9695	-5.89		Pass
HVNT	ax40	5190	Sum	5189.9665	-6.45		Pass
LVNT	ax40	5190	Sum	5189.967	-6.36		Pass
NVHT	ax40	5190	Sum	5189.9675	-6.26		Pass
NVLT	ax40	5190	Sum	5189.9685	-6.07		Pass
NVNT	ax40	5190	Sum	5189.969	-5.97		Pass
HVNT	ax80	5210	Sum	5209.9635	-7.01		Pass
LVNT	ax80	5210	Sum	5209.9665	-6.43		Pass
NVHT	ax80	5210	Sum	5209.9685	-6.05		Pass
NVLT	ax80	5210	Sum	5209.9685	-6.05		Pass
NVNT	ax80	5210	Sum	5209.9695	-5.85		Pass
HVNT	n20	5180	Sum	5179.967	-6.37		Pass
LVNT	n20	5180	Sum	5179.9675	-6.27		Pass
NVHT	n20	5180	Sum	5179.968	-6.18		Pass
NVLT	n20	5180	Sum	5179.969	-5.98		Pass
NVNT	n20	5180	Sum	5179.97	-5.79		Pass
HVNT	n40	5190	Sum	5189.9665	-6.45	Pass	
LVNT	n40	5190	Sum	5189.967	-6.36	Pass	
NVHT	n40	5190	Sum	5189.9675	-6.26	Pass	
NVLT	n40	5190	Sum	5189.968	-6.17	Pass	
NVNT	n40	5190	Sum	5189.9685	-6.07	Pass	

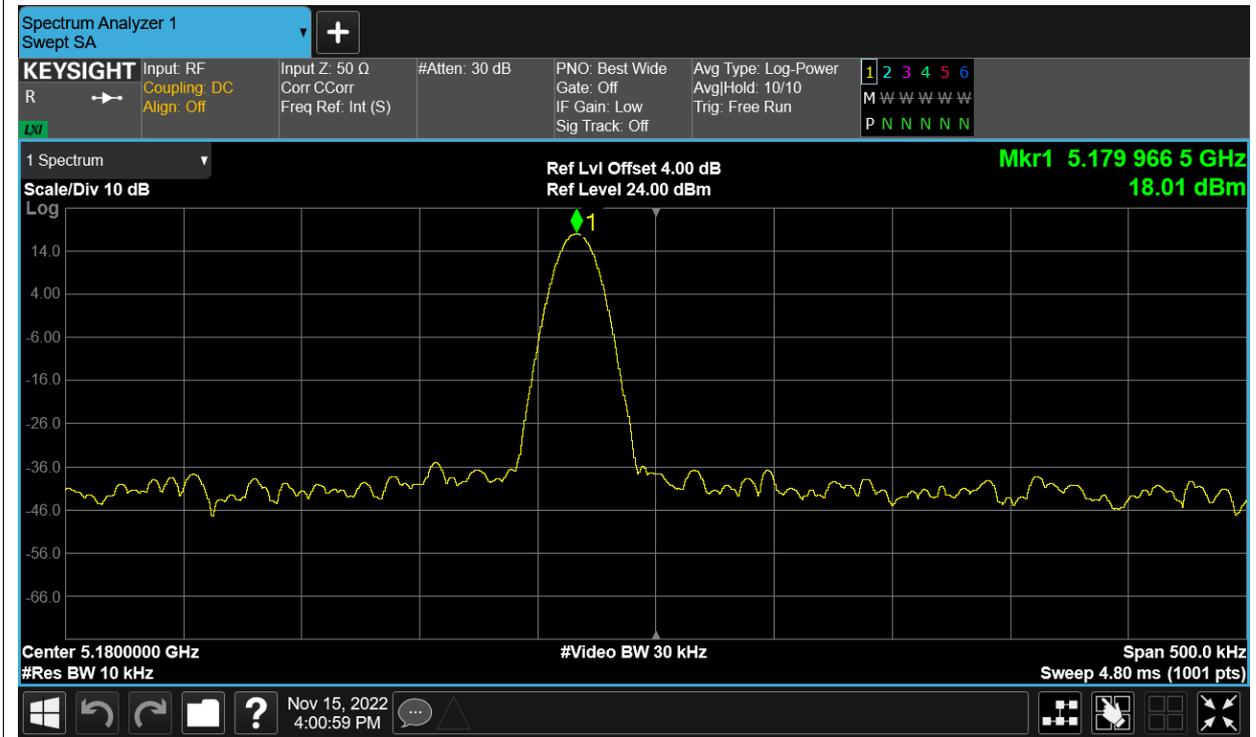
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

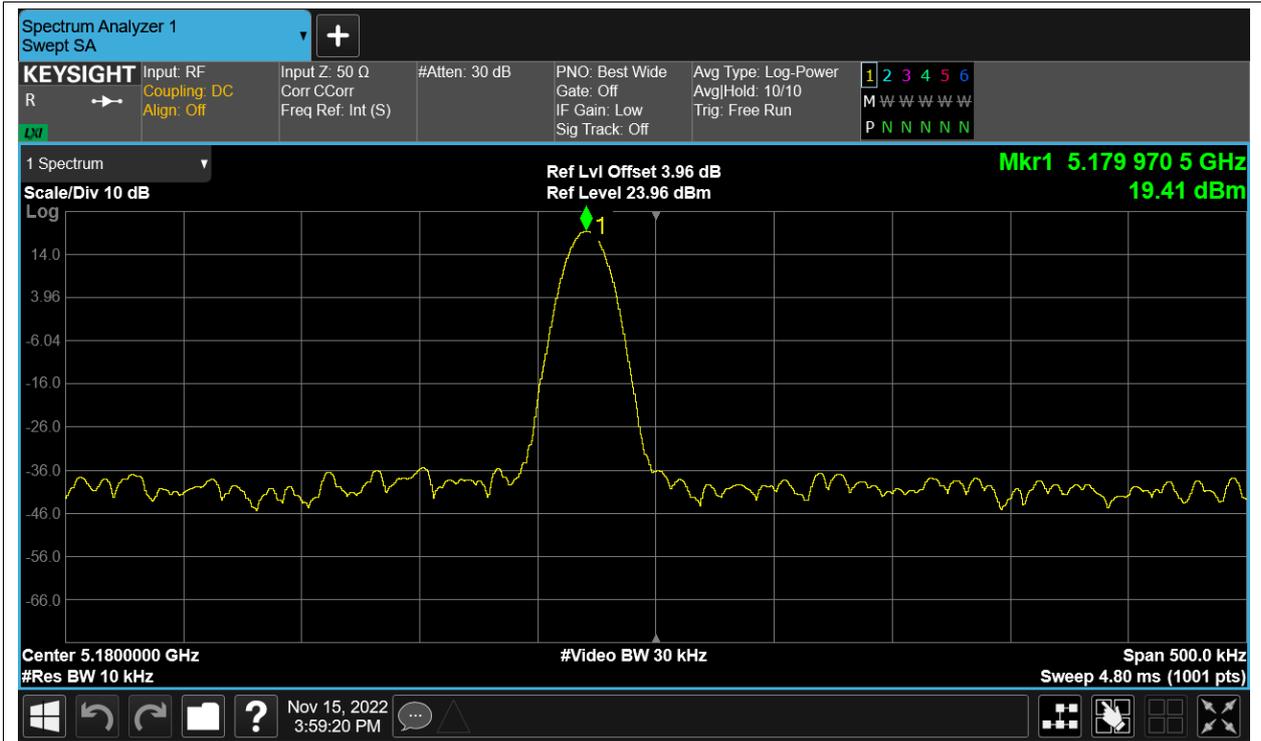
Freq. Stability HVNT a 5180MHz Ant23



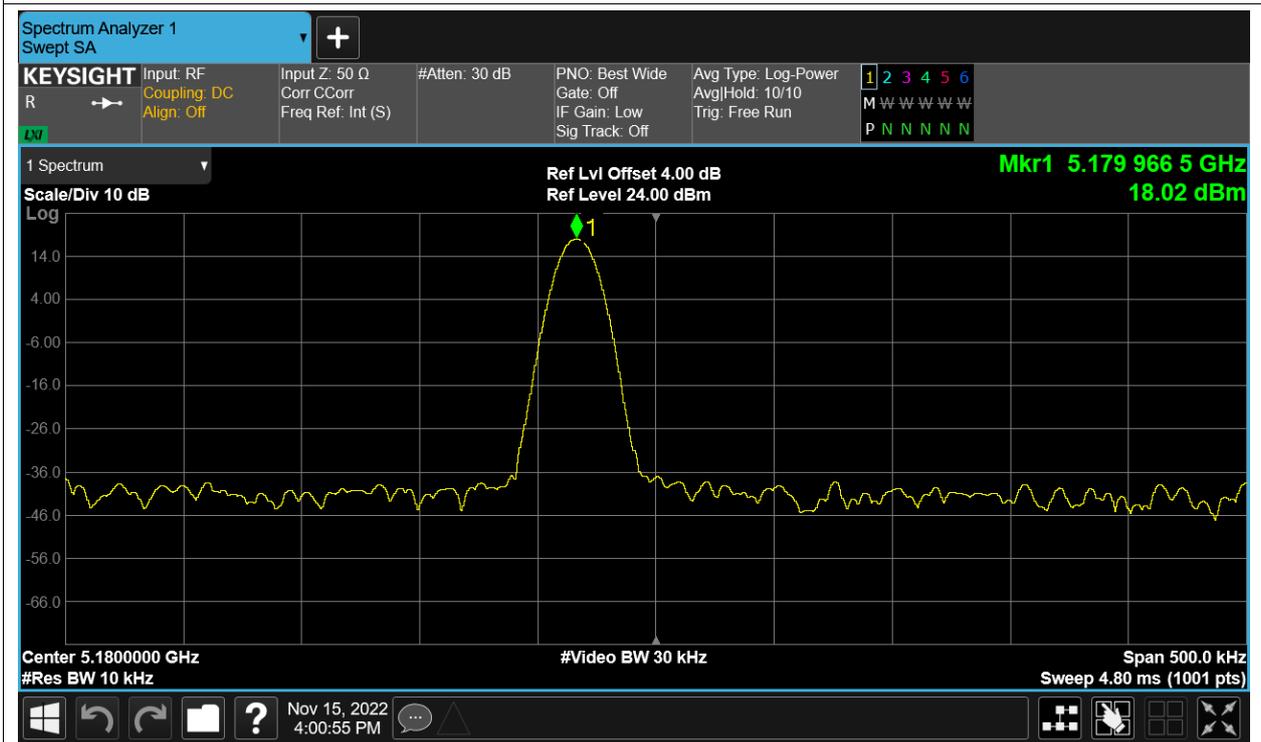
Freq. Stability HVNT a 5180MHz Ant24



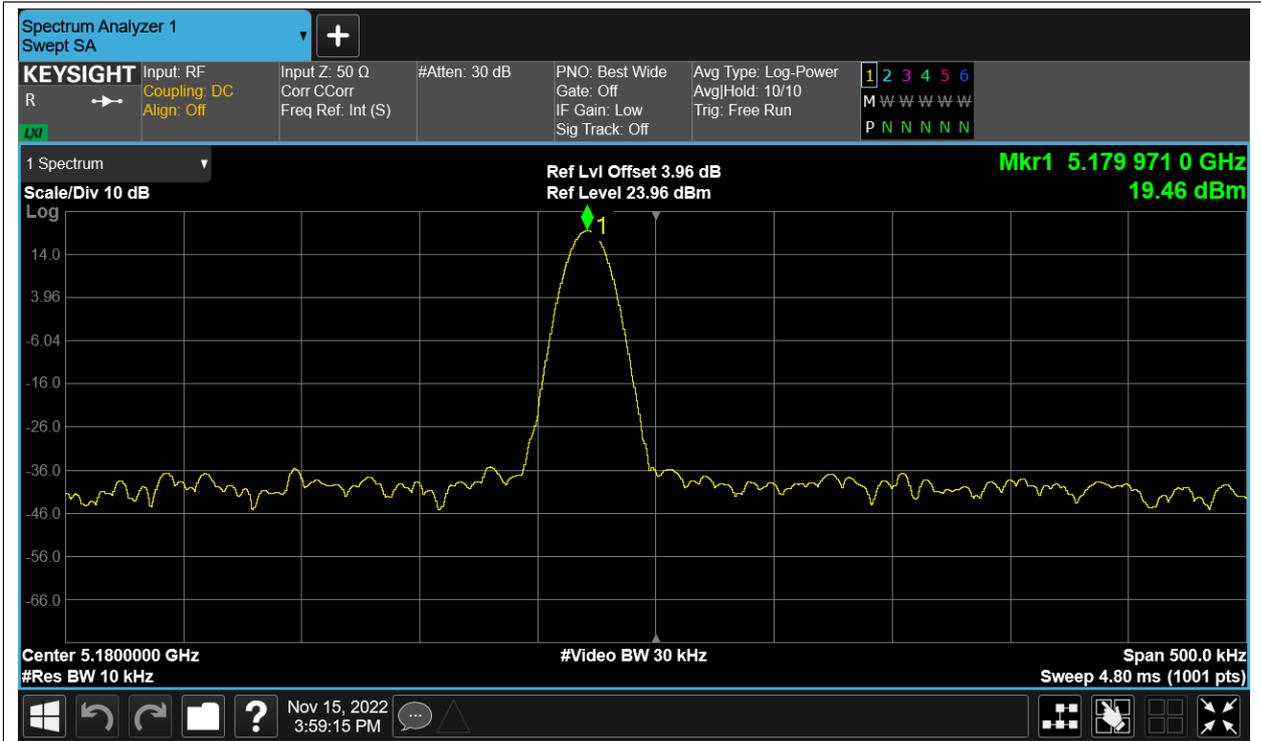
Freq. Stability LVNT a 5180MHz Ant23



Freq. Stability LVNT a 5180MHz Ant24



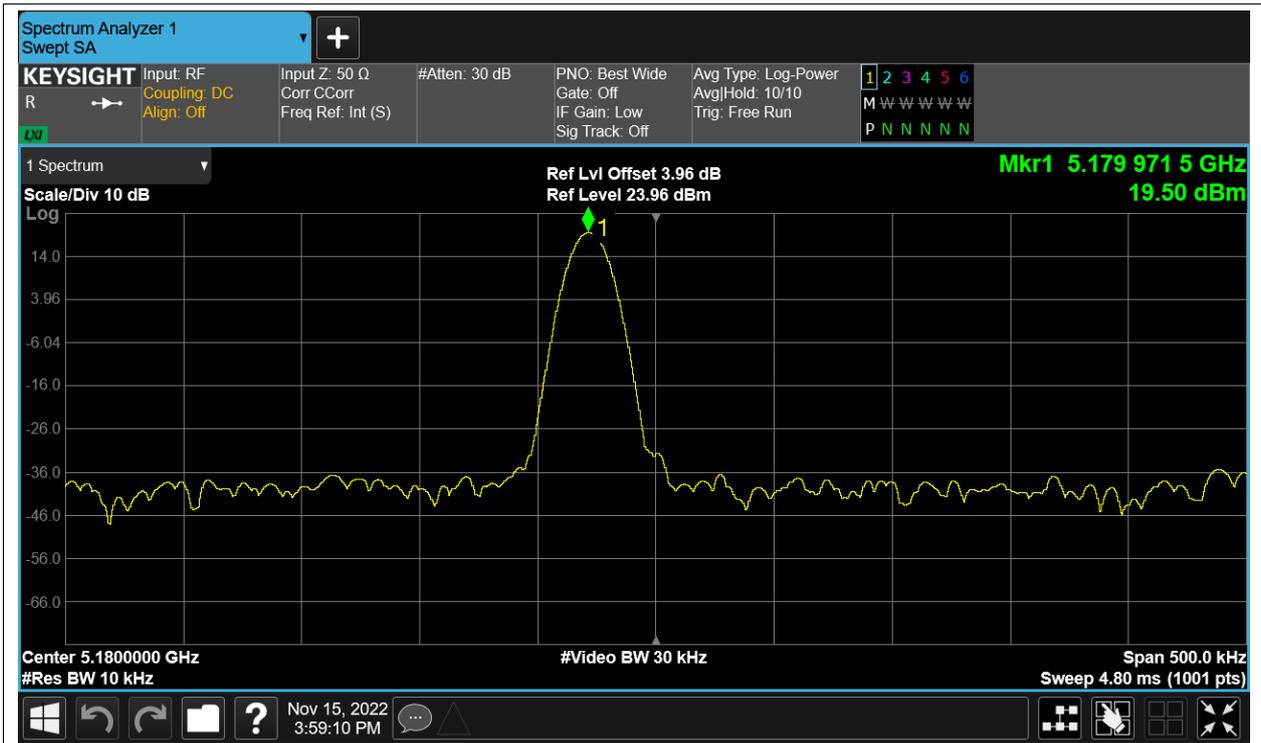
Freq. Stability NVHT a 5180MHz Ant23



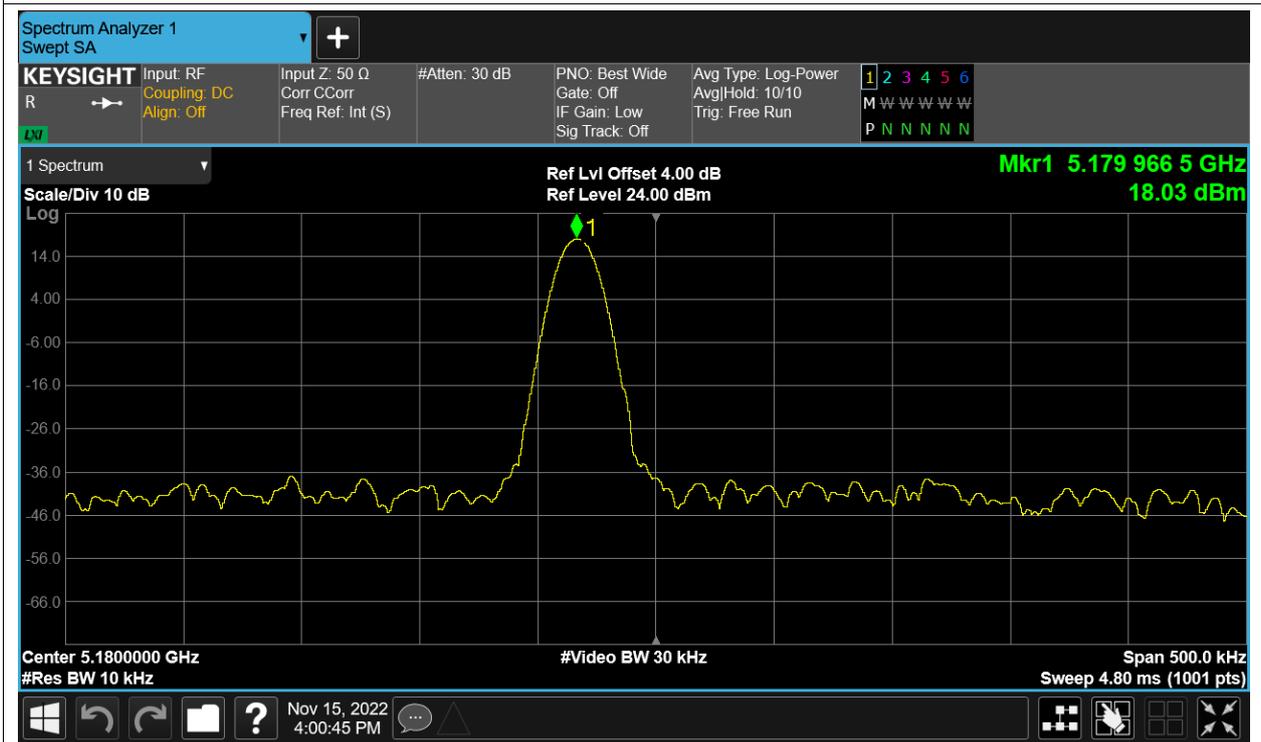
Freq. Stability NVHT a 5180MHz Ant24



Freq. Stability NVLT a 5180MHz Ant23



Freq. Stability NVLT a 5180MHz Ant24



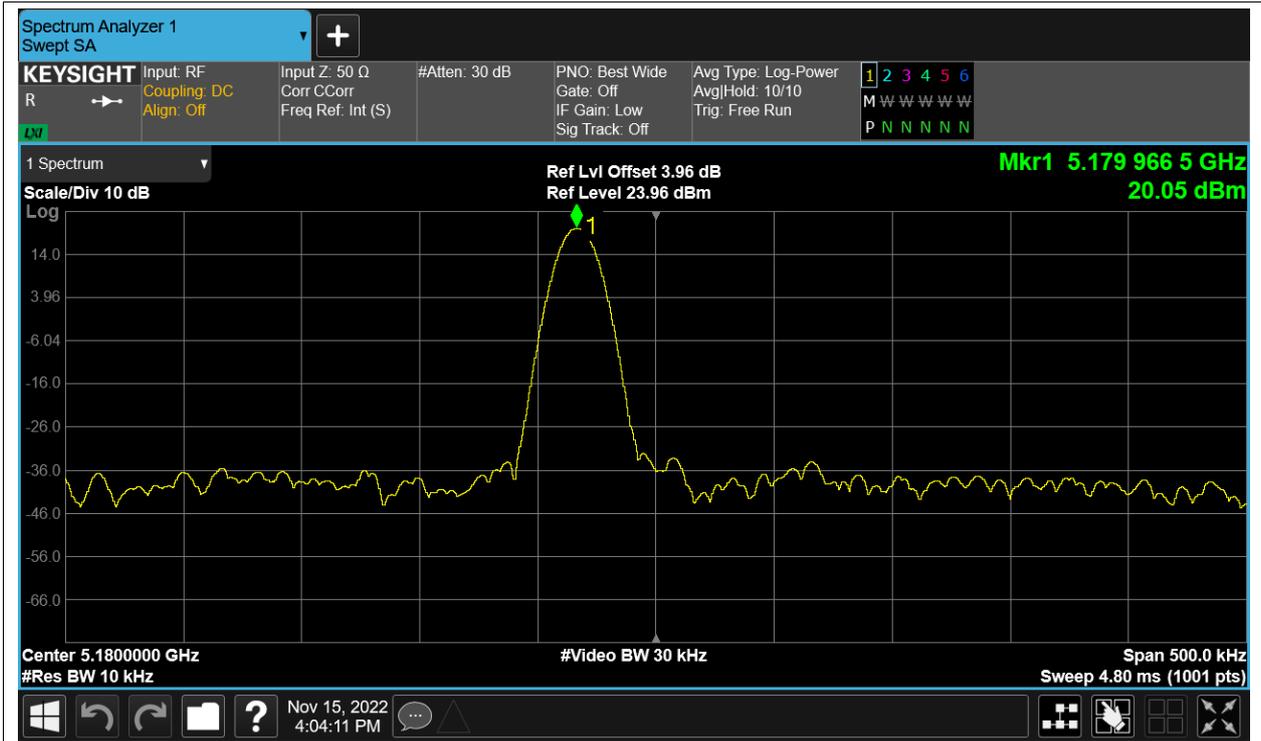
Freq. Stability NVNT a 5180MHz Ant23



Freq. Stability NVNT a 5180MHz Ant24



Freq. Stability HVNT ax20 5180MHz Sum



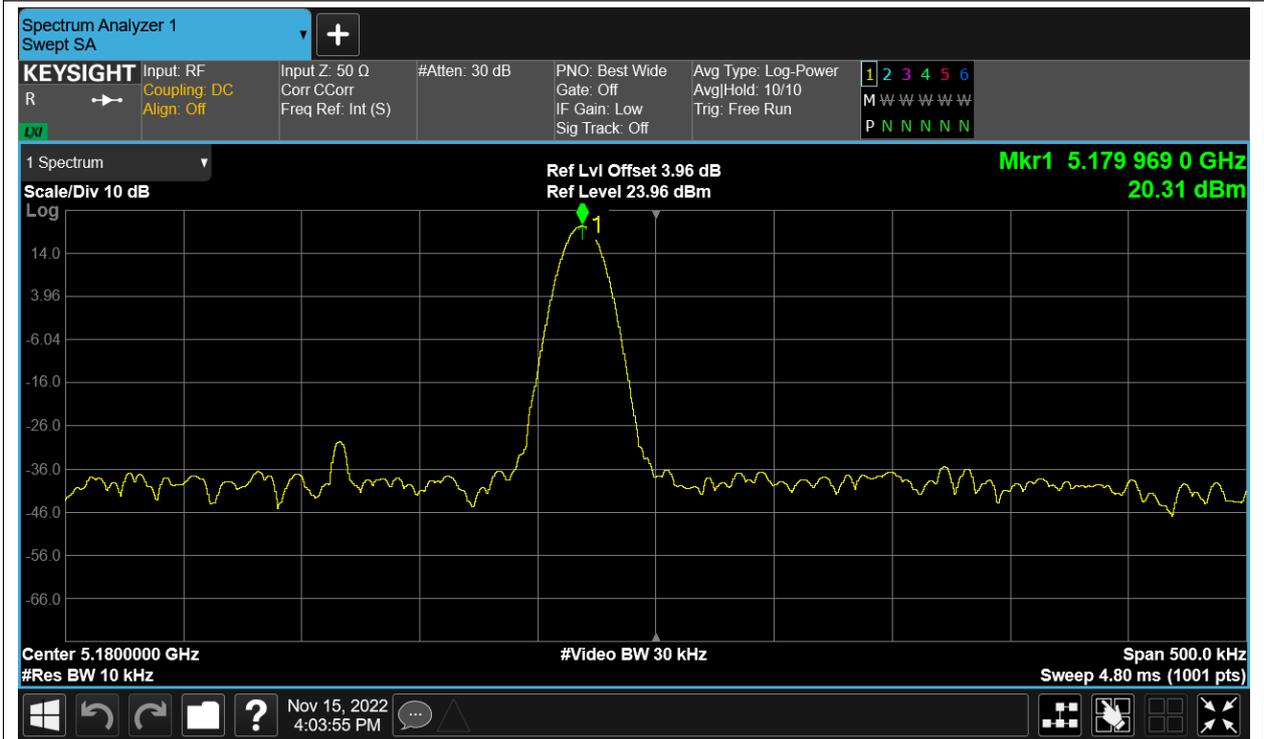
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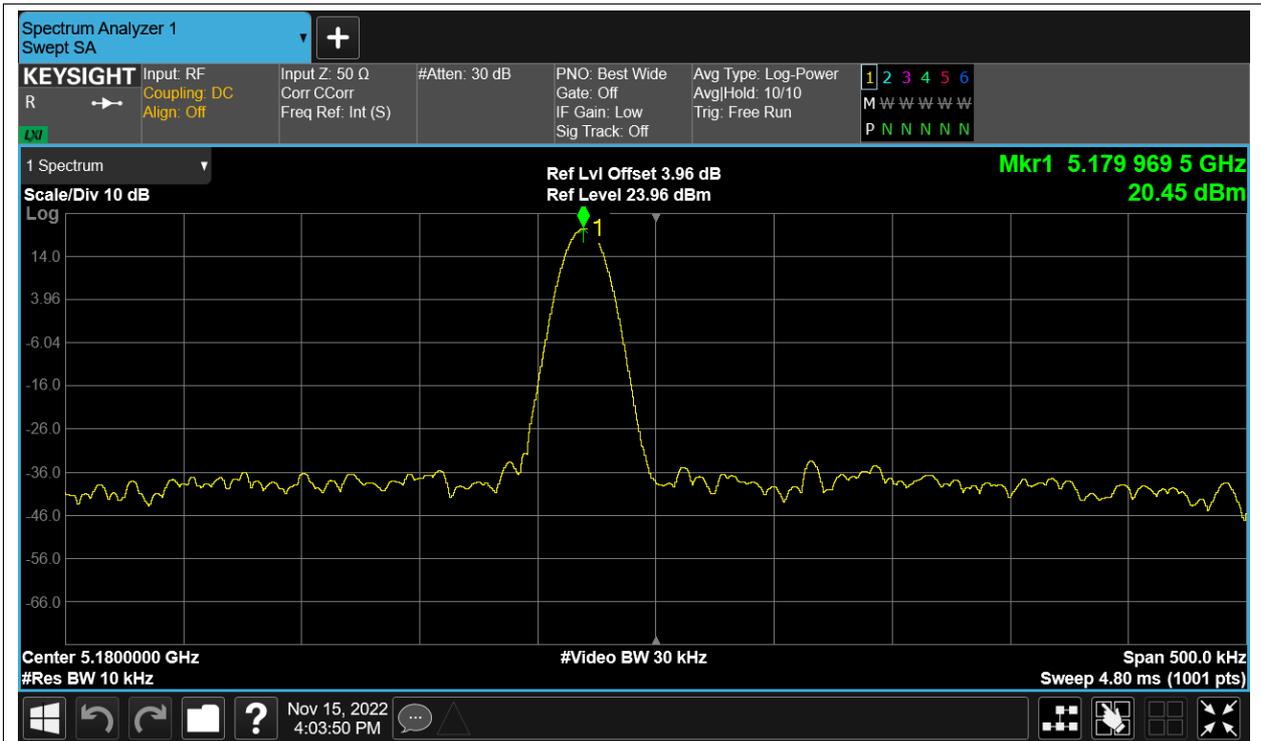
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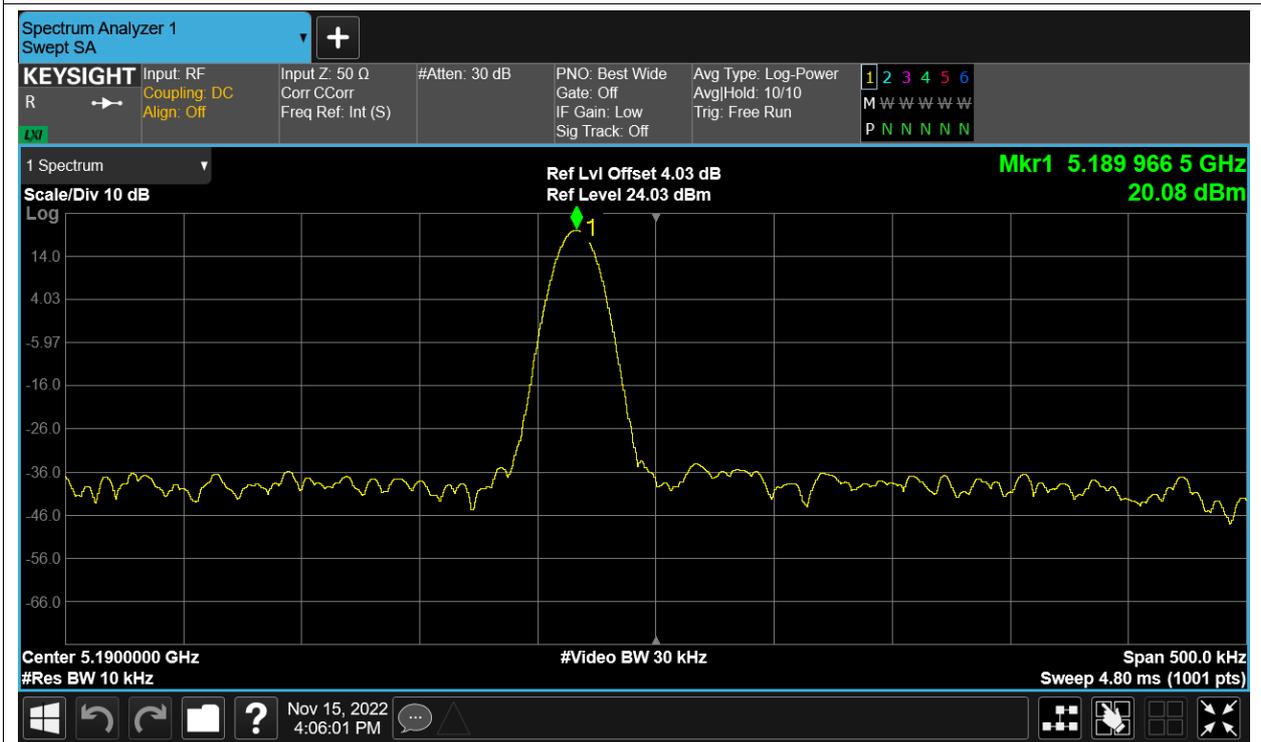
Freq. Stability NVLT ax20 5180MHz Sum



Freq. Stability NVNT ax20 5180MHz Sum



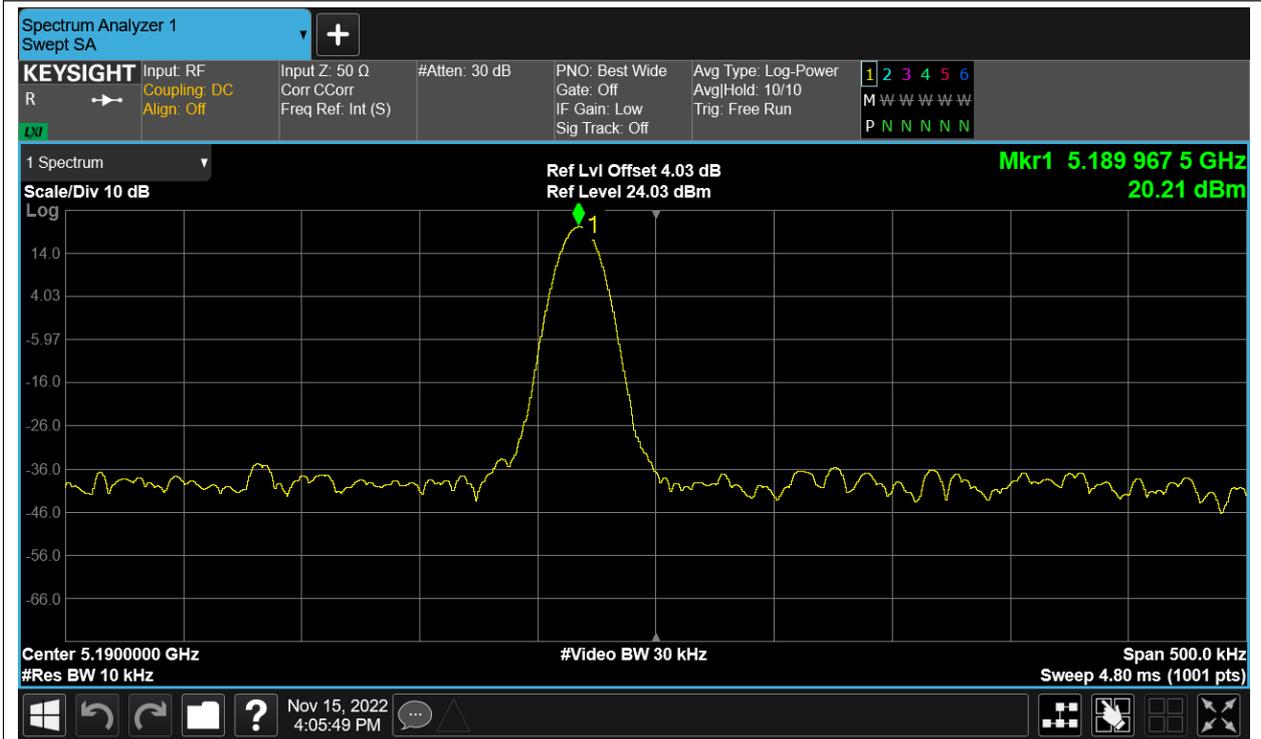
Freq. Stability HVNT ax40 5190MHz Sum



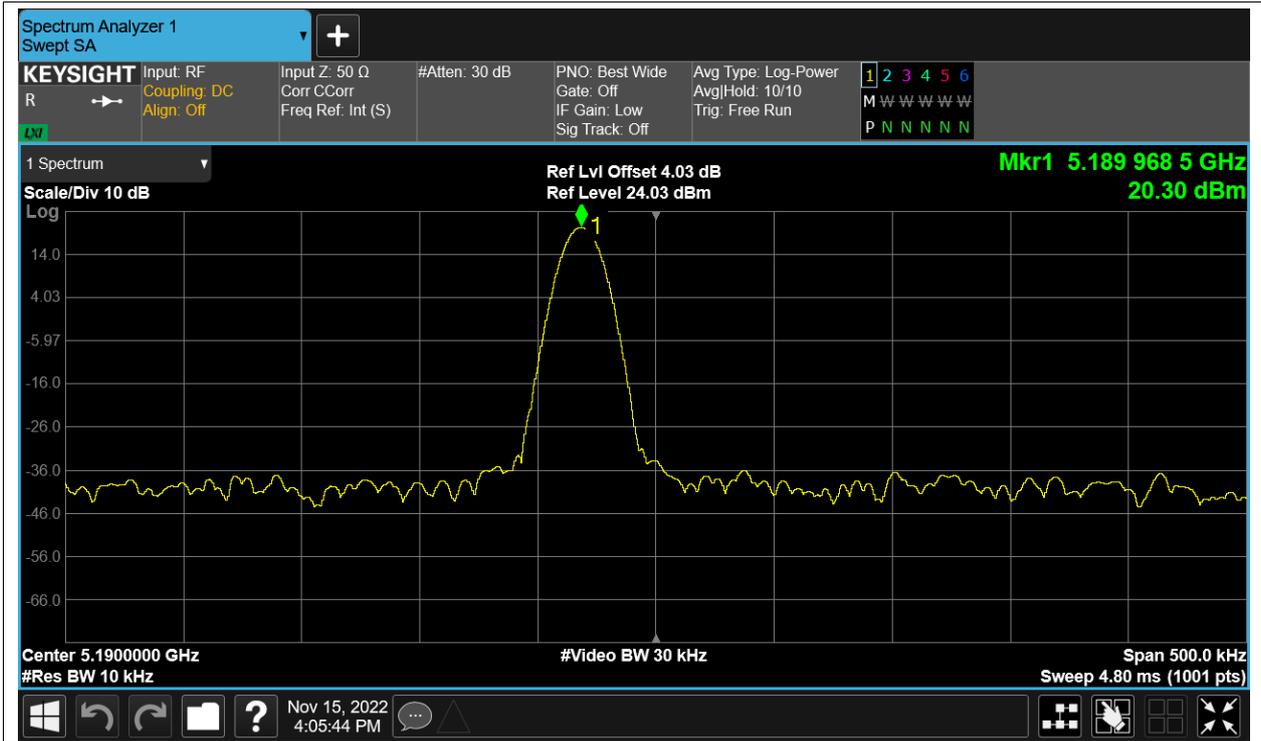
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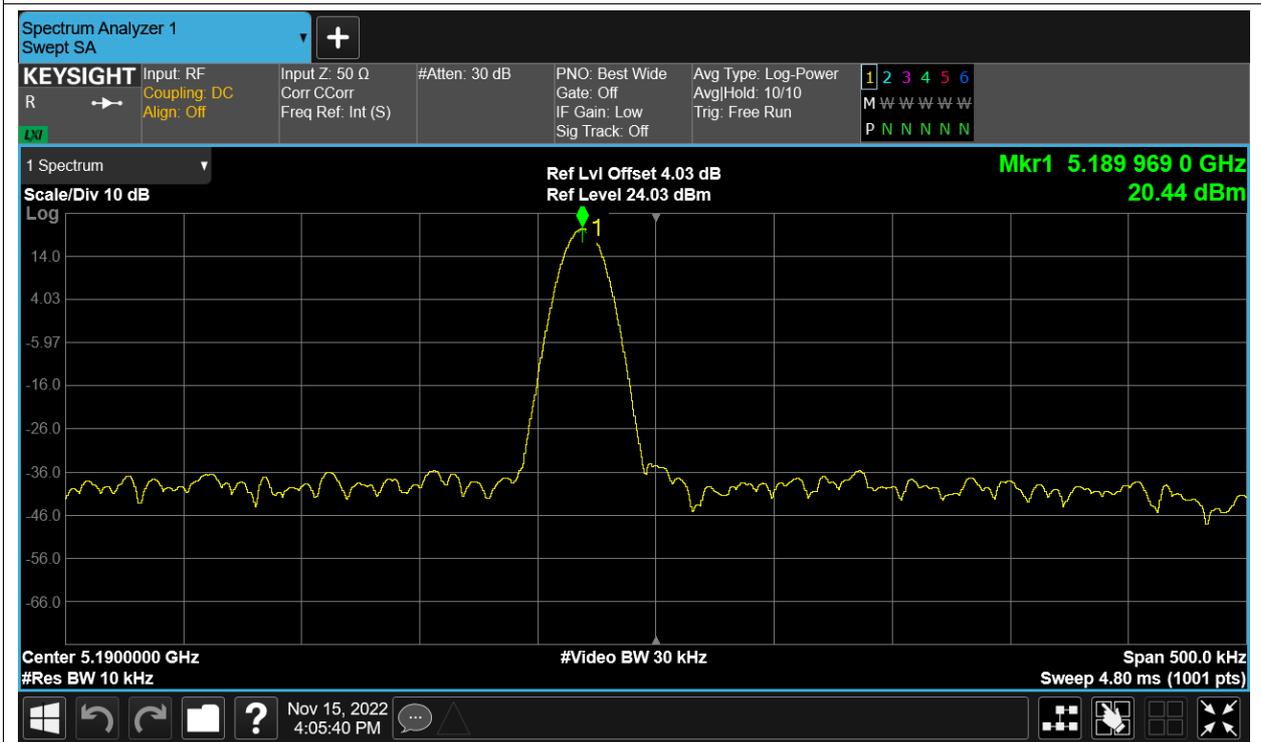
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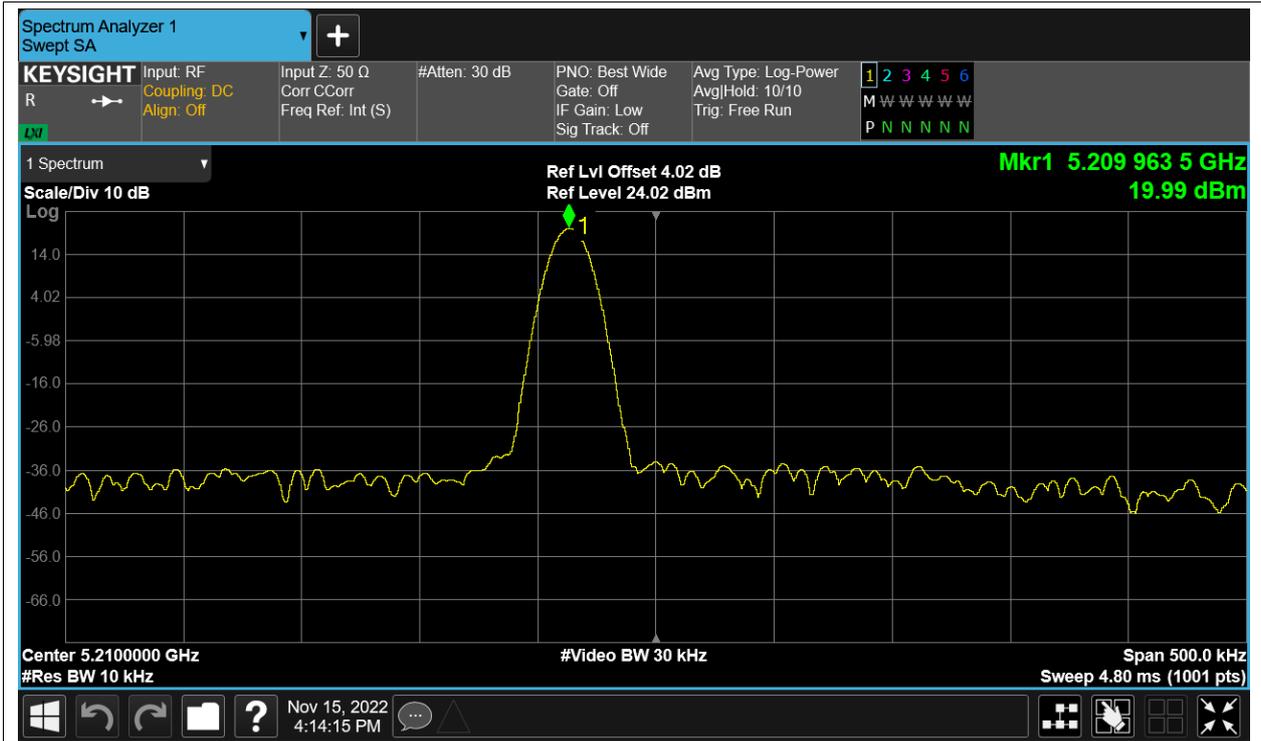
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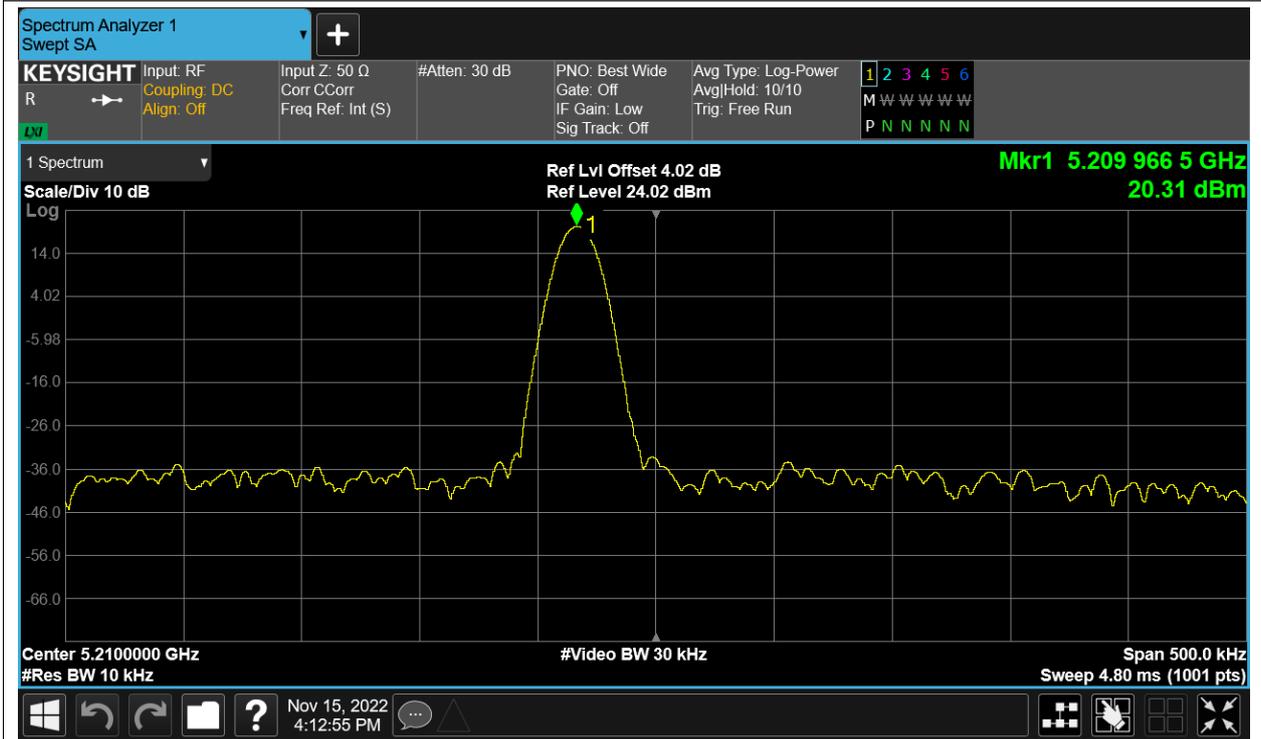
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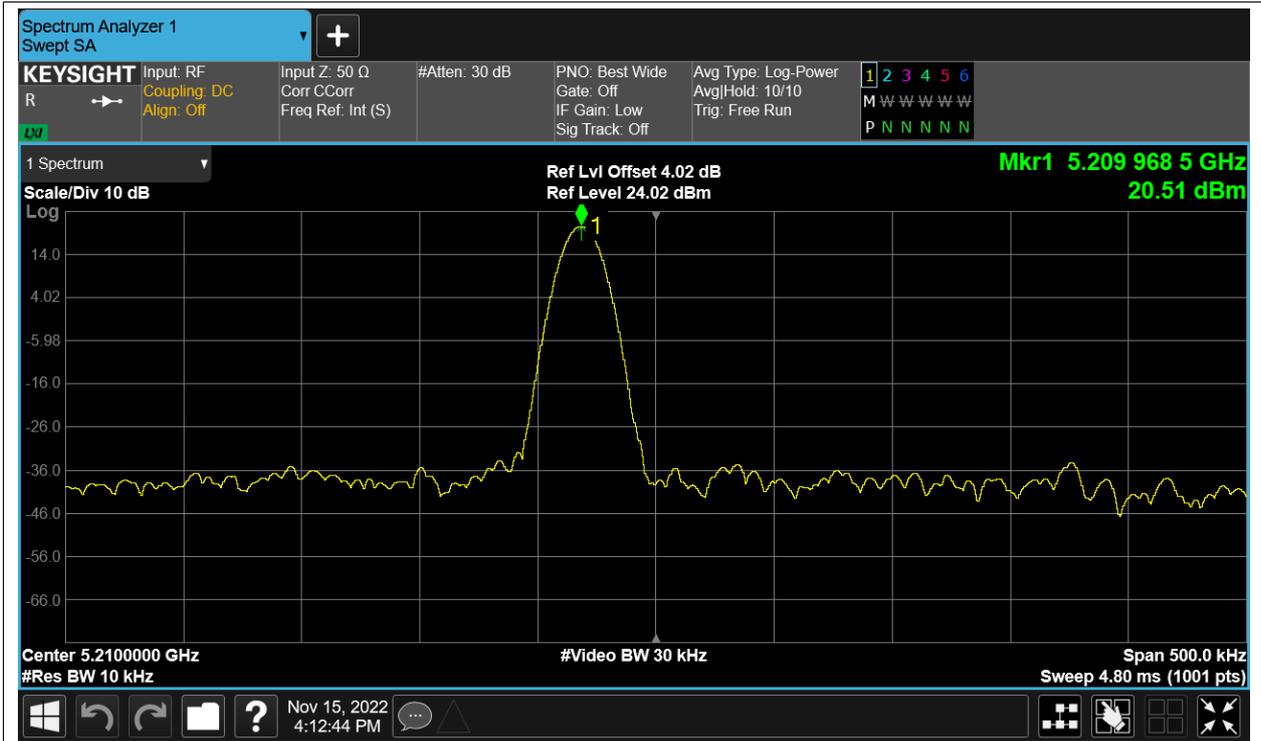
Freq. Stability HVNT ax80 5210MHz Sum



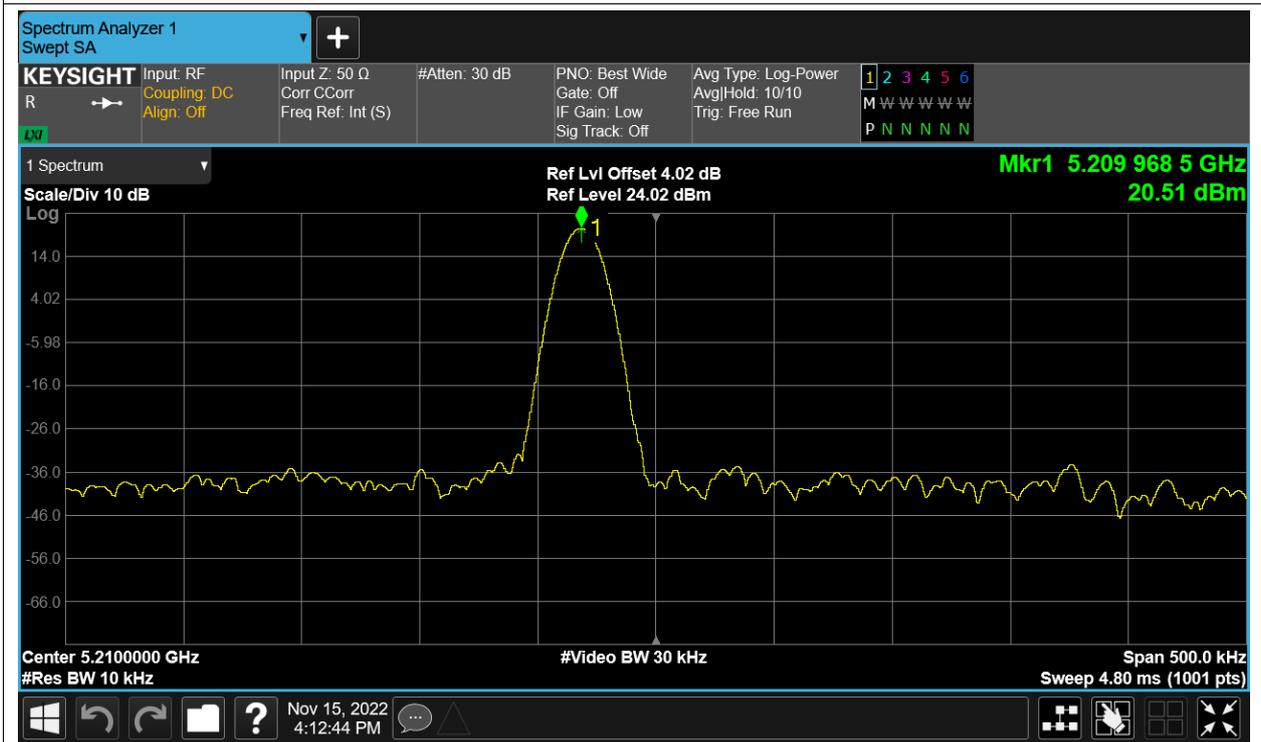
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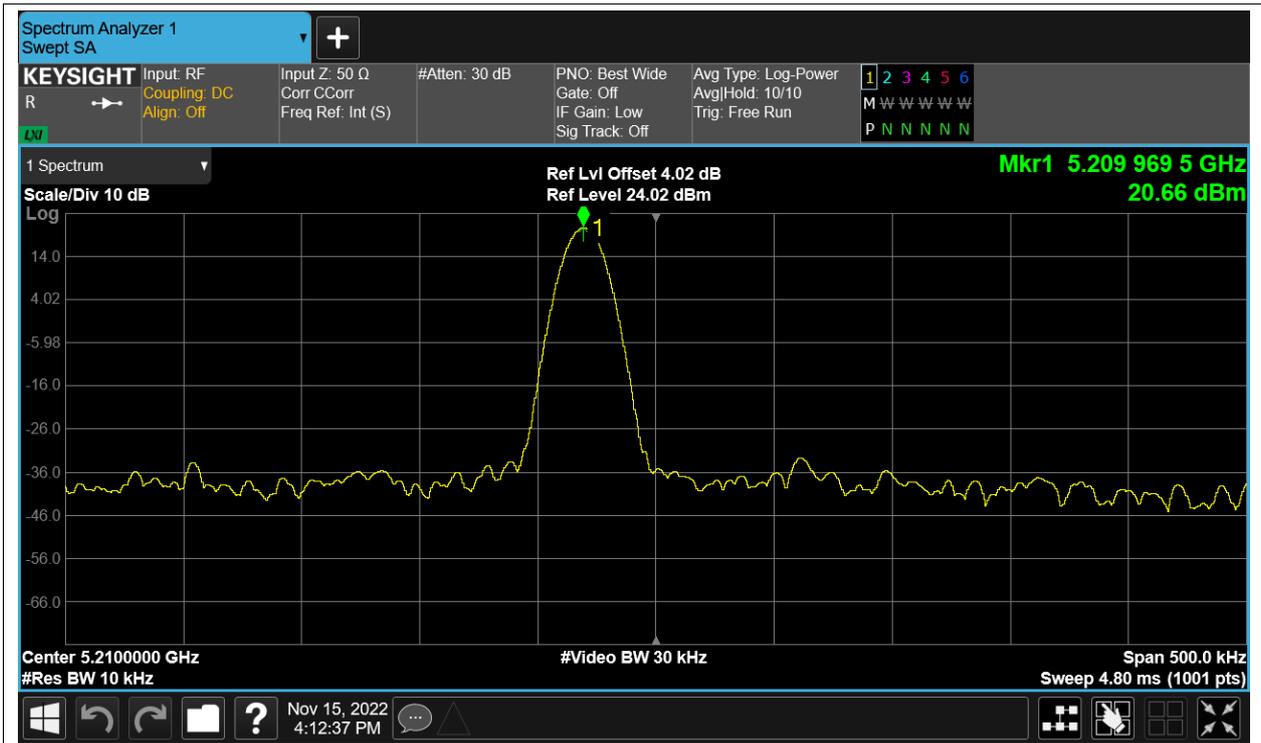
Freq. Stability NVHT ax80 5210MHz Sum



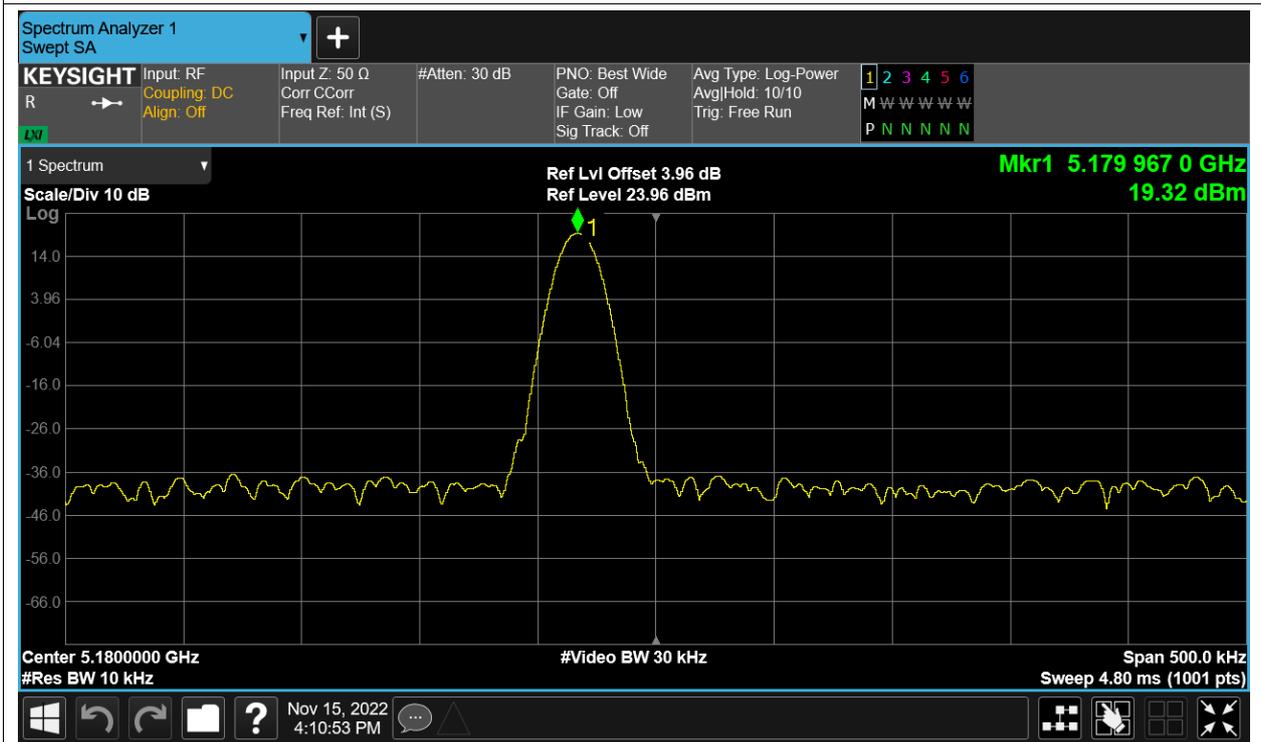
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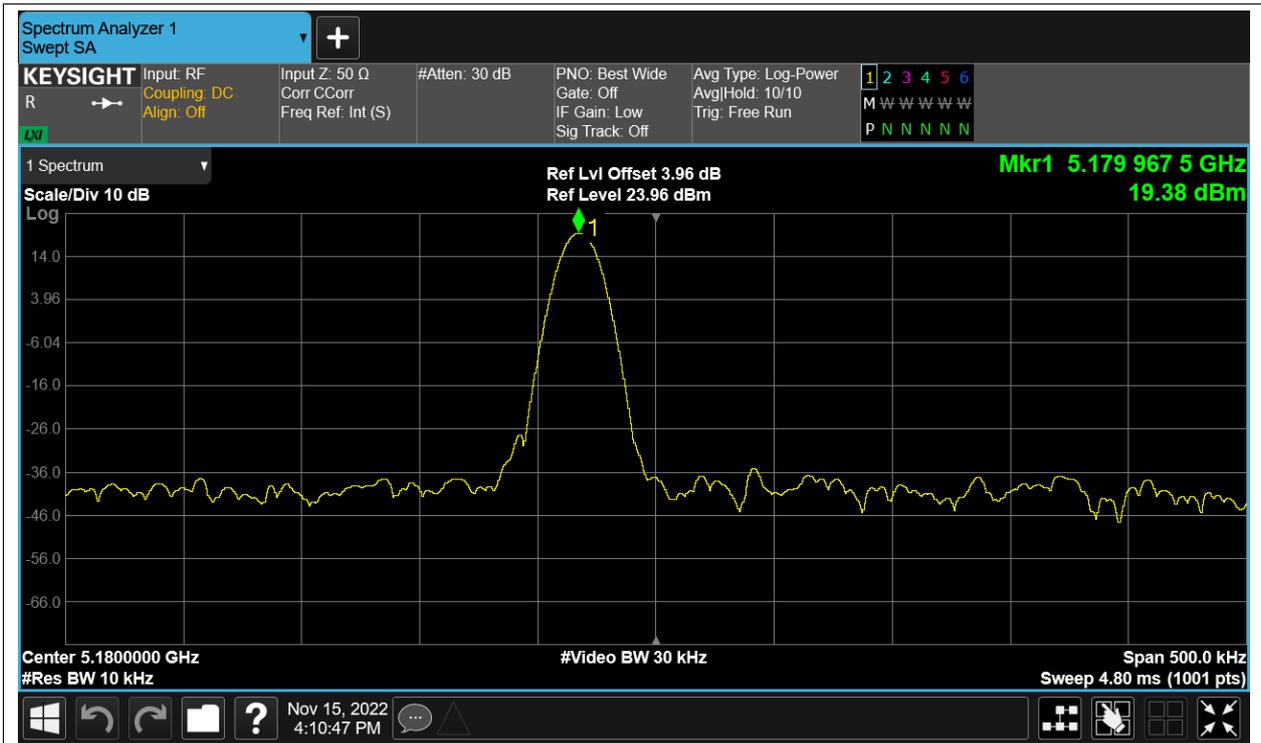
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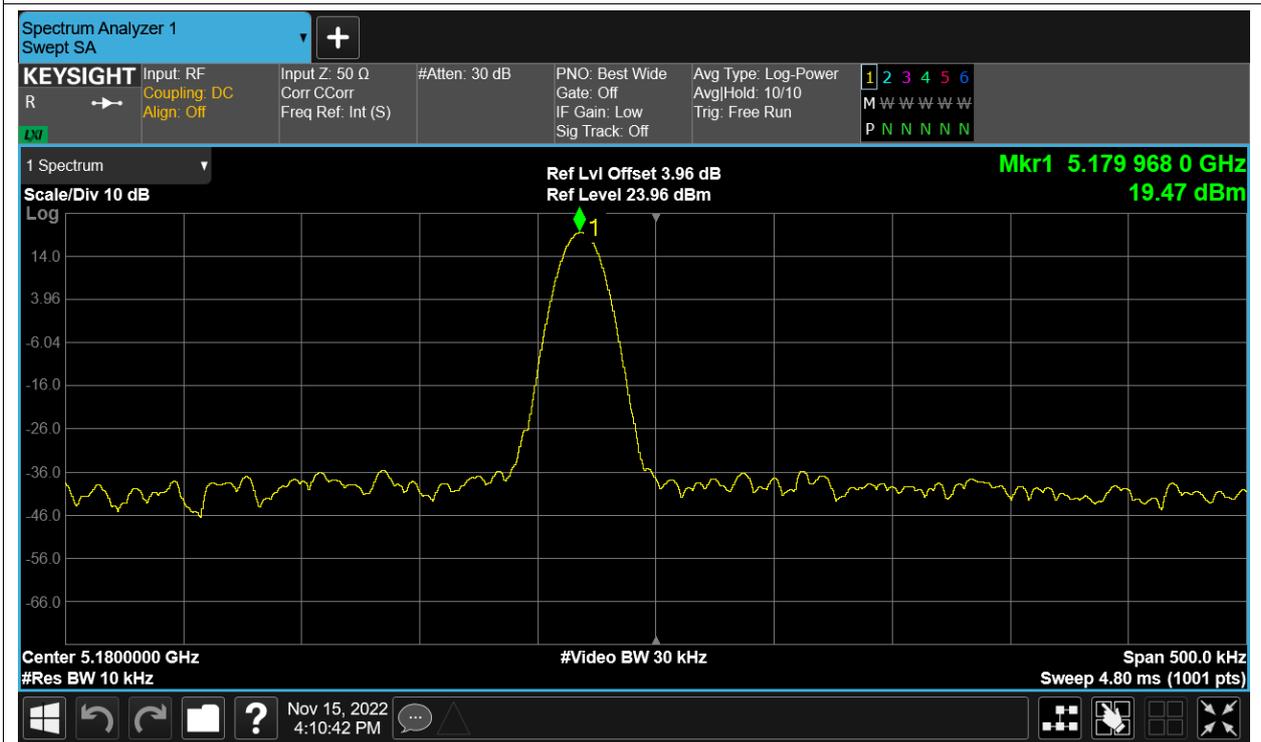
Freq. Stability HVNT n20 5180MHz Sum



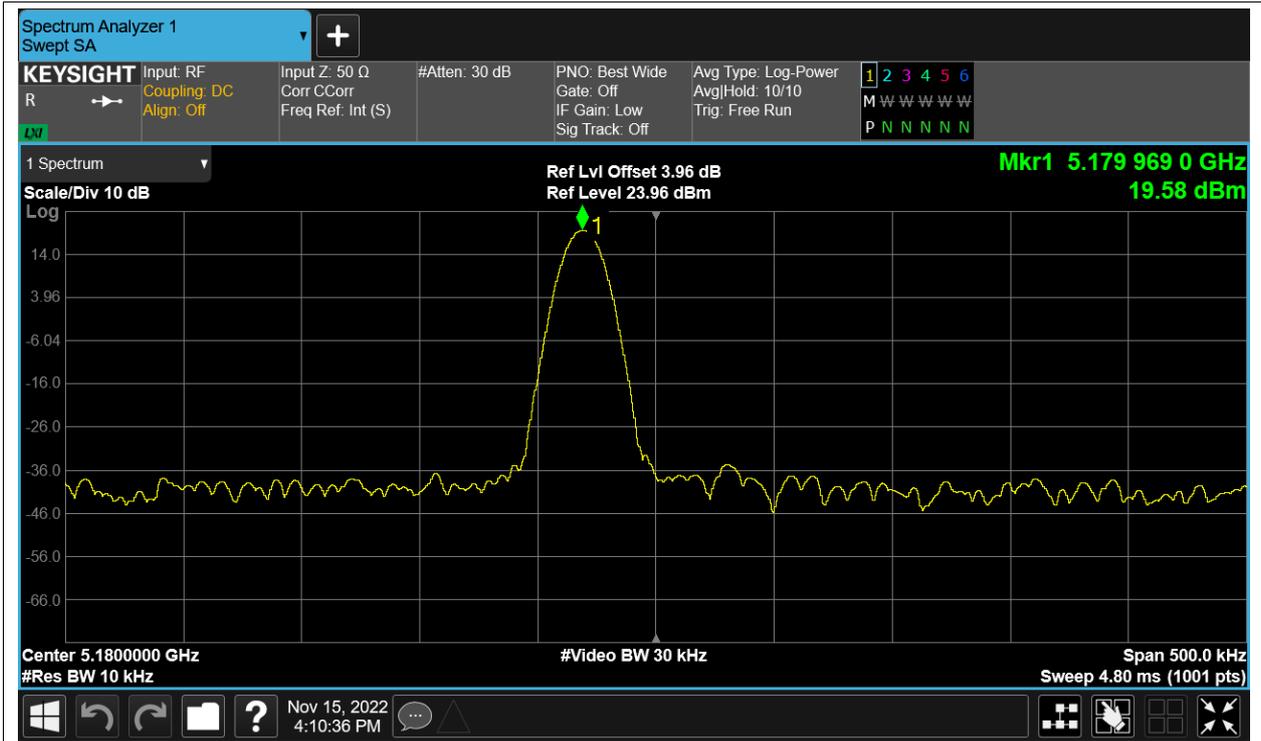
Freq. Stability LVNT n20 5180MHz Sum



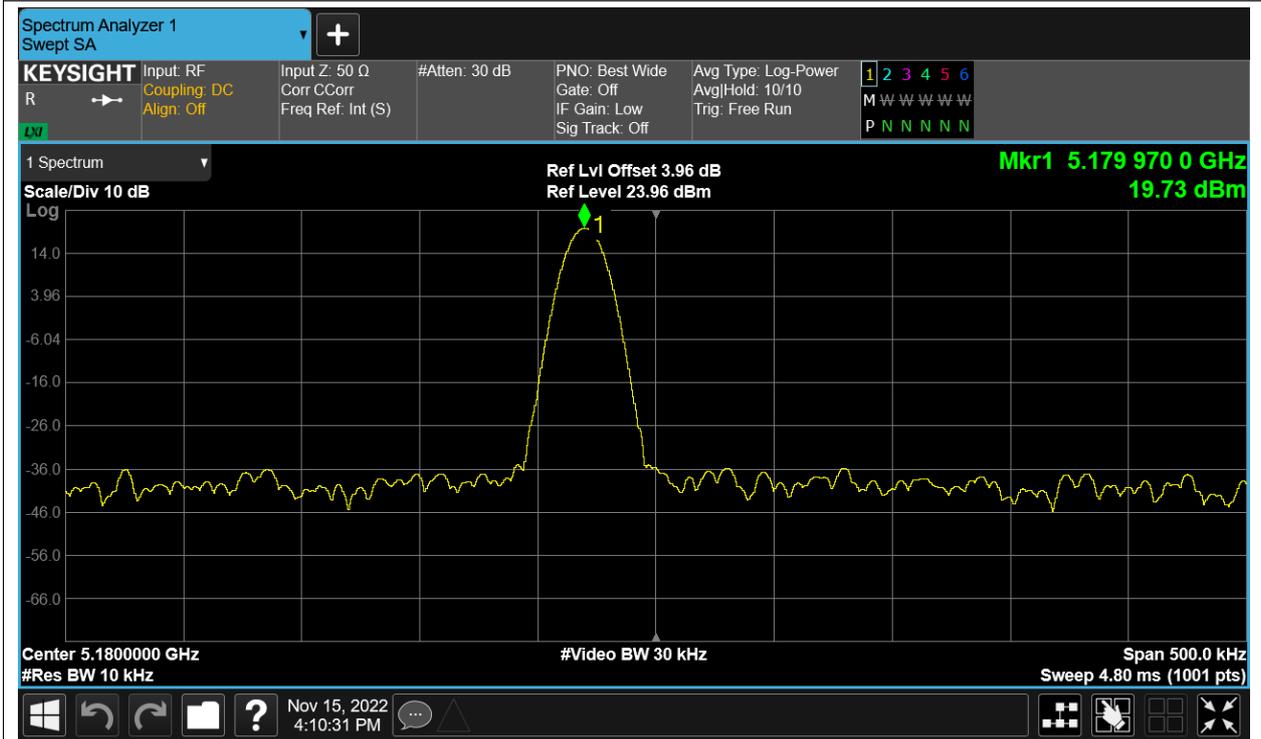
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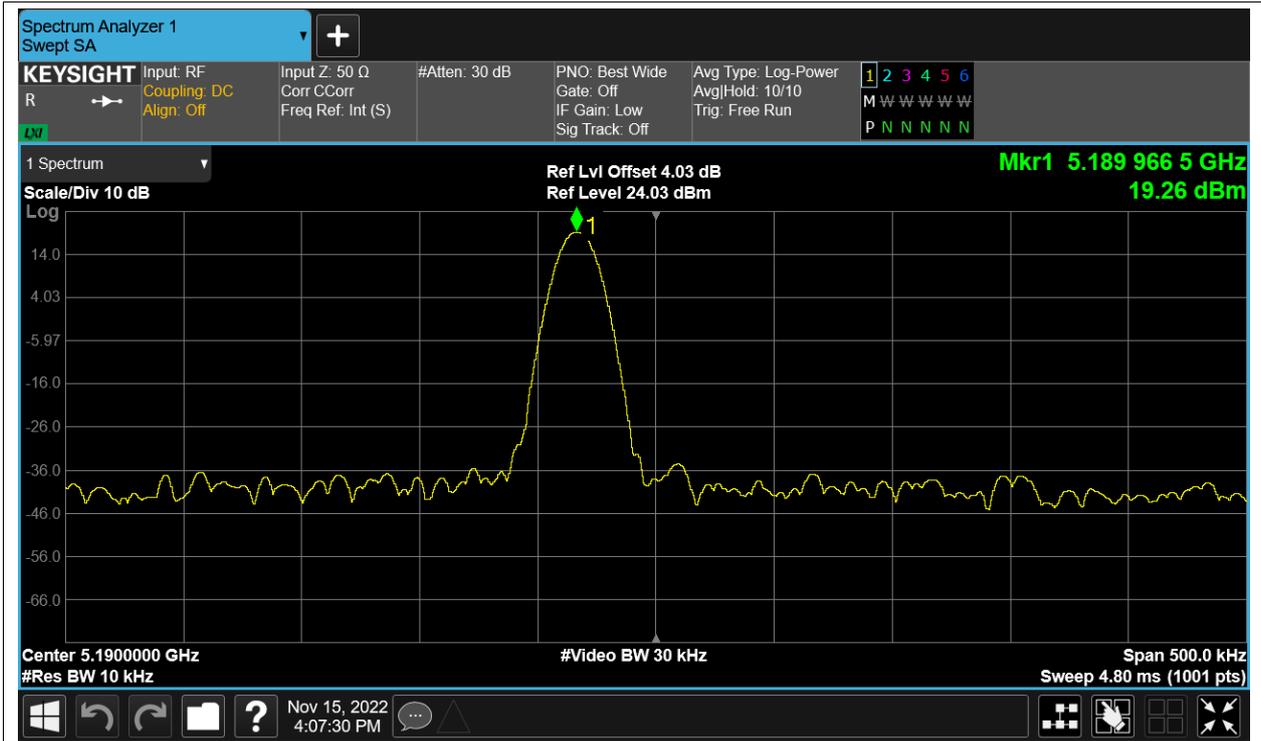
Freq. Stability NVLT n20 5180MHz Sum



Freq. Stability NVNT n20 5180MHz Sum



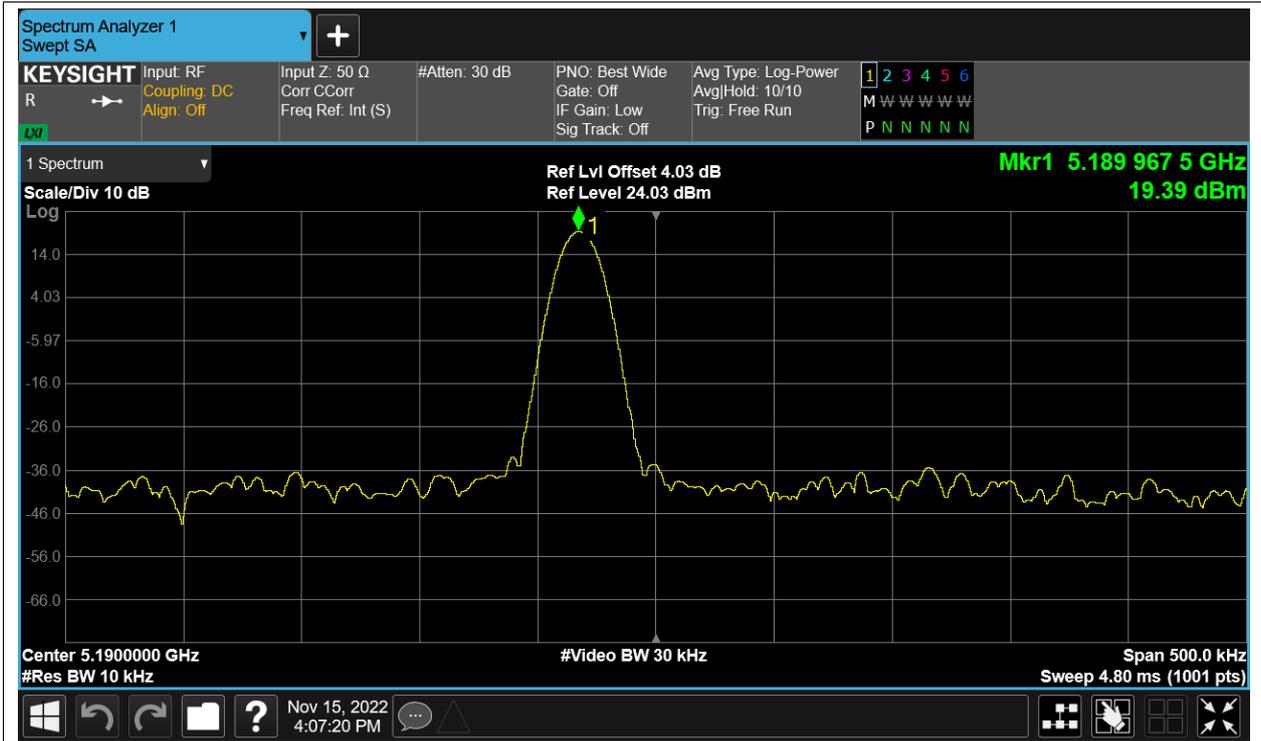
Freq. Stability HVNT n40 5190MHz Sum



Freq. Stability LVNT n40 5190MHz Sum



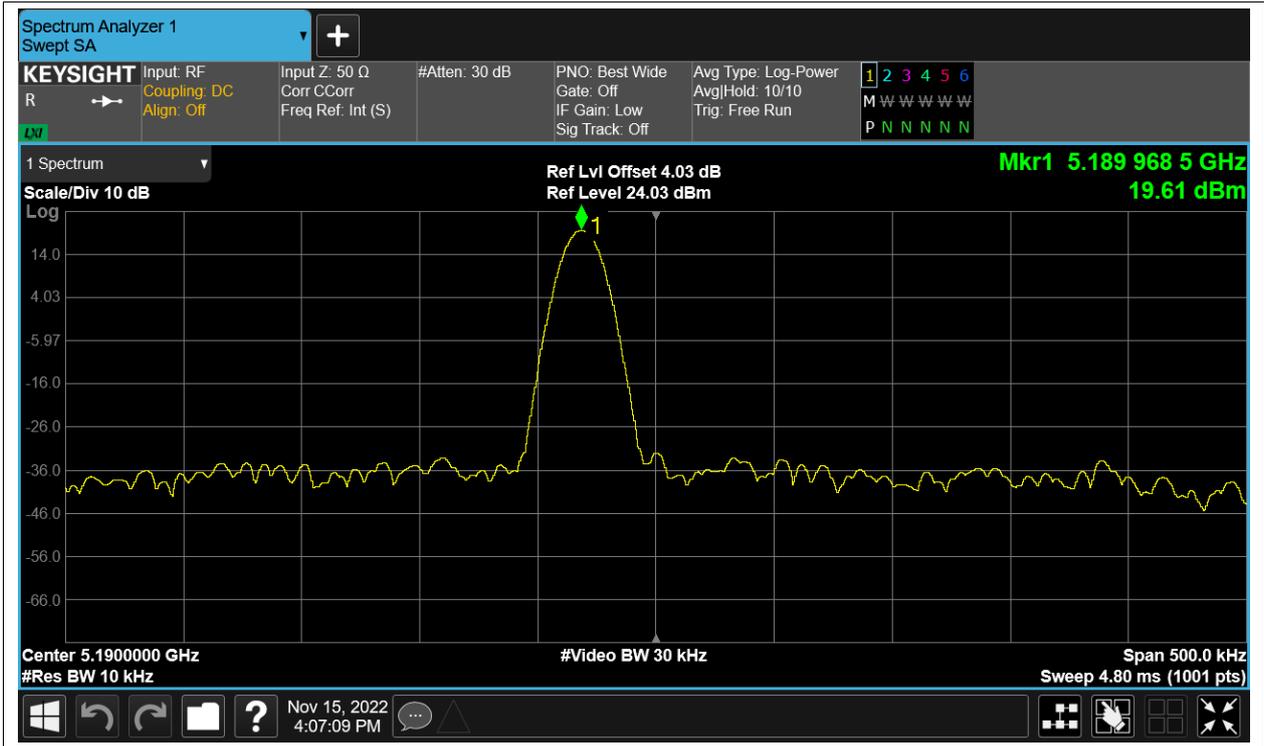
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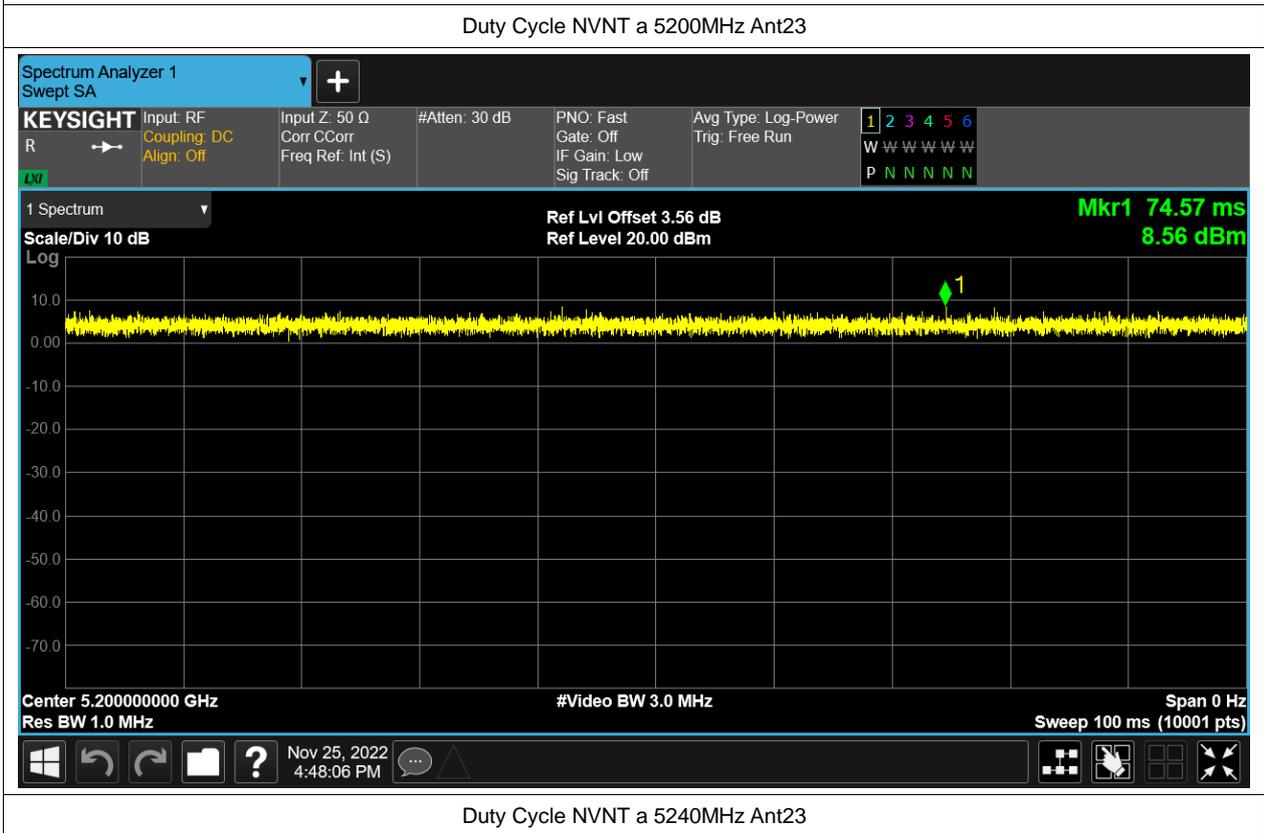
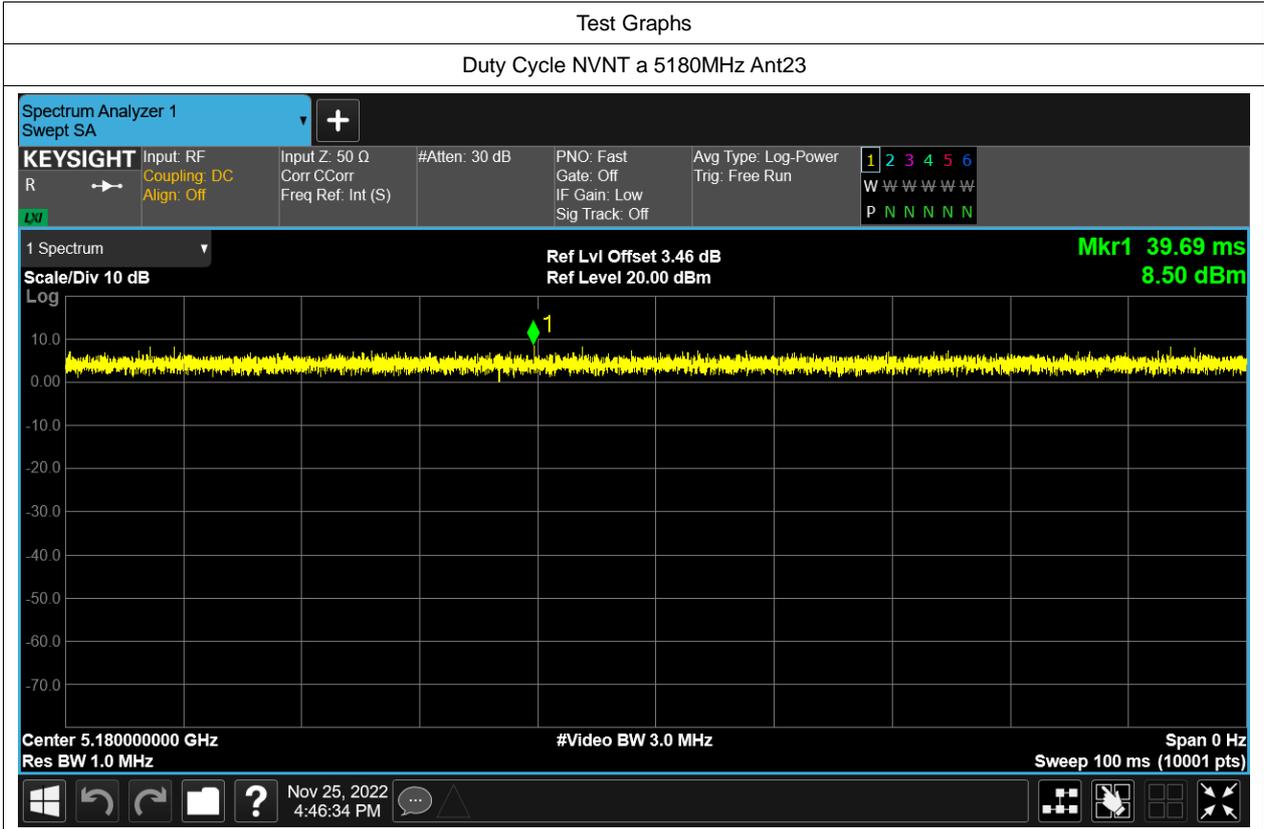


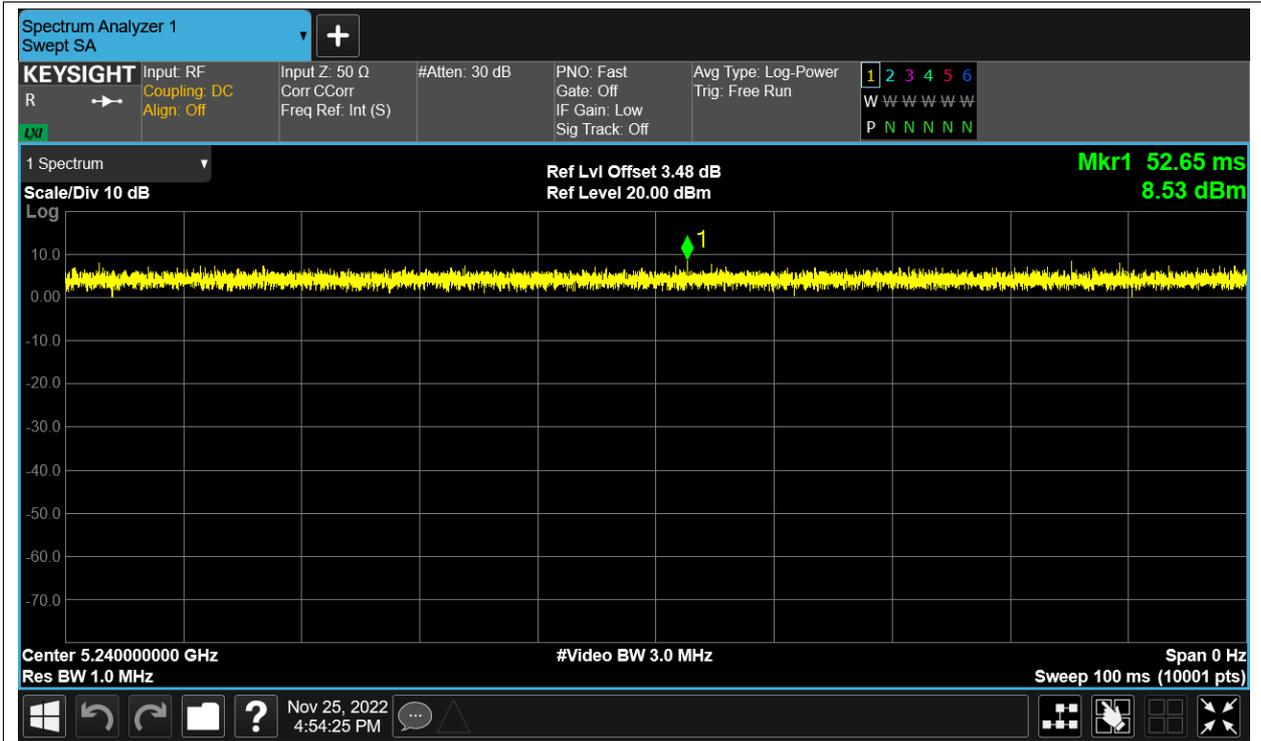
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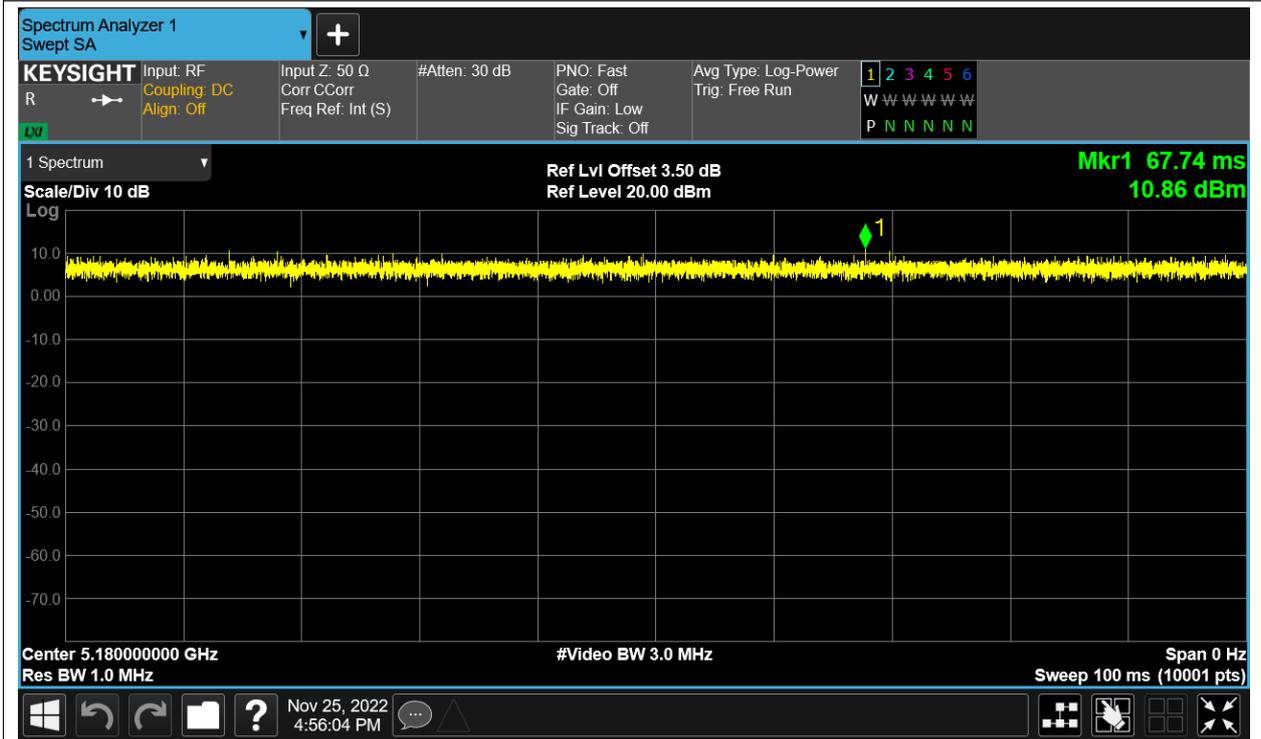
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant23	100	0
NVNT	a	5200	Ant23	100	0
NVNT	a	5240	Ant23	100	0
NVNT	a	5180	Ant24	100	0
NVNT	a	5200	Ant24	100	0
NVNT	a	5240	Ant24	100	0
NVNT	ac20	5180	Sum	100	0
NVNT	ac20	5200	Sum	100	0
NVNT	ac20	5240	Sum	100	0
NVNT	ac40	5190	Sum	100	0
NVNT	ac40	5230	Sum	100	0
NVNT	ac80	5210	Sum	100	0
NVNT	ax20	5180	Sum	100	0
NVNT	ax20	5200	Sum	100	0
NVNT	ax20	5240	Sum	100	0
NVNT	ax40	5190	Sum	100	0
NVNT	ax40	5230	Sum	100	0
NVNT	ax80	5210	Sum	100	0
NVNT	n20	5180	Sum	100	0
NVNT	n20	5200	Sum	100	0
NVNT	n20	5240	Sum	100	0
NVNT	n40	5190	Sum	100	0
NVNT	n40	5230	Sum	100	0

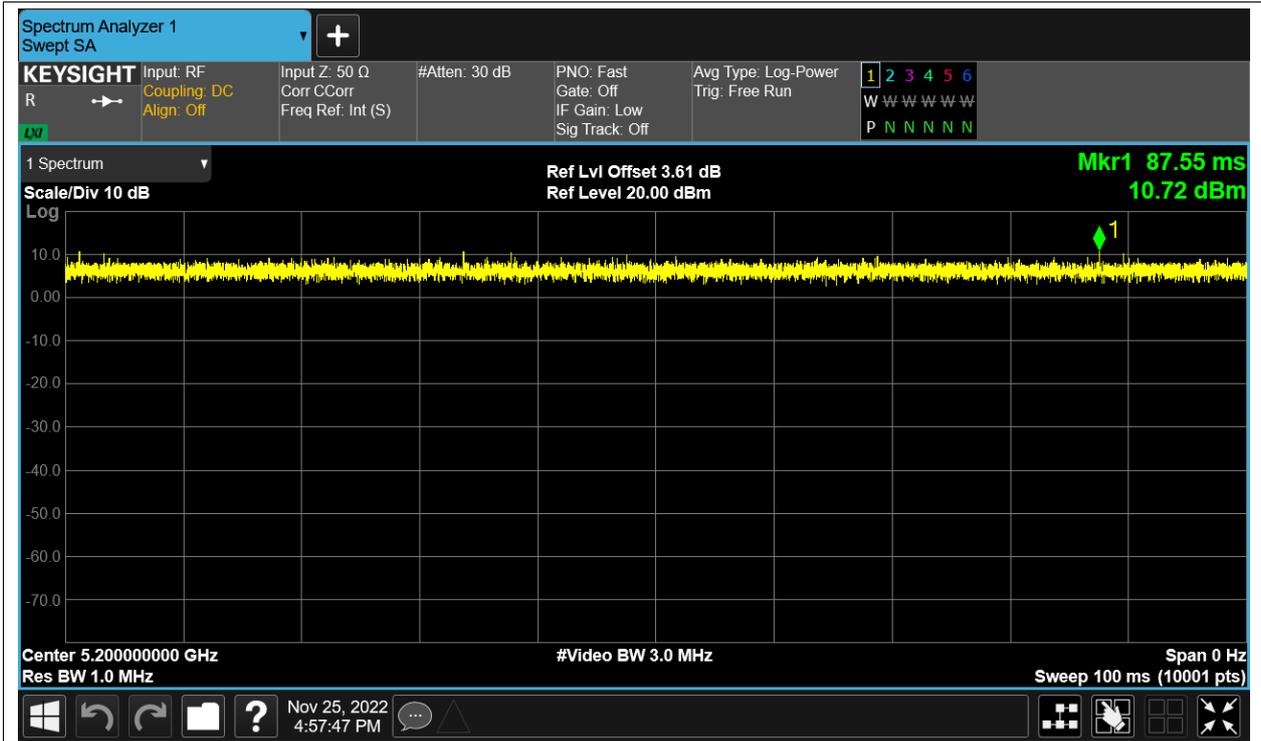




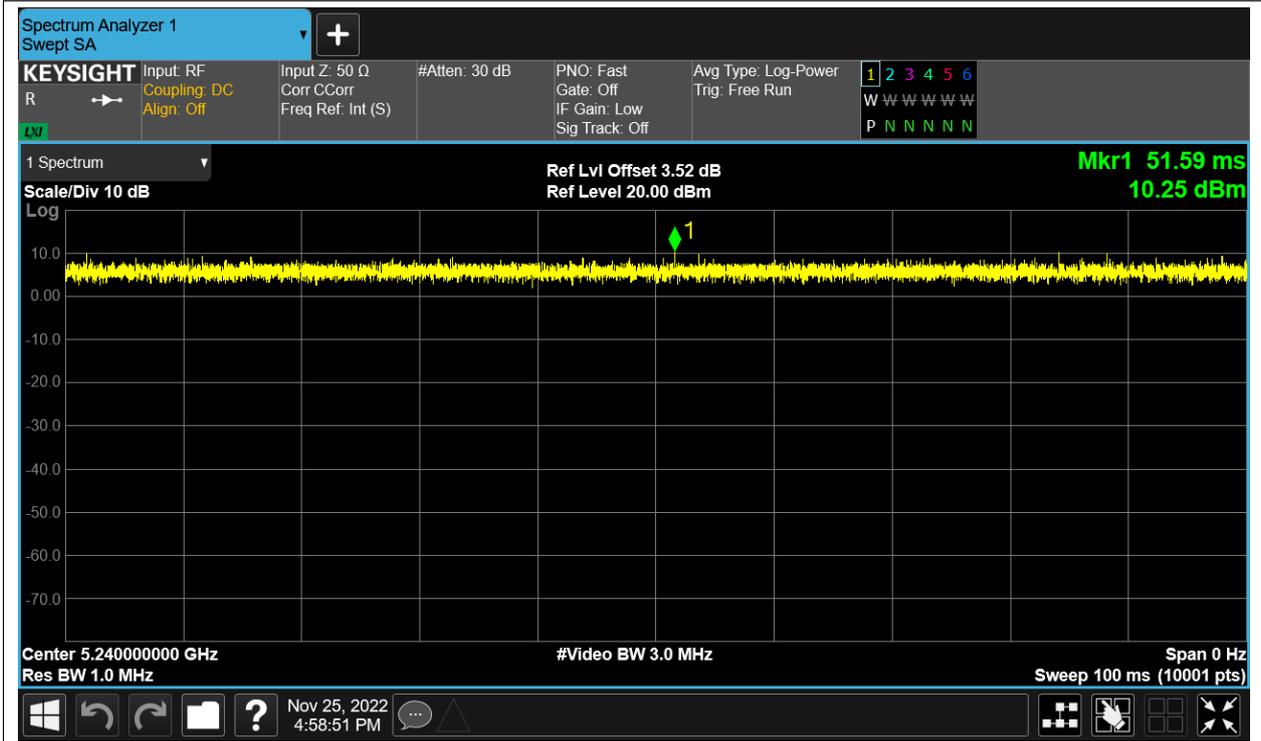
Duty Cycle NVNT a 5180MHz Ant24



Duty Cycle NVNT a 5200MHz Ant24



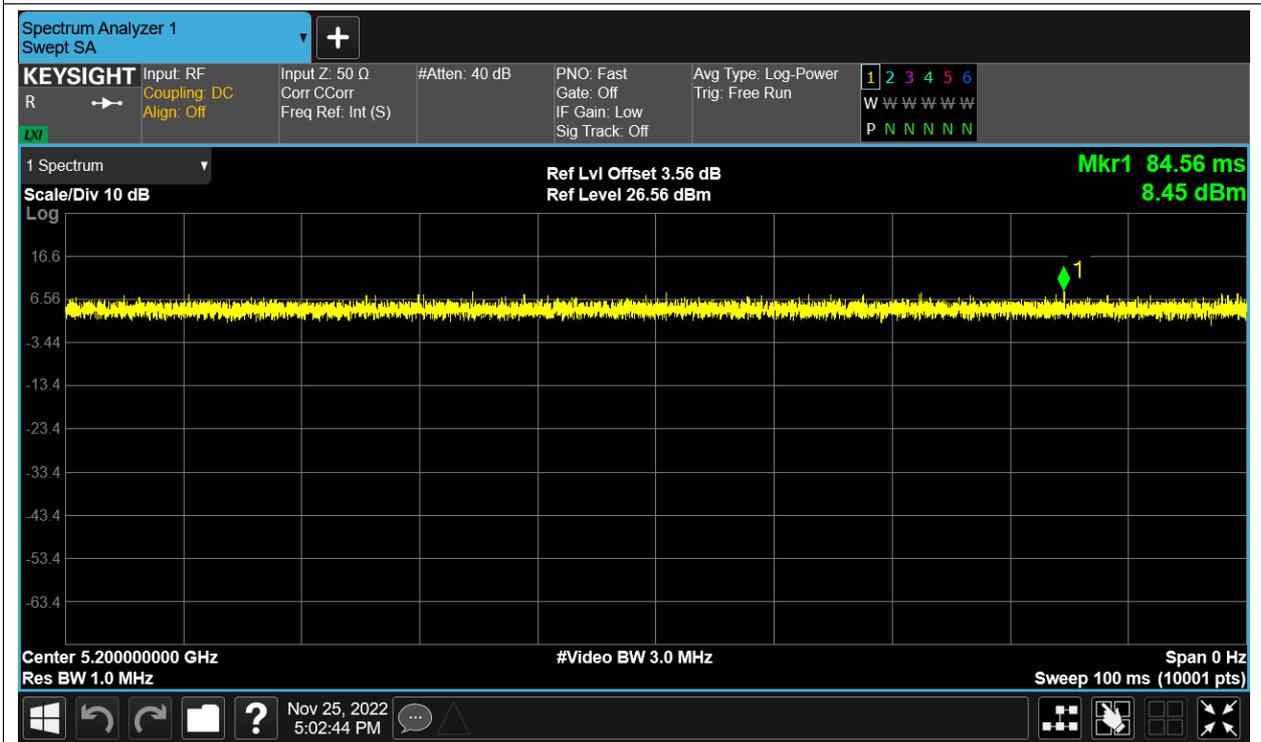
Duty Cycle NVNT a 5240MHz Ant24



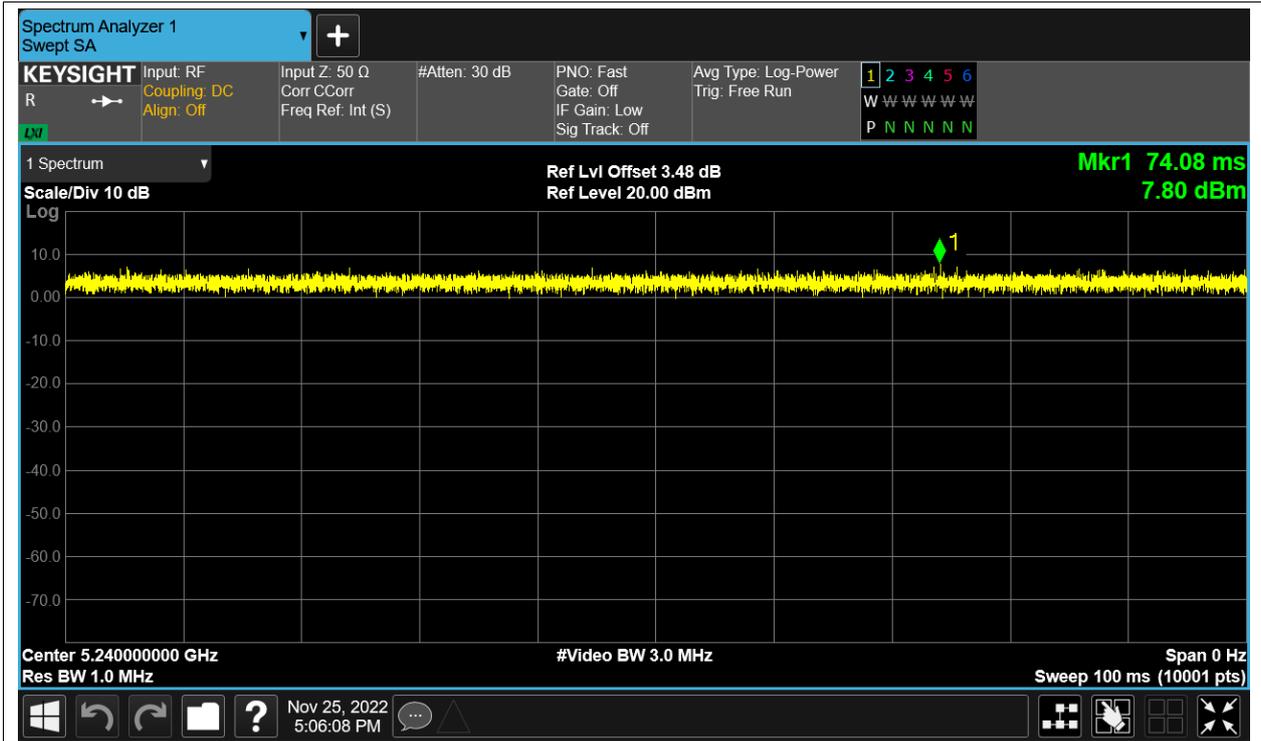
Duty Cycle NVNT ac20 5180MHz Sum



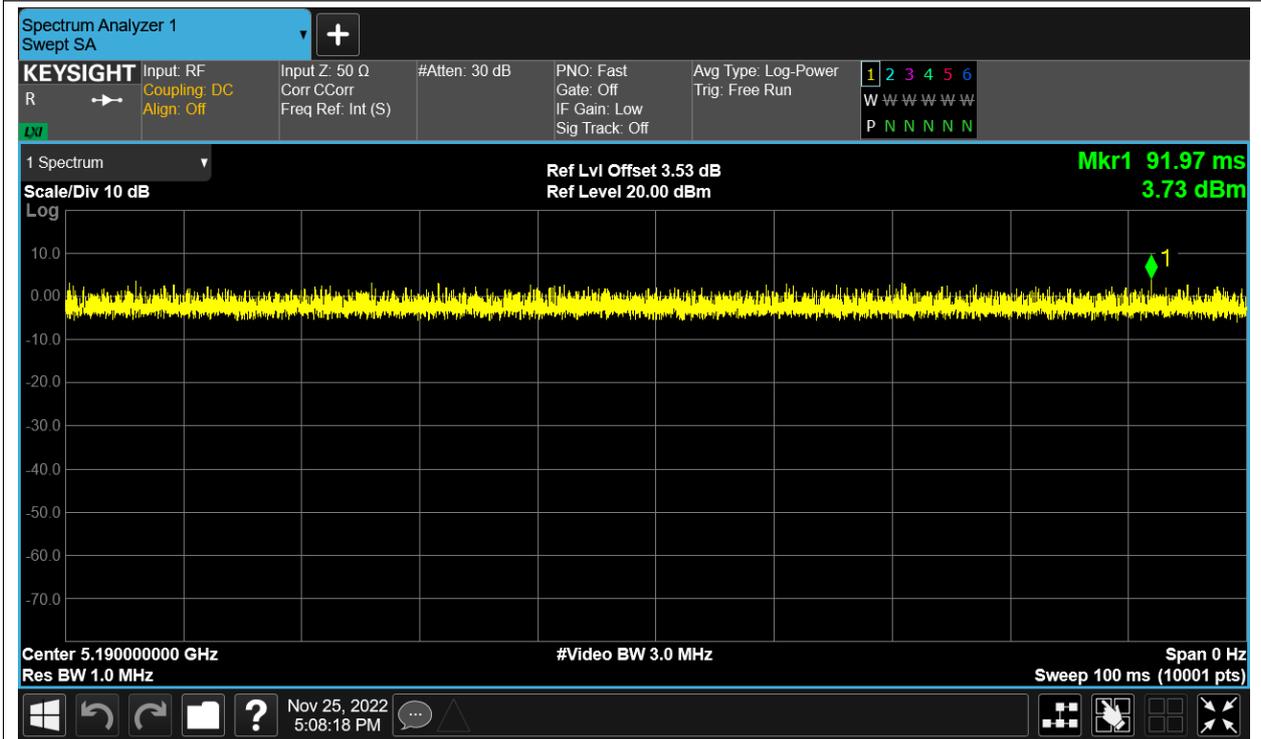
Duty Cycle NVNT ac20 5200MHz Sum



Duty Cycle NVNT ac20 5240MHz Sum



Duty Cycle NVNT ac40 5190MHz Sum



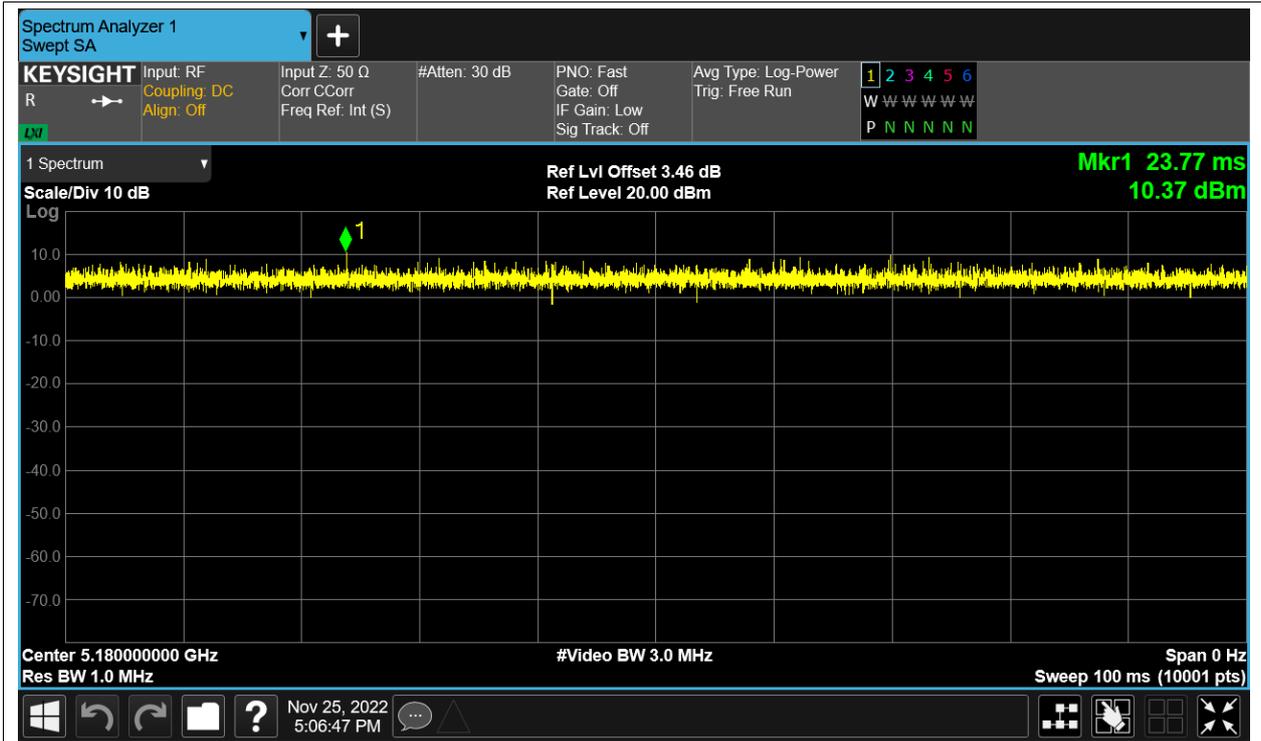
Duty Cycle NVNT ac40 5230MHz Sum



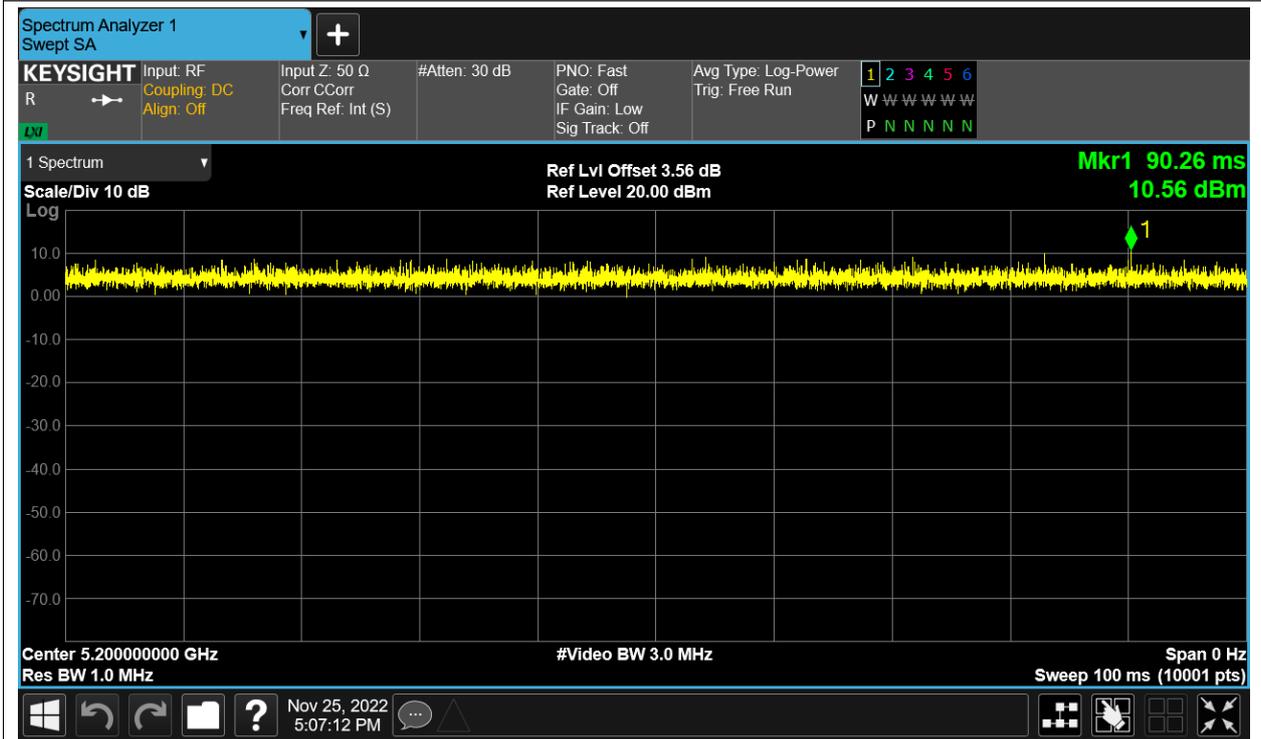
Duty Cycle NVNT ac80 5210MHz Sum



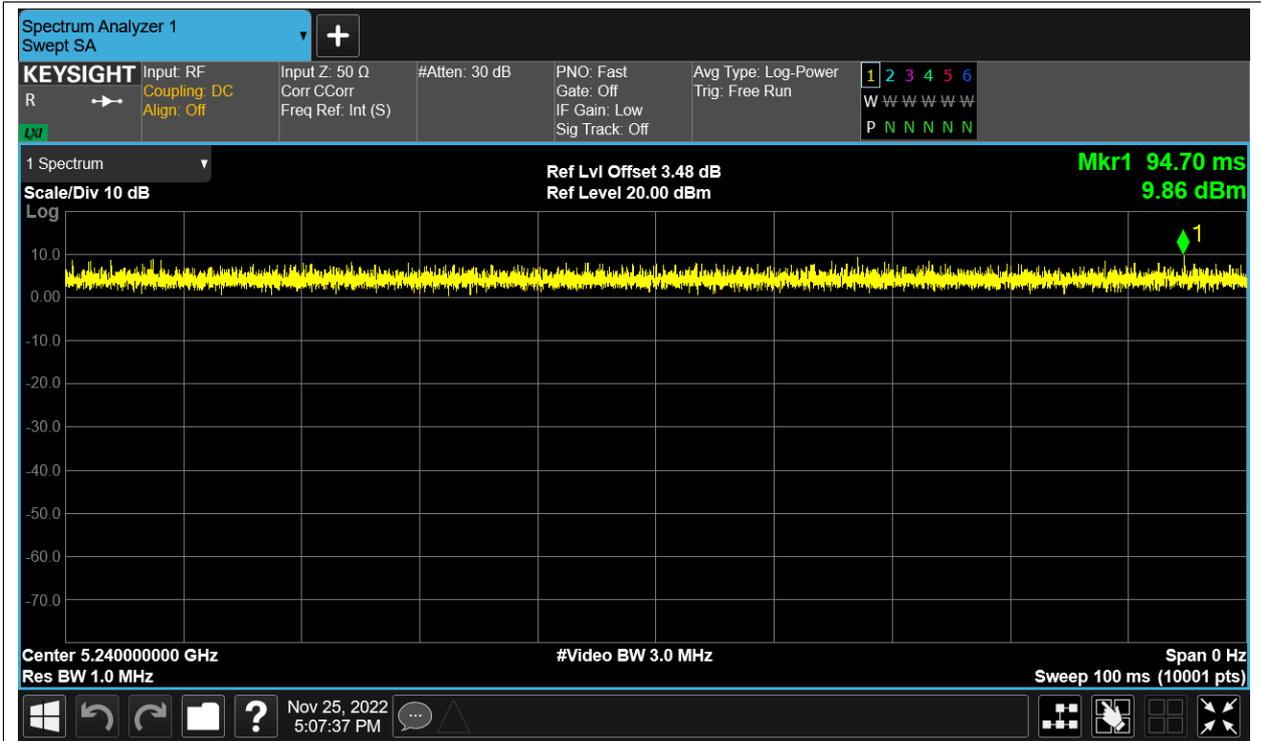
Duty Cycle NVNT ax20 5180MHz Sum



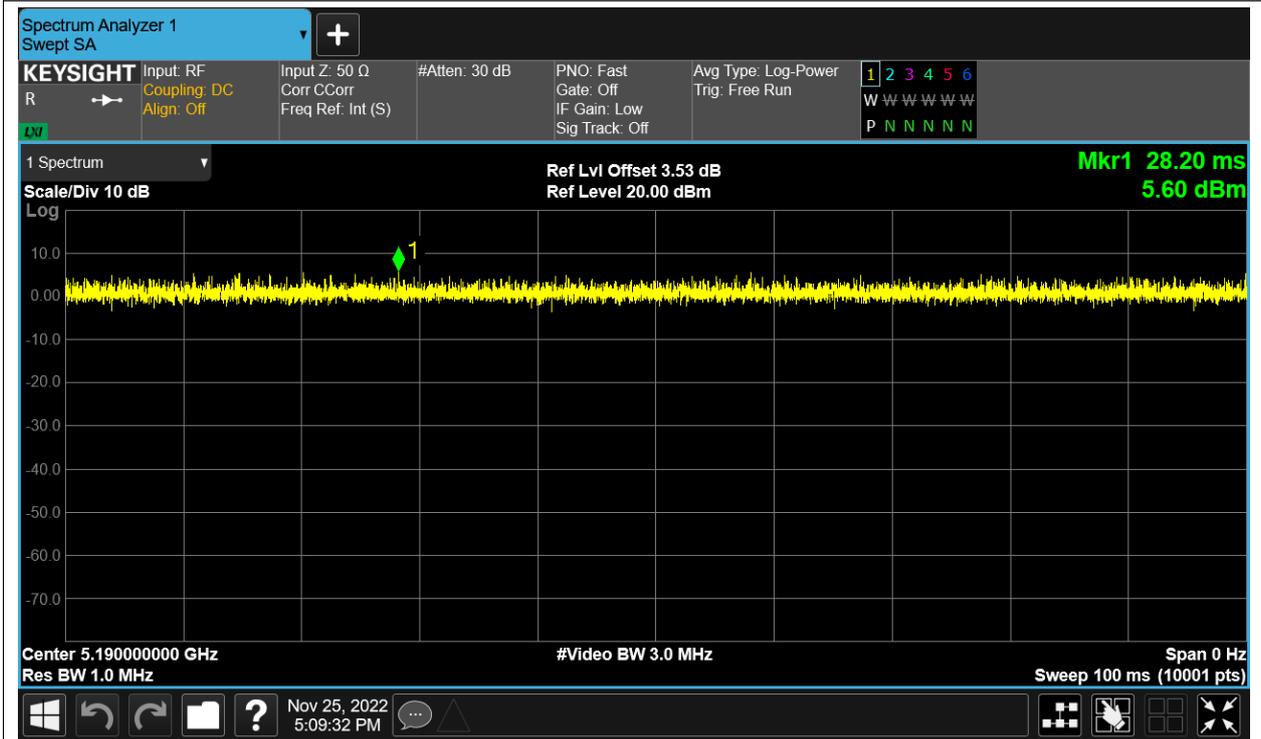
Duty Cycle NVNT ax20 5200MHz Sum



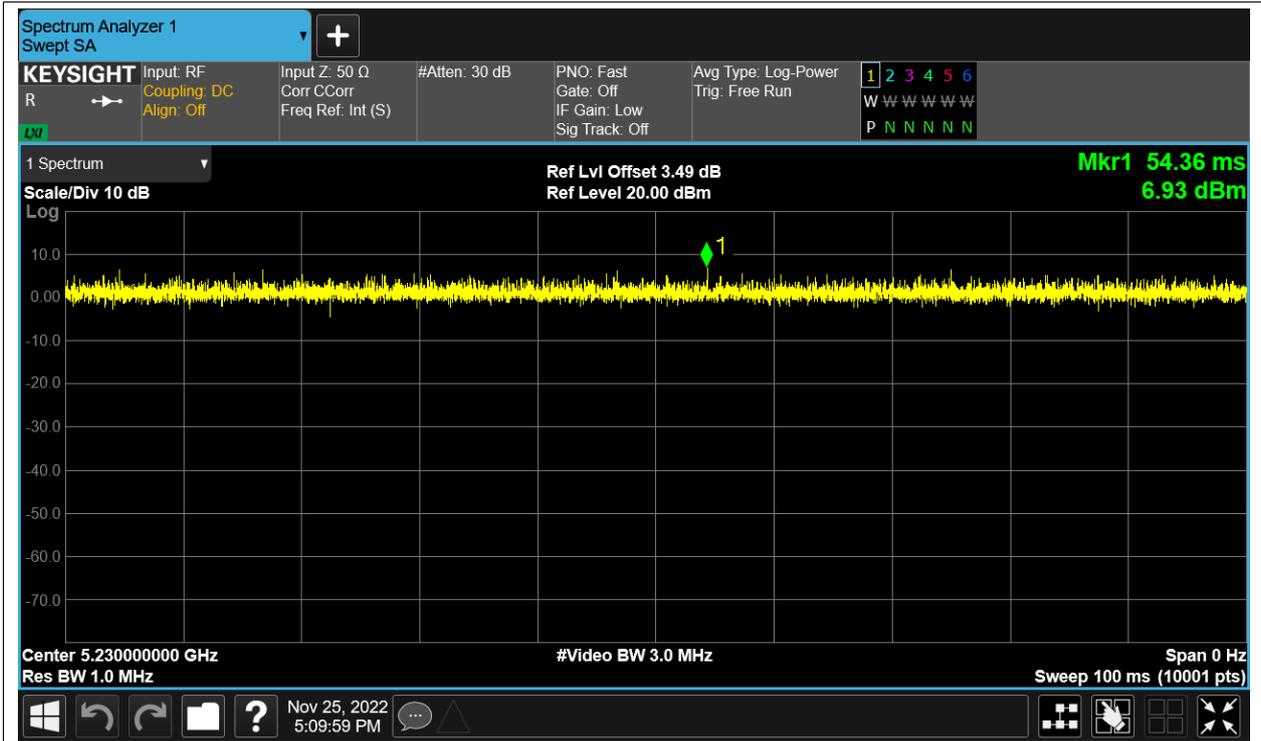
Duty Cycle NVNT ax20 5240MHz Sum



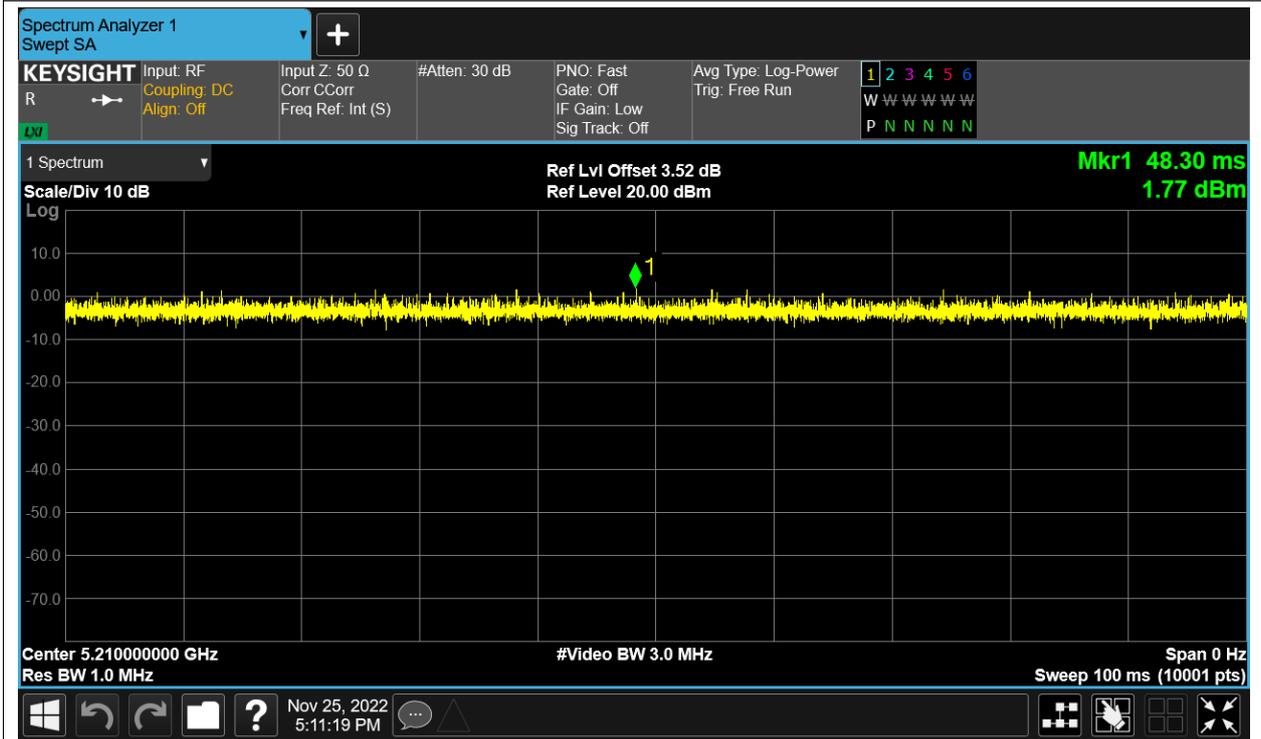
Duty Cycle NVNT ax40 5190MHz Sum



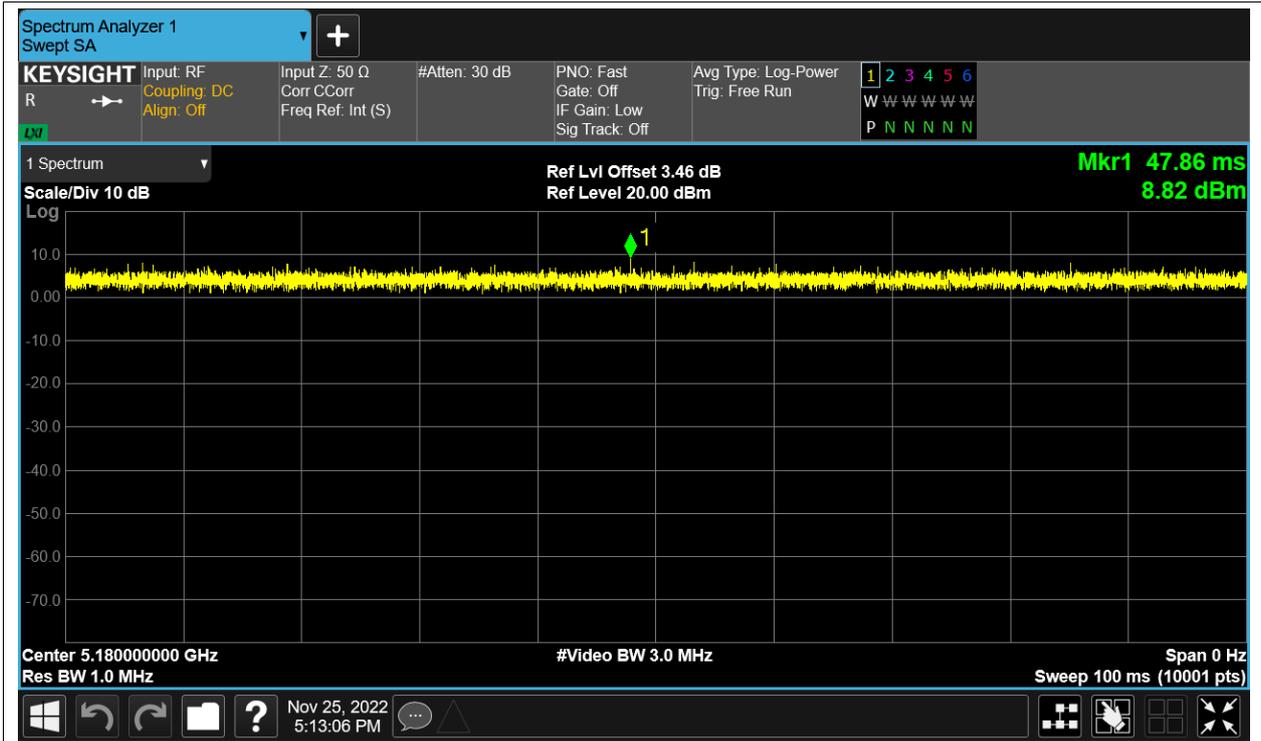
Duty Cycle NVNT ax40 5230MHz Sum



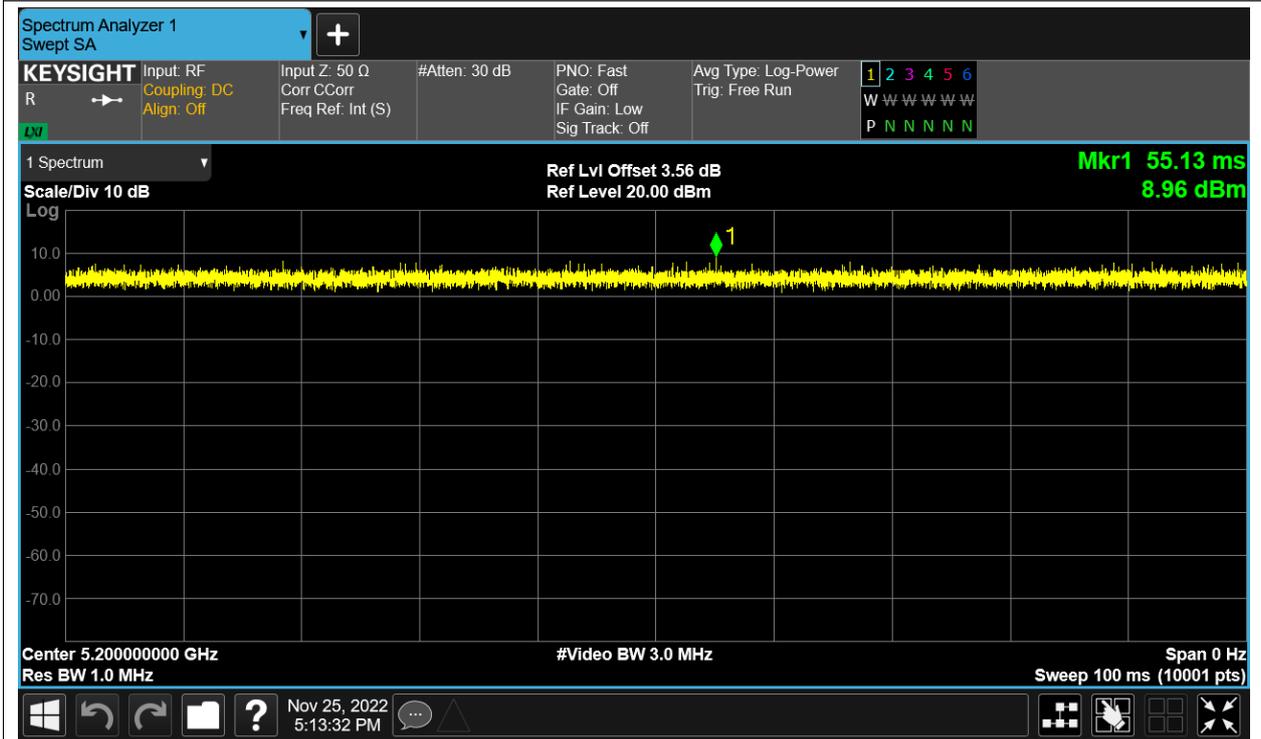
Duty Cycle NVNT ax80 5210MHz Sum



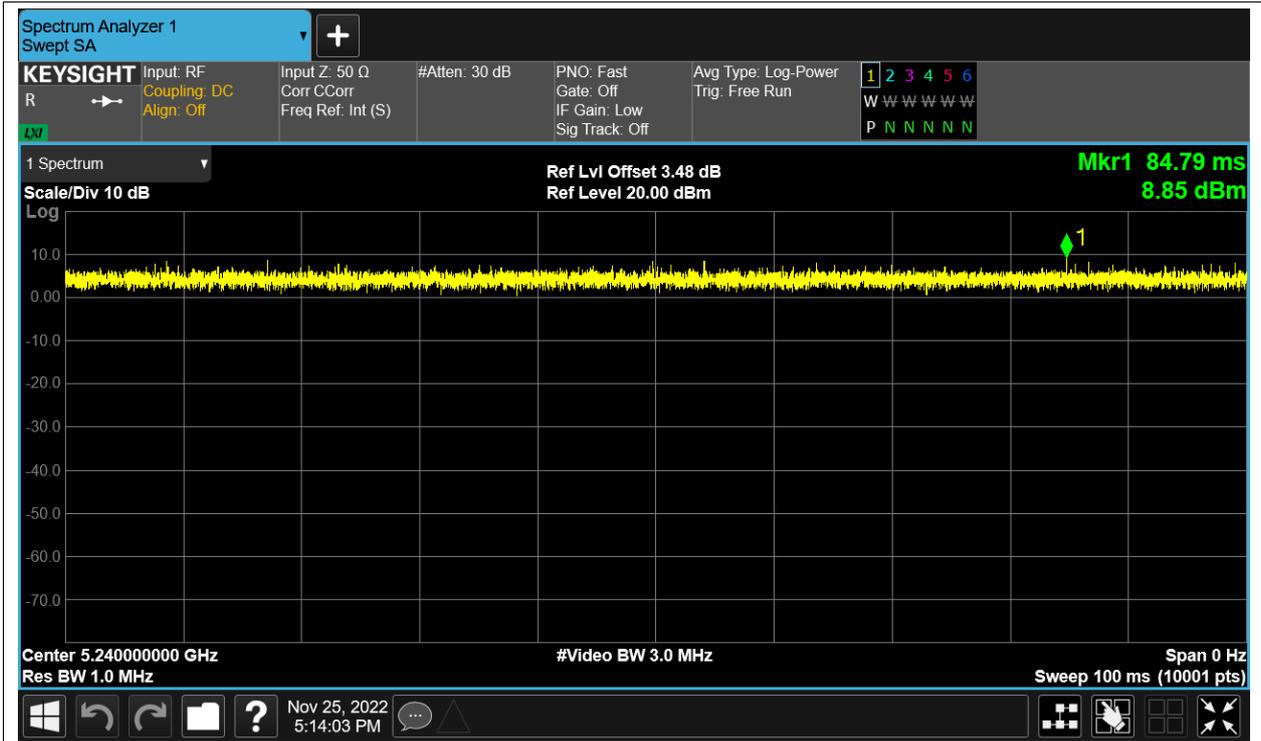
Duty Cycle NVNT n20 5180MHz Sum



Duty Cycle NVNT n20 5200MHz Sum



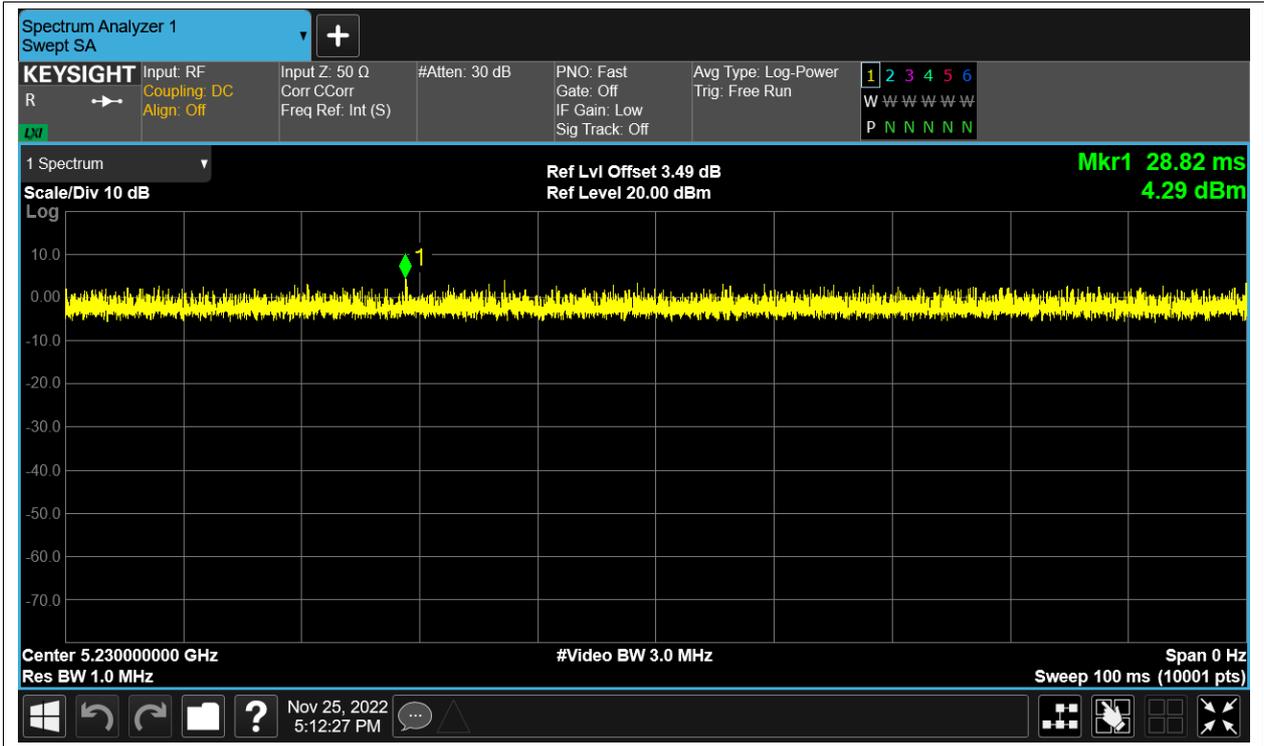
Duty Cycle NVNT n20 5240MHz Sum



Duty Cycle NVNT n40 5190MHz Sum



Duty Cycle NVNT n40 5230MHz Sum



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant23	11.75	0	11.75	24	Pass
NVNT	a	5200	Ant23	10.92	0	10.92	24	Pass
NVNT	a	5240	Ant23	11.42	0	11.42	24	Pass
NVNT	a	5180	Ant24	13.28	0	13.28	24	Pass
NVNT	a	5200	Ant24	12.84	0	12.84	24	Pass
NVNT	a	5240	Ant24	11.92	0	11.92	24	Pass
NVNT	ac20	5180	Ant23	11.09	0	11.09	24	Pass
NVNT	ac20	5180	Ant24	11.92	0	11.92	24	Pass
NVNT	ac20	5180	Sum	14.535	0	14.535	24	Pass
NVNT	ac20	5200	Ant23	11.2	0	11.2	24	Pass
NVNT	ac20	5200	Ant24	12.29	0	12.29	24	Pass
NVNT	ac20	5200	Sum	14.789	0	14.789	24	Pass
NVNT	ac20	5240	Ant23	11.01	0	11.01	24	Pass
NVNT	ac20	5240	Ant24	10.93	0	10.93	24	Pass
NVNT	ac20	5240	Sum	13.98	0	13.98	24	Pass
NVNT	ac40	5190	Ant23	10.97	0	10.97	24	Pass
NVNT	ac40	5190	Ant24	11.98	0	11.98	24	Pass
NVNT	ac40	5190	Sum	14.515	0	14.515	24	Pass
NVNT	ac40	5230	Ant23	11.71	0	11.71	24	Pass
NVNT	ac40	5230	Ant24	11.94	0	11.94	24	Pass
NVNT	ac40	5230	Sum	14.837	0	14.837	24	Pass
NVNT	ac80	5210	Ant23	10.74	0	10.74	24	Pass
NVNT	ac80	5210	Ant24	11.26	0	11.26	24	Pass
NVNT	ac80	5210	Sum	14.018	0	14.018	24	Pass
NVNT	ax20	5180	Ant23	11.37	0	11.37	24	Pass
NVNT	ax20	5180	Ant24	12.27	0	12.27	24	Pass
NVNT	ax20	5180	Sum	14.854	0	14.854	24	Pass
NVNT	ax20	5200	Ant23	10.91	0	10.91	24	Pass
NVNT	ax20	5200	Ant24	11.84	0	11.84	24	Pass
NVNT	ax20	5200	Sum	14.41	0	14.41	24	Pass
NVNT	ax20	5240	Ant23	11.46	0	11.46	24	Pass
NVNT	ax20	5240	Ant24	11.67	0	11.67	24	Pass
NVNT	ax20	5240	Sum	14.577	0	14.577	24	Pass
NVNT	ax40	5190	Ant23	10.75	0	10.75	24	Pass
NVNT	ax40	5190	Ant24	11.56	0	11.56	24	Pass
NVNT	ax40	5190	Sum	14.184	0	14.184	24	Pass
NVNT	ax40	5230	Ant23	11.24	0	11.24	24	Pass
NVNT	ax40	5230	Ant24	11.34	0	11.34	24	Pass
NVNT	ax40	5230	Sum	14.301	0	14.301	24	Pass
NVNT	ax80	5210	Ant23	10.94	0	10.94	24	Pass

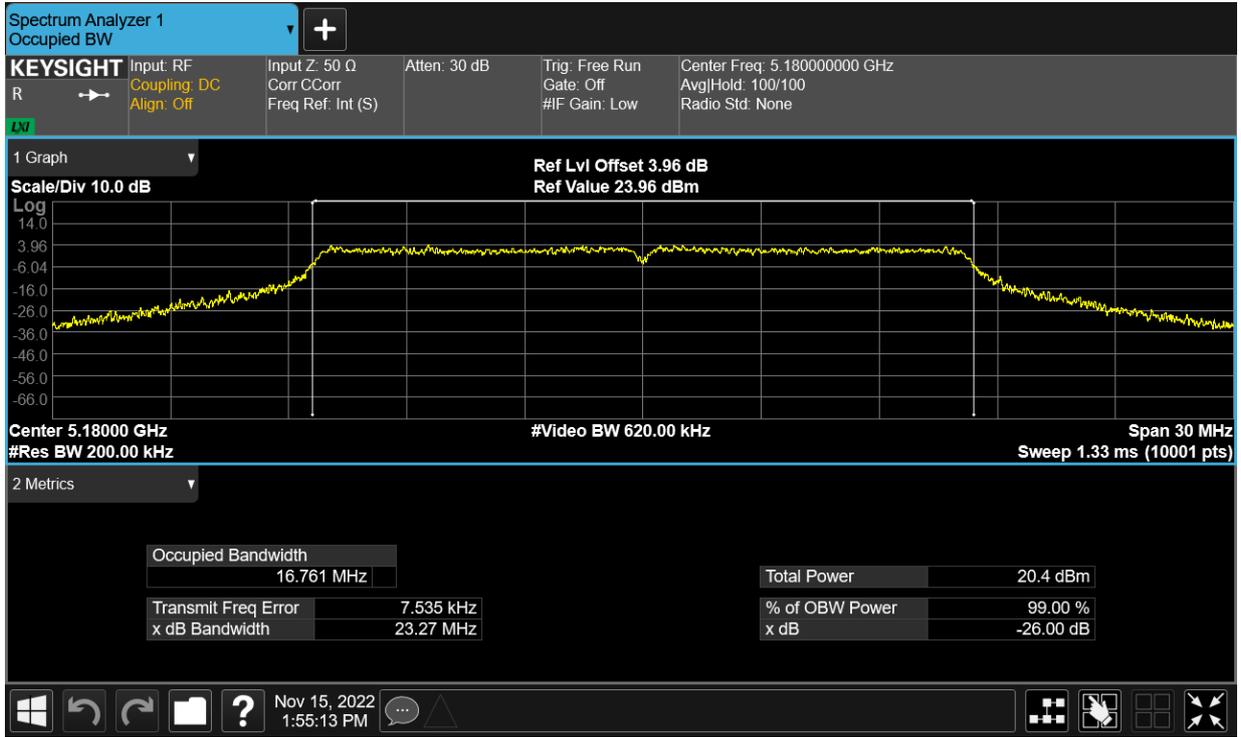
NVNT	ax80	5210	Ant24	11.36	0	11.36	24	Pass
NVNT	ax80	5210	Sum	14.165	0	14.165	24	Pass
NVNT	n20	5180	Ant23	11.5	0	11.5	24	Pass
NVNT	n20	5180	Ant24	12.4	0	12.4	24	Pass
NVNT	n20	5180	Sum	14.984	0	14.984	24	Pass
NVNT	n20	5200	Ant23	11.2	0	11.2	24	Pass
NVNT	n20	5200	Ant24	12.32	0	12.32	24	Pass
NVNT	n20	5200	Sum	14.806	0	14.806	24	Pass
NVNT	n20	5240	Ant23	11.76	0	11.76	24	Pass
NVNT	n20	5240	Ant24	11.81	0	11.81	24	Pass
NVNT	n20	5240	Sum	14.795	0	14.795	24	Pass
NVNT	n40	5190	Ant23	10.91	0	10.91	24	Pass
NVNT	n40	5190	Ant24	11.74	0	11.74	24	Pass
NVNT	n40	5190	Sum	14.355	0	14.355	24	Pass
NVNT	n40	5230	Ant23	11.33	0	11.33	24	Pass
NVNT	n40	5230	Ant24	11.62	0	11.62	24	Pass
NVNT	n40	5230	Sum	14.488	0	14.488	24	Pass

Occupied Channel Bandwidth

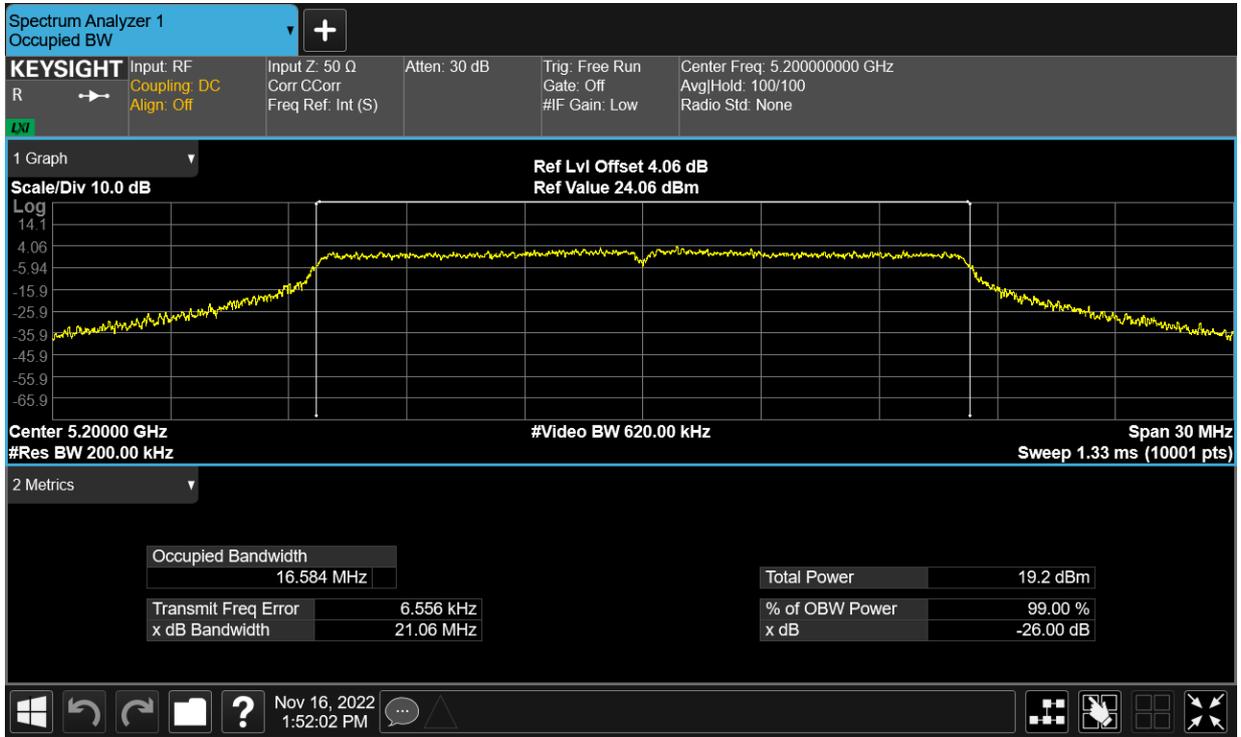
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant23	16.761
NVNT	a	5200	Ant23	16.584
NVNT	a	5240	Ant23	16.592
NVNT	a	5180	Ant24	16.621
NVNT	a	5200	Ant24	16.582
NVNT	a	5240	Ant24	16.588
NVNT	ac20	5180	Ant23	17.948
NVNT	ac20	5180	Ant24	17.88
NVNT	ac20	5200	Ant23	17.884
NVNT	ac20	5200	Ant24	17.752
NVNT	ac20	5240	Ant23	17.807
NVNT	ac20	5240	Ant24	17.754
NVNT	ac40	5190	Ant23	36.06
NVNT	ac40	5190	Ant24	36.031
NVNT	ac40	5230	Ant23	36.072
NVNT	ac40	5230	Ant24	36.032
NVNT	ac80	5210	Ant23	75.655
NVNT	ac80	5210	Ant24	75.486
NVNT	ax20	5180	Ant23	19.035
NVNT	ax20	5180	Ant24	18.992
NVNT	ax20	5200	Ant23	19.031
NVNT	ax20	5200	Ant24	19.031
NVNT	ax20	5240	Ant23	18.987
NVNT	ax20	5240	Ant24	19.001
NVNT	ax40	5190	Ant23	37.535
NVNT	ax40	5190	Ant24	37.569
NVNT	ax40	5230	Ant23	37.581
NVNT	ax40	5230	Ant24	37.57
NVNT	ax80	5210	Ant23	77.395
NVNT	ax80	5210	Ant24	77.214
NVNT	n20	5180	Ant23	17.811
NVNT	n20	5180	Ant24	17.766
NVNT	n20	5200	Ant23	17.789
NVNT	n20	5200	Ant24	17.775
NVNT	n20	5240	Ant23	17.826
NVNT	n20	5240	Ant24	17.769
NVNT	n40	5190	Ant23	36.114
NVNT	n40	5190	Ant24	35.972
NVNT	n40	5230	Ant23	36.121
NVNT	n40	5230	Ant24	36.022

Test Graphs

OBW NVNT a 5180MHz Ant23



OBW NVNT a 5200MHz Ant23



OBW NVNT a 5240MHz Ant23