

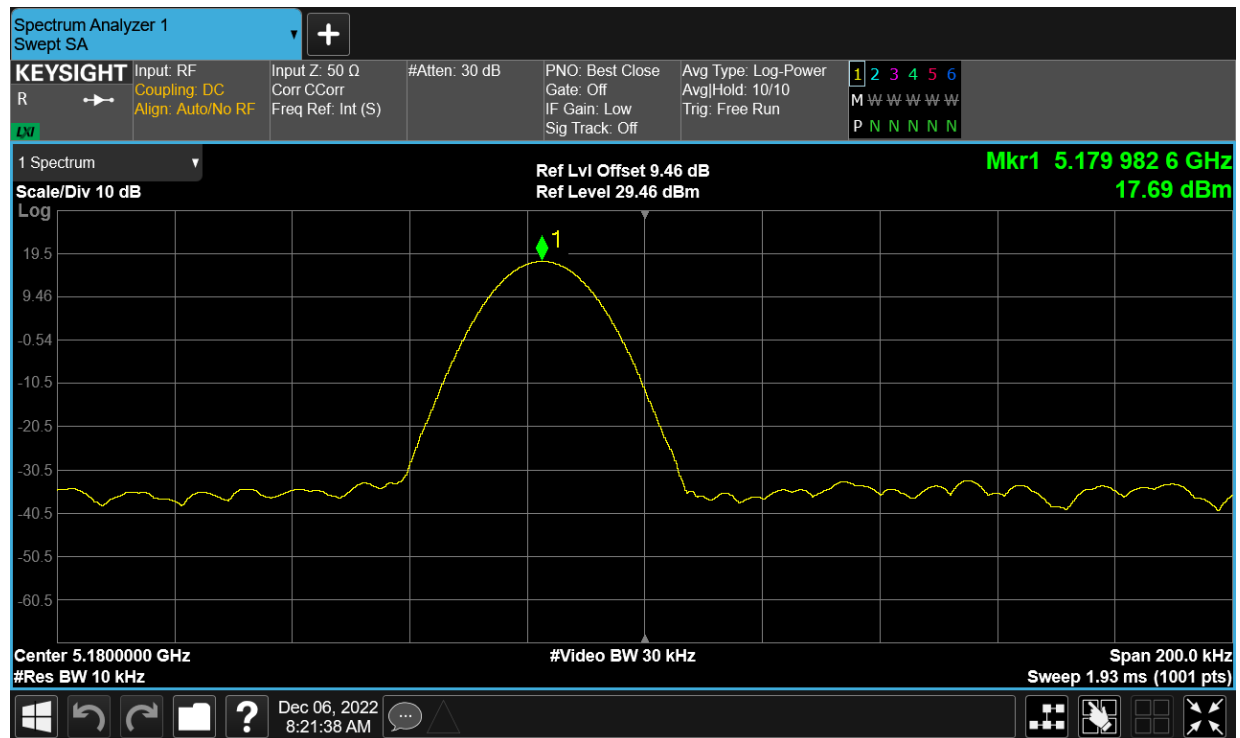
Test Data

Frequency Stability

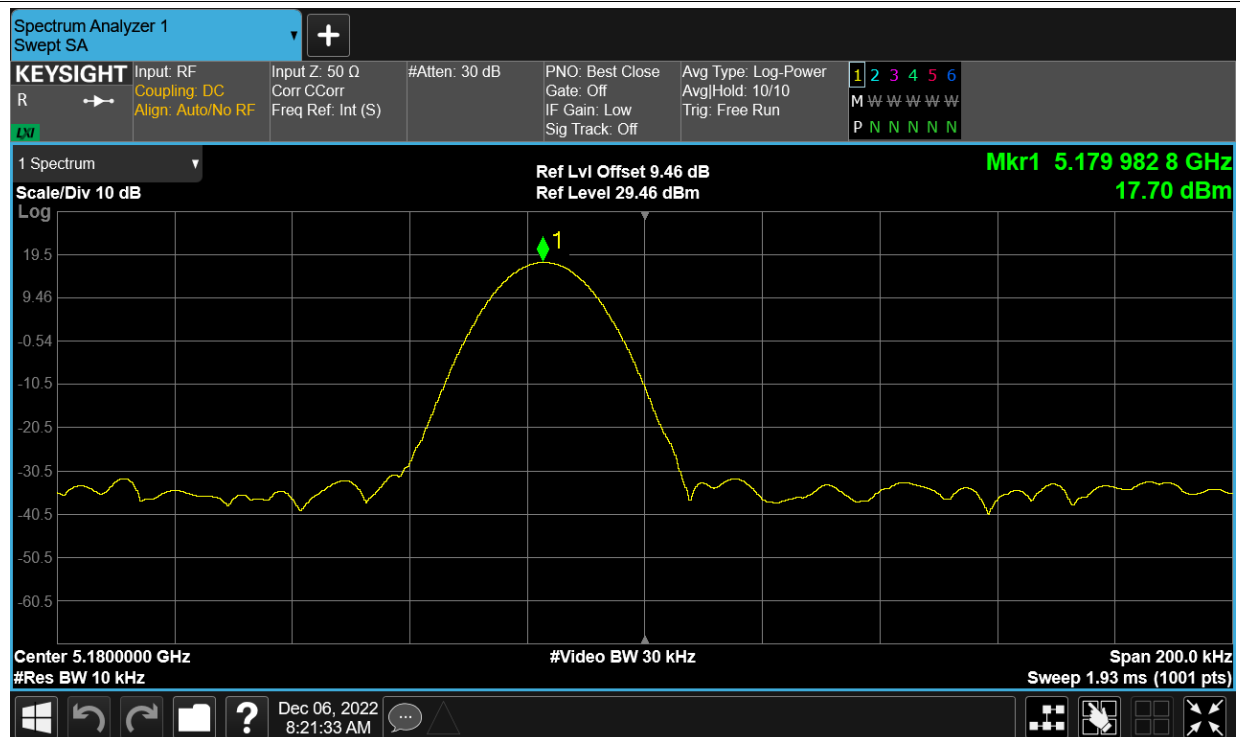
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9826	-3.36	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9828	-3.32		Pass
NVHT	a	5180	Ant1	5179.983	-3.28		Pass
NVLT	a	5180	Ant1	5179.9834	-3.2		Pass
NVNT	a	5180	Ant1	5179.984	-3.09		Pass
HVNT	ac80	5210	Ant1	5209.9804	-3.76		Pass
LVNT	ac80	5210	Ant1	5209.9808	-3.69		Pass
NVHT	ac80	5210	Ant1	5209.9812	-3.61		Pass
NVLT	ac80	5210	Ant1	5209.9818	-3.49		Pass
NVNT	ac80	5210	Ant1	5209.982552343	-3.35		Pass
HVNT	n40	5190	Ant1	5189.9792	-4.01		Pass
LVNT	n40	5190	Ant1	5189.9796	-3.93		Pass
NVHT	n40	5190	Ant1	5189.98	-3.85		Pass
NVLT	n40	5190	Ant1	5189.9804	-3.78		Pass
NVNT	n40	5190	Ant1	5189.9812	-3.62		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

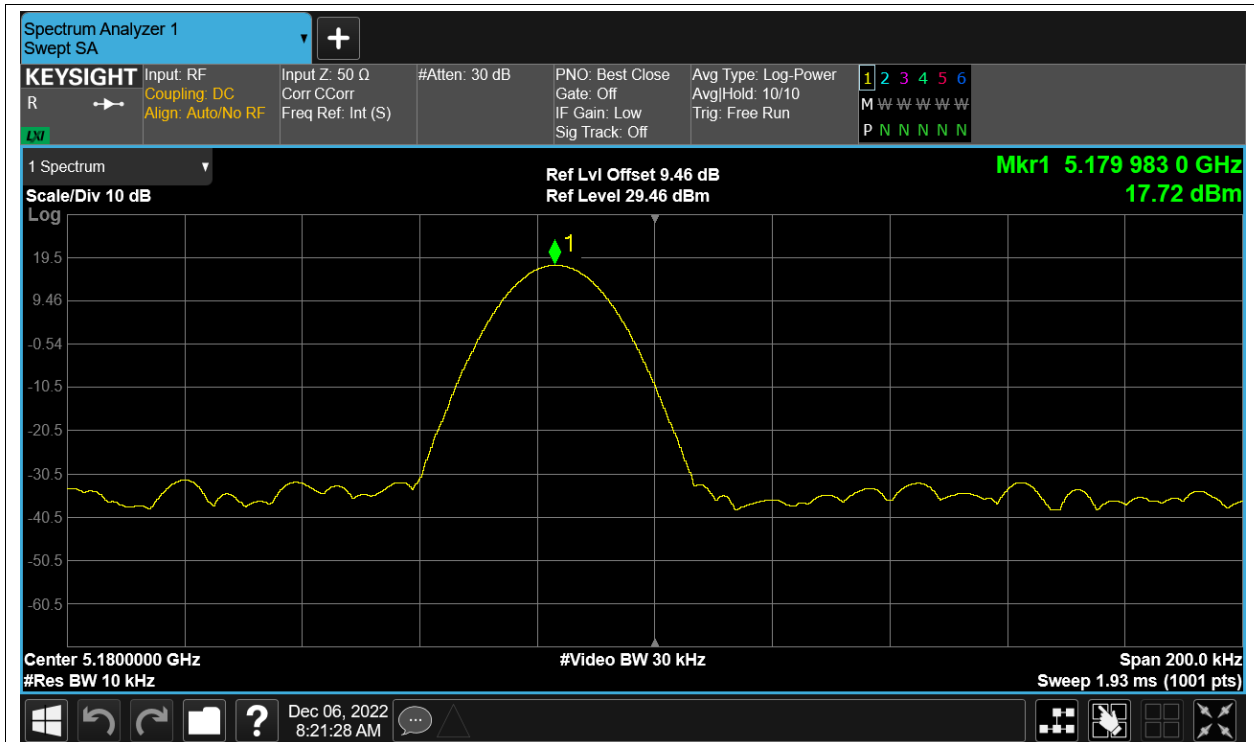
Freq. Stability HVNT a 5180MHz Ant1



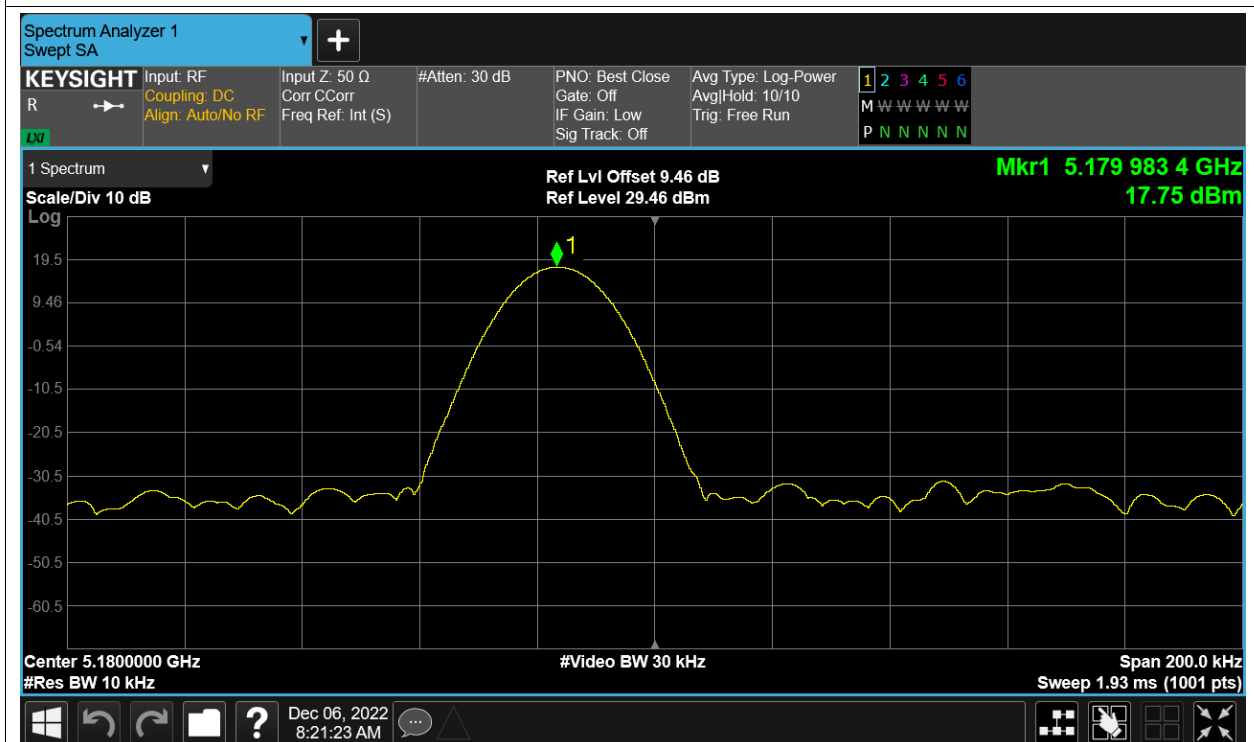
Freq. Stability LVNT a 5180MHz Ant1



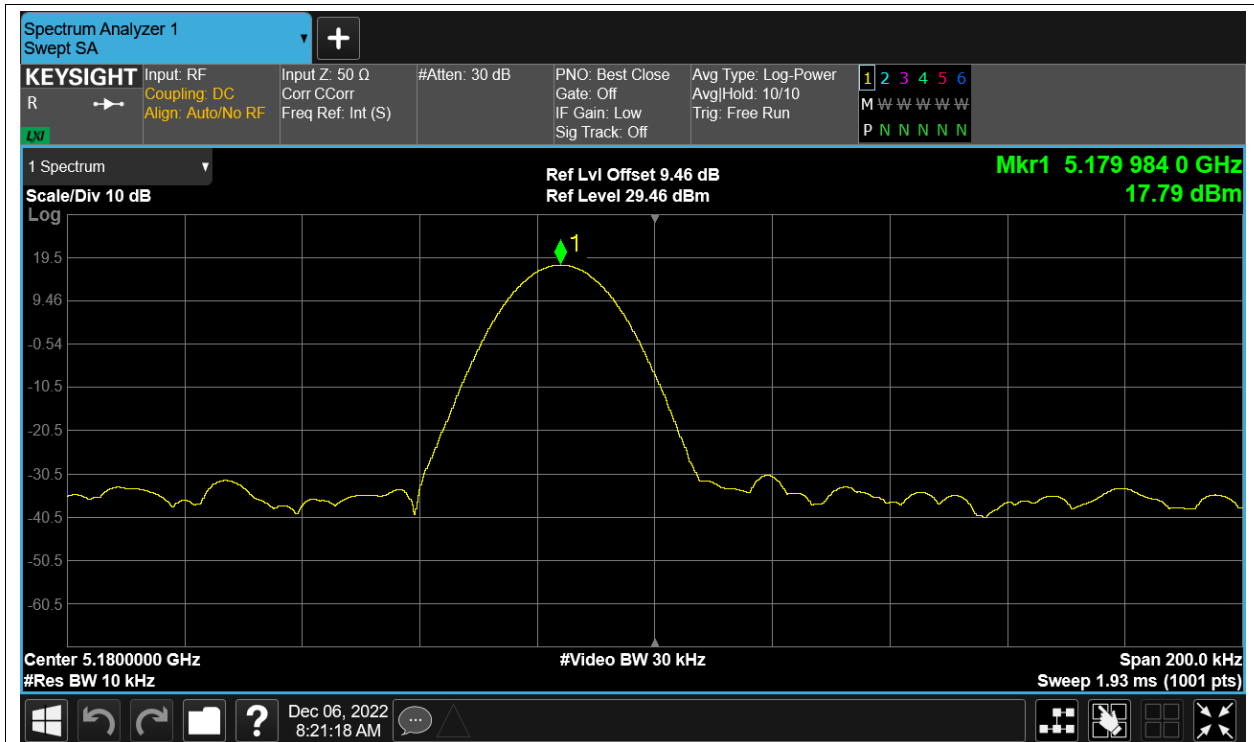
Freq. Stability NVHT a 5180MHz Ant1



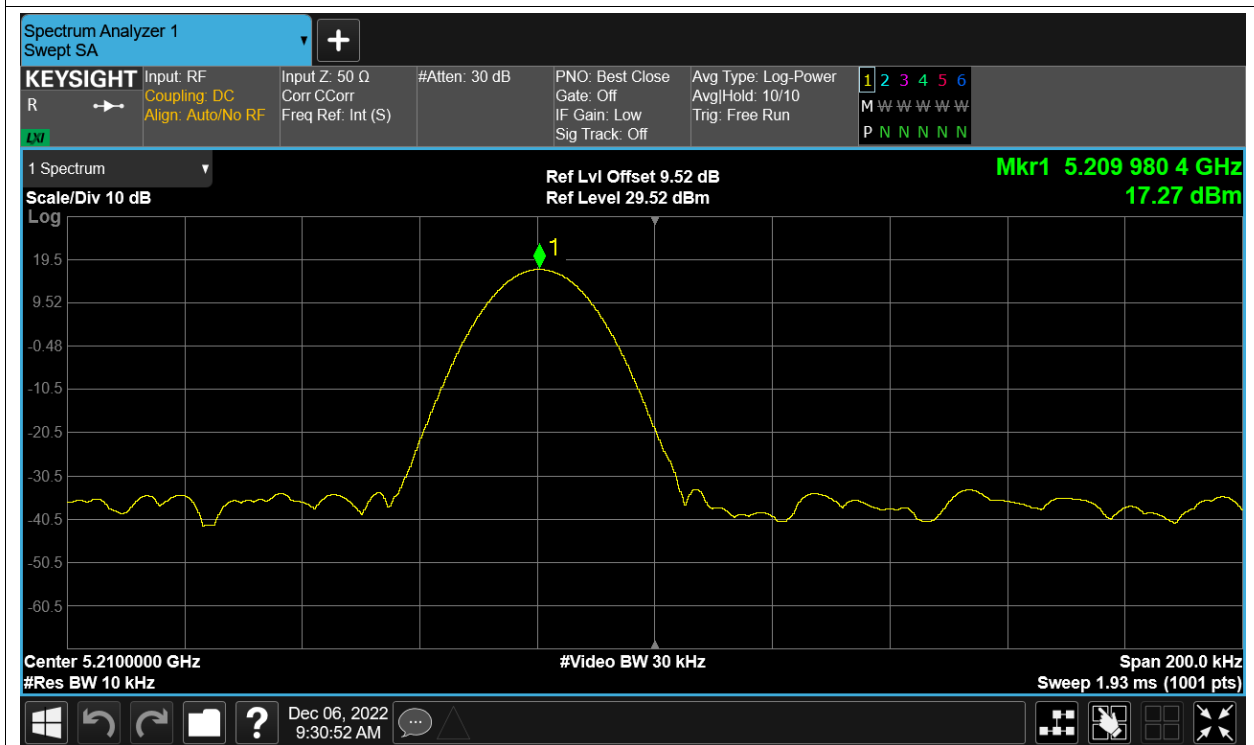
Freq. Stability NVLT a 5180MHz Ant1



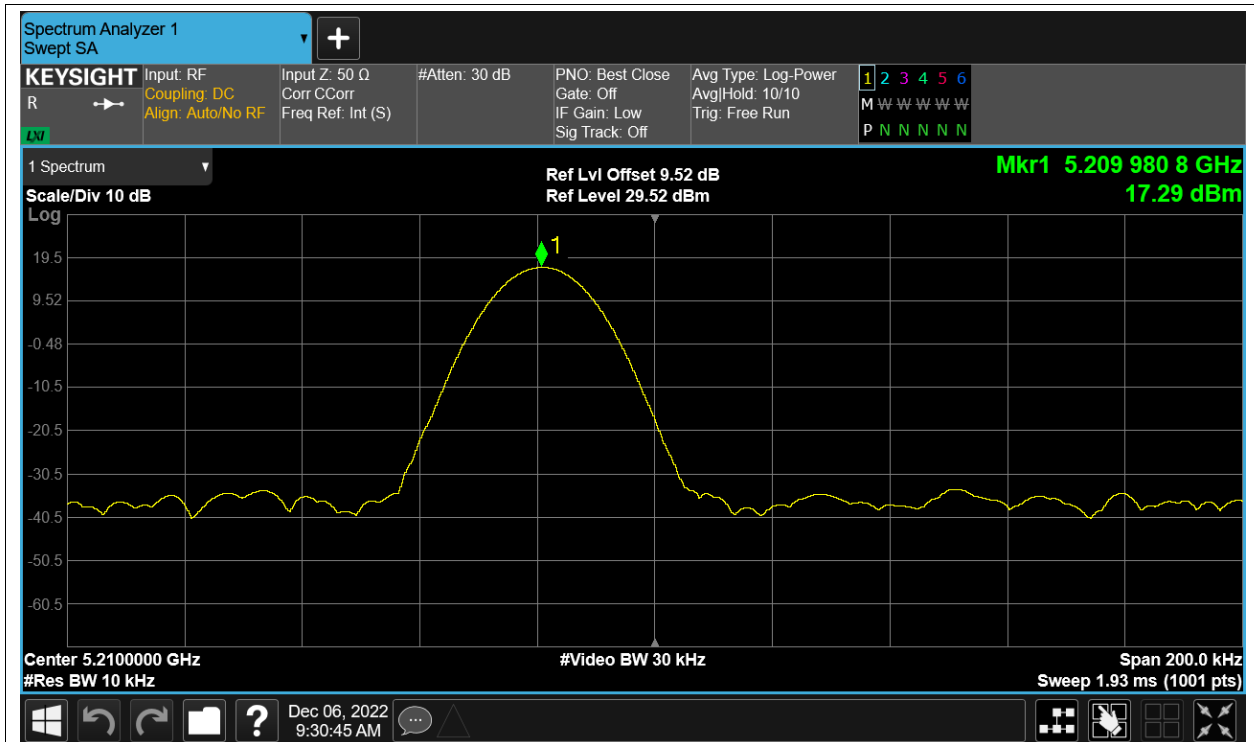
Freq. Stability NVNT a 5180MHz Ant1



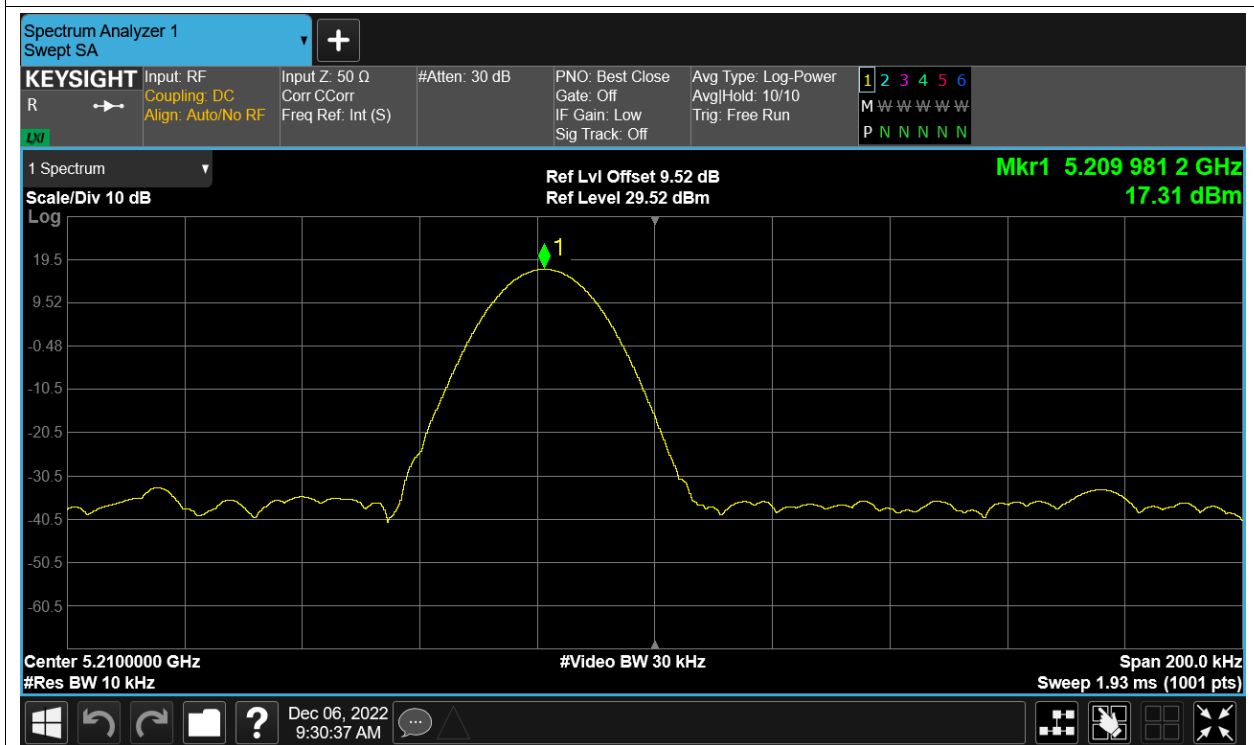
Freq. Stability HVNT ac80 5210MHz Ant1



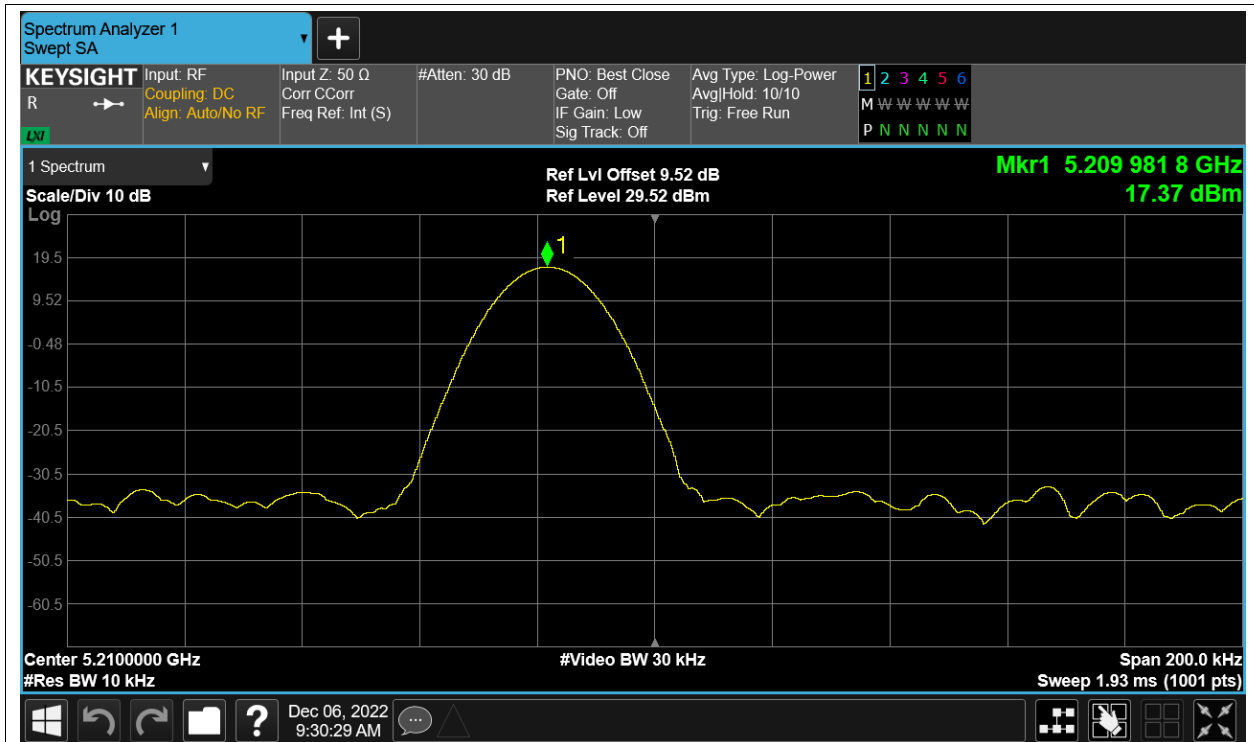
Freq. Stability LVNT ac80 5210MHz Ant1



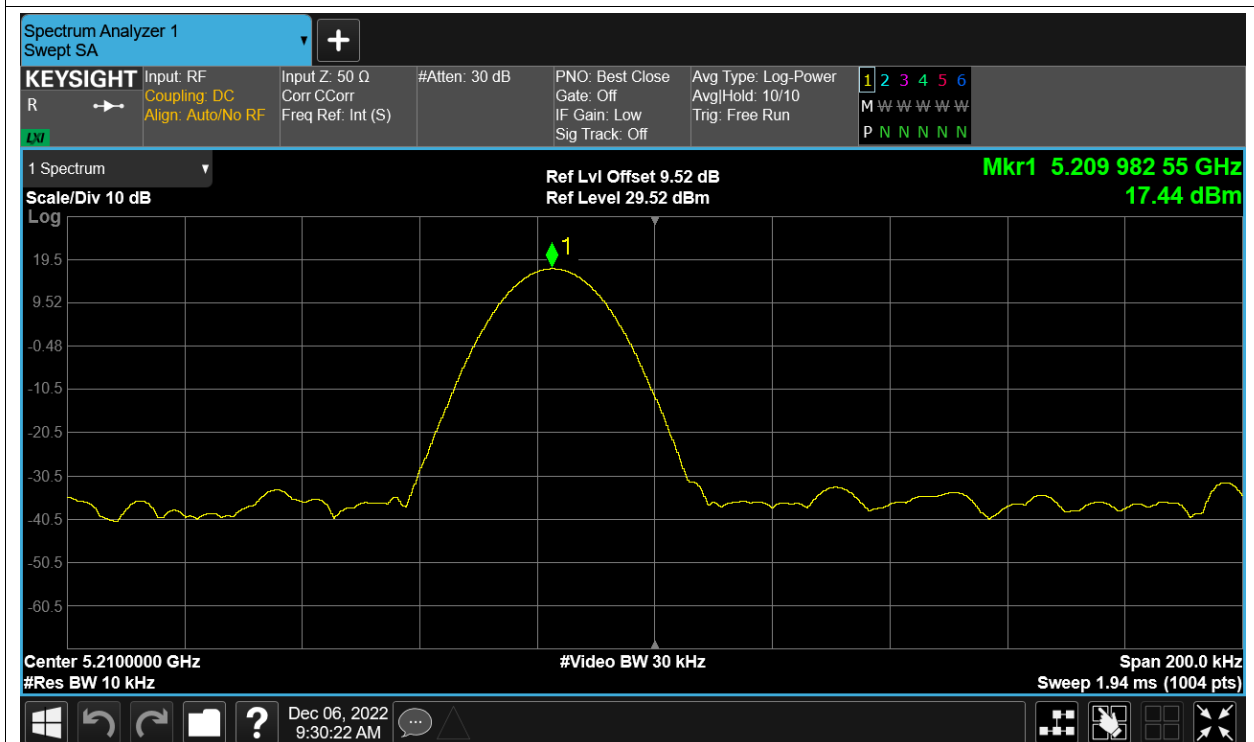
Freq. Stability NVHT ac80 5210MHz Ant1



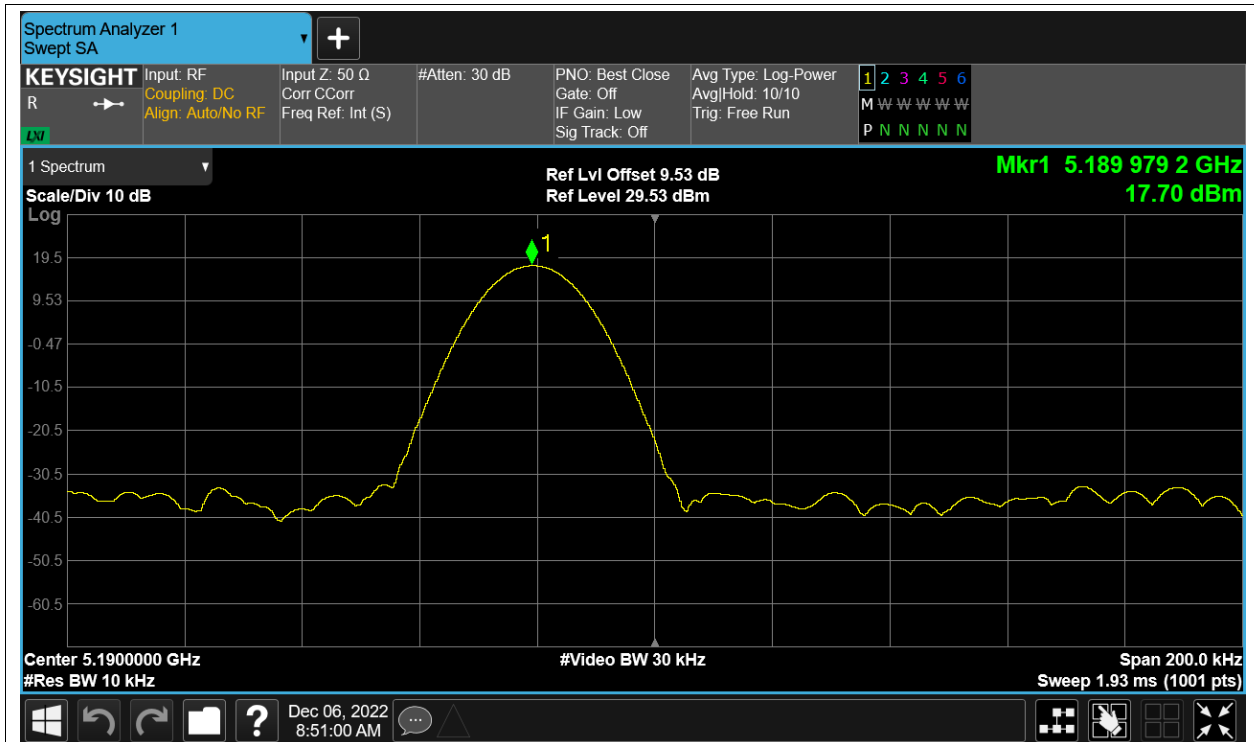
Freq. Stability NVLT ac80 5210MHz Ant1



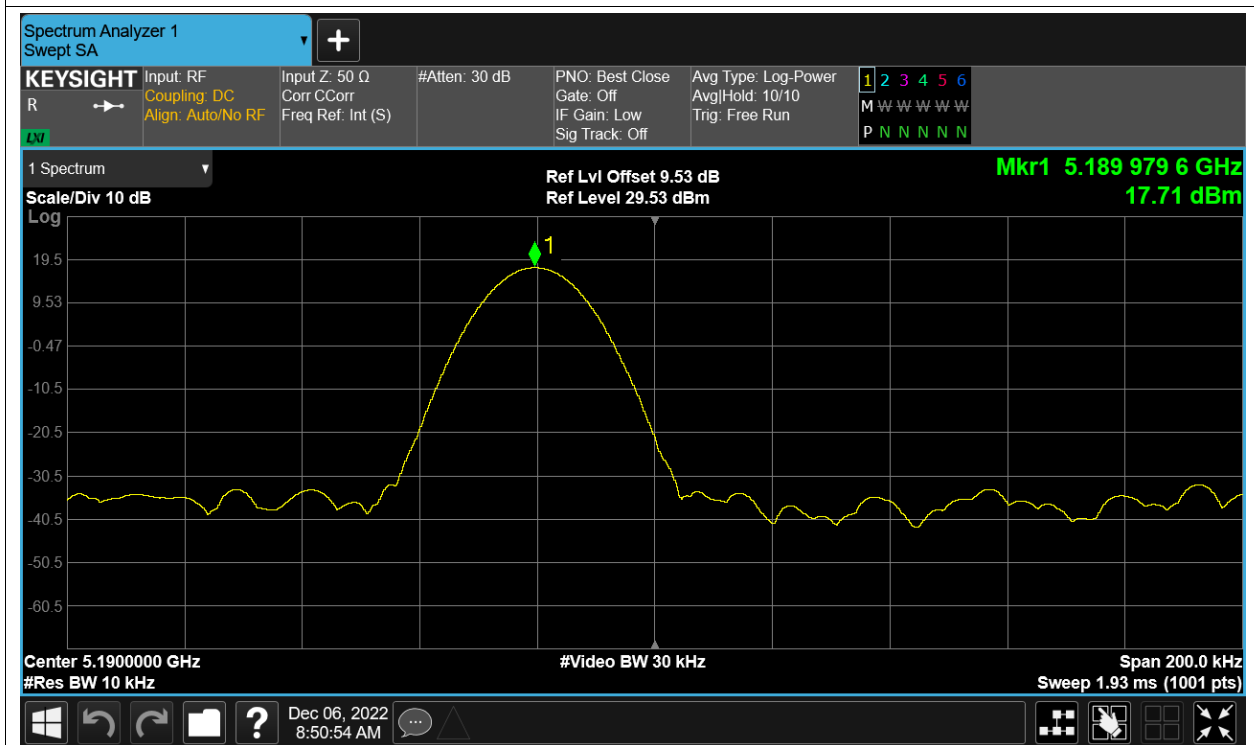
Freq. Stability NVNT ac80 5210MHz Ant1



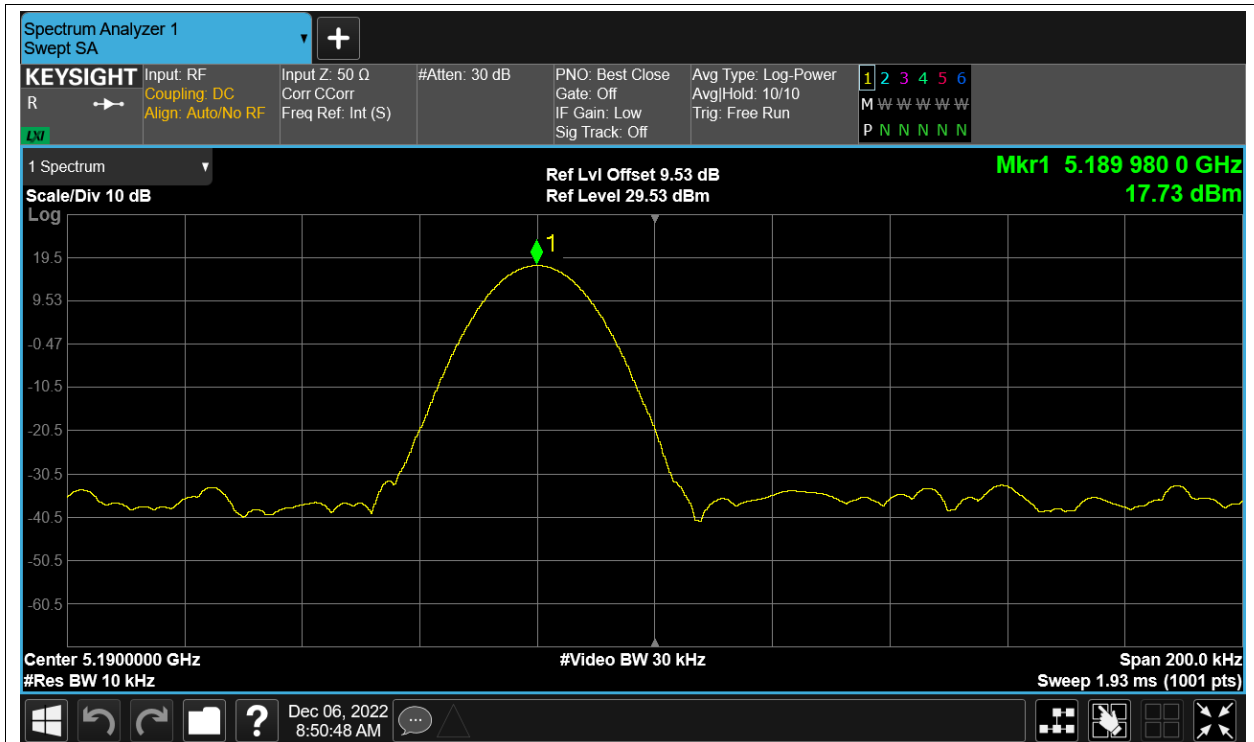
Freq. Stability HVNT n40 5190MHz Ant1



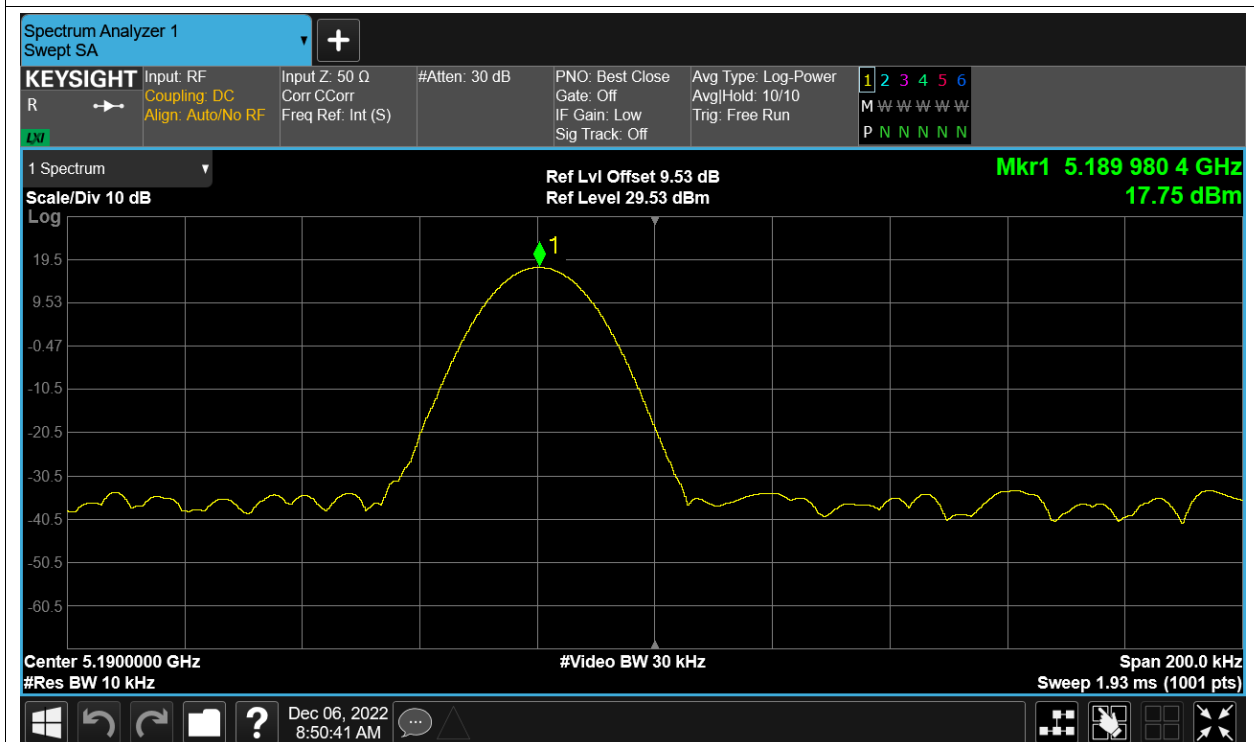
Freq. Stability LVNT n40 5190MHz Ant1



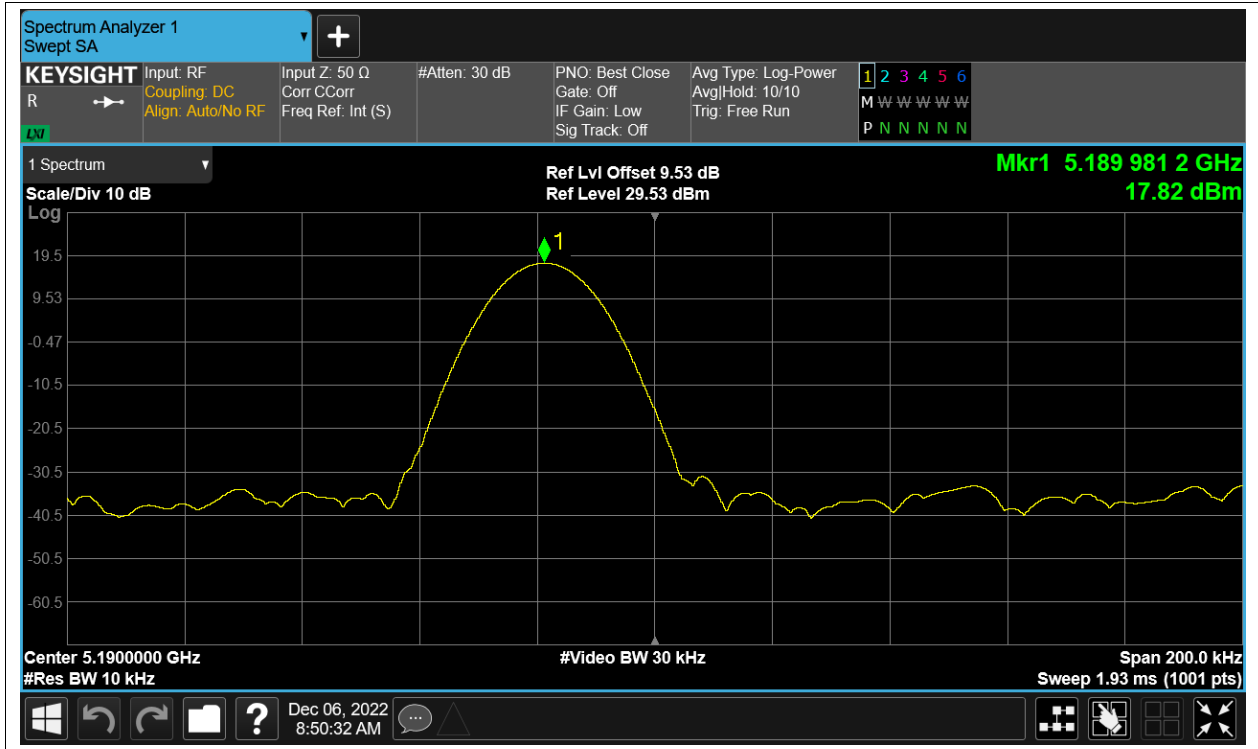
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

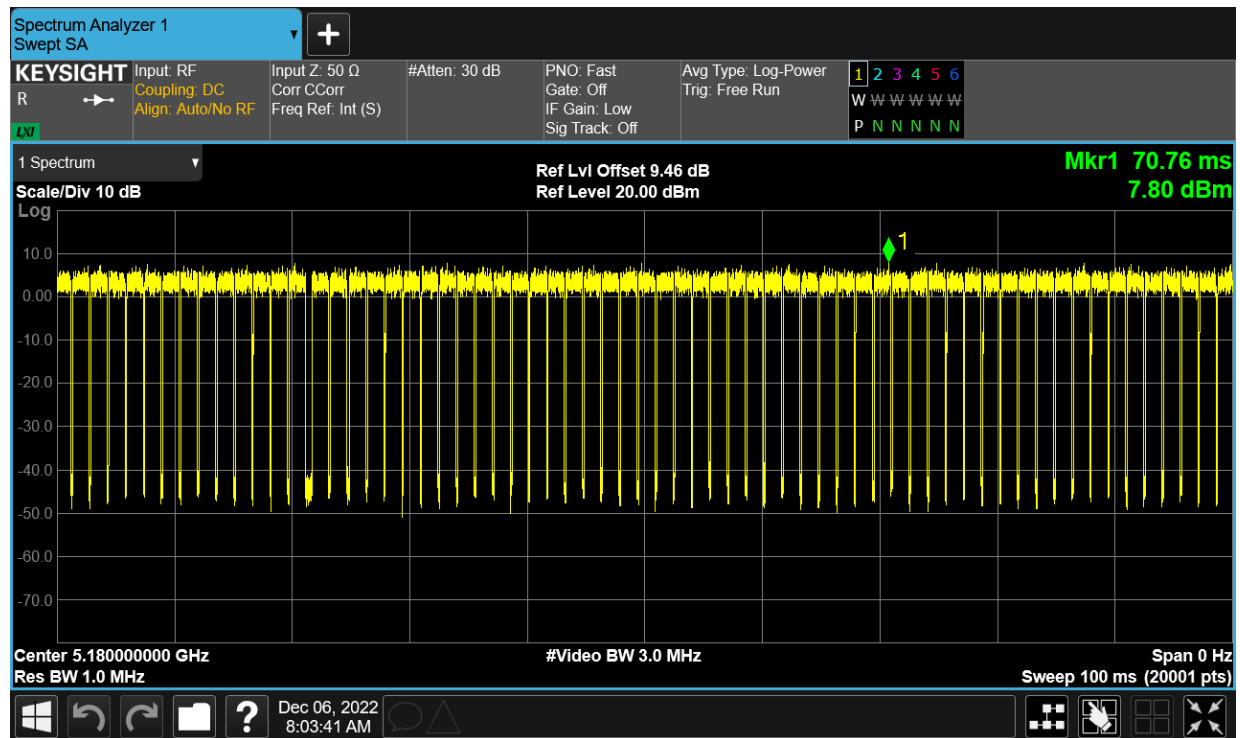


Duty Cycle

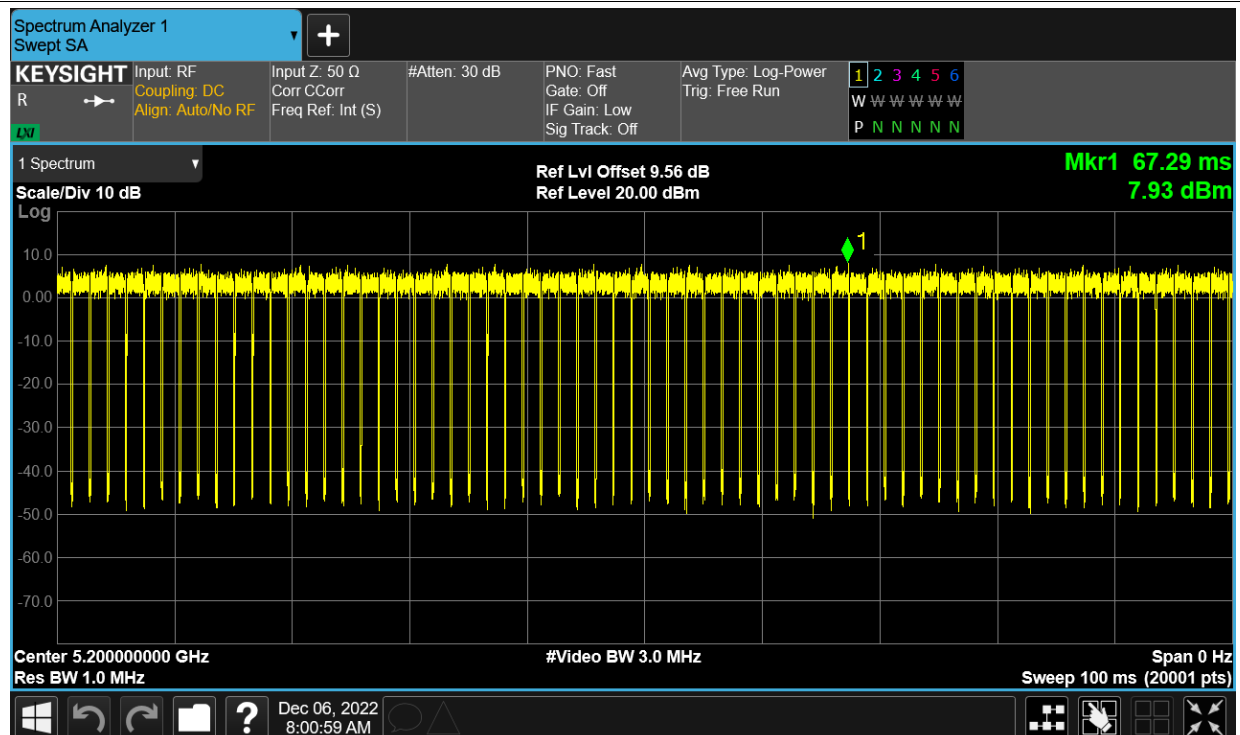
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	90.56	0.43
NVNT	a	5200	Ant1	91.01	0.41
NVNT	a	5240	Ant1	90.99	0.41
NVNT	ac20	5180	Ant1	88.03	0.55
NVNT	ac20	5200	Ant1	90.3	0.44
NVNT	ac20	5240	Ant1	89.16	0.5
NVNT	ac40	5190	Ant1	77.81	1.09
NVNT	ac40	5230	Ant1	79.61	0.99
NVNT	ac80	5210	Ant1	68.48	1.64
NVNT	n20	5180	Ant1	90.38	0.44
NVNT	n20	5200	Ant1	90.57	0.43
NVNT	n20	5240	Ant1	90.61	0.43
NVNT	n40	5190	Ant1	79.31	1.01
NVNT	n40	5230	Ant1	78.87	1.03

Test Graphs

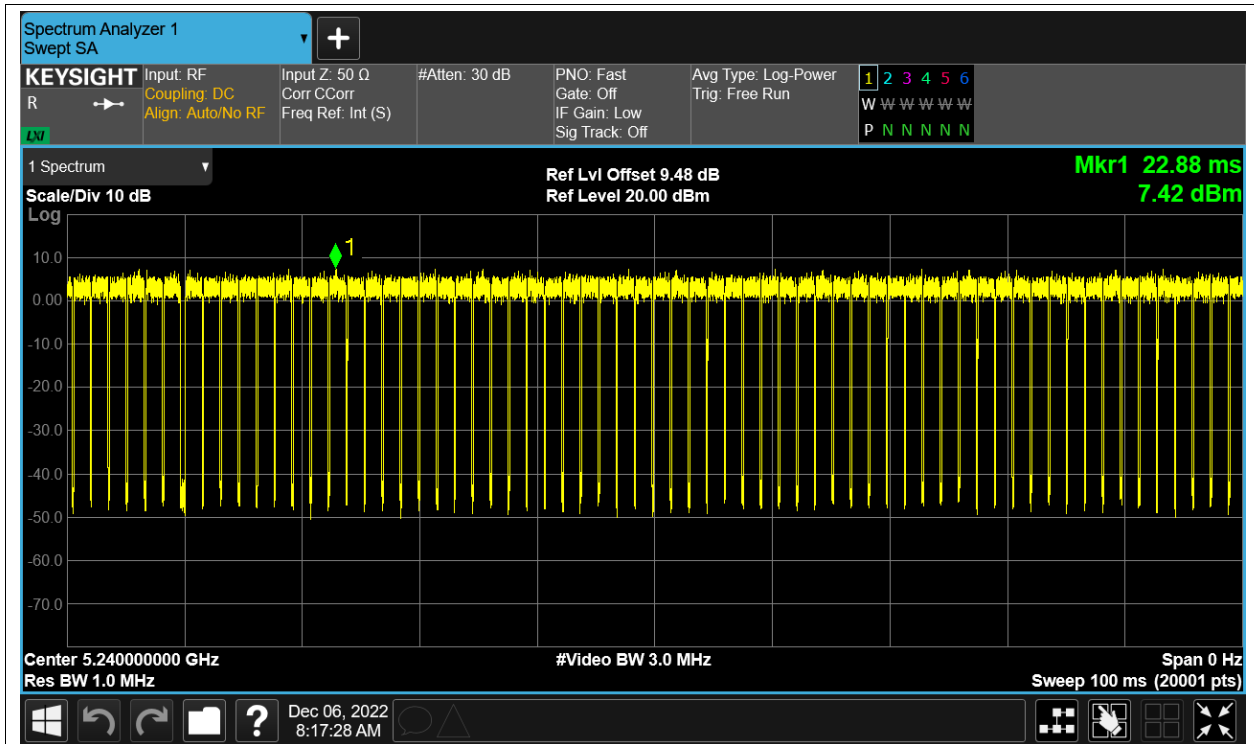
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1



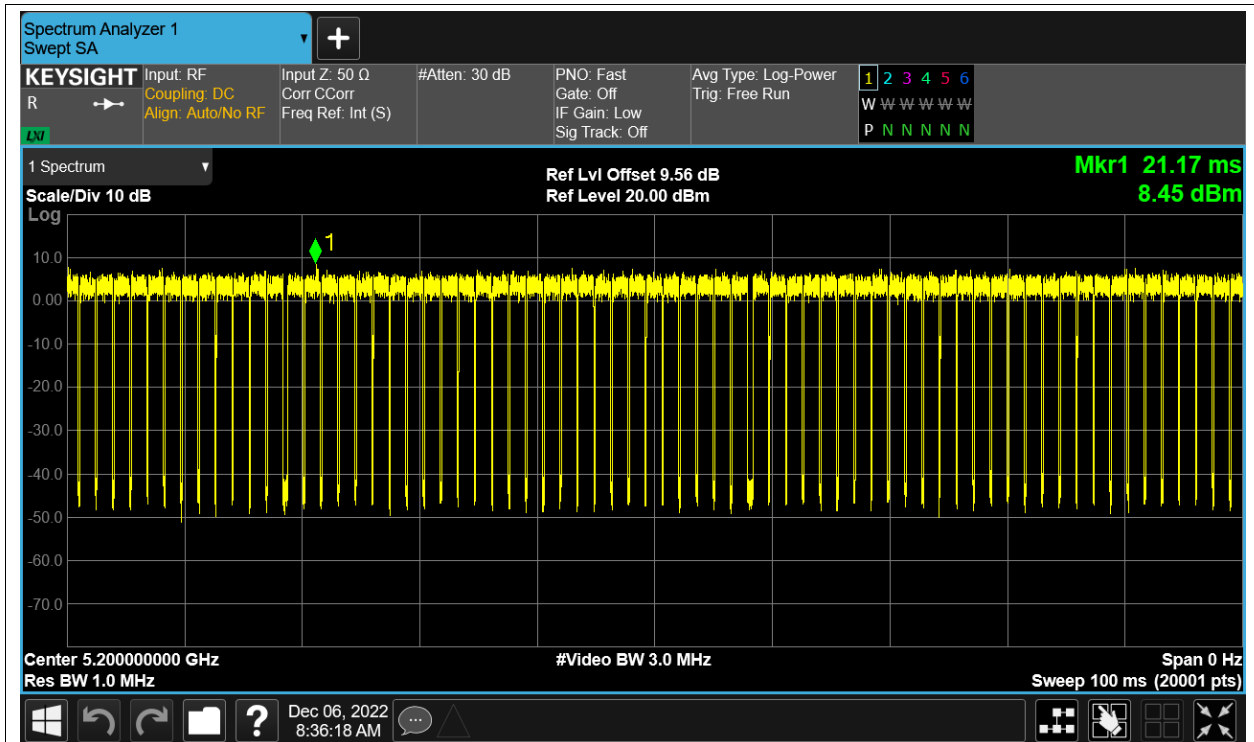
Duty Cycle NVNT a 5240MHz Ant1



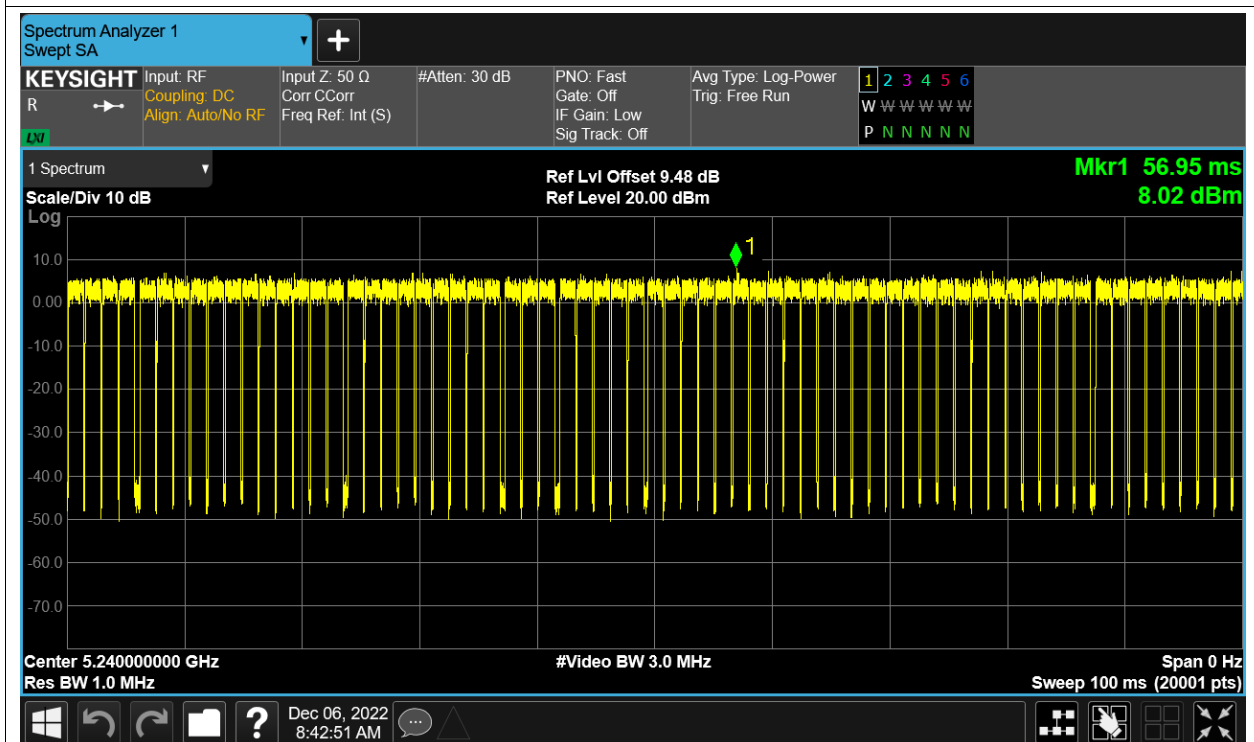
Duty Cycle NVNT ac20 5180MHz Ant1



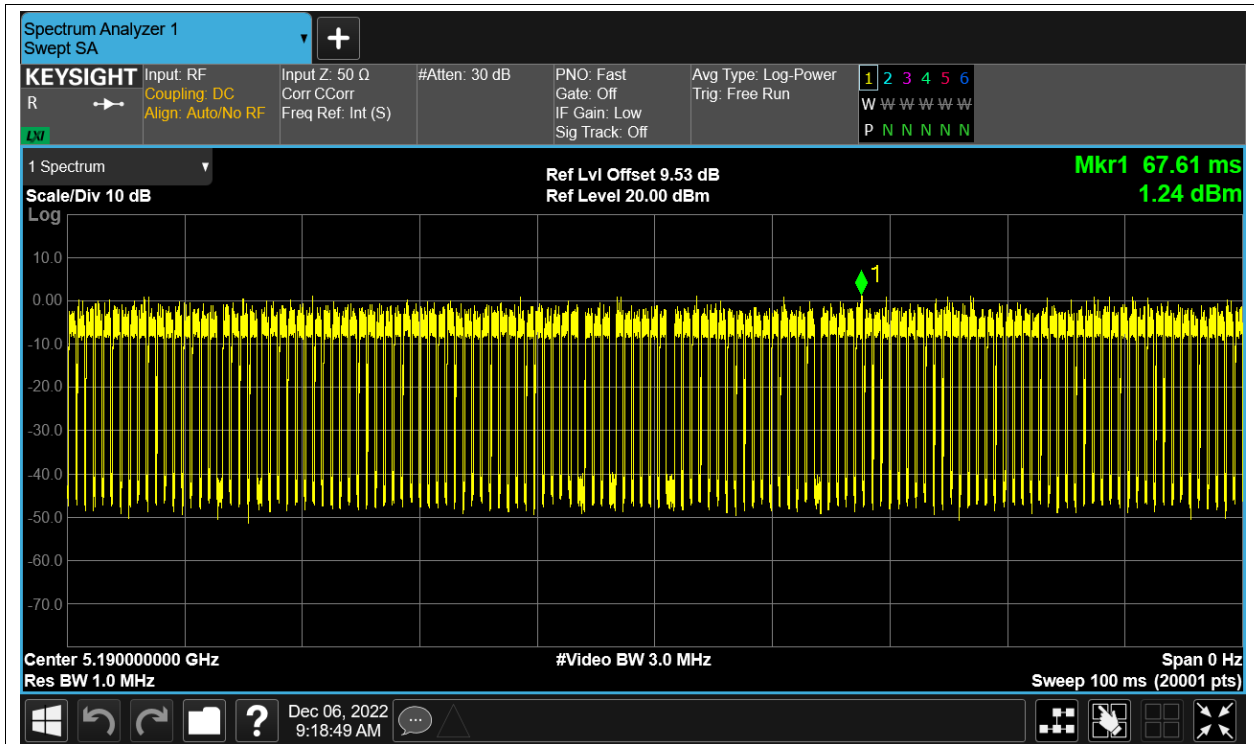
Duty Cycle NVNT ac20 5200MHz Ant1



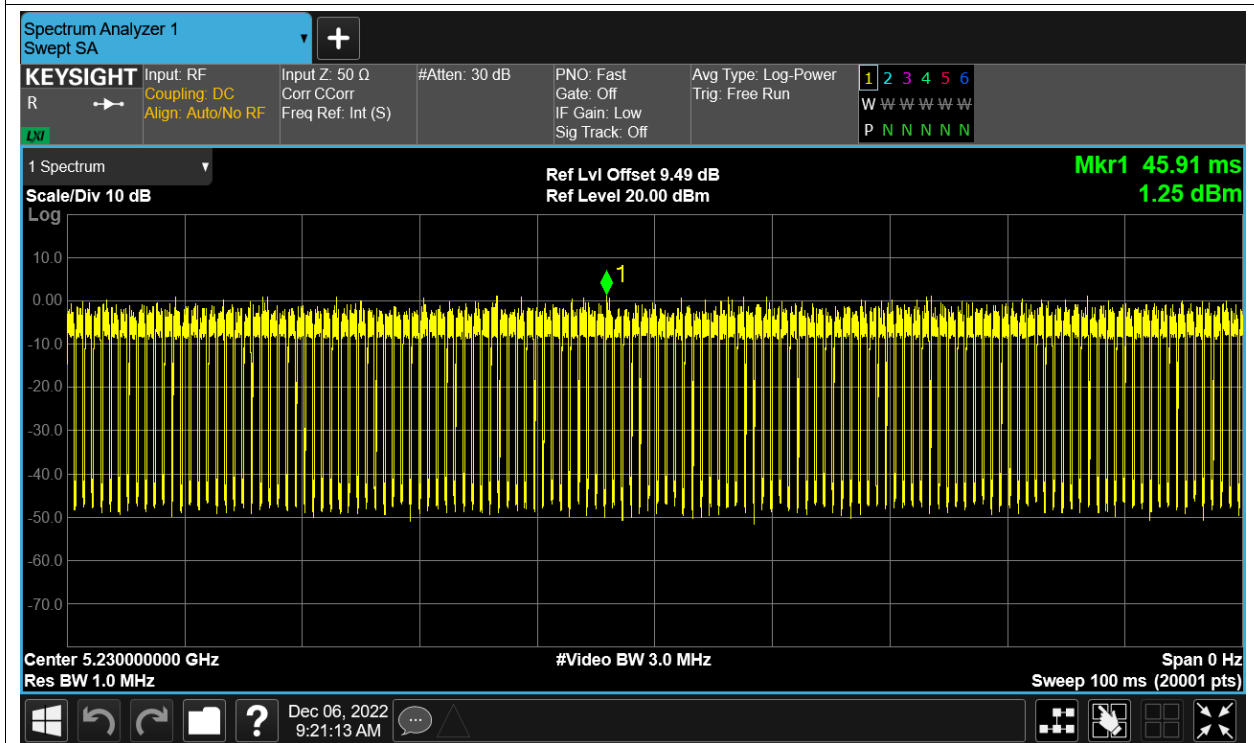
Duty Cycle NVNT ac20 5240MHz Ant1



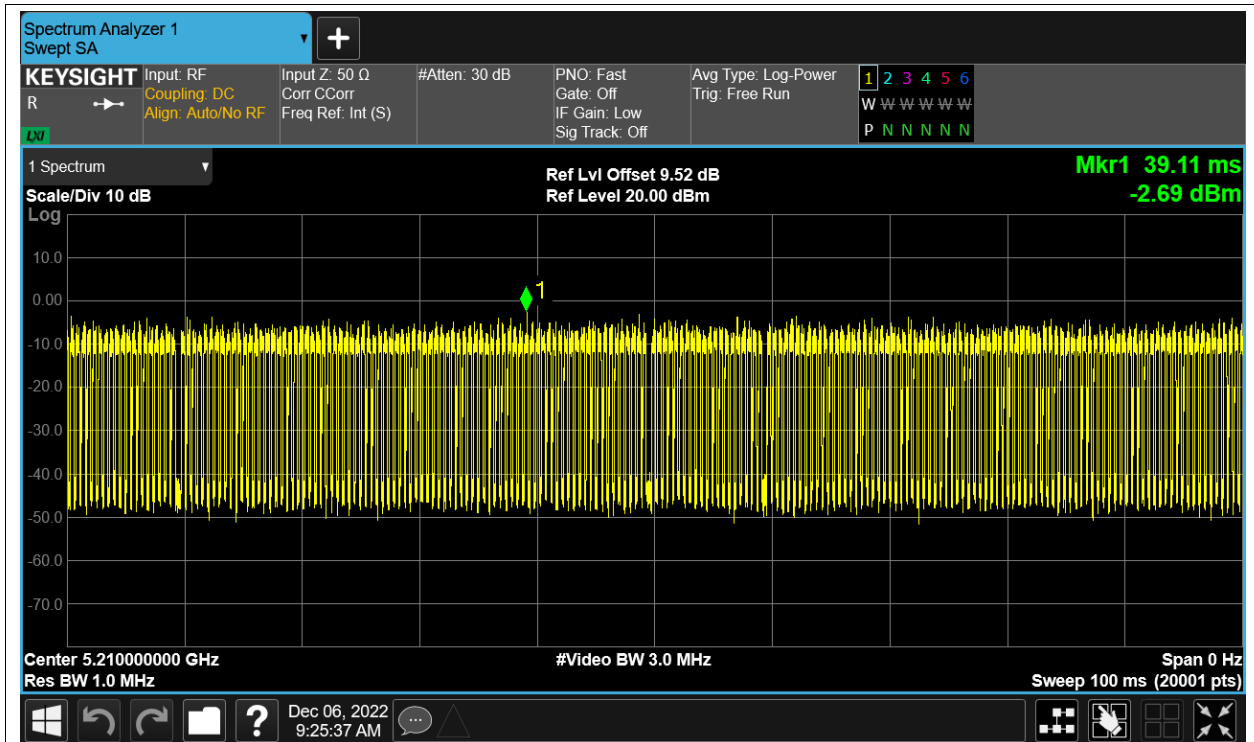
Duty Cycle NVNT ac40 5190MHz Ant1



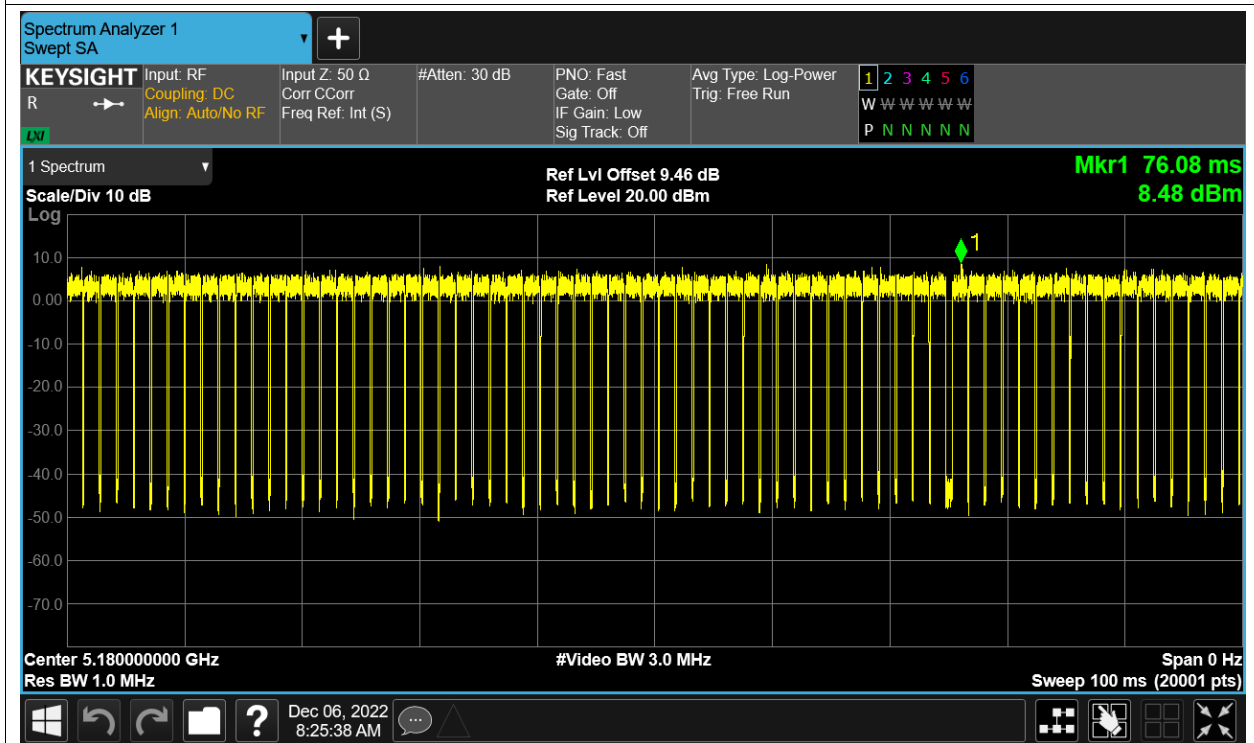
Duty Cycle NVNT ac40 5230MHz Ant1



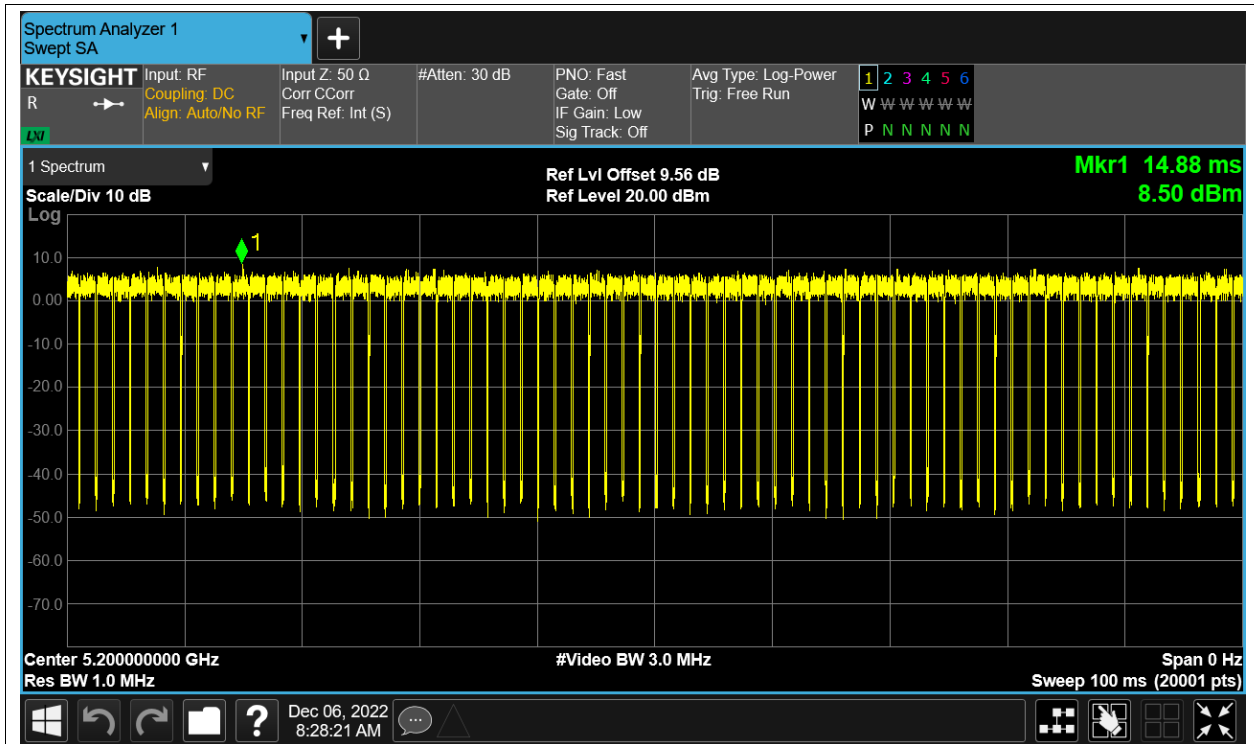
Duty Cycle NVNT ac80 5210MHz Ant1



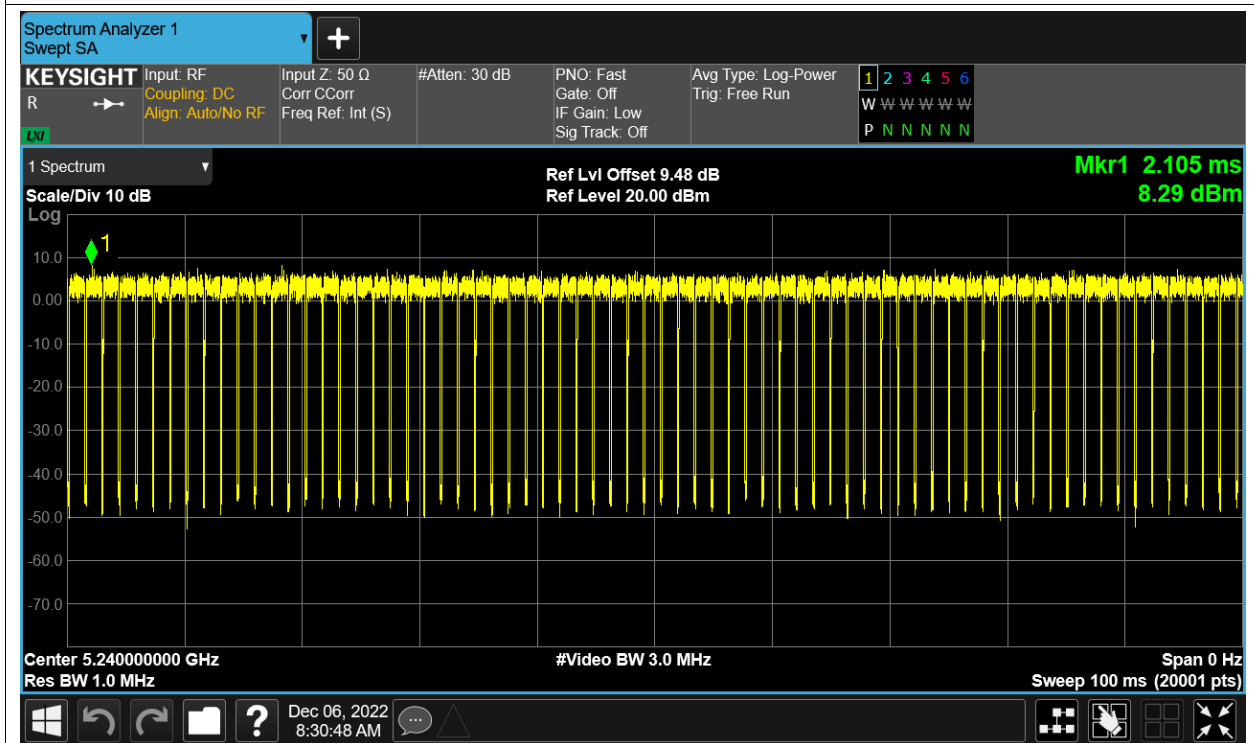
Duty Cycle NVNT n20 5180MHz Ant1



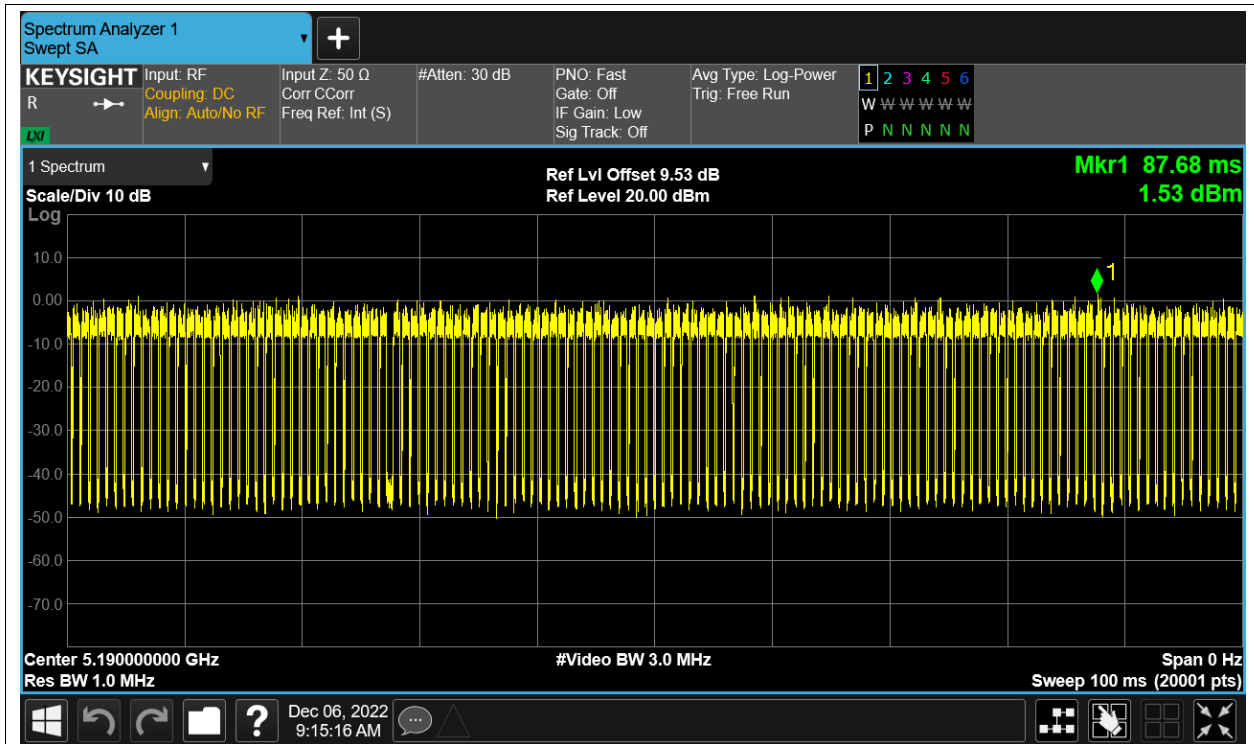
Duty Cycle NVNT n20 5200MHz Ant1



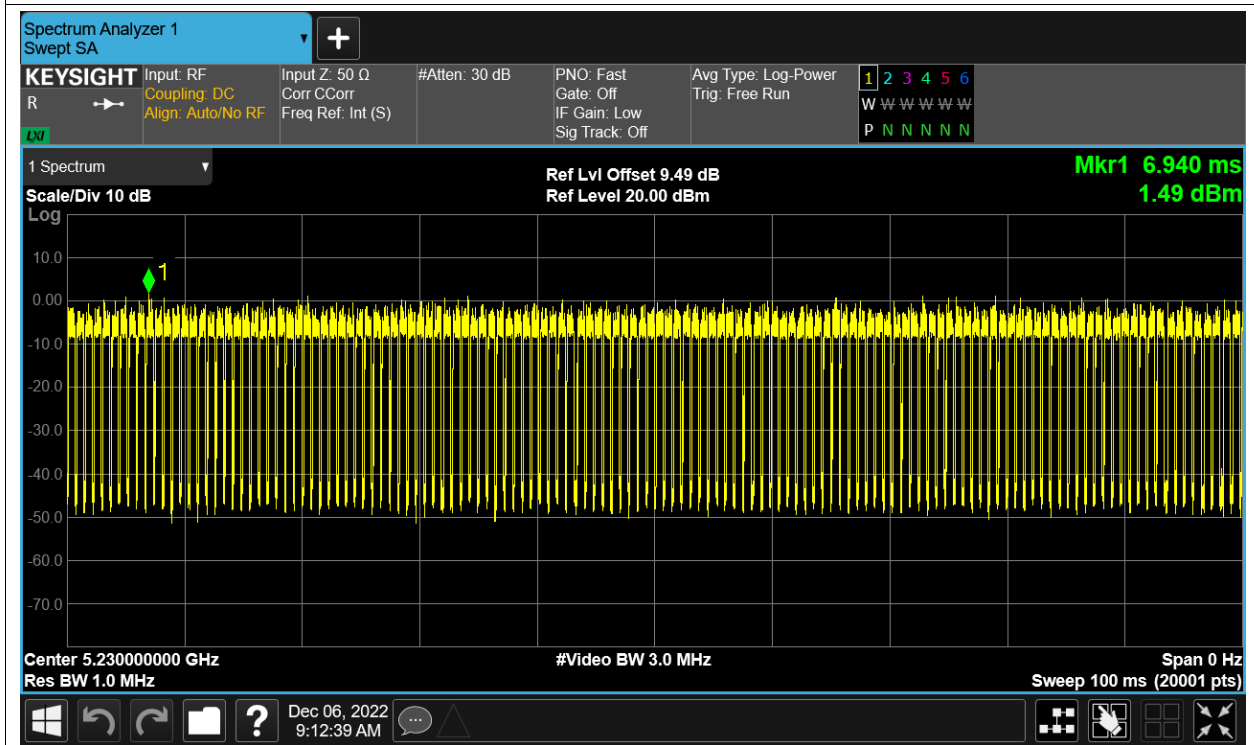
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

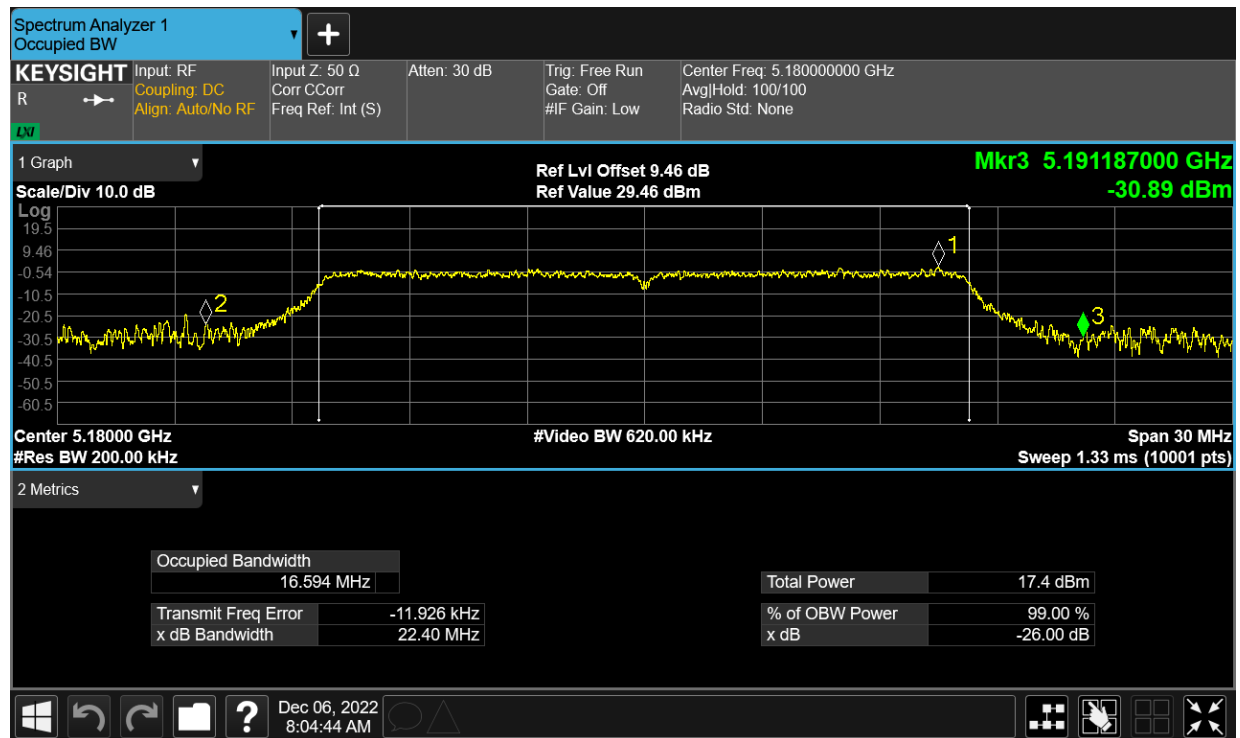
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.79	0.43	13.22	24	Pass
NVNT	a	5200	Ant1	12.58	0.41	12.99	24	Pass
NVNT	a	5240	Ant1	12.8	0.41	13.21	24	Pass
NVNT	ac20	5180	Ant1	13.14	0.55	13.69	24	Pass
NVNT	ac20	5200	Ant1	12.88	0.44	13.32	24	Pass
NVNT	ac20	5240	Ant1	12.83	0.5	13.33	24	Pass
NVNT	ac40	5190	Ant1	10.4	1.09	11.49	24	Pass
NVNT	ac40	5230	Ant1	10.18	0.99	11.17	24	Pass
NVNT	ac80	5210	Ant1	10.17	1.64	11.81	24	Pass
NVNT	n20	5180	Ant1	13.11	0.44	13.55	24	Pass
NVNT	n20	5200	Ant1	12.86	0.43	13.29	24	Pass
NVNT	n20	5240	Ant1	12.71	0.43	13.14	24	Pass
NVNT	n40	5190	Ant1	10.38	1.01	11.39	24	Pass
NVNT	n40	5230	Ant1	10.19	1.03	11.22	24	Pass

-26dB Bandwidth

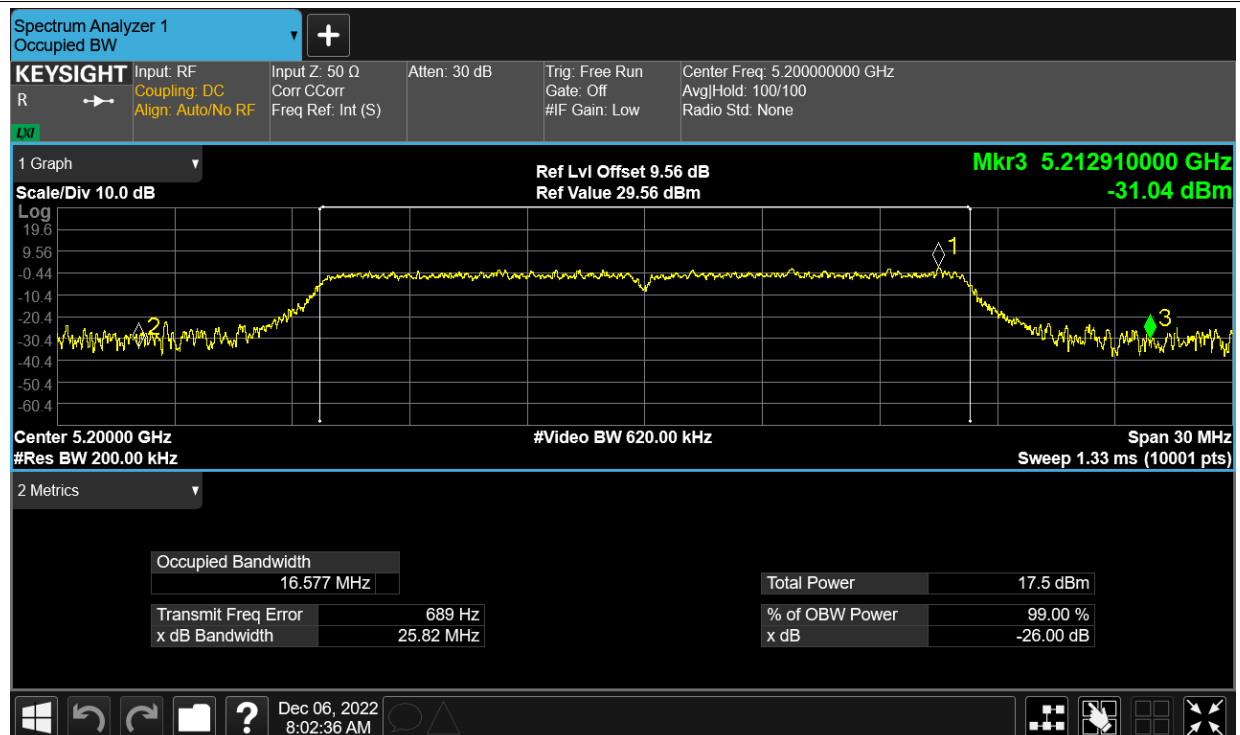
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	22.397
NVNT	a	5200	Ant1	25.818
NVNT	a	5240	Ant1	25.321
NVNT	ac20	5180	Ant1	23.092
NVNT	ac20	5200	Ant1	24.582
NVNT	ac20	5240	Ant1	25.671
NVNT	ac40	5190	Ant1	43.653
NVNT	ac40	5230	Ant1	46.89
NVNT	ac80	5210	Ant1	78.02
NVNT	n20	5180	Ant1	27.753
NVNT	n20	5200	Ant1	27.934
NVNT	n20	5240	Ant1	28.487
NVNT	n40	5190	Ant1	56.535
NVNT	n40	5230	Ant1	47.355

Test Graphs

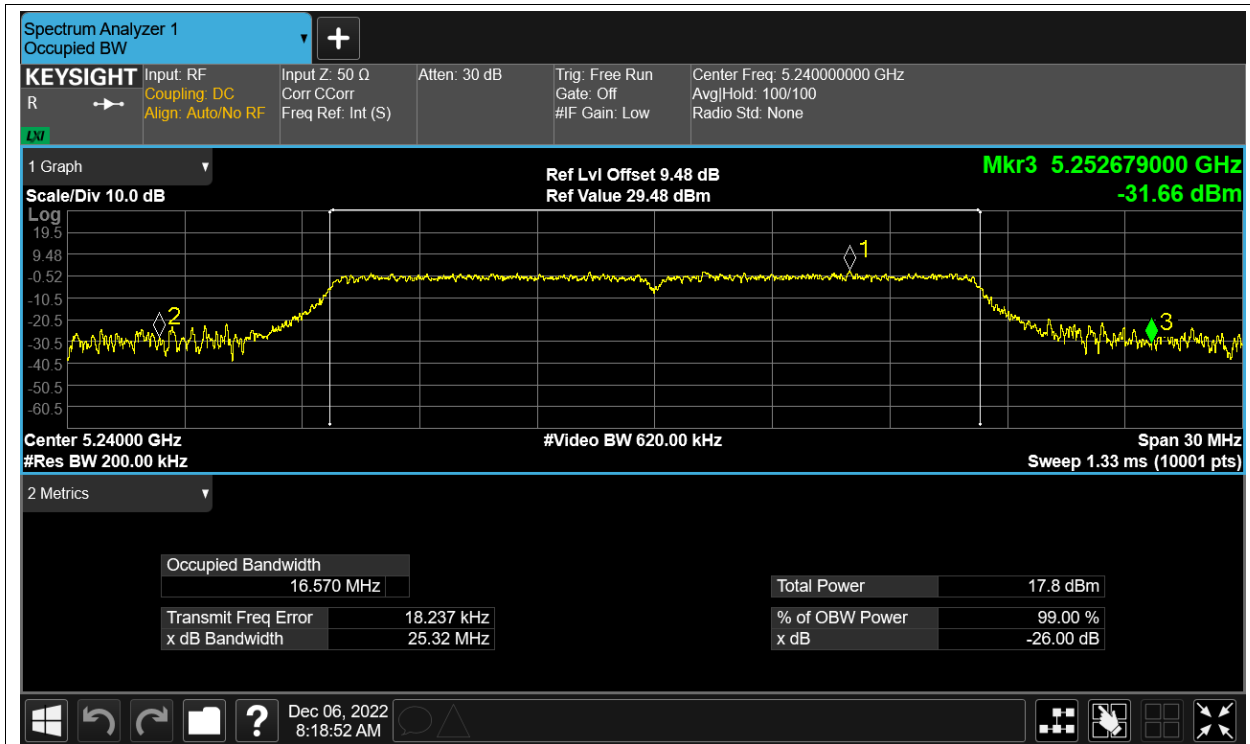
-26dB Bandwidth NVNT a 5180MHz Ant1



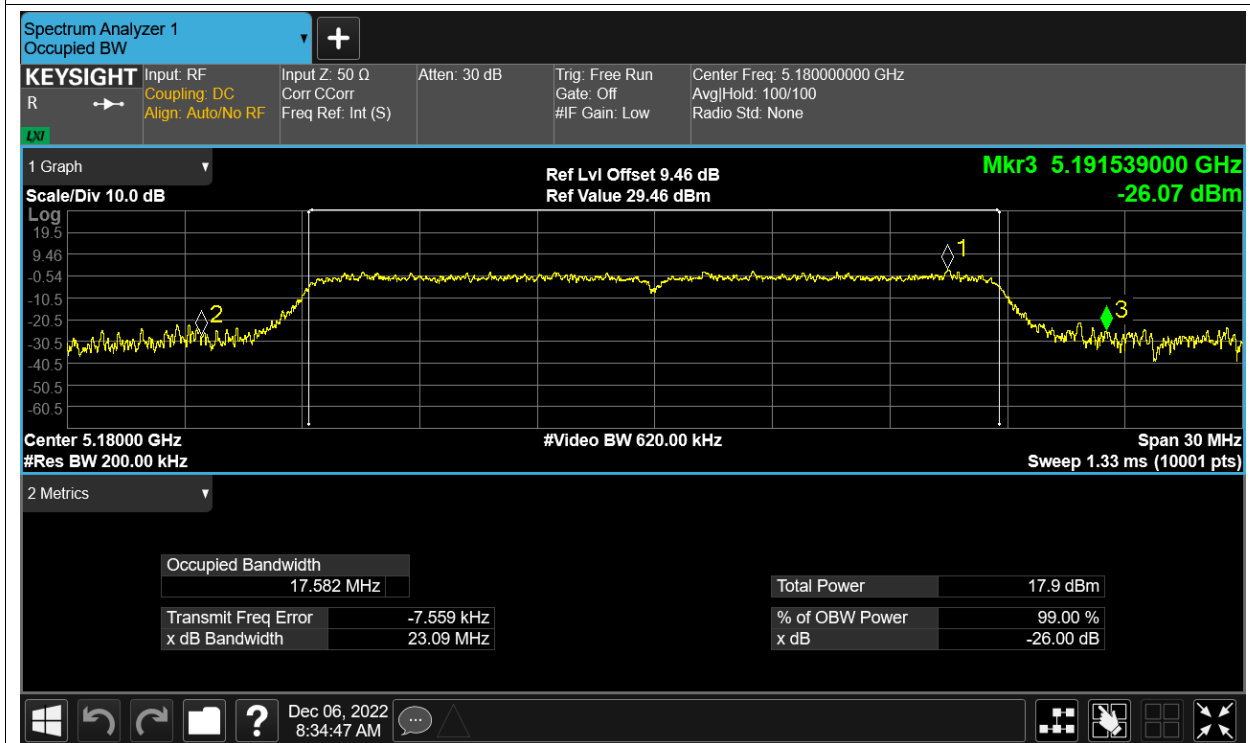
-26dB Bandwidth NVNT a 5200MHz Ant1



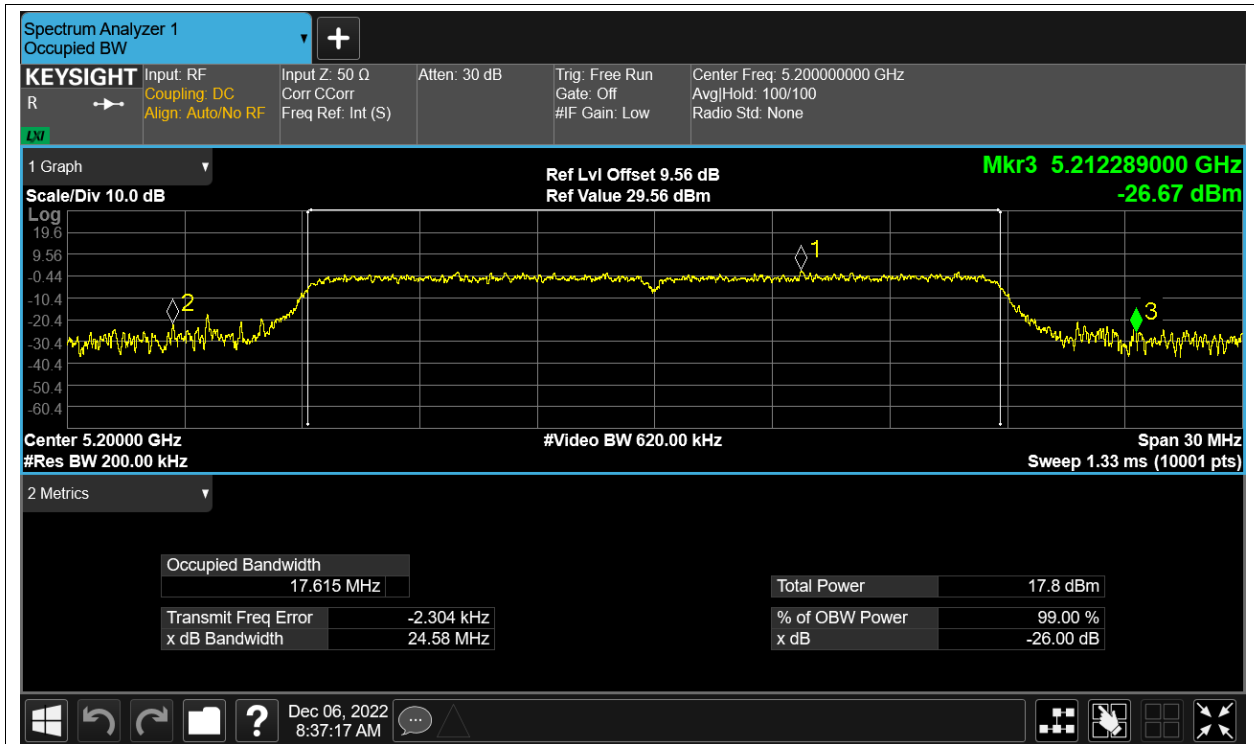
-26dB Bandwidth NVNT a 5240MHz Ant1



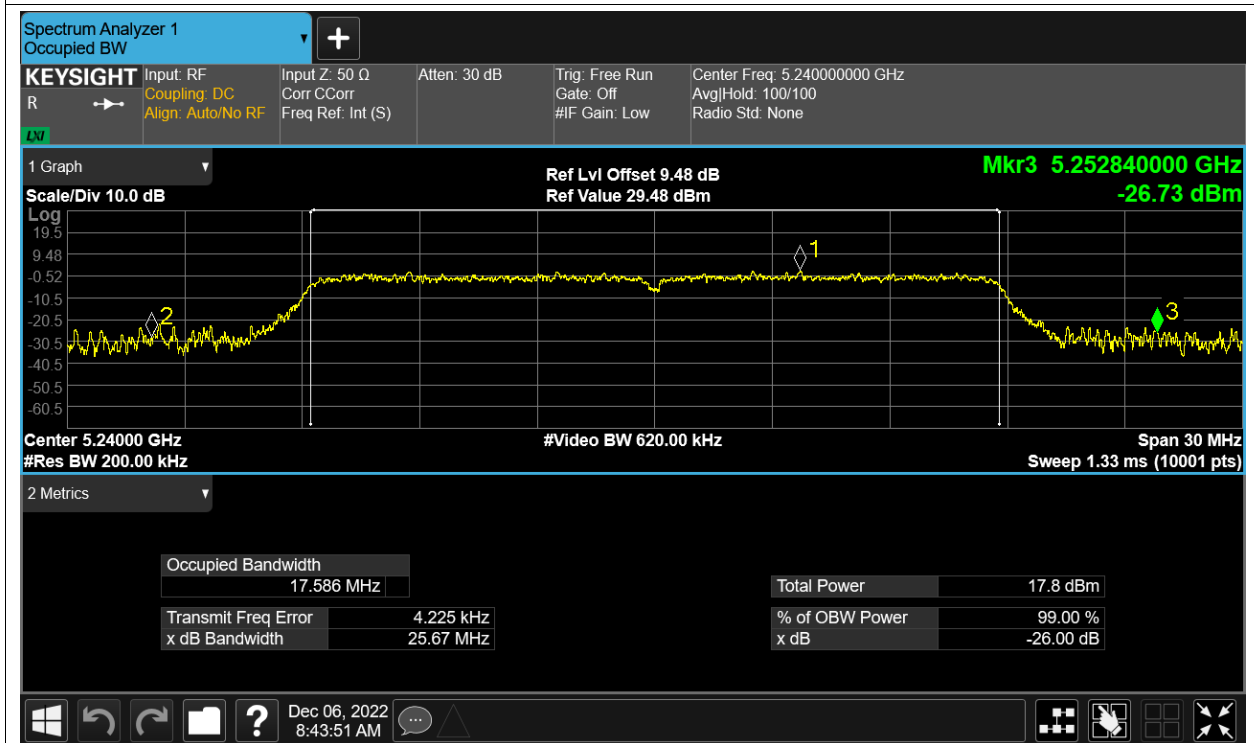
-26dB Bandwidth NVNT ac20 5180MHz Ant1



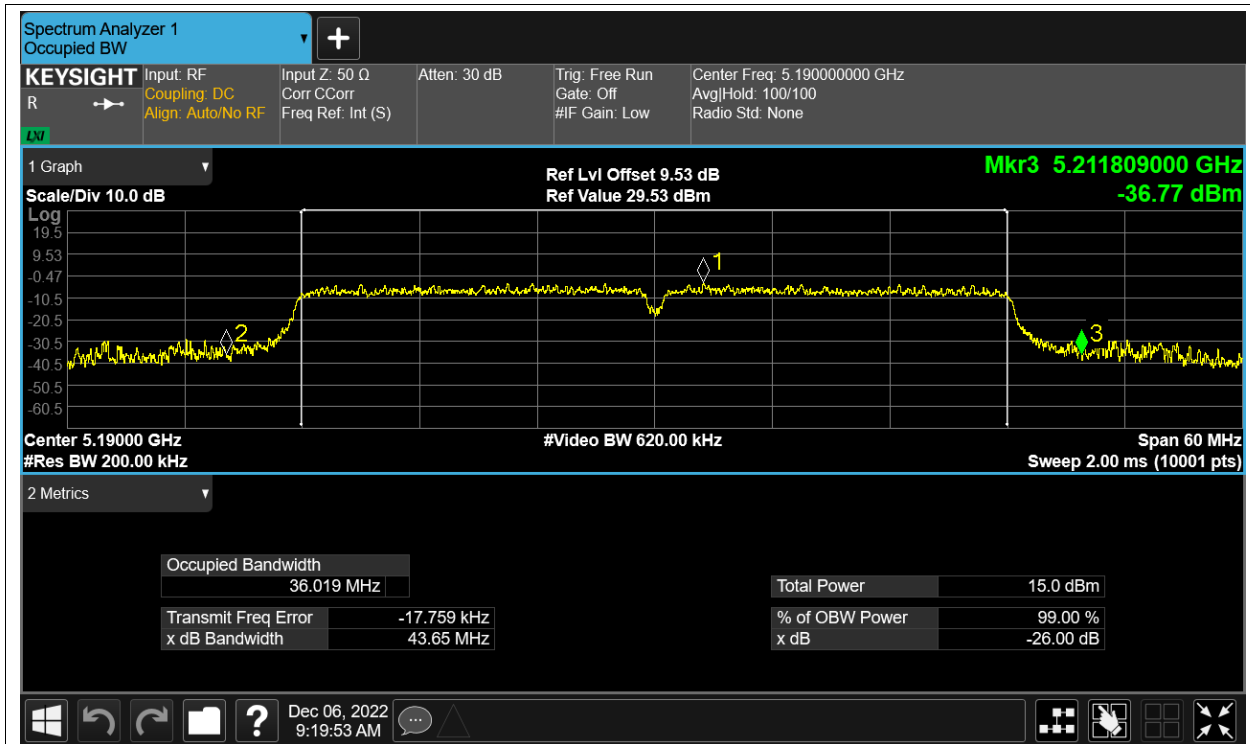
-26dB Bandwidth NVNT ac20 5200MHz Ant1



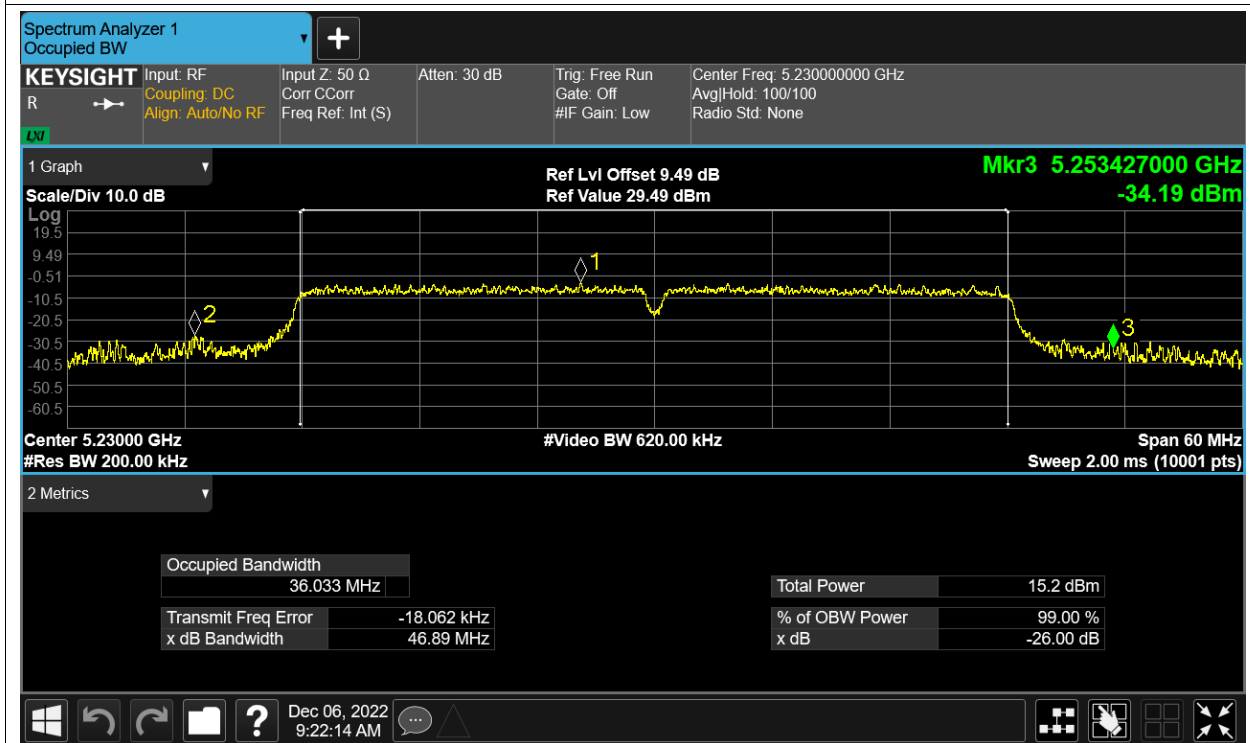
-26dB Bandwidth NVNT ac20 5240MHz Ant1



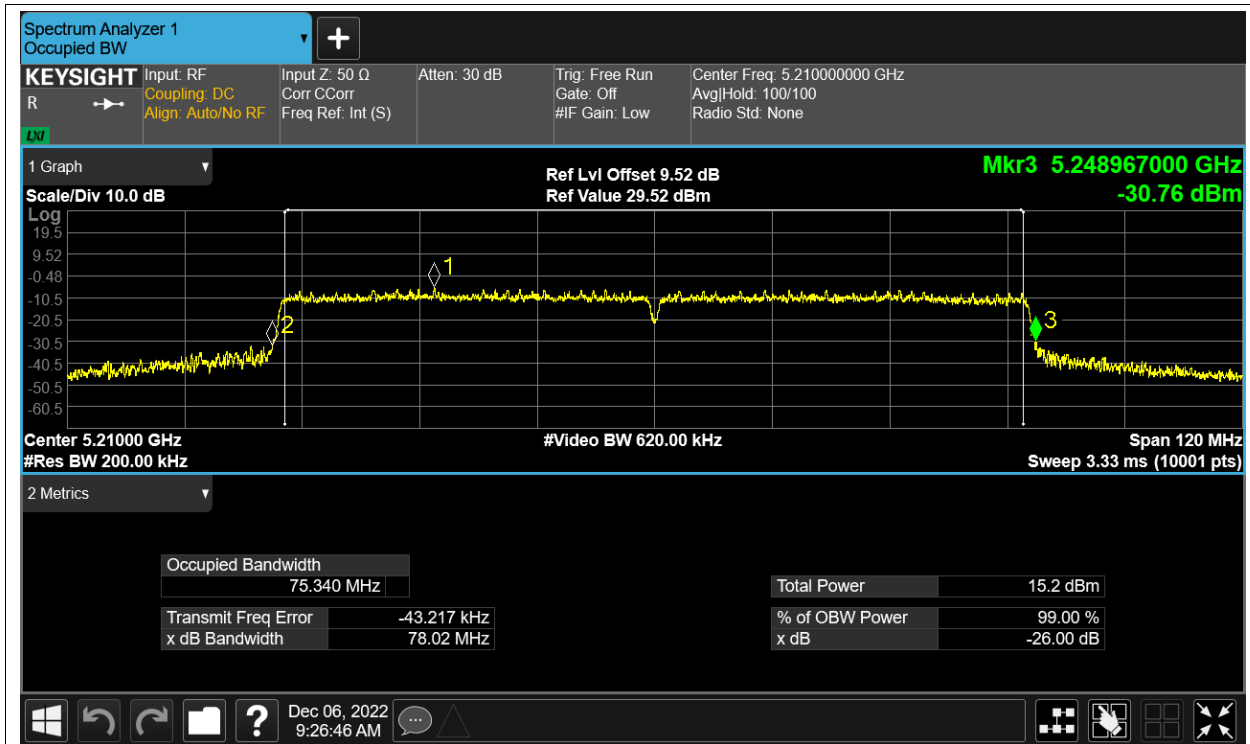
-26dB Bandwidth NVNT ac40 5190MHz Ant1



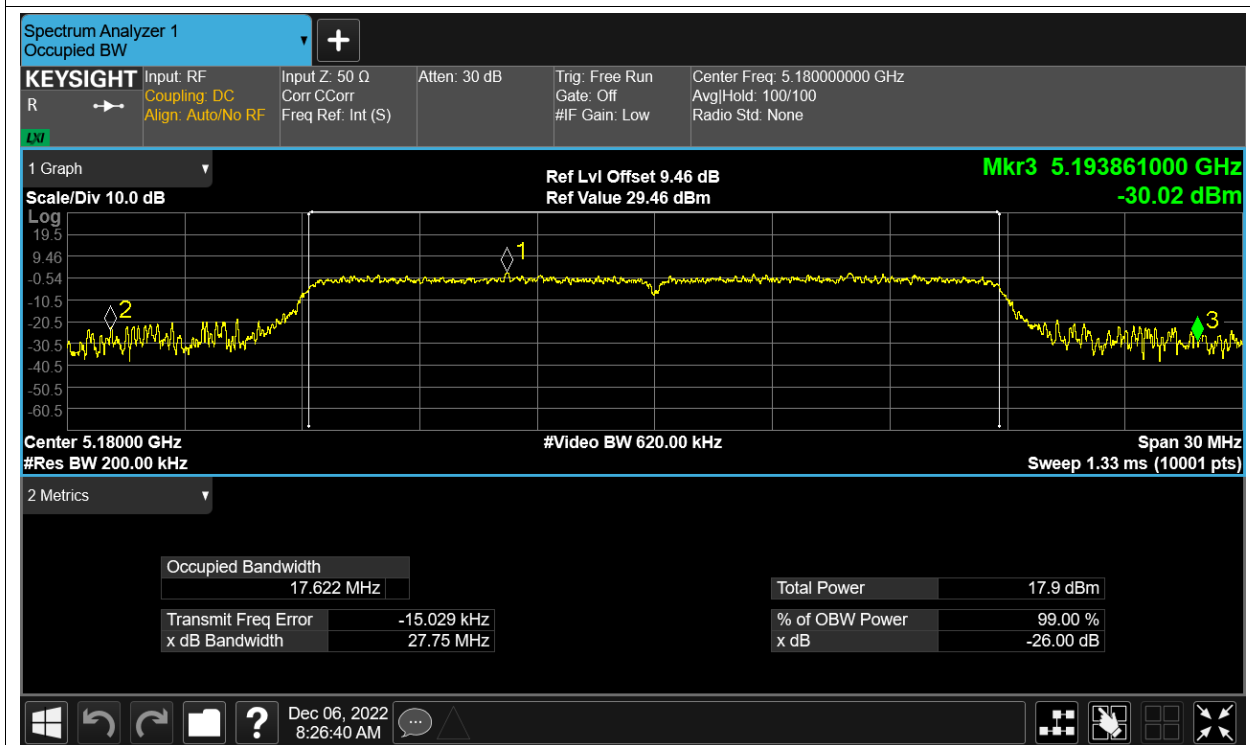
-26dB Bandwidth NVNT ac40 5230MHz Ant1



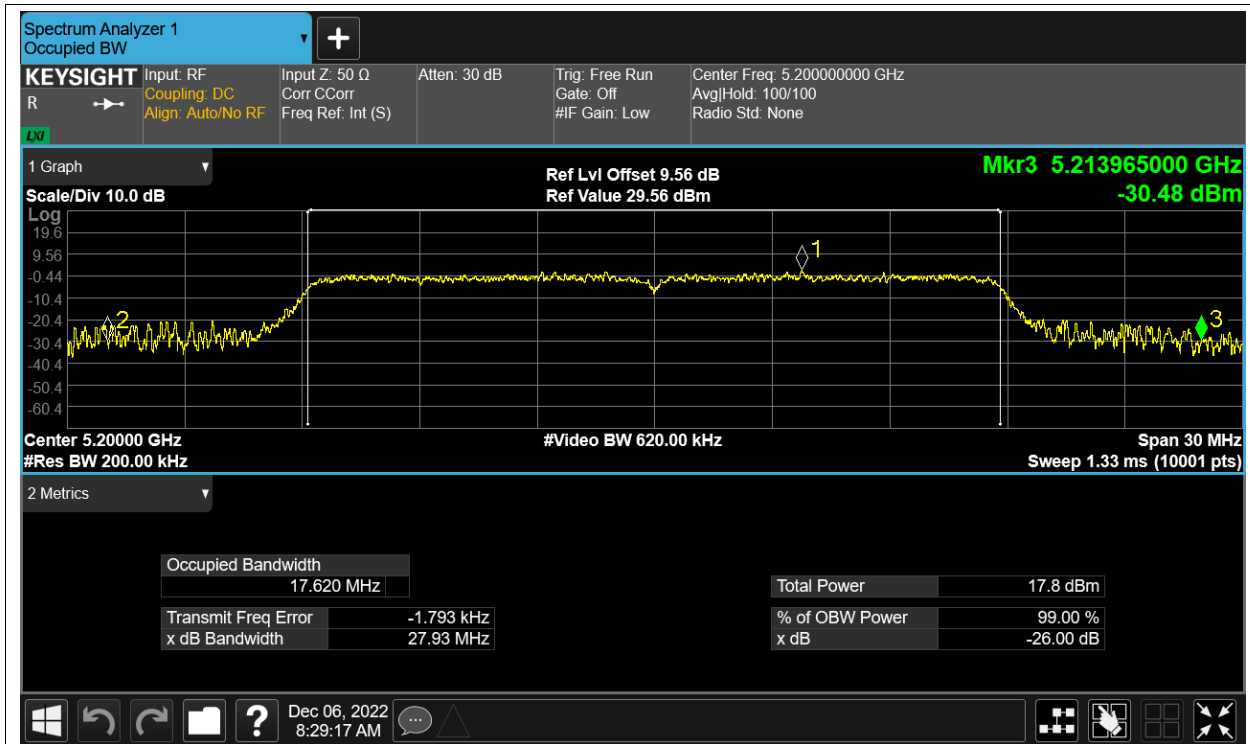
-26dB Bandwidth NVNT ac80 5210MHz Ant1



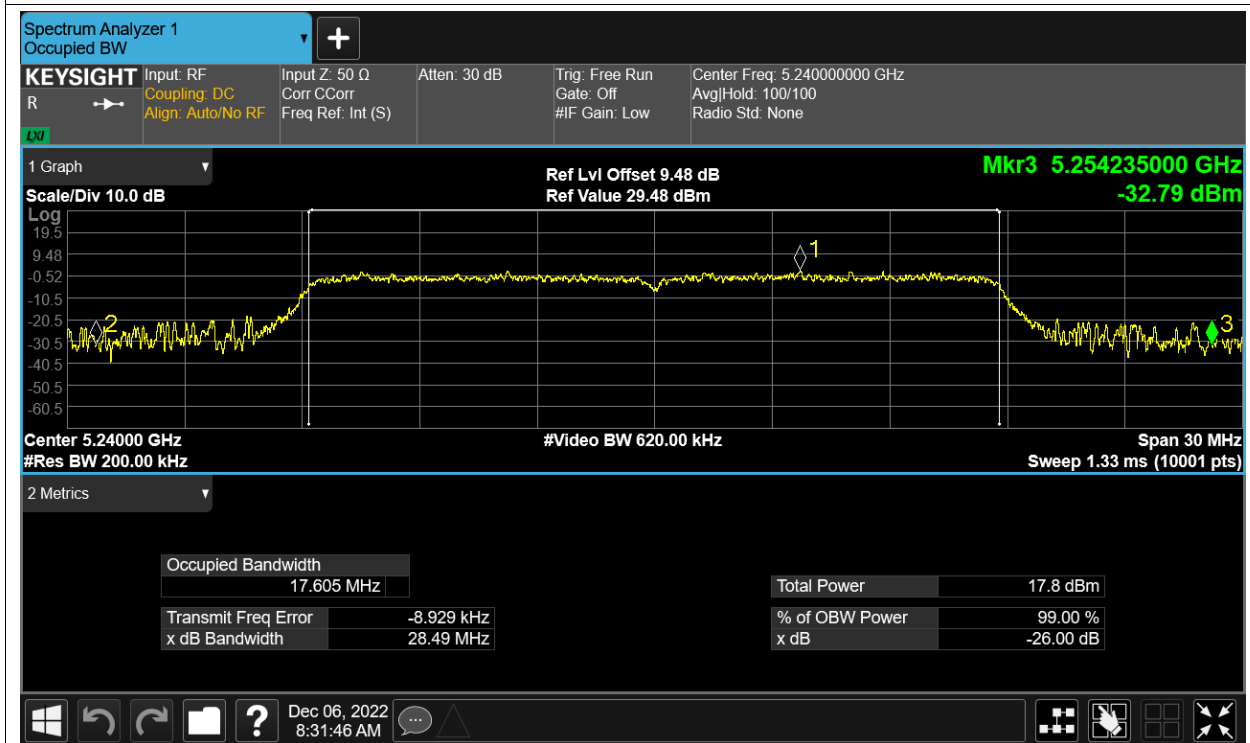
-26dB Bandwidth NVNT n20 5180MHz Ant1



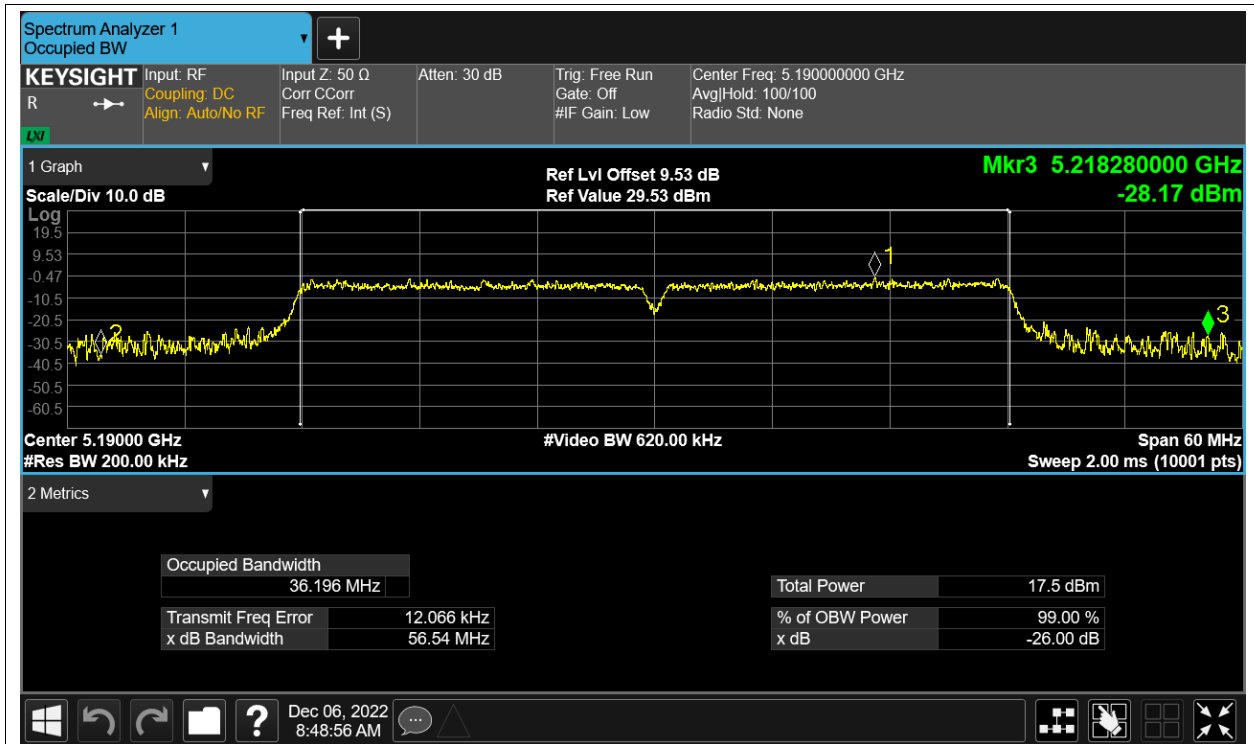
-26dB Bandwidth NVNT n20 5200MHz Ant1



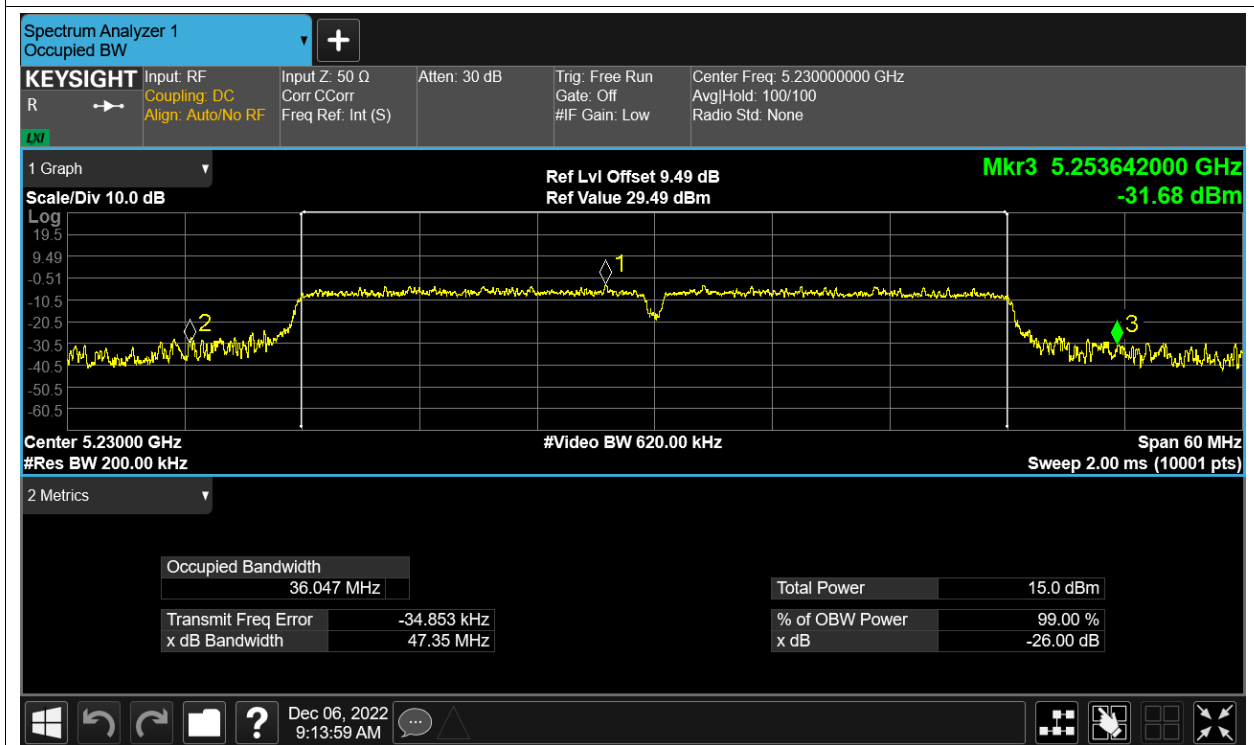
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

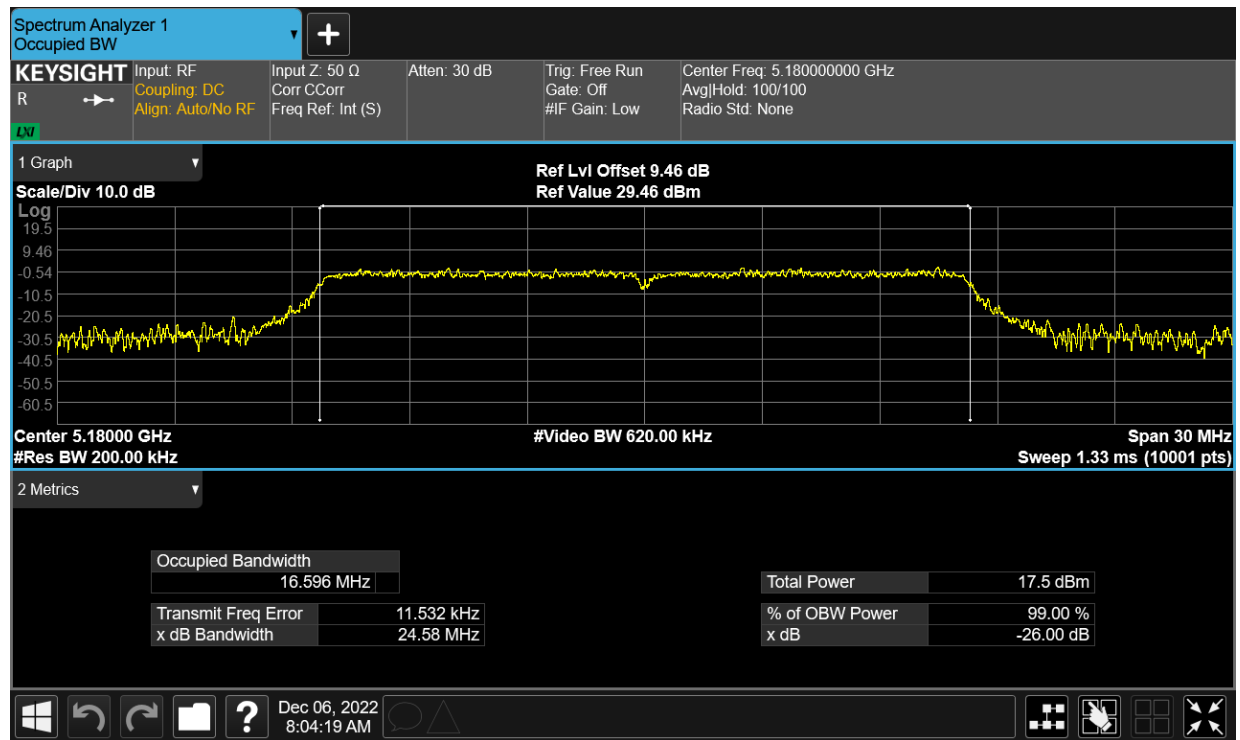


Occupied Channel Bandwidth

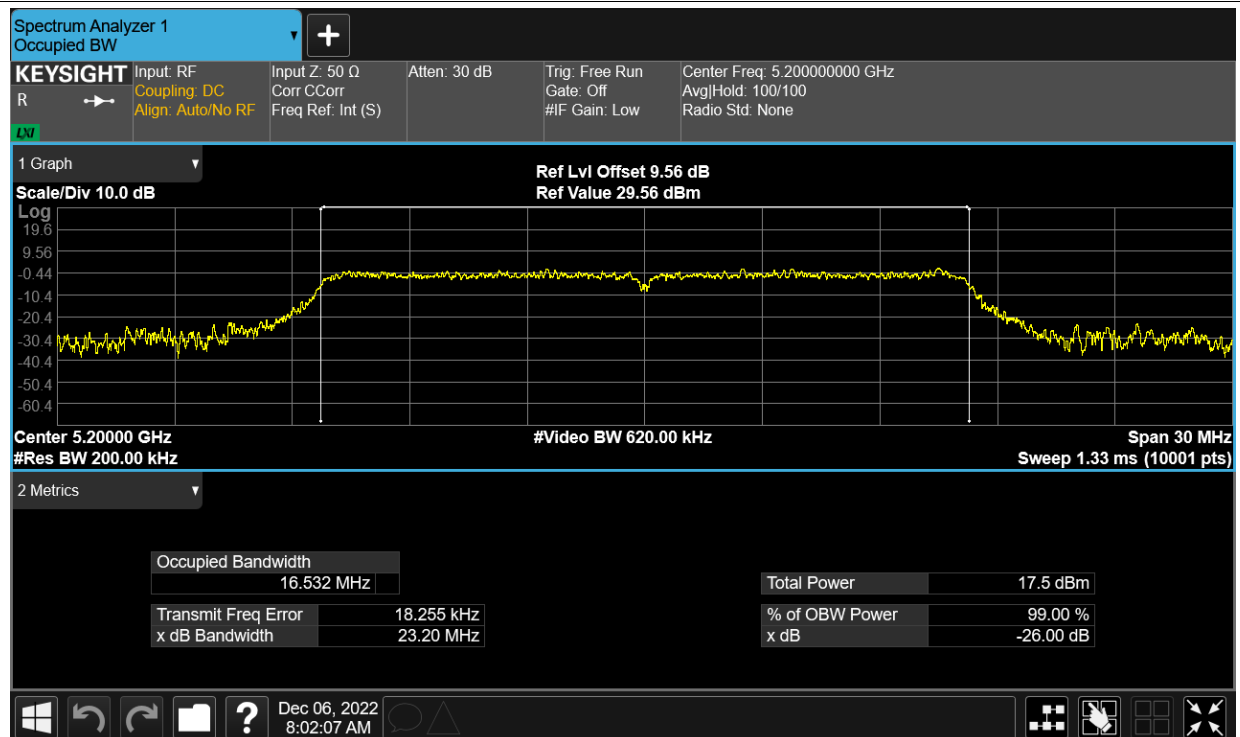
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.596
NVNT	a	5200	Ant1	16.532
NVNT	a	5240	Ant1	16.58
NVNT	ac20	5180	Ant1	17.582
NVNT	ac20	5200	Ant1	17.594
NVNT	ac20	5240	Ant1	17.581
NVNT	ac40	5190	Ant1	36.202
NVNT	ac40	5230	Ant1	36.141
NVNT	ac80	5210	Ant1	75.523
NVNT	n20	5180	Ant1	17.593
NVNT	n20	5200	Ant1	17.616
NVNT	n20	5240	Ant1	17.619
NVNT	n40	5190	Ant1	36.313
NVNT	n40	5230	Ant1	36.134

Test Graphs

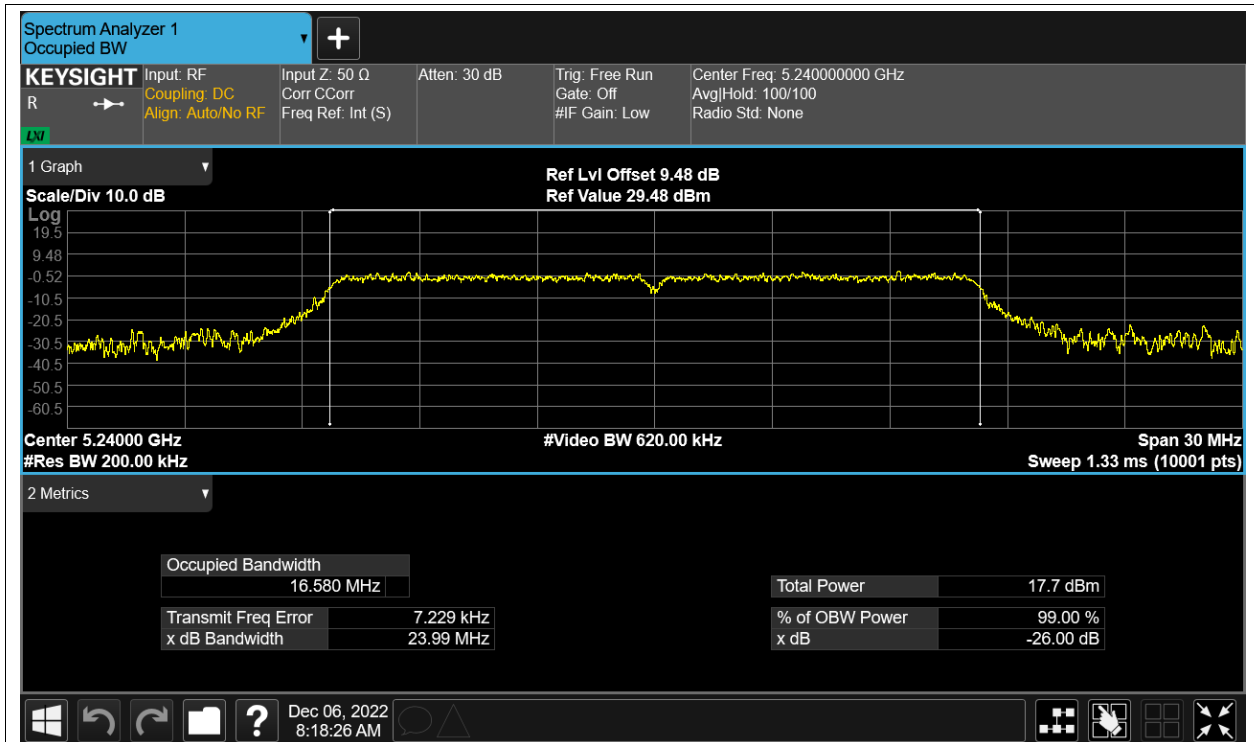
OBW NVNT a 5180MHz Ant1



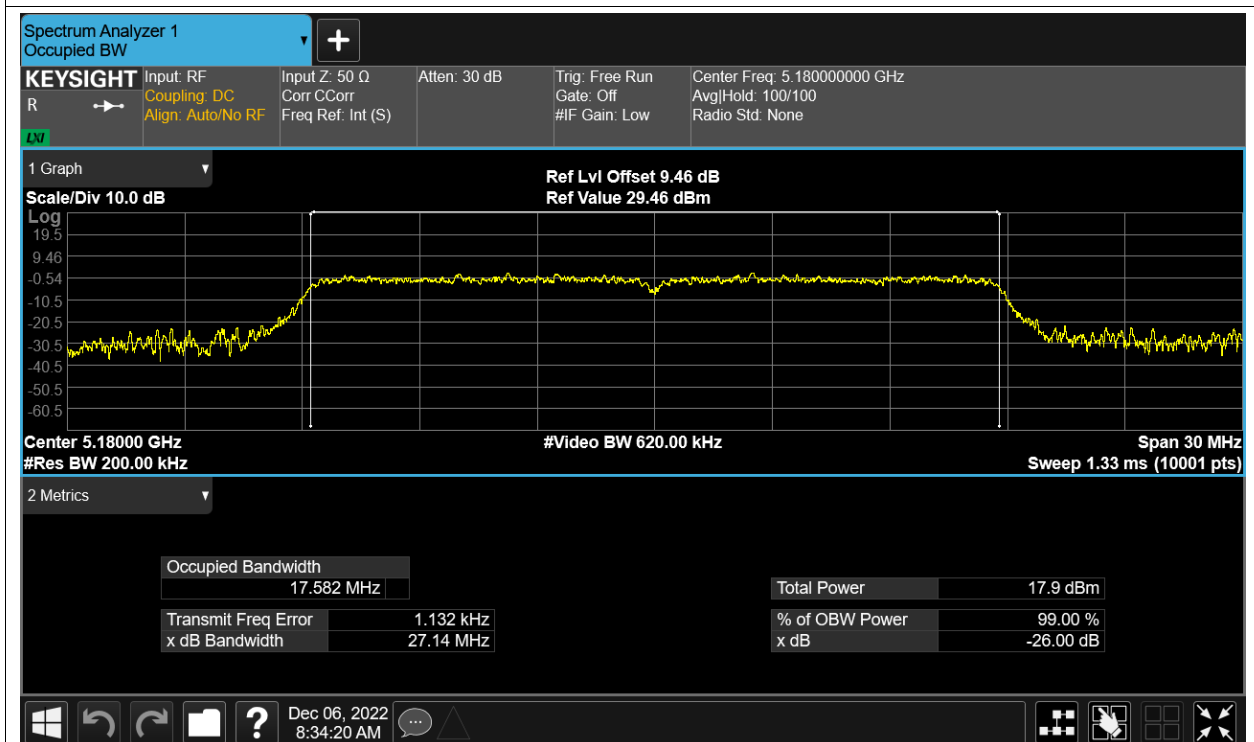
OBW NVNT a 5200MHz Ant1



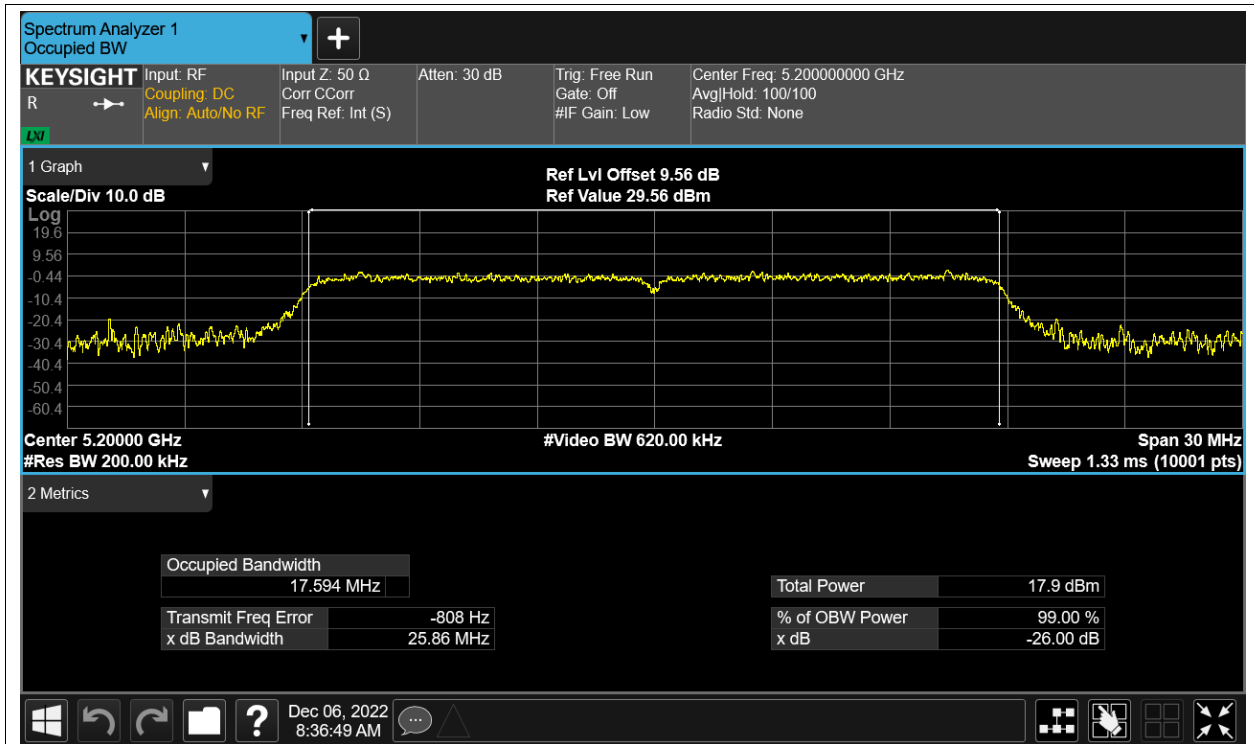
OBW NVNT a 5240MHz Ant1



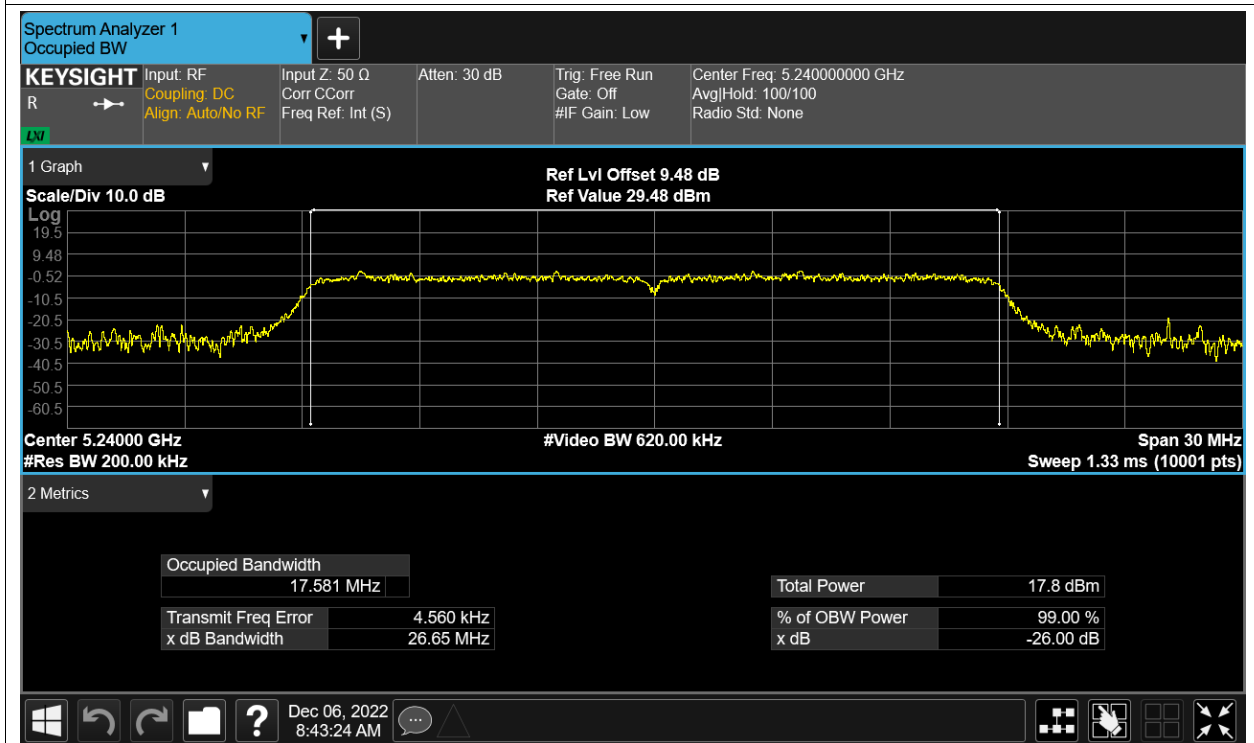
OBW NVNT ac20 5180MHz Ant1



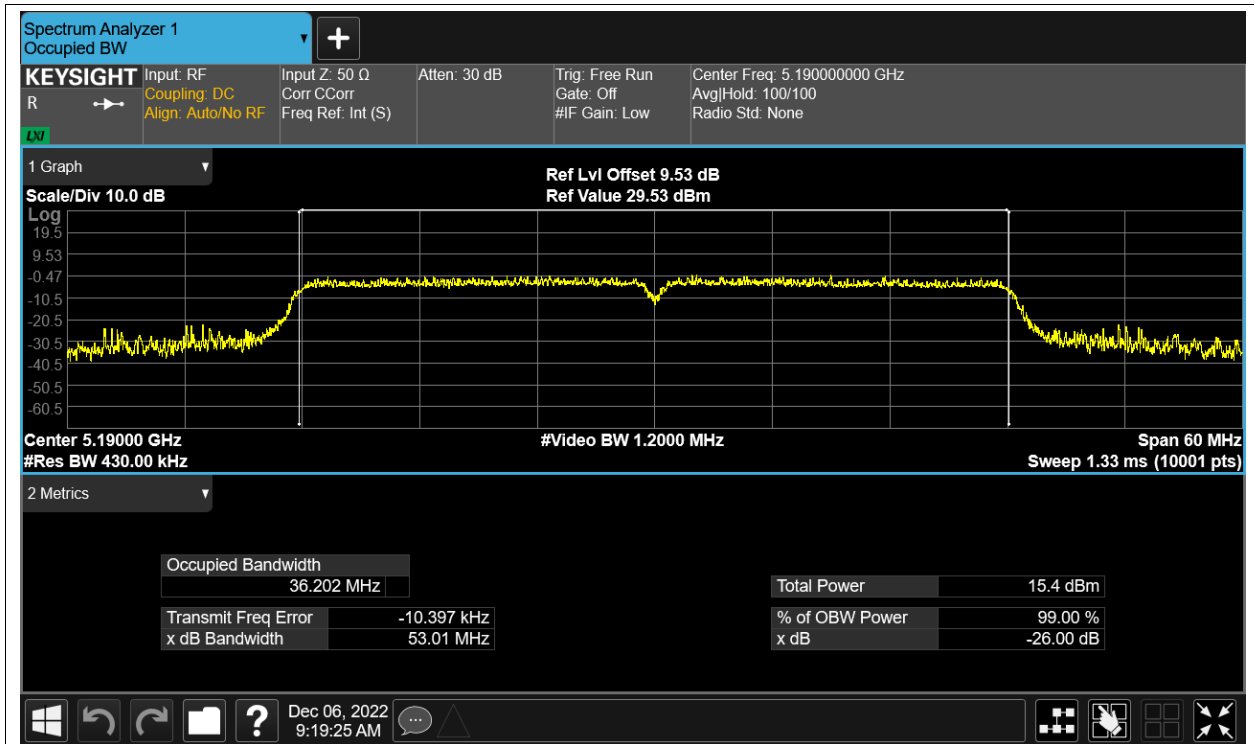
OBW NVNT ac20 5200MHz Ant1



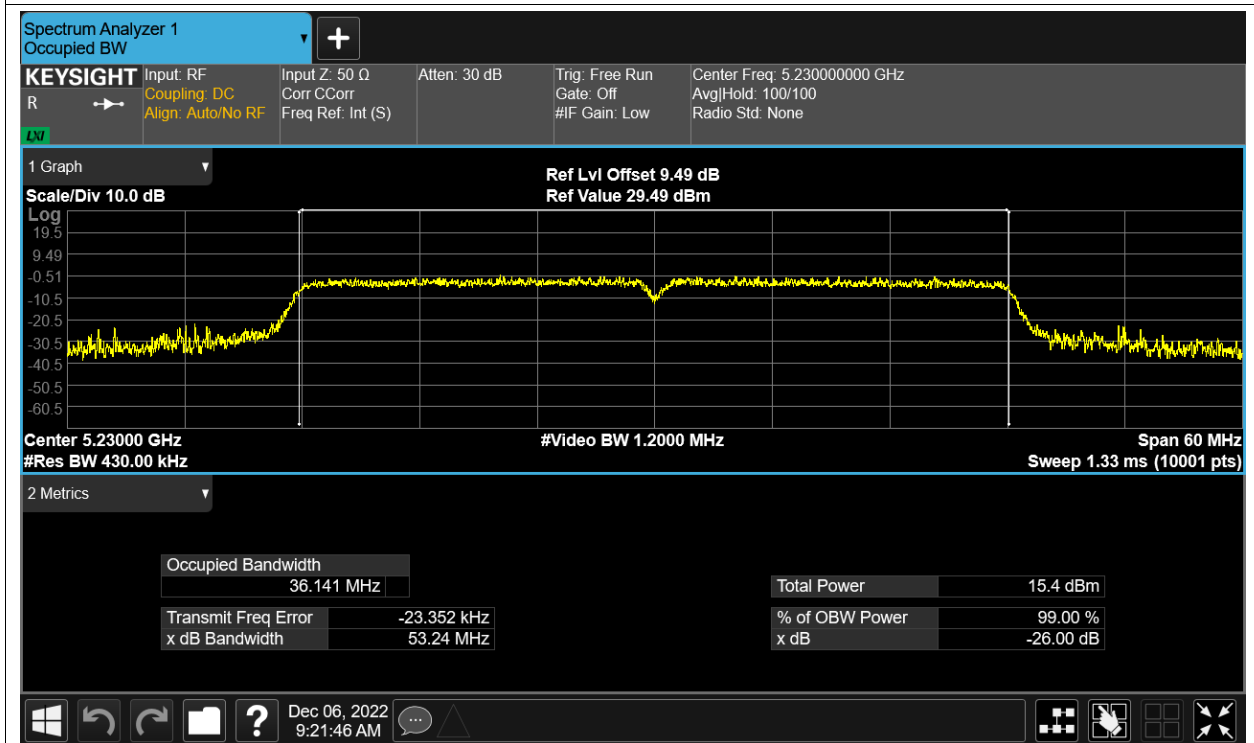
OBW NVNT ac20 5240MHz Ant1



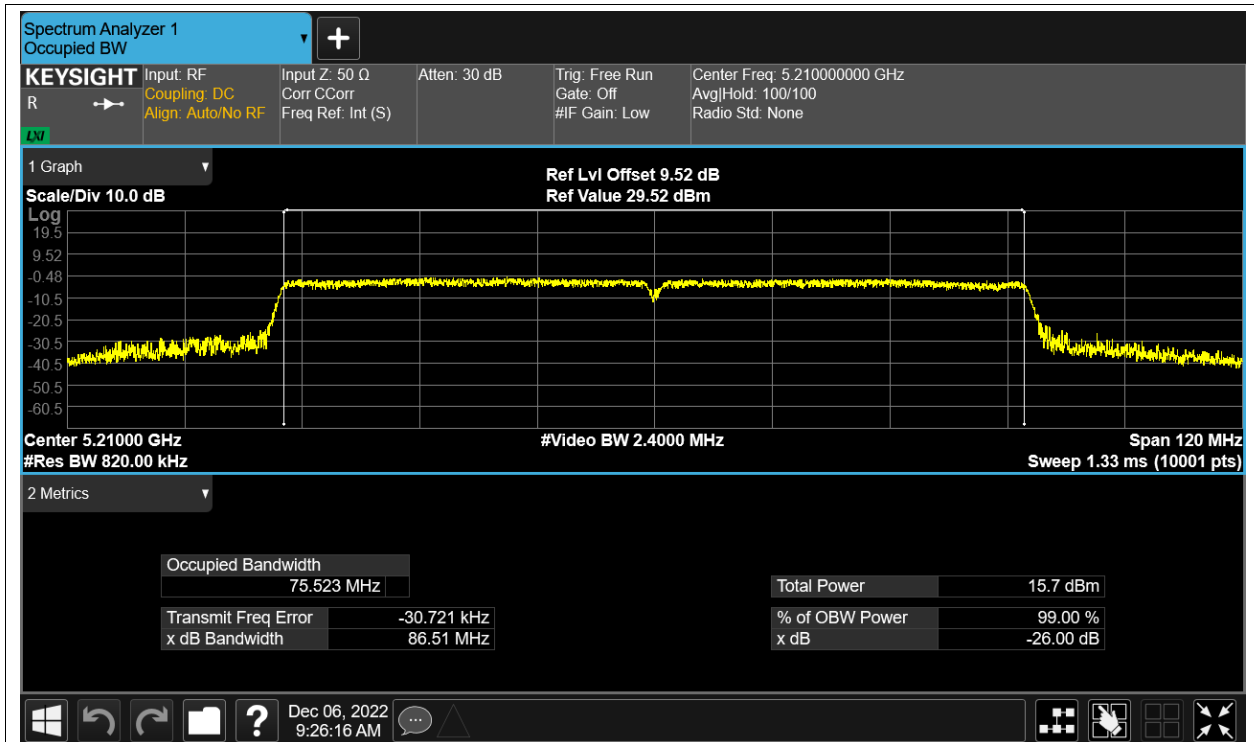
OBW NVNT ac40 5190MHz Ant1



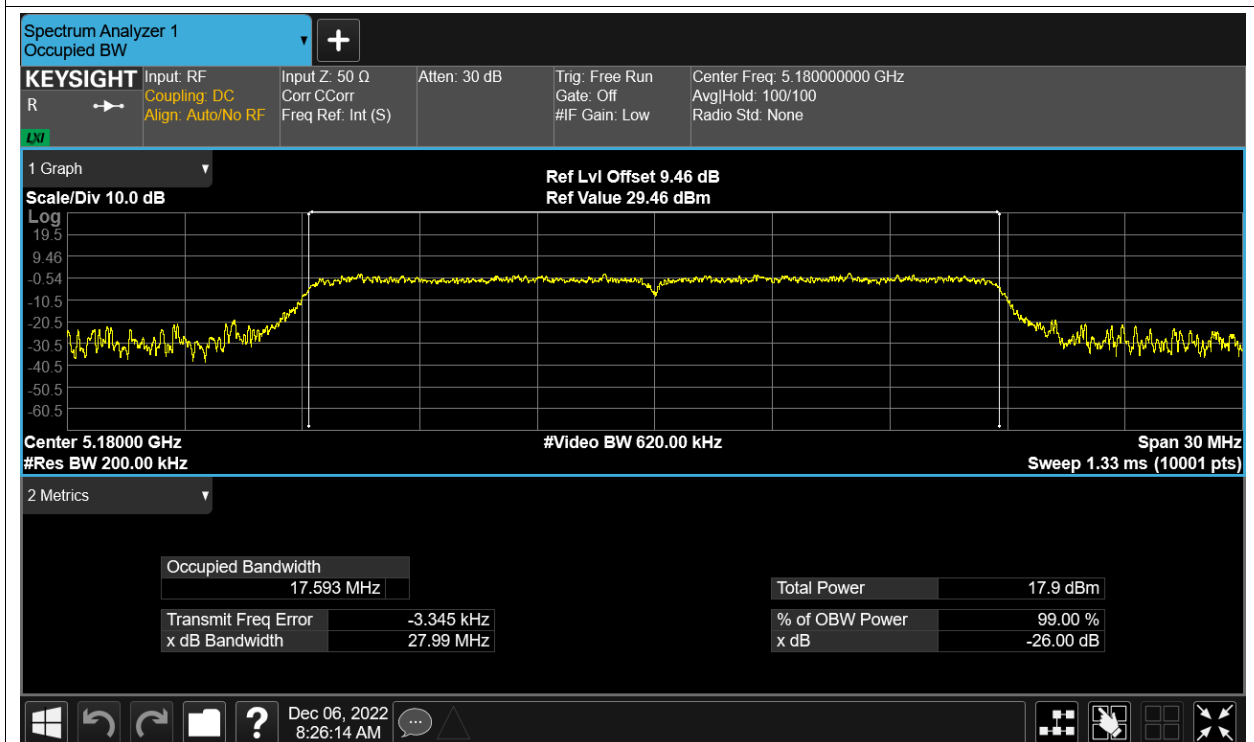
OBW NVNT ac40 5230MHz Ant1



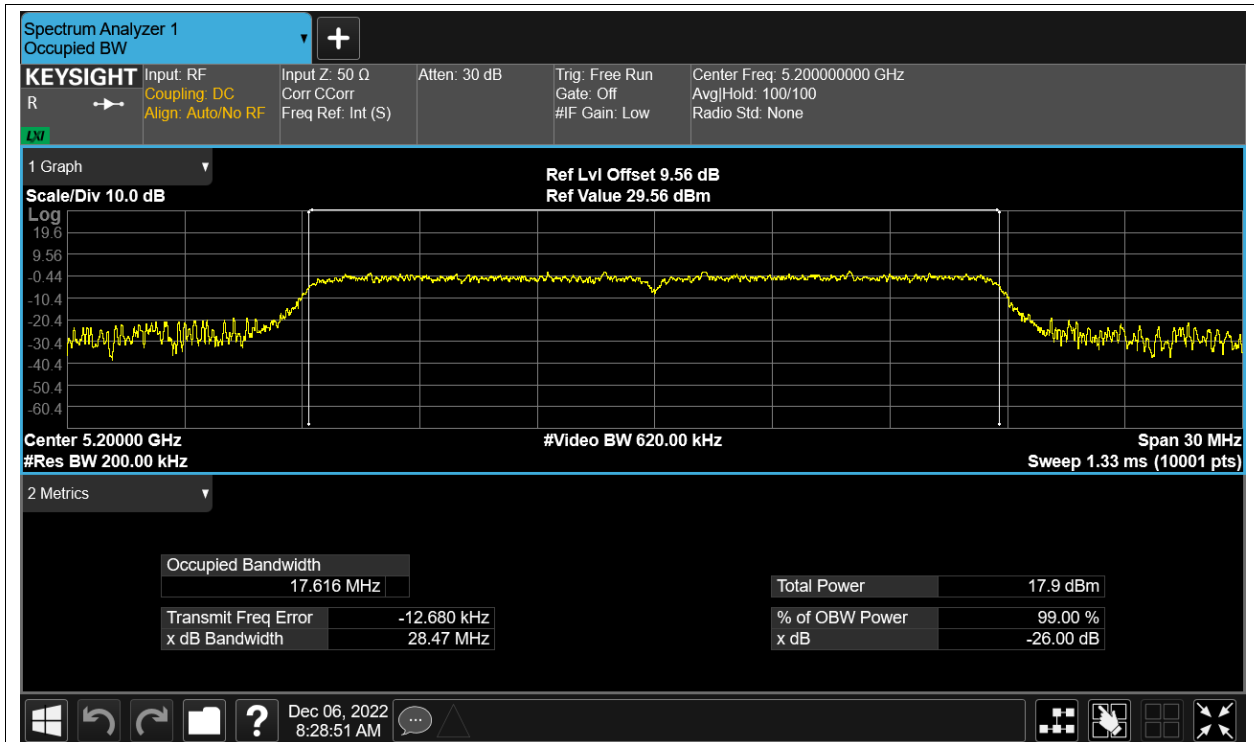
OBW NVNT ac80 5210MHz Ant1



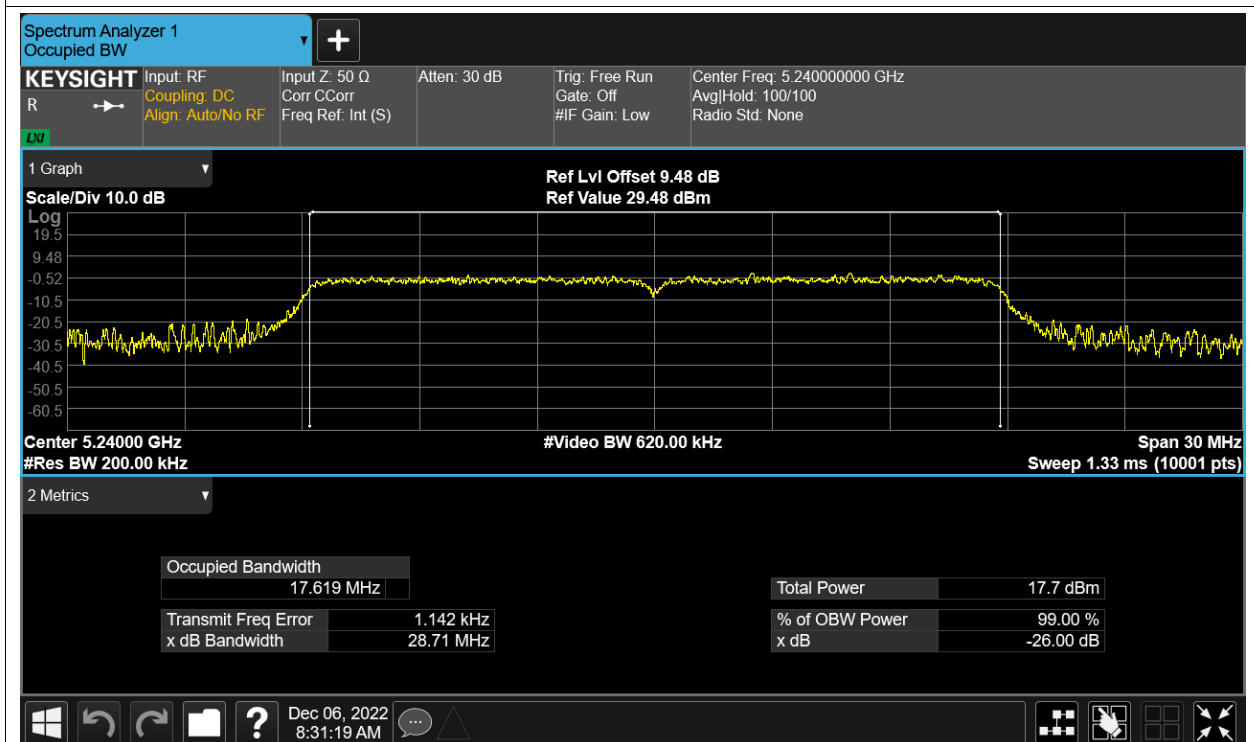
OBW NVNT n20 5180MHz Ant1



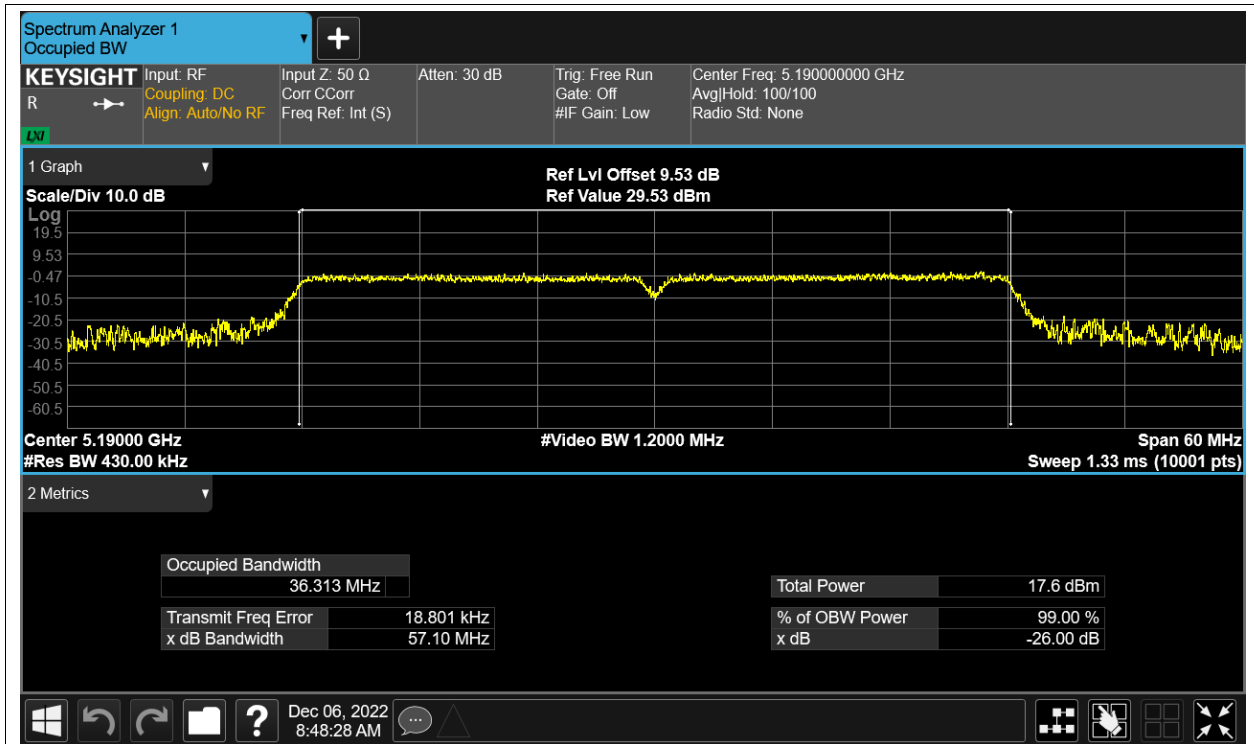
OBW NVNT n20 5200MHz Ant1



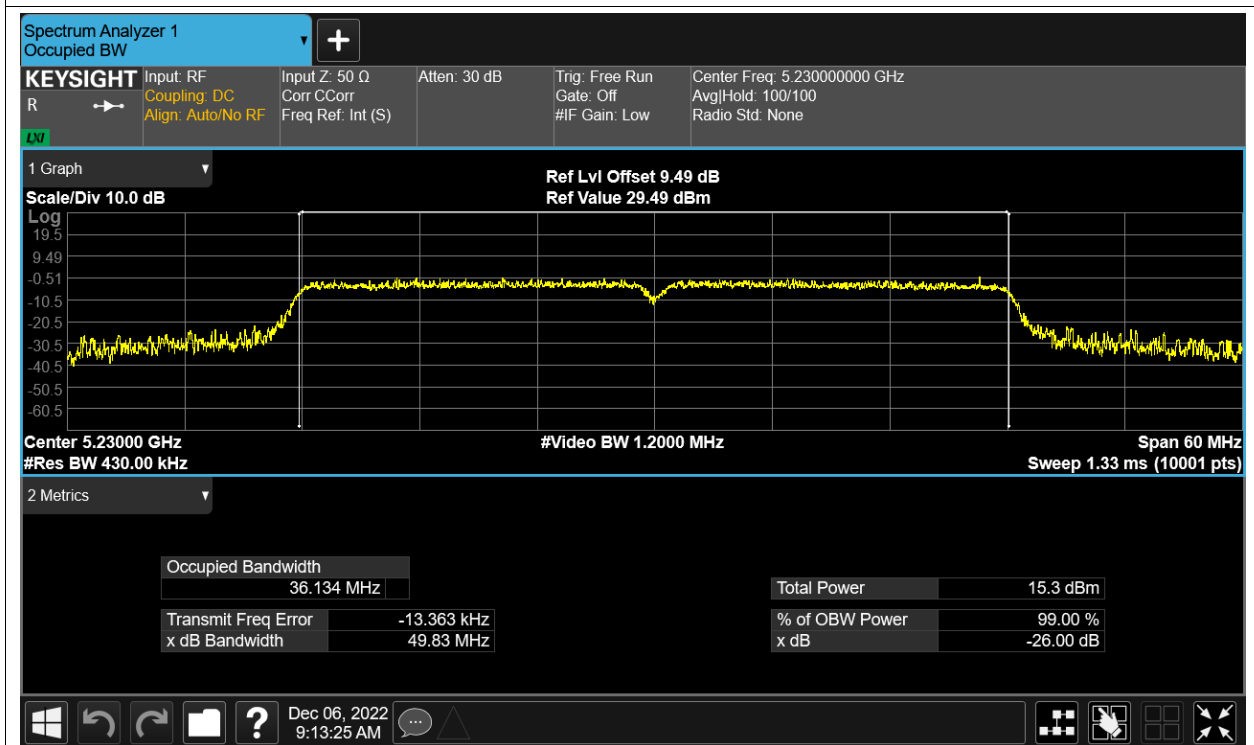
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

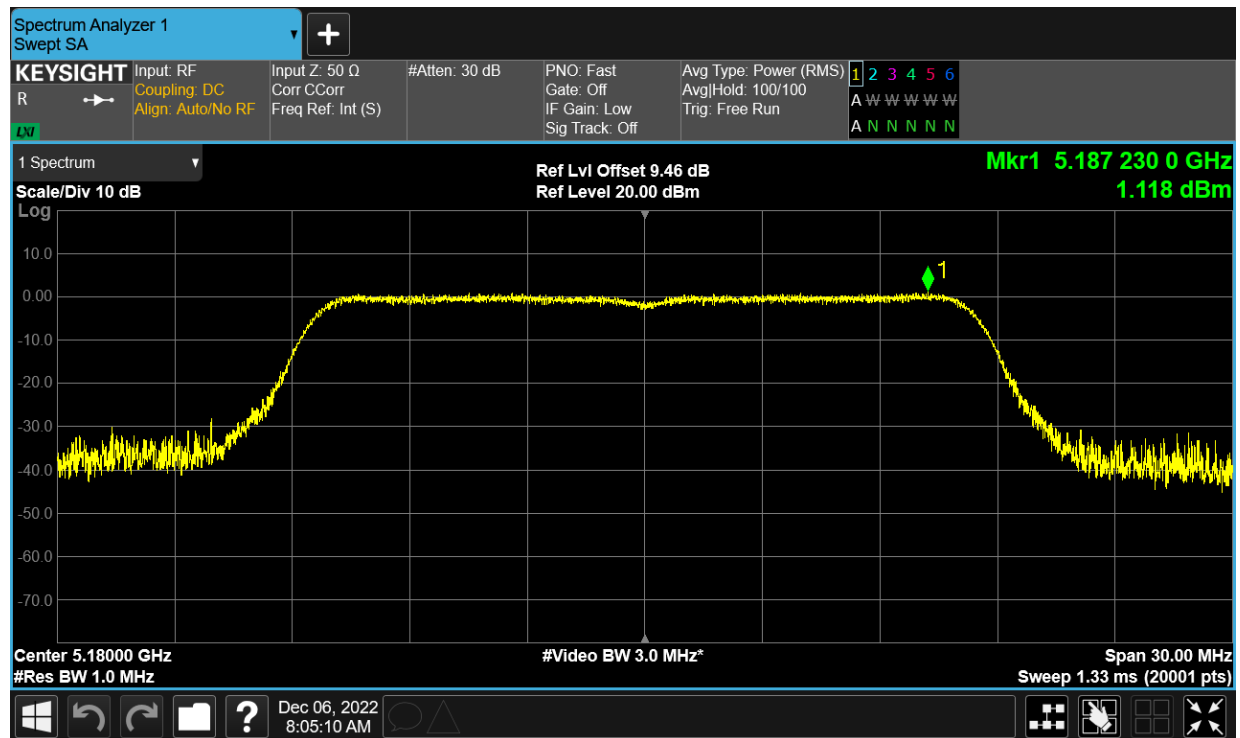


Maximum Power Spectral Density Level

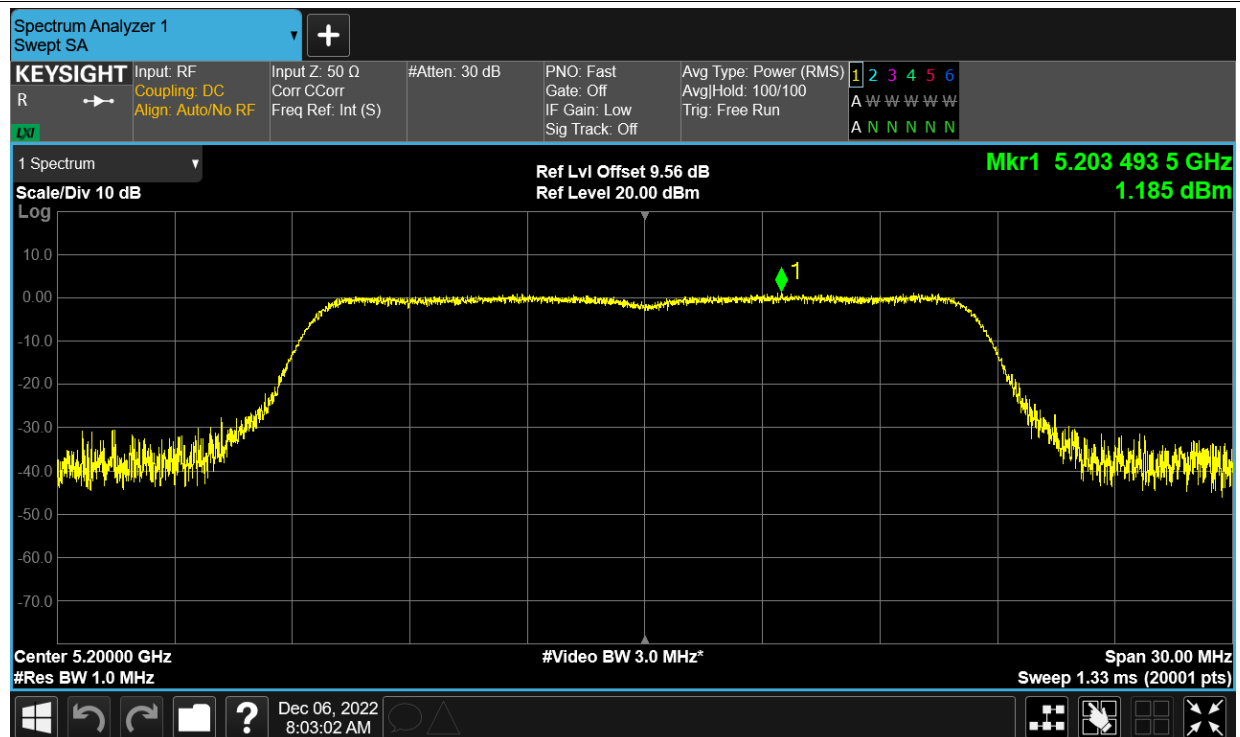
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1.118	11	Pass
NVNT	a	5200	Ant1	1.185	11	Pass
NVNT	a	5240	Ant1	1.46	11	Pass
NVNT	ac20	5180	Ant1	1.027	11	Pass
NVNT	ac20	5200	Ant1	1.502	11	Pass
NVNT	ac20	5240	Ant1	0.981	11	Pass
NVNT	ac40	5190	Ant1	-4.752	11	Pass
NVNT	ac40	5230	Ant1	-4.55	11	Pass
NVNT	ac80	5210	Ant1	-8.052	11	Pass
NVNT	n20	5180	Ant1	1.183	11	Pass
NVNT	n20	5200	Ant1	1.215	11	Pass
NVNT	n20	5240	Ant1	1.055	11	Pass
NVNT	n40	5190	Ant1	-4.721	11	Pass
NVNT	n40	5230	Ant1	-4.654	11	Pass

Test Graphs

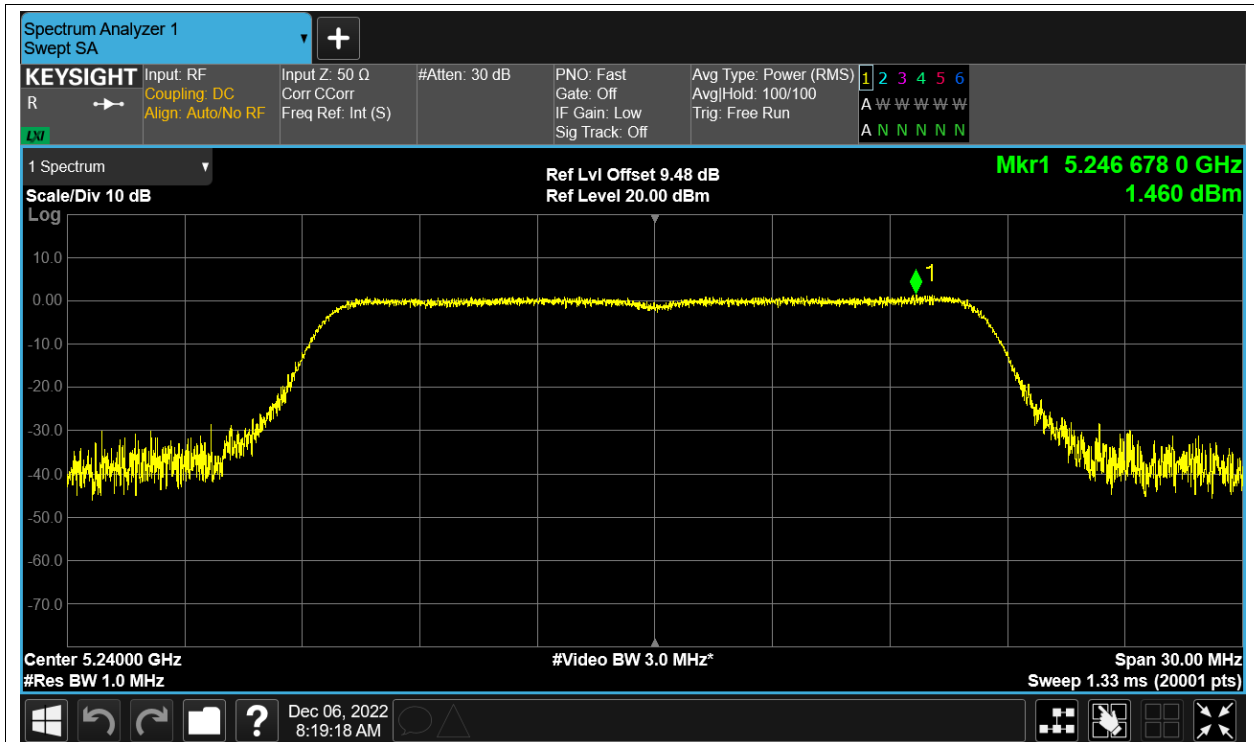
PSD NVNT a 5180MHz Ant1



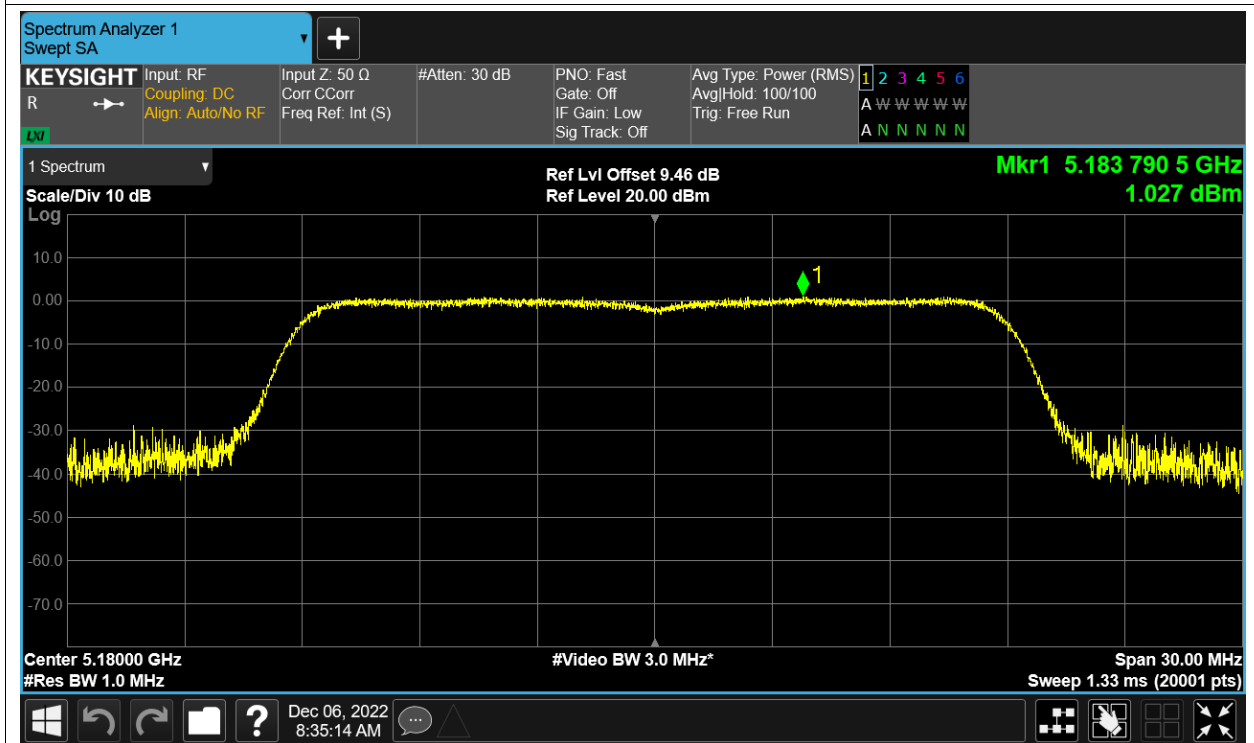
PSD NVNT a 5200MHz Ant1



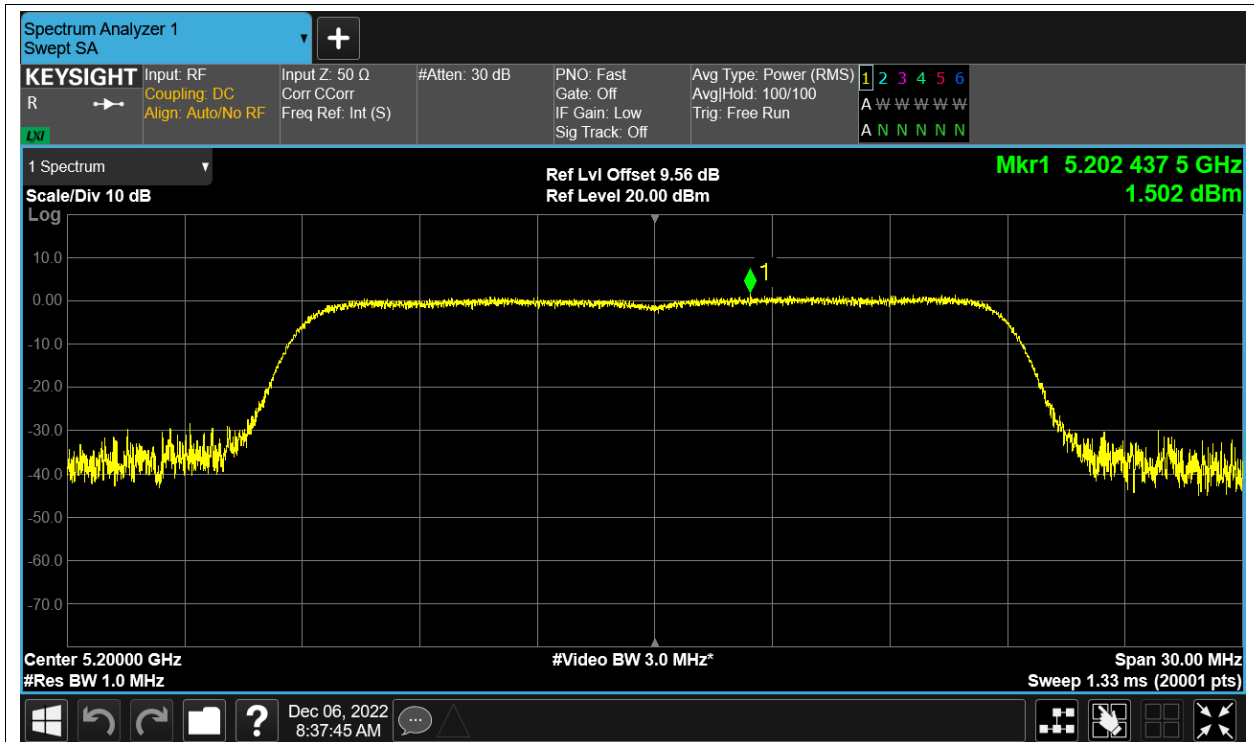
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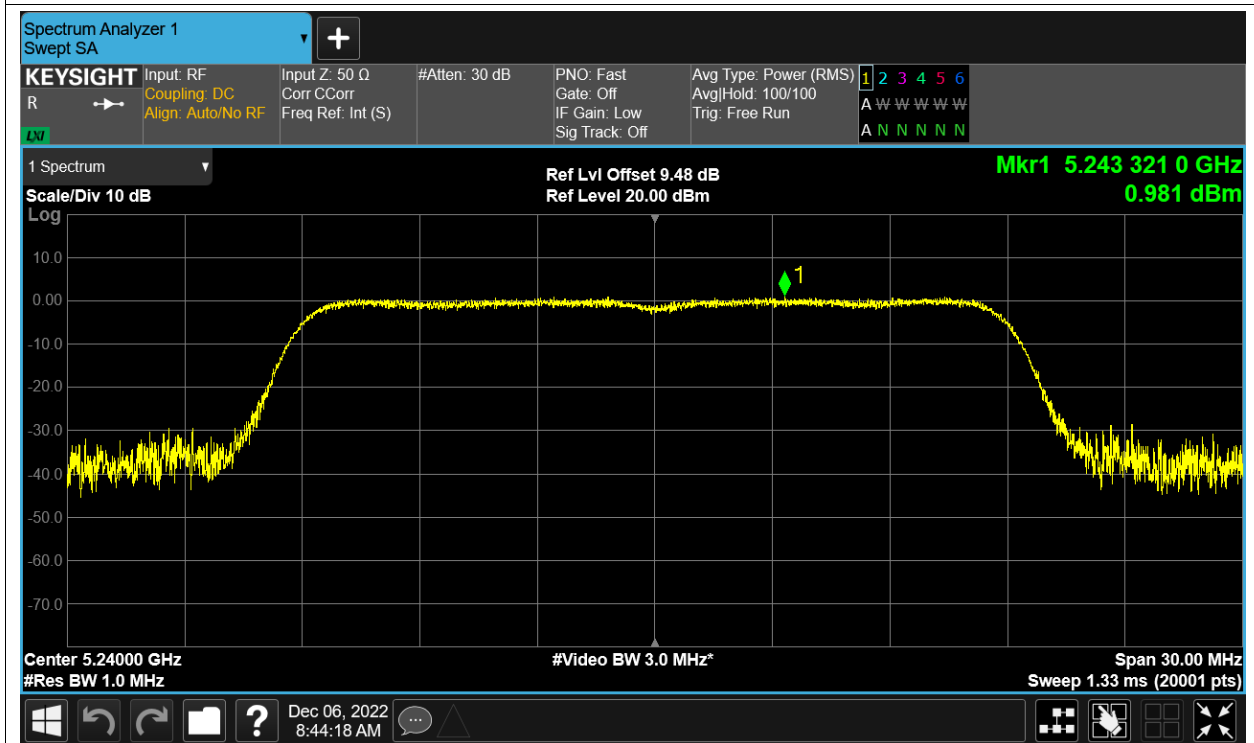
PSD NVNT ac20 5180MHz Ant1



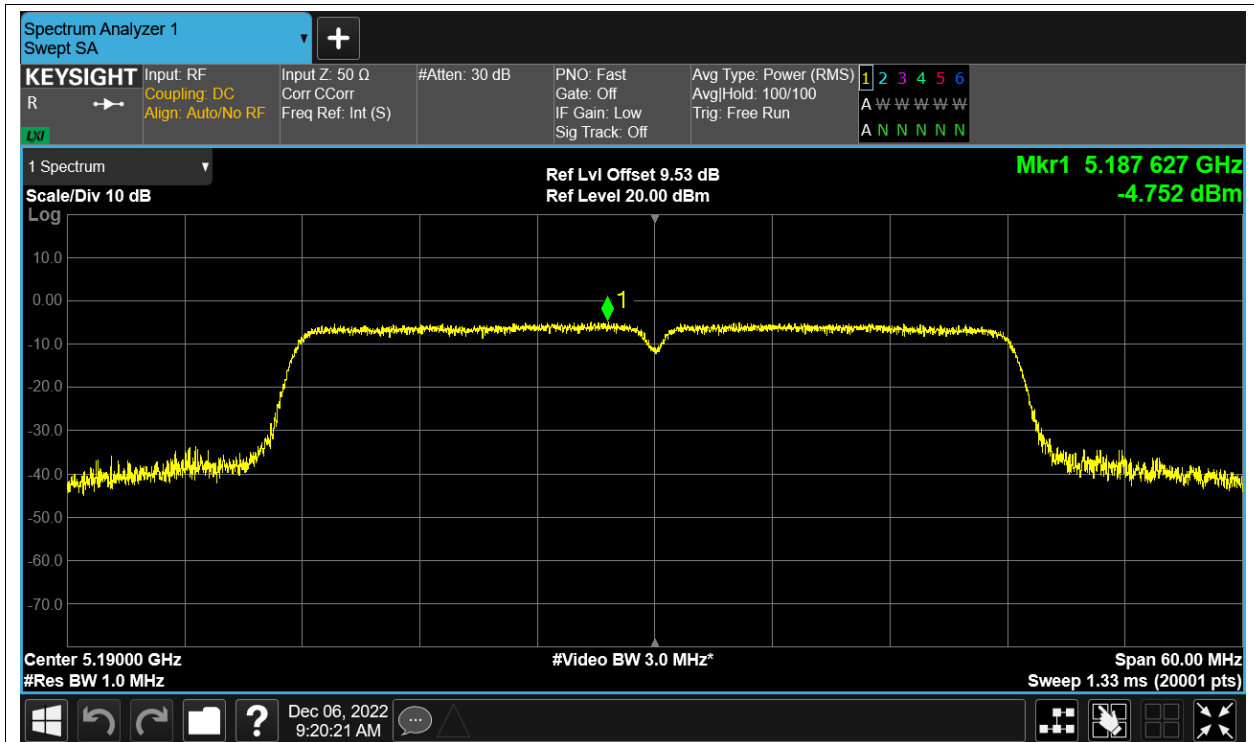
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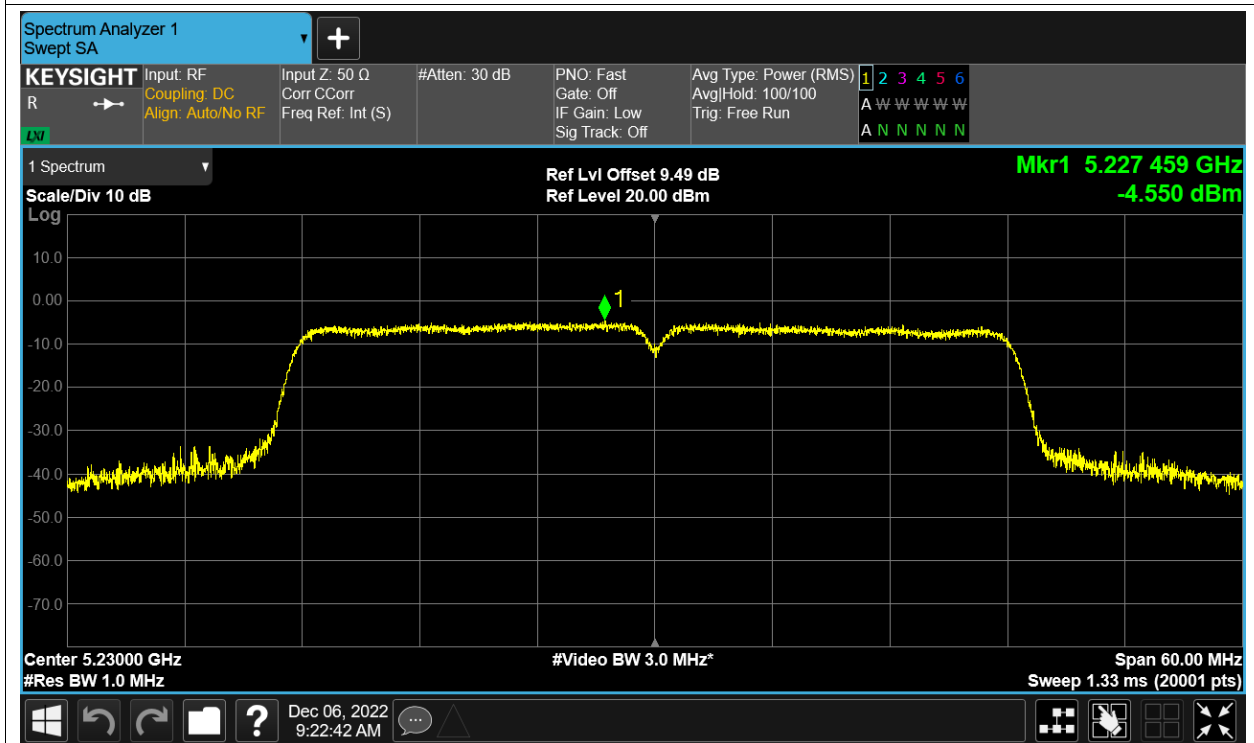
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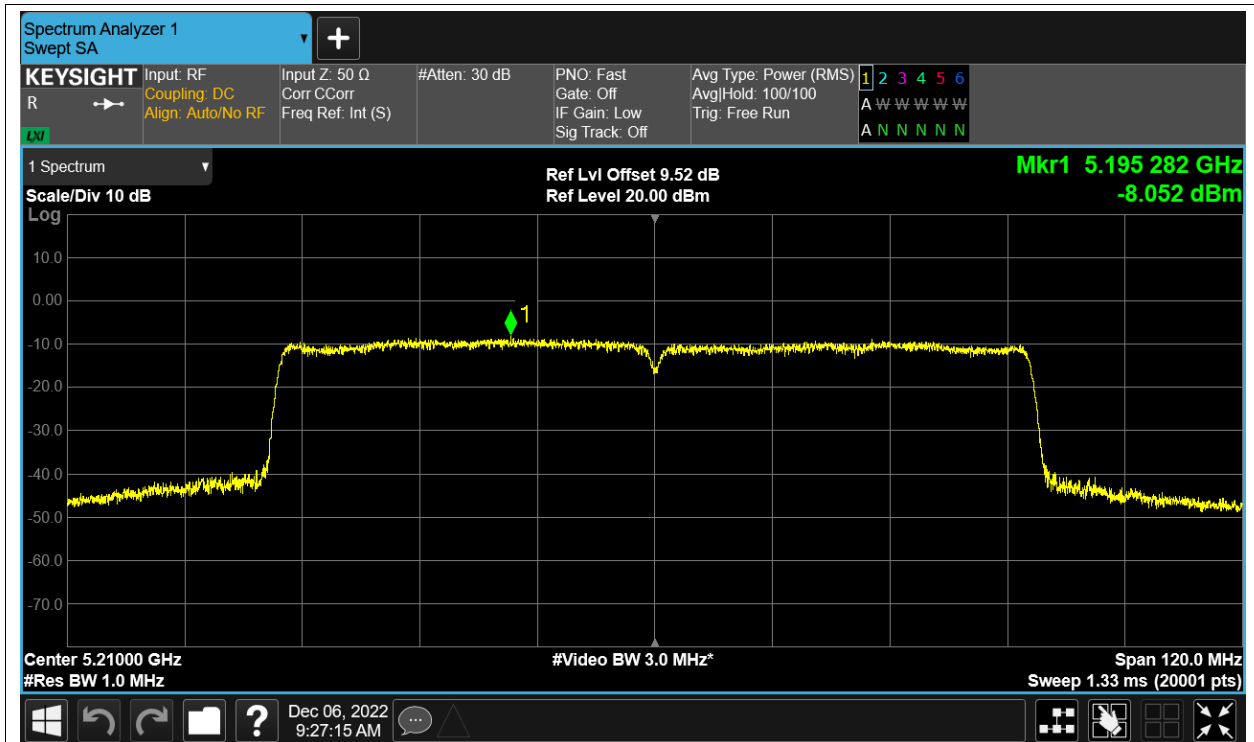
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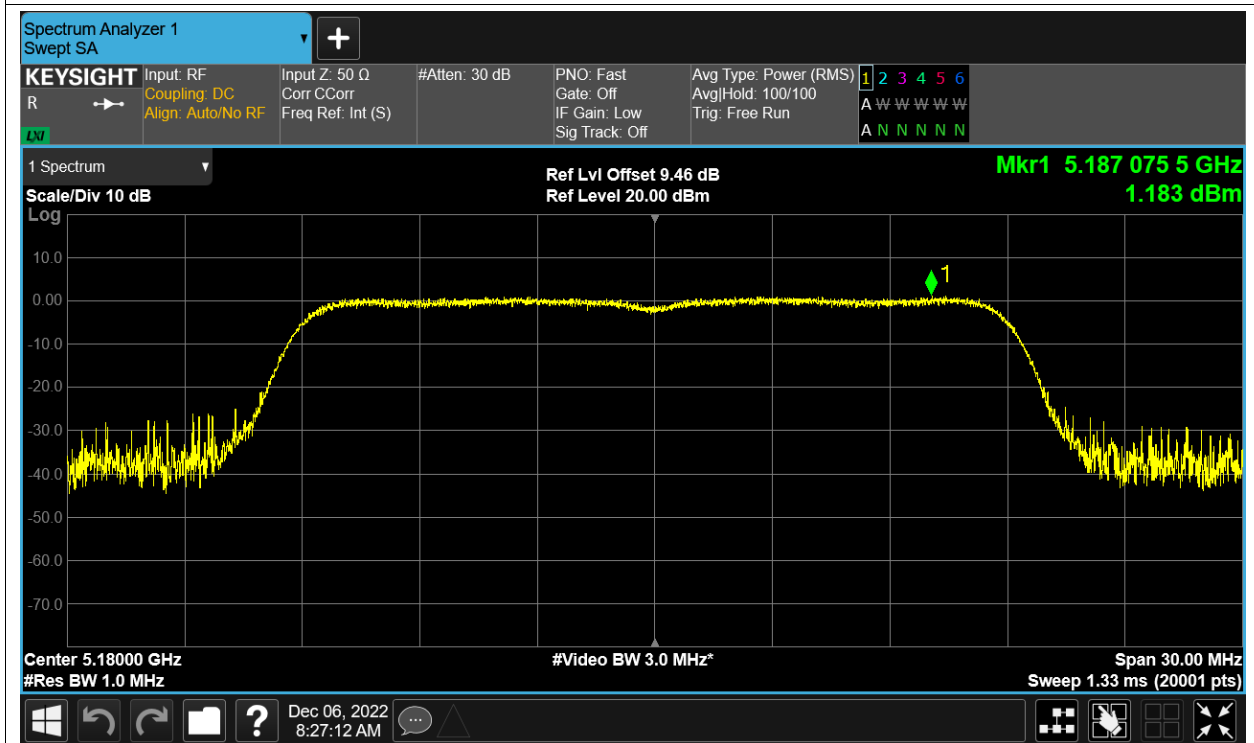
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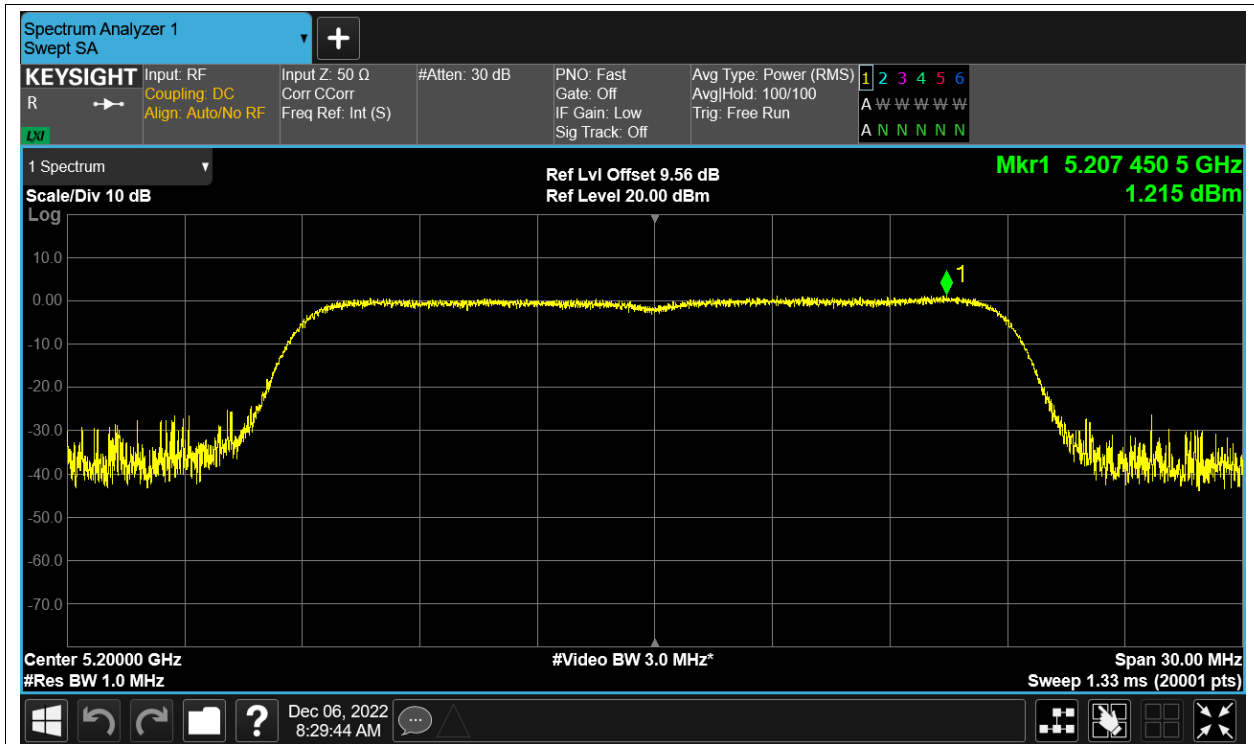
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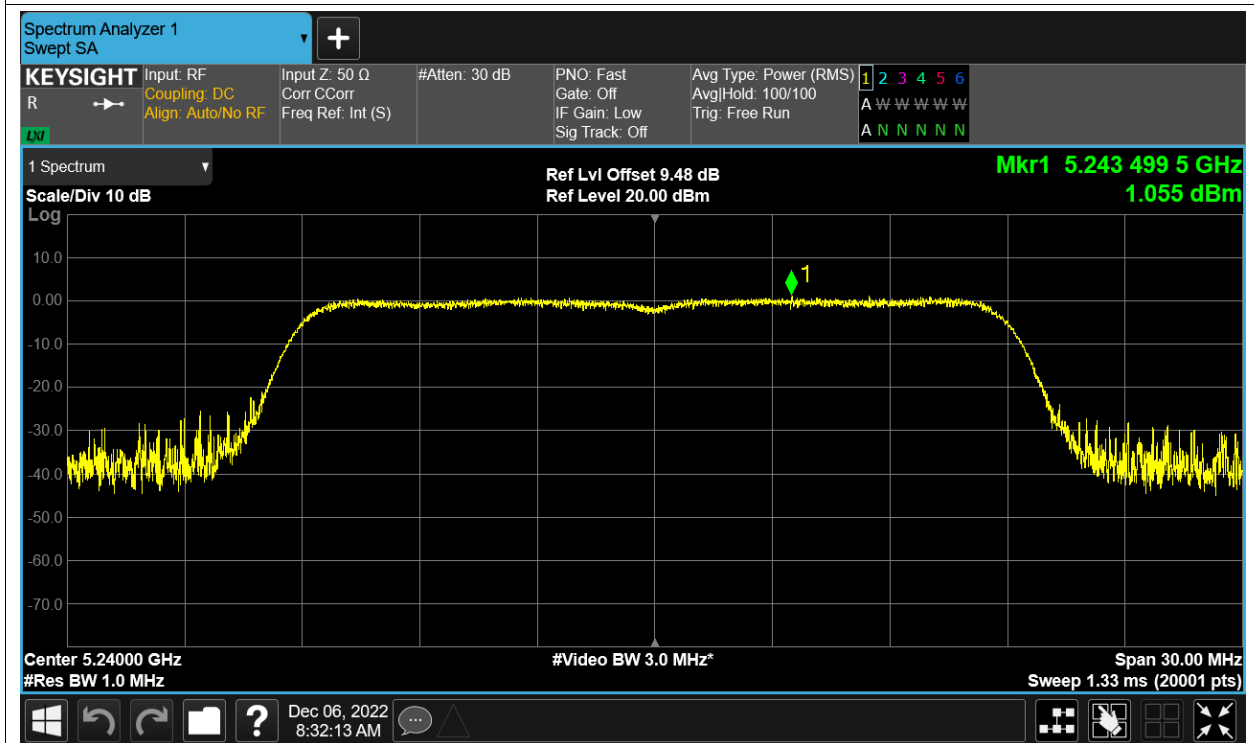
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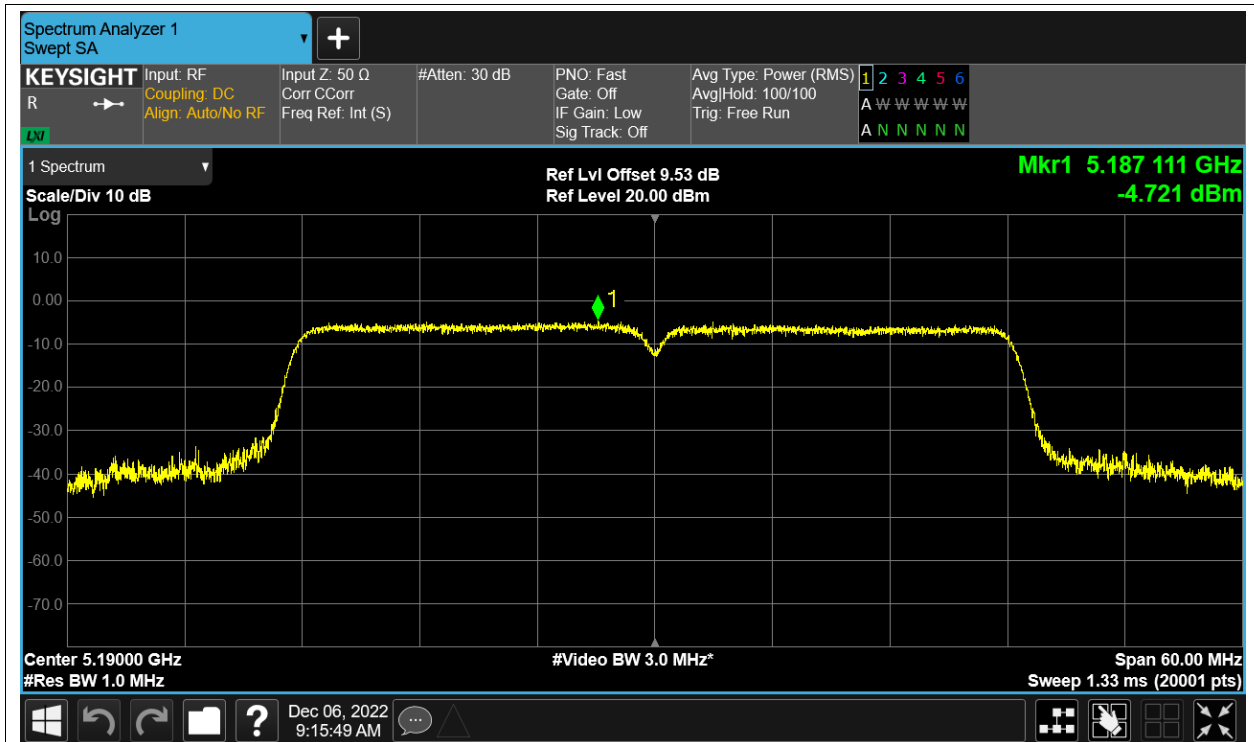
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

