

Test Data

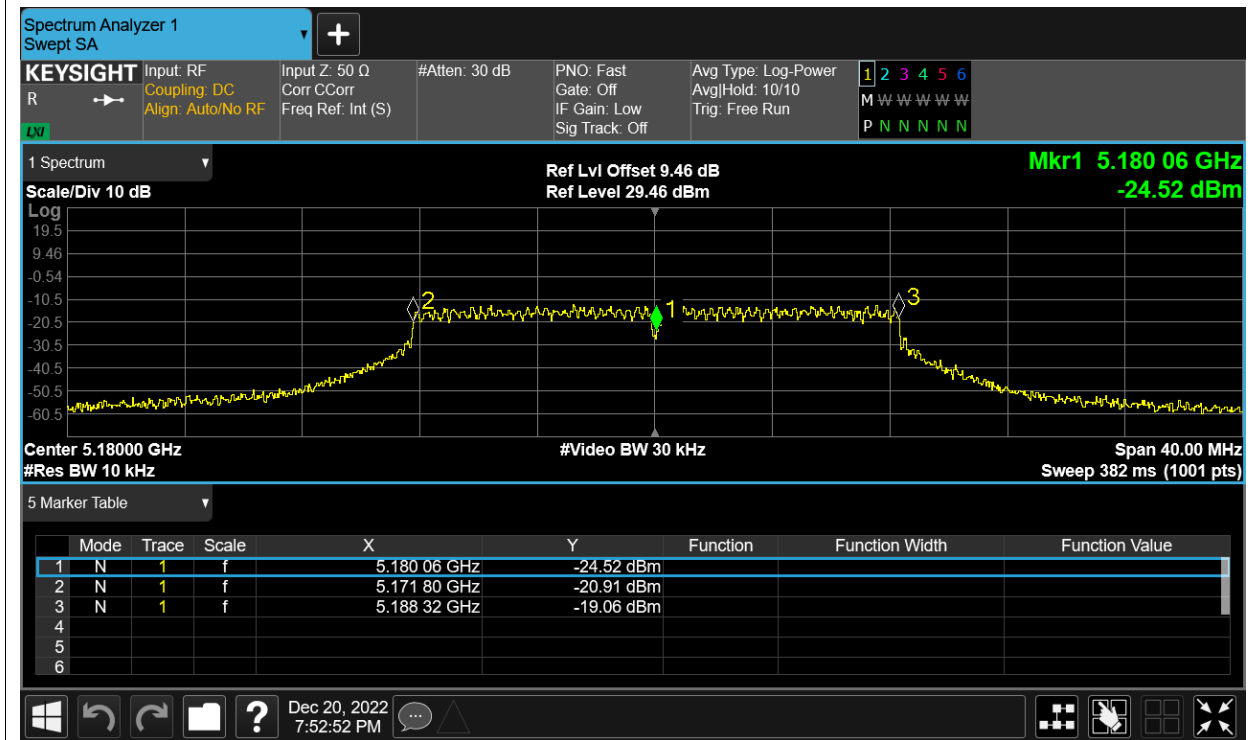
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5180.06	11.58	Within authorized band	Pass
LVNT	a	5180	Ant1	5180.06	11.58		Pass
NVHT	a	5180	Ant1	5180.06	11.58		Pass
NVLT	a	5180	Ant1	5180.06	11.58		Pass
NVNT	a	5180	Ant1	5180.06	11.58		Pass
HVNT	n40	5190	Ant1	5190.08	15.41		Pass
LVNT	n40	5190	Ant1	5190.08	15.41		Pass
NVHT	n40	5190	Ant1	5190.08	15.41		Pass
NVLT	n40	5190	Ant1	5190.08	15.41		Pass
NVNT	n40	5190	Ant1	5190.08	15.41		Pass

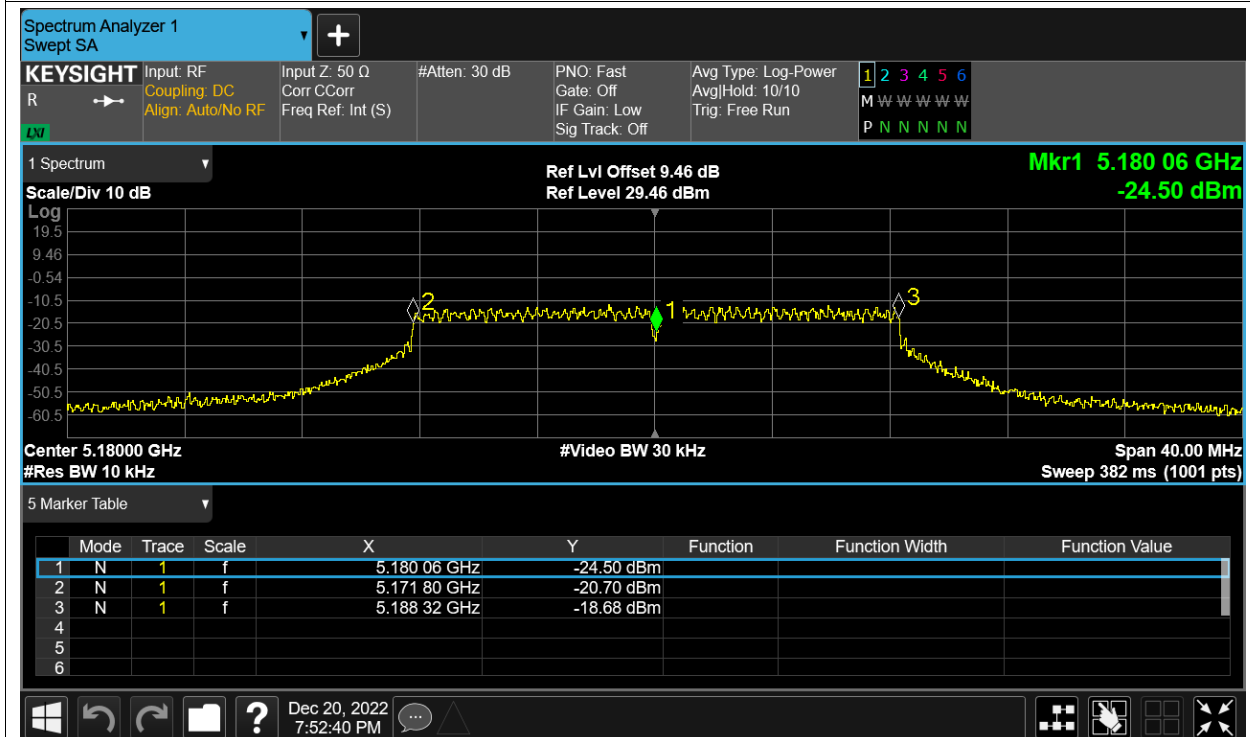
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

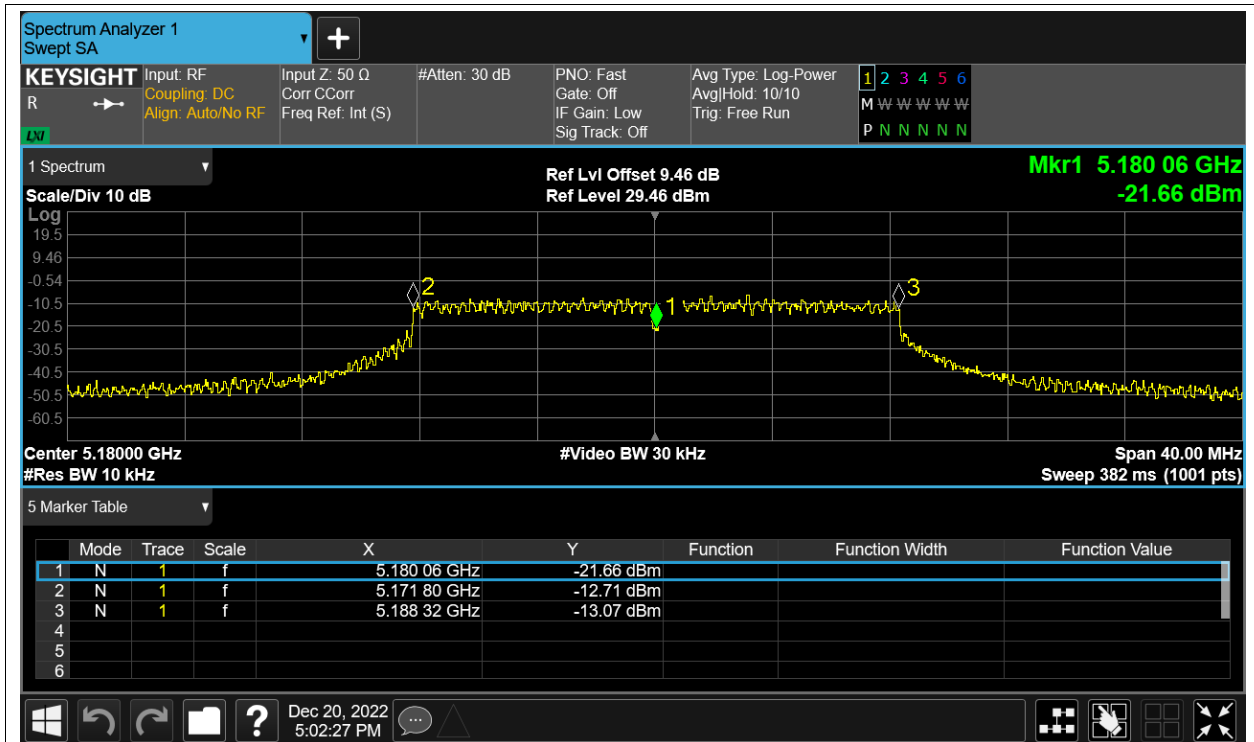
Freq. Stability HVNT a 5180MHz Ant1



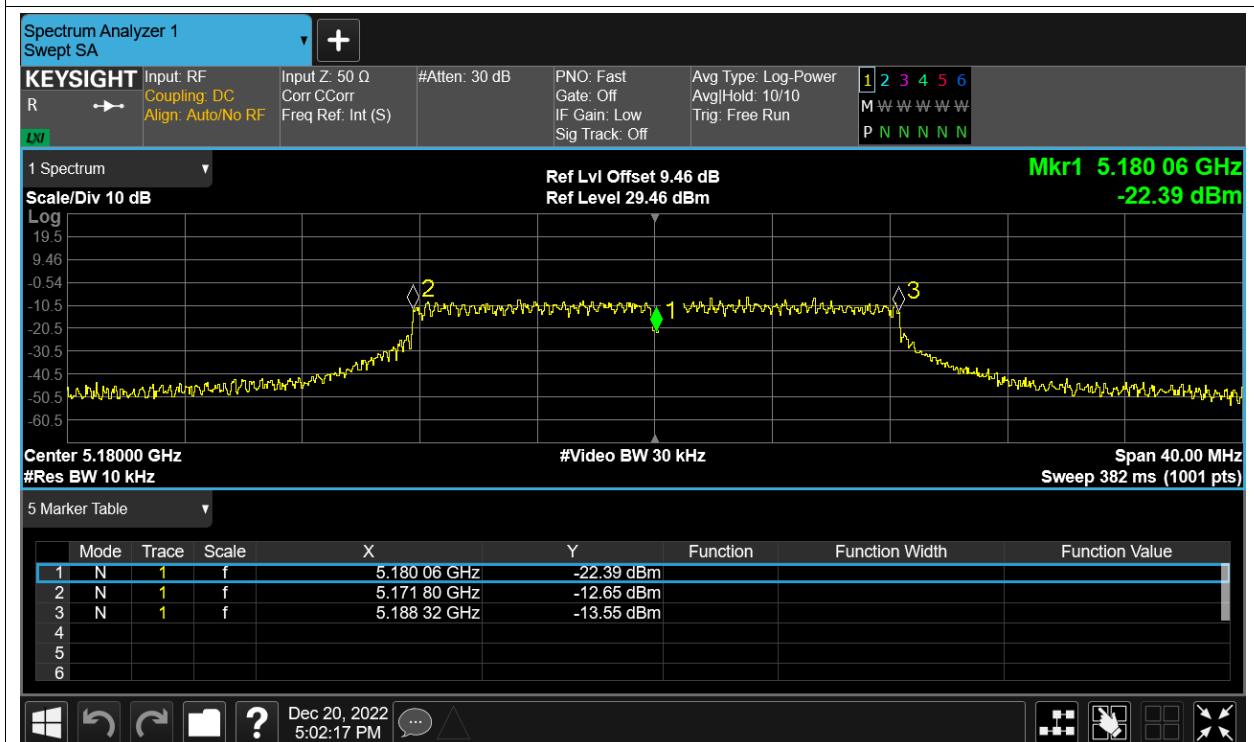
Freq. Stability LVNT a 5180MHz Ant1



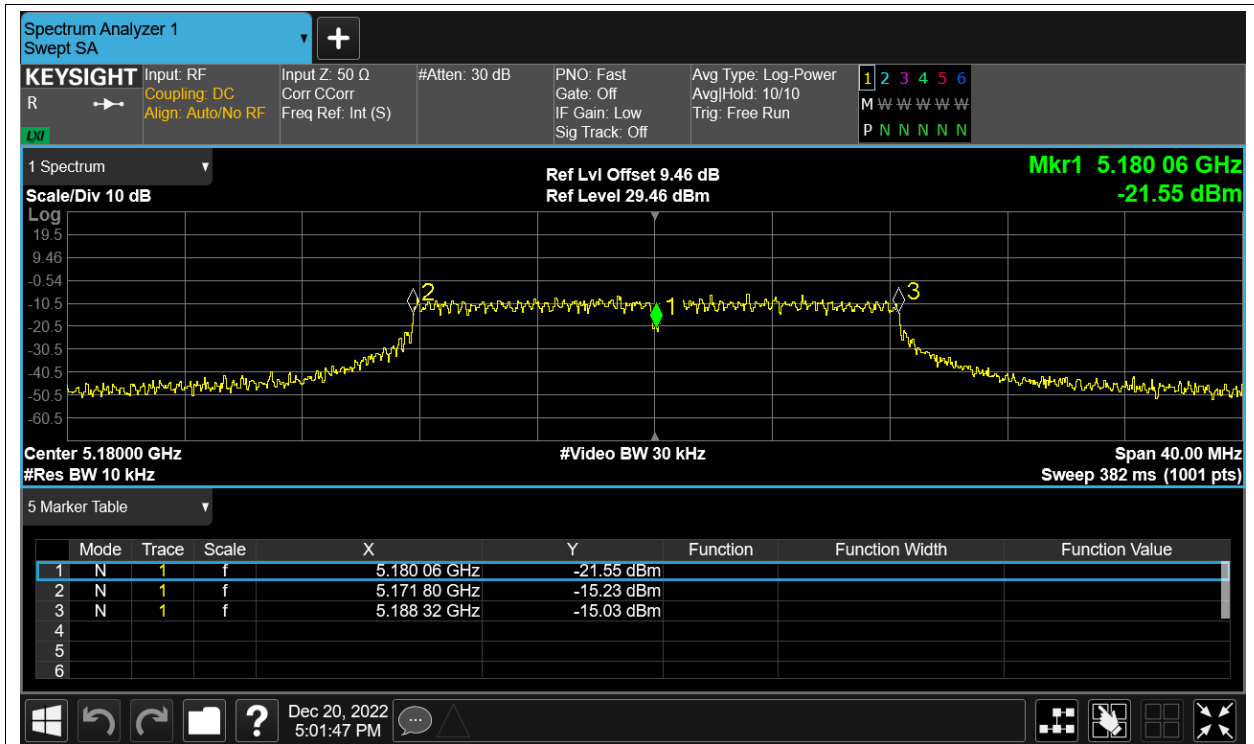
Freq. Stability NVHT a 5180MHz Ant1



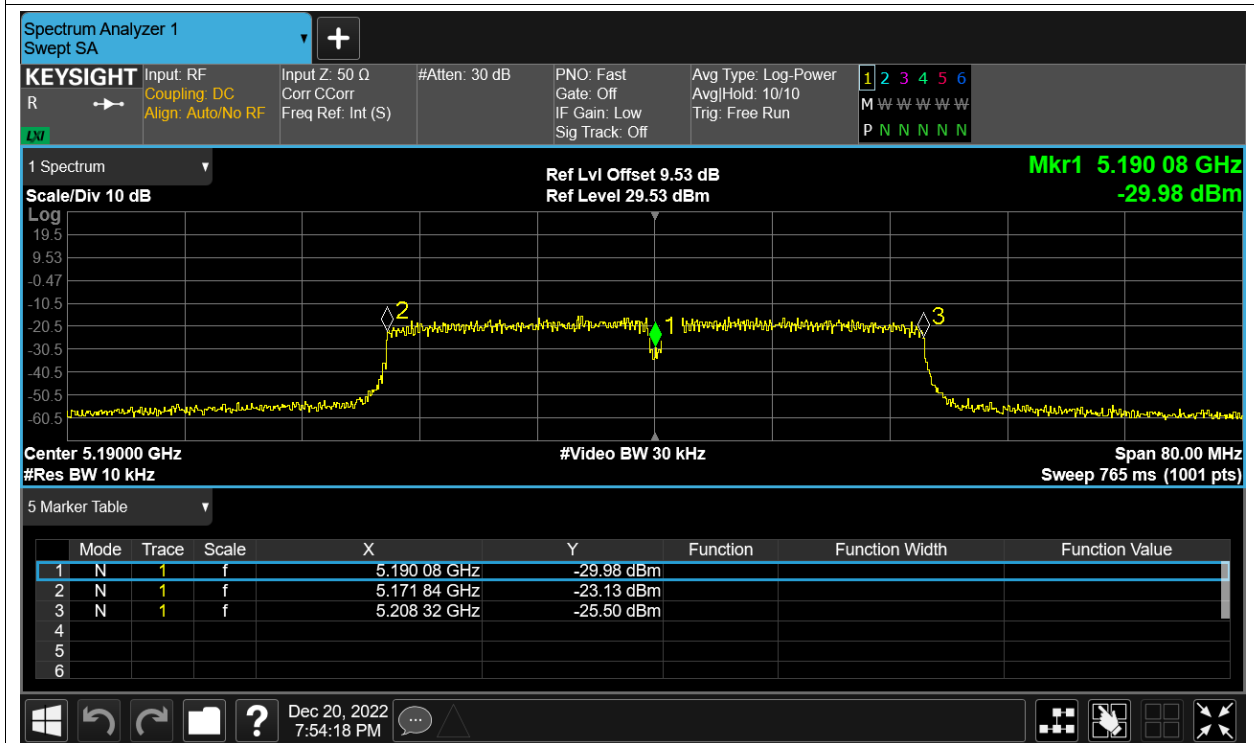
Freq. Stability NVLT a 5180MHz Ant1



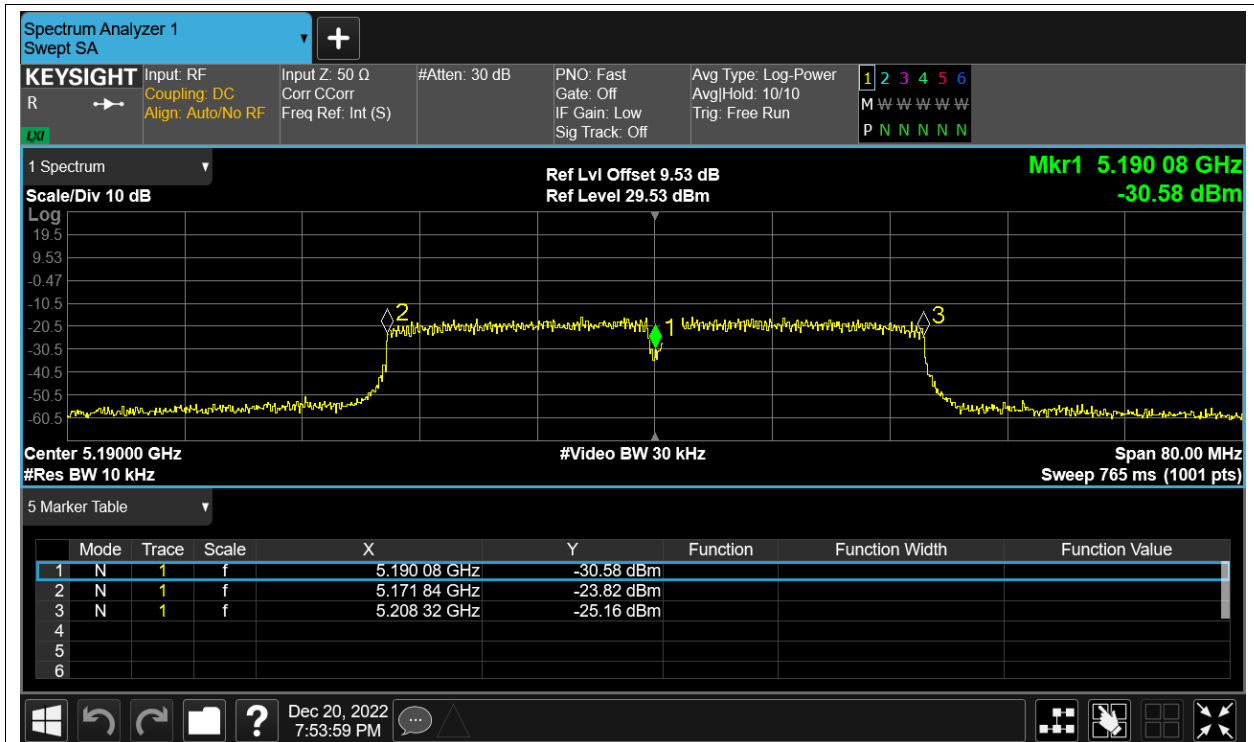
Freq. Stability NVNT a 5180MHz Ant1



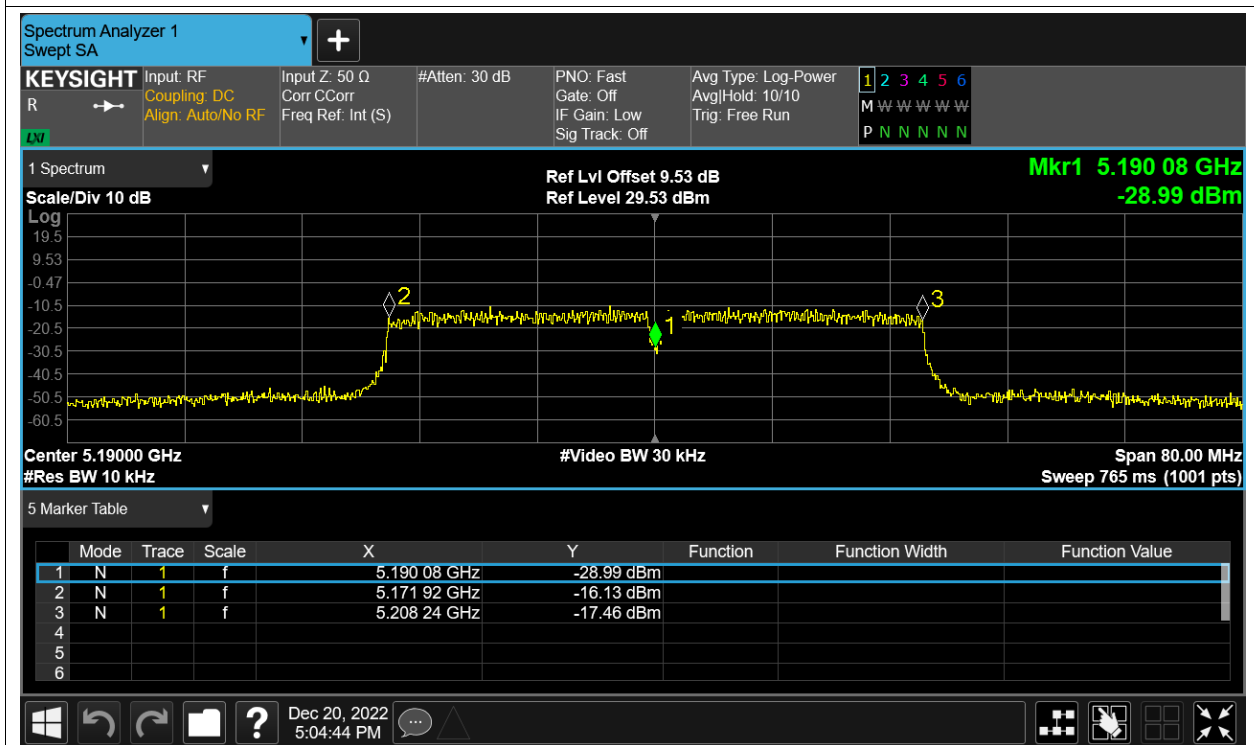
Freq. Stability HVNT n40 5190MHz Ant1



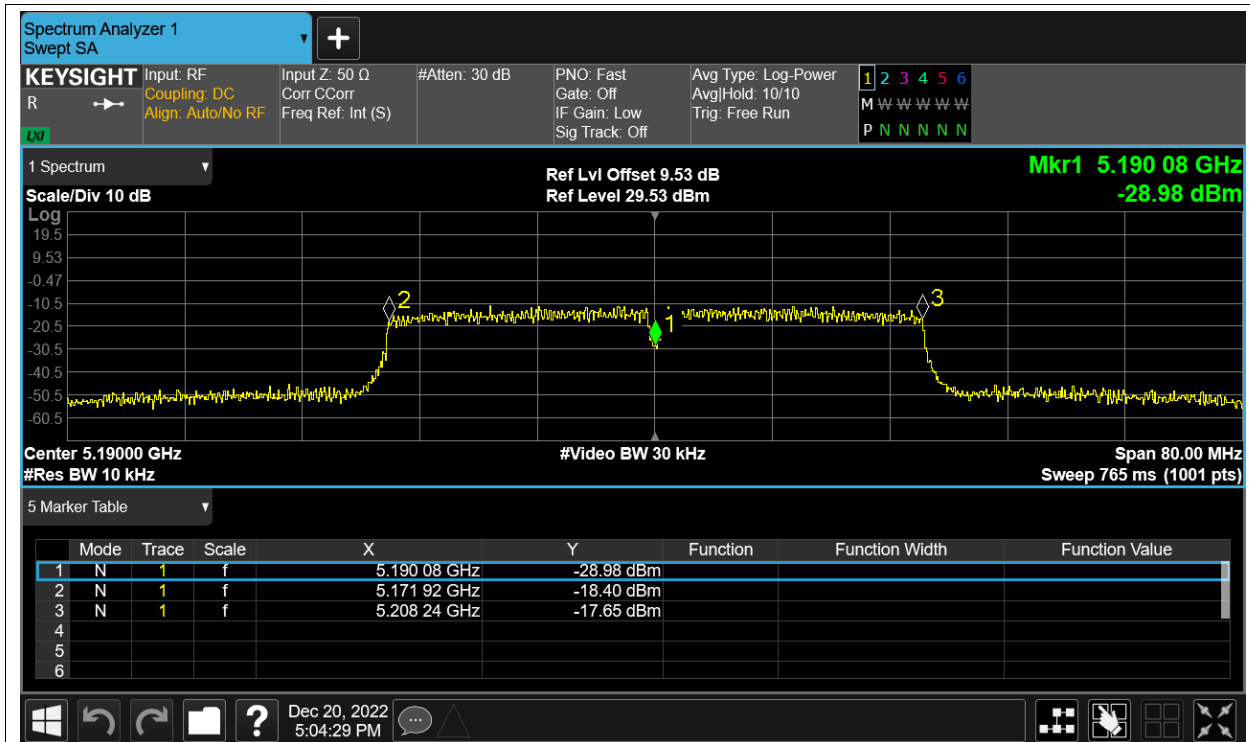
Freq. Stability LVNT n40 5190MHz Ant1



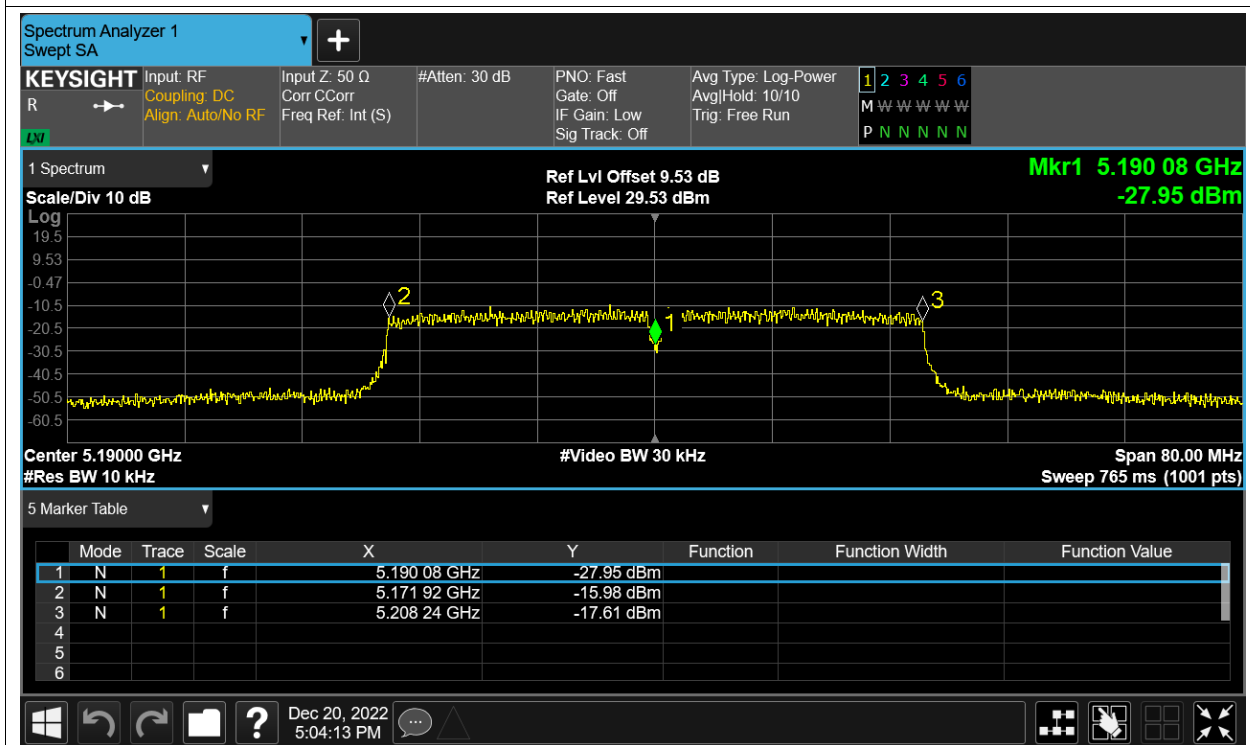
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

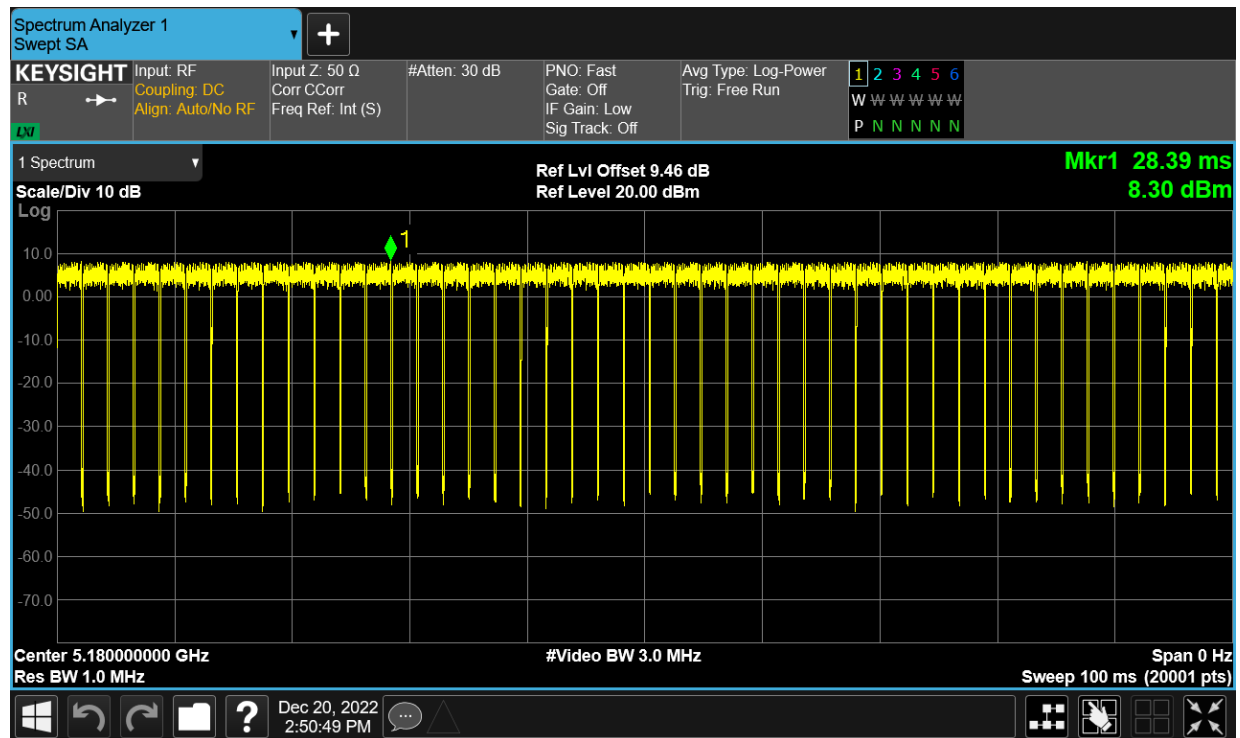


Duty Cycle

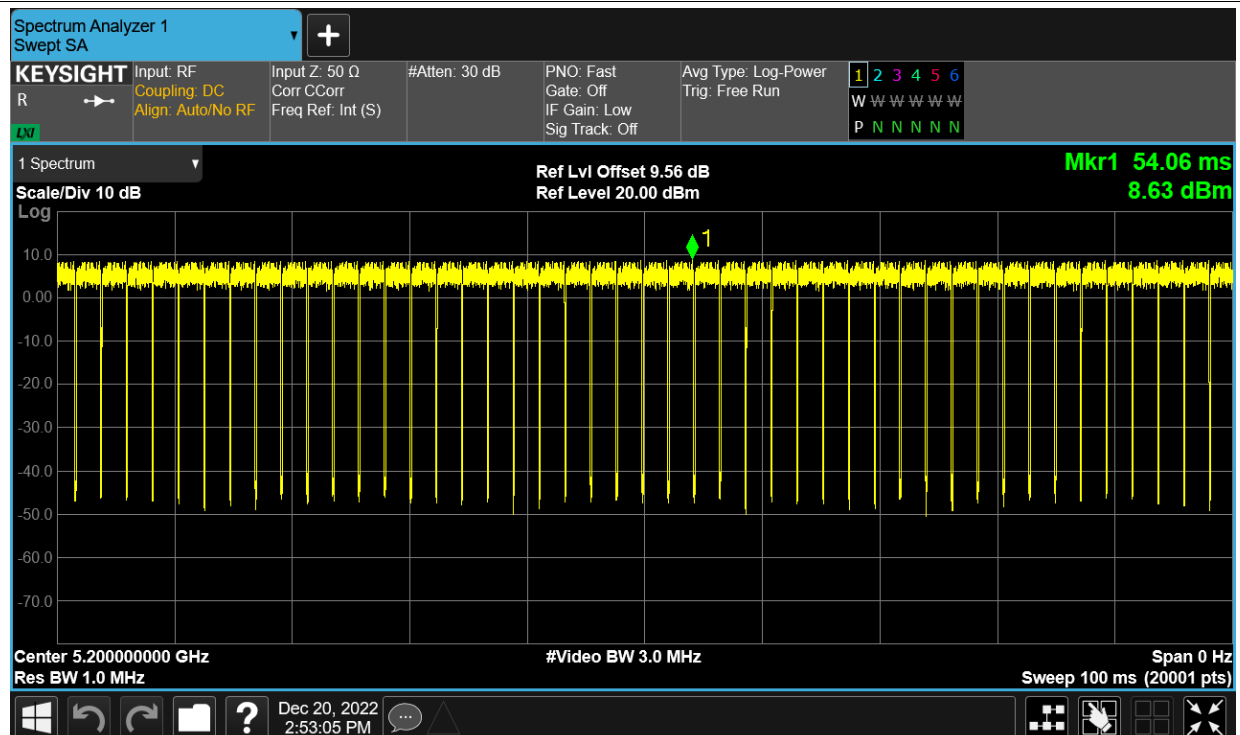
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	94.53	0.24
NVNT	a	5200	Ant1	94.51	0.25
NVNT	a	5240	Ant1	94.33	0.25
NVNT	n20	5180	Ant1	93.98	0.27
NVNT	n20	5200	Ant1	93.96	0.27
NVNT	n20	5240	Ant1	93.92	0.27
NVNT	n40	5190	Ant1	88.62	0.52
NVNT	n40	5230	Ant1	88.55	0.53

Test Graphs

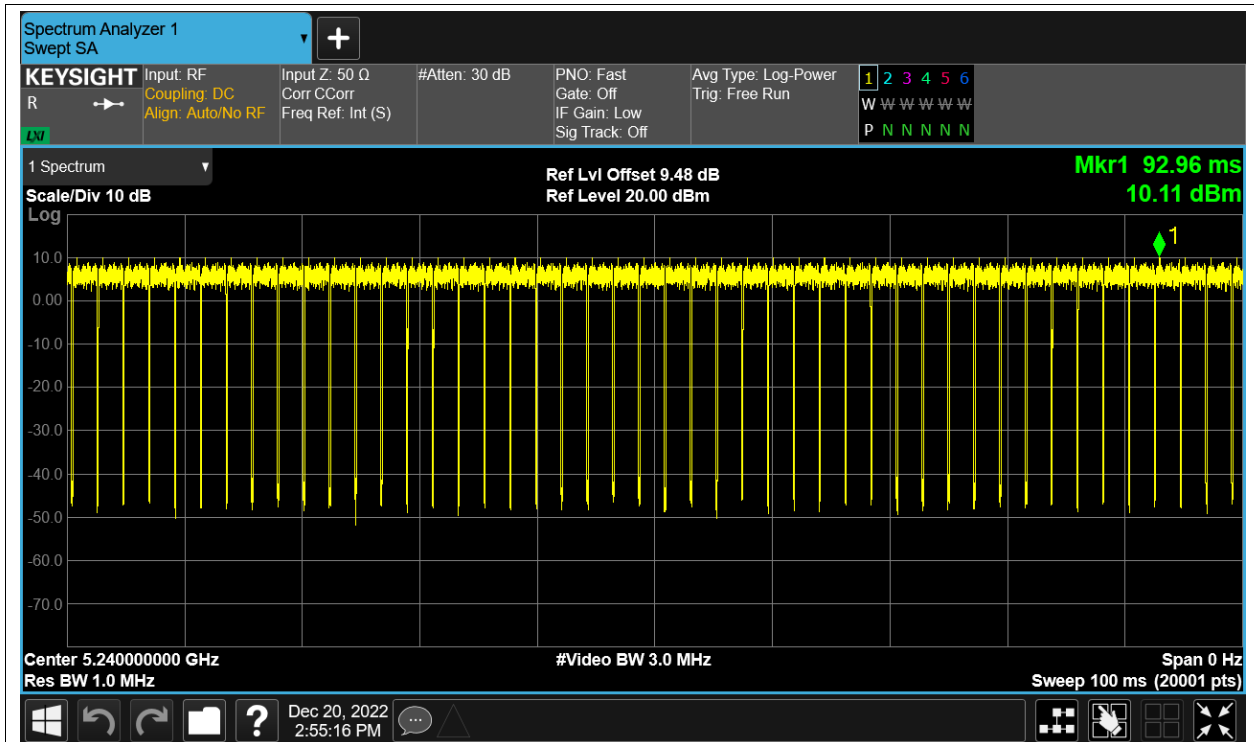
Duty Cycle NVNT a 5180MHz Ant1



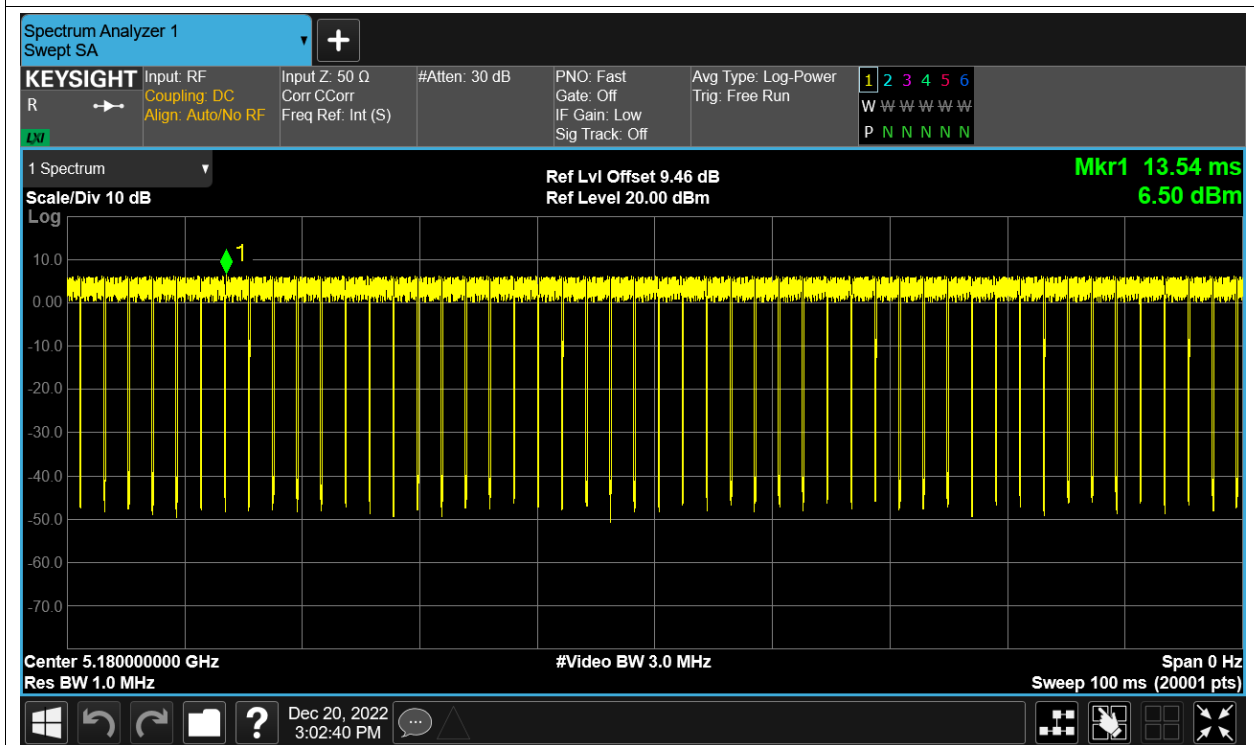
Duty Cycle NVNT a 5200MHz Ant1



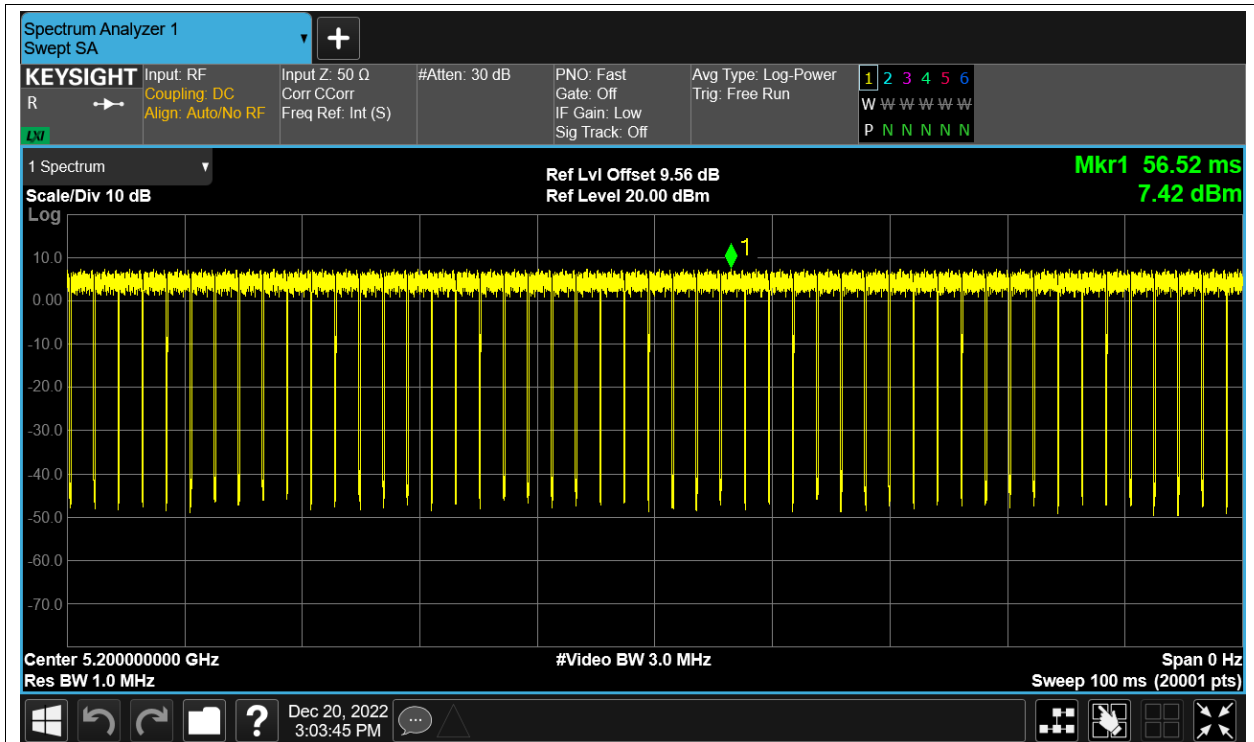
Duty Cycle NVNT a 5240MHz Ant1



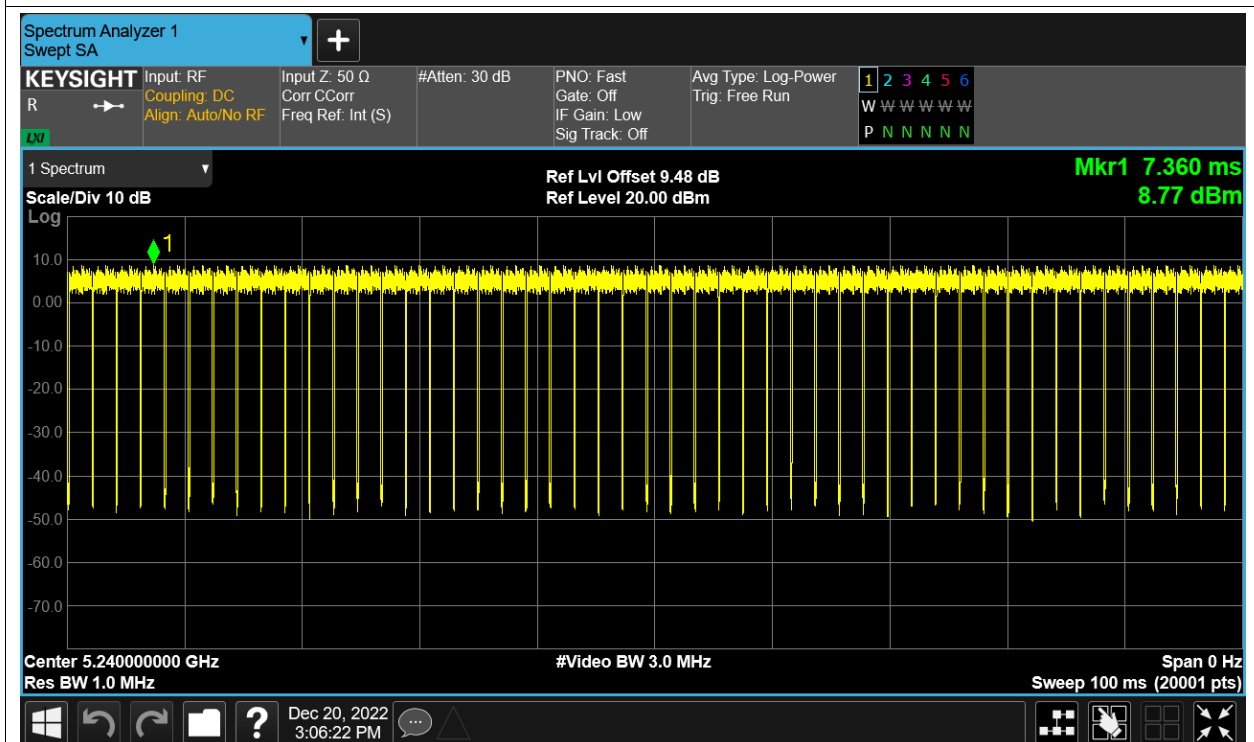
Duty Cycle NVNT n20 5180MHz Ant1



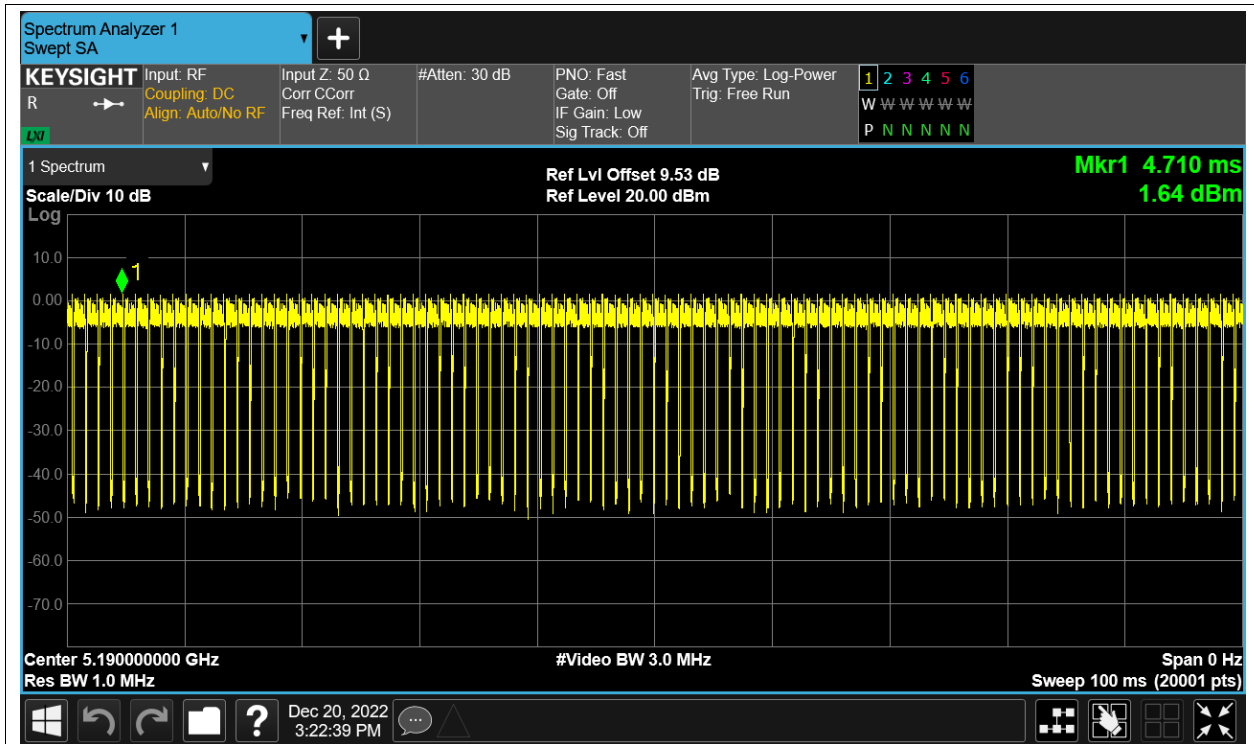
Duty Cycle NVNT n20 5200MHz Ant1



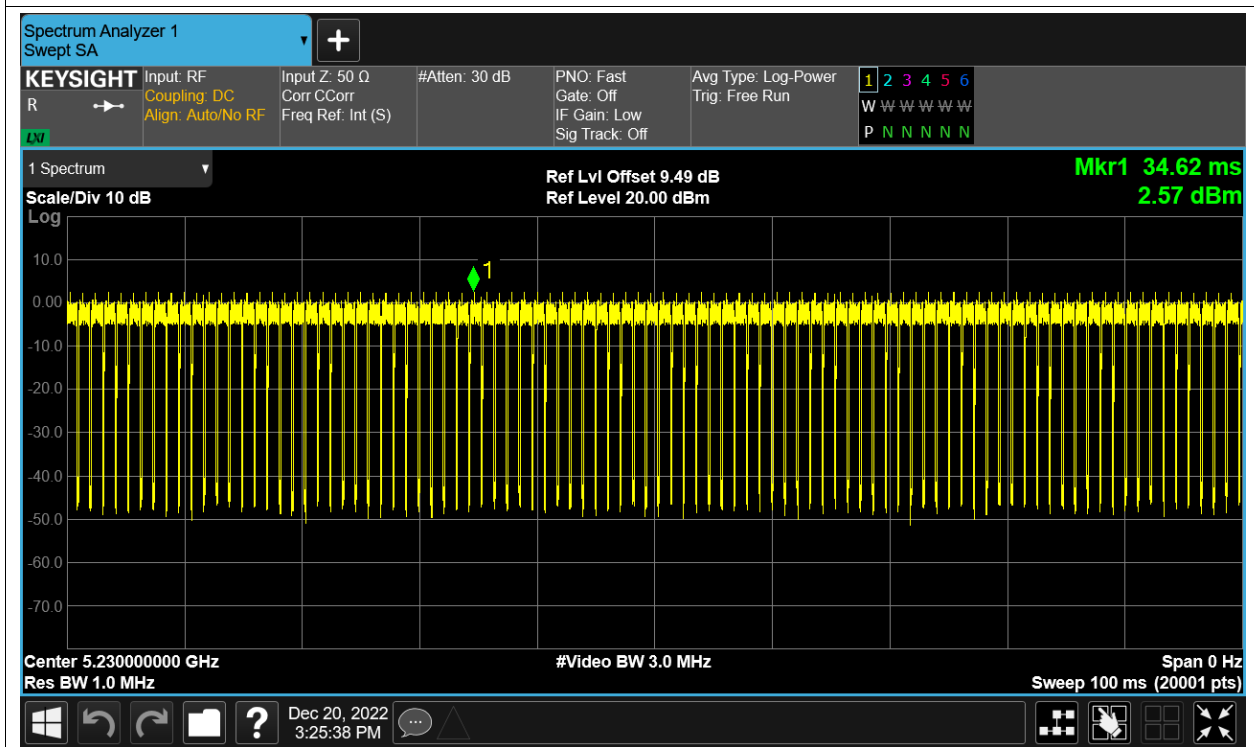
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

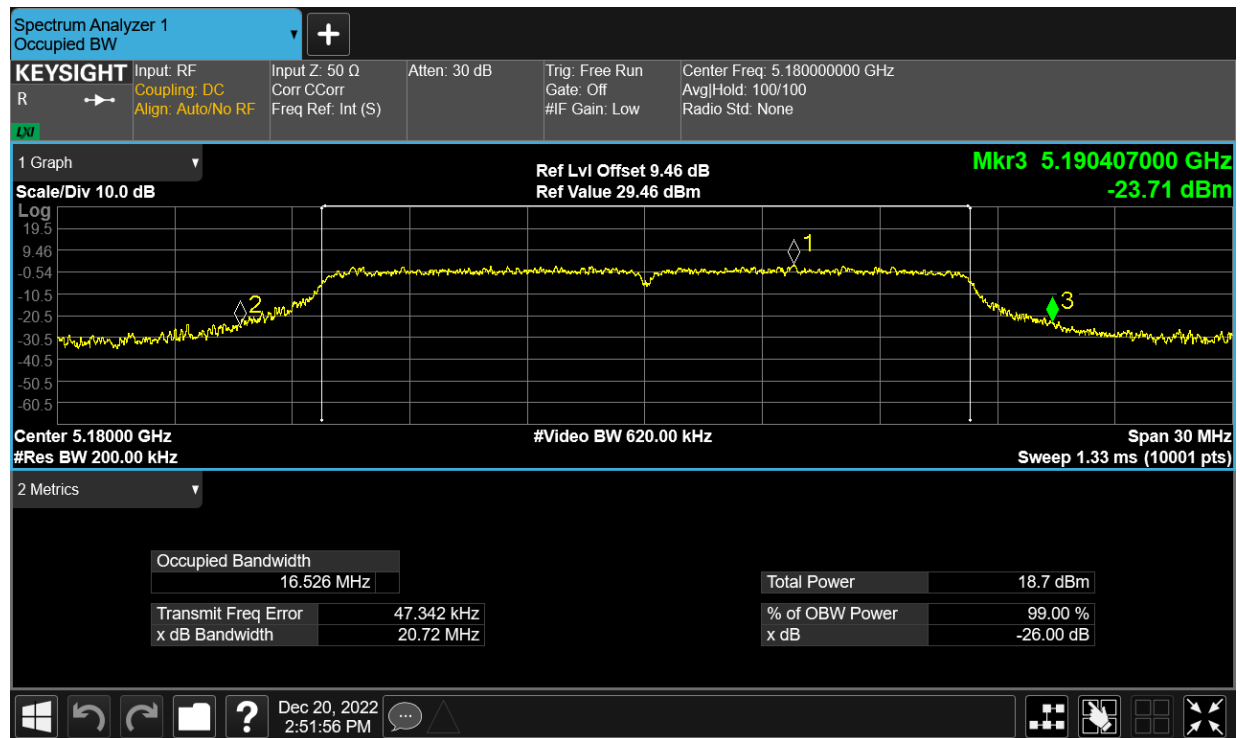
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.73	0.24	13.97	24	Pass
NVNT	a	5200	Ant1	13.66	0.25	13.91	24	Pass
NVNT	a	5240	Ant1	14.46	0.25	14.71	24	Pass
NVNT	n20	5180	Ant1	12.45	0.27	12.72	24	Pass
NVNT	n20	5200	Ant1	12.95	0.27	13.22	24	Pass
NVNT	n20	5240	Ant1	13.83	0.27	14.1	24	Pass
NVNT	n40	5190	Ant1	11.8	0.52	12.32	24	Pass
NVNT	n40	5230	Ant1	12.84	0.53	13.37	24	Pass

-26dB Bandwidth

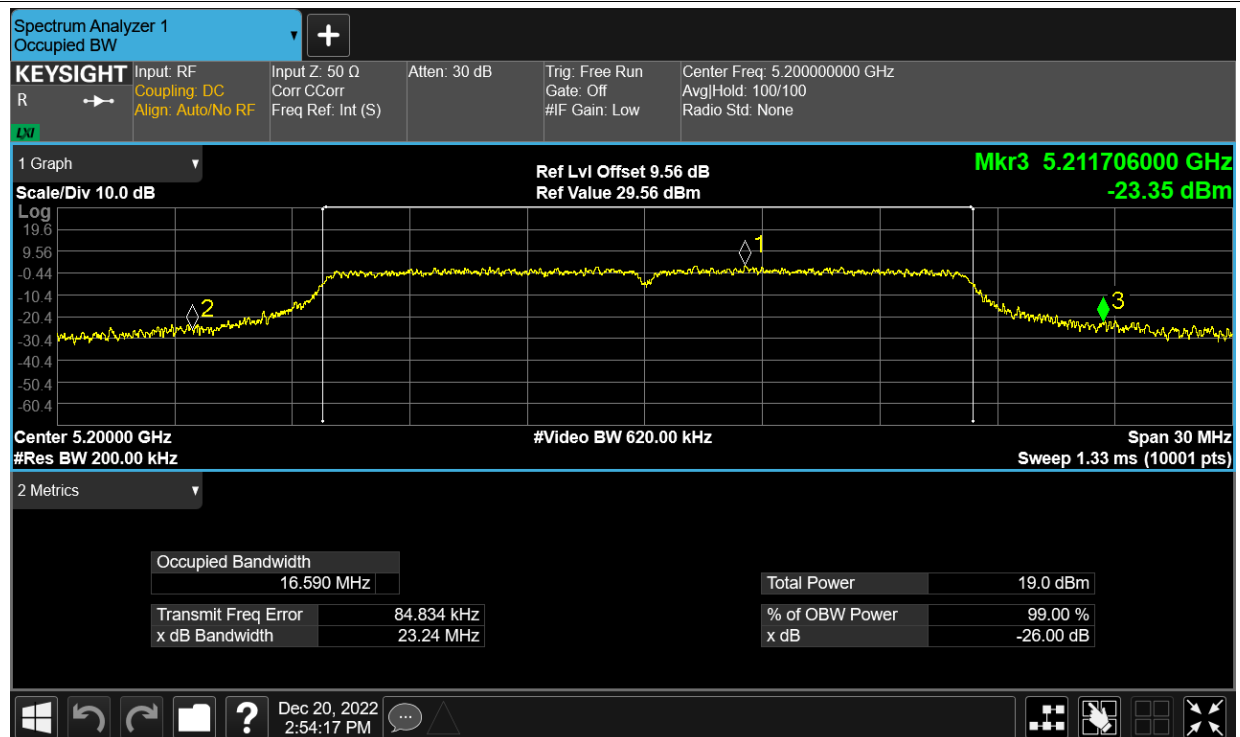
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	20.719
NVNT	a	5200	Ant1	23.243
NVNT	a	5240	Ant1	27.627
NVNT	n20	5180	Ant1	21.325
NVNT	n20	5200	Ant1	22.056
NVNT	n20	5240	Ant1	24.761
NVNT	n40	5190	Ant1	37.954
NVNT	n40	5230	Ant1	38.688

Test Graphs

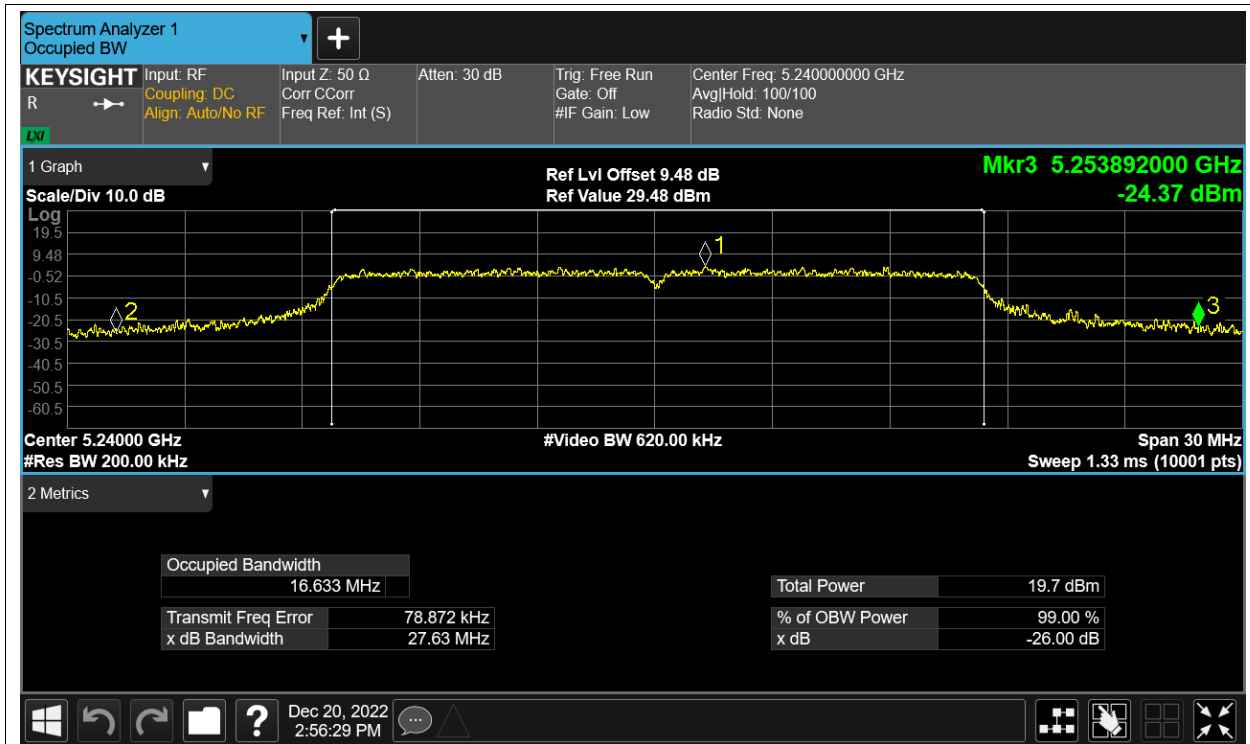
-26dB Bandwidth NVNT a 5180MHz Ant1



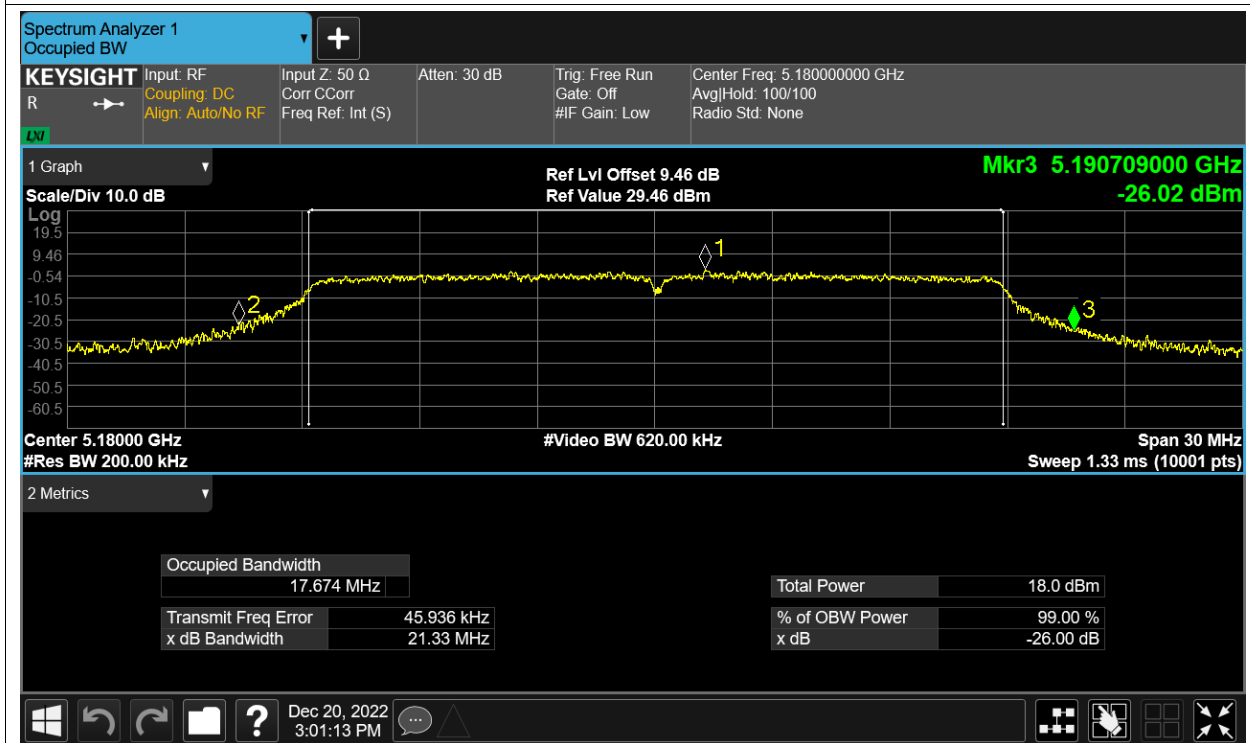
-26dB Bandwidth NVNT a 5200MHz Ant1



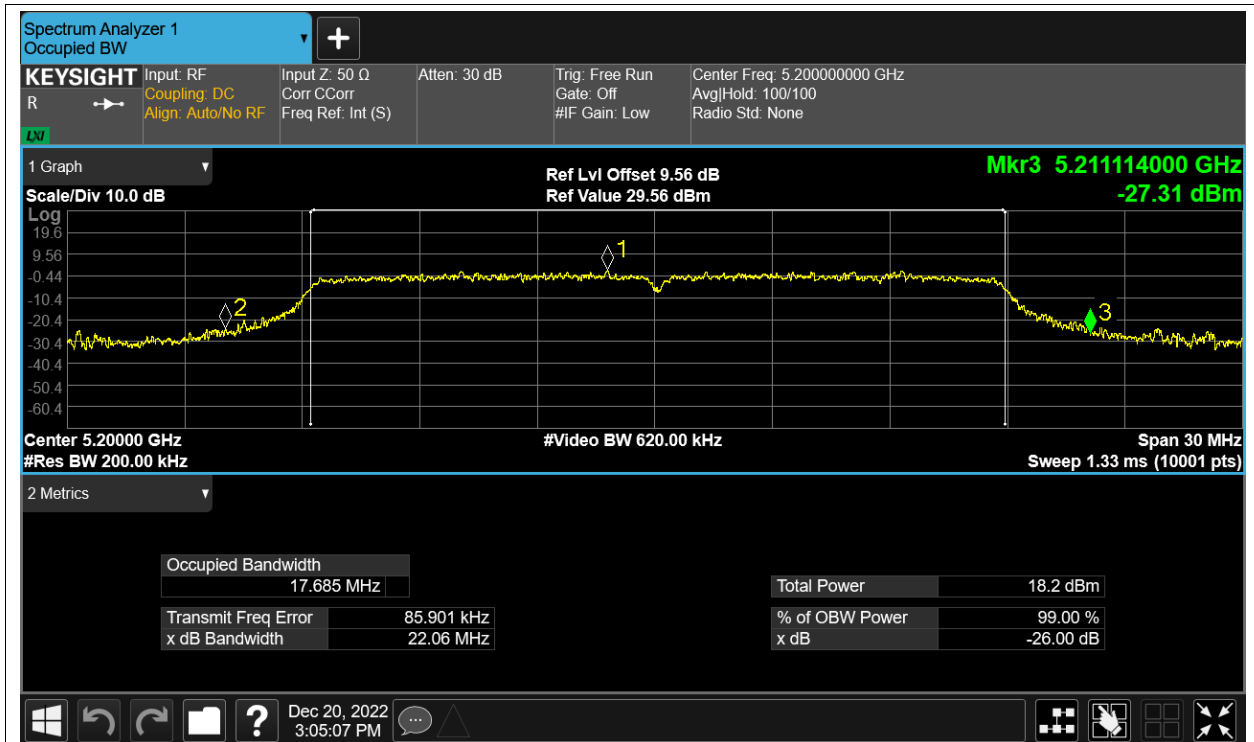
-26dB Bandwidth NVNT a 5240MHz Ant1



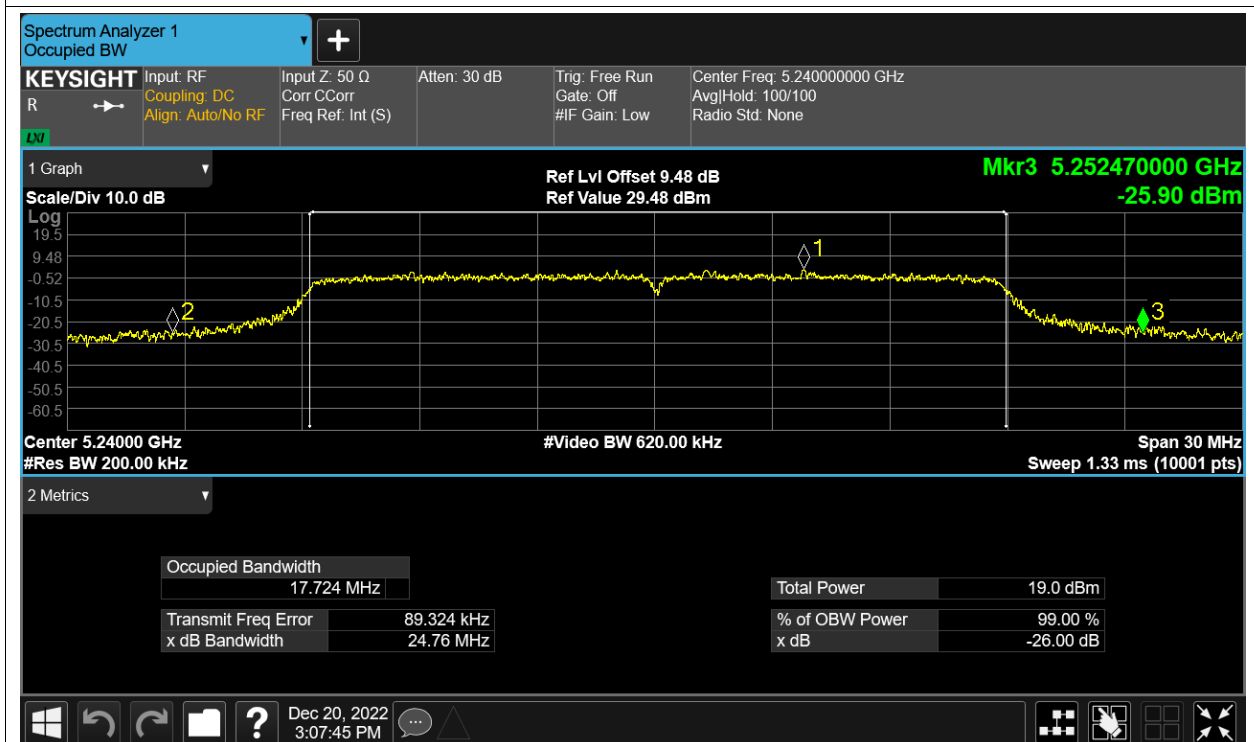
-26dB Bandwidth NVNT n20 5180MHz Ant1



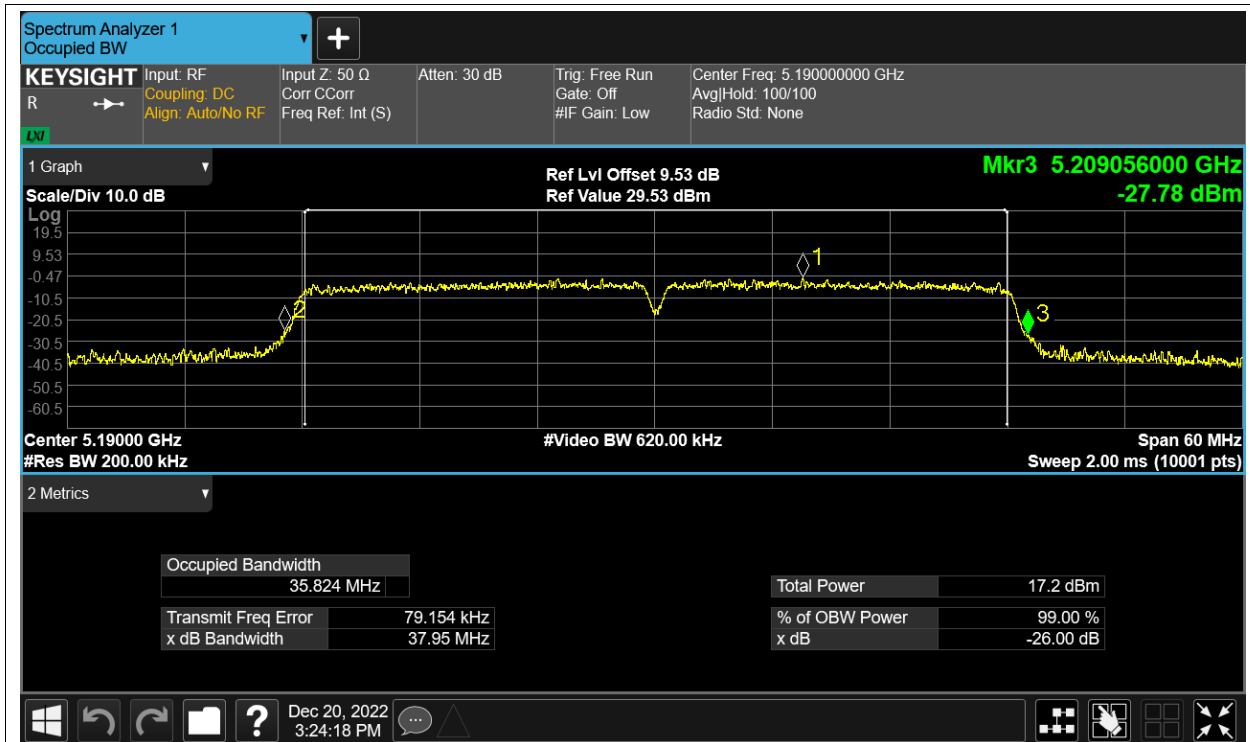
-26dB Bandwidth NVNT n20 5200MHz Ant1



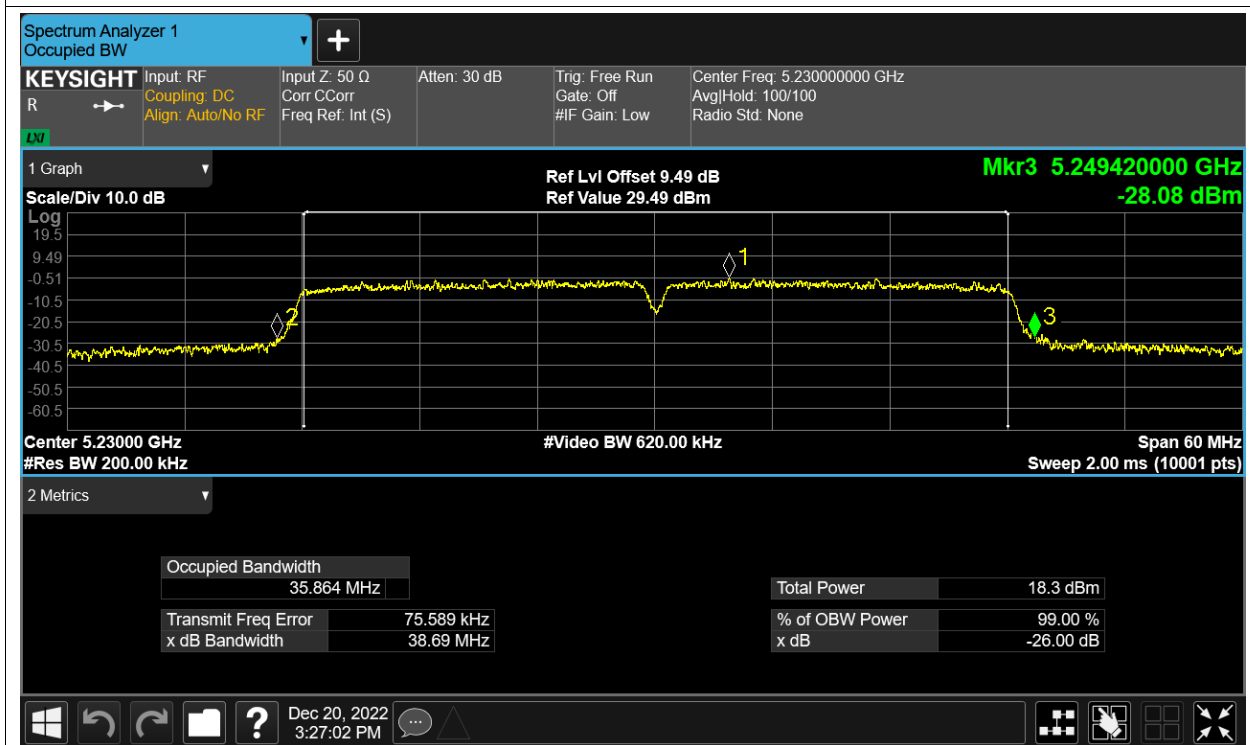
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

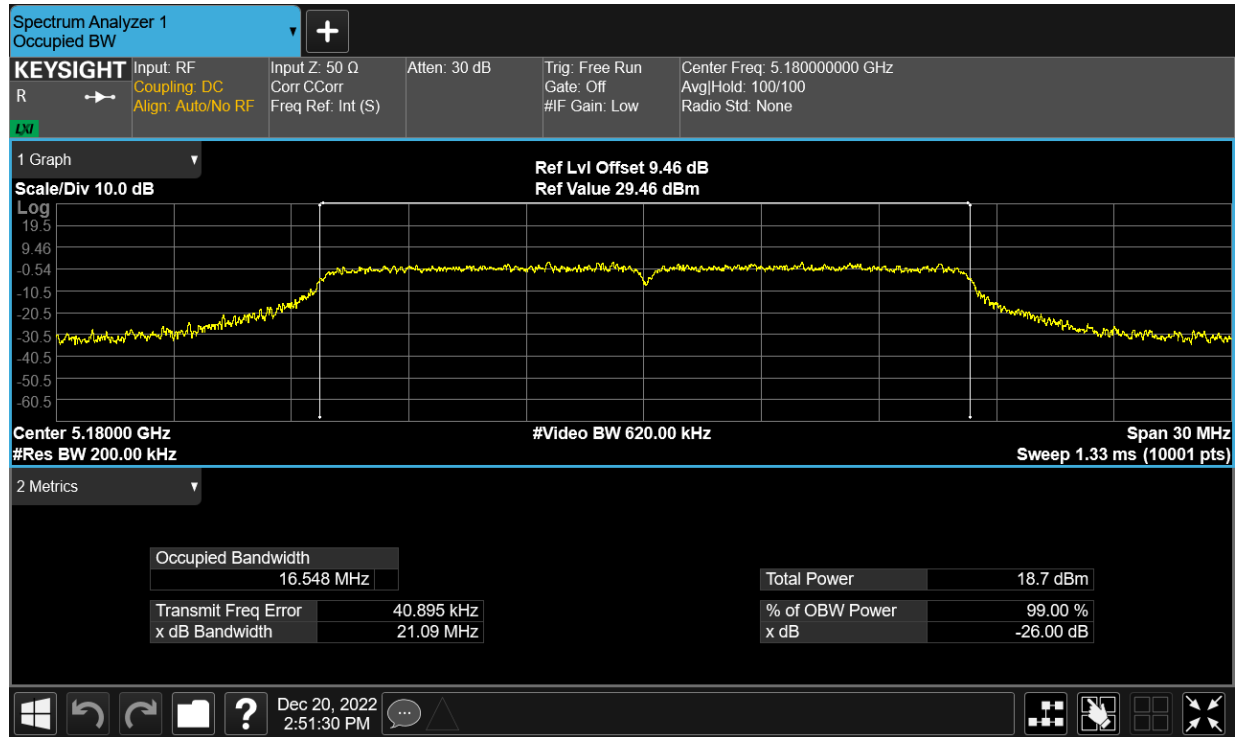


Occupied Channel Bandwidth

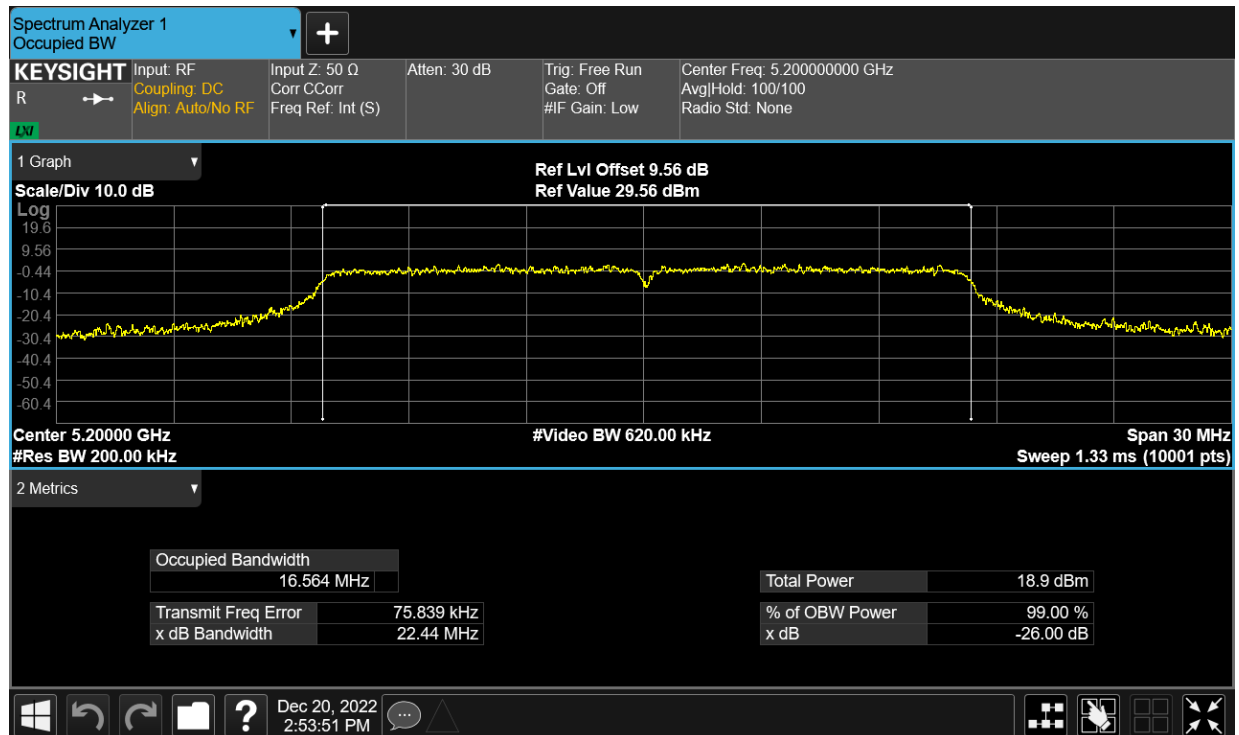
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.548
NVNT	a	5200	Ant1	16.564
NVNT	a	5240	Ant1	16.677
NVNT	n20	5180	Ant1	17.66
NVNT	n20	5200	Ant1	17.66
NVNT	n20	5240	Ant1	17.732
NVNT	n40	5190	Ant1	35.848
NVNT	n40	5230	Ant1	35.876

Test Graphs

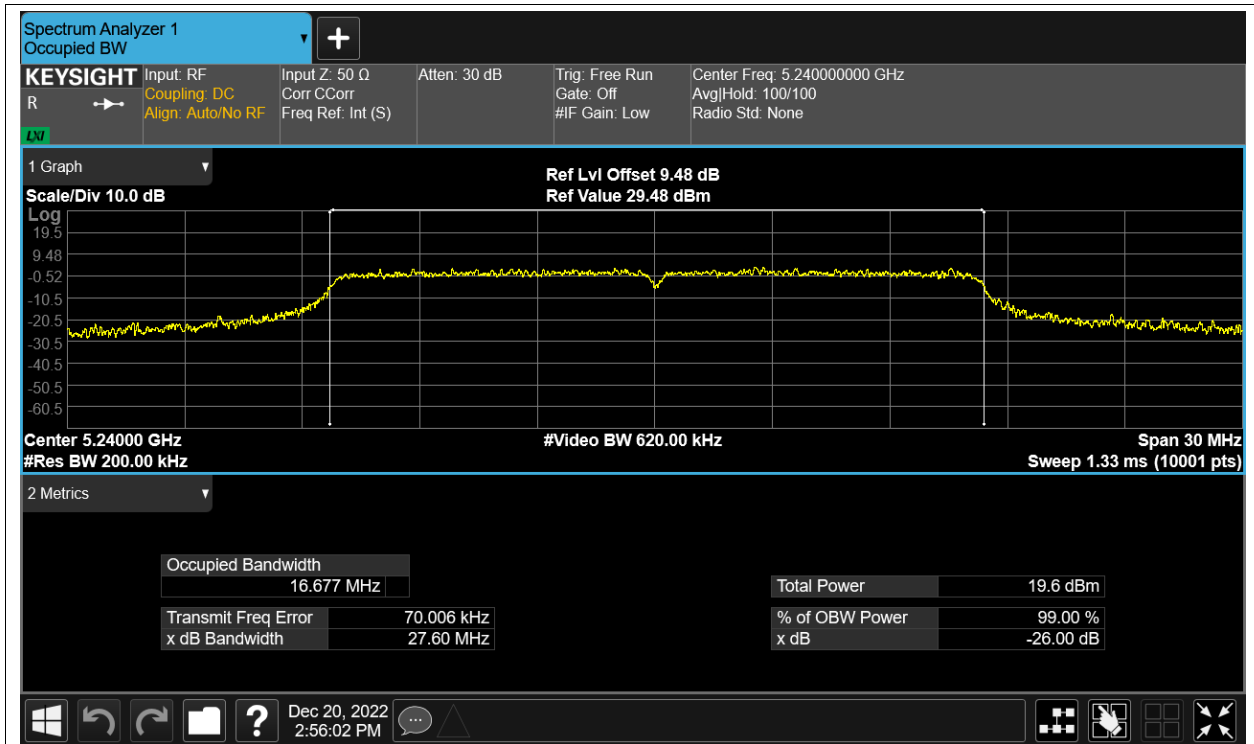
OBW NVNT a 5180MHz Ant1



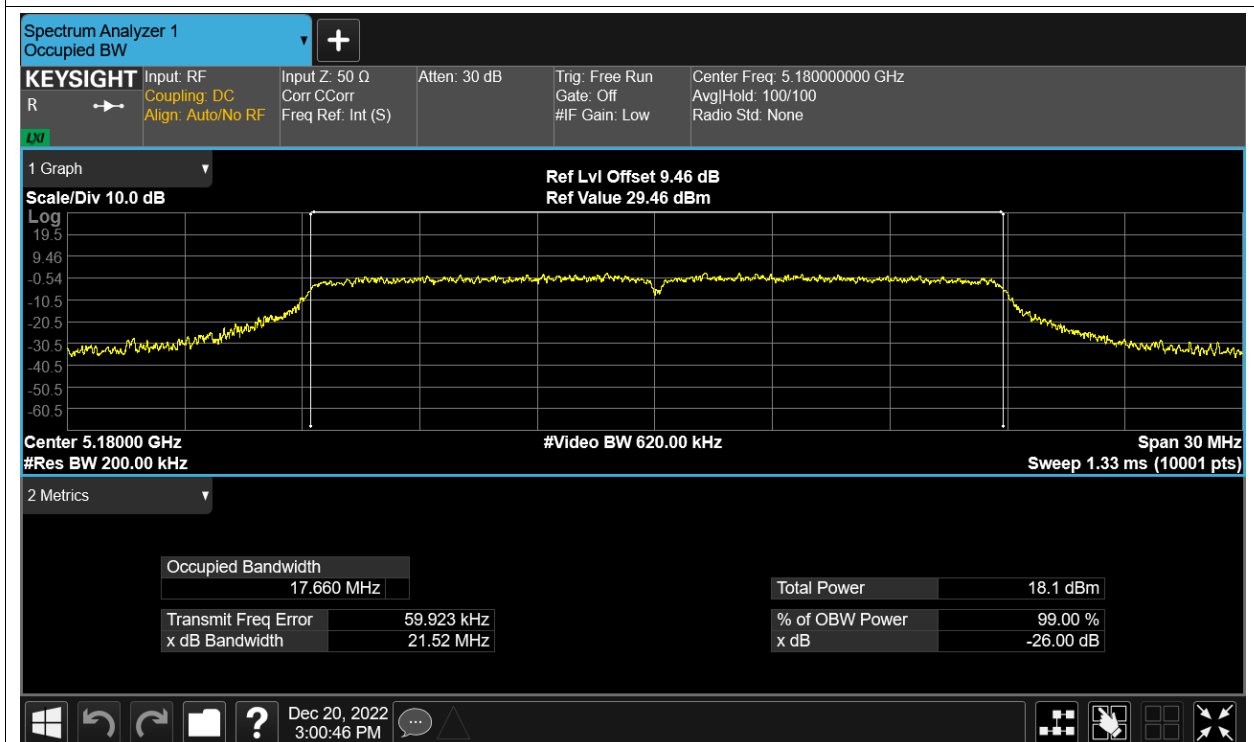
OBW NVNT a 5200MHz Ant1



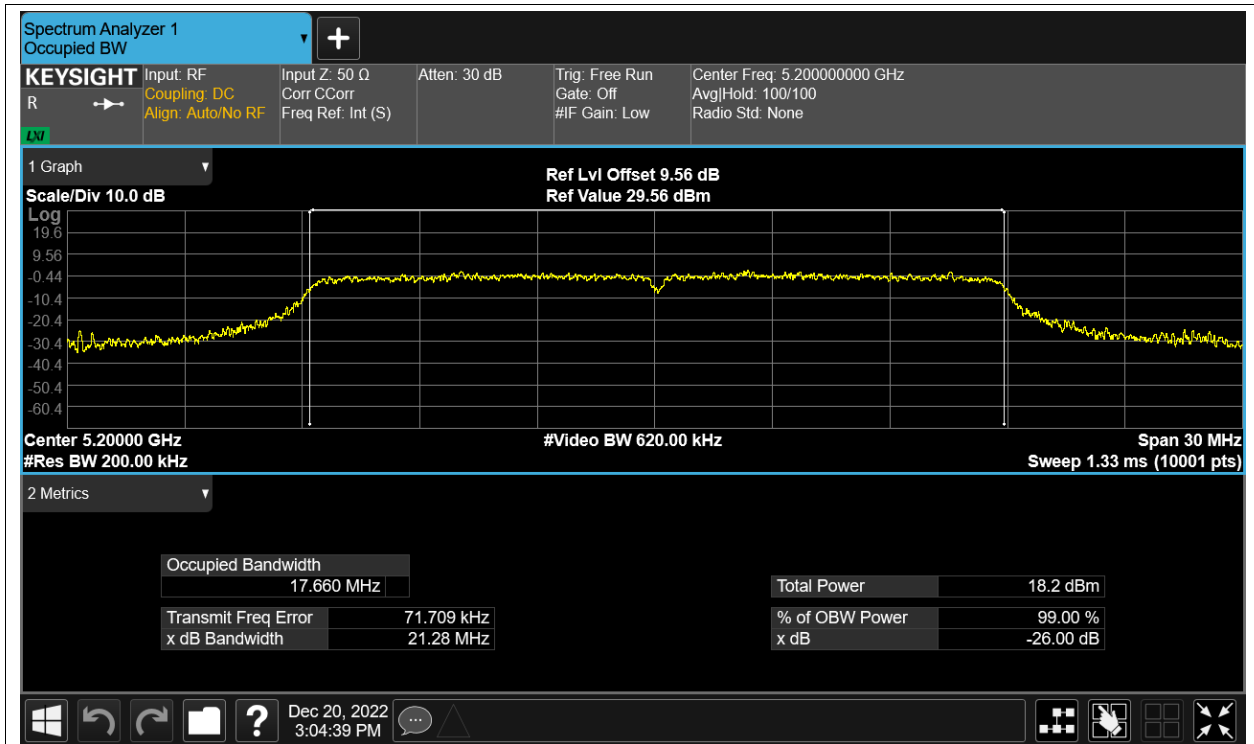
OBW NVNT a 5240MHz Ant1



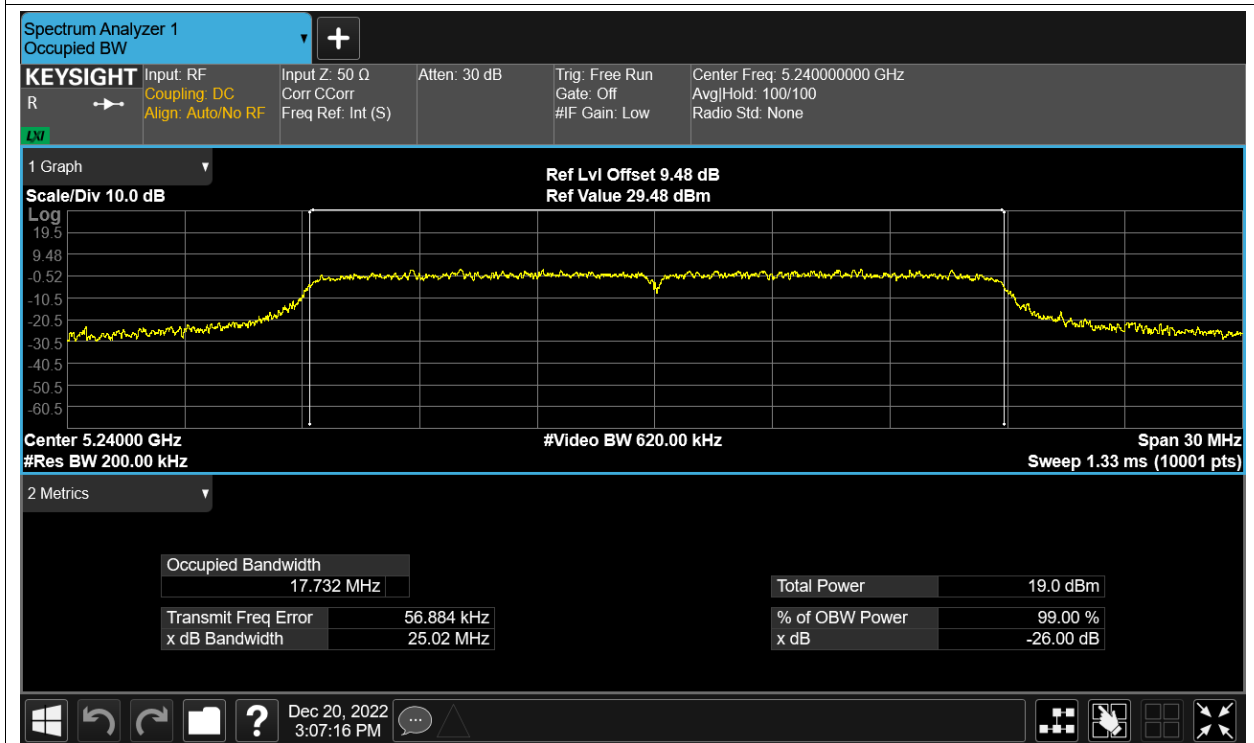
OBW NVNT n20 5180MHz Ant1



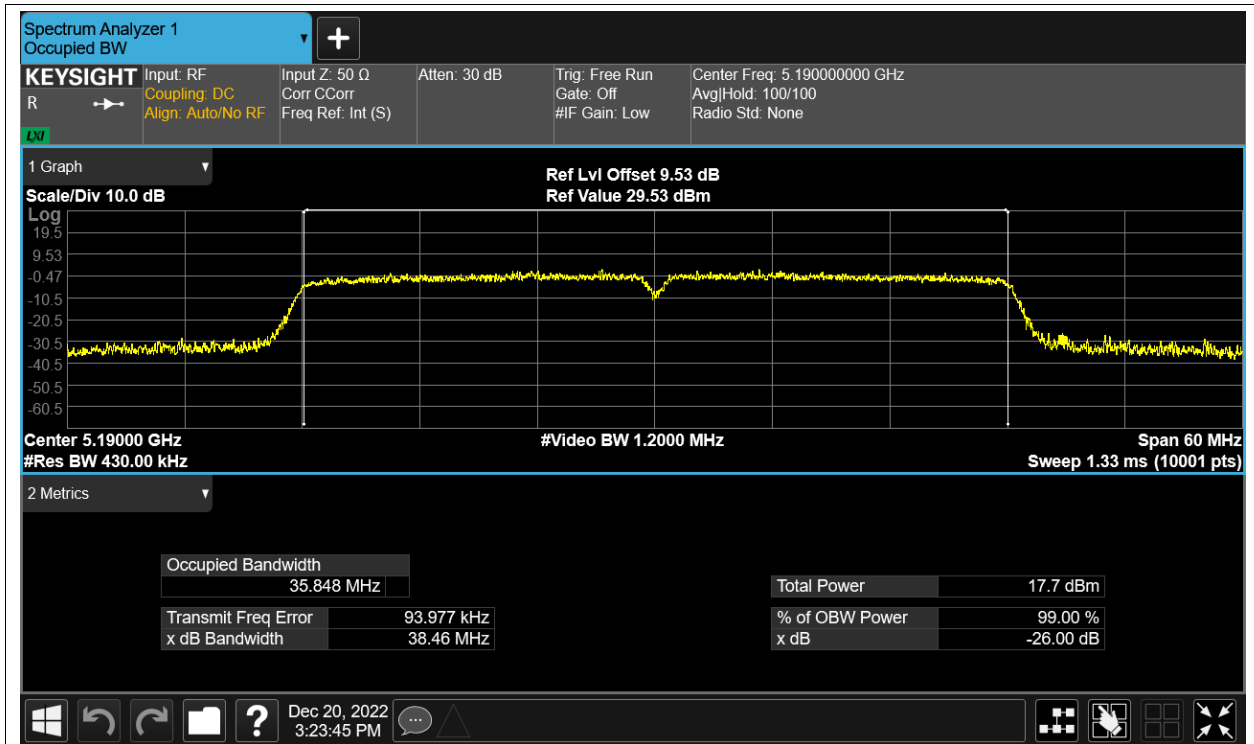
OBW NVNT n20 5200MHz Ant1



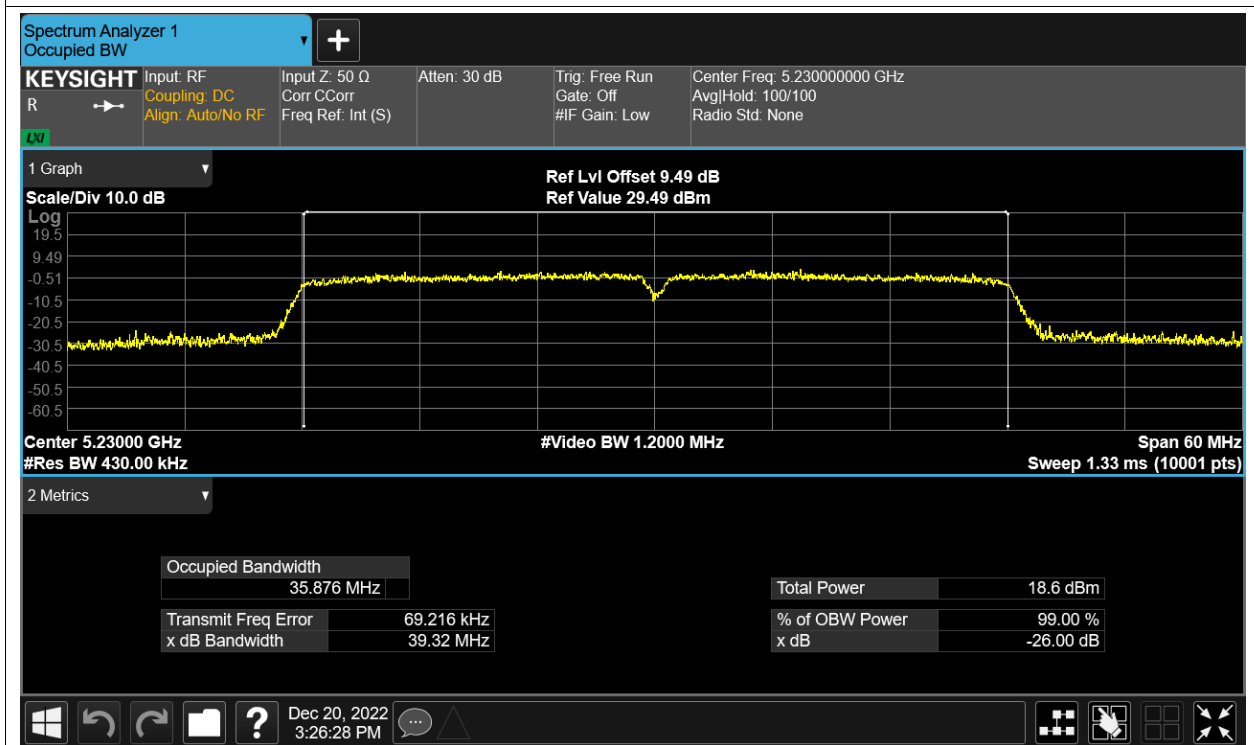
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

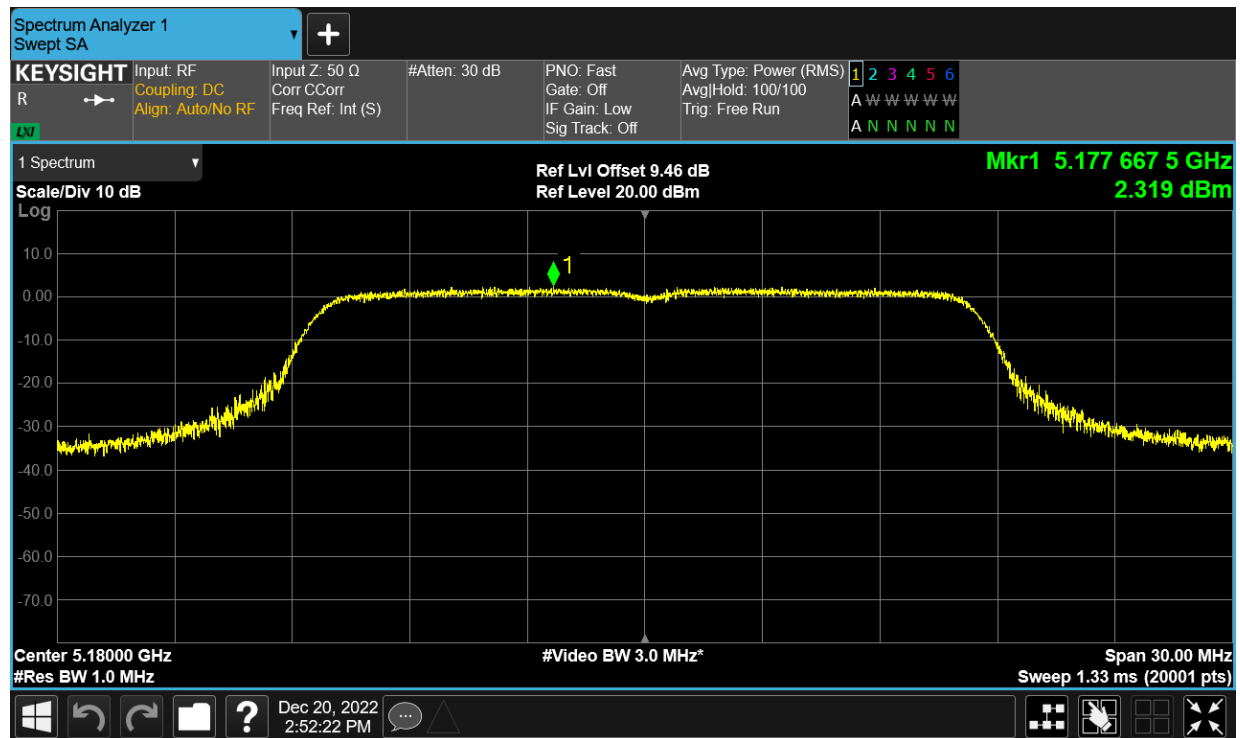


Maximum Power Spectral Density Level

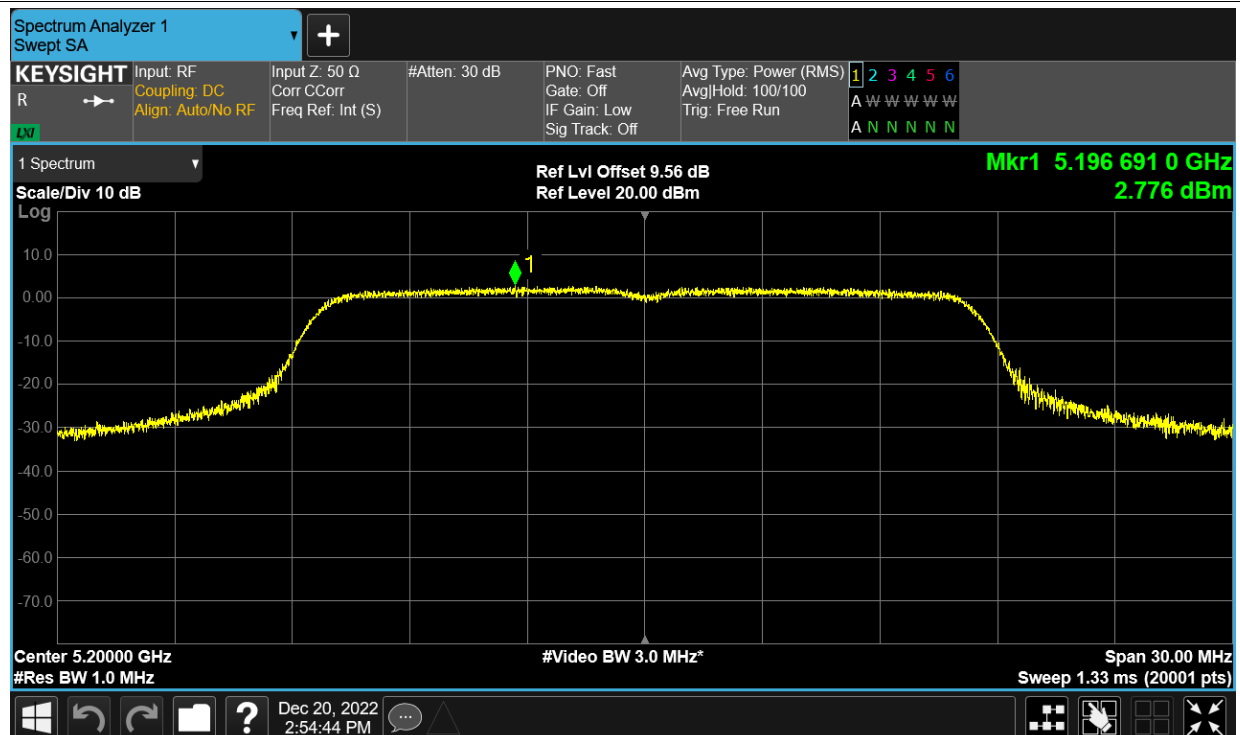
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	2.319	11	Pass
NVNT	a	5200	Ant1	2.776	11	Pass
NVNT	a	5240	Ant1	3.569	11	Pass
NVNT	n20	5180	Ant1	0.835	11	Pass
NVNT	n20	5200	Ant1	1.956	11	Pass
NVNT	n20	5240	Ant1	2.51	11	Pass
NVNT	n40	5190	Ant1	-1.832	11	Pass
NVNT	n40	5230	Ant1	-1.02	11	Pass

Test Graphs

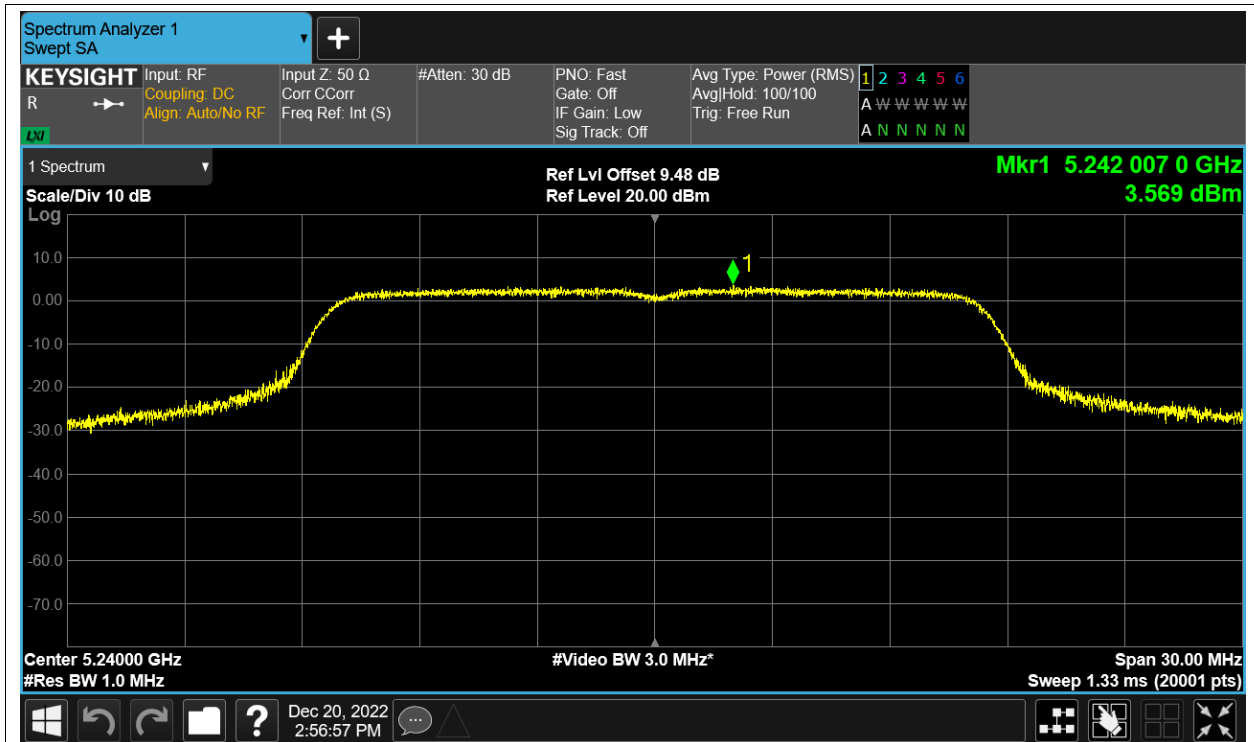
PSD NVNT a 5180MHz Ant1



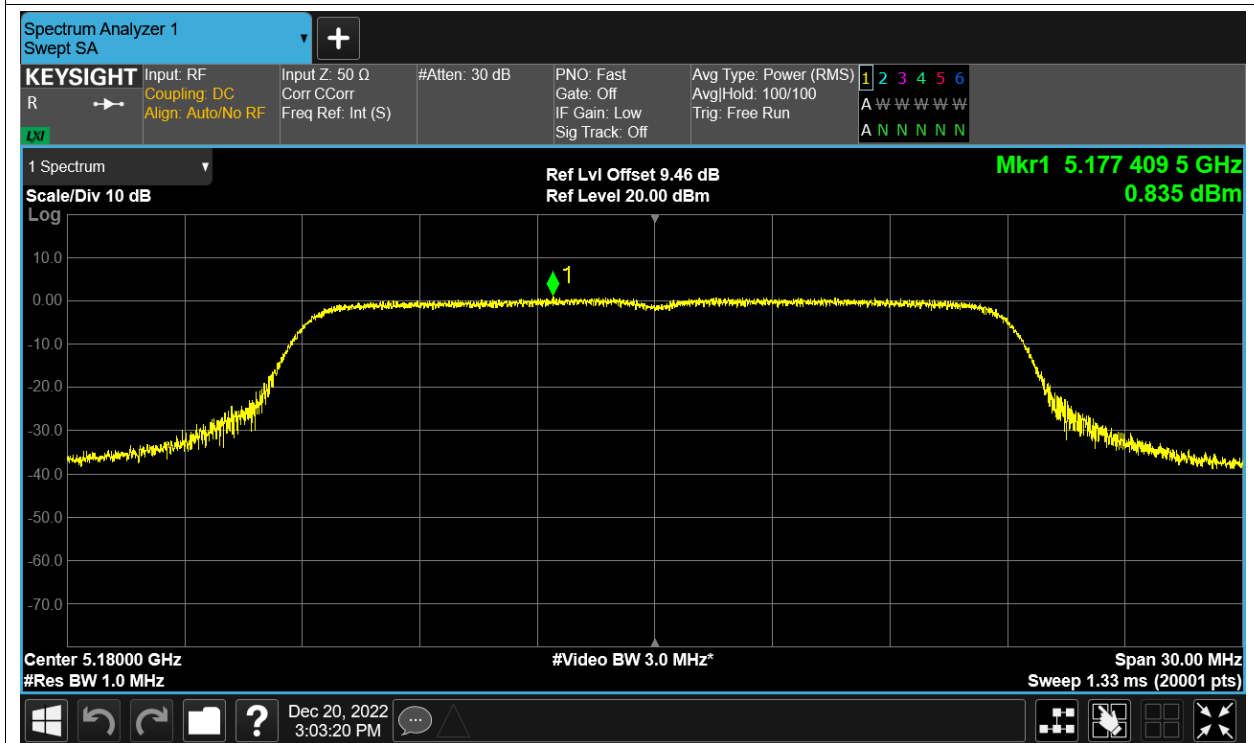
PSD NVNT a 5200MHz Ant1



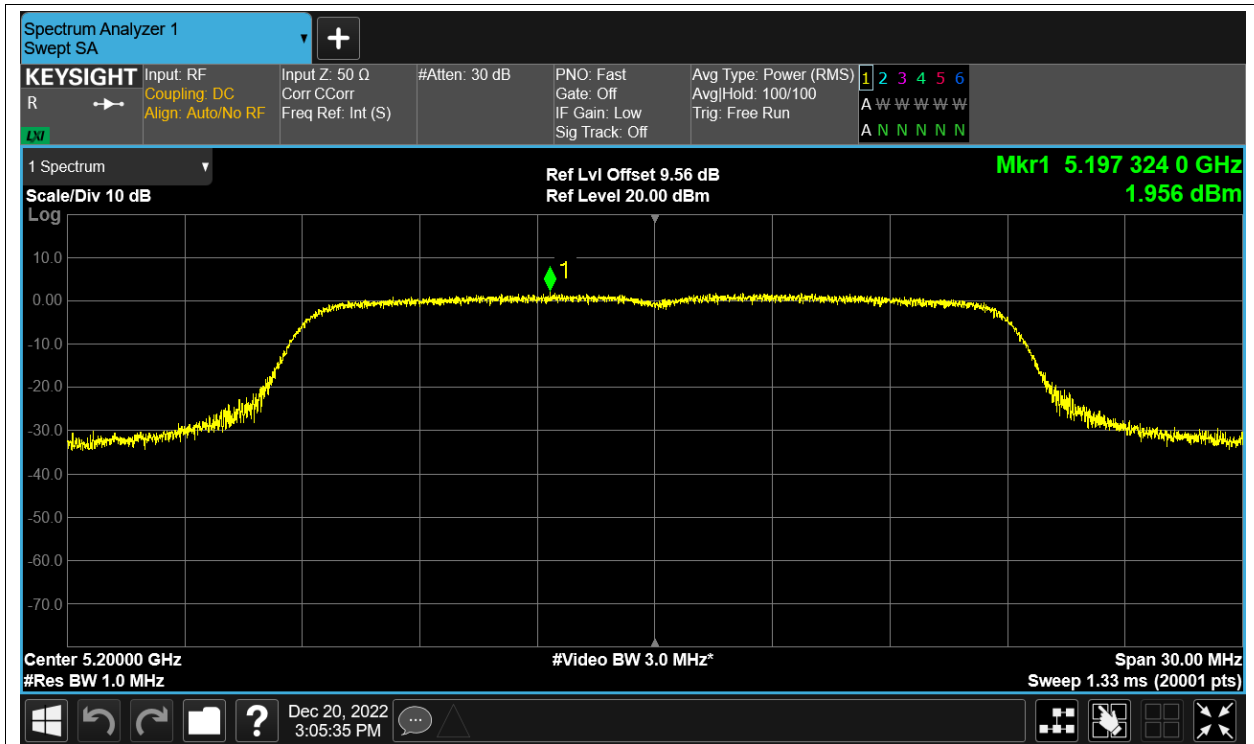
PSD NVNT a 5240MHz Ant1



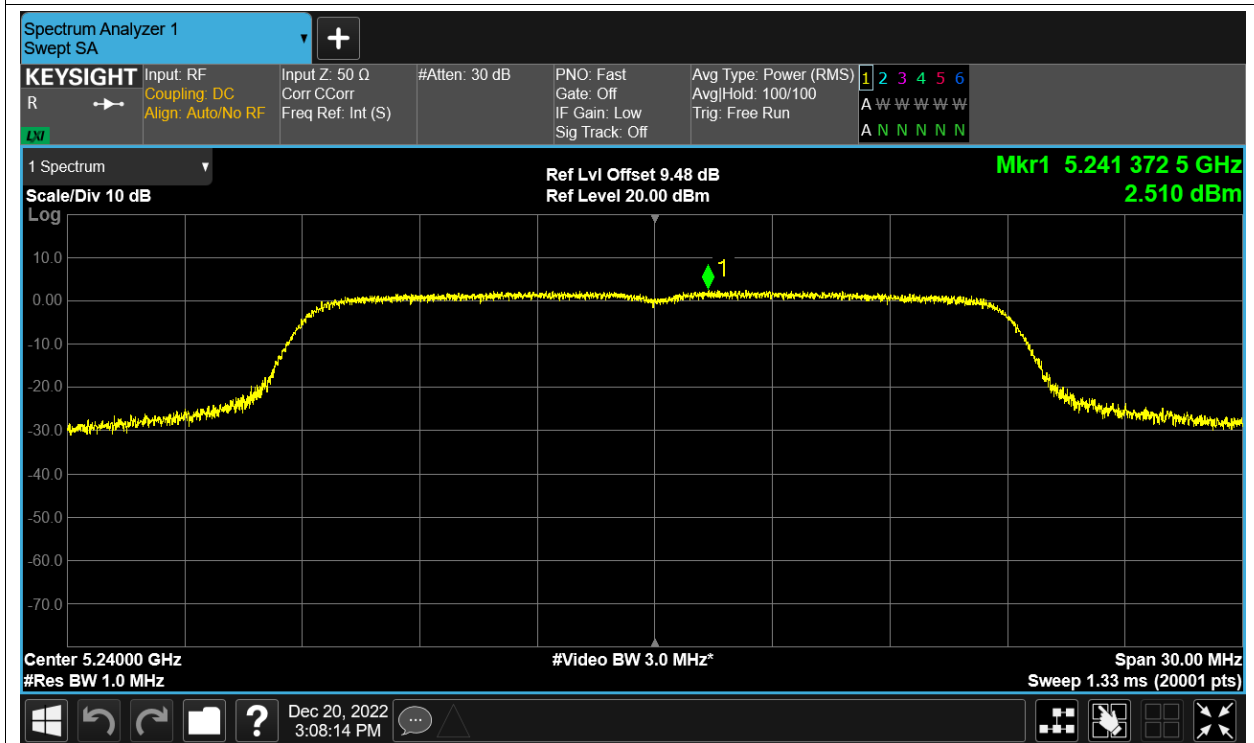
PSD NVNT n20 5180MHz Ant1



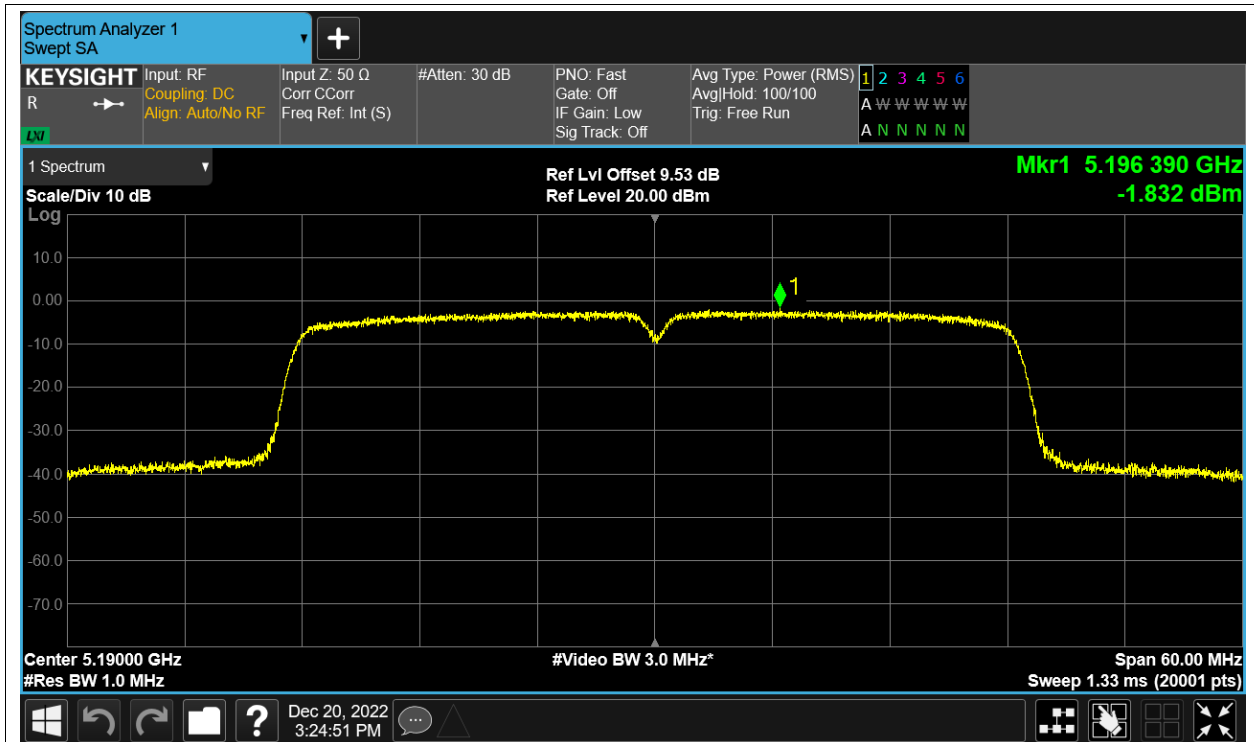
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

