

Test Data

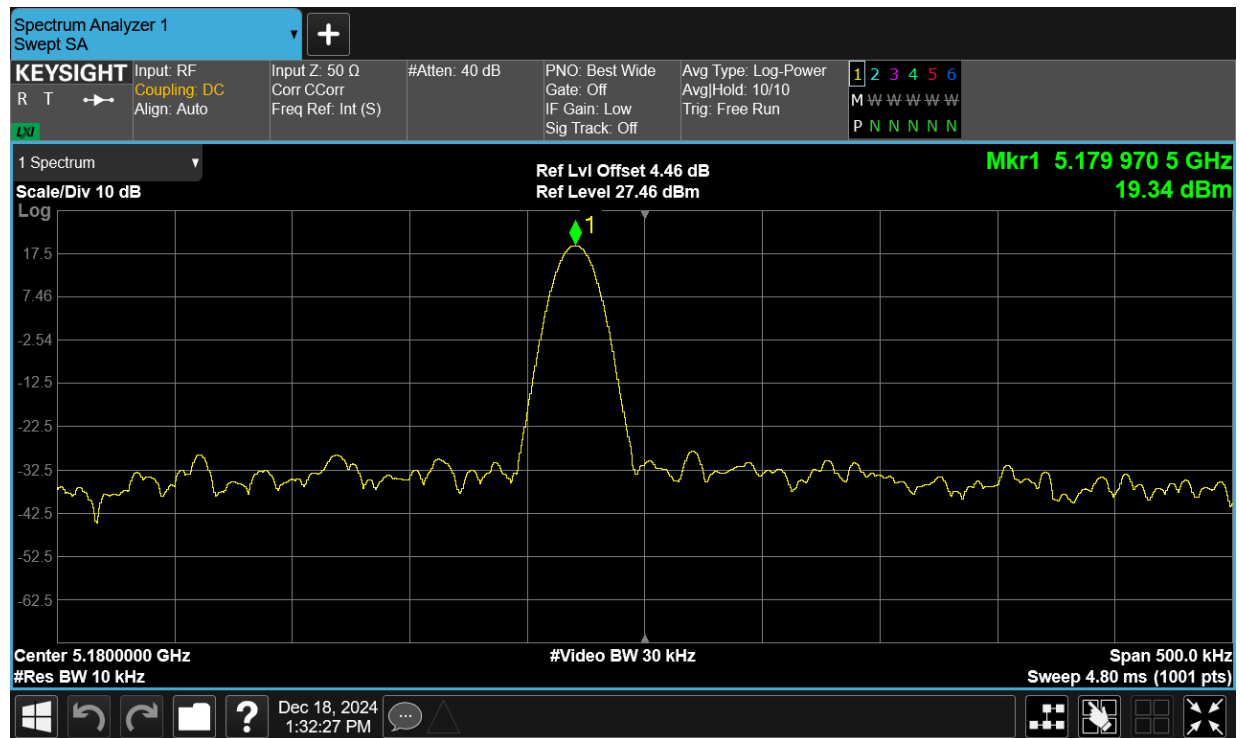
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant13	5179.9705	-5.69	Within authorized band	Pass
LVNT	a	5180	Ant13	5179.971	-5.6		Pass
NVHT	a	5180	Ant13	5179.972	-5.41		Pass
NVLT	a	5180	Ant13	5179.973	-5.21		Pass
NVNT	a	5180	Ant13	5179.9745	-4.92		Pass
HVNT	ac80	5210	Ant13	5209.9675	-6.24		Pass
LVNT	ac80	5210	Ant13	5209.9675	-6.24		Pass
NVHT	ac80	5210	Ant13	5209.9675	-6.24		Pass
NVLT	ac80	5210	Ant13	5209.967	-6.33		Pass
NVNT	ac80	5210	Ant13	5209.967846461	-6.17		Pass
HVNT	n40	5190	Ant13	5189.9695	-5.88		Pass
LVNT	n40	5190	Ant13	5189.9695	-5.88		Pass
NVHT	n40	5190	Ant13	5189.97	-5.78		Pass
NVLT	n40	5190	Ant13	5189.9705	-5.68		Pass
NVNT	n40	5190	Ant13	5189.971	-5.59		Pass

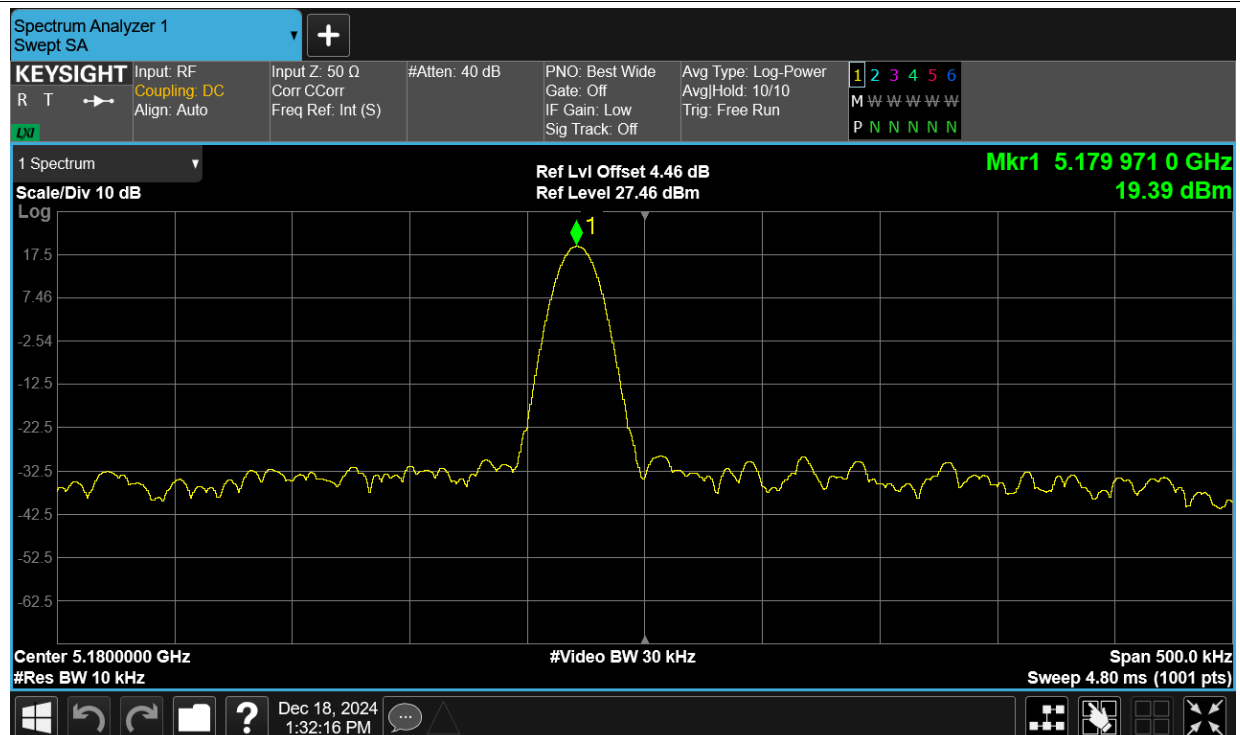
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

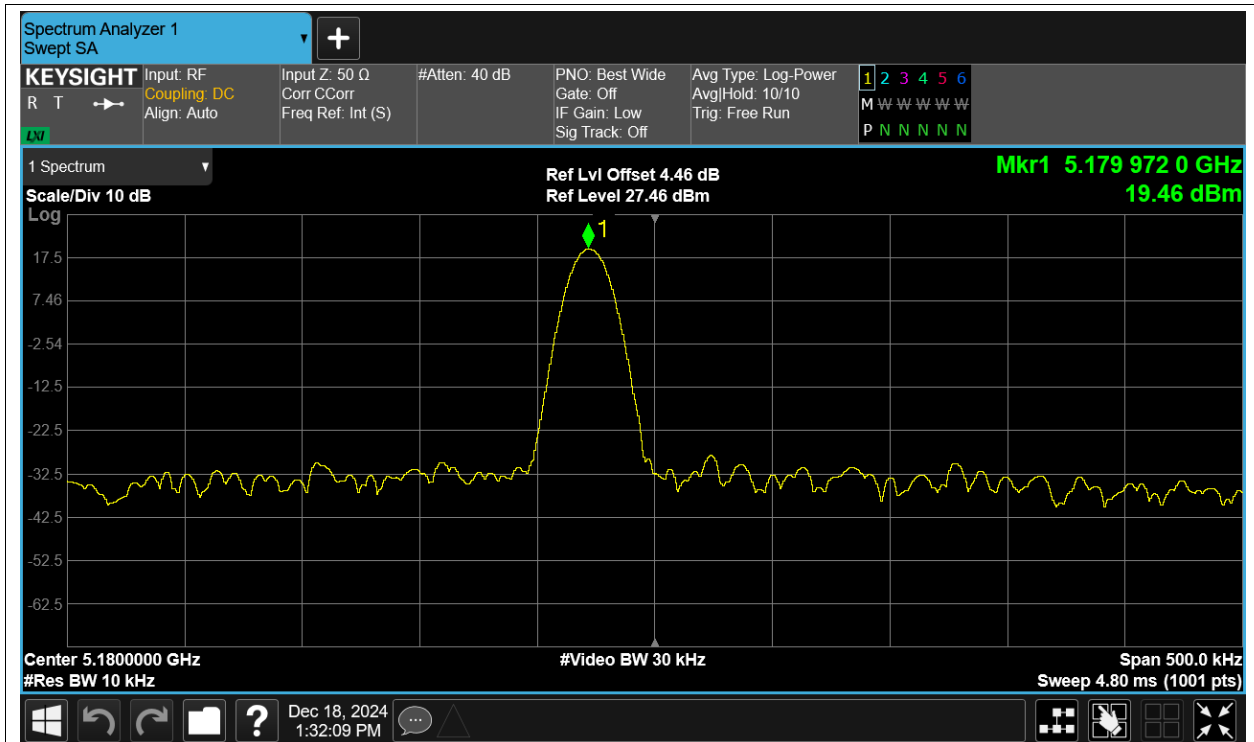
Freq. Stability HVNT a 5180MHz Ant13



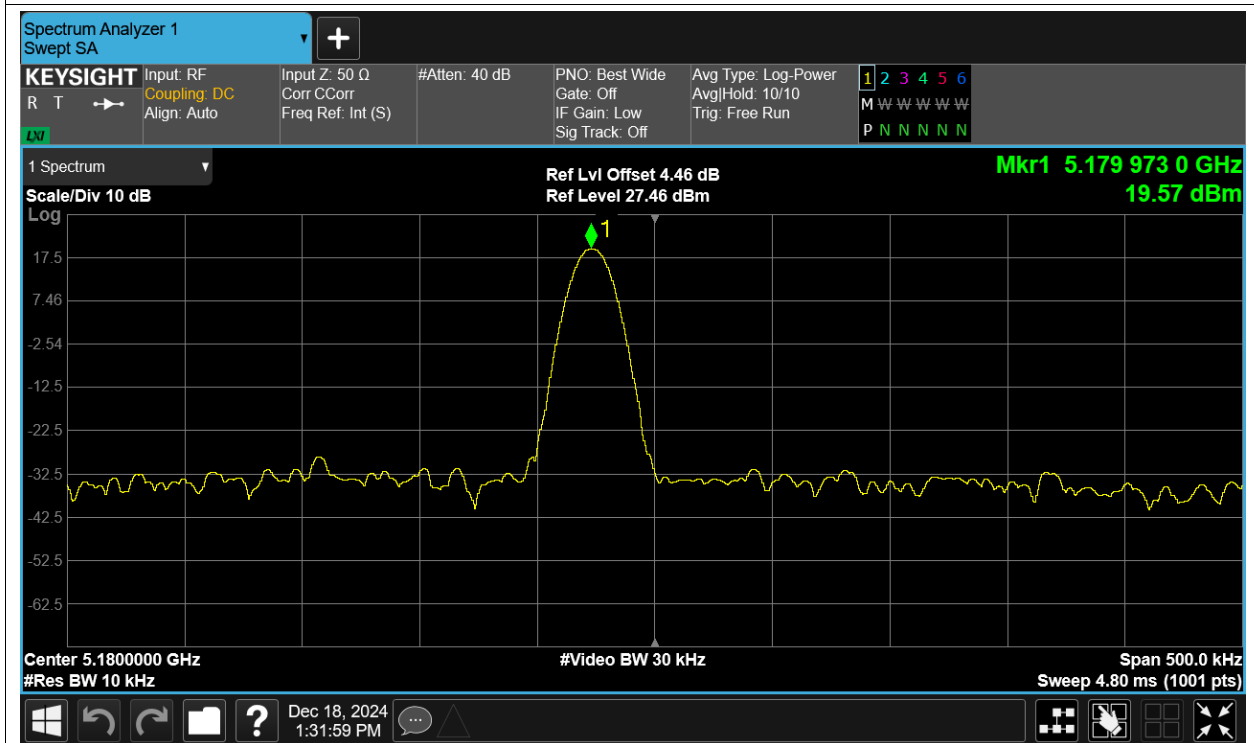
Freq. Stability LVNT a 5180MHz Ant13



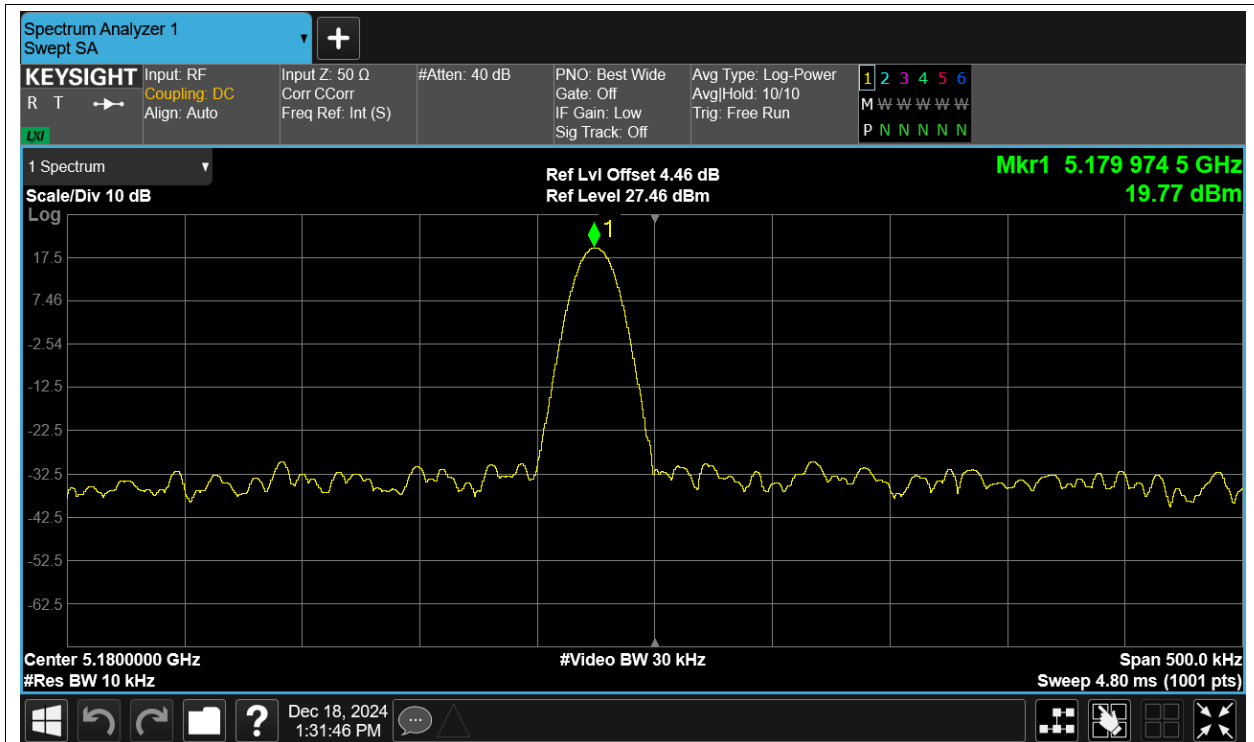
Freq. Stability NVHT a 5180MHz Ant13



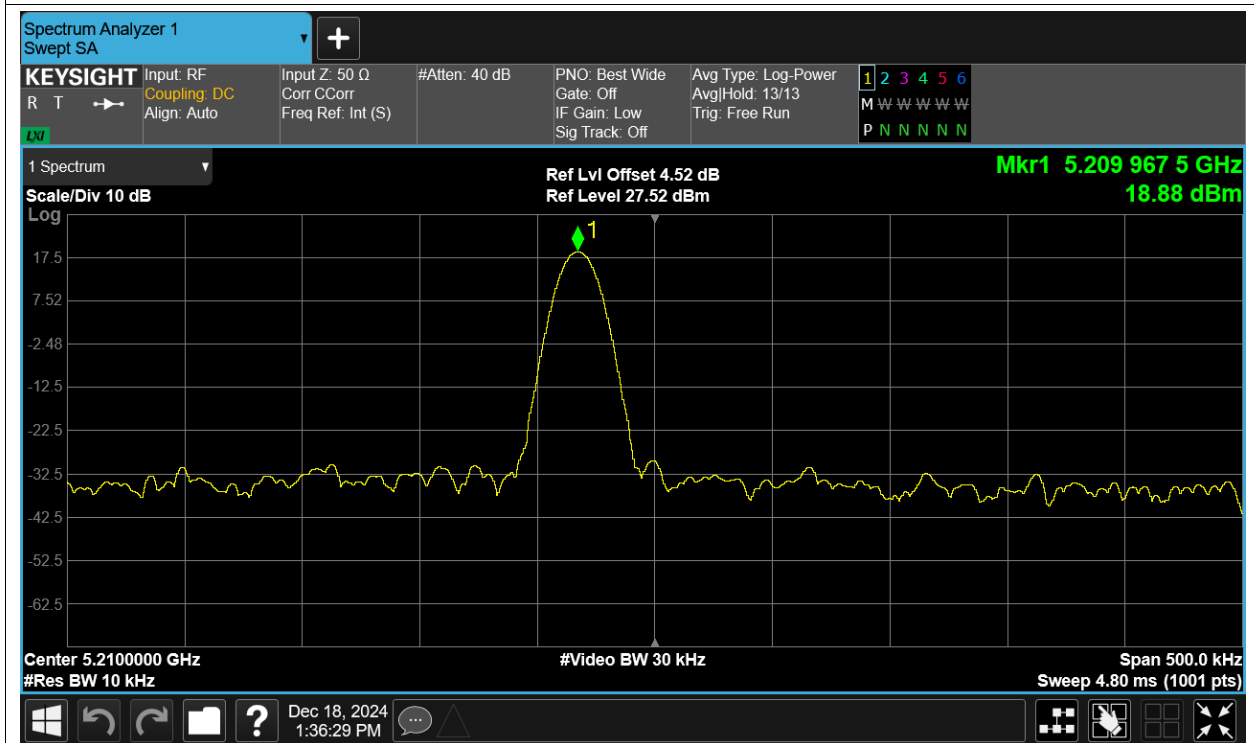
Freq. Stability NVLT a 5180MHz Ant13



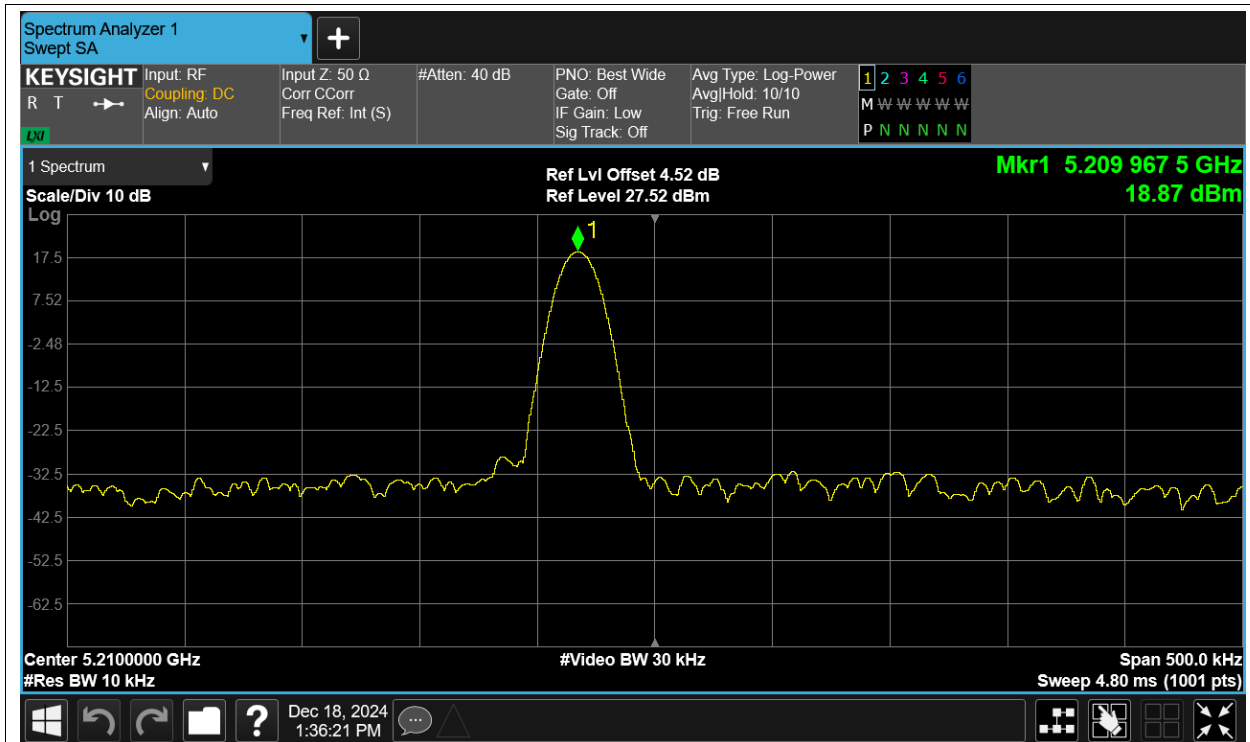
Freq. Stability NVNT a 5180MHz Ant13



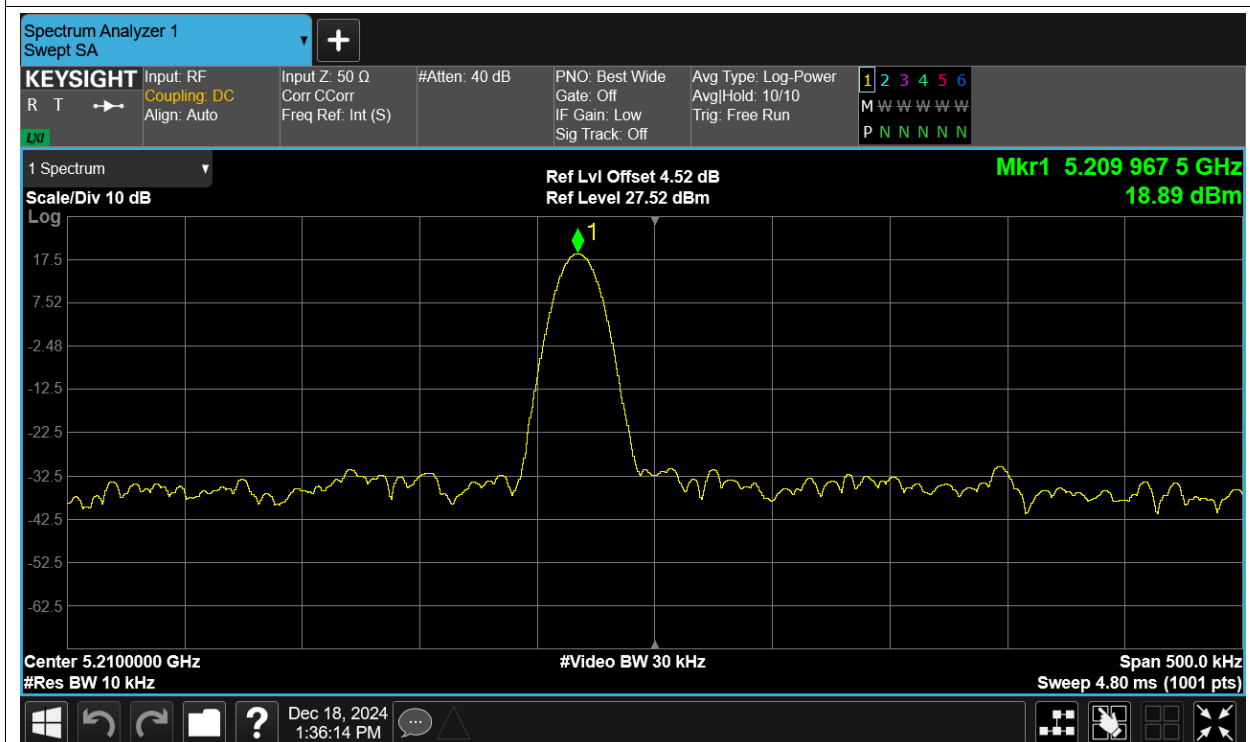
Freq. Stability HVNT ac80 5210MHz Ant13



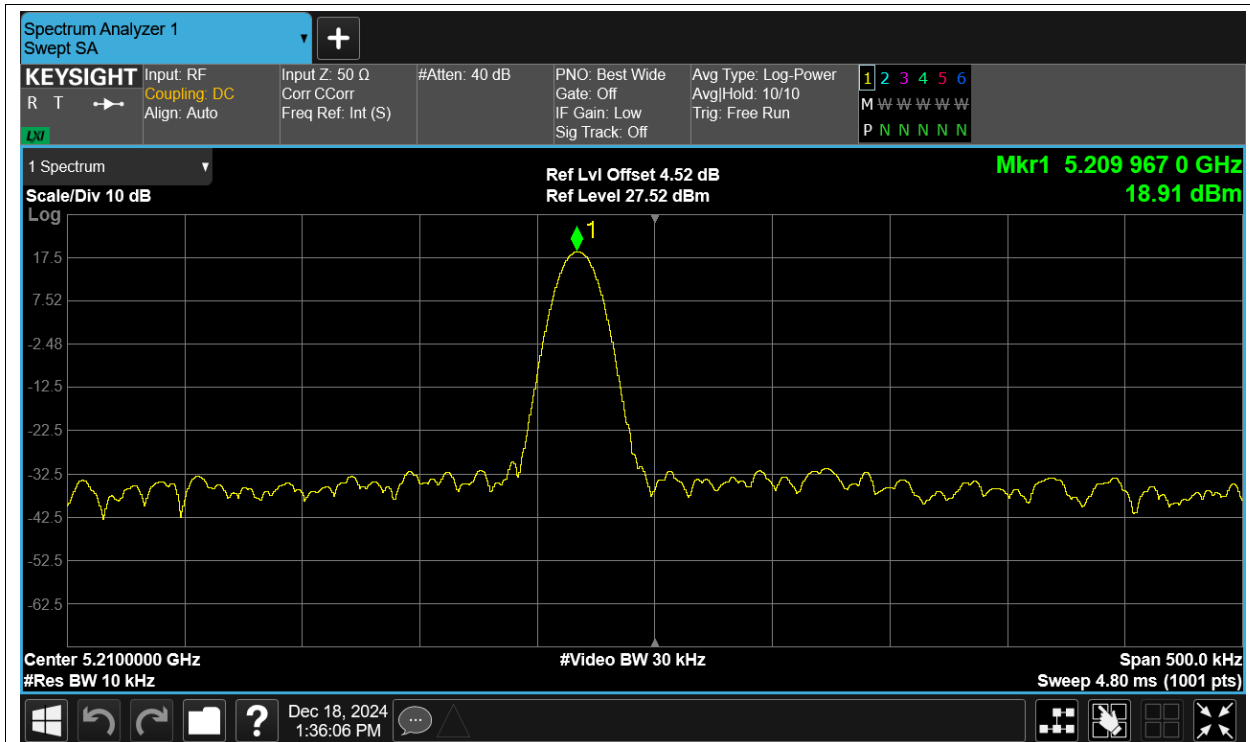
Freq. Stability LVNT ac80 5210MHz Ant13



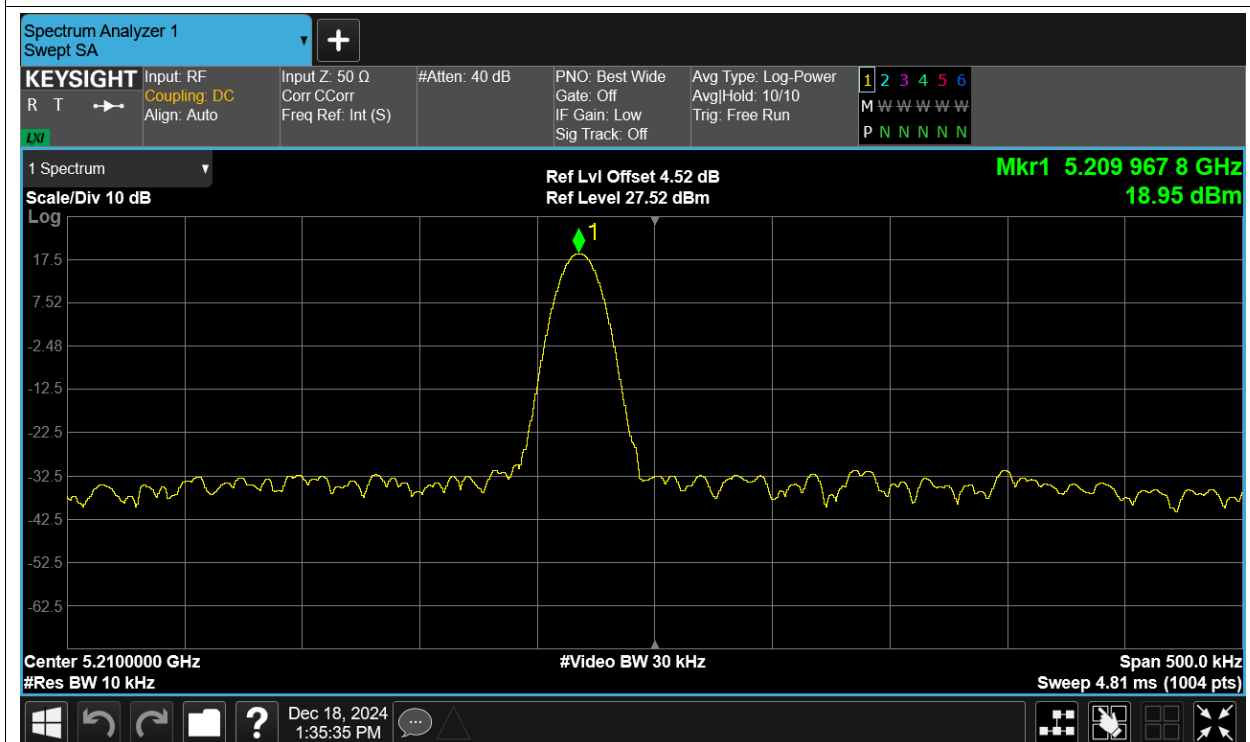
Freq. Stability NVHT ac80 5210MHz Ant13



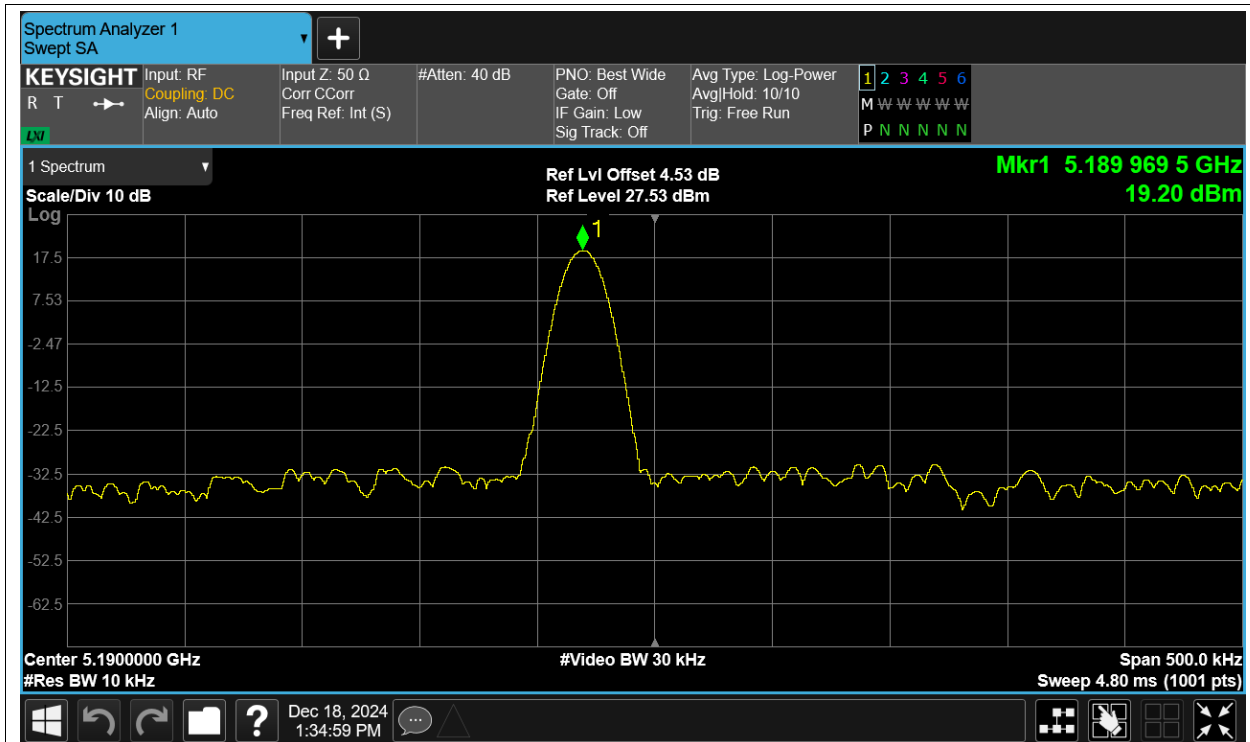
Freq. Stability NVLT ac80 5210MHz Ant13



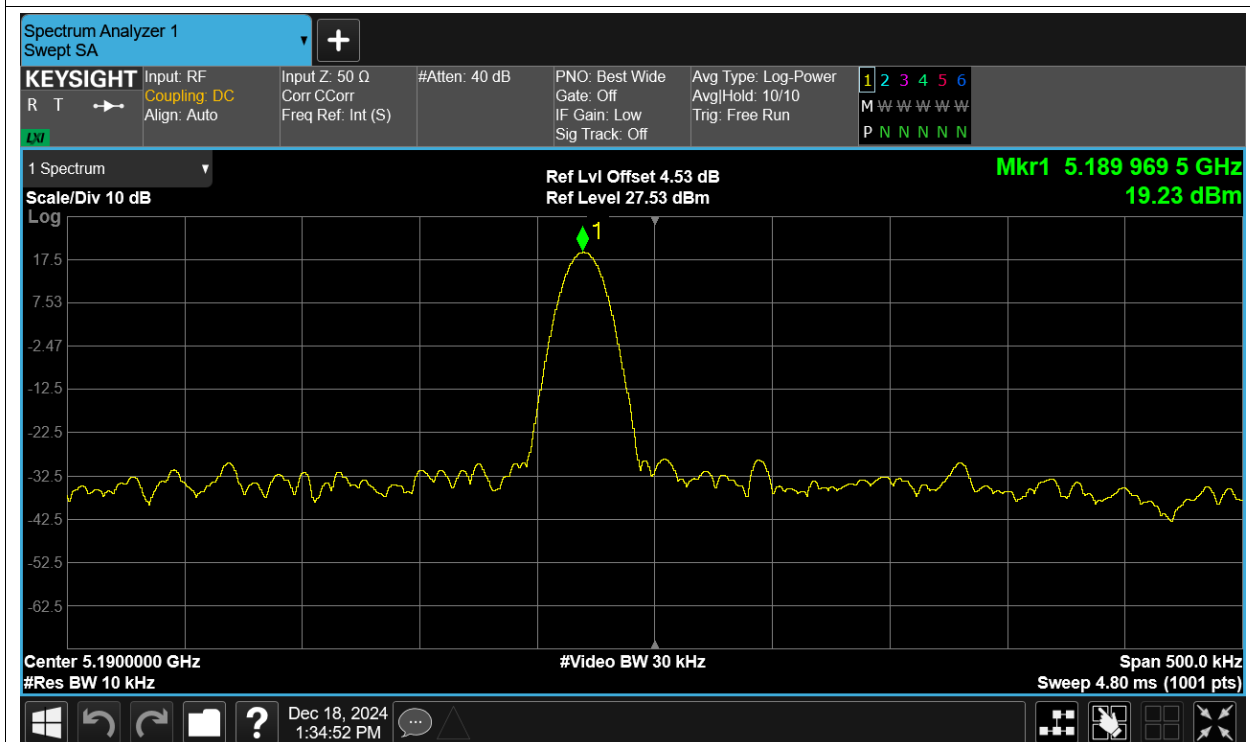
Freq. Stability NVNT ac80 5210MHz Ant13



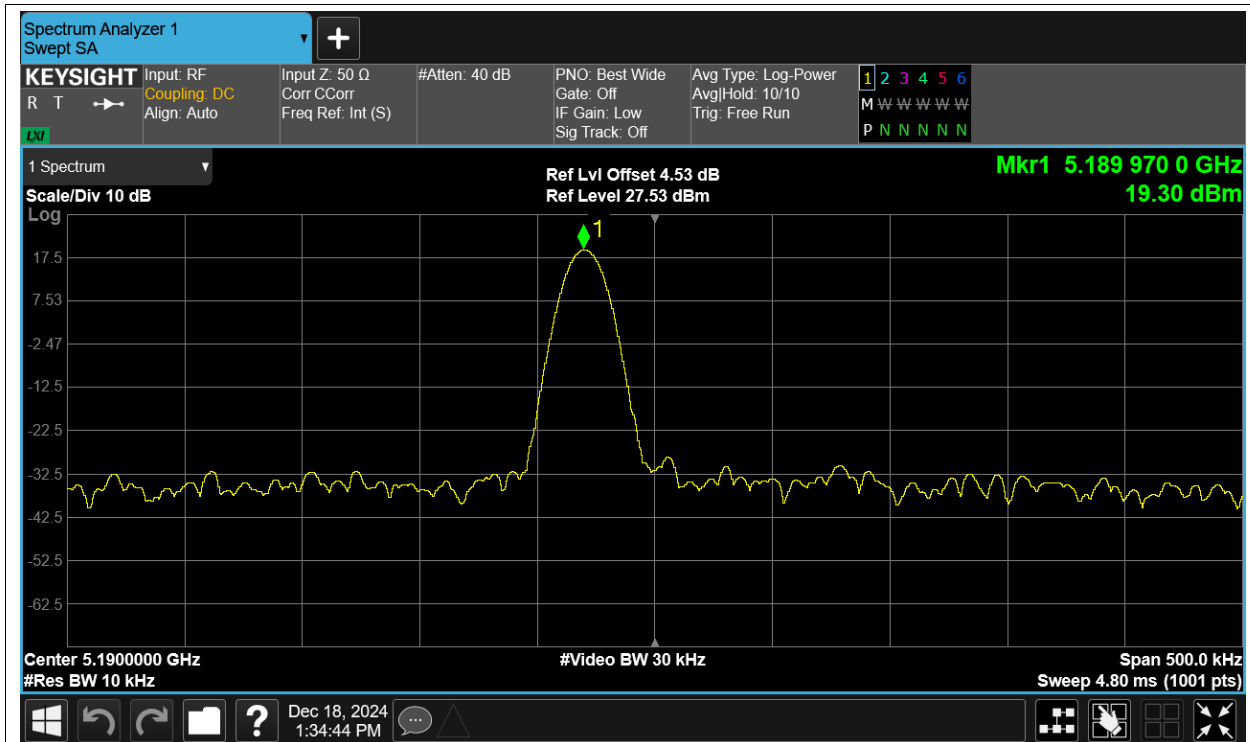
Freq. Stability HVNT n40 5190MHz Ant13



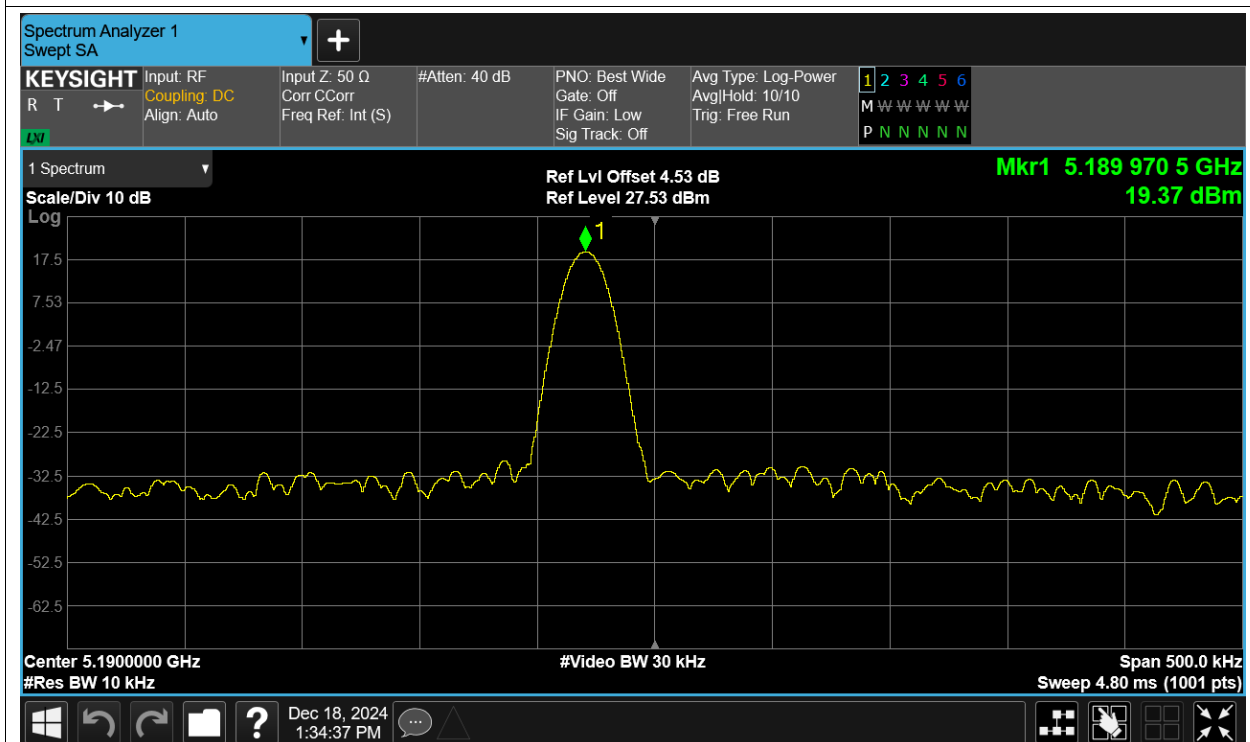
Freq. Stability LVNT n40 5190MHz Ant13



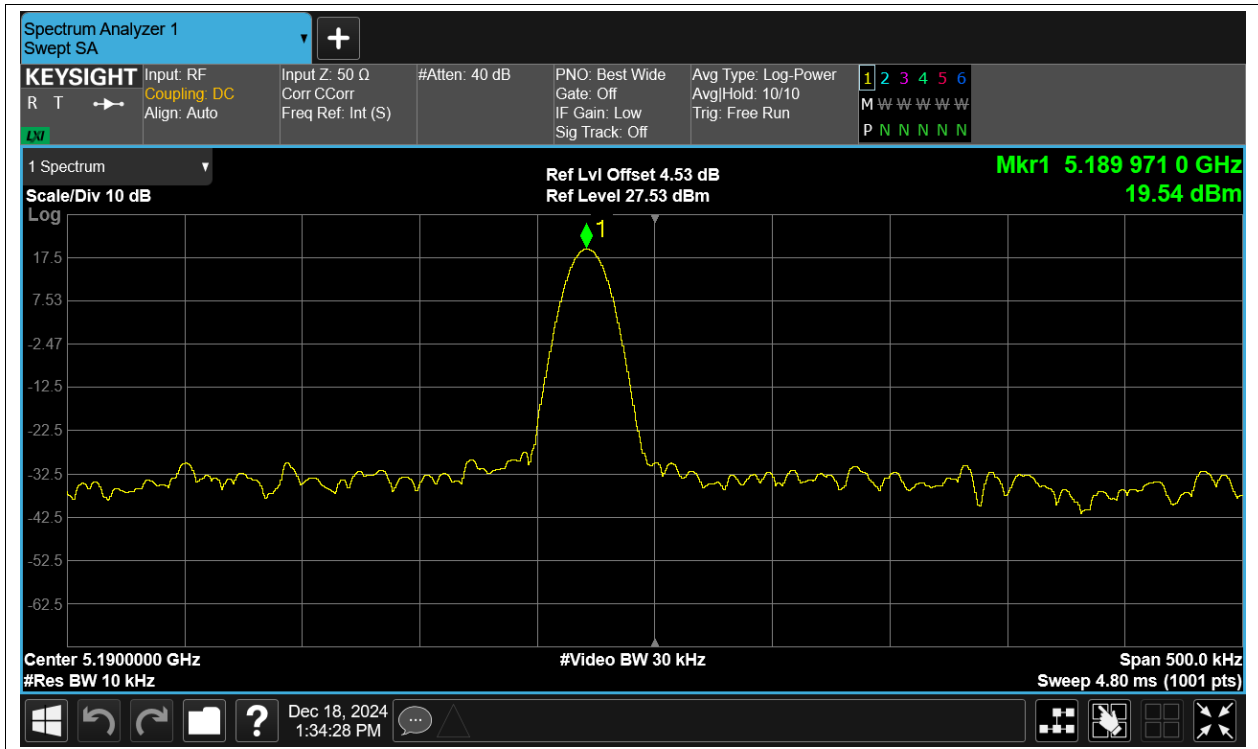
Freq. Stability NVHT n40 5190MHz Ant13



Freq. Stability NVLT n40 5190MHz Ant13



Freq. Stability NVNT n40 5190MHz Ant13

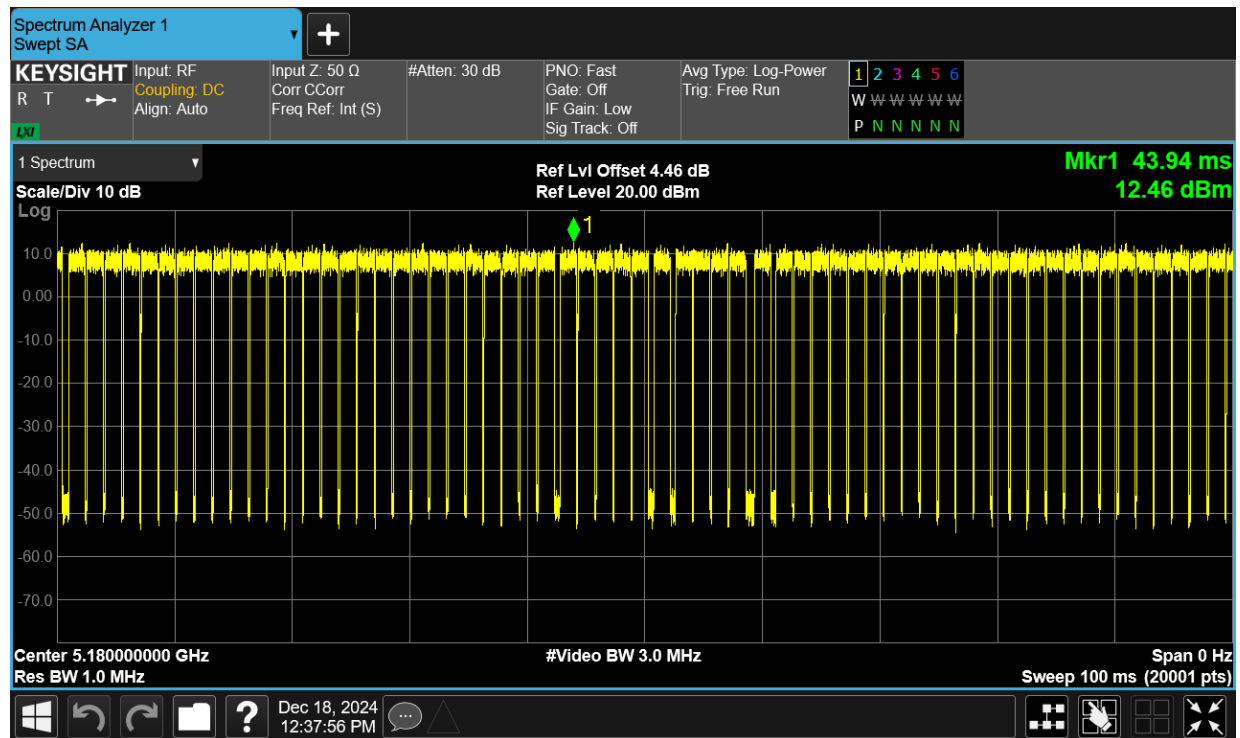


Duty Cycle

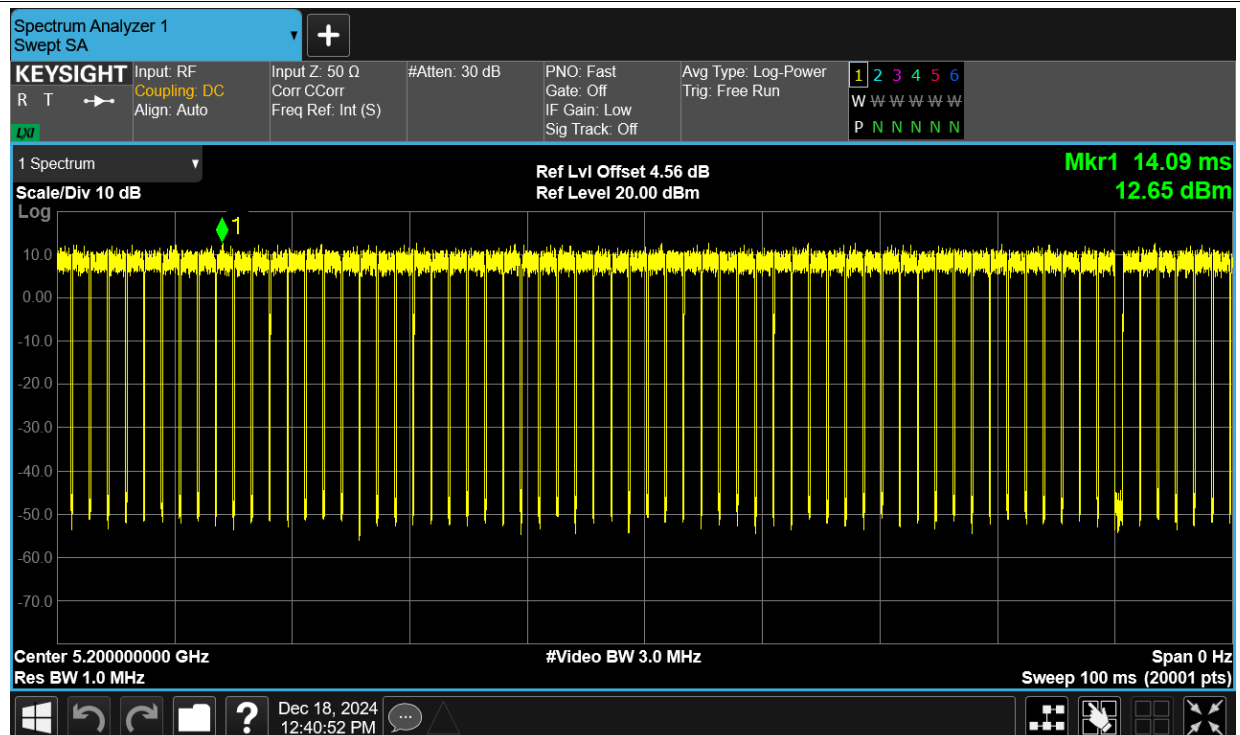
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant13	89.08	0.5
NVNT	a	5200	Ant13	90.78	0.42
NVNT	a	5240	Ant13	90.78	0.42
NVNT	ac20	5180	Ant13	89.82	0.47
NVNT	ac20	5200	Ant13	89.29	0.49
NVNT	ac20	5240	Ant13	88.9	0.51
NVNT	ac40	5190	Ant13	81.58	0.88
NVNT	ac40	5230	Ant13	81.31	0.9
NVNT	ac80	5210	Ant13	68.91	1.62
NVNT	n20	5180	Ant13	89.55	0.48
NVNT	n20	5200	Ant13	89.4	0.49
NVNT	n20	5240	Ant13	89.64	0.47
NVNT	n40	5190	Ant13	81.08	0.91
NVNT	n40	5230	Ant13	81.87	0.87

Test Graphs

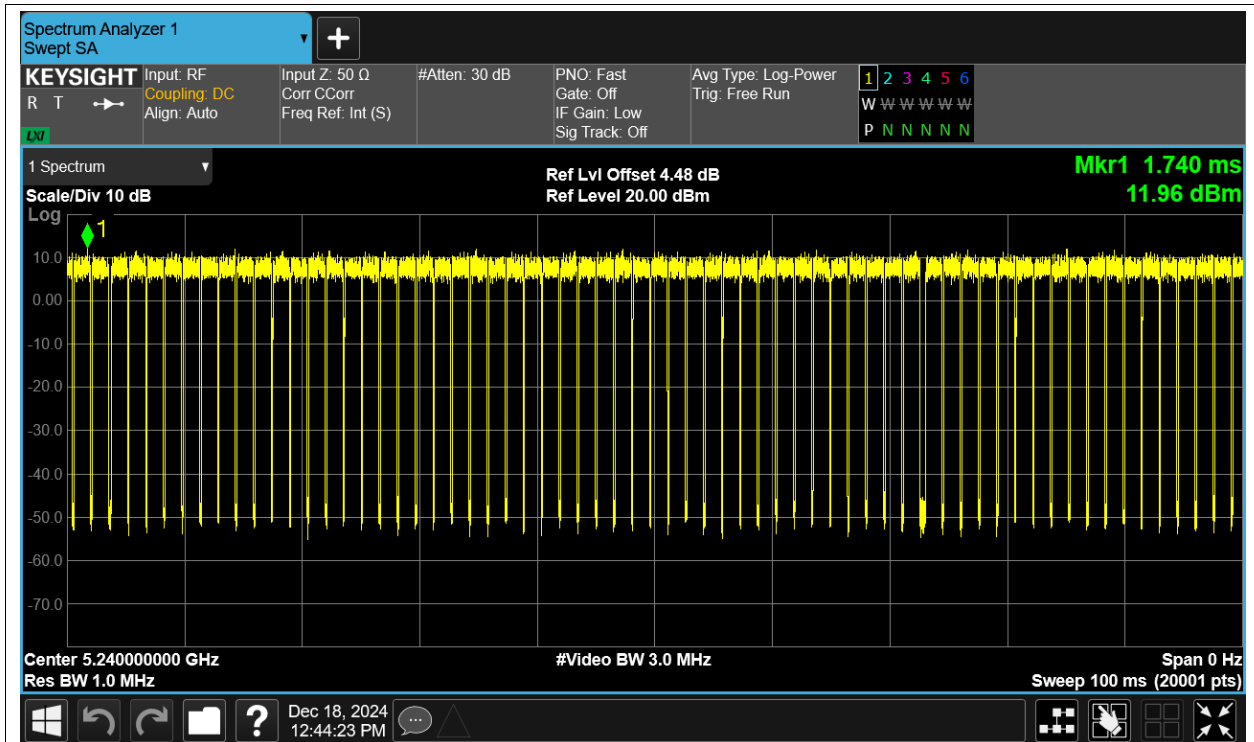
Duty Cycle NVNT a 5180MHz Ant13



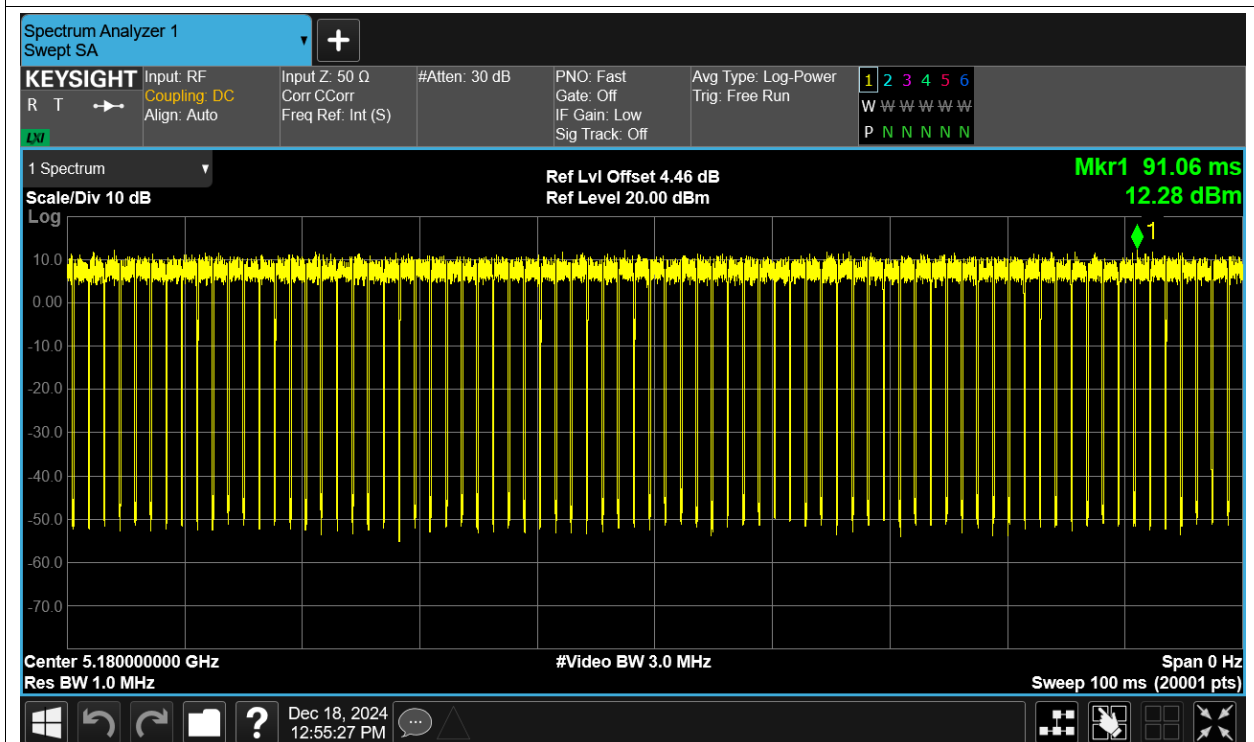
Duty Cycle NVNT a 5200MHz Ant13



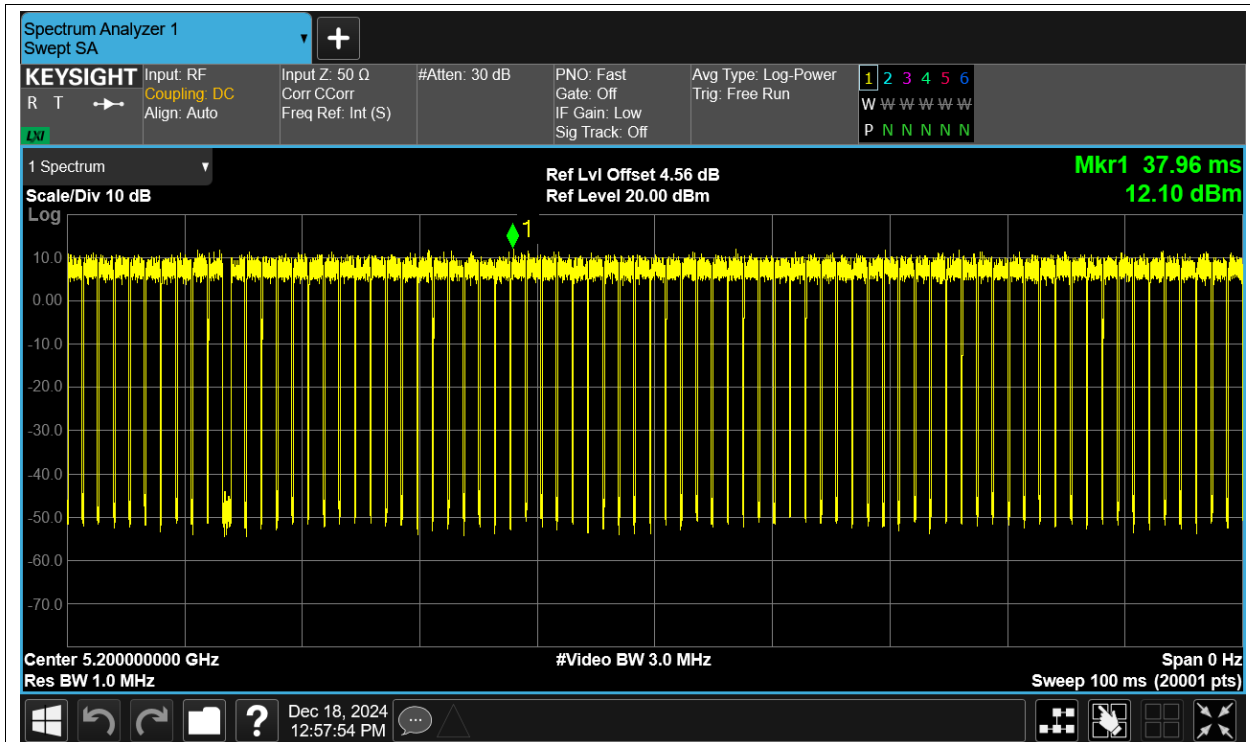
Duty Cycle NVNT a 5240MHz Ant13



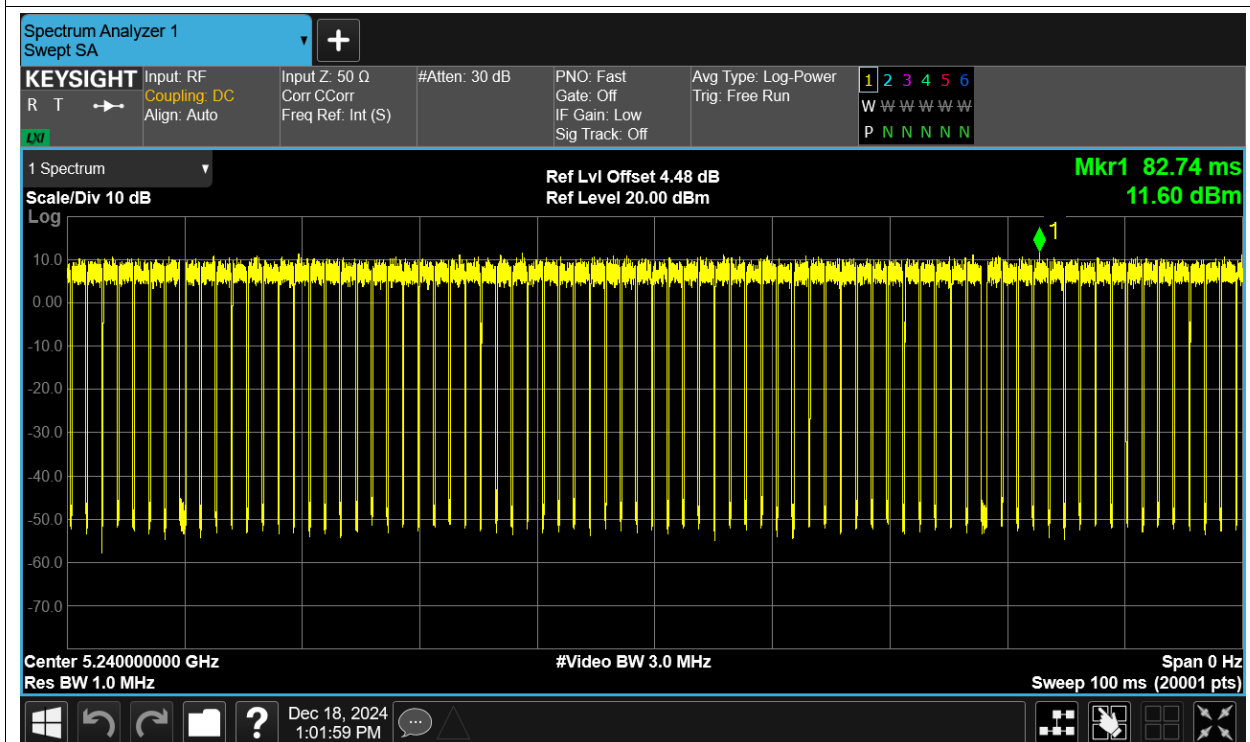
Duty Cycle NVNT ac20 5180MHz Ant13



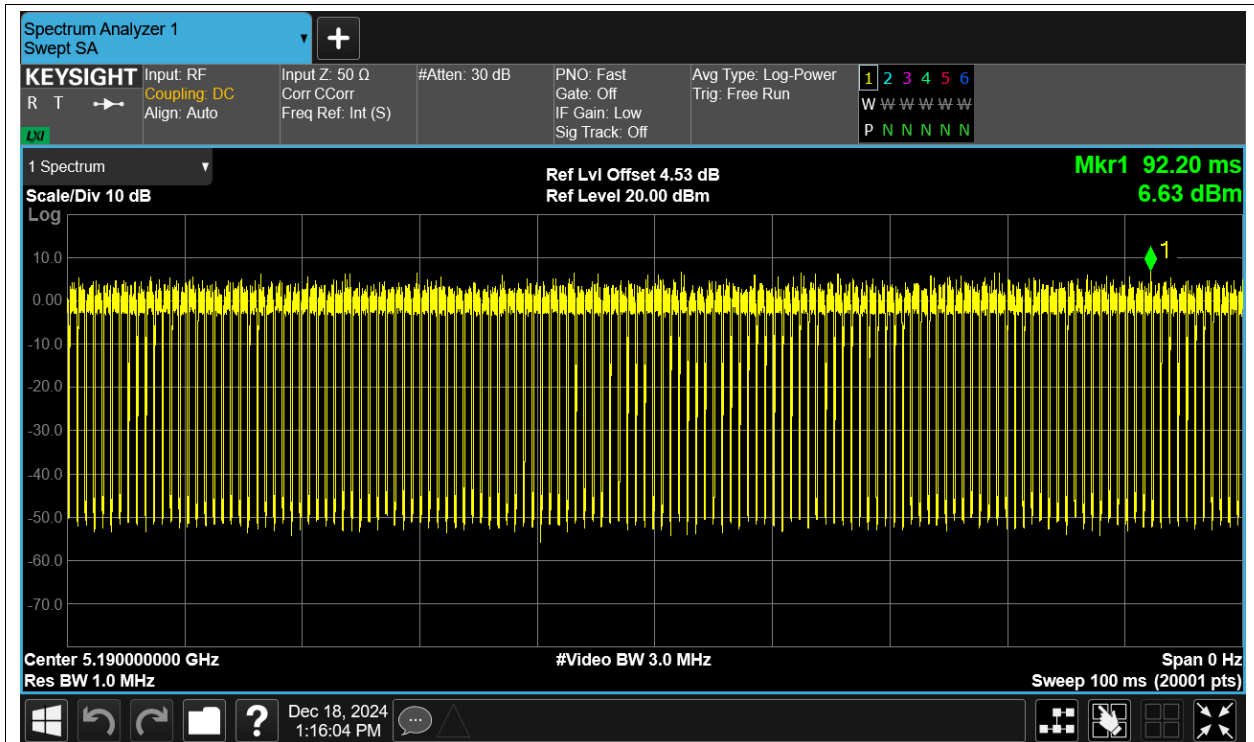
Duty Cycle NVNT ac20 5200MHz Ant13



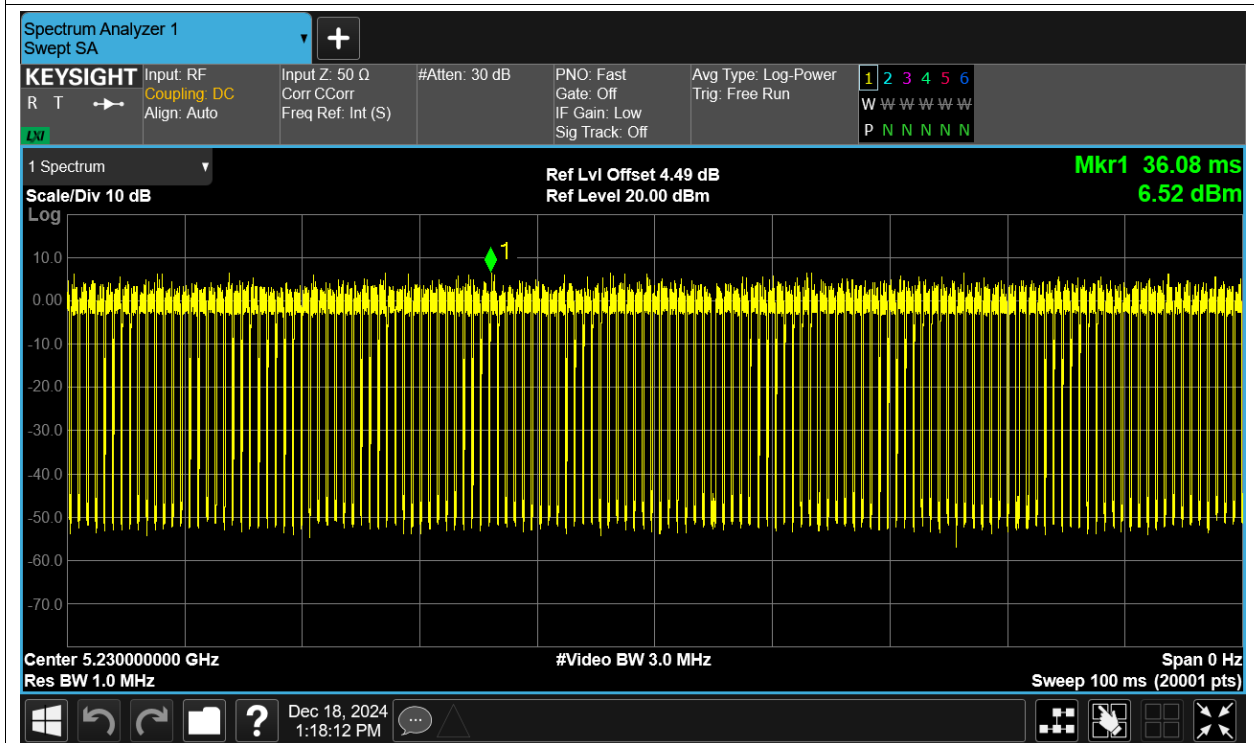
Duty Cycle NVNT ac20 5240MHz Ant13



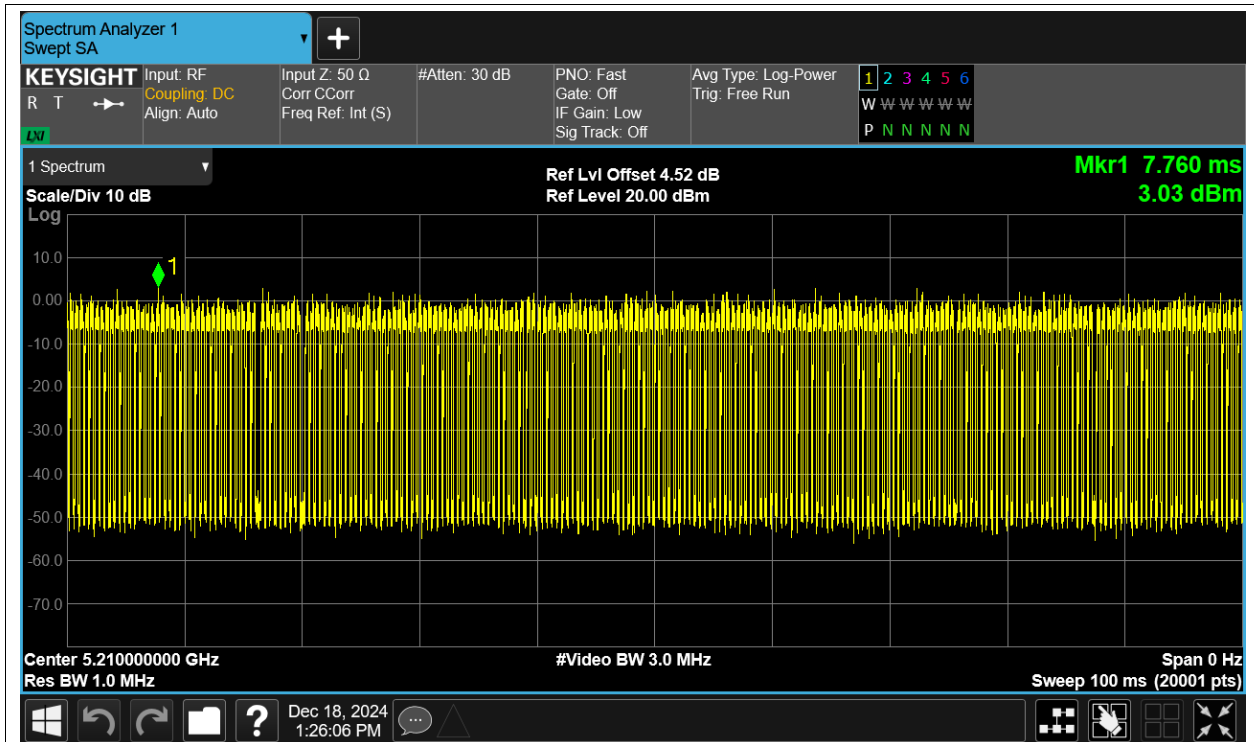
Duty Cycle NVNT ac40 5190MHz Ant13



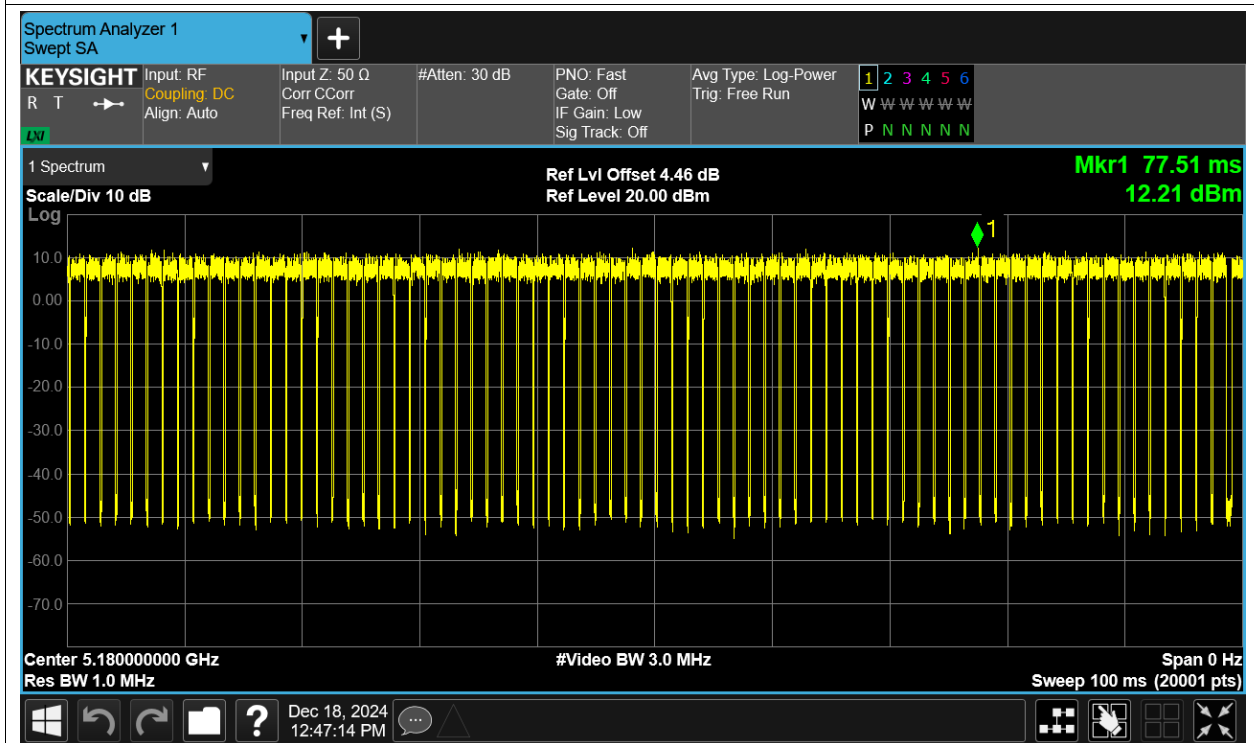
Duty Cycle NVNT ac40 5230MHz Ant13



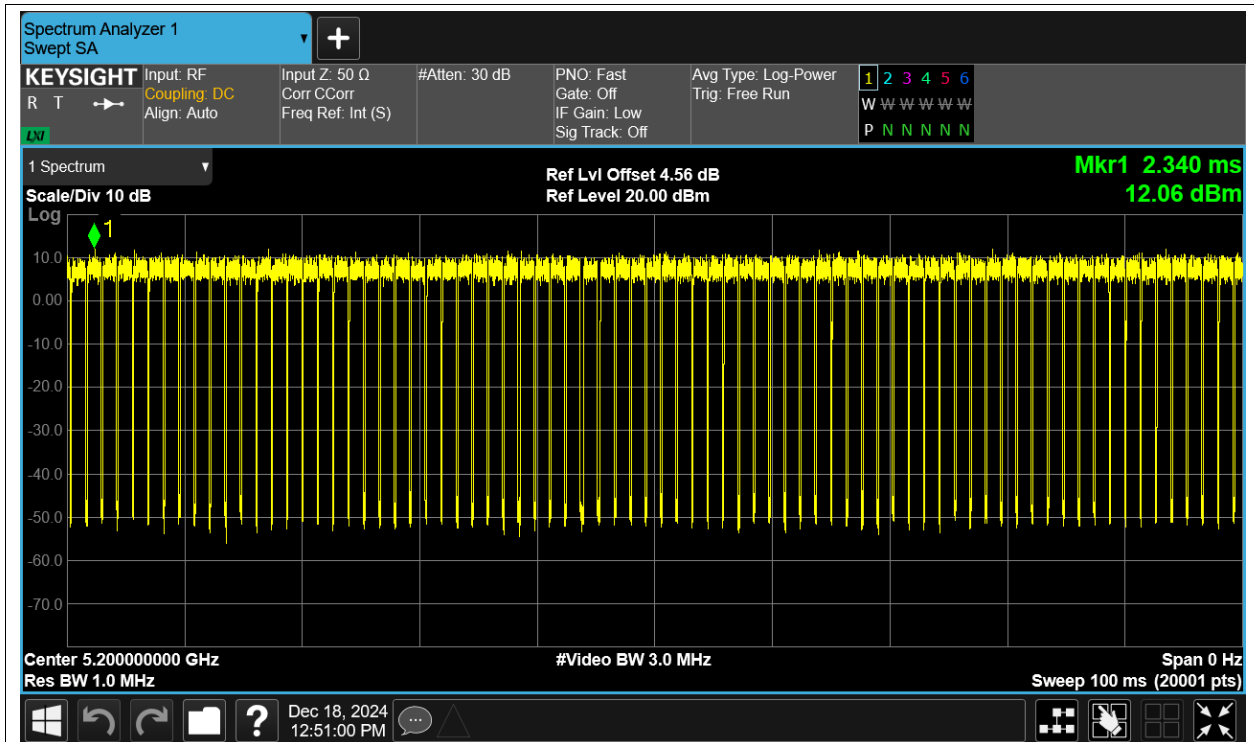
Duty Cycle NVNT ac80 5210MHz Ant13



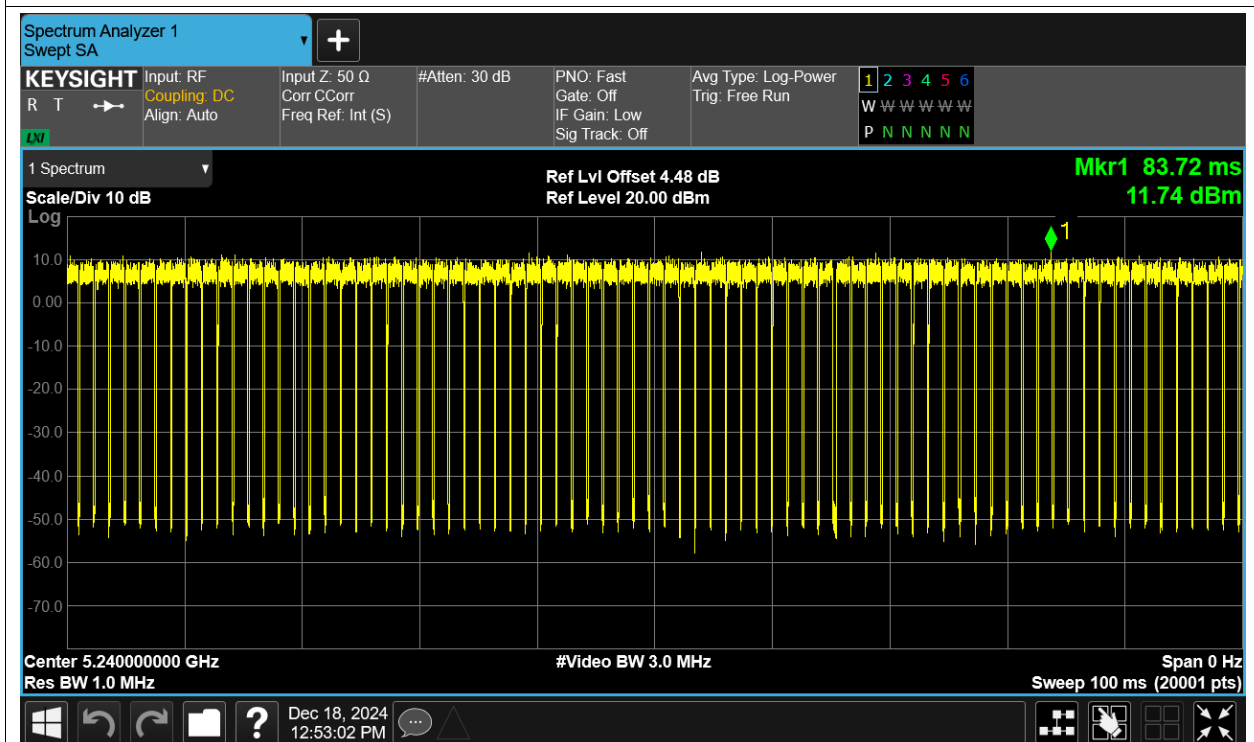
Duty Cycle NVNT n20 5180MHz Ant13



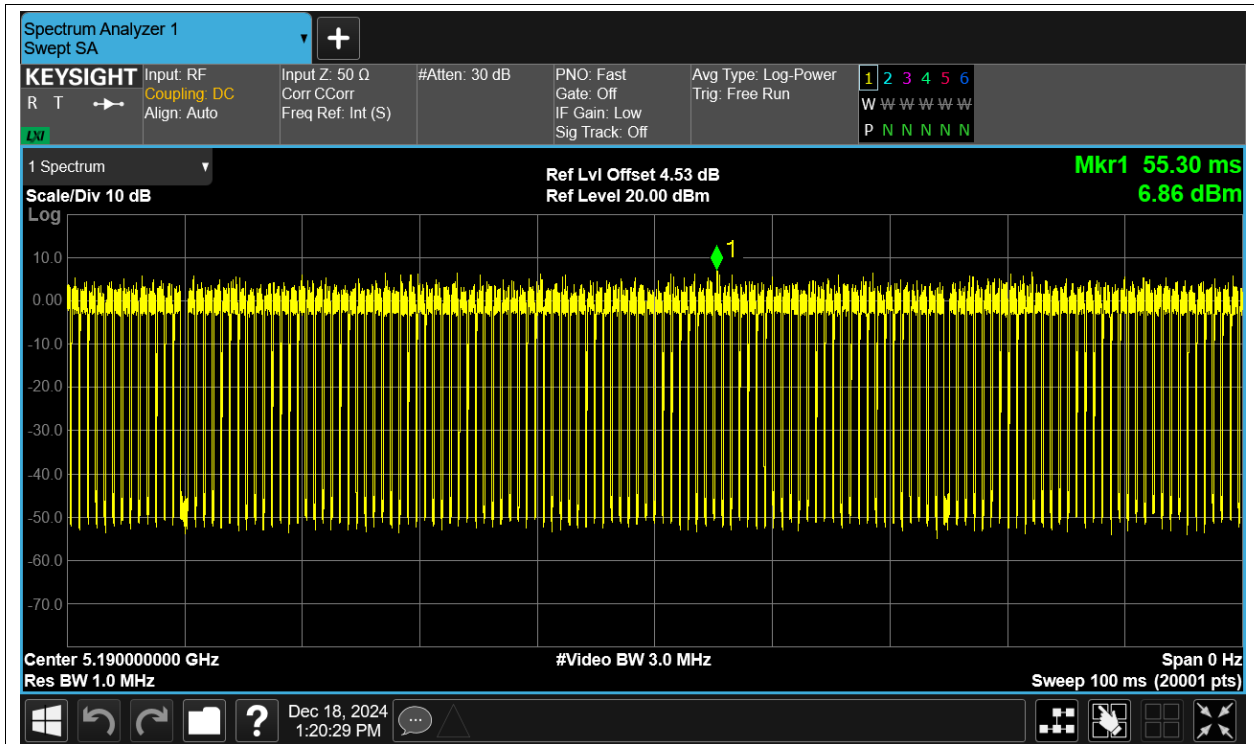
Duty Cycle NVNT n20 5200MHz Ant13



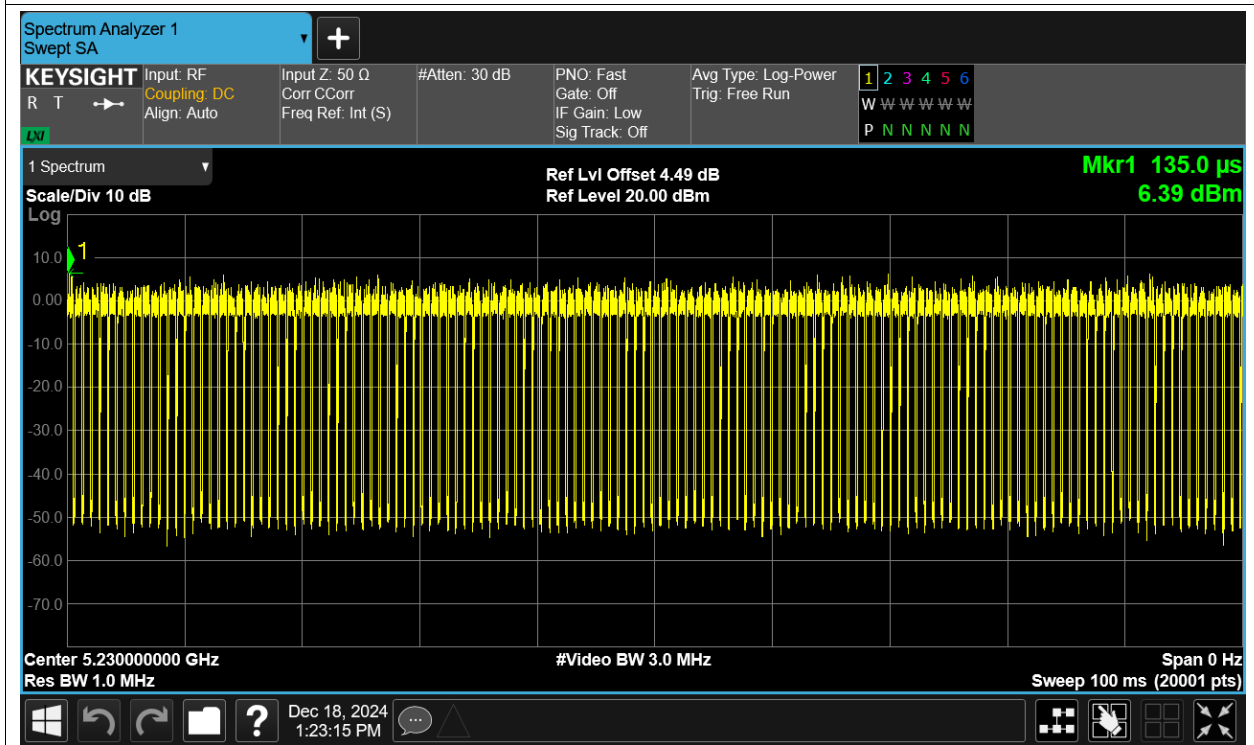
Duty Cycle NVNT n20 5240MHz Ant13



Duty Cycle NVNT n40 5190MHz Ant13



Duty Cycle NVNT n40 5230MHz Ant13



Maximum Conducted Output Power

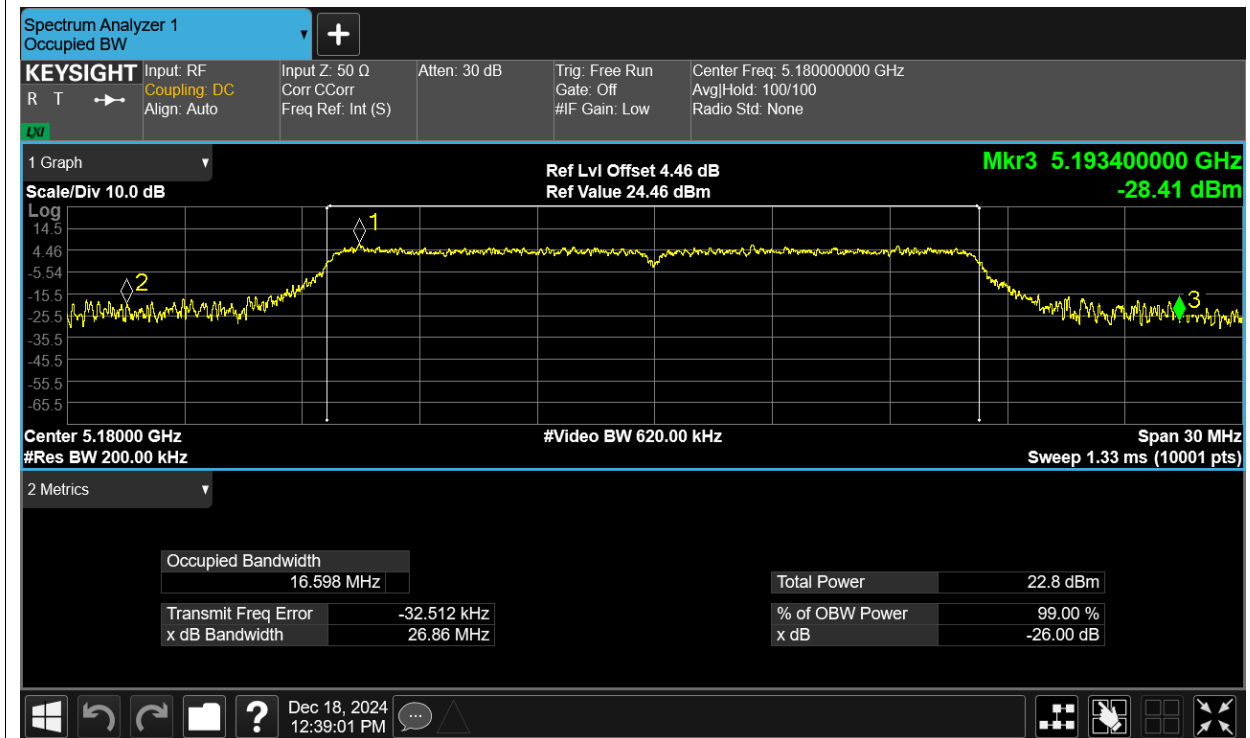
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant13	16.72	0.5	17.22	24	Pass
NVNT	a	5200	Ant13	16.97	0.42	17.39	24	Pass
NVNT	a	5240	Ant13	16.41	0.42	16.83	24	Pass
NVNT	ac20	5180	Ant13	16.15	0.47	16.62	24	Pass
NVNT	ac20	5200	Ant13	16.16	0.49	16.65	24	Pass
NVNT	ac20	5240	Ant13	15.69	0.51	16.2	24	Pass
NVNT	ac40	5190	Ant13	15.98	0.88	16.86	23	Pass
NVNT	ac40	5230	Ant13	15.37	0.9	16.27	24	Pass
NVNT	ac80	5210	Ant13	14.27	1.62	15.89	24	Pass
NVNT	n20	5180	Ant13	16.16	0.48	16.64	24	Pass
NVNT	n20	5200	Ant13	16.1	0.49	16.59	24	Pass
NVNT	n20	5240	Ant13	15.71	0.47	16.18	24	Pass
NVNT	n40	5190	Ant13	15.96	0.91	16.87	24	Pass
NVNT	n40	5230	Ant13	14.88	0.87	15.75	24	Pass

-26dB Bandwidth

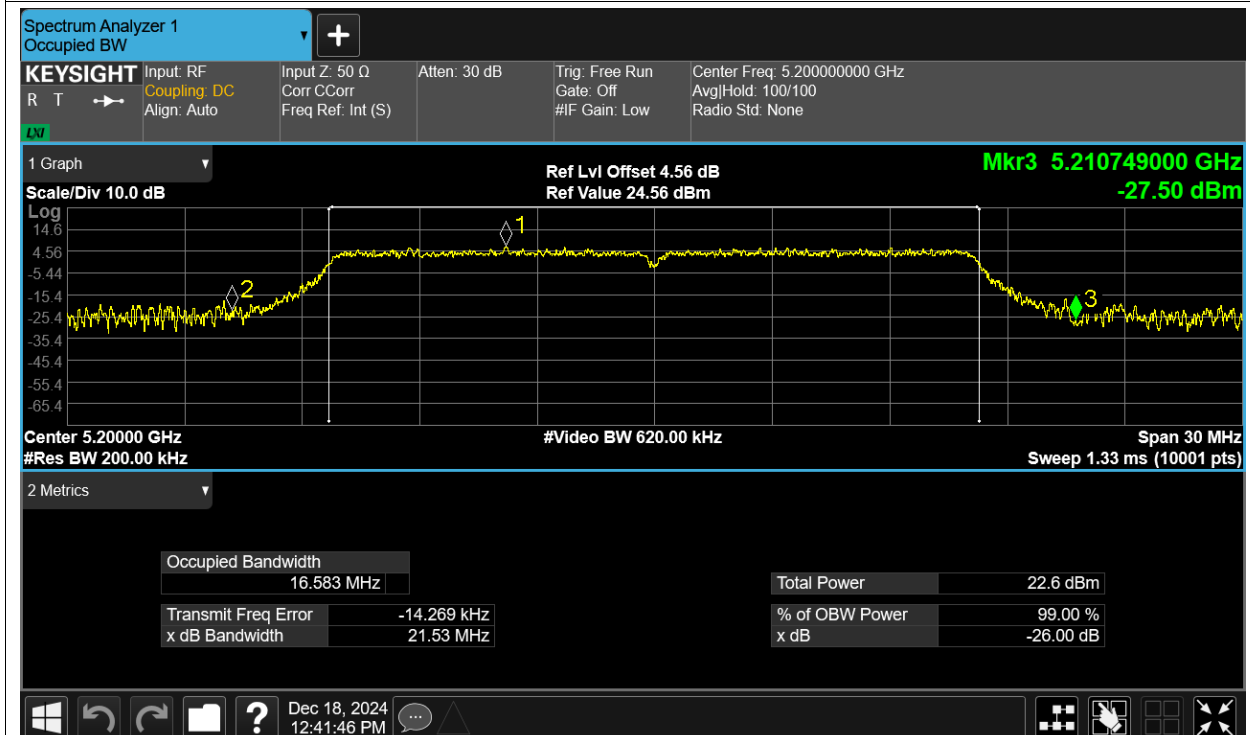
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant13	26.864
NVNT	a	5200	Ant13	21.526
NVNT	a	5240	Ant13	23.52
NVNT	ac20	5180	Ant13	27.124
NVNT	ac20	5200	Ant13	22.963
NVNT	ac20	5240	Ant13	24.087
NVNT	ac40	5190	Ant13	54.634
NVNT	ac40	5230	Ant13	55.02
NVNT	ac80	5210	Ant13	77.778
NVNT	n20	5180	Ant13	26.612
NVNT	n20	5200	Ant13	26.844
NVNT	n20	5240	Ant13	26.354
NVNT	n40	5190	Ant13	58.403
NVNT	n40	5230	Ant13	57.657

Test Graphs

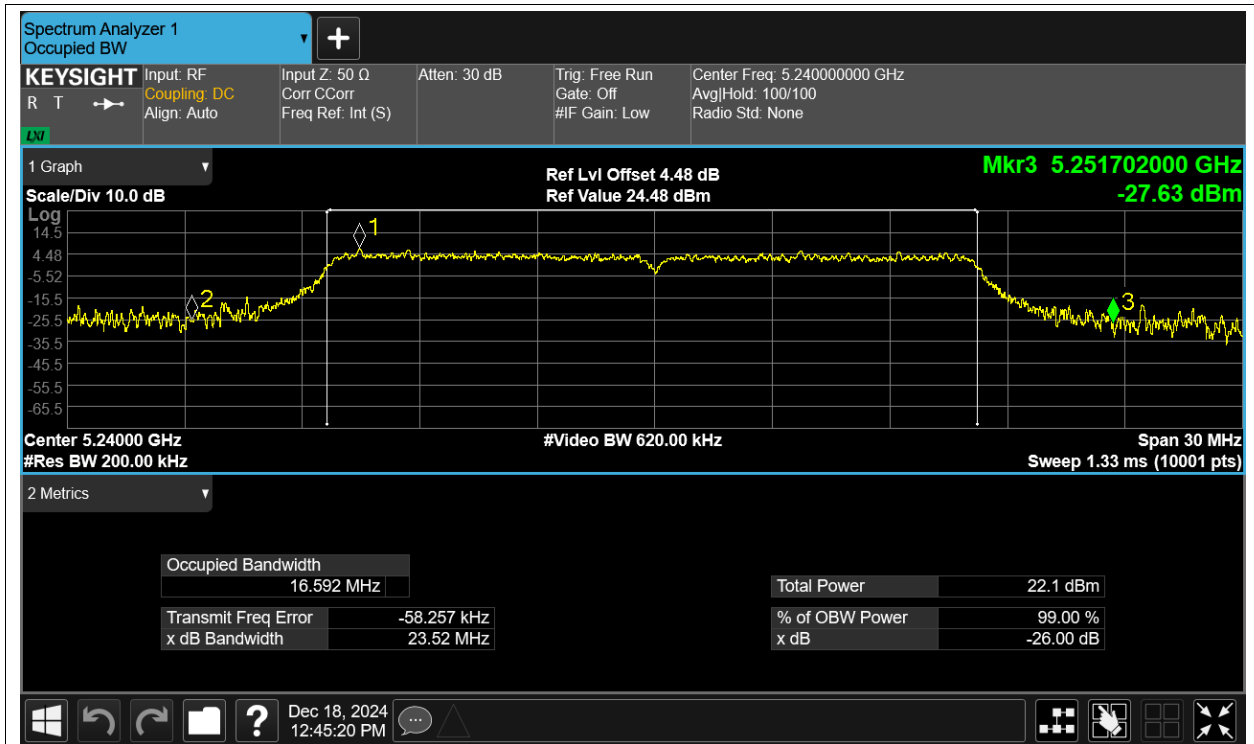
-26dB Bandwidth NVNT a 5180MHz Ant13



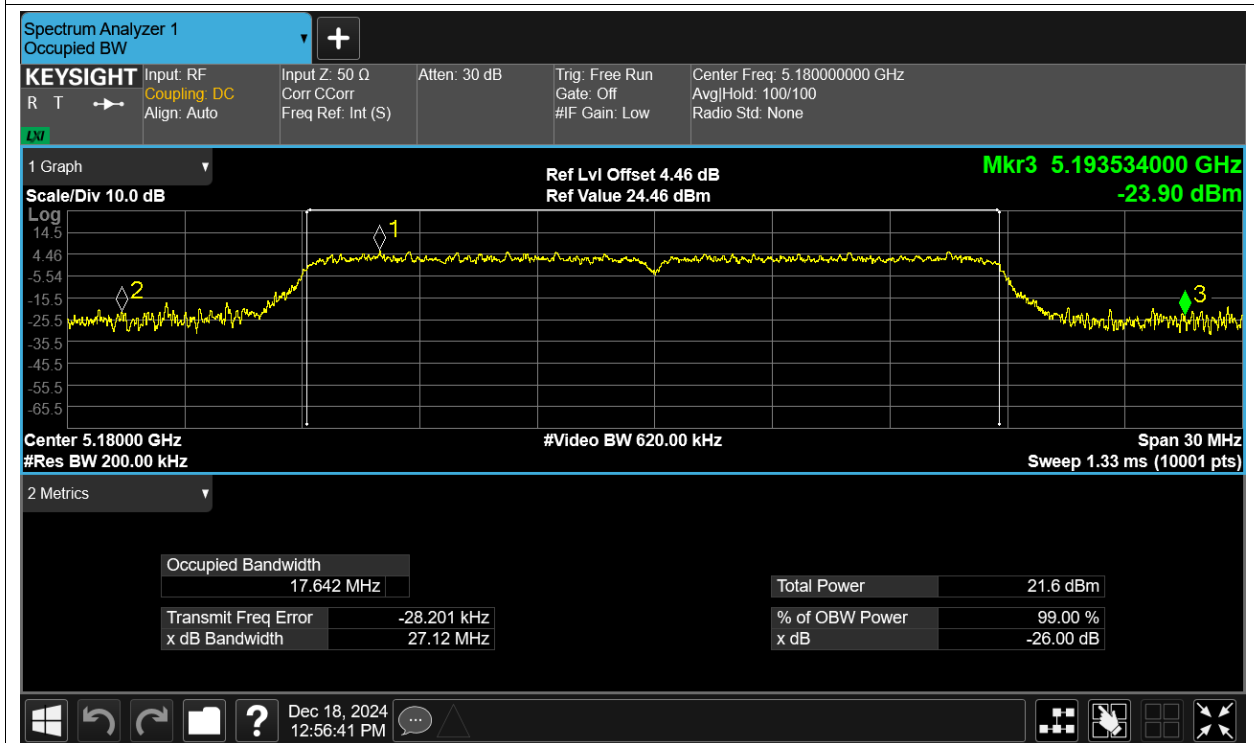
-26dB Bandwidth NVNT a 5200MHz Ant13



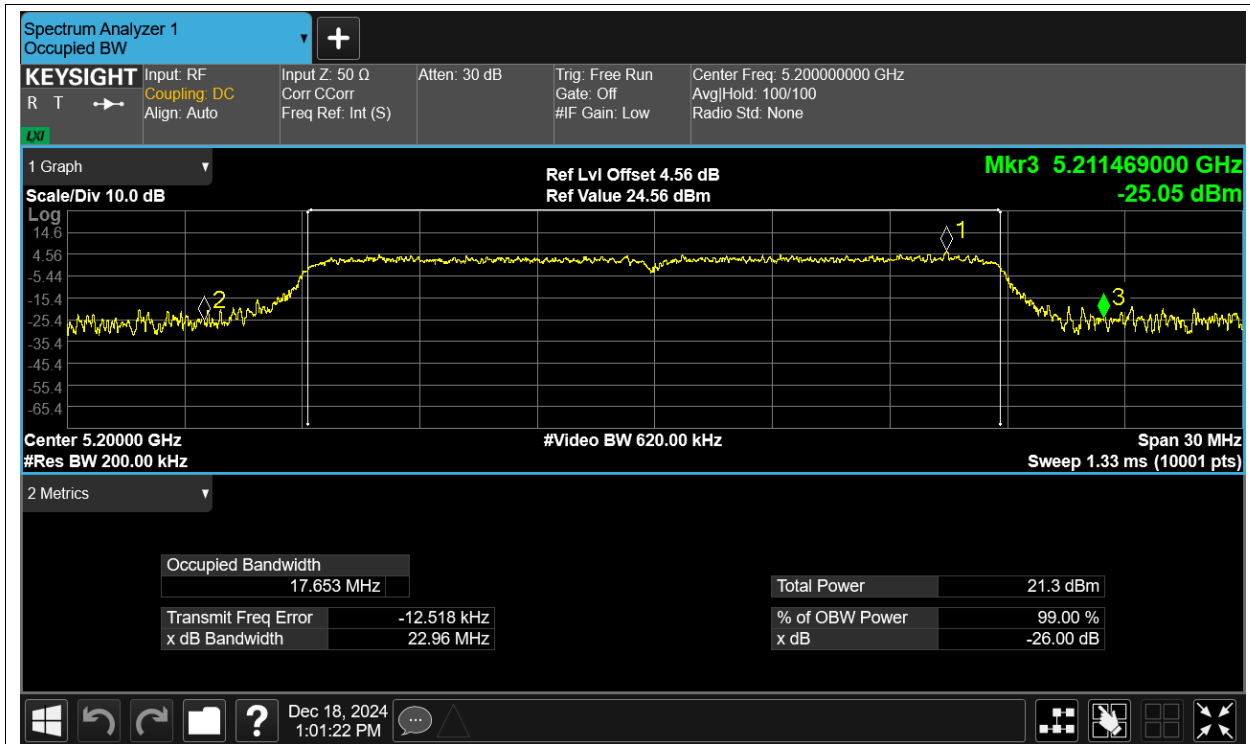
-26dB Bandwidth NVNT a 5240MHz Ant13



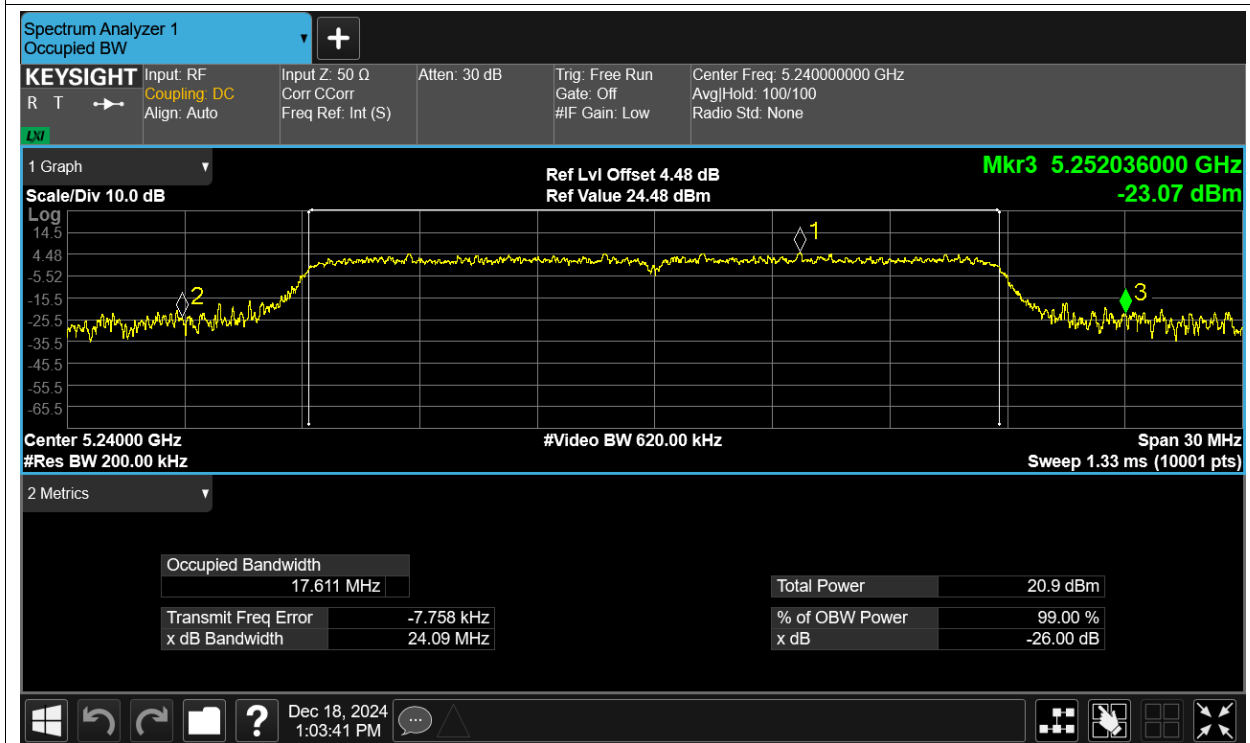
-26dB Bandwidth NVNT ac20 5180MHz Ant13



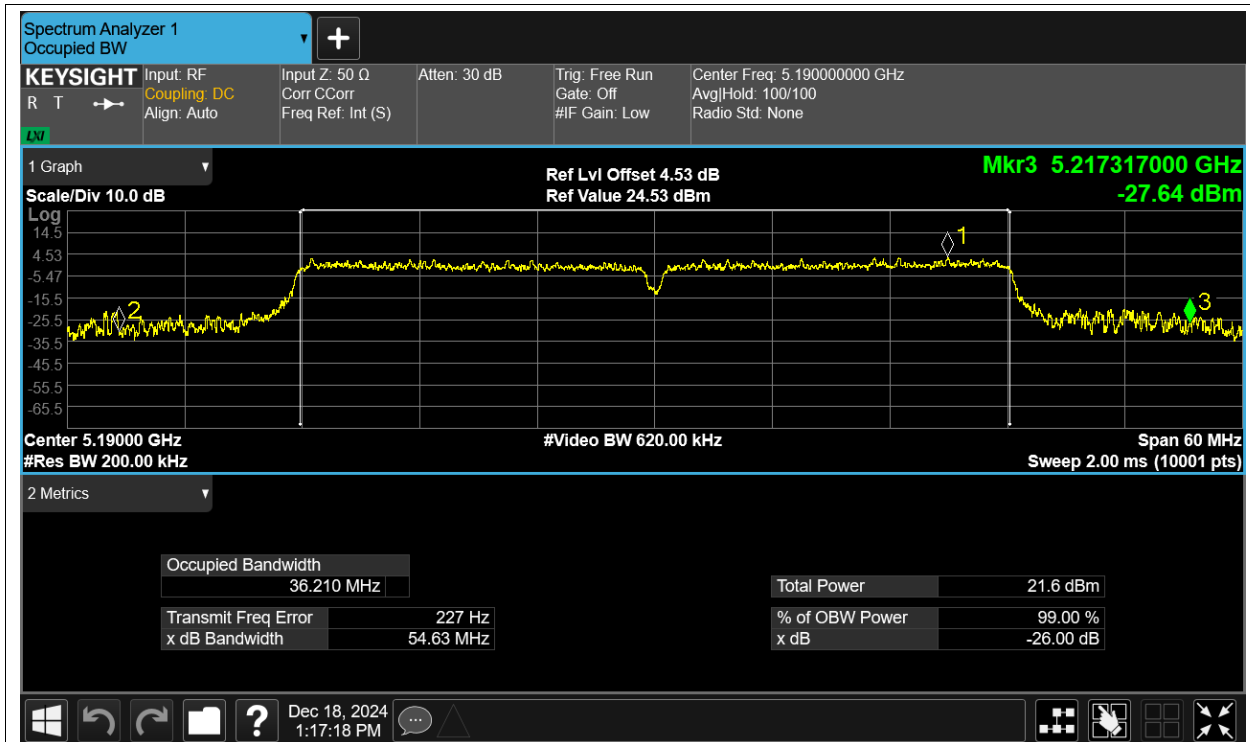
-26dB Bandwidth NVNT ac20 5200MHz Ant13



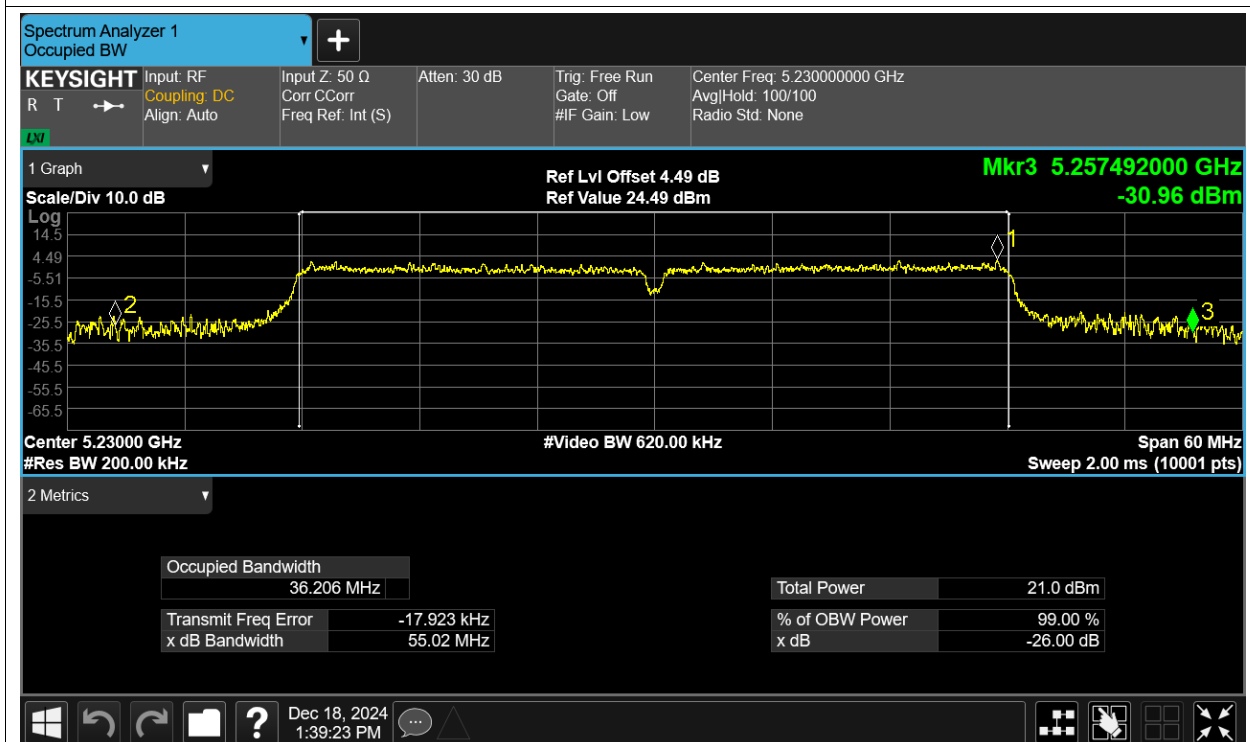
-26dB Bandwidth NVNT ac20 5240MHz Ant13



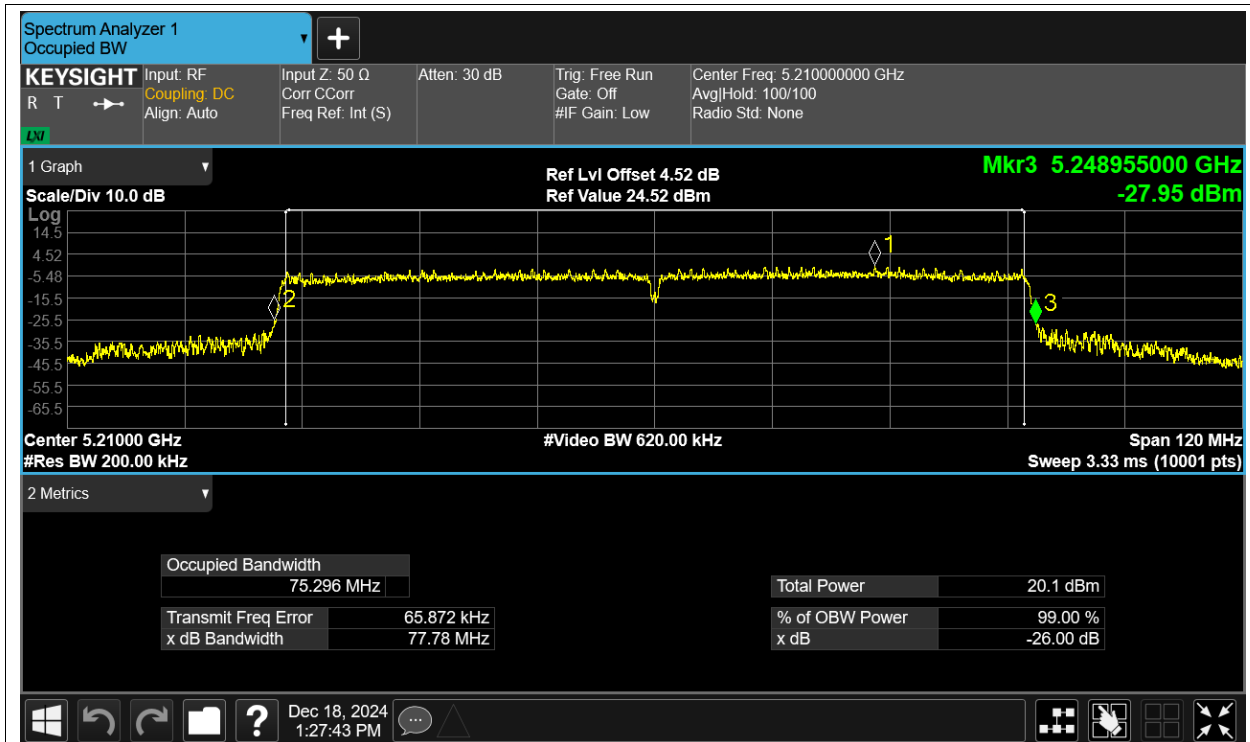
-26dB Bandwidth NVNT ac40 5190MHz Ant13



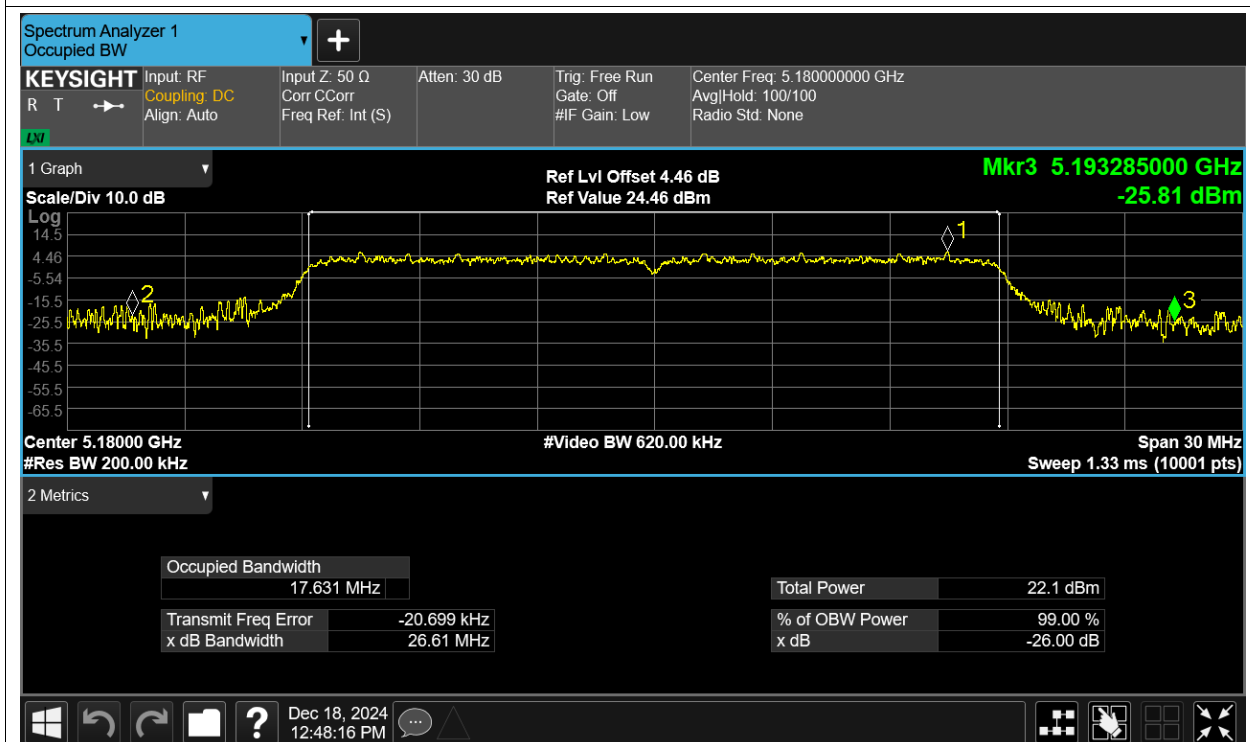
-26dB Bandwidth NVNT ac40 5230MHz Ant13



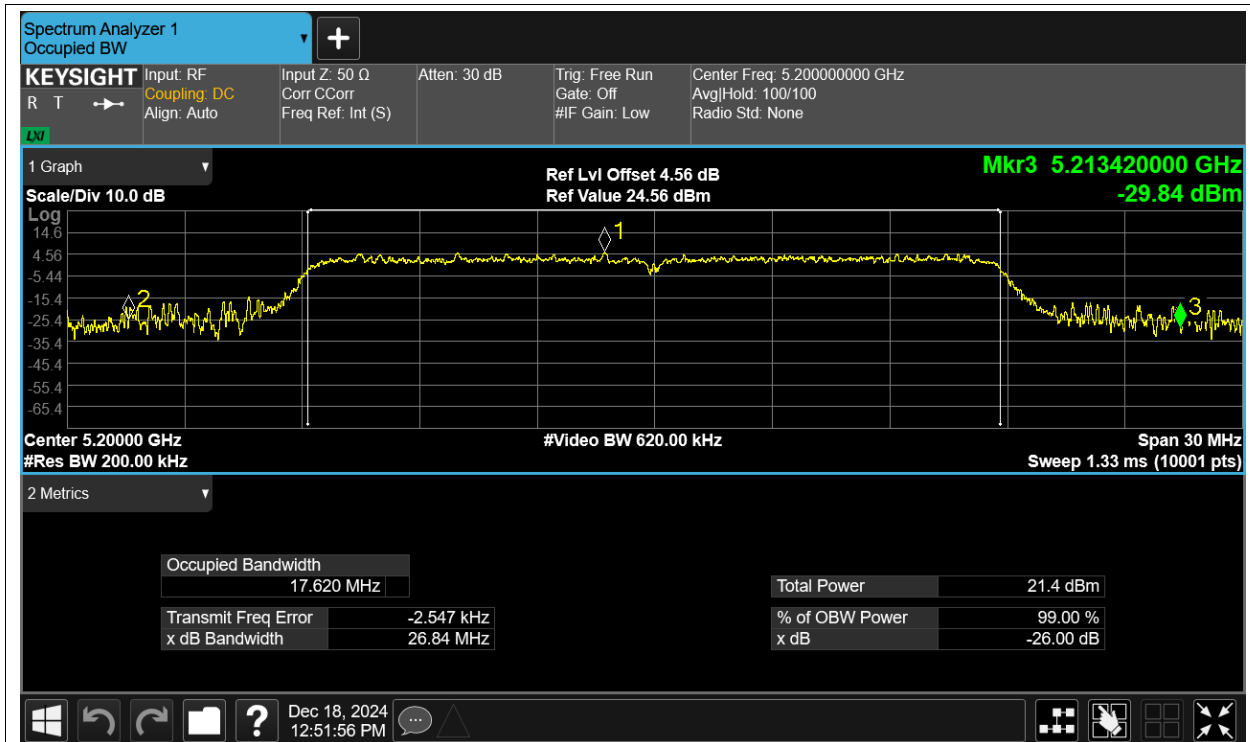
-26dB Bandwidth NVNT ac80 5210MHz Ant13



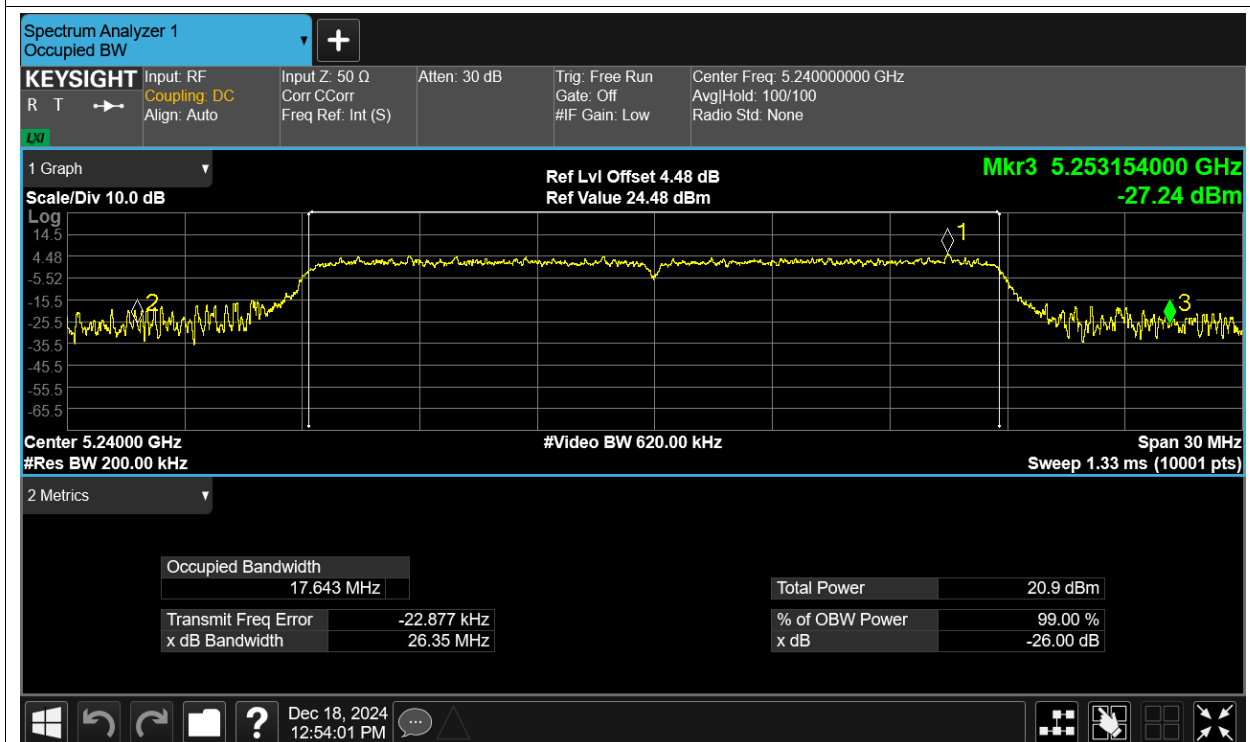
-26dB Bandwidth NVNT n20 5180MHz Ant13



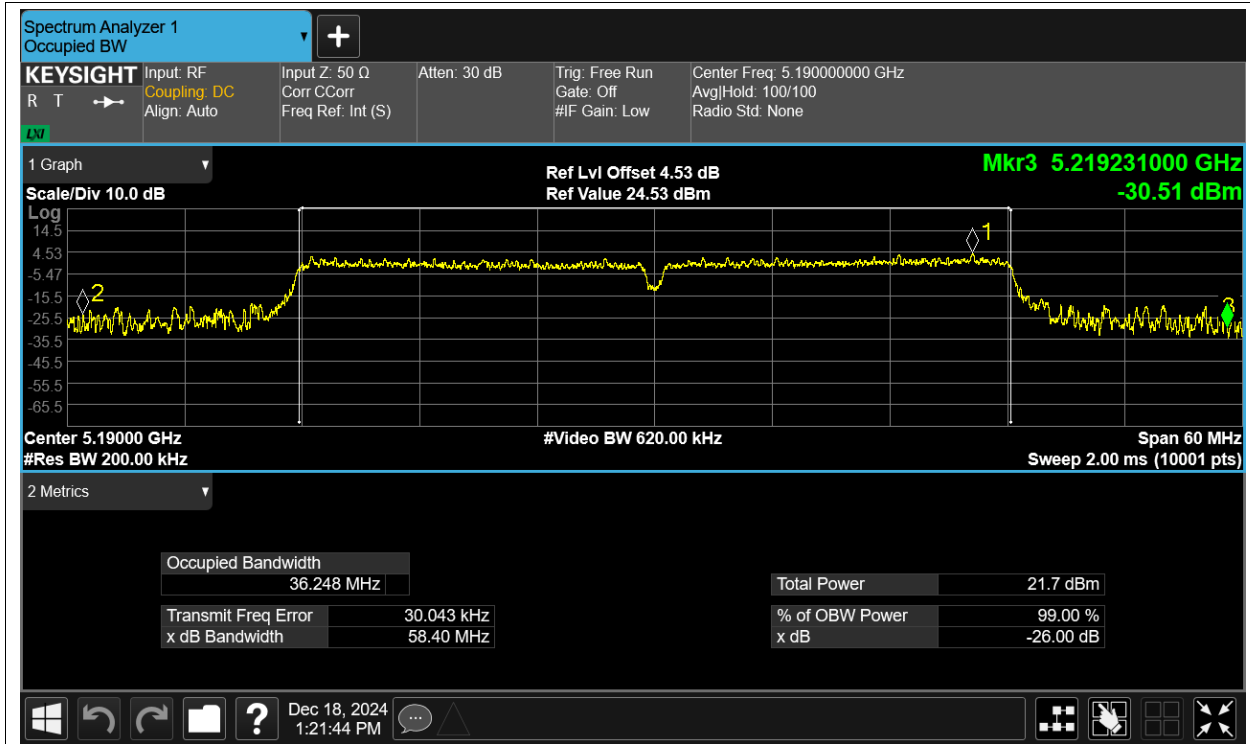
-26dB Bandwidth NVNT n20 5200MHz Ant13



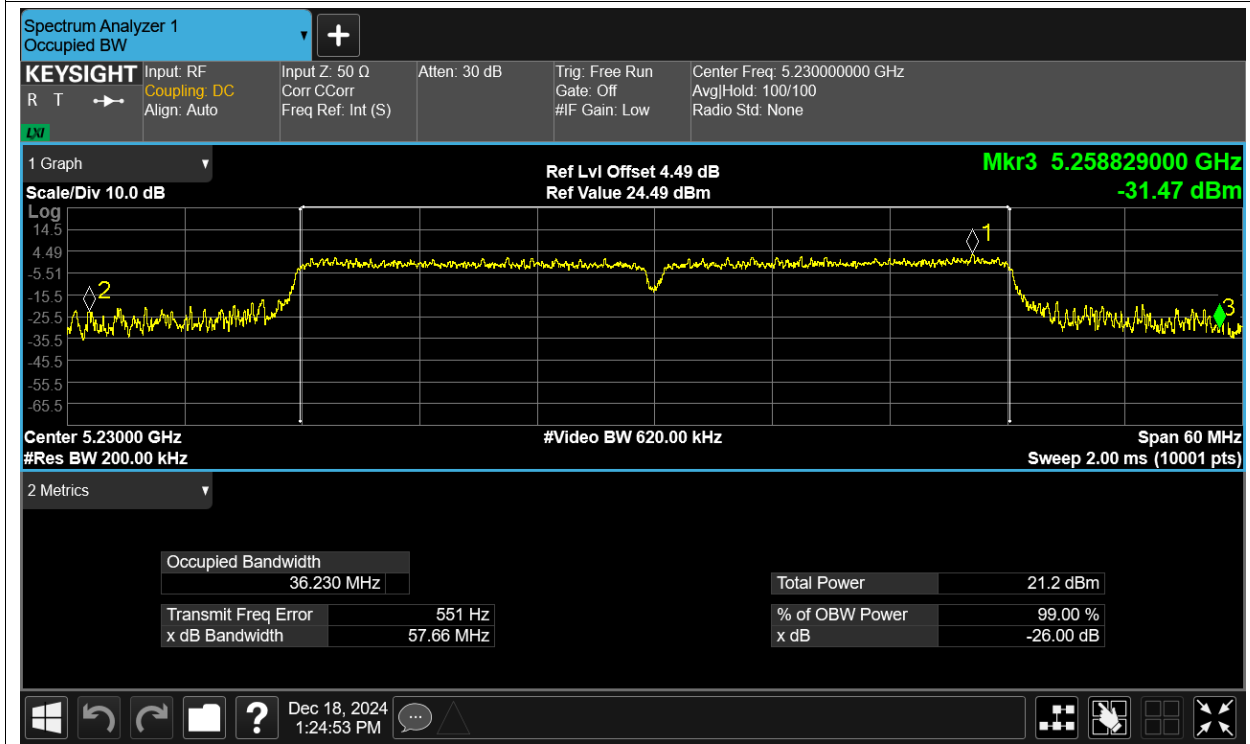
-26dB Bandwidth NVNT n20 5240MHz Ant13



-26dB Bandwidth NVNT n40 5190MHz Ant13



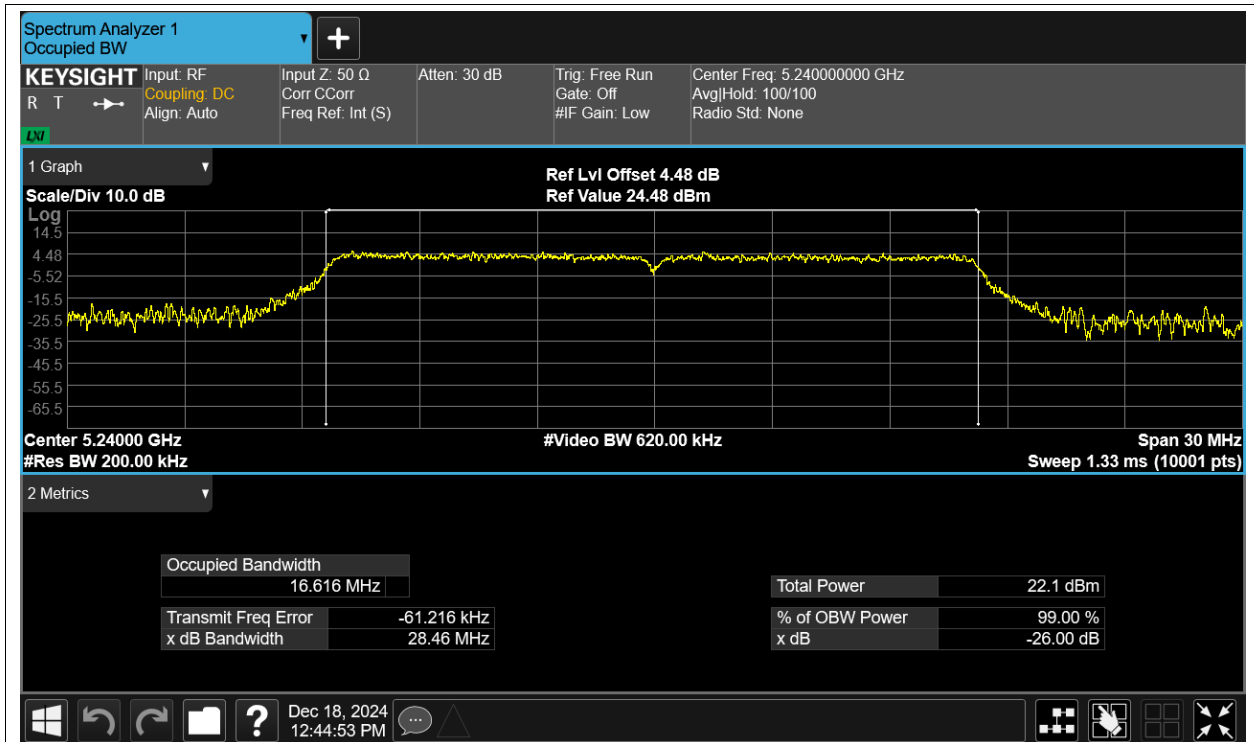
-26dB Bandwidth NVNT n40 5230MHz Ant13



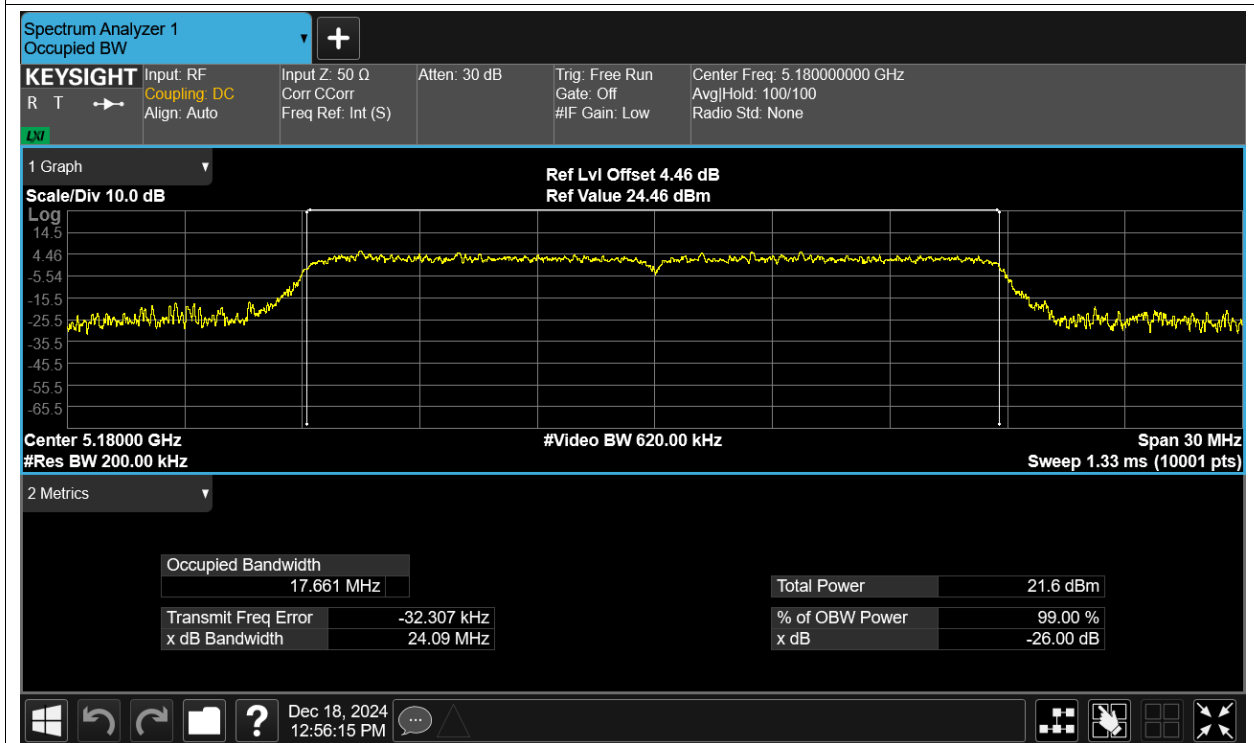
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant13	16.561
NVNT	a	5200	Ant13	16.566
NVNT	a	5240	Ant13	16.616
NVNT	ac20	5180	Ant13	17.661
NVNT	ac20	5200	Ant13	17.641
NVNT	ac20	5240	Ant13	17.604
NVNT	ac40	5190	Ant13	36.441
NVNT	ac40	5230	Ant13	36.323
NVNT	ac80	5210	Ant13	75.426
NVNT	n20	5180	Ant13	17.642
NVNT	n20	5200	Ant13	17.66
NVNT	n20	5240	Ant13	17.654
NVNT	n40	5190	Ant13	36.457
NVNT	n40	5230	Ant13	36.439

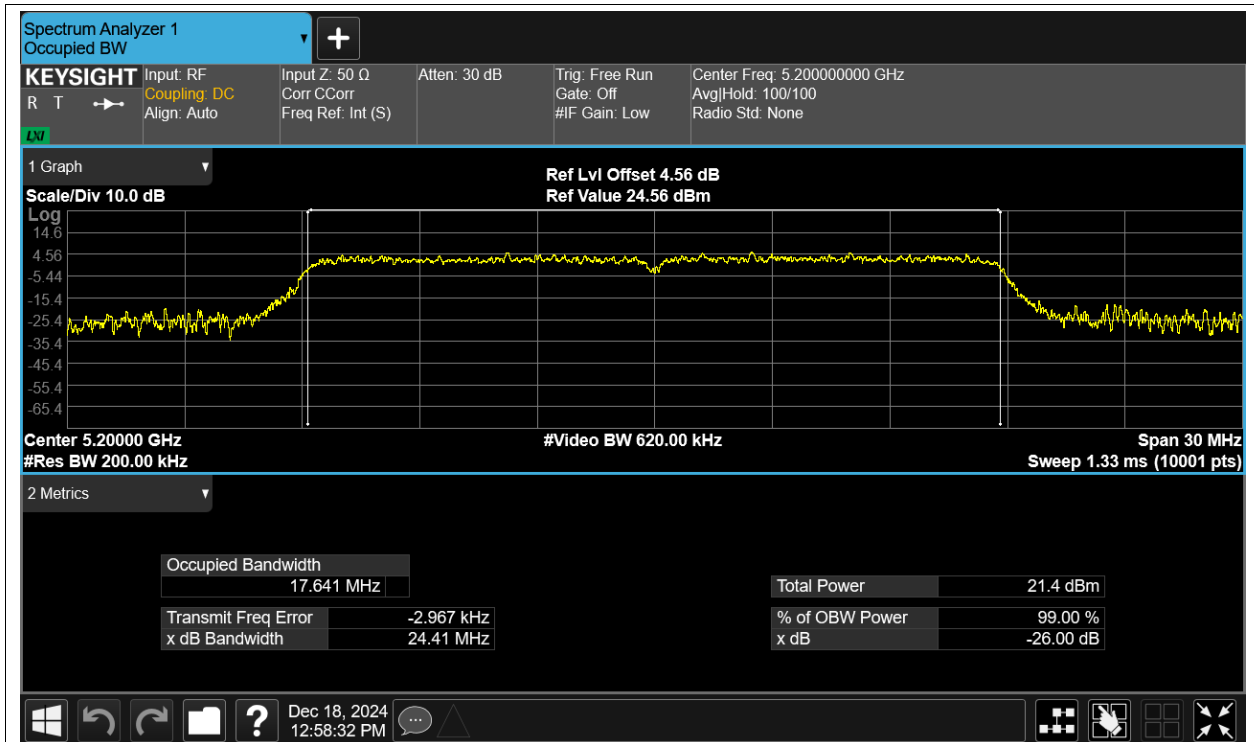




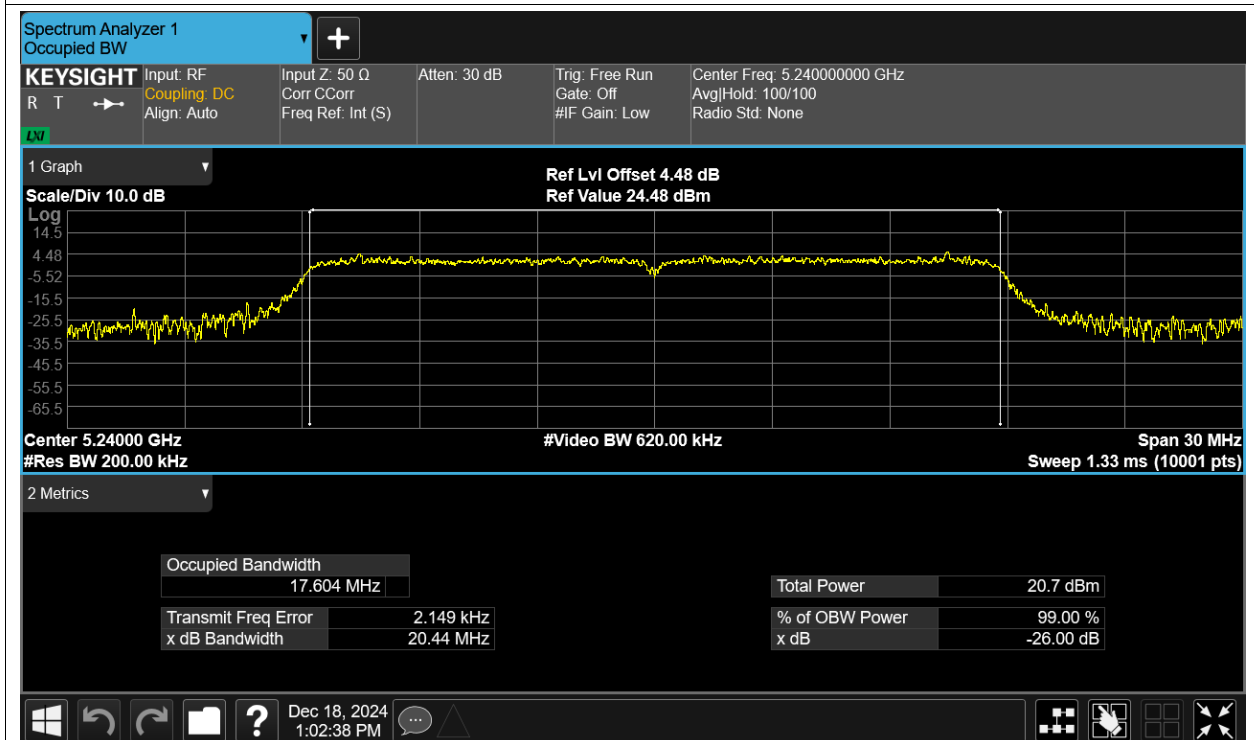
OBW NVNT ac20 5180MHz Ant13



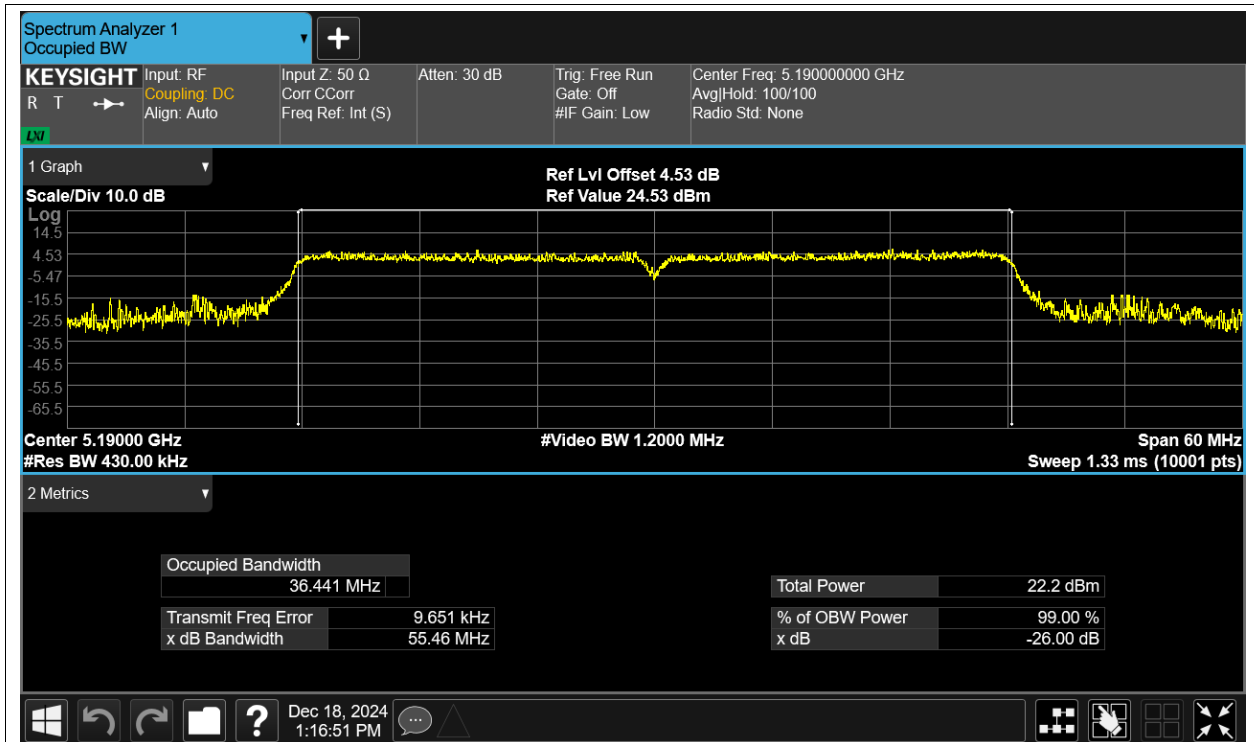
OBW NVNT ac20 5200MHz Ant13



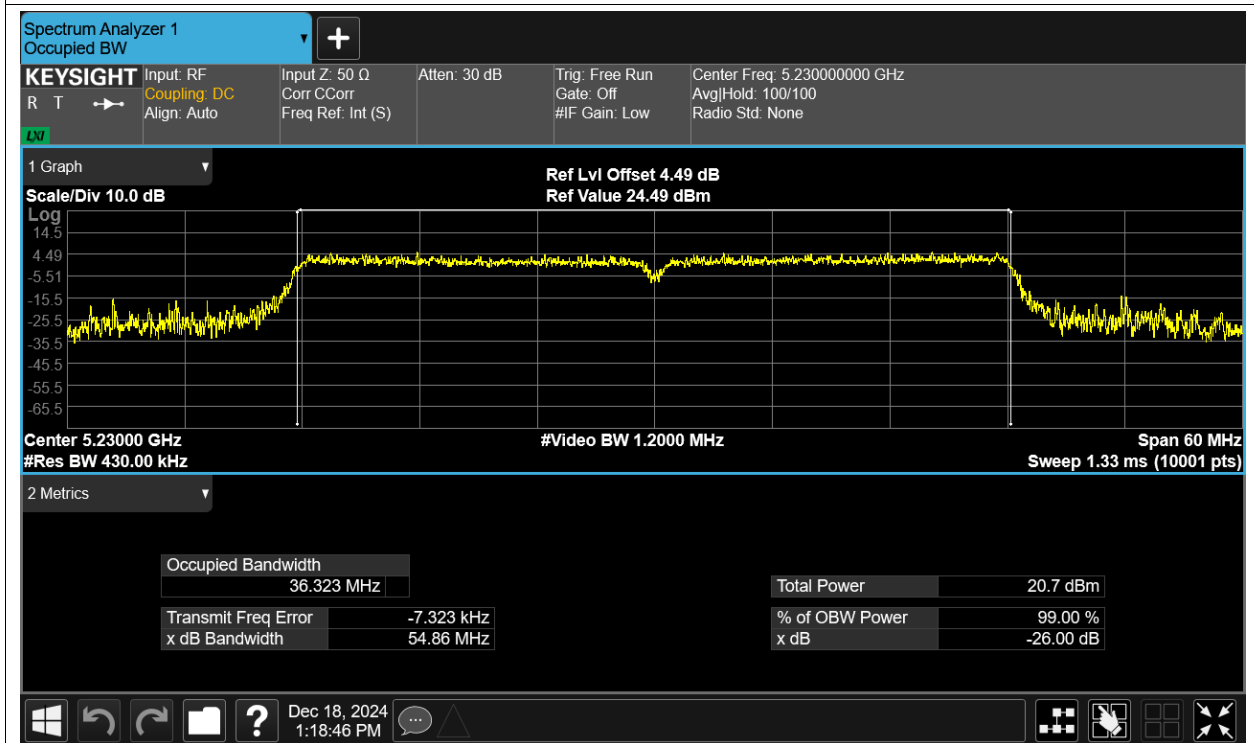
OBW NVNT ac20 5240MHz Ant13



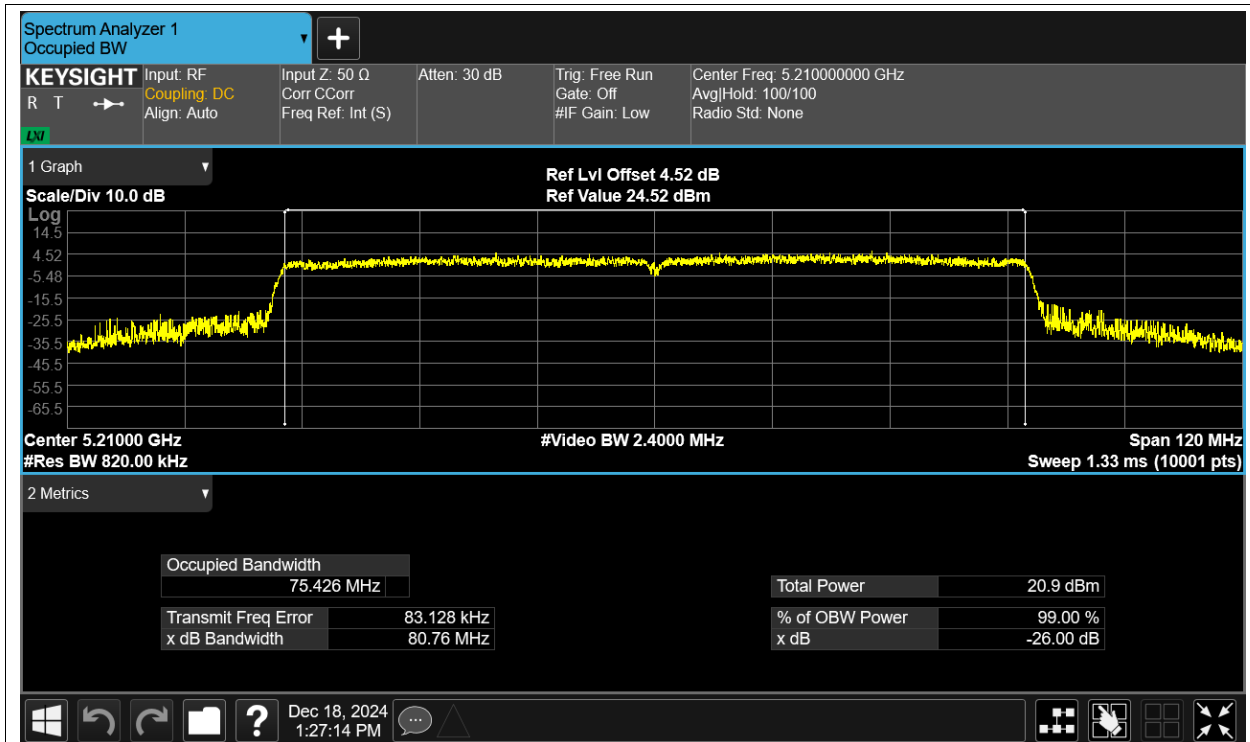
OBW NVNT ac40 5190MHz Ant13



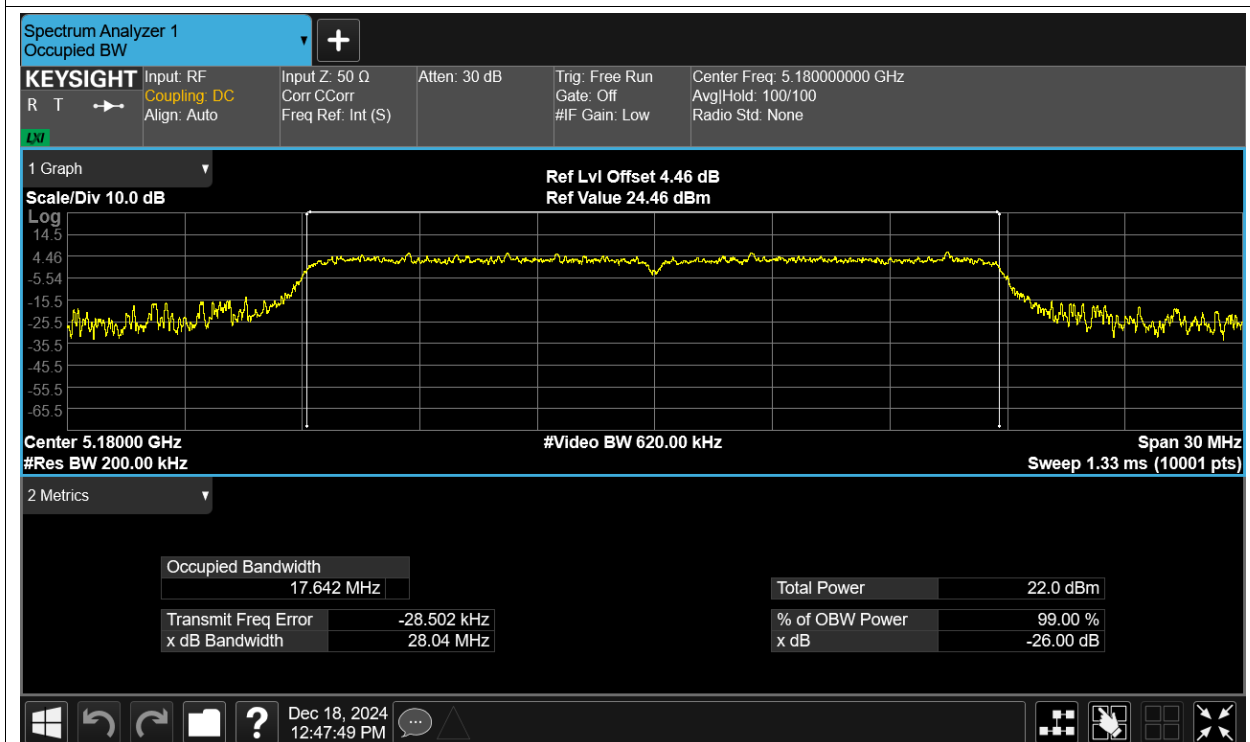
OBW NVNT ac40 5230MHz Ant13



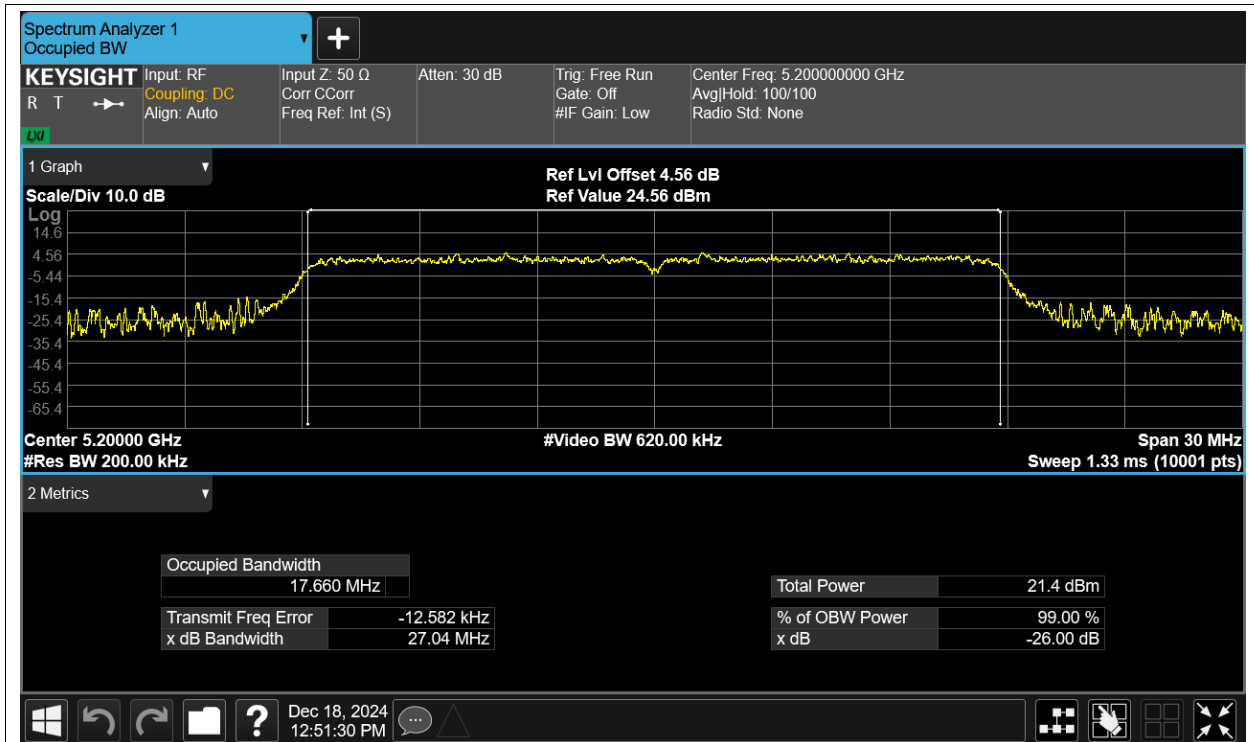
OBW NVNT ac80 5210MHz Ant13



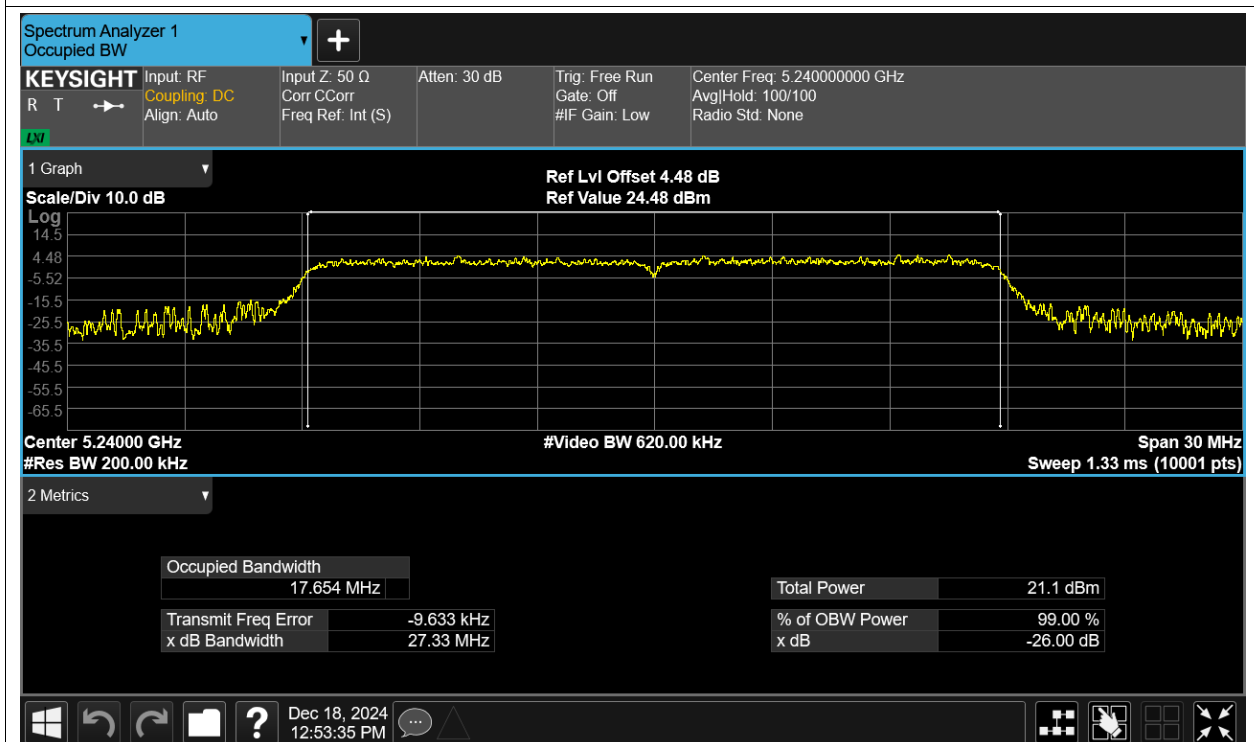
OBW NVNT n20 5180MHz Ant13



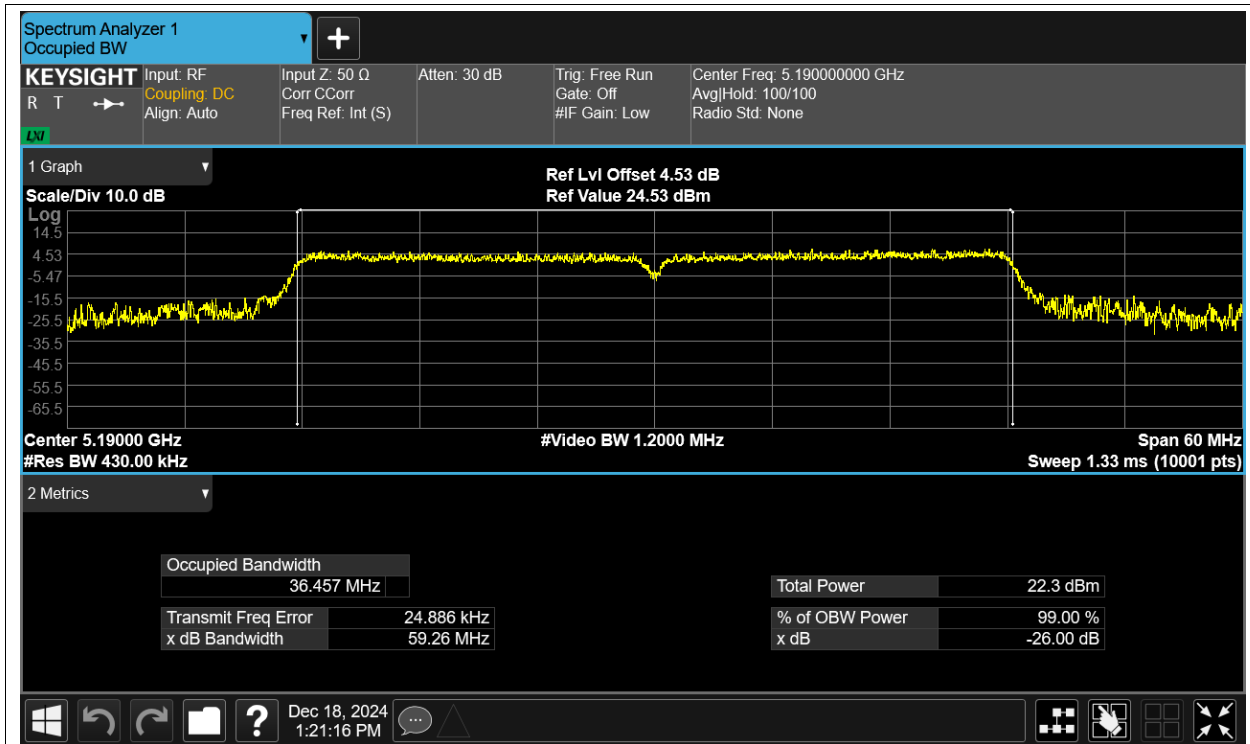
OBW NVNT n20 5200MHz Ant13



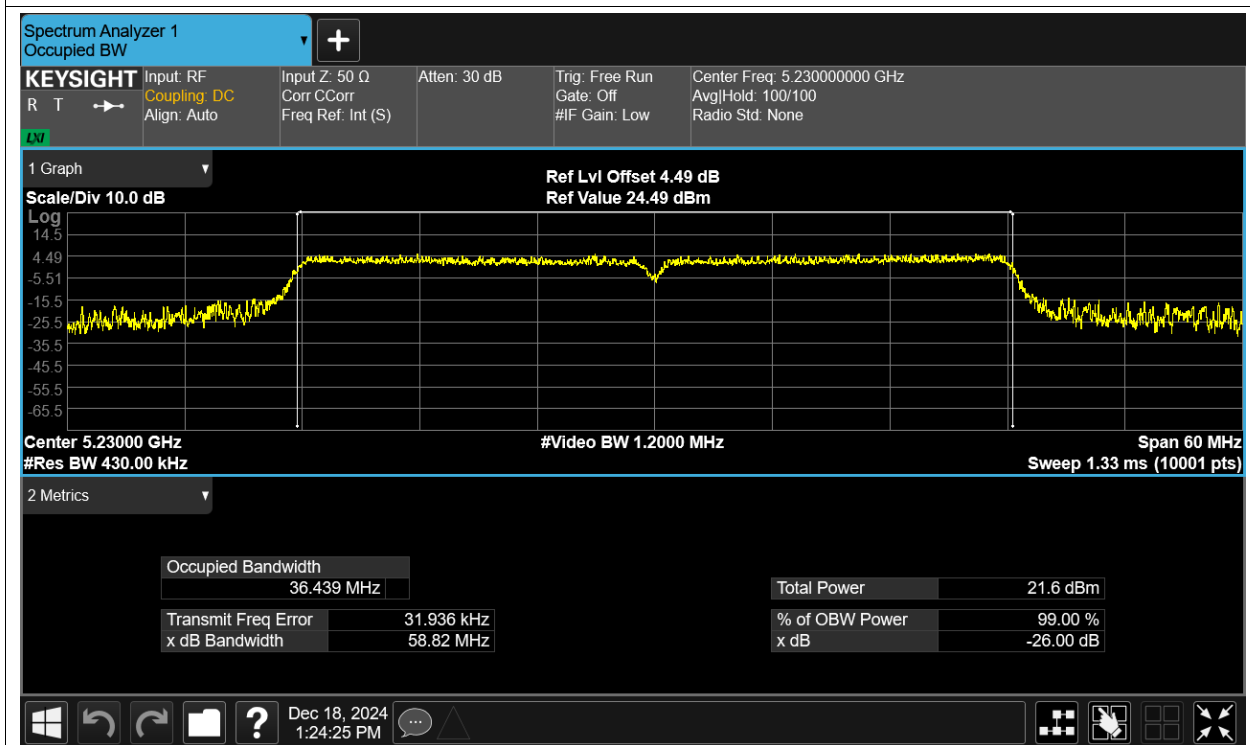
OBW NVNT n20 5240MHz Ant13



OBW NVNT n40 5190MHz Ant13



OBW NVNT n40 5230MHz Ant13

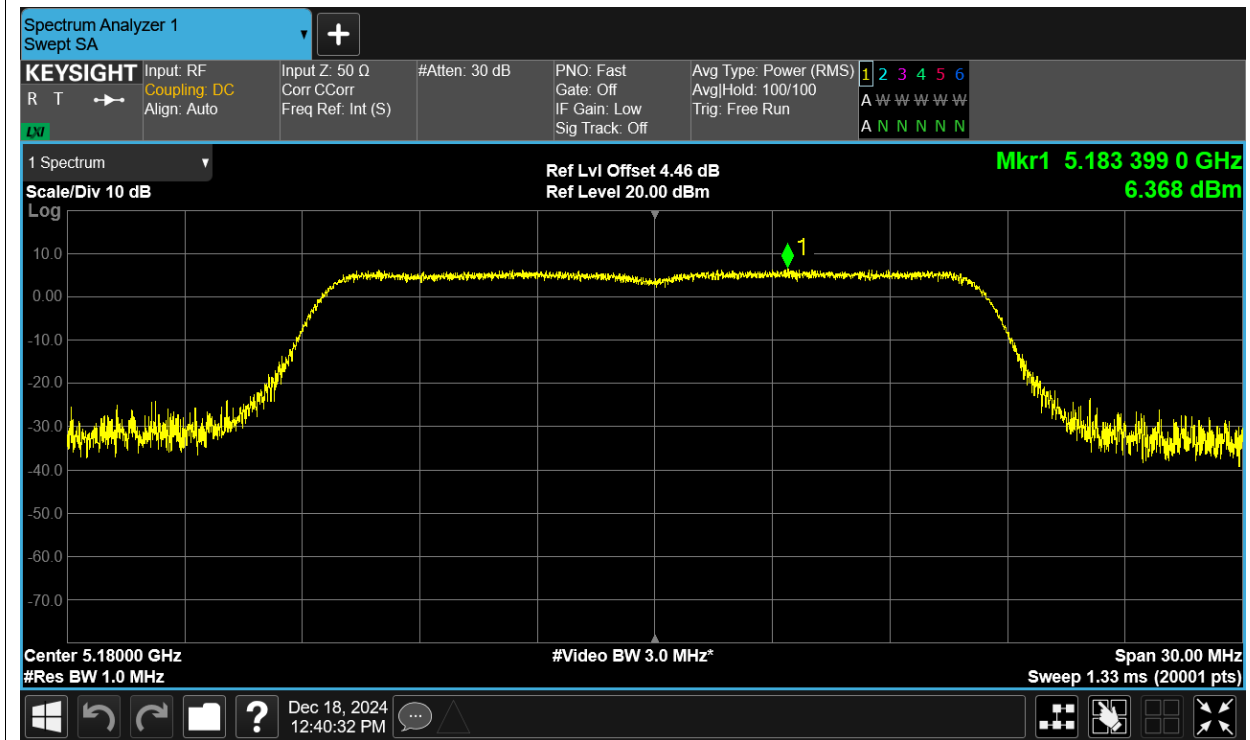


Maximum Power Spectral Density Level

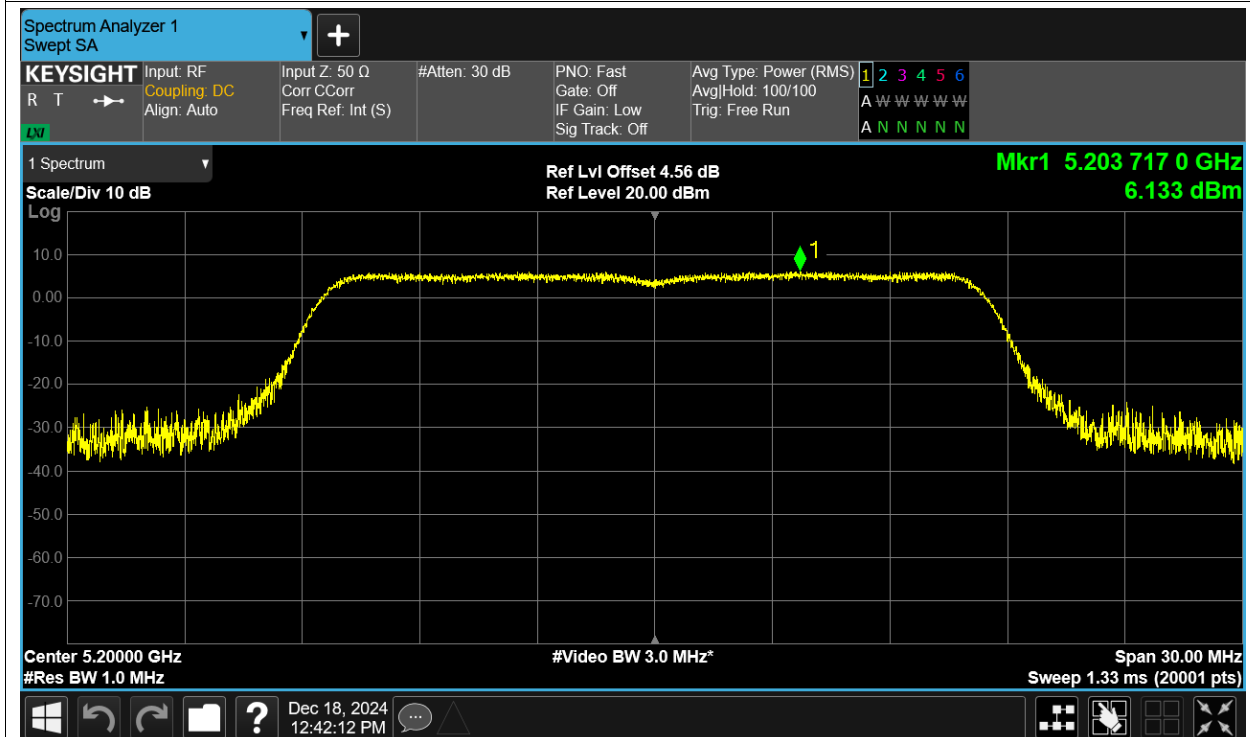
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant13	6.368	11	Pass
NVNT	a	5200	Ant13	6.133	11	Pass
NVNT	a	5240	Ant13	1.775	11	Pass
NVNT	ac20	5180	Ant13	4.906	11	Pass
NVNT	ac20	5200	Ant13	4.775	11	Pass
NVNT	ac20	5240	Ant13	4.621	11	Pass
NVNT	ac40	5190	Ant13	2.616	11	Pass
NVNT	ac40	5230	Ant13	1.67	11	Pass
NVNT	ac80	5210	Ant13	-2.922	11	Pass
NVNT	n20	5180	Ant13	3.221	11	Pass
NVNT	n20	5200	Ant13	4.812	11	Pass
NVNT	n20	5240	Ant13	4.451	11	Pass
NVNT	n40	5190	Ant13	2.989	11	Pass
NVNT	n40	5230	Ant13	2.953	11	Pass

Test Graphs

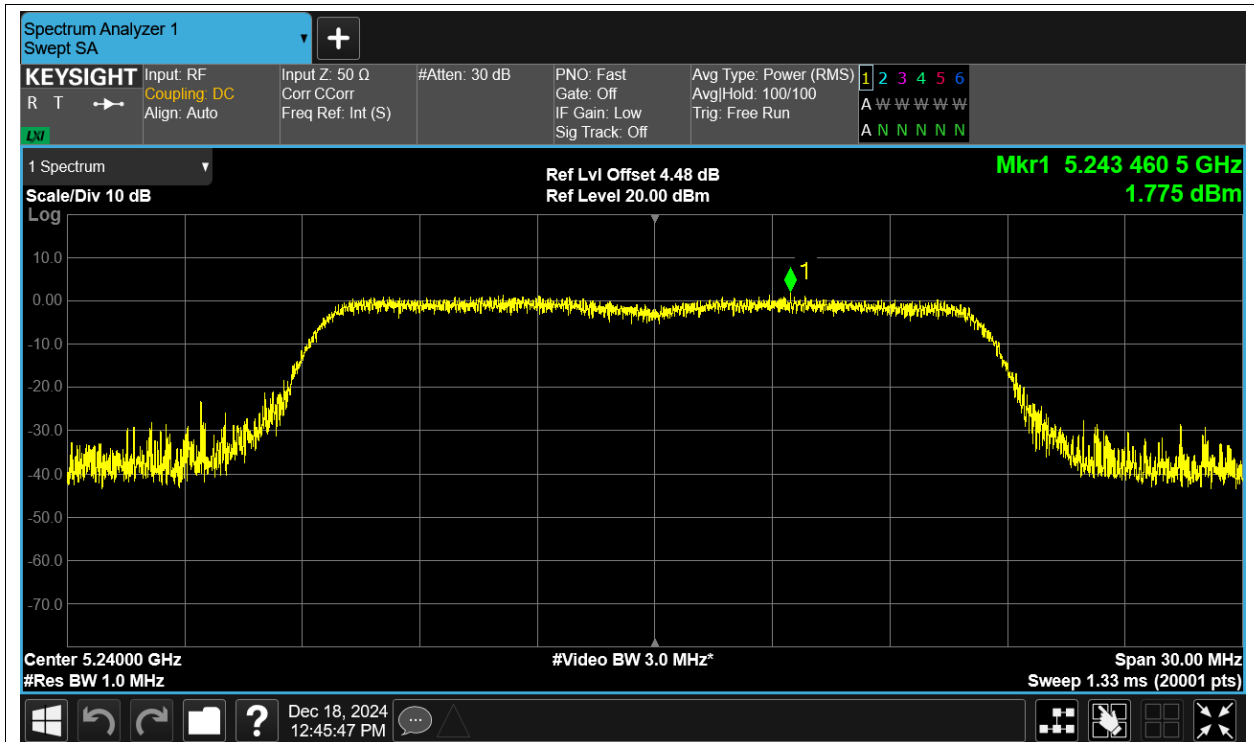
PSD NVNT a 5180MHz Ant13



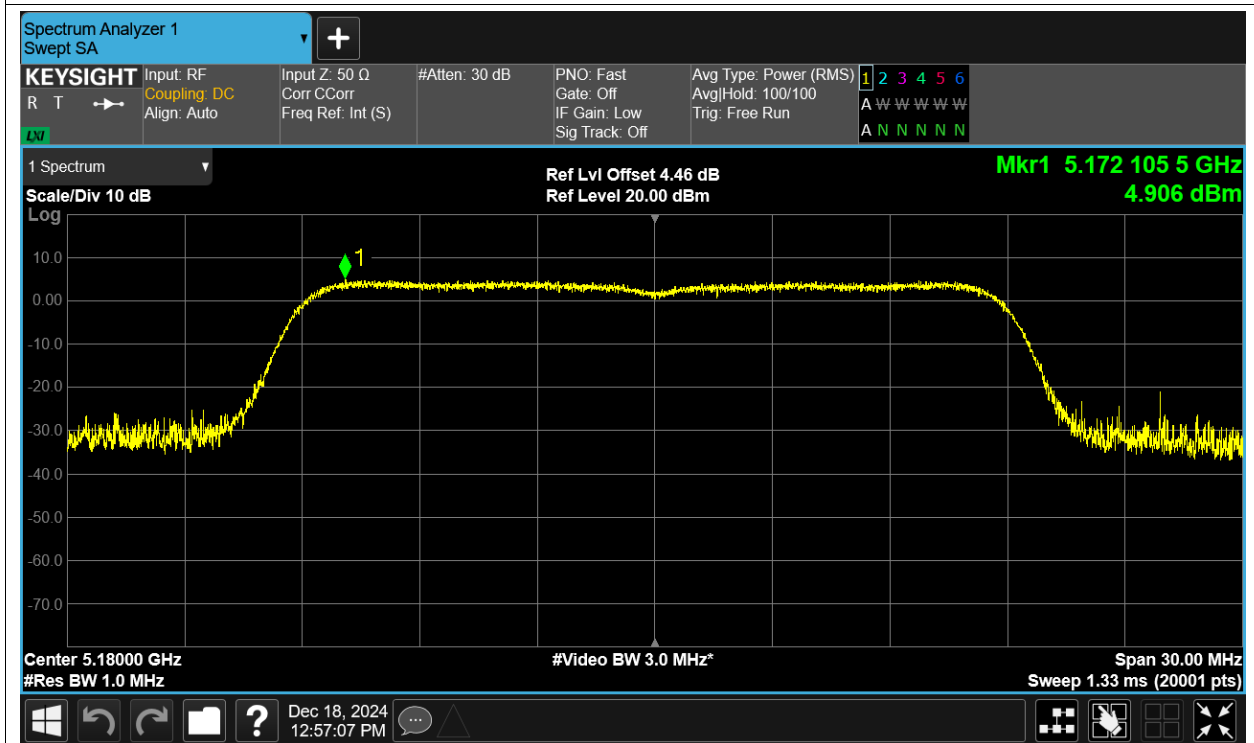
PSD NVNT a 5200MHz Ant13



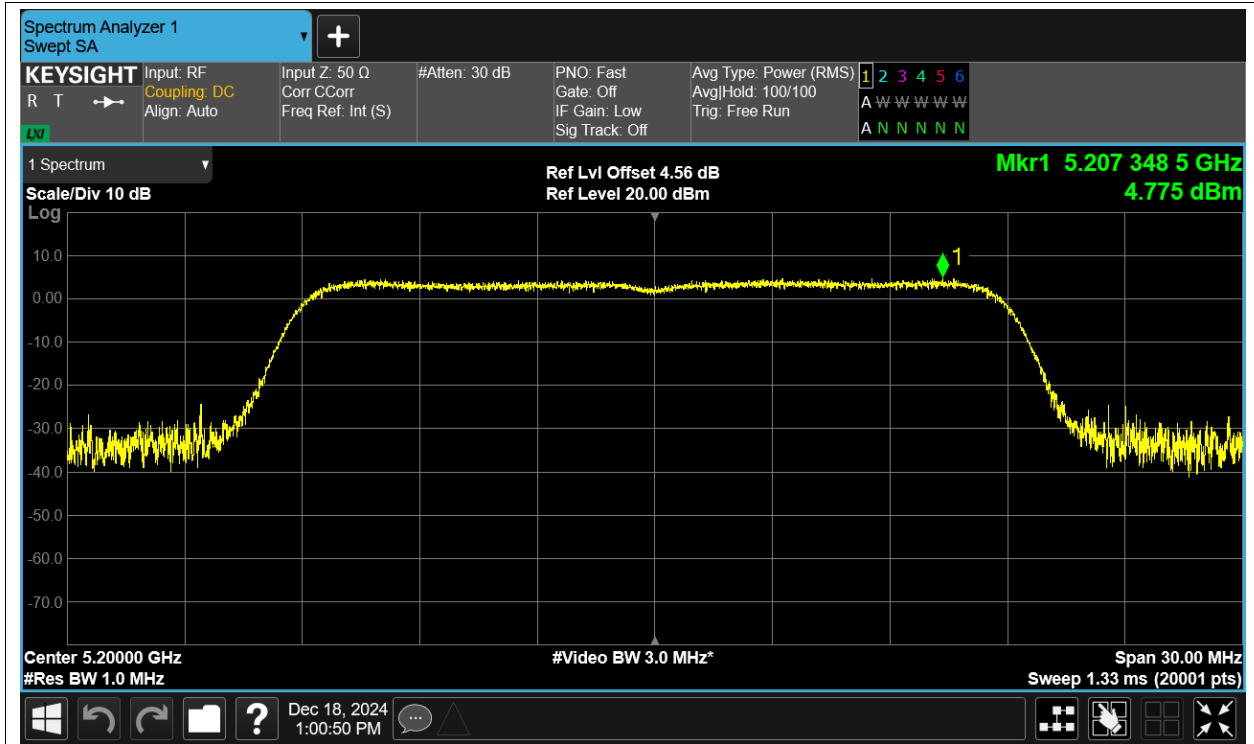
PSD NVNT a 5240MHz Ant13



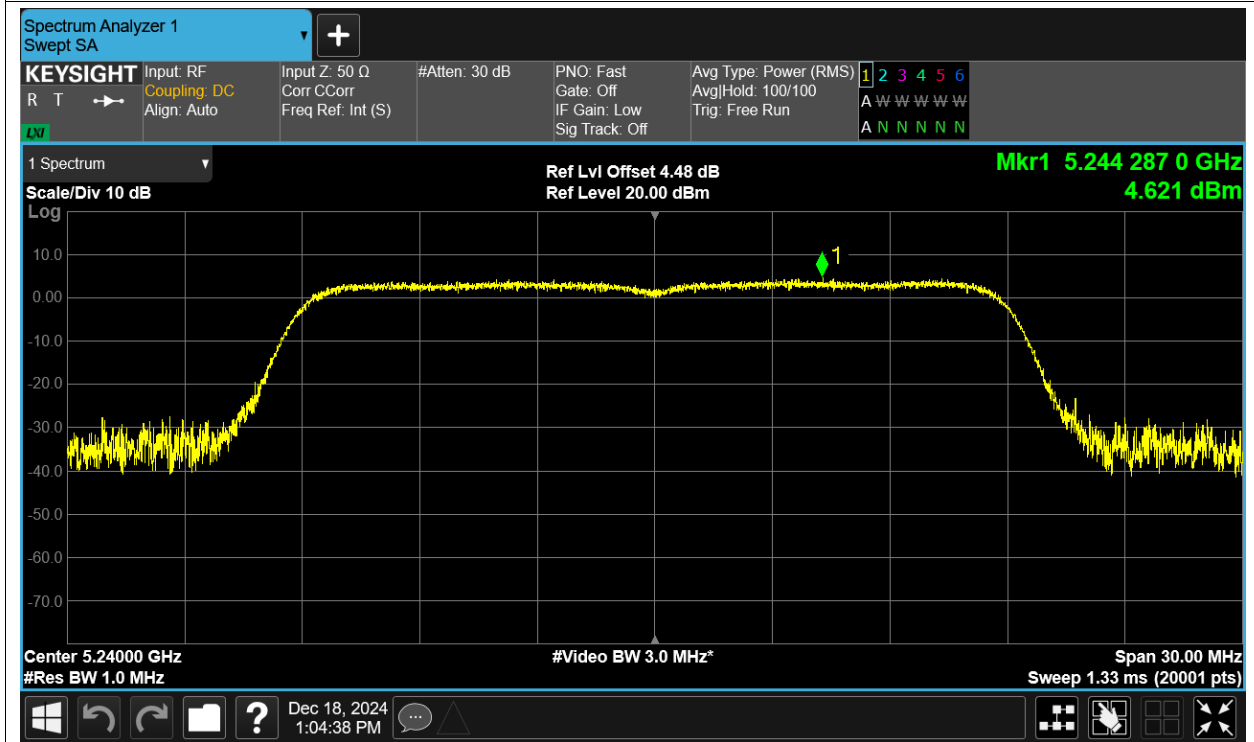
PSD NVNT ac20 5180MHz Ant13



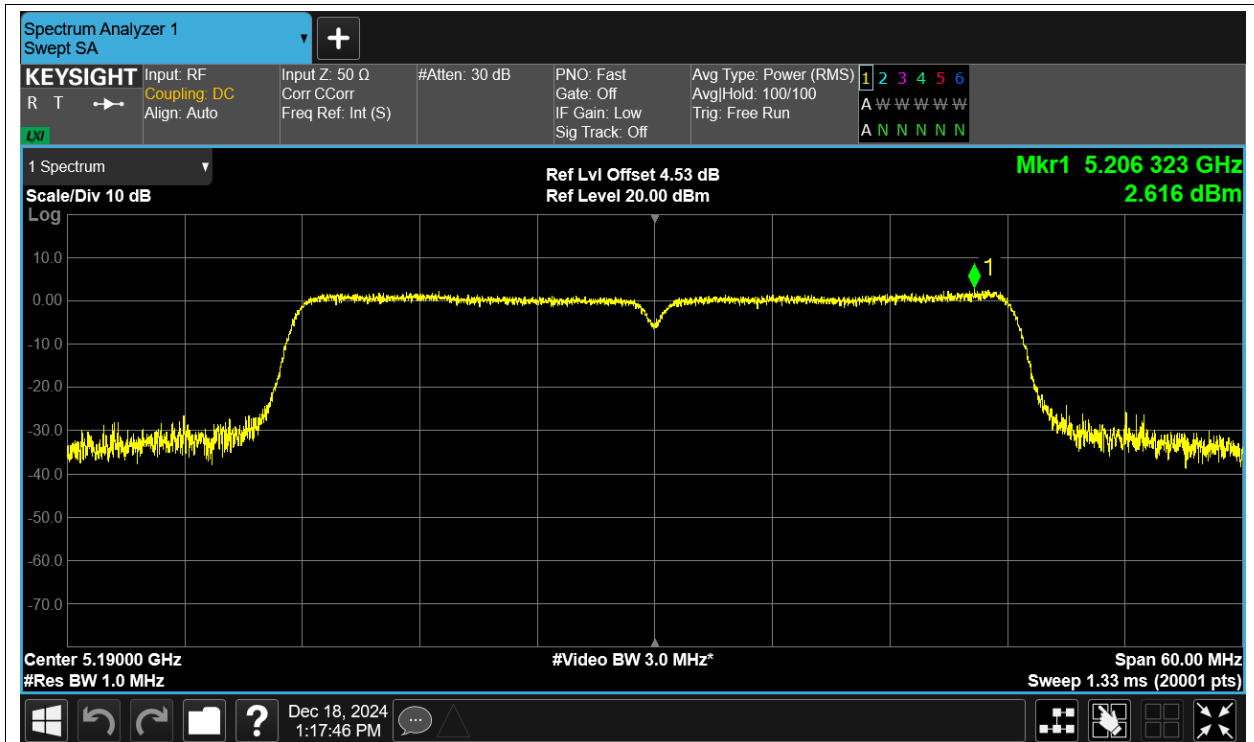
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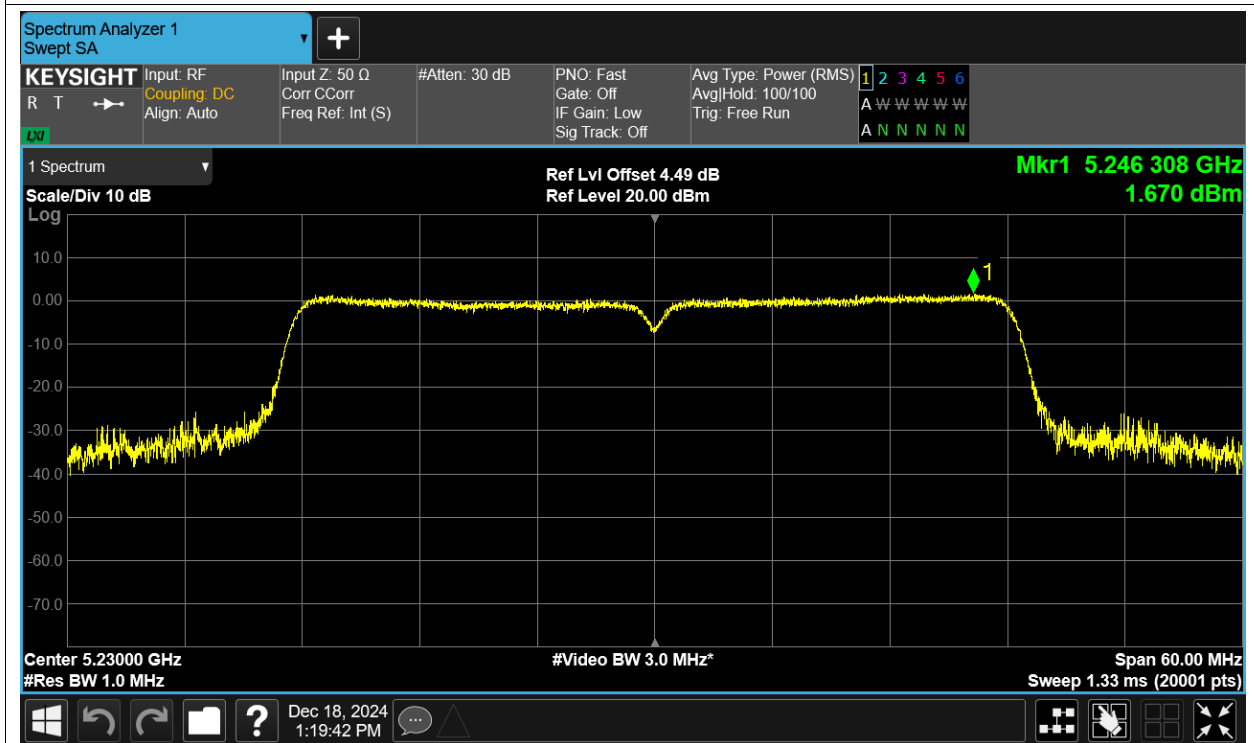
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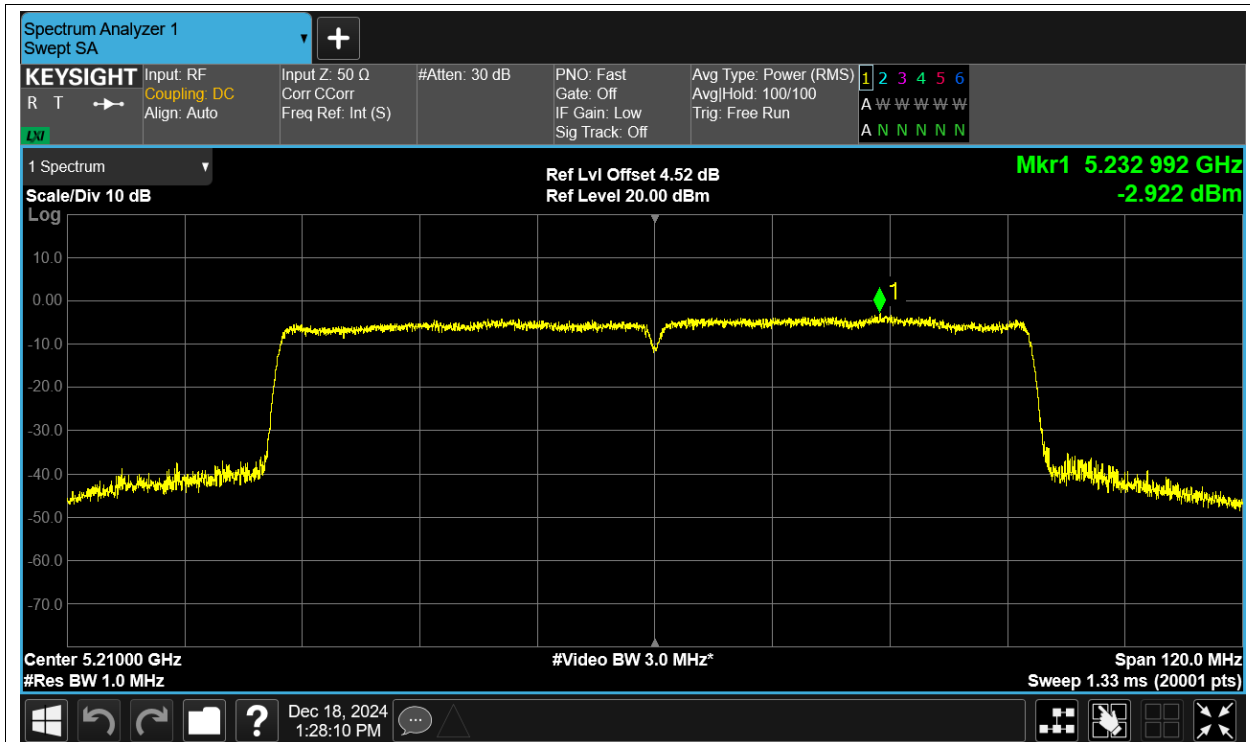
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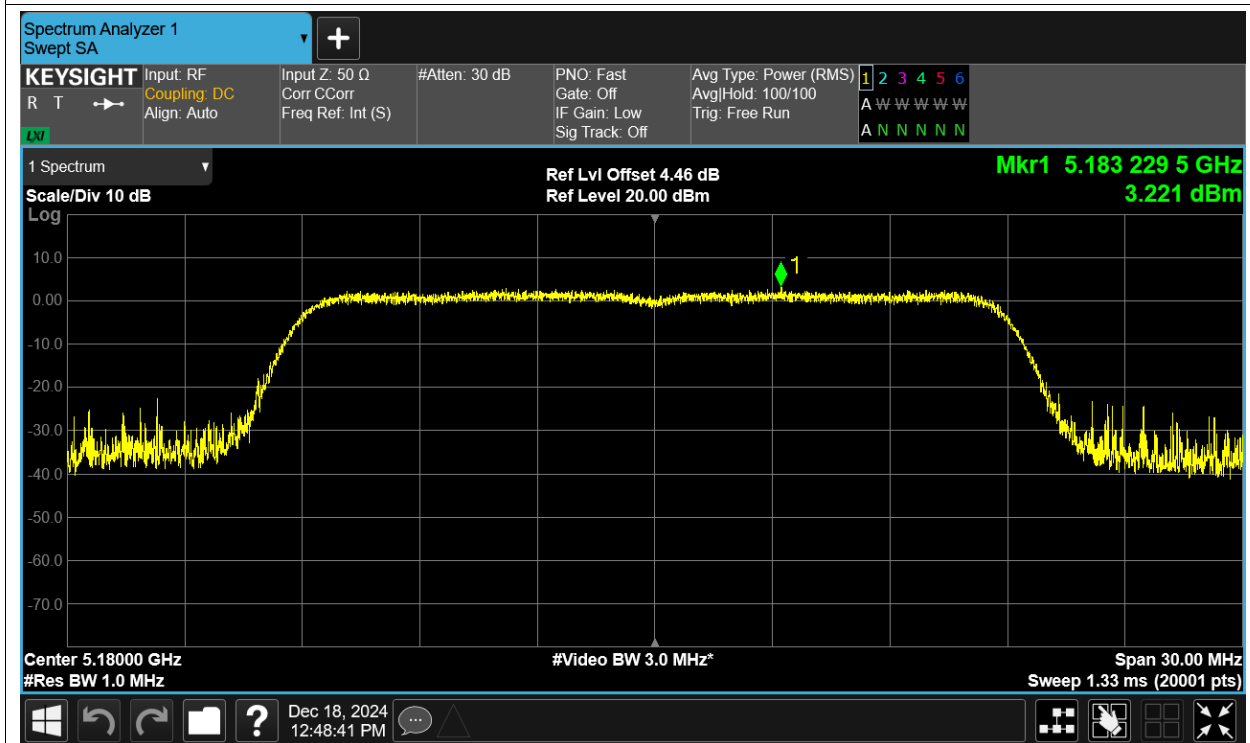
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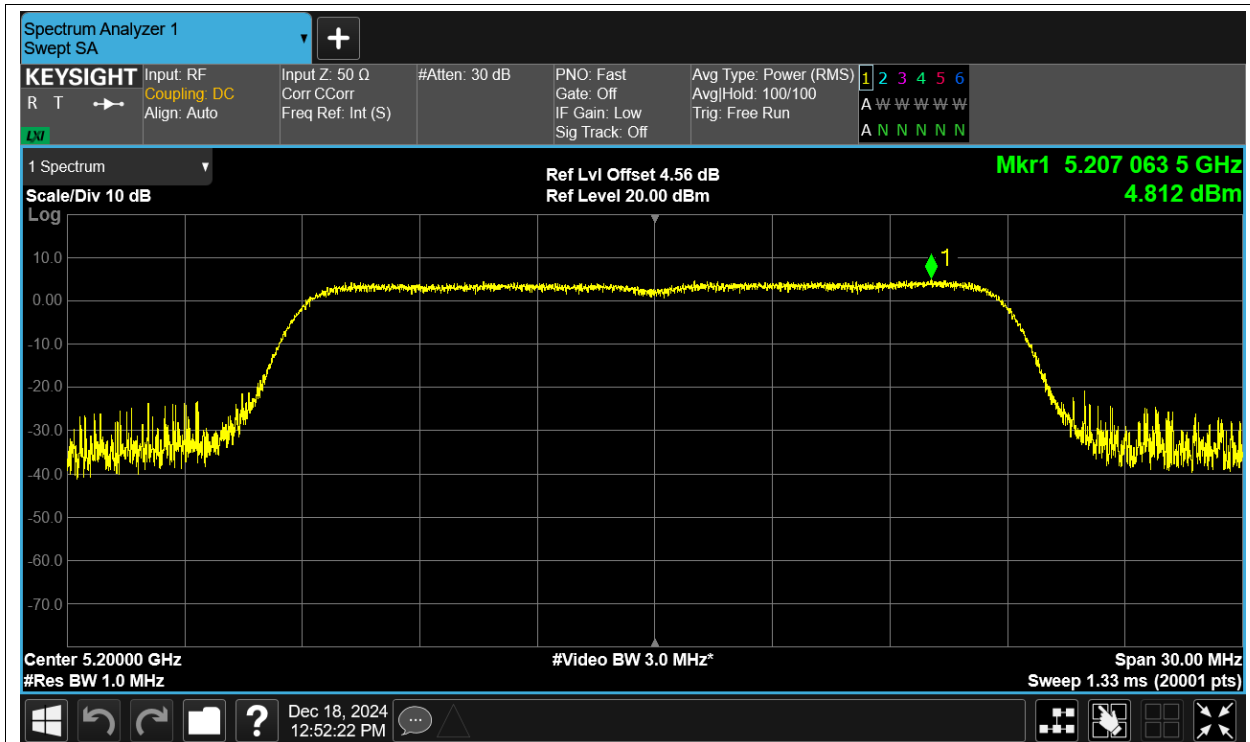
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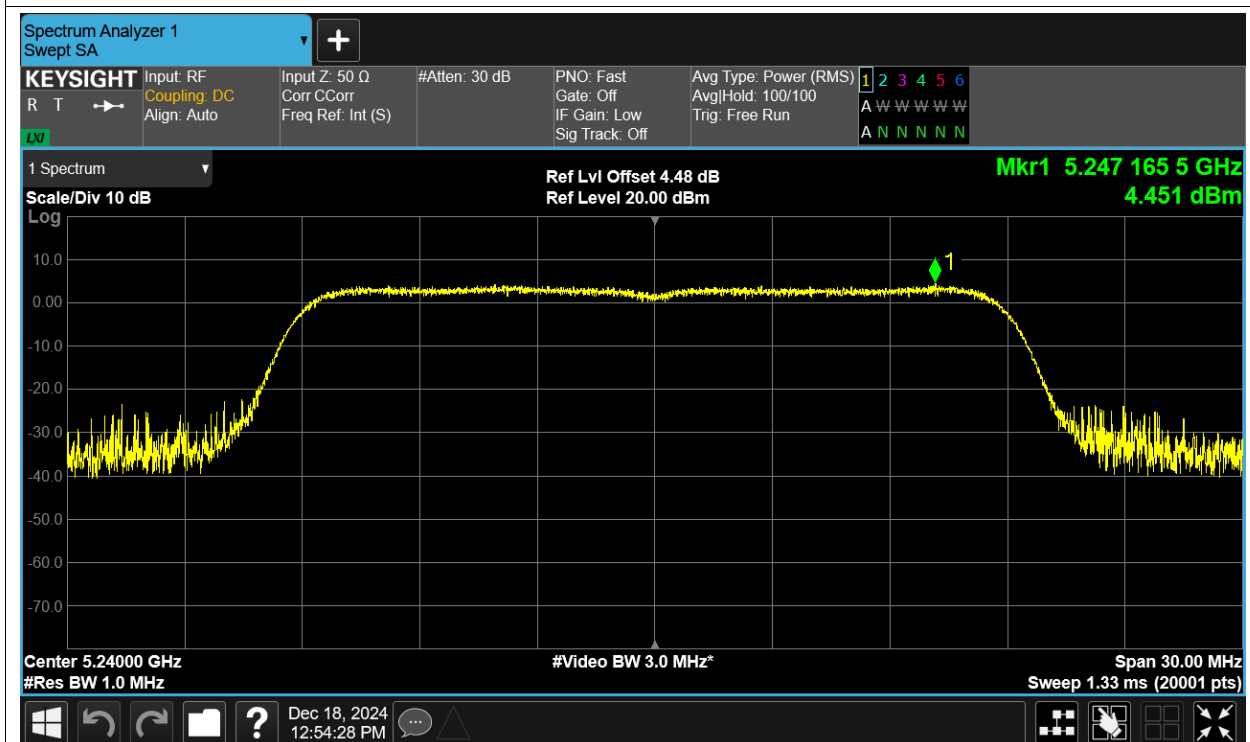
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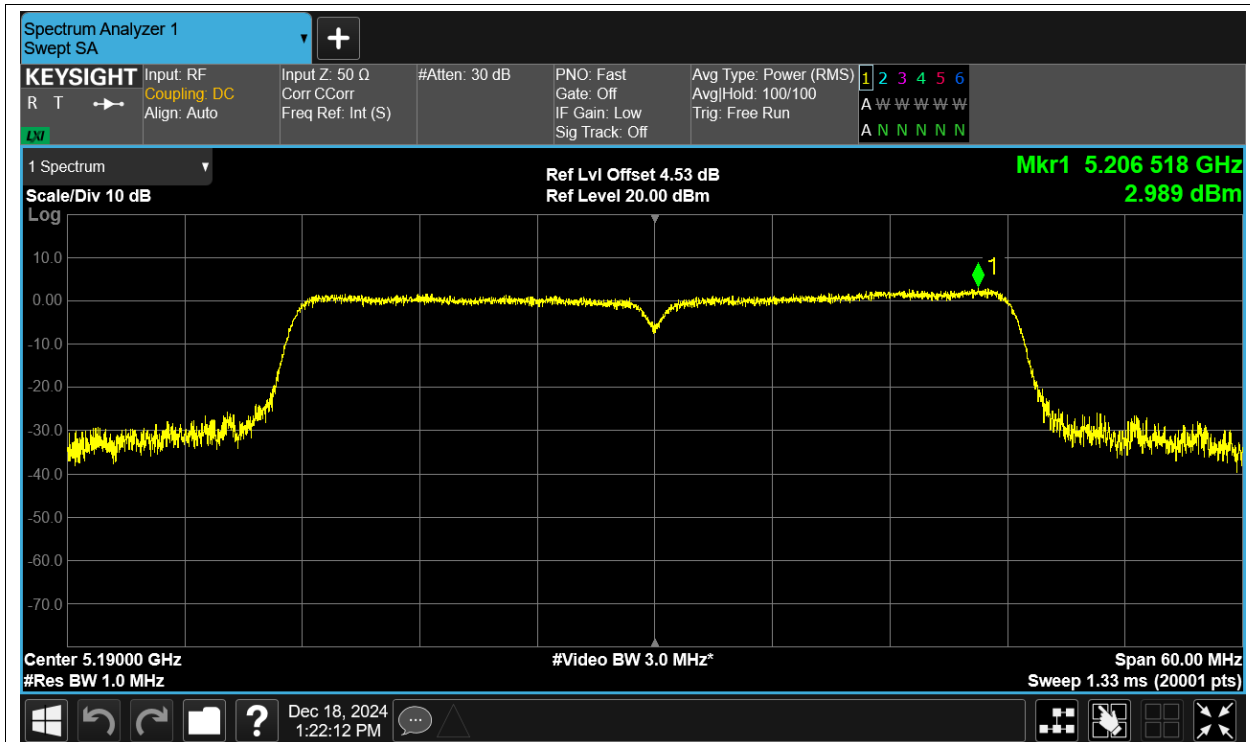
PSD NVNT n20 5200MHz Ant13



PSD NVNT n20 5240MHz Ant13



PSD NVNT n40 5190MHz Ant13



PSD NVNT n40 5230MHz Ant13

