

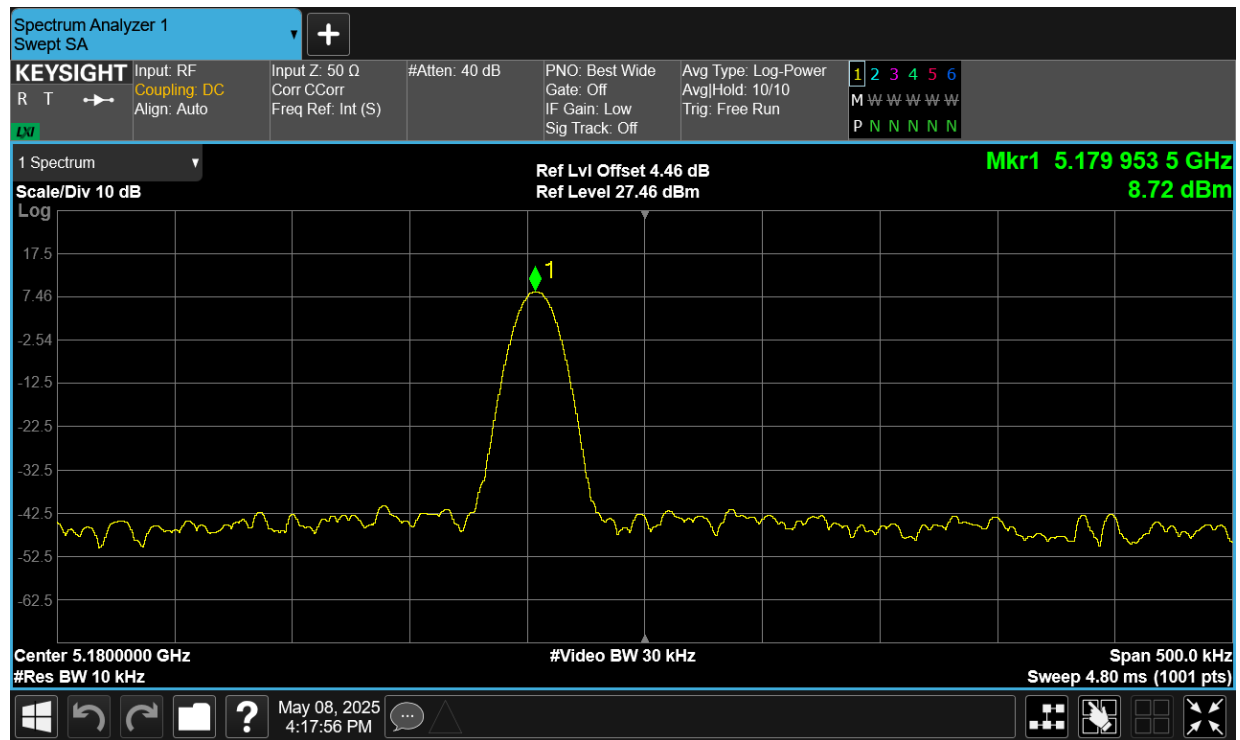
Test Data

Frequency Stability

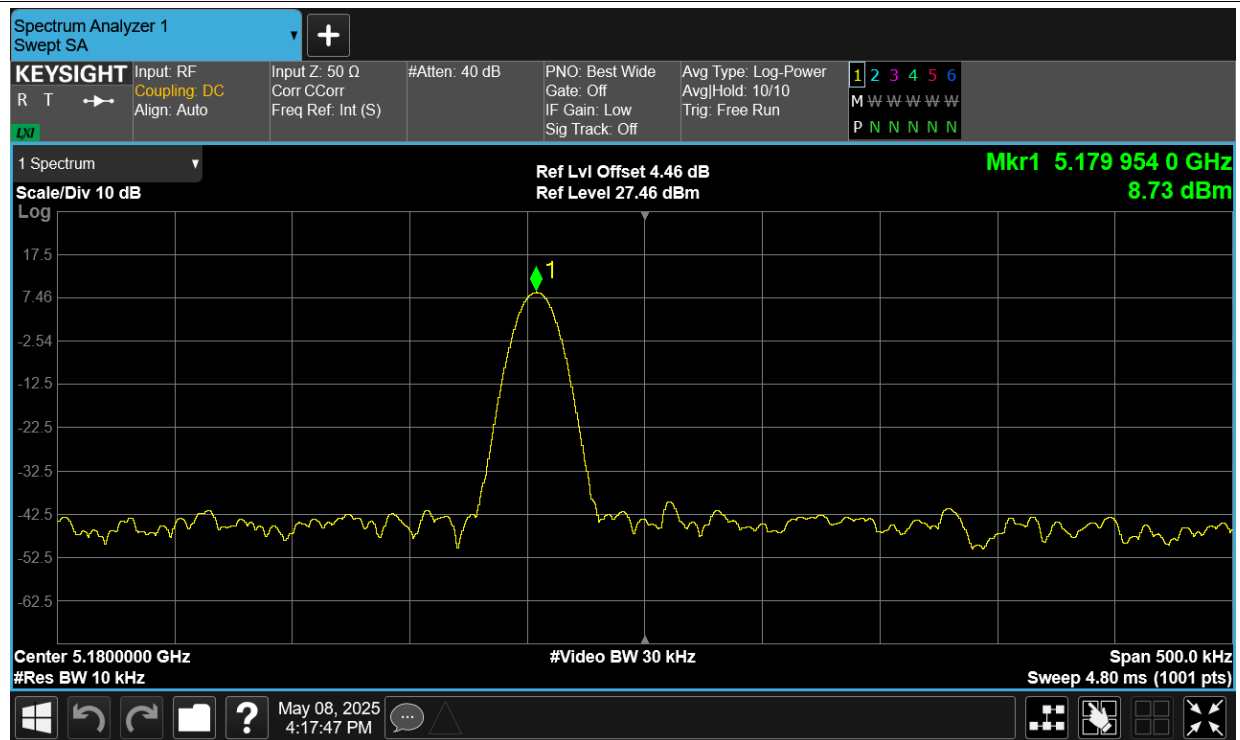
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9535	-8.98	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.954	-8.88		Pass
NVHT	a	5180	Ant1	5179.954	-8.88		Pass
NVLT	a	5180	Ant1	5179.954	-8.88		Pass
NVNT	a	5180	Ant1	5179.954	-8.88		Pass
HVNT	ac80	5210	Ant1	5209.953	-9.02		Pass
LVNT	ac80	5210	Ant1	5209.953	-9.02		Pass
NVHT	ac80	5210	Ant1	5209.953	-9.02		Pass
NVLT	ac80	5210	Ant1	5209.953	-9.02		Pass
NVNT	ac80	5210	Ant1	5209.953389831	-8.95		Pass
HVNT	n40	5190	Ant1	5189.9535	-8.96		Pass
LVNT	n40	5190	Ant1	5189.9535	-8.96		Pass
NVHT	n40	5190	Ant1	5189.9535	-8.96		Pass
NVLT	n40	5190	Ant1	5189.9535	-8.96		Pass
NVNT	n40	5190	Ant1	5189.9535	-8.96		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

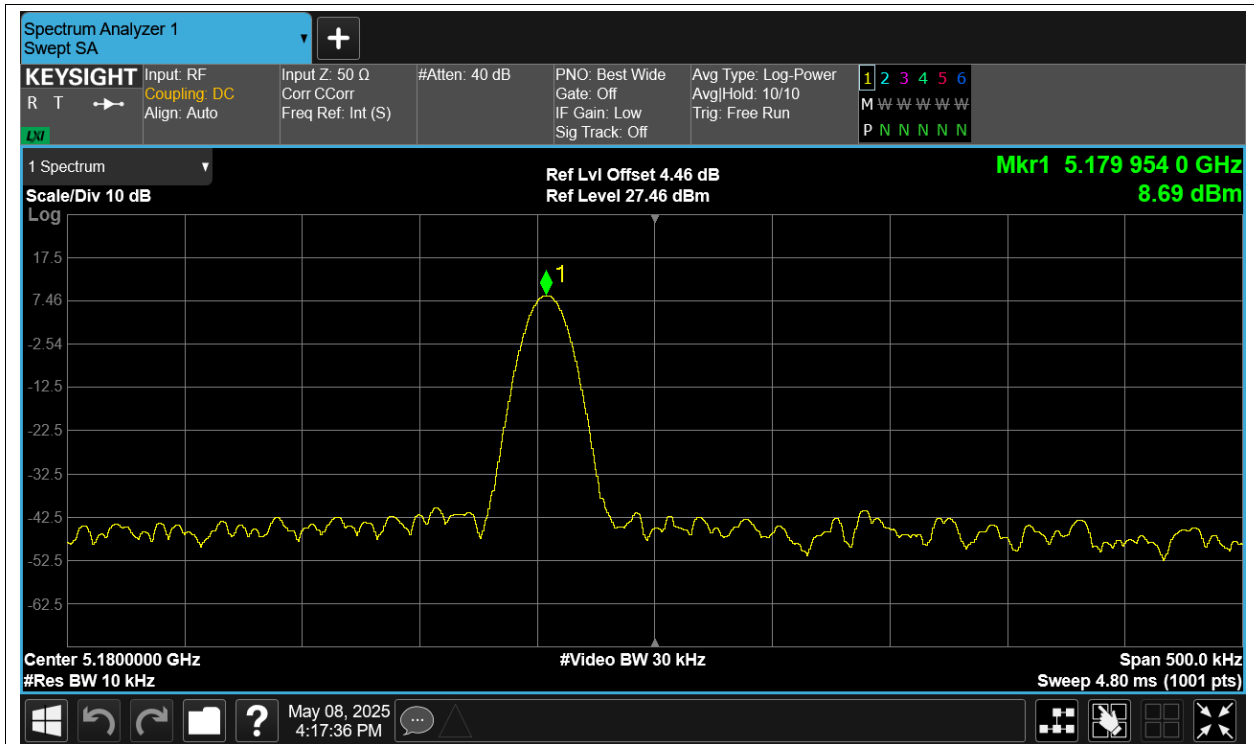
Freq. Stability HVNT a 5180MHz Ant1



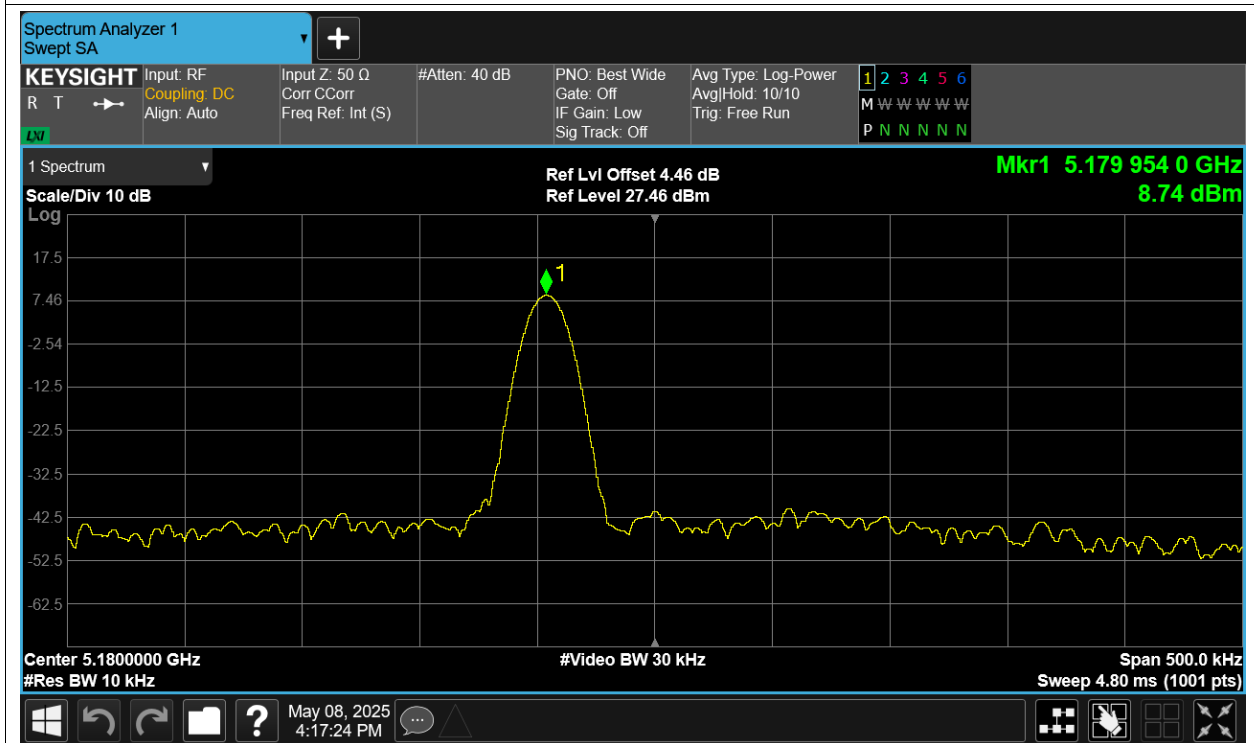
Freq. Stability LVNT a 5180MHz Ant1



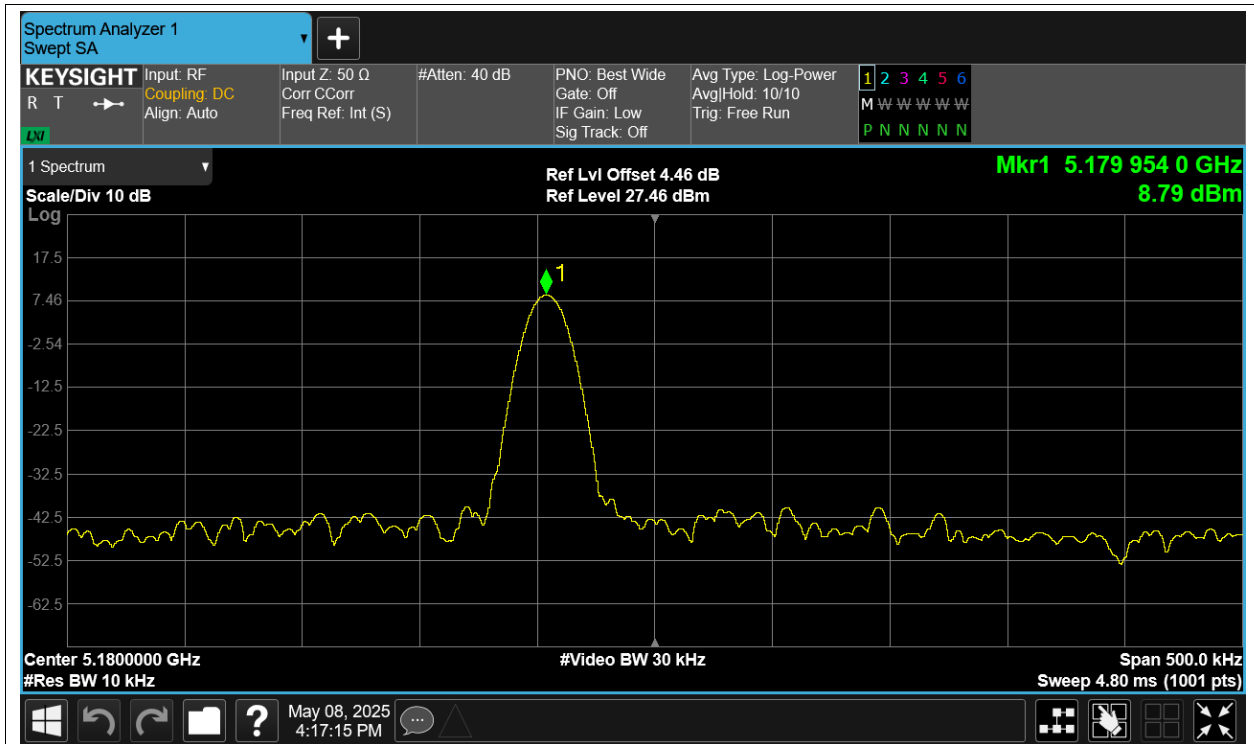
Freq. Stability NVHT a 5180MHz Ant1



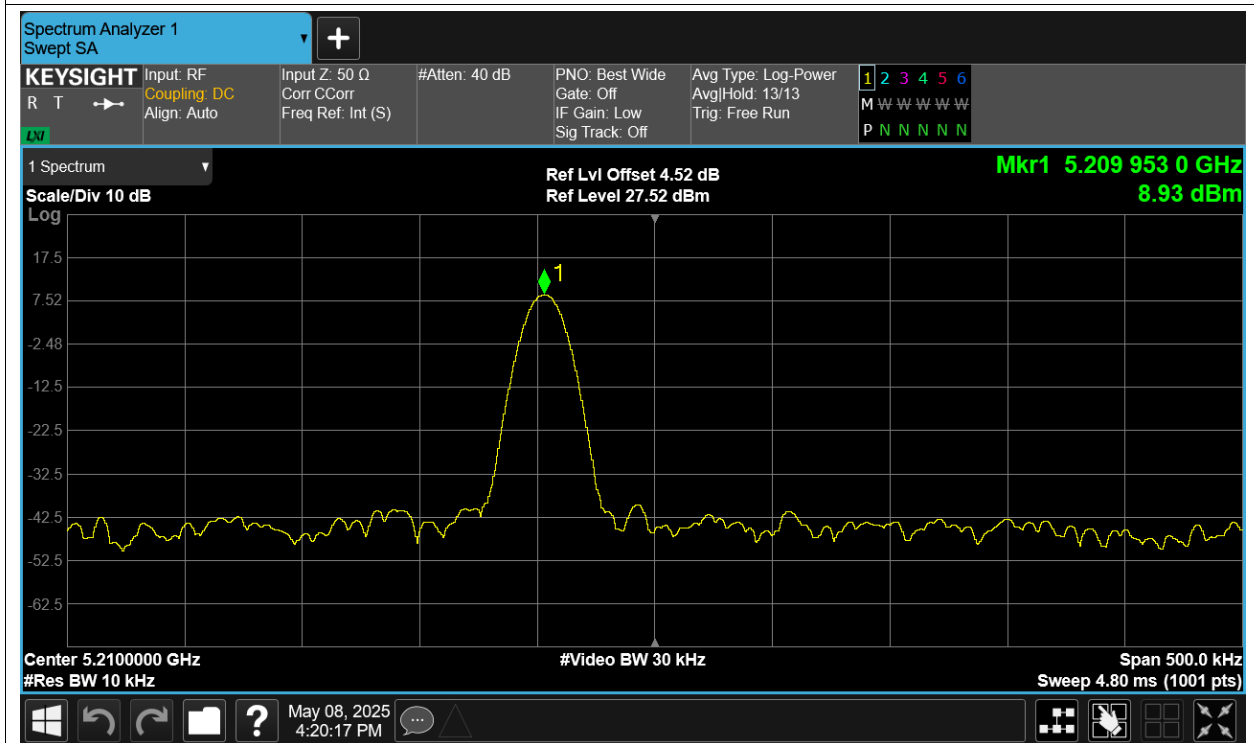
Freq. Stability NVLT a 5180MHz Ant1



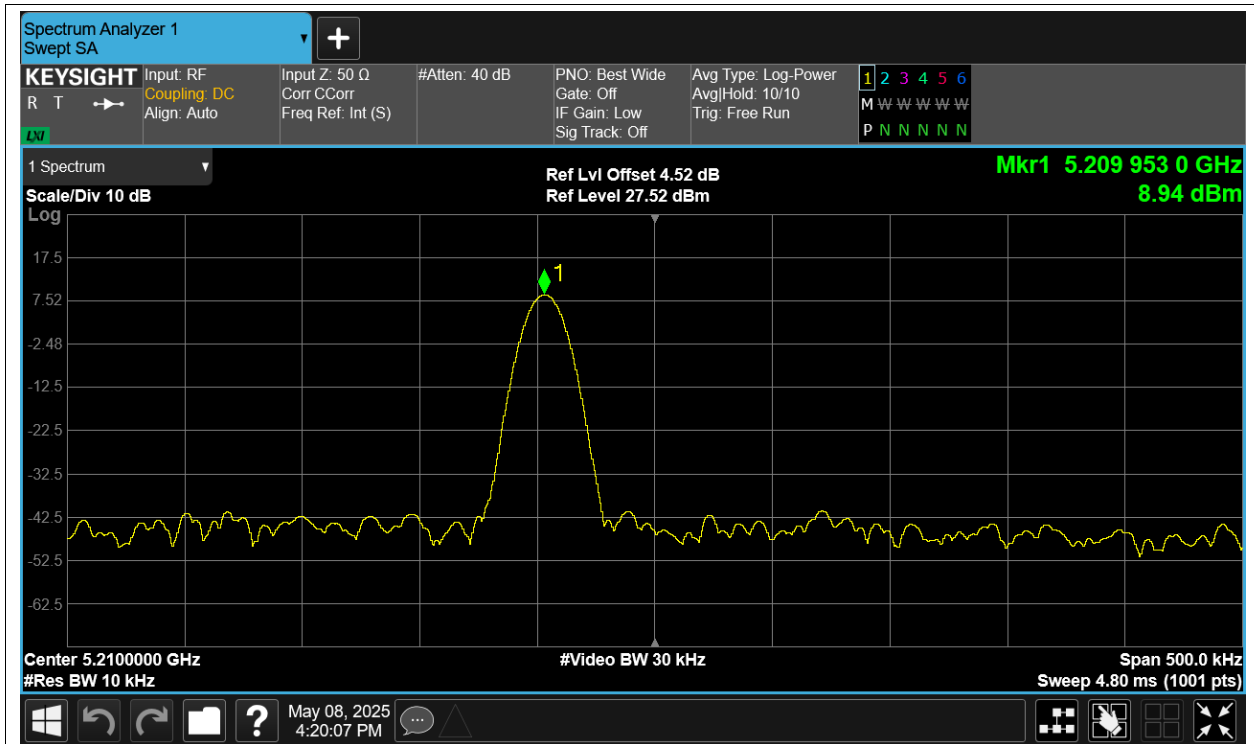
Freq. Stability NVNT a 5180MHz Ant1



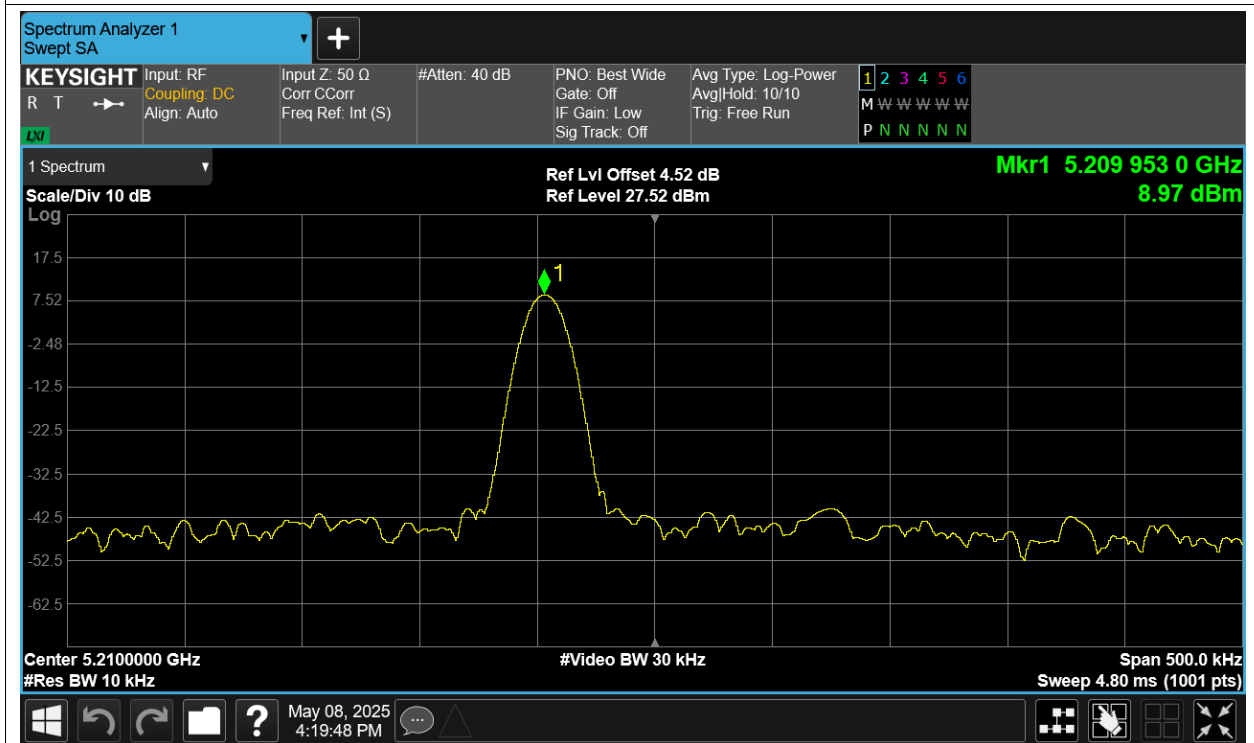
Freq. Stability HVNT ac80 5210MHz Ant1



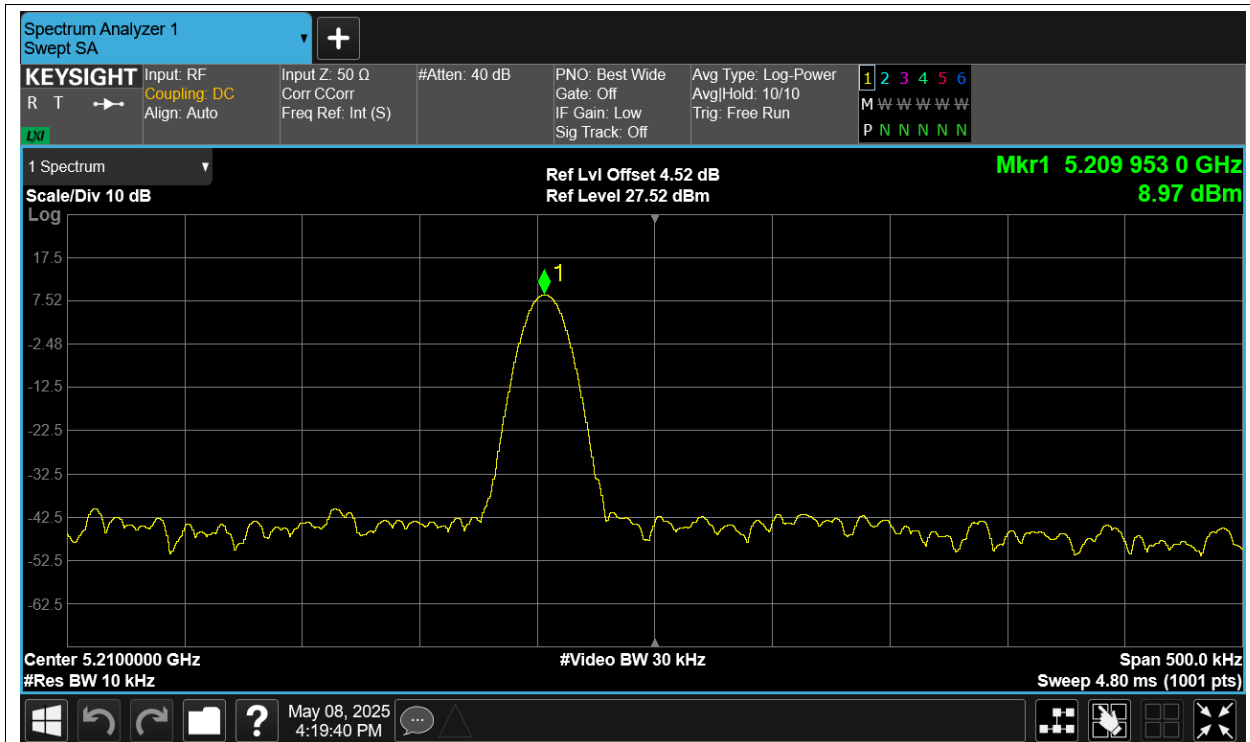
Freq. Stability LVNT ac80 5210MHz Ant1



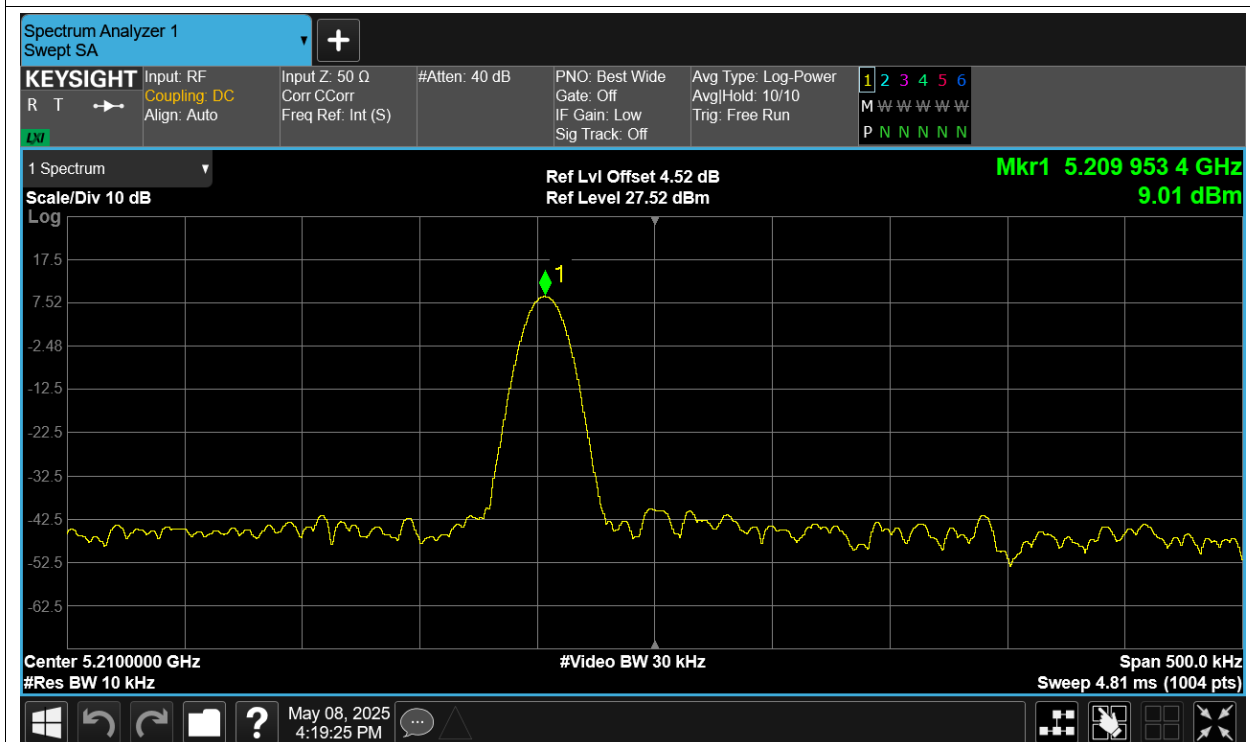
Freq. Stability NVHT ac80 5210MHz Ant1



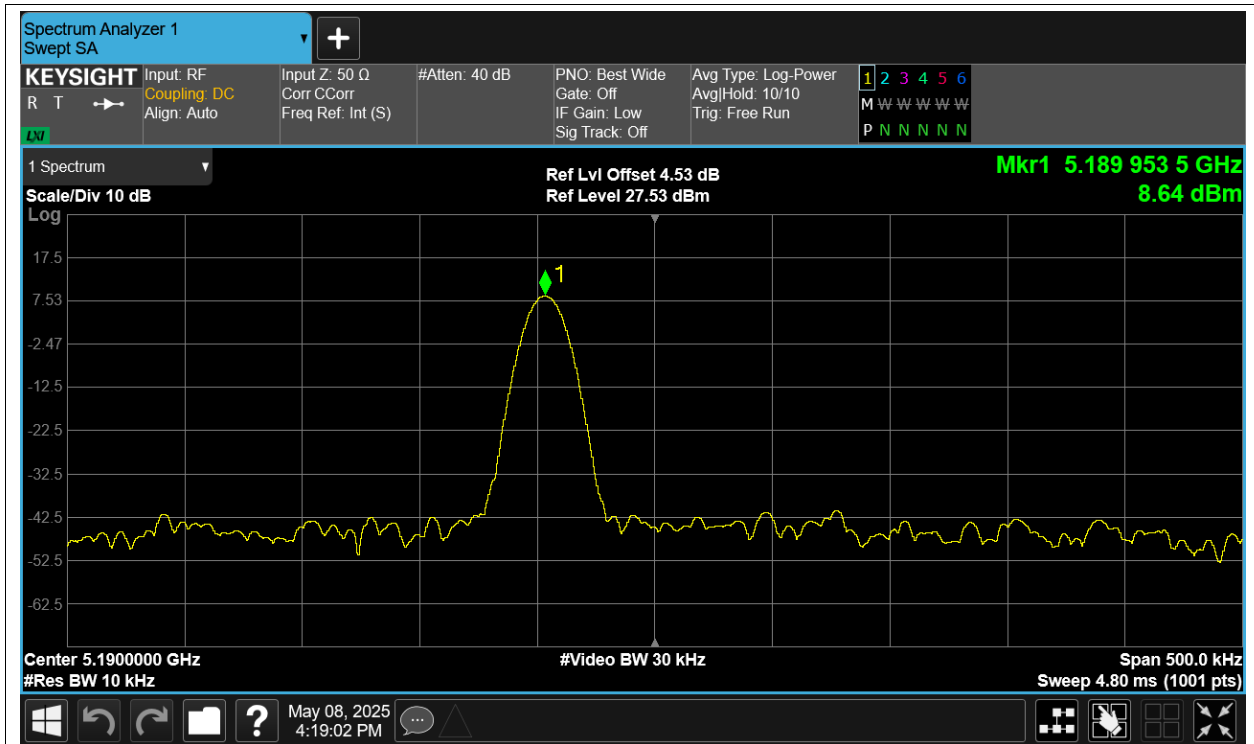
Freq. Stability NVLT ac80 5210MHz Ant1



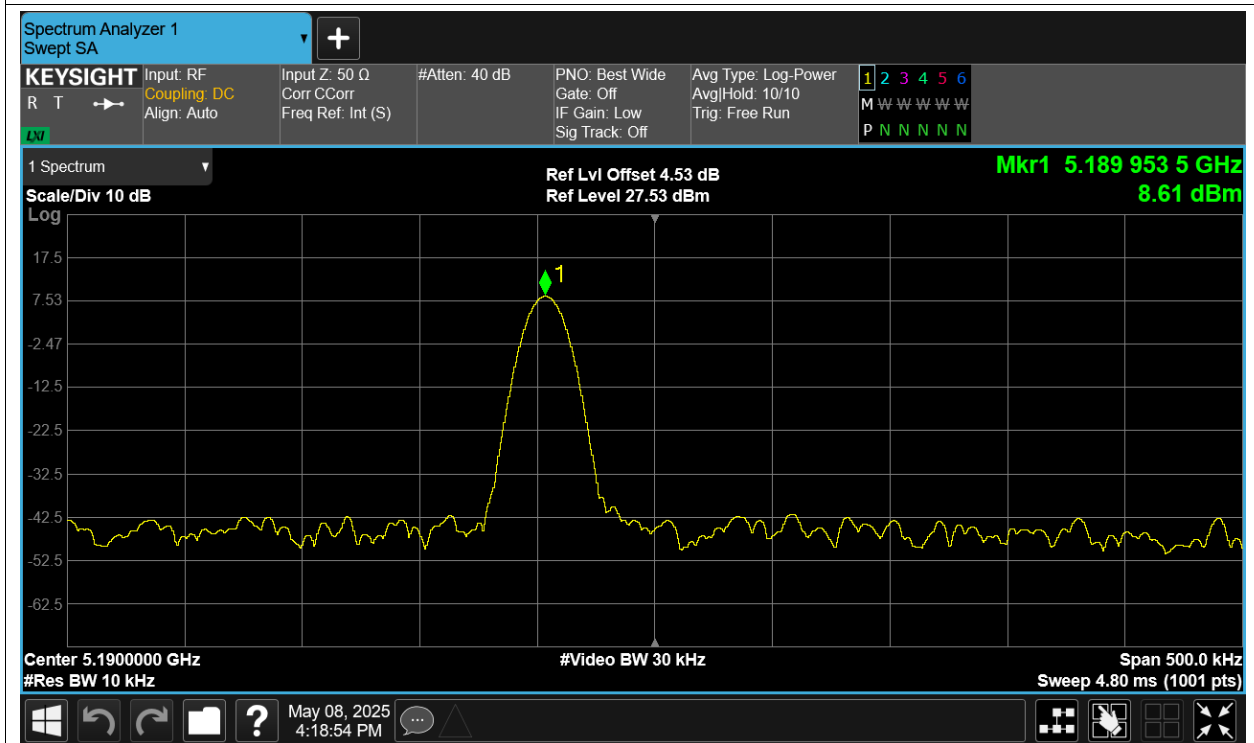
Freq. Stability NVNT ac80 5210MHz Ant1



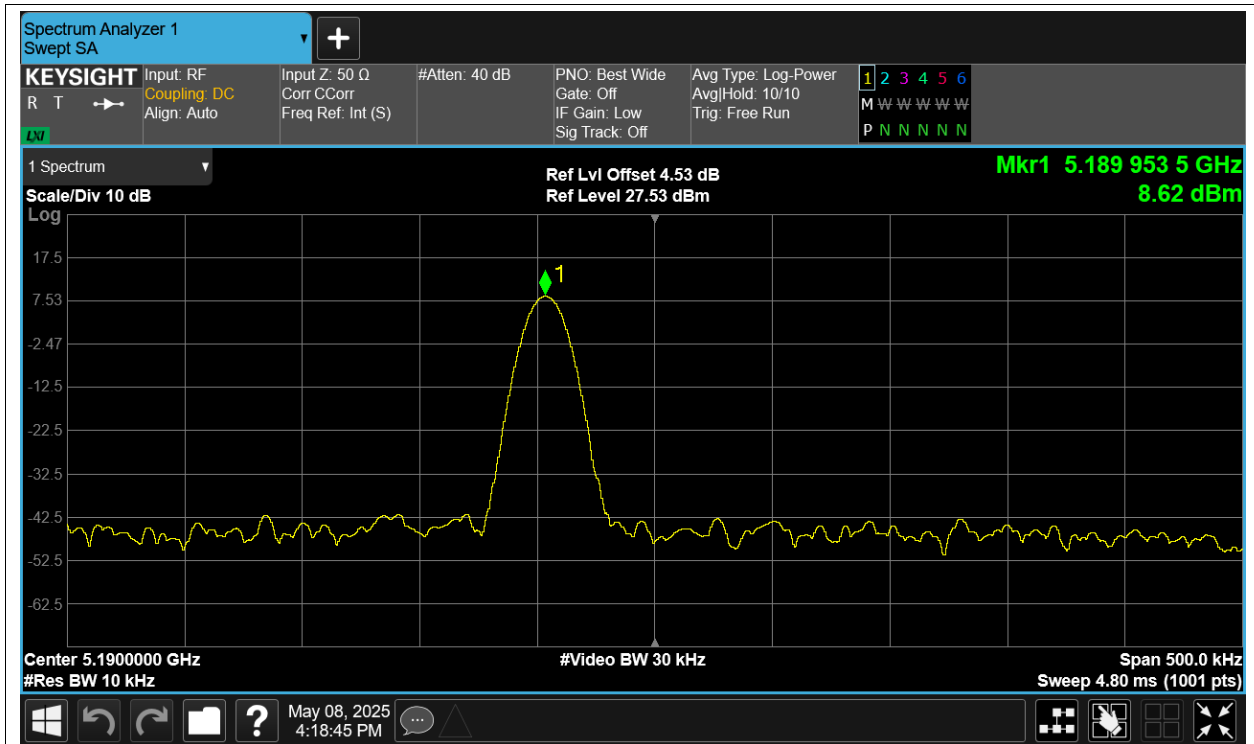
Freq. Stability HVNT n40 5190MHz Ant1



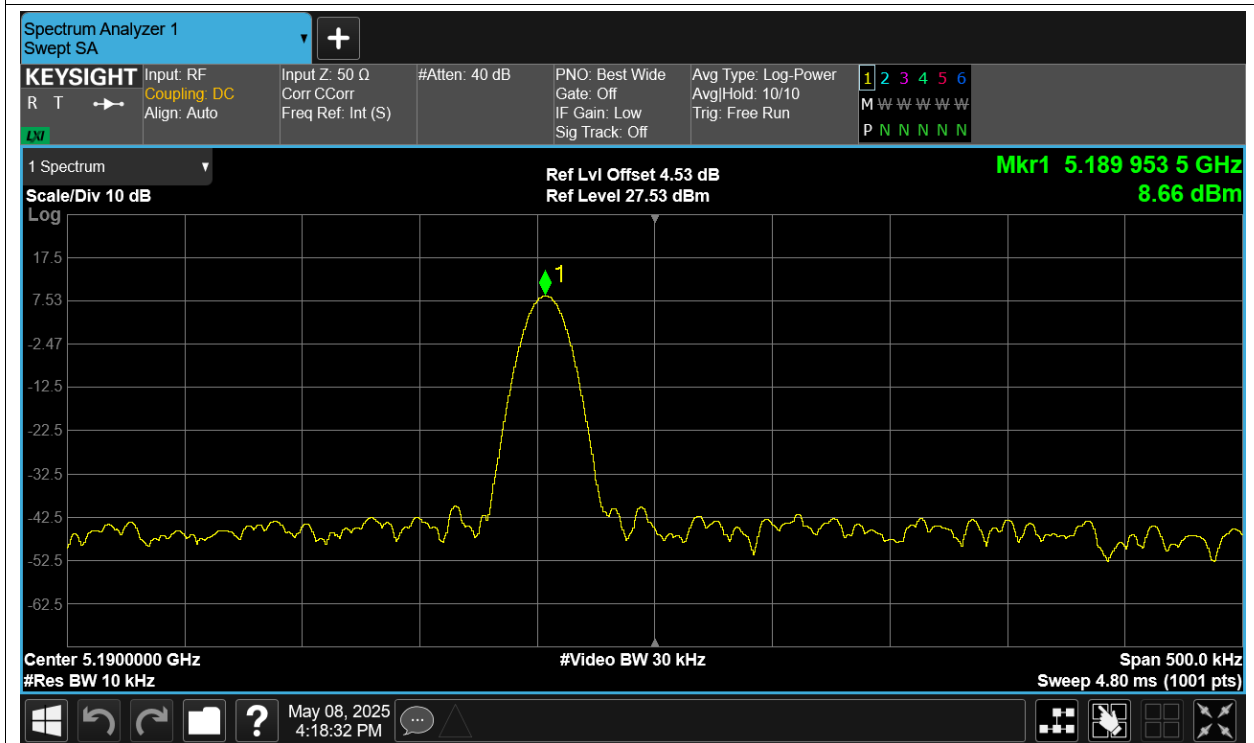
Freq. Stability LVNT n40 5190MHz Ant1



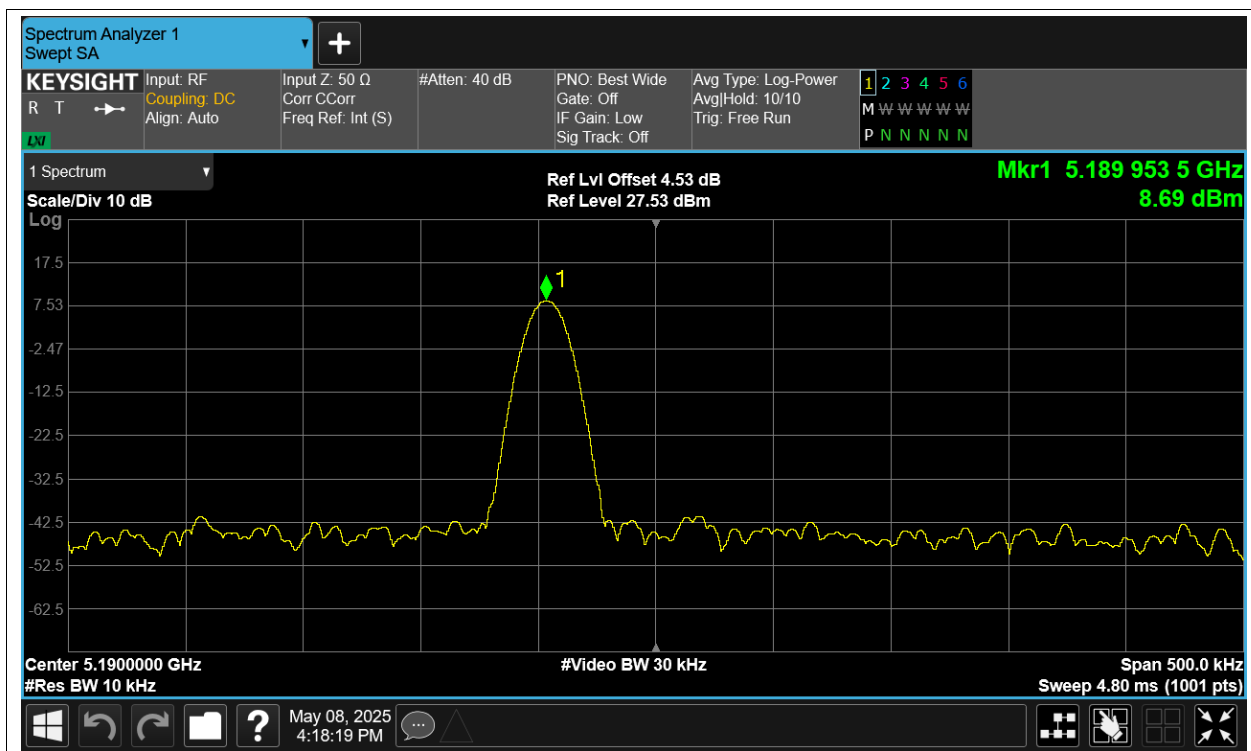
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

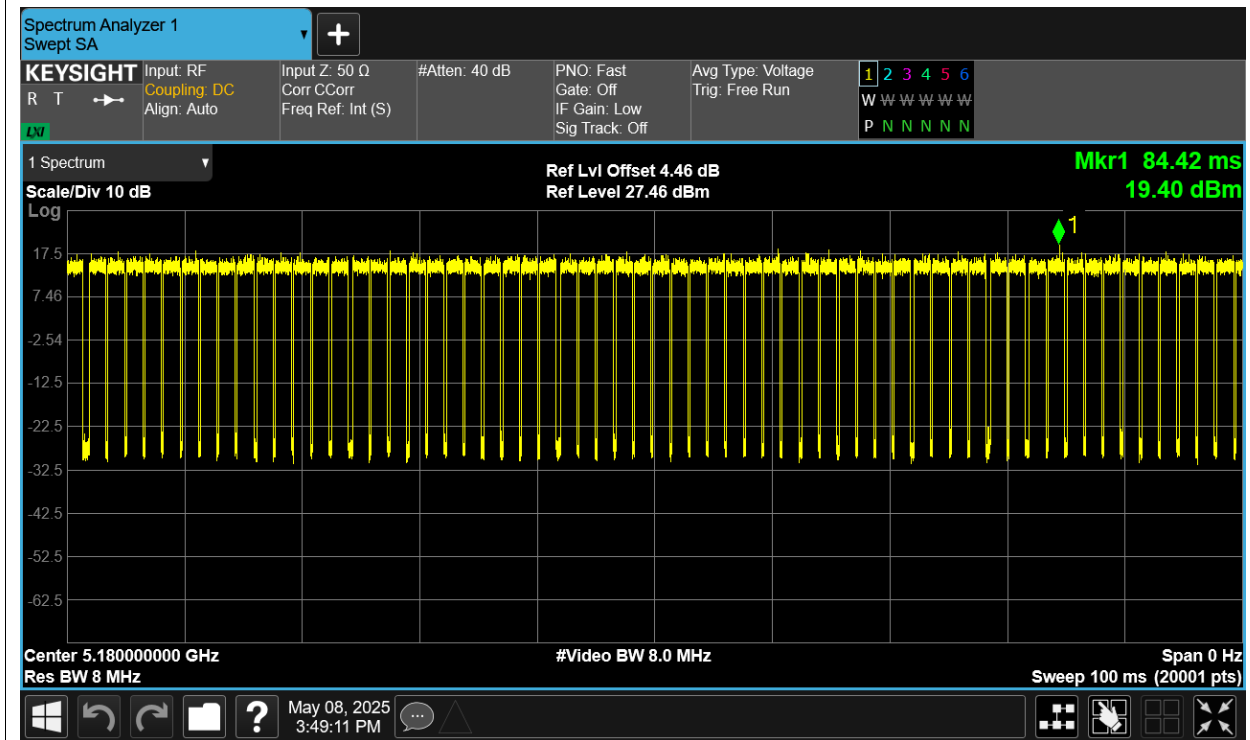


Duty Cycle

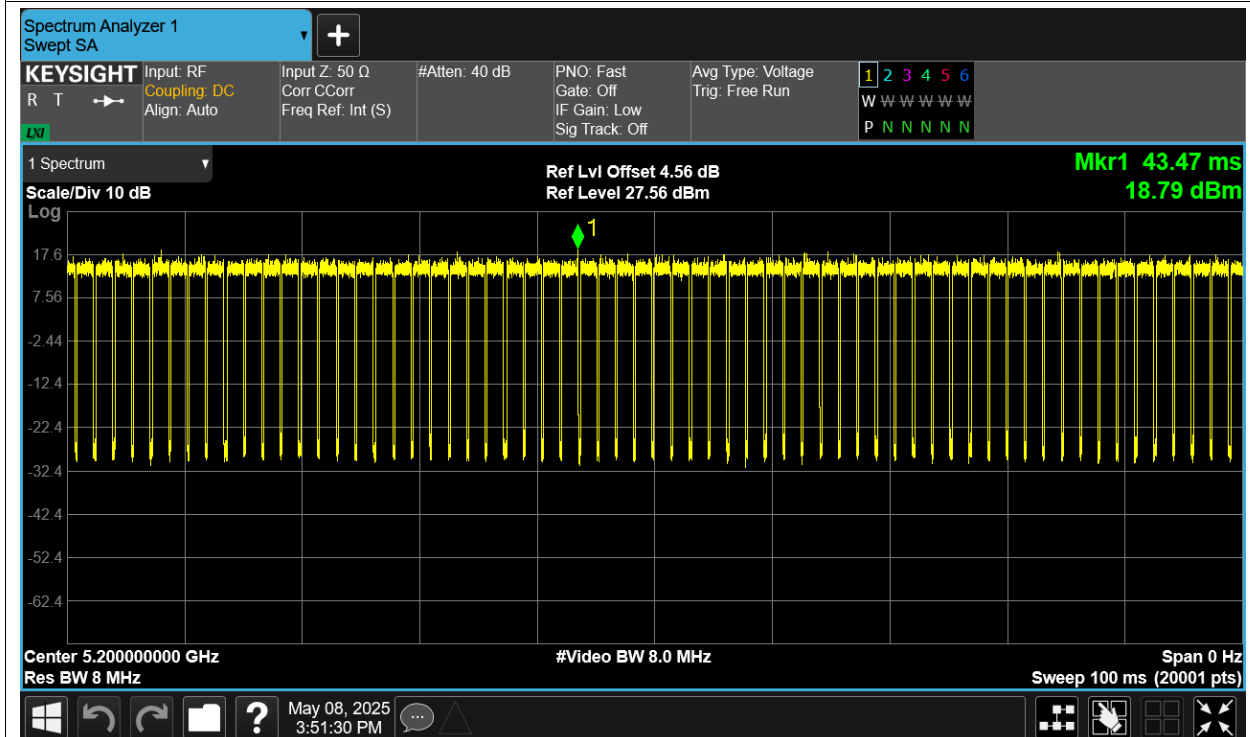
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	87.18	0.55
NVNT	a	5200	Ant1	88.28	0.54
NVNT	a	5240	Ant1	85.21	0.7
NVNT	ac20	5180	Ant1	86.89	0.61
NVNT	ac20	5200	Ant1	84.27	0.74
NVNT	ac20	5240	Ant1	84.67	0.72
NVNT	ac40	5190	Ant1	75.98	1.19
NVNT	ac40	5230	Ant1	76.23	1.18
NVNT	ac80	5210	Ant1	62.7	2.03
NVNT	n20	5180	Ant1	72.14	1.42
NVNT	n20	5200	Ant1	86.09	0.65
NVNT	n20	5240	Ant1	84.21	0.75
NVNT	n40	5190	Ant1	76.32	1.17
NVNT	n40	5230	Ant1	75.97	1.19

Test Graphs

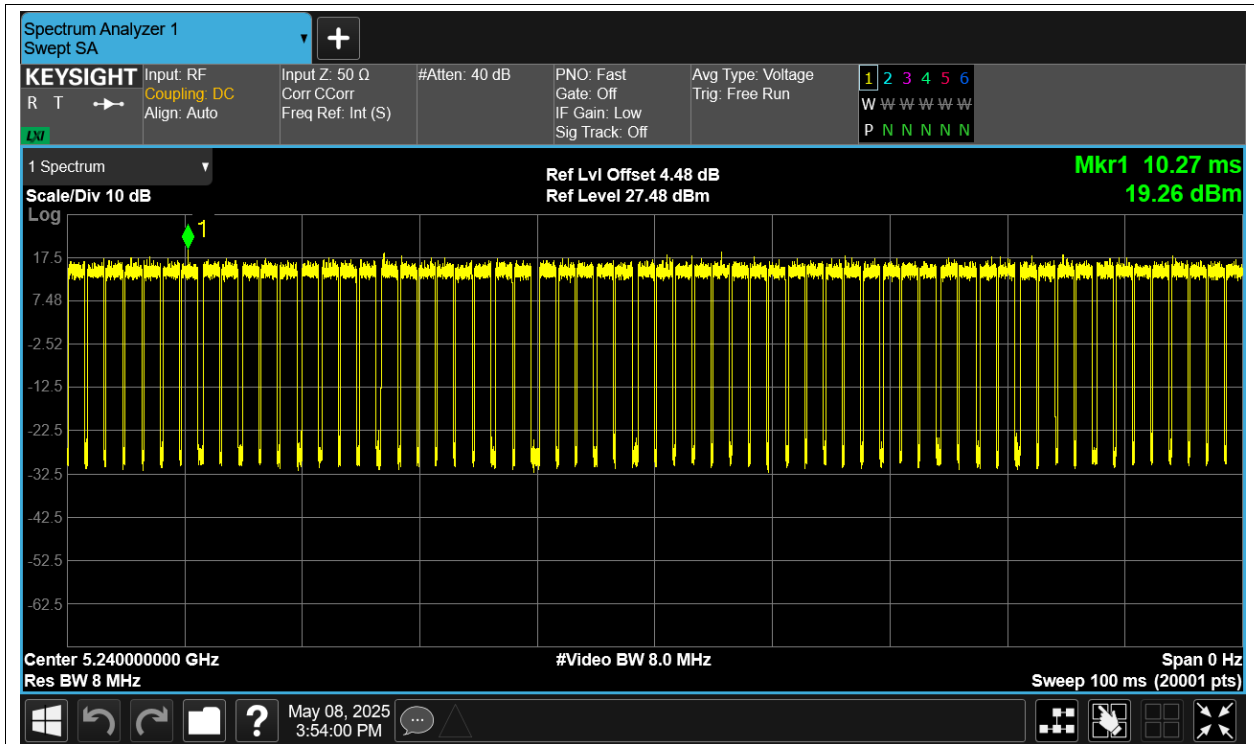
Duty Cycle NVNT a 5180MHz Ant1



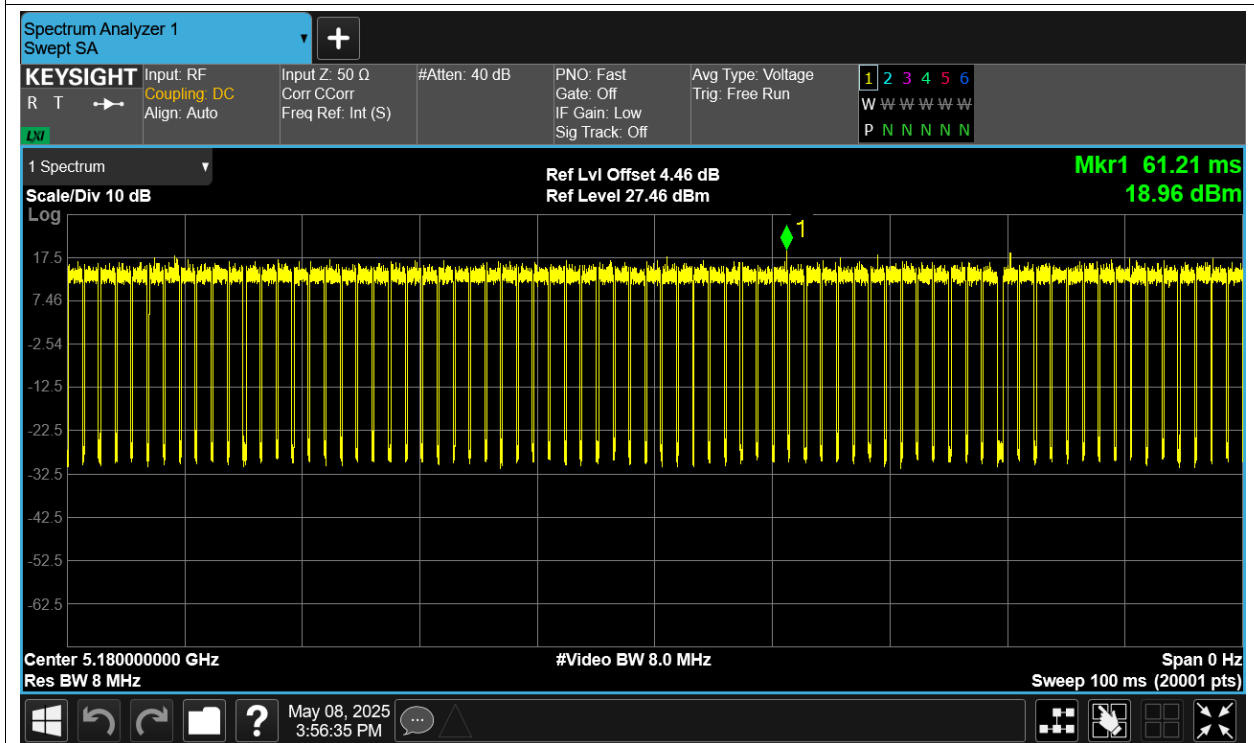
Duty Cycle NVNT a 5200MHz Ant1



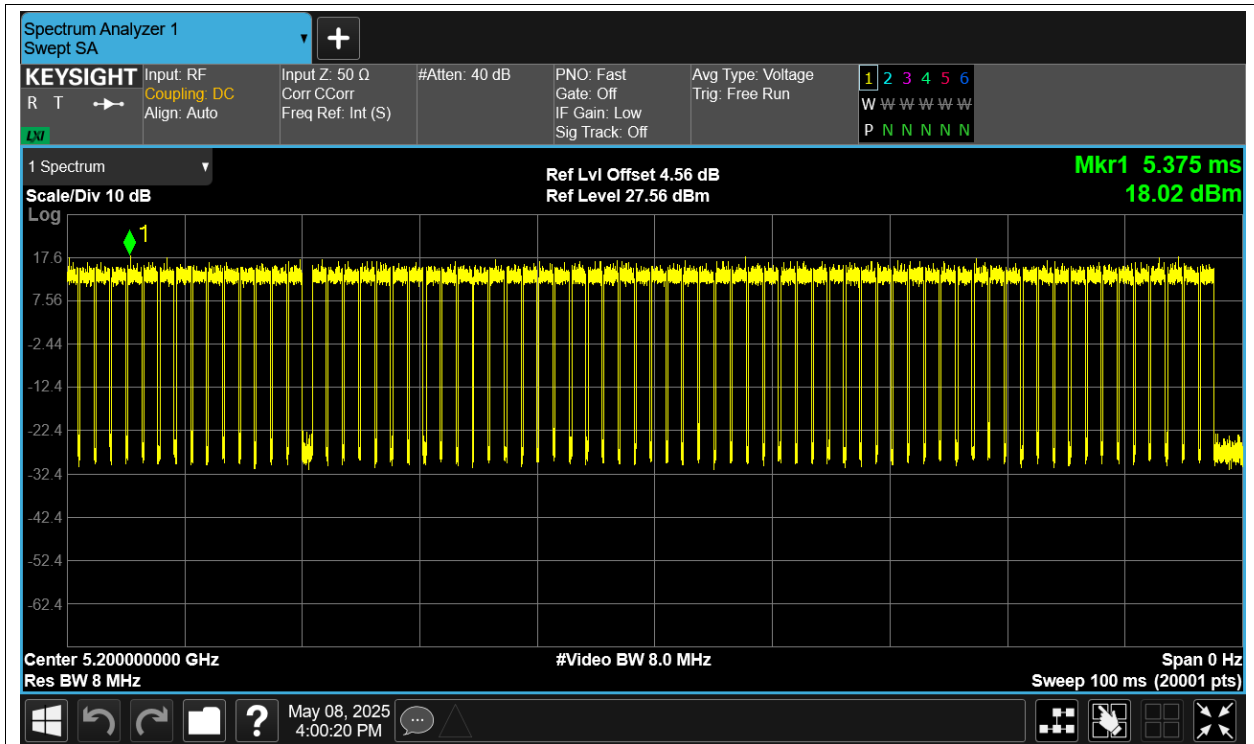
Duty Cycle NVNT a 5240MHz Ant1



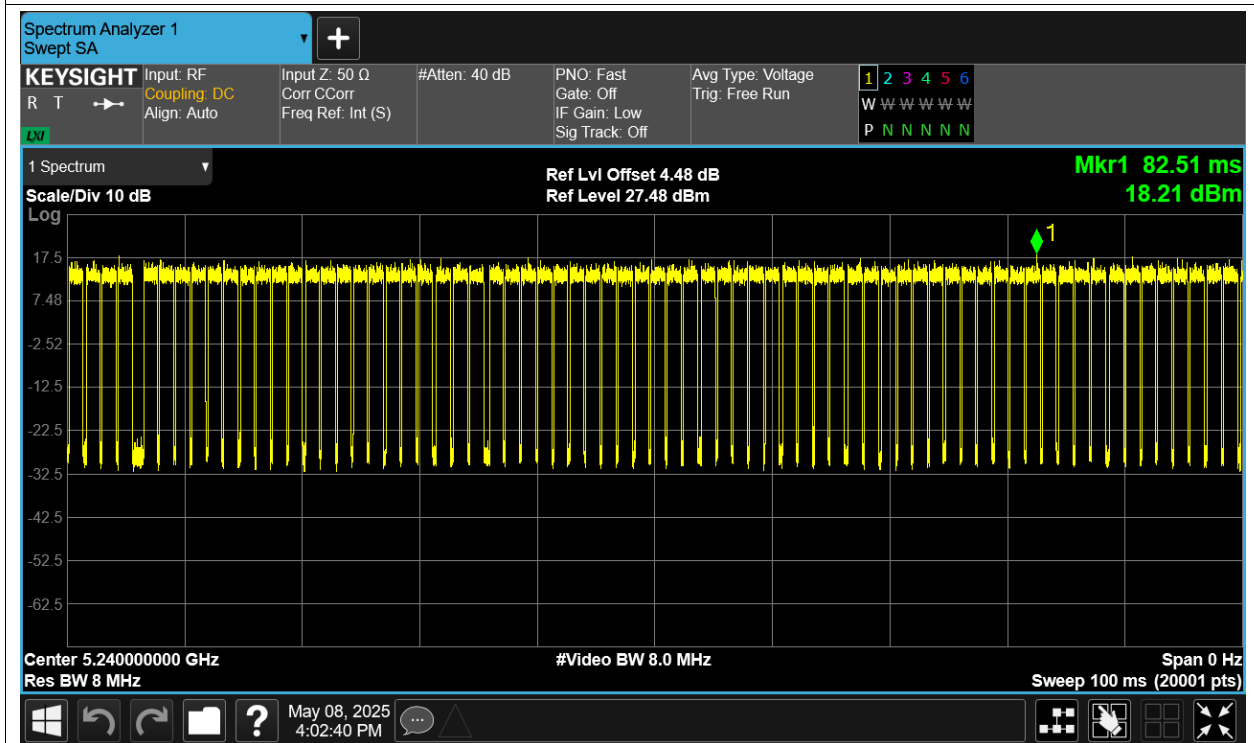
Duty Cycle NVNT ac20 5180MHz Ant1



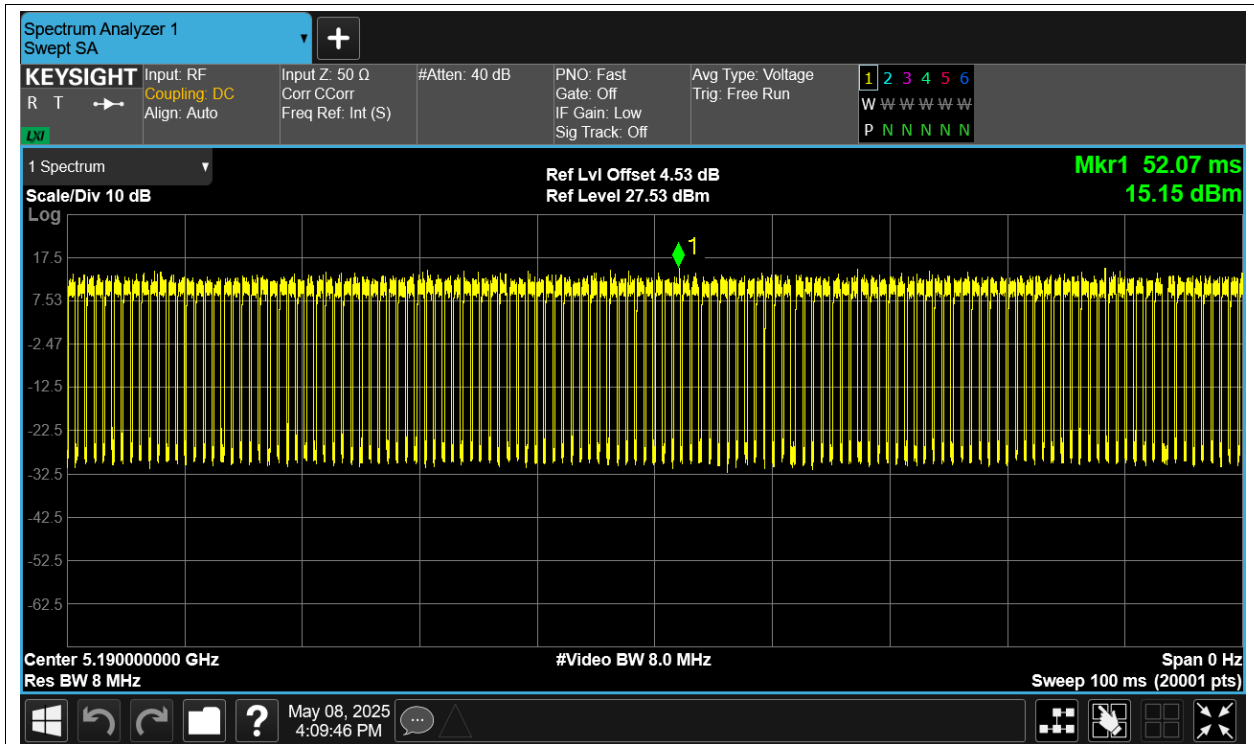
Duty Cycle NVNT ac20 5200MHz Ant1



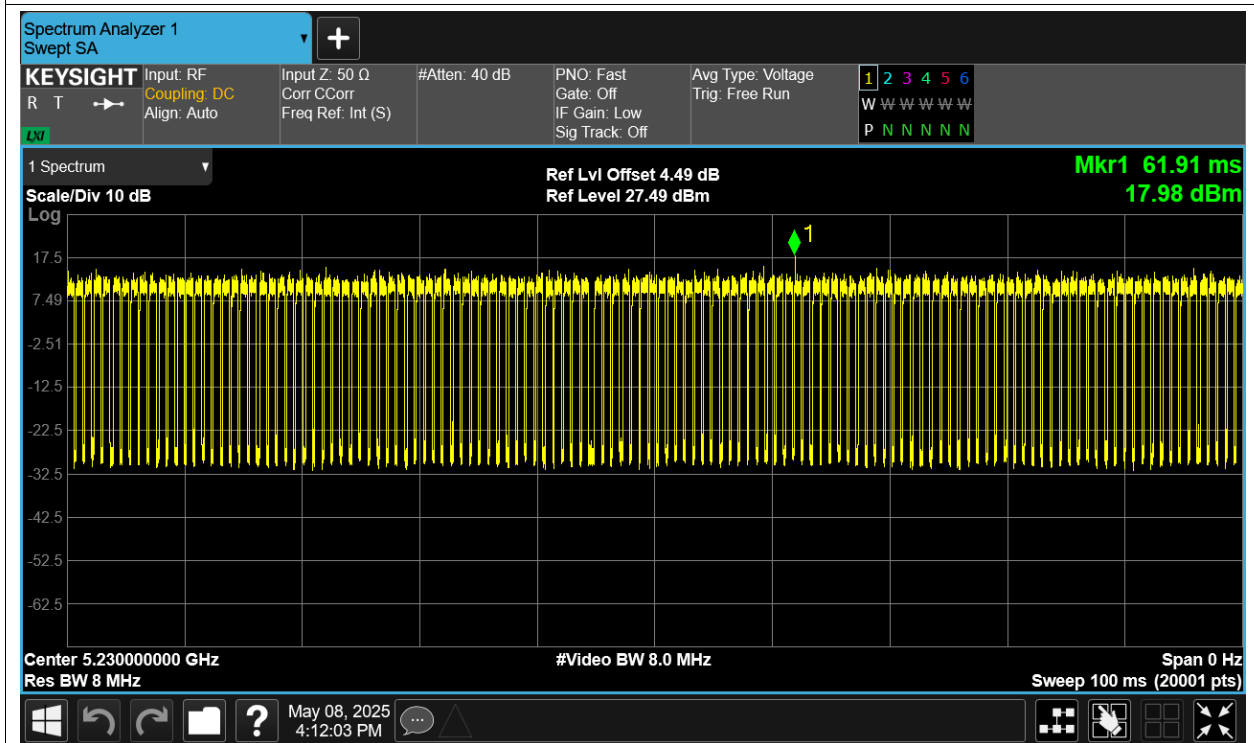
Duty Cycle NVNT ac20 5240MHz Ant1



Duty Cycle NVNT ac40 5190MHz Ant1



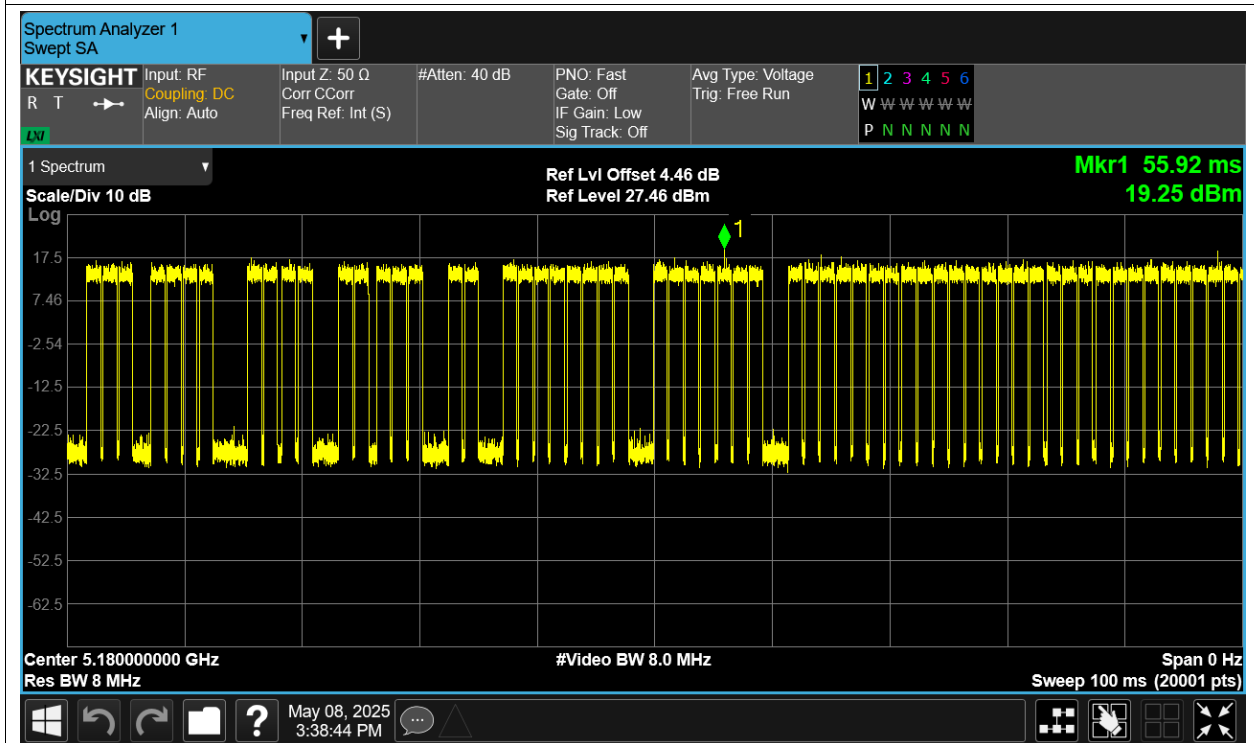
Duty Cycle NVNT ac40 5230MHz Ant1



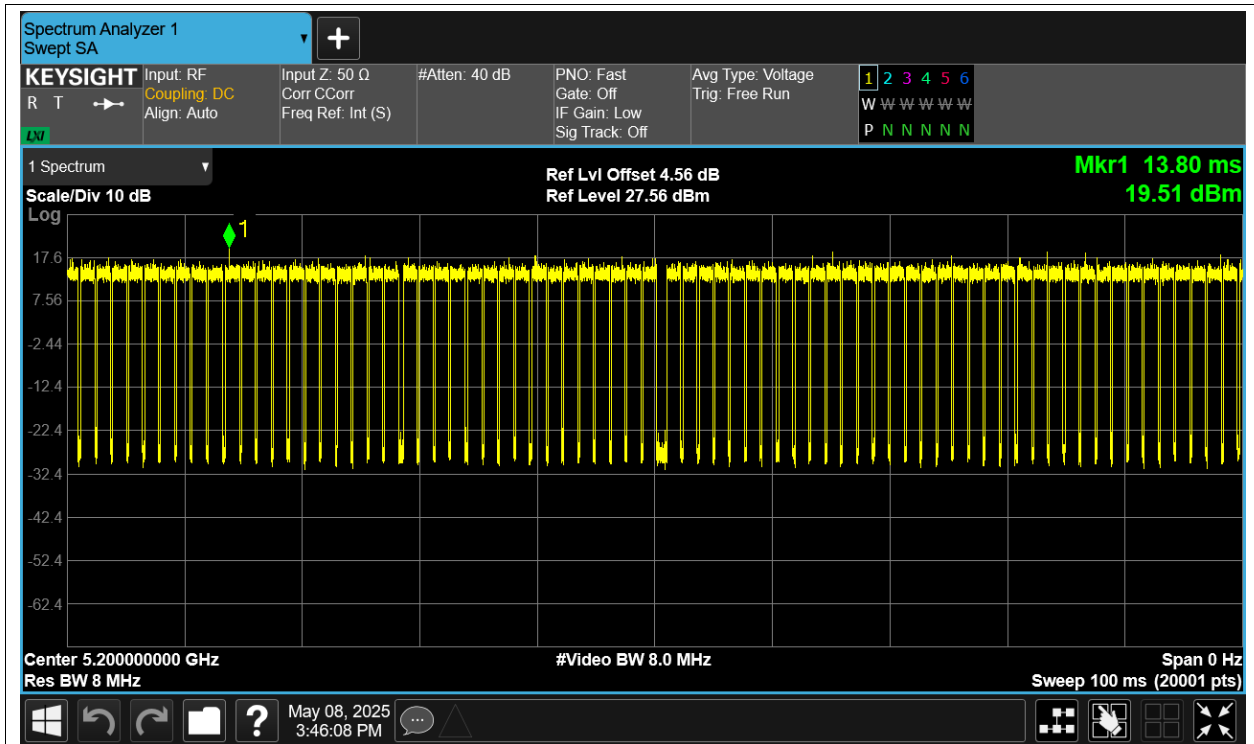
Duty Cycle NVNT ac80 5210MHz Ant1



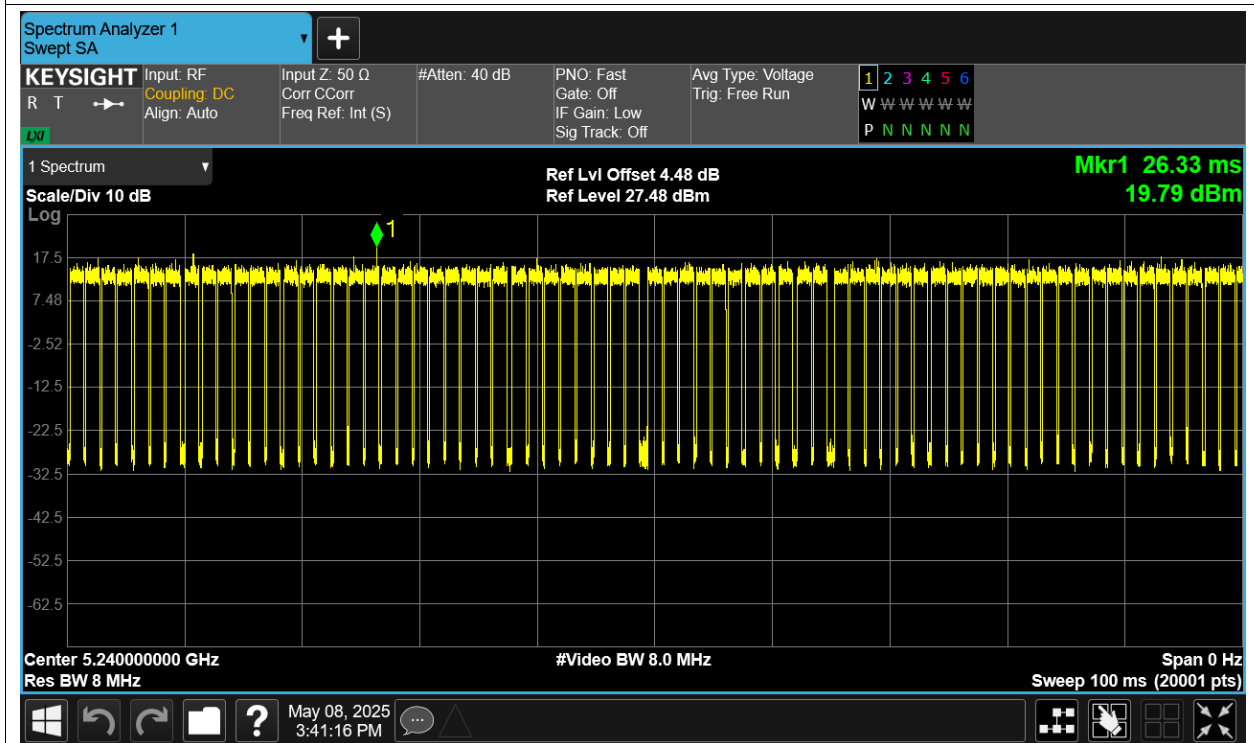
Duty Cycle NVNT n20 5180MHz Ant1



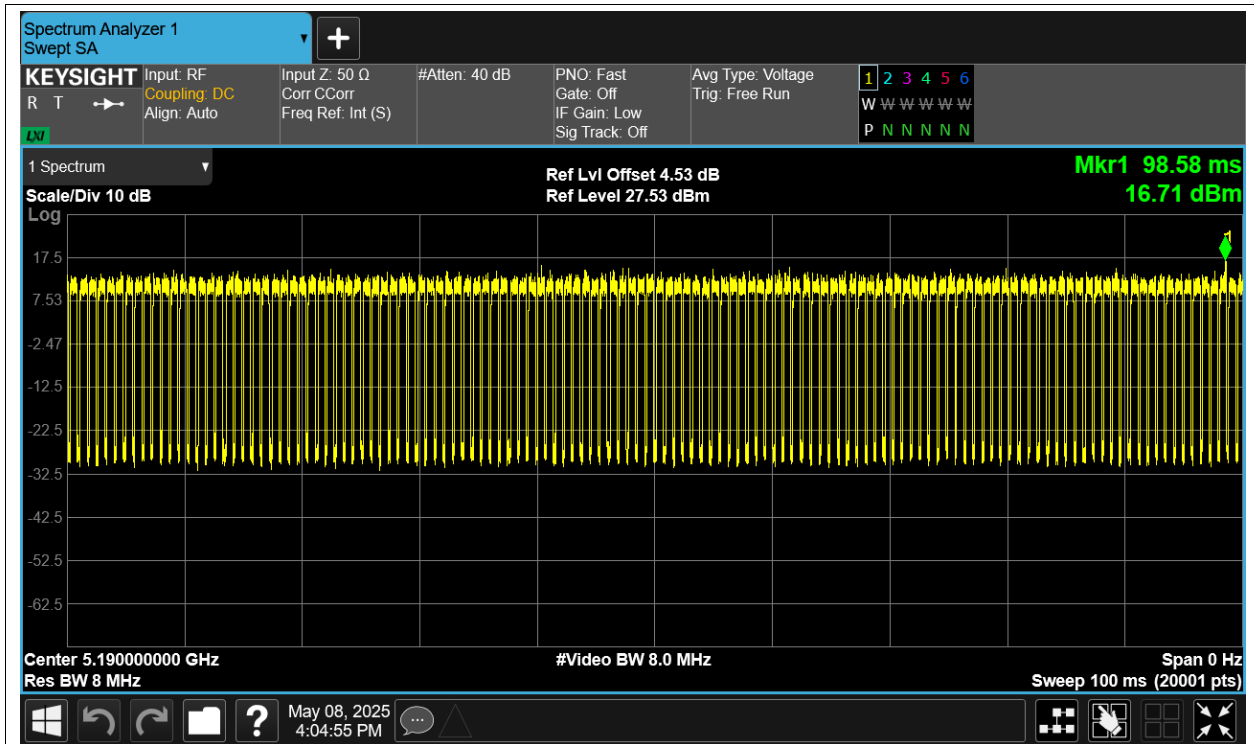
Duty Cycle NVNT n20 5200MHz Ant1



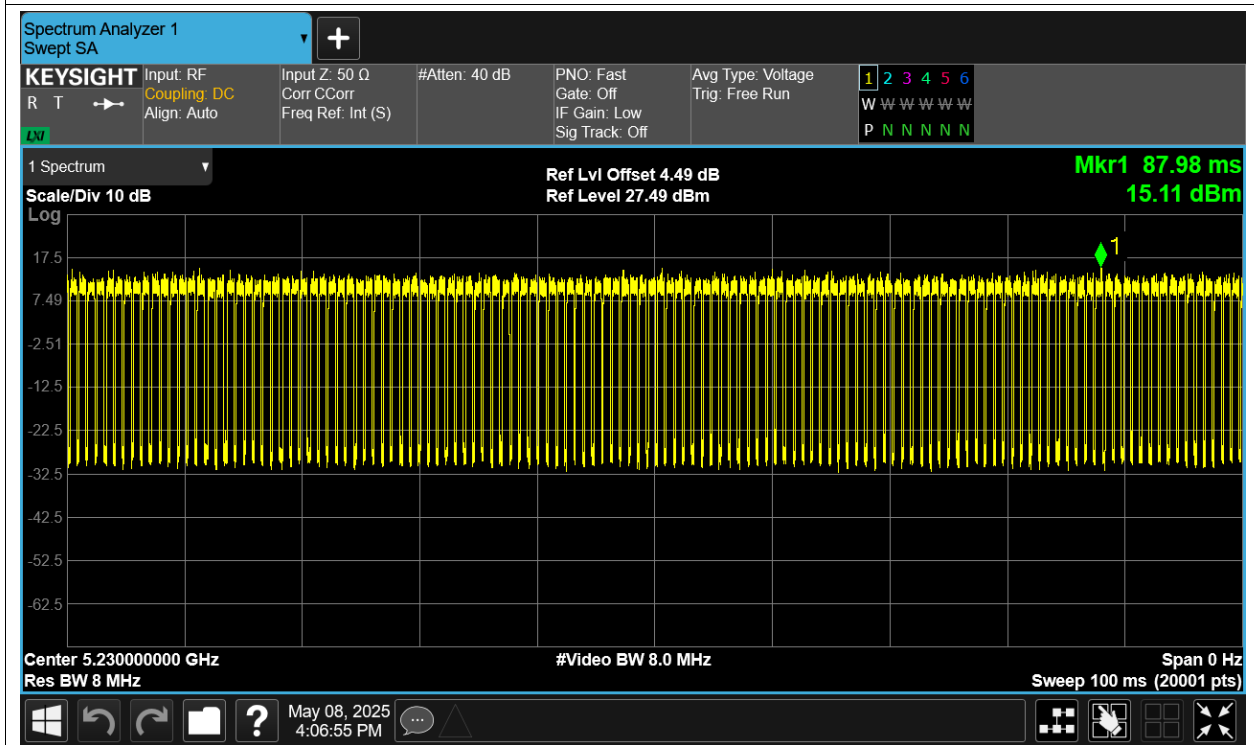
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

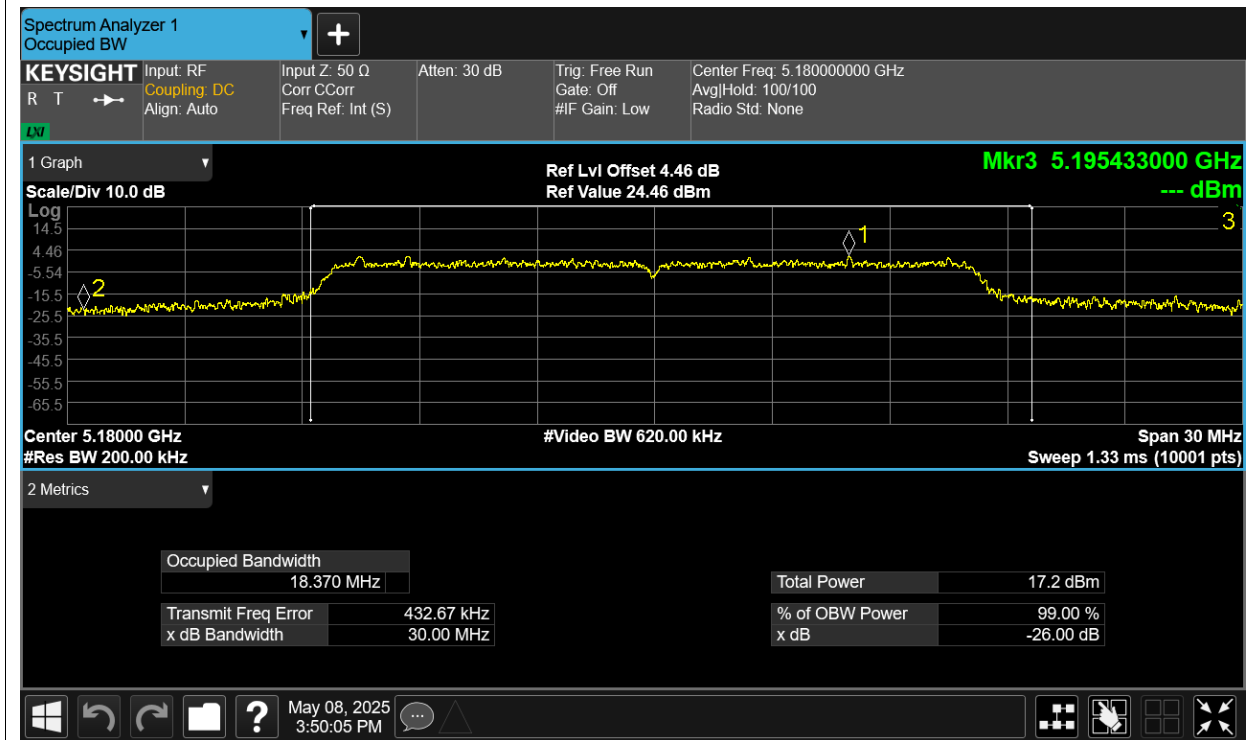
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.14	0.55	12.69	24	Pass
NVNT	a	5200	Ant1	11.74	0.54	12.28	24	Pass
NVNT	a	5240	Ant1	13.27	0.7	13.97	24	Pass
NVNT	ac20	5180	Ant1	10.89	0.61	11.5	24	Pass
NVNT	ac20	5200	Ant1	10.52	0.74	11.26	24	Pass
NVNT	ac20	5240	Ant1	11.65	0.72	12.37	24	Pass
NVNT	ac40	5190	Ant1	10.75	1.19	11.94	23	Pass
NVNT	ac40	5230	Ant1	11.43	1.18	12.61	24	Pass
NVNT	ac80	5210	Ant1	10.4	2.03	12.43	24	Pass
NVNT	n20	5180	Ant1	10.84	1.42	12.26	24	Pass
NVNT	n20	5200	Ant1	10.89	0.59	11.48	24	Pass
NVNT	n20	5240	Ant1	11.49	0.75	12.24	24	Pass
NVNT	n40	5190	Ant1	10.98	1.17	12.15	24	Pass
NVNT	n40	5230	Ant1	11.1	1.19	12.29	24	Pass

-26dB Bandwidth

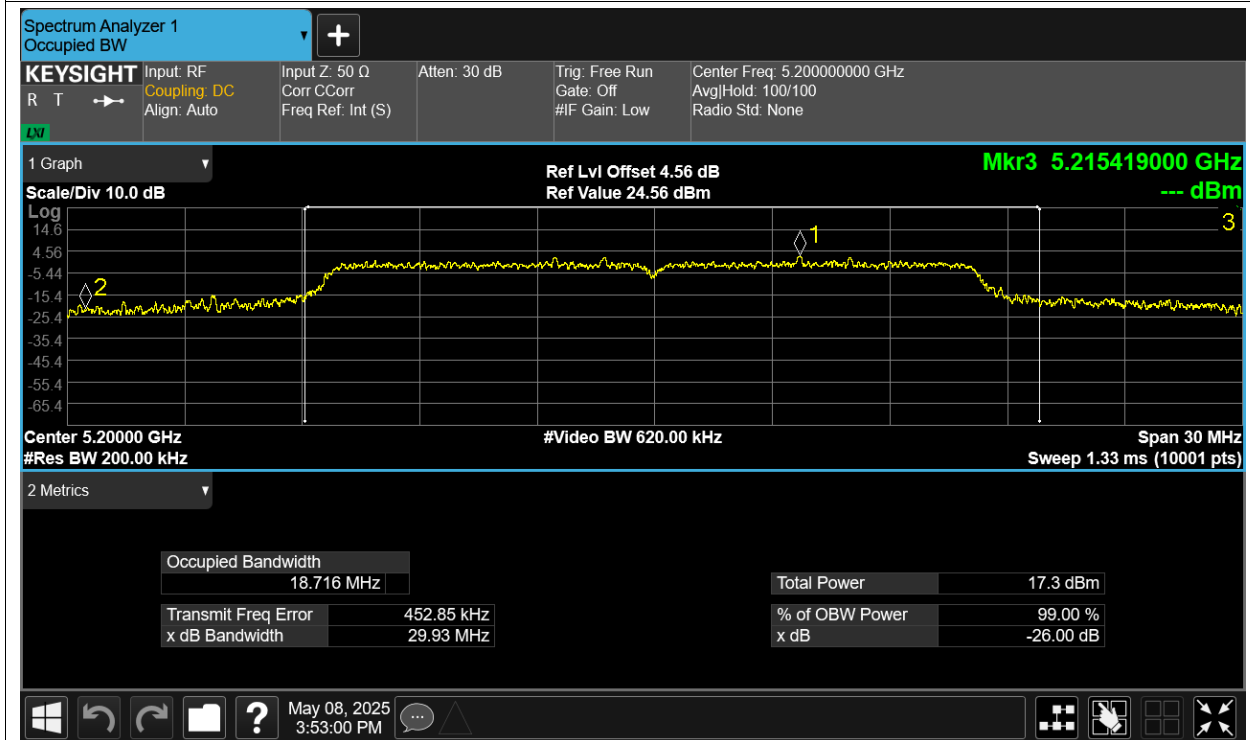
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	30
NVNT	a	5200	Ant1	29.932
NVNT	a	5240	Ant1	30
NVNT	ac20	5180	Ant1	29.964
NVNT	ac20	5200	Ant1	28.857
NVNT	ac20	5240	Ant1	29.107
NVNT	ac40	5190	Ant1	59.509
NVNT	ac40	5230	Ant1	59.521
NVNT	ac80	5210	Ant1	115.489
NVNT	n20	5180	Ant1	28.667
NVNT	n20	5200	Ant1	29.976
NVNT	n20	5240	Ant1	29.775
NVNT	n40	5190	Ant1	59.965
NVNT	n40	5230	Ant1	59.637

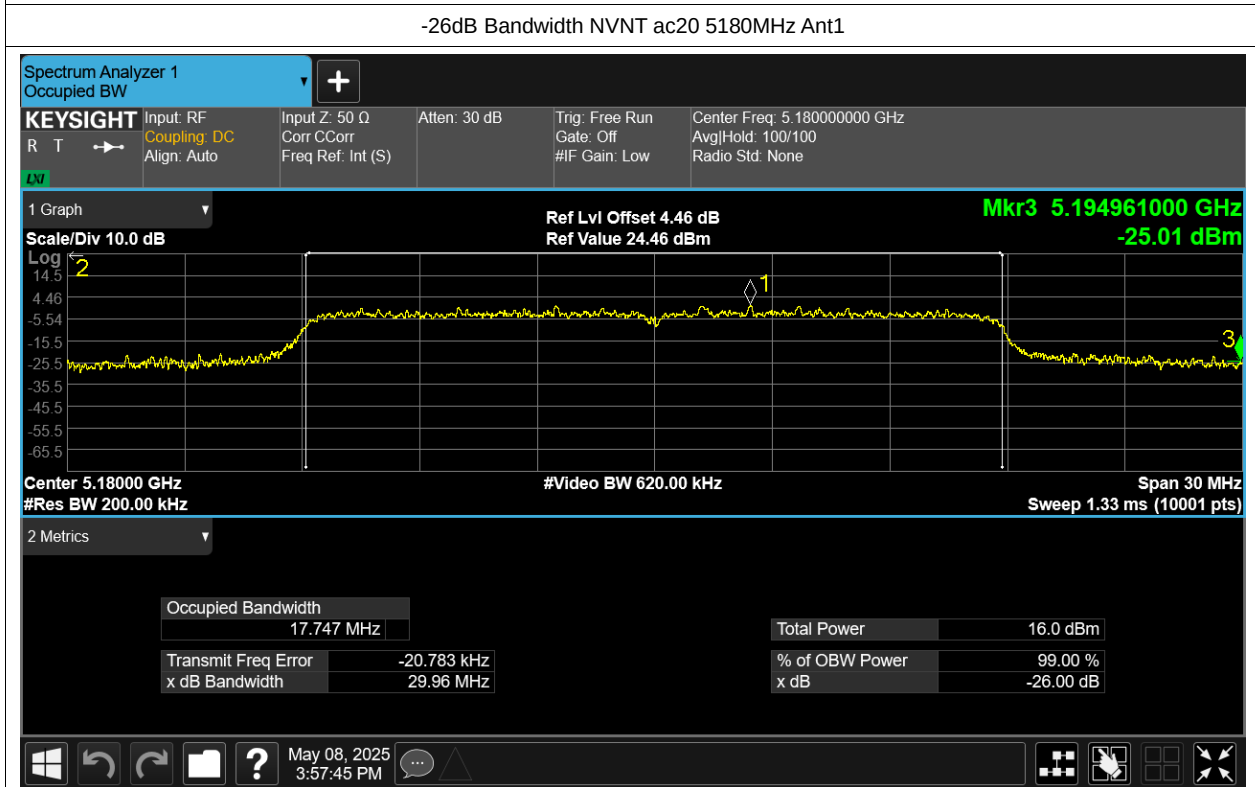
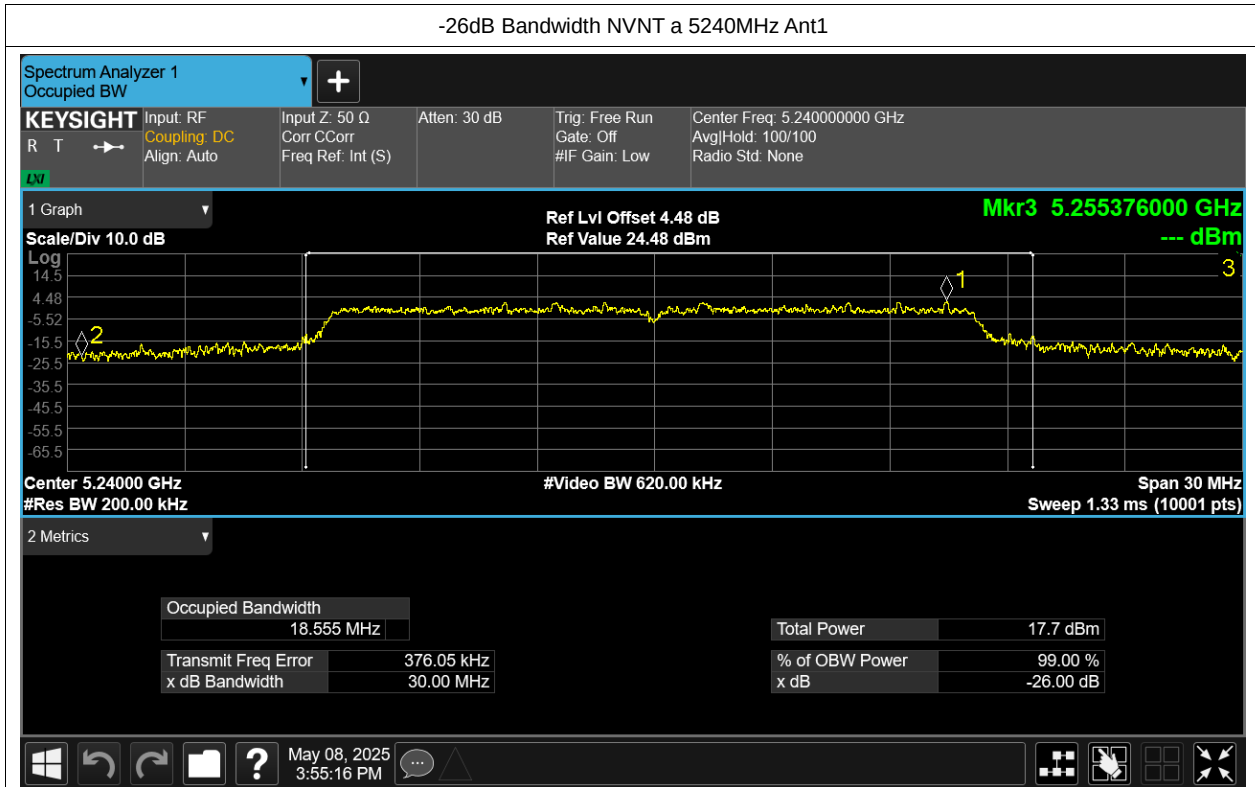
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

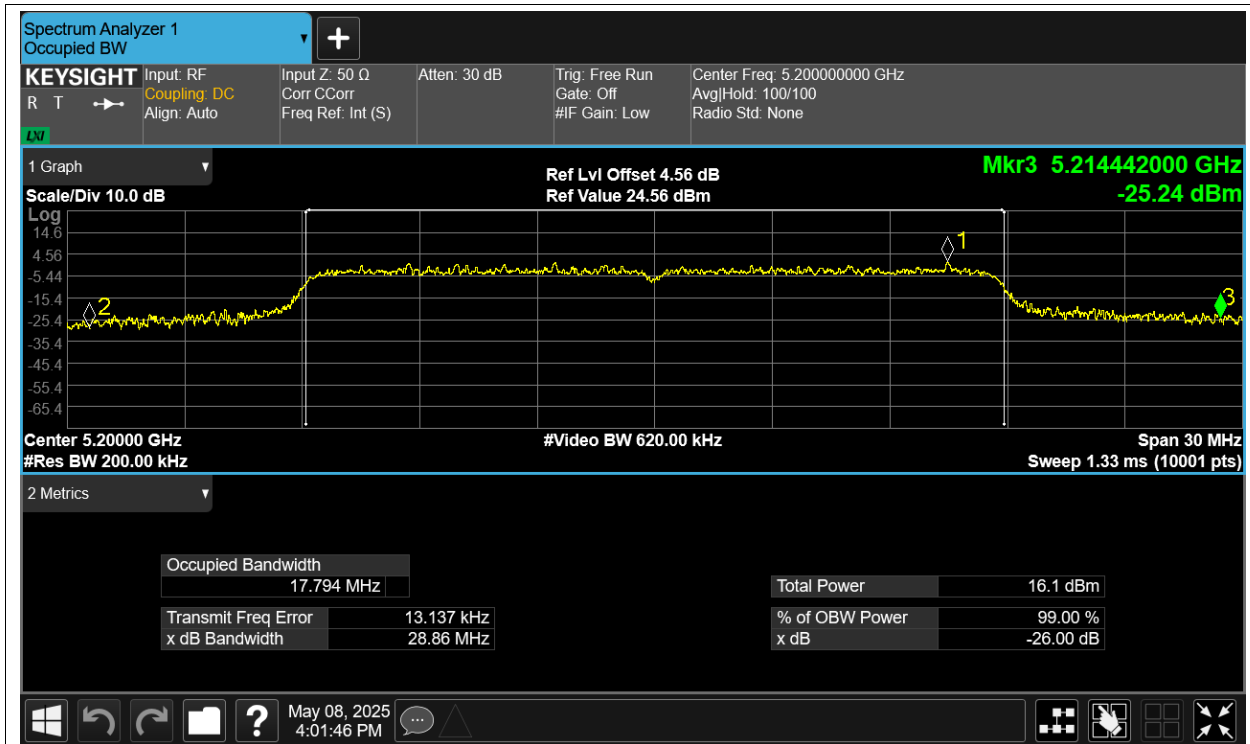


-26dB Bandwidth NVNT a 5200MHz Ant1

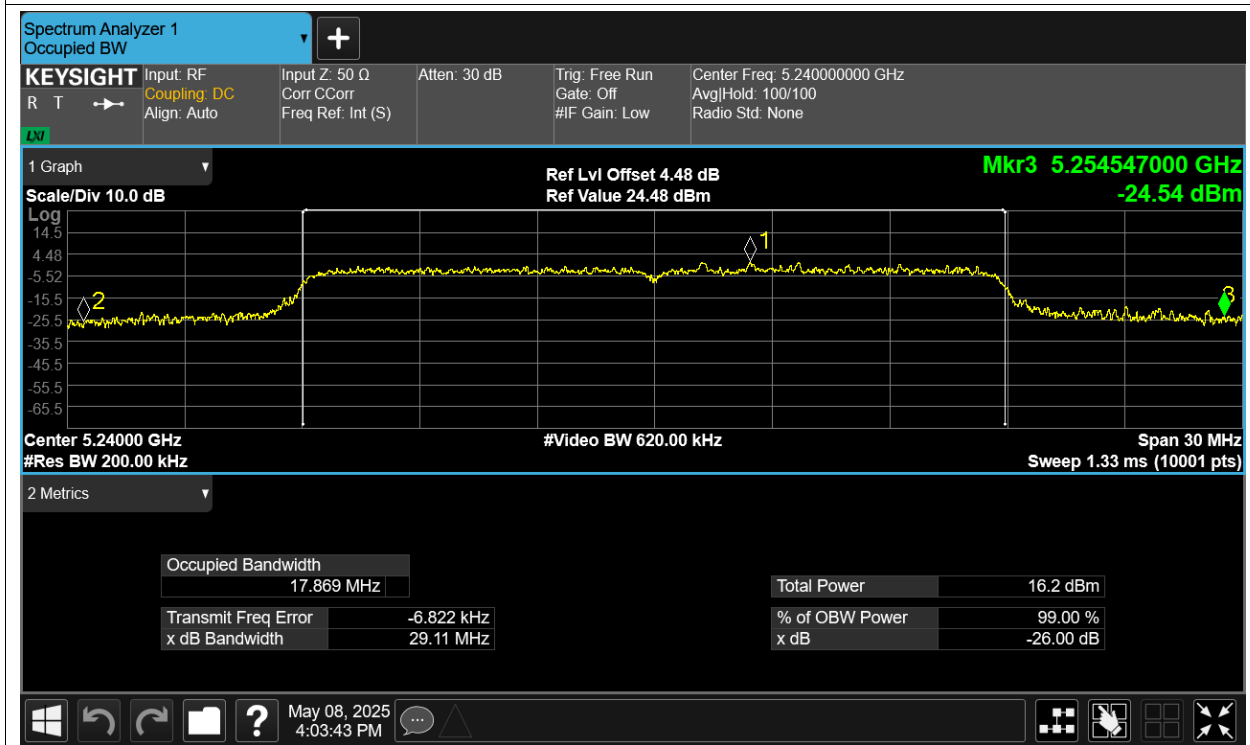


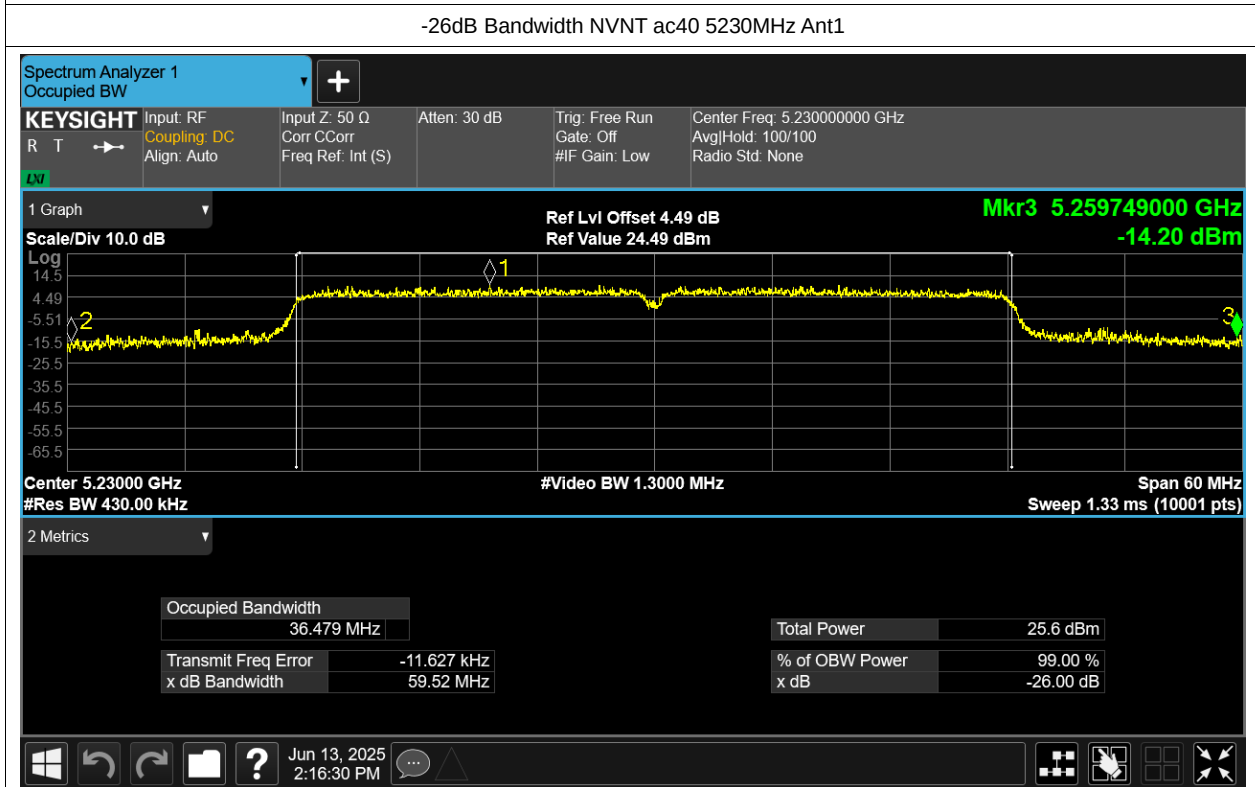
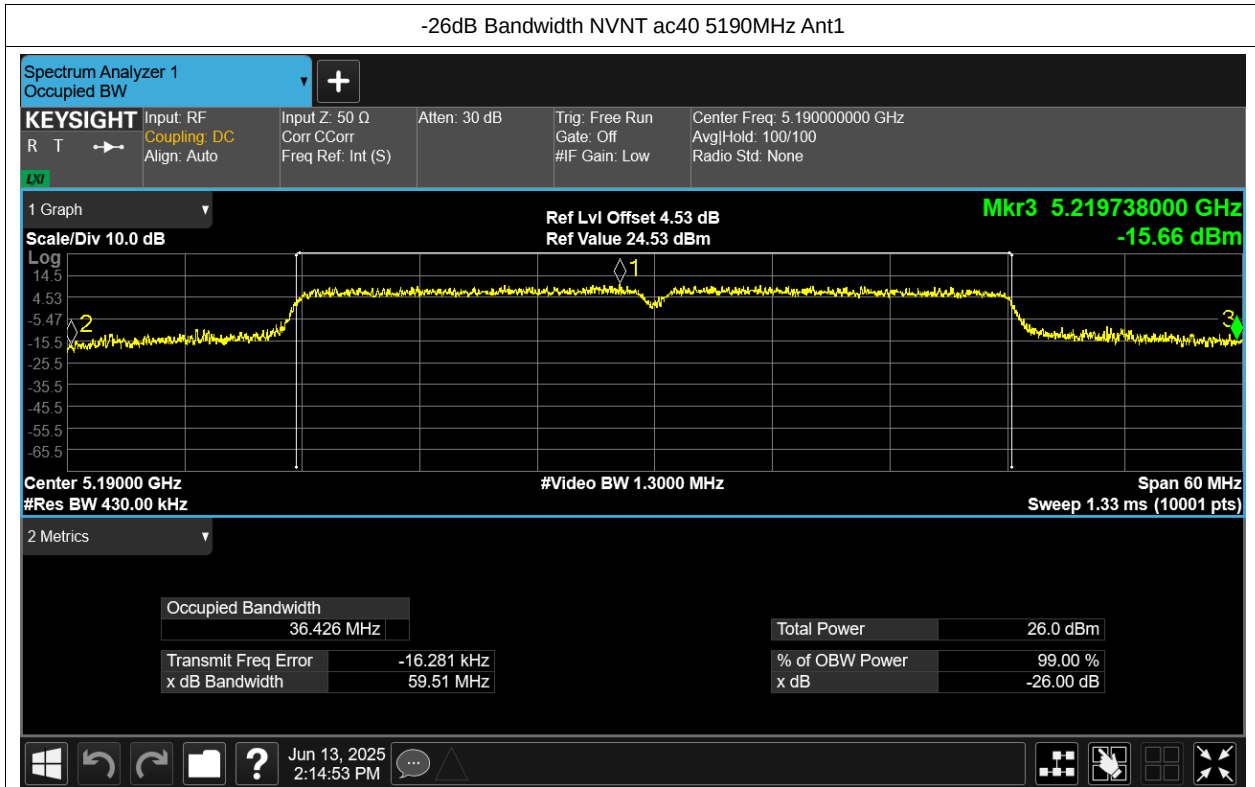


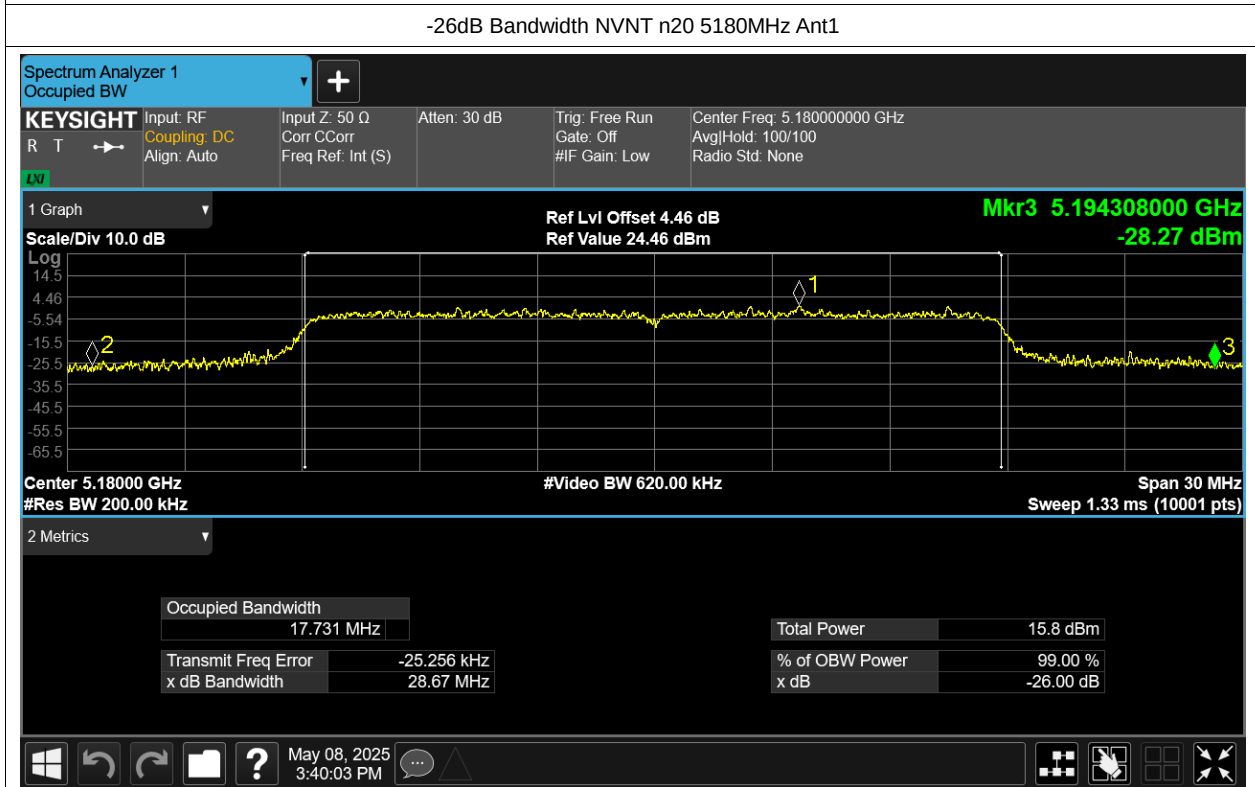
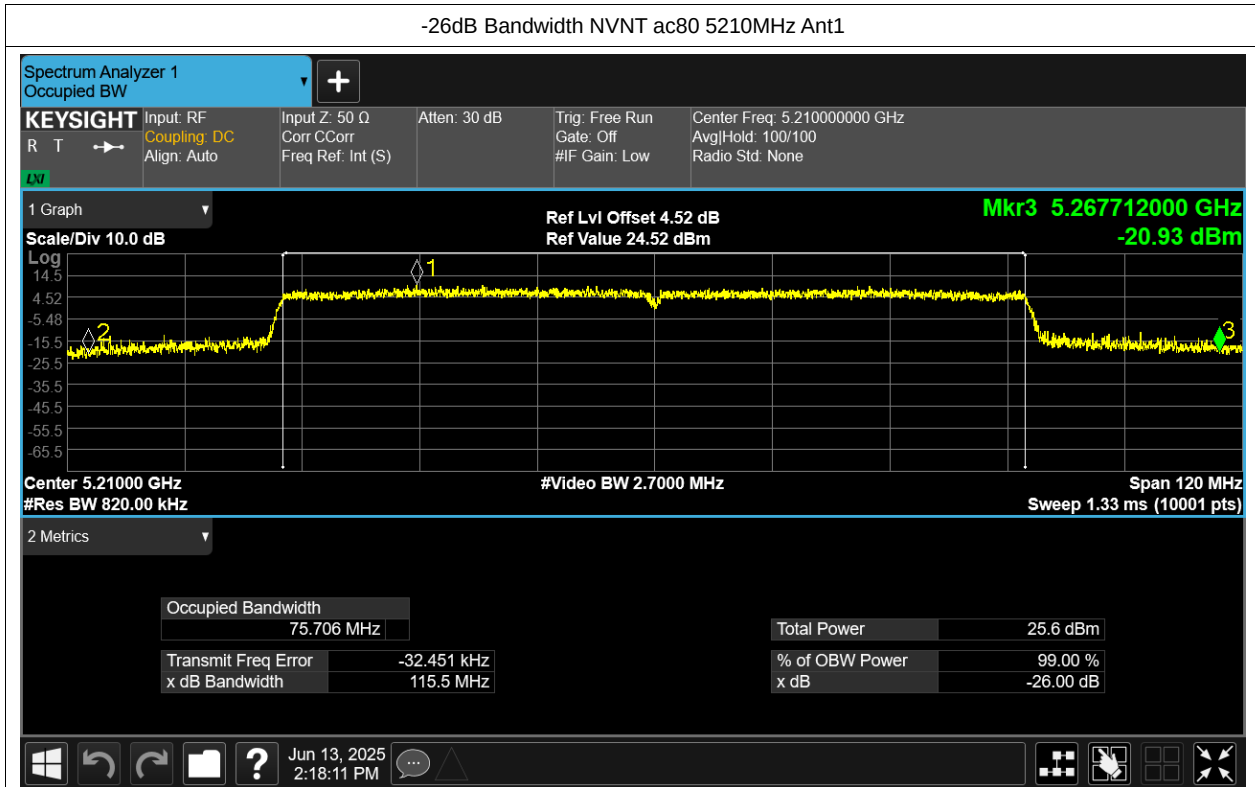
-26dB Bandwidth NVNT ac20 5200MHz Ant1

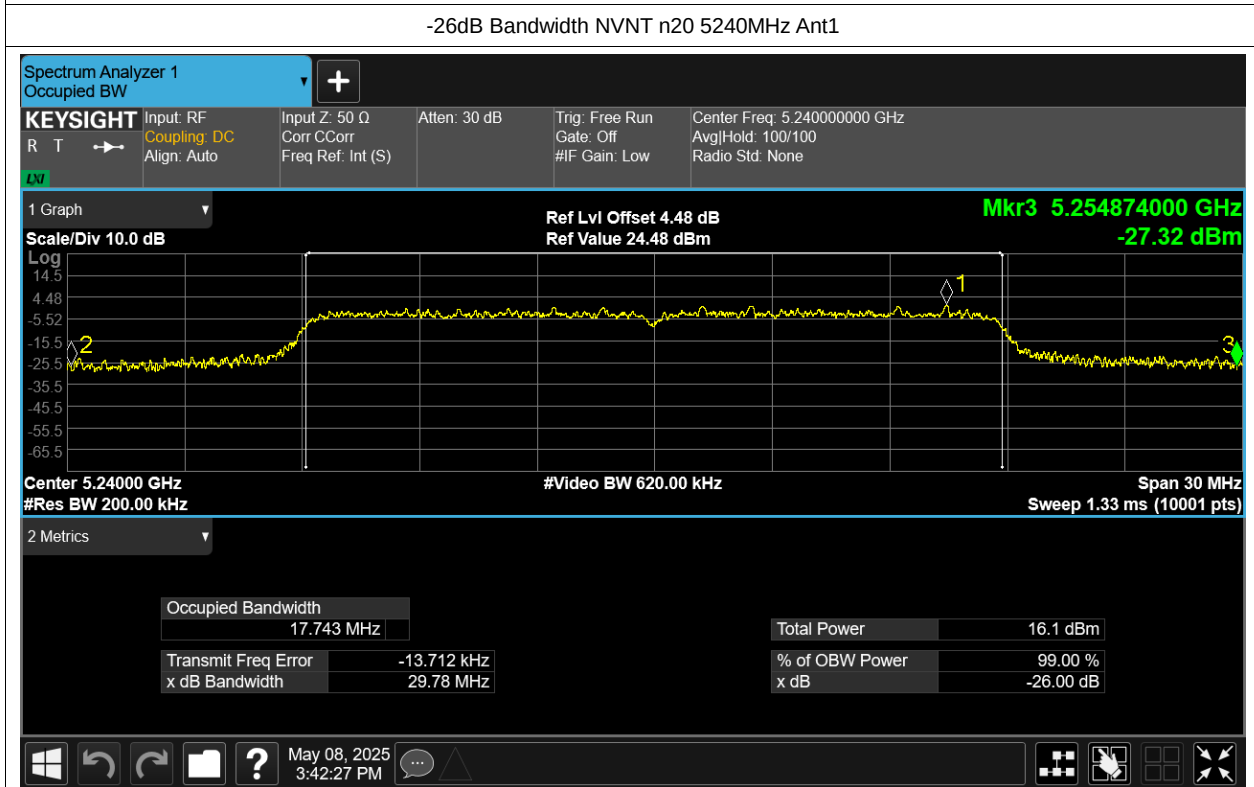
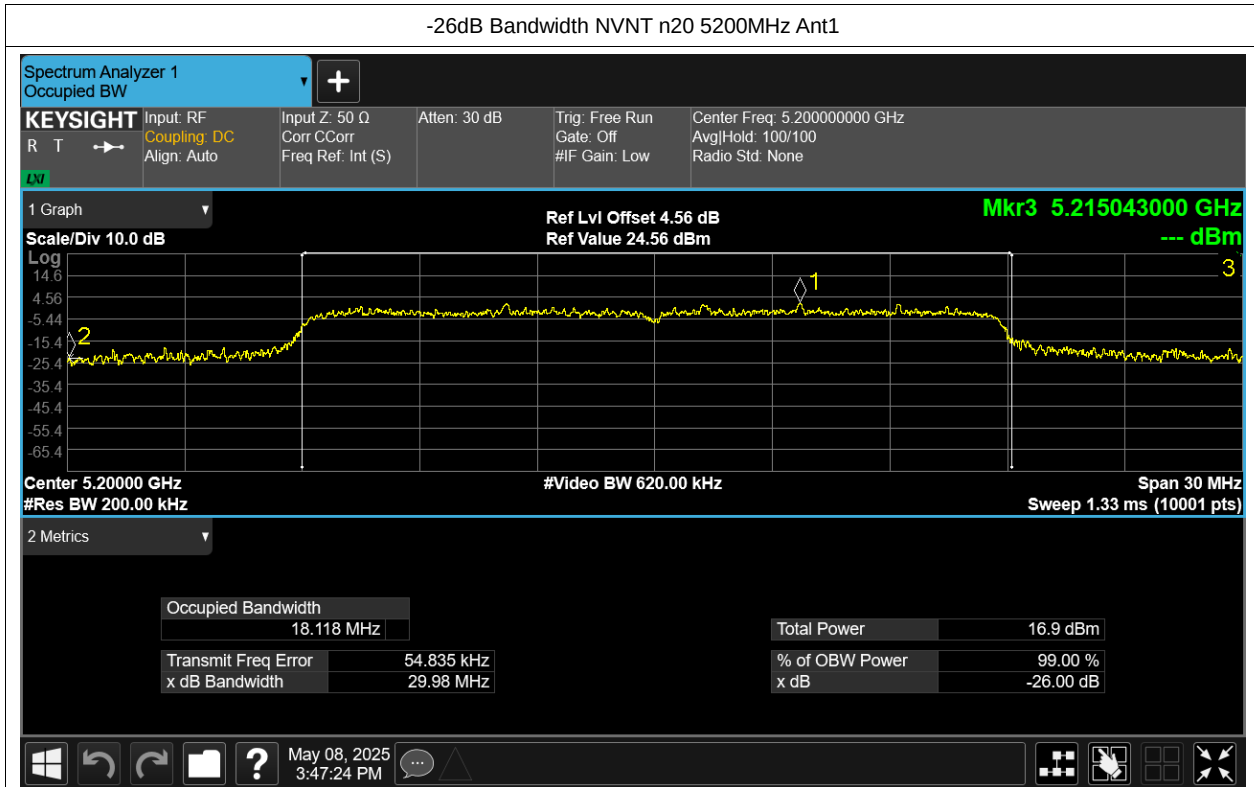


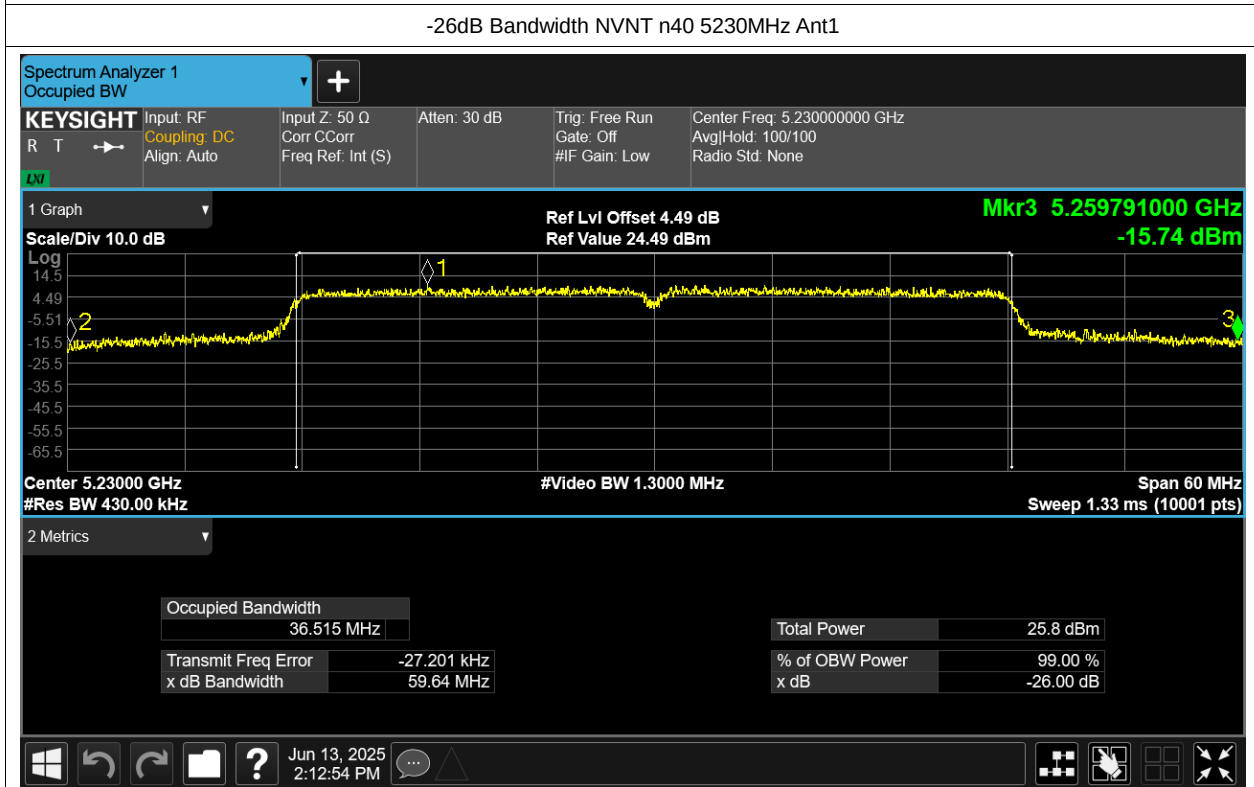
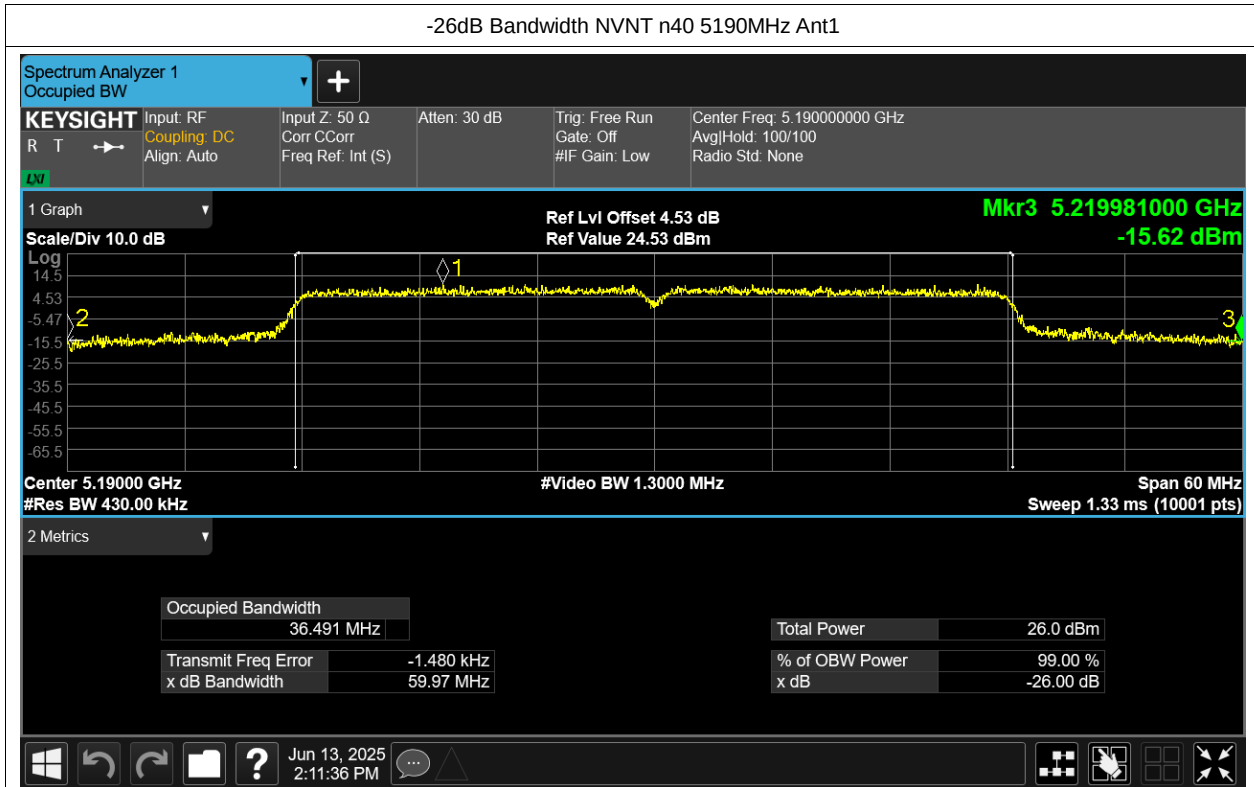
-26dB Bandwidth NVNT ac20 5240MHz Ant1









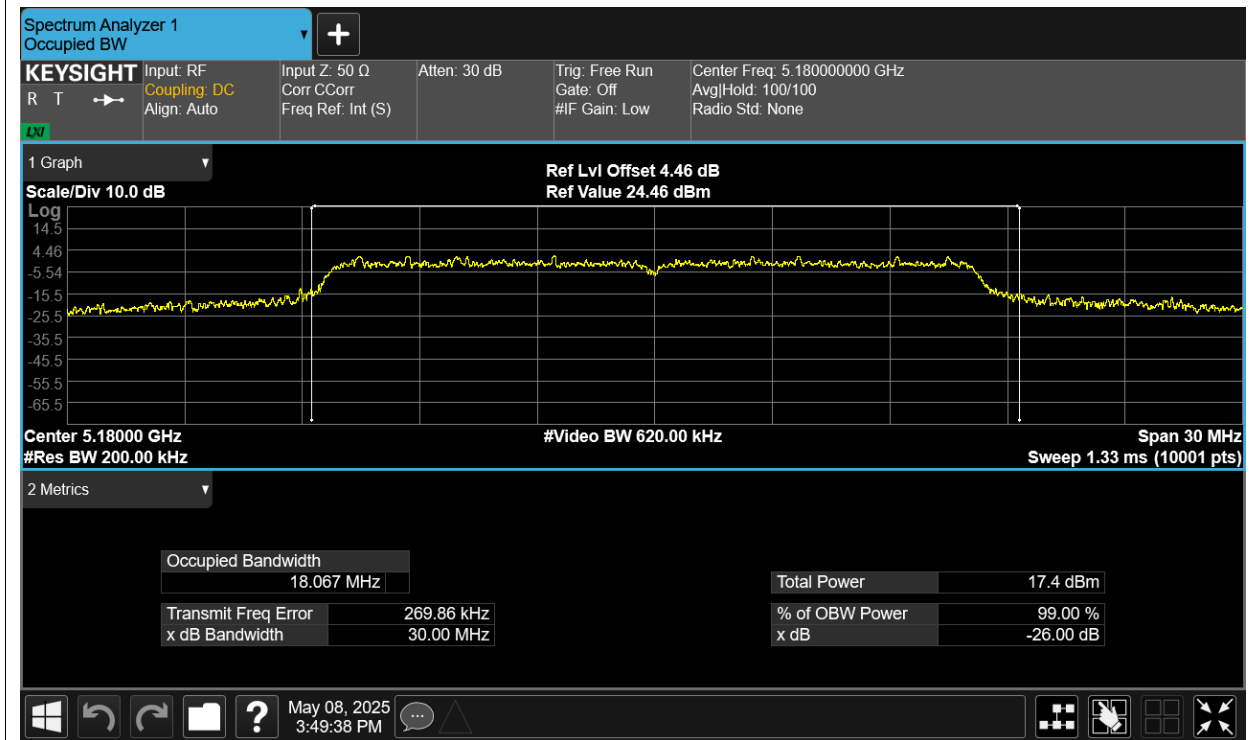


Occupied Channel Bandwidth

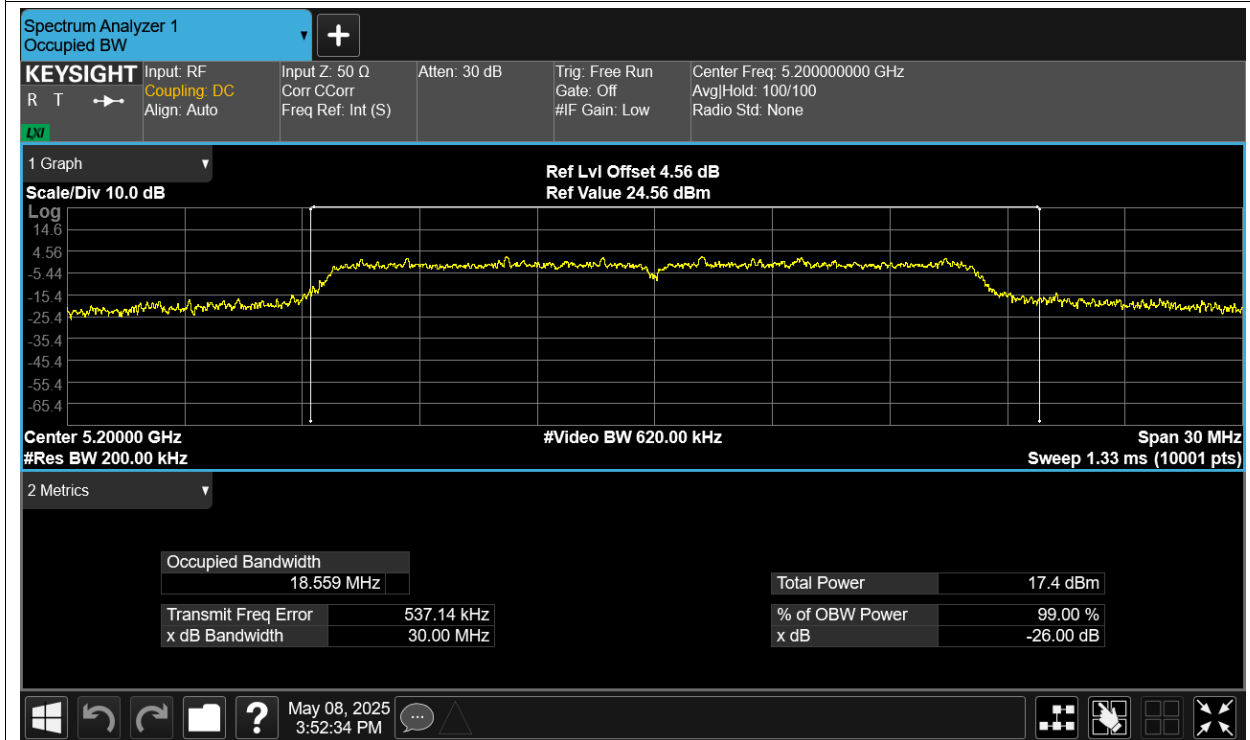
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	18.067
NVNT	a	5200	Ant1	18.559
NVNT	a	5240	Ant1	18.808
NVNT	ac20	5180	Ant1	17.796
NVNT	ac20	5200	Ant1	17.81
NVNT	ac20	5240	Ant1	17.8
NVNT	ac40	5190	Ant1	36.398
NVNT	ac40	5230	Ant1	36.419
NVNT	ac80	5210	Ant1	75.748
NVNT	n20	5180	Ant1	17.729
NVNT	n20	5200	Ant1	18.194
NVNT	n20	5240	Ant1	17.782
NVNT	n40	5190	Ant1	36.47
NVNT	n40	5230	Ant1	36.431

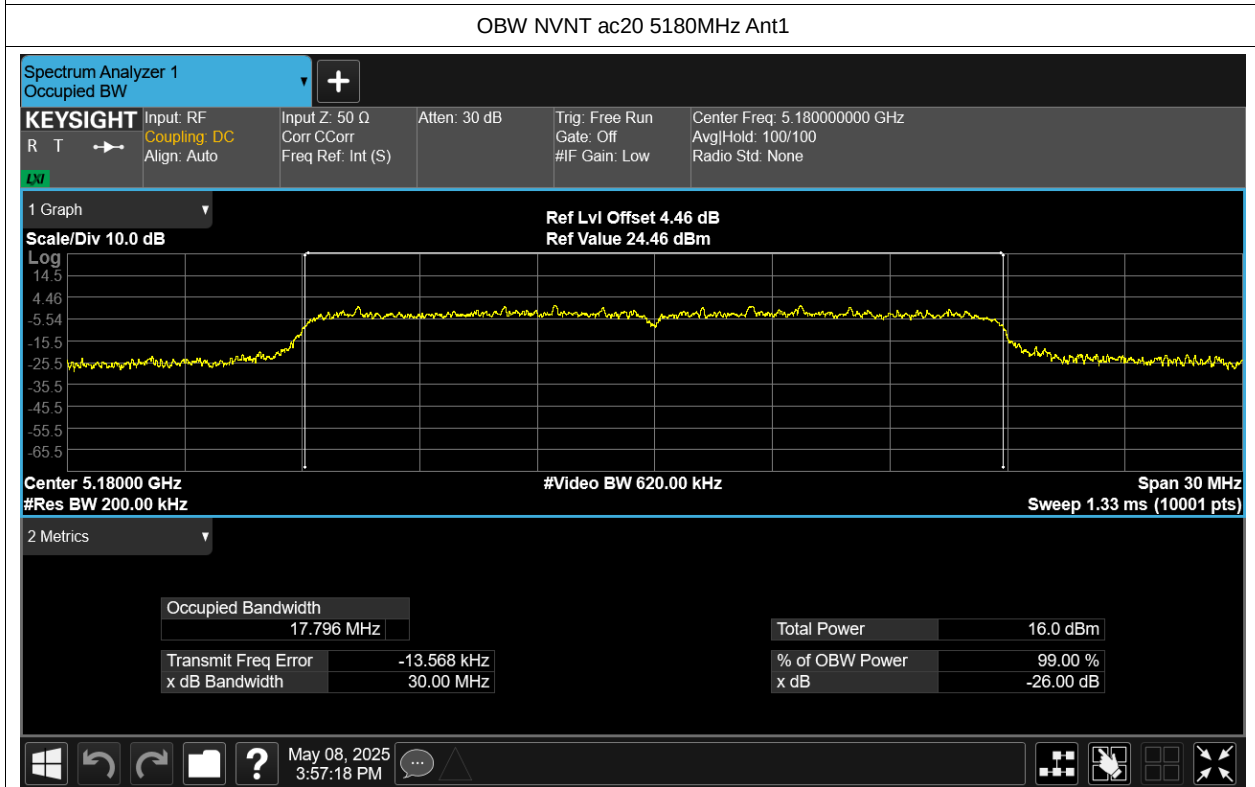
Test Graphs

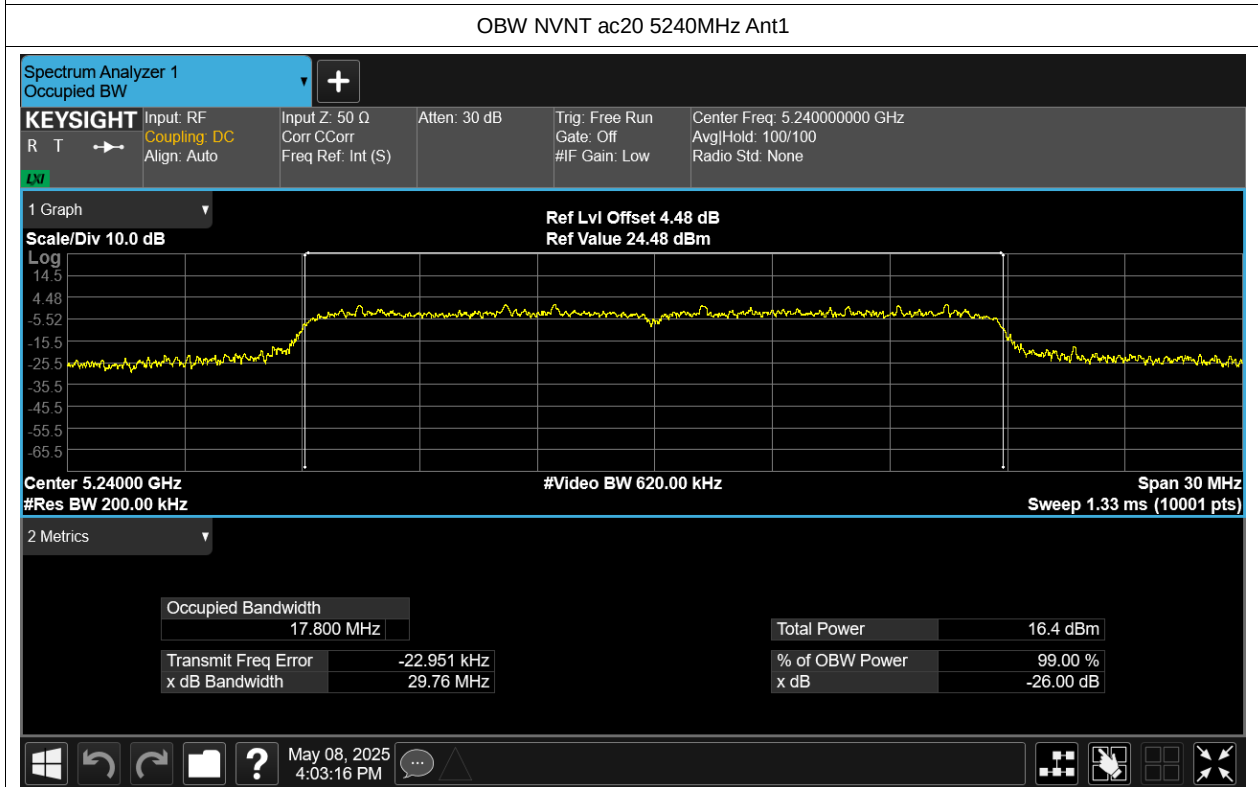
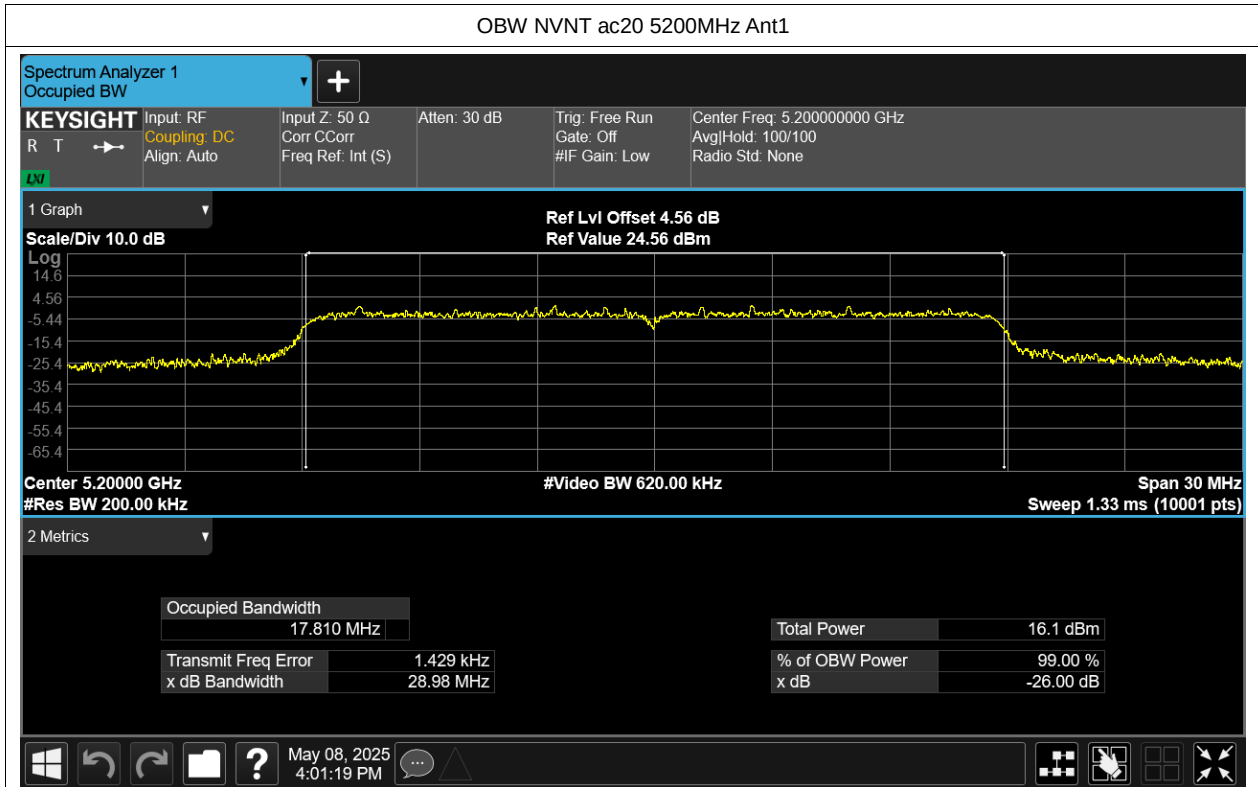
OBW NVNT a 5180MHz Ant1

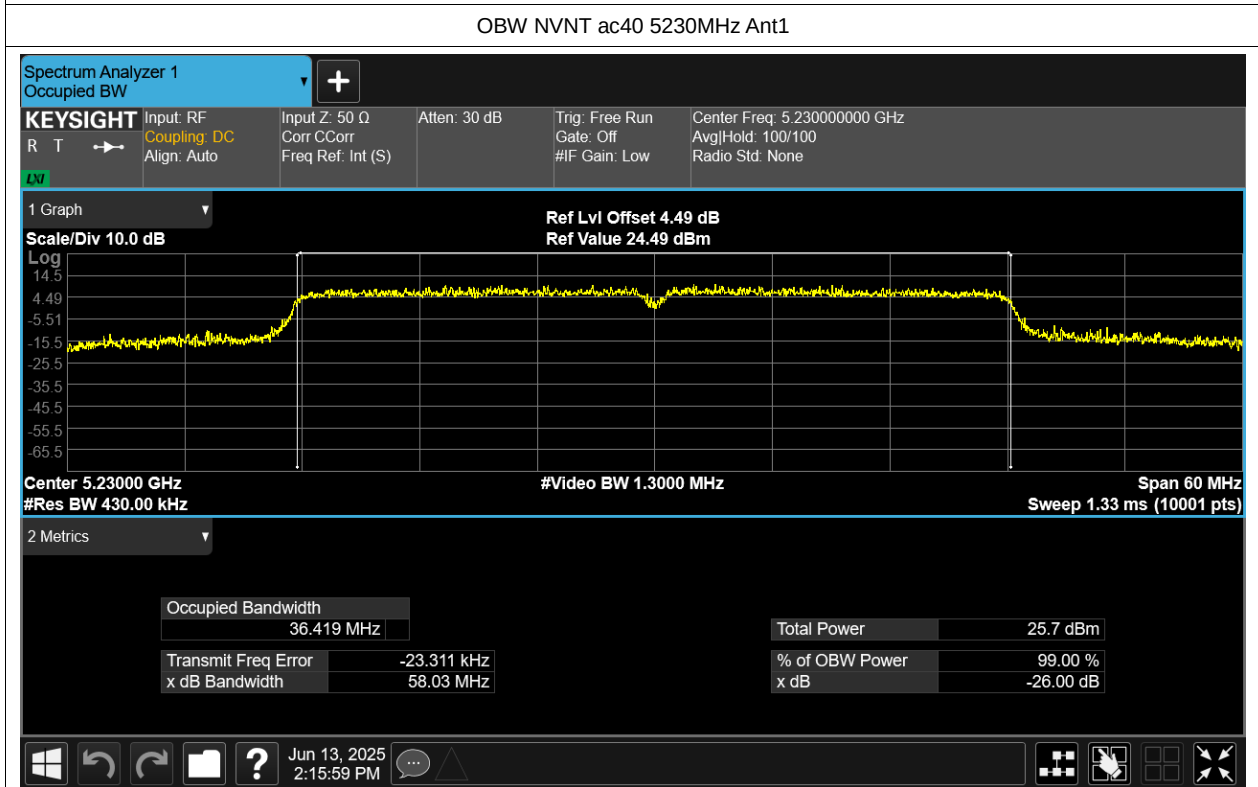
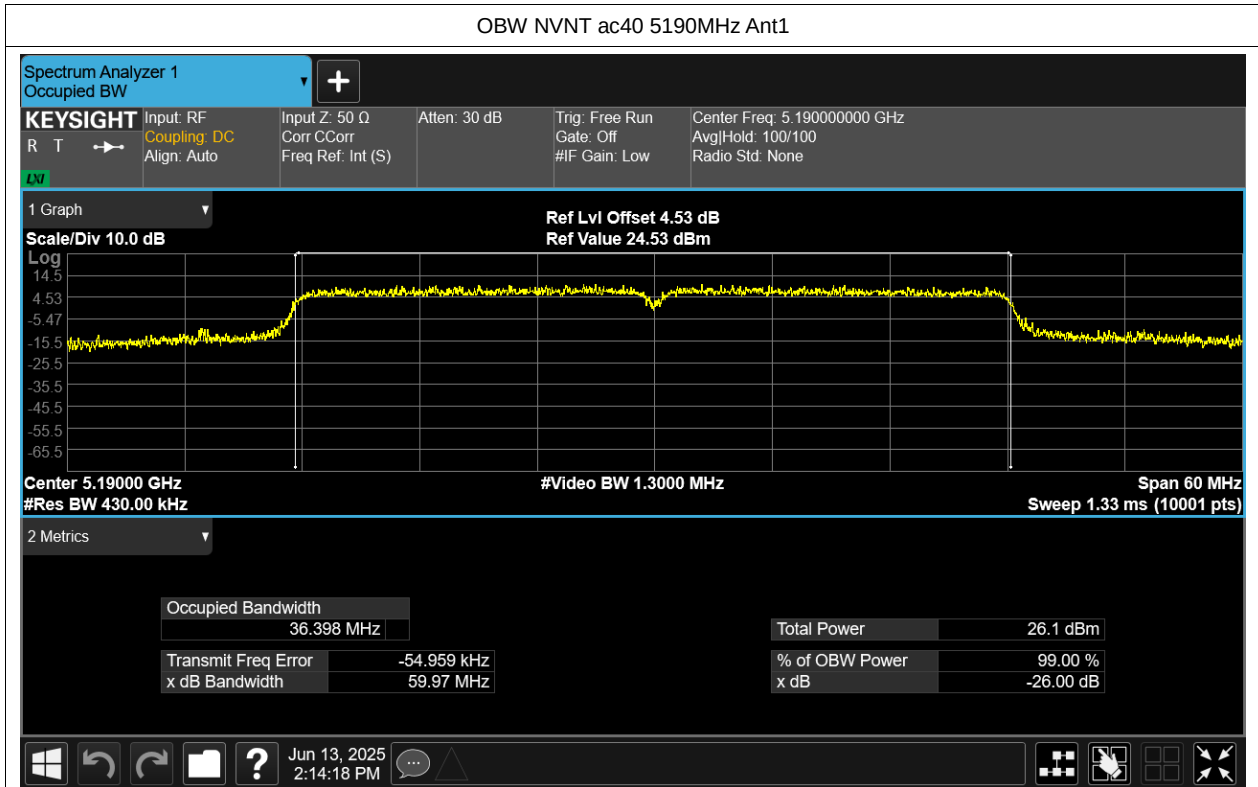


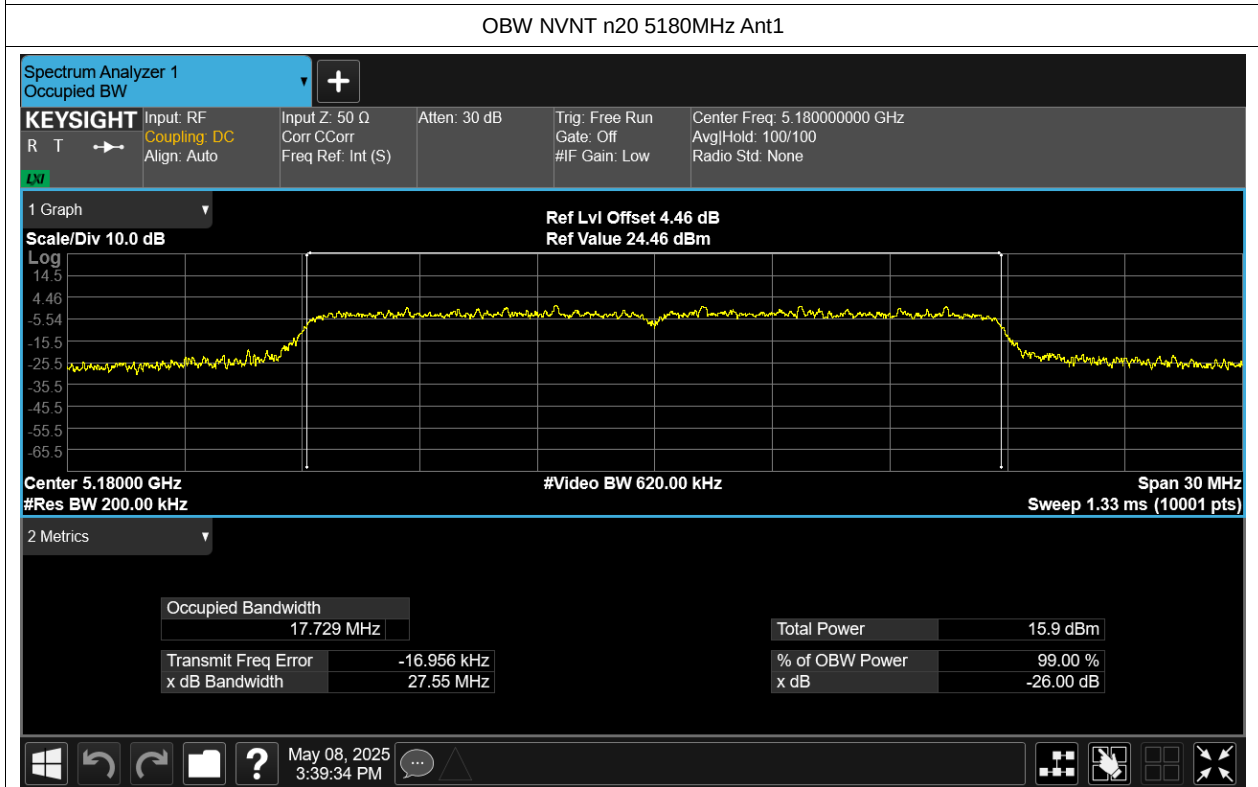
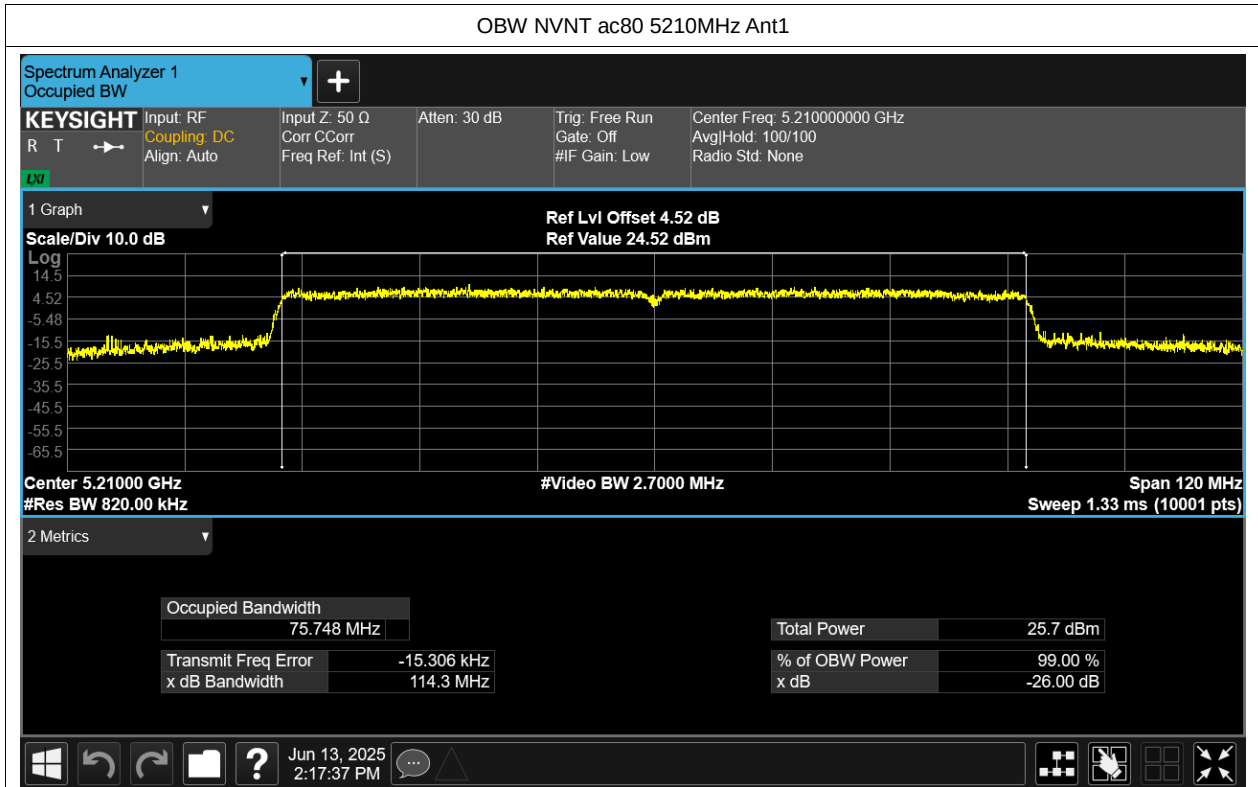
OBW NVNT a 5200MHz Ant1

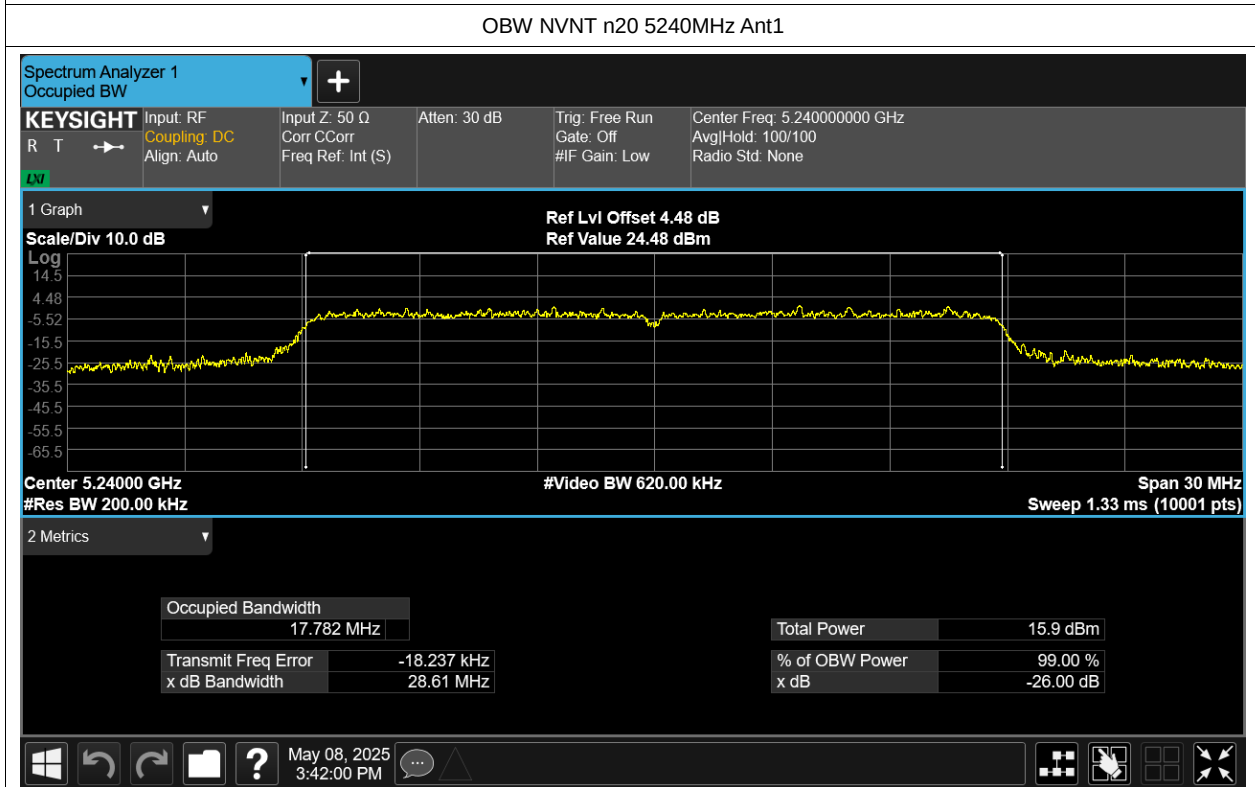
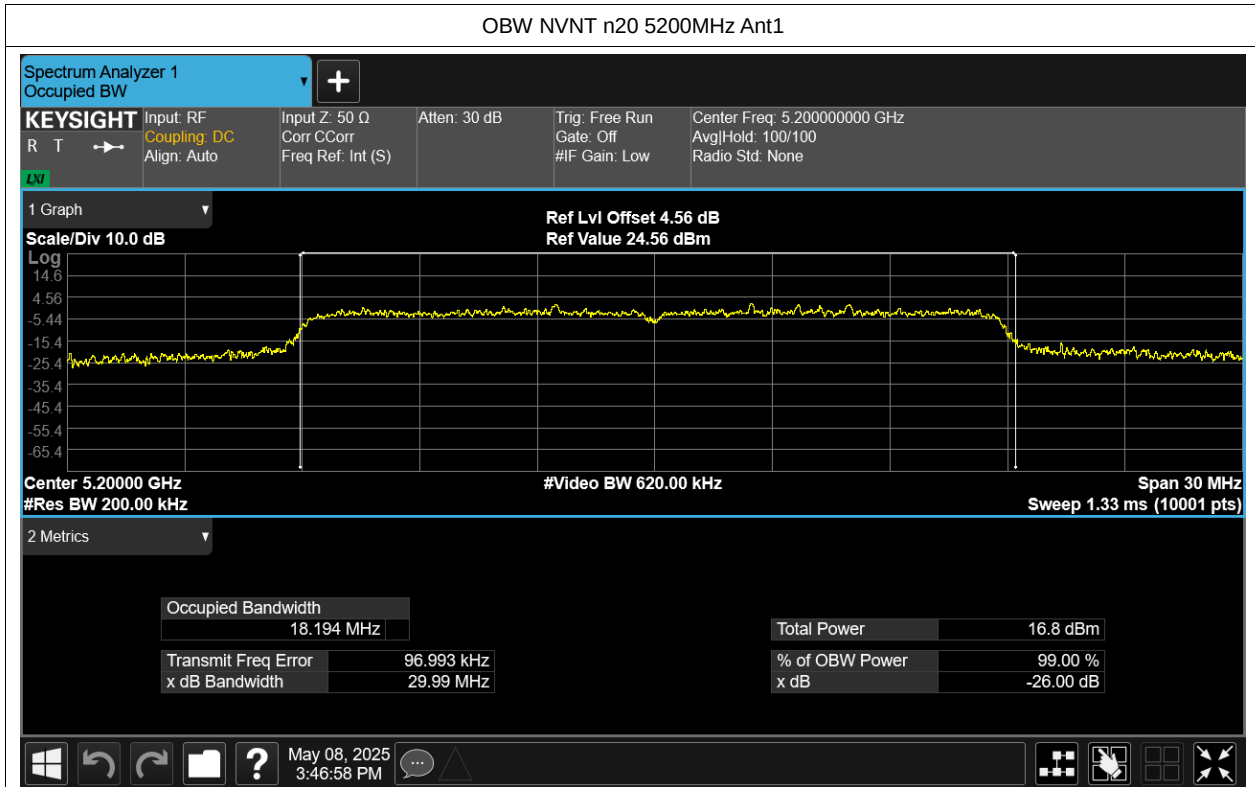


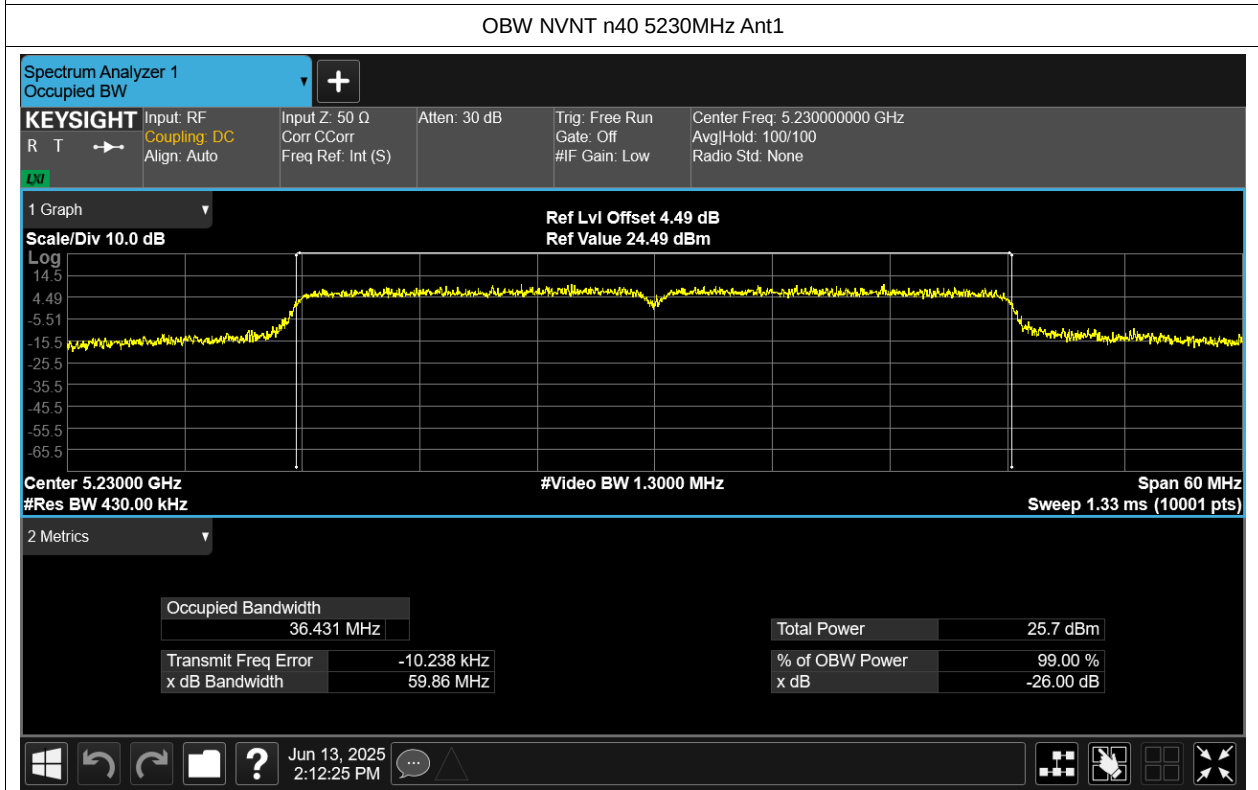
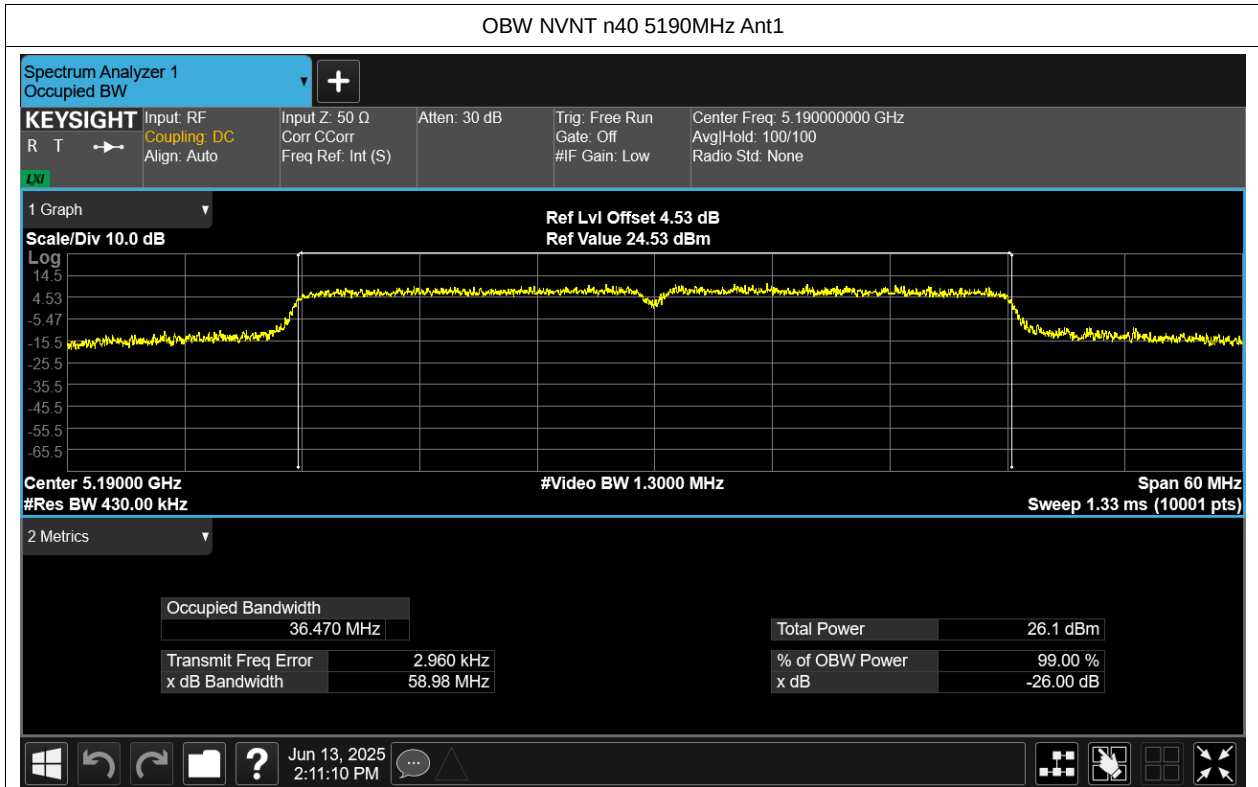










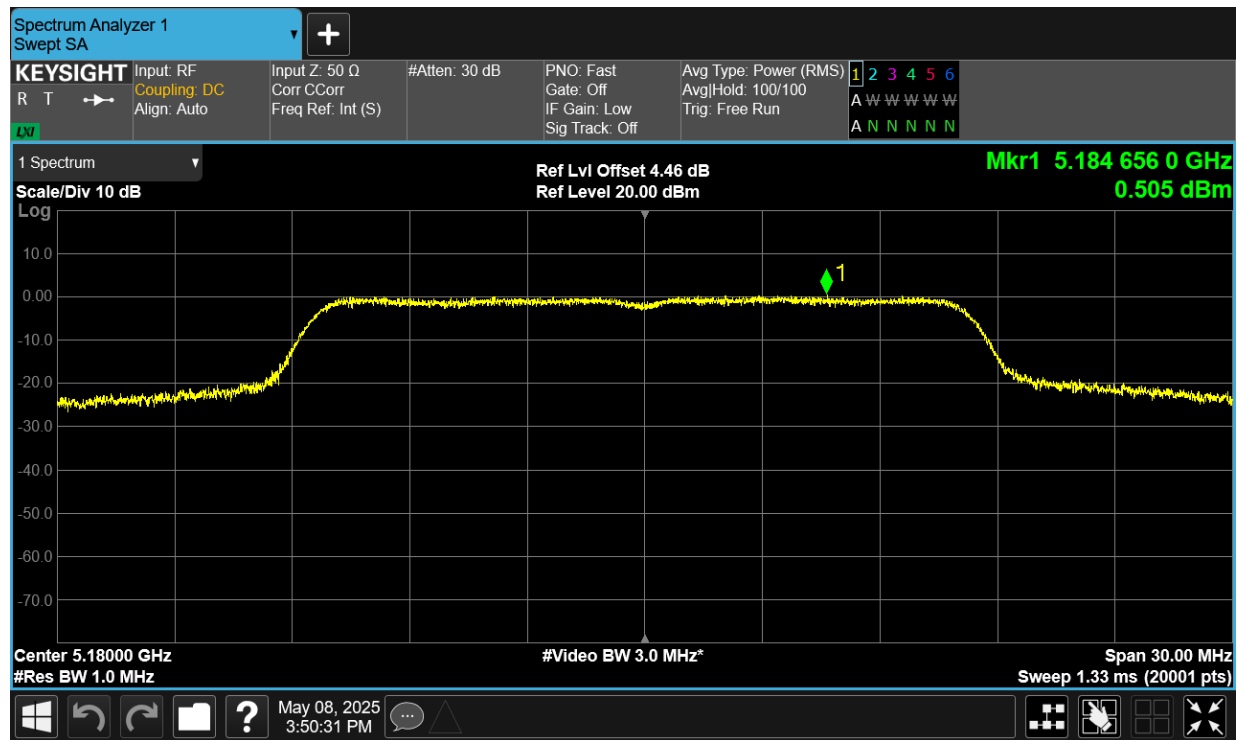


Maximum Power Spectral Density Level

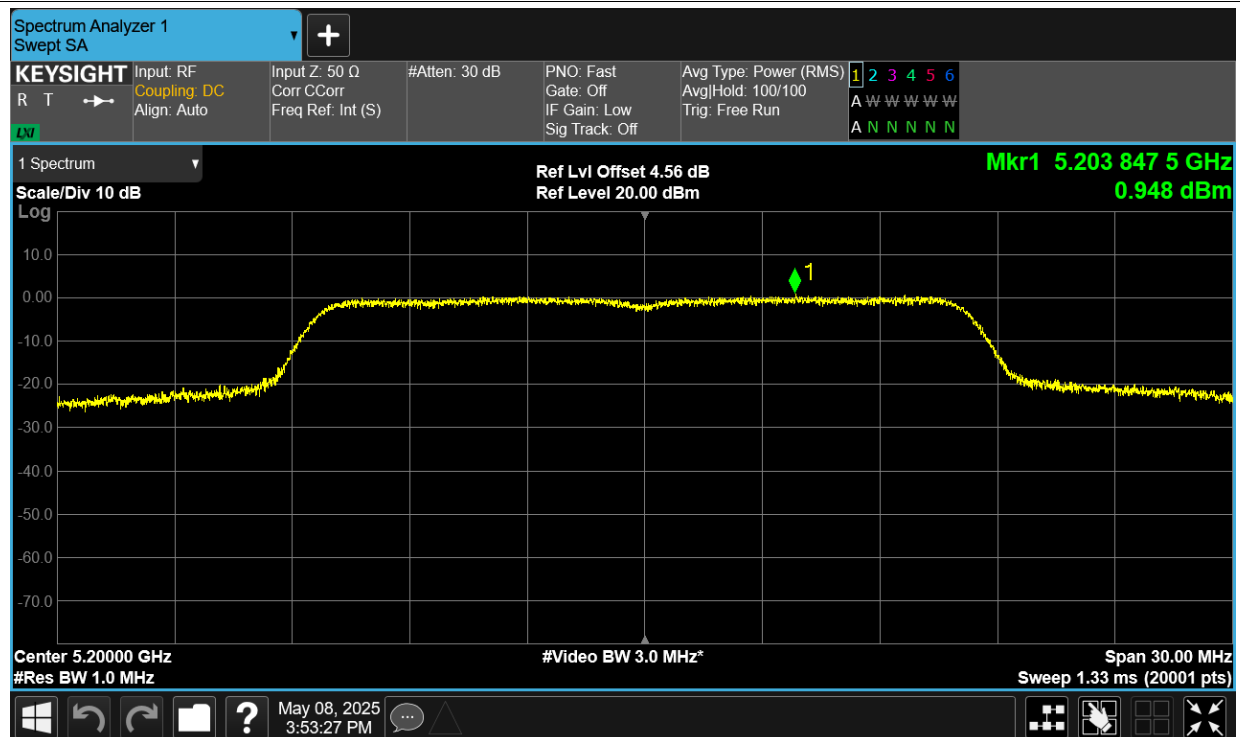
Condition	Mode	Frequency (MHz)	Antenna	Duty Factor (dB)	Max PSD (dBm)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.55	0.505	1.055	11	Pass
NVNT	a	5200	Ant1	0.54	0.948	1.488	11	Pass
NVNT	a	5240	Ant1	0.7	0.646	1.346	11	Pass
NVNT	ac20	5180	Ant1	0.61	-0.856	-0.246	11	Pass
NVNT	ac20	5200	Ant1	0.74	-0.888	-0.148	11	Pass
NVNT	ac20	5240	Ant1	0.72	-0.649	0.071	11	Pass
NVNT	ac40	5190	Ant1	1.19	-3.492	-2.302	11	Pass
NVNT	ac40	5230	Ant1	1.18	-3.179	-1.999	11	Pass
NVNT	ac80	5210	Ant1	2.03	-8.165	-6.135	11	Pass
NVNT	n20	5180	Ant1	1.42	-0.988	0.432	11	Pass
NVNT	n20	5200	Ant1	0.59	-0.123	0.467	11	Pass
NVNT	n20	5240	Ant1	0.75	-0.981	-0.231	11	Pass
NVNT	n40	5190	Ant1	1.17	-3.046	-1.876	11	Pass
NVNT	n40	5230	Ant1	1.19	-3.356	-2.166	11	Pass

Test Graphs

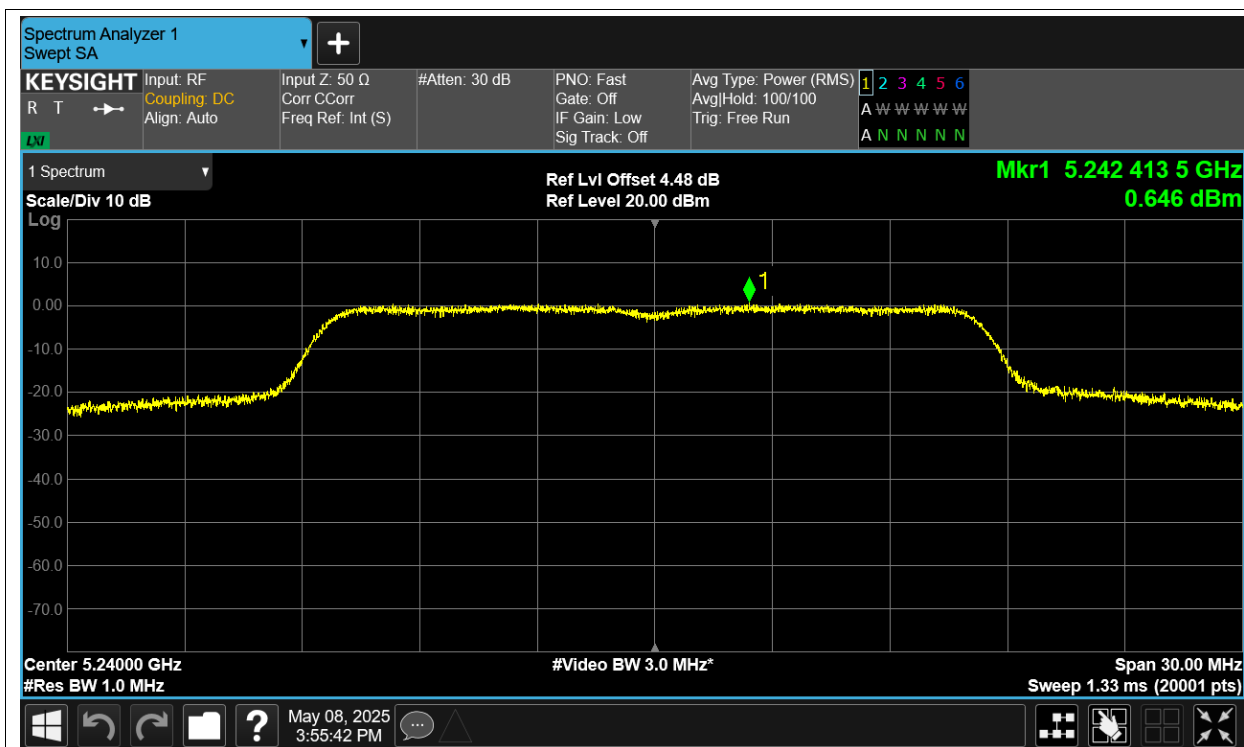
PSD NVNT a 5180MHz Ant1



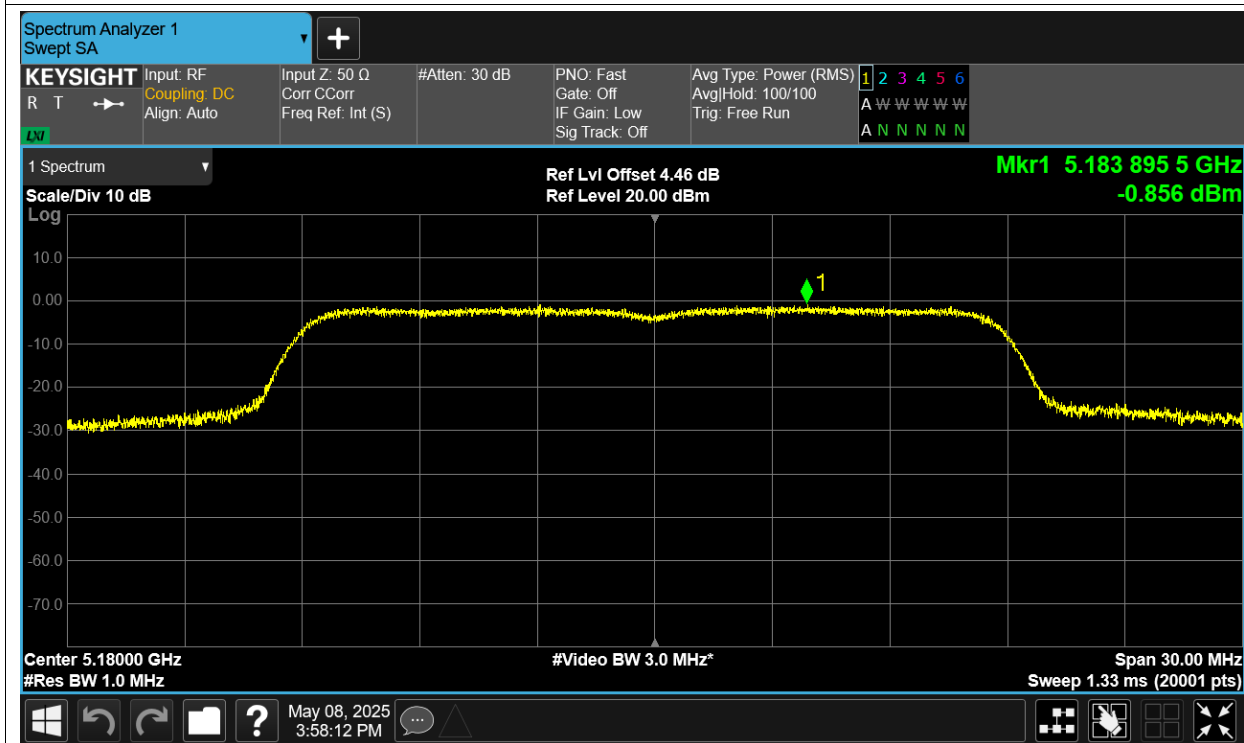
PSD NVNT a 5200MHz Ant1



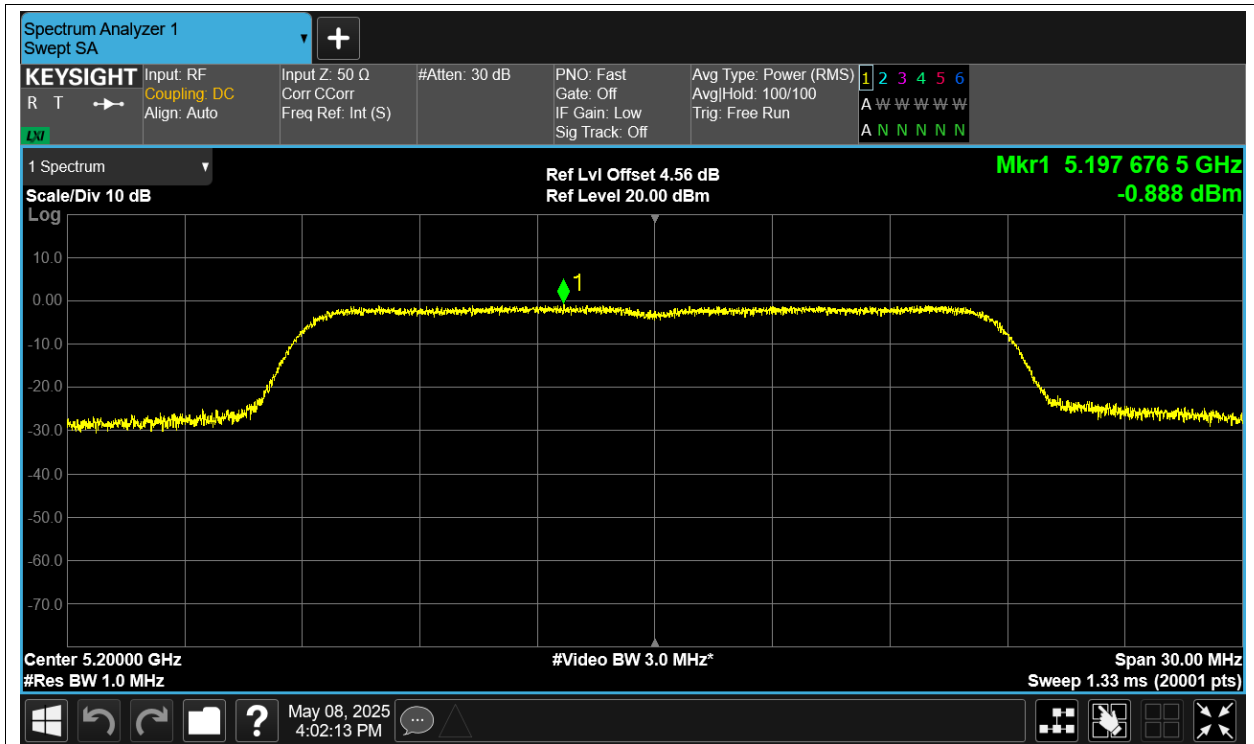
PSD NVNT a 5240MHz Ant1



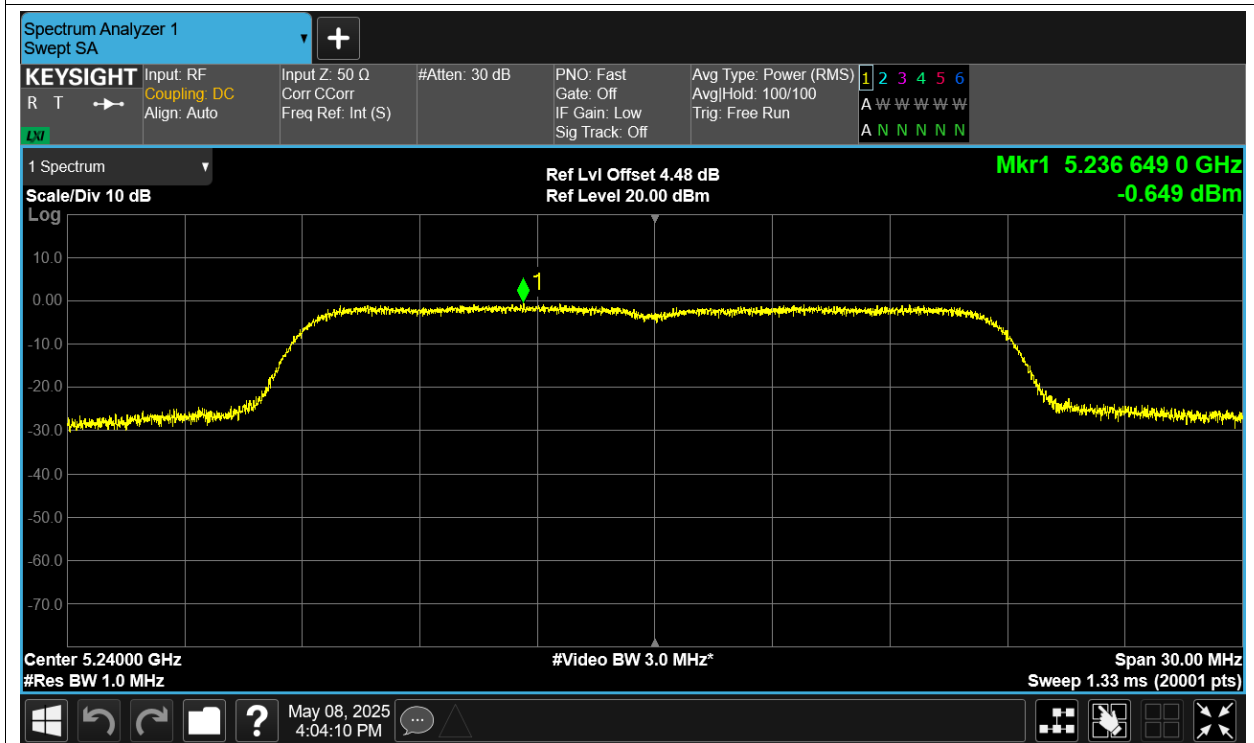
PSD NVNT ac20 5180MHz Ant1



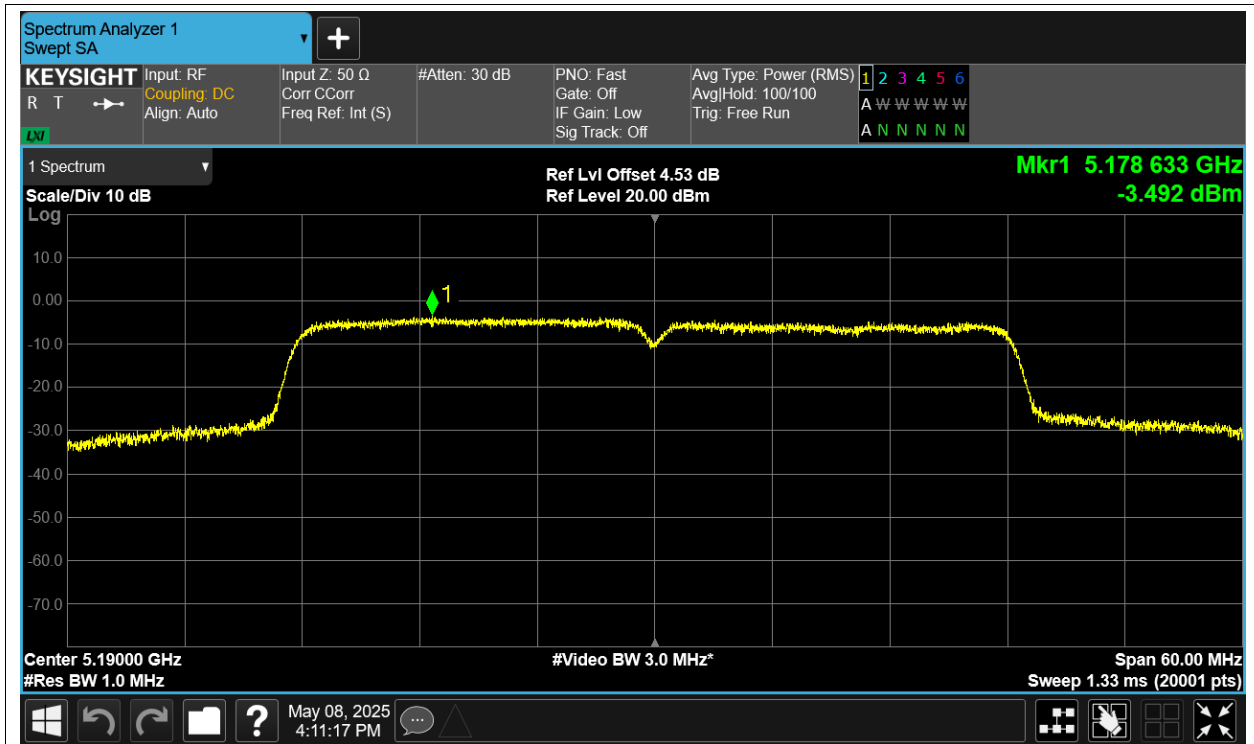
PSD NVNT ac20 5200MHz Ant1



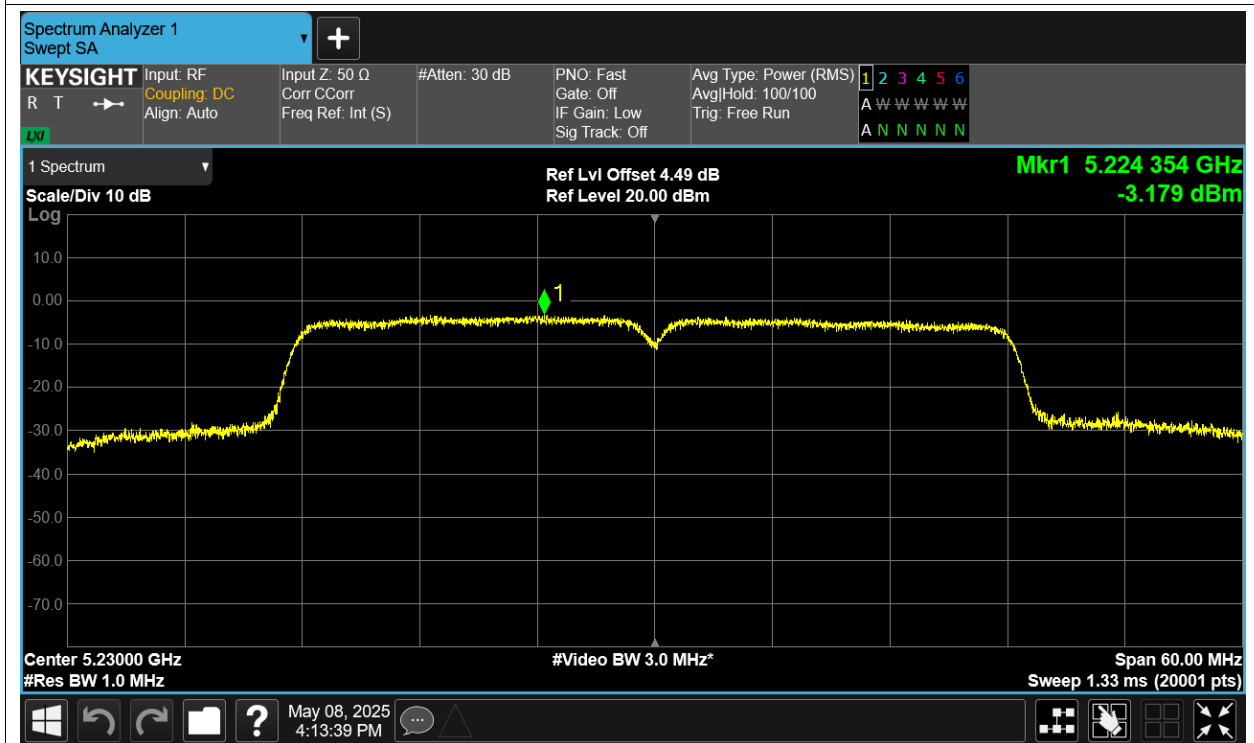
PSD NVNT ac20 5240MHz Ant1



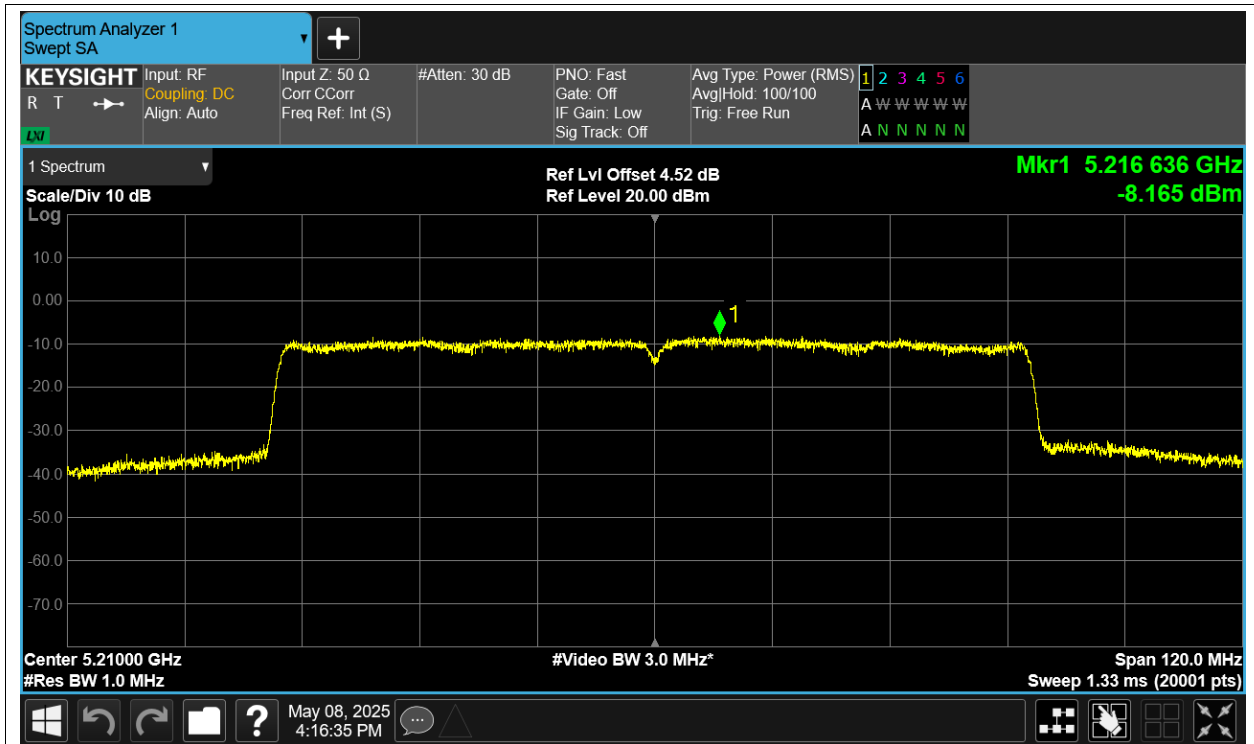
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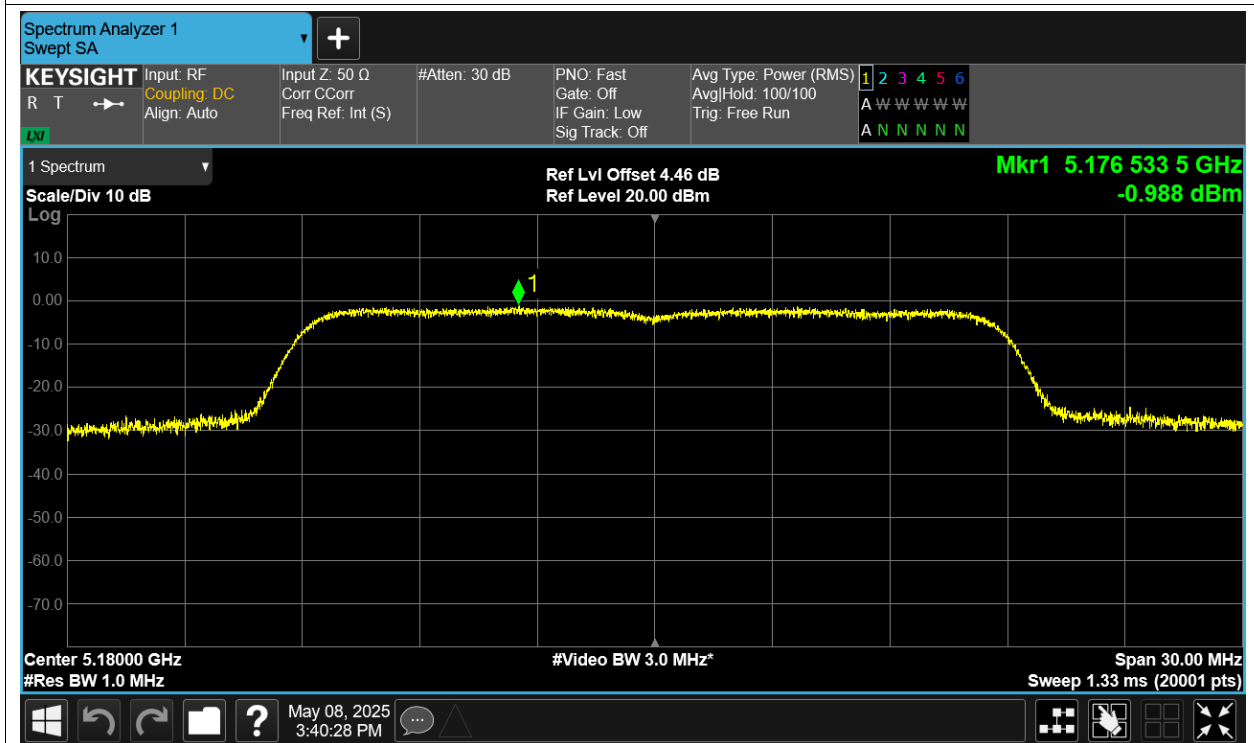
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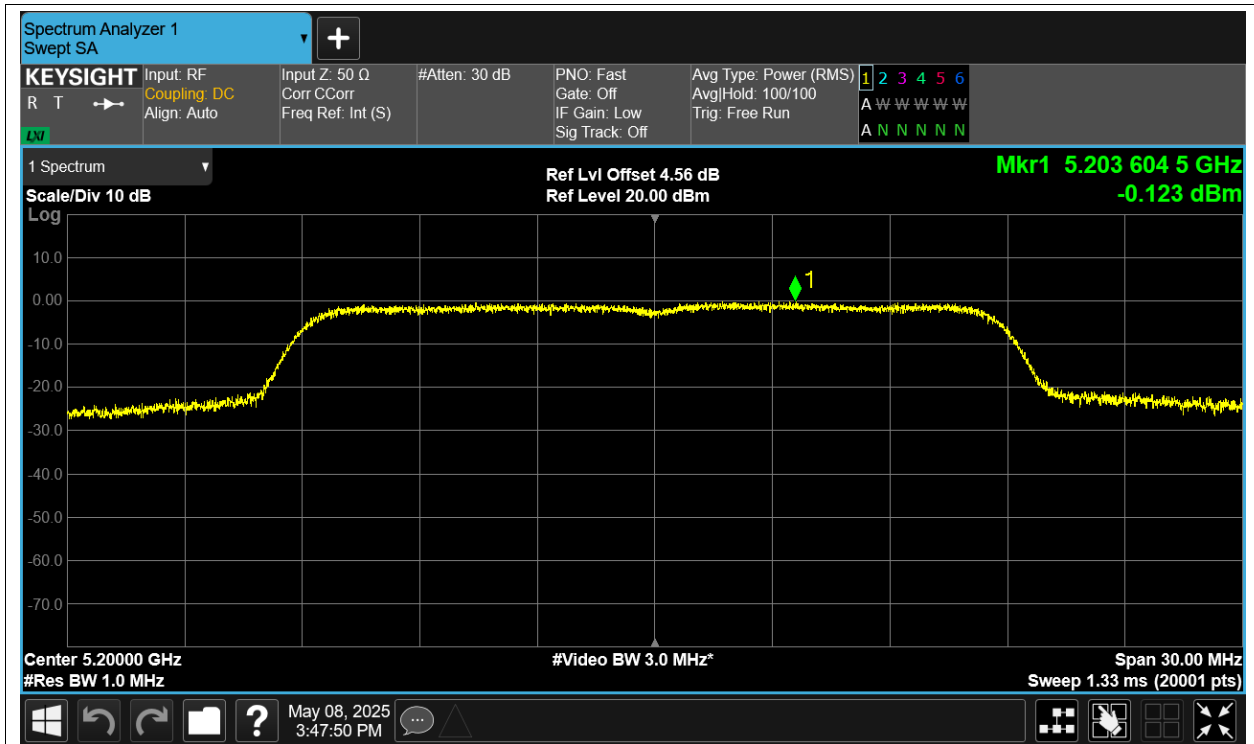
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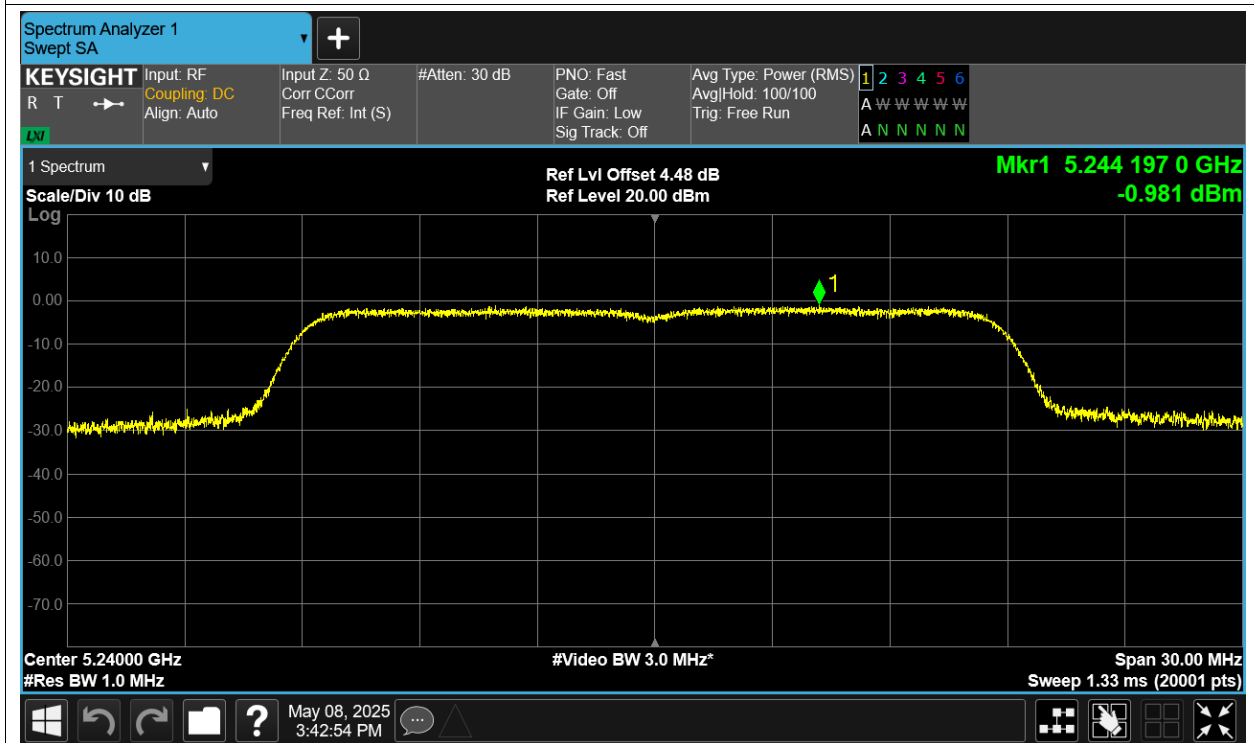
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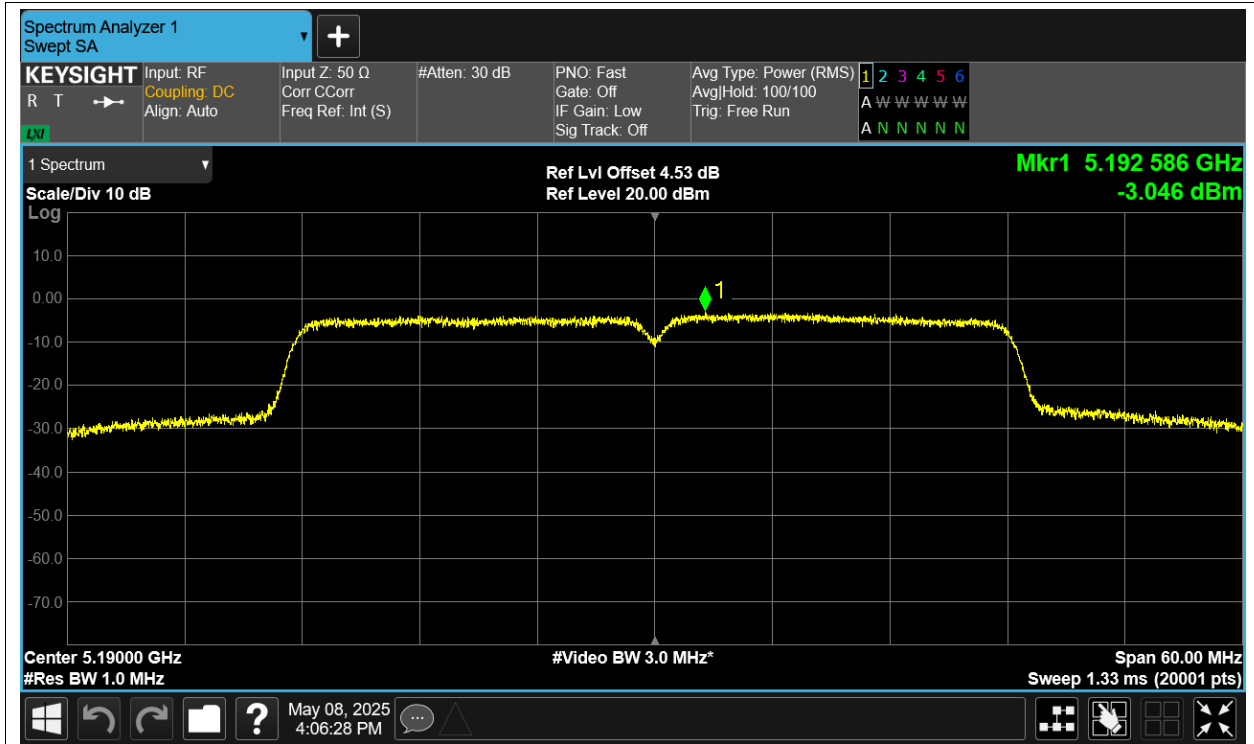
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

