

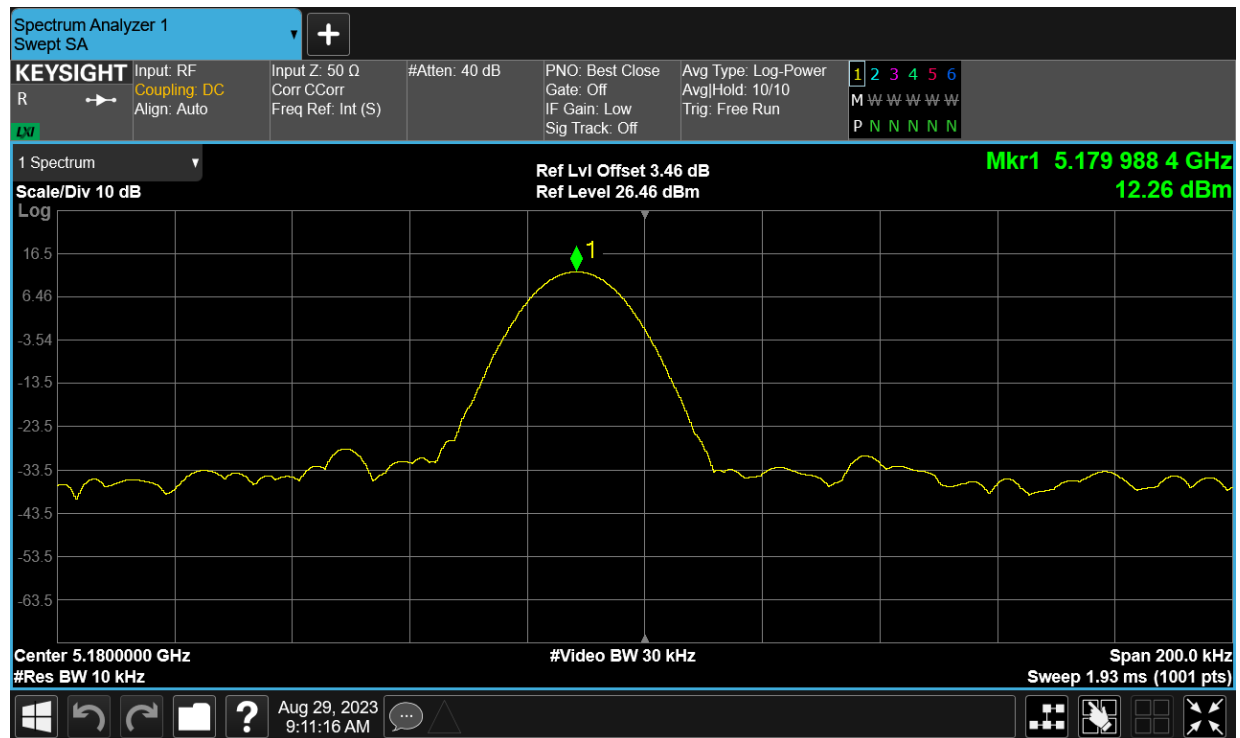
Test Data

Frequency Stability

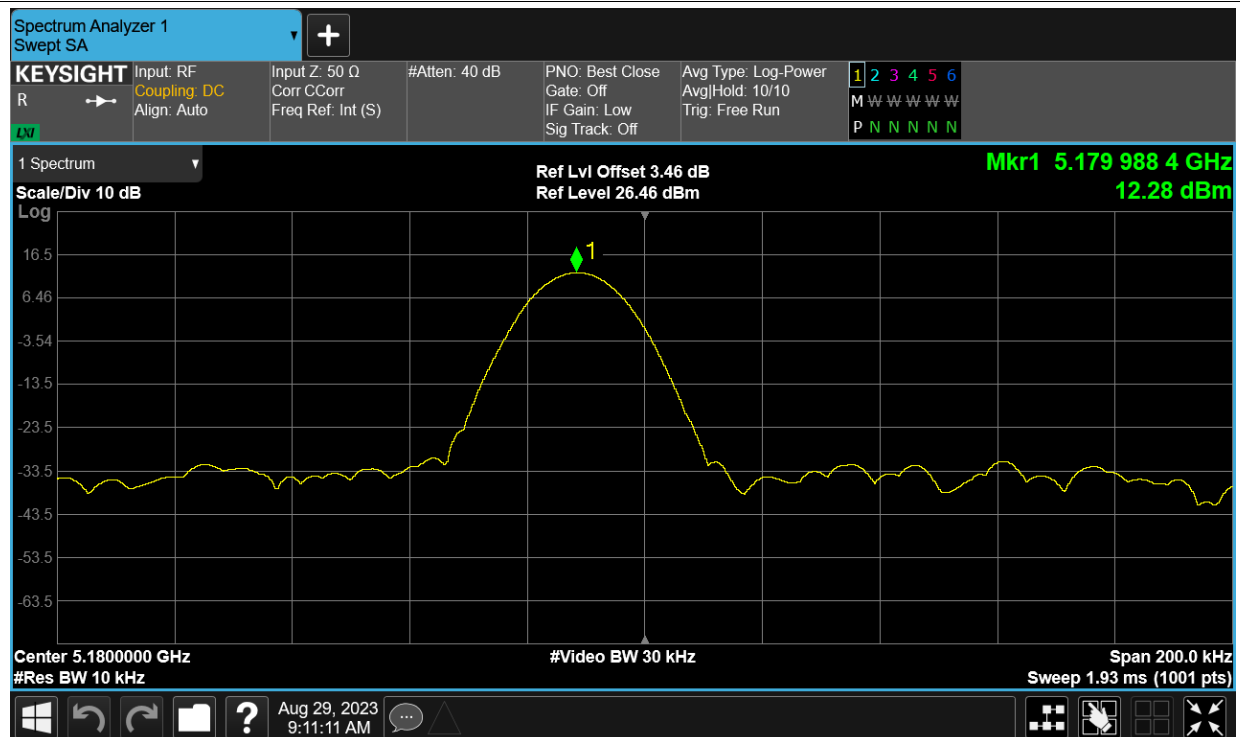
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9884	-2.24	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9884	-2.24		Pass
NVHT	a	5180	Ant1	5179.9888	-2.16		Pass
NVLT	a	5180	Ant1	5179.9894	-2.05		Pass
NVNT	a	5180	Ant1	5179.9934	-1.27		Pass
HVNT	ac80	5210	Ant1	5209.9856	-2.76		Pass
LVNT	ac80	5210	Ant1	5209.9856	-2.76		Pass
NVHT	ac80	5210	Ant1	5209.986	-2.69		Pass
NVLT	ac80	5210	Ant1	5209.9864	-2.61		Pass
NVNT	ac80	5210	Ant1	5209.986939182	-2.51		Pass
HVNT	n40	5190	Ant1	5189.988	-2.31		Pass
LVNT	n40	5190	Ant1	5189.988	-2.31		Pass
NVHT	n40	5190	Ant1	5189.988	-2.31		Pass
NVLT	n40	5190	Ant1	5189.9882	-2.27		Pass
NVNT	n40	5190	Ant1	5189.9888	-2.16		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

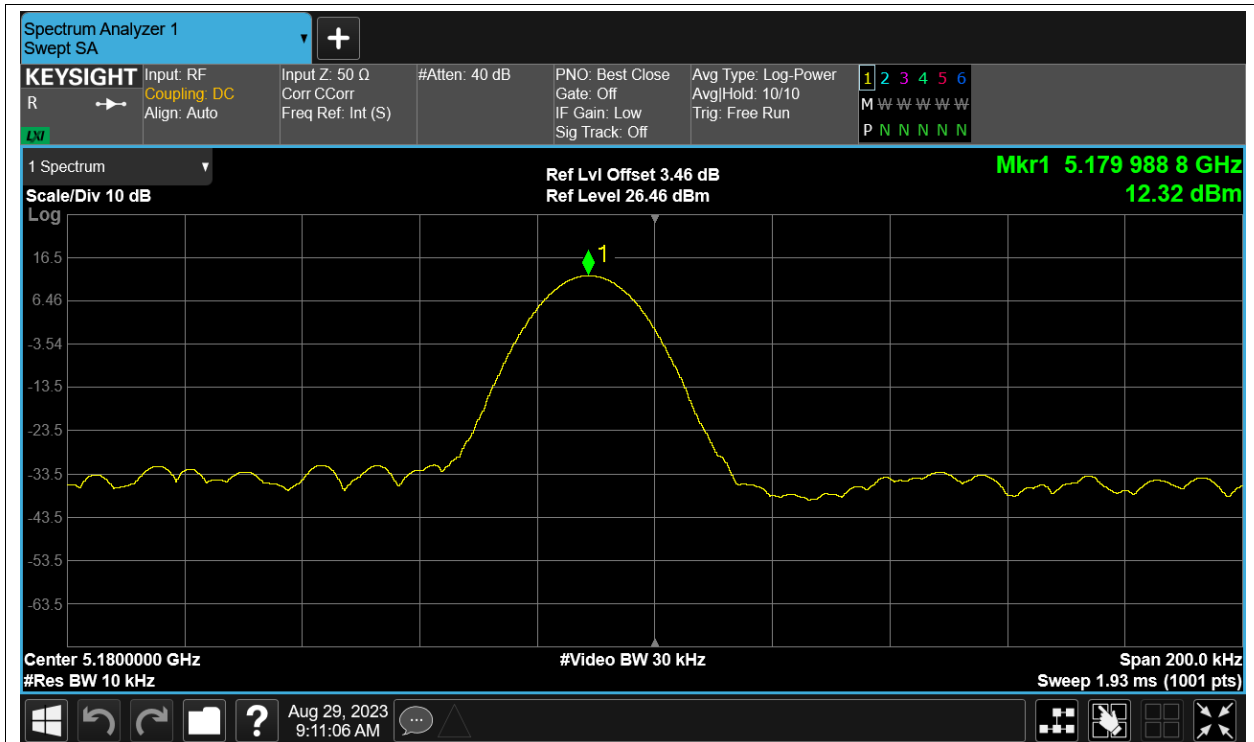
Freq. Stability HVNT a 5180MHz Ant1



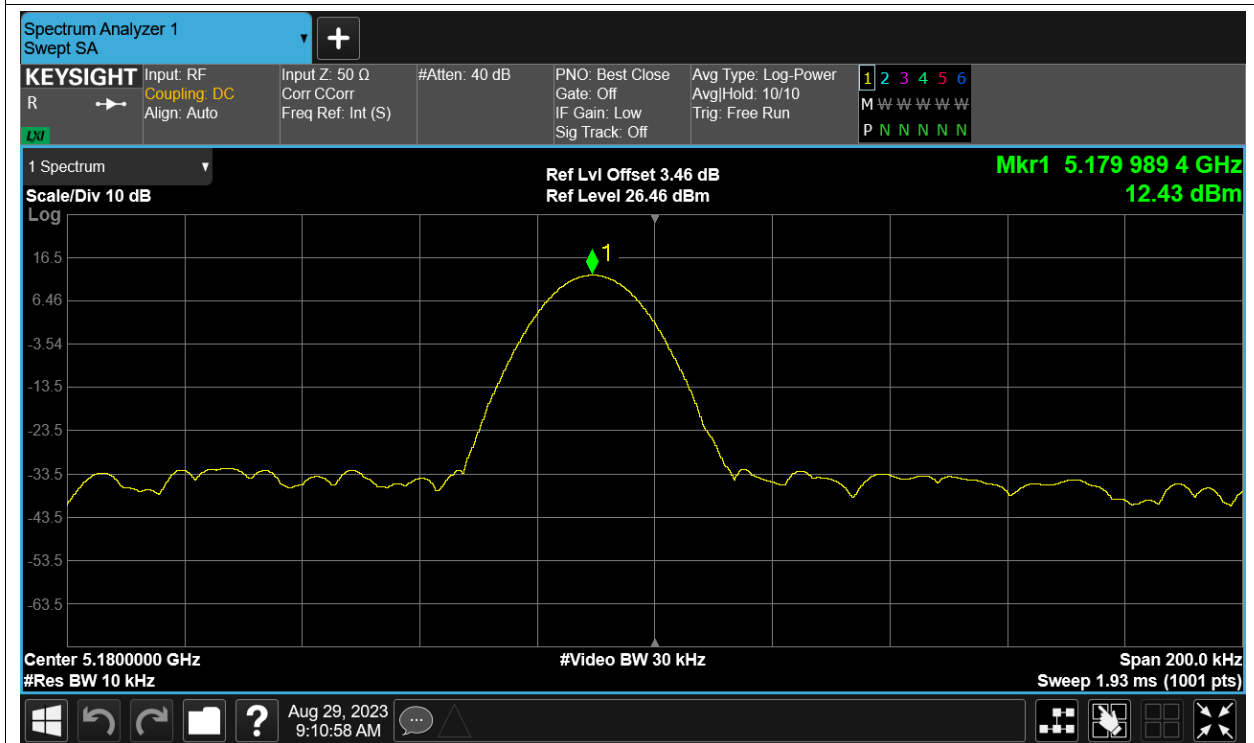
Freq. Stability LVNT a 5180MHz Ant1



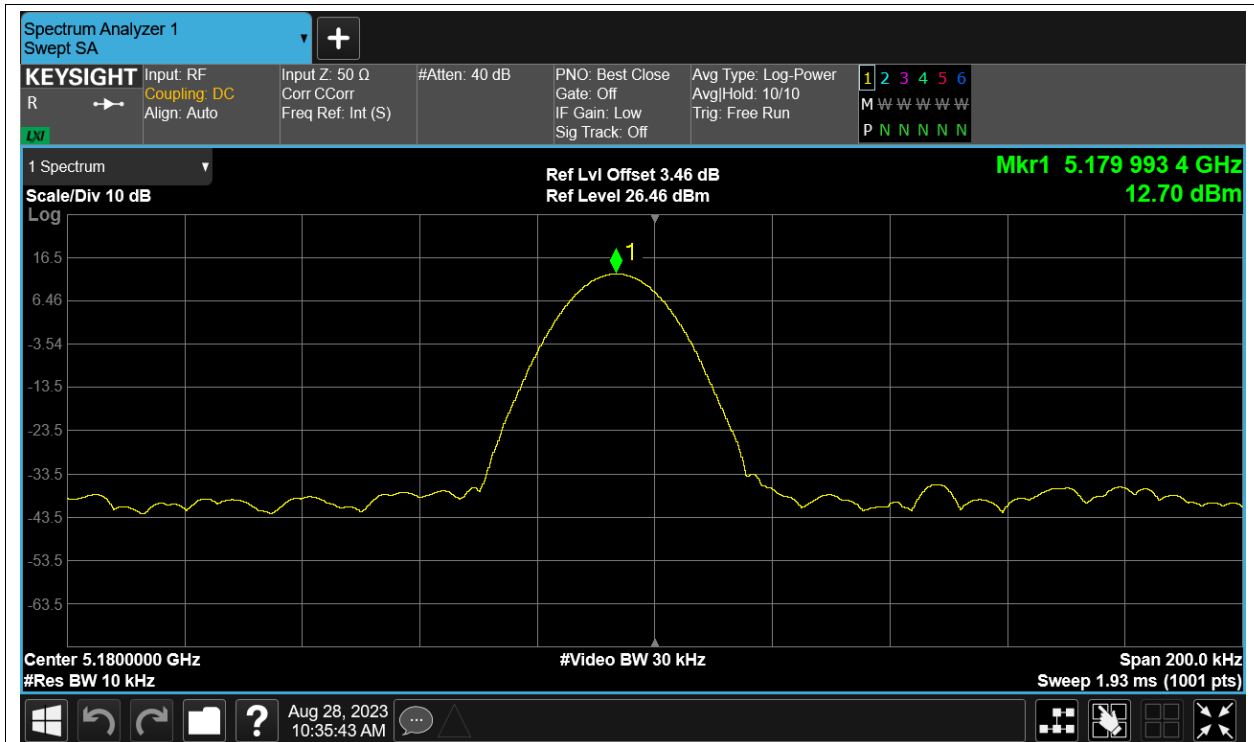
Freq. Stability NVHT a 5180MHz Ant1



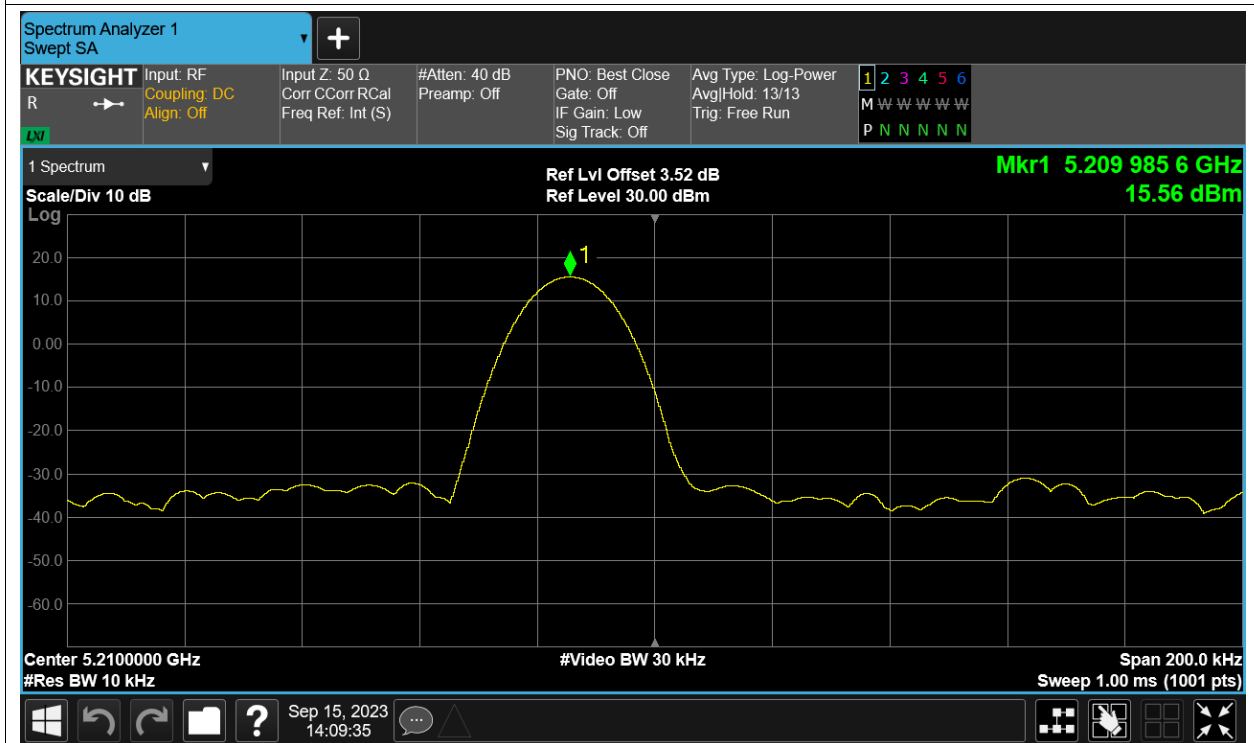
Freq. Stability NVLT a 5180MHz Ant1



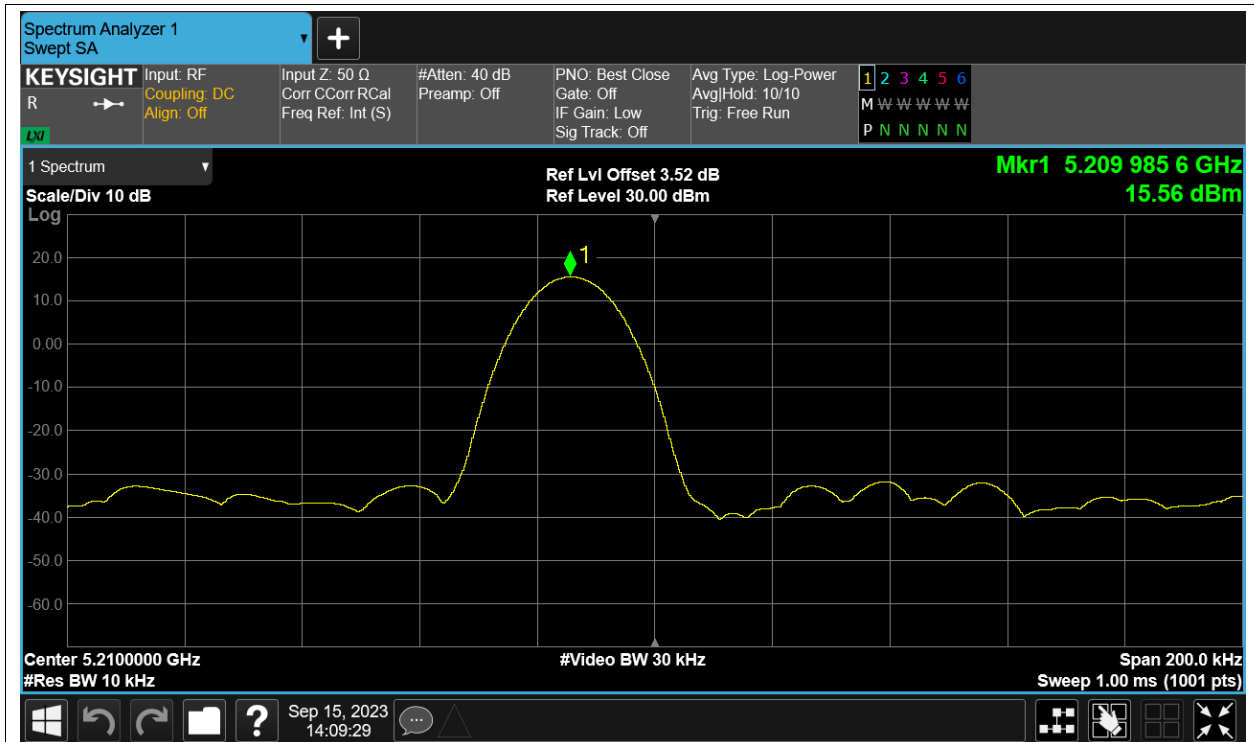
Freq. Stability NVNT a 5180MHz Ant1



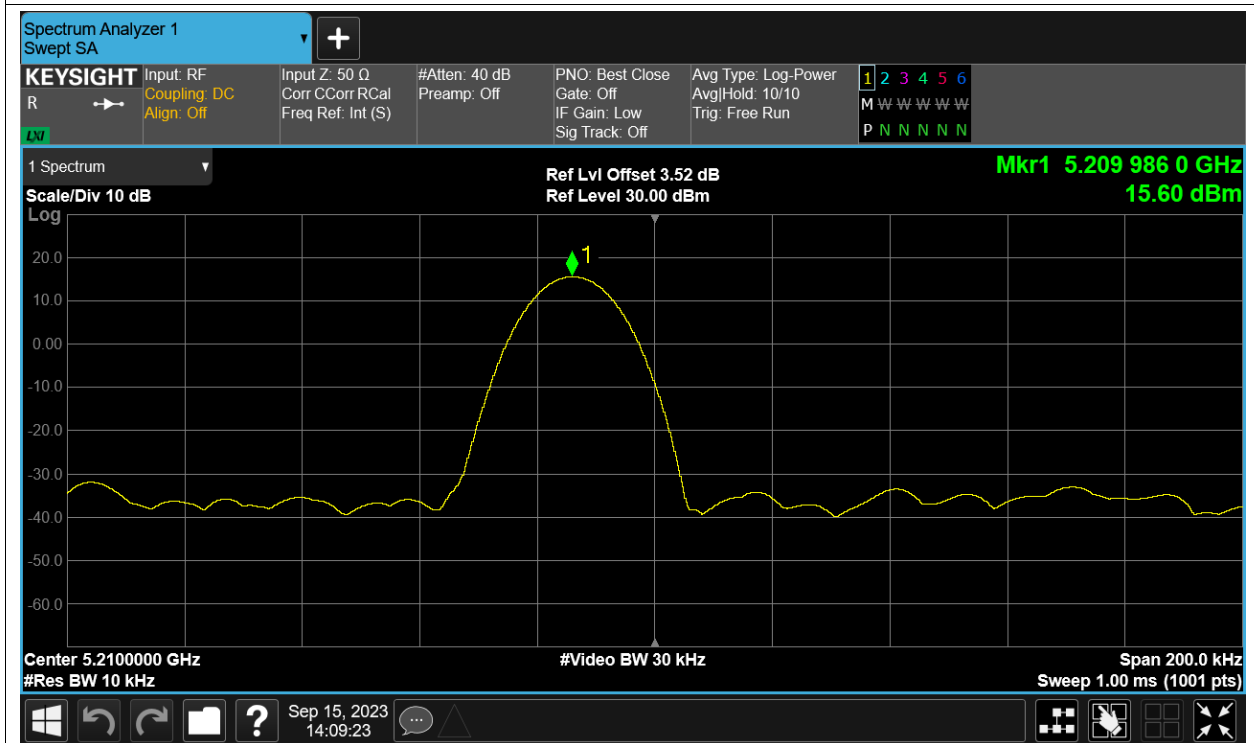
Freq. Stability HVNT ac80 5210MHz Ant1



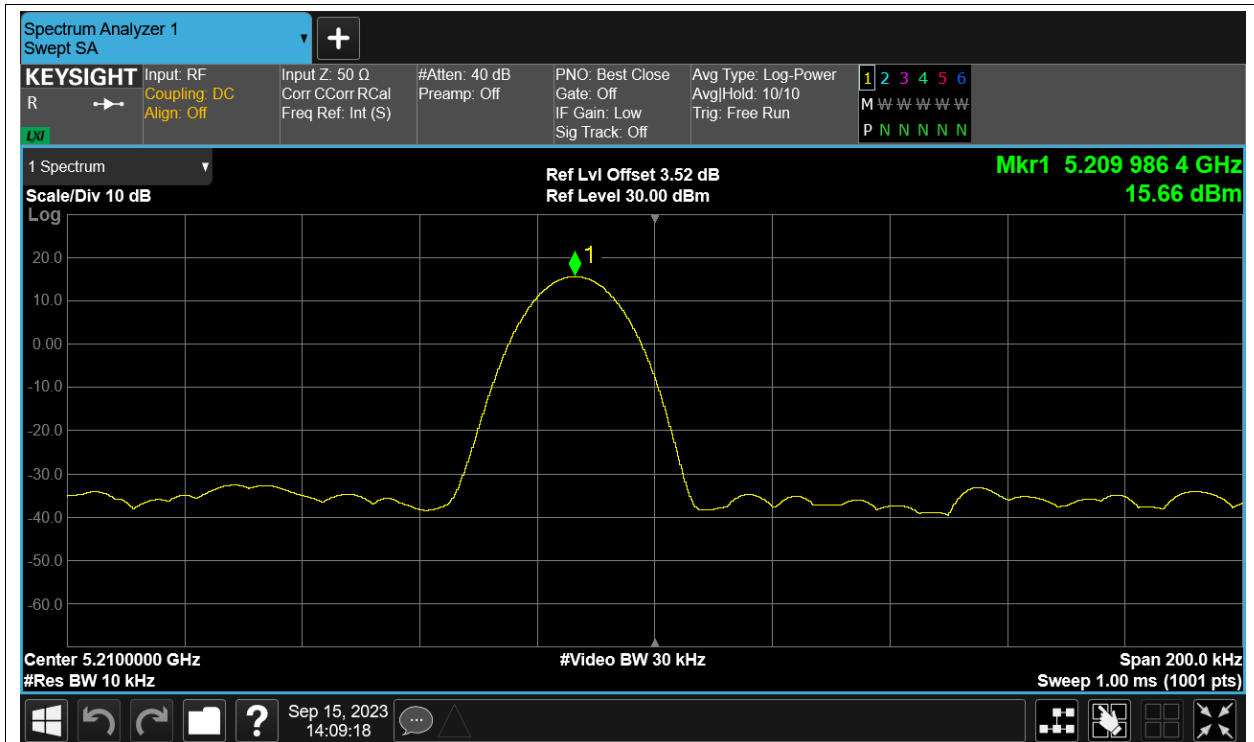
Freq. Stability LVNT ac80 5210MHz Ant1



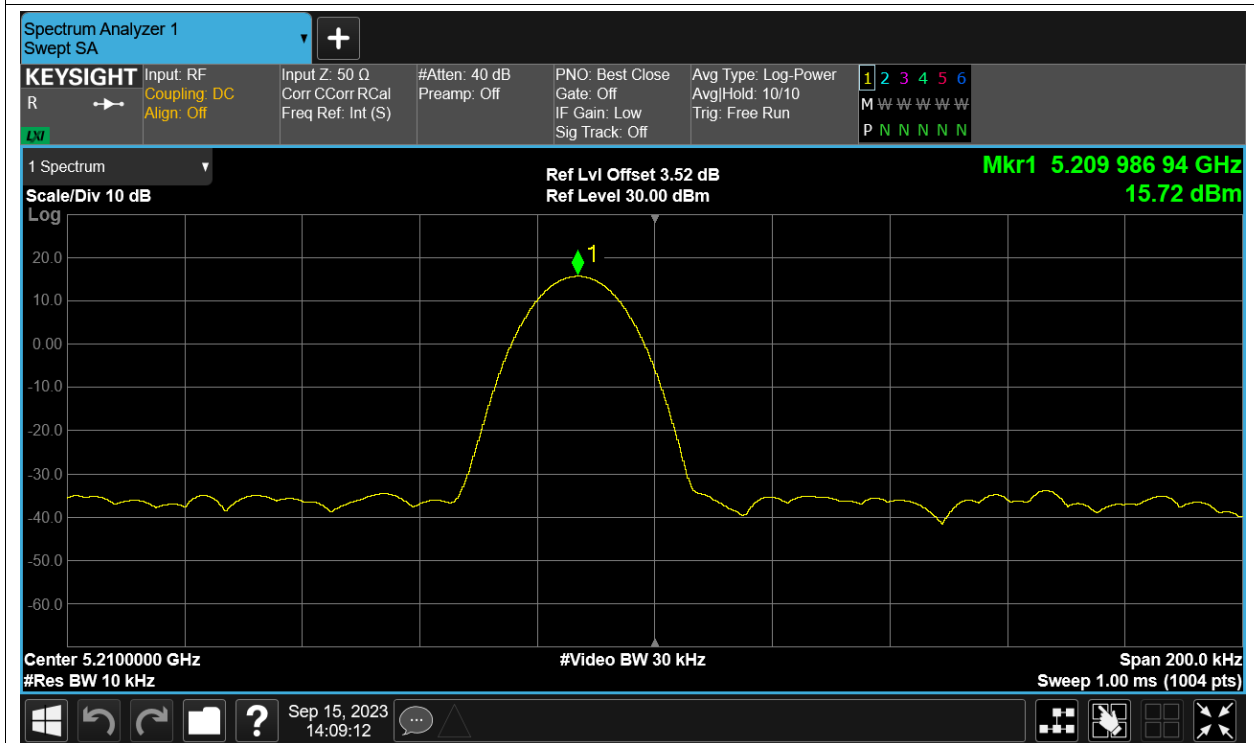
Freq. Stability NVHT ac80 5210MHz Ant1



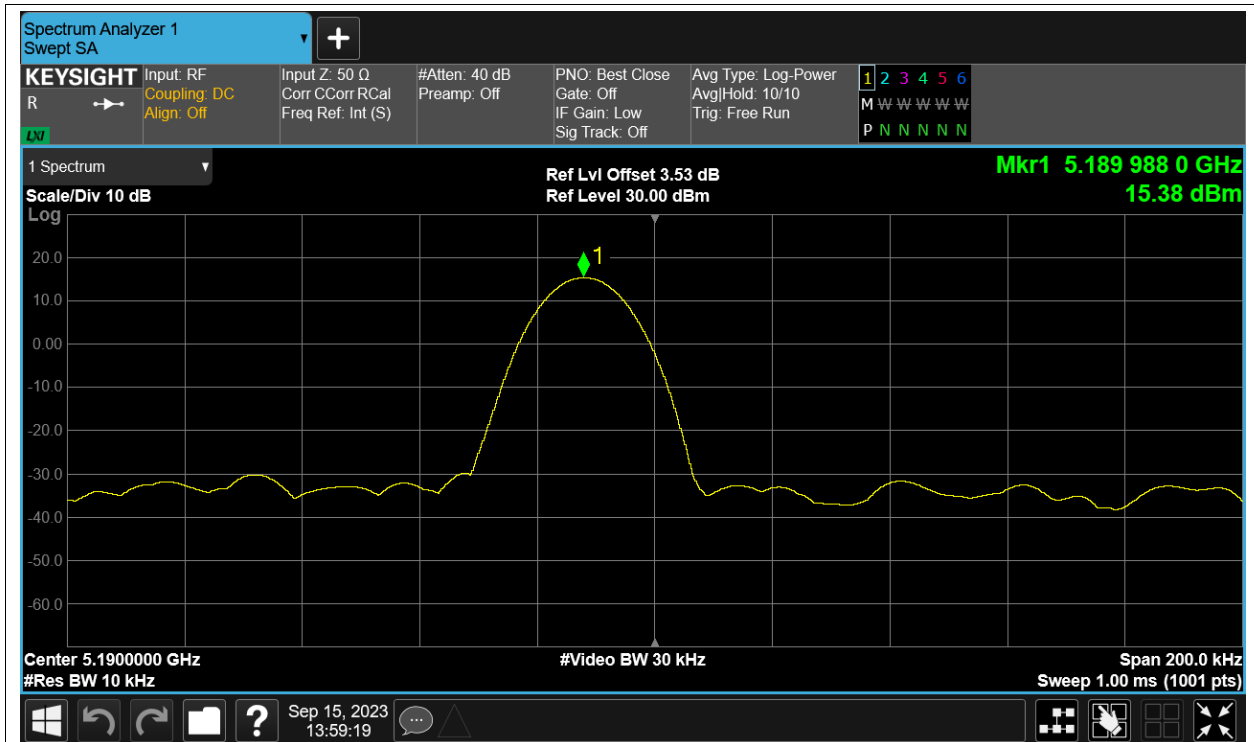
Freq. Stability NVLT ac80 5210MHz Ant1



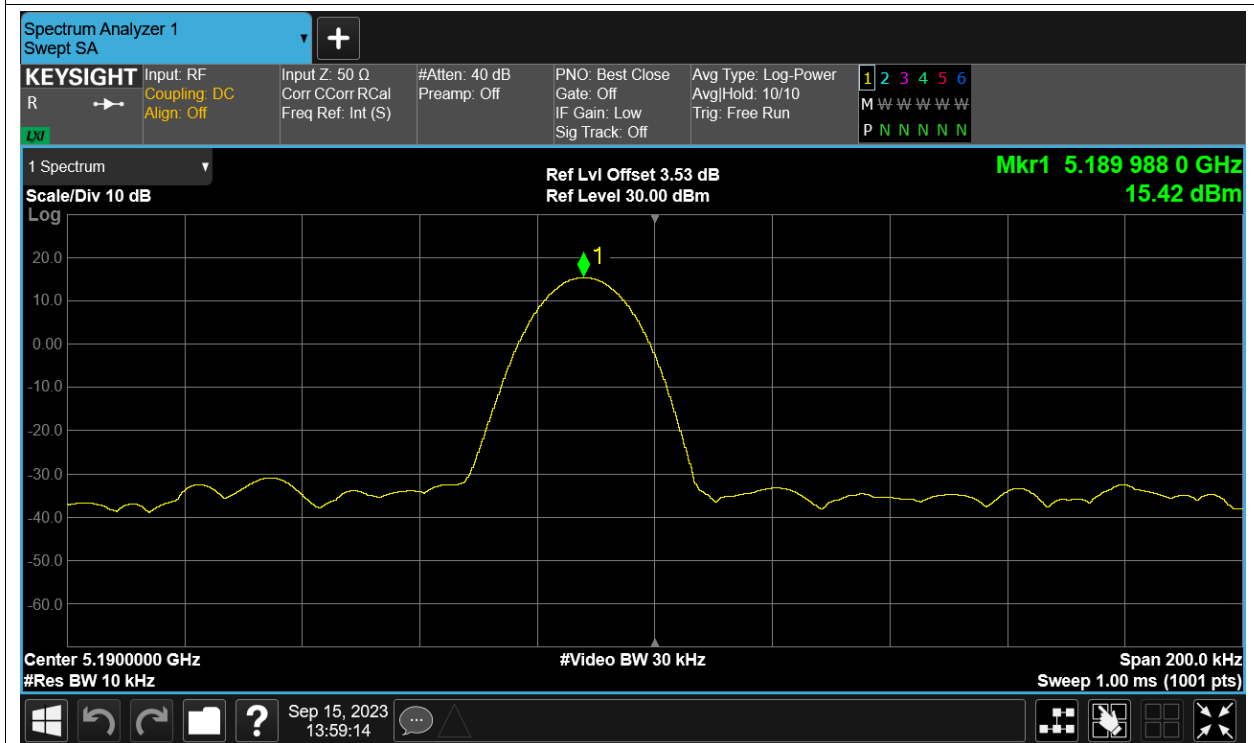
Freq. Stability NVNT ac80 5210MHz Ant1



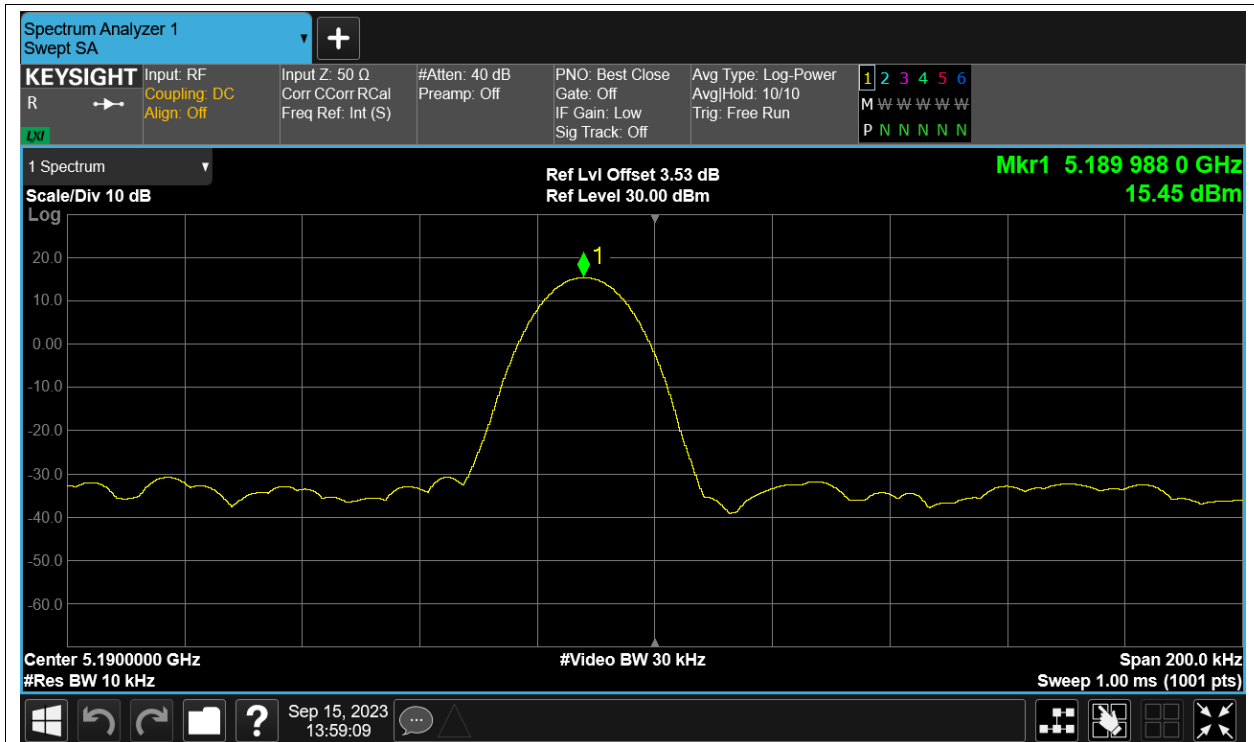
Freq. Stability HVNT n40 5190MHz Ant1



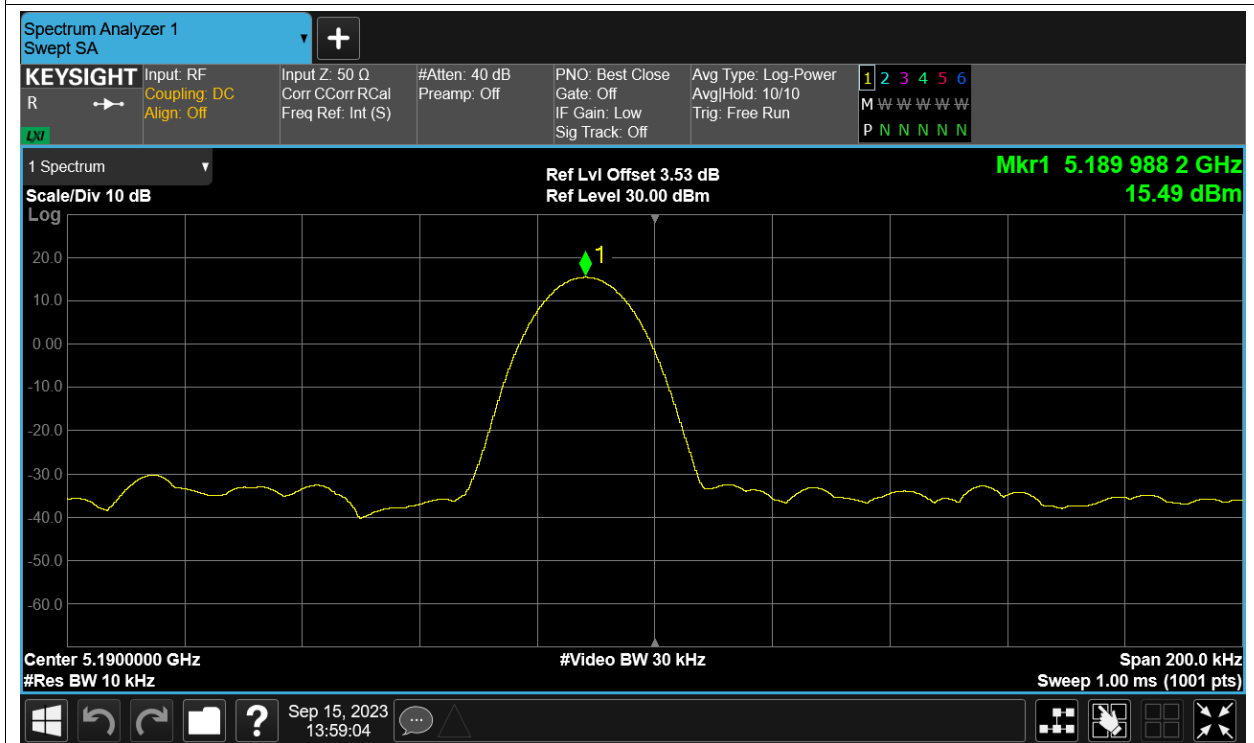
Freq. Stability LVNT n40 5190MHz Ant1



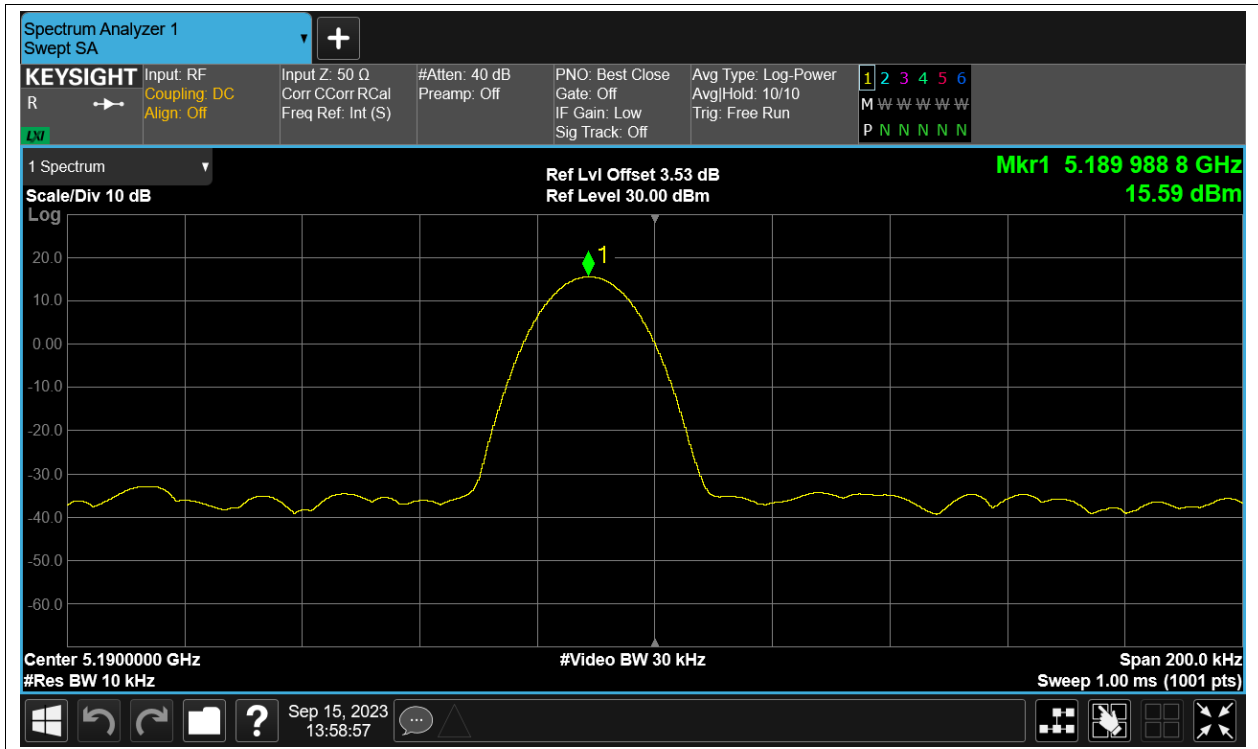
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

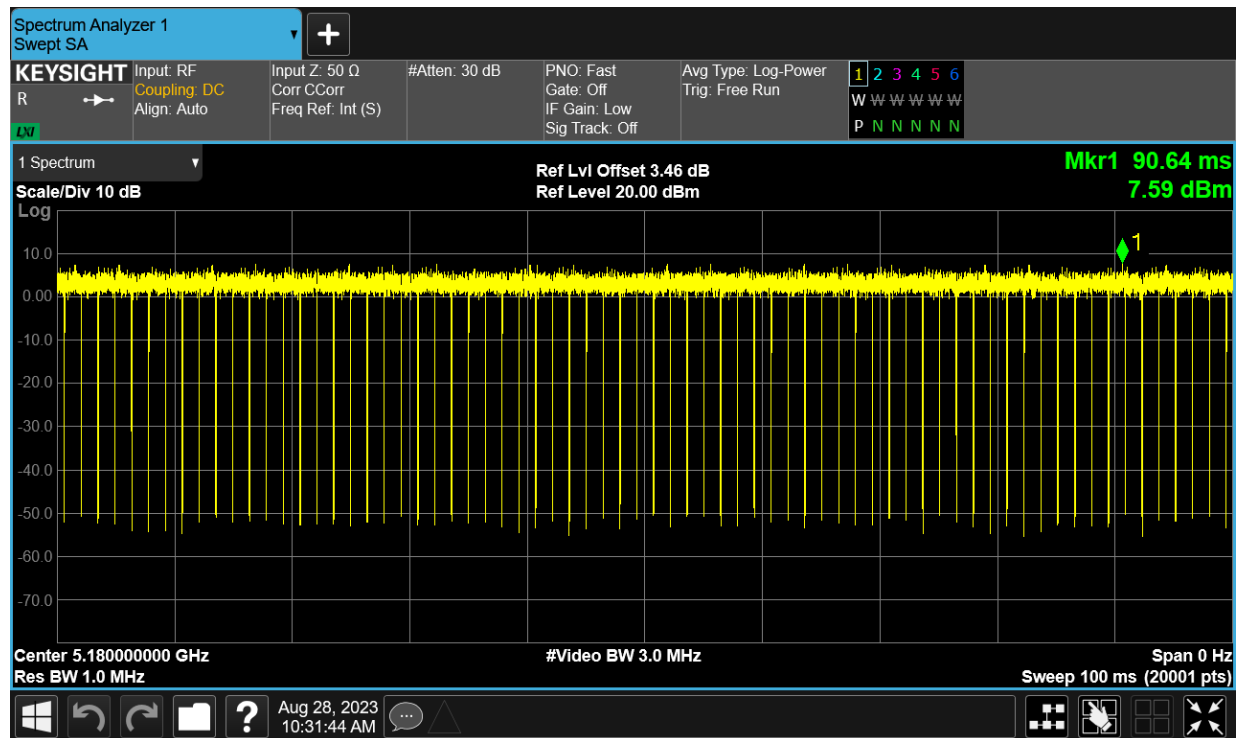


Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	97.59	0.11
NVNT	a	5200	Ant1	90.38	0.44
NVNT	a	5240	Ant1	90.36	0.44
NVNT	ac20	5180	Ant1	88.63	0.52
NVNT	ac20	5200	Ant1	89.14	0.5
NVNT	ac20	5240	Ant1	88.1	0.55
NVNT	ac40	5190	Ant1	80.02	0.97
NVNT	ac40	5230	Ant1	80.14	0.96
NVNT	ac80	5210	Ant1	66.41	1.78
NVNT	n20	5180	Ant1	88.57	0.53
NVNT	n20	5200	Ant1	88.96	0.51
NVNT	n20	5240	Ant1	88.89	0.51
NVNT	n40	5190	Ant1	80.65	0.93
NVNT	n40	5230	Ant1	80.57	0.94

Test Graphs

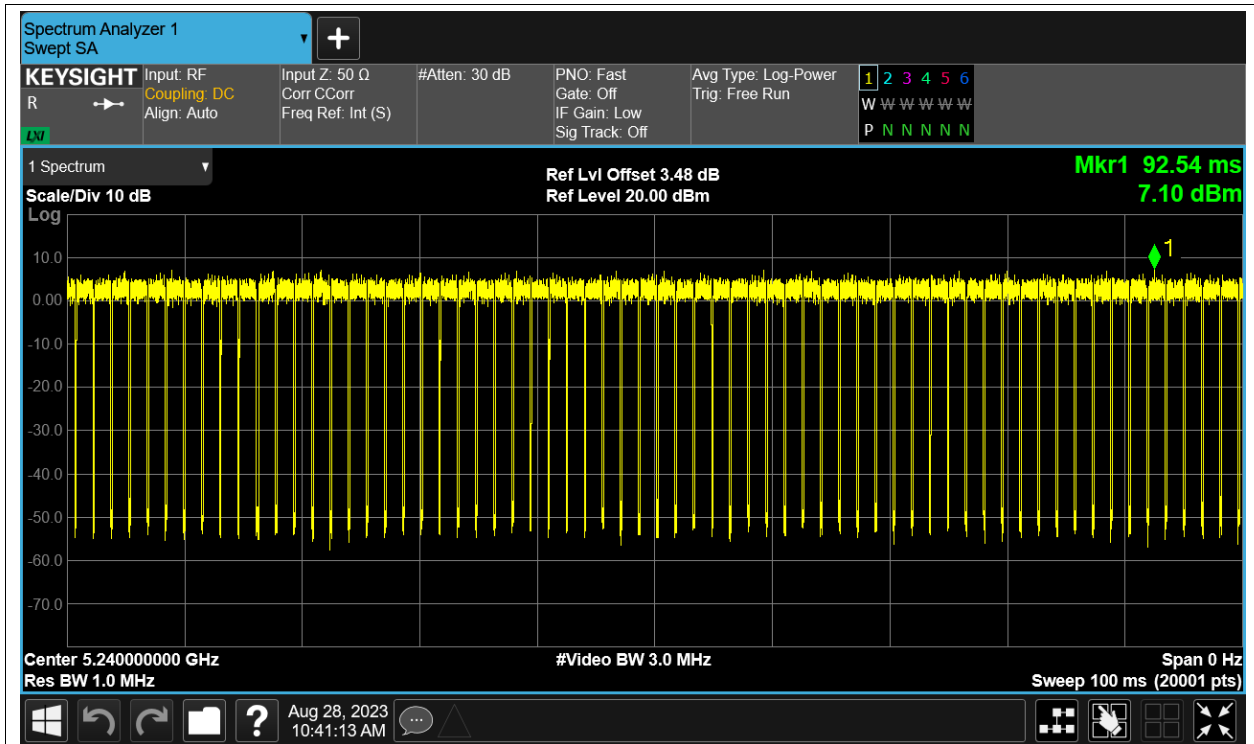
Duty Cycle NVNT a 5180MHz Ant1



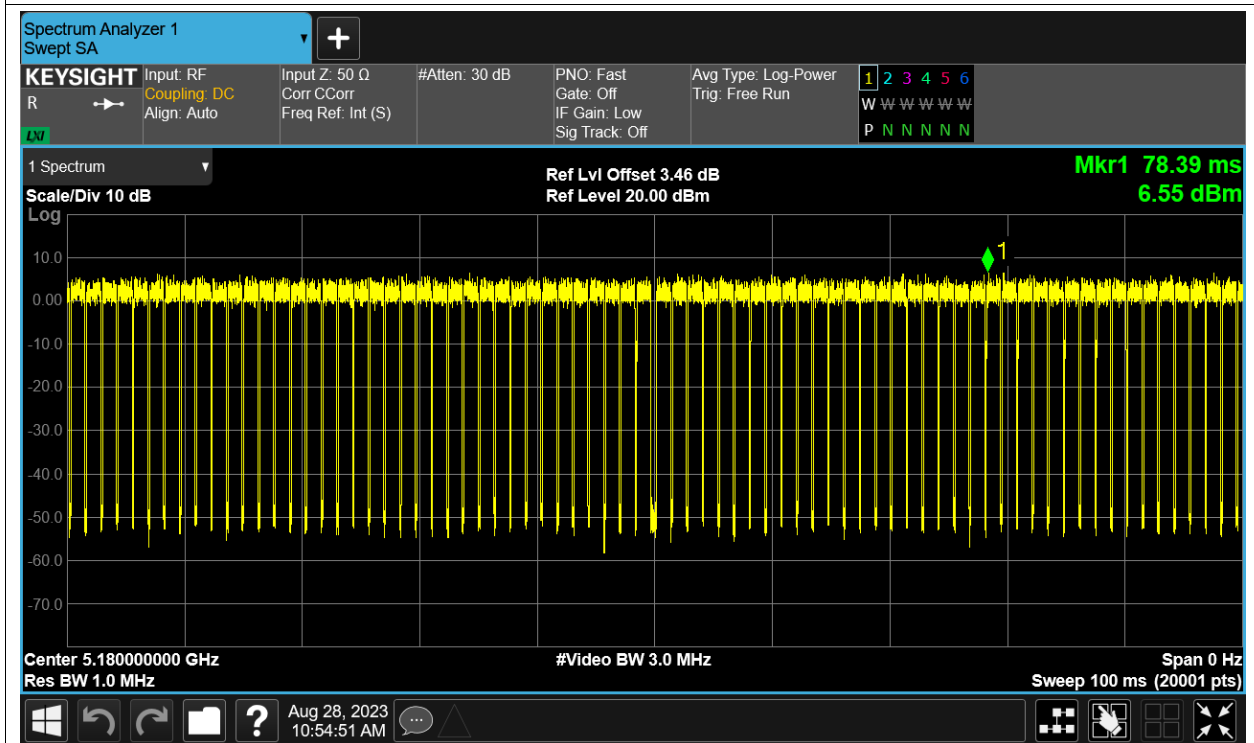
Duty Cycle NVNT a 5200MHz Ant1



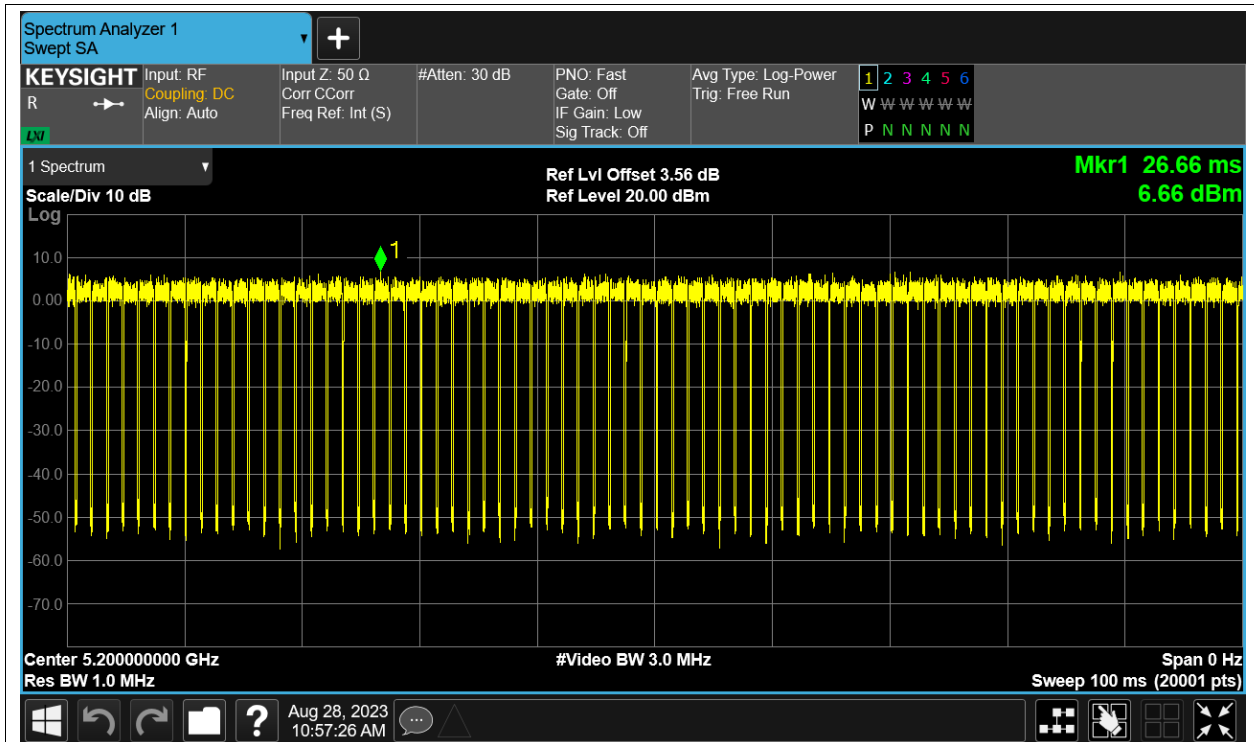
Duty Cycle NVNT a 5240MHz Ant1



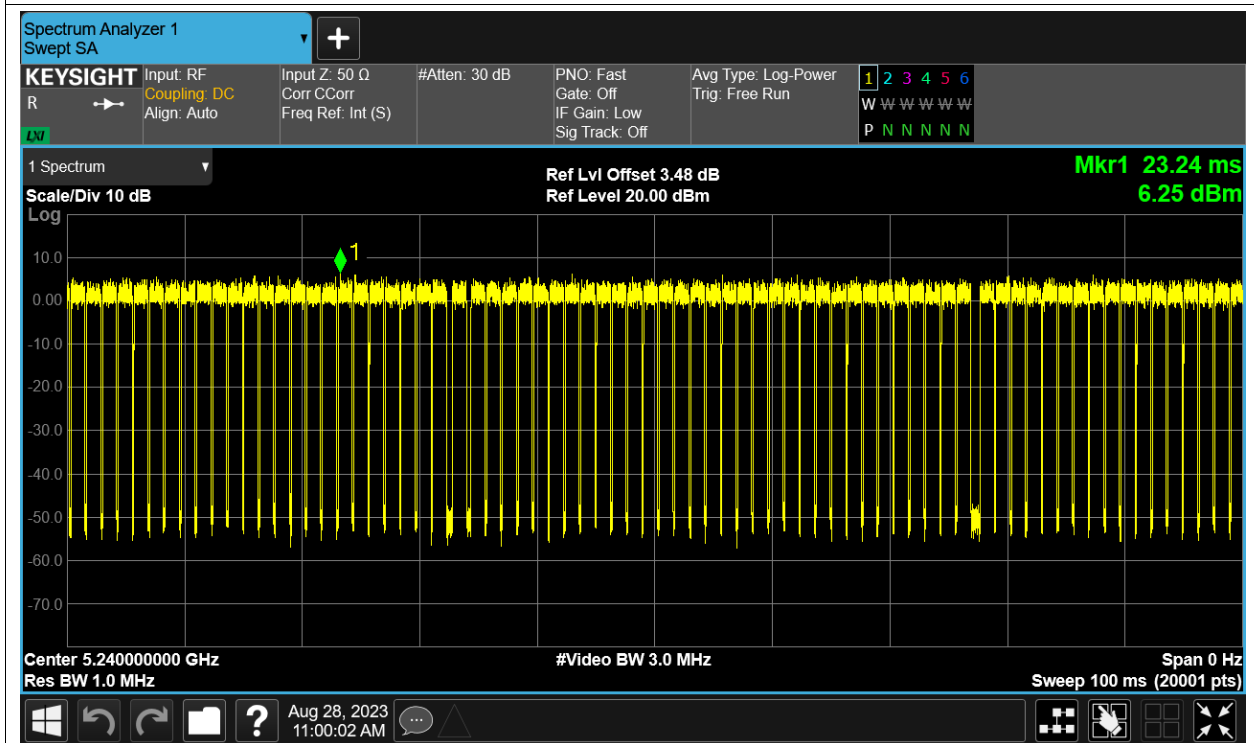
Duty Cycle NVNT ac20 5180MHz Ant1



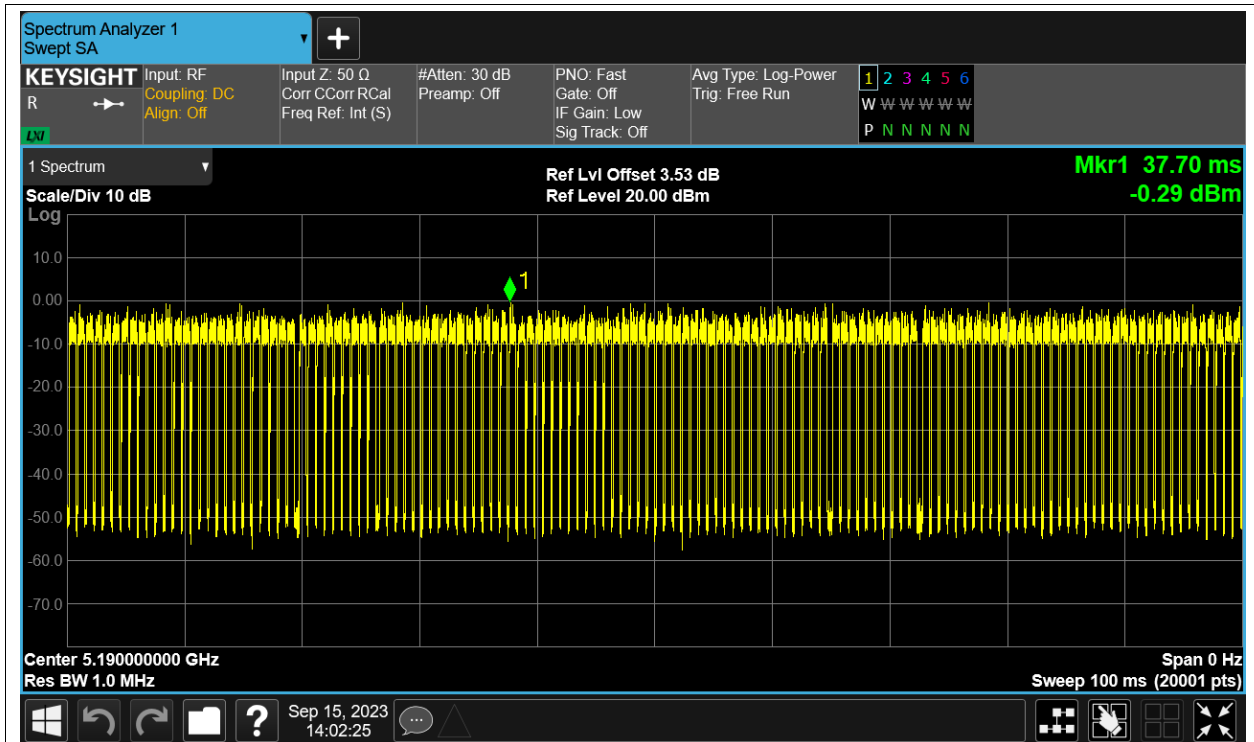
Duty Cycle NVNT ac20 5200MHz Ant1



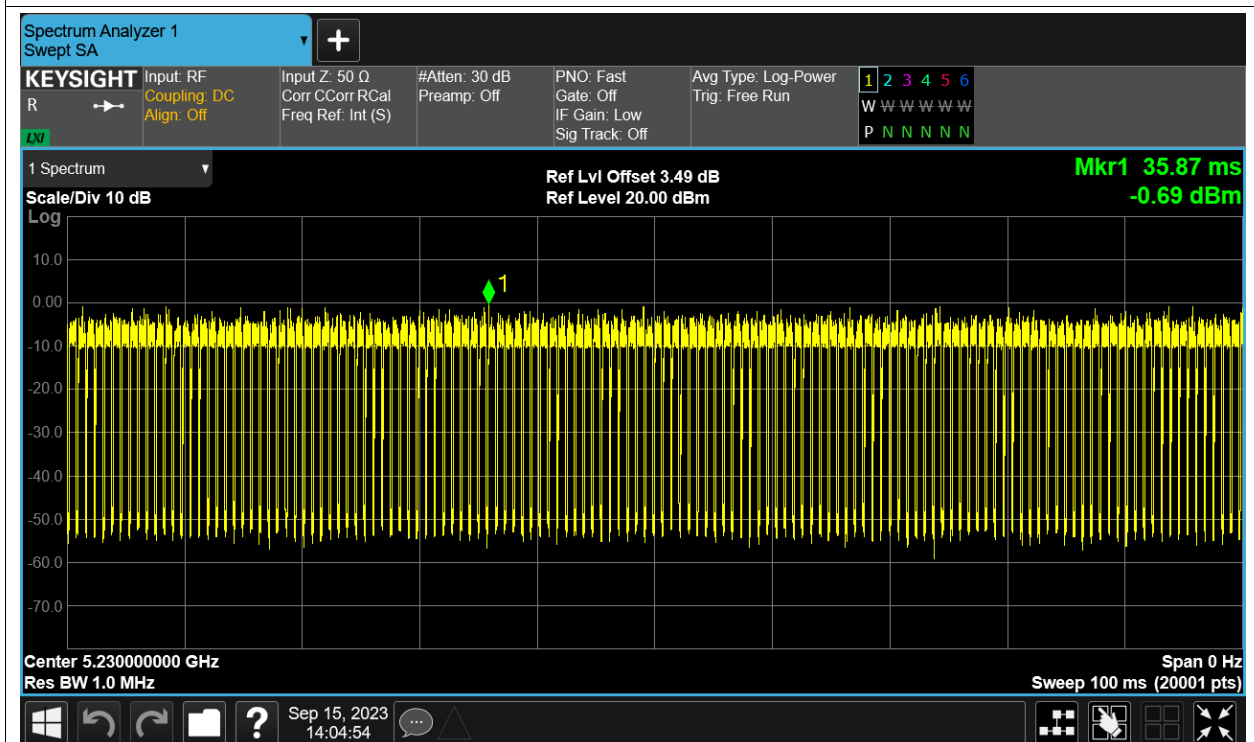
Duty Cycle NVNT ac20 5240MHz Ant1



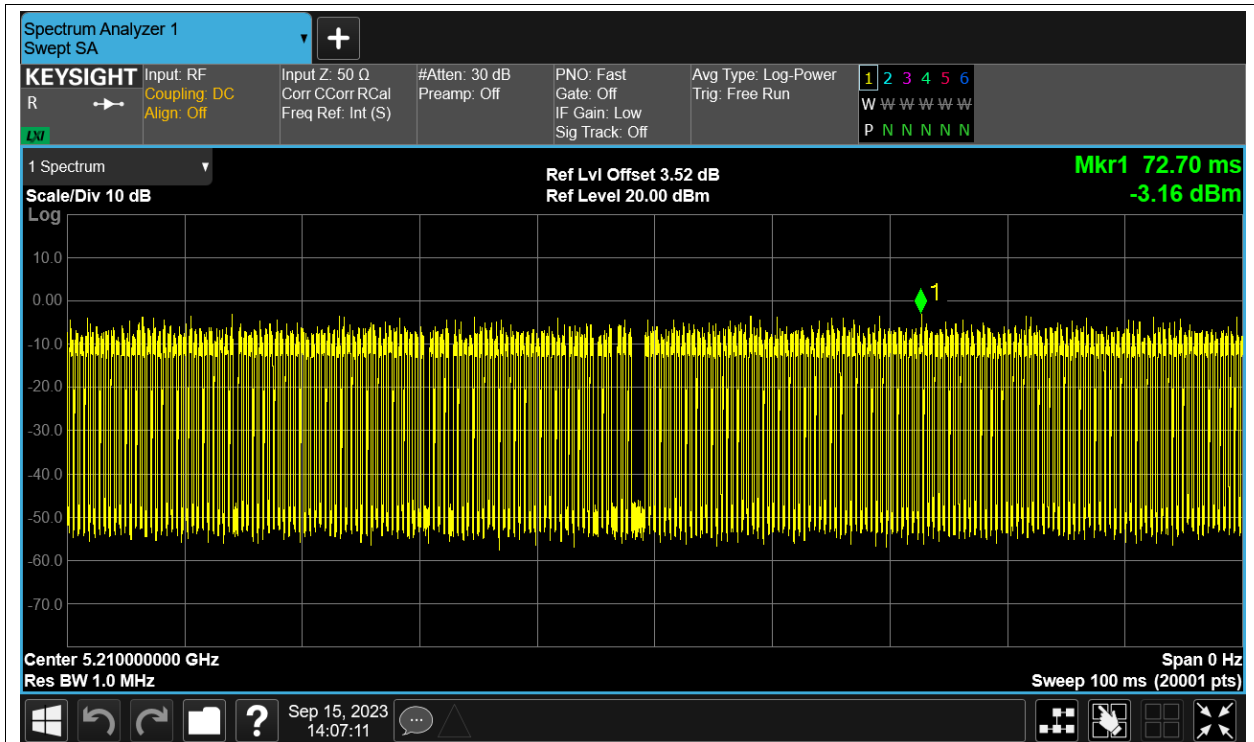
Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



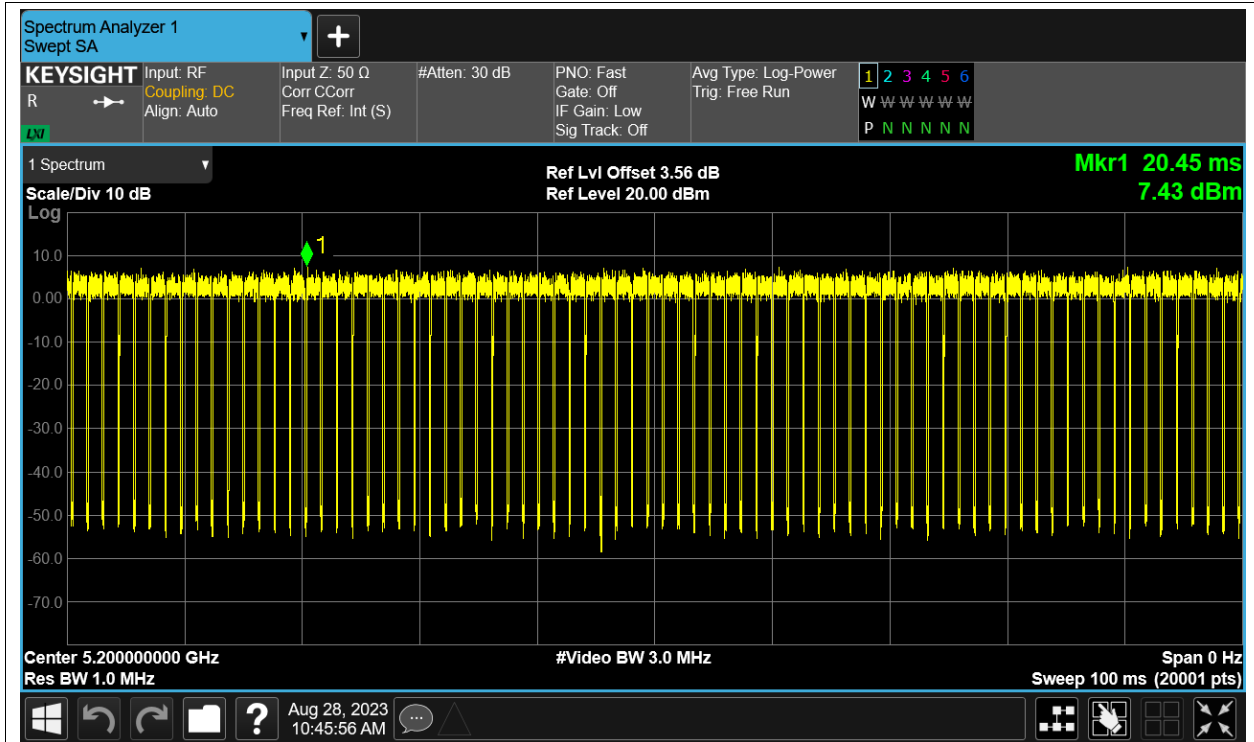
Duty Cycle NVNT ac80 5210MHz Ant1



Duty Cycle NVNT n20 5180MHz Ant1



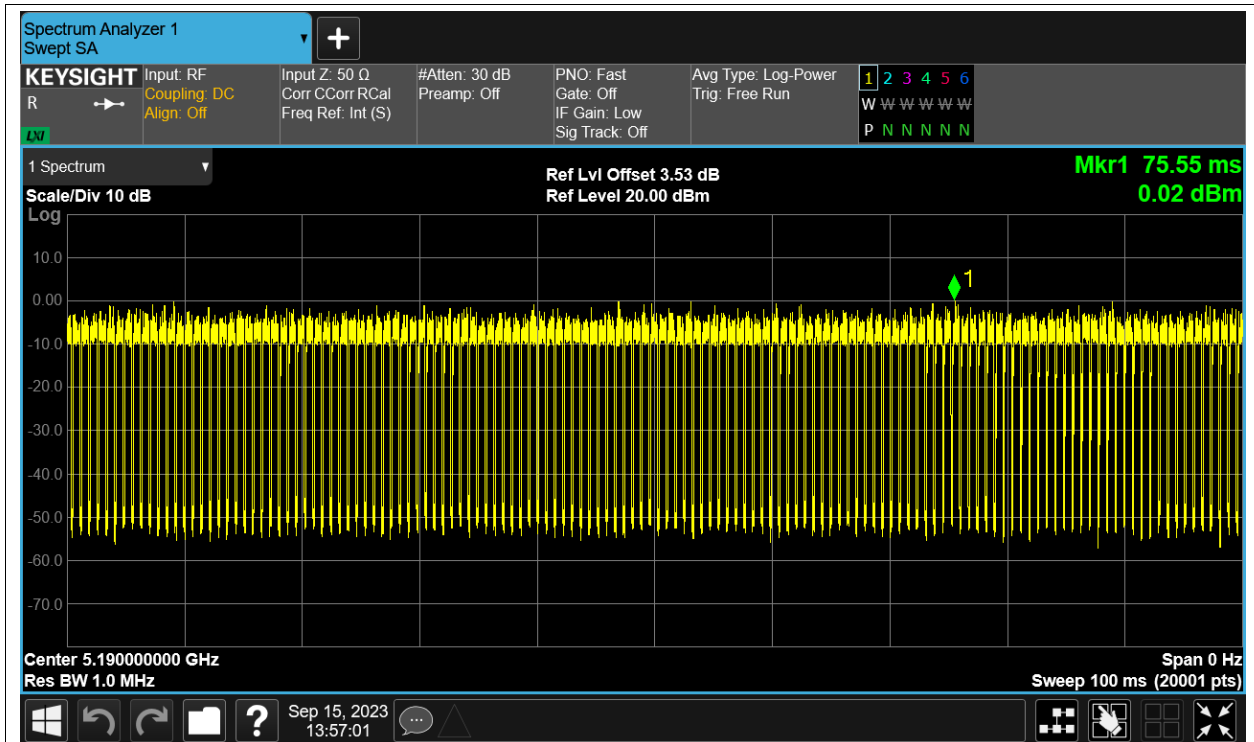
Duty Cycle NVNT n20 5200MHz Ant1



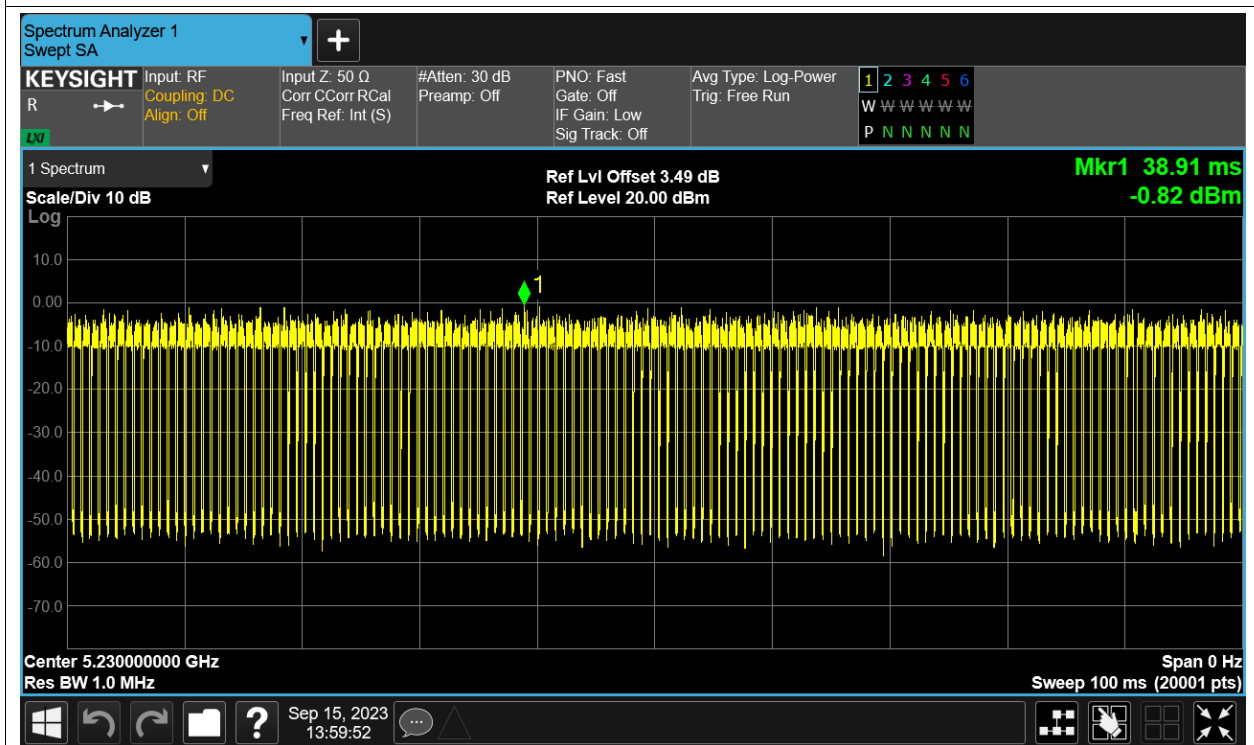
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

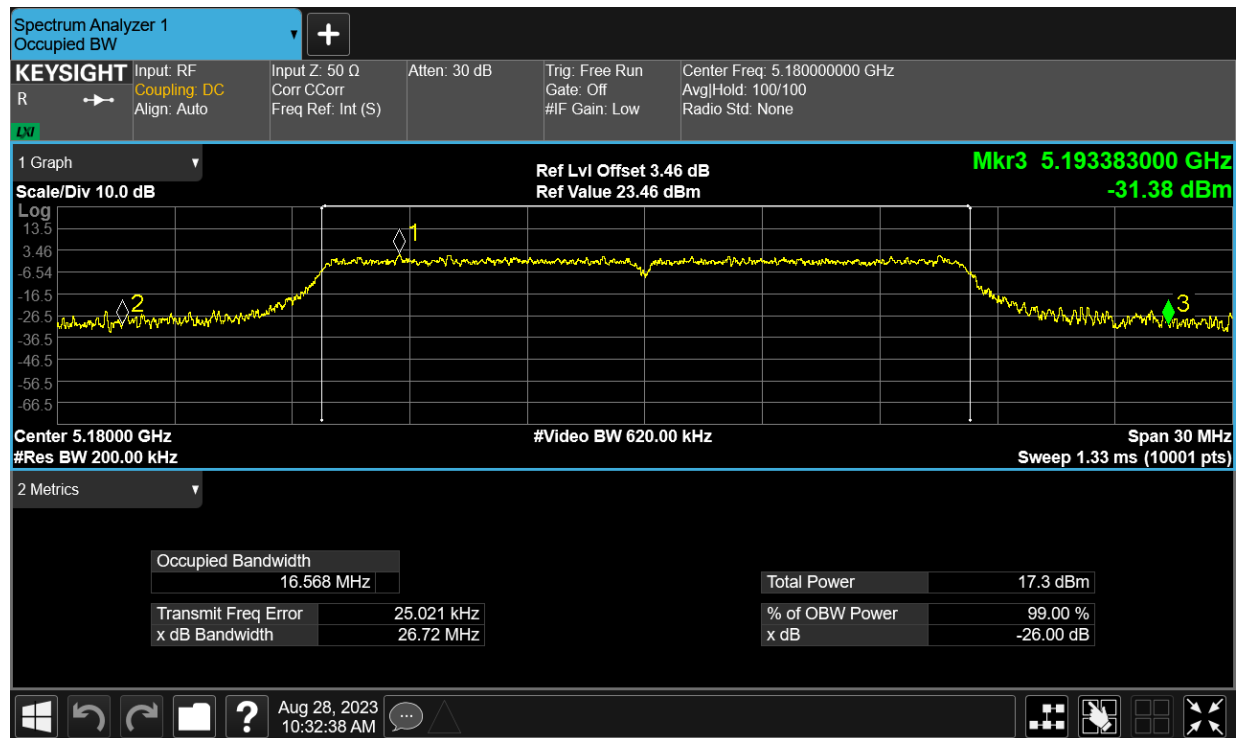
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	14.57	0.11	14.68	24	Pass
NVNT	a	5200	Ant1	13.82	0.44	14.26	24	Pass
NVNT	a	5240	Ant1	14.31	0.44	14.75	24	Pass
NVNT	ac20	5180	Ant1	13.66	0.52	14.18	24	Pass
NVNT	ac20	5200	Ant1	13.06	0.5	13.56	24	Pass
NVNT	ac20	5240	Ant1	13.47	0.55	14.02	24	Pass
NVNT	ac40	5190	Ant1	7.71	0.97	8.68	24	Pass
NVNT	ac40	5230	Ant1	7.61	0.96	8.57	24	Pass
NVNT	ac80	5210	Ant1	7.58	1.78	9.36	24	Pass
NVNT	n20	5180	Ant1	14.5	0.53	15.03	24	Pass
NVNT	n20	5200	Ant1	13.9	0.51	14.41	24	Pass
NVNT	n20	5240	Ant1	14.27	0.51	14.78	24	Pass
NVNT	n40	5190	Ant1	7.65	0.93	8.58	24	Pass
NVNT	n40	5230	Ant1	7.52	0.94	8.46	24	Pass

-26dB Bandwidth

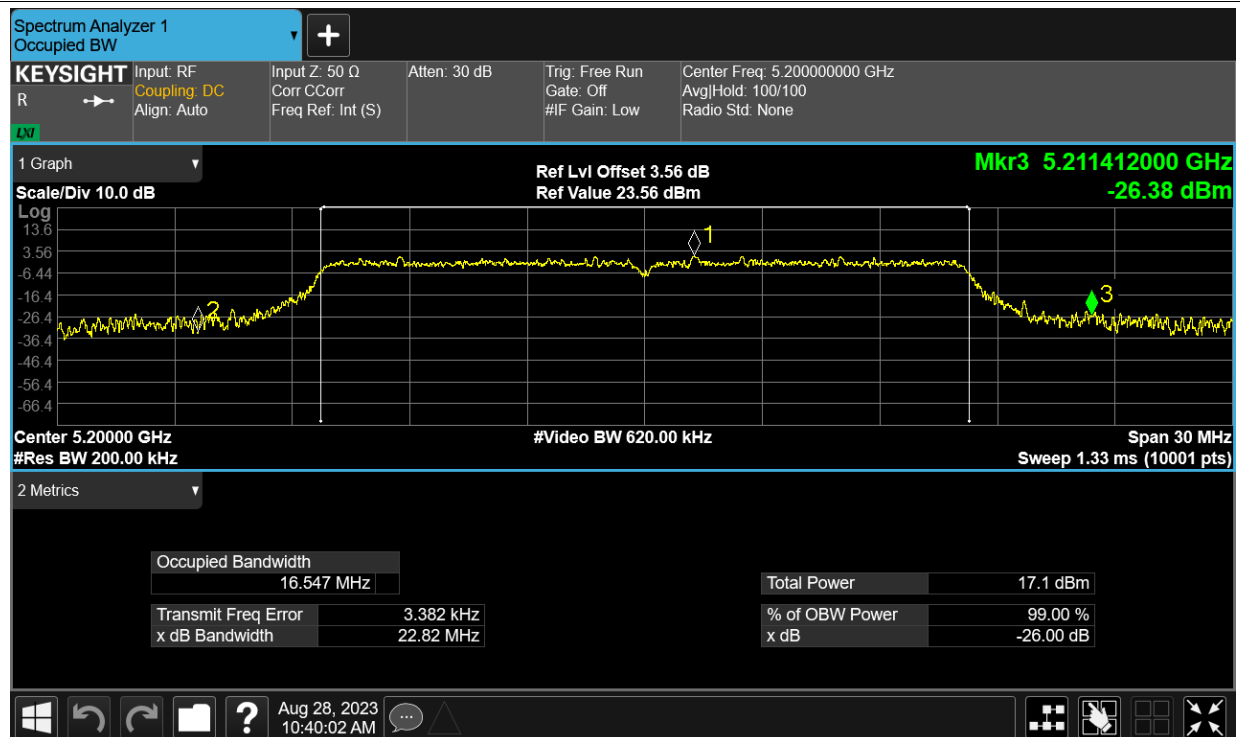
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	26.716
NVNT	a	5200	Ant1	22.817
NVNT	a	5240	Ant1	21.931
NVNT	ac20	5180	Ant1	26.207
NVNT	ac20	5200	Ant1	23.698
NVNT	ac20	5240	Ant1	23.603
NVNT	ac40	5190	Ant1	53.235
NVNT	ac40	5230	Ant1	49.329
NVNT	ac80	5210	Ant1	78.109
NVNT	n20	5180	Ant1	26.823
NVNT	n20	5200	Ant1	25.933
NVNT	n20	5240	Ant1	26.459
NVNT	n40	5190	Ant1	57.085
NVNT	n40	5230	Ant1	56.526

Test Graphs

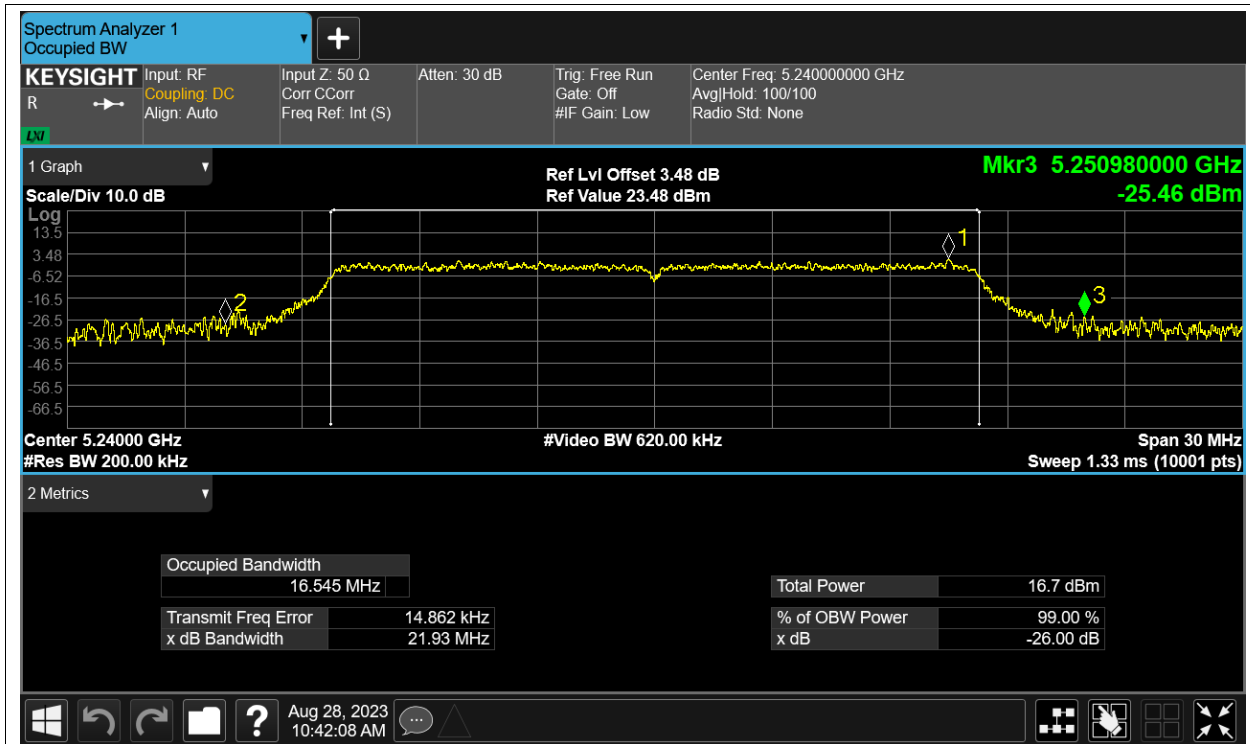
-26dB Bandwidth NVNT a 5180MHz Ant1



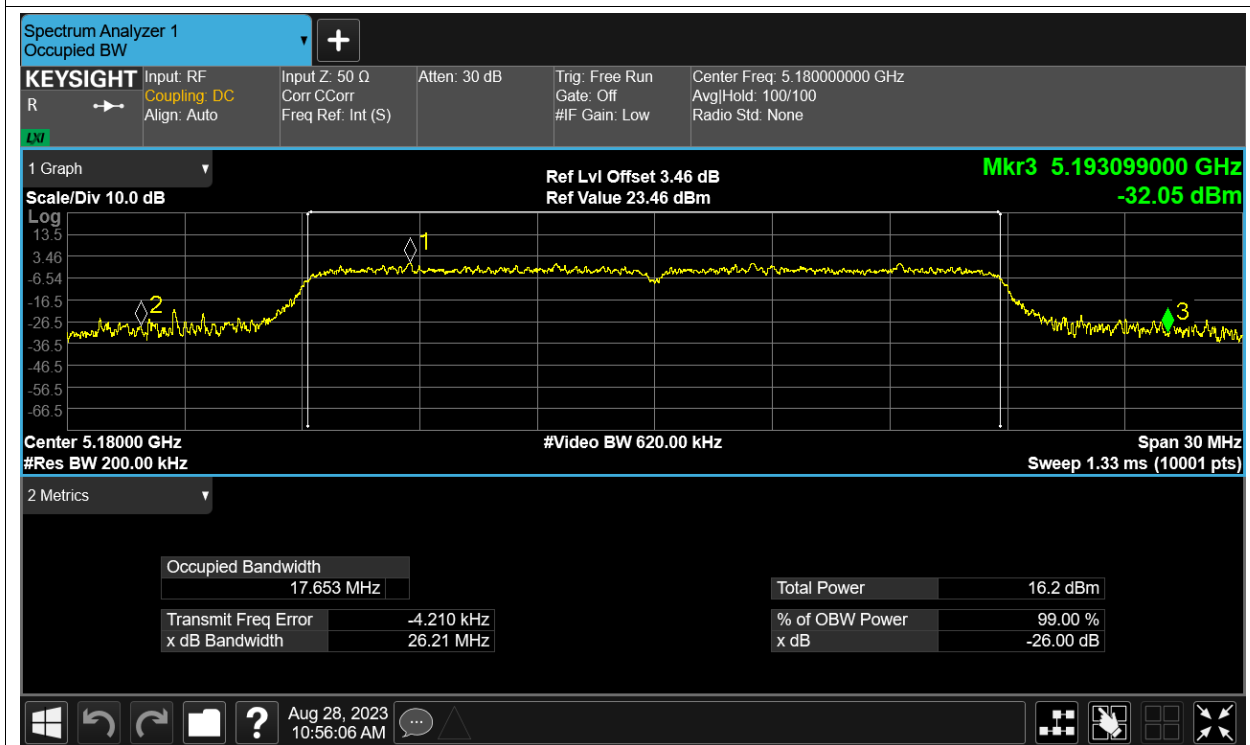
-26dB Bandwidth NVNT a 5200MHz Ant1



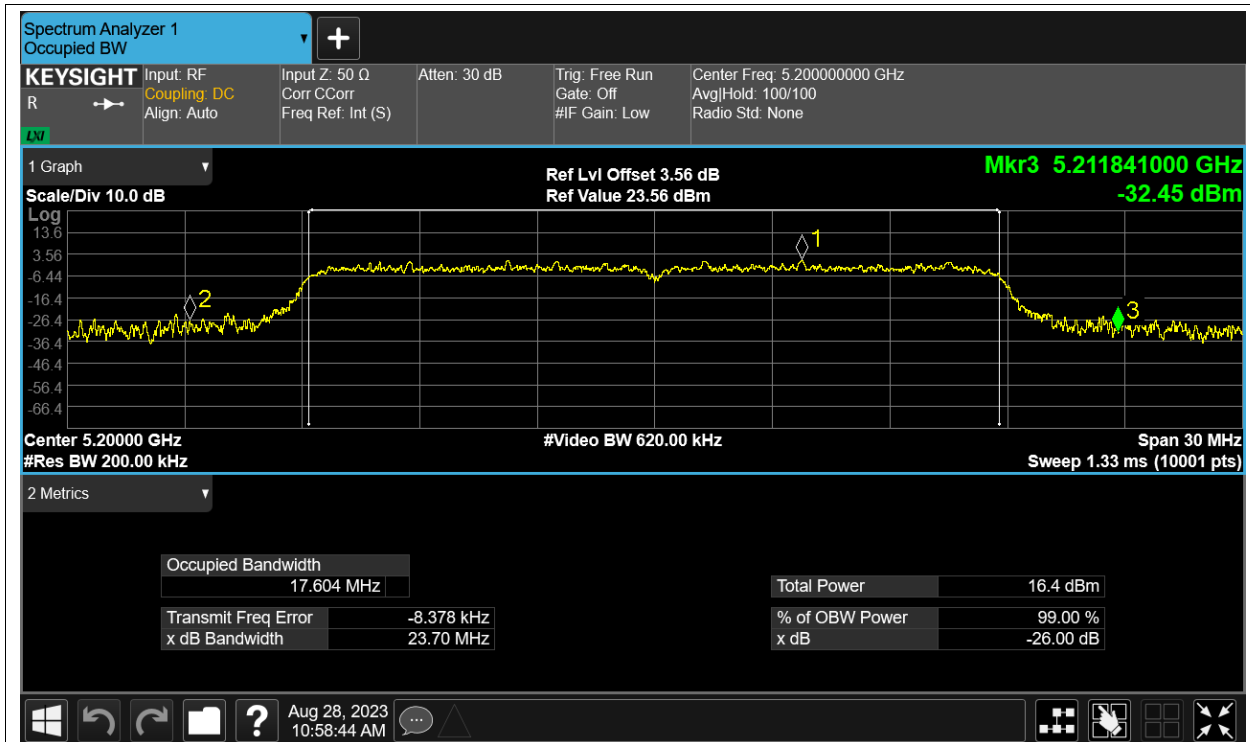
-26dB Bandwidth NVNT a 5240MHz Ant1



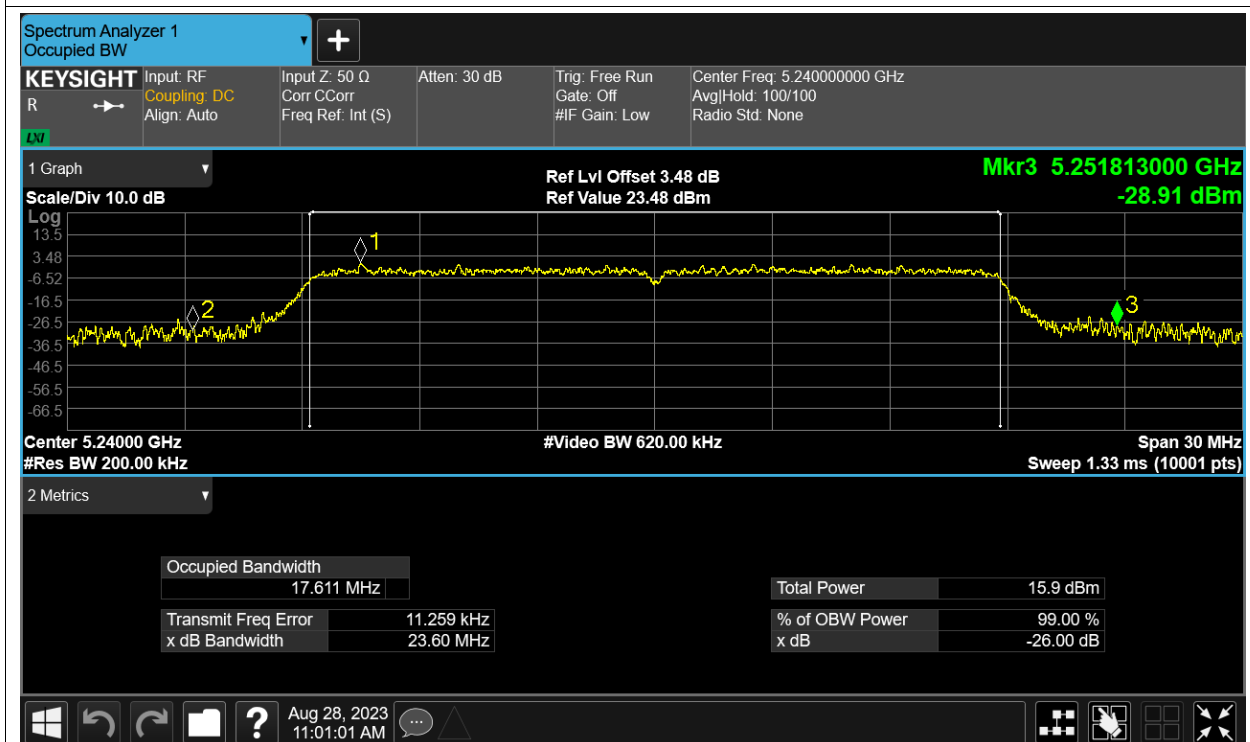
-26dB Bandwidth NVNT ac20 5180MHz Ant1



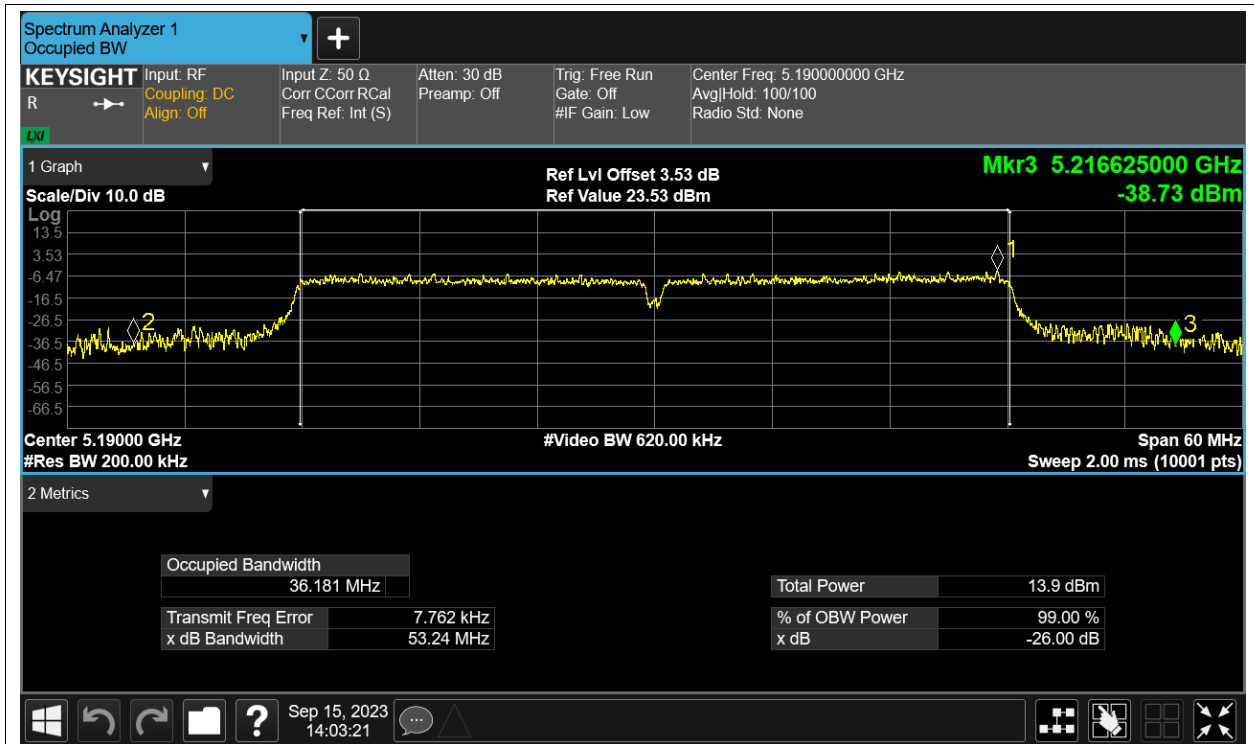
-26dB Bandwidth NVNT ac20 5200MHz Ant1



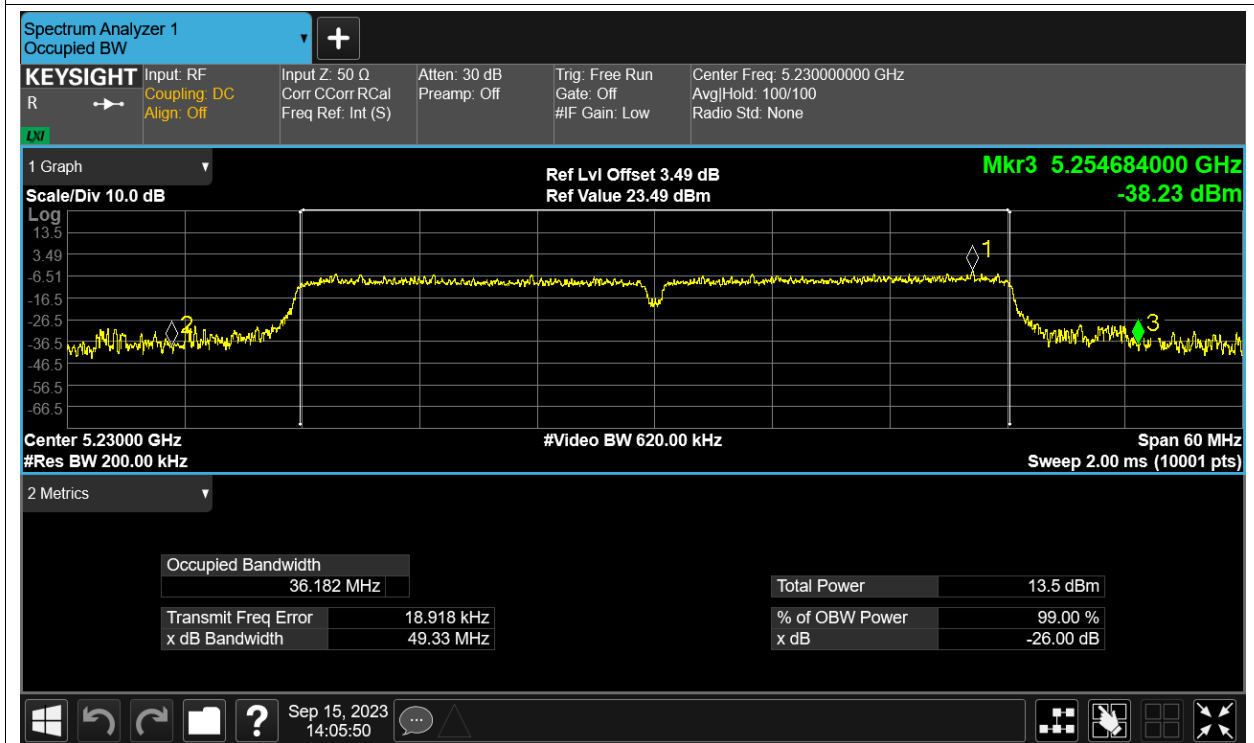
-26dB Bandwidth NVNT ac20 5240MHz Ant1



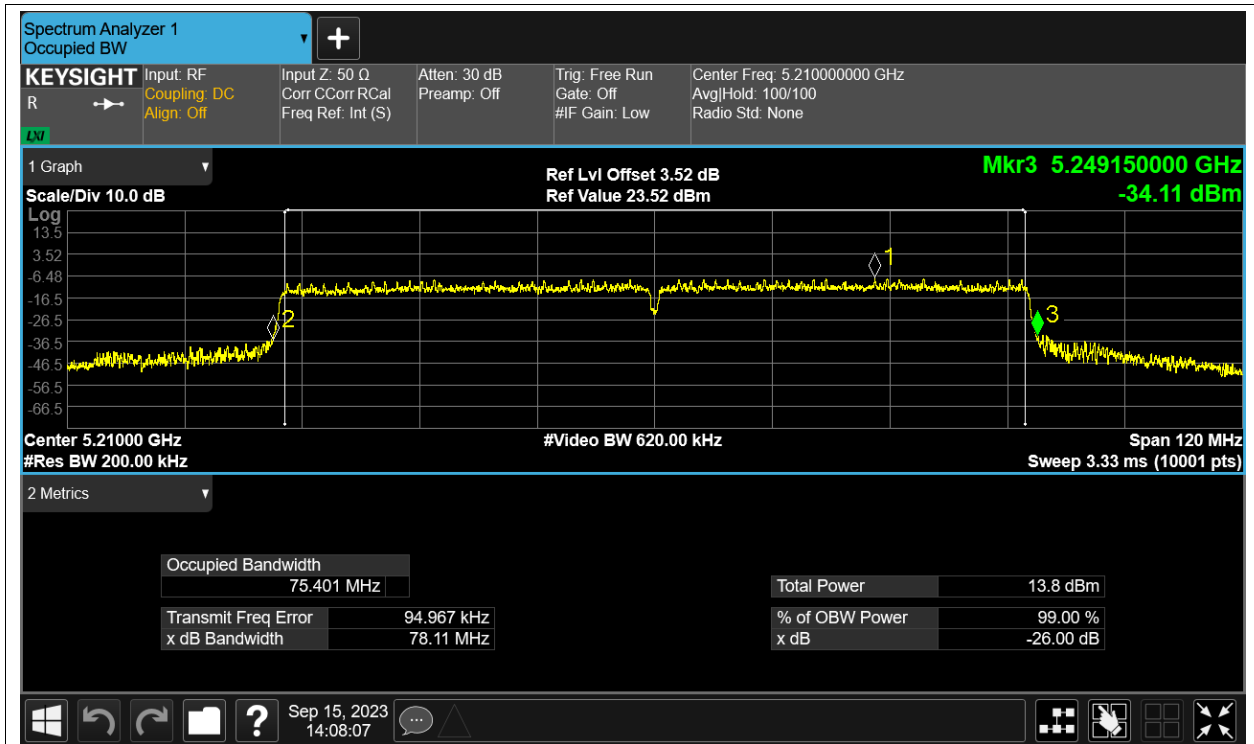
-26dB Bandwidth NVNT ac40 5190MHz Ant1



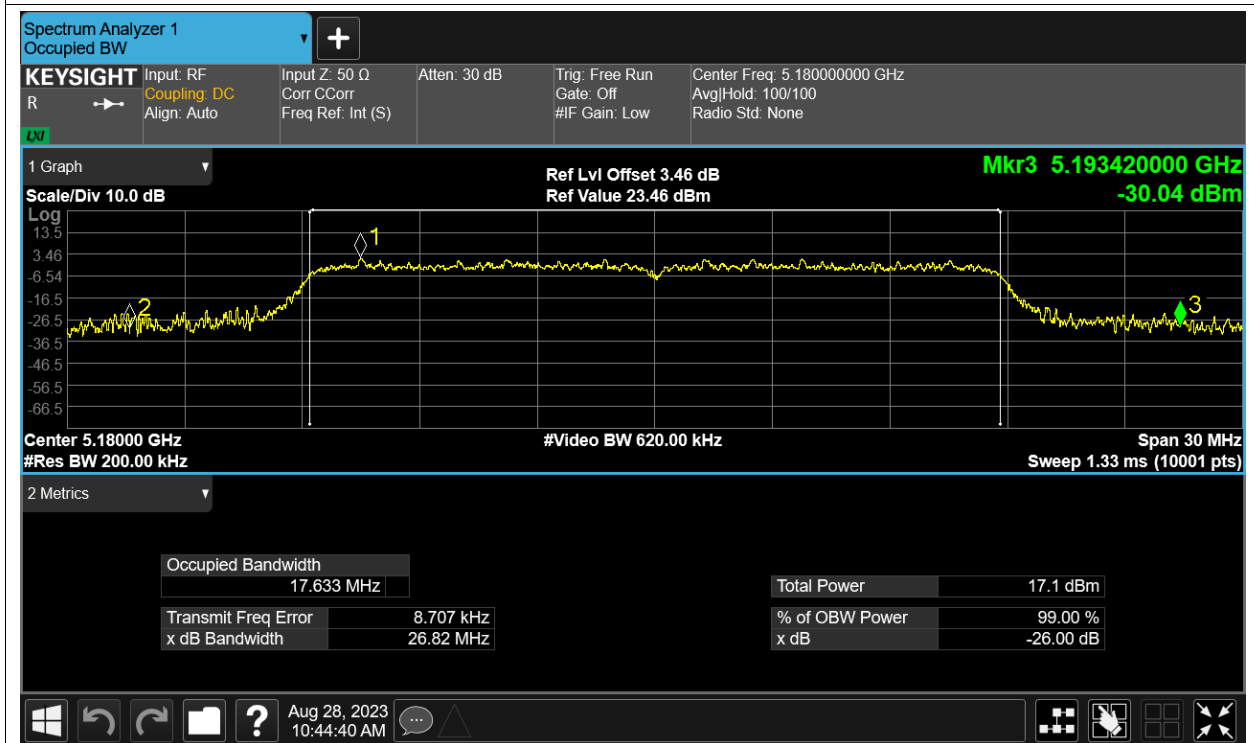
-26dB Bandwidth NVNT ac40 5230MHz Ant1



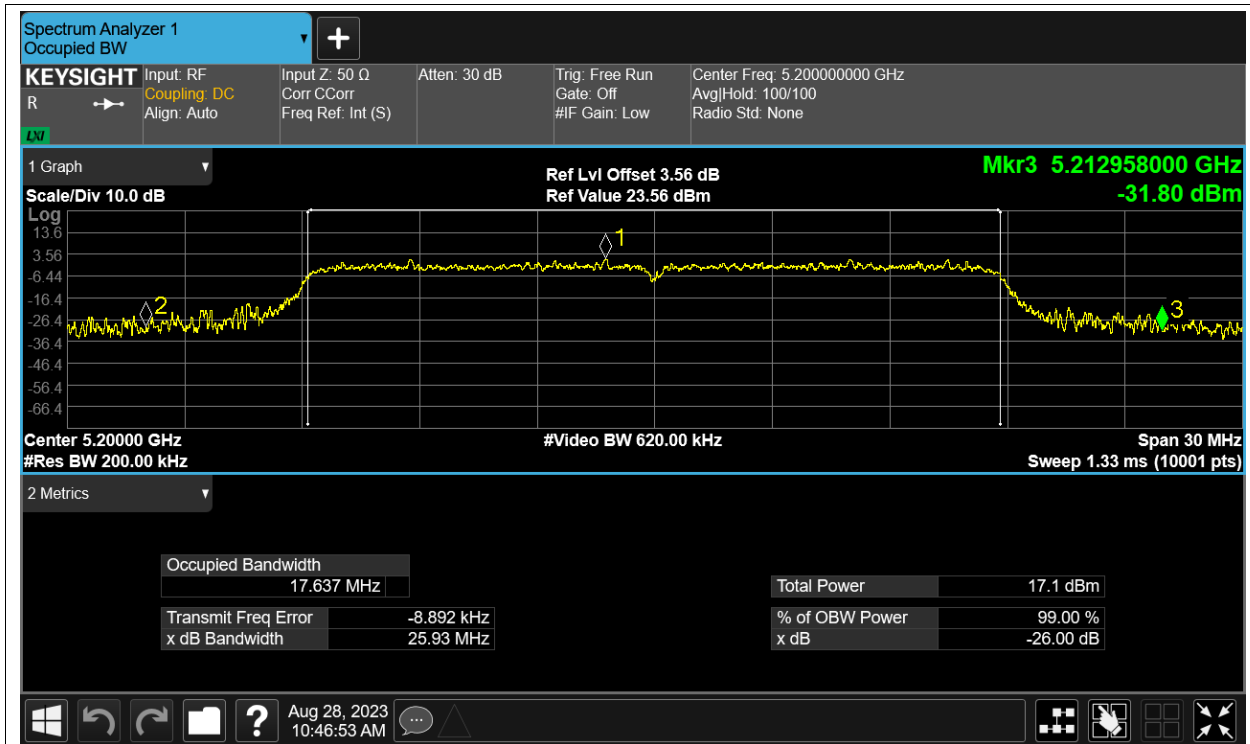
-26dB Bandwidth NVNT ac80 5210MHz Ant1



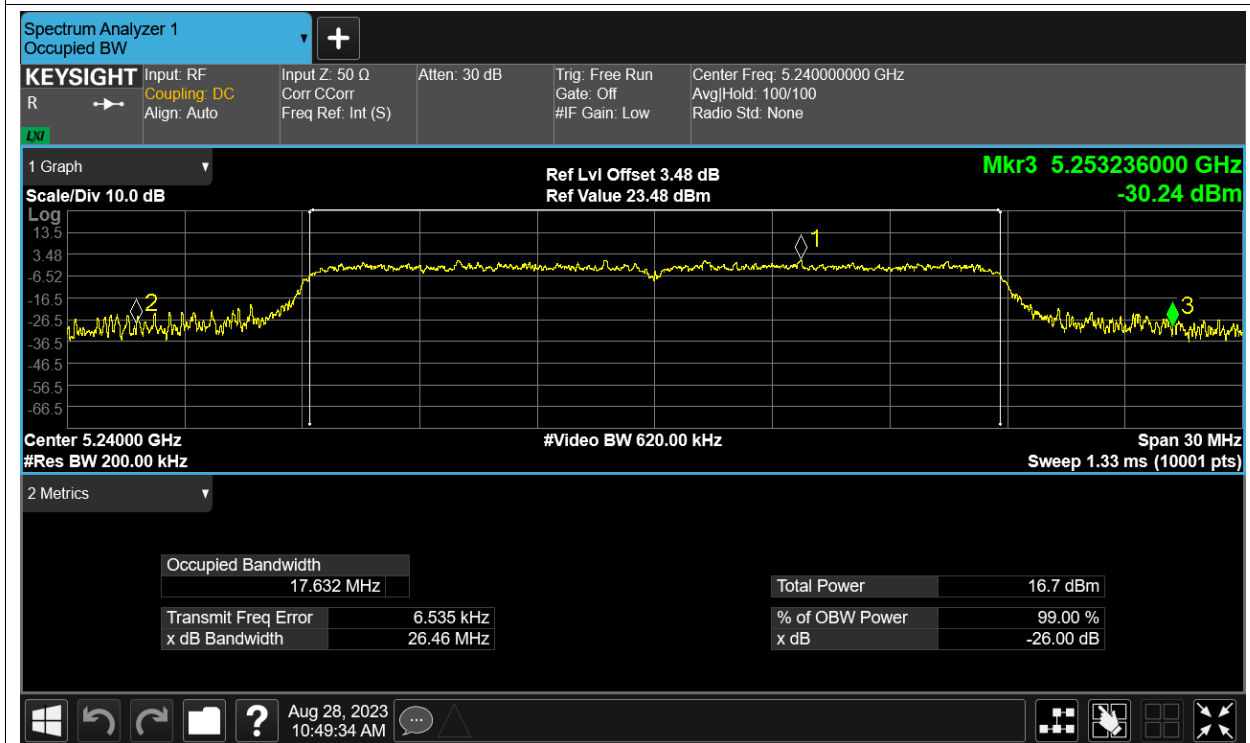
-26dB Bandwidth NVNT n20 5180MHz Ant1



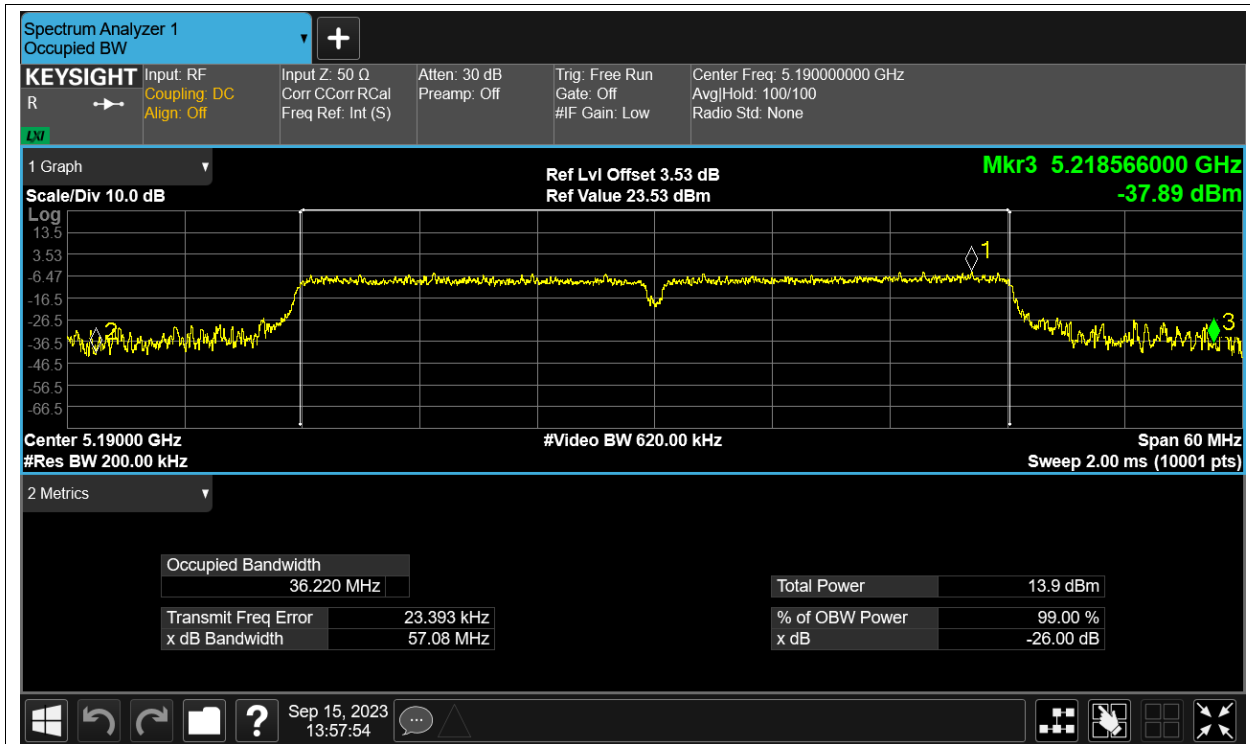
-26dB Bandwidth NVNT n20 5200MHz Ant1



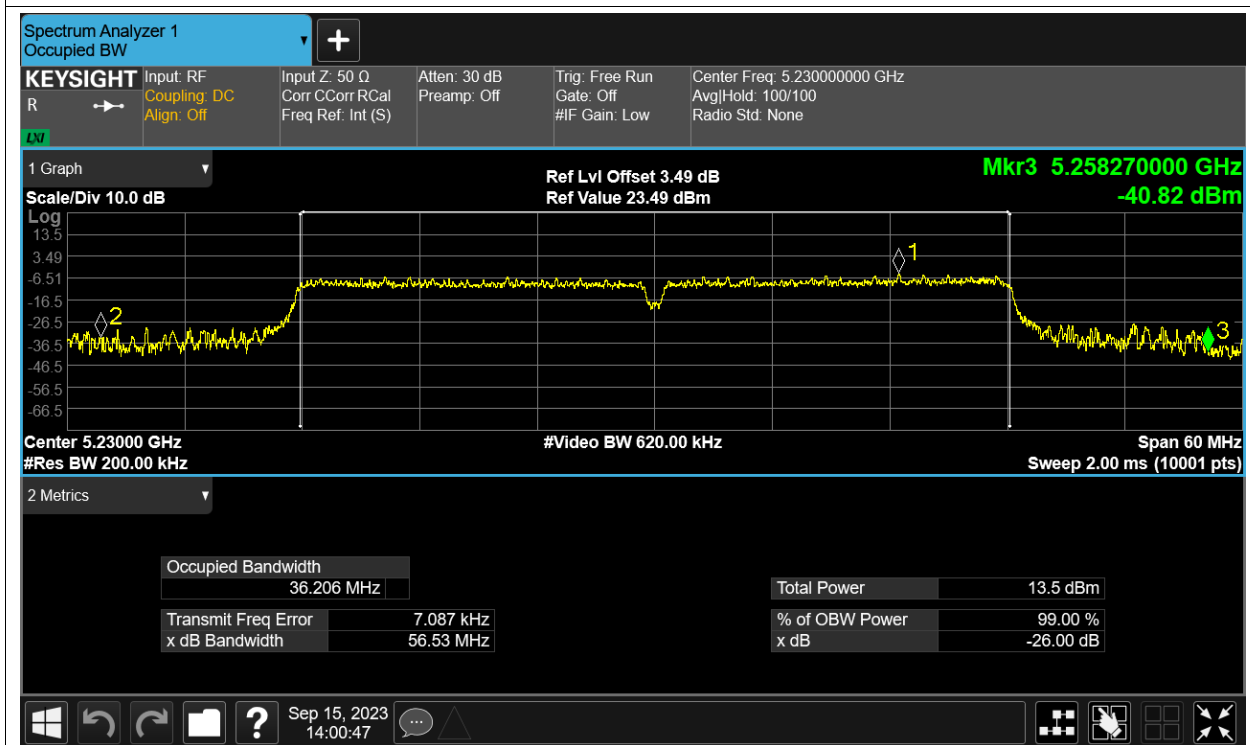
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

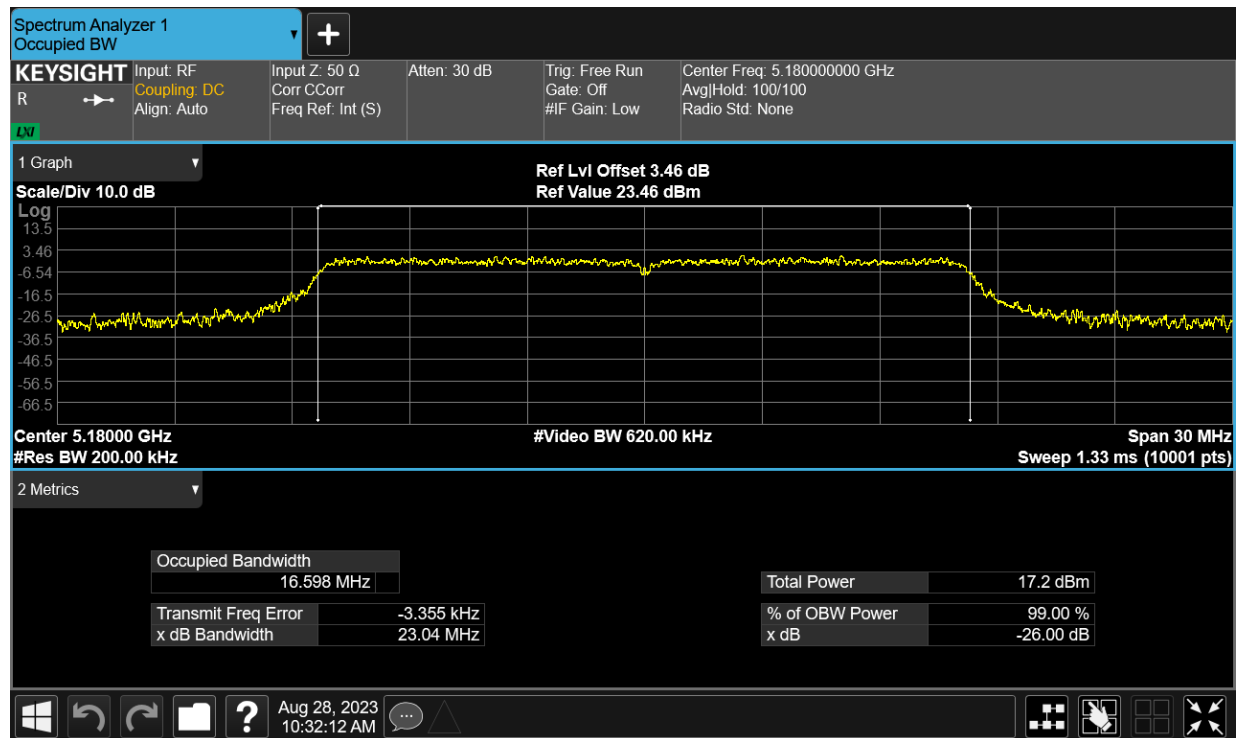


Occupied Channel Bandwidth

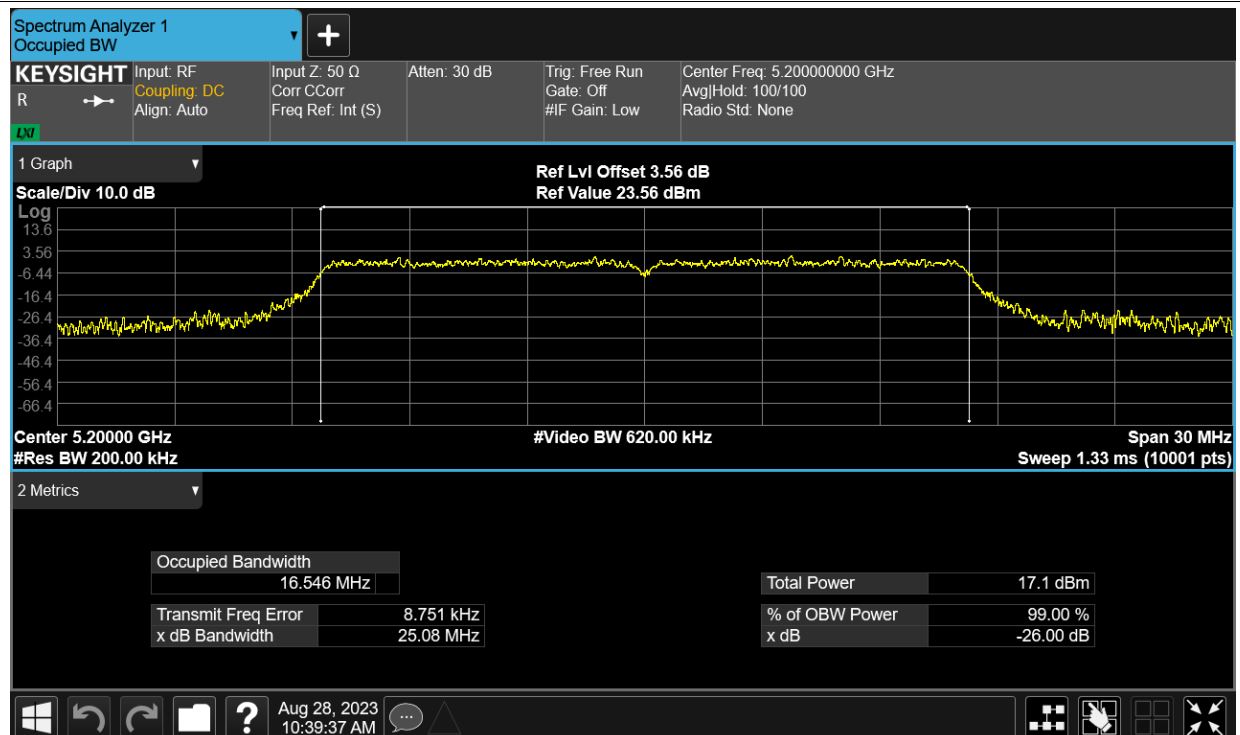
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.598
NVNT	a	5200	Ant1	16.546
NVNT	a	5240	Ant1	16.558
NVNT	ac20	5180	Ant1	17.594
NVNT	ac20	5200	Ant1	17.594
NVNT	ac20	5240	Ant1	17.601
NVNT	ac40	5190	Ant1	36.385
NVNT	ac40	5230	Ant1	36.368
NVNT	ac80	5210	Ant1	75.434
NVNT	n20	5180	Ant1	17.663
NVNT	n20	5200	Ant1	17.665
NVNT	n20	5240	Ant1	17.607
NVNT	n40	5190	Ant1	36.364
NVNT	n40	5230	Ant1	36.394

Test Graphs

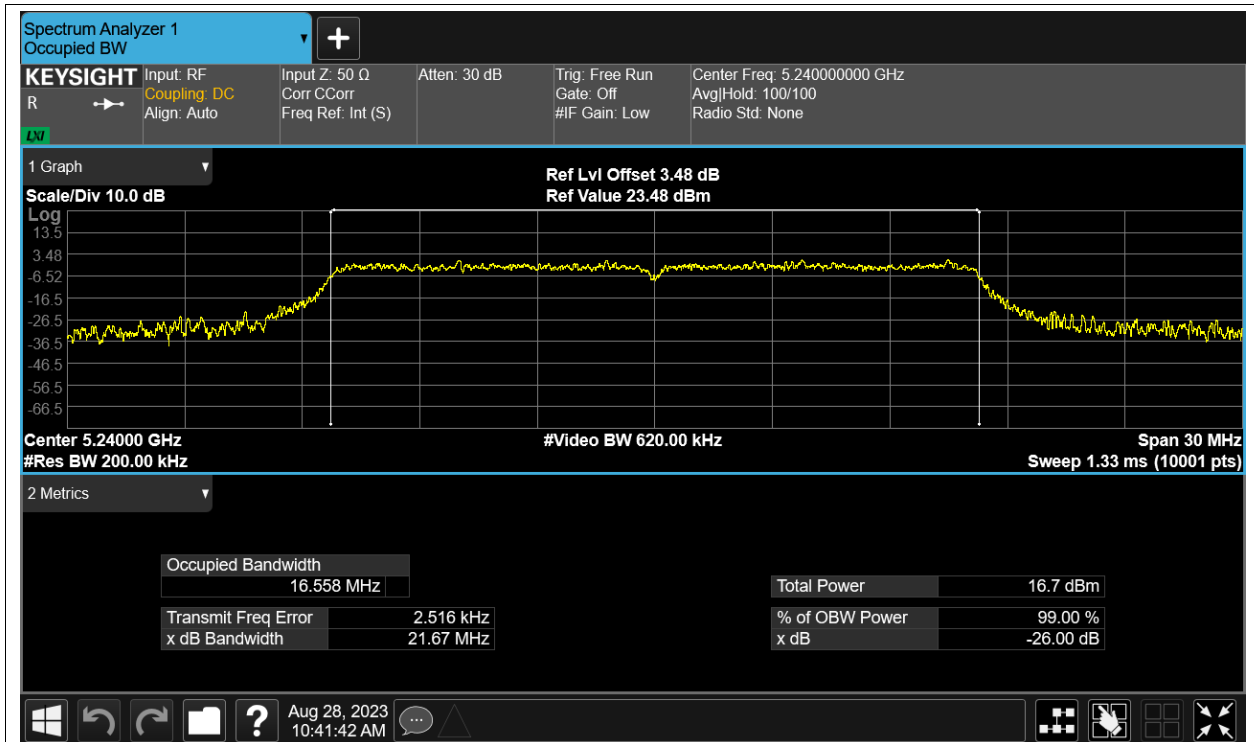
OBW NVNT a 5180MHz Ant1



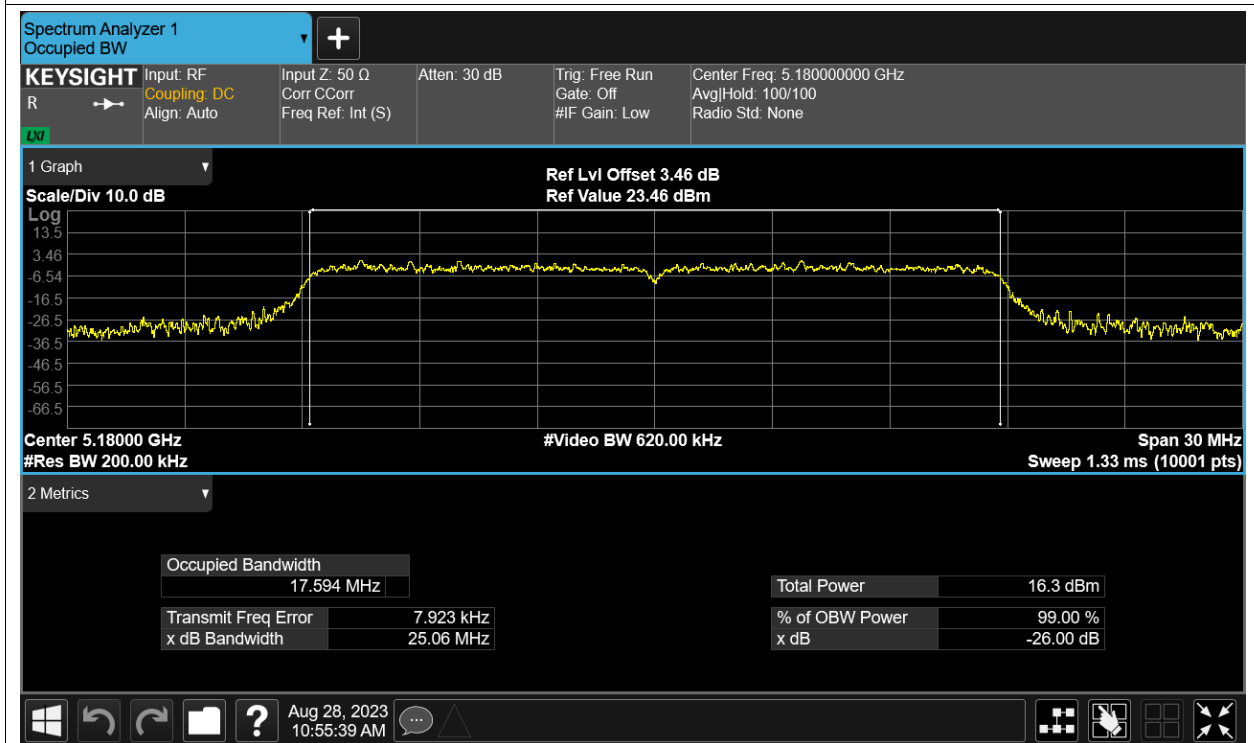
OBW NVNT a 5200MHz Ant1



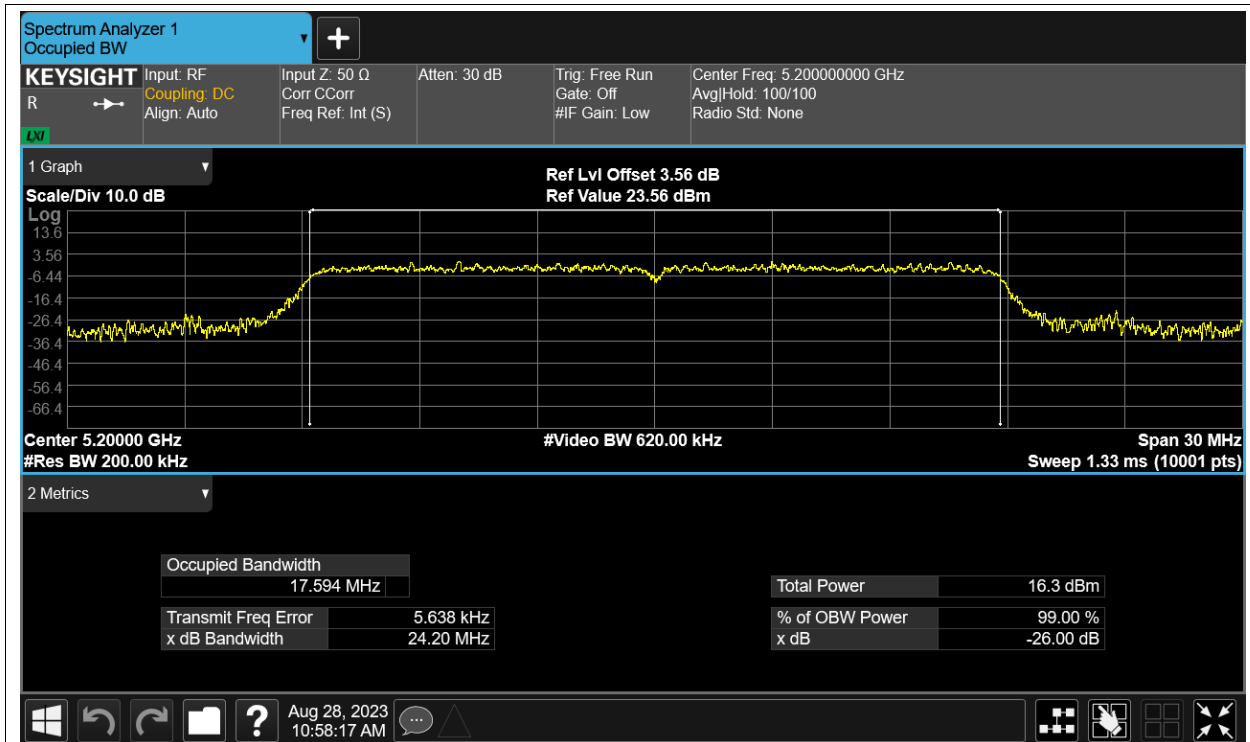
OBW NVNT a 5240MHz Ant1



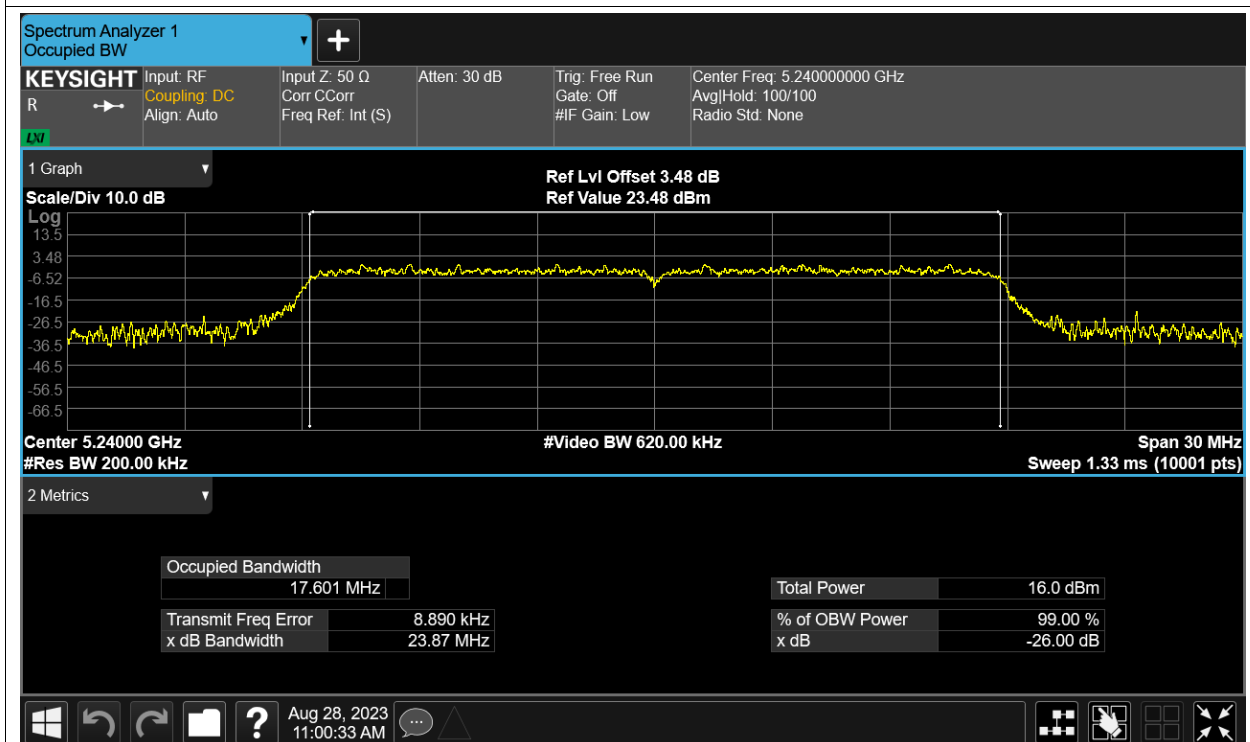
OBW NVNT ac20 5180MHz Ant1



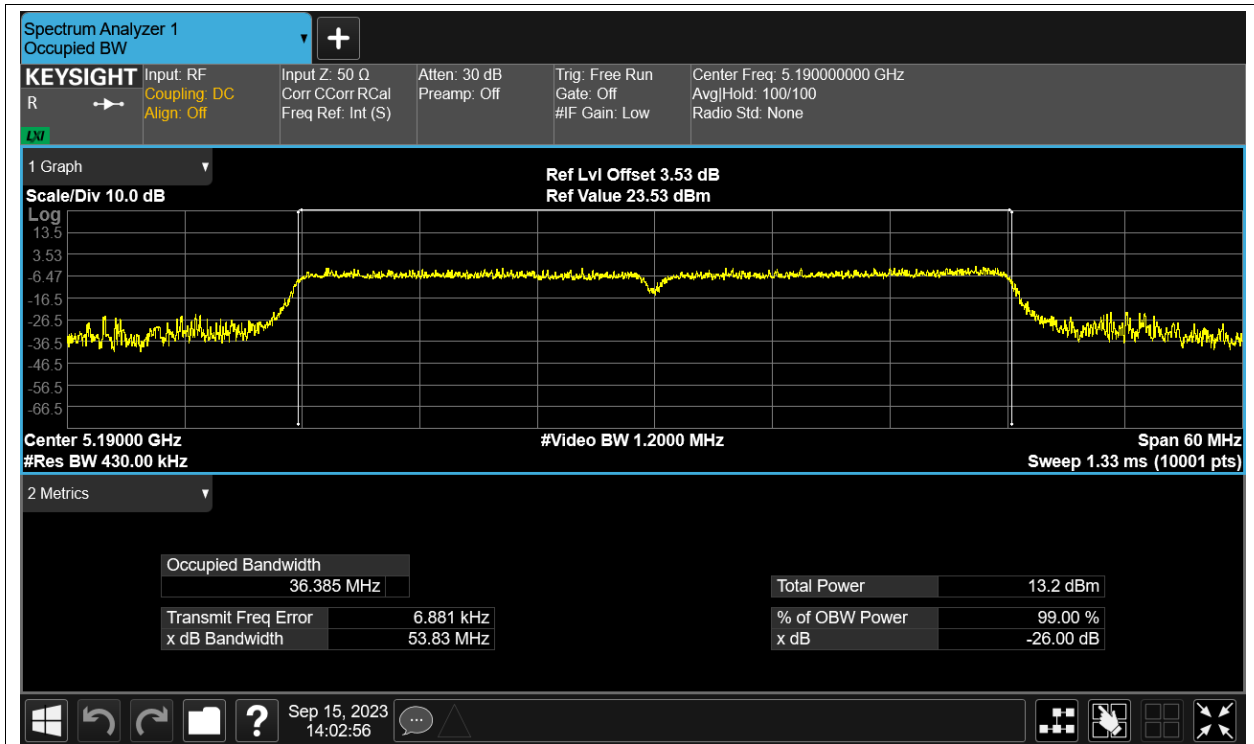
OBW NVNT ac20 5200MHz Ant1



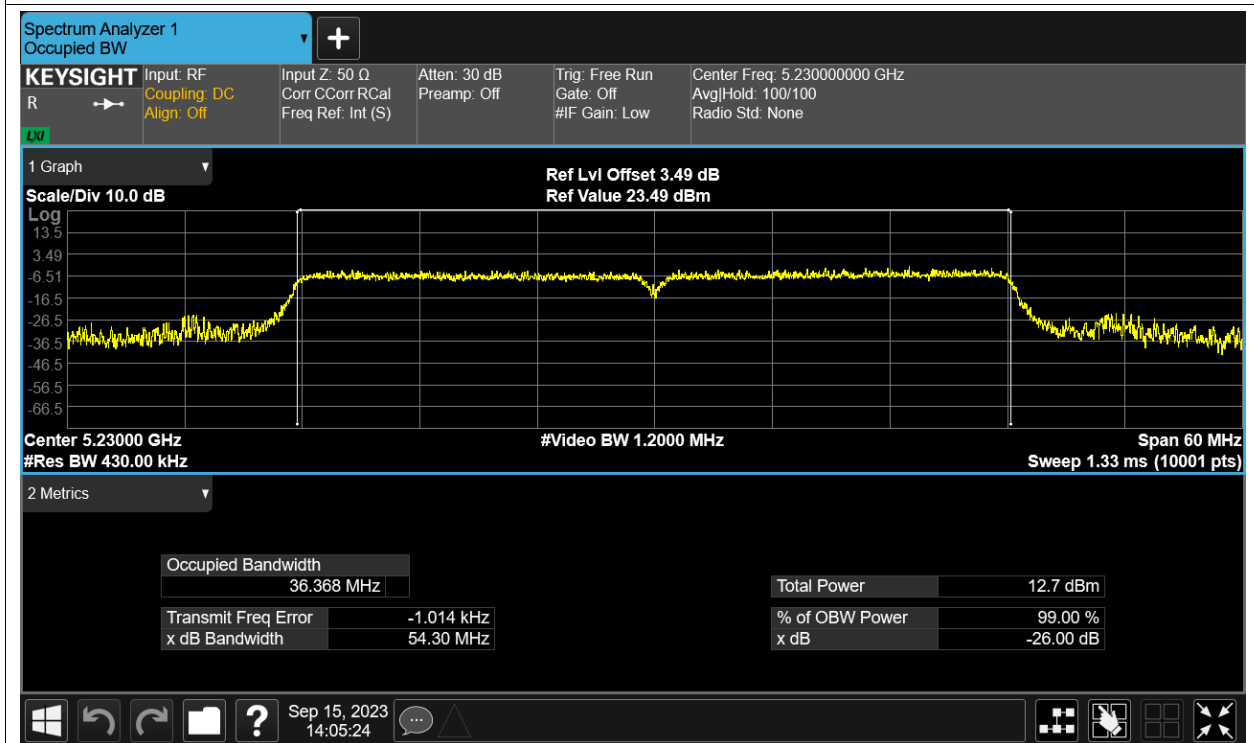
OBW NVNT ac20 5240MHz Ant1



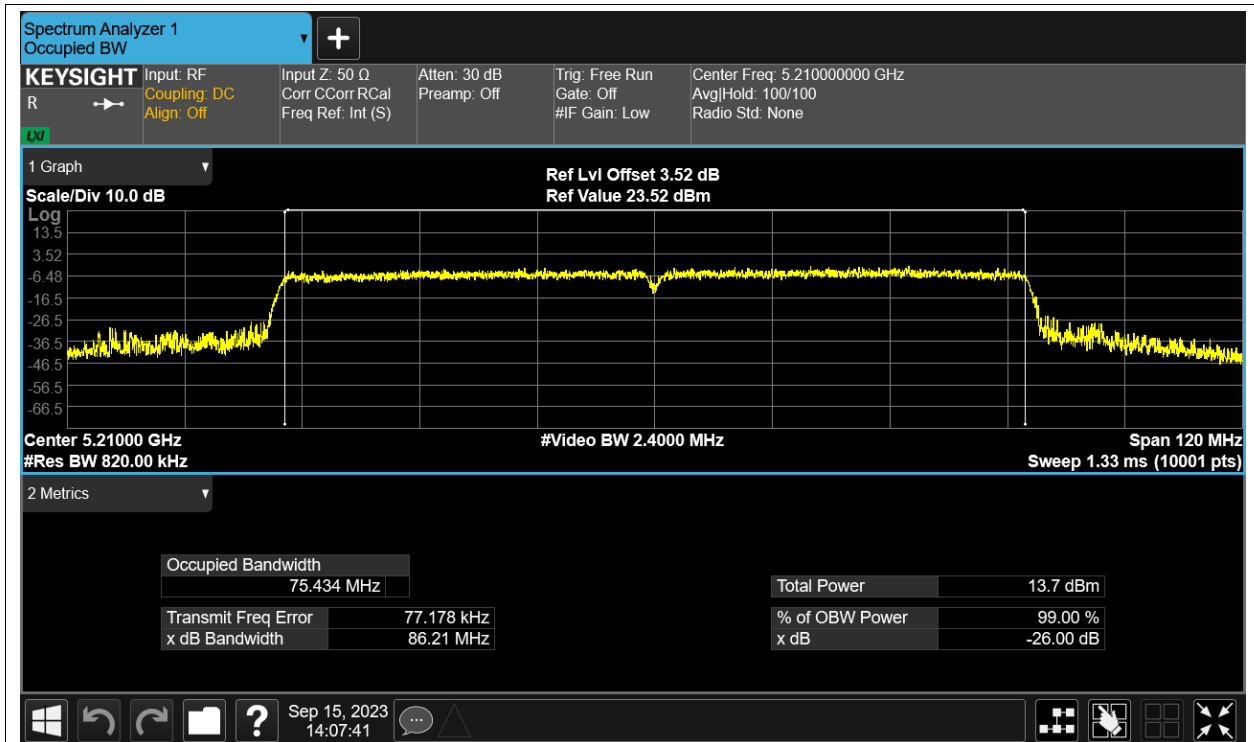
OBW NVNT ac40 5190MHz Ant1



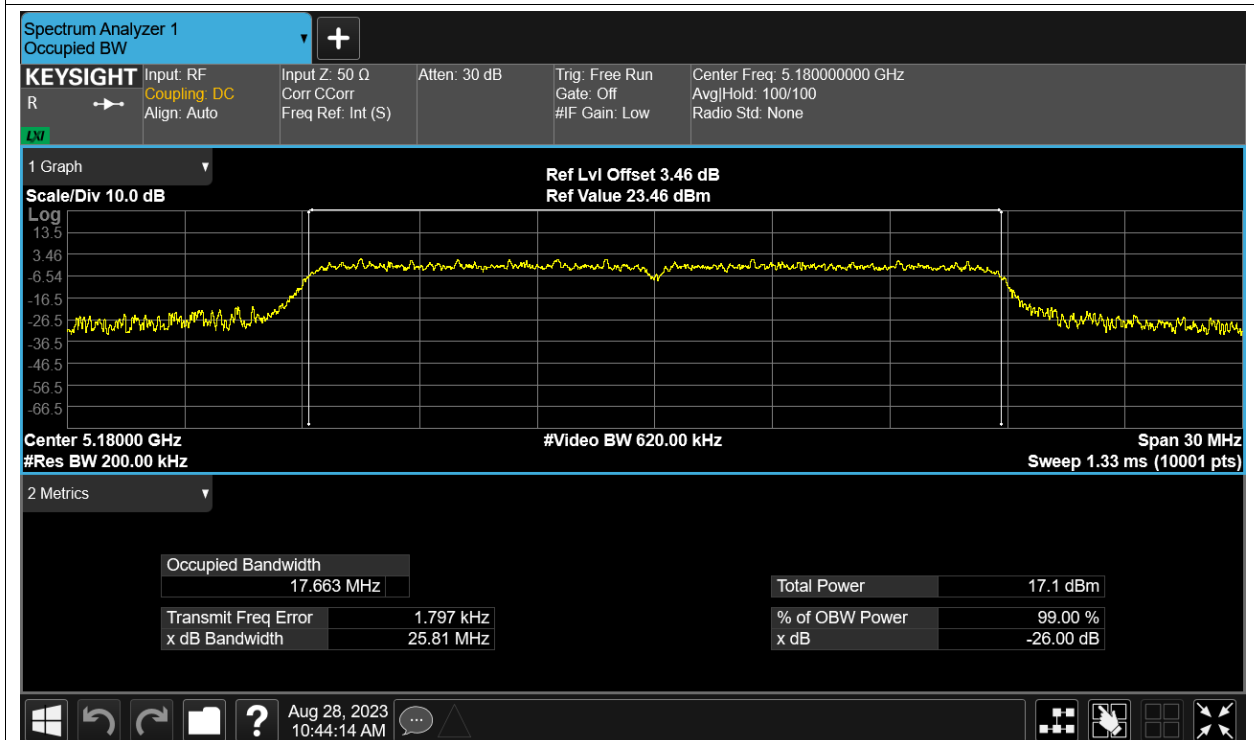
OBW NVNT ac40 5230MHz Ant1



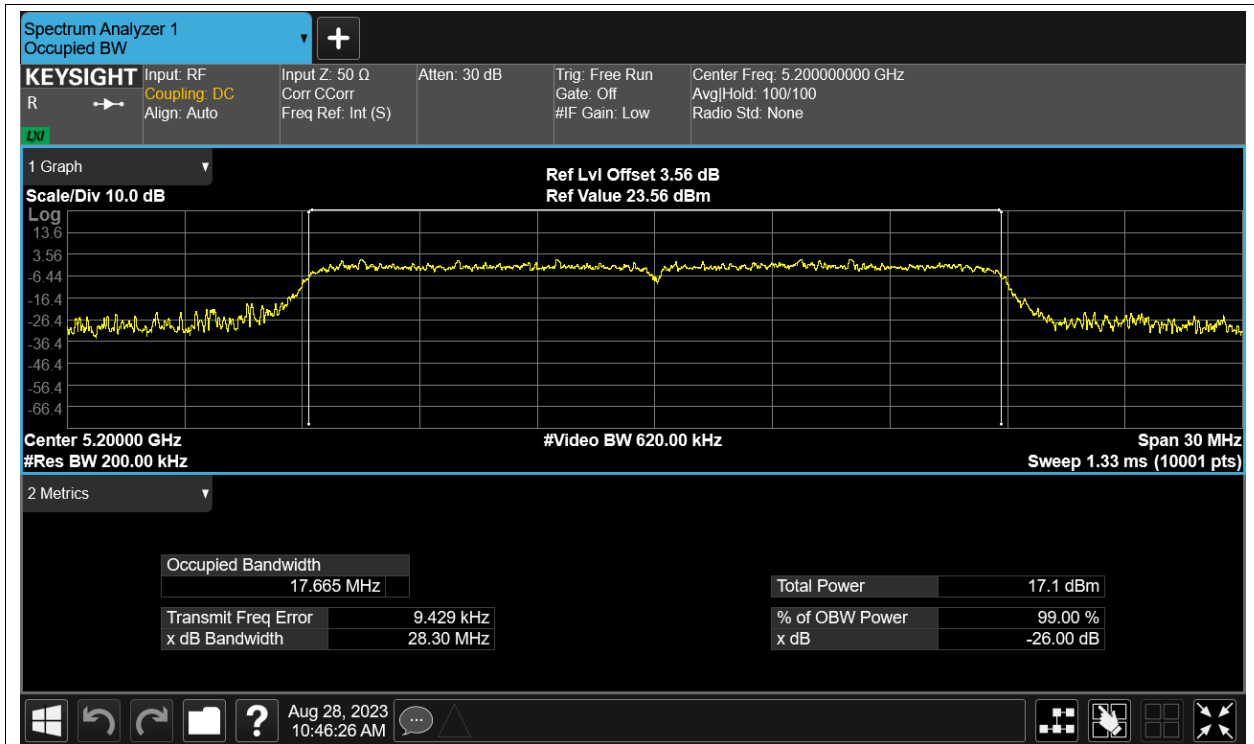
OBW NVNT ac80 5210MHz Ant1



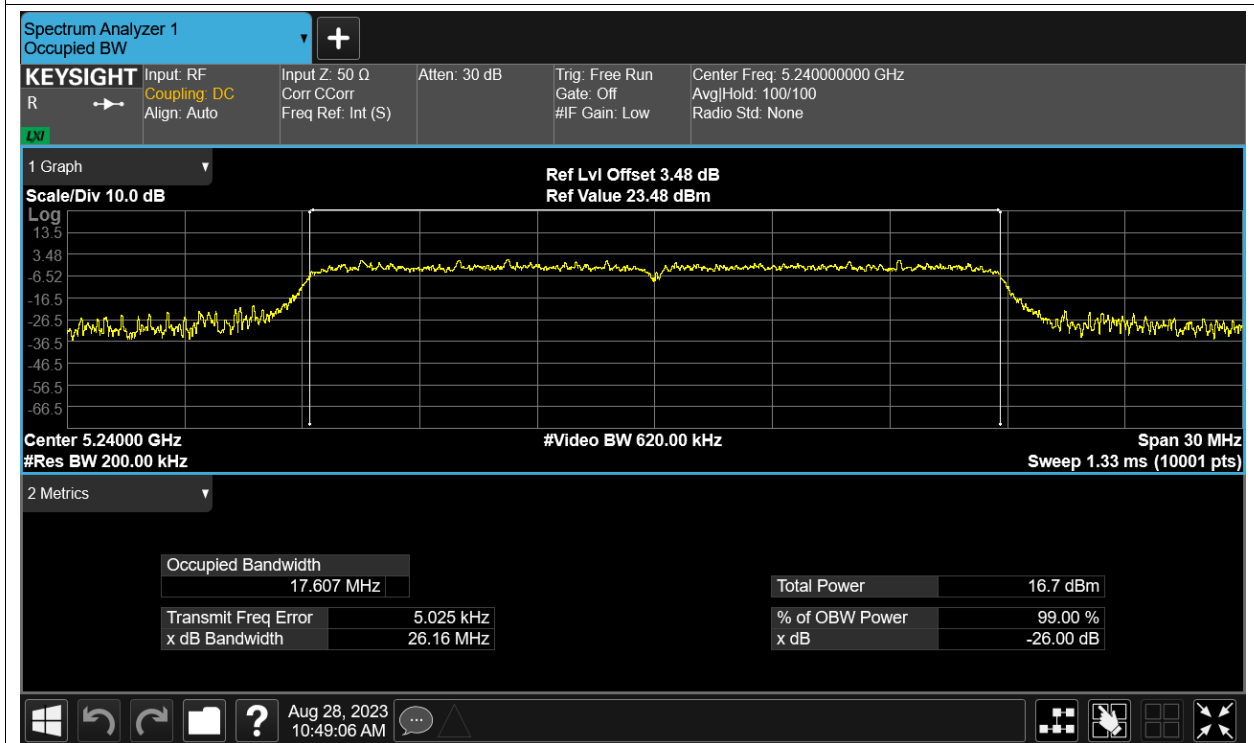
OBW NVNT n20 5180MHz Ant1



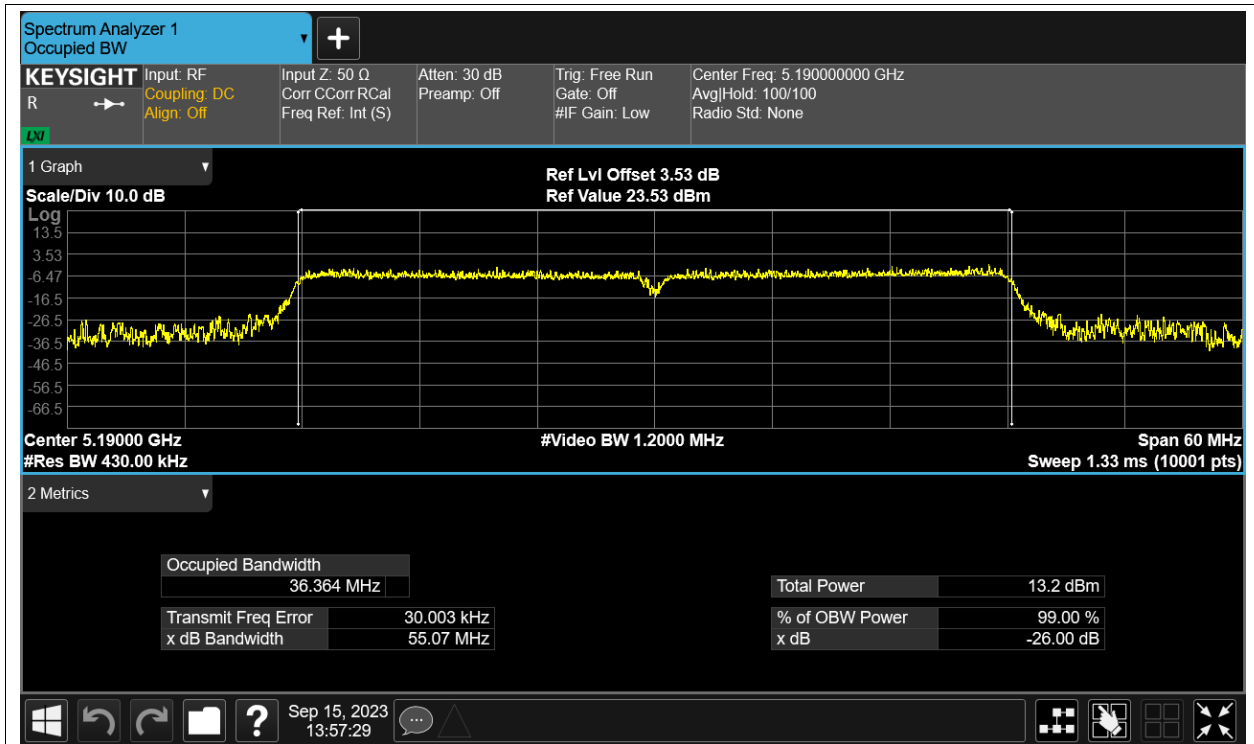
OBW NVNT n20 5200MHz Ant1



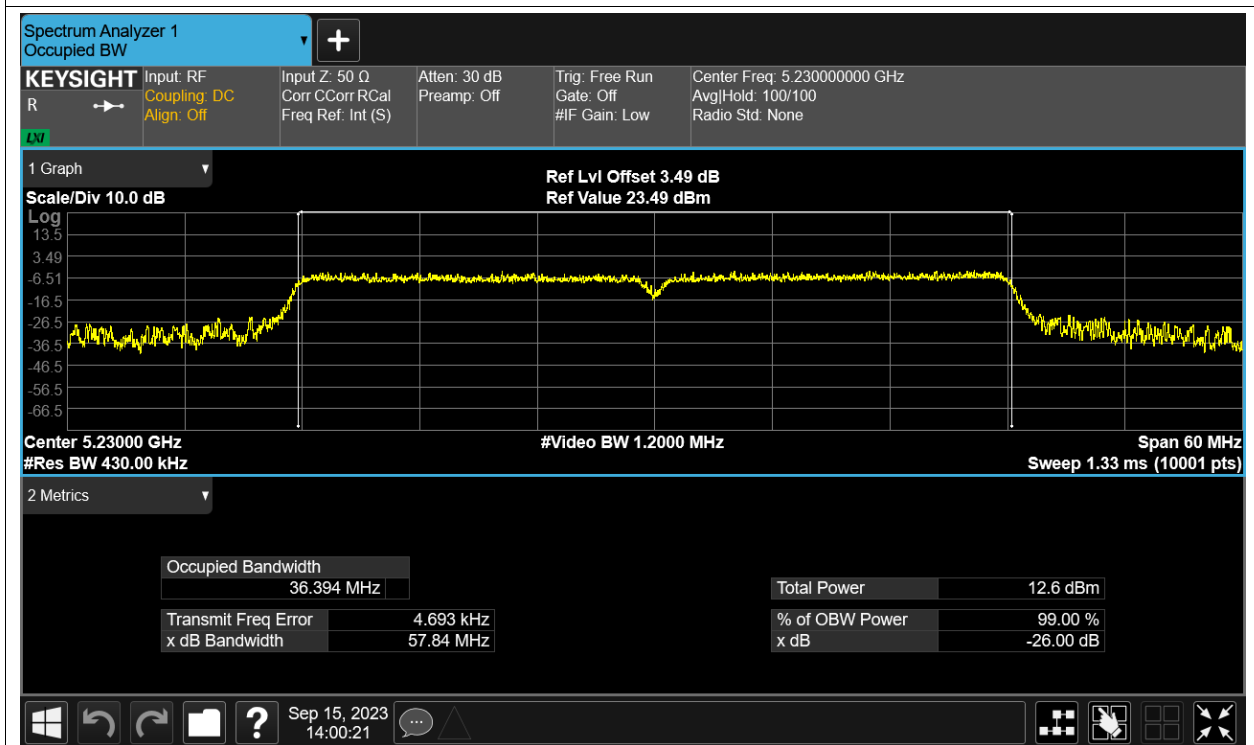
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

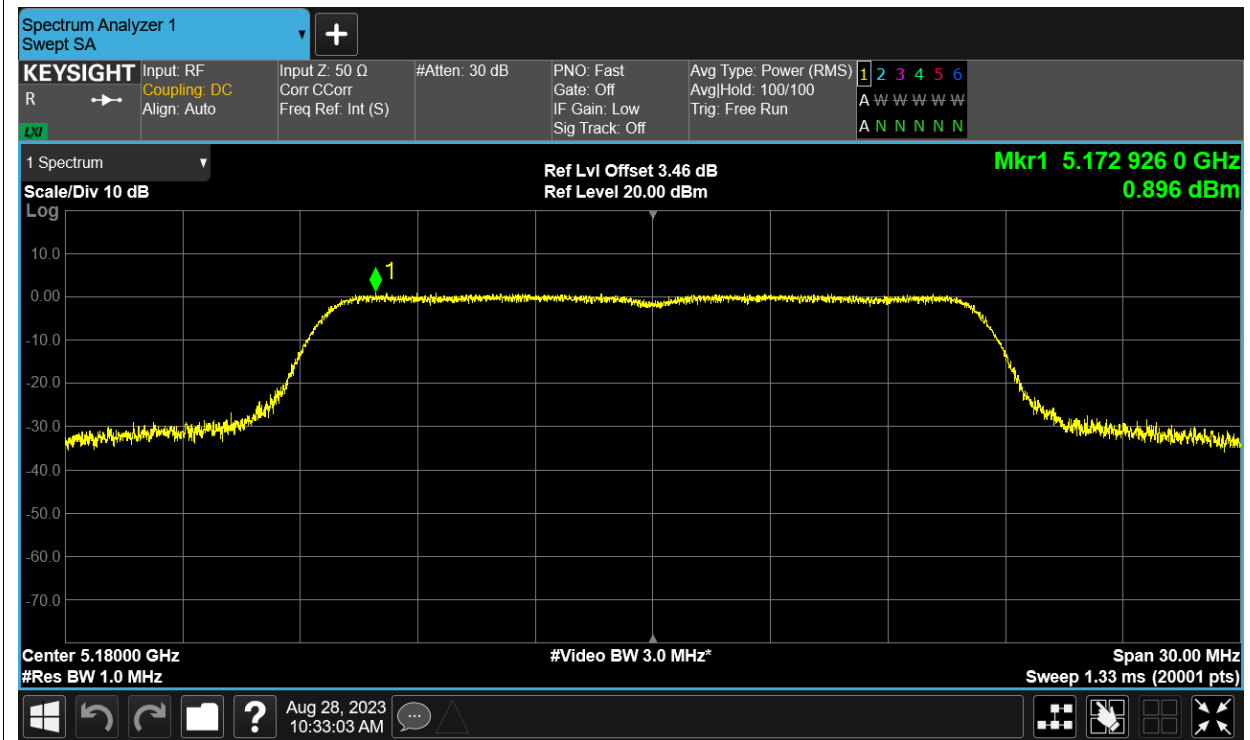


Maximum Power Spectral Density Level

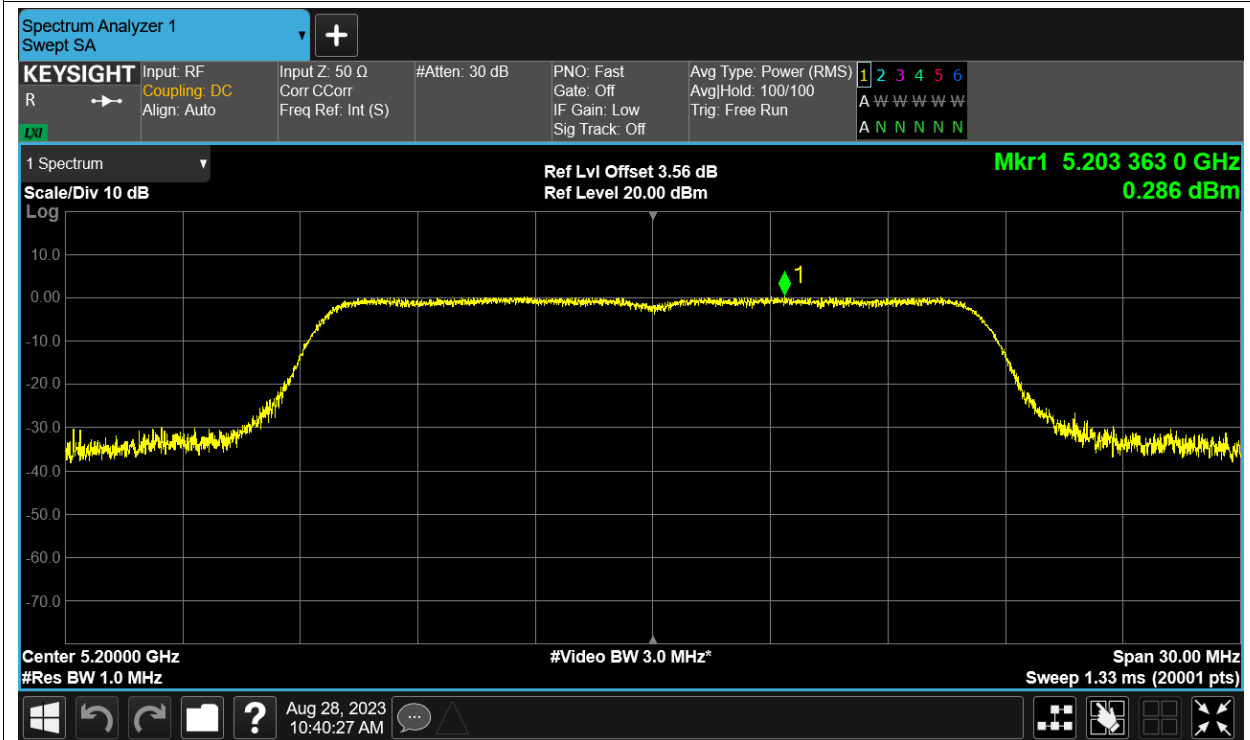
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.896	11	Pass
NVNT	a	5200	Ant1	0.286	11	Pass
NVNT	a	5240	Ant1	0.264	11	Pass
NVNT	ac20	5180	Ant1	-0.354	11	Pass
NVNT	ac20	5200	Ant1	-0.485	11	Pass
NVNT	ac20	5240	Ant1	-0.927	11	Pass
NVNT	ac40	5190	Ant1	-6.172	11	Pass
NVNT	ac40	5230	Ant1	-6.575	11	Pass
NVNT	ac80	5210	Ant1	-10.608	11	Pass
NVNT	n20	5180	Ant1	0.227	11	Pass
NVNT	n20	5200	Ant1	0.495	11	Pass
NVNT	n20	5240	Ant1	0.243	11	Pass
NVNT	n40	5190	Ant1	-6.202	11	Pass
NVNT	n40	5230	Ant1	-6.87	11	Pass

Test Graphs

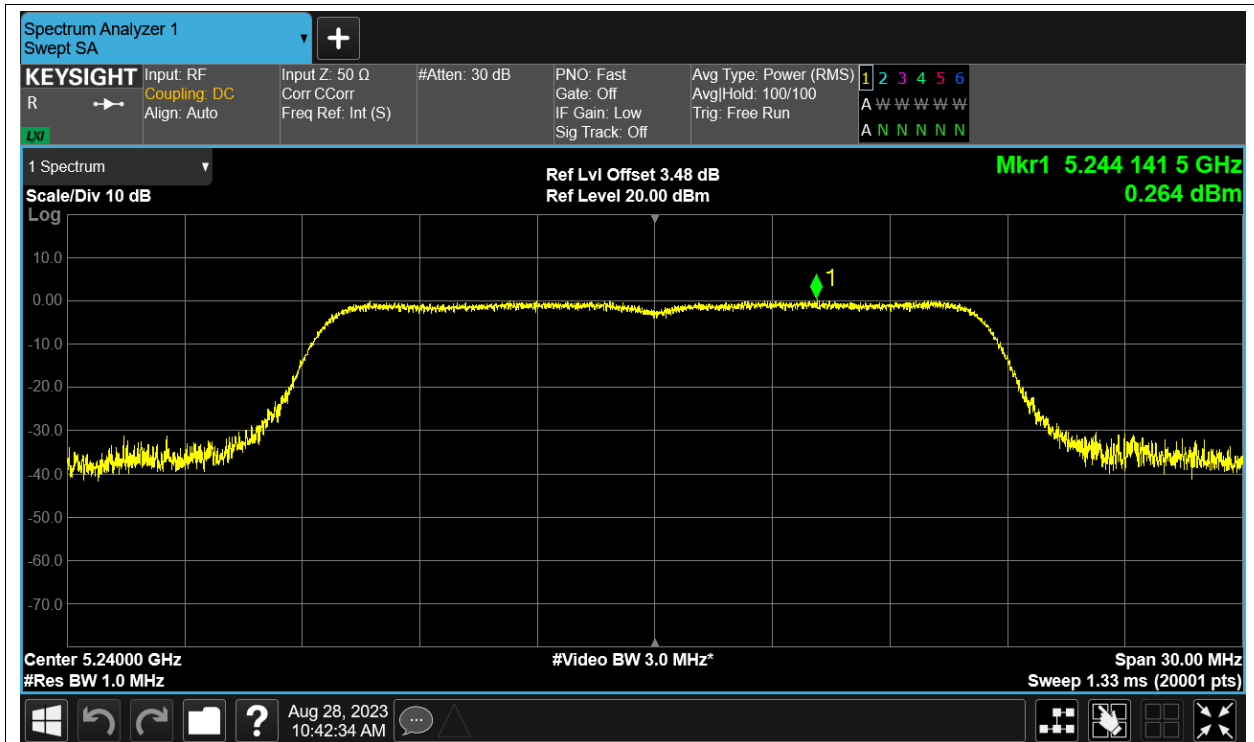
PSD NVNT a 5180MHz Ant1



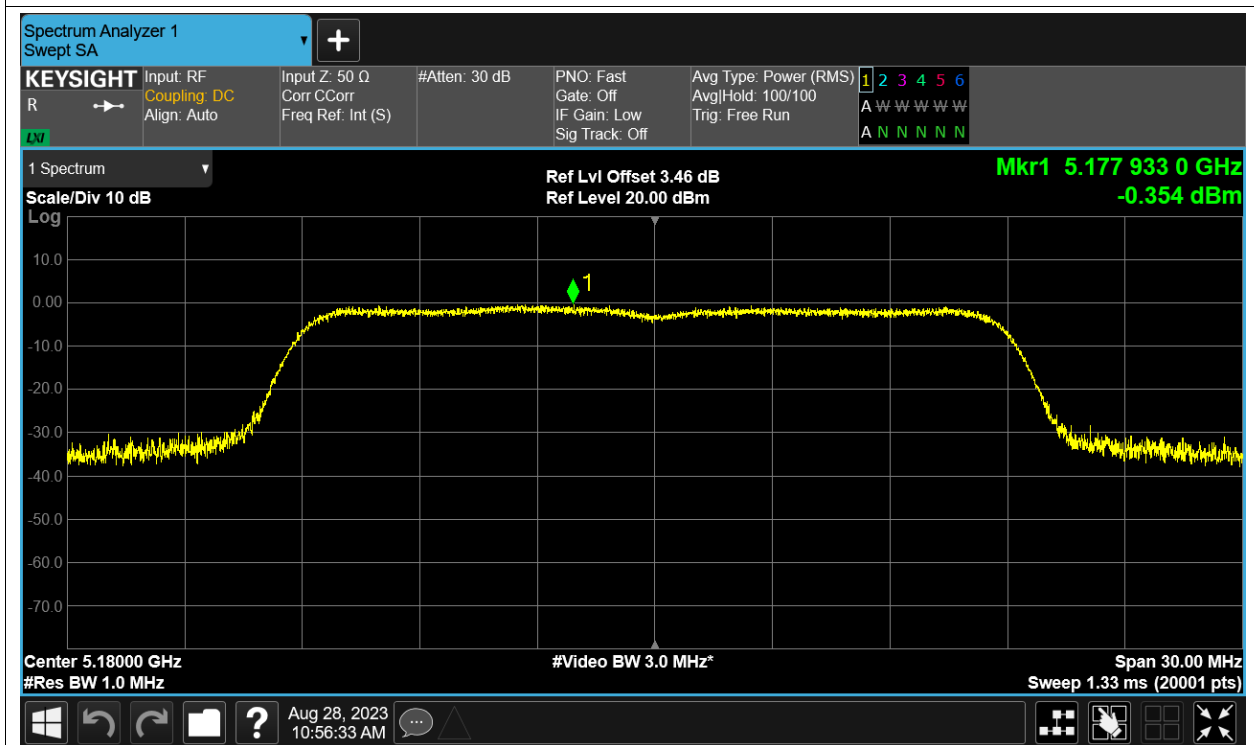
PSD NVNT a 5200MHz Ant1



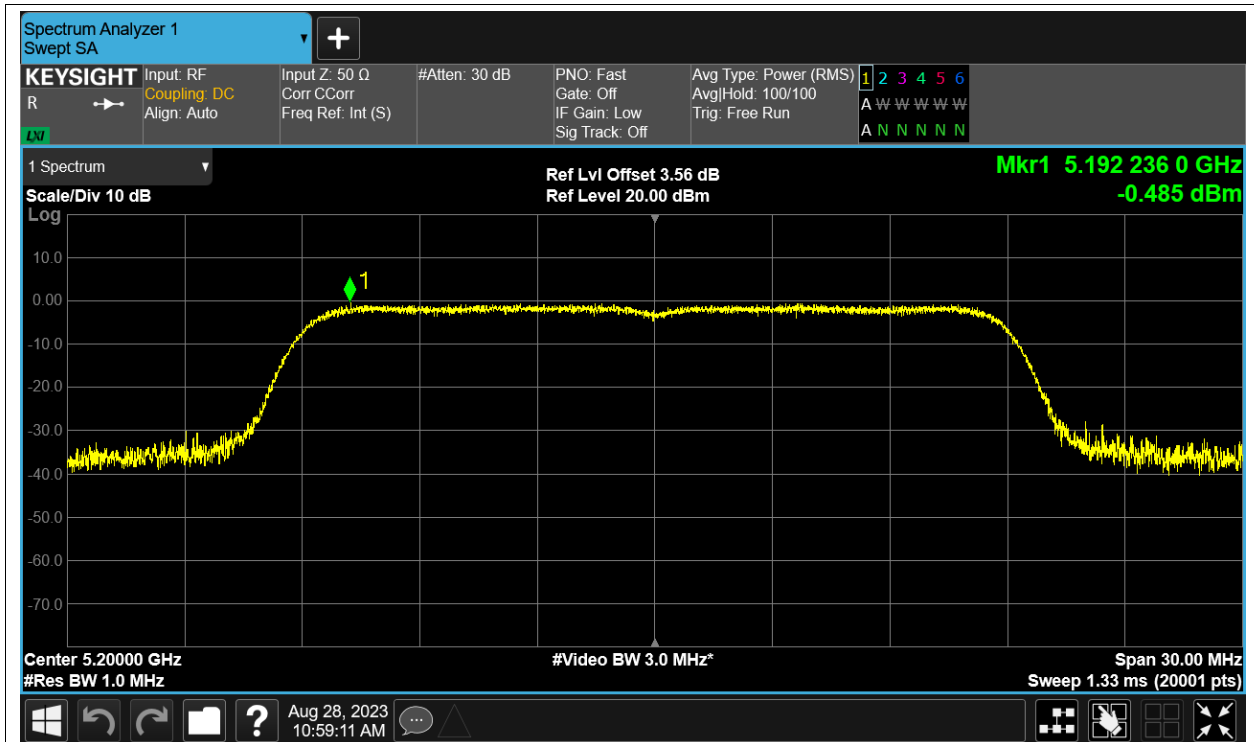
PSD NVNT a 5240MHz Ant1



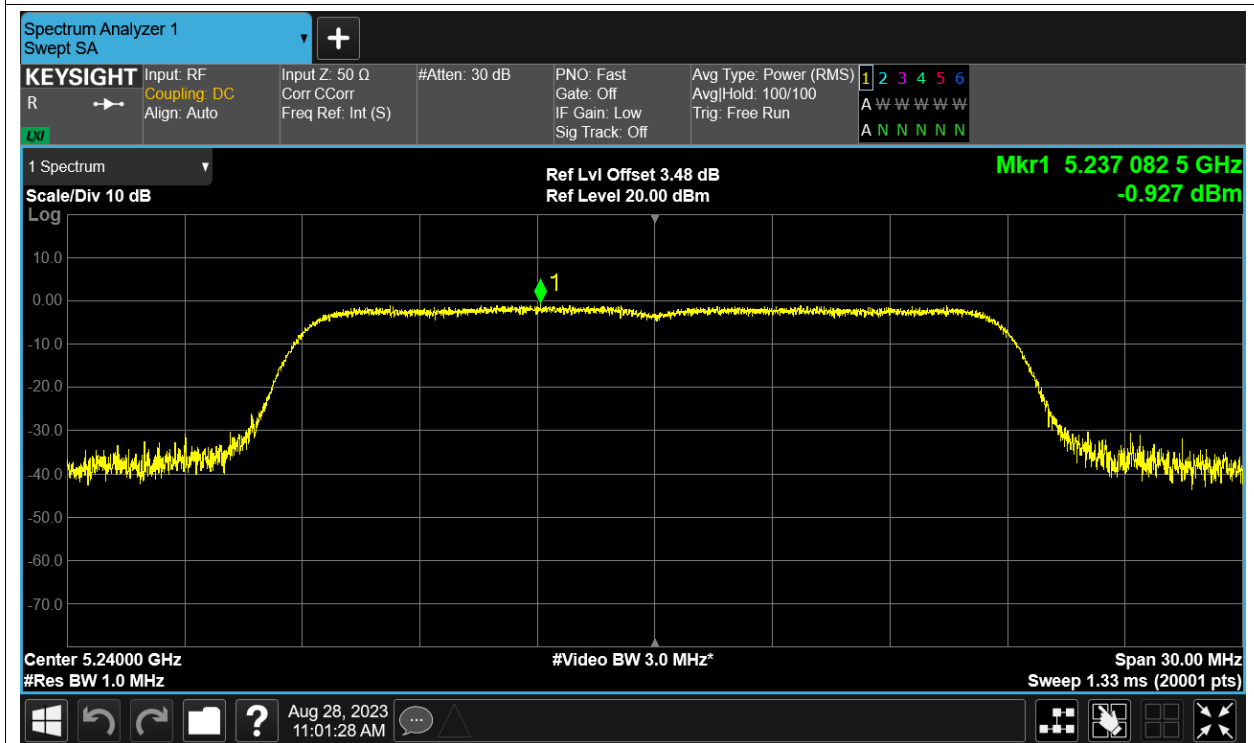
PSD NVNT ac20 5180MHz Ant1



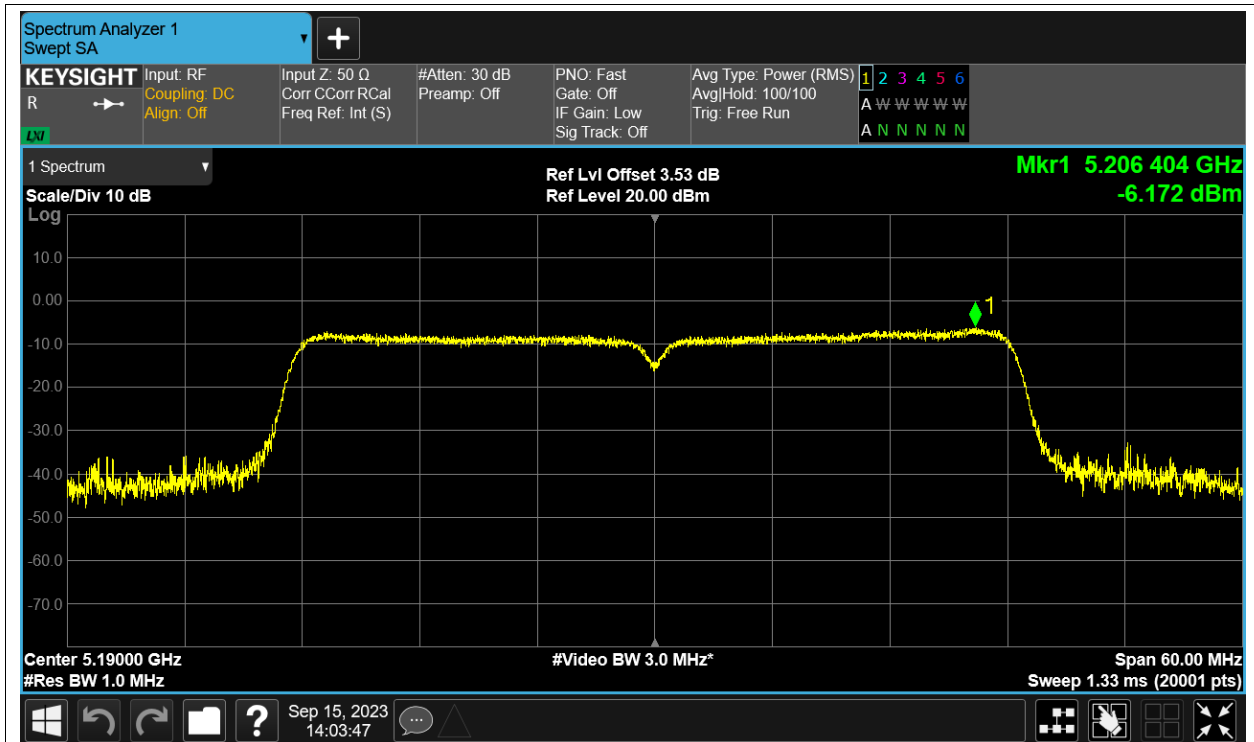
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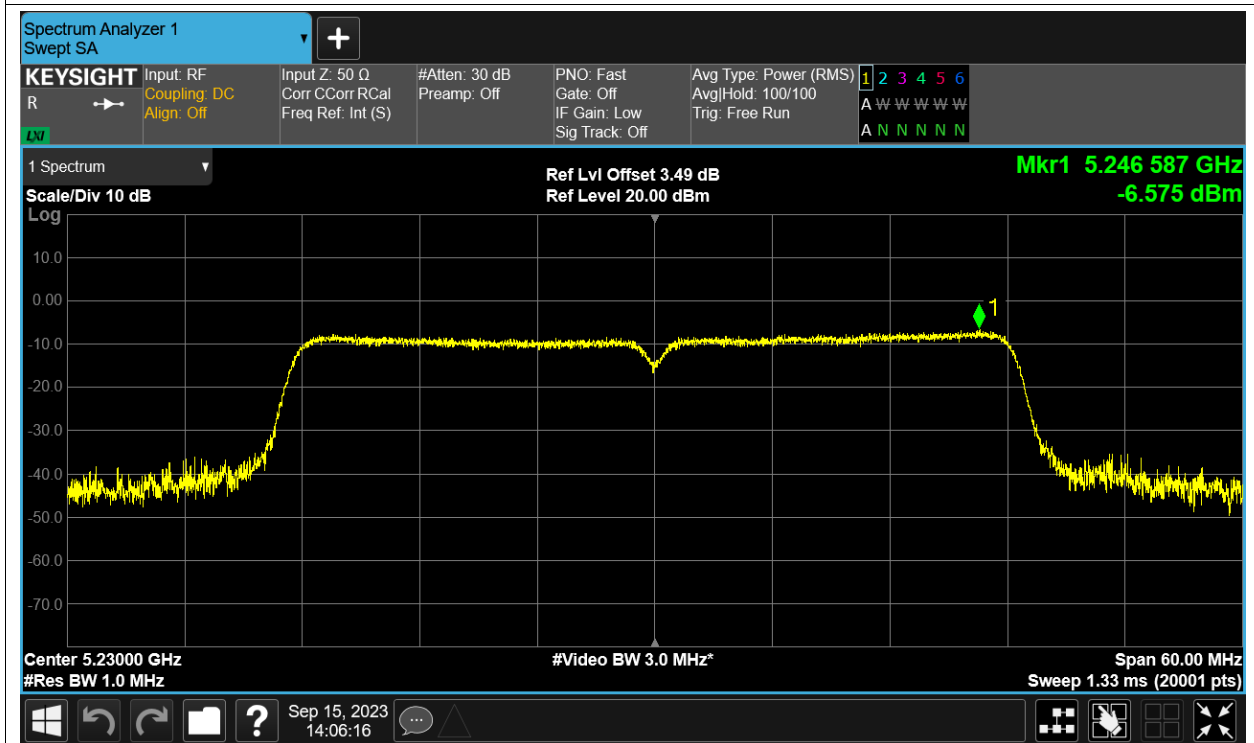
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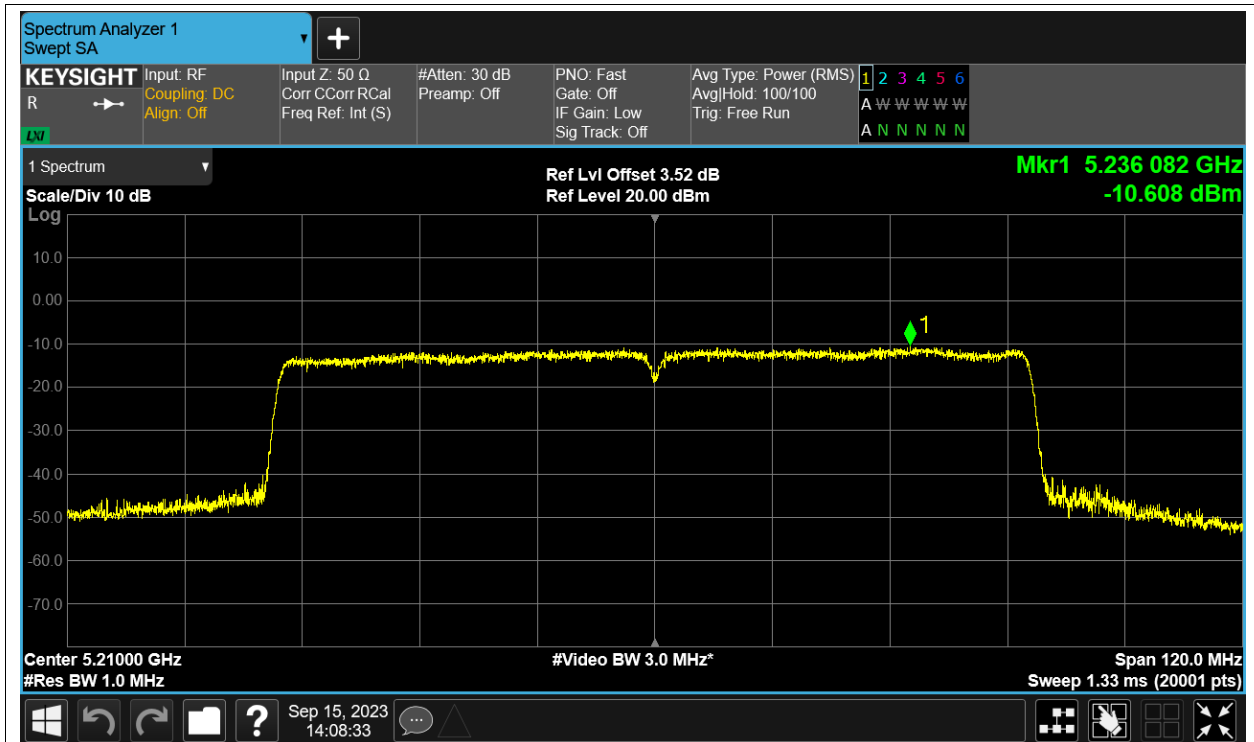
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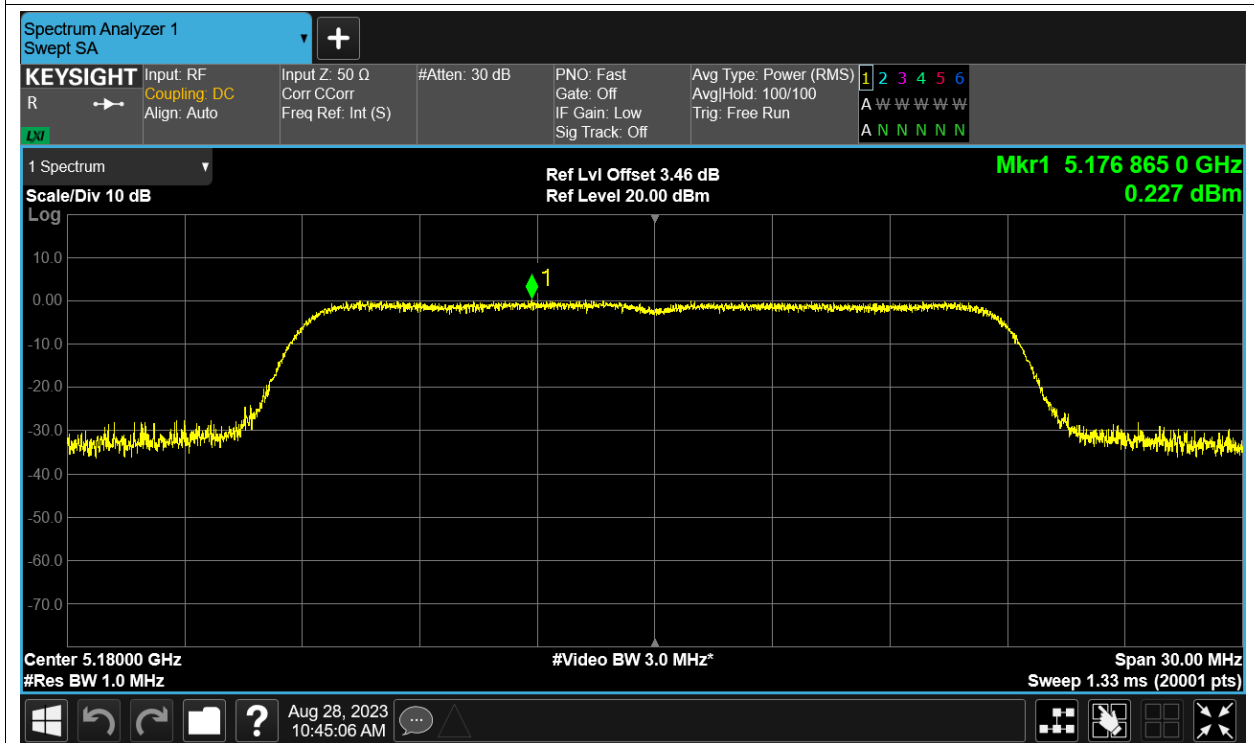
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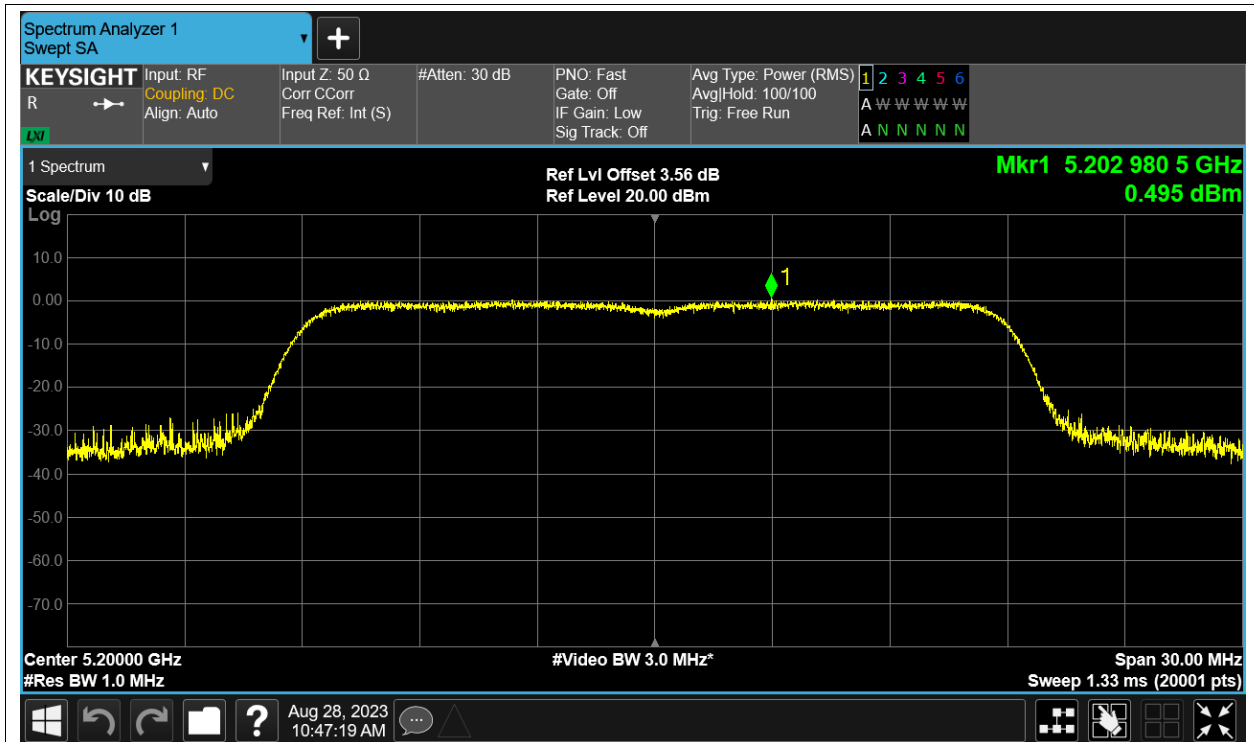
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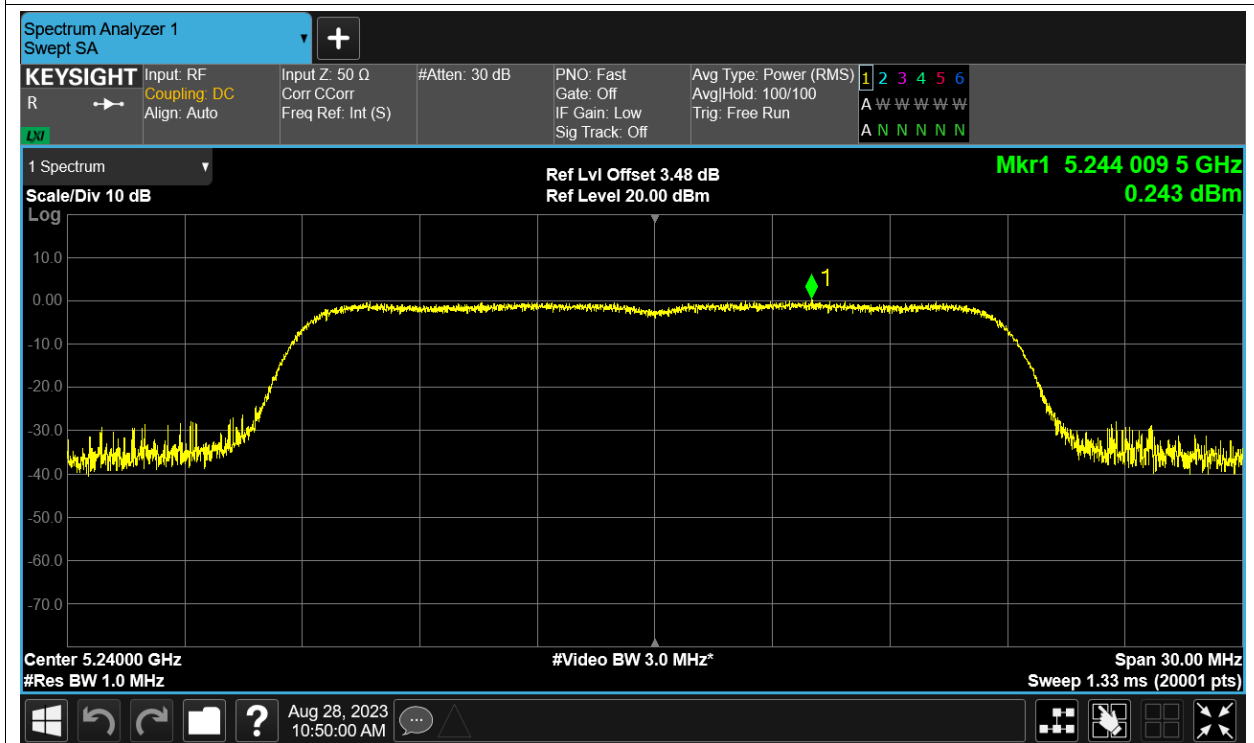
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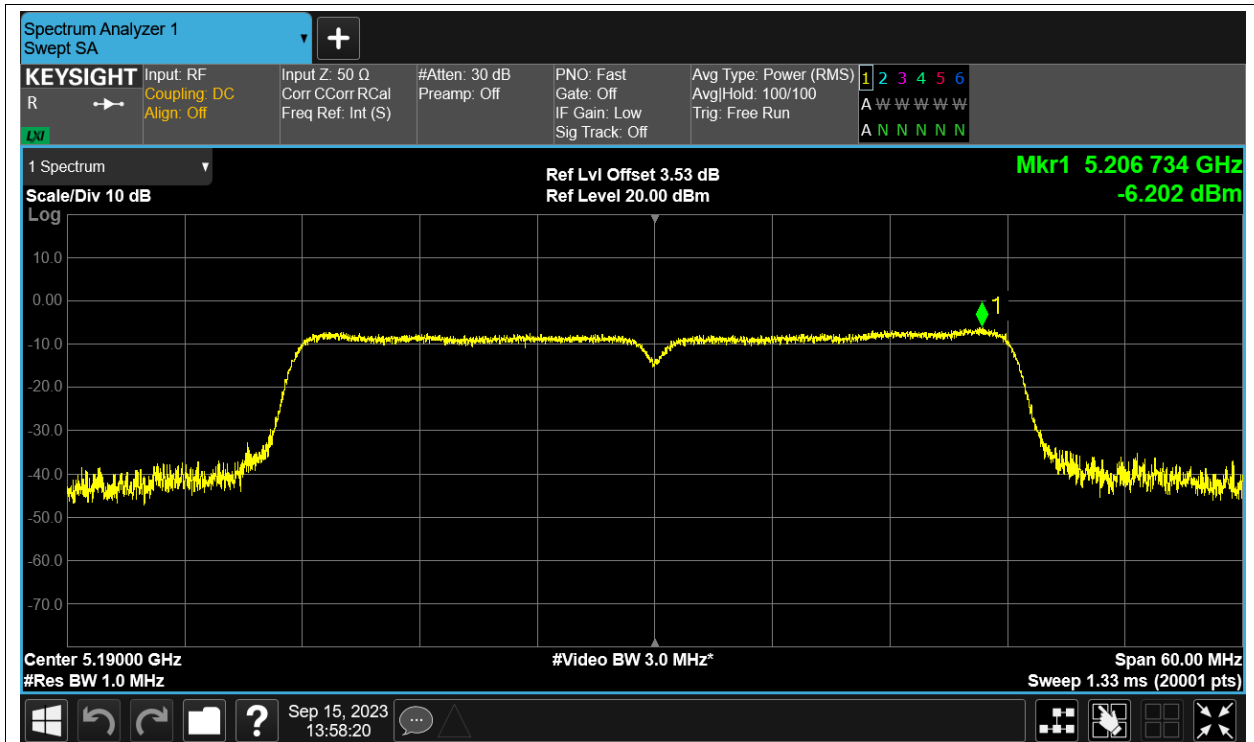
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

