

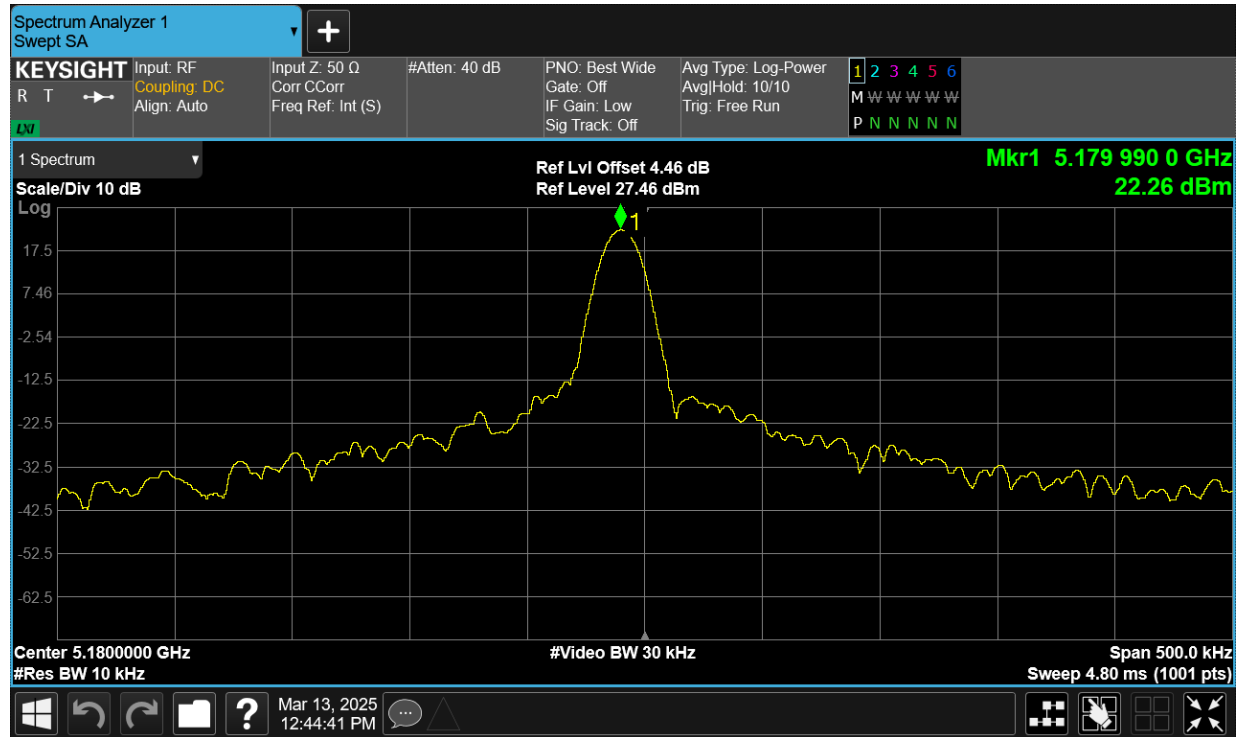
Test Data

Frequency Stability

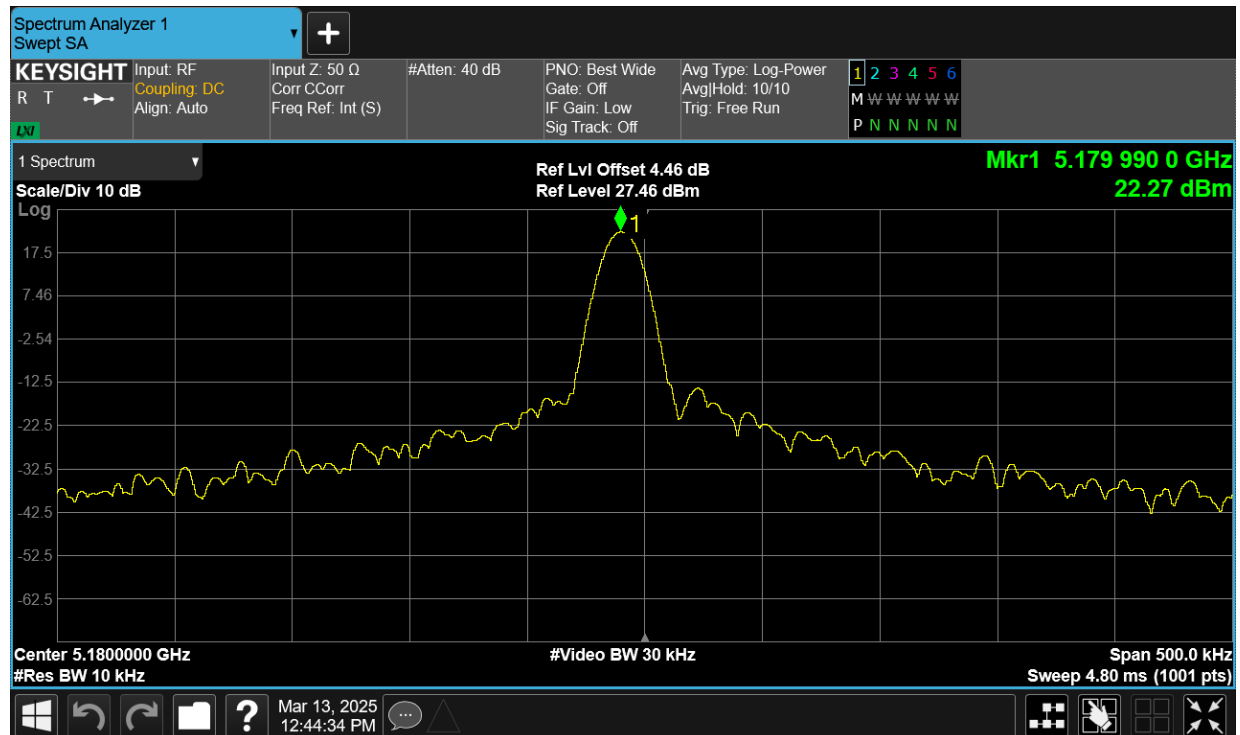
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant3	5179.99	-1.93	Within authorized band	Pass
LVNT	a	5180	Ant3	5179.99	-1.93		Pass
NVHT	a	5180	Ant3	5179.9905	-1.83		Pass
NVLT	a	5180	Ant3	5179.9905	-1.83		Pass
NVNT	a	5180	Ant3	5179.9915	-1.64		Pass
HVNT	ac80	5210	Ant3	5209.9885	-2.21		Pass
LVNT	ac80	5210	Ant3	5209.989	-2.11		Pass
NVHT	ac80	5210	Ant3	5209.989	-2.11		Pass
NVLT	ac80	5210	Ant3	5209.989	-2.11		Pass
NVNT	ac80	5210	Ant3	5209.989780658	-1.96		Pass
HVNT	n40	5190	Ant3	5189.989	-2.12		Pass
LVNT	n40	5190	Ant3	5189.989	-2.12		Pass
NVHT	n40	5190	Ant3	5189.9895	-2.02		Pass
NVLT	n40	5190	Ant3	5189.9895	-2.02		Pass
NVNT	n40	5190	Ant3	5189.99	-1.93		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

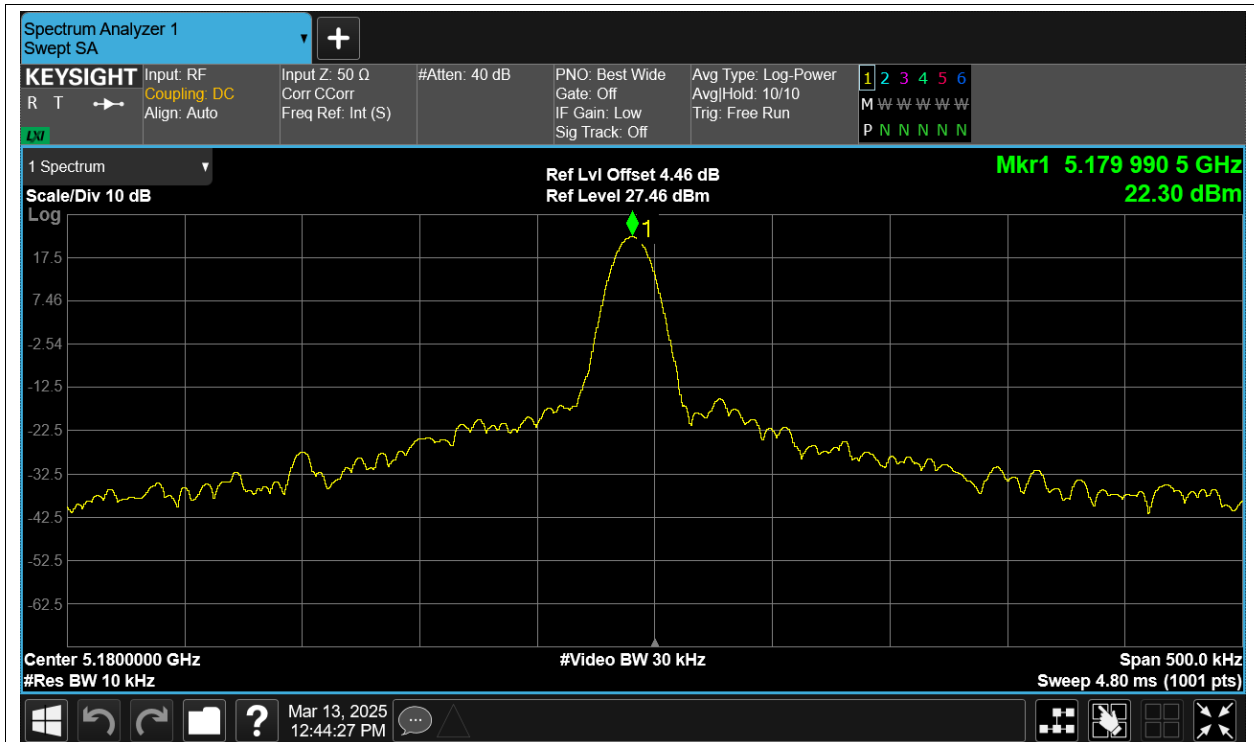
Freq. Stability HVNT a 5180MHz Ant3



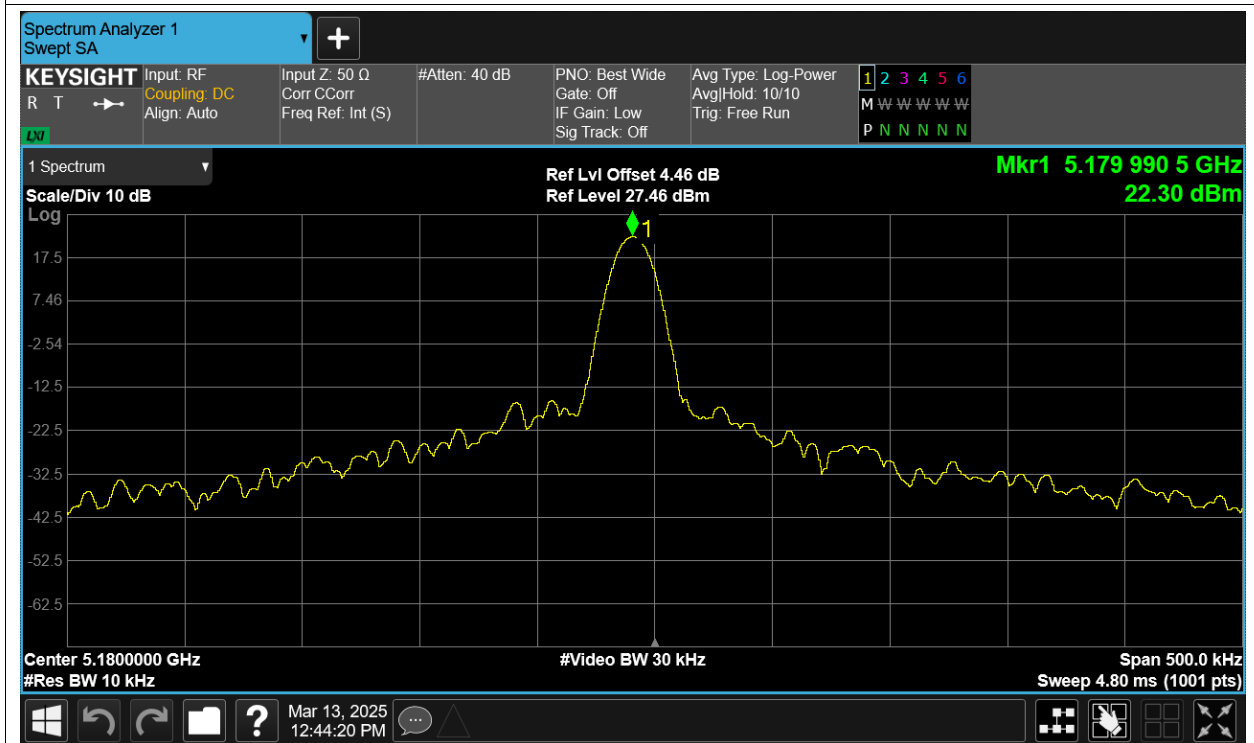
Freq. Stability LVNT a 5180MHz Ant3



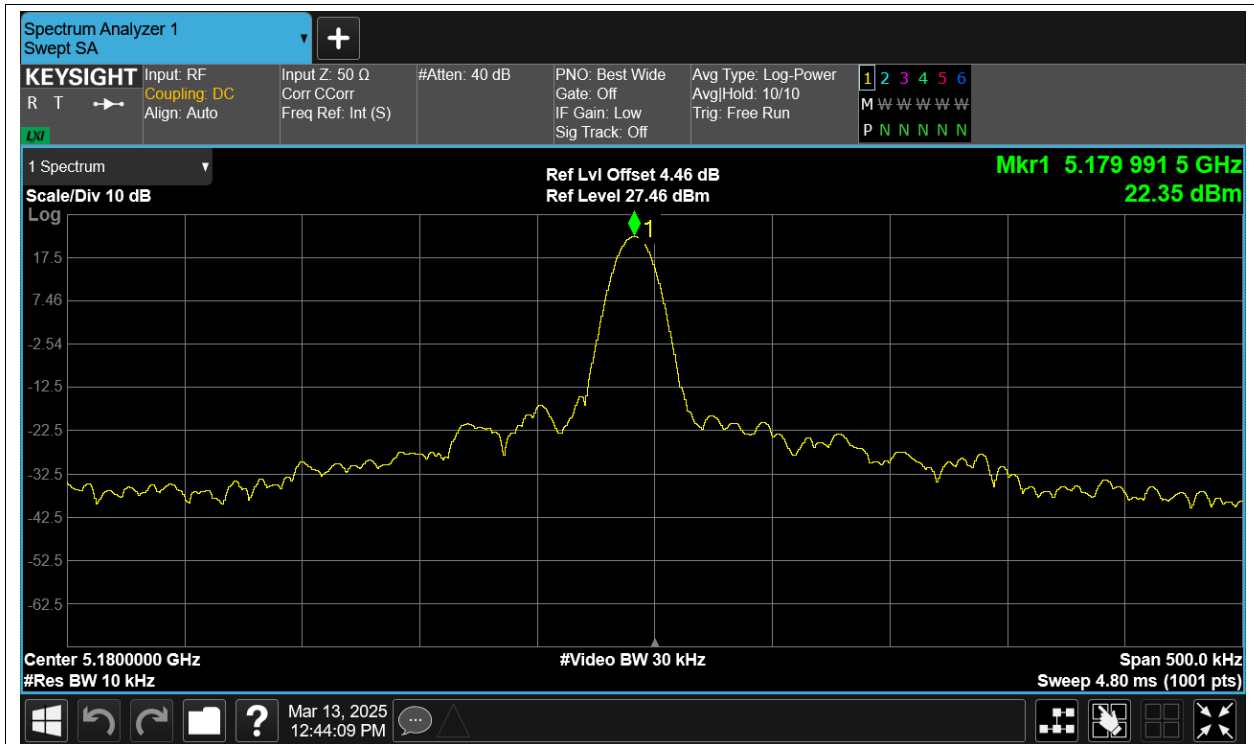
Freq. Stability NVHT a 5180MHz Ant3



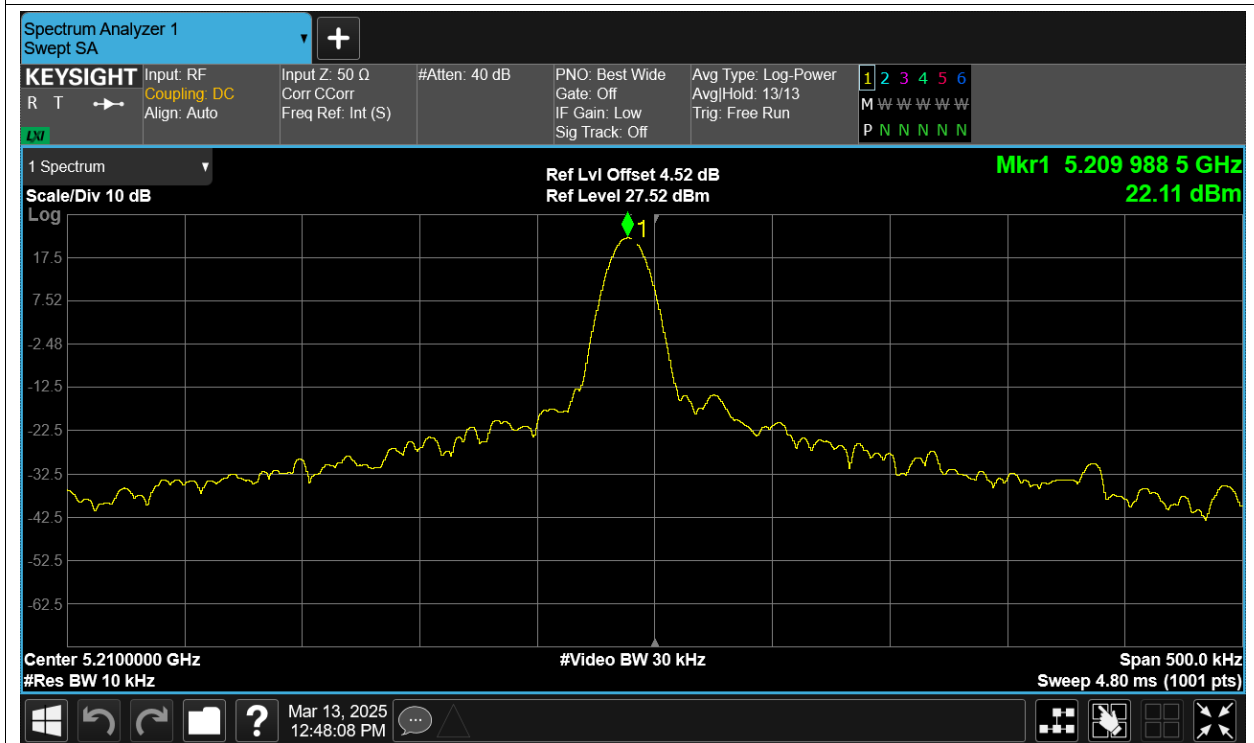
Freq. Stability NVLT a 5180MHz Ant3



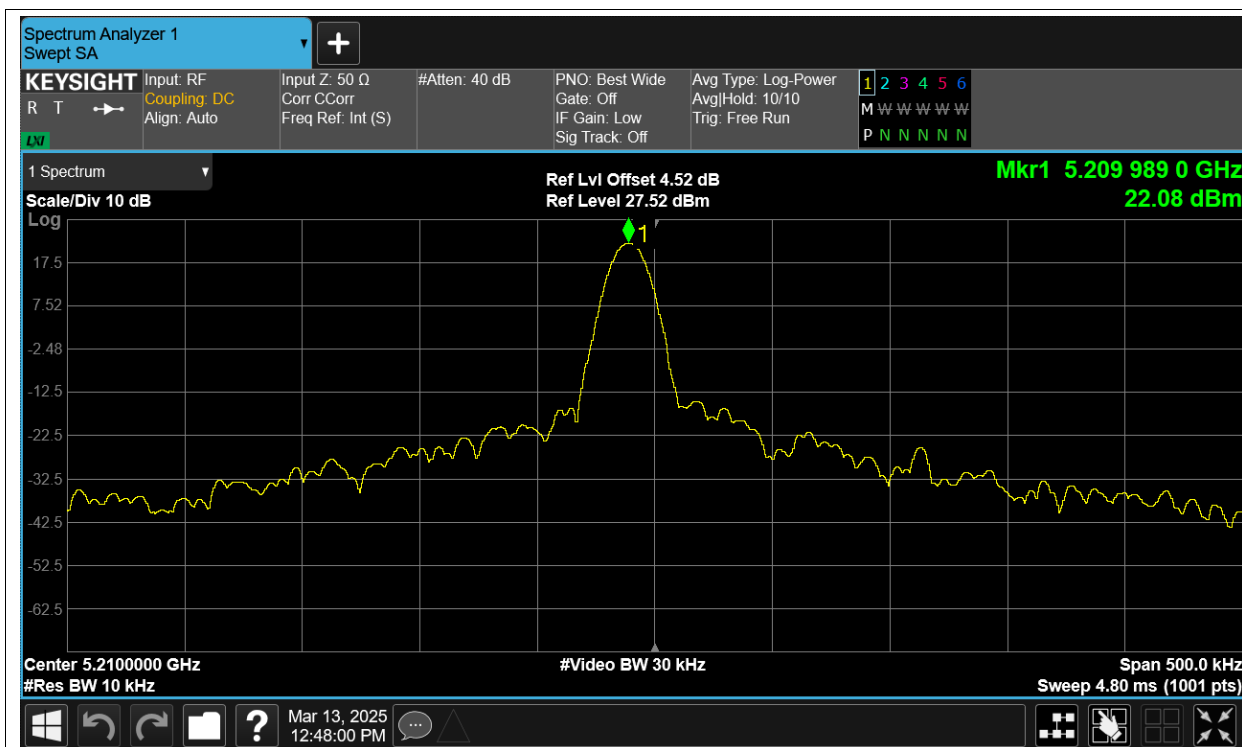
Freq. Stability NVNT a 5180MHz Ant3



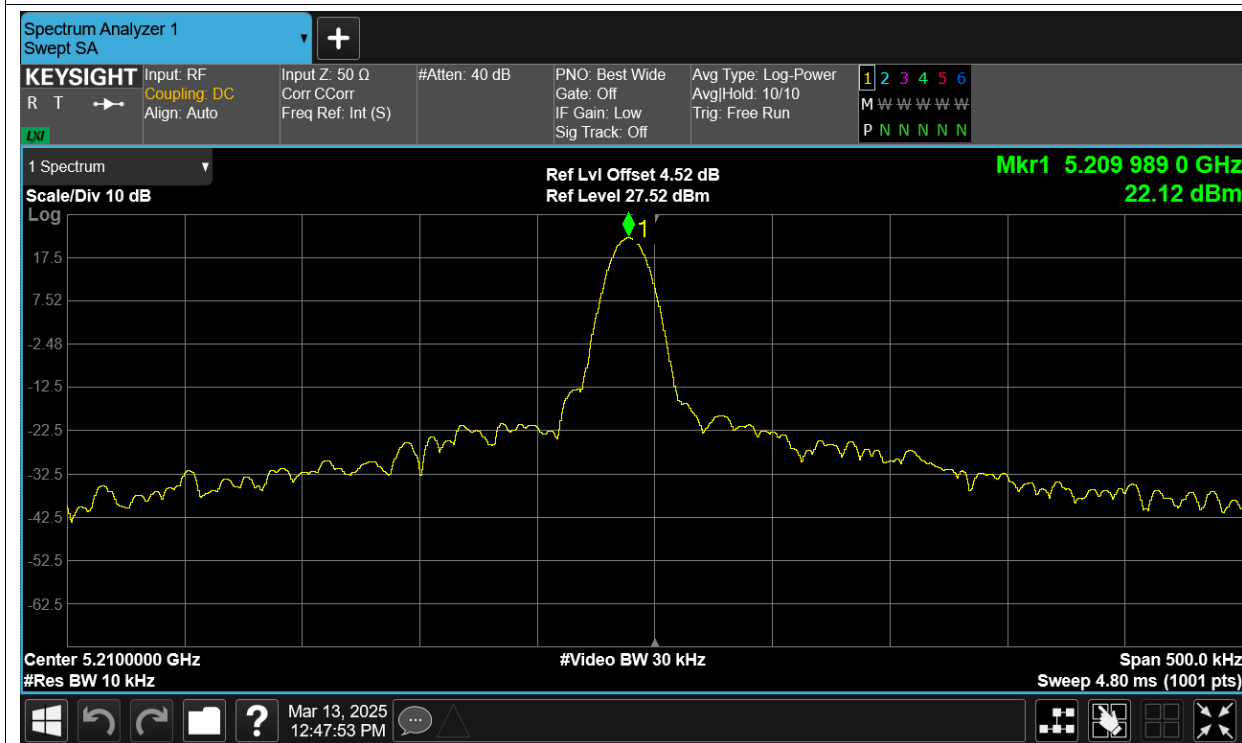
Freq. Stability HVNT ac80 5210MHz Ant3



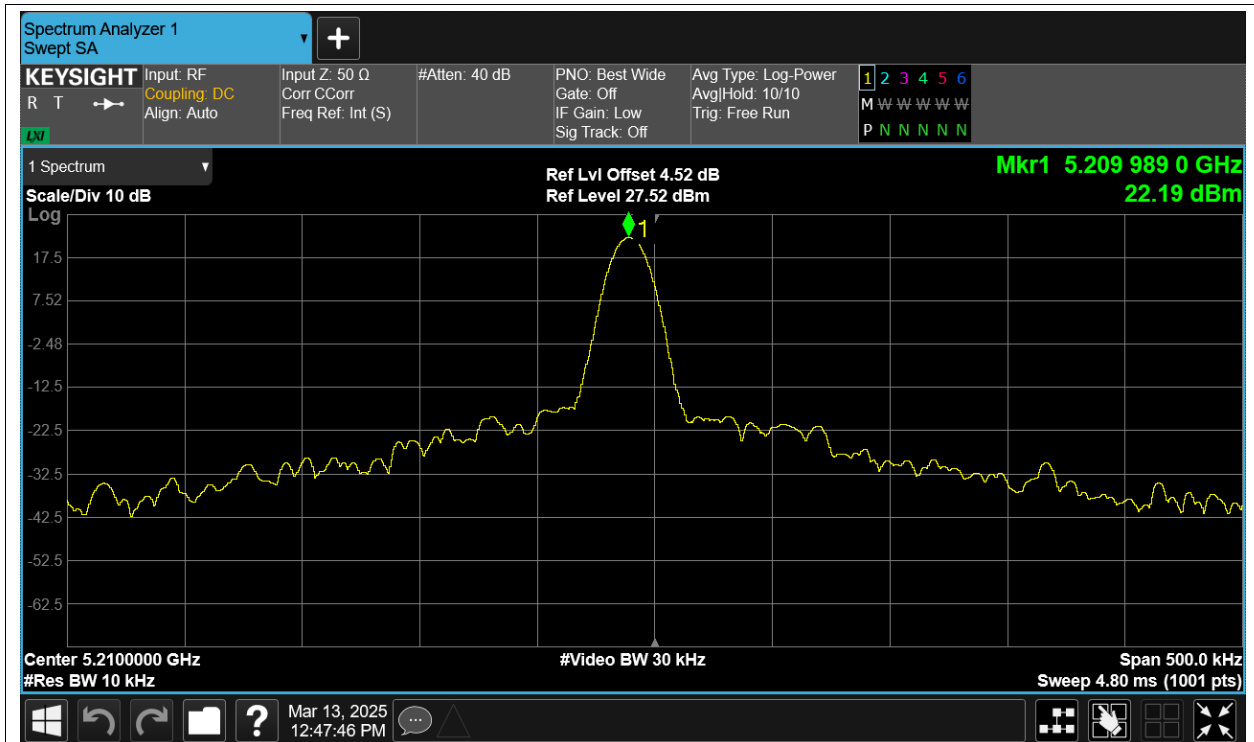
Freq. Stability LVNT ac80 5210MHz Ant3



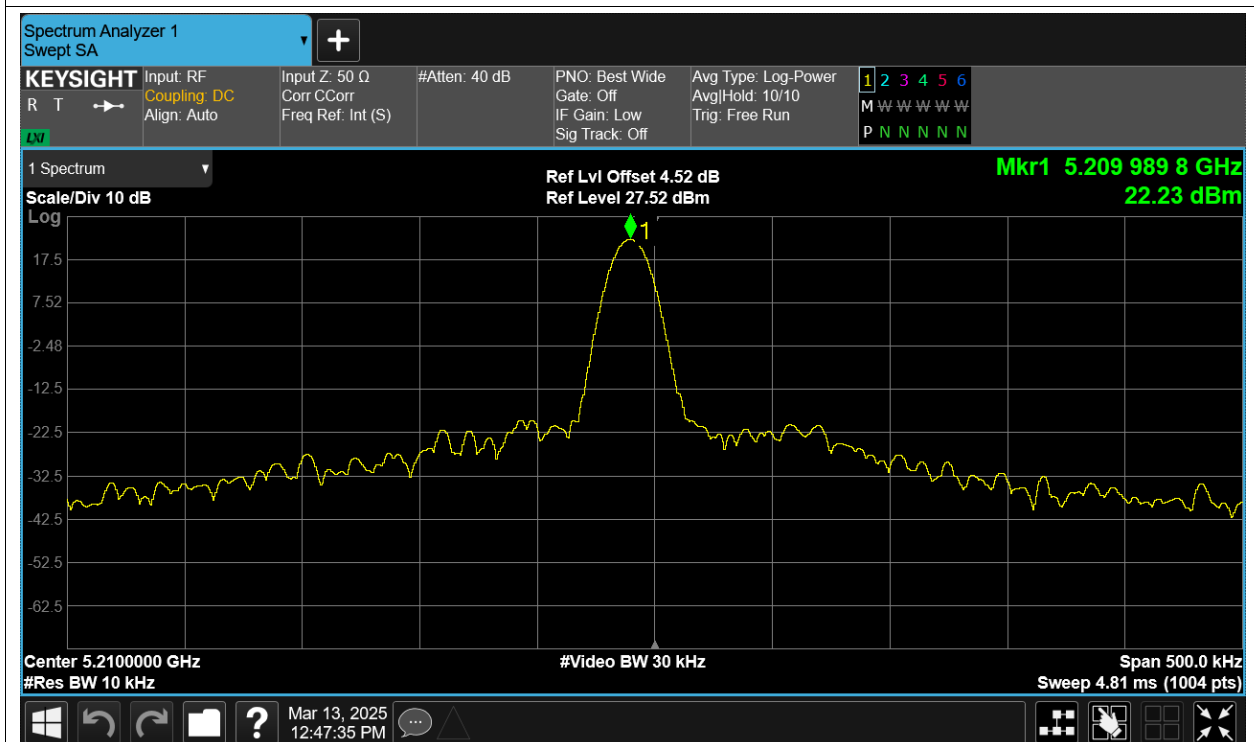
Freq. Stability NVHT ac80 5210MHz Ant3



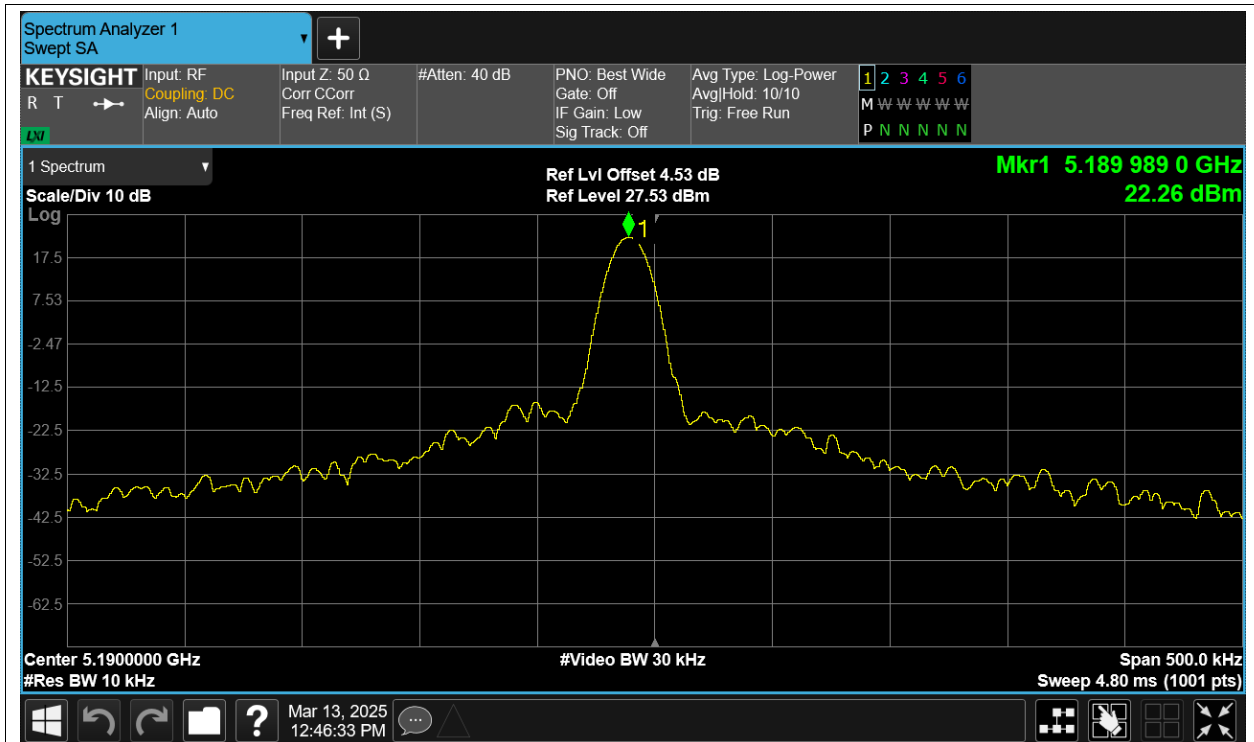
Freq. Stability NVLT ac80 5210MHz Ant3



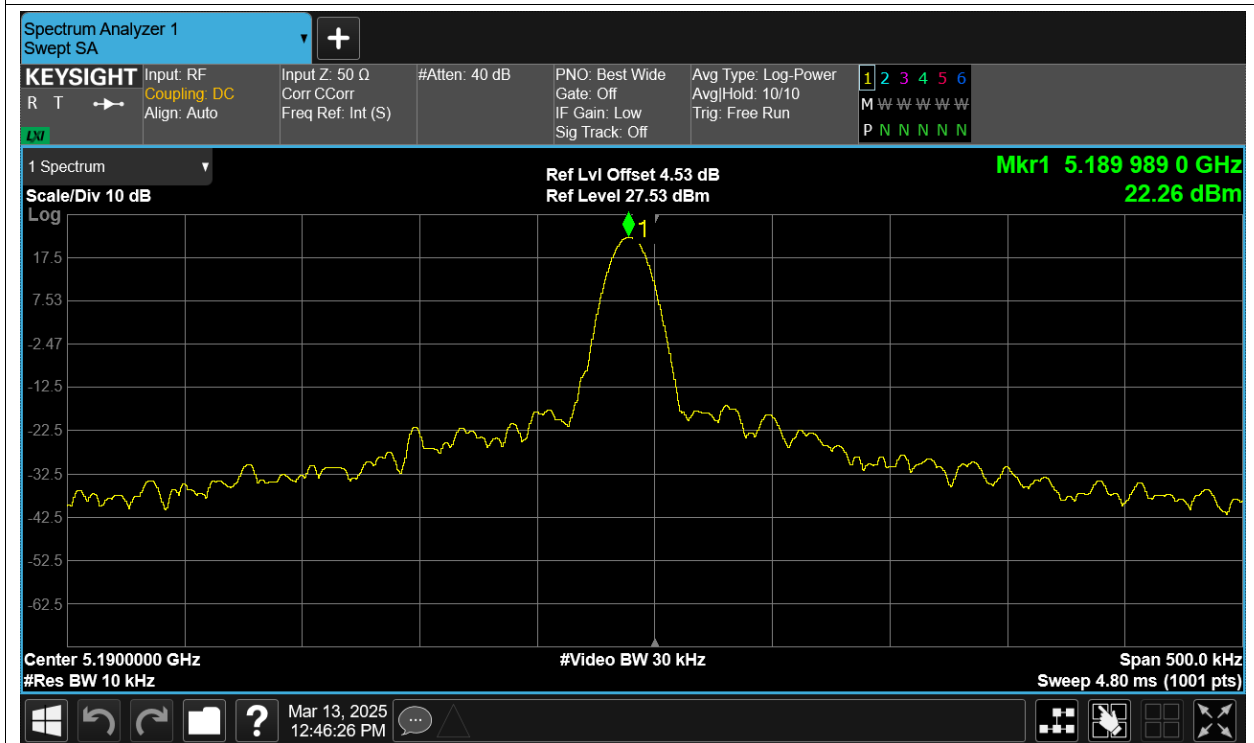
Freq. Stability NVNT ac80 5210MHz Ant3



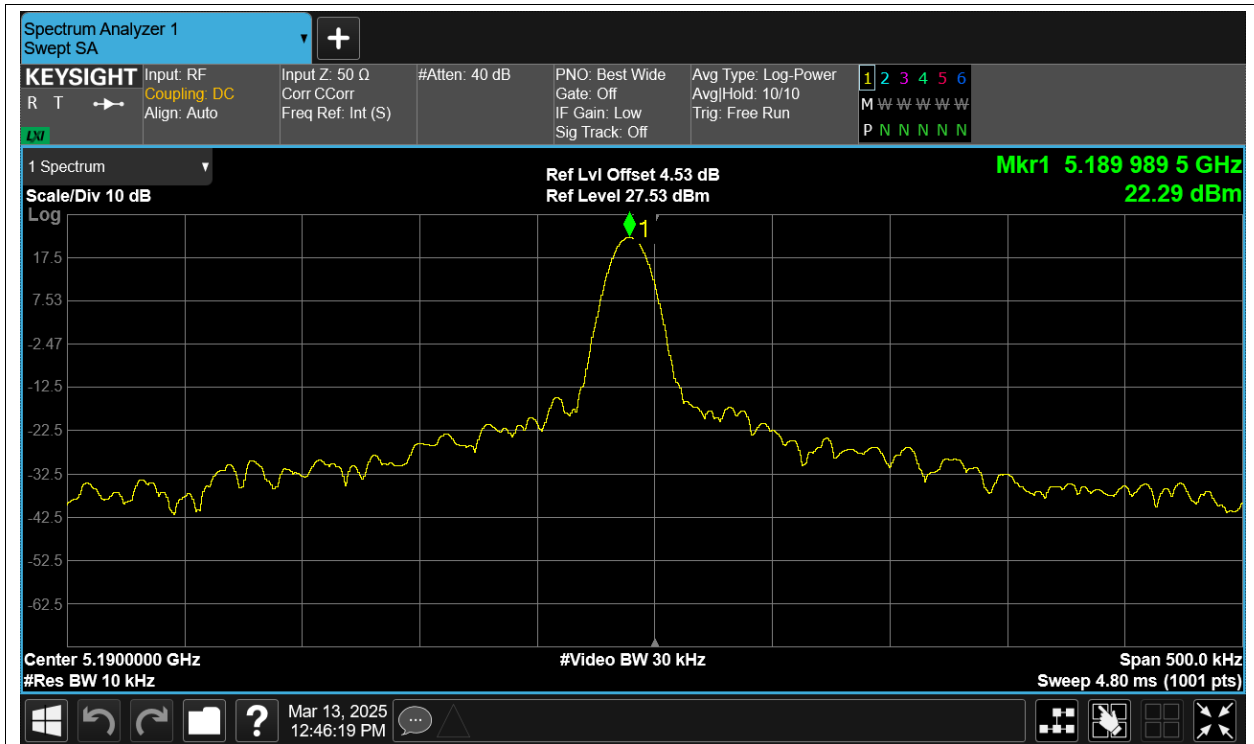
Freq. Stability HVNT n40 5190MHz Ant3



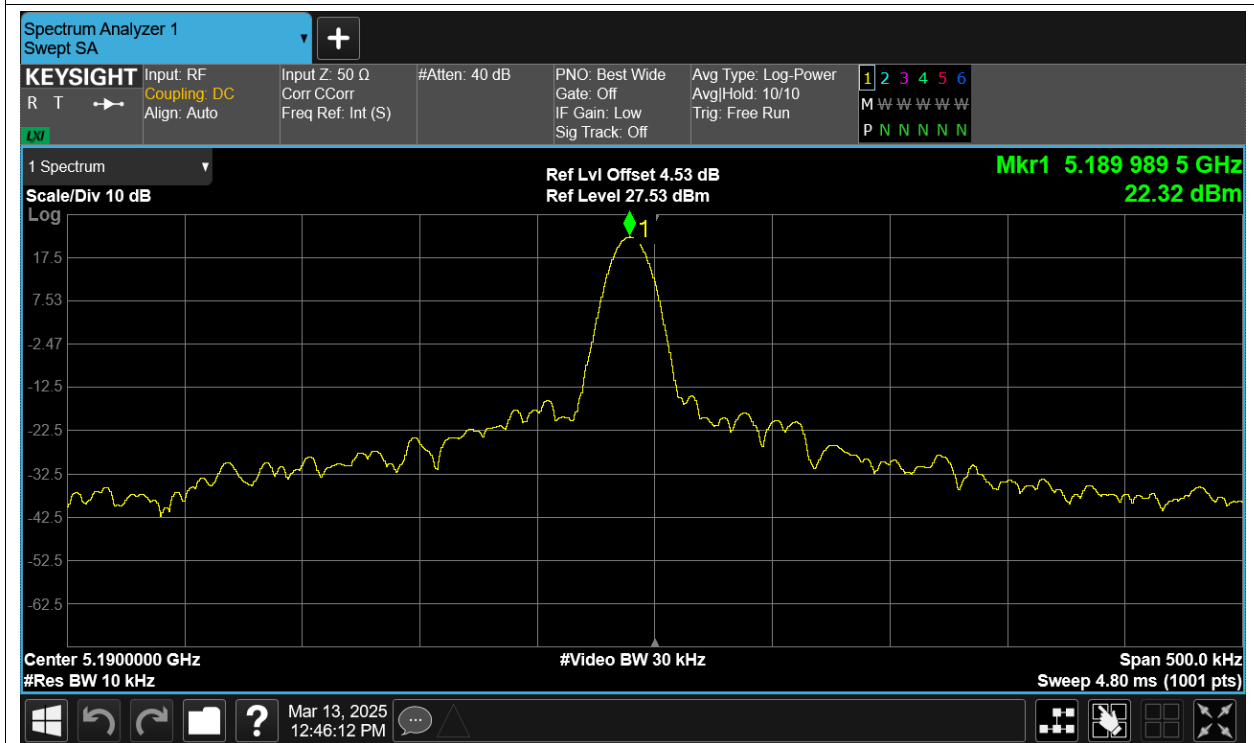
Freq. Stability LVNT n40 5190MHz Ant3



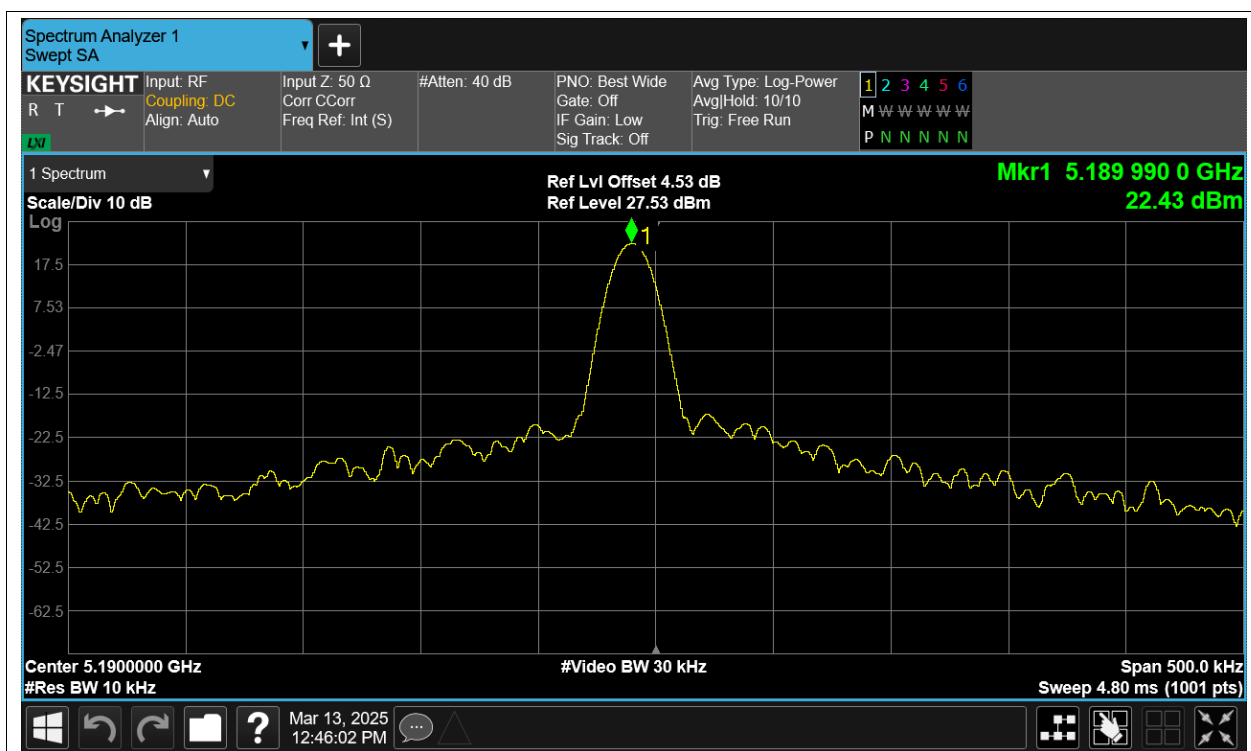
Freq. Stability NVHT n40 5190MHz Ant3



Freq. Stability NVLT n40 5190MHz Ant3

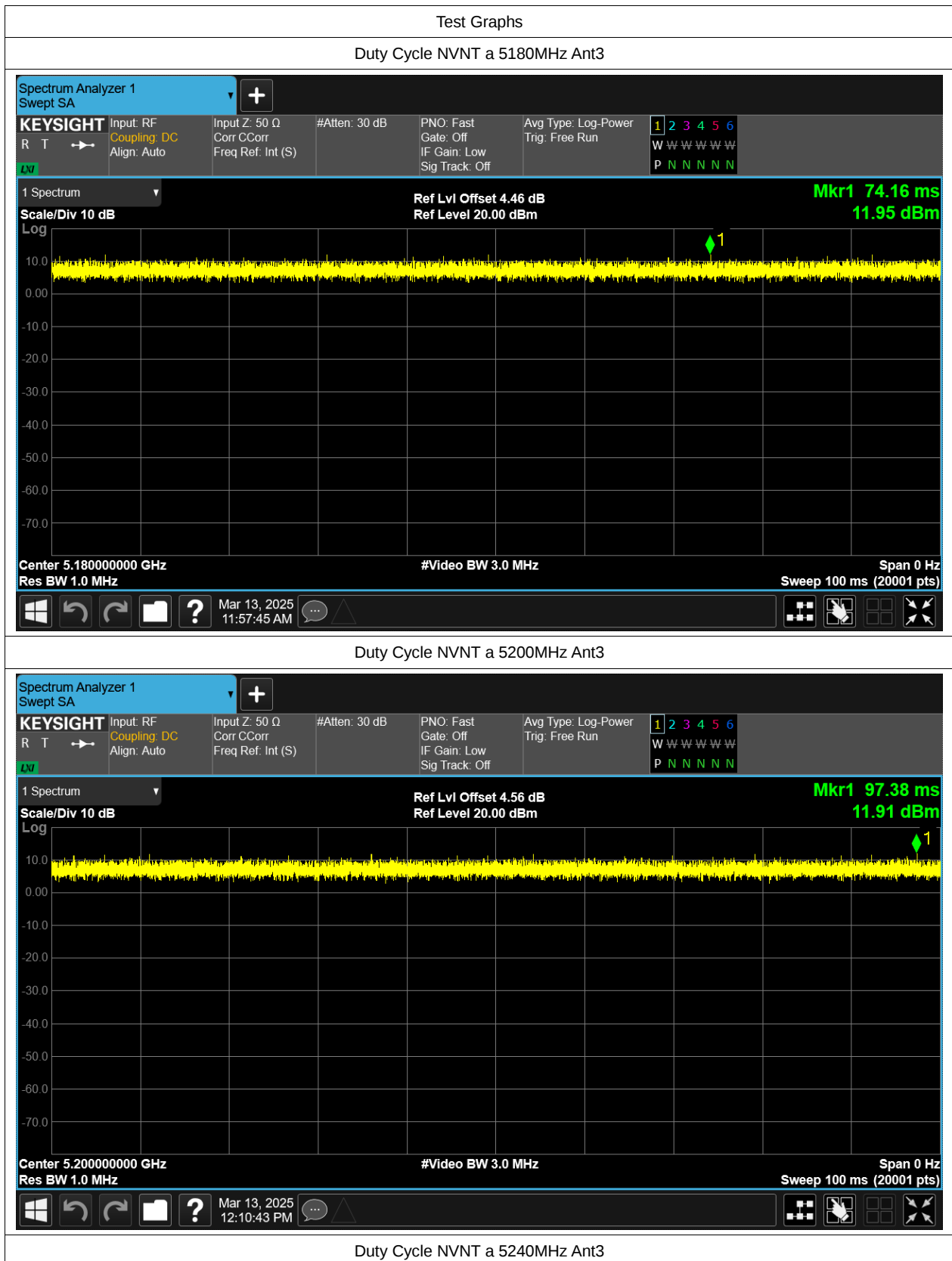


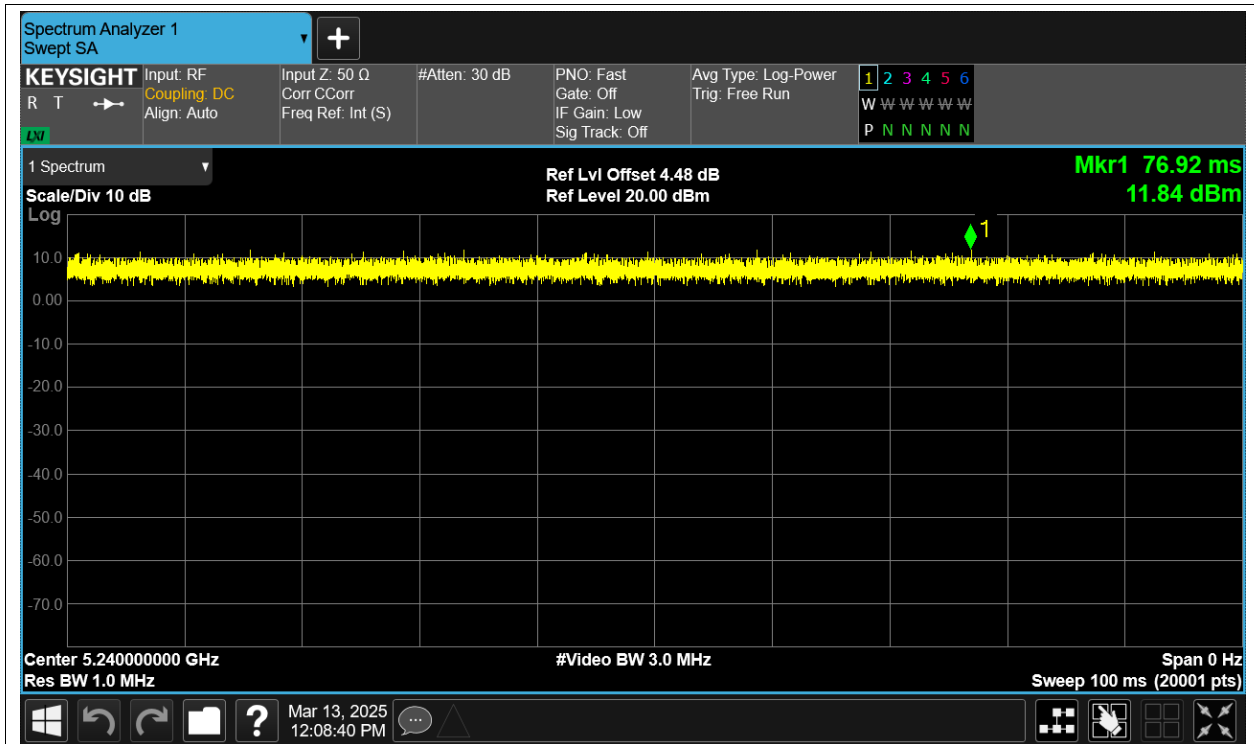
Freq. Stability NVNT n40 5190MHz Ant3



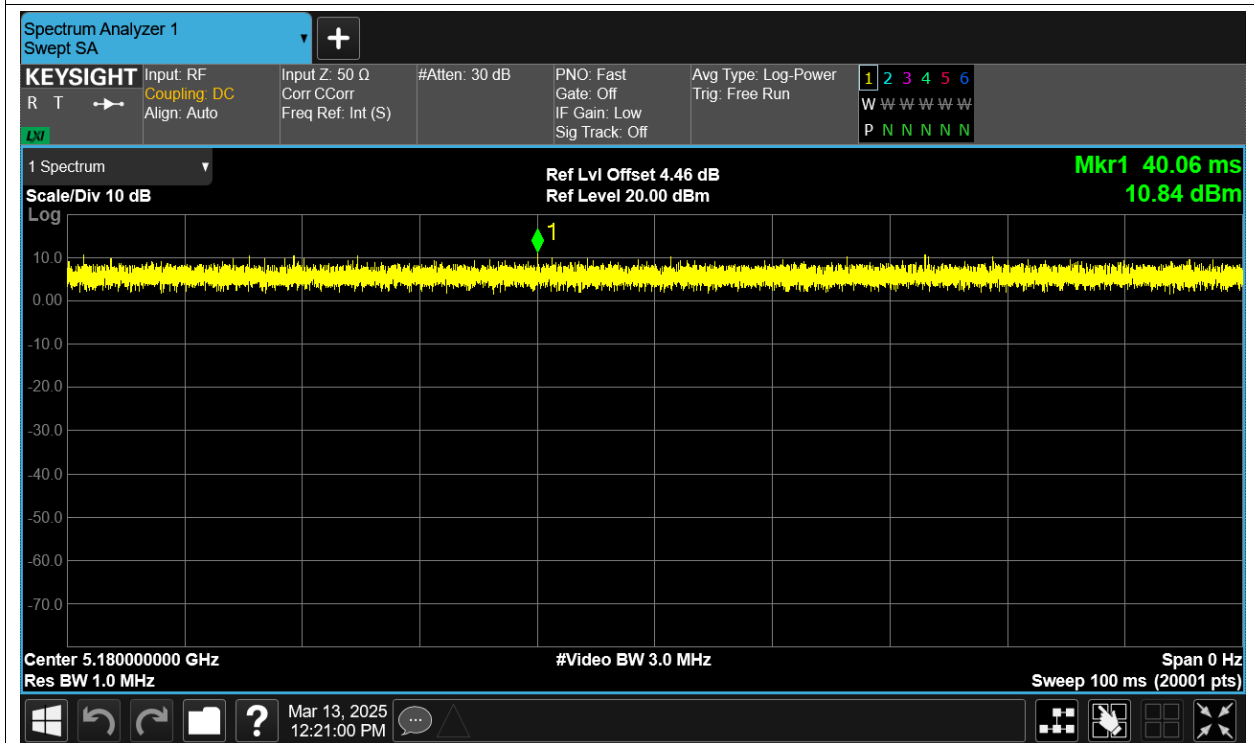
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant3	100	0
NVNT	a	5200	Ant3	100	0
NVNT	a	5240	Ant3	100	0
NVNT	ac20	5180	Ant3	100	0
NVNT	ac20	5200	Ant3	100	0
NVNT	ac20	5240	Ant3	100	0
NVNT	ac40	5190	Ant3	100	0
NVNT	ac40	5230	Ant3	100	0
NVNT	ac80	5210	Ant3	100	0
NVNT	n20	5180	Ant3	100	0
NVNT	n20	5200	Ant3	100	0
NVNT	n20	5240	Ant3	100	0
NVNT	n40	5190	Ant3	100	0
NVNT	n40	5230	Ant3	100	0

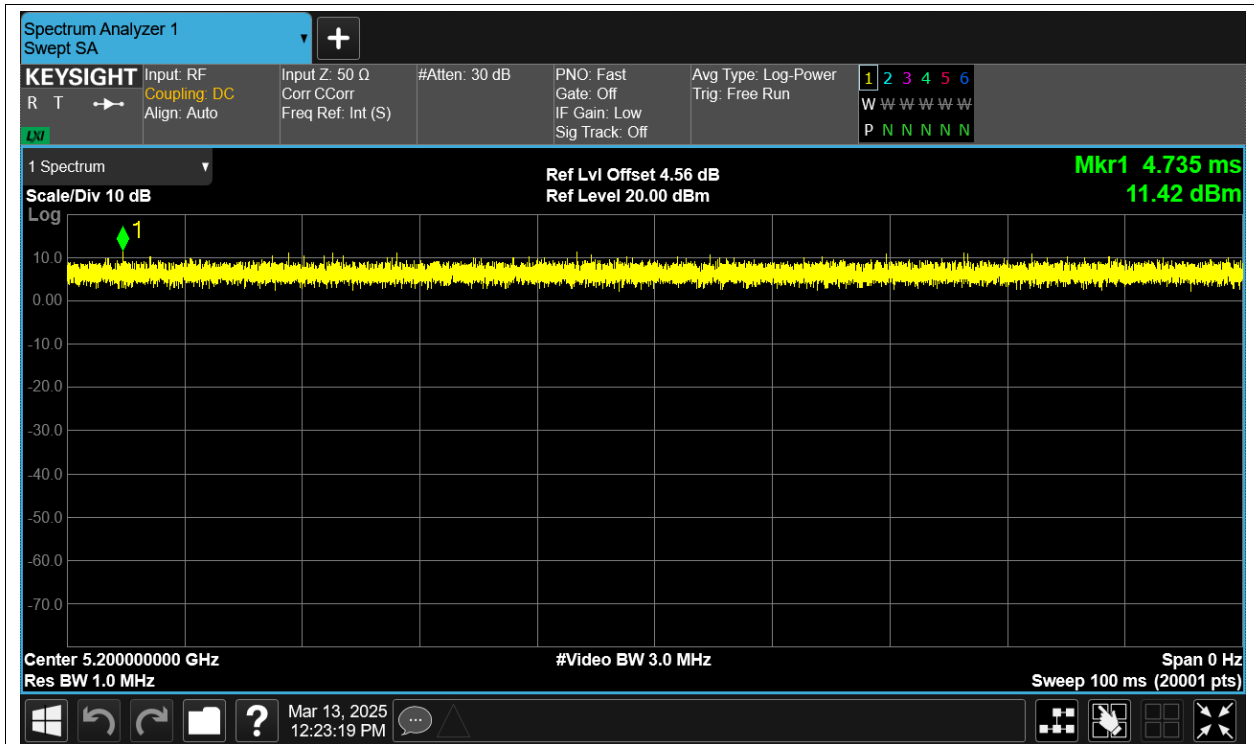




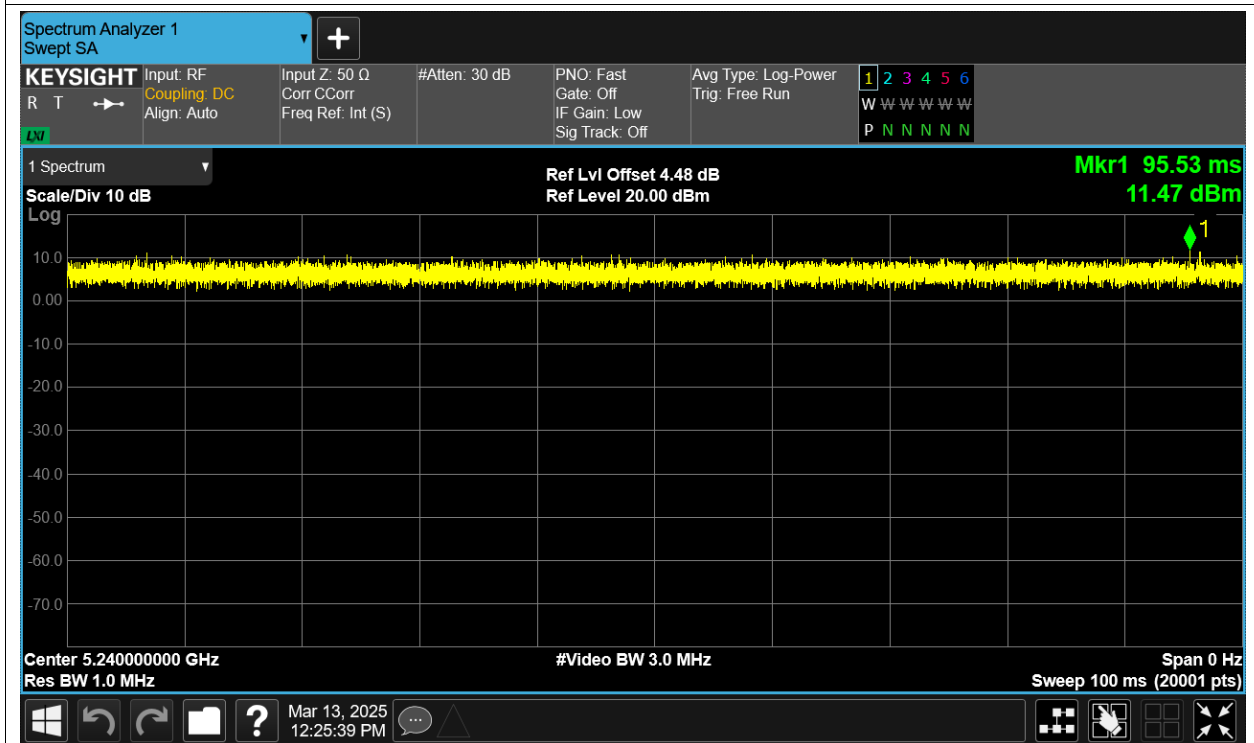
Duty Cycle NVNT ac20 5180MHz Ant3



Duty Cycle NVNT ac20 5200MHz Ant3



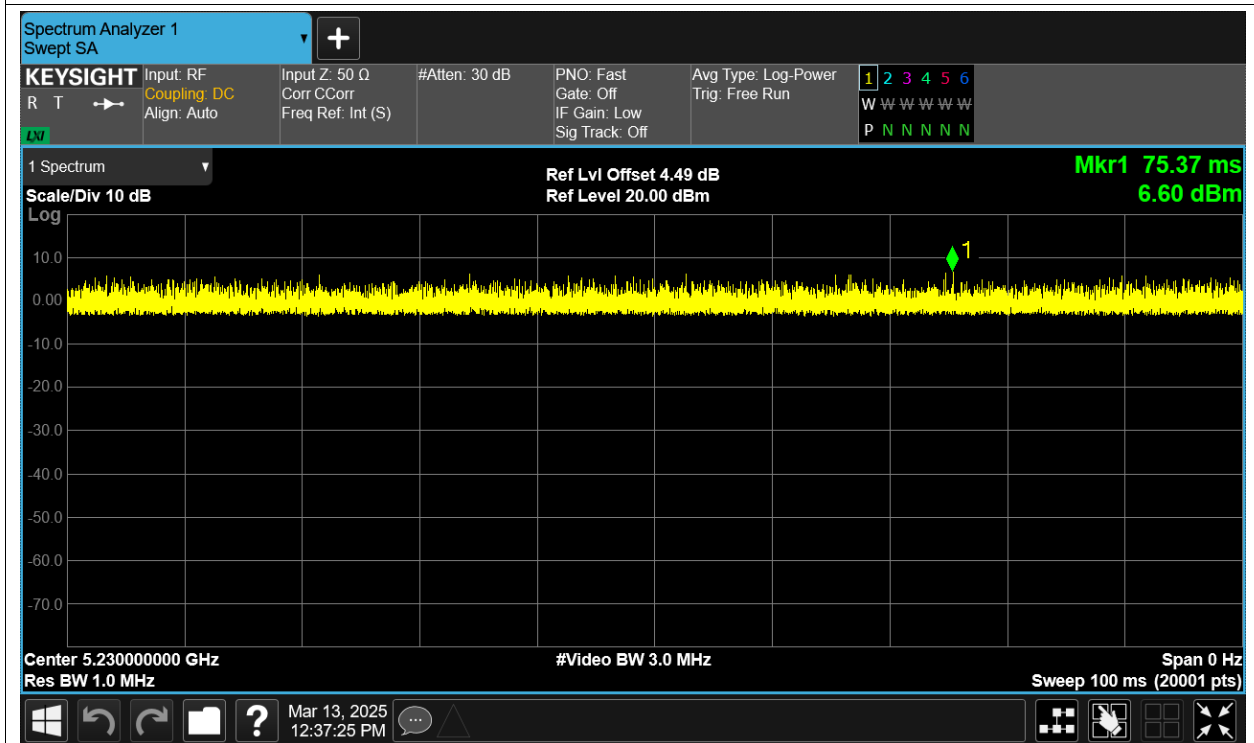
Duty Cycle NVNT ac20 5240MHz Ant3



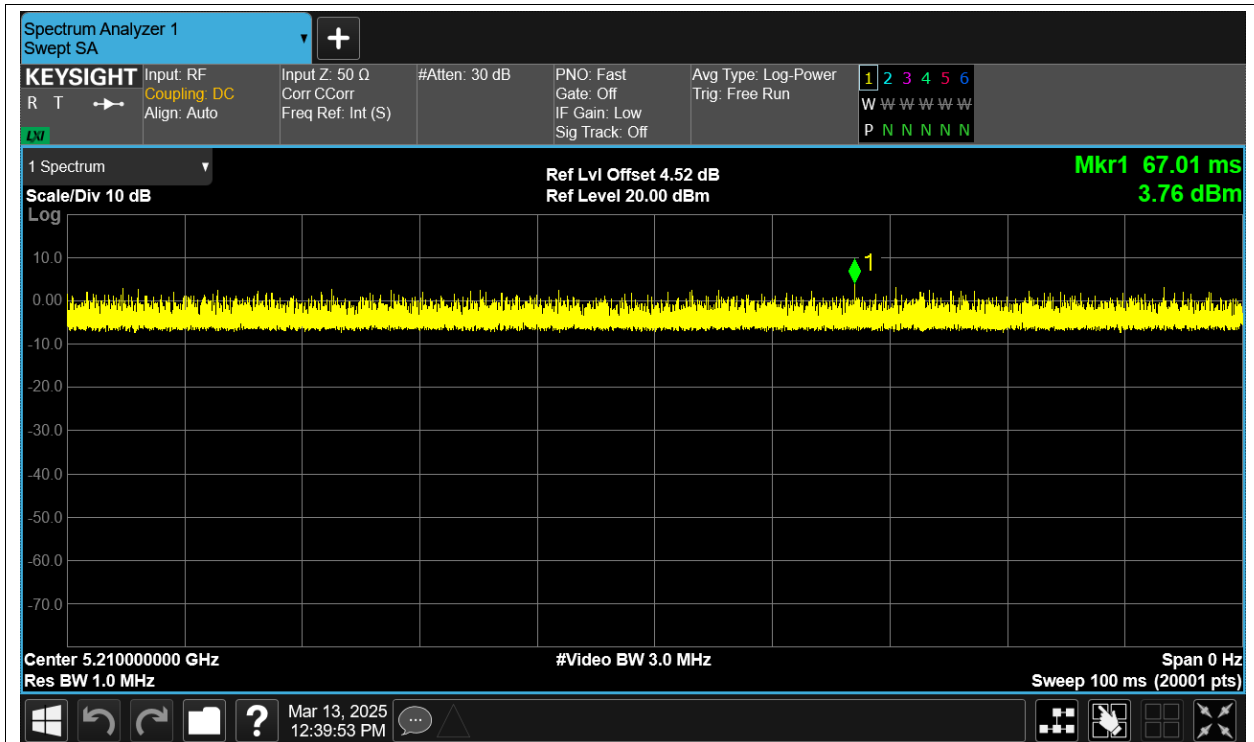
Duty Cycle NVNT ac40 5190MHz Ant3



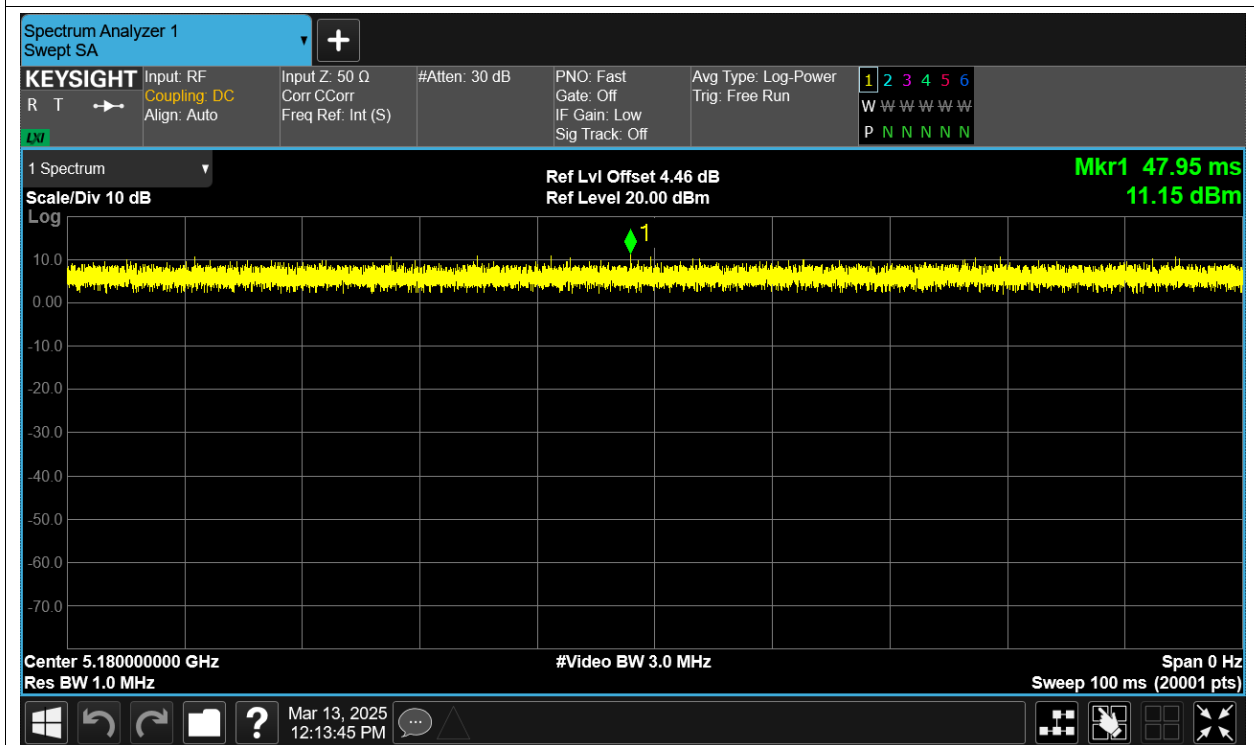
Duty Cycle NVNT ac40 5230MHz Ant3



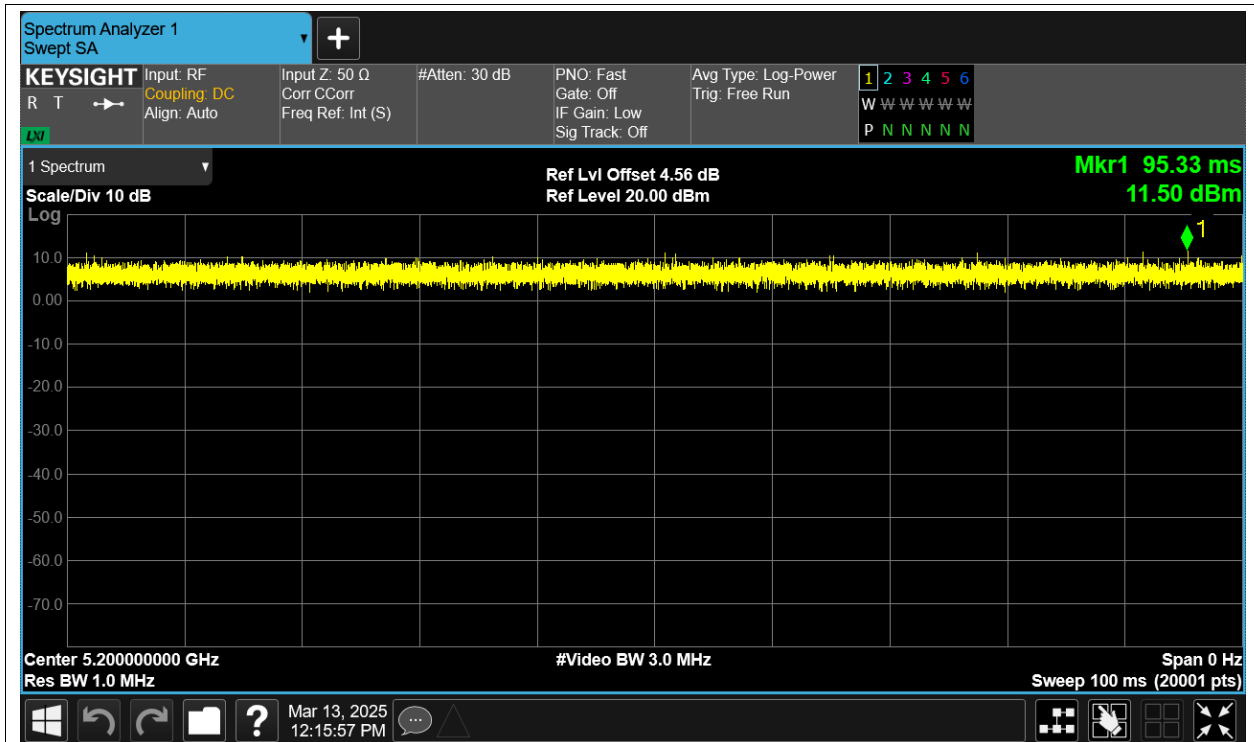
Duty Cycle NVNT ac80 5210MHz Ant3



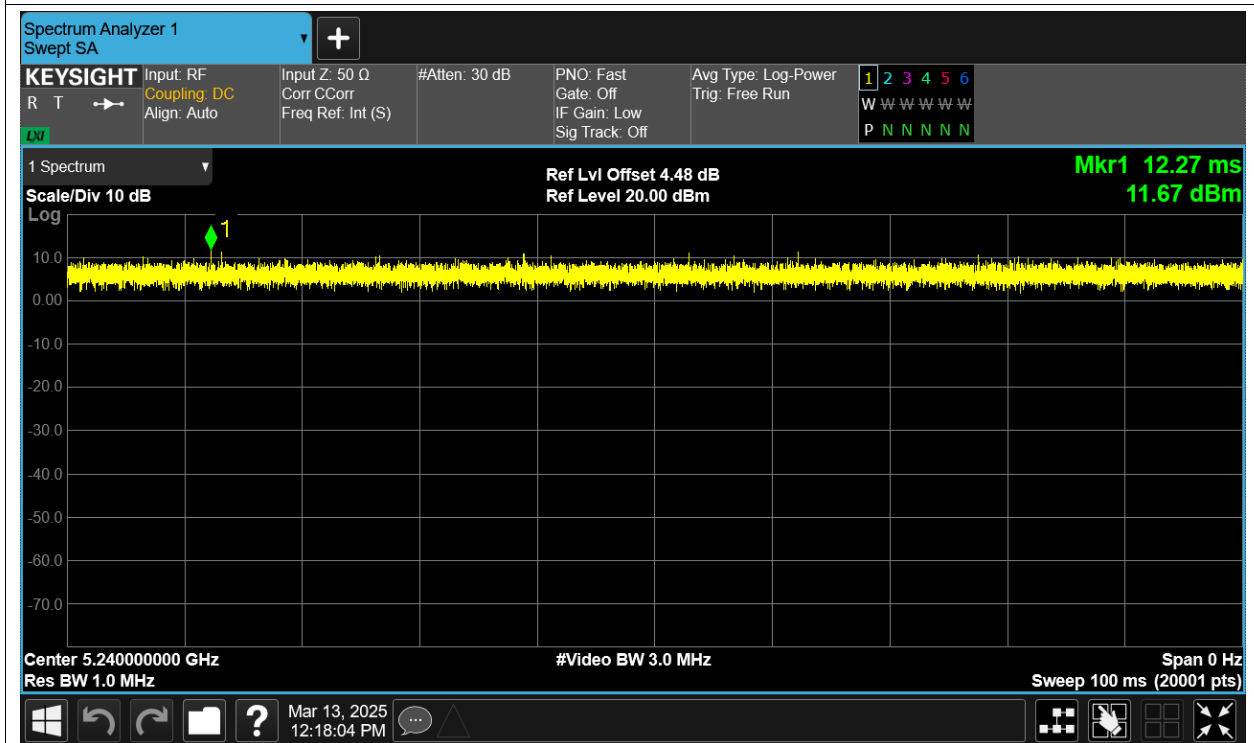
Duty Cycle NVNT n20 5180MHz Ant3



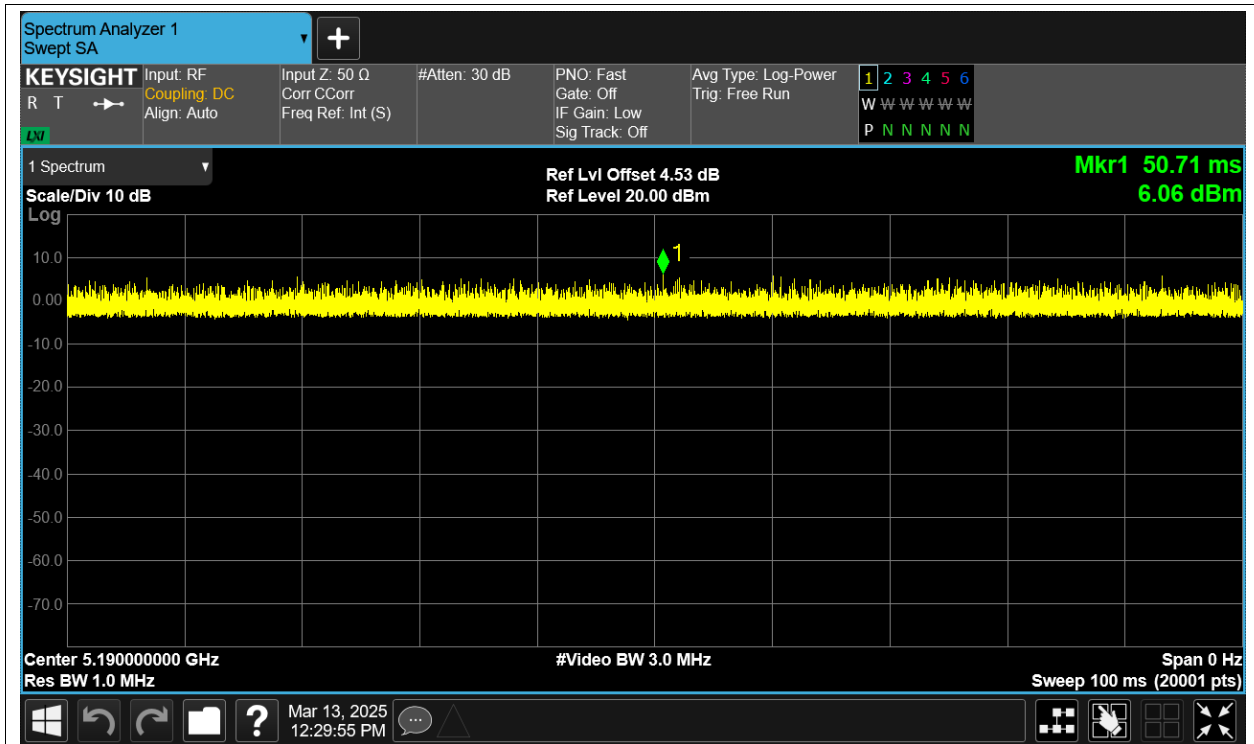
Duty Cycle NVNT n20 5200MHz Ant3



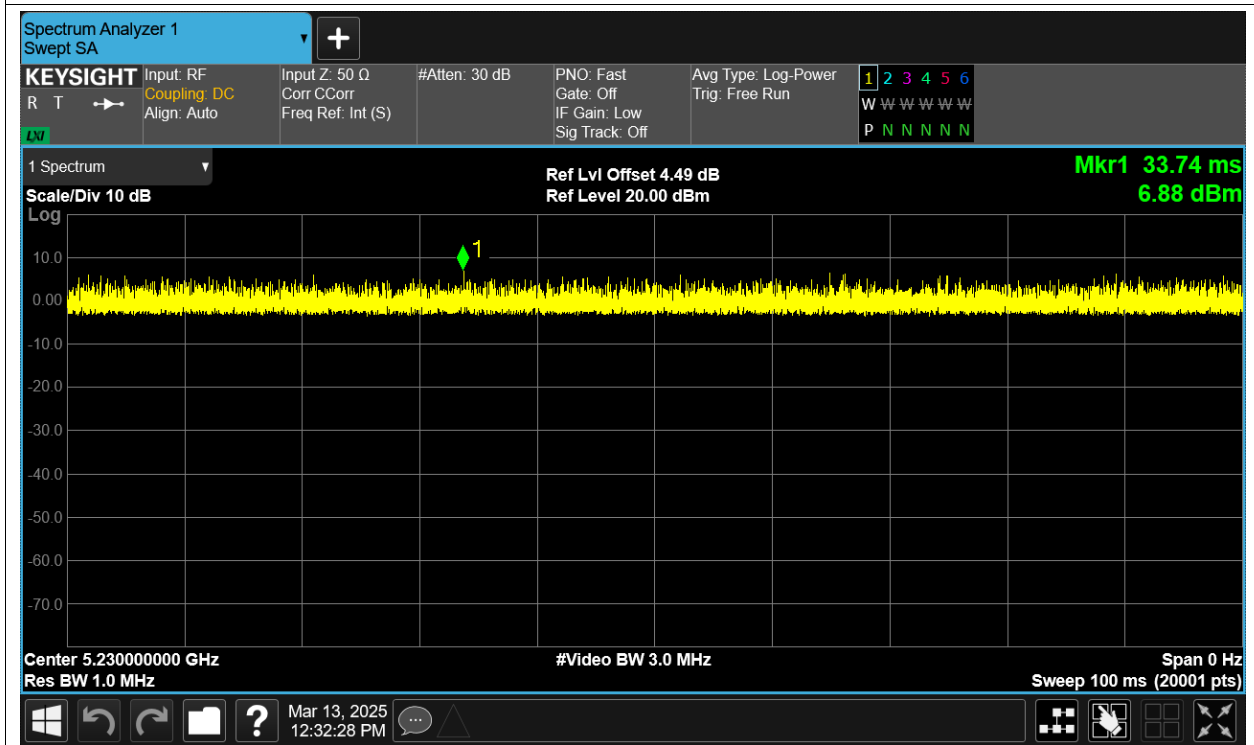
Duty Cycle NVNT n20 5240MHz Ant3



Duty Cycle NVNT n40 5190MHz Ant3



Duty Cycle NVNT n40 5230MHz Ant3



Maximum Conducted Output Power

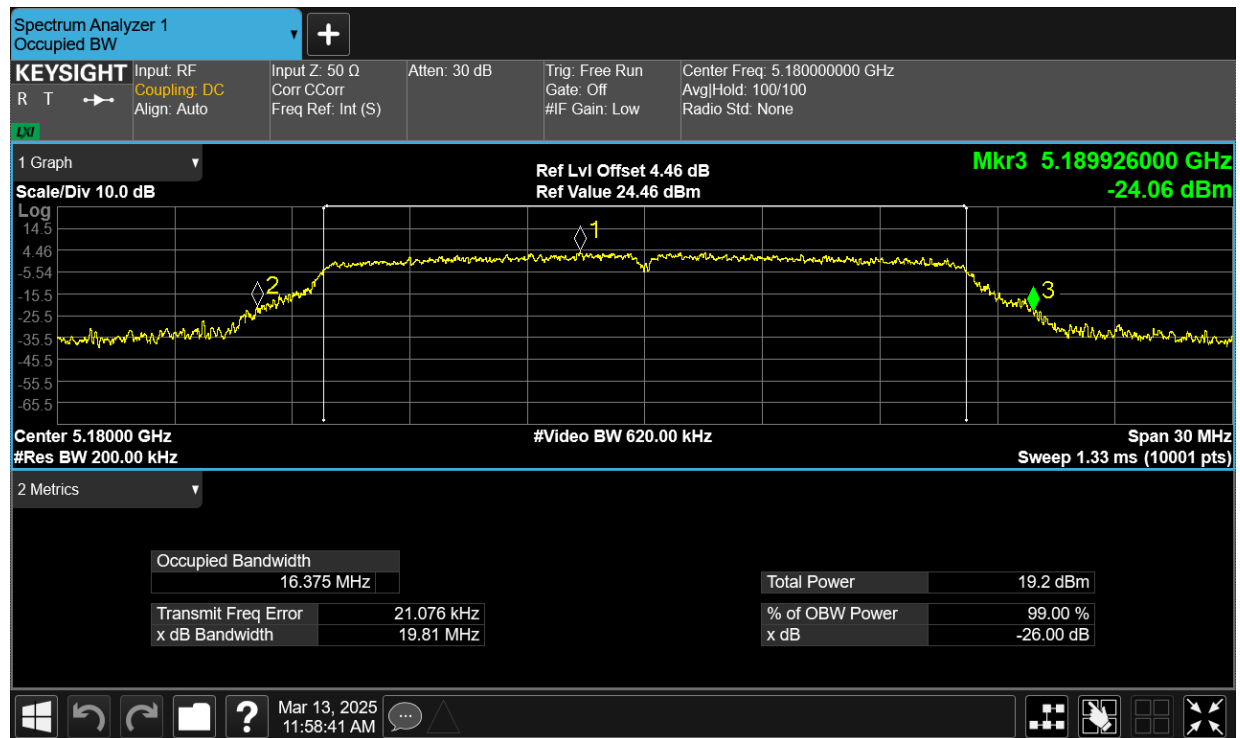
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant3	13.54	0	13.54	24	Pass
NVNT	a	5200	Ant3	13.9	0	13.9	24	Pass
NVNT	a	5240	Ant3	13.34	0	13.34	24	Pass
NVNT	ac20	5180	Ant3	12.19	0	12.19	24	Pass
NVNT	ac20	5200	Ant3	13.32	0	13.32	24	Pass
NVNT	ac20	5240	Ant3	12.57	0	12.57	24	Pass
NVNT	ac40	5190	Ant3	12.77	0	12.77	23	Pass
NVNT	ac40	5230	Ant3	12.41	0	12.41	24	Pass
NVNT	ac80	5210	Ant3	12.57	0	12.57	24	Pass
NVNT	n20	5180	Ant3	12.53	0	12.53	24	Pass
NVNT	n20	5200	Ant3	13.09	0	13.09	24	Pass
NVNT	n20	5240	Ant3	12.37	0	12.37	24	Pass
NVNT	n40	5190	Ant3	12.45	0	12.45	24	Pass
NVNT	n40	5230	Ant3	12.45	0	12.45	24	Pass

-26dB Bandwidth

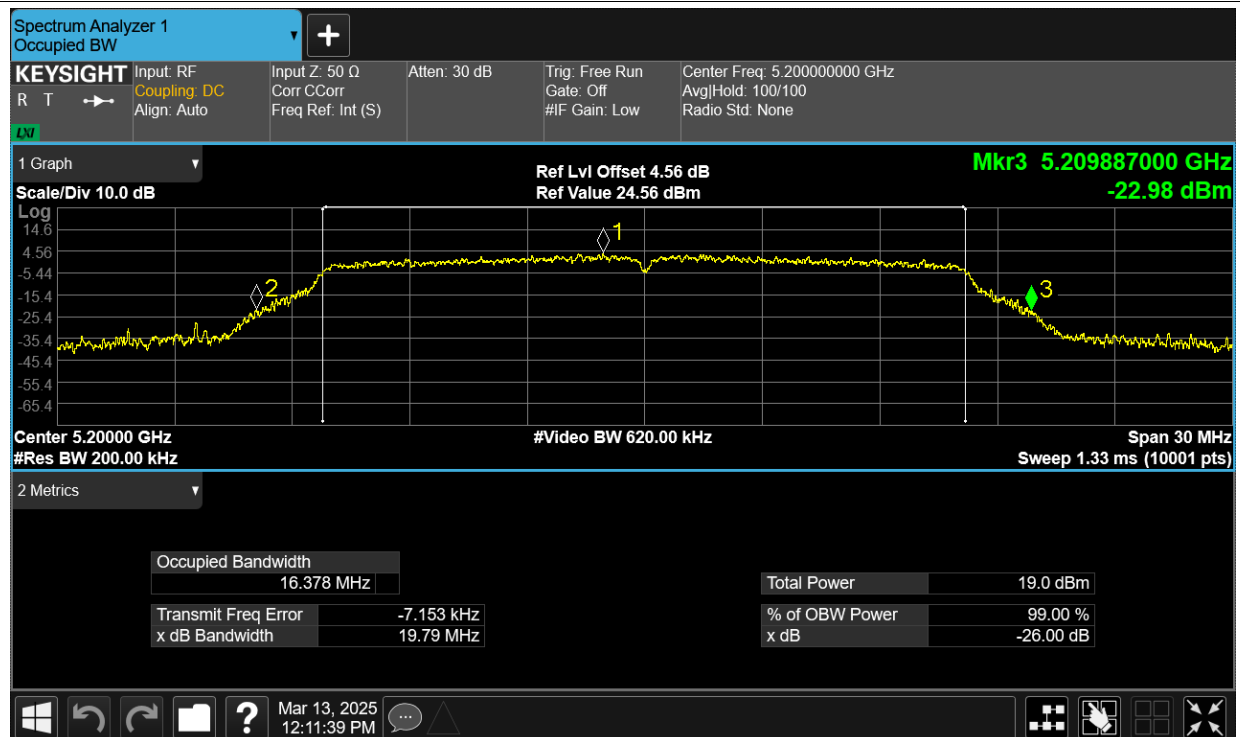
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant3	19.81
NVNT	a	5200	Ant3	19.789
NVNT	a	5240	Ant3	19.681
NVNT	ac20	5180	Ant3	20.146
NVNT	ac20	5200	Ant3	20.22
NVNT	ac20	5240	Ant3	20.301
NVNT	ac40	5190	Ant3	39.234
NVNT	ac40	5230	Ant3	39.261
NVNT	ac80	5210	Ant3	78.916
NVNT	n20	5180	Ant3	20.156
NVNT	n20	5200	Ant3	20.052
NVNT	n20	5240	Ant3	19.864
NVNT	n40	5190	Ant3	39.448
NVNT	n40	5230	Ant3	38.963

Test Graphs

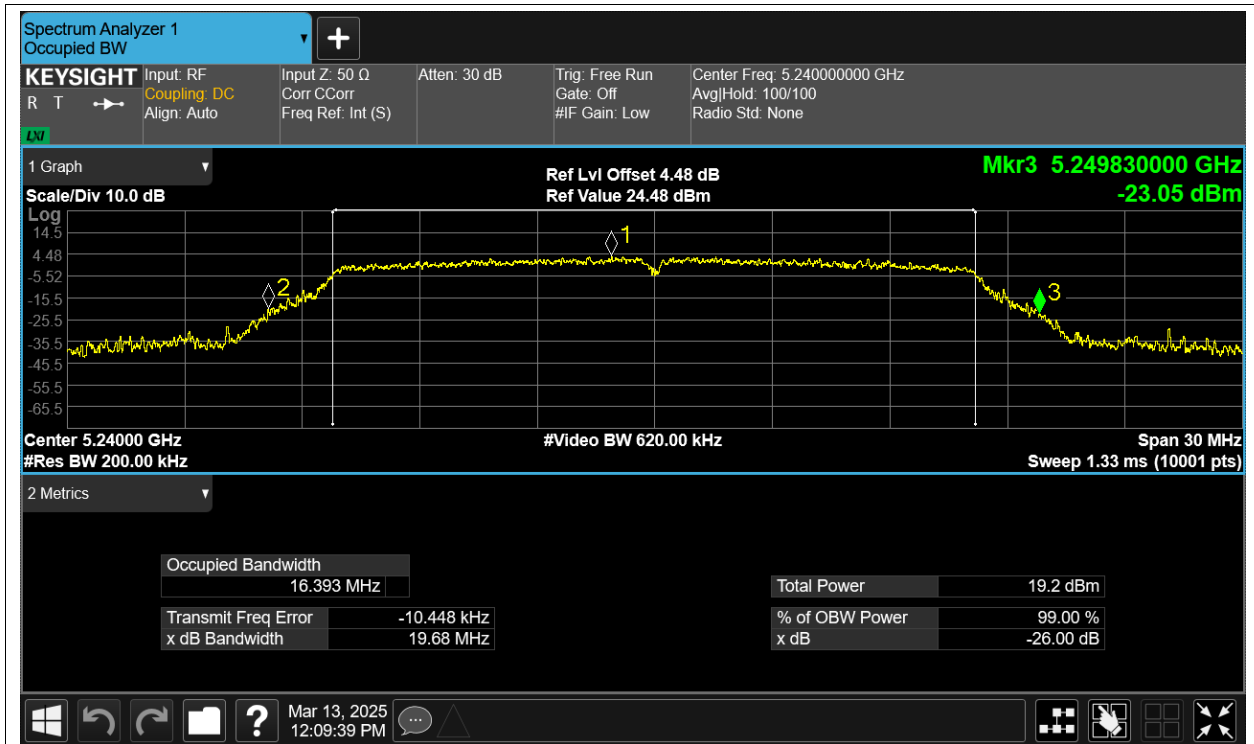
-26dB Bandwidth NVNT a 5180MHz Ant3



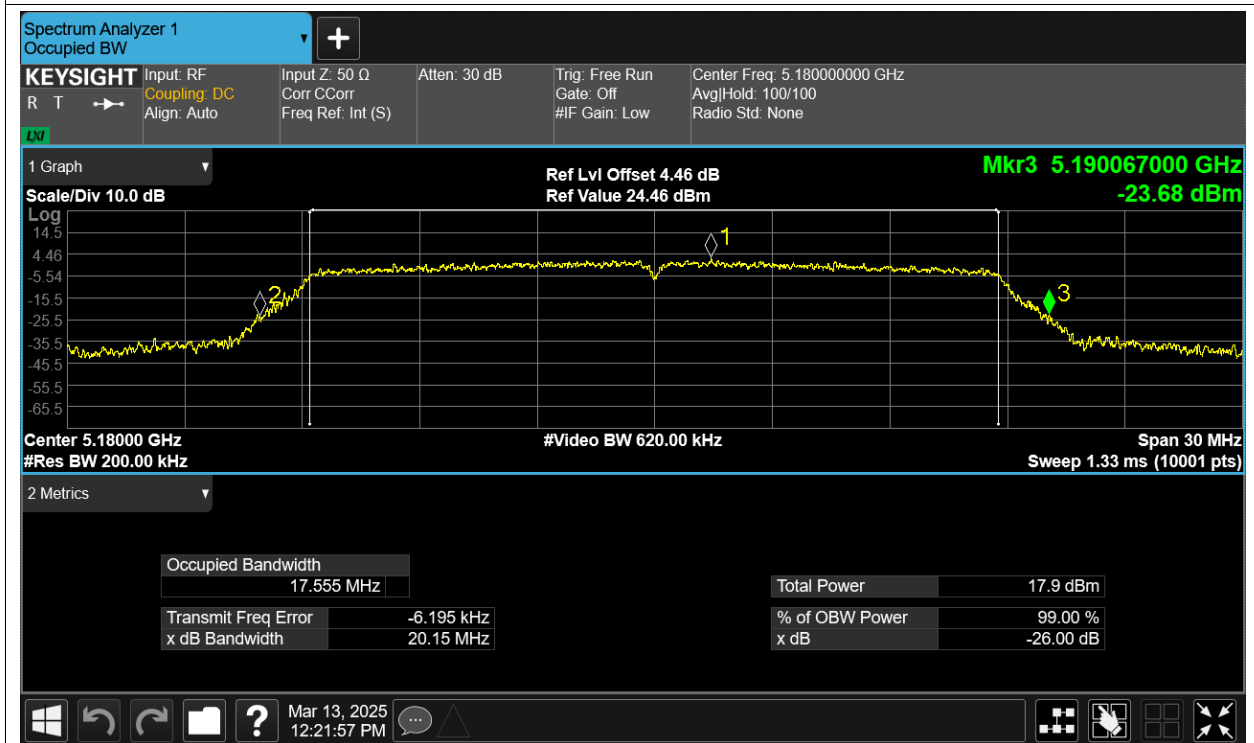
-26dB Bandwidth NVNT a 5200MHz Ant3



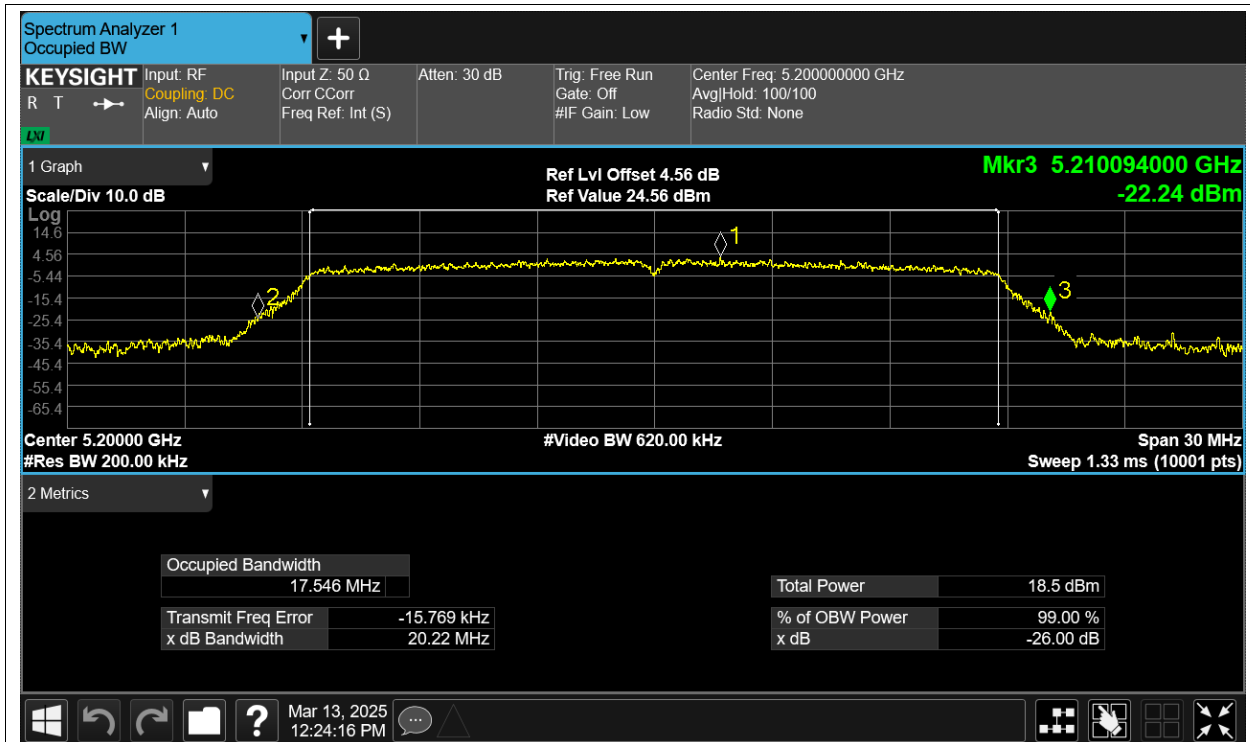
-26dB Bandwidth NVNT a 5240MHz Ant3



-26dB Bandwidth NVNT ac20 5180MHz Ant3



-26dB Bandwidth NVNT ac20 5200MHz Ant3



-26dB Bandwidth NVNT ac20 5240MHz Ant3



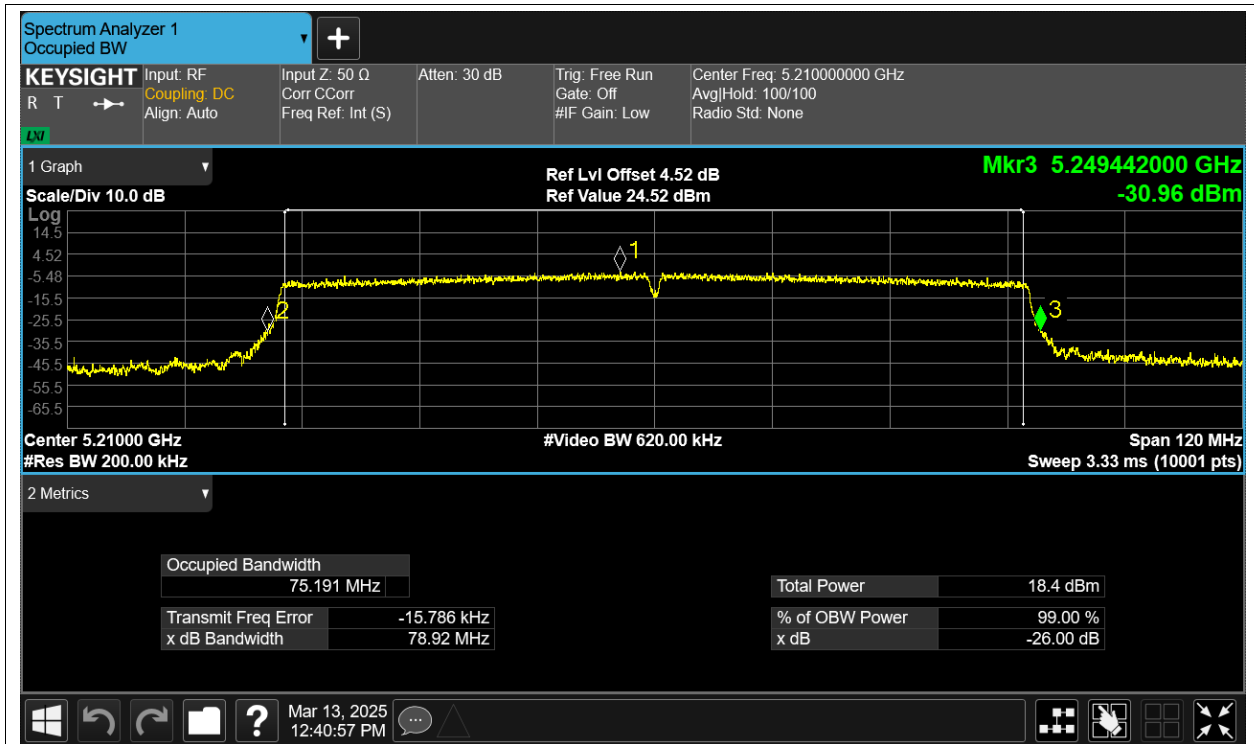
-26dB Bandwidth NVNT ac40 5190MHz Ant3



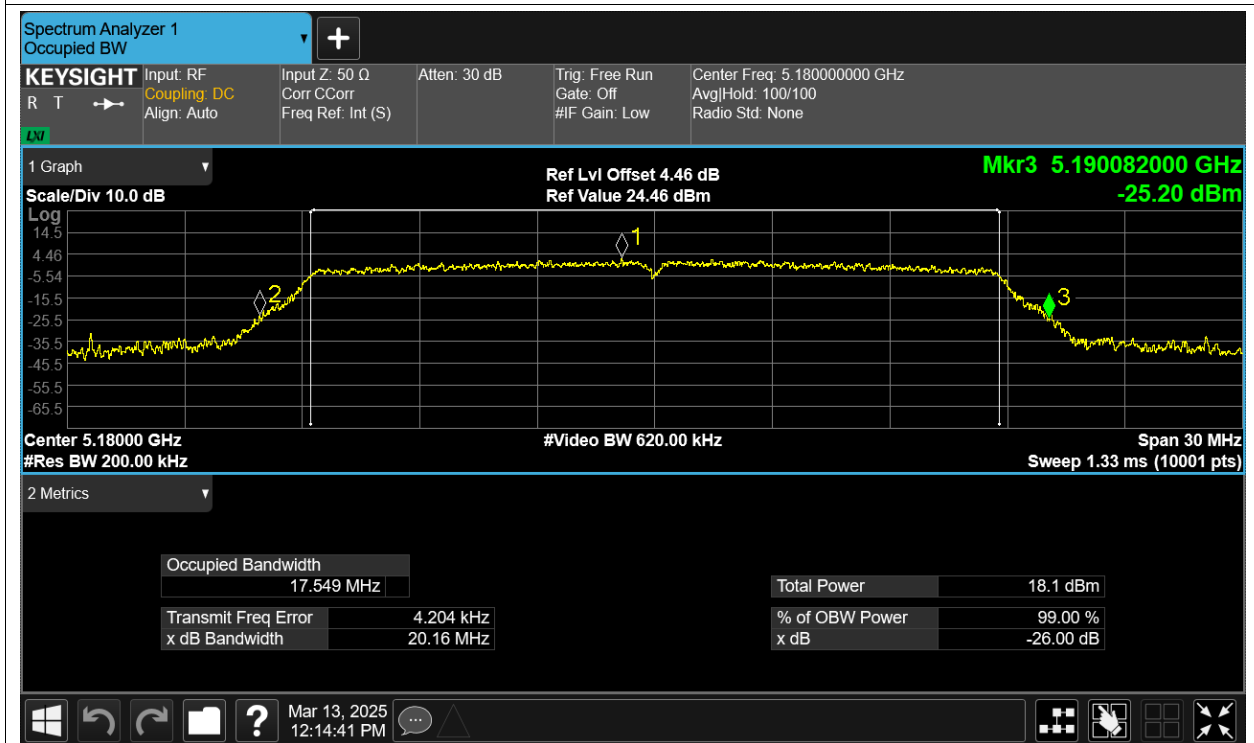
-26dB Bandwidth NVNT ac40 5230MHz Ant3



-26dB Bandwidth NVNT ac80 5210MHz Ant3



-26dB Bandwidth NVNT n20 5180MHz Ant3



-26dB Bandwidth NVNT n20 5200MHz Ant3



-26dB Bandwidth NVNT n20 5240MHz Ant3



-26dB Bandwidth NVNT n40 5190MHz Ant3



-26dB Bandwidth NVNT n40 5230MHz Ant3

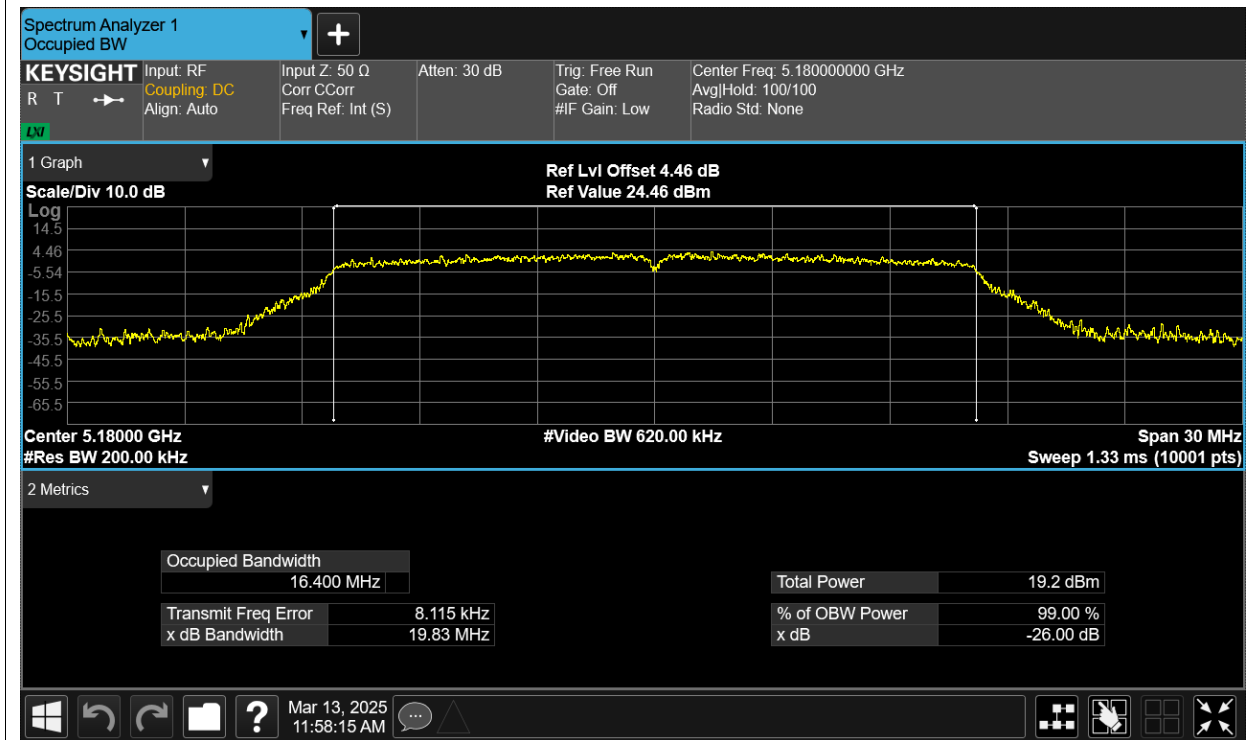


Occupied Channel Bandwidth

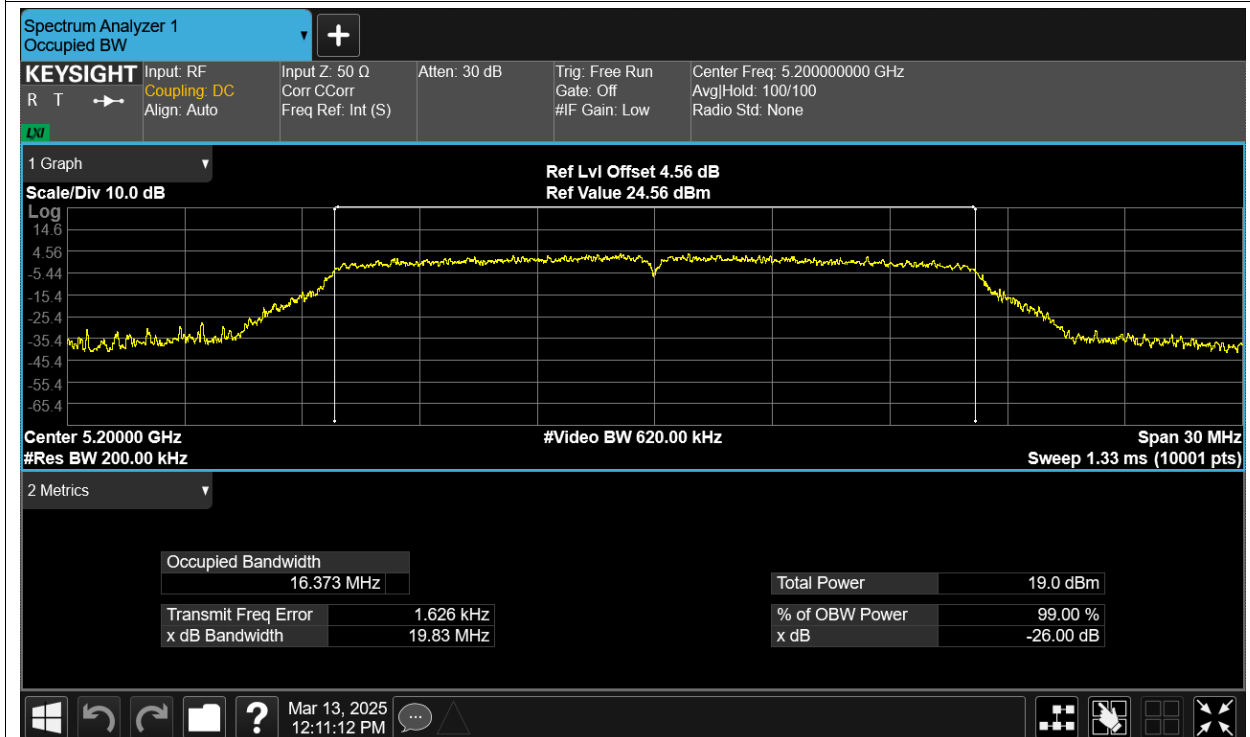
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant3	16.4
NVNT	a	5200	Ant3	16.373
NVNT	a	5240	Ant3	16.397
NVNT	ac20	5180	Ant3	17.574
NVNT	ac20	5200	Ant3	17.545
NVNT	ac20	5240	Ant3	17.559
NVNT	ac40	5190	Ant3	35.887
NVNT	ac40	5230	Ant3	35.896
NVNT	ac80	5210	Ant3	75.14
NVNT	n20	5180	Ant3	17.574
NVNT	n20	5200	Ant3	17.543
NVNT	n20	5240	Ant3	17.547
NVNT	n40	5190	Ant3	35.942
NVNT	n40	5230	Ant3	35.892

Test Graphs

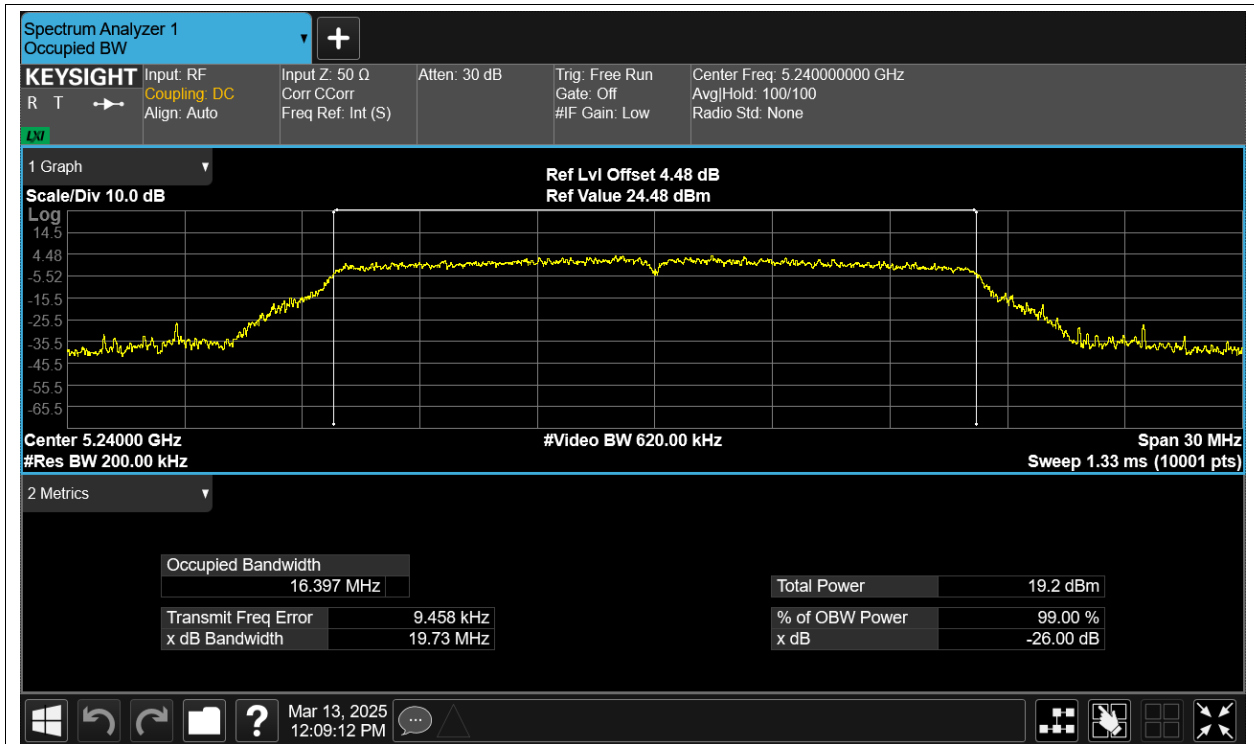
OBW NVNT a 5180MHz Ant3



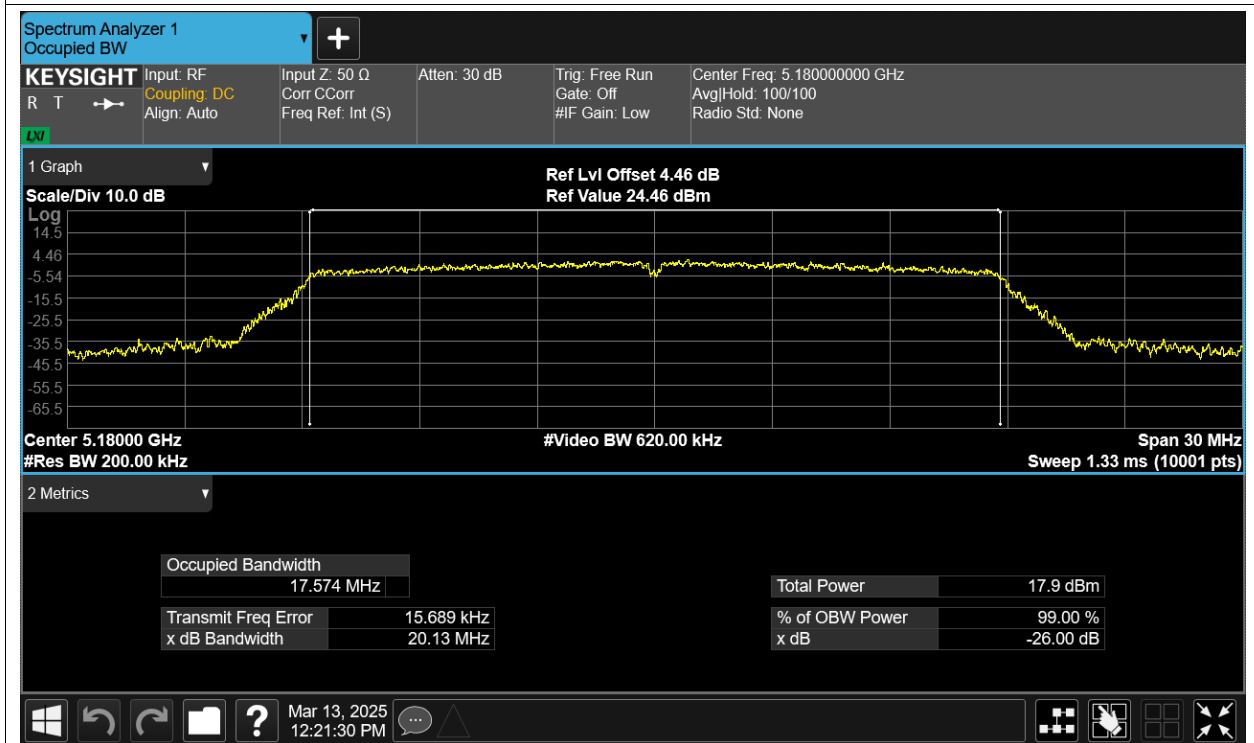
OBW NVNT a 5200MHz Ant3



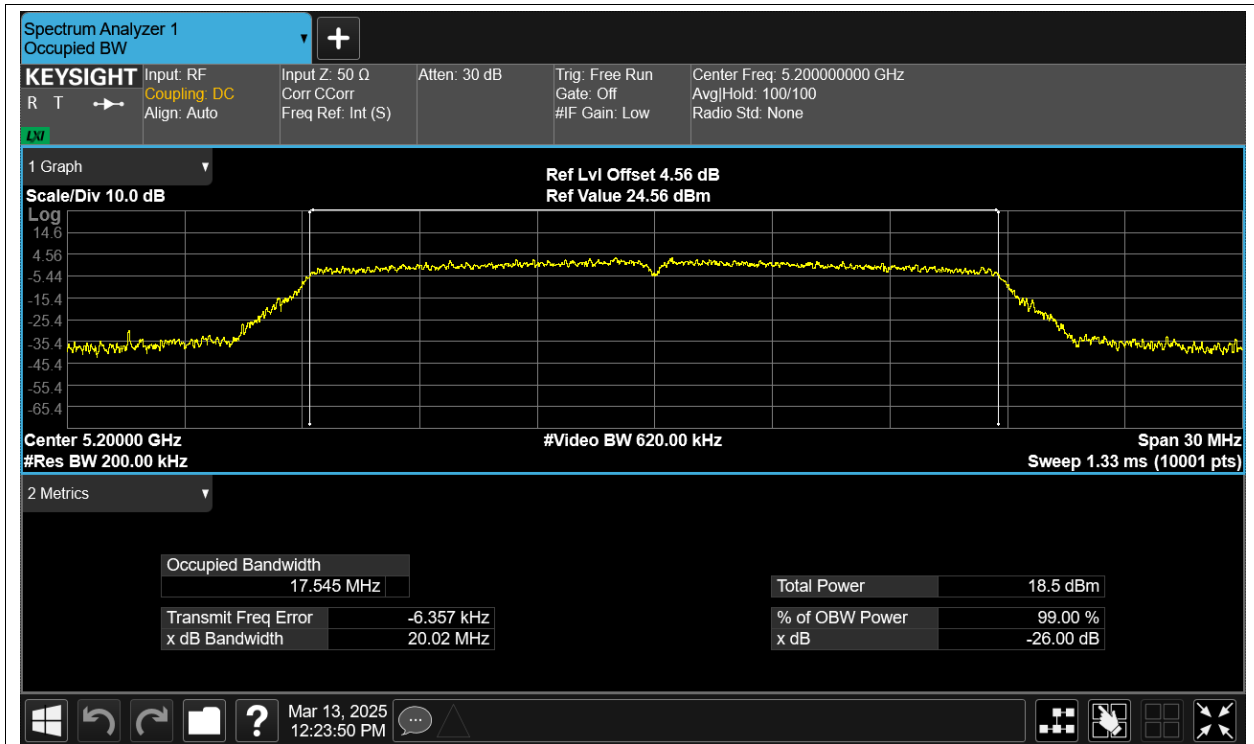
OBW NVNT a 5240MHz Ant3



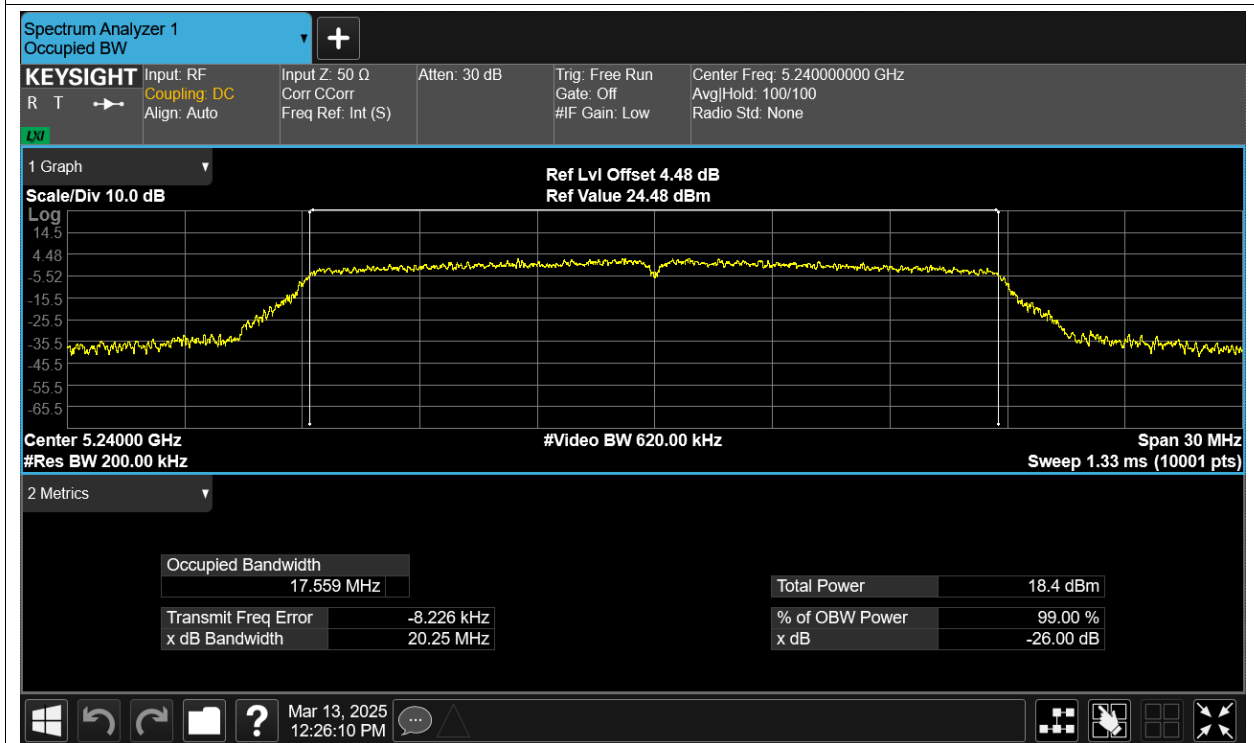
OBW NVNT ac20 5180MHz Ant3



OBW NVNT ac20 5200MHz Ant3



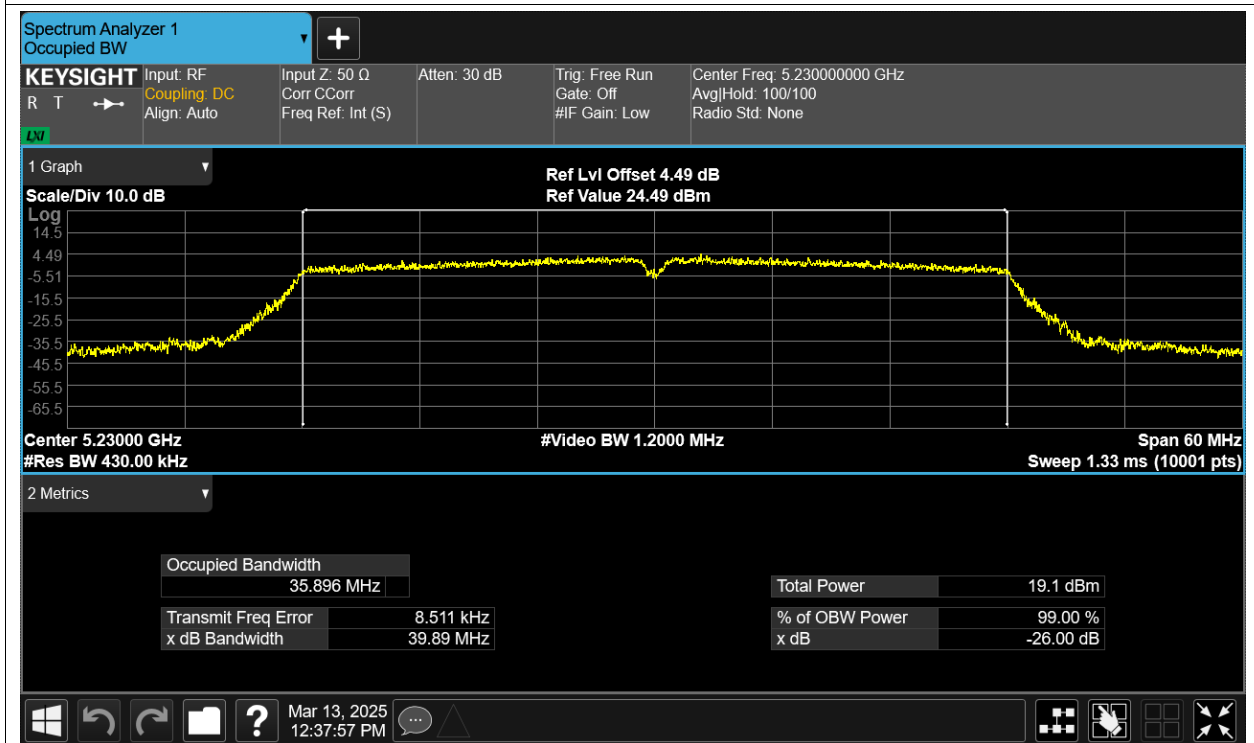
OBW NVNT ac20 5240MHz Ant3



OBW NVNT ac40 5190MHz Ant3



OBW NVNT ac40 5230MHz Ant3



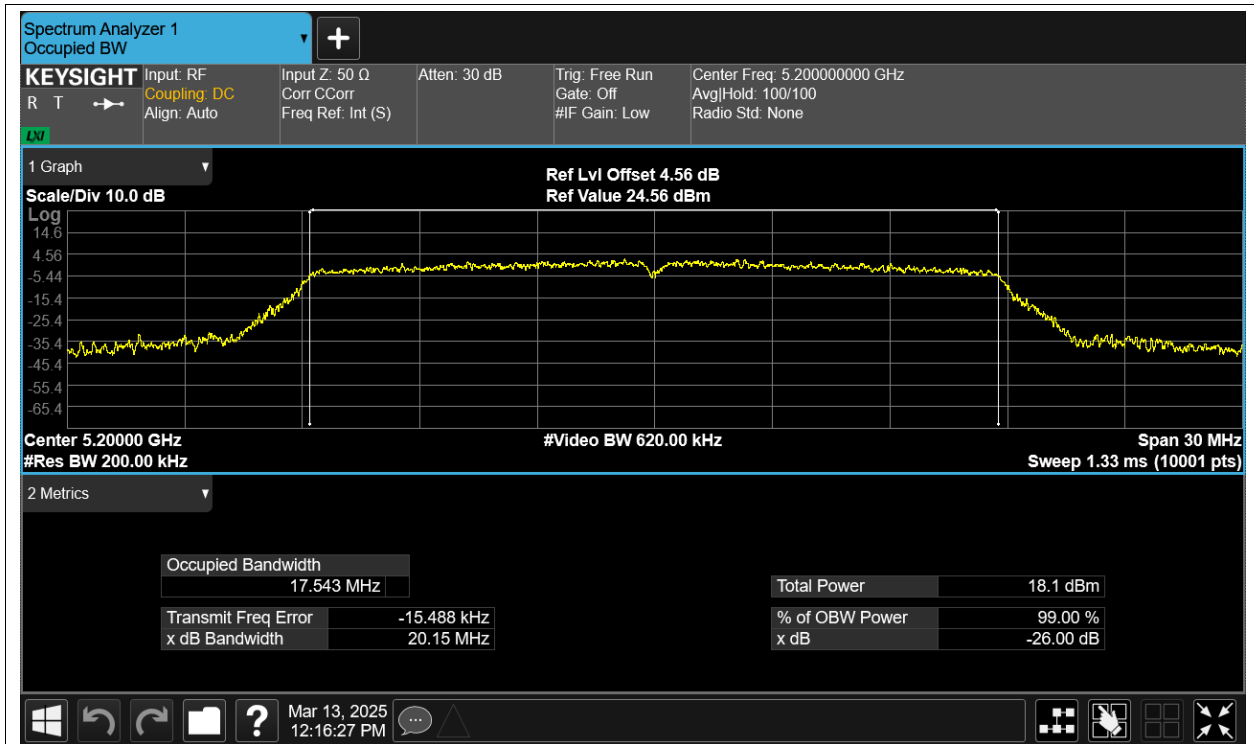
OBW NVNT ac80 5210MHz Ant3



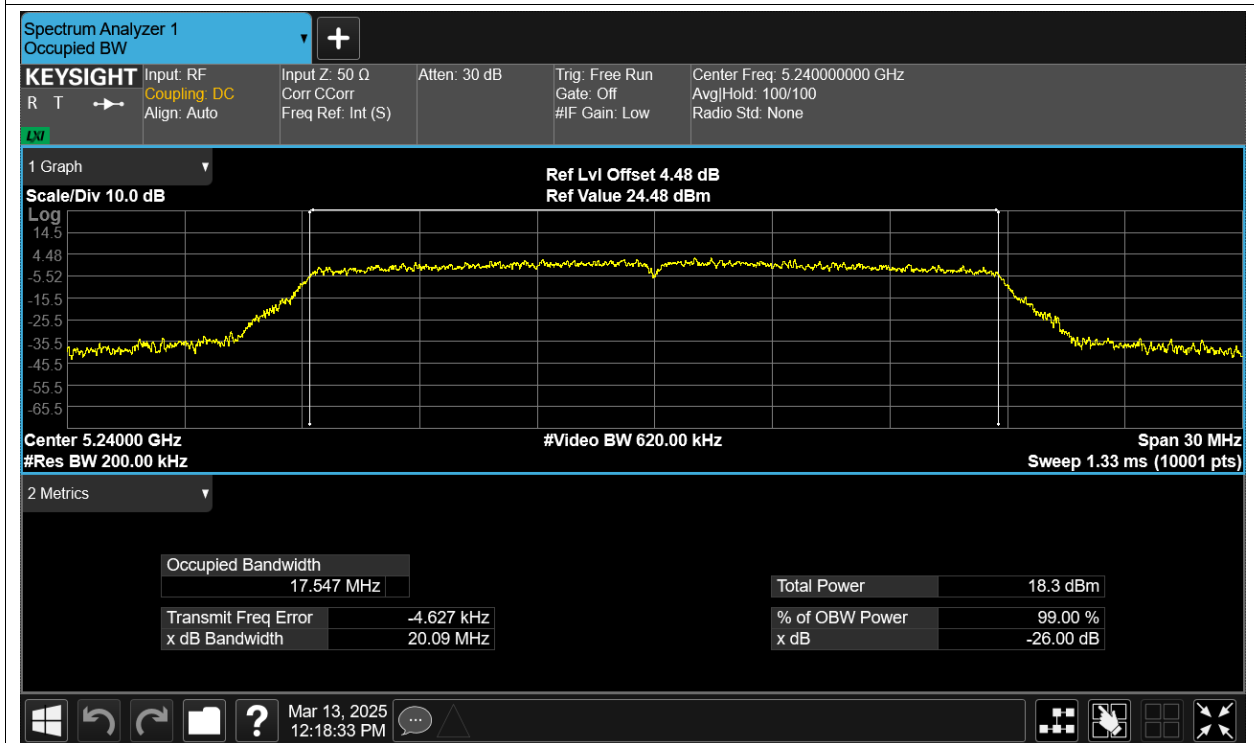
OBW NVNT n20 5180MHz Ant3



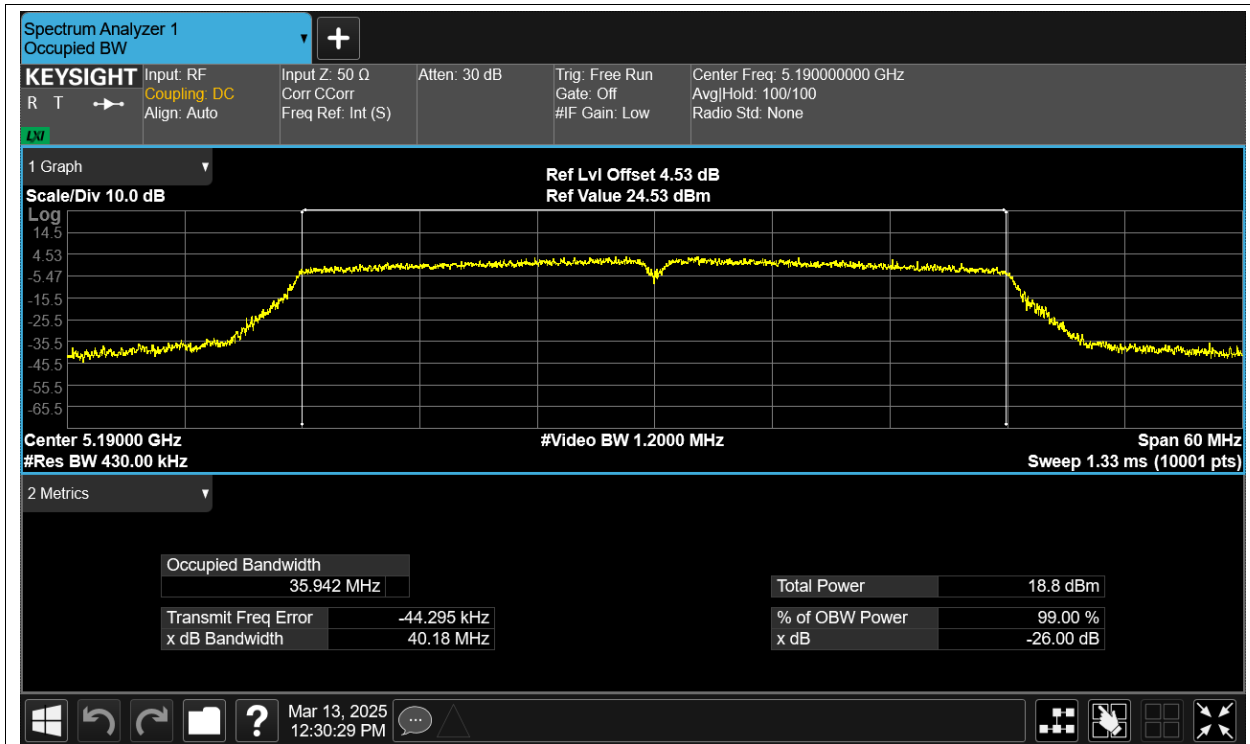
OBW NVNT n20 5200MHz Ant3



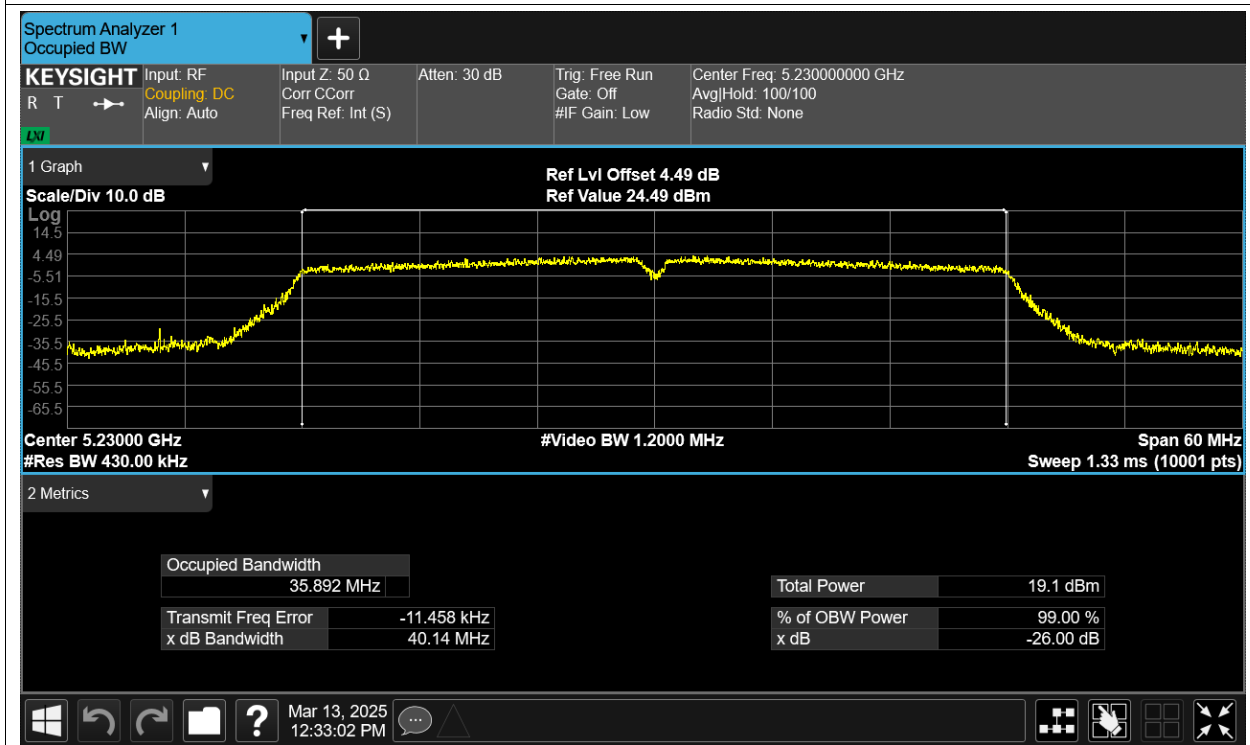
OBW NVNT n20 5240MHz Ant3



OBW NVNT n40 5190MHz Ant3



OBW NVNT n40 5230MHz Ant3

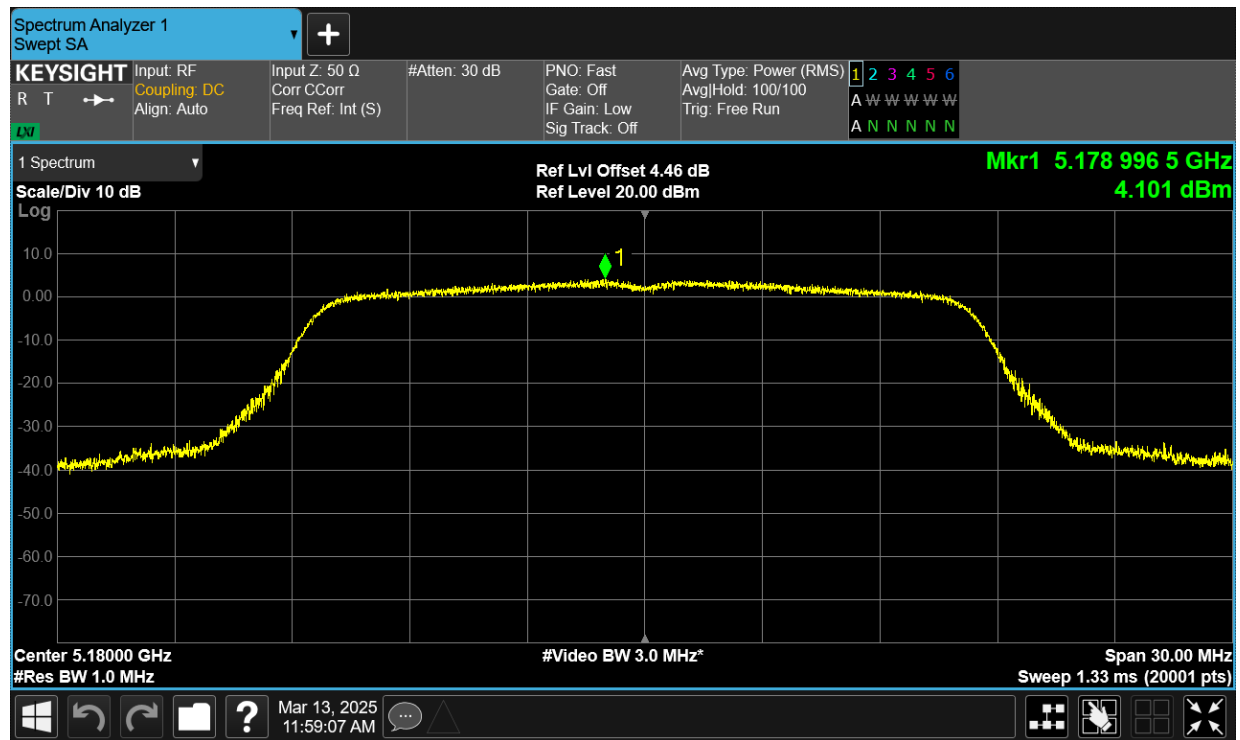


Maximum Power Spectral Density Level

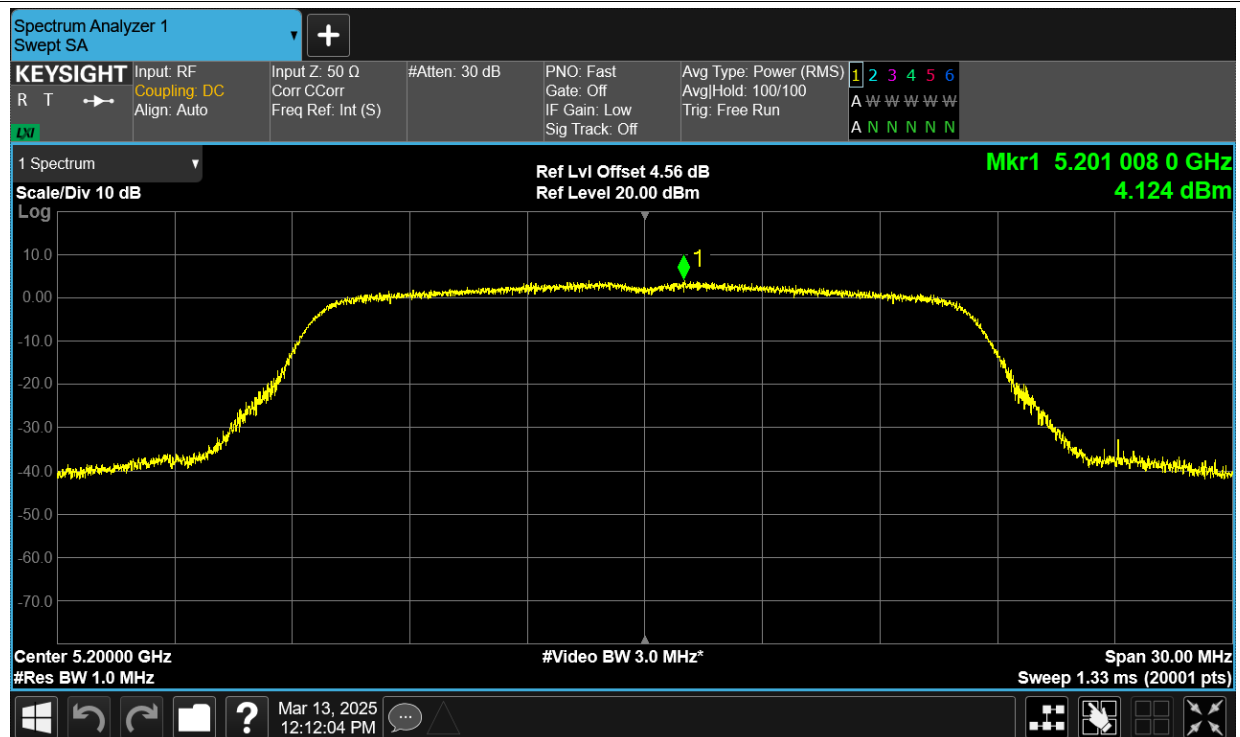
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant3	4.101	11	Pass
NVNT	a	5200	Ant3	4.124	11	Pass
NVNT	a	5240	Ant3	4.18	11	Pass
NVNT	ac20	5180	Ant3	2.58	11	Pass
NVNT	ac20	5200	Ant3	3.319	11	Pass
NVNT	ac20	5240	Ant3	3.066	11	Pass
NVNT	ac40	5190	Ant3	1.117	11	Pass
NVNT	ac40	5230	Ant3	0.885	11	Pass
NVNT	ac80	5210	Ant3	-3.153	11	Pass
NVNT	n20	5180	Ant3	2.938	11	Pass
NVNT	n20	5200	Ant3	2.813	11	Pass
NVNT	n20	5240	Ant3	2.944	11	Pass
NVNT	n40	5190	Ant3	0.444	11	Pass
NVNT	n40	5230	Ant3	0.938	11	Pass

Test Graphs

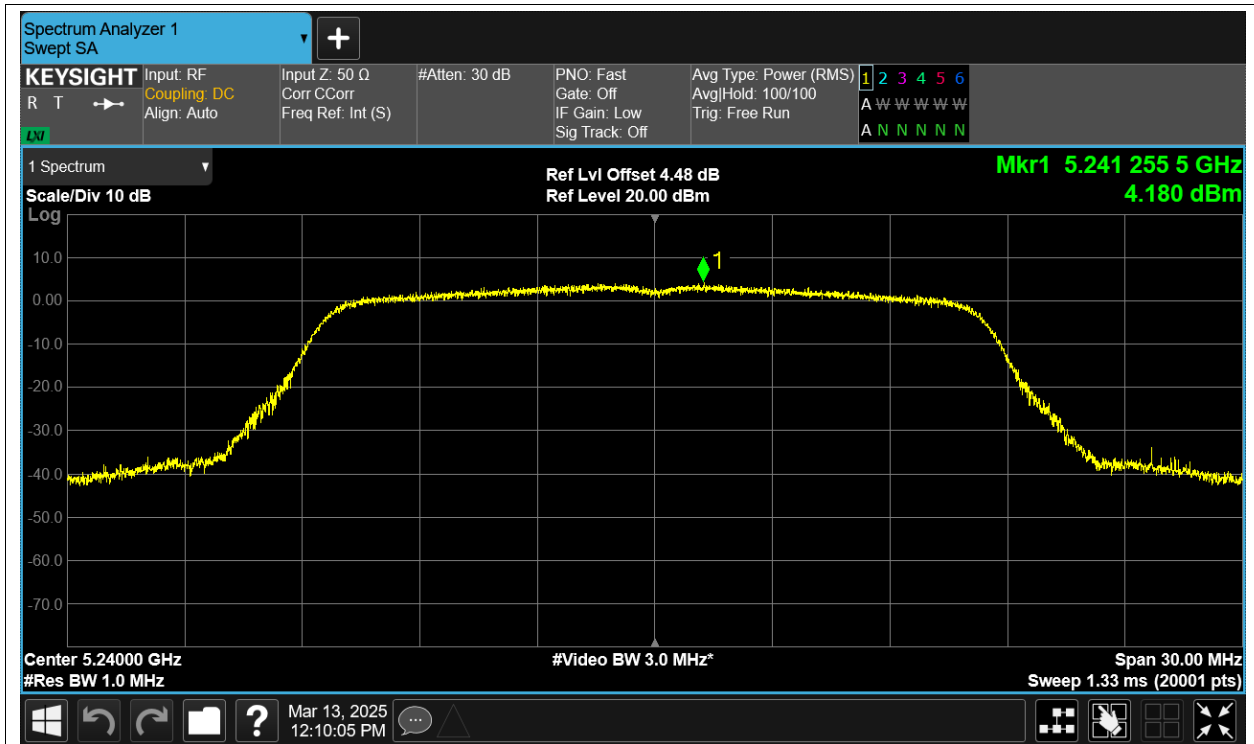
PSD NVNT a 5180MHz Ant3



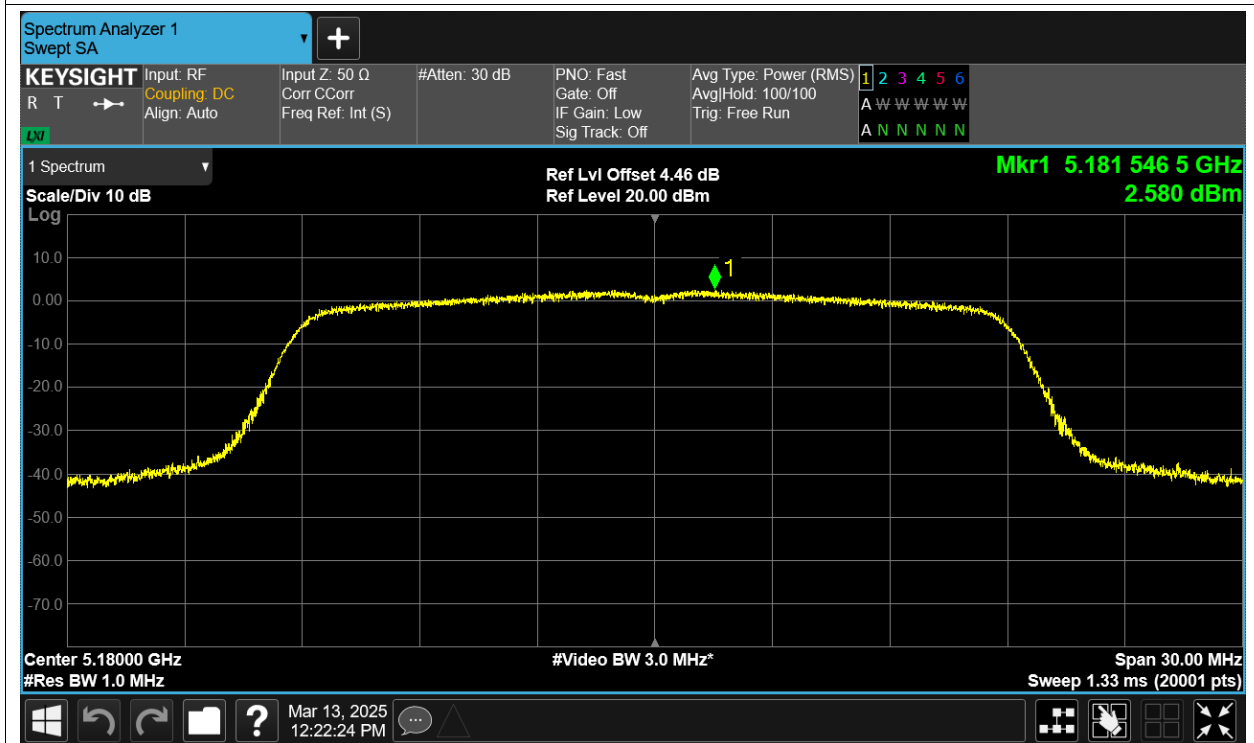
PSD NVNT a 5200MHz Ant3



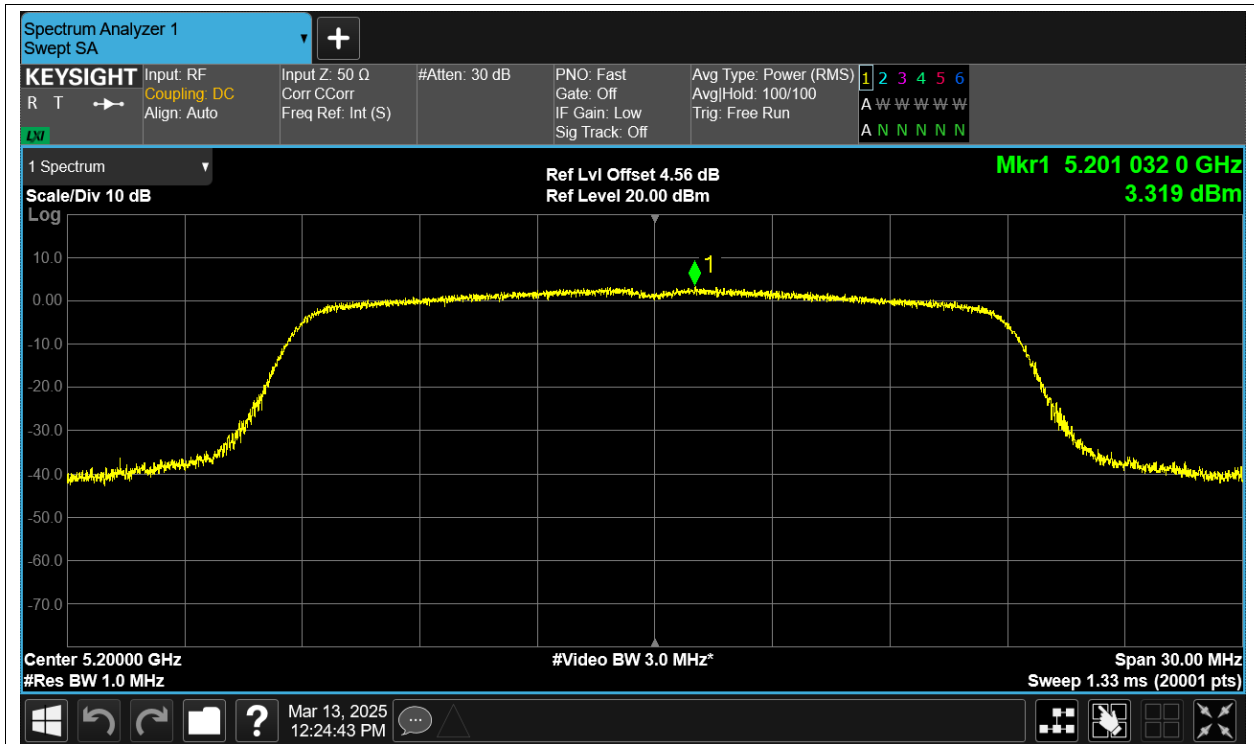
PSD NVNT a 5240MHz Ant3



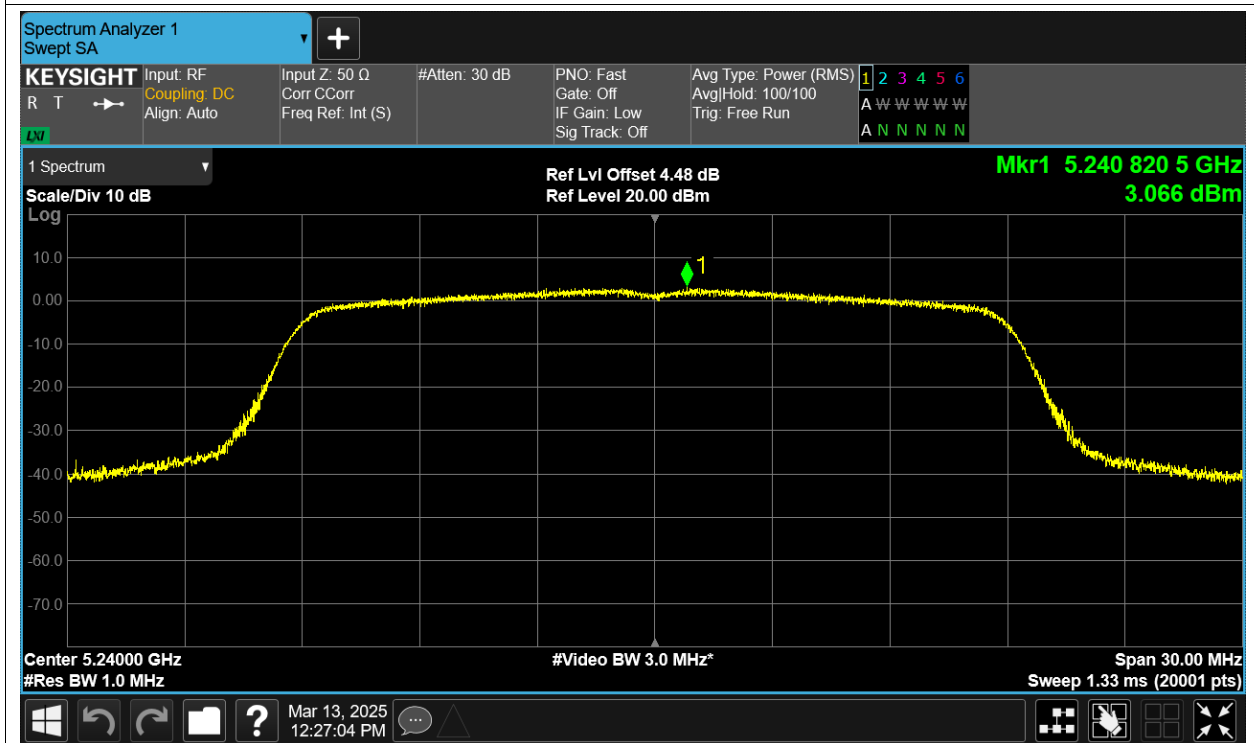
PSD NVNT ac20 5180MHz Ant3



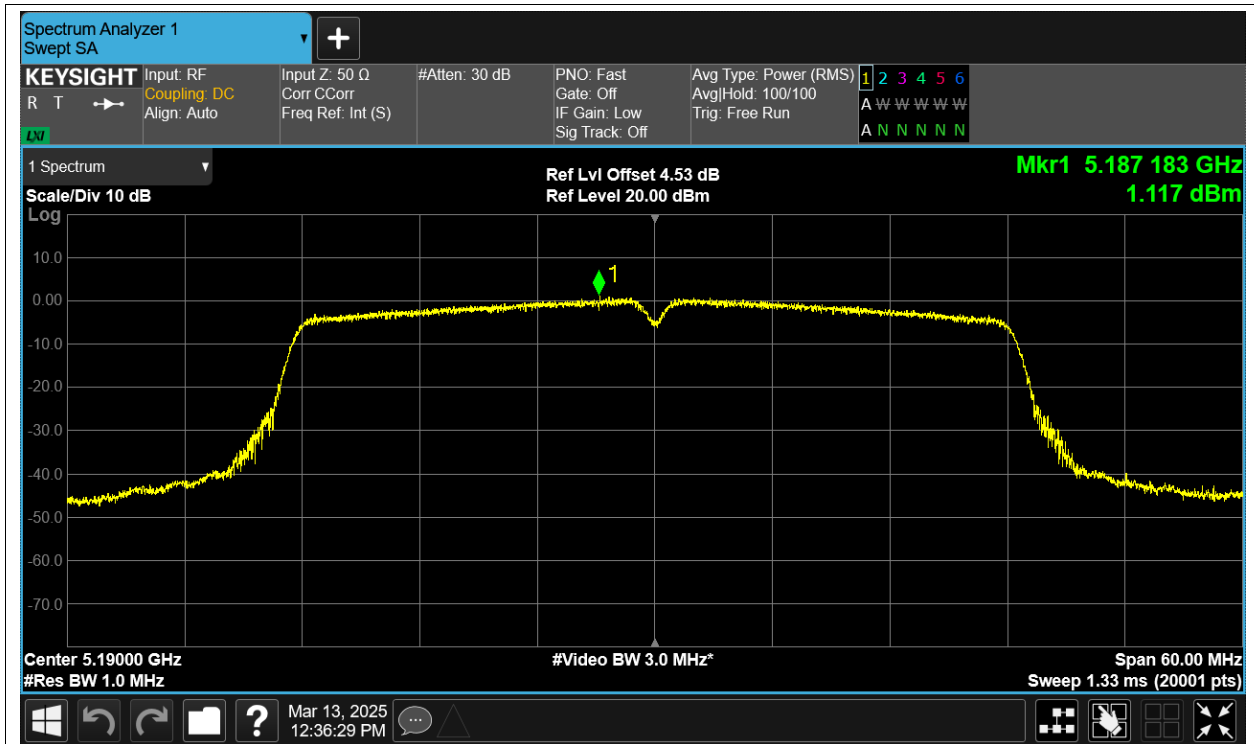
PSD NVNT ac20 5200MHz Ant3



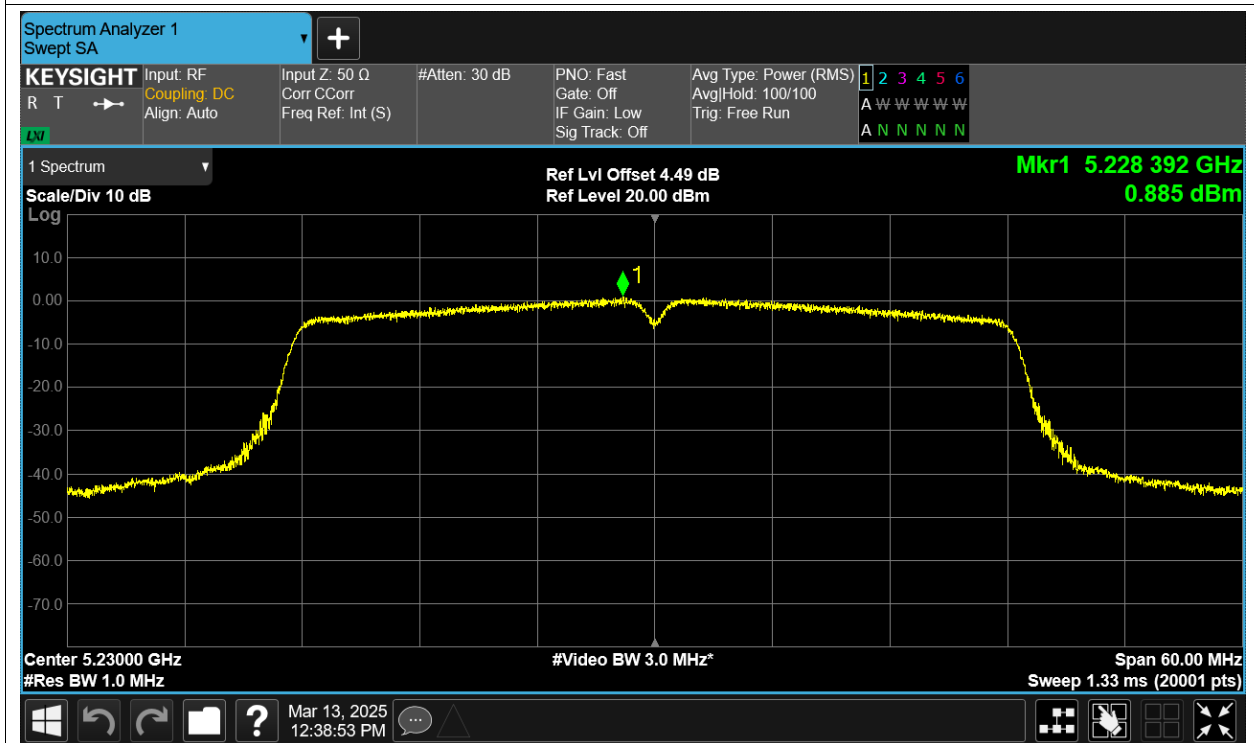
PSD NVNT ac20 5240MHz Ant3



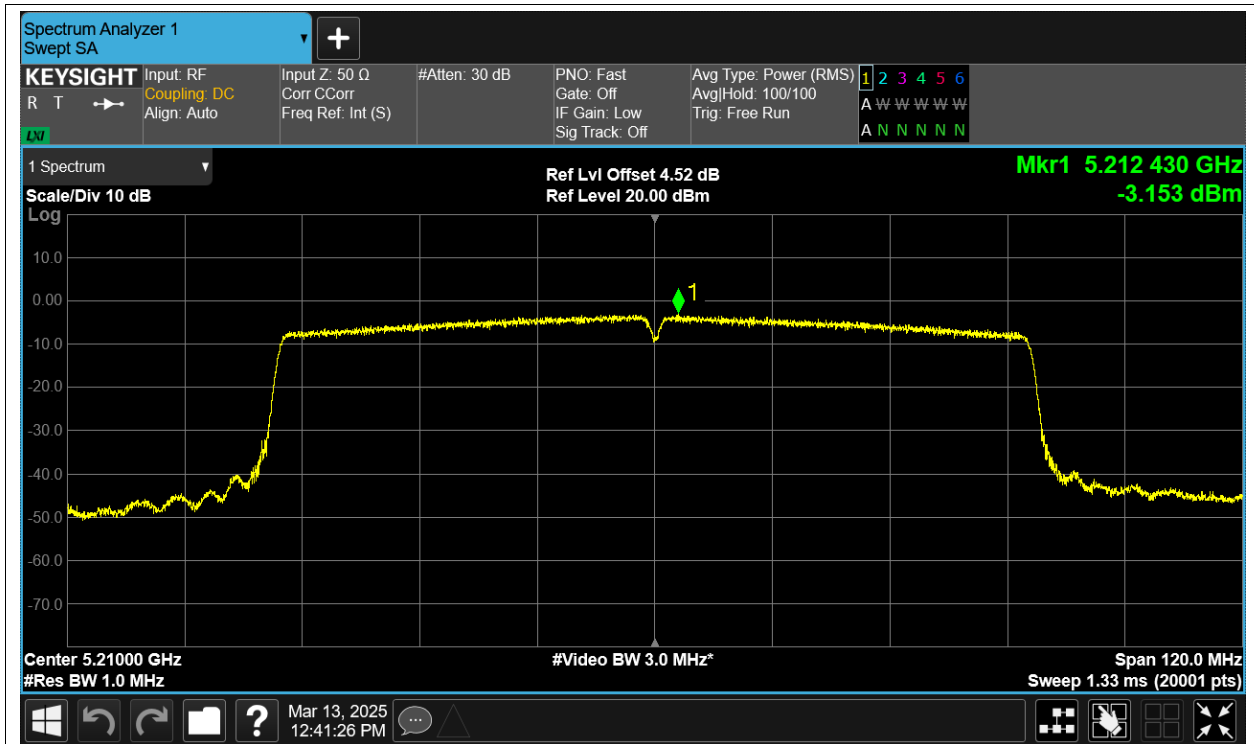
PSD NVNT ac40 5190MHz Ant3



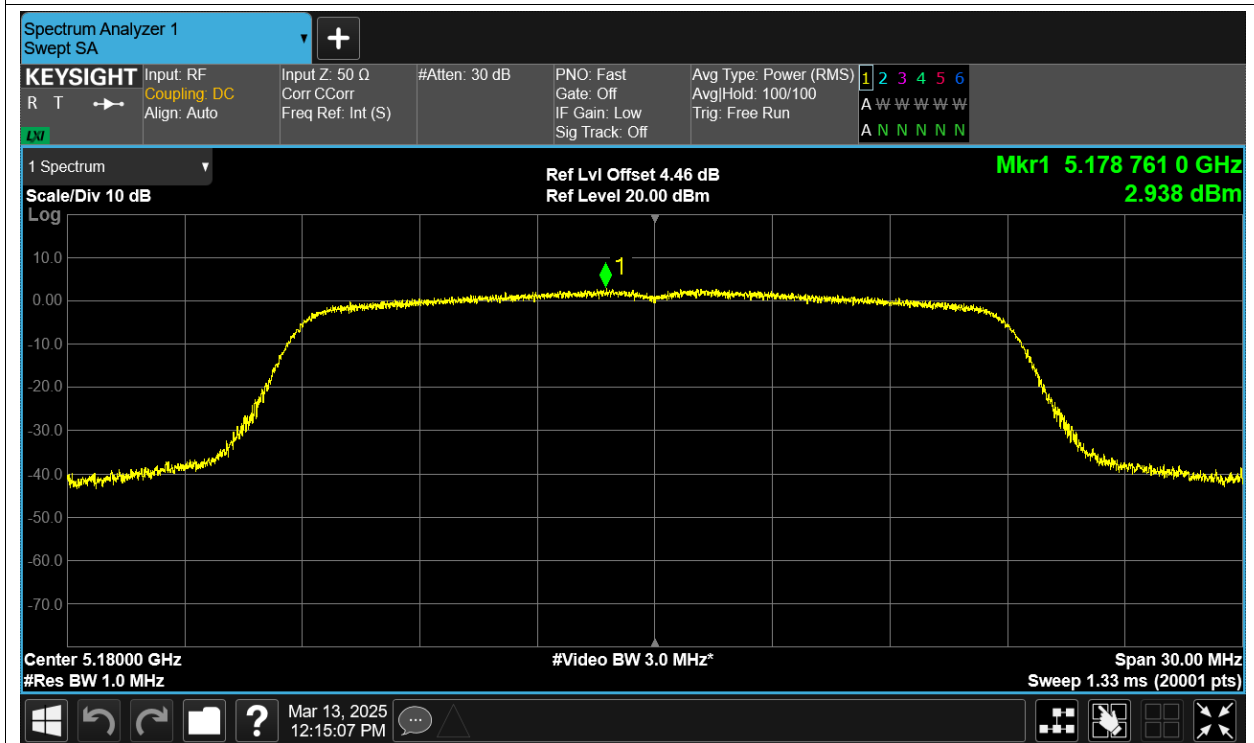
PSD NVNT ac40 5230MHz Ant3



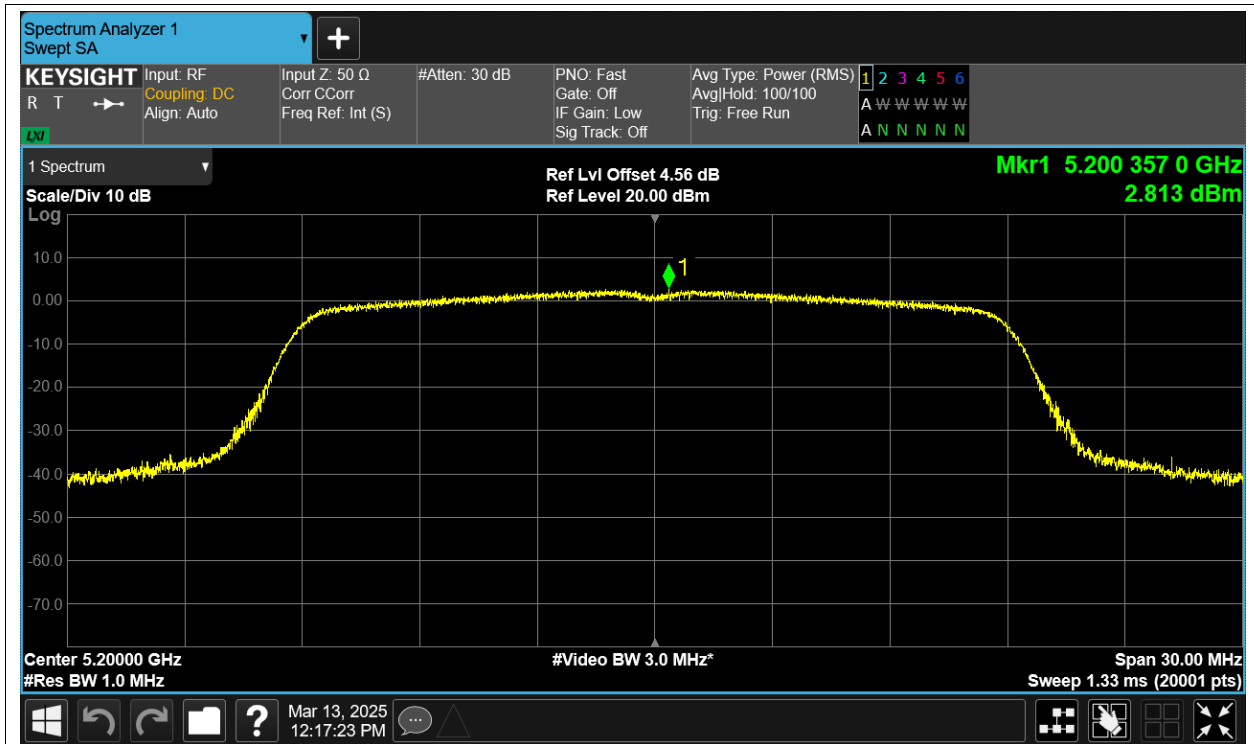
PSD NVNT ac80 5210MHz Ant3



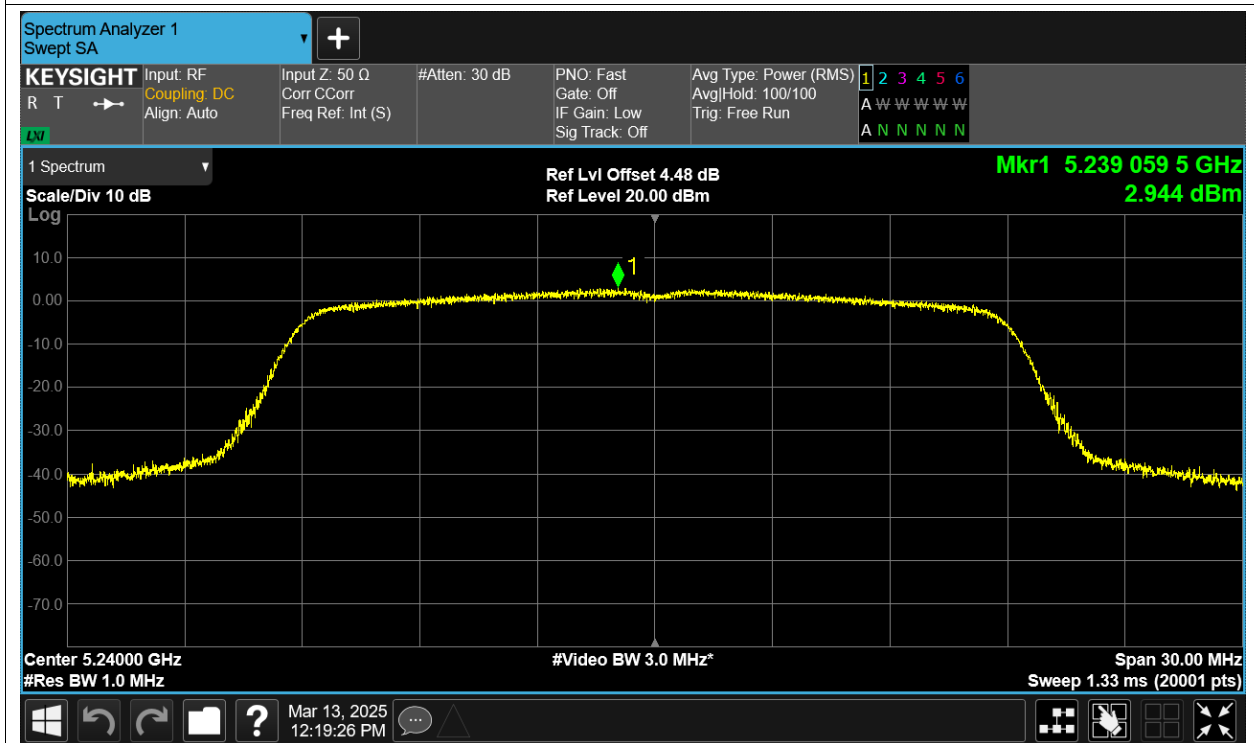
PSD NVNT n20 5180MHz Ant3



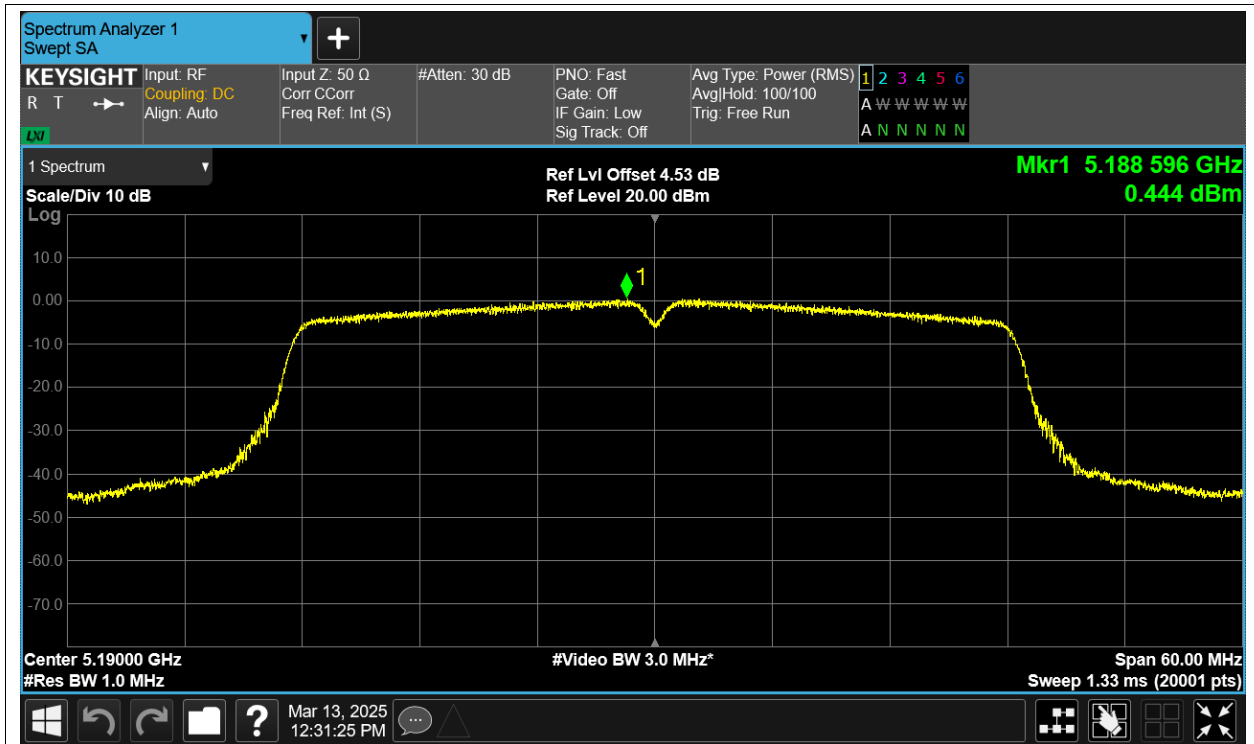
PSD NVNT n20 5200MHz Ant3



PSD NVNT n20 5240MHz Ant3



PSD NVNT n40 5190MHz Ant3



PSD NVNT n40 5230MHz Ant3

