

Test Data

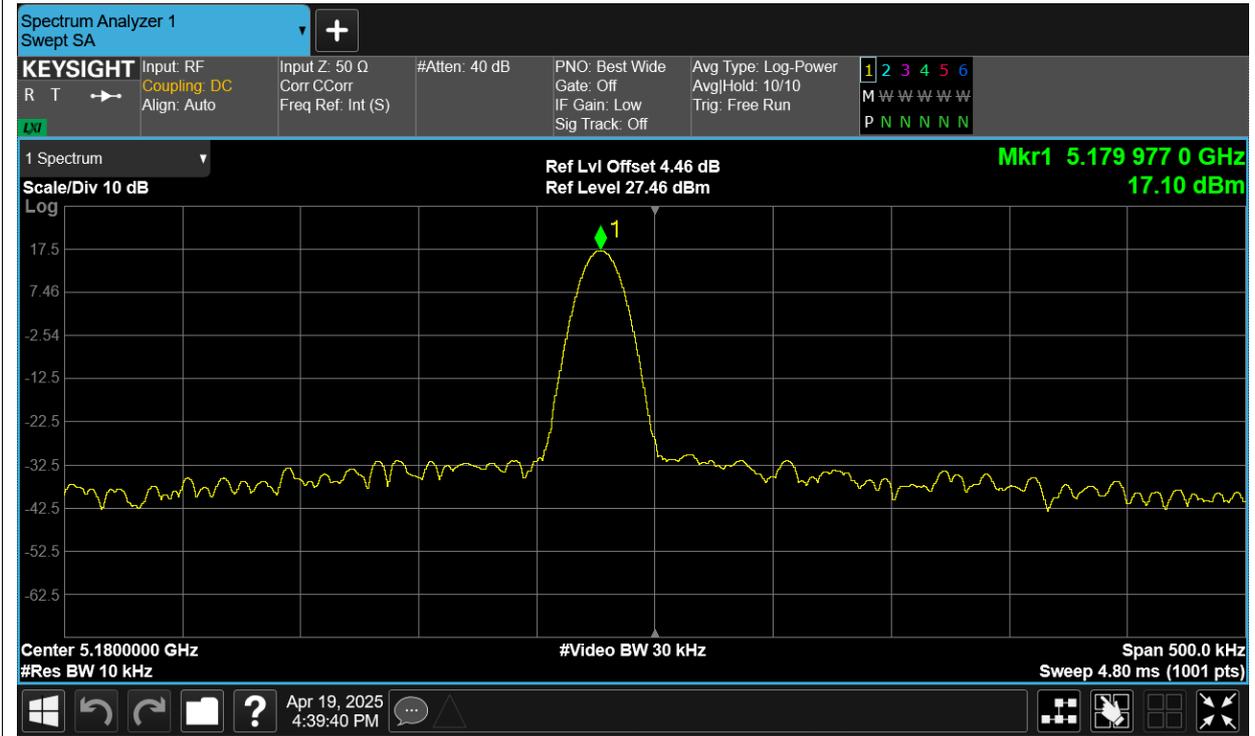
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant12	5179.977	-4.44	Within authorized band	Pass
LVNT	a	5180	Ant12	5179.977	-4.44		Pass
NVHT	a	5180	Ant12	5179.977	-4.44		Pass
NVLT	a	5180	Ant12	5179.977	-4.44		Pass
NVNT	a	5180	Ant12	5179.978	-4.25		Pass
HVNT	ac80	5210	Ant12	5209.976	-4.61		Pass
LVNT	ac80	5210	Ant12	5209.976	-4.61		Pass
NVHT	ac80	5210	Ant12	5209.9755	-4.7		Pass
NVLT	ac80	5210	Ant12	5209.9755	-4.7		Pass
NVNT	ac80	5210	Ant12	5209.975822532	-4.64		Pass
HVNT	n40	5190	Ant12	5189.976	-4.62		Pass
LVNT	n40	5190	Ant12	5189.976	-4.62		Pass
NVHT	n40	5190	Ant12	5189.976	-4.62		Pass
NVLT	n40	5190	Ant12	5189.976	-4.62		Pass
NVNT	n40	5190	Ant12	5189.976	-4.62		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

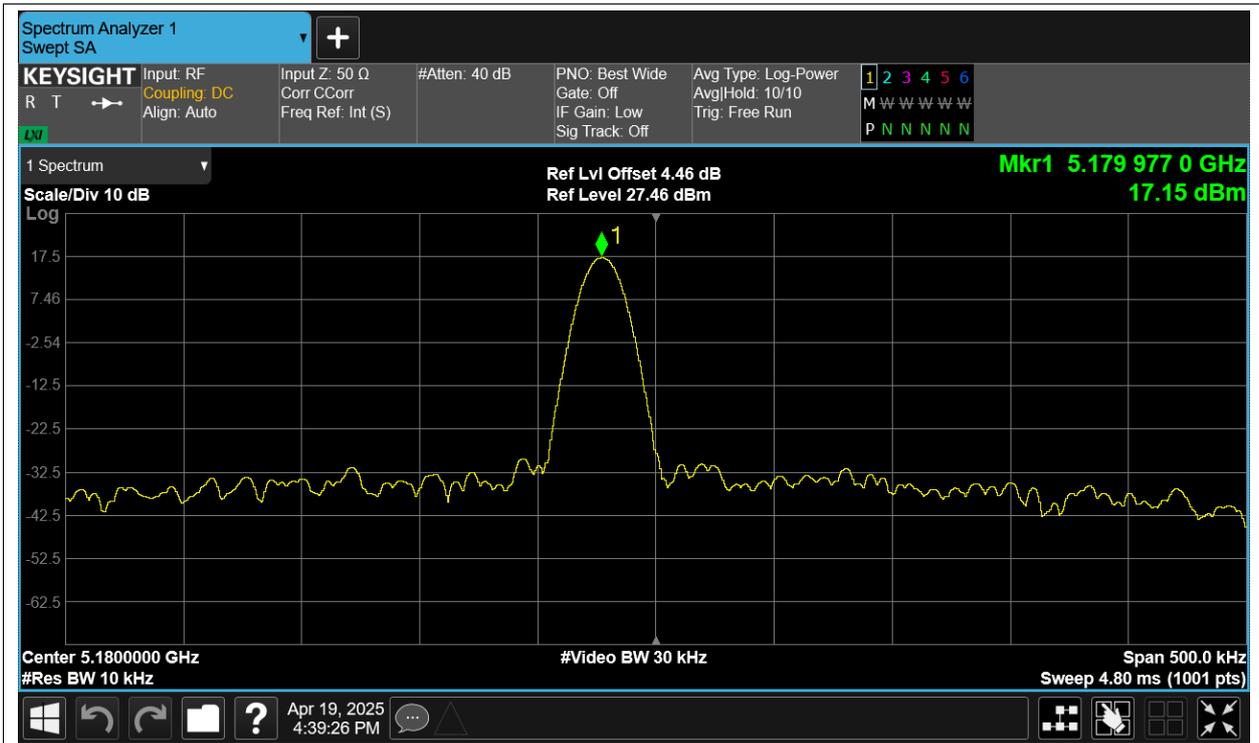
Freq. Stability HVNT a 5180MHz Ant12



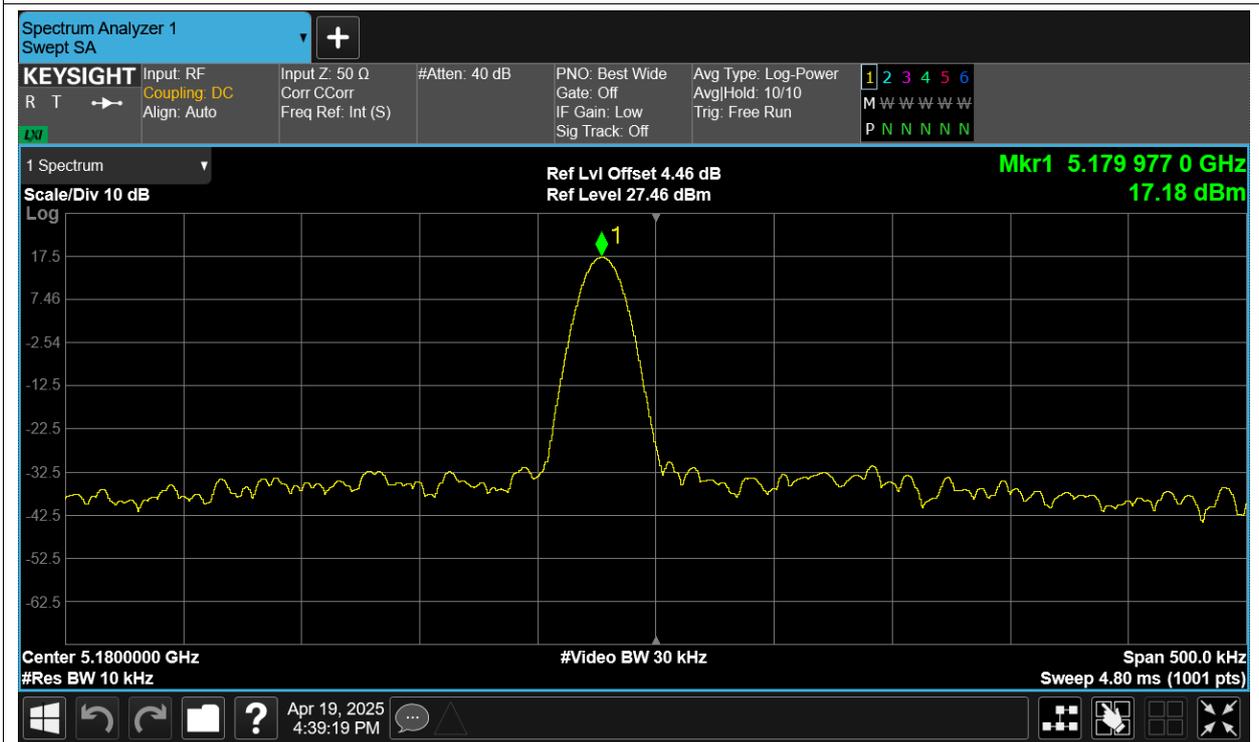
Freq. Stability LVNT a 5180MHz Ant12



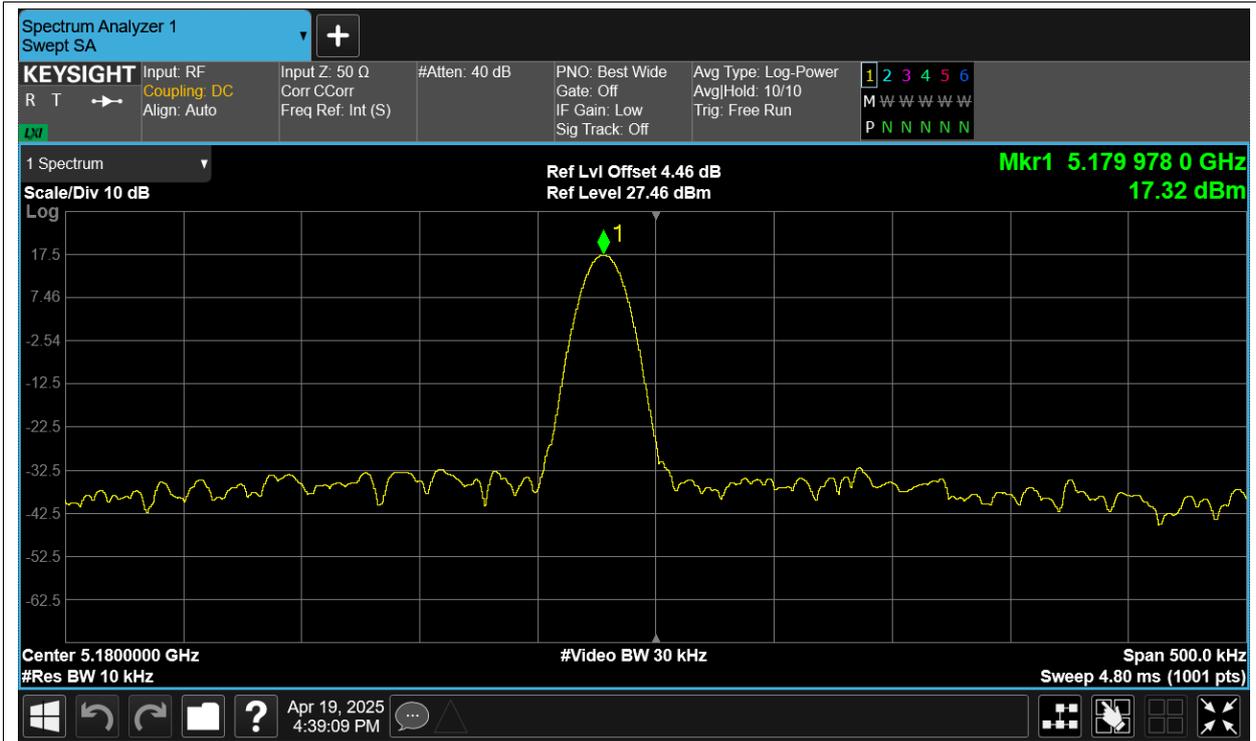
Freq. Stability NVHT a 5180MHz Ant12



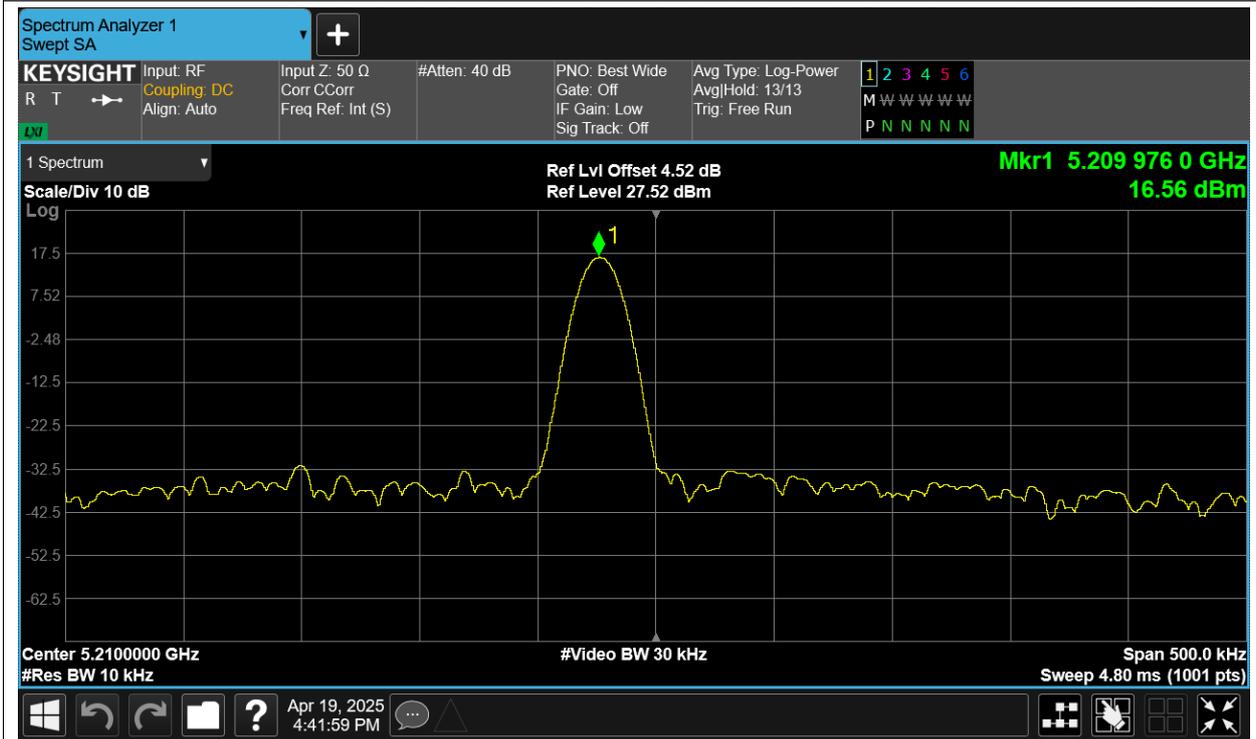
Freq. Stability NVLT a 5180MHz Ant12



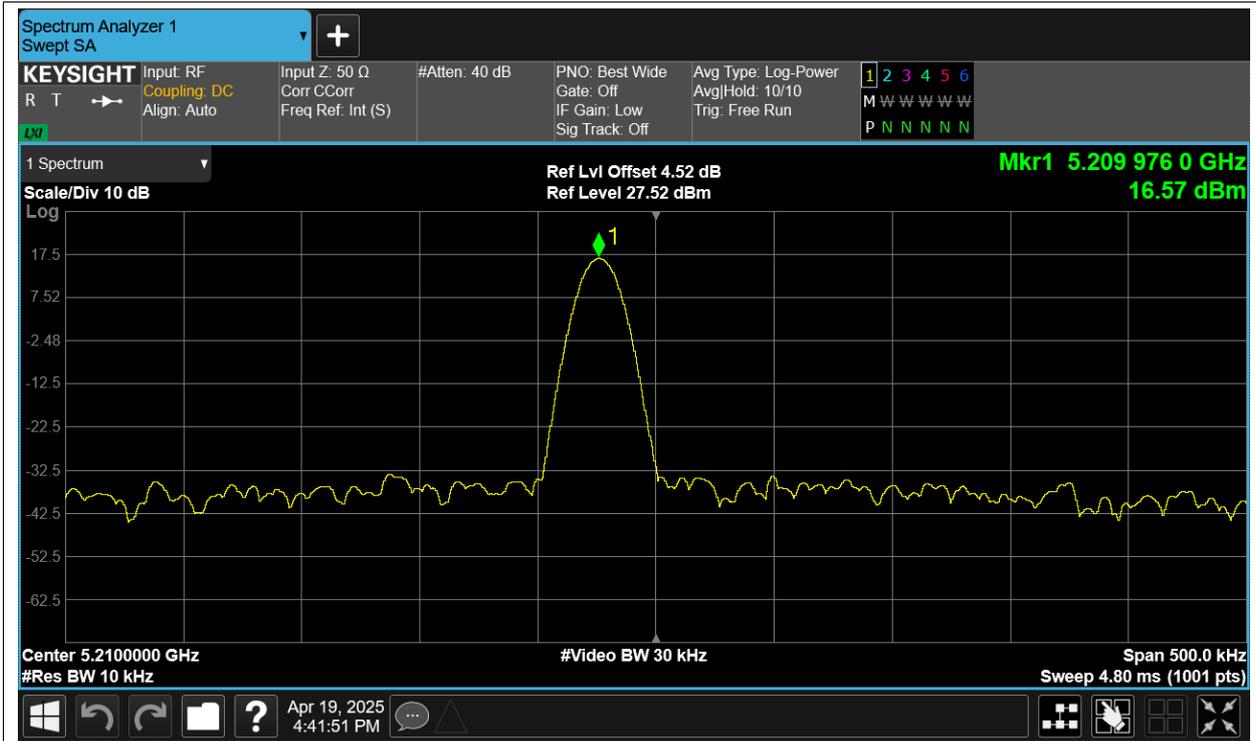
Freq. Stability NVNT a 5180MHz Ant12



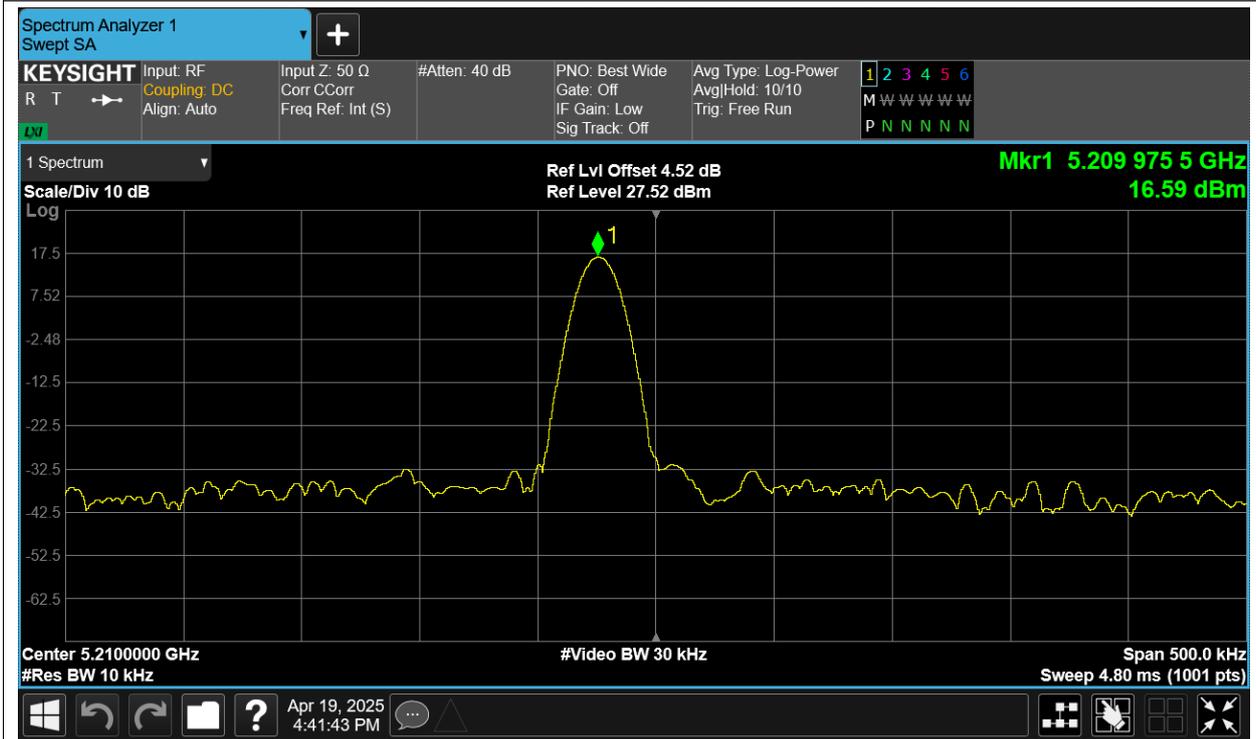
Freq. Stability HVNT ac80 5210MHz Ant12



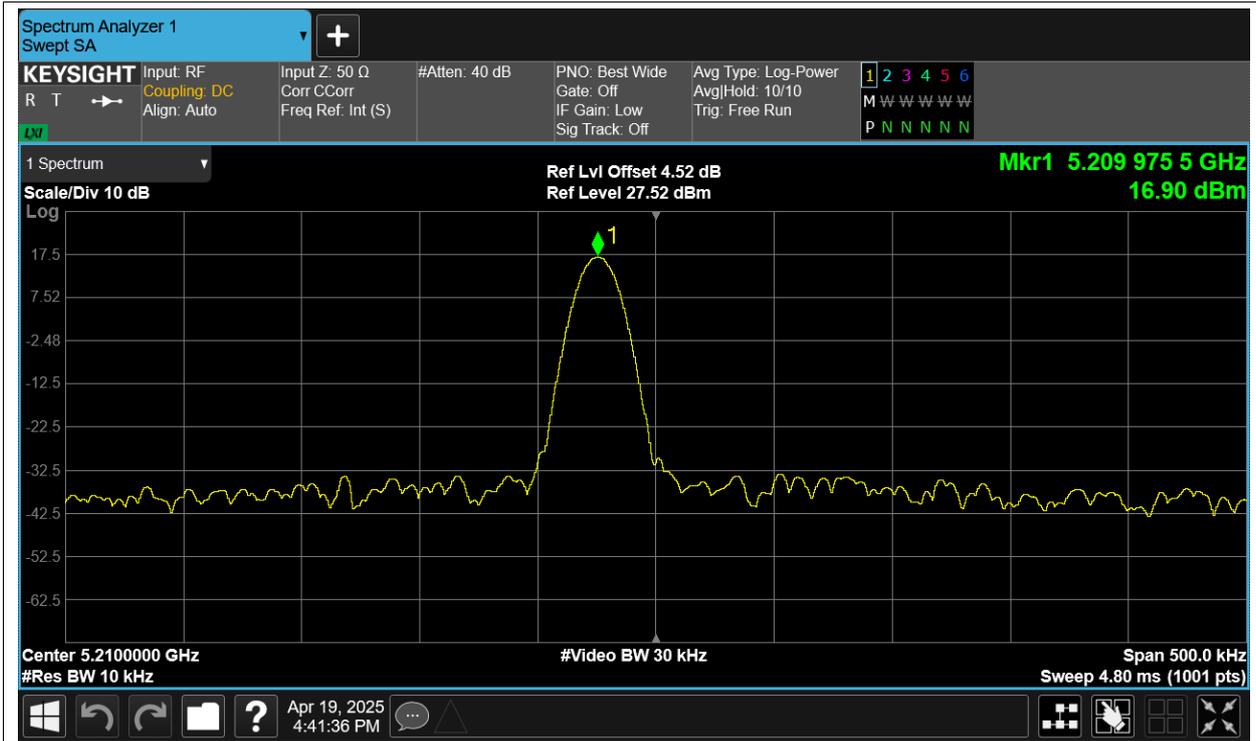
Freq. Stability LVNT ac80 5210MHz Ant12



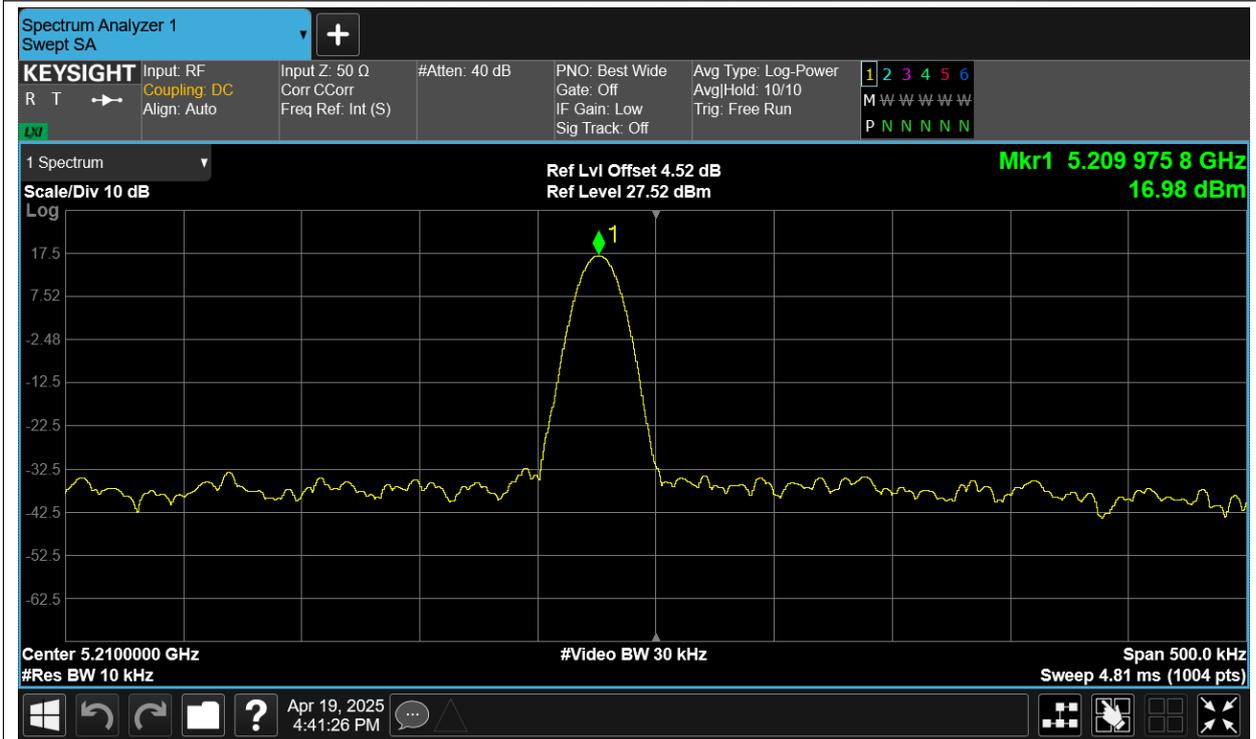
Freq. Stability NVHT ac80 5210MHz Ant12



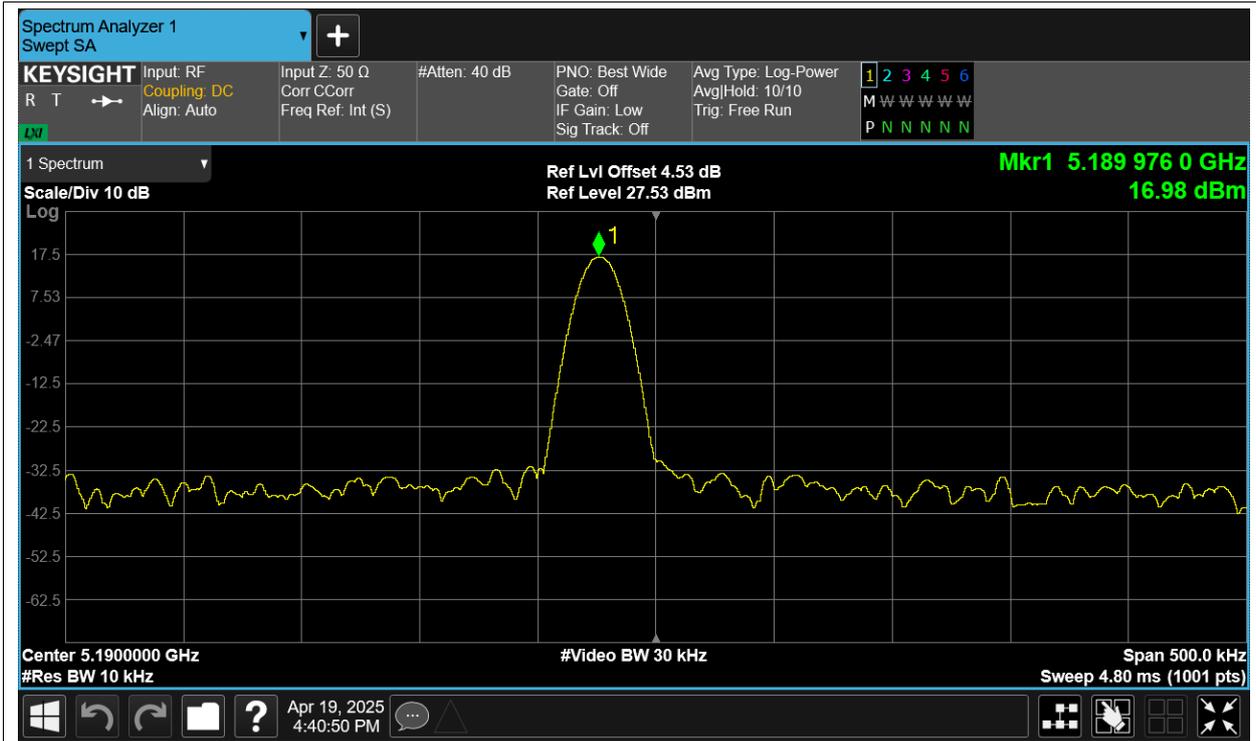
Freq. Stability NVLT ac80 5210MHz Ant12



Freq. Stability NVNT ac80 5210MHz Ant12



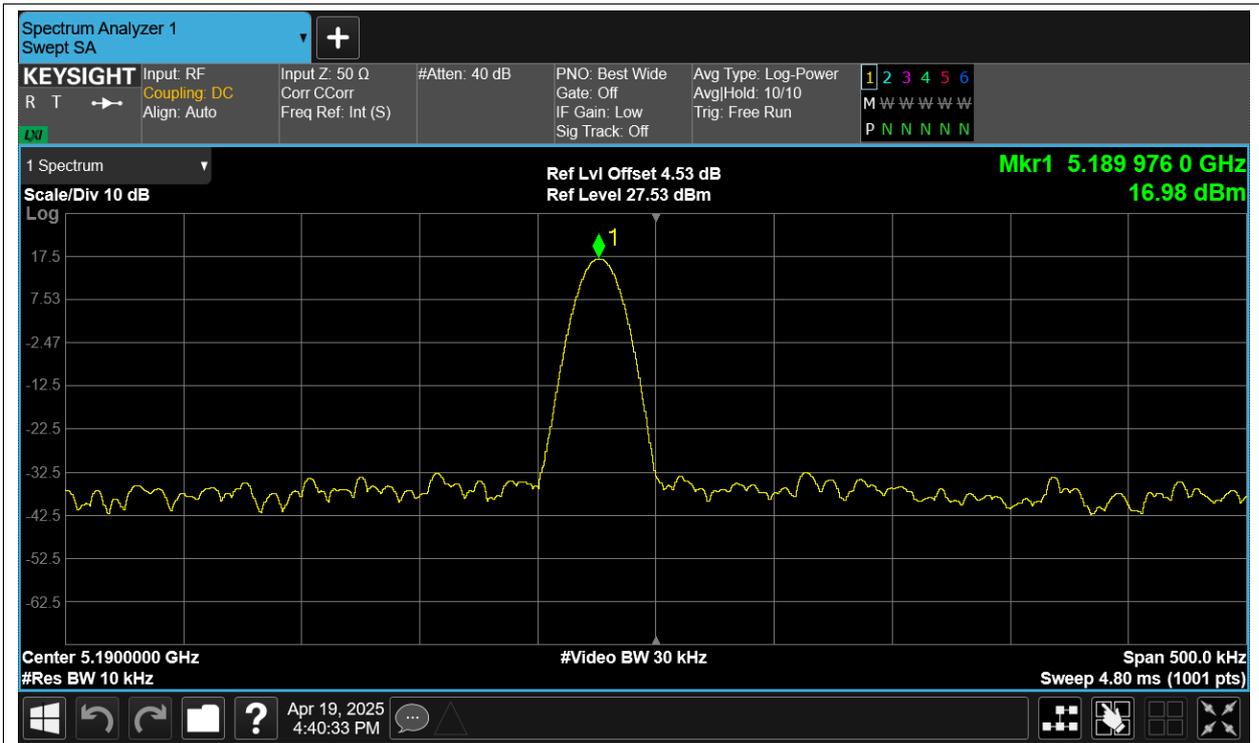
Freq. Stability HVNT n40 5190MHz Ant12



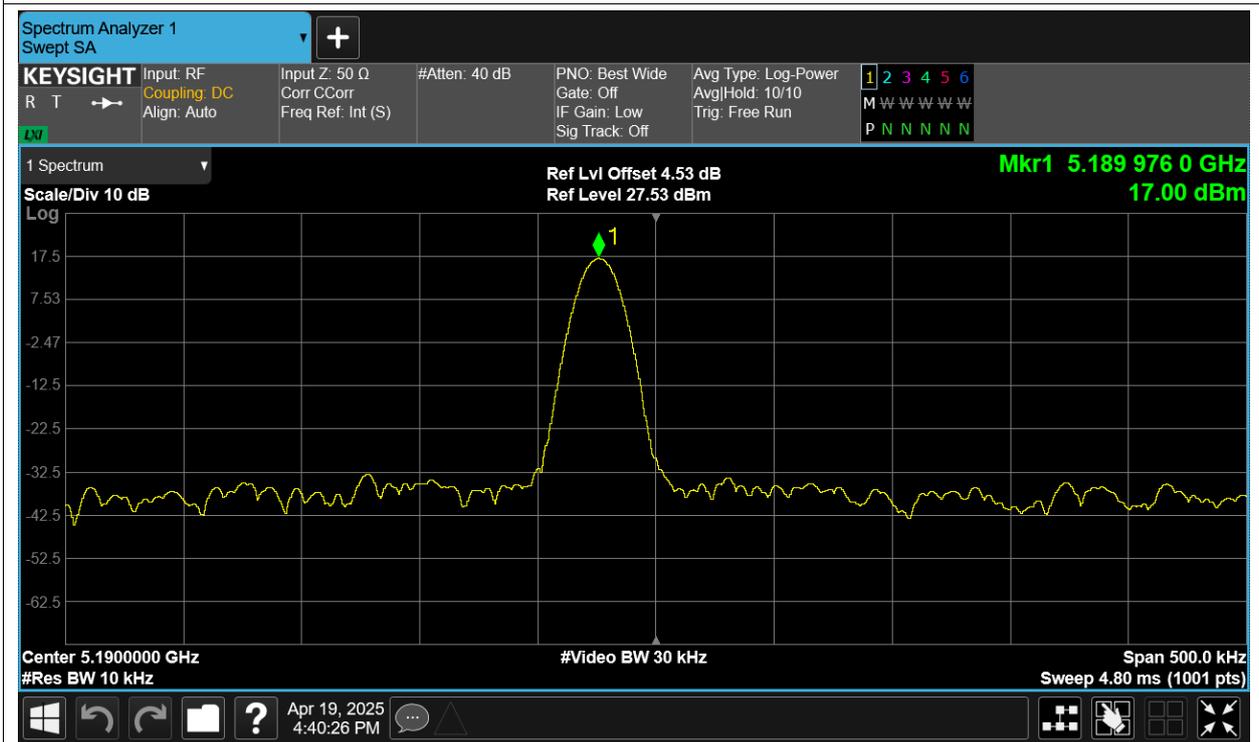
Freq. Stability LVNT n40 5190MHz Ant12



Freq. Stability NVHT n40 5190MHz Ant12



Freq. Stability NVLT n40 5190MHz Ant12



Freq. Stability NVNT n40 5190MHz Ant12

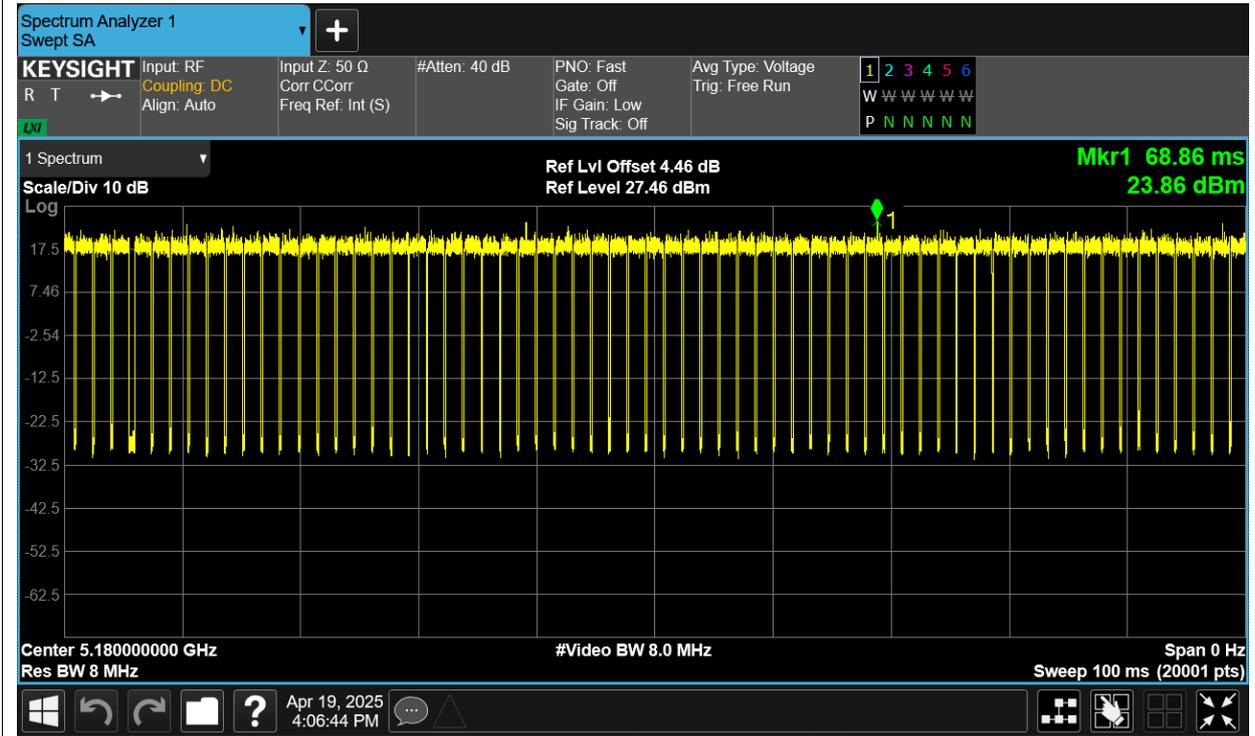


Duty Cycle

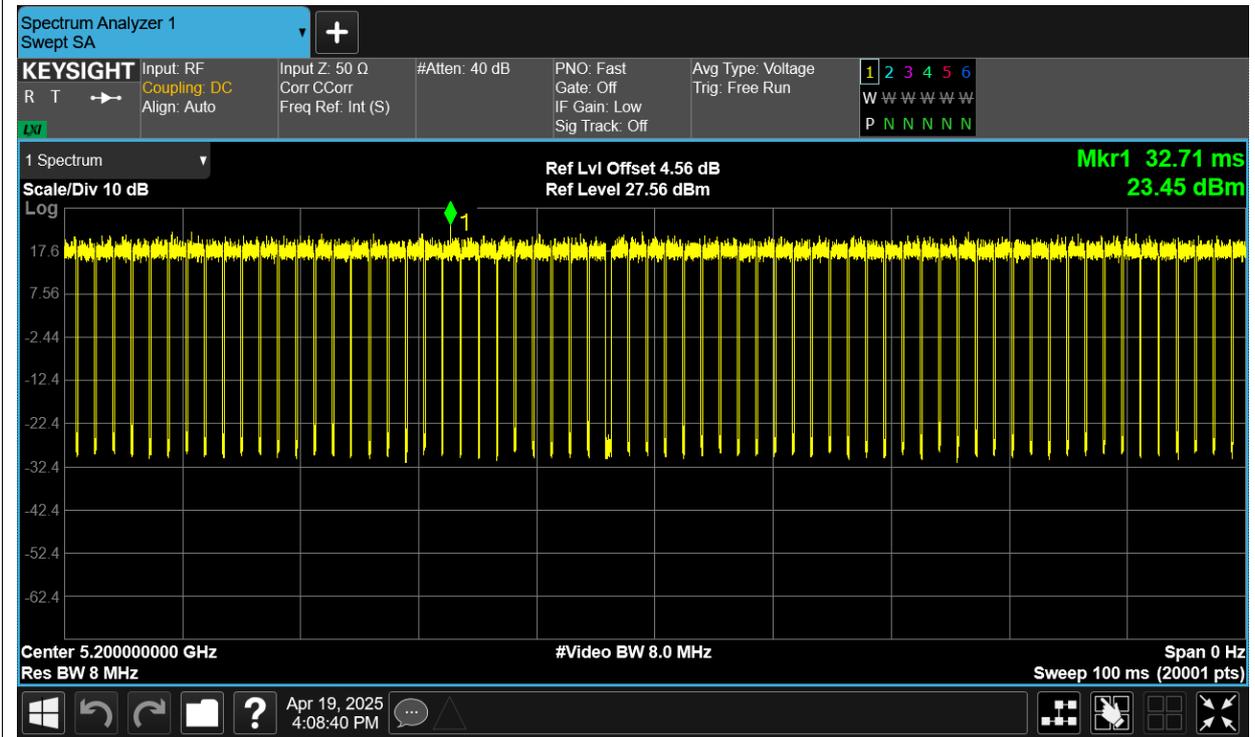
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant12	100	0
NVNT	a	5200	Ant12	100	0
NVNT	a	5240	Ant12	100	0
NVNT	ac20	5180	Ant12	100	0
NVNT	ac20	5200	Ant12	100	0
NVNT	ac20	5240	Ant12	100	0
NVNT	ac40	5190	Ant12	100	0
NVNT	ac40	5230	Ant12	100	0
NVNT	ac80	5210	Ant12	100	0
NVNT	n20	5180	Ant12	100	0
NVNT	n20	5200	Ant12	100	0
NVNT	n20	5240	Ant12	100	0
NVNT	n40	5190	Ant12	100	0
NVNT	n40	5230	Ant12	100	0

Test Graphs

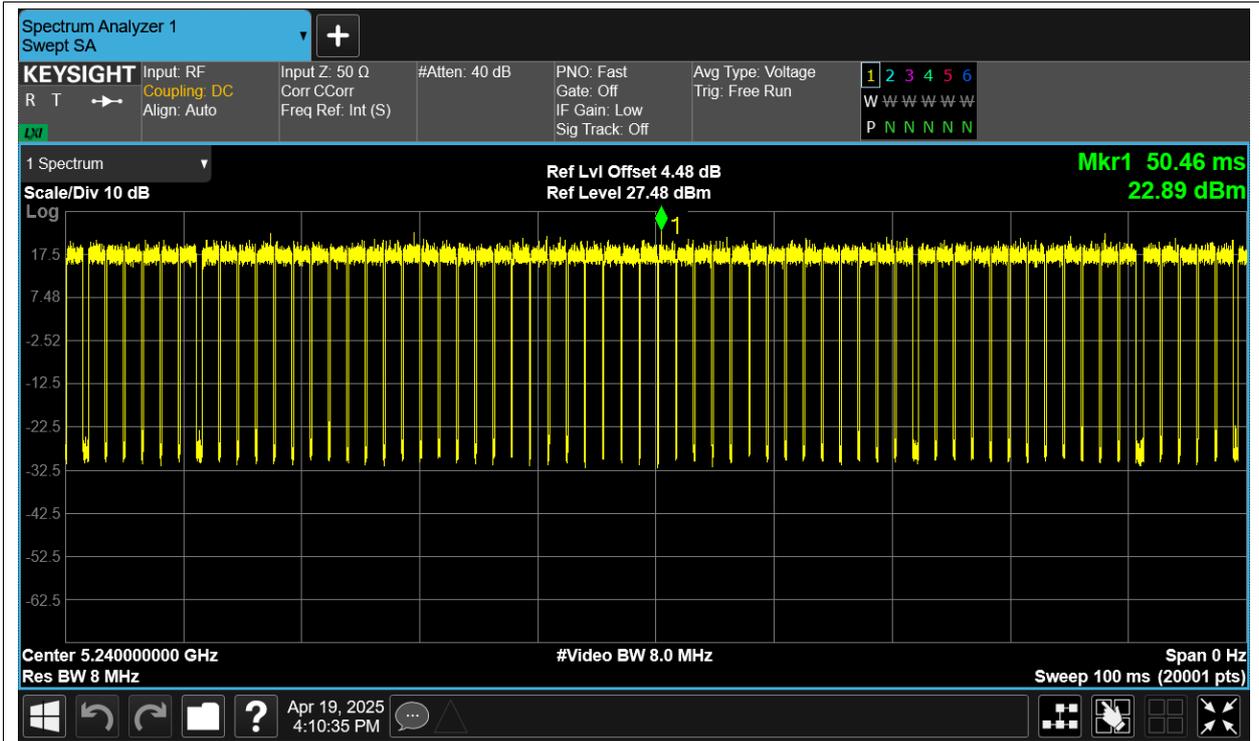
Duty Cycle NVNT a 5180MHz Ant12



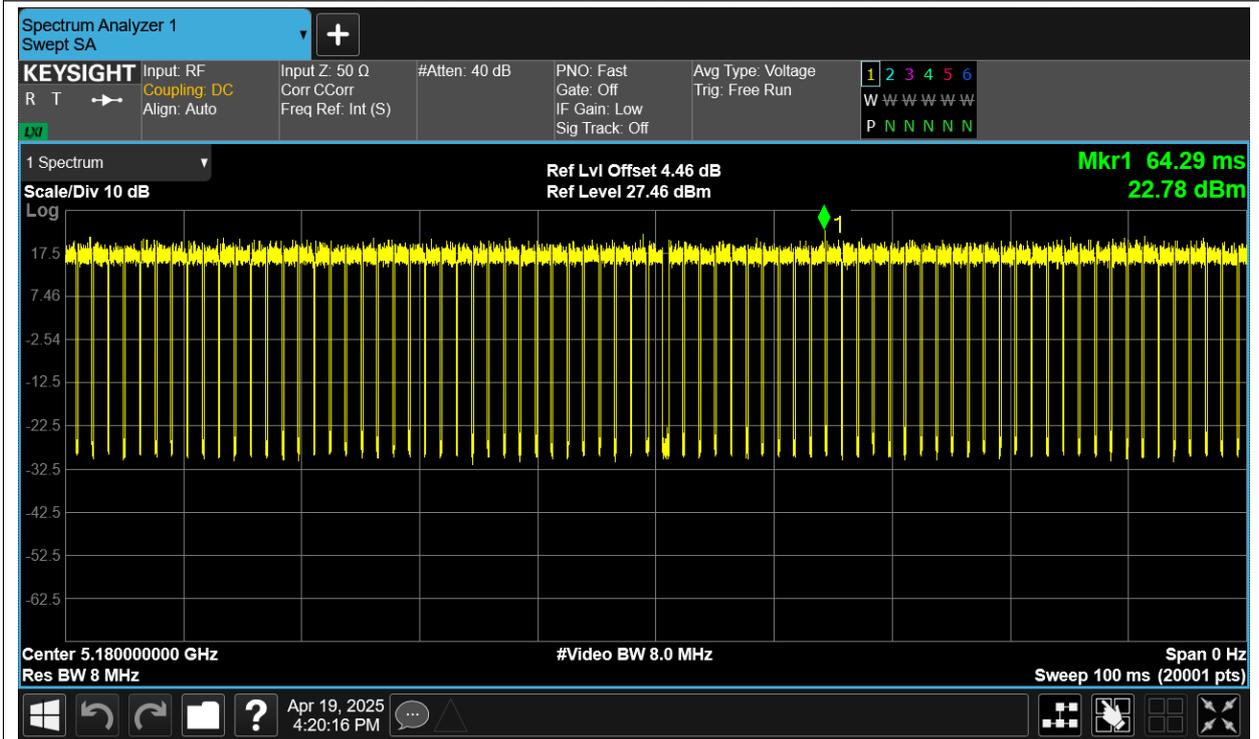
Duty Cycle NVNT a 5200MHz Ant12



Duty Cycle NVNT a 5240MHz Ant12



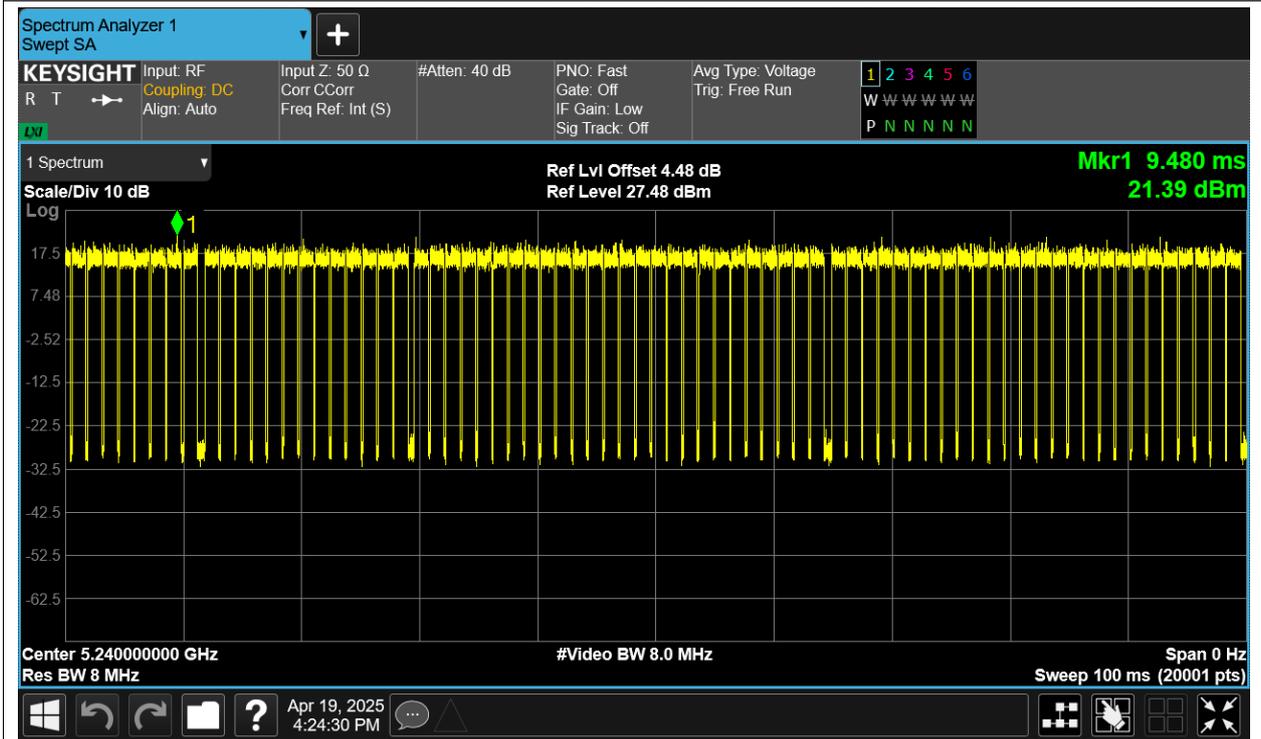
Duty Cycle NVNT ac20 5180MHz Ant12



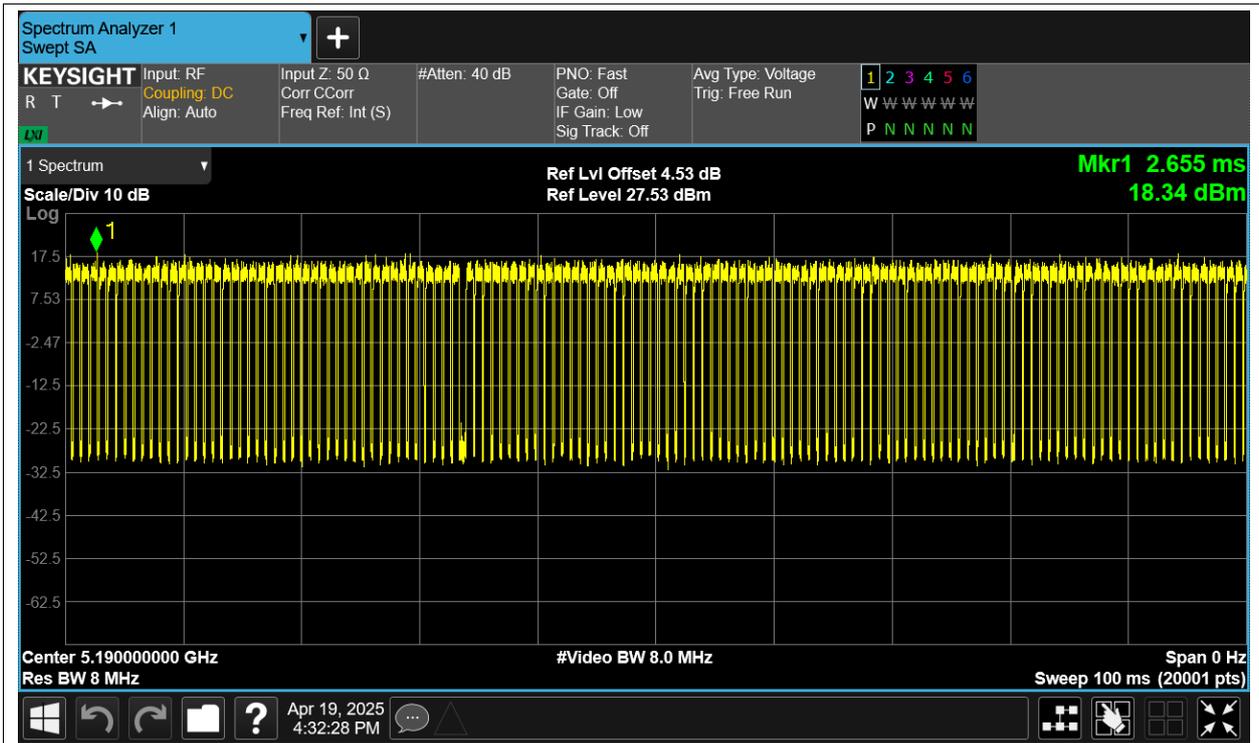
Duty Cycle NVNT ac20 5200MHz Ant12



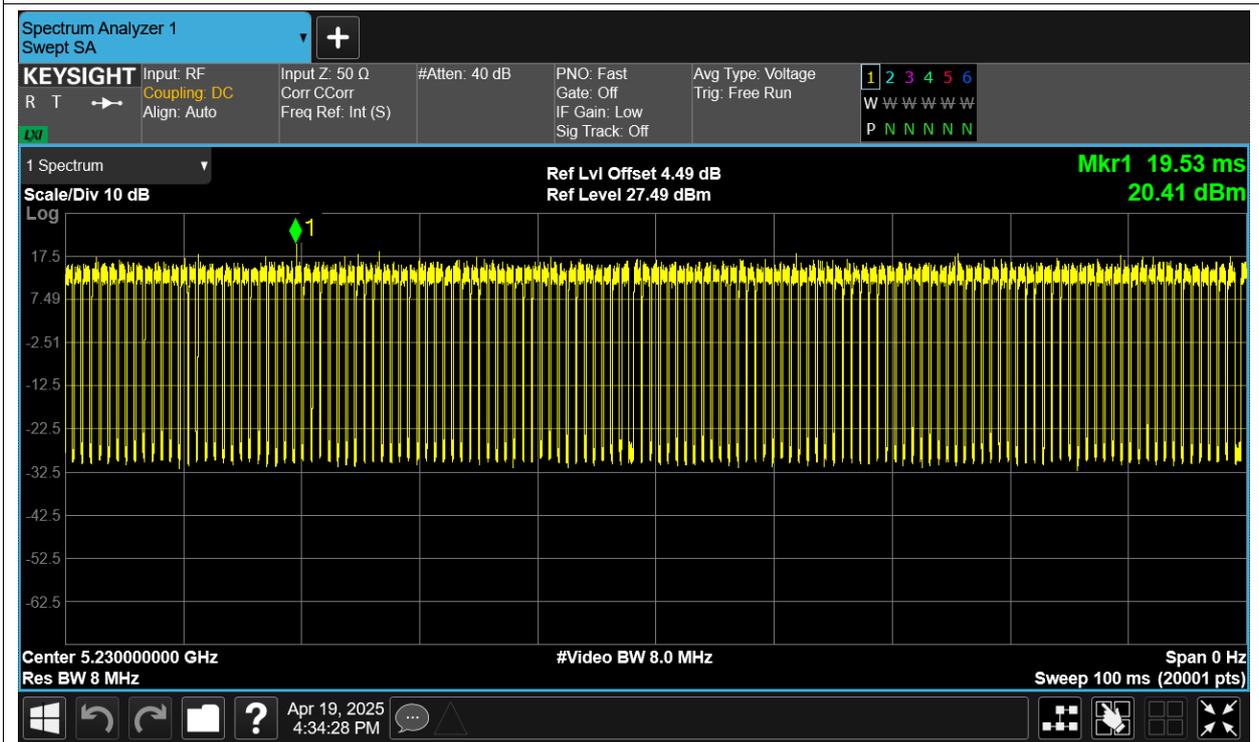
Duty Cycle NVNT ac20 5240MHz Ant12



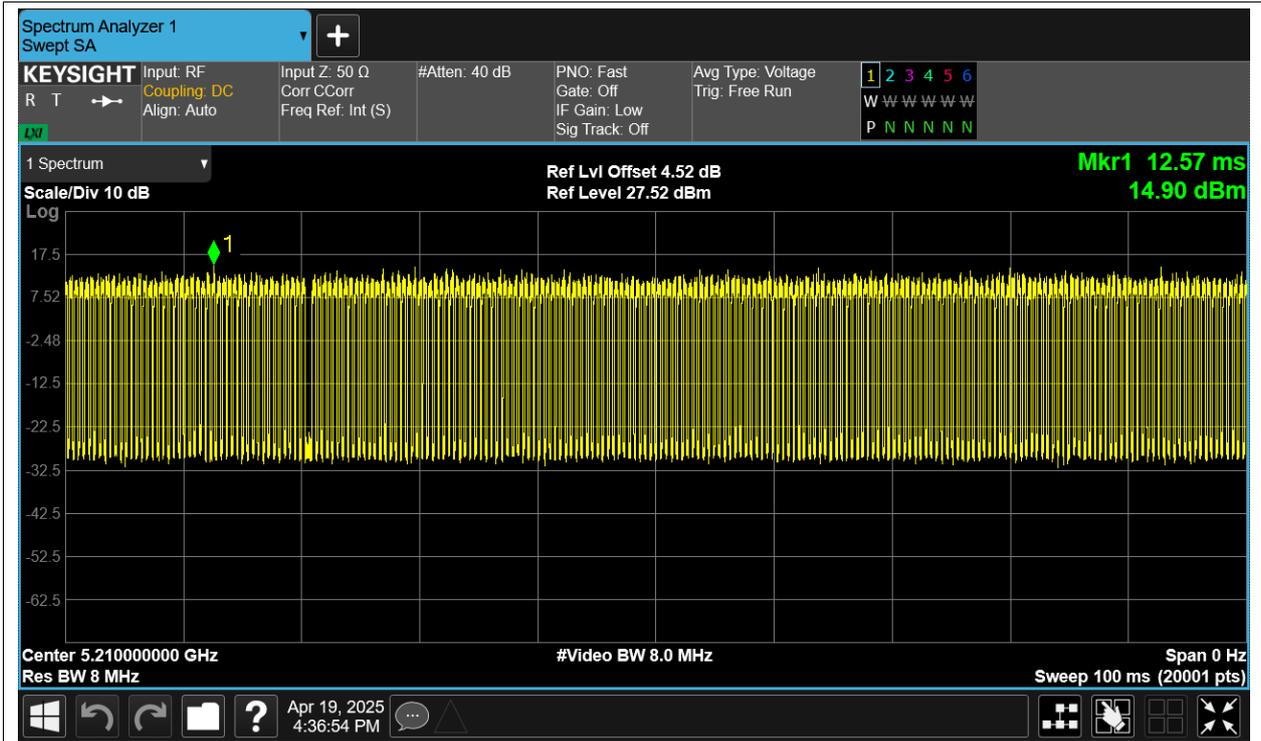
Duty Cycle NVNT ac40 5190MHz Ant12



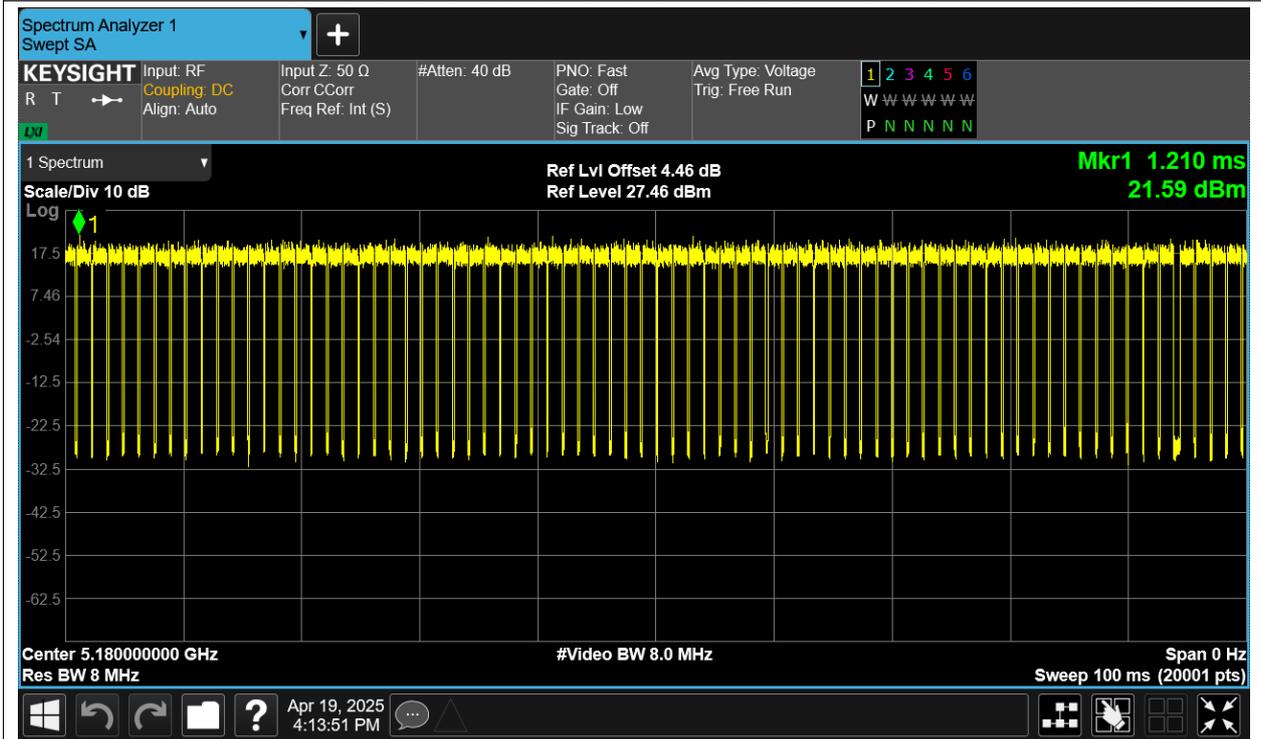
Duty Cycle NVNT ac40 5230MHz Ant12



Duty Cycle NVNT ac80 5210MHz Ant12



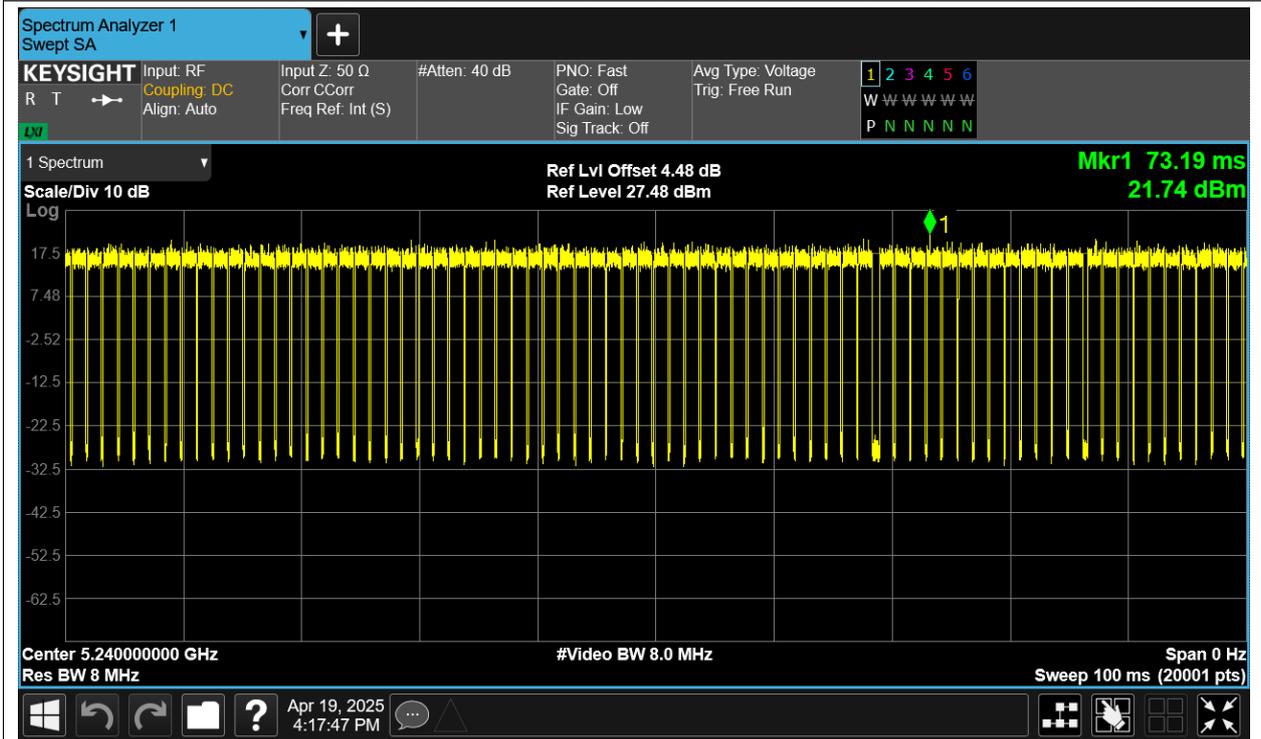
Duty Cycle NVNT n20 5180MHz Ant12



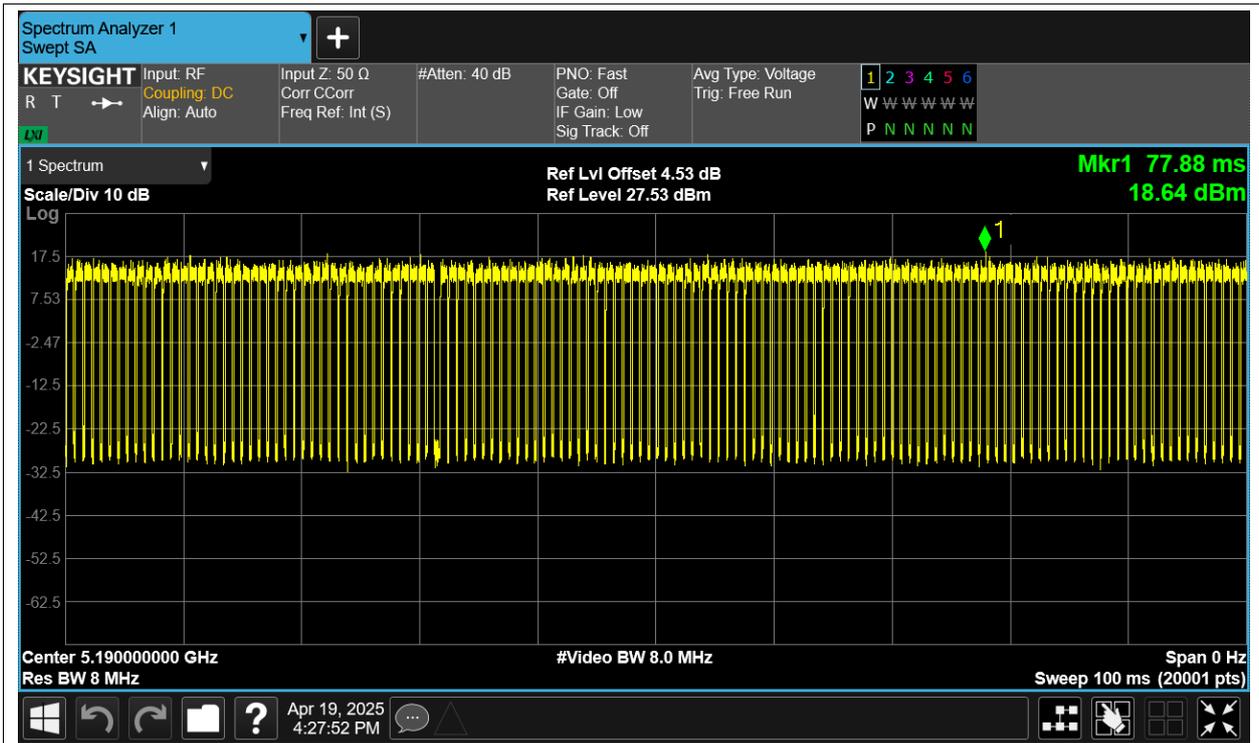
Duty Cycle NVNT n20 5200MHz Ant12



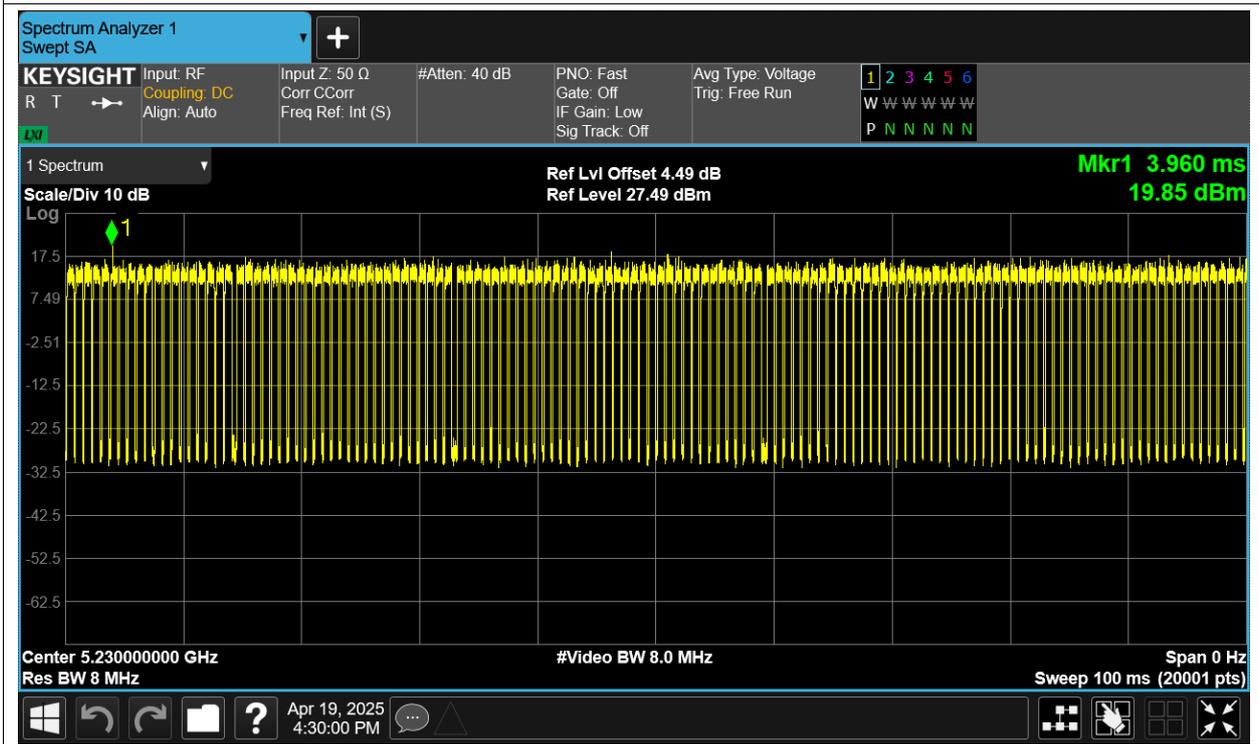
Duty Cycle NVNT n20 5240MHz Ant12



Duty Cycle NVNT n40 5190MHz Ant12



Duty Cycle NVNT n40 5230MHz Ant12



Maximum Conducted Output Power

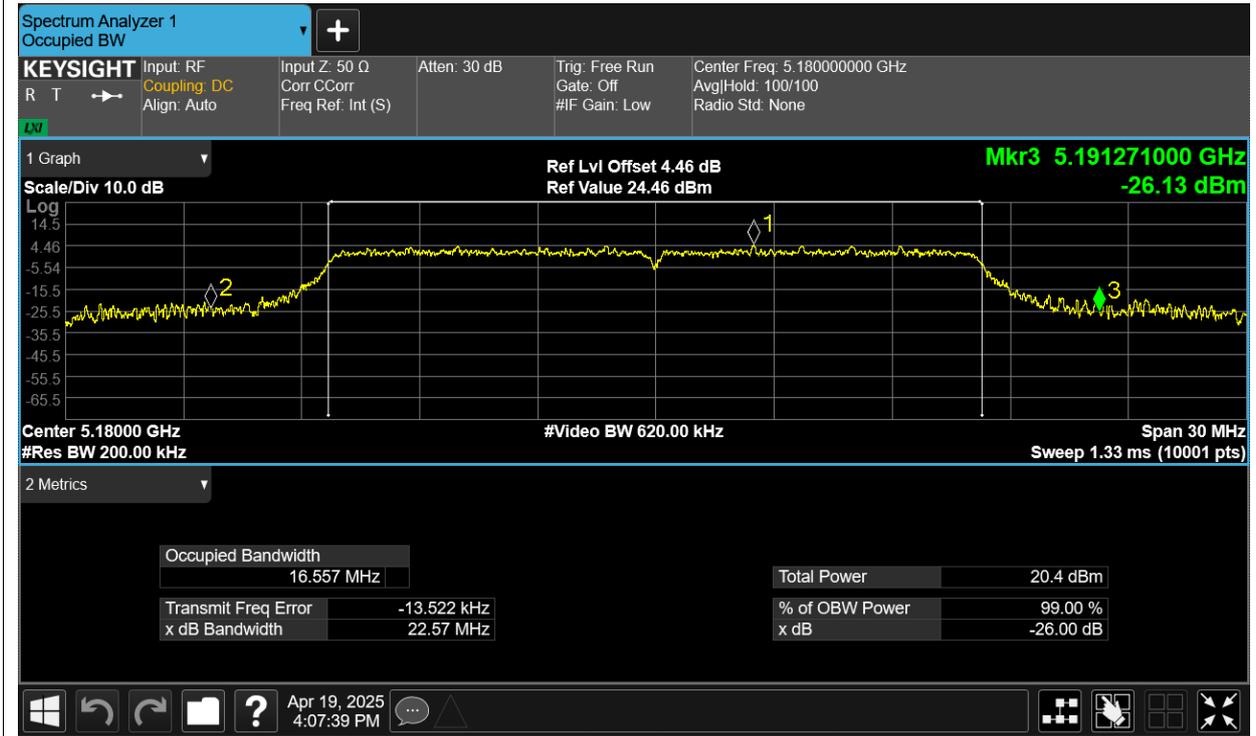
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant12	15.11	0	15.11	24	Pass
NVNT	a	5200	Ant12	14.63	0	14.63	24	Pass
NVNT	a	5240	Ant12	14.55	0	14.55	24	Pass
NVNT	ac20	5180	Ant12	13.98	0	13.98	24	Pass
NVNT	ac20	5200	Ant12	13.64	0	13.64	24	Pass
NVNT	ac20	5240	Ant12	13.54	0	13.54	24	Pass
NVNT	ac40	5190	Ant12	14.25	0	14.25	23	Pass
NVNT	ac40	5230	Ant12	13.97	0	13.97	24	Pass
NVNT	ac80	5210	Ant12	13.28	0	13.28	24	Pass
NVNT	n20	5180	Ant12	13.9	0	13.9	24	Pass
NVNT	n20	5200	Ant12	13.5	0	13.5	24	Pass
NVNT	n20	5240	Ant12	13.49	0	13.49	24	Pass
NVNT	n40	5190	Ant12	14.15	0	14.15	24	Pass
NVNT	n40	5230	Ant12	13.95	0	13.95	24	Pass

-26dB Bandwidth

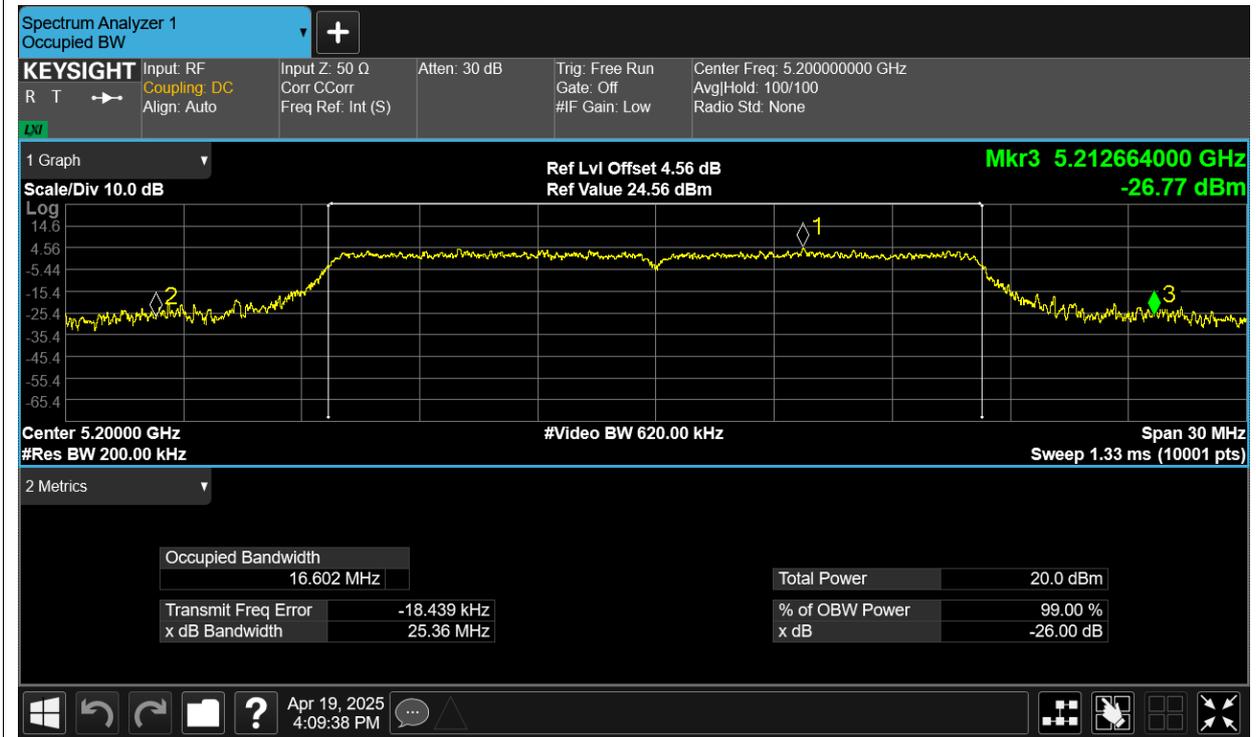
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant12	22.568
NVNT	a	5200	Ant12	25.364
NVNT	a	5240	Ant12	22.897
NVNT	ac20	5180	Ant12	24.884
NVNT	ac20	5200	Ant12	26.747
NVNT	ac20	5240	Ant12	25.509
NVNT	ac40	5190	Ant12	53.201
NVNT	ac40	5230	Ant12	53.282
NVNT	ac80	5210	Ant12	78.381
NVNT	n20	5180	Ant12	27.275
NVNT	n20	5200	Ant12	26.616
NVNT	n20	5240	Ant12	28.088
NVNT	n40	5190	Ant12	56.681
NVNT	n40	5230	Ant12	57.329

Test Graphs

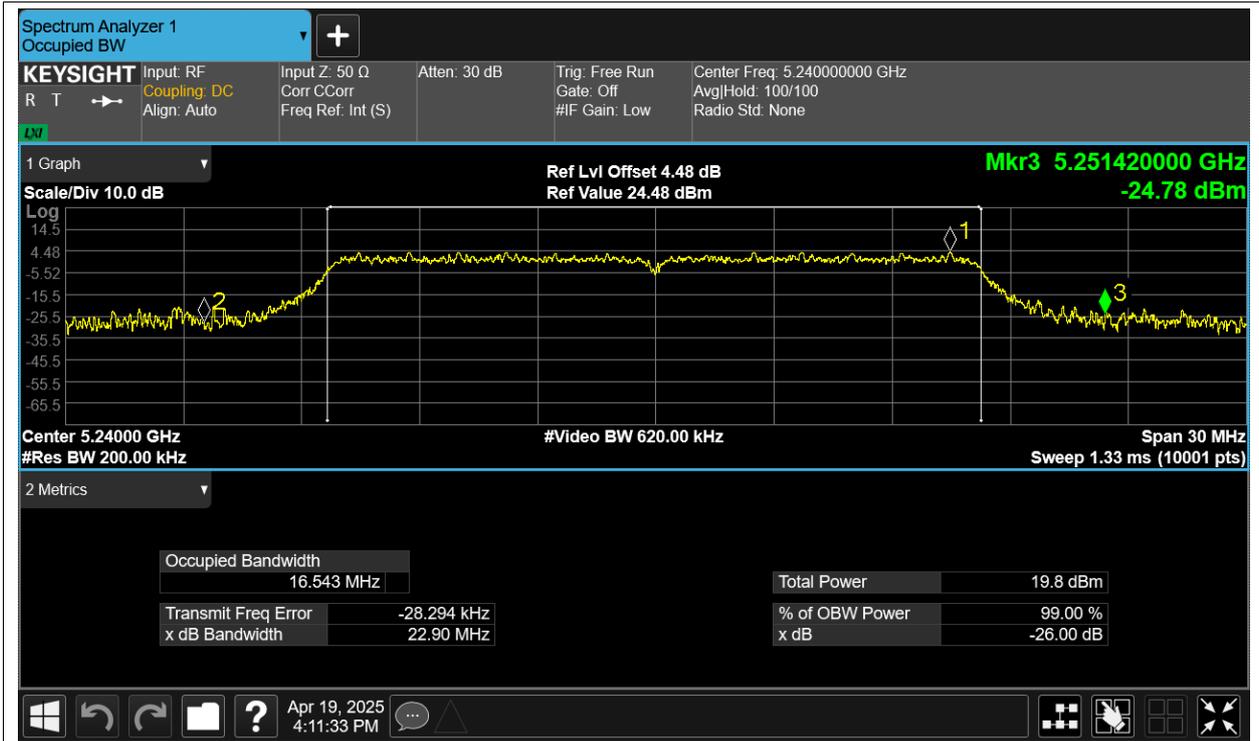
-26dB Bandwidth NVNT a 5180MHz Ant12



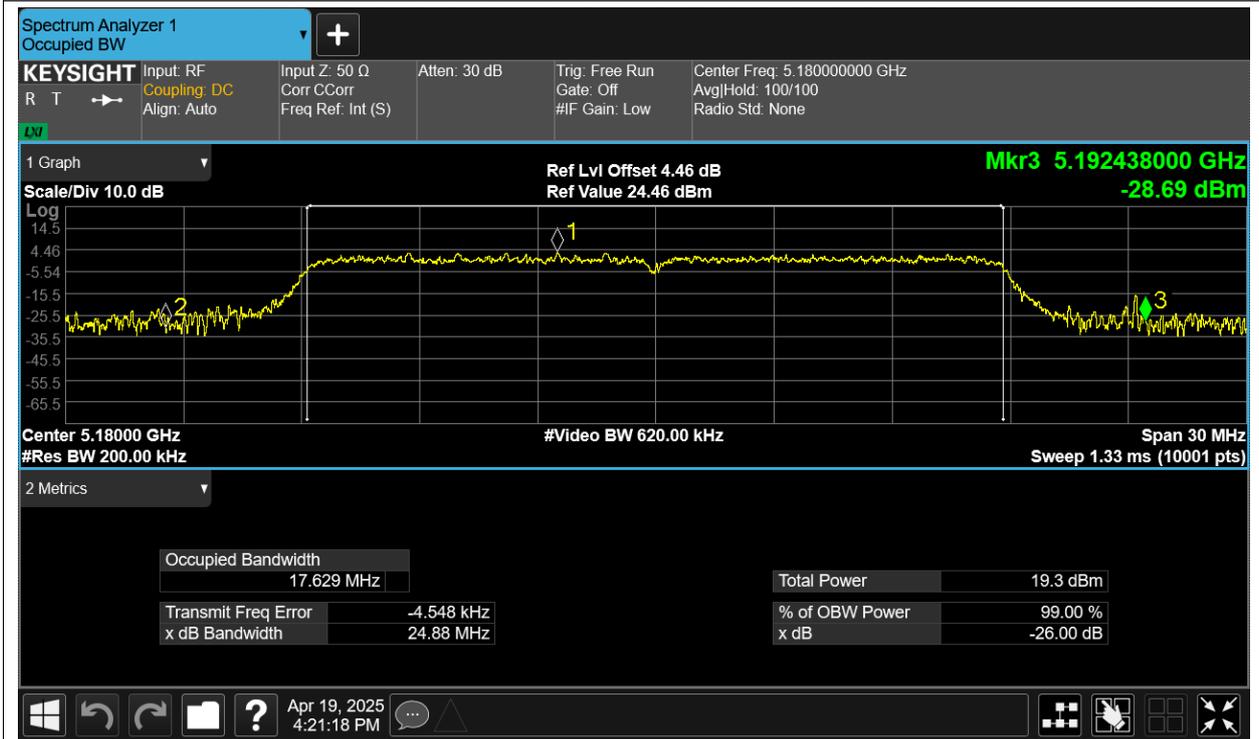
-26dB Bandwidth NVNT a 5200MHz Ant12



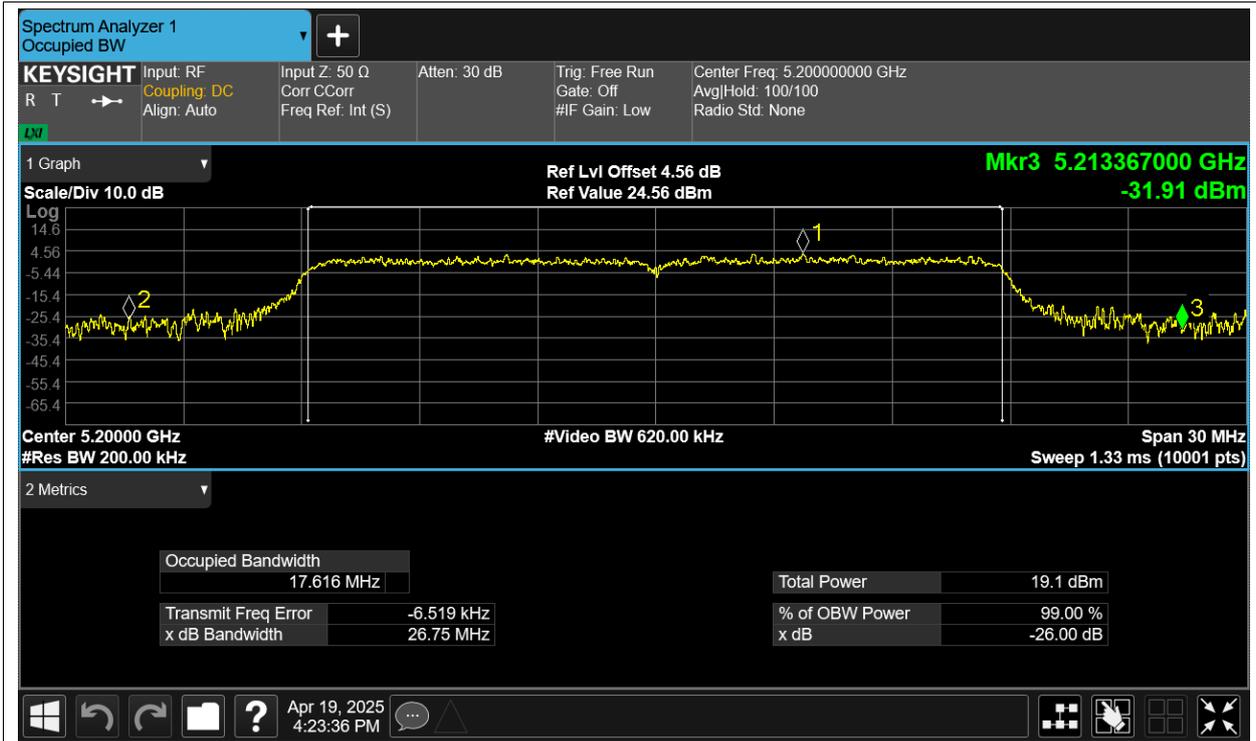
-26dB Bandwidth NVNT a 5240MHz Ant12



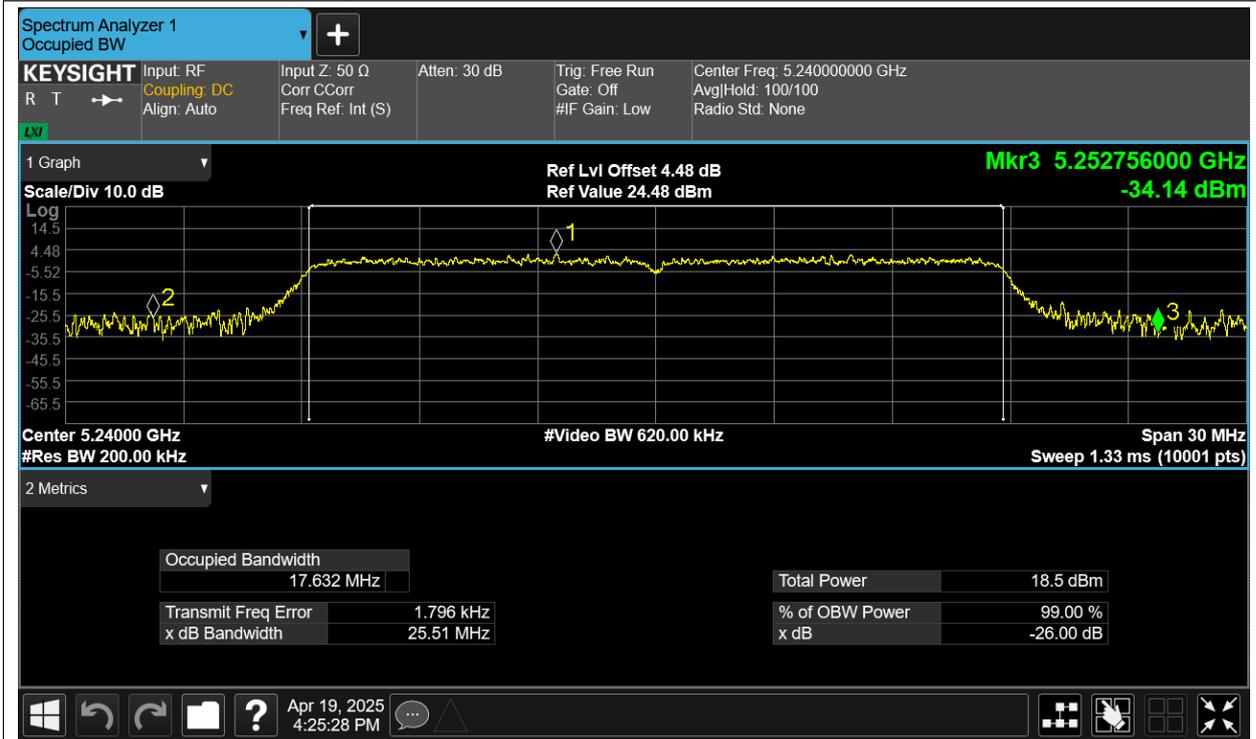
-26dB Bandwidth NVNT ac20 5180MHz Ant12



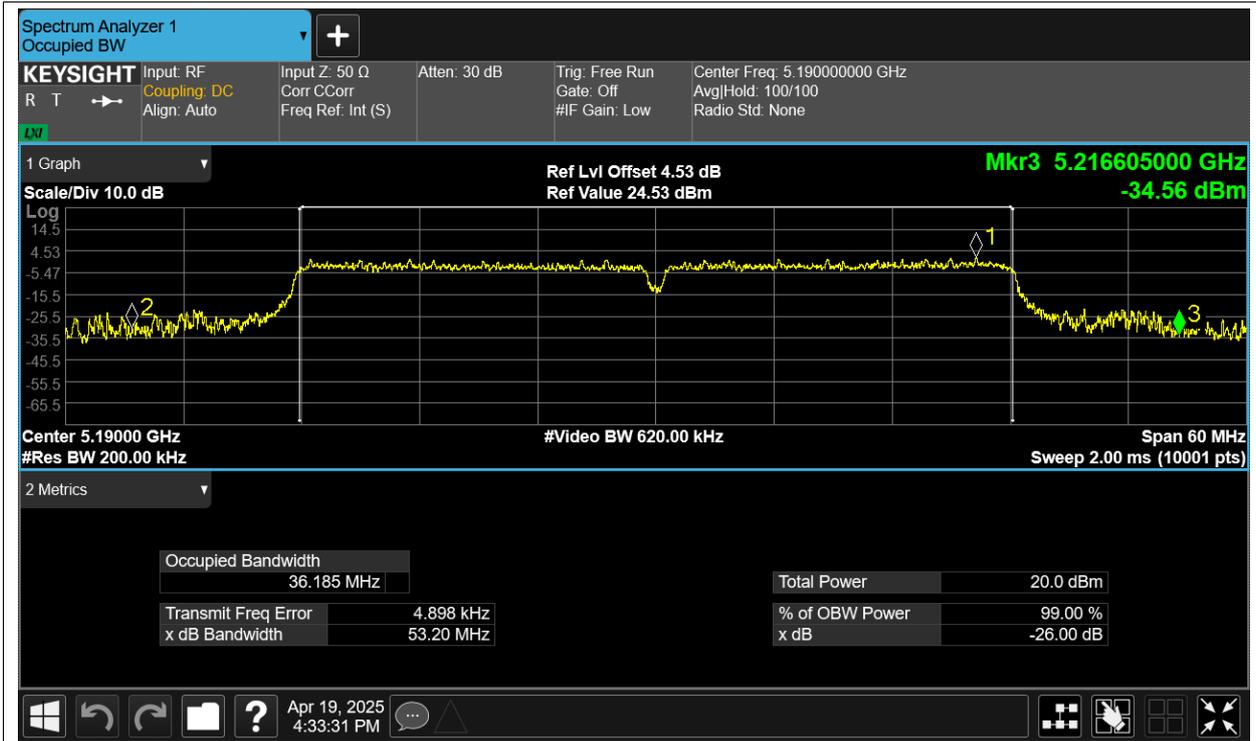
-26dB Bandwidth NVNT ac20 5200MHz Ant12



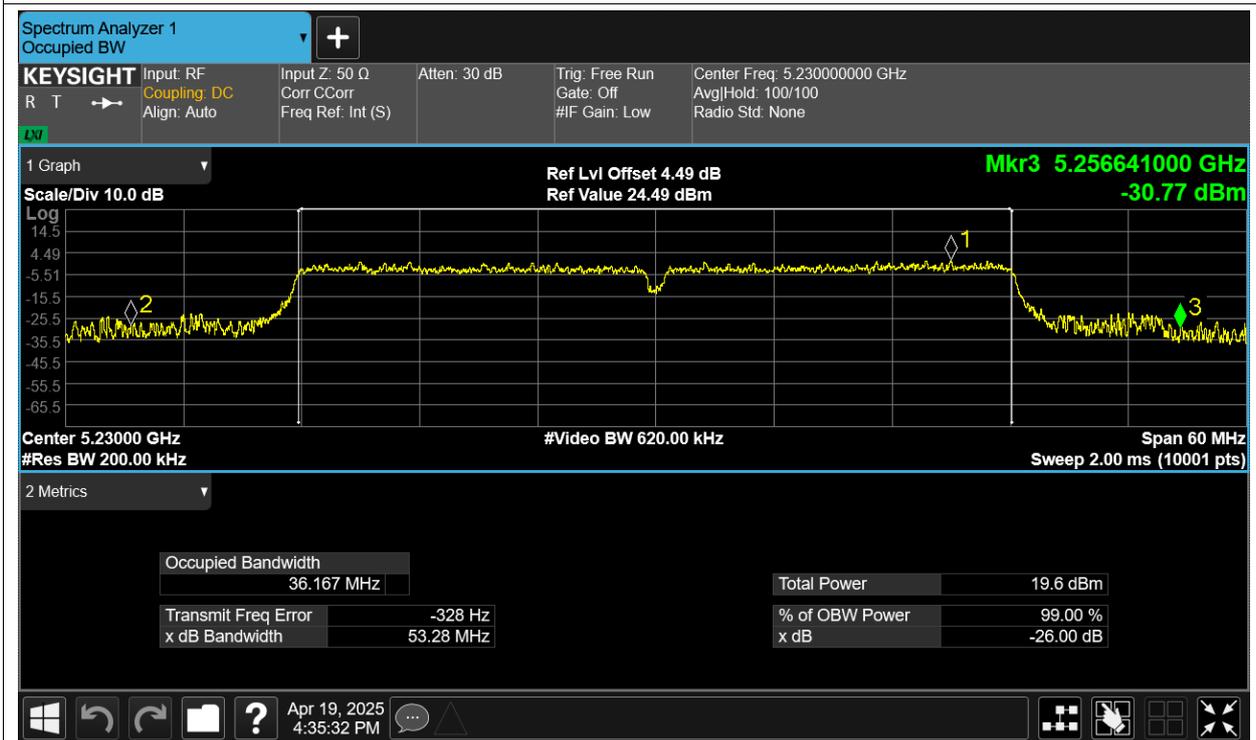
-26dB Bandwidth NVNT ac20 5240MHz Ant12



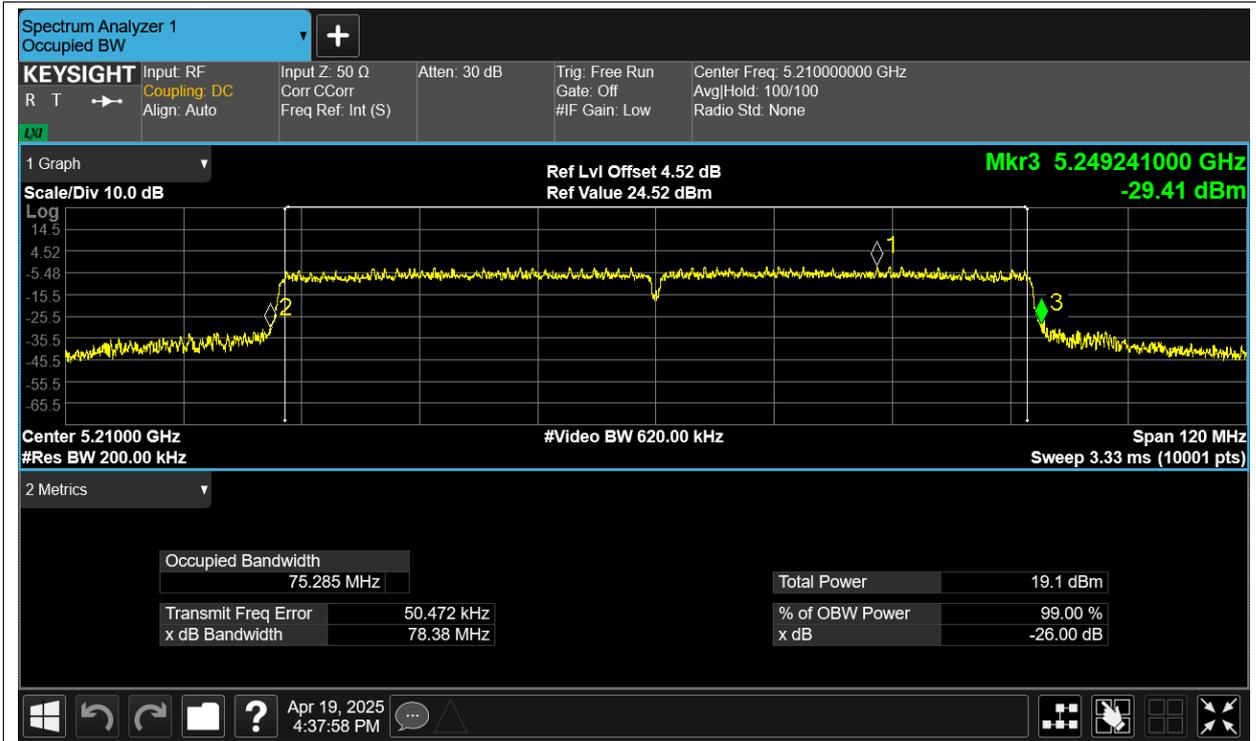
-26dB Bandwidth NVNT ac40 5190MHz Ant12



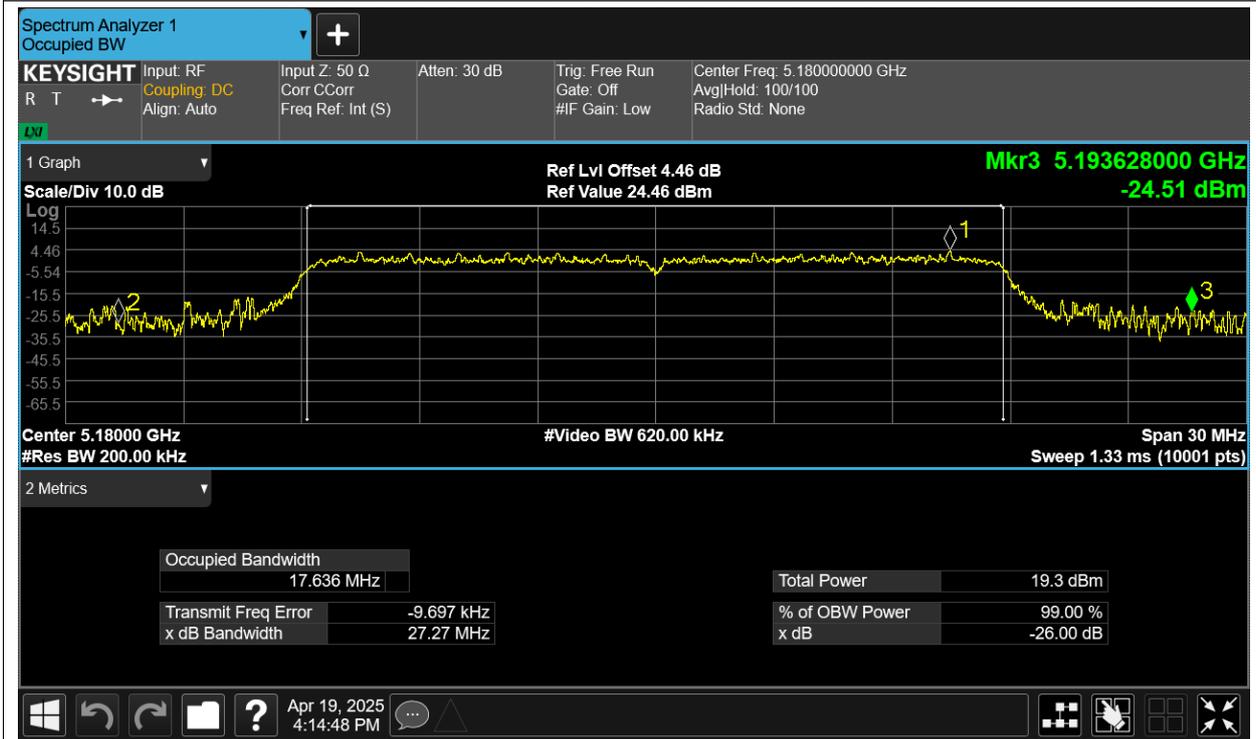
-26dB Bandwidth NVNT ac40 5230MHz Ant12



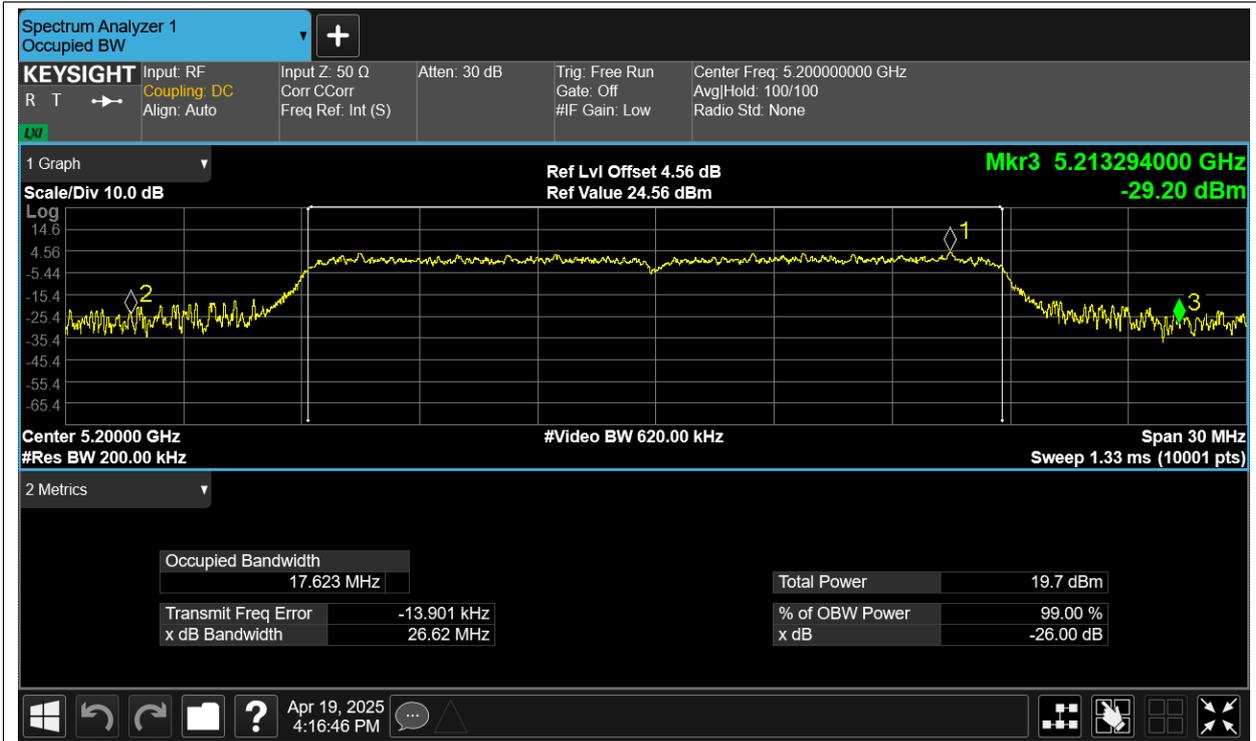
-26dB Bandwidth NVNT ac80 5210MHz Ant12



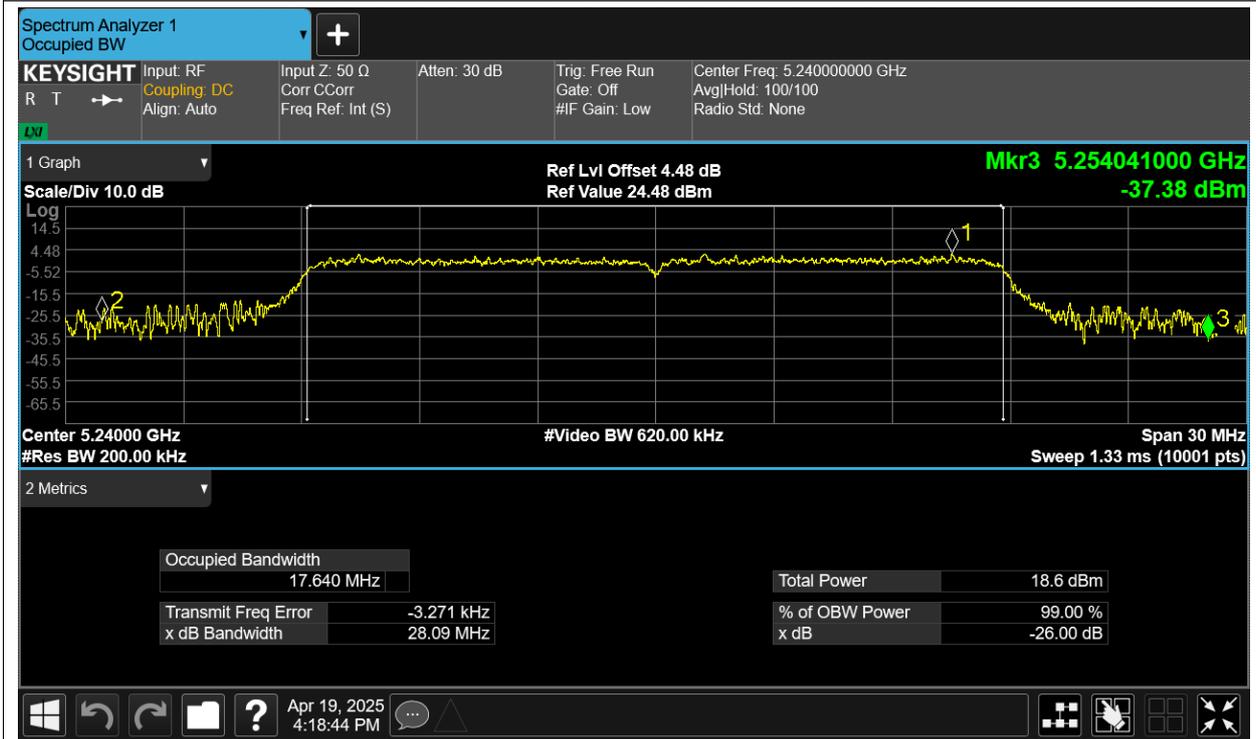
-26dB Bandwidth NVNT n20 5180MHz Ant12



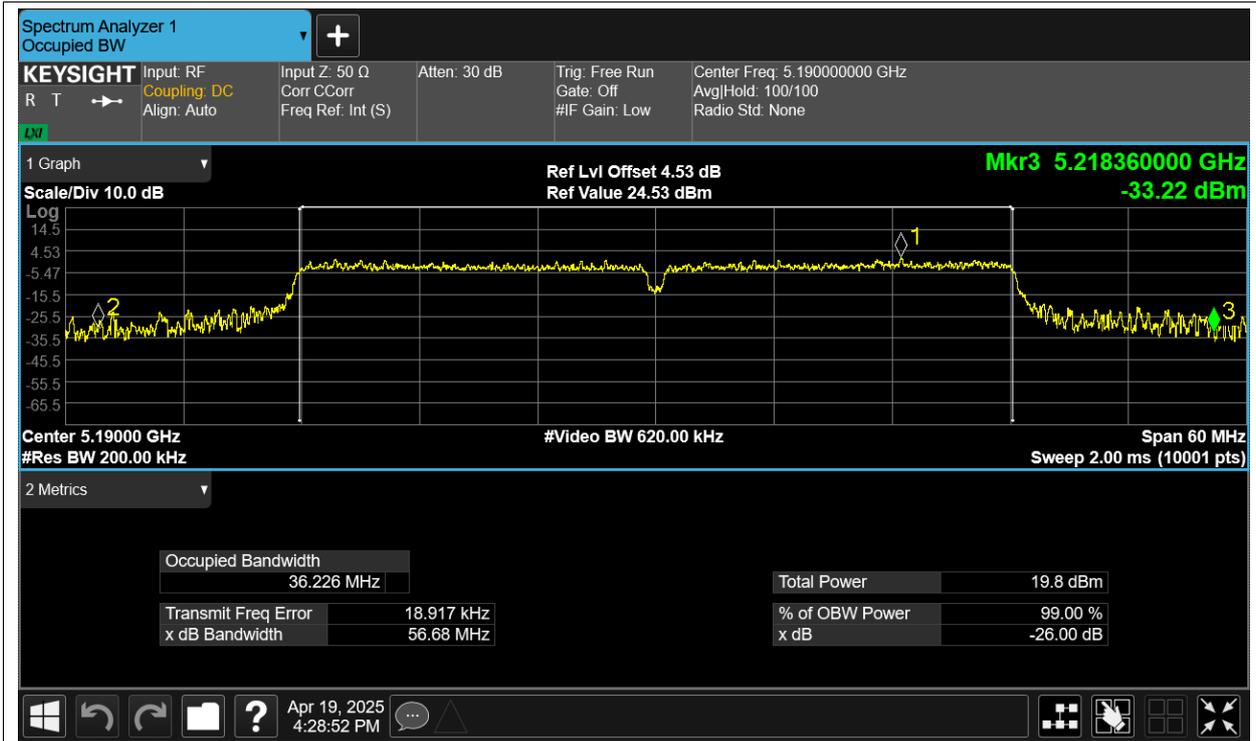
-26dB Bandwidth NVNT n20 5200MHz Ant12



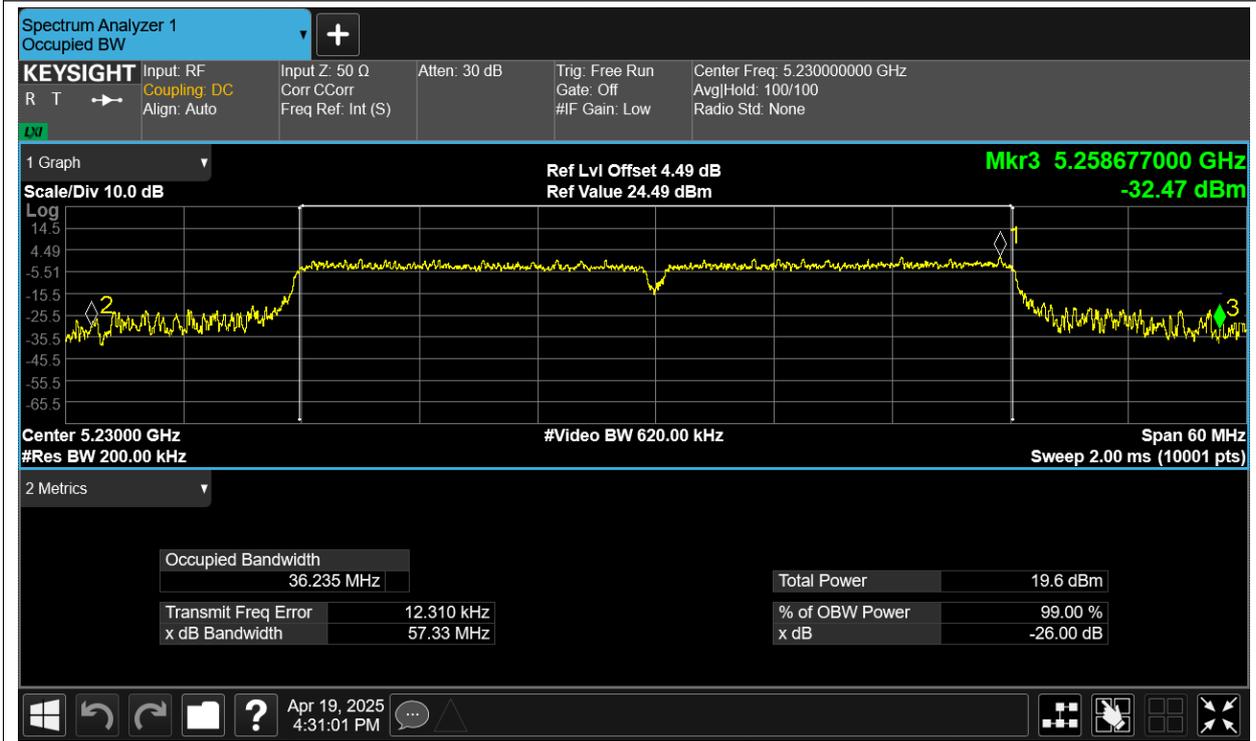
-26dB Bandwidth NVNT n20 5240MHz Ant12



-26dB Bandwidth NVNT n40 5190MHz Ant12



-26dB Bandwidth NVNT n40 5230MHz Ant12

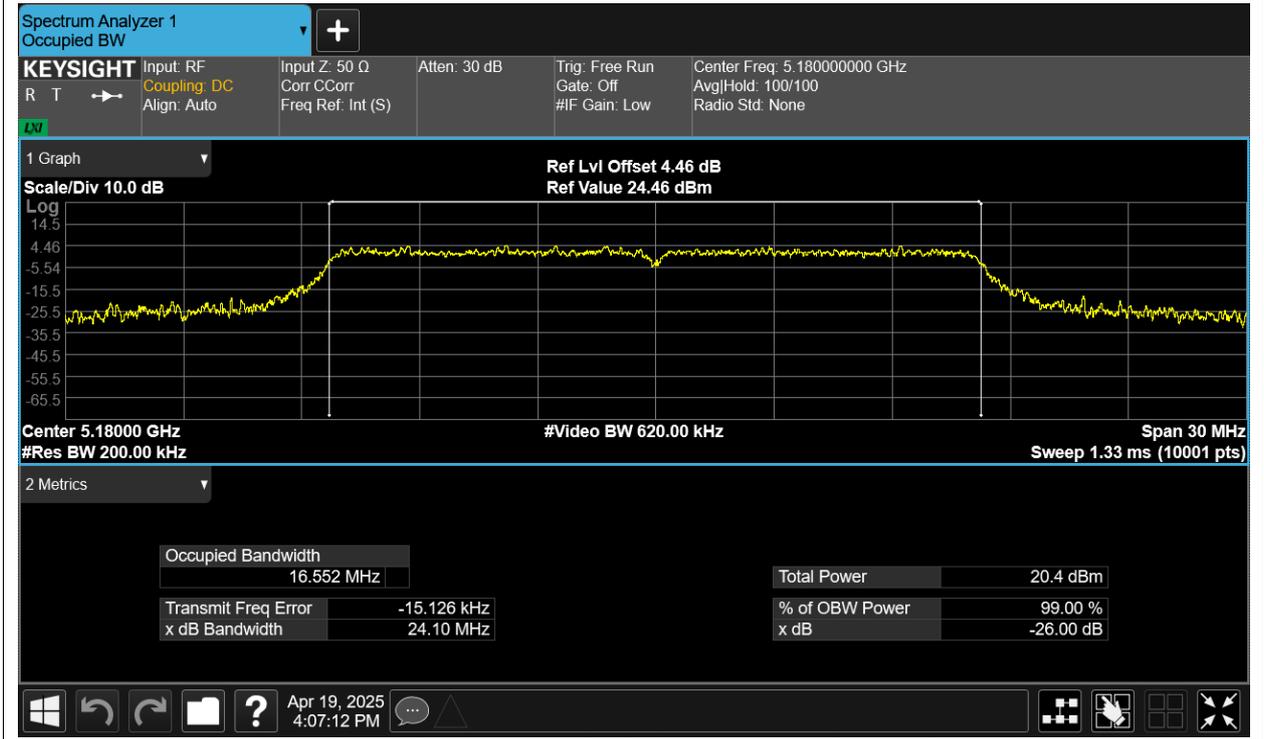


Occupied Channel Bandwidth

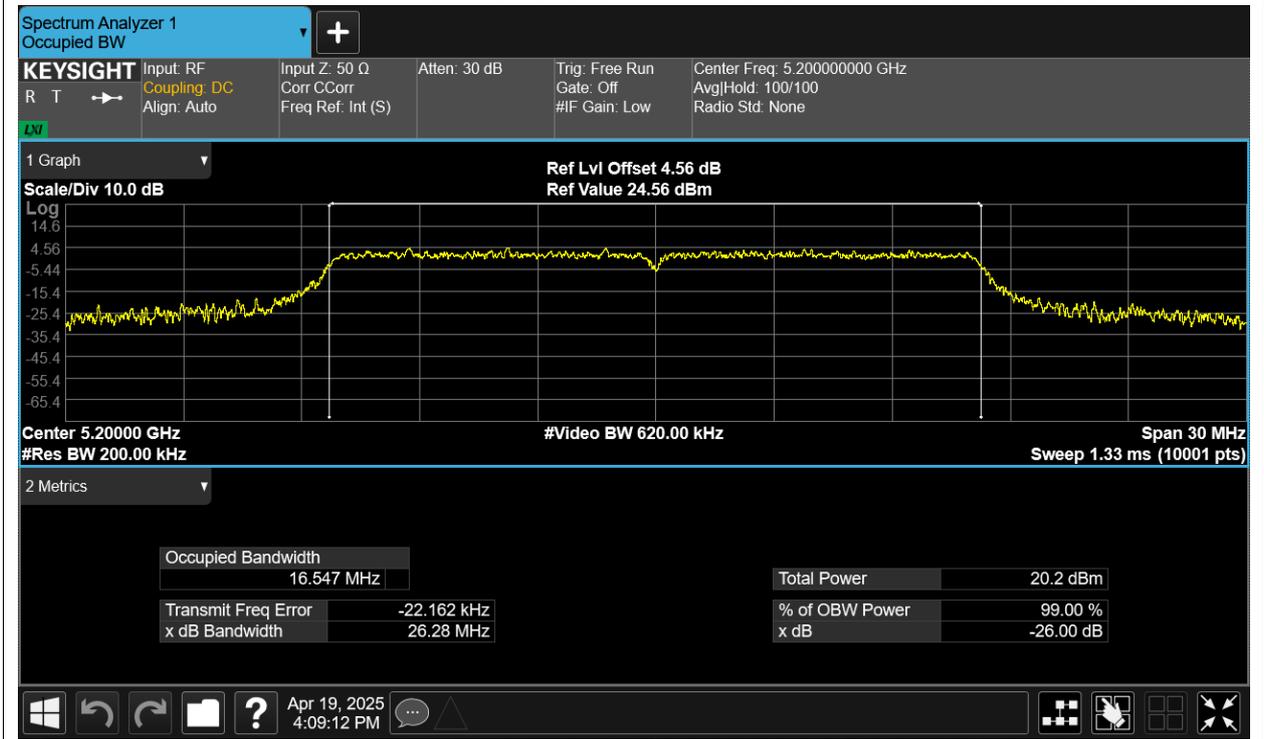
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant12	16.552
NVNT	a	5200	Ant12	16.547
NVNT	a	5240	Ant12	16.564
NVNT	ac20	5180	Ant12	17.614
NVNT	ac20	5200	Ant12	17.619
NVNT	ac20	5240	Ant12	17.627
NVNT	ac40	5190	Ant12	36.36
NVNT	ac40	5230	Ant12	36.318
NVNT	ac80	5210	Ant12	75.417
NVNT	n20	5180	Ant12	17.666
NVNT	n20	5200	Ant12	17.626
NVNT	n20	5240	Ant12	17.662
NVNT	n40	5190	Ant12	36.398
NVNT	n40	5230	Ant12	36.357

Test Graphs

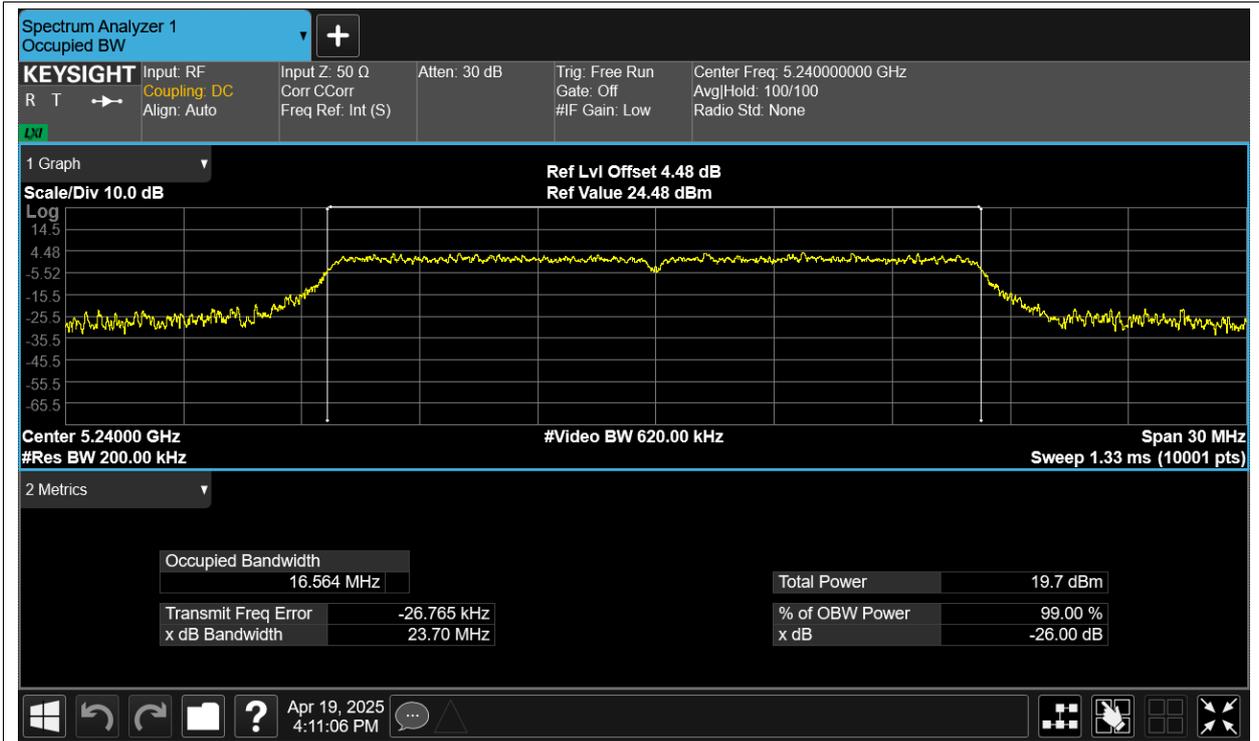
OBW NVNT a 5180MHz Ant12



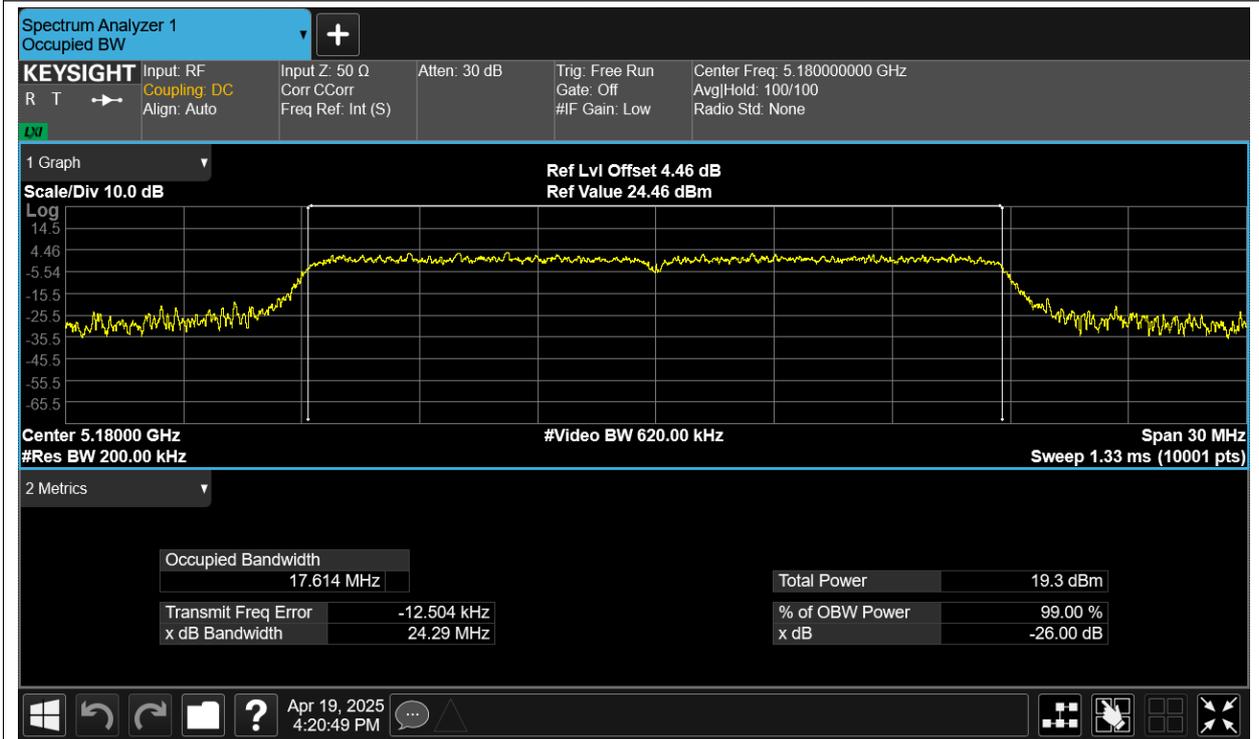
OBW NVNT a 5200MHz Ant12



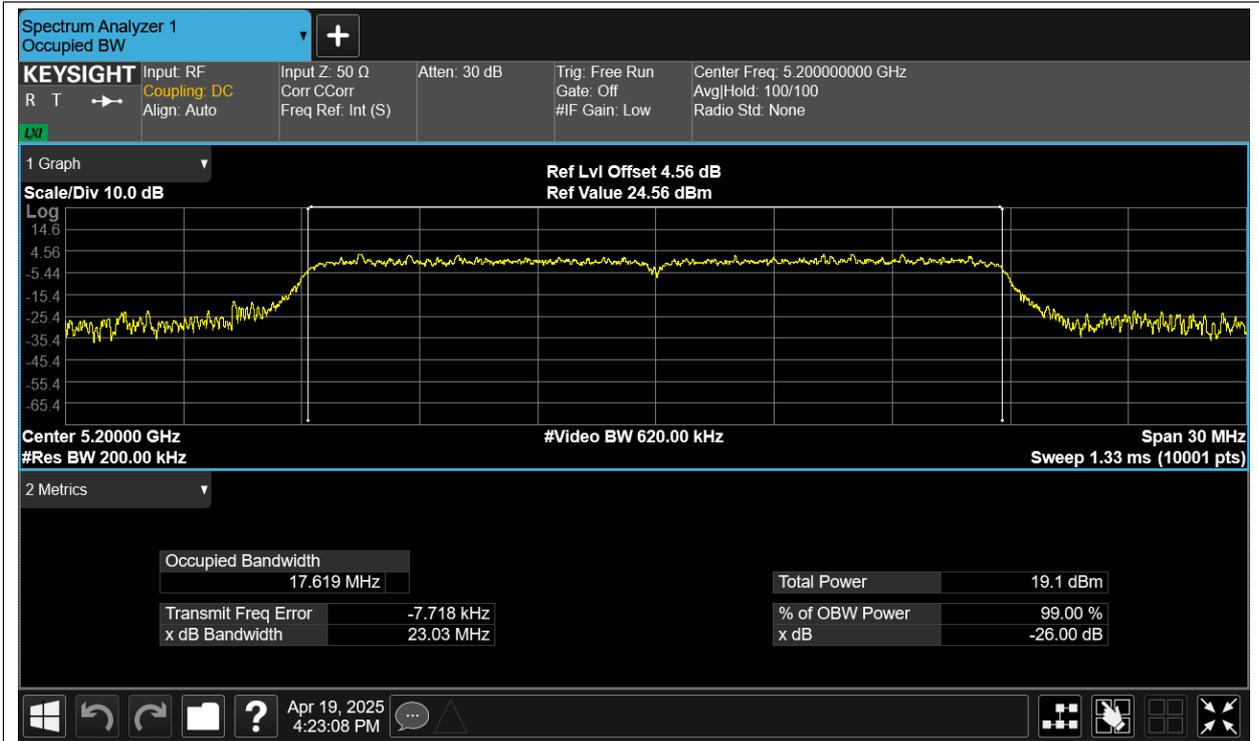
OBW NVNT a 5240MHz Ant12



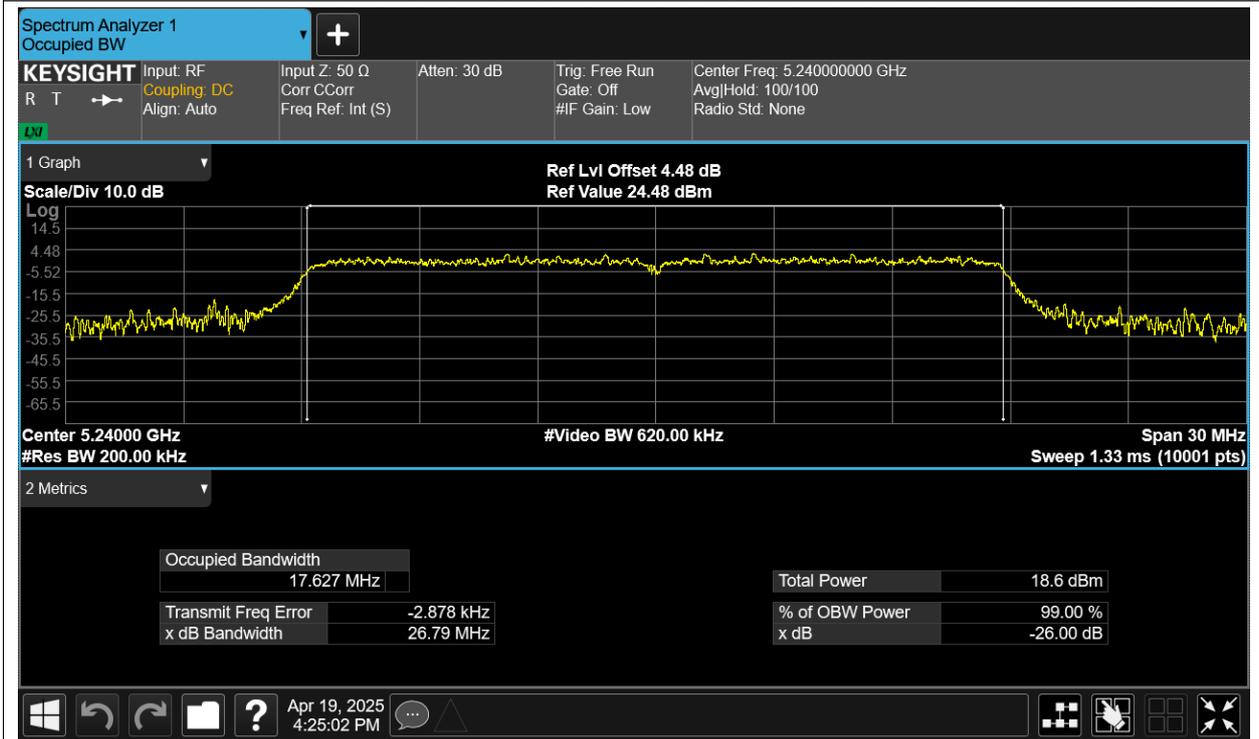
OBW NVNT ac20 5180MHz Ant12



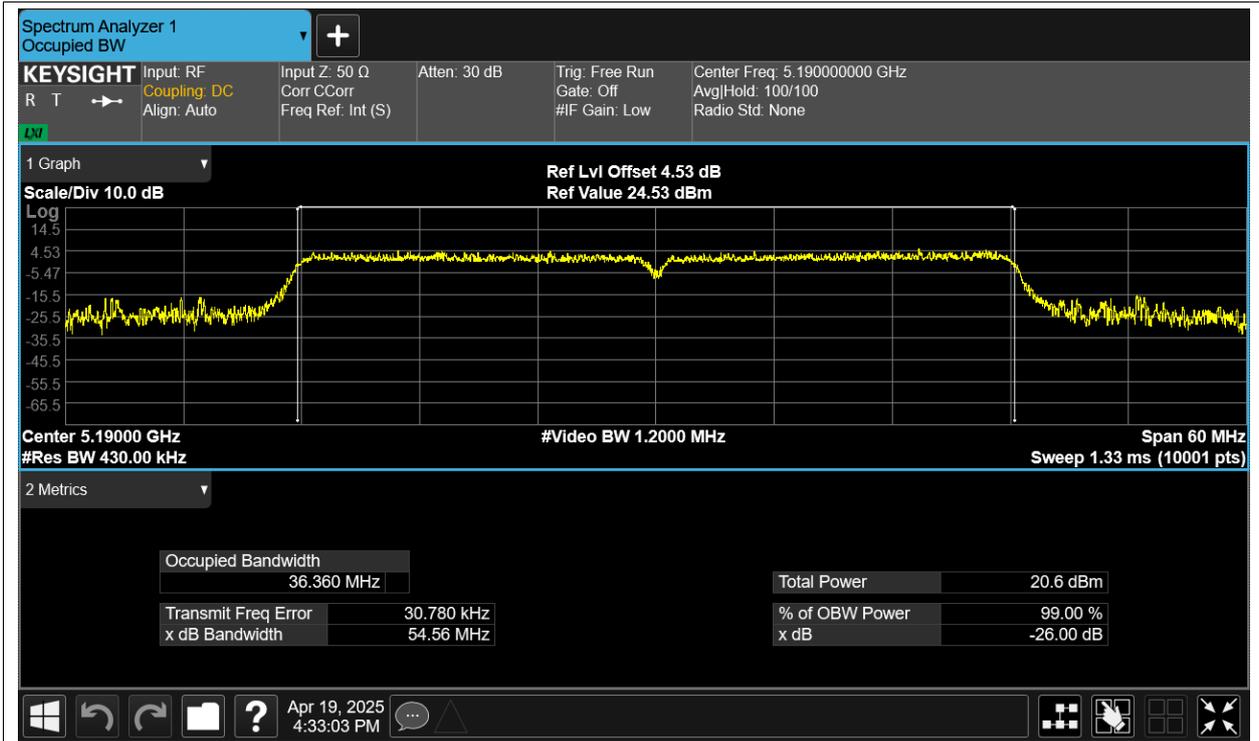
OBW NVNT ac20 5200MHz Ant12



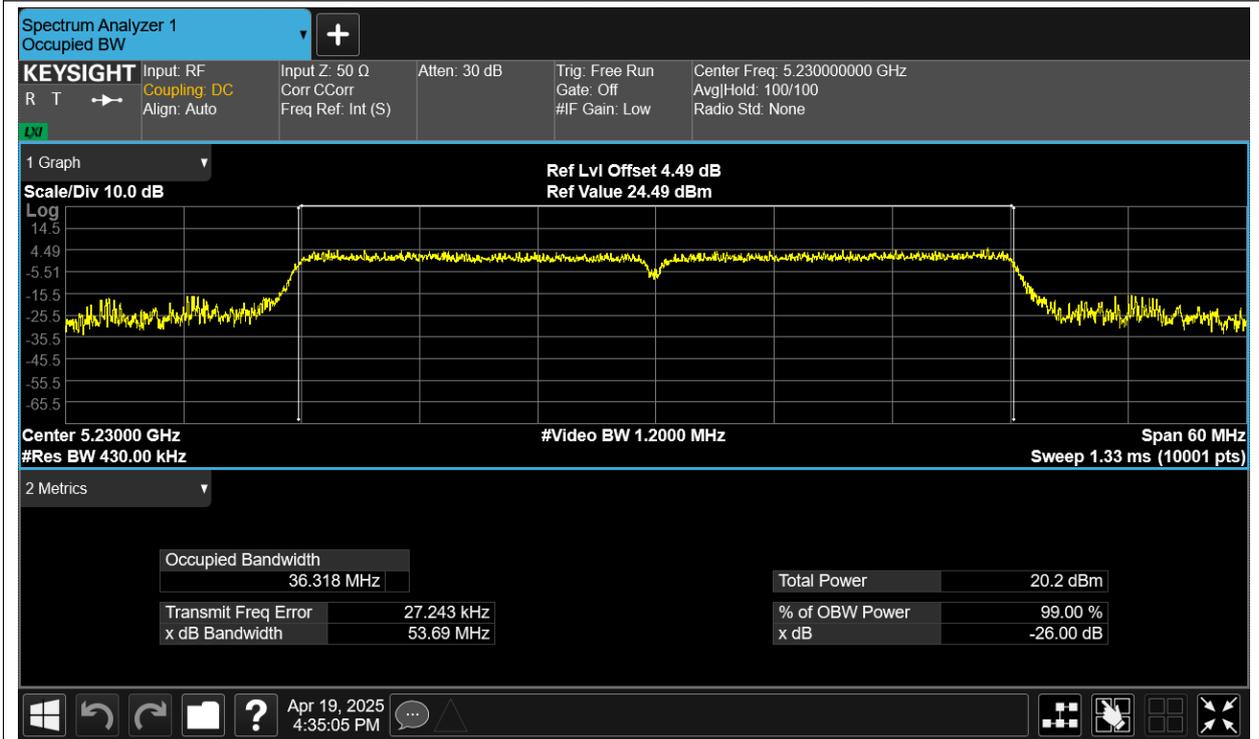
OBW NVNT ac20 5240MHz Ant12



OBW NVNT ac40 5190MHz Ant12



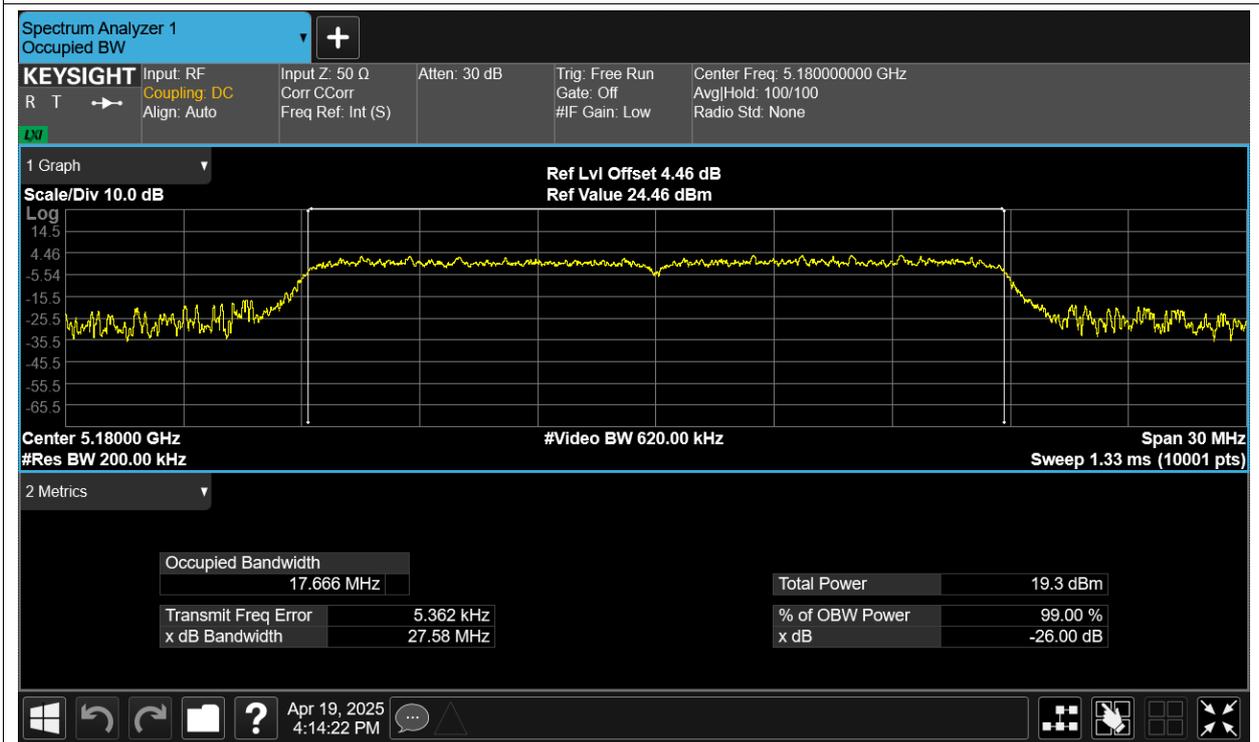
OBW NVNT ac40 5230MHz Ant12



OBW NVNT ac80 5210MHz Ant12



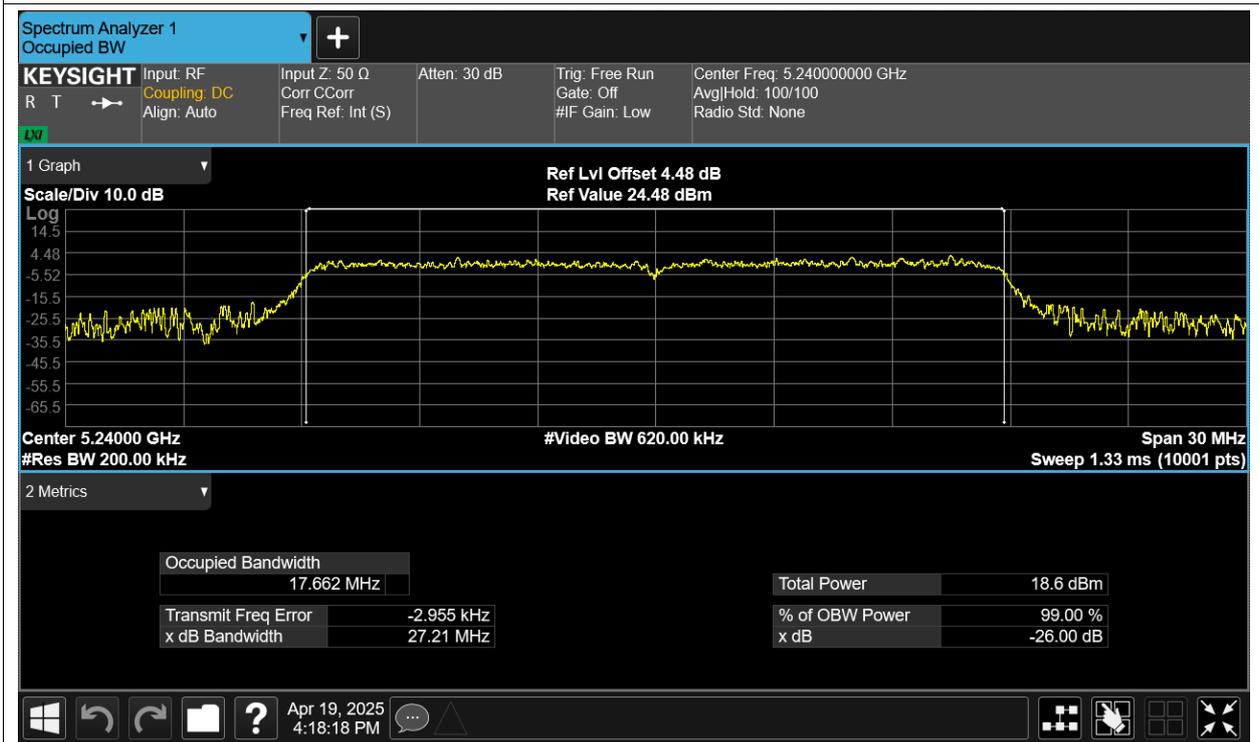
OBW NVNT n20 5180MHz Ant12



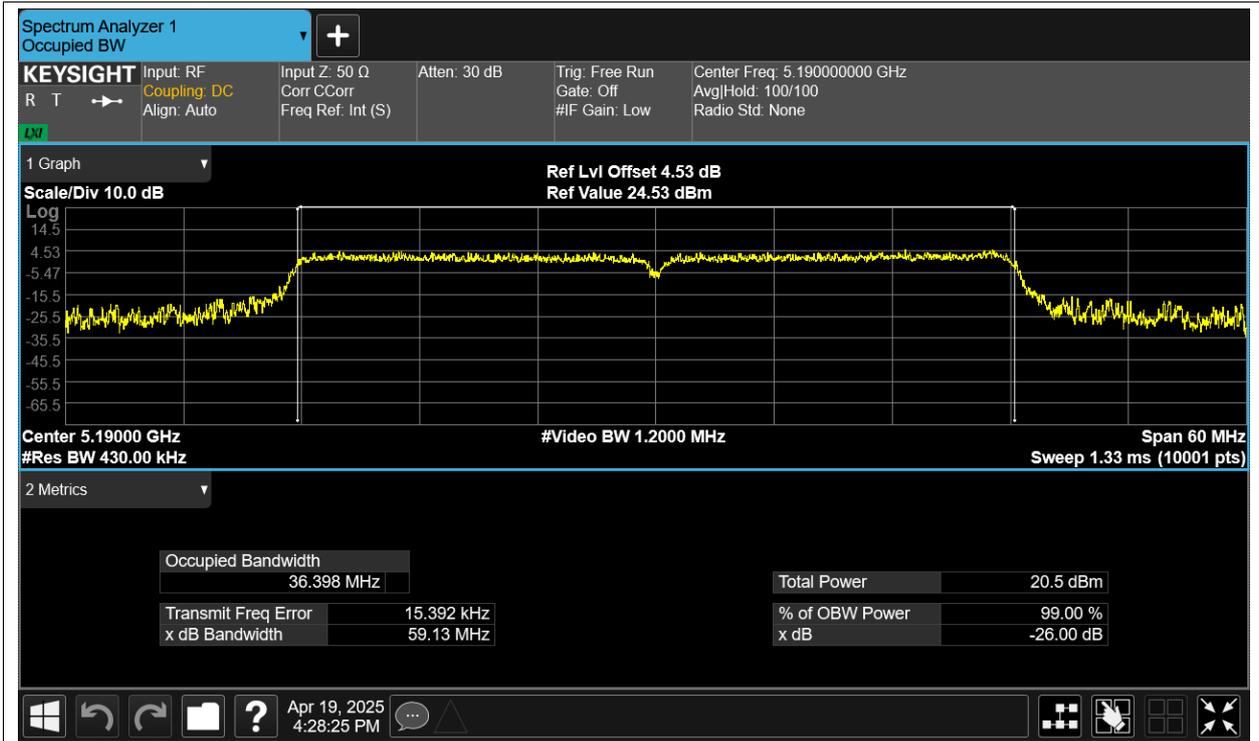
OBW NVNT n20 5200MHz Ant12



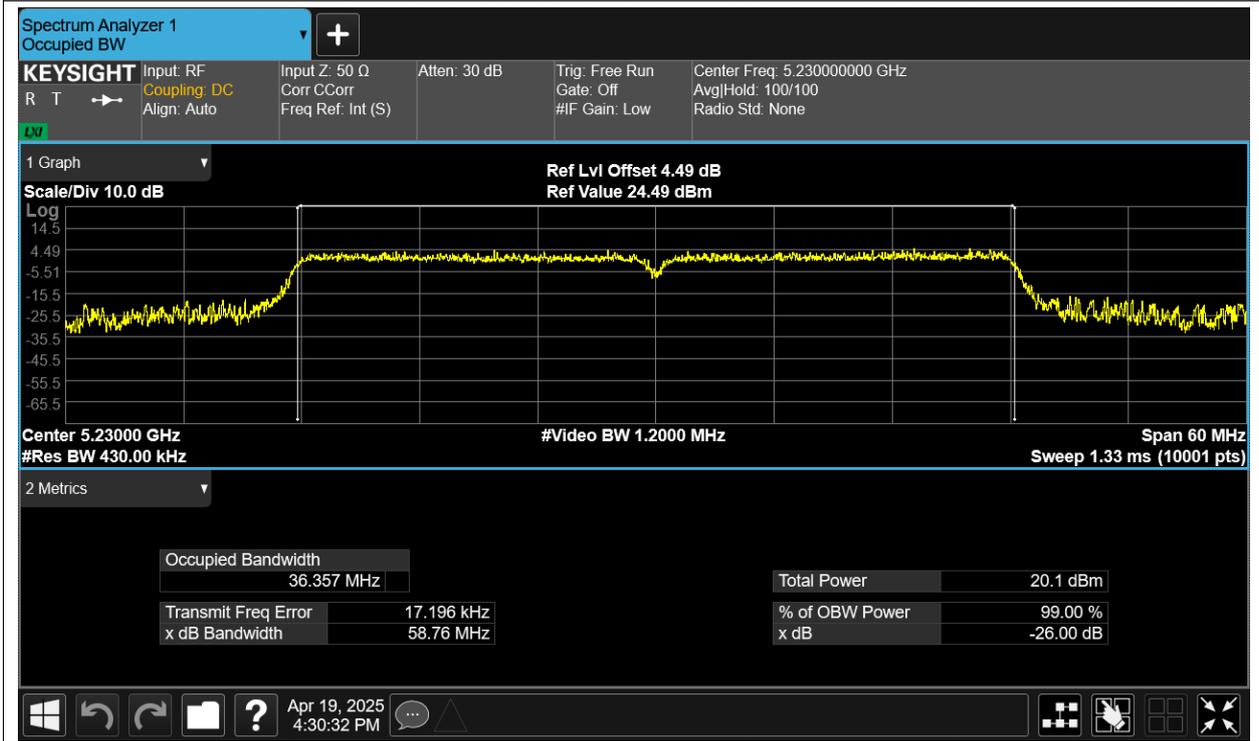
OBW NVNT n20 5240MHz Ant12



OBW NVNT n40 5190MHz Ant12



OBW NVNT n40 5230MHz Ant12

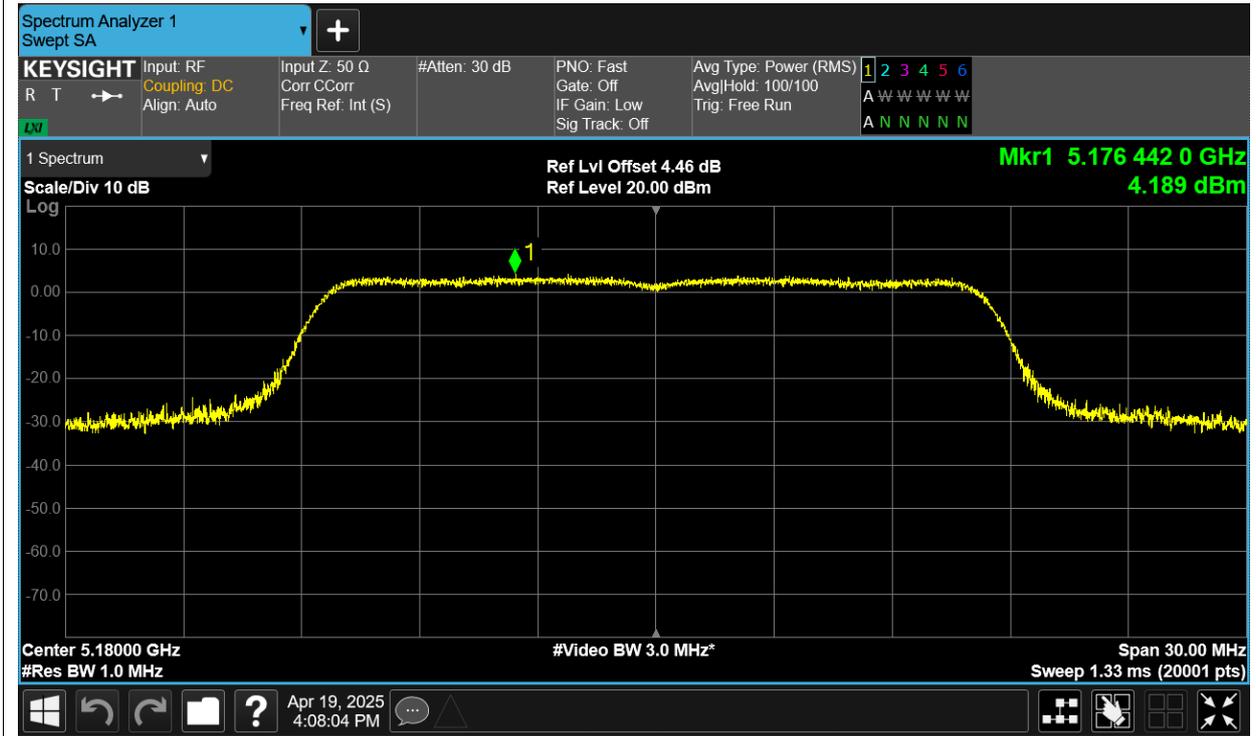


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant12	4.189	11	Pass
NVNT	a	5200	Ant12	3.543	11	Pass
NVNT	a	5240	Ant12	3.028	11	Pass
NVNT	ac20	5180	Ant12	2.475	11	Pass
NVNT	ac20	5200	Ant12	2.582	11	Pass
NVNT	ac20	5240	Ant12	1.954	11	Pass
NVNT	ac40	5190	Ant12	0.829	11	Pass
NVNT	ac40	5230	Ant12	0.499	11	Pass
NVNT	ac80	5210	Ant12	-4.719	11	Pass
NVNT	n20	5180	Ant12	2.835	11	Pass
NVNT	n20	5200	Ant12	3.325	11	Pass
NVNT	n20	5240	Ant12	2.127	11	Pass
NVNT	n40	5190	Ant12	1.083	11	Pass
NVNT	n40	5230	Ant12	0.289	11	Pass

Test Graphs

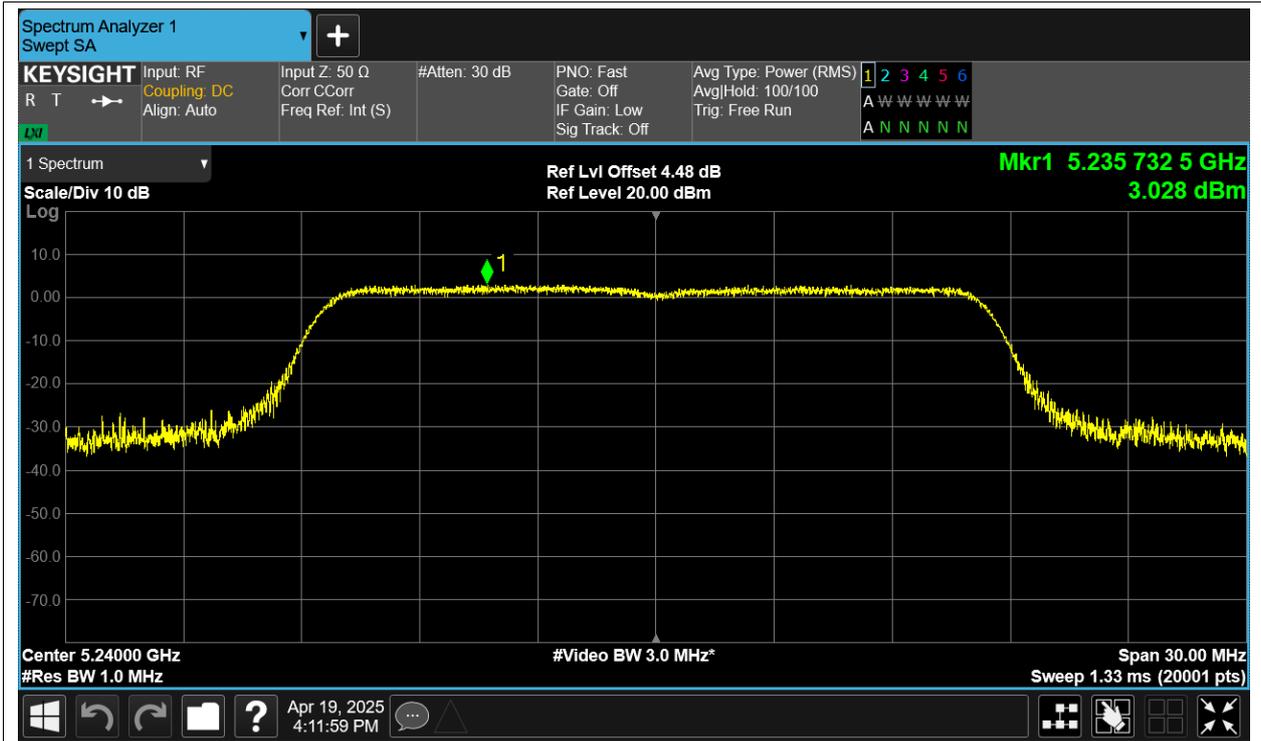
PSD NVNT a 5180MHz Ant12



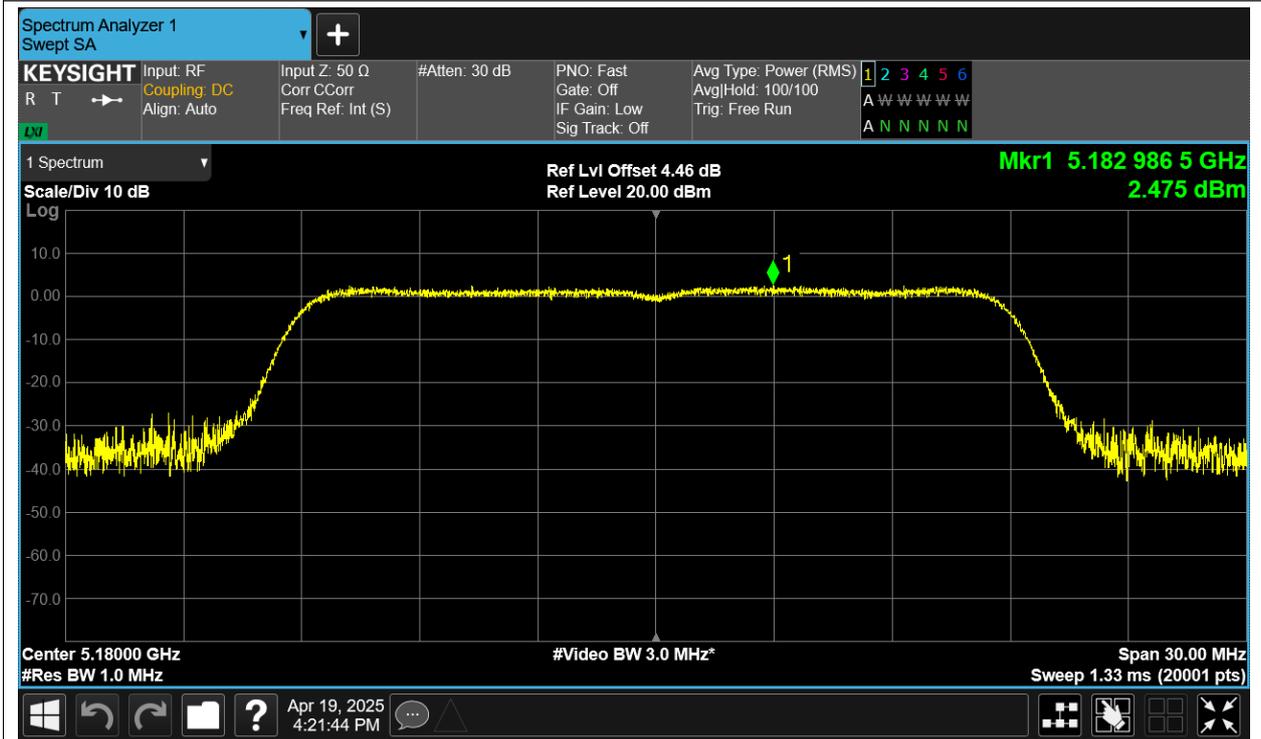
PSD NVNT a 5200MHz Ant12



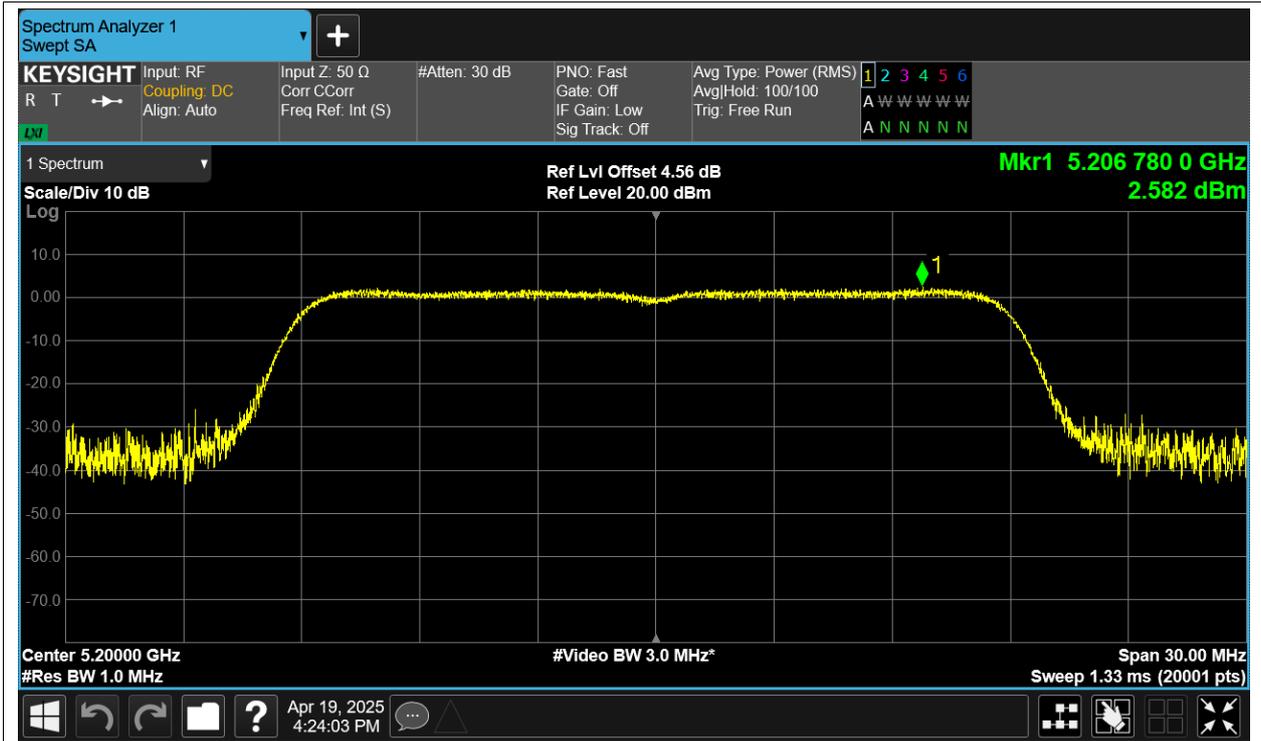
PSD NVNT a 5240MHz Ant12



PSD NVNT ac20 5180MHz Ant12



PSD NVNT ac20 5200MHz Ant12



PSD NVNT ac20 5240MHz Ant12



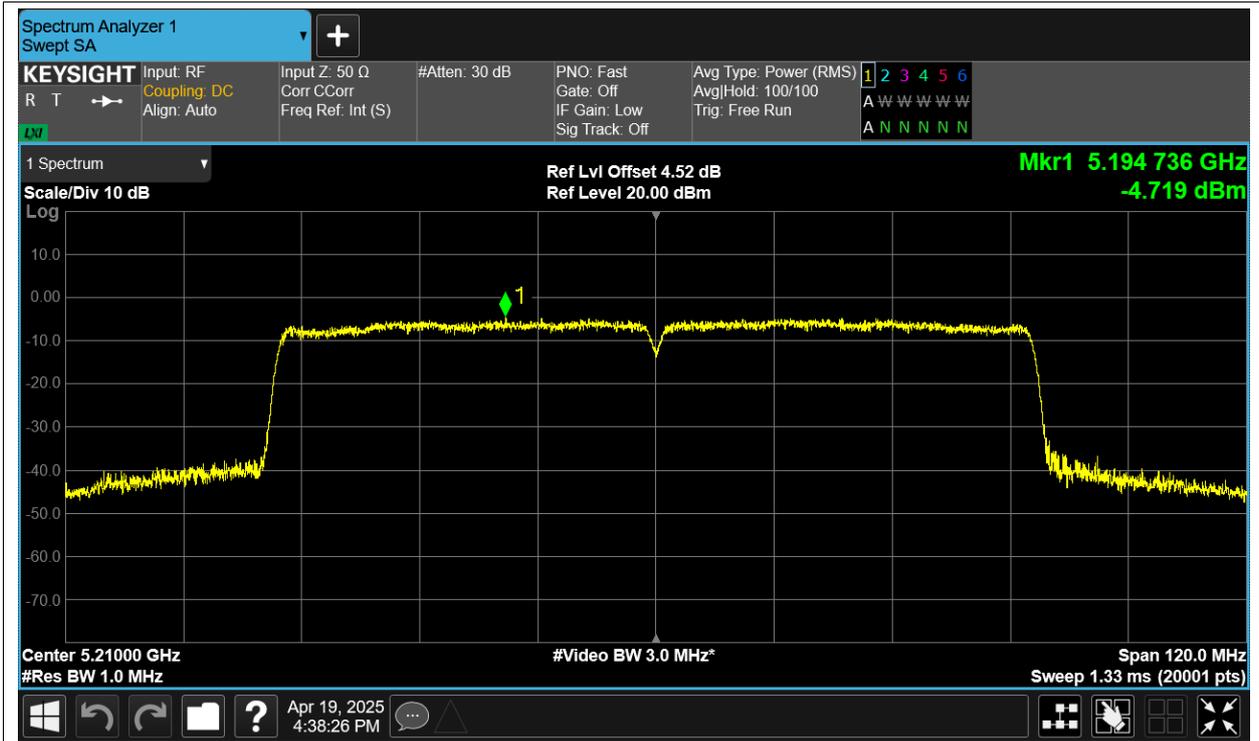
PSD NVNT ac40 5190MHz Ant12



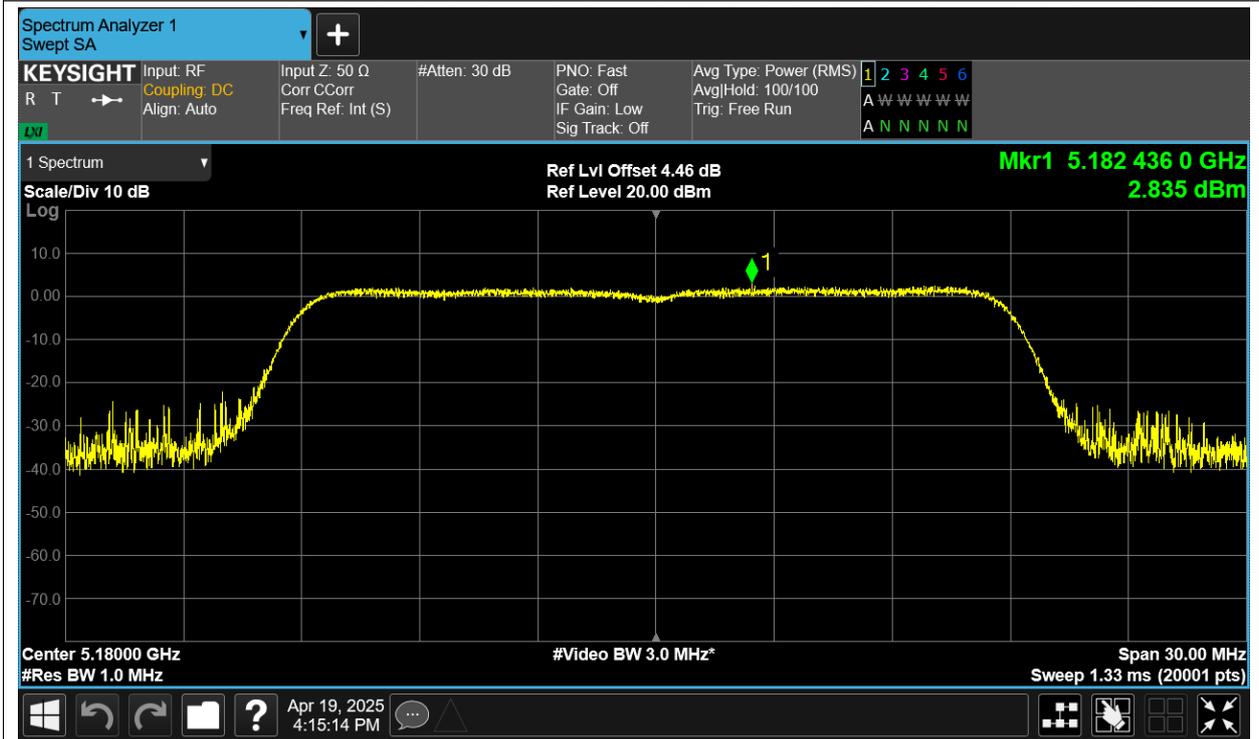
PSD NVNT ac40 5230MHz Ant12



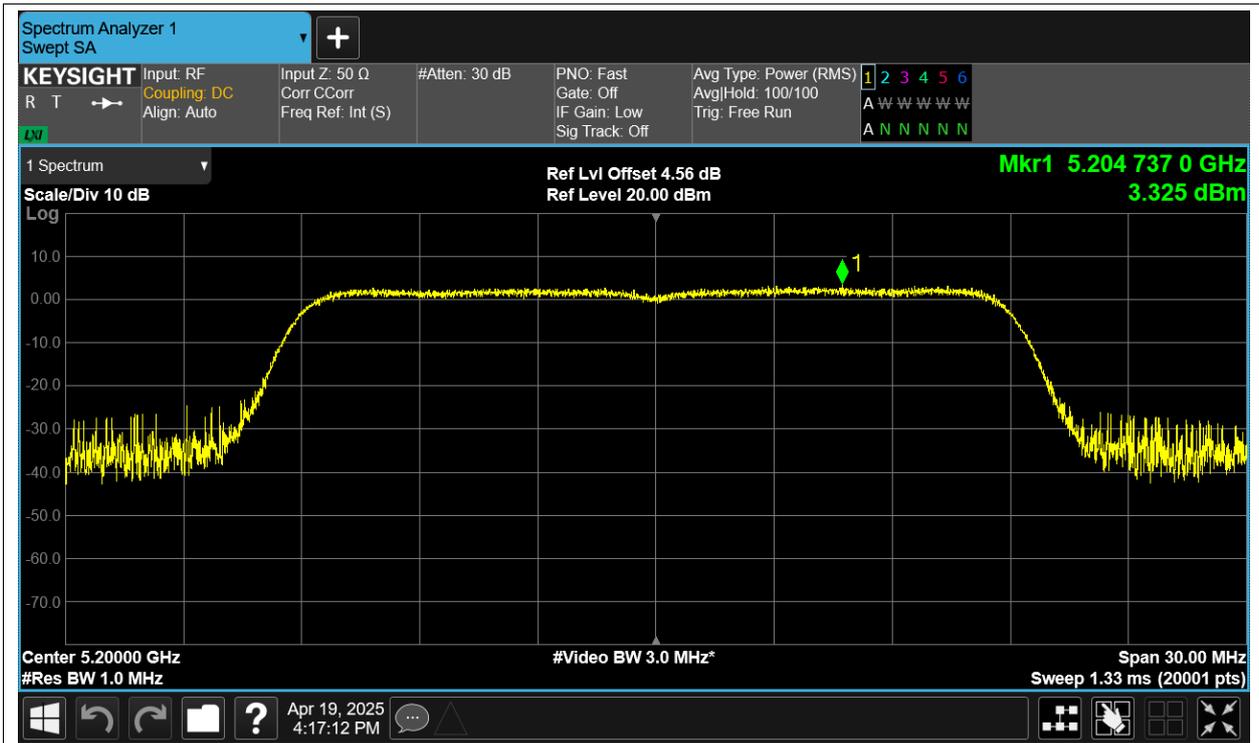
PSD NVNT ac80 5210MHz Ant12



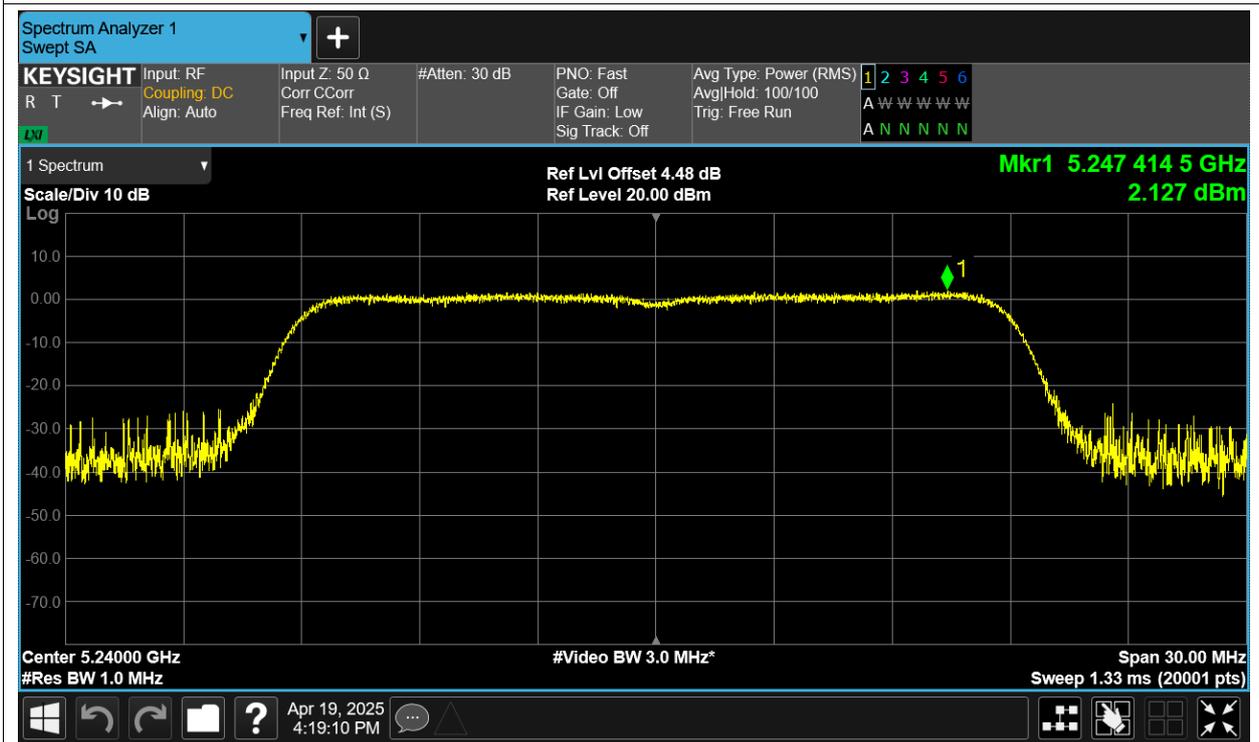
PSD NVNT n20 5180MHz Ant12



PSD NVNT n20 5200MHz Ant12



PSD NVNT n20 5240MHz Ant12



PSD NVNT n40 5190MHz Ant12



PSD NVNT n40 5230MHz Ant12

