

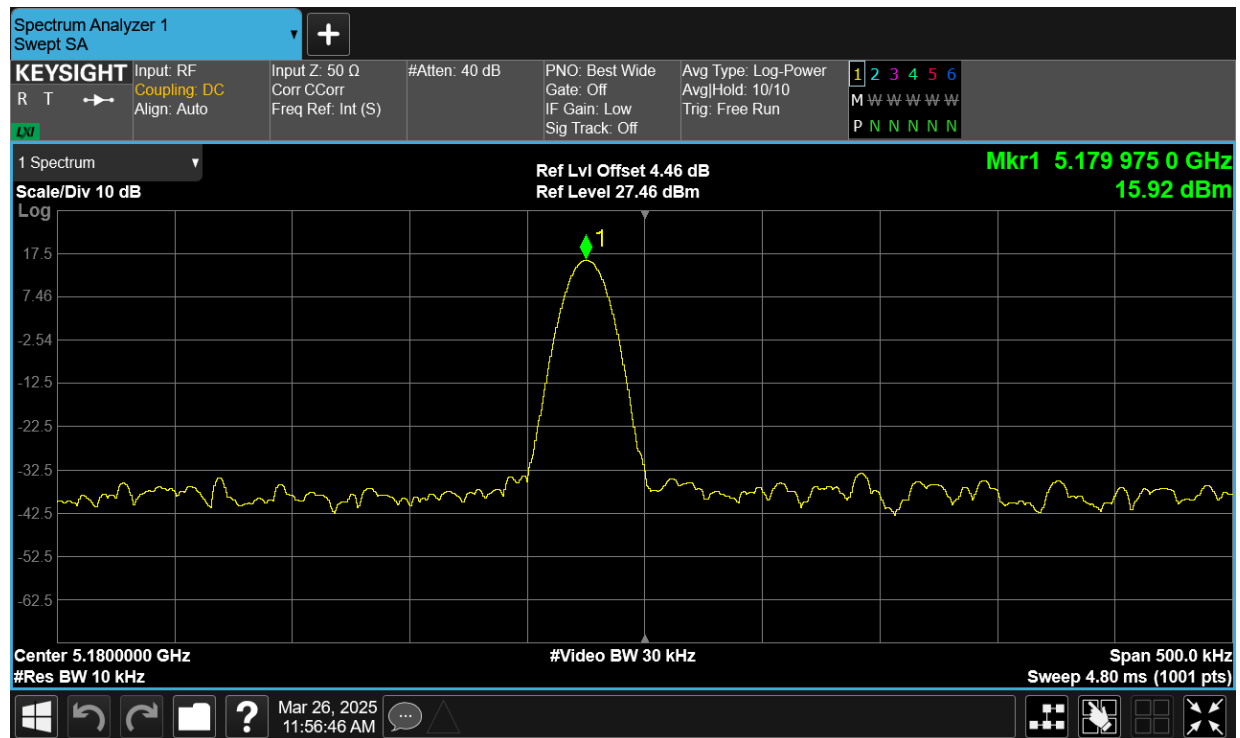
Test Data

Frequency Stability

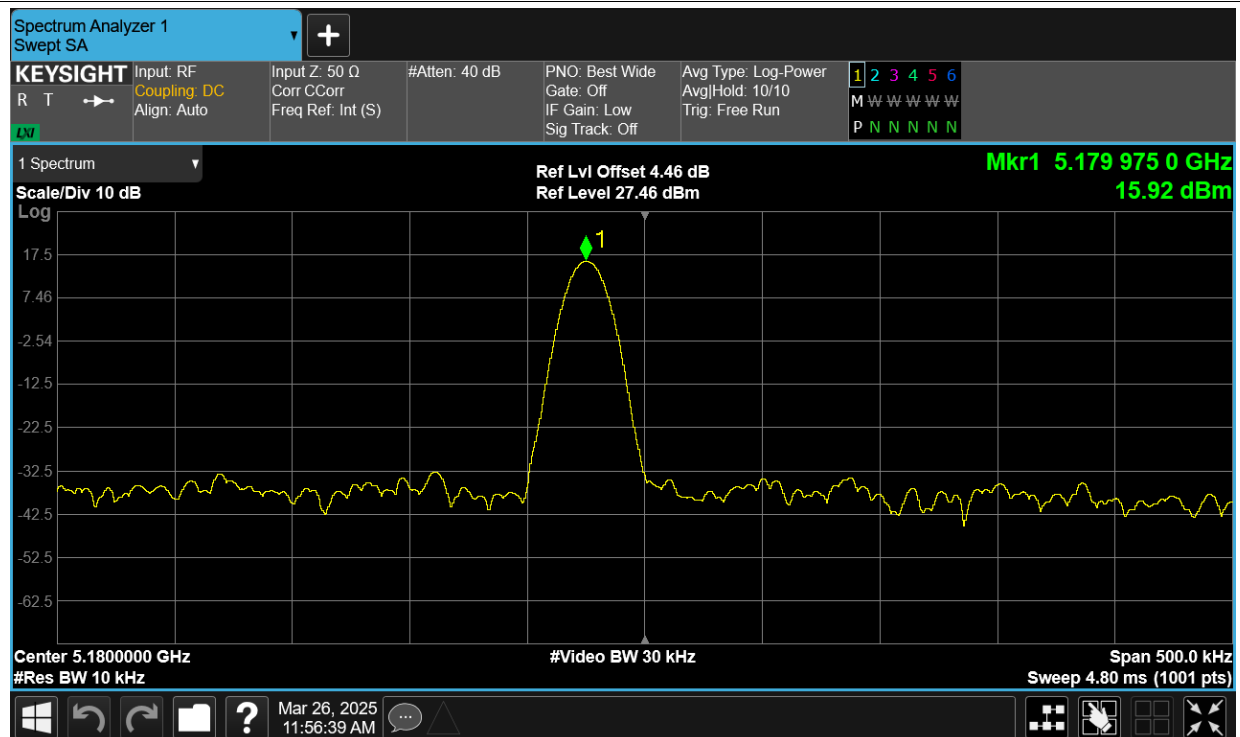
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.975	-4.83	25	Pass
LVNT	a	5180	Ant1	5179.975	-4.83	25	Pass
NVHT	a	5180	Ant1	5179.9755	-4.73	25	Pass
NVLT	a	5180	Ant1	5179.9755	-4.73	25	Pass
NVNT	a	5180	Ant1	5179.9755	-4.73	25	Pass
HVNT	ac80	5210	Ant1	5209.9735	-5.09	25	Pass
LVNT	ac80	5210	Ant1	5209.974	-4.99	25	Pass
NVHT	ac80	5210	Ant1	5209.974	-4.99	25	Pass
NVLT	ac80	5210	Ant1	5209.974	-4.99	25	Pass
NVNT	ac80	5210	Ant1	5209.974327019	-4.93	25	Pass
HVNT	n40	5190	Ant1	5189.9745	-4.91	25	Pass
LVNT	n40	5190	Ant1	5189.9745	-4.91	25	Pass
NVHT	n40	5190	Ant1	5189.9745	-4.91	25	Pass
NVLT	n40	5190	Ant1	5189.975	-4.82	25	Pass
NVNT	n40	5190	Ant1	5189.975	-4.82	25	Pass

Test Graphs

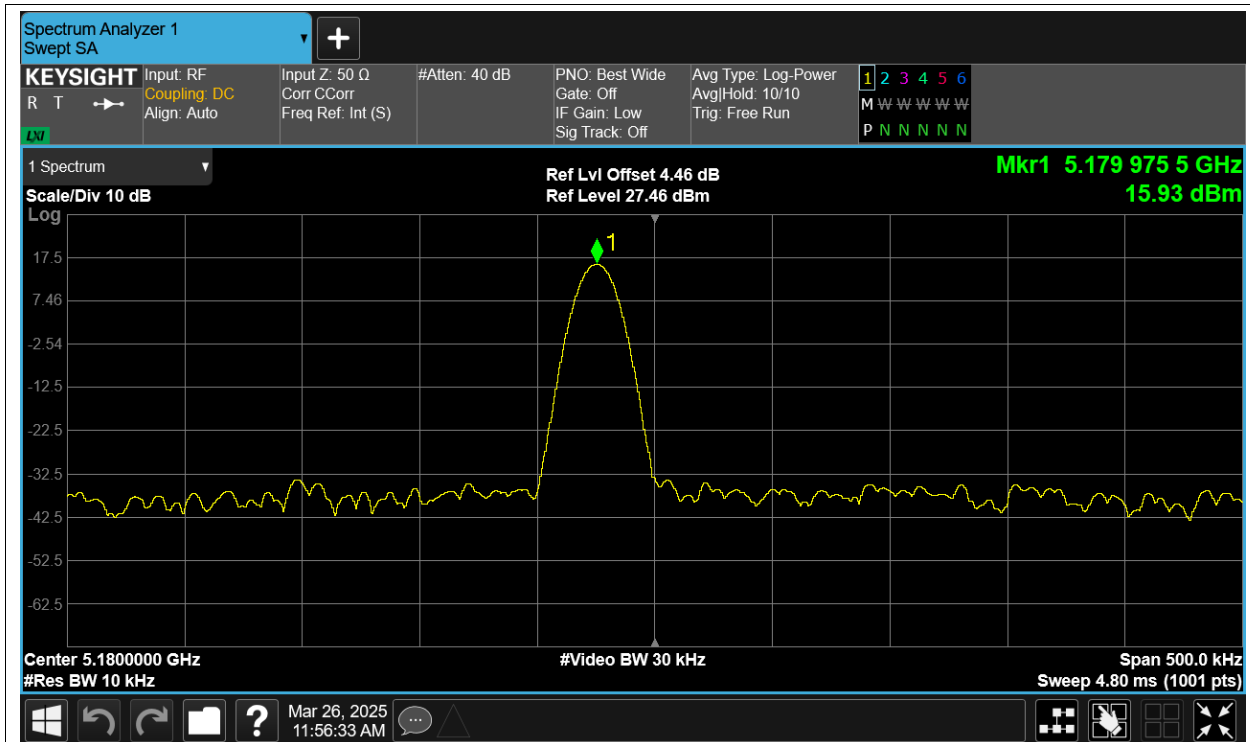
Freq. Stability HVNT a 5180MHz Ant1



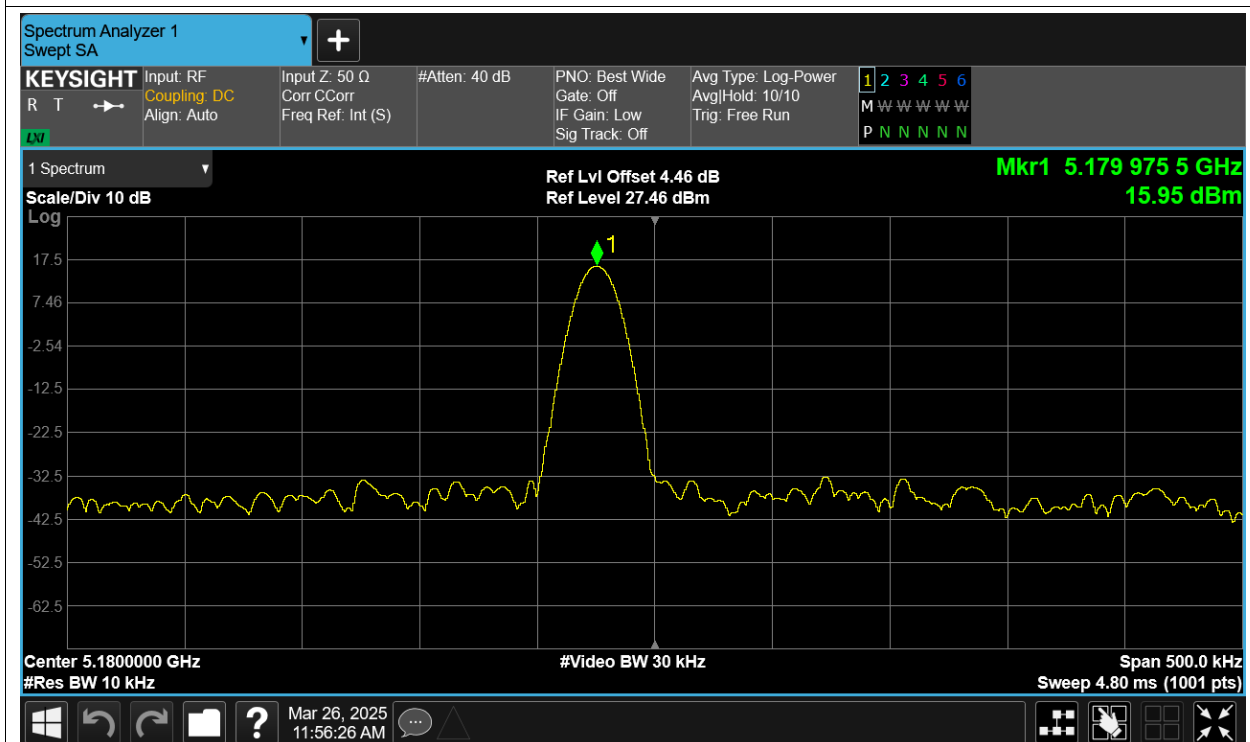
Freq. Stability LVNT a 5180MHz Ant1



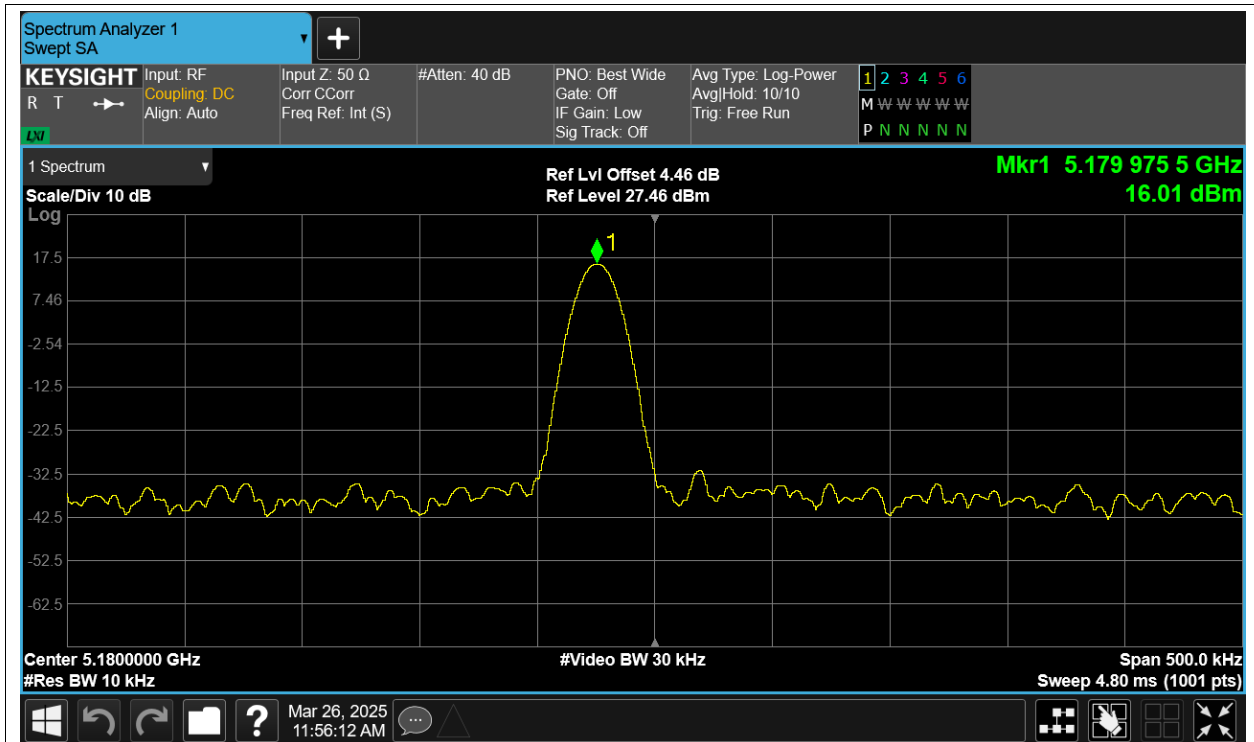
Freq. Stability NVHT a 5180MHz Ant1



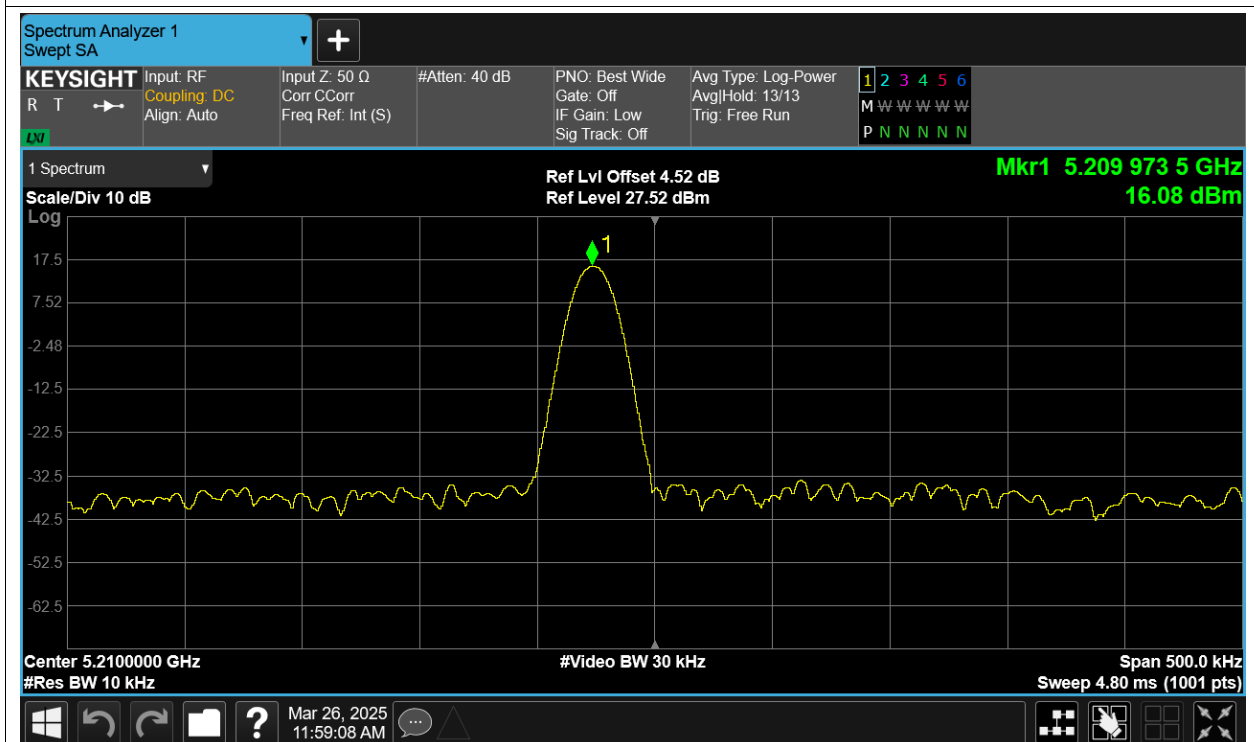
Freq. Stability NVLT a 5180MHz Ant1



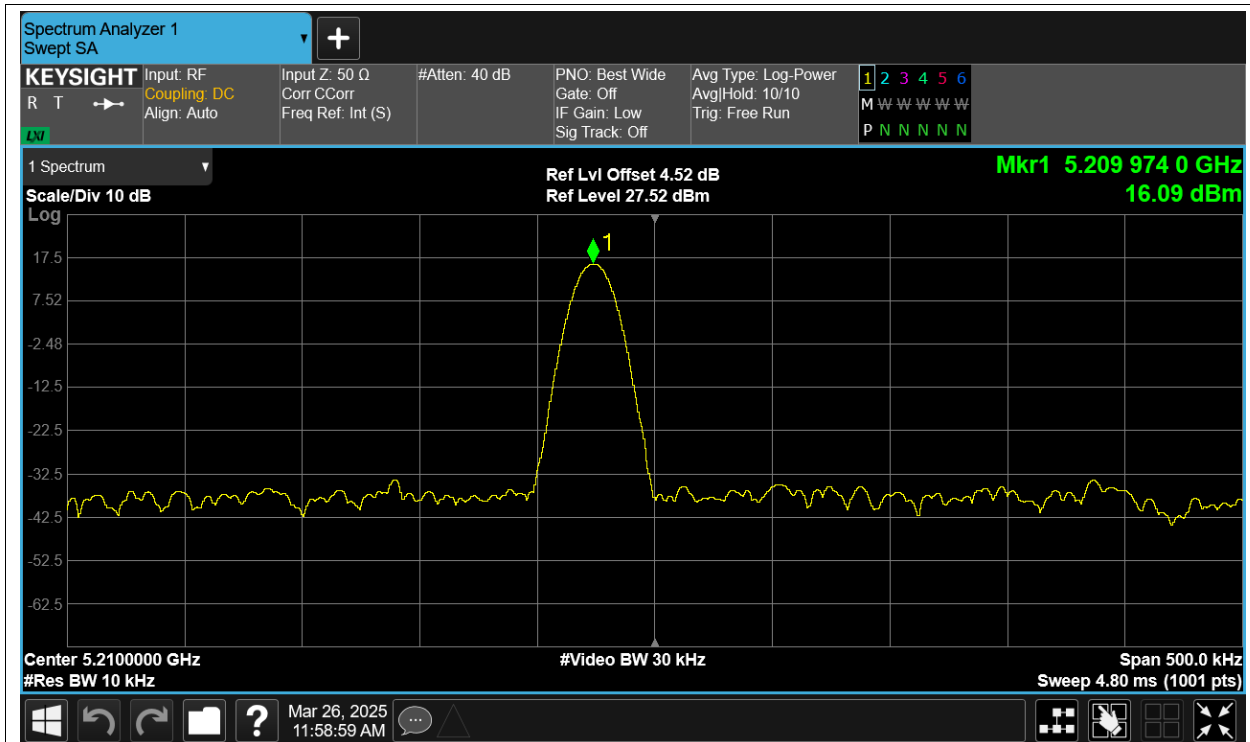
Freq. Stability NVNT a 5180MHz Ant1



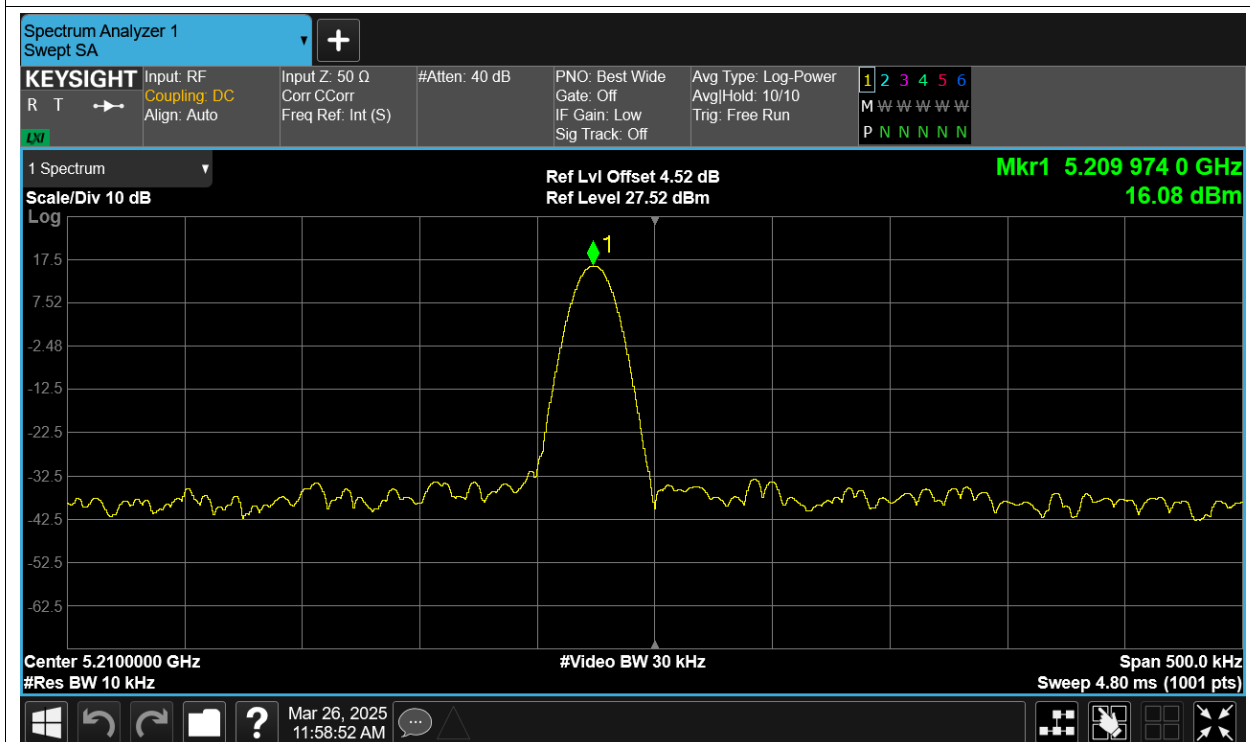
Freq. Stability HVNT ac80 5210MHz Ant1



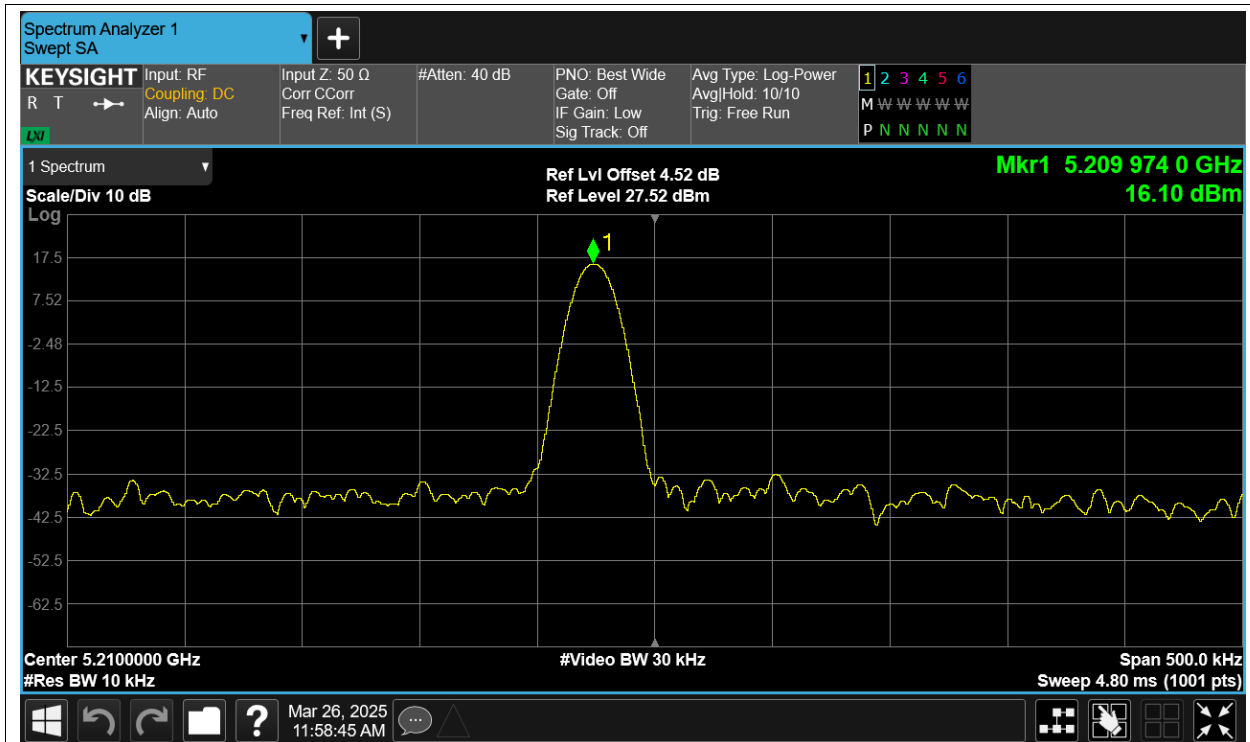
Freq. Stability LVNT ac80 5210MHz Ant1



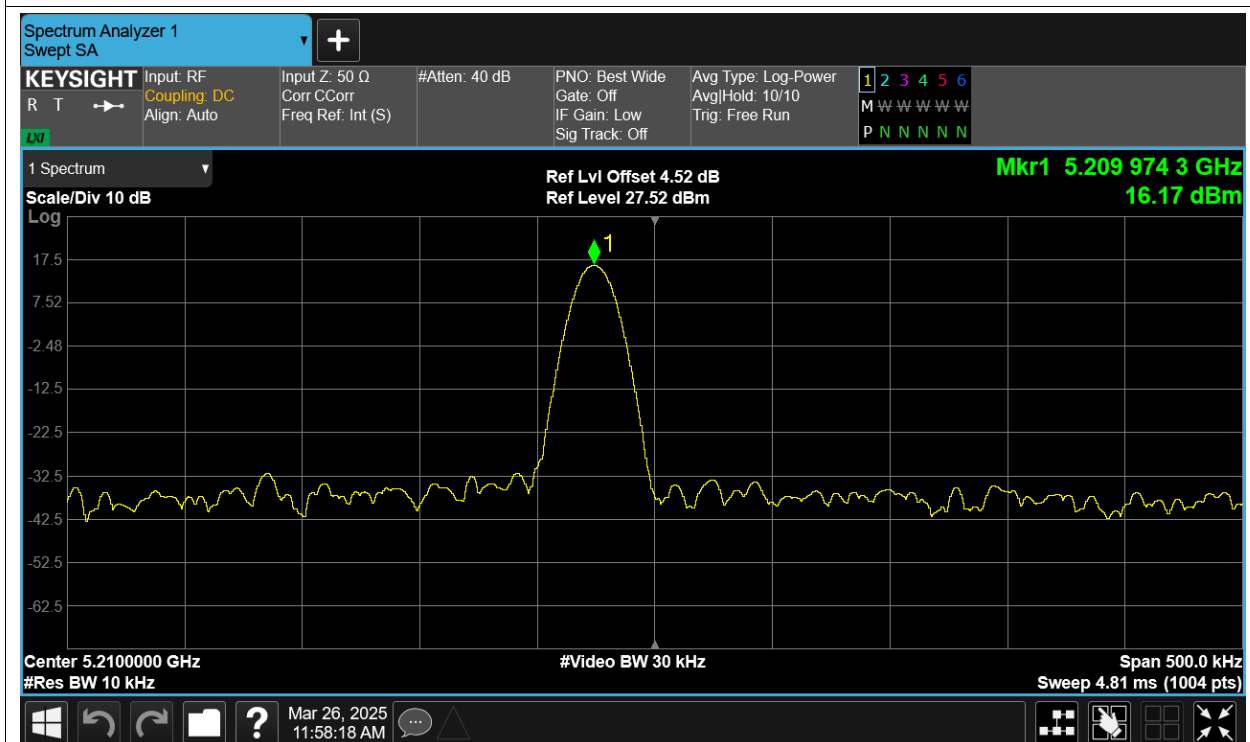
Freq. Stability NVHT ac80 5210MHz Ant1



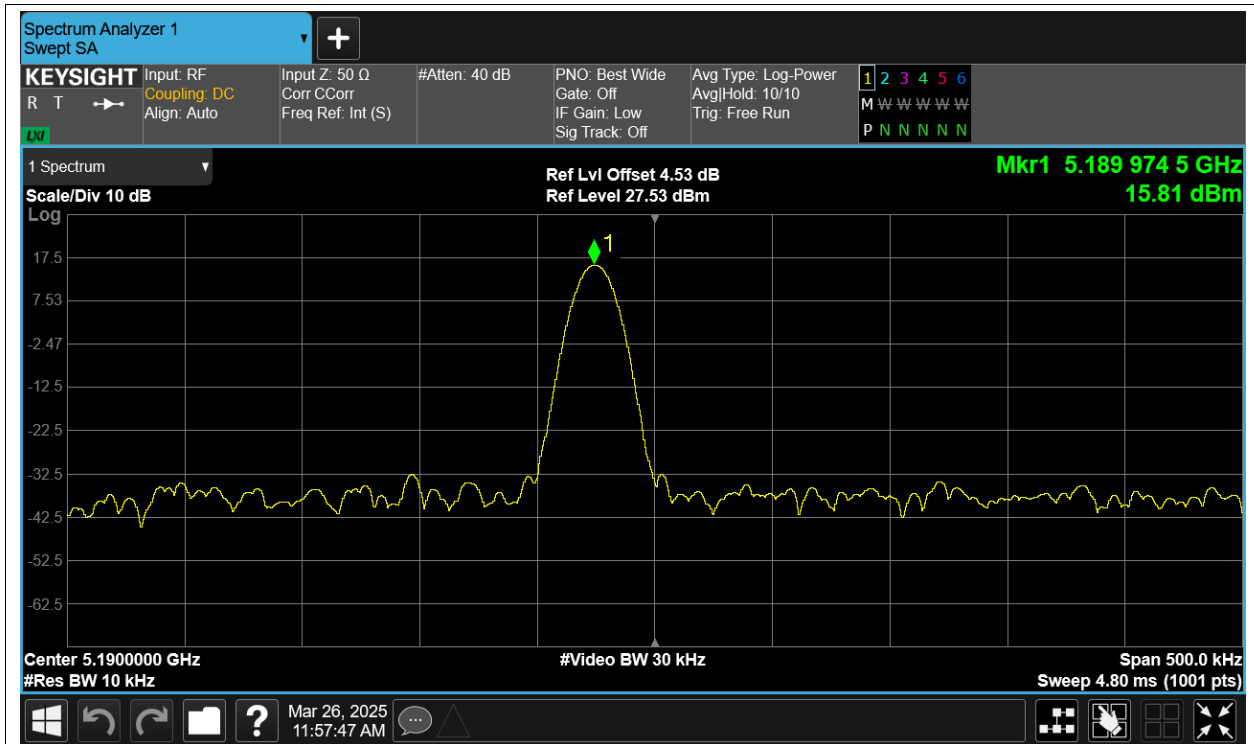
Freq. Stability NVLT ac80 5210MHz Ant1



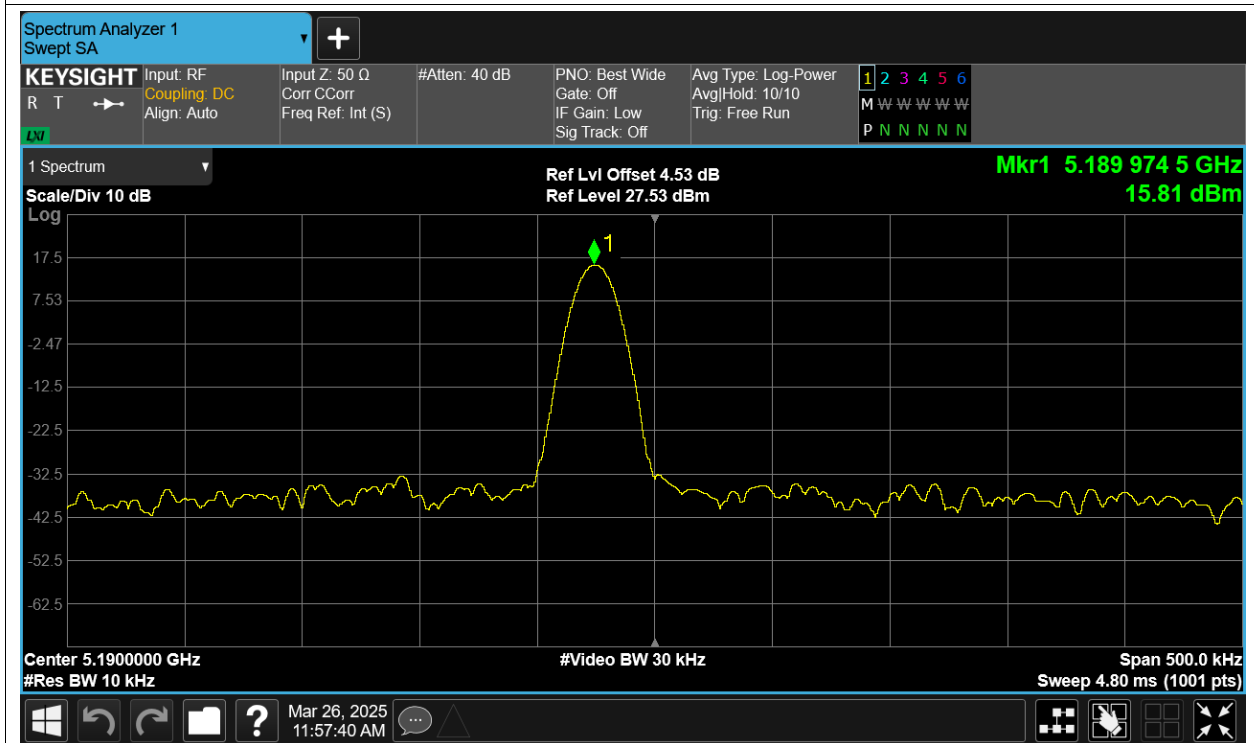
Freq. Stability NVNT ac80 5210MHz Ant1



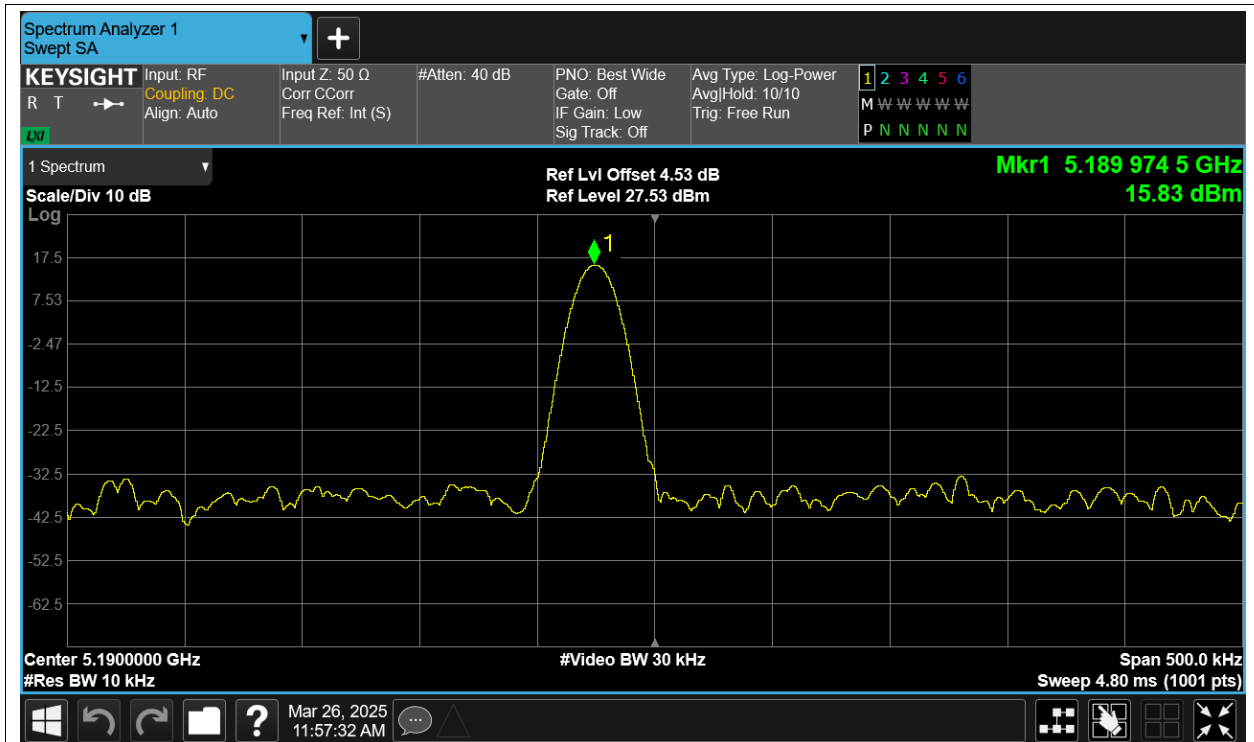
Freq. Stability HVNT n40 5190MHz Ant1



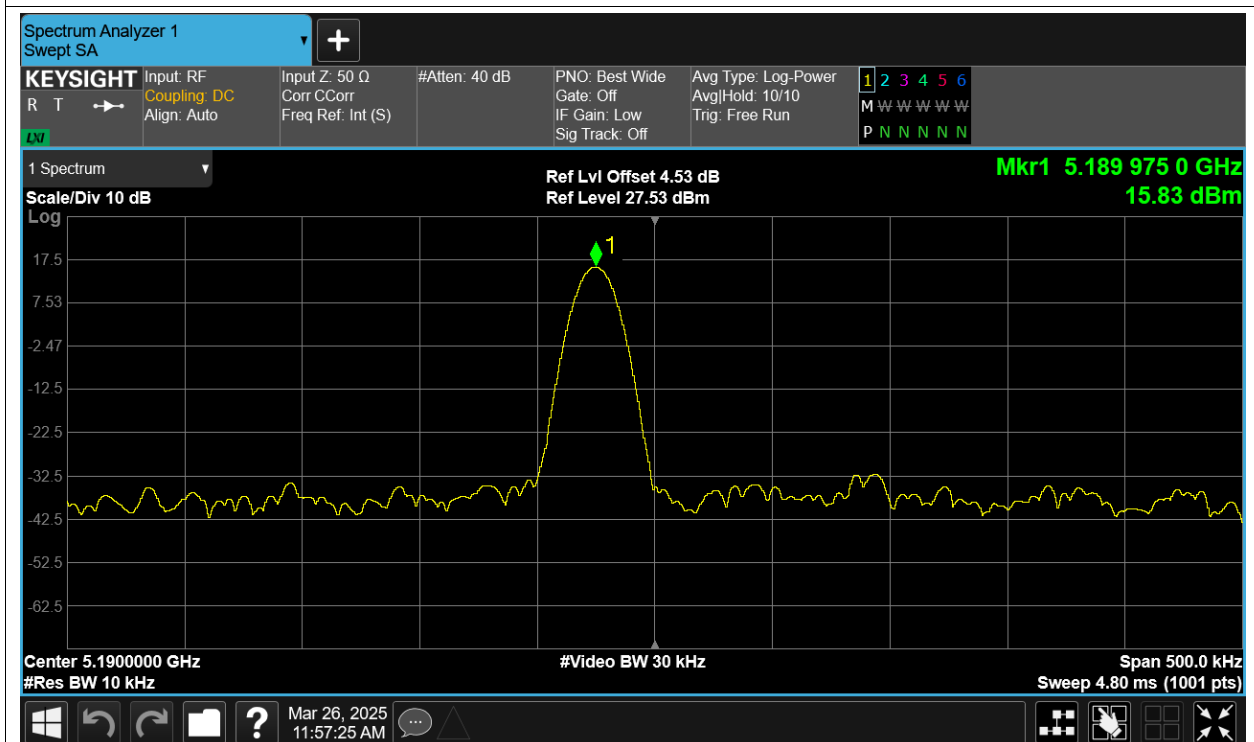
Freq. Stability LVNT n40 5190MHz Ant1



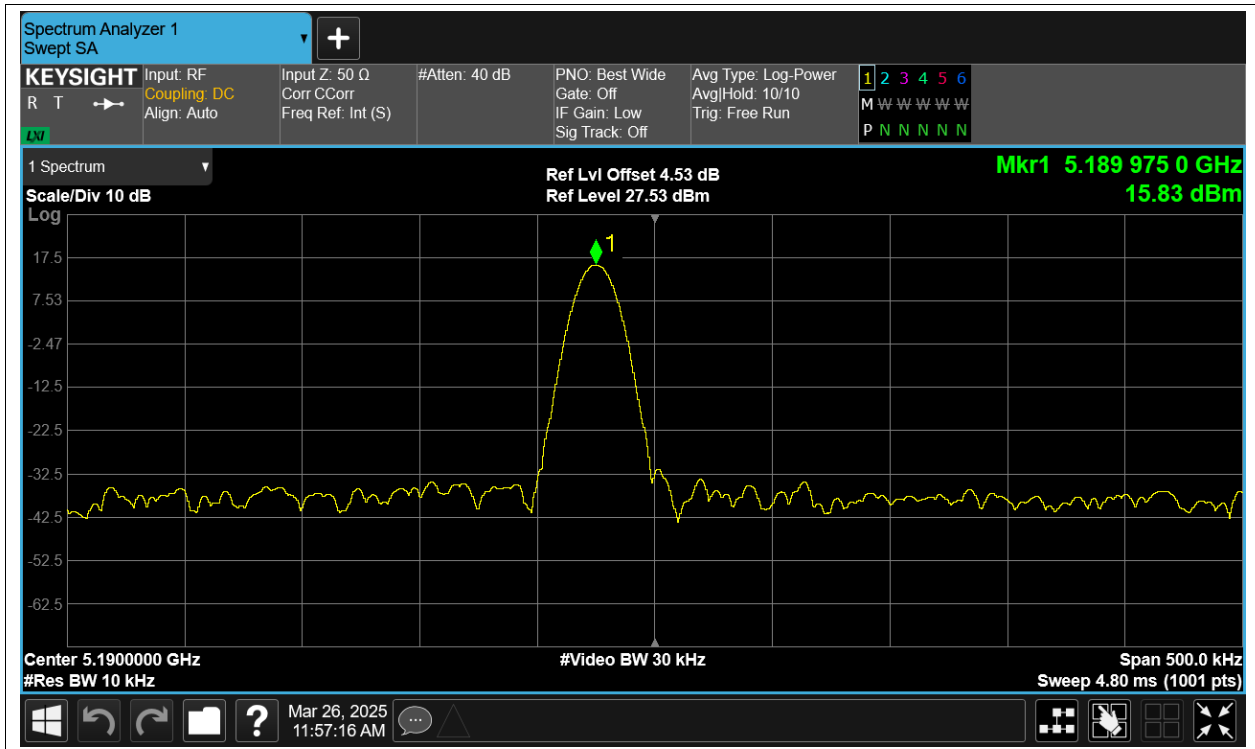
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

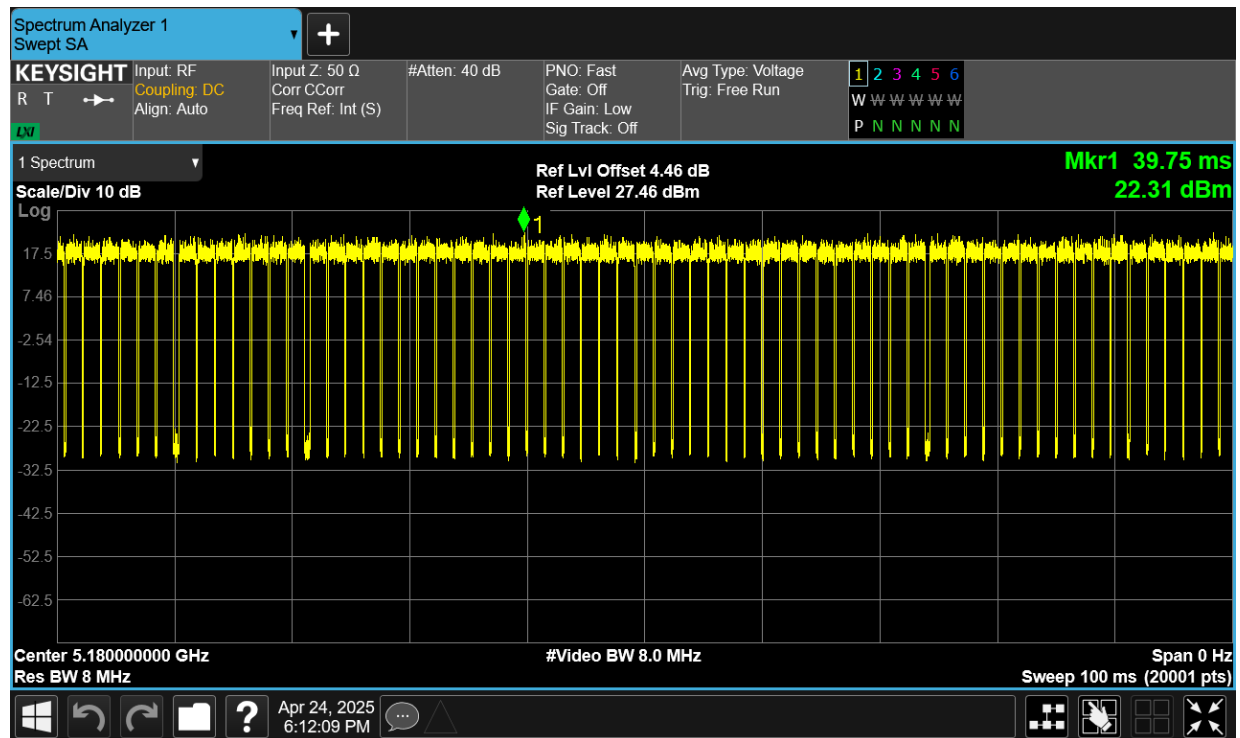


Duty Cycle

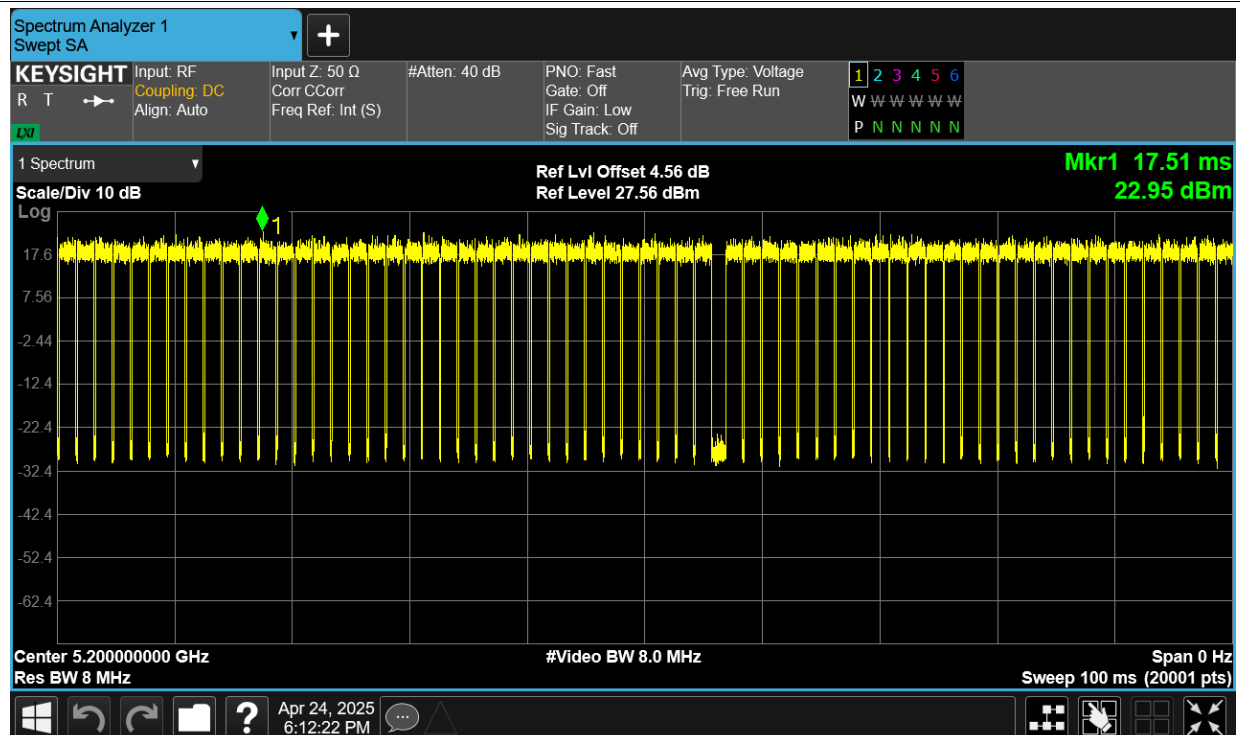
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	89.58	0.48
NVNT	a	5200	Ant1	89.32	0.49
NVNT	a	5240	Ant1	90.07	0.45
NVNT	ac20	5180	Ant1	88.72	0.52
NVNT	ac20	5200	Ant1	88.88	0.51
NVNT	ac20	5240	Ant1	88.21	0.55
NVNT	ac40	5190	Ant1	78.45	1.05
NVNT	ac40	5230	Ant1	80.06	0.97
NVNT	ac80	5210	Ant1	67.28	1.72
NVNT	n20	5180	Ant1	87.5	0.58
NVNT	n20	5200	Ant1	88.76	0.52
NVNT	n20	5240	Ant1	88.75	0.52
NVNT	n40	5190	Ant1	79.71	0.99
NVNT	n40	5230	Ant1	79.74	0.98

Test Graphs

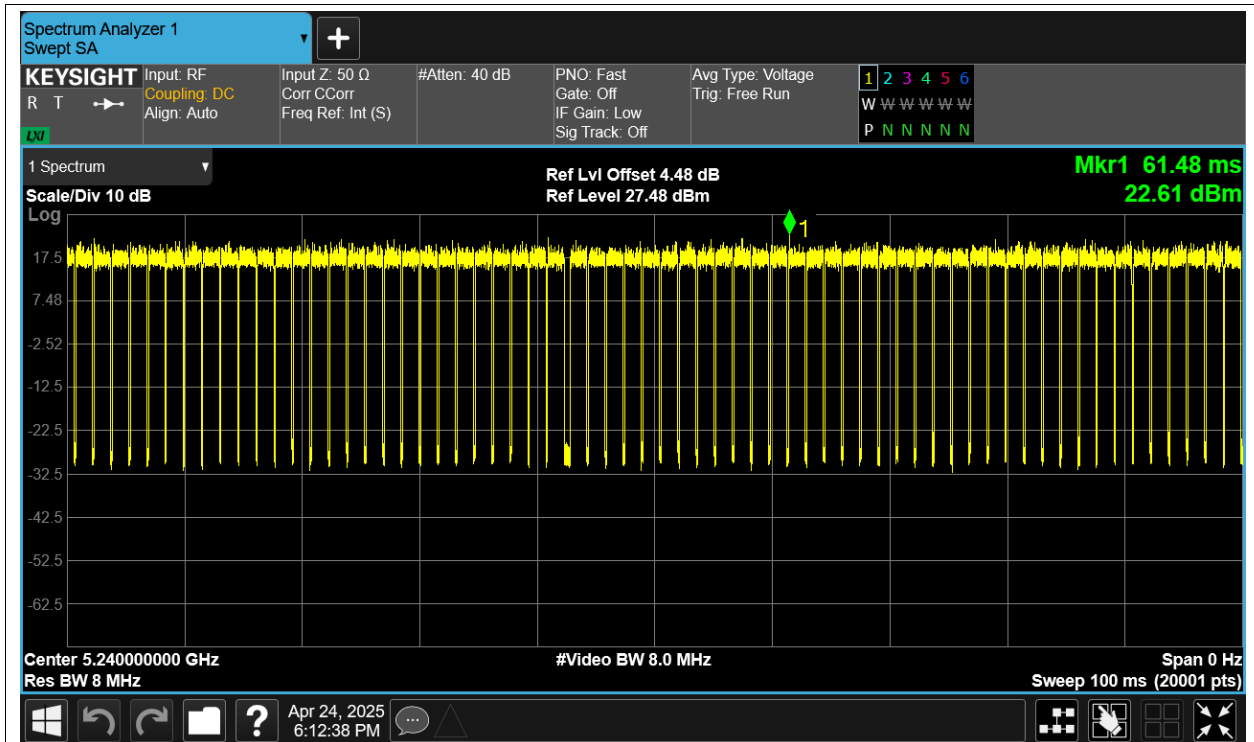
Duty Cycle NVNT a 5180MHz Ant1



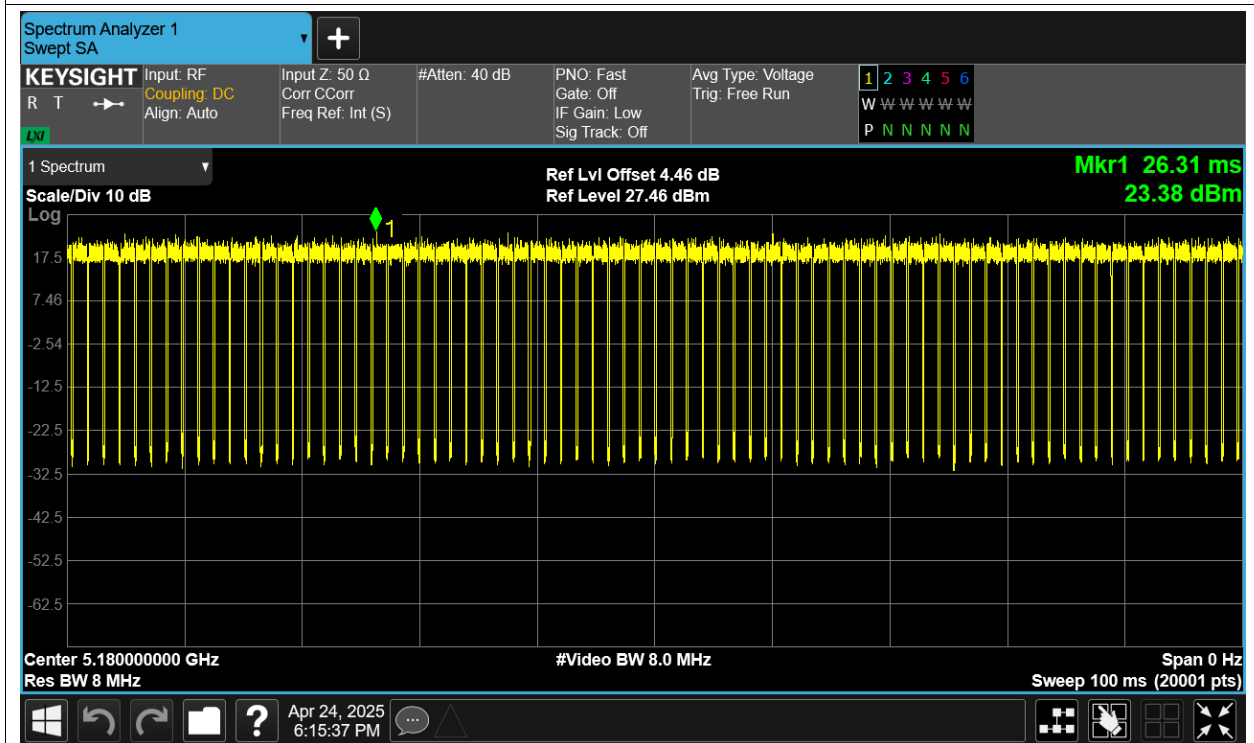
Duty Cycle NVNT a 5200MHz Ant1



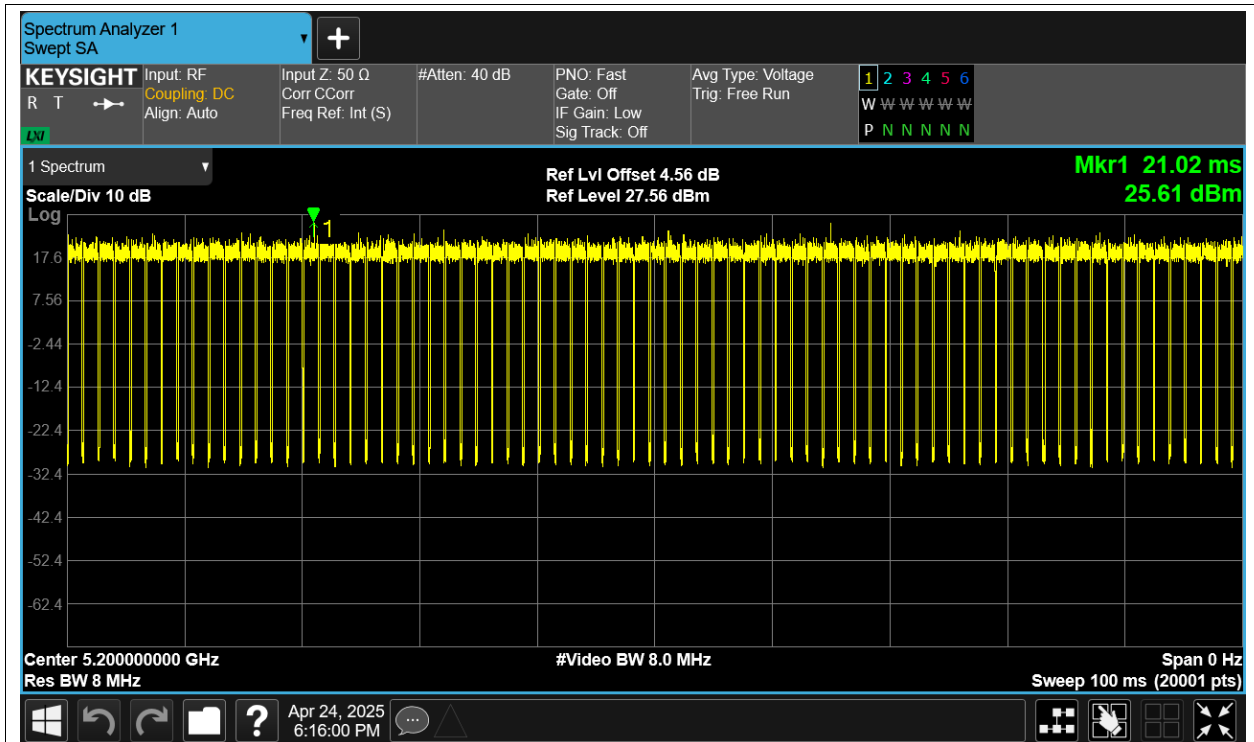
Duty Cycle NVNT a 5240MHz Ant1



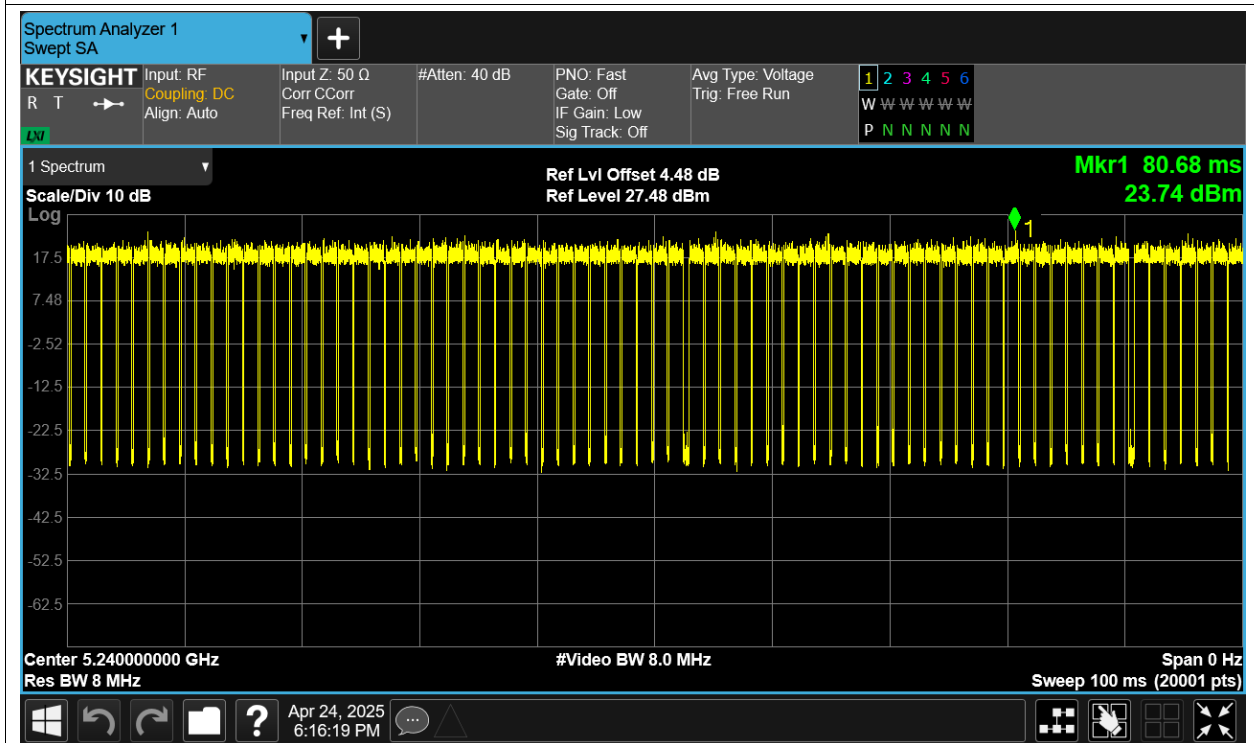
Duty Cycle NVNT ac20 5180MHz Ant1



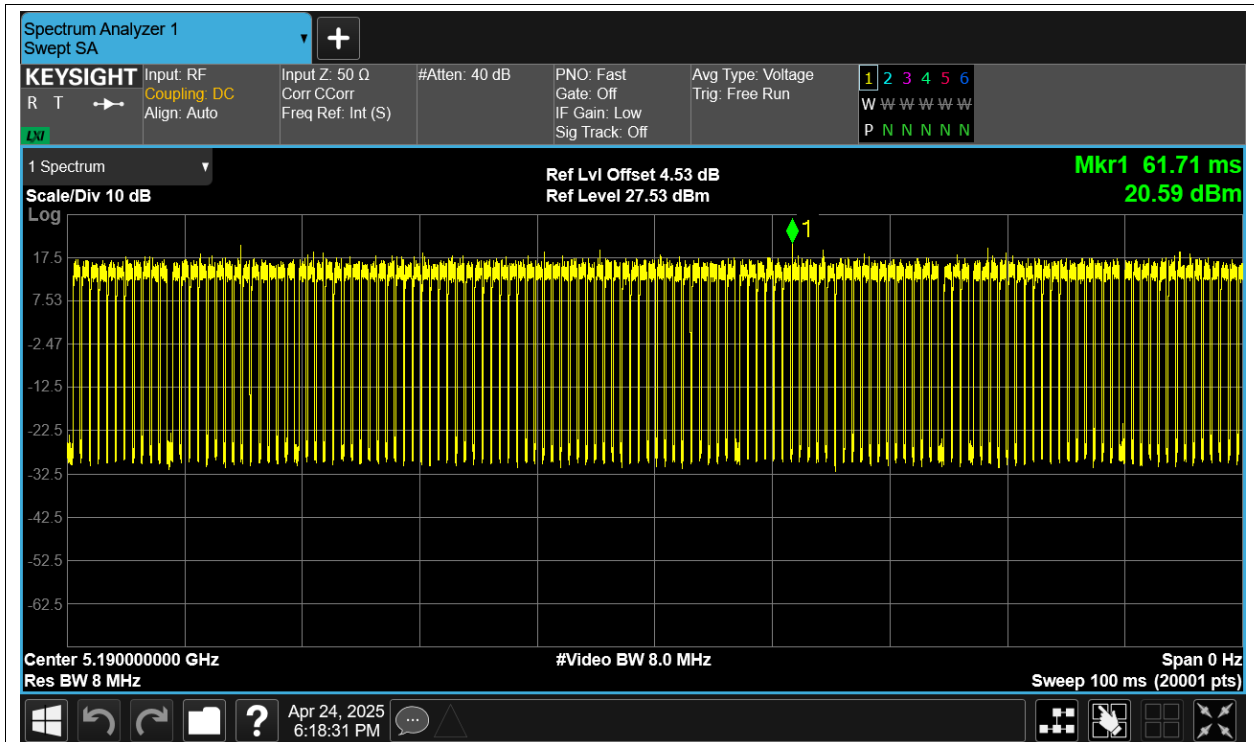
Duty Cycle NVNT ac20 5200MHz Ant1



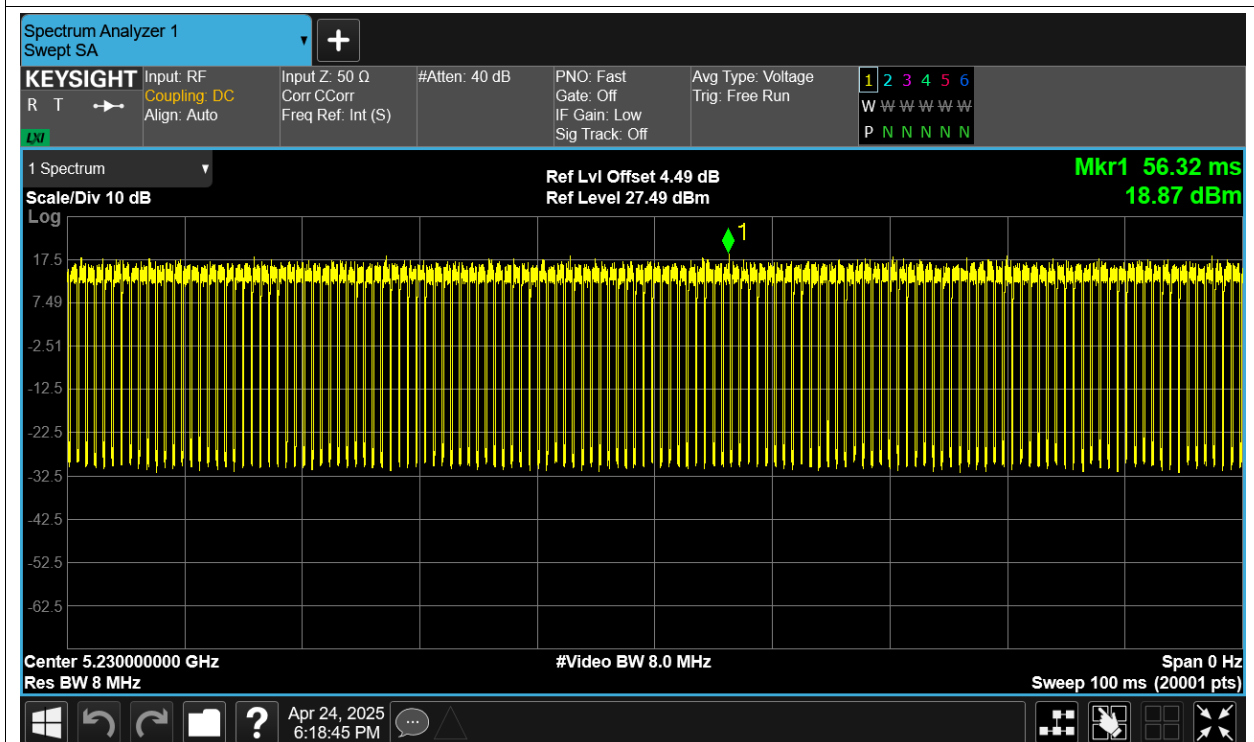
Duty Cycle NVNT ac20 5240MHz Ant1



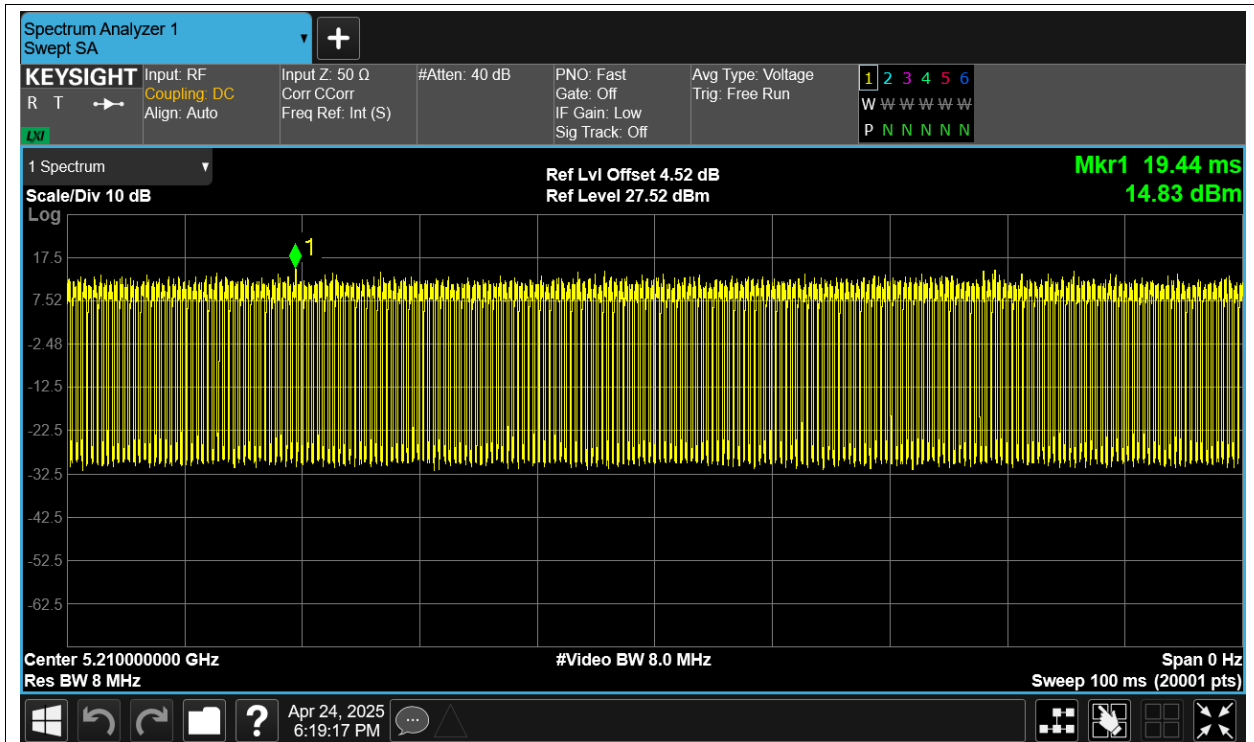
Duty Cycle NVNT ac40 5190MHz Ant1



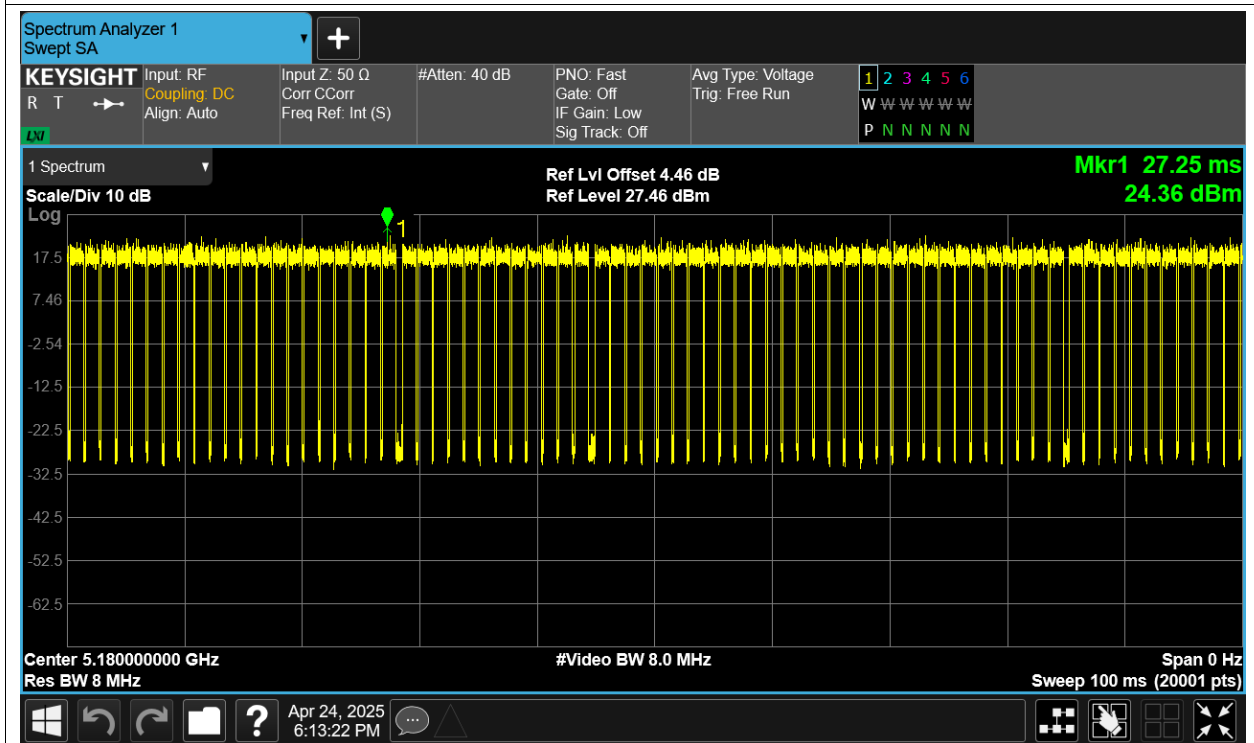
Duty Cycle NVNT ac40 5230MHz Ant1



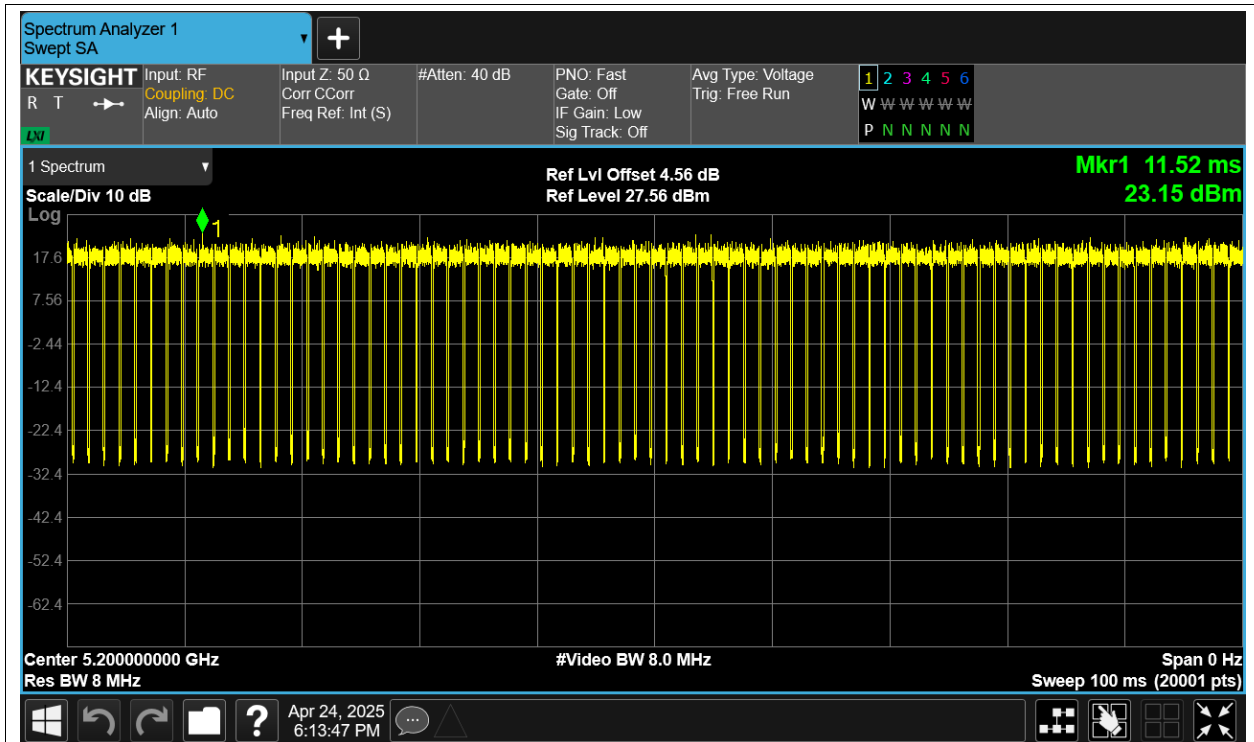
Duty Cycle NVNT ac80 5210MHz Ant1



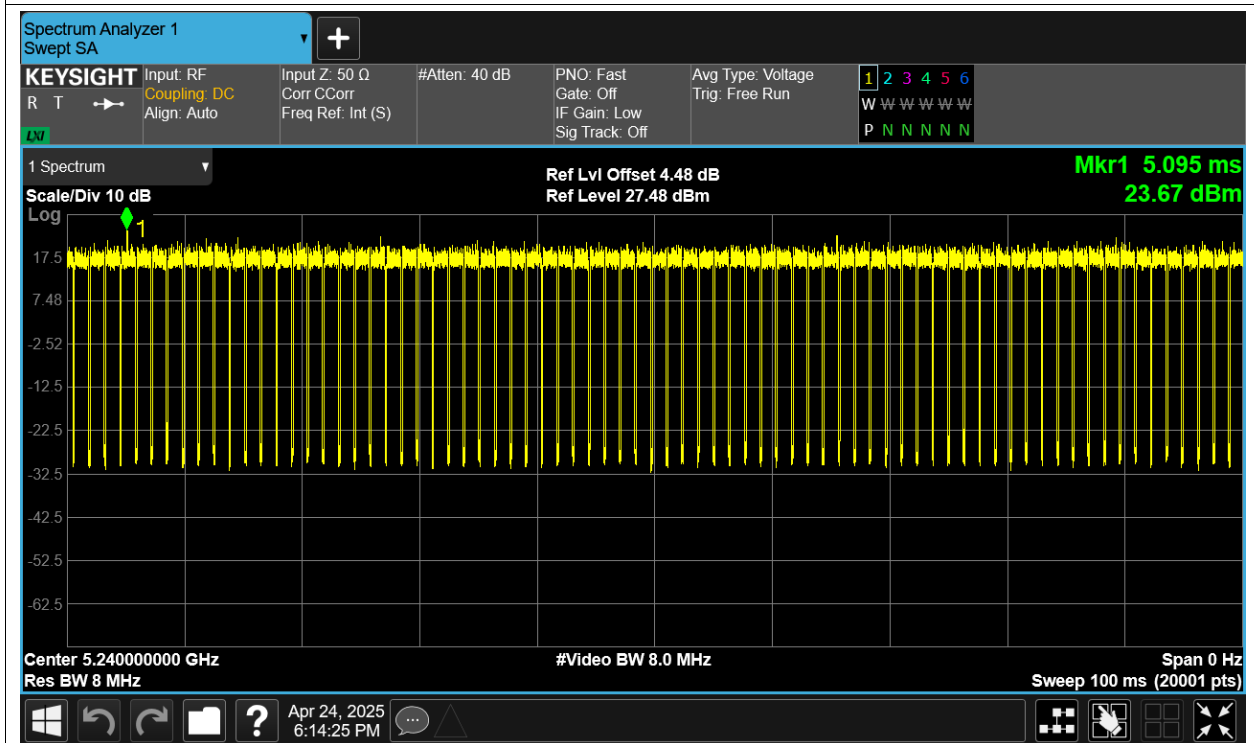
Duty Cycle NVNT n20 5180MHz Ant1



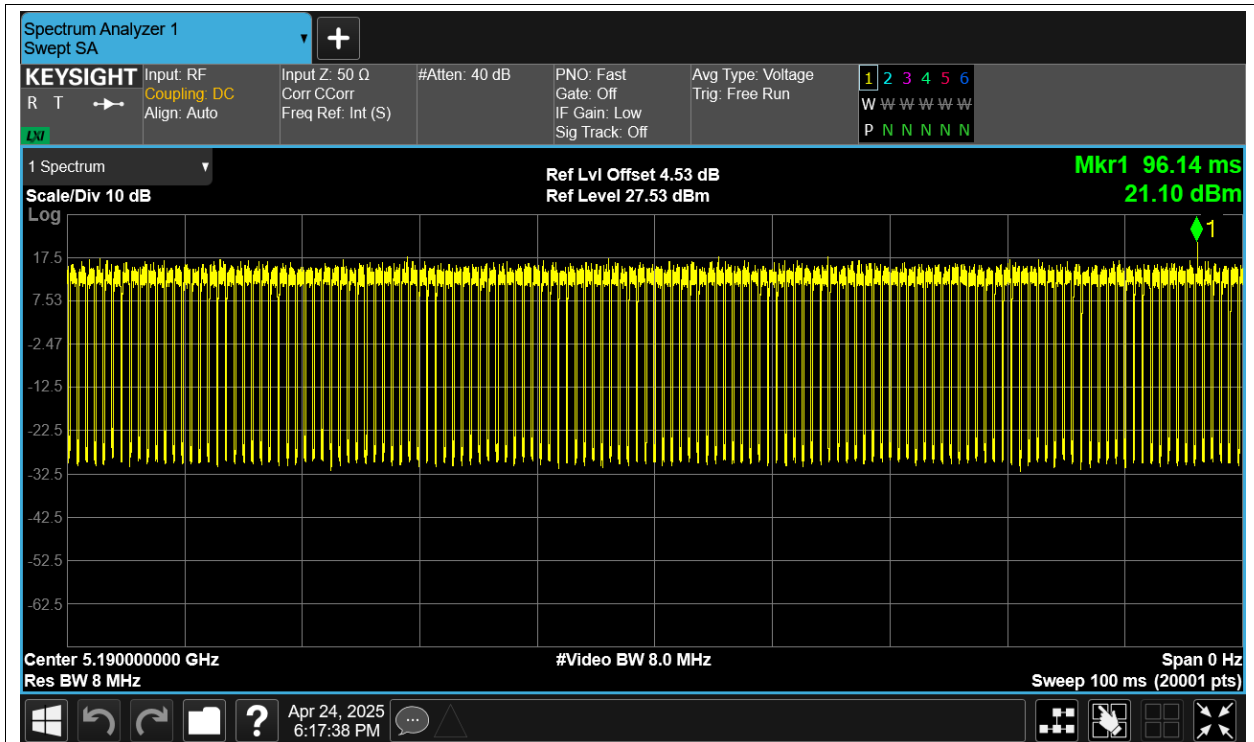
Duty Cycle NVNT n20 5200MHz Ant1



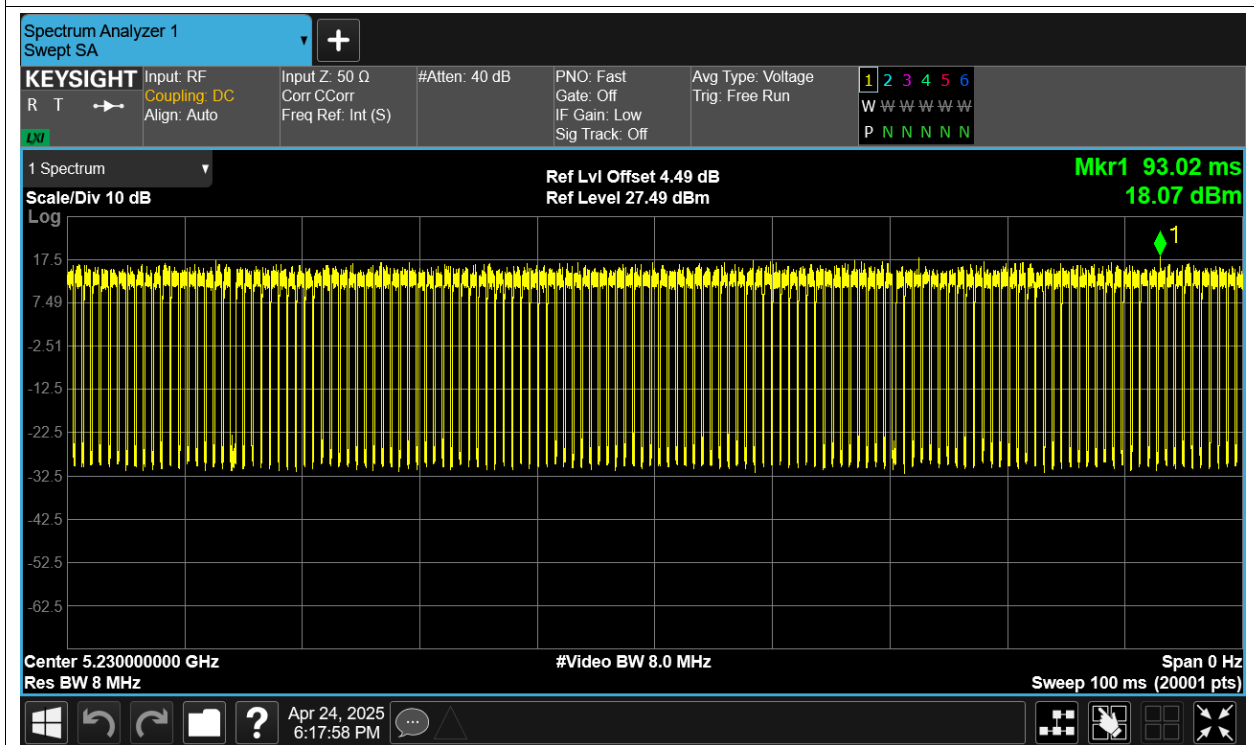
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

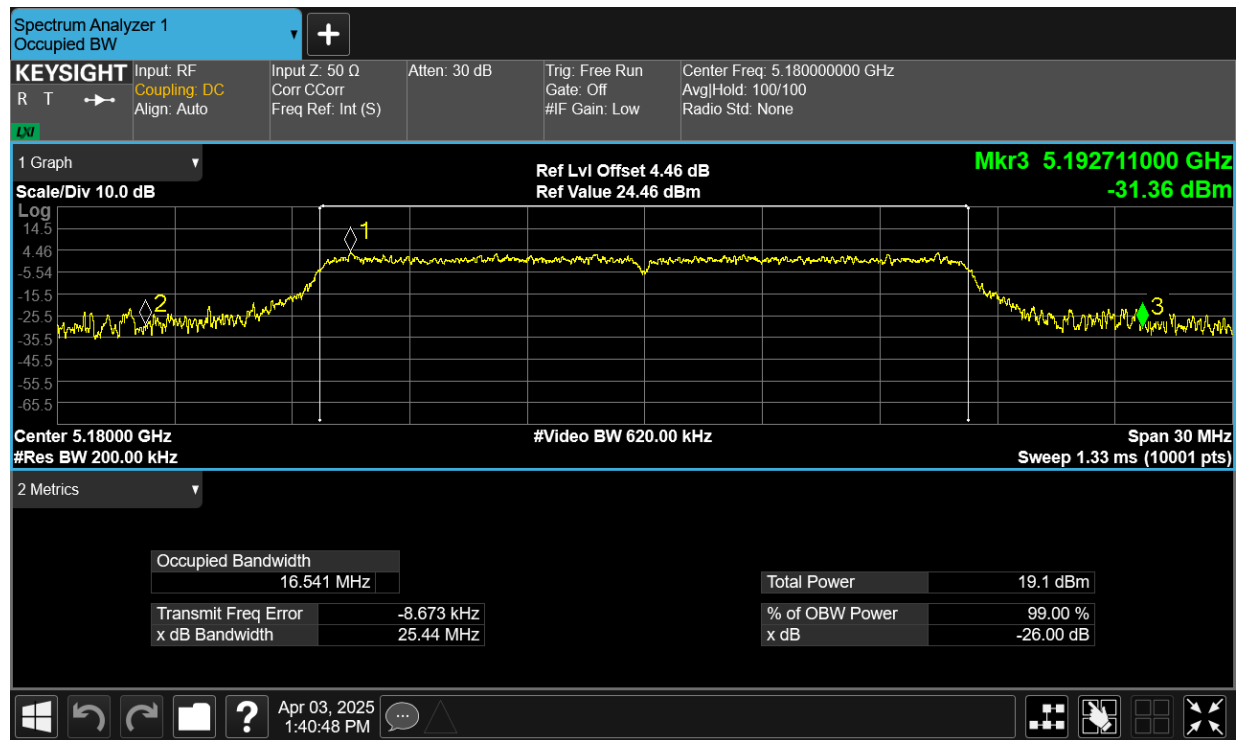
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.89	0.44	13.33	24	Pass
NVNT	a	5200	Ant1	13.68	0.48	14.16	24	Pass
NVNT	a	5240	Ant1	12.86	0.43	13.29	24	Pass
NVNT	ac20	5180	Ant1	14.63	0.56	15.19	24	Pass
NVNT	ac20	5200	Ant1	15.06	0.54	15.6	24	Pass
NVNT	ac20	5240	Ant1	14.42	0.57	14.99	24	Pass
NVNT	ac40	5190	Ant1	14.33	1.14	15.47	23	Pass
NVNT	ac40	5230	Ant1	14.53	1.01	15.54	24	Pass
NVNT	ac80	5210	Ant1	13.6	1.72	15.32	24	Pass
NVNT	n20	5180	Ant1	12.91	0.53	13.44	24	Pass
NVNT	n20	5200	Ant1	13.8	0.53	14.33	24	Pass
NVNT	n20	5240	Ant1	12.89	0.52	13.41	24	Pass
NVNT	n40	5190	Ant1	11.85	0.98	12.83	24	Pass
NVNT	n40	5230	Ant1	12.12	1.13	13.25	24	Pass

-26dB Bandwidth

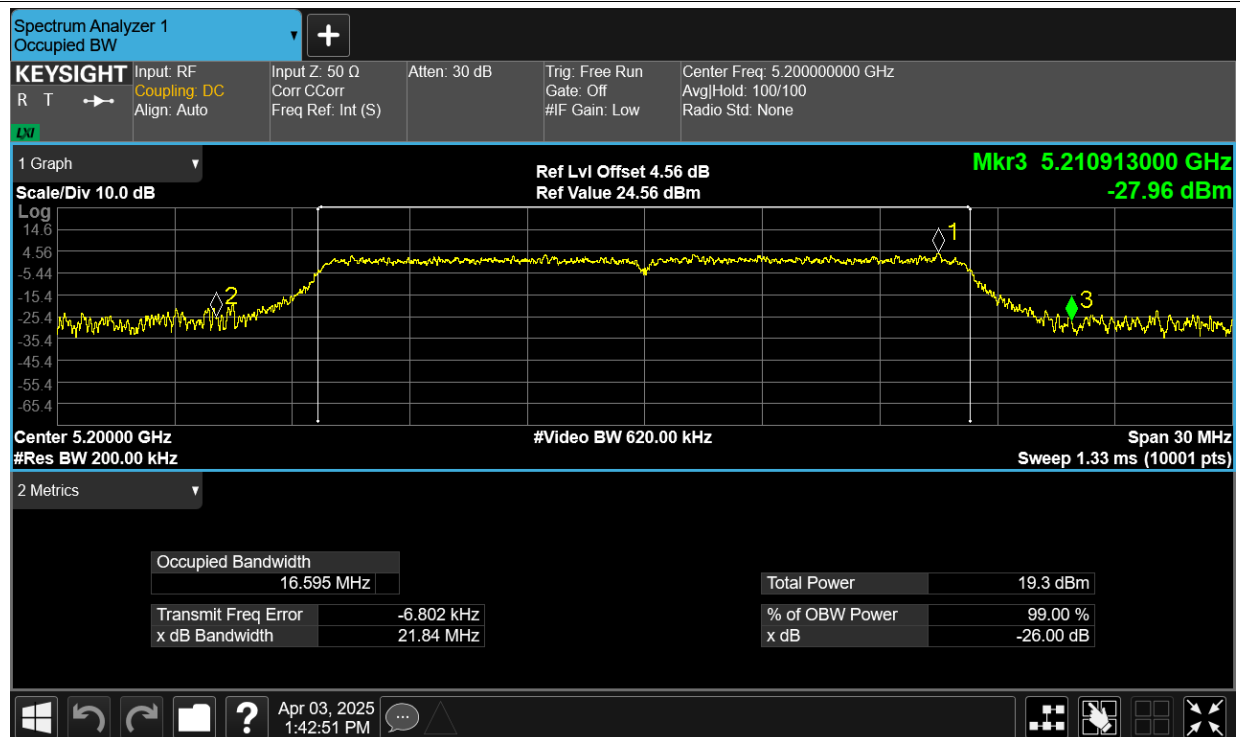
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	25.439
NVNT	a	5200	Ant1	21.839
NVNT	a	5240	Ant1	22.823
NVNT	ac20	5180	Ant1	26.172
NVNT	ac20	5200	Ant1	23.45
NVNT	ac20	5240	Ant1	24.623
NVNT	ac40	5190	Ant1	54.985
NVNT	ac40	5230	Ant1	53.688
NVNT	ac80	5210	Ant1	78.229
NVNT	n20	5180	Ant1	28.844
NVNT	n20	5200	Ant1	27.727
NVNT	n20	5240	Ant1	27.803
NVNT	n40	5190	Ant1	50.498
NVNT	n40	5230	Ant1	50.421

Test Graphs

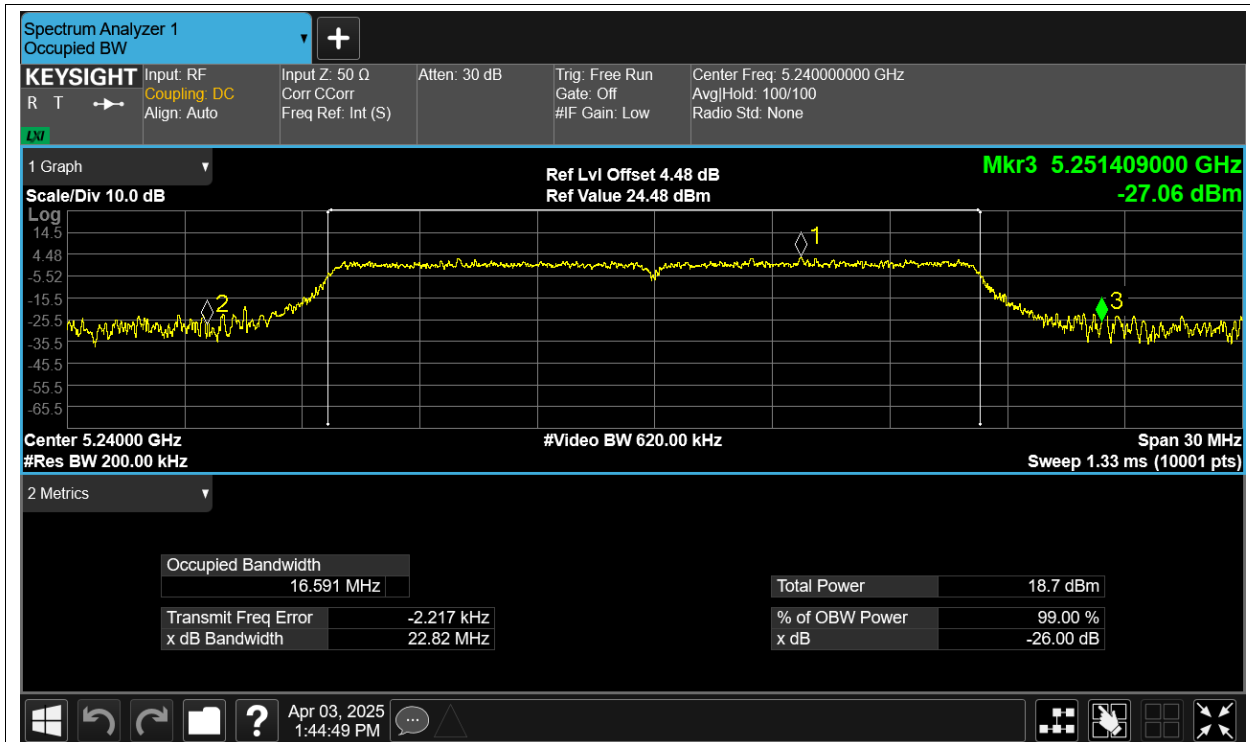
-26dB Bandwidth NVNT a 5180MHz Ant1



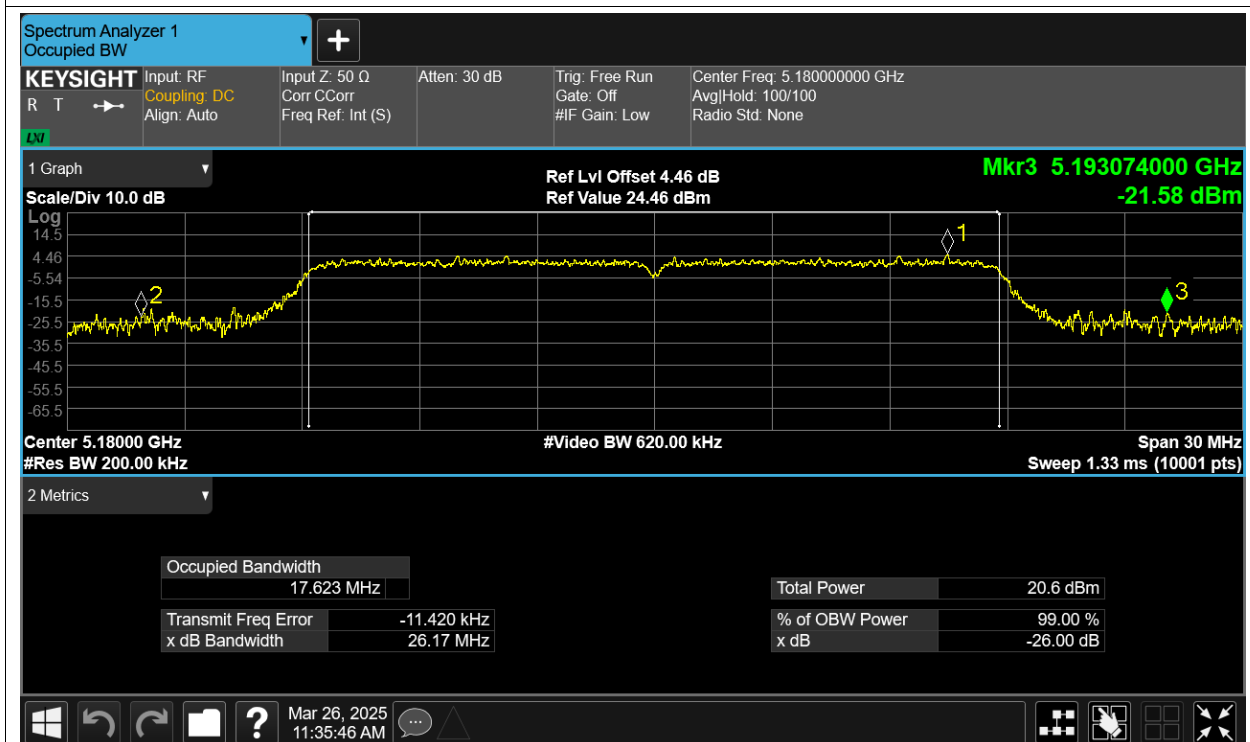
-26dB Bandwidth NVNT a 5200MHz Ant1



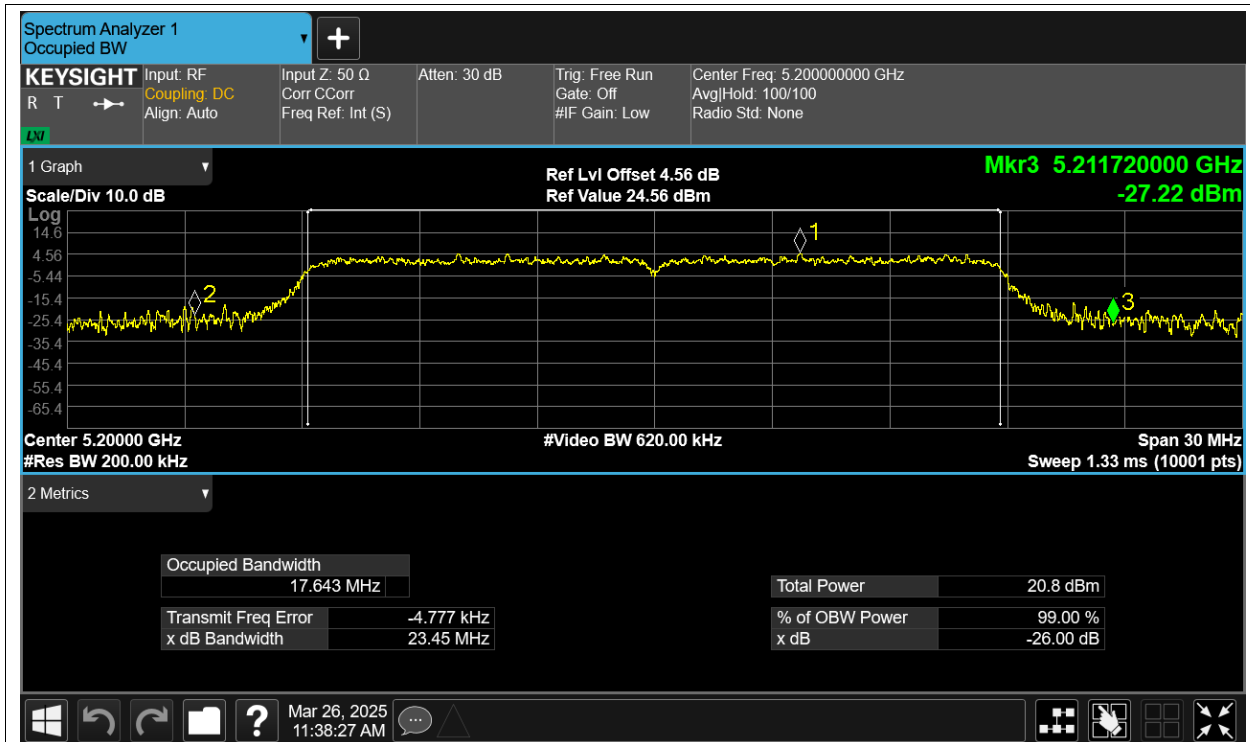
-26dB Bandwidth NVNT a 5240MHz Ant1



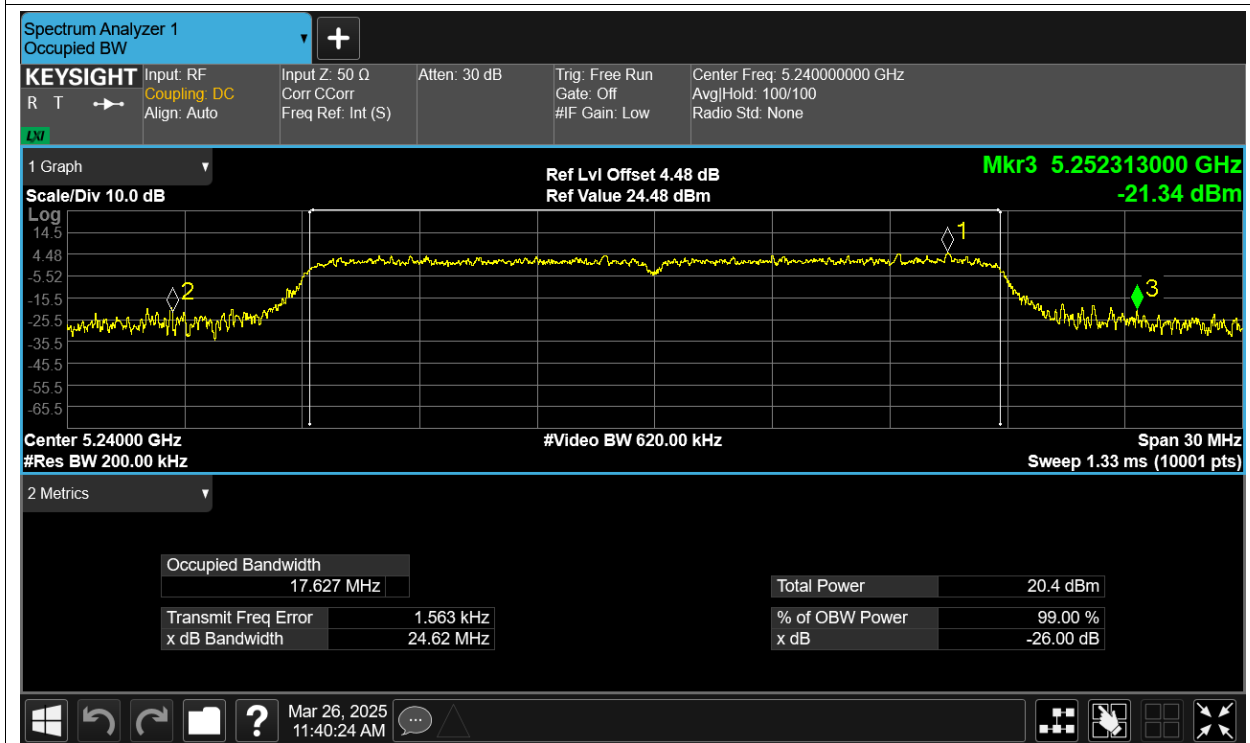
-26dB Bandwidth NVNT ac20 5180MHz Ant1



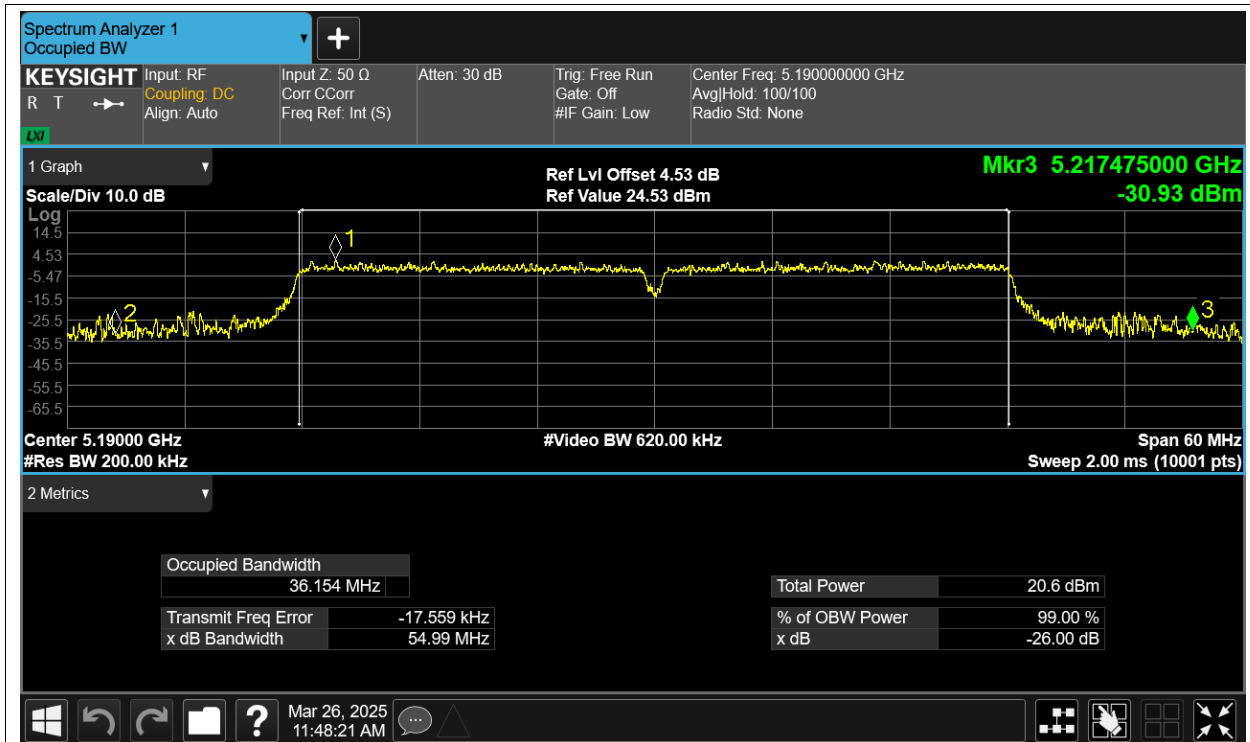
-26dB Bandwidth NVNT ac20 5200MHz Ant1



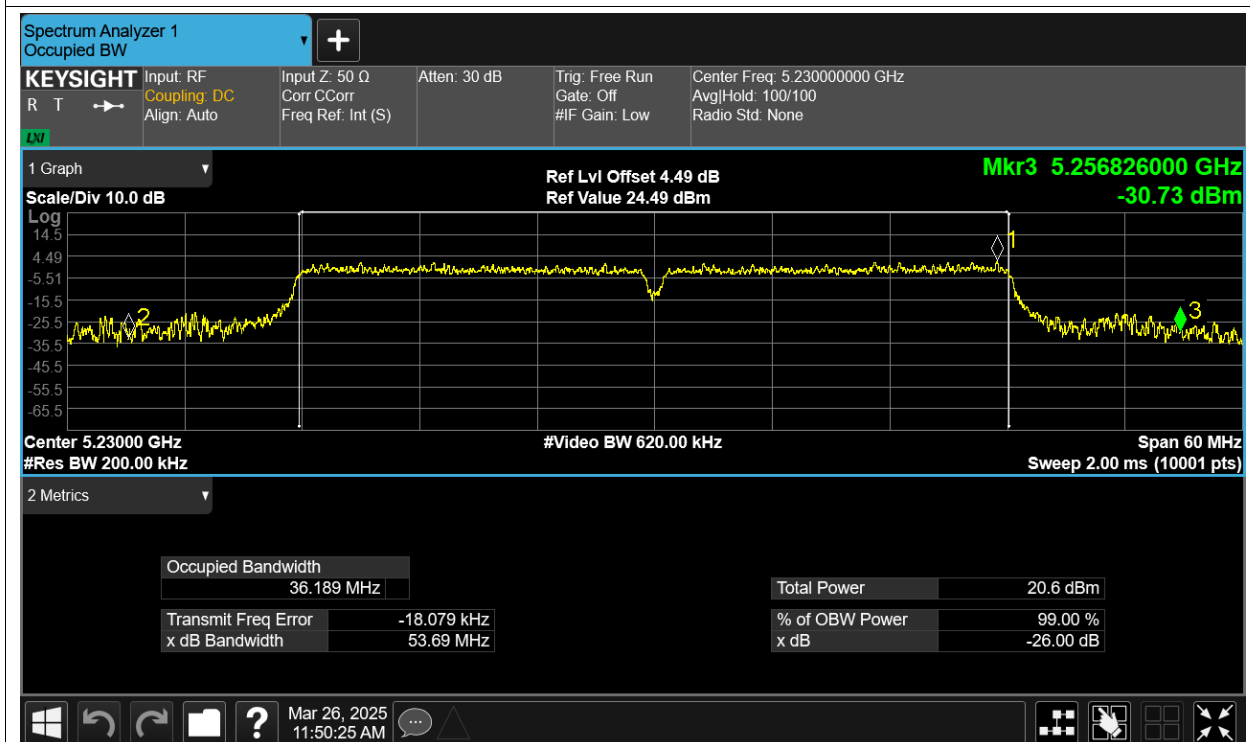
-26dB Bandwidth NVNT ac20 5240MHz Ant1



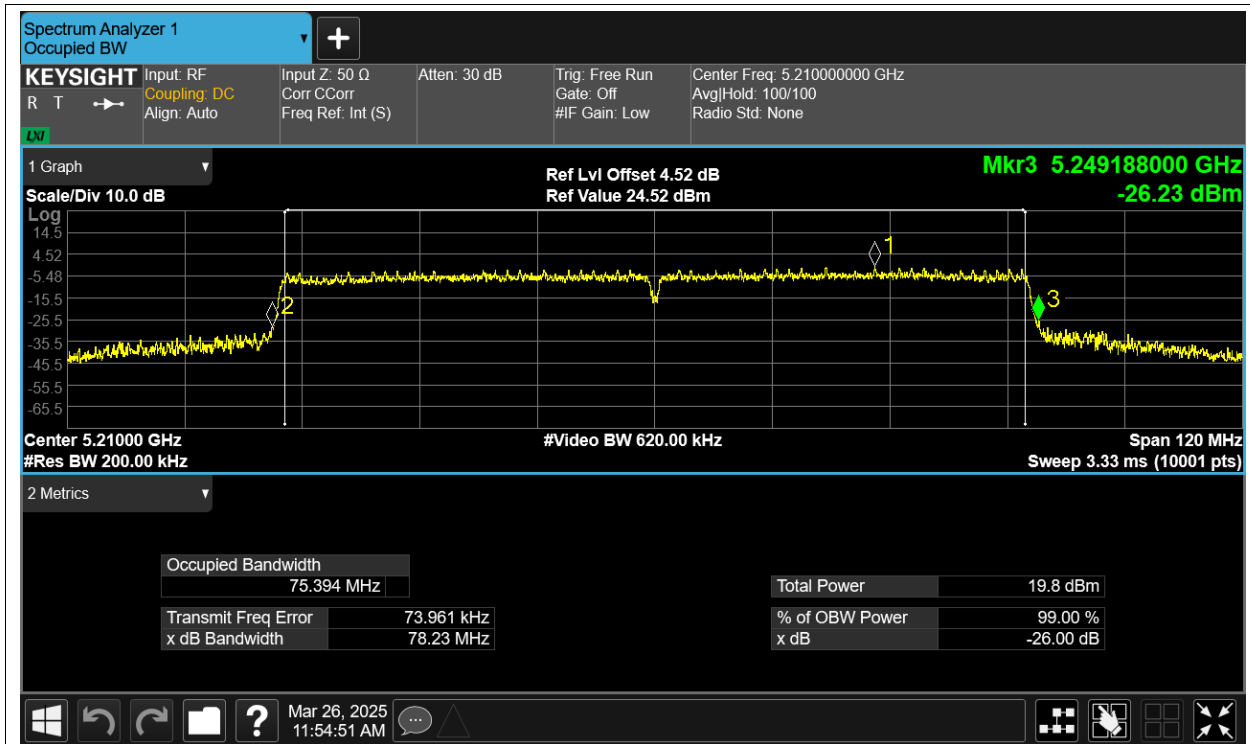
-26dB Bandwidth NVNT ac40 5190MHz Ant1



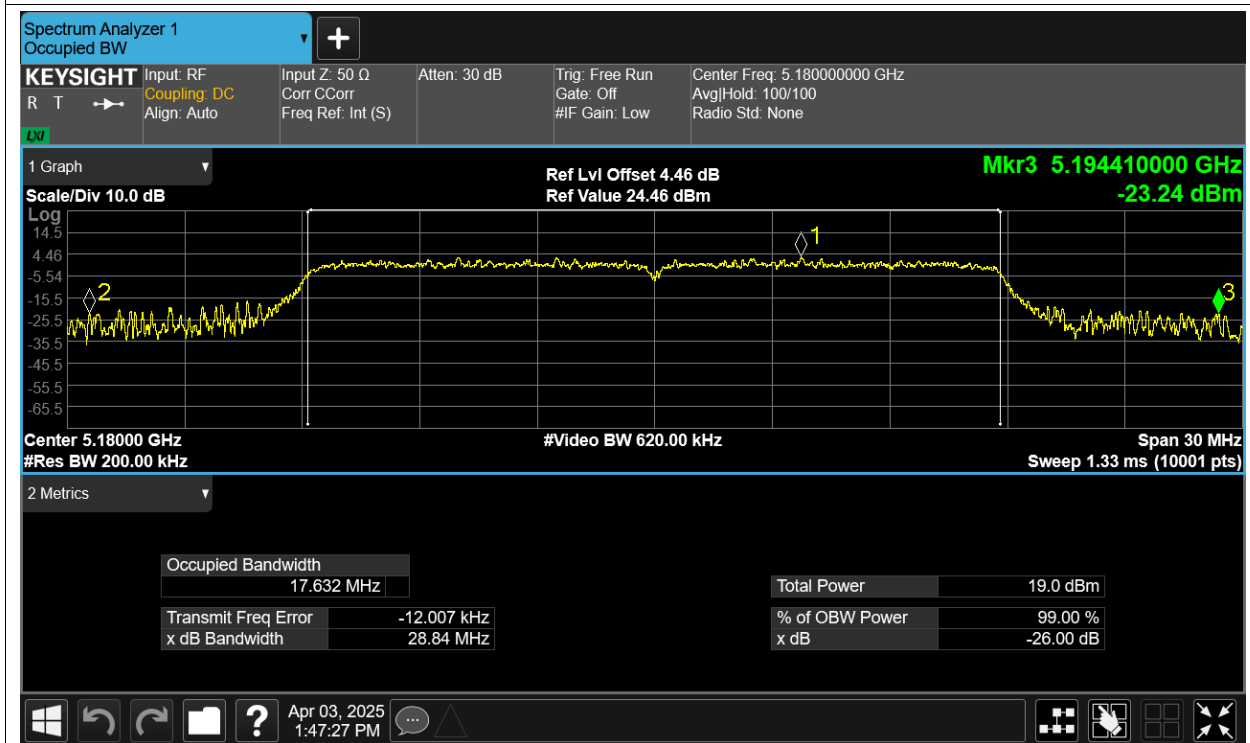
-26dB Bandwidth NVNT ac40 5230MHz Ant1



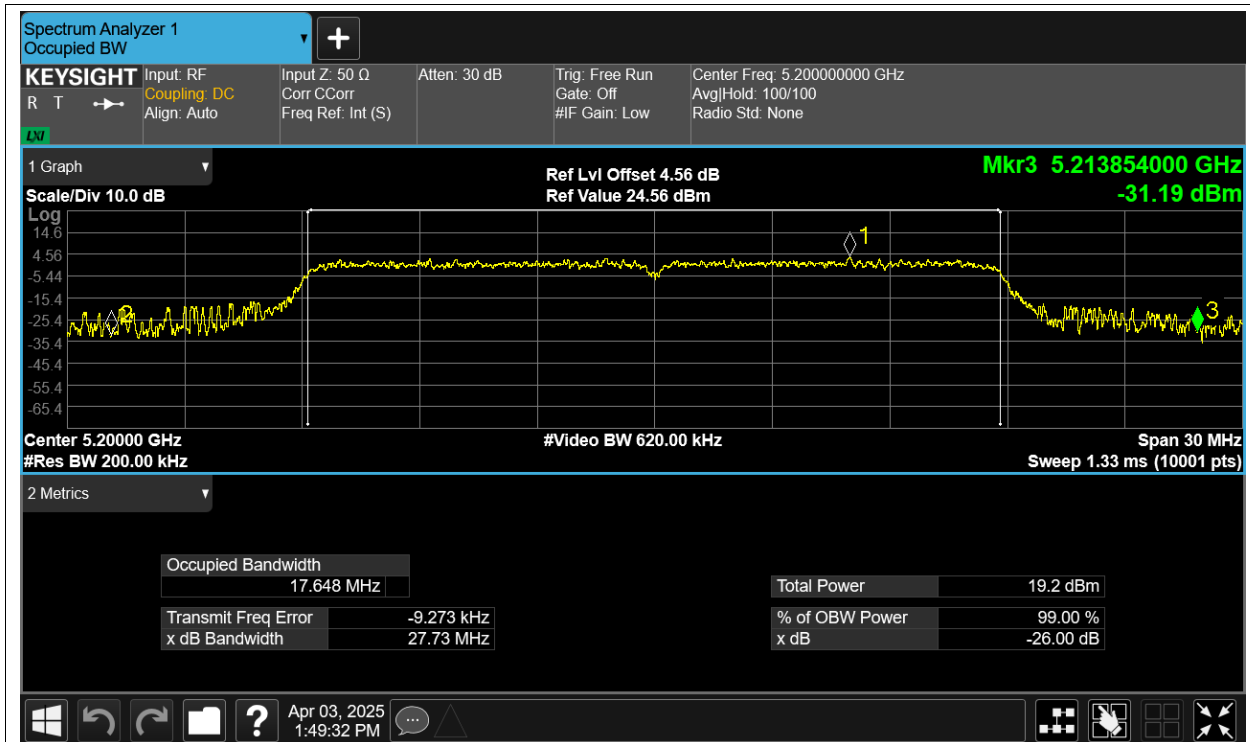
-26dB Bandwidth NVNT ac80 5210MHz Ant1



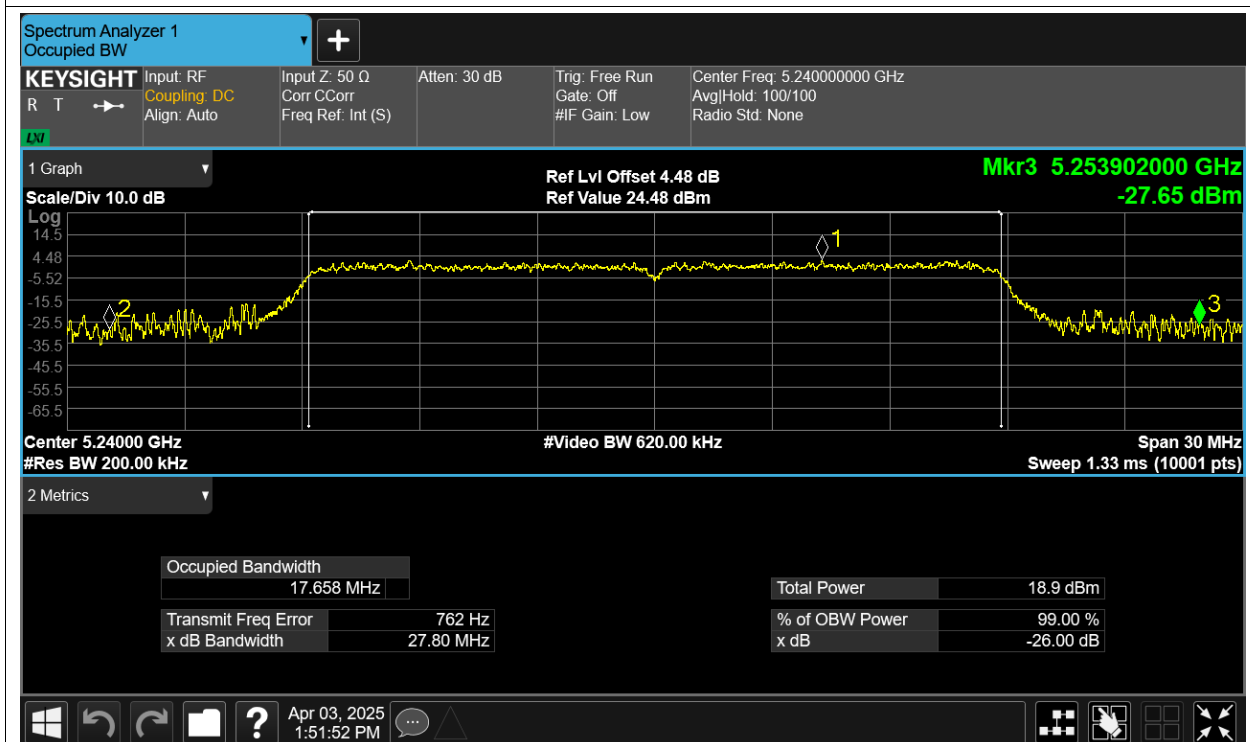
-26dB Bandwidth NVNT n20 5180MHz Ant1



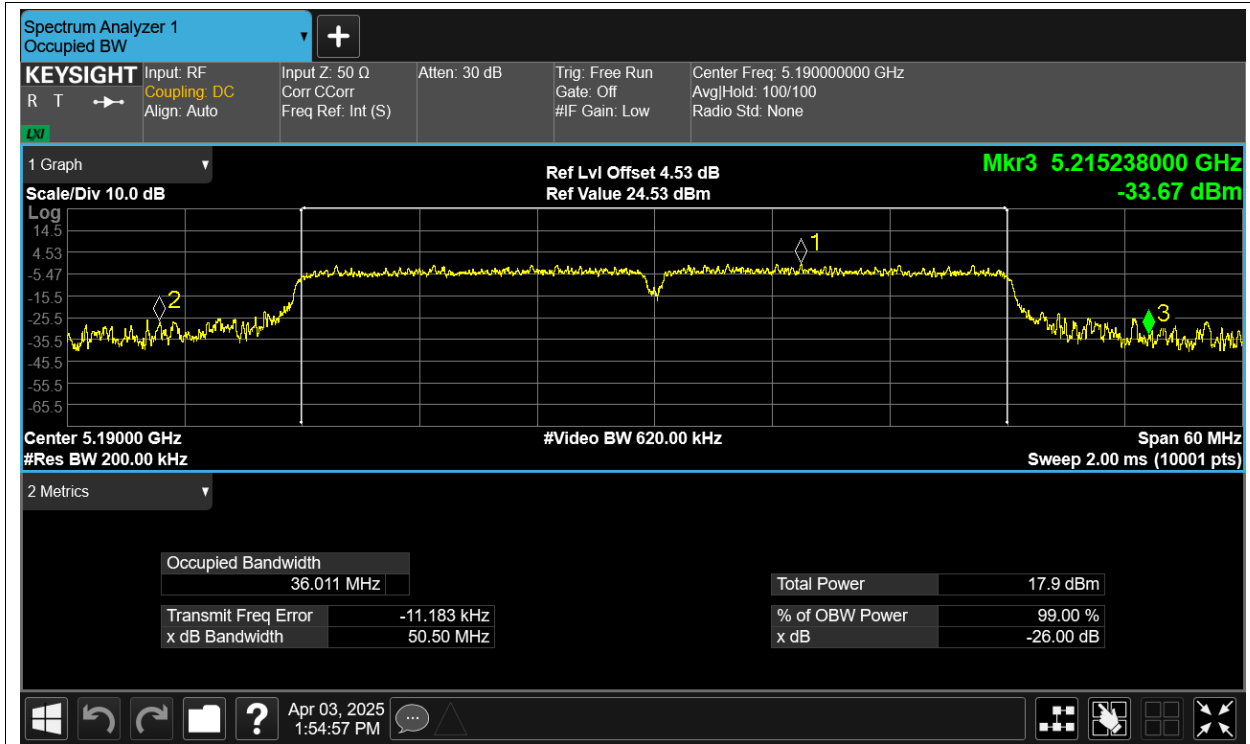
-26dB Bandwidth NVNT n20 5200MHz Ant1



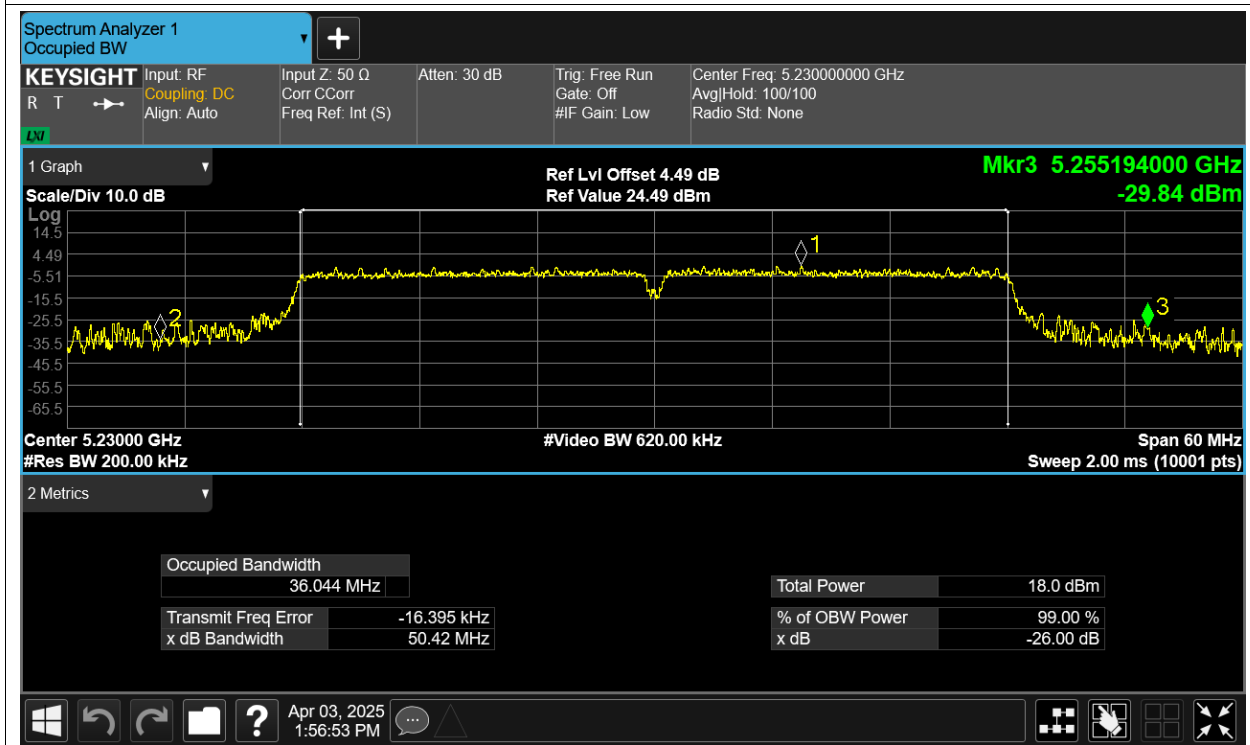
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

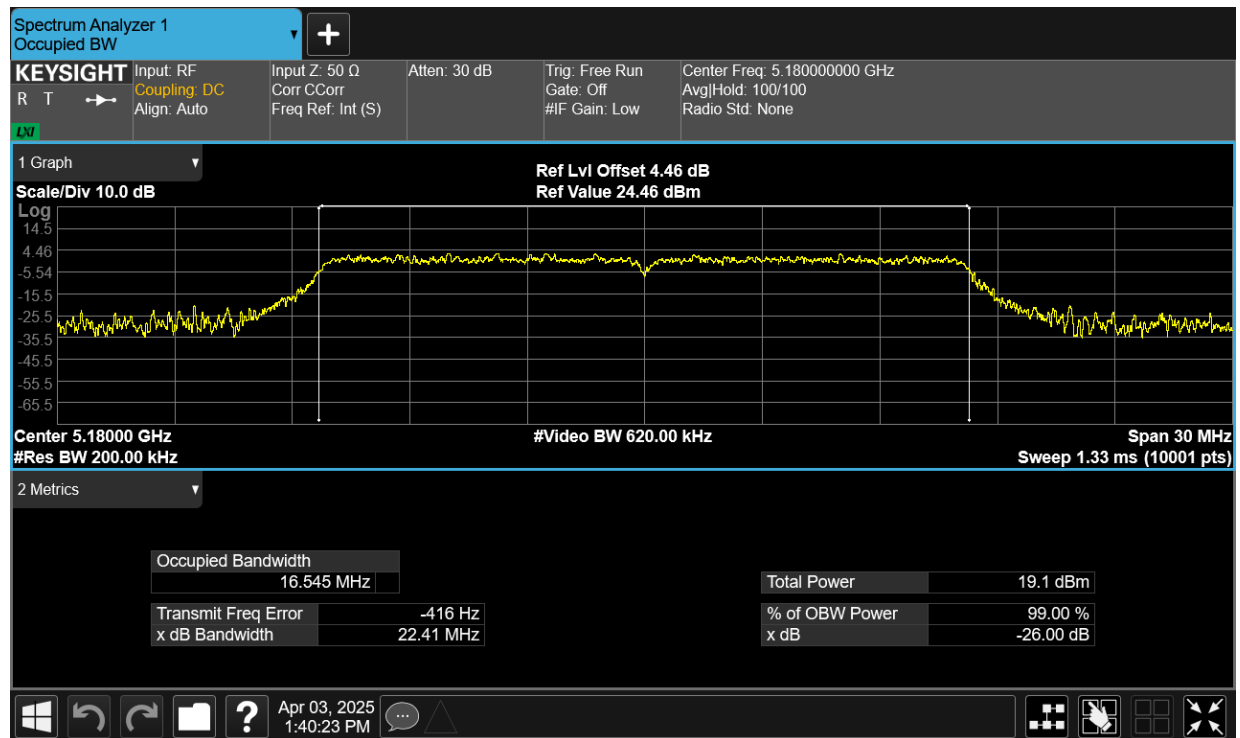


Occupied Channel Bandwidth

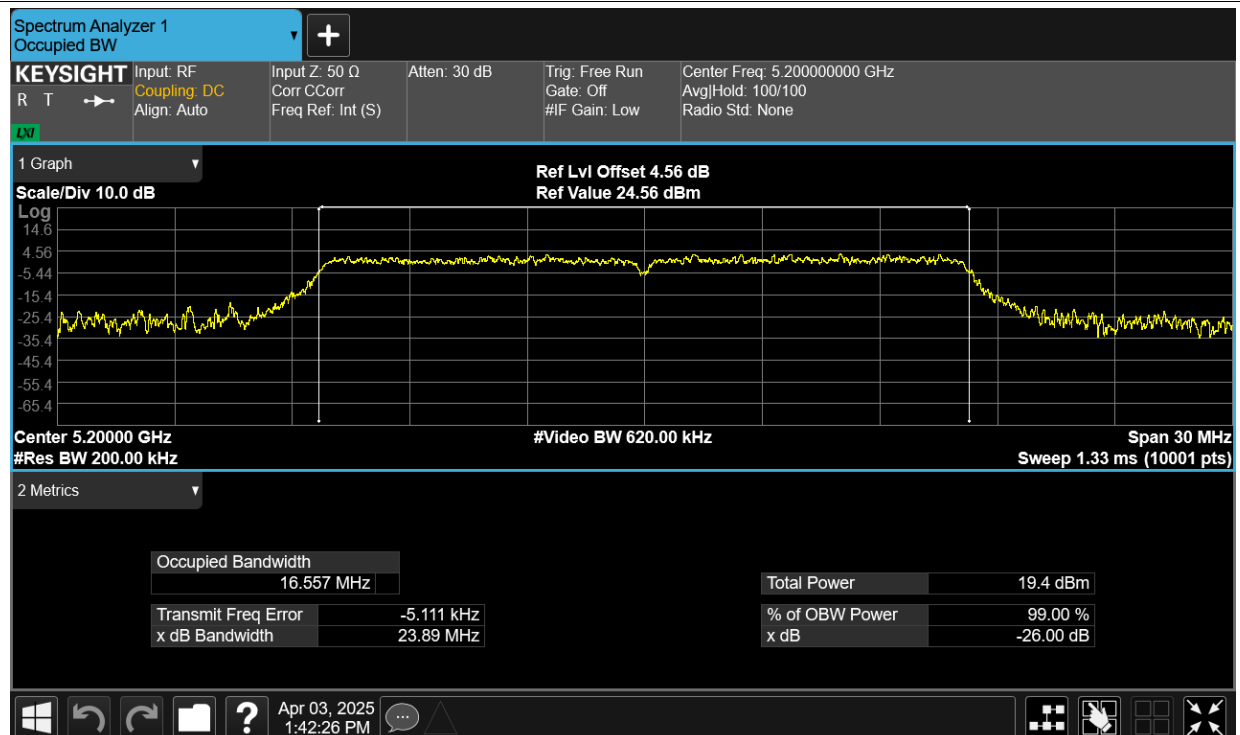
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.545
NVNT	a	5200	Ant1	16.557
NVNT	a	5240	Ant1	16.575
NVNT	ac20	5180	Ant1	17.647
NVNT	ac20	5200	Ant1	17.634
NVNT	ac20	5240	Ant1	17.616
NVNT	ac40	5190	Ant1	36.328
NVNT	ac40	5230	Ant1	36.389
NVNT	ac80	5210	Ant1	75.517
NVNT	n20	5180	Ant1	17.644
NVNT	n20	5200	Ant1	17.649
NVNT	n20	5240	Ant1	17.655
NVNT	n40	5190	Ant1	36.146
NVNT	n40	5230	Ant1	36.095

Test Graphs

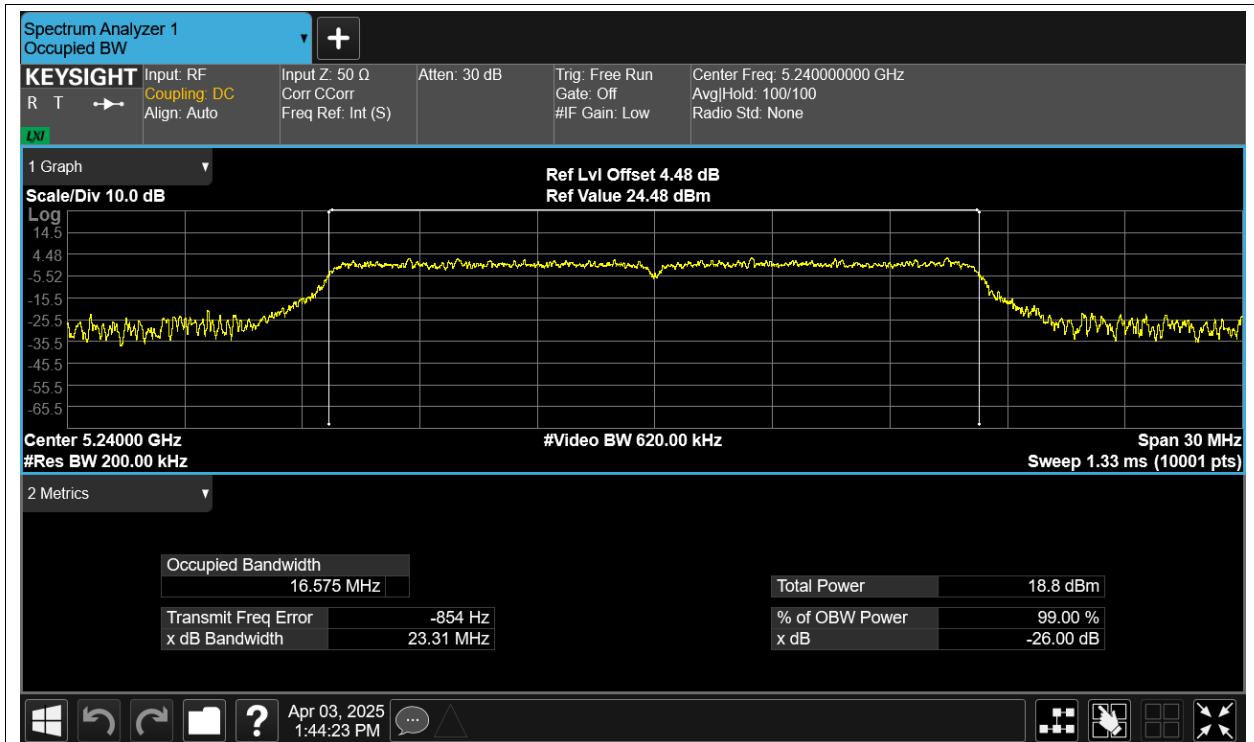
OBW NVNT a 5180MHz Ant1



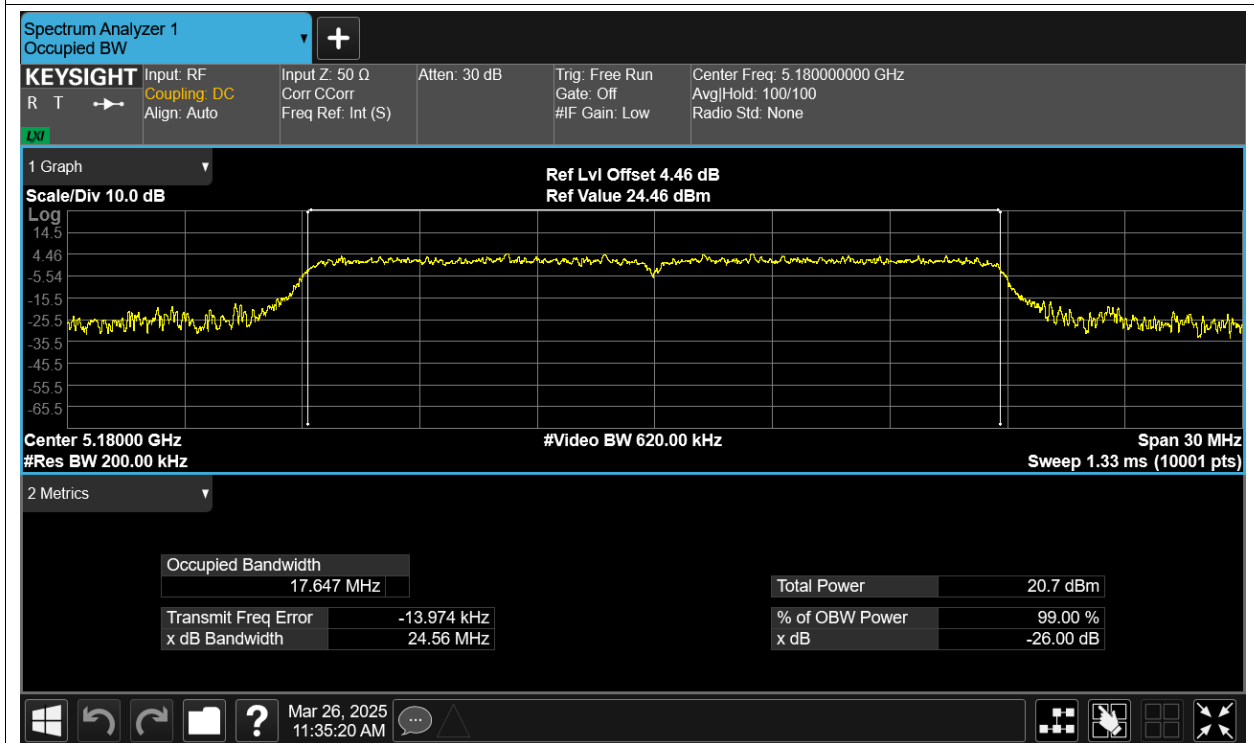
OBW NVNT a 5200MHz Ant1



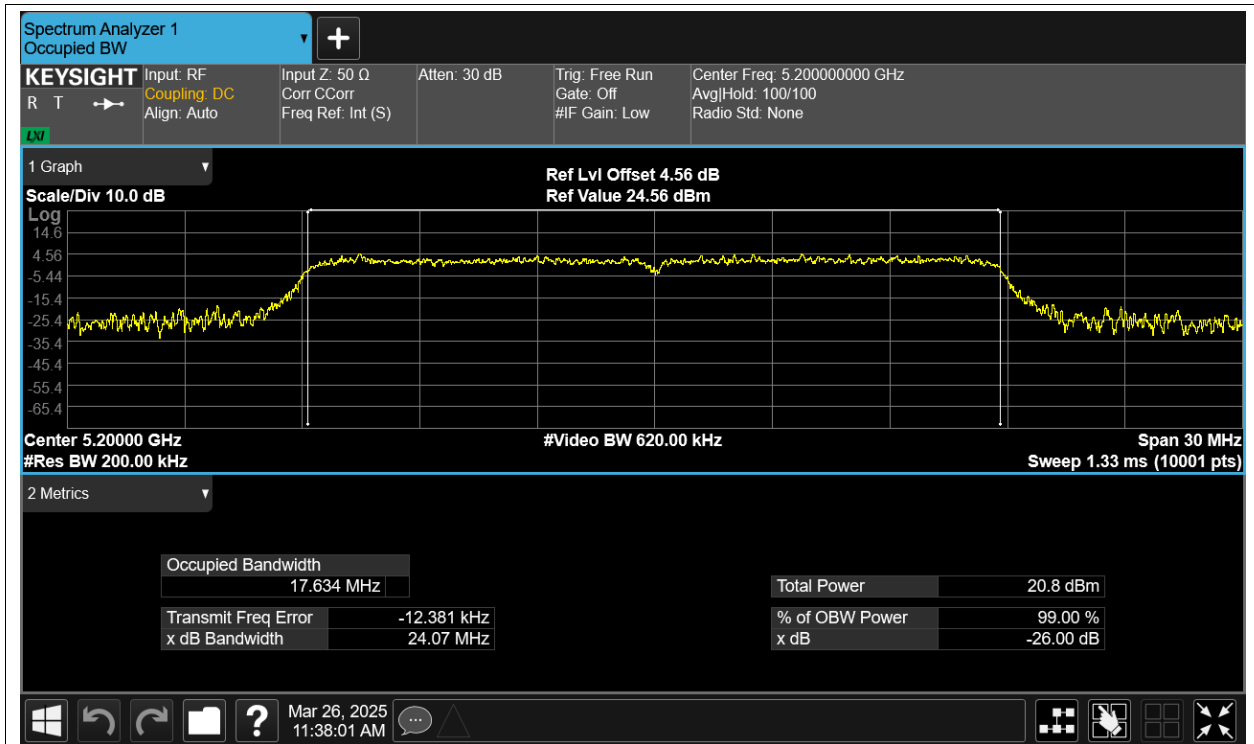
OBW NVNT a 5240MHz Ant1



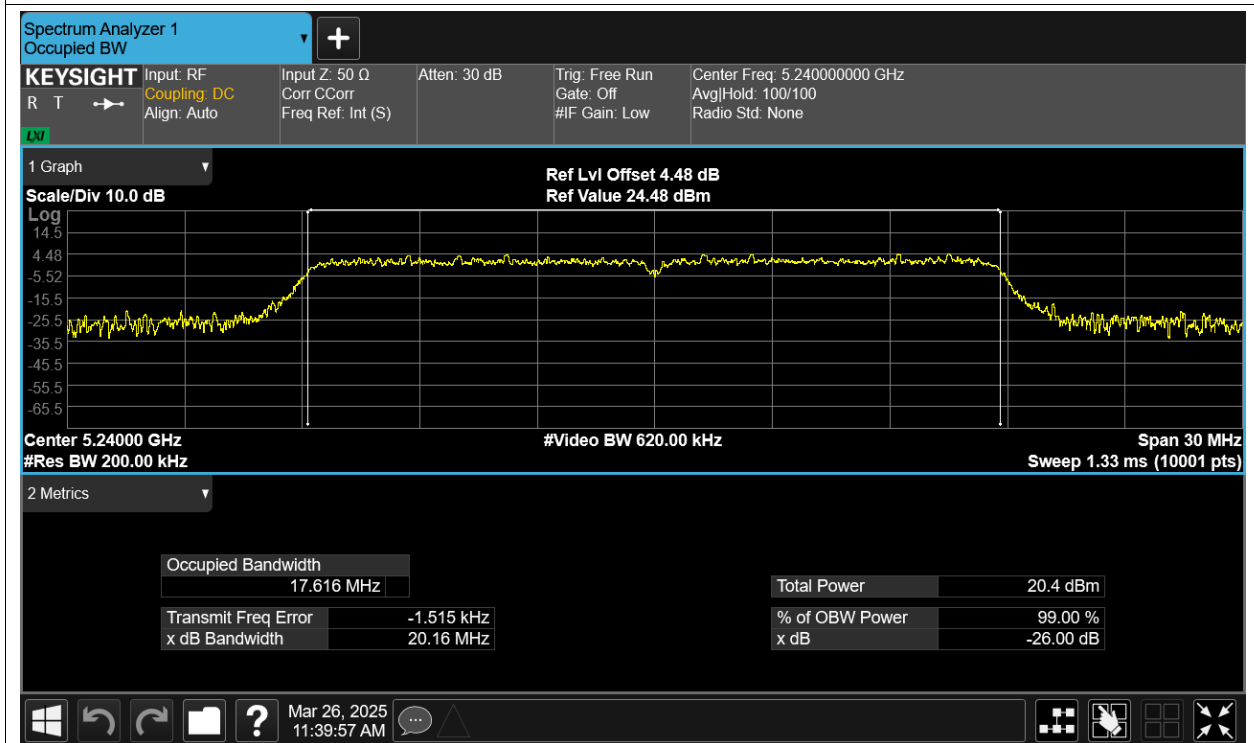
OBW NVNT ac20 5180MHz Ant1



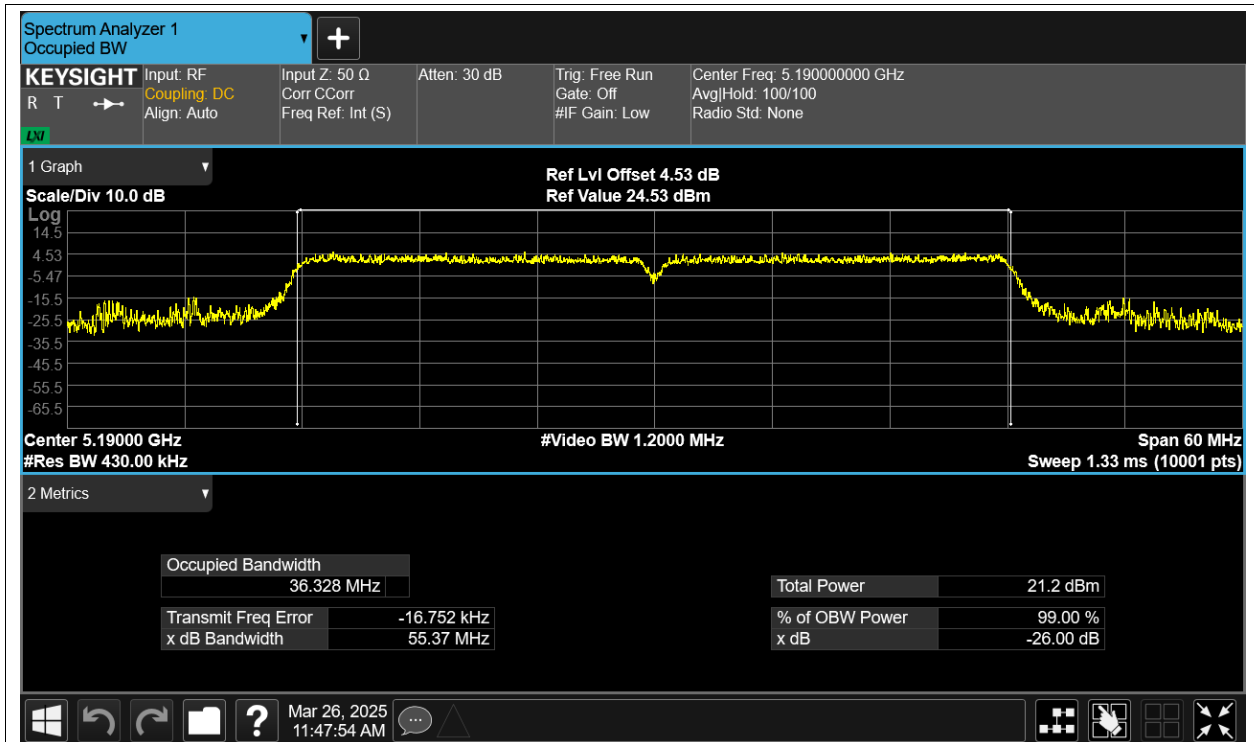
OBW NVNT ac20 5200MHz Ant1



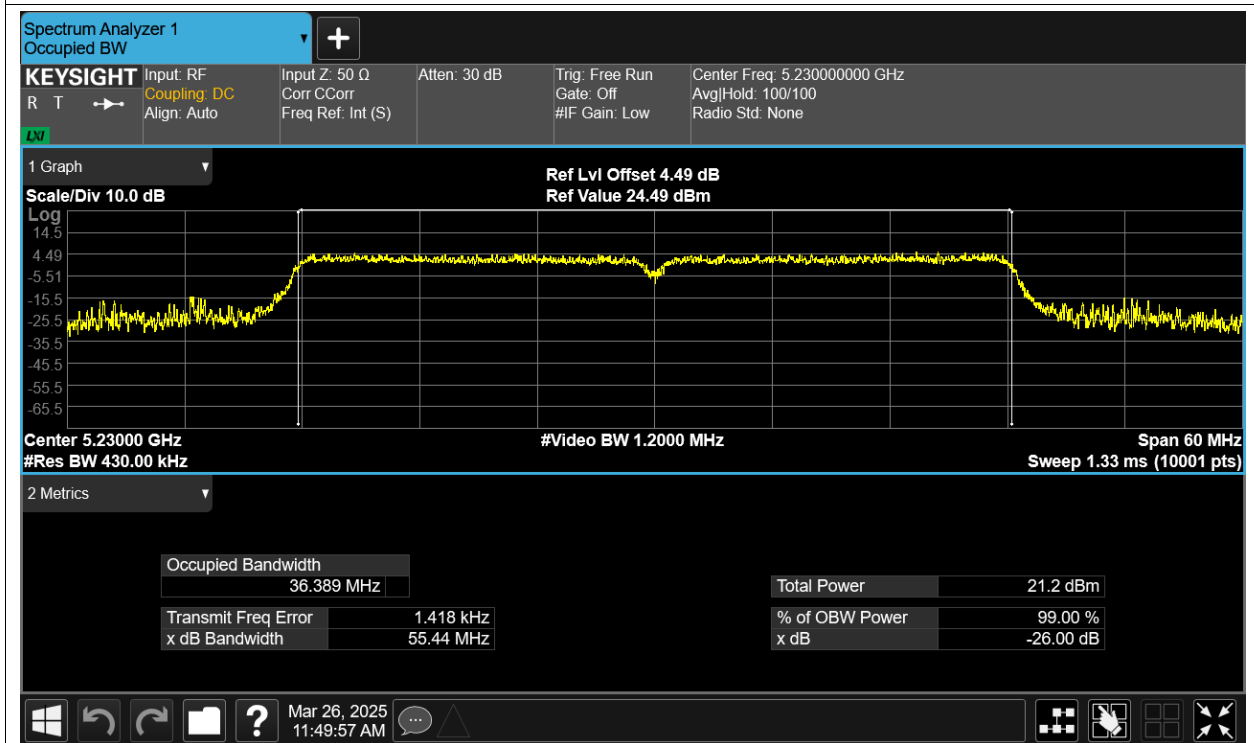
OBW NVNT ac20 5240MHz Ant1



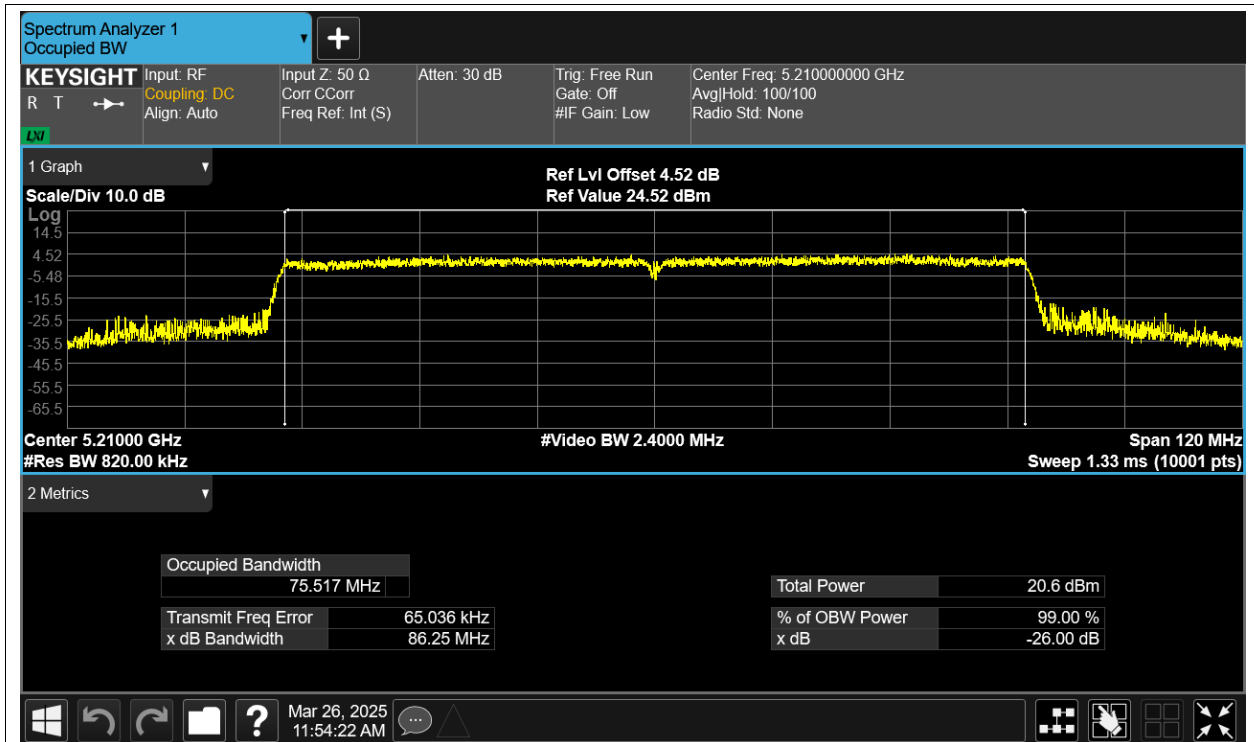
OBW NVNT ac40 5190MHz Ant1



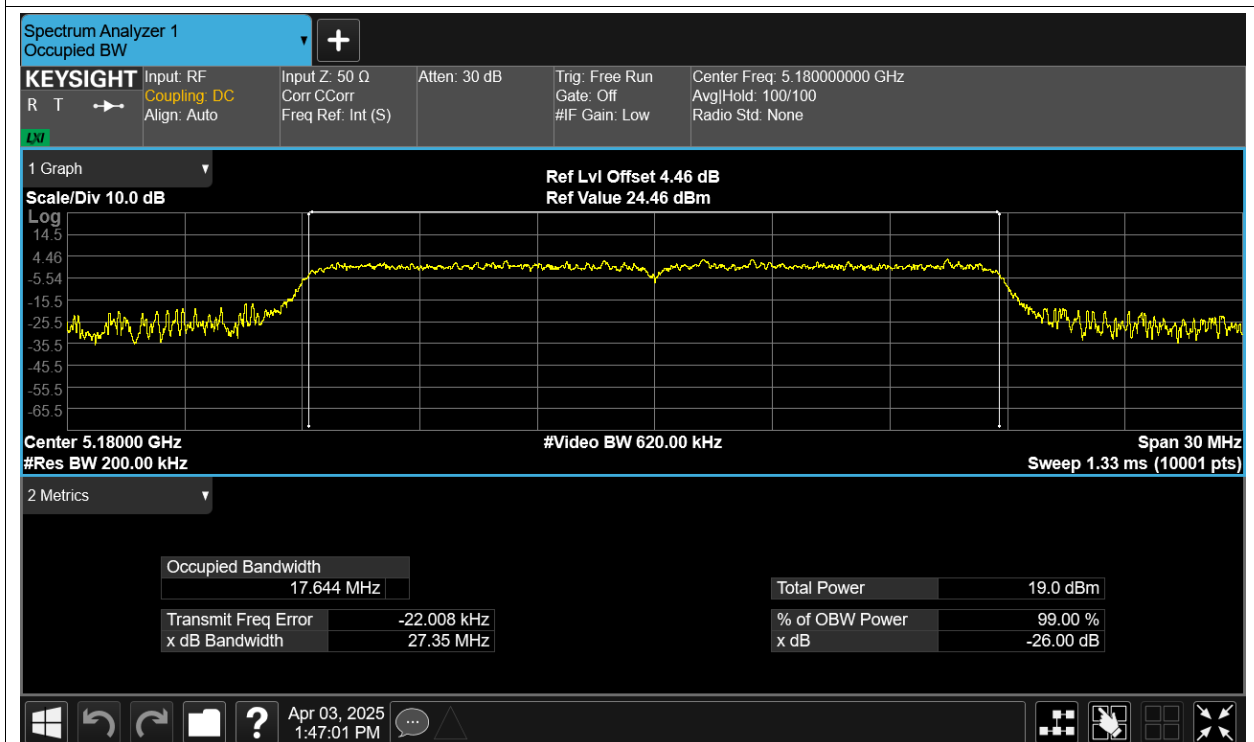
OBW NVNT ac40 5230MHz Ant1



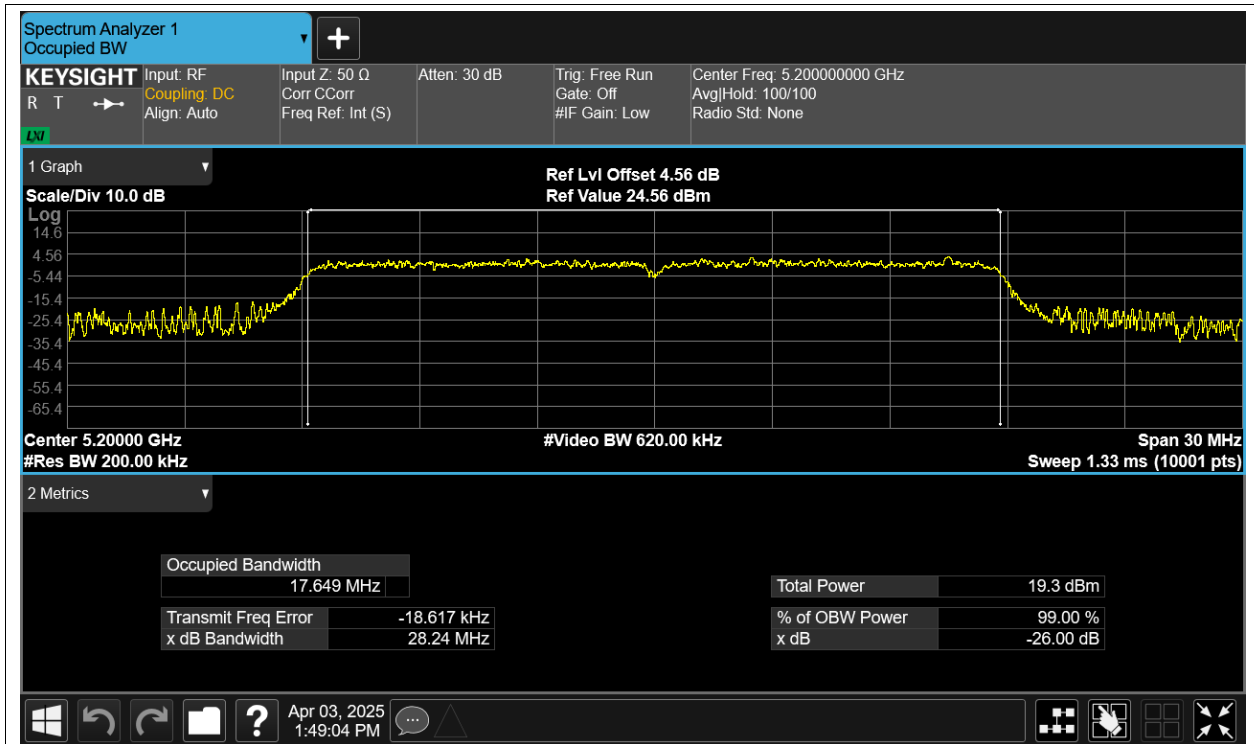
OBW NVNT ac80 5210MHz Ant1



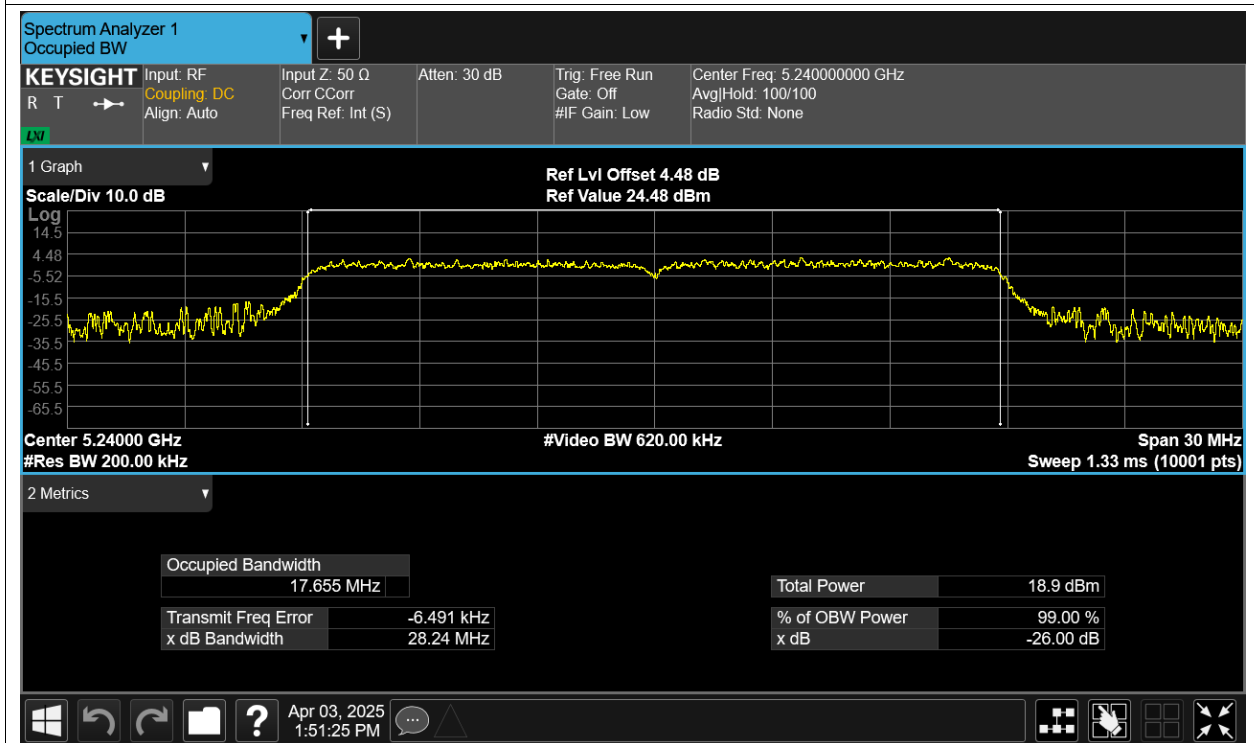
OBW NVNT n20 5180MHz Ant1



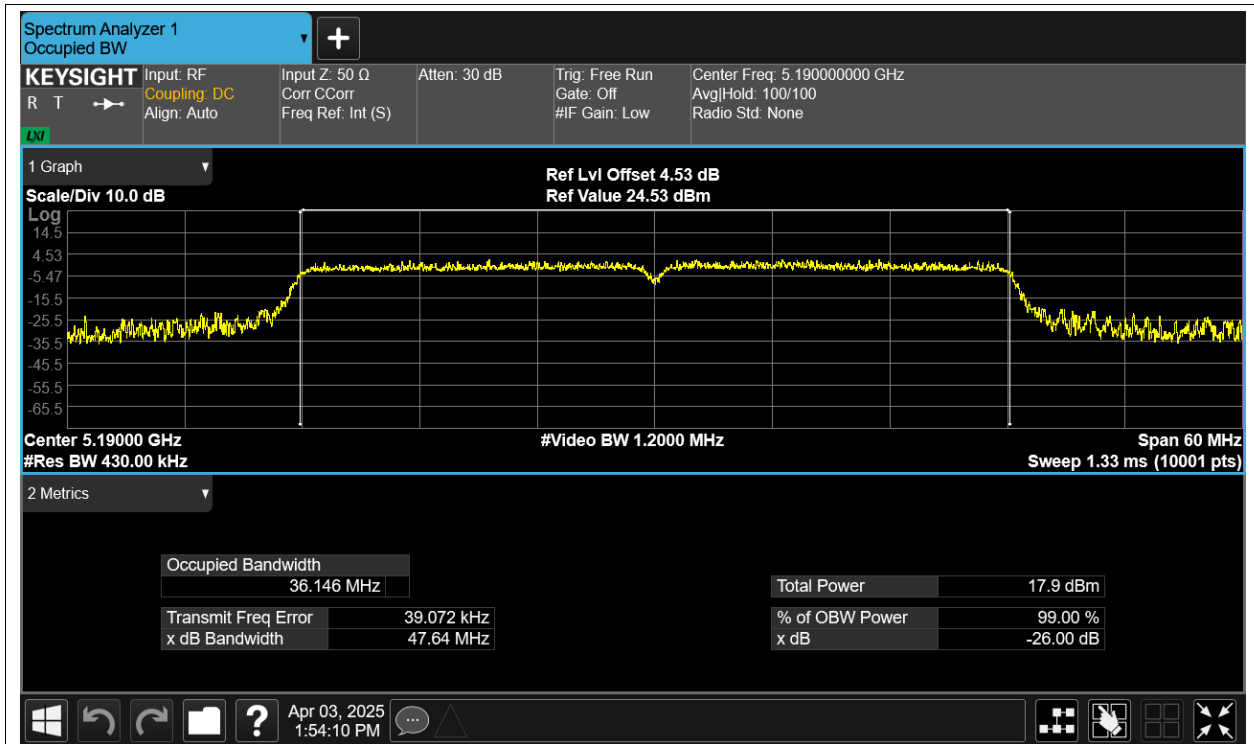
OBW NVNT n20 5200MHz Ant1



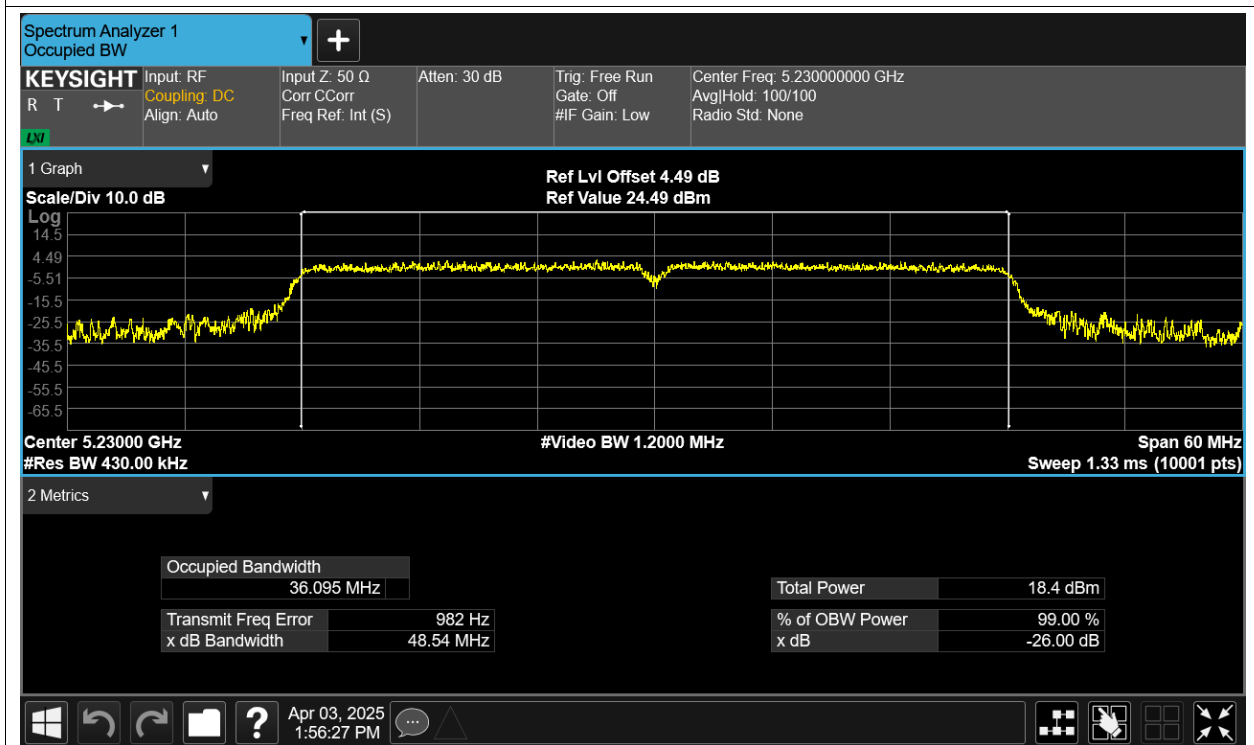
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

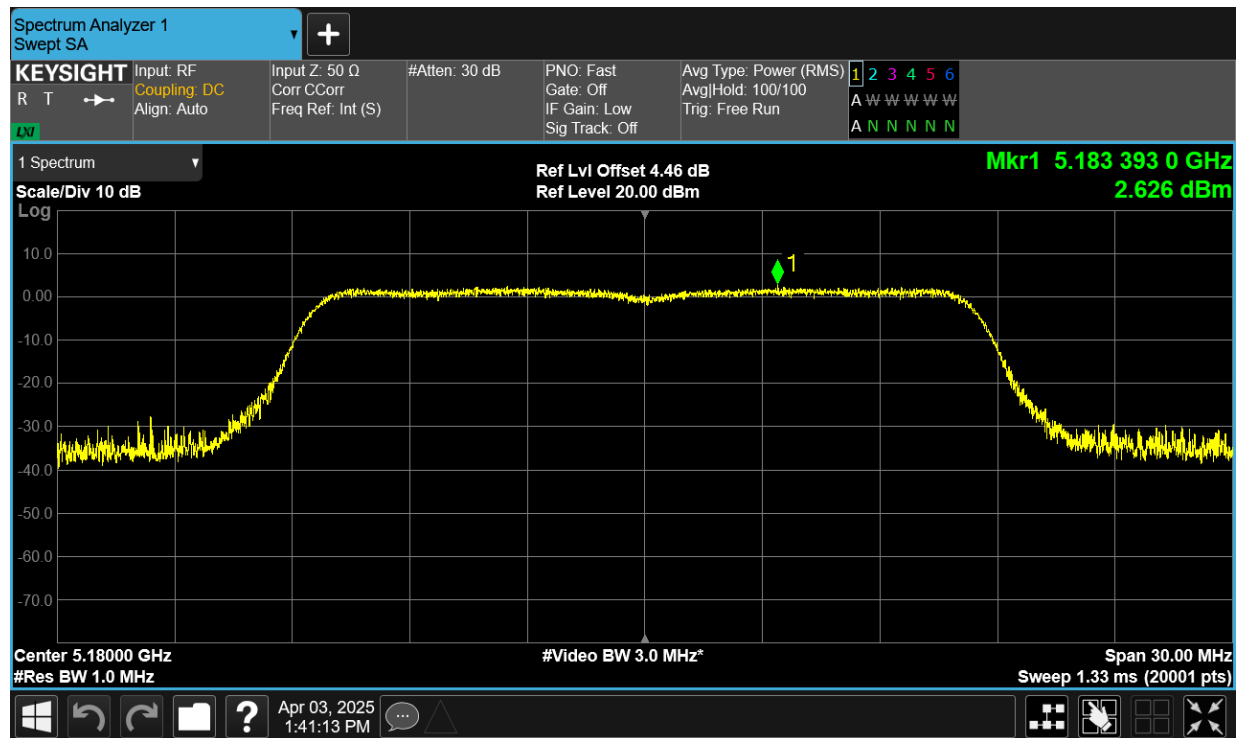


Maximum Power Spectral Density Level

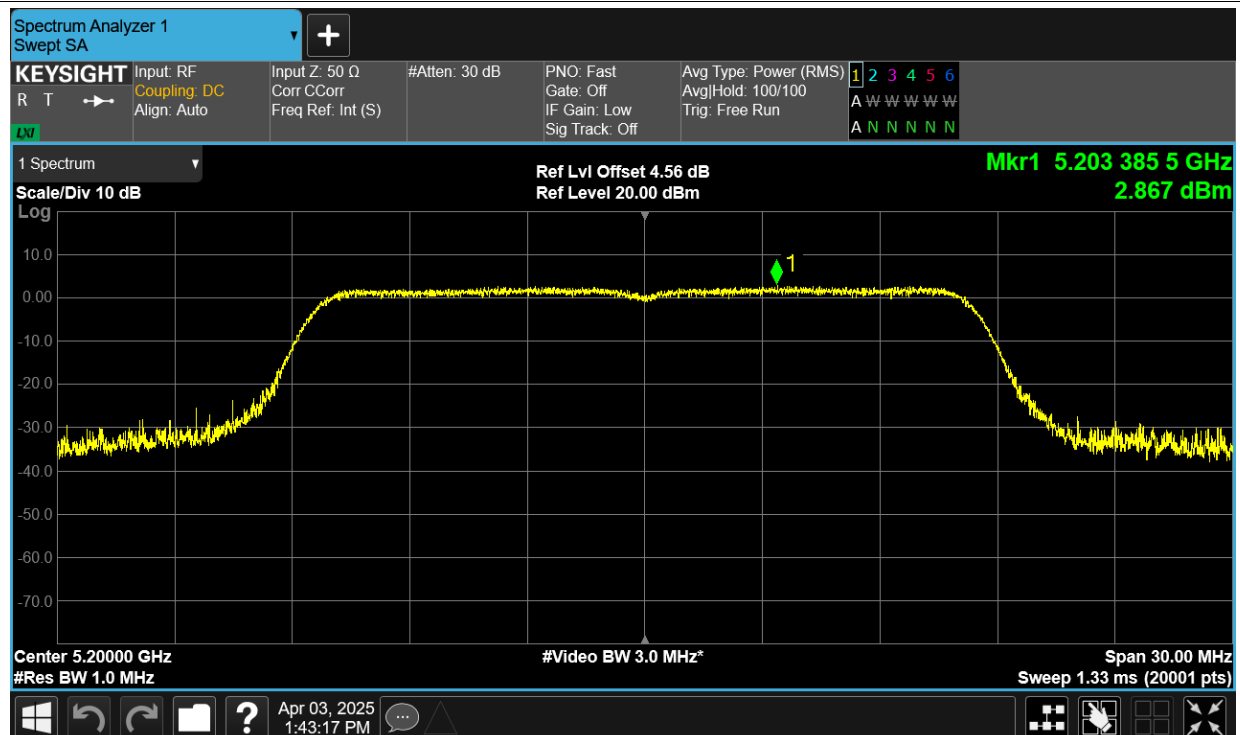
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	2.626	0.48	3.106	11	Pass
NVNT	a	5200	Ant1	2.867	0.49	3.357	11	Pass
NVNT	a	5240	Ant1	2.529	0.45	2.979	11	Pass
NVNT	ac20	5180	Ant1	3.963	0.52	4.483	11	Pass
NVNT	ac20	5200	Ant1	4.313	0.51	4.823	11	Pass
NVNT	ac20	5240	Ant1	3.649	0.55	4.199	11	Pass
NVNT	ac40	5190	Ant1	1.21	1.05	2.26	11	Pass
NVNT	ac40	5230	Ant1	1.051	0.97	2.021	11	Pass
NVNT	ac80	5210	Ant1	-4.152	1.72	-2.432	11	Pass
NVNT	n20	5180	Ant1	2.24	0.58	2.82	11	Pass
NVNT	n20	5200	Ant1	2.844	0.52	3.364	11	Pass
NVNT	n20	5240	Ant1	2.38	0.52	2.9	11	Pass
NVNT	n40	5190	Ant1	-1.715	0.99	-0.725	11	Pass
NVNT	n40	5230	Ant1	-1.481	0.98	-0.501	11	Pass

Test Graphs

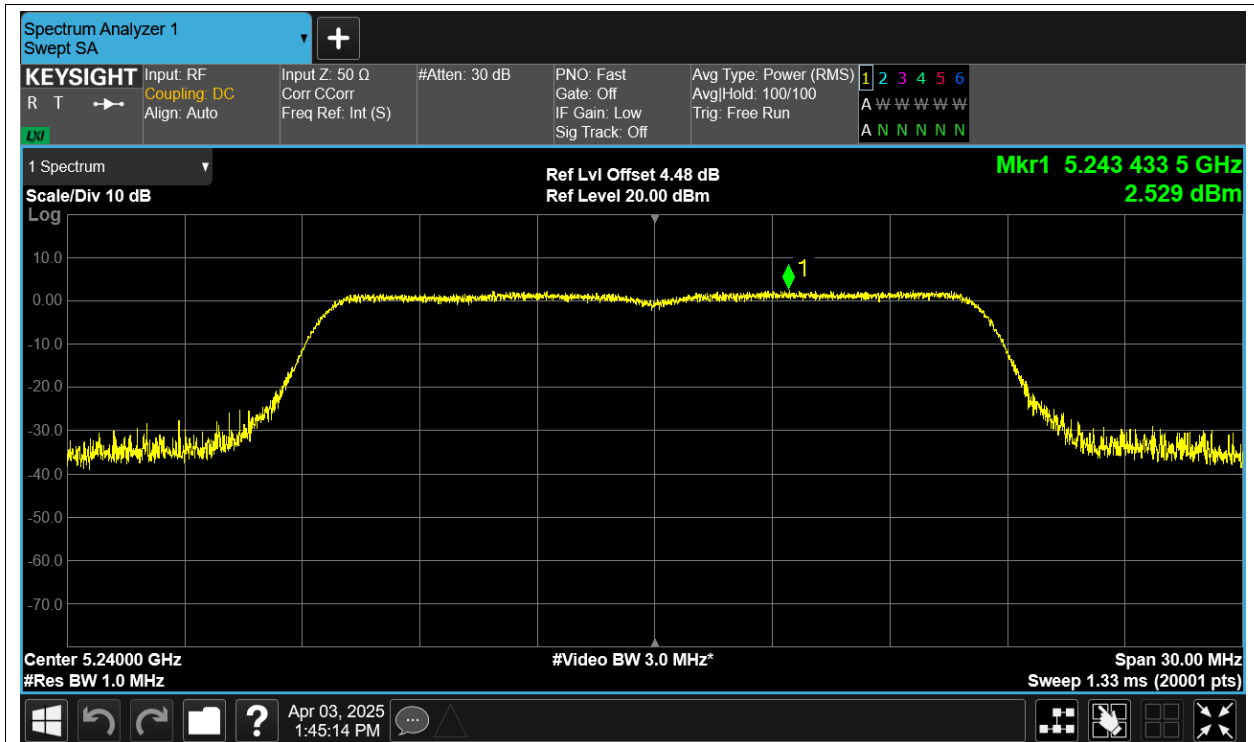
PSD NVNT a 5180MHz Ant1



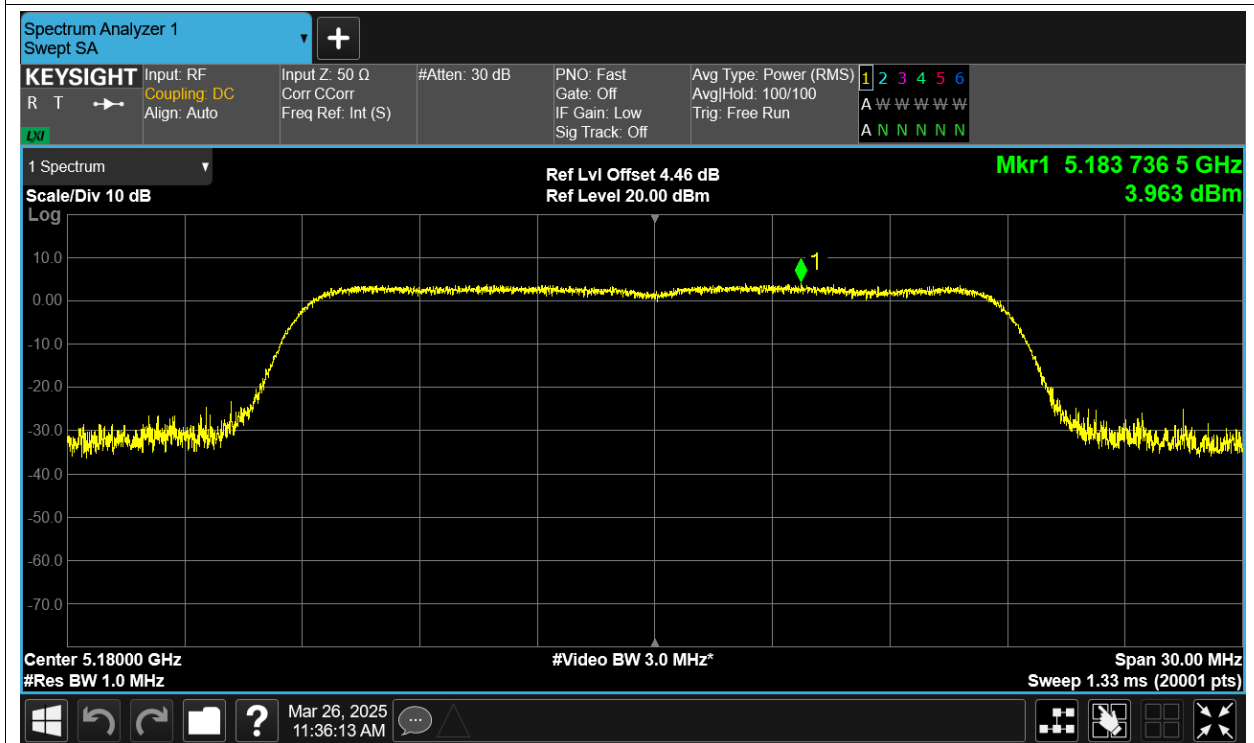
PSD NVNT a 5200MHz Ant1



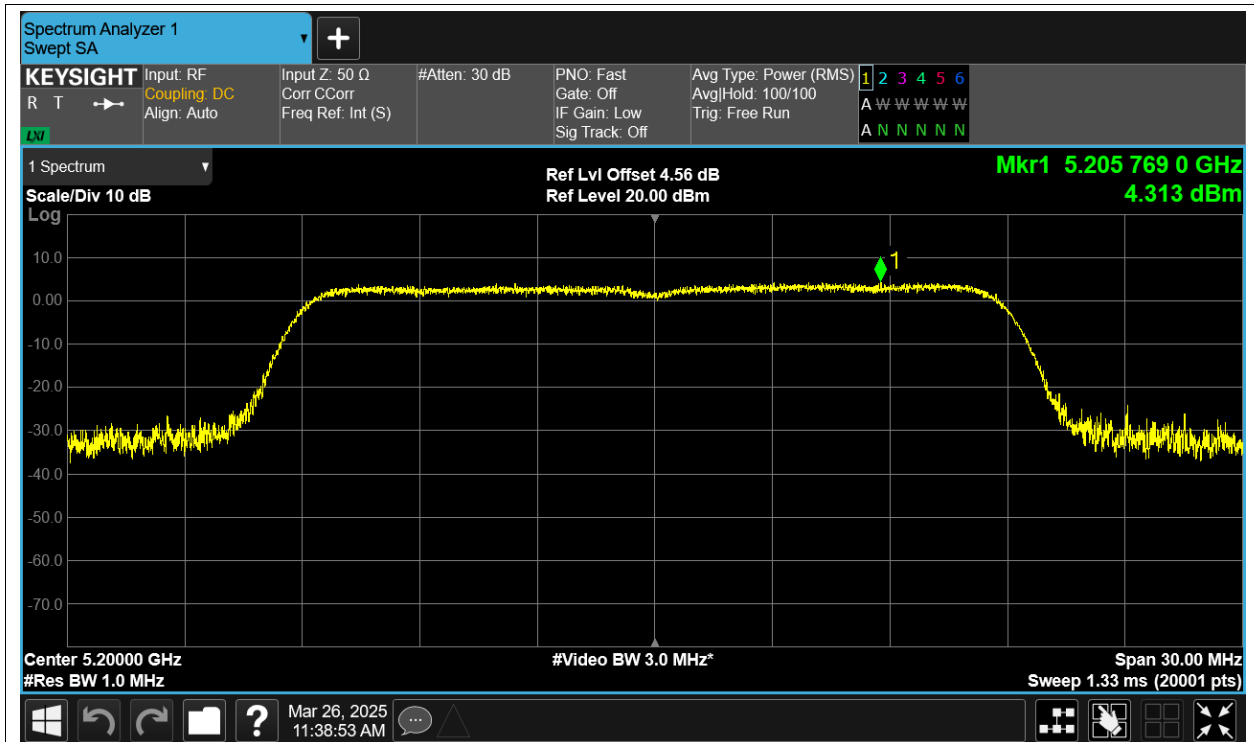
PSD NVNT a 5240MHz Ant1



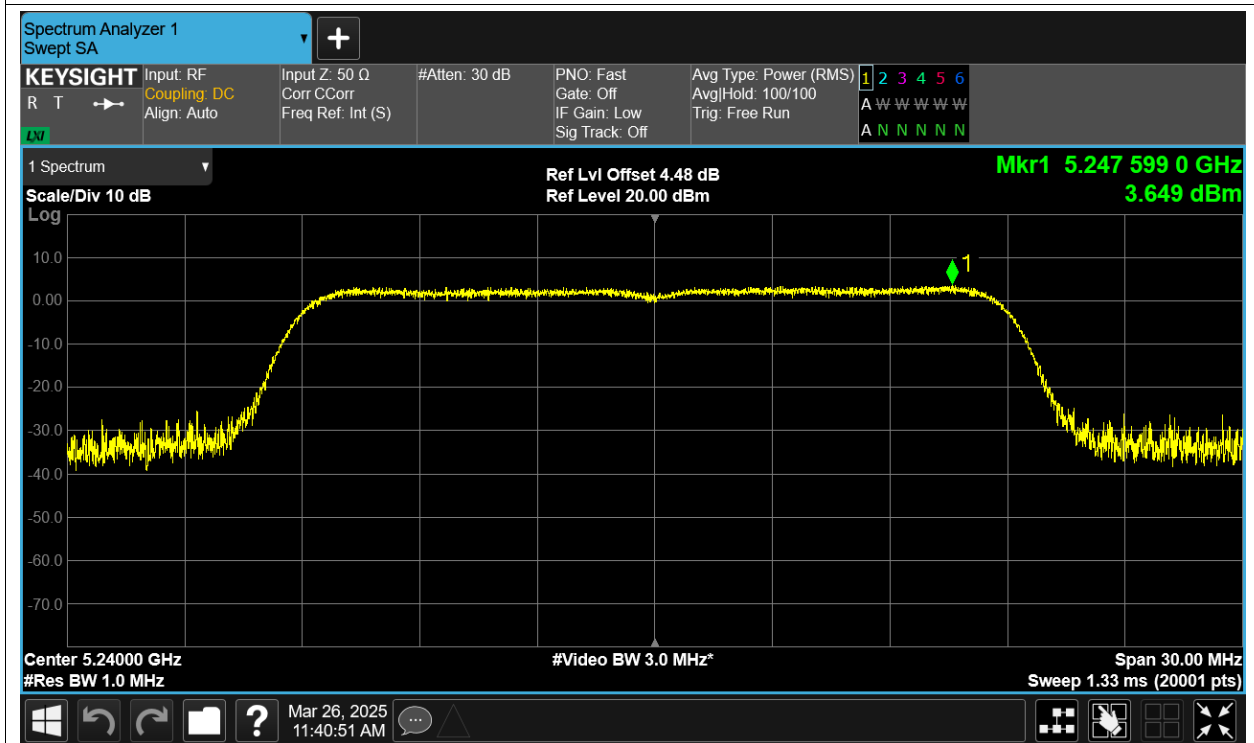
PSD NVNT ac20 5180MHz Ant1



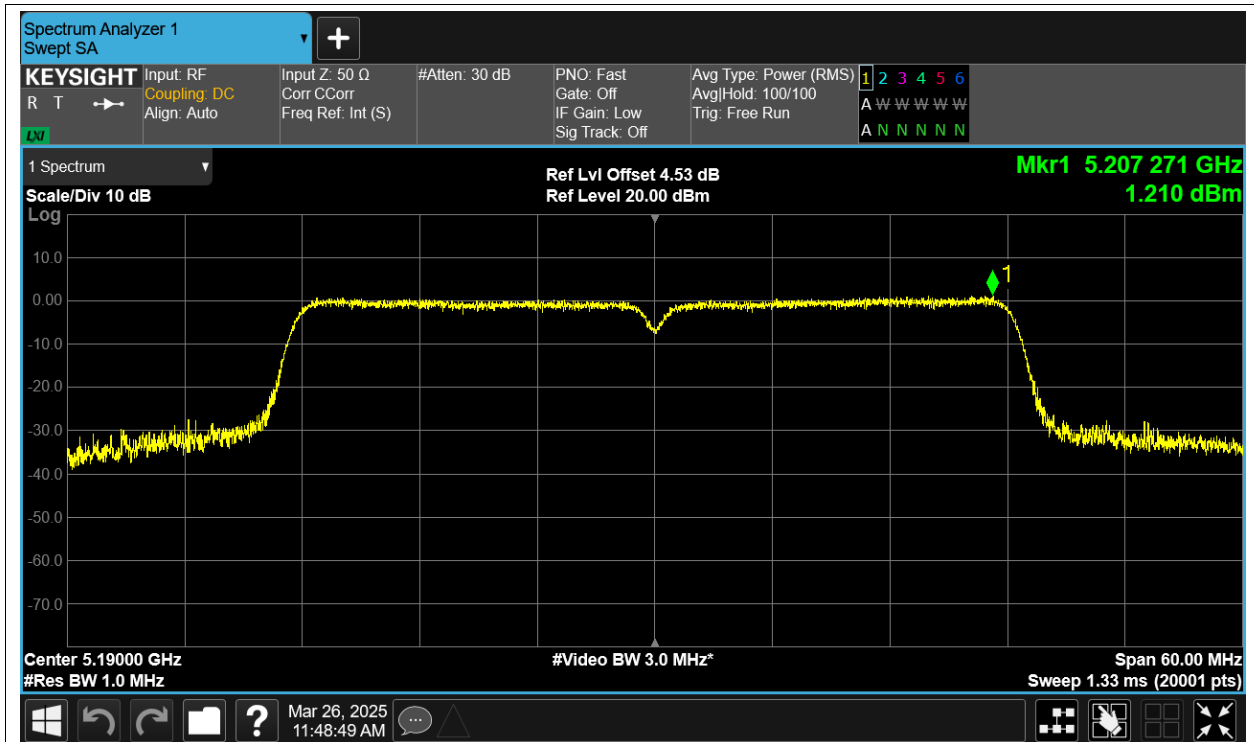
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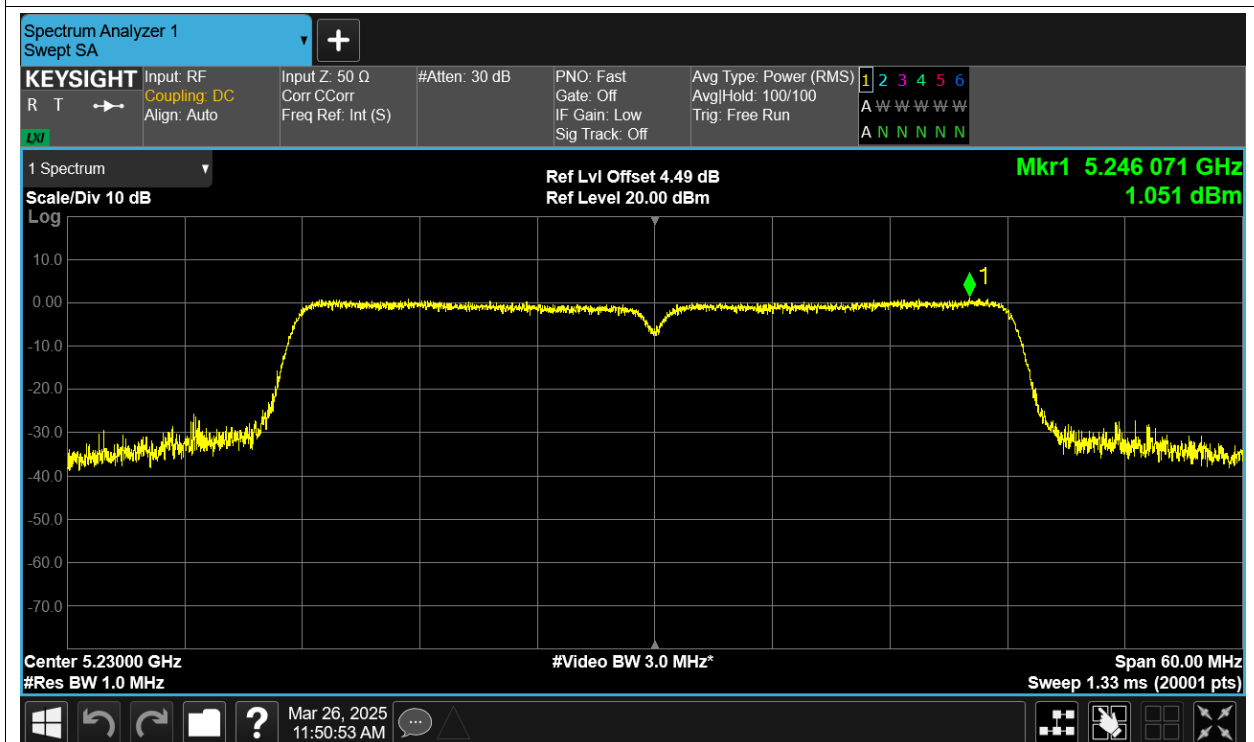
PSD NVNT ac20 5240MHz Ant1



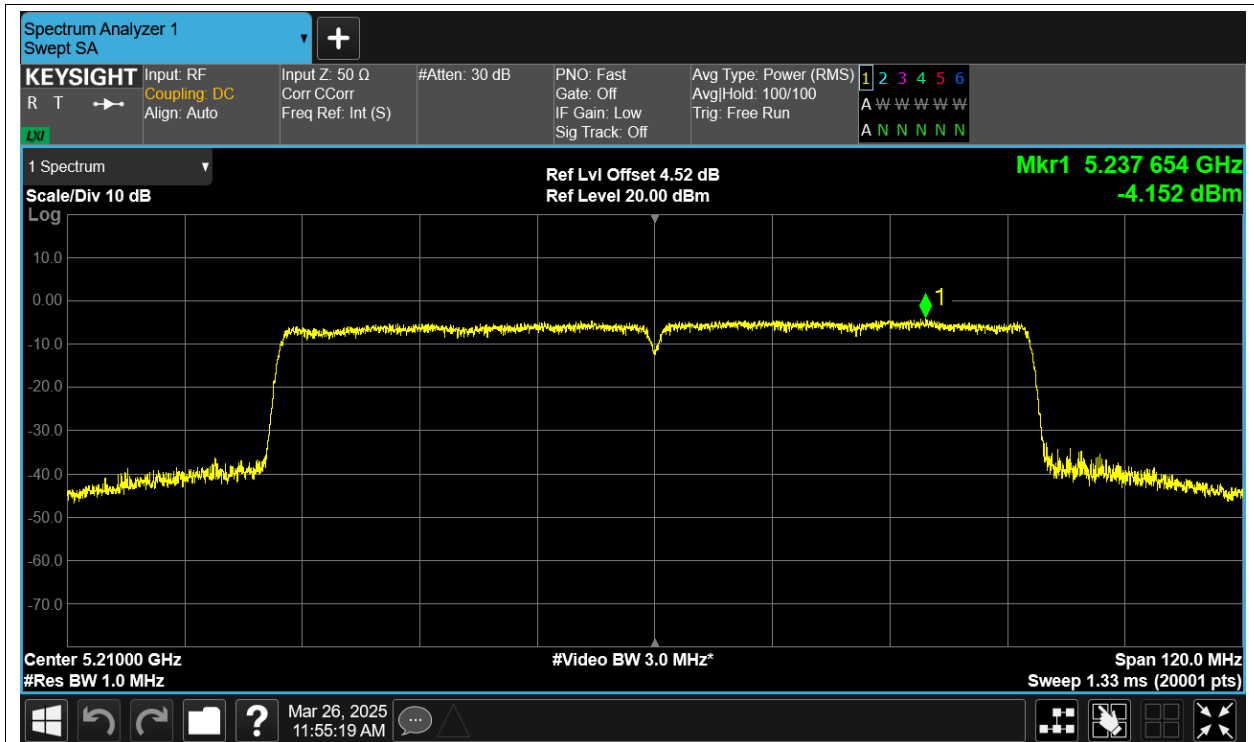
PSD NVNT ac40 5190MHz Ant1



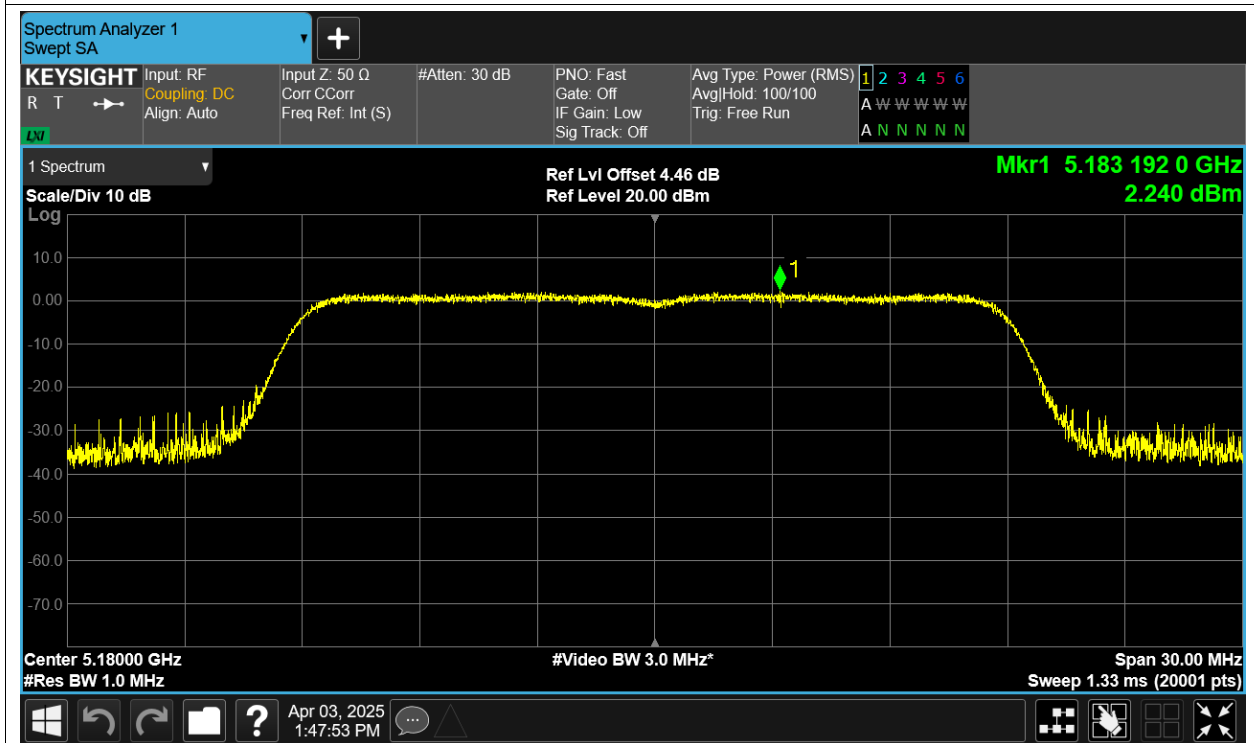
PSD NVNT ac40 5230MHz Ant1



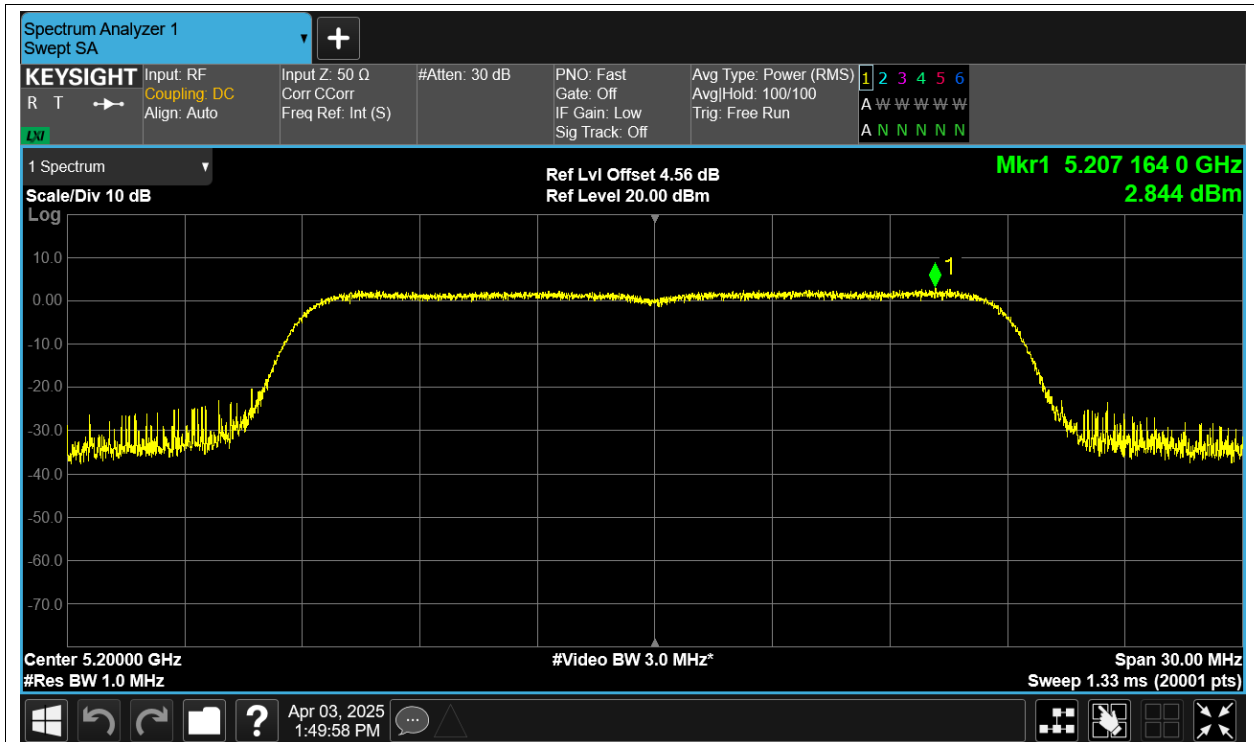
PSD NVNT ac80 5210MHz Ant1



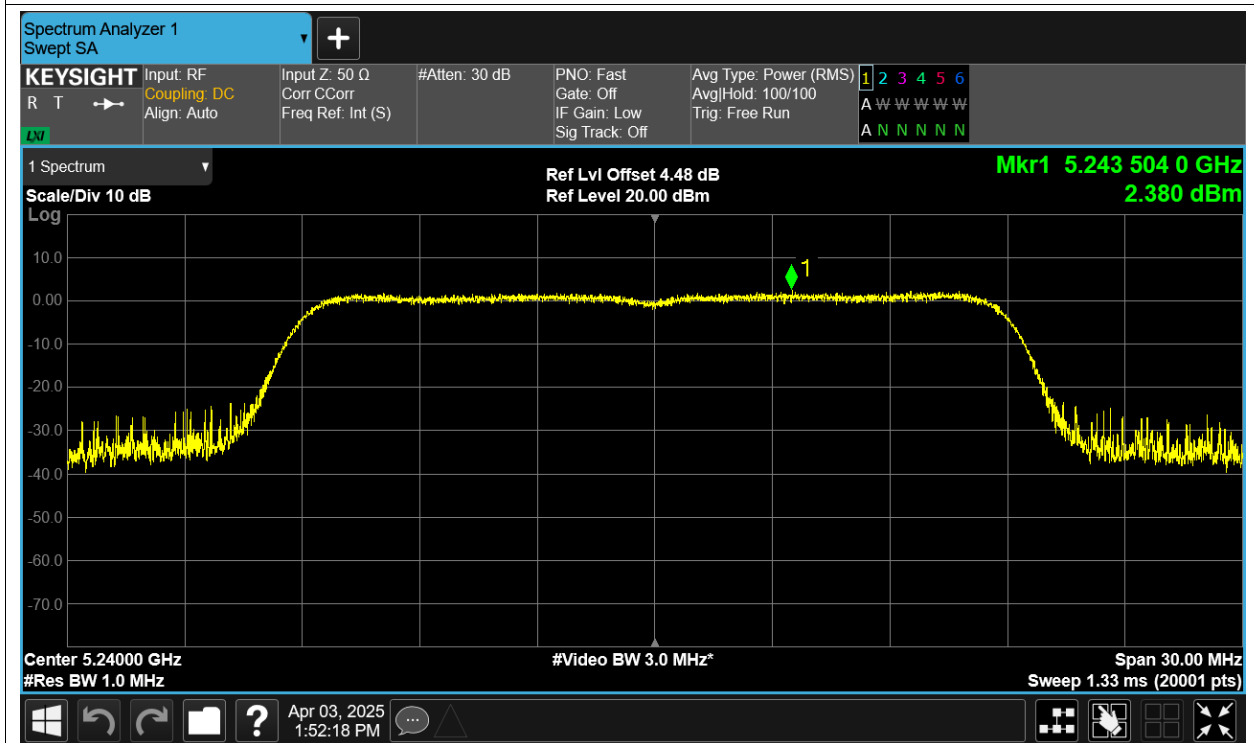
PSD NVNT n20 5180MHz Ant1



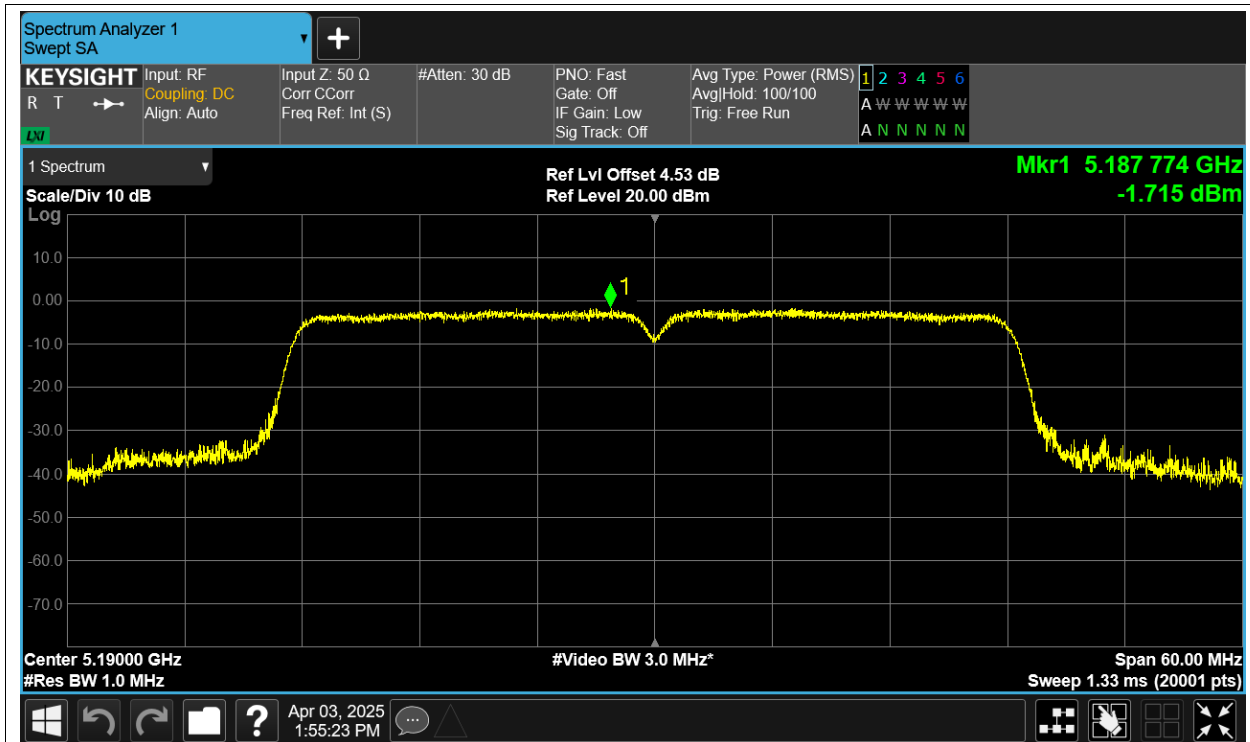
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

