

Test Data

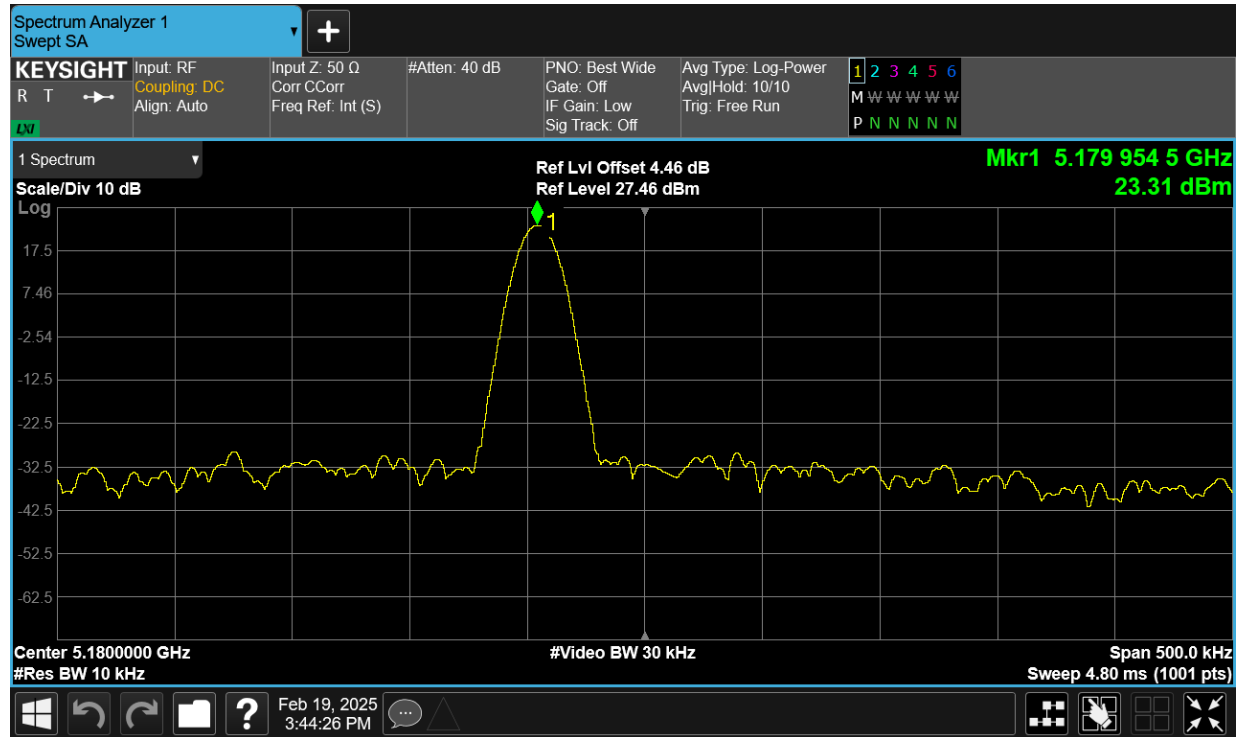
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.9545	-8.78	25	Pass
LVNT	a	5180	Ant1	5179.954	-8.88	25	Pass
NVHT	a	5180	Ant1	5179.9535	-8.98	25	Pass
NVLT	a	5180	Ant1	5179.9535	-8.98	25	Pass
NVNT	a	5180	Ant1	5179.9535	-8.98	25	Pass
HVNT	ac80	5210	Ant1	5209.956	-8.45	25	Pass
LVNT	ac80	5210	Ant1	5209.956	-8.45	25	Pass
NVHT	ac80	5210	Ant1	5209.9555	-8.54	25	Pass
NVLT	ac80	5210	Ant1	5209.955	-8.64	25	Pass
NVNT	ac80	5210	Ant1	5209.953888335	-8.85	25	Pass
HVNT	n40	5190	Ant1	5189.9555	-8.57	25	Pass
LVNT	n40	5190	Ant1	5189.955	-8.67	25	Pass
NVHT	n40	5190	Ant1	5189.9545	-8.77	25	Pass
NVLT	n40	5190	Ant1	5189.954	-8.86	25	Pass
NVNT	n40	5190	Ant1	5189.9535	-8.96	25	Pass

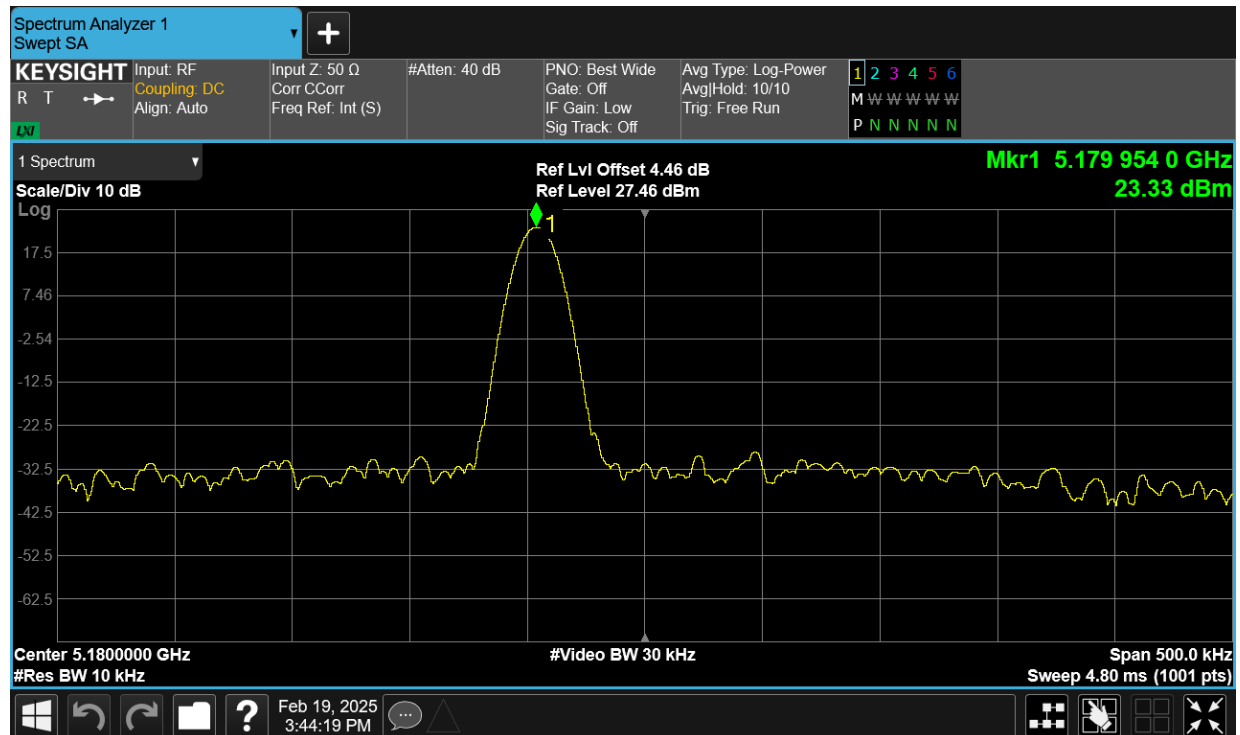
Note: Pre scan all modulation mode, it was found that a, n40, and ac80 are the worst-case under the same bandwidth and only the worst modes were reflected in the report.

Test Graphs

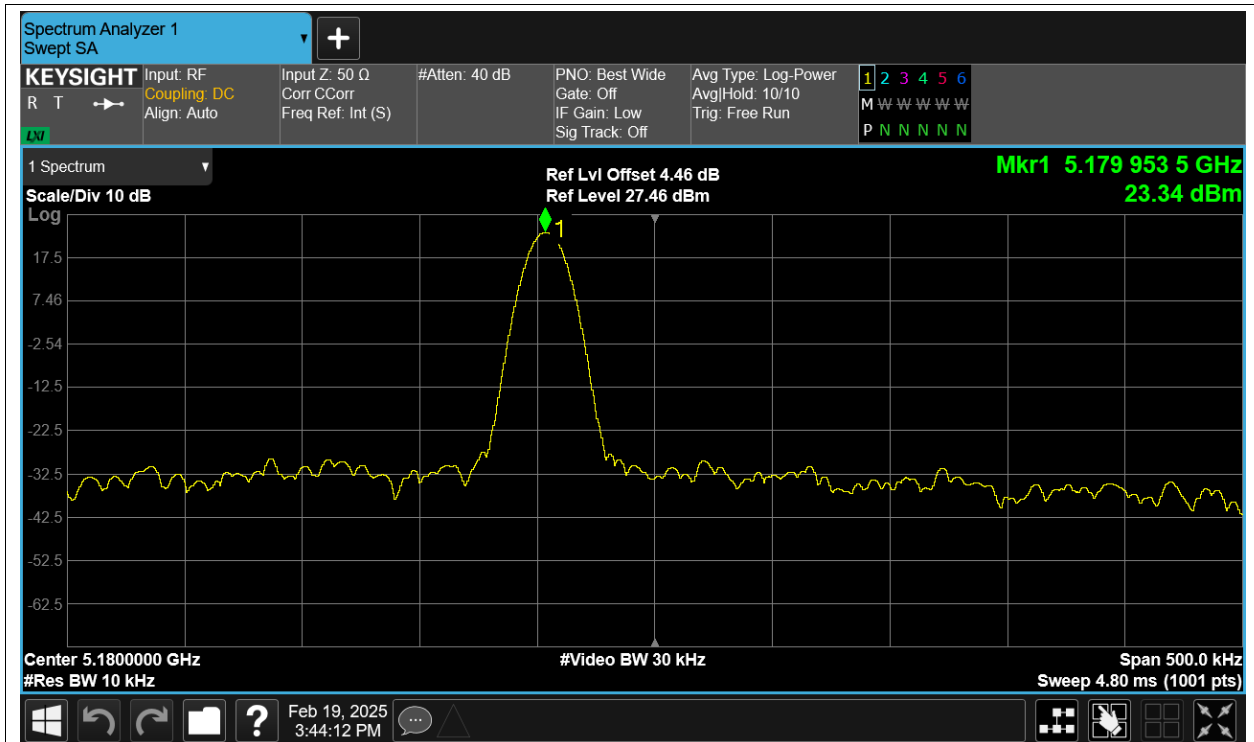
Freq. Stability HVNT a 5180MHz Ant1



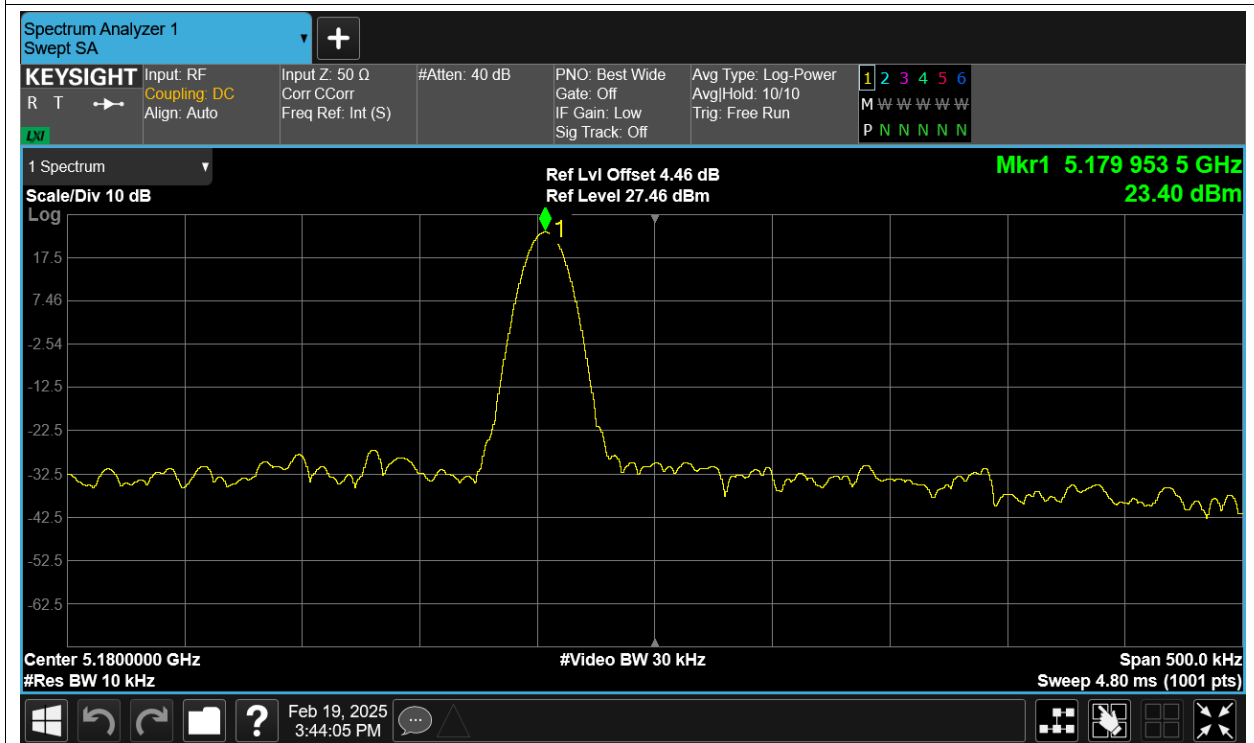
Freq. Stability LVNT a 5180MHz Ant1



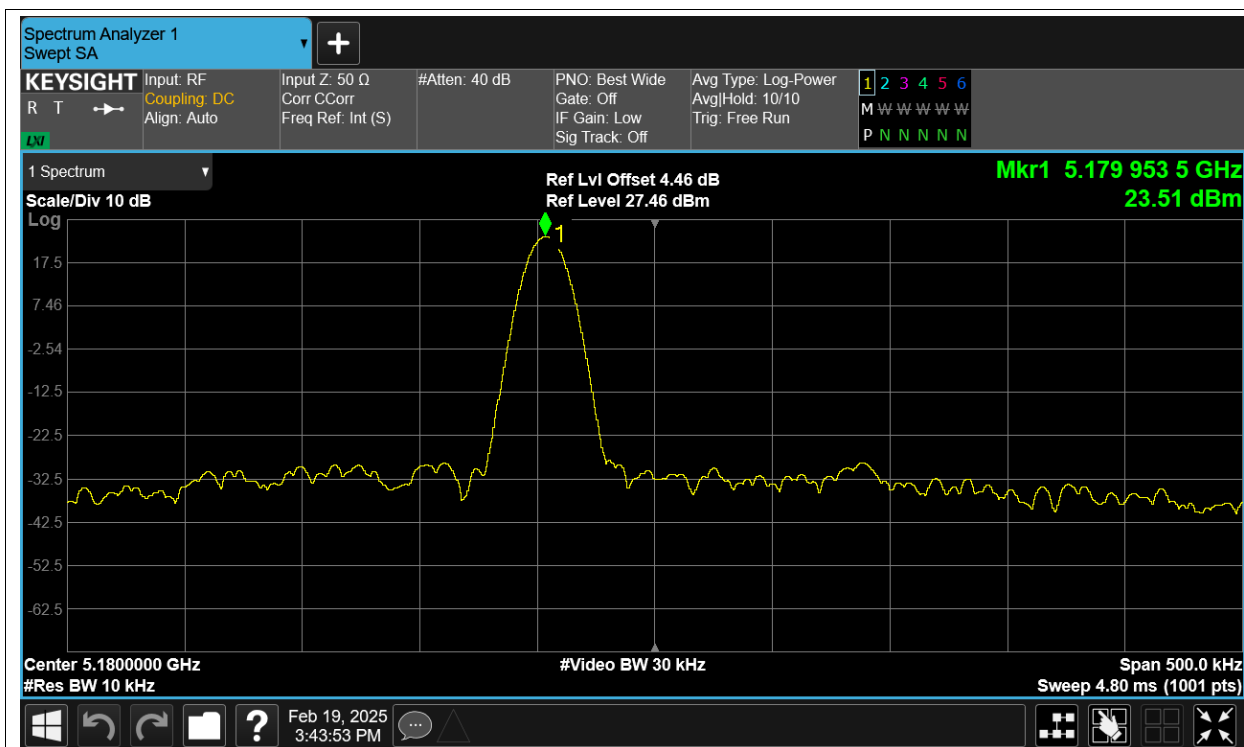
Freq. Stability NVHT a 5180MHz Ant1



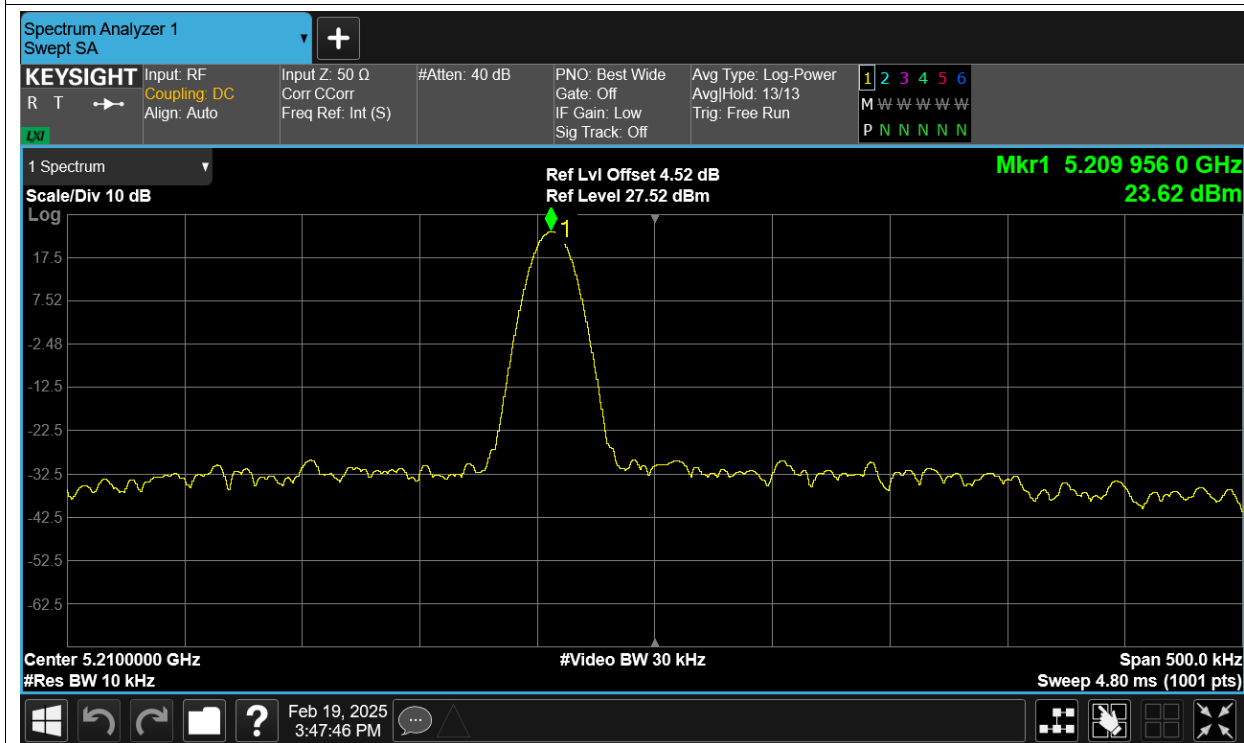
Freq. Stability NVLT a 5180MHz Ant1



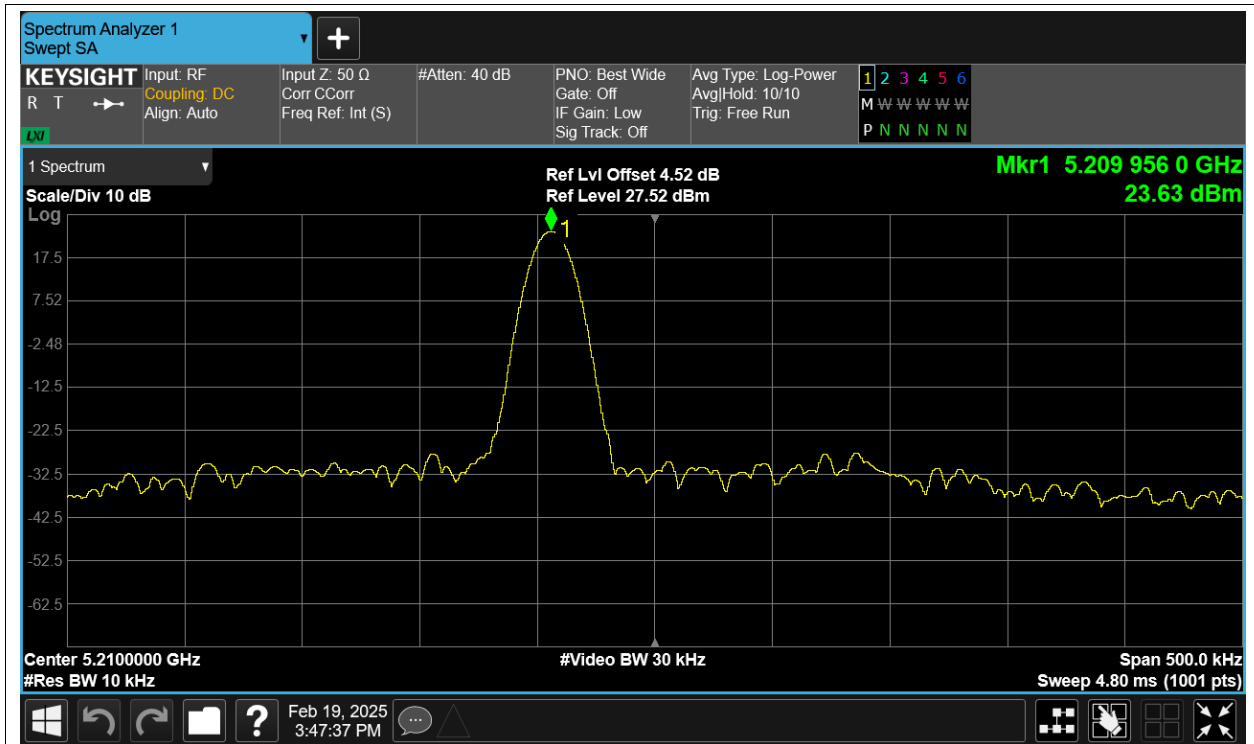
Freq. Stability NVNT a 5180MHz Ant1



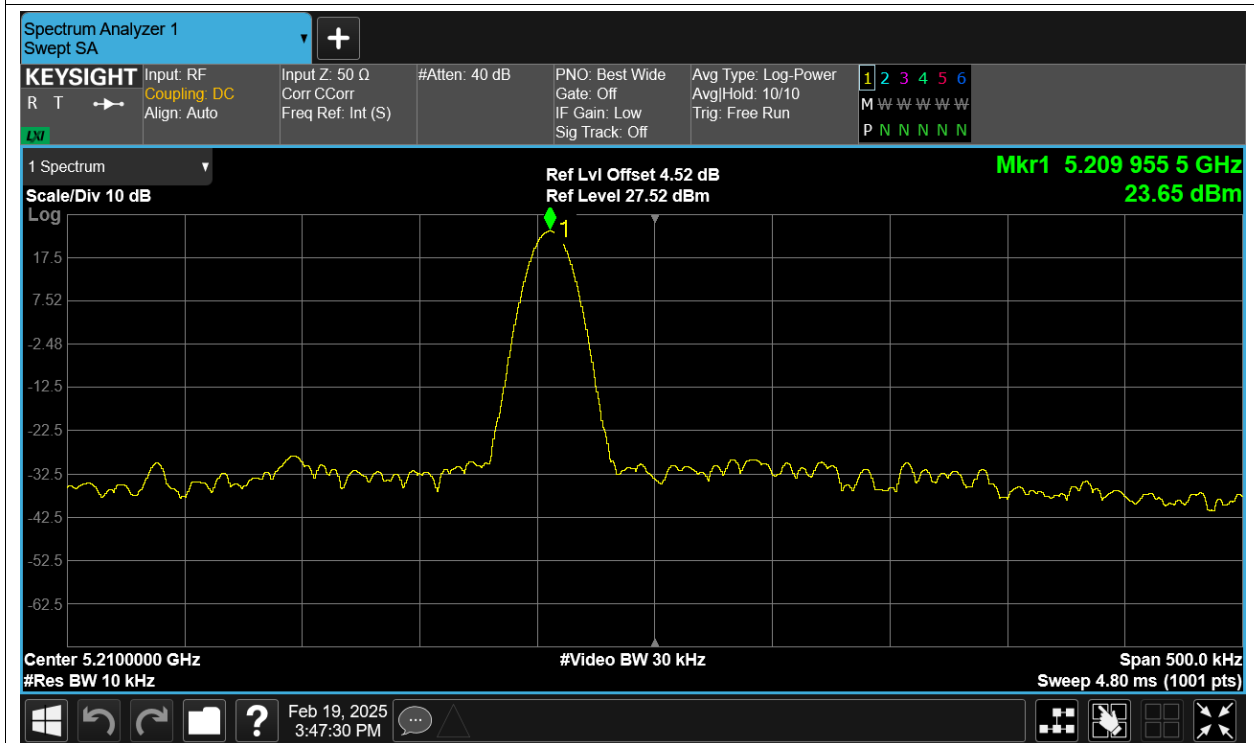
Freq. Stability HVNT ac80 5210MHz Ant1



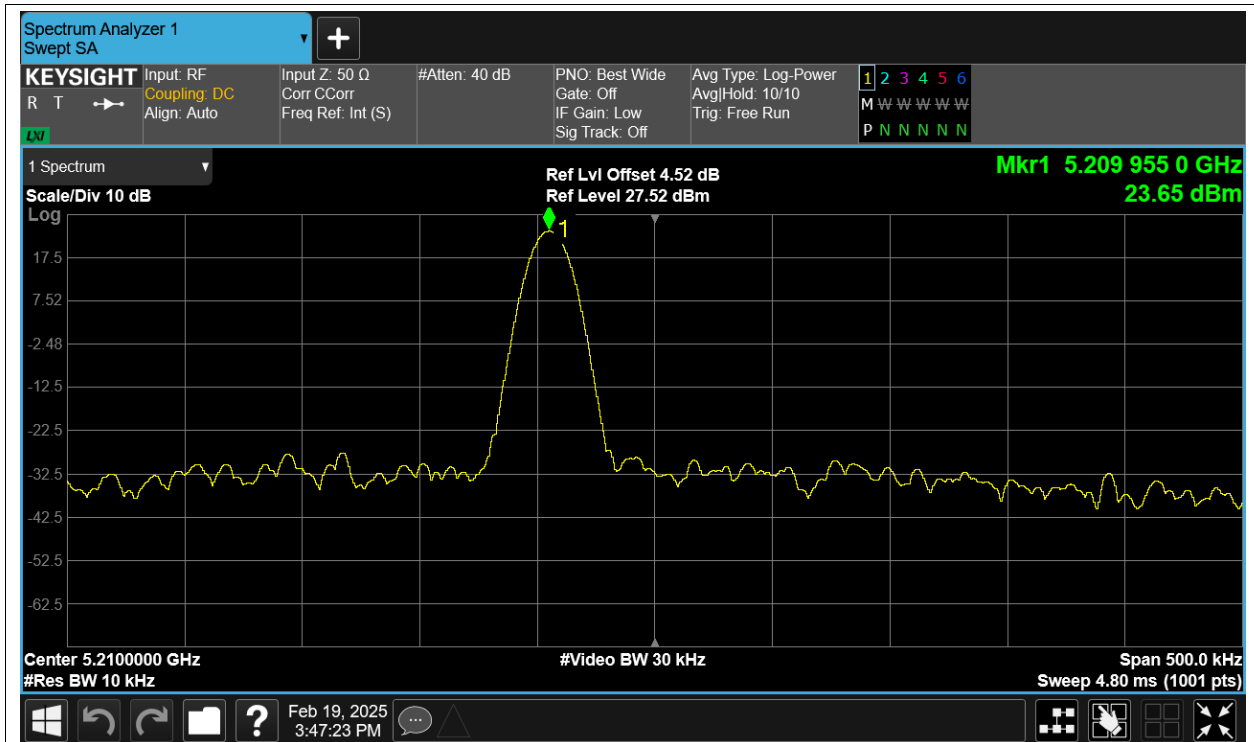
Freq. Stability LVNT ac80 5210MHz Ant1



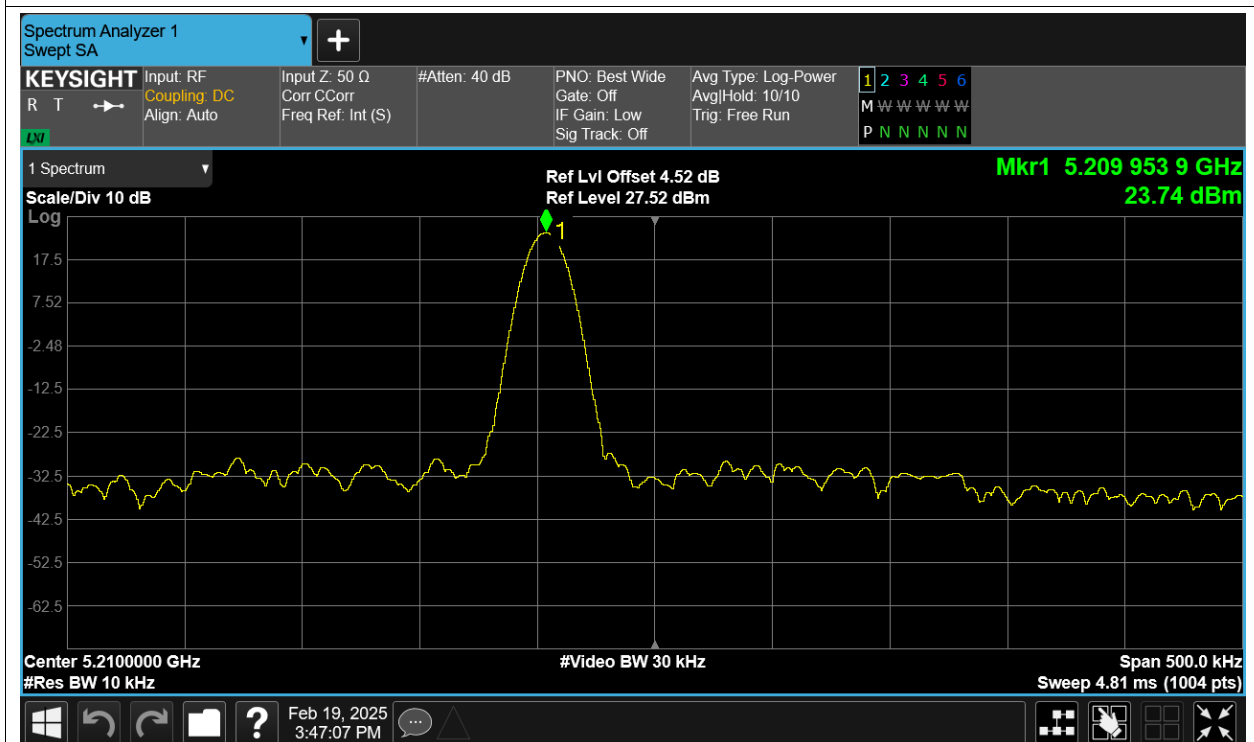
Freq. Stability NVHT ac80 5210MHz Ant1



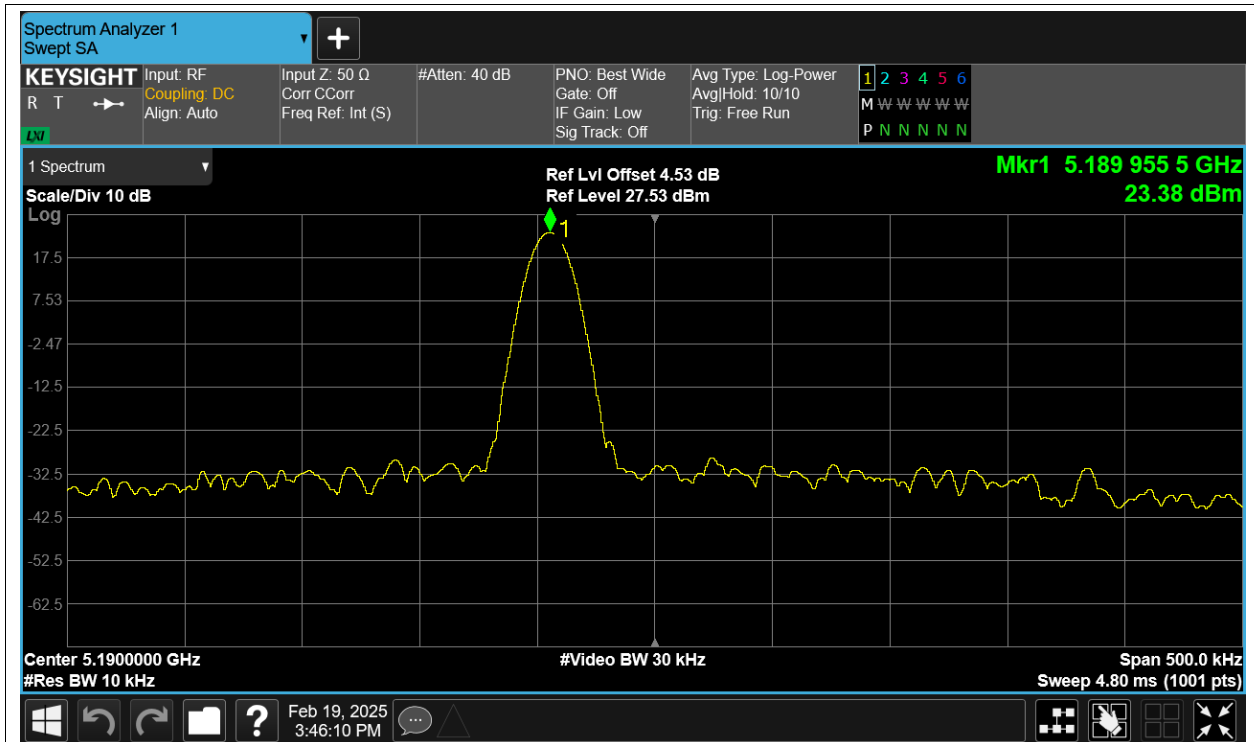
Freq. Stability NVLT ac80 5210MHz Ant1



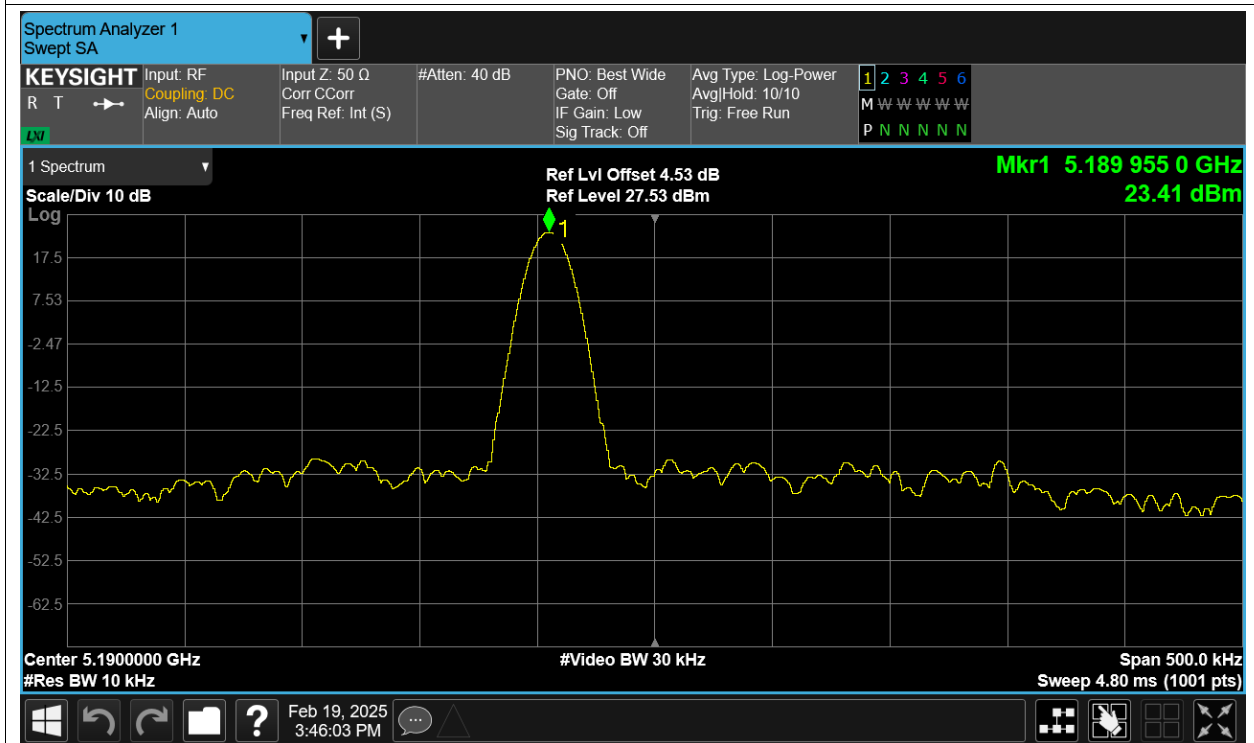
Freq. Stability NVNT ac80 5210MHz Ant1



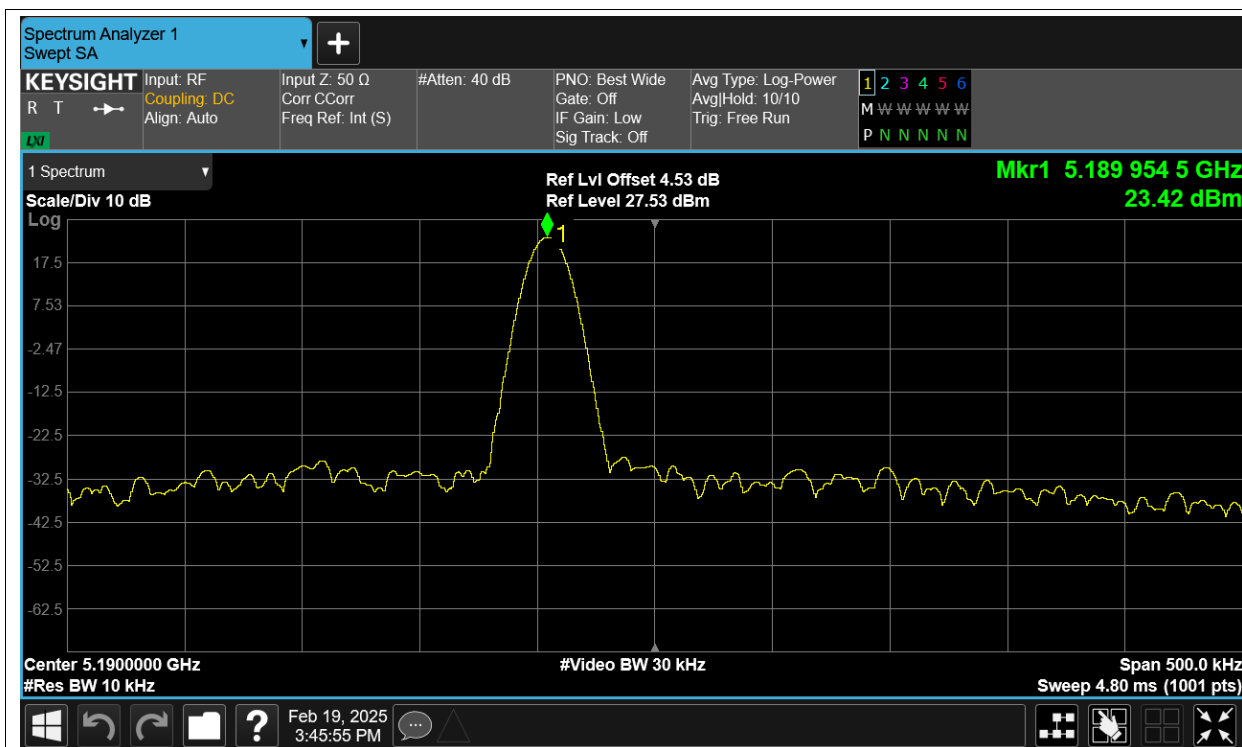
Freq. Stability HVNT n40 5190MHz Ant1



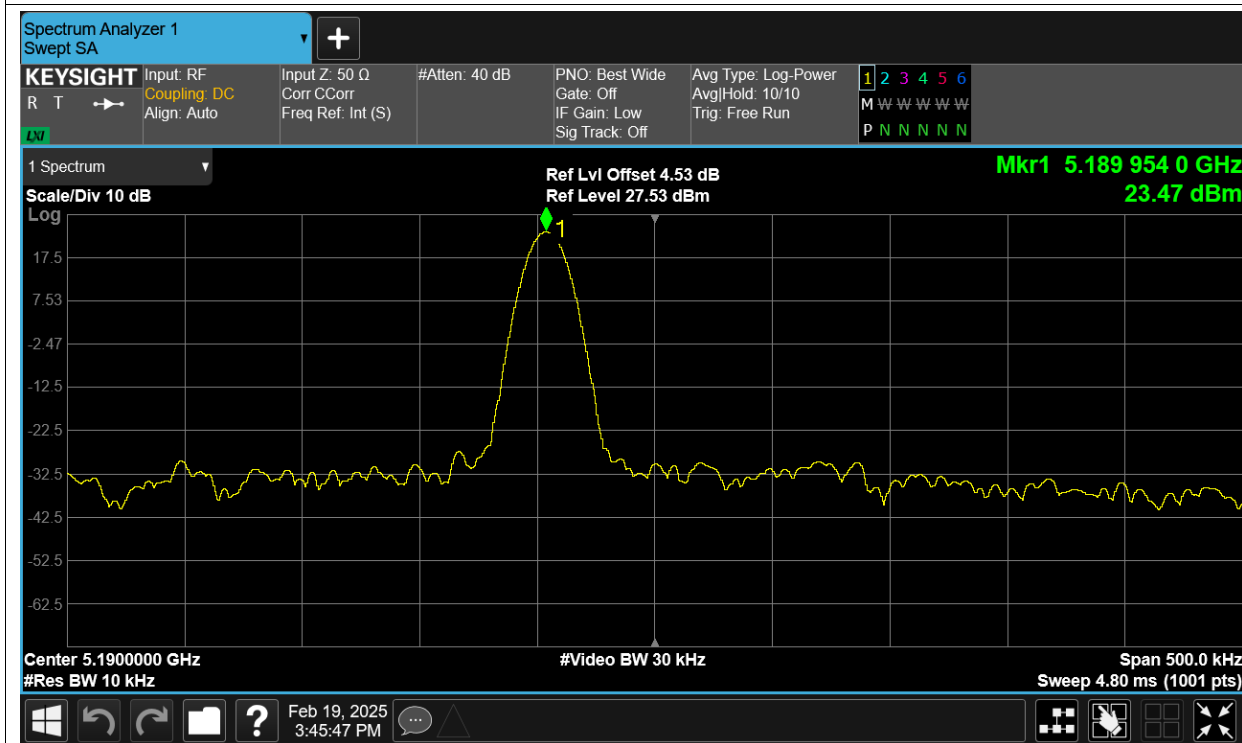
Freq. Stability LVNT n40 5190MHz Ant1



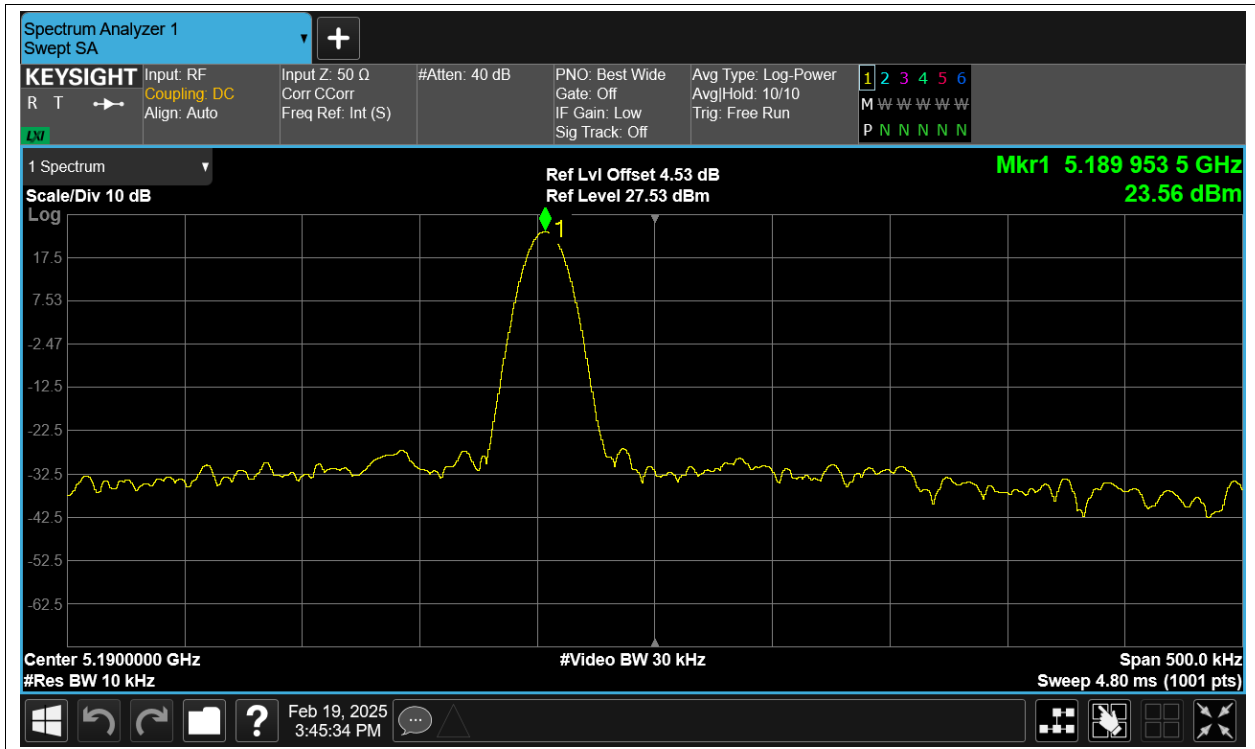
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1

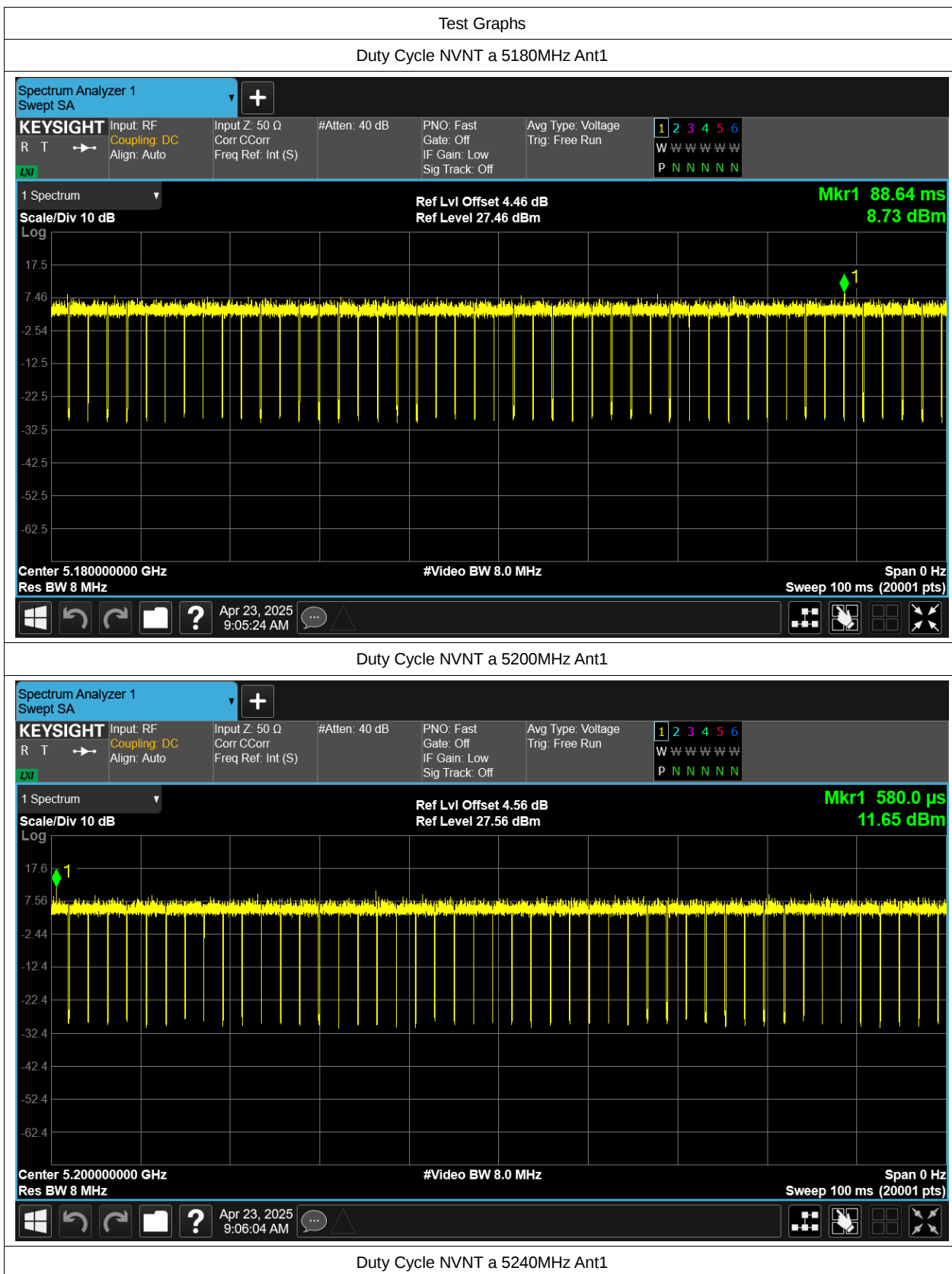


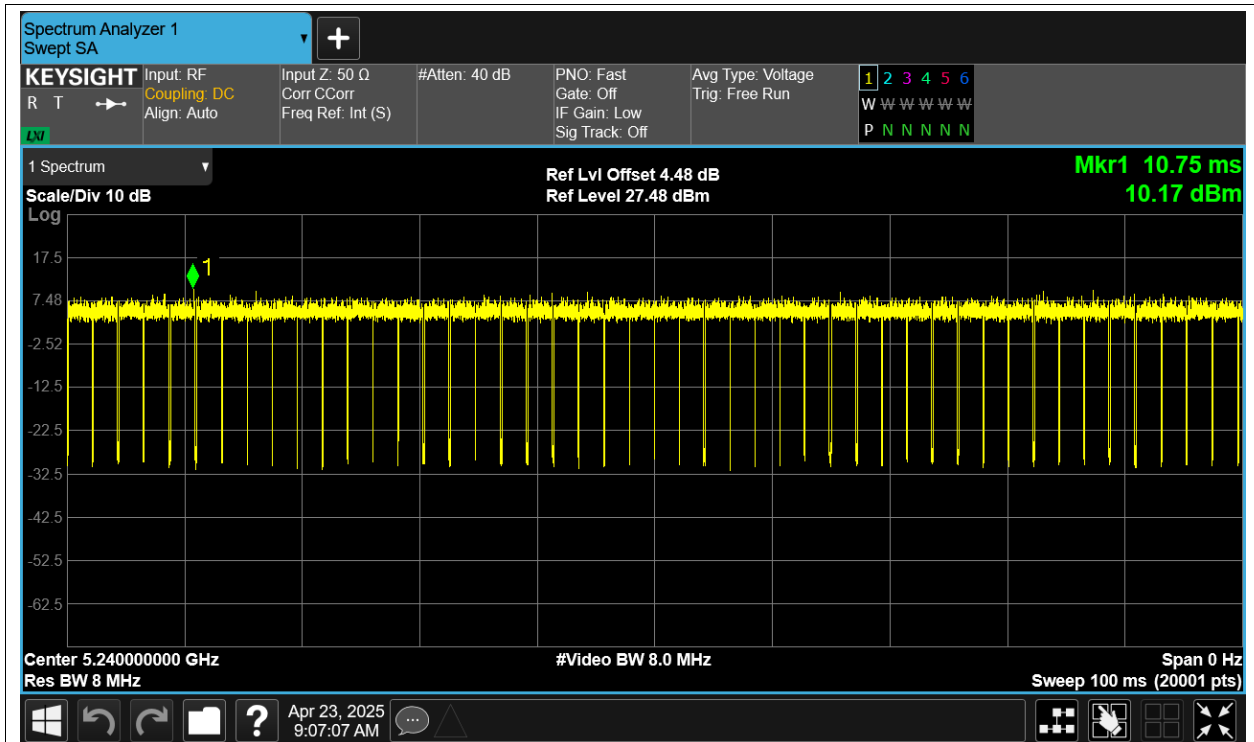
Freq. Stability NVNT n40 5190MHz Ant1



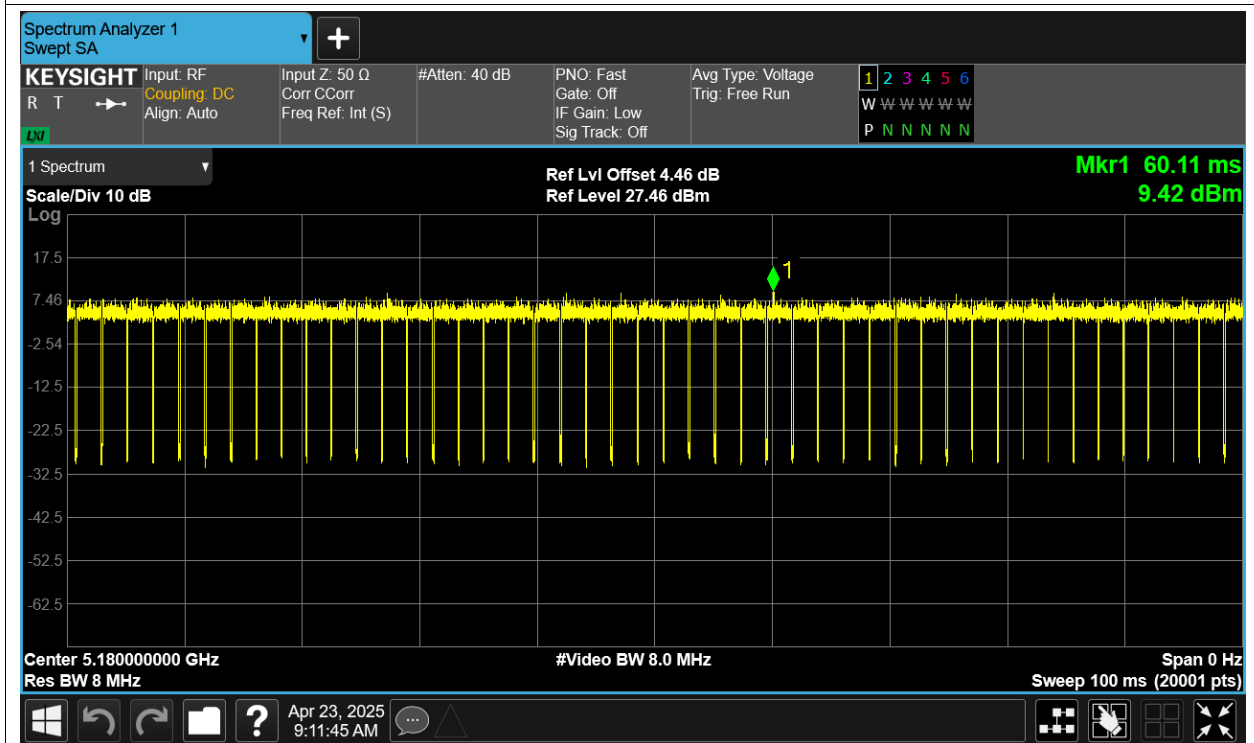
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	95.52	0.2
NVNT	a	5200	Ant1	95.88	0.18
NVNT	a	5240	Ant1	95.54	0.2
NVNT	ac20	5180	Ant1	95.22	0.21
NVNT	ac20	5200	Ant1	95.6	0.2
NVNT	ac20	5240	Ant1	94.5	0.25
NVNT	ac40	5190	Ant1	95.39	0.2
NVNT	ac40	5230	Ant1	95.36	0.21
NVNT	ac80	5210	Ant1	95.7	0.19
NVNT	n20	5180	Ant1	95.66	0.19
NVNT	n20	5200	Ant1	95.39	0.21
NVNT	n20	5240	Ant1	95.24	0.21
NVNT	n40	5190	Ant1	95.28	0.21
NVNT	n40	5230	Ant1	95.34	0.21

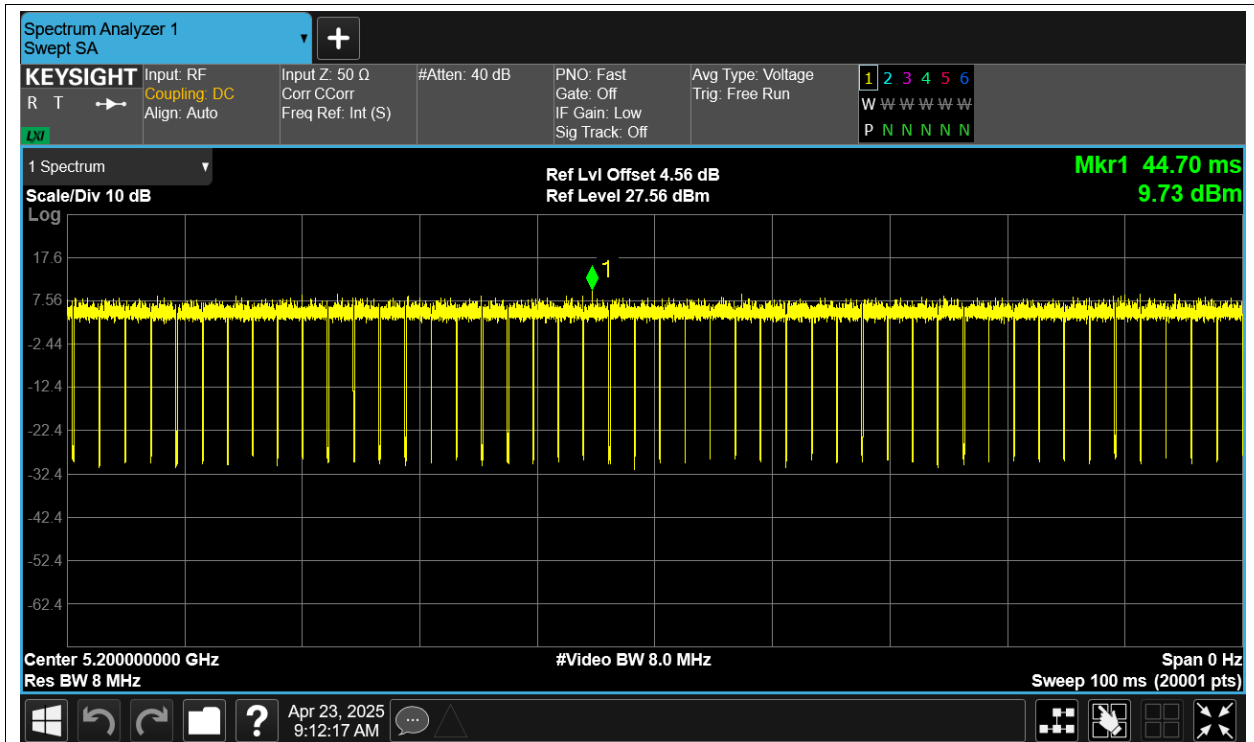




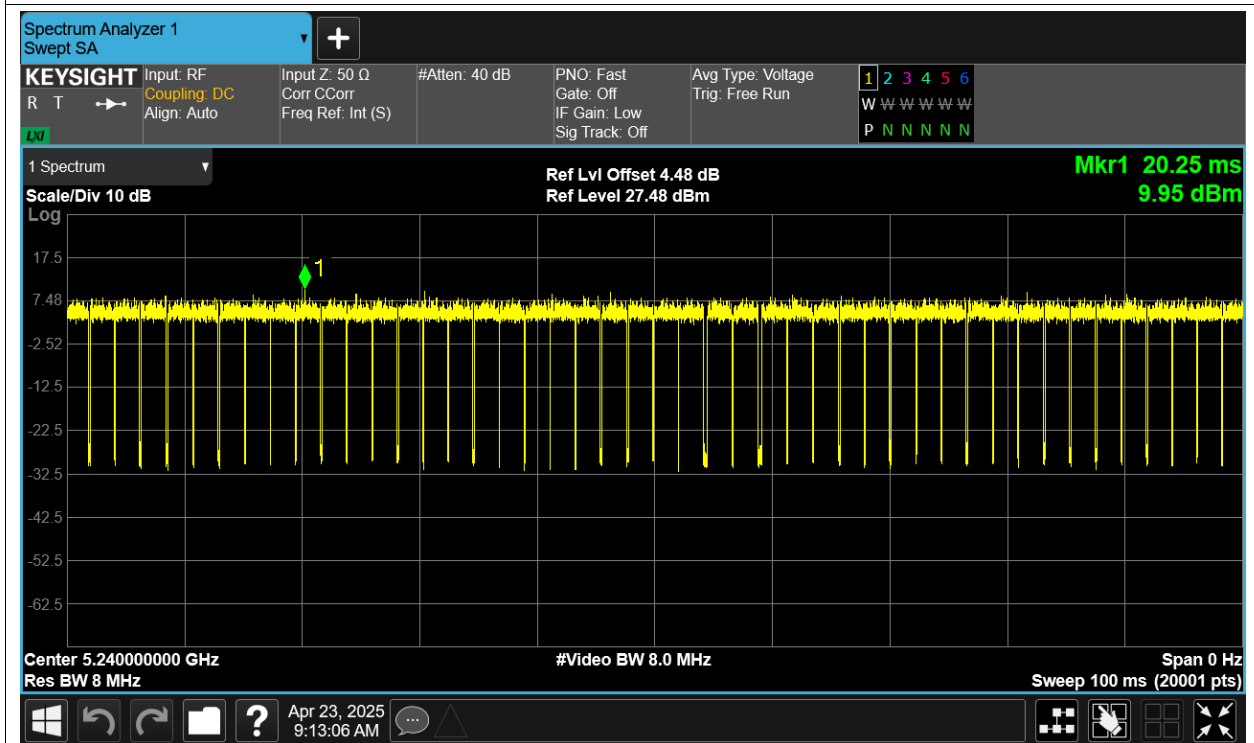
Duty Cycle NVNT ac20 5180MHz Ant1



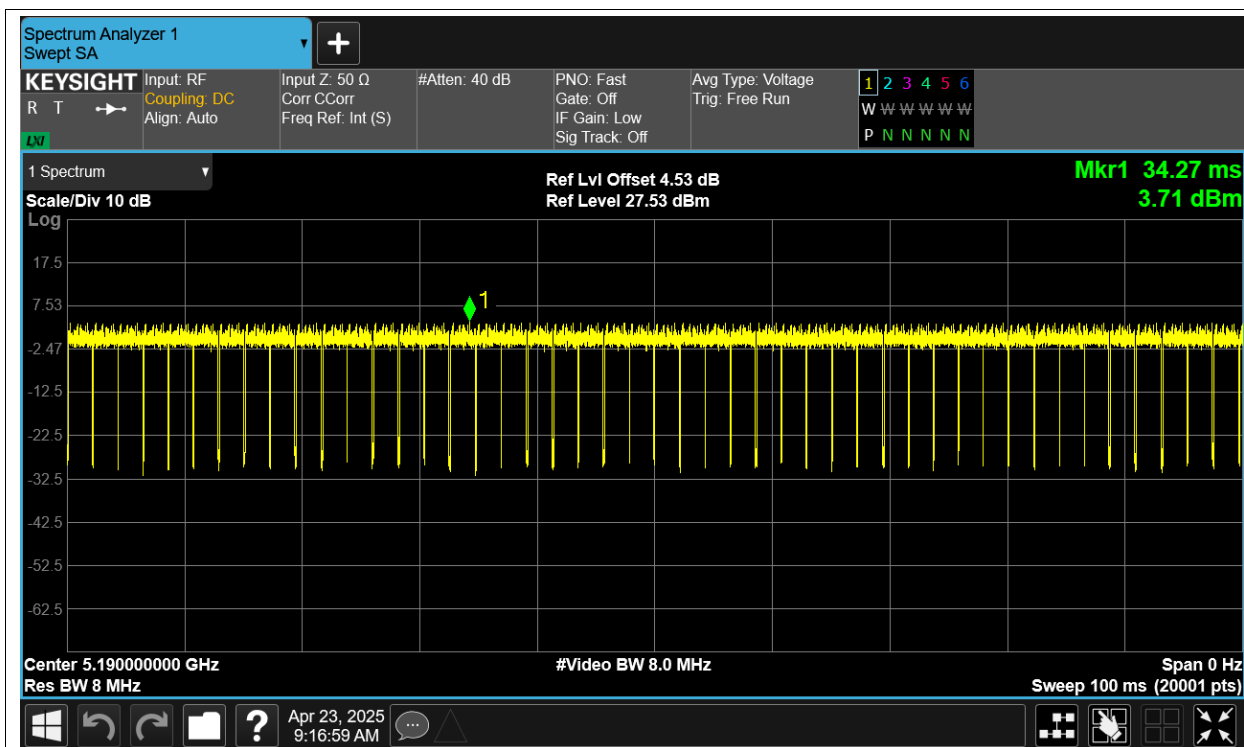
Duty Cycle NVNT ac20 5200MHz Ant1



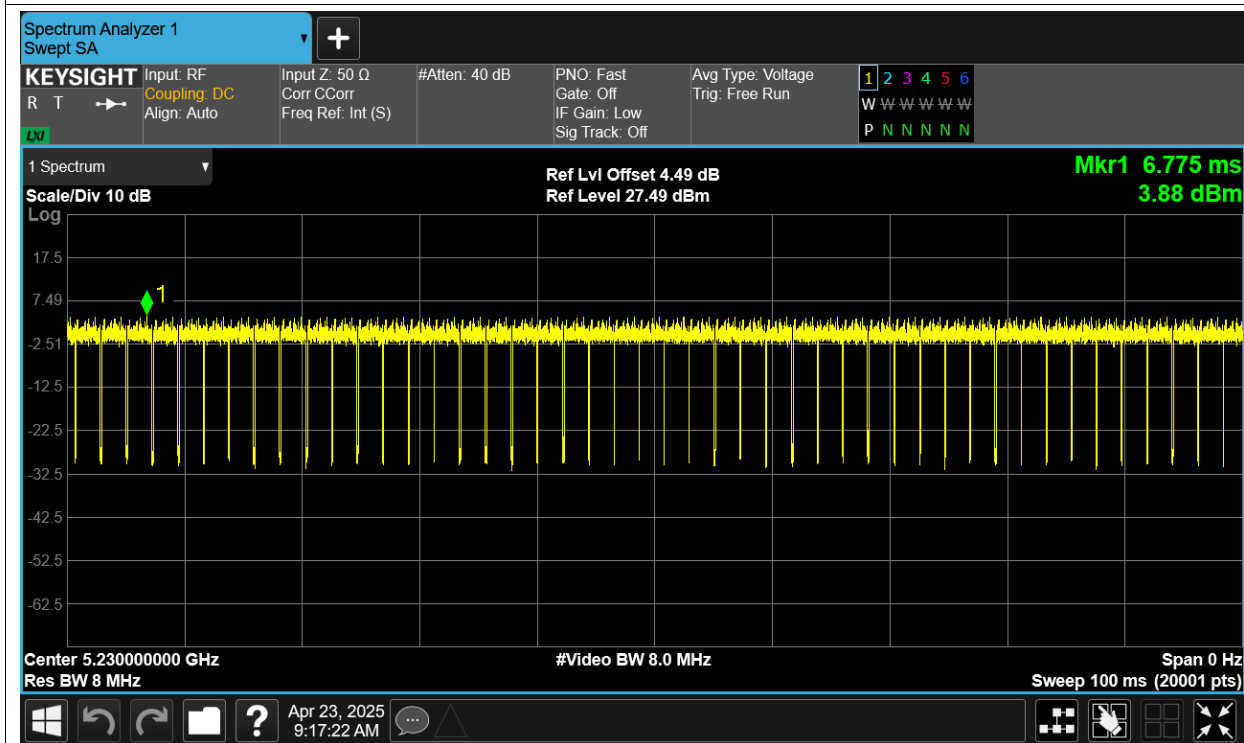
Duty Cycle NVNT ac20 5240MHz Ant1



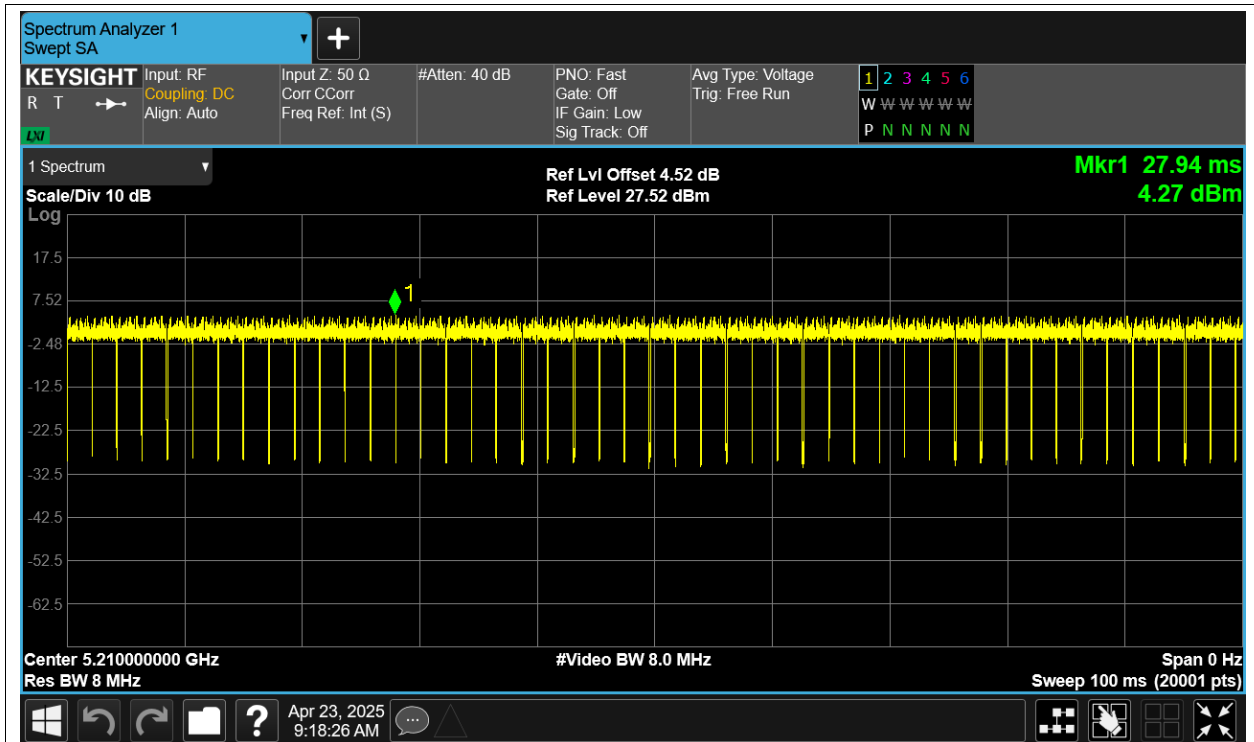
Duty Cycle NVNT ac40 5190MHz Ant1



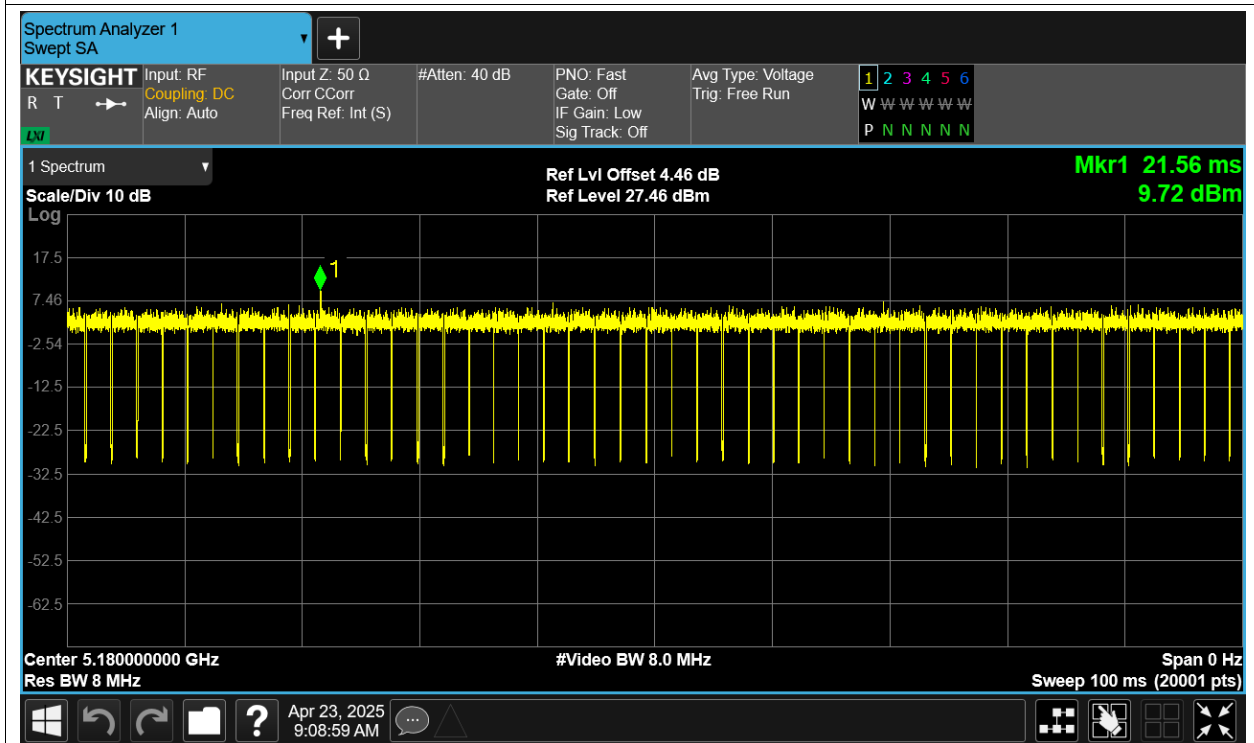
Duty Cycle NVNT ac40 5230MHz Ant1



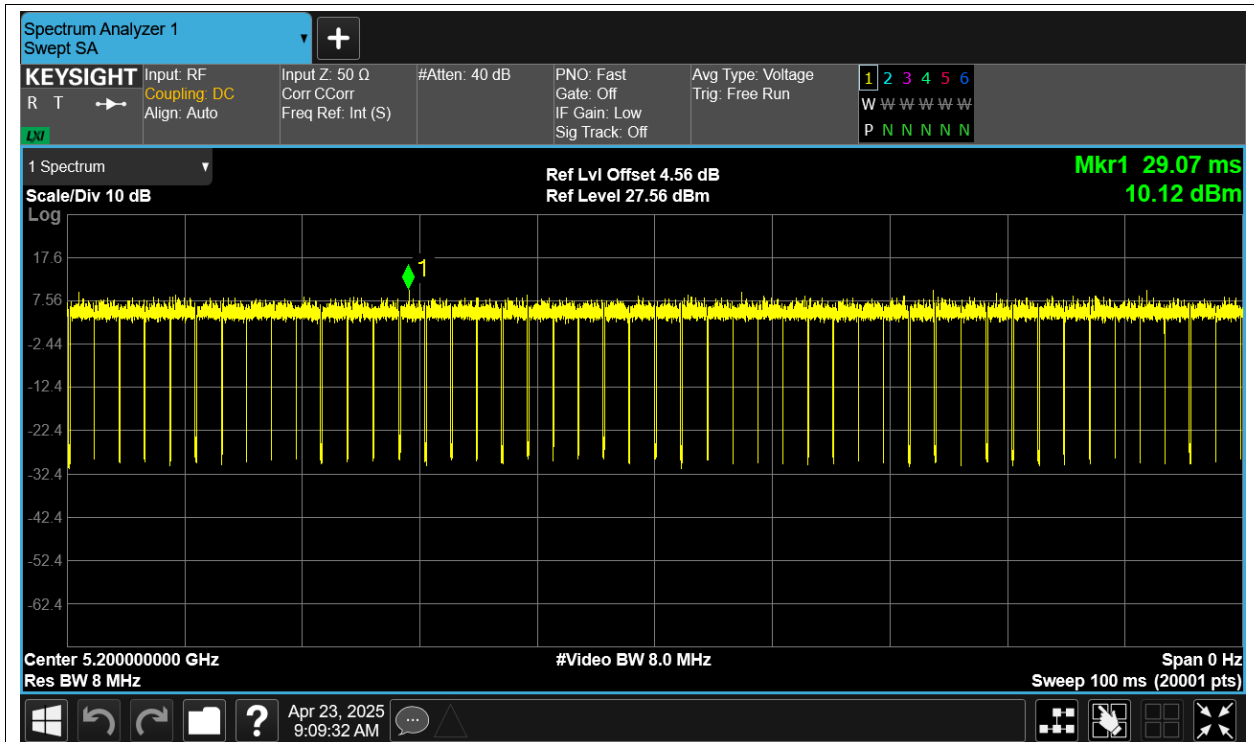
Duty Cycle NVNT ac80 5210MHz Ant1



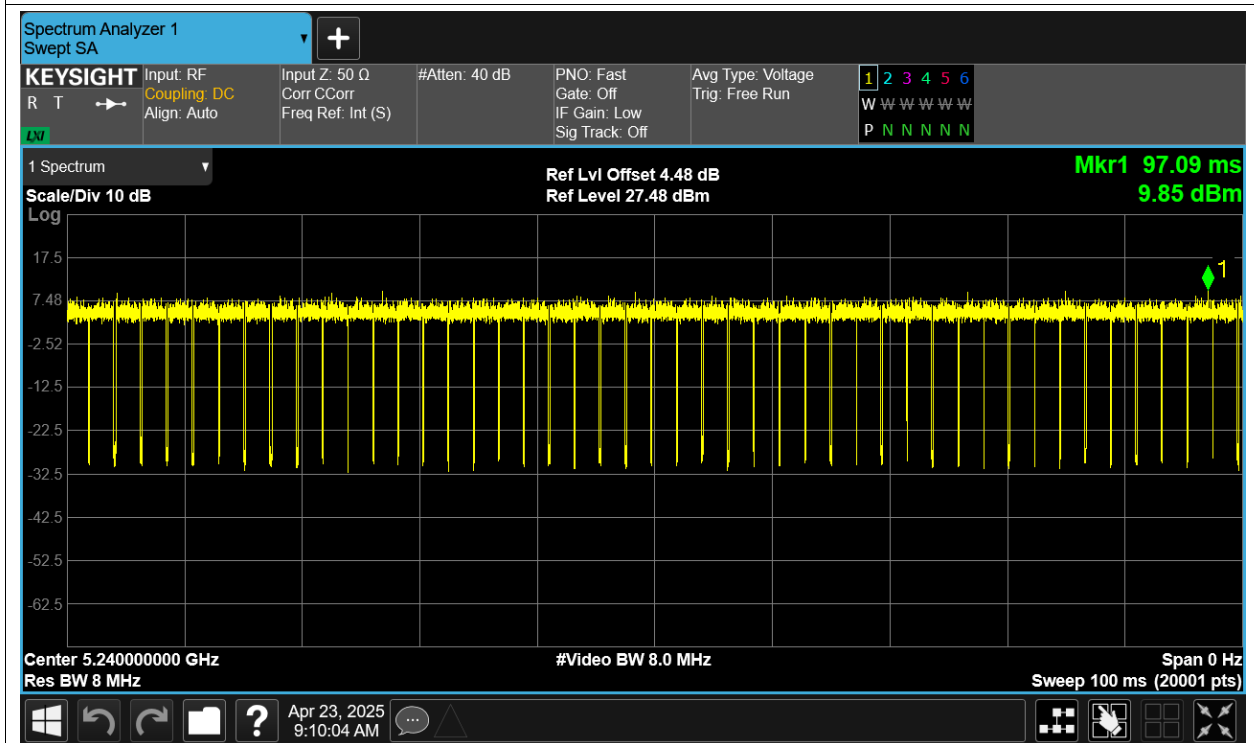
Duty Cycle NVNT n20 5180MHz Ant1



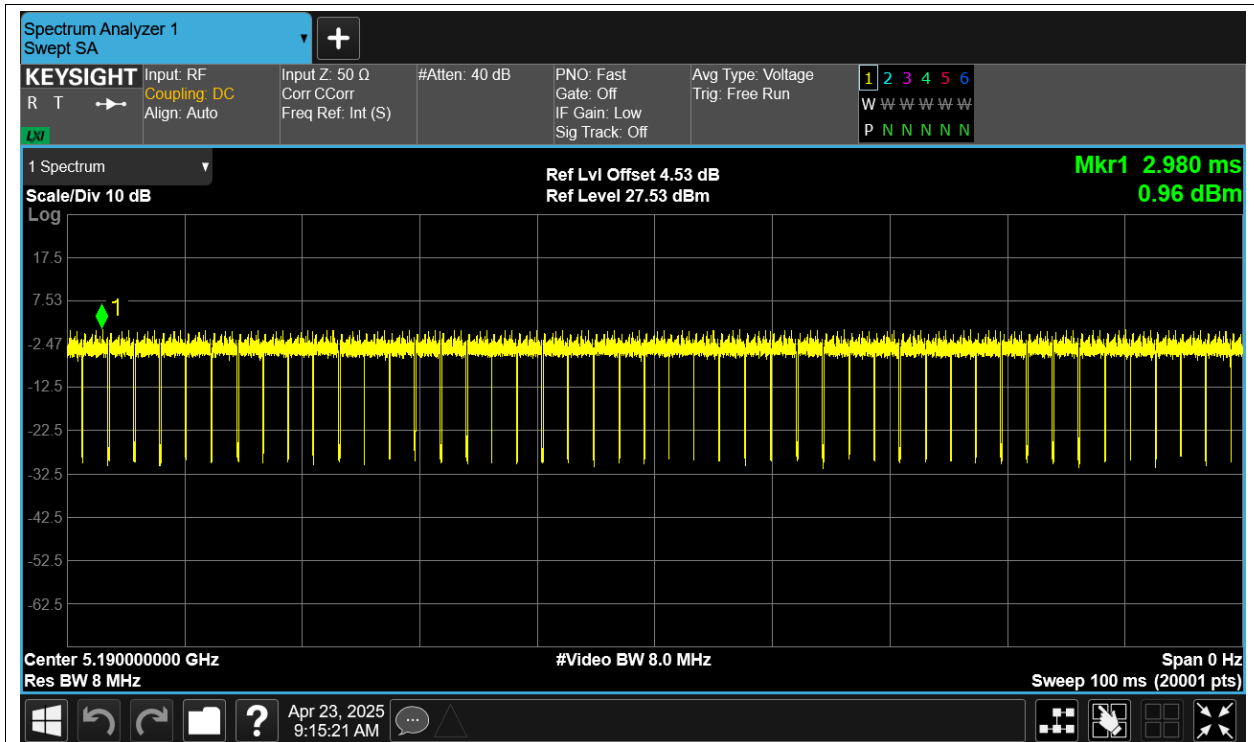
Duty Cycle NVNT n20 5200MHz Ant1



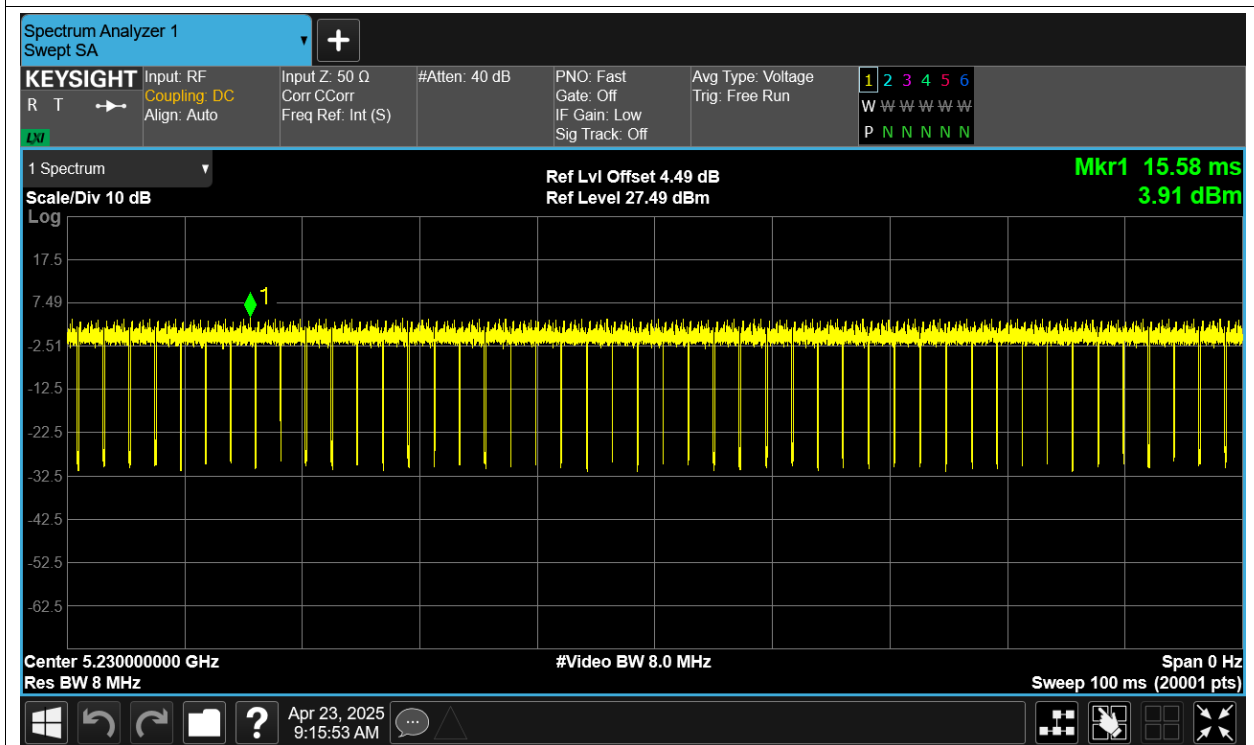
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



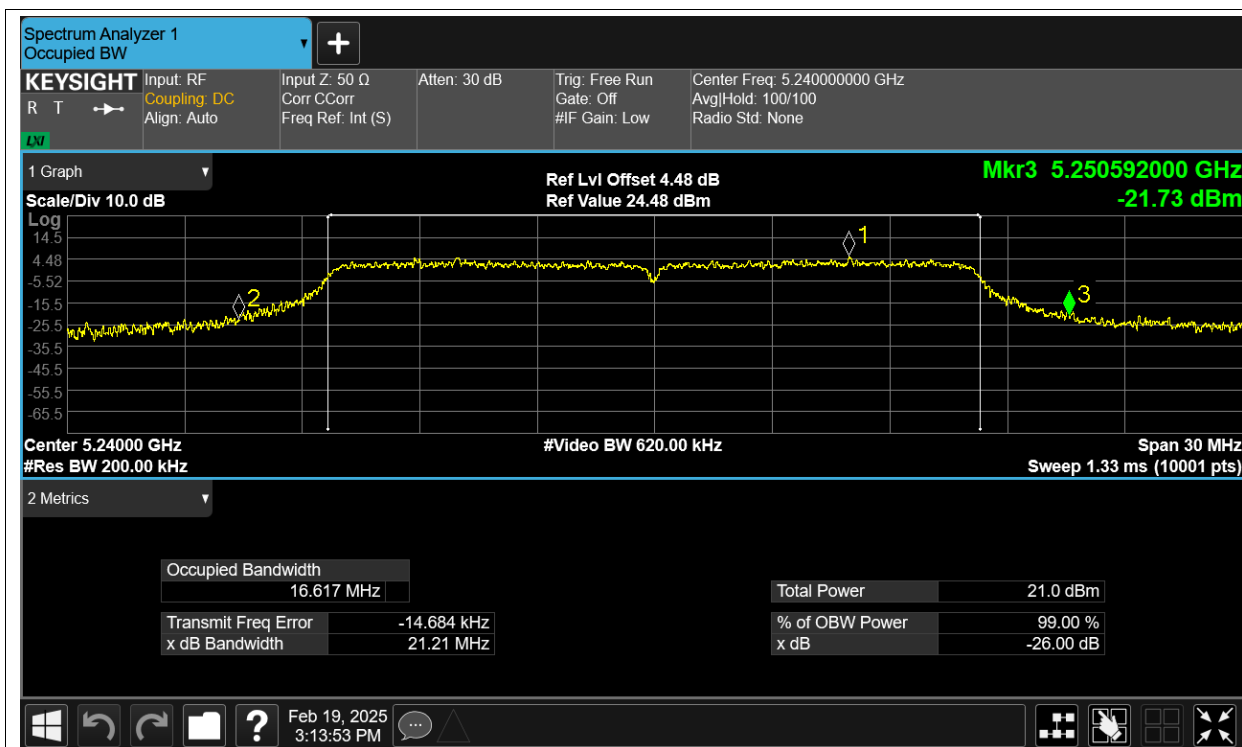
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.49	0.2	12.69	24	Pass
NVNT	a	5200	Ant1	12.97	0.18	13.15	24	Pass
NVNT	a	5240	Ant1	12.95	0.2	13.15	24	Pass
NVNT	ac20	5180	Ant1	13.09	0.21	13.3	24	Pass
NVNT	ac20	5200	Ant1	13.67	0.2	13.87	24	Pass
NVNT	ac20	5240	Ant1	14.3	0.25	14.55	24	Pass
NVNT	ac40	5190	Ant1	12.93	0.2	13.13	23	Pass
NVNT	ac40	5230	Ant1	13.68	0.21	13.89	24	Pass
NVNT	ac80	5210	Ant1	8.24	0.19	8.43	24	Pass
NVNT	n20	5180	Ant1	13.13	0.19	13.32	24	Pass
NVNT	n20	5200	Ant1	13.67	0.21	13.88	24	Pass
NVNT	n20	5240	Ant1	14.28	0.21	14.49	24	Pass
NVNT	n40	5190	Ant1	8.61	0.21	8.82	24	Pass
NVNT	n40	5230	Ant1	9.35	0.21	9.56	24	Pass

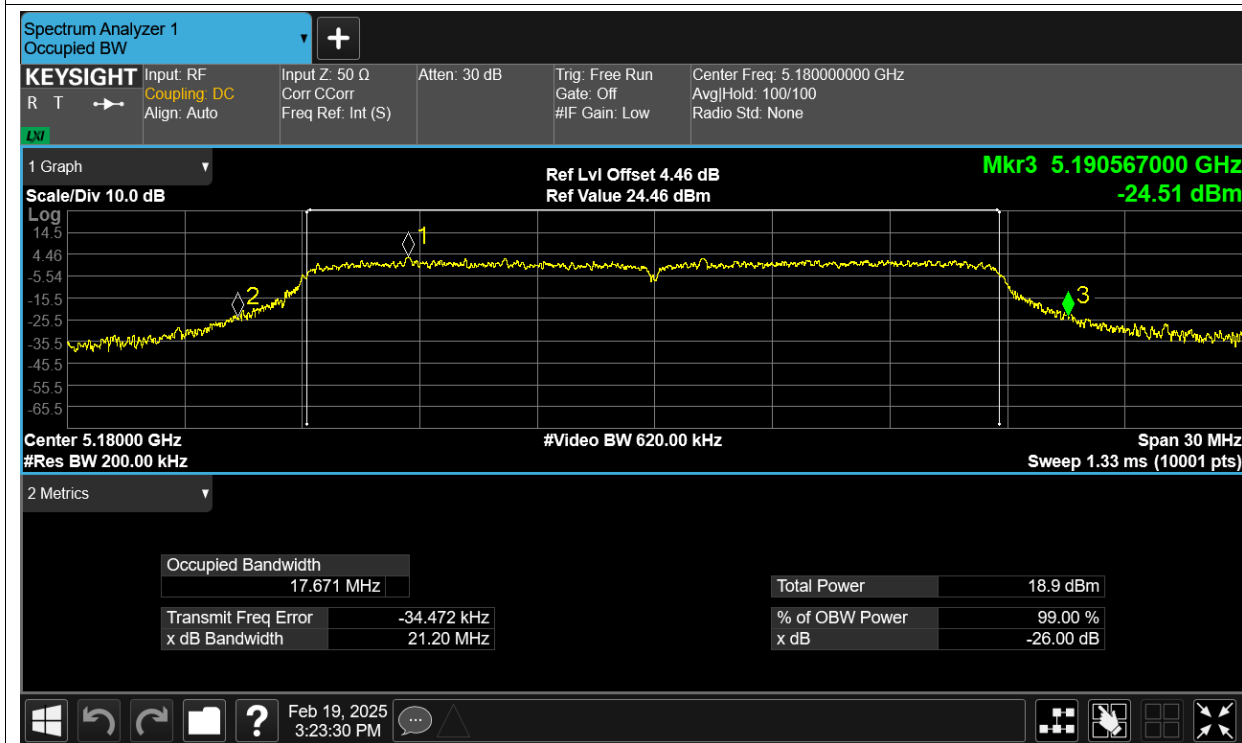
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	20.655
NVNT	a	5200	Ant1	21.841
NVNT	a	5240	Ant1	21.213
NVNT	ac20	5180	Ant1	21.203
NVNT	ac20	5200	Ant1	21.258
NVNT	ac20	5240	Ant1	21.274
NVNT	ac40	5190	Ant1	40.23
NVNT	ac40	5230	Ant1	40.621
NVNT	ac80	5210	Ant1	79.625
NVNT	n20	5180	Ant1	21.106
NVNT	n20	5200	Ant1	20.92
NVNT	n20	5240	Ant1	21.227
NVNT	n40	5190	Ant1	40.267
NVNT	n40	5230	Ant1	40.136

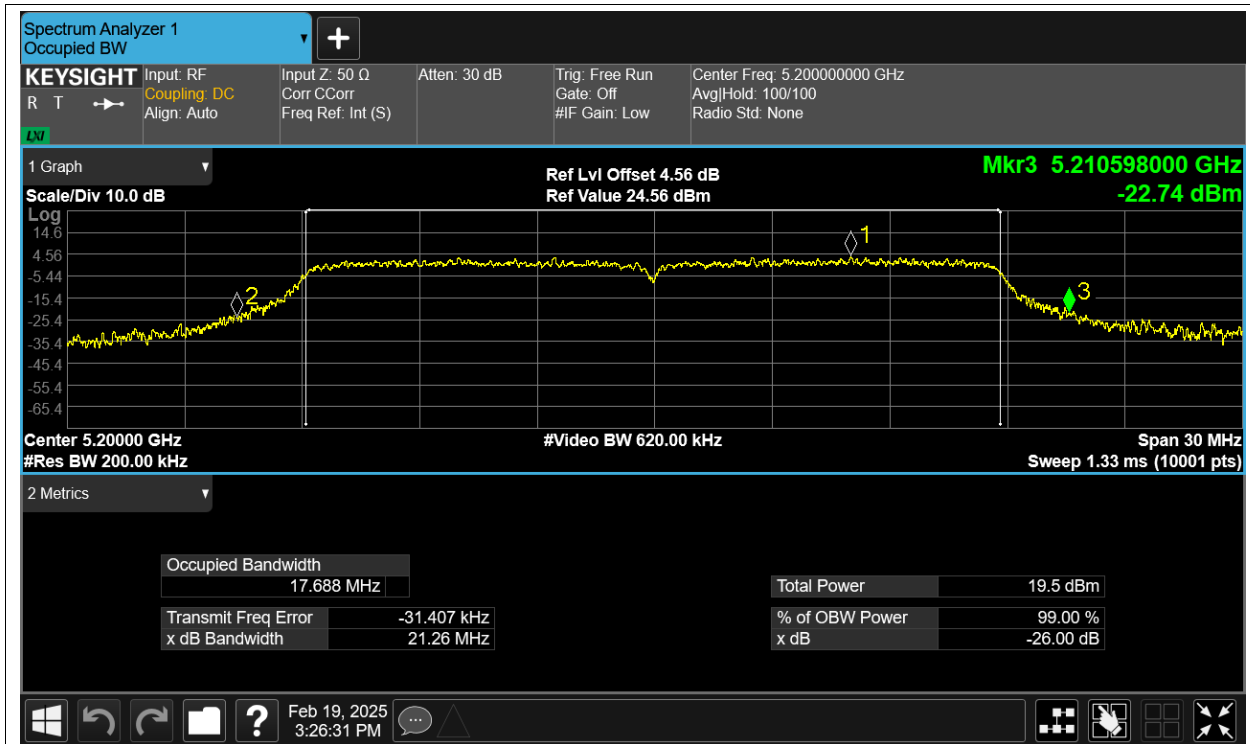




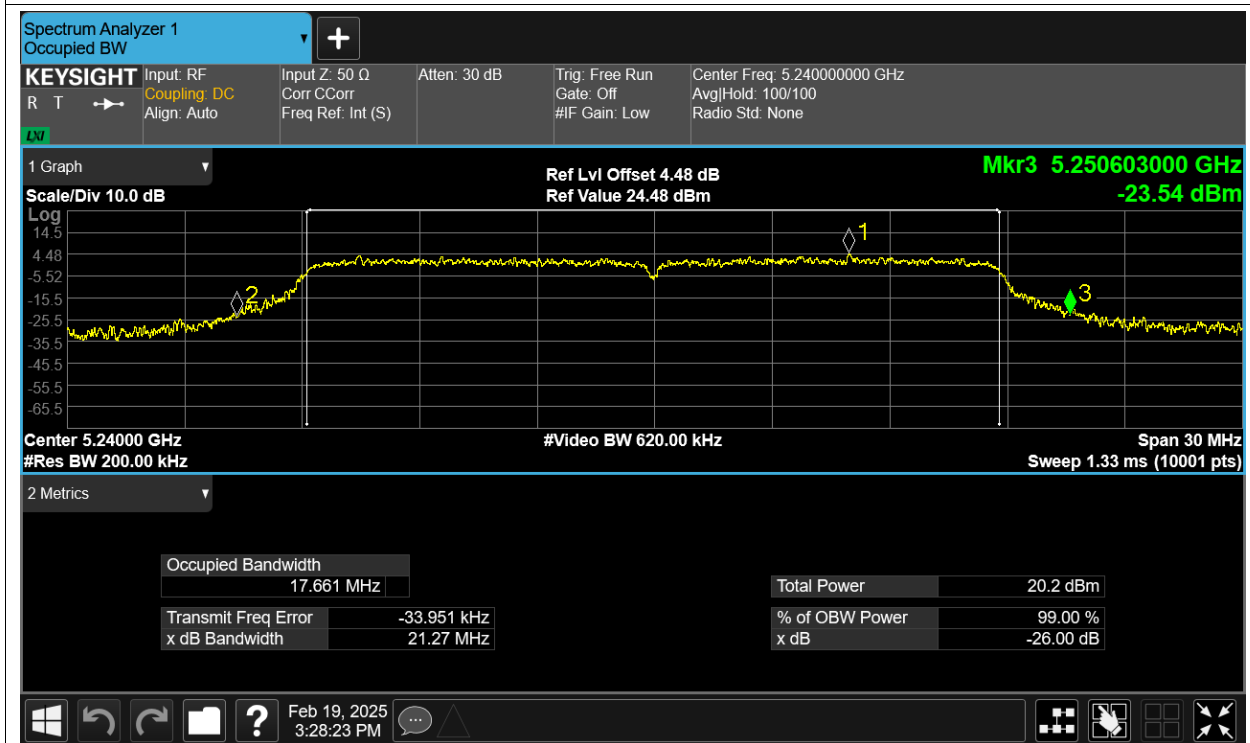
-26dB Bandwidth NVNT ac20 5180MHz Ant1



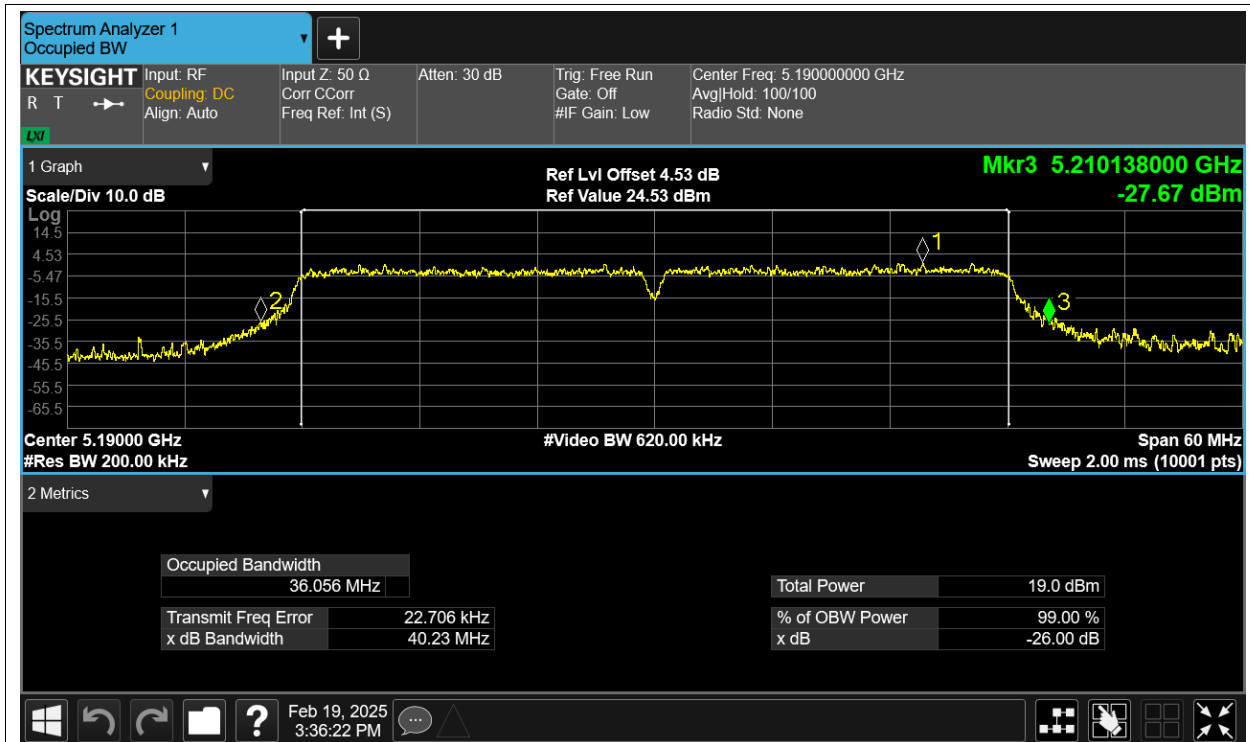
-26dB Bandwidth NVNT ac20 5200MHz Ant1



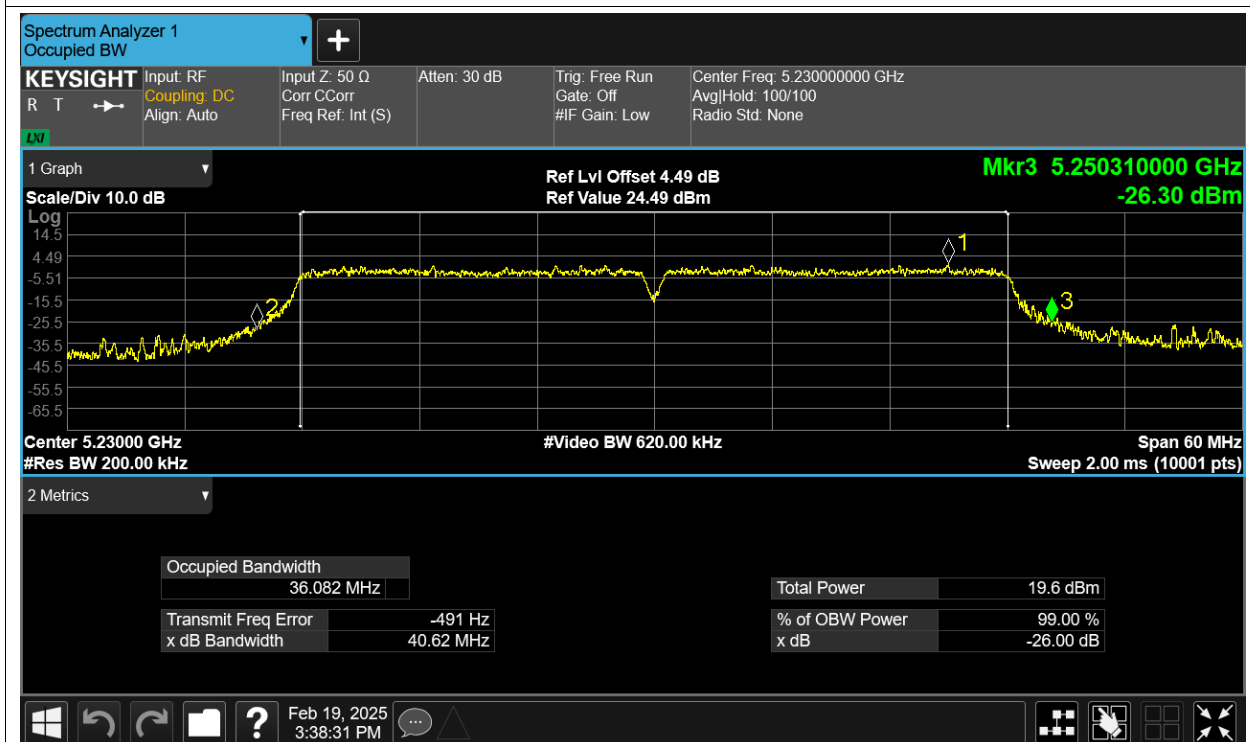
-26dB Bandwidth NVNT ac20 5240MHz Ant1



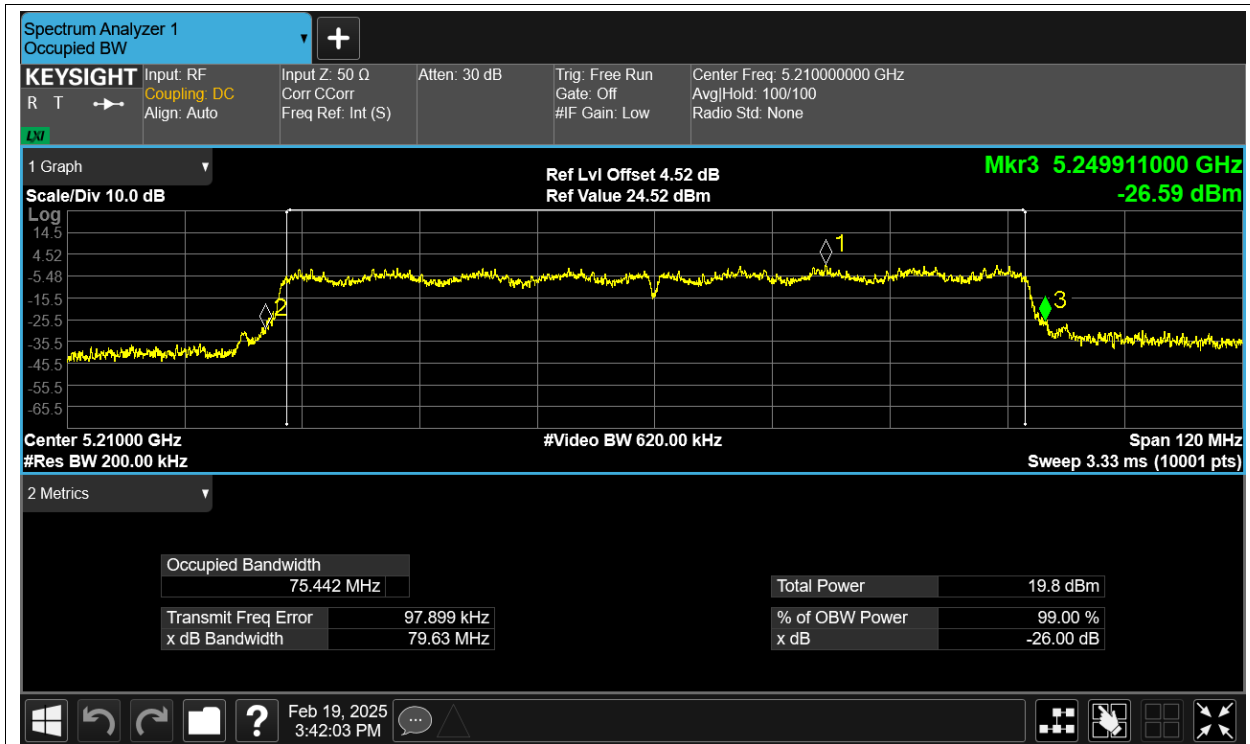
-26dB Bandwidth NVNT ac40 5190MHz Ant1



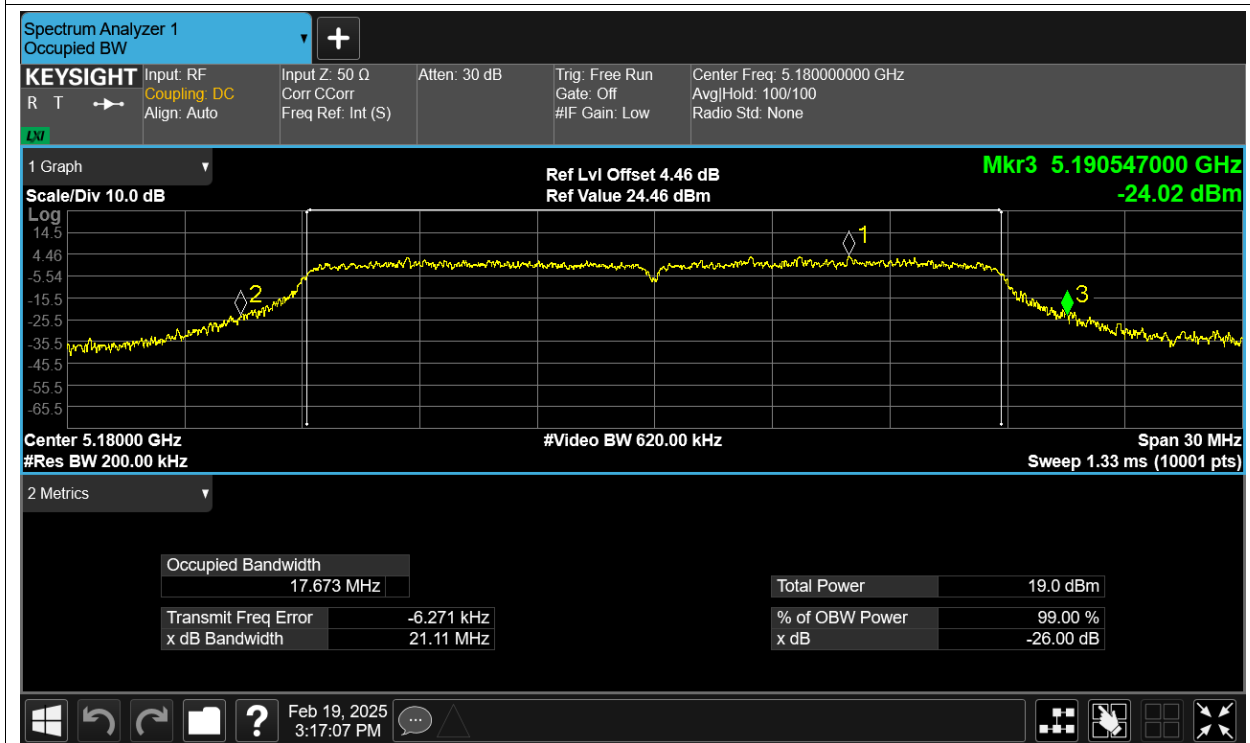
-26dB Bandwidth NVNT ac40 5230MHz Ant1



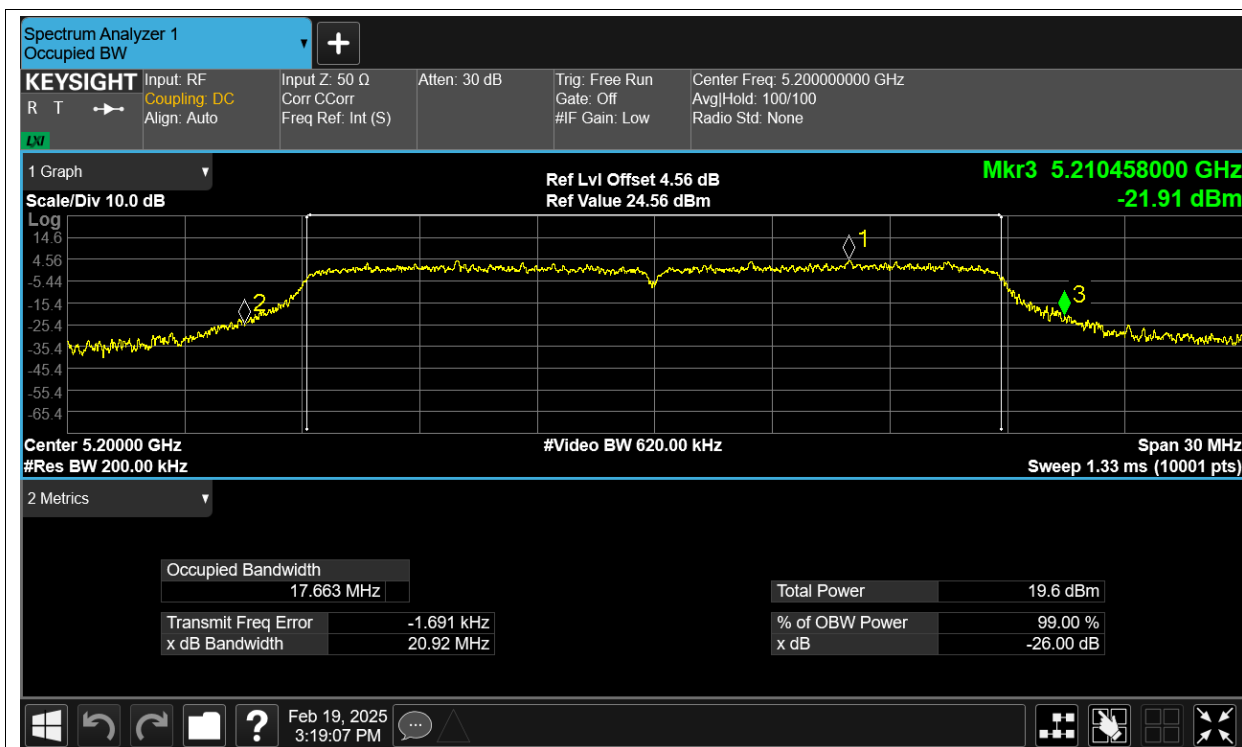
-26dB Bandwidth NVNT ac80 5210MHz Ant1



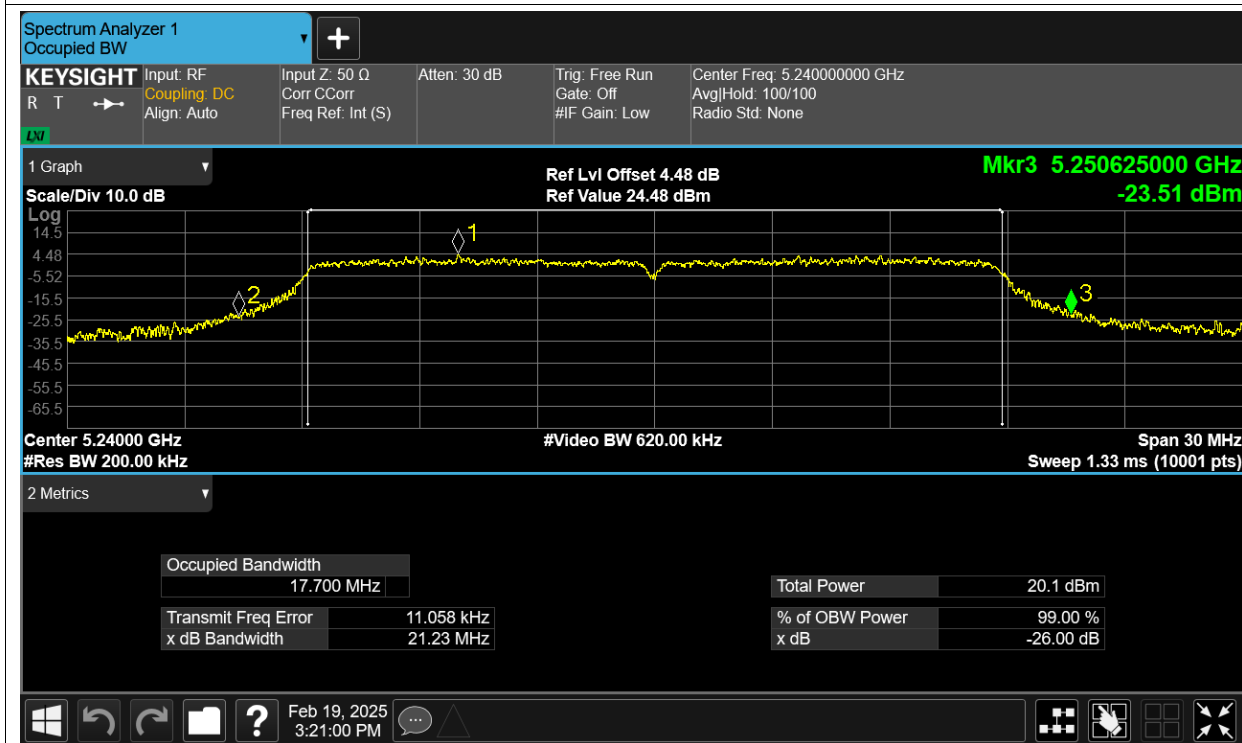
-26dB Bandwidth NVNT n20 5180MHz Ant1



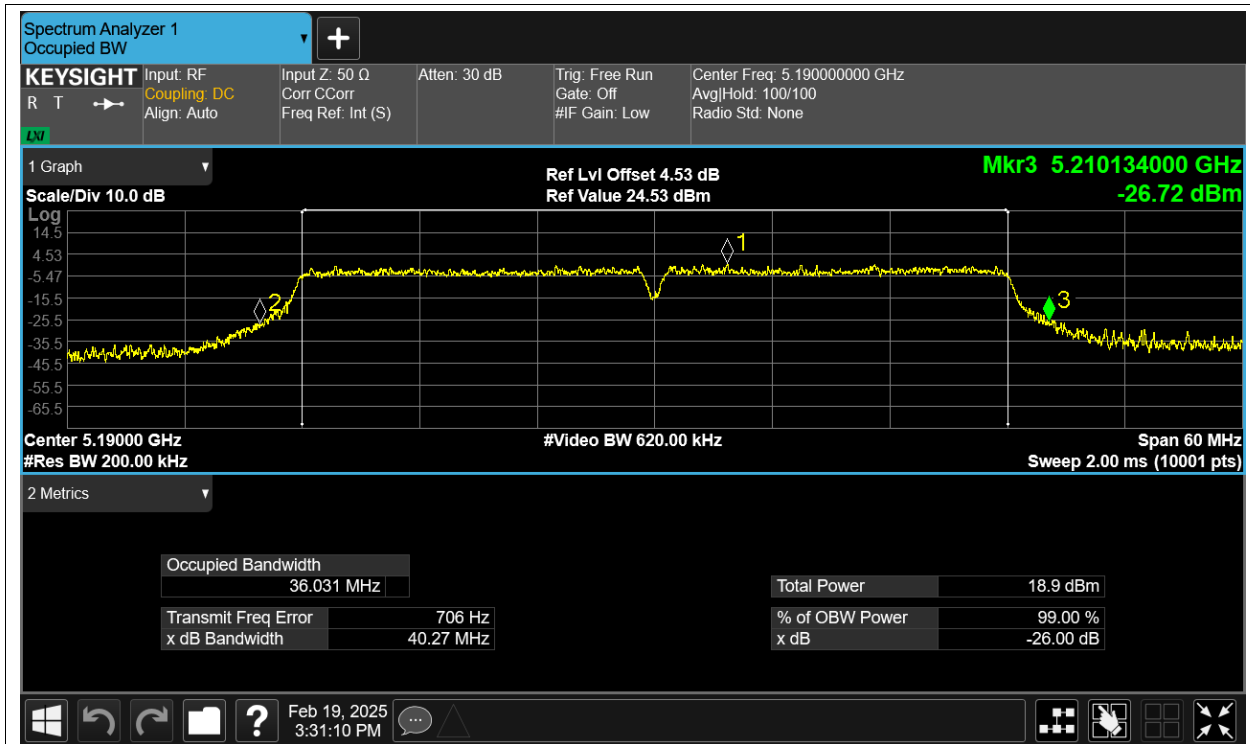
-26dB Bandwidth NVNT n20 5200MHz Ant1



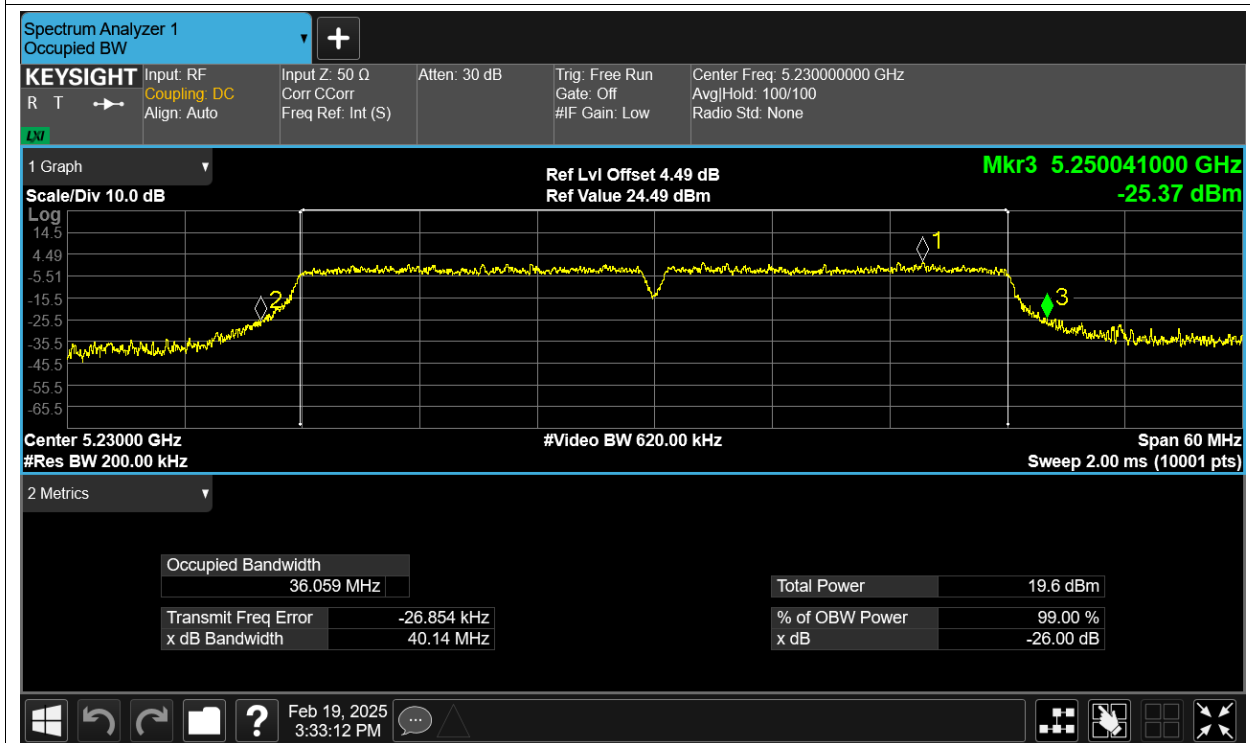
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

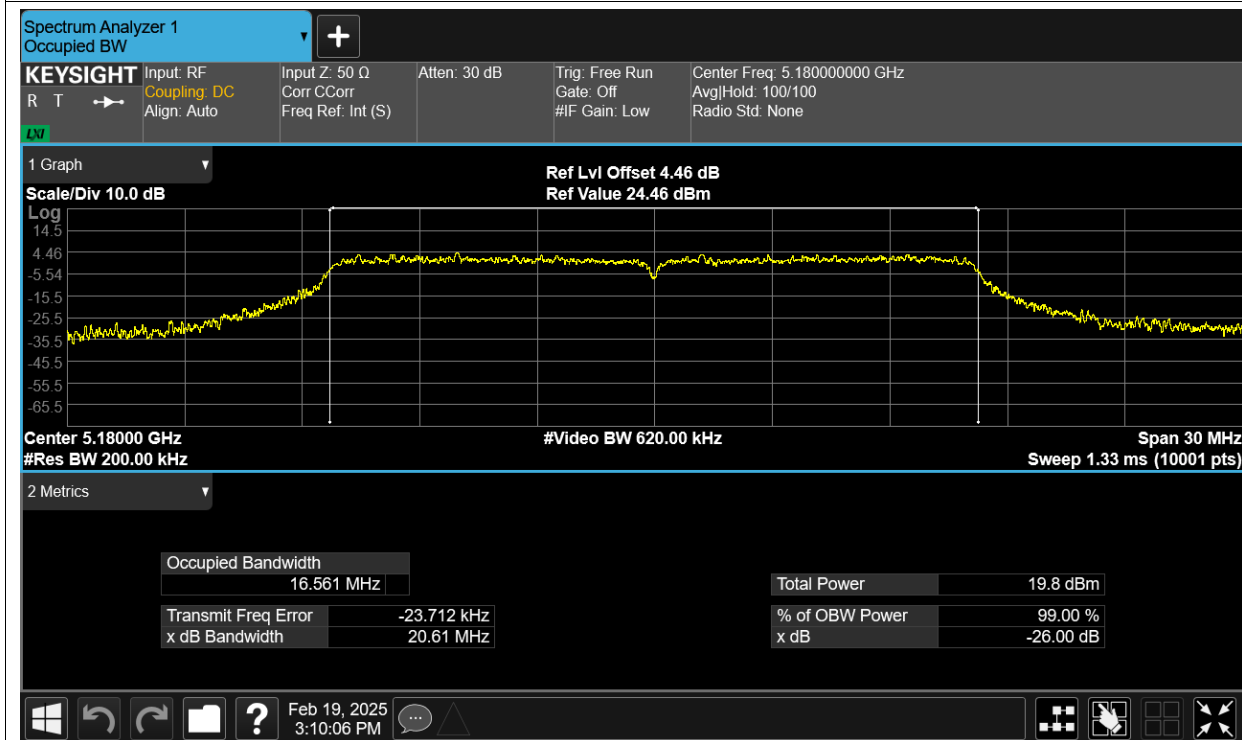


Occupied Channel Bandwidth

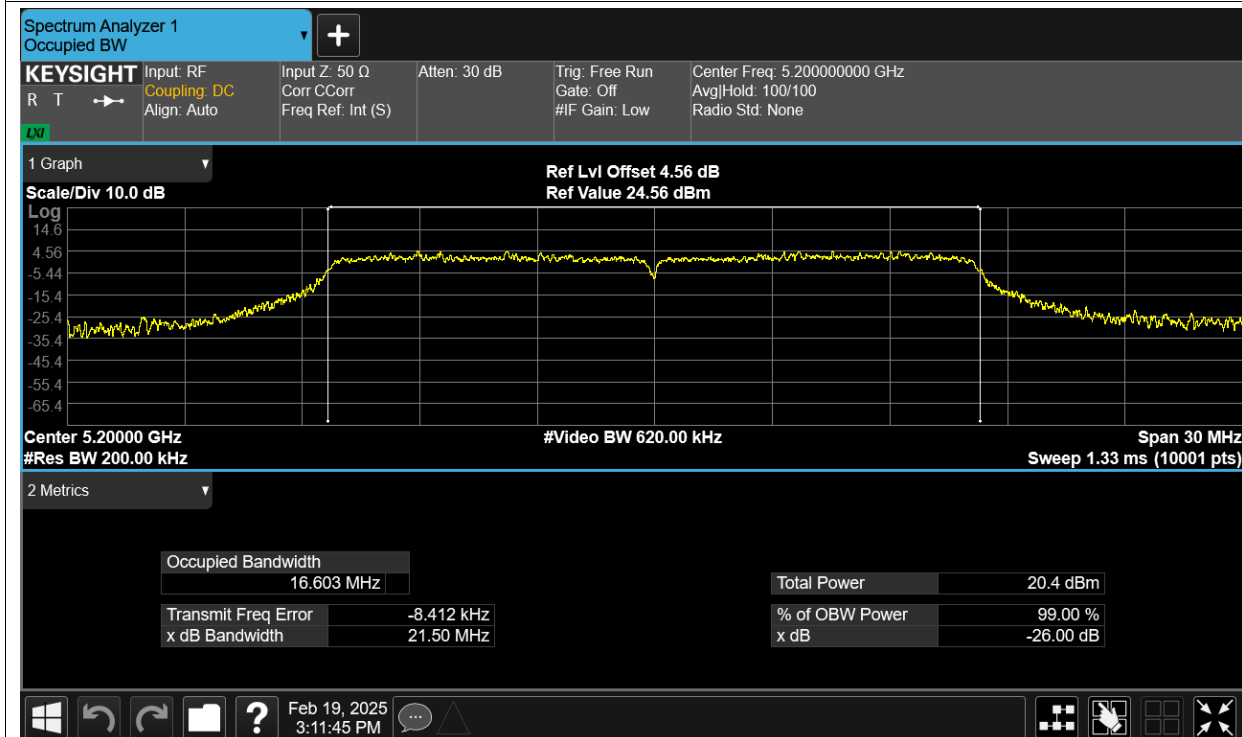
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.561
NVNT	a	5200	Ant1	16.603
NVNT	a	5240	Ant1	16.615
NVNT	ac20	5180	Ant1	17.663
NVNT	ac20	5200	Ant1	17.681
NVNT	ac20	5240	Ant1	17.711
NVNT	ac40	5190	Ant1	36.208
NVNT	ac40	5230	Ant1	36.205
NVNT	ac80	5210	Ant1	75.532
NVNT	n20	5180	Ant1	17.643
NVNT	n20	5200	Ant1	17.657
NVNT	n20	5240	Ant1	17.647
NVNT	n40	5190	Ant1	36.189
NVNT	n40	5230	Ant1	36.247

Test Graphs

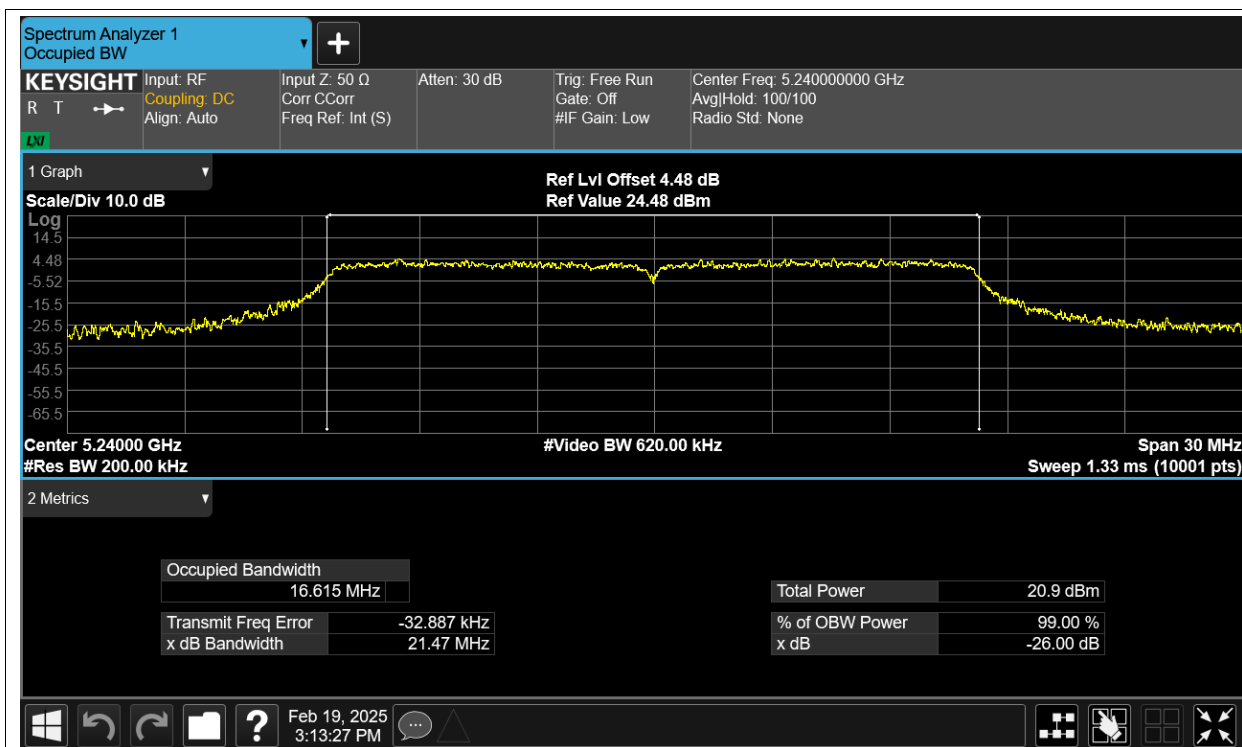
OBW NVNT a 5180MHz Ant1



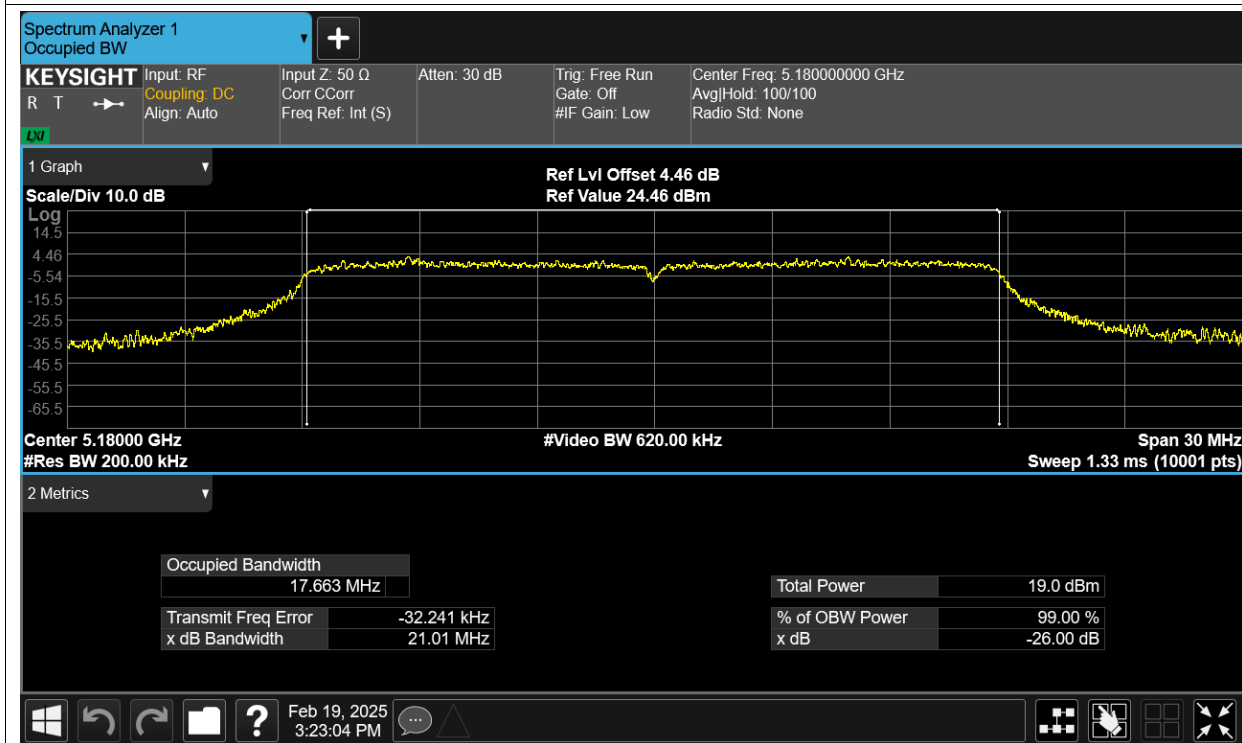
OBW NVNT a 5200MHz Ant1



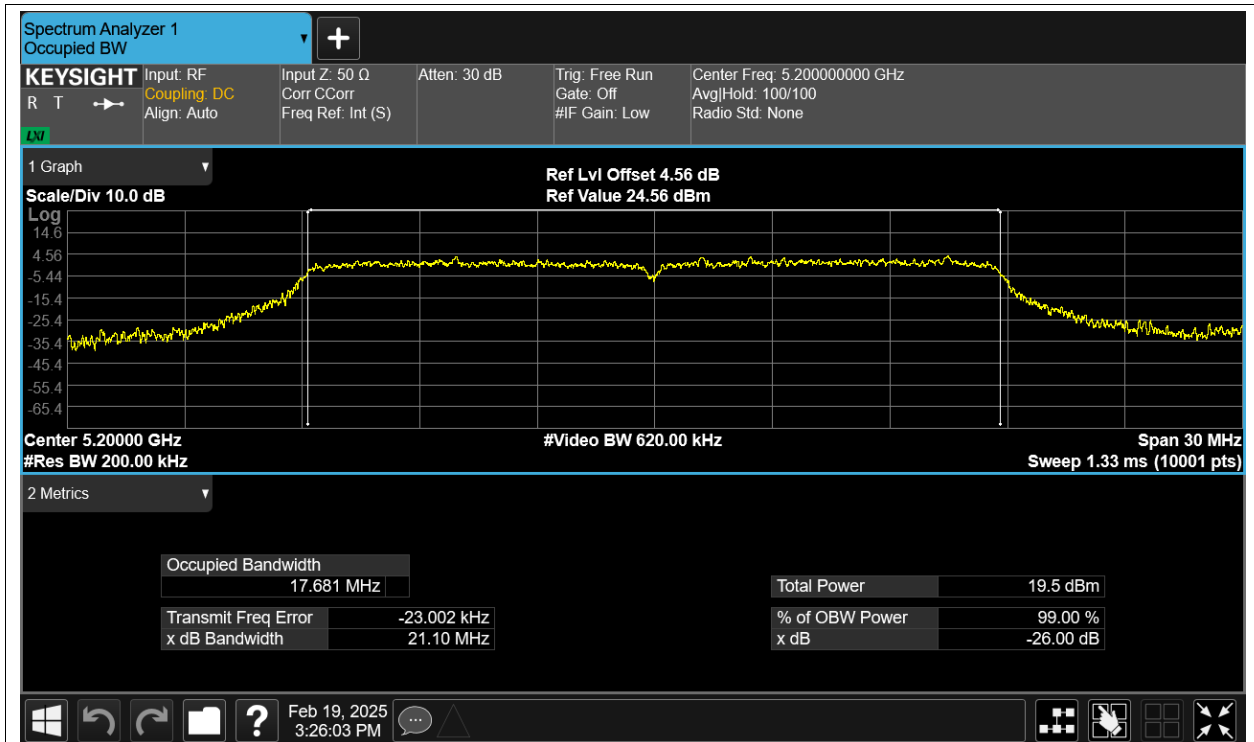
OBW NVNT a 5240MHz Ant1



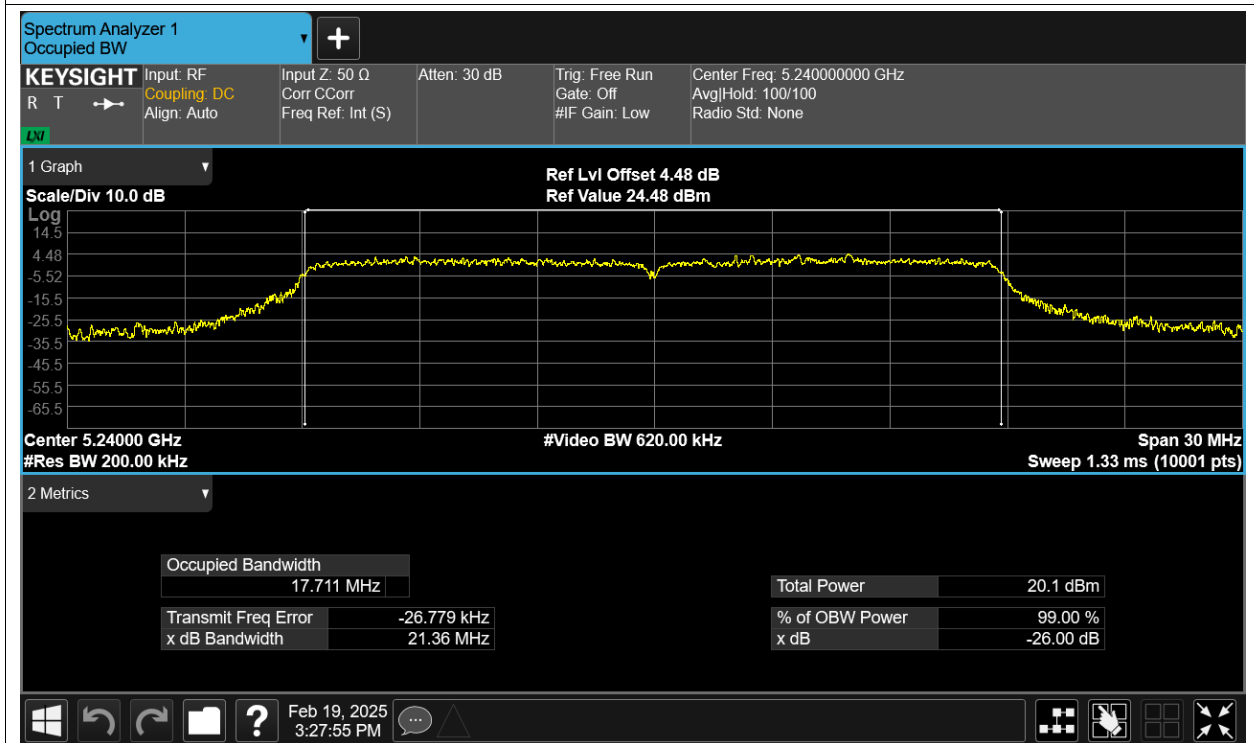
OBW NVNT ac20 5180MHz Ant1



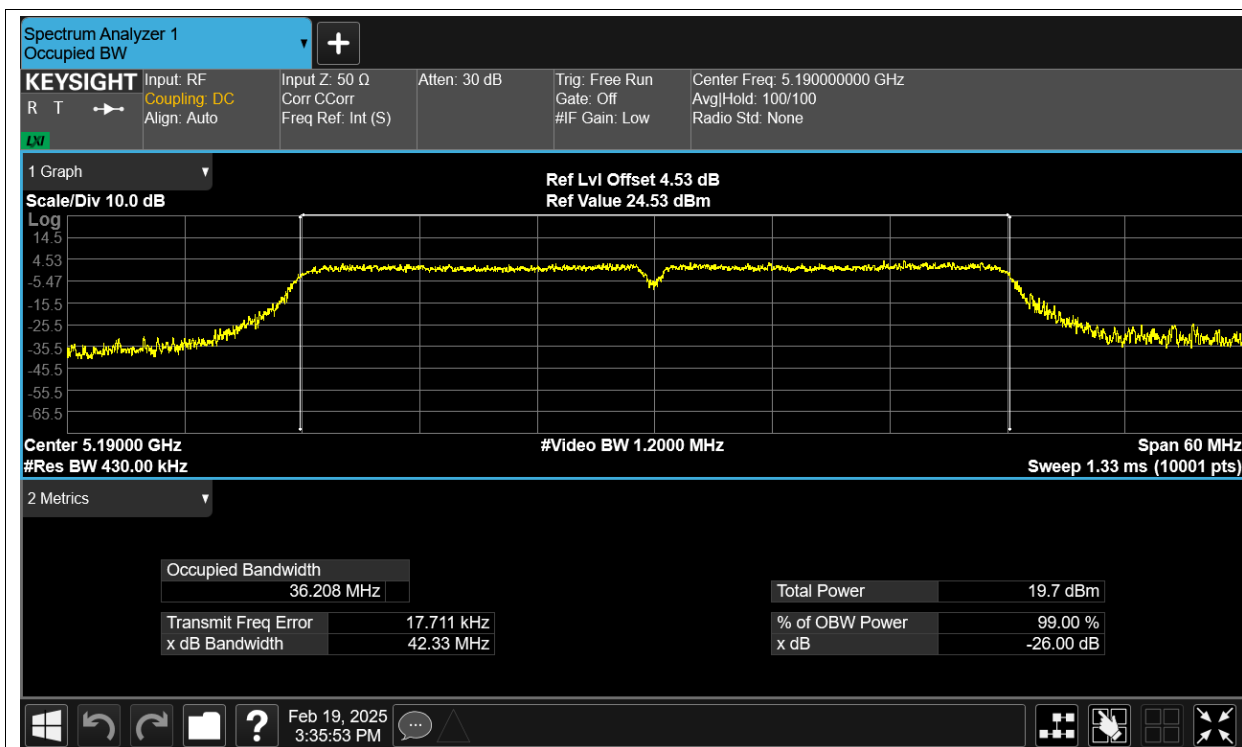
OBW NVNT ac20 5200MHz Ant1



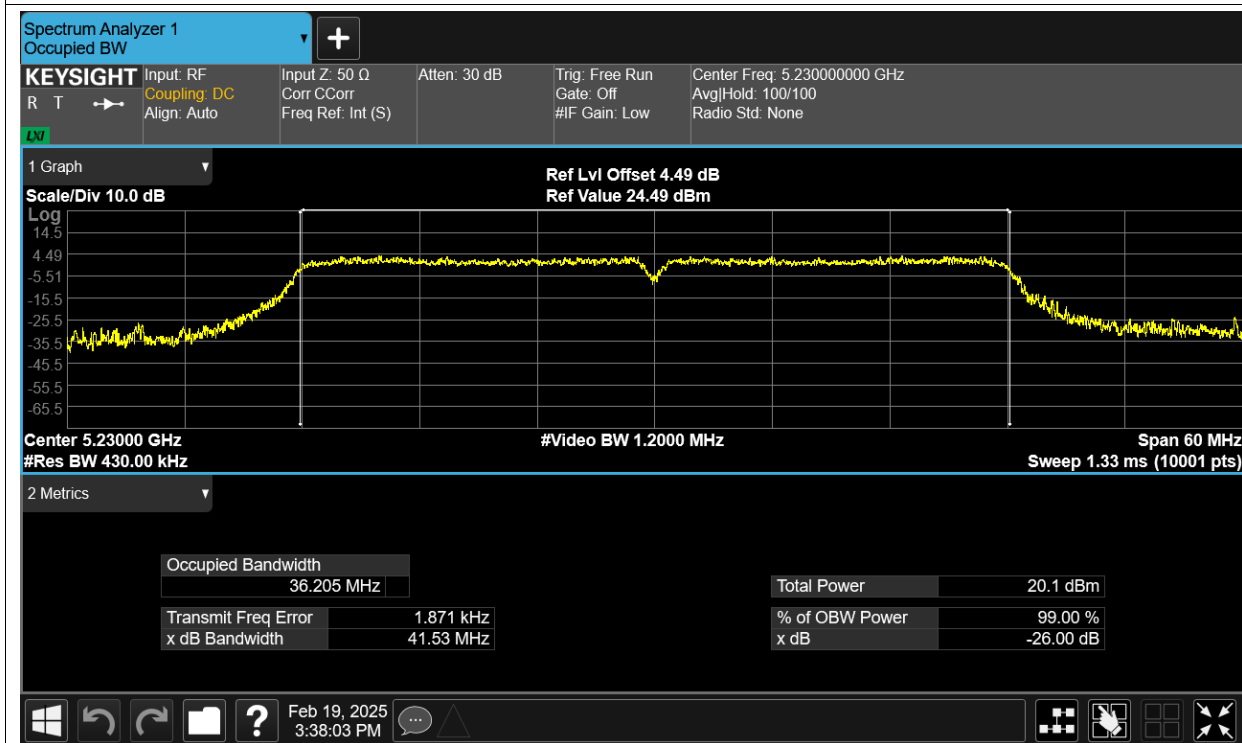
OBW NVNT ac20 5240MHz Ant1



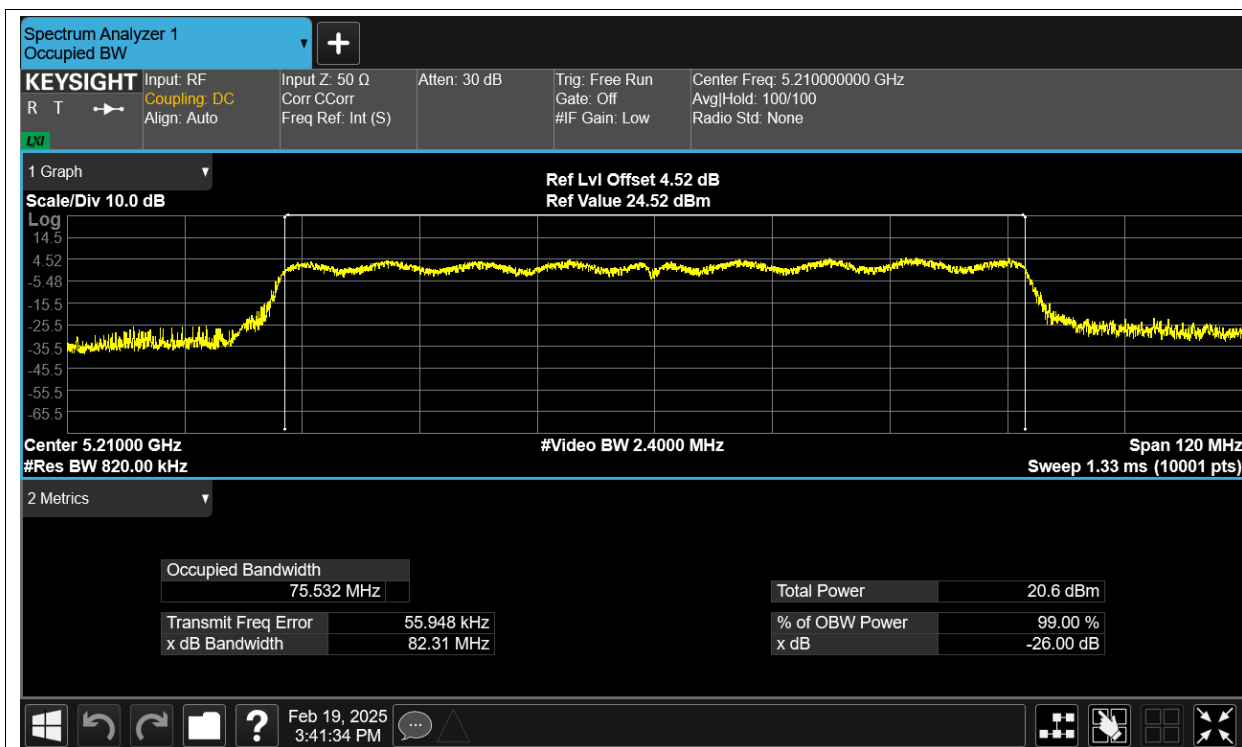
OBW NVNT ac40 5190MHz Ant1



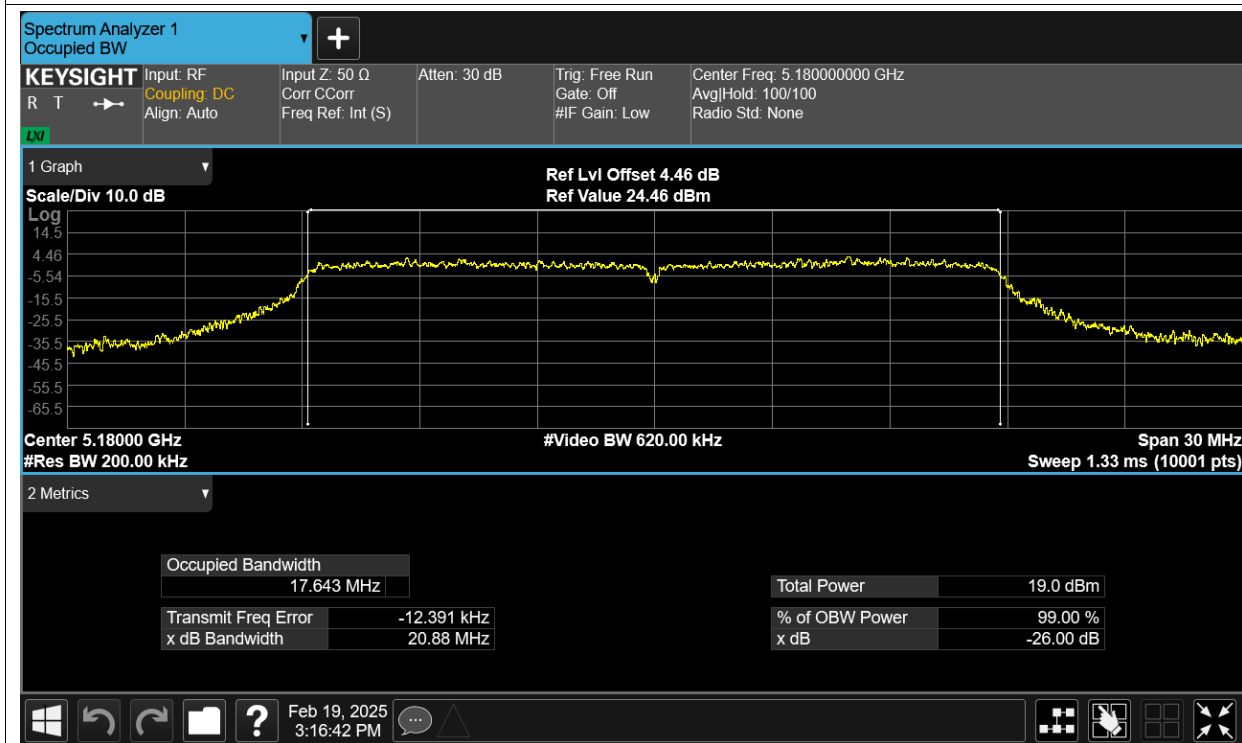
OBW NVNT ac40 5230MHz Ant1



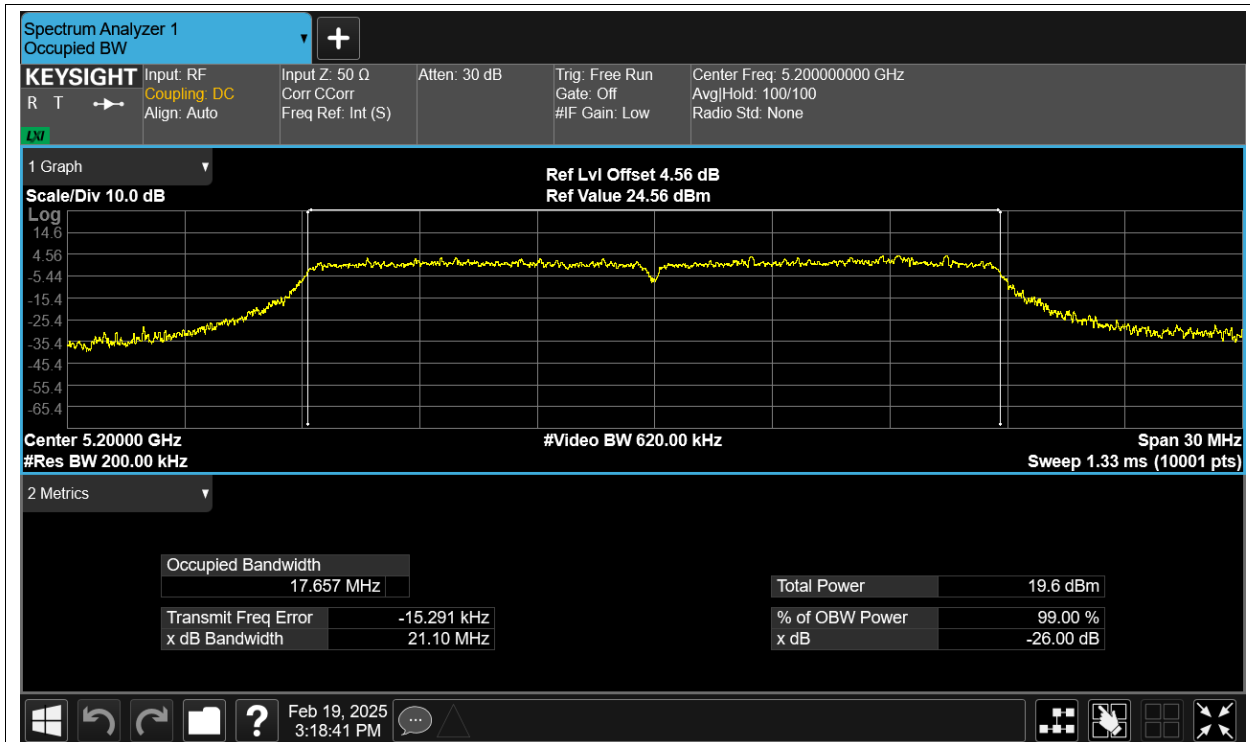
OBW NVNT ac80 5210MHz Ant1



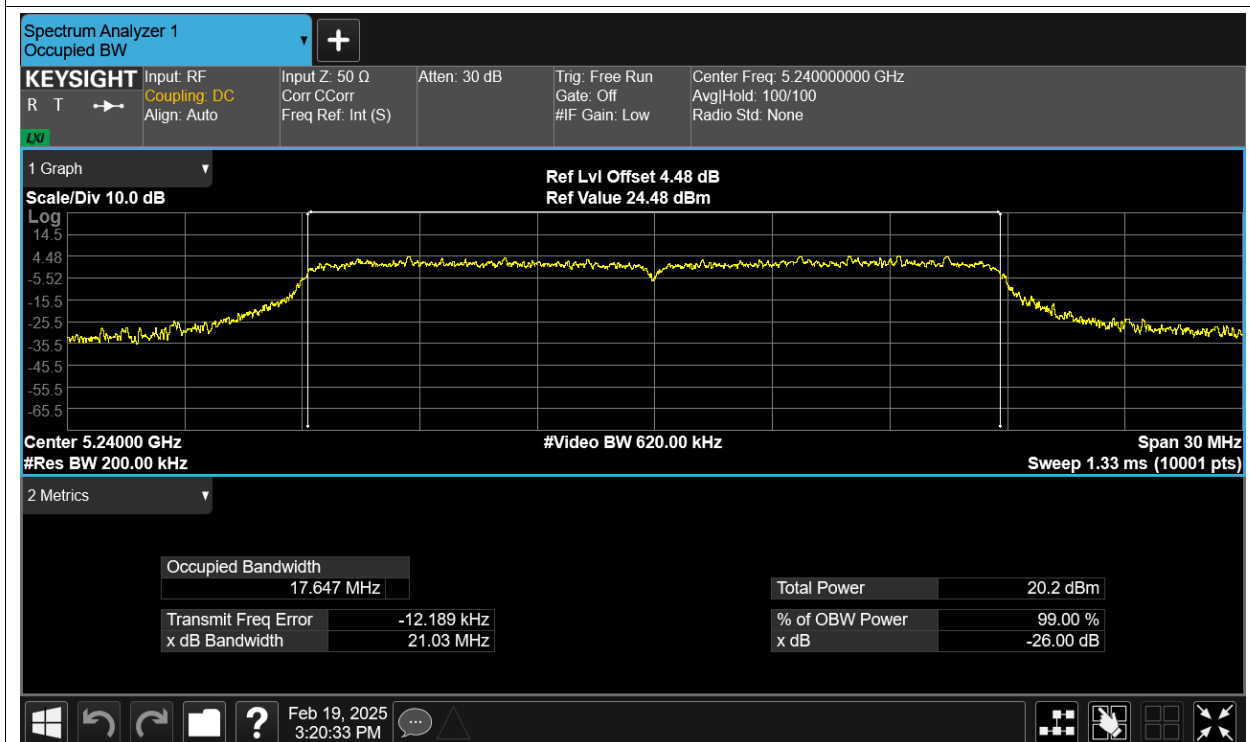
OBW NVNT n20 5180MHz Ant1



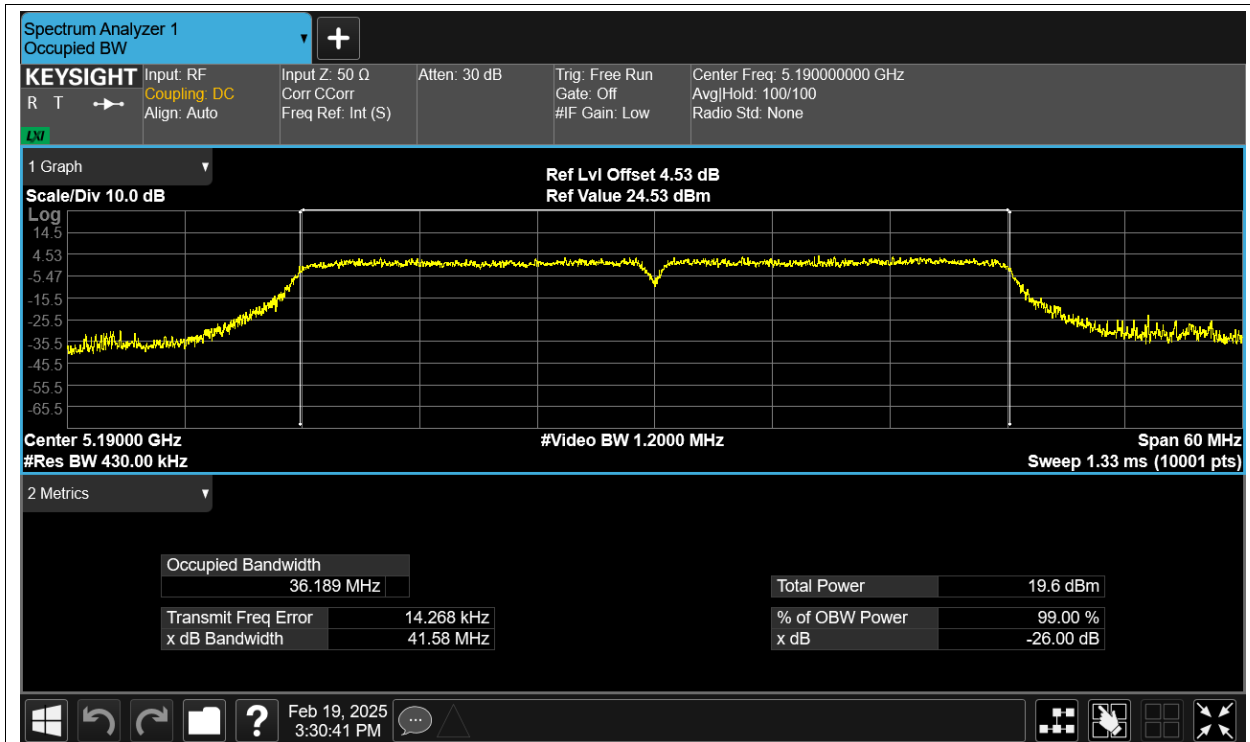
OBW NVNT n20 5200MHz Ant1



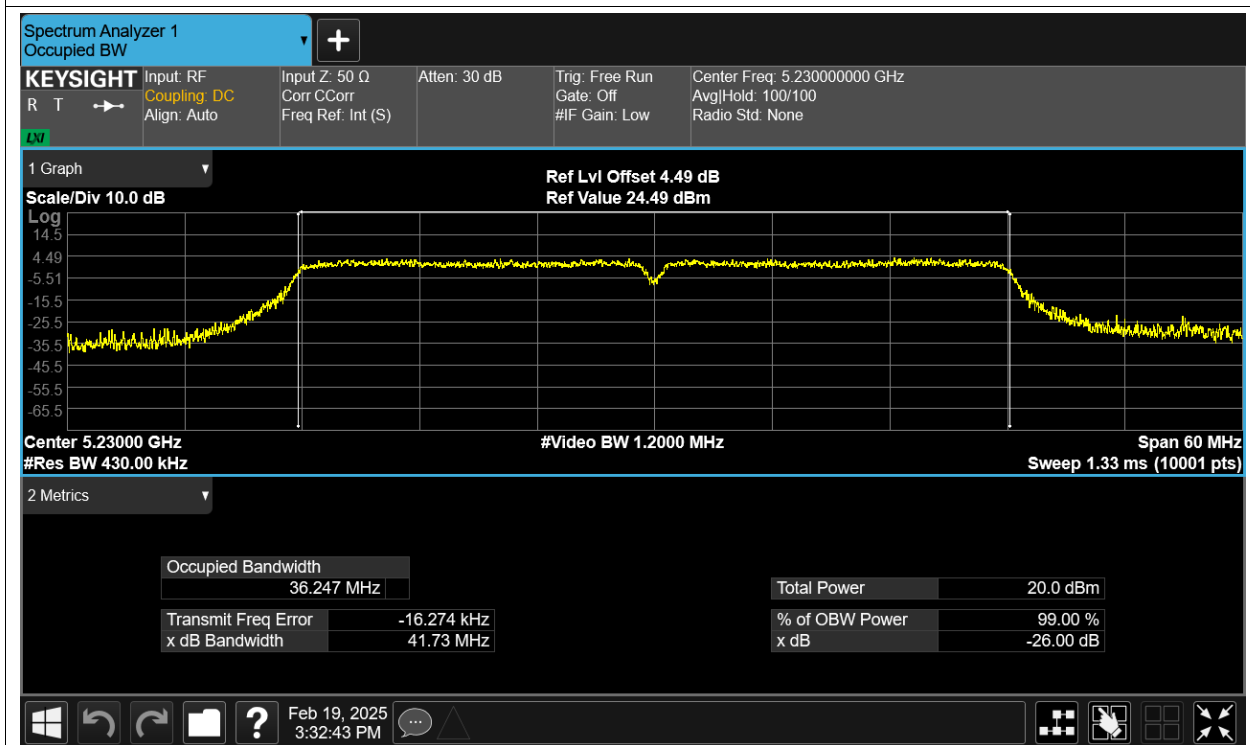
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

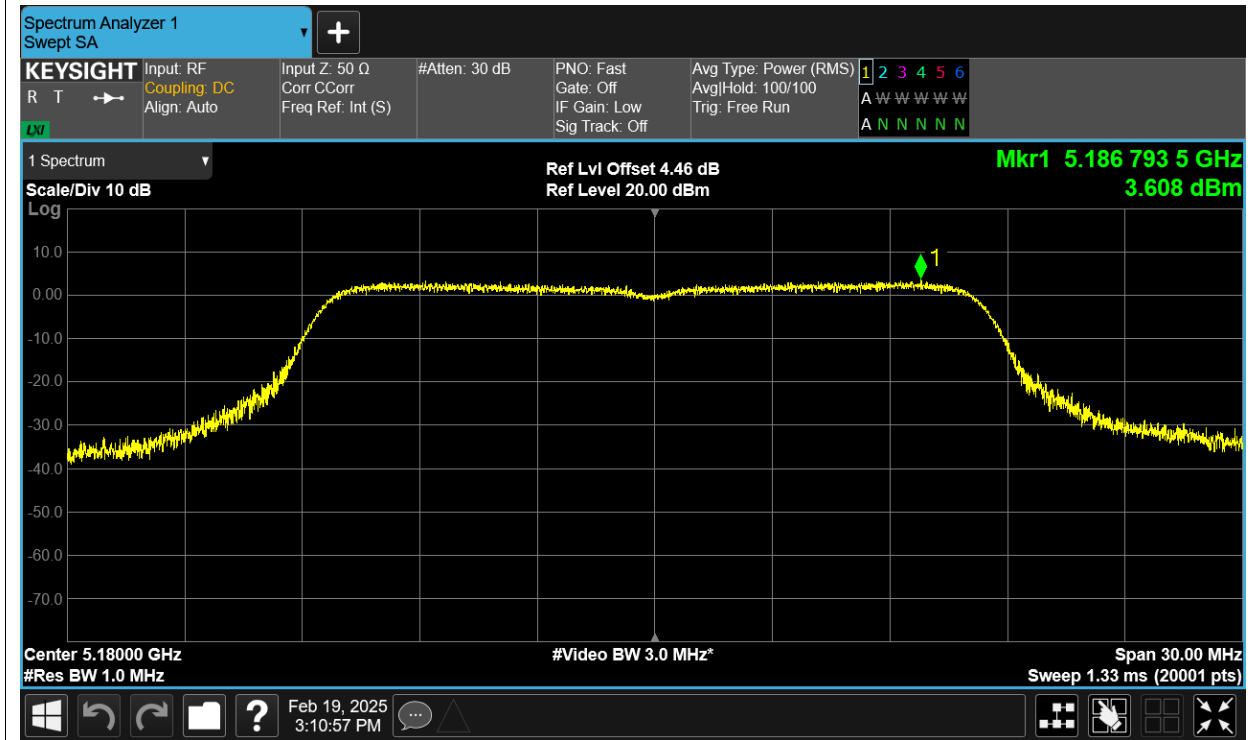


Maximum Power Spectral Density Level

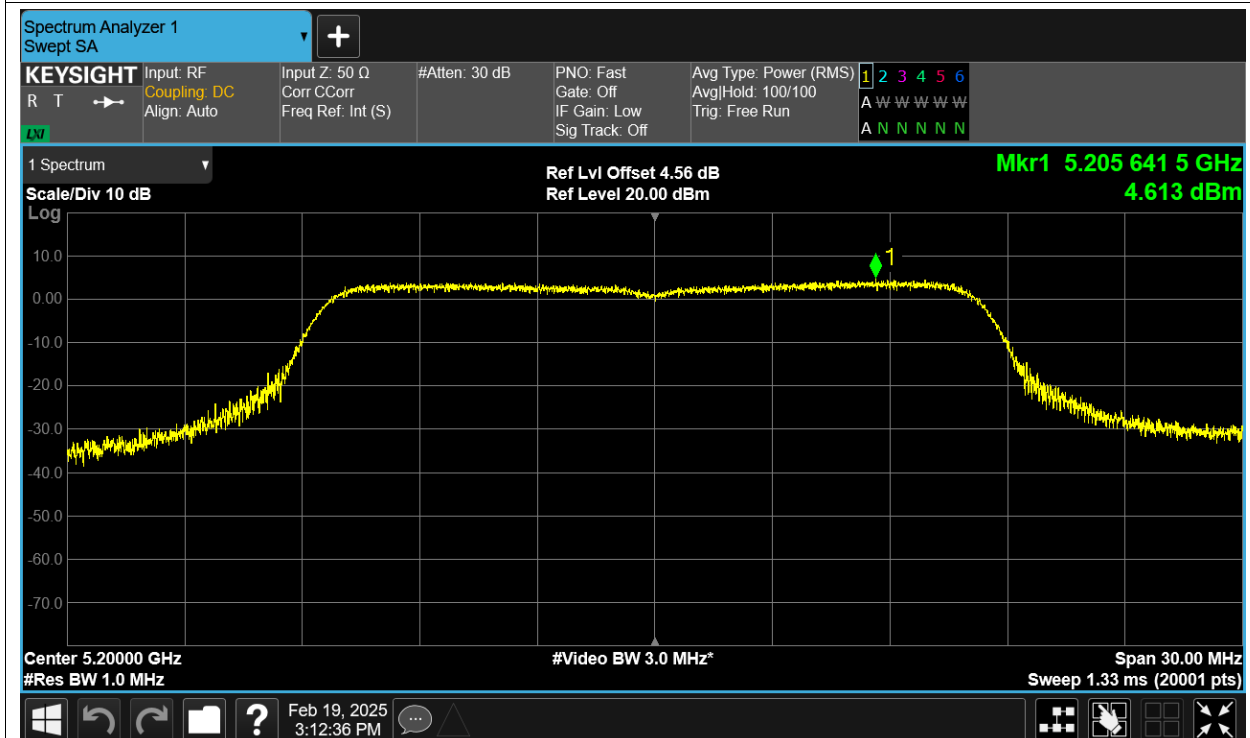
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	3.608	0.2	3.808	11	Pass
NVNT	a	5200	Ant1	4.613	0.18	4.793	11	Pass
NVNT	a	5240	Ant1	4.765	0.2	4.965	11	Pass
NVNT	ac20	5180	Ant1	2.313	0.21	2.523	11	Pass
NVNT	ac20	5200	Ant1	3.306	0.2	3.506	11	Pass
NVNT	ac20	5240	Ant1	4.08	0.25	4.33	11	Pass
NVNT	ac40	5190	Ant1	-0.085	0.2	0.115	11	Pass
NVNT	ac40	5230	Ant1	0.274	0.21	0.484	11	Pass
NVNT	ac80	5210	Ant1	-2.263	0.19	-2.073	11	Pass
NVNT	n20	5180	Ant1	2.69	0.19	2.88	11	Pass
NVNT	n20	5200	Ant1	3.493	0.21	3.703	11	Pass
NVNT	n20	5240	Ant1	3.82	0.21	4.03	11	Pass
NVNT	n40	5190	Ant1	0.102	0.21	0.312	11	Pass
NVNT	n40	5230	Ant1	0.232	0.21	0.442	11	Pass

Test Graphs

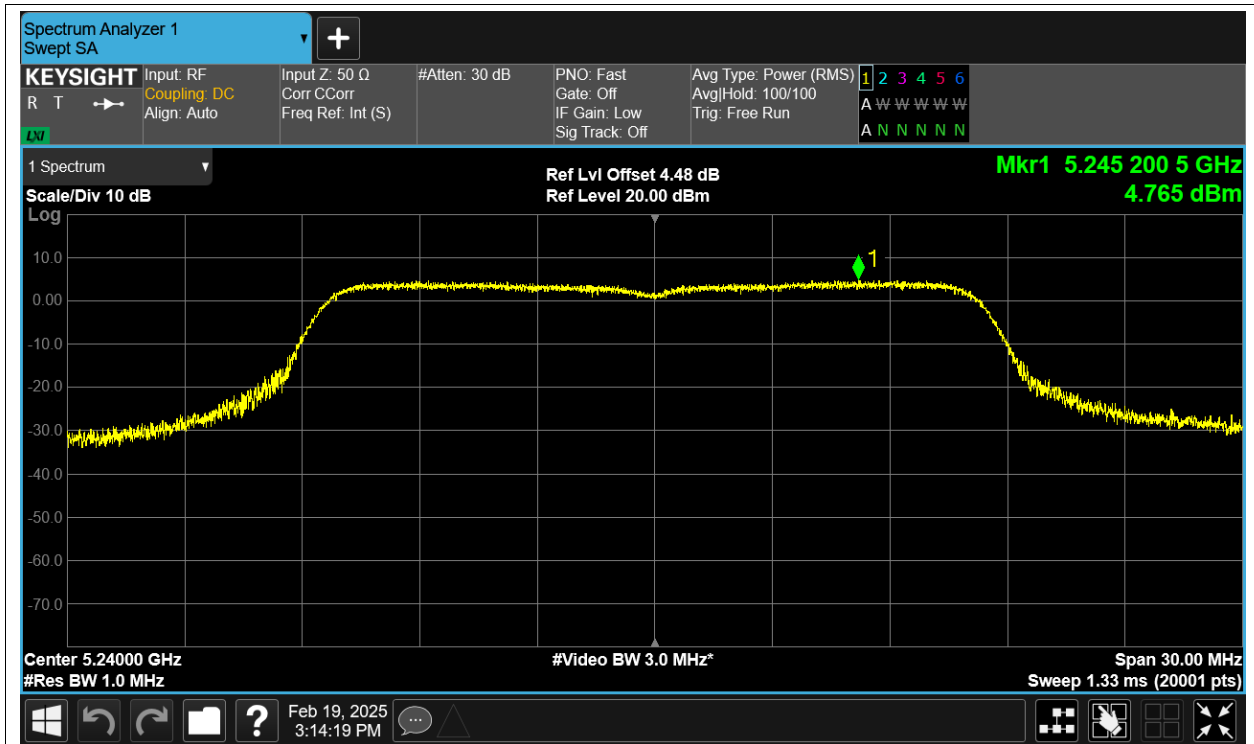
PSD NVNT a 5180MHz Ant1



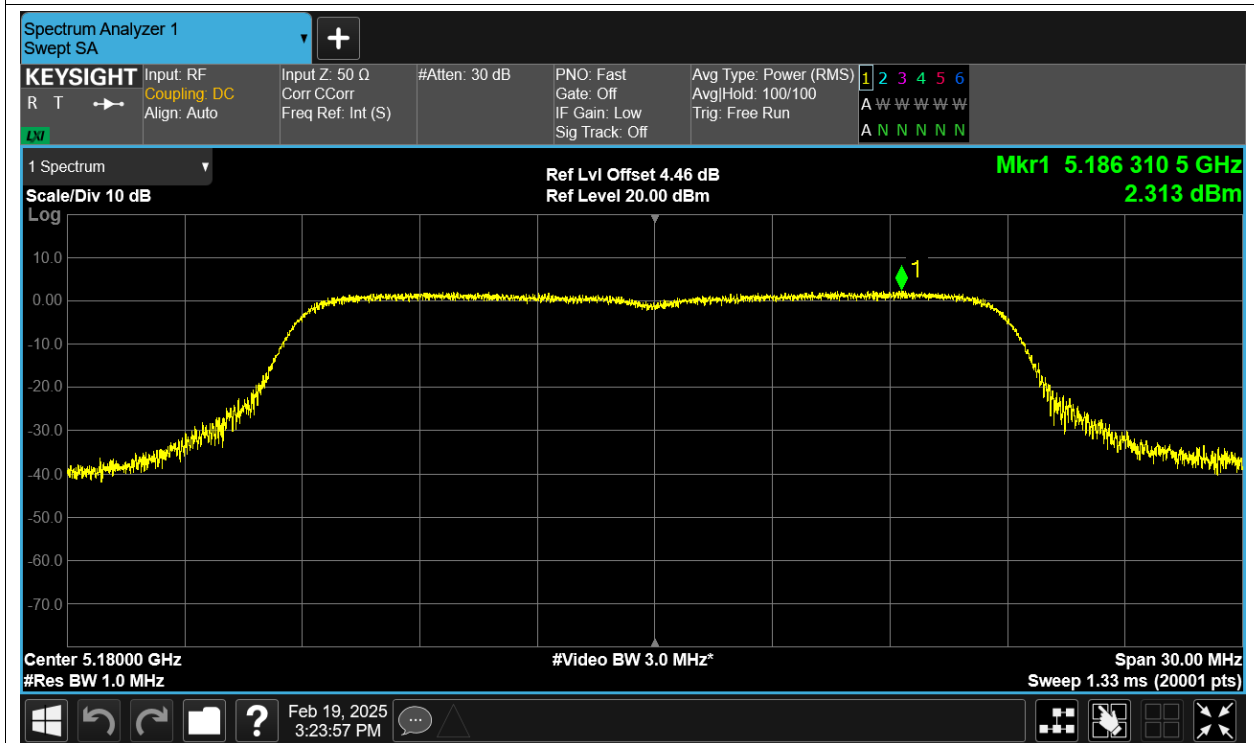
PSD NVNT a 5200MHz Ant1



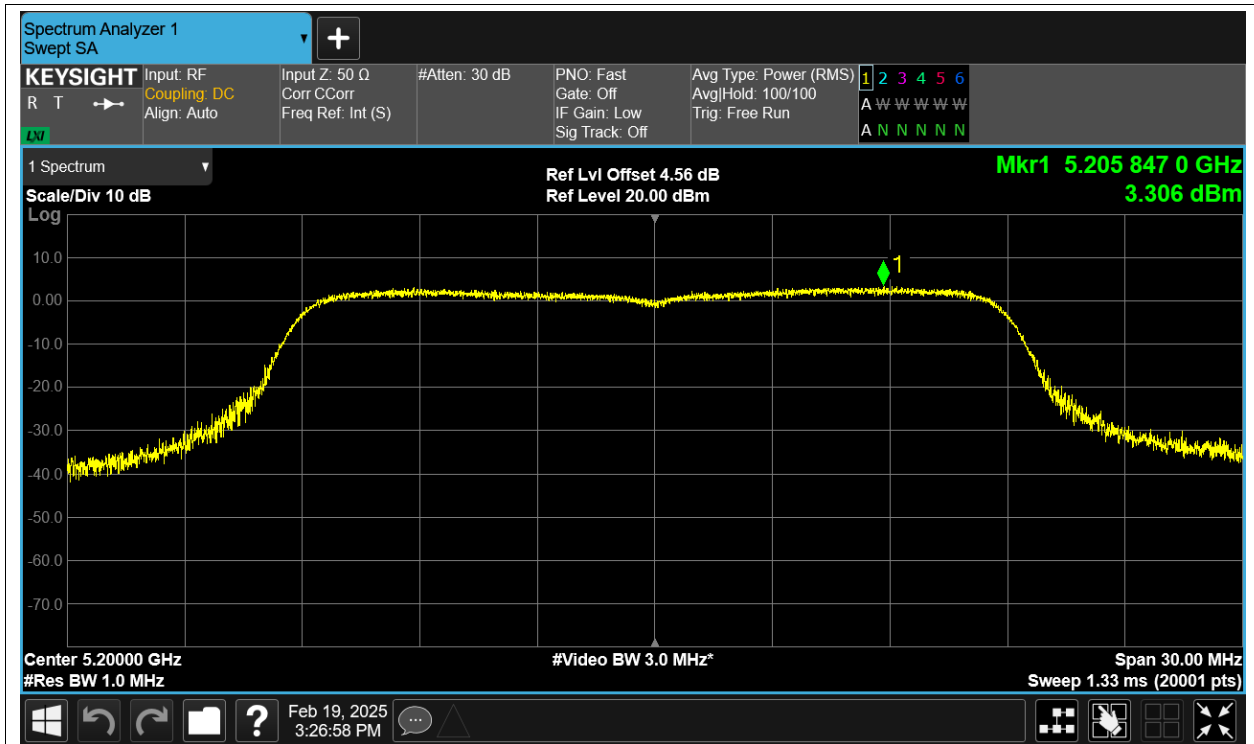
PSD NVNT a 5240MHz Ant1



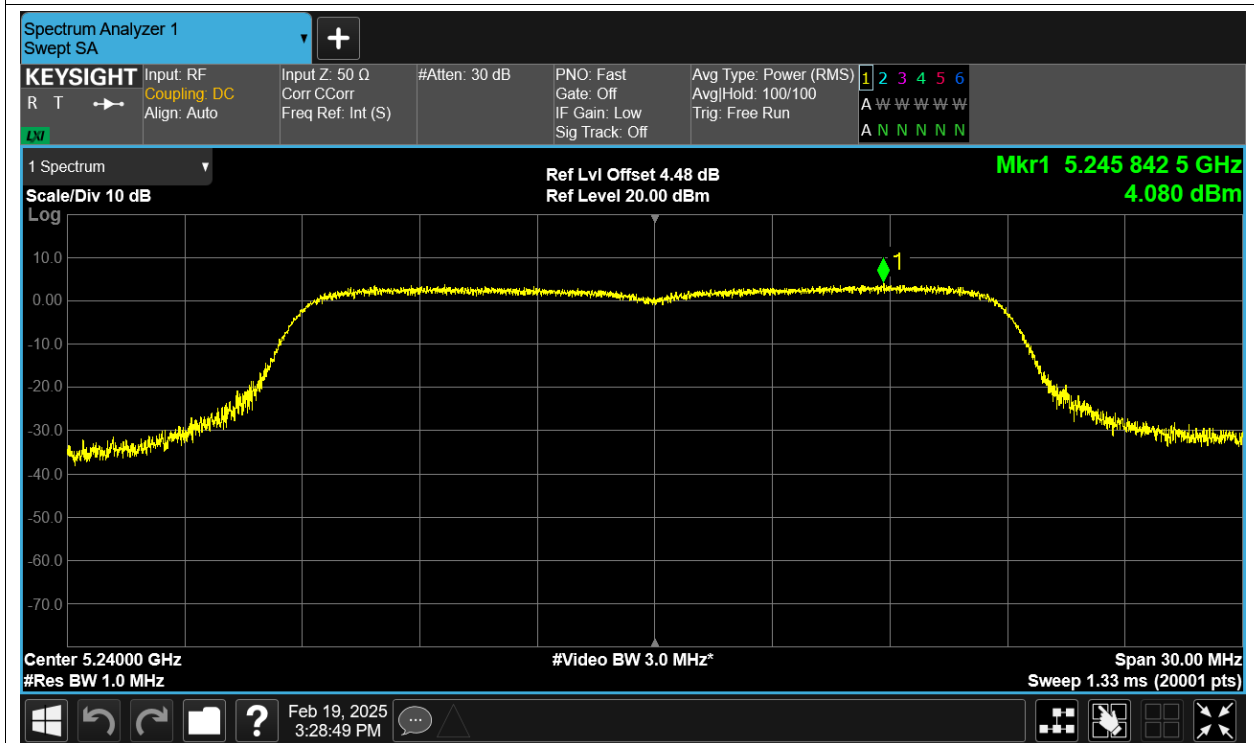
PSD NVNT ac20 5180MHz Ant1



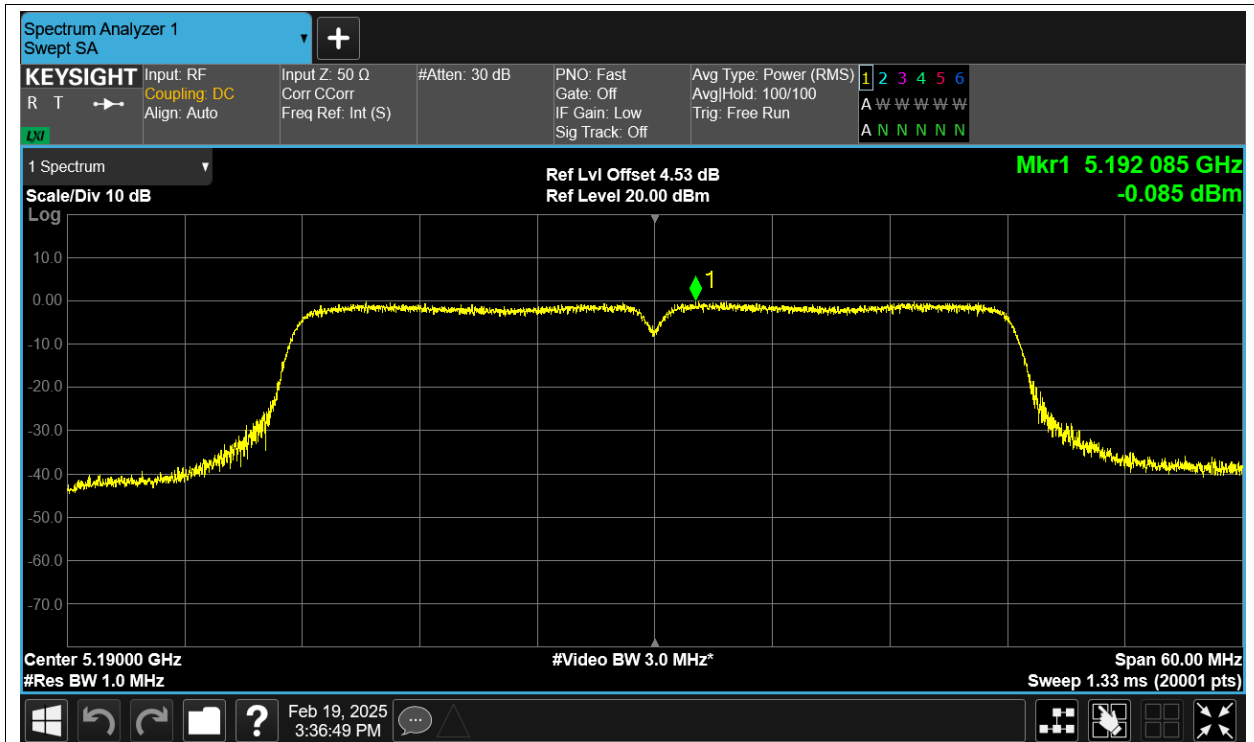
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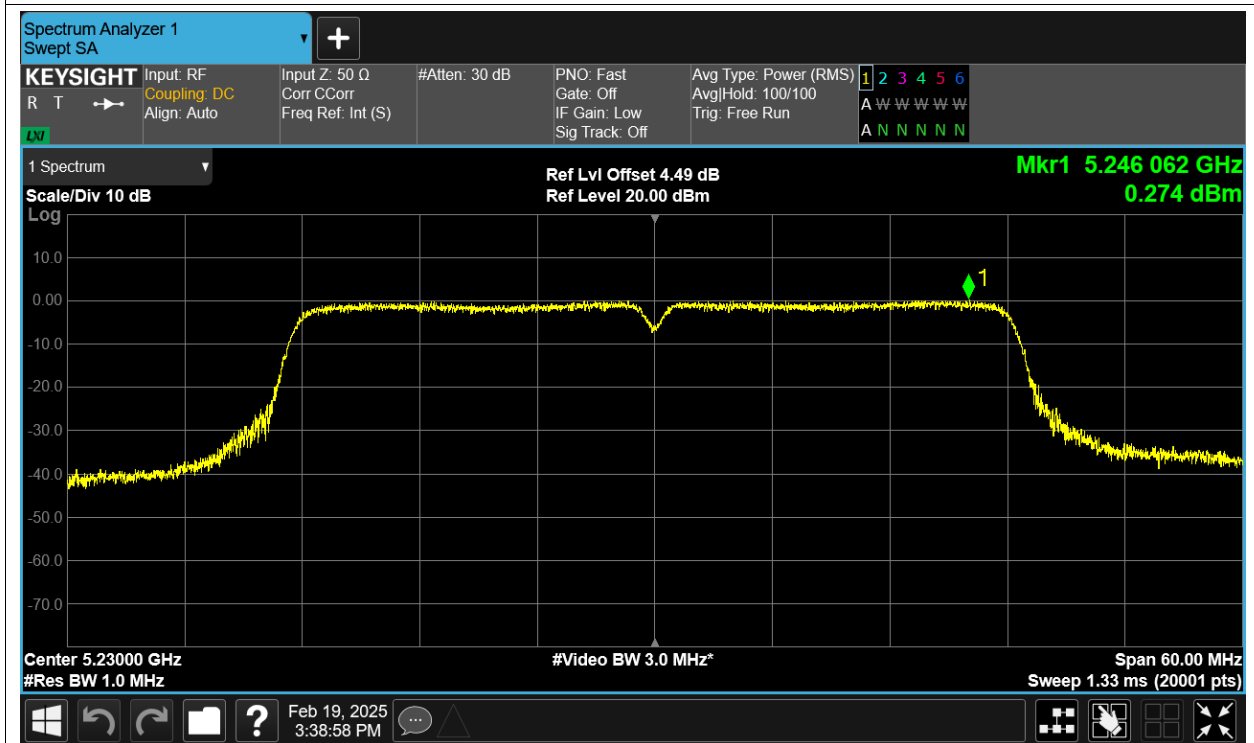
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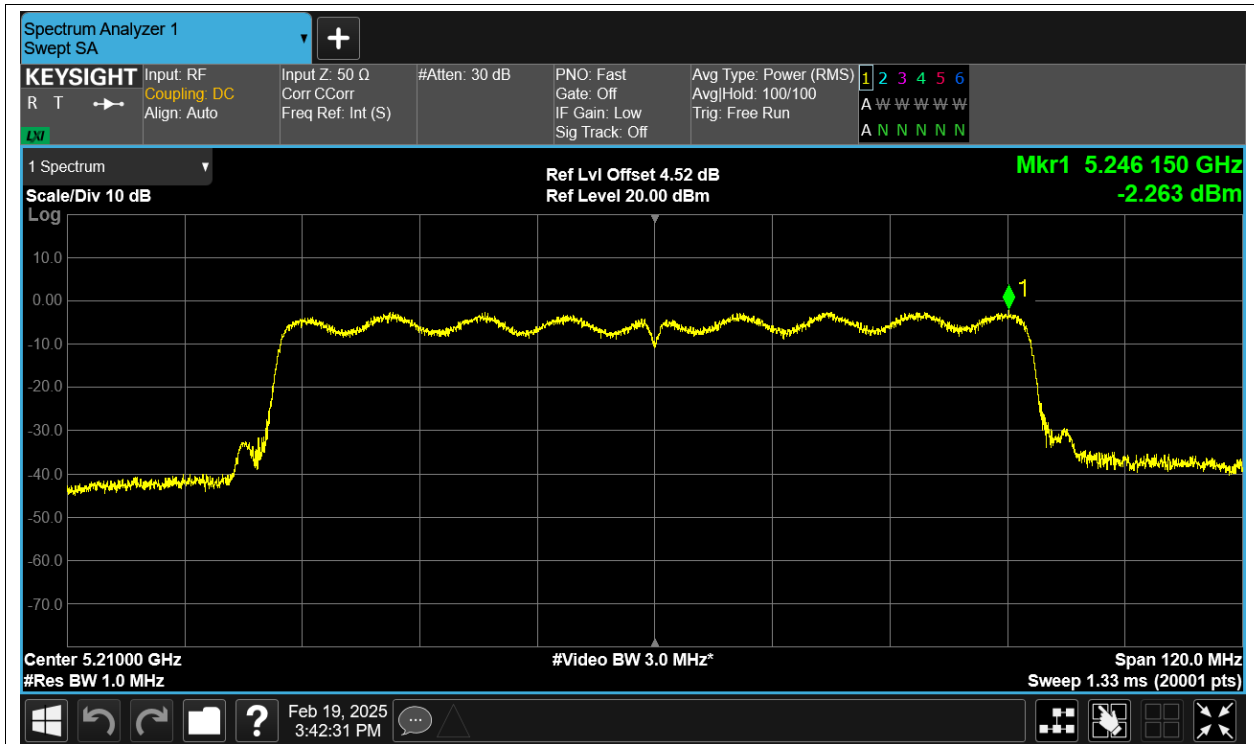
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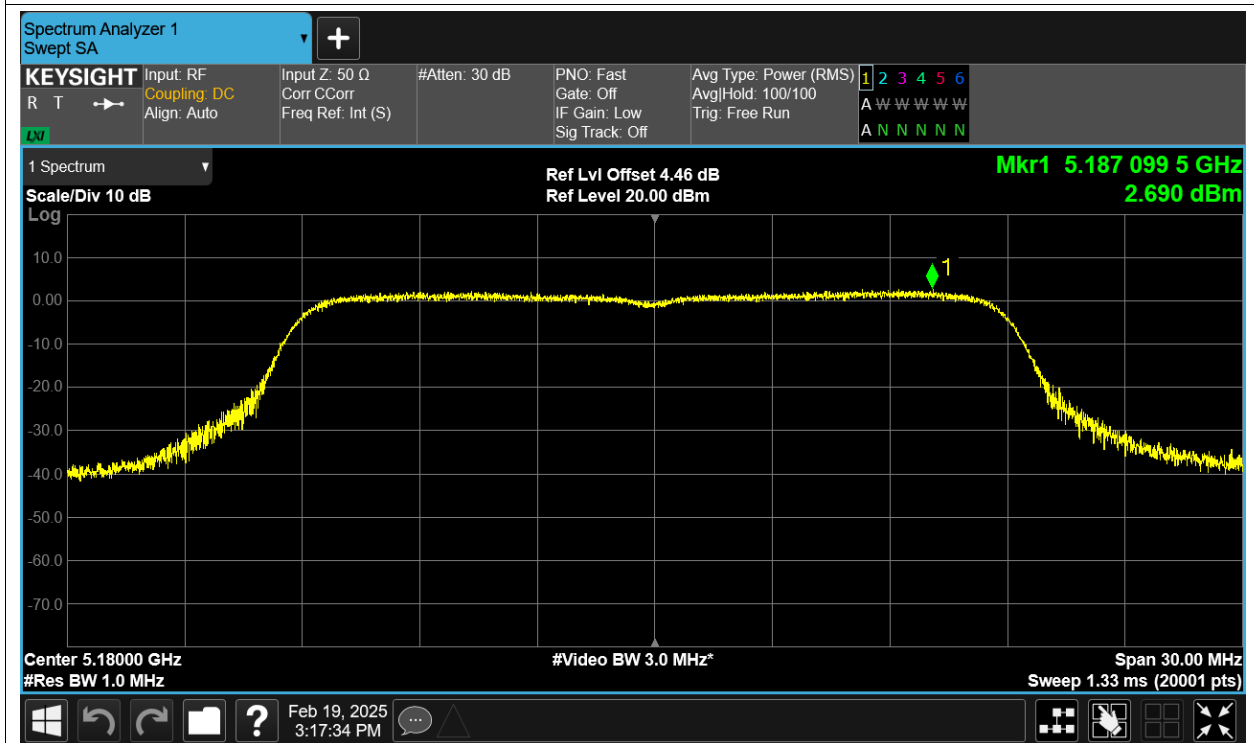
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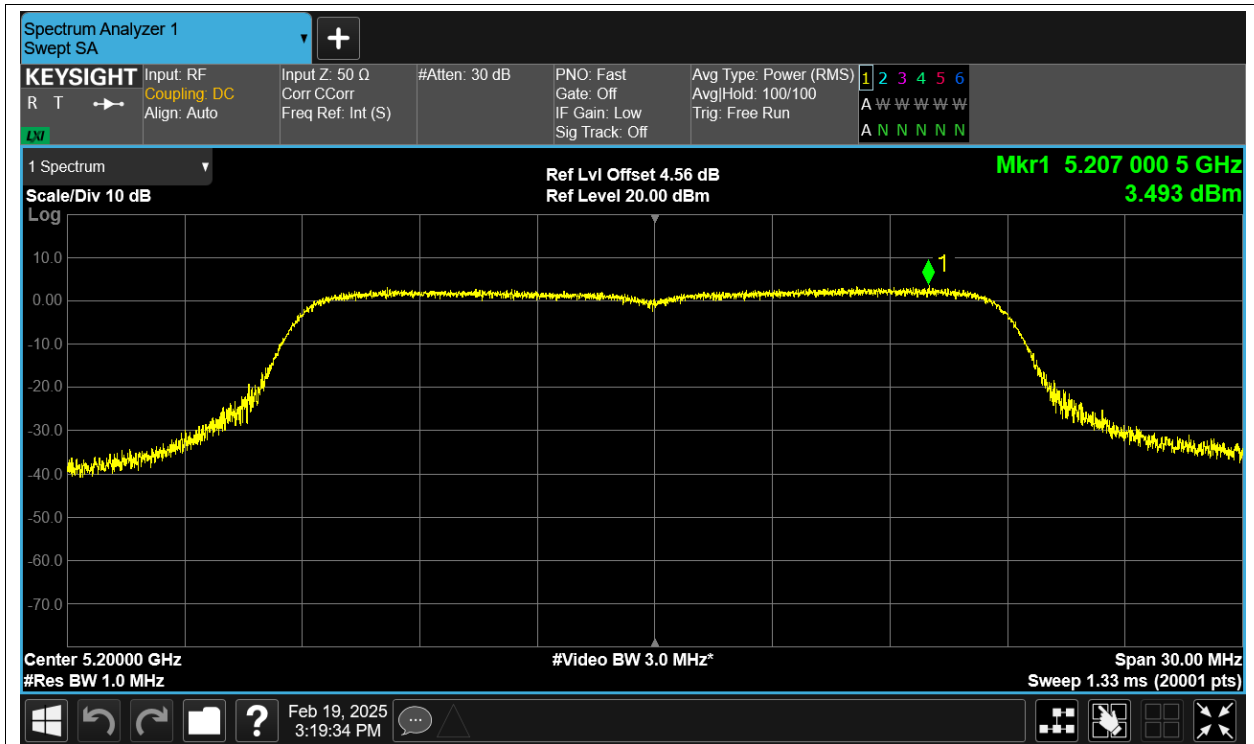
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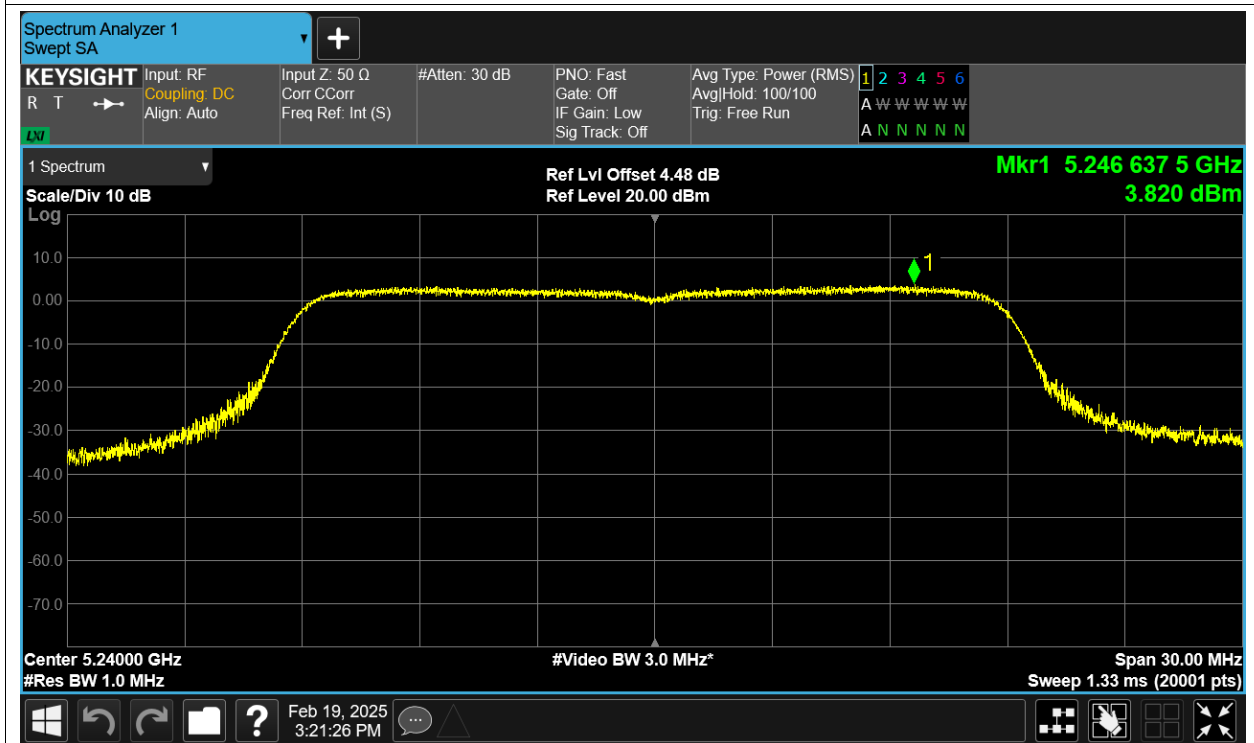
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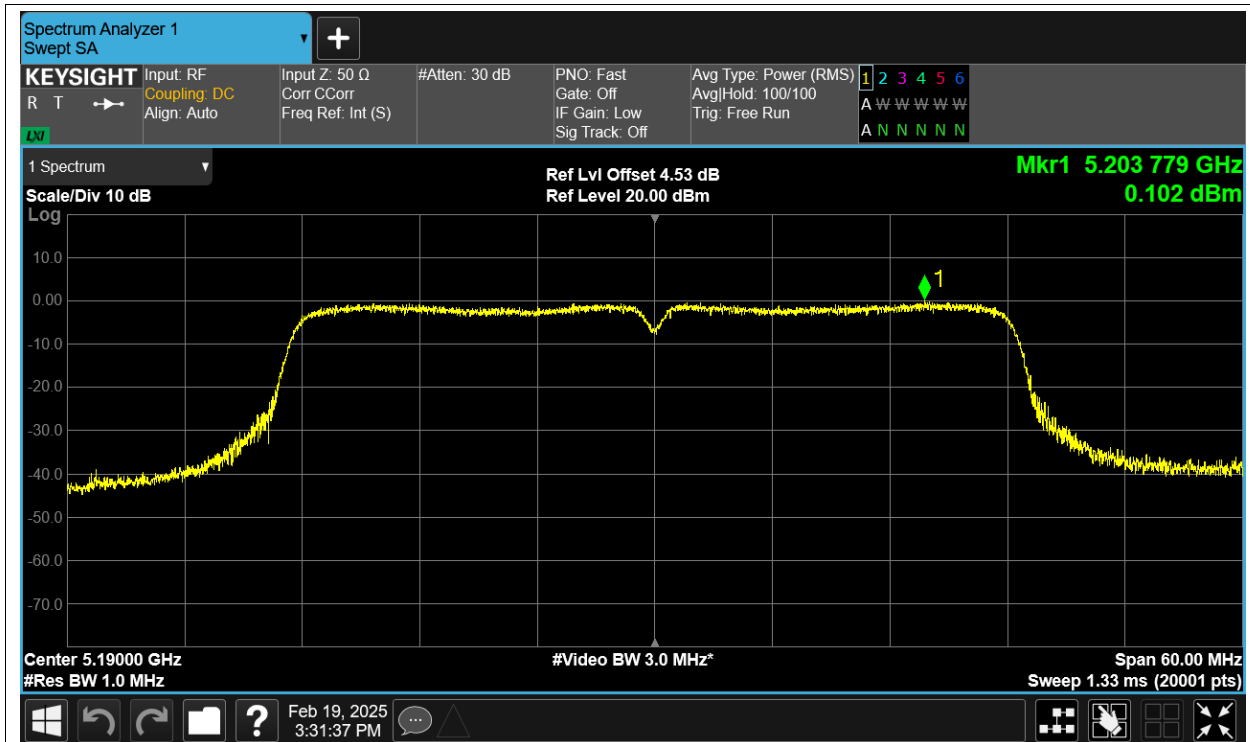
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

