

Test Data

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.976	-4.63	25	Pass
LVNT	a	5180	Ant1	5179.976	-4.63	25	Pass
NVHT	a	5180	Ant1	5179.976	-4.63	25	Pass
NVLT	a	5180	Ant1	5179.976	-4.63	25	Pass
NVNT	a	5180	Ant1	5179.9765	-4.54	25	Pass
HVNT	n40	5190	Ant1	5189.9755	-4.72	25	Pass
LVNT	n40	5190	Ant1	5189.9755	-4.72	25	Pass
NVHT	n40	5190	Ant1	5189.9755	-4.72	25	Pass
NVLT	n40	5190	Ant1	5189.9755	-4.72	25	Pass
NVNT	n40	5190	Ant1	5189.9755	-4.72	25	Pass

Test Graphs

Freq. Stability HVNT a 5180MHz Ant1



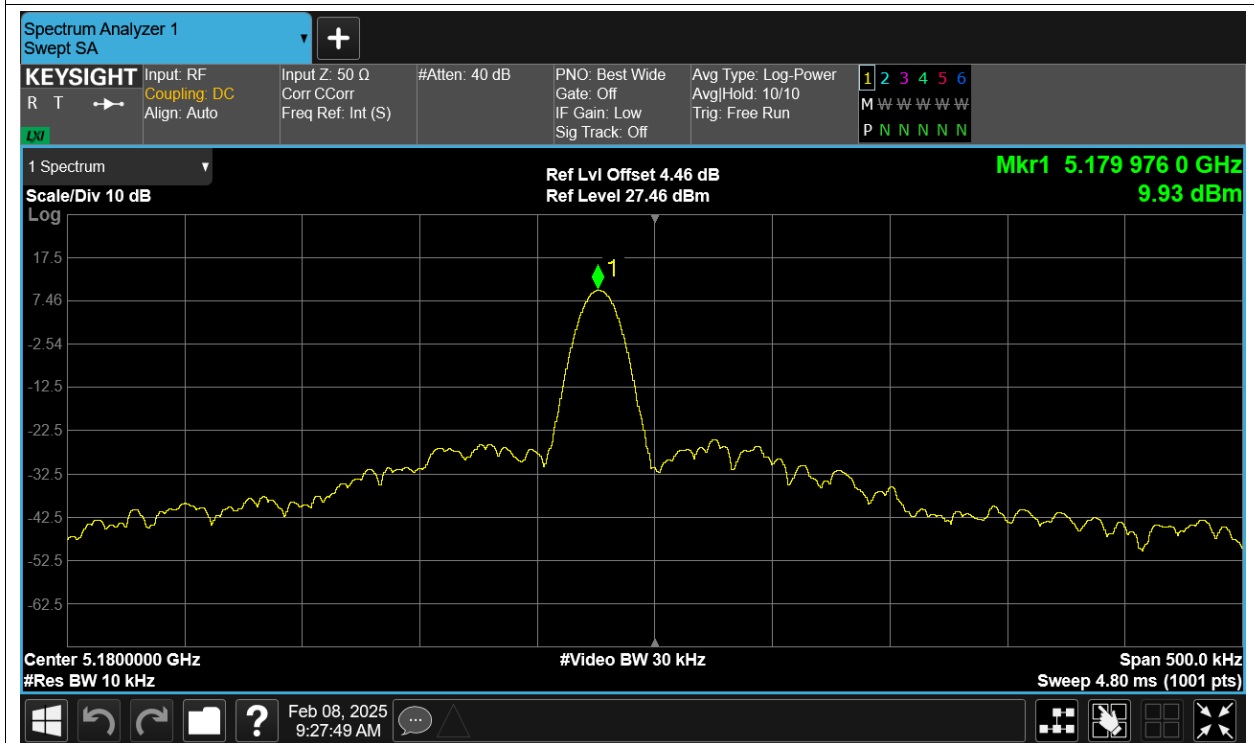
Freq. Stability LVNT a 5180MHz Ant1



Freq. Stability NVHT a 5180MHz Ant1



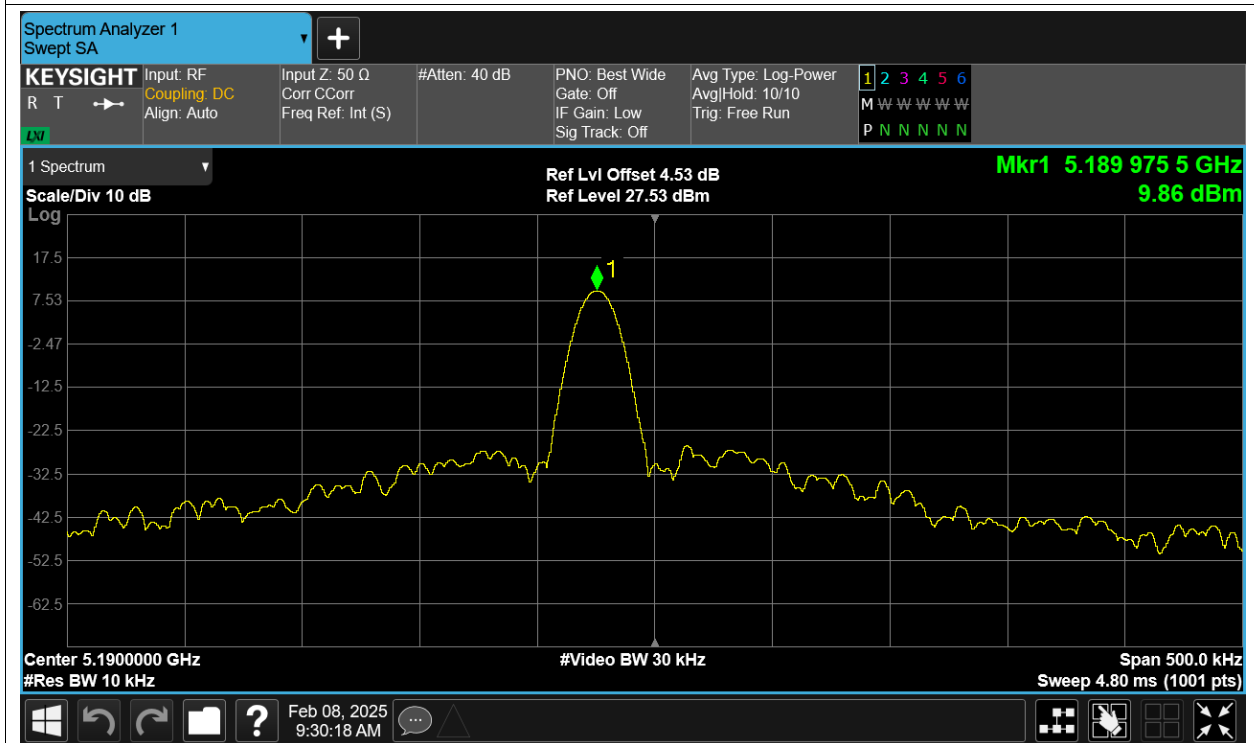
Freq. Stability NVLT a 5180MHz Ant1



Freq. Stability NVNT a 5180MHz Ant1



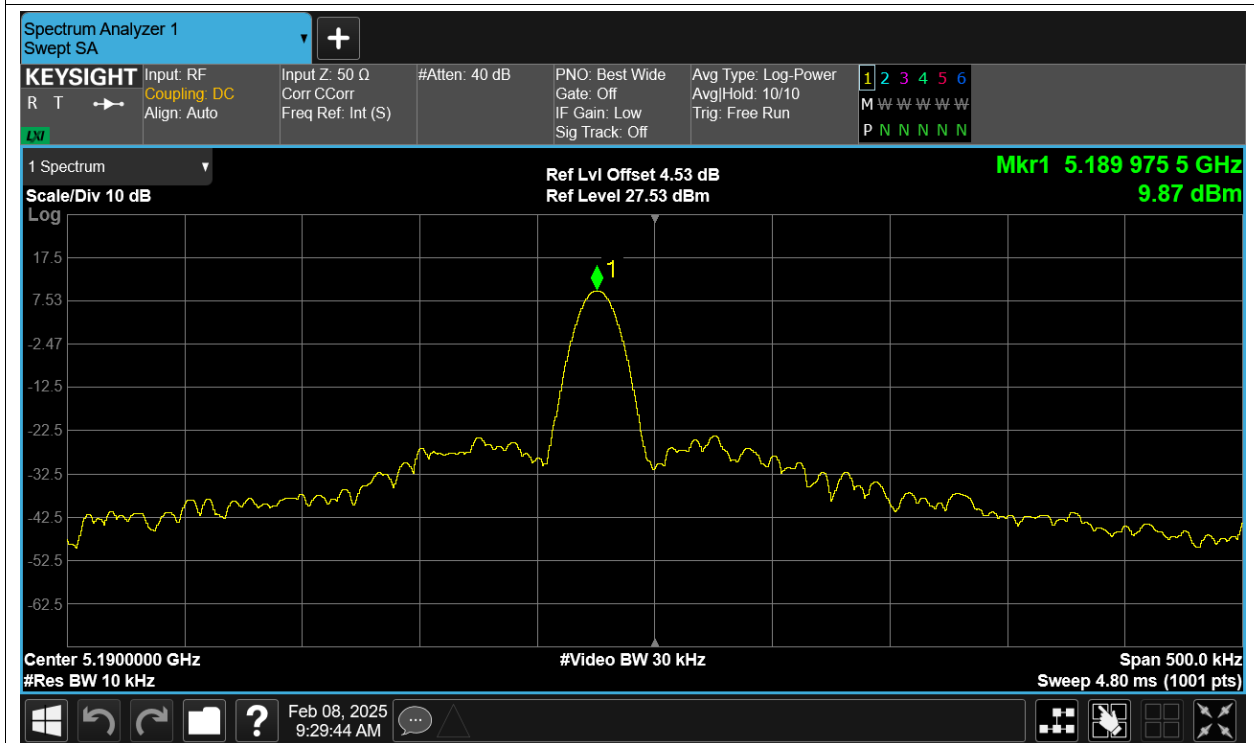
Freq. Stability HVNT n40 5190MHz Ant1



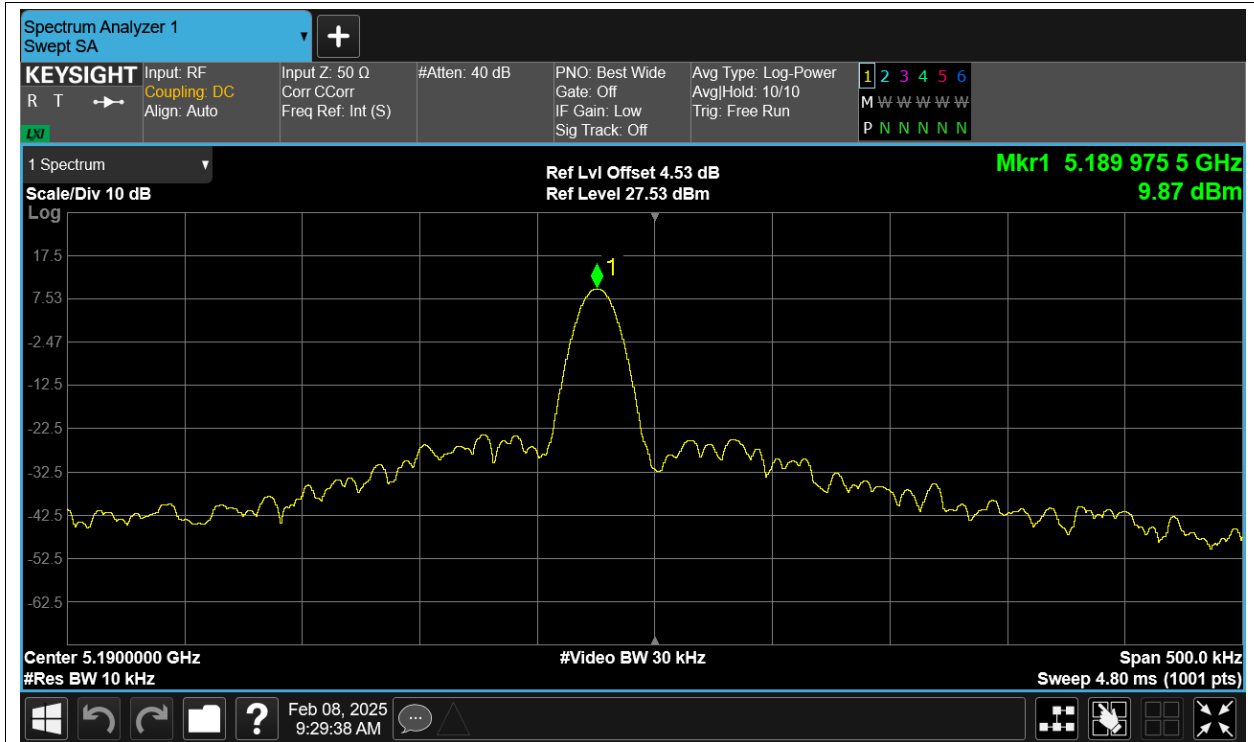
Freq. Stability LVNT n40 5190MHz Ant1



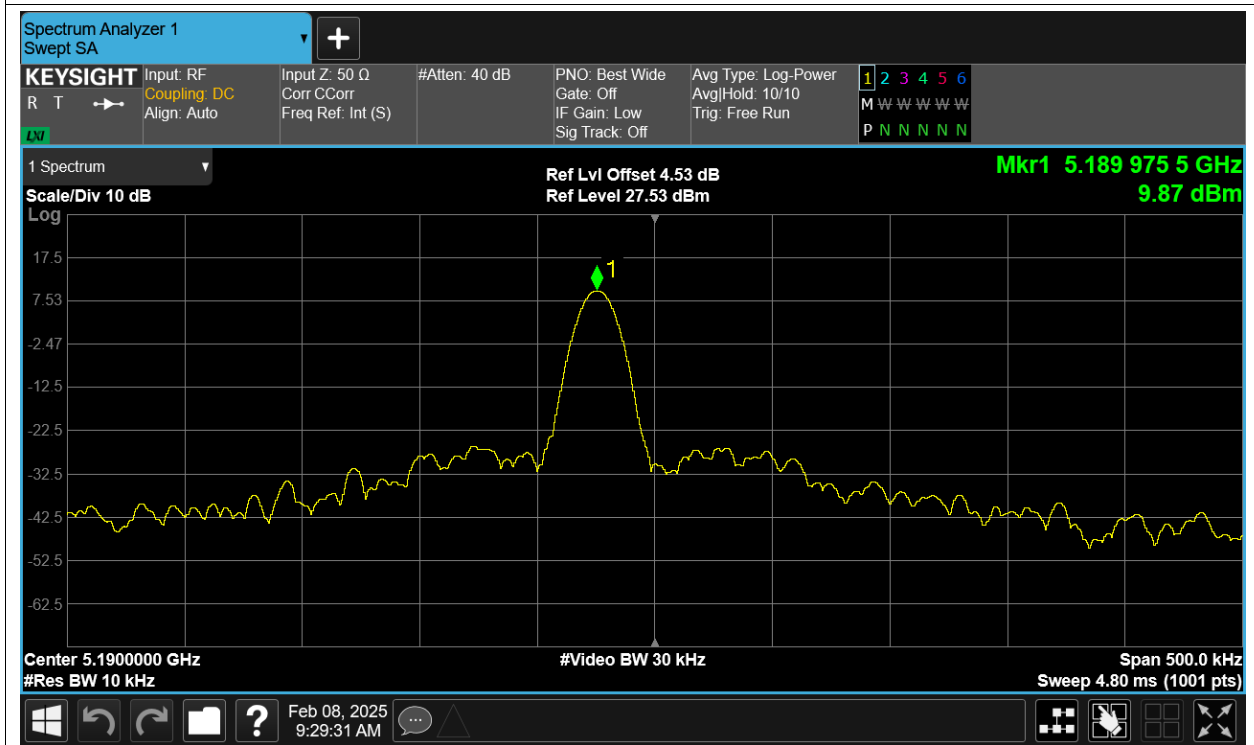
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



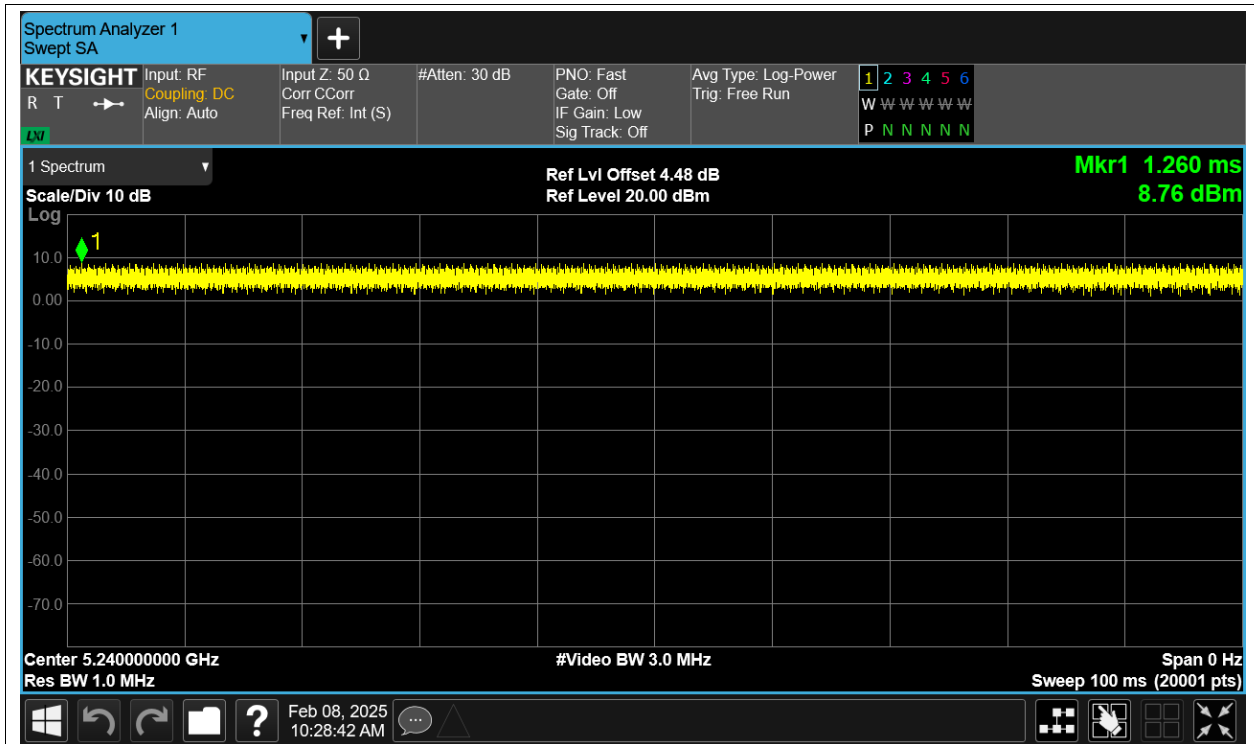
Freq. Stability NVNT n40 5190MHz Ant1



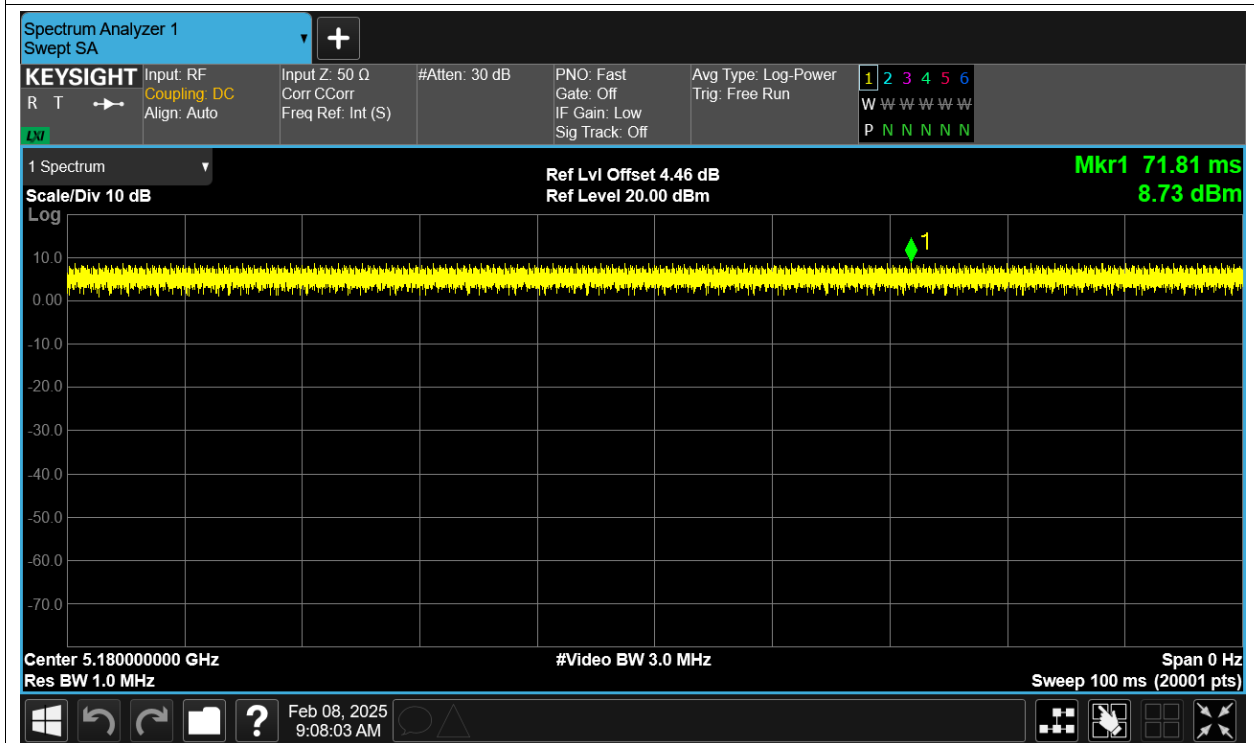
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
HVNT	ac20	5180	Ant1	100	0
HVNT	ac20	5200	Ant1	100	0
HVNT	ac20	5240	Ant1	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
HVNT	ac40	5190	Ant1	100	0
HVNT	ac40	5230	Ant1	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
HVNT	n20	5180	Ant1	100	0
HVNT	n20	5200	Ant1	99.09	0.04
HVNT	n20	5240	Ant1	100	0
NVNT	n20	5180	Ant1	100	0
NVNT	n20	5200	Ant1	100	0
NVNT	n20	5240	Ant1	100	0
HVNT	n40	5190	Ant1	100	0
HVNT	n40	5230	Ant1	100	0
NVNT	n40	5190	Ant1	100	0
NVNT	n40	5230	Ant1	100	0
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0

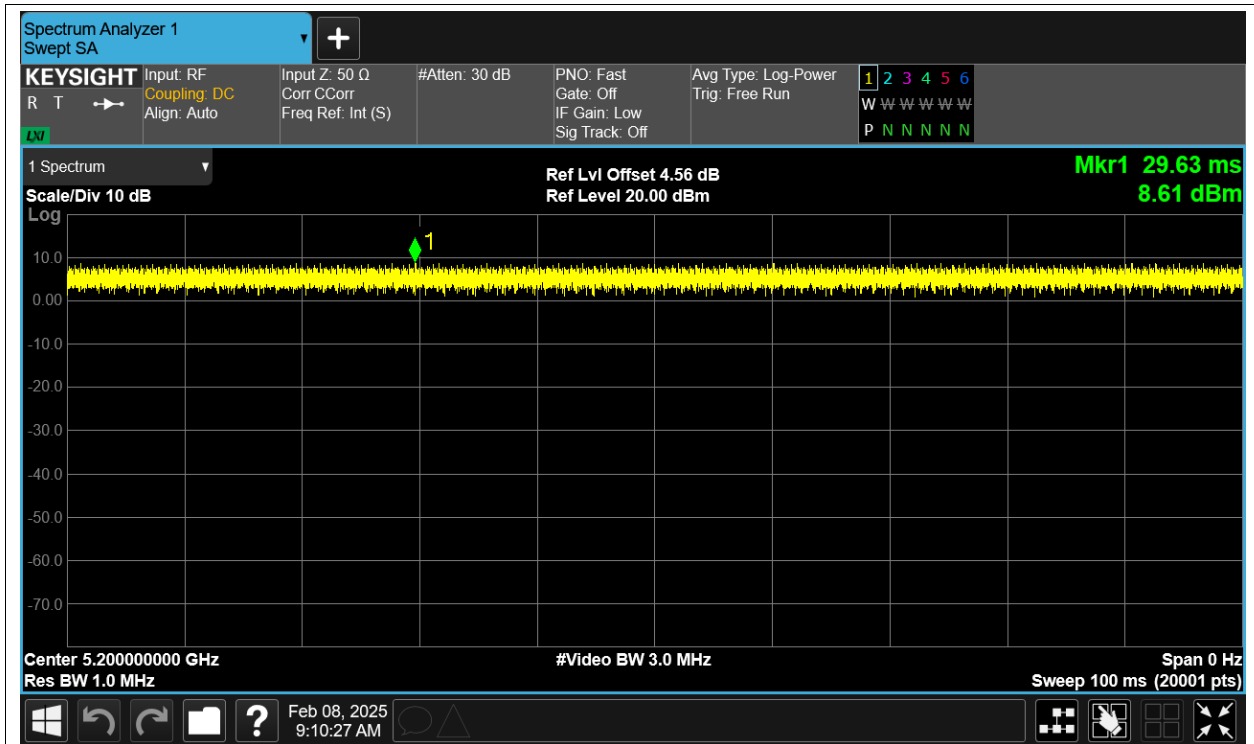




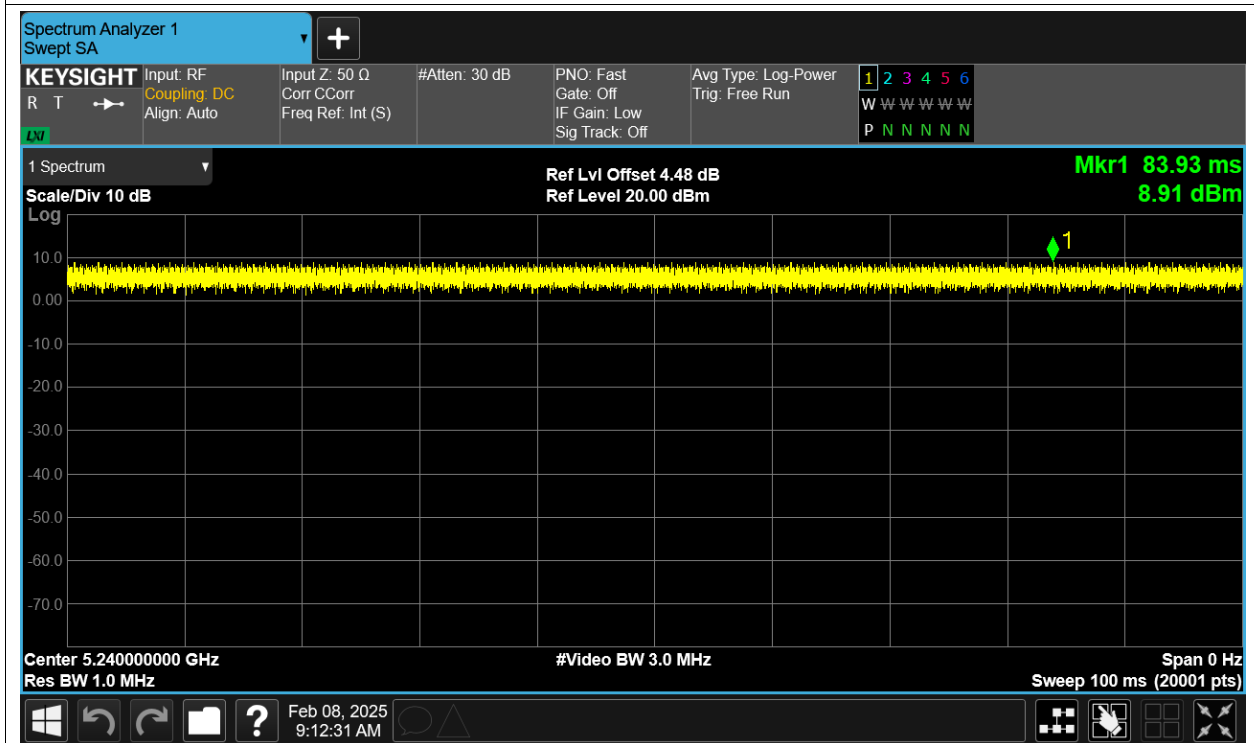
Duty Cycle NVNT ac20 5180MHz Ant1



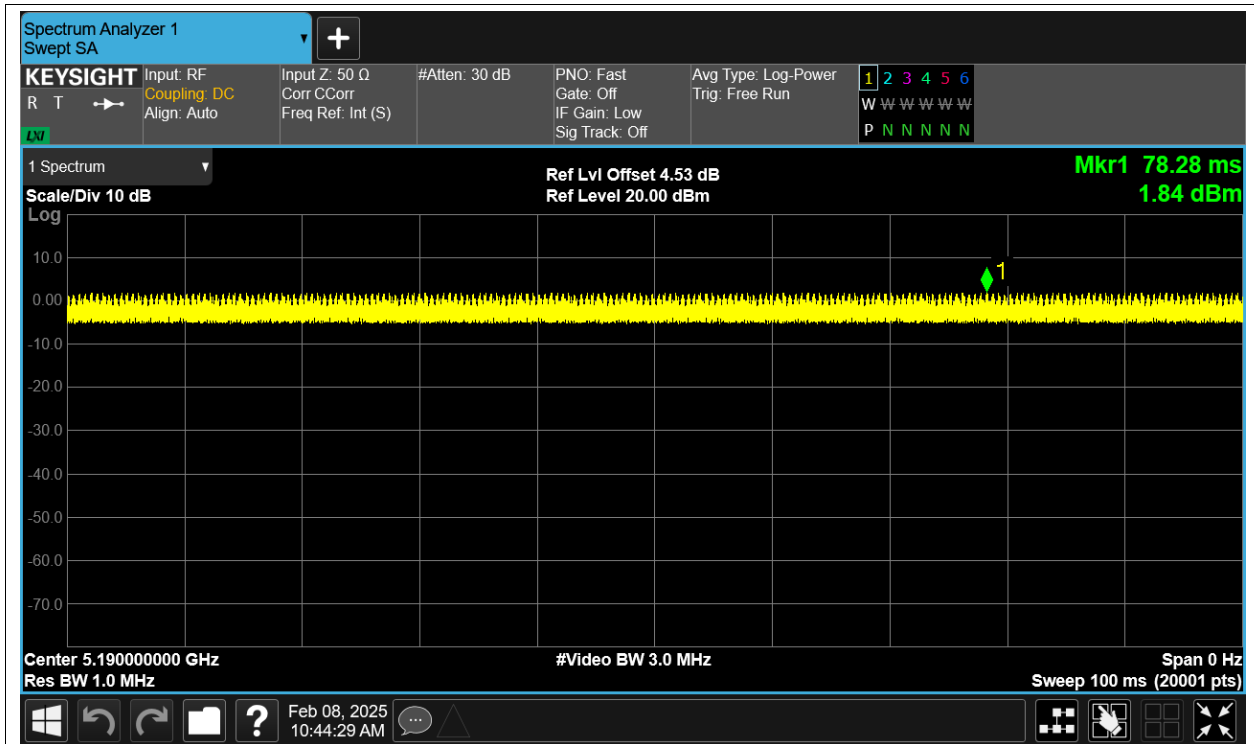
Duty Cycle NVNT ac20 5200MHz Ant1



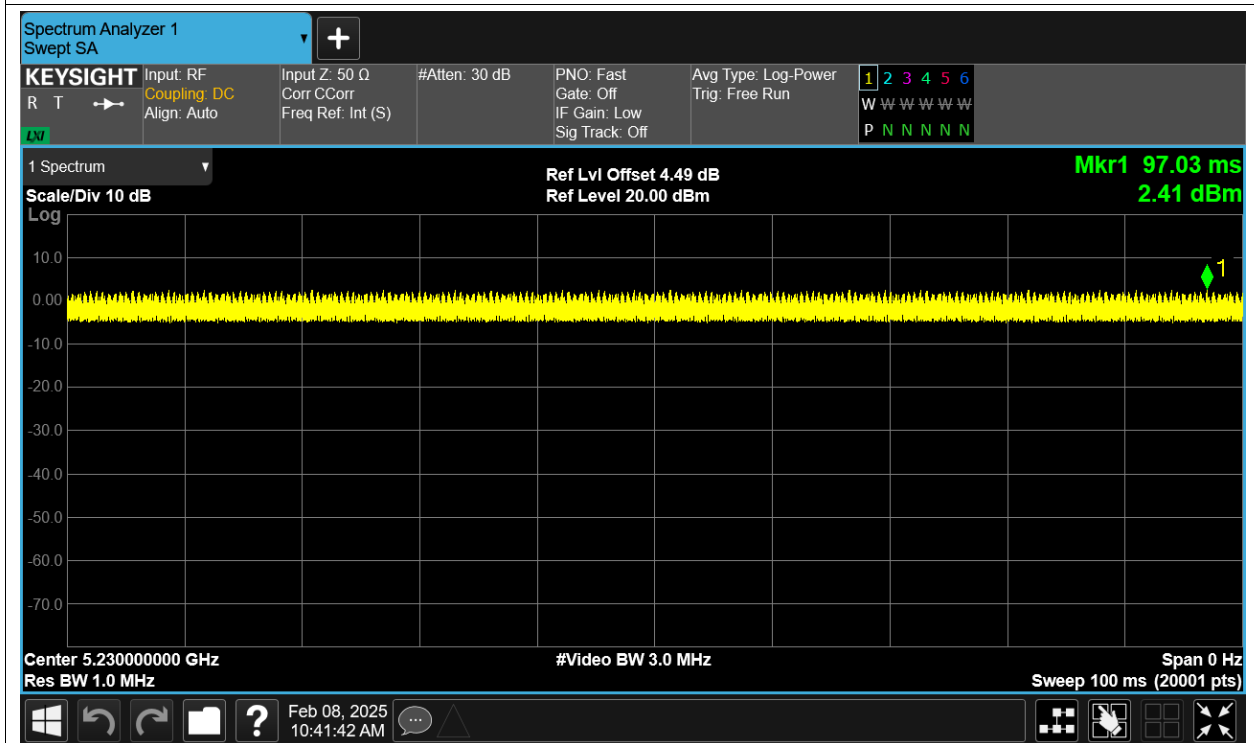
Duty Cycle NVNT ac20 5240MHz Ant1



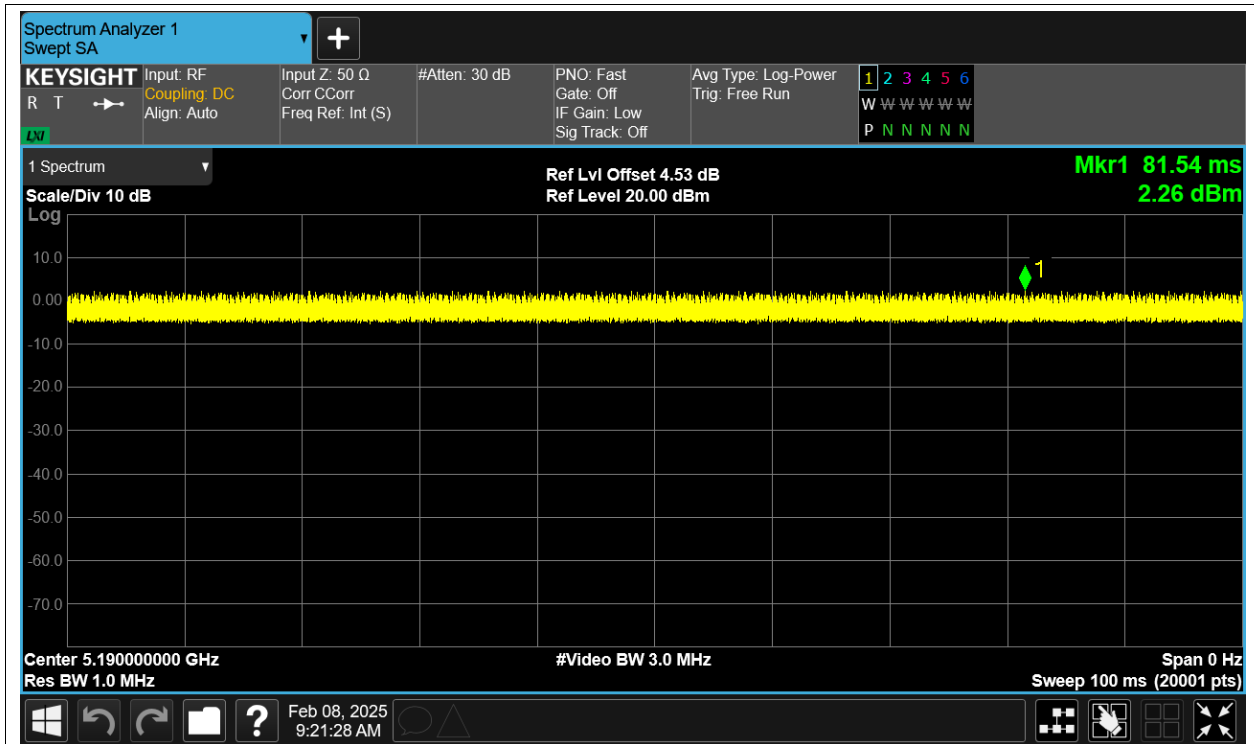
Duty Cycle HVNT ac40 5190MHz Ant1



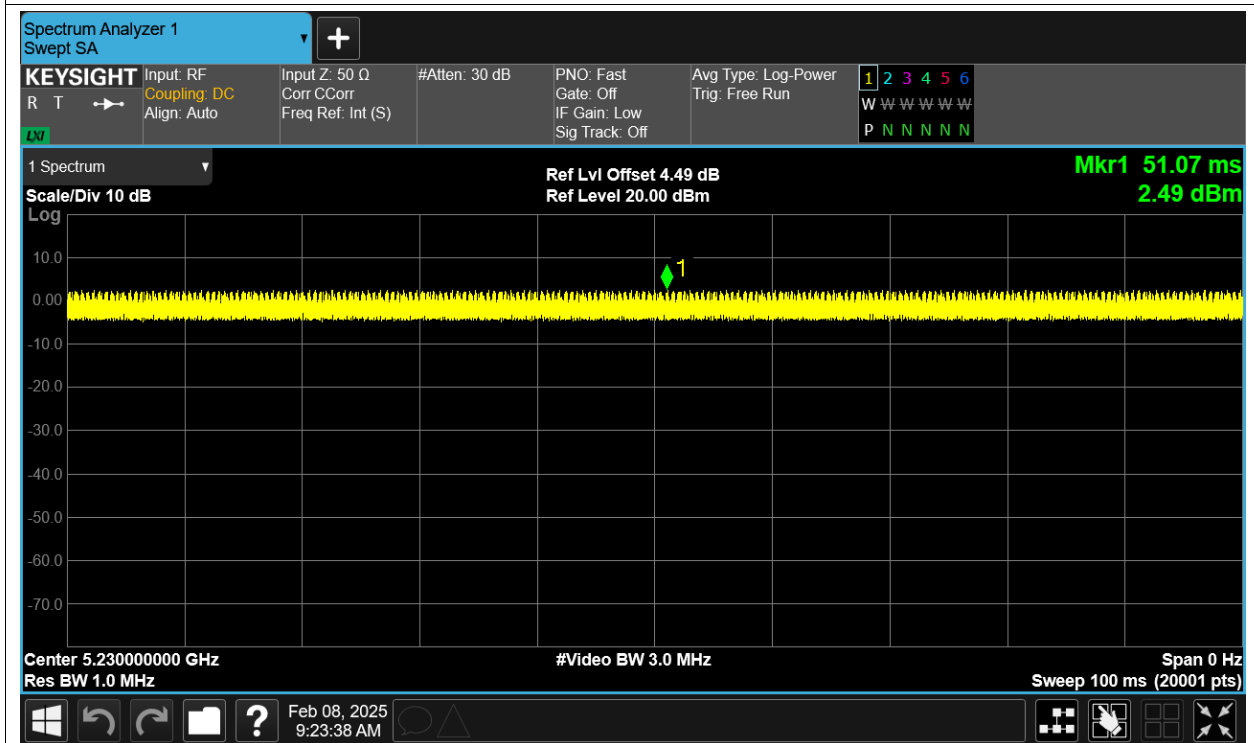
Duty Cycle HVNT ac40 5230MHz Ant1



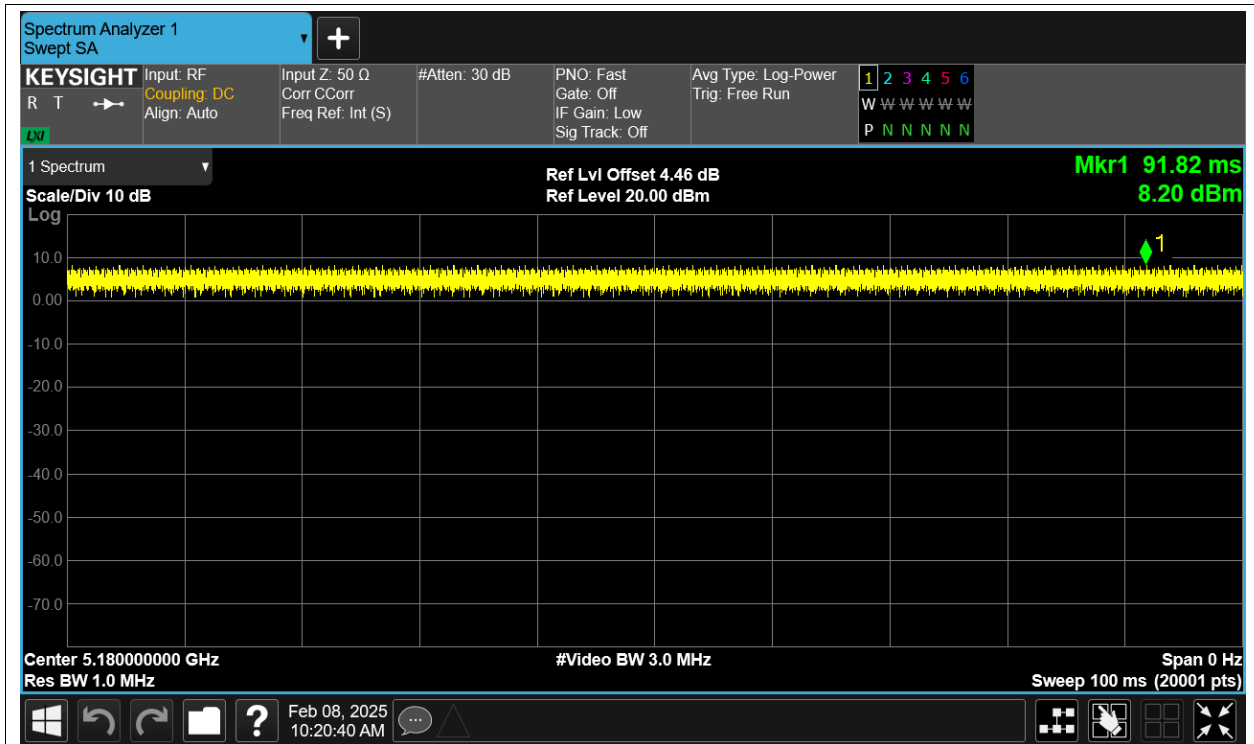
Duty Cycle NVNT ac40 5190MHz Ant1



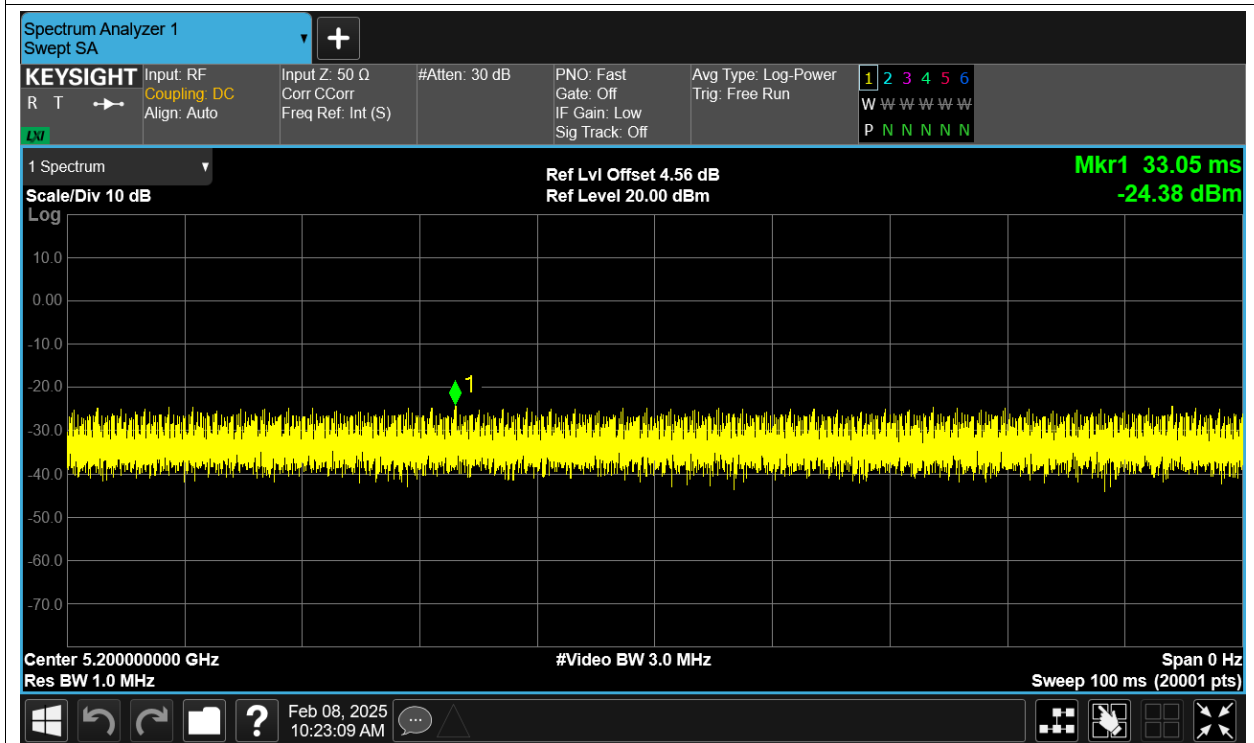
Duty Cycle NVNT ac40 5230MHz Ant1



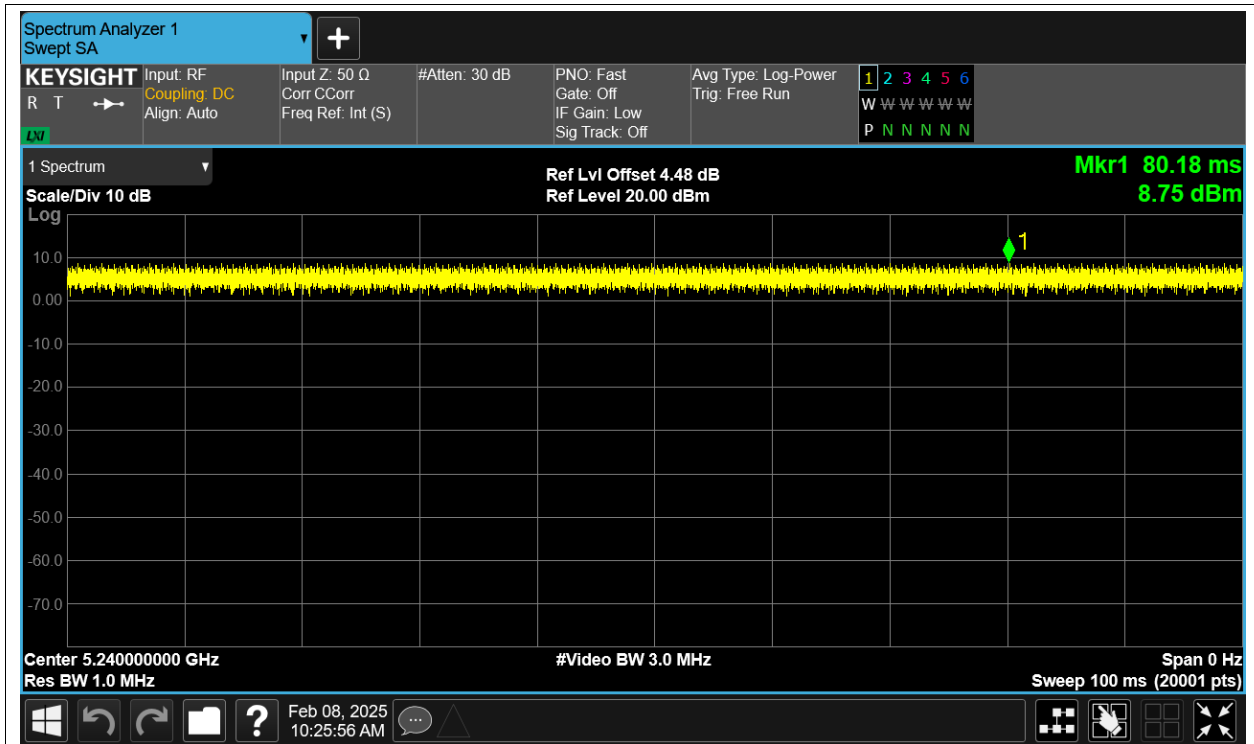
Duty Cycle HVNT n20 5180MHz Ant1



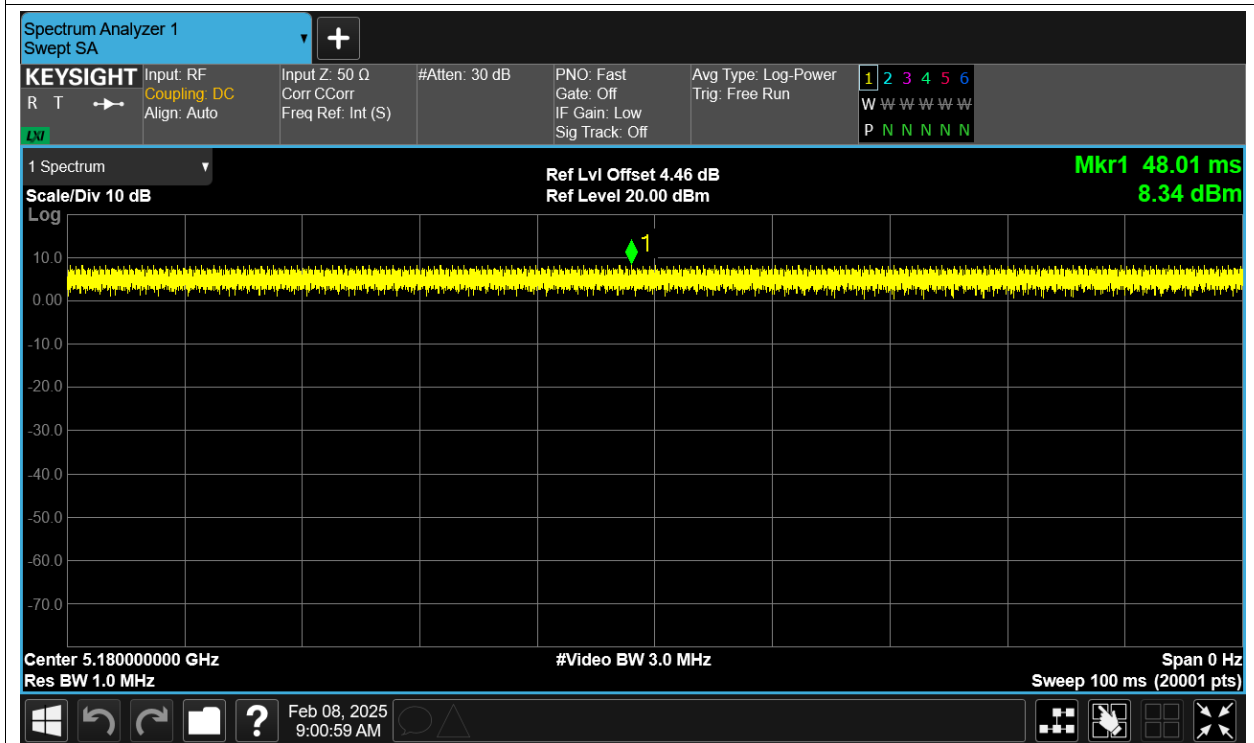
Duty Cycle HVNT n20 5200MHz Ant1



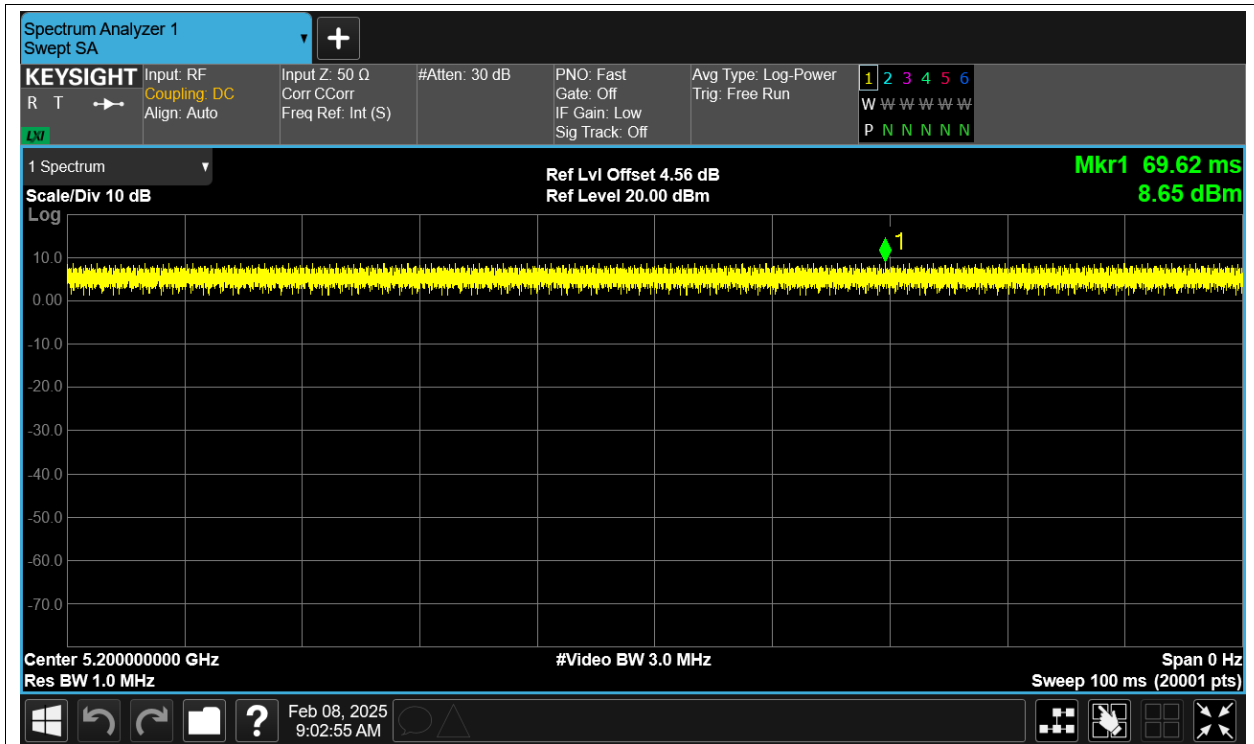
Duty Cycle HVNT n20 5240MHz Ant1



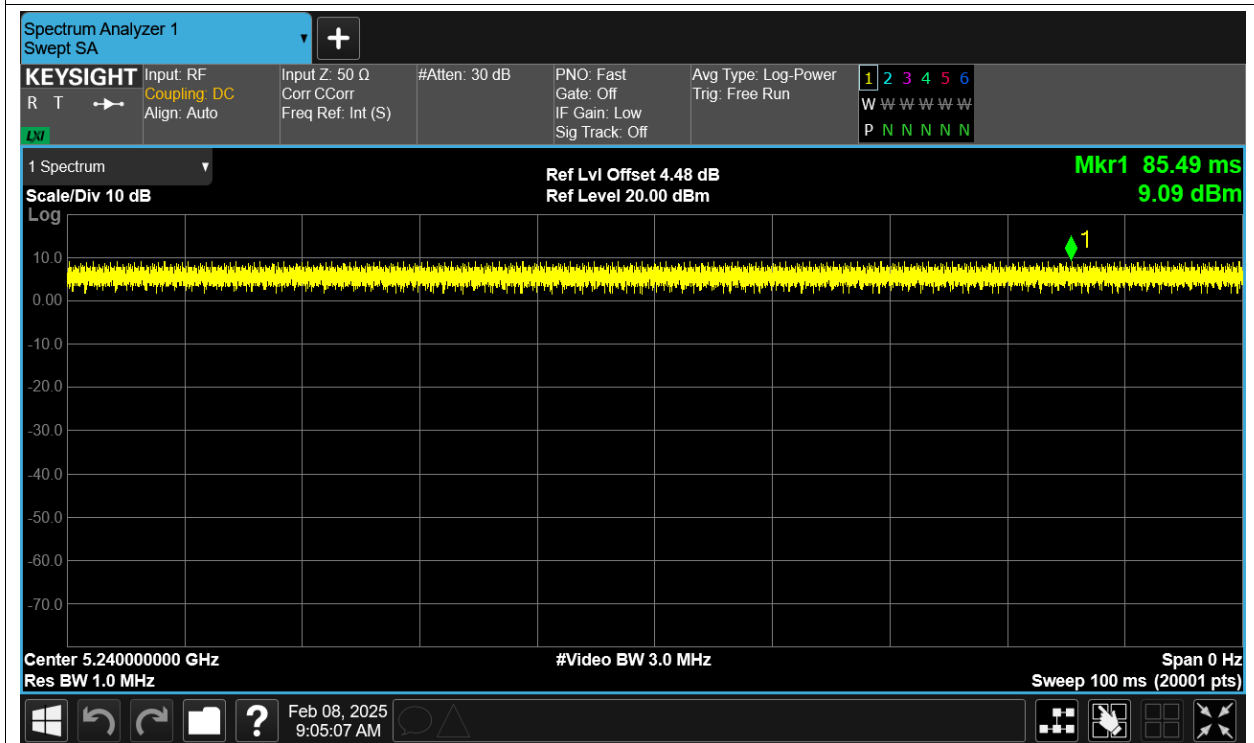
Duty Cycle NVNT n20 5180MHz Ant1



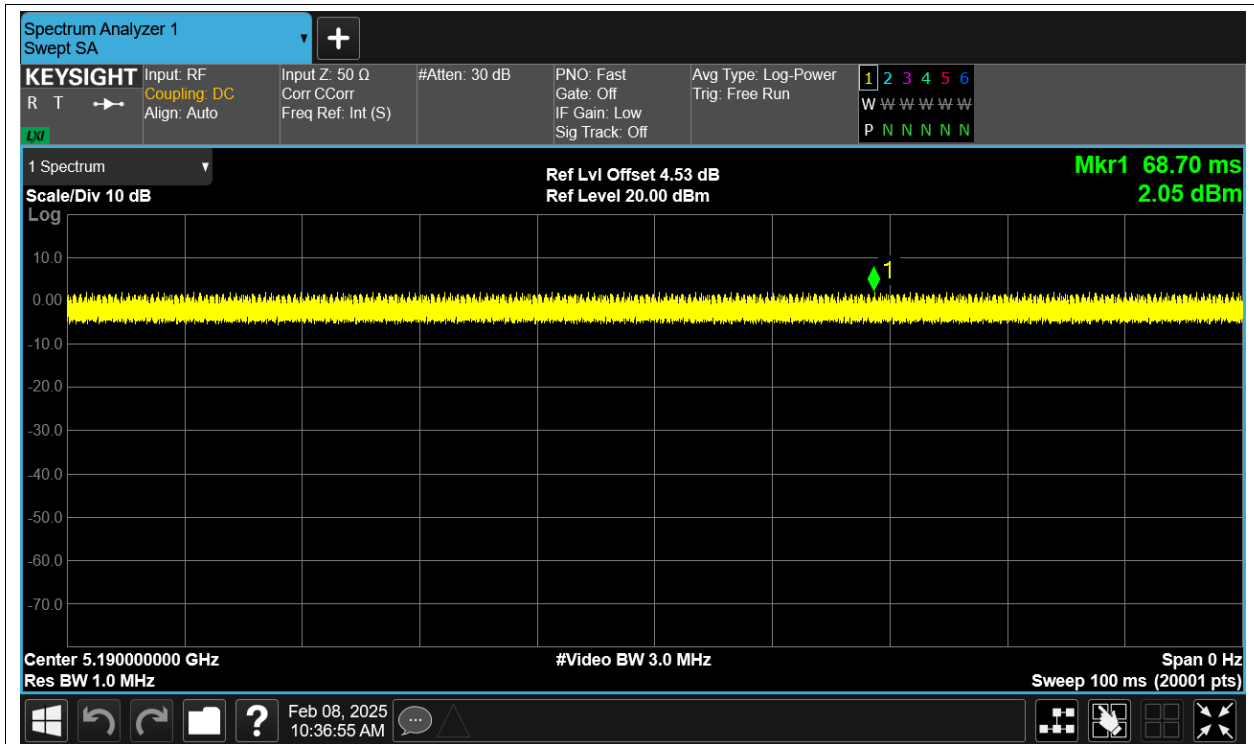
Duty Cycle NVNT n20 5200MHz Ant1



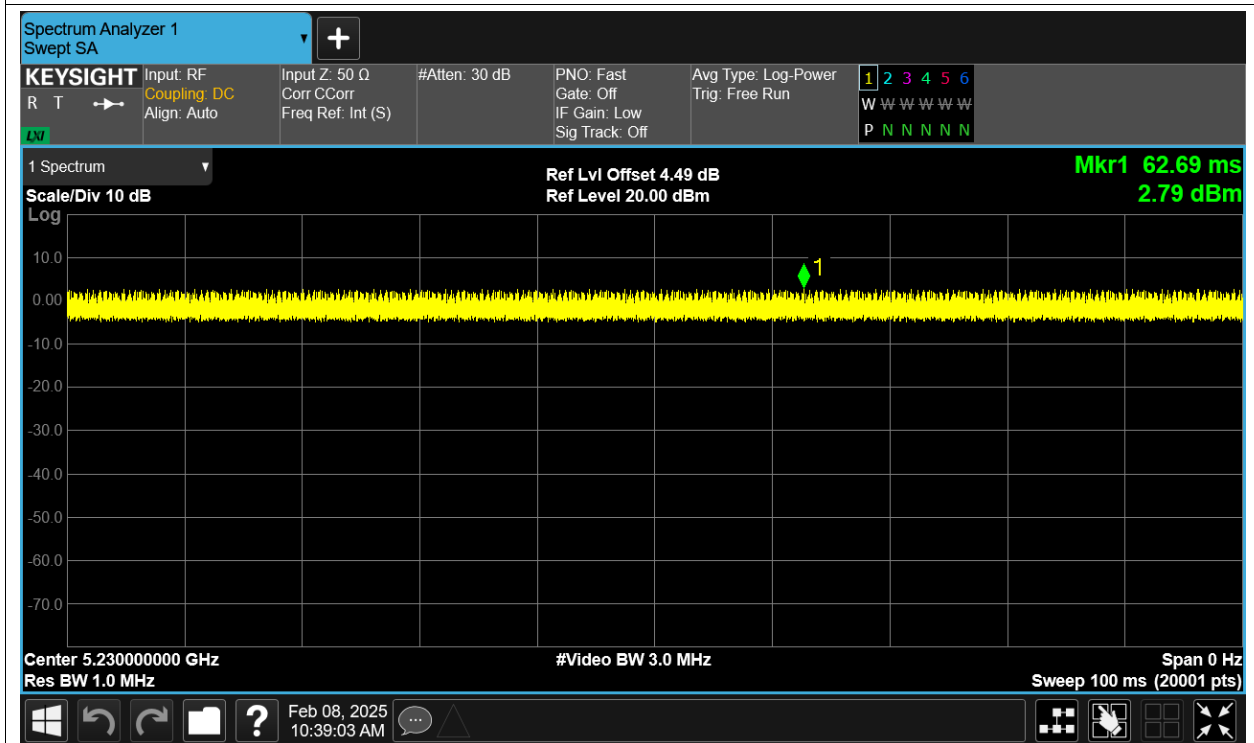
Duty Cycle NVNT n20 5240MHz Ant1



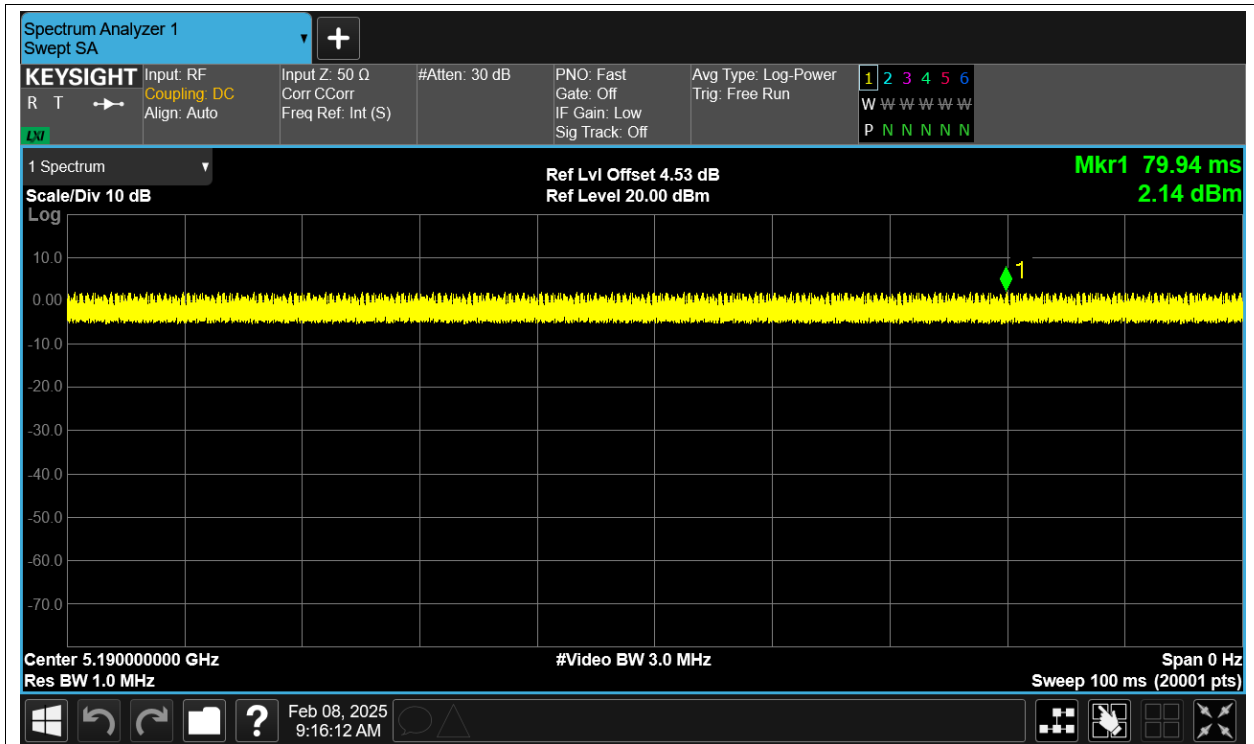
Duty Cycle HVNT n40 5190MHz Ant1



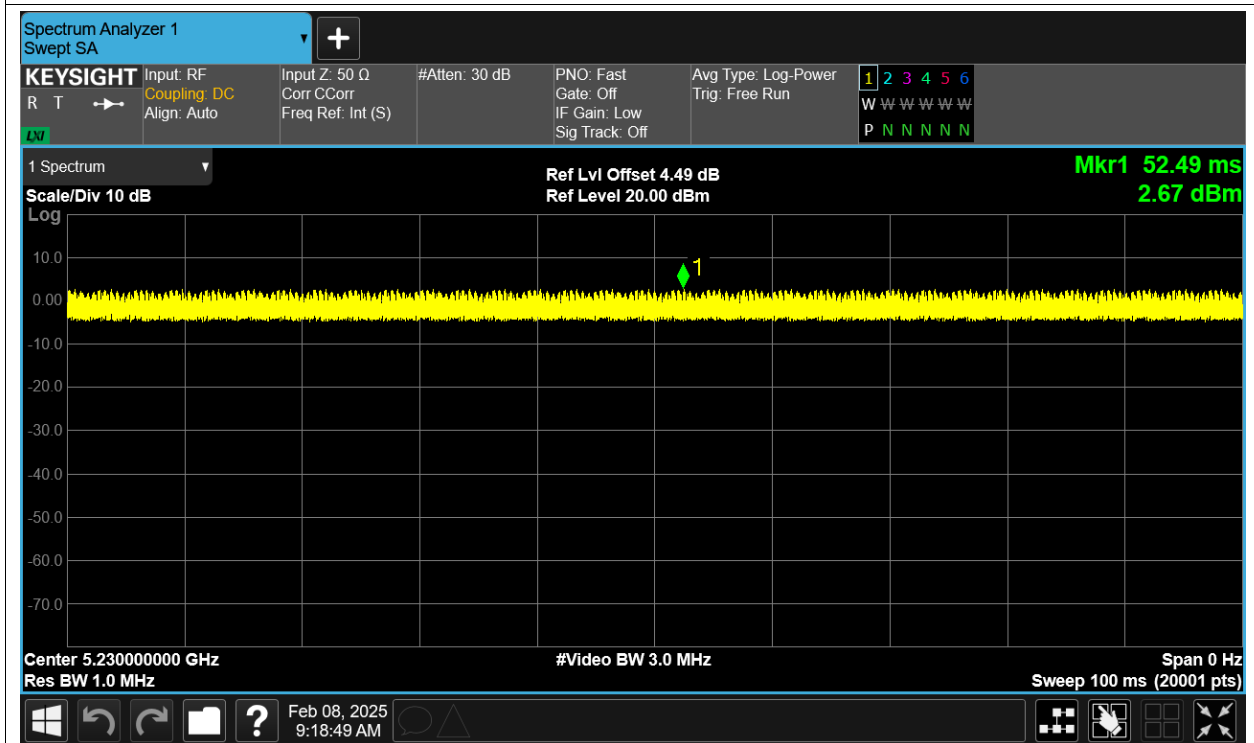
Duty Cycle HVNT n40 5230MHz Ant1



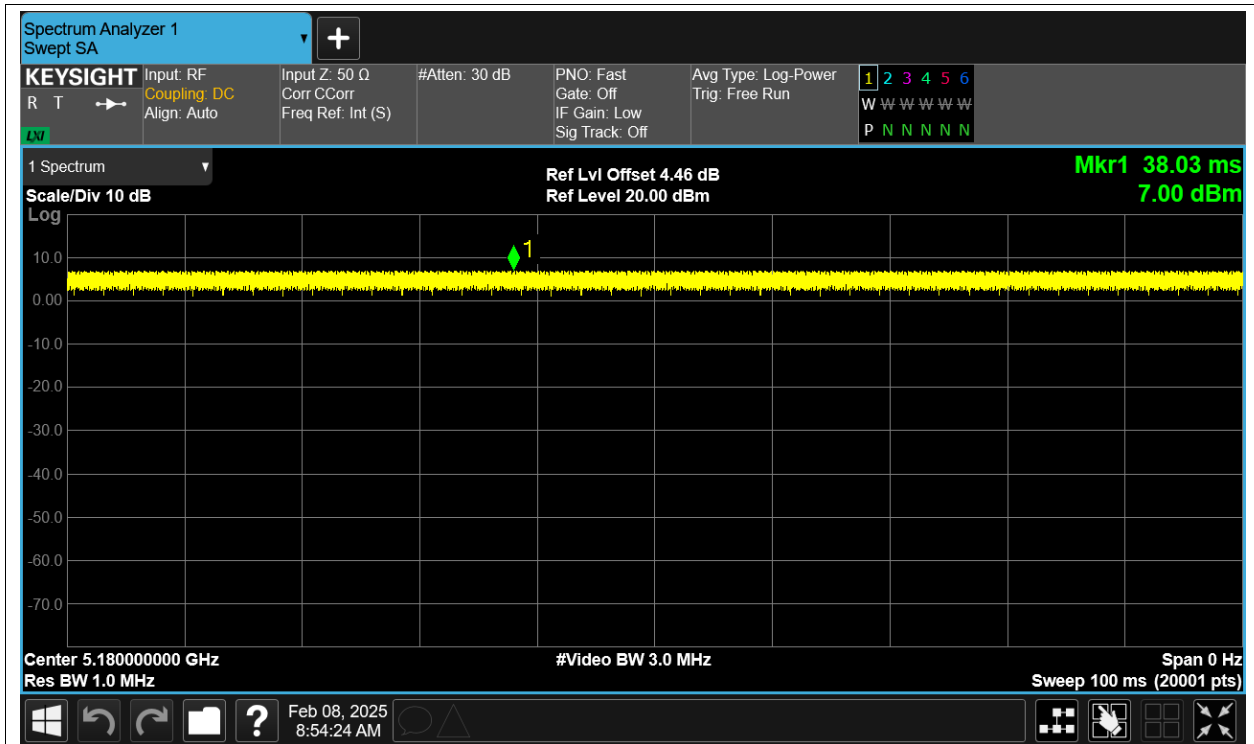
Duty Cycle NVNT n40 5190MHz Ant1



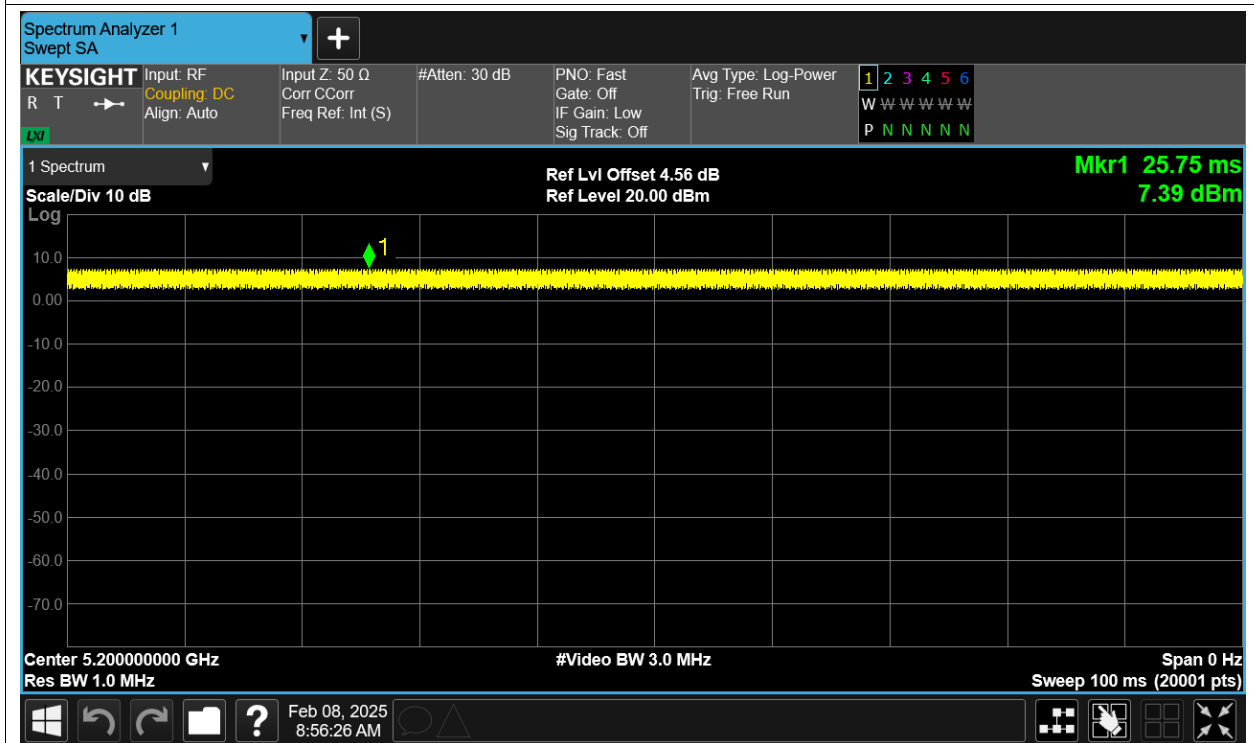
Duty Cycle NVNT n40 5230MHz Ant1



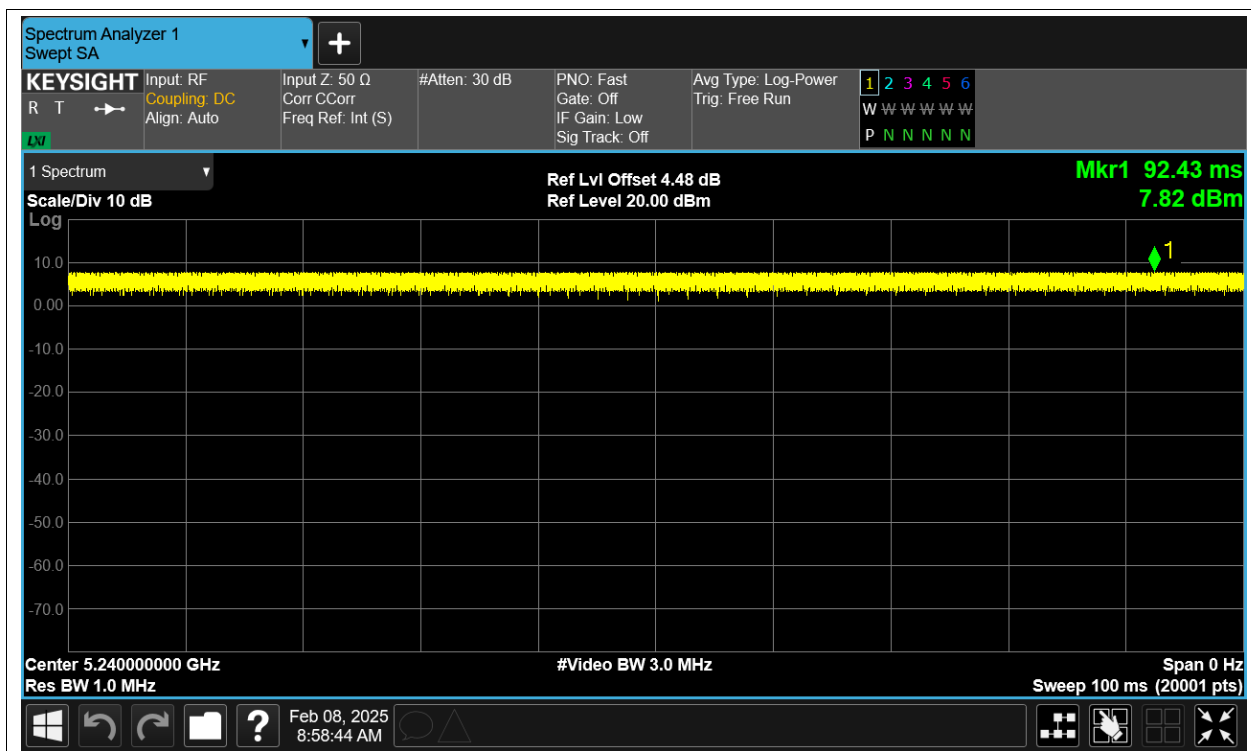
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1



Duty Cycle NVNT a 5240MHz Ant1

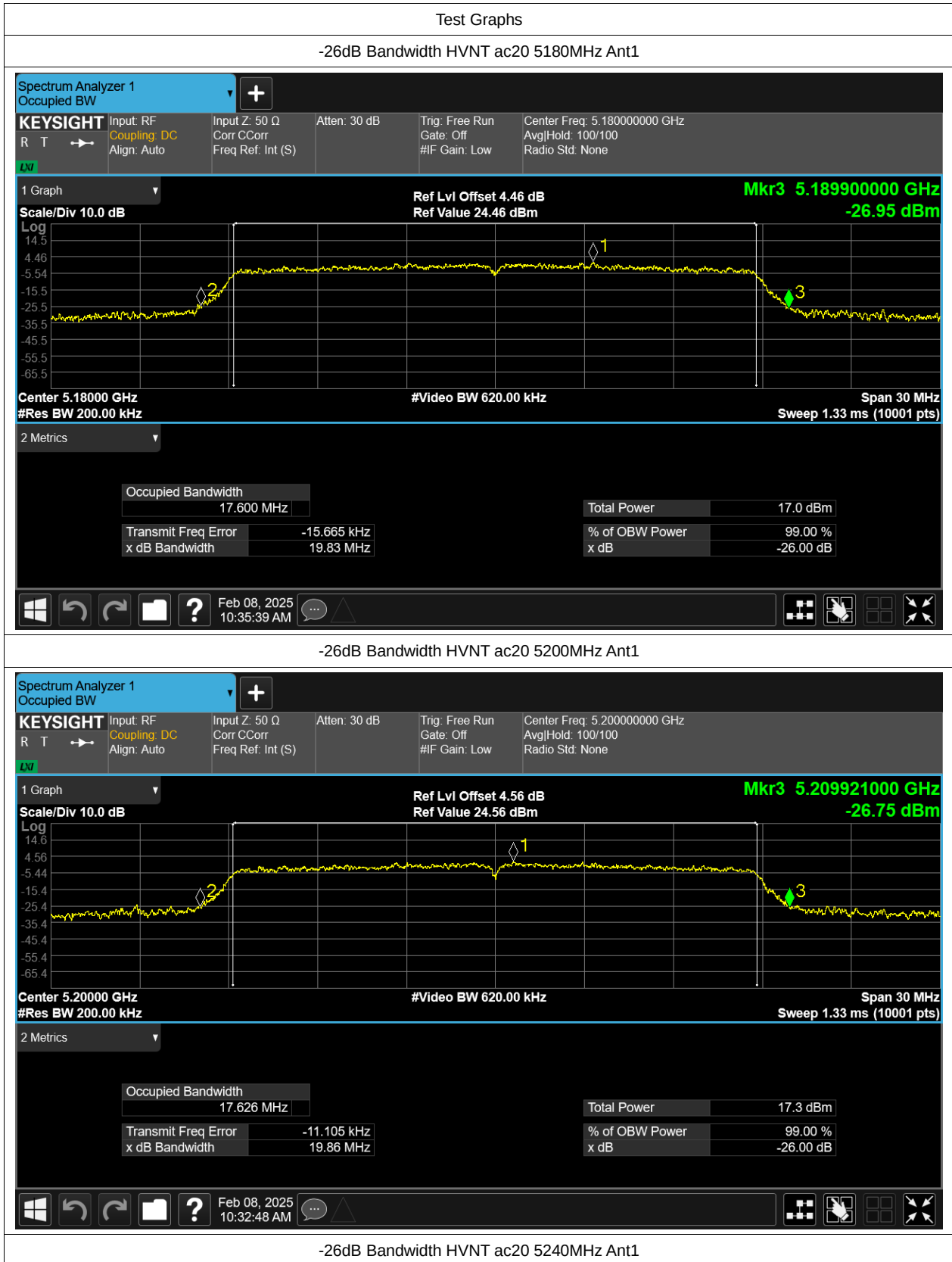


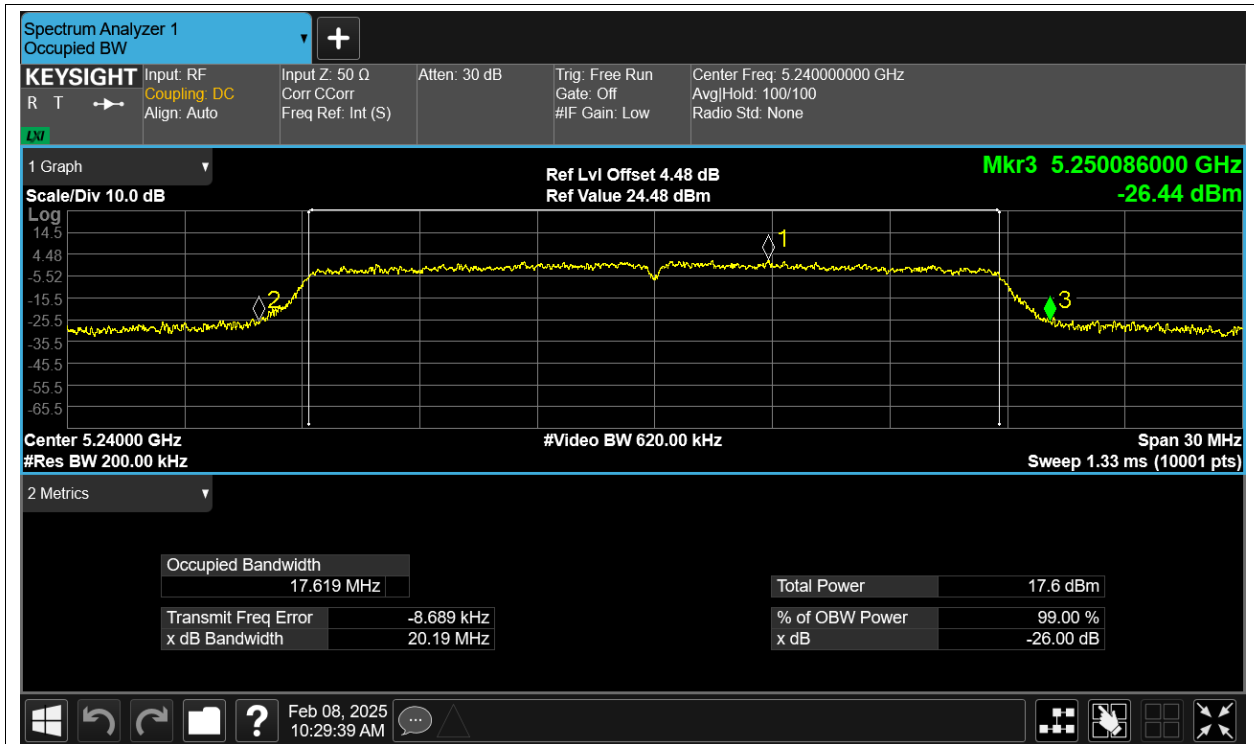
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
HVNT	ac20	5180	Ant1	12.15	0	12.15	24	Pass
HVNT	ac20	5200	Ant1	11.94	0	11.94	24	Pass
HVNT	ac20	5240	Ant1	13.19	0	13.19	24	Pass
NVNT	ac20	5180	Ant1	12.39	0	12.39	24	Pass
NVNT	ac20	5200	Ant1	12.25	0	12.25	24	Pass
NVNT	ac20	5240	Ant1	13.61	0	13.61	24	Pass
HVNT	ac40	5190	Ant1	12.27	0	12.27	23	Pass
HVNT	ac40	5230	Ant1	13.08	0	13.08	24	Pass
NVNT	ac40	5190	Ant1	12.6	0	12.6	23	Pass
NVNT	ac40	5230	Ant1	13.4	0	13.4	24	Pass
HVNT	n20	5180	Ant1	12.06	0	12.06	24	Pass
HVNT	n20	5200	Ant1	12.26	0.04	12.3	24	Pass
HVNT	n20	5240	Ant1	13.1	0	13.1	24	Pass
NVNT	n20	5180	Ant1	12.4	0	12.4	24	Pass
NVNT	n20	5200	Ant1	12.17	0	12.17	24	Pass
NVNT	n20	5240	Ant1	13.7	0	13.7	24	Pass
HVNT	n40	5190	Ant1	12.15	0	12.15	24	Pass
HVNT	n40	5230	Ant1	13.12	0	13.12	24	Pass
NVNT	n40	5190	Ant1	12.45	0	12.45	24	Pass
NVNT	n40	5230	Ant1	13.47	0	13.47	24	Pass
NVNT	a	5180	Ant1	12.5	0	12.5	24	Pass
NVNT	a	5200	Ant1	12.52	0	12.52	24	Pass
NVNT	a	5240	Ant1	13.51	0	13.51	24	Pass

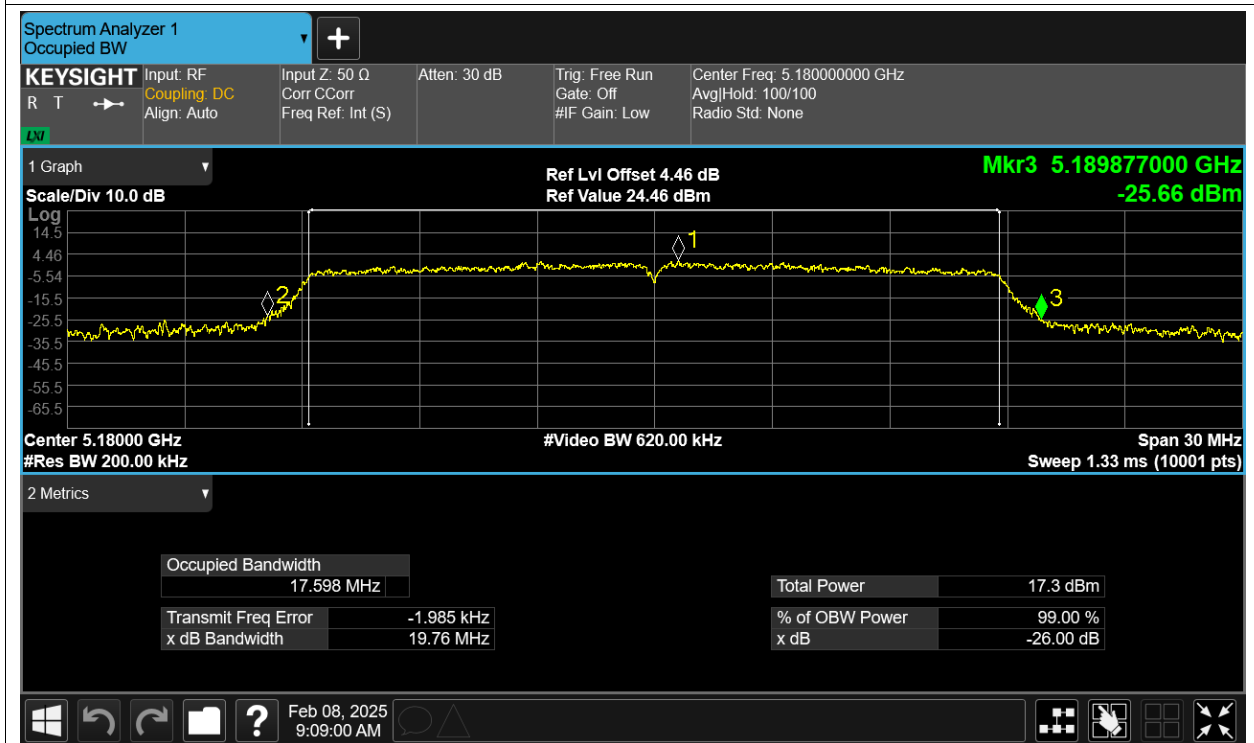
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
HVNT	ac20	5180	Ant1	19.832
HVNT	ac20	5200	Ant1	19.864
HVNT	ac20	5240	Ant1	20.189
NVNT	ac20	5180	Ant1	19.758
NVNT	ac20	5200	Ant1	20.602
NVNT	ac20	5240	Ant1	20.026
HVNT	ac40	5190	Ant1	39.256
HVNT	ac40	5230	Ant1	42.757
NVNT	ac40	5190	Ant1	40.848
NVNT	ac40	5230	Ant1	39.608
HVNT	n20	5180	Ant1	19.859
HVNT	n20	5200	Ant1	5.436
HVNT	n20	5240	Ant1	20.445
NVNT	n20	5180	Ant1	19.764
NVNT	n20	5200	Ant1	19.993
NVNT	n20	5240	Ant1	19.954
HVNT	n40	5190	Ant1	39.445
HVNT	n40	5230	Ant1	40.313
NVNT	n40	5190	Ant1	39.329
NVNT	n40	5230	Ant1	39.674
NVNT	a	5180	Ant1	19.534
NVNT	a	5200	Ant1	20.459
NVNT	a	5240	Ant1	19.934

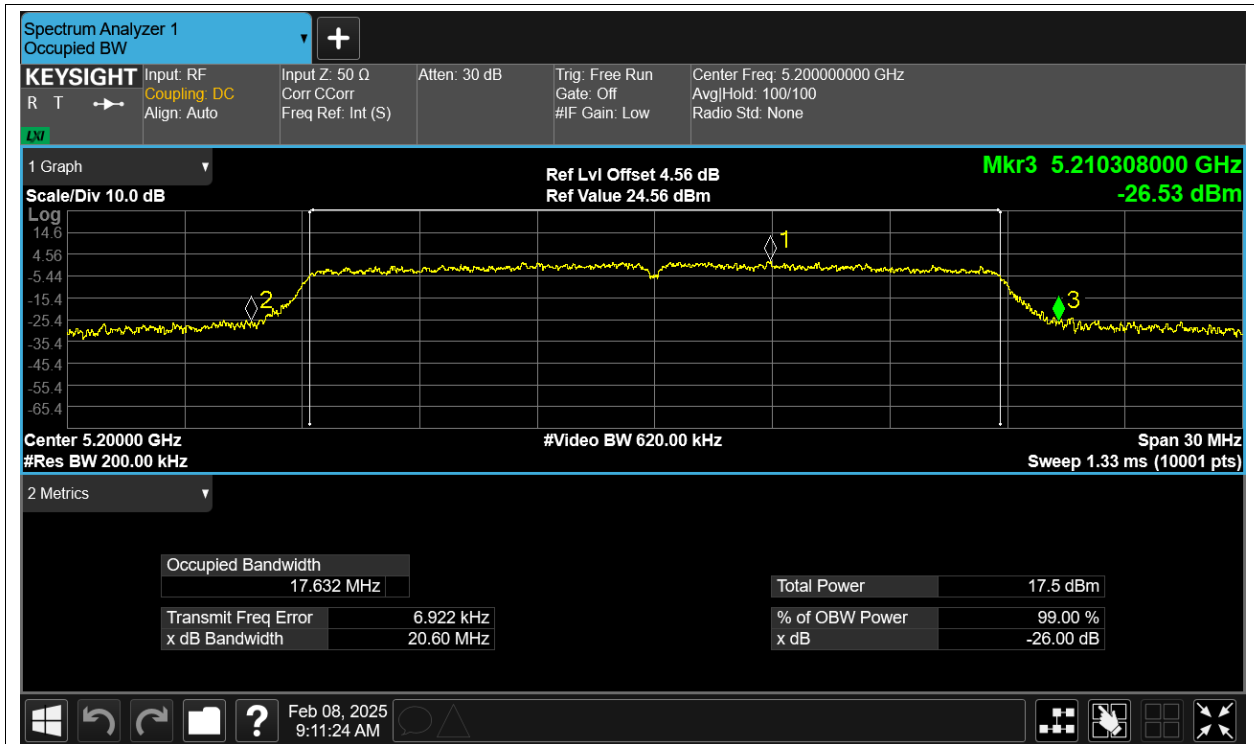




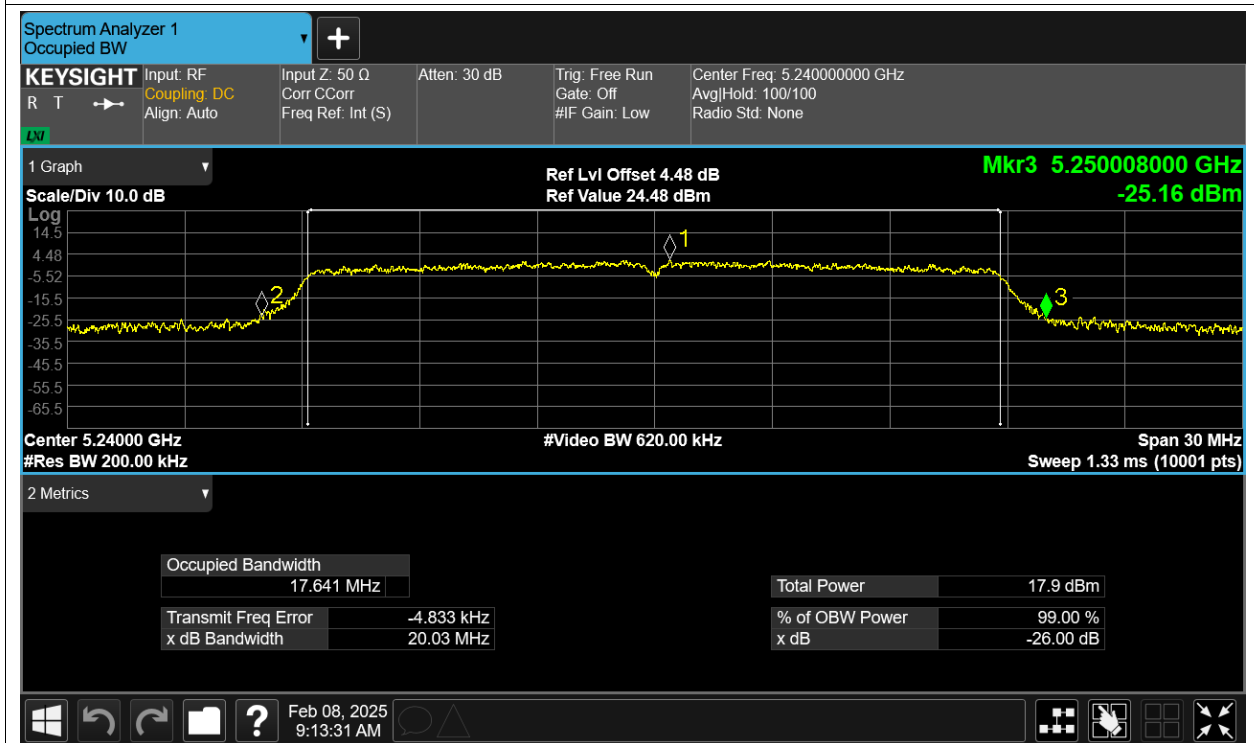
-26dB Bandwidth NVNT ac20 5180MHz Ant1



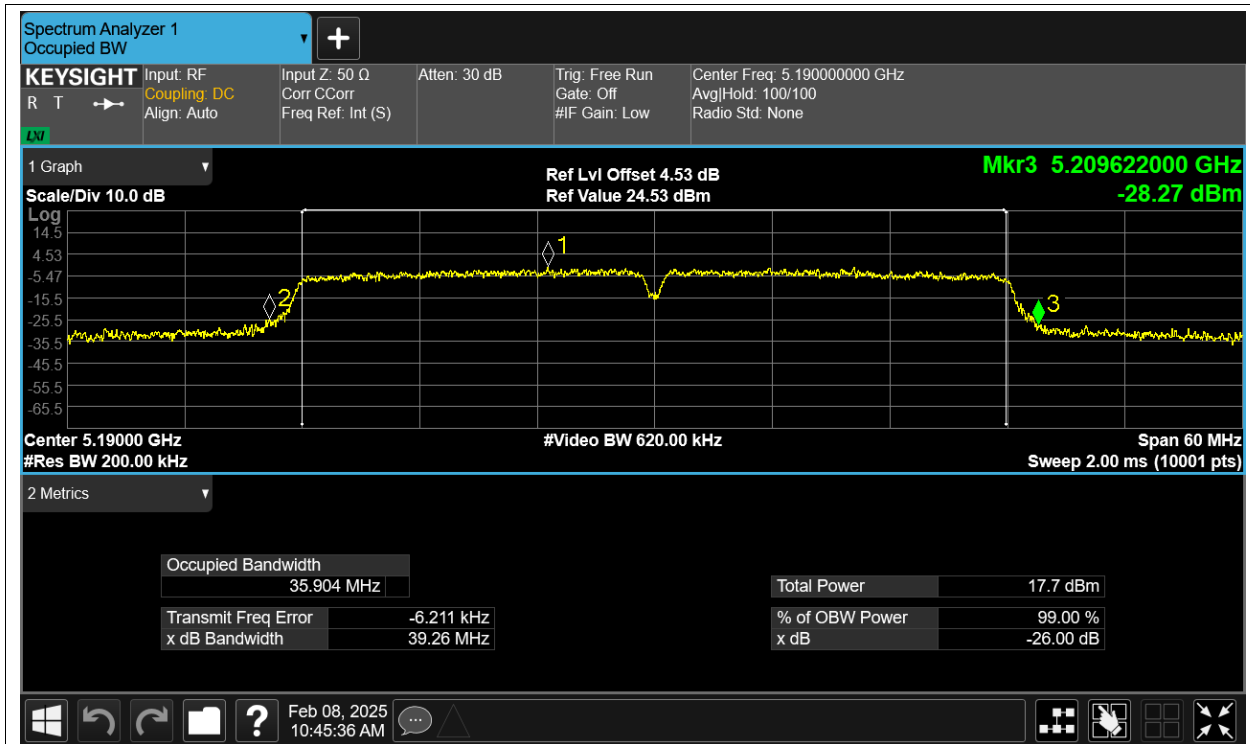
-26dB Bandwidth NVNT ac20 5200MHz Ant1



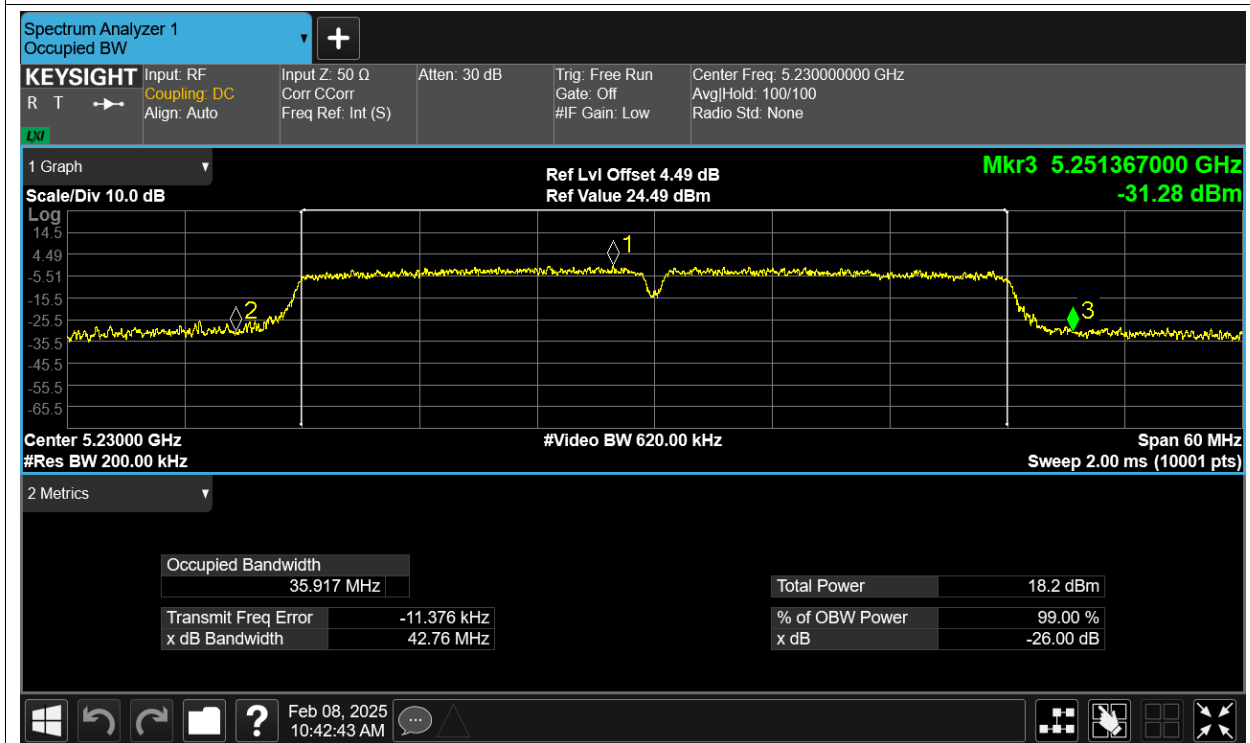
-26dB Bandwidth NVNT ac20 5240MHz Ant1



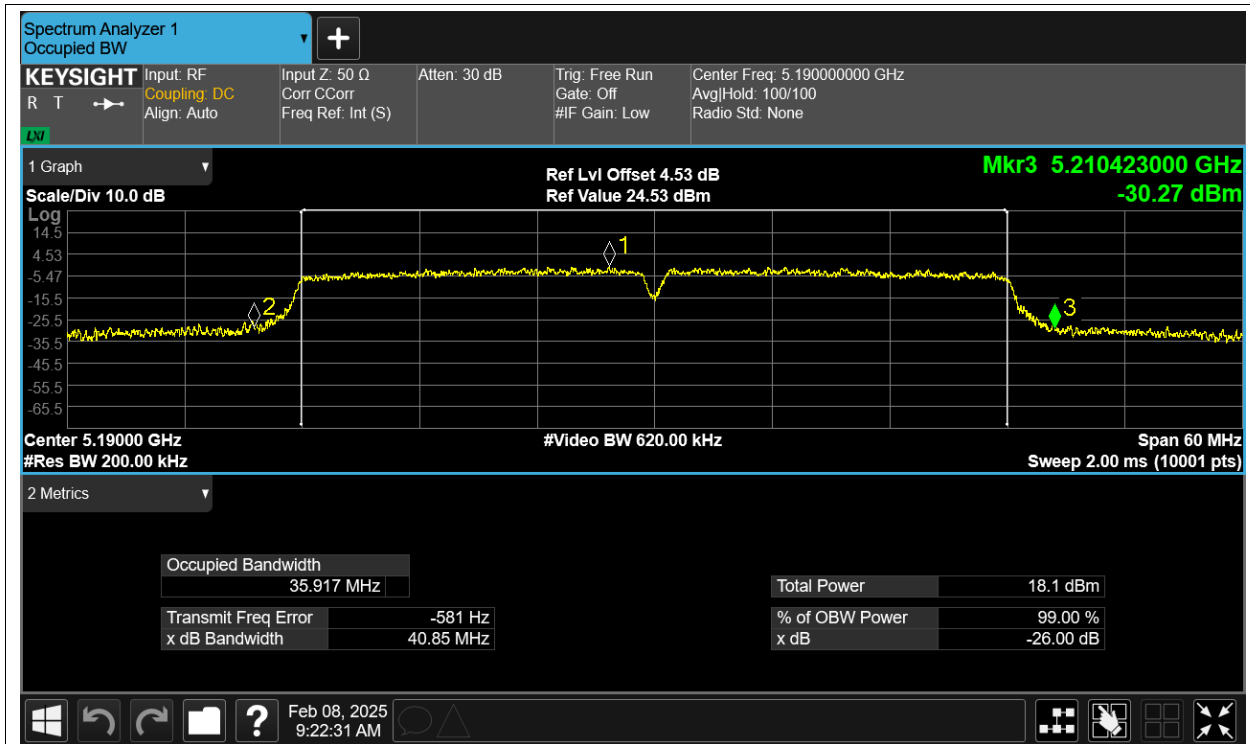
-26dB Bandwidth HVNT ac40 5190MHz Ant1



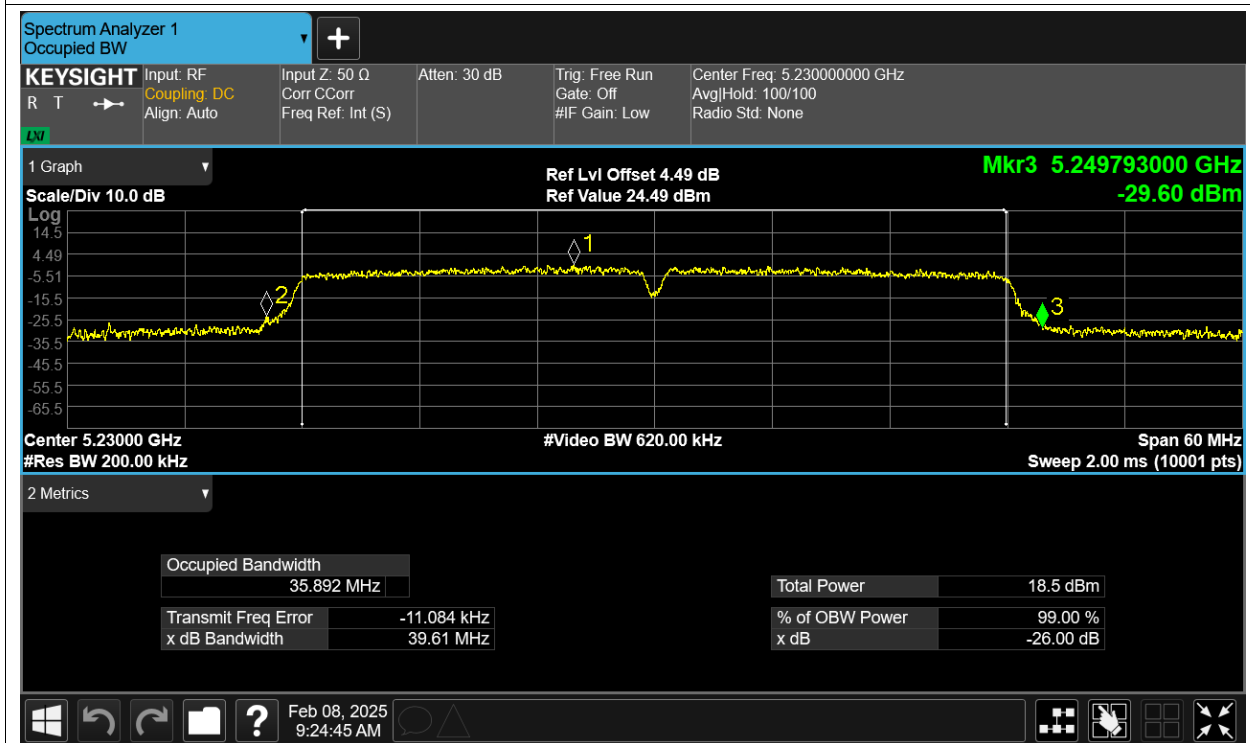
-26dB Bandwidth HVNT ac40 5230MHz Ant1



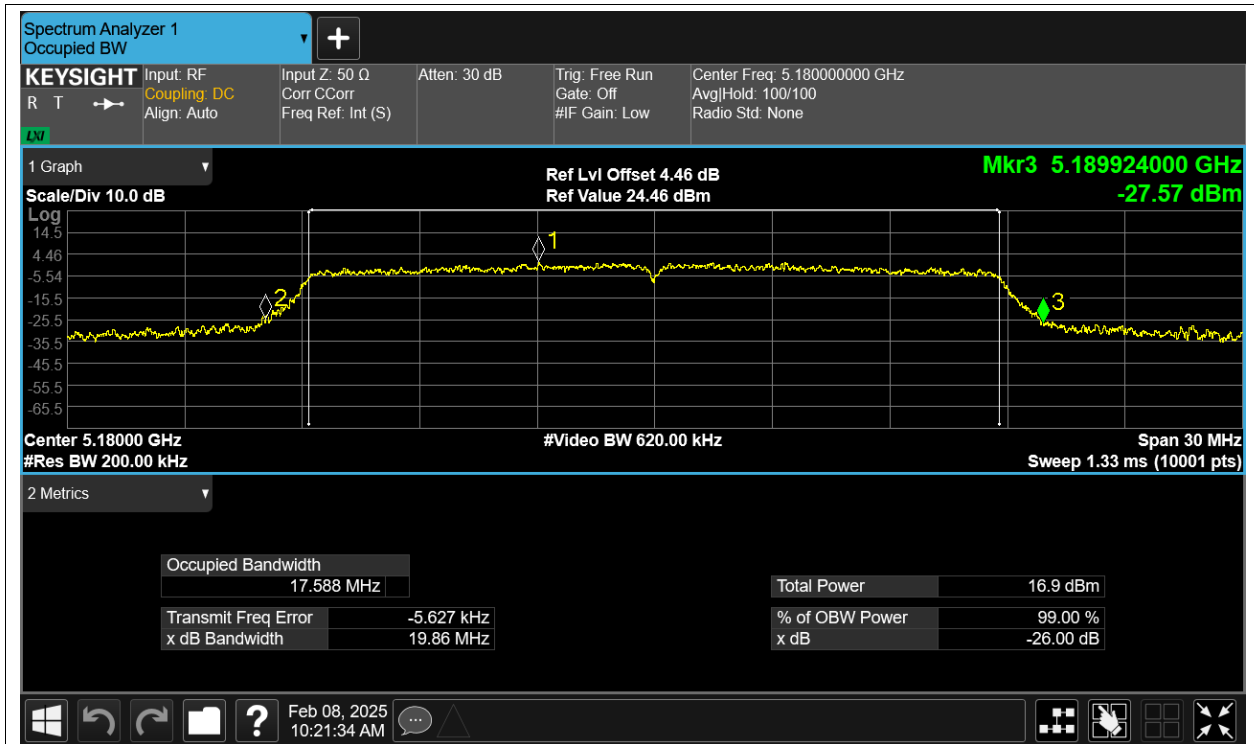
-26dB Bandwidth NVNT ac40 5190MHz Ant1



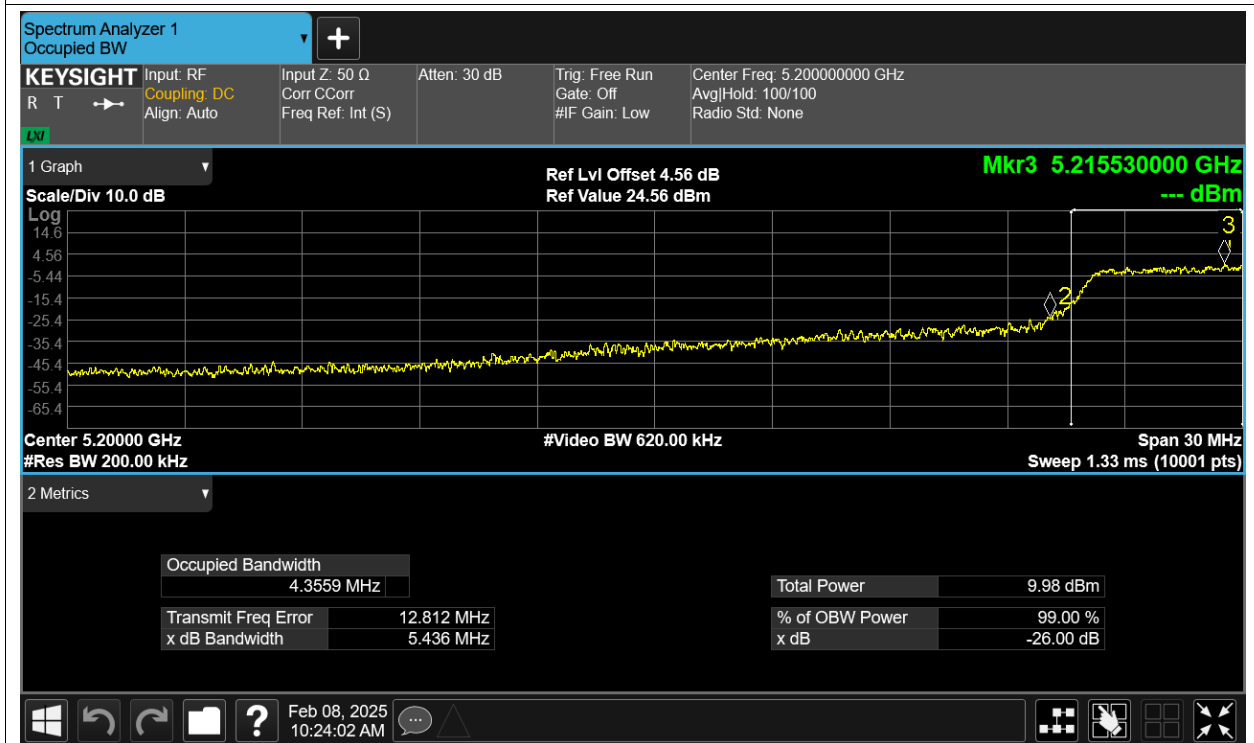
-26dB Bandwidth NVNT ac40 5230MHz Ant1



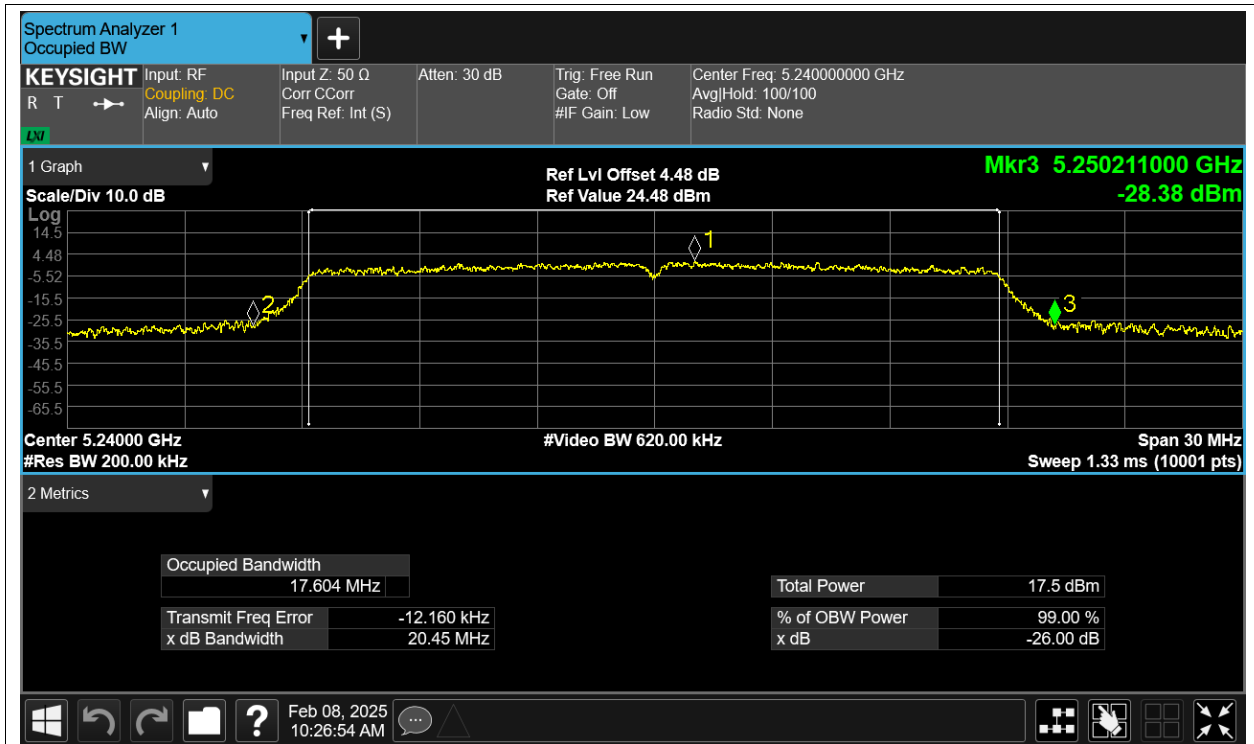
-26dB Bandwidth HVNT n20 5180MHz Ant1



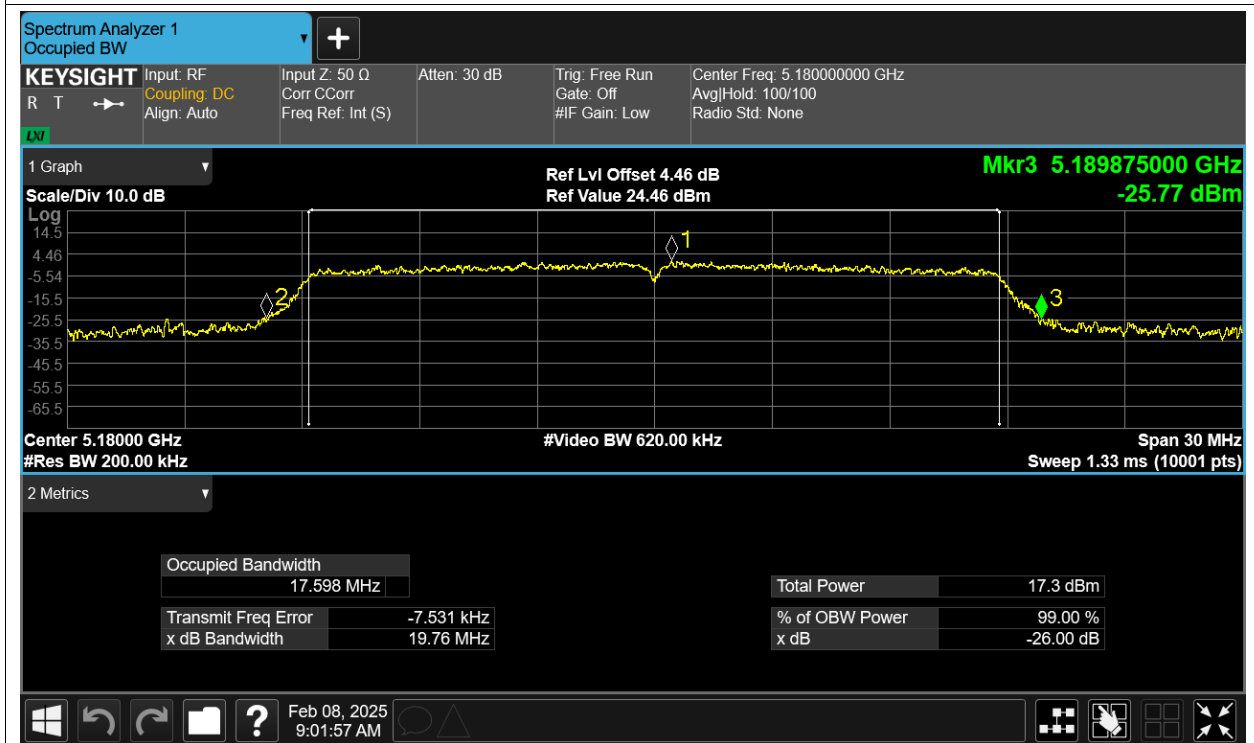
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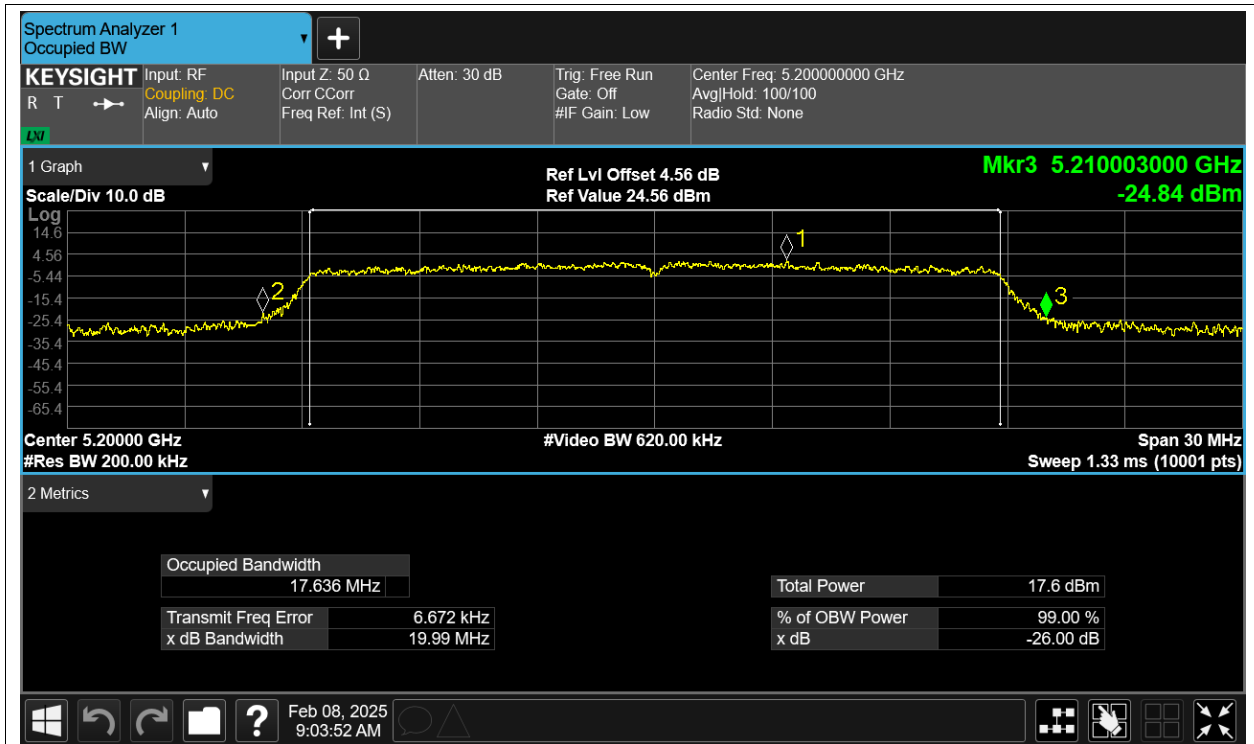
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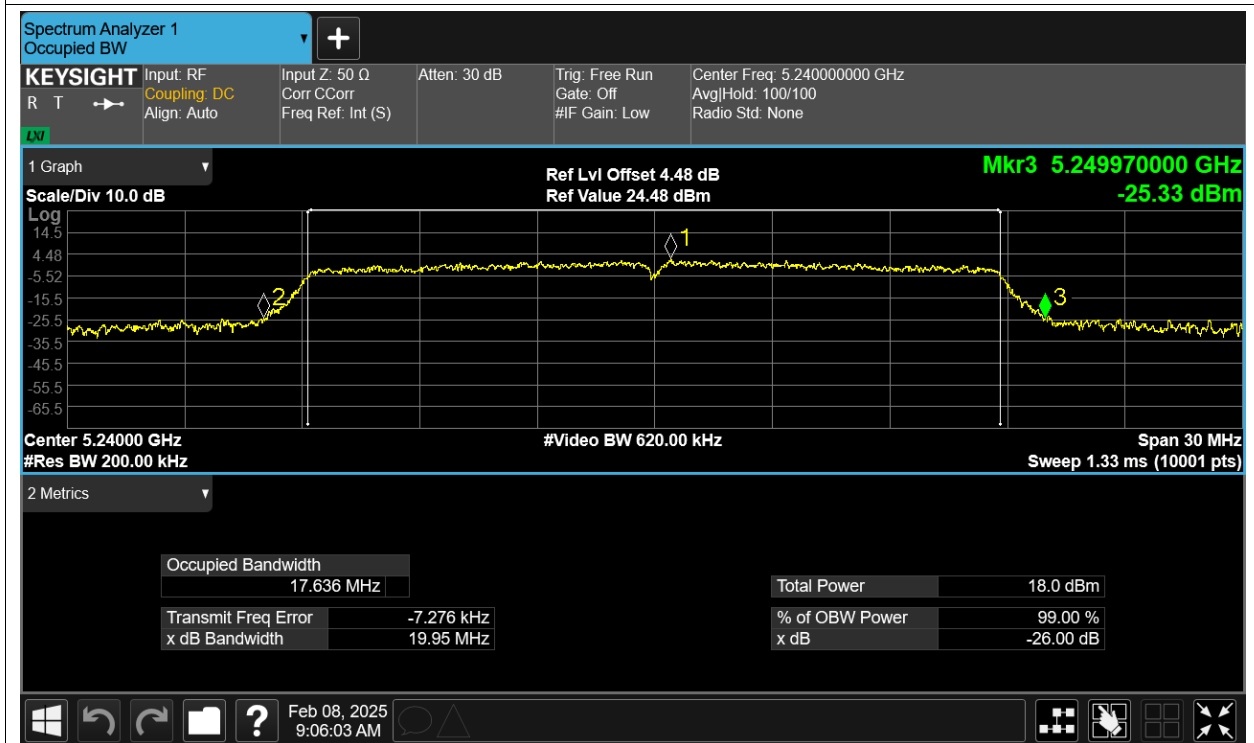
-26dB Bandwidth NVNT n20 5180MHz Ant1



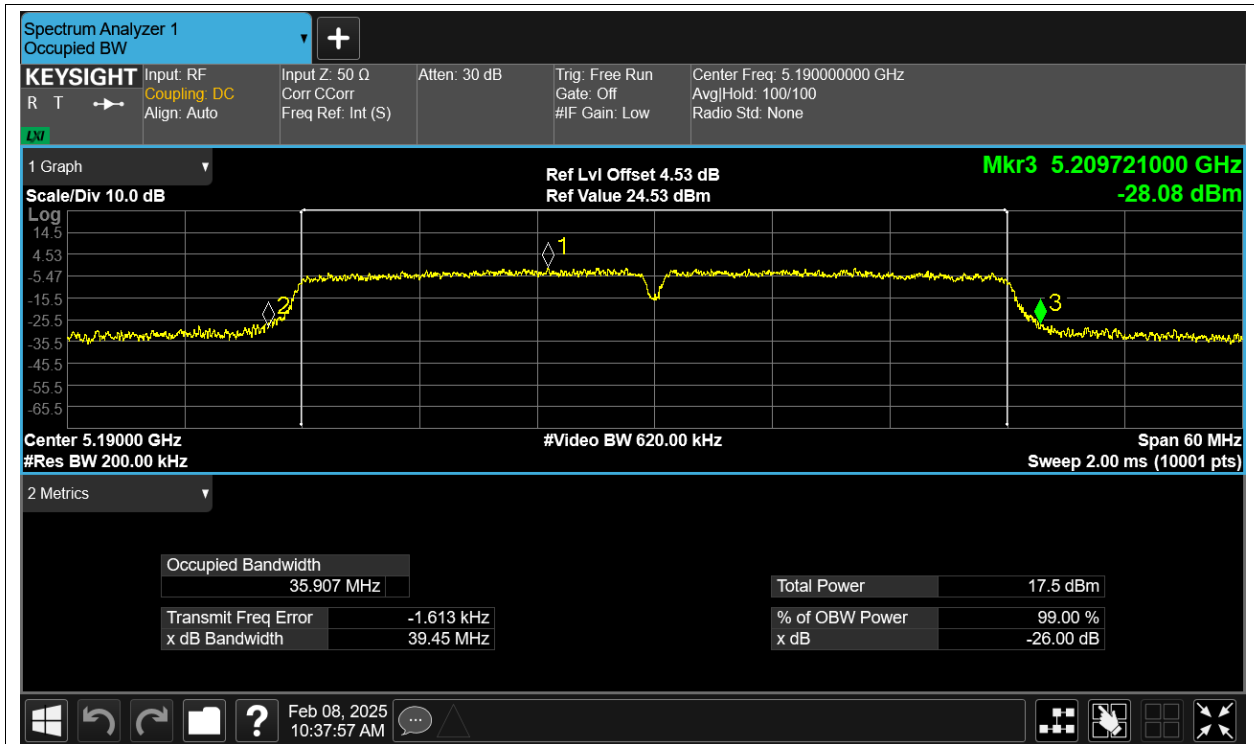
-26dB Bandwidth NVNT n20 5200MHz Ant1



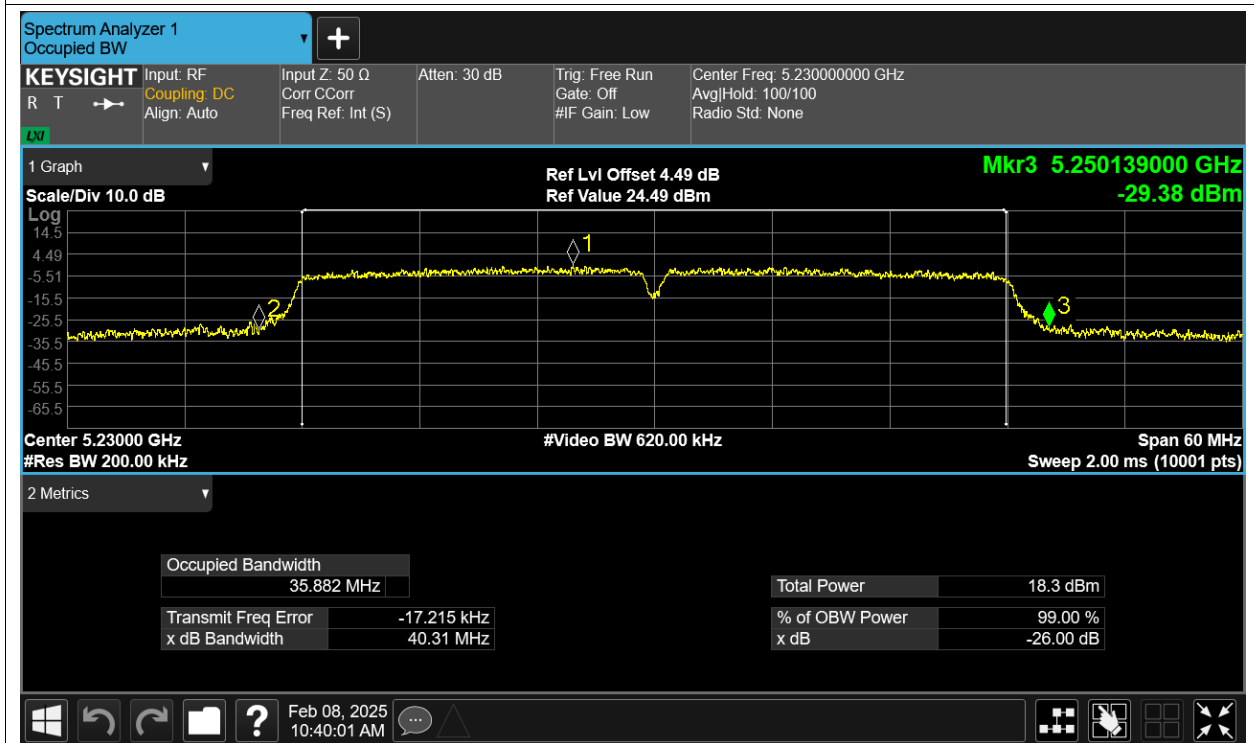
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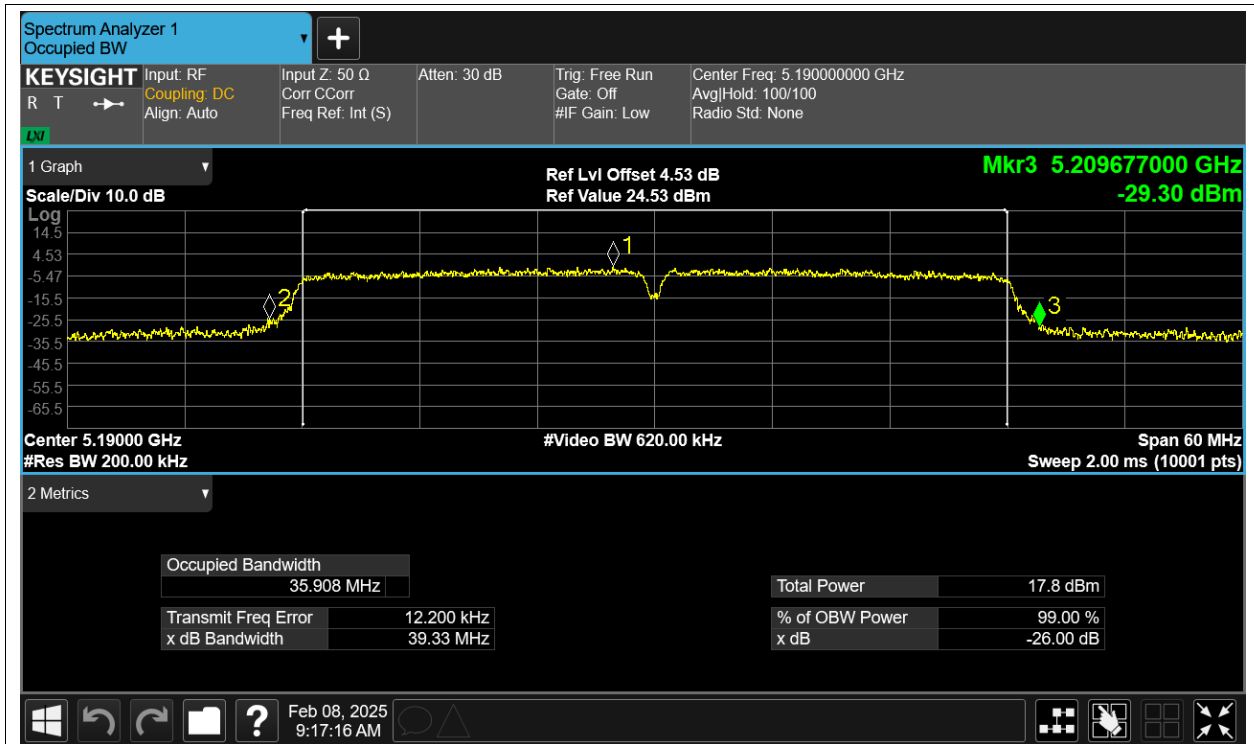
-26dB Bandwidth HVNT n40 5190MHz Ant1



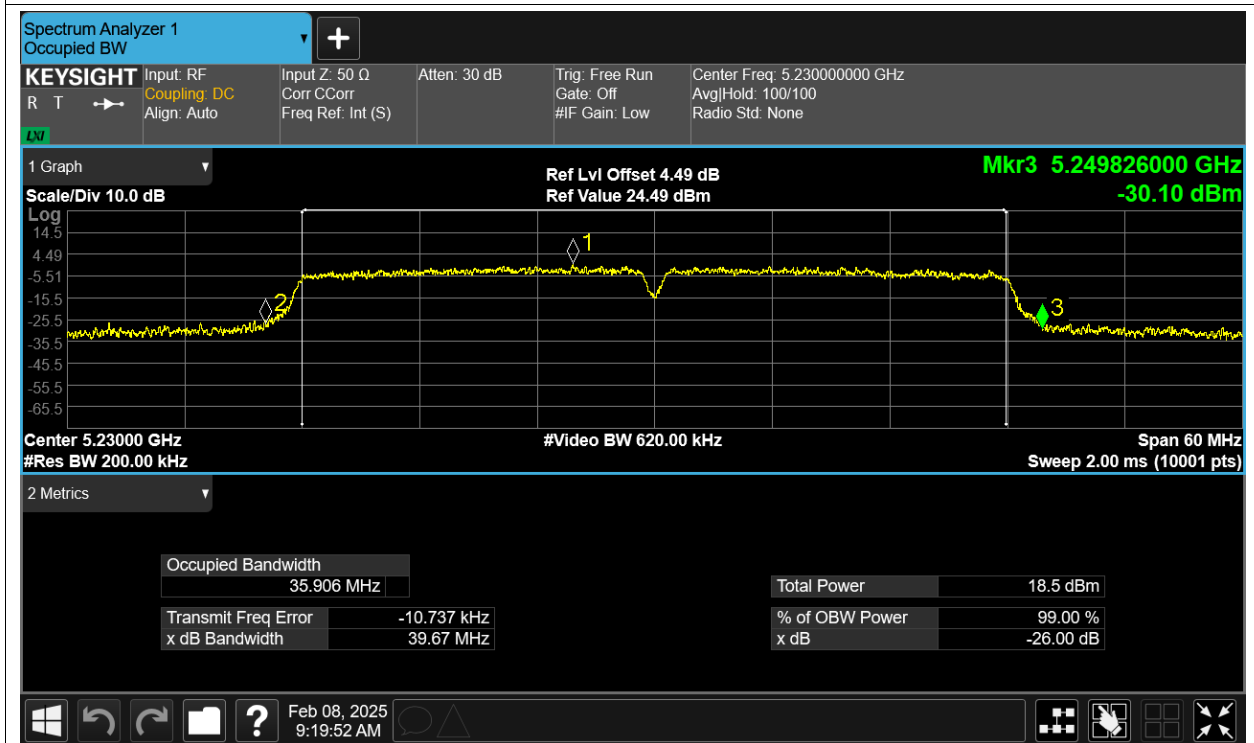
-26dB Bandwidth HVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



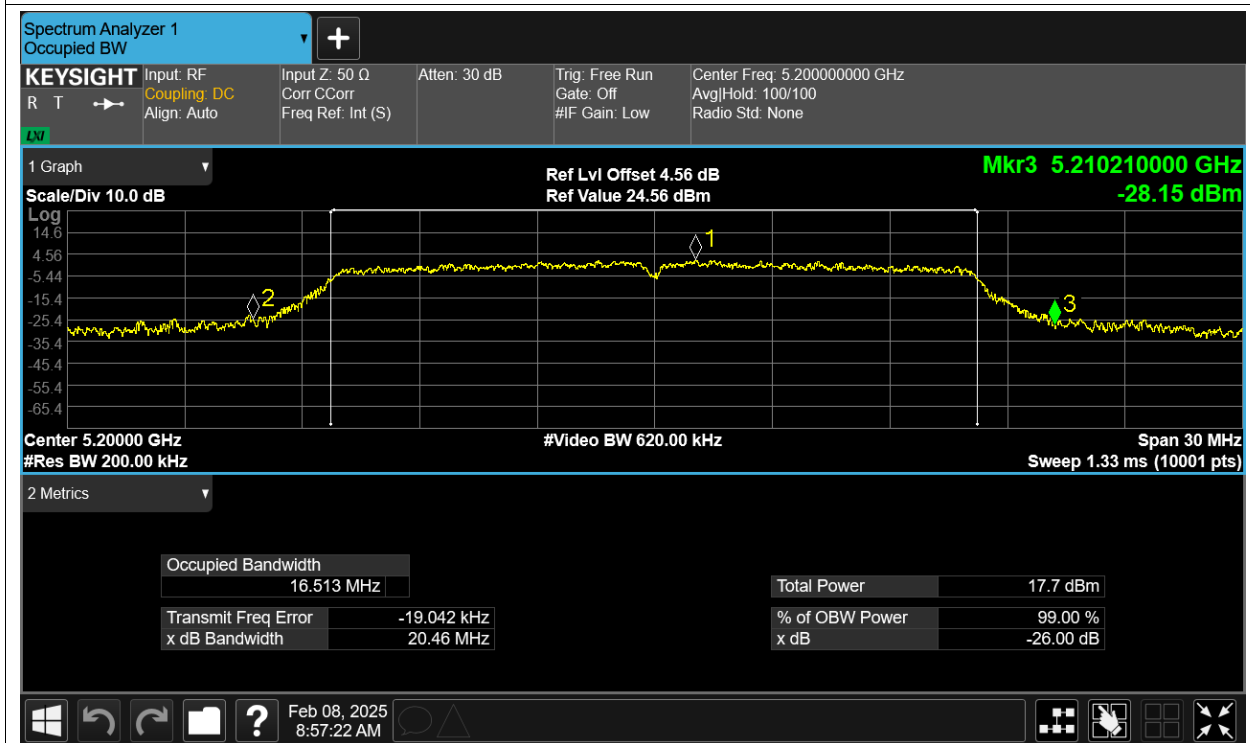
-26dB Bandwidth NVNT n40 5230MHz Ant1



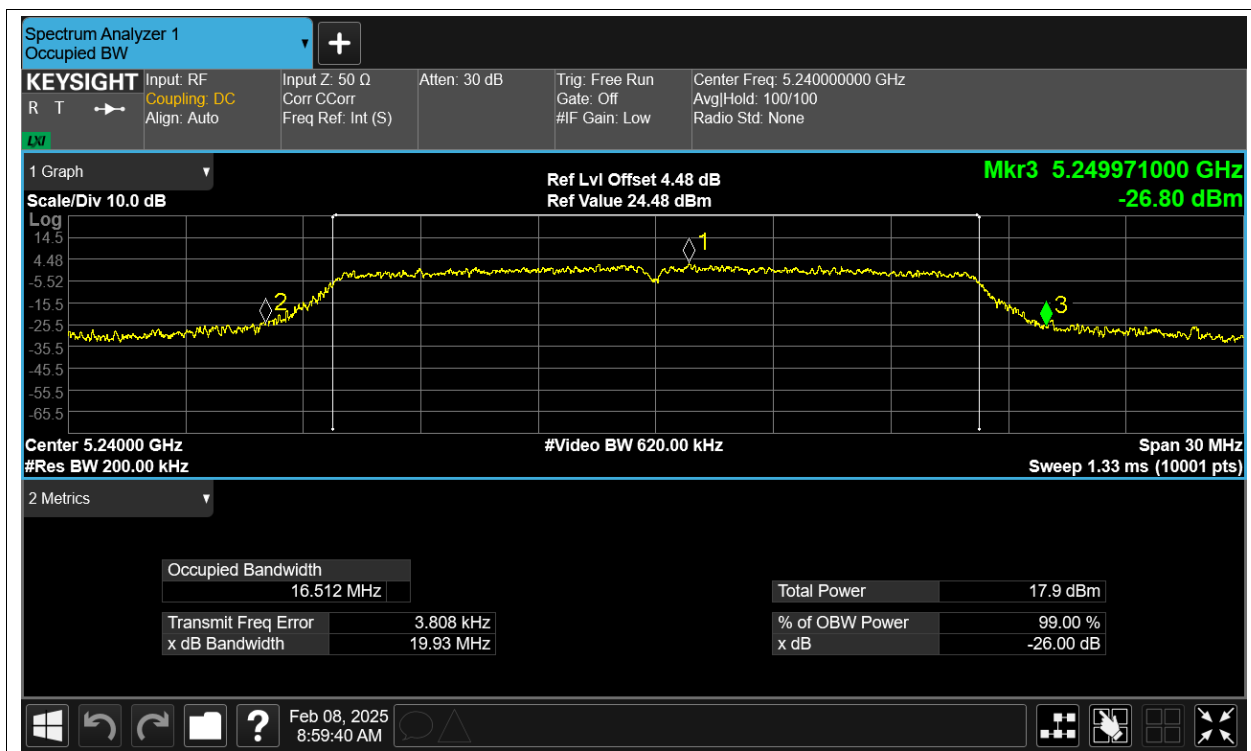
-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1

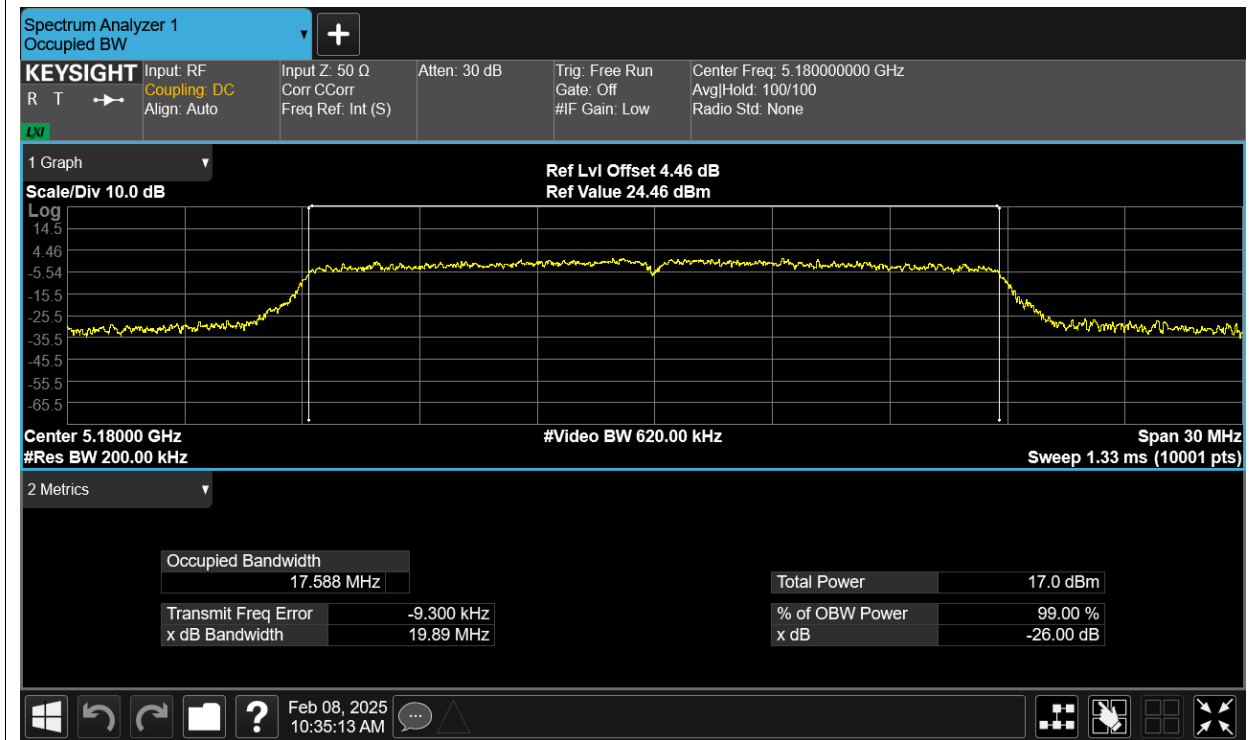


Occupied Channel Bandwidth

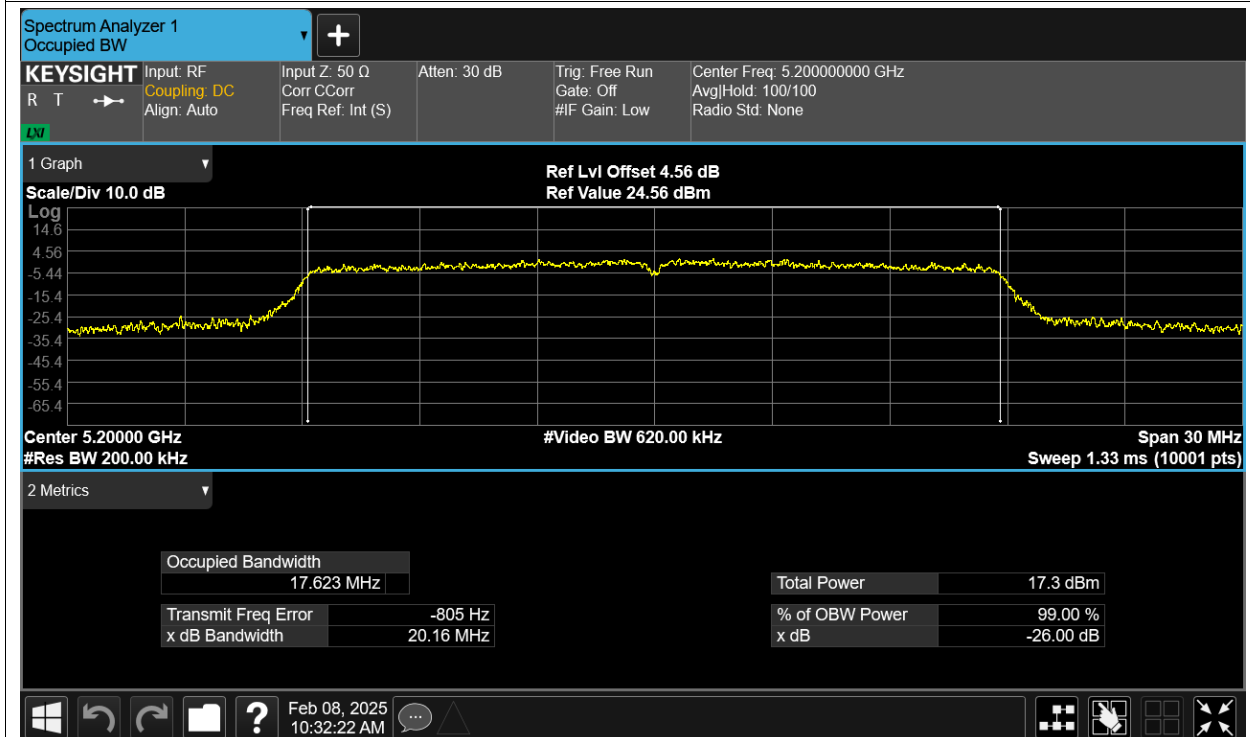
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
HVNT	ac20	5180	Ant1	17.588
HVNT	ac20	5200	Ant1	17.623
HVNT	ac20	5240	Ant1	17.616
NVNT	ac20	5180	Ant1	17.591
NVNT	ac20	5200	Ant1	17.622
NVNT	ac20	5240	Ant1	17.615
HVNT	ac40	5190	Ant1	35.935
HVNT	ac40	5230	Ant1	35.955
NVNT	ac40	5190	Ant1	36.009
NVNT	ac40	5230	Ant1	35.982
HVNT	n20	5180	Ant1	17.588
HVNT	n20	5200	Ant1	4.359
HVNT	n20	5240	Ant1	17.634
NVNT	n20	5180	Ant1	17.598
NVNT	n20	5200	Ant1	17.623
NVNT	n20	5240	Ant1	17.63
HVNT	n40	5190	Ant1	35.956
HVNT	n40	5230	Ant1	35.962
NVNT	n40	5190	Ant1	35.973
NVNT	n40	5230	Ant1	35.973
NVNT	a	5180	Ant1	16.497
NVNT	a	5200	Ant1	16.511
NVNT	a	5240	Ant1	16.517

Test Graphs

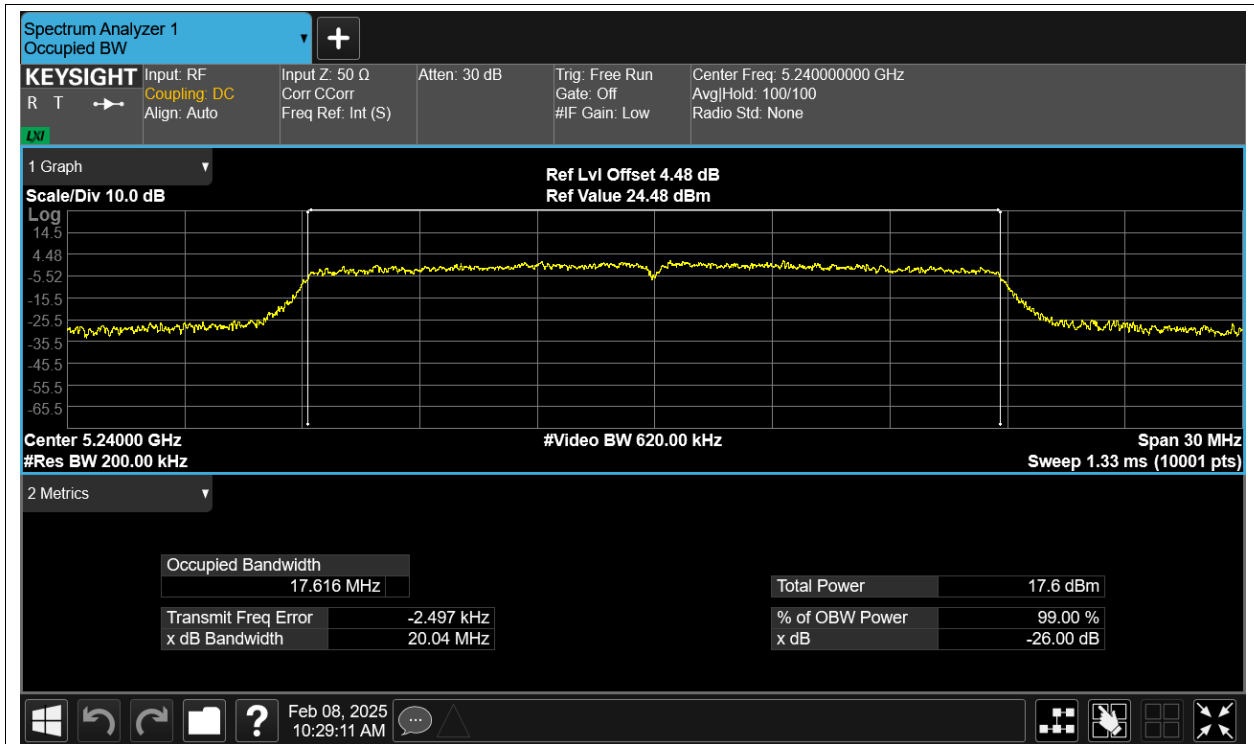
OBW HVNT ac20 5180MHz Ant1



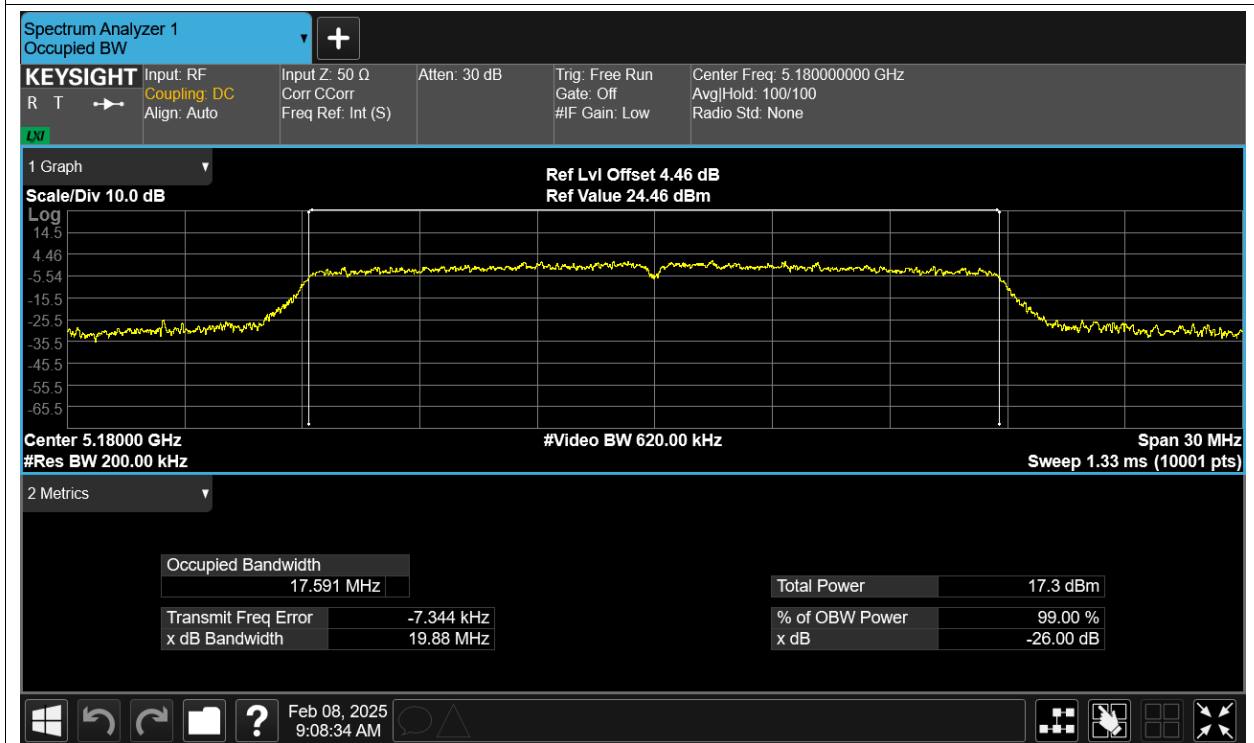
OBW HVNT ac20 5200MHz Ant1



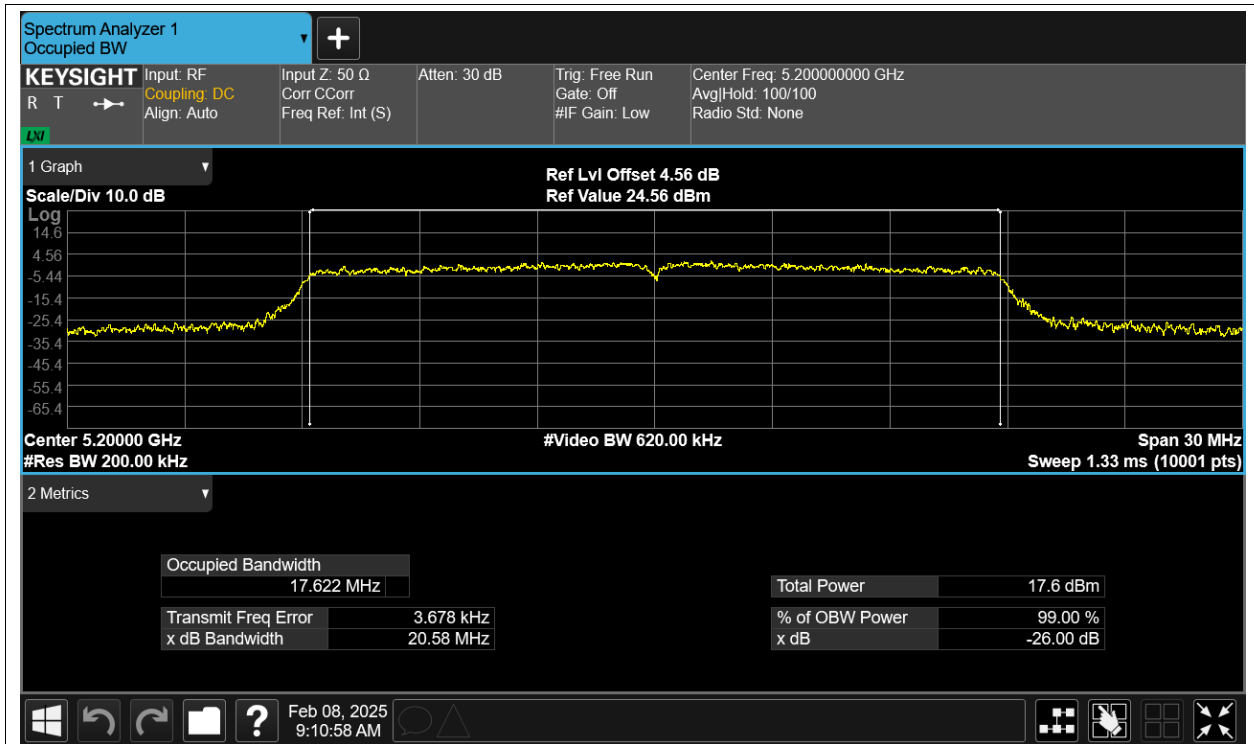
OBW HVNT ac20 5240MHz Ant1



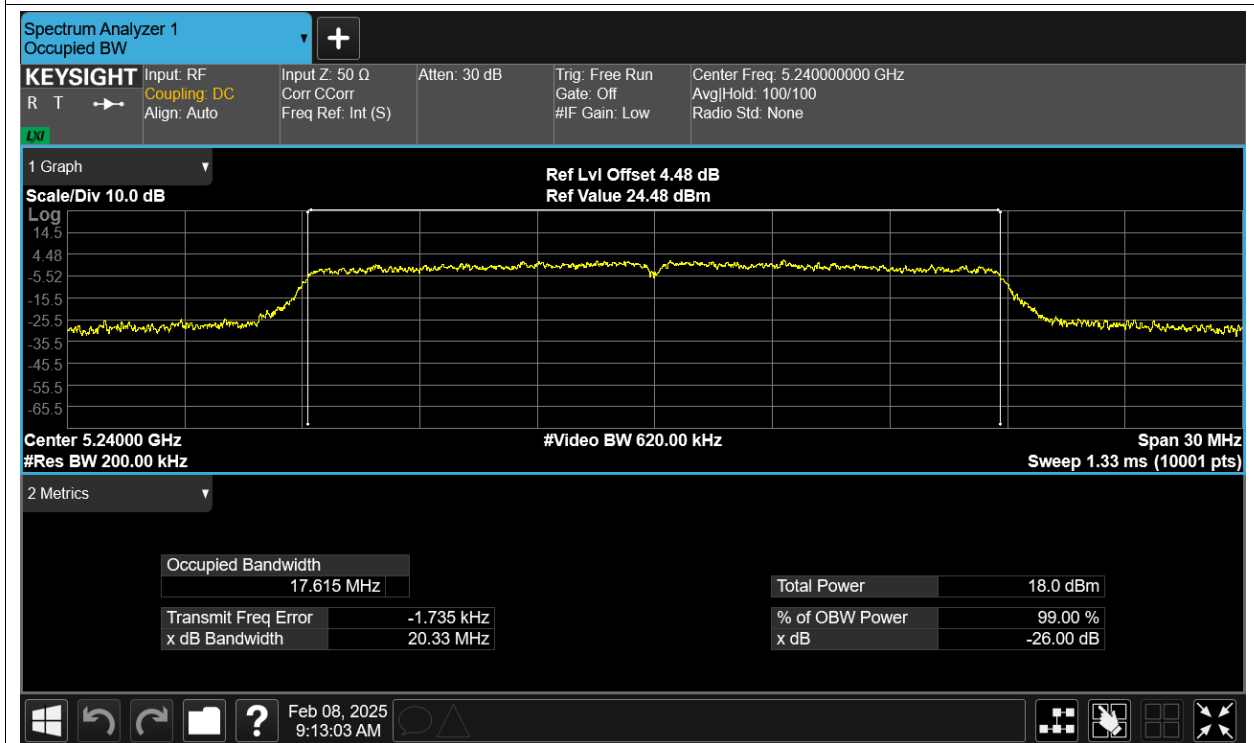
OBW NVNT ac20 5180MHz Ant1



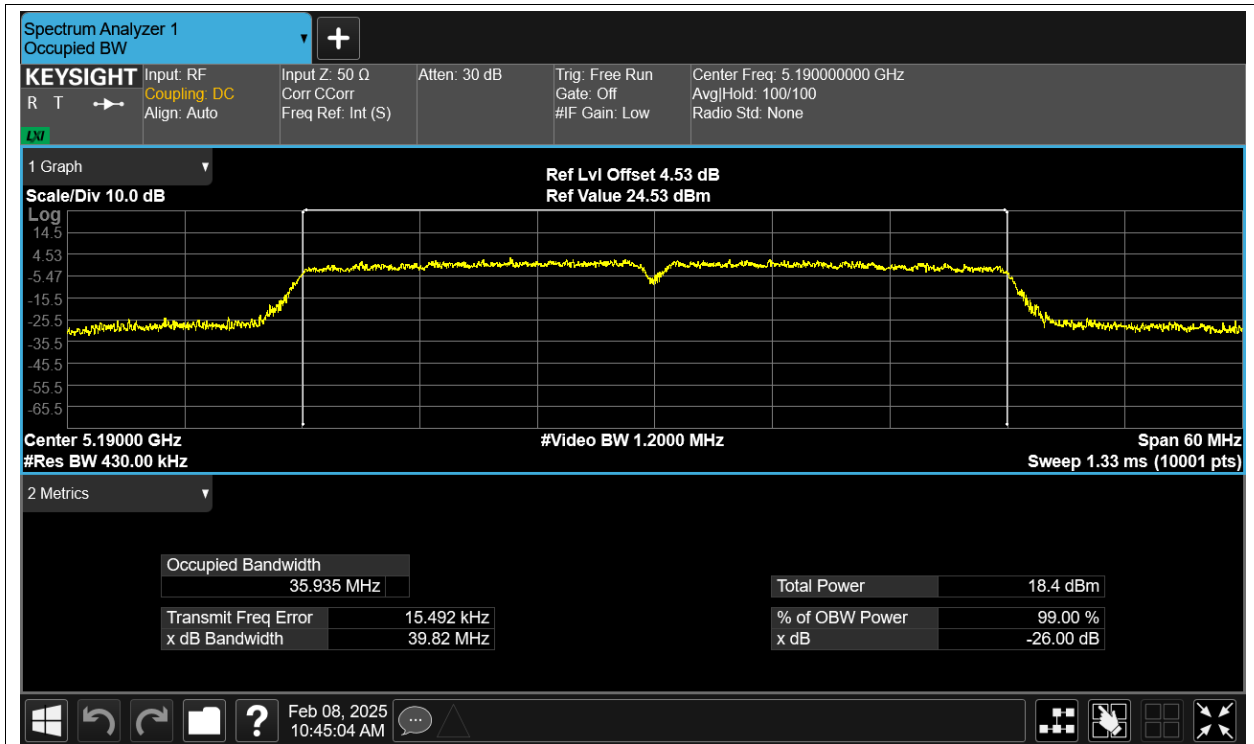
OBW NVNT ac20 5200MHz Ant1



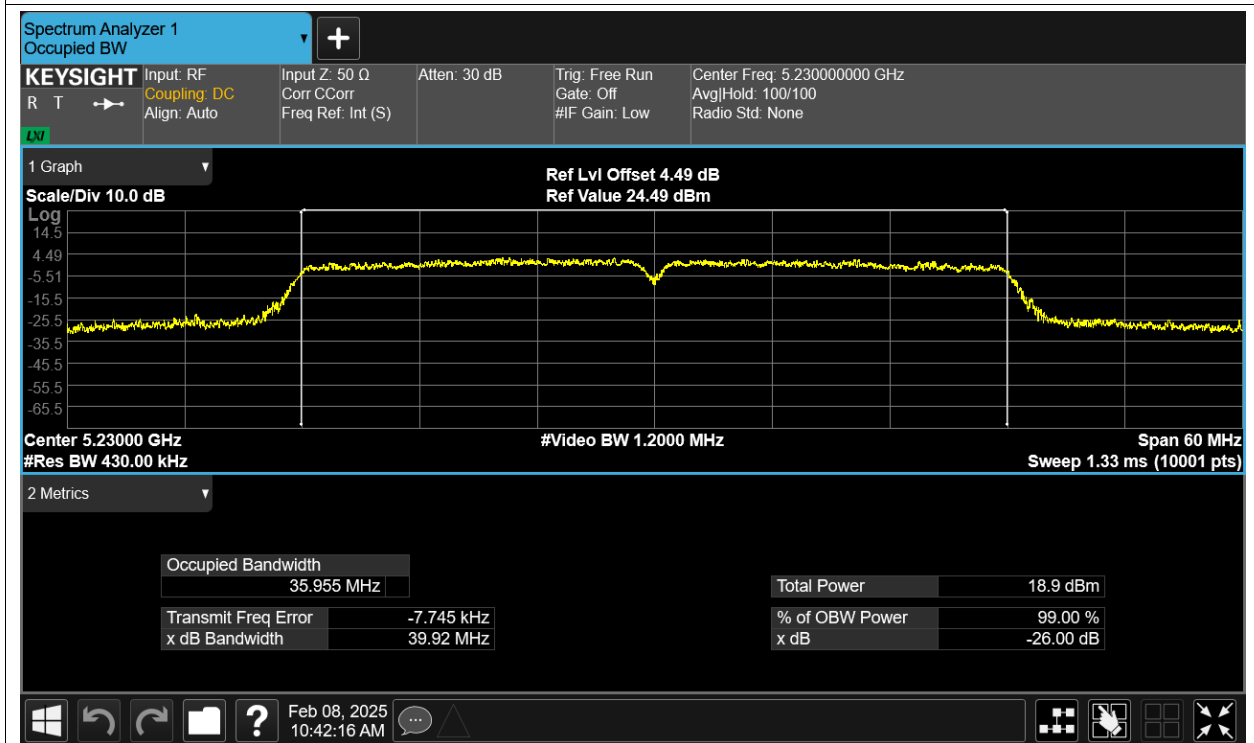
OBW NVNT ac20 5240MHz Ant1



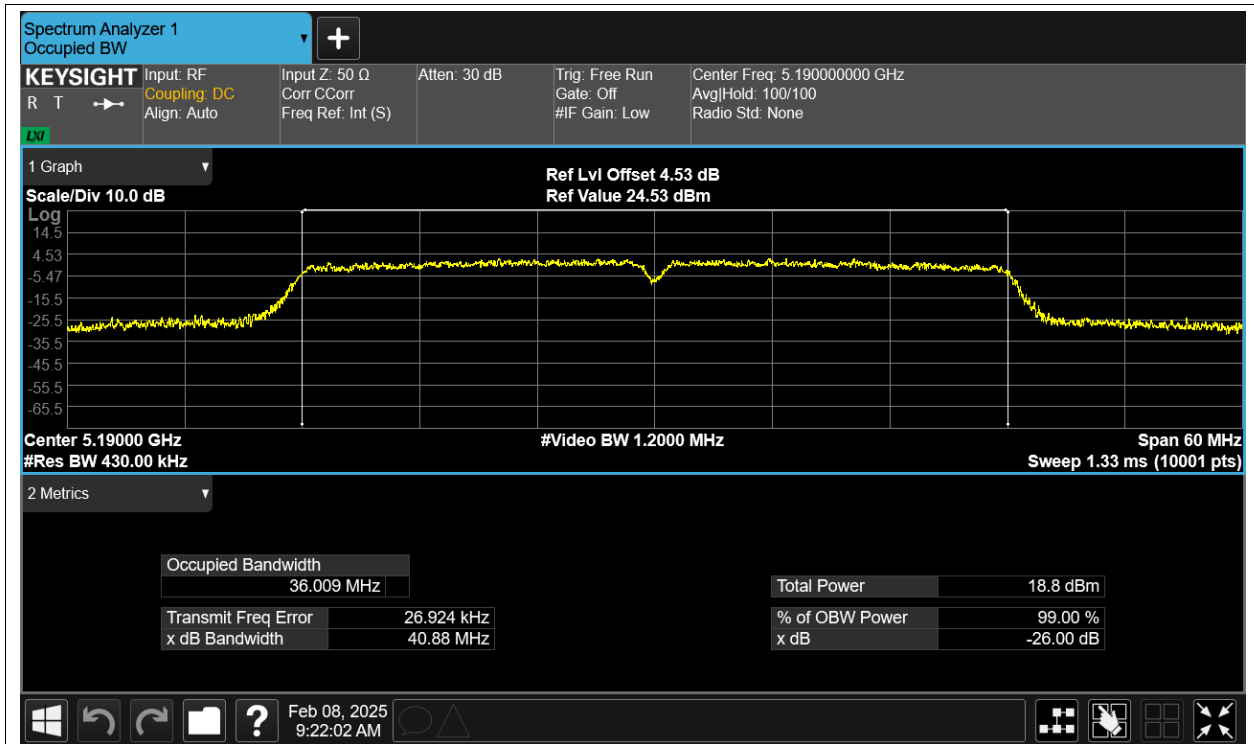
OBW HVNT ac40 5190MHz Ant1



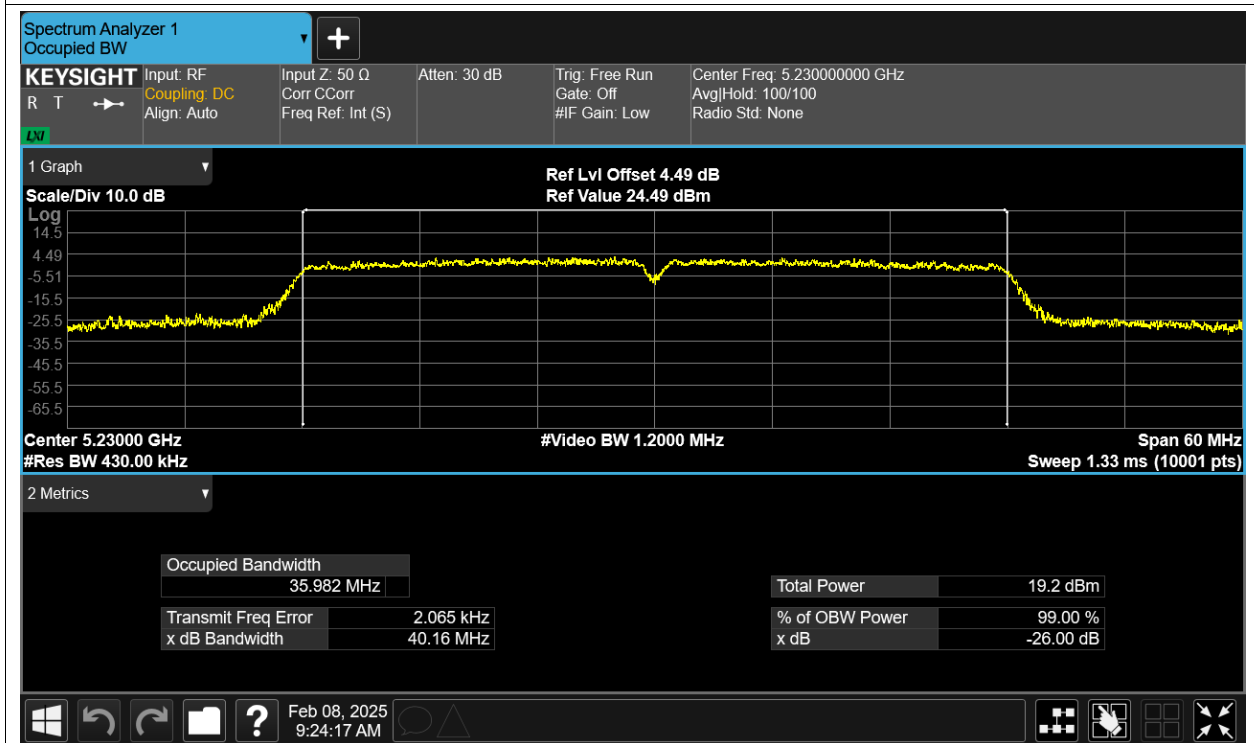
OBW HVNT ac40 5230MHz Ant1



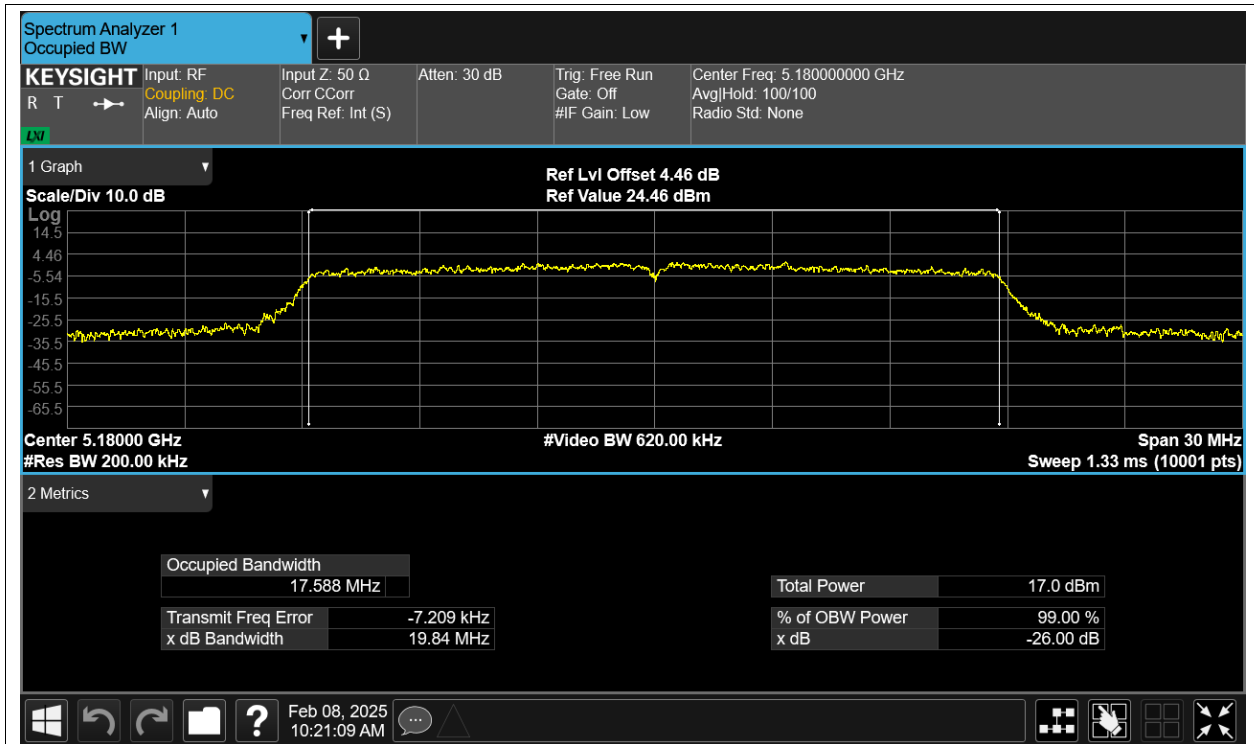
OBW NVNT ac40 5190MHz Ant1



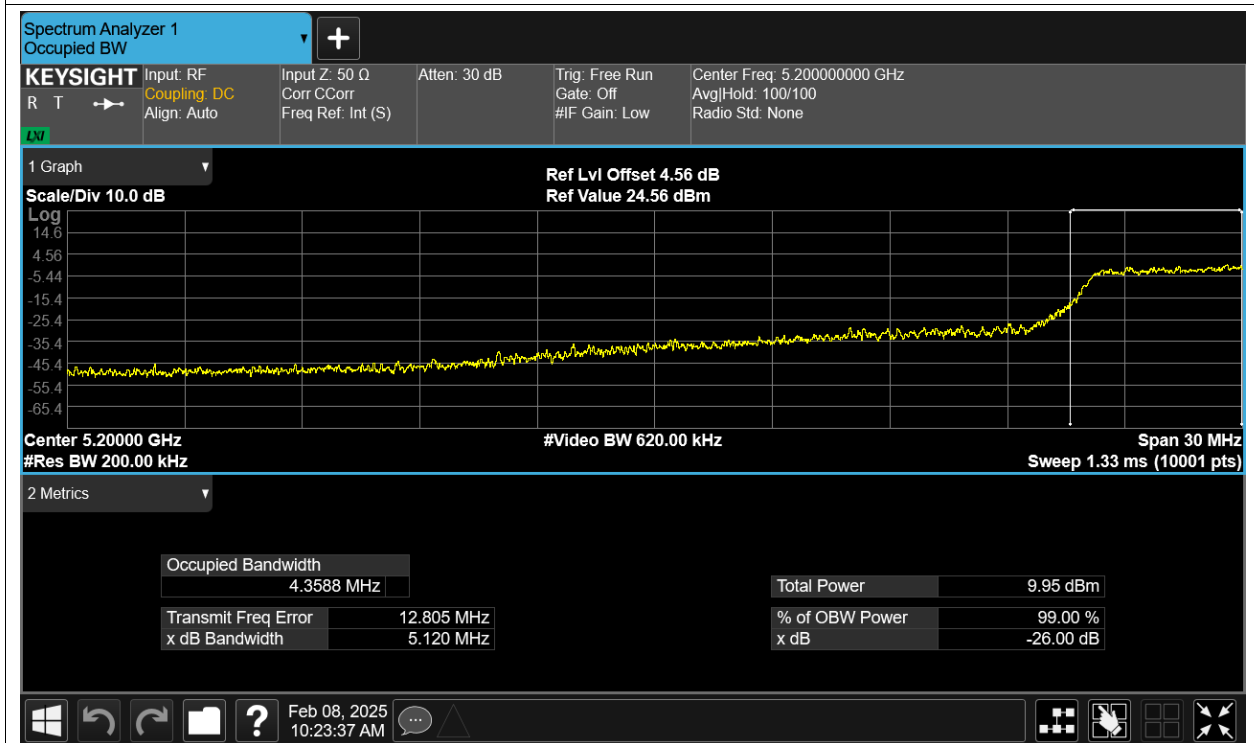
OBW NVNT ac40 5230MHz Ant1



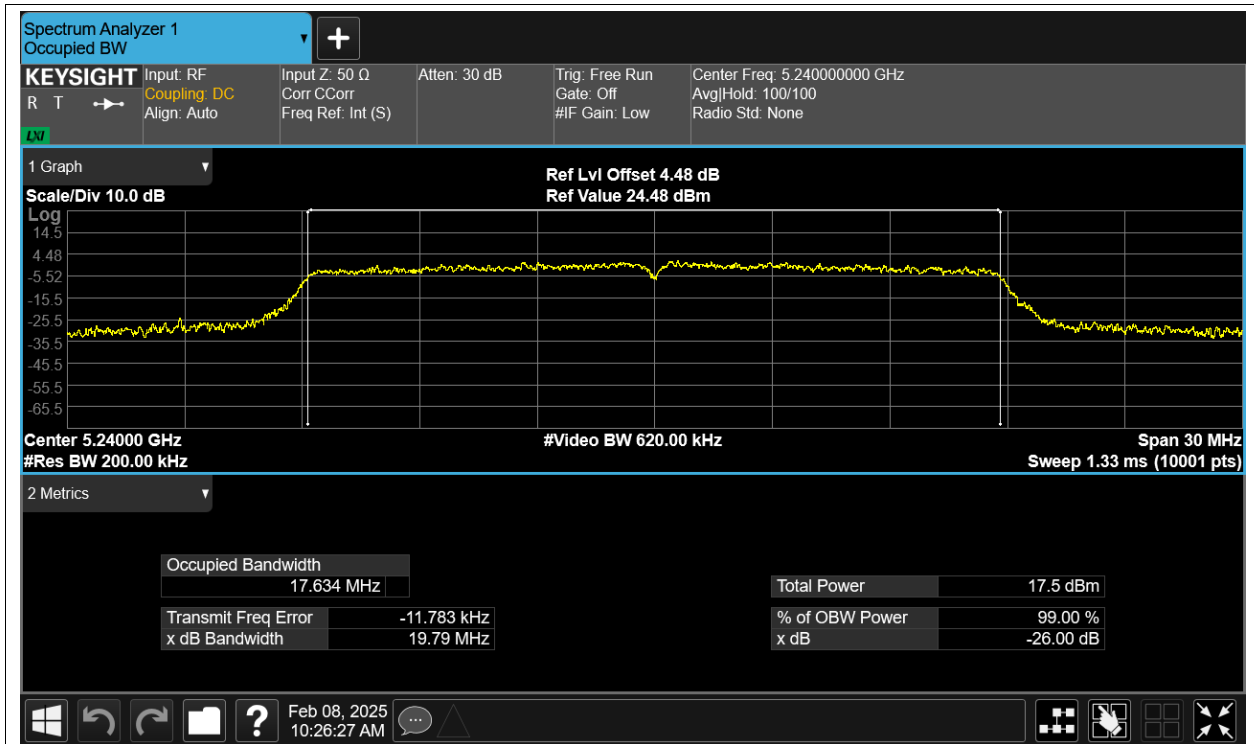
OBW HVNT n20 5180MHz Ant1



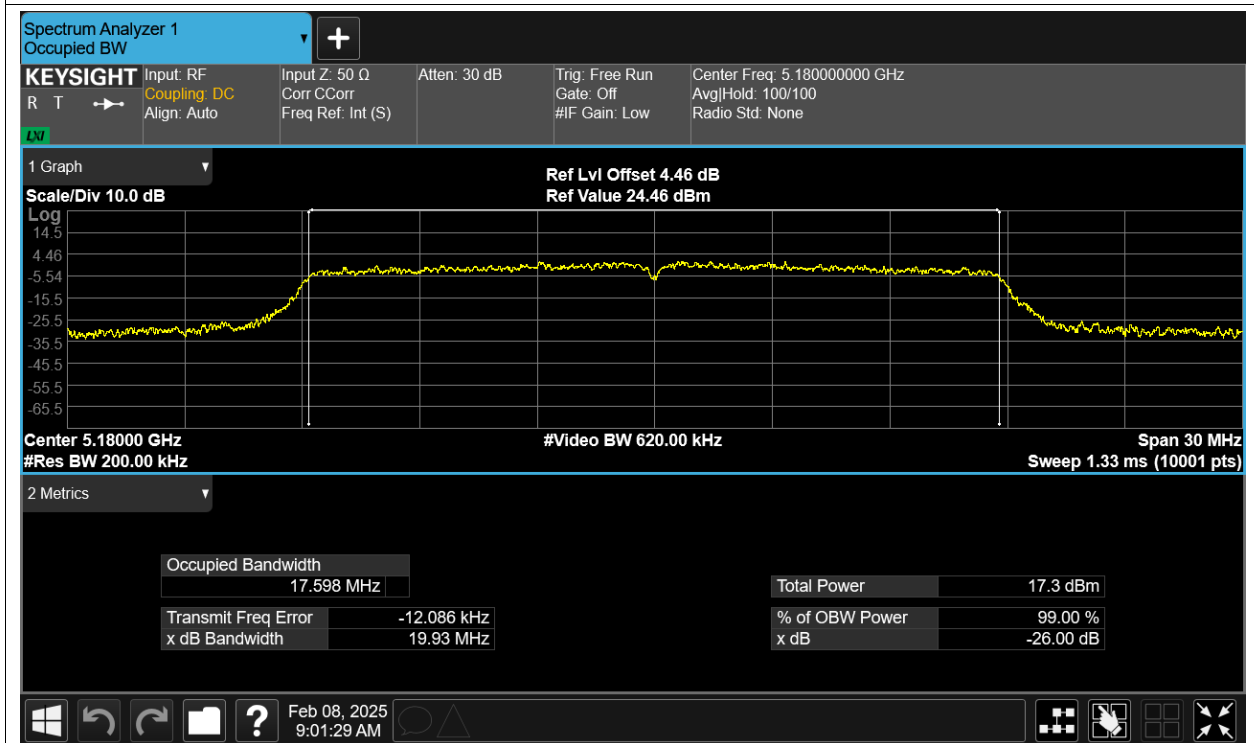
OBW HVNT n20 5200MHz Ant1



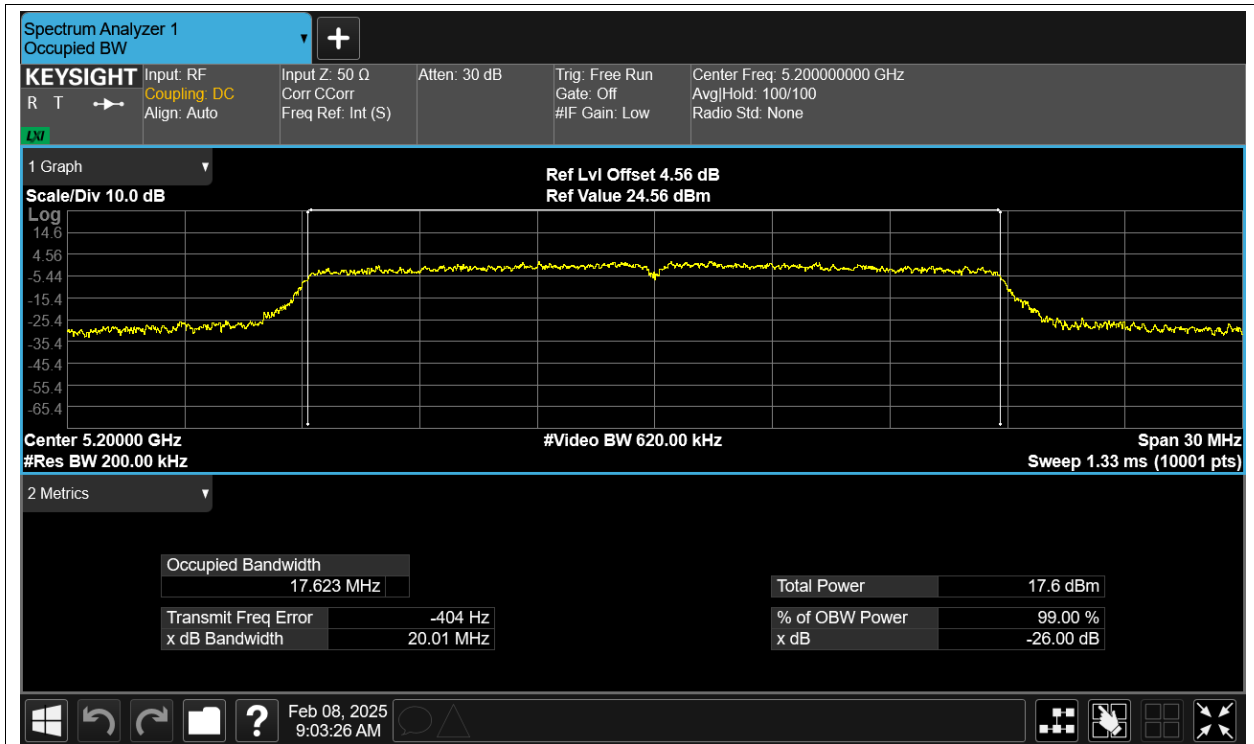
OBW HVNT n20 5240MHz Ant1



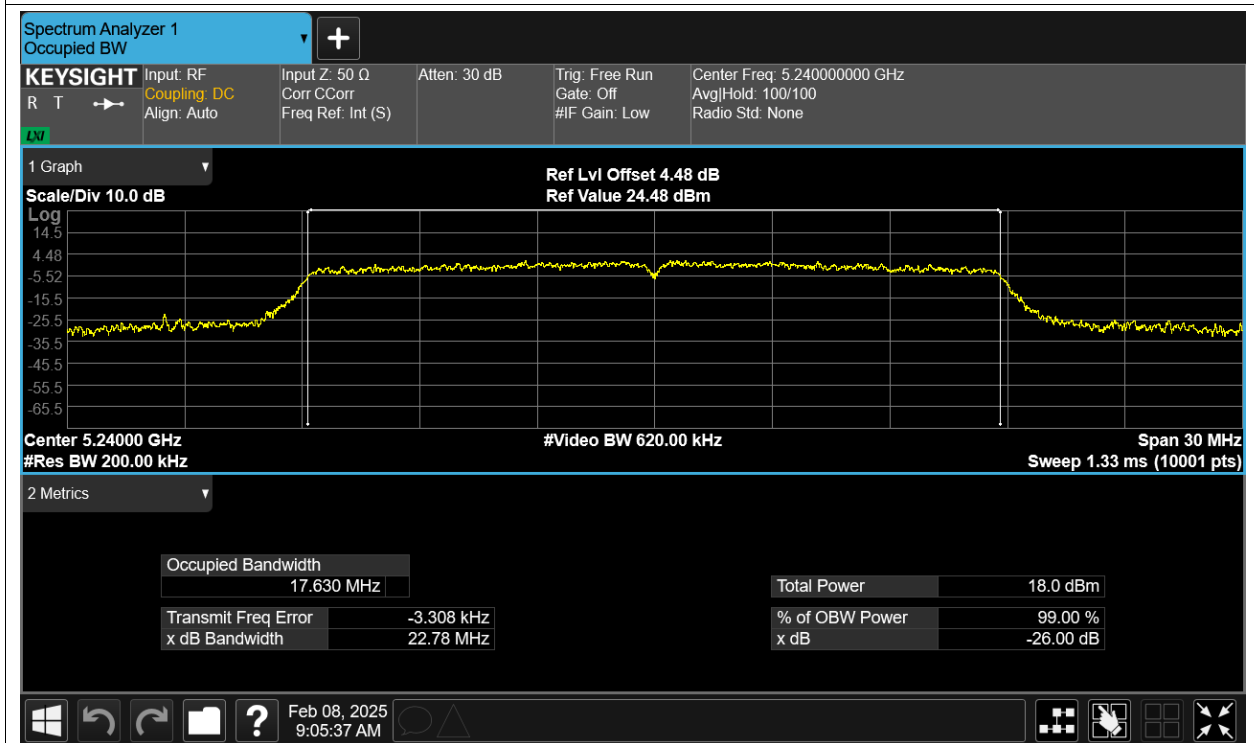
OBW NVNT n20 5180MHz Ant1



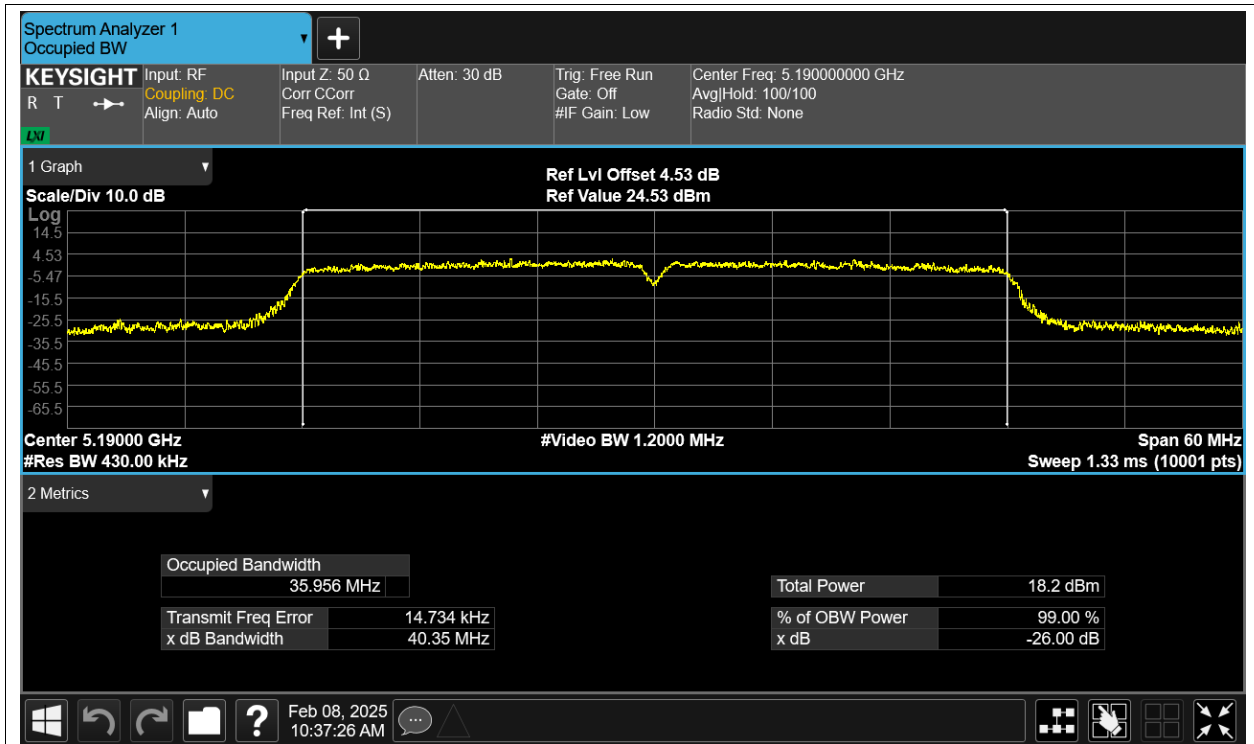
OBW NVNT n20 5200MHz Ant1



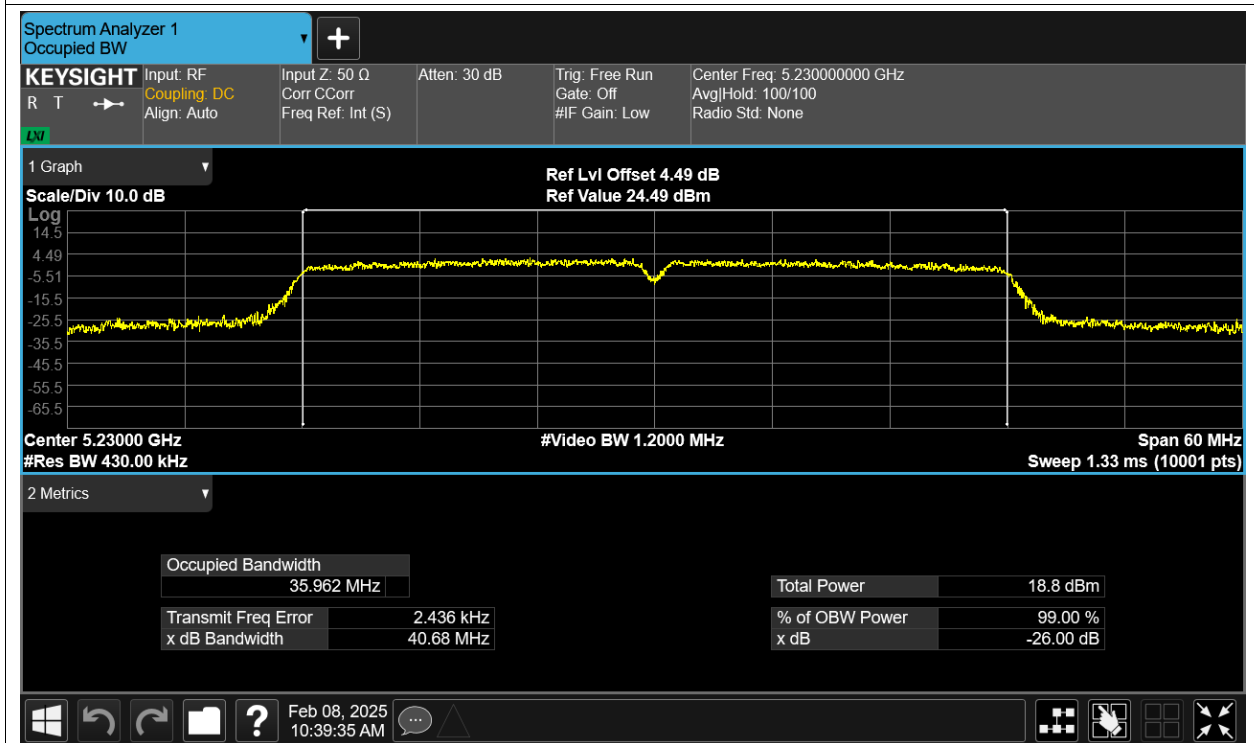
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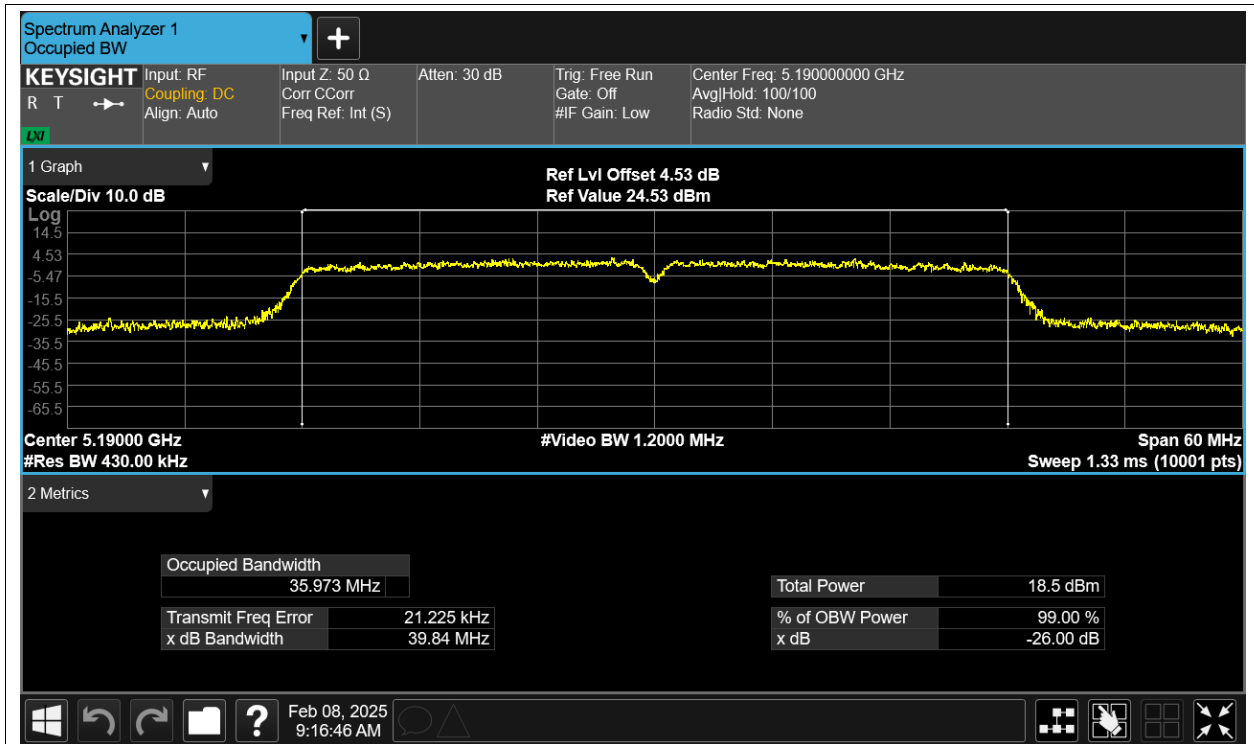
OBW HVNT n40 5190MHz Ant1



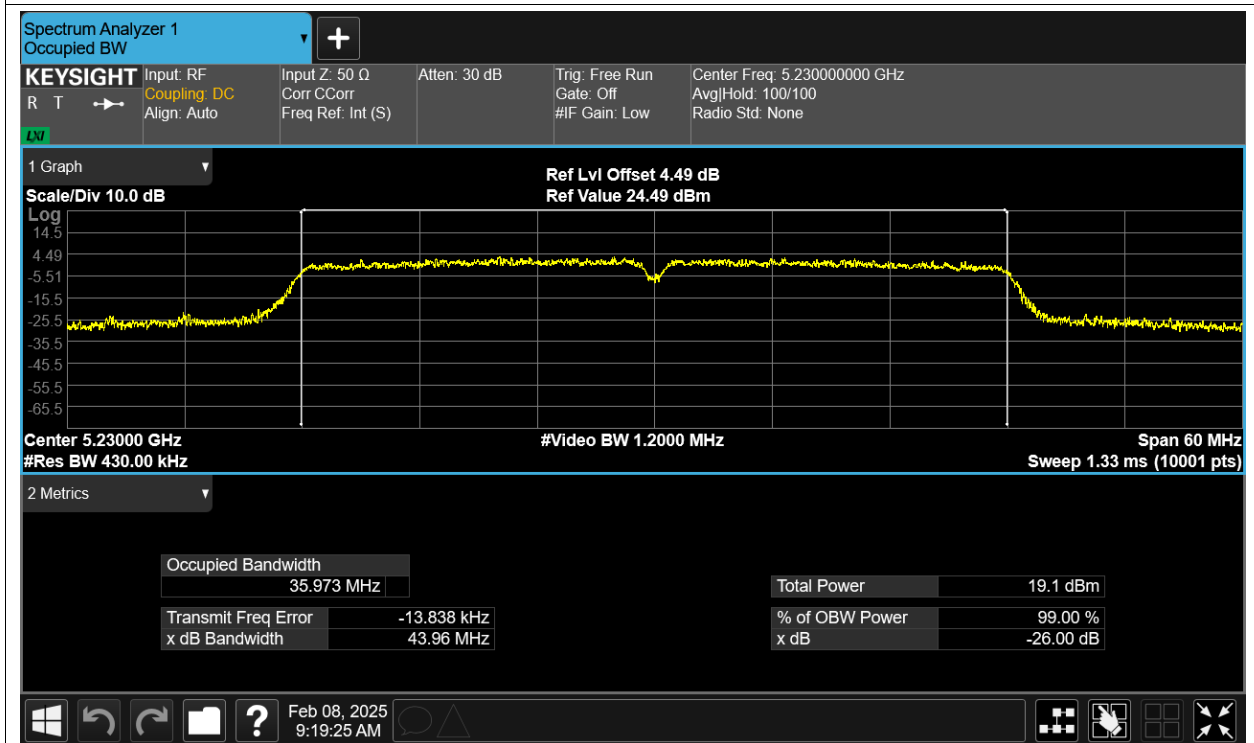
OBW HVNT n40 5230MHz Ant1



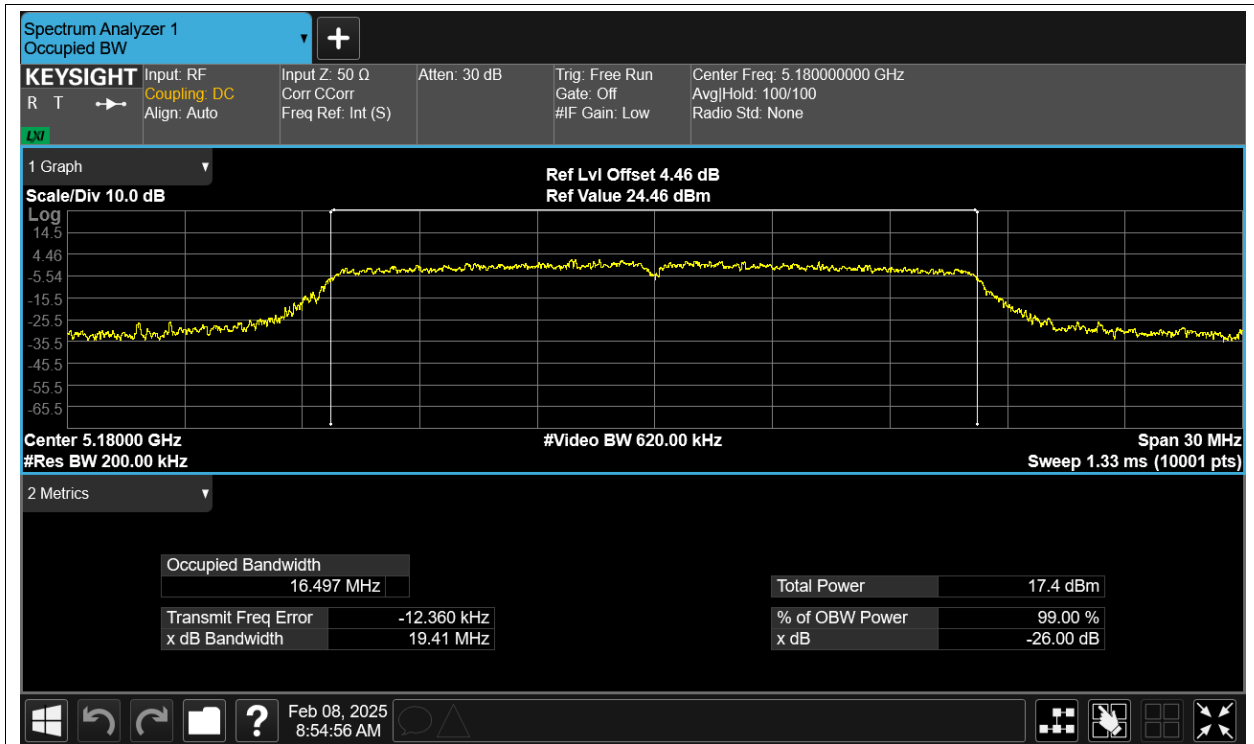
OBW NVNT n40 5190MHz Ant1



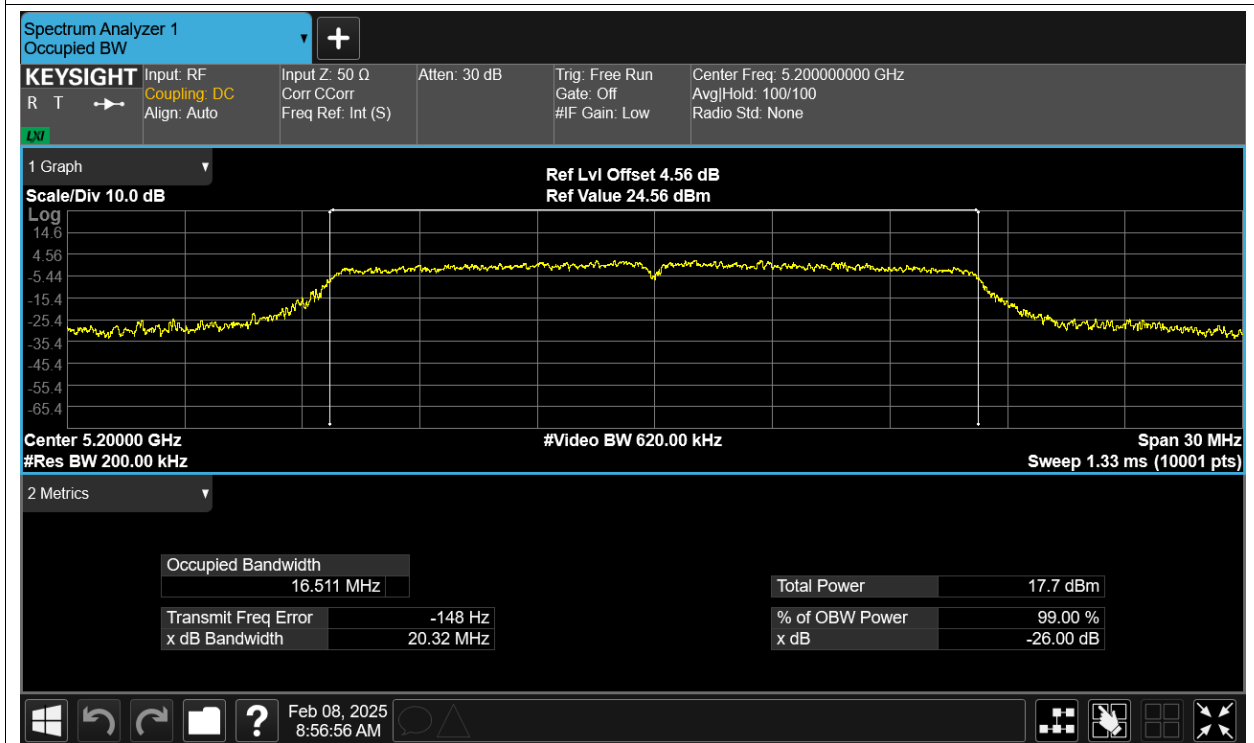
OBW NVNT n40 5230MHz Ant1



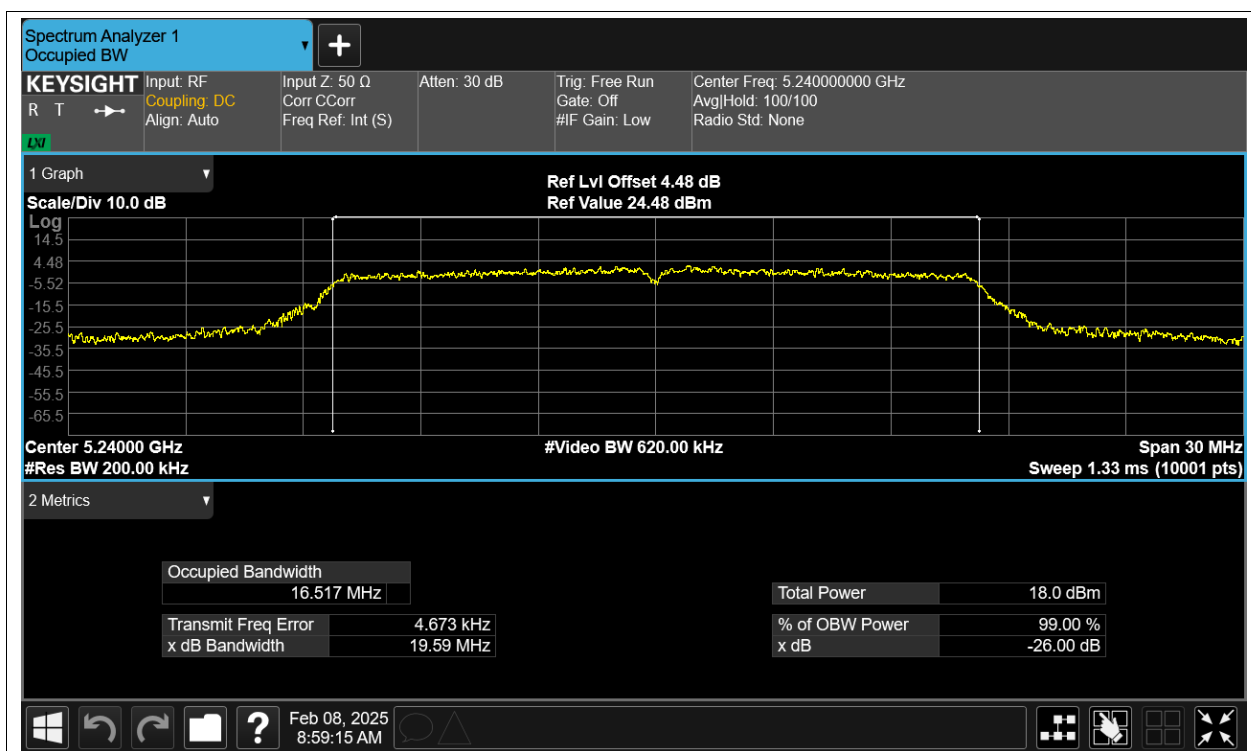
OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1



OBW NVNT a 5240MHz Ant1

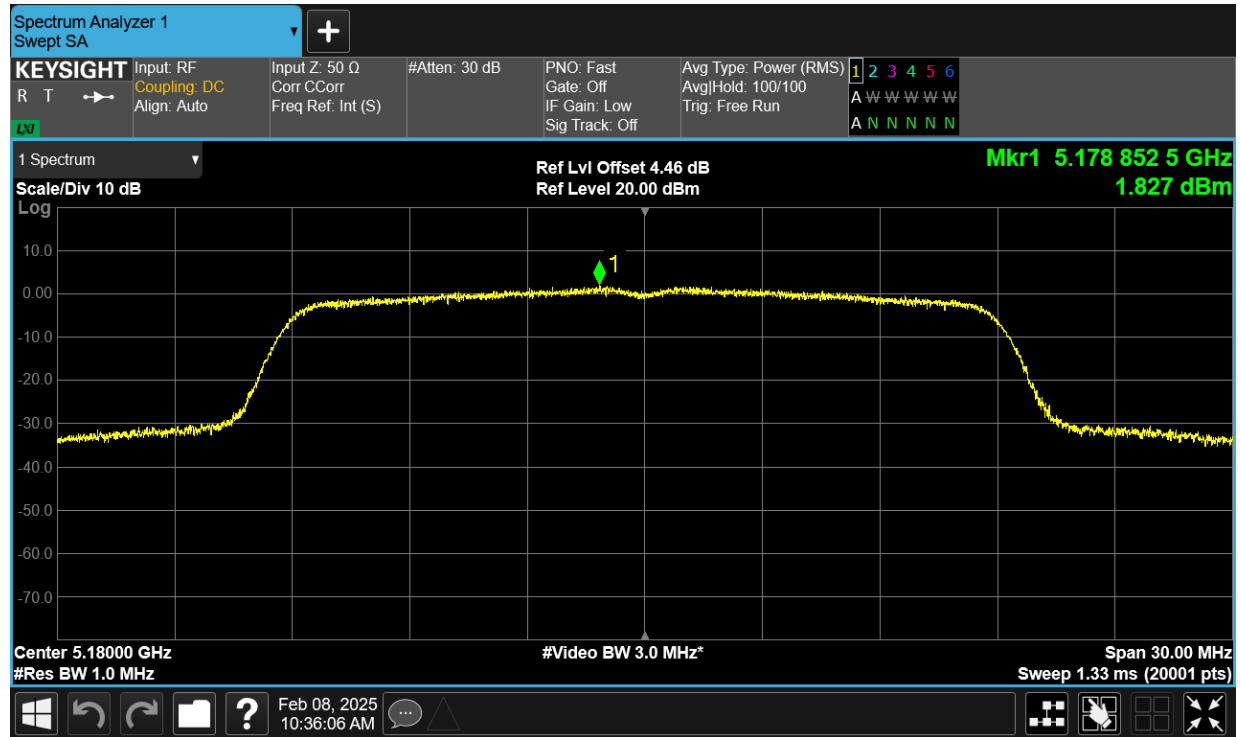


Maximum Power Spectral Density Level

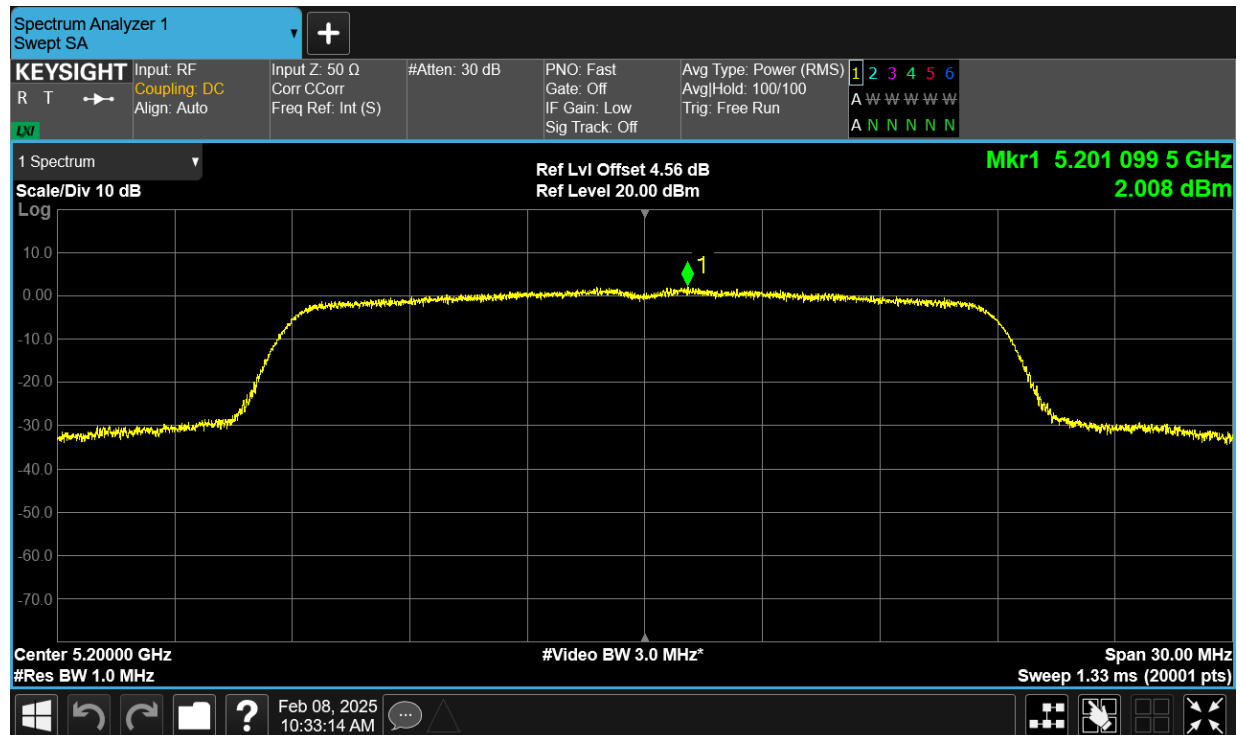
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
HVNT	ac20	5180	Ant1	1.827	11	Pass
HVNT	ac20	5200	Ant1	2.008	11	Pass
HVNT	ac20	5240	Ant1	2.433	11	Pass
NVNT	ac20	5180	Ant1	2.258	11	Pass
NVNT	ac20	5200	Ant1	2.674	11	Pass
NVNT	ac20	5240	Ant1	2.631	11	Pass
HVNT	ac40	5190	Ant1	-0.517	11	Pass
HVNT	ac40	5230	Ant1	0.049	11	Pass
NVNT	ac40	5190	Ant1	-0.027	11	Pass
NVNT	ac40	5230	Ant1	0.24	11	Pass
HVNT	n20	5180	Ant1	1.855	11	Pass
HVNT	n20	5200	Ant1	0.85	11	Pass
HVNT	n20	5240	Ant1	2.087	11	Pass
NVNT	n20	5180	Ant1	2.171	11	Pass
NVNT	n20	5200	Ant1	2.321	11	Pass
NVNT	n20	5240	Ant1	2.842	11	Pass
HVNT	n40	5190	Ant1	-0.732	11	Pass
HVNT	n40	5230	Ant1	0.017	11	Pass
NVNT	n40	5190	Ant1	-0.439	11	Pass
NVNT	n40	5230	Ant1	0.234	11	Pass
NVNT	a	5180	Ant1	2.299	11	Pass
NVNT	a	5200	Ant1	2.549	11	Pass
NVNT	a	5240	Ant1	2.805	11	Pass

Test Graphs

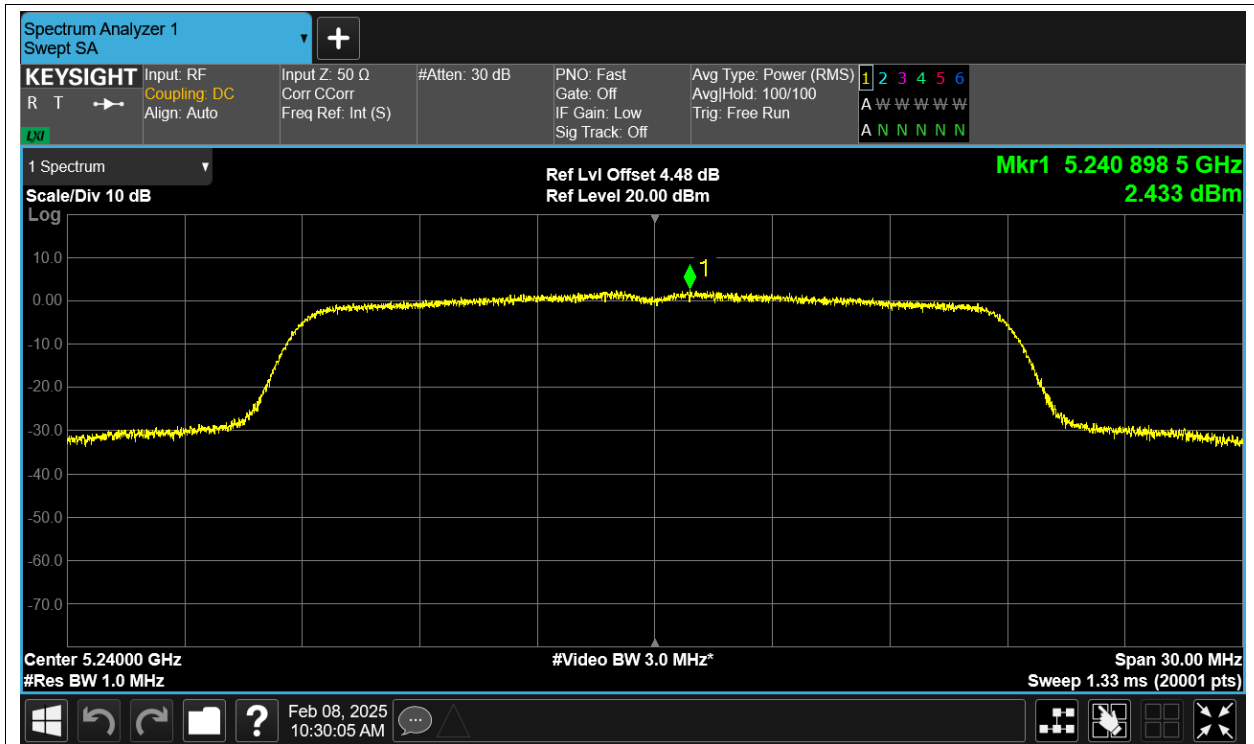
PSD HVNT ac20 5180MHz Ant1



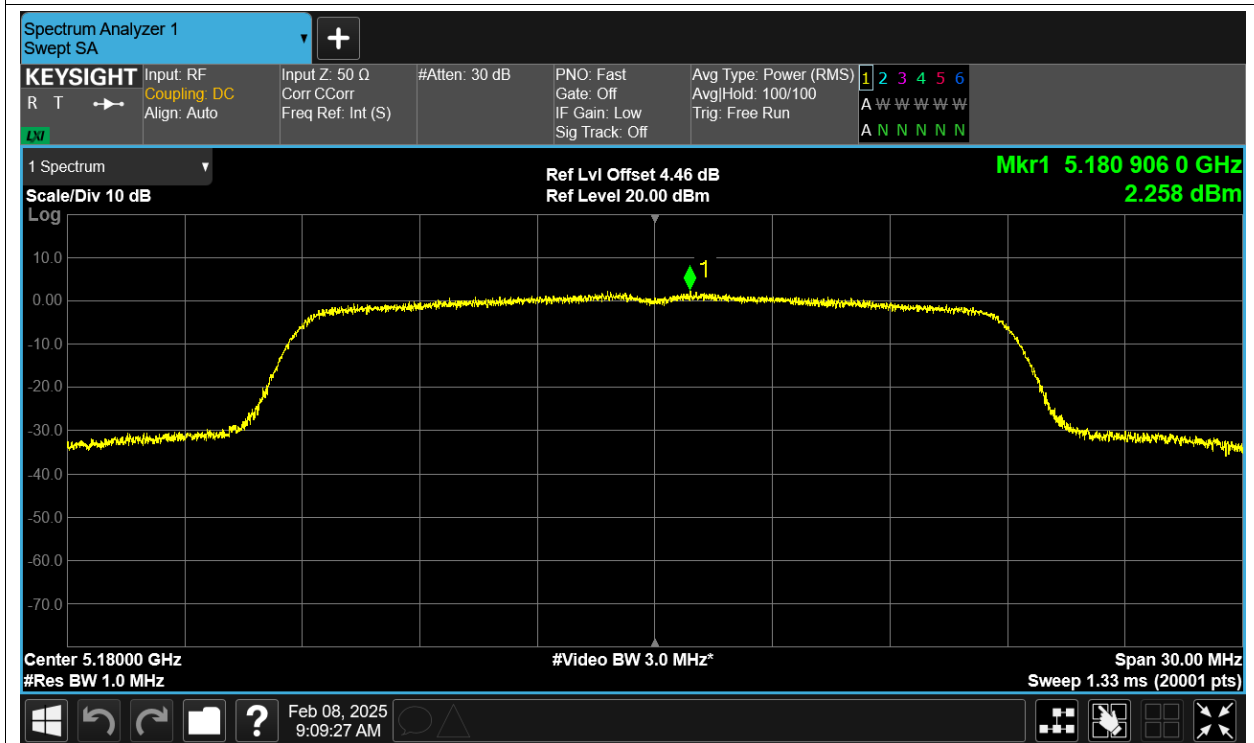
PSD HVNT ac20 5200MHz Ant1



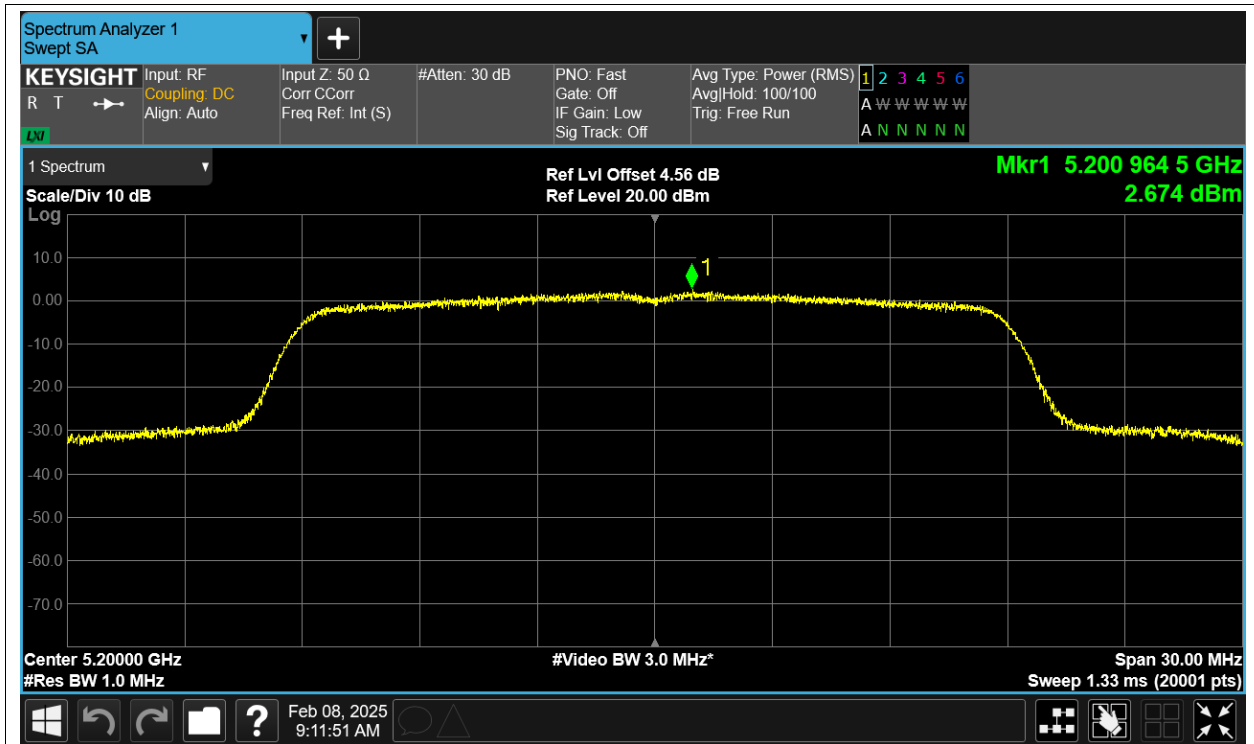
PSD HVNT ac20 5240MHz Ant1



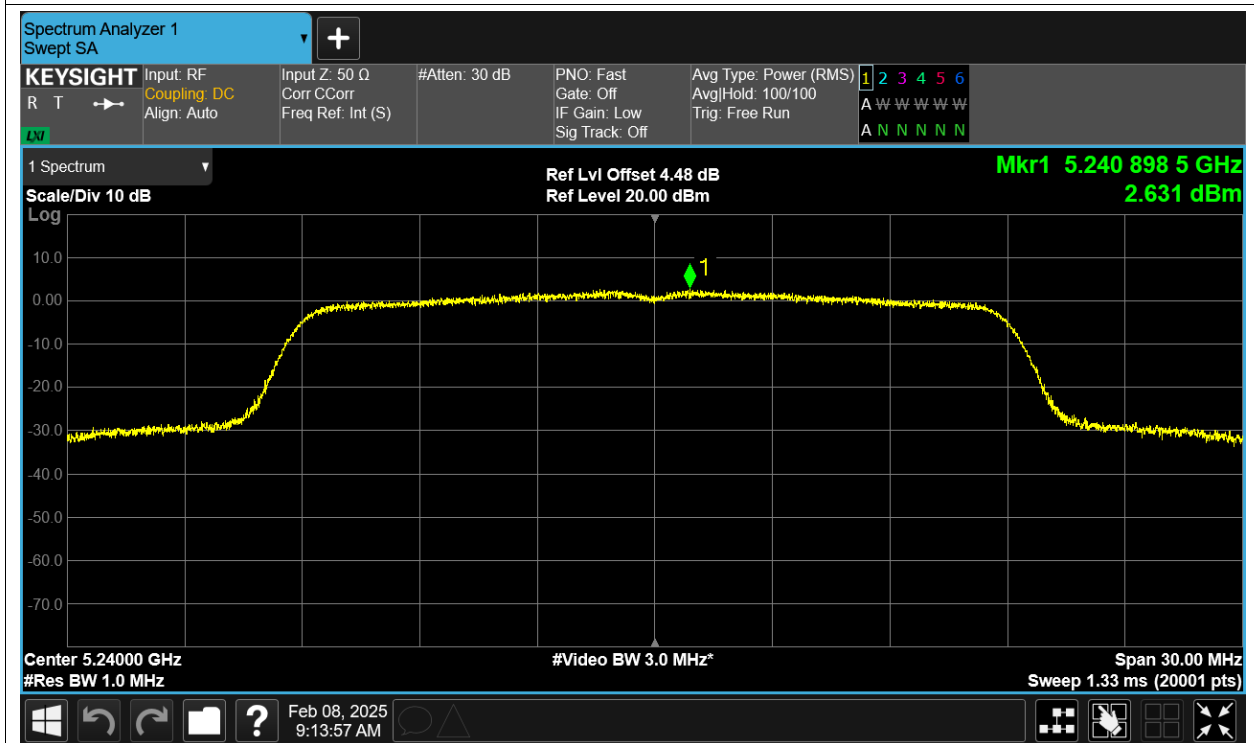
PSD NVNT ac20 5180MHz Ant1



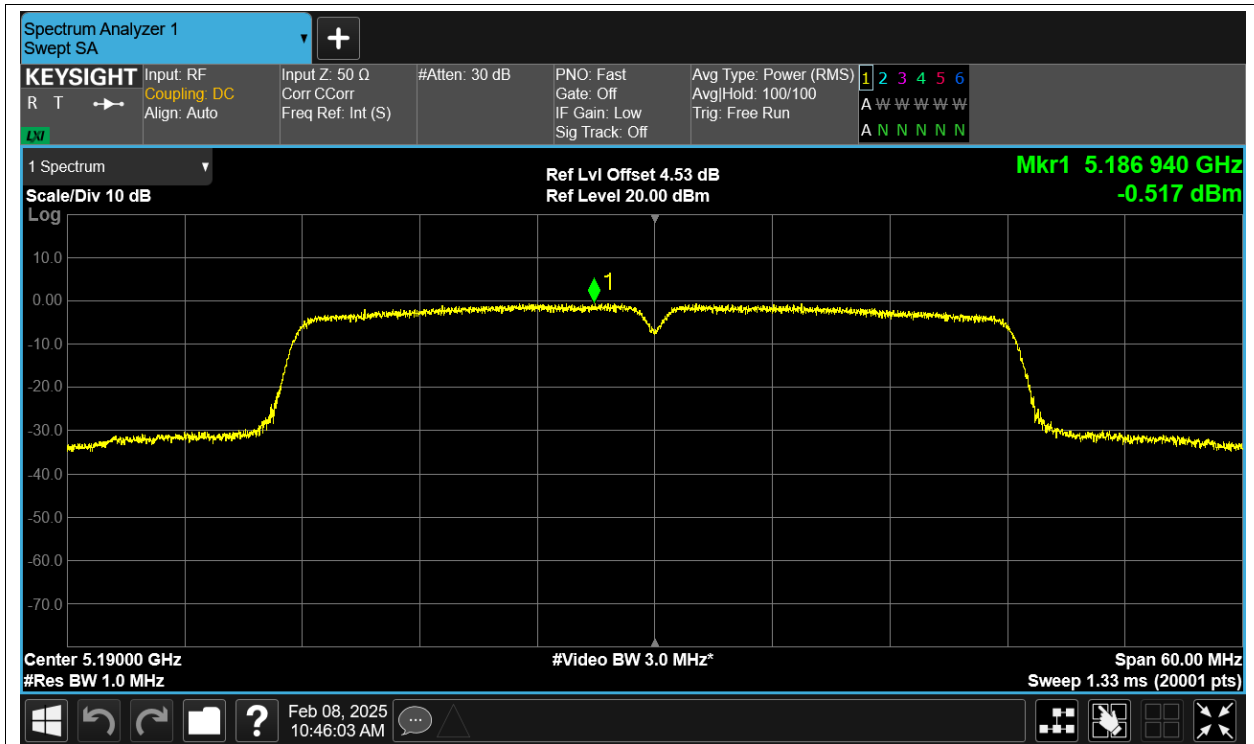
PSD NVNT ac20 5200MHz Ant1



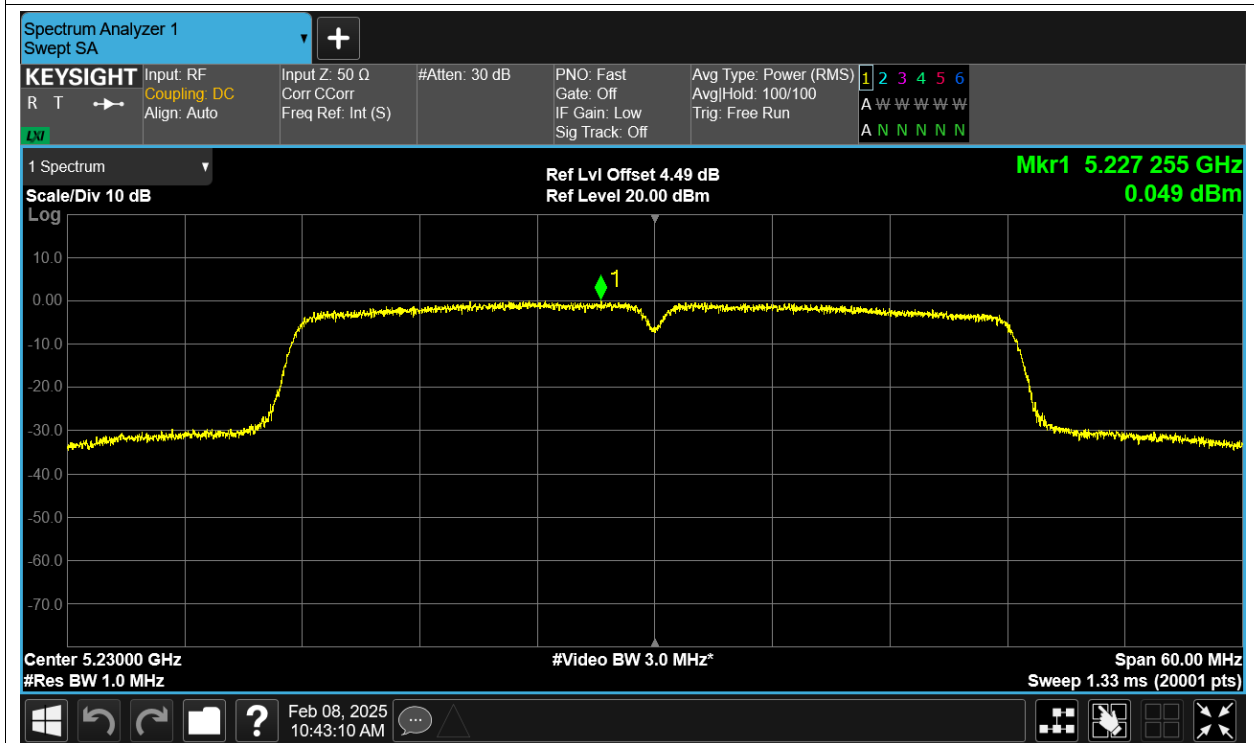
PSD NVNT ac20 5240MHz Ant1



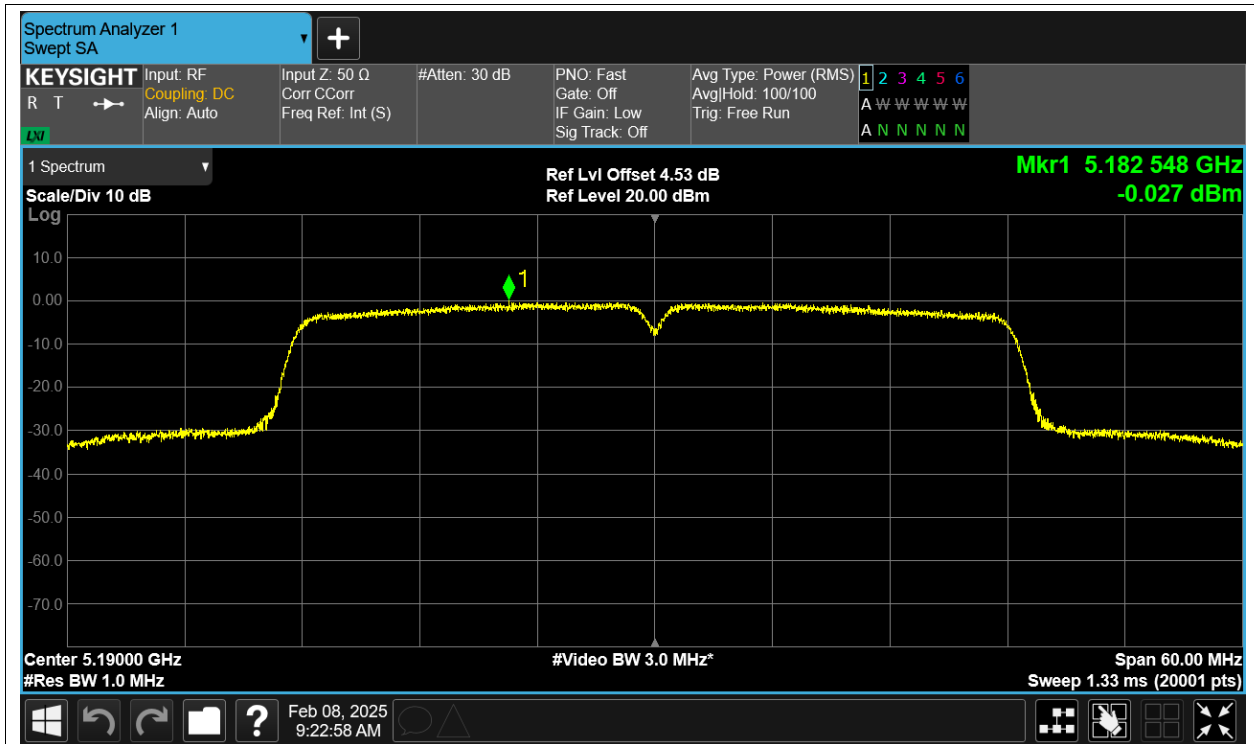
PSD HVNT ac40 5190MHz Ant1



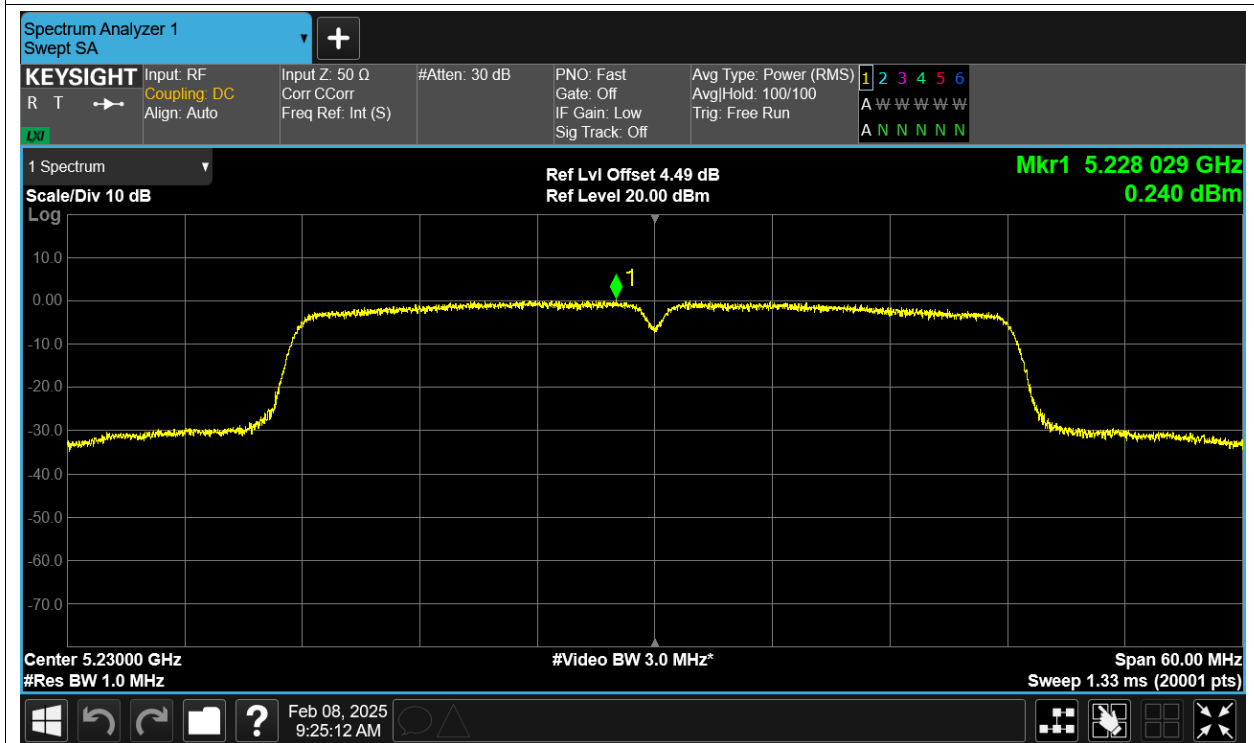
PSD HVNT ac40 5230MHz Ant1



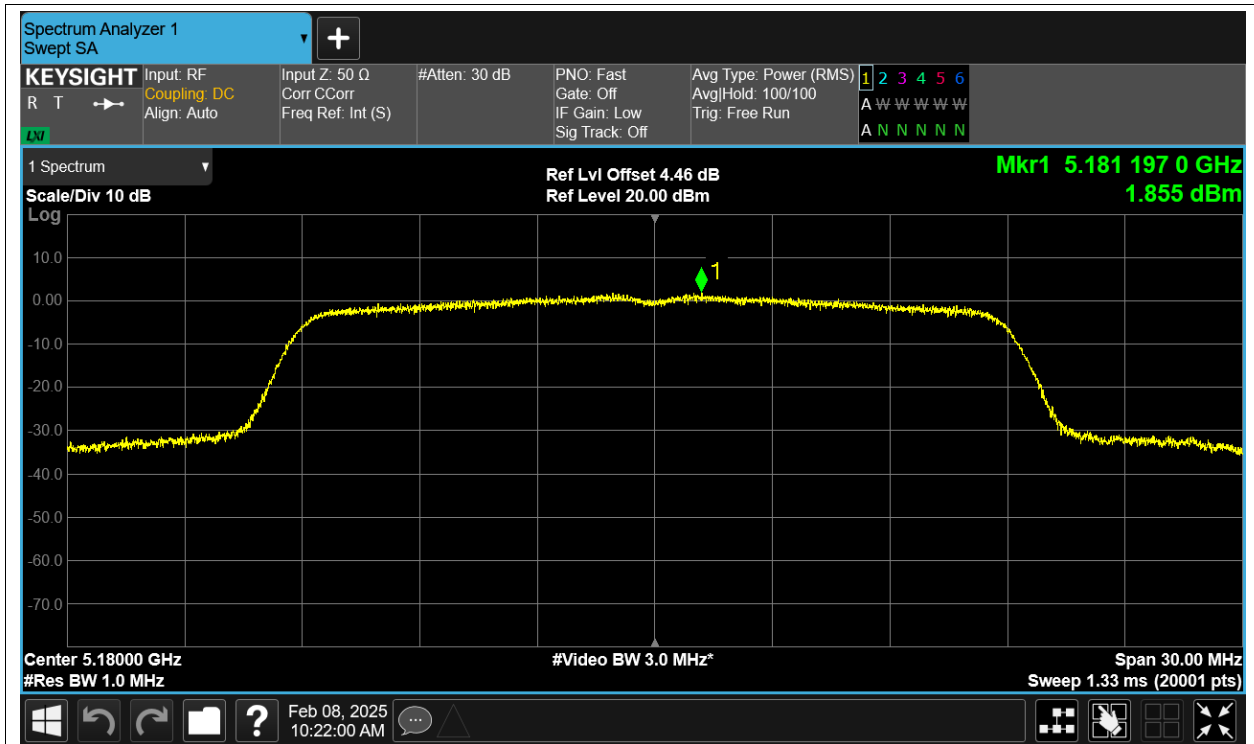
PSD NVNT ac40 5190MHz Ant1



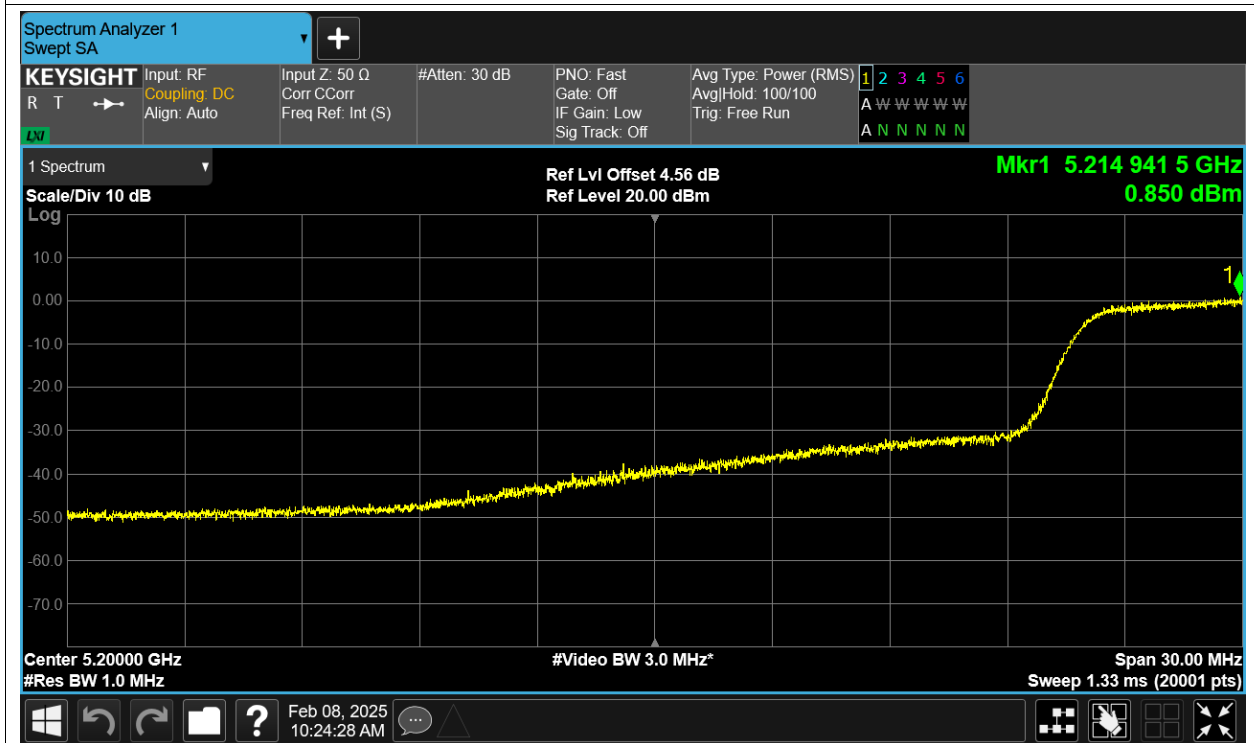
PSD NVNT ac40 5230MHz Ant1



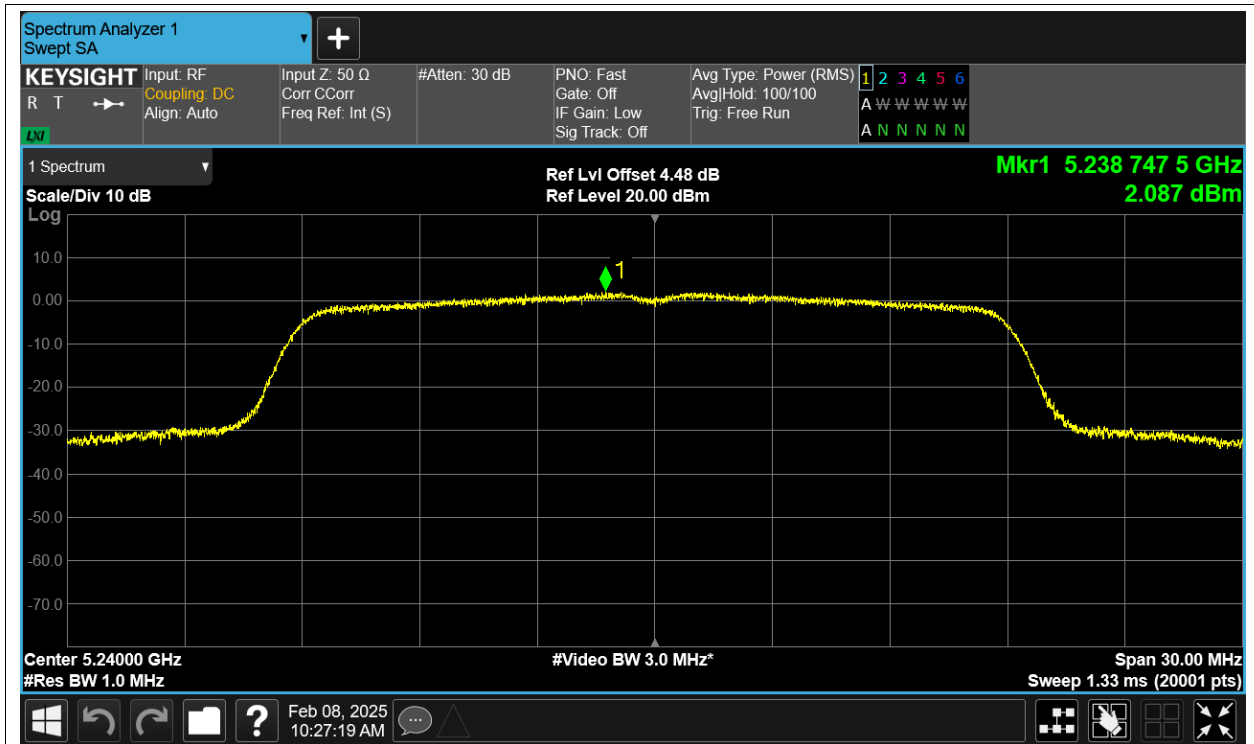
PSD HVNT n20 5180MHz Ant1



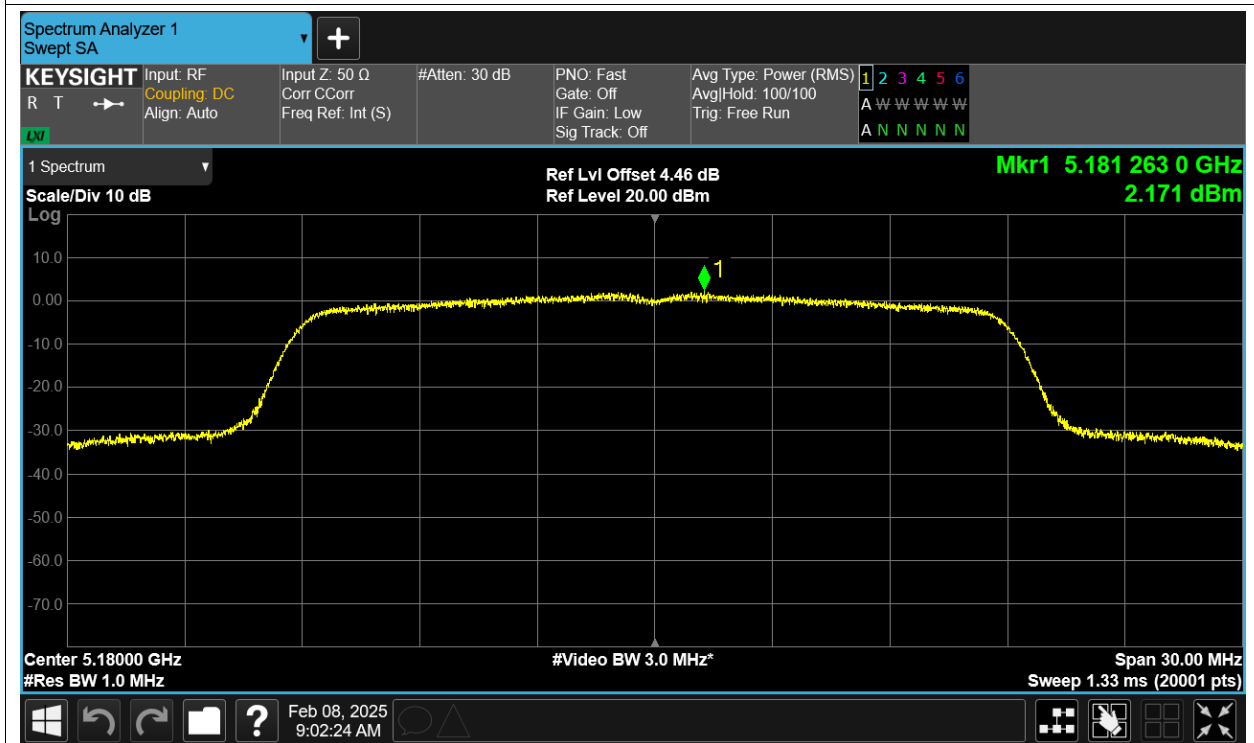
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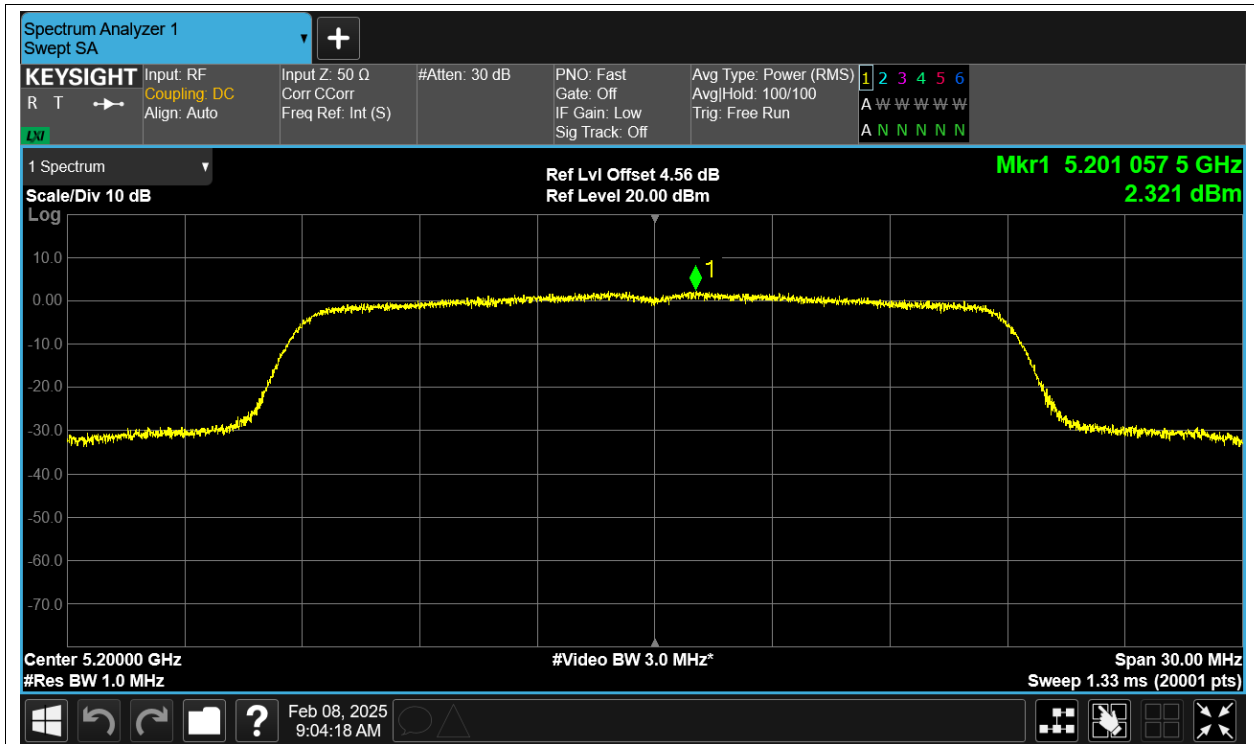
PSD HVNT n20 5240MHz Ant1



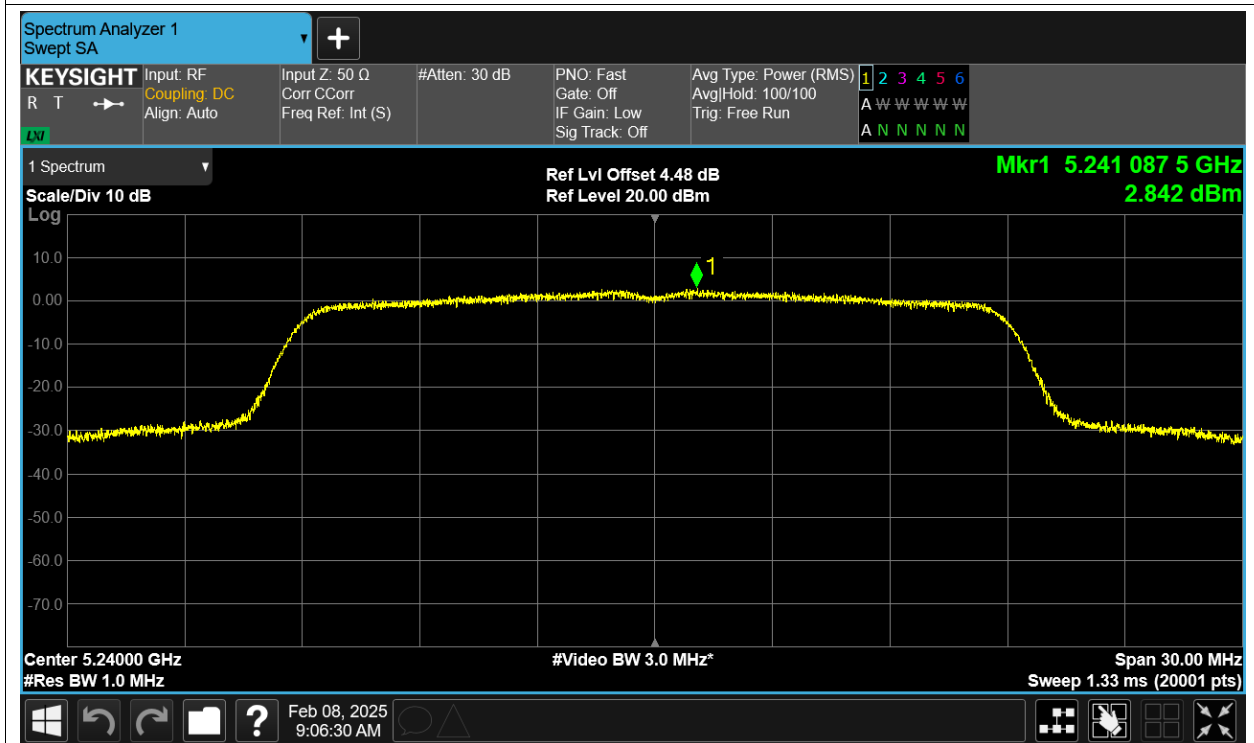
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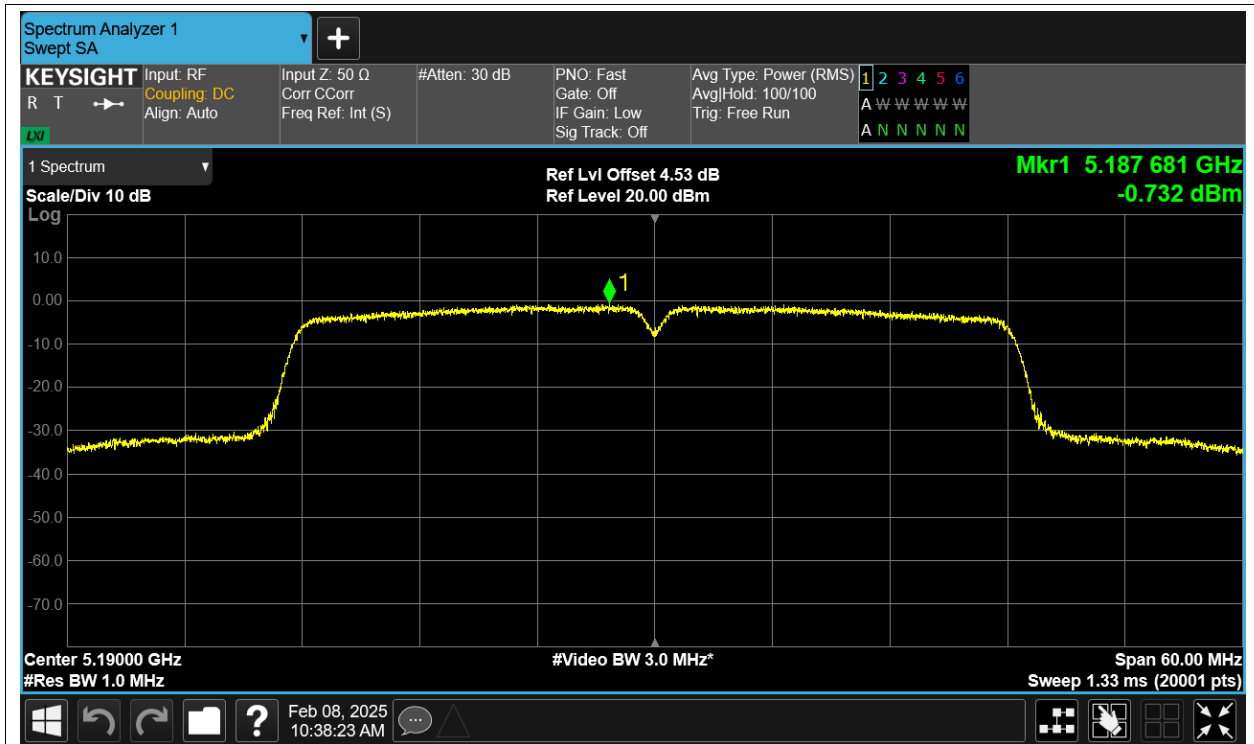
PSD NVNT n20 5200MHz Ant1



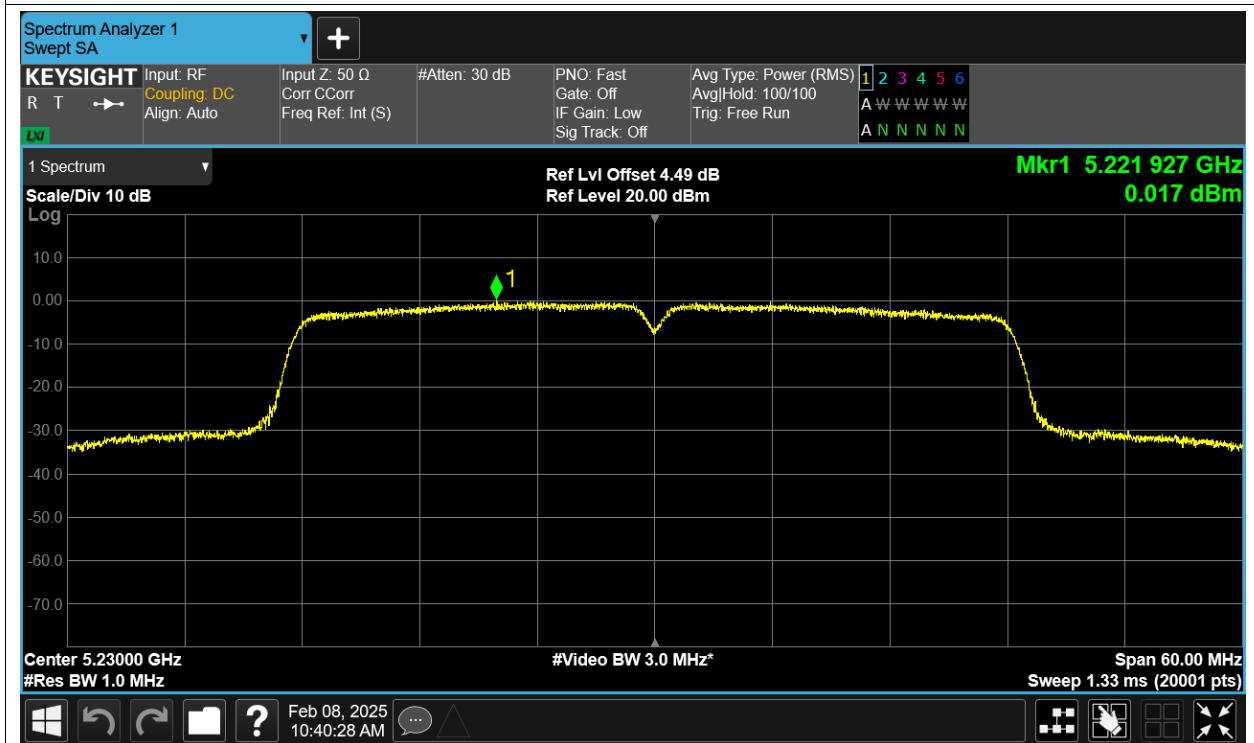
PSD NVNT n20 5240MHz Ant1



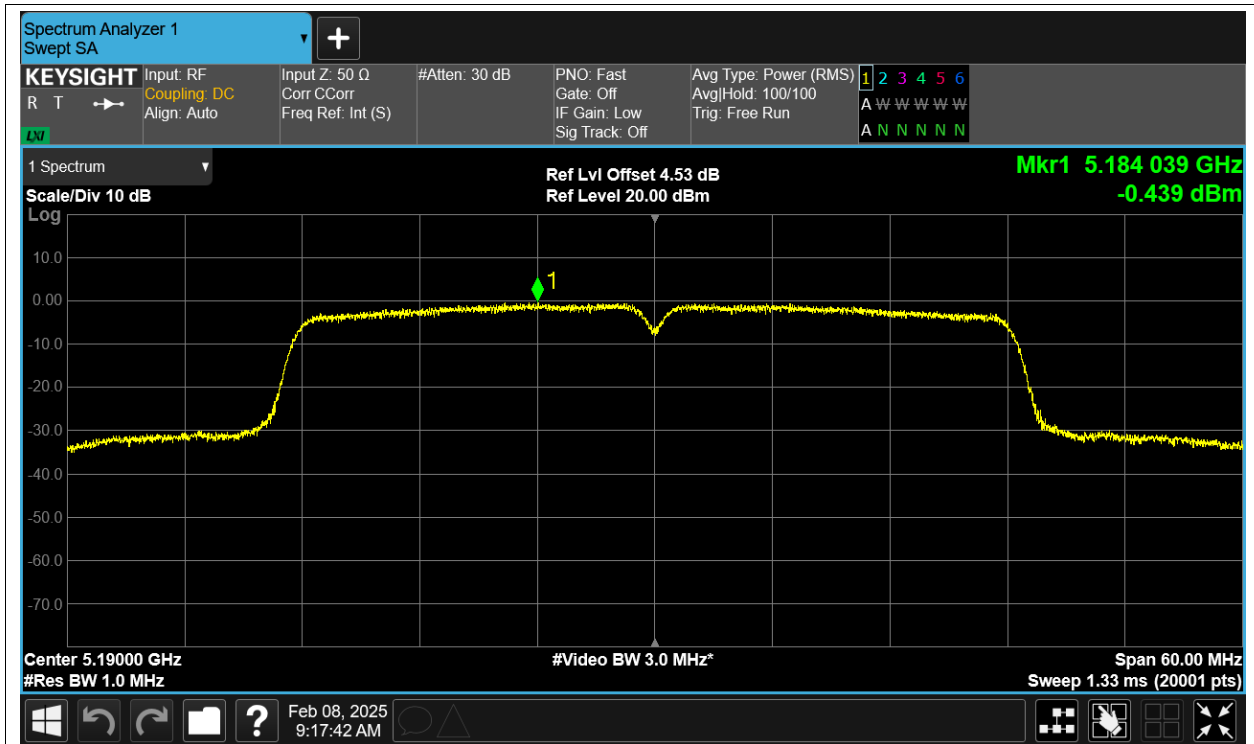
PSD HVNT n40 5190MHz Ant1



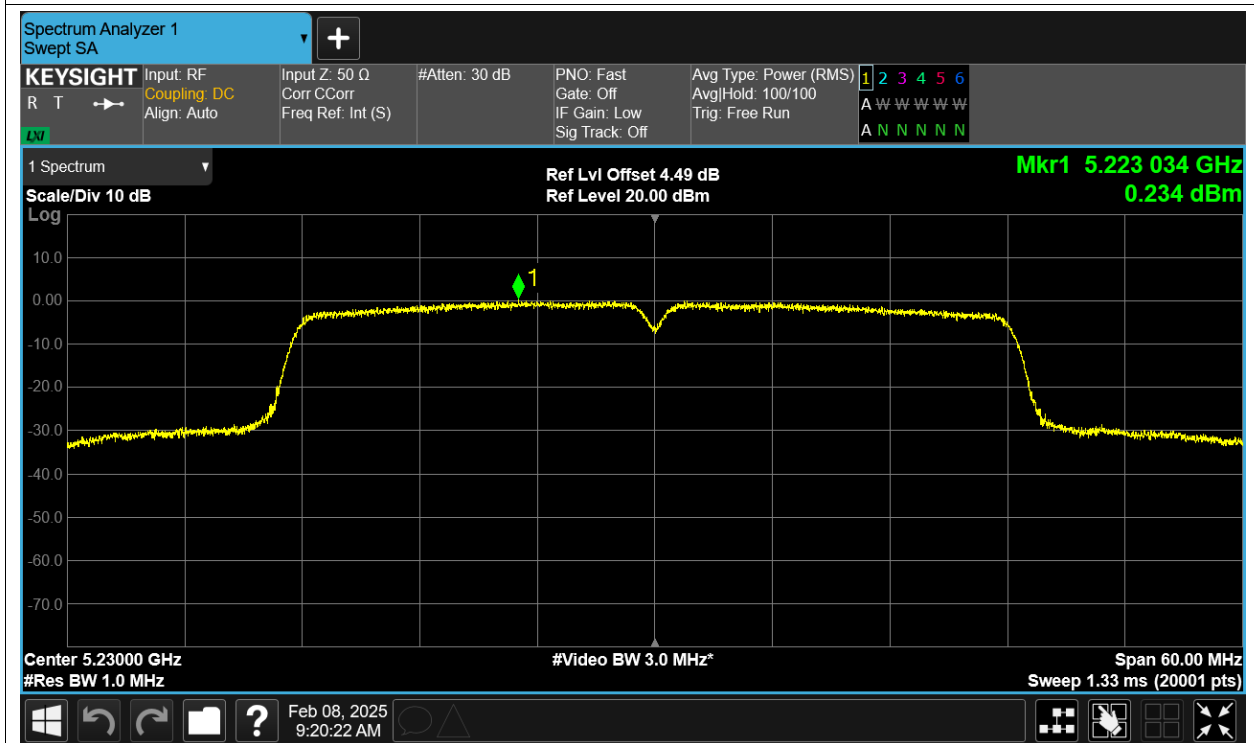
PSD HVNT n40 5230MHz Ant1



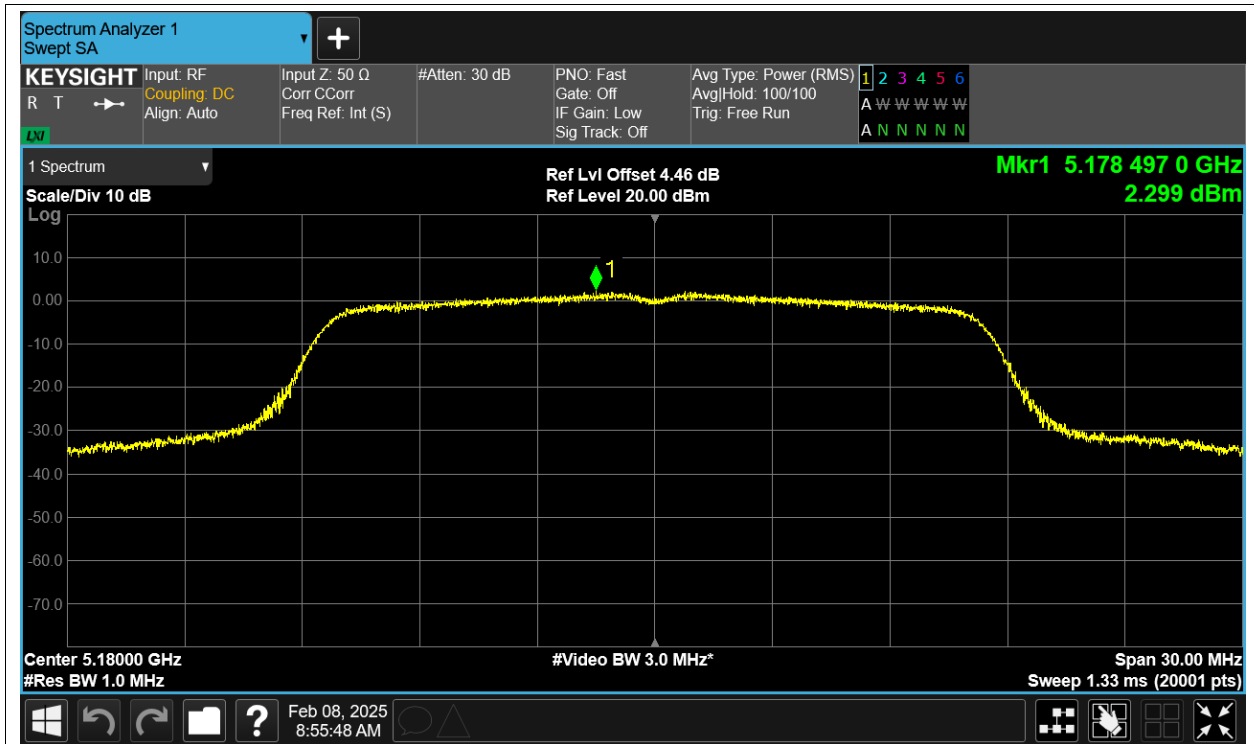
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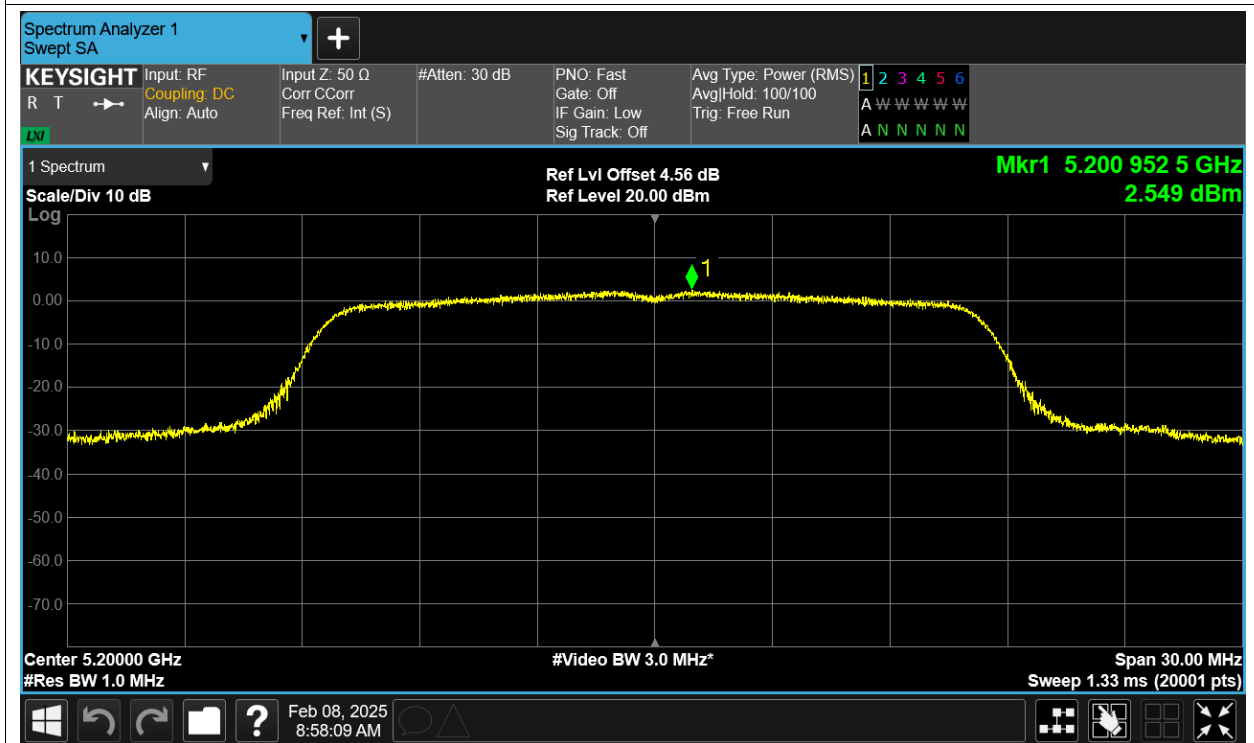
PSD NVNT n40 5230MHz Ant1



PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1



PSD NVNT a 5240MHz Ant1

