

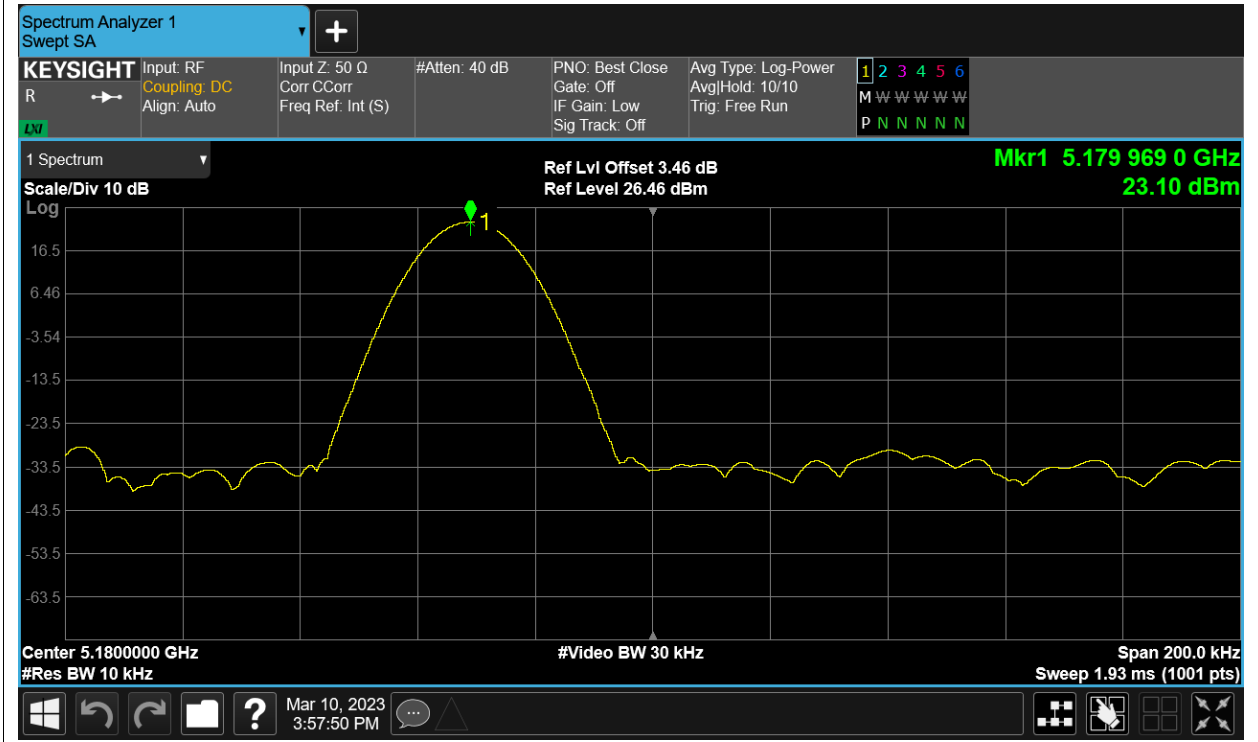
Test Data

Frequency Stability

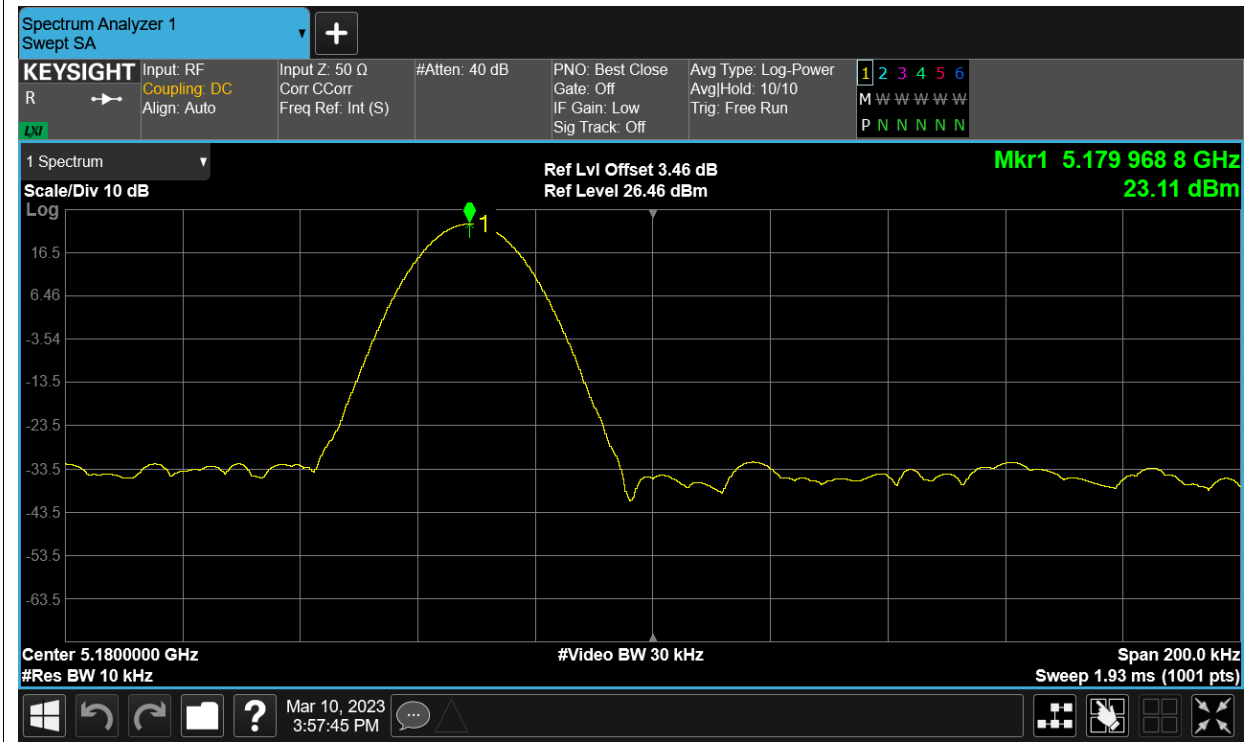
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5180	Ant1	5179.969	-5.98	25	Pass
LVNT	a	5180	Ant1	5179.9688	-6.02	25	Pass
NVHT	a	5180	Ant1	5179.969	-5.98	25	Pass
NVLT	a	5180	Ant1	5179.9692	-5.95	25	Pass
NVNT	a	5180	Ant1	5179.9696	-5.87	25	Pass
HVNT	ac80	5210	Ant1	5209.9708	-5.6	25	Pass
LVNT	ac80	5210	Ant1	5209.9708	-5.6	25	Pass
NVHT	ac80	5210	Ant1	5209.9706	-5.64	25	Pass
NVLT	ac80	5210	Ant1	5209.9708	-5.6	25	Pass
NVNT	ac80	5210	Ant1	5209.970588235	-5.65	25	Pass
HVNT	n40	5190	Ant1	5189.971	-5.59	25	Pass
LVNT	n40	5190	Ant1	5189.971	-5.59	25	Pass
NVHT	n40	5190	Ant1	5189.9708	-5.63	25	Pass
NVLT	n40	5190	Ant1	5189.971	-5.59	25	Pass
NVNT	n40	5190	Ant1	5189.9706	-5.66	25	Pass

Test Graphs

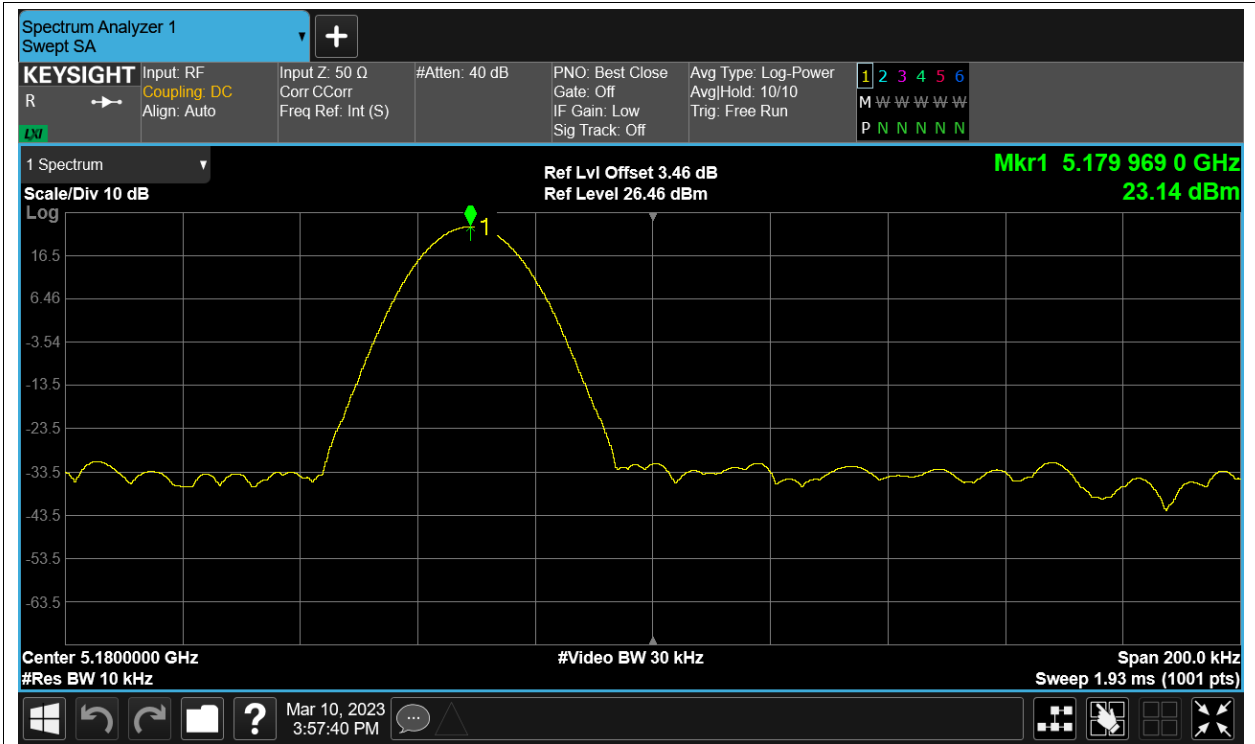
Freq. Stability HVNT a 5180MHz Ant1



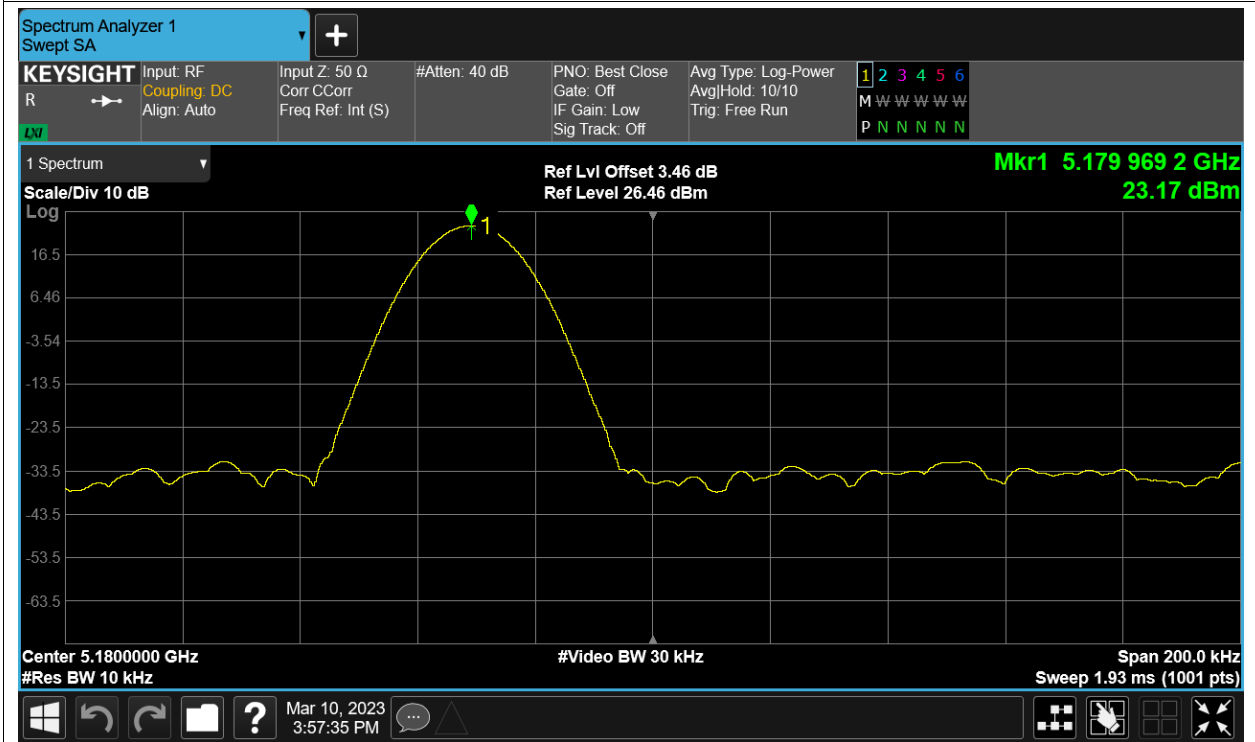
Freq. Stability LVNT a 5180MHz Ant1



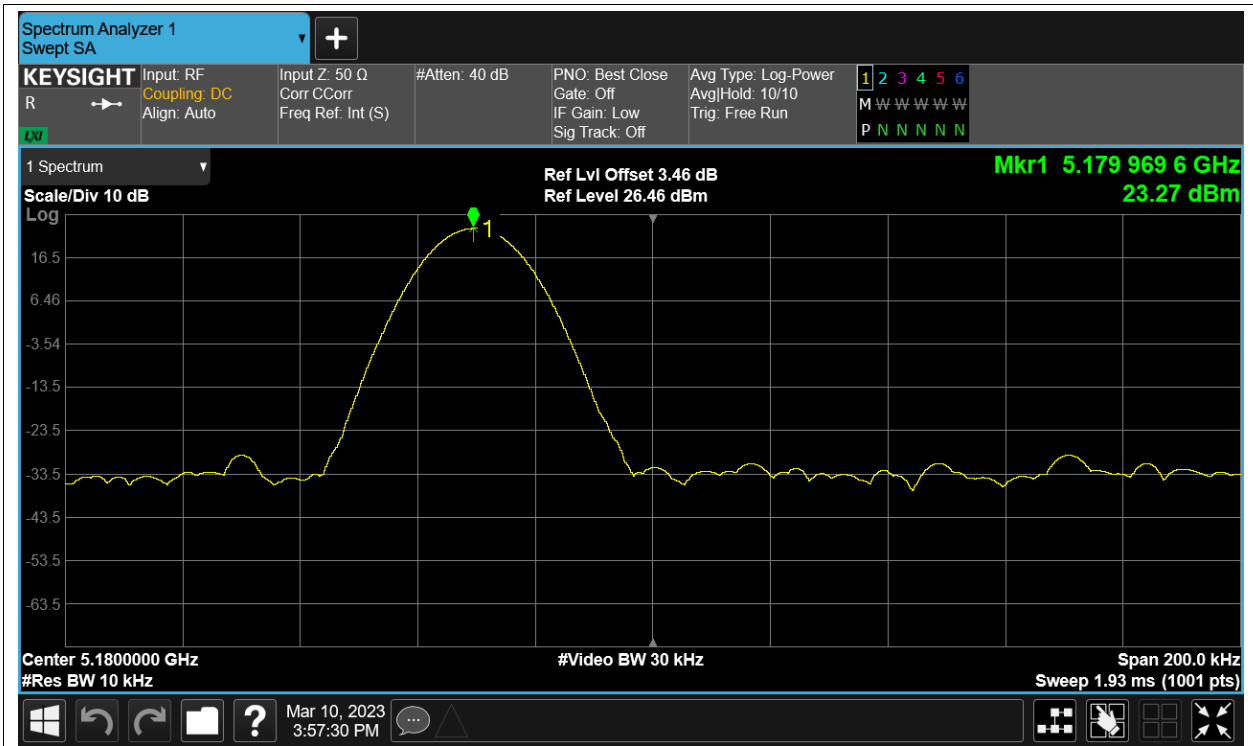
Freq. Stability NVHT a 5180MHz Ant1



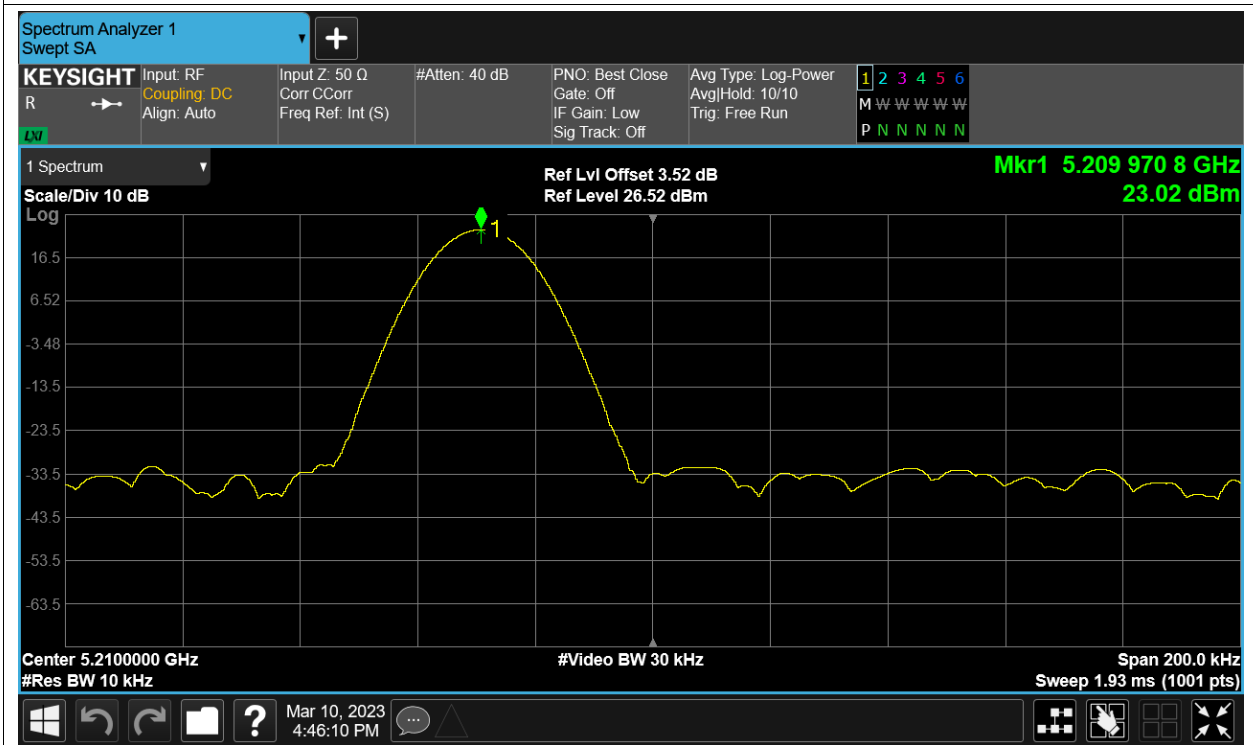
Freq. Stability NVLT a 5180MHz Ant1



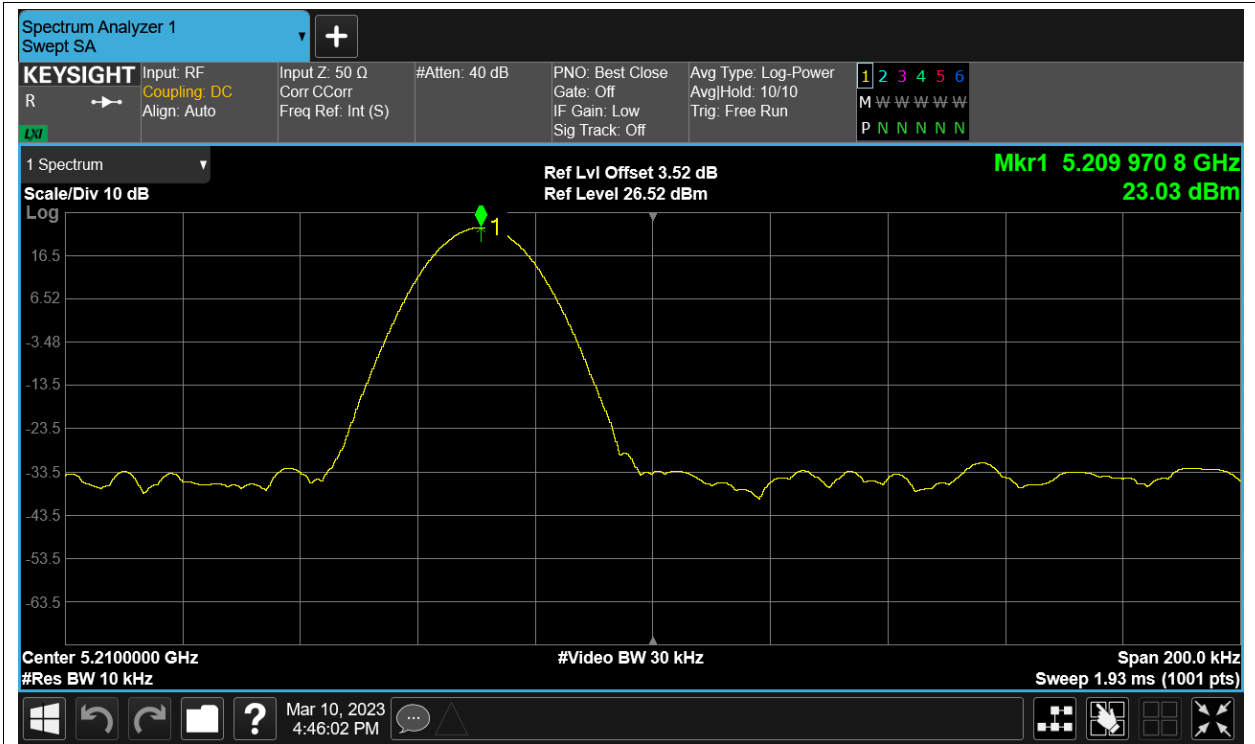
Freq. Stability NVNT a 5180MHz Ant1



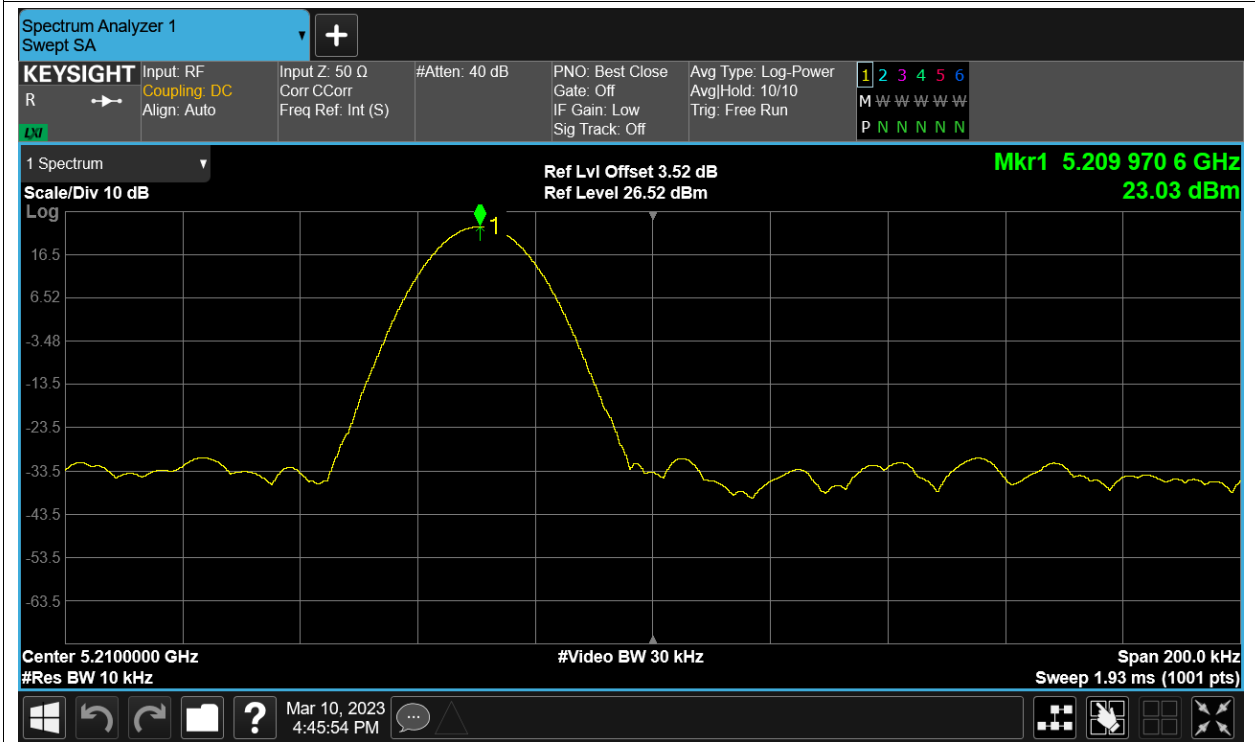
Freq. Stability HVNT ac80 5210MHz Ant1



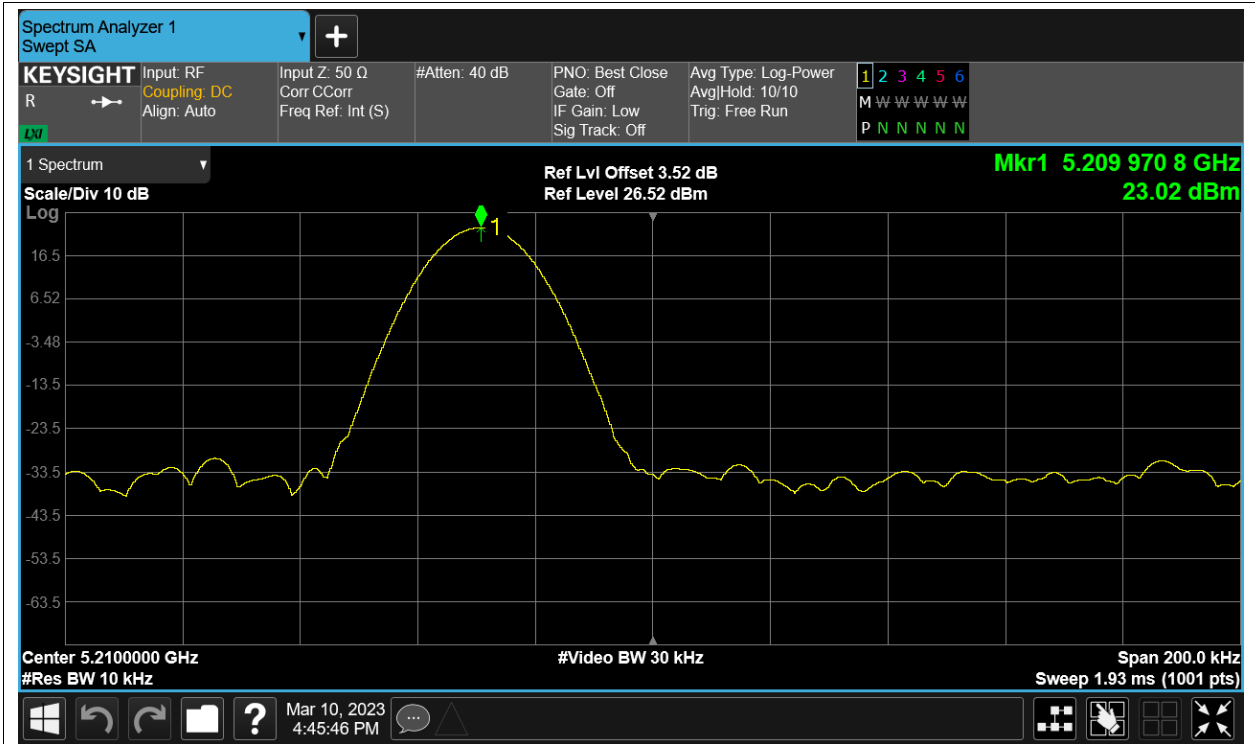
Freq. Stability LVNT ac80 5210MHz Ant1



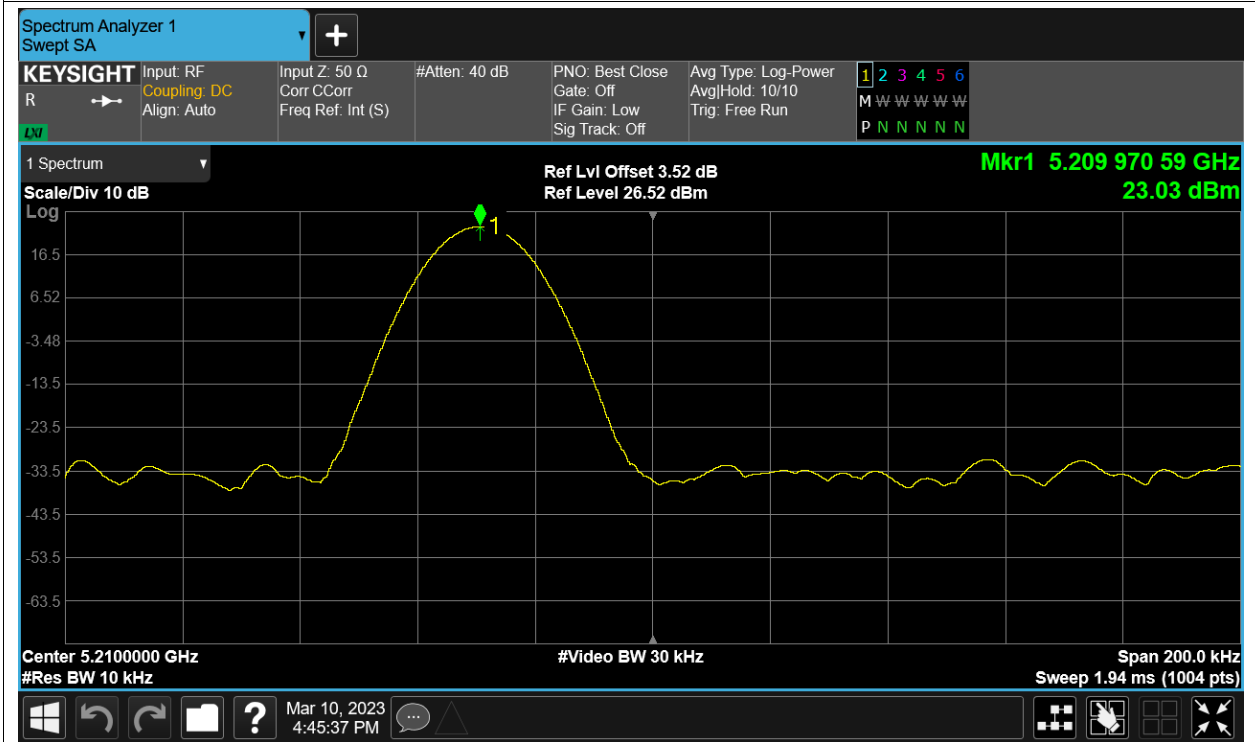
Freq. Stability NVHT ac80 5210MHz Ant1



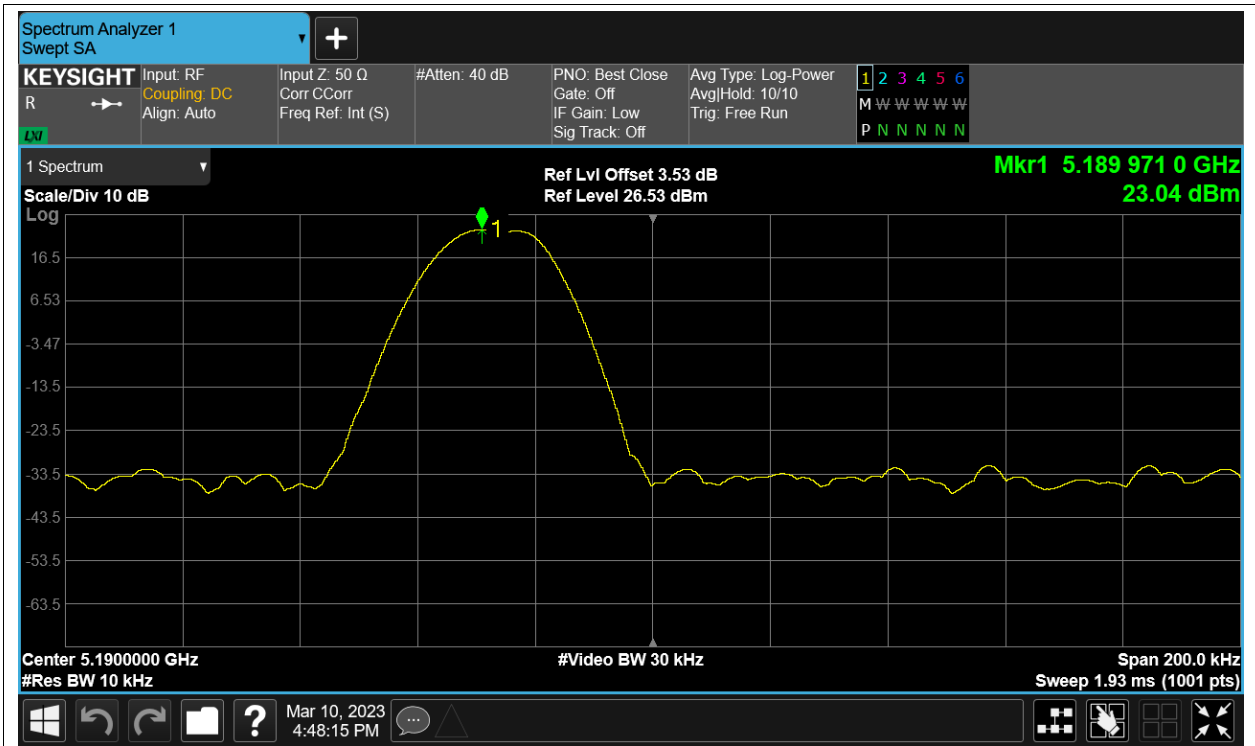
Freq. Stability NVLT ac80 5210MHz Ant1



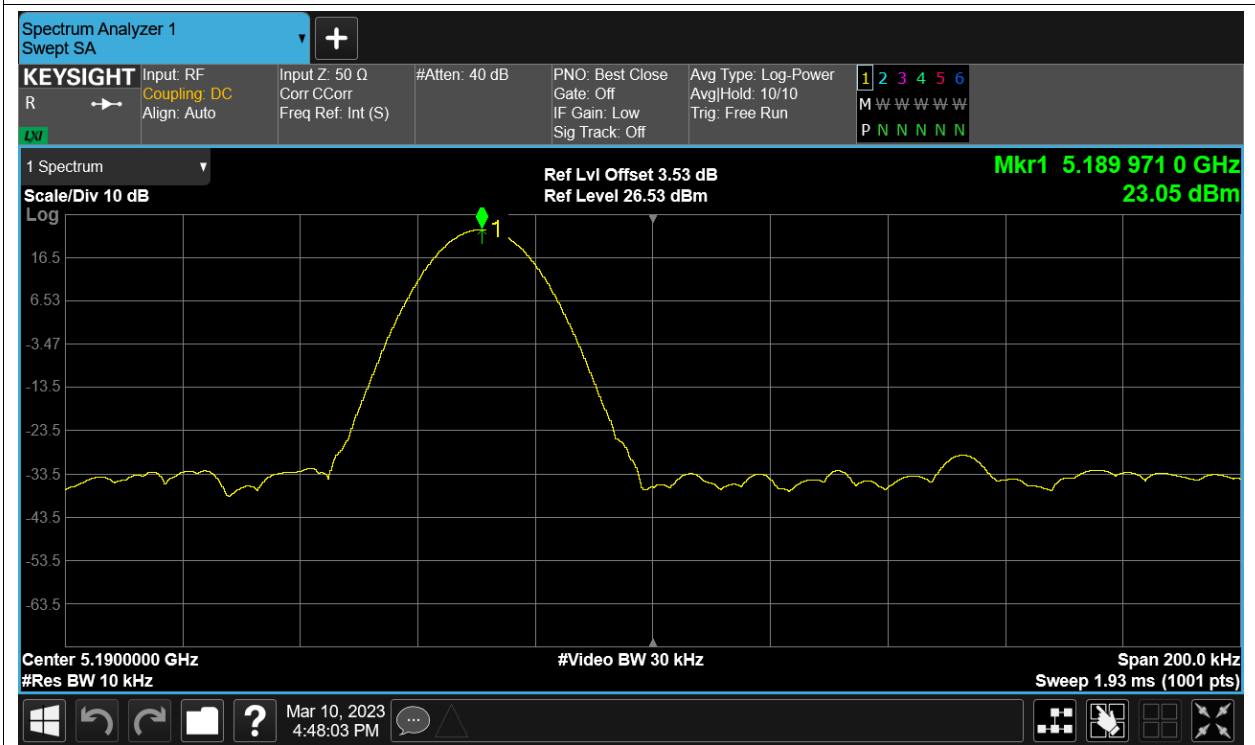
Freq. Stability NVNT ac80 5210MHz Ant1



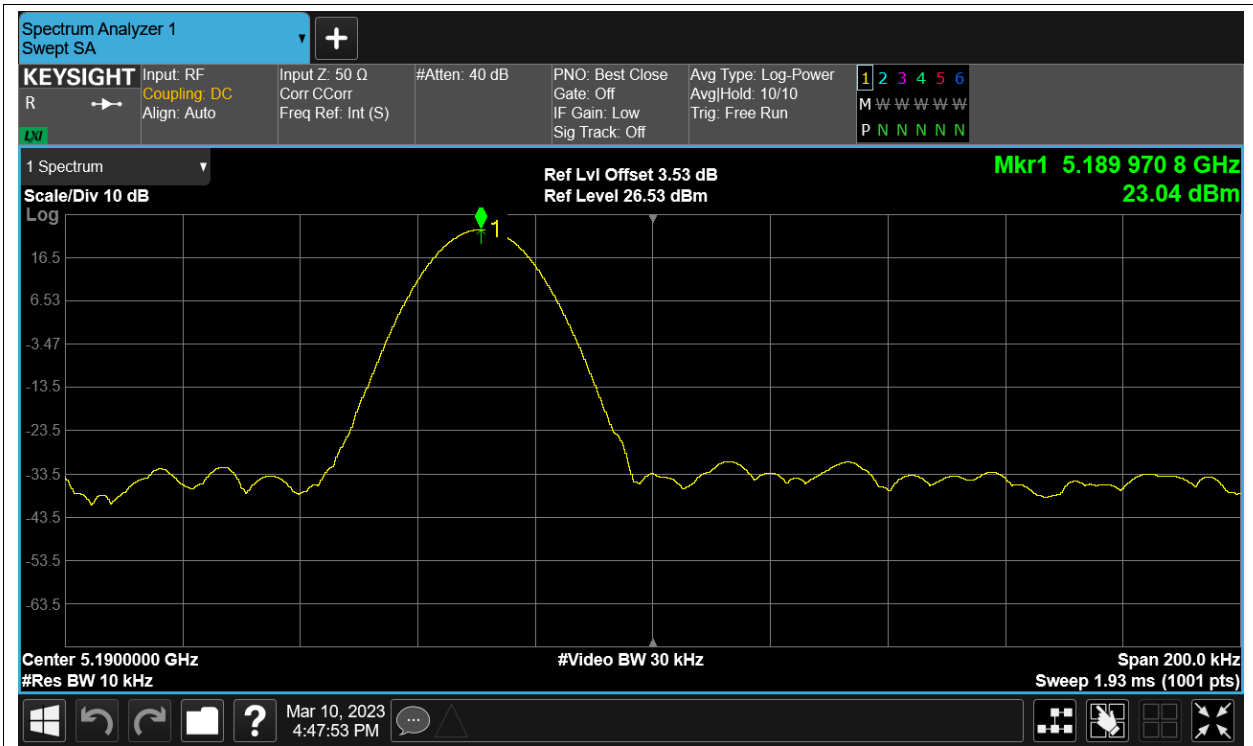
Freq. Stability HVNT n40 5190MHz Ant1



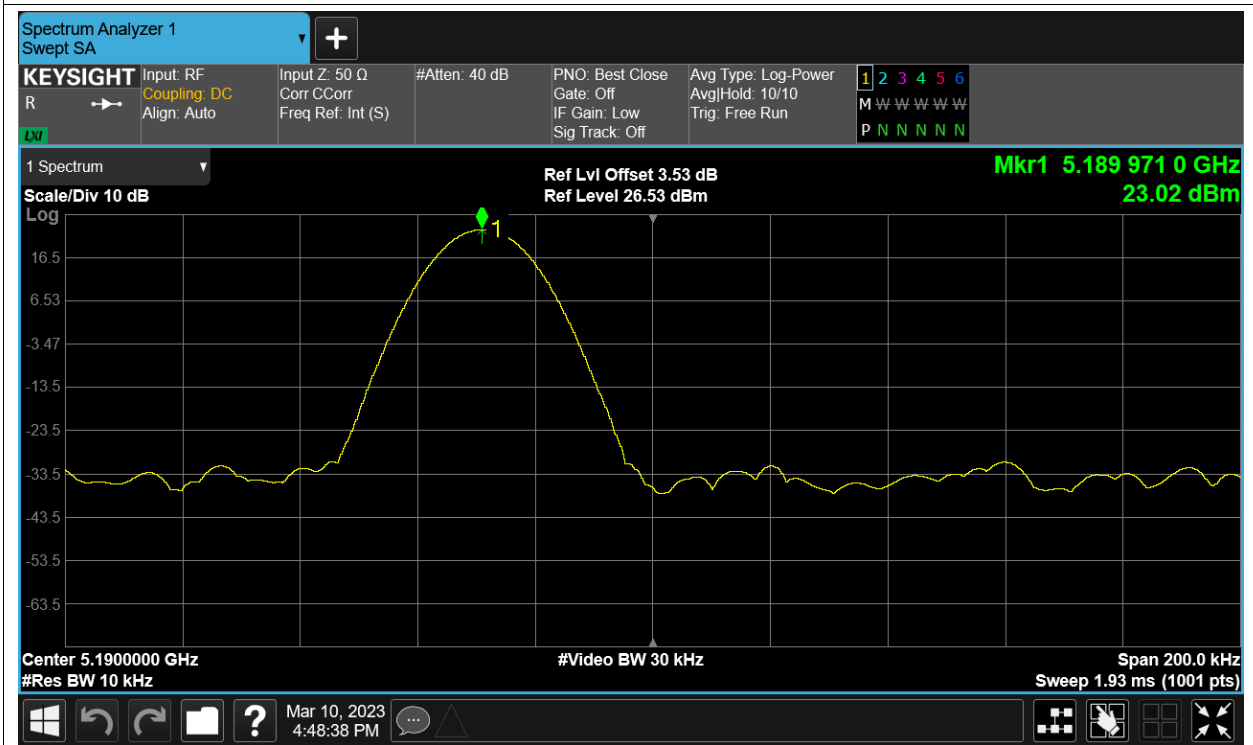
Freq. Stability LVNT n40 5190MHz Ant1



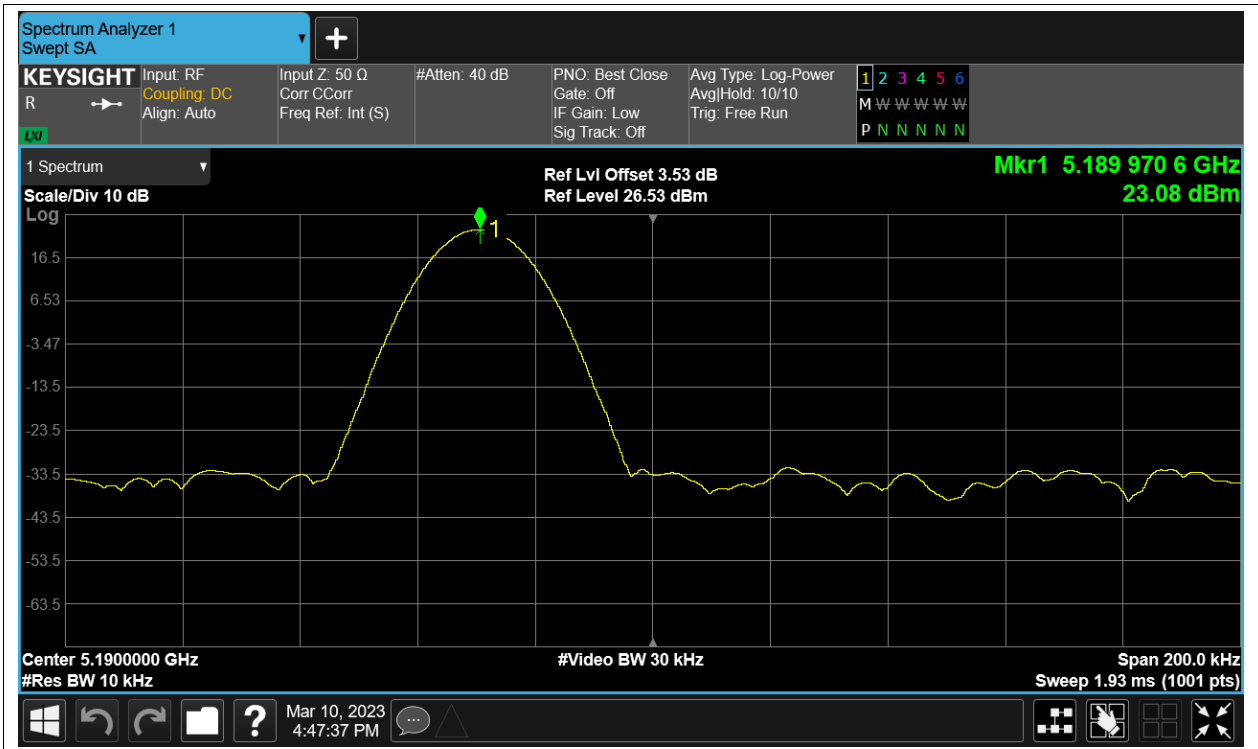
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

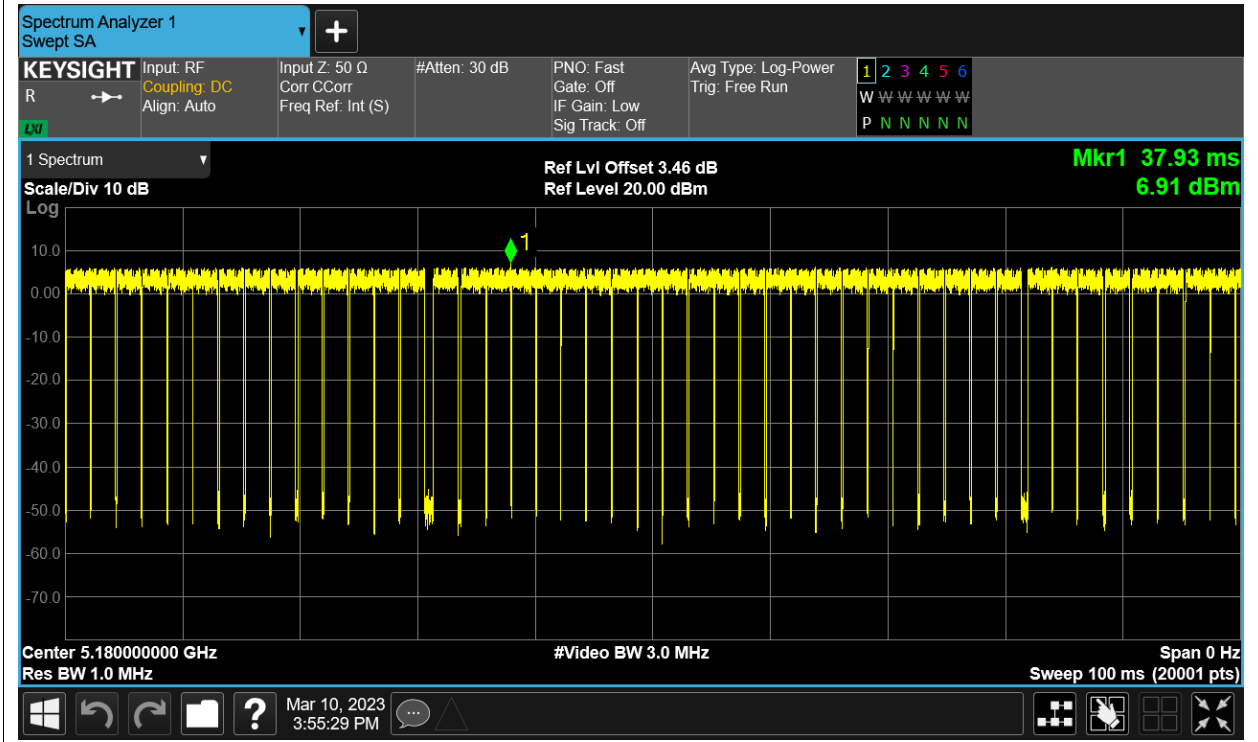


Duty Cycle

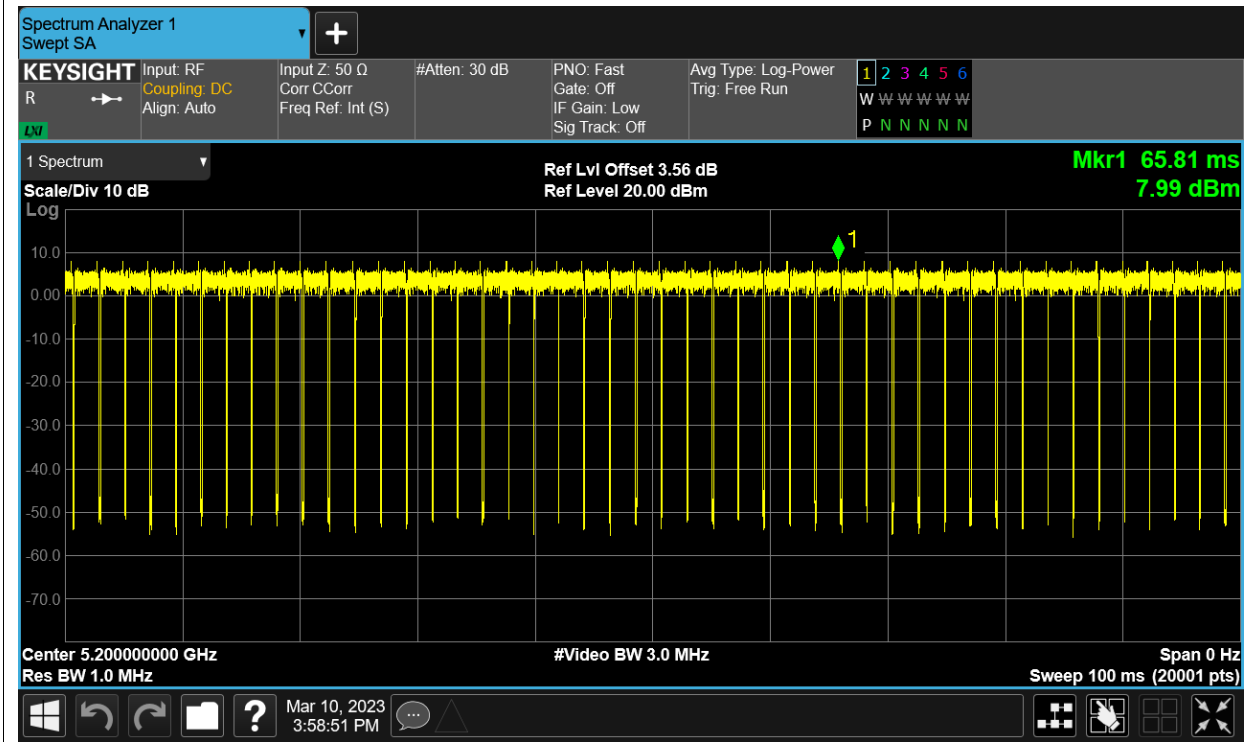
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	93.65	0.28
NVNT	a	5200	Ant1	95.07	0.22
NVNT	a	5240	Ant1	95.43	0.2
NVNT	ac20	5180	Ant1	93.45	0.29
NVNT	ac20	5200	Ant1	94.83	0.23
NVNT	ac20	5240	Ant1	94.95	0.23
NVNT	ac40	5190	Ant1	89.99	0.46
NVNT	ac40	5230	Ant1	89.9	0.46
NVNT	ac80	5210	Ant1	80.04	0.97
NVNT	n20	5180	Ant1	93.57	0.29
NVNT	n20	5200	Ant1	95.03	0.22
NVNT	n20	5240	Ant1	95.51	0.2
NVNT	n40	5190	Ant1	89.5	0.48
NVNT	n40	5230	Ant1	88.96	0.51

Test Graphs

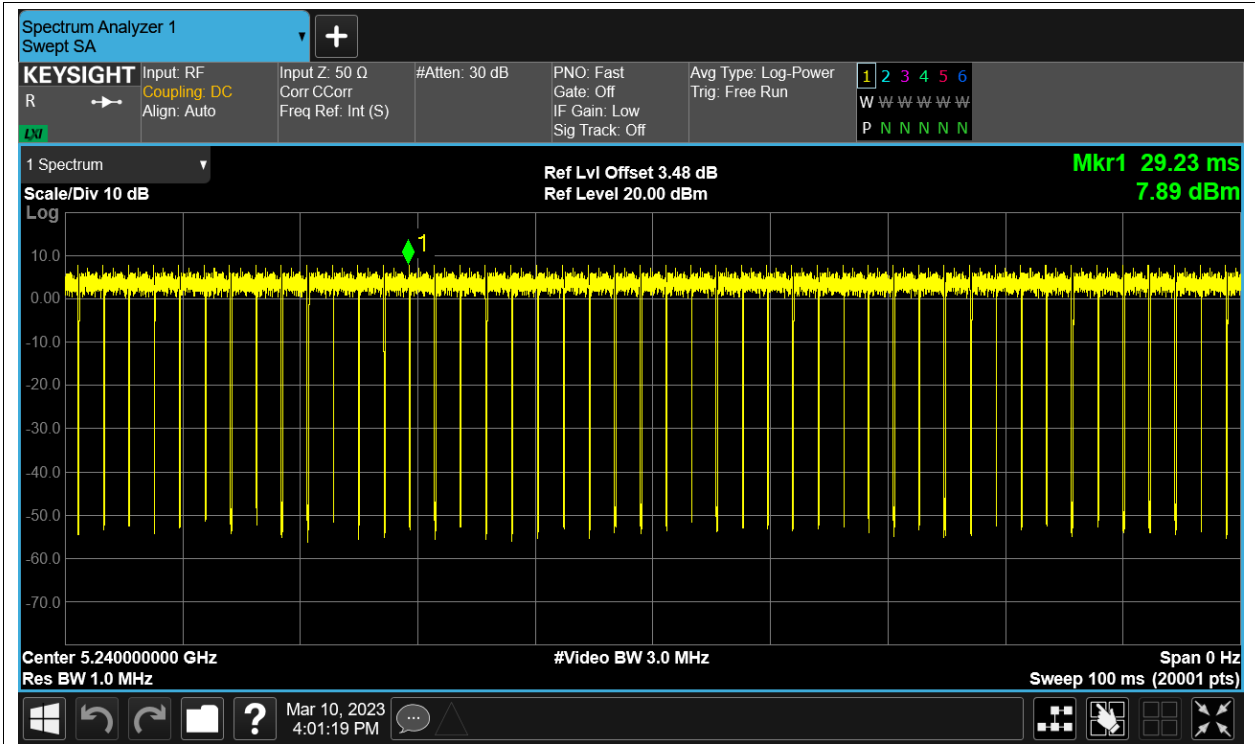
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1



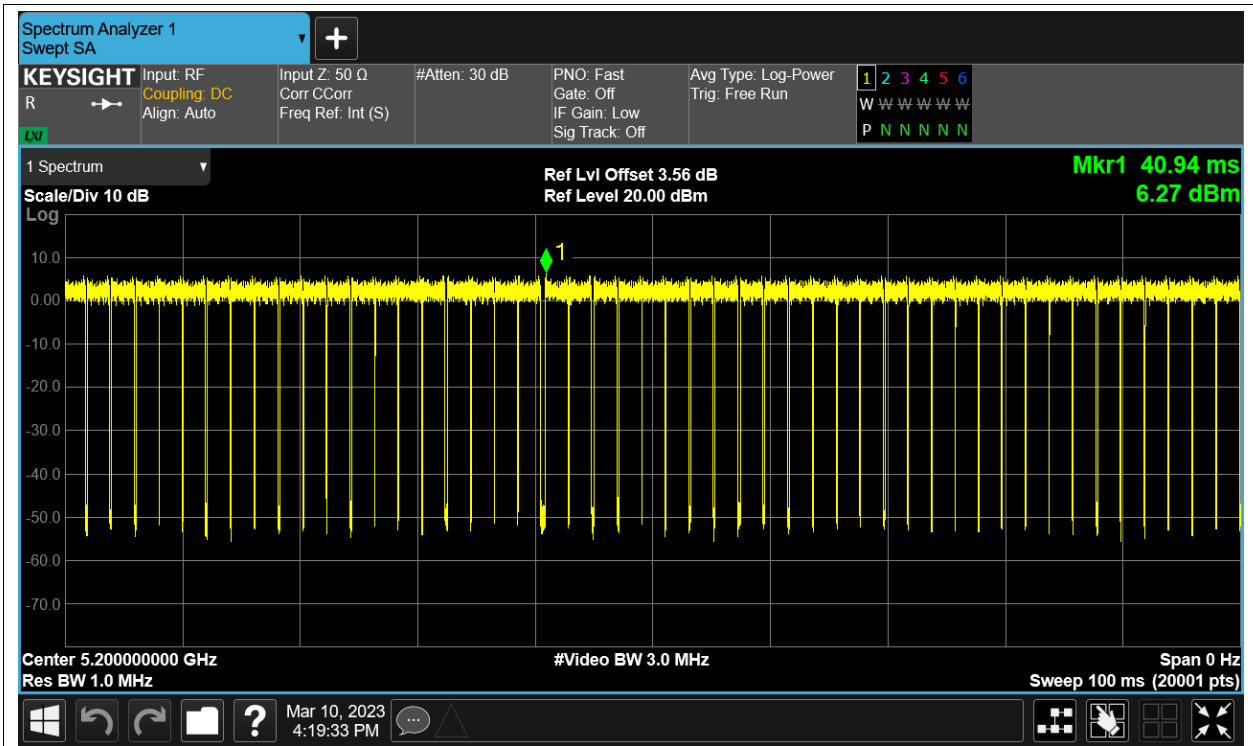
Duty Cycle NVNT a 5240MHz Ant1



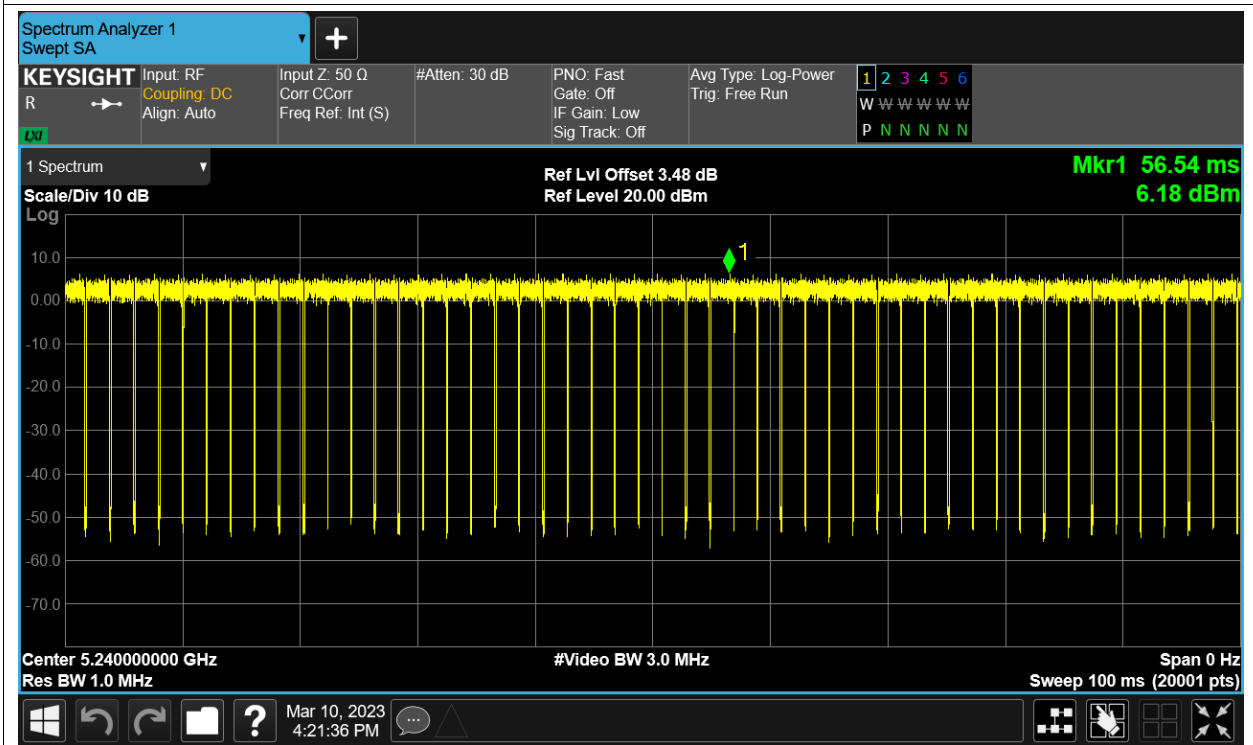
Duty Cycle NVNT ac20 5180MHz Ant1



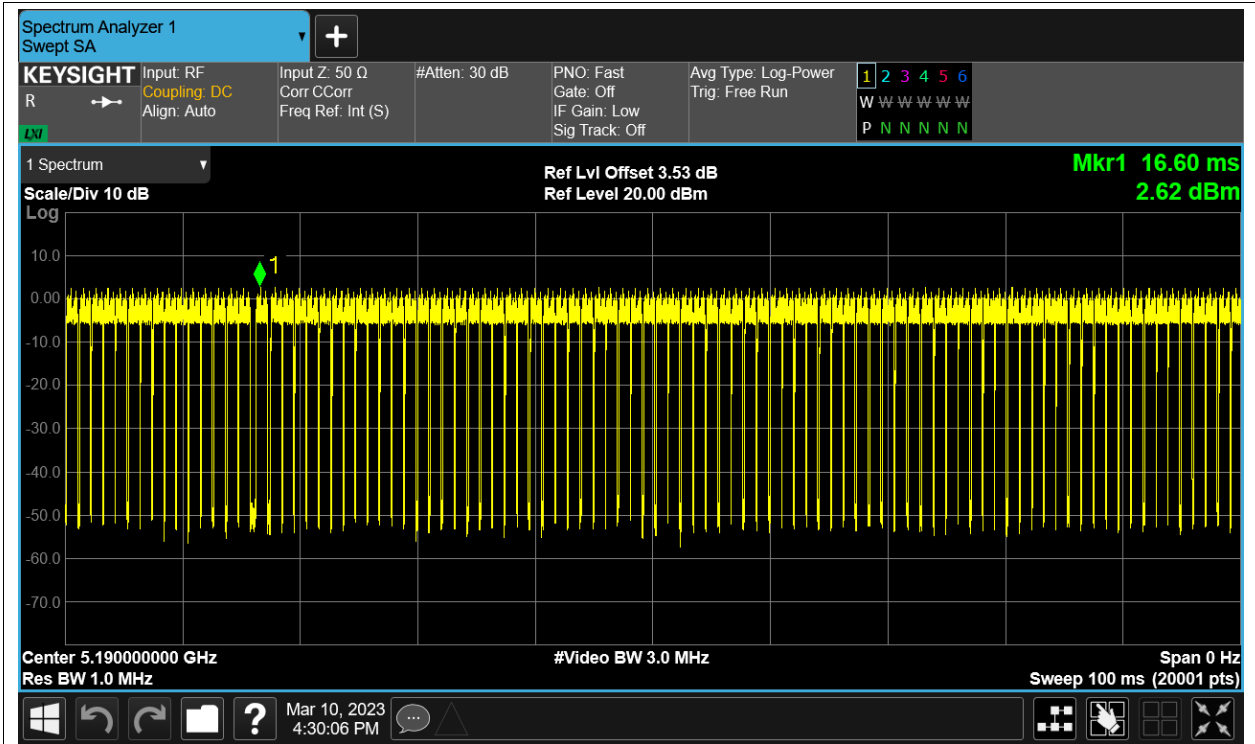
Duty Cycle NVNT ac20 5200MHz Ant1



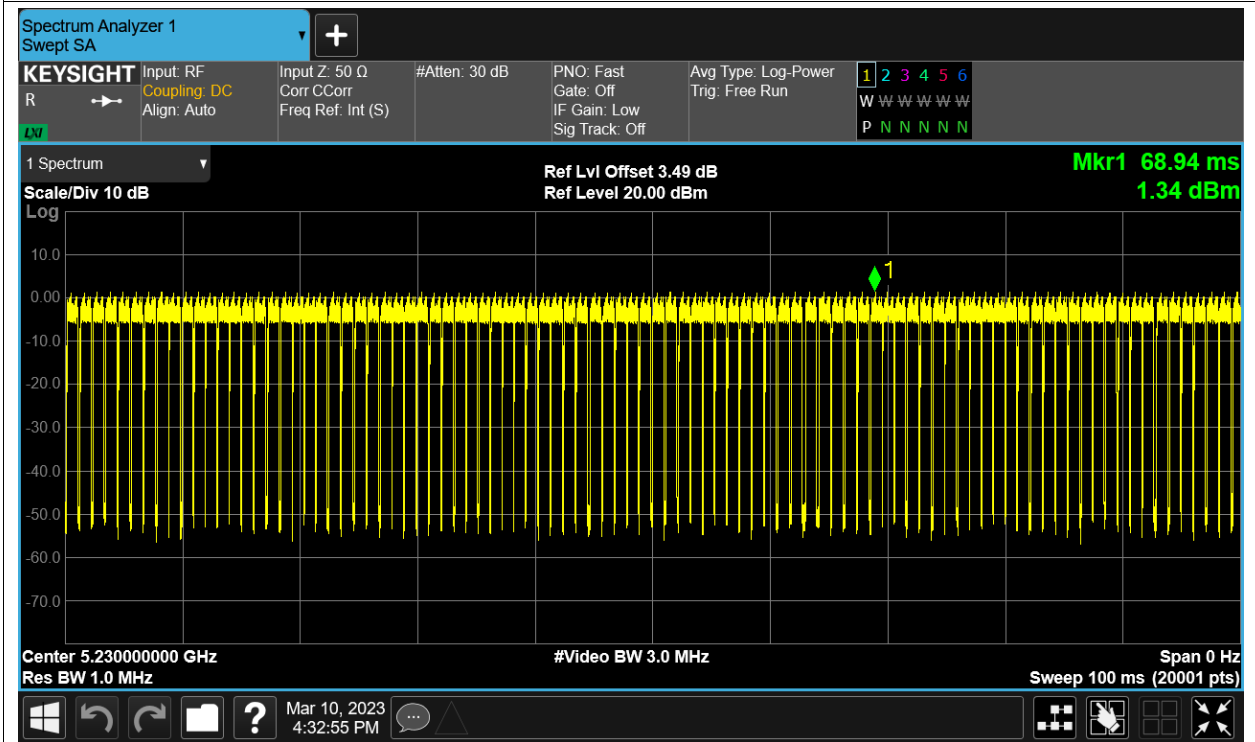
Duty Cycle NVNT ac20 5240MHz Ant1



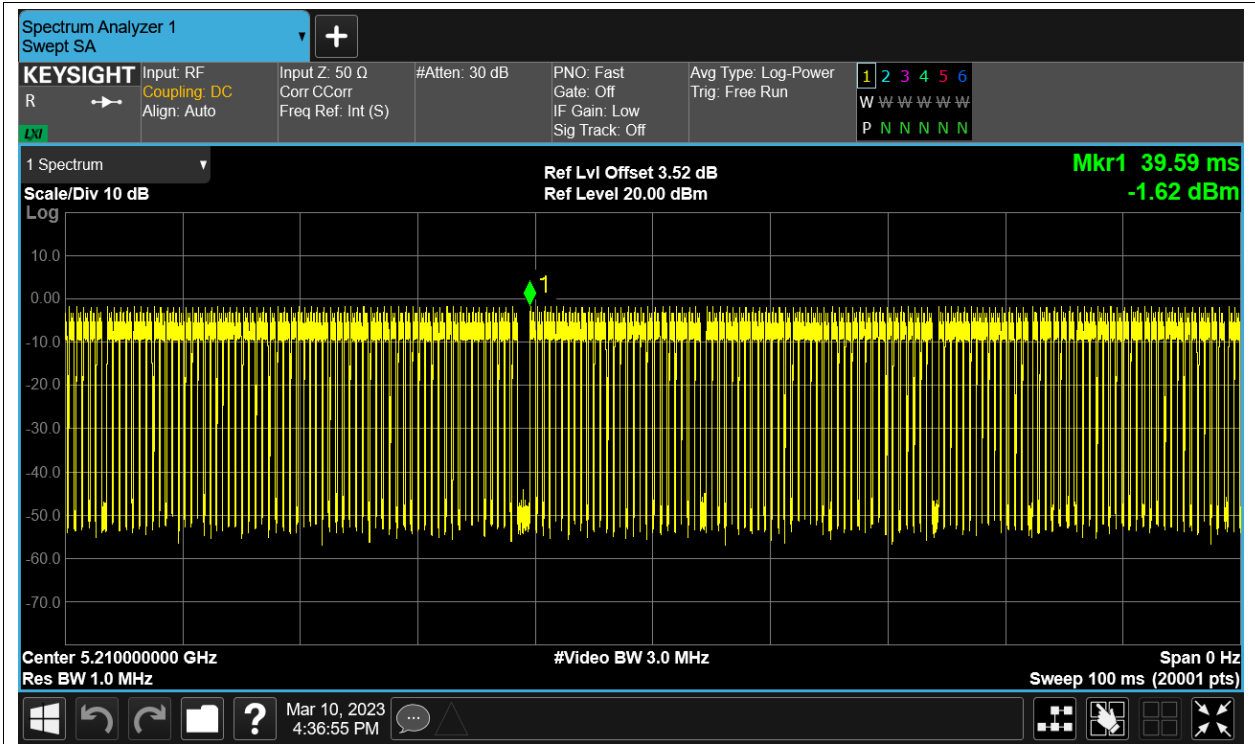
Duty Cycle NVNT ac40 5190MHz Ant1



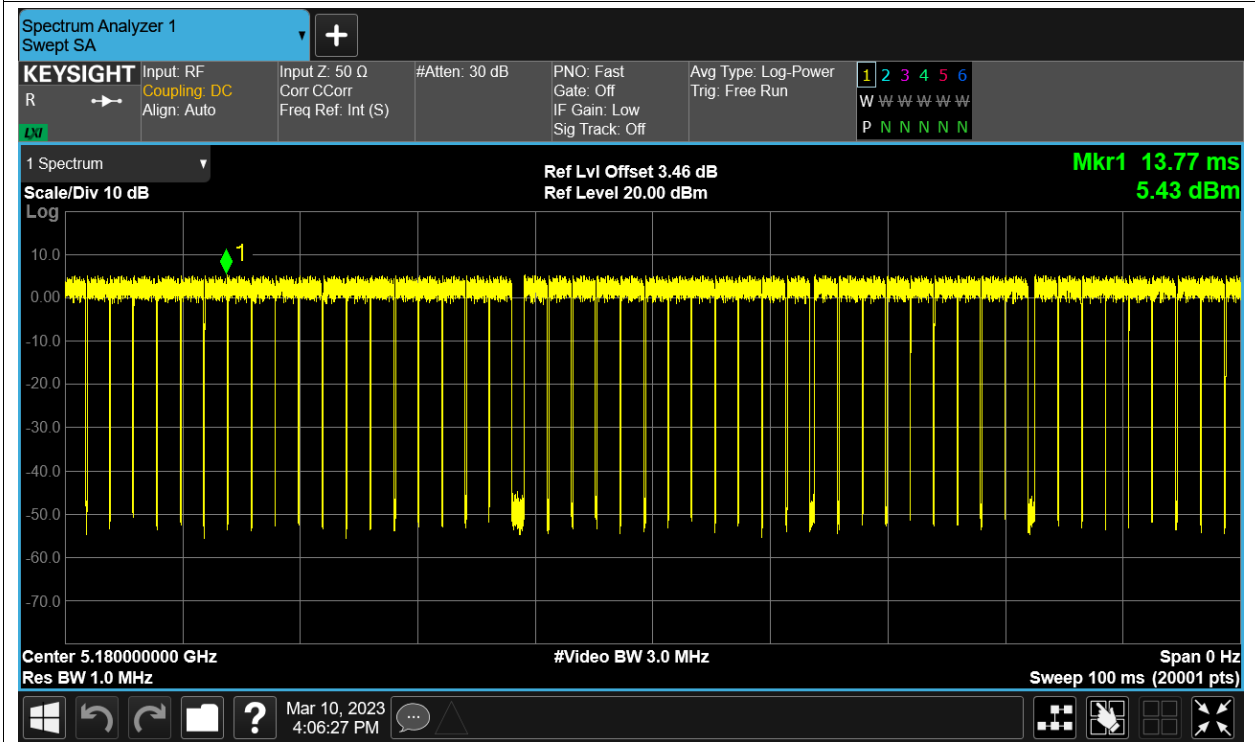
Duty Cycle NVNT ac40 5230MHz Ant1



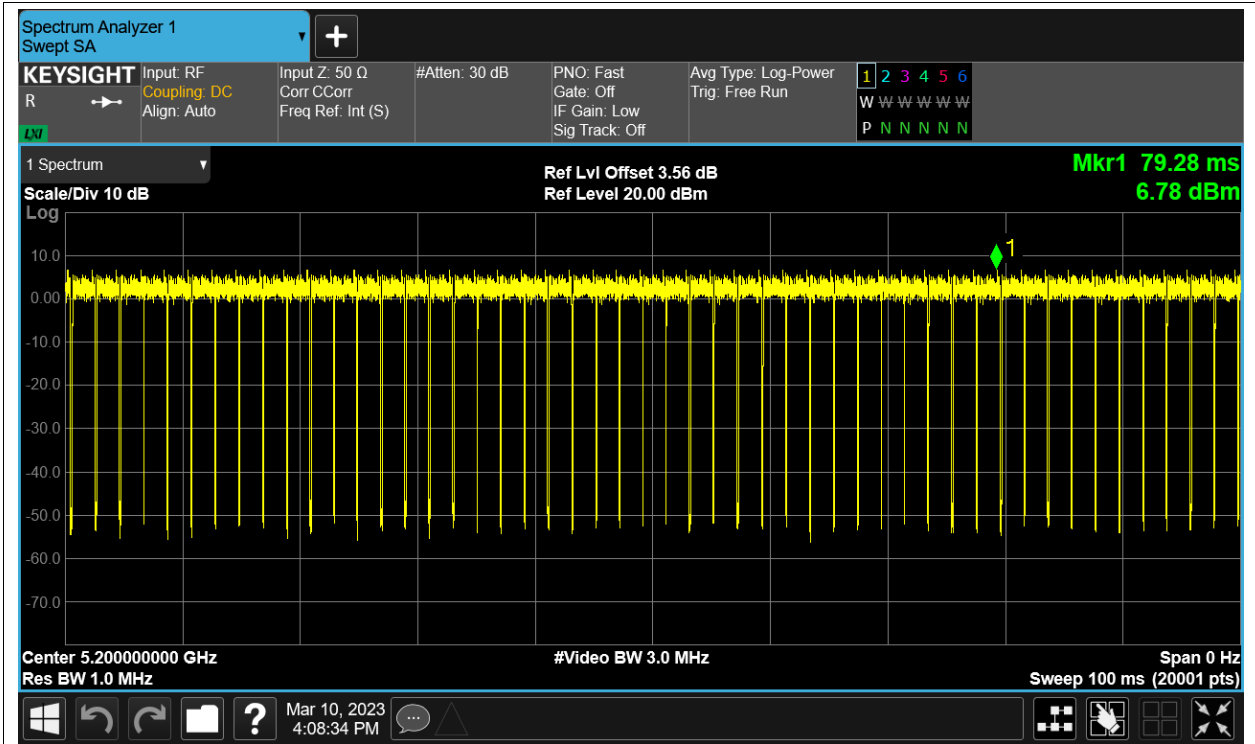
Duty Cycle NVNT ac80 5210MHz Ant1



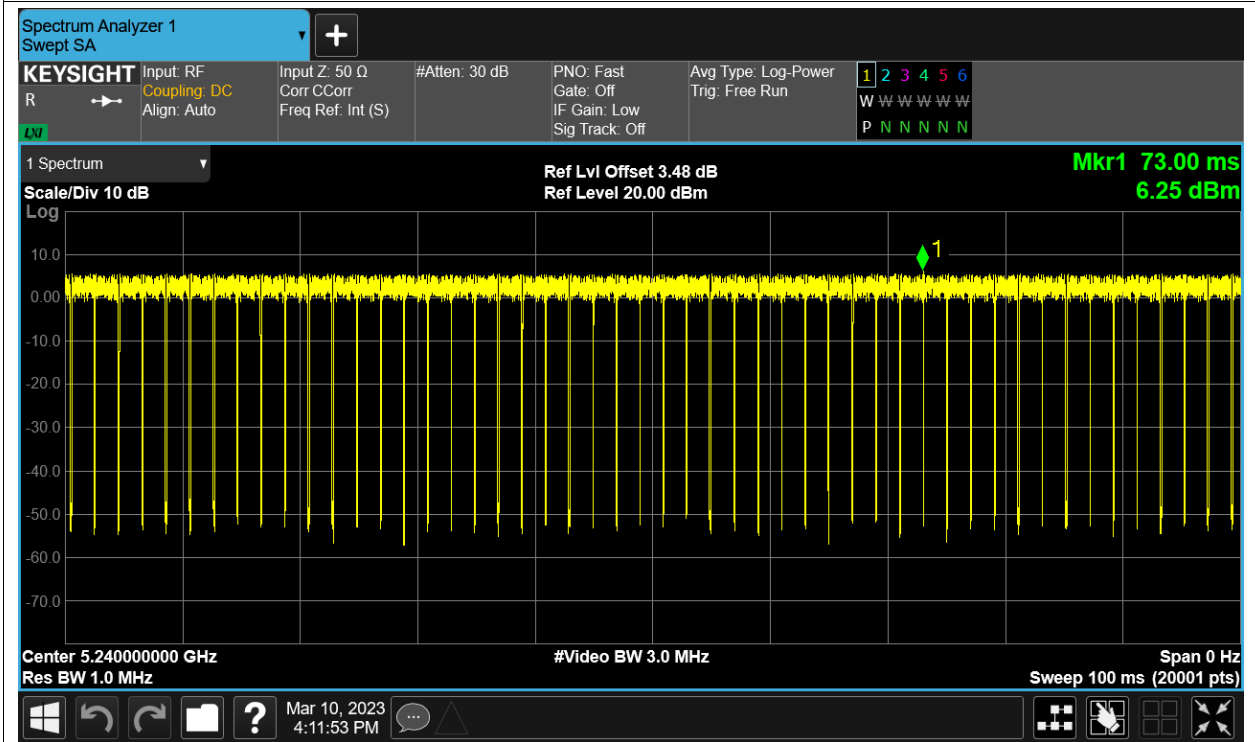
Duty Cycle NVNT n20 5180MHz Ant1



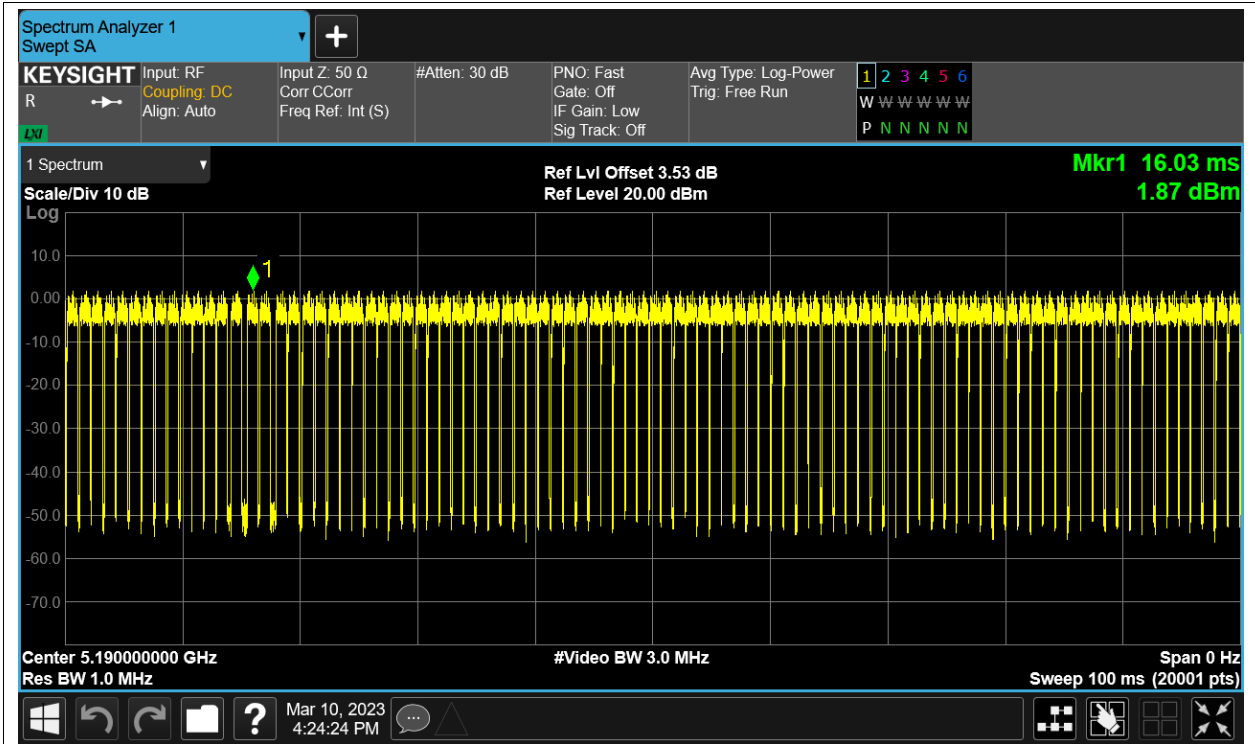
Duty Cycle NVNT n20 5200MHz Ant1



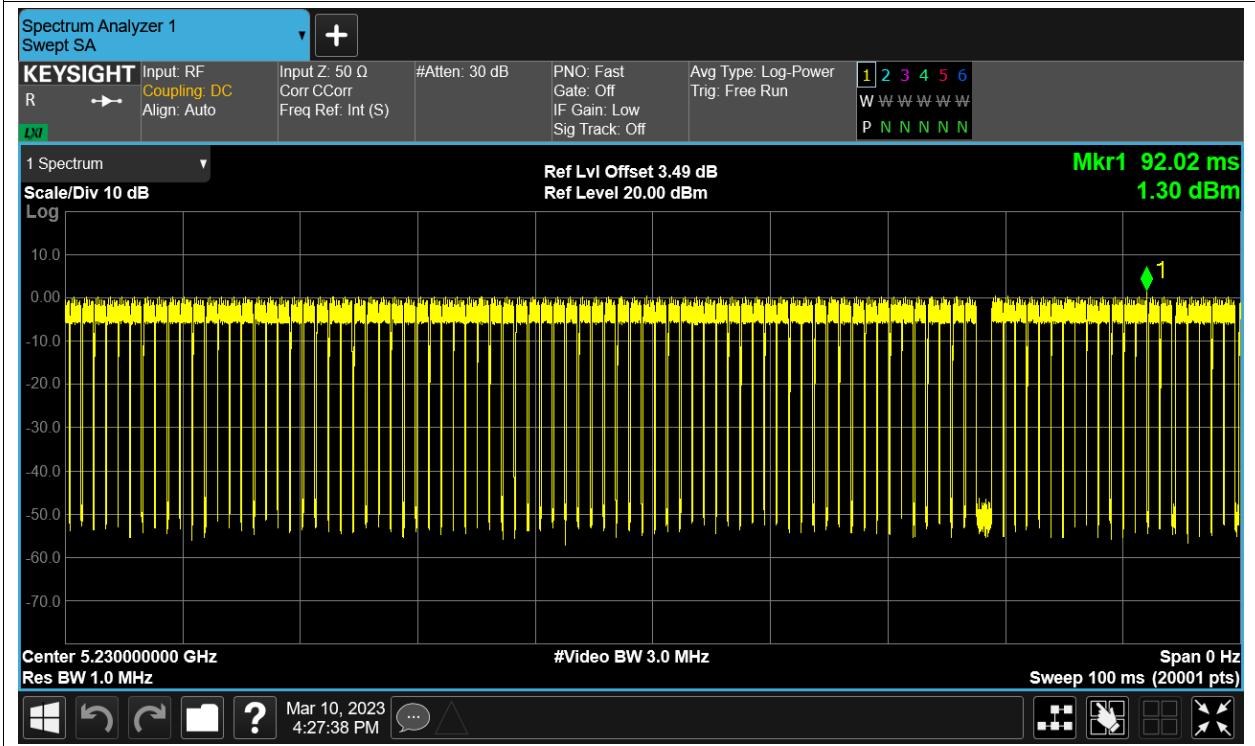
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1

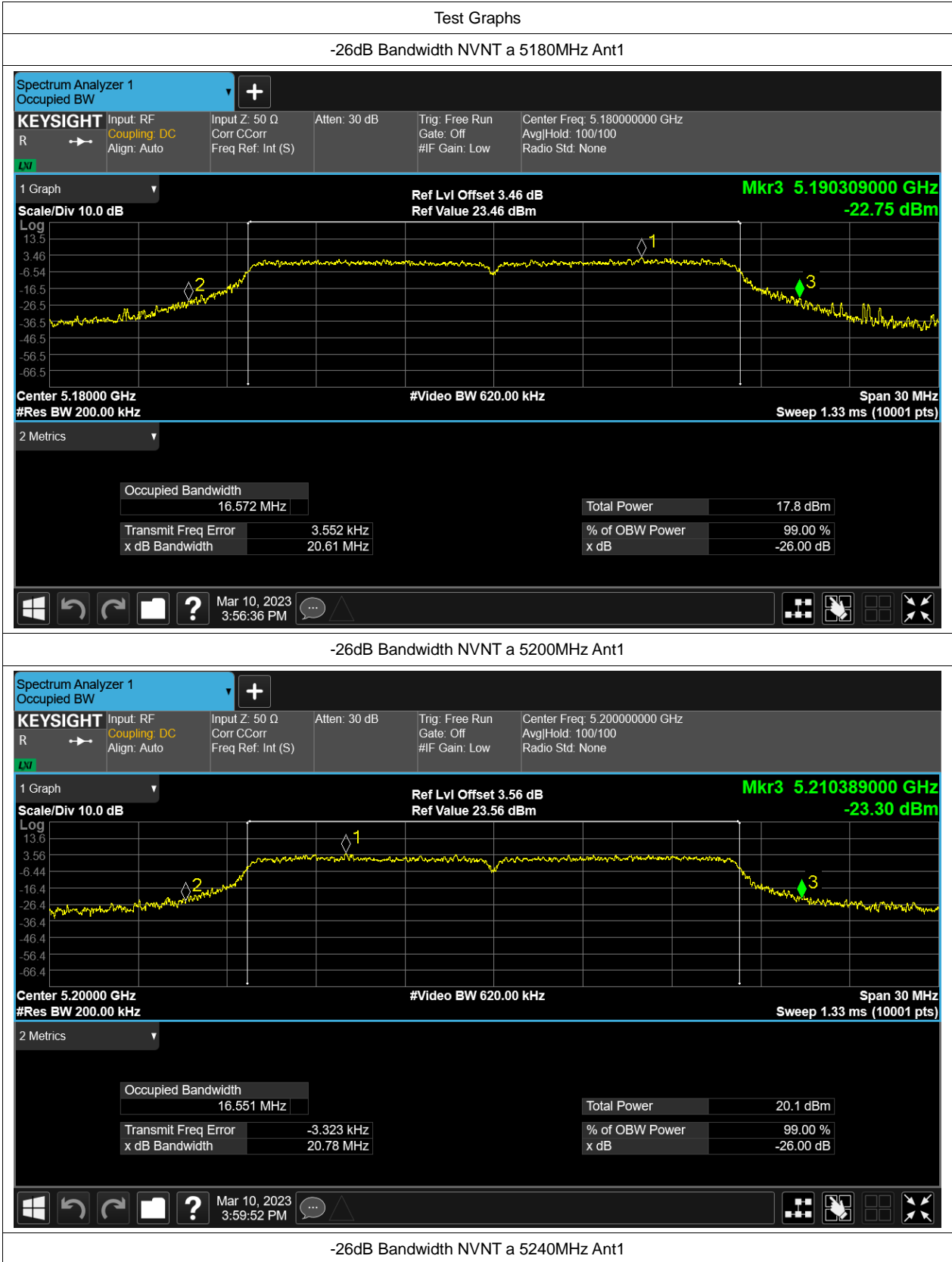


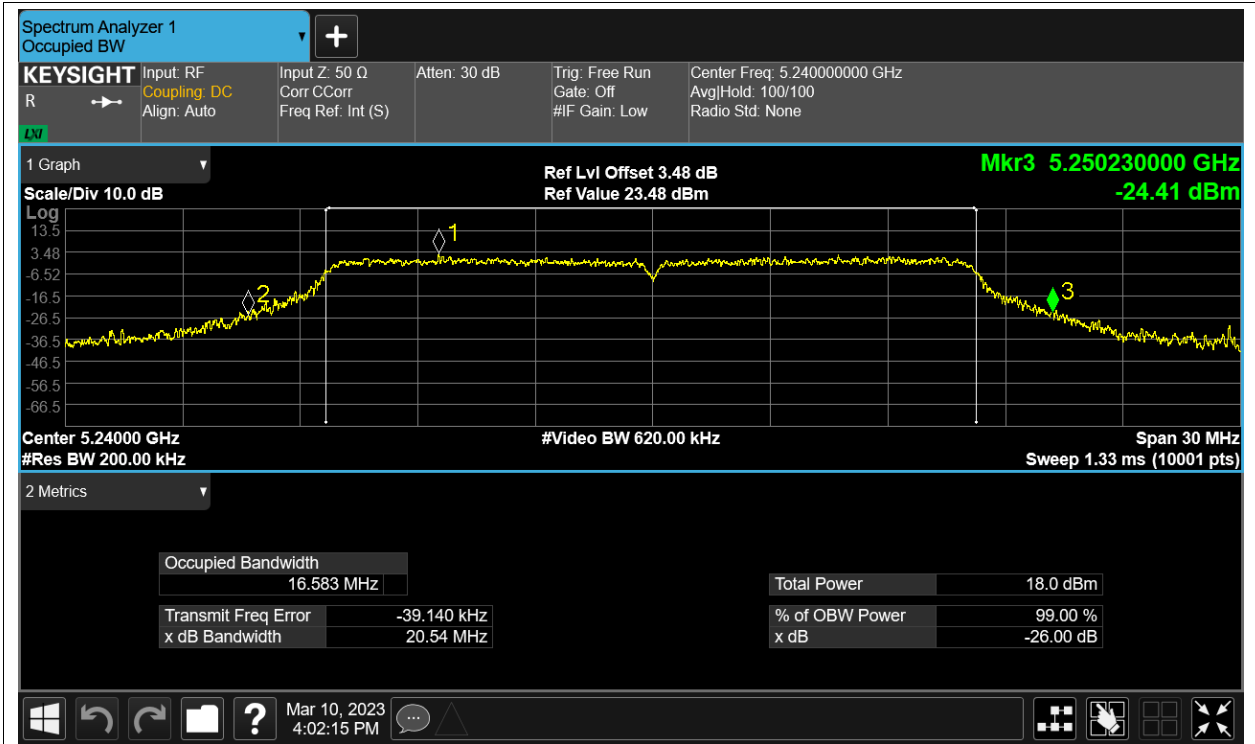
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.94	0.28	13.22	24	Pass
NVNT	a	5200	Ant1	12.68	0.22	12.9	24	Pass
NVNT	a	5240	Ant1	13	0.2	13.2	24	Pass
NVNT	ac20	5180	Ant1	12.01	0.29	12.3	24	Pass
NVNT	ac20	5200	Ant1	11.74	0.23	11.97	24	Pass
NVNT	ac20	5240	Ant1	12.02	0.23	12.25	24	Pass
NVNT	ac40	5190	Ant1	12.24	0.46	12.7	24	Pass
NVNT	ac40	5230	Ant1	12.32	0.46	12.78	24	Pass
NVNT	ac80	5210	Ant1	11.35	0.97	12.32	24	Pass
NVNT	n20	5180	Ant1	12.05	0.29	12.34	24	Pass
NVNT	n20	5200	Ant1	11.79	0.22	12.01	24	Pass
NVNT	n20	5240	Ant1	12.07	0.2	12.27	24	Pass
NVNT	n40	5190	Ant1	12.2	0.48	12.68	24	Pass
NVNT	n40	5230	Ant1	12.35	0.51	12.86	24	Pass

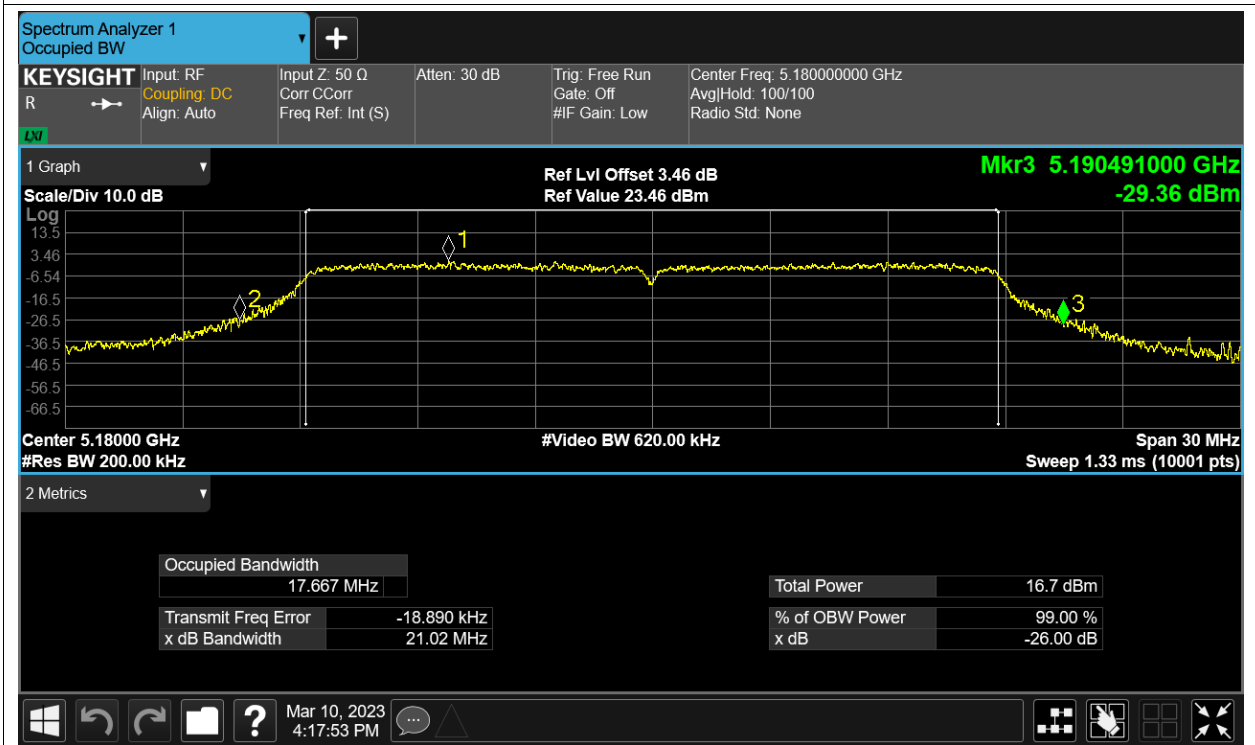
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	20.611
NVNT	a	5200	Ant1	20.784
NVNT	a	5240	Ant1	20.539
NVNT	ac20	5180	Ant1	21.019
NVNT	ac20	5200	Ant1	20.552
NVNT	ac20	5240	Ant1	21.039
NVNT	ac40	5190	Ant1	40.423
NVNT	ac40	5230	Ant1	39.704
NVNT	ac80	5210	Ant1	78.965
NVNT	n20	5180	Ant1	20.531
NVNT	n20	5200	Ant1	20.78
NVNT	n20	5240	Ant1	20.677
NVNT	n40	5190	Ant1	40.041
NVNT	n40	5230	Ant1	39.832

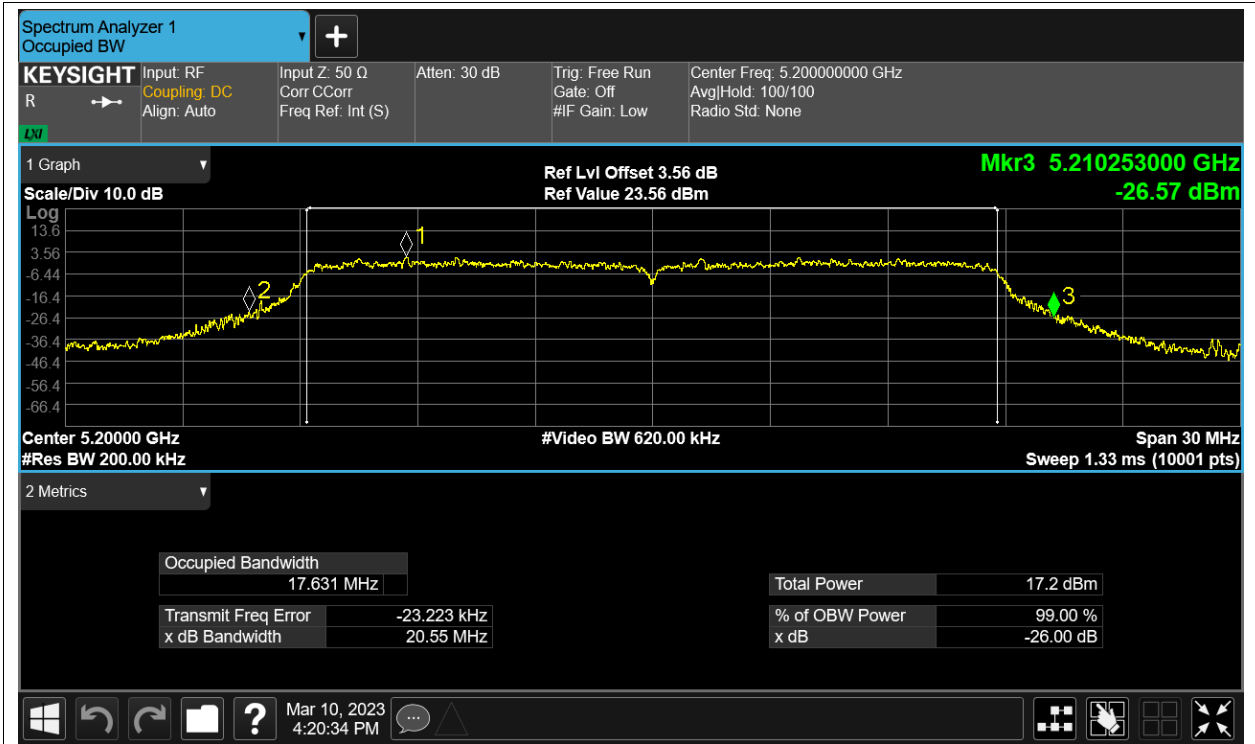




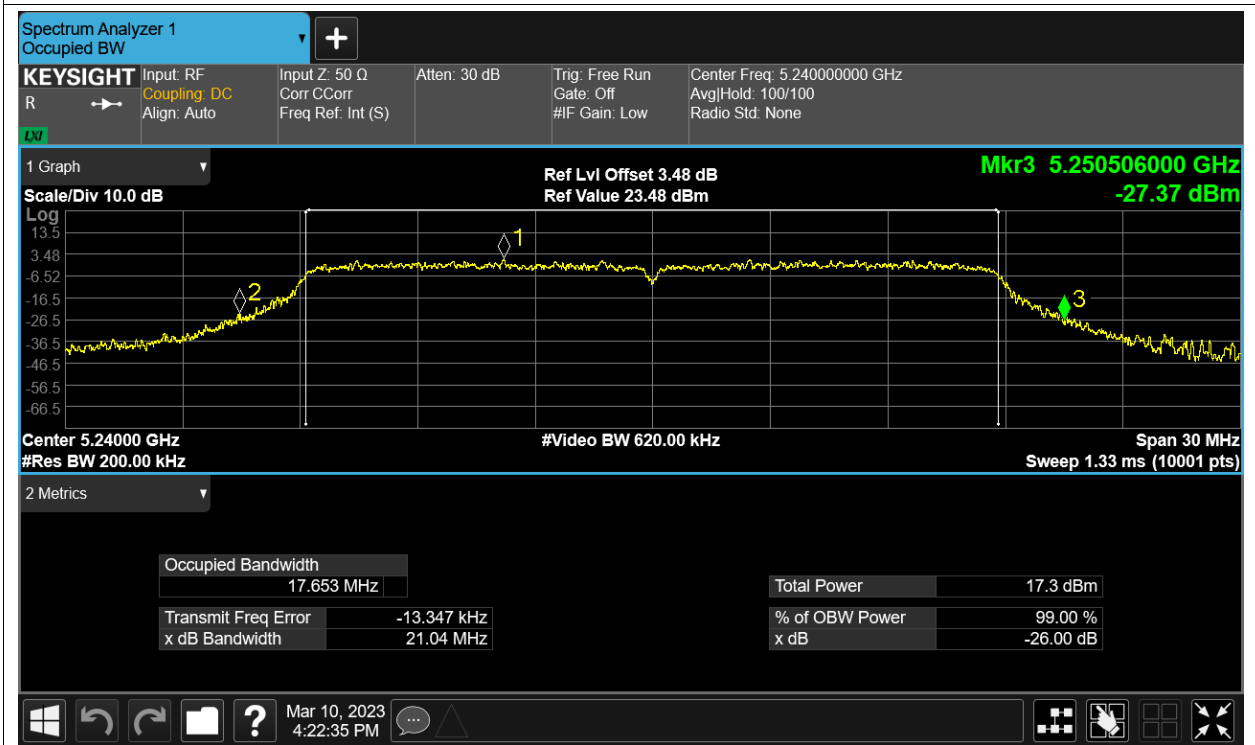
-26dB Bandwidth NVNT ac20 5180MHz Ant1



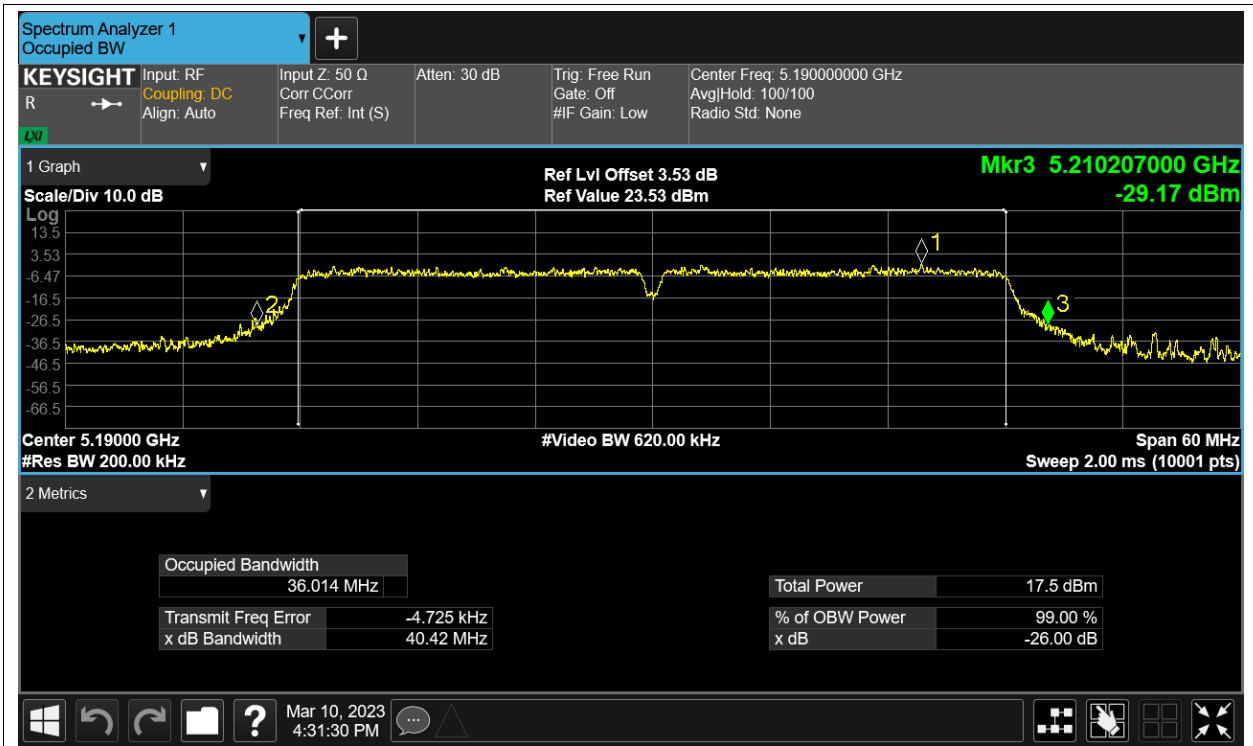
-26dB Bandwidth NVNT ac20 5200MHz Ant1



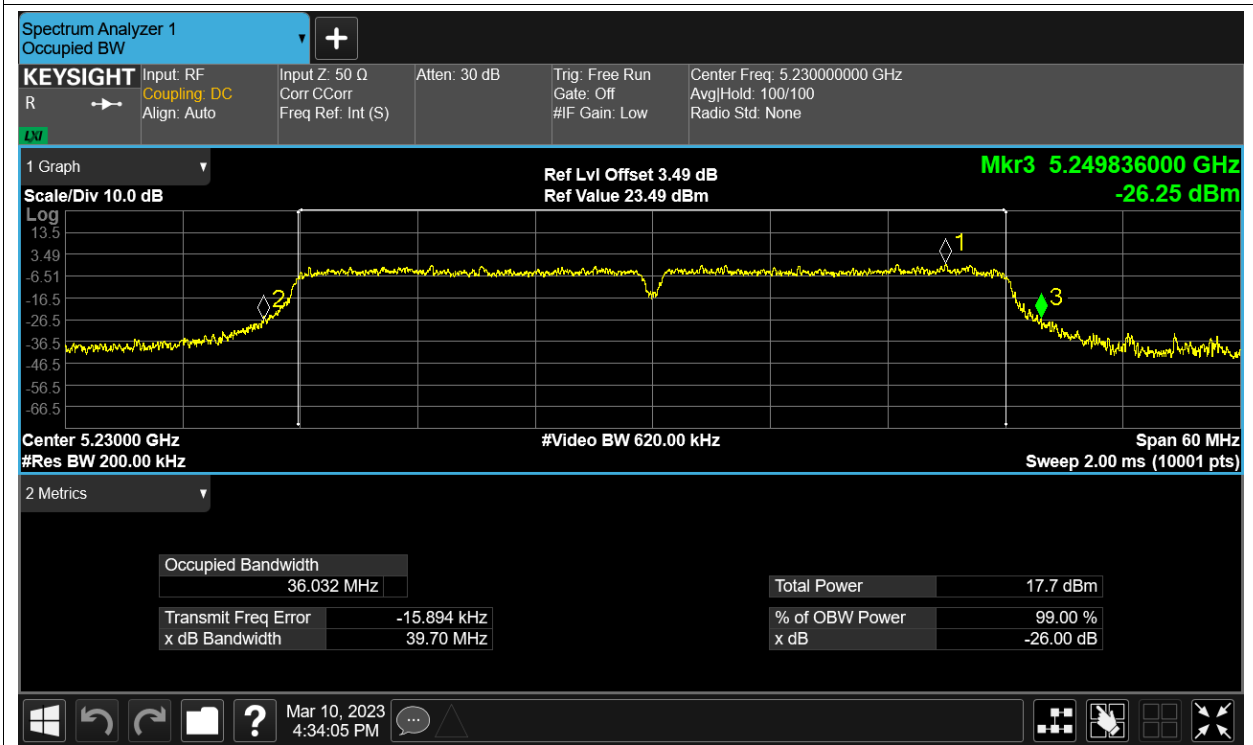
-26dB Bandwidth NVNT ac20 5240MHz Ant1



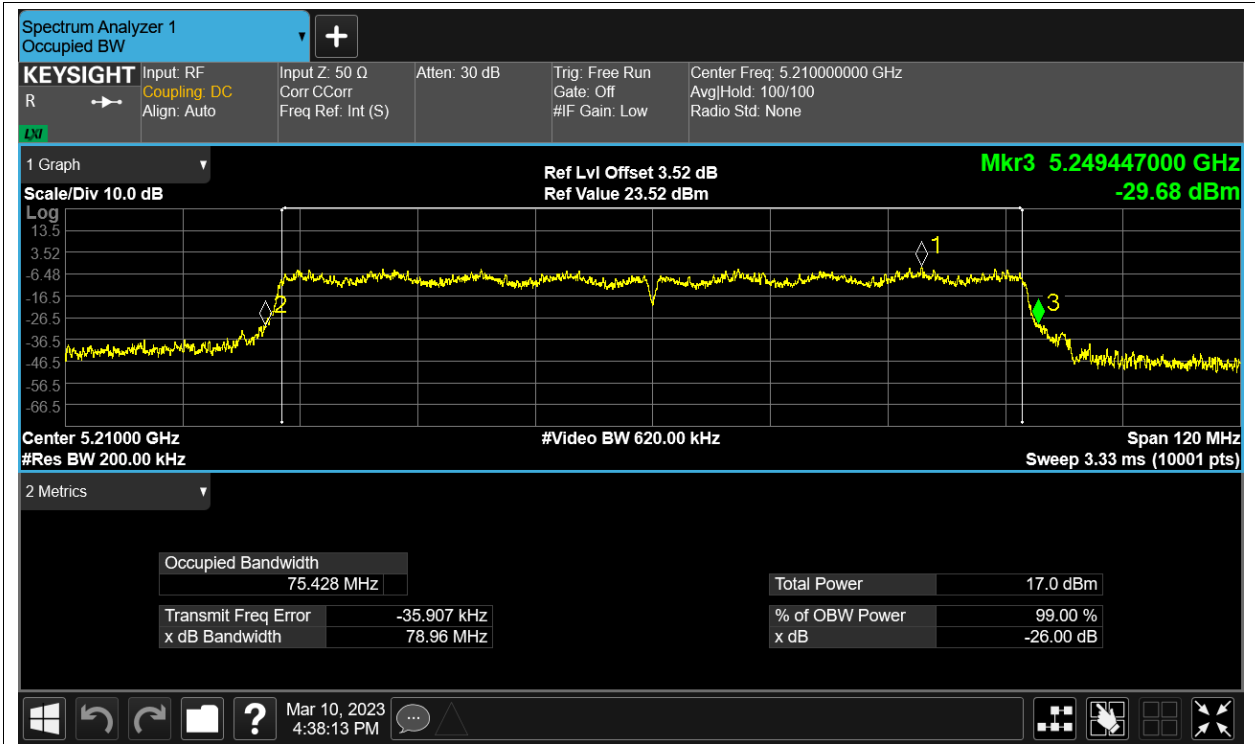
-26dB Bandwidth NVNT ac40 5190MHz Ant1



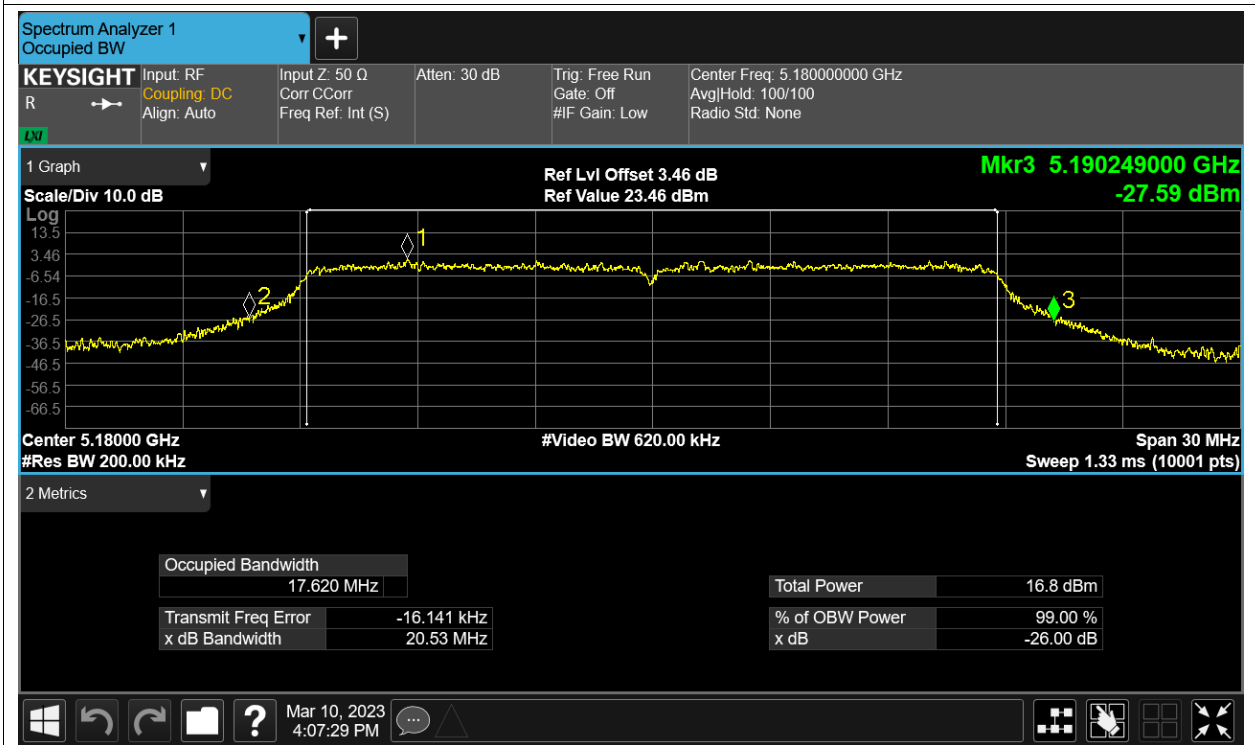
-26dB Bandwidth NVNT ac40 5230MHz Ant1



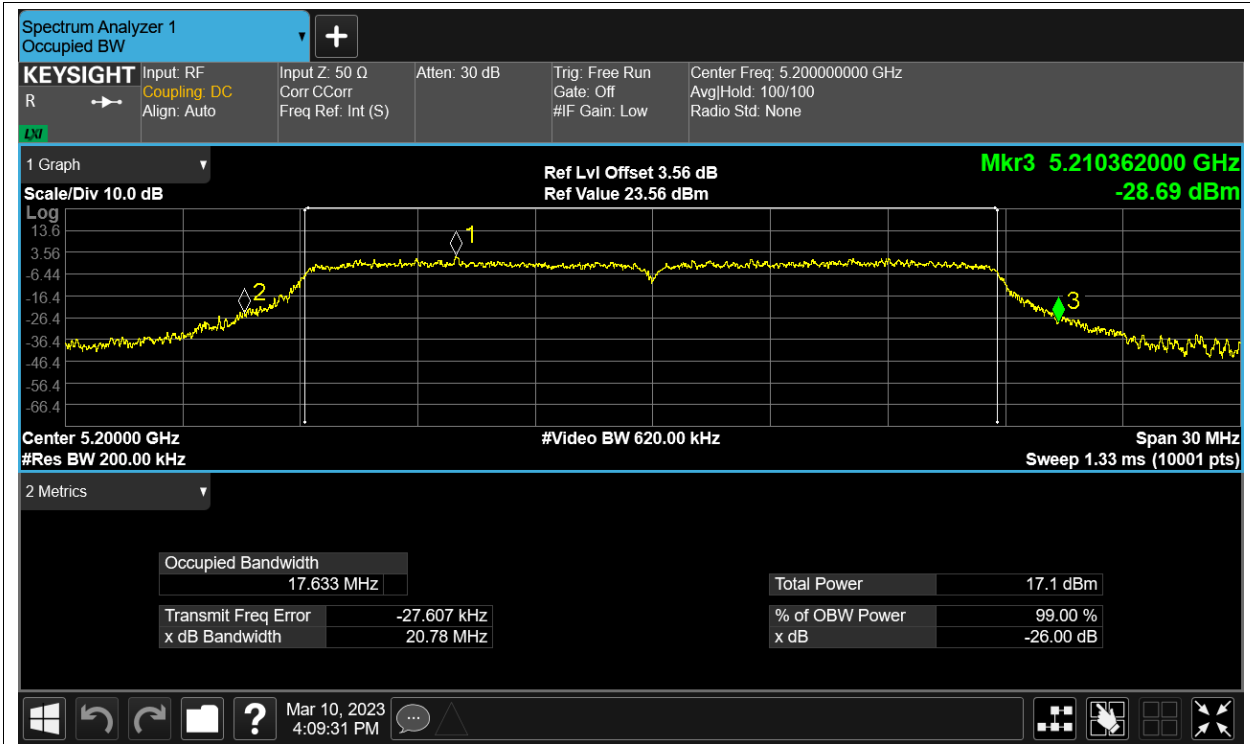
-26dB Bandwidth NVNT ac80 5210MHz Ant1



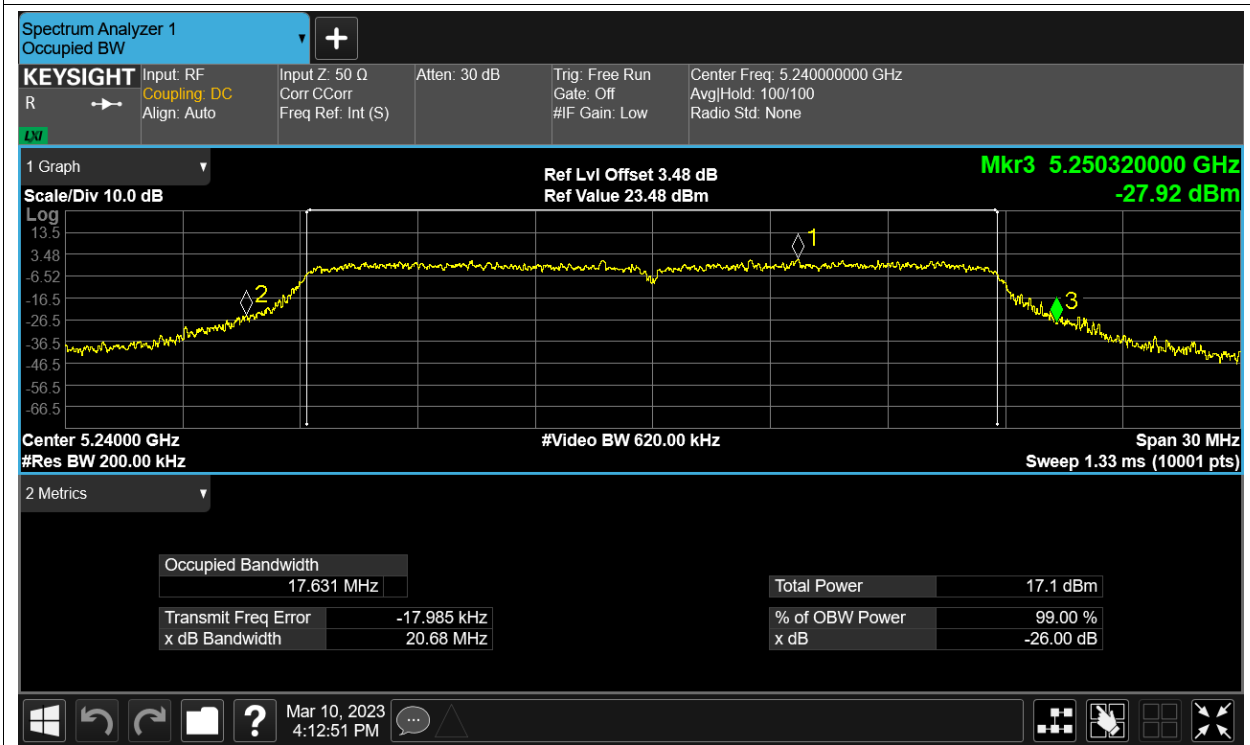
-26dB Bandwidth NVNT n20 5180MHz Ant1



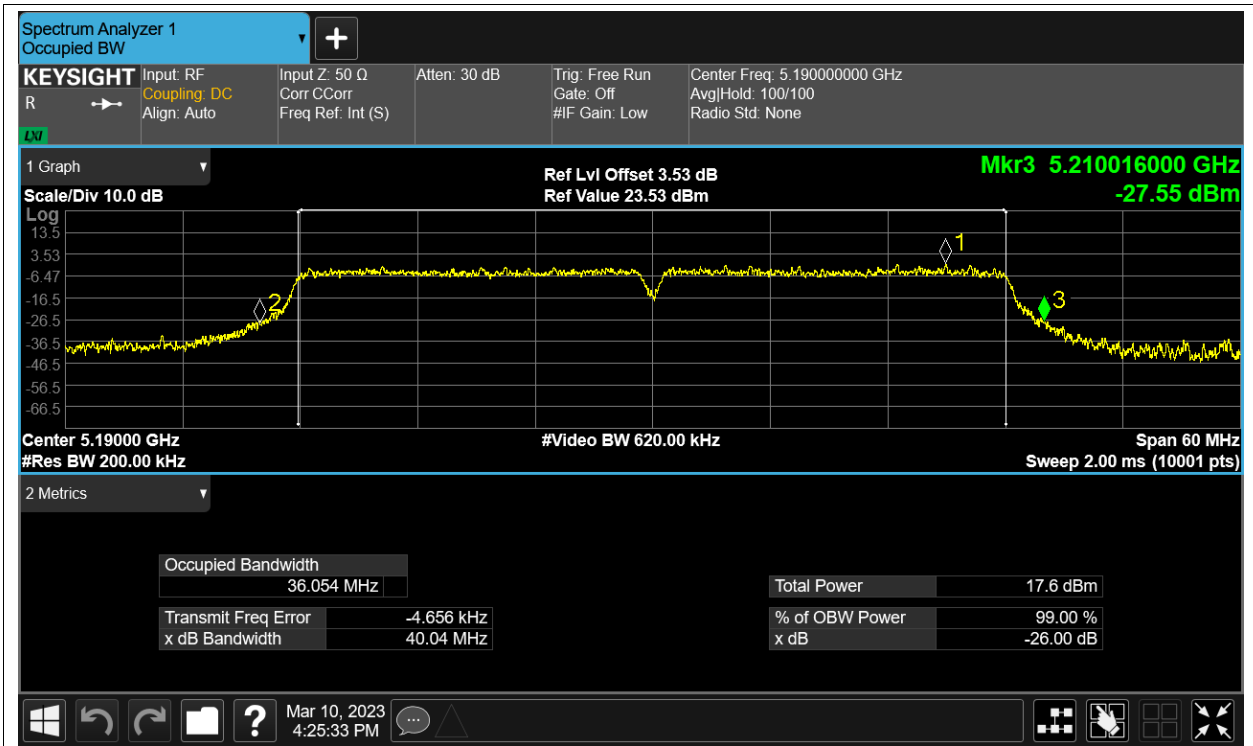
-26dB Bandwidth NVNT n20 5200MHz Ant1



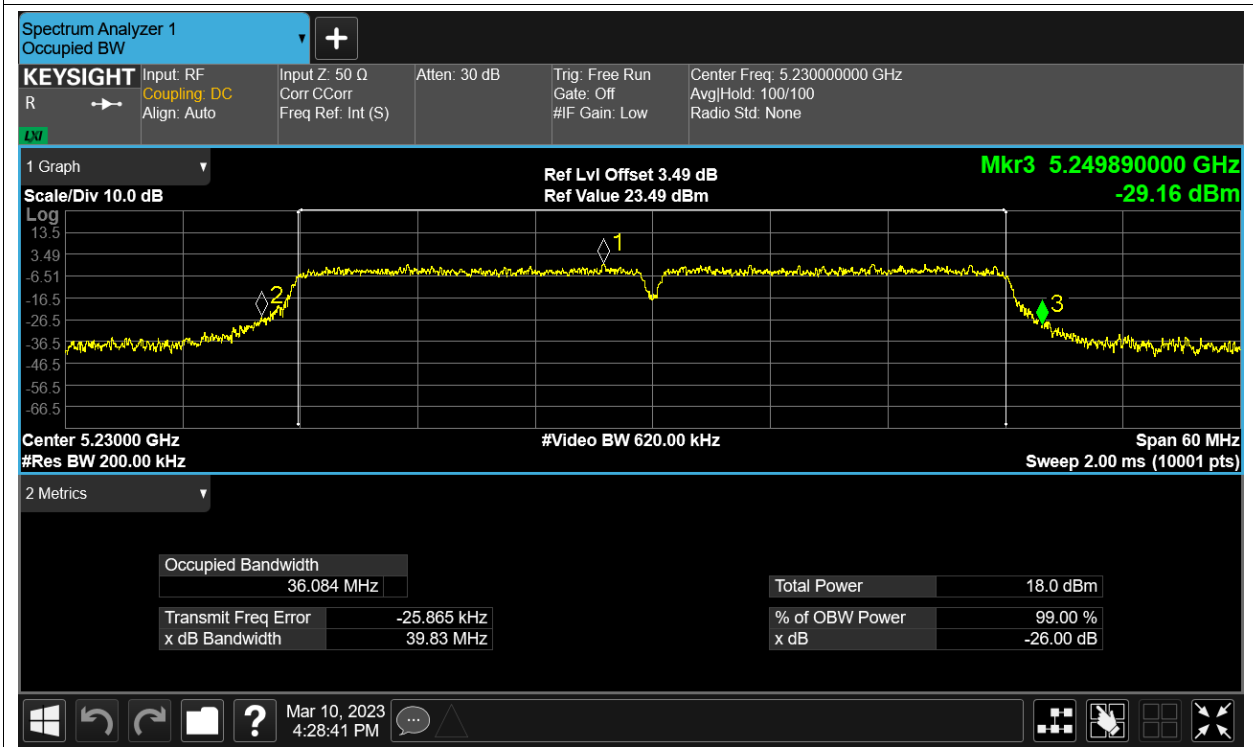
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

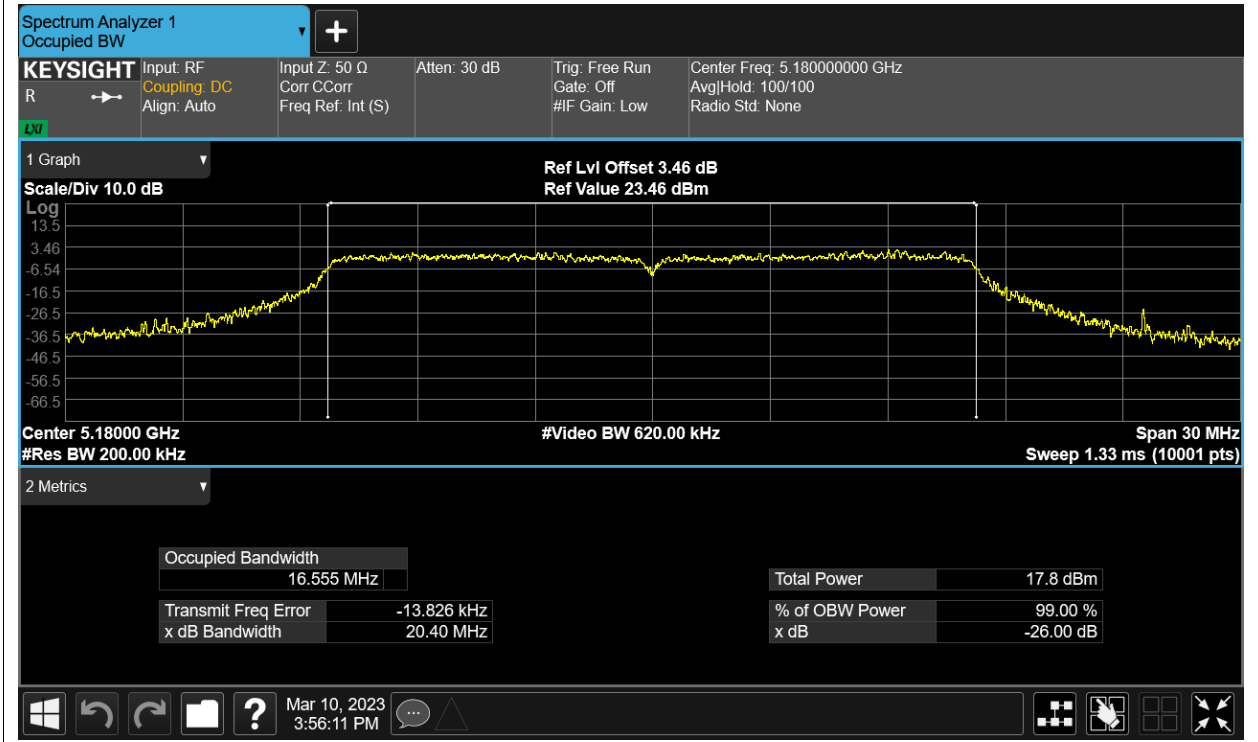


Occupied Channel Bandwidth

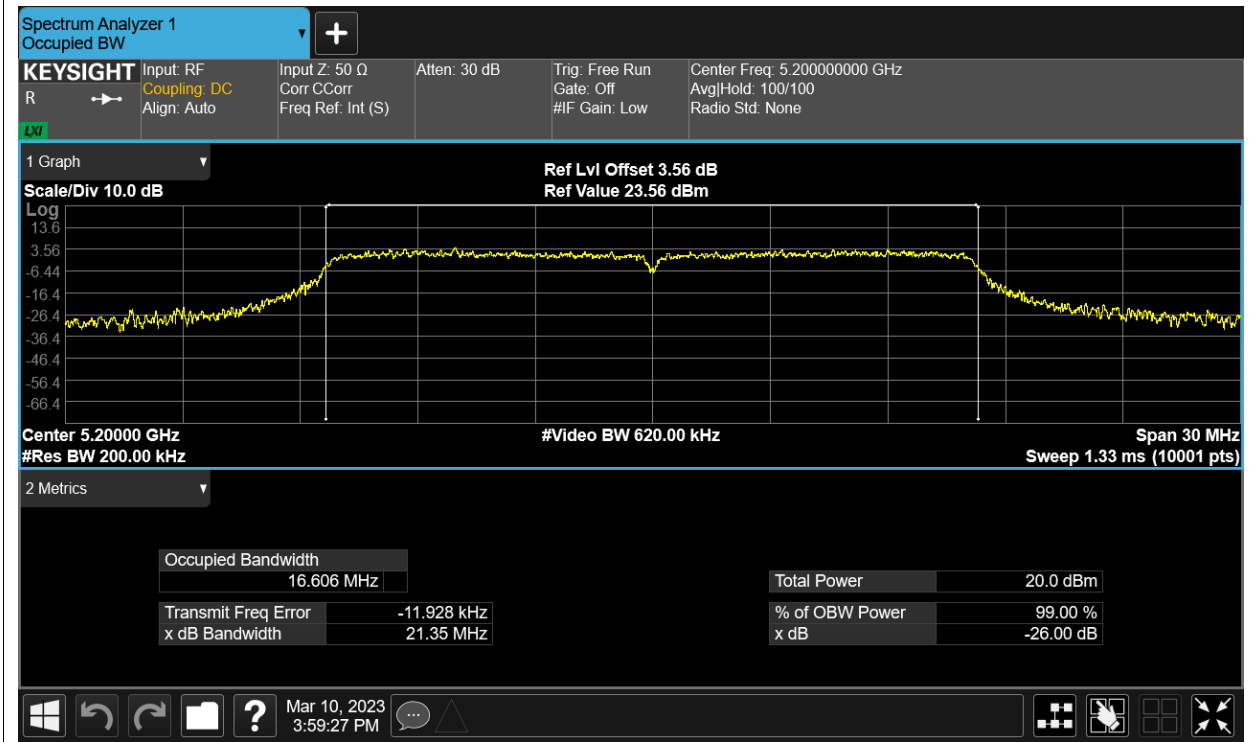
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.555
NVNT	a	5200	Ant1	16.606
NVNT	a	5240	Ant1	16.589
NVNT	ac20	5180	Ant1	17.649
NVNT	ac20	5200	Ant1	17.618
NVNT	ac20	5240	Ant1	17.654
NVNT	ac40	5190	Ant1	36.134
NVNT	ac40	5230	Ant1	36.169
NVNT	ac80	5210	Ant1	75.527
NVNT	n20	5180	Ant1	17.614
NVNT	n20	5200	Ant1	17.622
NVNT	n20	5240	Ant1	17.63
NVNT	n40	5190	Ant1	36.231
NVNT	n40	5230	Ant1	36.197

Test Graphs

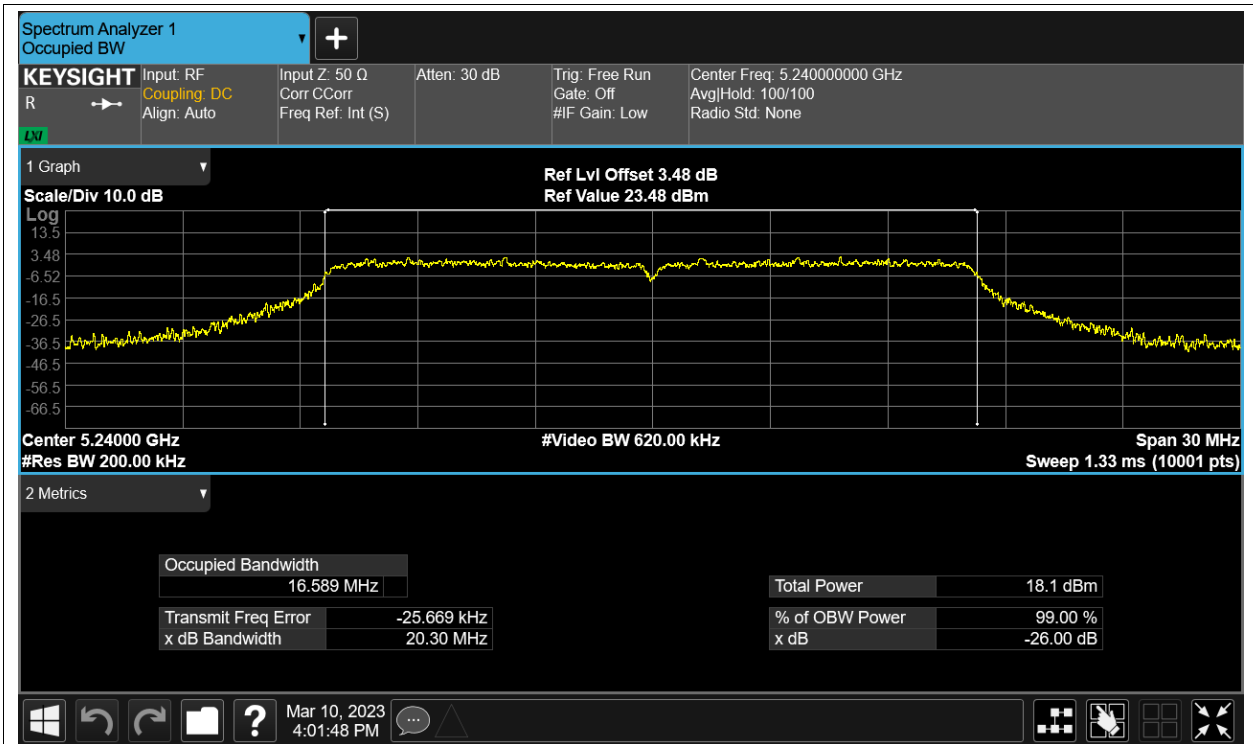
OBW NVNT a 5180MHz Ant1



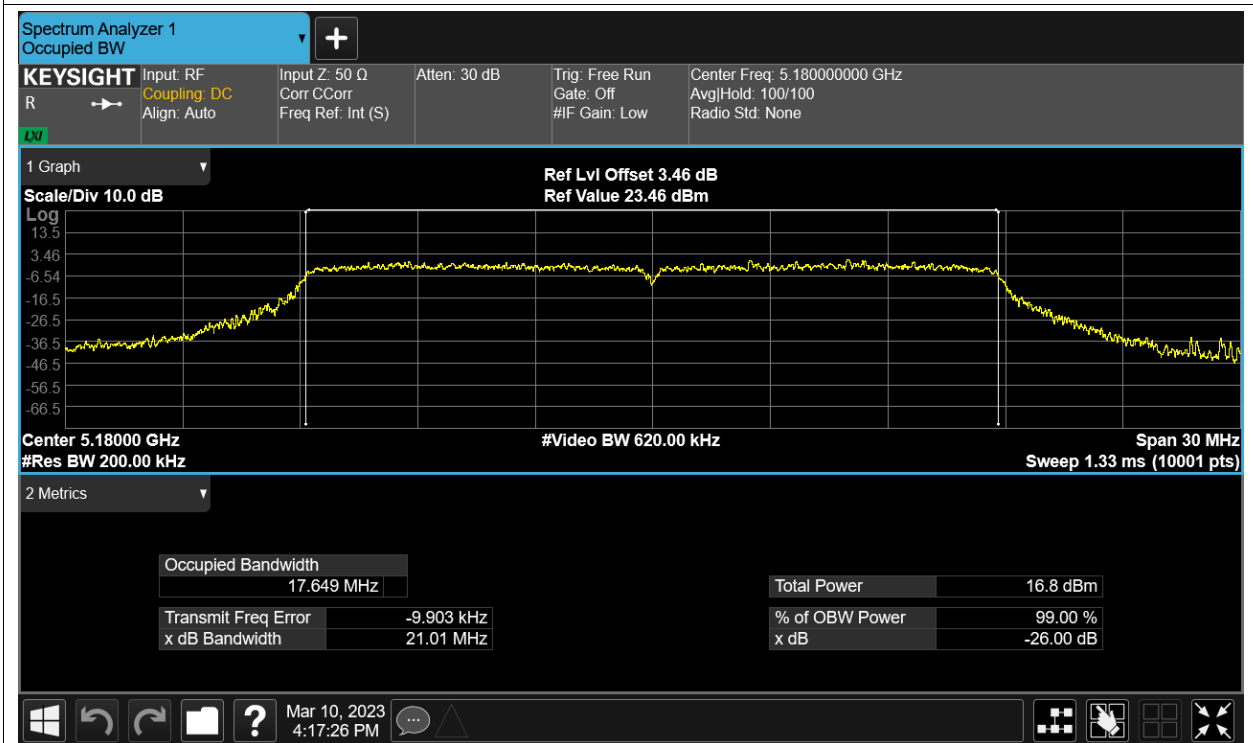
OBW NVNT a 5200MHz Ant1



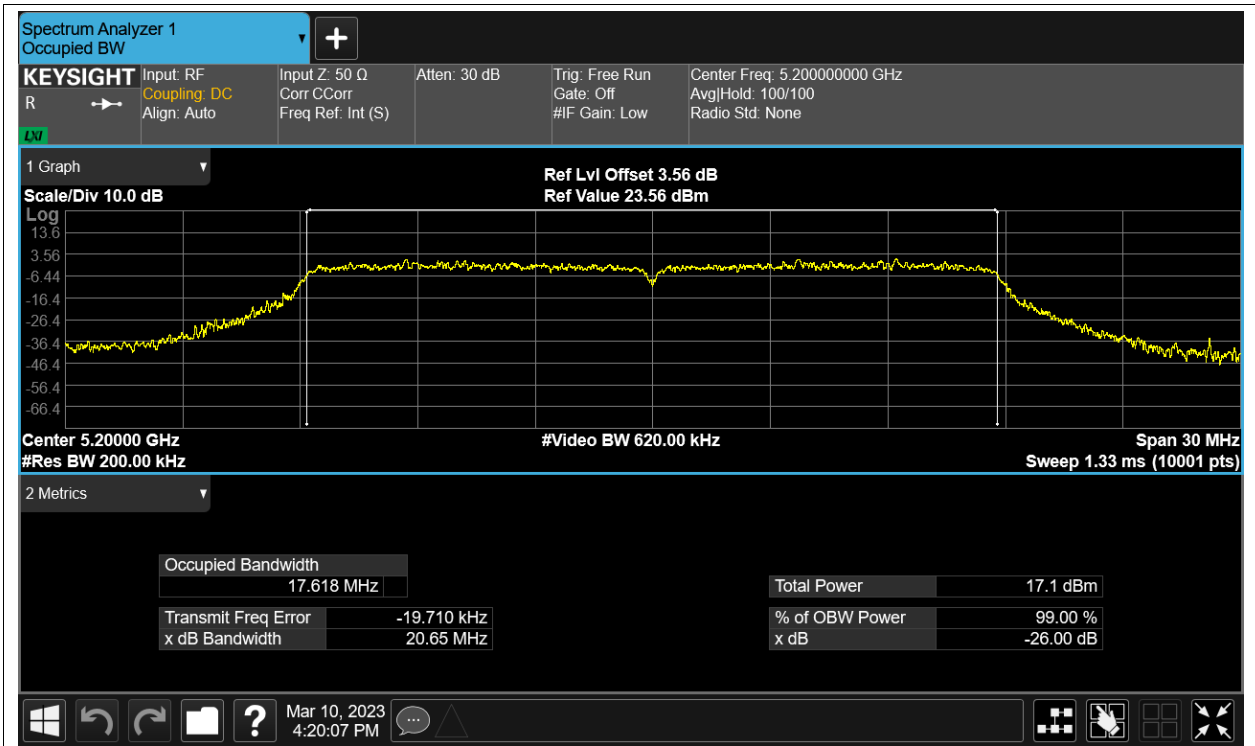
OBW NVNT a 5240MHz Ant1



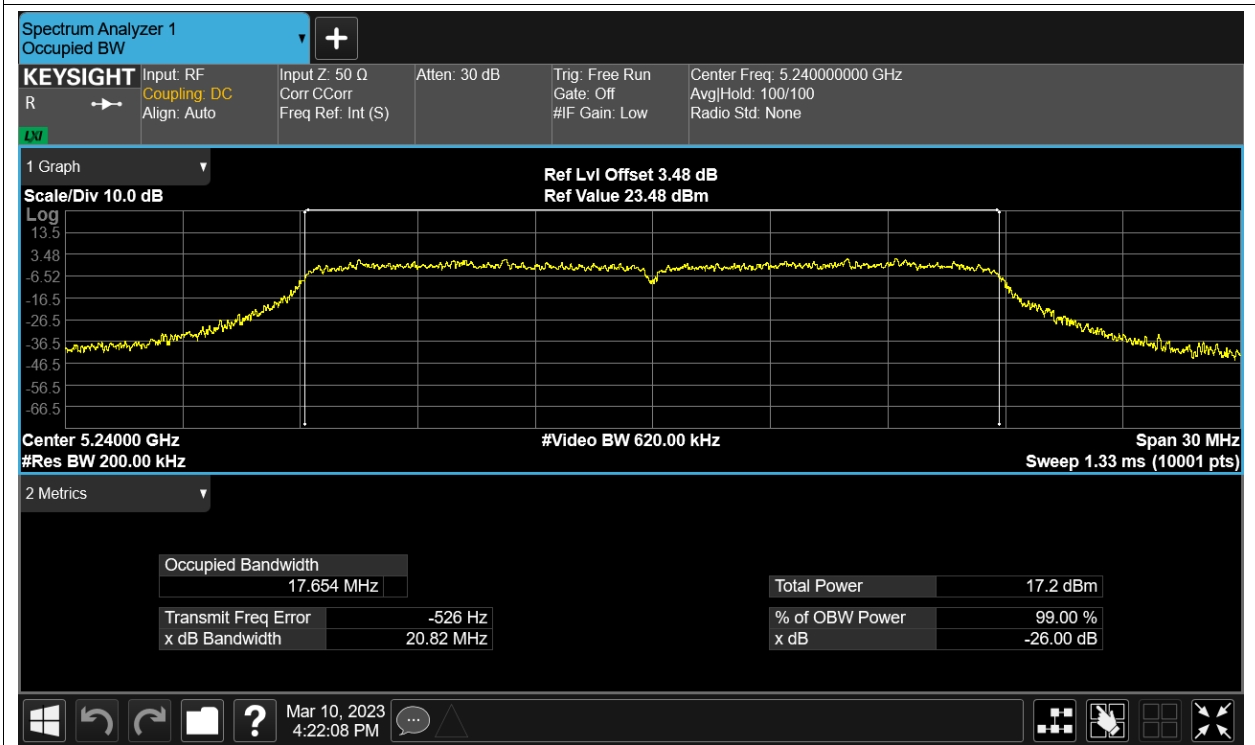
OBW NVNT ac20 5180MHz Ant1



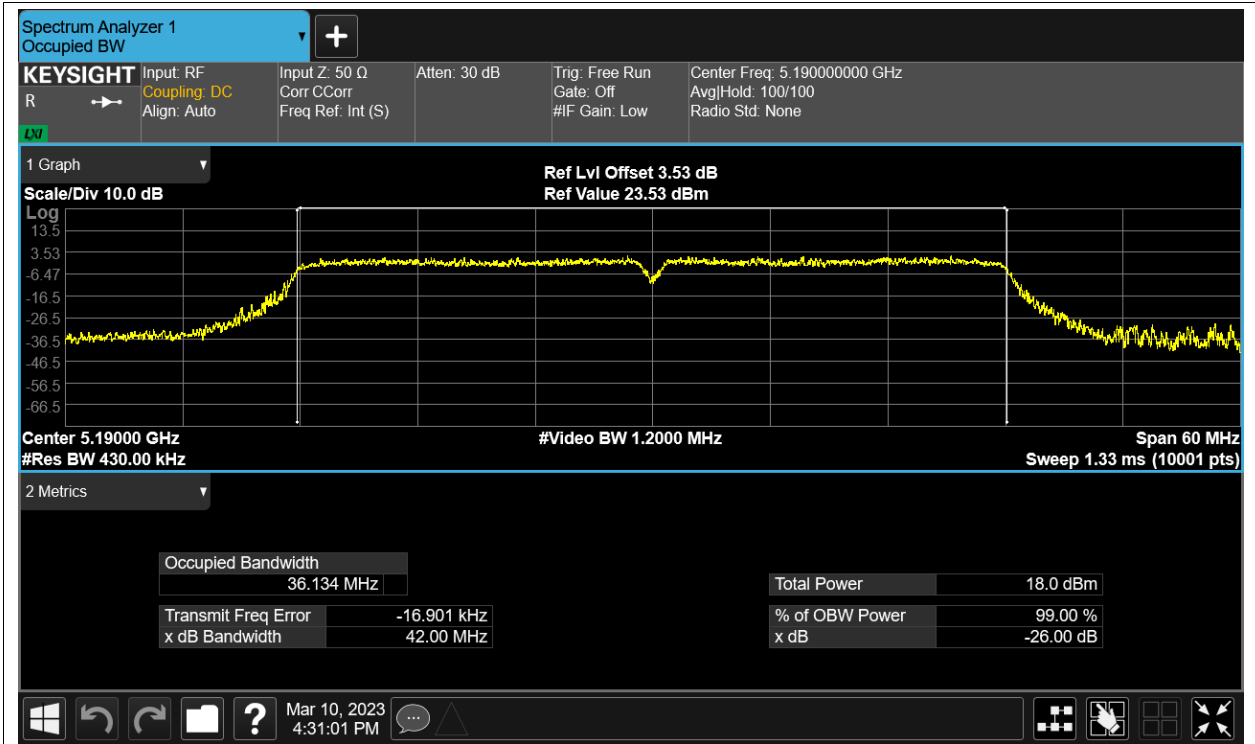
OBW NVNT ac20 5200MHz Ant1



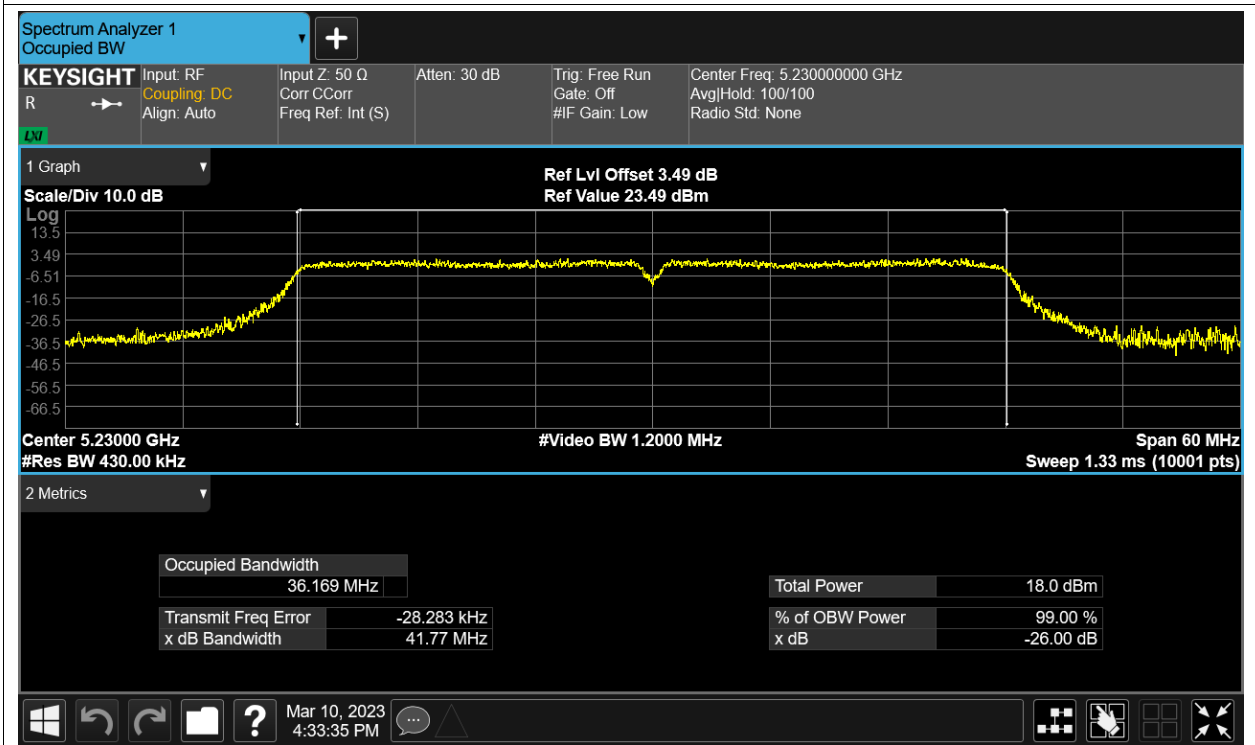
OBW NVNT ac20 5240MHz Ant1



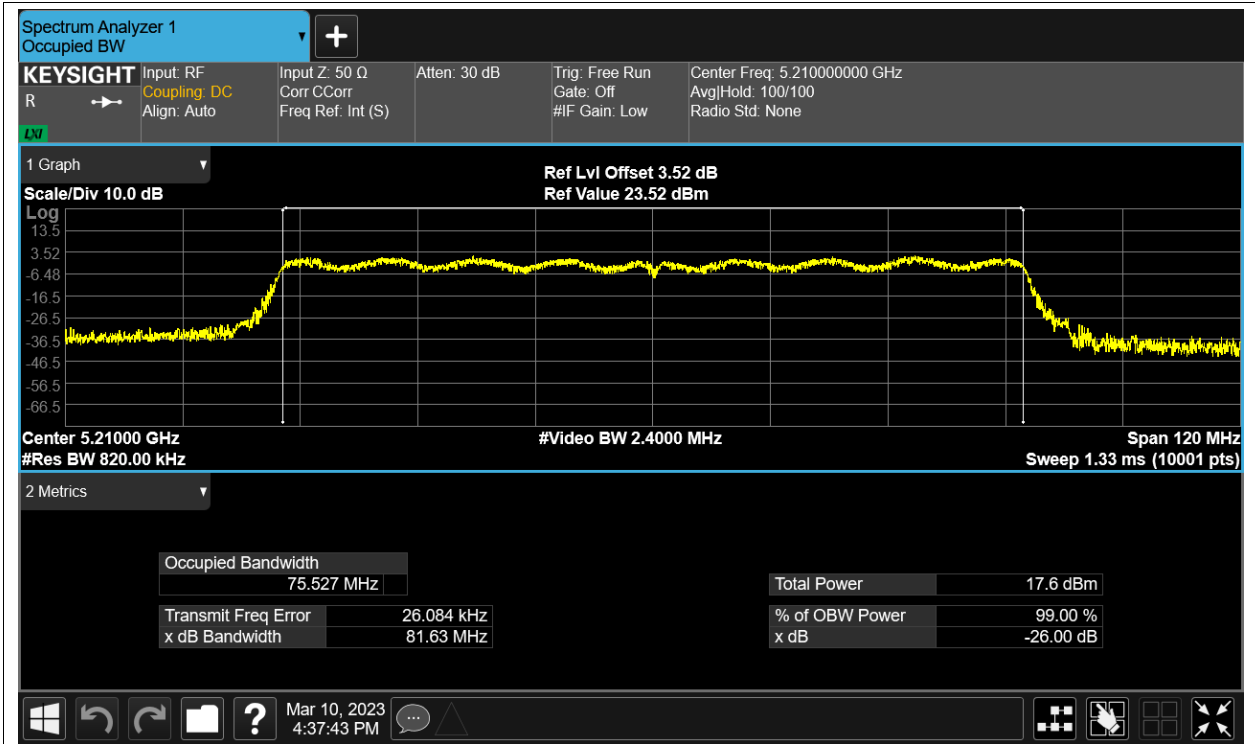
OBW NVNT ac40 5190MHz Ant1



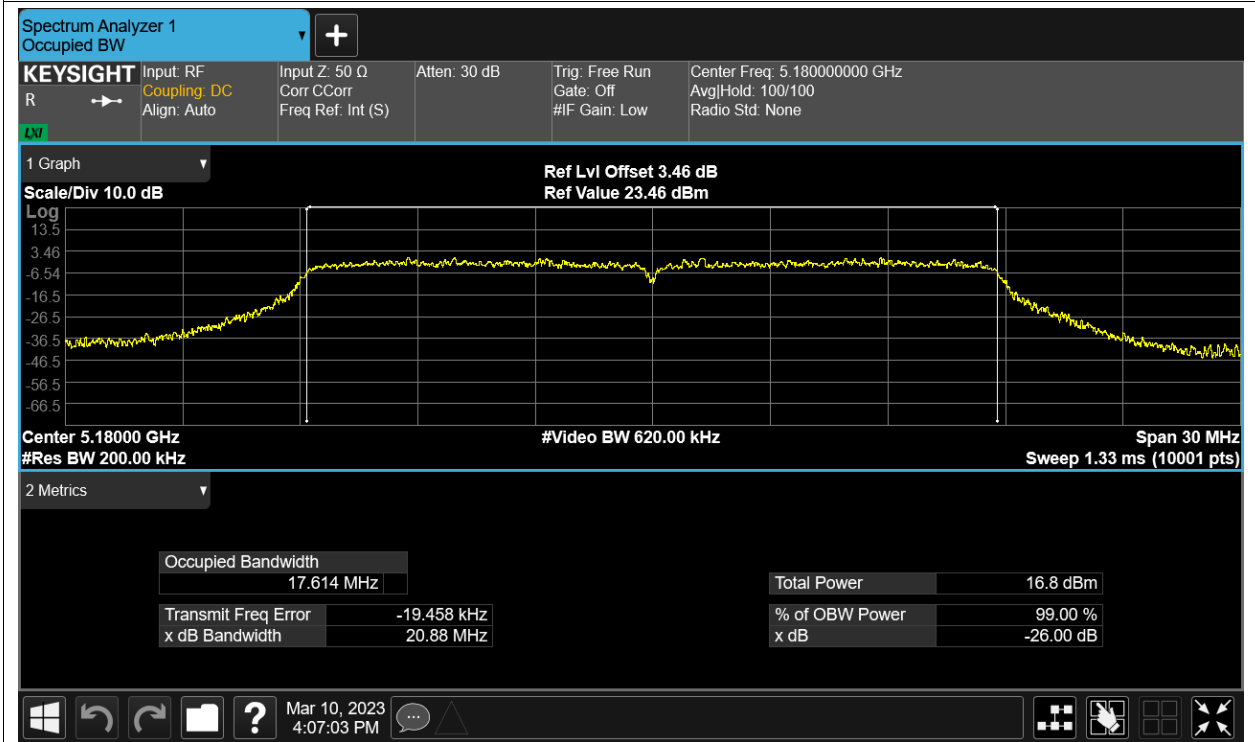
OBW NVNT ac40 5230MHz Ant1



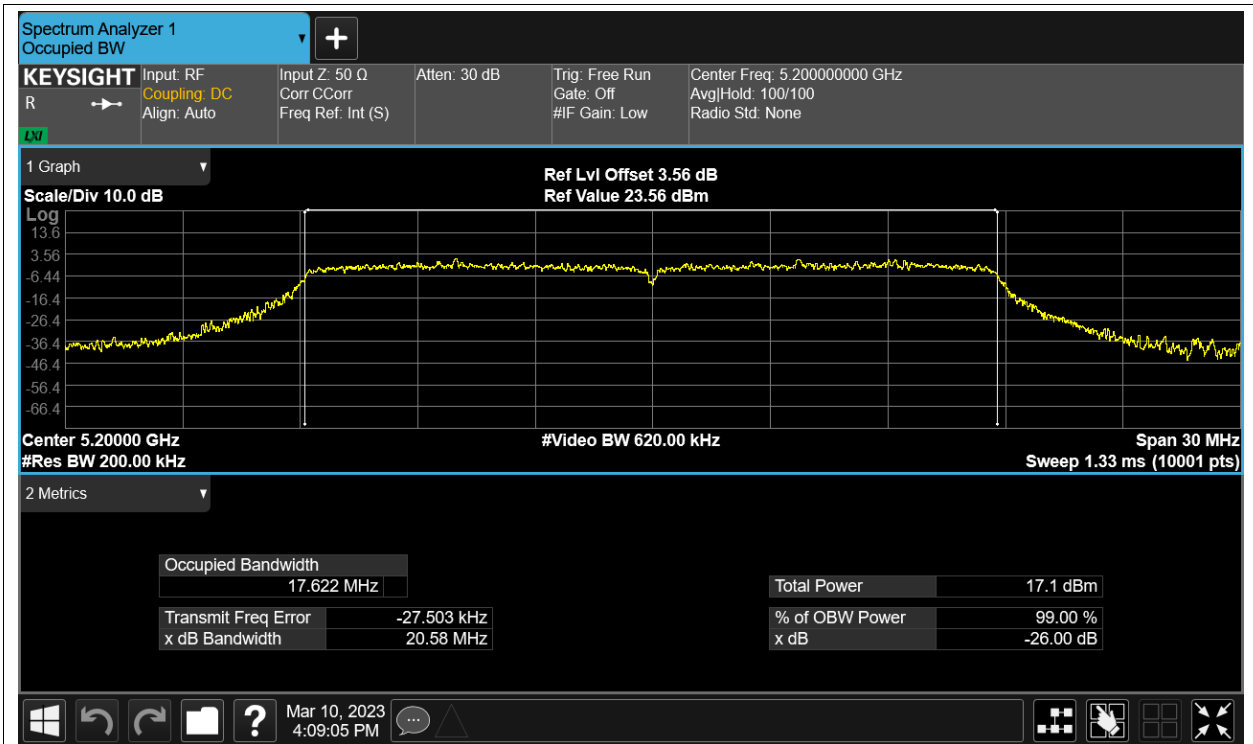
OBW NVNT ac80 5210MHz Ant1



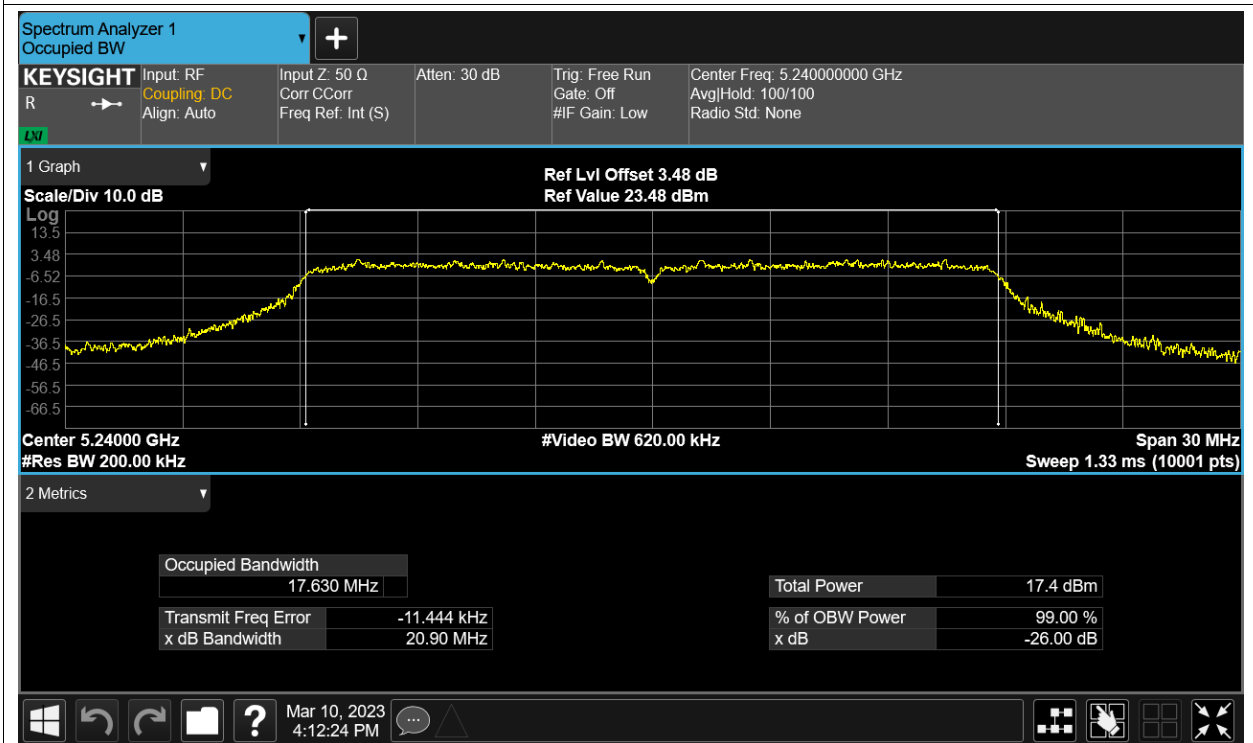
OBW NVNT n20 5180MHz Ant1



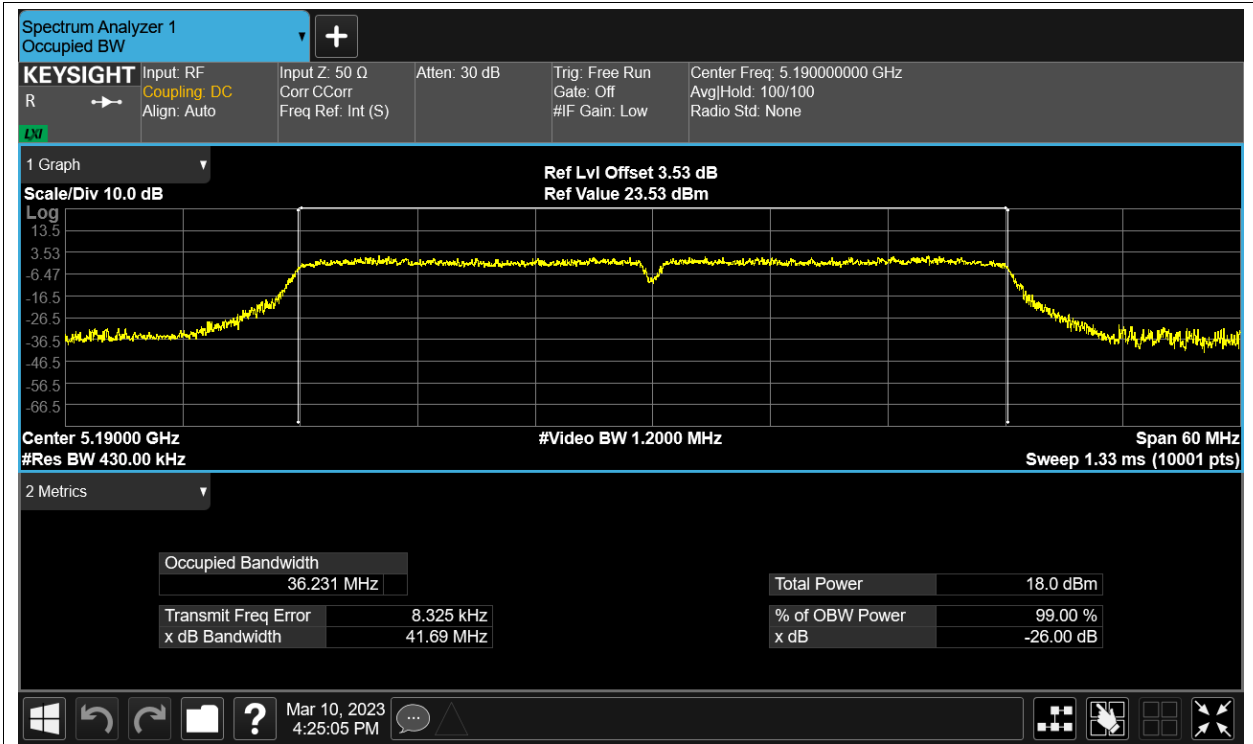
OBW NVNT n20 5200MHz Ant1



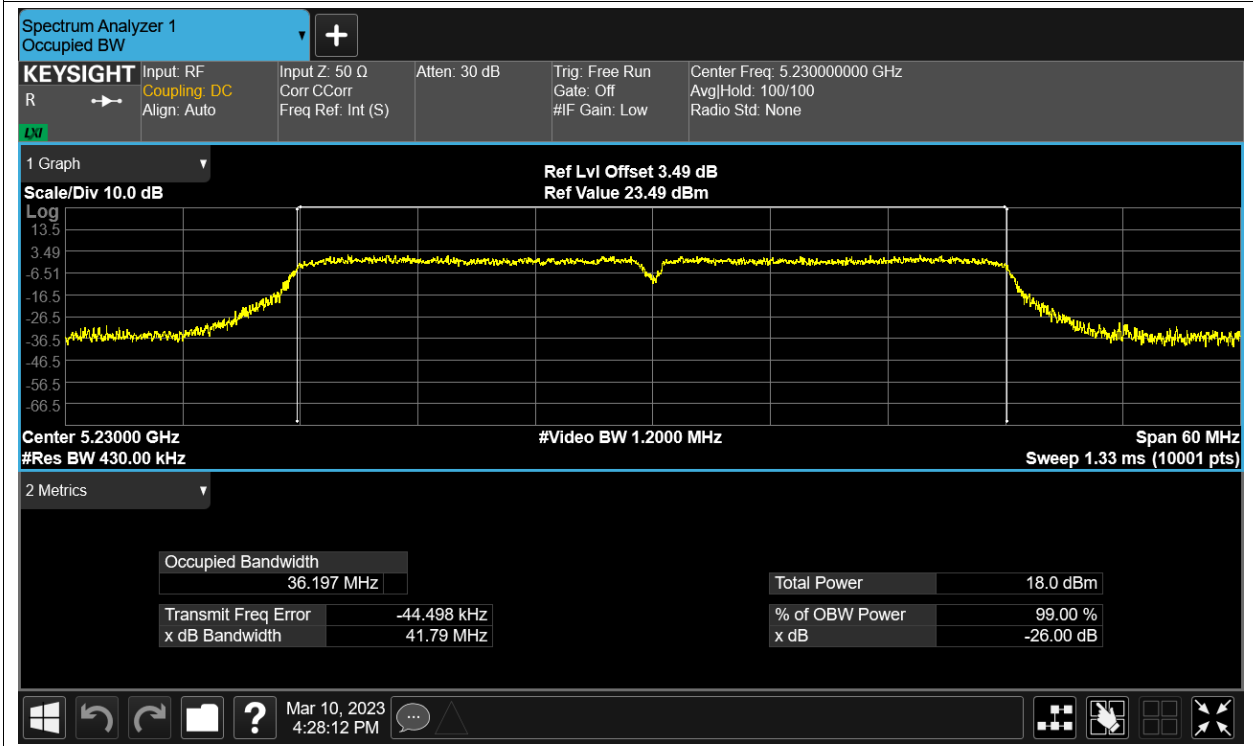
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

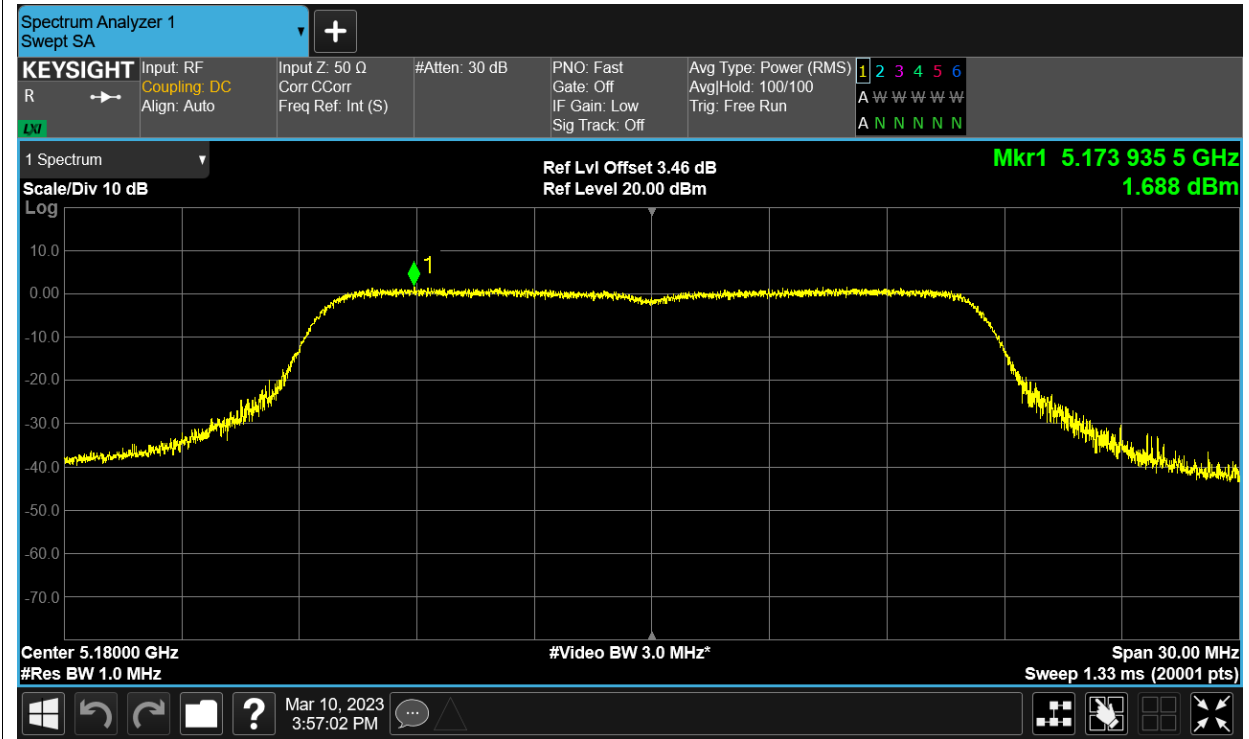


Maximum Power Spectral Density Level

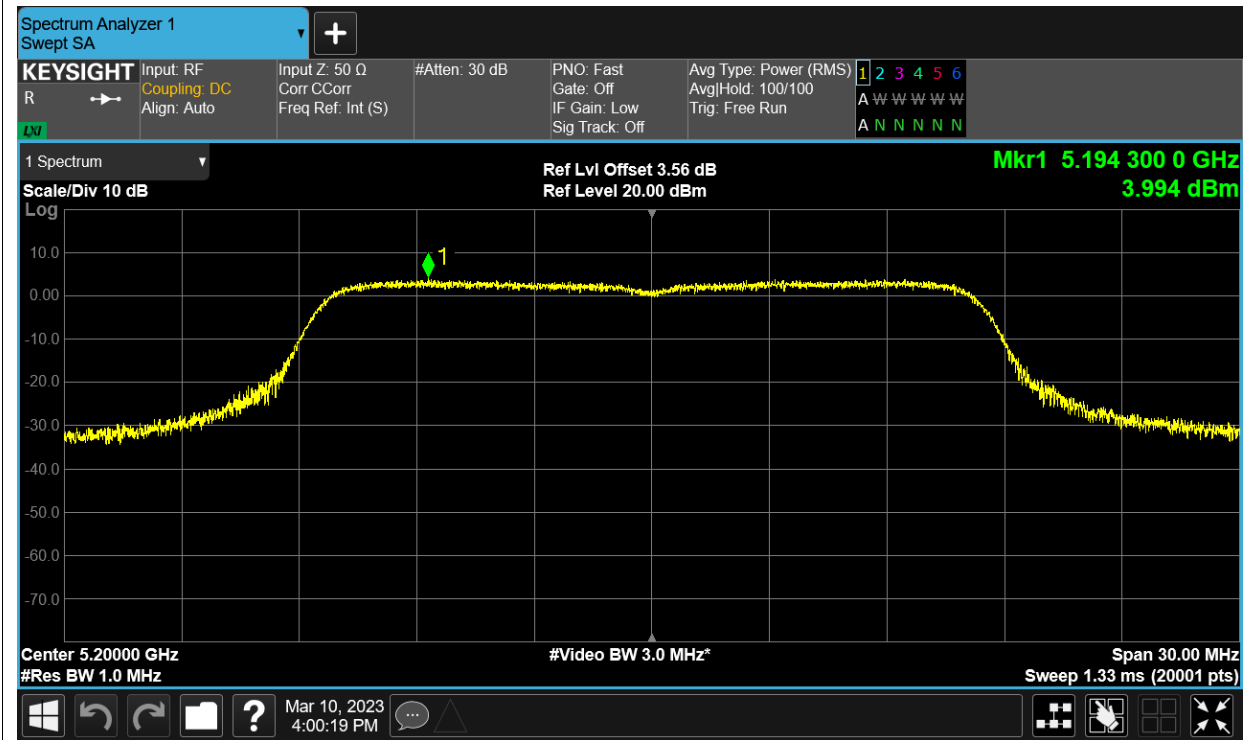
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1.688	11	Pass
NVNT	a	5200	Ant1	3.994	11	Pass
NVNT	a	5240	Ant1	2.034	11	Pass
NVNT	ac20	5180	Ant1	0.552	11	Pass
NVNT	ac20	5200	Ant1	1.09	11	Pass
NVNT	ac20	5240	Ant1	0.869	11	Pass
NVNT	ac40	5190	Ant1	-1.695	11	Pass
NVNT	ac40	5230	Ant1	-1.63	11	Pass
NVNT	ac80	5210	Ant1	-5.696	11	Pass
NVNT	n20	5180	Ant1	0.563	11	Pass
NVNT	n20	5200	Ant1	0.647	11	Pass
NVNT	n20	5240	Ant1	0.856	11	Pass
NVNT	n40	5190	Ant1	-1.562	11	Pass
NVNT	n40	5230	Ant1	-1.884	11	Pass

Test Graphs

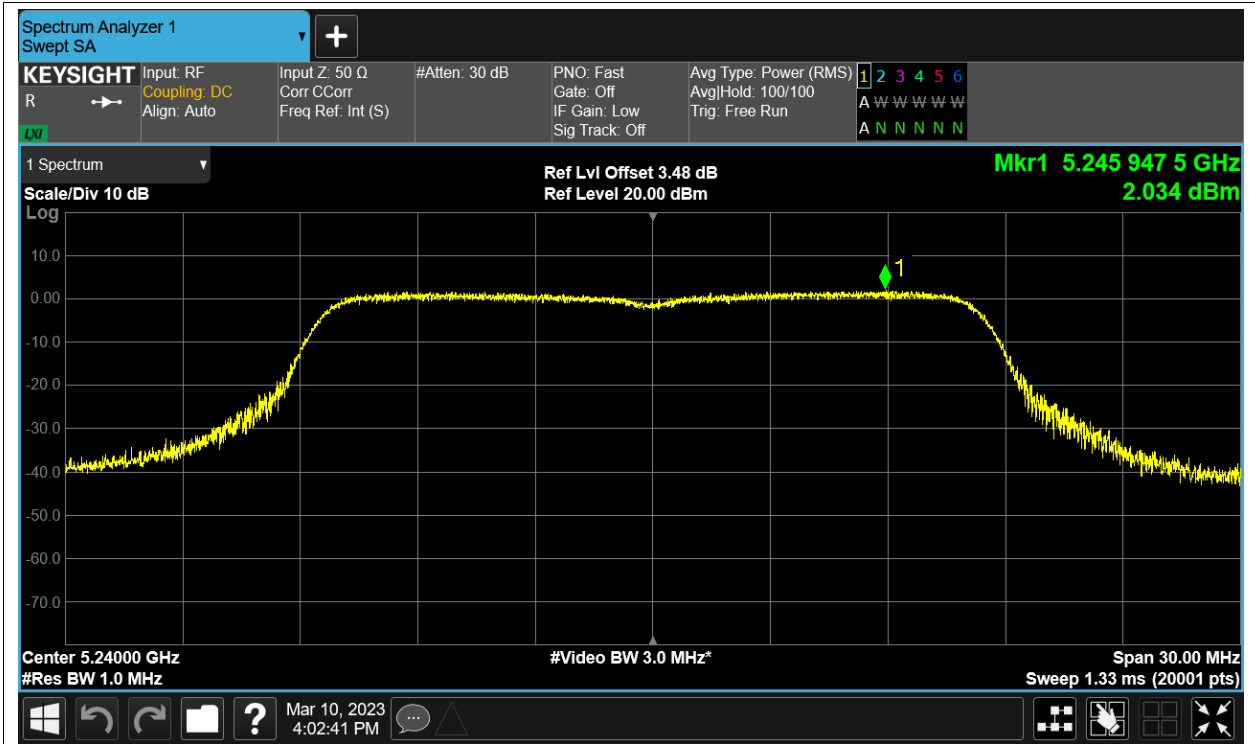
PSD NVNT a 5180MHz Ant1



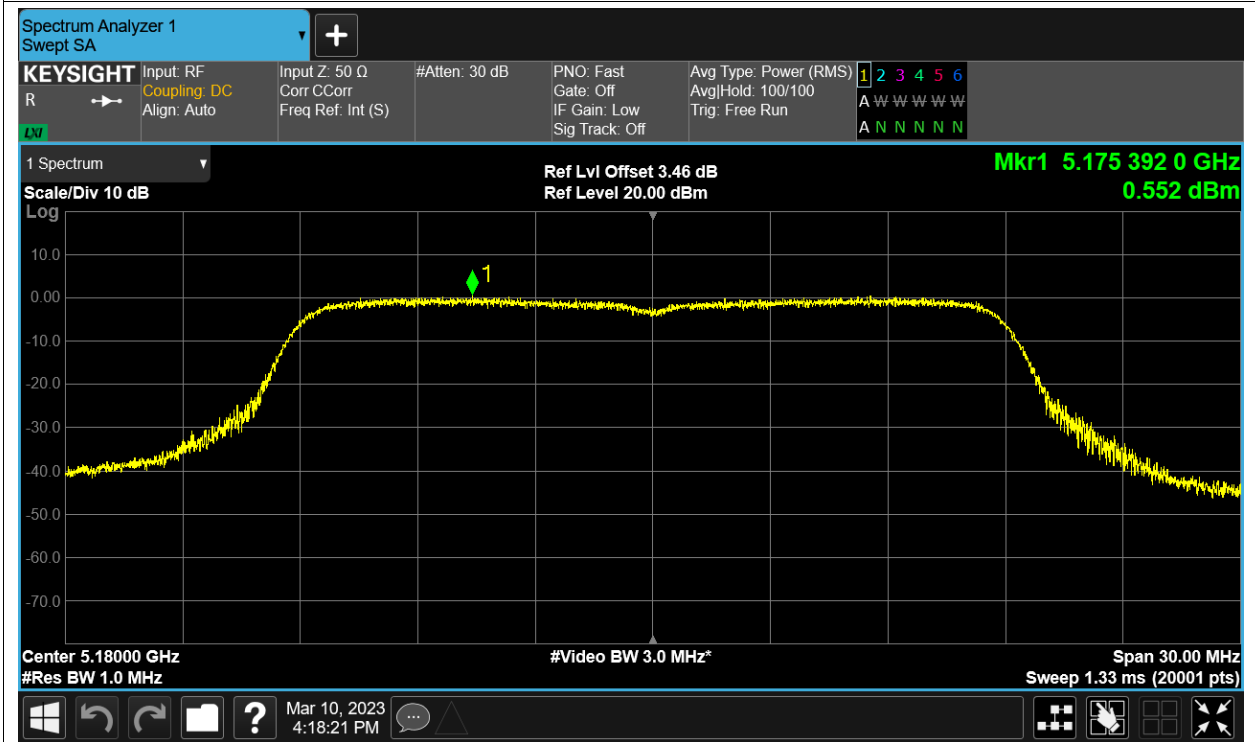
PSD NVNT a 5200MHz Ant1



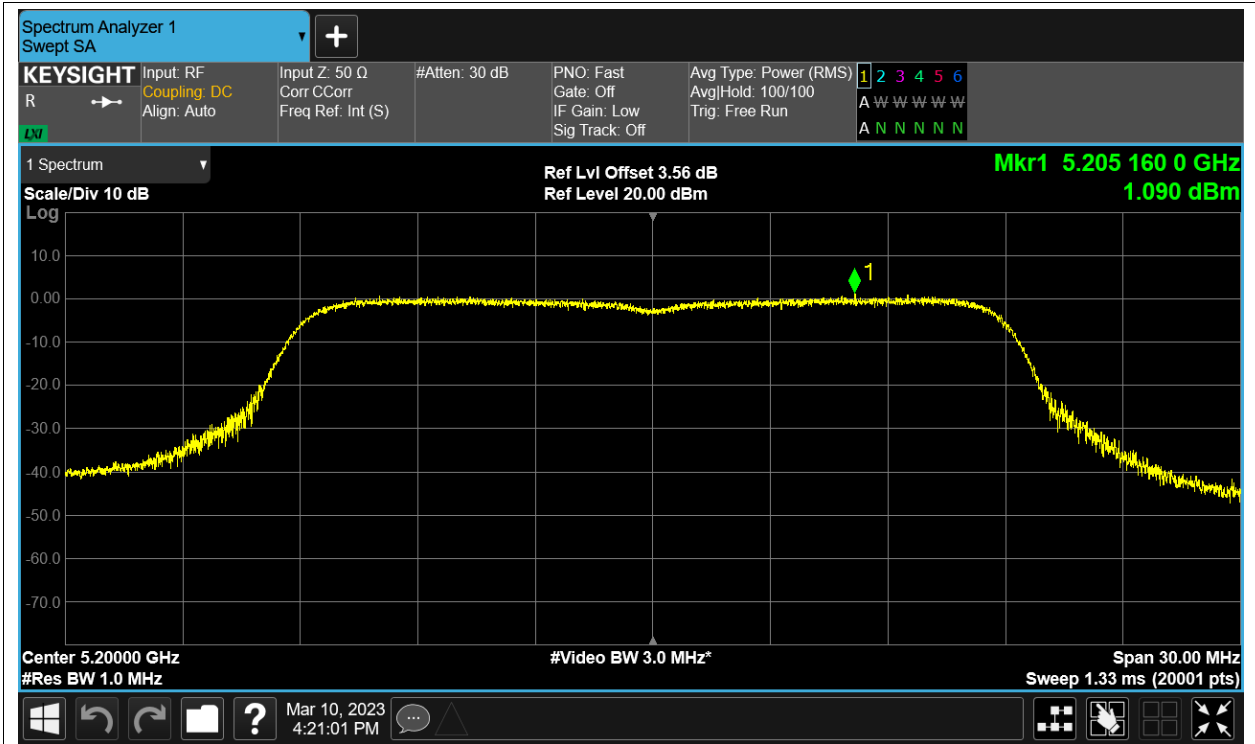
PSD NVNT a 5240MHz Ant1



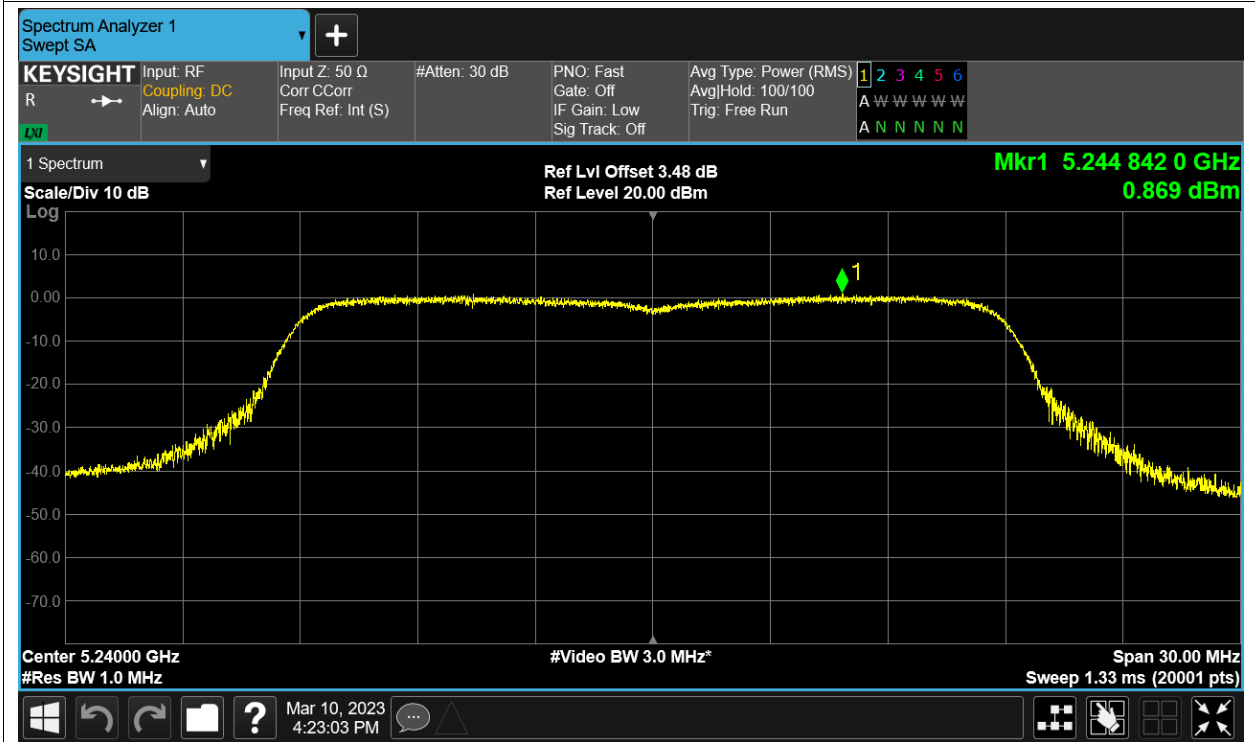
PSD NVNT ac20 5180MHz Ant1



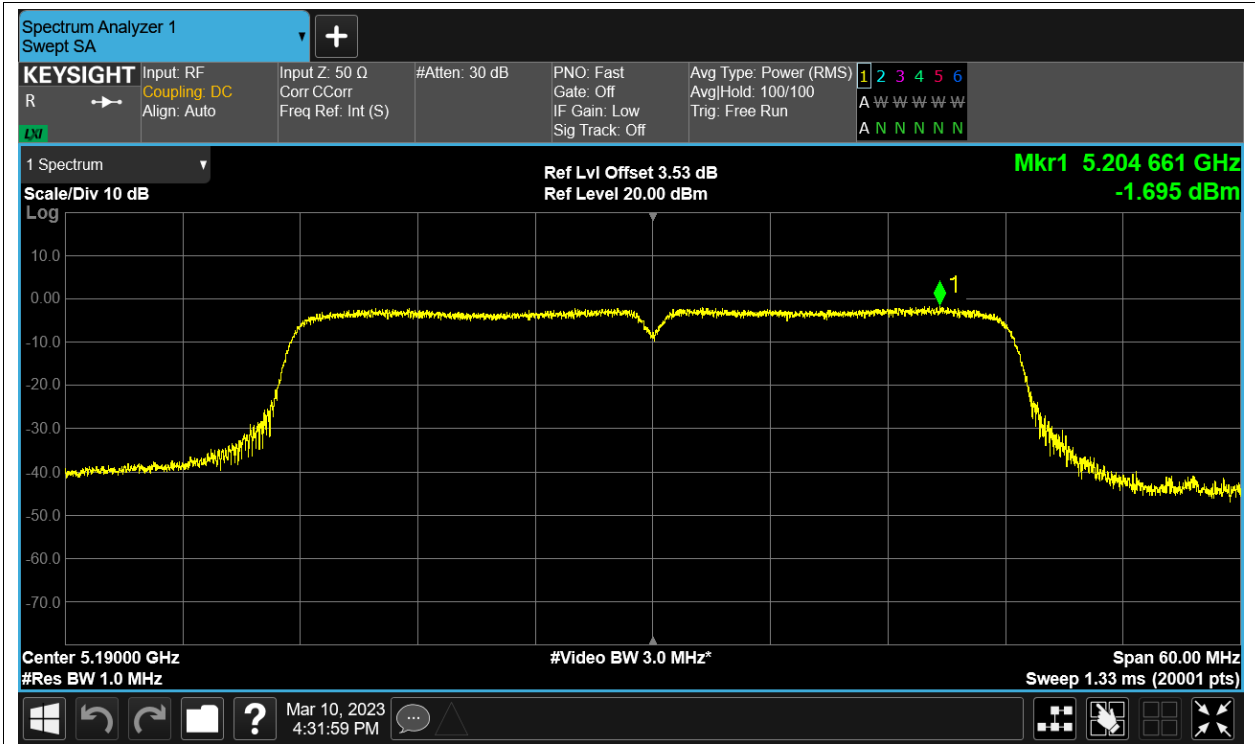
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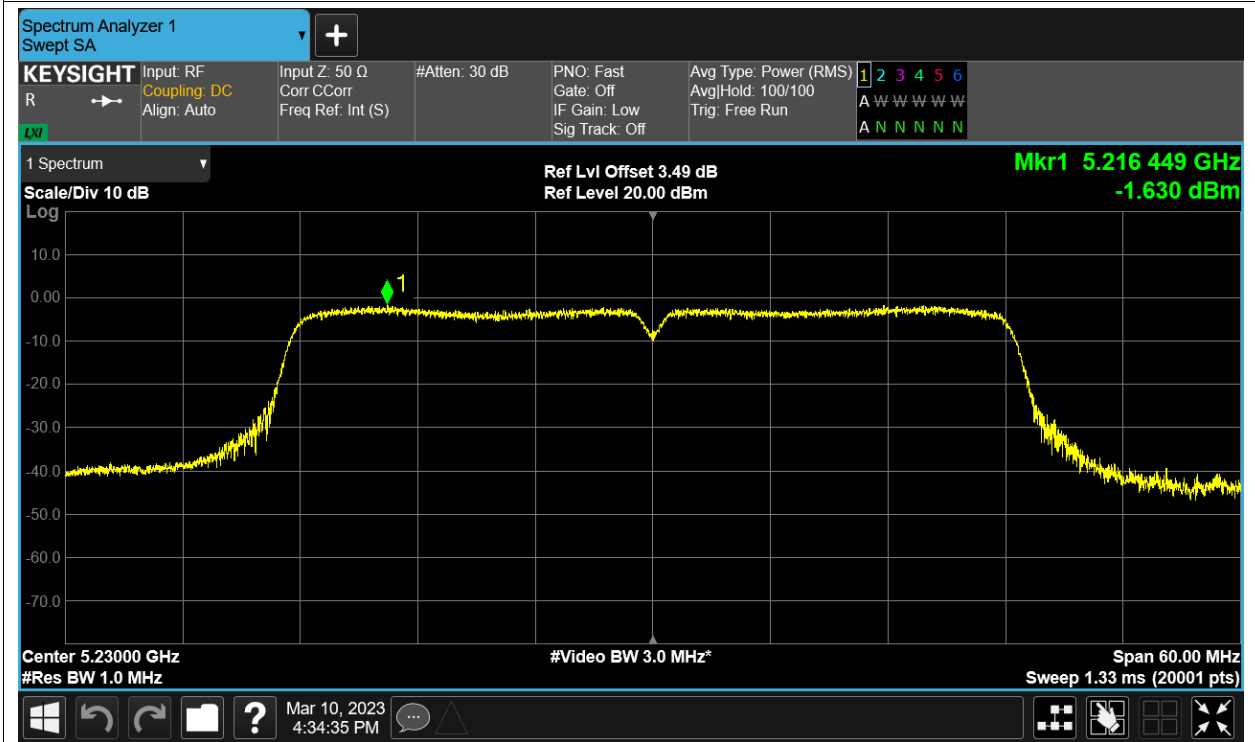
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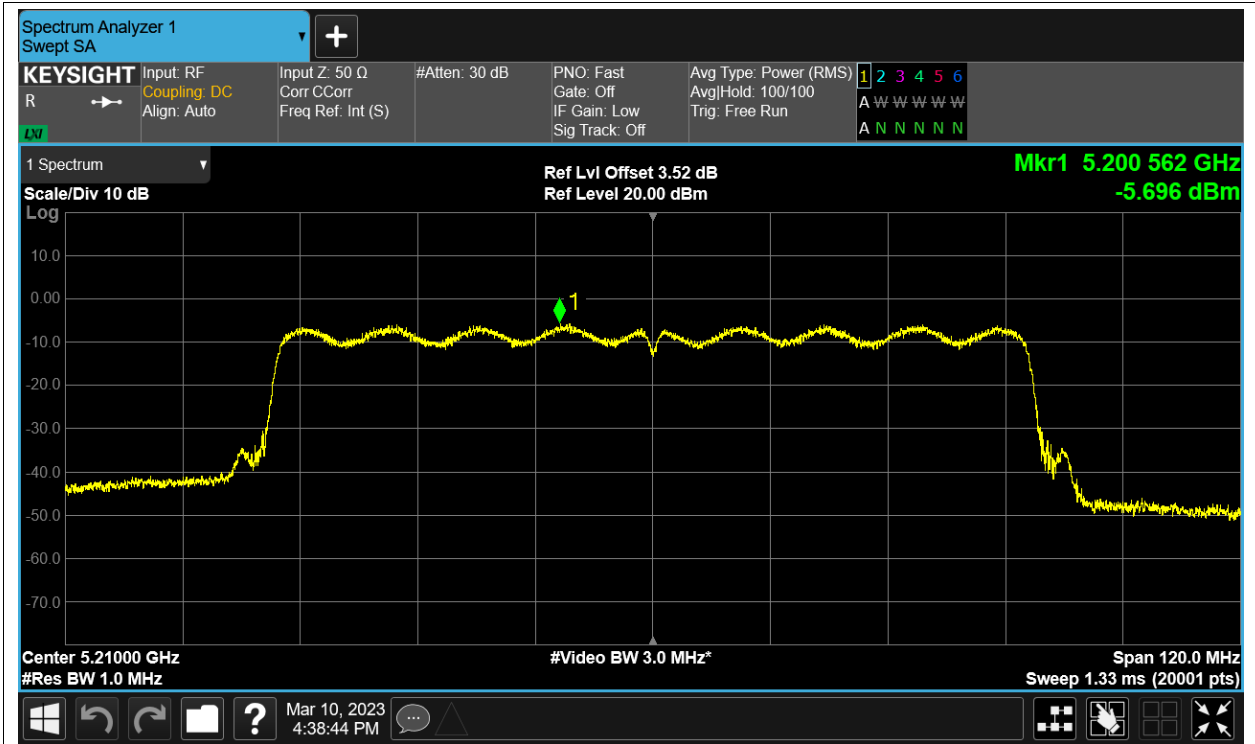
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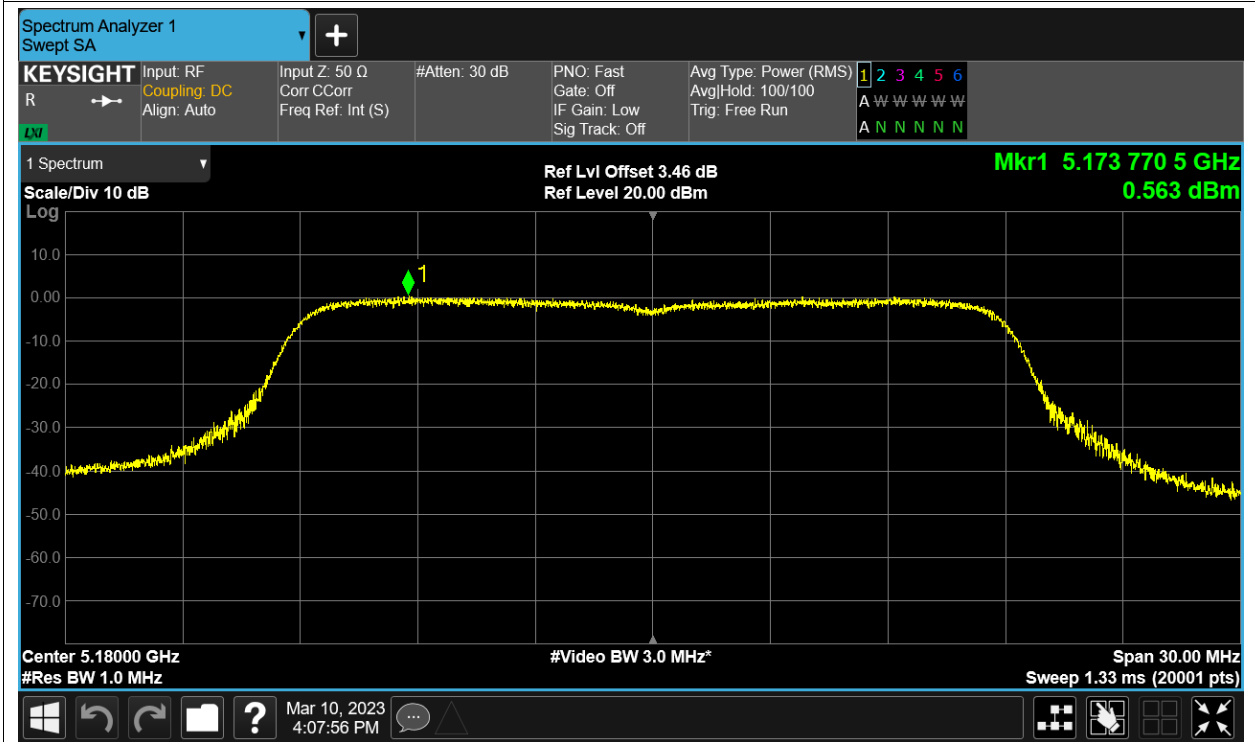
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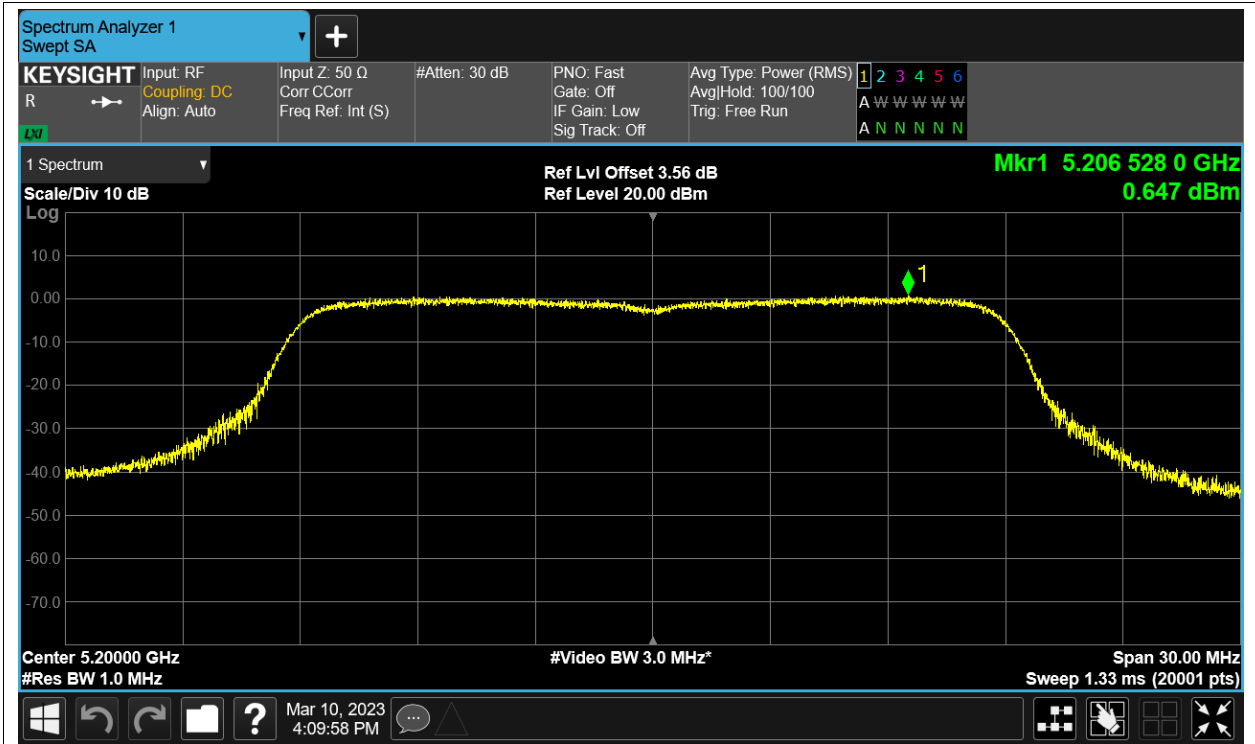
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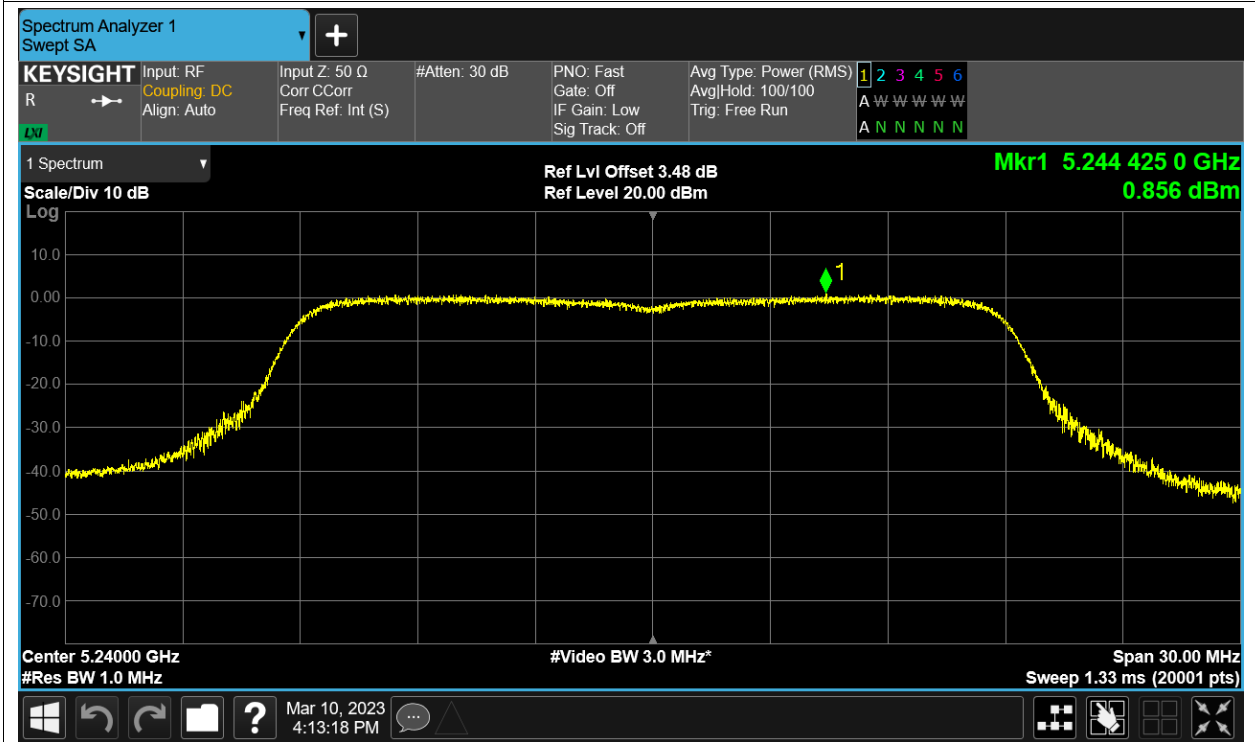
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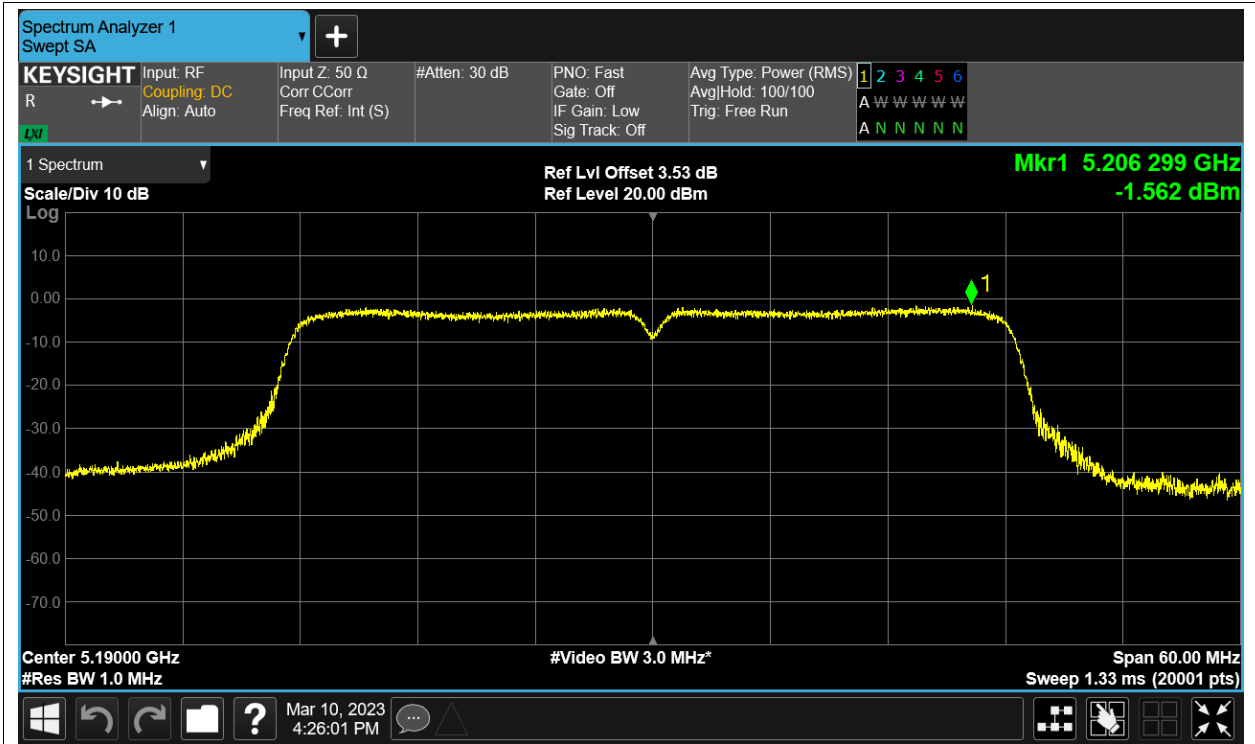
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PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

