

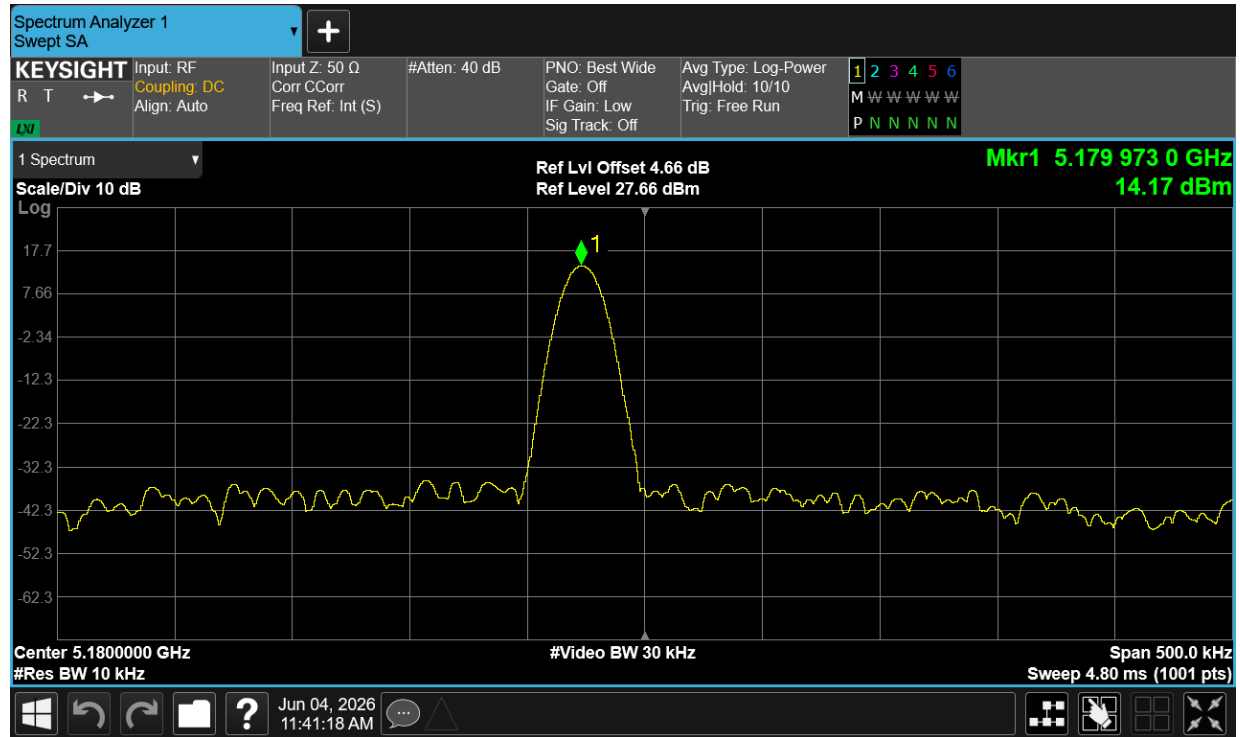
Test Data

Frequency Stability

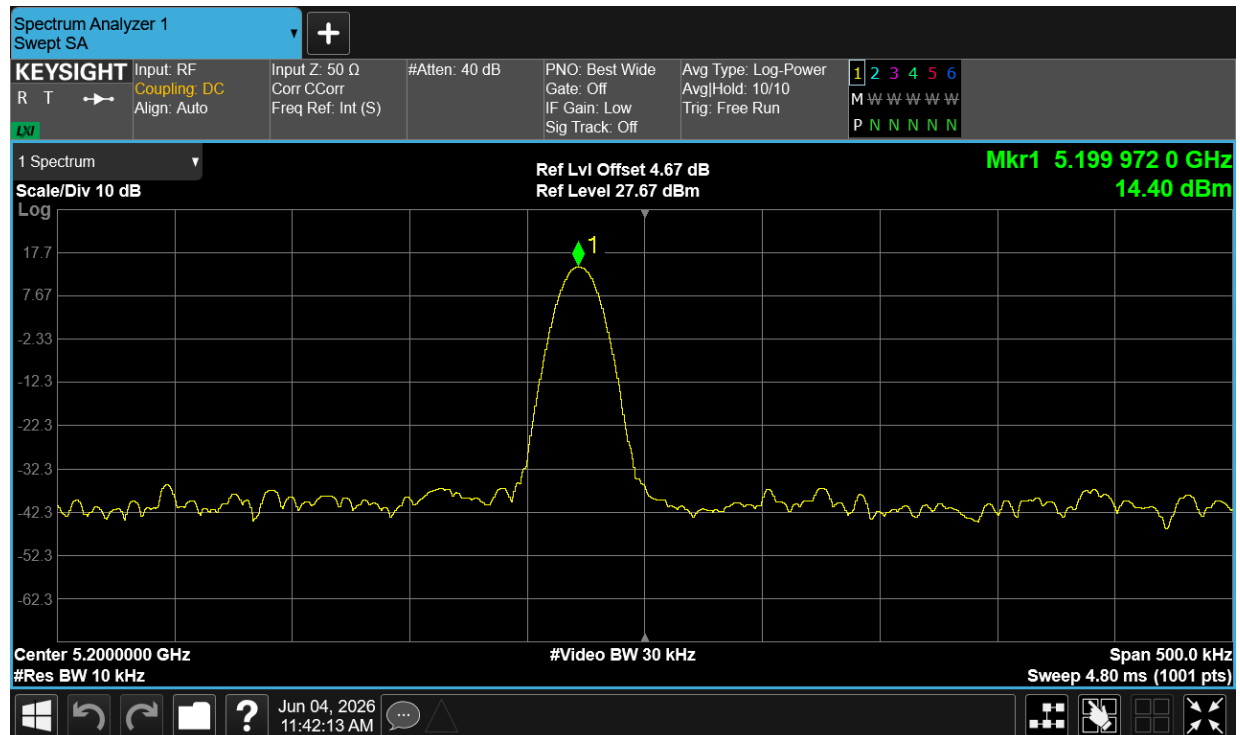
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	20M	5180	Ant1	5179.973	-5.21	25	Pass
HVNT	20M	5200	Ant1	5199.972	-5.38	25	Pass
HVNT	20M	5240	Ant1	5239.972	-5.34	25	Pass
LVNT	20M	5180	Ant1	5179.973	-5.21	25	Pass
LVNT	20M	5200	Ant1	5199.972	-5.38	25	Pass
LVNT	20M	5240	Ant1	5239.971	-5.53	25	Pass
NVHT	20M	5180	Ant1	5179.973	-5.21	25	Pass
NVHT	20M	5200	Ant1	5199.972	-5.38	25	Pass
NVHT	20M	5240	Ant1	5239.971	-5.53	25	Pass
NVLT	20M	5180	Ant1	5179.9735	-5.12	25	Pass
NVLT	20M	5200	Ant1	5199.972	-5.38	25	Pass
NVLT	20M	5240	Ant1	5239.9715	-5.44	25	Pass
NVNT	20M	5180	Ant1	5179.974	-5.02	25	Pass
NVNT	20M	5200	Ant1	5199.9725	-5.29	25	Pass
NVNT	20M	5240	Ant1	5239.9715	-5.44	25	Pass
HVNT	40M	5190	Ant1	5189.9715	-5.49	25	Pass
HVNT	40M	5230	Ant1	5229.971	-5.54	25	Pass
LVNT	40M	5190	Ant1	5189.9715	-5.49	25	Pass
LVNT	40M	5230	Ant1	5229.971	-5.54	25	Pass
NVHT	40M	5190	Ant1	5189.9715	-5.49	25	Pass
NVHT	40M	5230	Ant1	5229.971	-5.54	25	Pass
NVLT	40M	5190	Ant1	5189.9715	-5.49	25	Pass
NVLT	40M	5230	Ant1	5229.971	-5.54	25	Pass
NVNT	40M	5190	Ant1	5189.972	-5.39	25	Pass
NVNT	40M	5230	Ant1	5229.9715	-5.45	25	Pass
HVNT	80M	5210	Ant1	5209.971	-5.57	25	Pass
LVNT	80M	5210	Ant1	5209.971	-5.57	25	Pass
NVHT	80M	5210	Ant1	5209.971	-5.57	25	Pass
NVLT	80M	5210	Ant1	5209.971	-5.57	25	Pass
NVNT	80M	5210	Ant1	5209.971	-5.57	25	Pass

Test Graphs

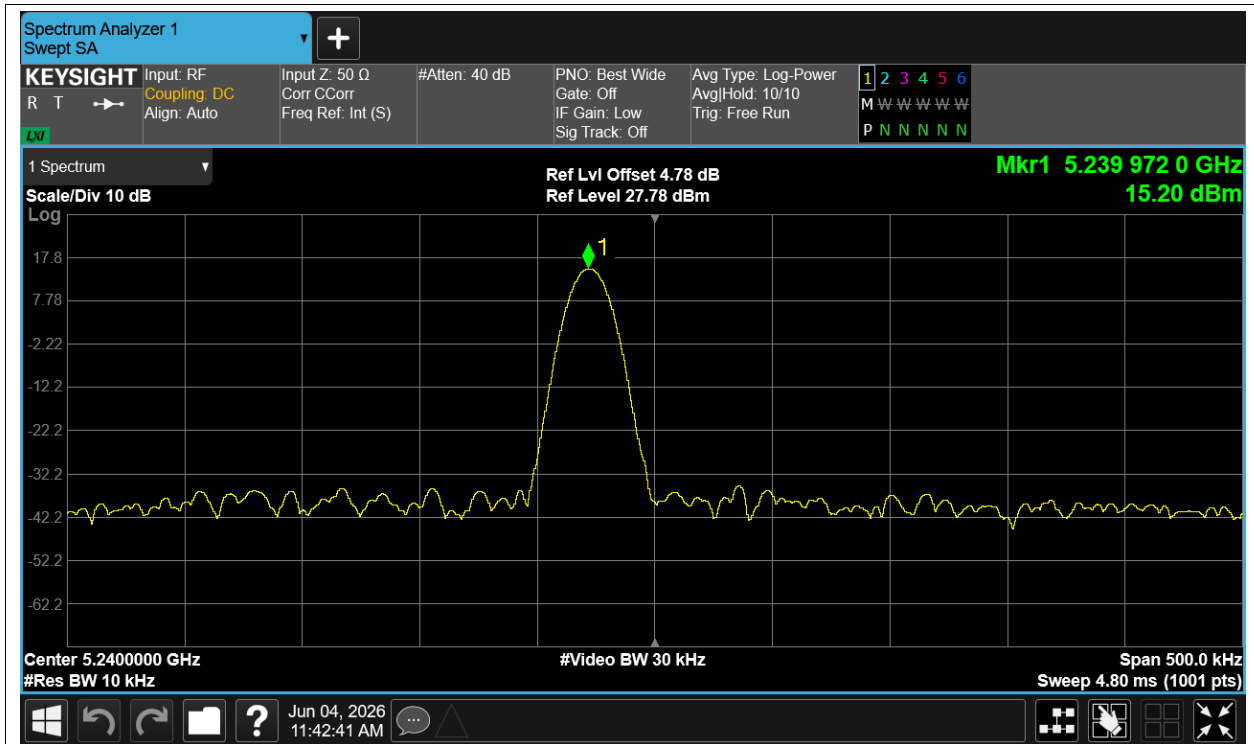
Freq. Stability HVNT 20M 5180MHz Ant1



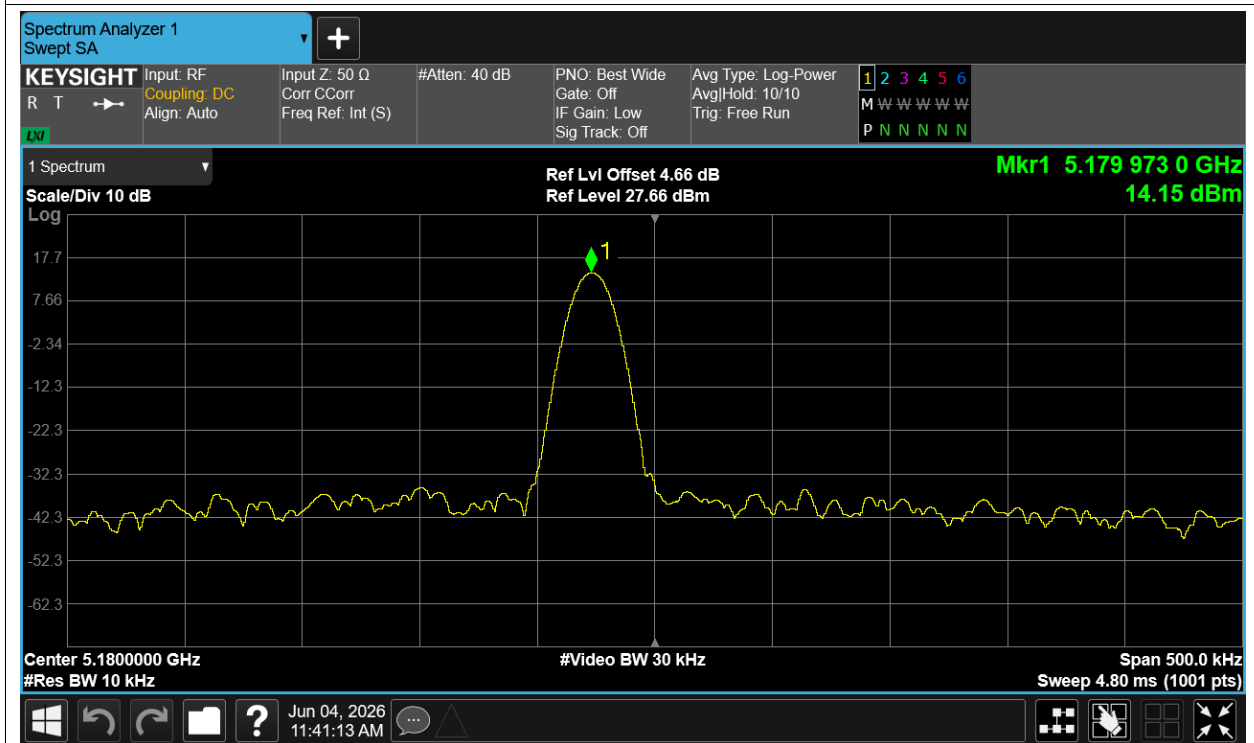
Freq. Stability HVNT 20M 5200MHz Ant1



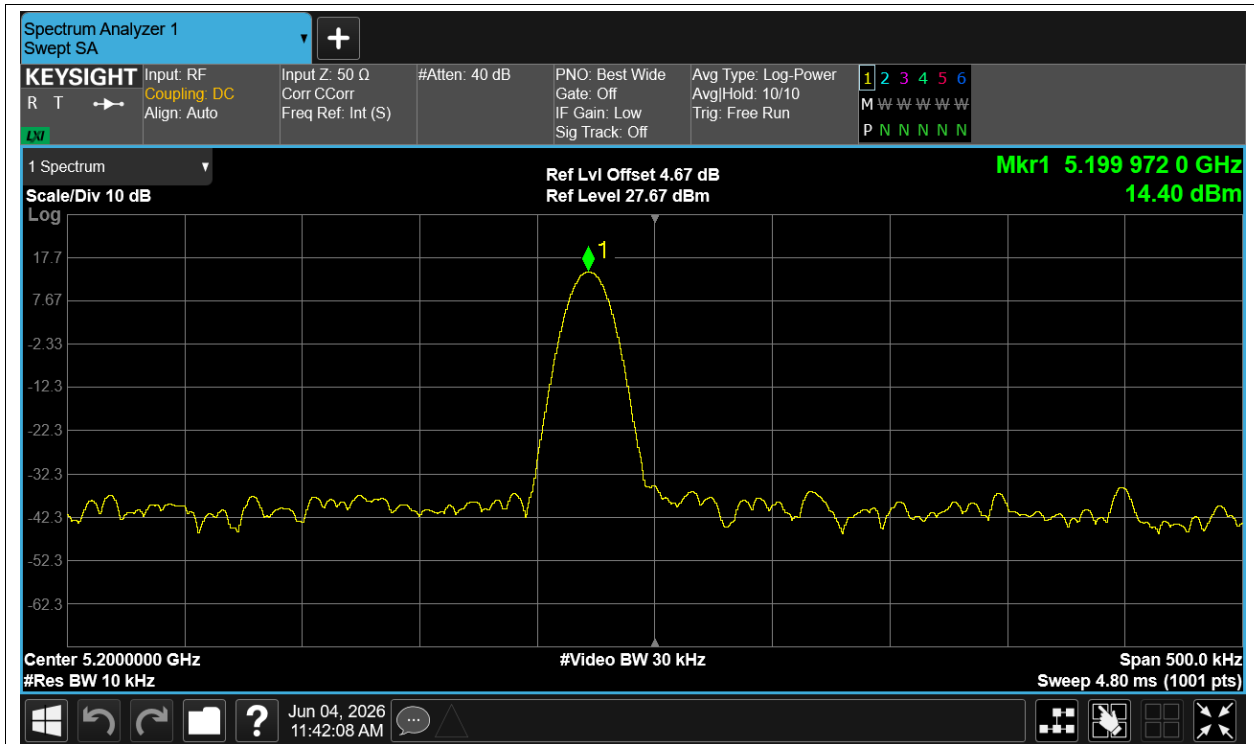
Freq. Stability HVNT 20M 5240MHz Ant1



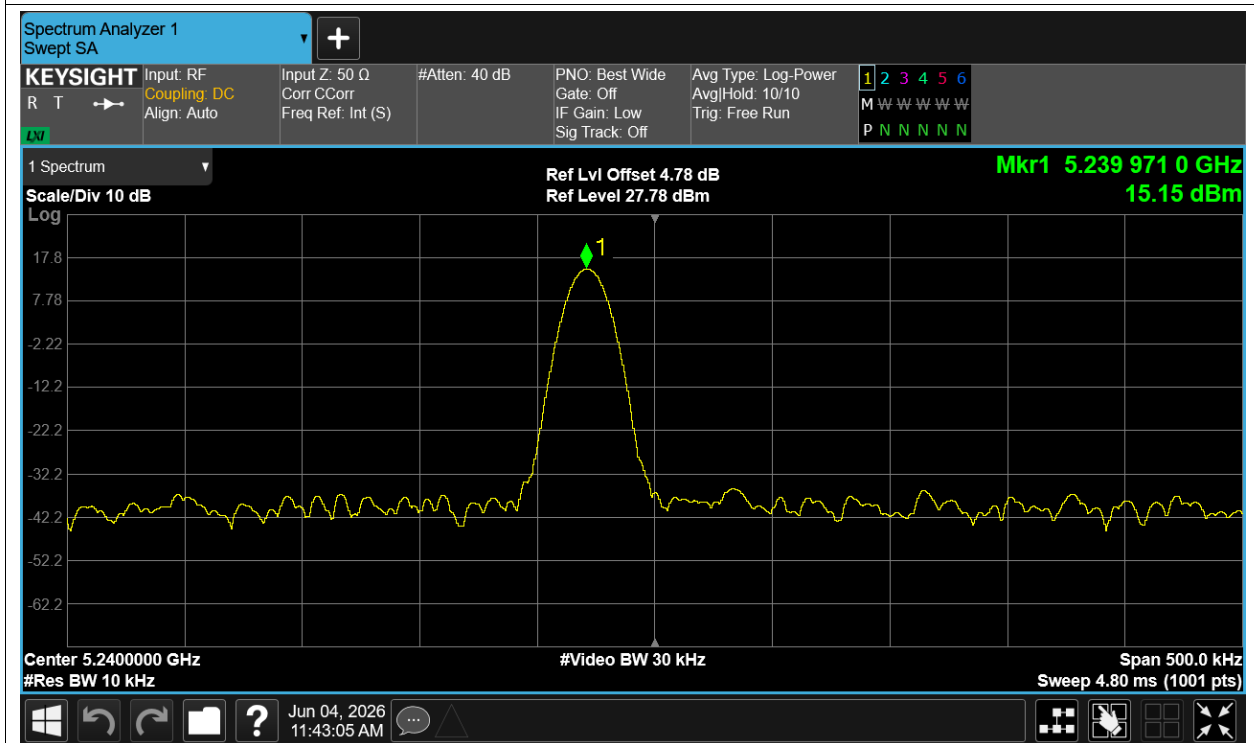
Freq. Stability LVNT 20M 5180MHz Ant1



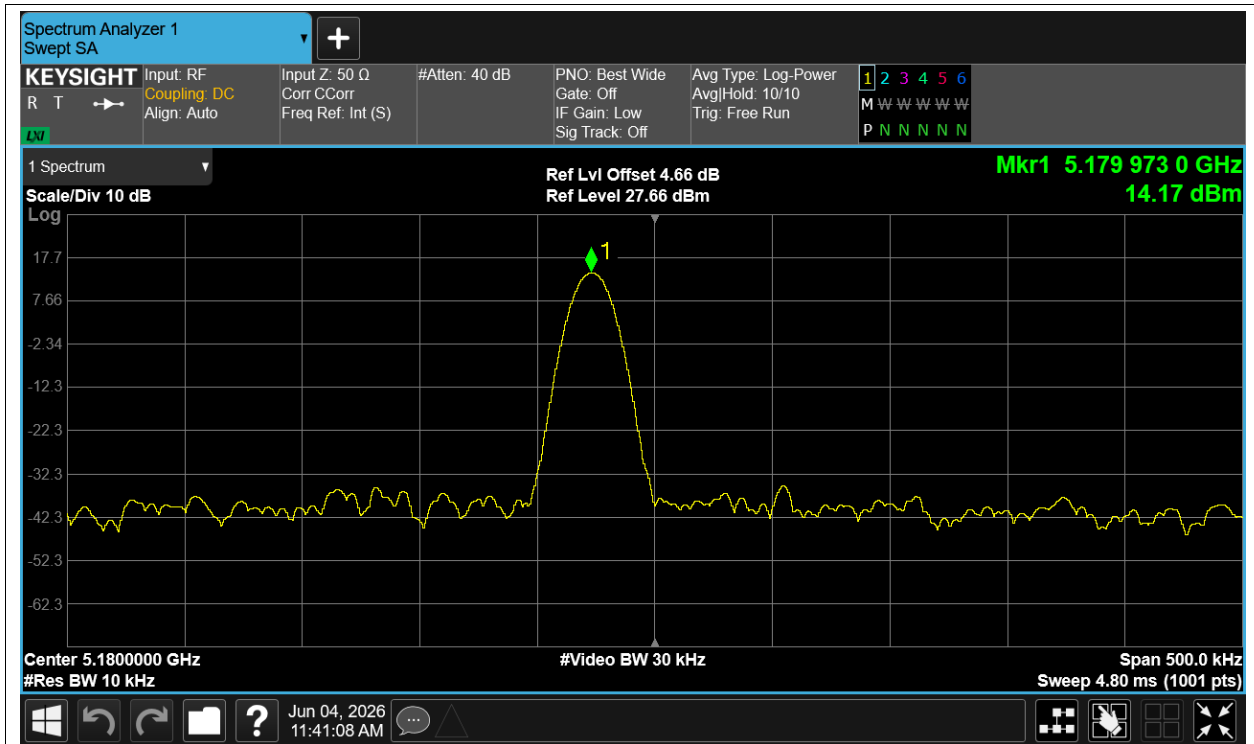
Freq. Stability LVNT 20M 5200MHz Ant1



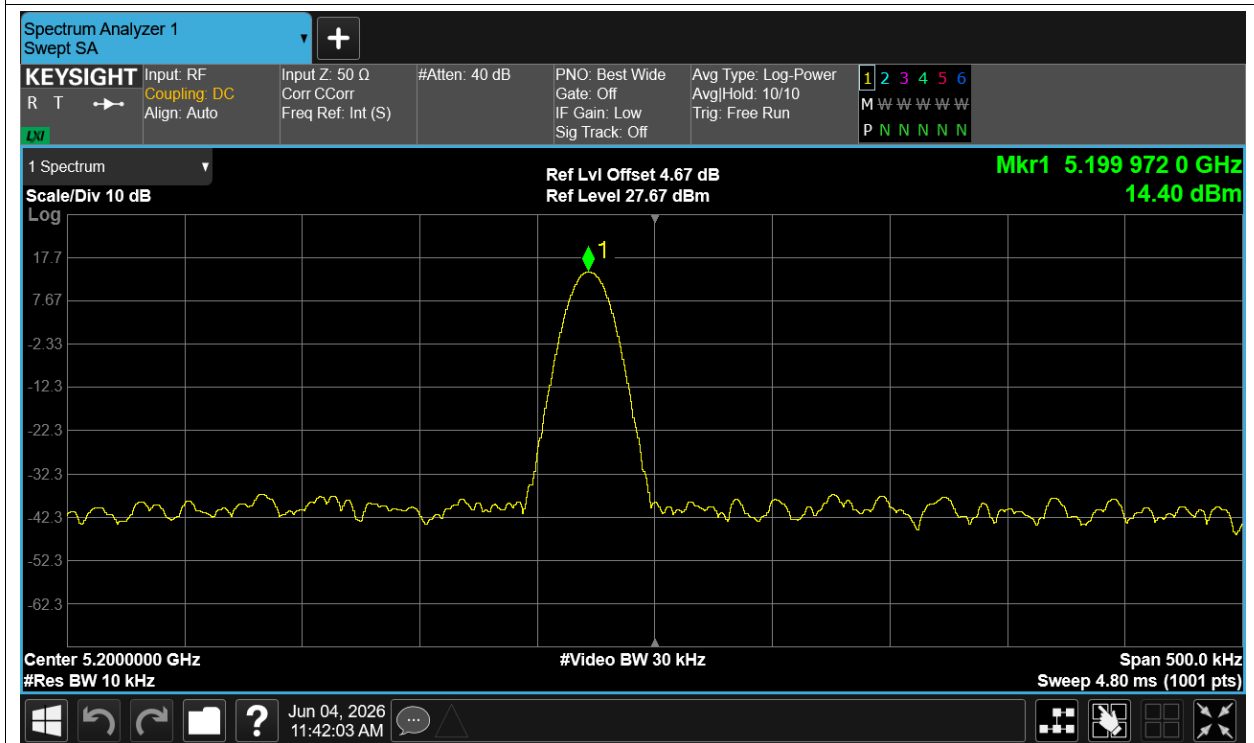
Freq. Stability LVNT 20M 5240MHz Ant1



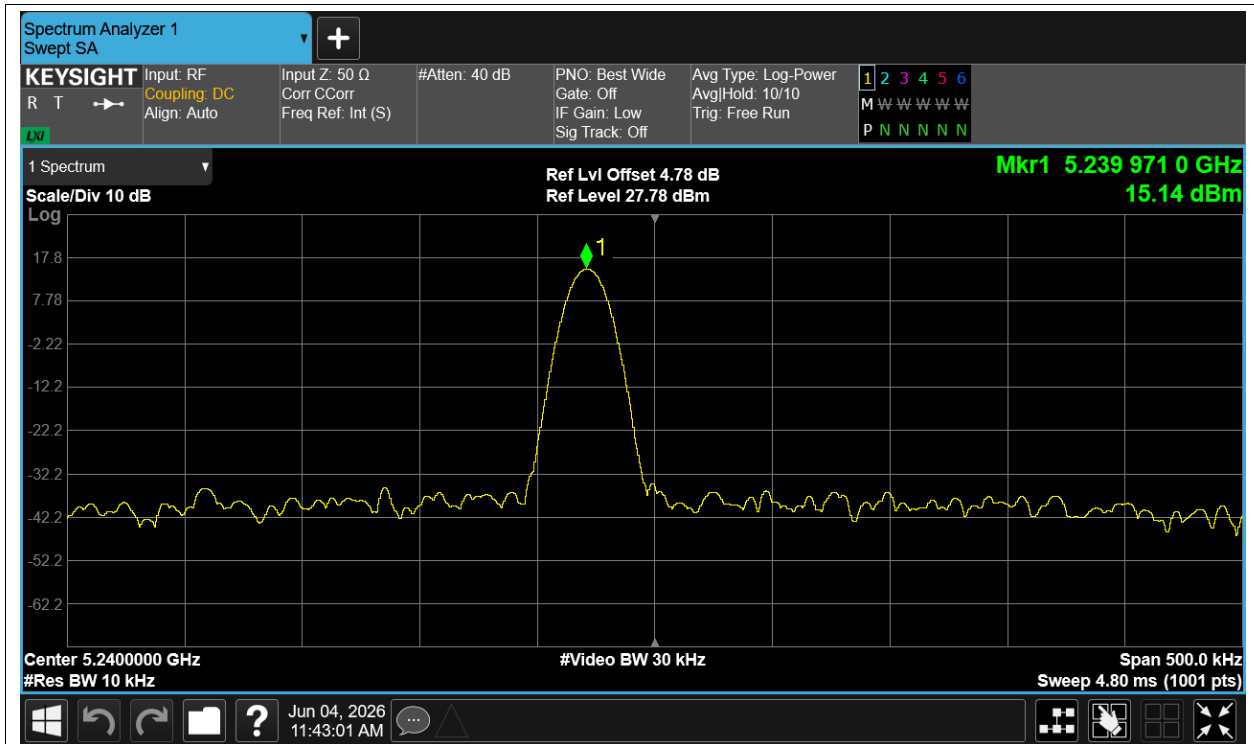
Freq. Stability NVHT 20M 5180MHz Ant1



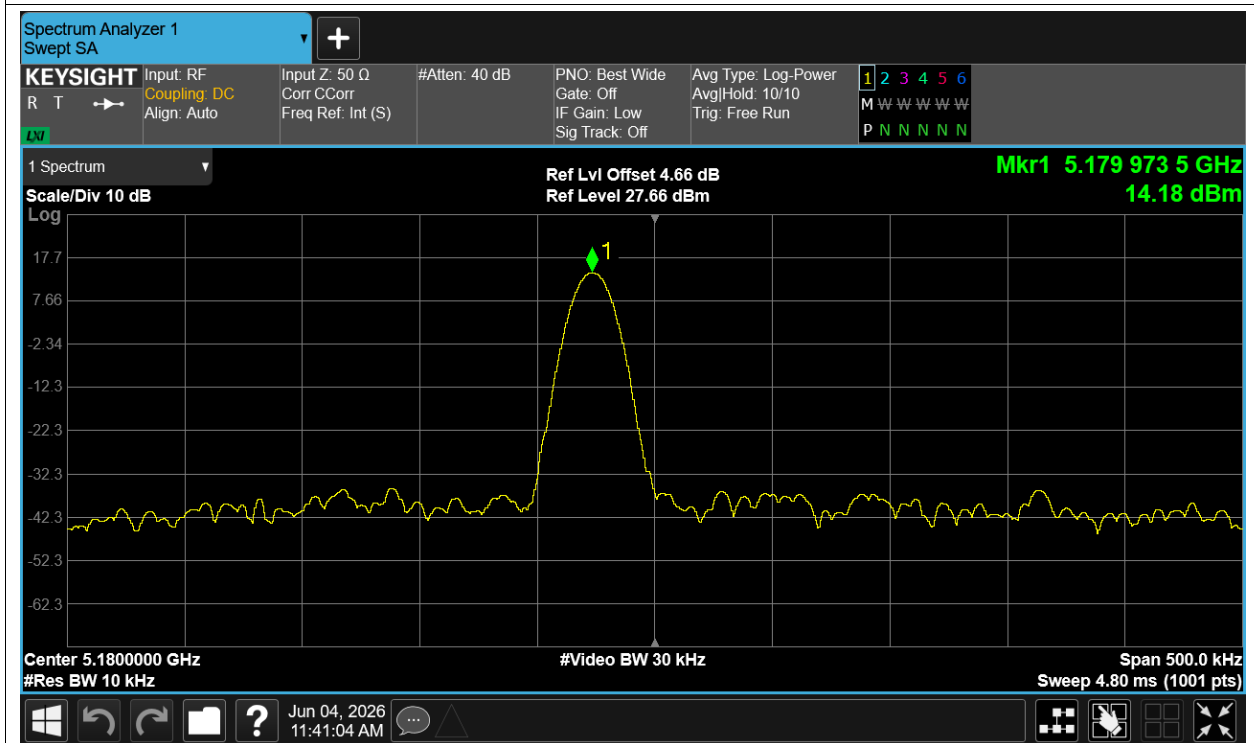
Freq. Stability NVHT 20M 5200MHz Ant1



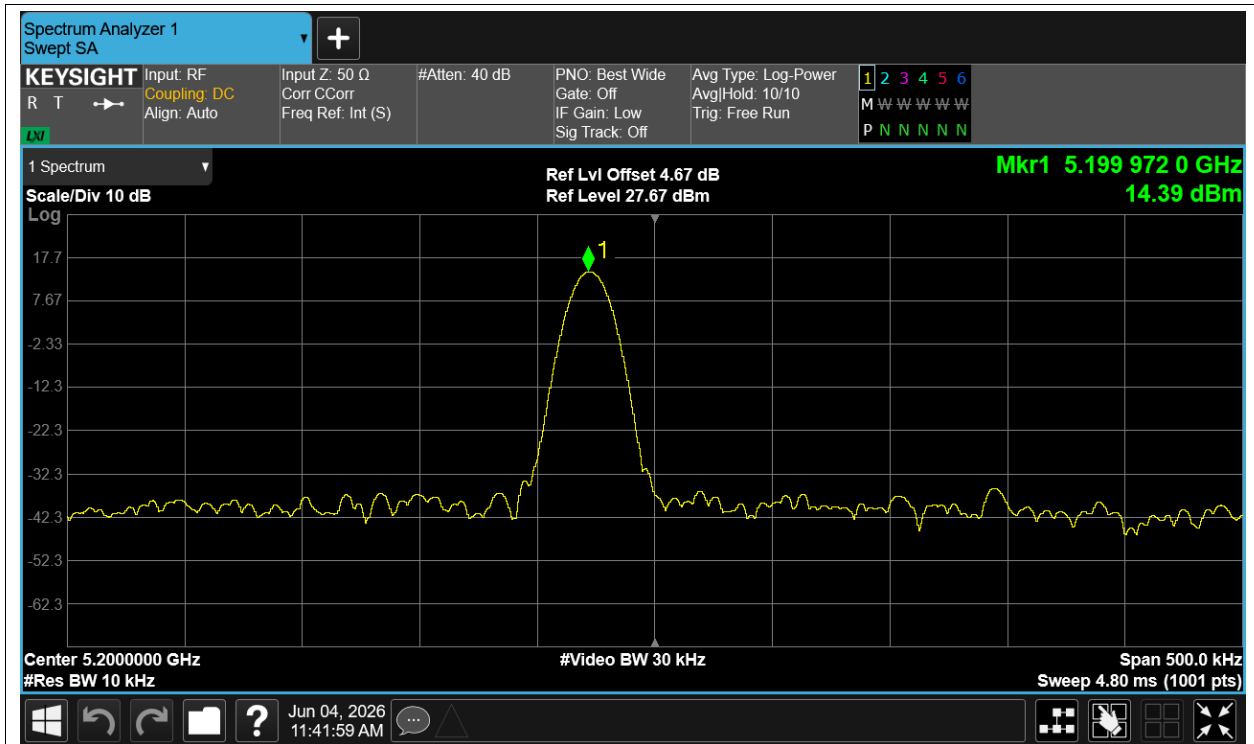
Freq. Stability NVHT 20M 5240MHz Ant1



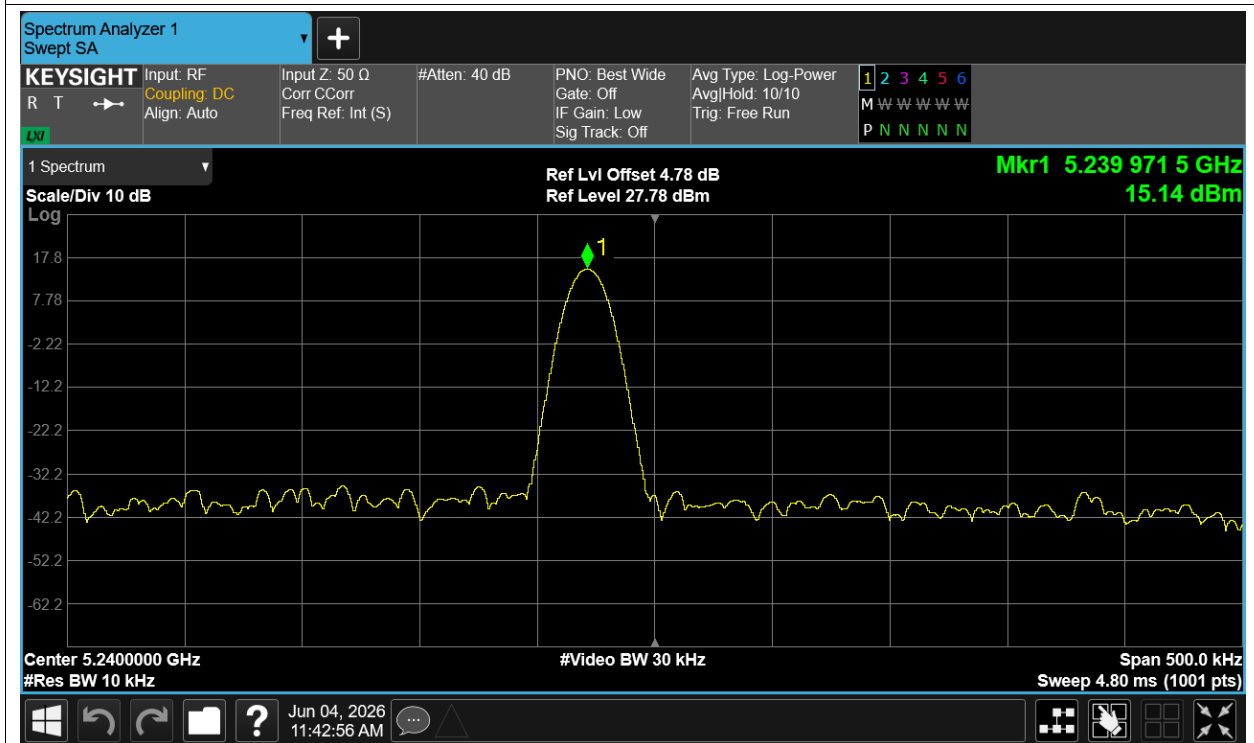
Freq. Stability NVLT 20M 5180MHz Ant1



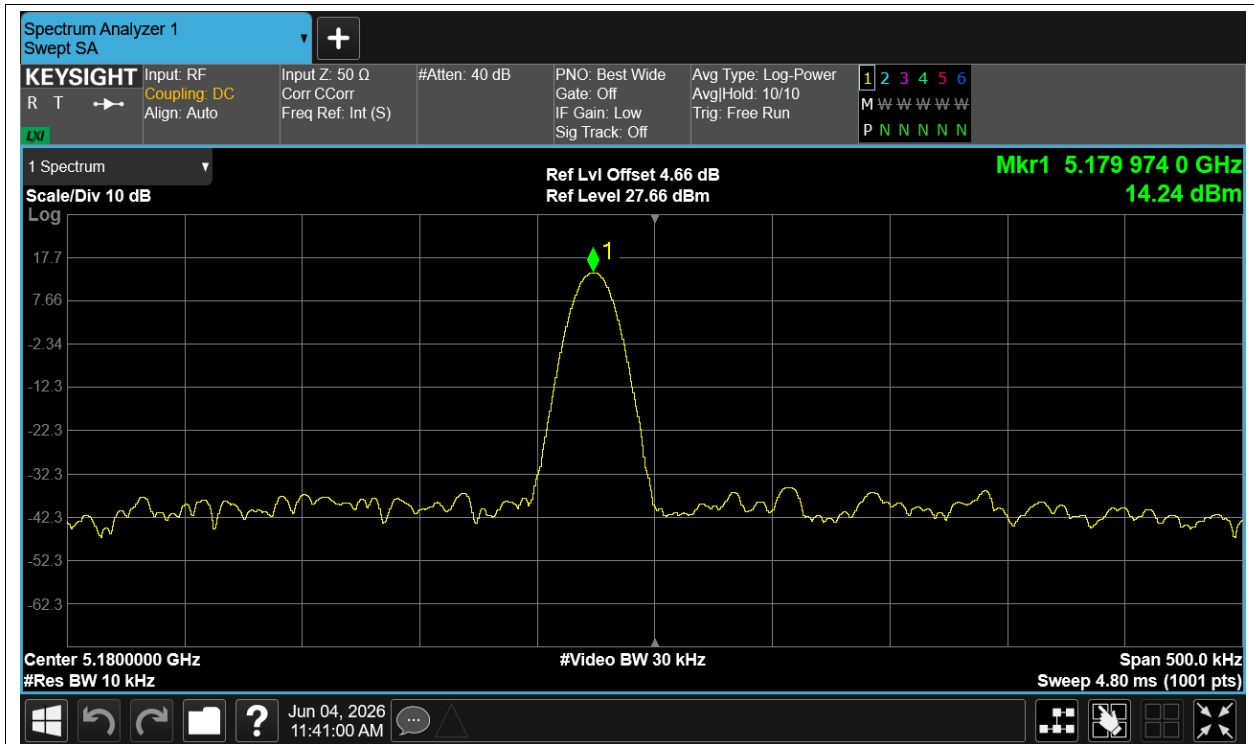
Freq. Stability NVLT 20M 5200MHz Ant1



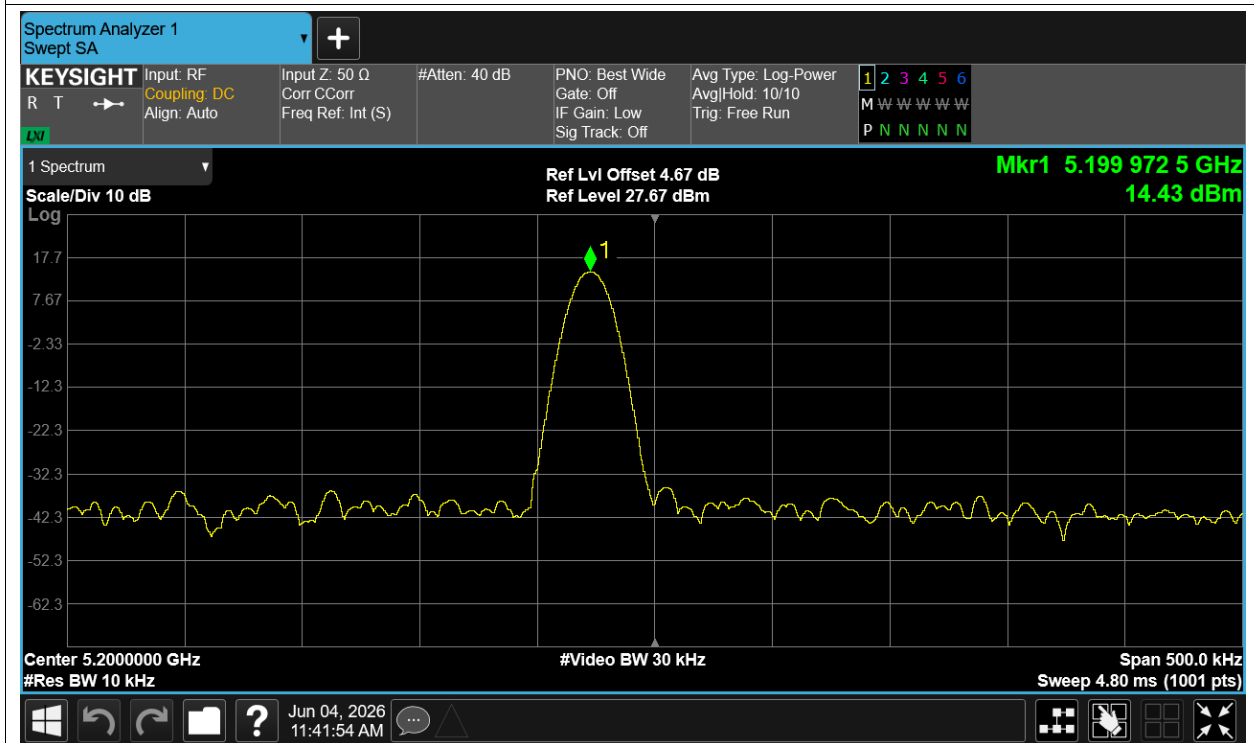
Freq. Stability NVLT 20M 5240MHz Ant1



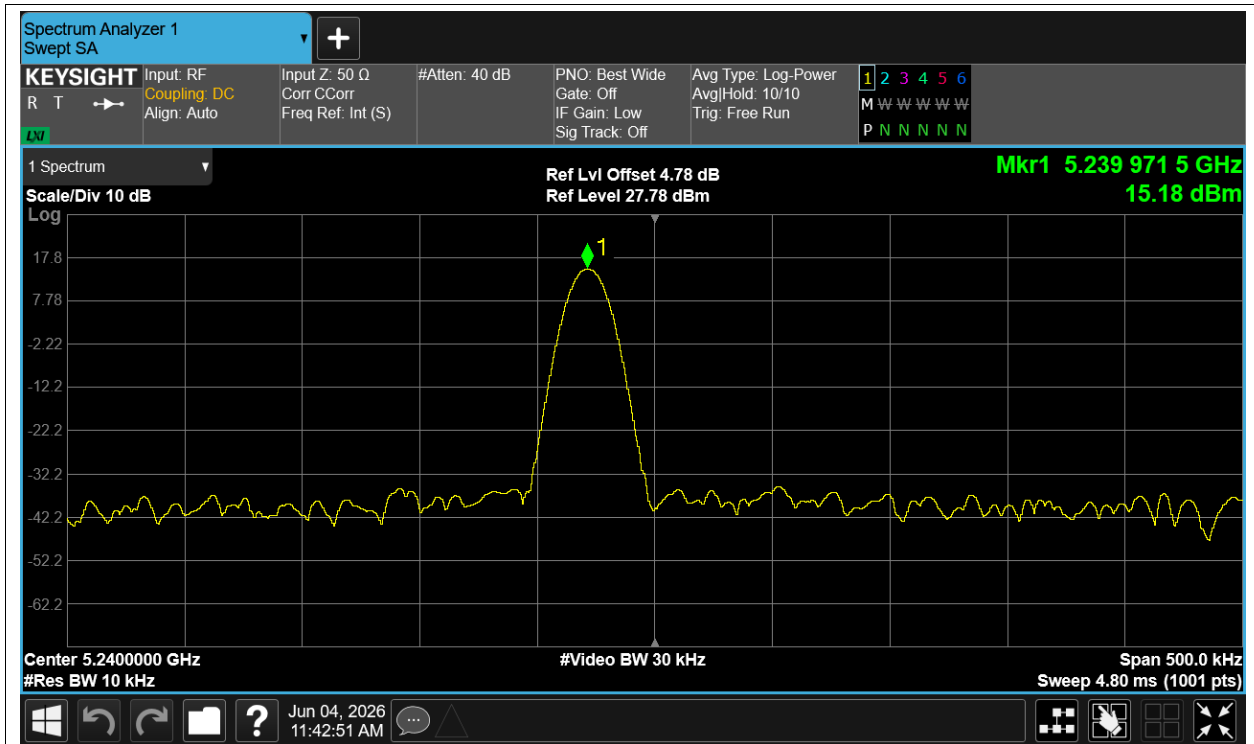
Freq. Stability NVNT 20M 5180MHz Ant1



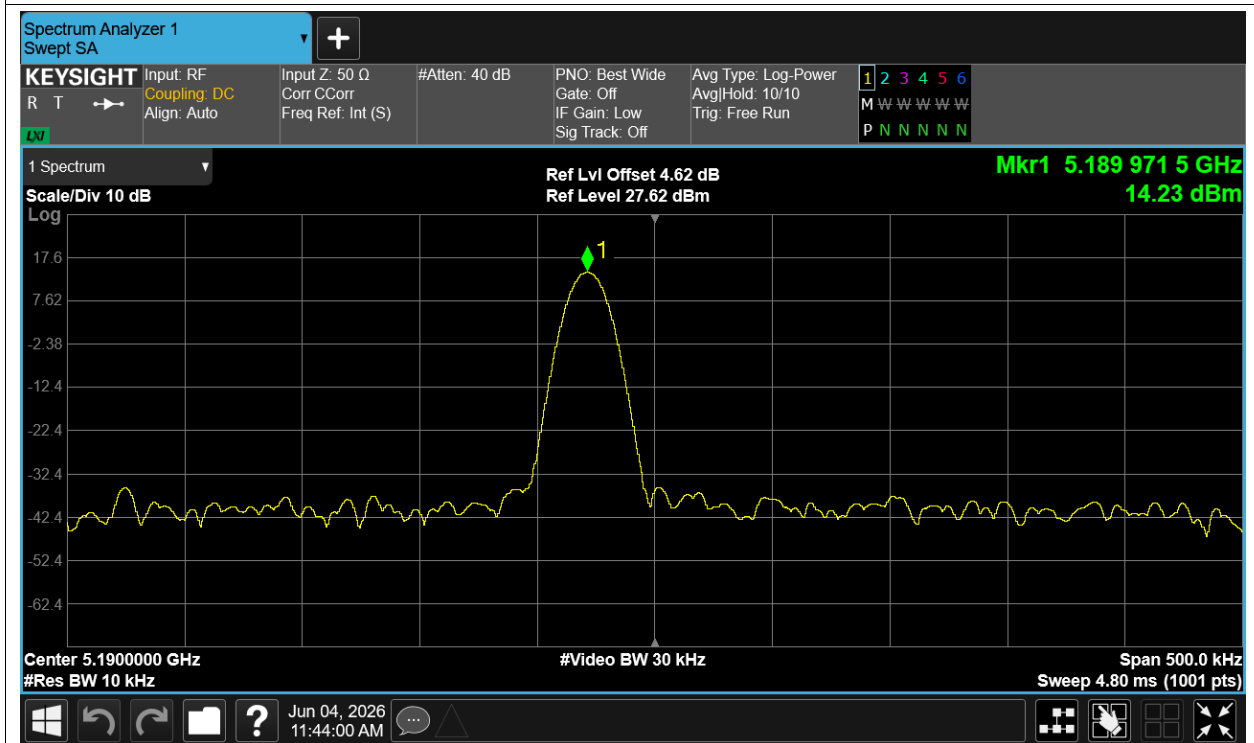
Freq. Stability NVNT 20M 5200MHz Ant1



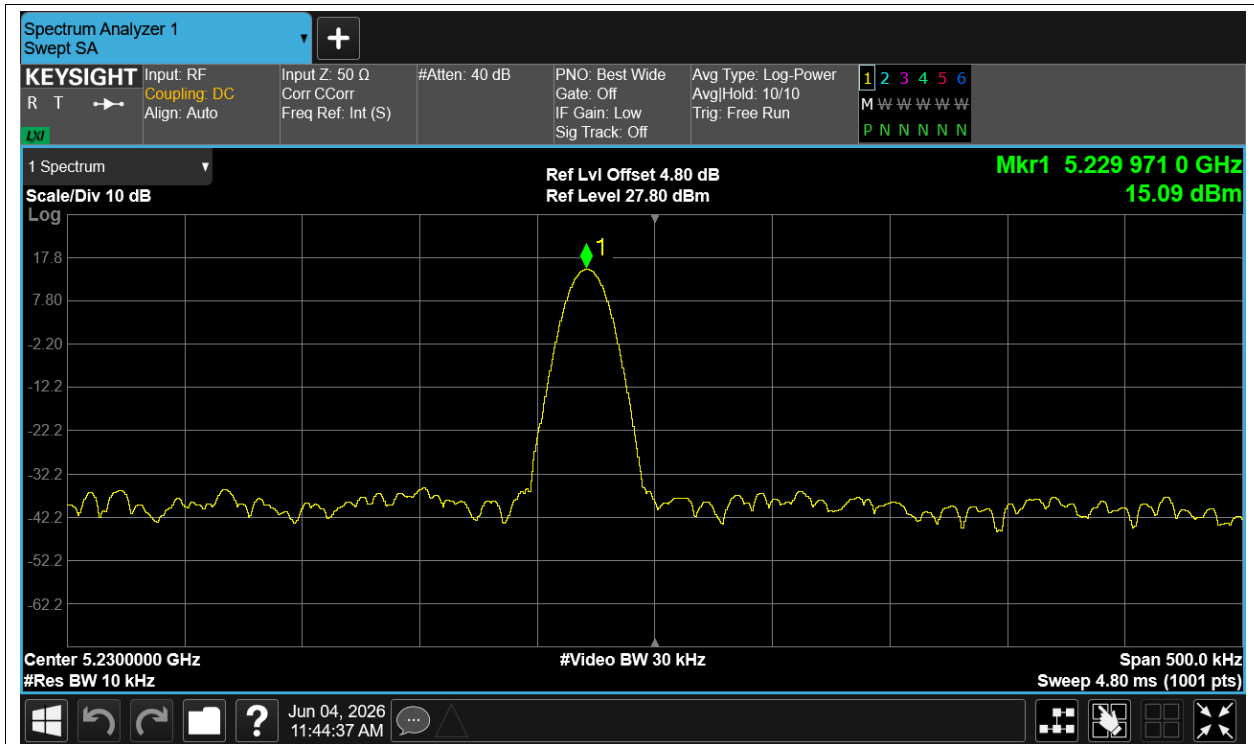
Freq. Stability NVNT 20M 5240MHz Ant1



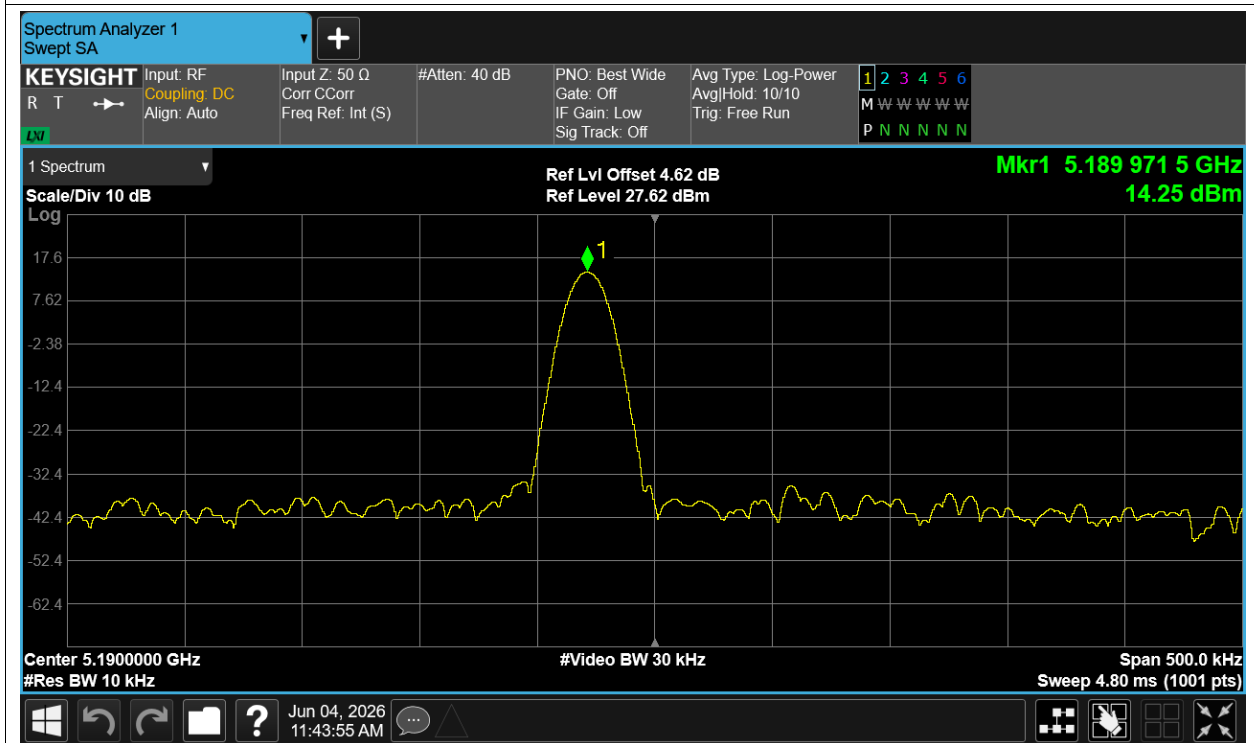
Freq. Stability HVNT 40M 5190MHz Ant1



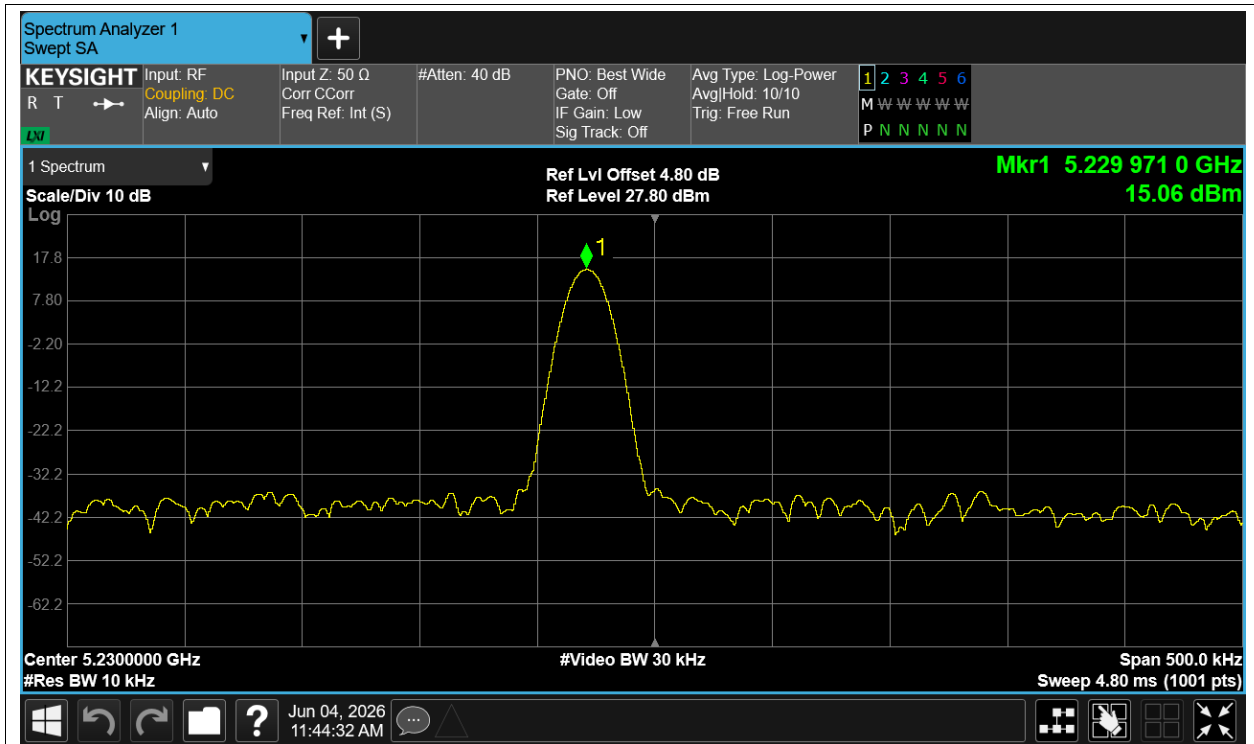
Freq. Stability HVNT 40M 5230MHz Ant1



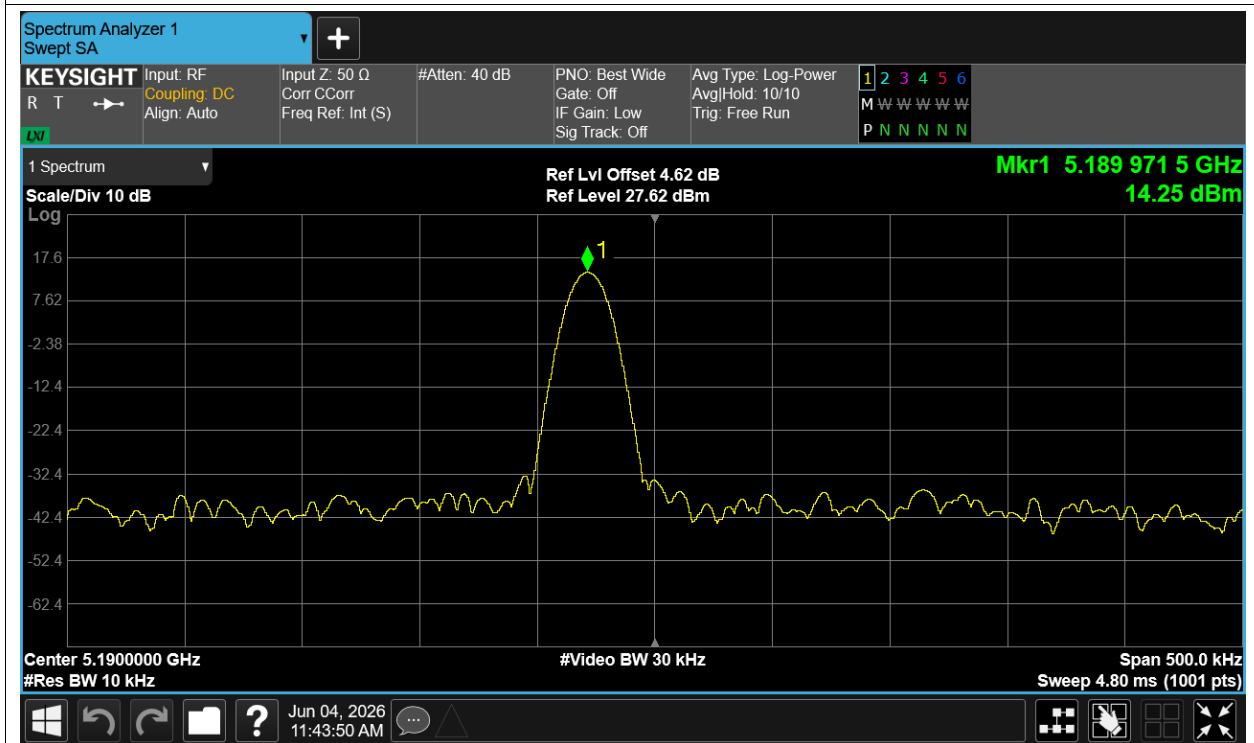
Freq. Stability LVNT 40M 5190MHz Ant1



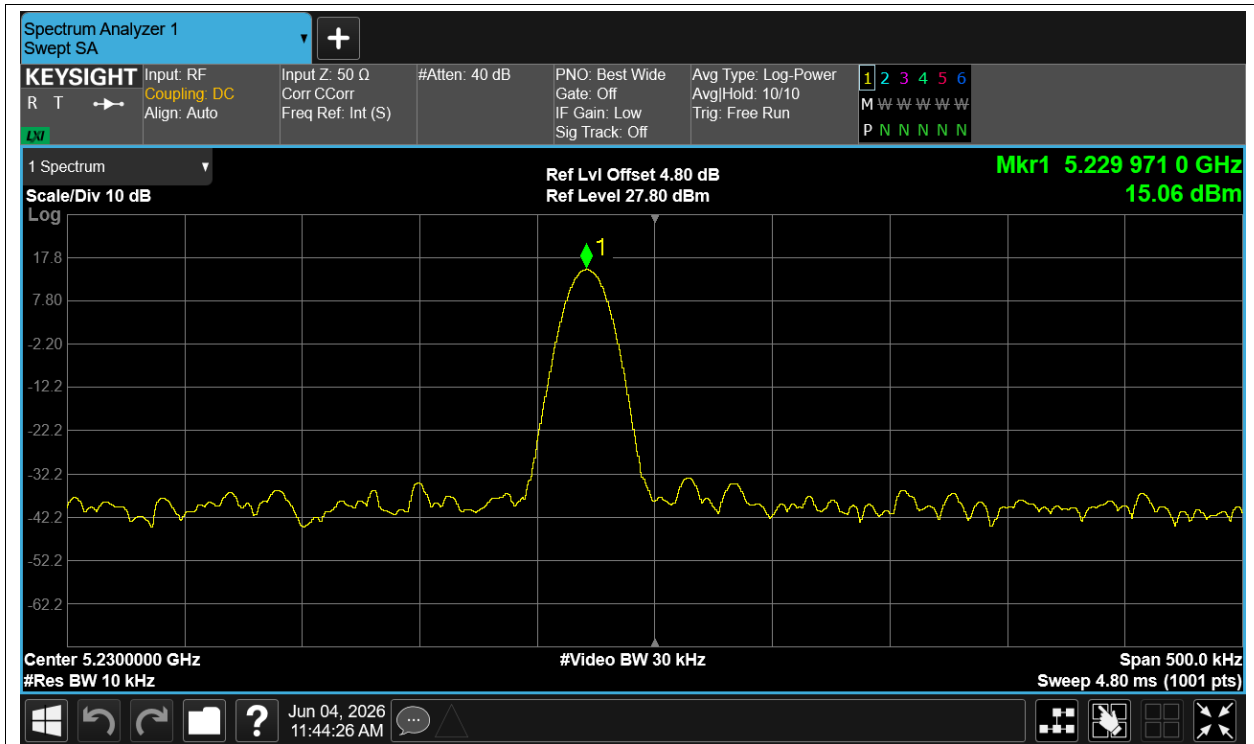
Freq. Stability LVNT 40M 5230MHz Ant1



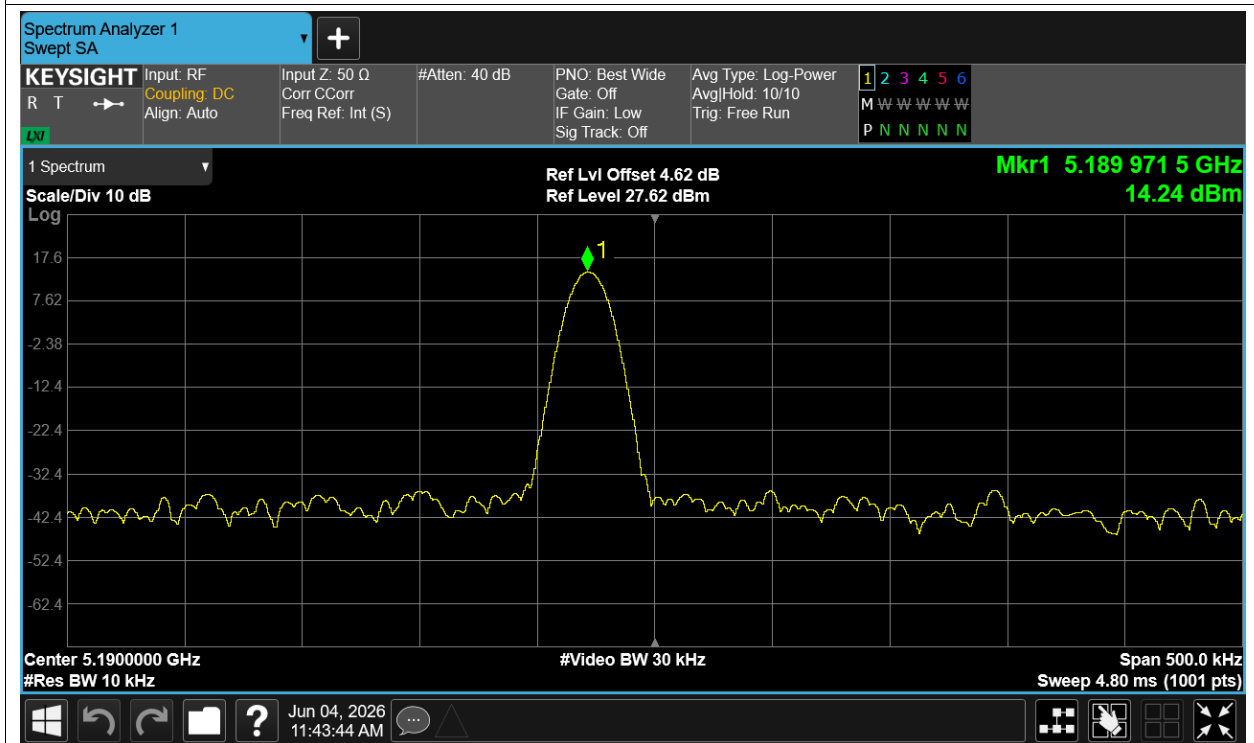
Freq. Stability NVHT 40M 5190MHz Ant1



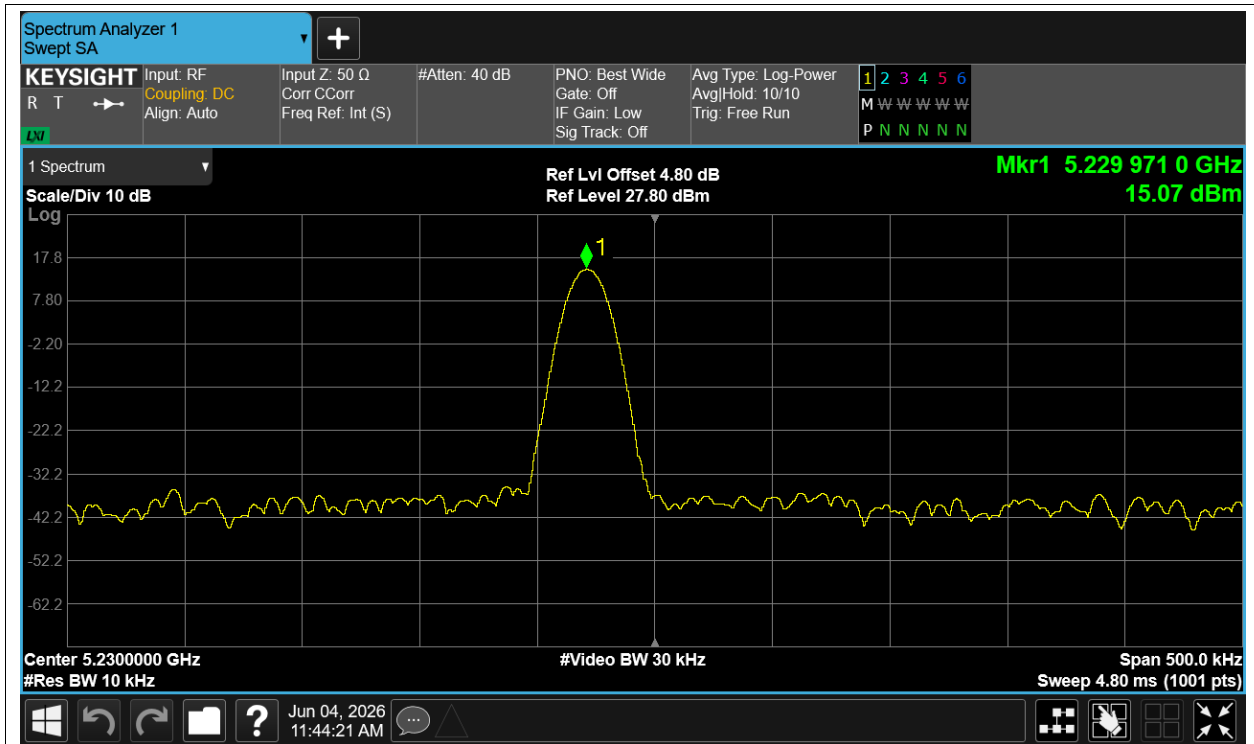
Freq. Stability NVHT 40M 5230MHz Ant1



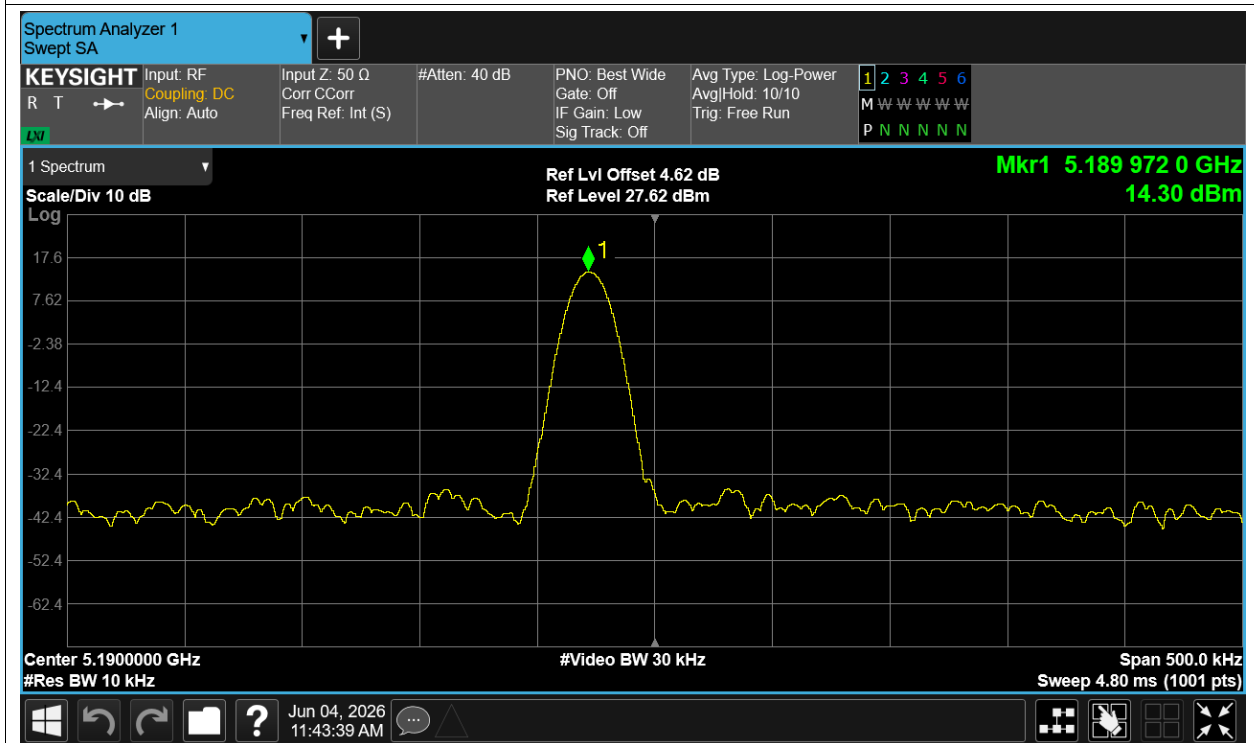
Freq. Stability NVLT 40M 5190MHz Ant1



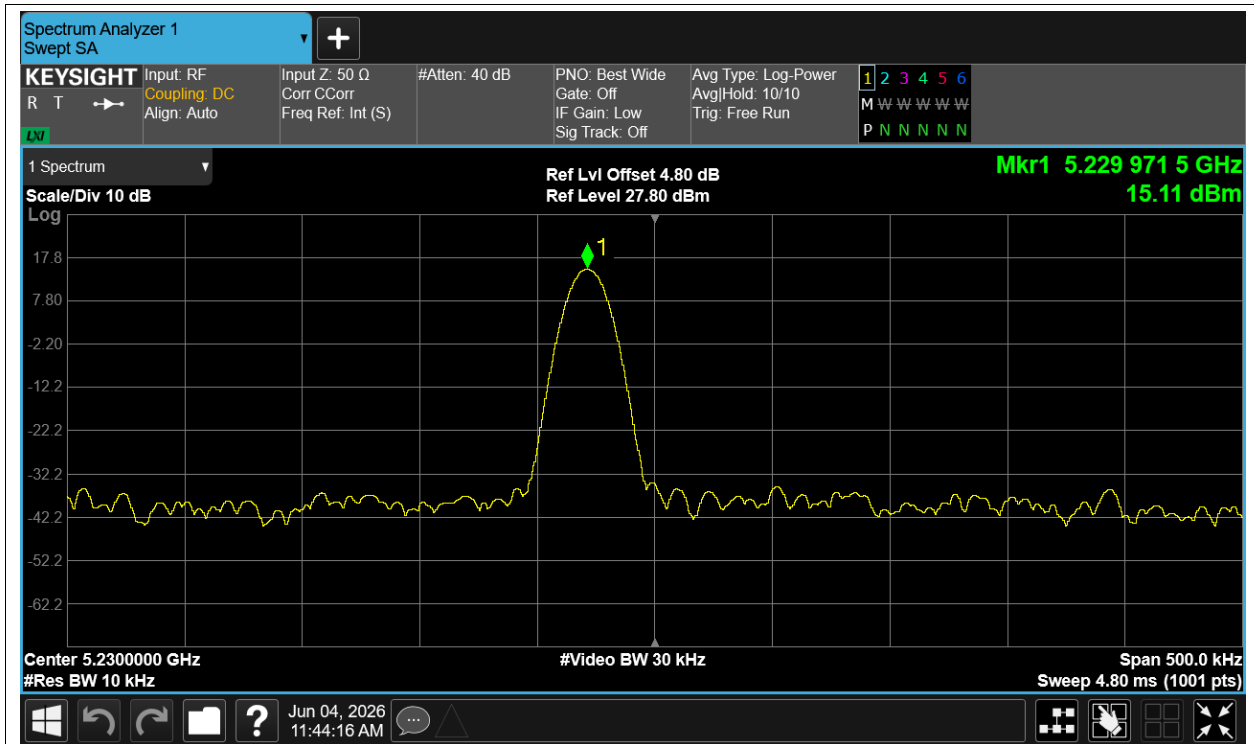
Freq. Stability NVLT 40M 5230MHz Ant1



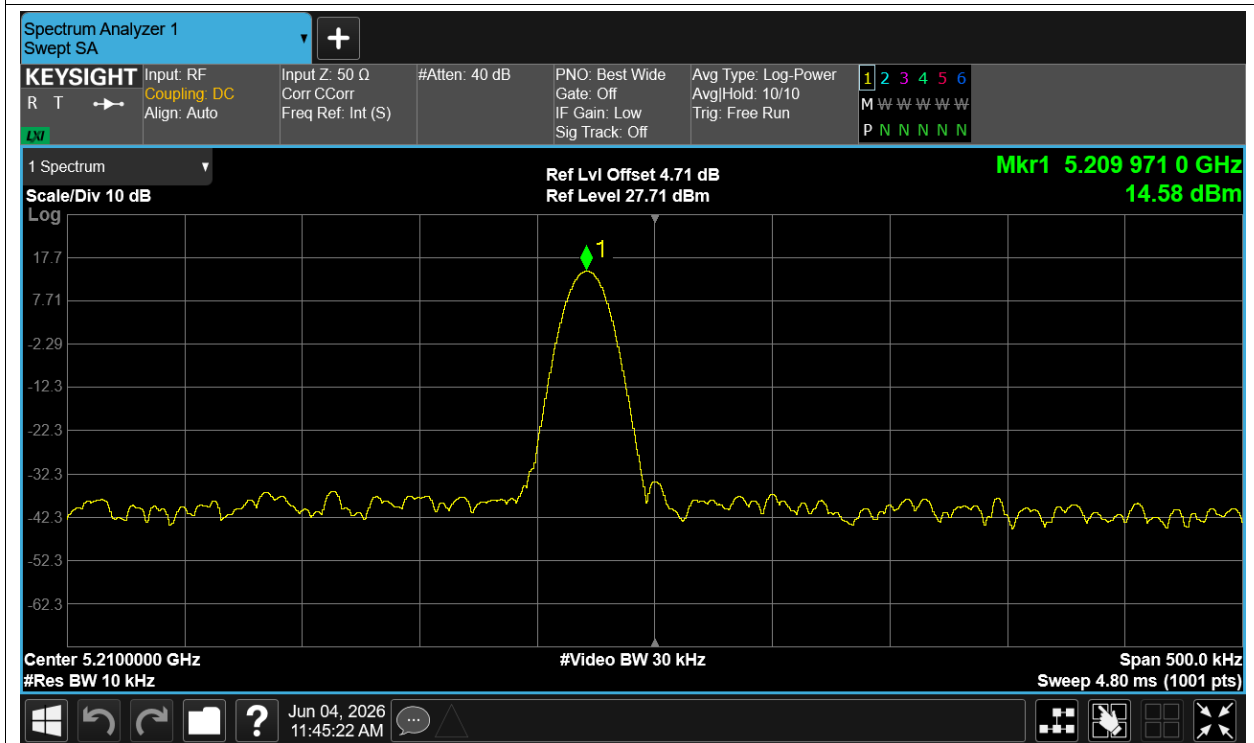
Freq. Stability NVNT 40M 5190MHz Ant1



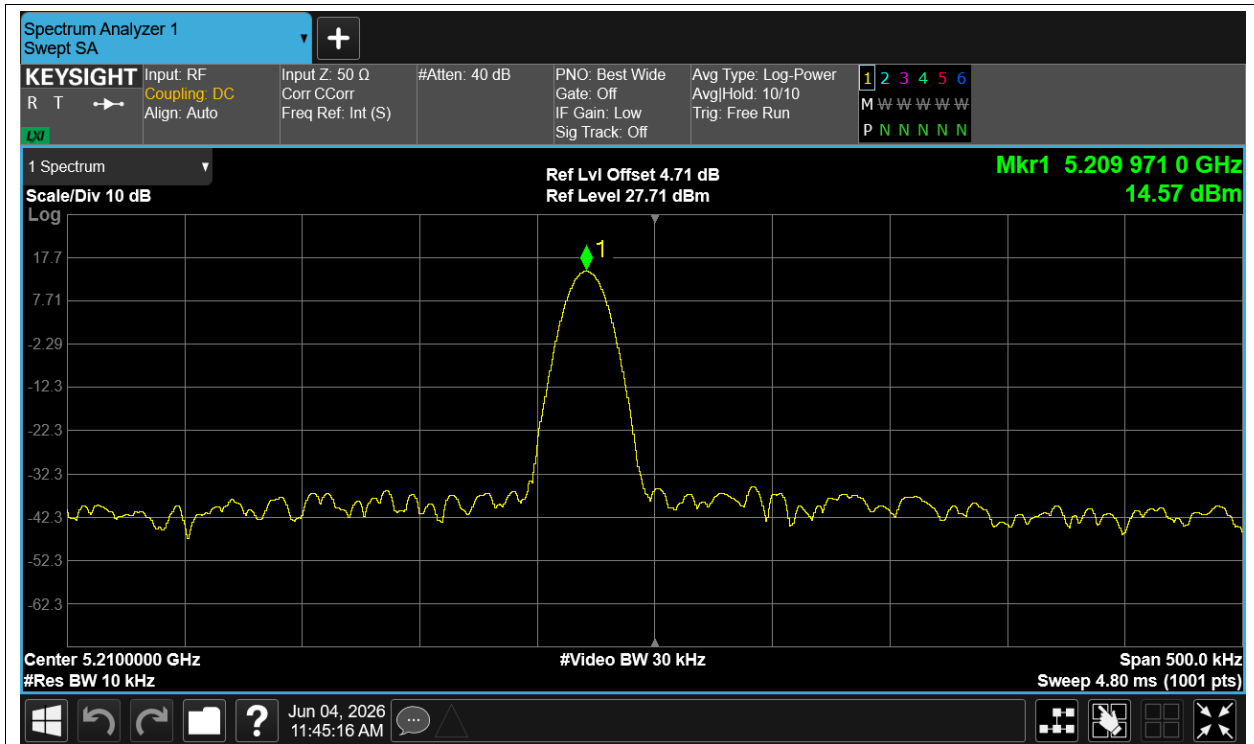
Freq. Stability NVNT 40M 5230MHz Ant1



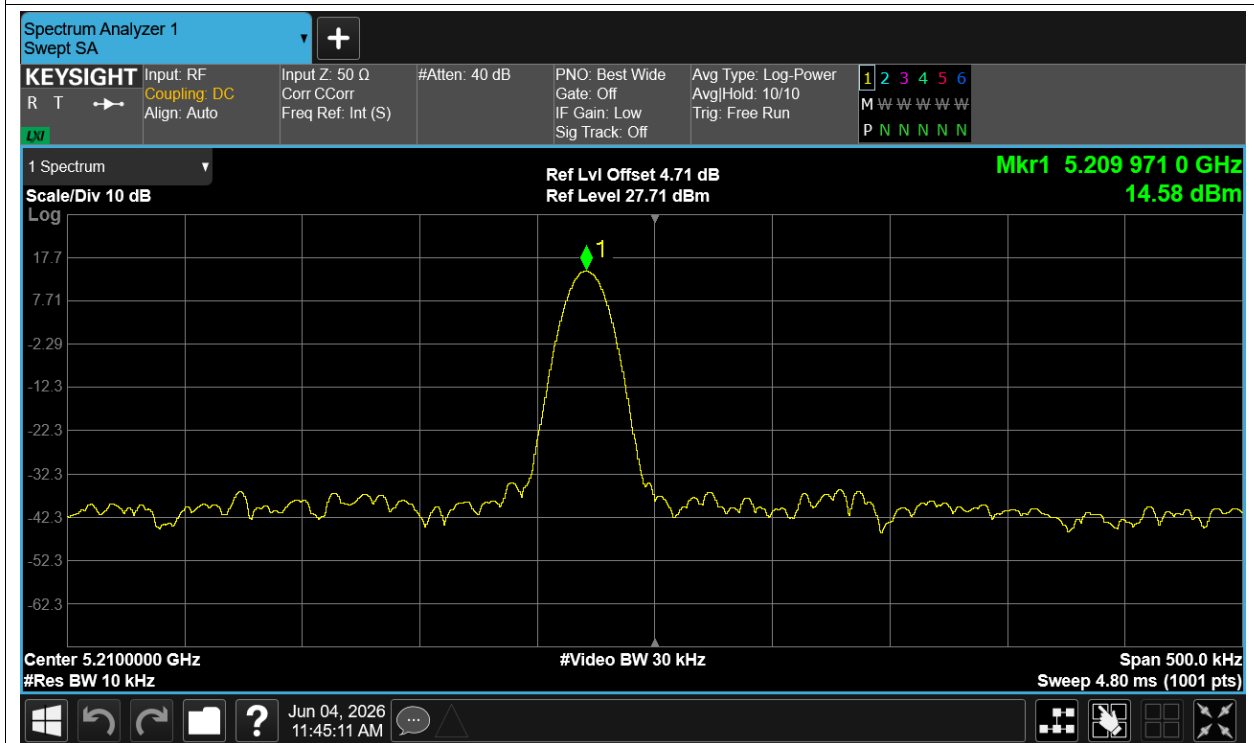
Freq. Stability HVNT 80M 5210MHz Ant1



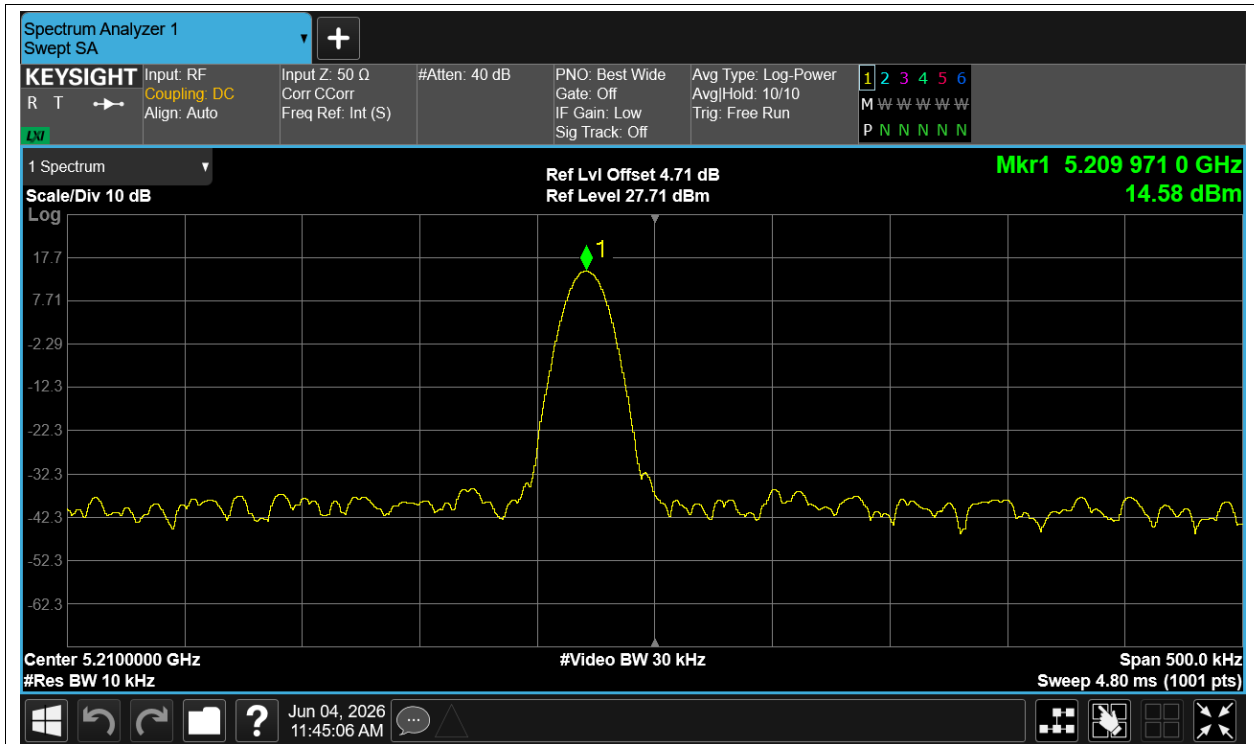
Freq. Stability LVNT 80M 5210MHz Ant1



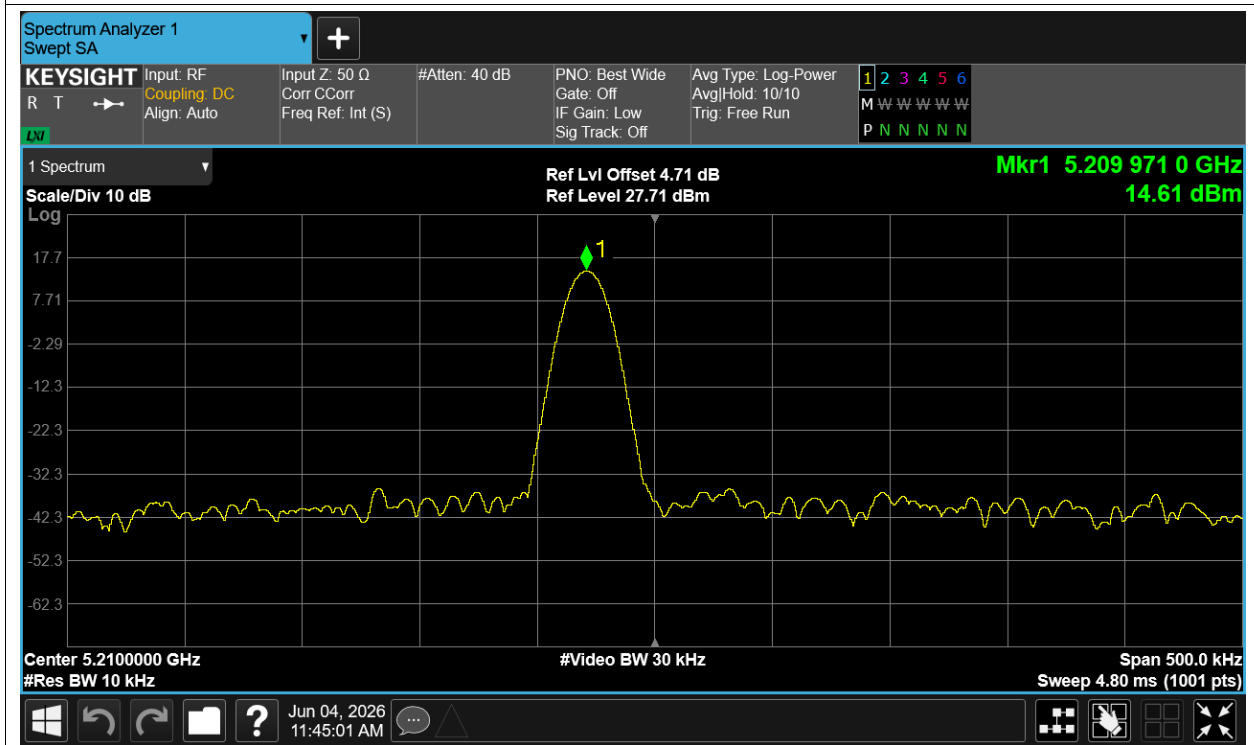
Freq. Stability NVHT 80M 5210MHz Ant1



Freq. Stability NVLT 80M 5210MHz Ant1



Freq. Stability NVNT 80M 5210MHz Ant1

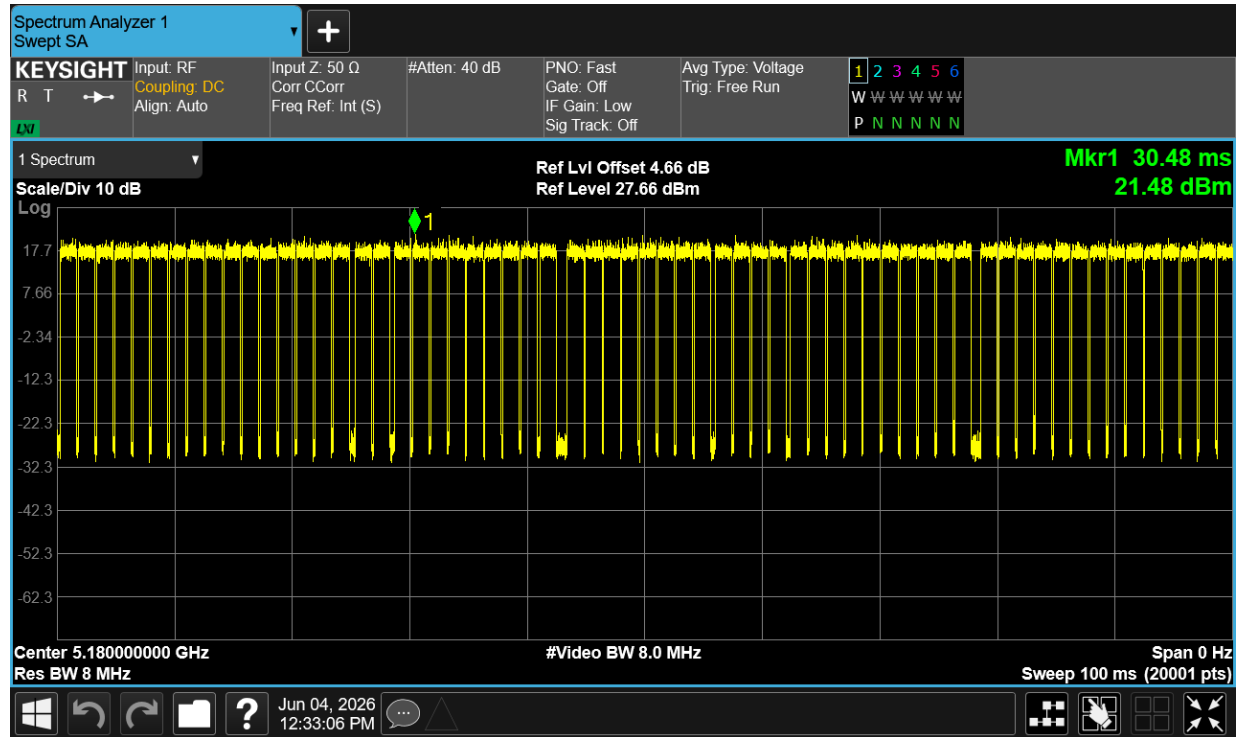


Duty Cycle

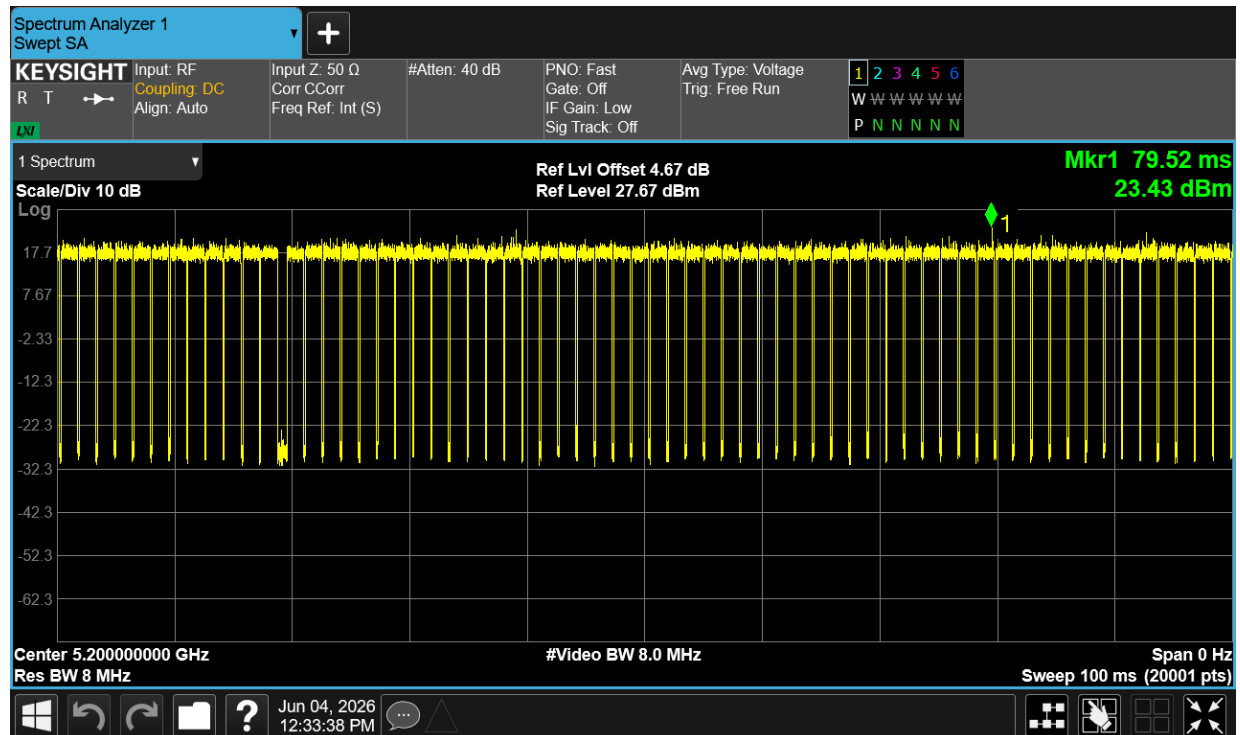
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	87.87	0.56
NVNT	a	5200	Ant1	89.7	0.47
NVNT	a	5240	Ant1	90.24	0.45
NVNT	ac20	5180	Ant1	88.32	0.54
NVNT	ac20	5200	Ant1	88.22	0.54
NVNT	ac20	5240	Ant1	86.69	0.62
NVNT	ac40	5190	Ant1	79.77	0.98
NVNT	ac40	5230	Ant1	76.4	1.17
NVNT	ac80	5210	Ant1	66.14	1.8
NVNT	n20	5180	Ant1	86.9	0.61
NVNT	n20	5200	Ant1	88.15	0.55
NVNT	n20	5240	Ant1	85.88	0.66
NVNT	n40	5190	Ant1	75.89	1.2
NVNT	n40	5230	Ant1	80.04	0.97

Test Graphs

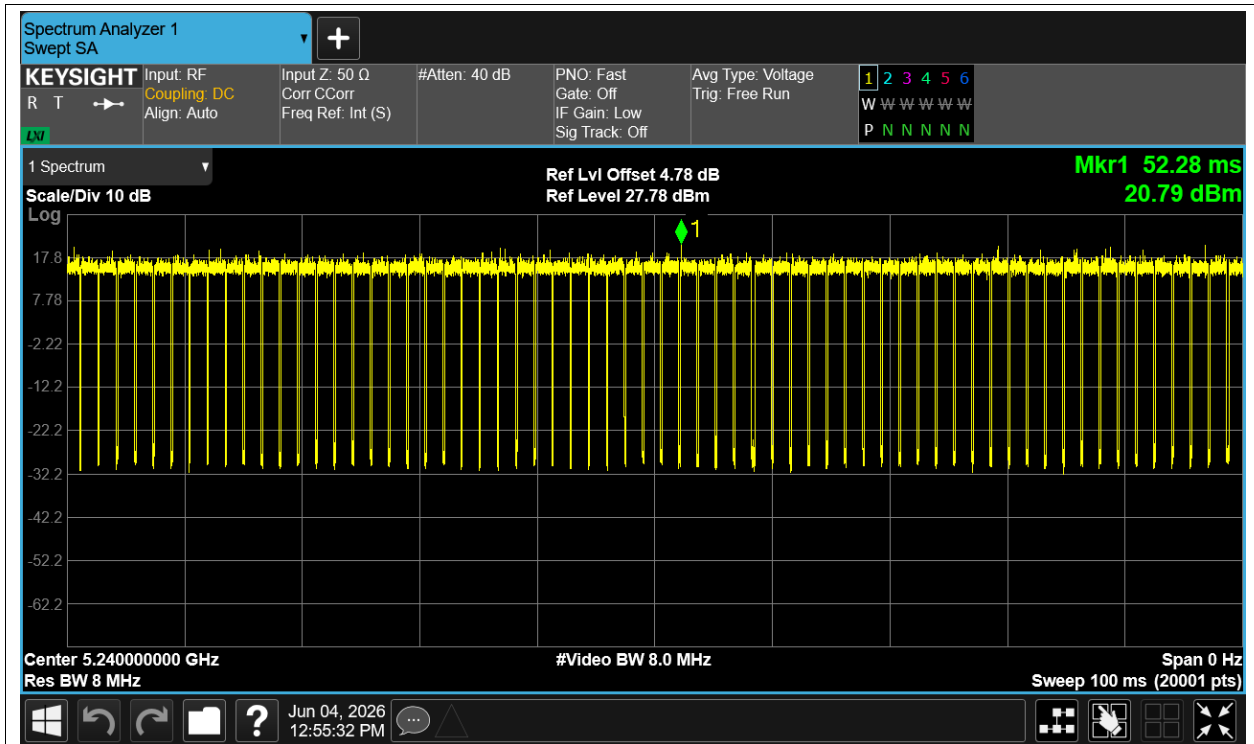
Duty Cycle NVNT a 5180MHz Ant1



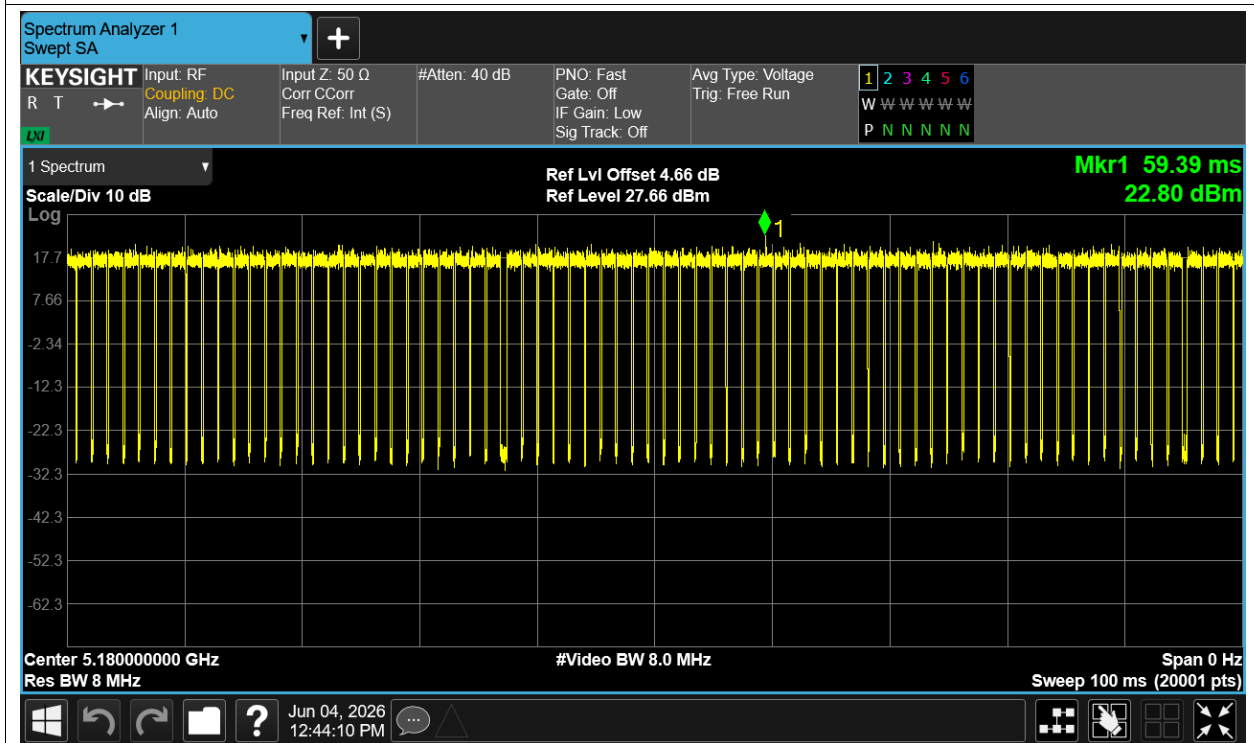
Duty Cycle NVNT a 5200MHz Ant1



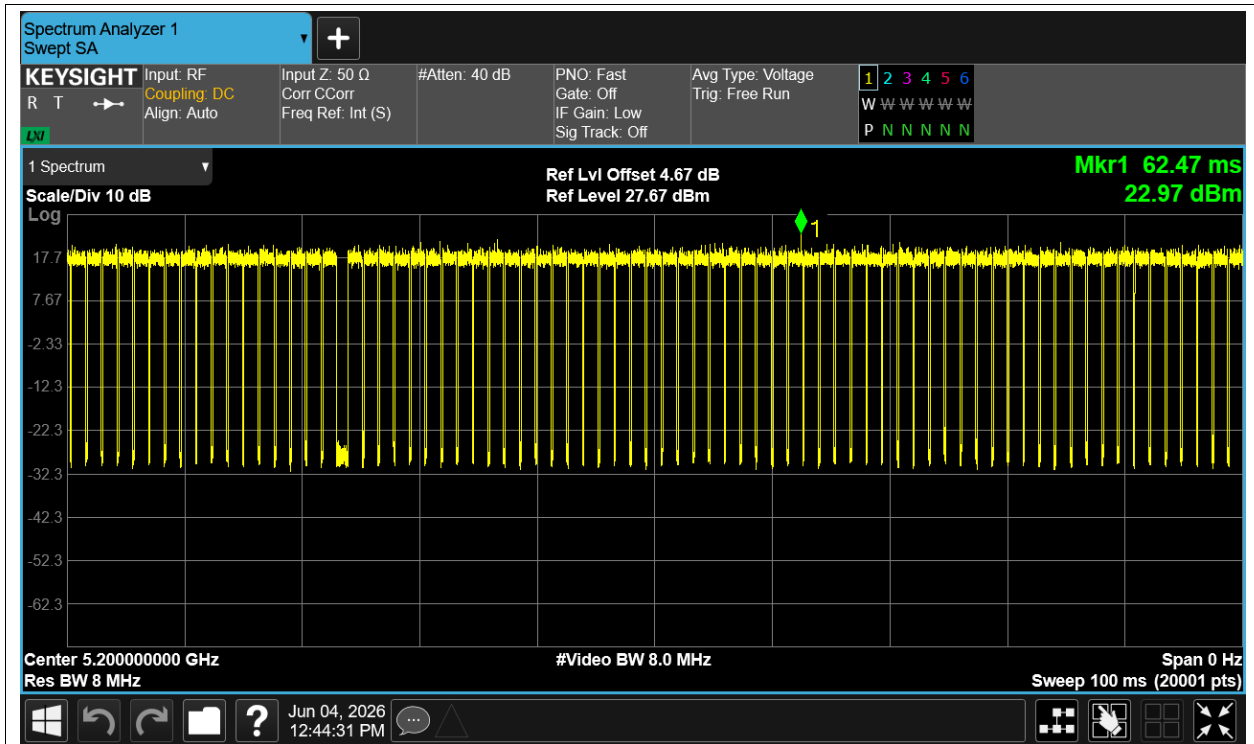
Duty Cycle NVNT a 5240MHz Ant1



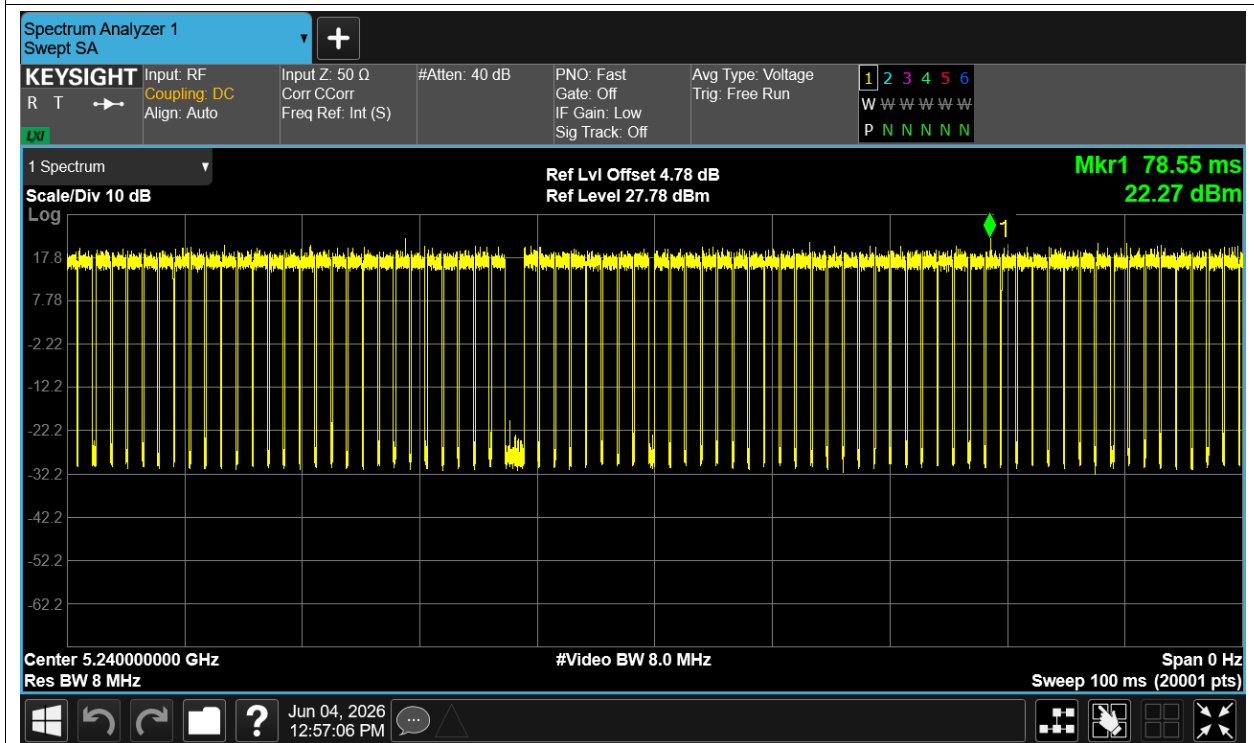
Duty Cycle NVNT ac20 5180MHz Ant1



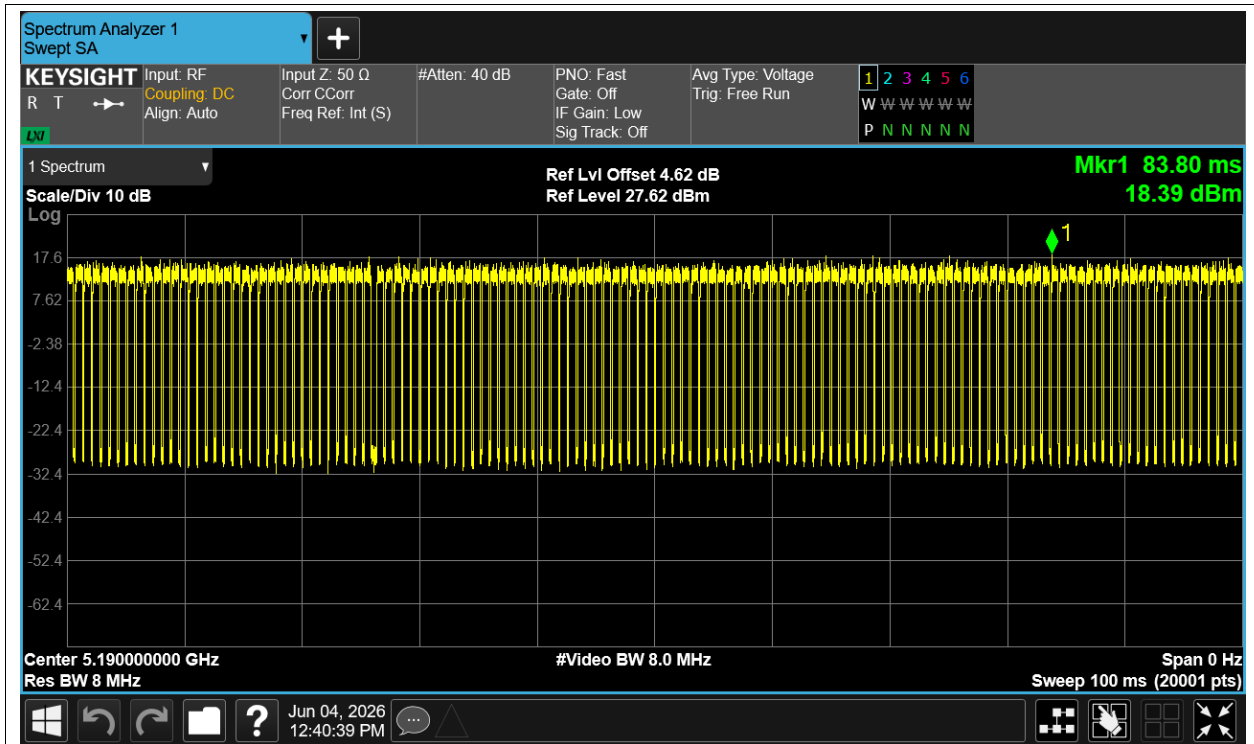
Duty Cycle NVNT ac20 5200MHz Ant1



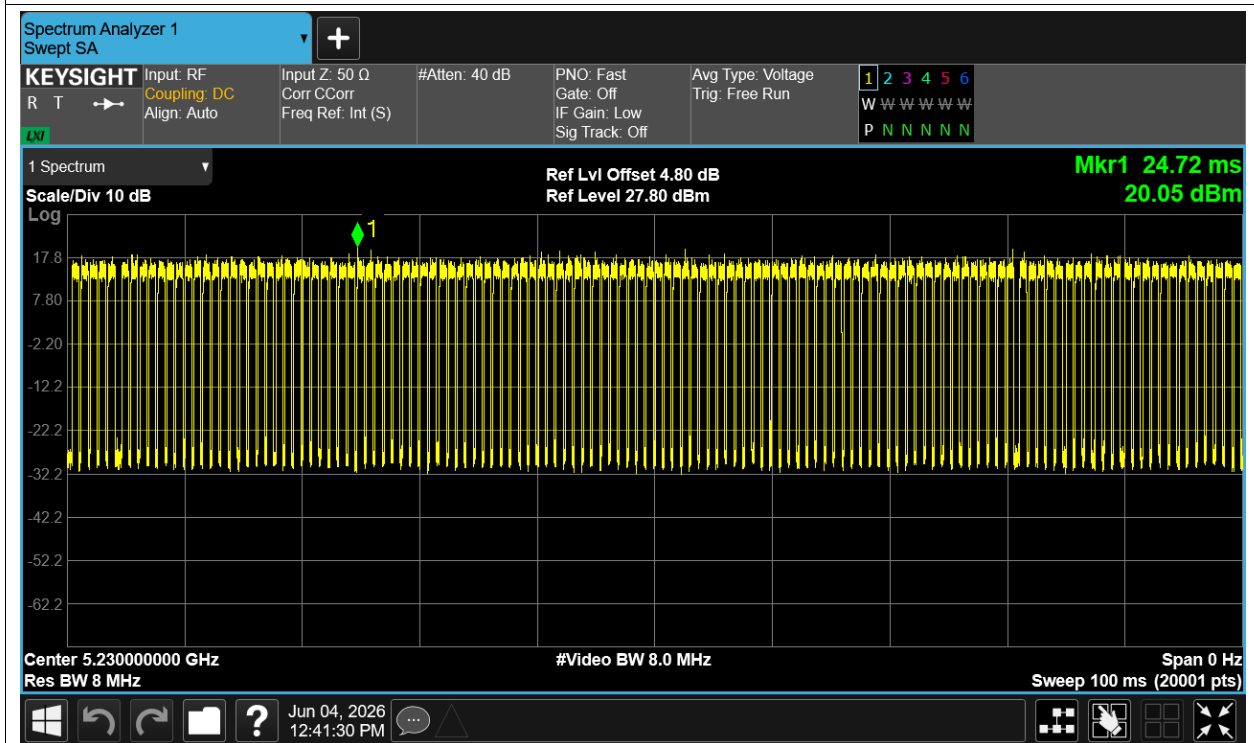
Duty Cycle NVNT ac20 5240MHz Ant1



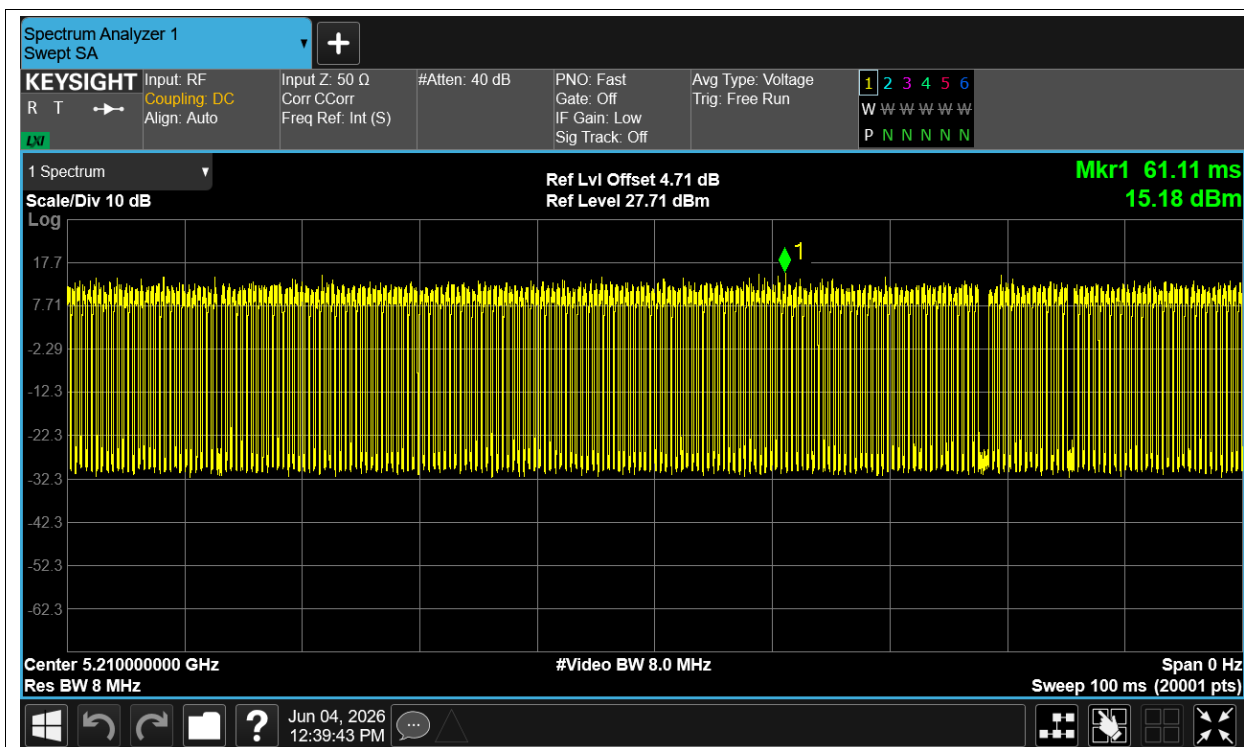
Duty Cycle NVNT ac40 5190MHz Ant1



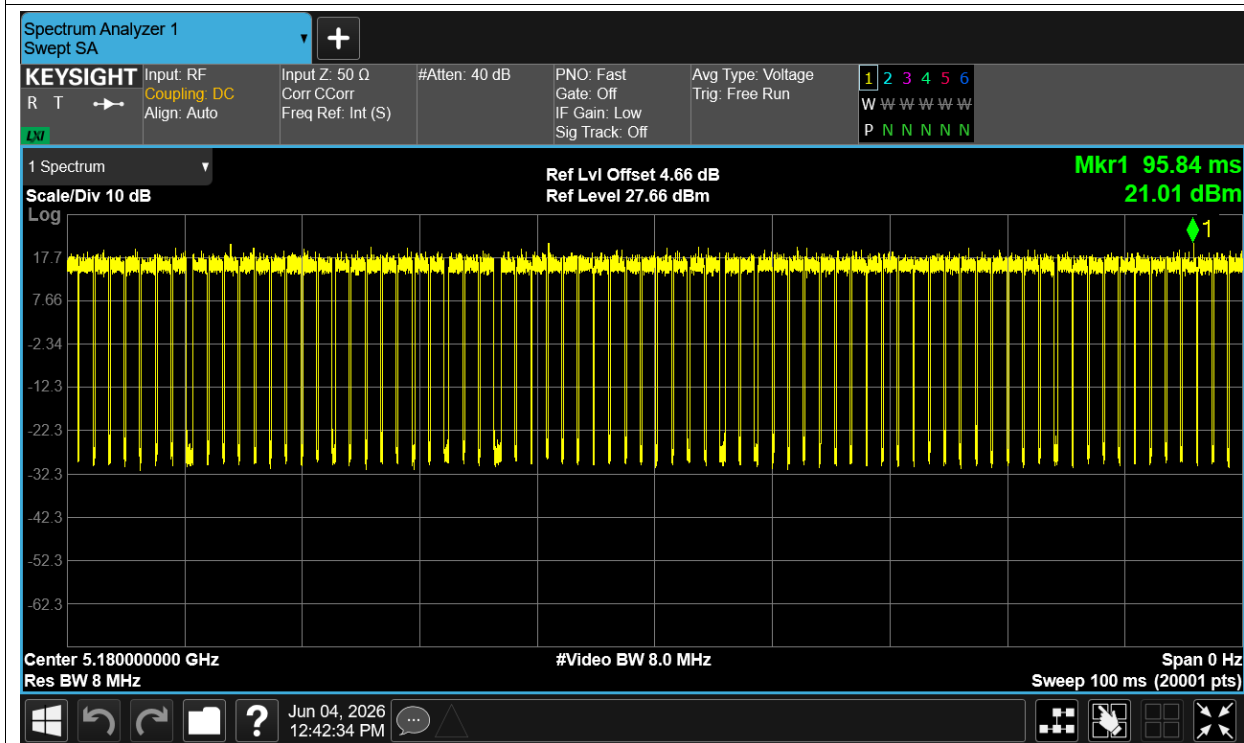
Duty Cycle NVNT ac40 5230MHz Ant1



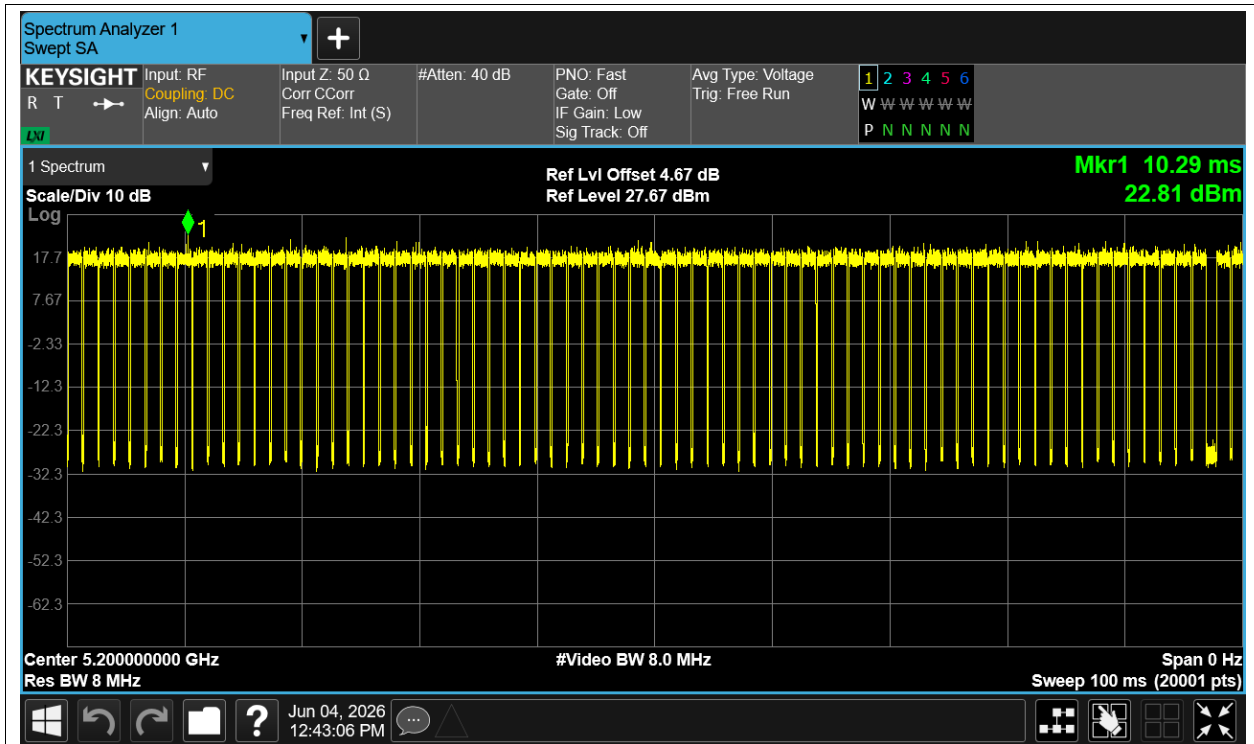
Duty Cycle NVNT ac80 5210MHz Ant1



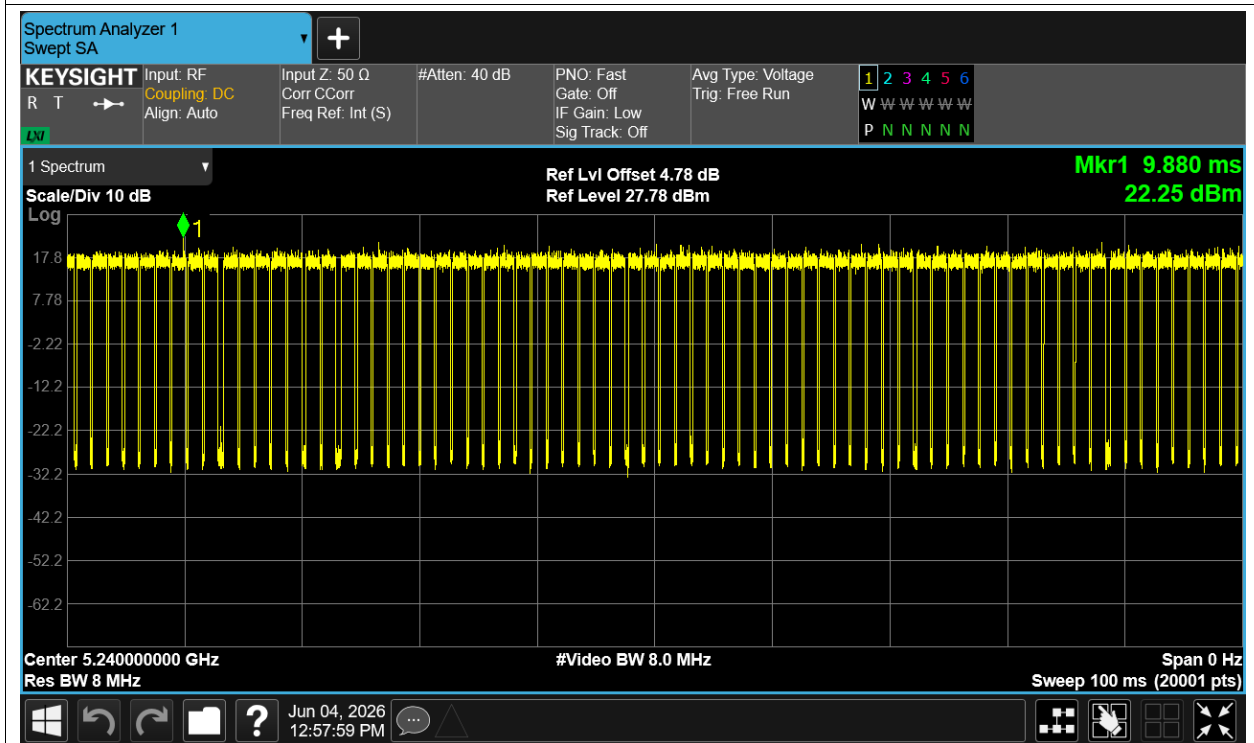
Duty Cycle NVNT n20 5180MHz Ant1



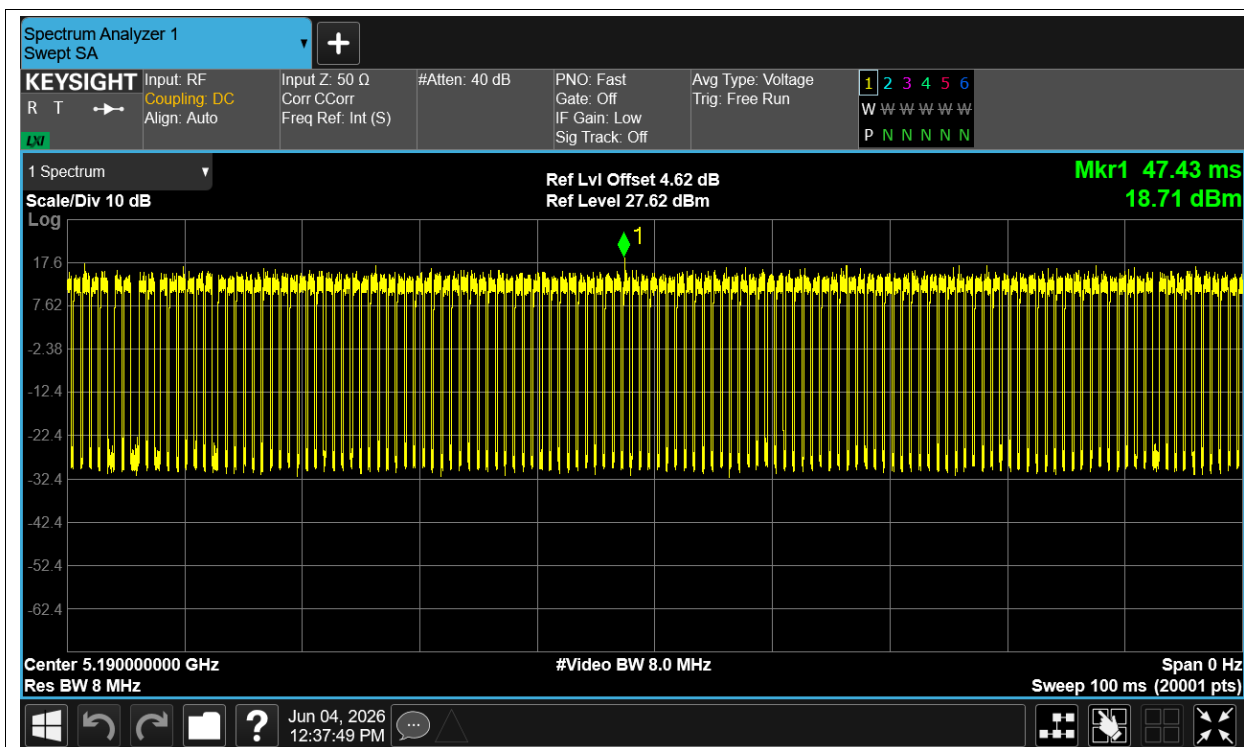
Duty Cycle NVNT n20 5200MHz Ant1



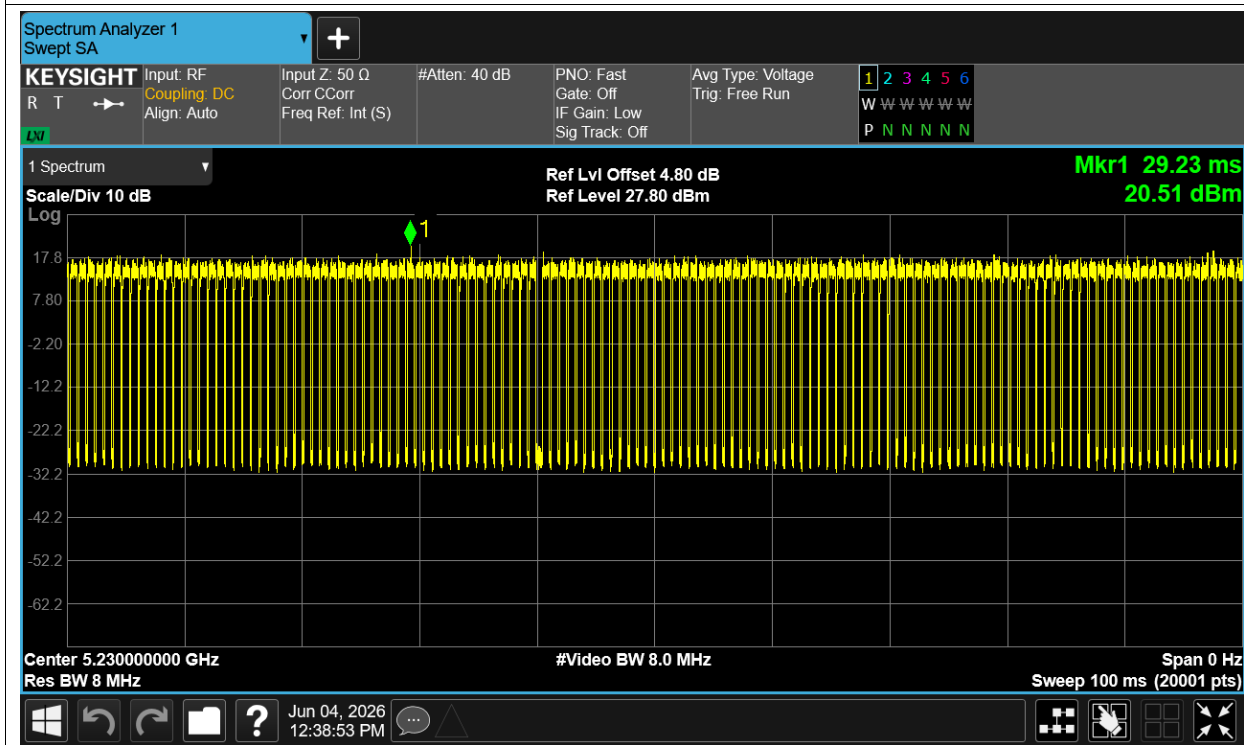
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

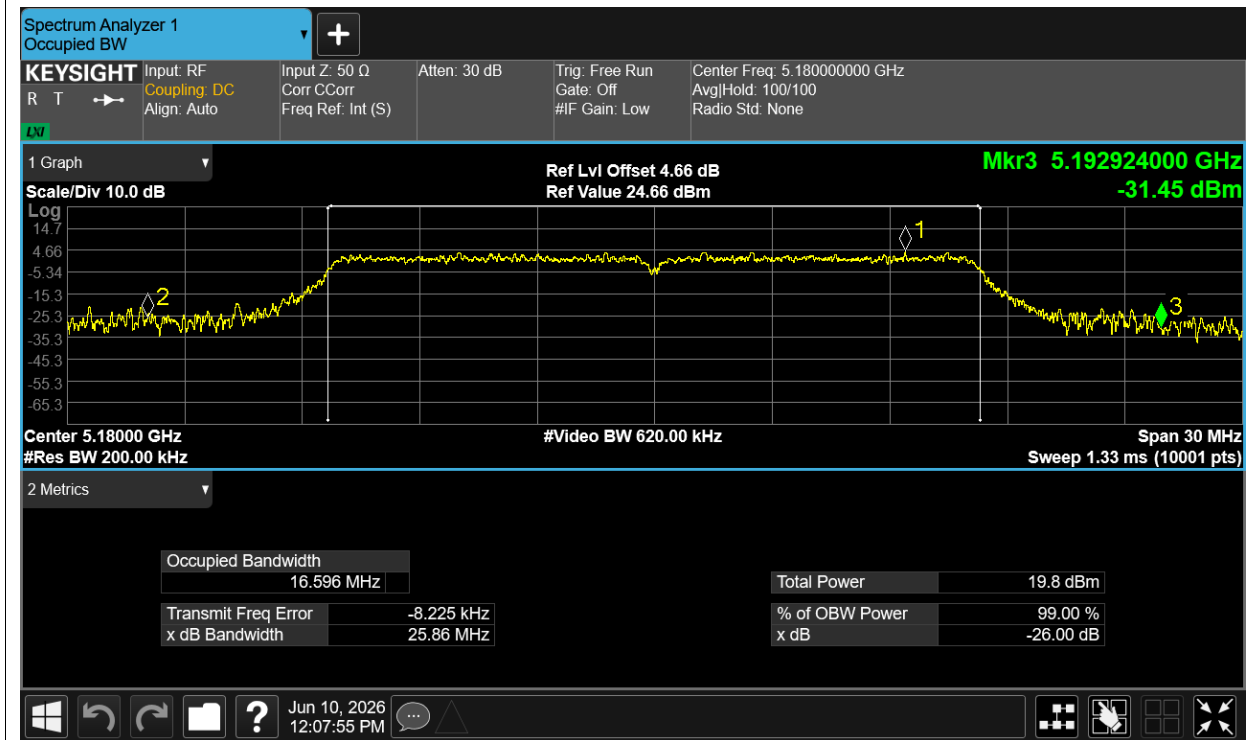
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	14.72	0.56	15.28	24	Pass
NVNT	a	5200	Ant1	14.88	0.47	15.35	24	Pass
NVNT	a	5240	Ant1	15.38	0.45	15.83	24	Pass
NVNT	ac20	5180	Ant1	14.87	0.54	15.41	24	Pass
NVNT	ac20	5200	Ant1	14.87	0.54	15.41	24	Pass
NVNT	ac20	5240	Ant1	14.63	0.62	15.25	24	Pass
NVNT	ac40	5190	Ant1	13.69	0.98	14.67	23	Pass
NVNT	ac40	5230	Ant1	14.85	1.17	16.02	24	Pass
NVNT	ac80	5210	Ant1	13.8	1.8	15.6	24	Pass
NVNT	n20	5180	Ant1	14.68	0.61	15.29	24	Pass
NVNT	n20	5200	Ant1	14.86	0.55	15.41	24	Pass
NVNT	n20	5240	Ant1	14.64	0.66	15.3	24	Pass
NVNT	n40	5190	Ant1	13.49	1.2	14.69	24	Pass
NVNT	n40	5230	Ant1	14.82	0.97	15.79	24	Pass

-26dB Bandwidth

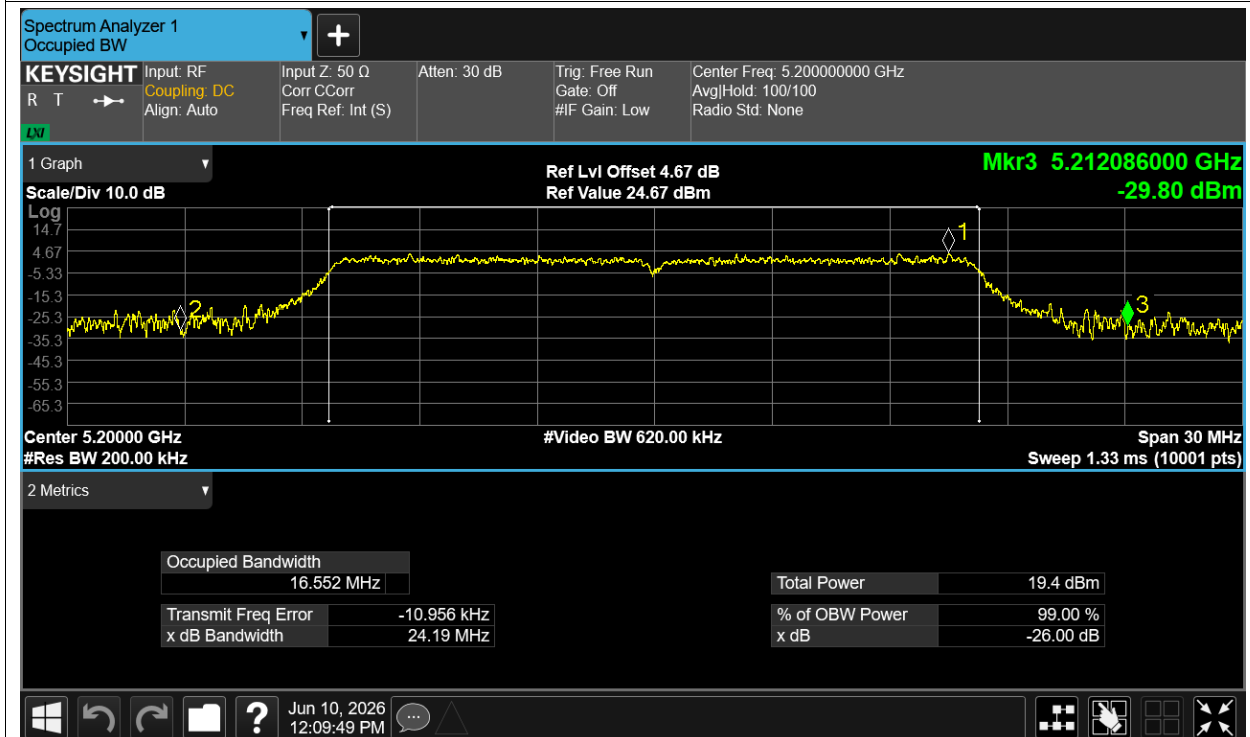
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	25.864
NVNT	a	5200	Ant1	24.194
NVNT	a	5240	Ant1	26.701
NVNT	ac20	5180	Ant1	25.464
NVNT	ac20	5200	Ant1	27.326
NVNT	ac20	5240	Ant1	25.716
NVNT	ac40	5190	Ant1	54.268
NVNT	ac40	5230	Ant1	54.378
NVNT	ac80	5210	Ant1	85.236
NVNT	n20	5180	Ant1	28.148
NVNT	n20	5200	Ant1	27.429
NVNT	n20	5240	Ant1	27.878
NVNT	n40	5190	Ant1	50.889
NVNT	n40	5230	Ant1	57.522

Test Graphs

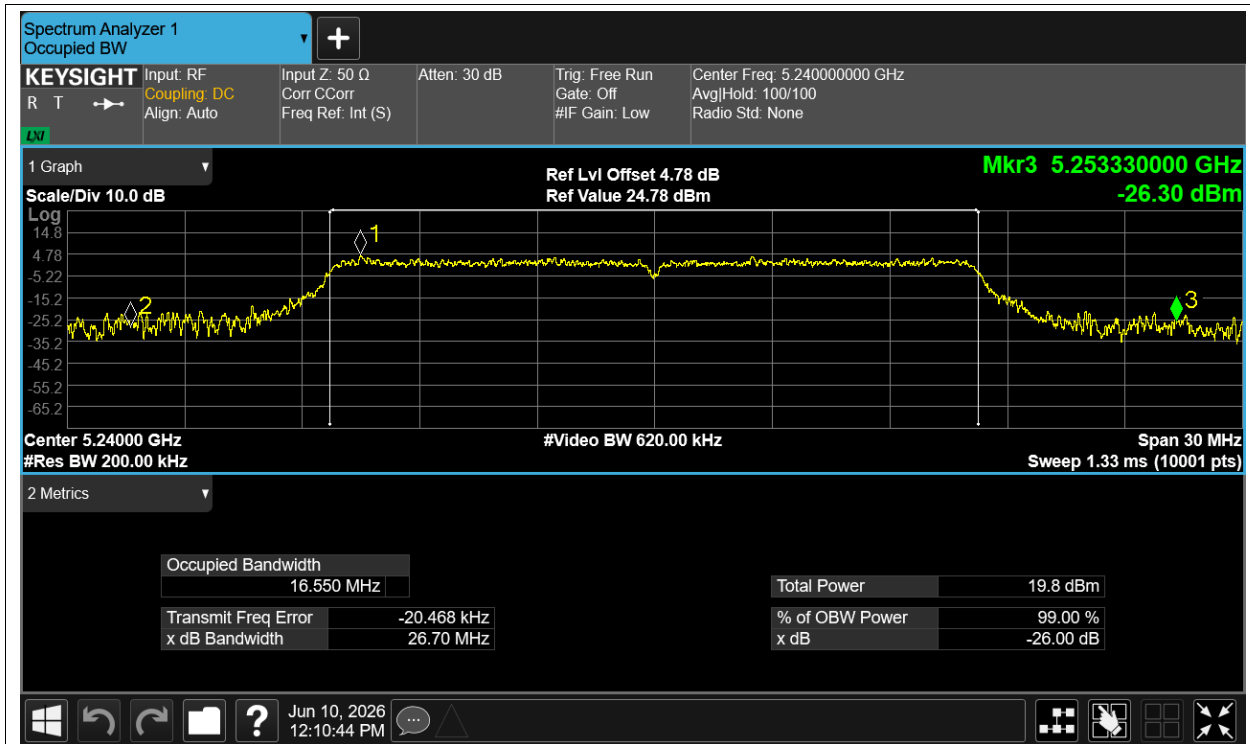
-26dB Bandwidth NVNT a 5180MHz Ant1



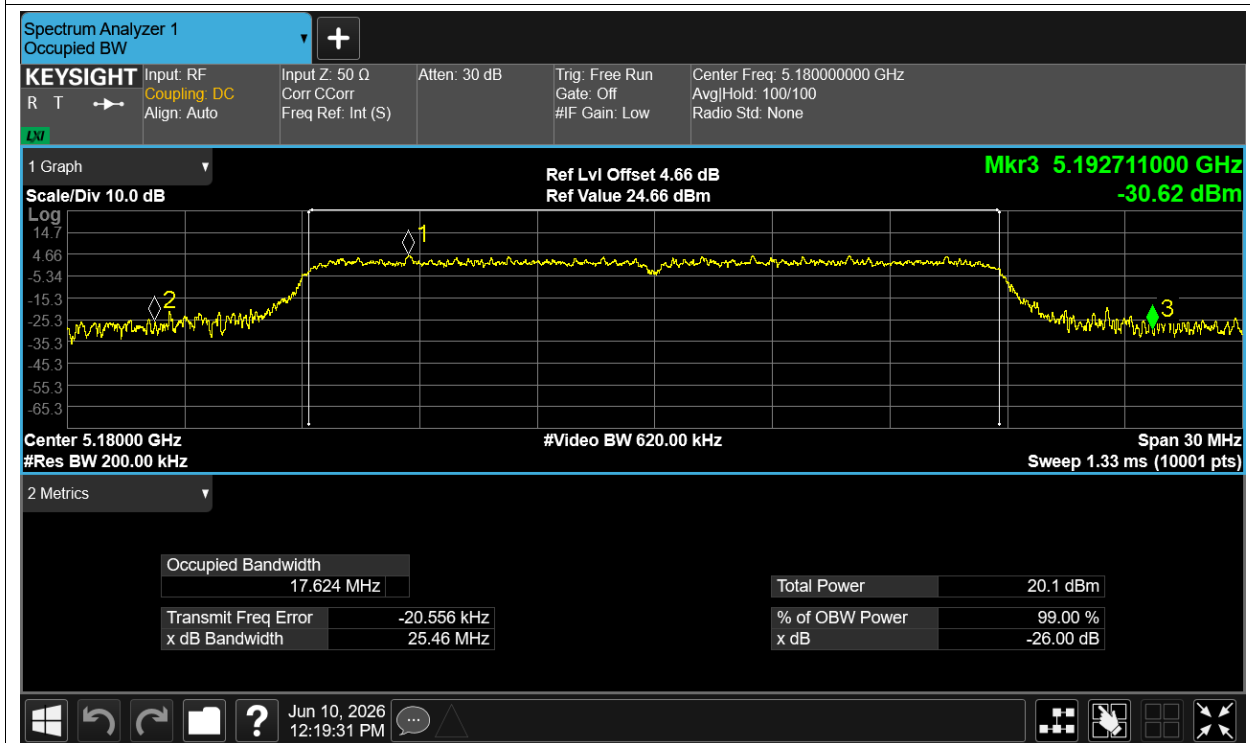
-26dB Bandwidth NVNT a 5200MHz Ant1



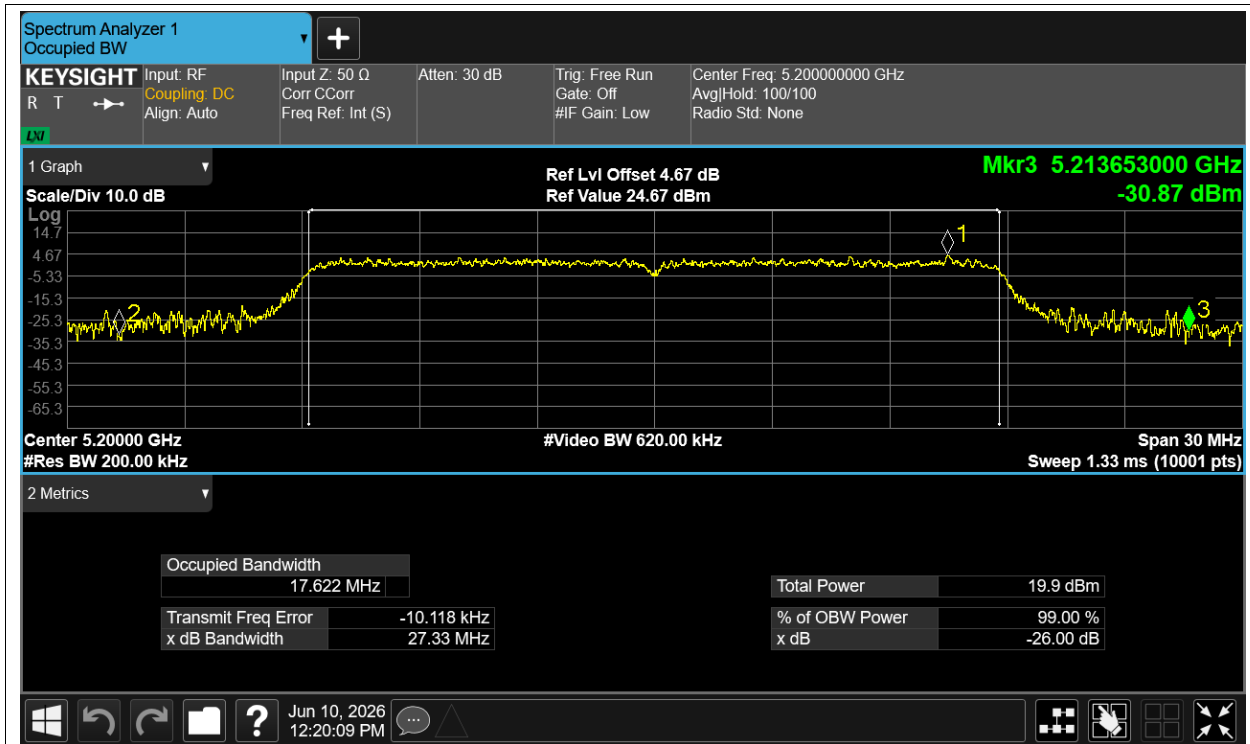
-26dB Bandwidth NVNT a 5240MHz Ant1



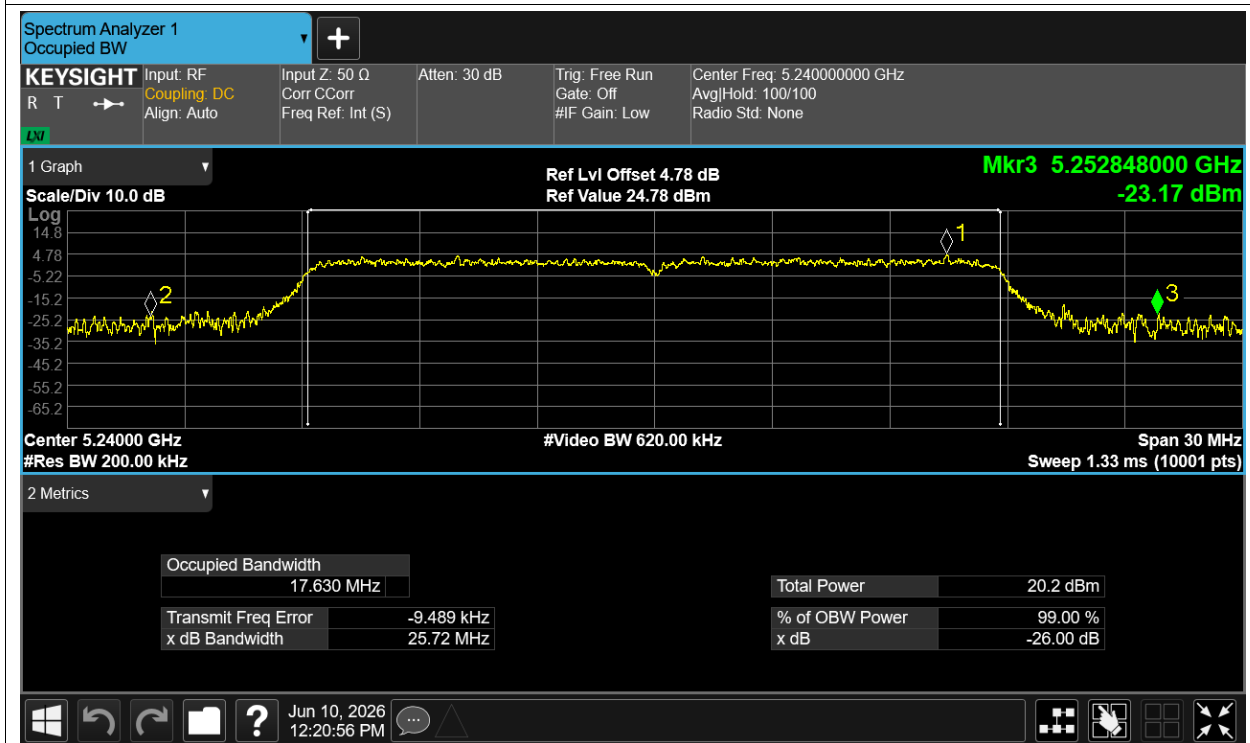
-26dB Bandwidth NVNT ac20 5180MHz Ant1



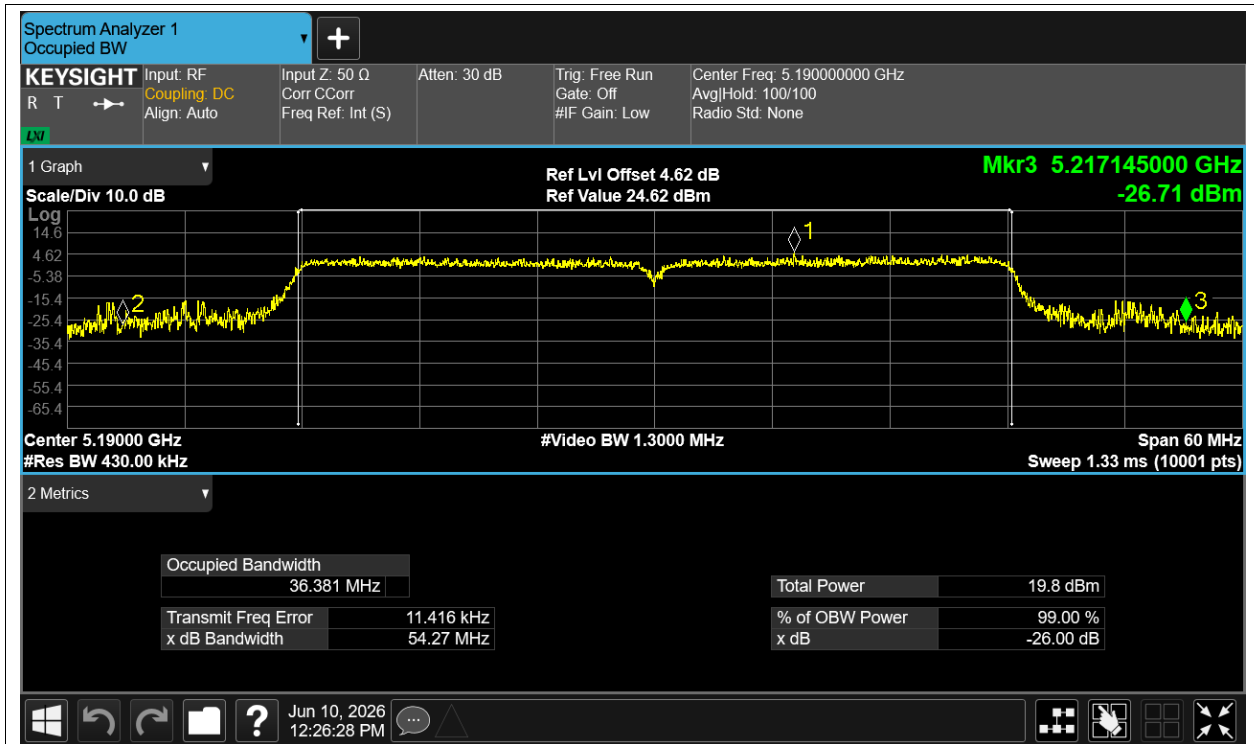
-26dB Bandwidth NVNT ac20 5200MHz Ant1



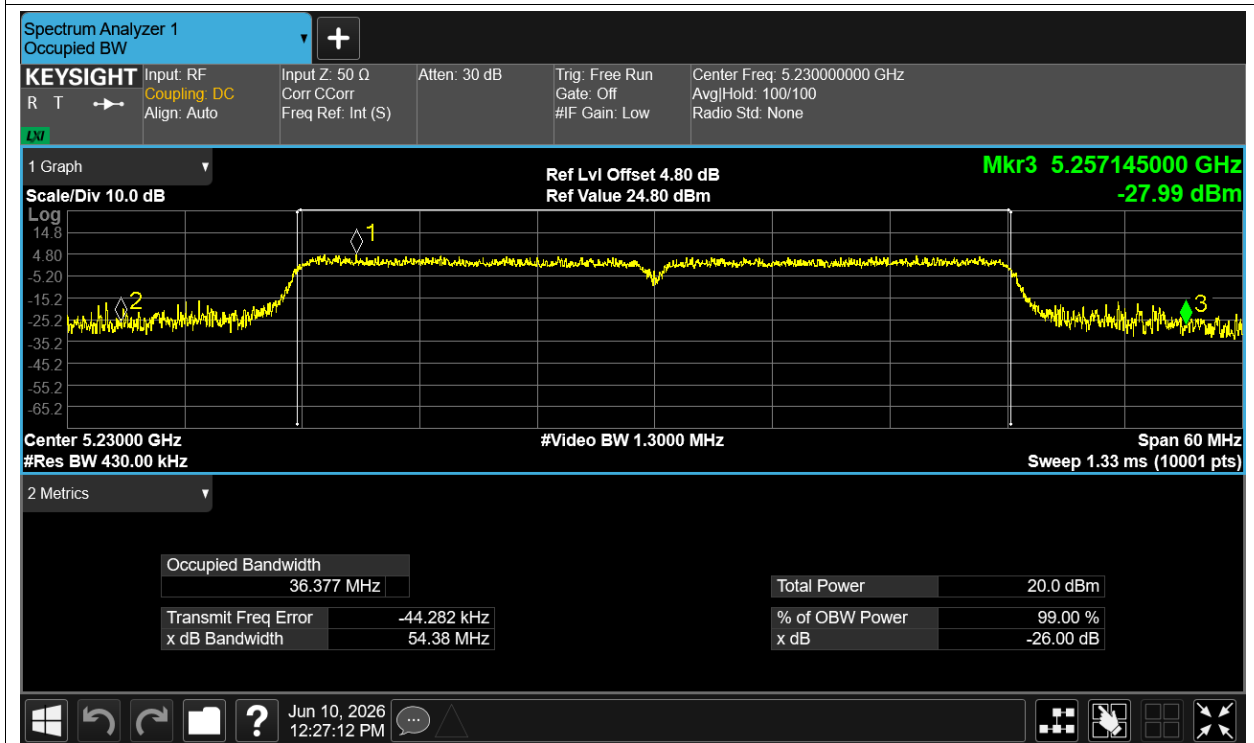
-26dB Bandwidth NVNT ac20 5240MHz Ant1



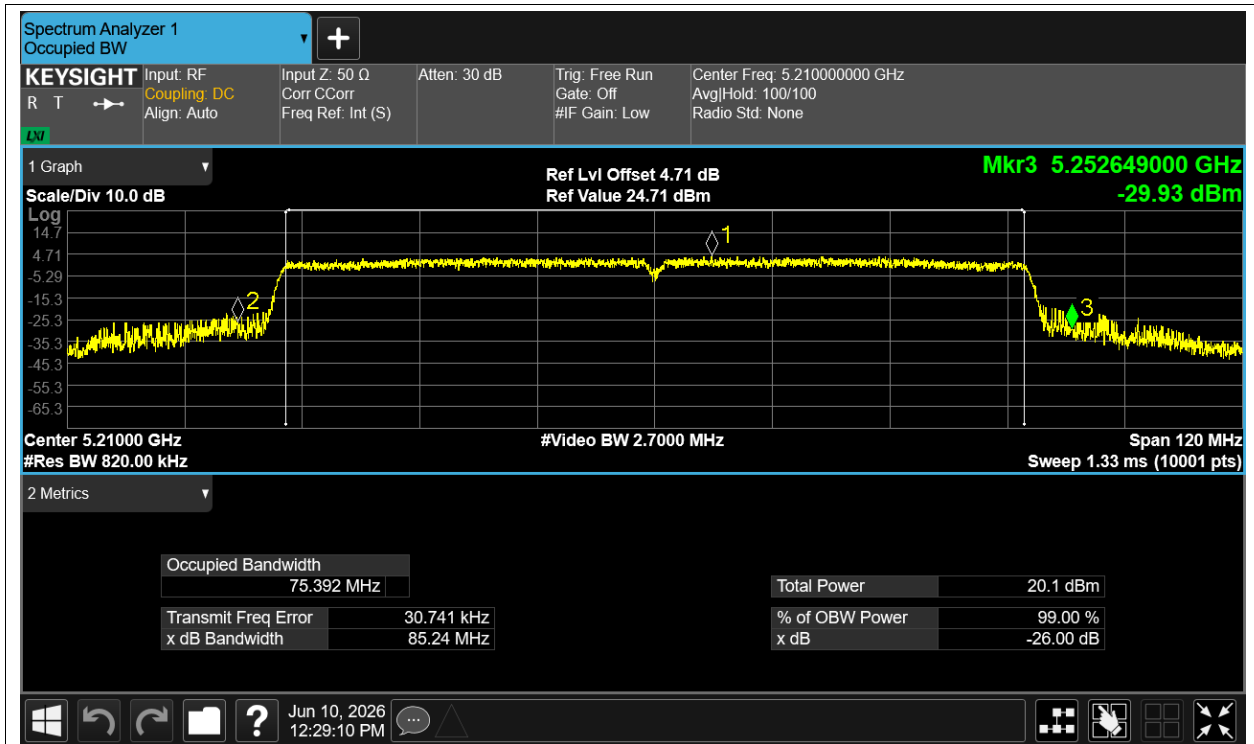
-26dB Bandwidth NVNT ac40 5190MHz Ant1



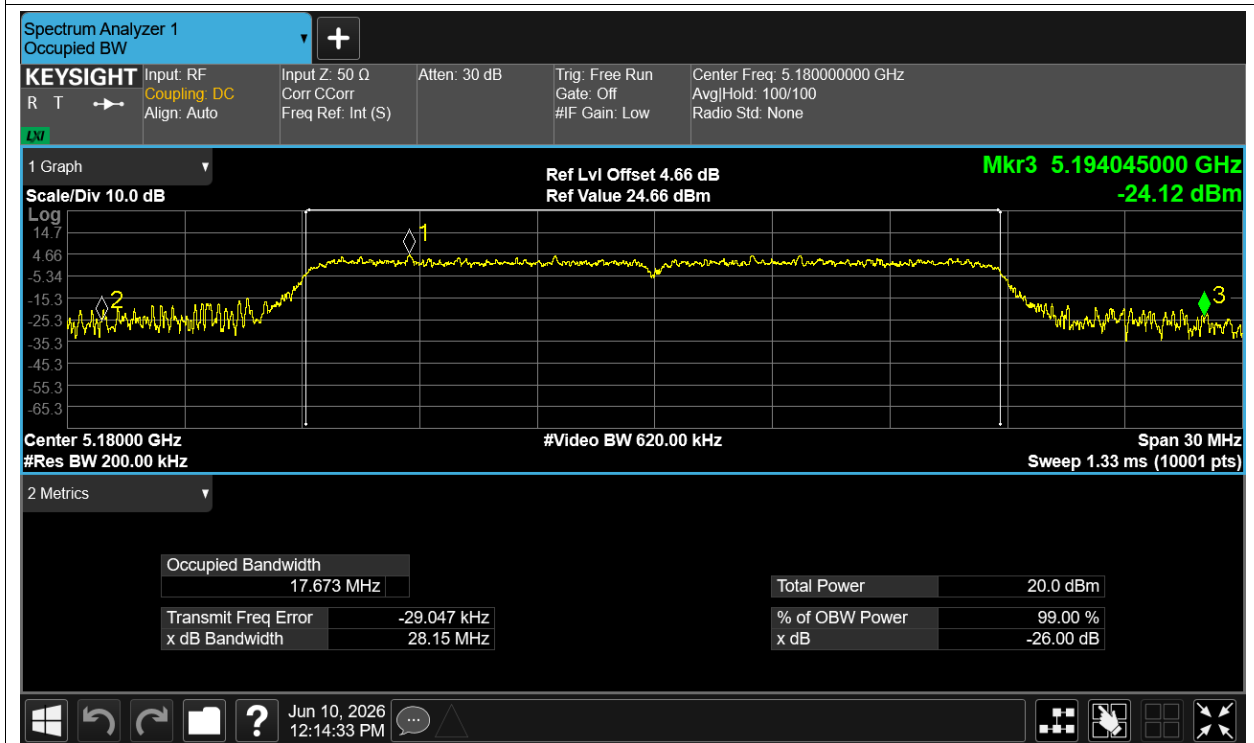
-26dB Bandwidth NVNT ac40 5230MHz Ant1



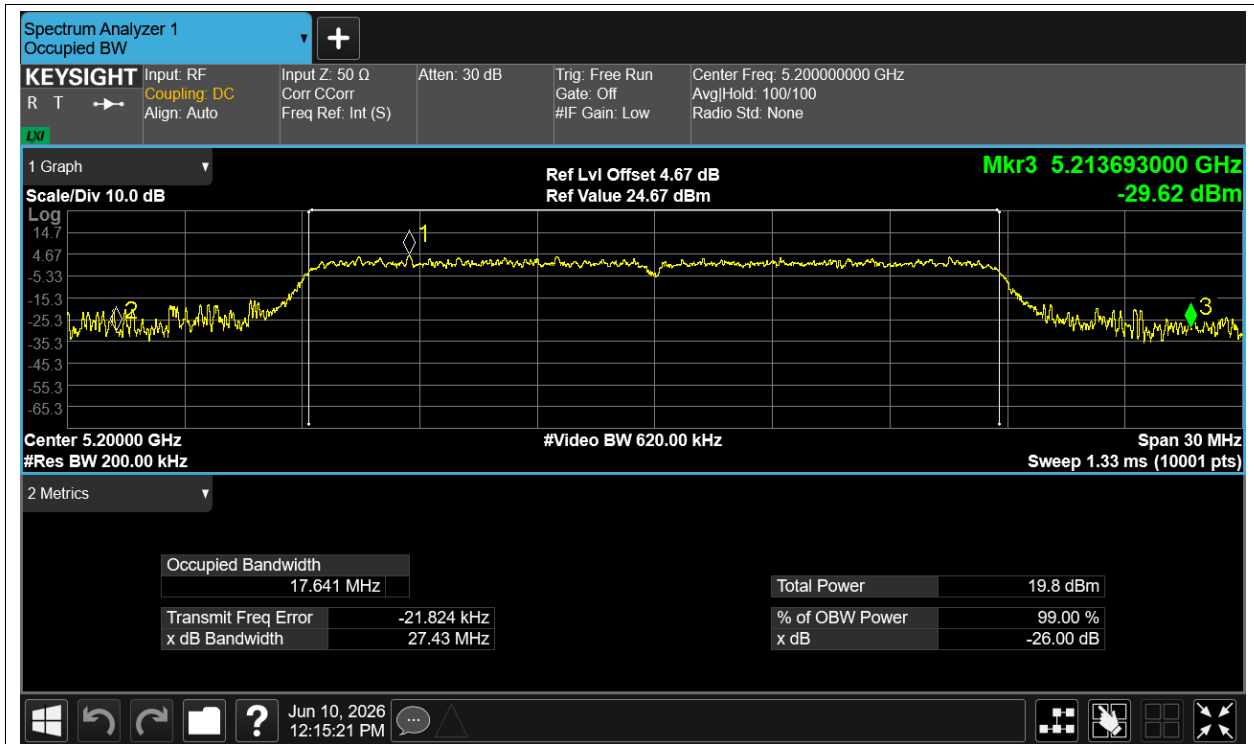
-26dB Bandwidth NVNT ac80 5210MHz Ant1



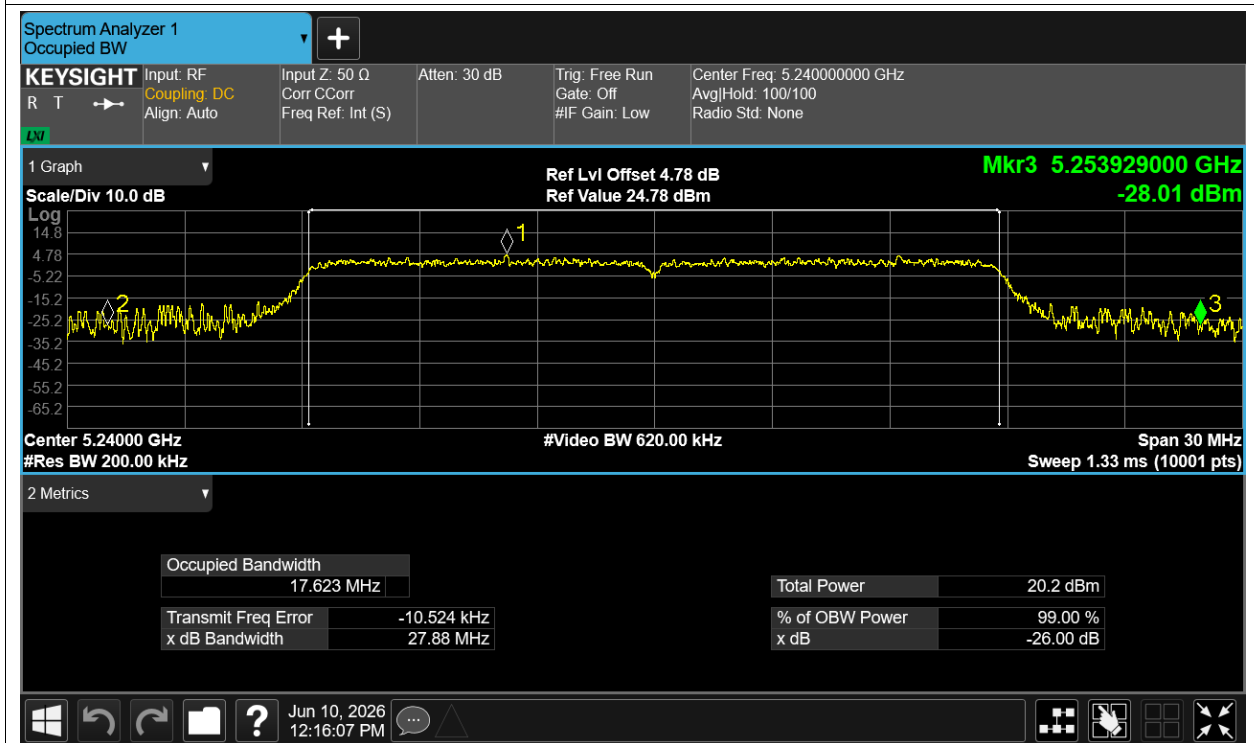
-26dB Bandwidth NVNT n20 5180MHz Ant1



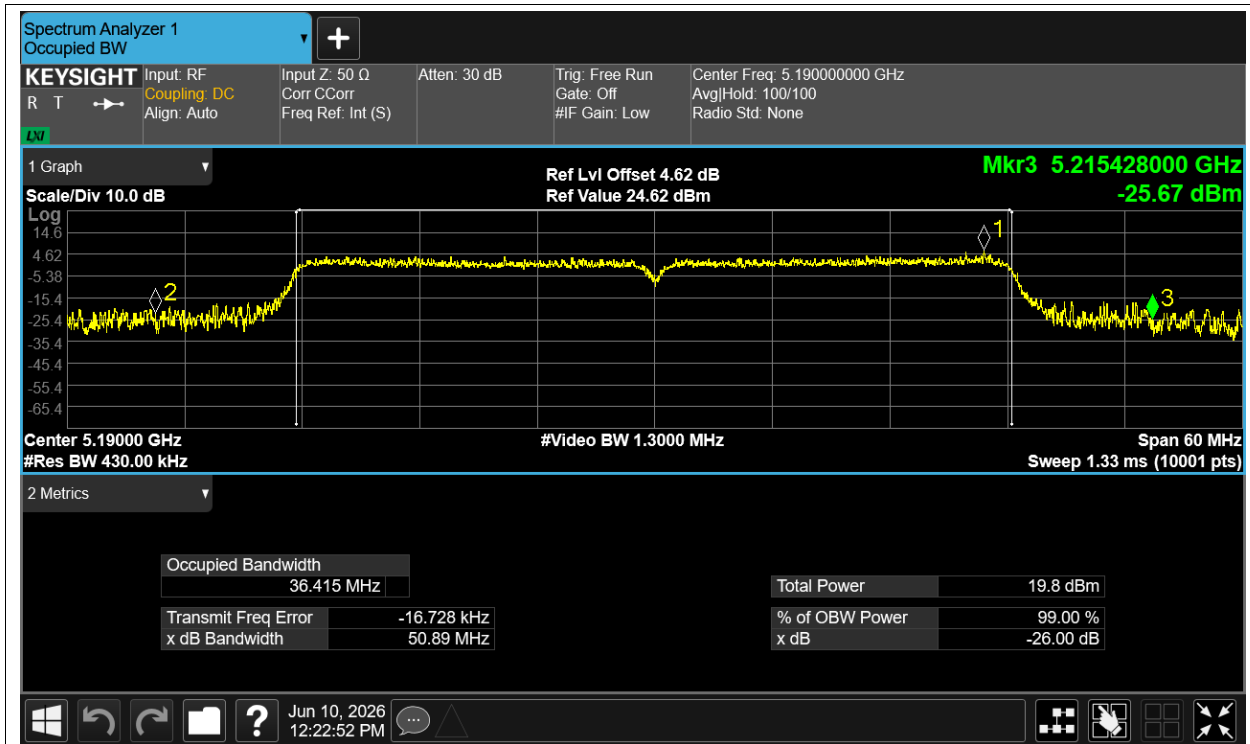
-26dB Bandwidth NVNT n20 5200MHz Ant1



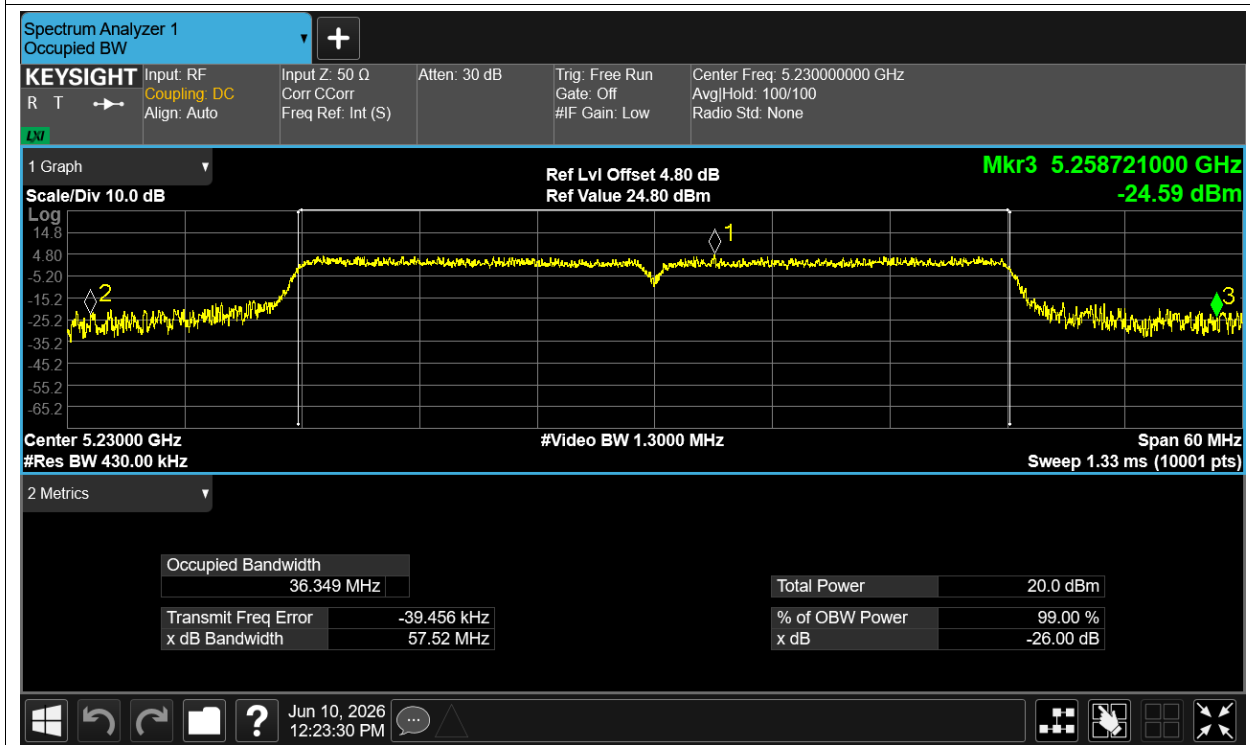
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

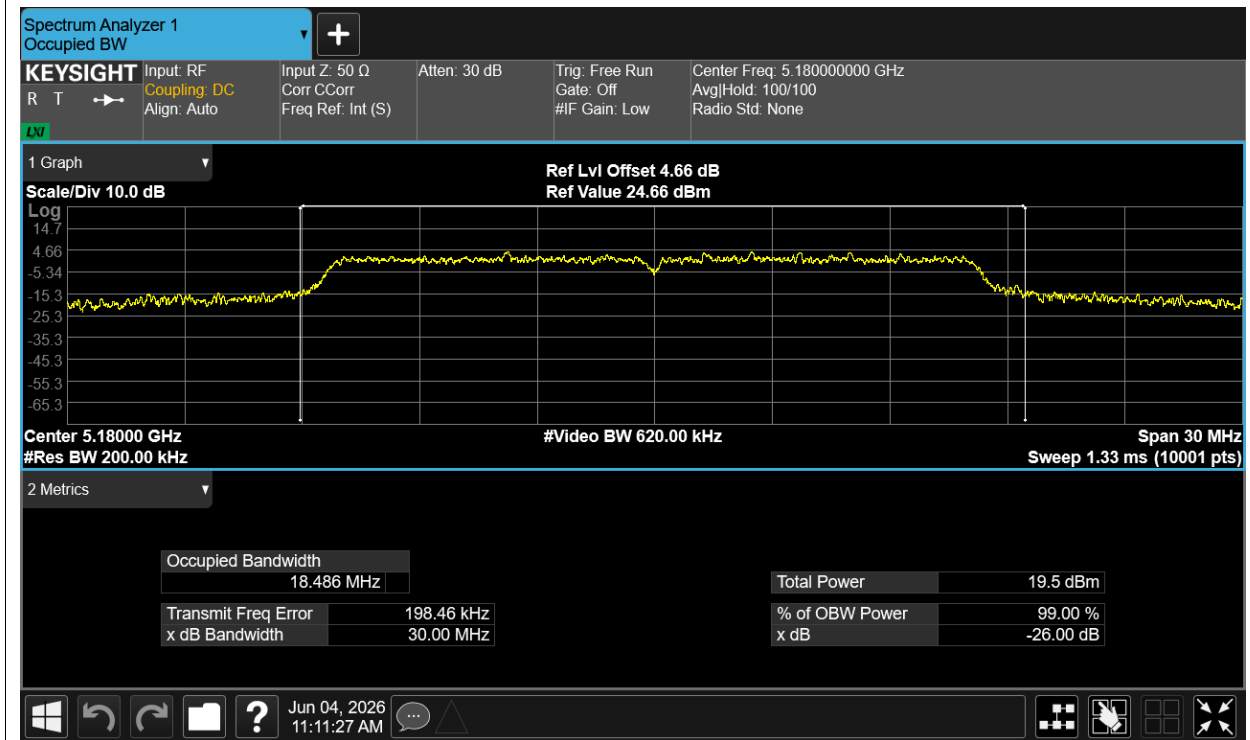


Occupied Channel Bandwidth

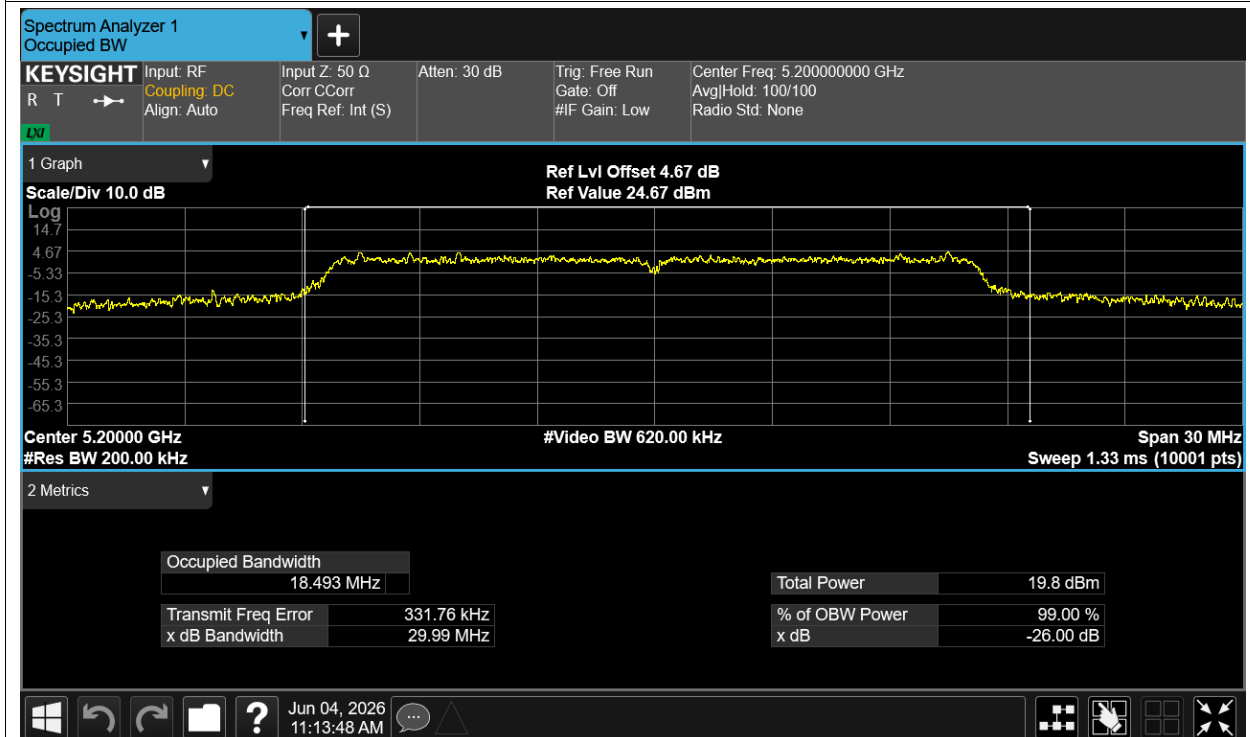
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	18.486
NVNT	a	5200	Ant1	18.493
NVNT	a	5240	Ant1	18.877
NVNT	ac20	5180	Ant1	19.153
NVNT	ac20	5200	Ant1	18.758
NVNT	ac20	5240	Ant1	18.913
NVNT	ac40	5190	Ant1	38.286
NVNT	ac40	5230	Ant1	37.839
NVNT	ac80	5210	Ant1	76.708
NVNT	n20	5180	Ant1	18.814
NVNT	n20	5200	Ant1	18.97
NVNT	n20	5240	Ant1	18.607
NVNT	n40	5190	Ant1	38.591
NVNT	n40	5230	Ant1	38.393

Test Graphs

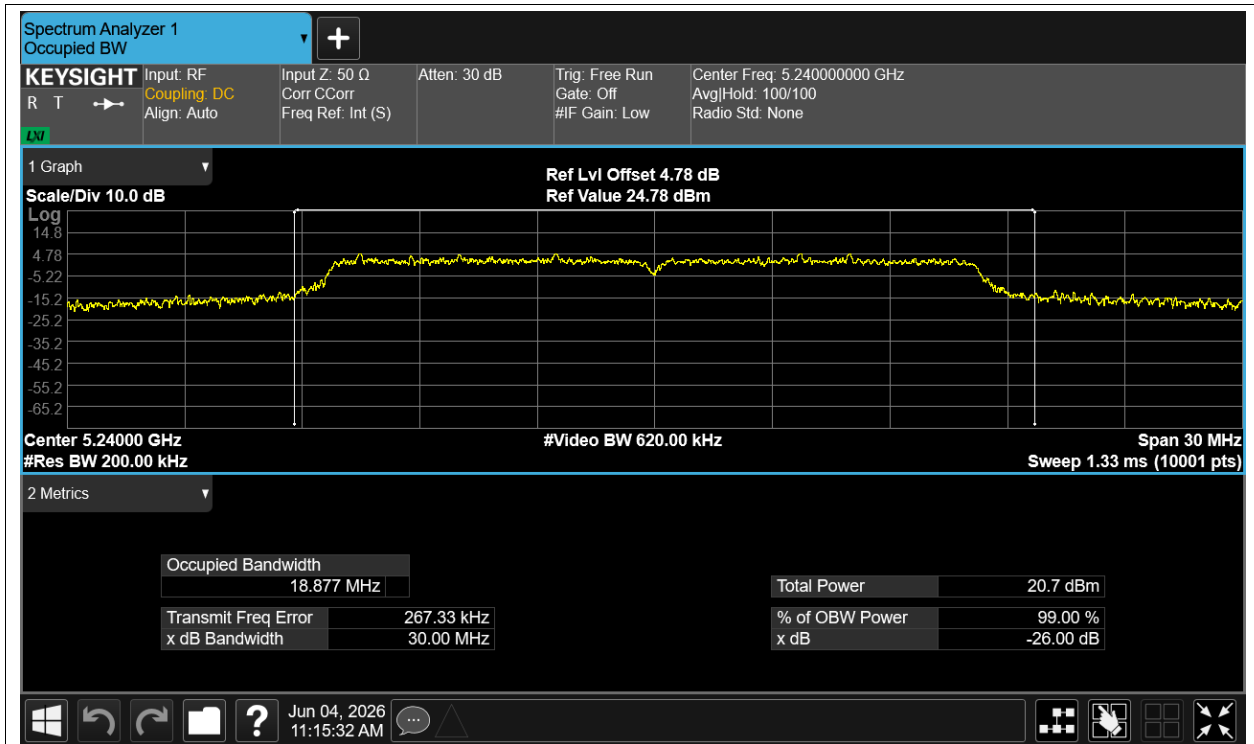
OBW NVNT a 5180MHz Ant1



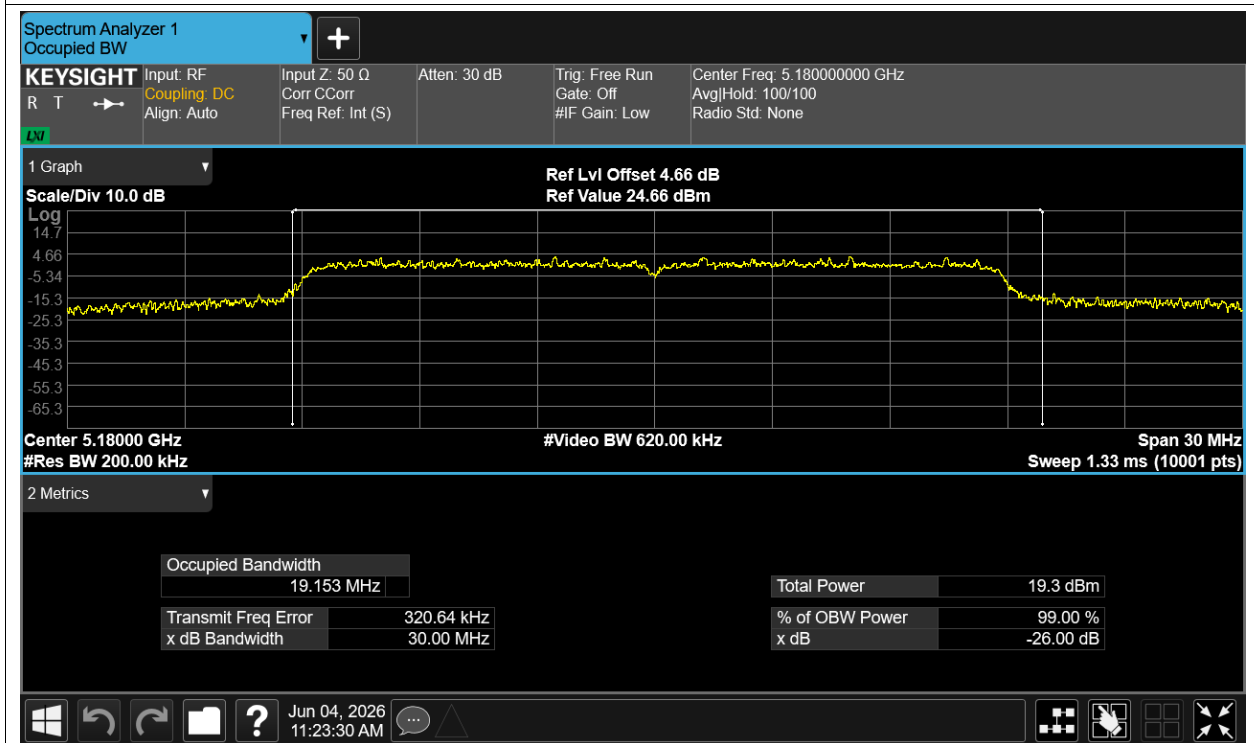
OBW NVNT a 5200MHz Ant1



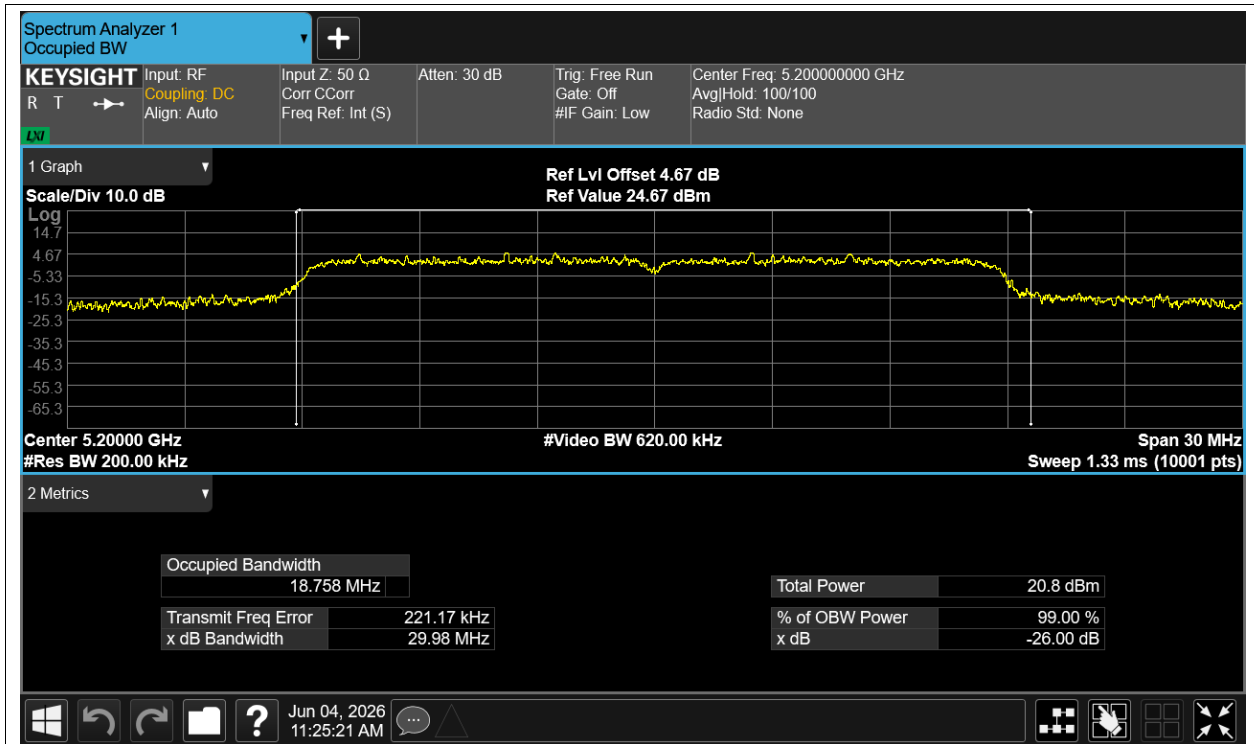
OBW NVNT a 5240MHz Ant1



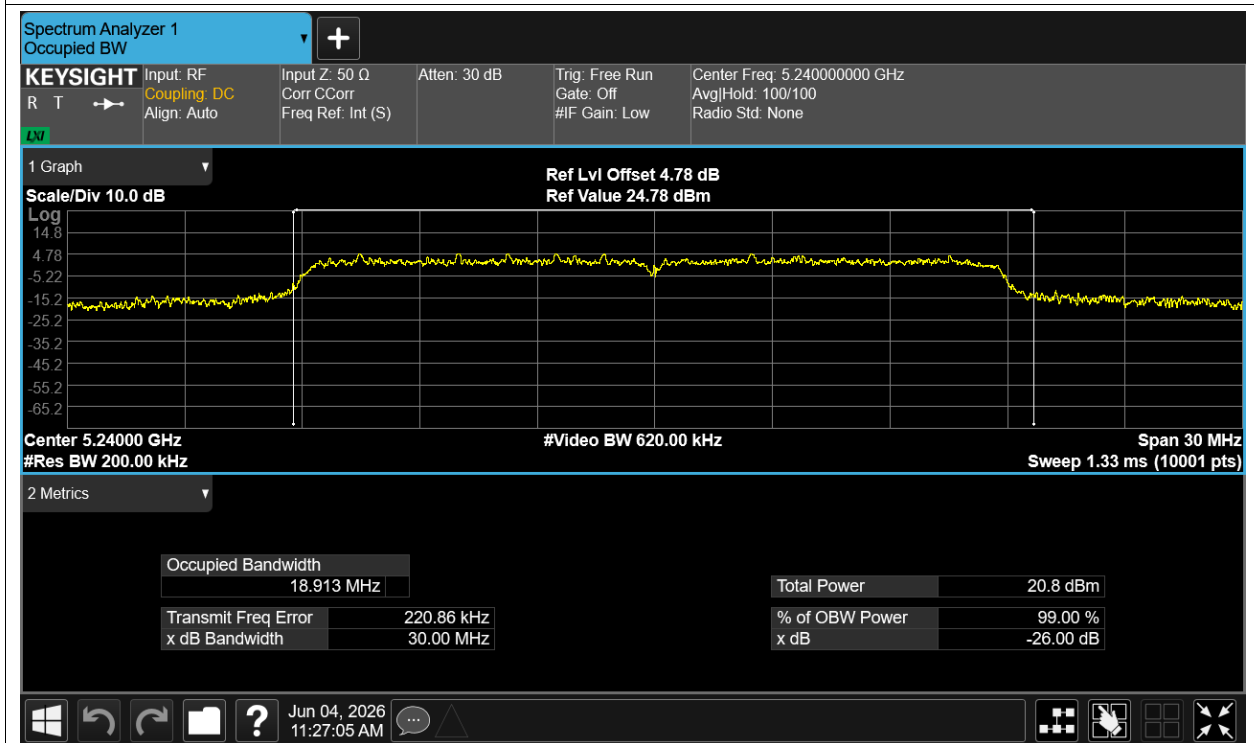
OBW NVNT ac20 5180MHz Ant1



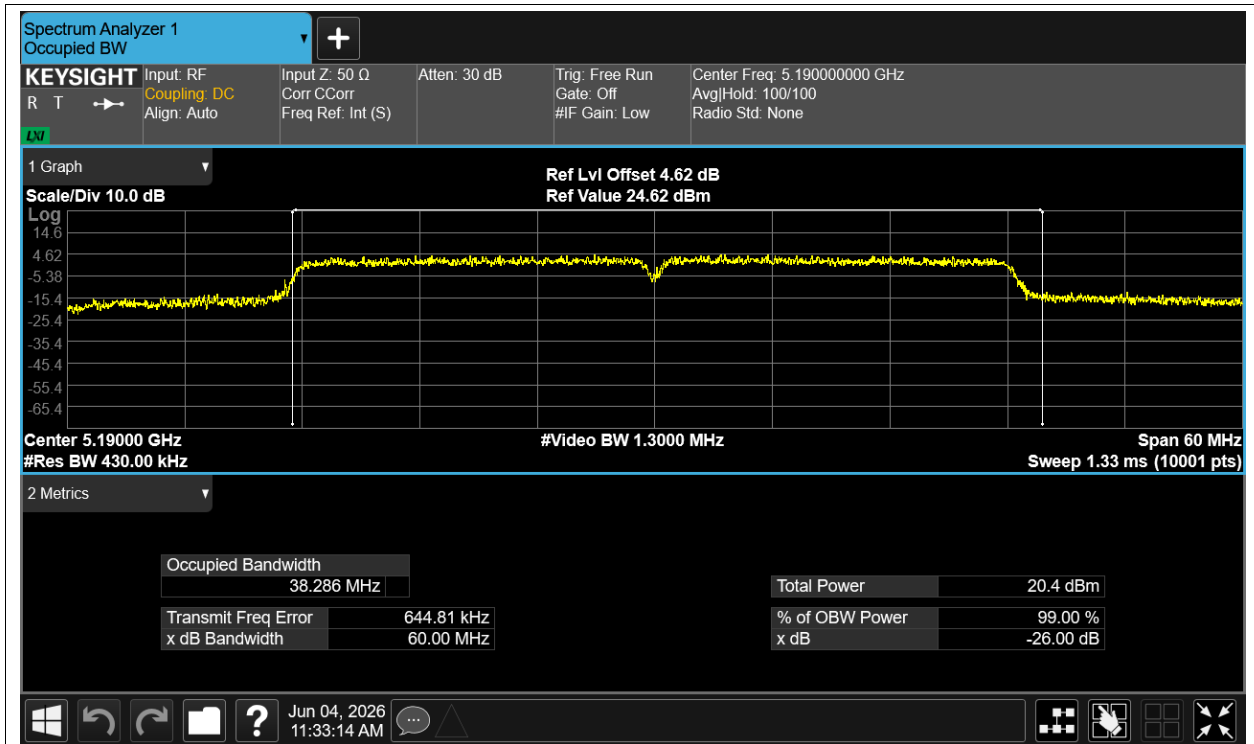
OBW NVNT ac20 5200MHz Ant1



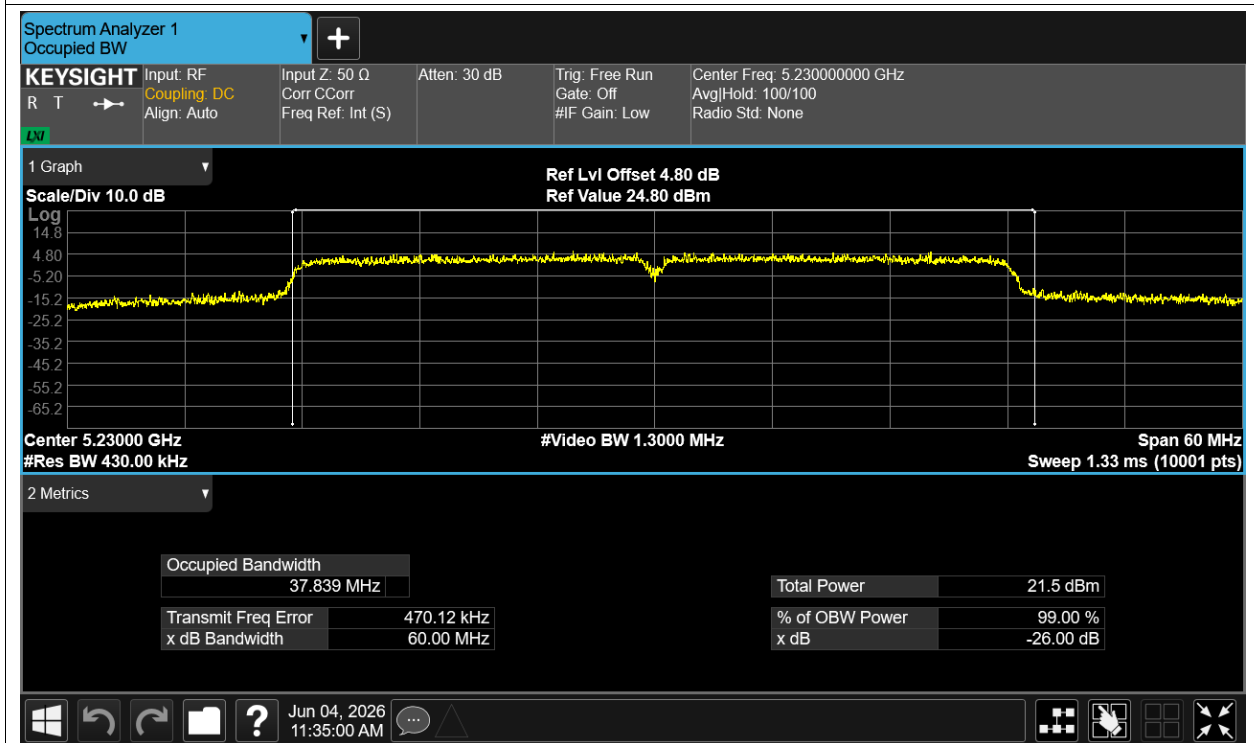
OBW NVNT ac20 5240MHz Ant1



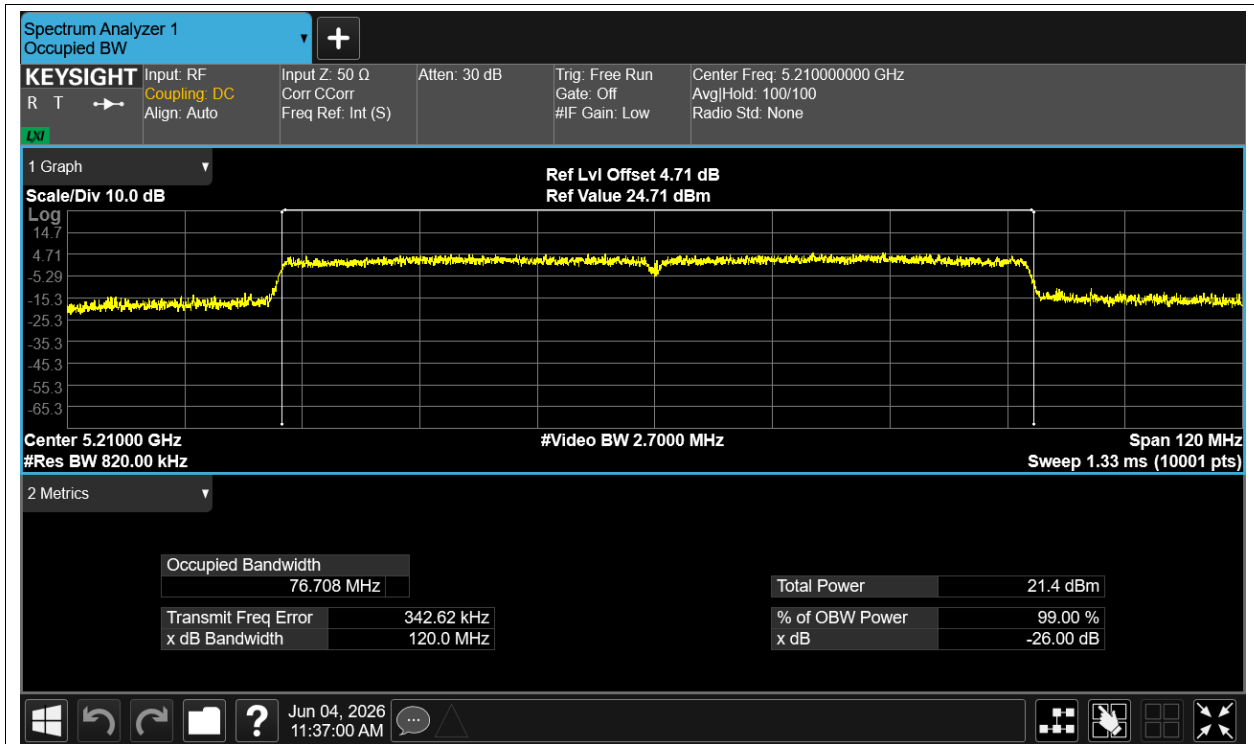
OBW NVNT ac40 5190MHz Ant1



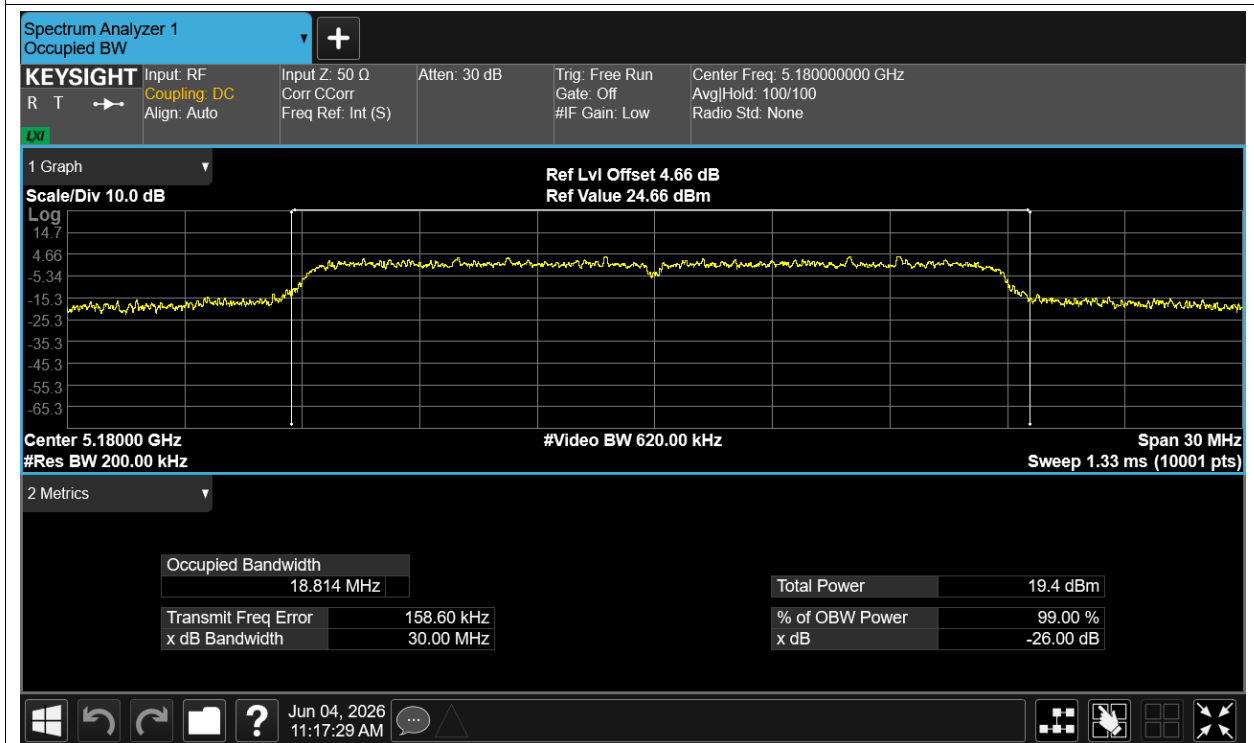
OBW NVNT ac40 5230MHz Ant1



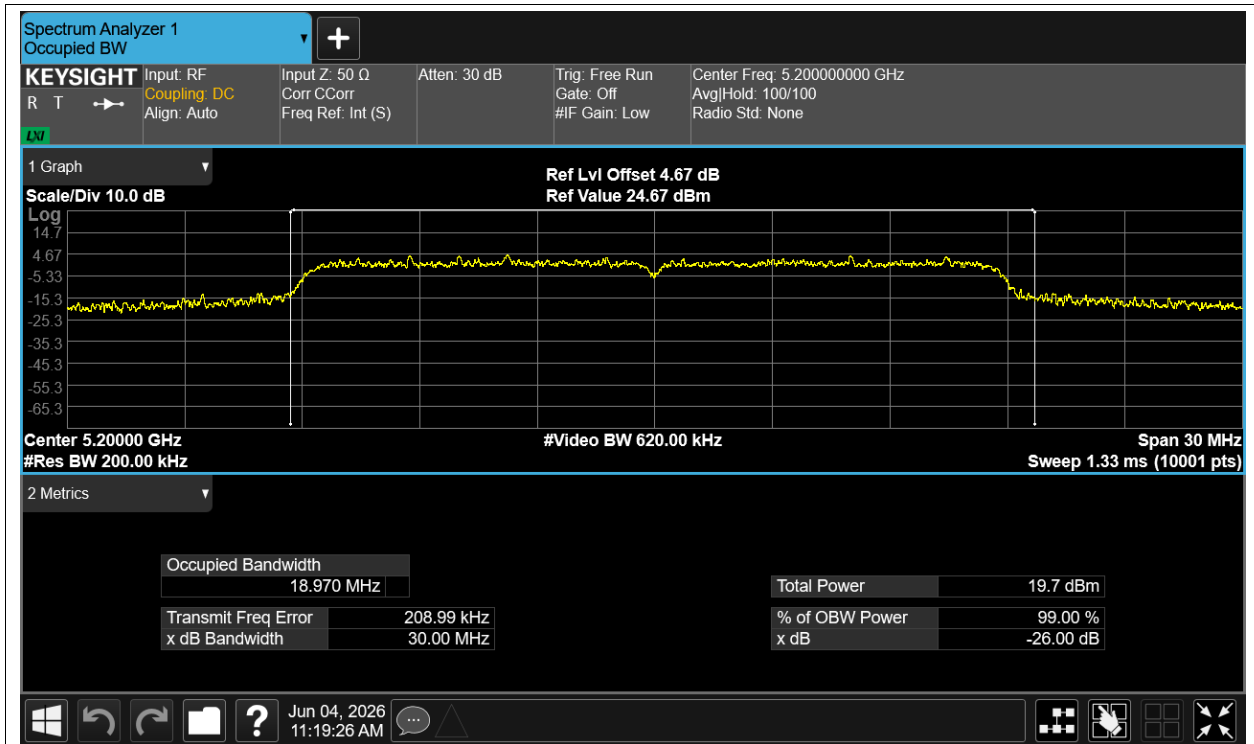
OBW NVNT ac80 5210MHz Ant1



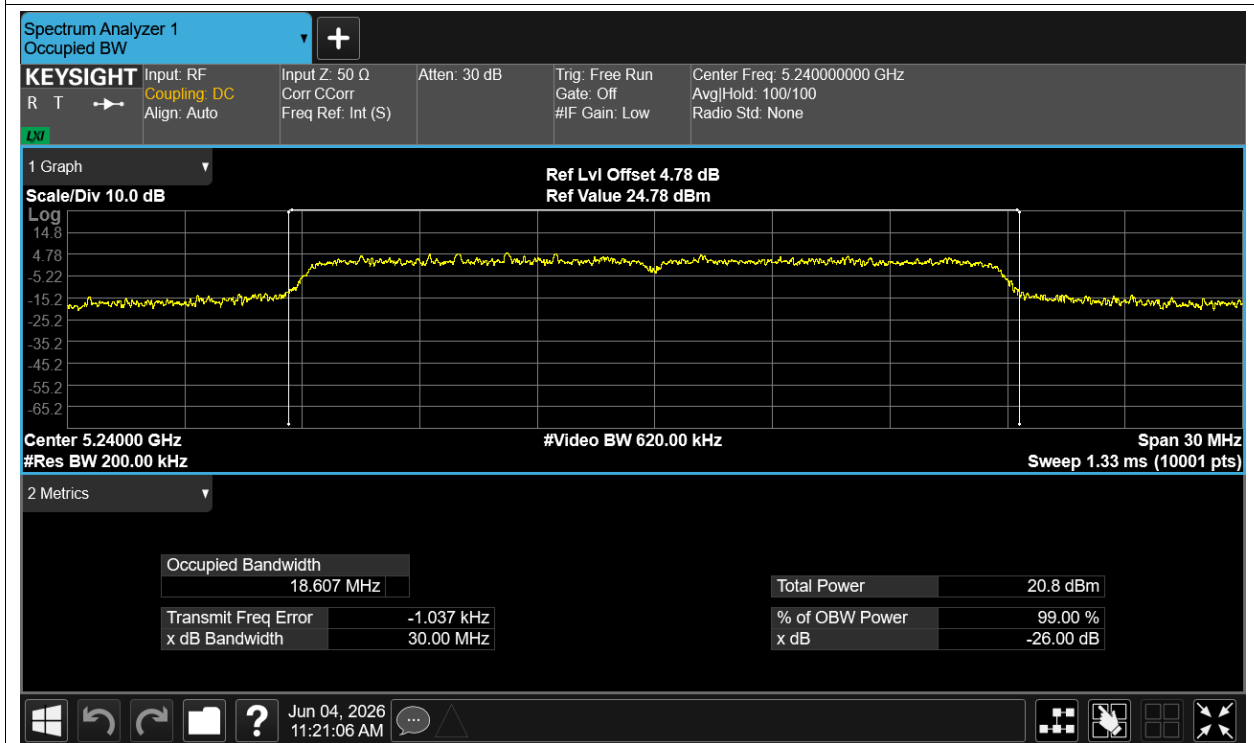
OBW NVNT n20 5180MHz Ant1



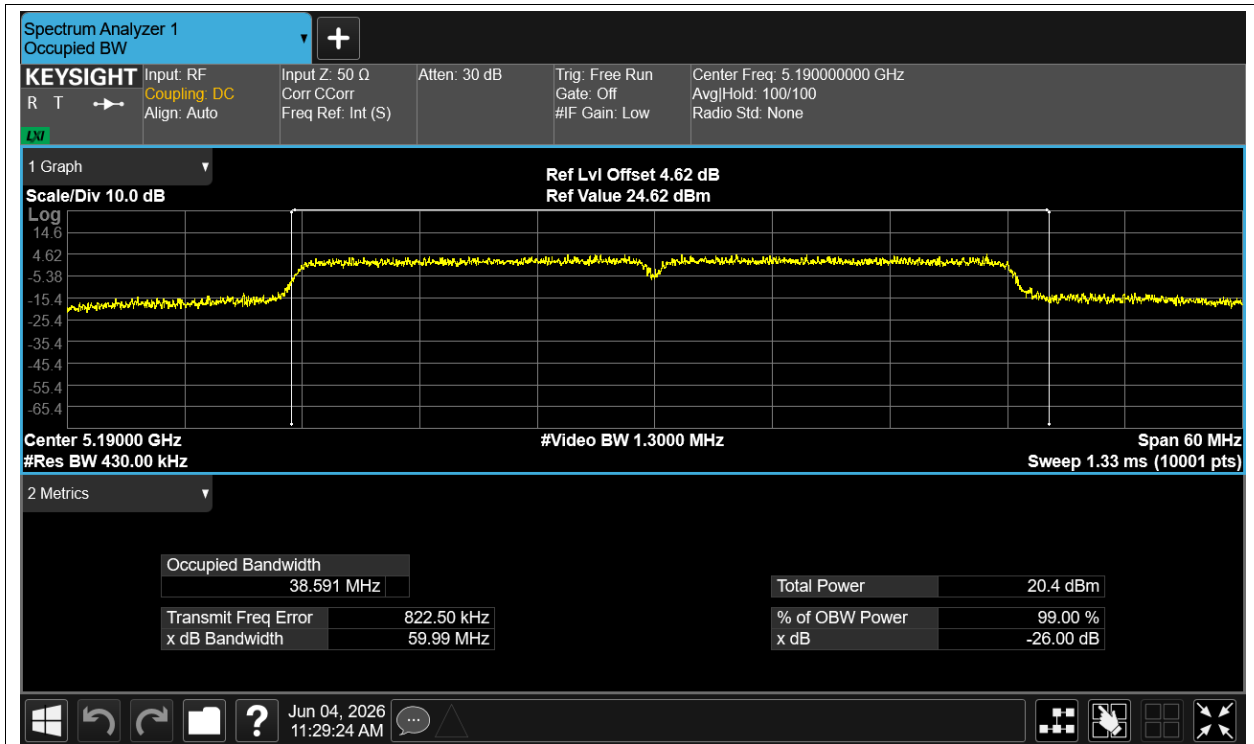
OBW NVNT n20 5200MHz Ant1



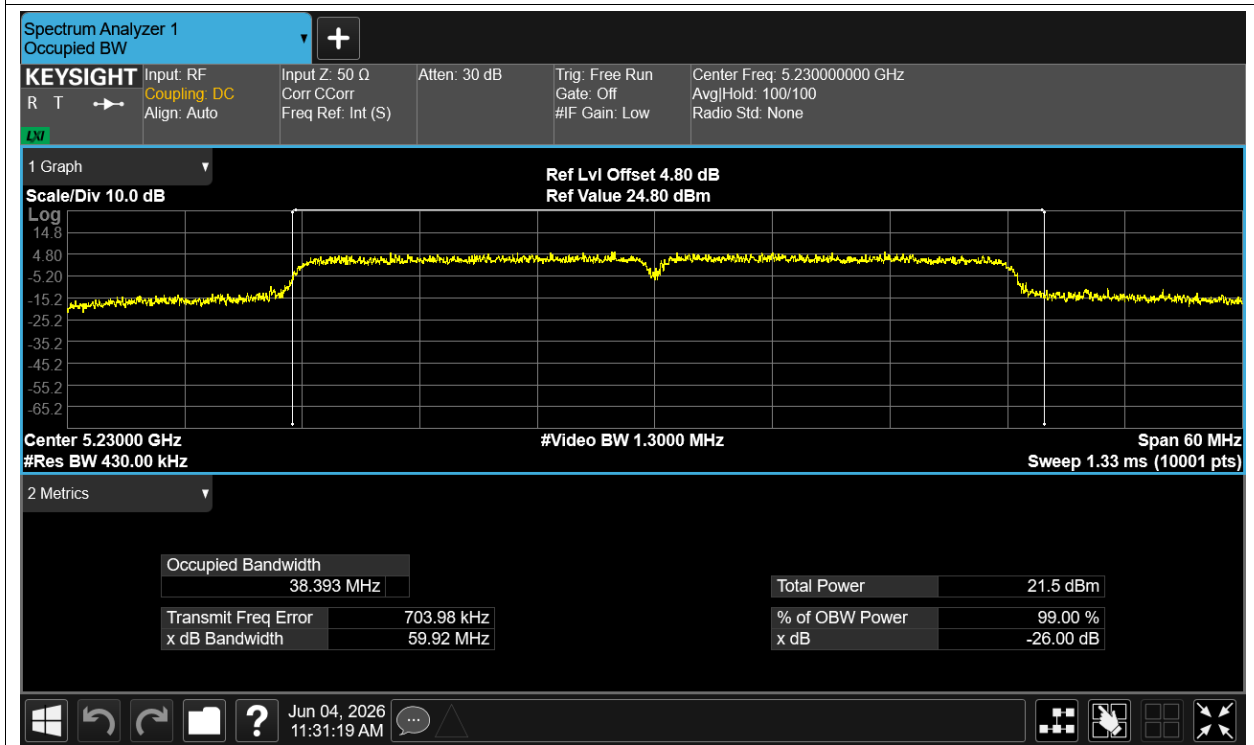
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

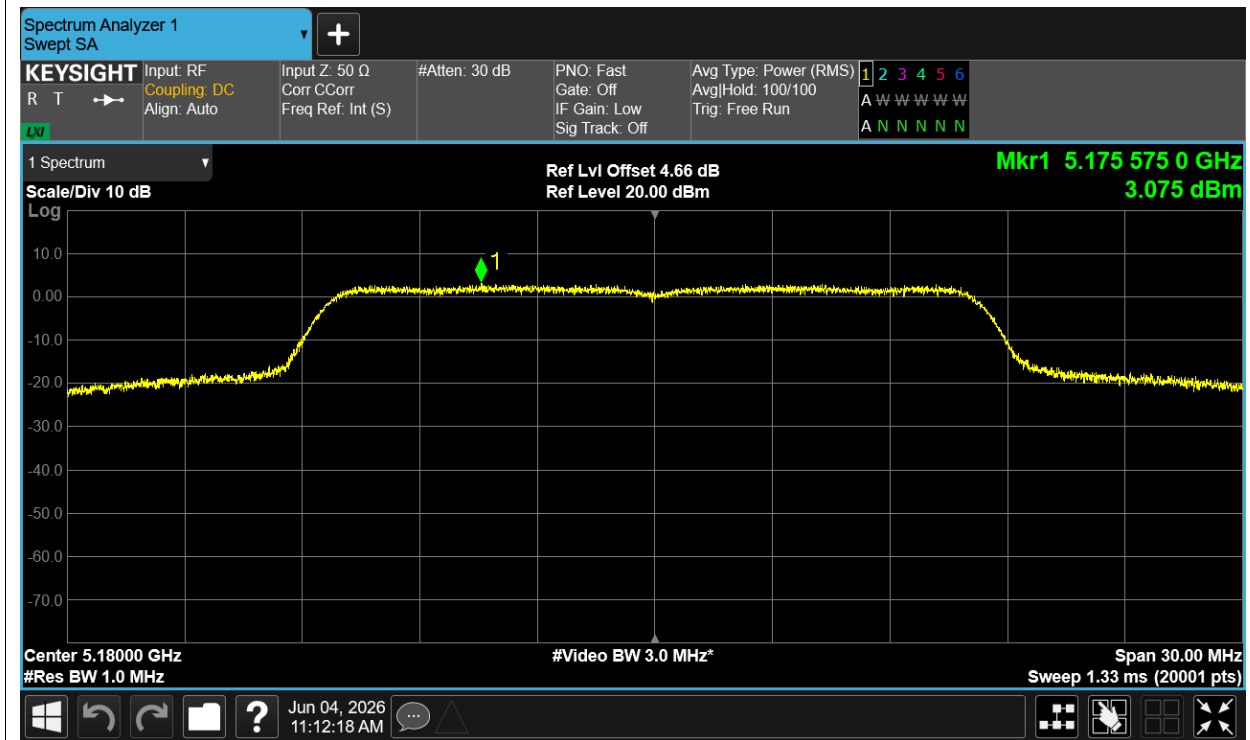


Maximum Power Spectral Density Level

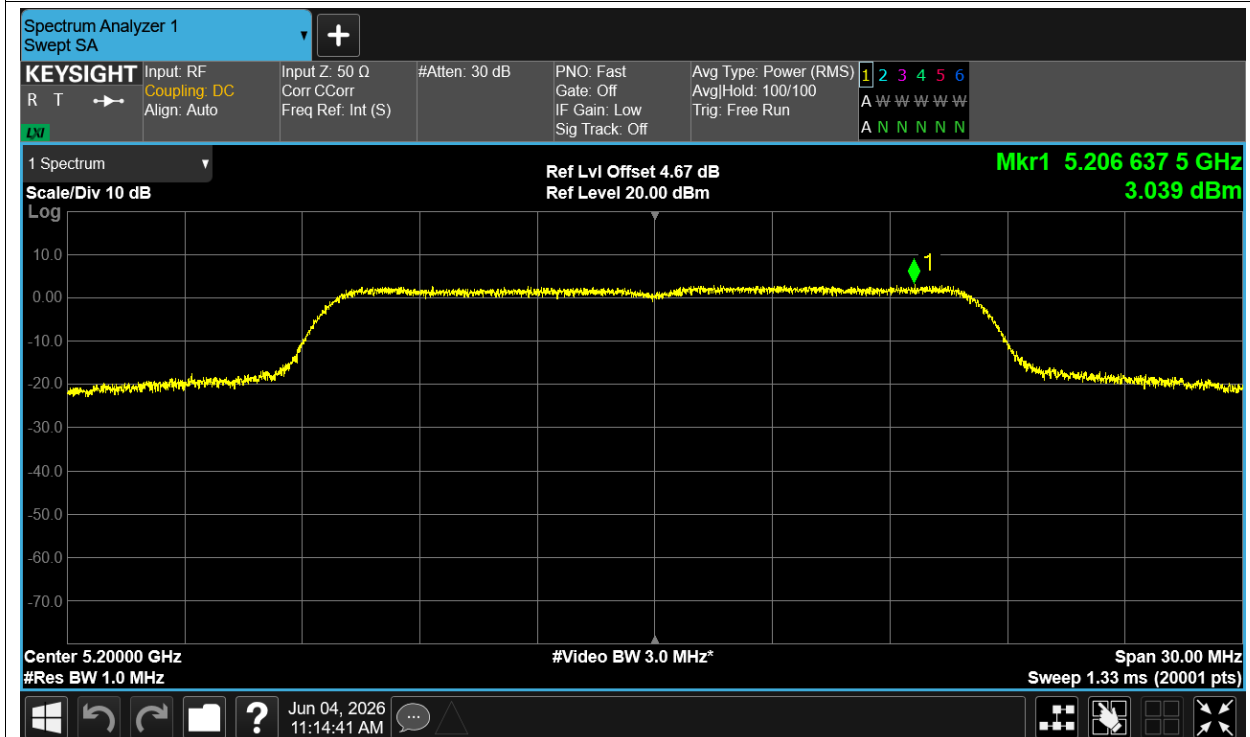
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	3.075	11	Pass
NVNT	a	5200	Ant1	3.039	11	Pass
NVNT	a	5240	Ant1	3.882	11	Pass
NVNT	ac20	5180	Ant1	2.451	11	Pass
NVNT	ac20	5200	Ant1	3.909	11	Pass
NVNT	ac20	5240	Ant1	3.86	11	Pass
NVNT	ac40	5190	Ant1	0.316	11	Pass
NVNT	ac40	5230	Ant1	1.347	11	Pass
NVNT	ac80	5210	Ant1	-3.351	11	Pass
NVNT	n20	5180	Ant1	2.461	11	Pass
NVNT	n20	5200	Ant1	2.834	11	Pass
NVNT	n20	5240	Ant1	3.881	11	Pass
NVNT	n40	5190	Ant1	0.154	11	Pass
NVNT	n40	5230	Ant1	1.213	11	Pass

Test Graphs

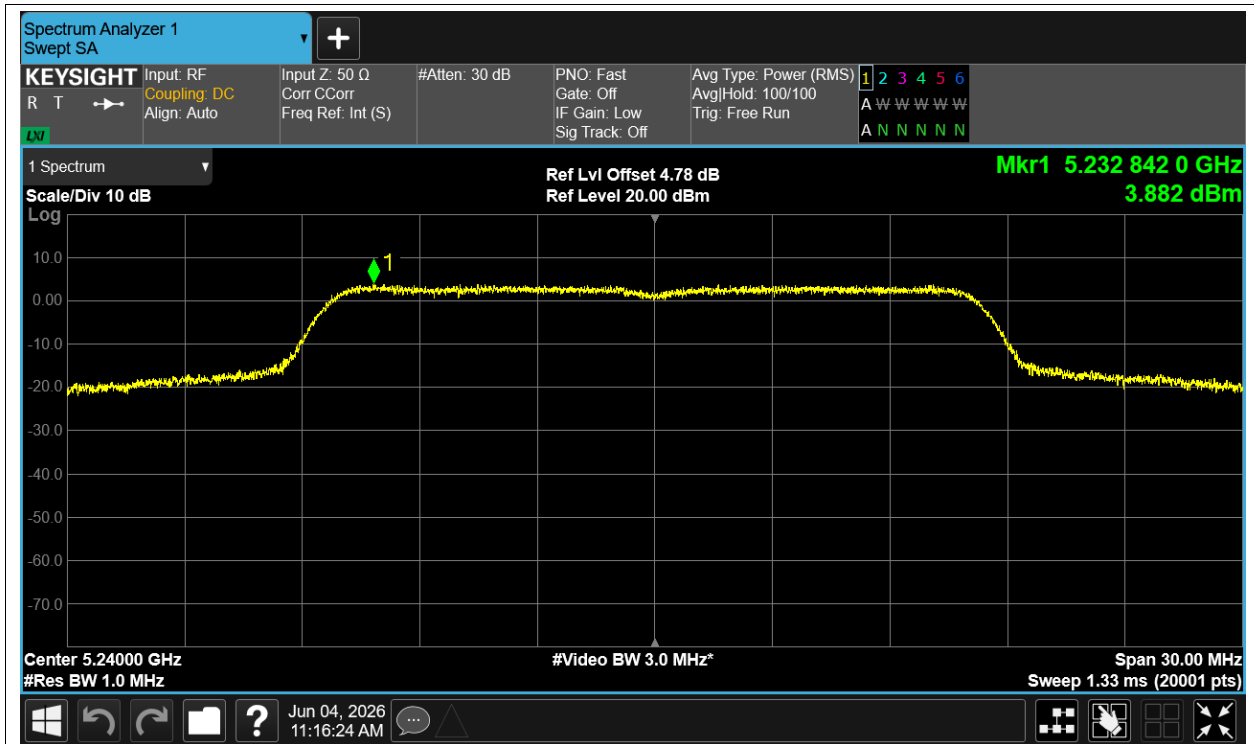
PSD NVNT a 5180MHz Ant1



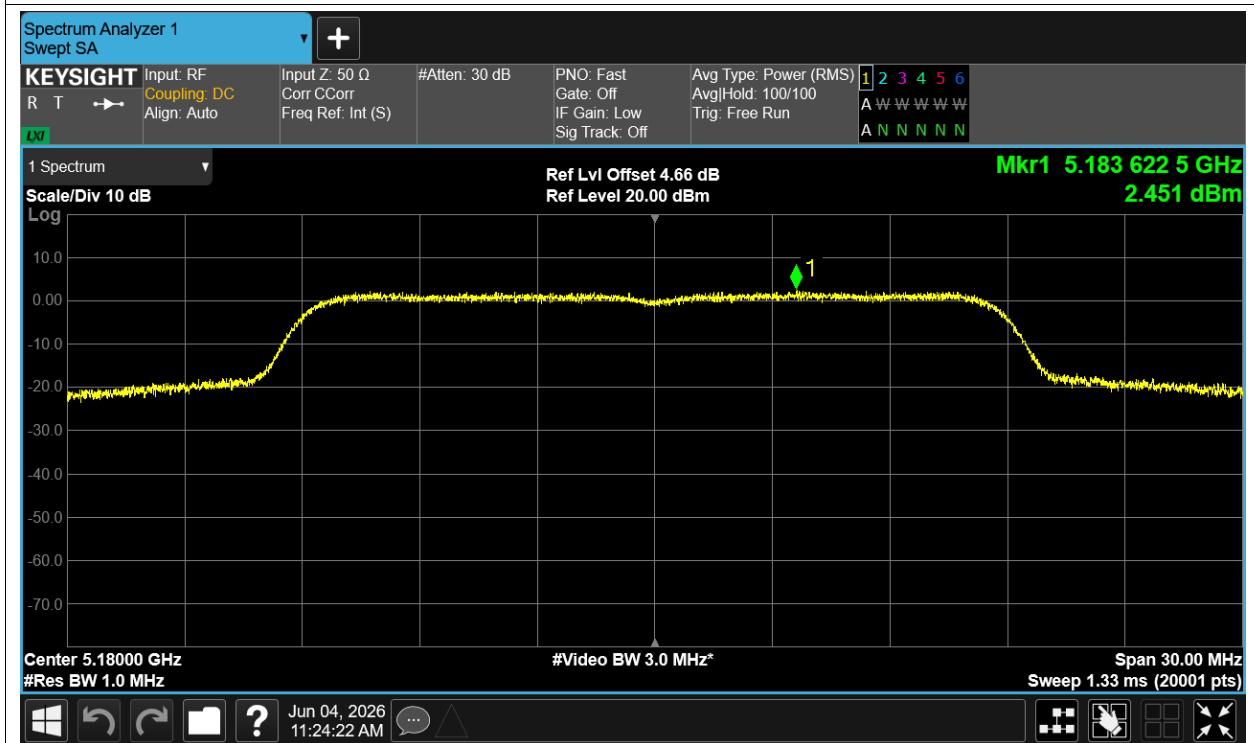
PSD NVNT a 5200MHz Ant1



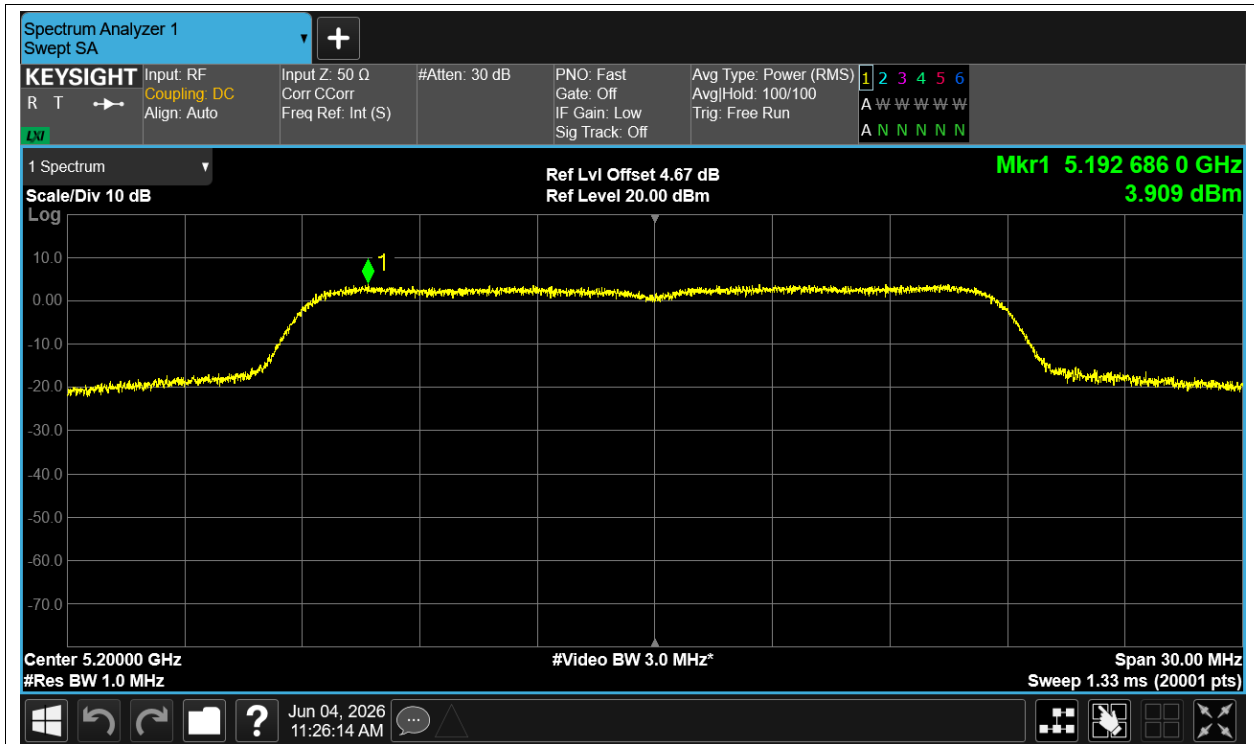
PSD NVNT a 5240MHz Ant1



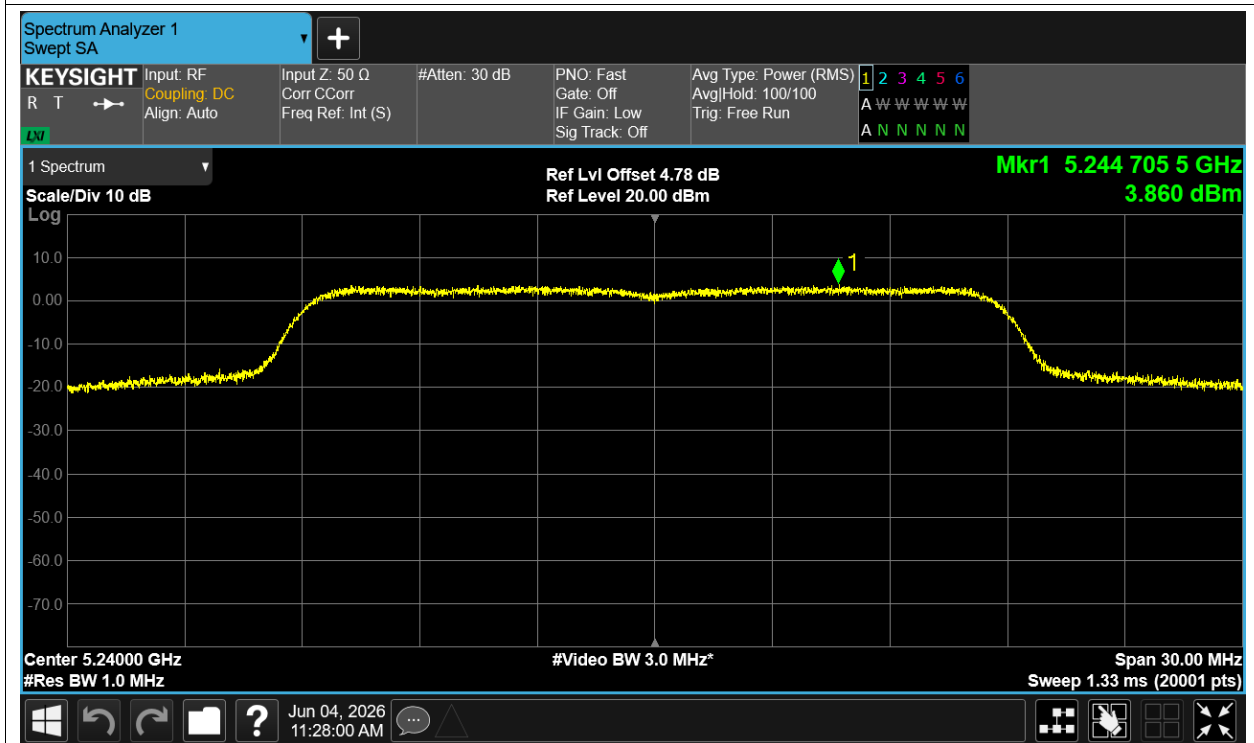
PSD NVNT ac20 5180MHz Ant1



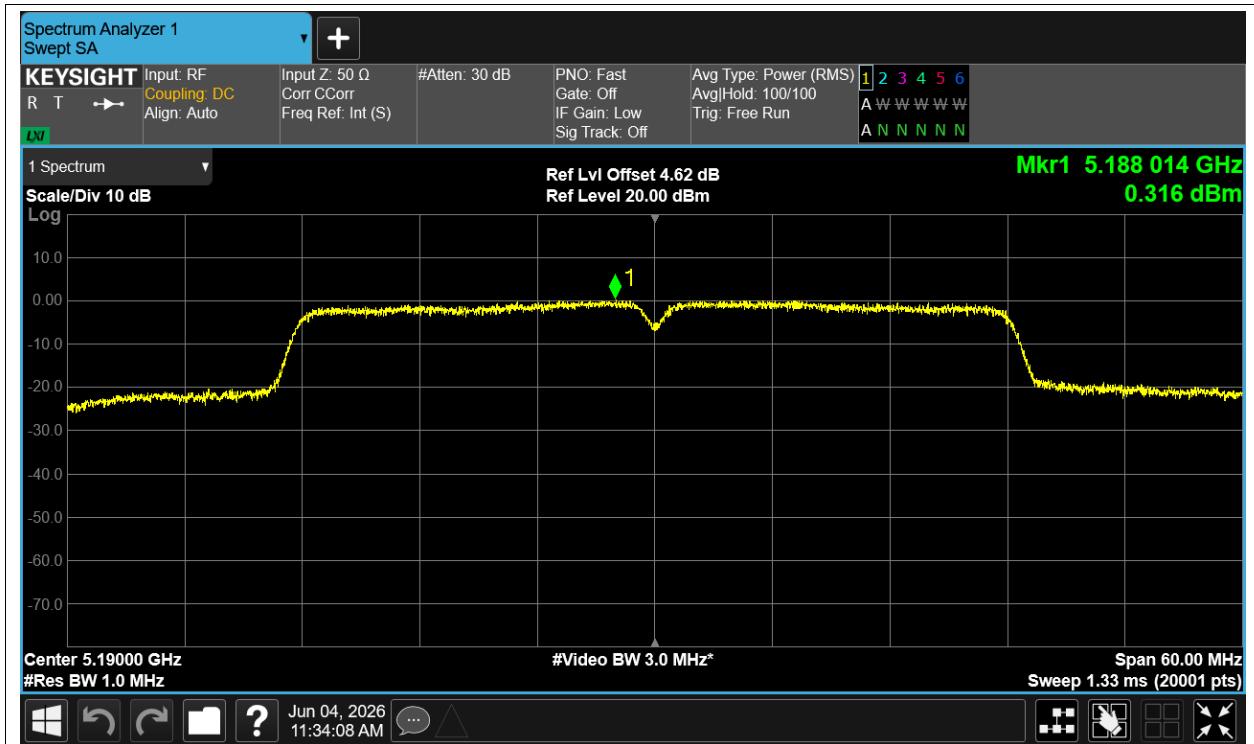
PSD NVNT ac20 5200MHz Ant1



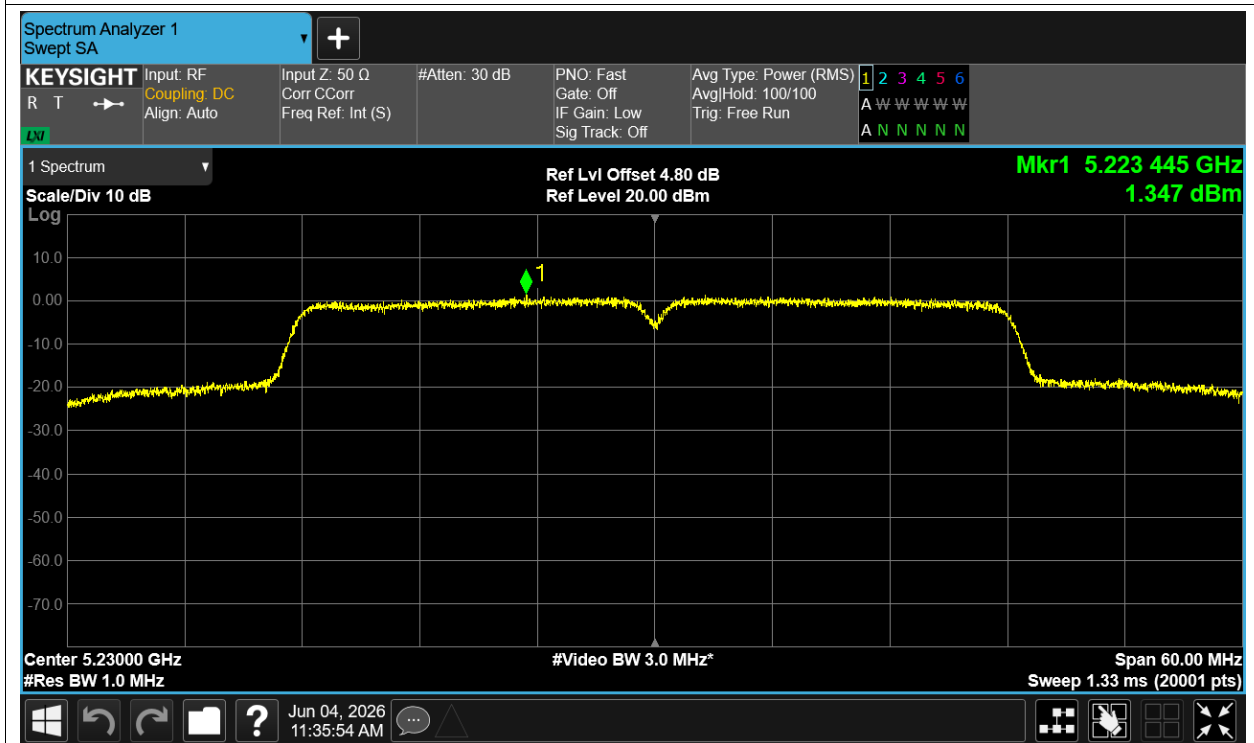
PSD NVNT ac20 5240MHz Ant1



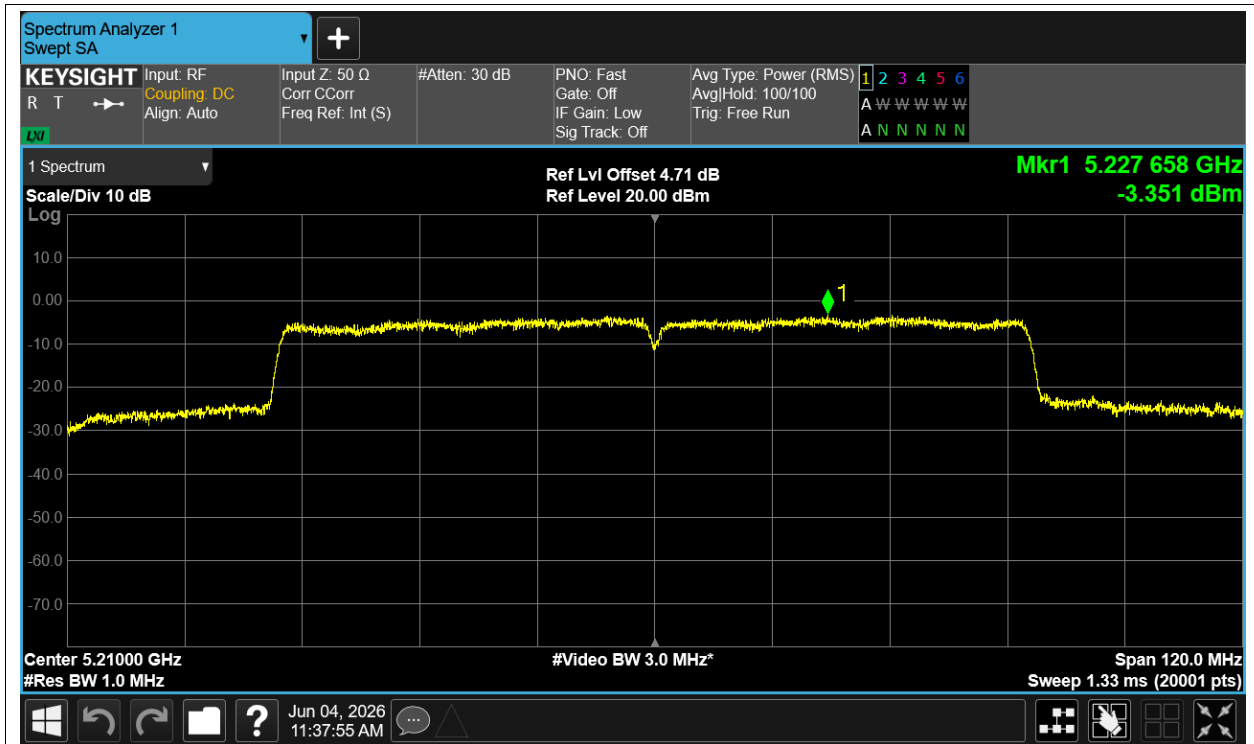
PSD NVNT ac40 5190MHz Ant1



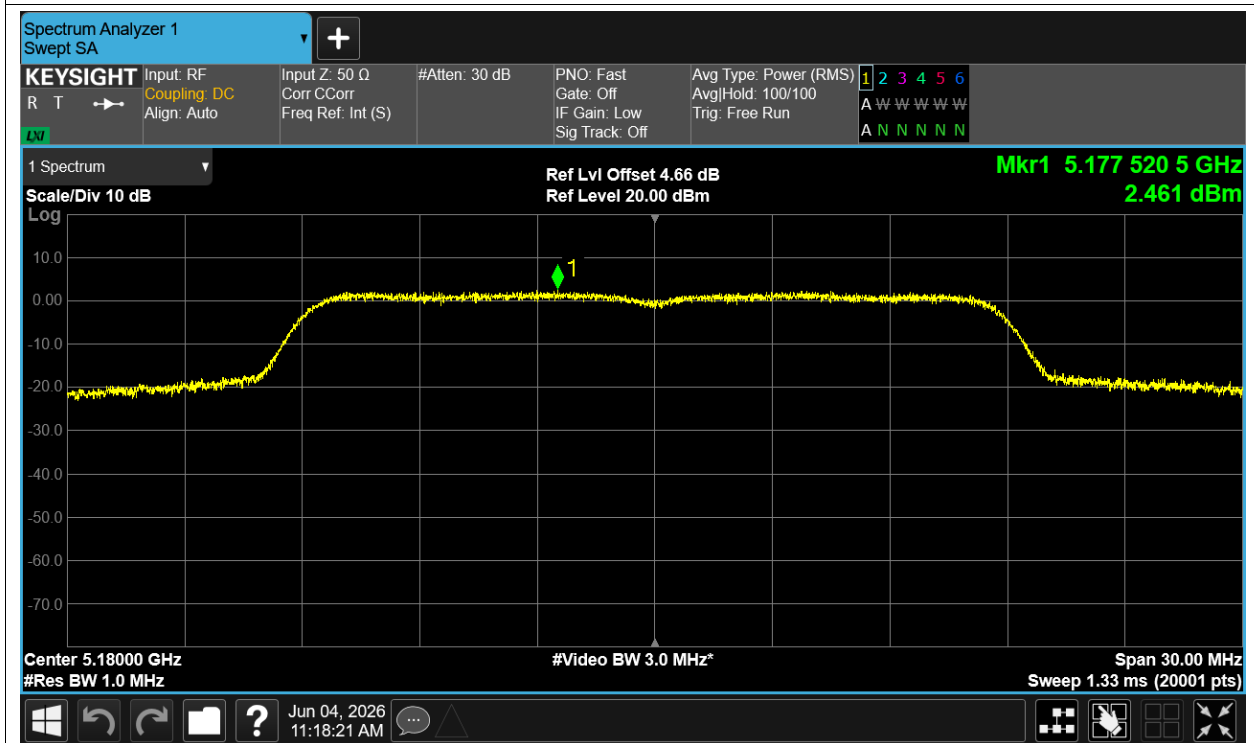
PSD NVNT ac40 5230MHz Ant1



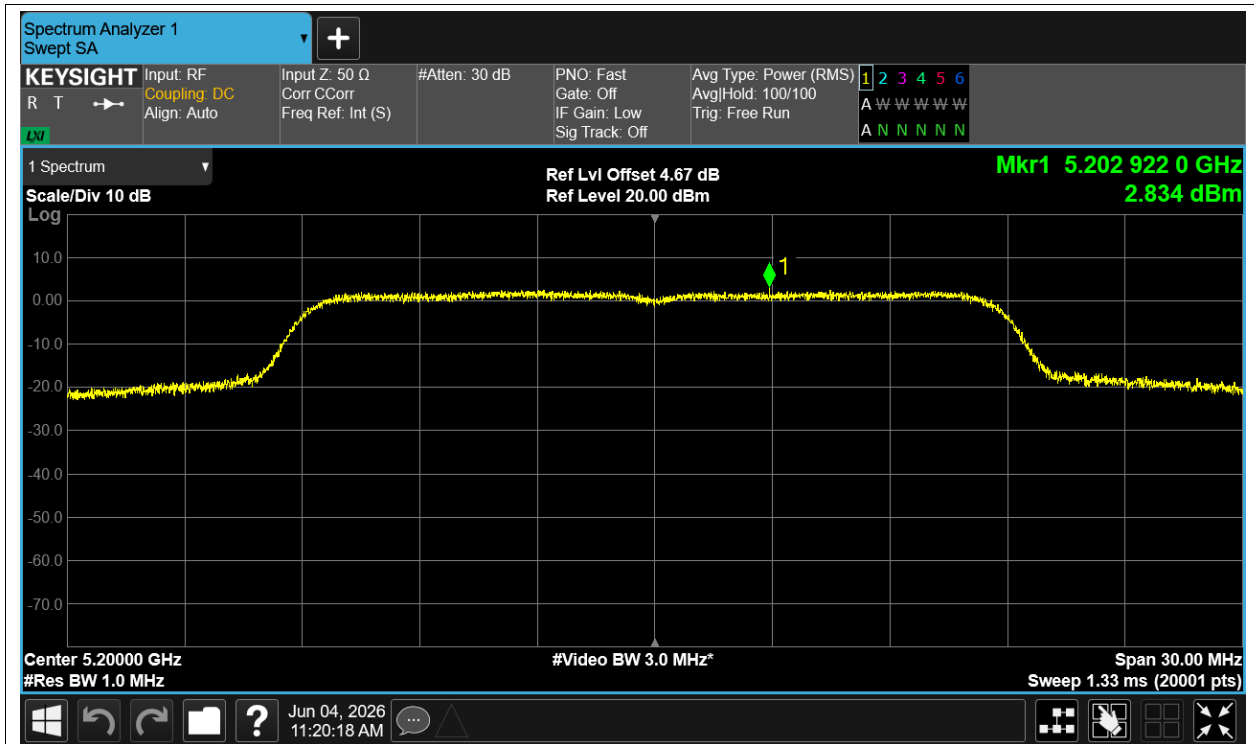
PSD NVNT ac80 5210MHz Ant1



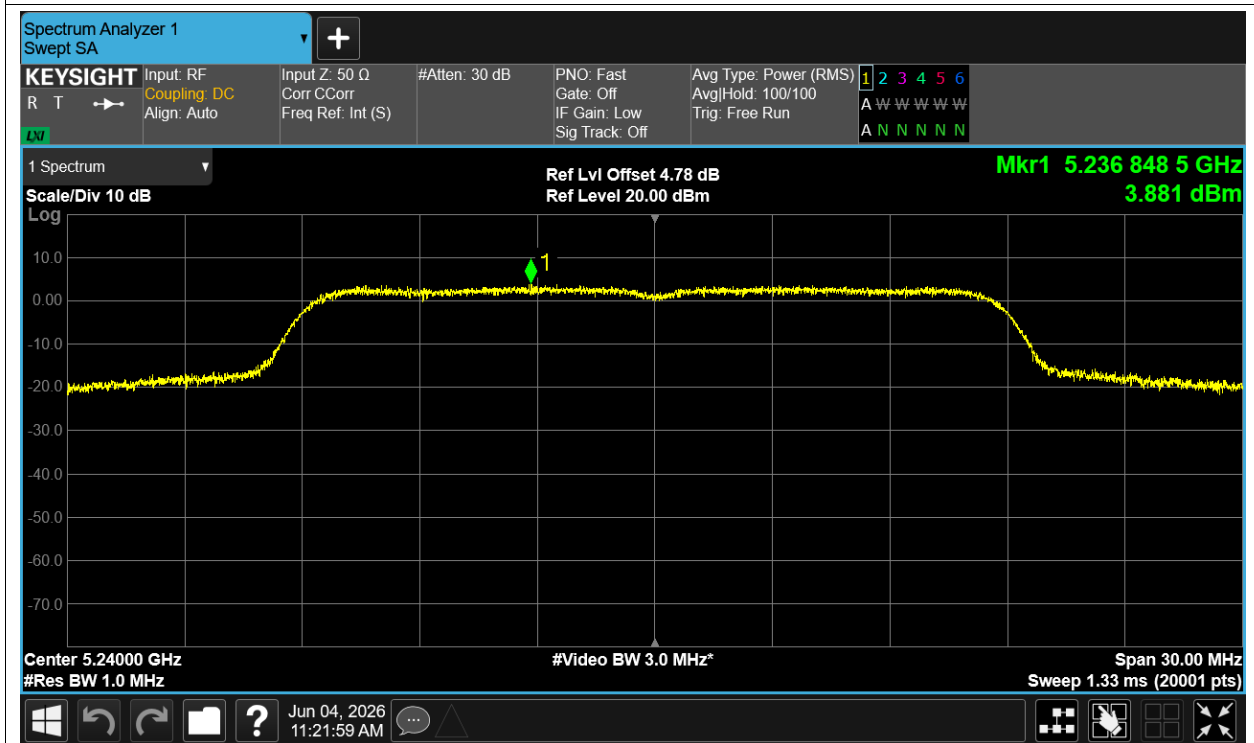
PSD NVNT n20 5180MHz Ant1



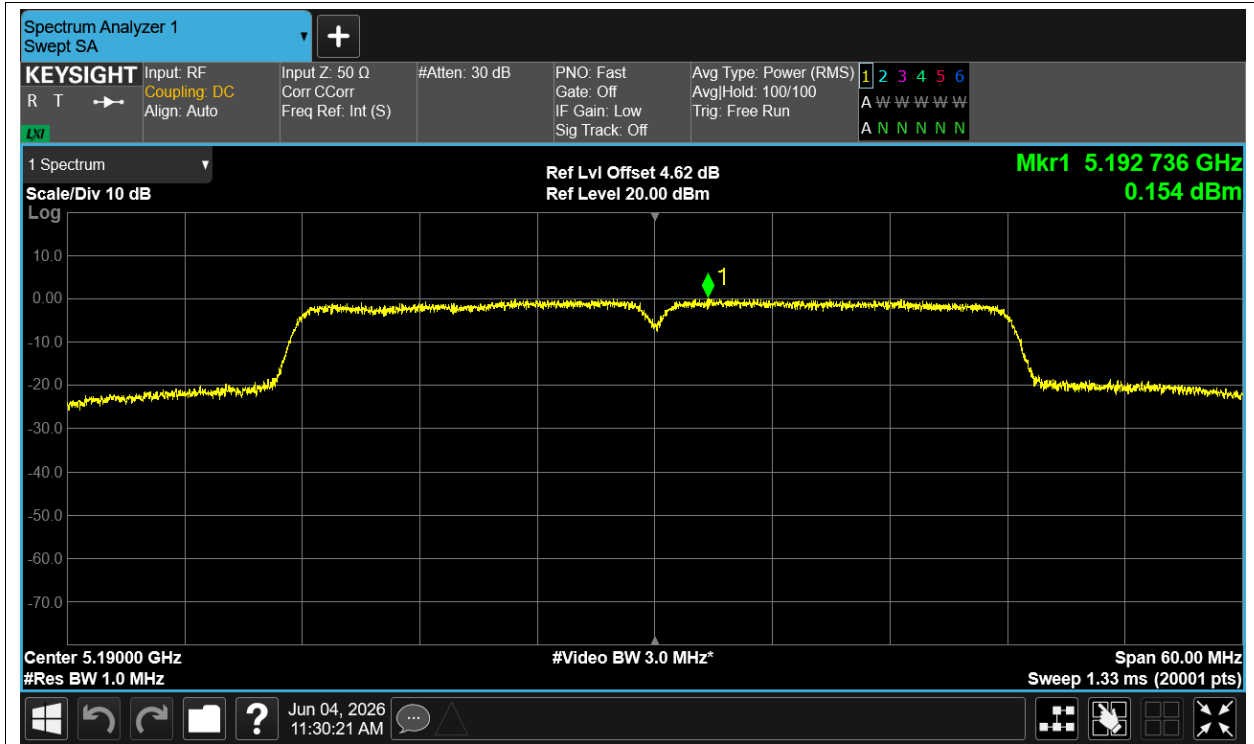
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

