

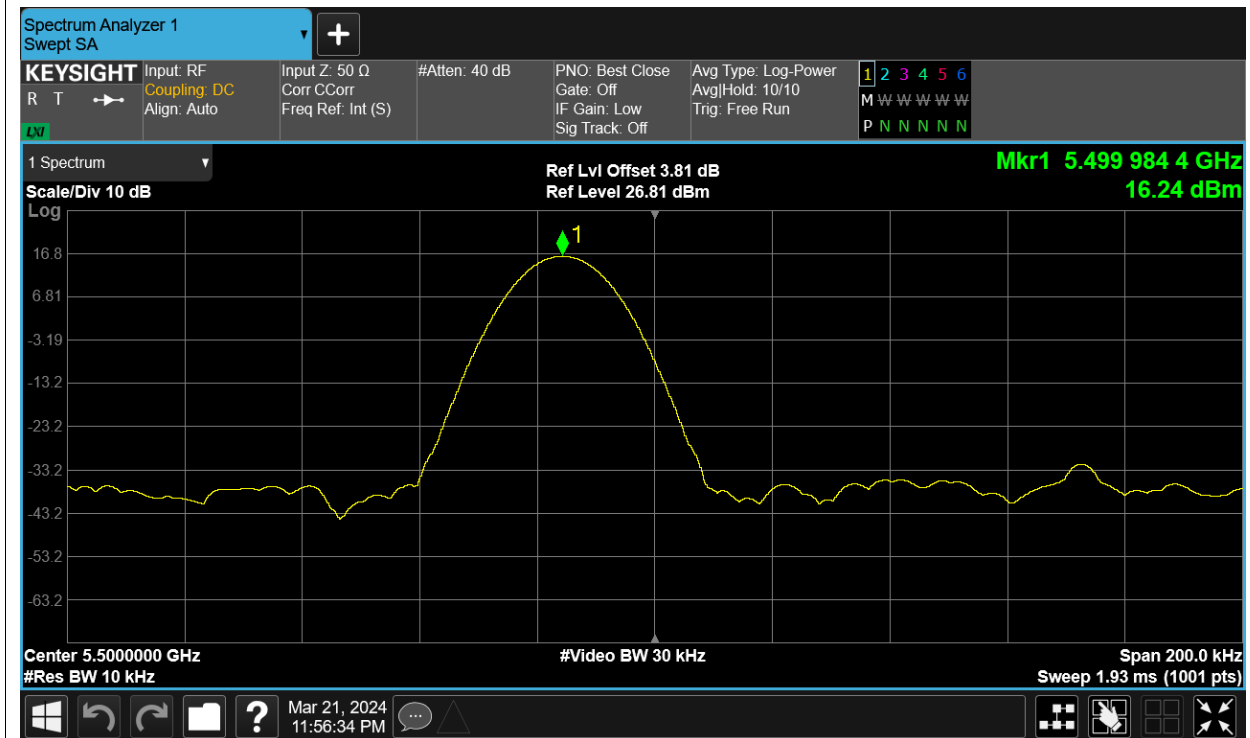
Test Data

Frequency Stability

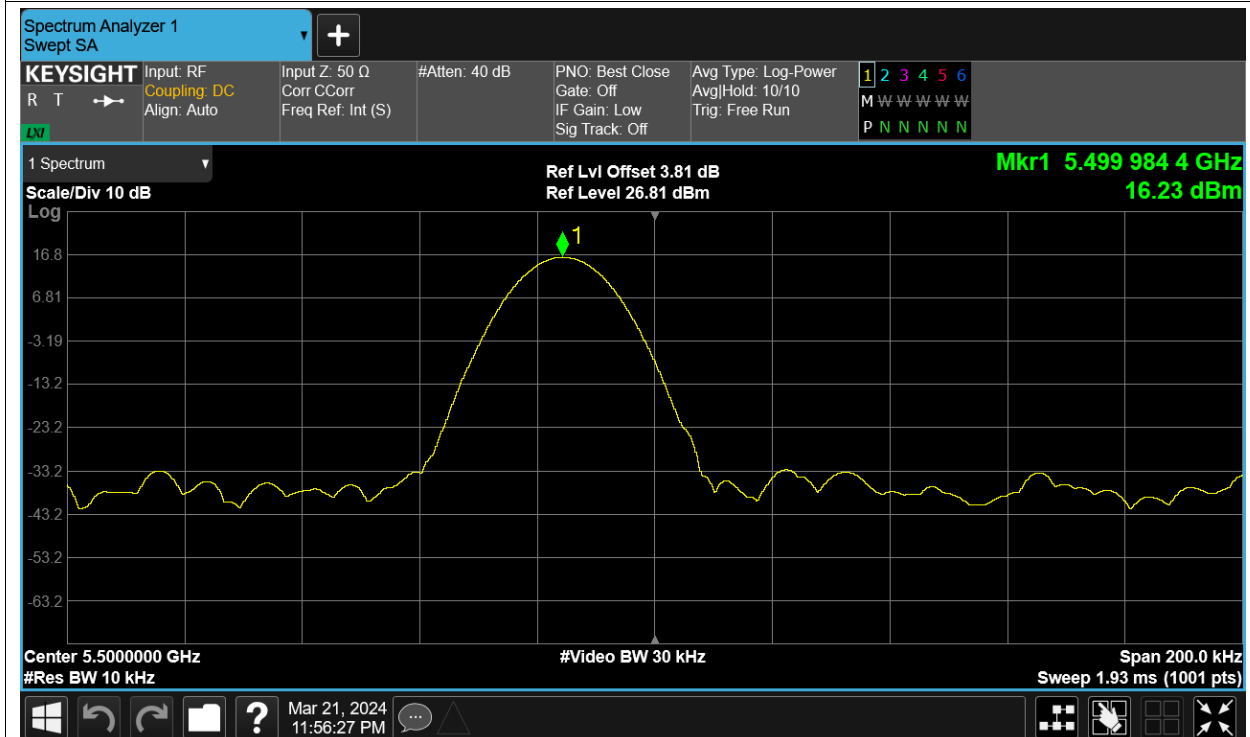
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant4	5499.9844	-2.84	Within authorized band	Pass
LVNT	a	5500	Ant4	5499.9844	-2.84		Pass
NVHT	a	5500	Ant4	5499.9844	-2.84		Pass
NVLT	a	5500	Ant4	5499.9846	-2.8		Pass
NVNT	a	5500	Ant4	5499.9848	-2.76		Pass
HVNT	ac80	5530	Ant4	5529.9872	-2.31		Pass
LVNT	ac80	5530	Ant4	5529.9872	-2.31		Pass
NVHT	ac80	5530	Ant4	5529.9874	-2.28		Pass
NVLT	ac80	5530	Ant4	5529.9878	-2.21		Pass
NVNT	ac80	5530	Ant4	5529.9884	-2.1		Pass
HVNT	n40	5510	Ant4	5509.9866	-2.43		Pass
LVNT	n40	5510	Ant4	5509.9866	-2.43		Pass
NVHT	n40	5510	Ant4	5509.9868	-2.4		Pass
NVLT	n40	5510	Ant4	5509.9868	-2.4		Pass
NVNT	n40	5510	Ant4	5509.9868	-2.4		Pass
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.							

Test Graphs

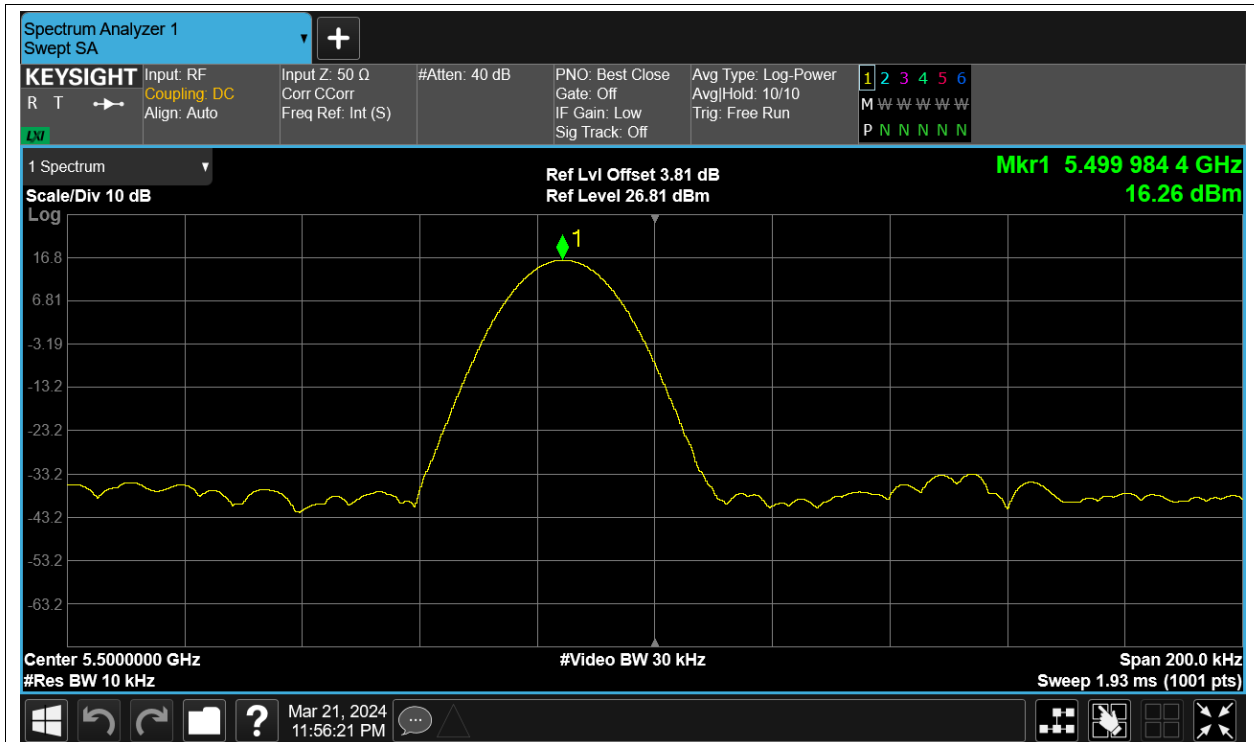
Freq. Stability HVNT a 5500MHz Ant4



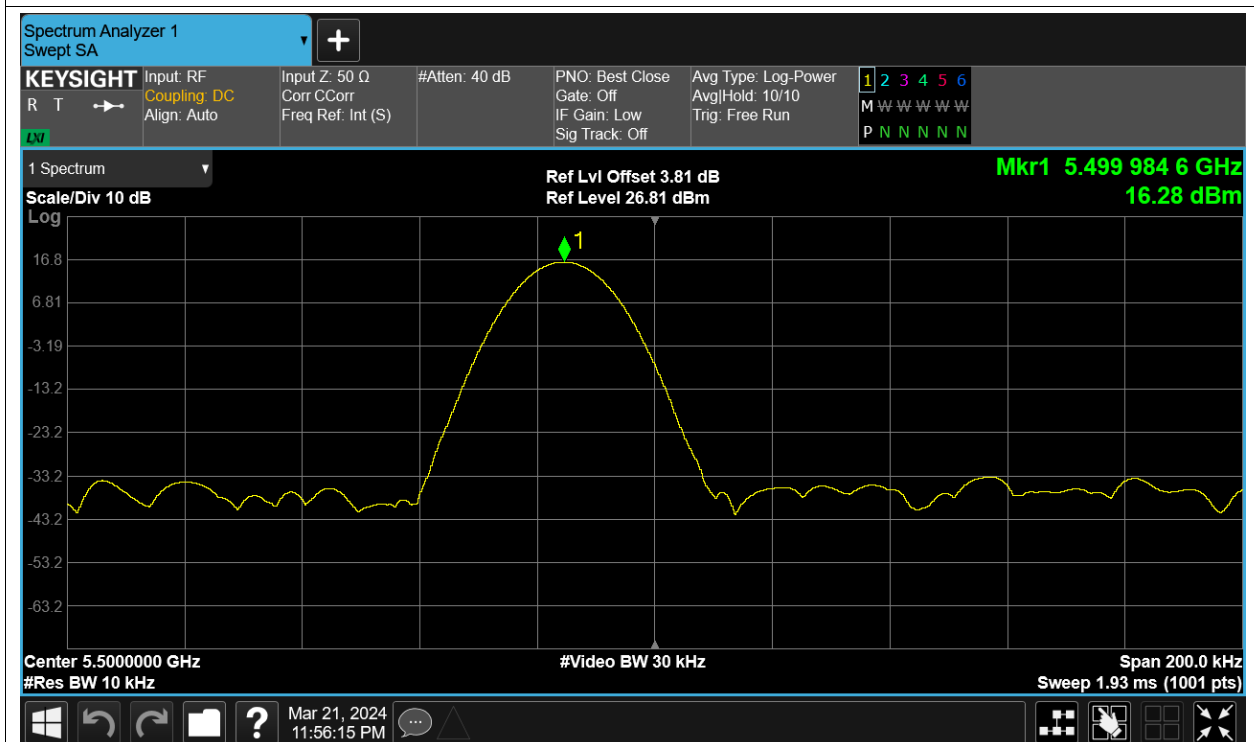
Freq. Stability LVNT a 5500MHz Ant4



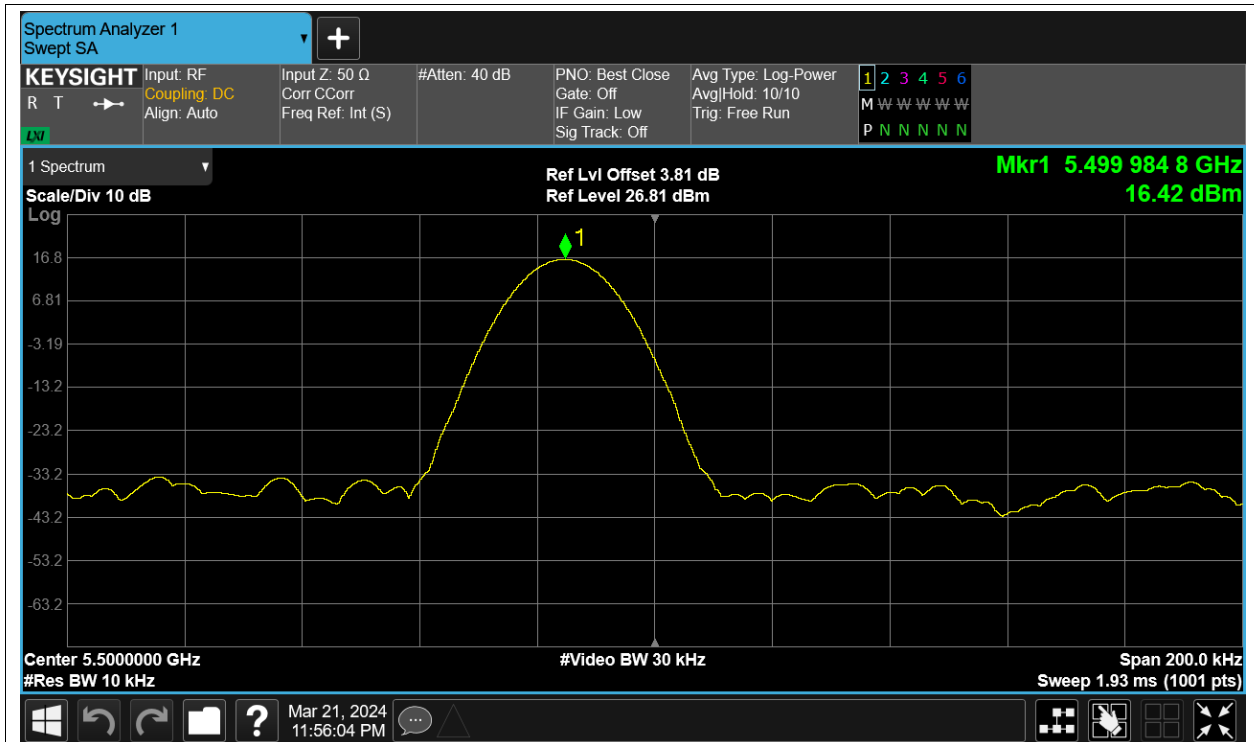
Freq. Stability NVHT a 5500MHz Ant4



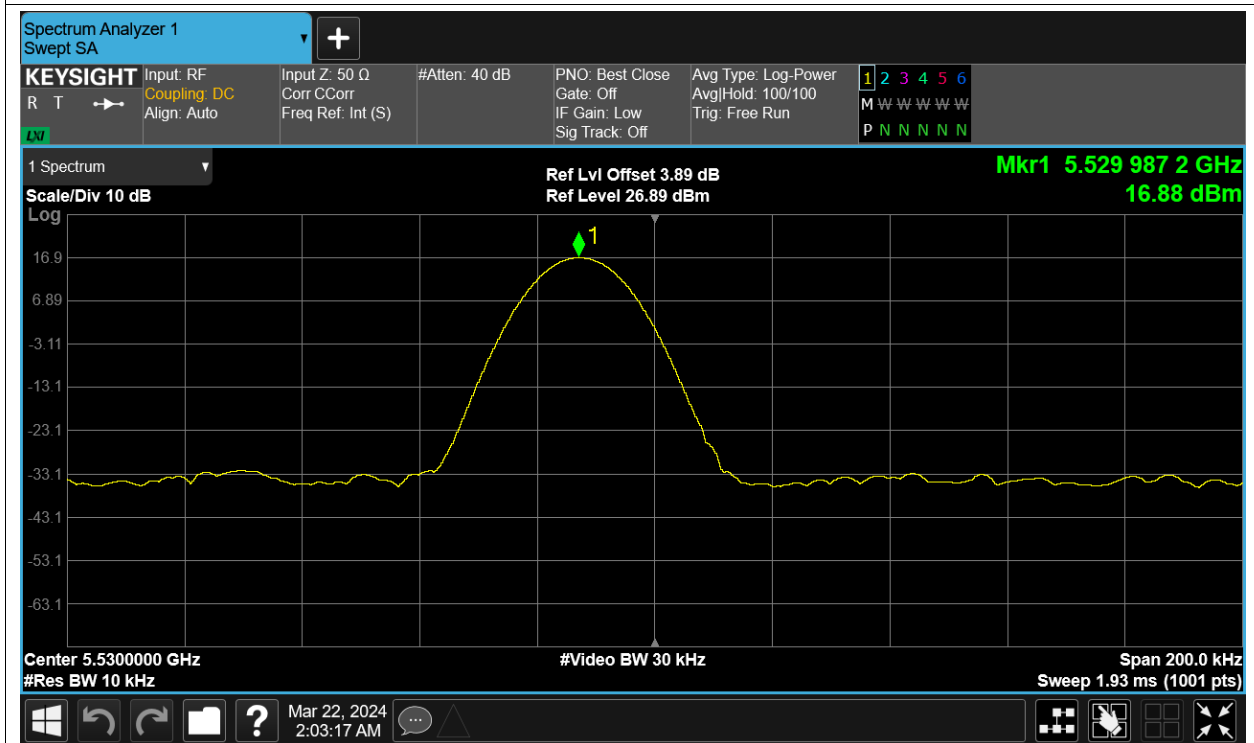
Freq. Stability NVLT a 5500MHz Ant4



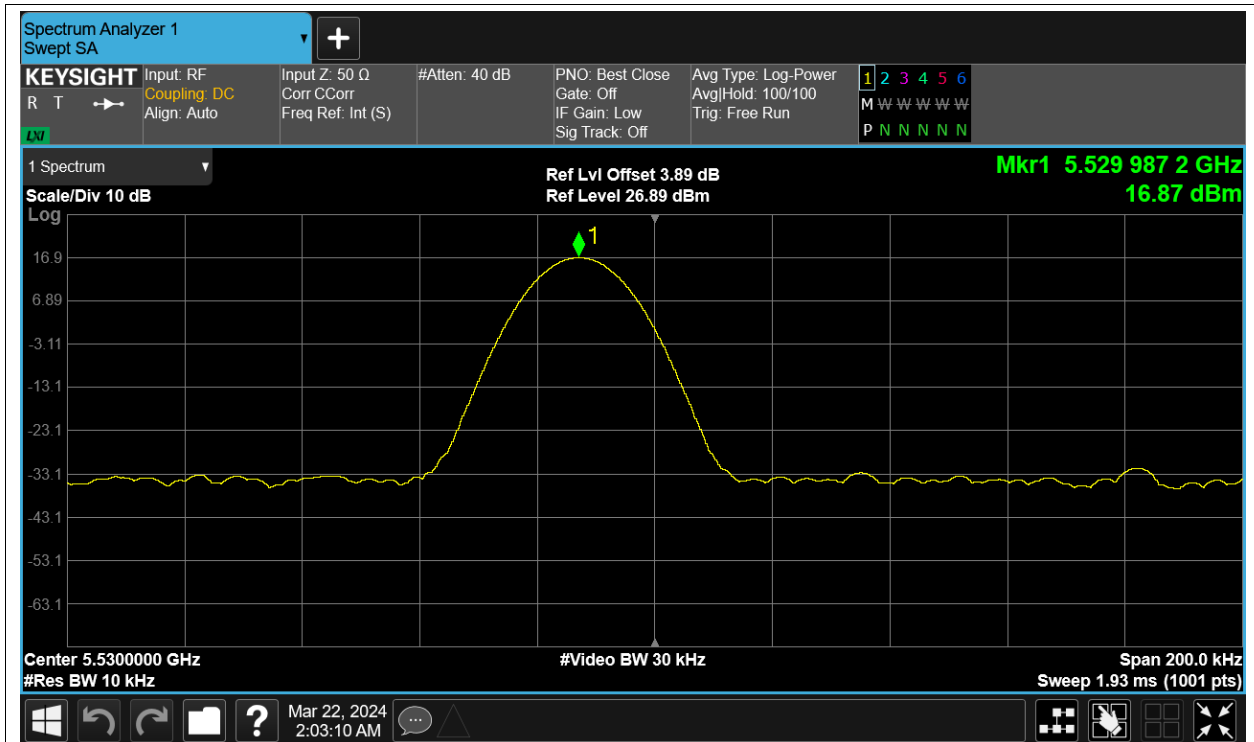
Freq. Stability NVNT a 5500MHz Ant4



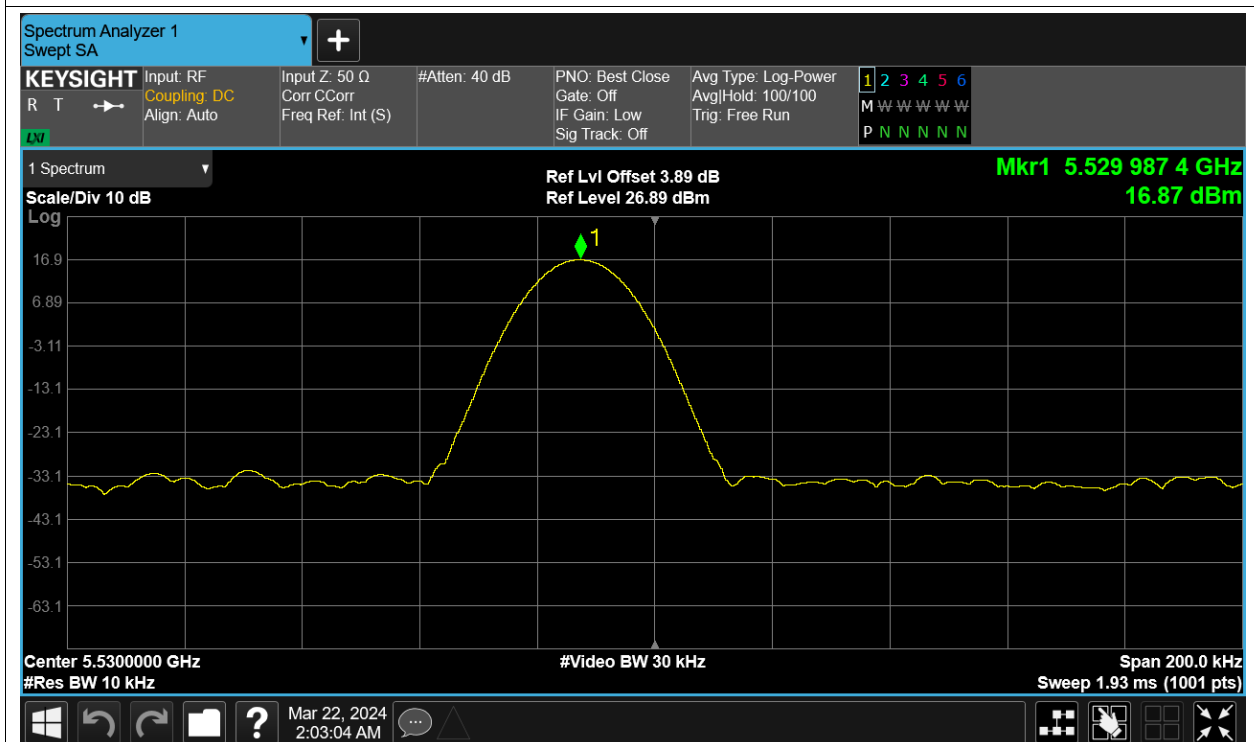
Freq. Stability HVNT ac80 5530MHz Ant4



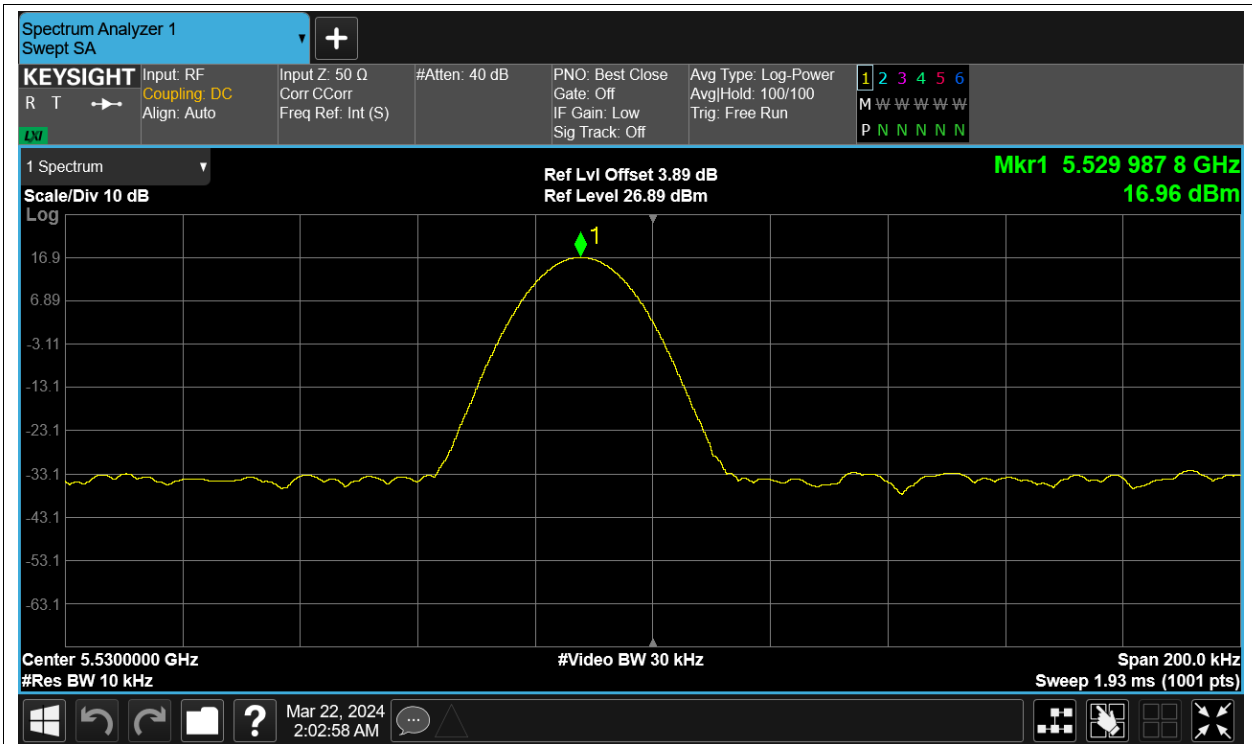
Freq. Stability LVNT ac80 5530MHz Ant4



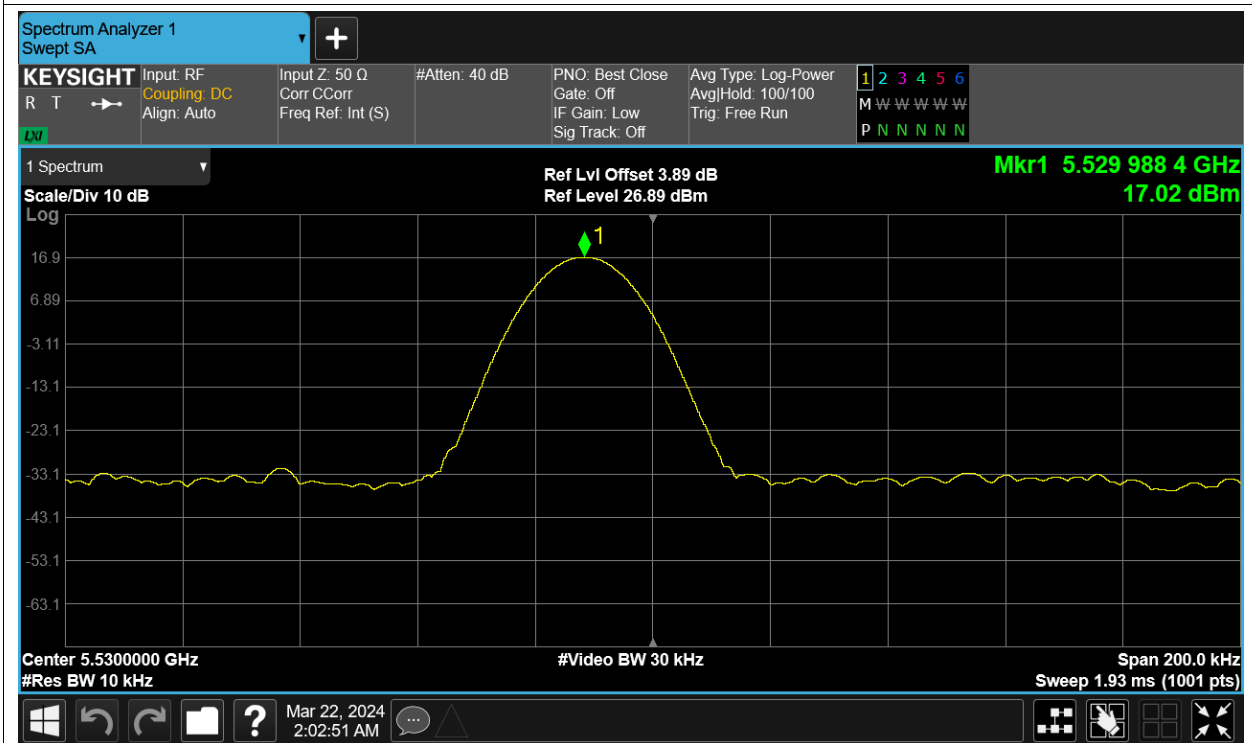
Freq. Stability NVHT ac80 5530MHz Ant4



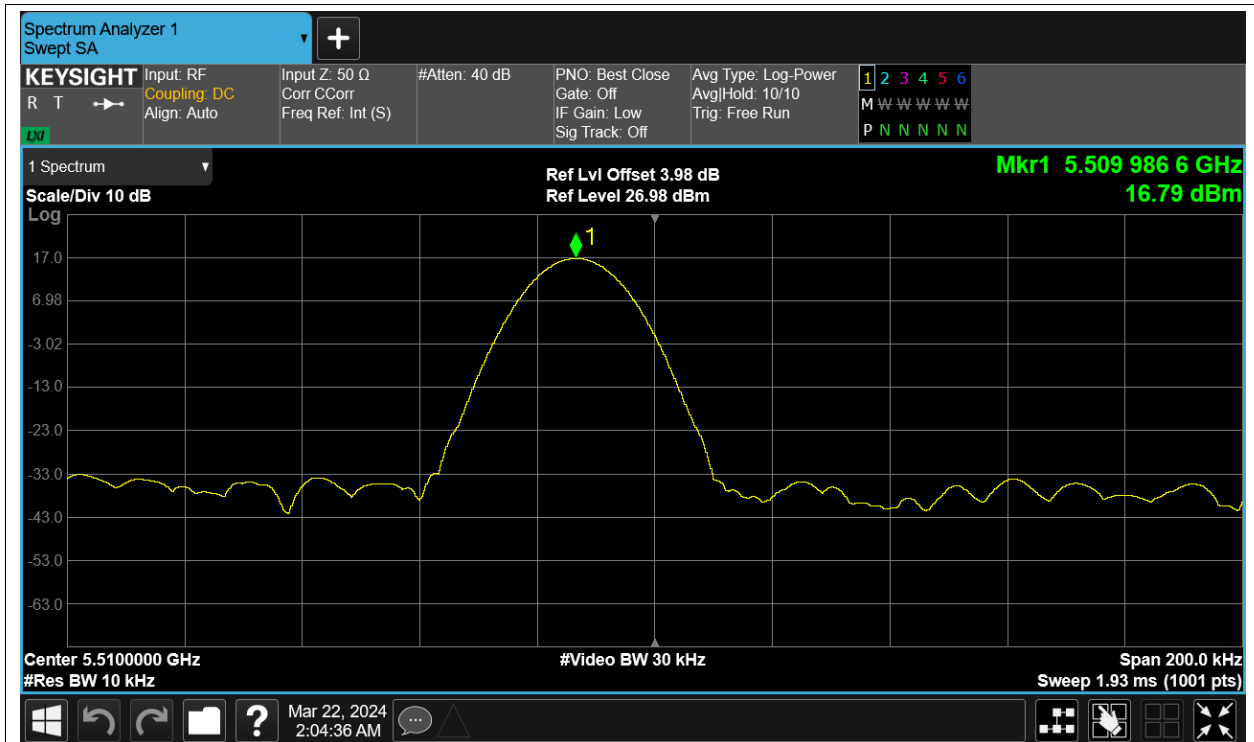
Freq. Stability NVLT ac80 5530MHz Ant4



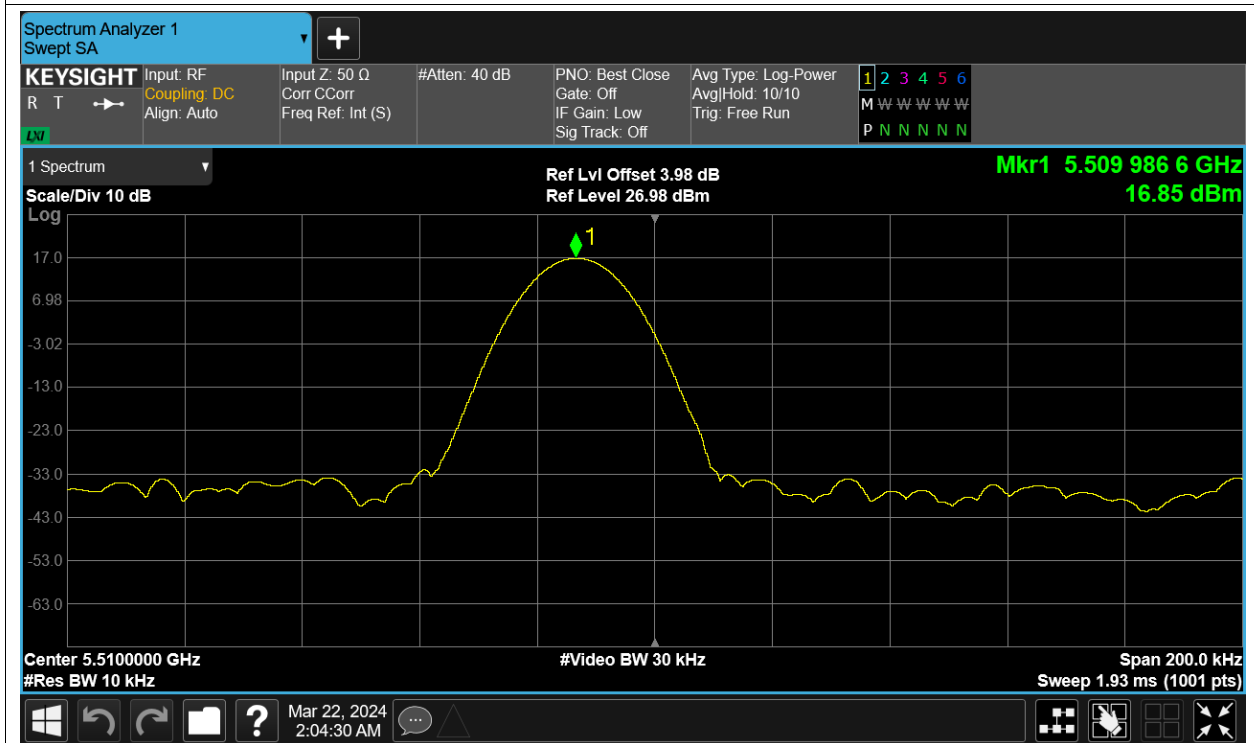
Freq. Stability NVNT ac80 5530MHz Ant4



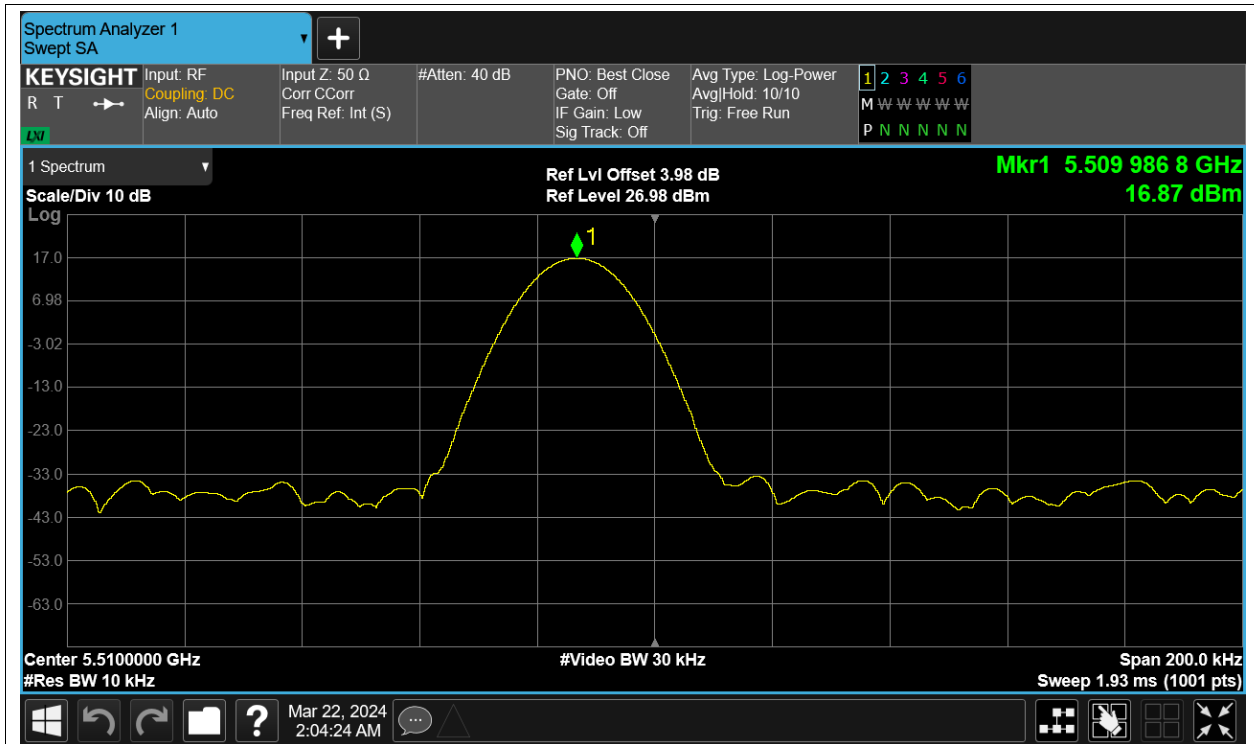
Freq. Stability HVNT n40 5510MHz Ant4



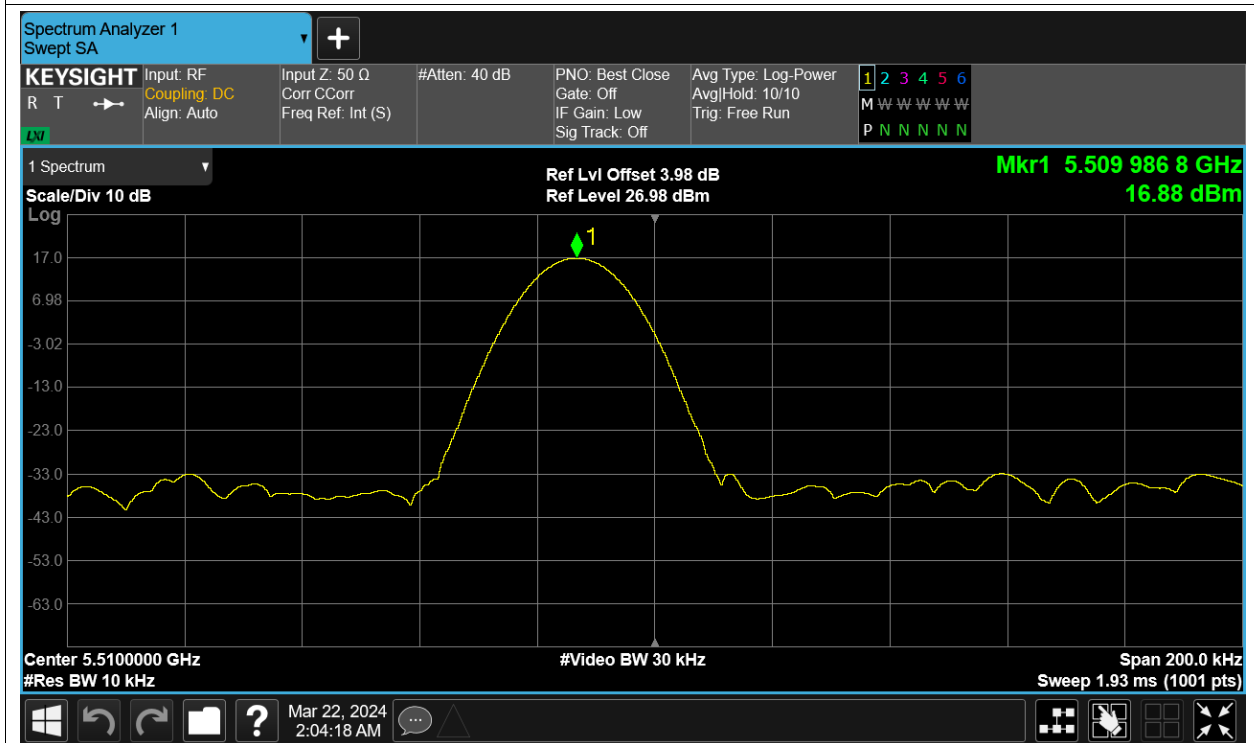
Freq. Stability LVNT n40 5510MHz Ant4



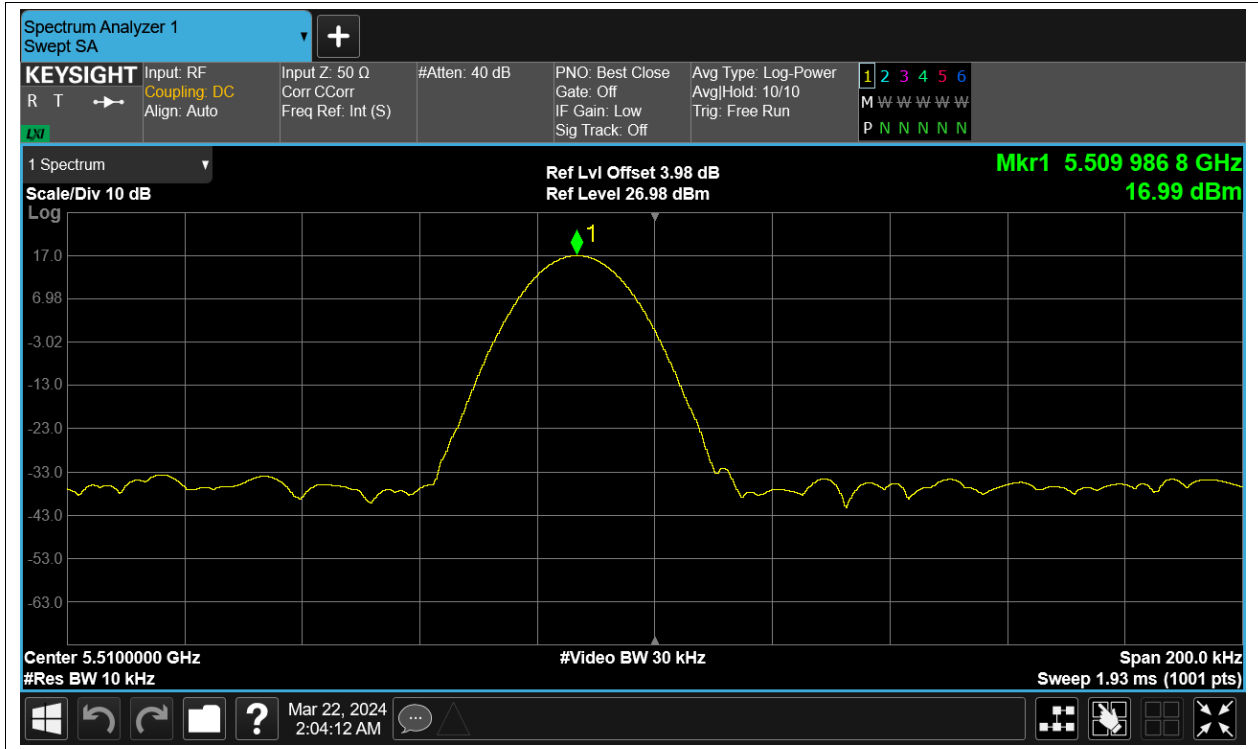
Freq. Stability NVHT n40 5510MHz Ant4



Freq. Stability NVLT n40 5510MHz Ant4



Freq. Stability NVNT n40 5510MHz Ant4

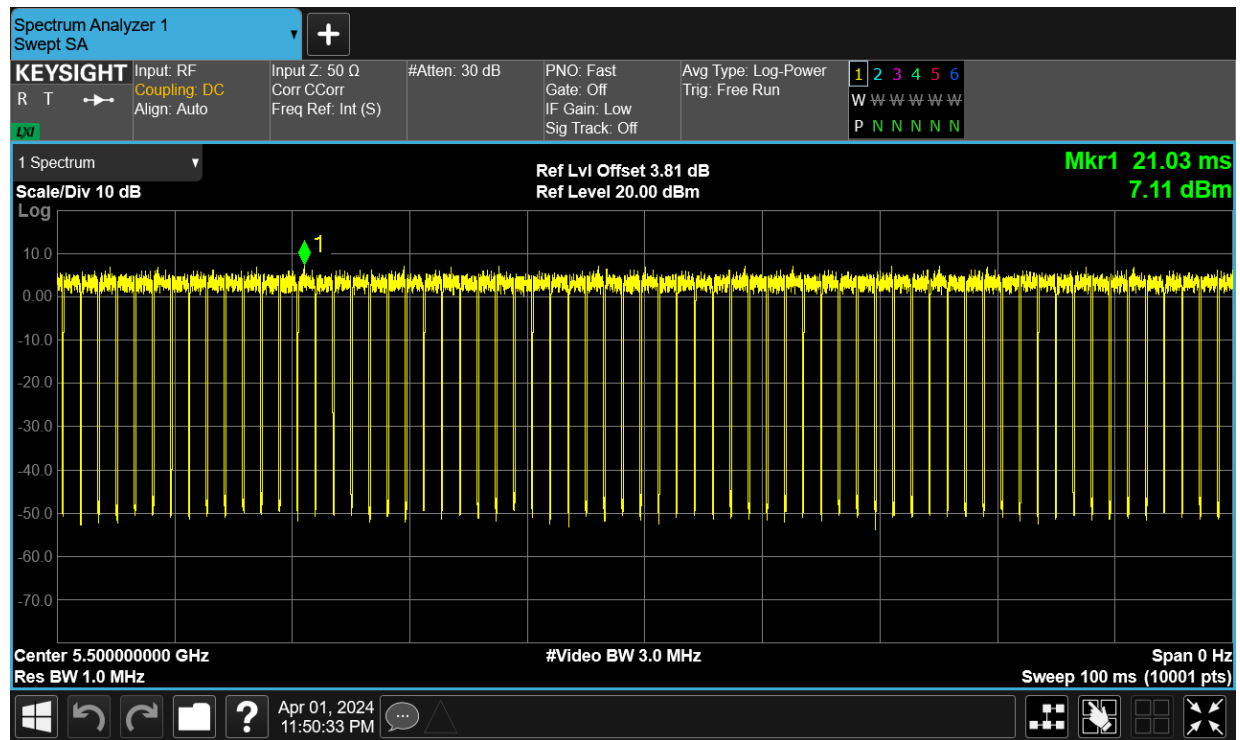


Duty Cycle

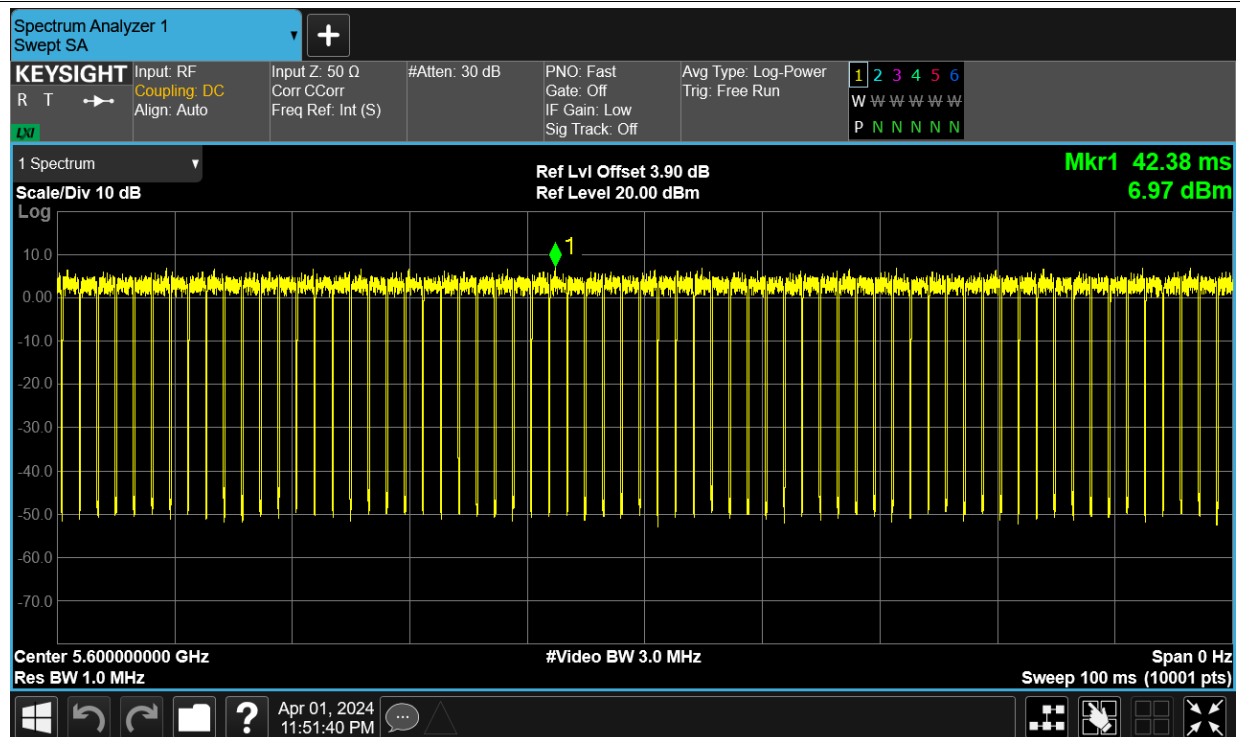
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant4	91.39	0.39
NVNT	a	5600	Ant4	91.34	0.39
NVNT	a	5700	Ant4	91.33	0.39
NVNT	ac20	5500	Ant4	89.71	0.47
NVNT	ac20	5600	Ant4	89.7	0.47
NVNT	ac20	5700	Ant4	89.68	0.47
NVNT	ac40	5510	Ant4	81.45	0.89
NVNT	ac40	5590	Ant4	81.16	0.91
NVNT	ac40	5670	Ant4	81.38	0.89
NVNT	ac80	5530	Ant4	69.74	1.56
NVNT	ac80	5610	Ant4	69.7	1.57
NVNT	n20	5500	Ant4	89.85	0.46
NVNT	n20	5600	Ant4	89.79	0.47
NVNT	n20	5700	Ant4	89.92	0.46
NVNT	n40	5510	Ant4	81.57	0.88
NVNT	n40	5590	Ant4	81.74	0.88
NVNT	n40	5670	Ant4	81.54	0.89

Test Graphs

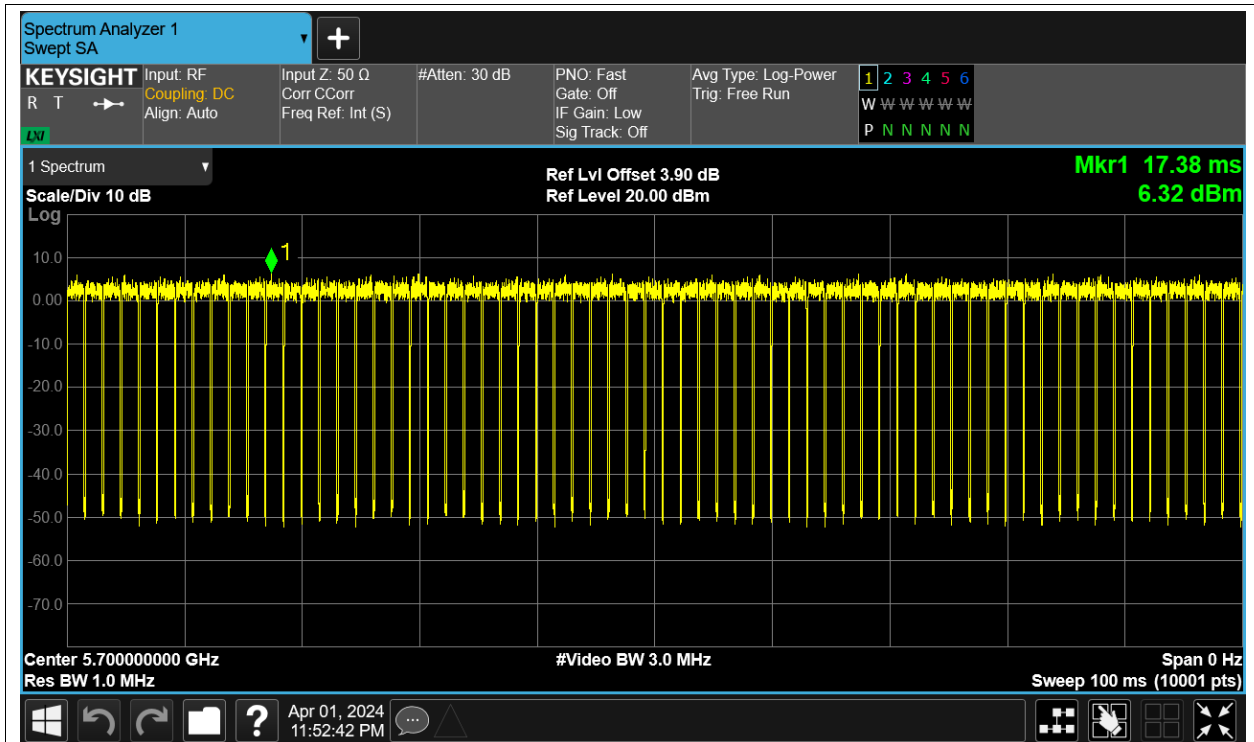
Duty Cycle NVNT a 5500MHz Ant4



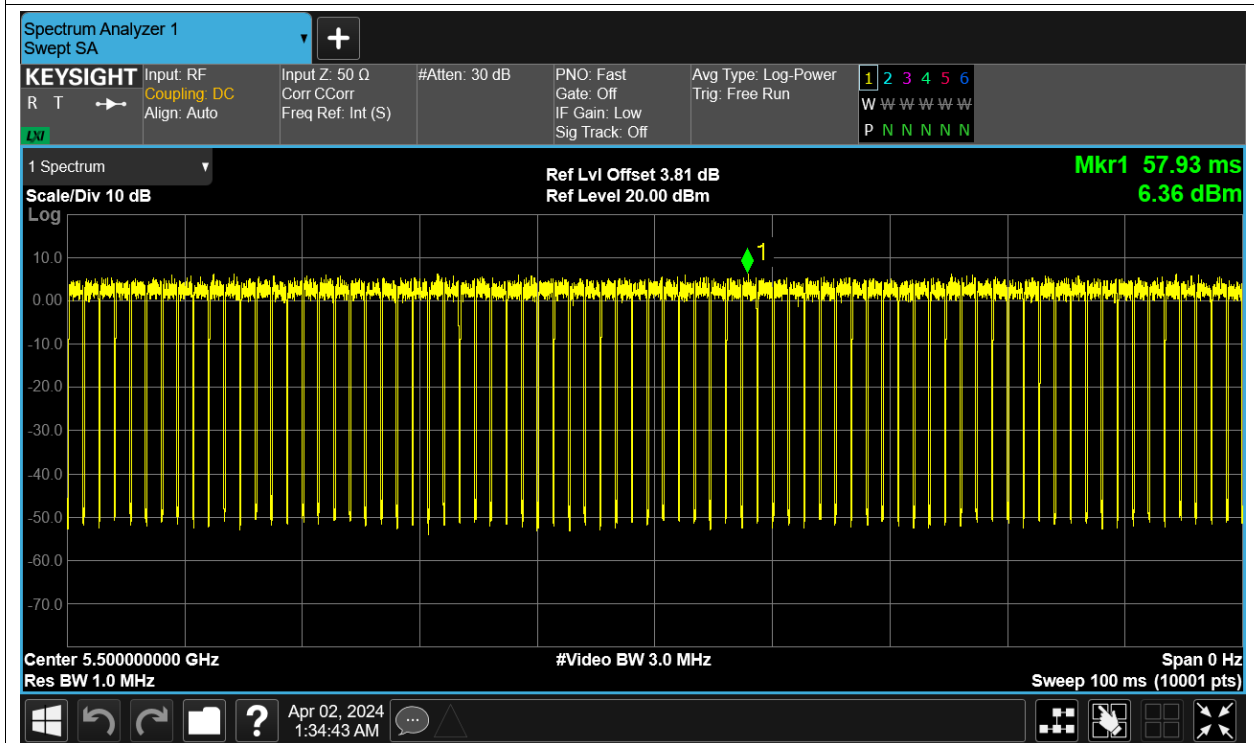
Duty Cycle NVNT a 5600MHz Ant4



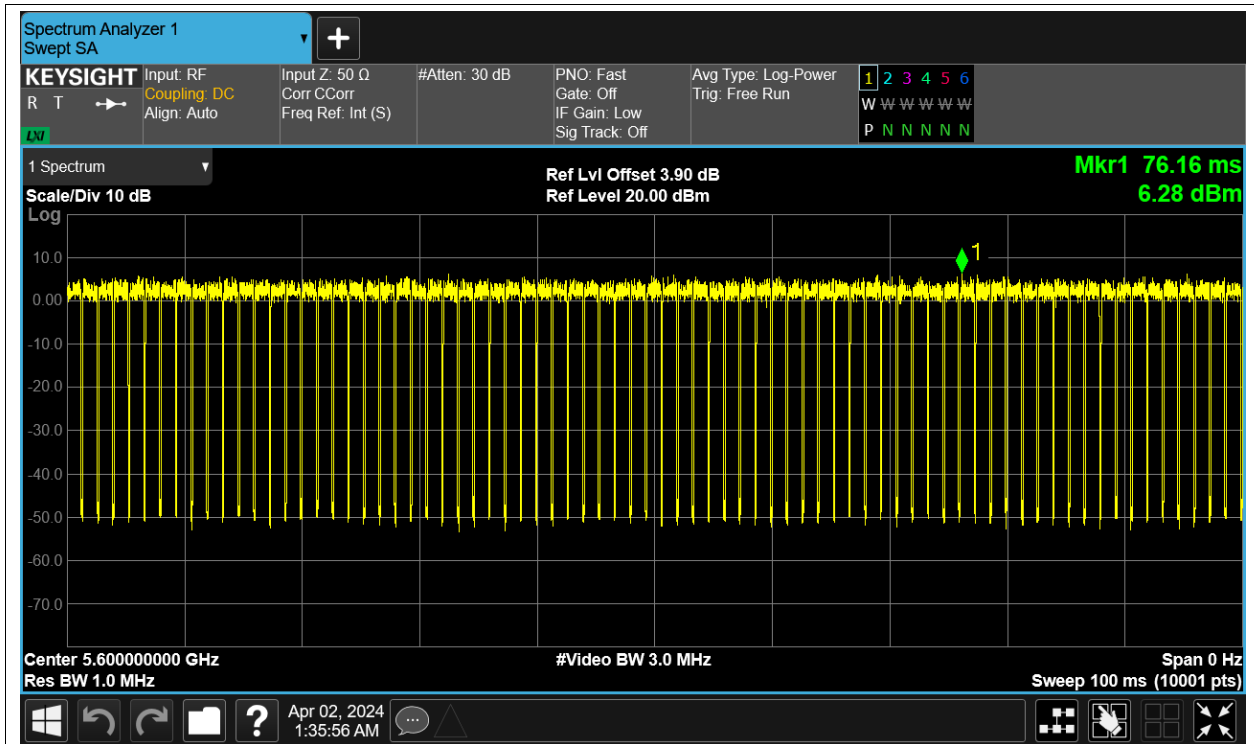
Duty Cycle NVNT a 5700MHz Ant4



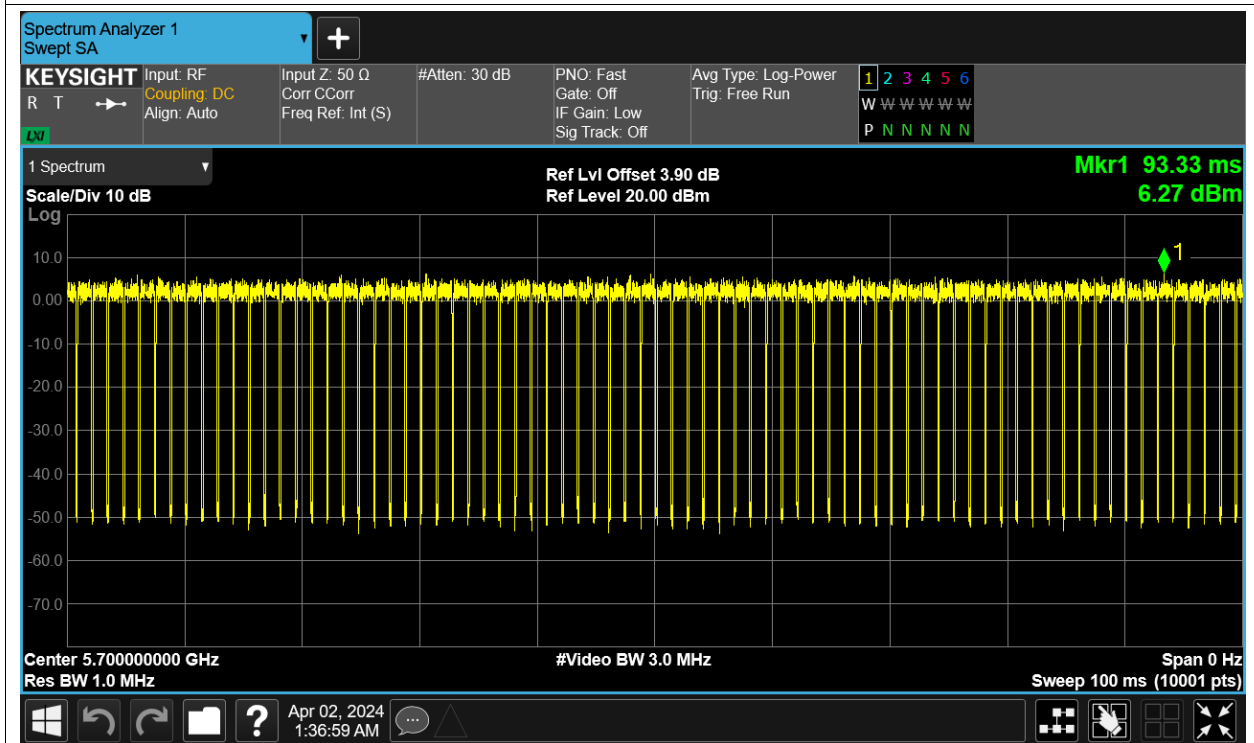
Duty Cycle NVNT ac20 5500MHz Ant4



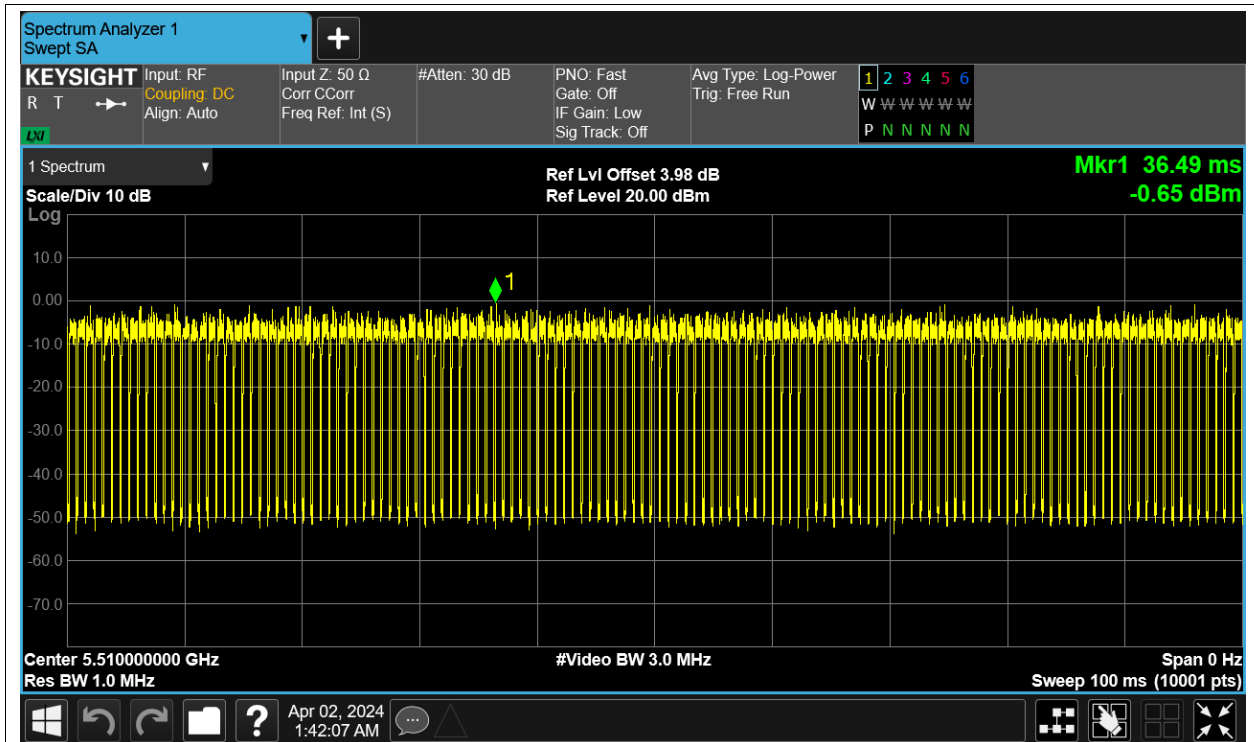
Duty Cycle NVNT ac20 5600MHz Ant4



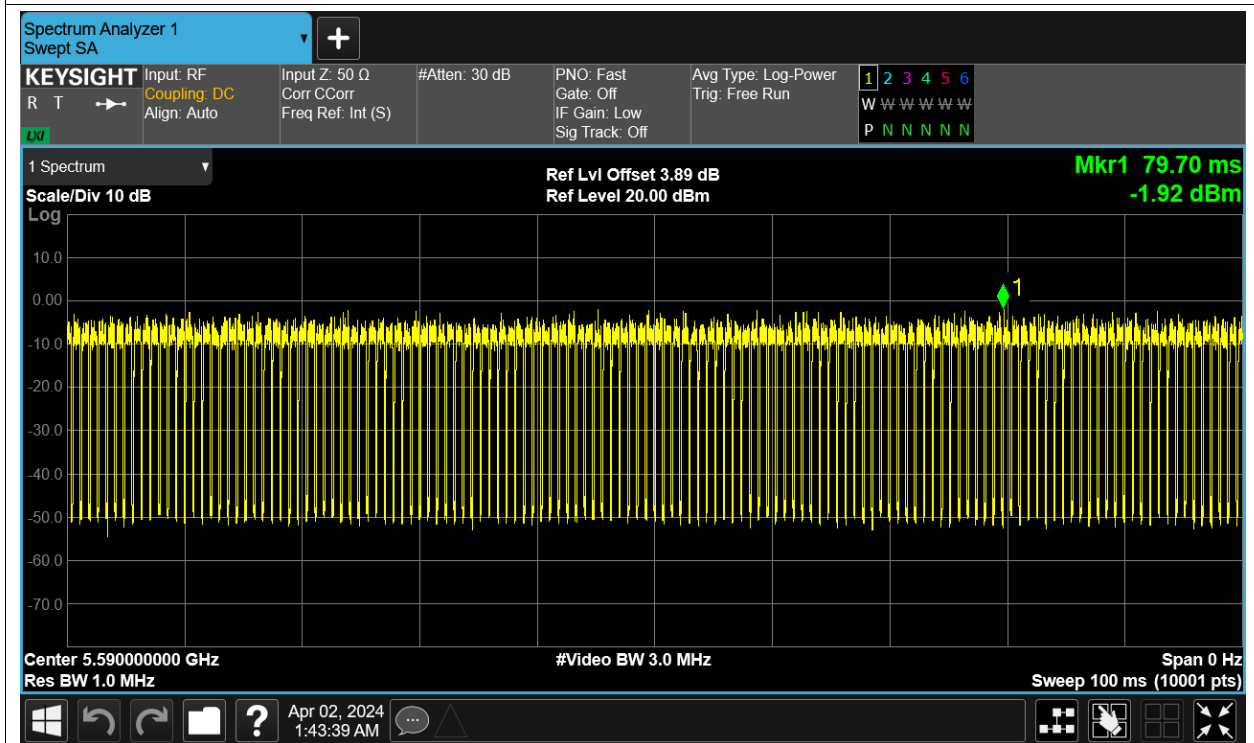
Duty Cycle NVNT ac20 5700MHz Ant4



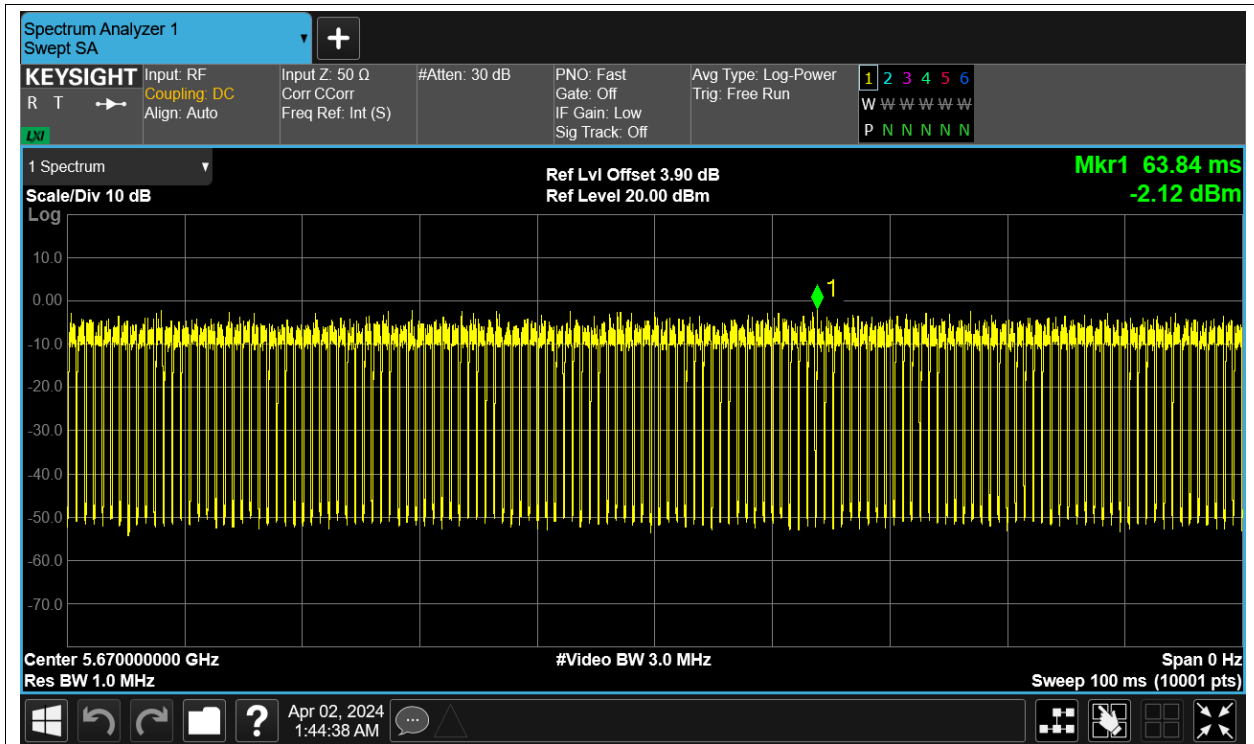
Duty Cycle NVNT ac40 5510MHz Ant4



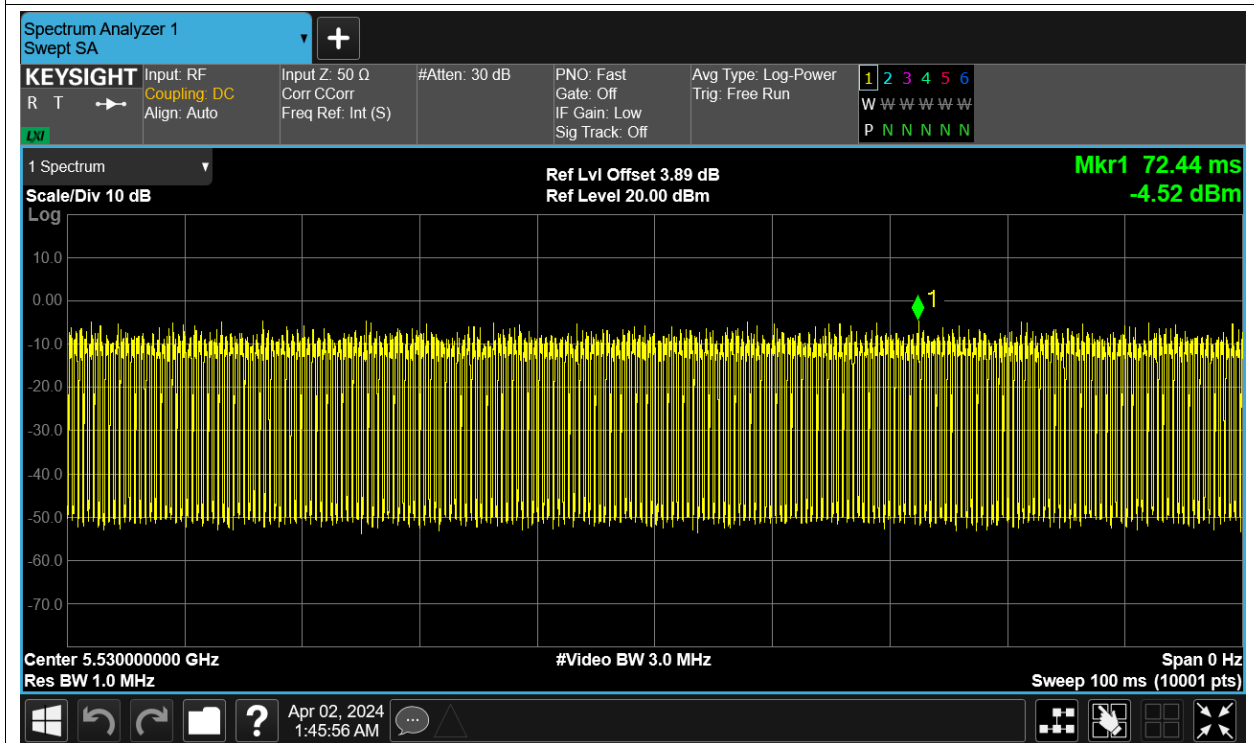
Duty Cycle NVNT ac40 5590MHz Ant4



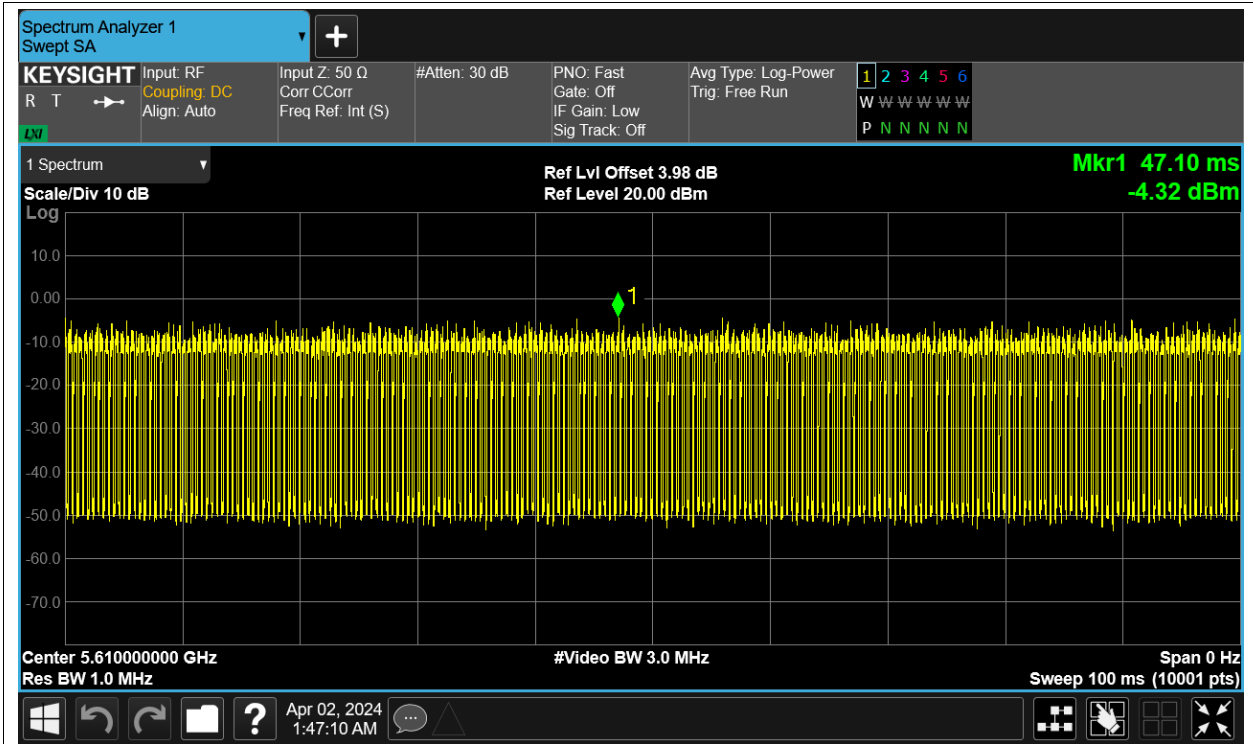
Duty Cycle NVNT ac40 5670MHz Ant4



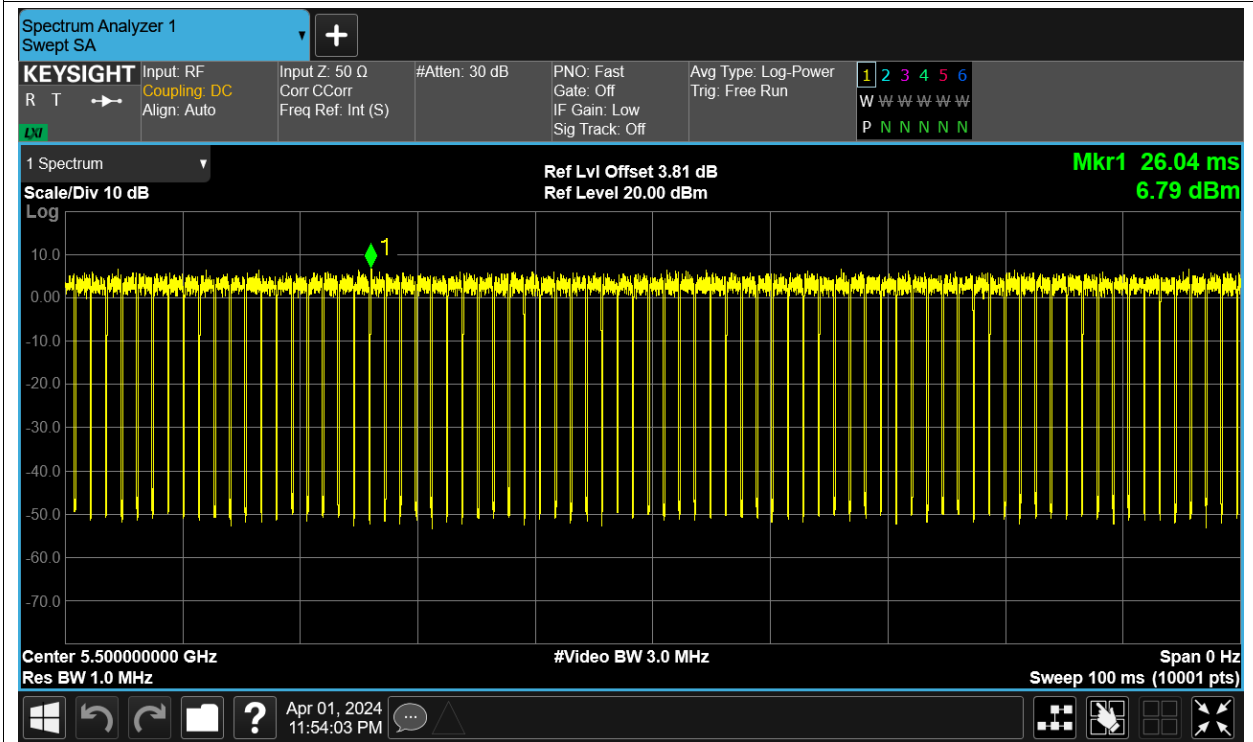
Duty Cycle NVNT ac80 5530MHz Ant4



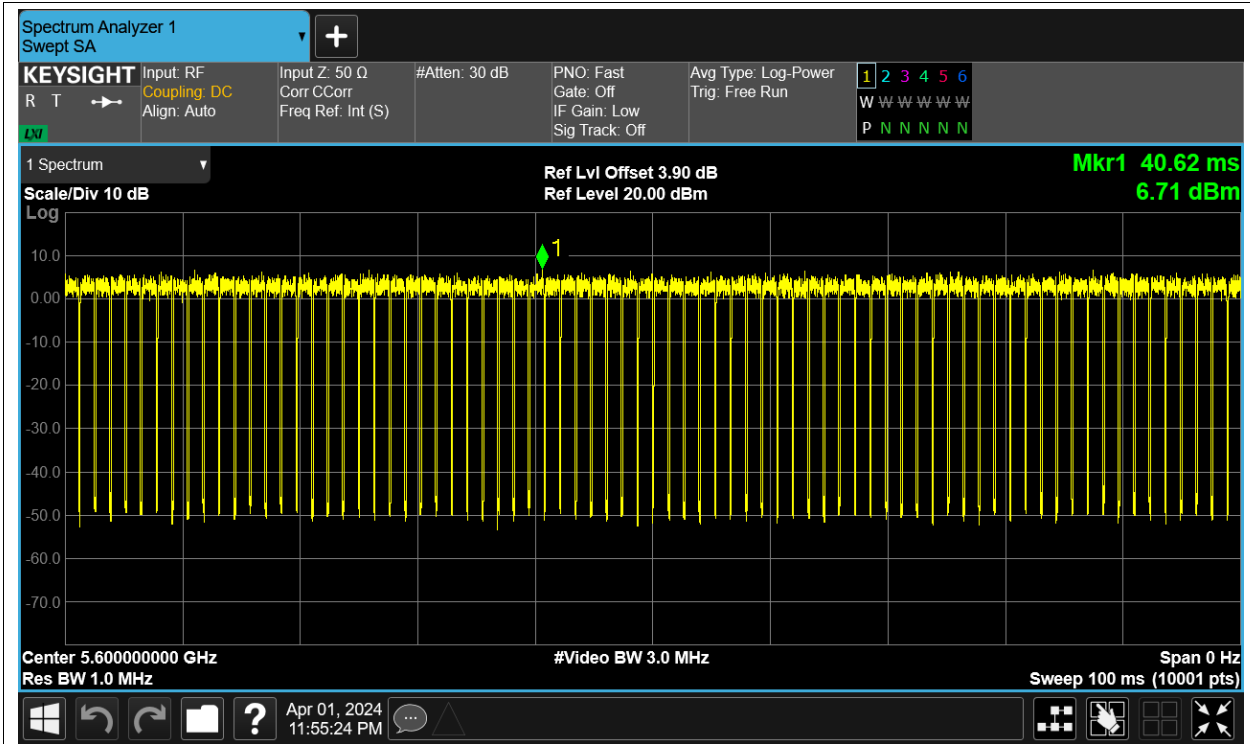
Duty Cycle NVNT ac80 5610MHz Ant4



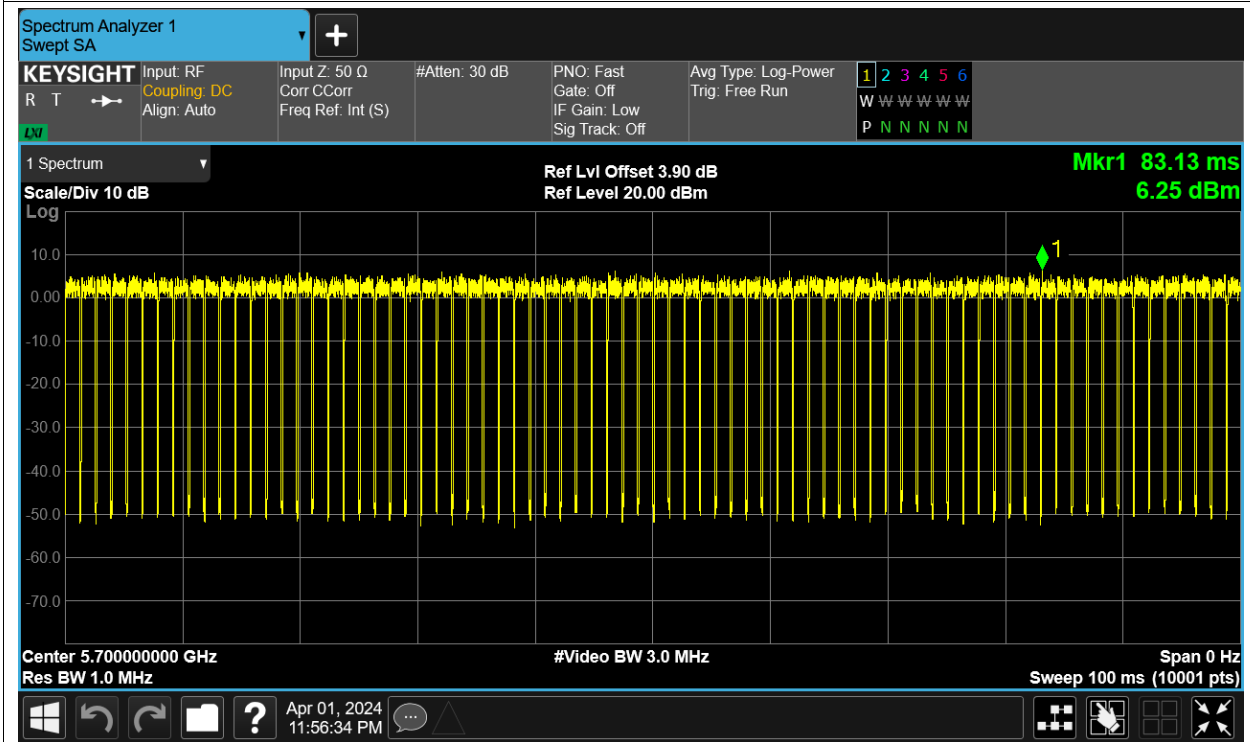
Duty Cycle NVNT n20 5500MHz Ant4



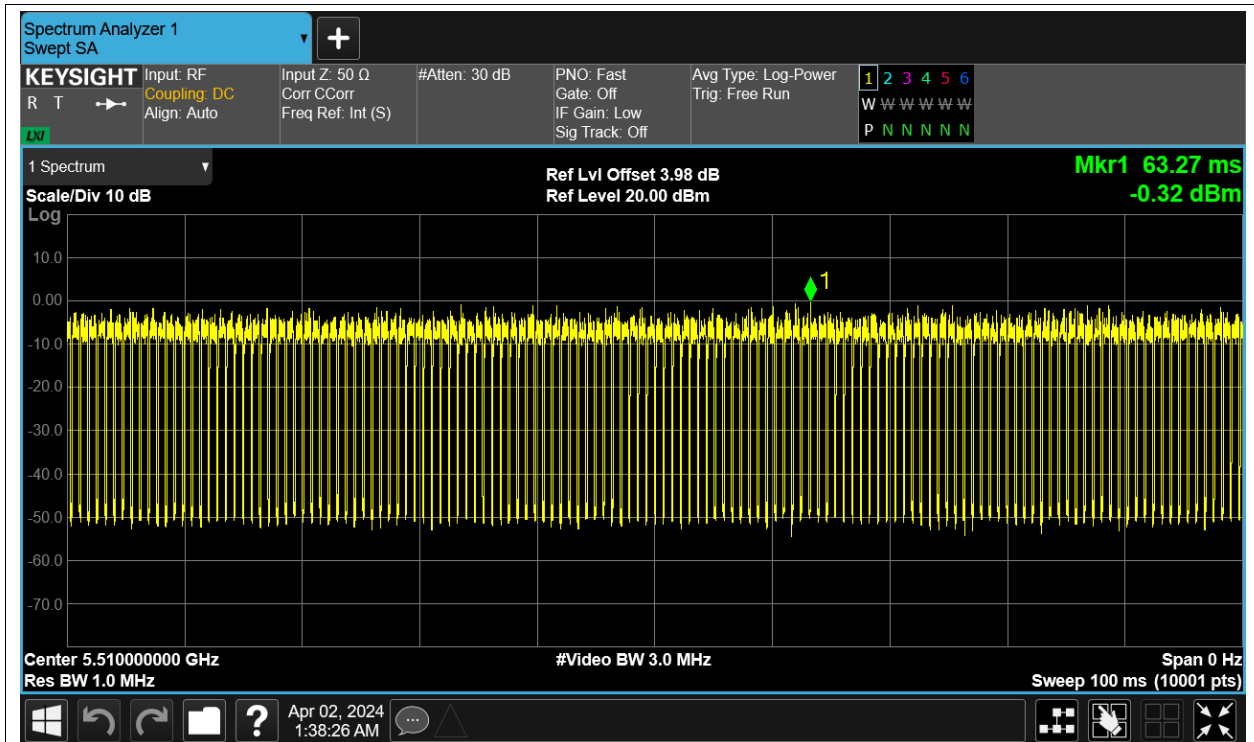
Duty Cycle NVNT n20 5600MHz Ant4



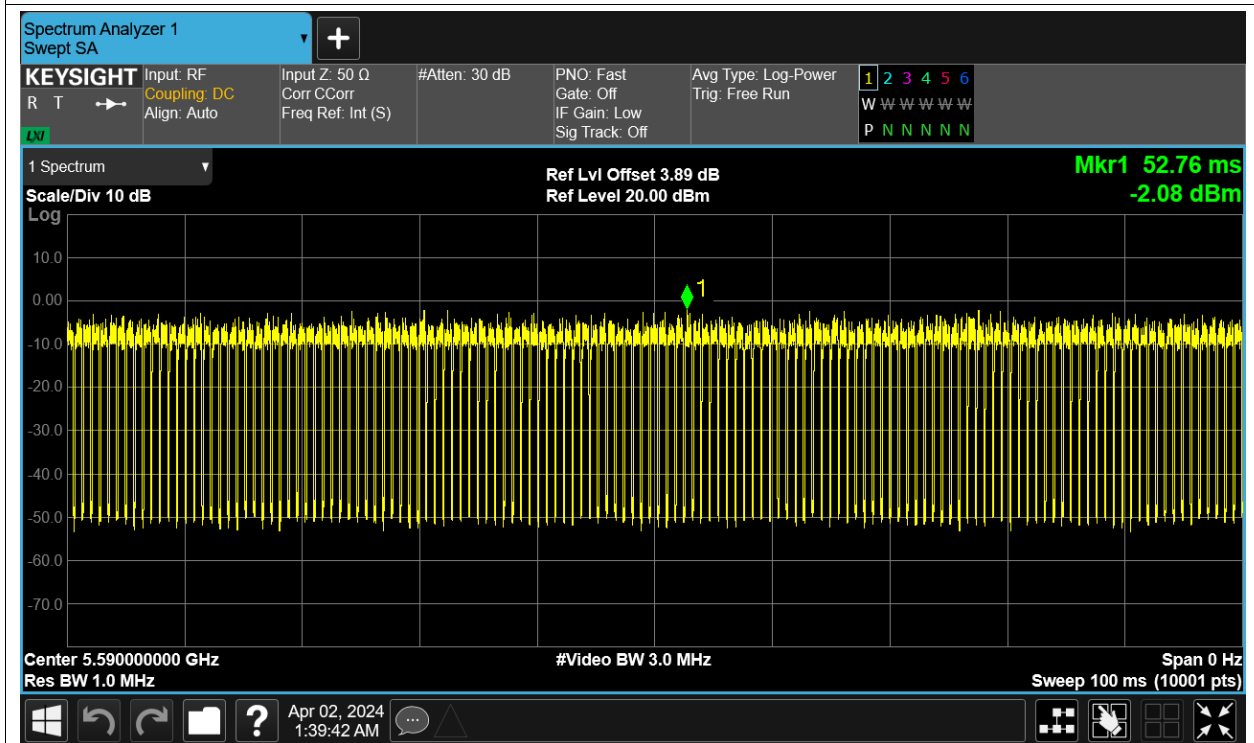
Duty Cycle NVNT n20 5700MHz Ant4



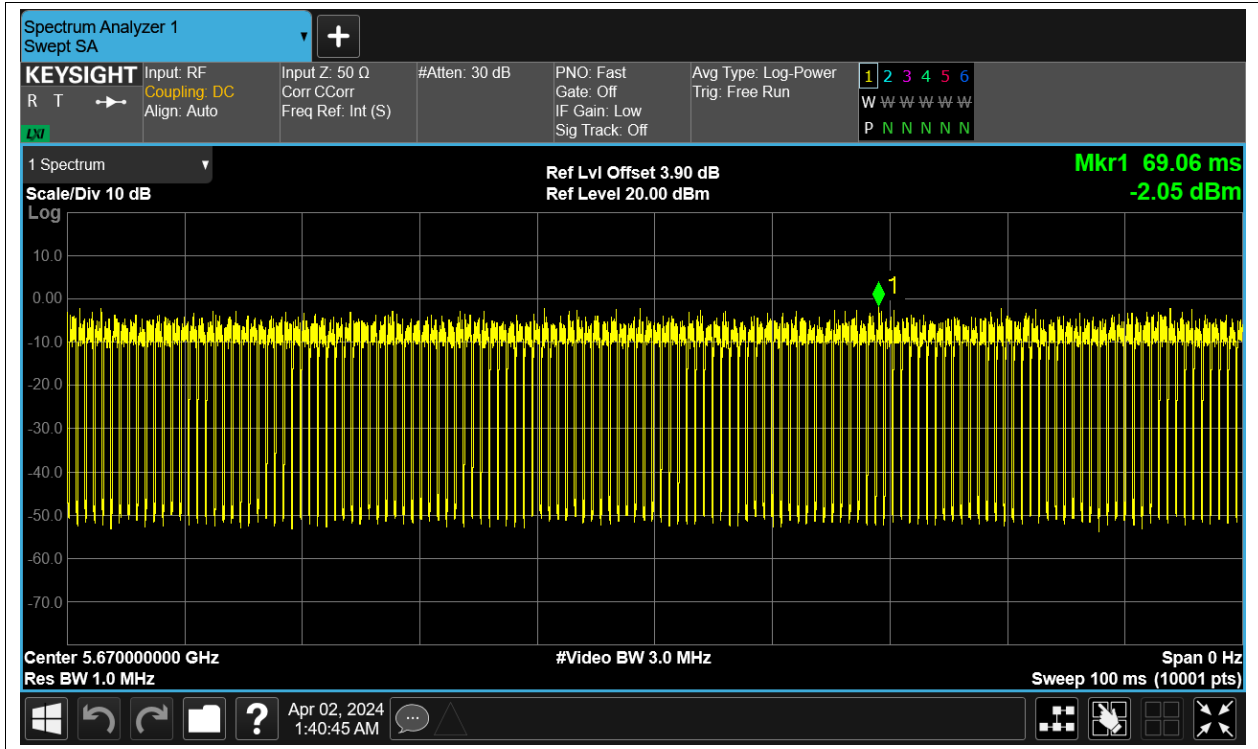
Duty Cycle NVNT n40 5510MHz Ant4



Duty Cycle NVNT n40 5590MHz Ant4



Duty Cycle NVNT n40 5670MHz Ant4



Maximum Conducted Output Power

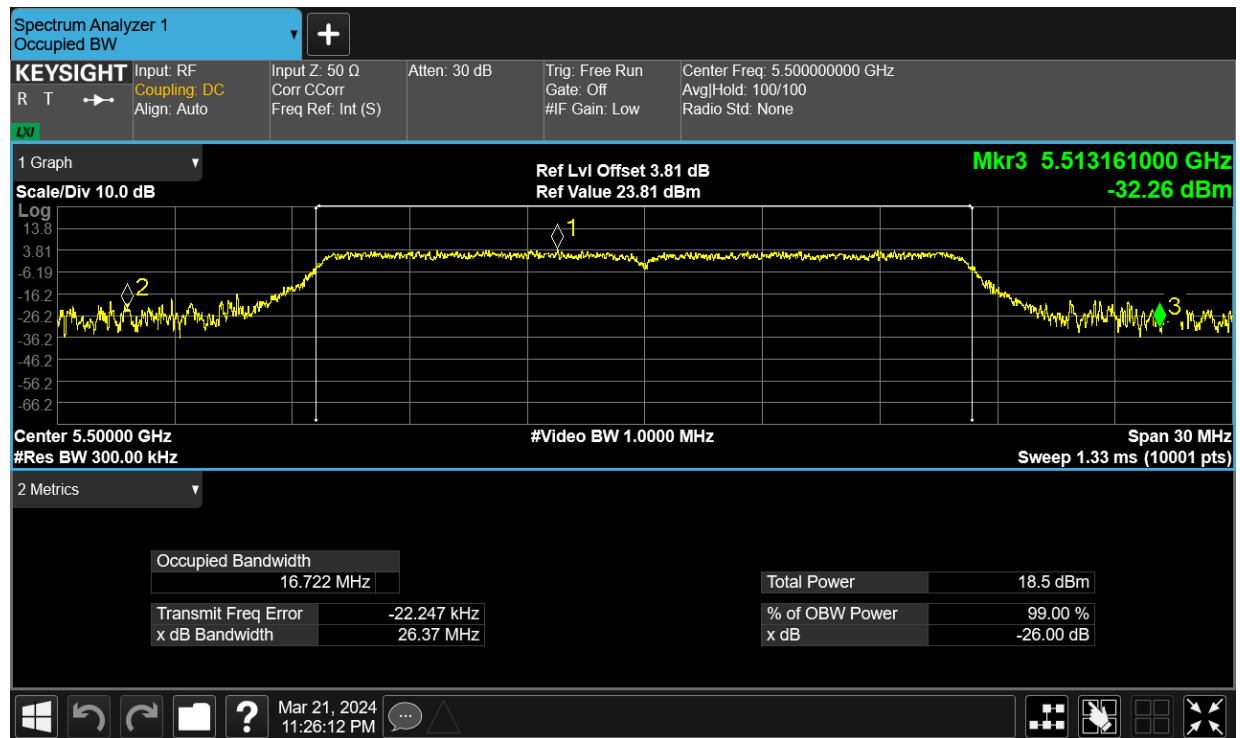
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant4	11.56	0.39	11.95	24	Pass
NVNT	a	5600	Ant4	11.58	0.39	11.97	24	Pass
NVNT	a	5700	Ant4	11.25	0.39	11.64	24	Pass
NVNT	ac20	5500	Ant4	11.44	0.47	11.91	24	Pass
NVNT	ac20	5600	Ant4	11.4	0.47	11.87	24	Pass
NVNT	ac20	5700	Ant4	10.98	0.47	11.45	24	Pass
NVNT	ac40	5510	Ant4	7.56	0.89	8.45	24	Pass
NVNT	ac40	5590	Ant4	6.86	0.91	7.77	24	Pass
NVNT	ac40	5670	Ant4	7	0.89	7.89	24	Pass
NVNT	ac80	5530	Ant4	7.88	1.56	9.44	24	Pass
NVNT	ac80	5610	Ant4	7.73	1.57	9.3	24	Pass
NVNT	n20	5500	Ant4	11.5	0.46	11.96	24	Pass
NVNT	n20	5600	Ant4	11.6	0.47	12.07	24	Pass
NVNT	n20	5700	Ant4	11.25	0.46	11.71	24	Pass
NVNT	n40	5510	Ant4	7.6	0.88	8.48	24	Pass
NVNT	n40	5590	Ant4	6.88	0.88	7.76	24	Pass
NVNT	n40	5670	Ant4	7.05	0.89	7.94	24	Pass

-26dB Bandwidth

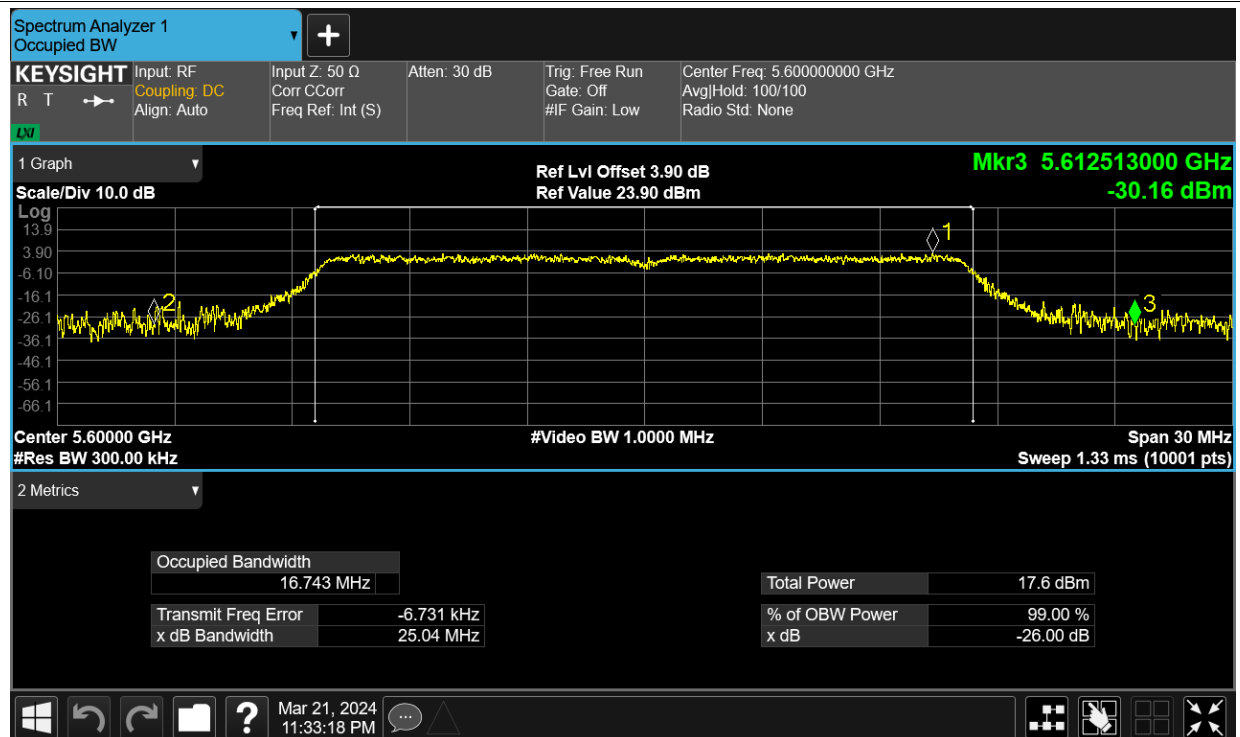
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant4	26.367
NVNT	a	5600	Ant4	25.039
NVNT	a	5700	Ant4	28.566
NVNT	ac20	5500	Ant4	24.458
NVNT	ac20	5600	Ant4	27.294
NVNT	ac20	5700	Ant4	29.062
NVNT	ac40	5510	Ant4	53.711
NVNT	ac40	5590	Ant4	54.261
NVNT	ac40	5670	Ant4	53.568
NVNT	ac80	5530	Ant4	78.619
NVNT	ac80	5610	Ant4	78.858
NVNT	n20	5500	Ant4	28.528
NVNT	n20	5600	Ant4	28.741
NVNT	n20	5700	Ant4	28.266
NVNT	n40	5510	Ant4	54.989
NVNT	n40	5590	Ant4	59.226
NVNT	n40	5670	Ant4	57.424

Test Graphs

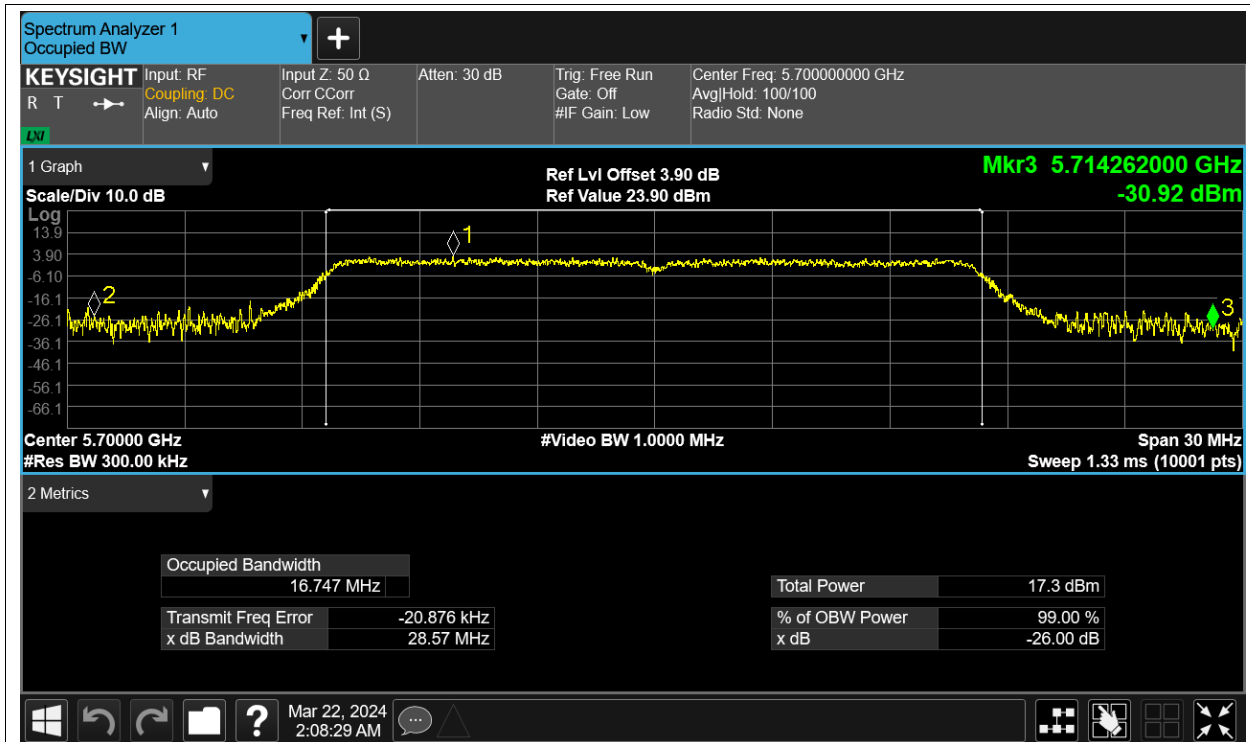
-26dB Bandwidth NVNT a 5500MHz Ant4



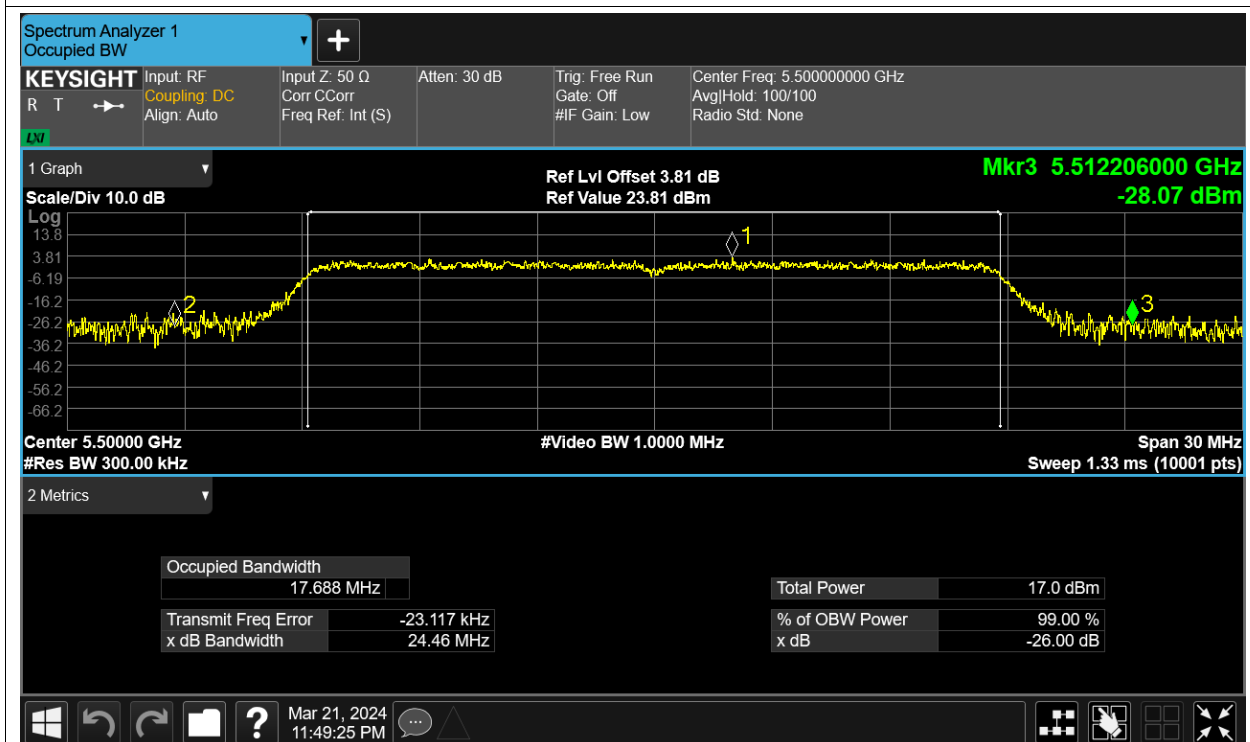
-26dB Bandwidth NVNT a 5600MHz Ant4



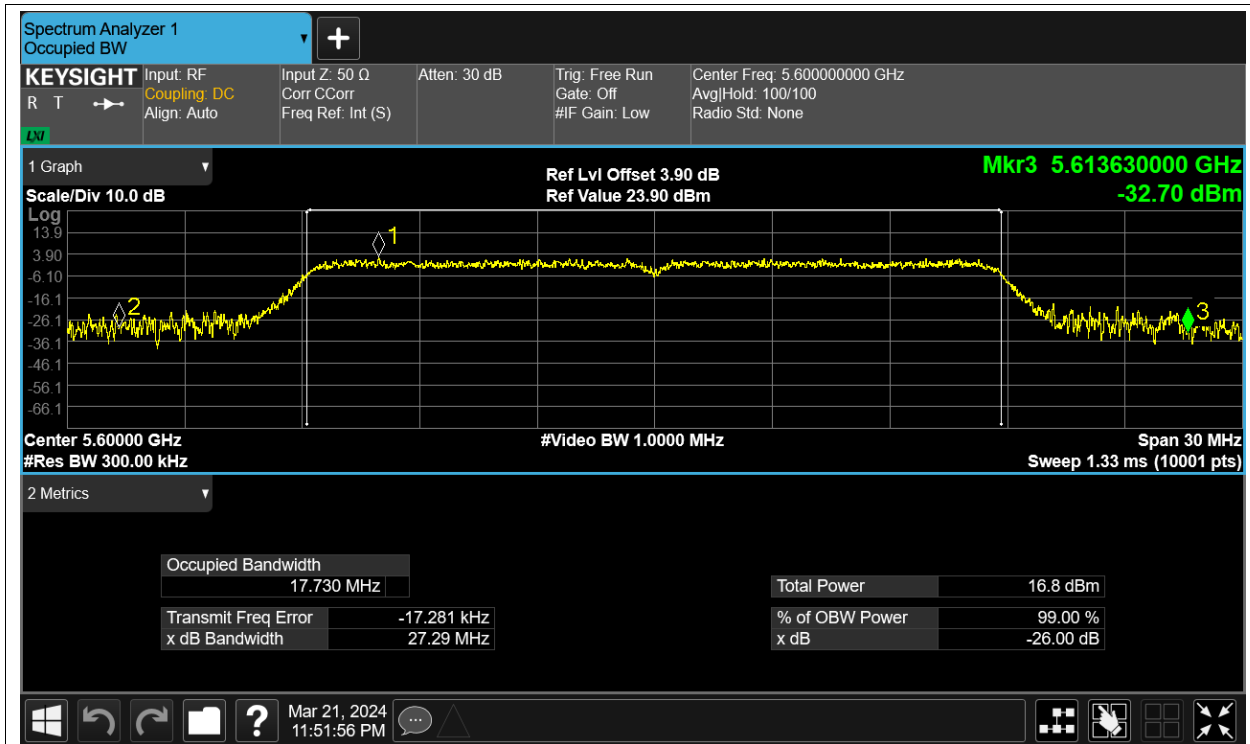
-26dB Bandwidth NVNT a 5700MHz Ant4



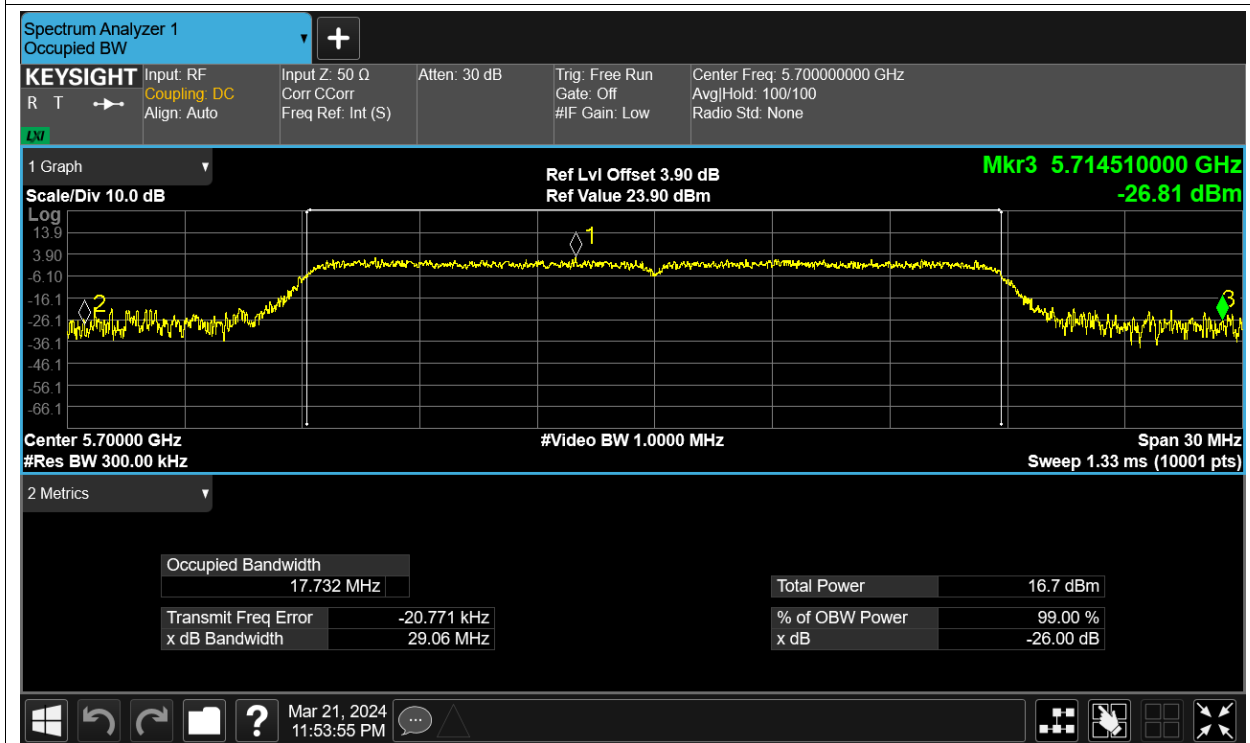
-26dB Bandwidth NVNT ac20 5500MHz Ant4



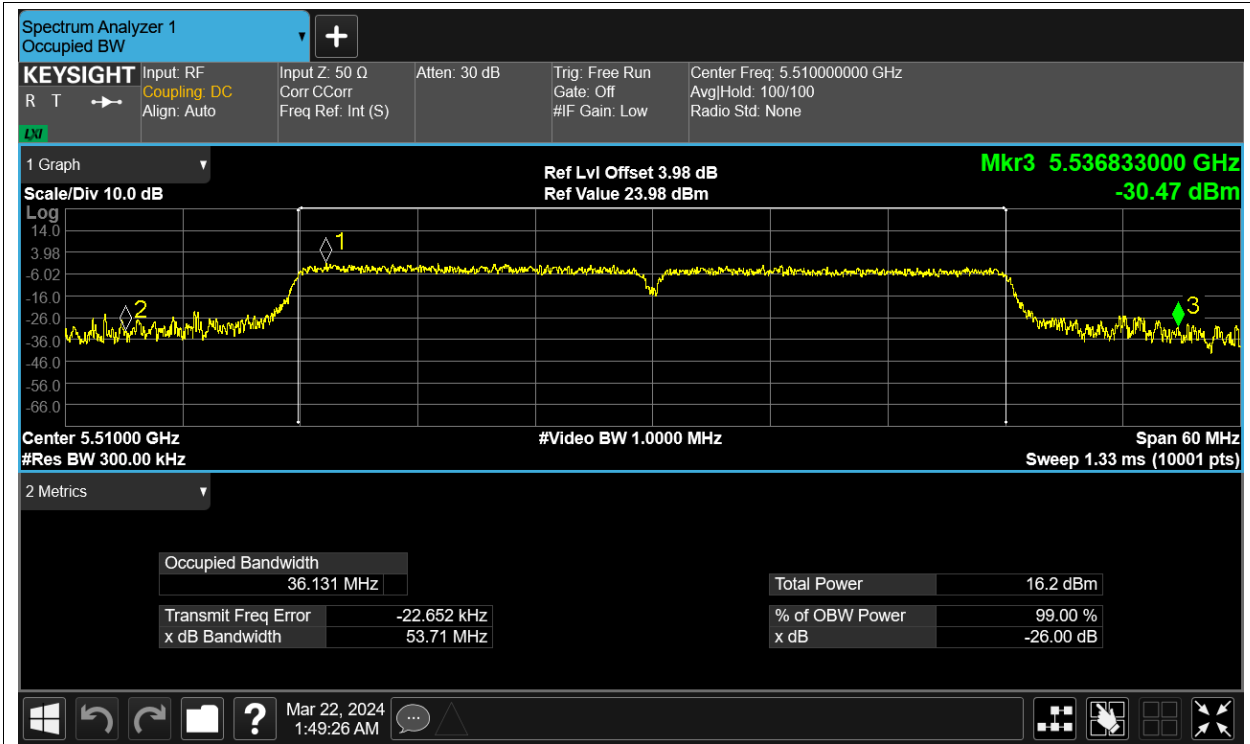
-26dB Bandwidth NVNT ac20 5600MHz Ant4



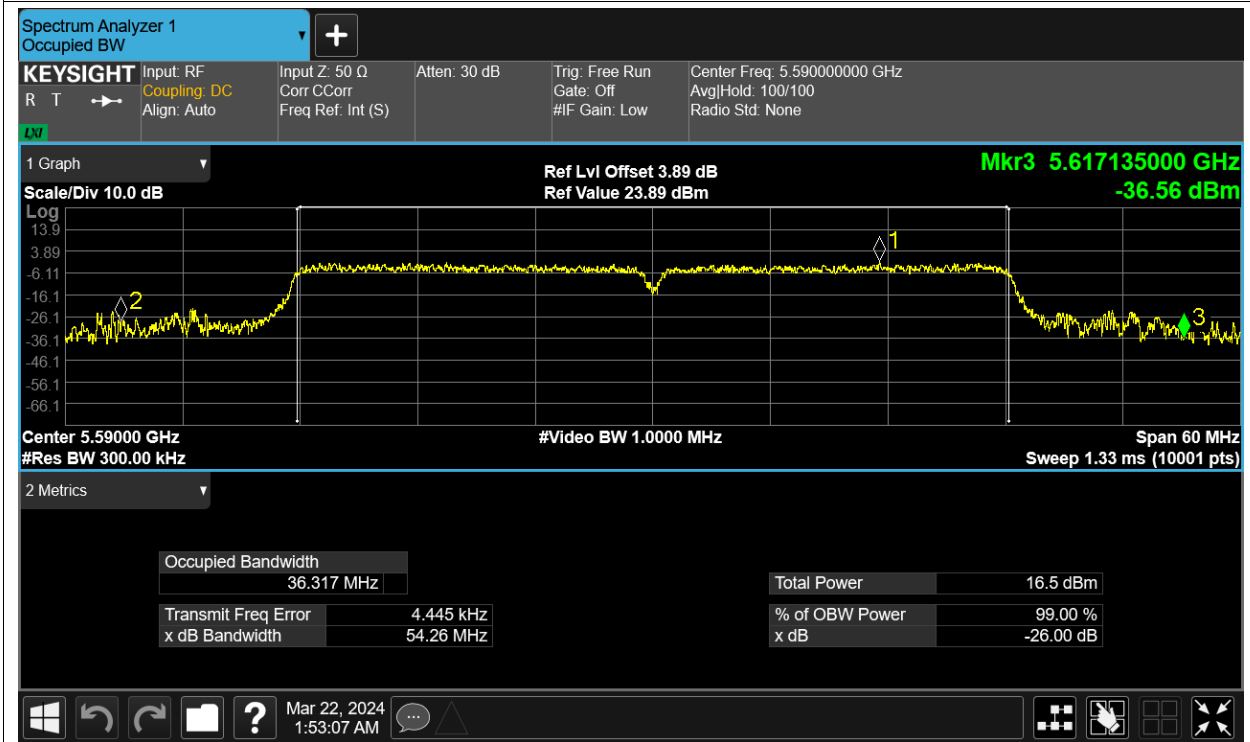
-26dB Bandwidth NVNT ac20 5700MHz Ant4



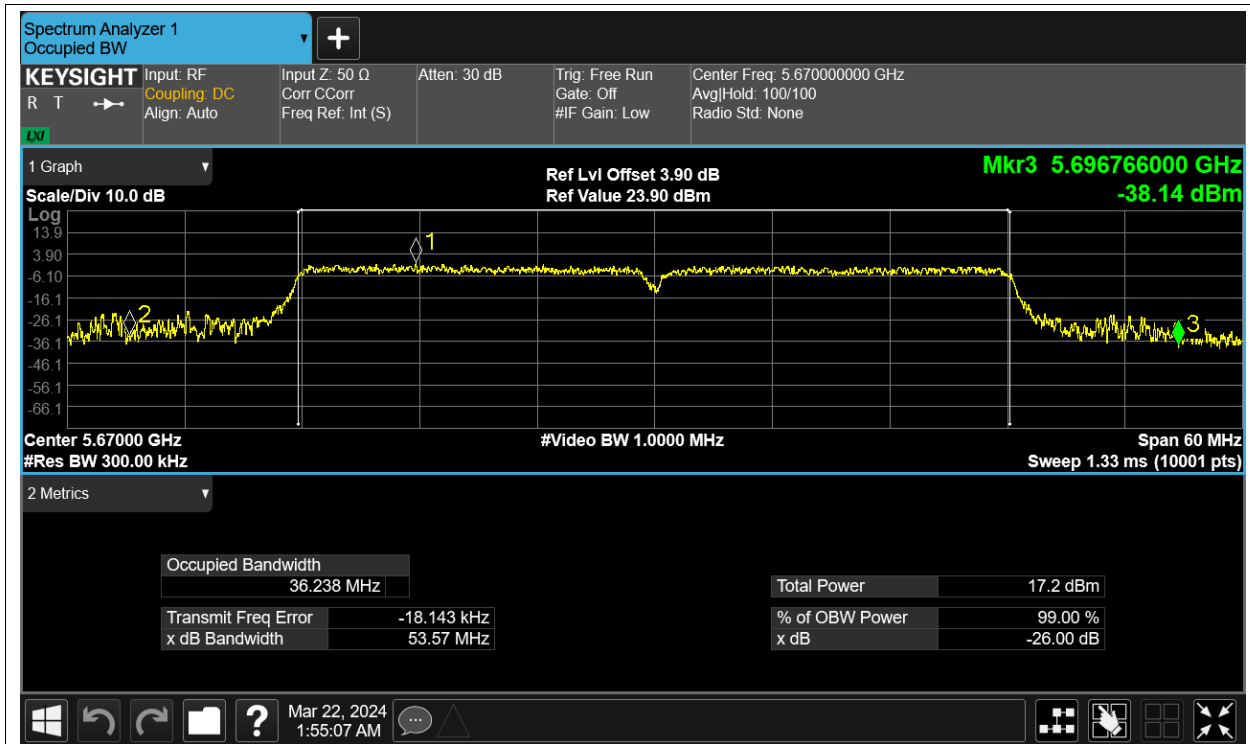
-26dB Bandwidth NVNT ac40 5510MHz Ant4



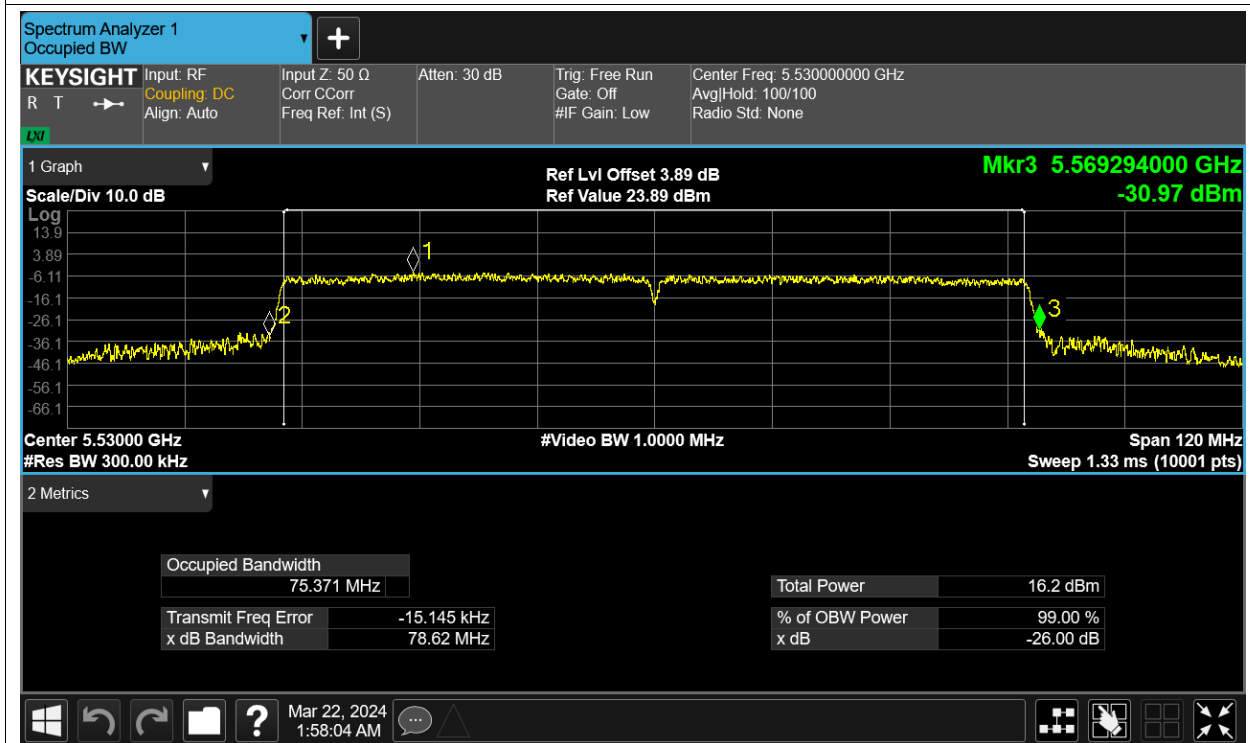
-26dB Bandwidth NVNT ac40 5590MHz Ant4



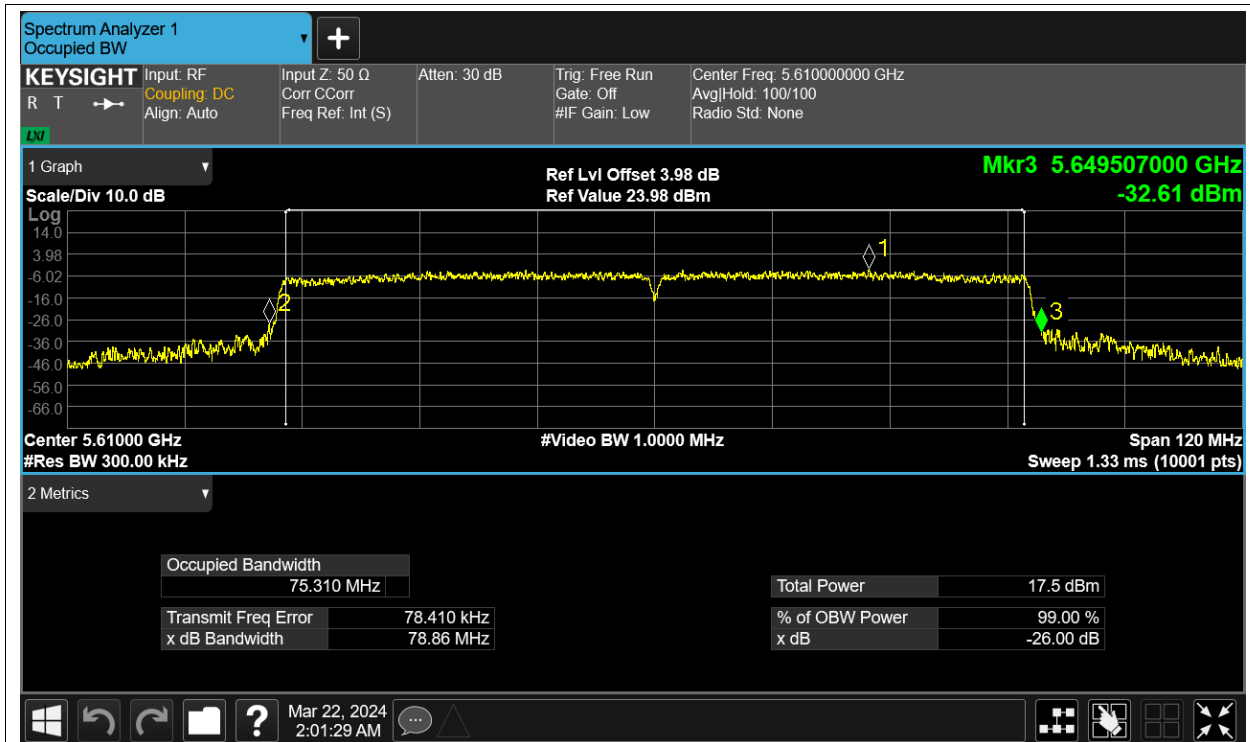
-26dB Bandwidth NVNT ac40 5670MHz Ant4



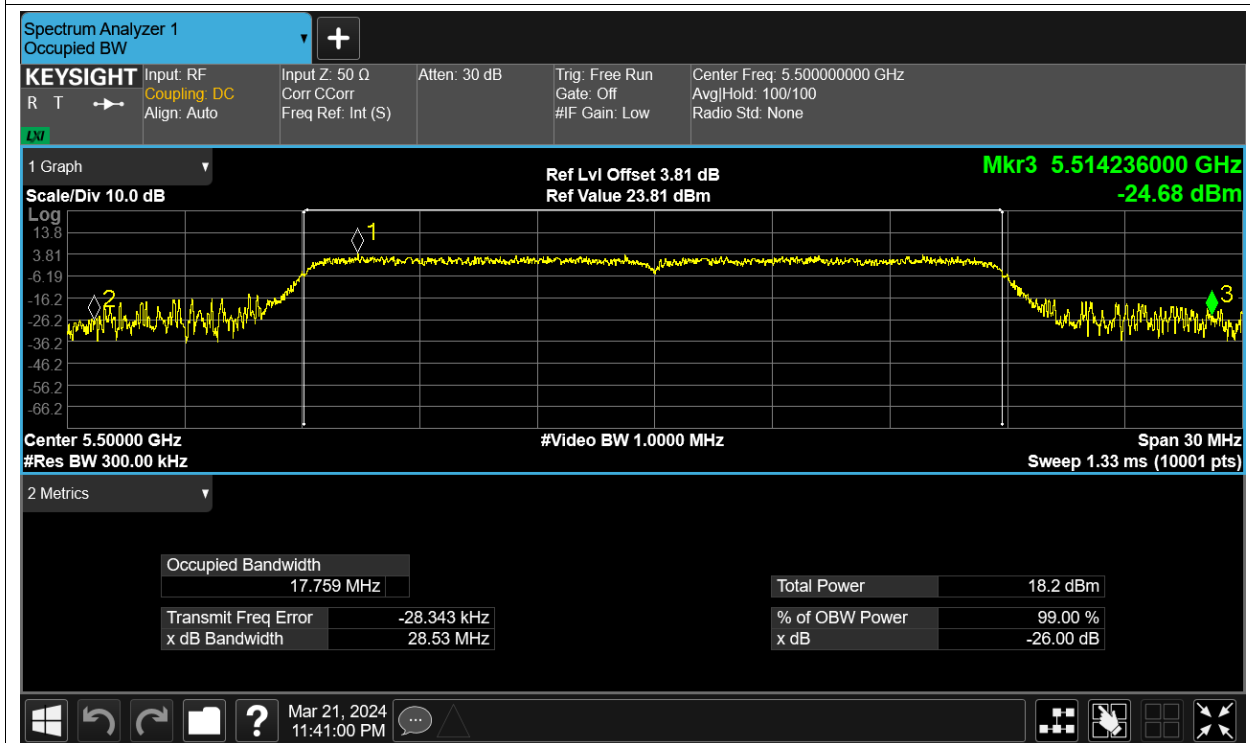
-26dB Bandwidth NVNT ac80 5530MHz Ant4



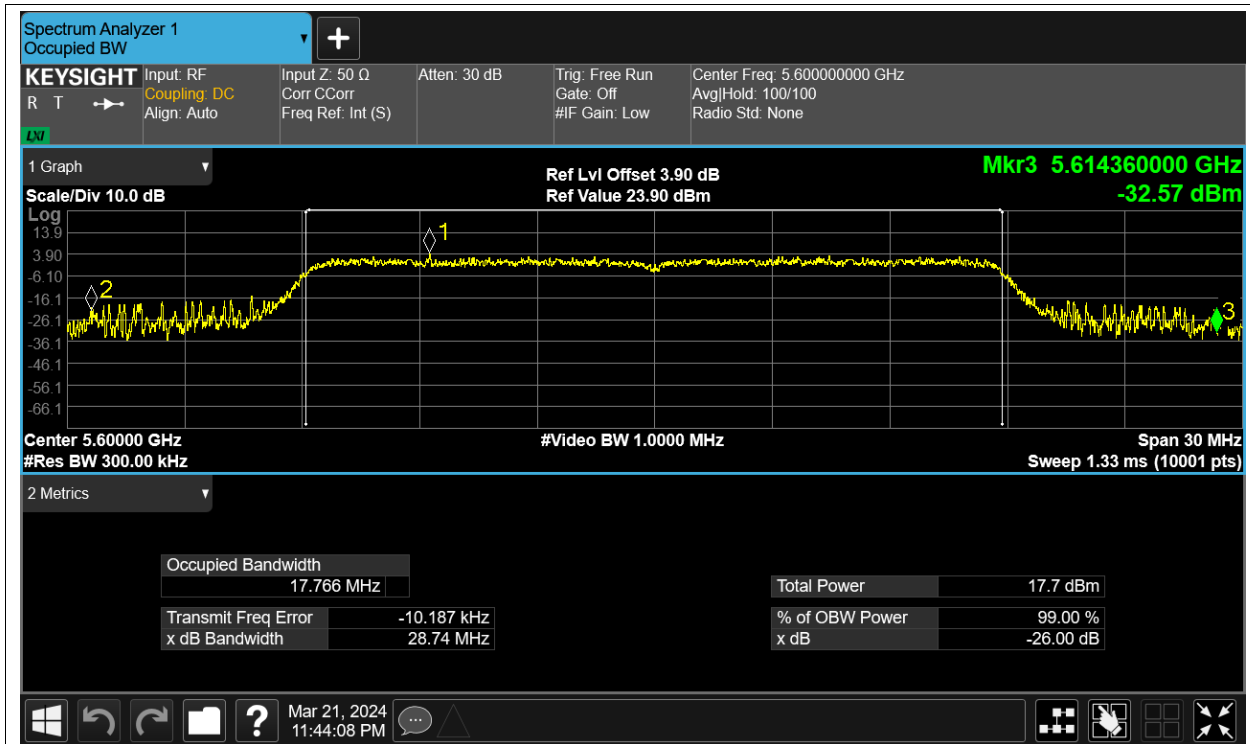
-26dB Bandwidth NVNT ac80 5610MHz Ant4



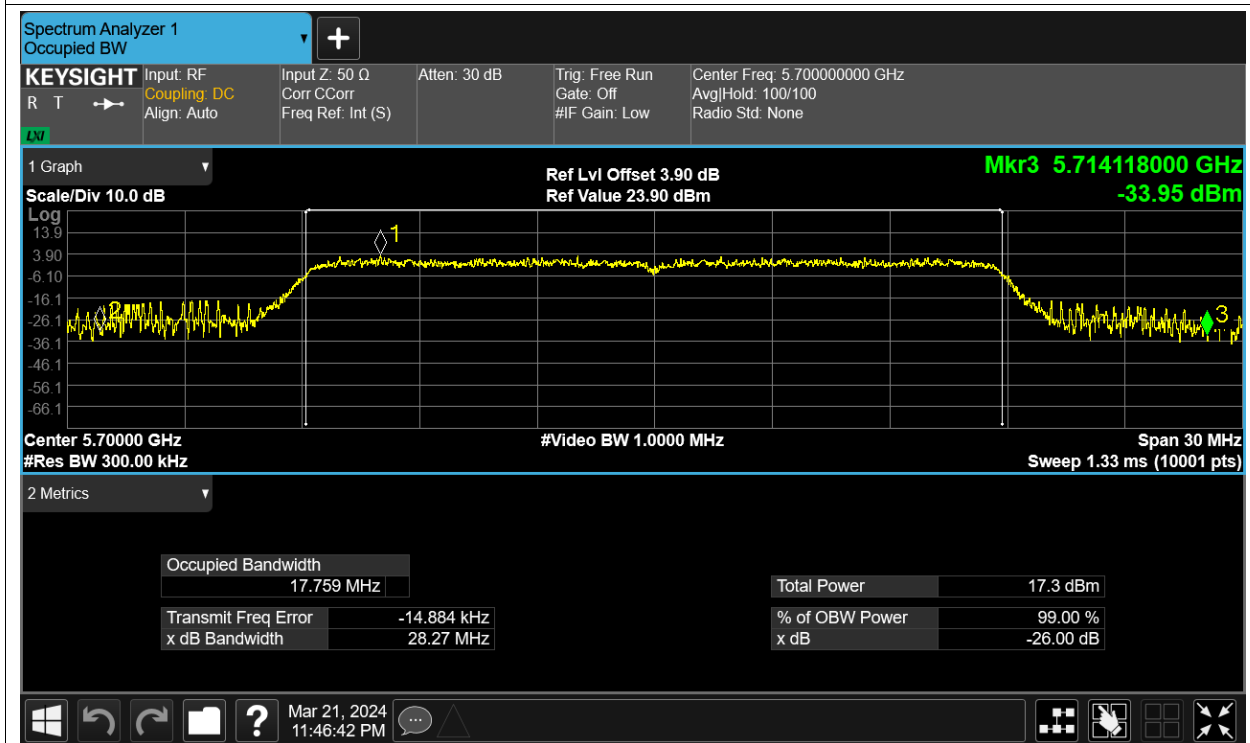
-26dB Bandwidth NVNT n20 5500MHz Ant4



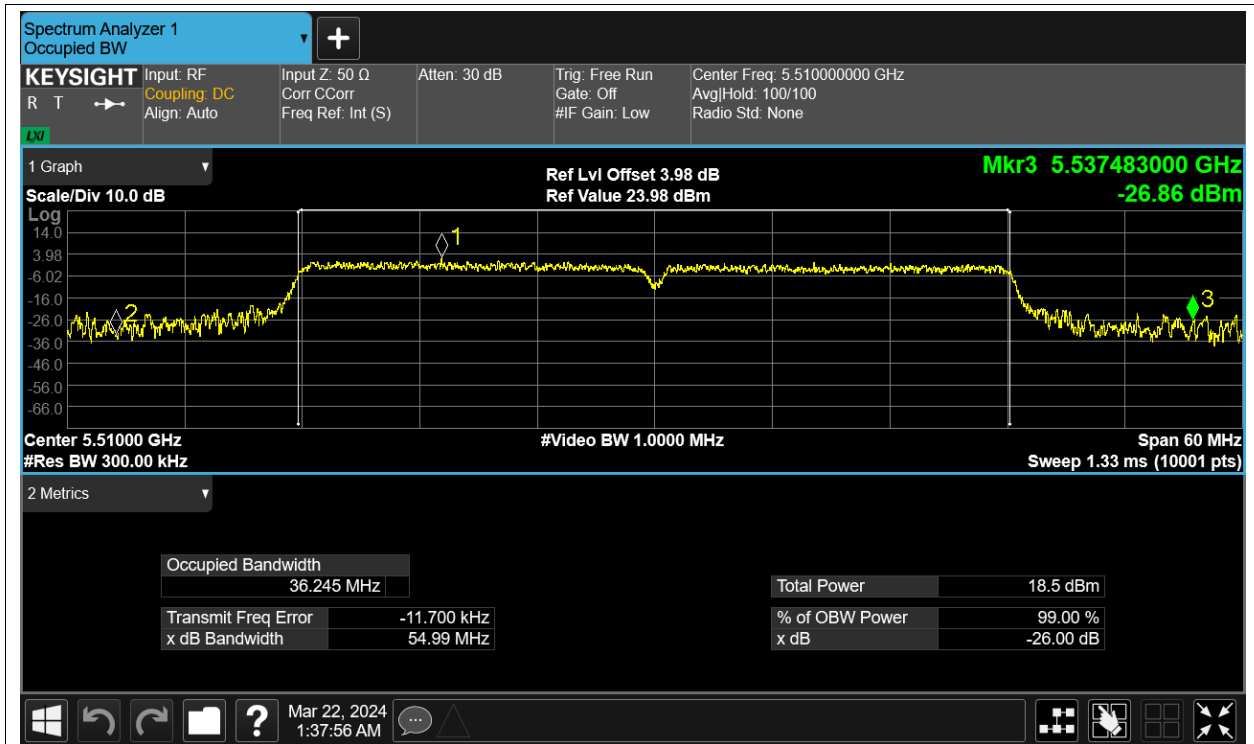
-26dB Bandwidth NVNT n20 5600MHz Ant4



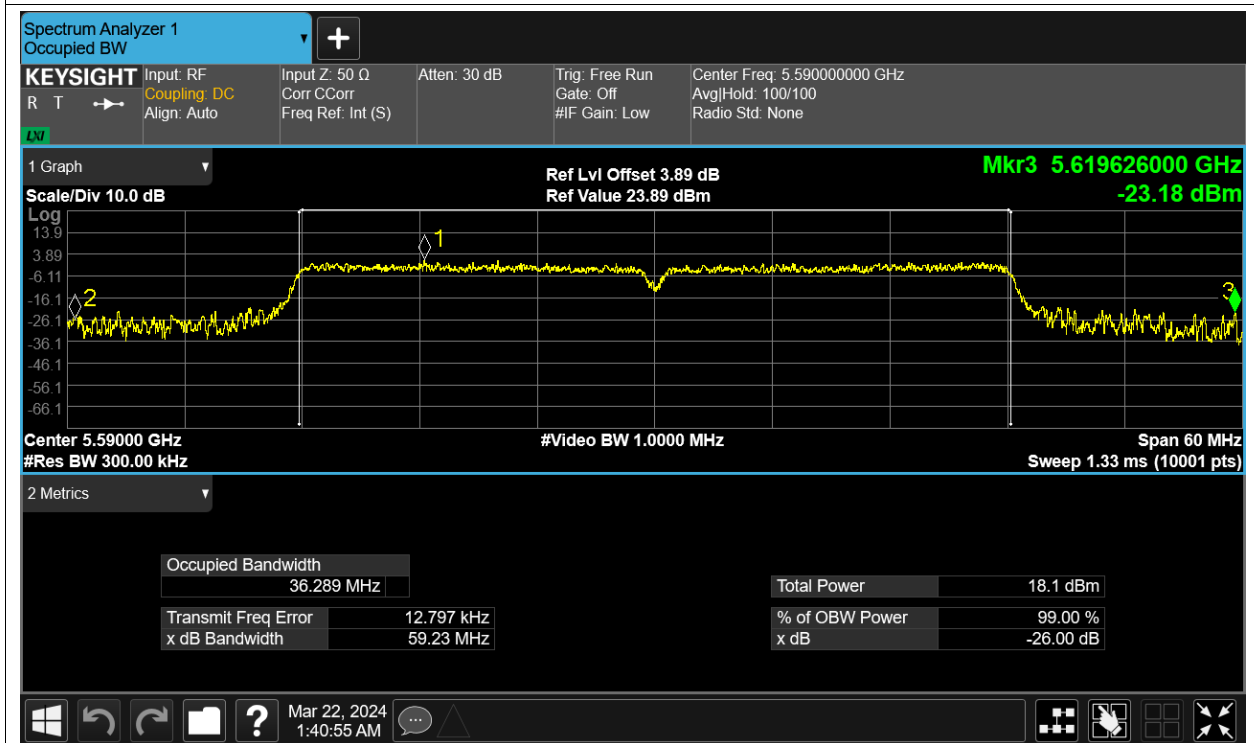
-26dB Bandwidth NVNT n20 5700MHz Ant4



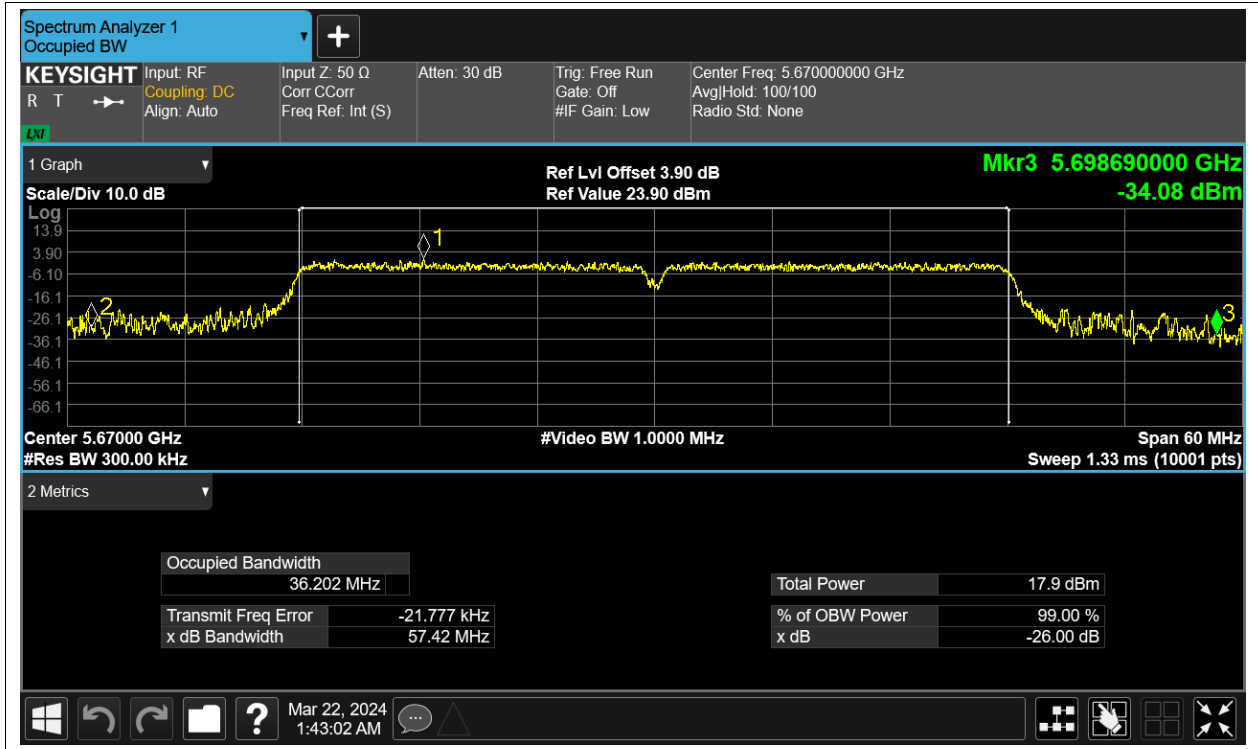
-26dB Bandwidth NVNT n40 5510MHz Ant4



-26dB Bandwidth NVNT n40 5590MHz Ant4



-26dB Bandwidth NVNT n40 5670MHz Ant4

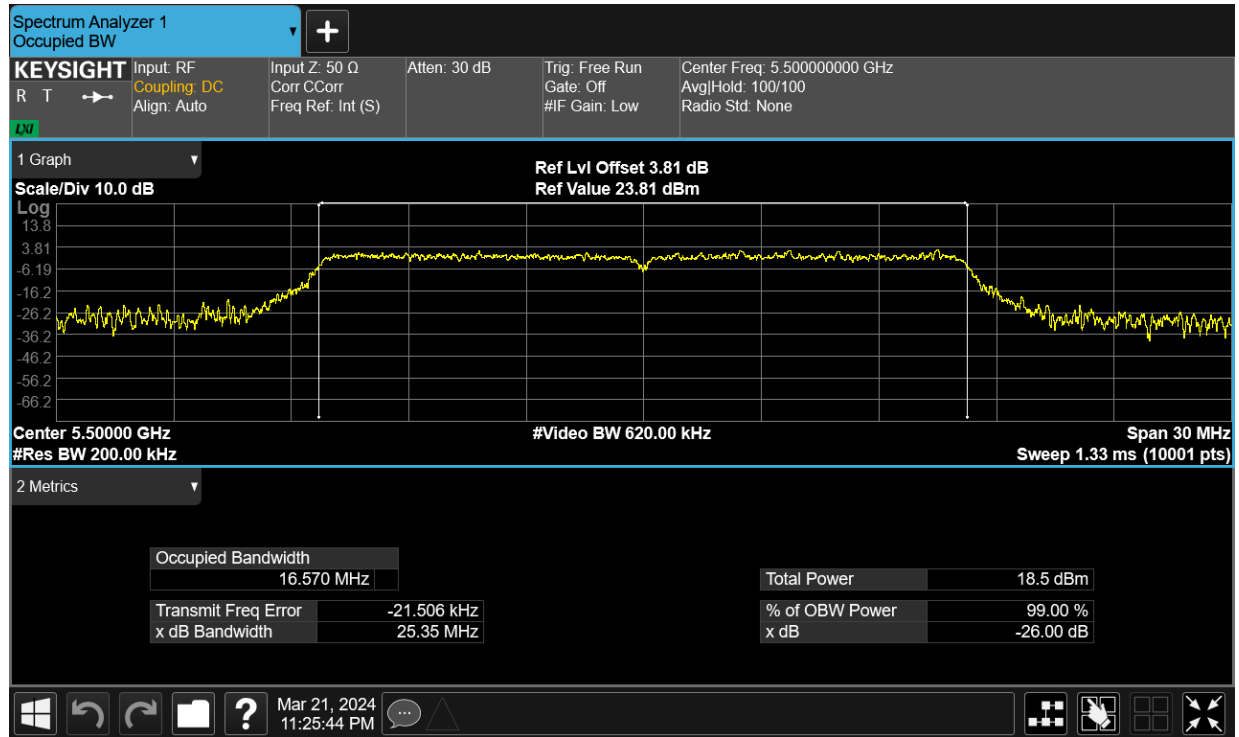


Occupied Channel Bandwidth

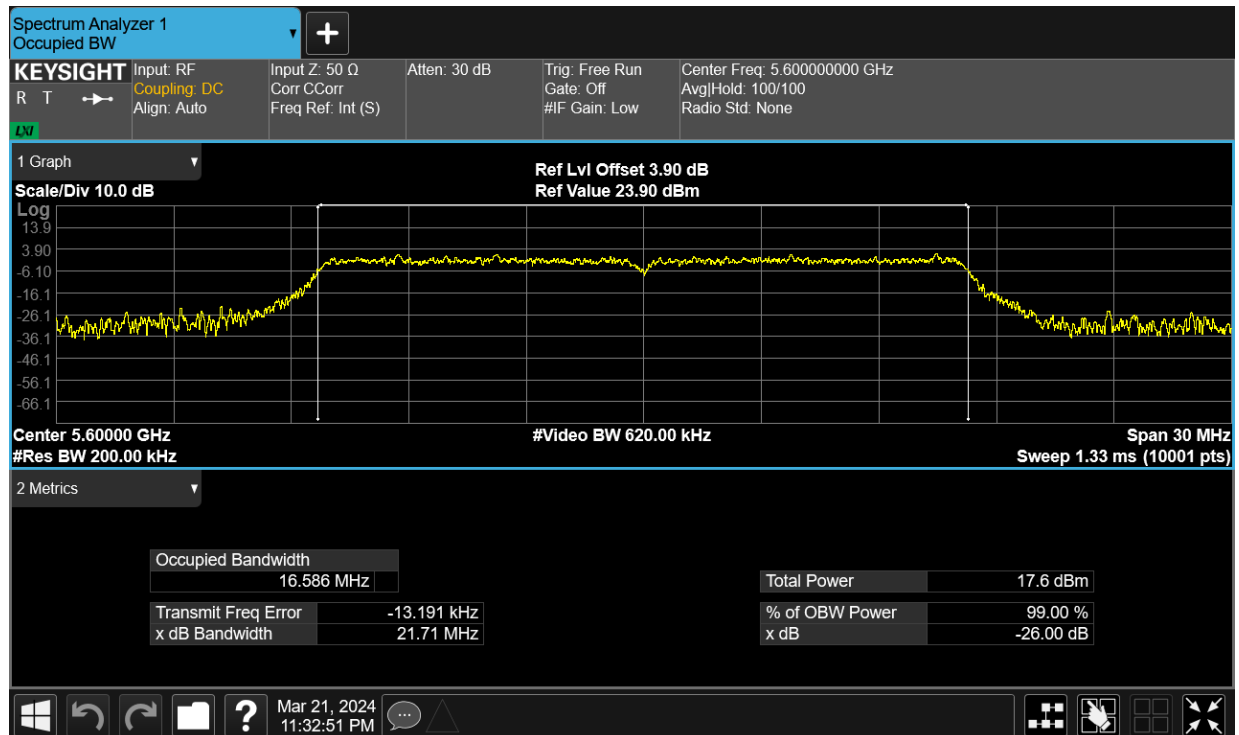
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant4	16.57
NVNT	a	5600	Ant4	16.586
NVNT	a	5700	Ant4	16.563
NVNT	ac20	5500	Ant4	17.623
NVNT	ac20	5600	Ant4	17.628
NVNT	ac20	5700	Ant4	17.635
NVNT	ac40	5510	Ant4	36.305
NVNT	ac40	5590	Ant4	36.357
NVNT	ac40	5670	Ant4	36.26
NVNT	ac80	5530	Ant4	75.442
NVNT	ac80	5610	Ant4	75.24
NVNT	n20	5500	Ant4	17.636
NVNT	n20	5600	Ant4	17.646
NVNT	n20	5700	Ant4	17.673
NVNT	n40	5510	Ant4	36.3
NVNT	n40	5590	Ant4	36.38
NVNT	n40	5670	Ant4	36.308

Test Graphs

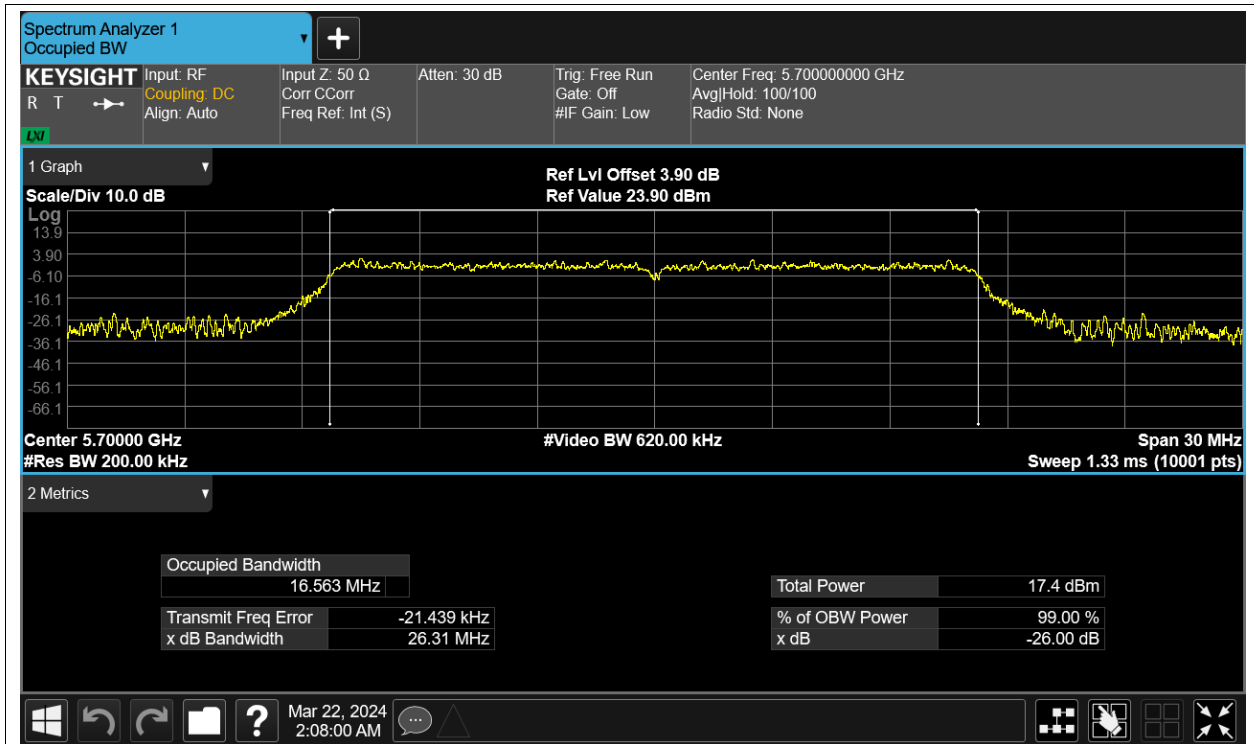
OBW NVNT a 5500MHz Ant4



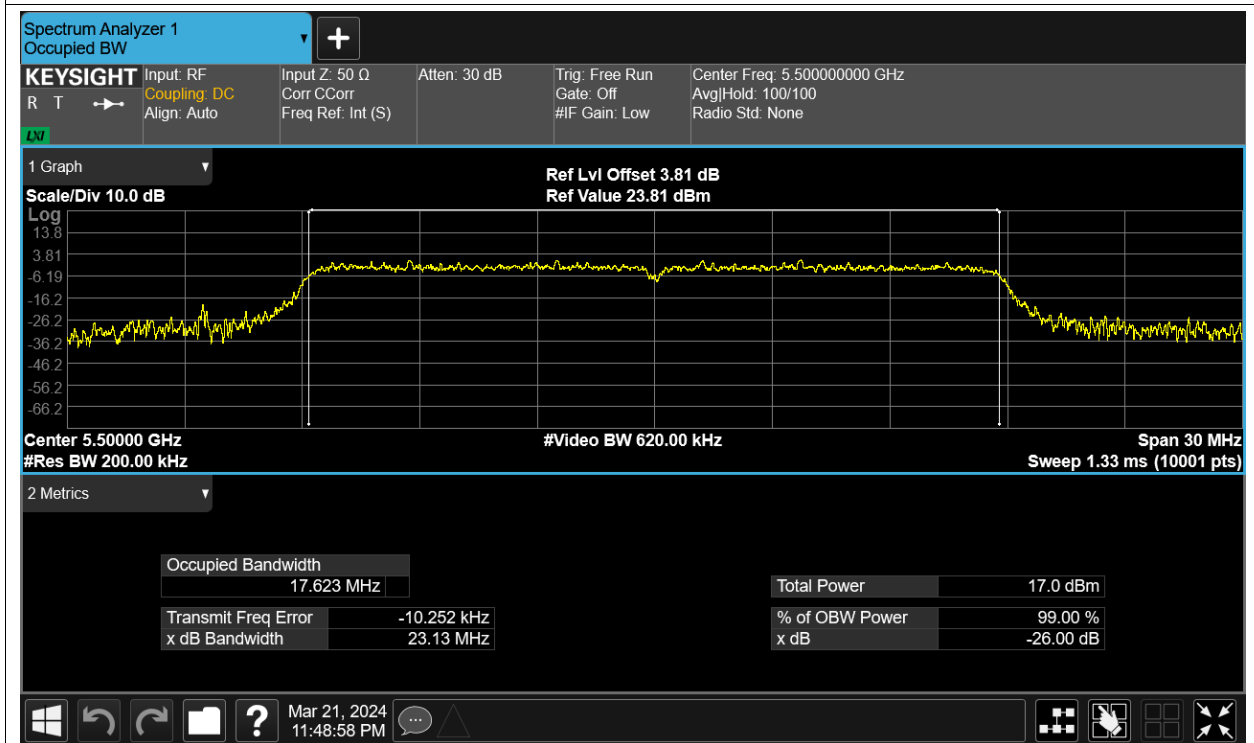
OBW NVNT a 5600MHz Ant4



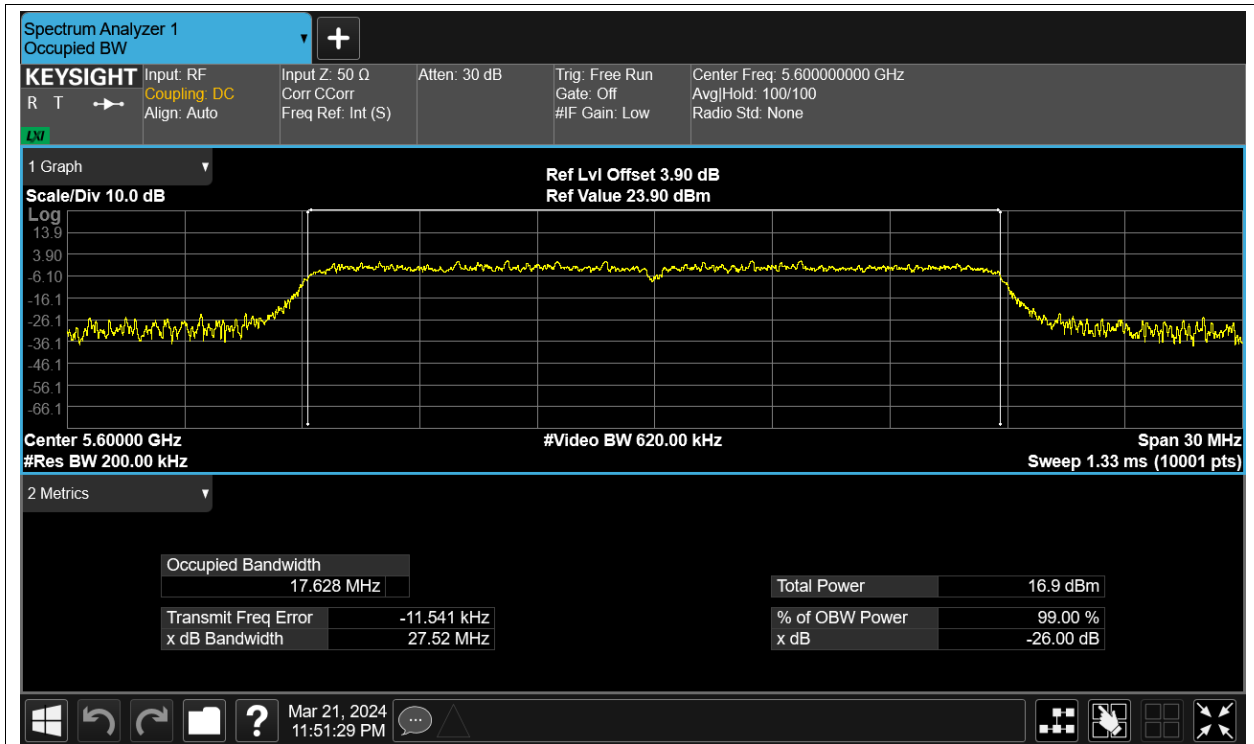
OBW NVNT a 5700MHz Ant4



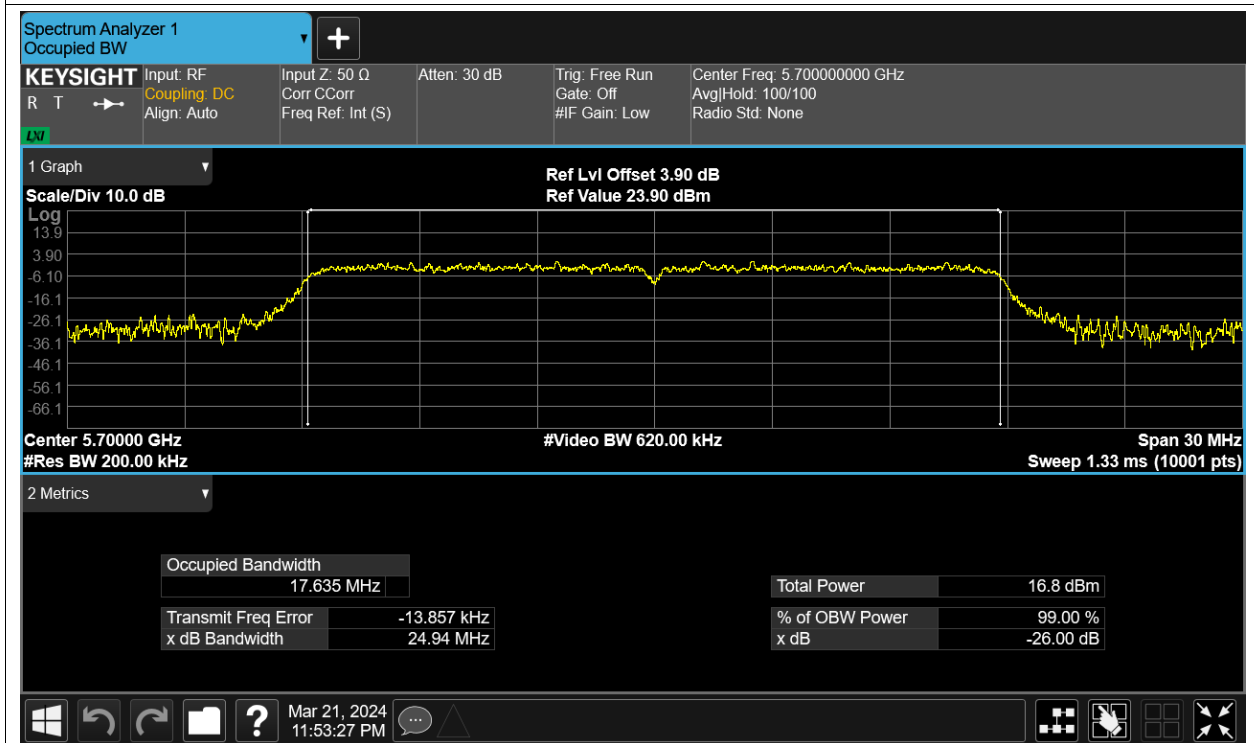
OBW NVNT ac20 5500MHz Ant4



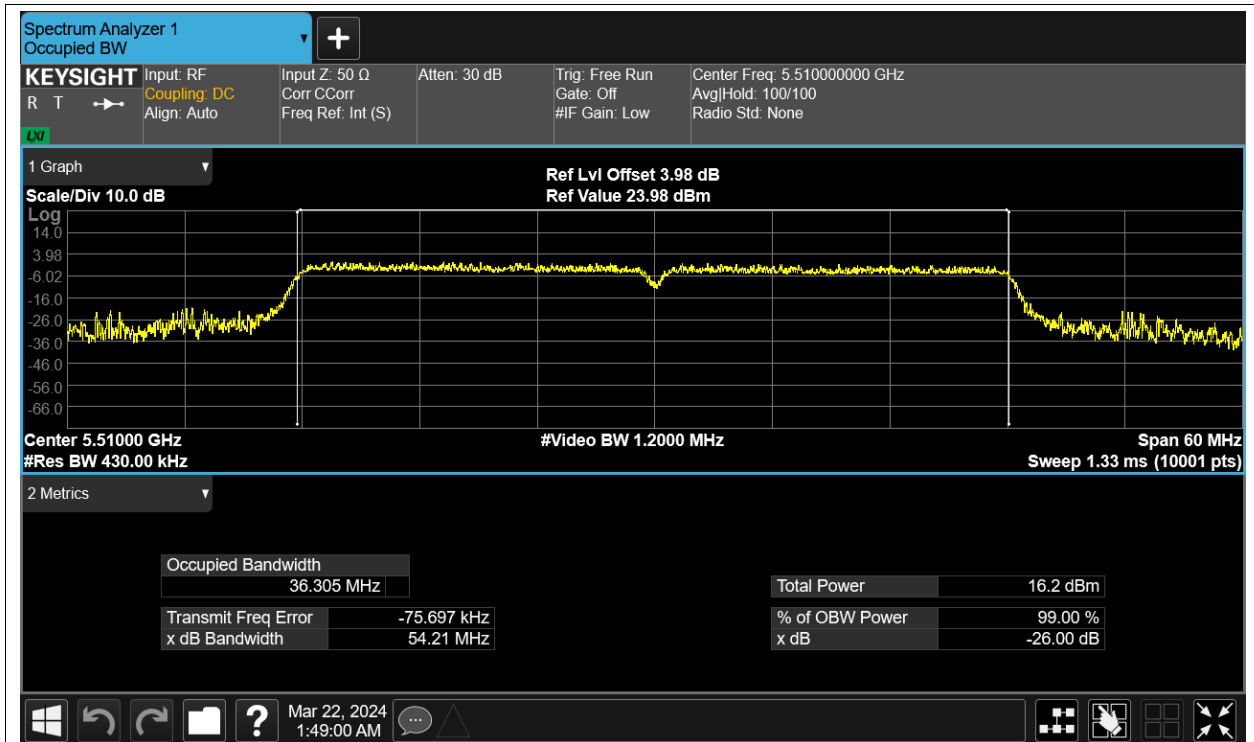
OBW NVNT ac20 5600MHz Ant4



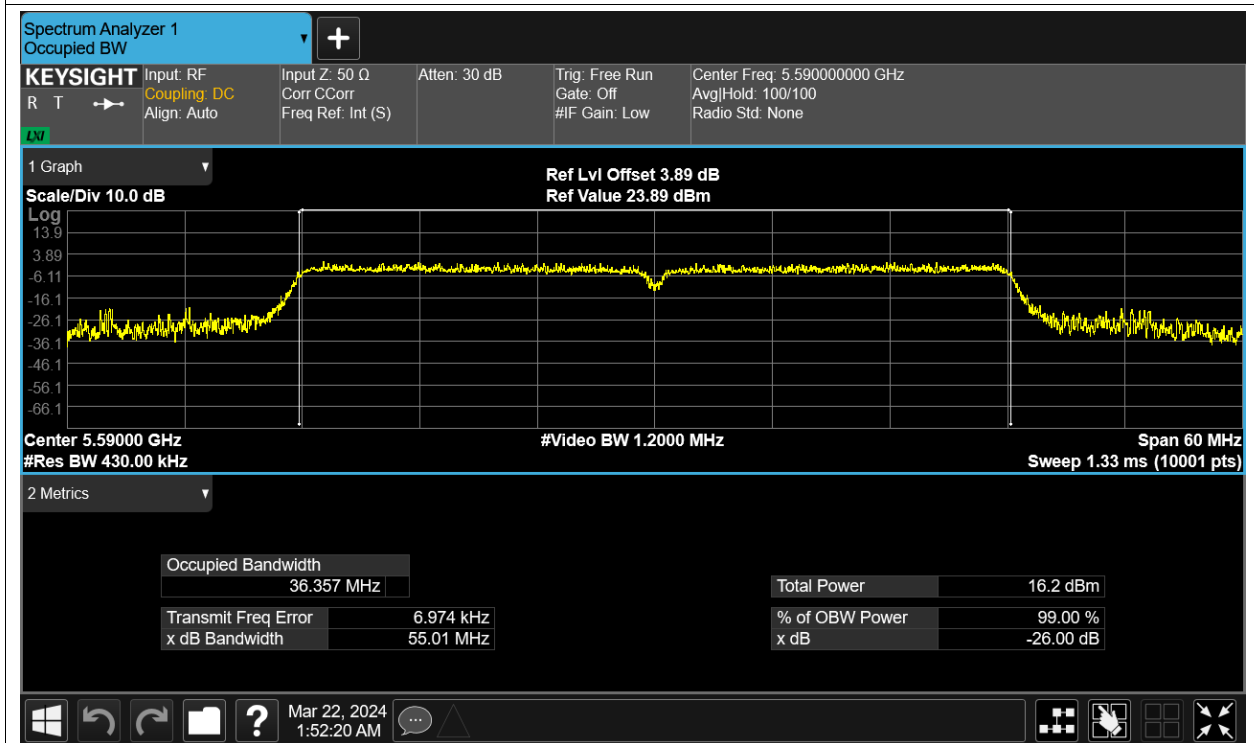
OBW NVNT ac20 5700MHz Ant4



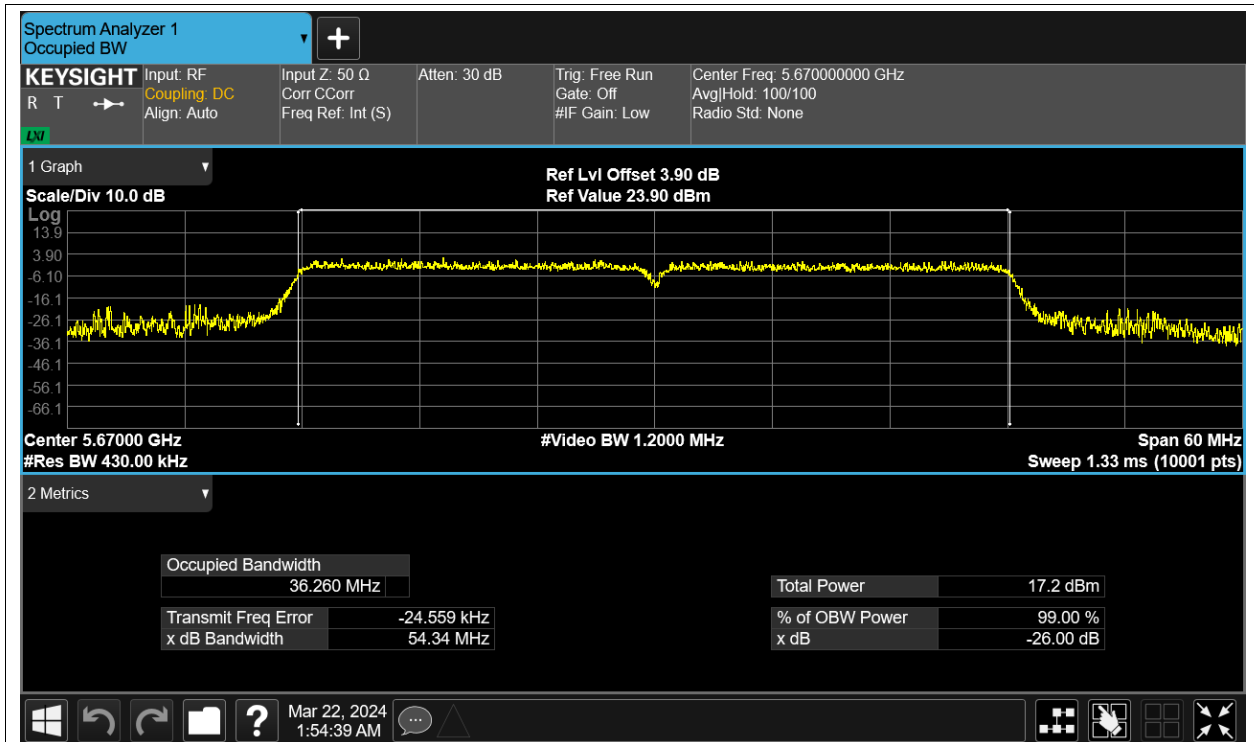
OBW NVNT ac40 5510MHz Ant4



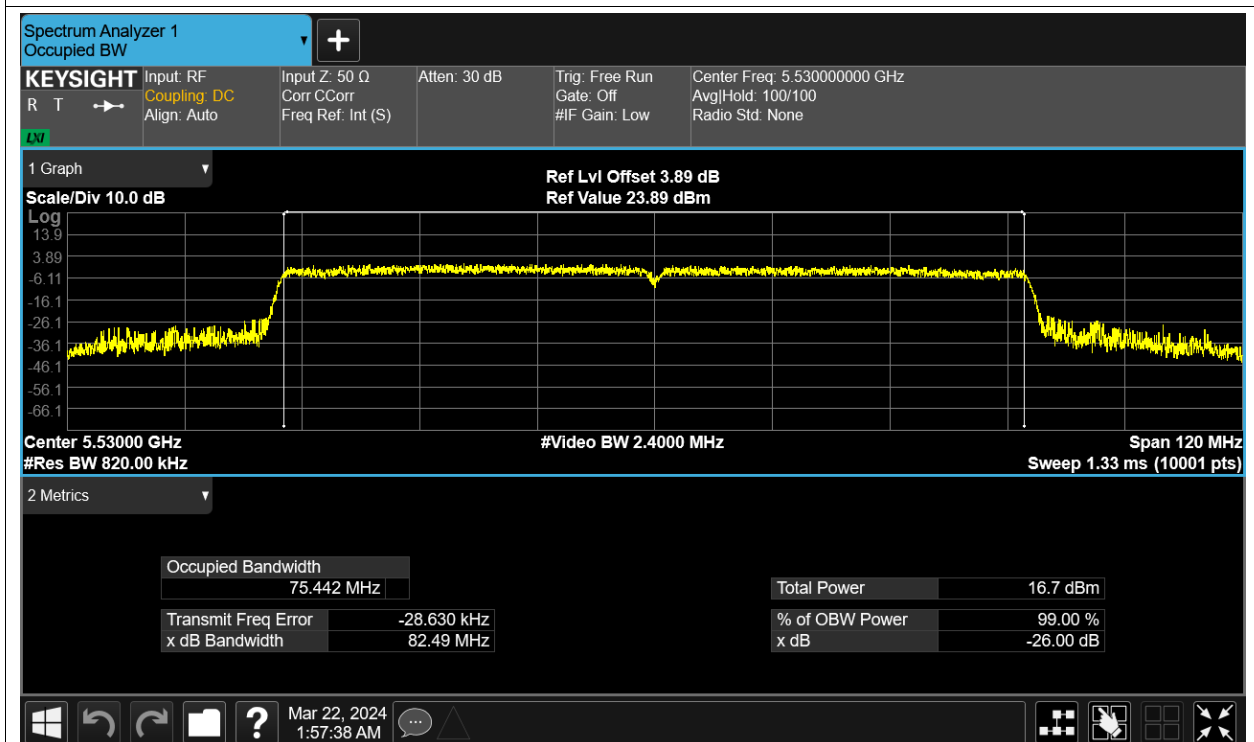
OBW NVNT ac40 5590MHz Ant4



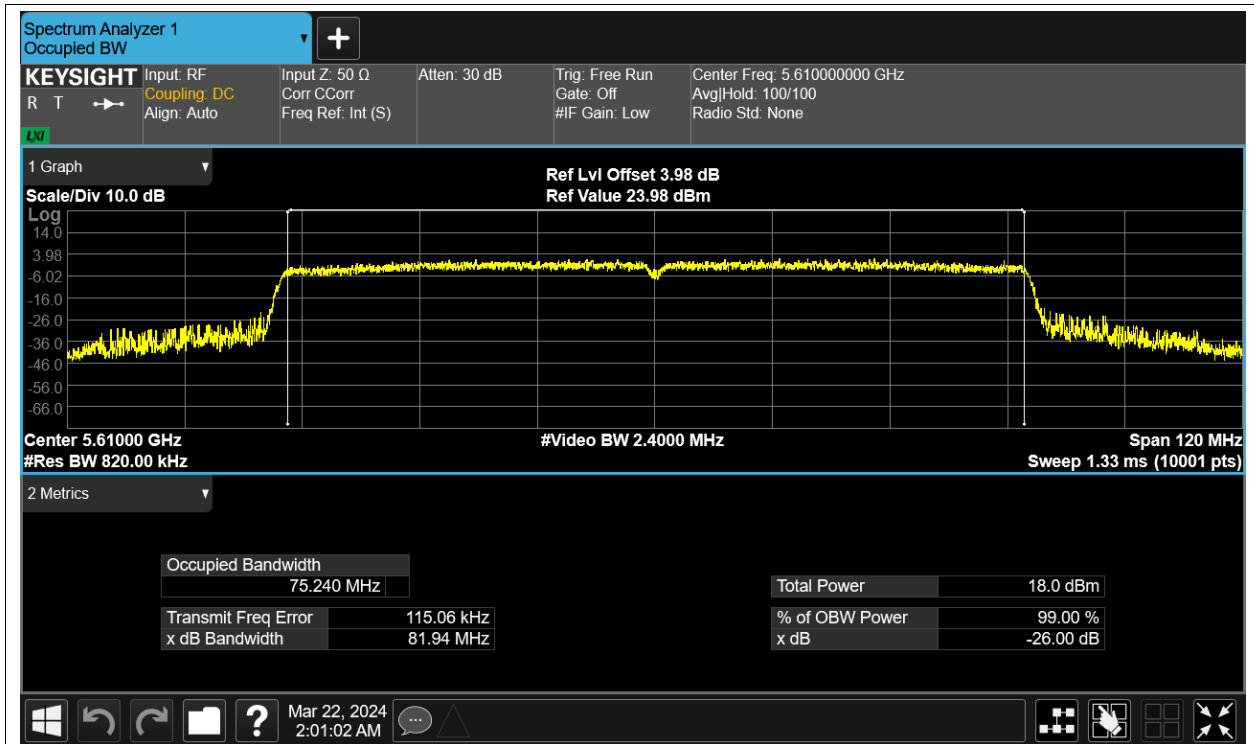
OBW NVNT ac40 5670MHz Ant4



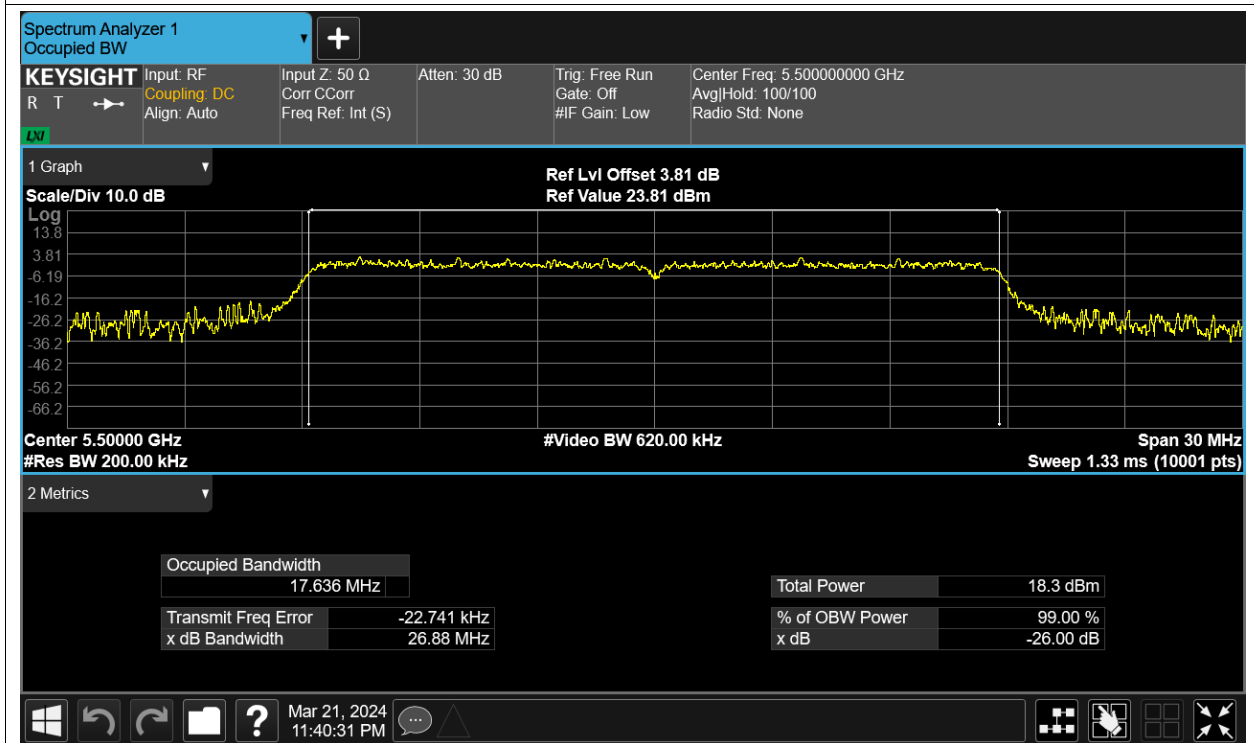
OBW NVNT ac80 5530MHz Ant4



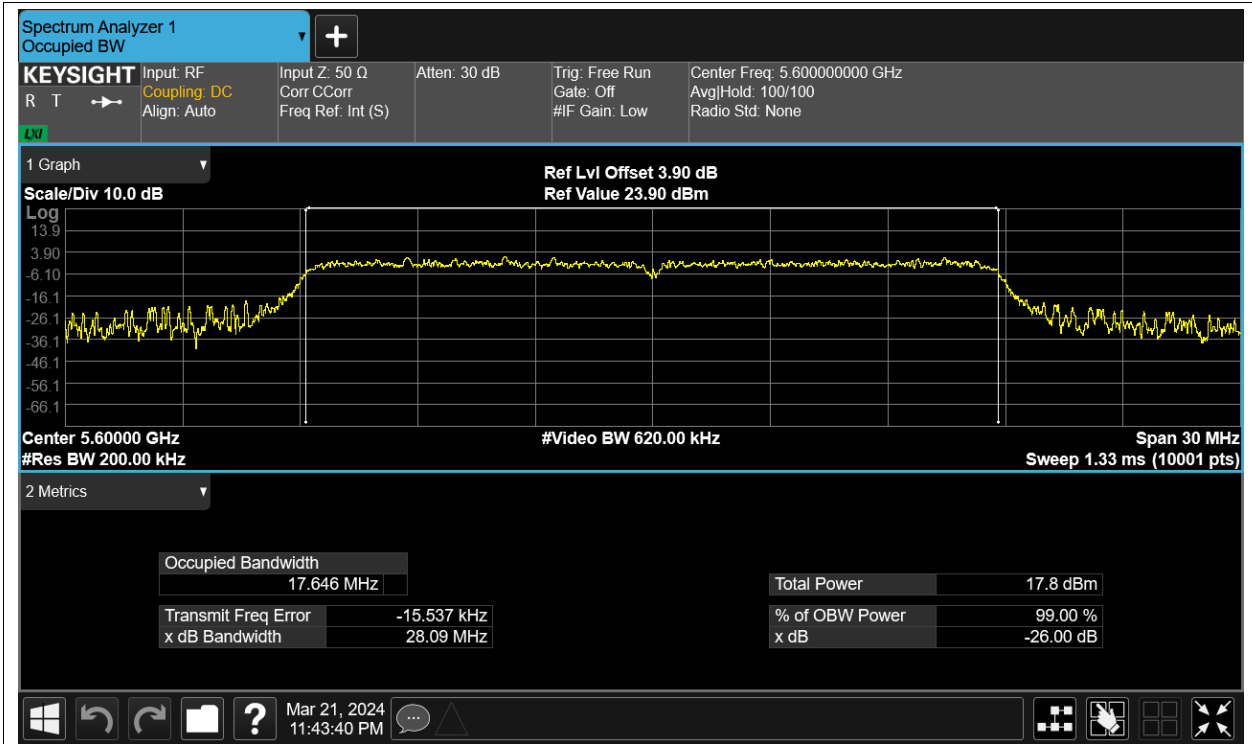
OBW NVNT ac80 5610MHz Ant4



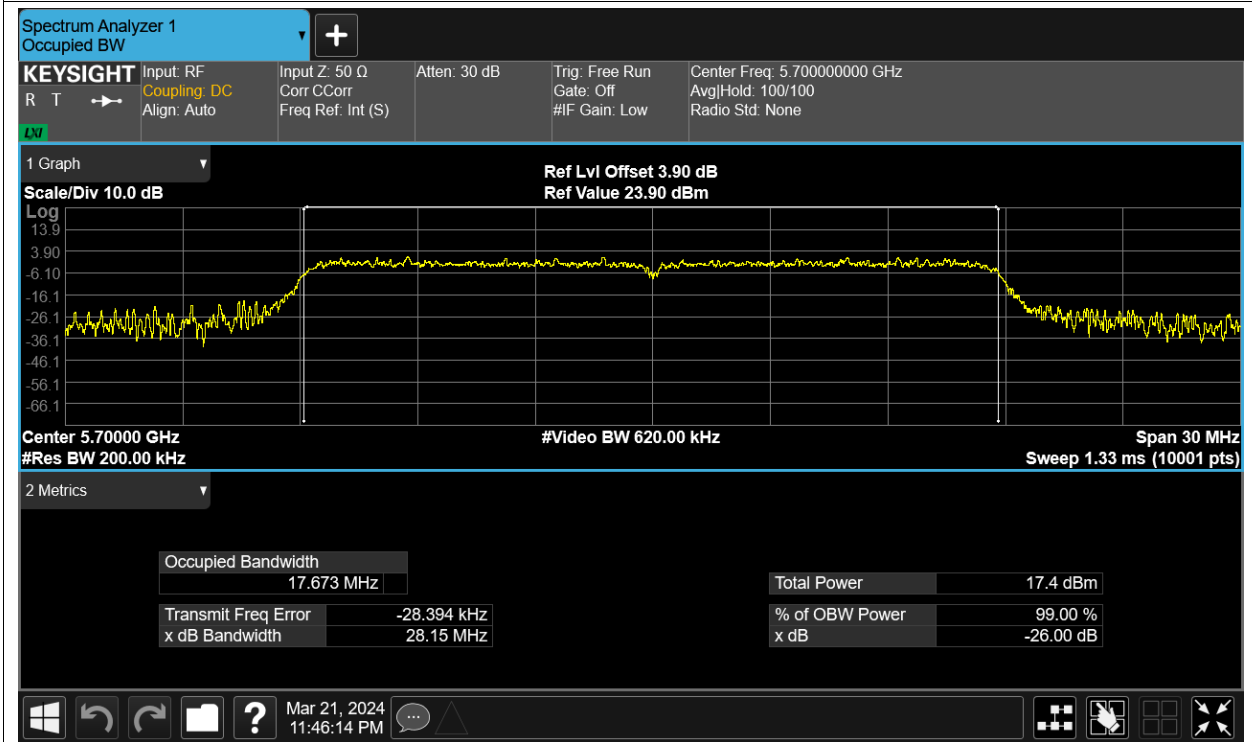
OBW NVNT n20 5500MHz Ant4



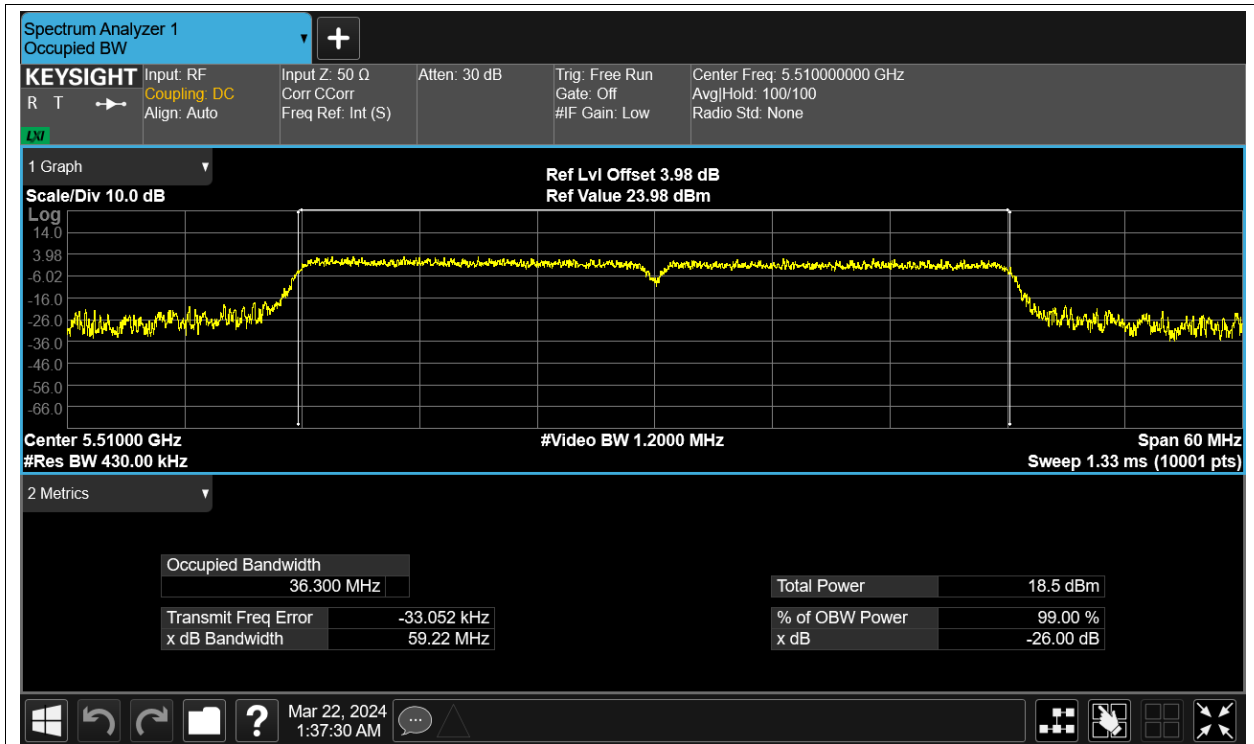
OBW NVNT n20 5600MHz Ant4



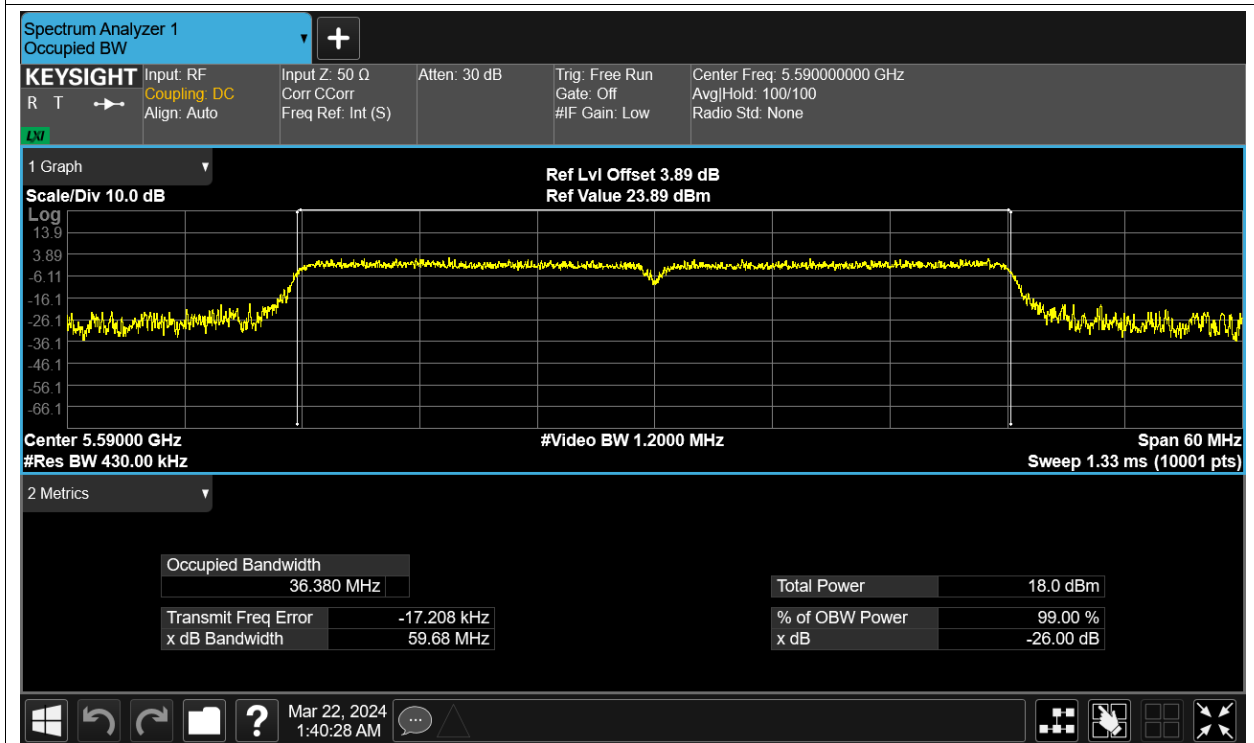
OBW NVNT n20 5700MHz Ant4



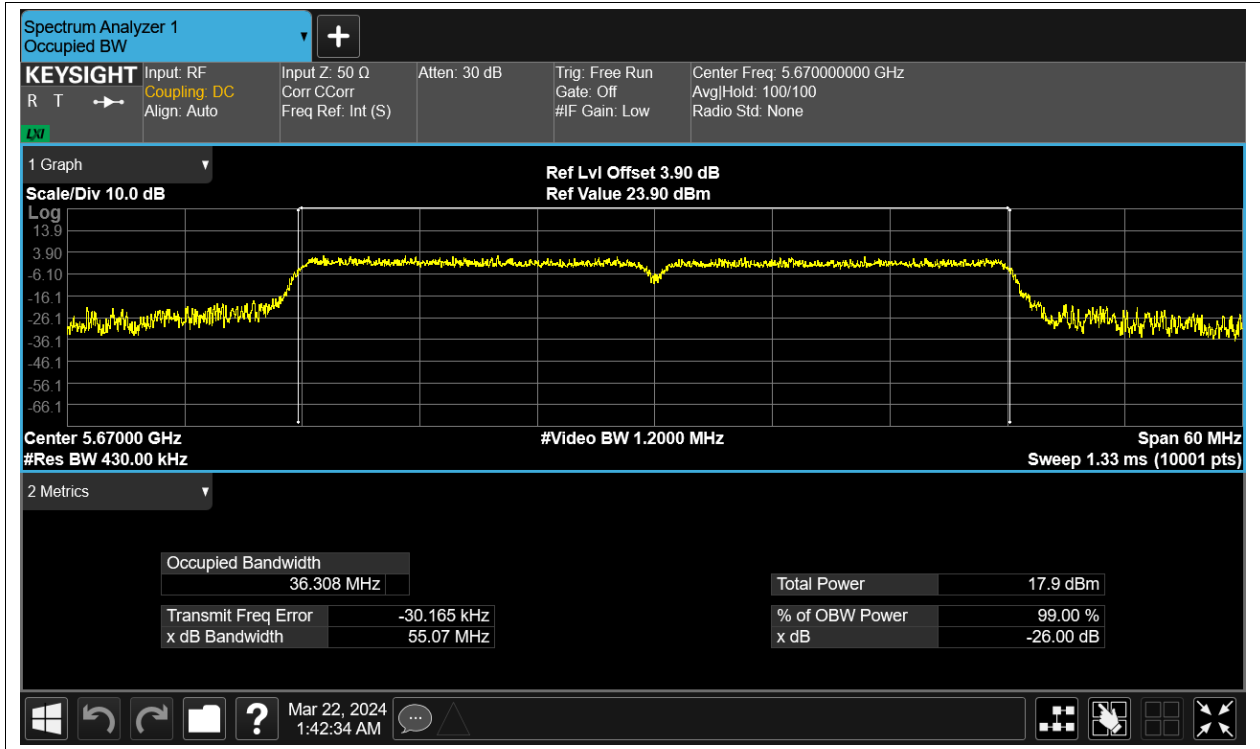
OBW NVNT n40 5510MHz Ant4



OBW NVNT n40 5590MHz Ant4

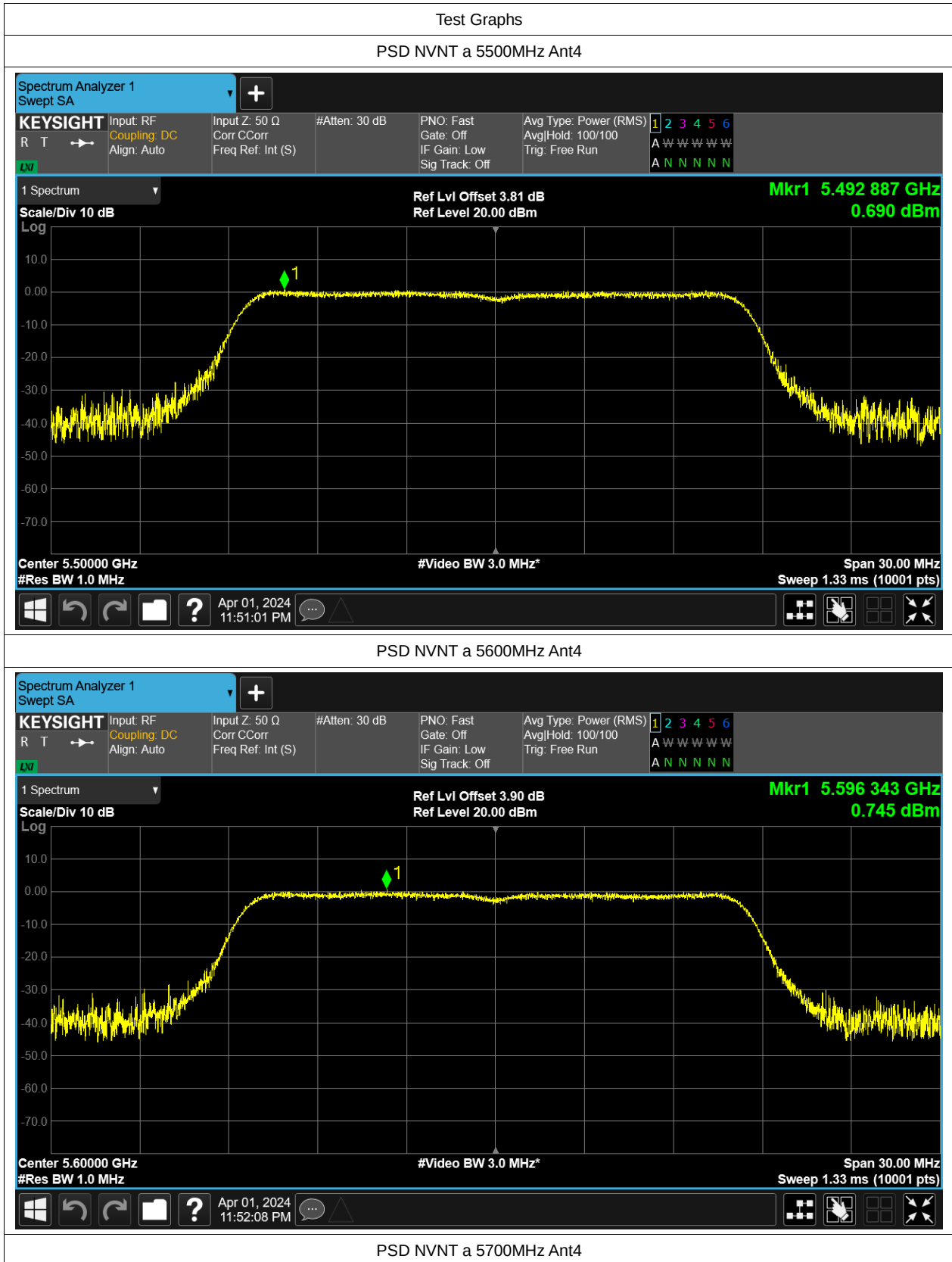


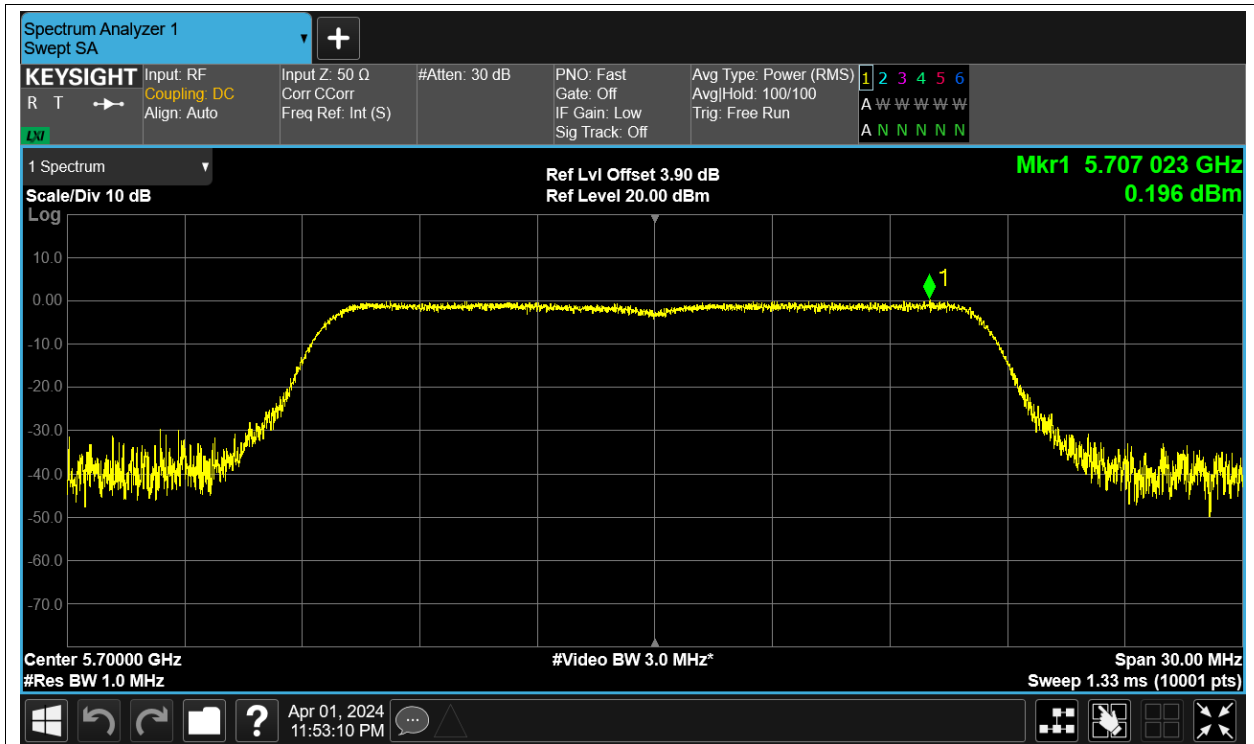
OBW NVNT n40 5670MHz Ant4



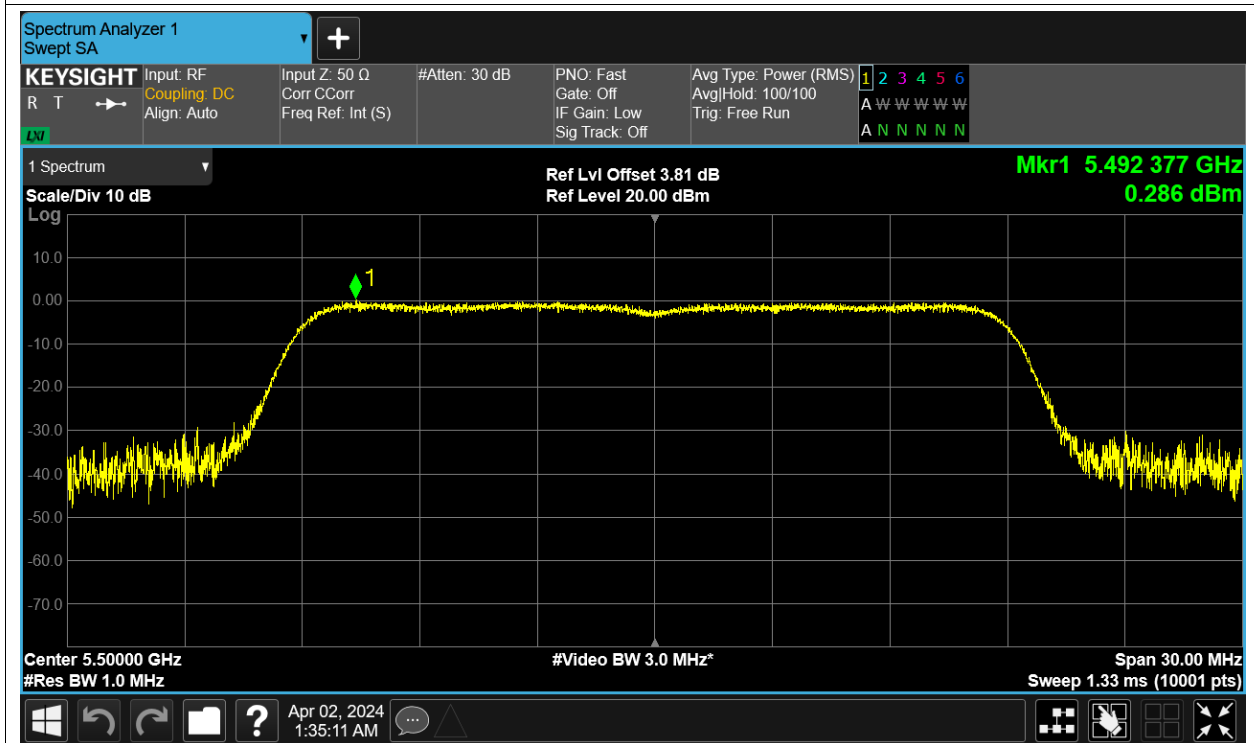
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant4	0.69	11	Pass
NVNT	a	5600	Ant4	0.745	11	Pass
NVNT	a	5700	Ant4	0.196	11	Pass
NVNT	ac20	5500	Ant4	0.286	11	Pass
NVNT	ac20	5600	Ant4	-0.01	11	Pass
NVNT	ac20	5700	Ant4	-0.017	11	Pass
NVNT	ac40	5510	Ant4	-7.628	11	Pass
NVNT	ac40	5590	Ant4	-7.992	11	Pass
NVNT	ac40	5670	Ant4	-8.151	11	Pass
NVNT	ac80	5530	Ant4	-11.558	11	Pass
NVNT	ac80	5610	Ant4	-11.205	11	Pass
NVNT	n20	5500	Ant4	0.687	11	Pass
NVNT	n20	5600	Ant4	0.038	11	Pass
NVNT	n20	5700	Ant4	-0.09	11	Pass
NVNT	n40	5510	Ant4	-7.331	11	Pass
NVNT	n40	5590	Ant4	-8.592	11	Pass
NVNT	n40	5667	Ant4	-8.569	11	Pass

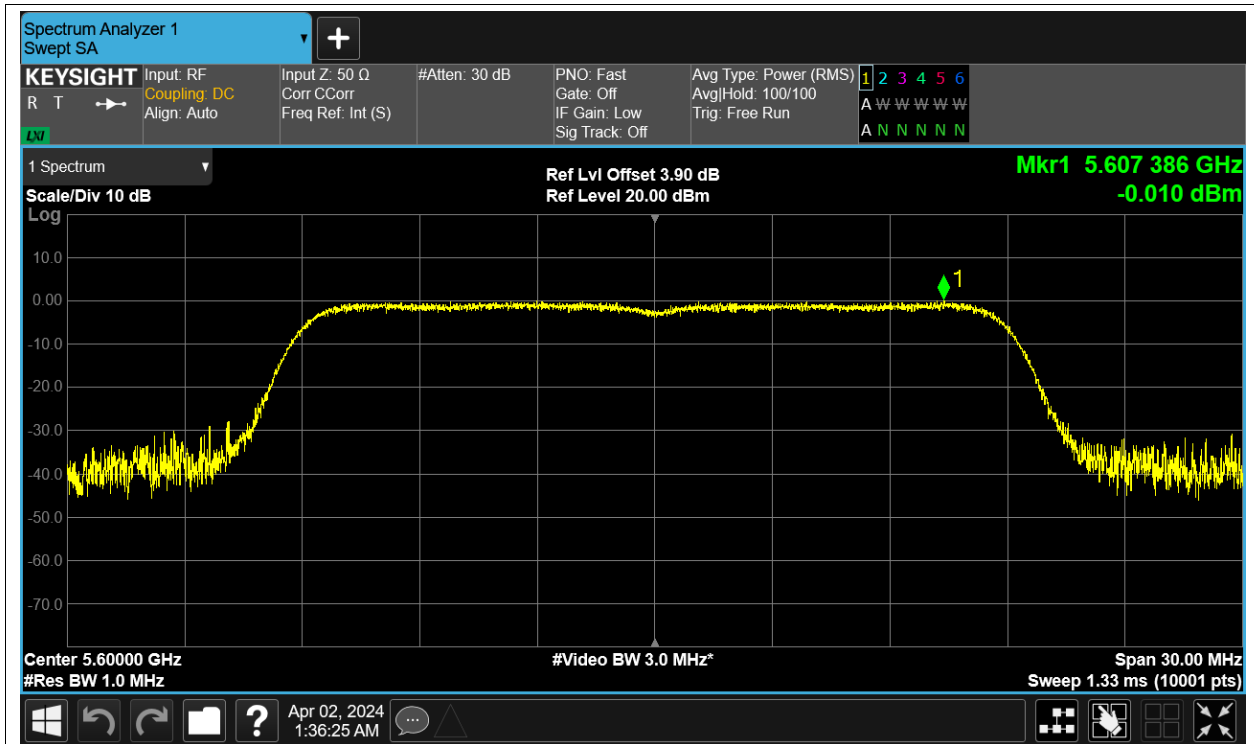




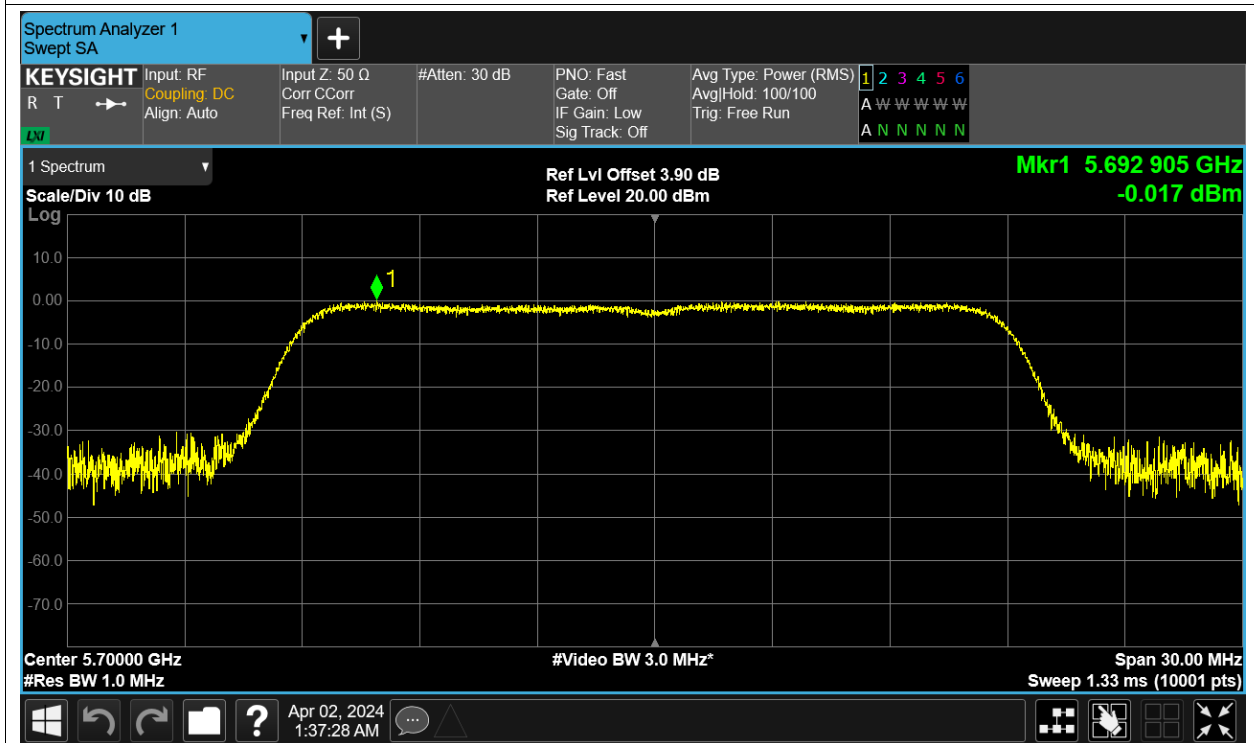
PSD NVNT ac20 5500MHz Ant4



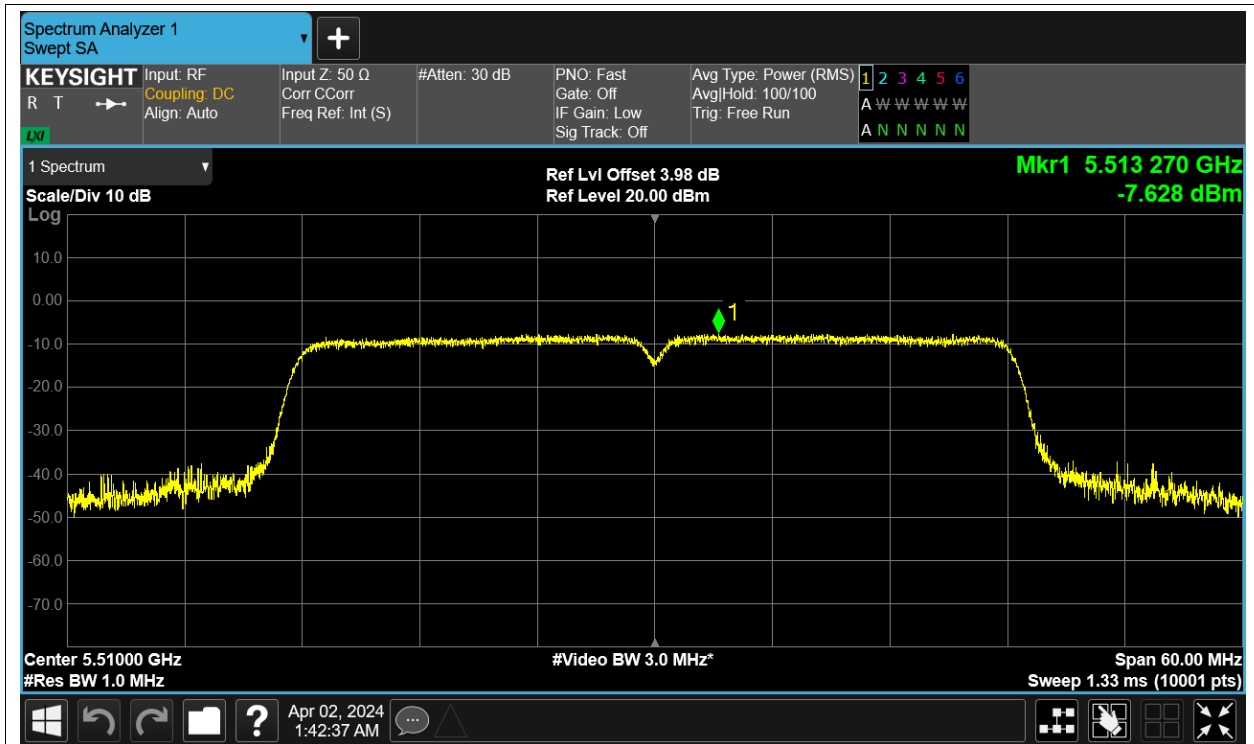
PSD NVNT ac20 5600MHz Ant4



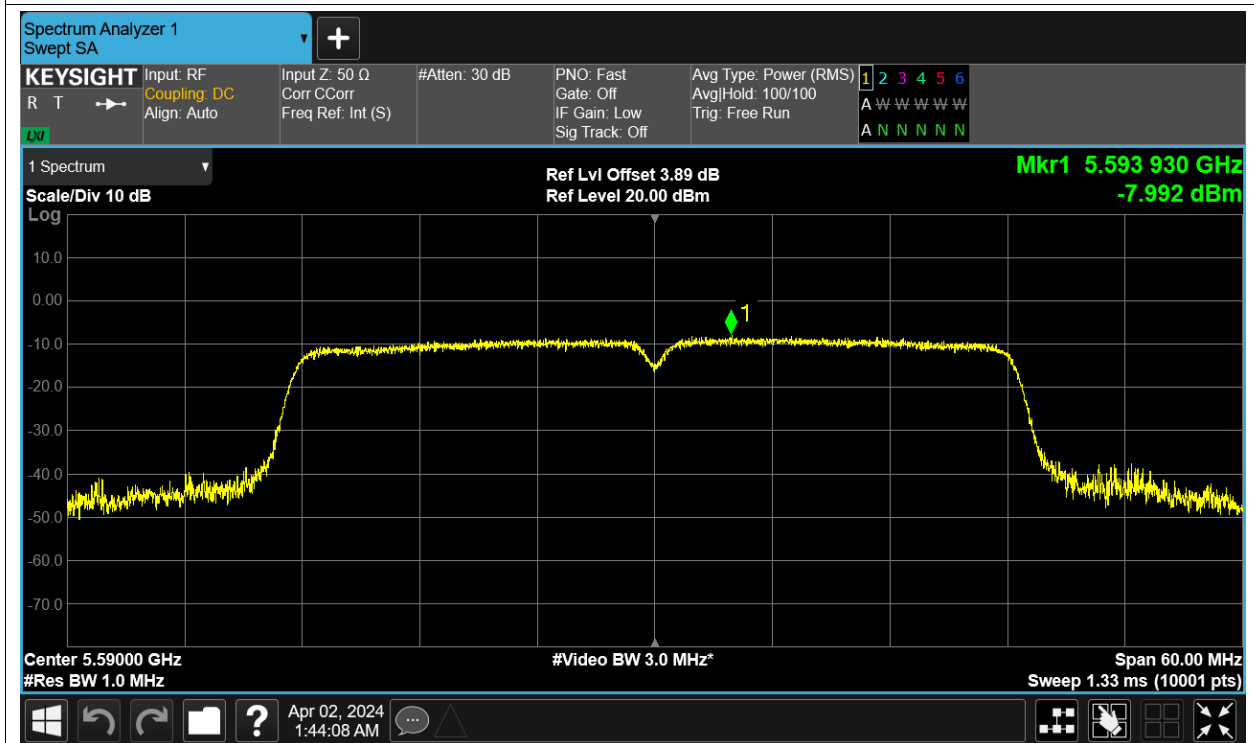
PSD NVNT ac20 5700MHz Ant4



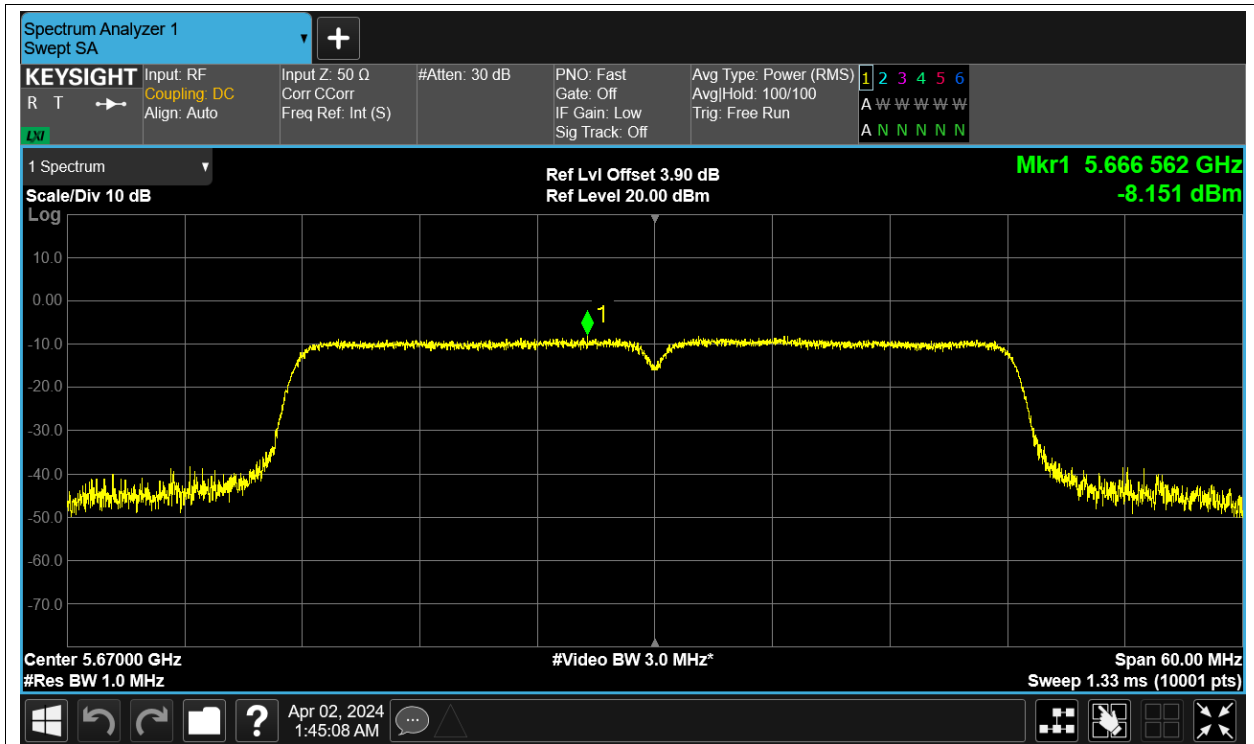
PSD NVNT ac40 5510MHz Ant4



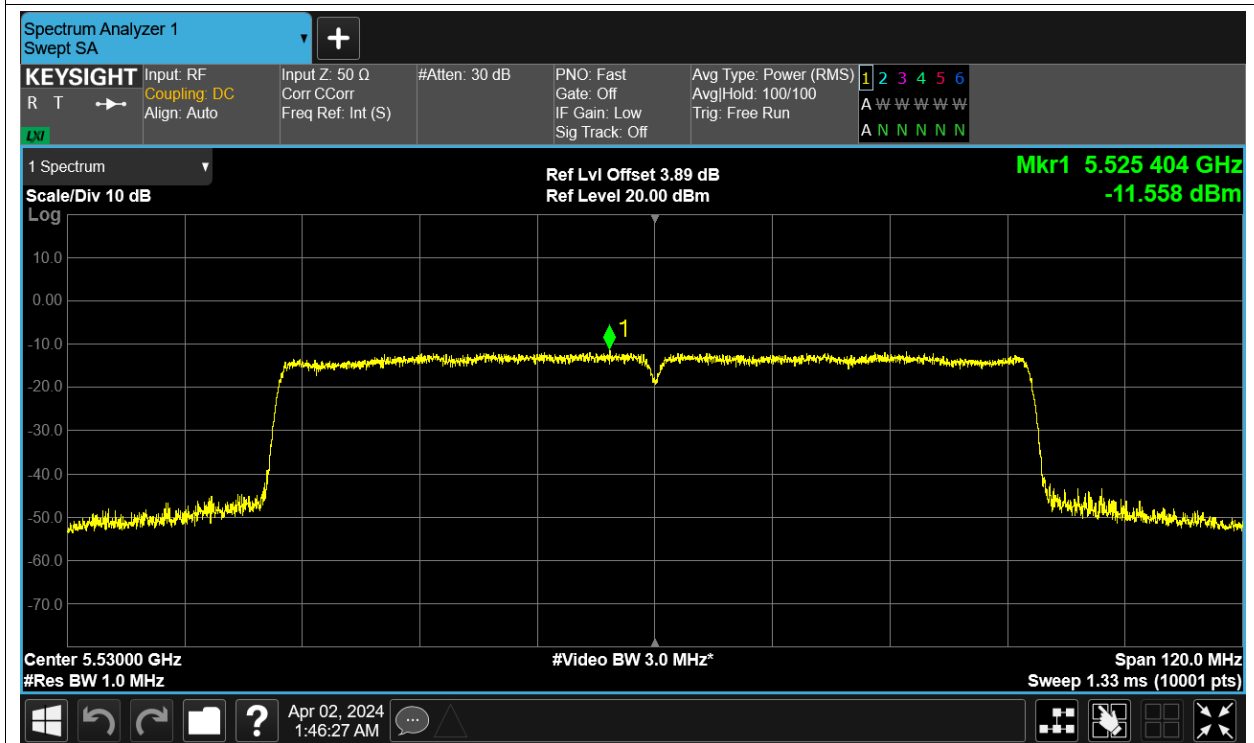
PSD NVNT ac40 5590MHz Ant4



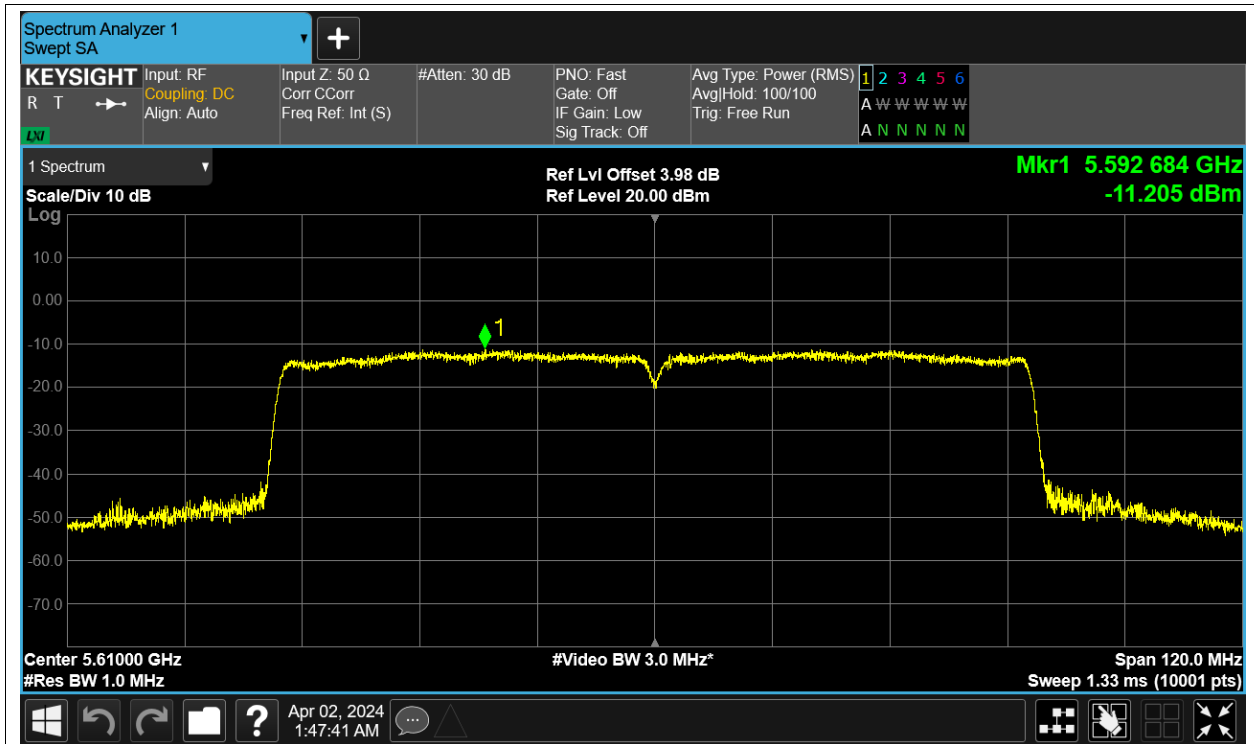
PSD NVNT ac40 5670MHz Ant4



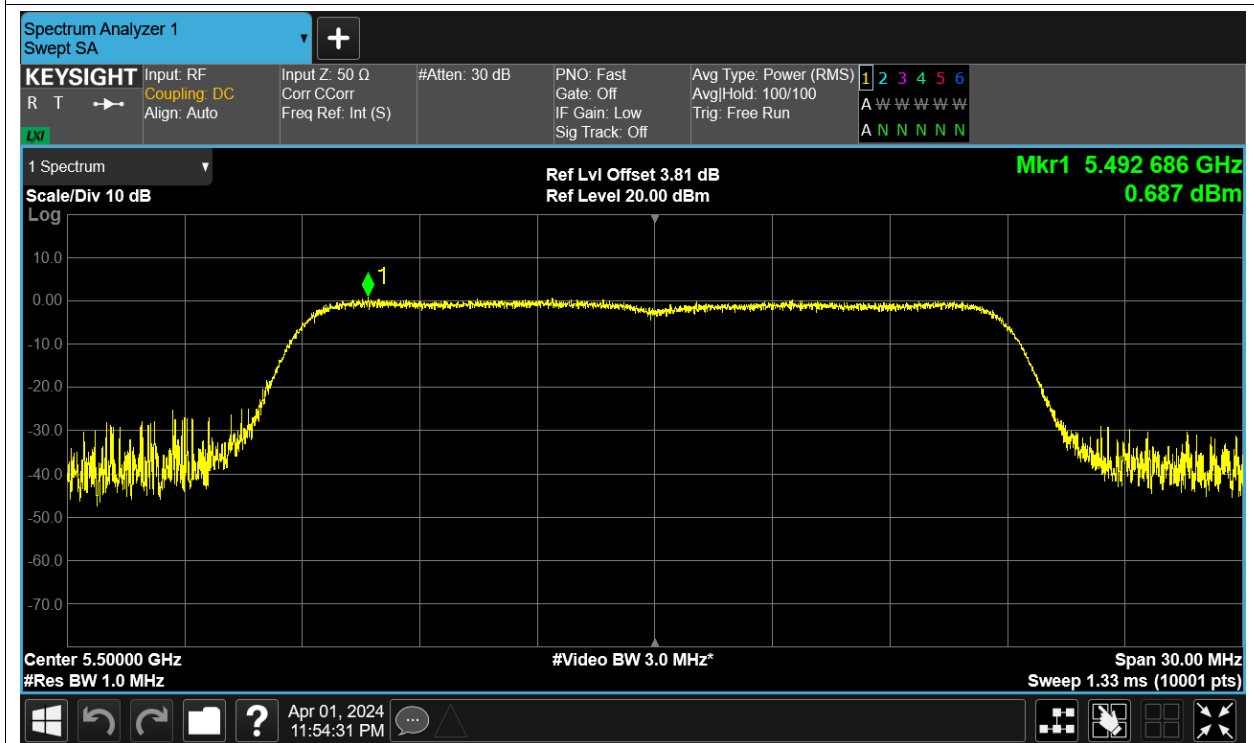
PSD NVNT ac80 5530MHz Ant4



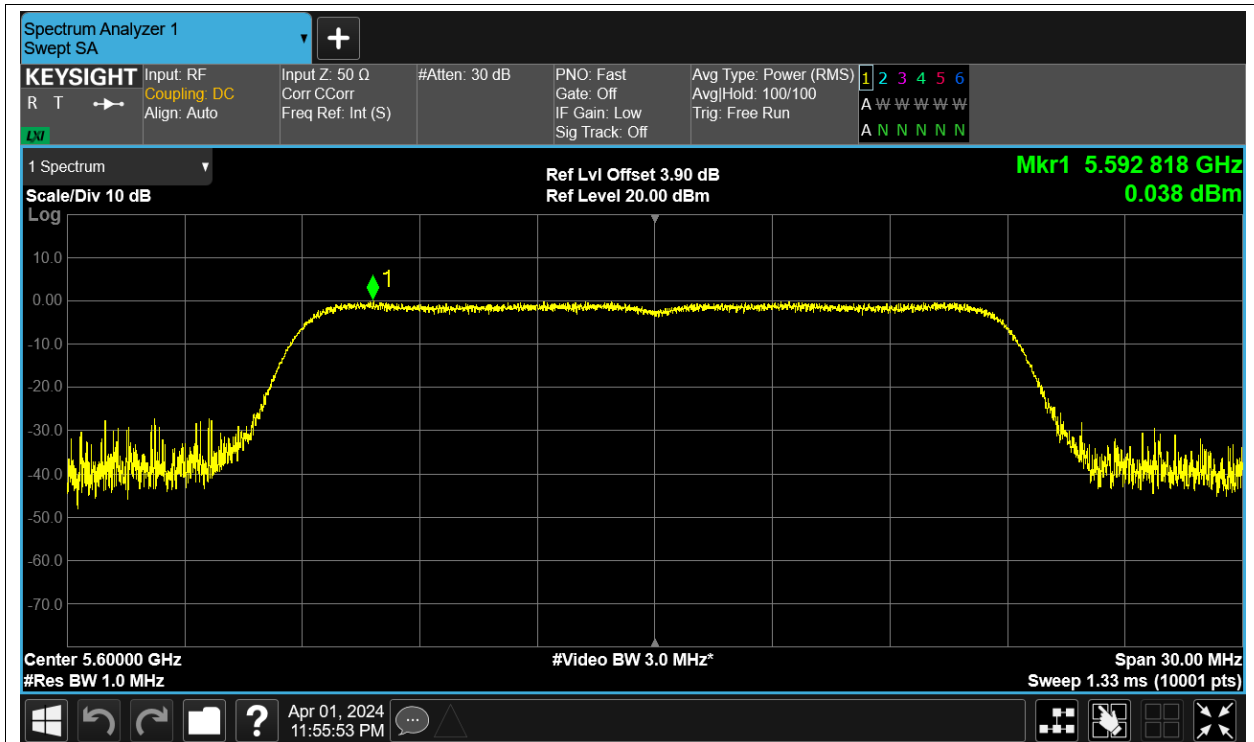
PSD NVNT ac80 5610MHz Ant4



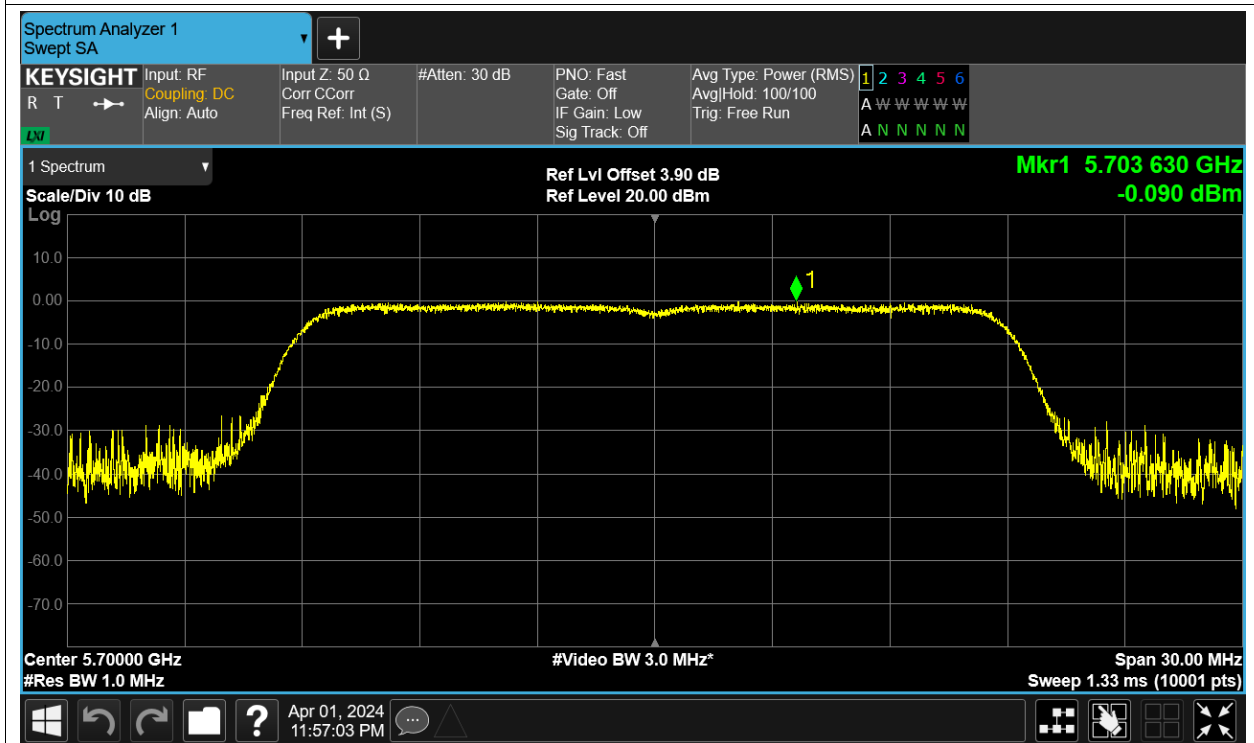
PSD NVNT n20 5500MHz Ant4



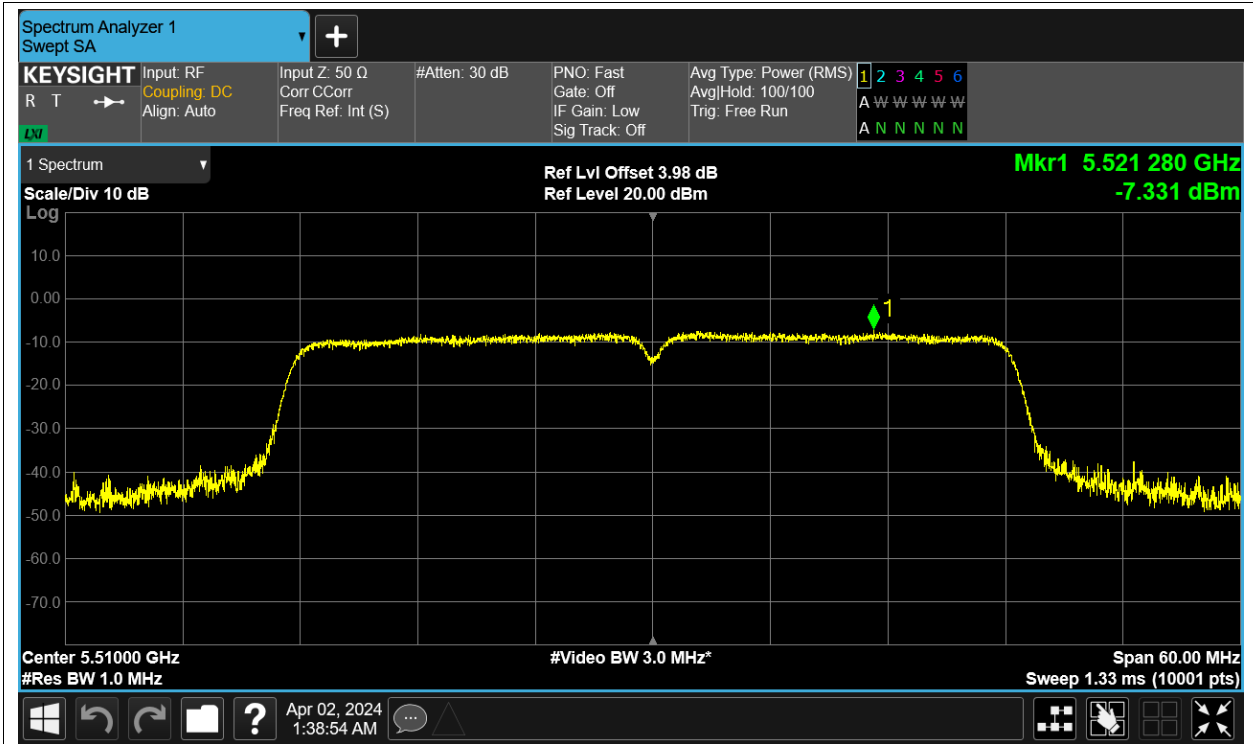
PSD NVNT n20 5600MHz Ant4



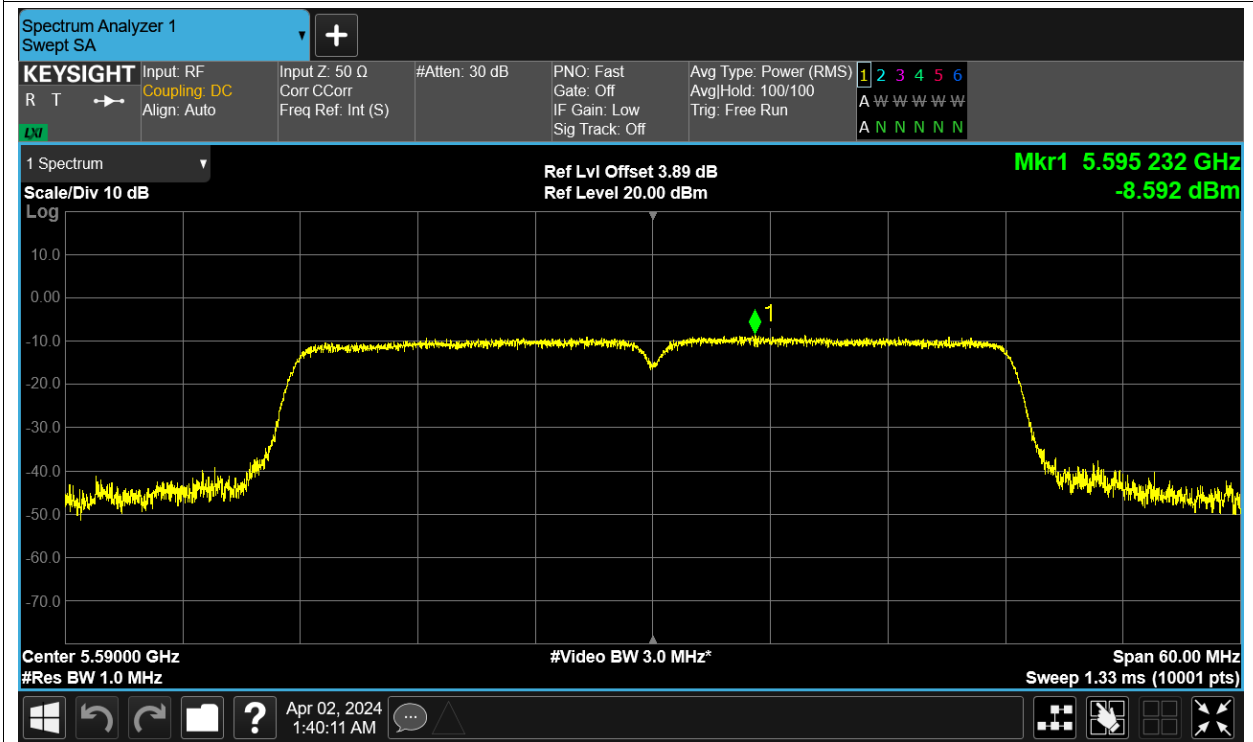
PSD NVNT n20 5700MHz Ant4



PSD NVNT n40 5510MHz Ant4



PSD NVNT n40 5590MHz Ant4



PSD NVNT n40 5667MHz Ant4

