

Test Data

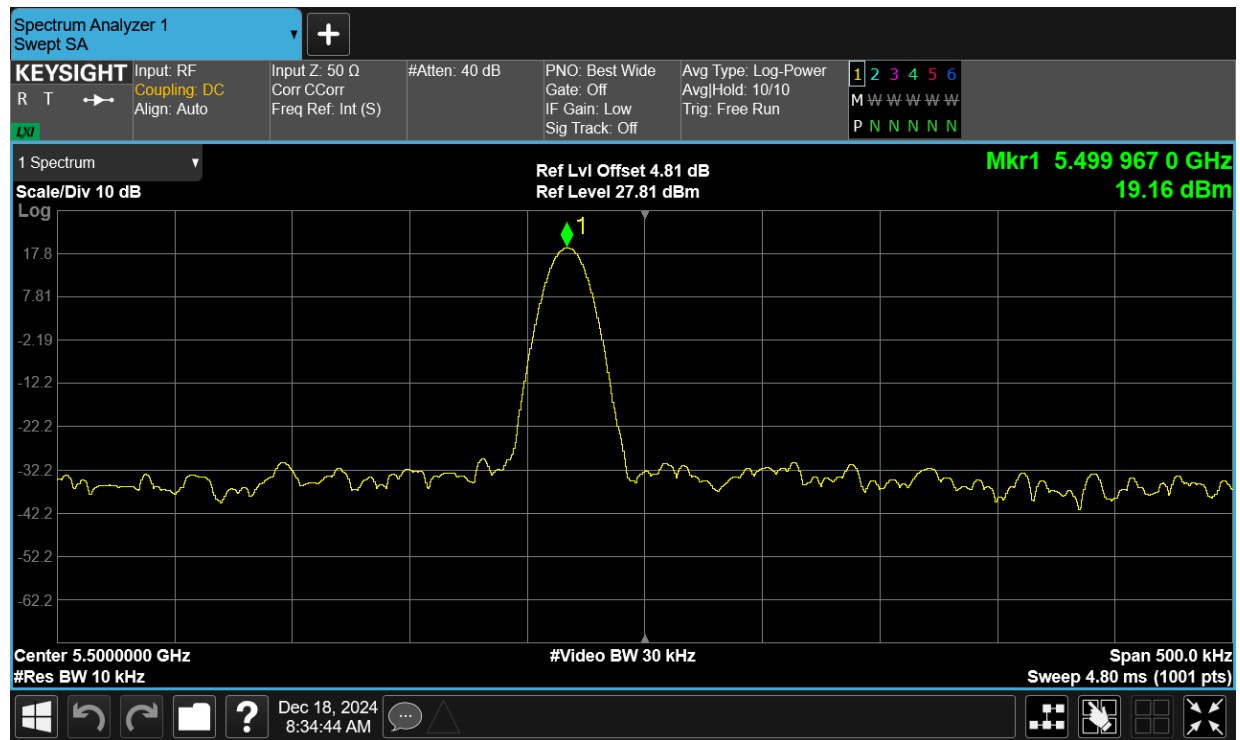
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant13	5499.967	-6	Within authorized band	Pass
LVNT	a	5500	Ant13	5499.967	-6		Pass
NVHT	a	5500	Ant13	5499.967	-6		Pass
NVLT	a	5500	Ant13	5499.967	-6		Pass
NVNT	a	5500	Ant13	5499.9675	-5.91		Pass
HVNT	ac80	5530	Ant13	5529.9665	-6.06		Pass
LVNT	ac80	5530	Ant13	5529.9665	-6.06		Pass
NVHT	ac80	5530	Ant13	5529.9665	-6.06		Pass
NVLT	ac80	5530	Ant13	5529.9665	-6.06		Pass
NVNT	ac80	5530	Ant13	5529.9665	-6.06		Pass
HVNT	n40	5510	Ant13	5509.9685	-5.72		Pass
LVNT	n40	5510	Ant13	5509.9685	-5.72		Pass
NVHT	n40	5510	Ant13	5509.969	-5.63		Pass
NVLT	n40	5510	Ant13	5509.969	-5.63		Pass
NVNT	n40	5510	Ant13	5509.9695	-5.54		Pass

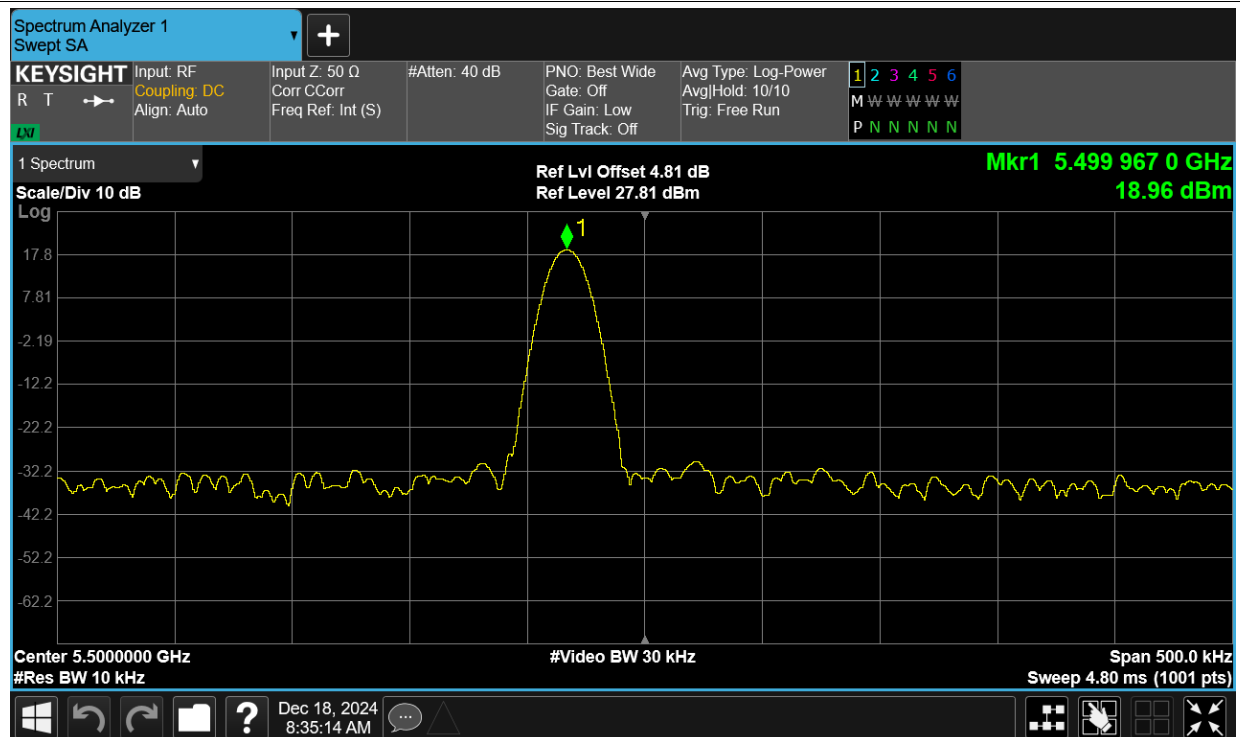
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

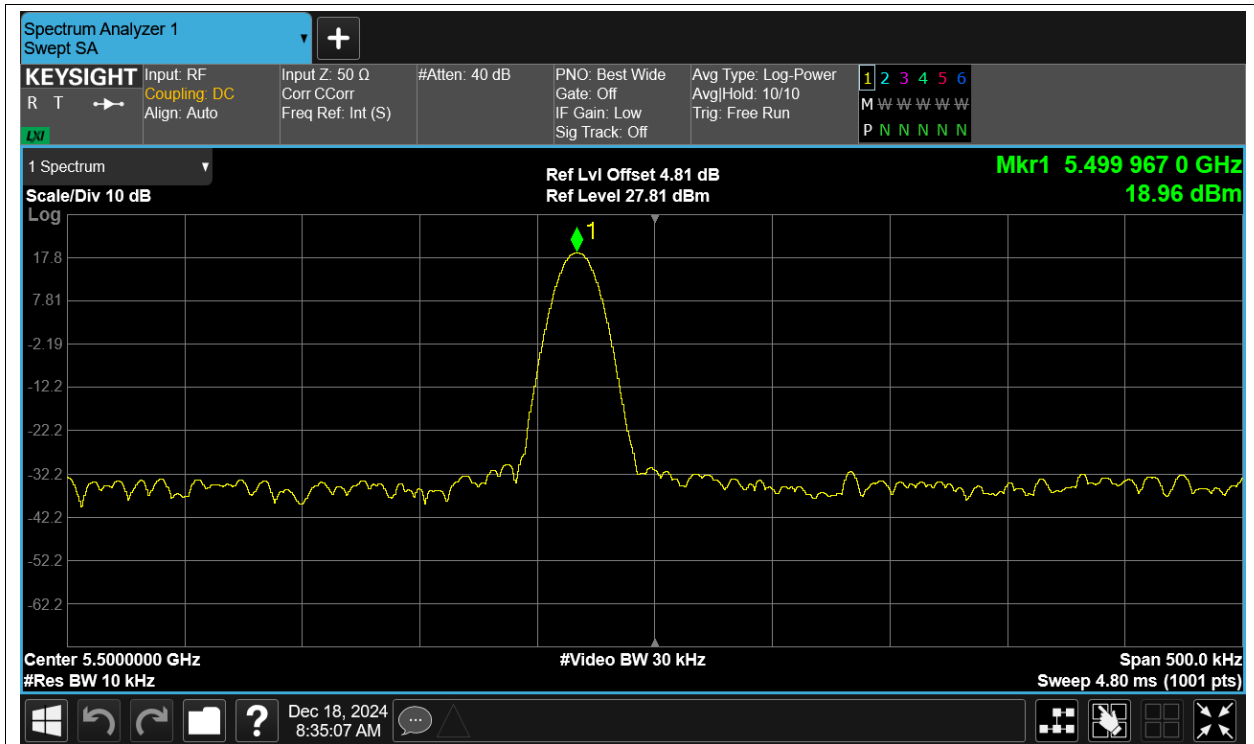
Freq. Stability HVNT a 5500MHz Ant13



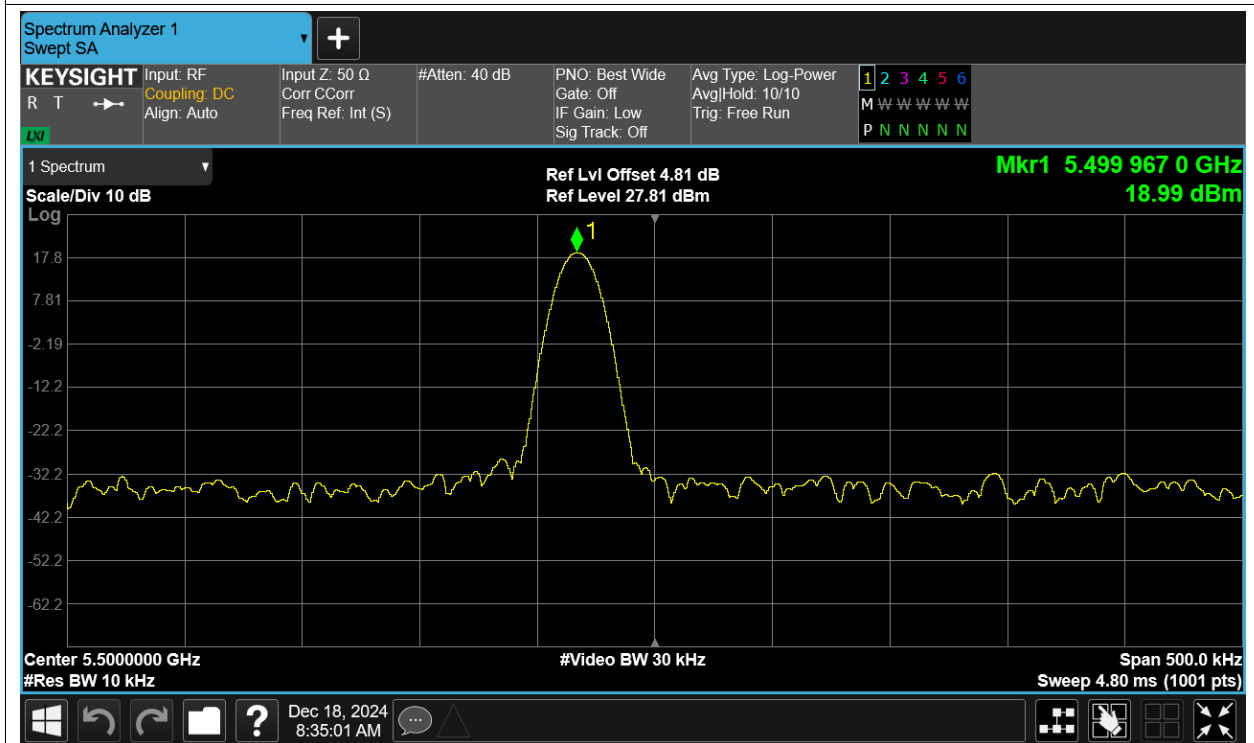
Freq. Stability LVNT a 5500MHz Ant13



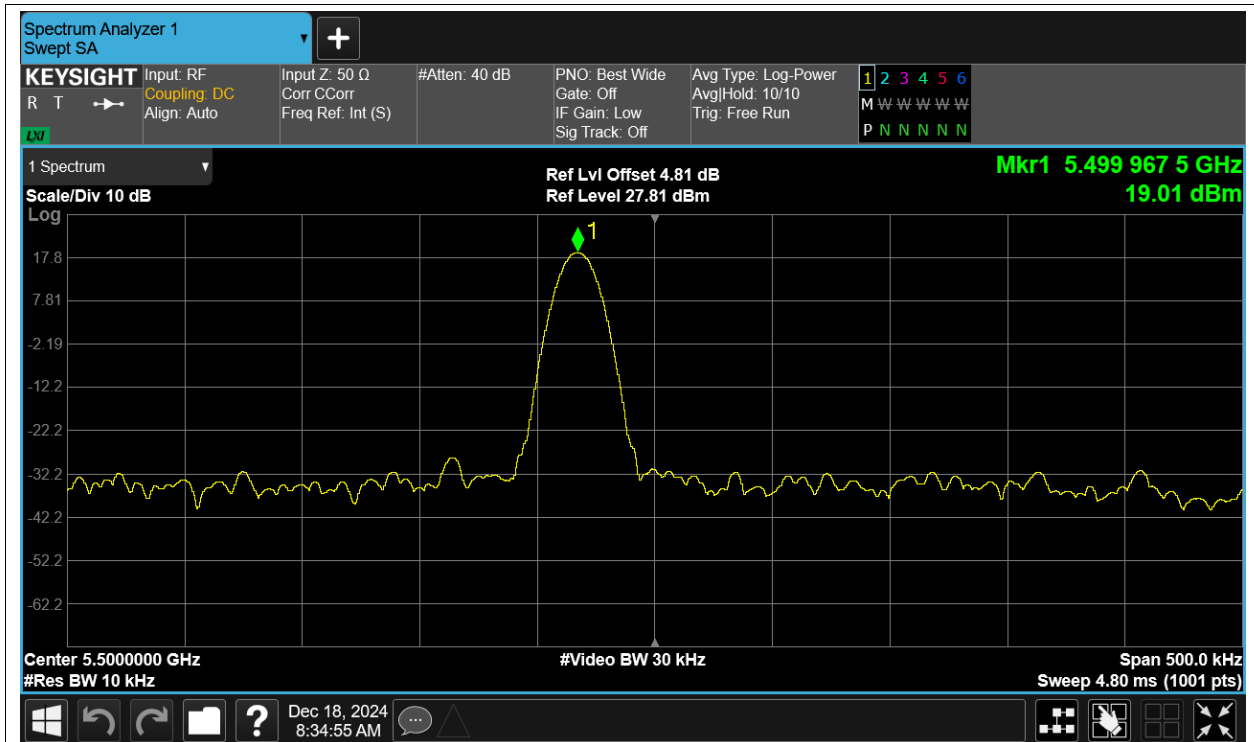
Freq. Stability NVHT a 5500MHz Ant13



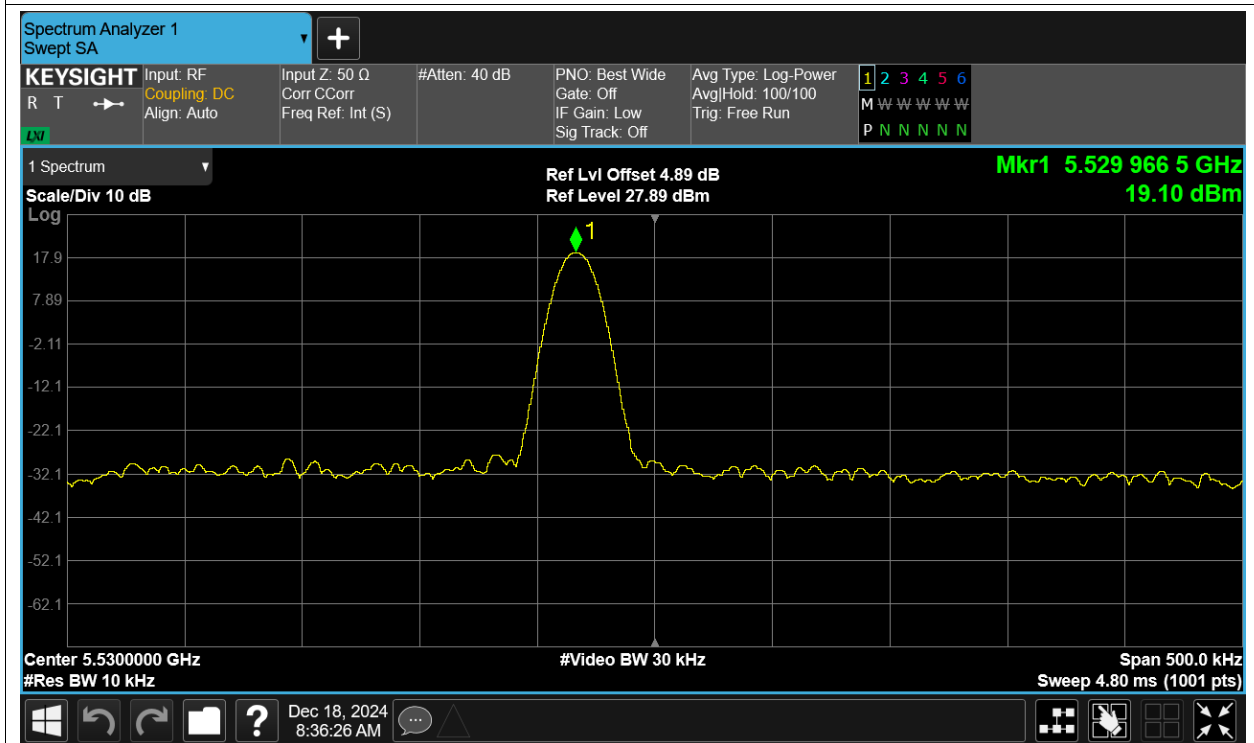
Freq. Stability NVLT a 5500MHz Ant13



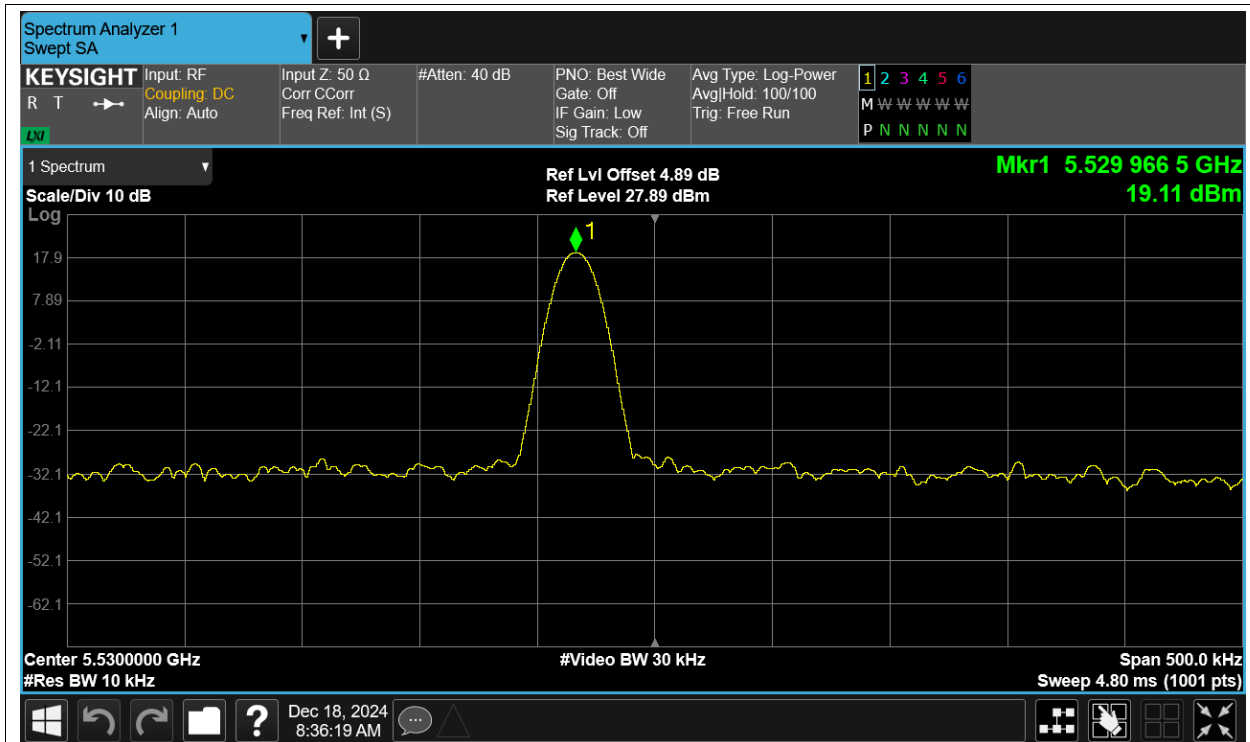
Freq. Stability NVNT a 5500MHz Ant13



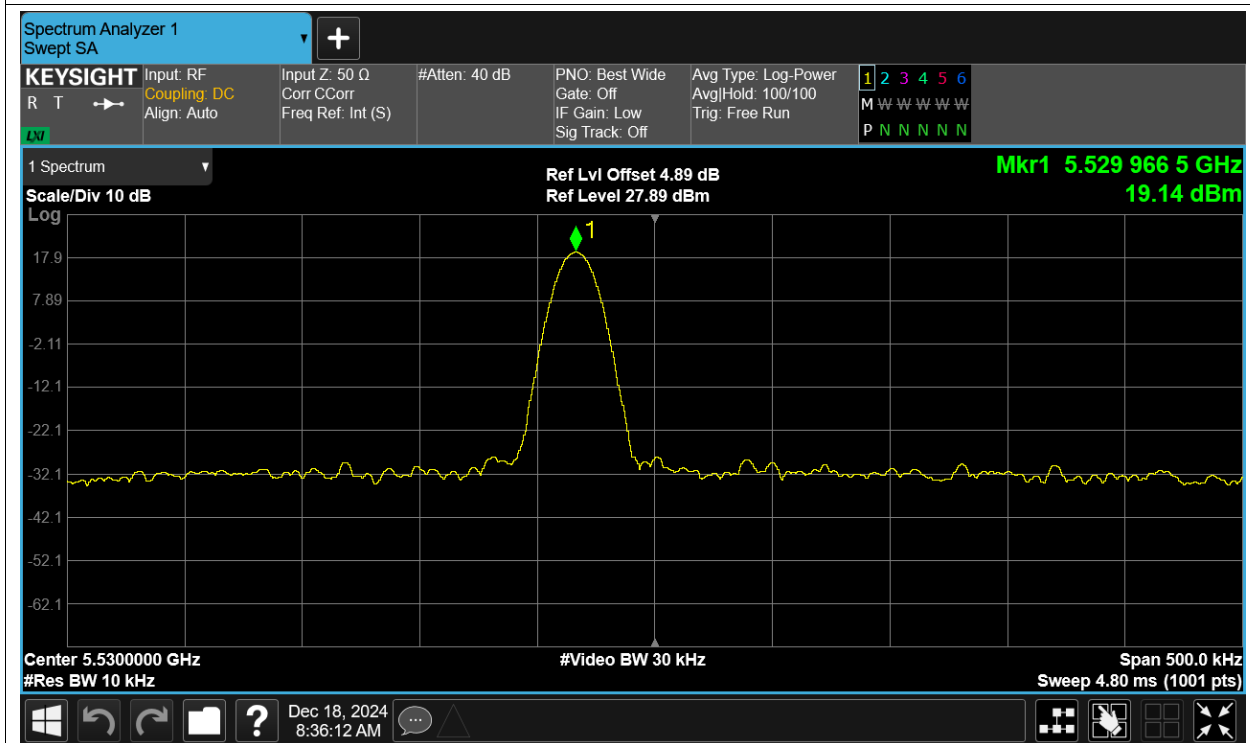
Freq. Stability HVNT ac80 5530MHz Ant13



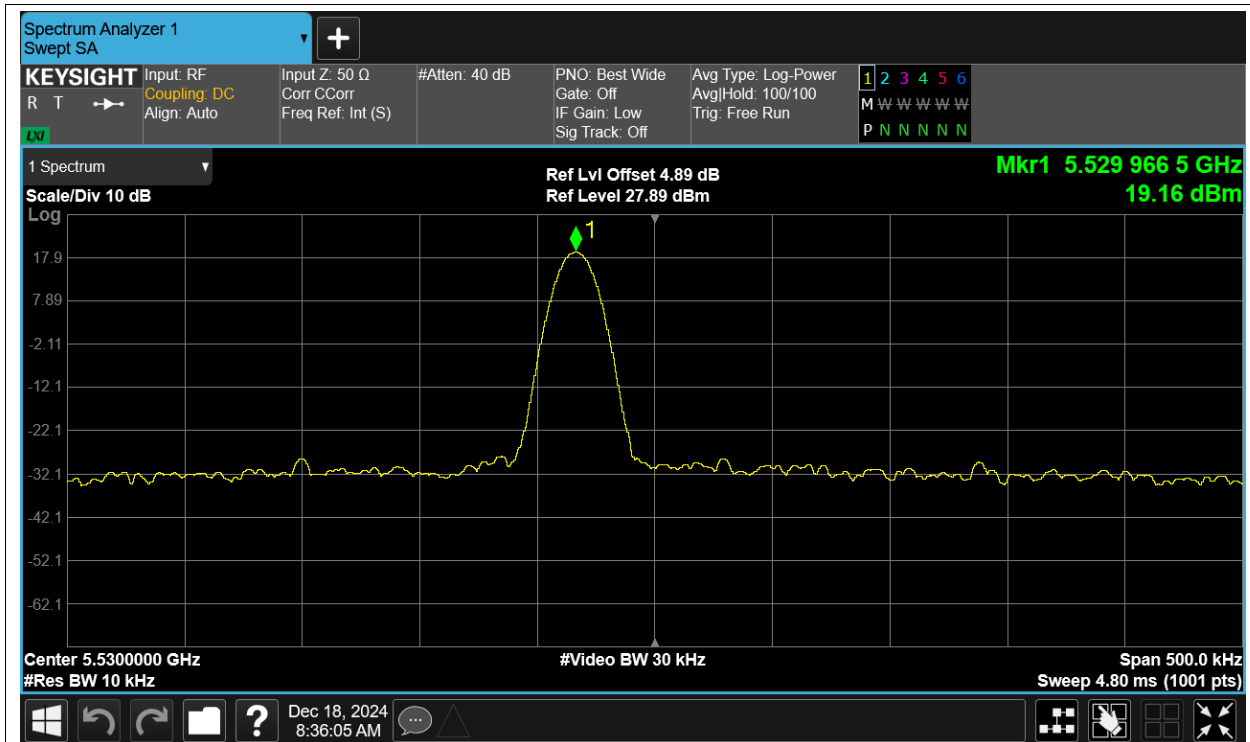
Freq. Stability LVNT ac80 5530MHz Ant13



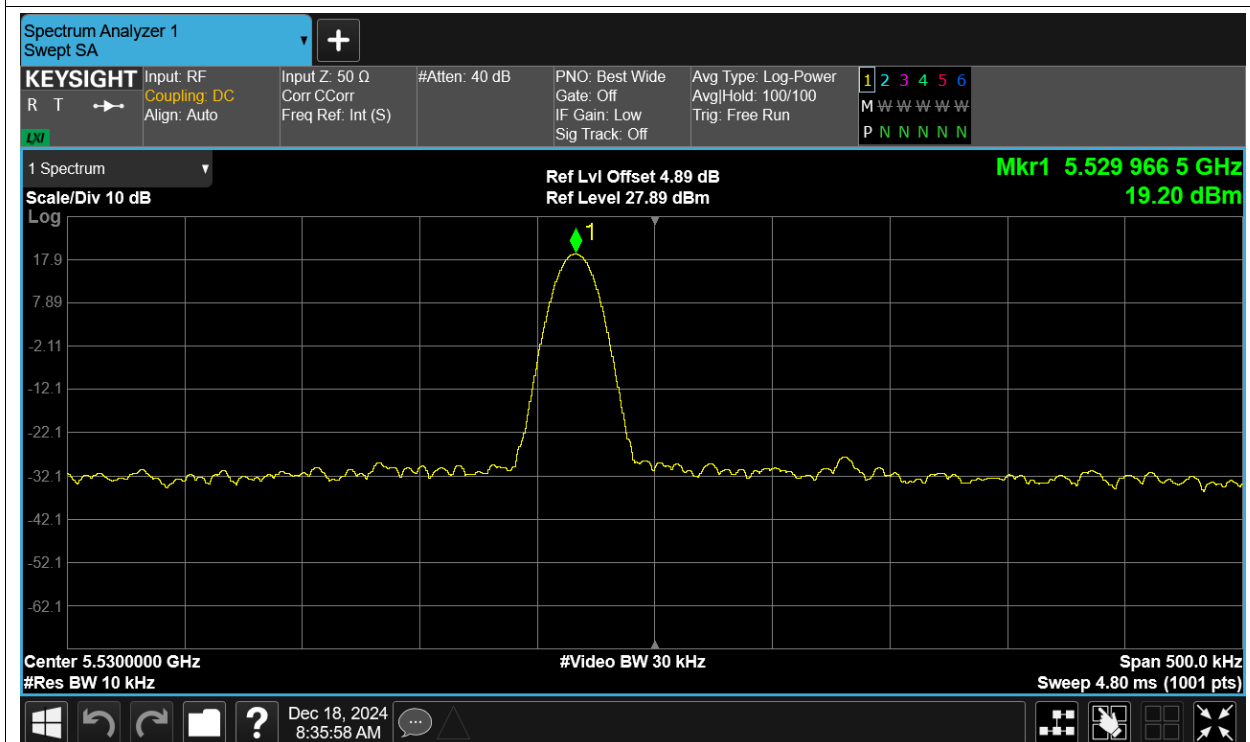
Freq. Stability NVHT ac80 5530MHz Ant13



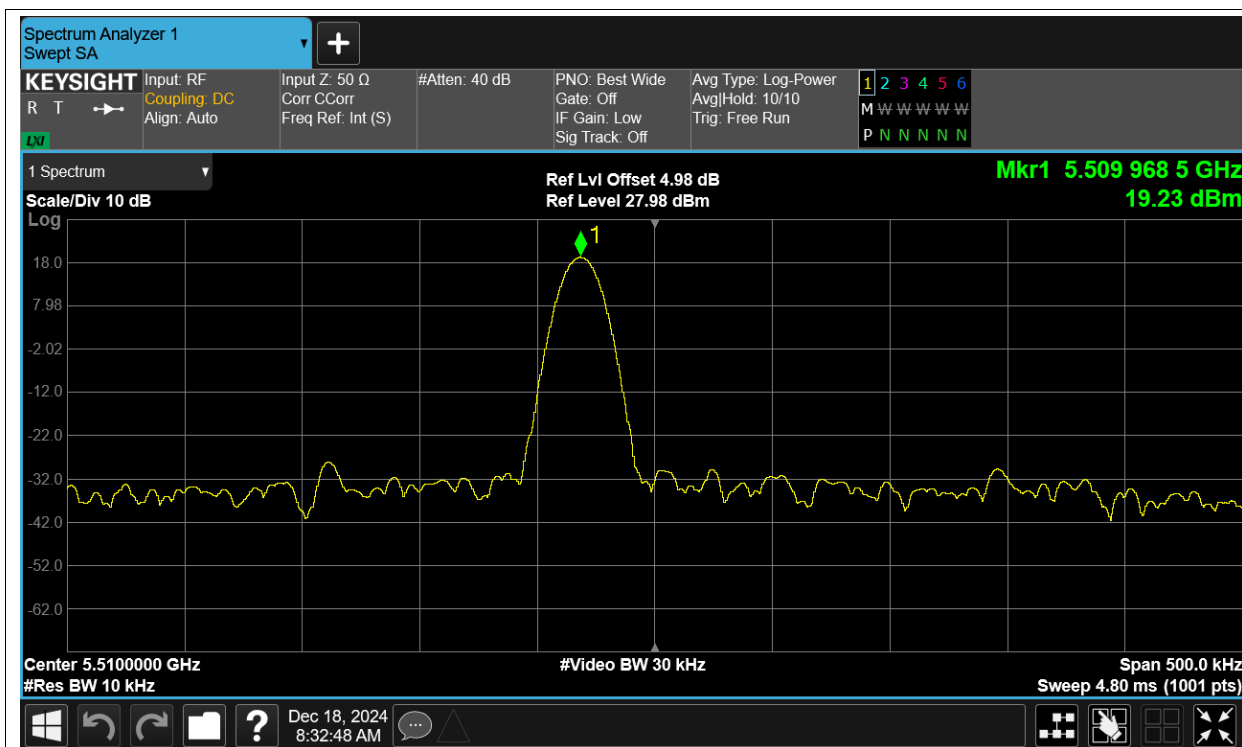
Freq. Stability NVLT ac80 5530MHz Ant13



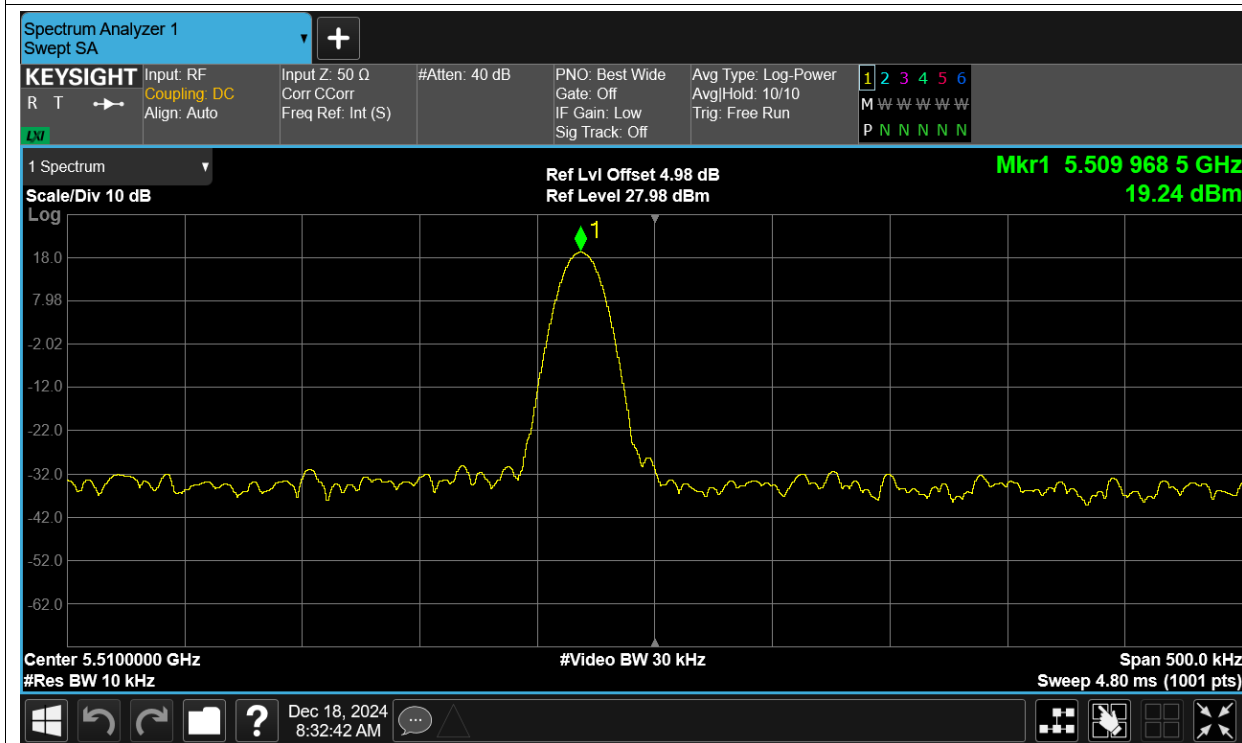
Freq. Stability NVNT ac80 5530MHz Ant13



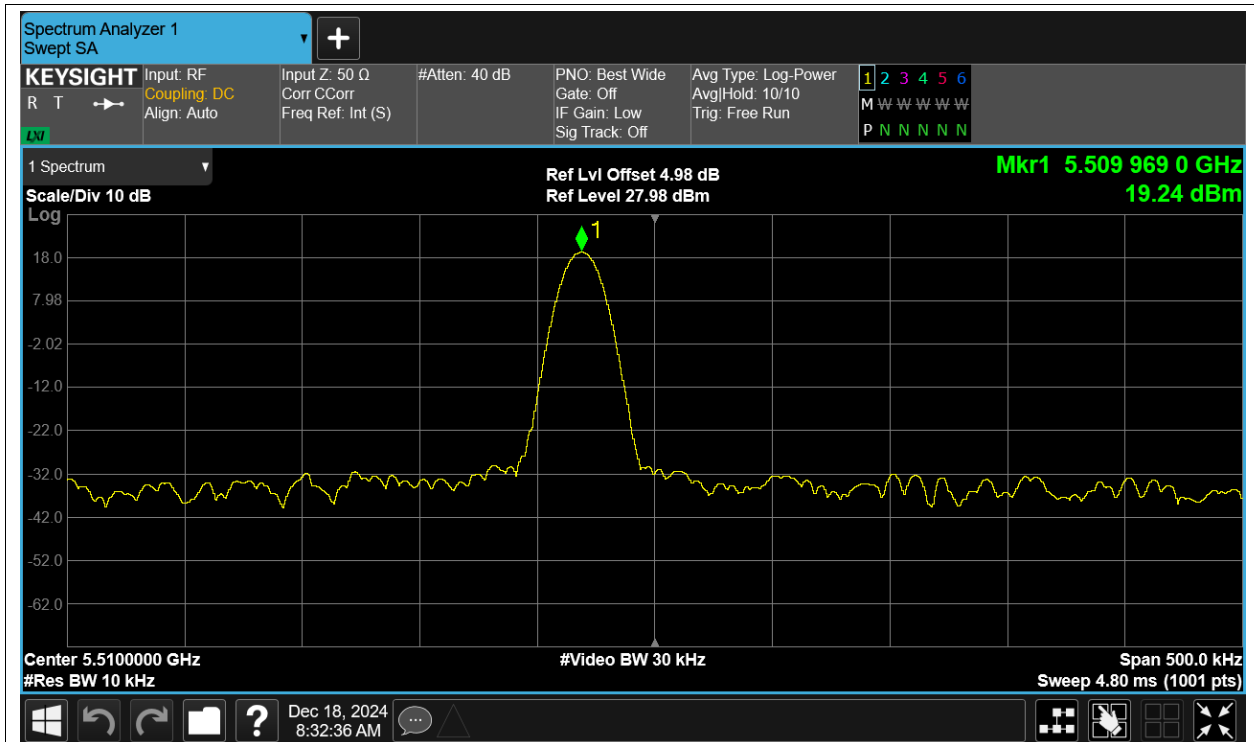
Freq. Stability HVNT n40 5510MHz Ant13



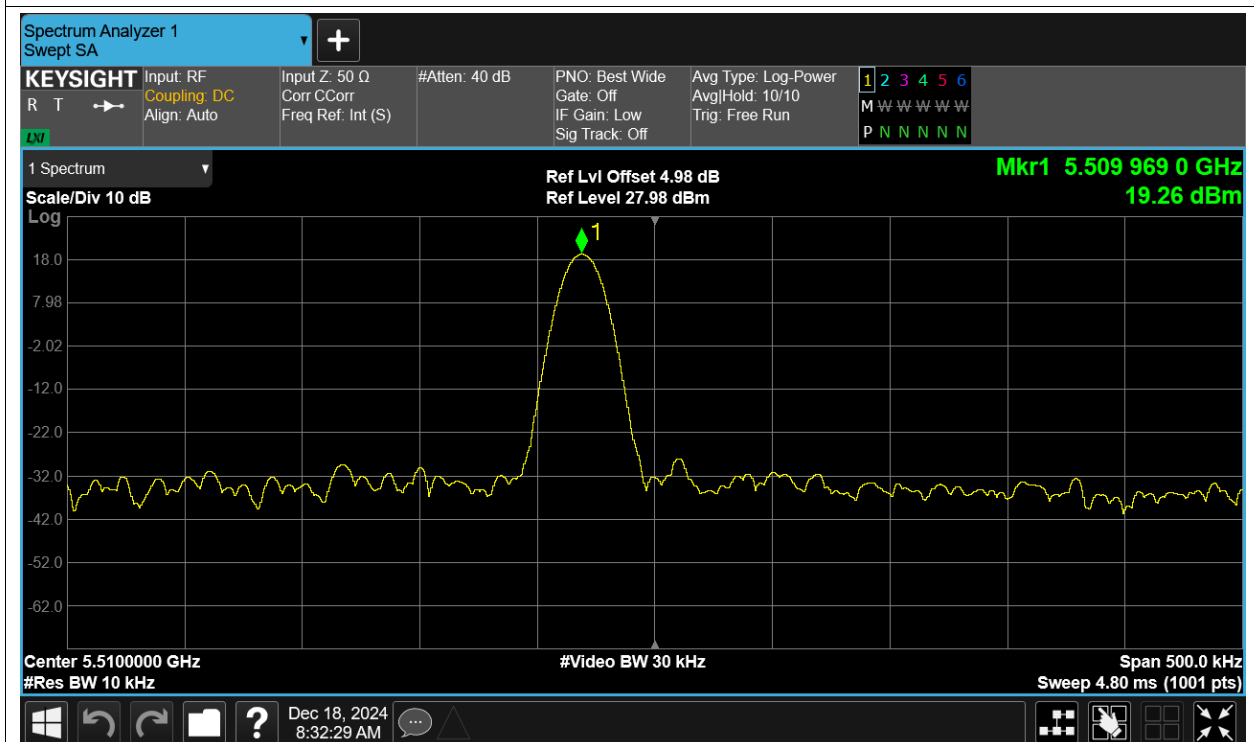
Freq. Stability LVNT n40 5510MHz Ant13



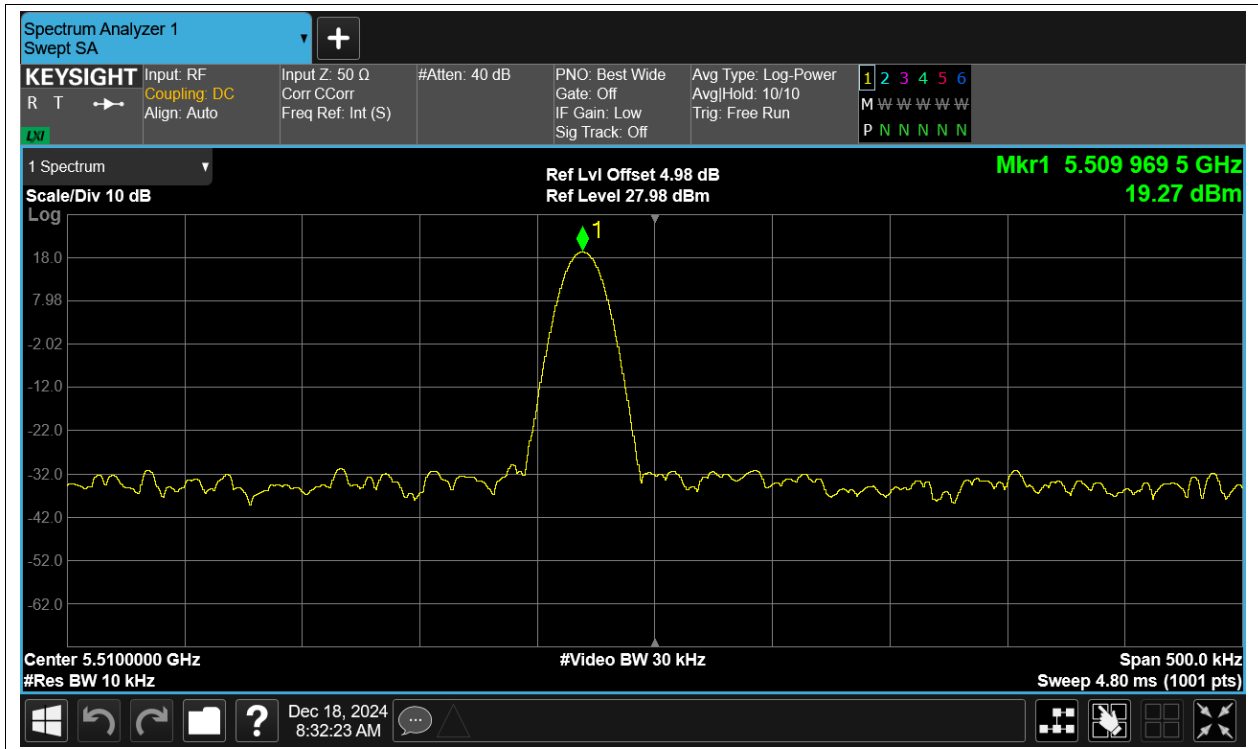
Freq. Stability NVHT n40 5510MHz Ant13



Freq. Stability NVLT n40 5510MHz Ant13



Freq. Stability NVNT n40 5510MHz Ant13

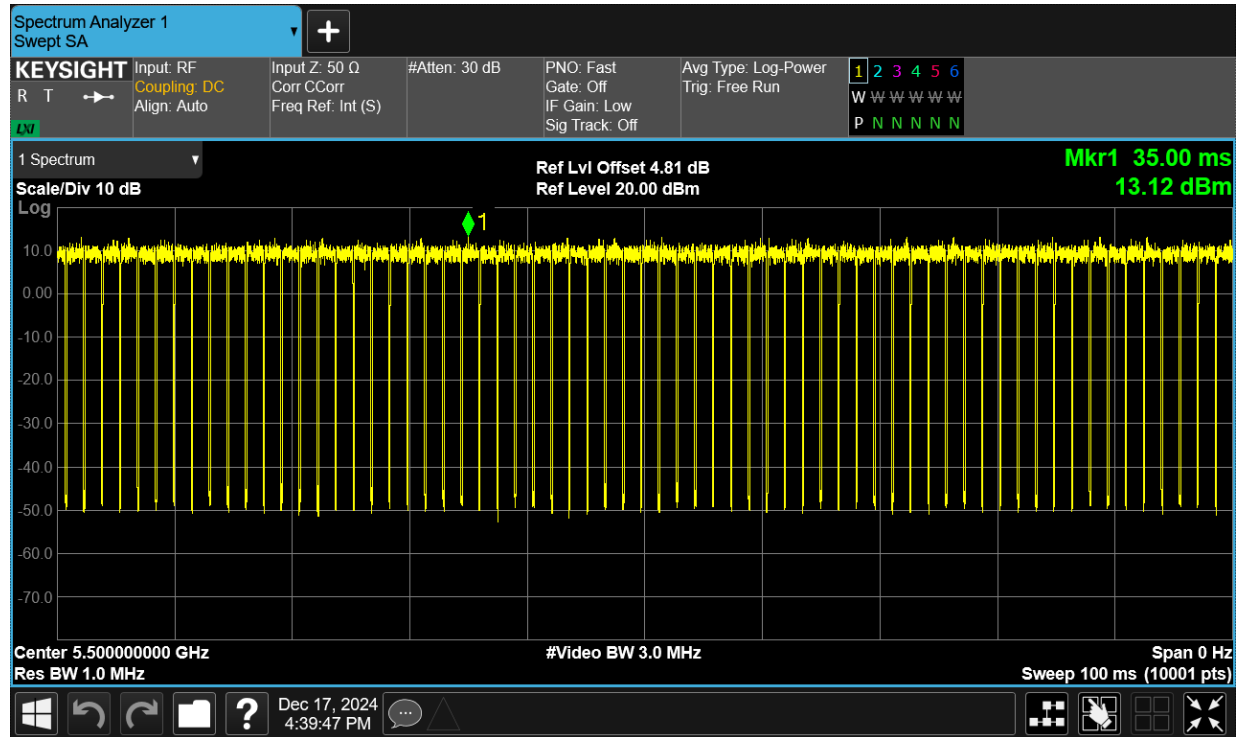


Duty Cycle

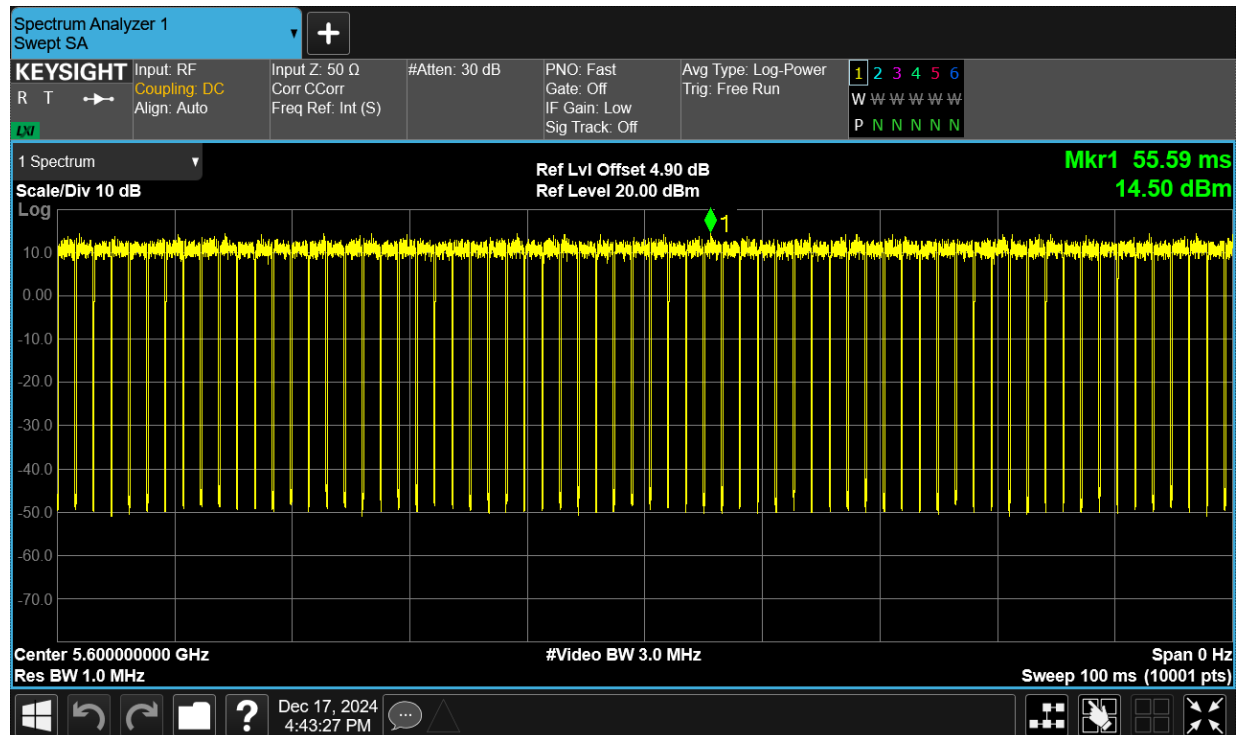
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant13	91.89	0.37
NVNT	a	5600	Ant13	91.77	0.37
NVNT	a	5700	Ant13	97.98	0.09
NVNT	ac20	5500	Ant13	90.31	0.44
NVNT	ac20	5600	Ant13	97.51	0.11
NVNT	ac20	5700	Ant13	97.64	0.1
NVNT	ac40	5510	Ant13	82.84	0.82
NVNT	ac40	5590	Ant13	82.61	0.83
NVNT	ac40	5670	Ant13	82.8	0.82
NVNT	ac80	5530	Ant13	70.52	1.52
NVNT	ac80	5610	Ant13	71.18	1.48
NVNT	n20	5500	Ant13	90.46	0.44
NVNT	n20	5600	Ant13	90.48	0.43
NVNT	n20	5700	Ant13	97.53	0.11
NVNT	n40	5510	Ant13	82.73	0.82
NVNT	n40	5590	Ant13	82.78	0.82
NVNT	n40	5670	Ant13	82.69	0.83

Test Graphs

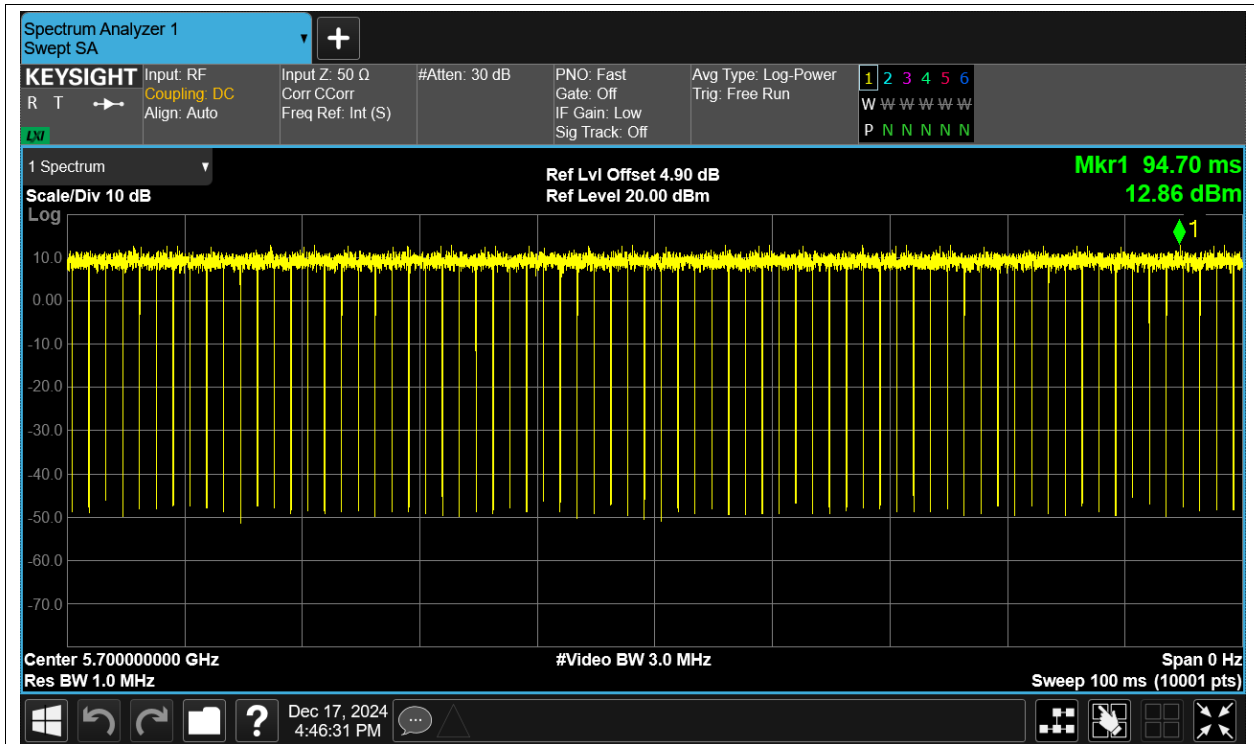
Duty Cycle NVNT a 5500MHz Ant13



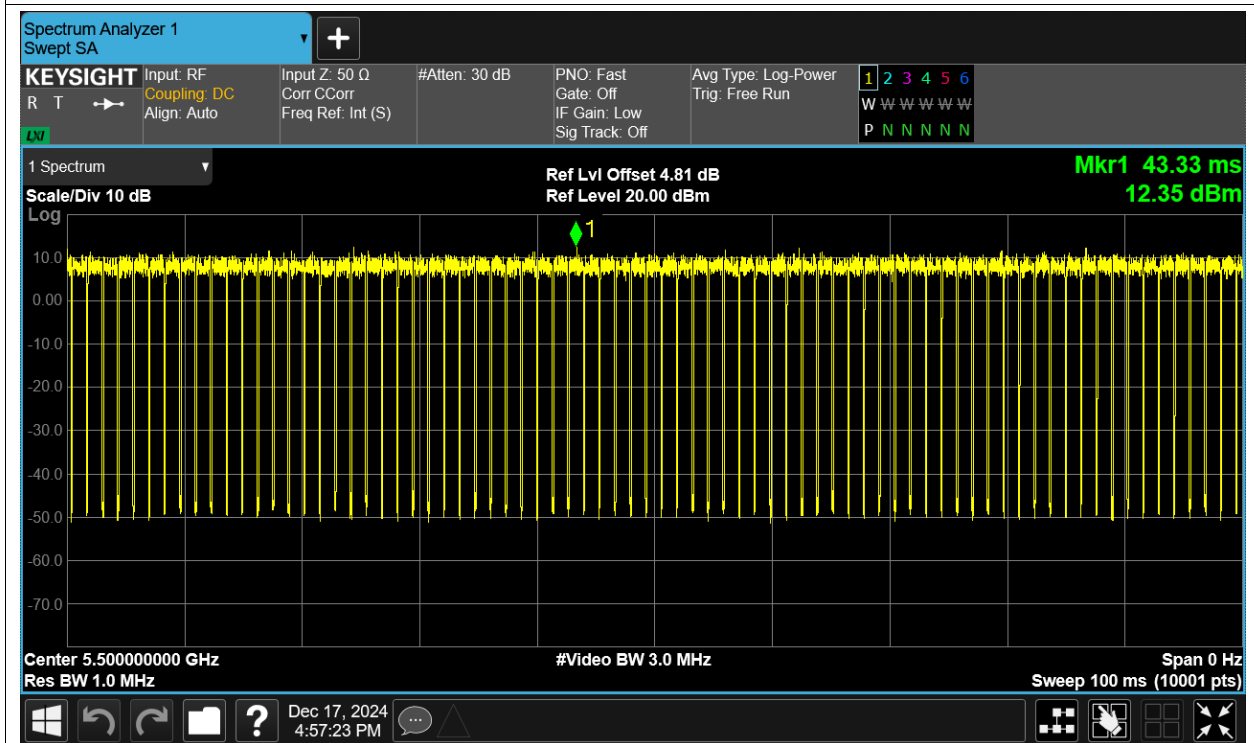
Duty Cycle NVNT a 5600MHz Ant13



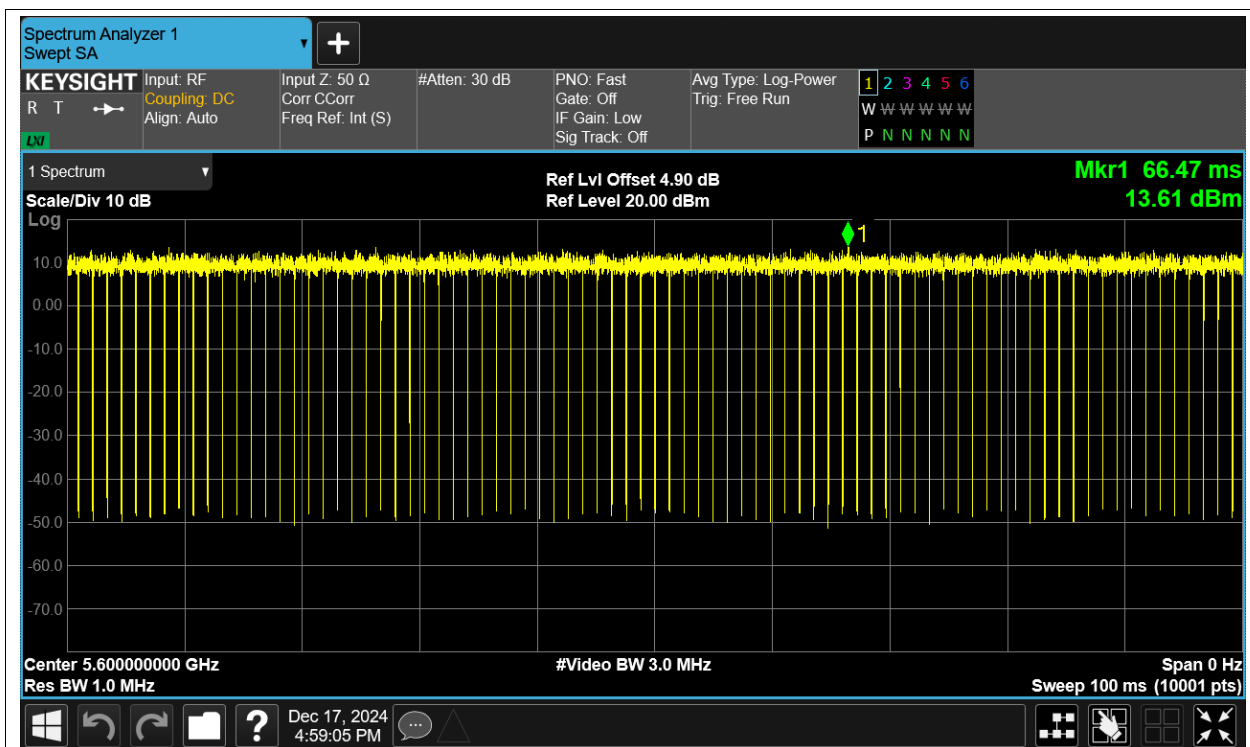
Duty Cycle NVNT a 5700MHz Ant13



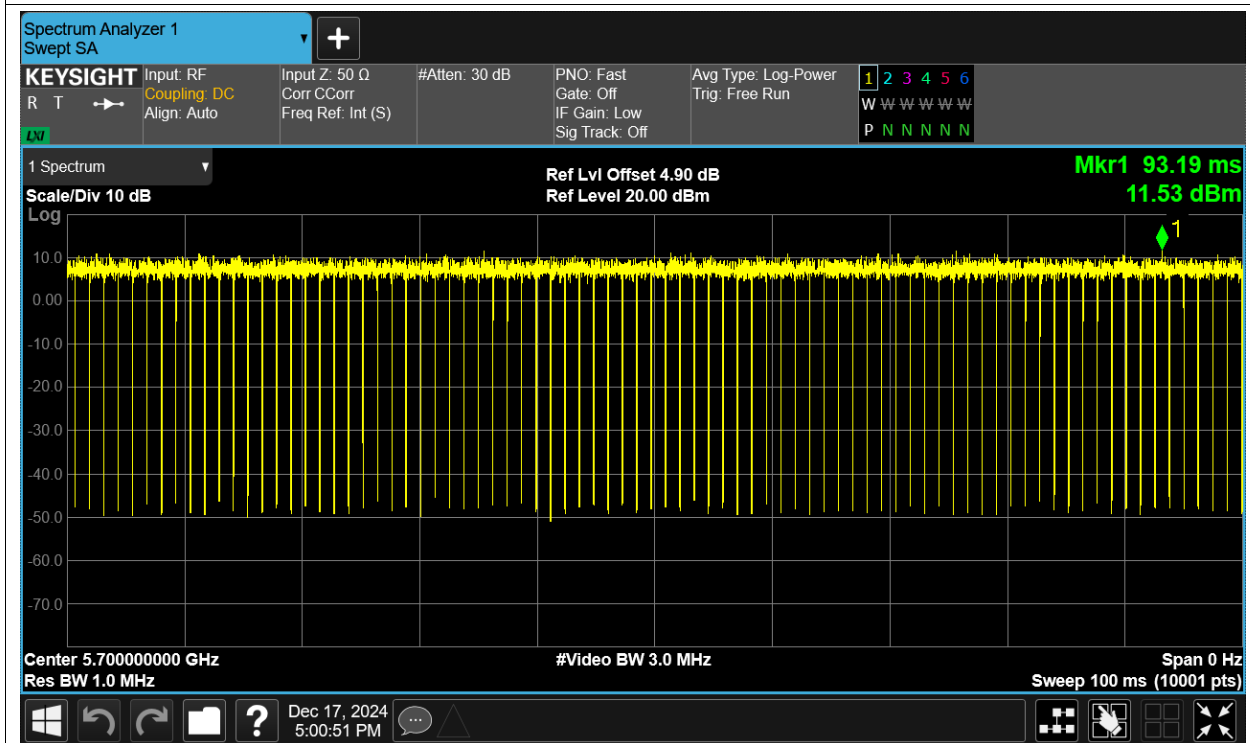
Duty Cycle NVNT ac20 5500MHz Ant13



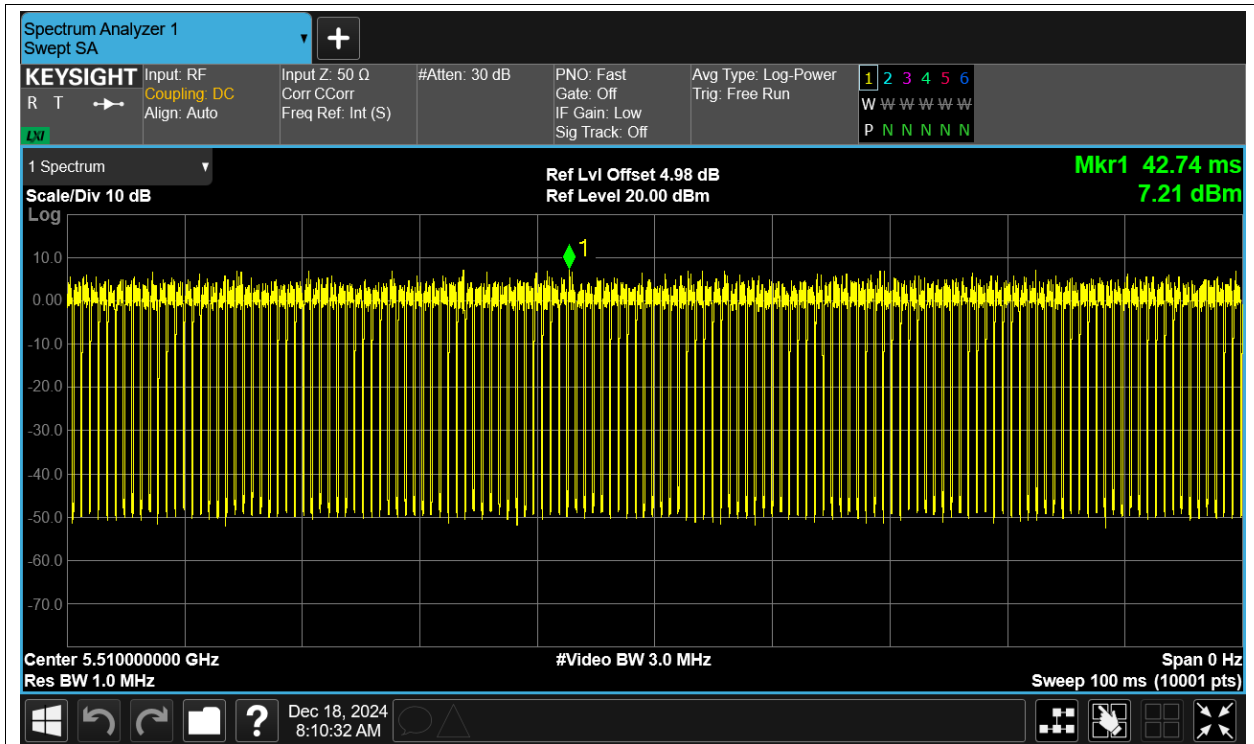
Duty Cycle NVNT ac20 5600MHz Ant13



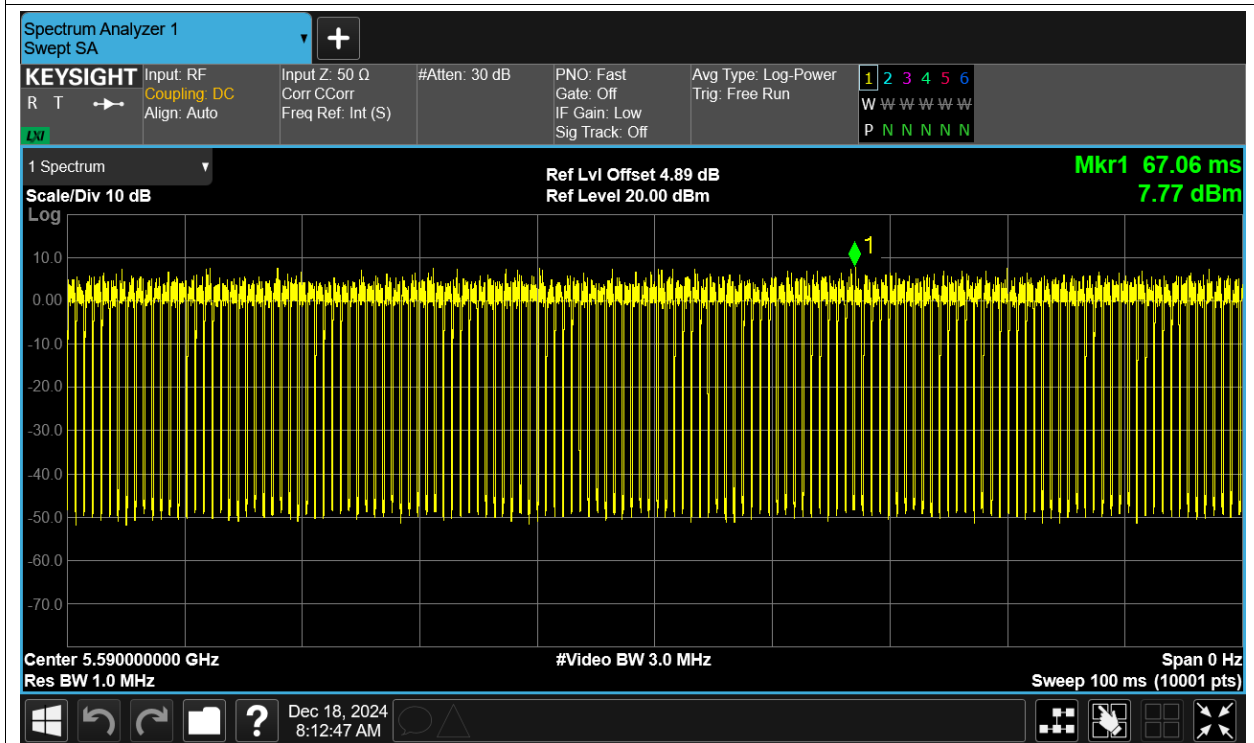
Duty Cycle NVNT ac20 5700MHz Ant13



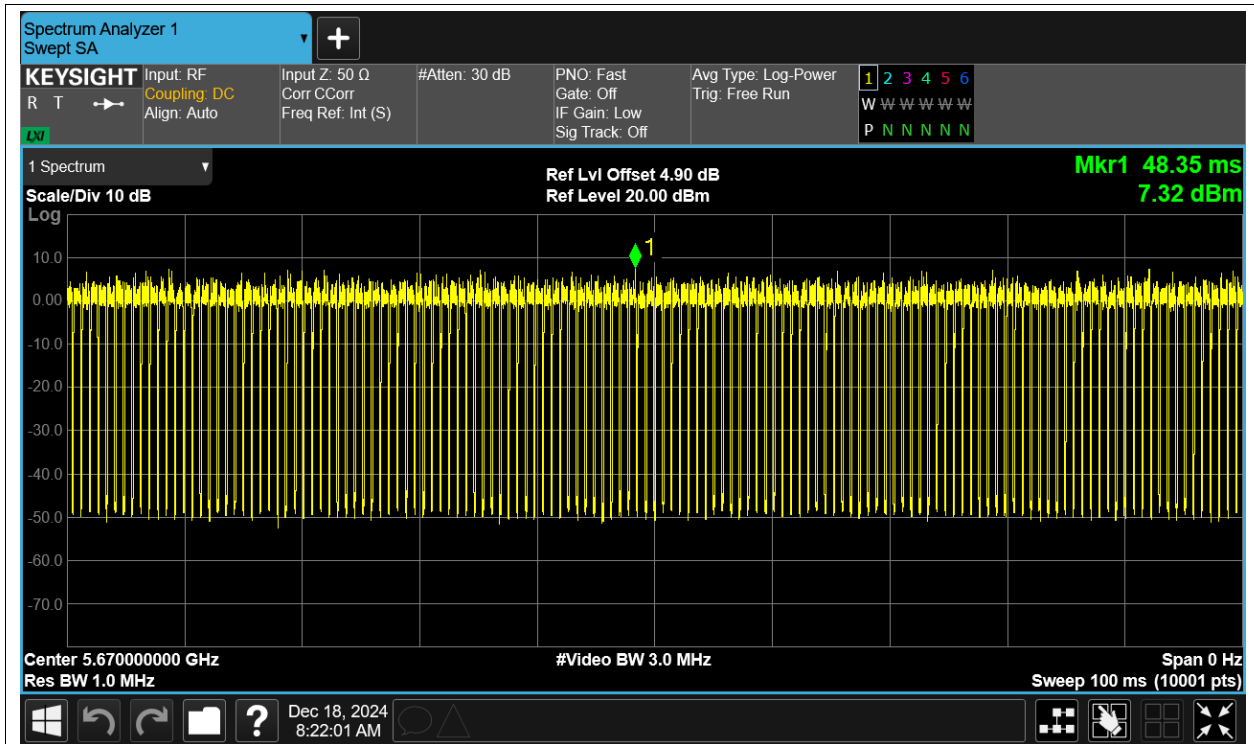
Duty Cycle NVNT ac40 5510MHz Ant13



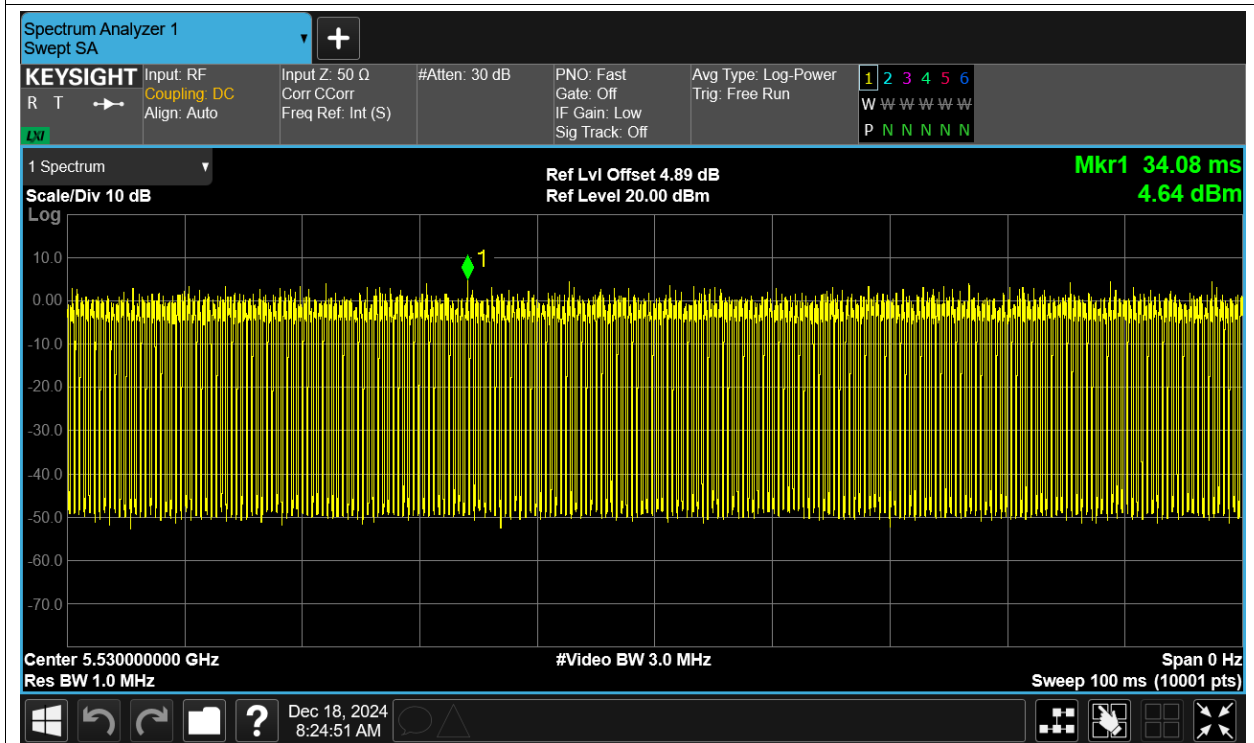
Duty Cycle NVNT ac40 5590MHz Ant13



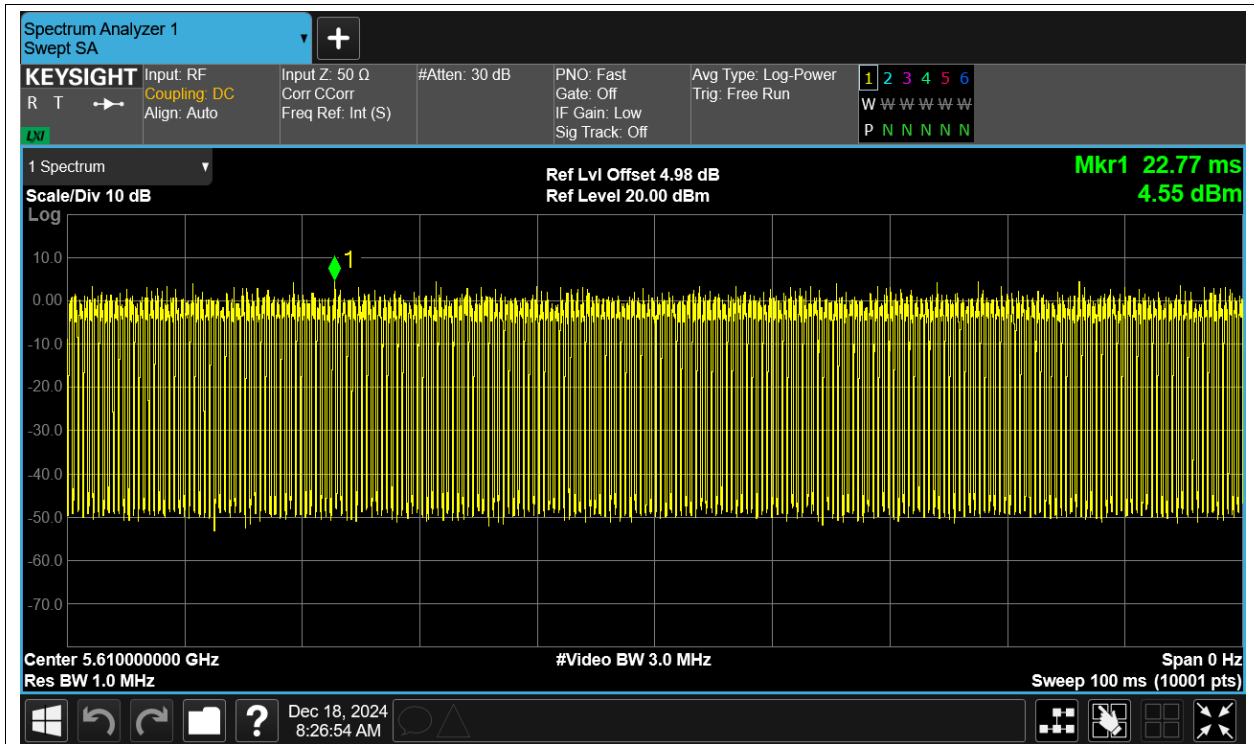
Duty Cycle NVNT ac40 5670MHz Ant13



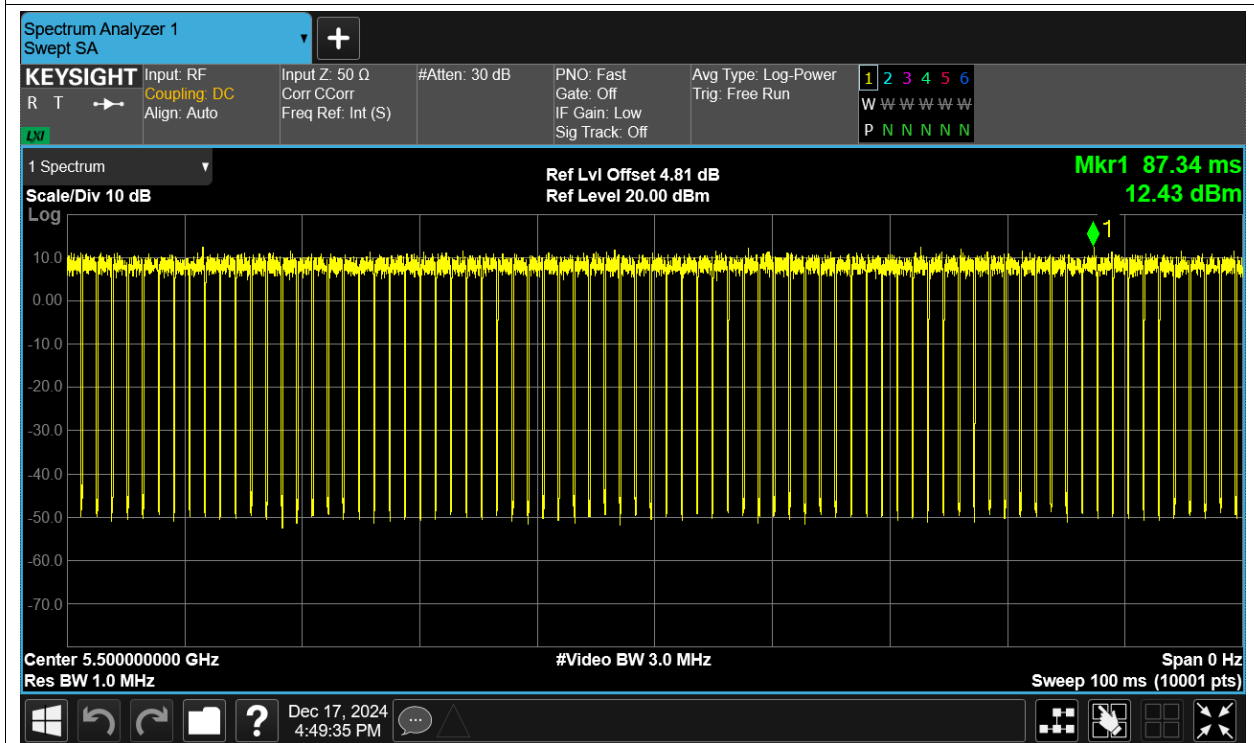
Duty Cycle NVNT ac80 5530MHz Ant13



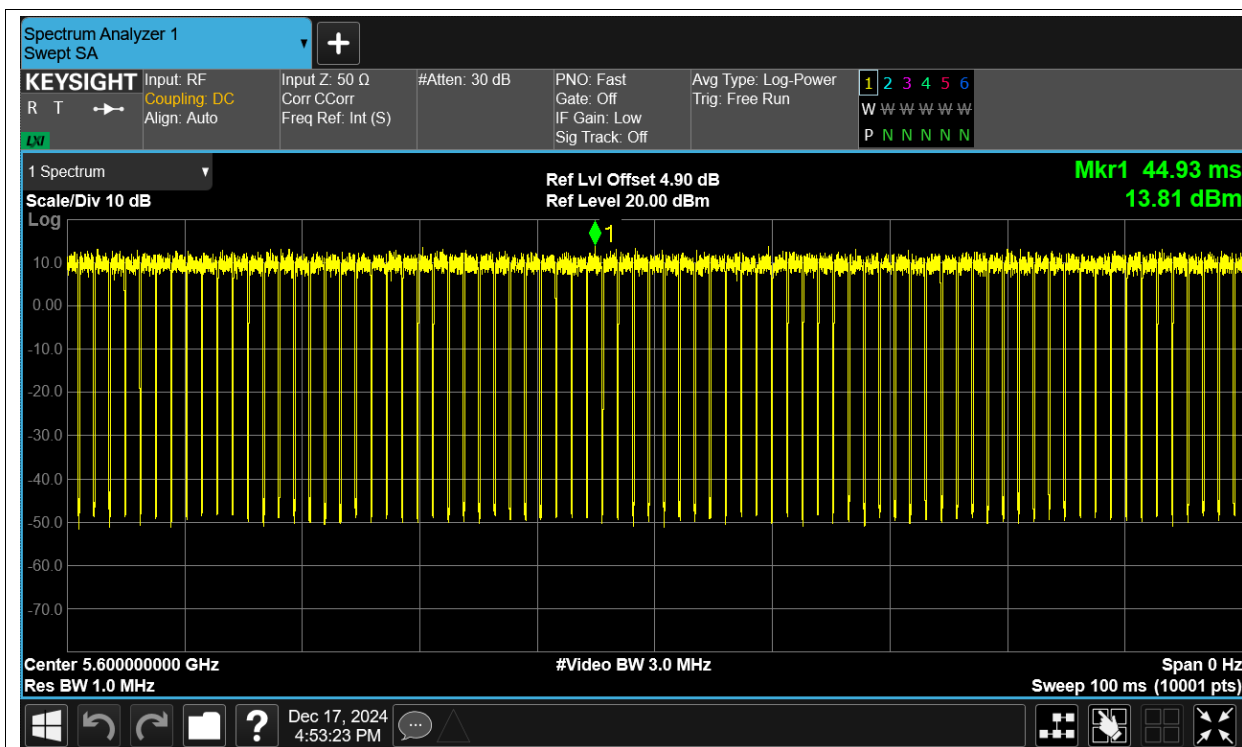
Duty Cycle NVNT ac80 5610MHz Ant13



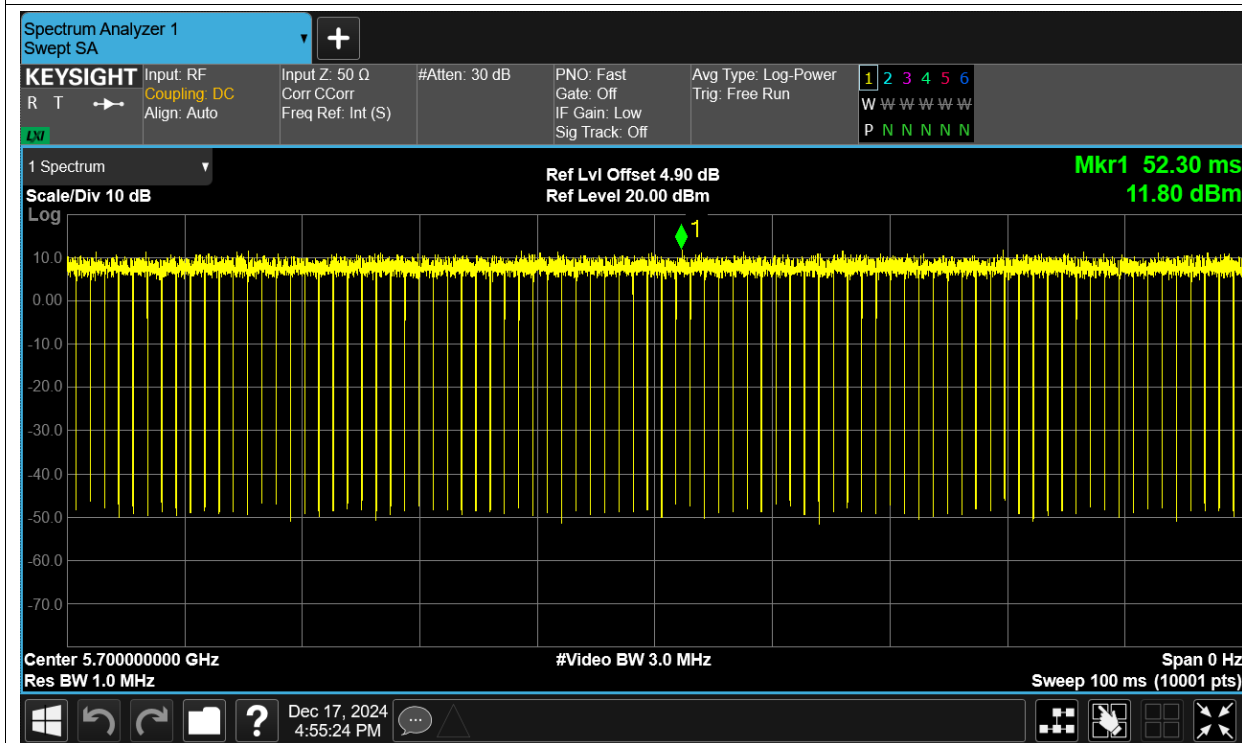
Duty Cycle NVNT n20 5500MHz Ant13



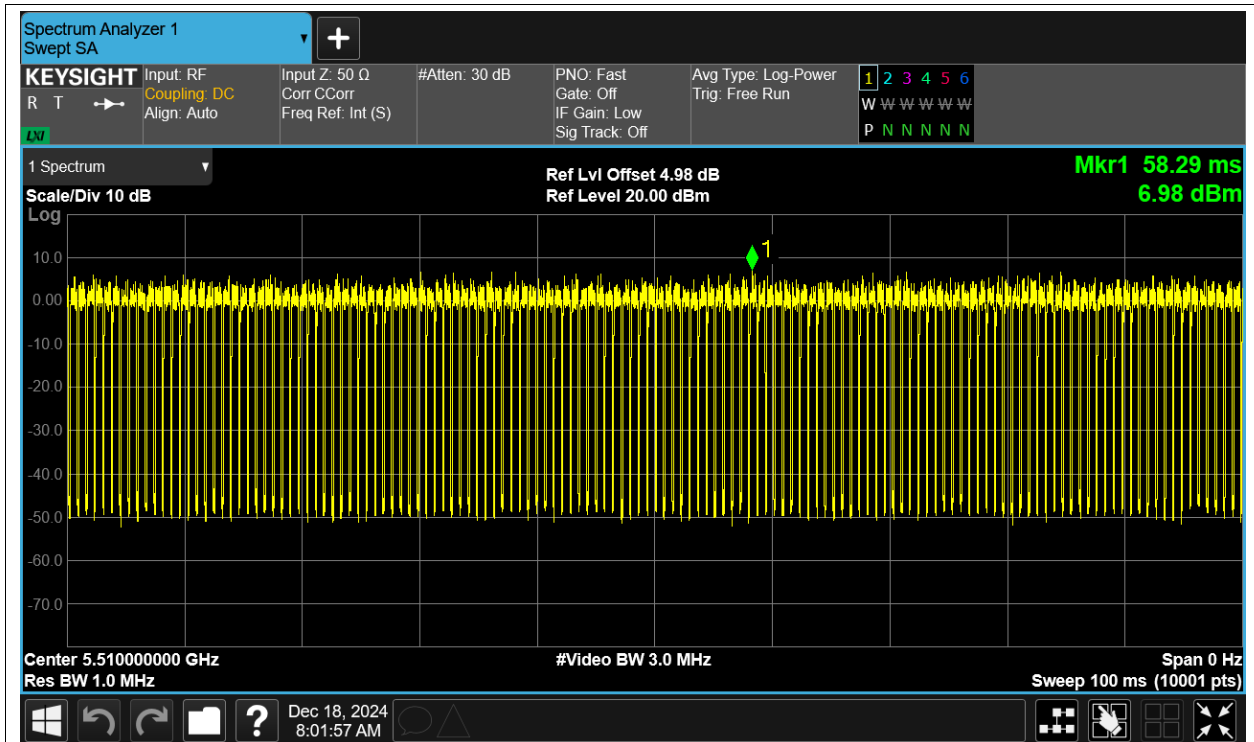
Duty Cycle NVNT n20 5600MHz Ant13



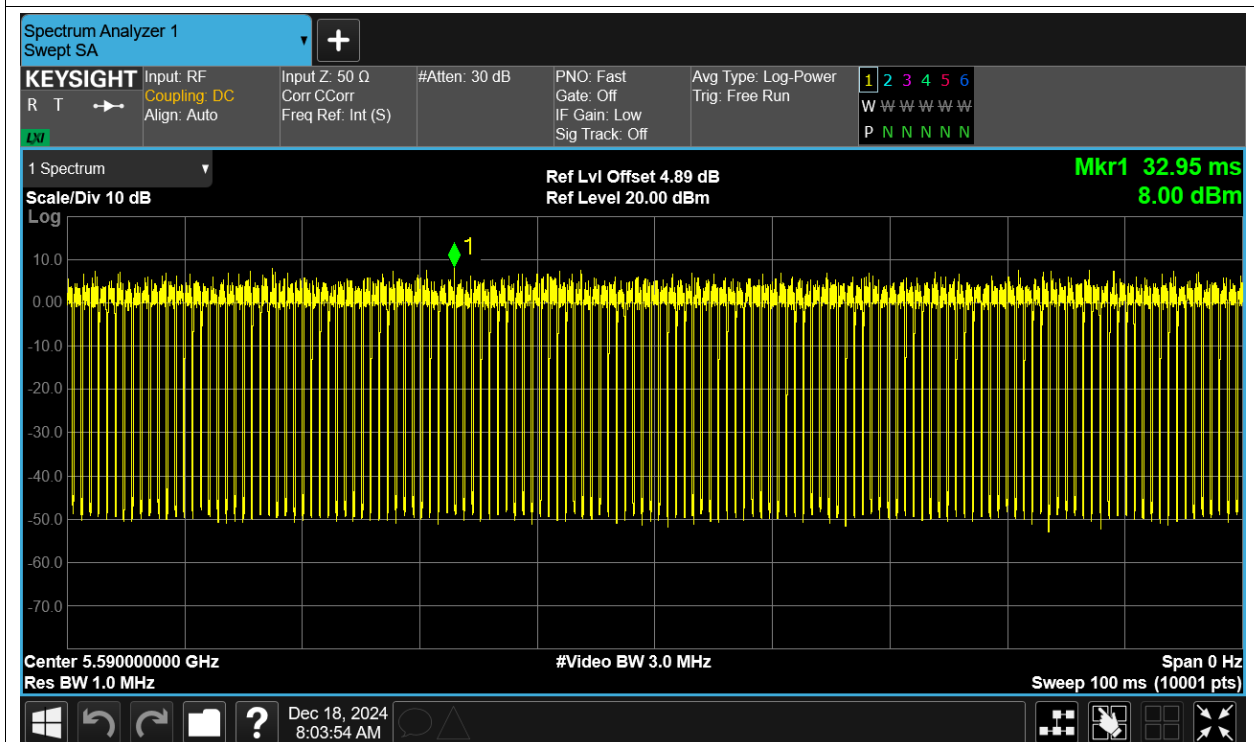
Duty Cycle NVNT n20 5700MHz Ant13



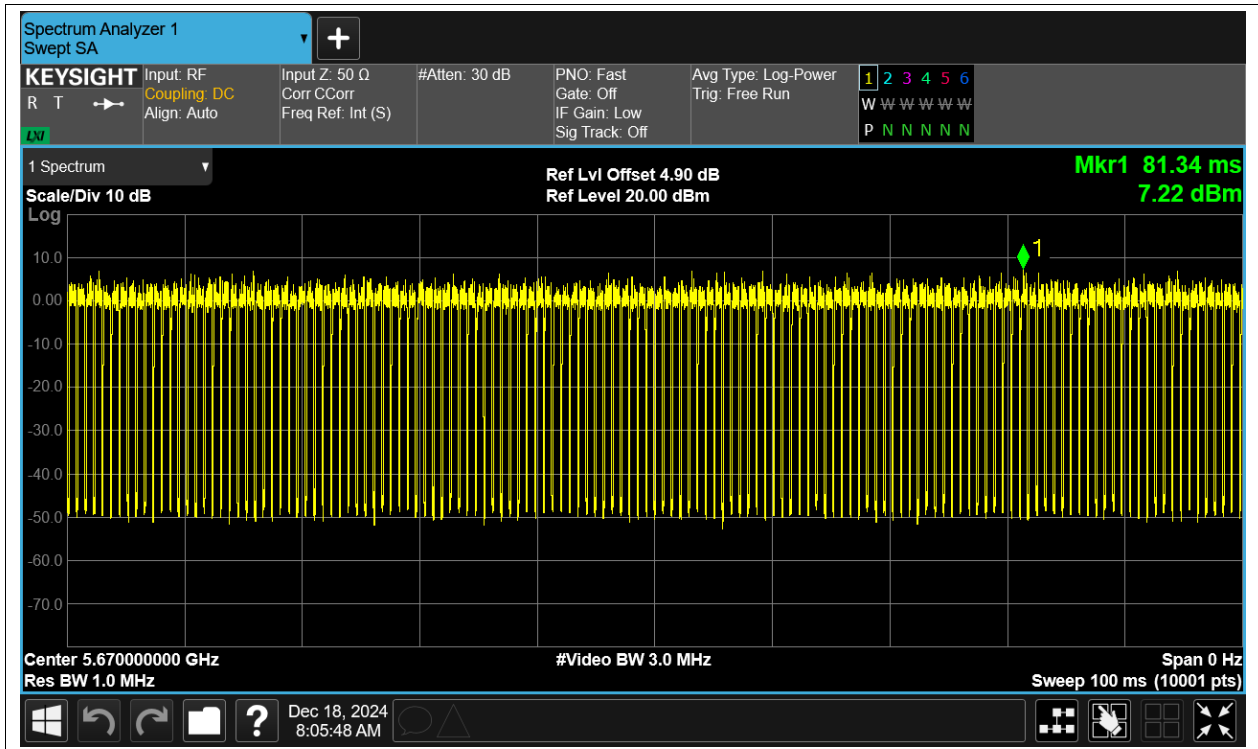
Duty Cycle NVNT n40 5510MHz Ant13



Duty Cycle NVNT n40 5590MHz Ant13



Duty Cycle NVNT n40 5670MHz Ant13



Maximum Conducted Output Power

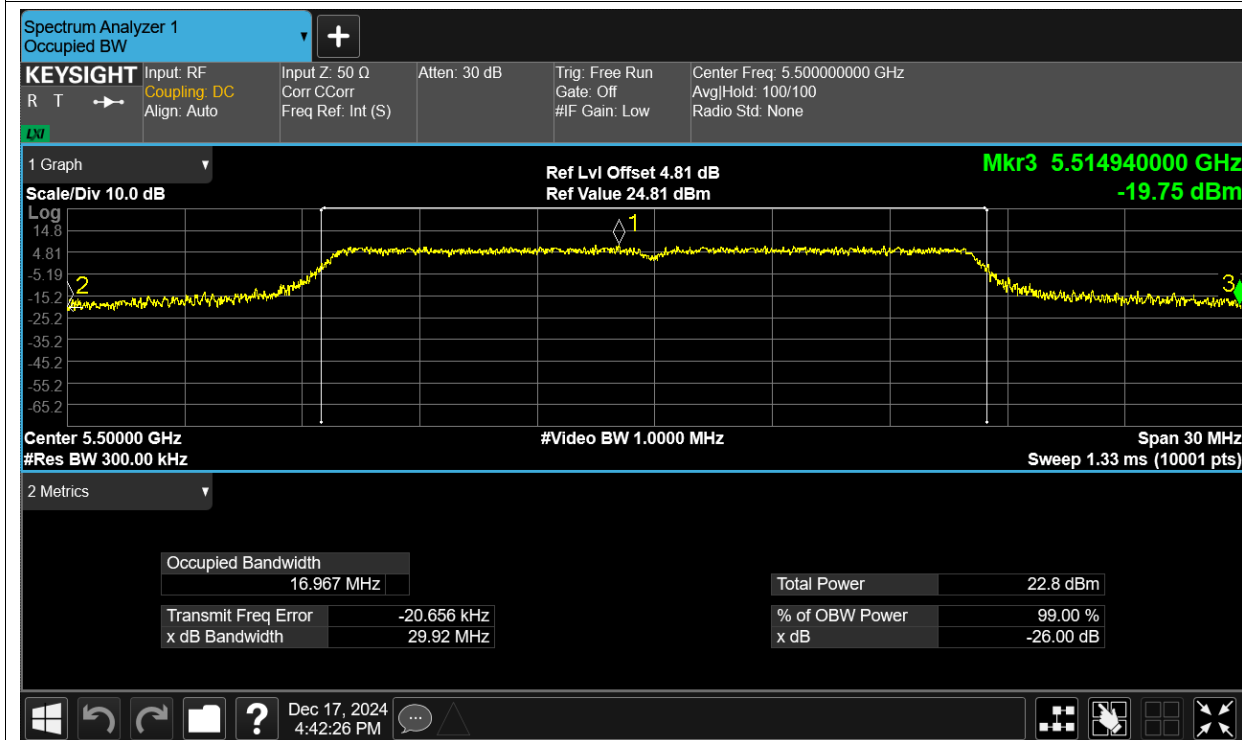
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant13	17.02	0.37	17.39	24	Pass
NVNT	a	5600	Ant13	18.35	0.37	18.72	24	Pass
NVNT	a	5700	Ant13	16.95	0.09	17.04	24	Pass
NVNT	ac20	5500	Ant13	15.82	0.44	16.26	24	Pass
NVNT	ac20	5600	Ant13	16.55	0.11	16.66	24	Pass
NVNT	ac20	5700	Ant13	15.7	0.1	15.8	24	Pass
NVNT	ac40	5510	Ant13	15.71	0.82	16.53	24	Pass
NVNT	ac40	5590	Ant13	15.79	0.83	16.62	24	Pass
NVNT	ac40	5670	Ant13	14.58	0.82	15.4	24	Pass
NVNT	ac80	5530	Ant13	15.34	1.52	16.86	24	Pass
NVNT	ac80	5610	Ant13	14.98	1.48	16.46	24	Pass
NVNT	n20	5500	Ant13	15.96	0.44	16.4	24	Pass
NVNT	n20	5600	Ant13	16.69	0.43	17.12	24	Pass
NVNT	n20	5700	Ant13	15.72	0.11	15.83	24	Pass
NVNT	n40	5510	Ant13	15.54	0.82	16.36	24	Pass
NVNT	n40	5590	Ant13	15.83	0.82	16.65	24	Pass
NVNT	n40	5670	Ant13	14.5	0.83	15.33	24	Pass

-26dB Bandwidth

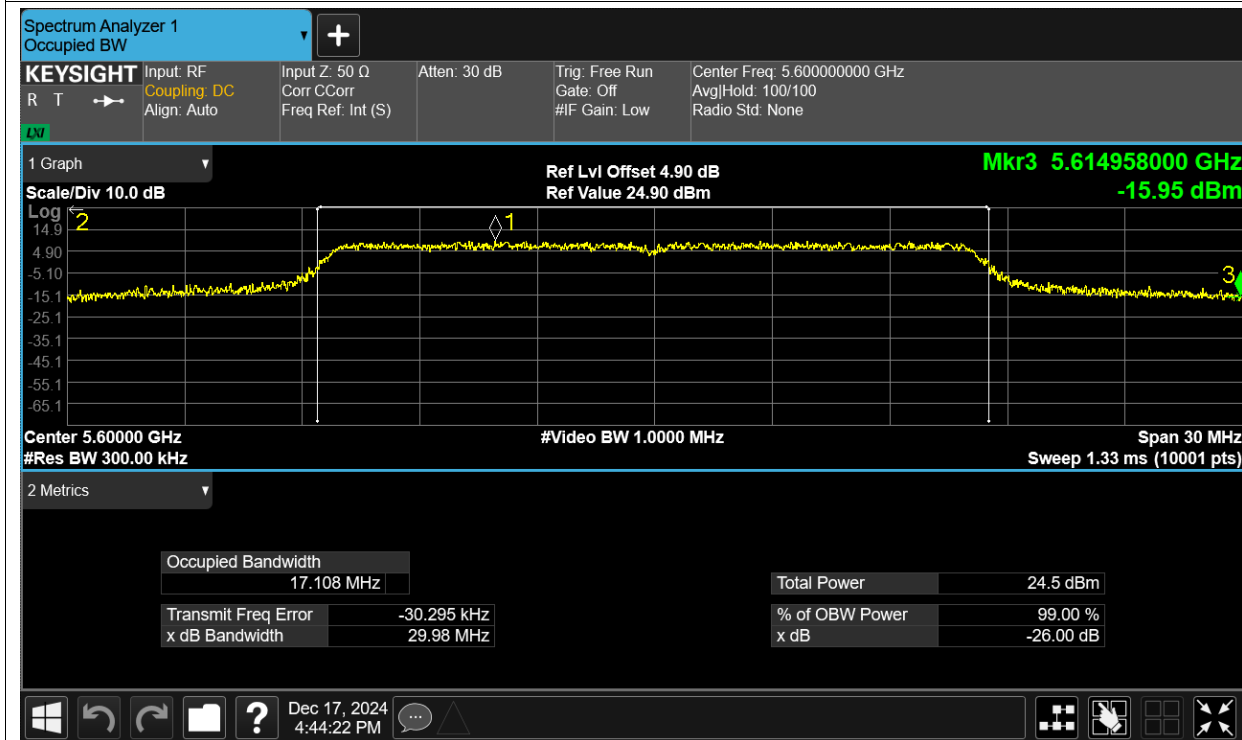
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant13	29.921
NVNT	a	5600	Ant13	29.978
NVNT	a	5700	Ant13	28.626
NVNT	ac20	5500	Ant13	29.405
NVNT	ac20	5600	Ant13	27.009
NVNT	ac20	5700	Ant13	25.628
NVNT	ac40	5510	Ant13	54.557
NVNT	ac40	5590	Ant13	54.033
NVNT	ac40	5670	Ant13	54.097
NVNT	ac80	5530	Ant13	80.475
NVNT	ac80	5610	Ant13	80.041
NVNT	n20	5500	Ant13	28.788
NVNT	n20	5600	Ant13	29.305
NVNT	n20	5700	Ant13	28.799
NVNT	n40	5510	Ant13	57.312
NVNT	n40	5590	Ant13	59.074
NVNT	n40	5670	Ant13	58.622

Test Graphs

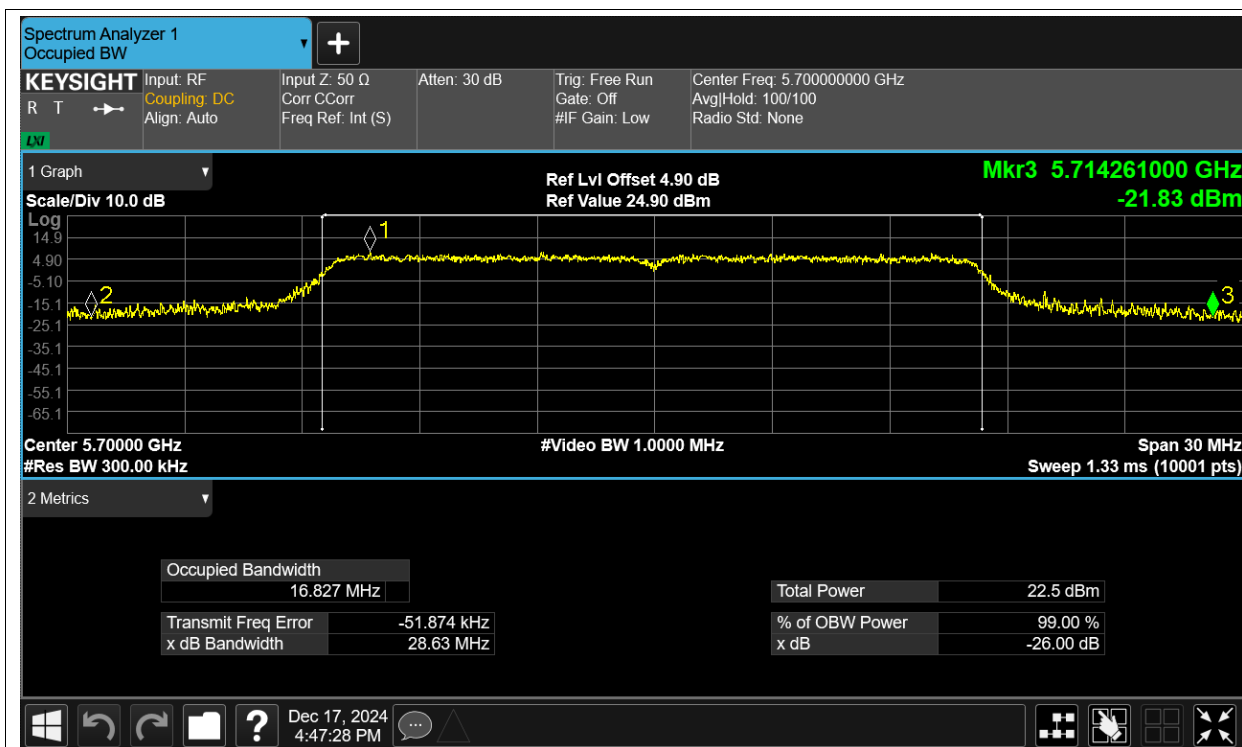
-26dB Bandwidth NVNT a 5500MHz Ant13



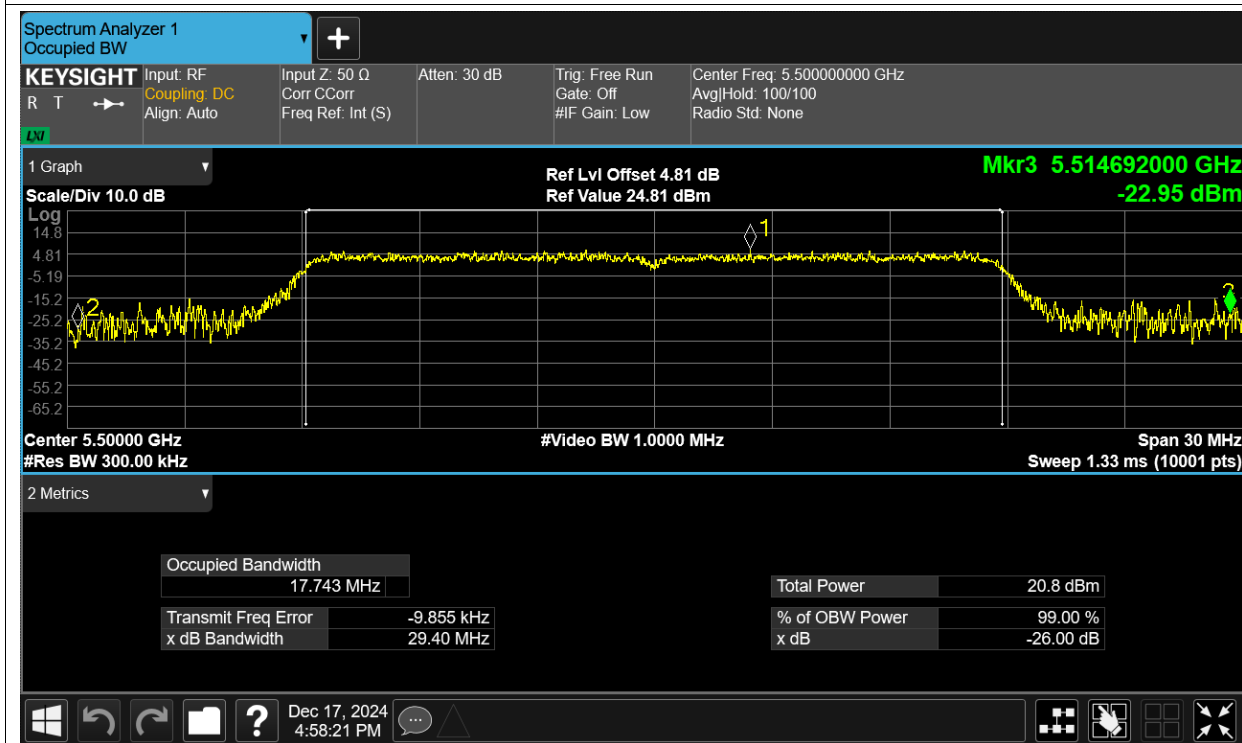
-26dB Bandwidth NVNT a 5600MHz Ant13



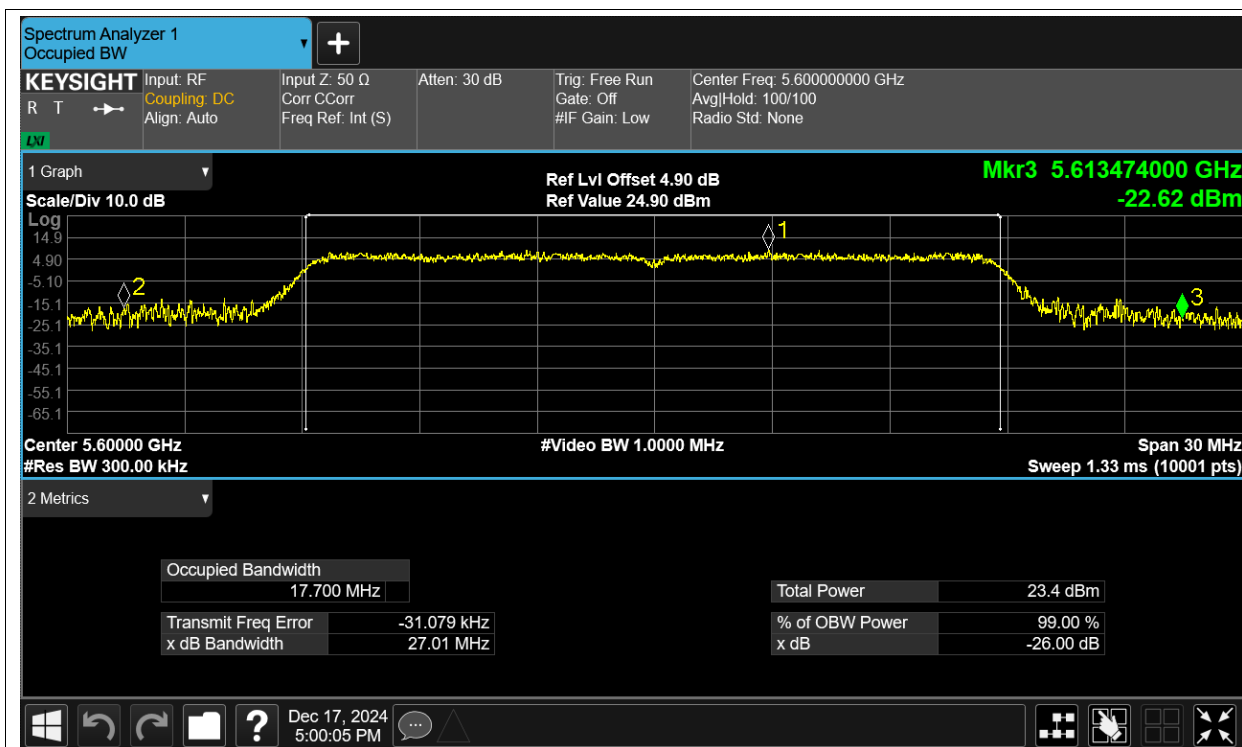
-26dB Bandwidth NVNT a 5700MHz Ant13



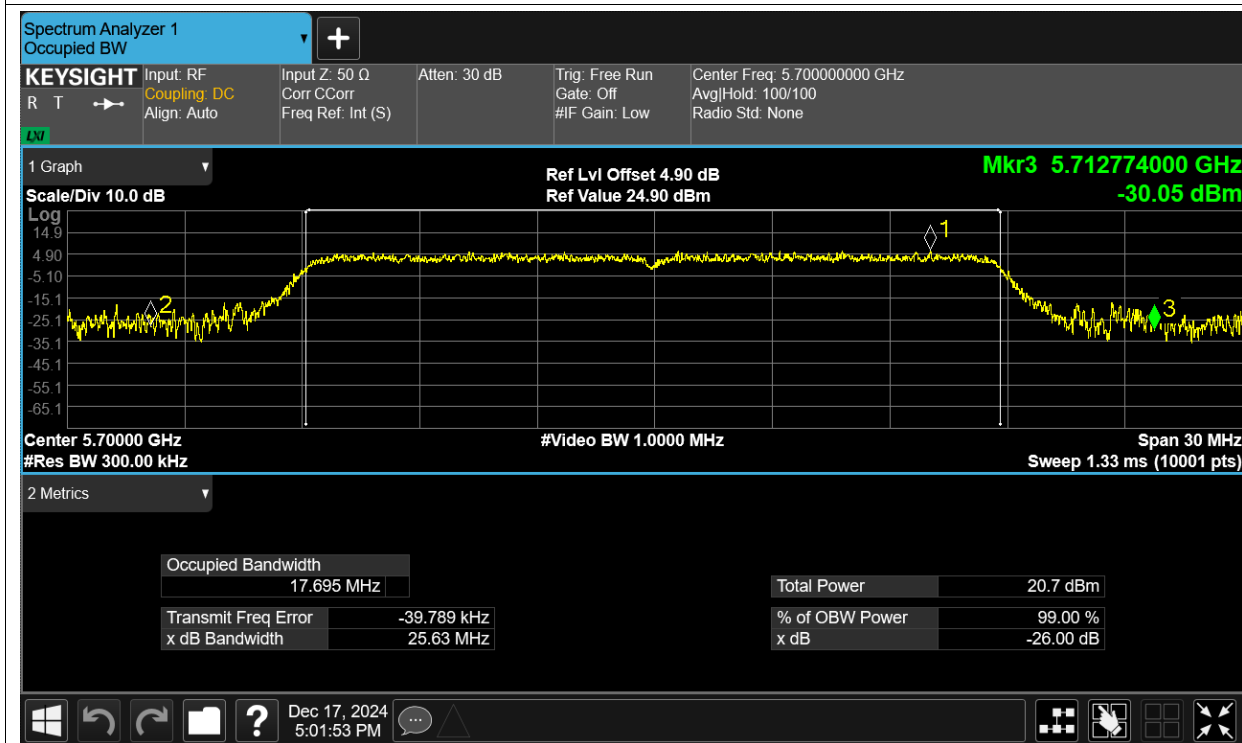
-26dB Bandwidth NVNT ac20 5500MHz Ant13



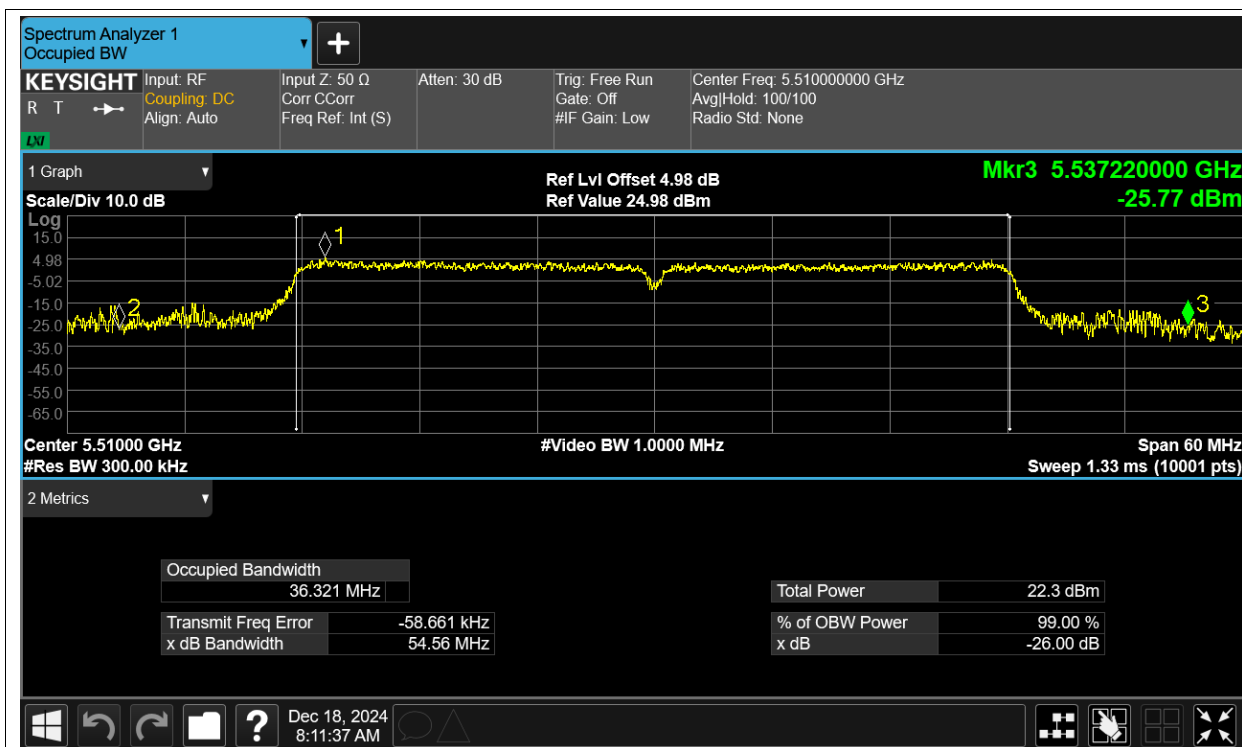
-26dB Bandwidth NVNT ac20 5600MHz Ant13



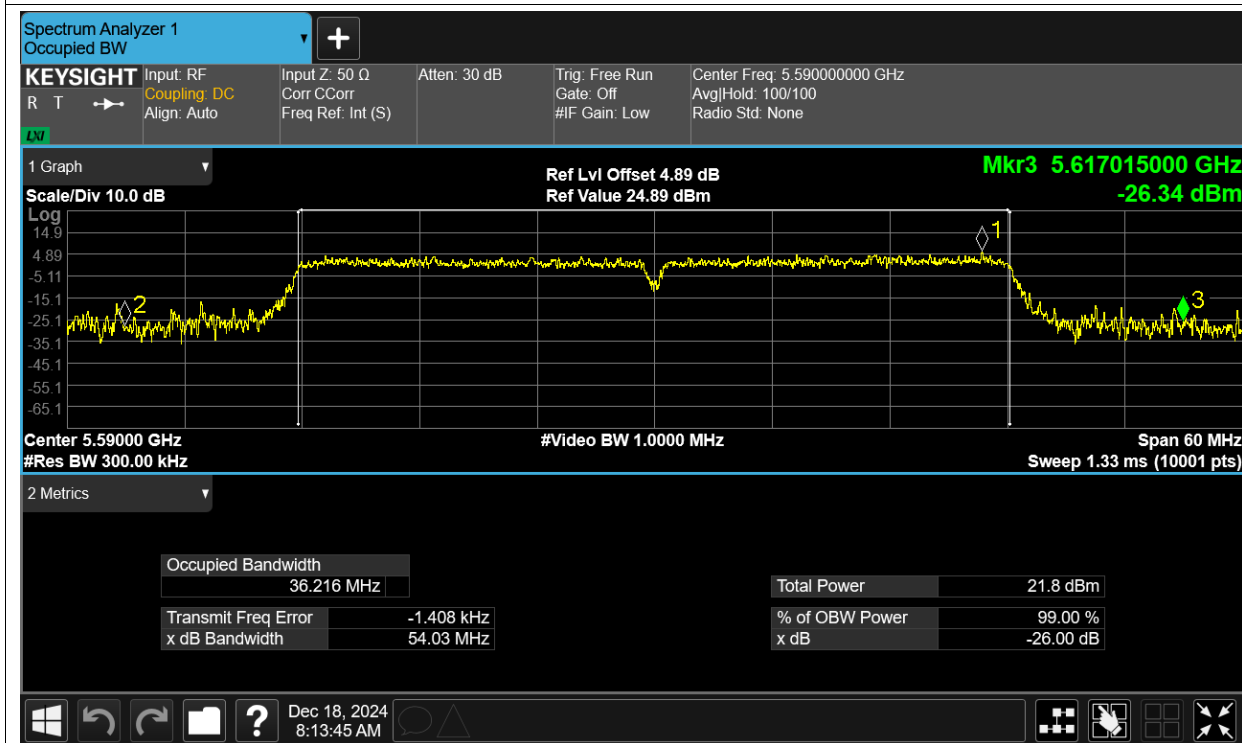
-26dB Bandwidth NVNT ac20 5700MHz Ant13



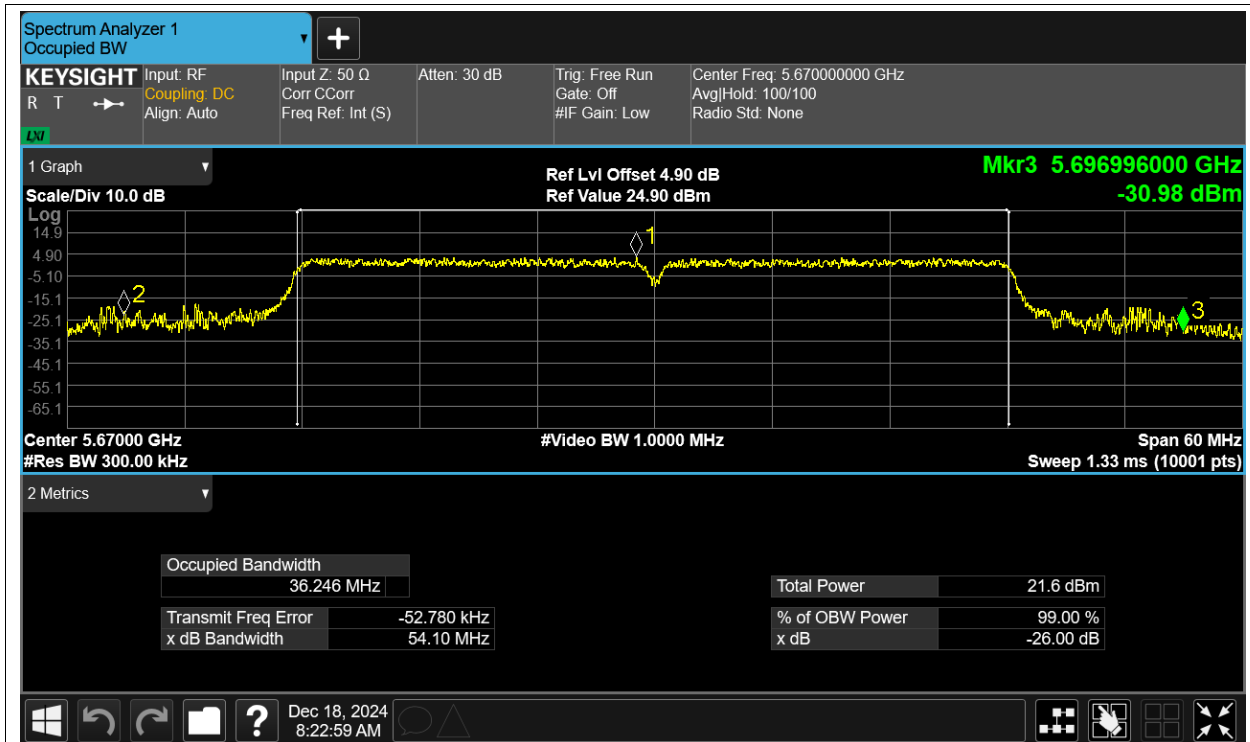
-26dB Bandwidth NVNT ac40 5510MHz Ant13



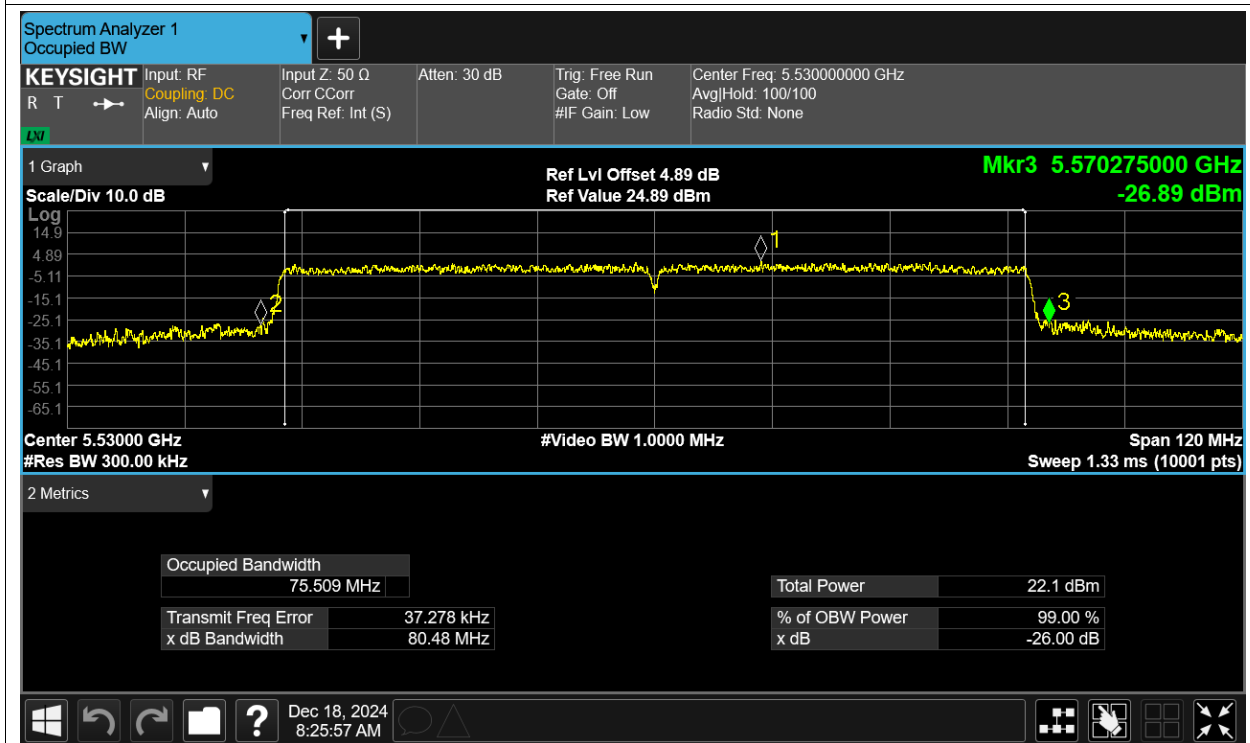
-26dB Bandwidth NVNT ac40 5590MHz Ant13



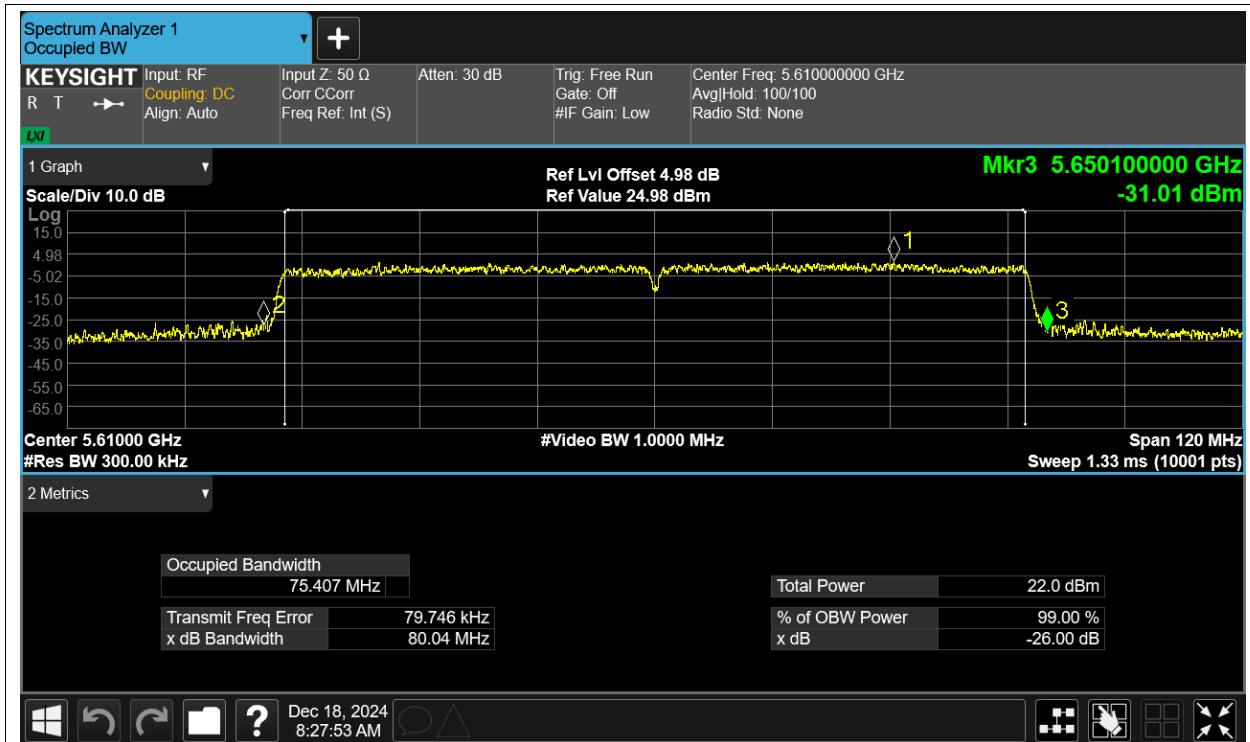
-26dB Bandwidth NVNT ac40 5670MHz Ant13



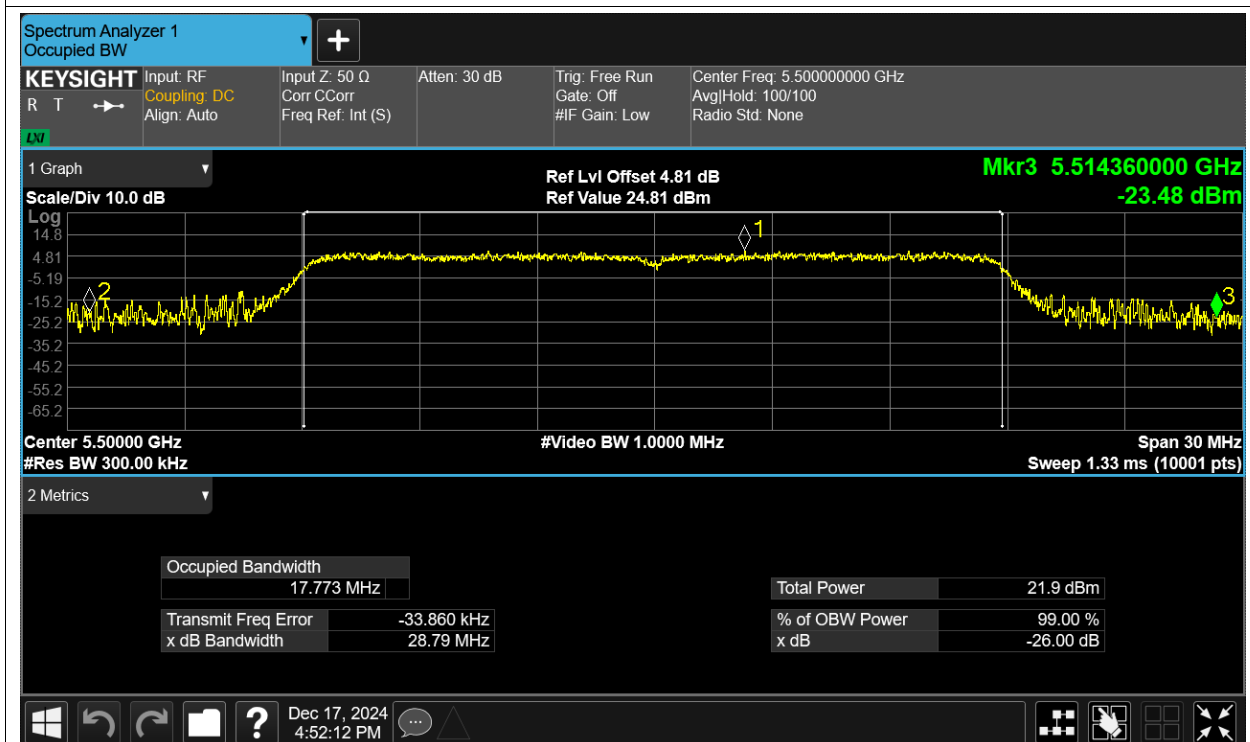
-26dB Bandwidth NVNT ac80 5530MHz Ant13



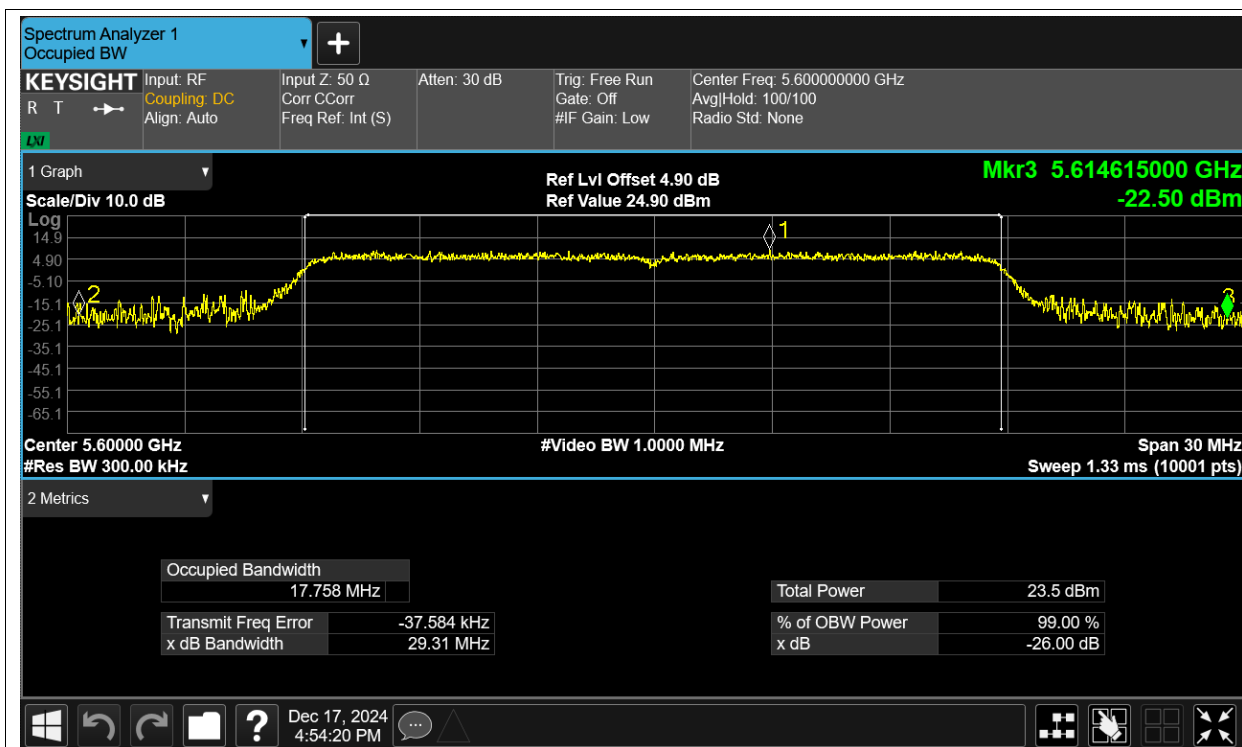
-26dB Bandwidth NVNT ac80 5610MHz Ant13



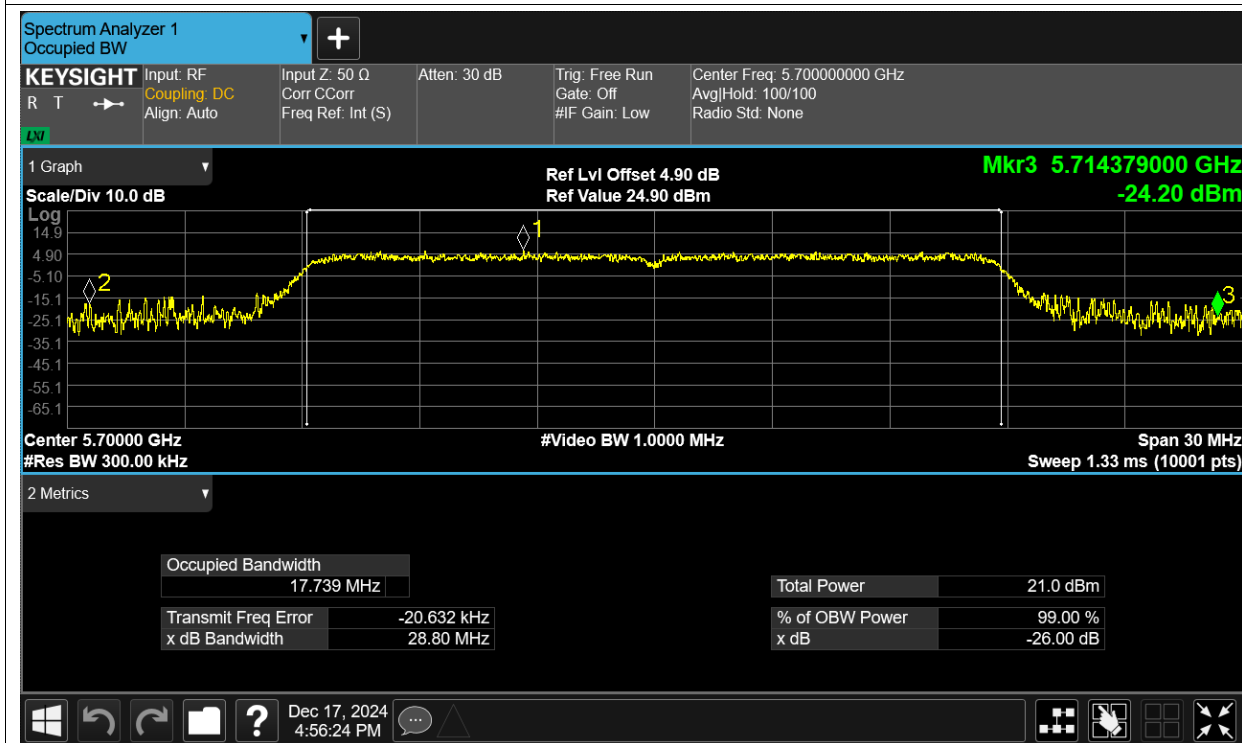
-26dB Bandwidth NVNT n20 5500MHz Ant13



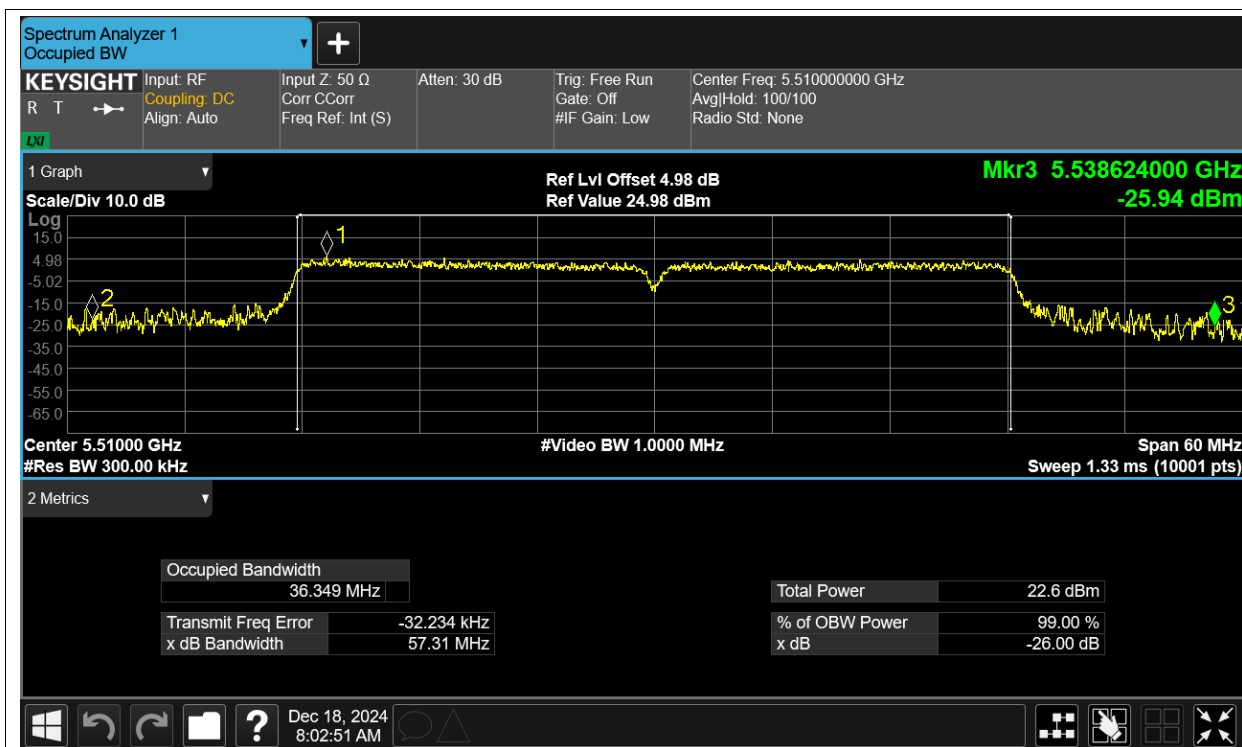
-26dB Bandwidth NVNT n20 5600MHz Ant13



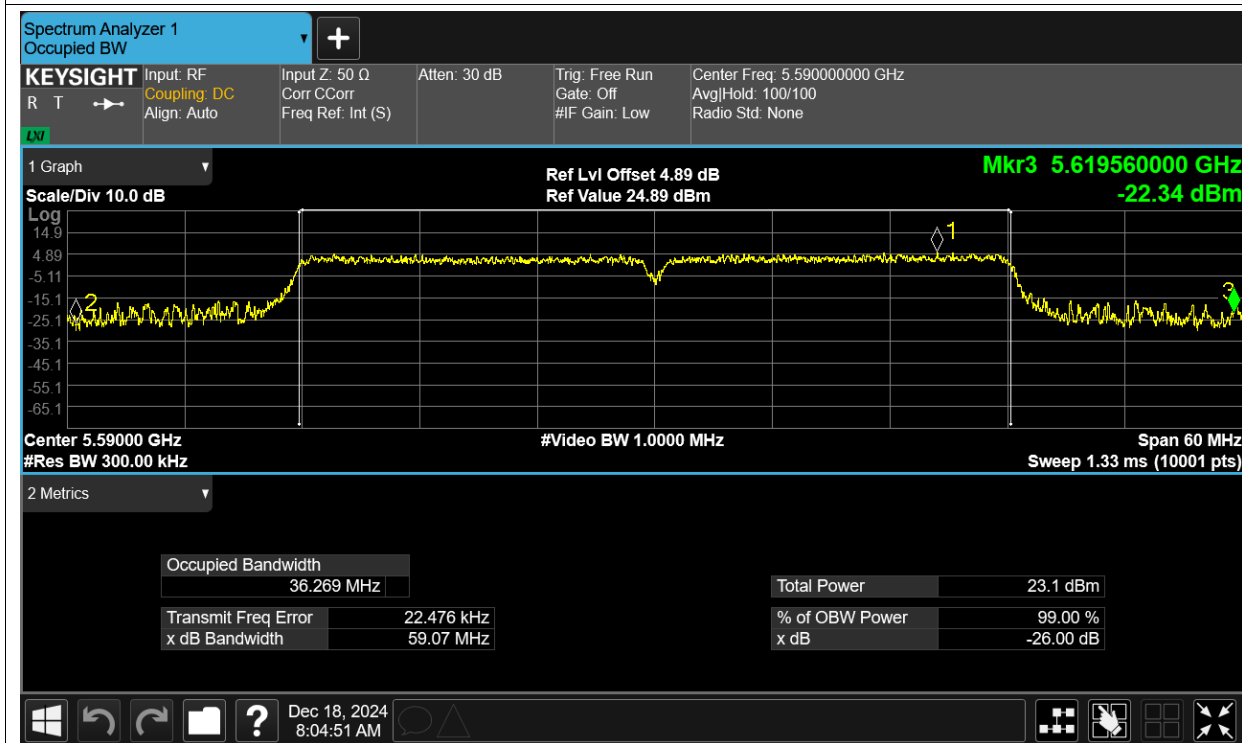
-26dB Bandwidth NVNT n20 5700MHz Ant13



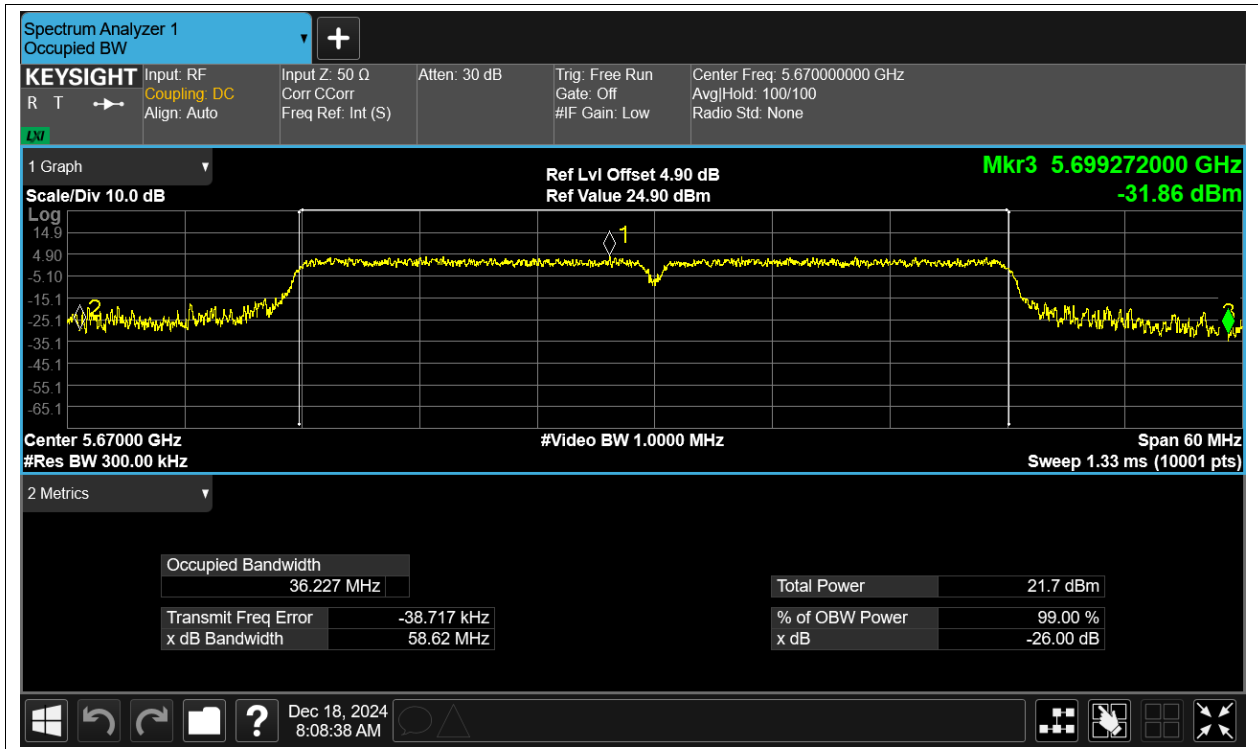
-26dB Bandwidth NVNT n40 5510MHz Ant13



-26dB Bandwidth NVNT n40 5590MHz Ant13

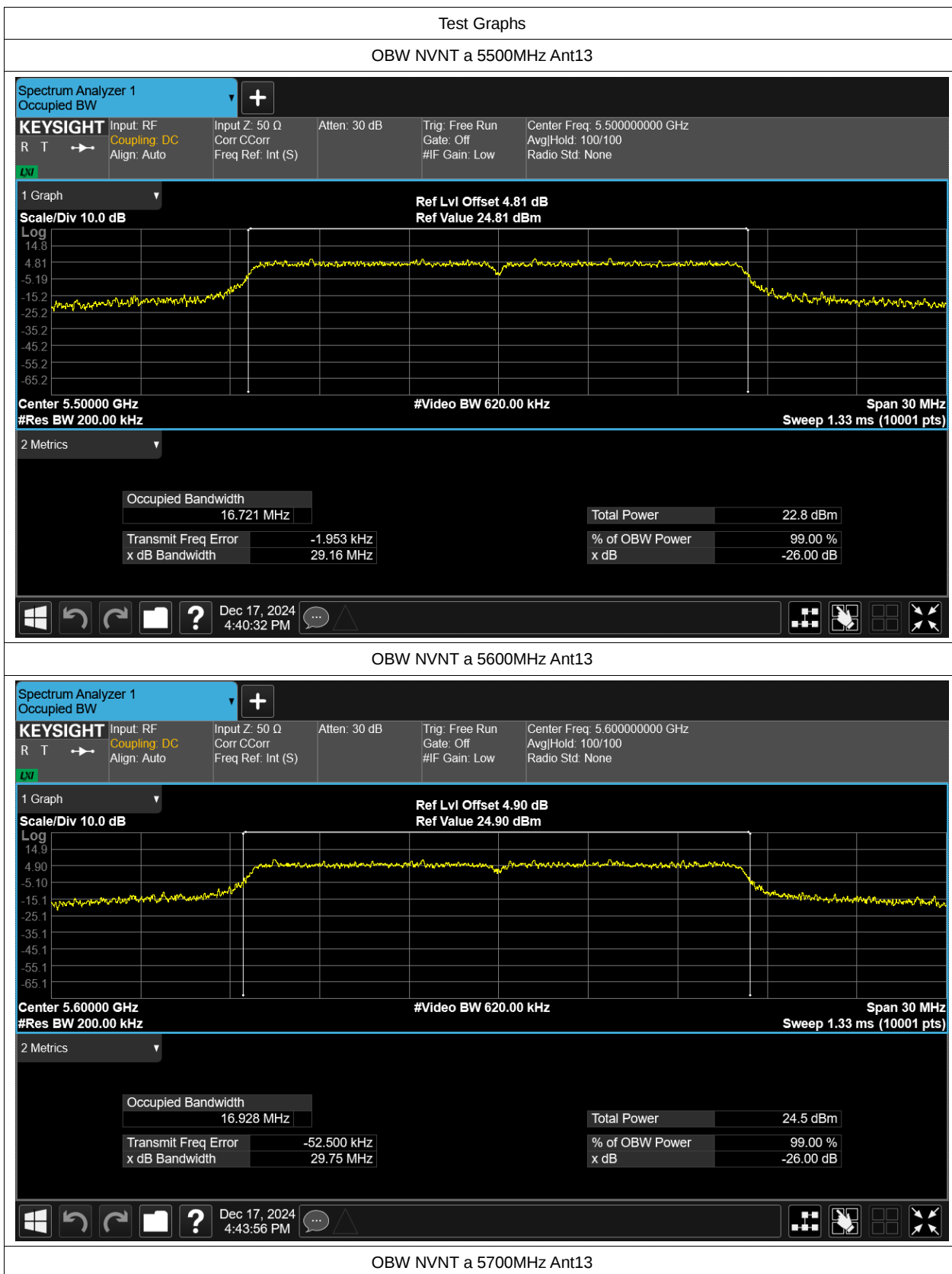


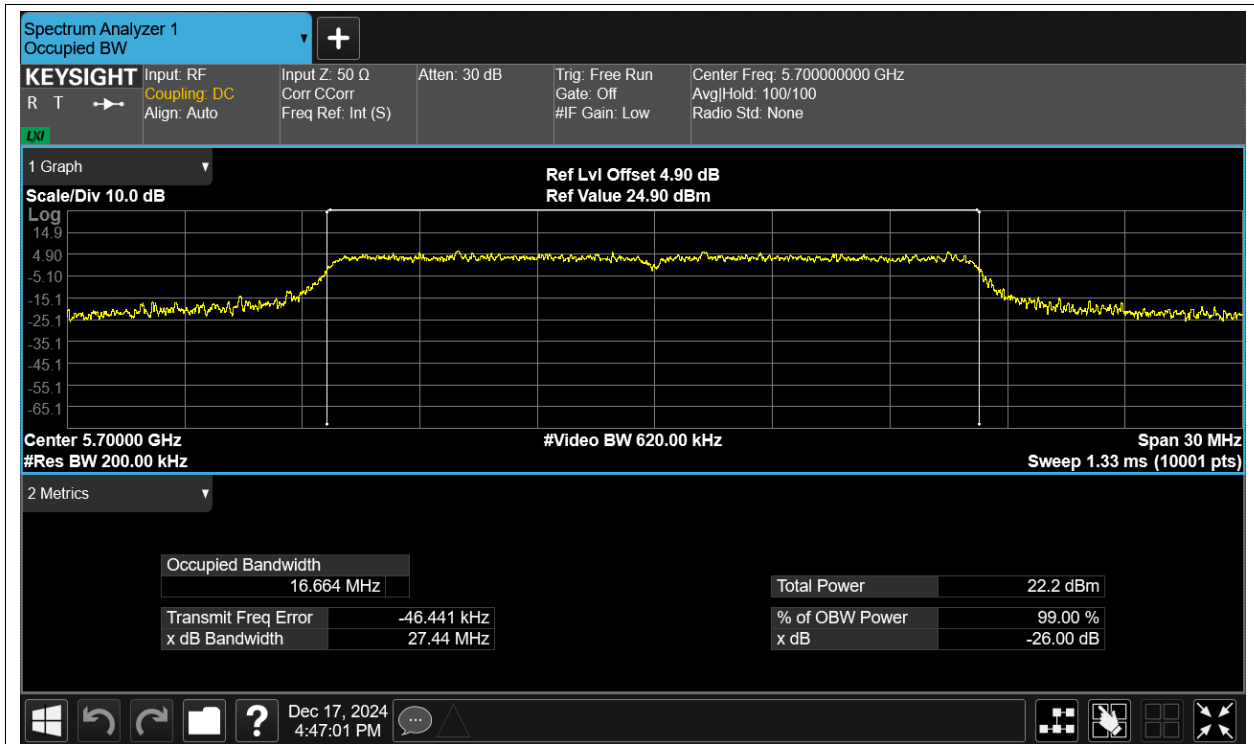
-26dB Bandwidth NVNT n40 5670MHz Ant13



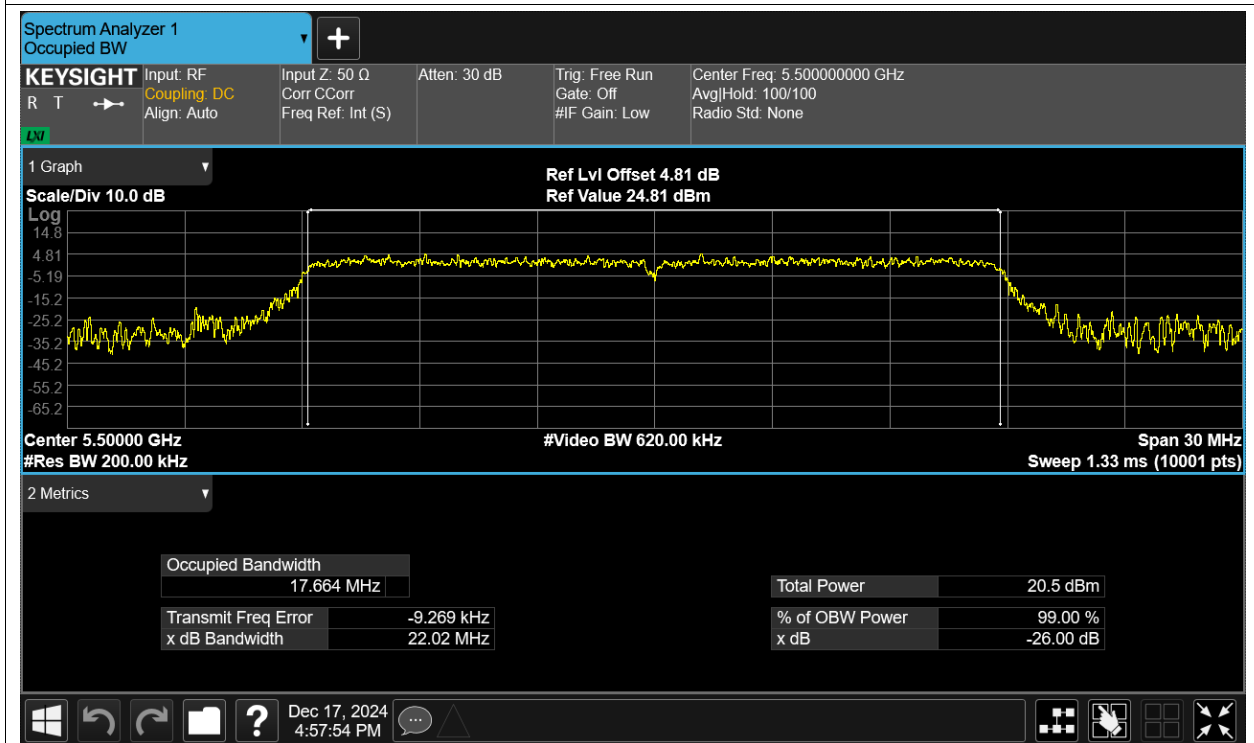
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant13	16.721
NVNT	a	5600	Ant13	16.928
NVNT	a	5700	Ant13	16.664
NVNT	ac20	5500	Ant13	17.664
NVNT	ac20	5600	Ant13	17.631
NVNT	ac20	5700	Ant13	17.645
NVNT	ac40	5510	Ant13	36.435
NVNT	ac40	5590	Ant13	36.331
NVNT	ac40	5670	Ant13	36.362
NVNT	ac80	5530	Ant13	75.458
NVNT	ac80	5610	Ant13	75.49
NVNT	n20	5500	Ant13	17.695
NVNT	n20	5600	Ant13	17.609
NVNT	n20	5700	Ant13	17.643
NVNT	n40	5510	Ant13	36.434
NVNT	n40	5590	Ant13	36.336
NVNT	n40	5670	Ant13	36.29

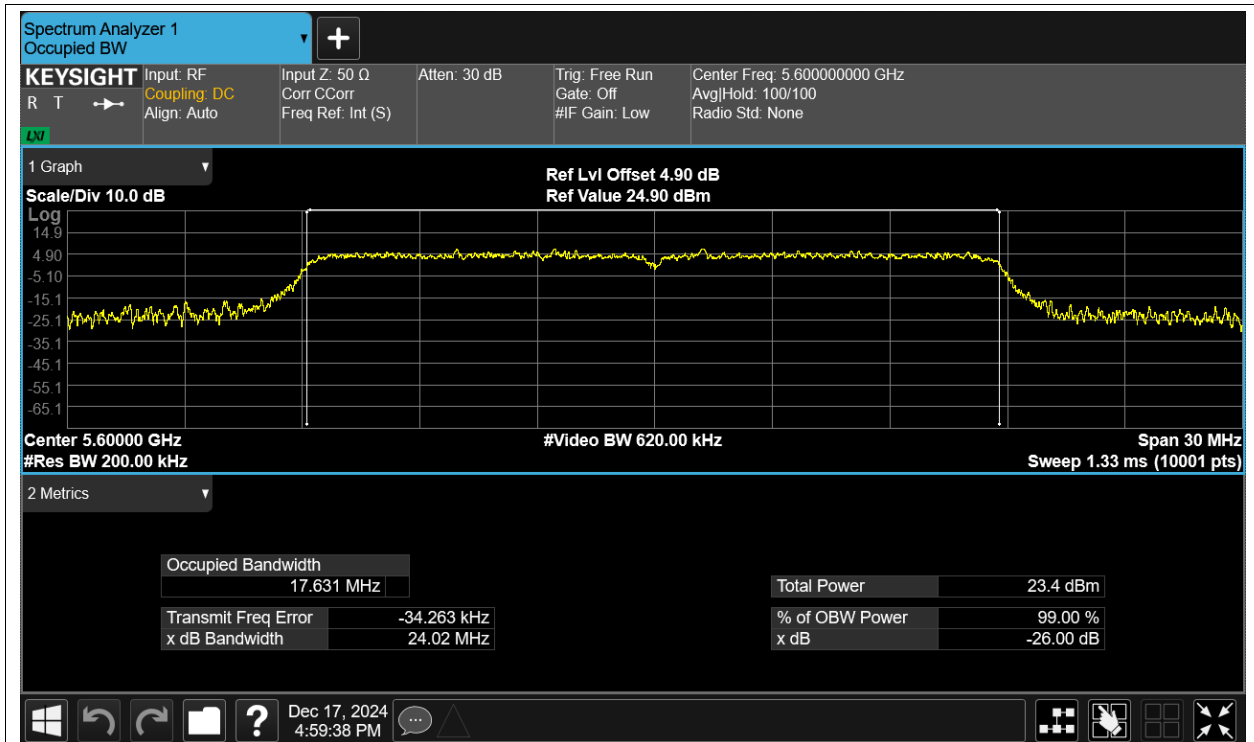




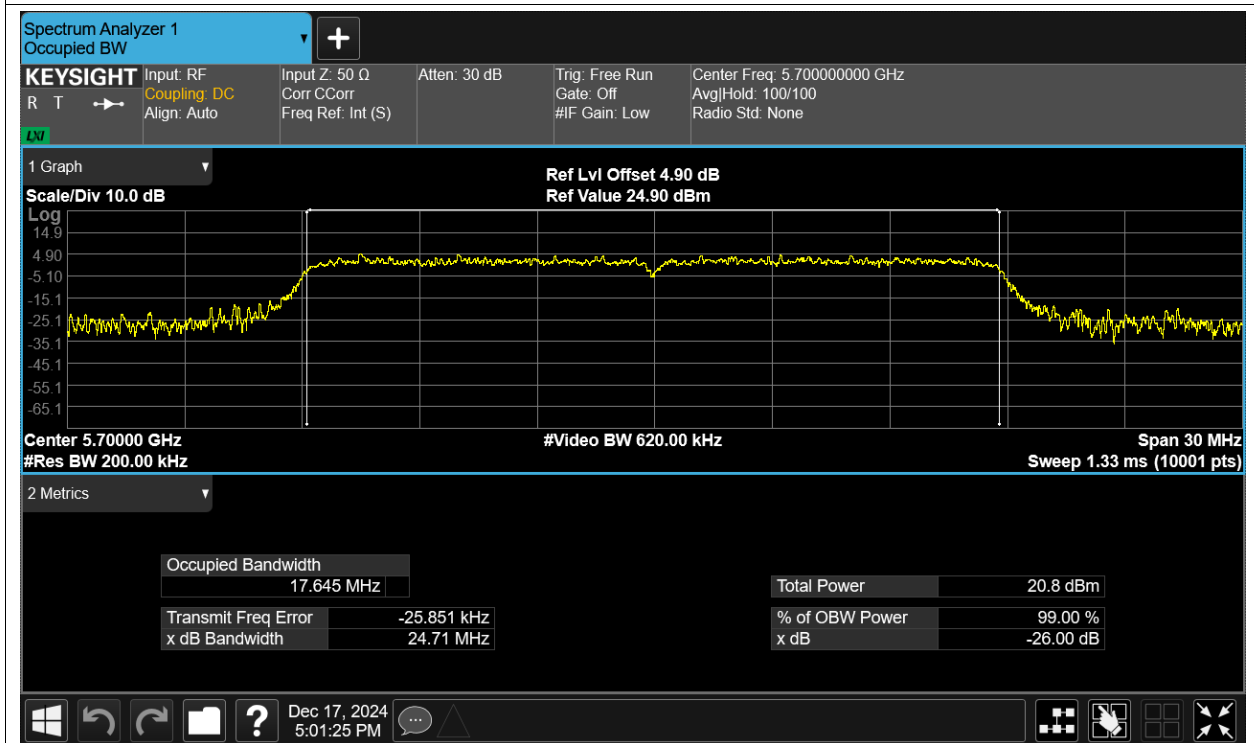
OBW NVNT ac20 5500MHz Ant13



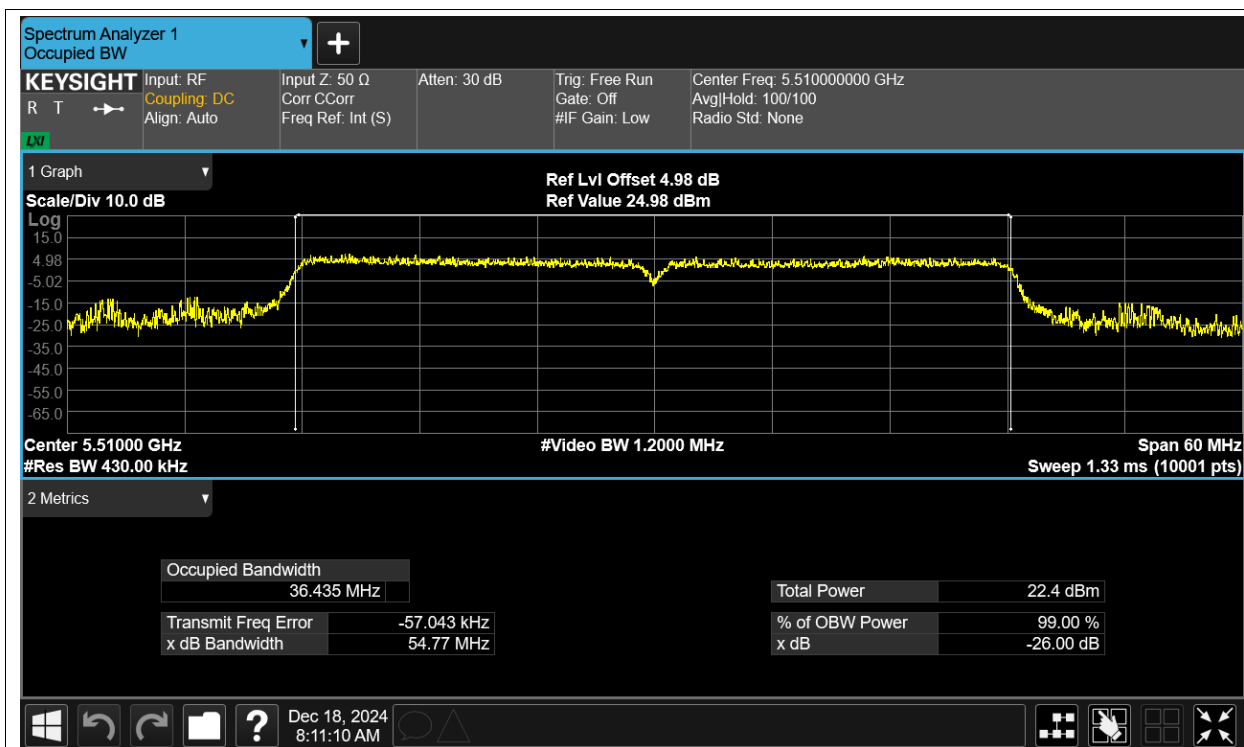
OBW NVNT ac20 5600MHz Ant13



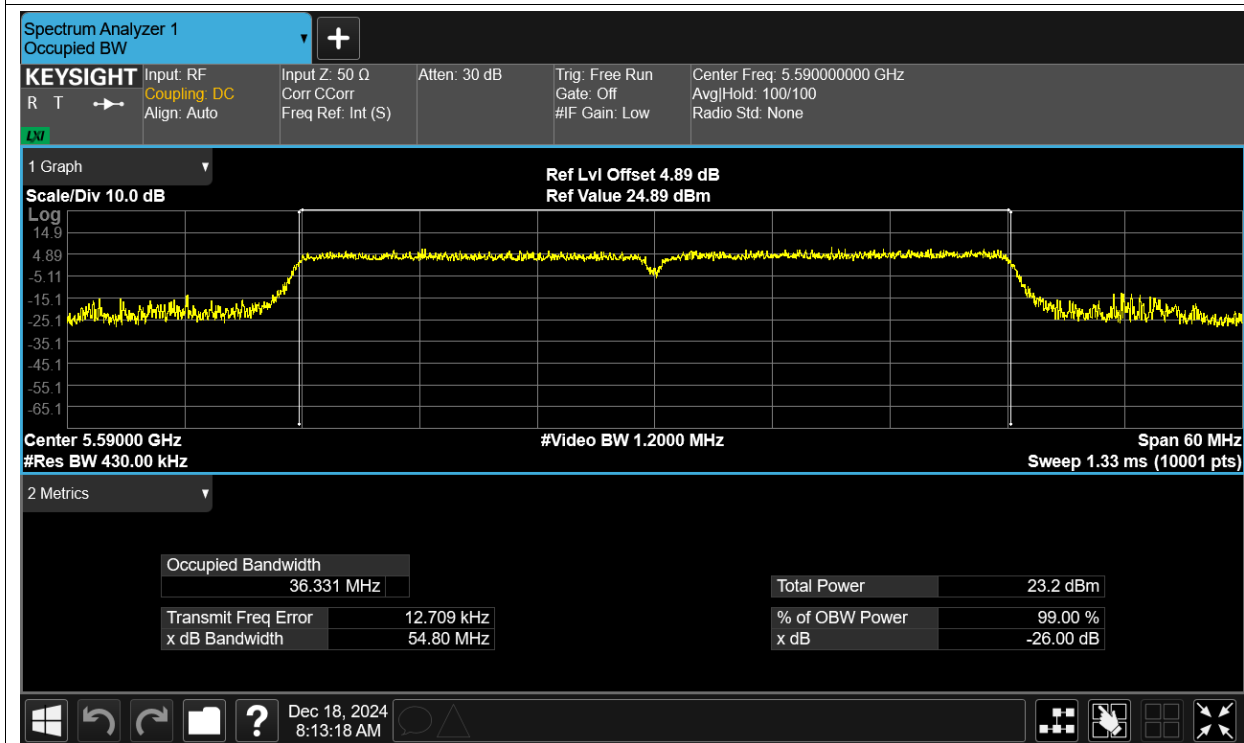
OBW NVNT ac20 5700MHz Ant13



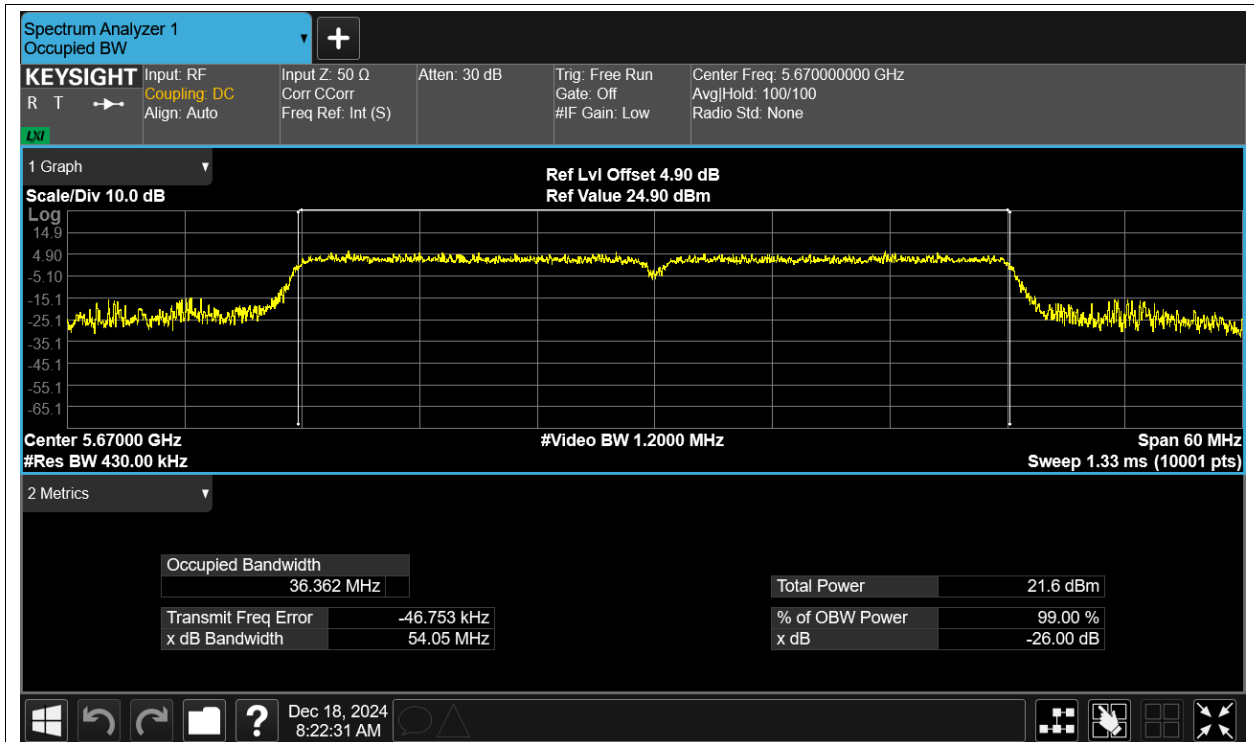
OBW NVNT ac40 5510MHz Ant13



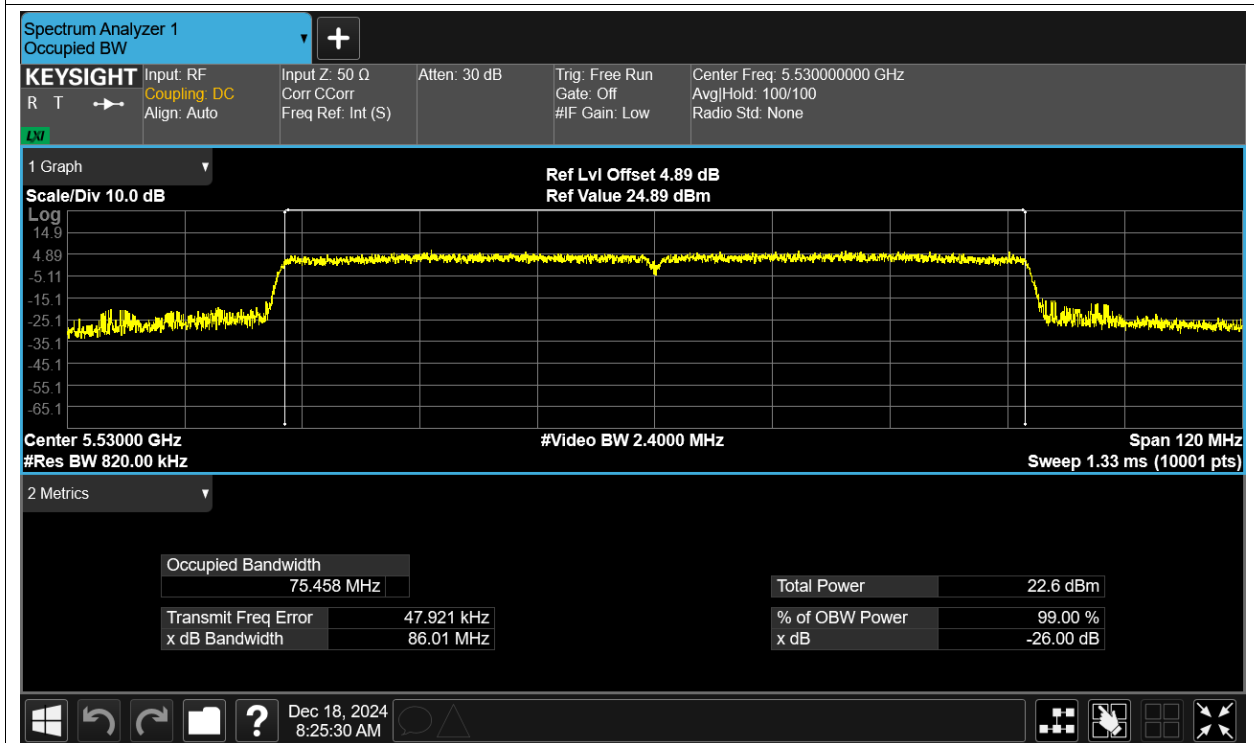
OBW NVNT ac40 5590MHz Ant13



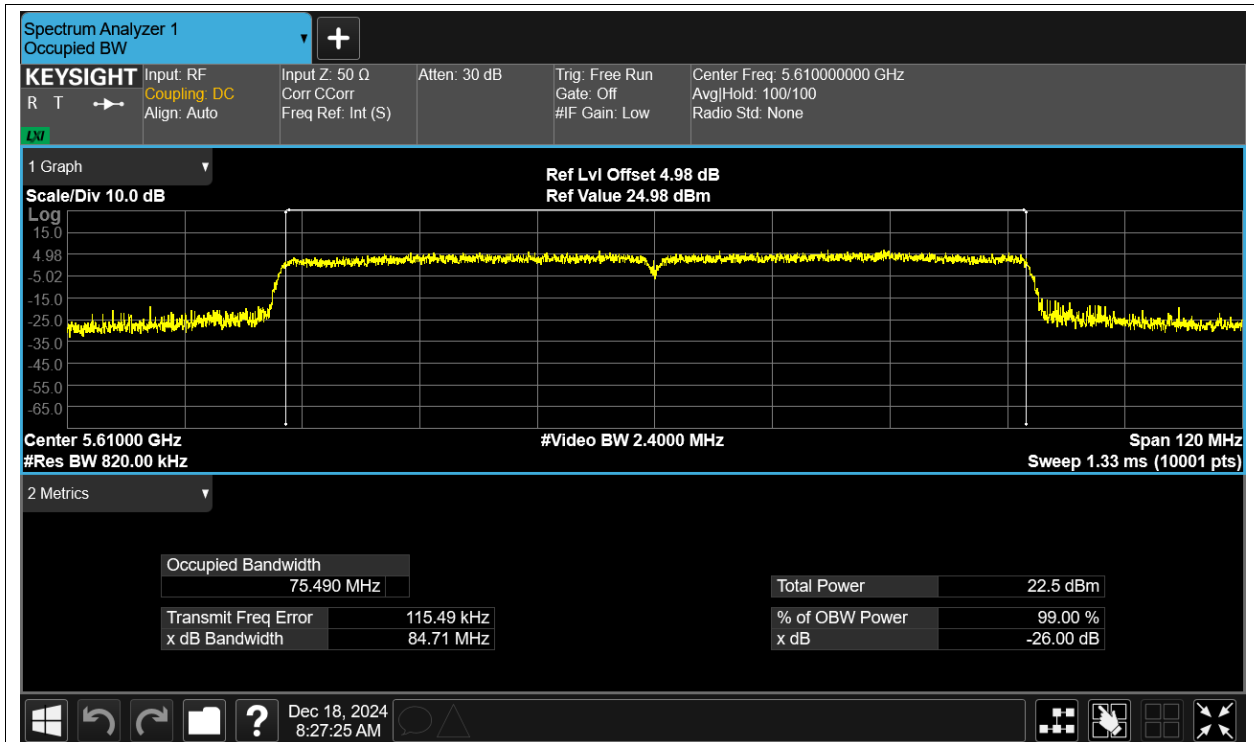
OBW NVNT ac40 5670MHz Ant13



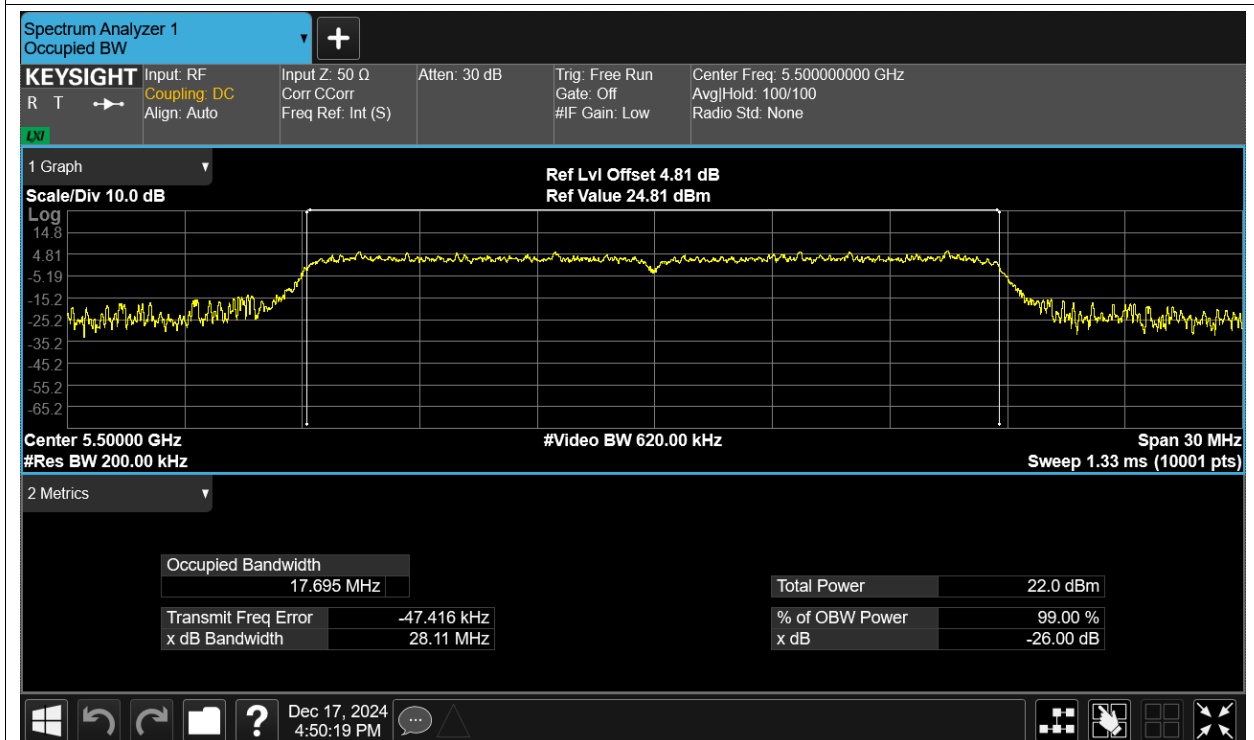
OBW NVNT ac80 5530MHz Ant13



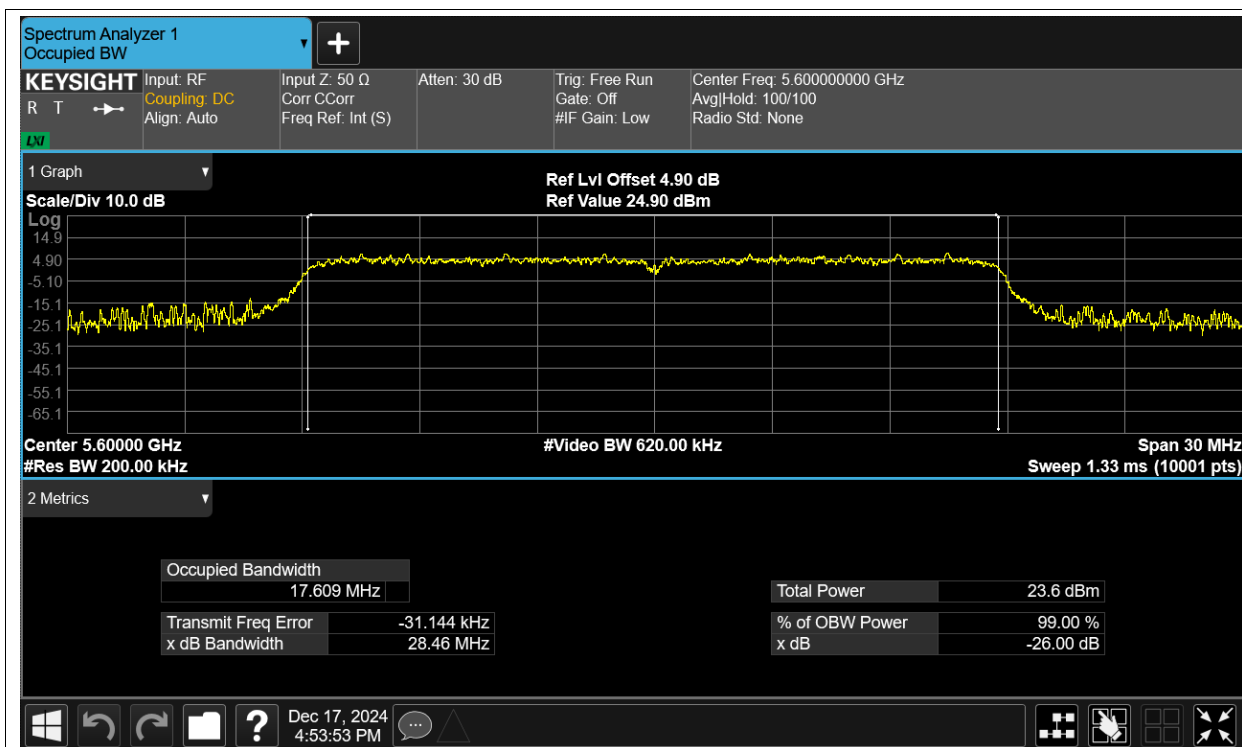
OBW NVNT ac80 5610MHz Ant13



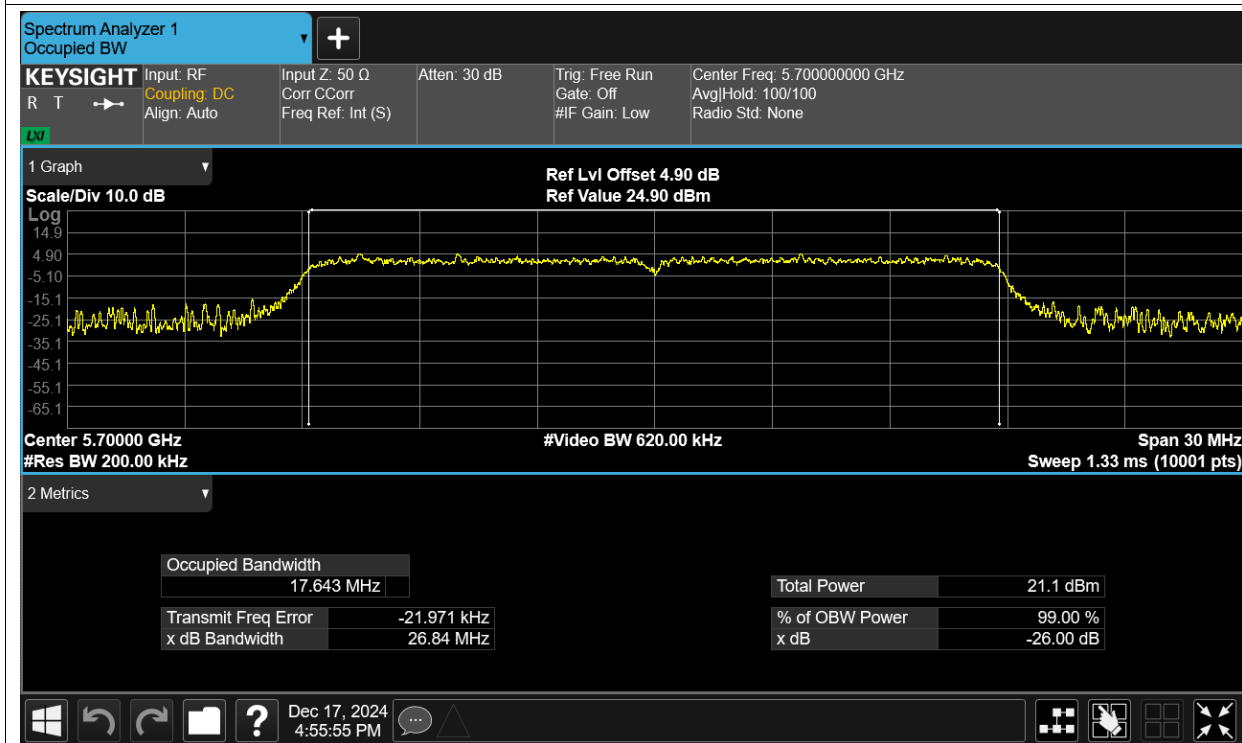
OBW NVNT n20 5500MHz Ant13



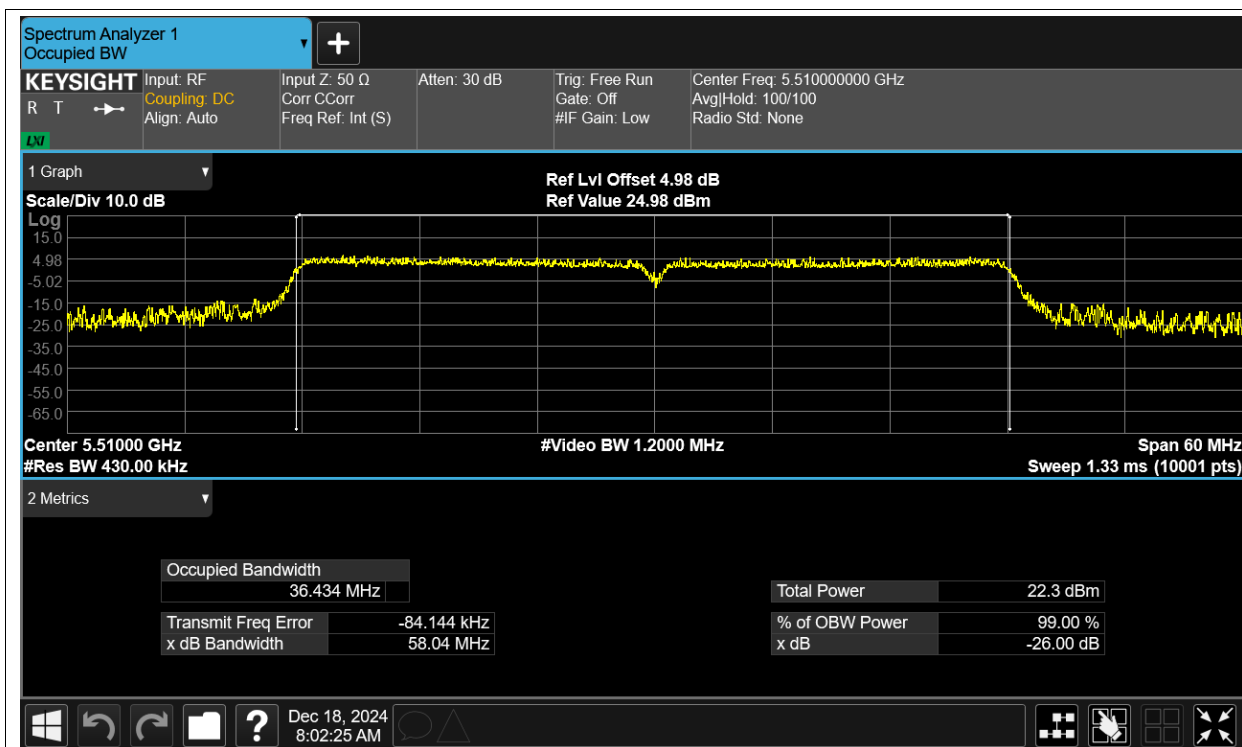
OBW NVNT n20 5600MHz Ant13



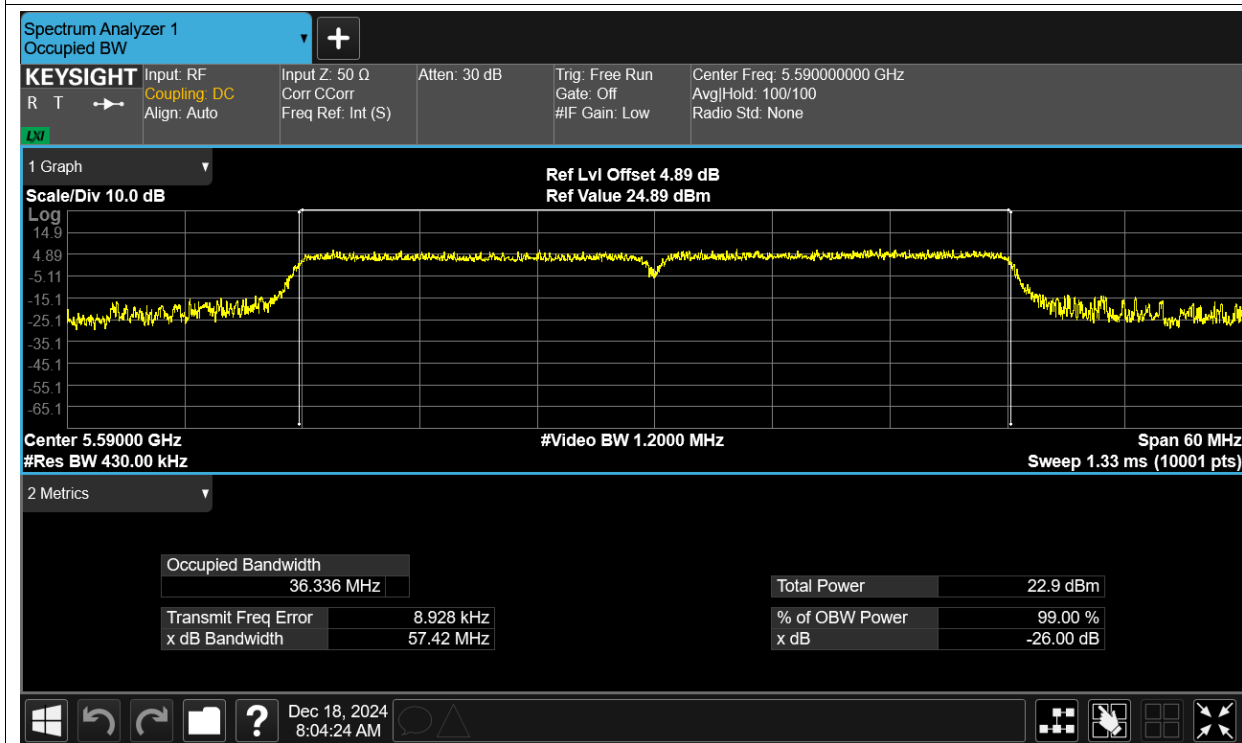
OBW NVNT n20 5700MHz Ant13



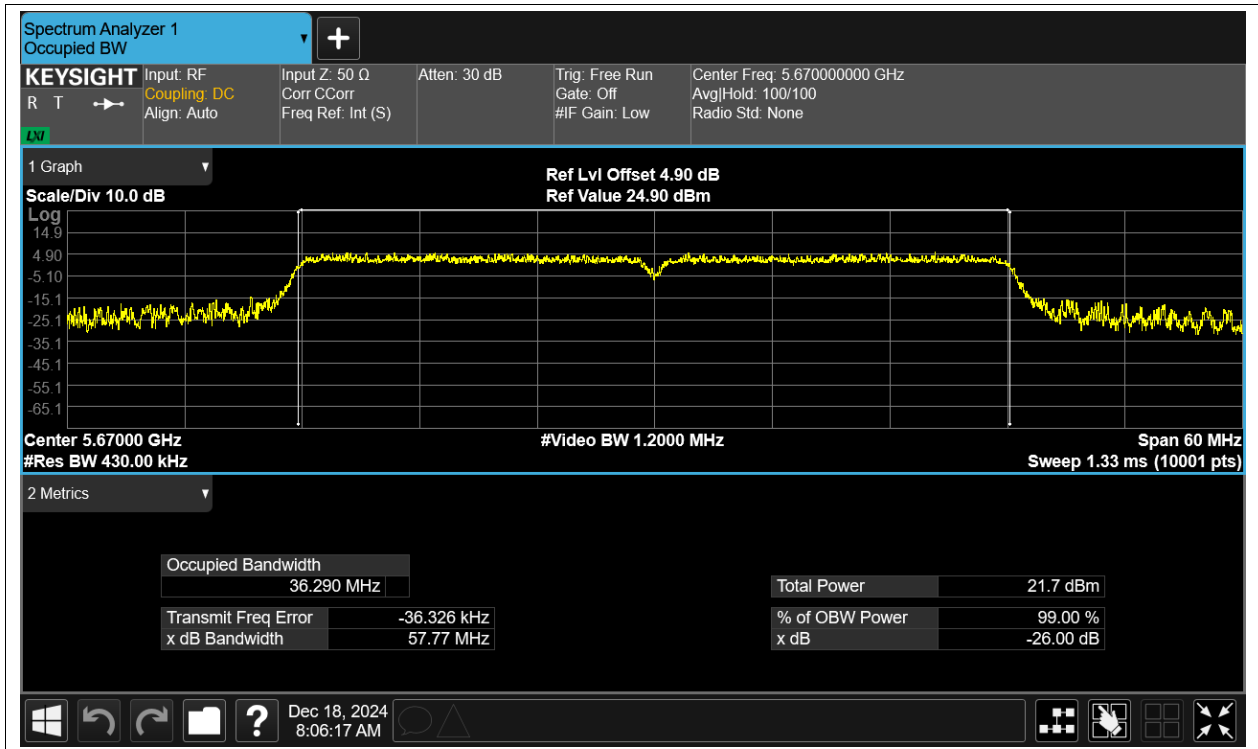
OBW NVNT n40 5510MHz Ant13



OBW NVNT n40 5590MHz Ant13



OBW NVNT n40 5670MHz Ant13

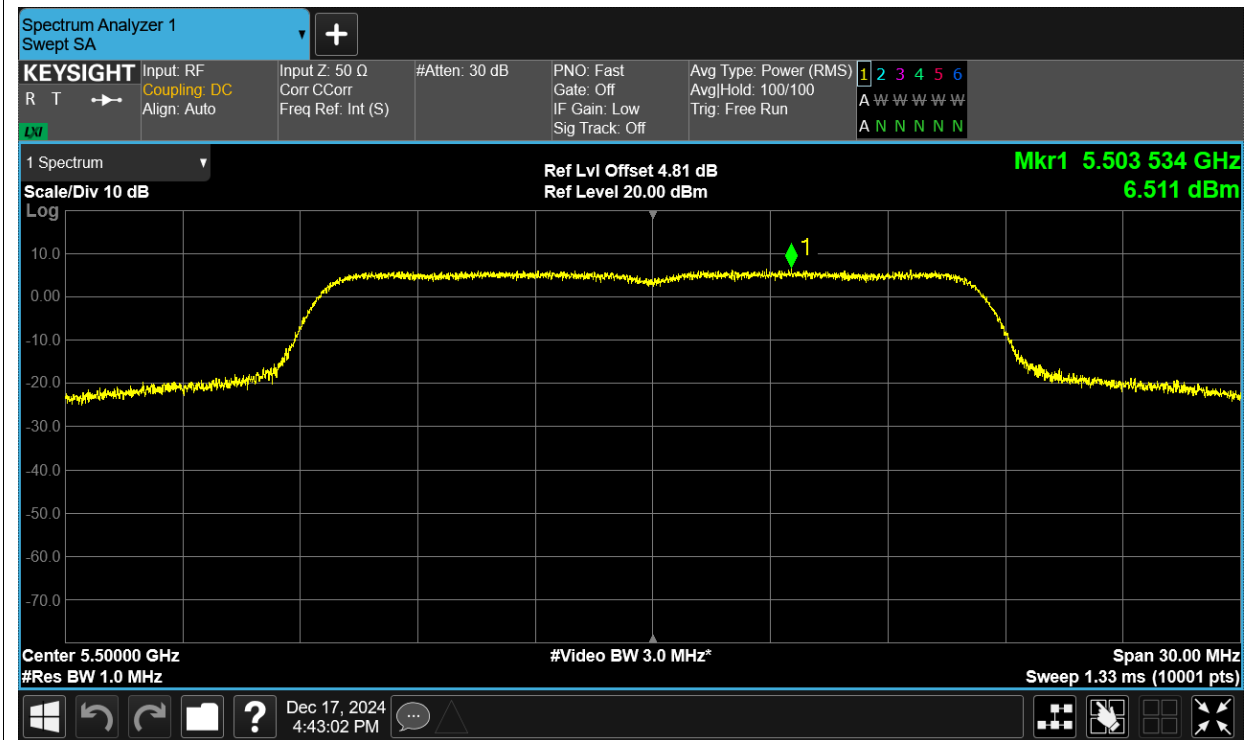


Maximum Power Spectral Density Level

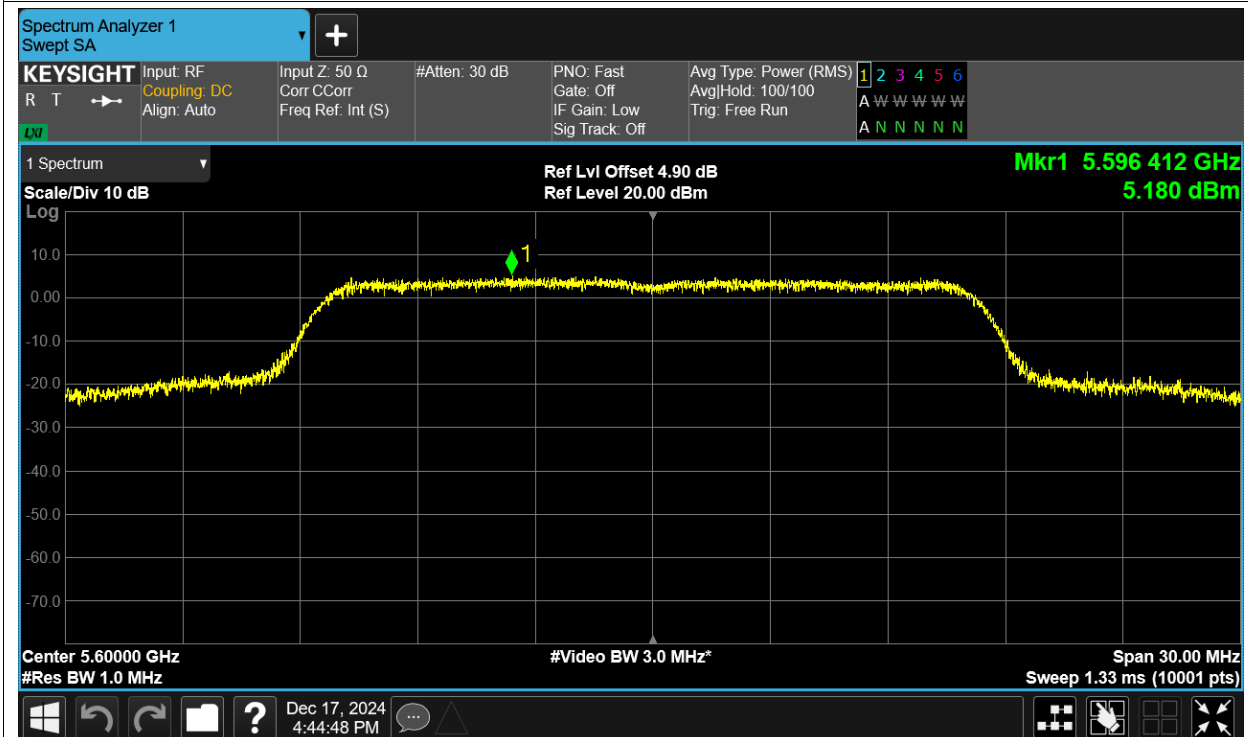
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant13	6.511	11	Pass
NVNT	a	5600	Ant13	5.18	11	Pass
NVNT	a	5700	Ant13	4.636	11	Pass
NVNT	ac20	5500	Ant13	5.694	11	Pass
NVNT	ac20	5600	Ant13	7.074	11	Pass
NVNT	ac20	5700	Ant13	4.5	11	Pass
NVNT	ac40	5510	Ant13	3.045	11	Pass
NVNT	ac40	5590	Ant13	3.16	11	Pass
NVNT	ac40	5670	Ant13	1.508	11	Pass
NVNT	ac80	5530	Ant13	-2.027	11	Pass
NVNT	ac80	5610	Ant13	-1.951	11	Pass
NVNT	n20	5500	Ant13	5.667	11	Pass
NVNT	n20	5600	Ant13	4.348	11	Pass
NVNT	n20	5700	Ant13	4.718	11	Pass
NVNT	n40	5510	Ant13	3.292	11	Pass
NVNT	n40	5590	Ant13	3.511	11	Pass
NVNT	n40	5670	Ant13	1.977	11	Pass

Test Graphs

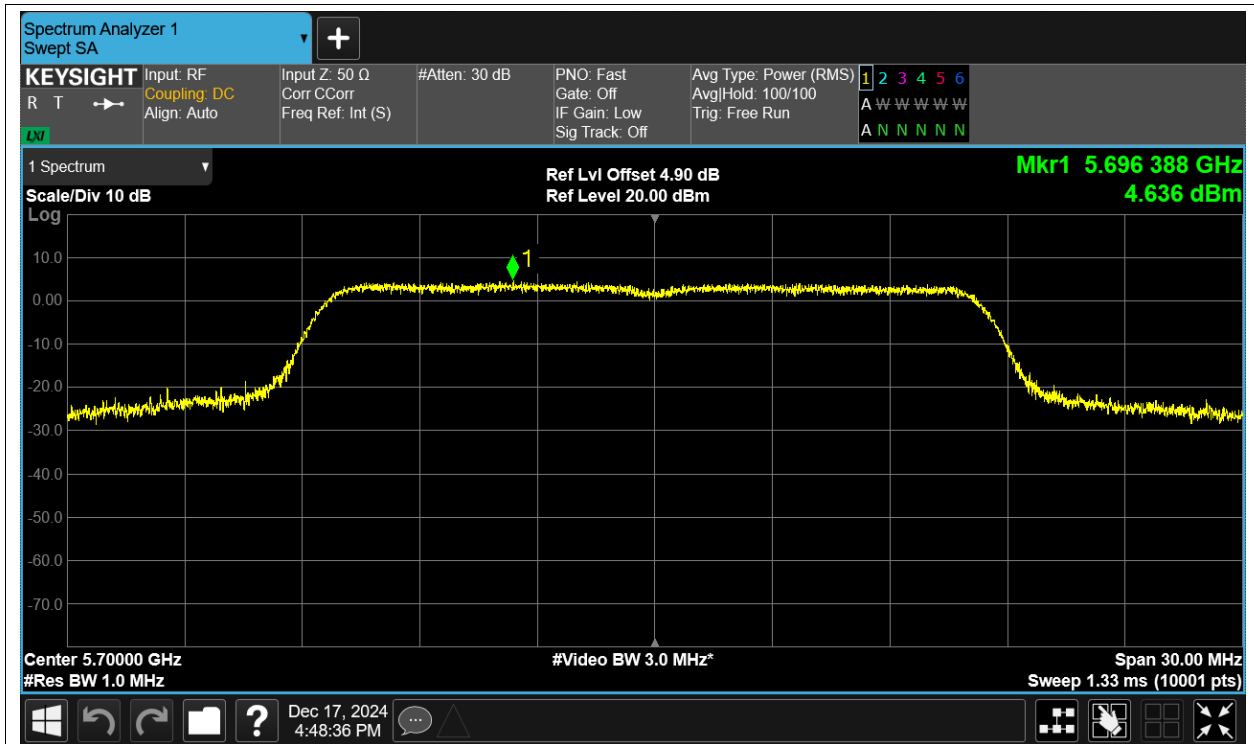
PSD NVNT a 5500MHz Ant13



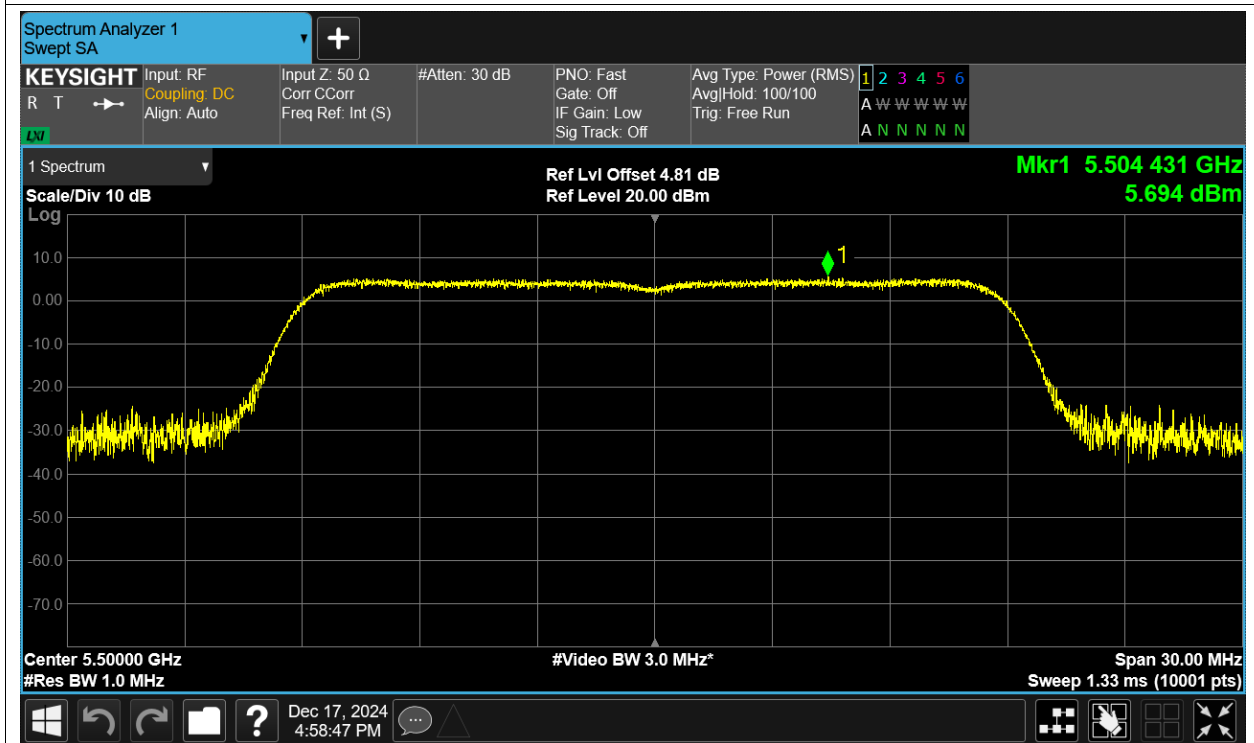
PSD NVNT a 5600MHz Ant13



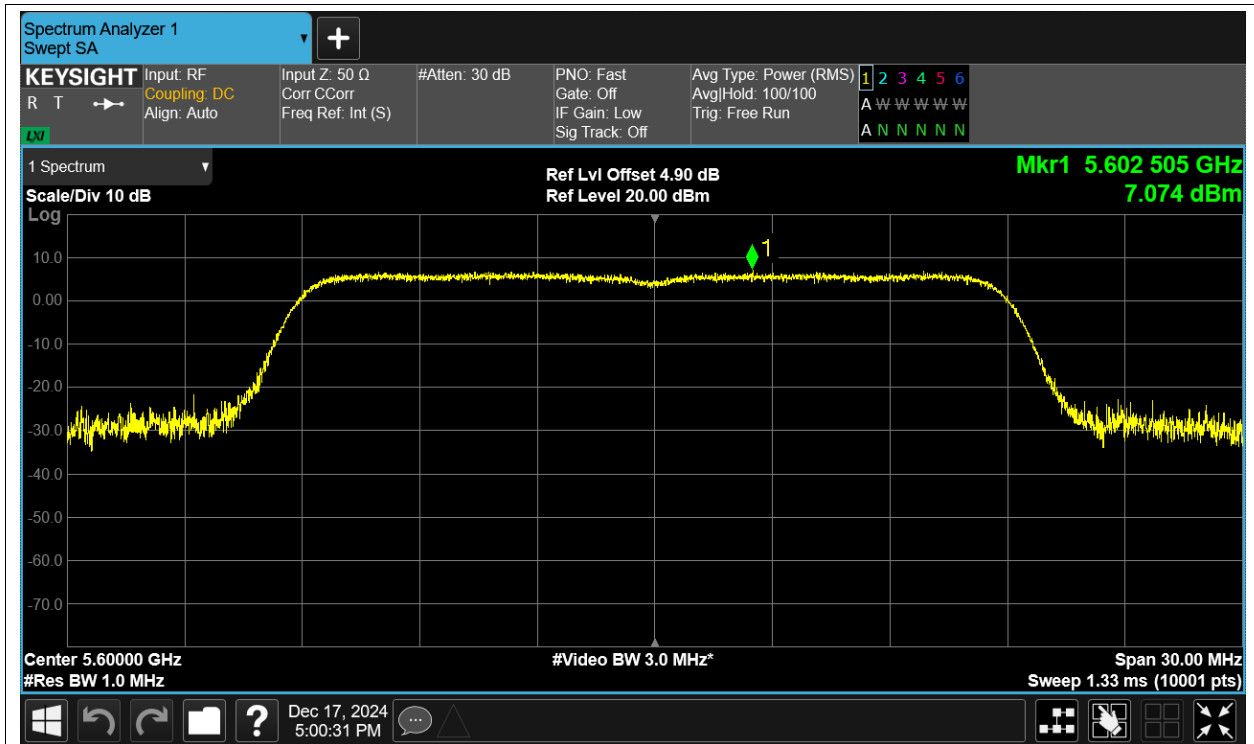
PSD NVNT a 5700MHz Ant13



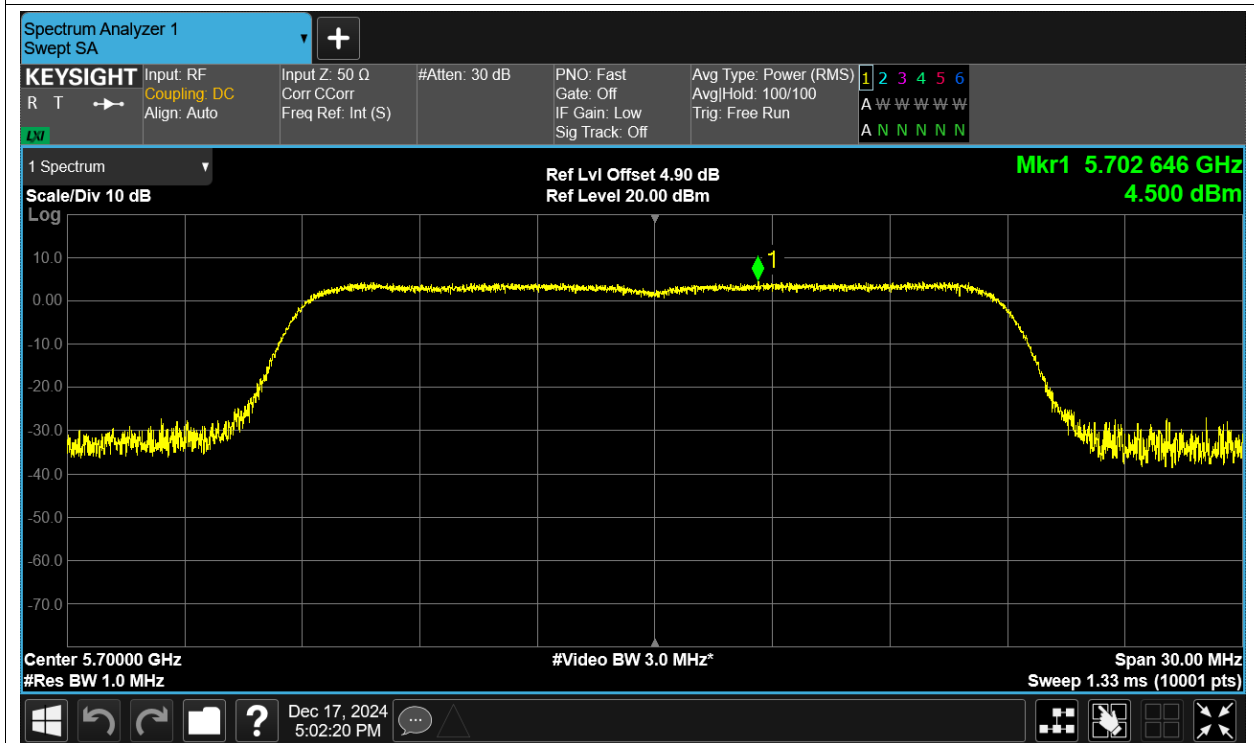
PSD NVNT ac20 5500MHz Ant13



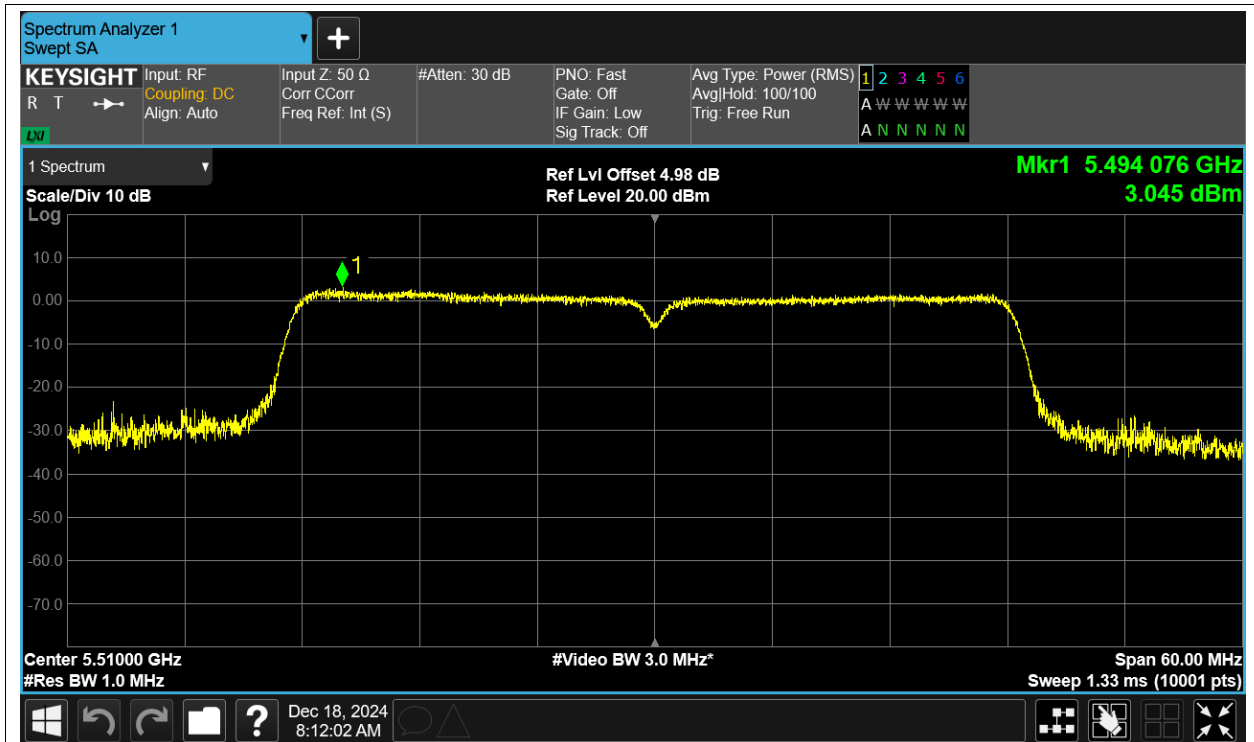
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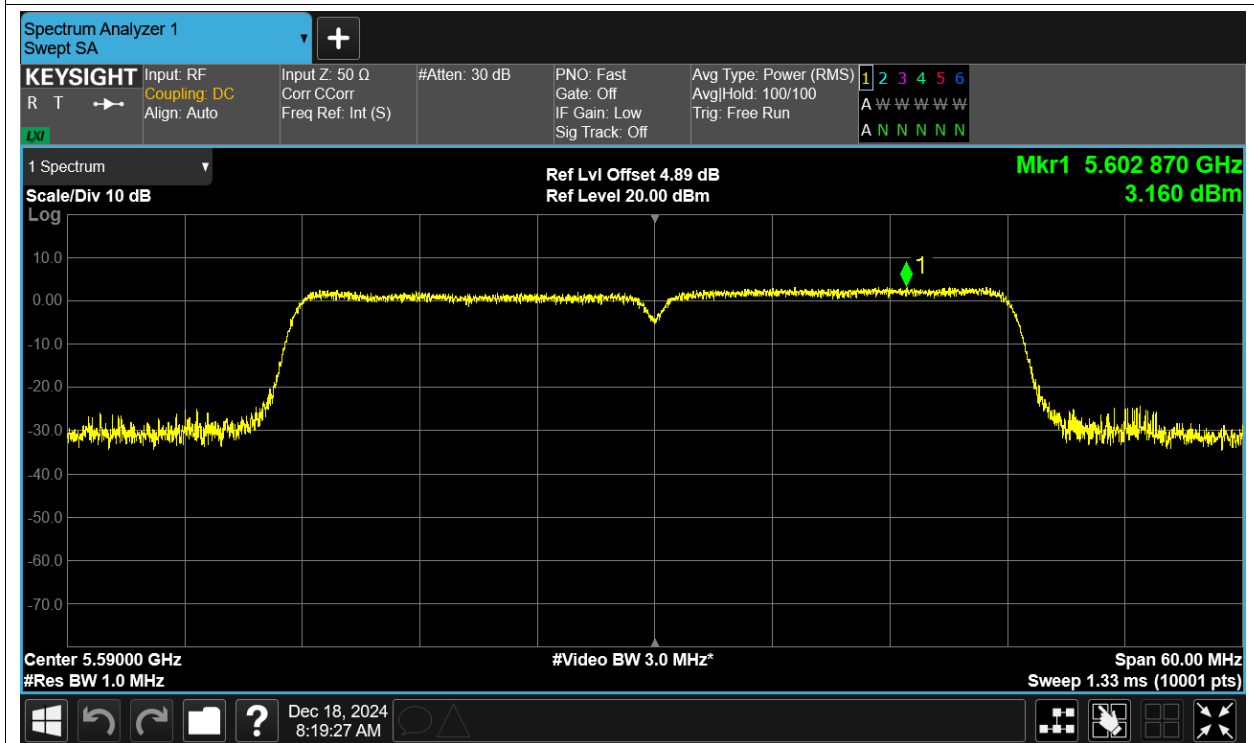
PSD NVNT ac20 5700MHz Ant13



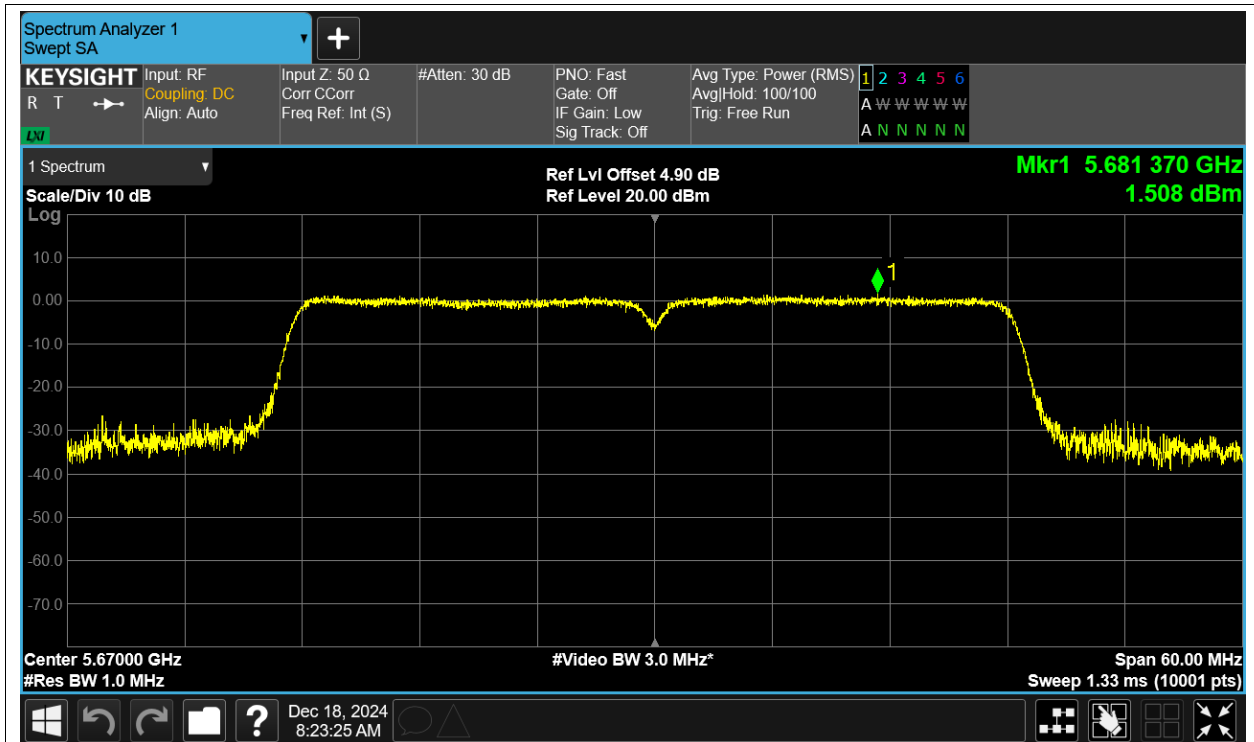
PSD NVNT ac40 5510MHz Ant13



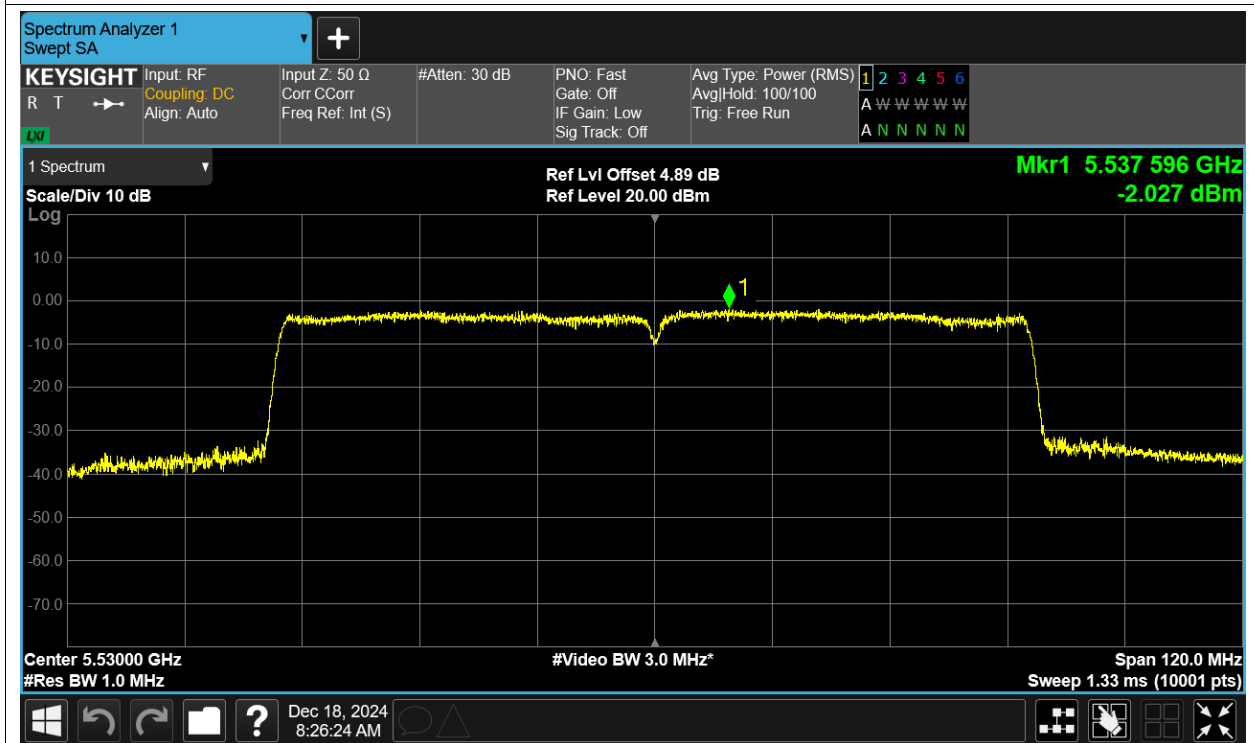
PSD NVNT ac40 5590MHz Ant13



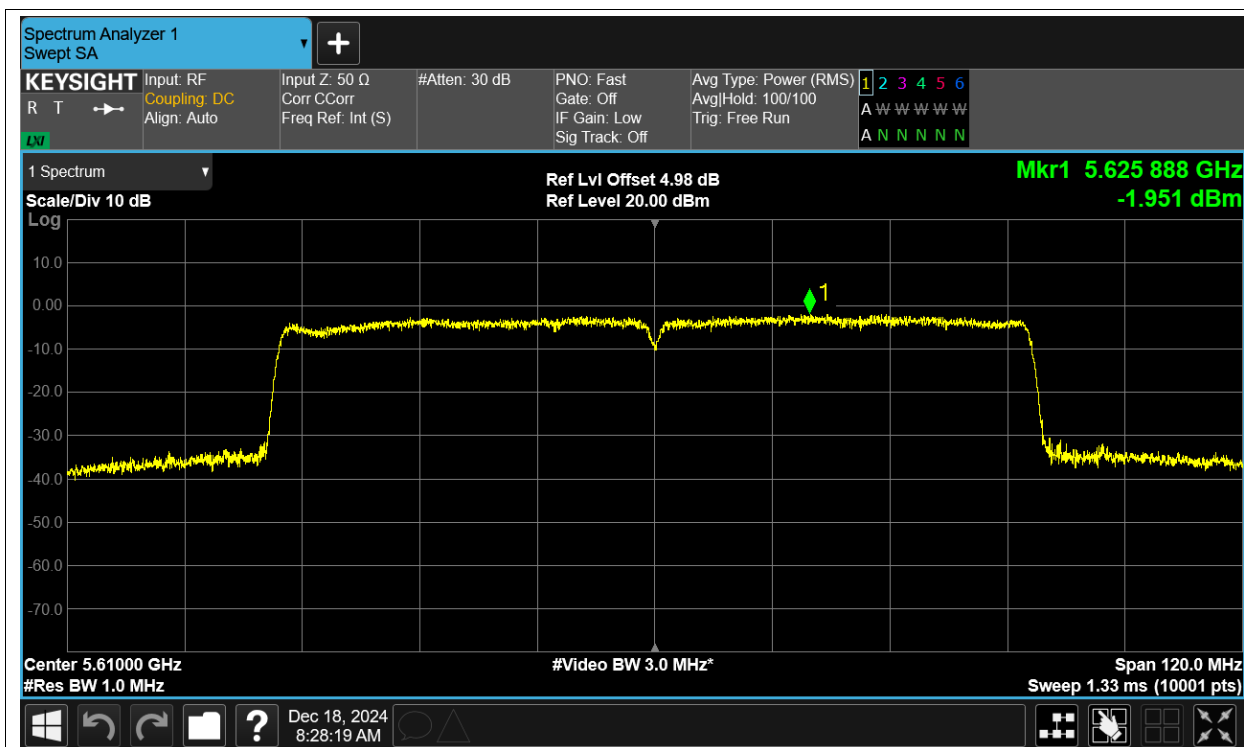
PSD NVNT ac40 5670MHz Ant13



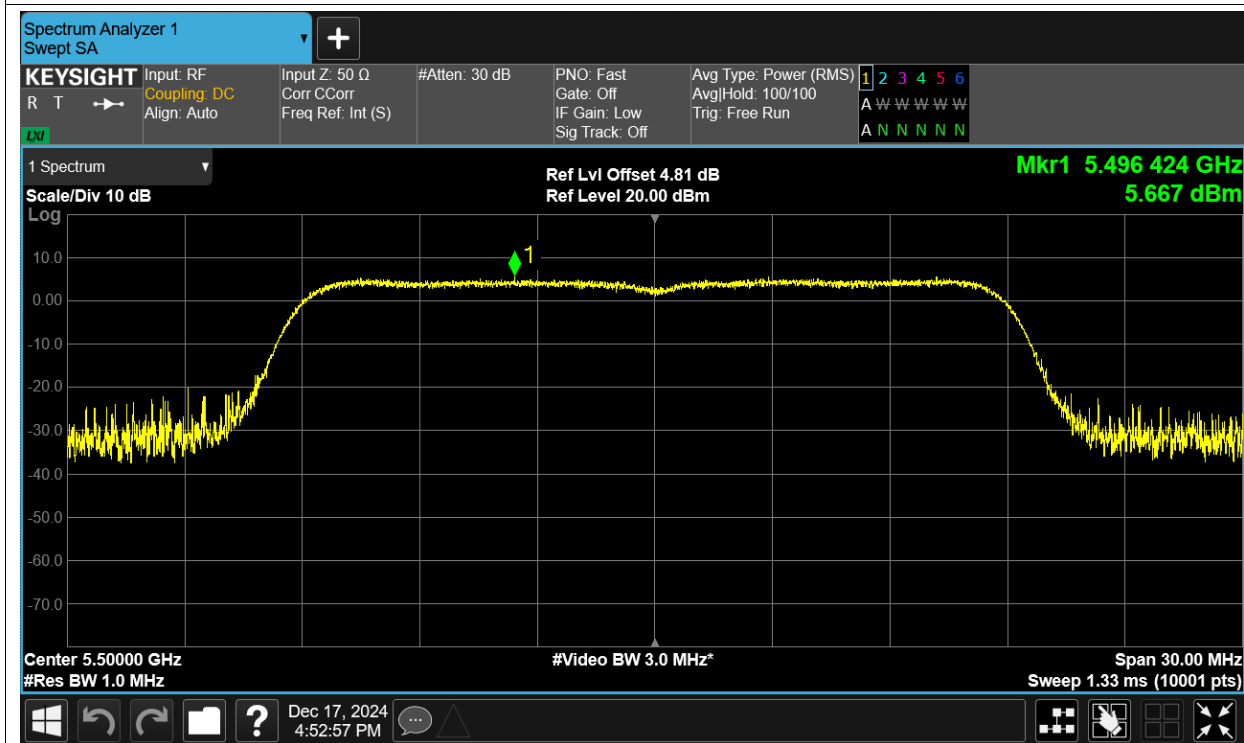
PSD NVNT ac80 5530MHz Ant13



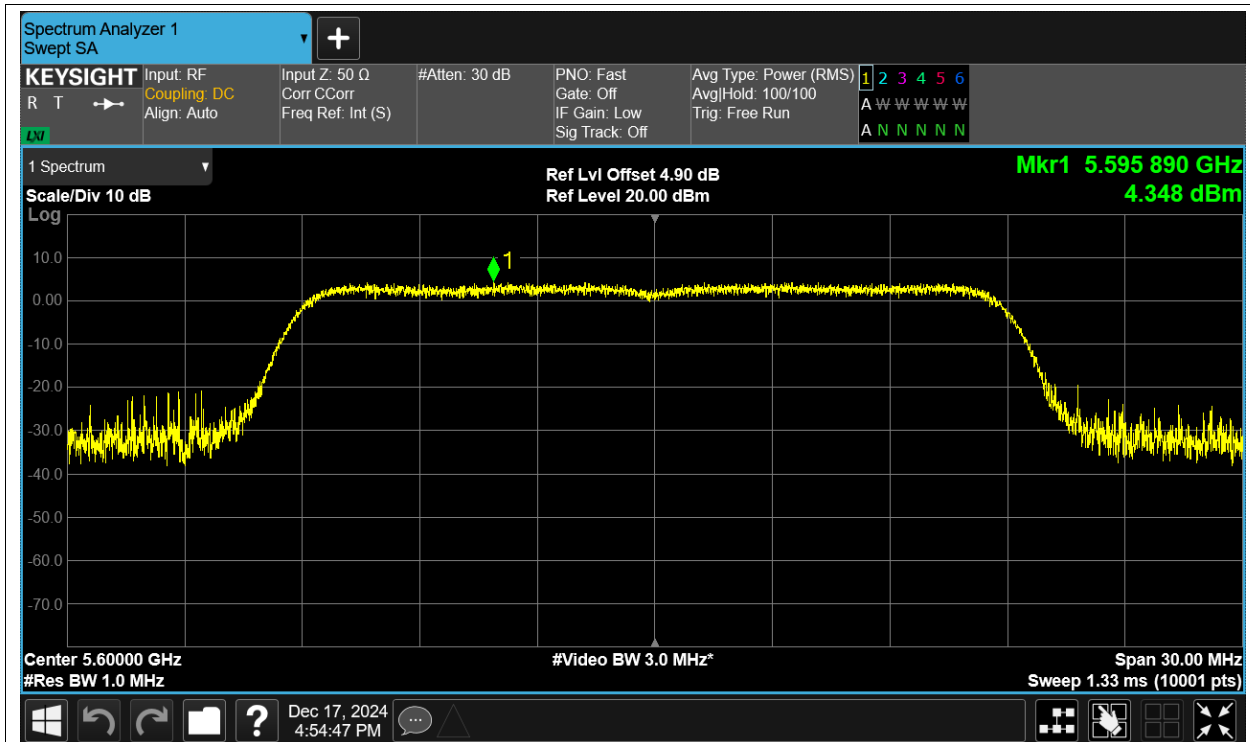
PSD NVNT ac80 5610MHz Ant13



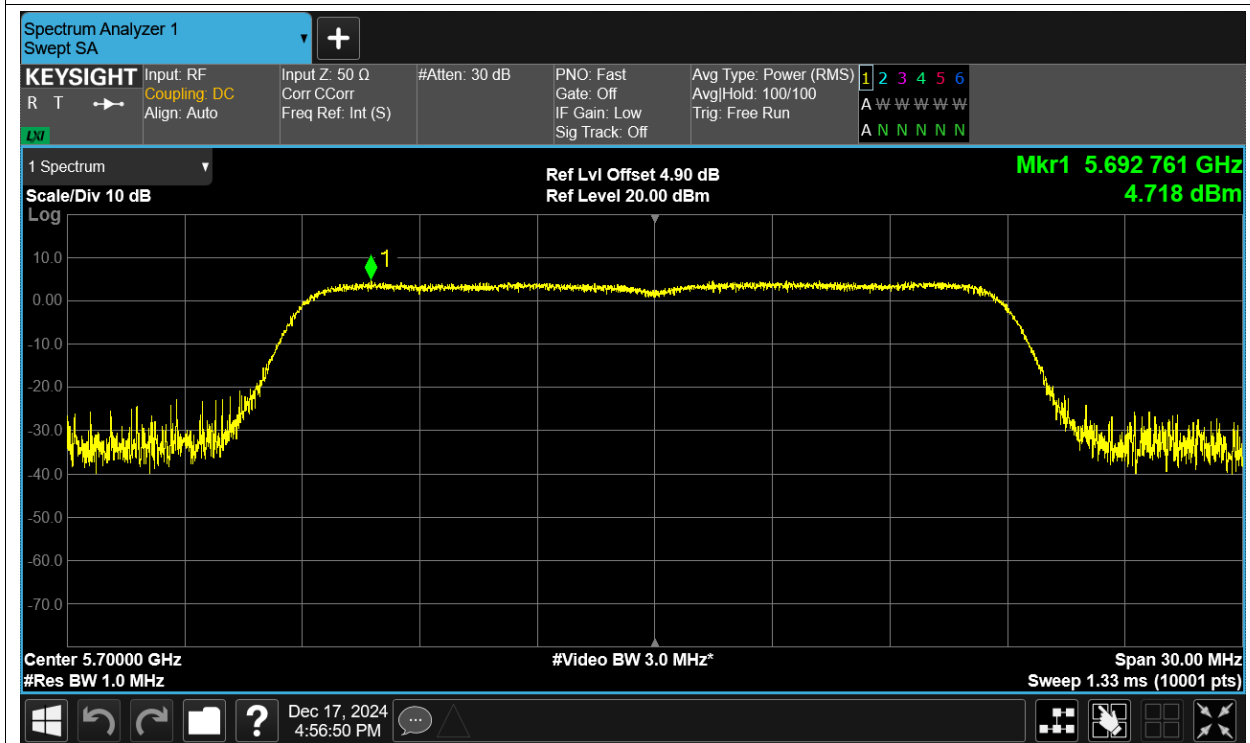
PSD NVNT n20 5500MHz Ant13



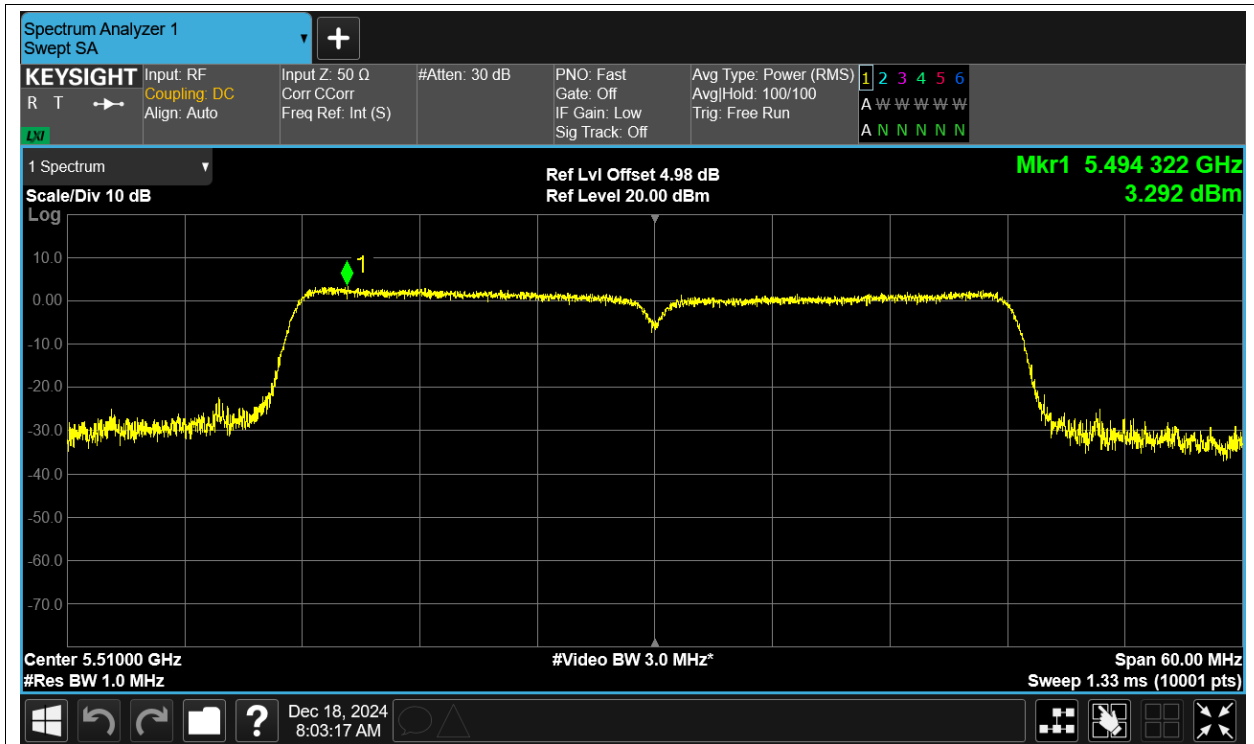
PSD NVNT n20 5600MHz Ant13



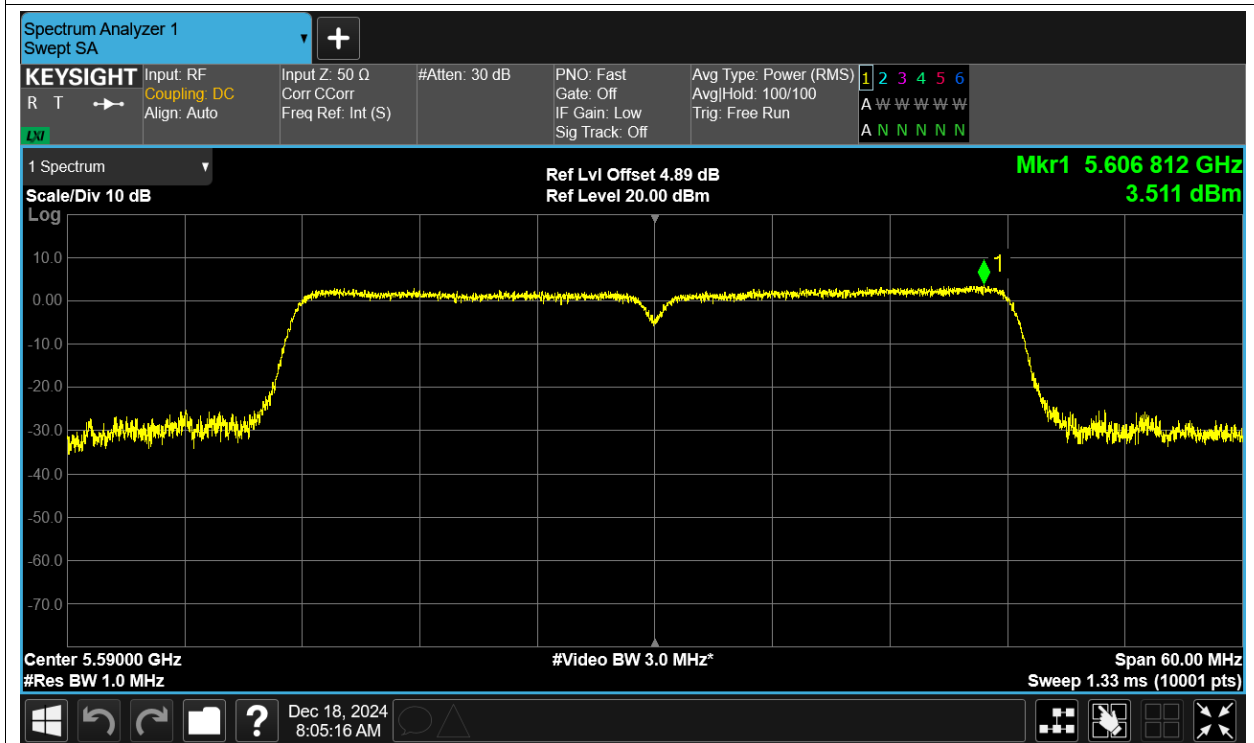
PSD NVNT n20 5700MHz Ant13



PSD NVNT n40 5510MHz Ant13



PSD NVNT n40 5590MHz Ant13



PSD NVNT n40 5670MHz Ant13

