

Test Data

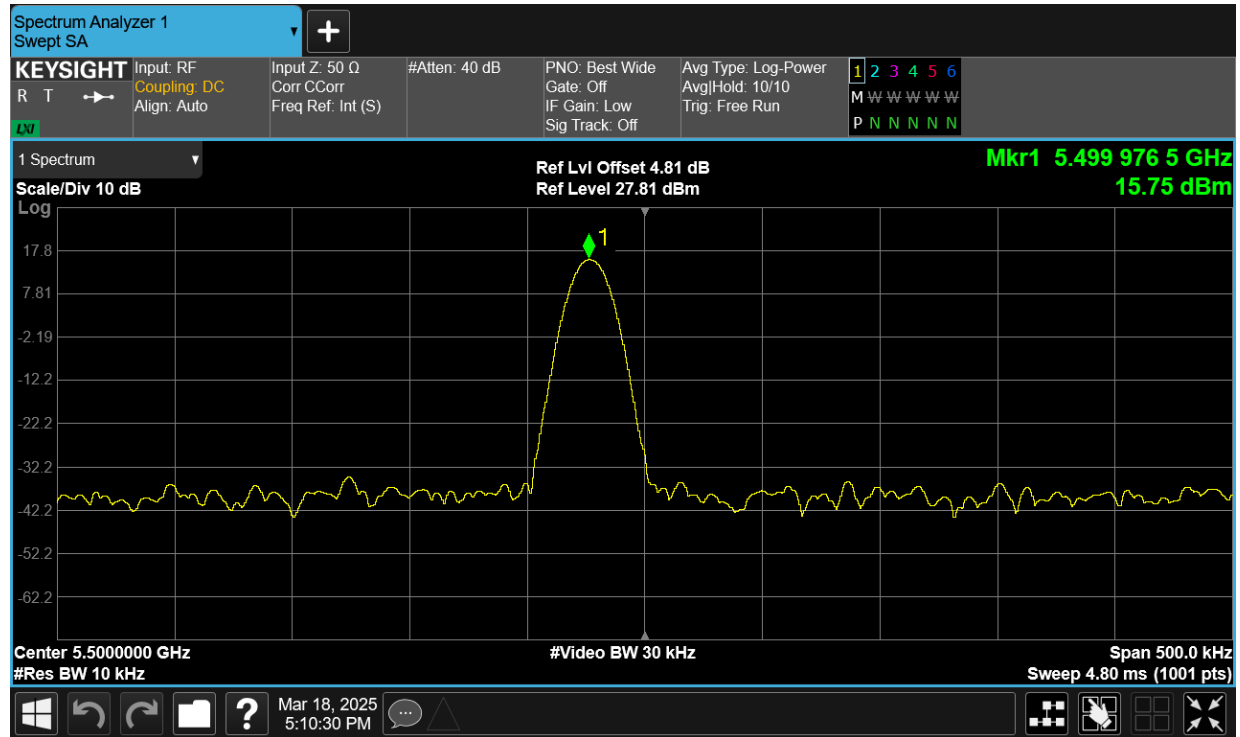
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant12	5499.9765	-4.27	Within authorized band	Pass
LVNT	a	5500	Ant12	5499.977	-4.18		Pass
NVHT	a	5500	Ant12	5499.9775	-4.09		Pass
NVLT	a	5500	Ant12	5499.978	-4		Pass
NVNT	a	5500	Ant12	5499.979	-3.82		Pass
HVNT	ac80	5530	Ant12	5529.975	-4.52		Pass
LVNT	ac80	5530	Ant12	5529.9755	-4.43		Pass
NVHT	ac80	5530	Ant12	5529.976	-4.34		Pass
NVLT	ac80	5530	Ant12	5529.9765	-4.25		Pass
NVNT	ac80	5530	Ant12	5529.9765	-4.25		Pass
HVNT	n40	5510	Ant12	5509.9765	-4.26		Pass
LVNT	n40	5510	Ant12	5509.9765	-4.26		Pass
NVHT	n40	5510	Ant12	5509.976	-4.36		Pass
NVLT	n40	5510	Ant12	5509.976	-4.36		Pass
NVNT	n40	5510	Ant12	5509.977	-4.17		Pass

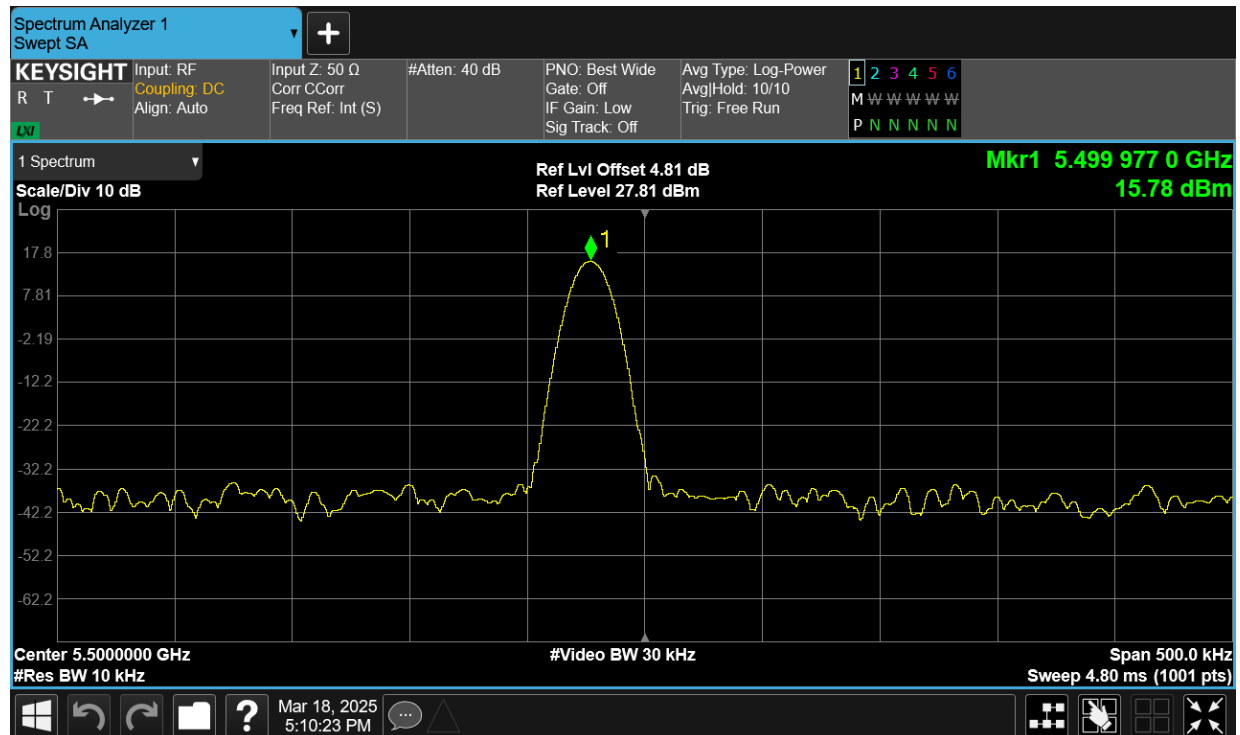
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

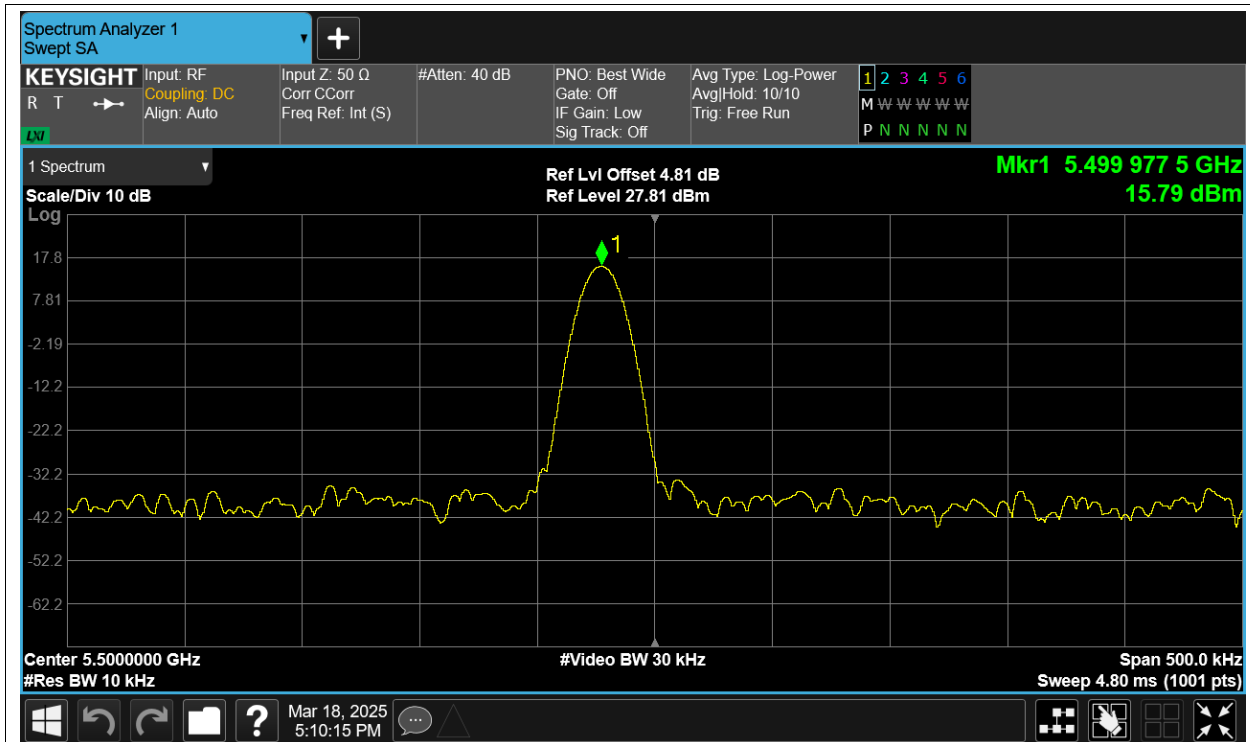
Freq. Stability HVNT a 5500MHz Ant12



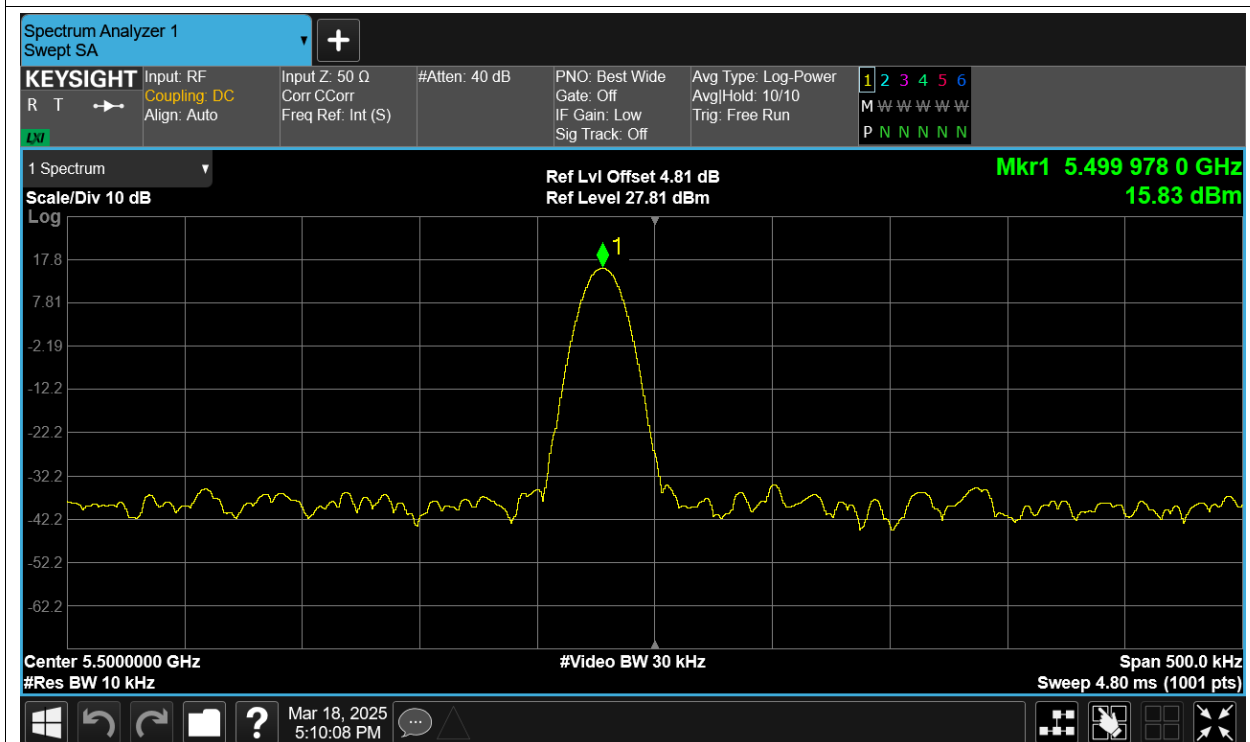
Freq. Stability LVNT a 5500MHz Ant12



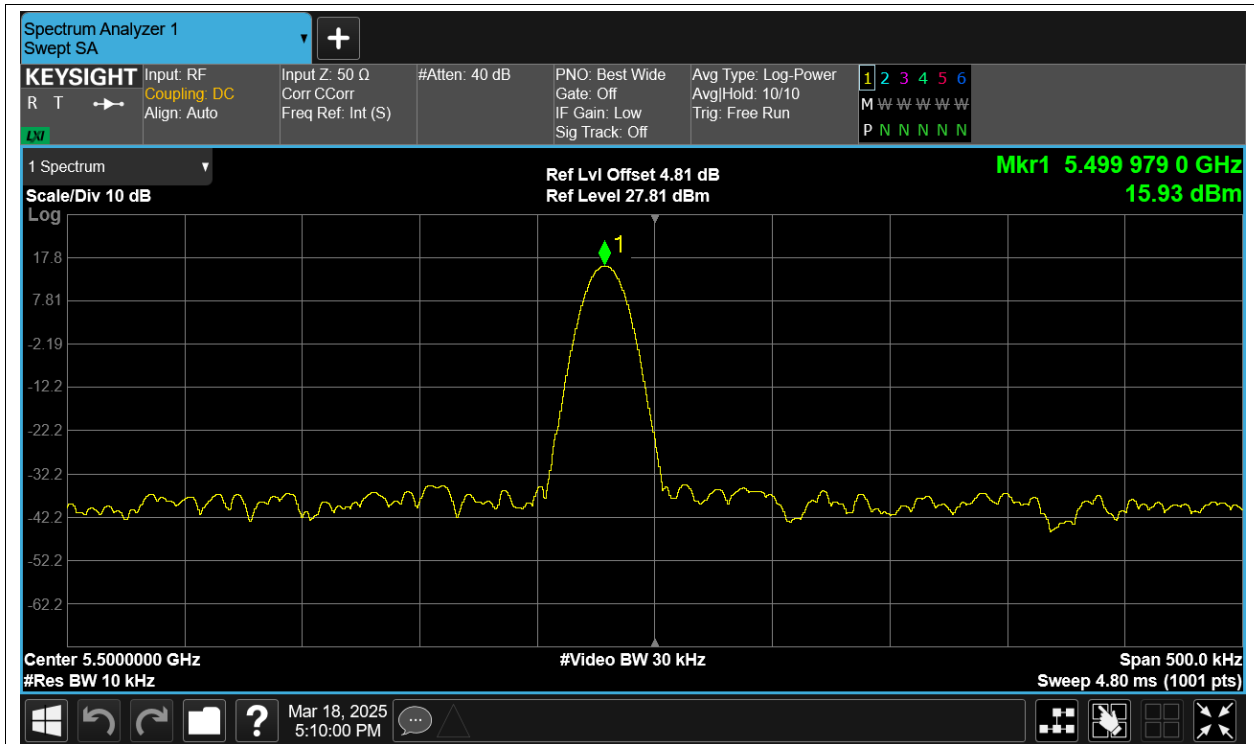
Freq. Stability NVHT a 5500MHz Ant12



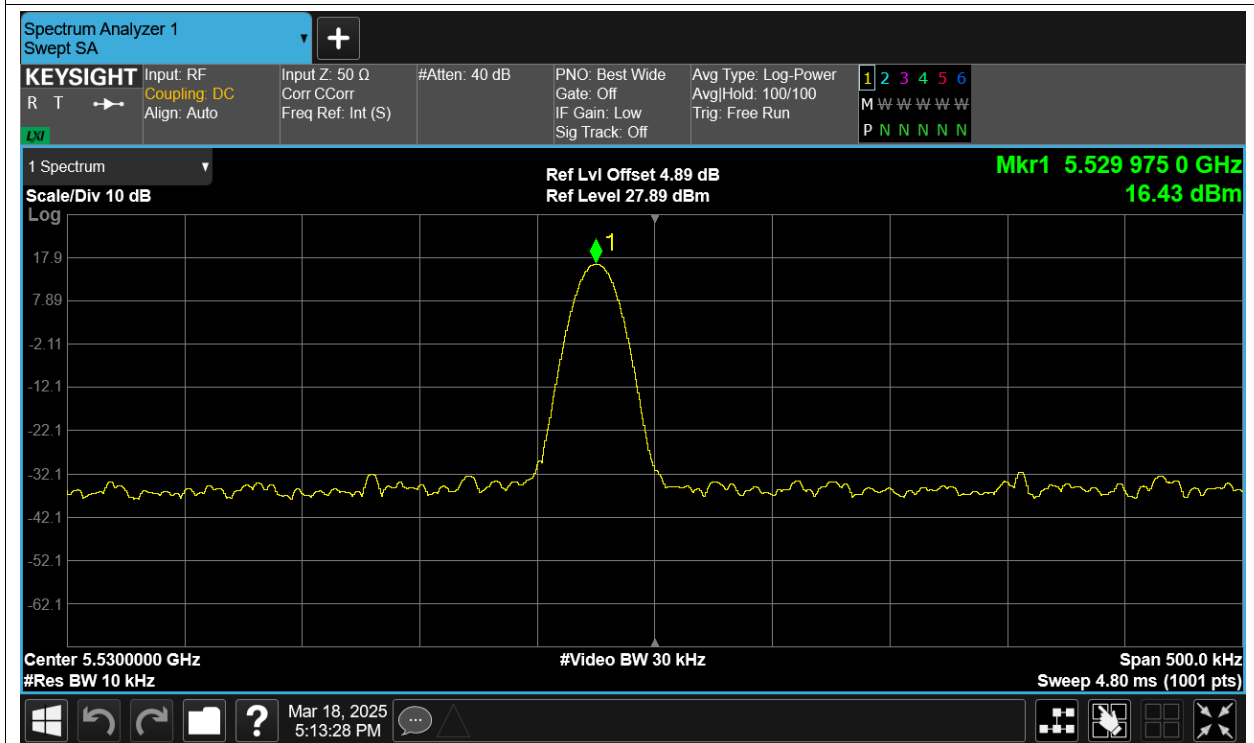
Freq. Stability NVLT a 5500MHz Ant12



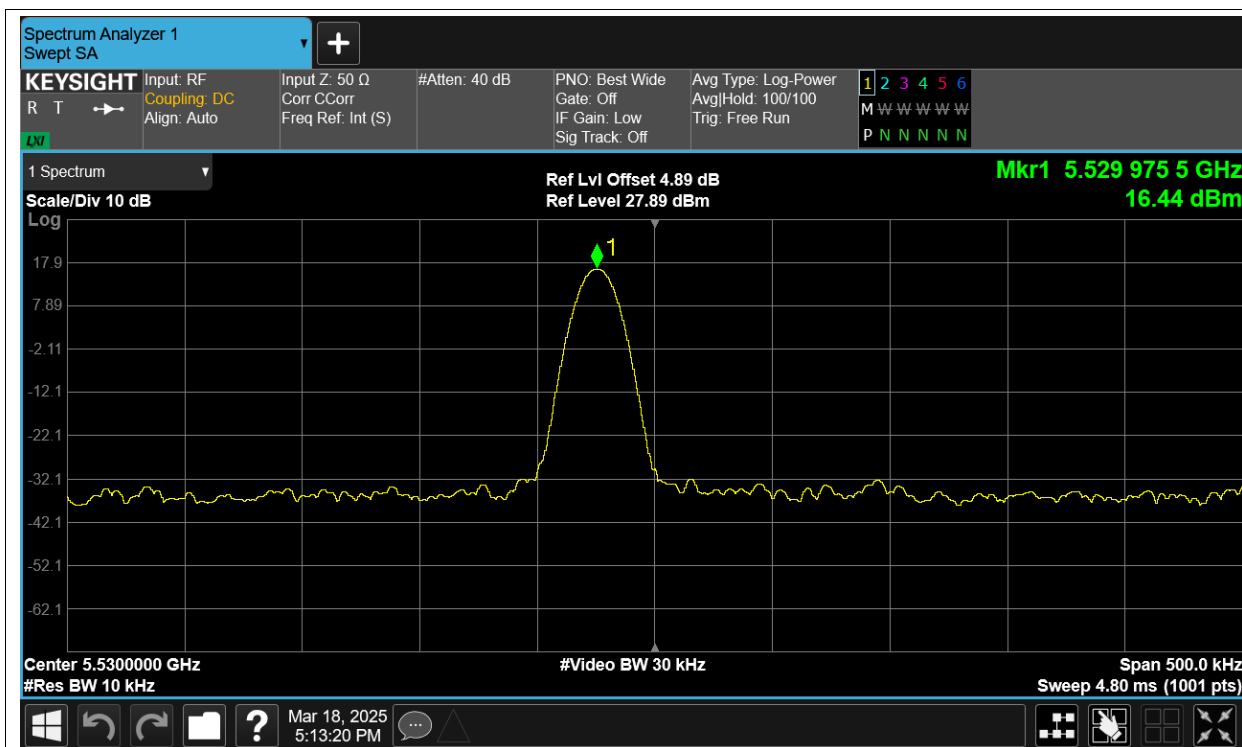
Freq. Stability NVNT a 5500MHz Ant12



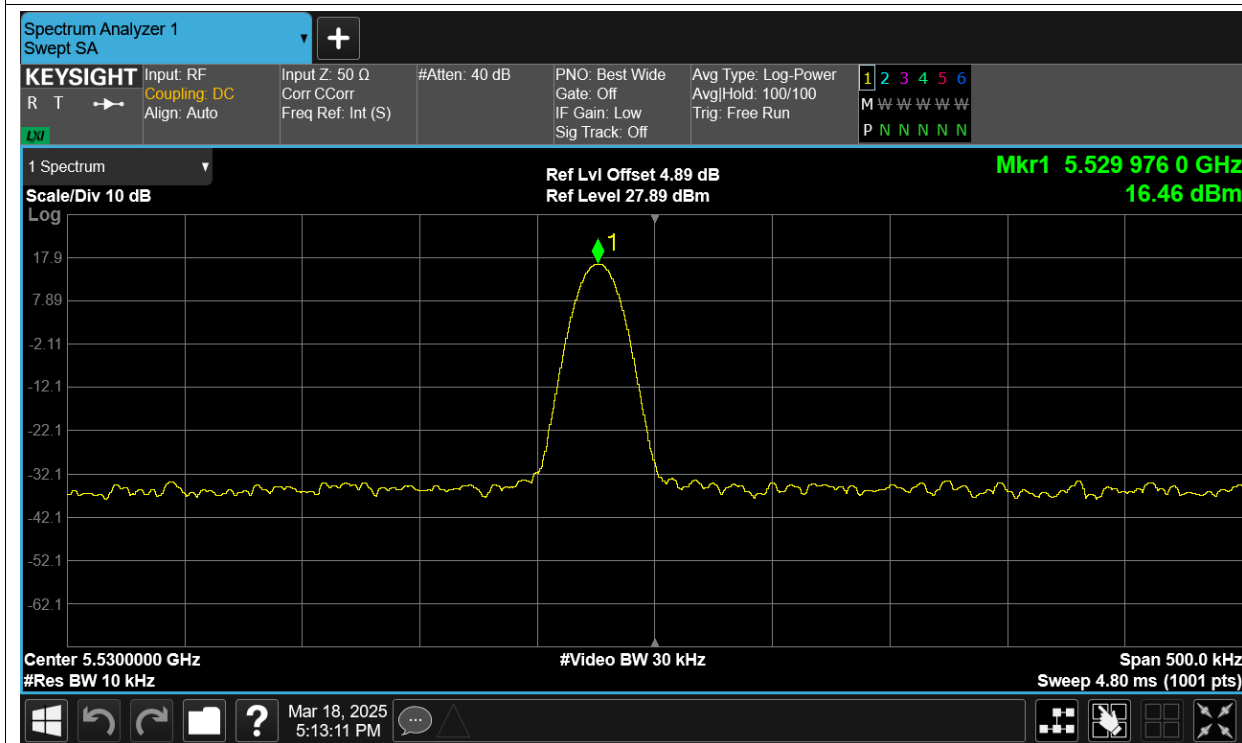
Freq. Stability HVNT ac80 5530MHz Ant12



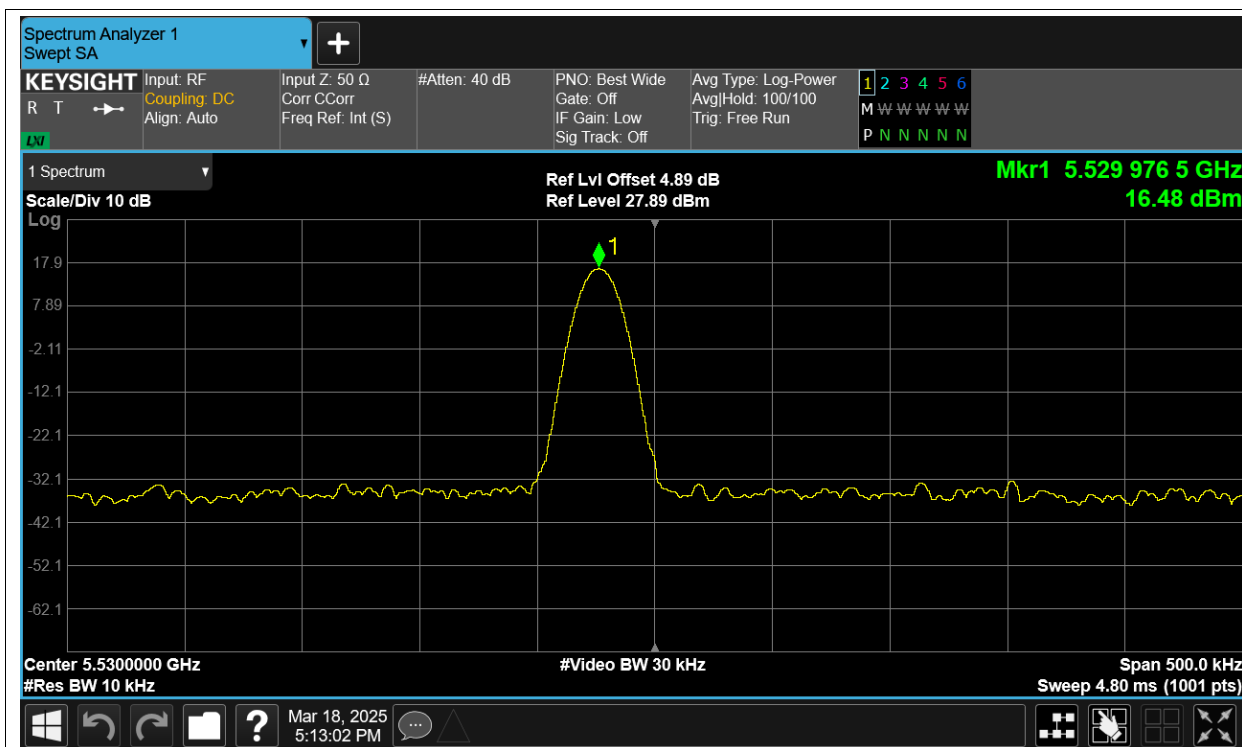
Freq. Stability LVNT ac80 5530MHz Ant12



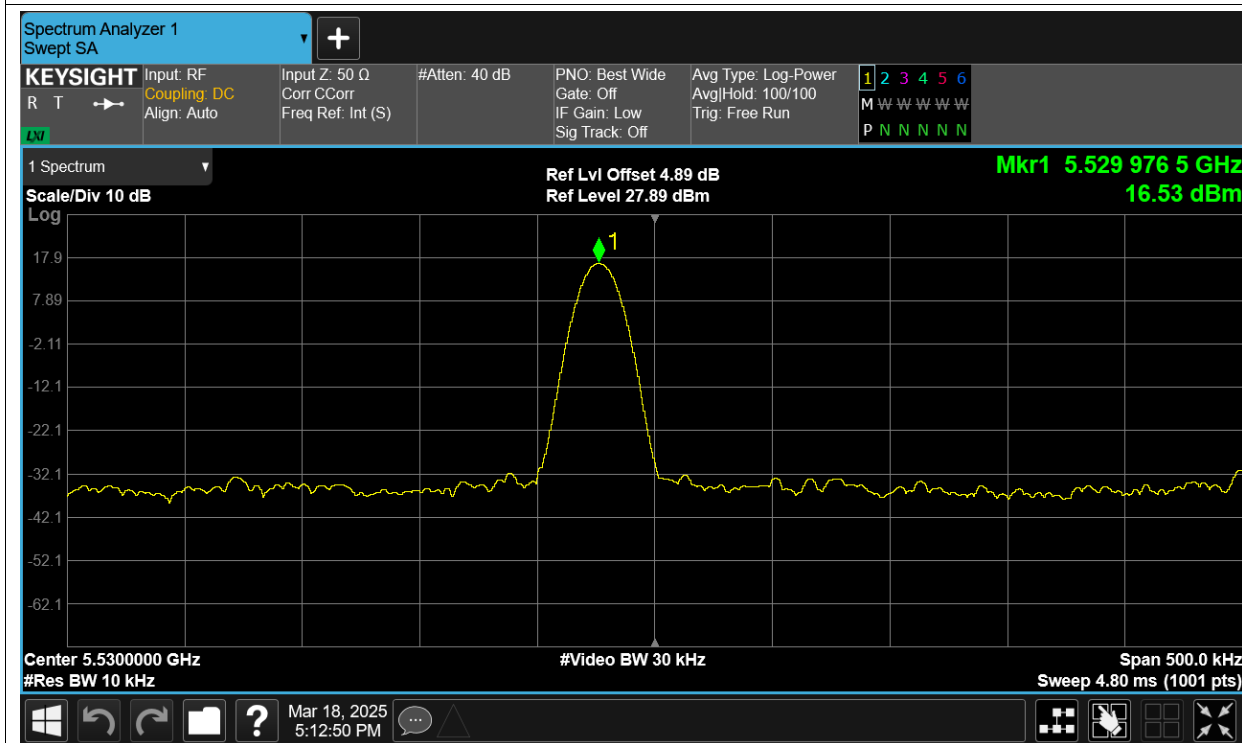
Freq. Stability NVHT ac80 5530MHz Ant12



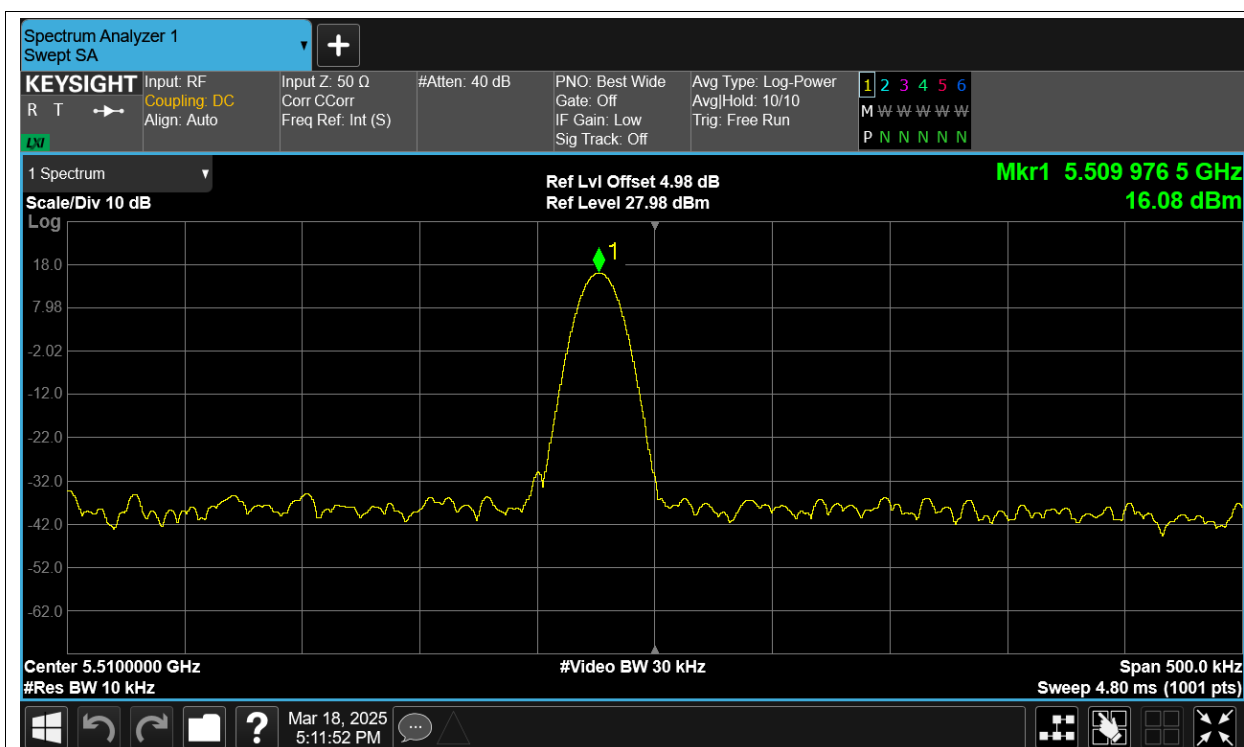
Freq. Stability NVLT ac80 5530MHz Ant12



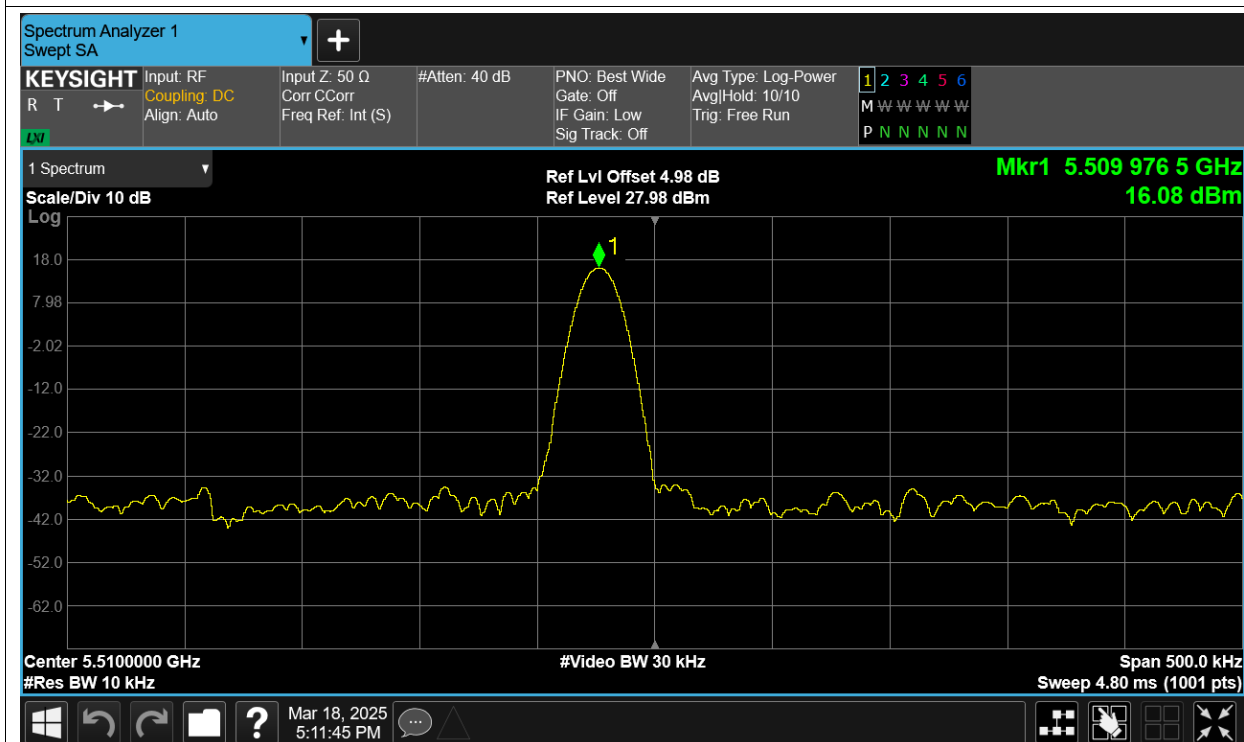
Freq. Stability NVNT ac80 5530MHz Ant12



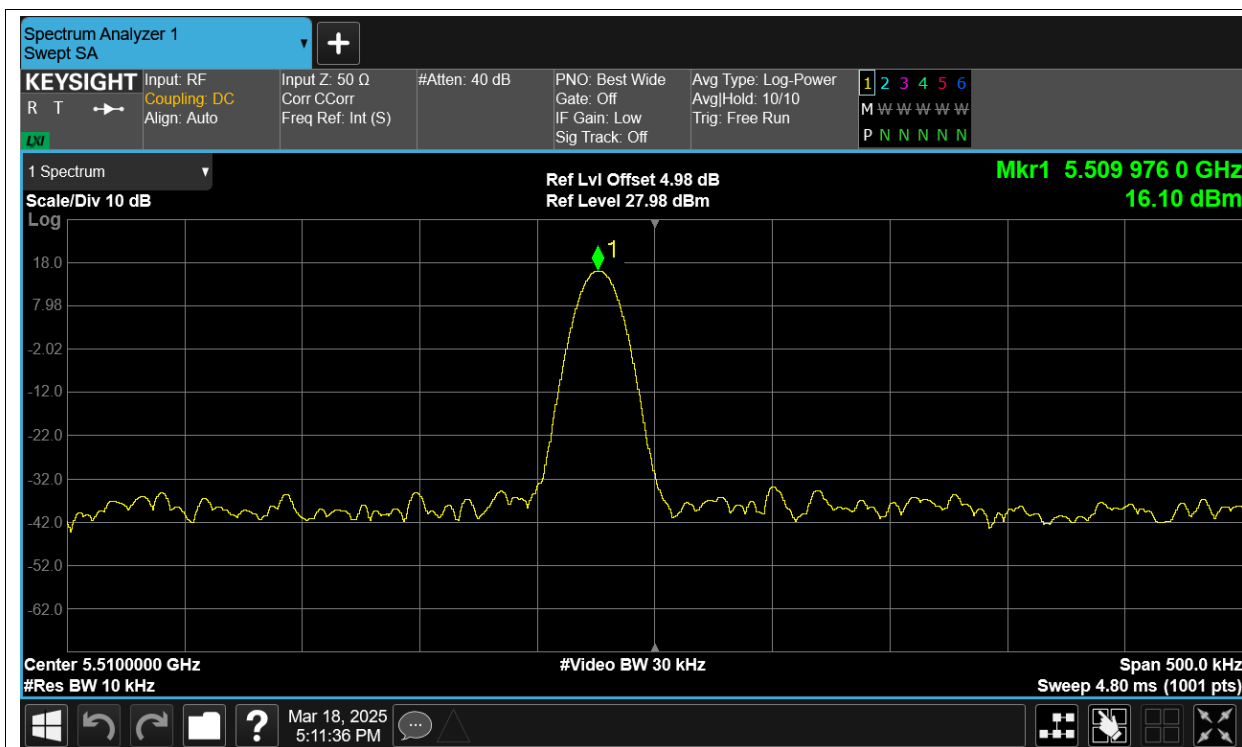
Freq. Stability HVNT n40 5510MHz Ant12



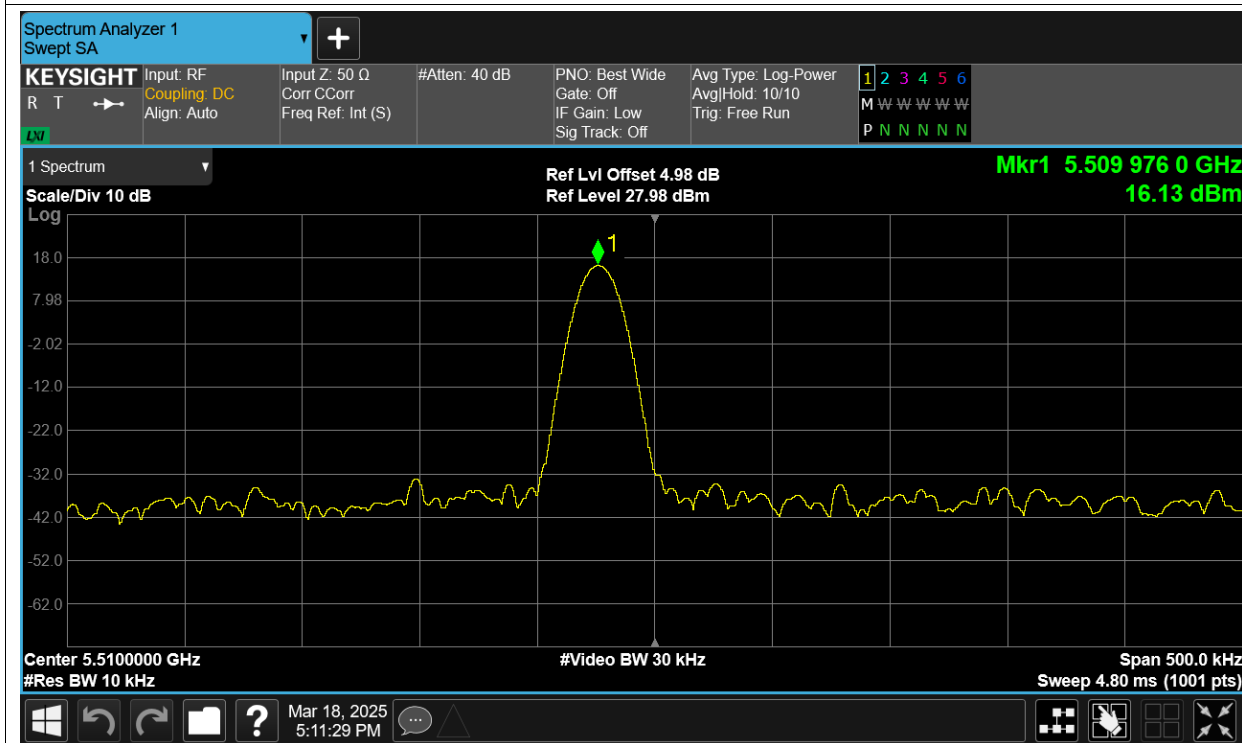
Freq. Stability LVNT n40 5510MHz Ant12



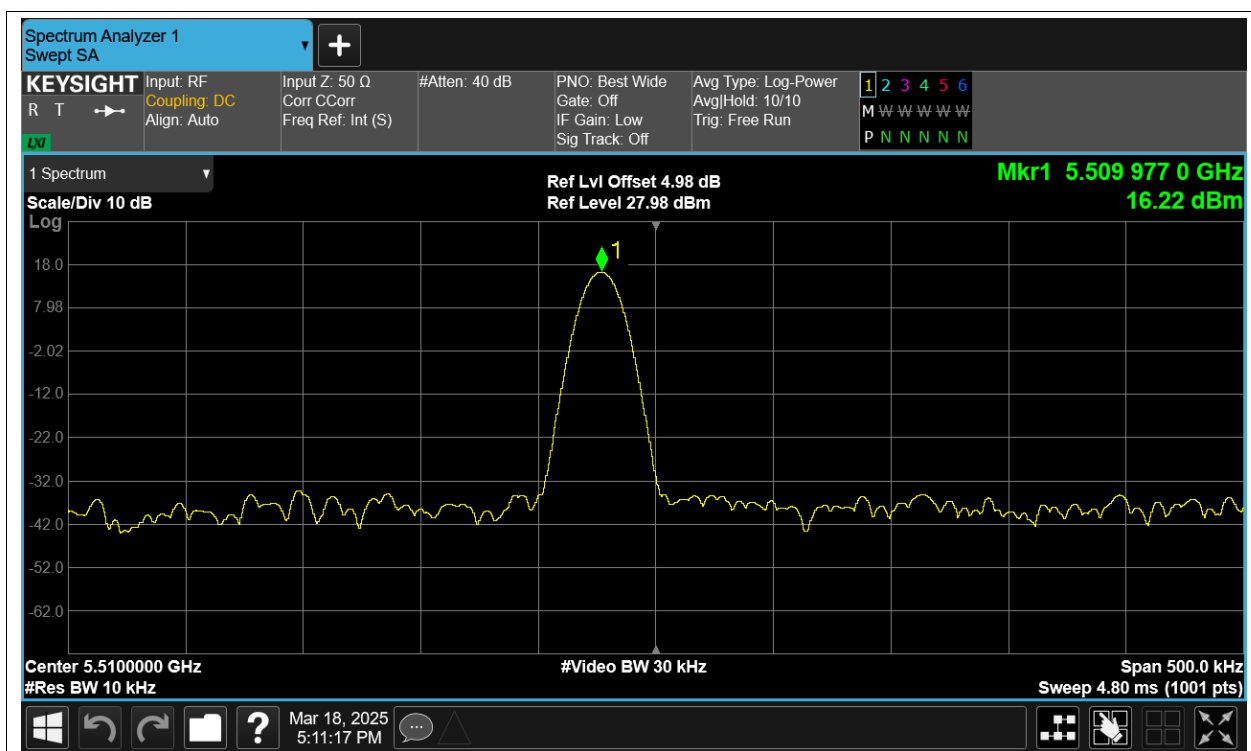
Freq. Stability NVHT n40 5510MHz Ant12



Freq. Stability NVLT n40 5510MHz Ant12



Freq. Stability NVNT n40 5510MHz Ant12

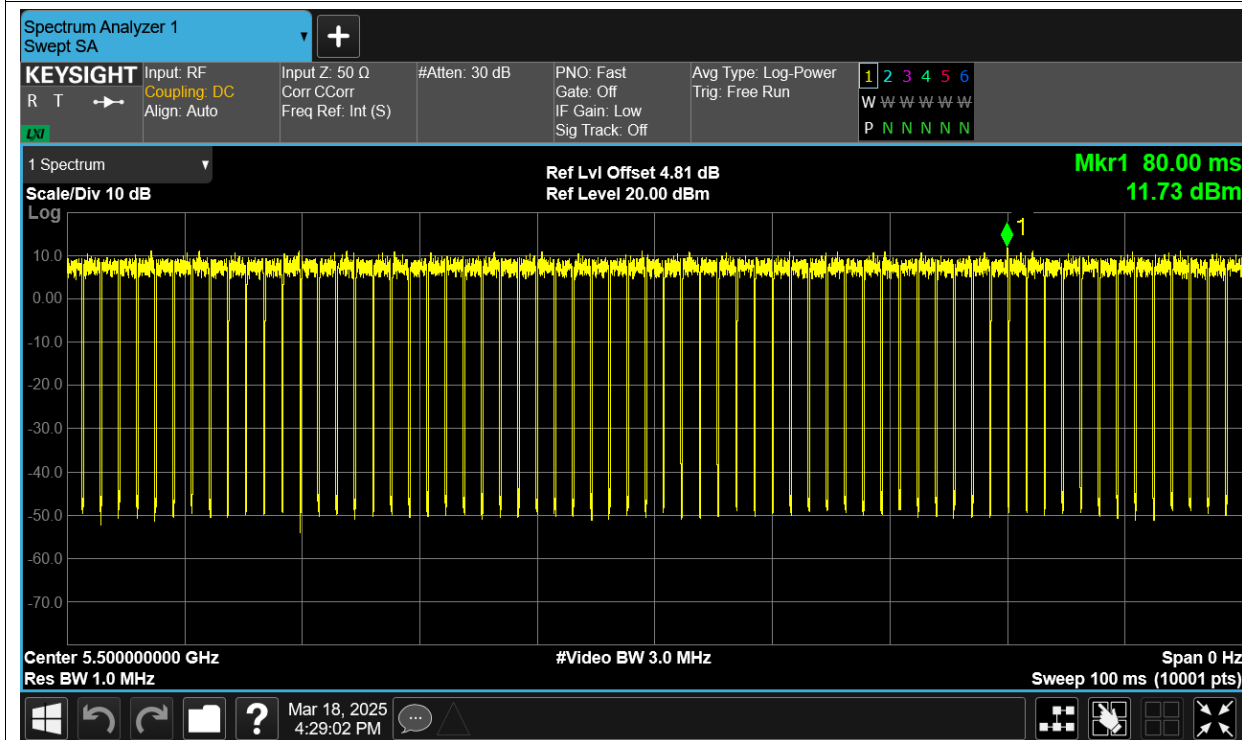


Duty Cycle

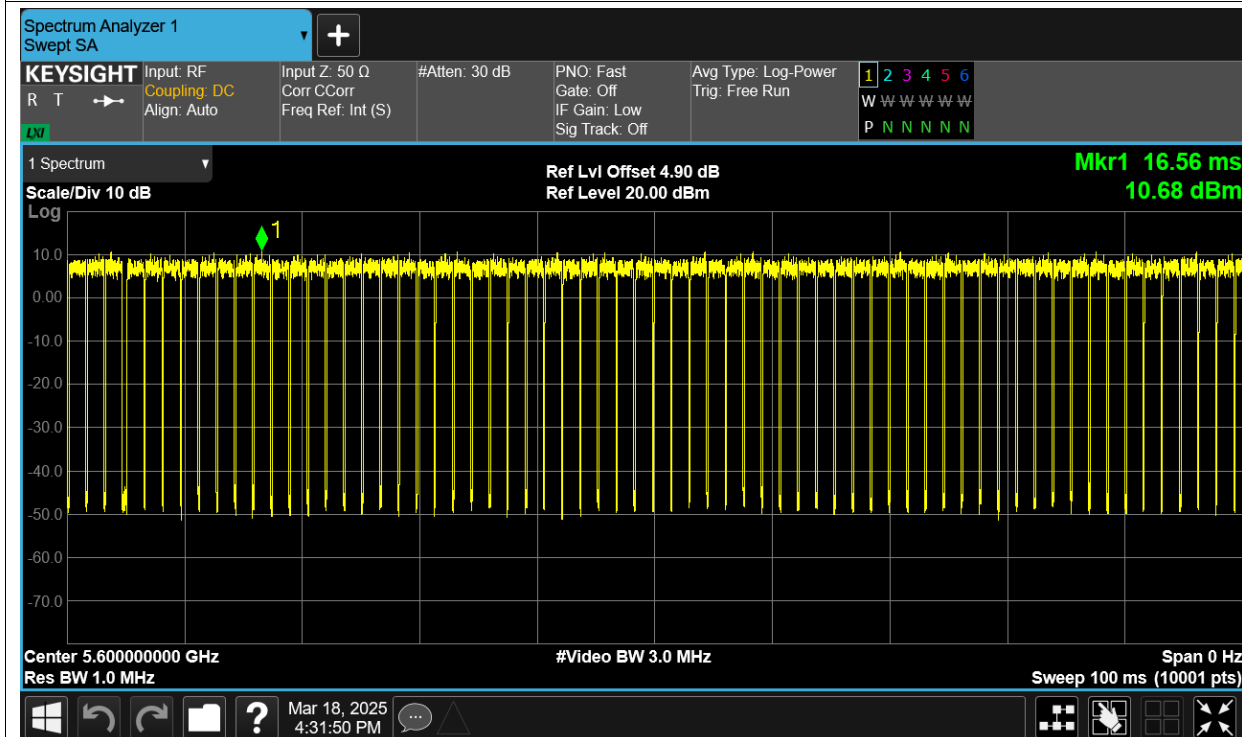
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant12	90.96	0.41
NVNT	a	5600	Ant12	90.36	0.44
NVNT	a	5700	Ant12	90.89	0.41
NVNT	ac20	5500	Ant12	89.4	0.49
NVNT	ac20	5600	Ant12	89.05	0.5
NVNT	ac20	5700	Ant12	89.27	0.49
NVNT	ac40	5510	Ant12	80.54	0.94
NVNT	ac40	5590	Ant12	80.69	0.93
NVNT	ac40	5670	Ant12	80.68	0.93
NVNT	ac80	5530	Ant12	68.54	1.64
NVNT	ac80	5610	Ant12	68.6	1.64
NVNT	n20	5500	Ant12	89.04	0.5
NVNT	n20	5600	Ant12	88.8	0.52
NVNT	n20	5700	Ant12	89.11	0.5
NVNT	n40	5510	Ant12	80.71	0.93
NVNT	n40	5590	Ant12	80.26	0.95
NVNT	n40	5670	Ant12	80.38	0.95

Test Graphs

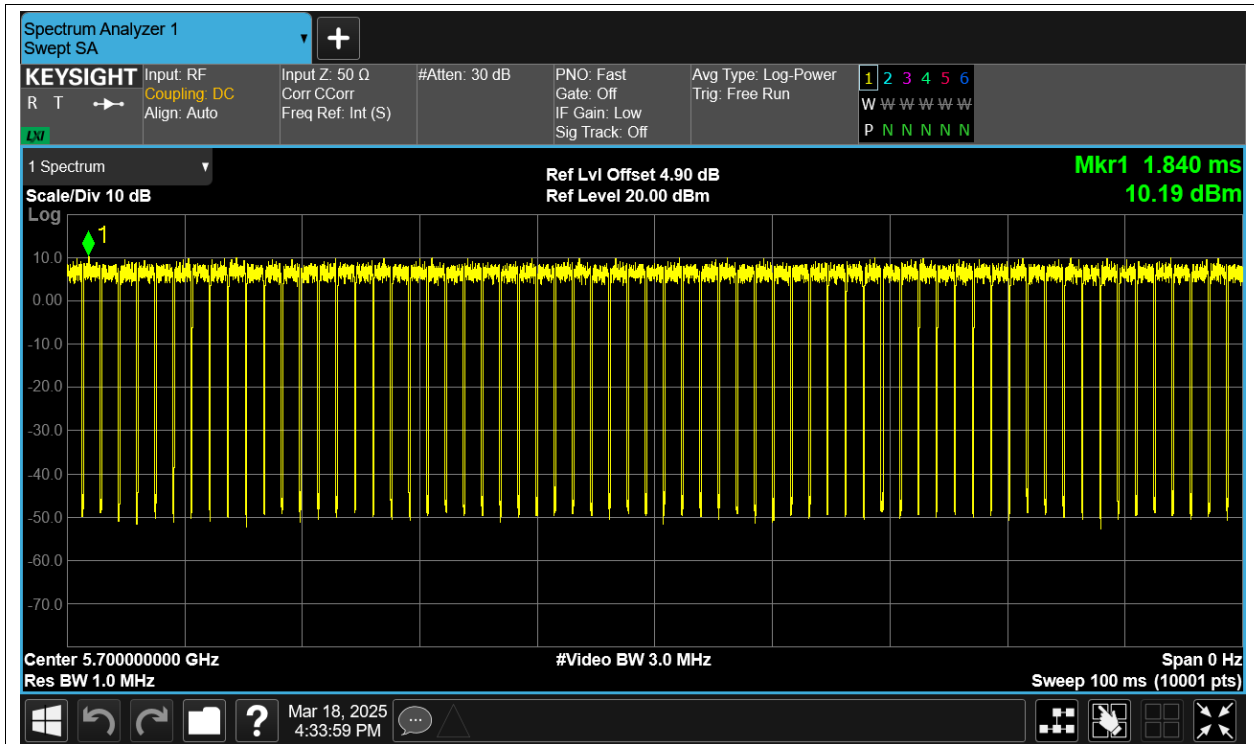
Duty Cycle NVNT a 5500MHz Ant12



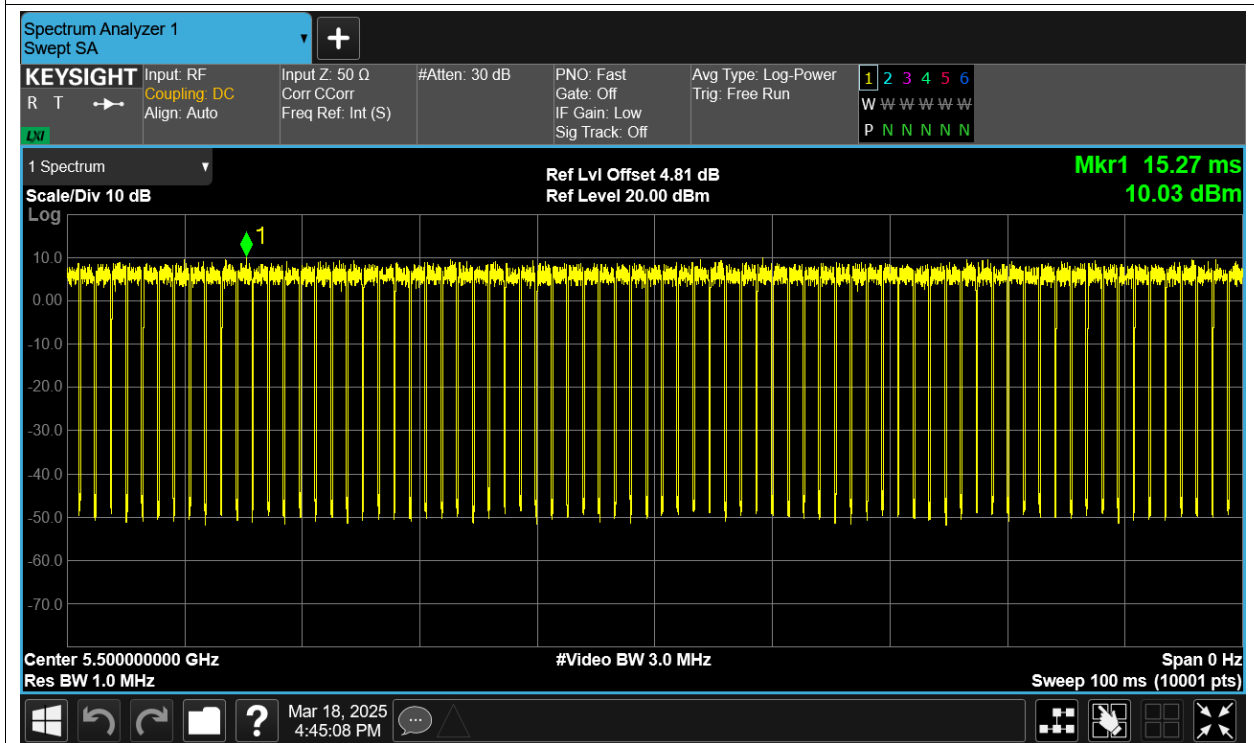
Duty Cycle NVNT a 5600MHz Ant12



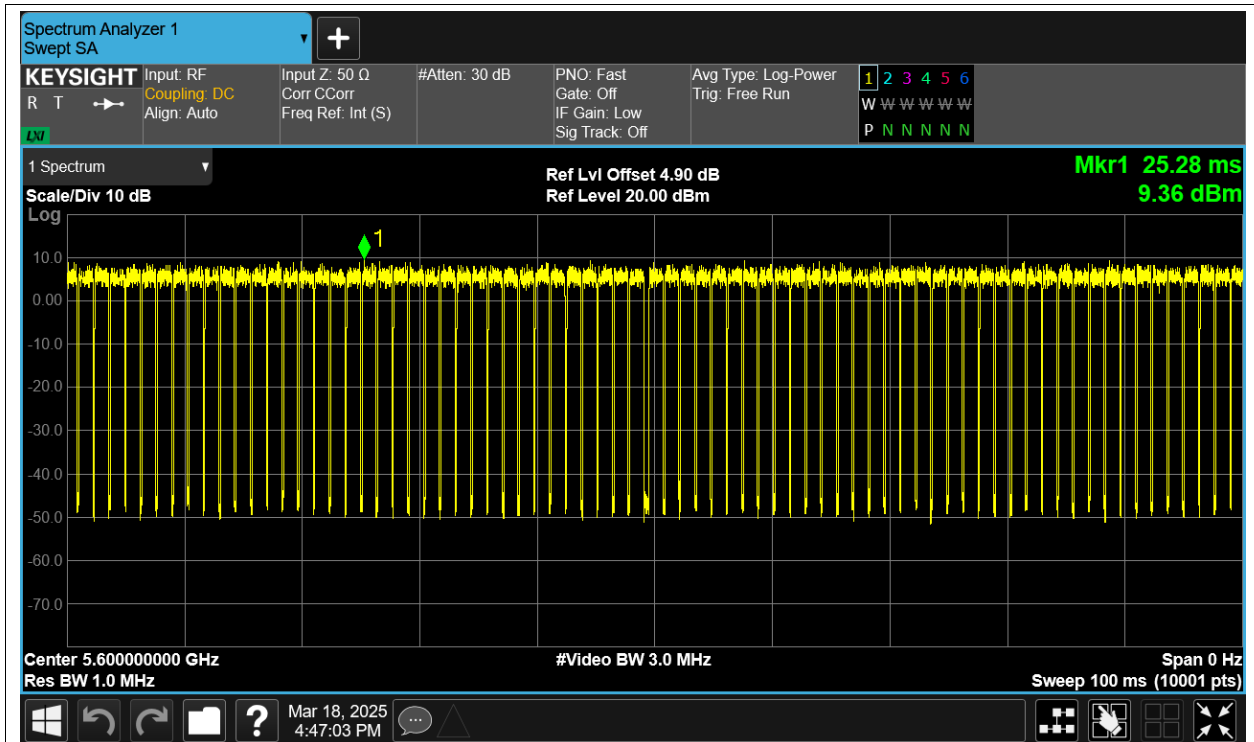
Duty Cycle NVNT a 5700MHz Ant12



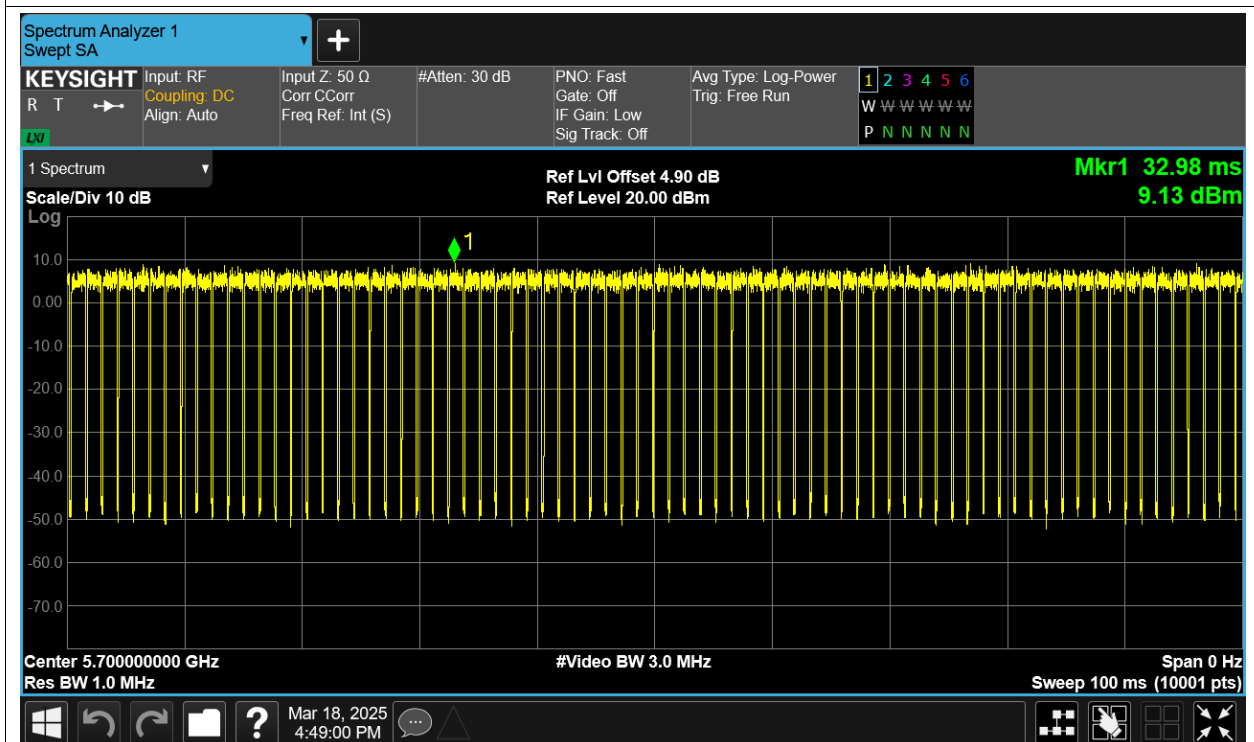
Duty Cycle NVNT ac20 5500MHz Ant12



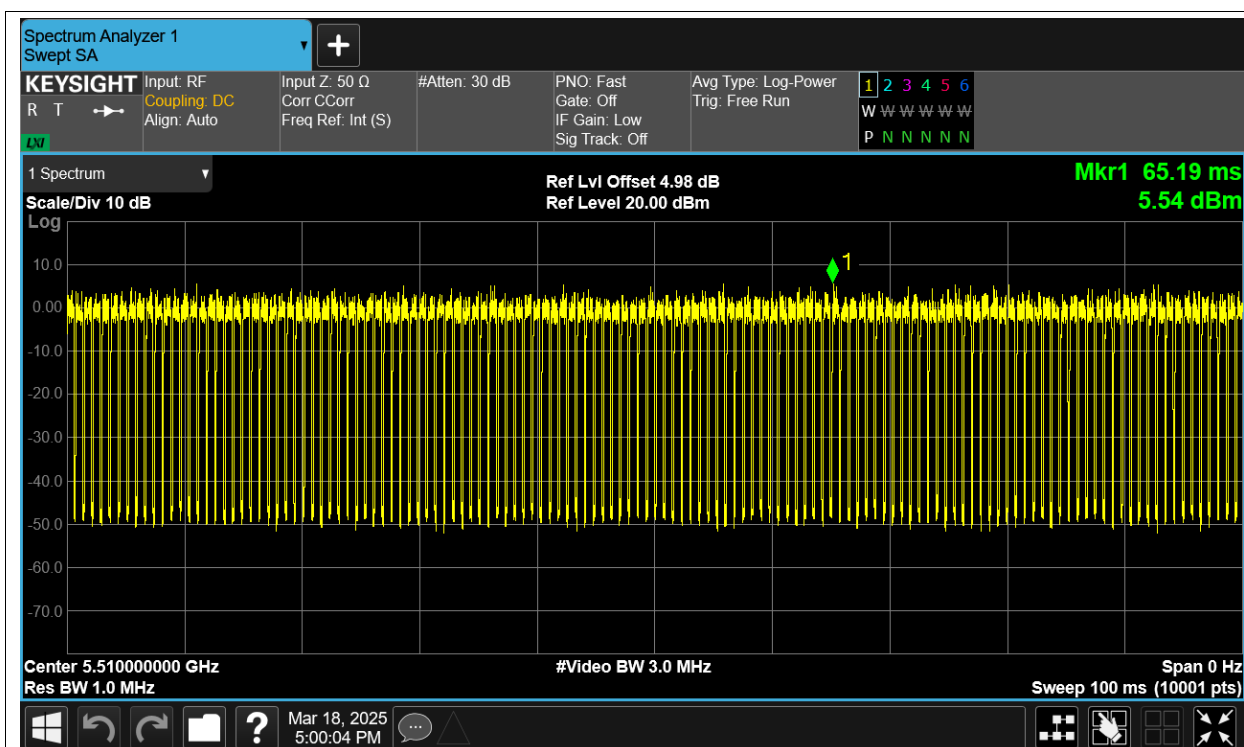
Duty Cycle NVNT ac20 5600MHz Ant12



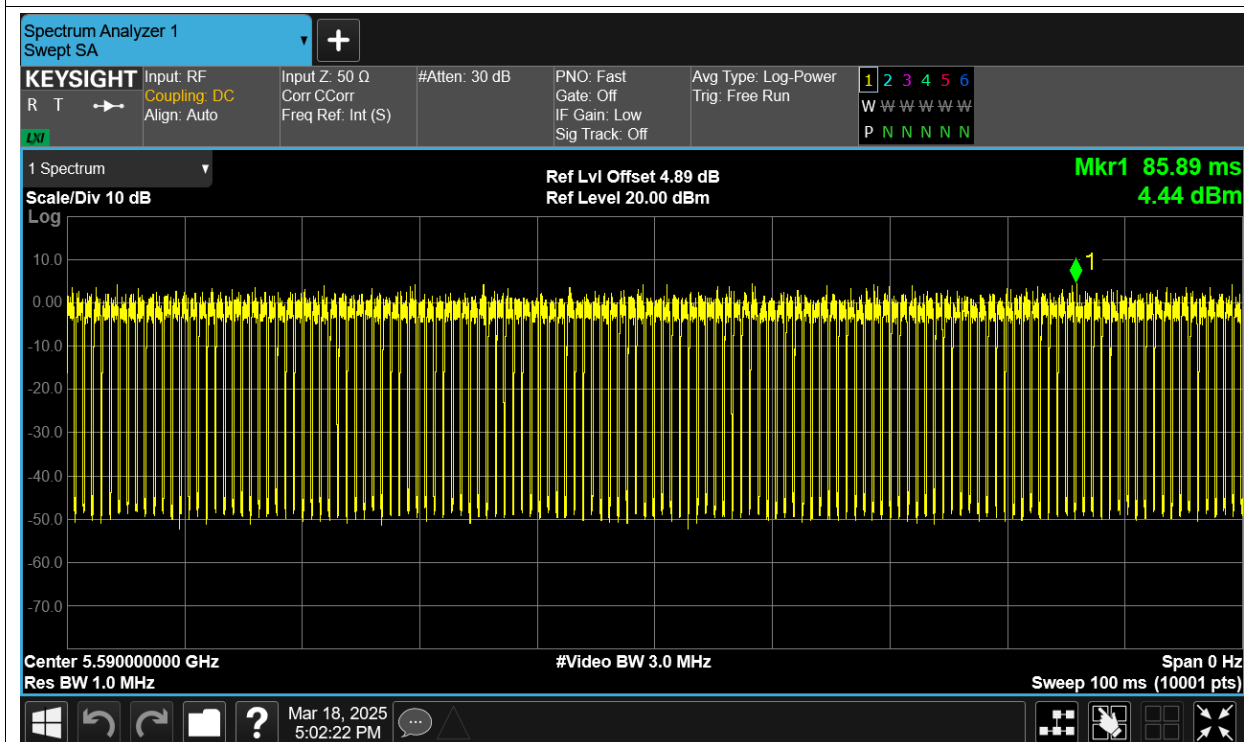
Duty Cycle NVNT ac20 5700MHz Ant12



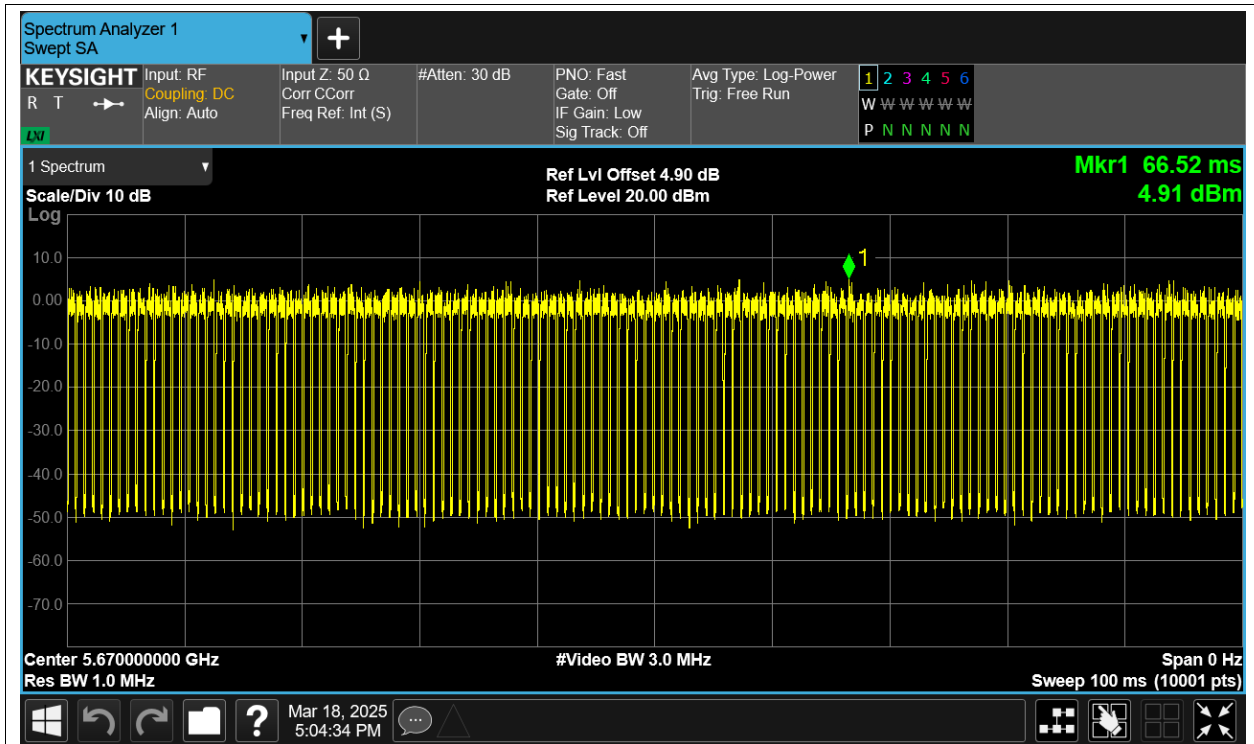
Duty Cycle NVNT ac40 5510MHz Ant12



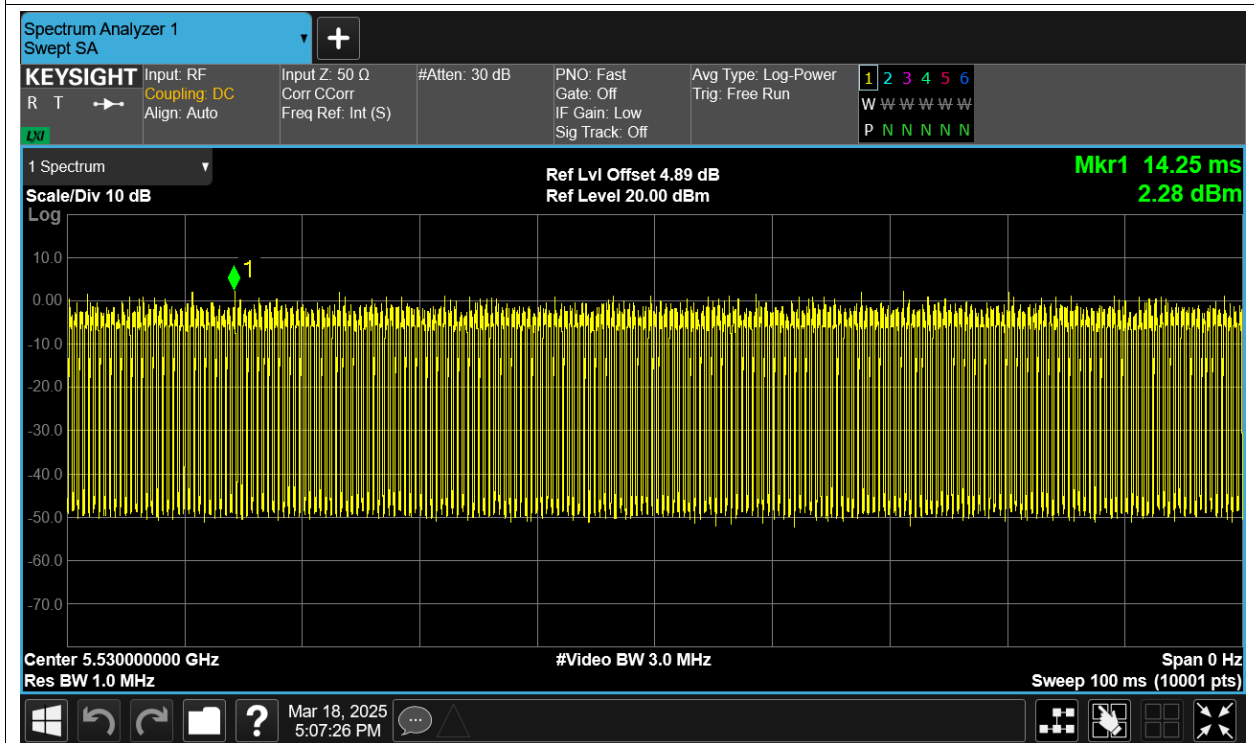
Duty Cycle NVNT ac40 5590MHz Ant12



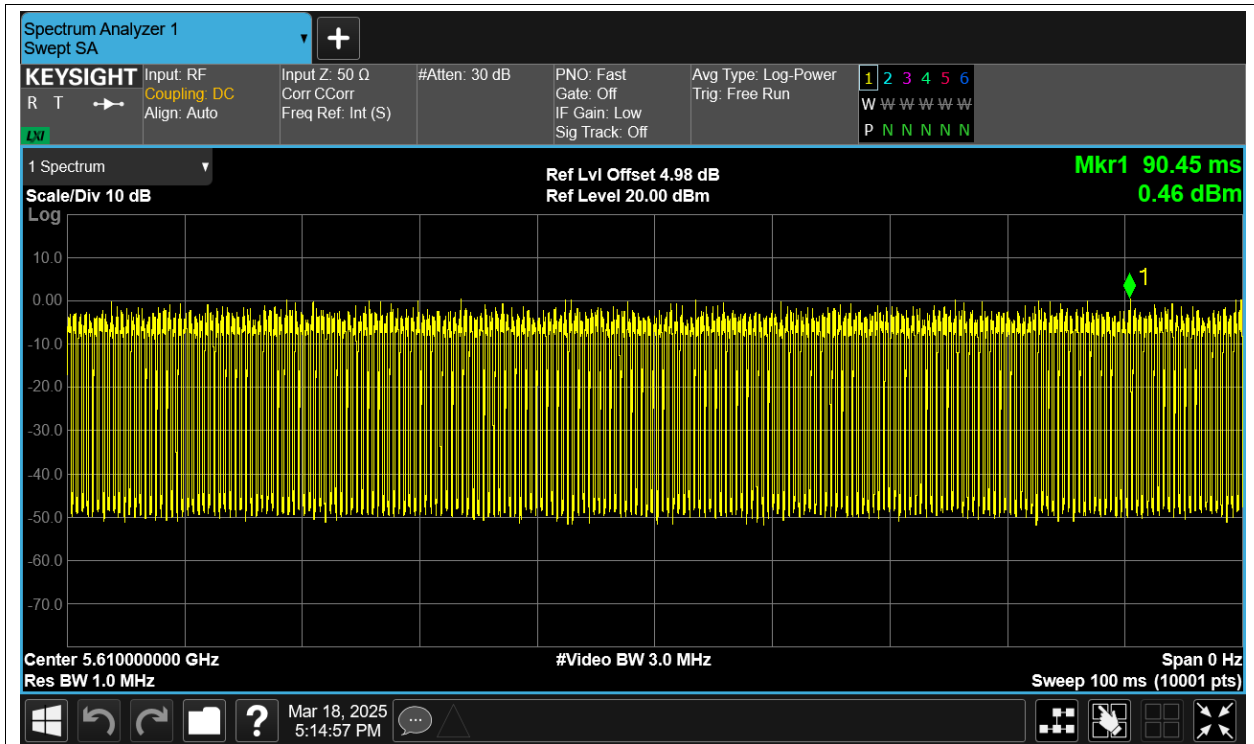
Duty Cycle NVNT ac40 5670MHz Ant12



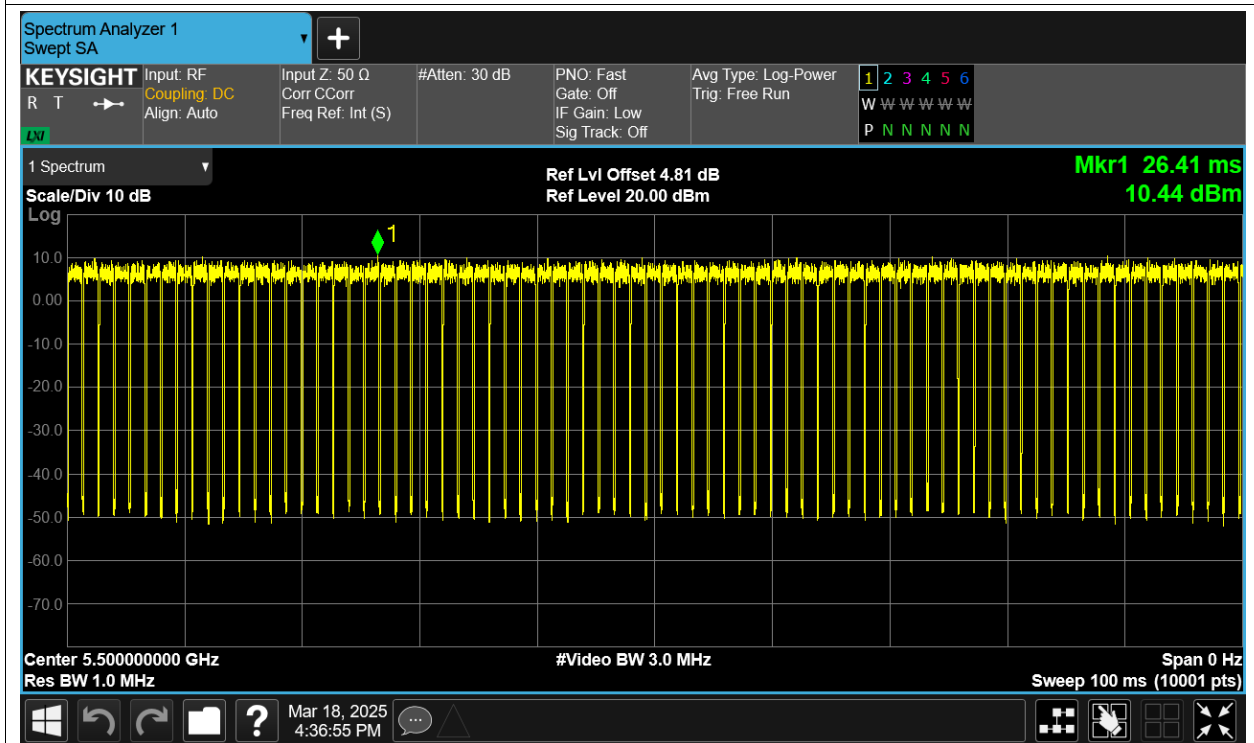
Duty Cycle NVNT ac80 5530MHz Ant12



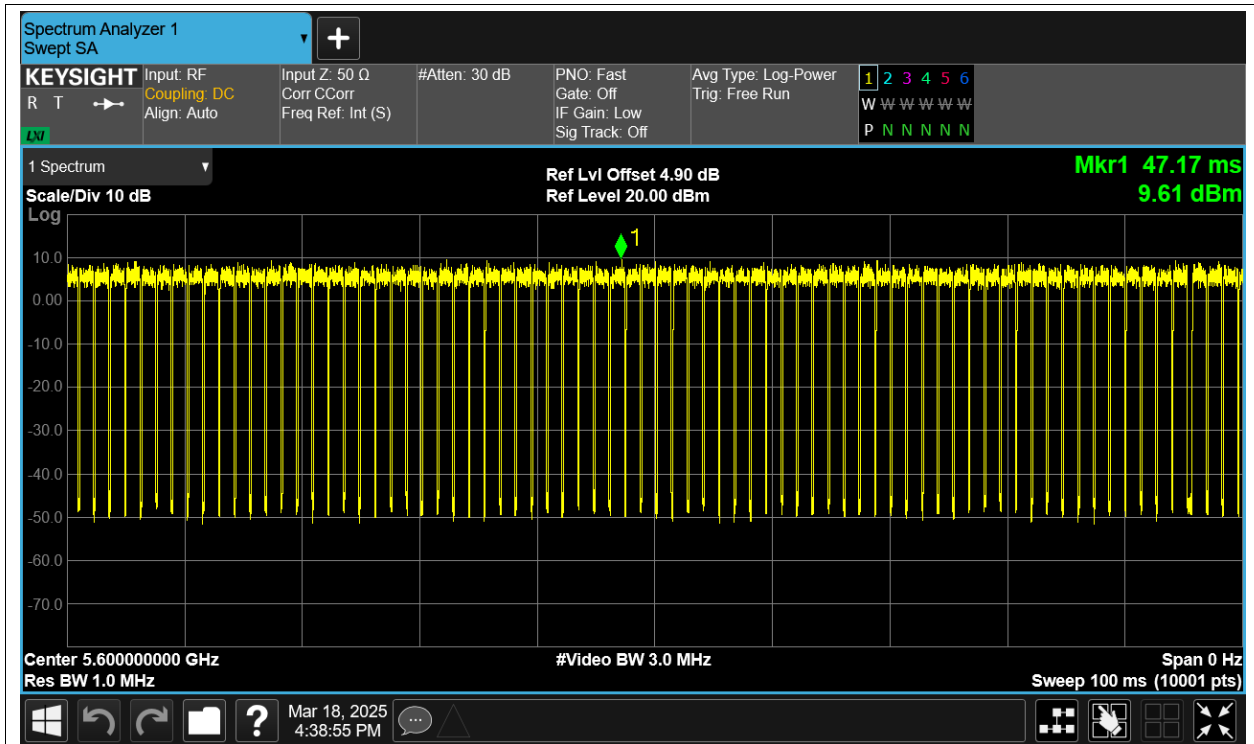
Duty Cycle NVNT ac80 5610MHz Ant12



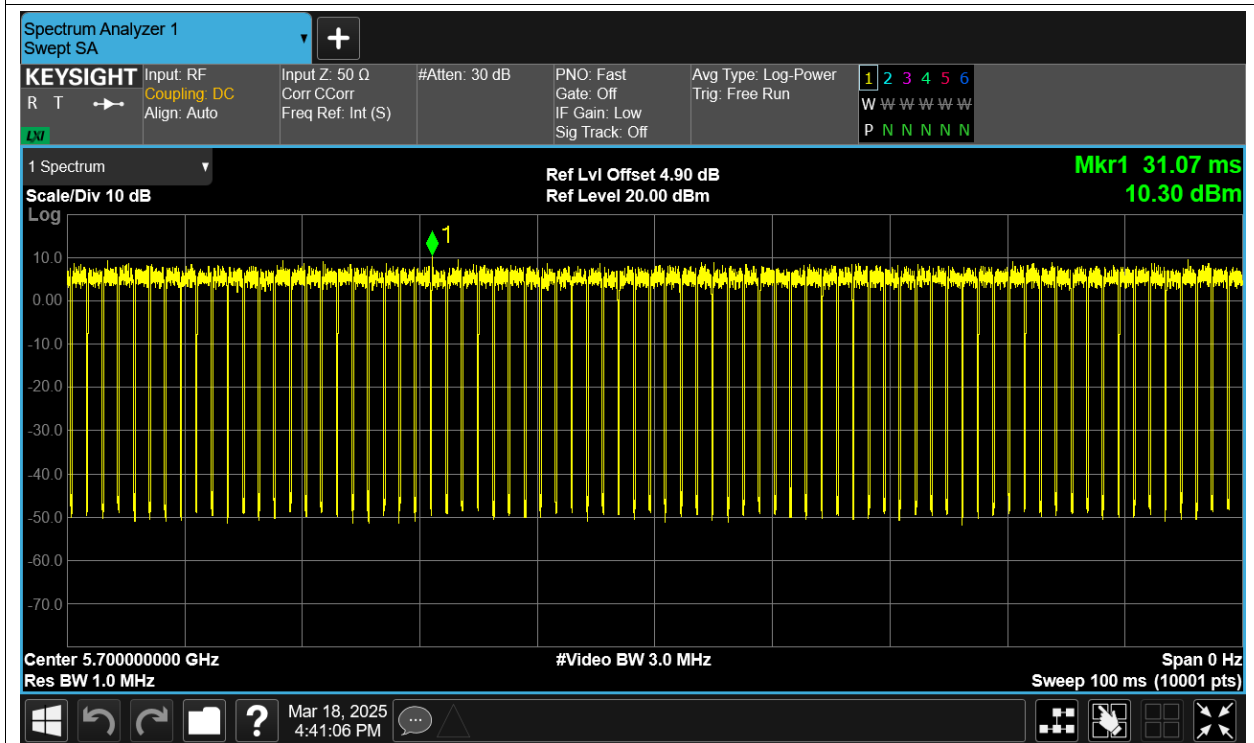
Duty Cycle NVNT n20 5500MHz Ant12



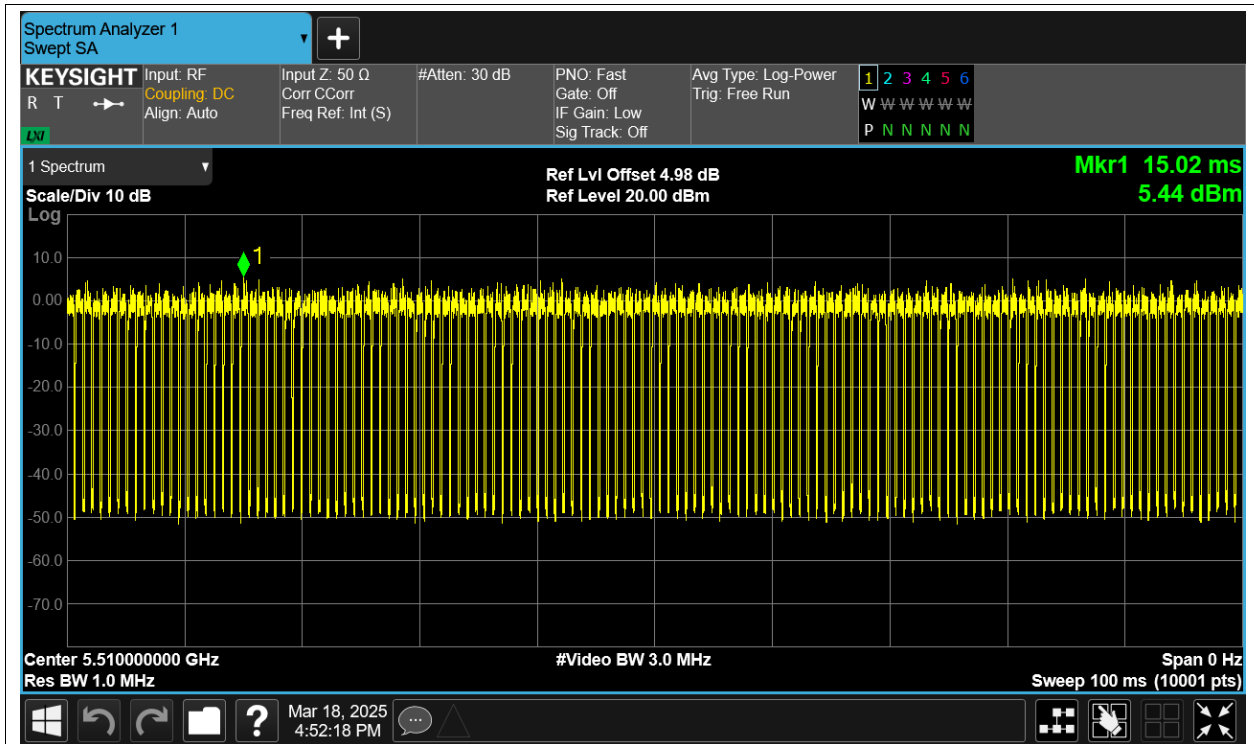
Duty Cycle NVNT n20 5600MHz Ant12



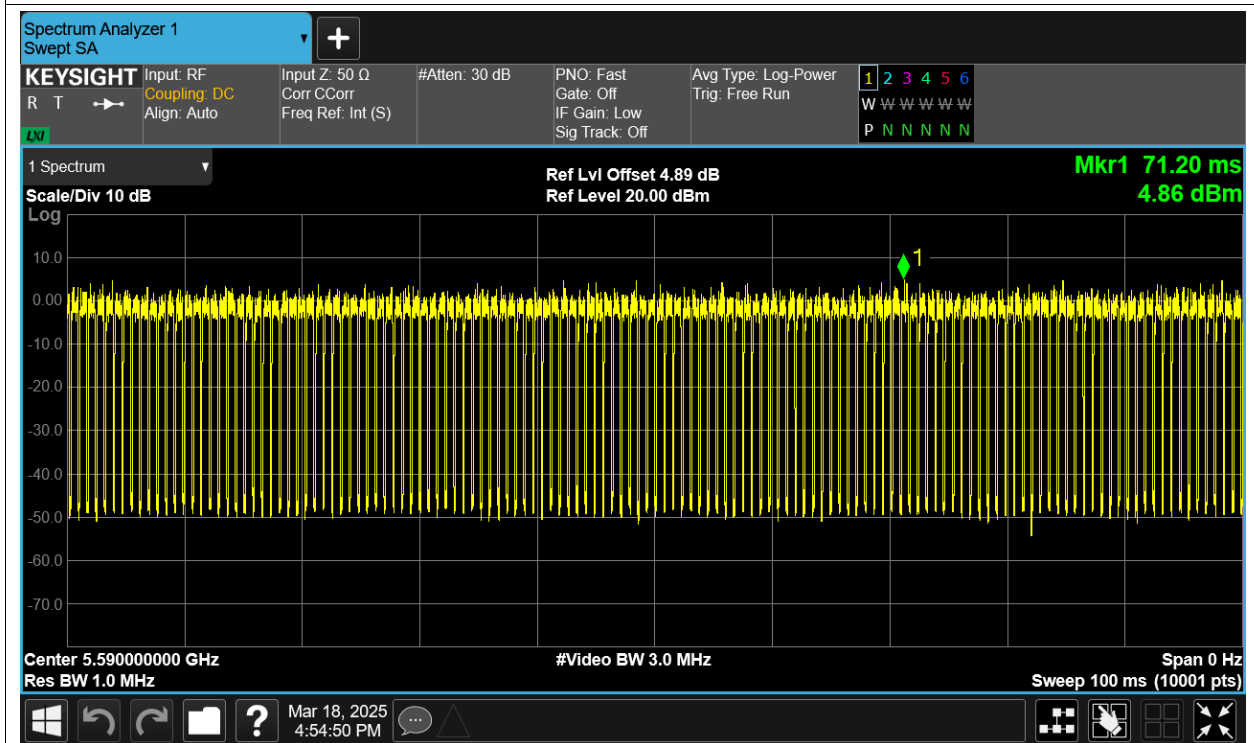
Duty Cycle NVNT n20 5700MHz Ant12



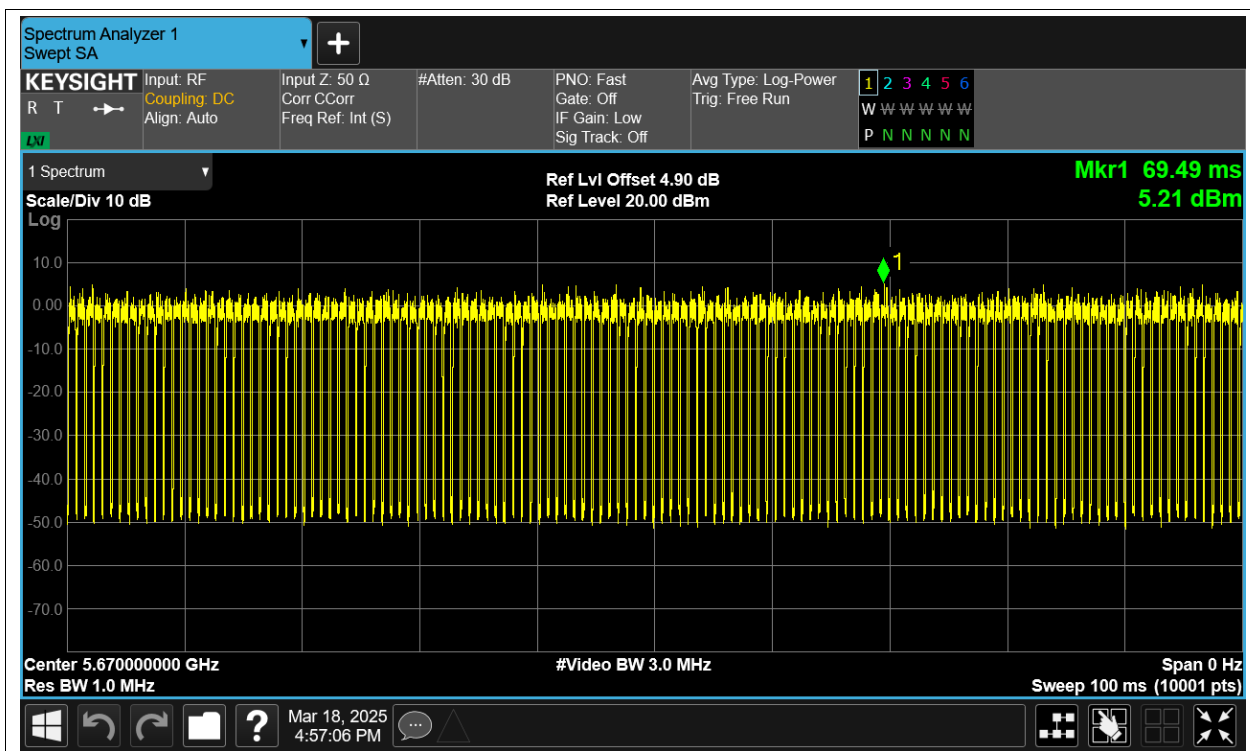
Duty Cycle NVNT n40 5510MHz Ant12



Duty Cycle NVNT n40 5590MHz Ant12



Duty Cycle NVNT n40 5670MHz Ant12



Maximum Conducted Output Power

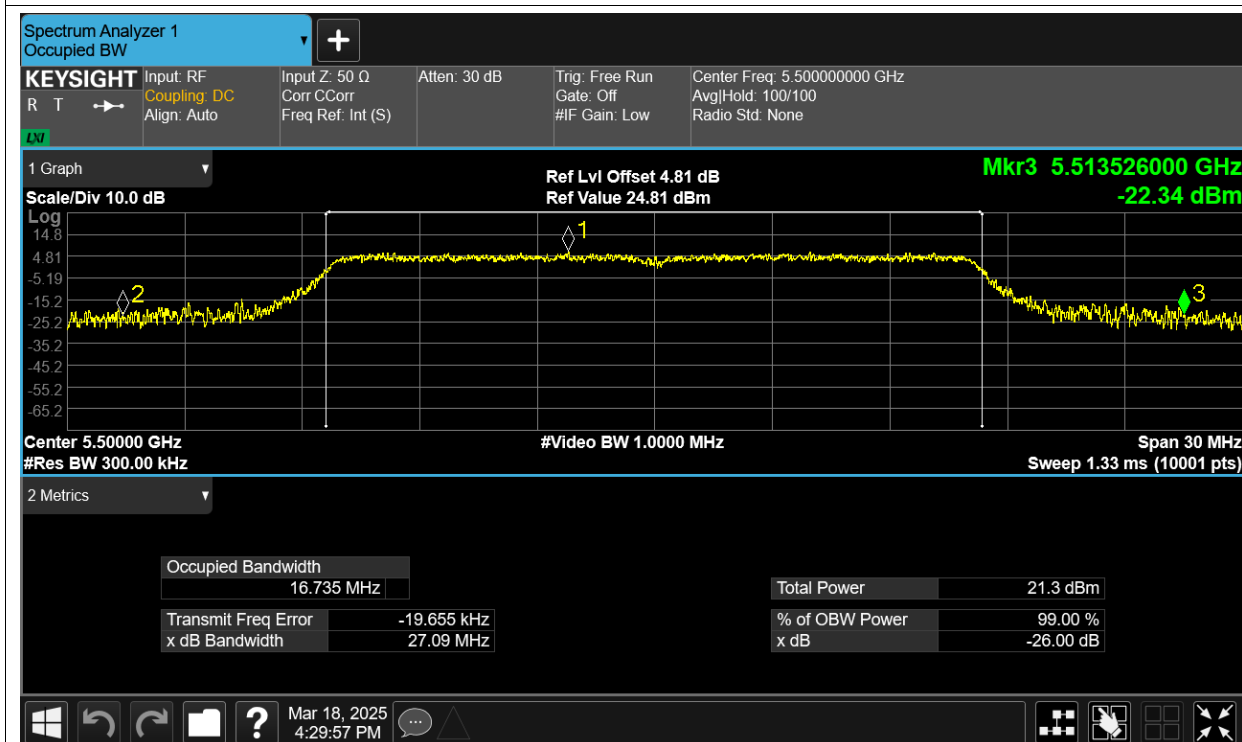
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant12	15.65	0.41	16.06	24	Pass
NVNT	a	5600	Ant12	14.36	0.44	14.8	24	Pass
NVNT	a	5700	Ant12	15	0.41	15.41	24	Pass
NVNT	ac20	5500	Ant12	14.52	0.49	15.01	24	Pass
NVNT	ac20	5600	Ant12	12.87	0.5	13.37	24	Pass
NVNT	ac20	5700	Ant12	13.59	0.49	14.08	24	Pass
NVNT	ac40	5510	Ant12	13.86	0.94	14.8	24	Pass
NVNT	ac40	5590	Ant12	12.65	0.93	13.58	24	Pass
NVNT	ac40	5670	Ant12	12.87	0.93	13.8	24	Pass
NVNT	ac80	5530	Ant12	13.08	1.64	14.72	24	Pass
NVNT	ac80	5610	Ant12	11.99	1.64	13.63	24	Pass
NVNT	n20	5500	Ant12	14.96	0.5	15.46	24	Pass
NVNT	n20	5600	Ant12	12.89	0.52	13.41	24	Pass
NVNT	n20	5700	Ant12	13.65	0.5	14.15	24	Pass
NVNT	n40	5510	Ant12	13.86	0.93	14.79	24	Pass
NVNT	n40	5590	Ant12	12.64	0.95	13.59	24	Pass
NVNT	n40	5670	Ant12	12.92	0.95	13.87	24	Pass

-26dB Bandwidth

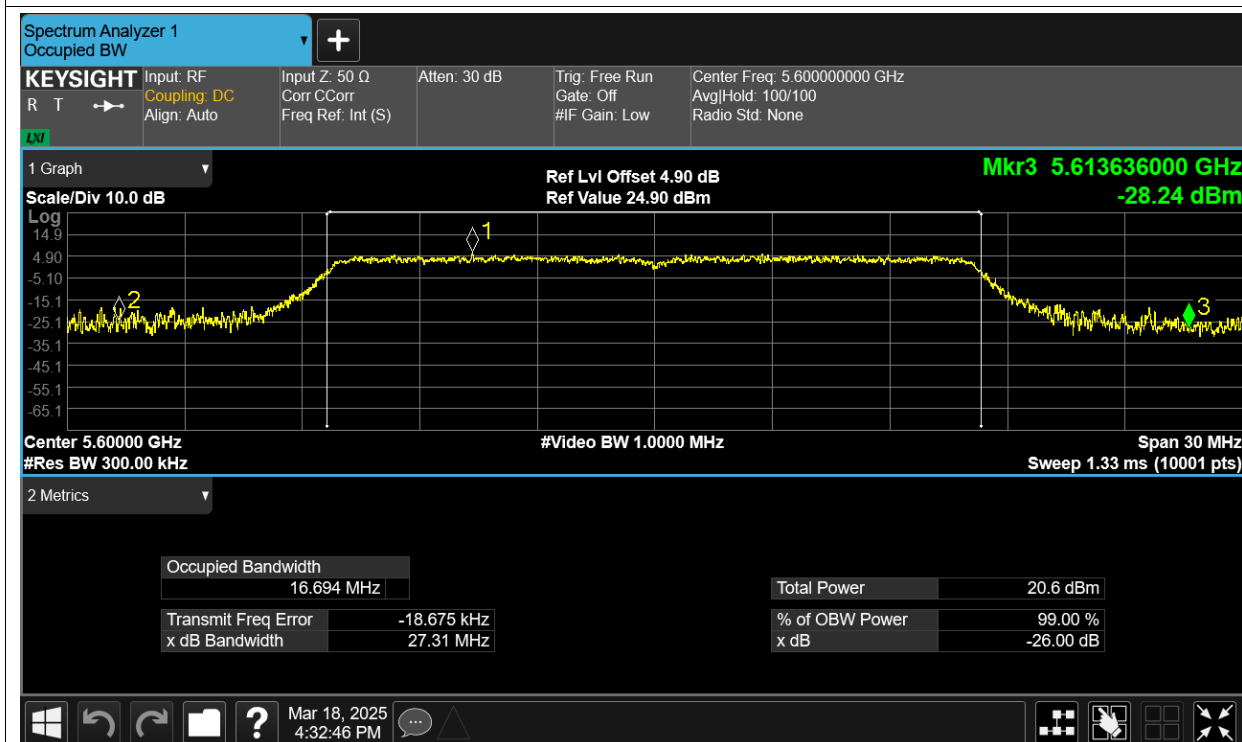
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant12	27.092
NVNT	a	5600	Ant12	27.309
NVNT	a	5700	Ant12	27.872
NVNT	ac20	5500	Ant12	28.439
NVNT	ac20	5600	Ant12	28.12
NVNT	ac20	5700	Ant12	26.497
NVNT	ac40	5510	Ant12	54.906
NVNT	ac40	5590	Ant12	53.733
NVNT	ac40	5670	Ant12	54.341
NVNT	ac80	5530	Ant12	78.373
NVNT	ac80	5610	Ant12	78.031
NVNT	n20	5500	Ant12	29.362
NVNT	n20	5600	Ant12	29.476
NVNT	n20	5700	Ant12	28.358
NVNT	n40	5510	Ant12	53.509
NVNT	n40	5590	Ant12	55.592
NVNT	n40	5670	Ant12	56.708

Test Graphs

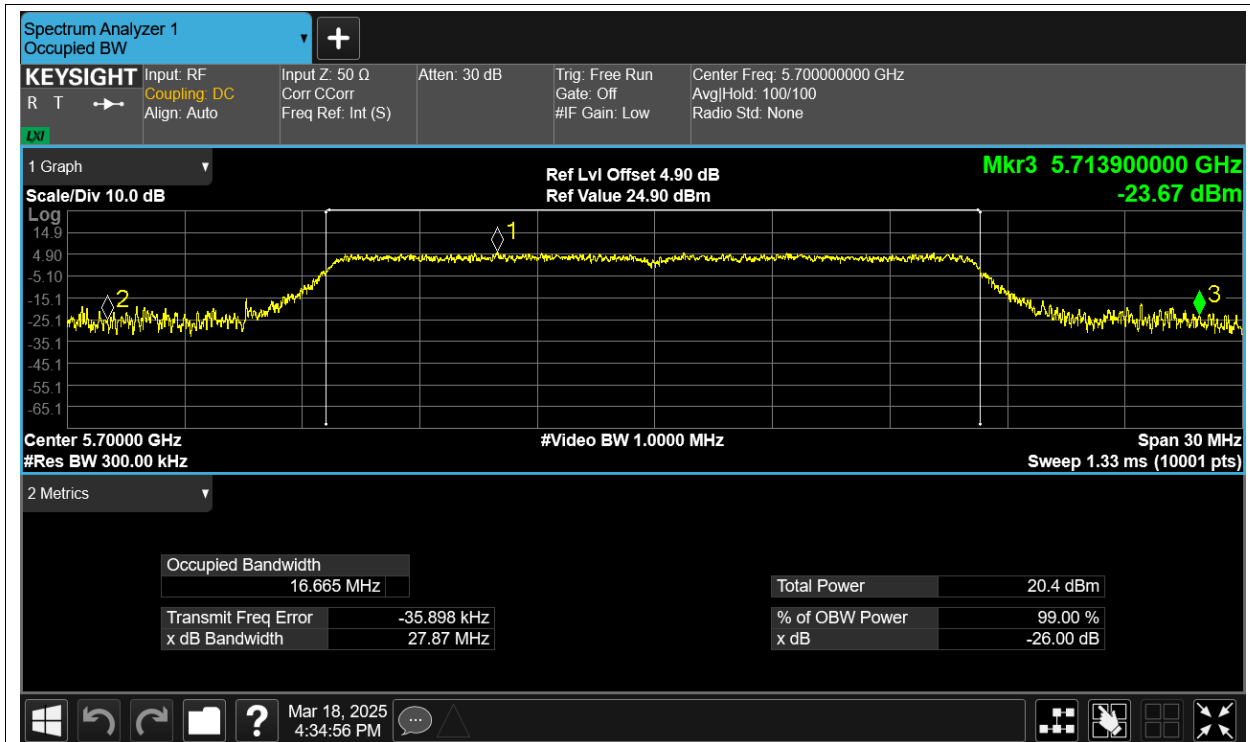
-26dB Bandwidth NVNT a 5500MHz Ant12



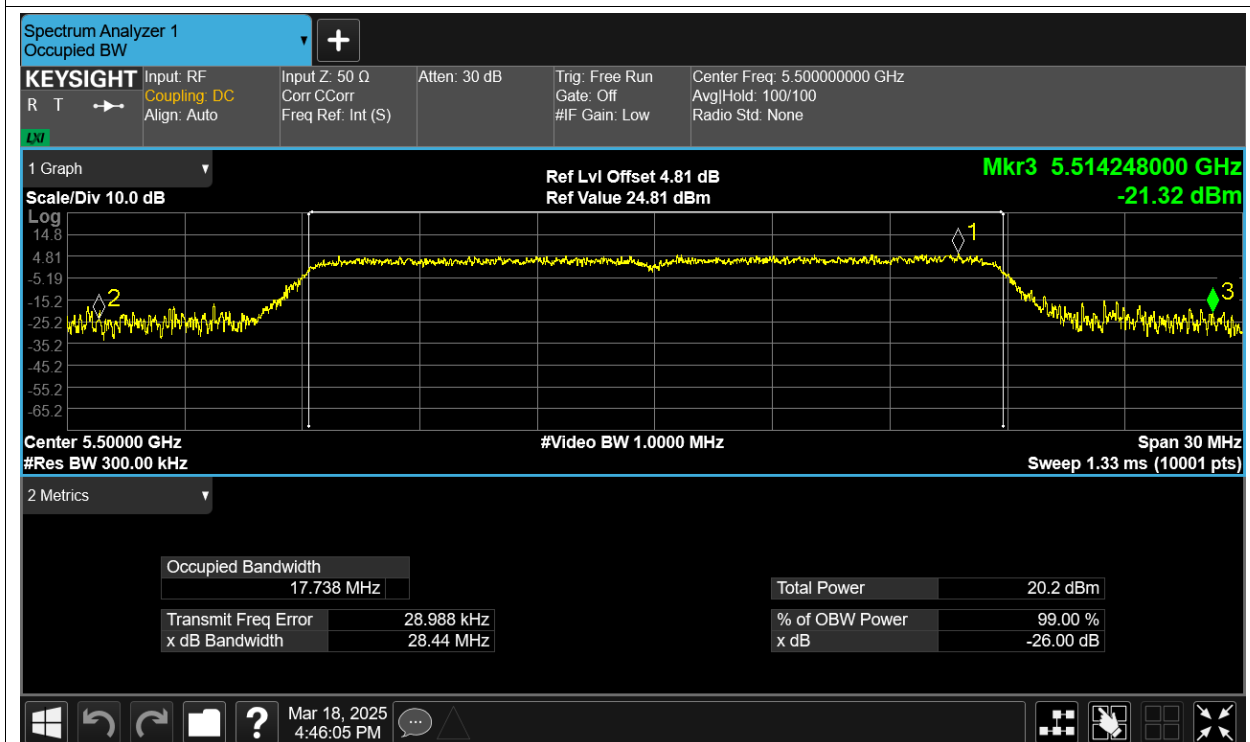
-26dB Bandwidth NVNT a 5600MHz Ant12



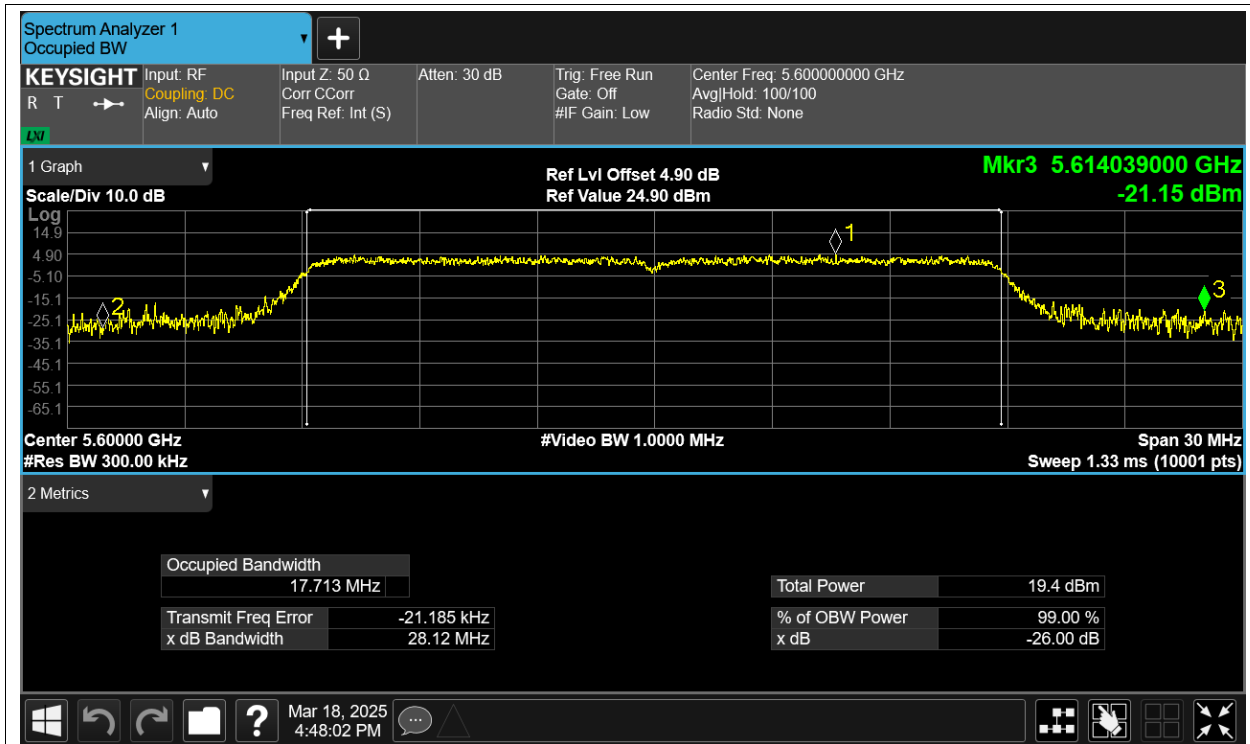
-26dB Bandwidth NVNT a 5700MHz Ant12



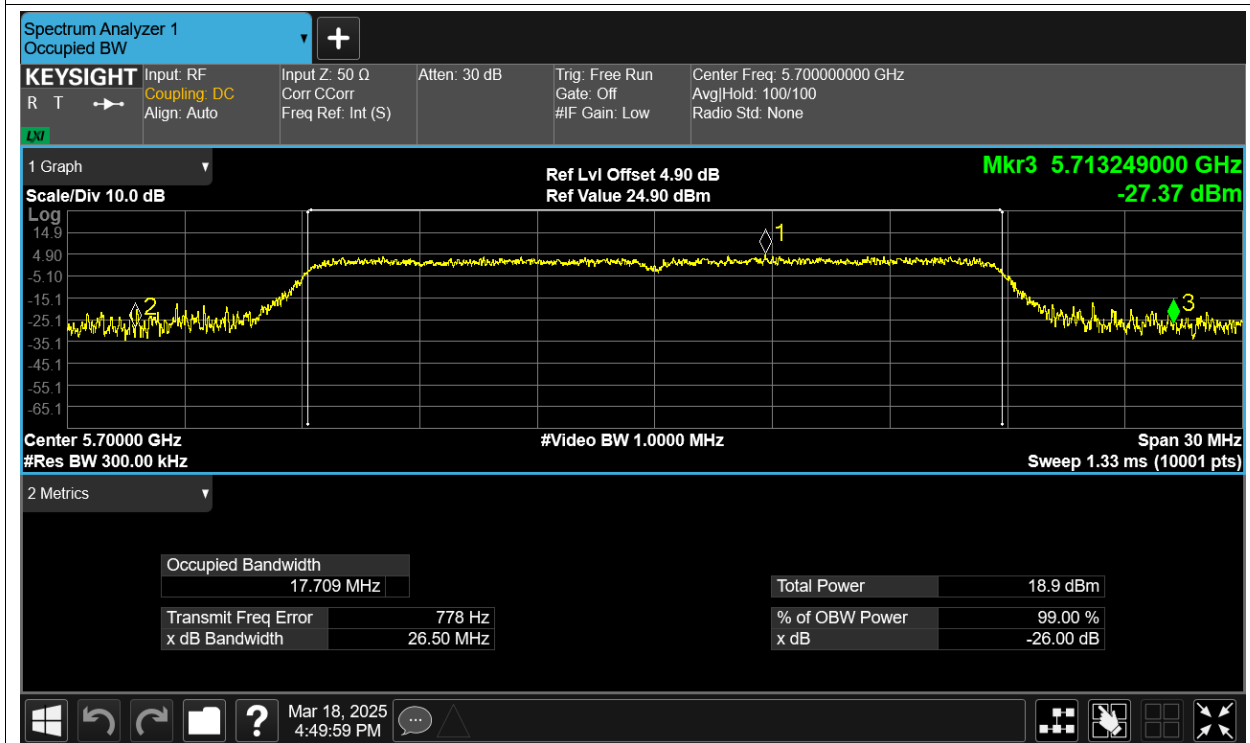
-26dB Bandwidth NVNT ac20 5500MHz Ant12



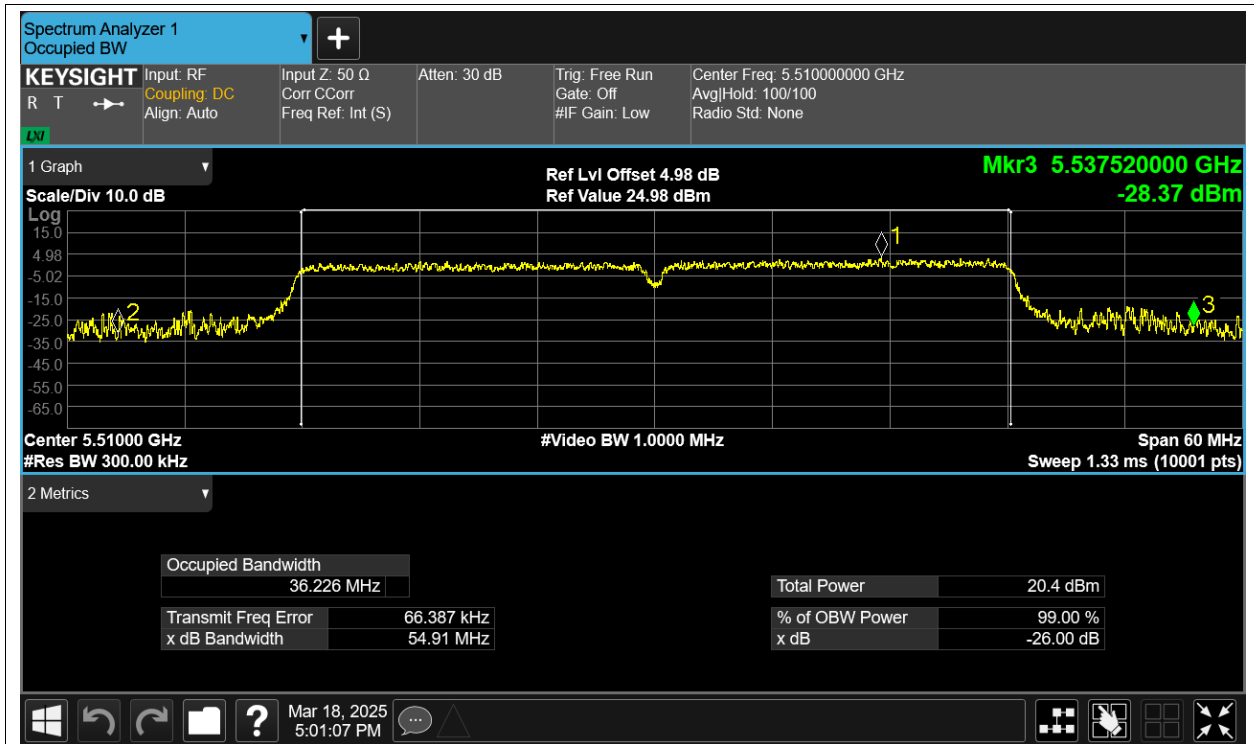
-26dB Bandwidth NVNT ac20 5600MHz Ant12



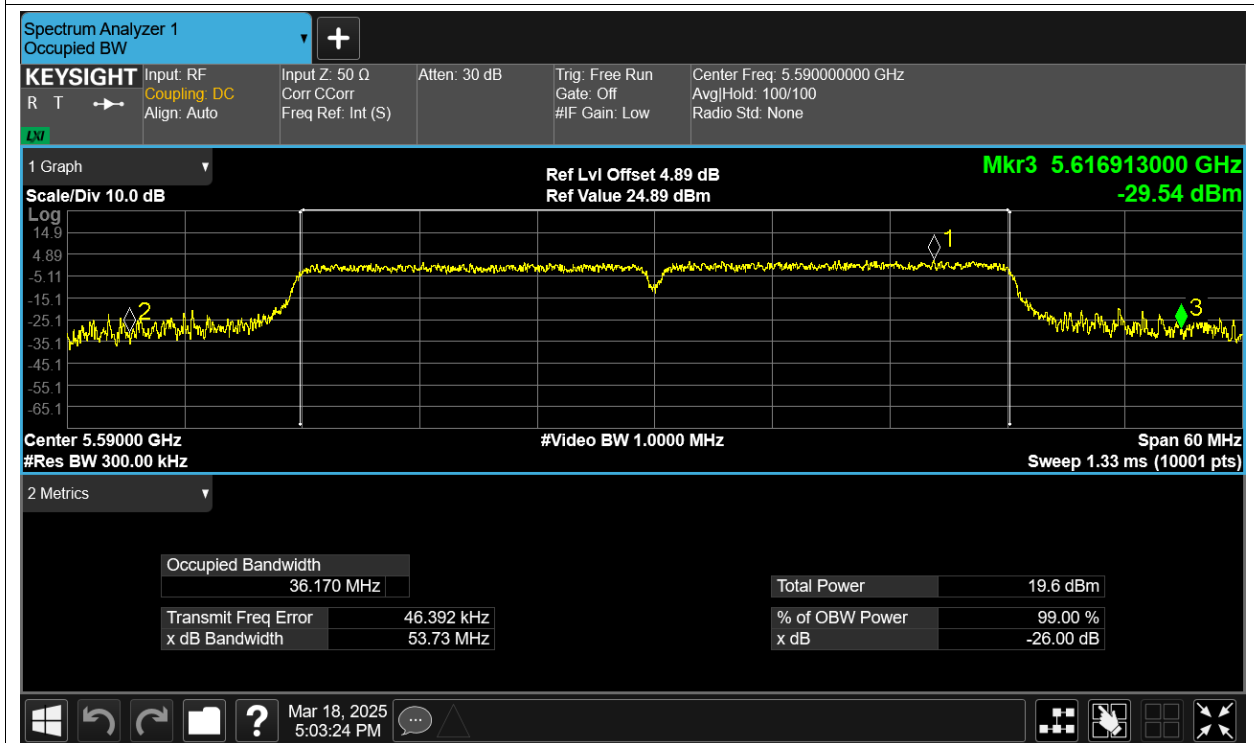
-26dB Bandwidth NVNT ac20 5700MHz Ant12



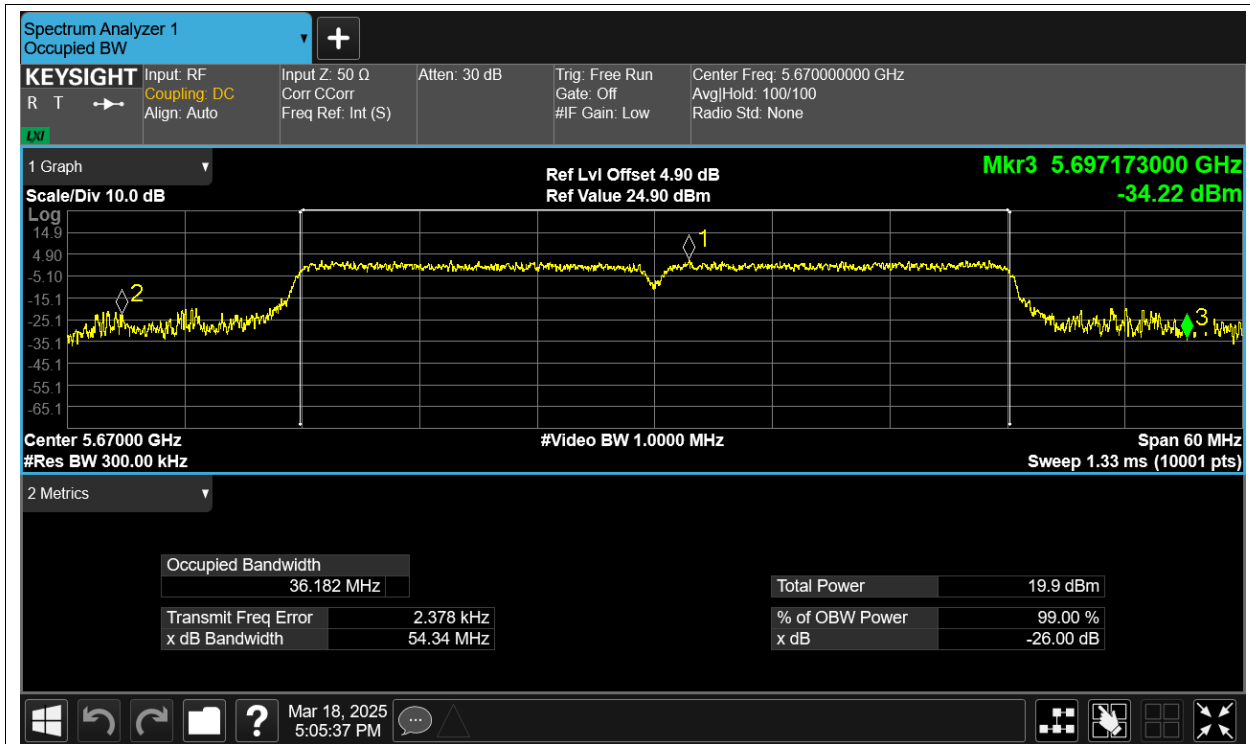
-26dB Bandwidth NVNT ac40 5510MHz Ant12



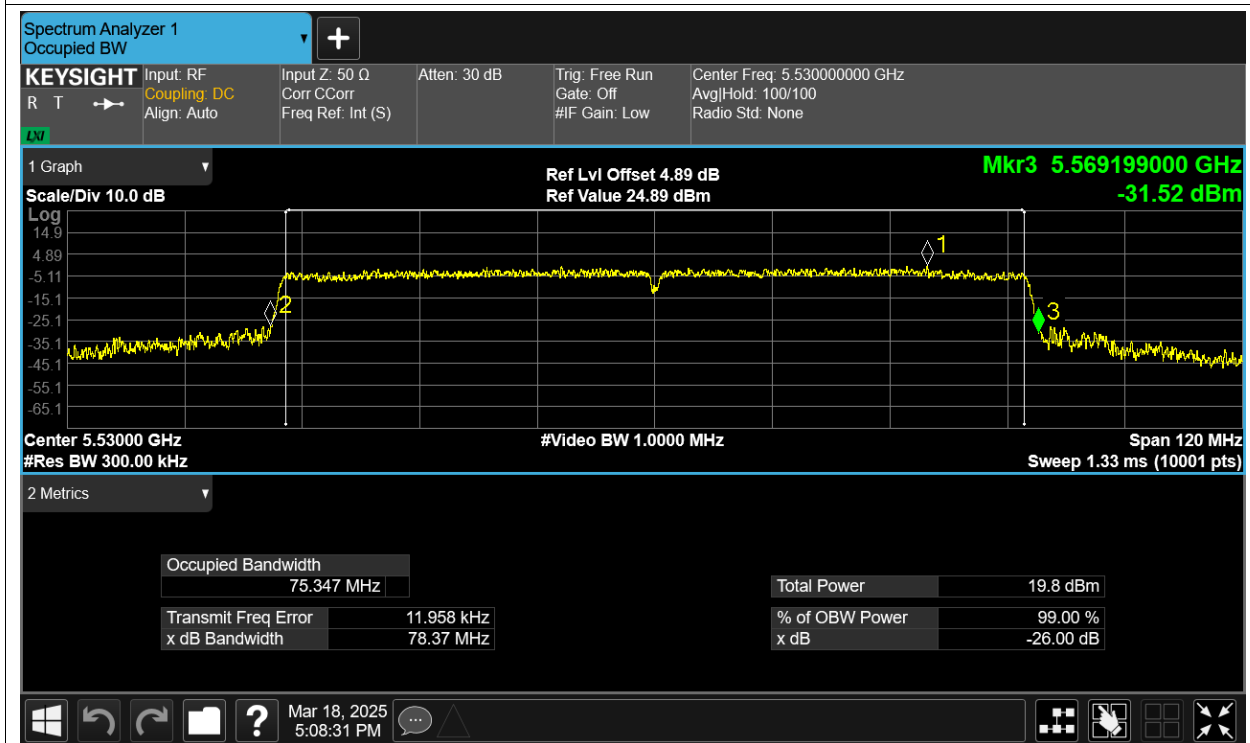
-26dB Bandwidth NVNT ac40 5590MHz Ant12



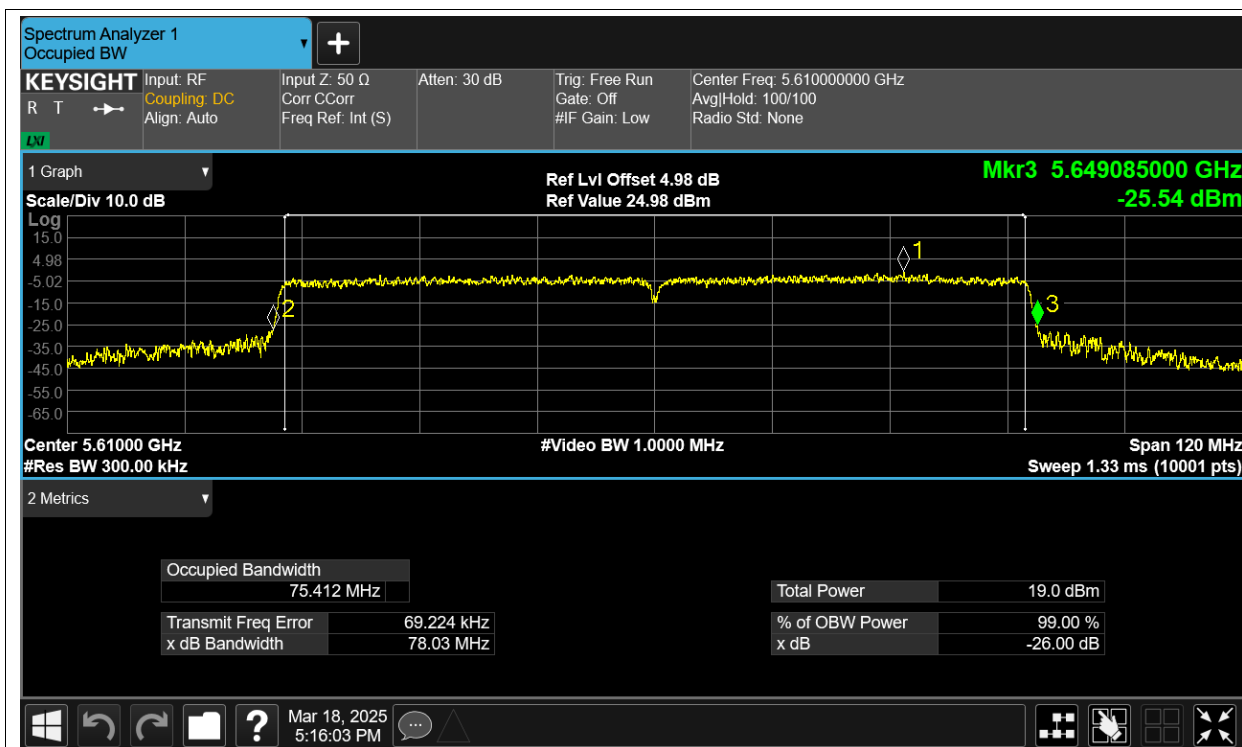
-26dB Bandwidth NVNT ac40 5670MHz Ant12



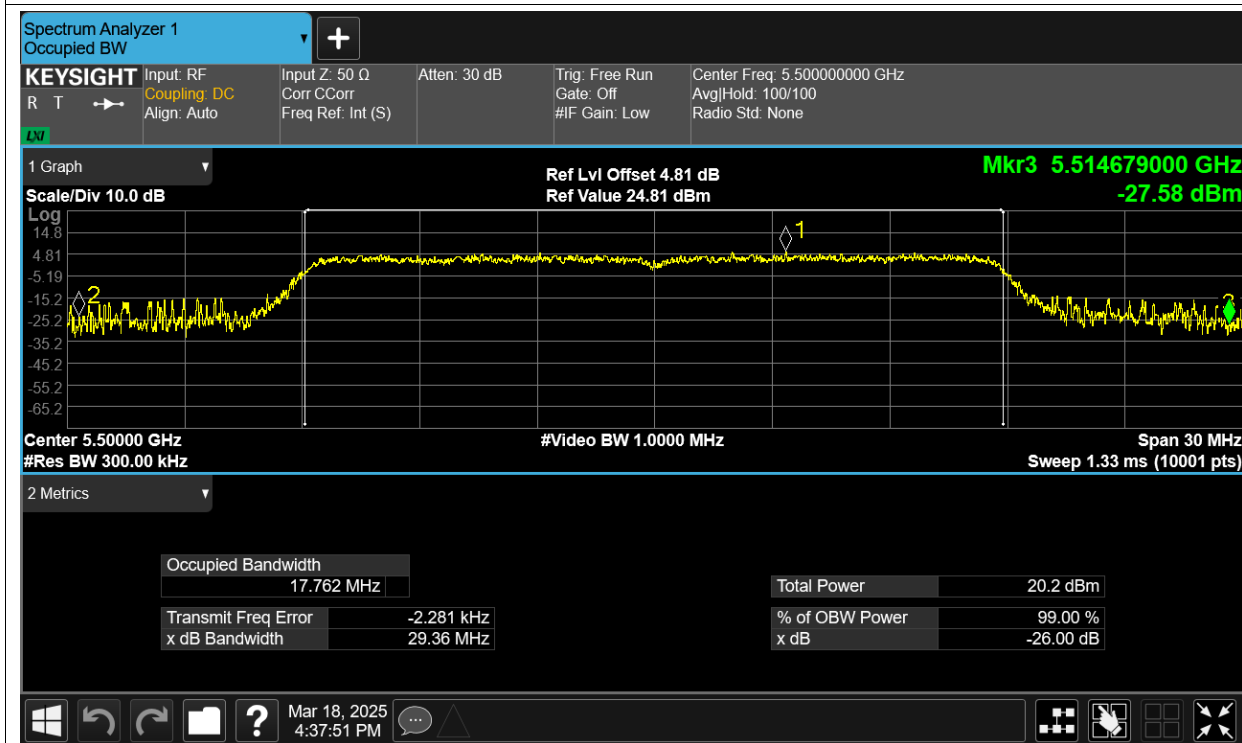
-26dB Bandwidth NVNT ac80 5530MHz Ant12



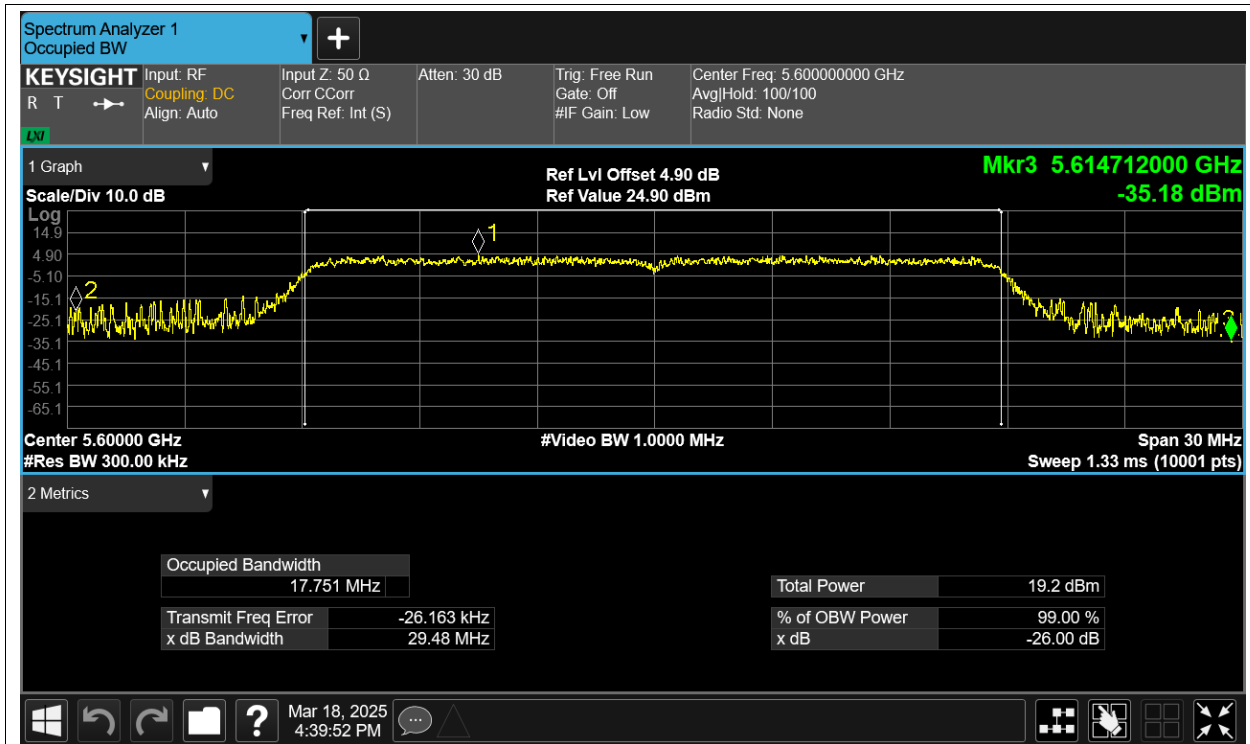
-26dB Bandwidth NVNT ac80 5610MHz Ant12



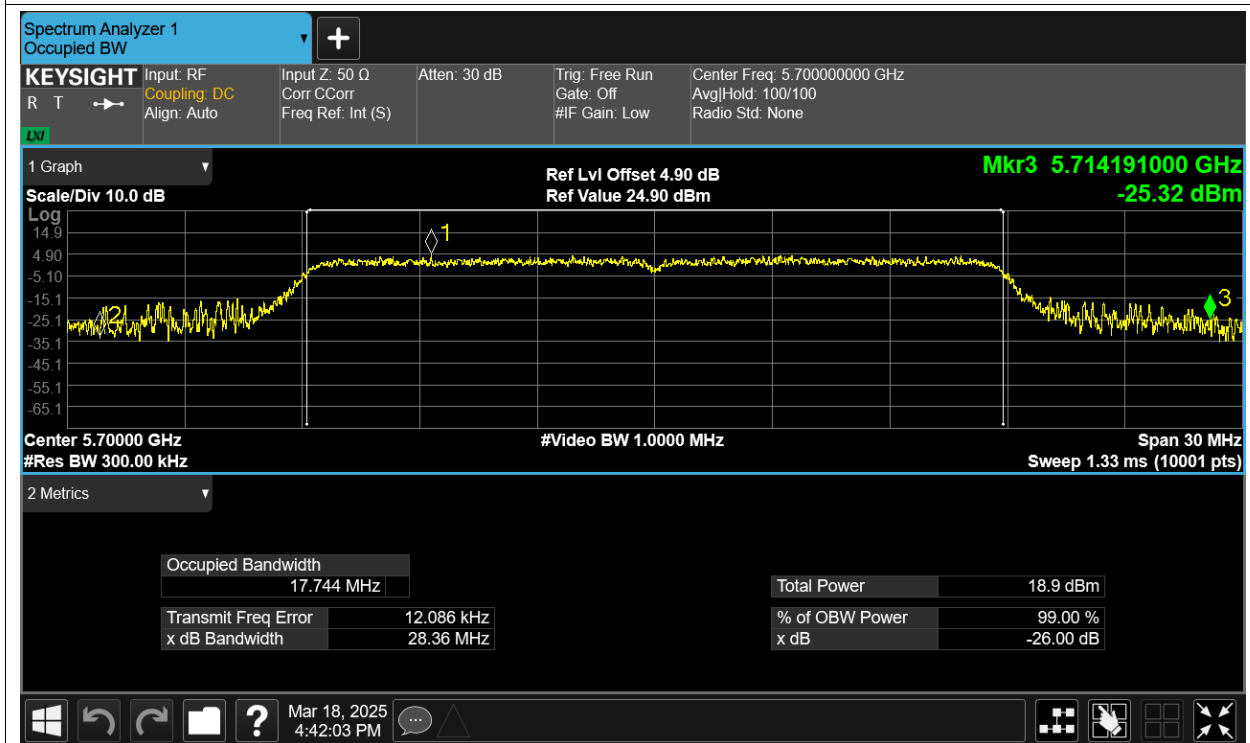
-26dB Bandwidth NVNT n20 5500MHz Ant12



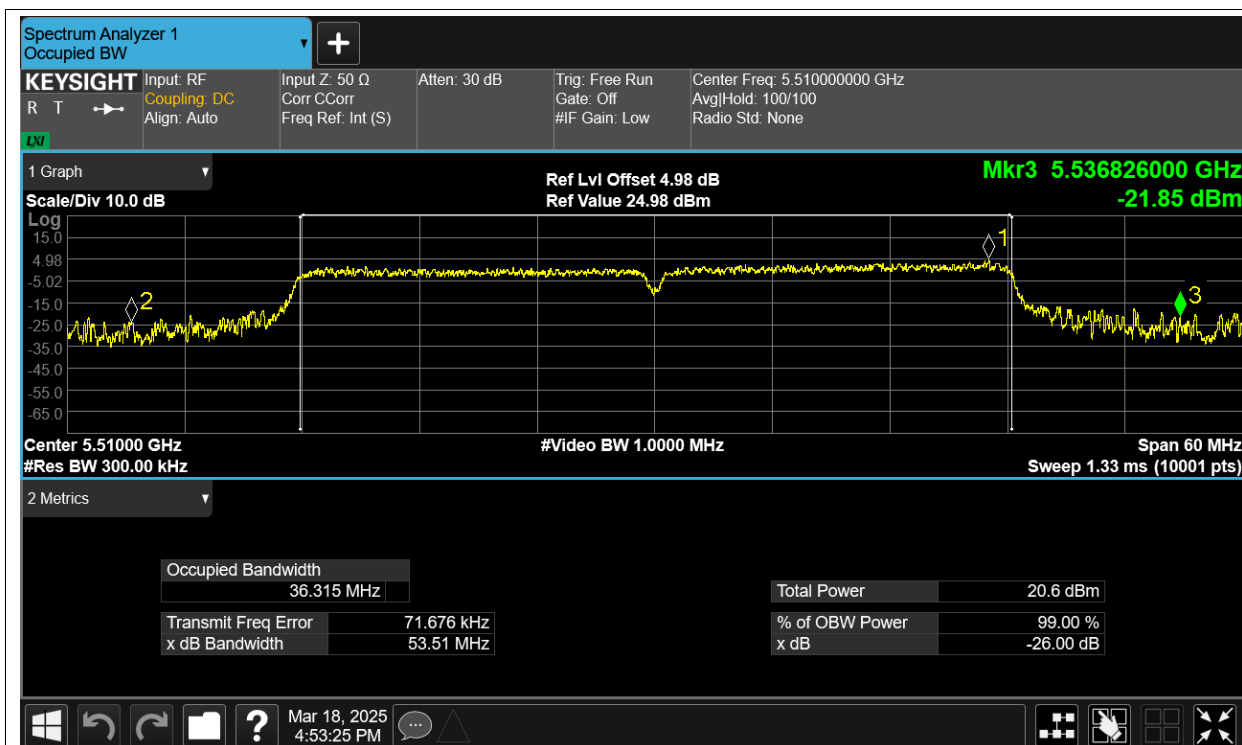
-26dB Bandwidth NVNT n20 5600MHz Ant12



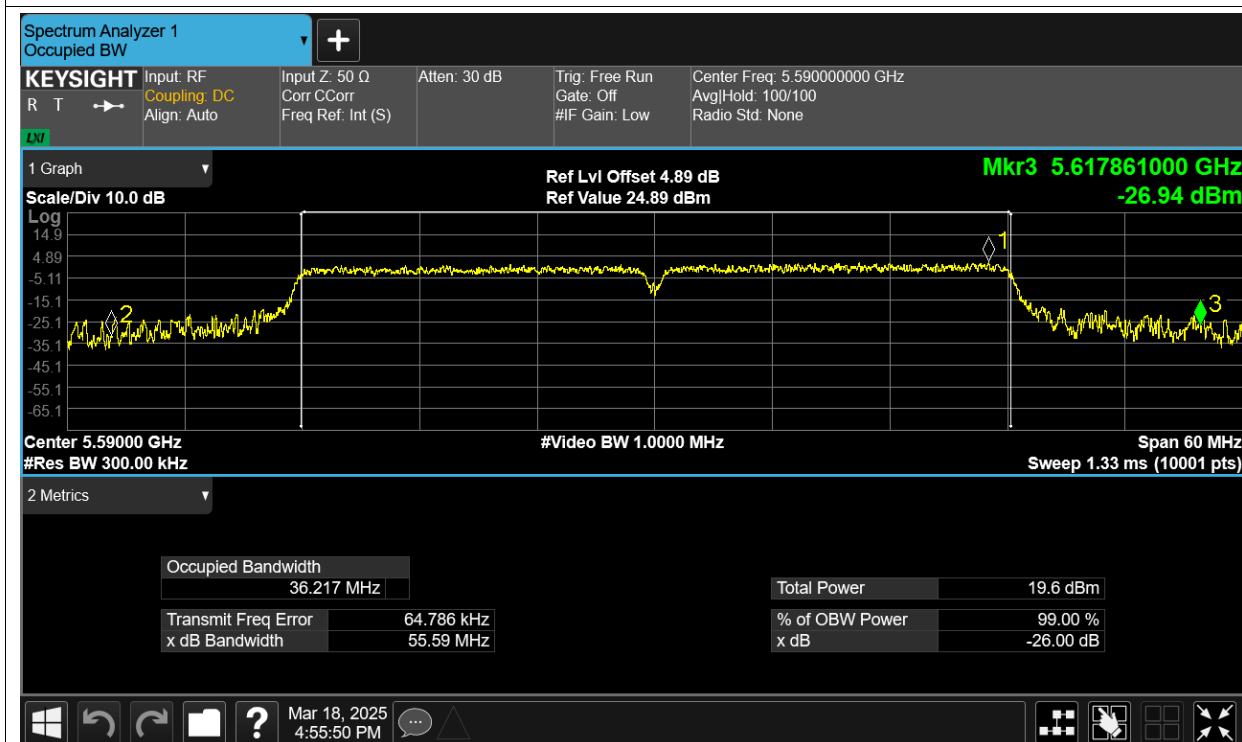
-26dB Bandwidth NVNT n20 5700MHz Ant12



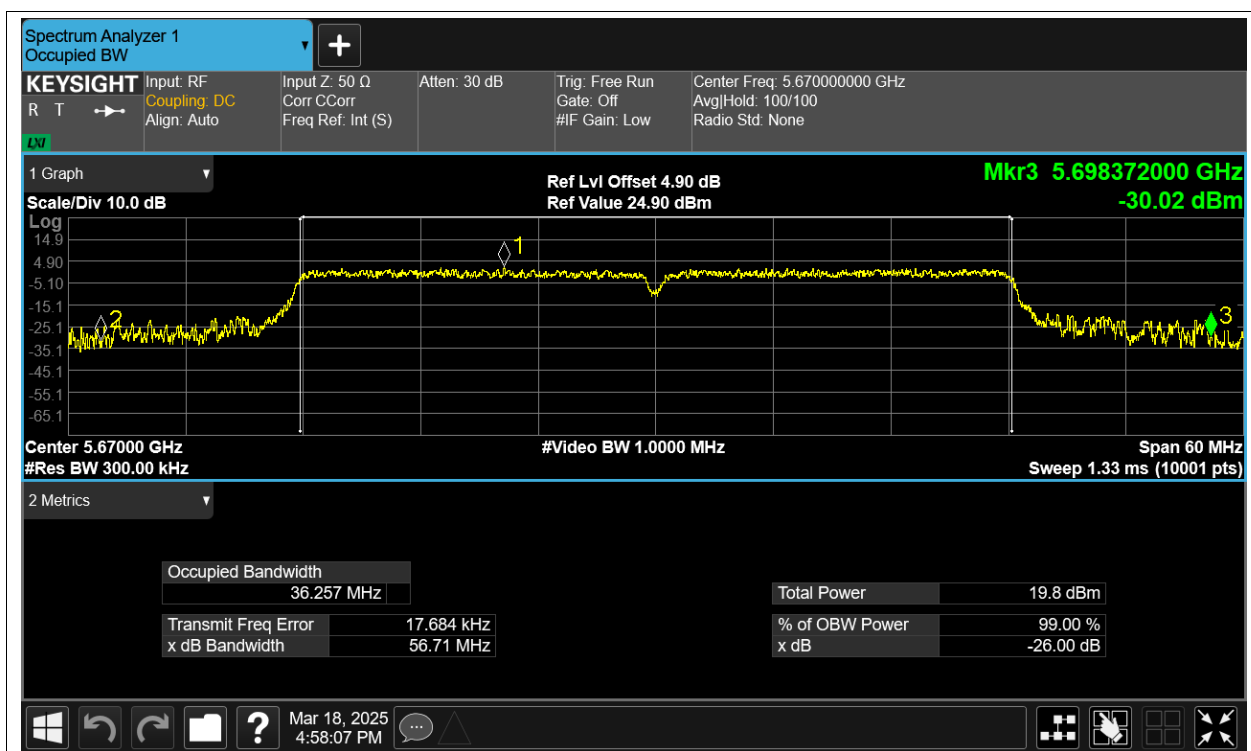
-26dB Bandwidth NVNT n40 5510MHz Ant12



-26dB Bandwidth NVNT n40 5590MHz Ant12

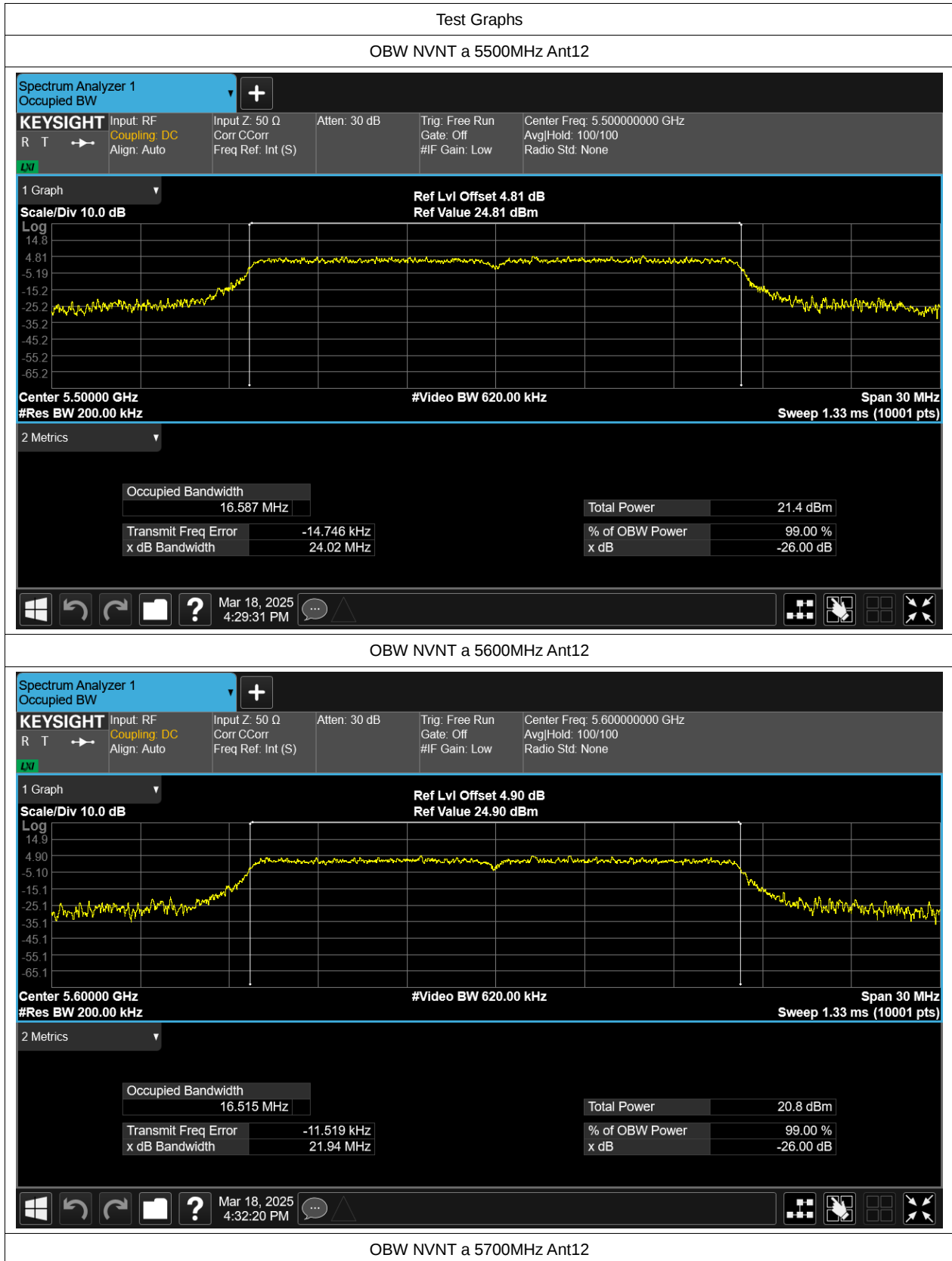


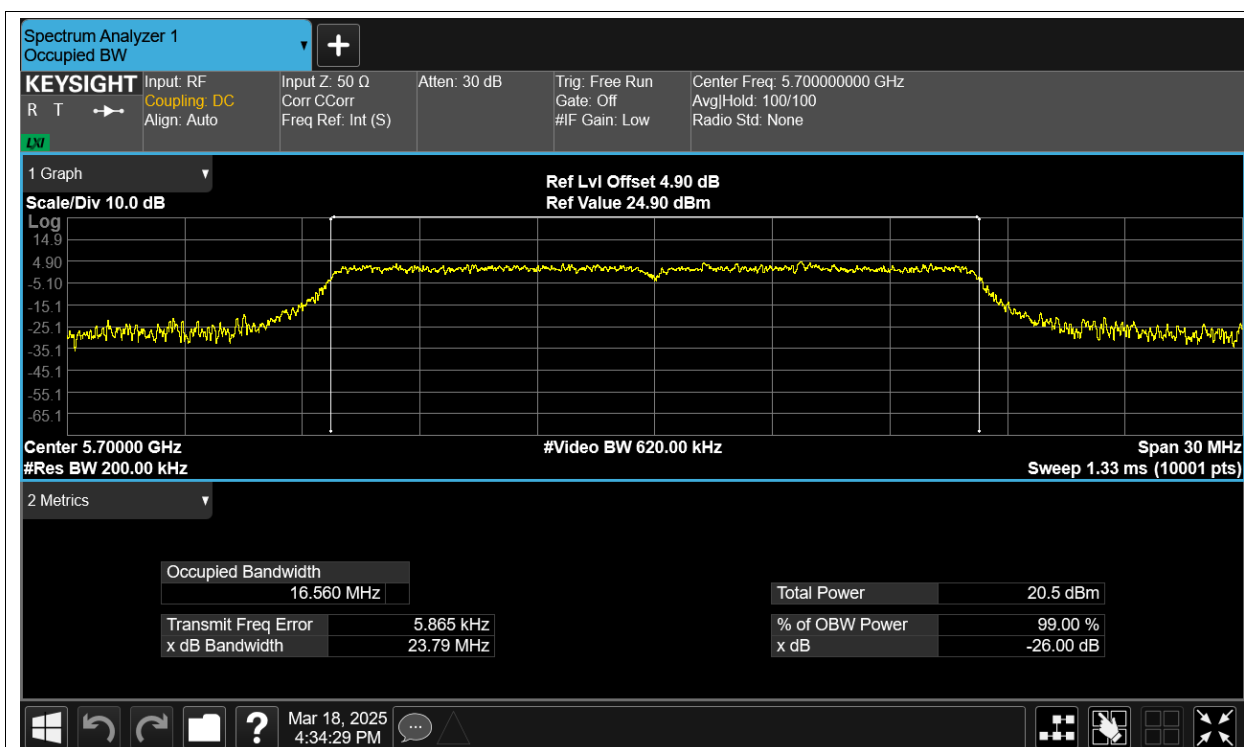
-26dB Bandwidth NVNT n40 5670MHz Ant12



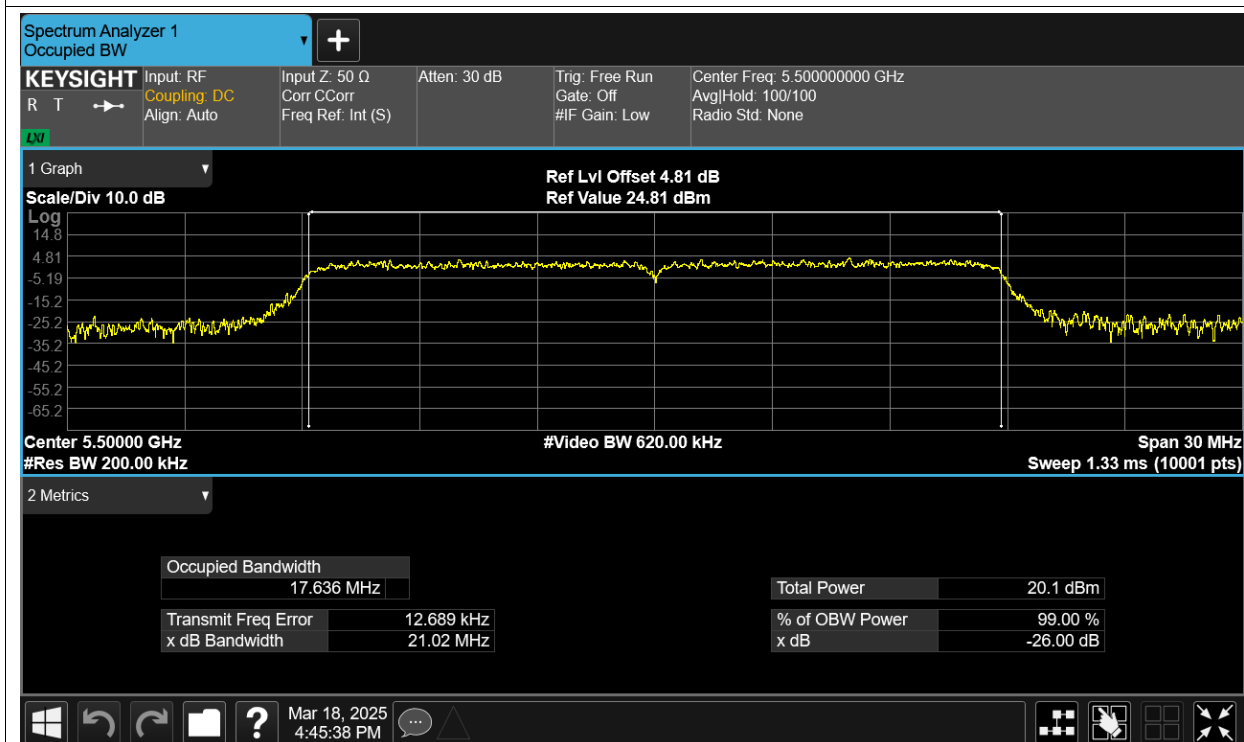
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant12	16.587
NVNT	a	5600	Ant12	16.515
NVNT	a	5700	Ant12	16.56
NVNT	ac20	5500	Ant12	17.636
NVNT	ac20	5600	Ant12	17.626
NVNT	ac20	5700	Ant12	17.603
NVNT	ac40	5510	Ant12	36.323
NVNT	ac40	5590	Ant12	36.262
NVNT	ac40	5670	Ant12	36.324
NVNT	ac80	5530	Ant12	75.437
NVNT	ac80	5610	Ant12	75.494
NVNT	n20	5500	Ant12	17.654
NVNT	n20	5600	Ant12	17.64
NVNT	n20	5700	Ant12	17.644
NVNT	n40	5510	Ant12	36.333
NVNT	n40	5590	Ant12	36.287
NVNT	n40	5670	Ant12	36.365

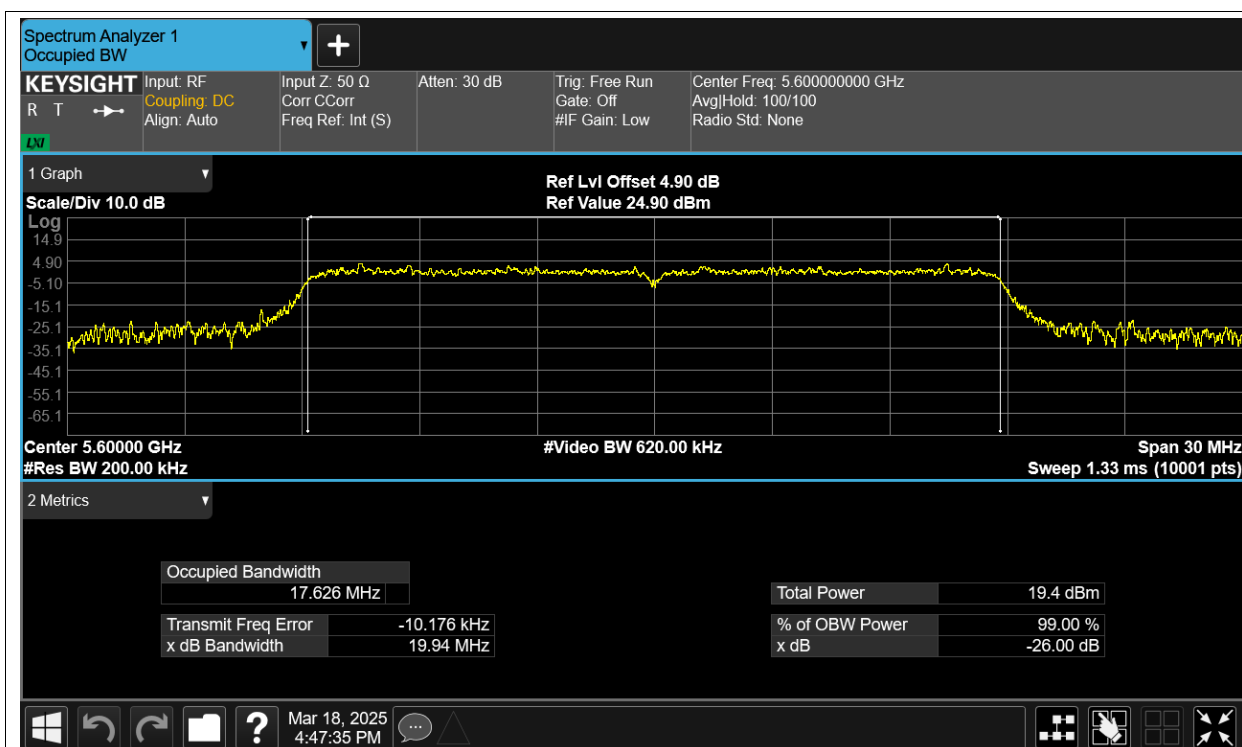




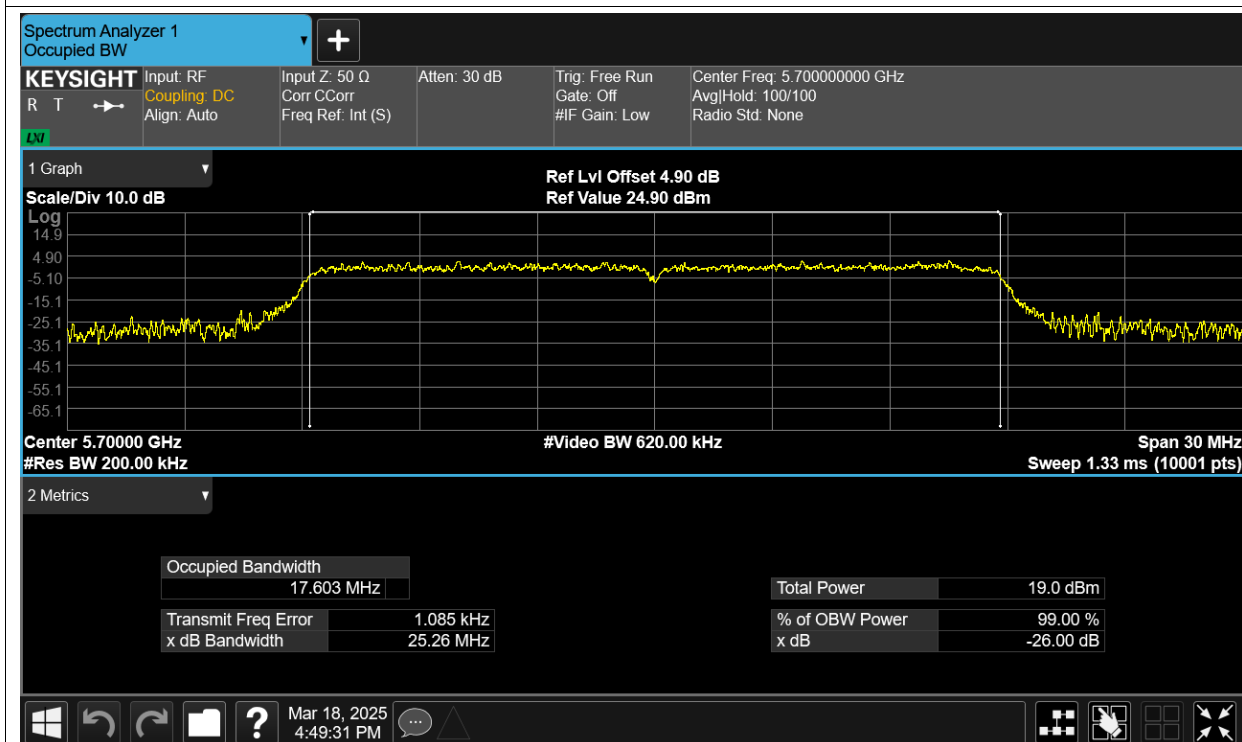
OBW NVNT ac20 5500MHz Ant12



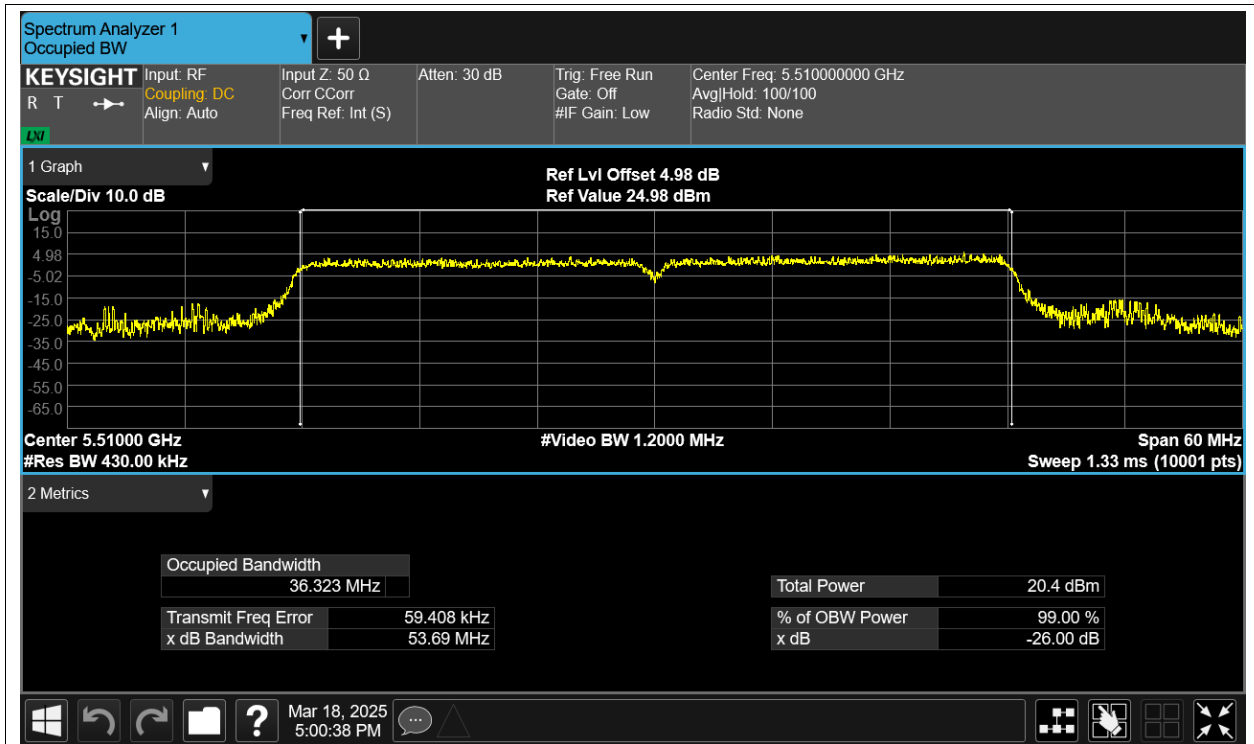
OBW NVNT ac20 5600MHz Ant12



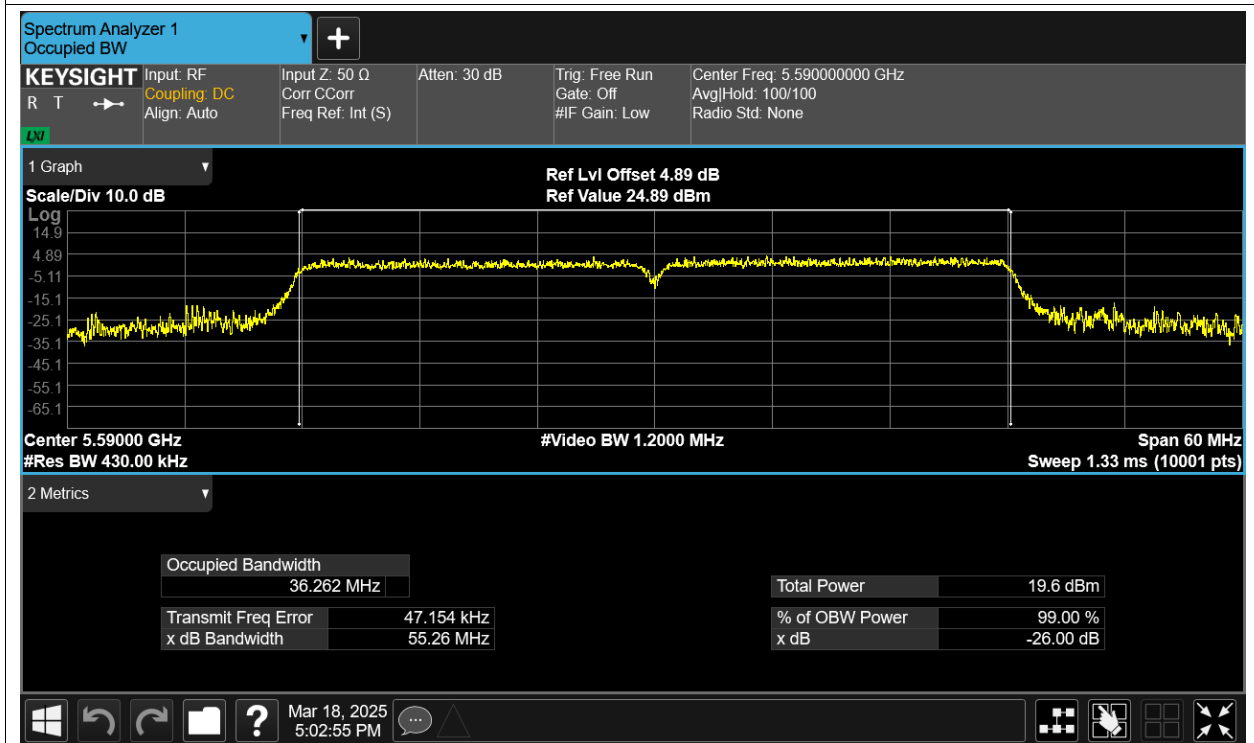
OBW NVNT ac20 5700MHz Ant12



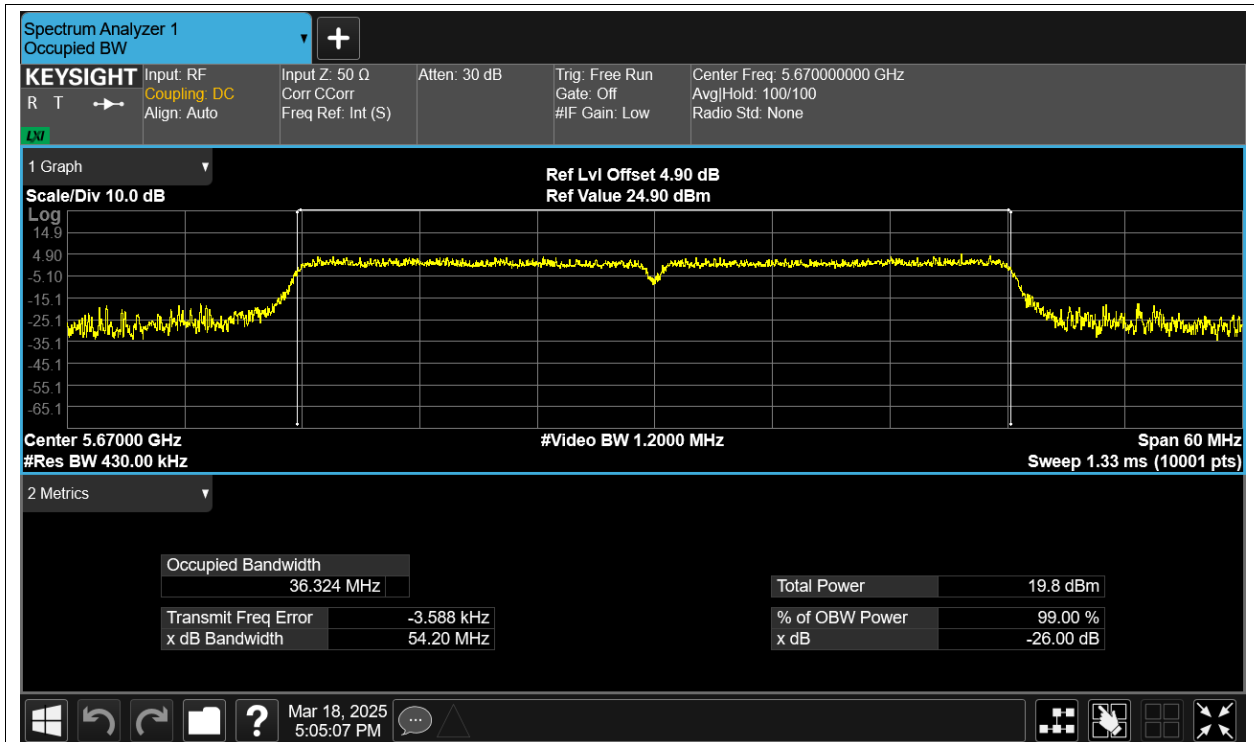
OBW NVNT ac40 5510MHz Ant12



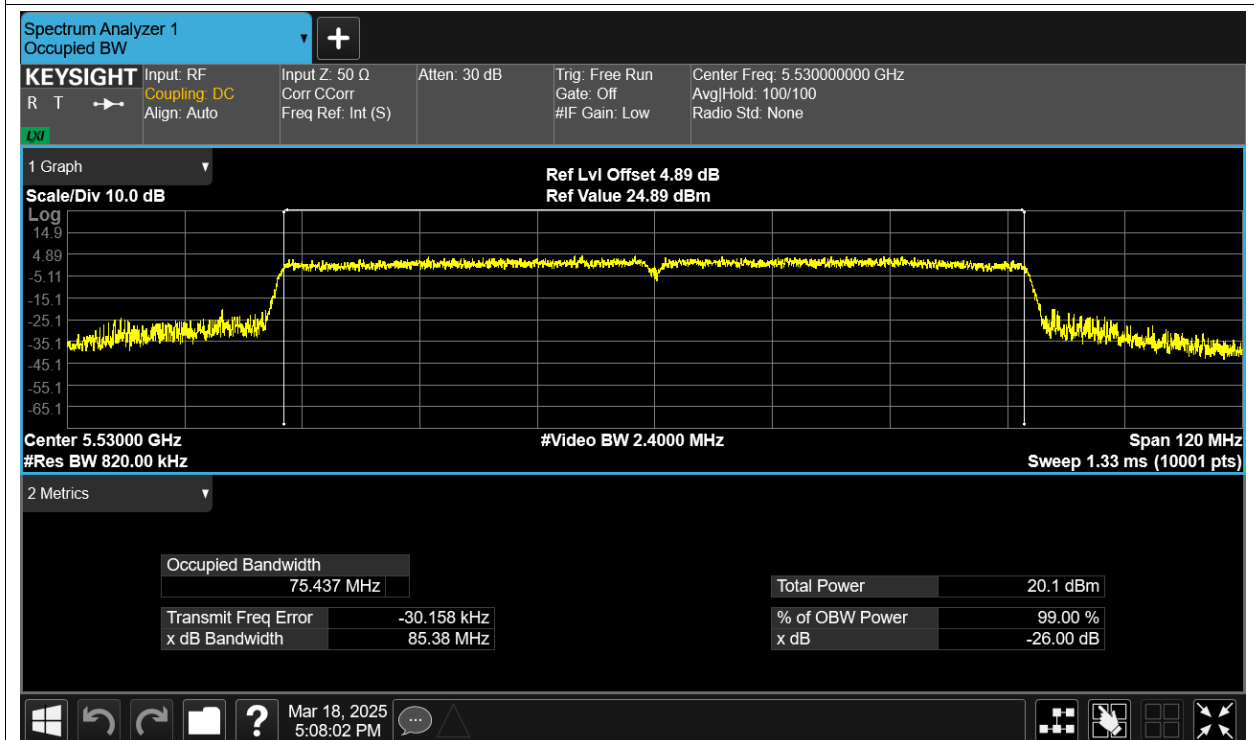
OBW NVNT ac40 5590MHz Ant12



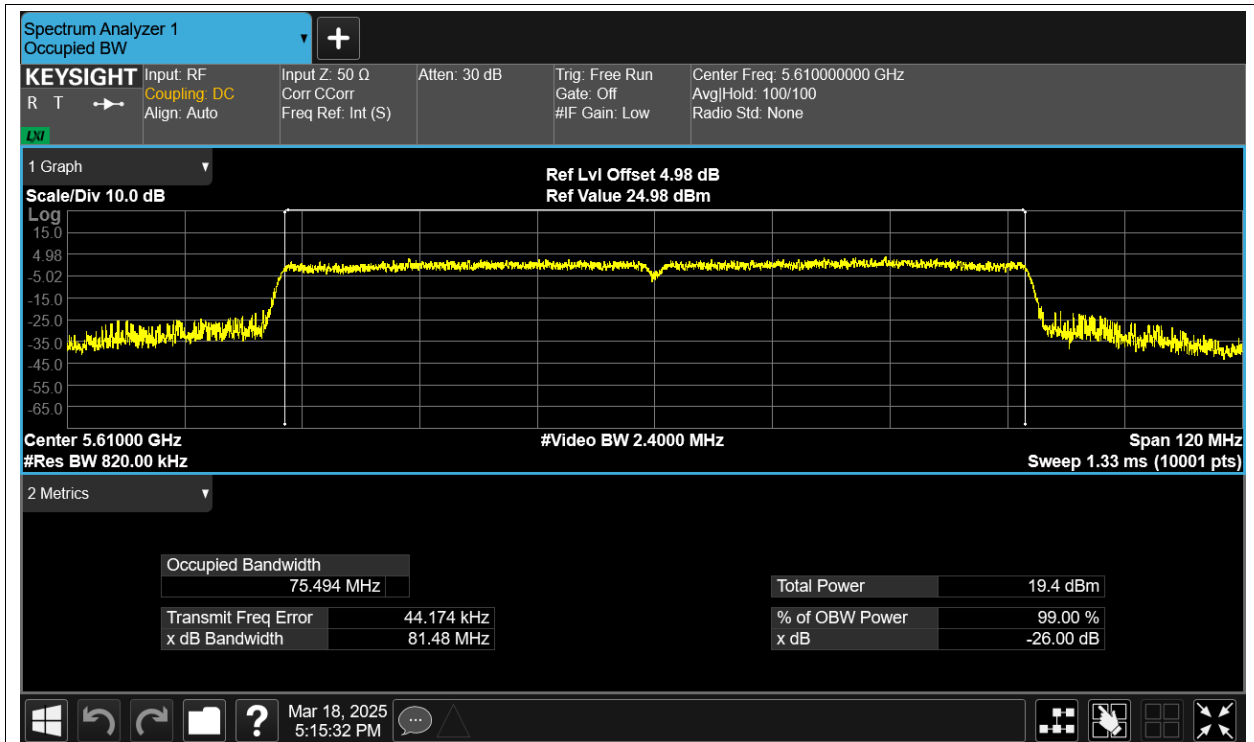
OBW NVNT ac40 5670MHz Ant12



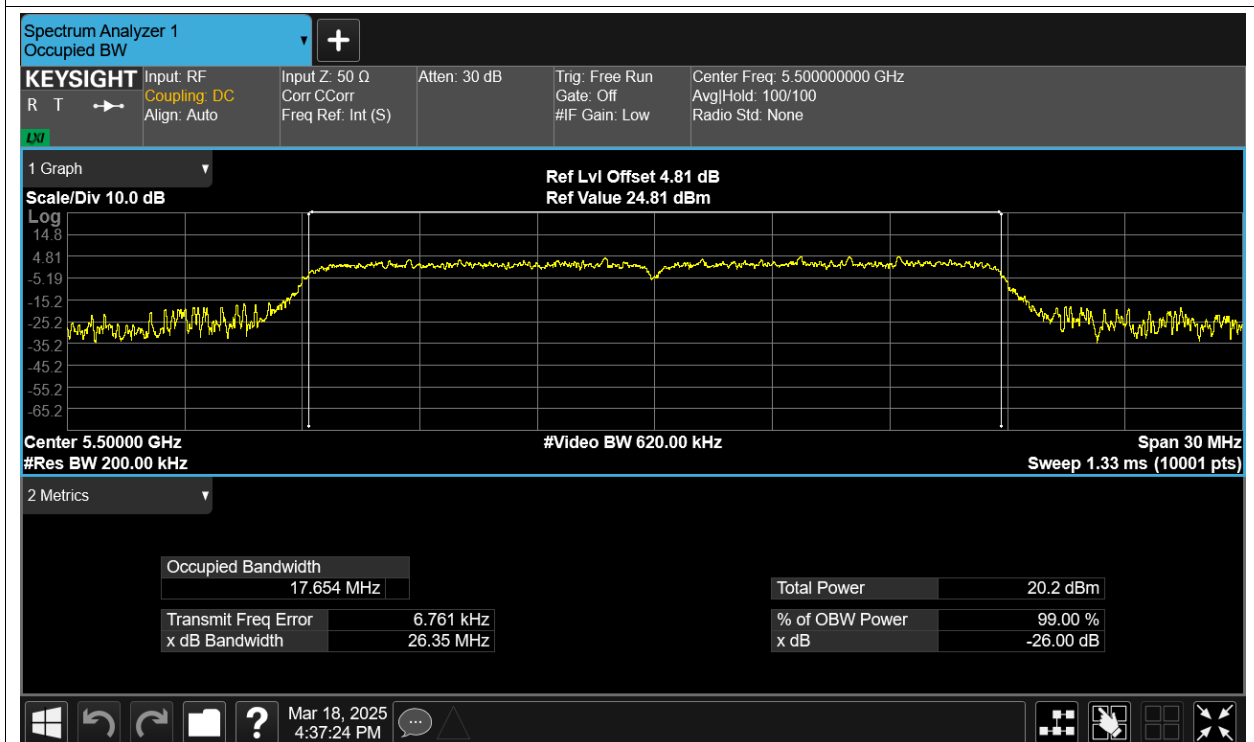
OBW NVNT ac80 5530MHz Ant12



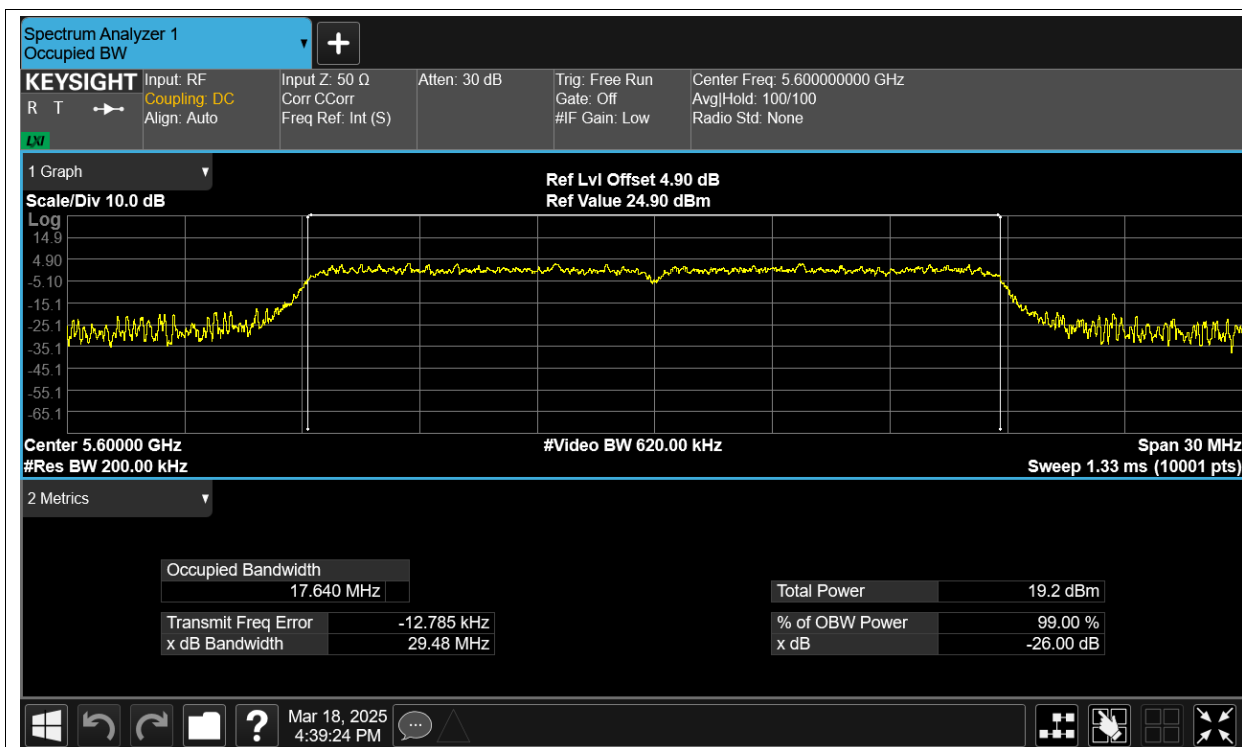
OBW NVNT ac80 5610MHz Ant12



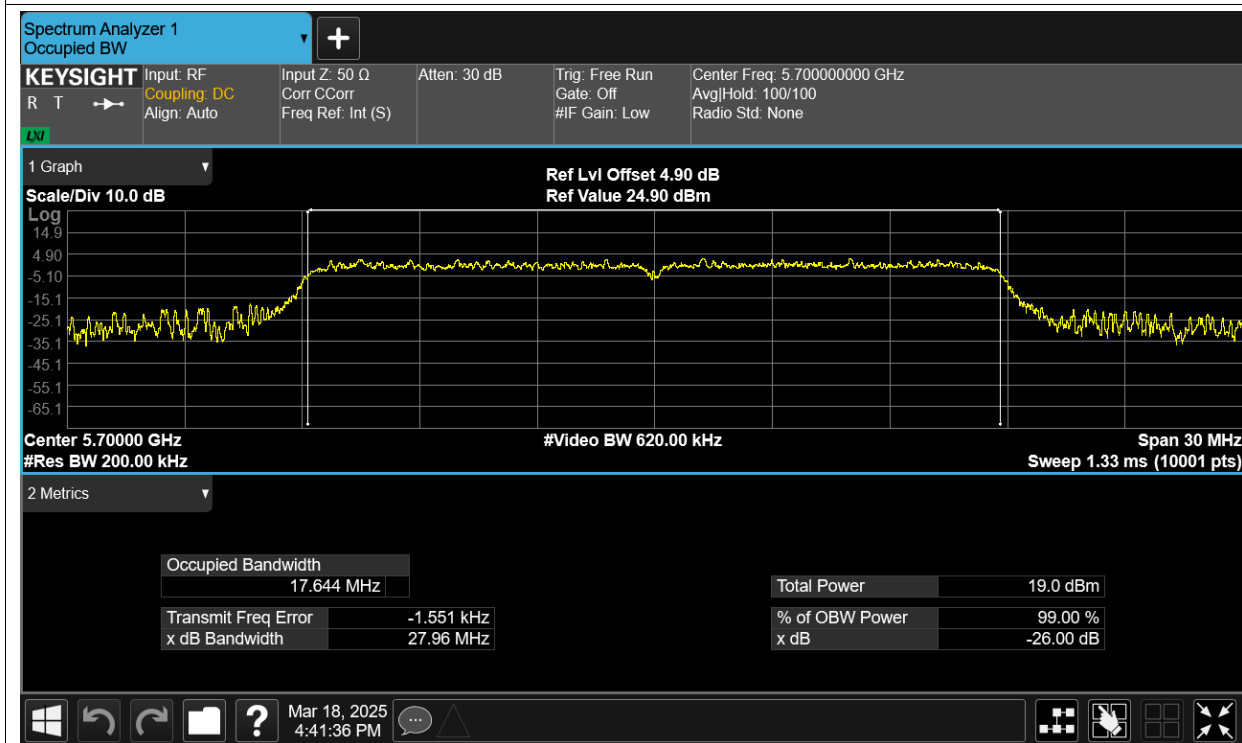
OBW NVNT n20 5500MHz Ant12



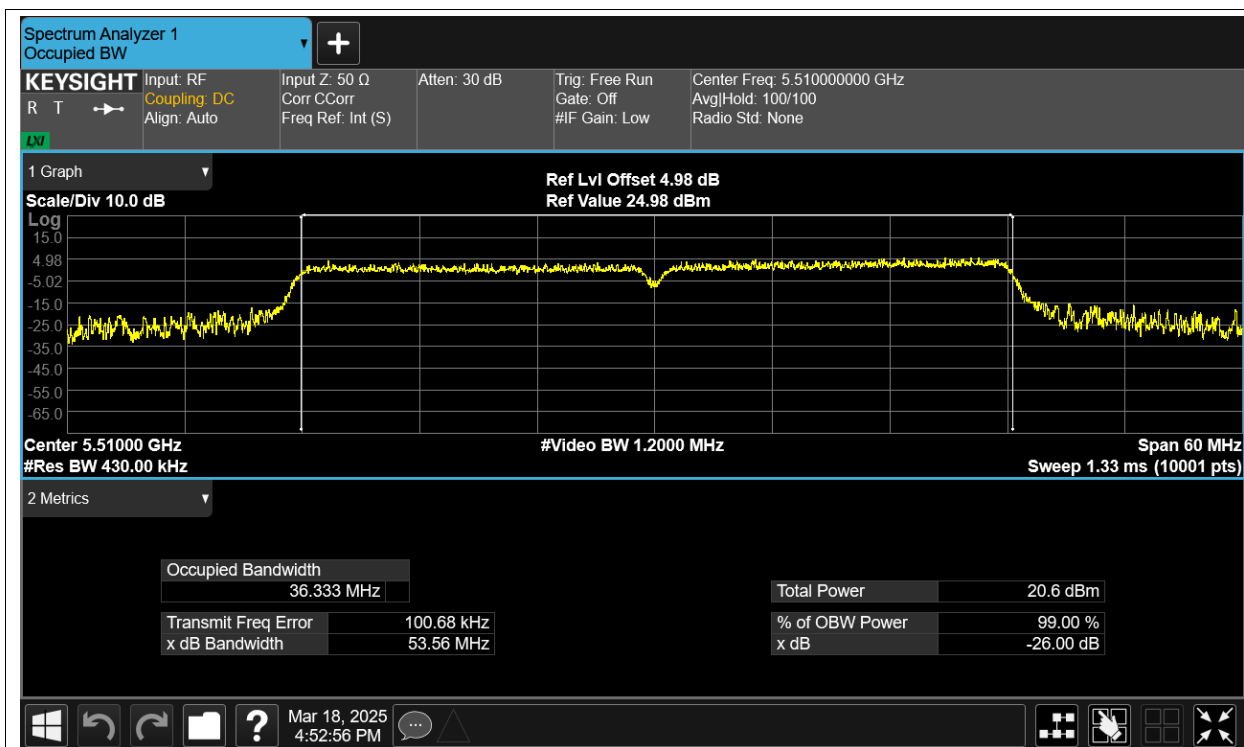
OBW NVNT n20 5600MHz Ant12



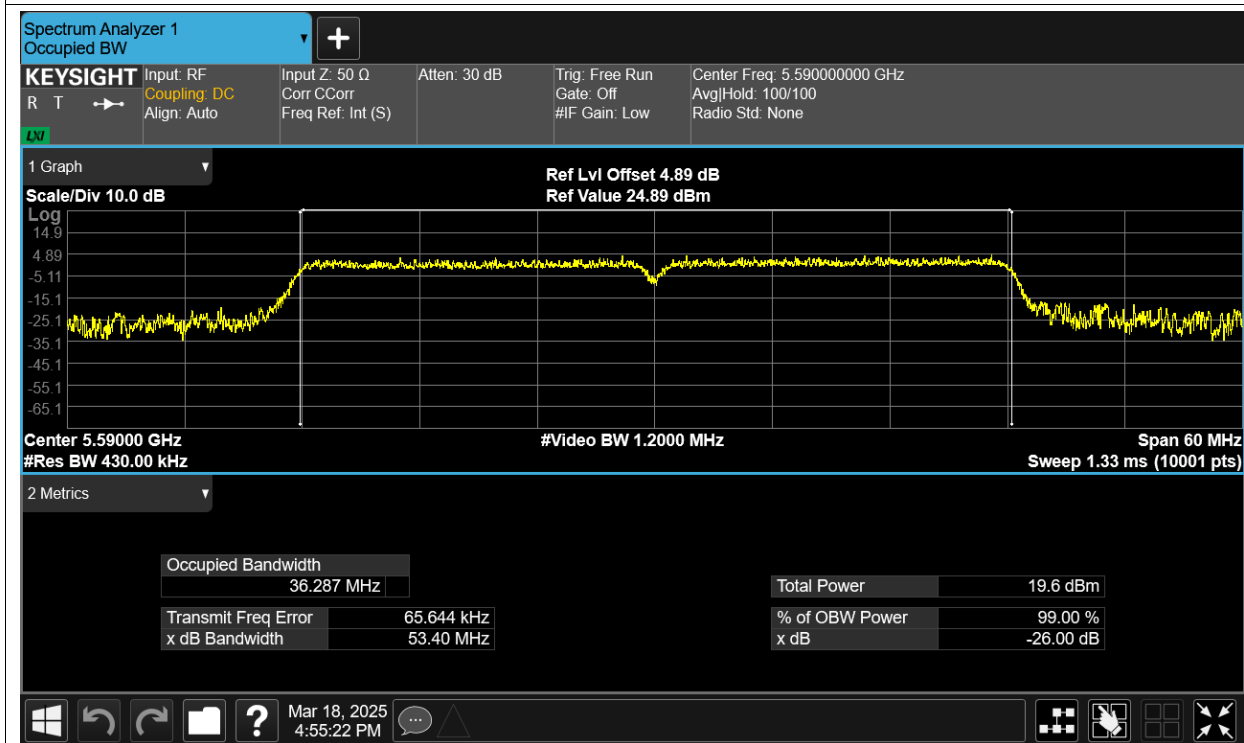
OBW NVNT n20 5700MHz Ant12



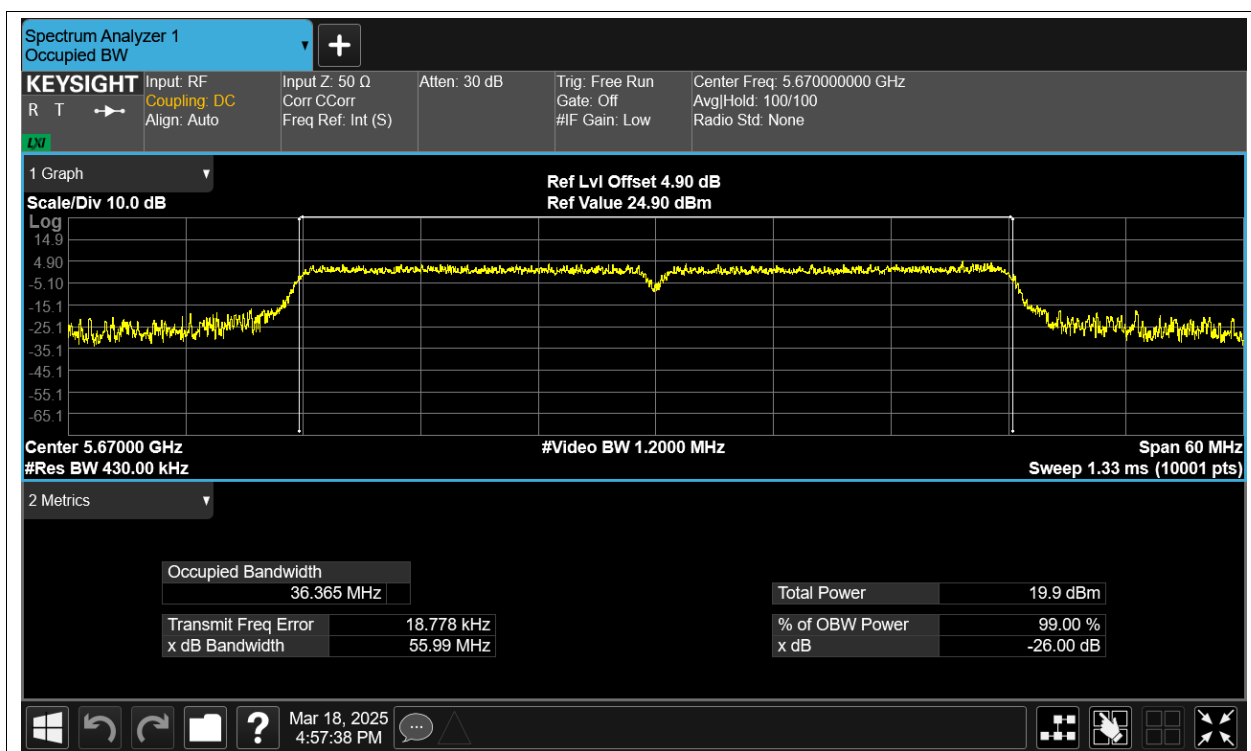
OBW NVNT n40 5510MHz Ant12



OBW NVNT n40 5590MHz Ant12



OBW NVNT n40 5670MHz Ant12

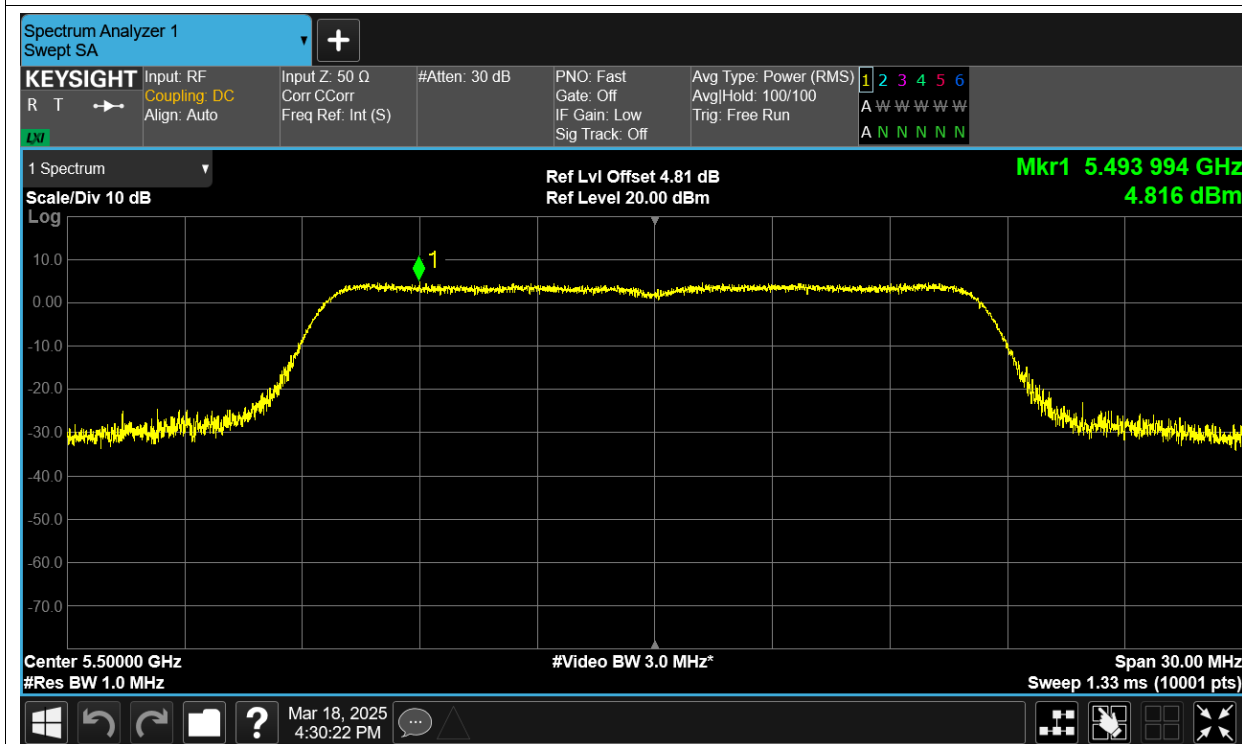


Maximum Power Spectral Density Level

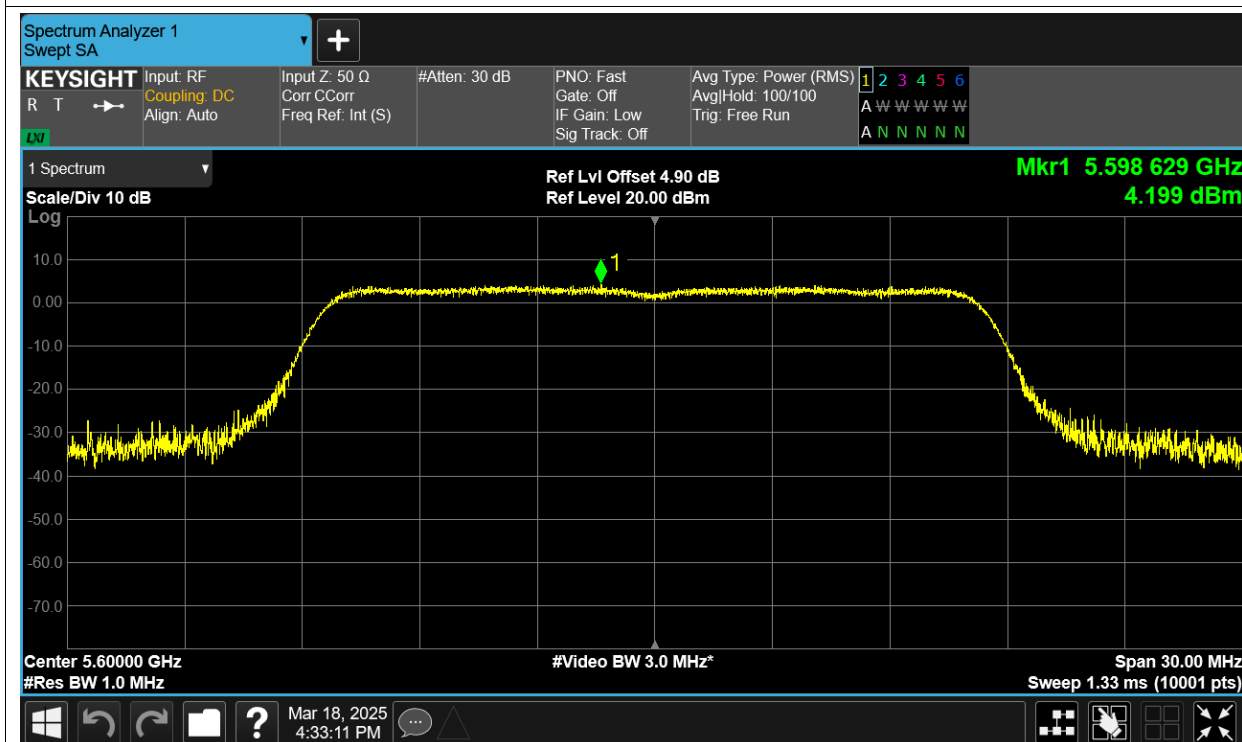
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant12	4.816	11	Pass
NVNT	a	5600	Ant12	4.199	11	Pass
NVNT	a	5700	Ant12	4.13	11	Pass
NVNT	ac20	5500	Ant12	4.426	11	Pass
NVNT	ac20	5600	Ant12	3.061	11	Pass
NVNT	ac20	5700	Ant12	2.424	11	Pass
NVNT	ac40	5510	Ant12	0.739	11	Pass
NVNT	ac40	5590	Ant12	-0.341	11	Pass
NVNT	ac40	5670	Ant12	-0.114	11	Pass
NVNT	ac80	5530	Ant12	-4.524	11	Pass
NVNT	ac80	5610	Ant12	-4.845	11	Pass
NVNT	n20	5500	Ant12	3.681	11	Pass
NVNT	n20	5600	Ant12	2.487	11	Pass
NVNT	n20	5700	Ant12	2.633	11	Pass
NVNT	n40	5510	Ant12	1.773	11	Pass
NVNT	n40	5590	Ant12	-0.032	11	Pass
NVNT	n40	5670	Ant12	0.16	11	Pass

Test Graphs

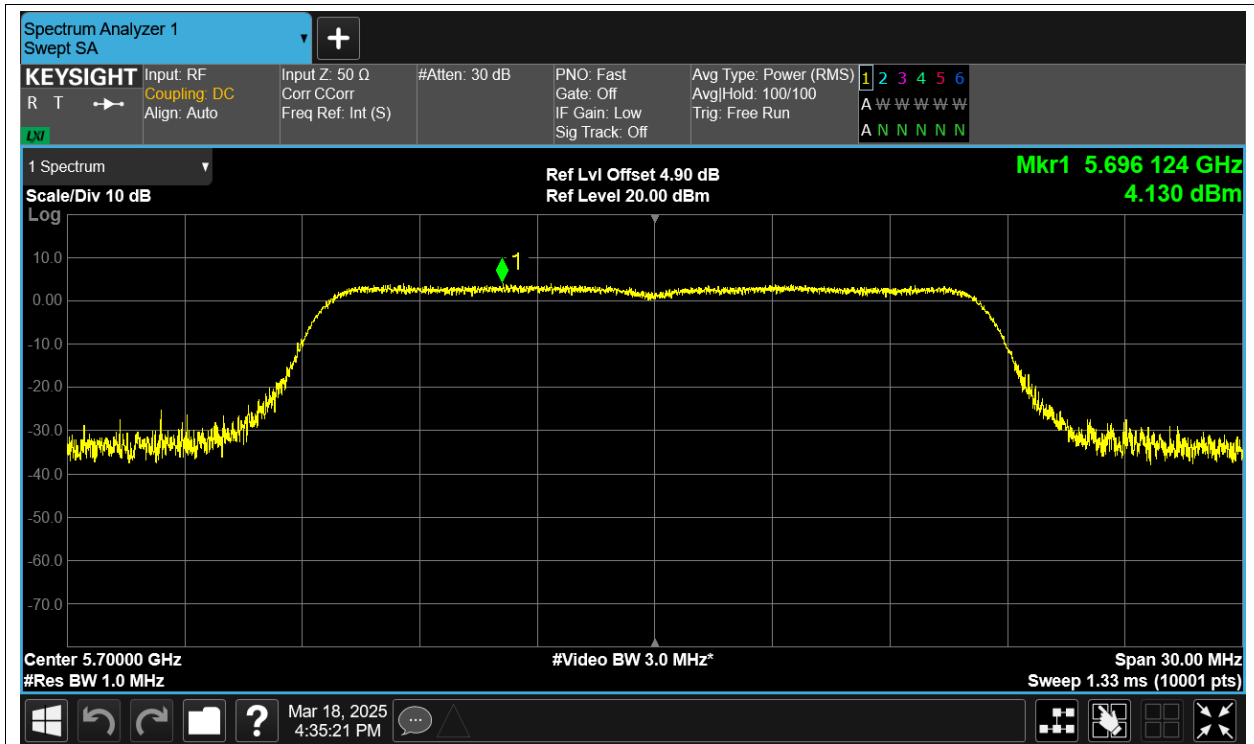
PSD NVNT a 5500MHz Ant12



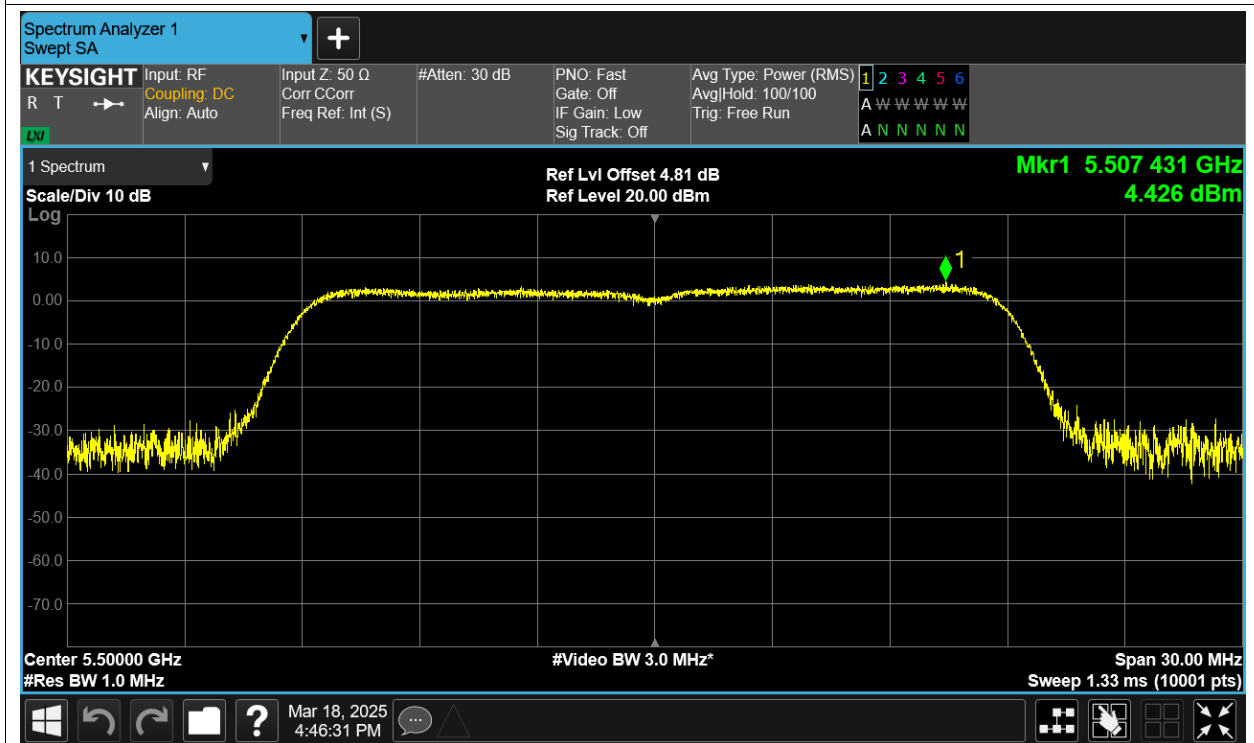
PSD NVNT a 5600MHz Ant12



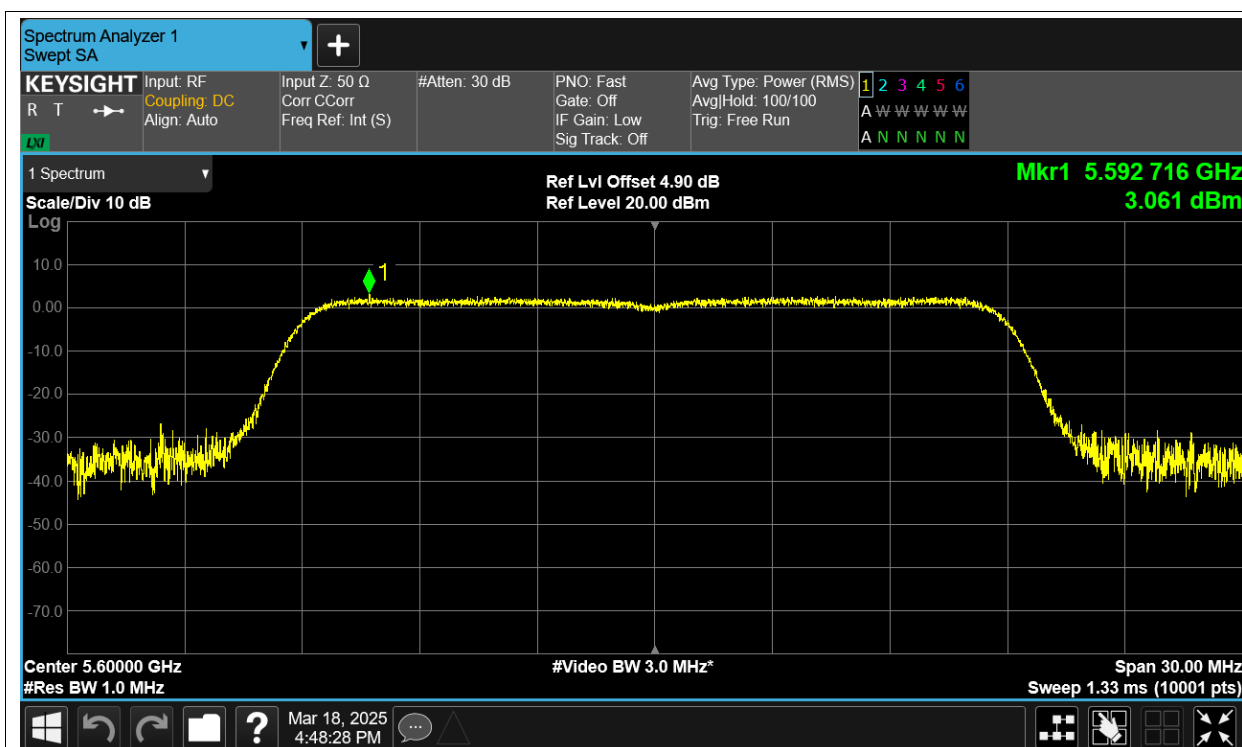
PSD NVNT a 5700MHz Ant12



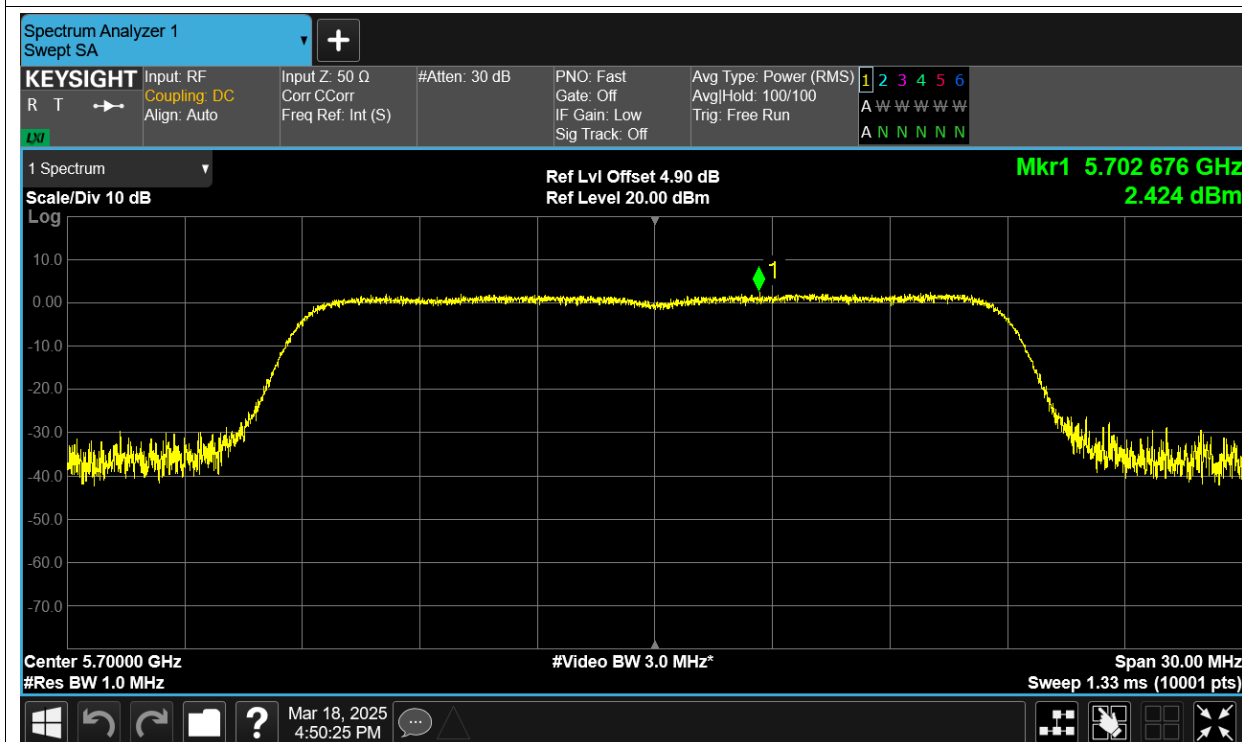
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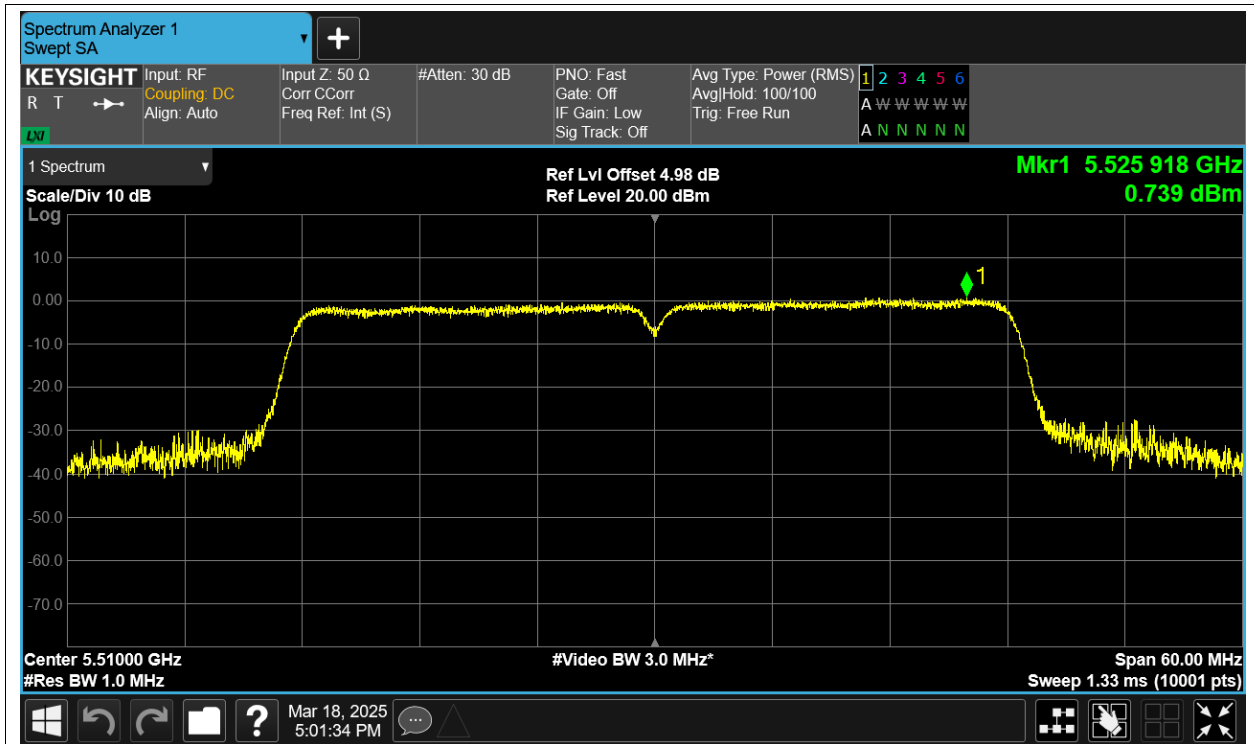
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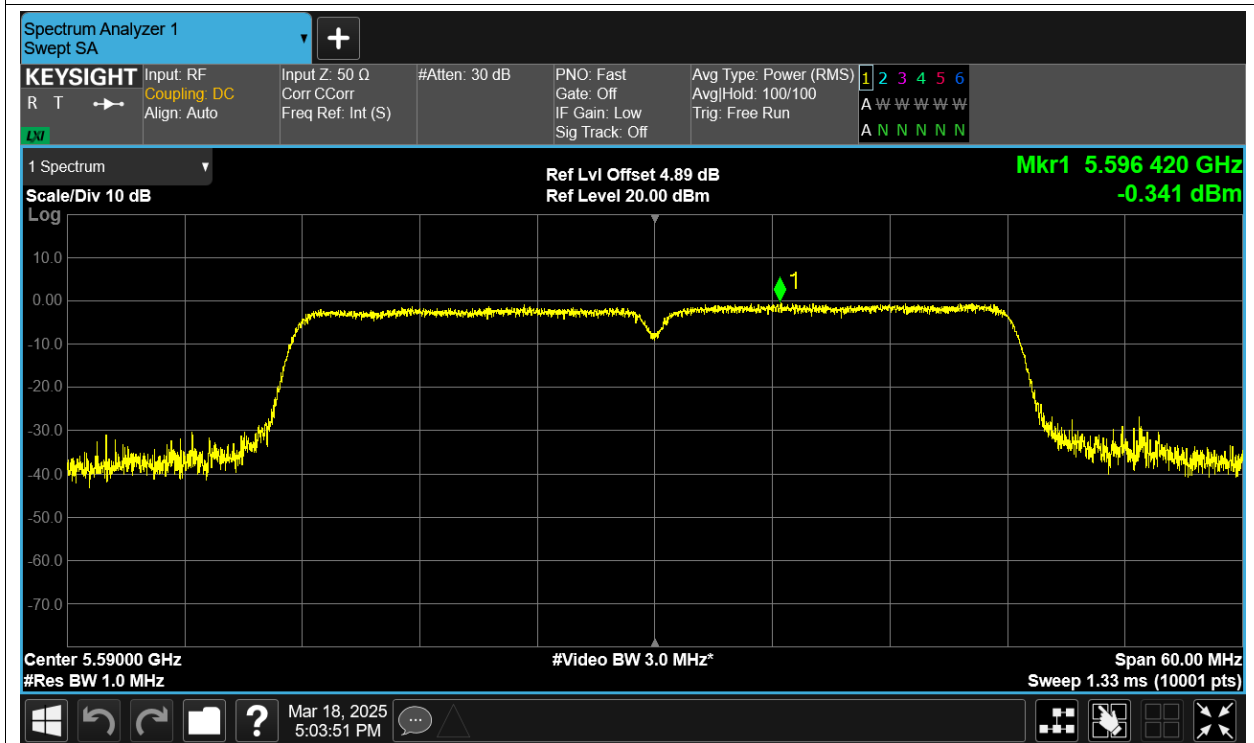
PSD NVNT ac20 5700MHz Ant12



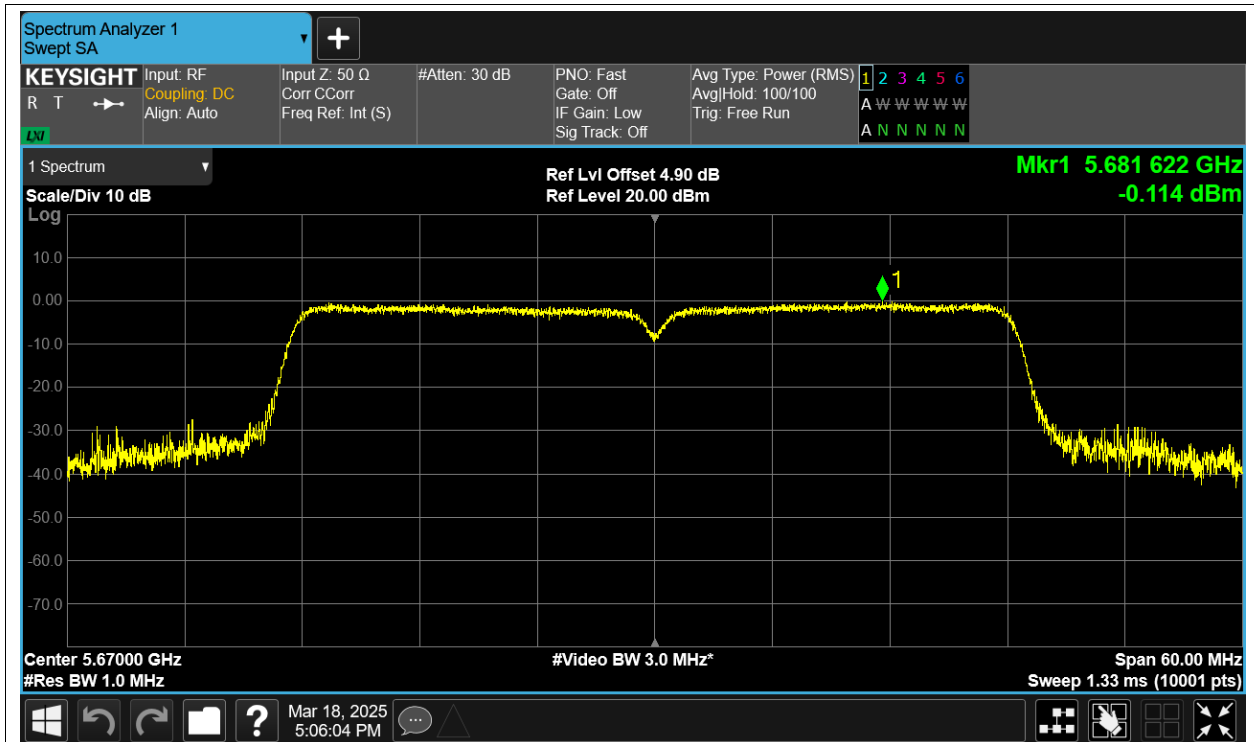
PSD NVNT ac40 5510MHz Ant12



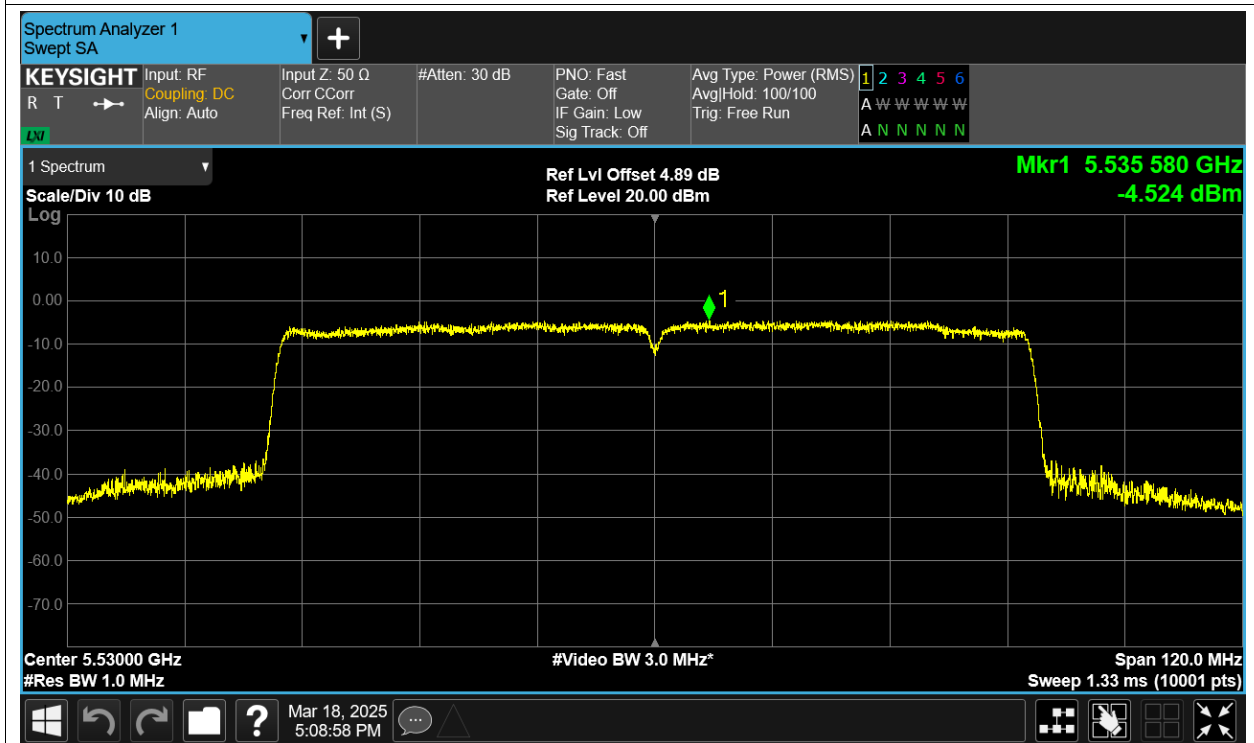
PSD NVNT ac40 5590MHz Ant12



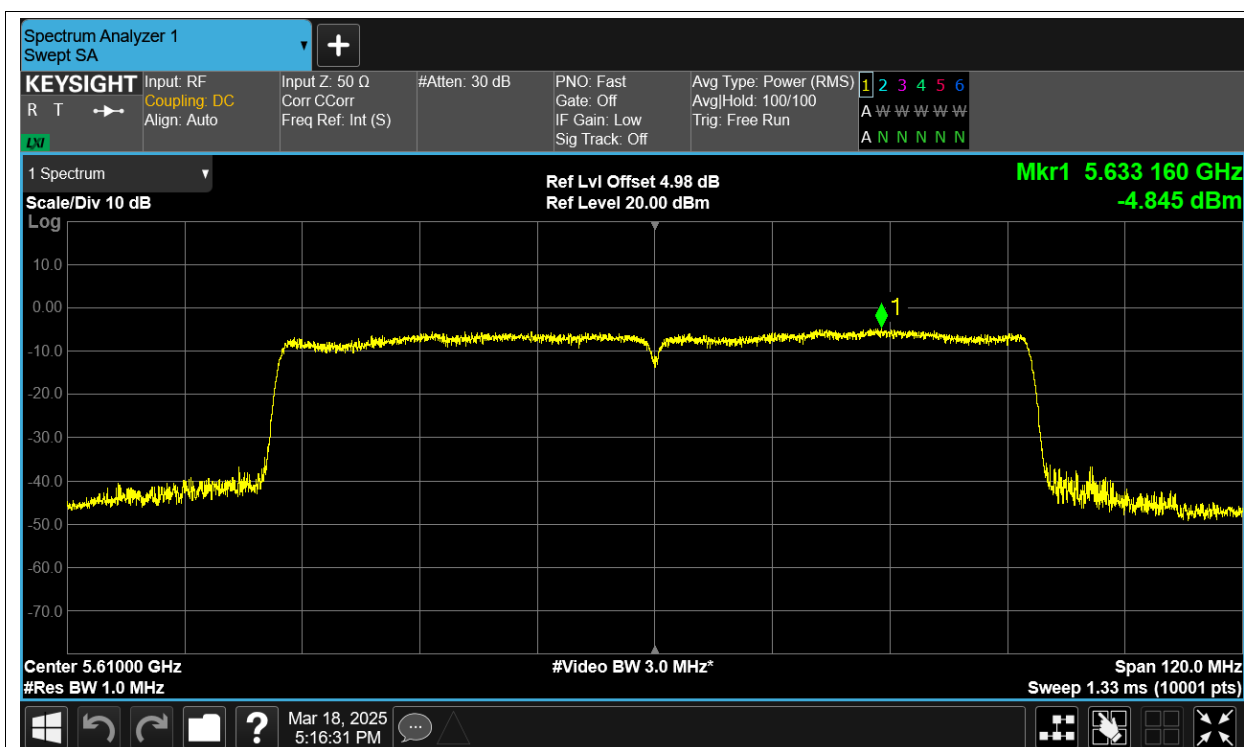
PSD NVNT ac40 5670MHz Ant12



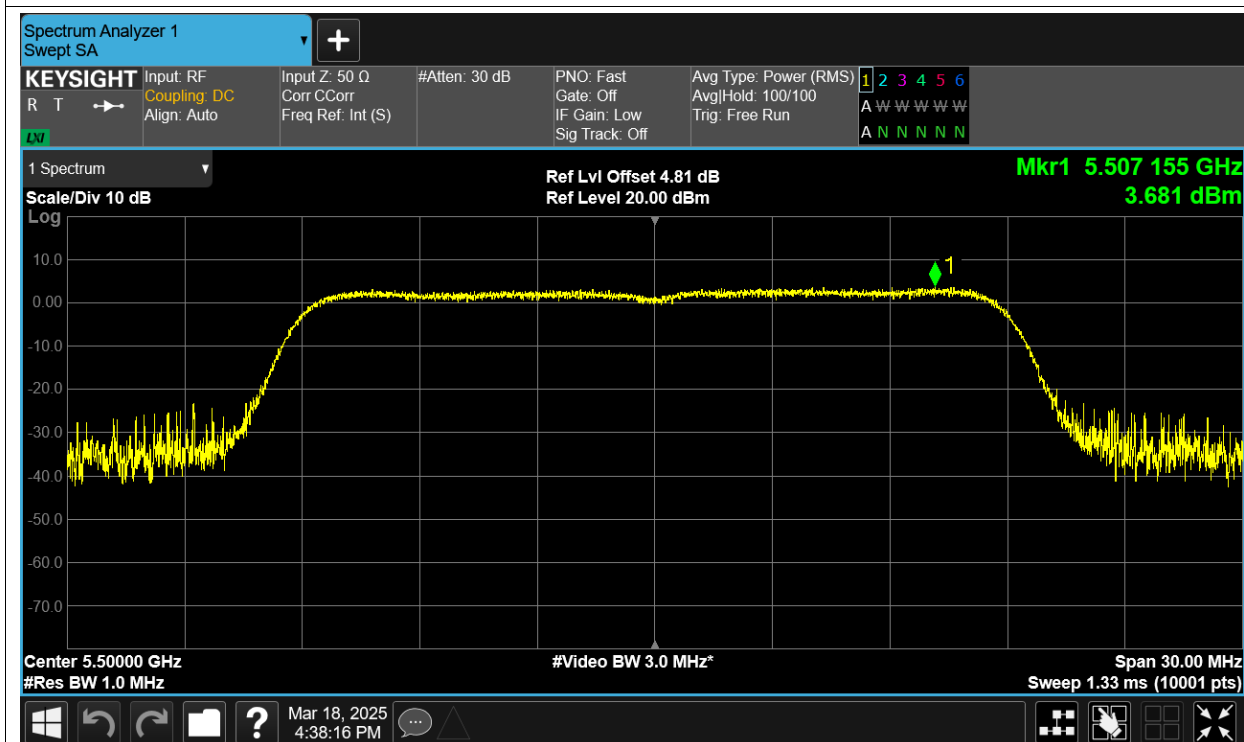
PSD NVNT ac80 5530MHz Ant12



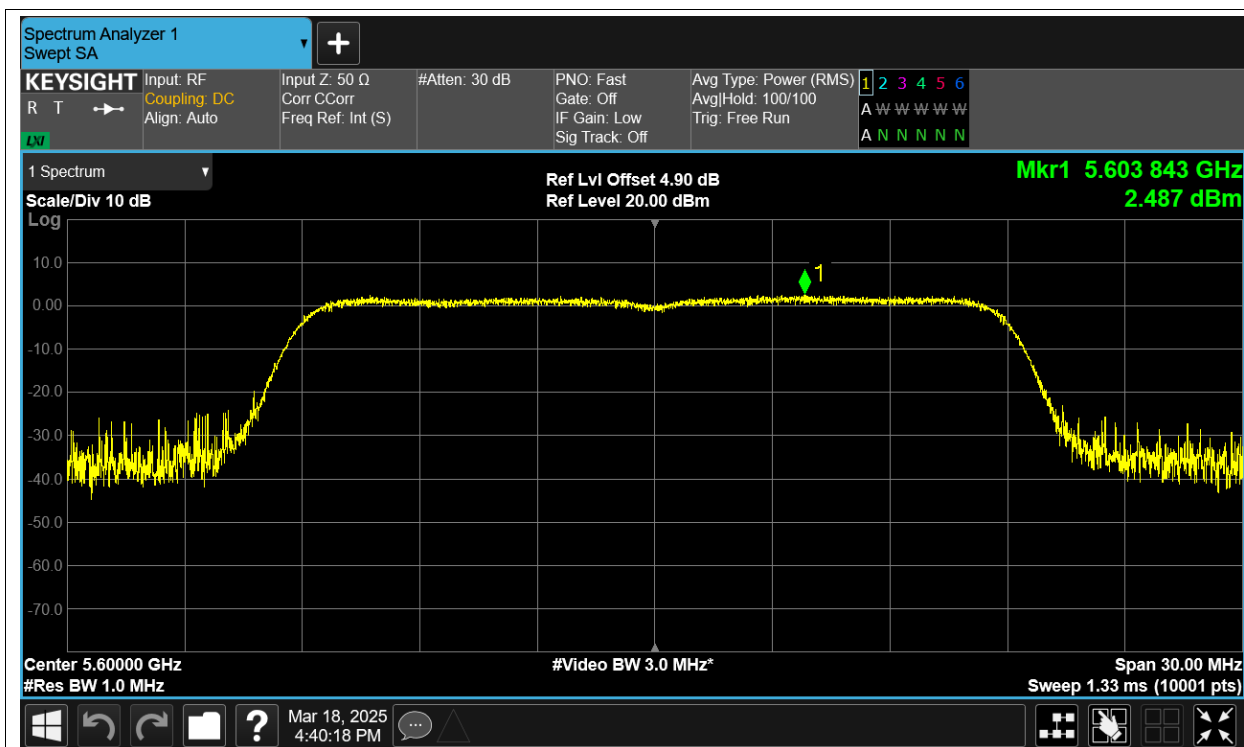
PSD NVNT ac80 5610MHz Ant12



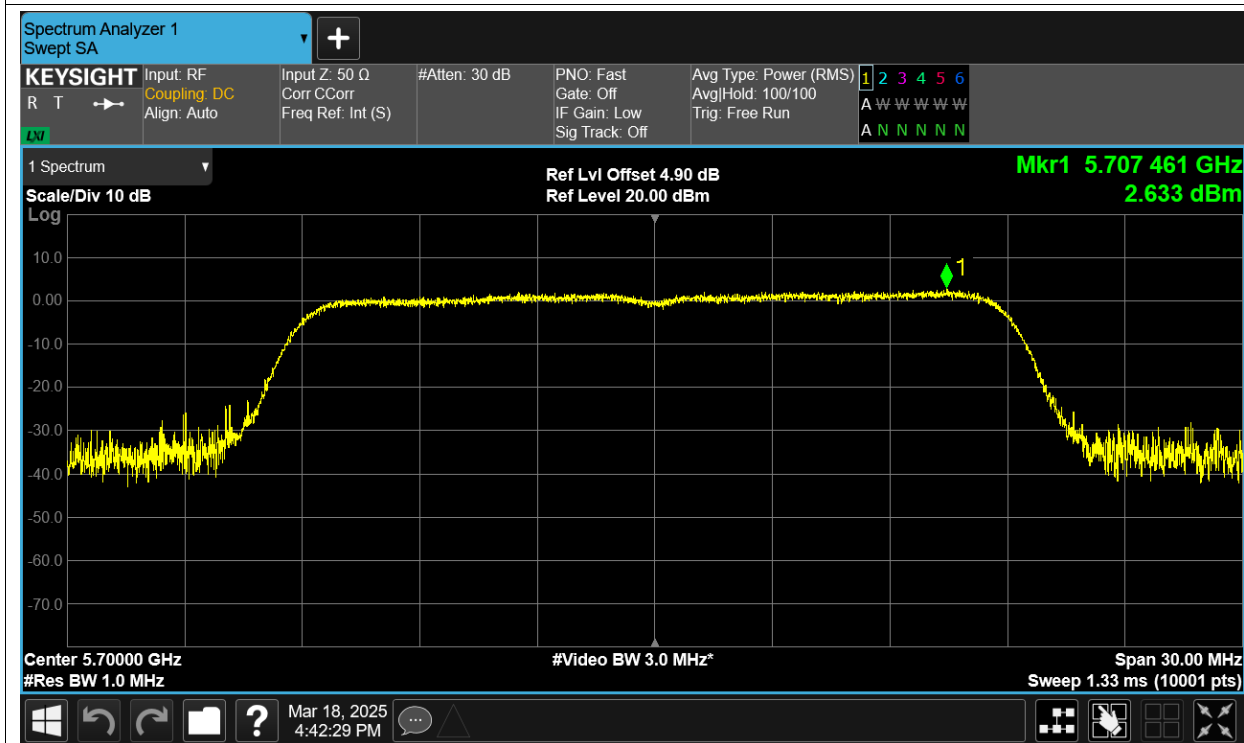
PSD NVNT n20 5500MHz Ant12



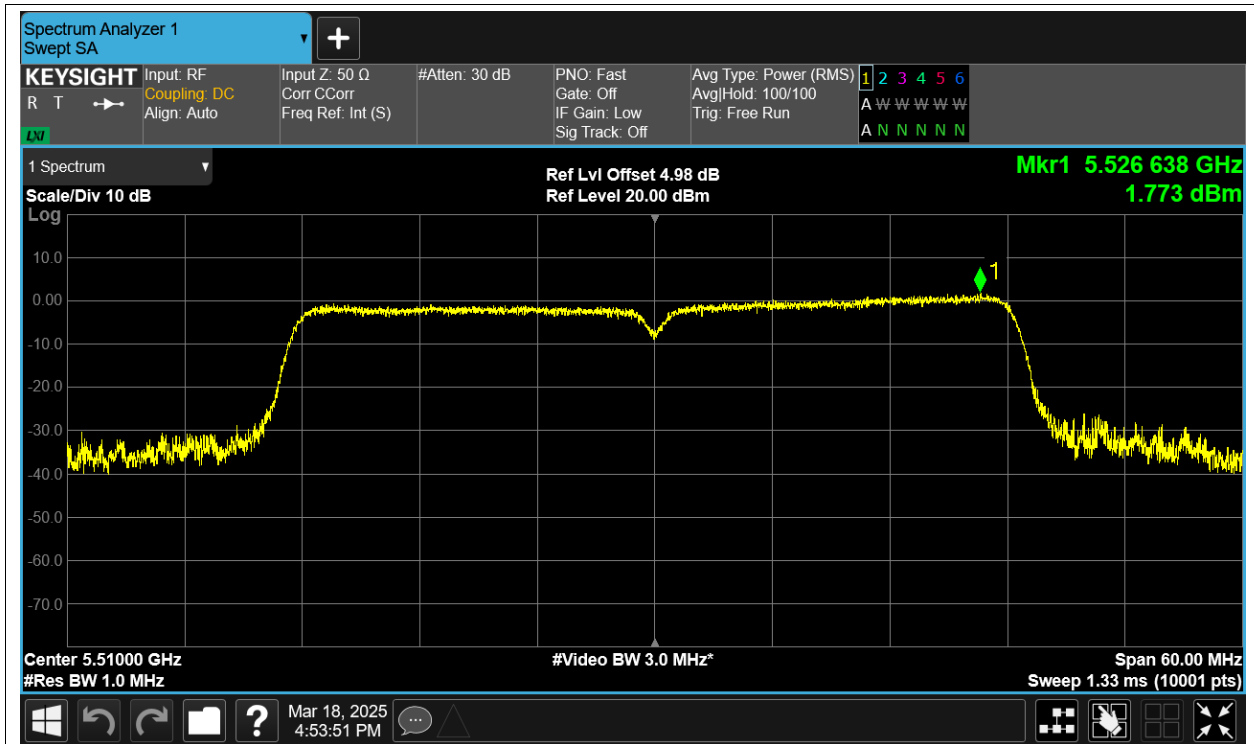
PSD NVNT n20 5600MHz Ant12



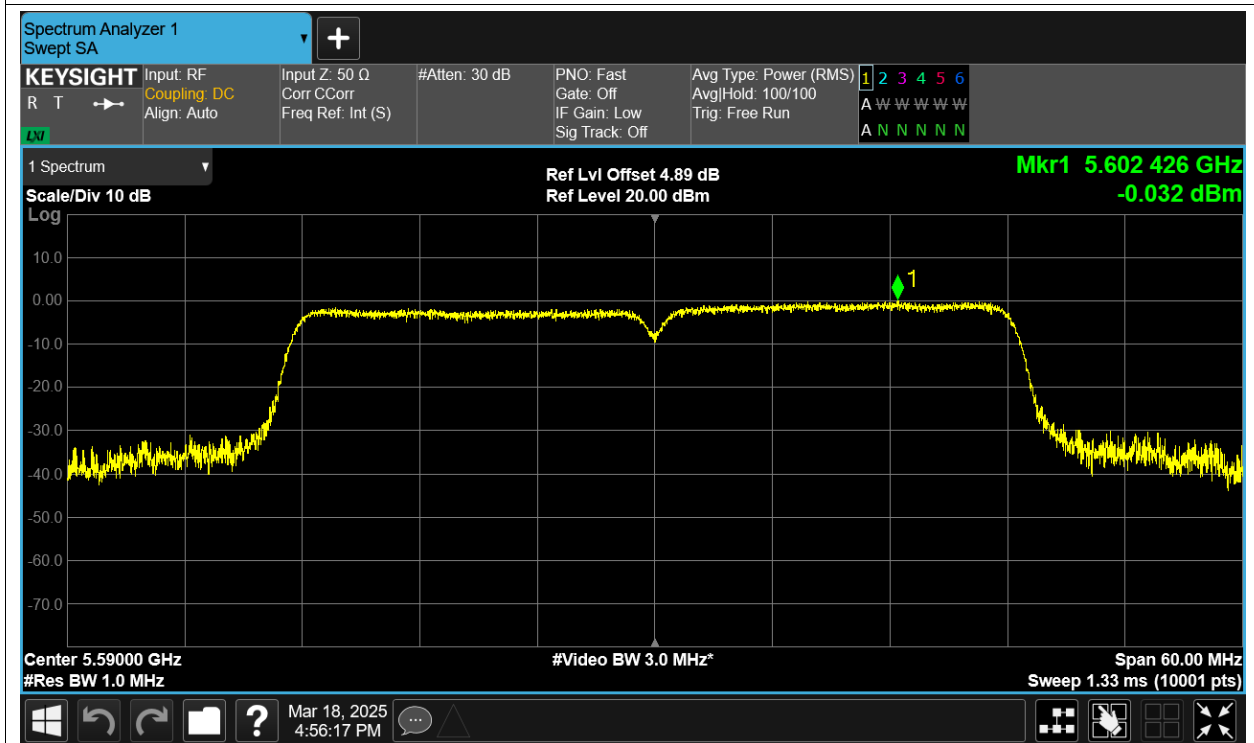
PSD NVNT n20 5700MHz Ant12



PSD NVNT n40 5510MHz Ant12



PSD NVNT n40 5590MHz Ant12



PSD NVNT n40 5670MHz Ant12

