

## Test Data

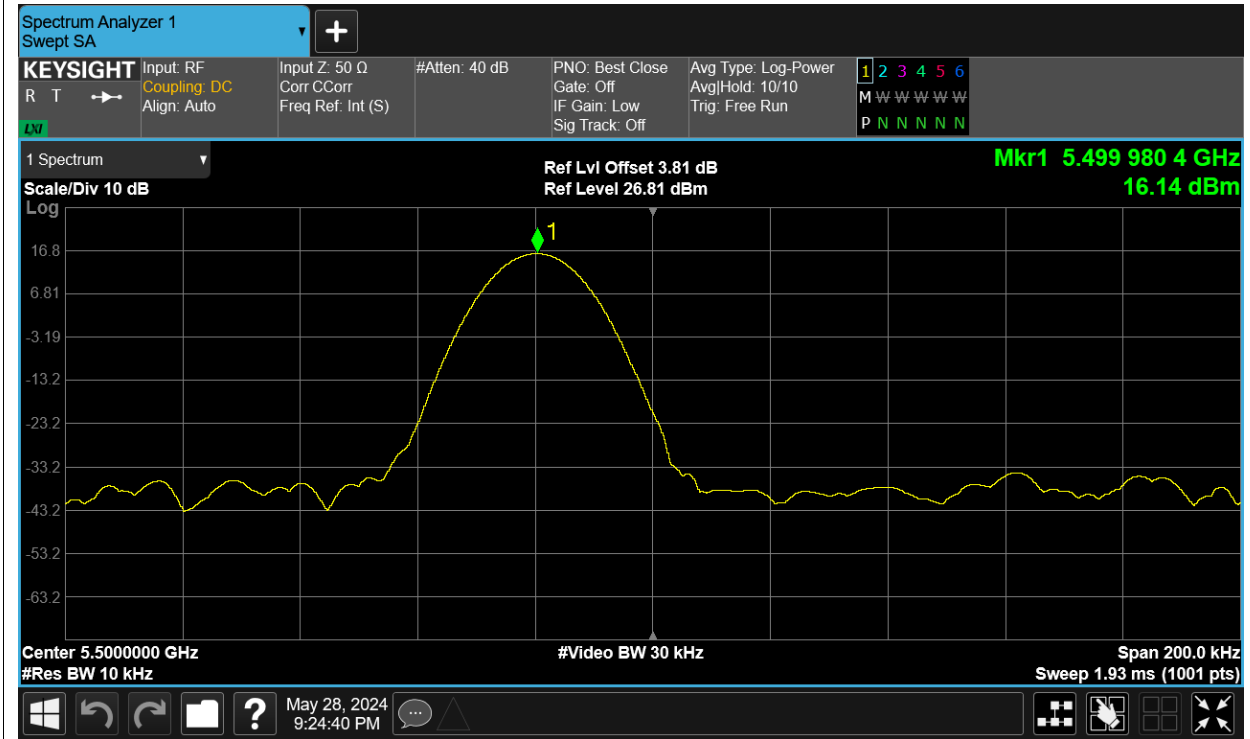
### Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5500	Ant12	5499.9804	-3.56	Within authorized band	Pass
LVNT	a	5500	Ant12	5499.9802	-3.6		Pass
NVHT	a	5500	Ant12	5499.9802	-3.6		Pass
NVLT	a	5500	Ant12	5499.9802	-3.6		Pass
NVNT	a	5500	Ant12	5499.9806	-3.53		Pass
HVNT	ac80	5530	Ant12	5529.9814	-3.36		Pass
LVNT	ac80	5530	Ant12	5529.9812	-3.4		Pass
NVHT	ac80	5530	Ant12	5529.9814	-3.36		Pass
NVLT	ac80	5530	Ant12	5529.9818	-3.29		Pass
NVNT	ac80	5530	Ant12	5529.9824	-3.18		Pass
HVNT	n40	5510	Ant12	5509.9802	-3.59		Pass
LVNT	n40	5510	Ant12	5509.9804	-3.56		Pass
NVHT	n40	5510	Ant12	5509.9806	-3.52		Pass
NVLT	n40	5510	Ant12	5509.981	-3.45		Pass
NVNT	n40	5510	Ant12	5509.9816	-3.34		Pass

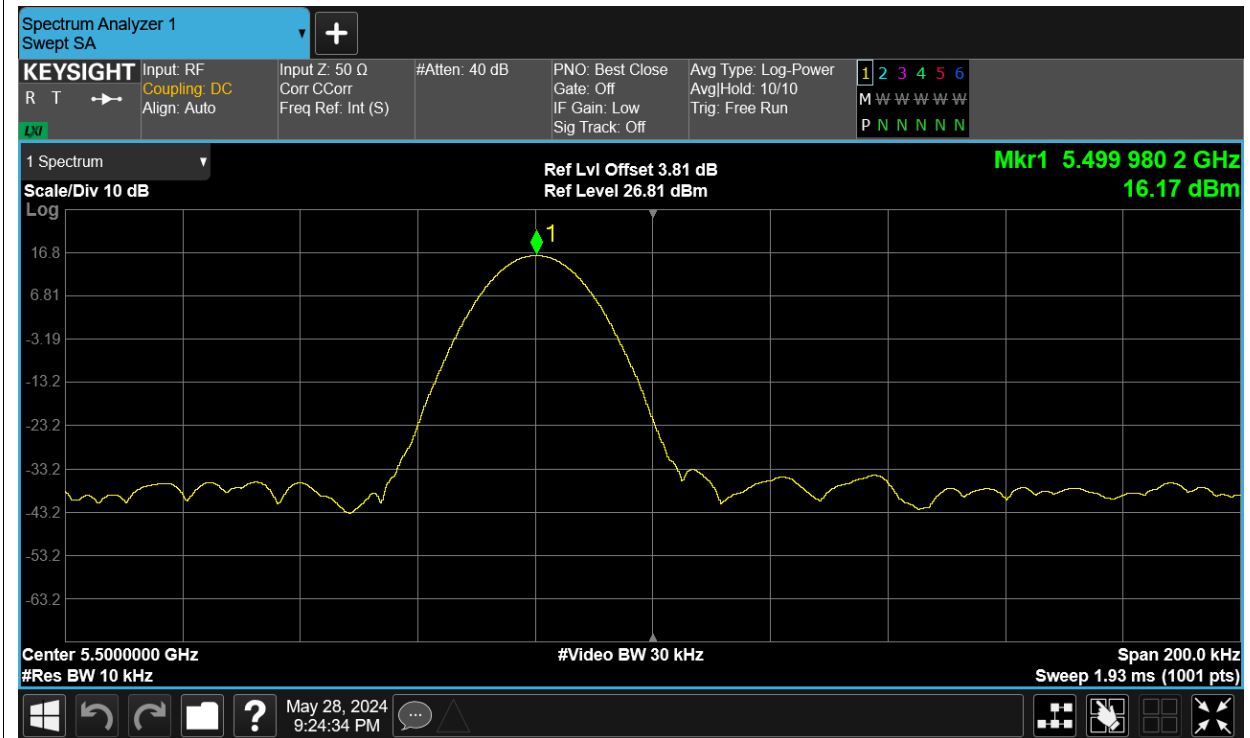
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

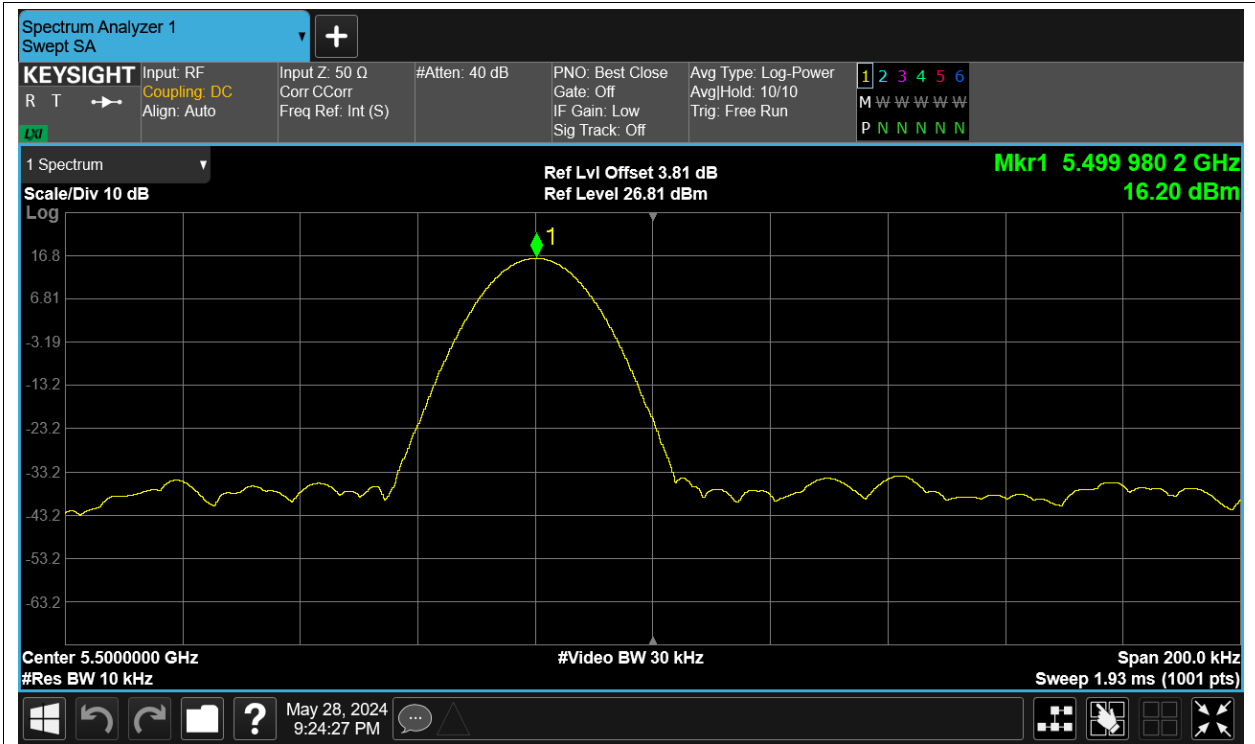
Freq. Stability HVNT a 5500MHz Ant12



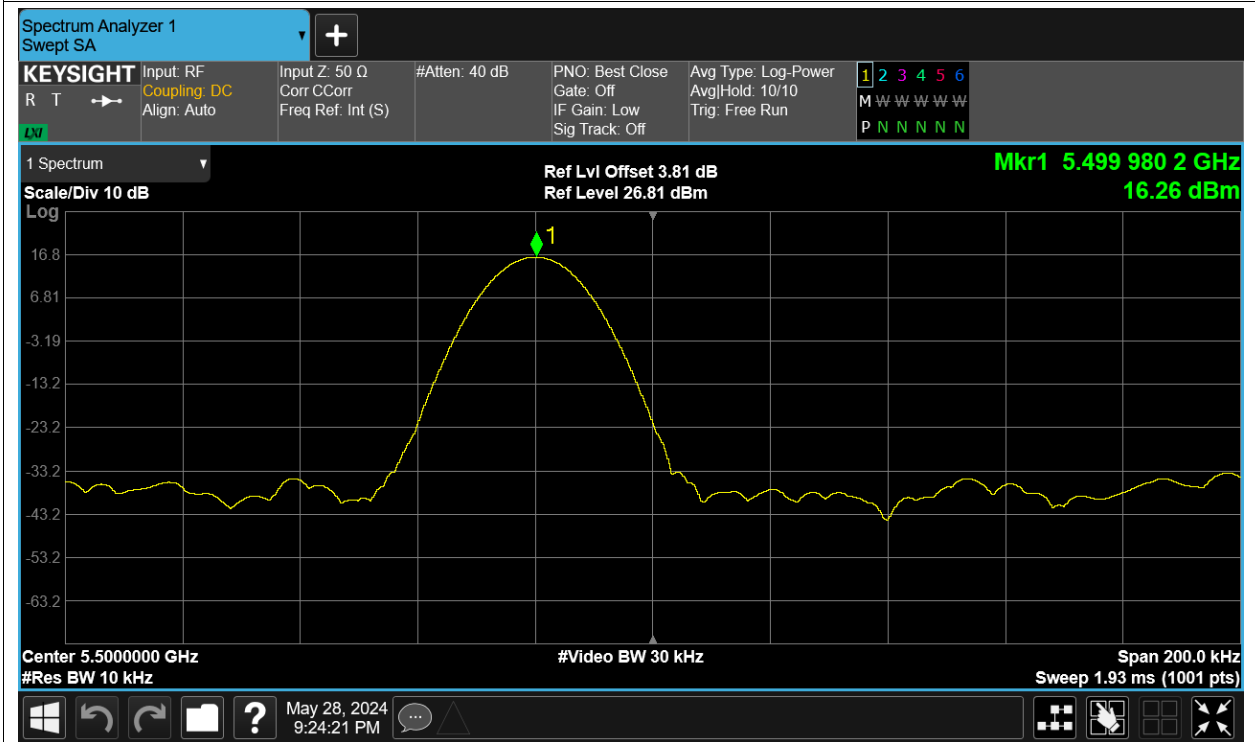
Freq. Stability LVNT a 5500MHz Ant12



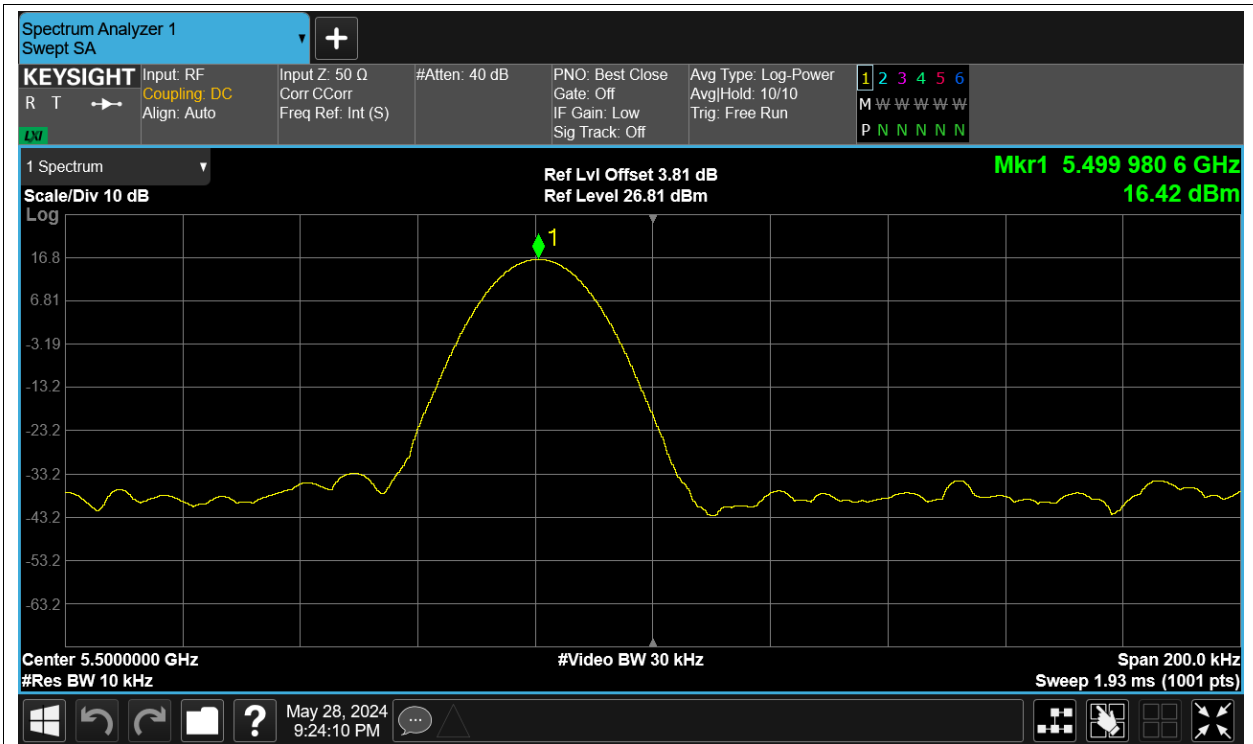
Freq. Stability NVHT a 5500MHz Ant12



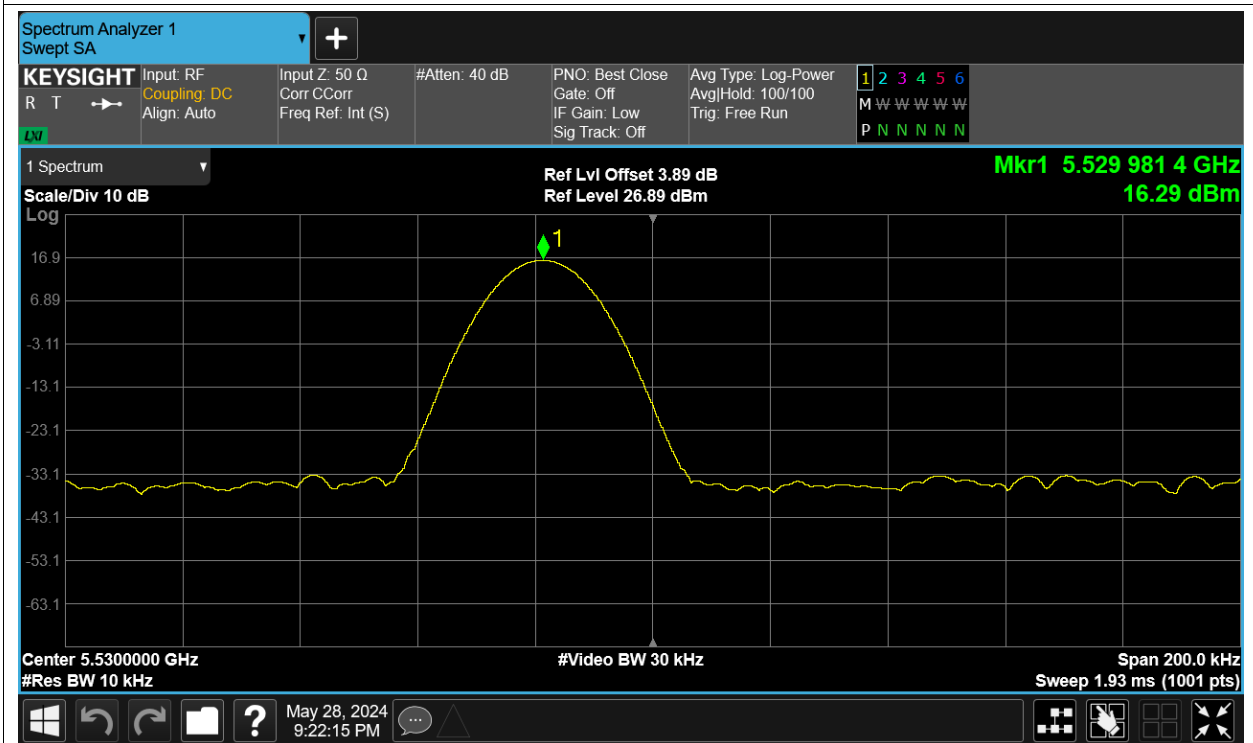
Freq. Stability NVLT a 5500MHz Ant12



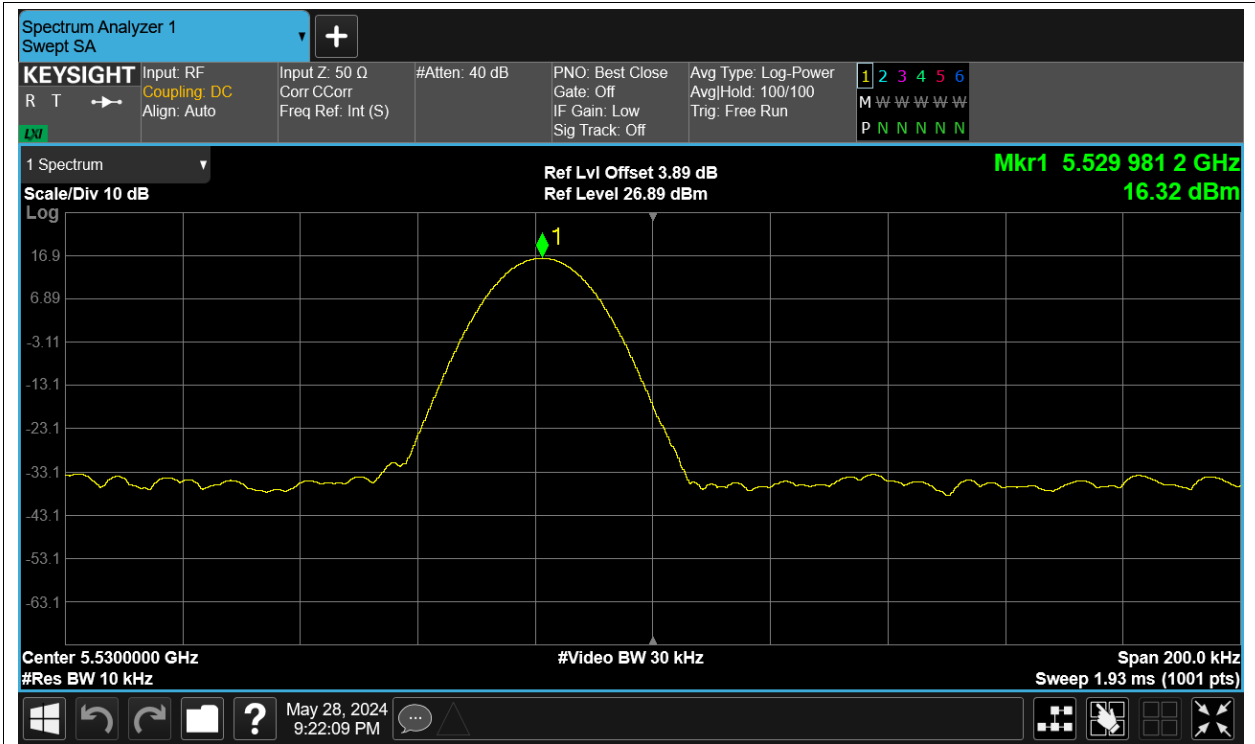
Freq. Stability NVNT a 5500MHz Ant12



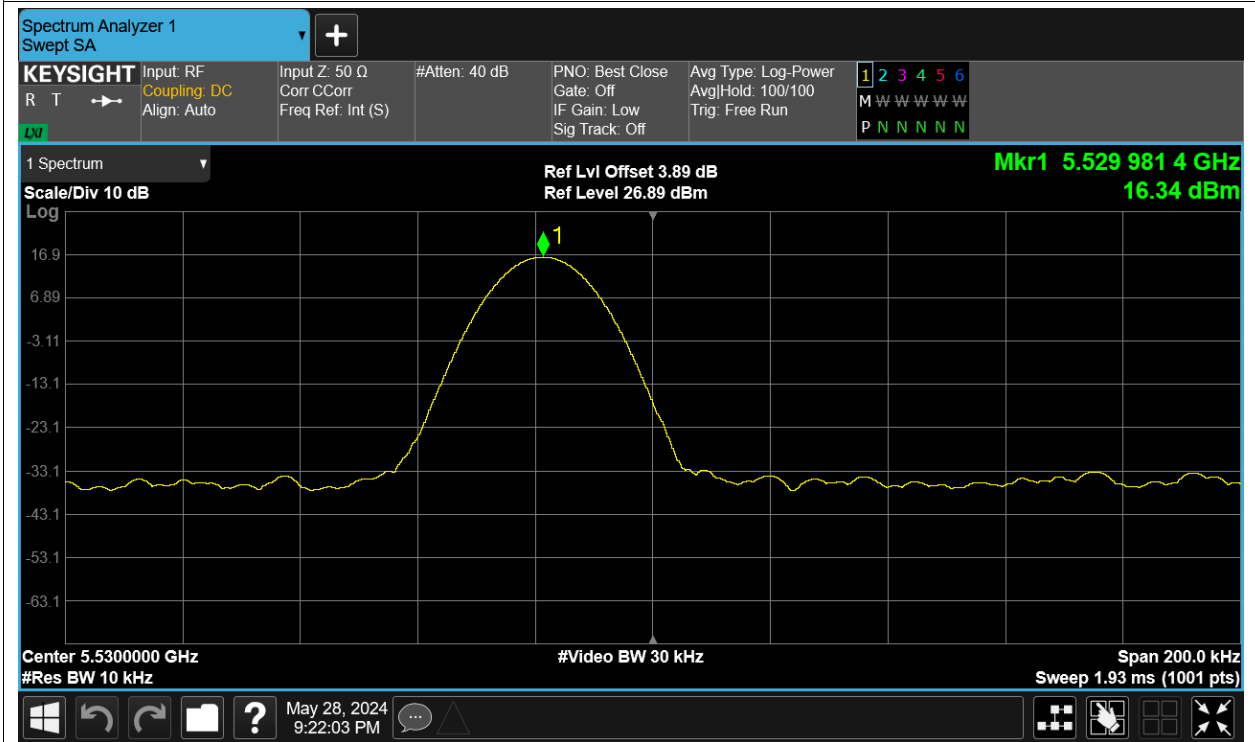
Freq. Stability HVNT ac80 5530MHz Ant12



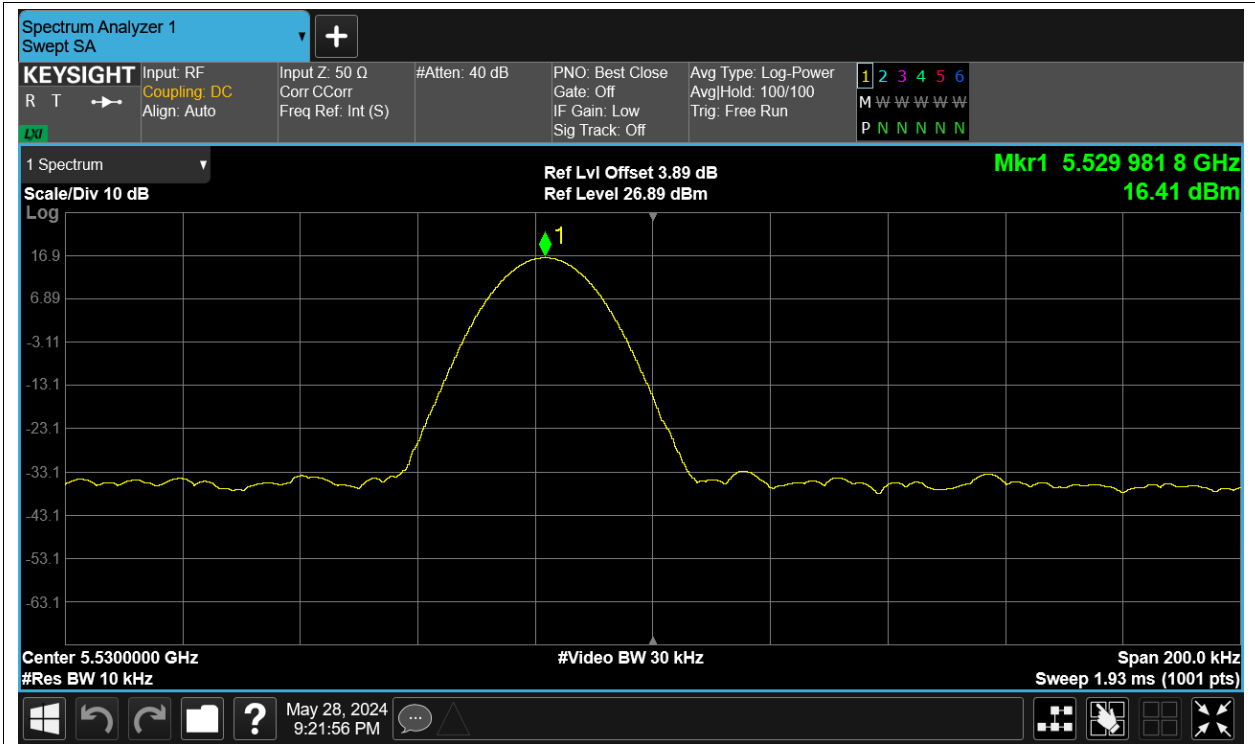
Freq. Stability LVNT ac80 5530MHz Ant12



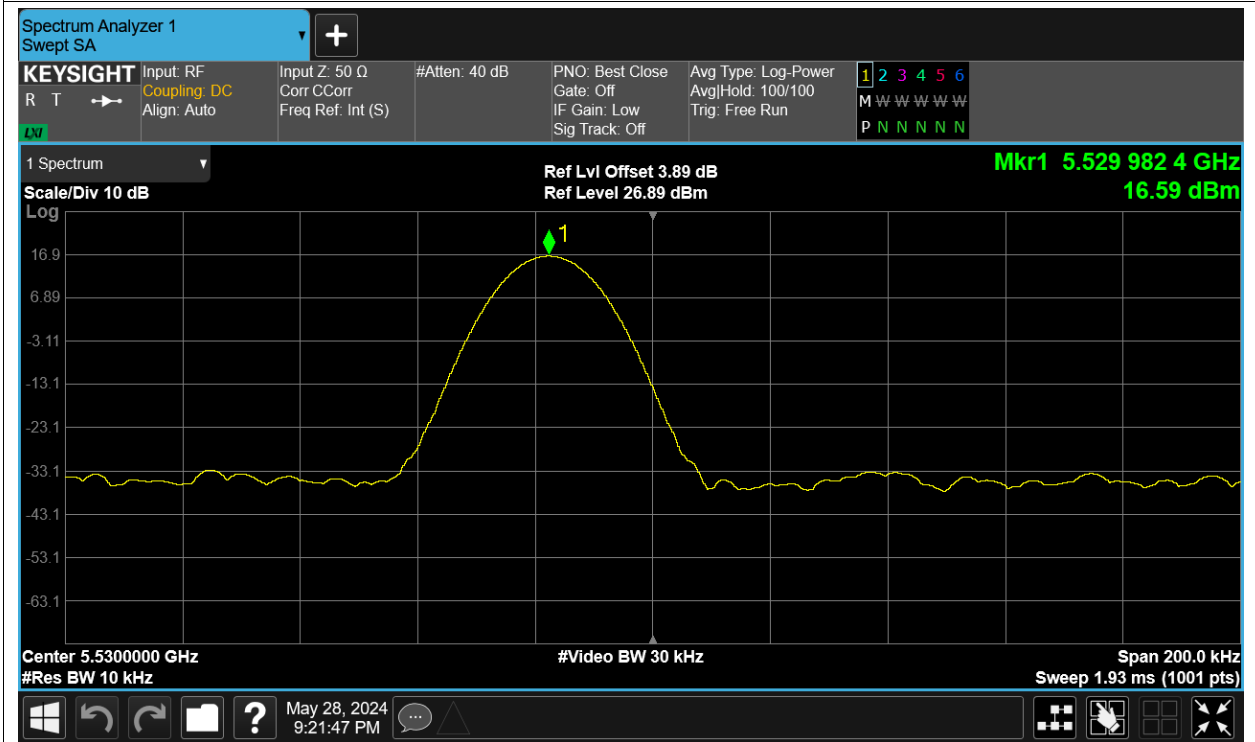
Freq. Stability NVHT ac80 5530MHz Ant12



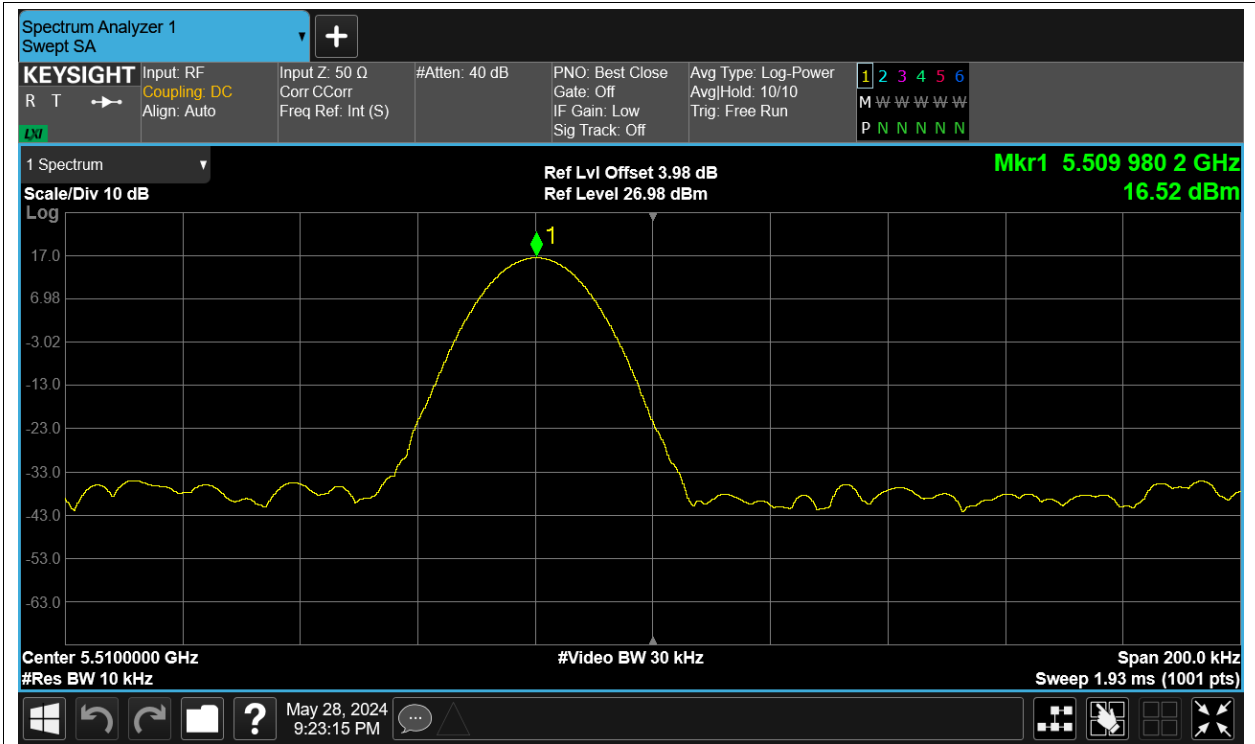
Freq. Stability NVLT ac80 5530MHz Ant12



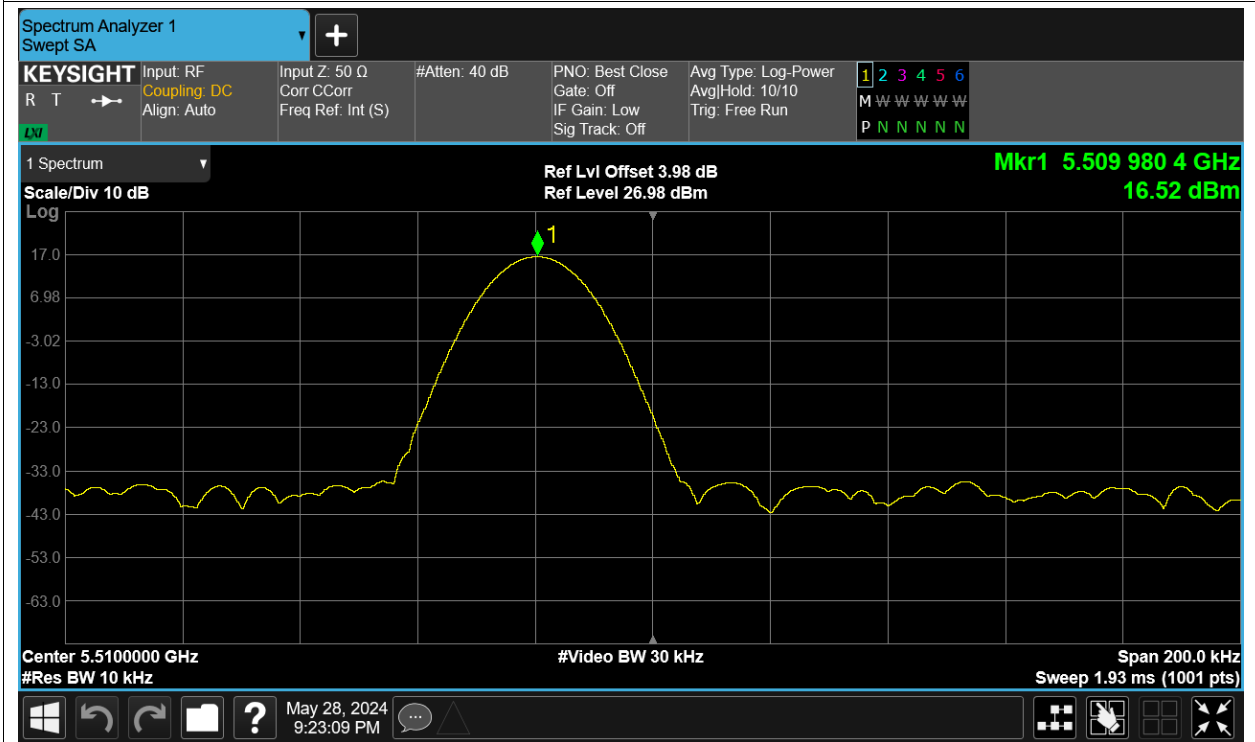
Freq. Stability NVNT ac80 5530MHz Ant12



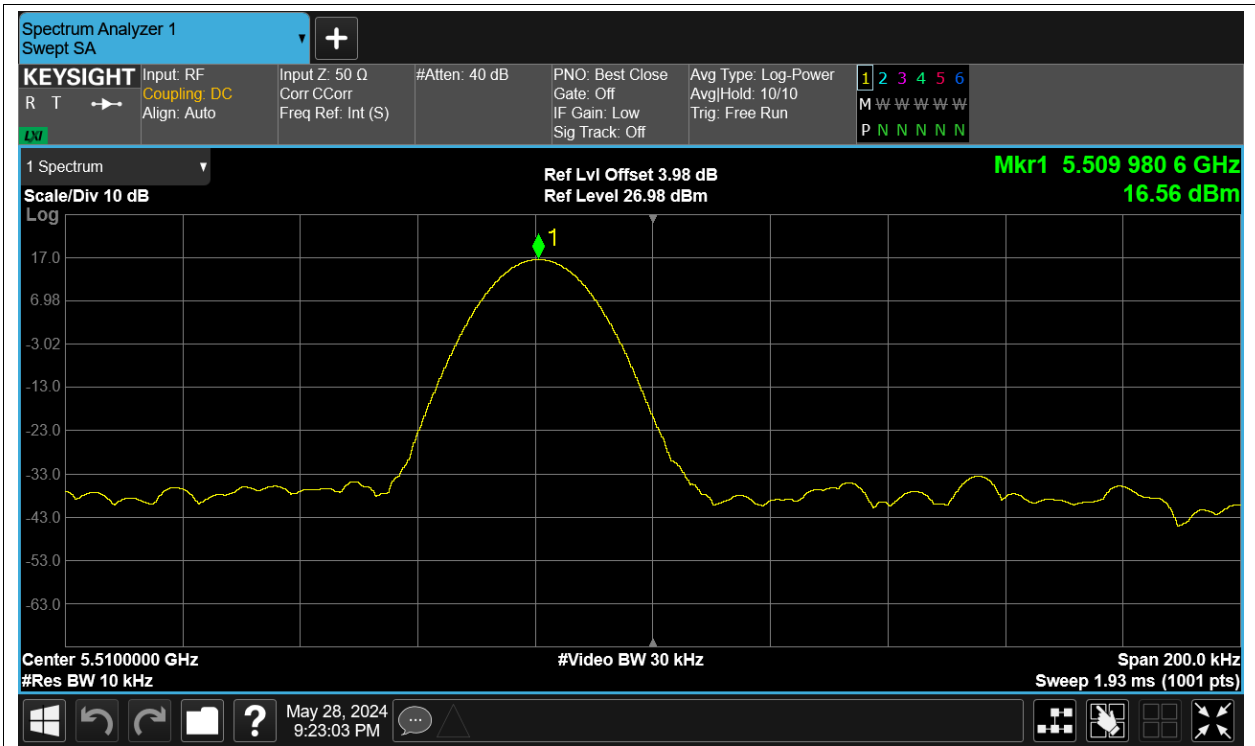
Freq. Stability HVNT n40 5510MHz Ant12



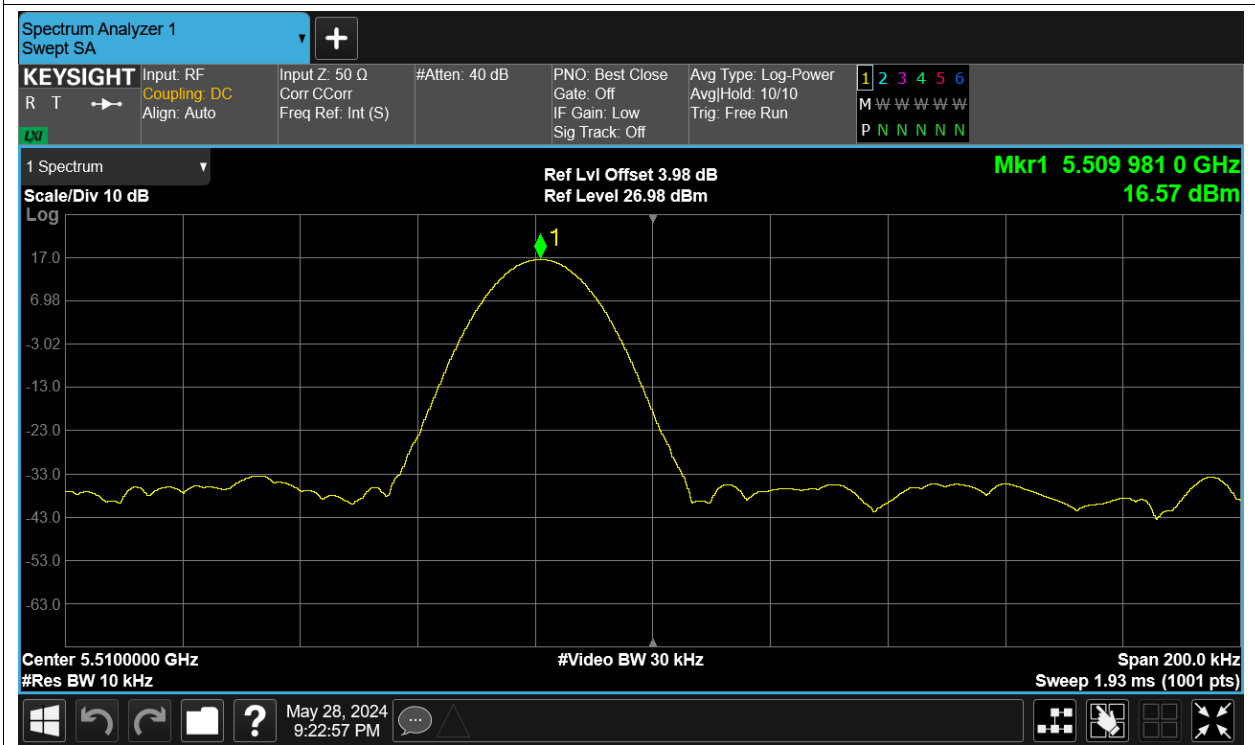
Freq. Stability LVNT n40 5510MHz Ant12



Freq. Stability NVHT n40 5510MHz Ant12

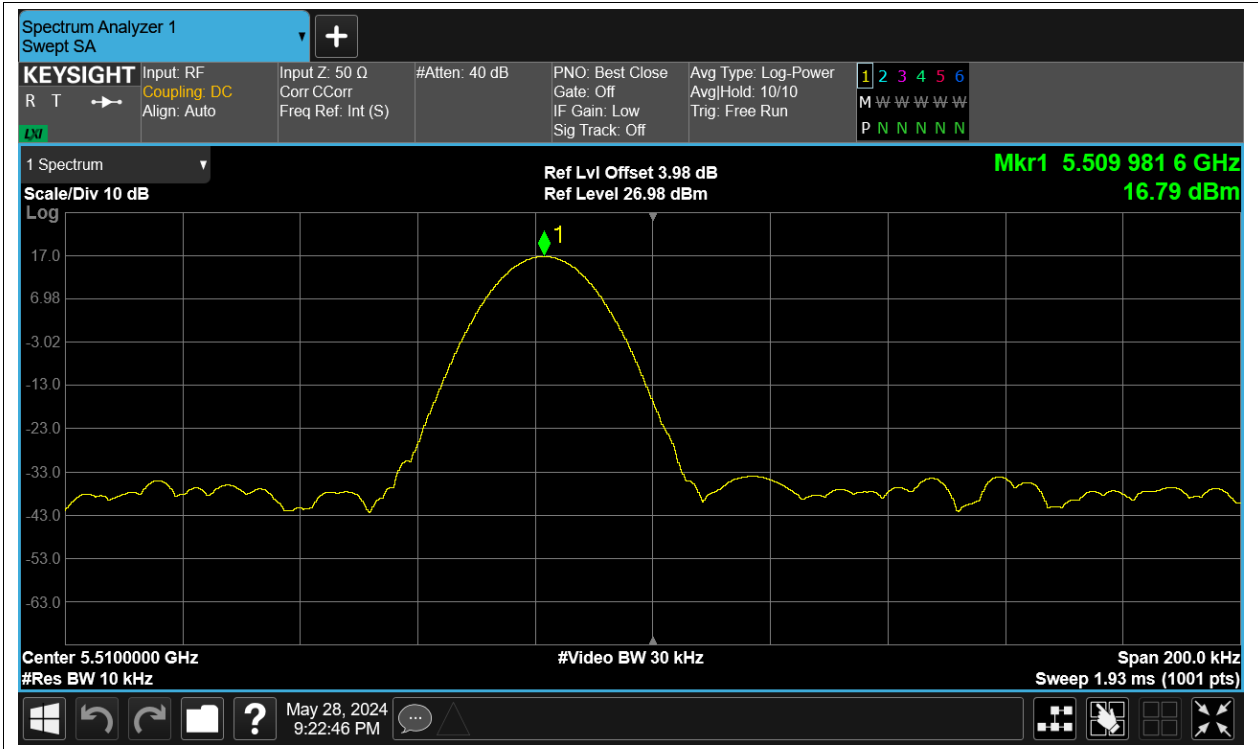


Freq. Stability NVLT n40 5510MHz Ant12



Freq. Stability NVNT n40 5510MHz Ant12



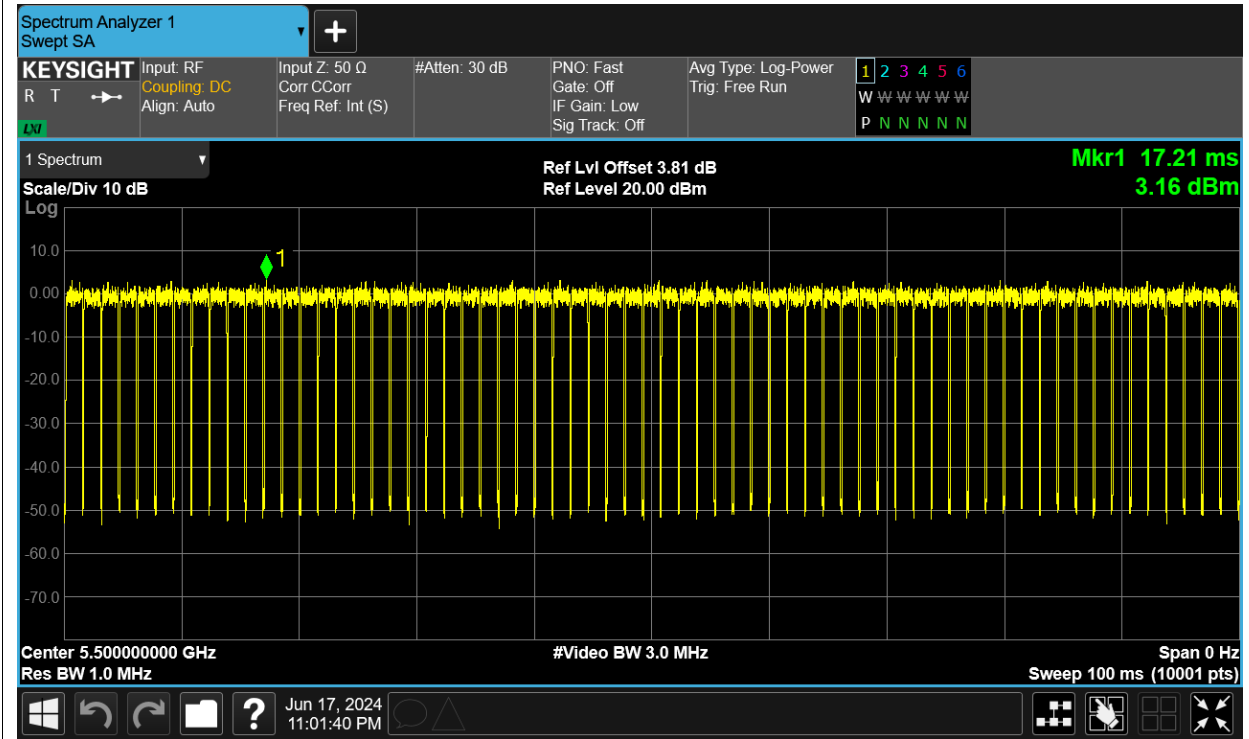


## Duty Cycle

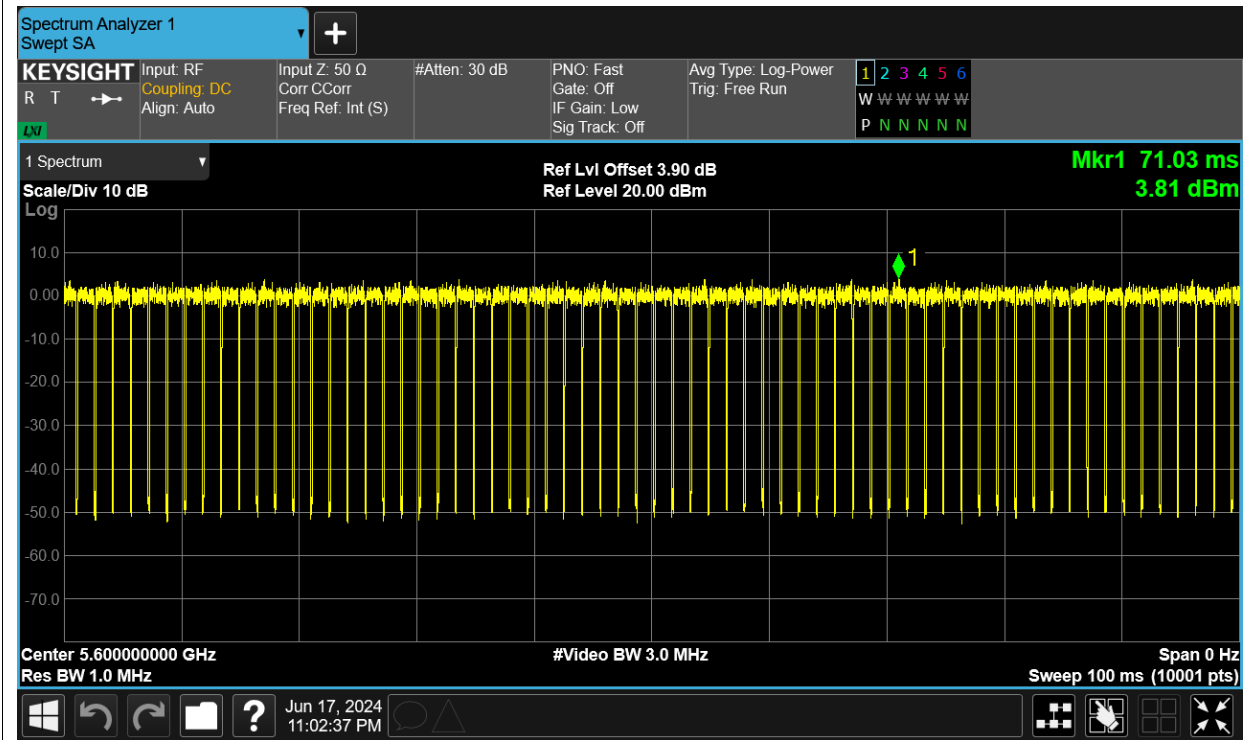
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant12	91.26	0.4
NVNT	a	5600	Ant12	91.36	0.39
NVNT	a	5700	Ant12	91.31	0.39
NVNT	ac20	5500	Ant12	89.67	0.47
NVNT	ac20	5600	Ant12	89.76	0.47
NVNT	ac20	5700	Ant12	89.76	0.47
NVNT	ac40	5510	Ant12	81.21	0.9
NVNT	ac40	5590	Ant12	81.19	0.9
NVNT	ac40	5670	Ant12	81.1	0.91
NVNT	ac80	5530	Ant12	69.72	1.57
NVNT	ac80	5610	Ant12	69.63	1.57
NVNT	n20	5500	Ant12	89.95	0.46
NVNT	n20	5600	Ant12	89.82	0.47
NVNT	n20	5700	Ant12	89.81	0.47
NVNT	n40	5510	Ant12	81.69	0.88
NVNT	n40	5590	Ant12	81.81	0.87
NVNT	n40	5670	Ant12	81.64	0.88

Test Graphs

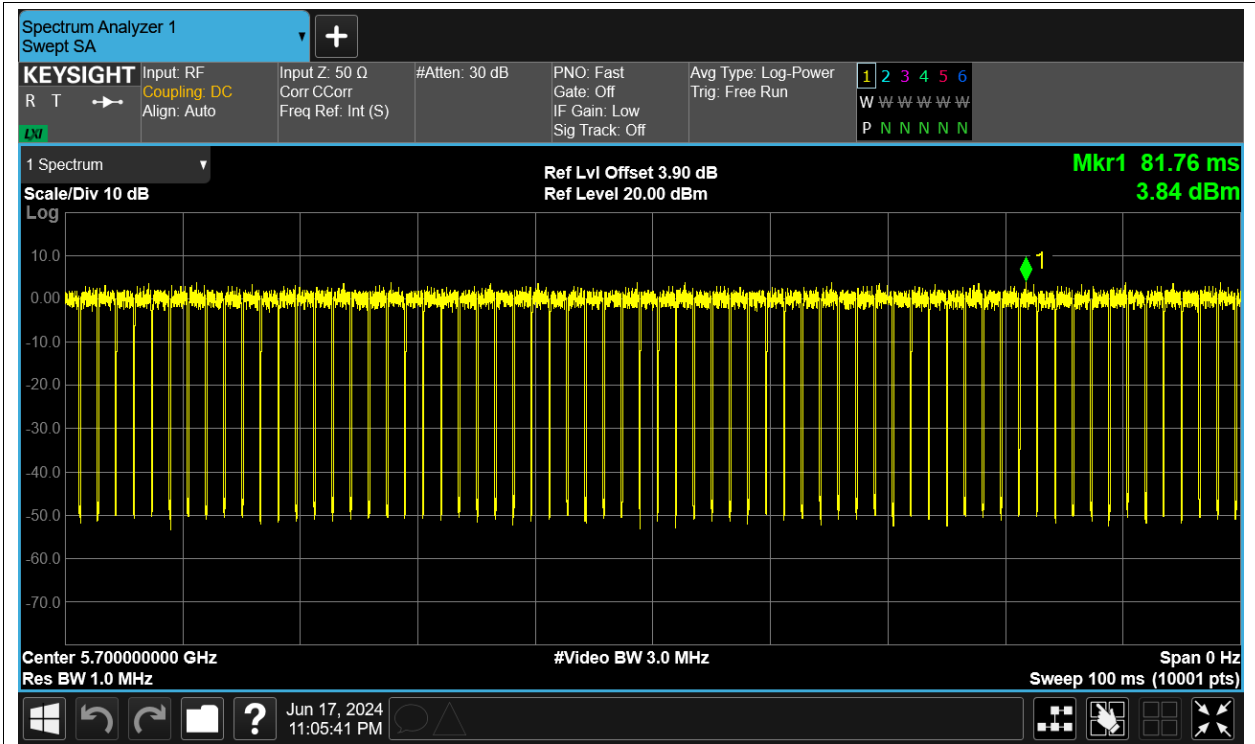
Duty Cycle NVNT a 5500MHz Ant12



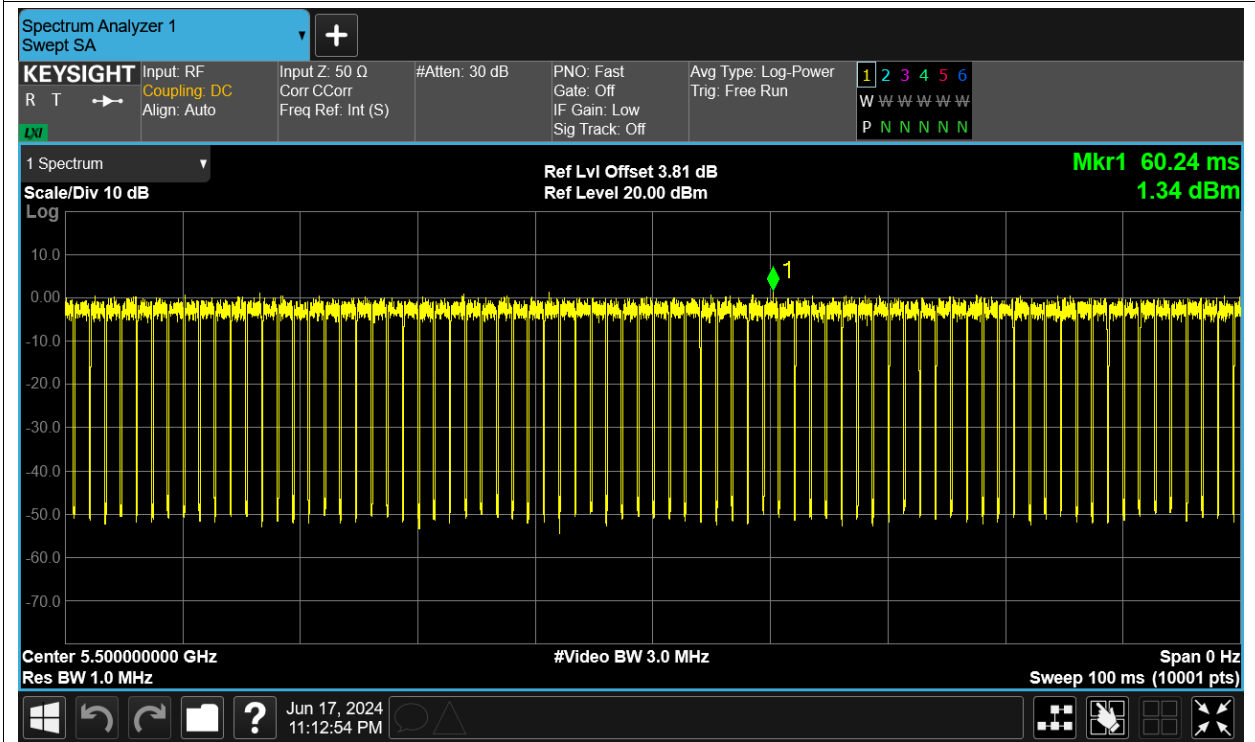
Duty Cycle NVNT a 5600MHz Ant12



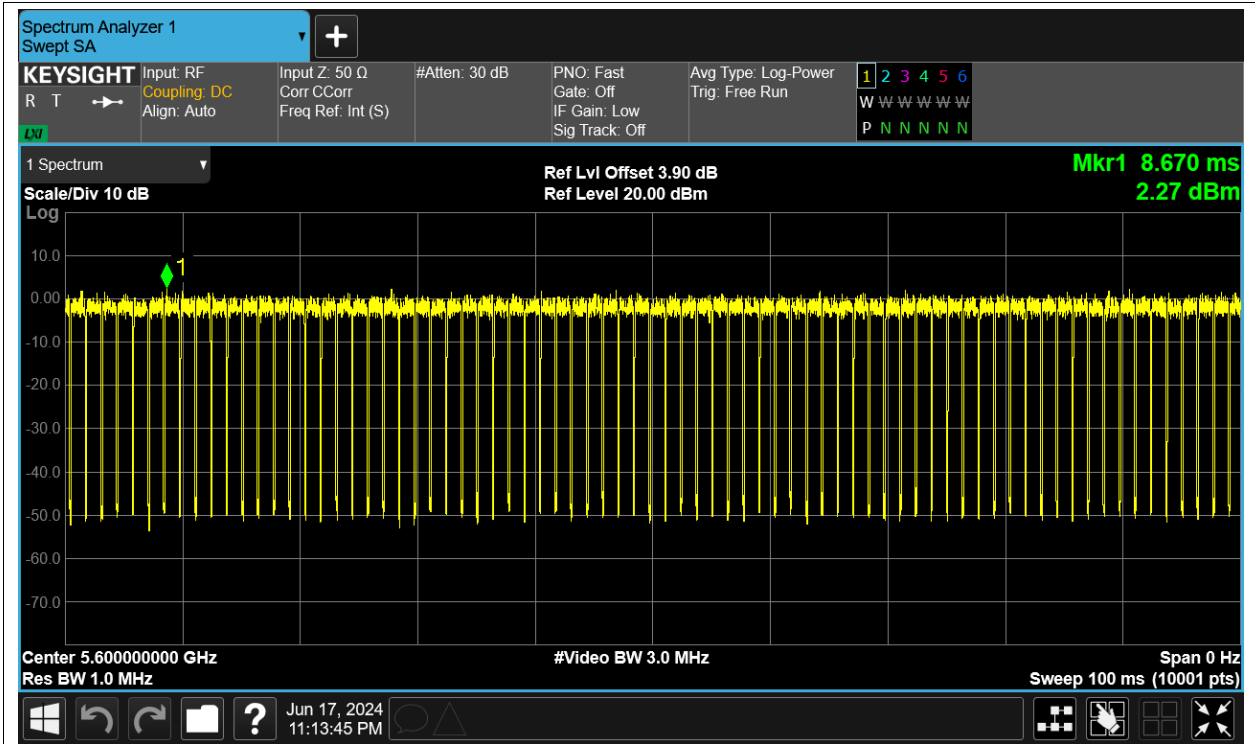
Duty Cycle NVNT a 5700MHz Ant12



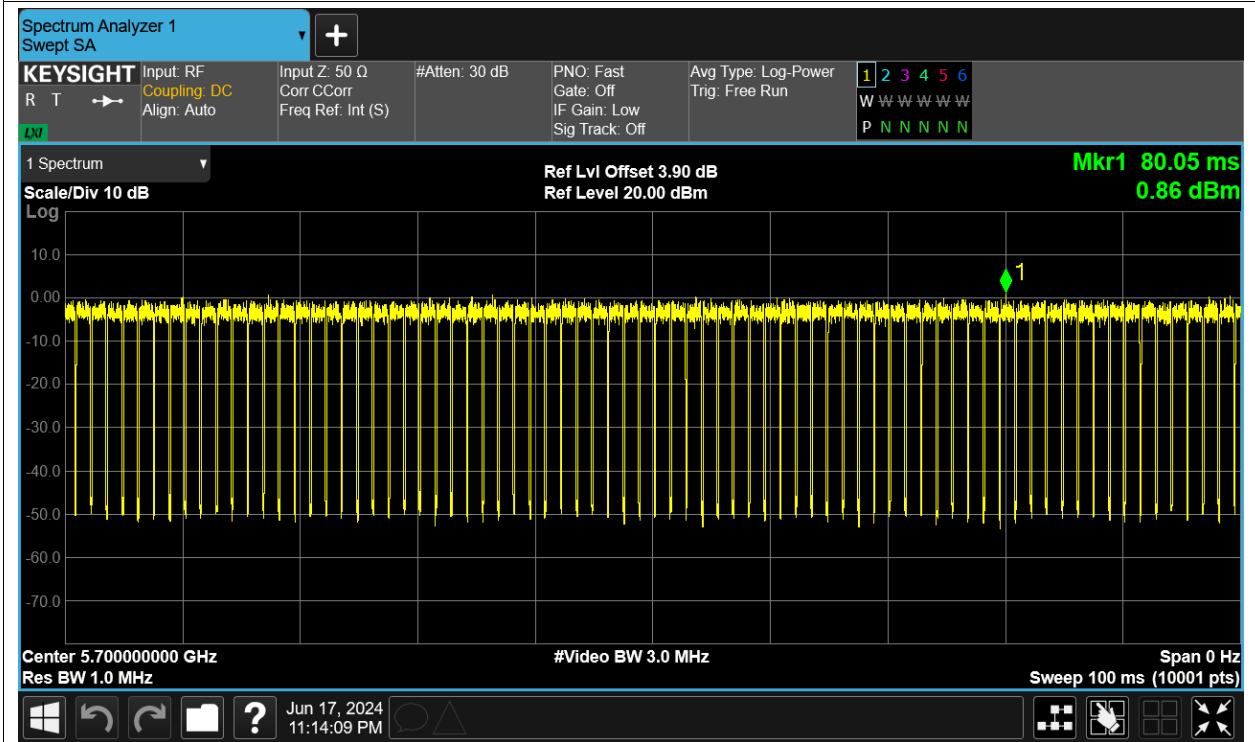
Duty Cycle NVNT ac20 5500MHz Ant12



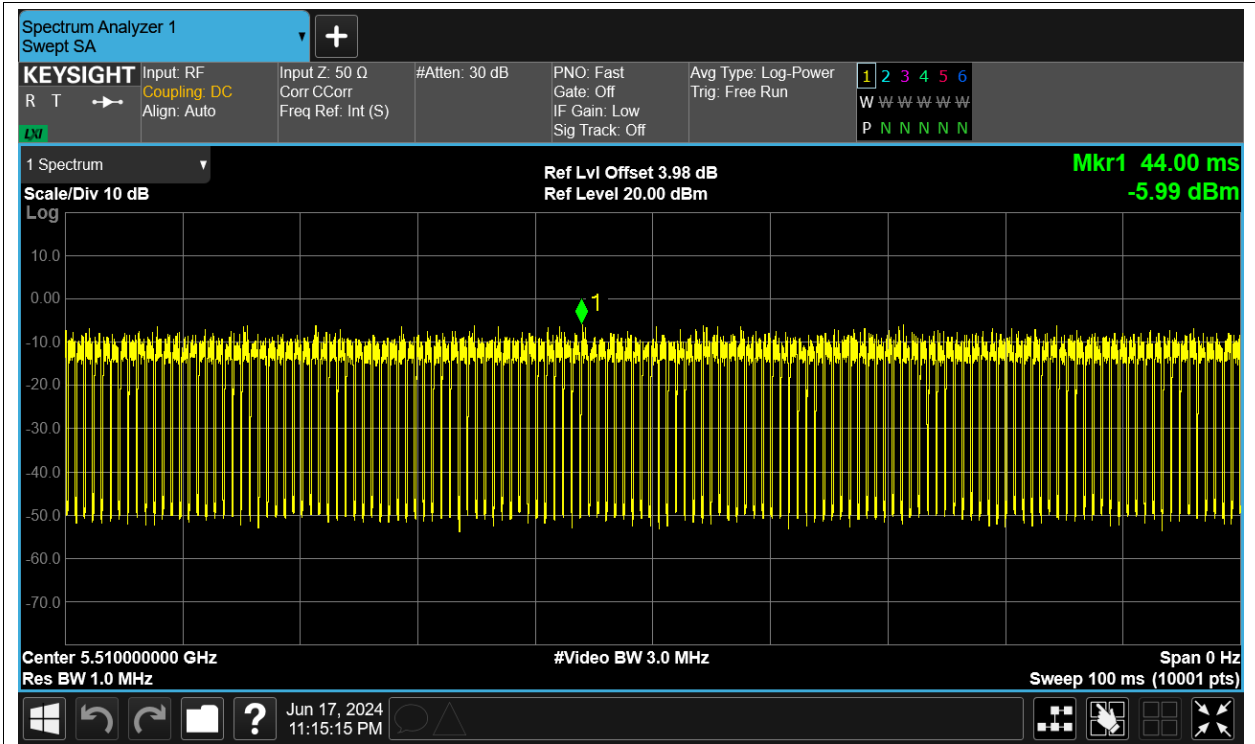
Duty Cycle NVNT ac20 5600MHz Ant12



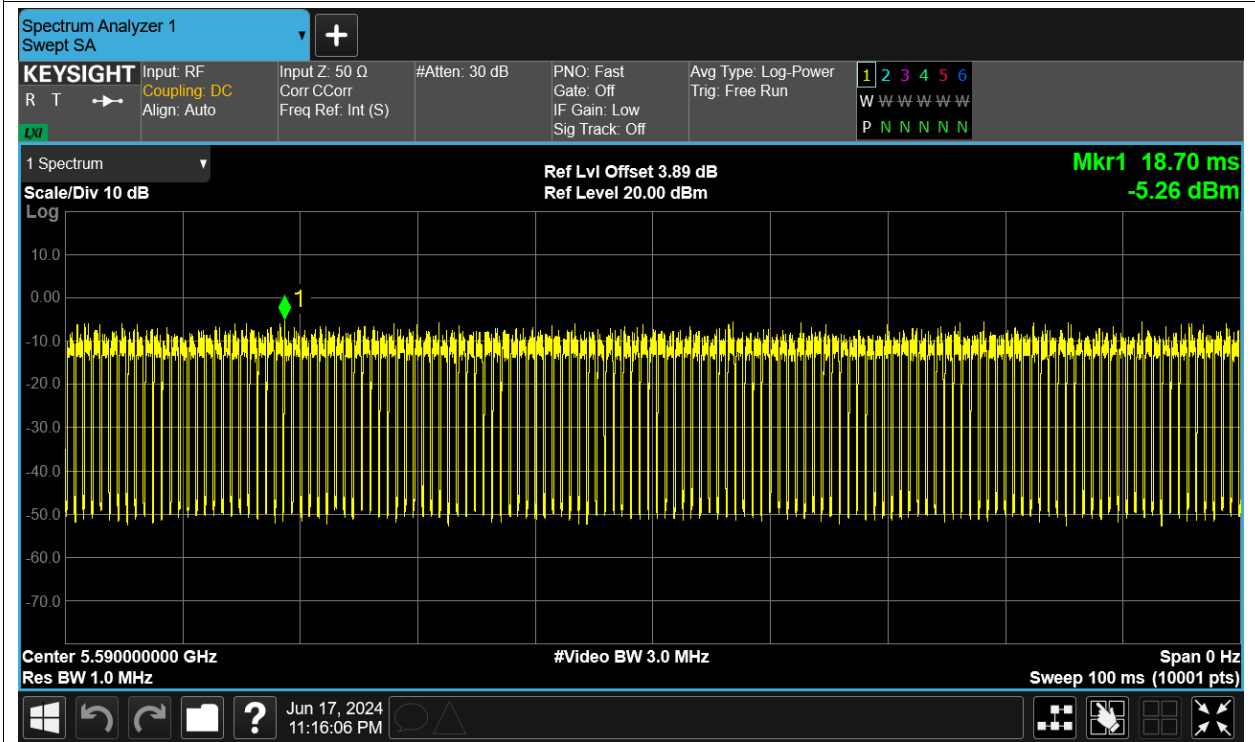
Duty Cycle NVNT ac20 5700MHz Ant12



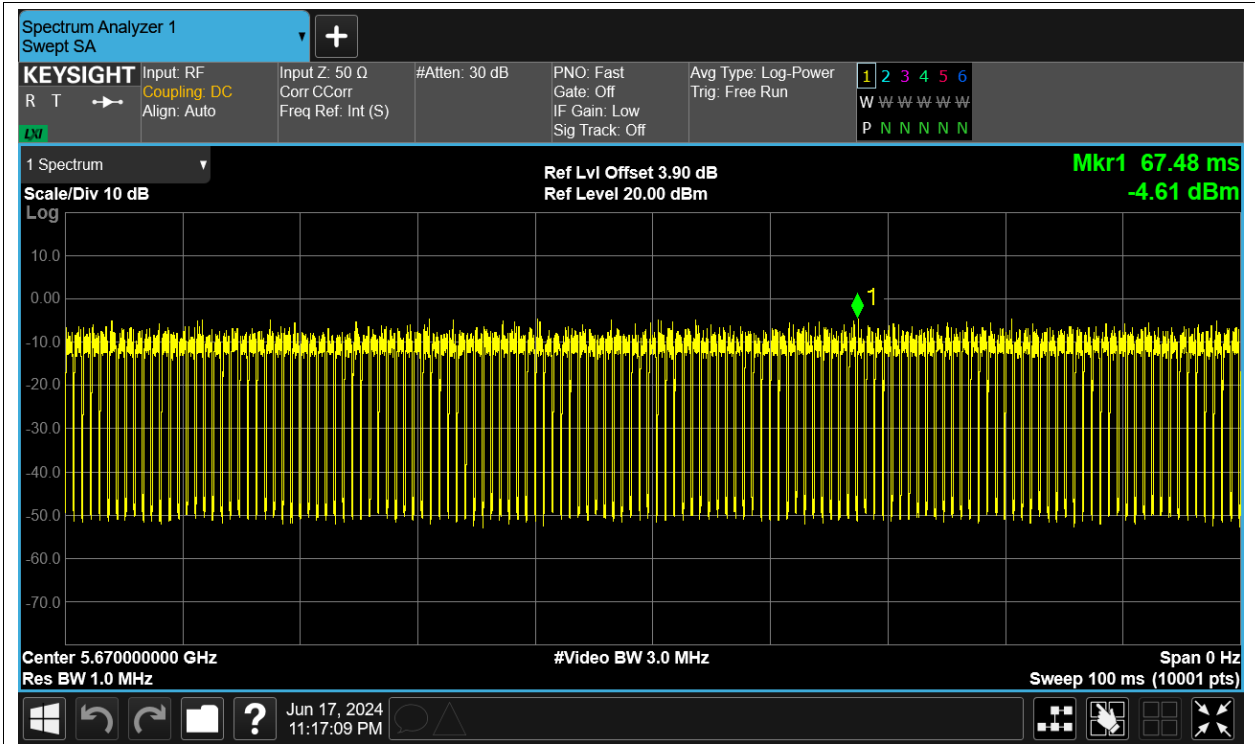
Duty Cycle NVNT ac40 5510MHz Ant12



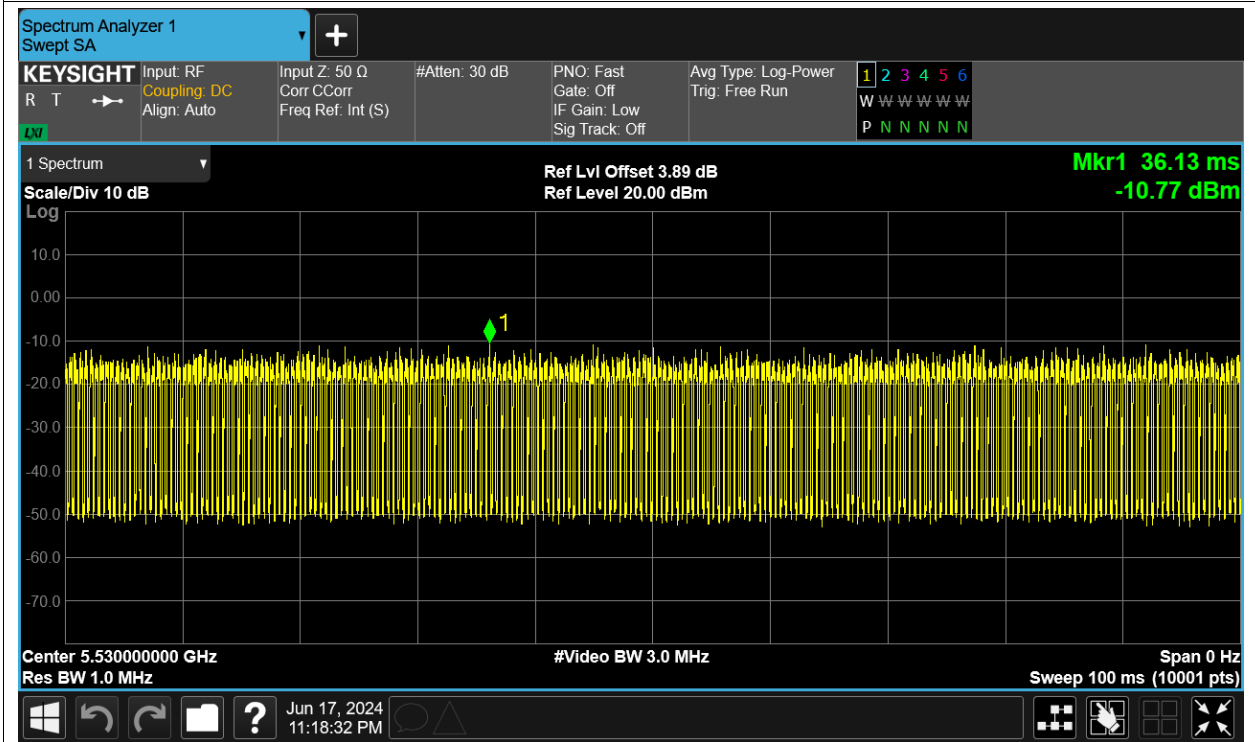
Duty Cycle NVNT ac40 5590MHz Ant12



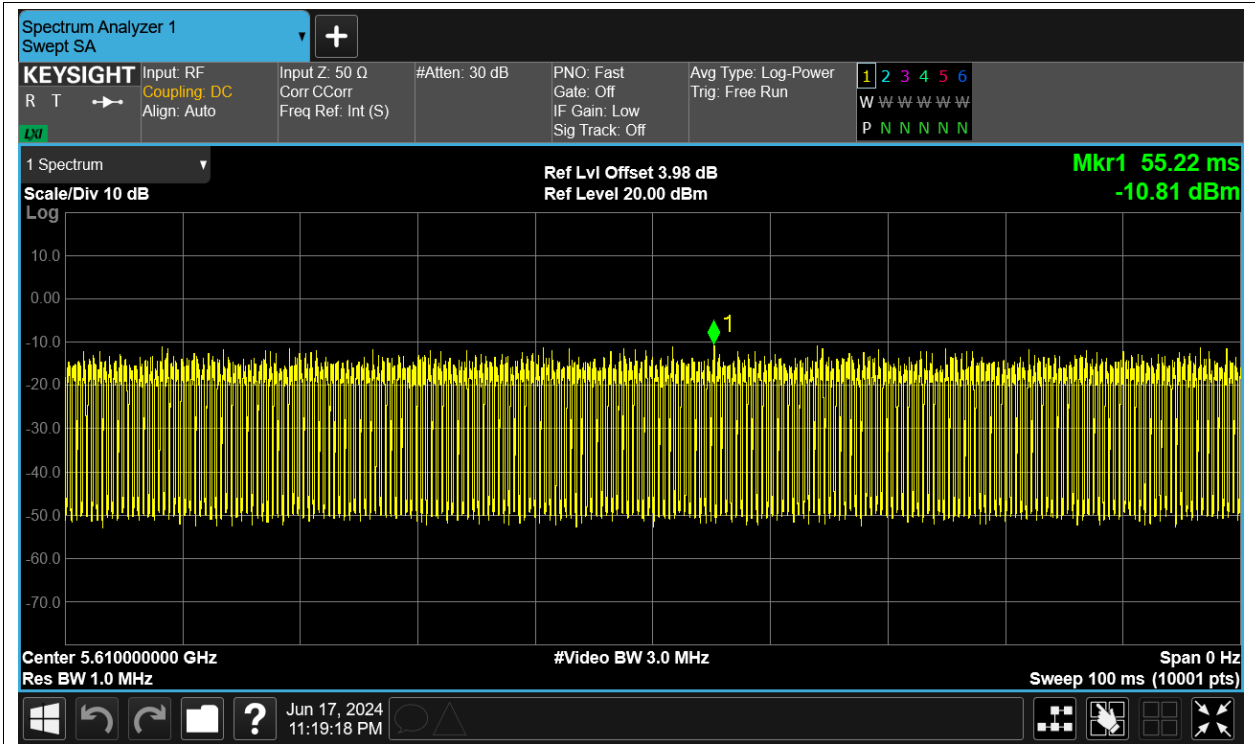
Duty Cycle NVNT ac40 5670MHz Ant12



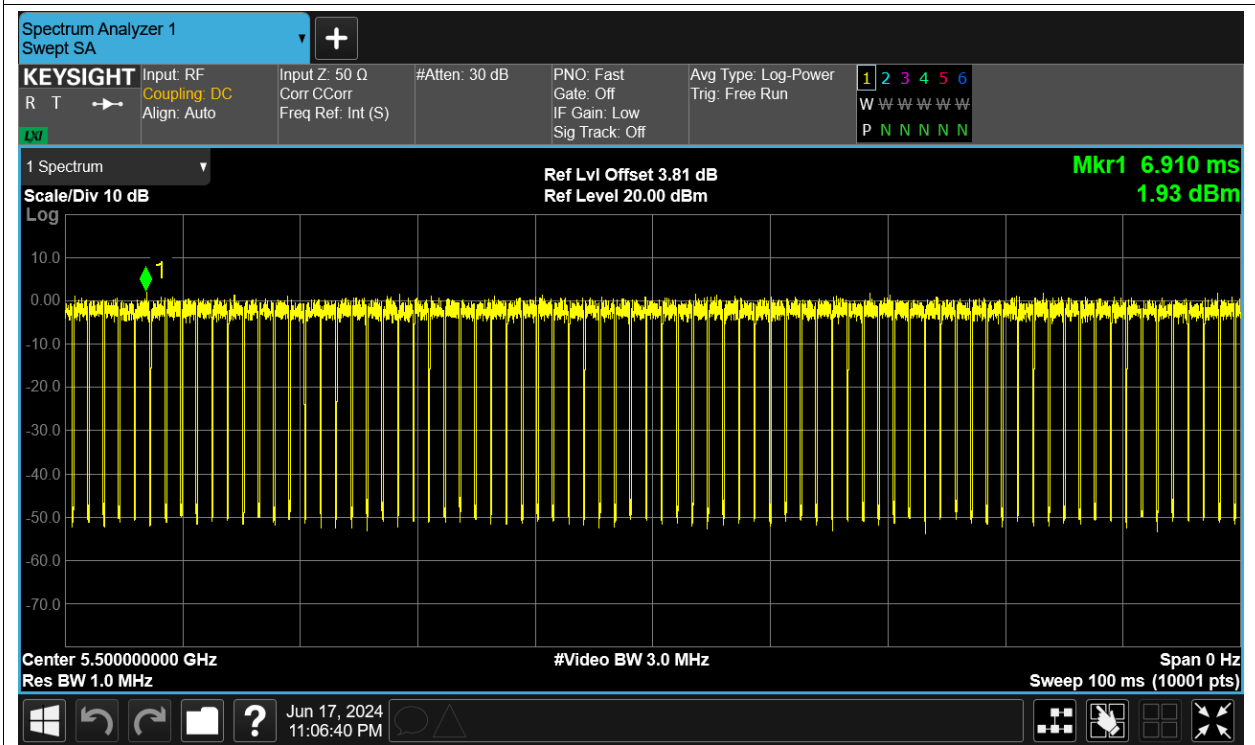
Duty Cycle NVNT ac80 5530MHz Ant12



Duty Cycle NVNT ac80 5610MHz Ant12

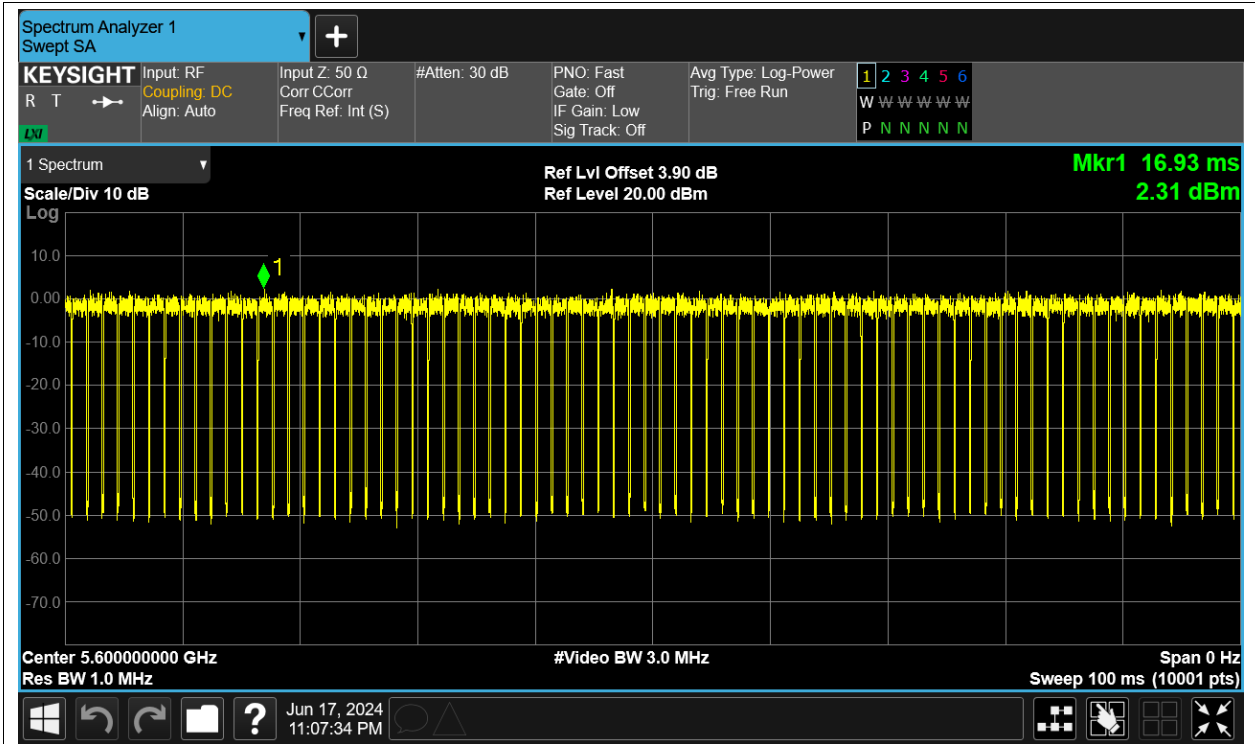


Duty Cycle NVNT n20 5500MHz Ant12

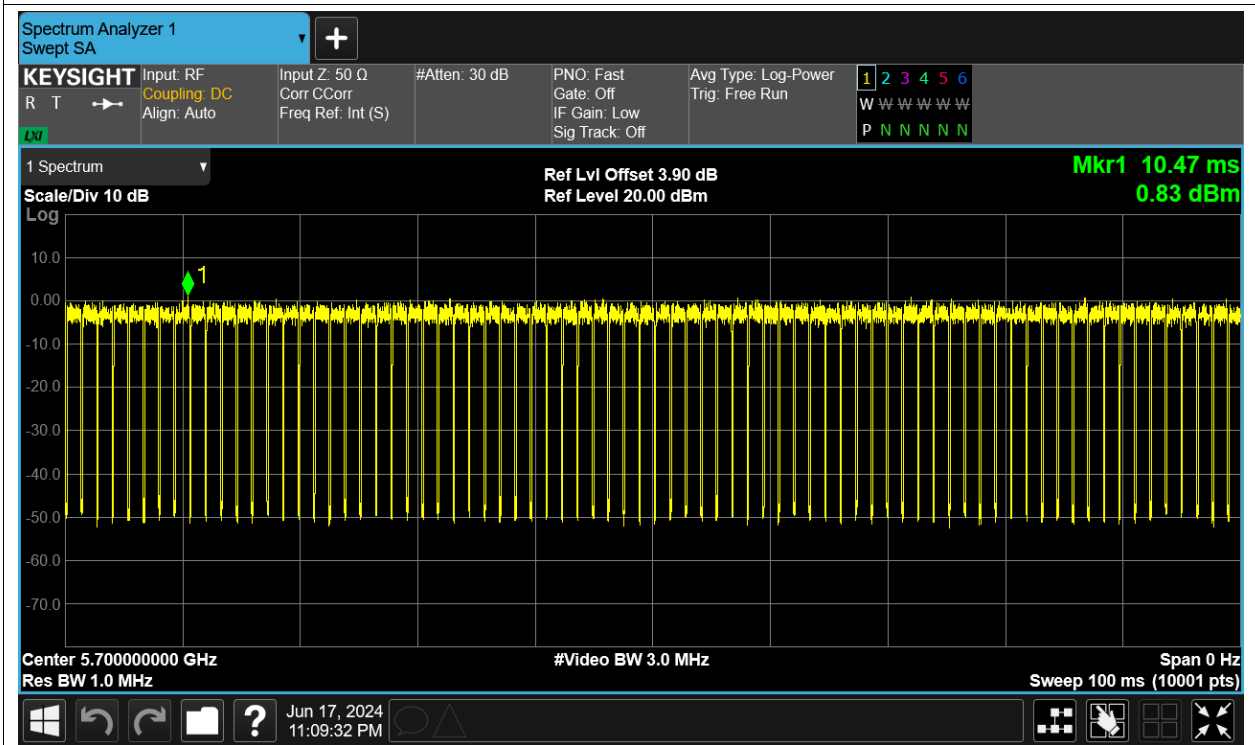


Duty Cycle NVNT n20 5600MHz Ant12

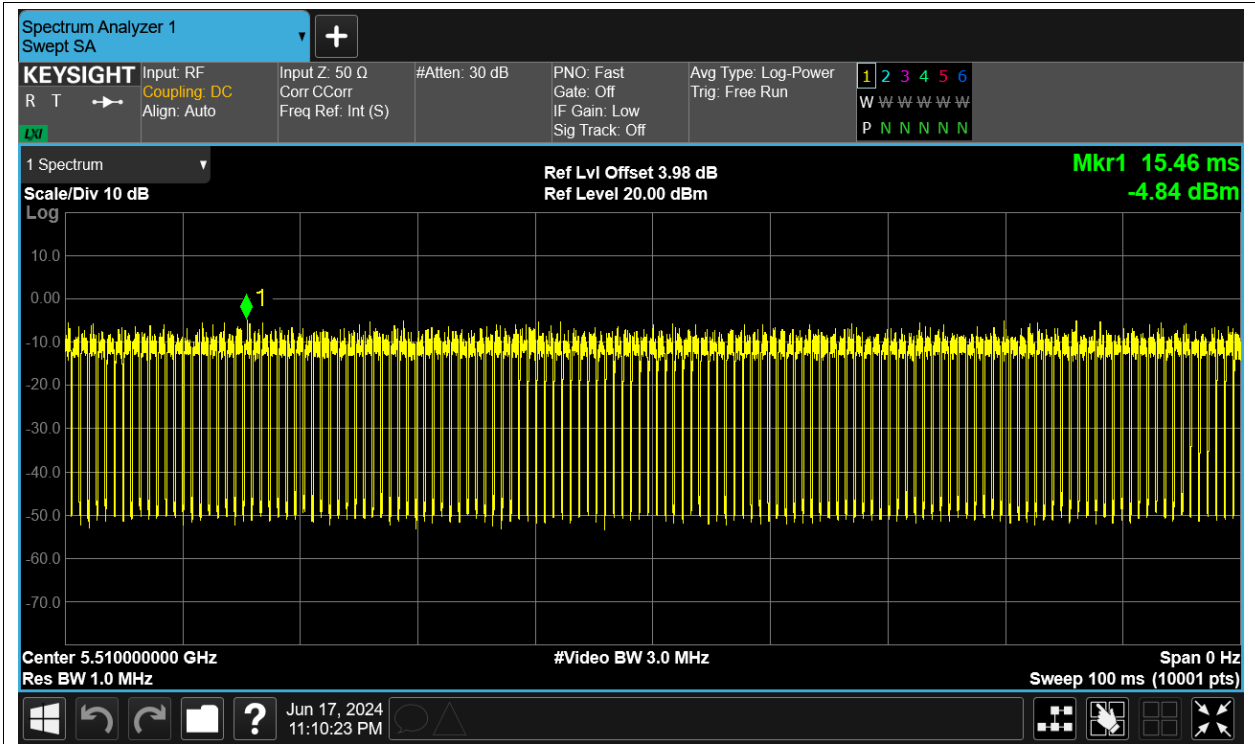




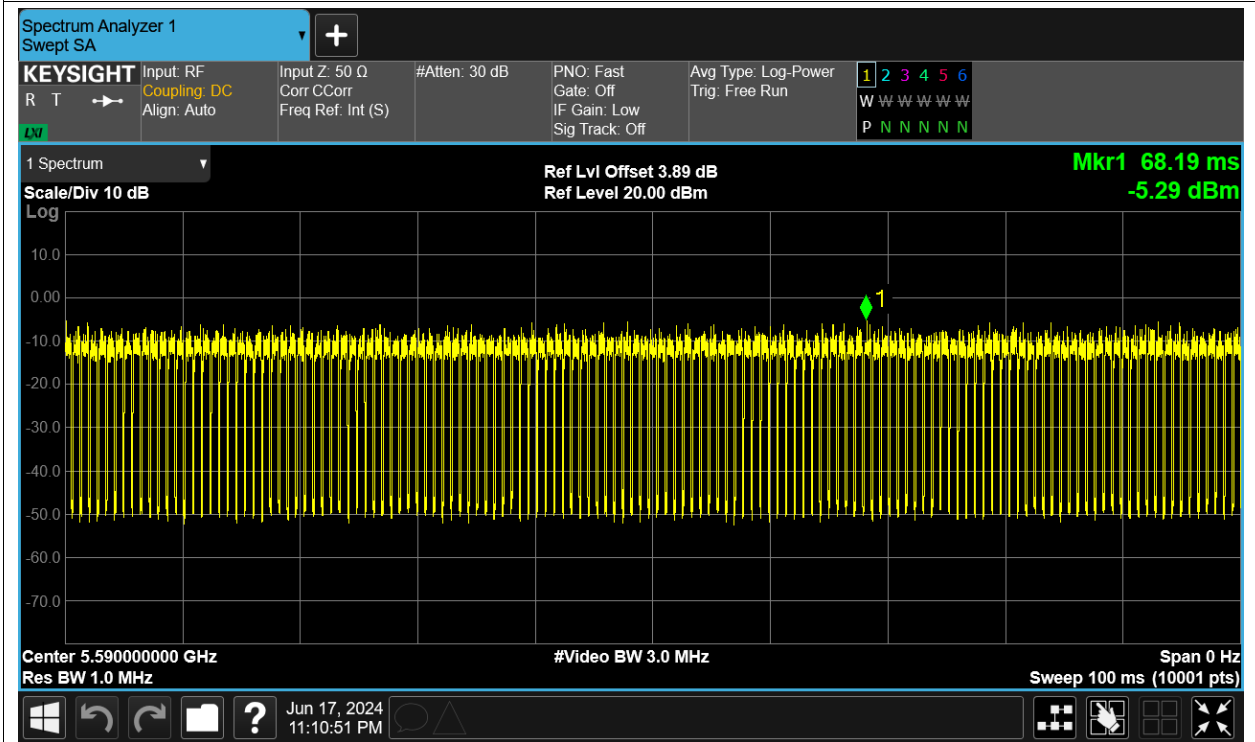
Duty Cycle NVNT n20 5700MHz Ant12



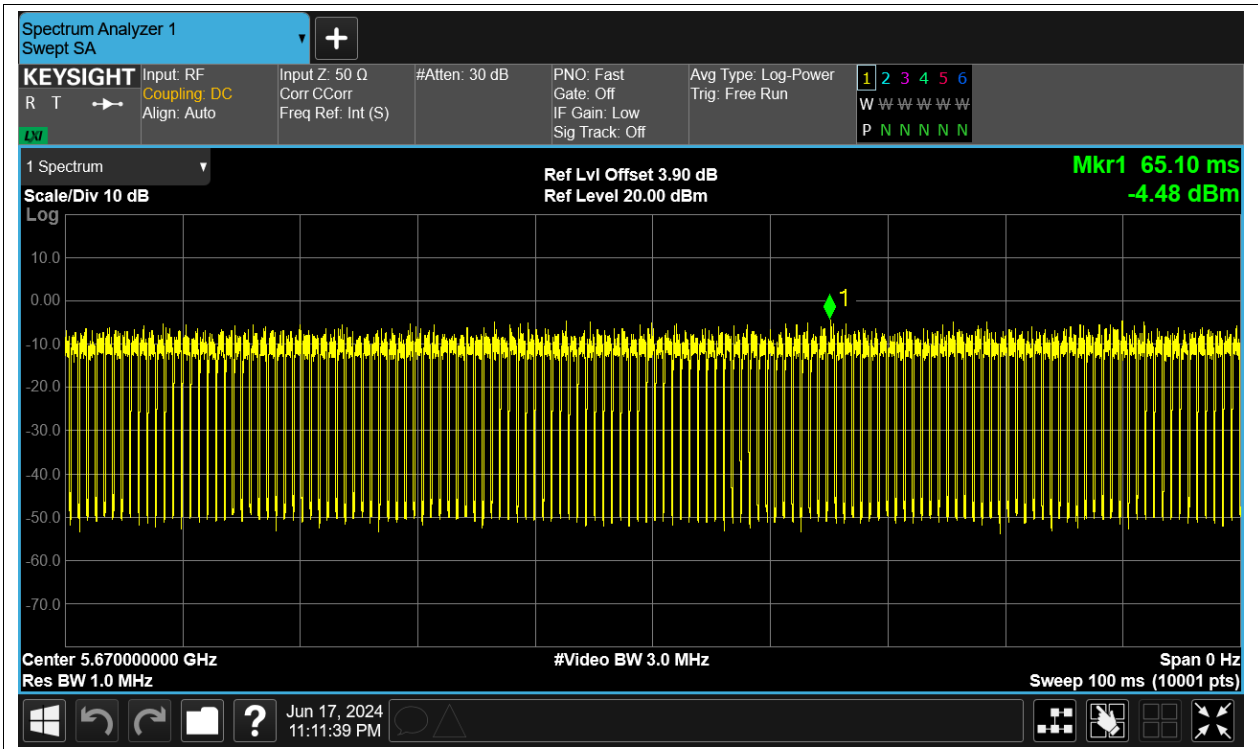
Duty Cycle NVNT n40 5510MHz Ant12



Duty Cycle NVNT n40 5590MHz Ant12



Duty Cycle NVNT n40 5670MHz Ant12



## Maximum Conducted Output Power

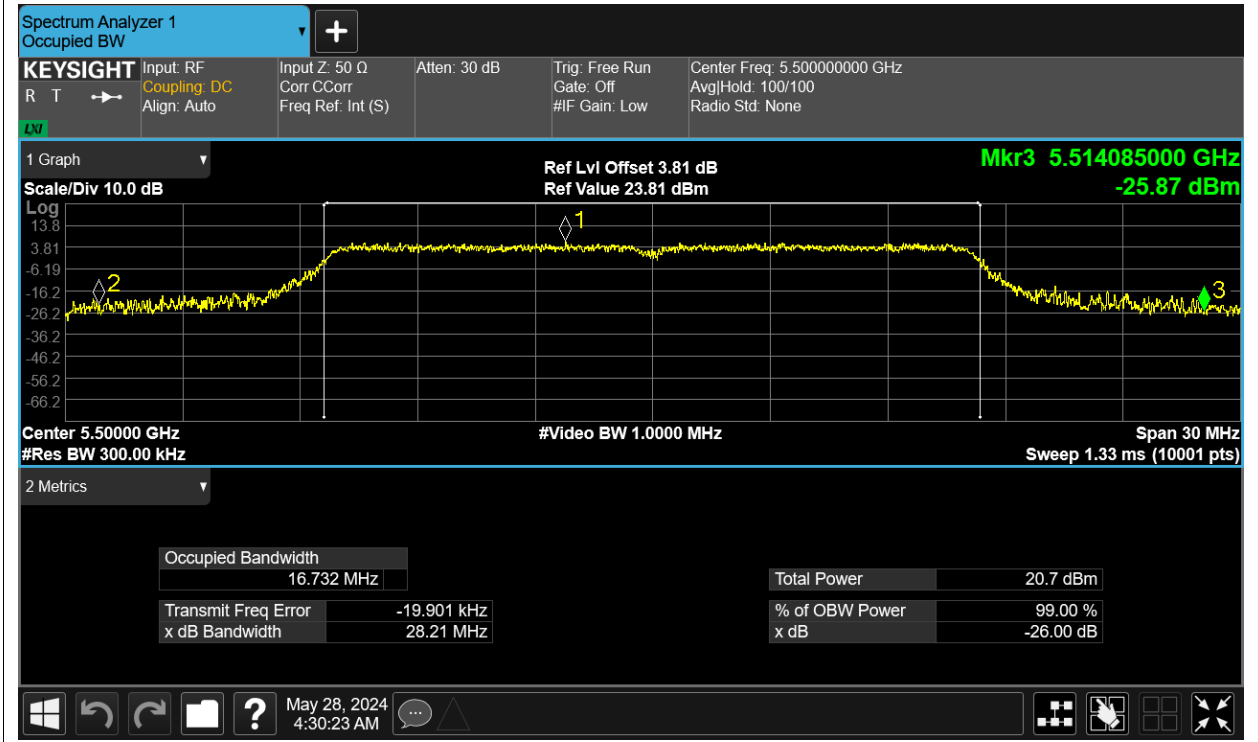
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant12	9.34	0.4	9.74	24	Pass
NVNT	a	5600	Ant12	9.17	0.39	9.56	24	Pass
NVNT	a	5700	Ant12	9.68	0.39	10.07	24	Pass
NVNT	ac20	5500	Ant12	7.21	0.47	7.68	24	Pass
NVNT	ac20	5600	Ant12	7.36	0.47	7.83	24	Pass
NVNT	ac20	5700	Ant12	6.9	0.47	7.37	24	Pass
NVNT	ac40	5510	Ant12	3.57	0.9	4.47	24	Pass
NVNT	ac40	5590	Ant12	3.91	0.9	4.81	24	Pass
NVNT	ac40	5670	Ant12	4.05	0.91	4.96	24	Pass
NVNT	ac80	5530	Ant12	2.09	1.57	3.66	24	Pass
NVNT	ac80	5610	Ant12	2.09	1.57	3.66	24	Pass
NVNT	n20	5500	Ant12	7.95	0.46	8.41	24	Pass
NVNT	n20	5600	Ant12	7.23	0.47	7.7	24	Pass
NVNT	n20	5700	Ant12	6.9	0.47	7.37	24	Pass
NVNT	n40	5510	Ant12	4.49	0.88	5.37	24	Pass
NVNT	n40	5590	Ant12	3.94	0.87	4.81	24	Pass
NVNT	n40	5670	Ant12	4.06	0.88	4.94	24	Pass

## -26dB Bandwidth

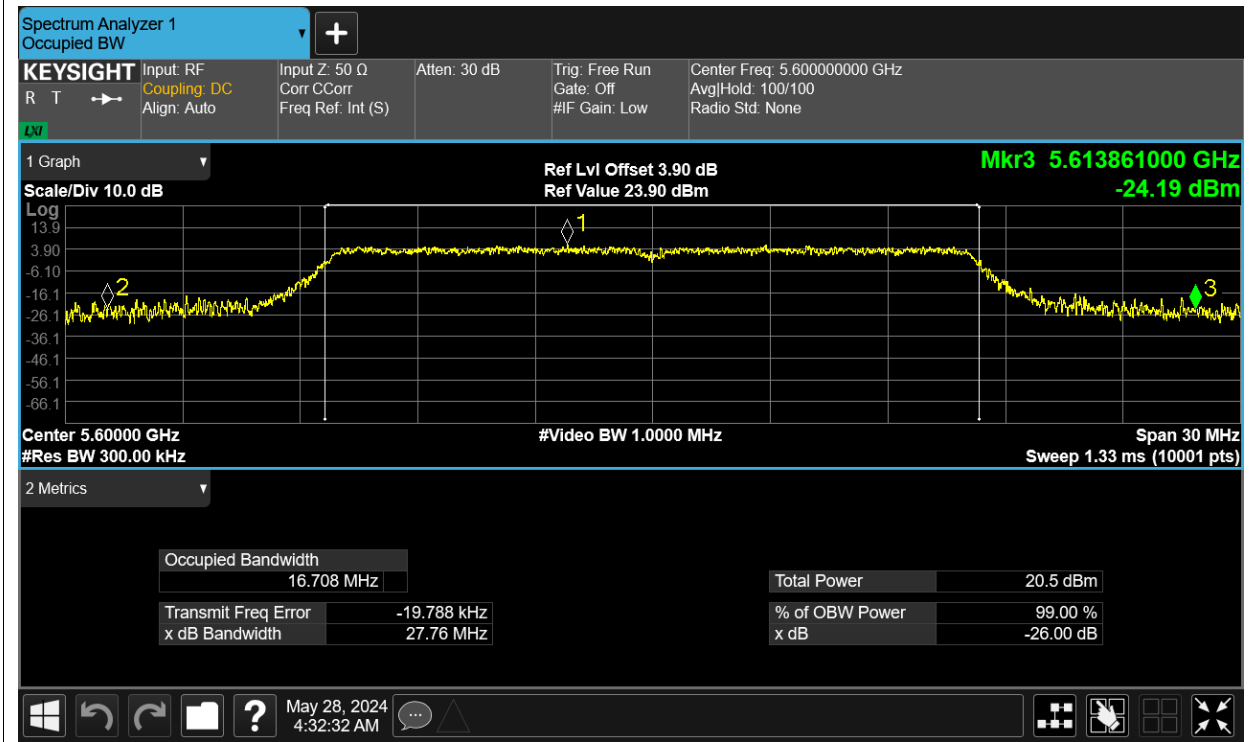
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant12	28.21
NVNT	a	5600	Ant12	27.761
NVNT	a	5700	Ant12	28.92
NVNT	ac20	5500	Ant12	26.546
NVNT	ac20	5600	Ant12	27.049
NVNT	ac20	5700	Ant12	27.539
NVNT	ac40	5510	Ant12	53.595
NVNT	ac40	5590	Ant12	47.607
NVNT	ac40	5670	Ant12	52.339
NVNT	ac80	5530	Ant12	78.153
NVNT	ac80	5610	Ant12	78.217
NVNT	n20	5500	Ant12	28.33
NVNT	n20	5600	Ant12	28.098
NVNT	n20	5700	Ant12	29.527
NVNT	n40	5510	Ant12	48.641
NVNT	n40	5590	Ant12	50.614
NVNT	n40	5670	Ant12	48.992

Test Graphs

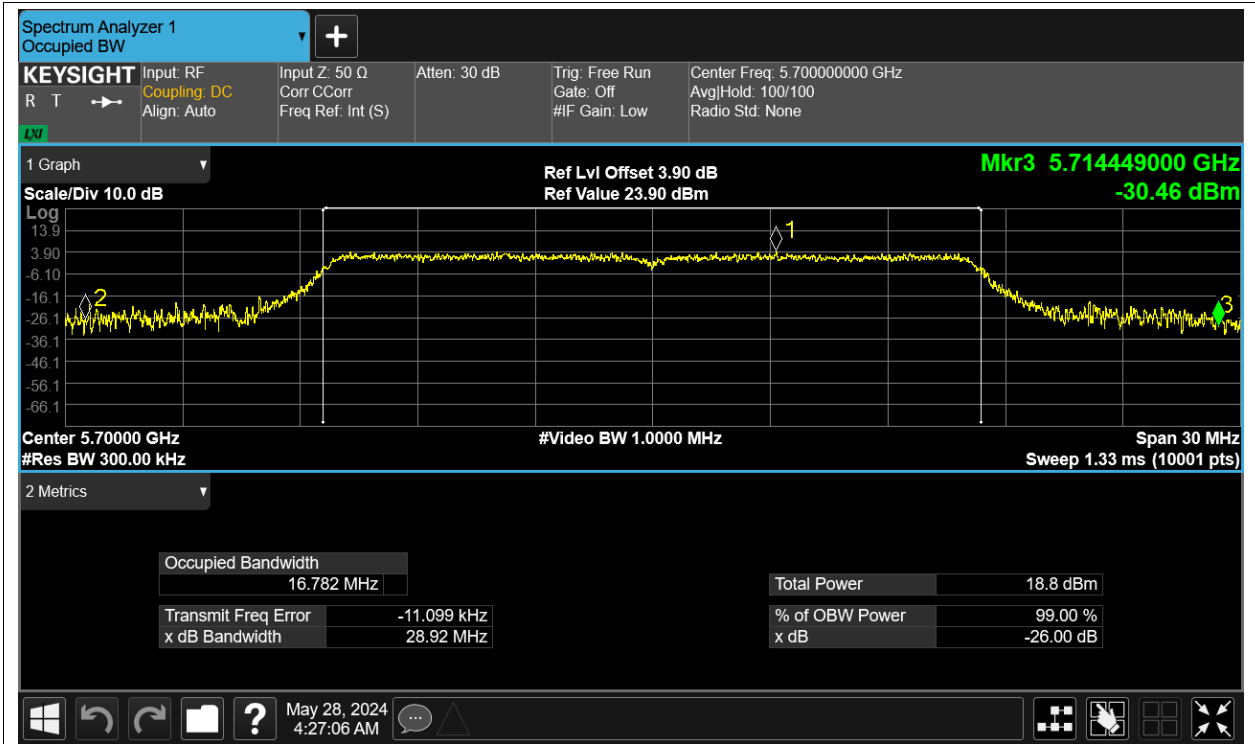
-26dB Bandwidth NVNT a 5500MHz Ant12



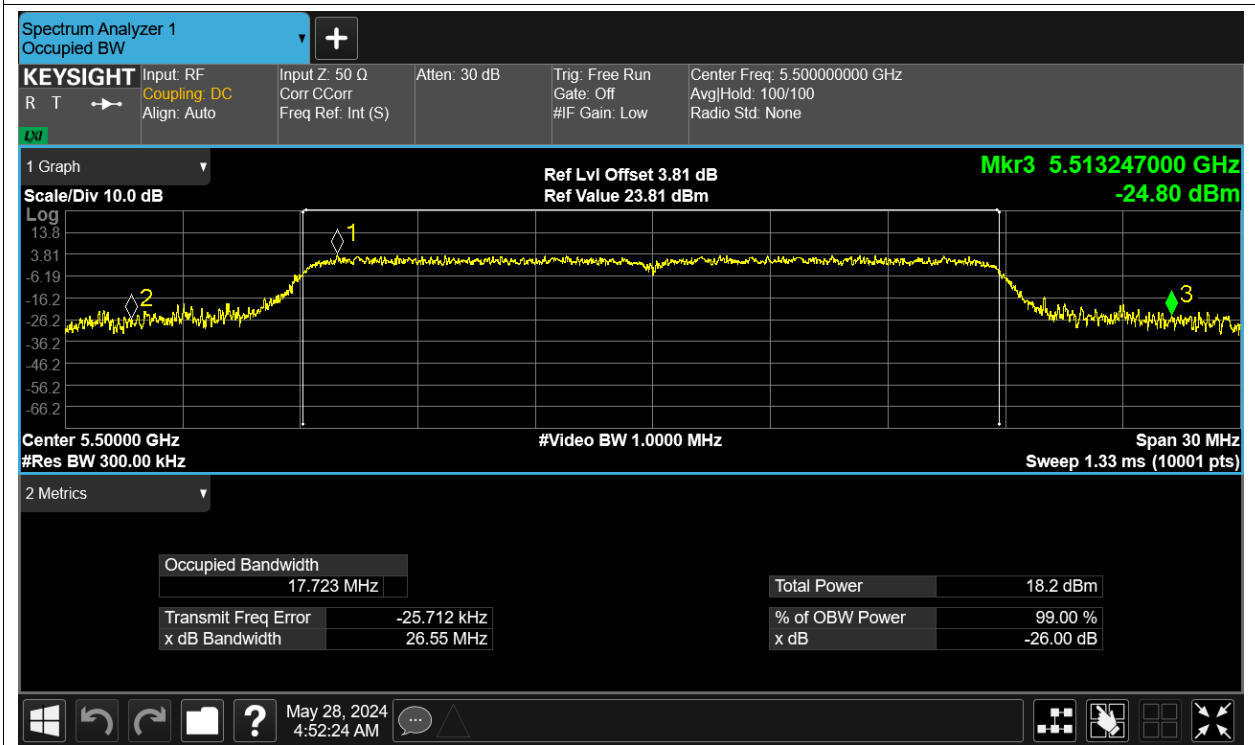
-26dB Bandwidth NVNT a 5600MHz Ant12



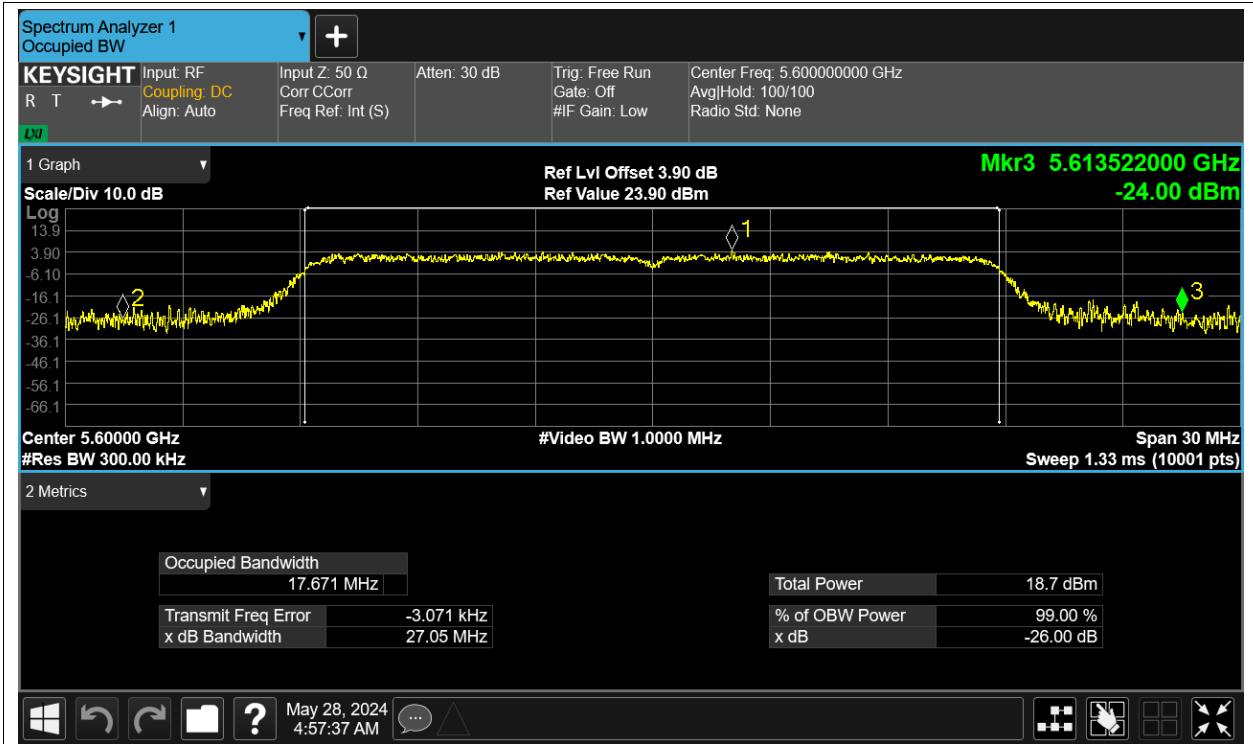
-26dB Bandwidth NVNT a 5700MHz Ant12



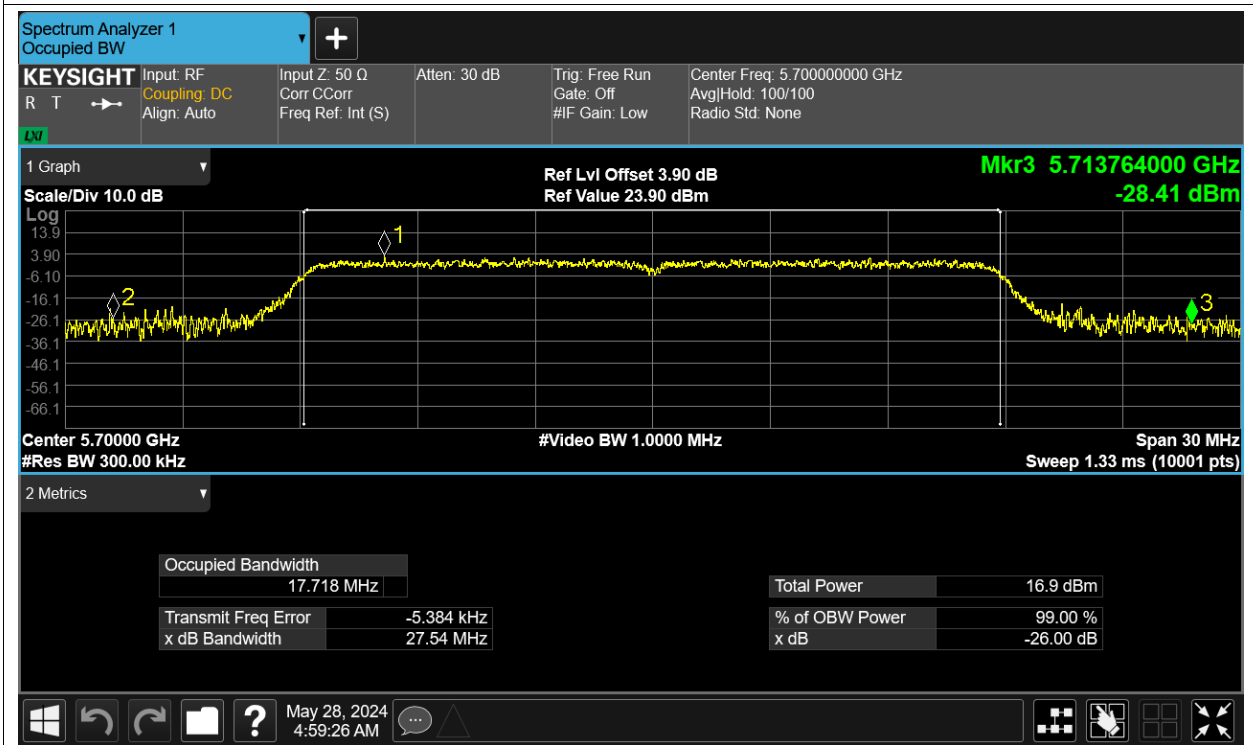
-26dB Bandwidth NVNT ac20 5500MHz Ant12



-26dB Bandwidth NVNT ac20 5600MHz Ant12

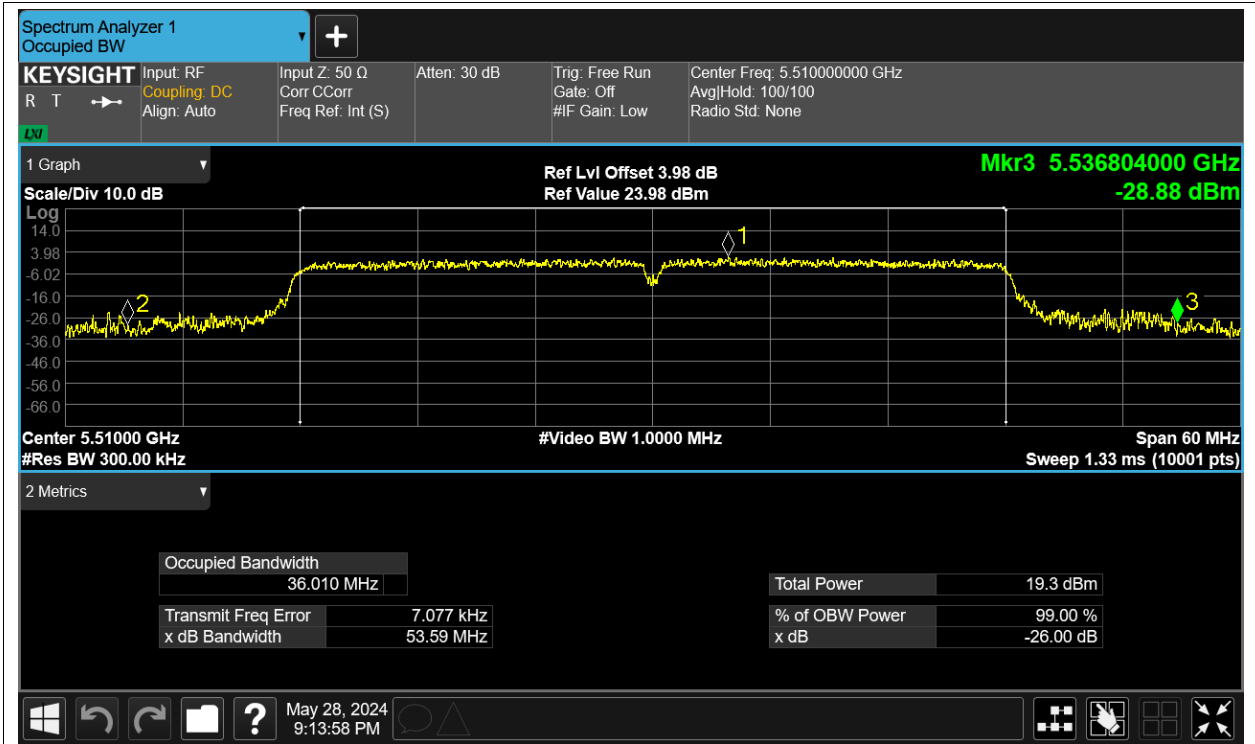


-26dB Bandwidth NVNT ac20 5700MHz Ant12

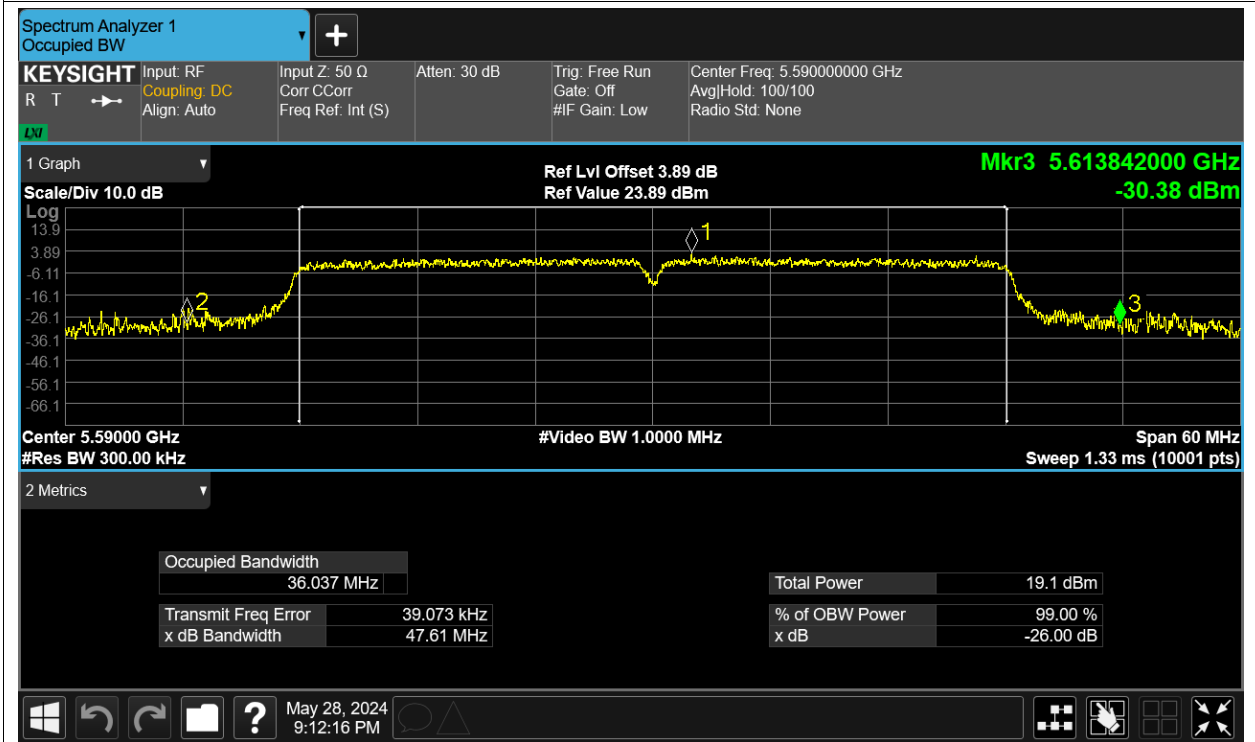


-26dB Bandwidth NVNT ac40 5510MHz Ant12

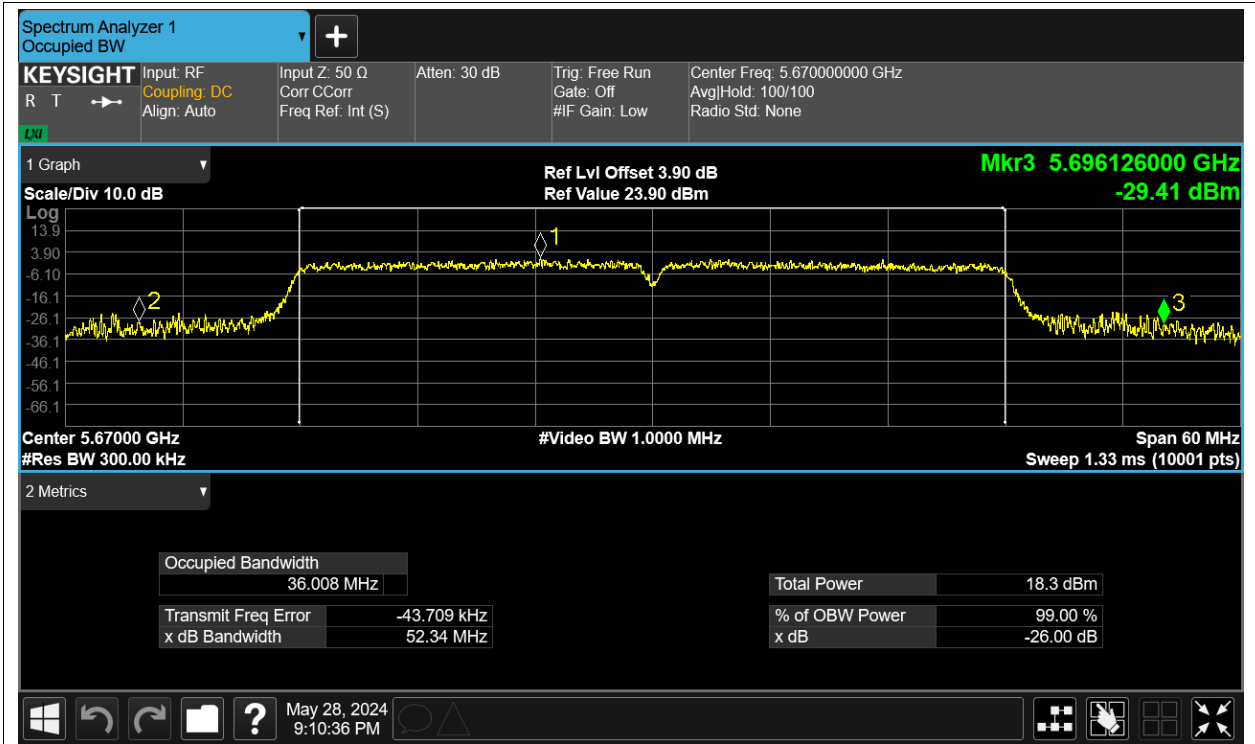




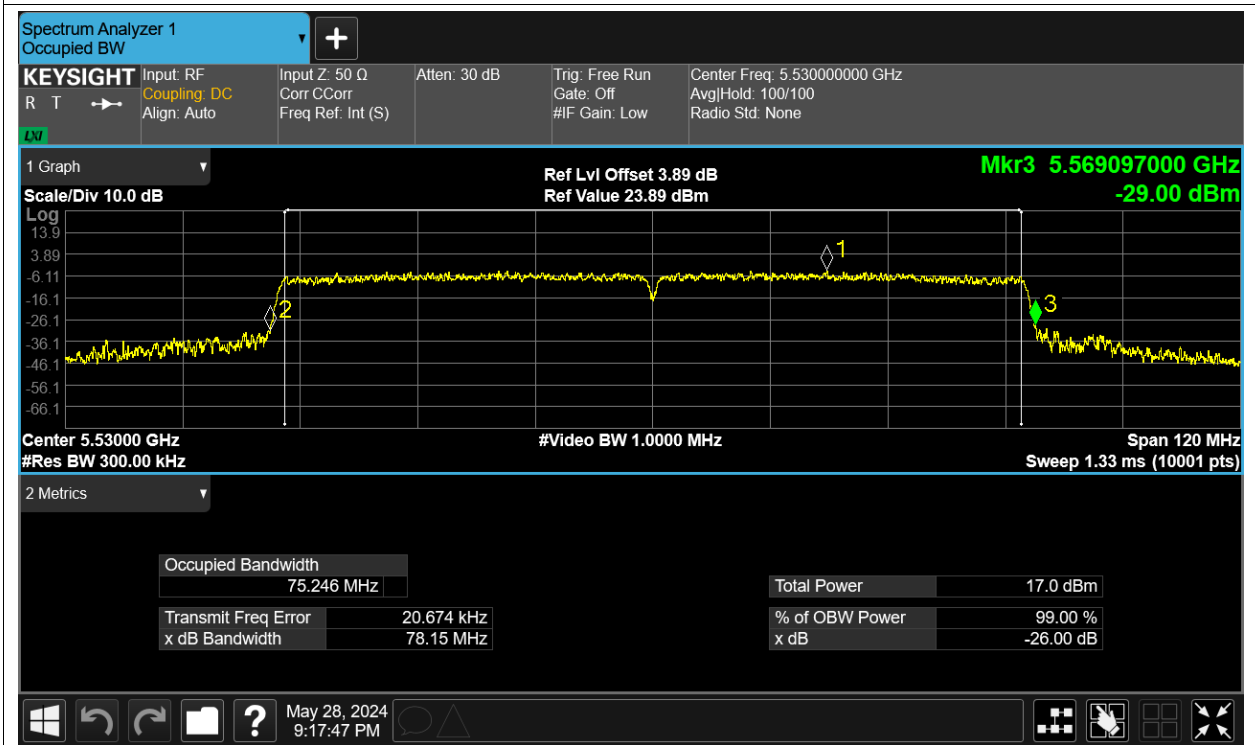
-26dB Bandwidth NVNT ac40 5590MHz Ant12



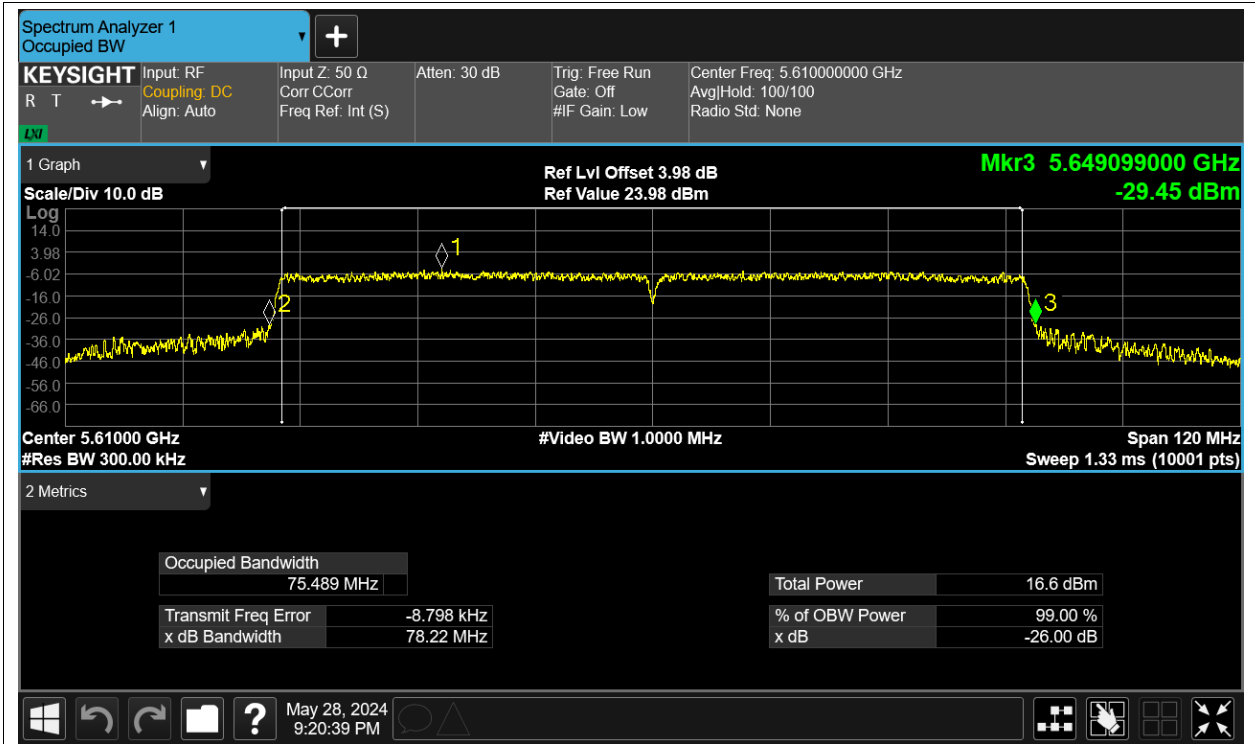
-26dB Bandwidth NVNT ac40 5670MHz Ant12



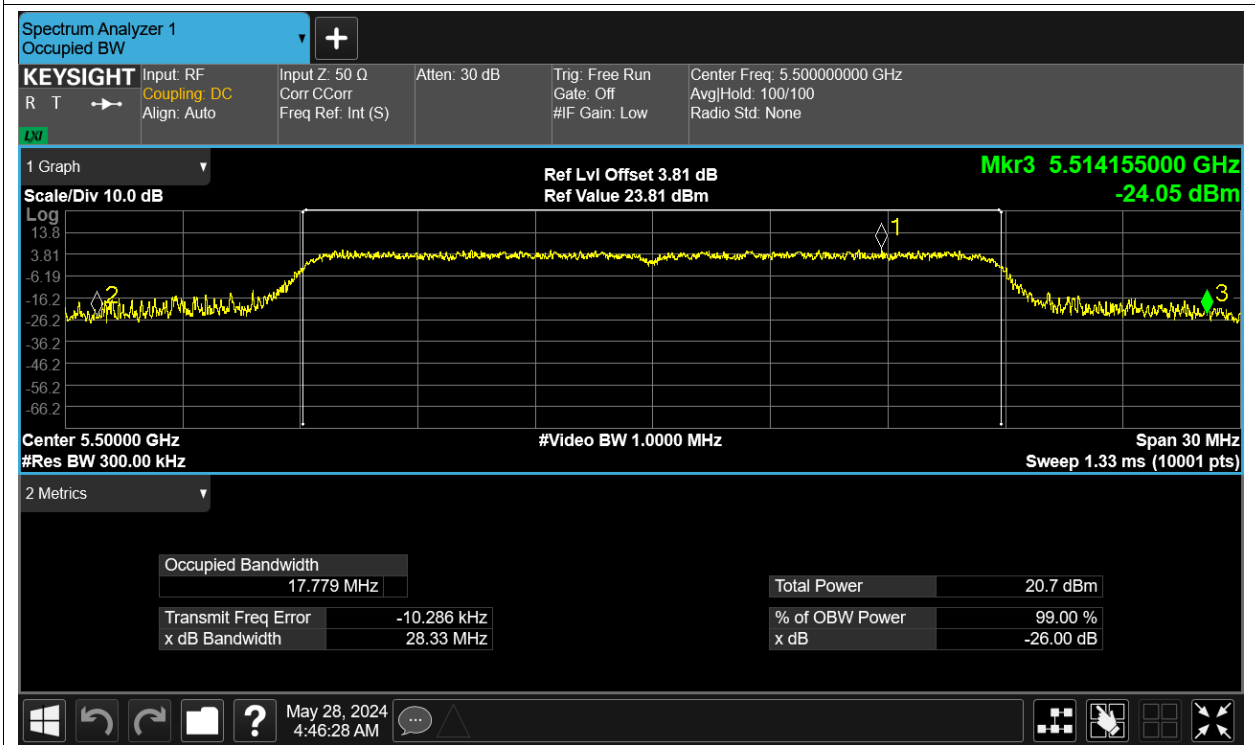
-26dB Bandwidth NVNT ac80 5530MHz Ant12



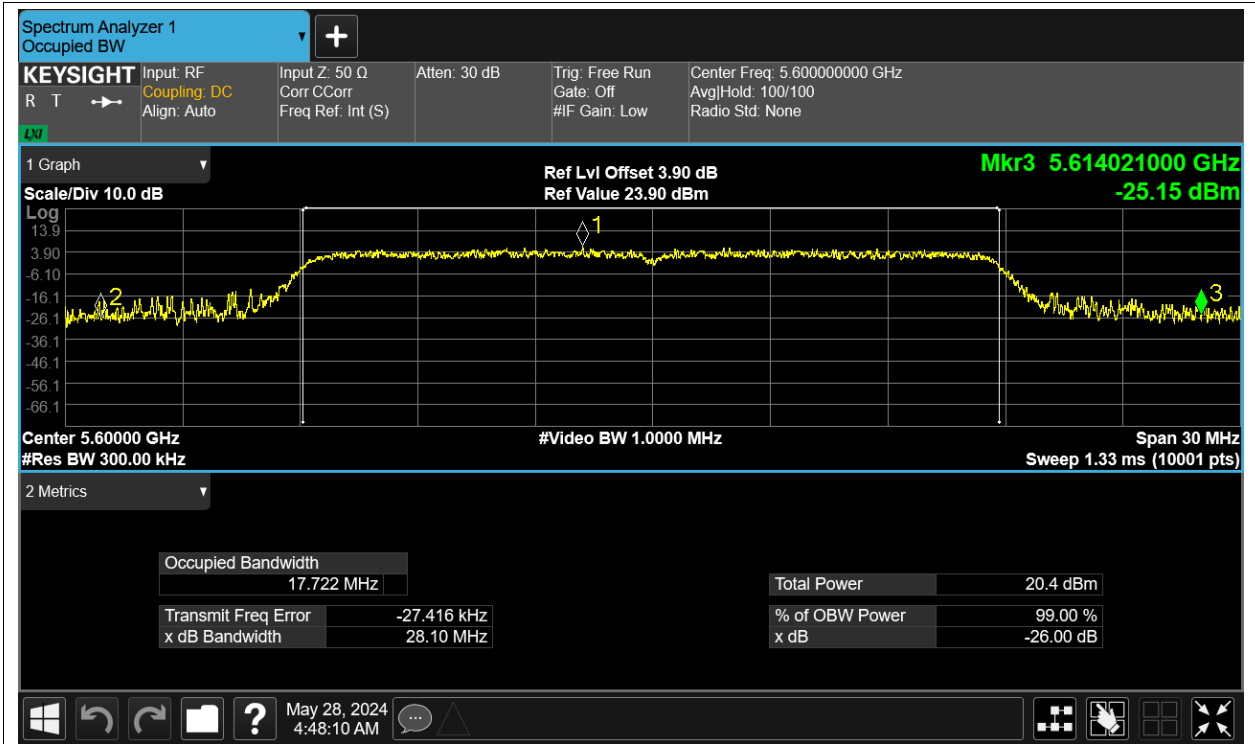
-26dB Bandwidth NVNT ac80 5610MHz Ant12



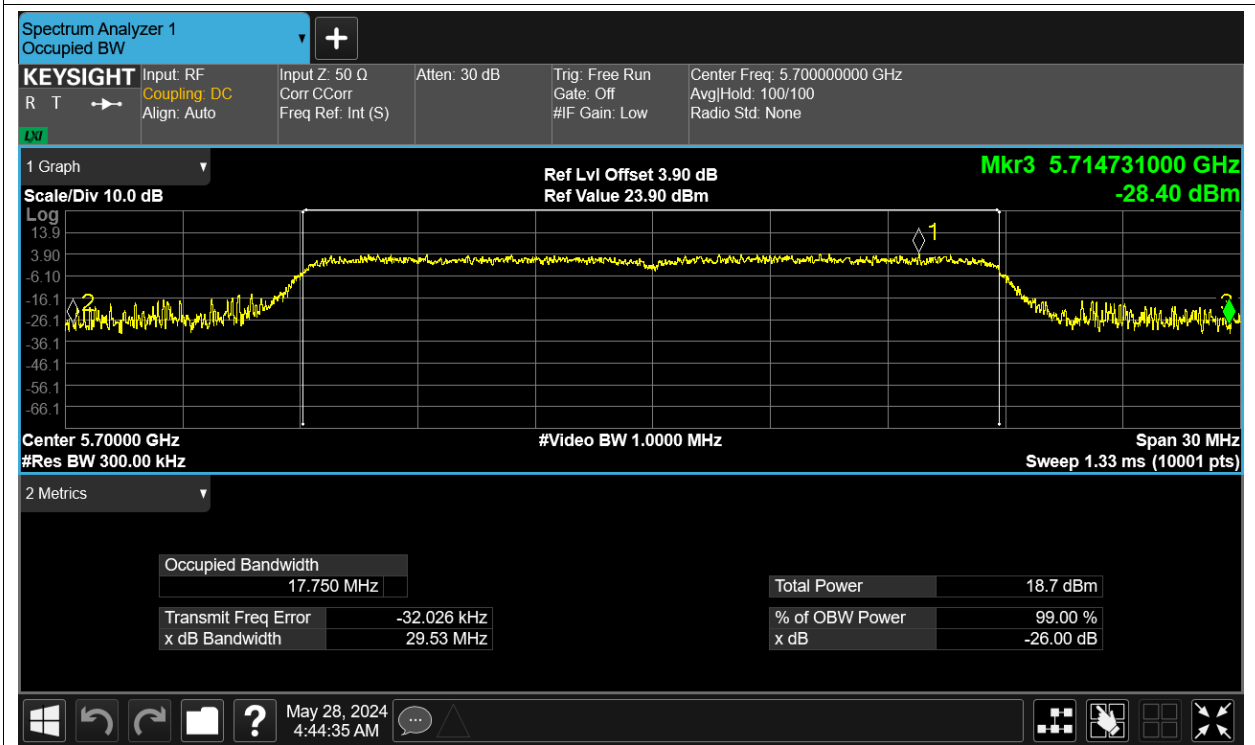
-26dB Bandwidth NVNT n20 5500MHz Ant12



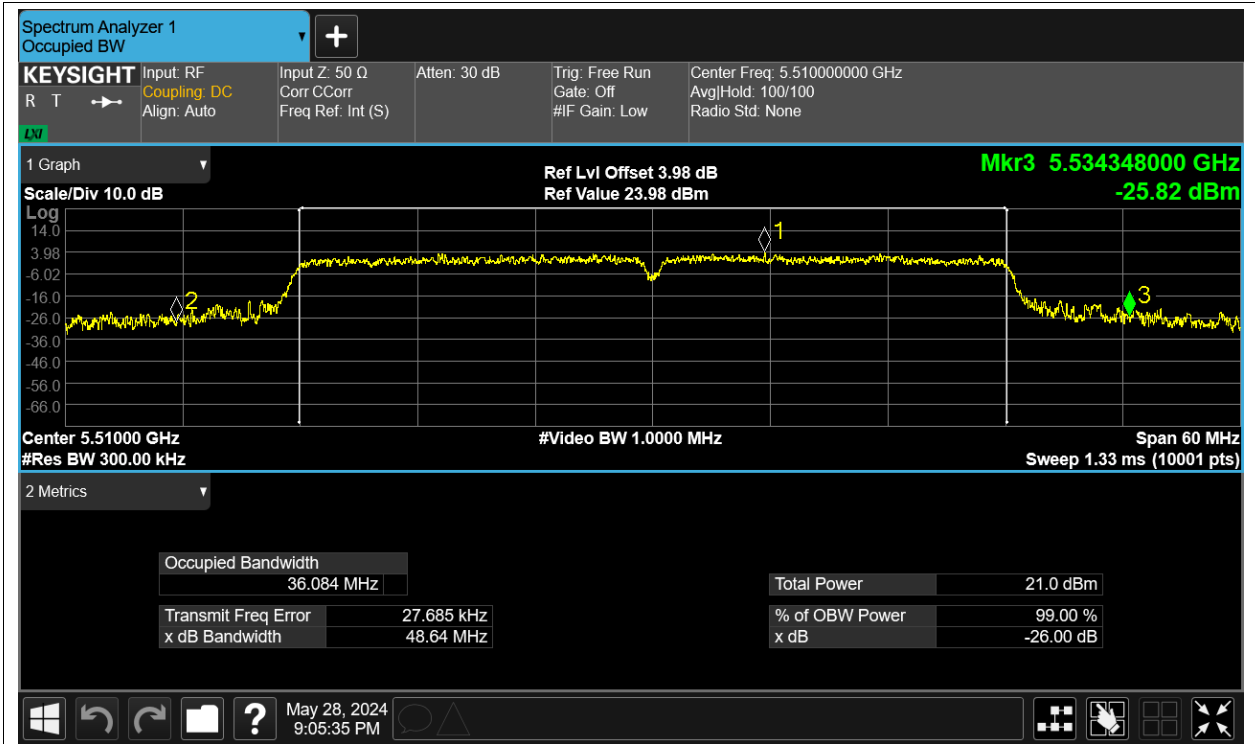
-26dB Bandwidth NVNT n20 5600MHz Ant12



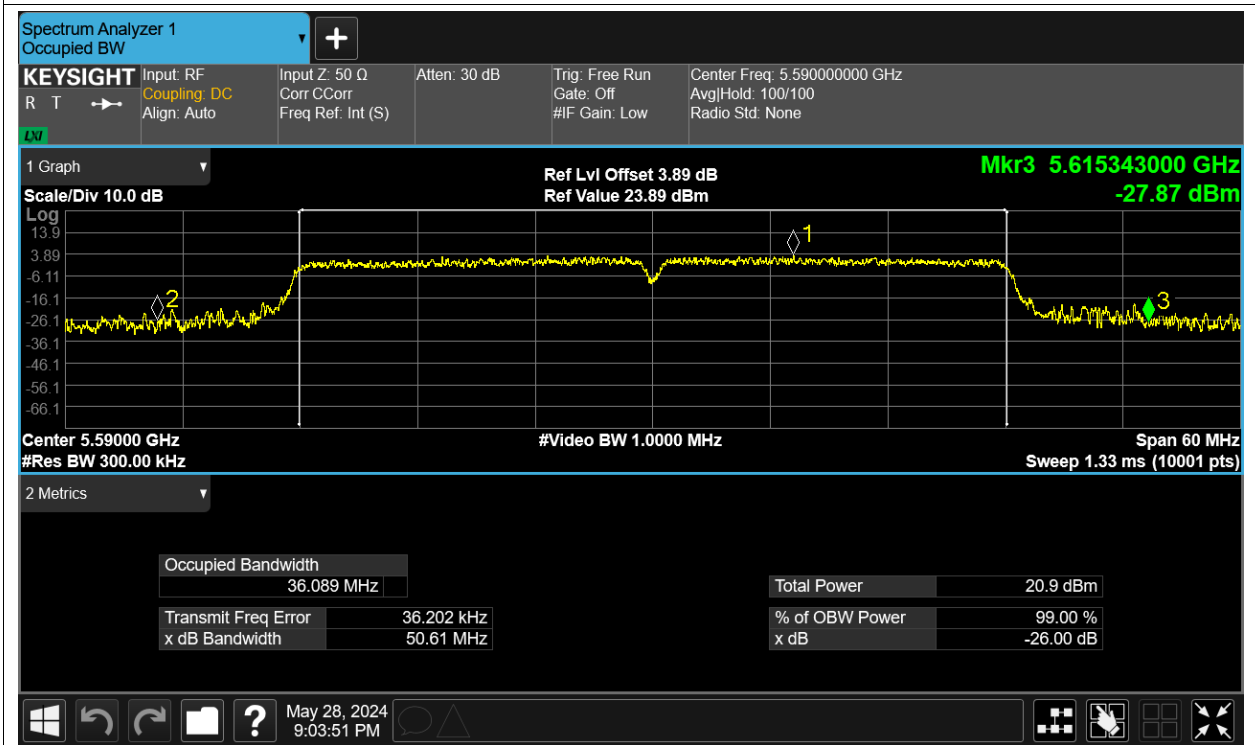
-26dB Bandwidth NVNT n20 5700MHz Ant12



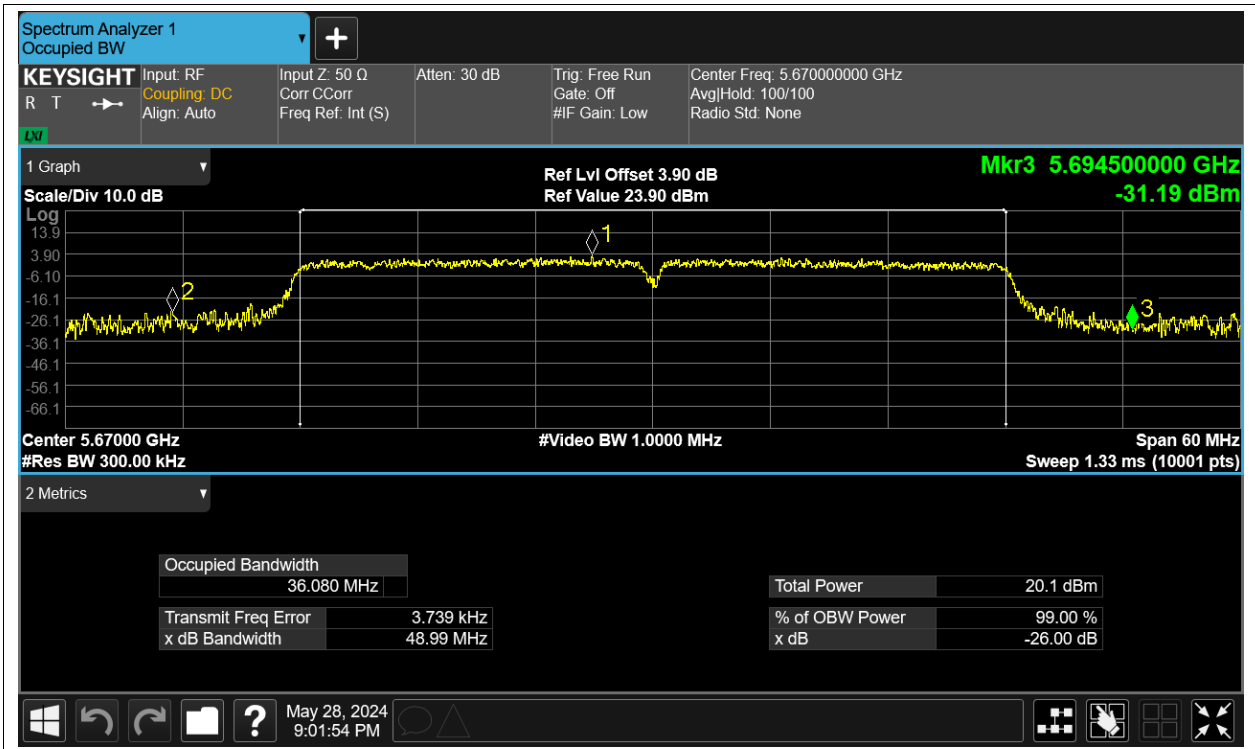
-26dB Bandwidth NVNT n40 5510MHz Ant12



-26dB Bandwidth NVNT n40 5590MHz Ant12



-26dB Bandwidth NVNT n40 5670MHz Ant12

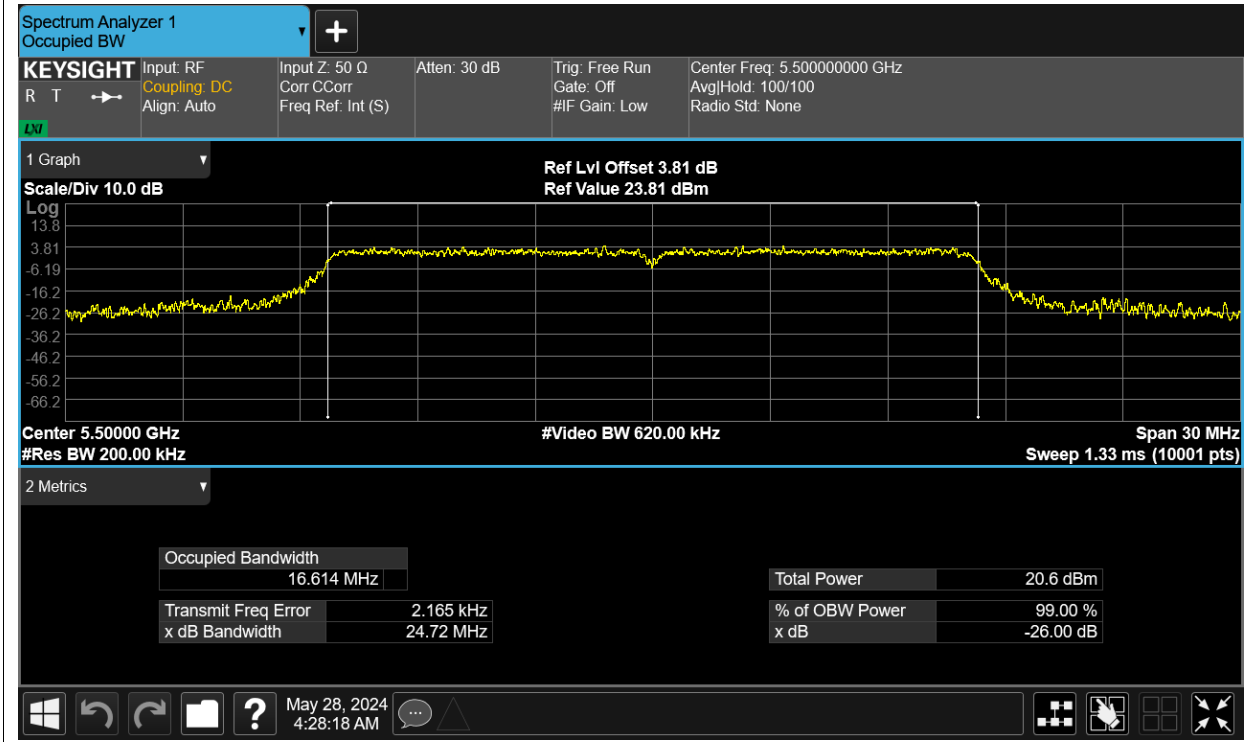


## Occupied Channel Bandwidth

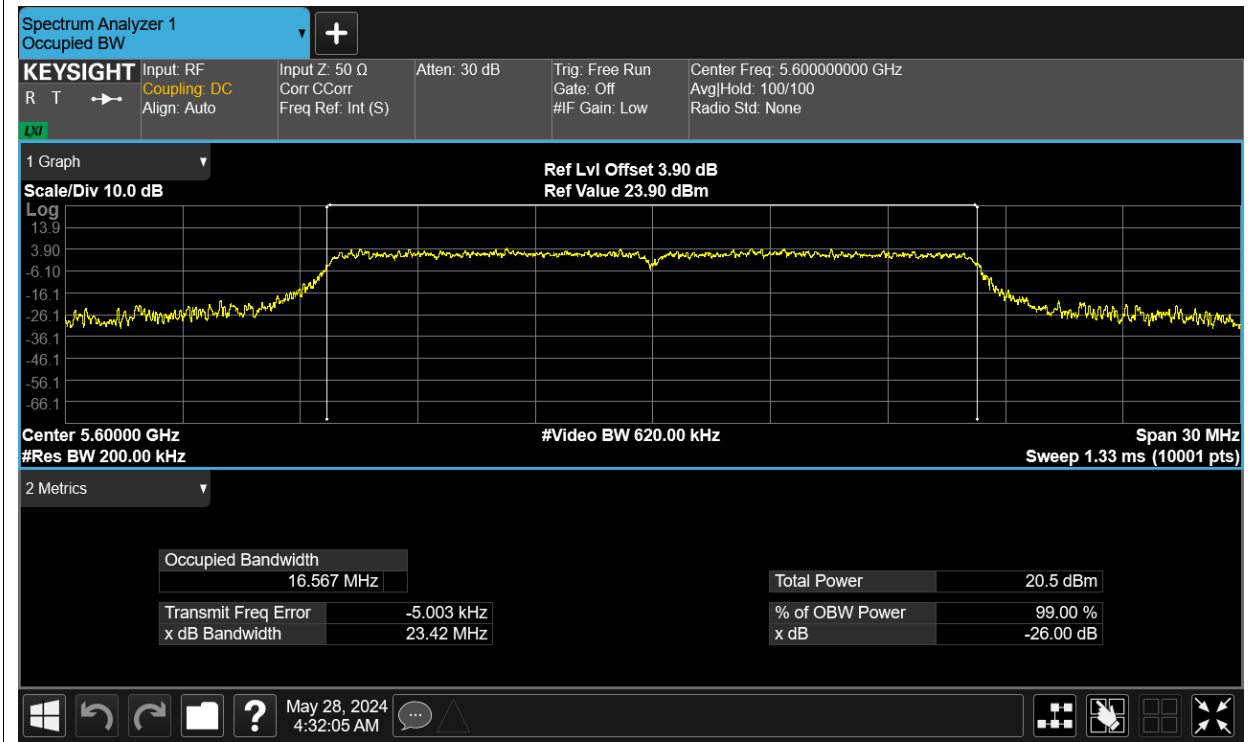
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant12	16.614
NVNT	a	5600	Ant12	16.567
NVNT	a	5700	Ant12	16.552
NVNT	ac20	5500	Ant12	17.621
NVNT	ac20	5600	Ant12	17.616
NVNT	ac20	5700	Ant12	17.623
NVNT	ac40	5510	Ant12	36.112
NVNT	ac40	5590	Ant12	36.097
NVNT	ac40	5670	Ant12	36.098
NVNT	ac80	5530	Ant12	75.359
NVNT	ac80	5610	Ant12	75.505
NVNT	n20	5500	Ant12	17.668
NVNT	n20	5600	Ant12	17.627
NVNT	n20	5700	Ant12	17.616
NVNT	n40	5510	Ant12	36.137
NVNT	n40	5590	Ant12	36.156
NVNT	n40	5670	Ant12	36.112

Test Graphs

OBW NVNT a 5500MHz Ant12

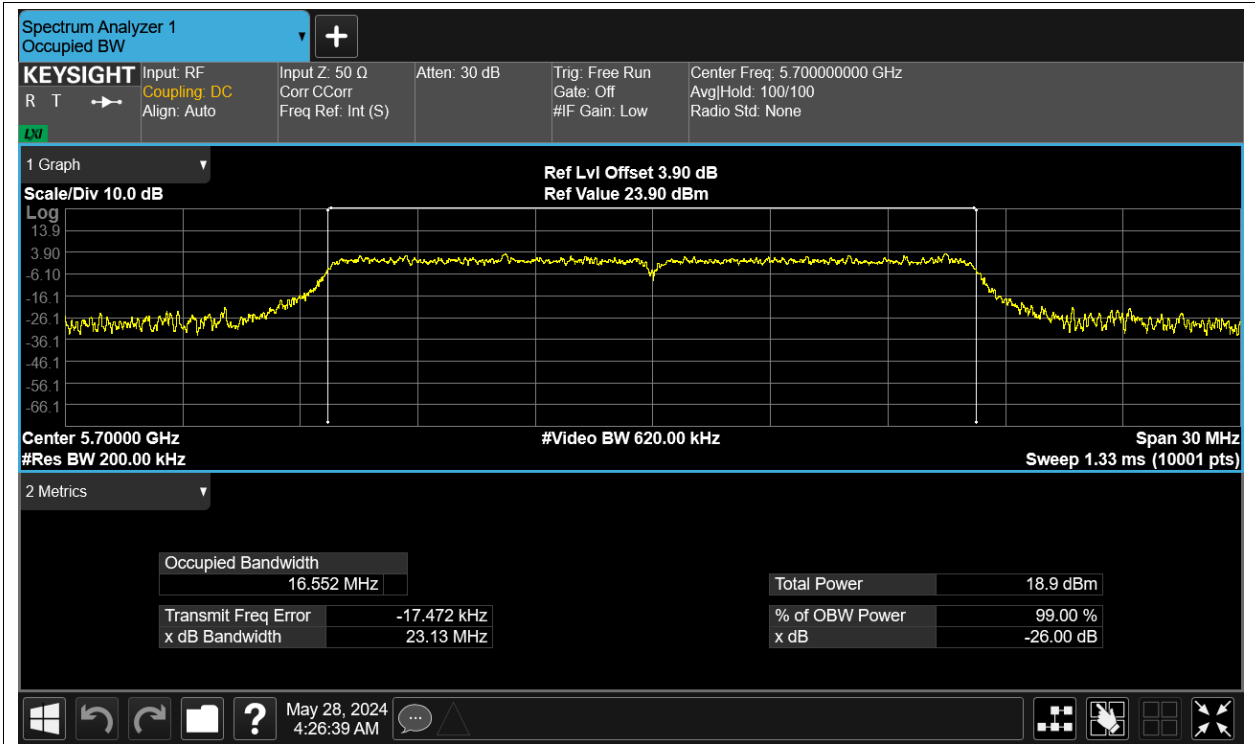


OBW NVNT a 5600MHz Ant12

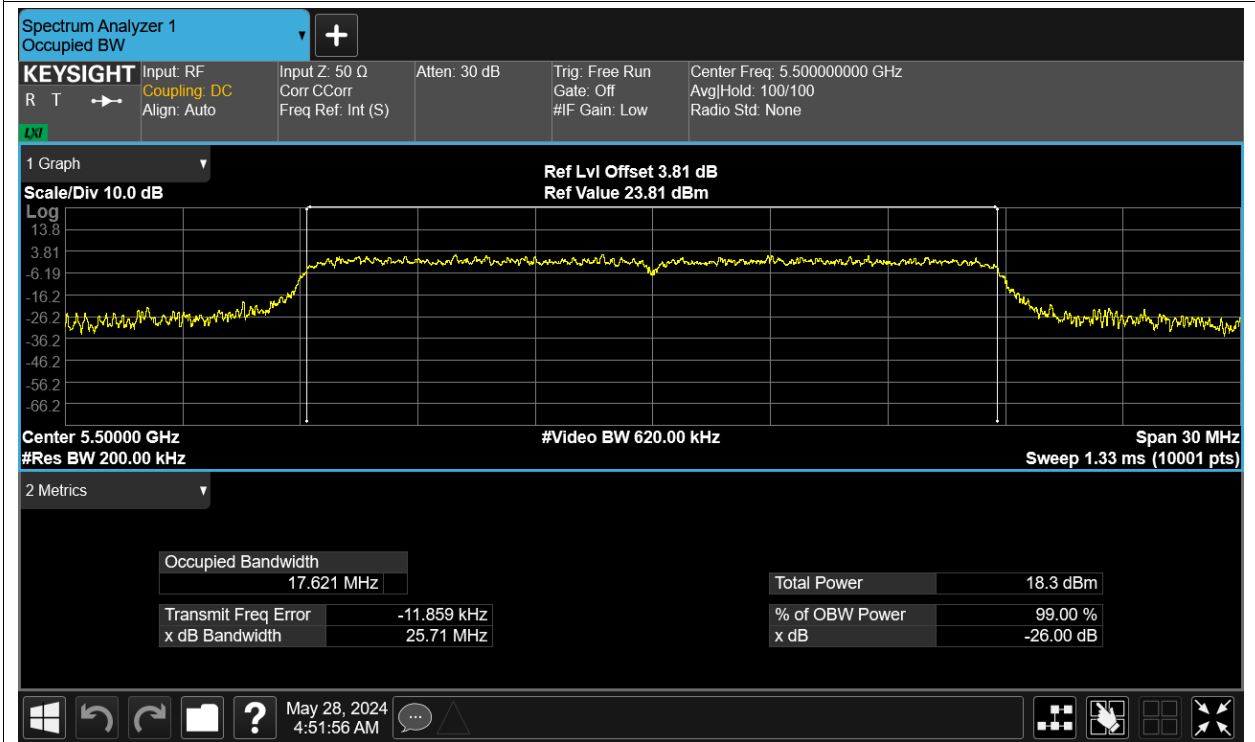


OBW NVNT a 5700MHz Ant12

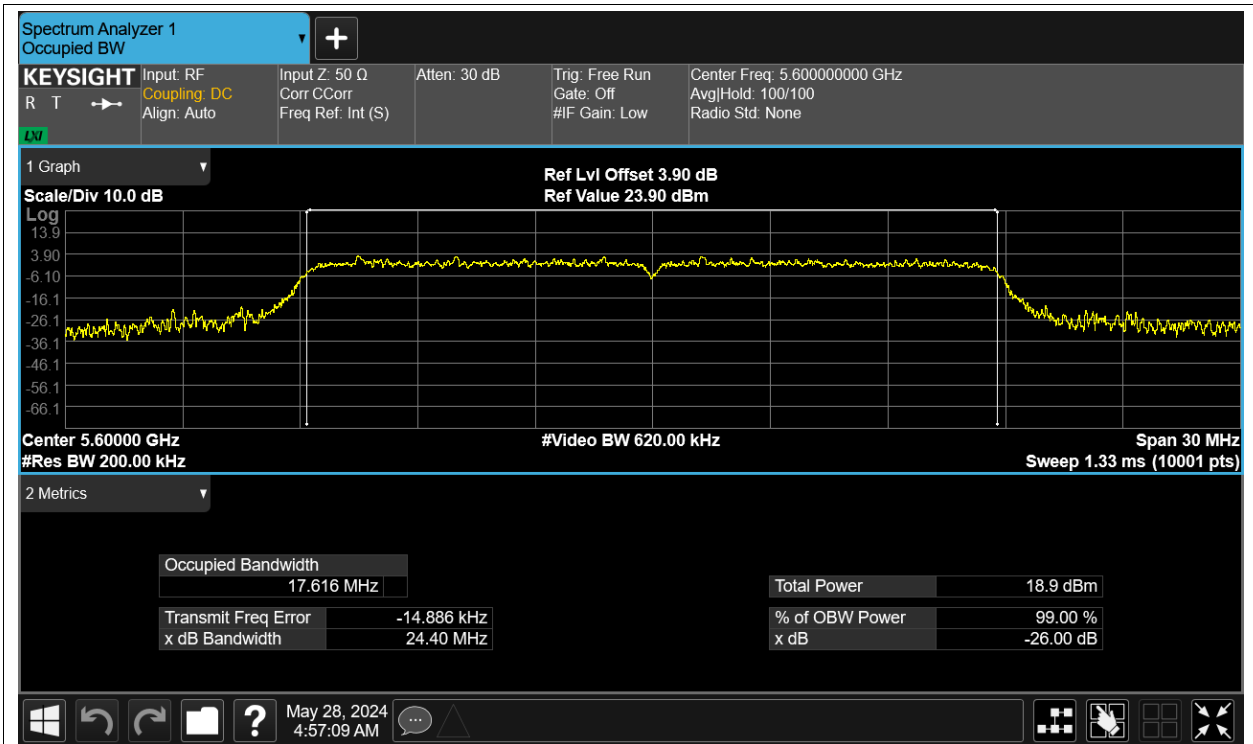




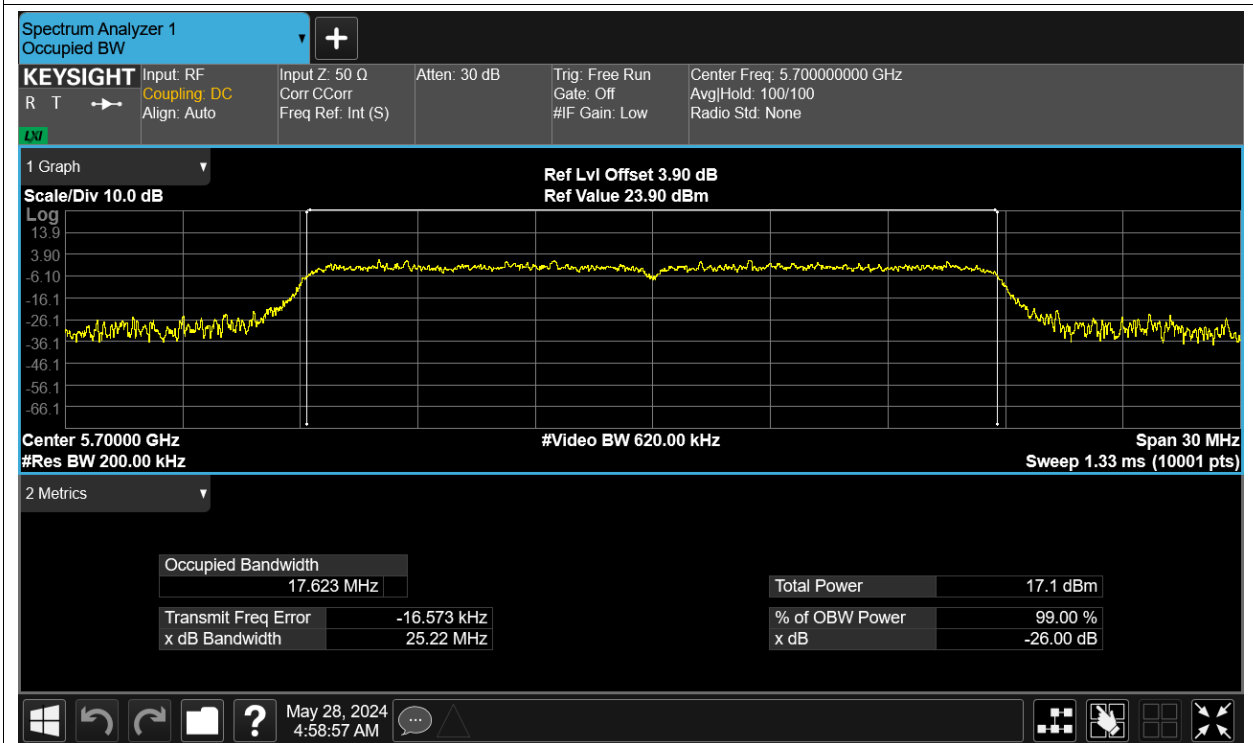
OBW NVNT ac20 5500MHz Ant12



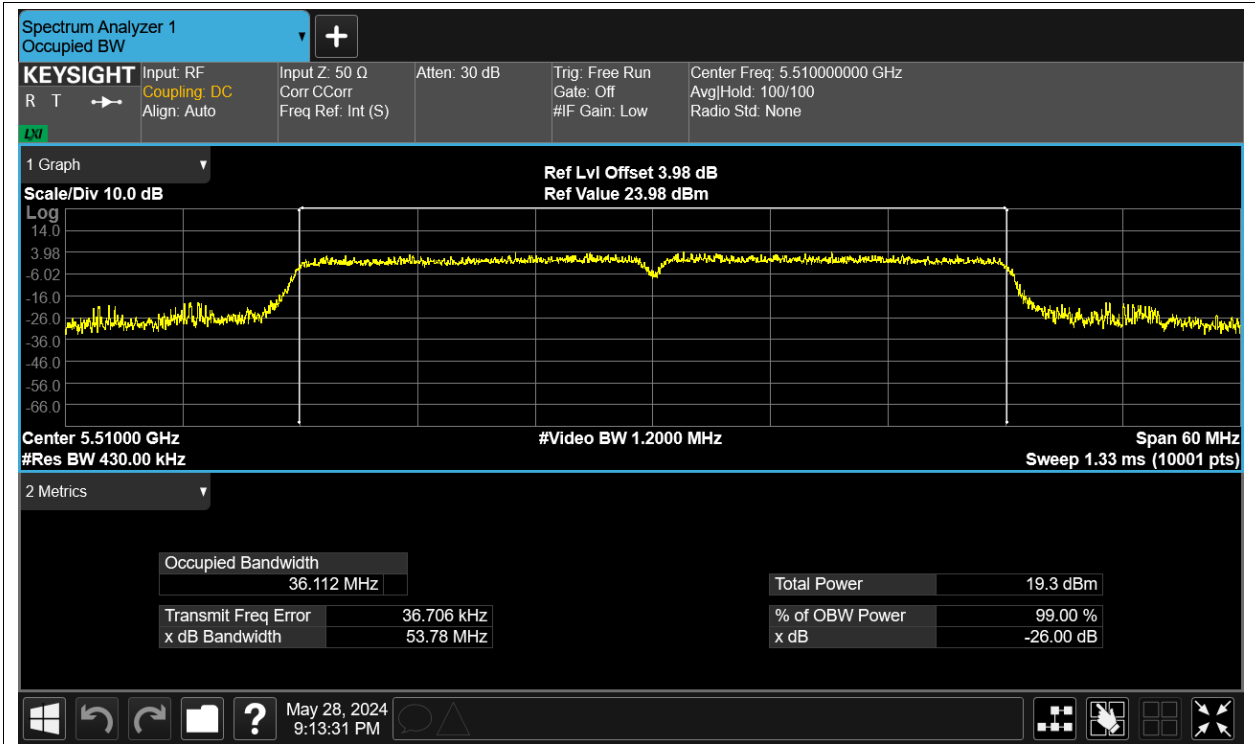
OBW NVNT ac20 5600MHz Ant12



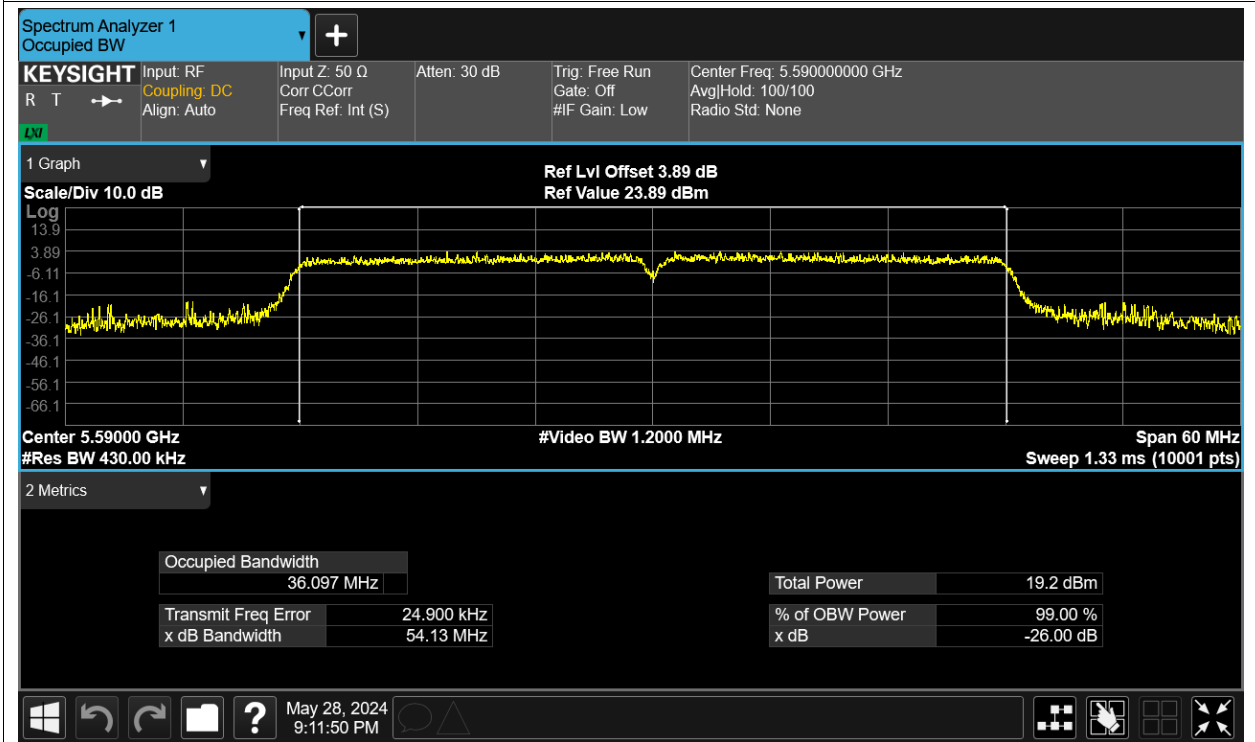
OBW NVNT ac20 5700MHz Ant12



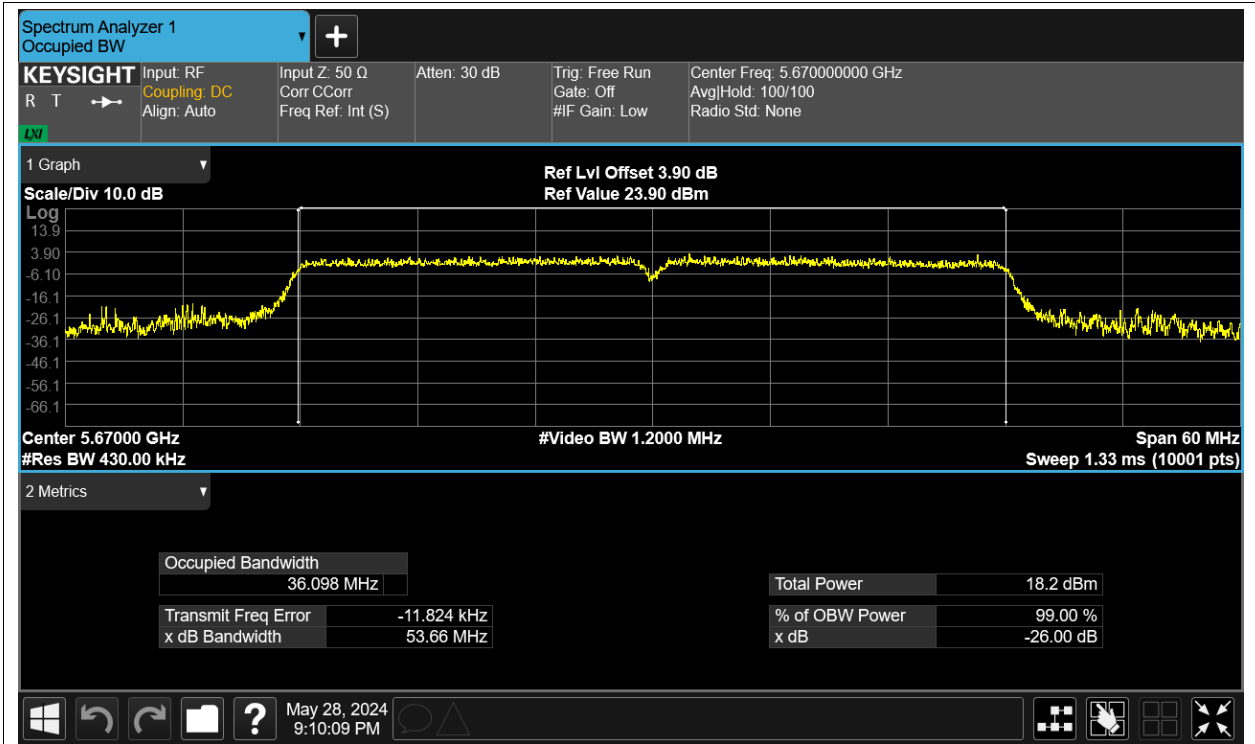
OBW NVNT ac40 5510MHz Ant12



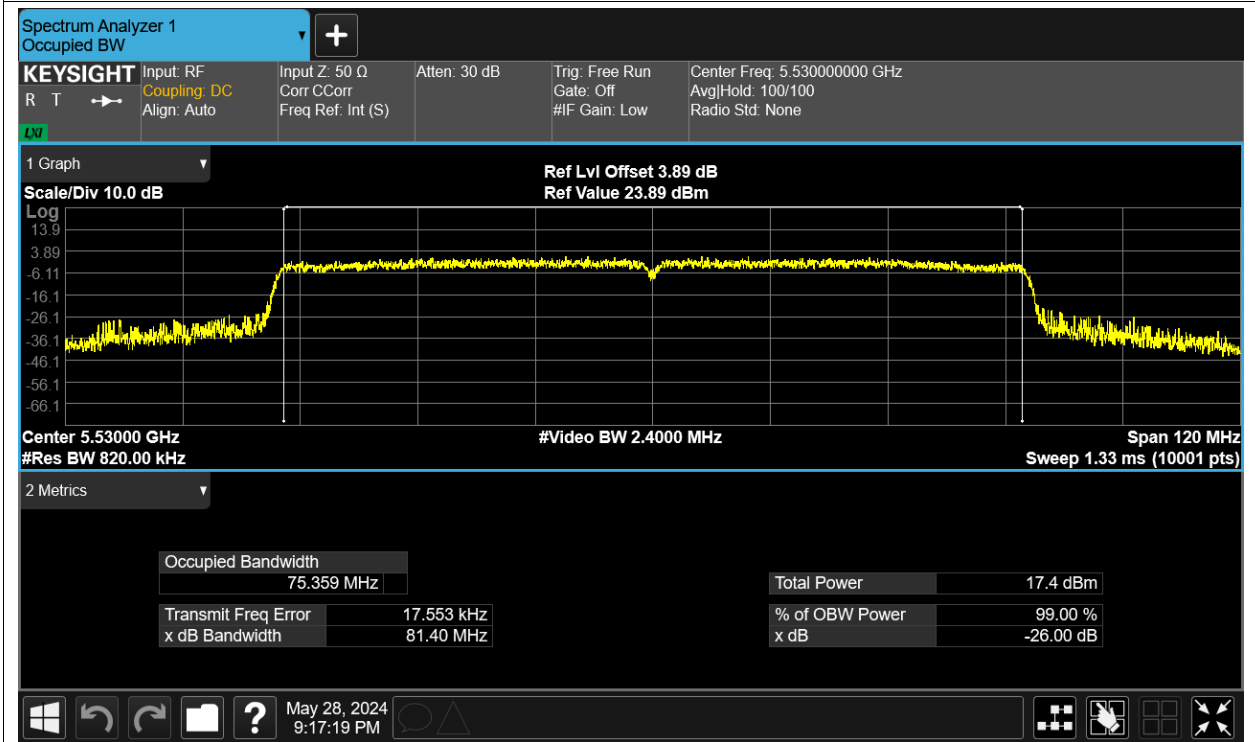
OBW NVNT ac40 5590MHz Ant12



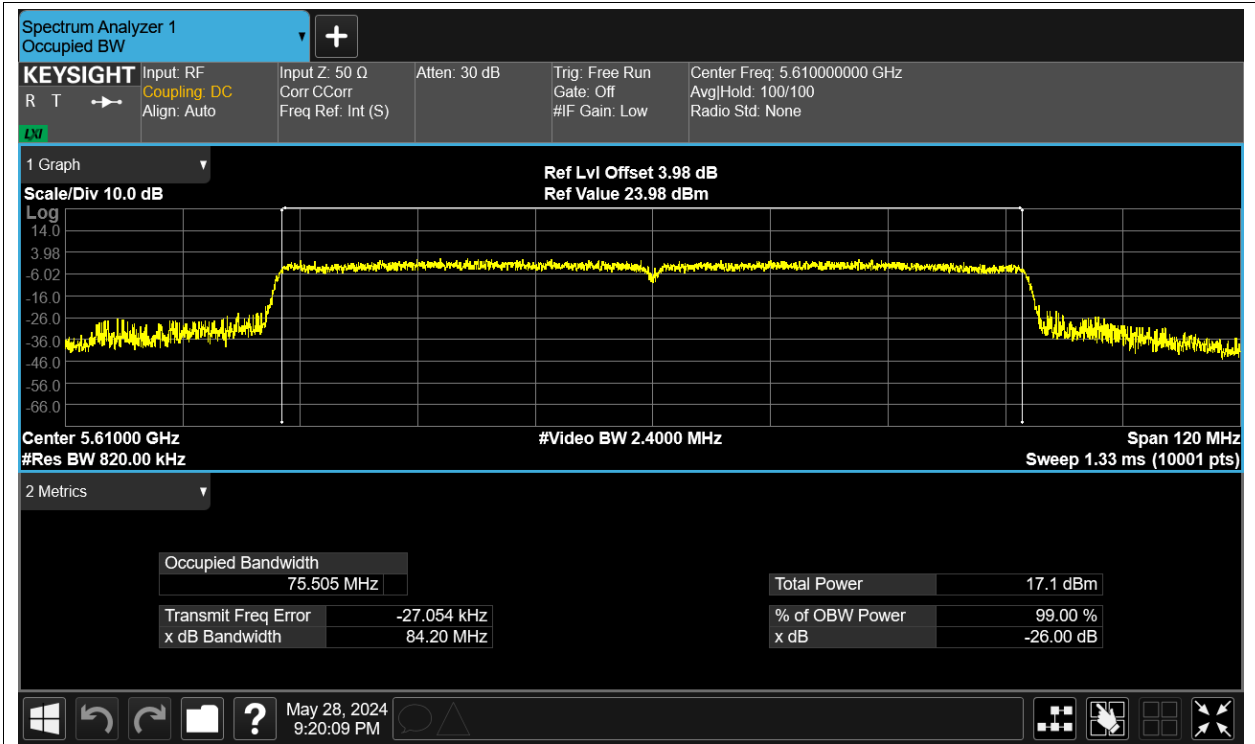
OBW NVNT ac40 5670MHz Ant12



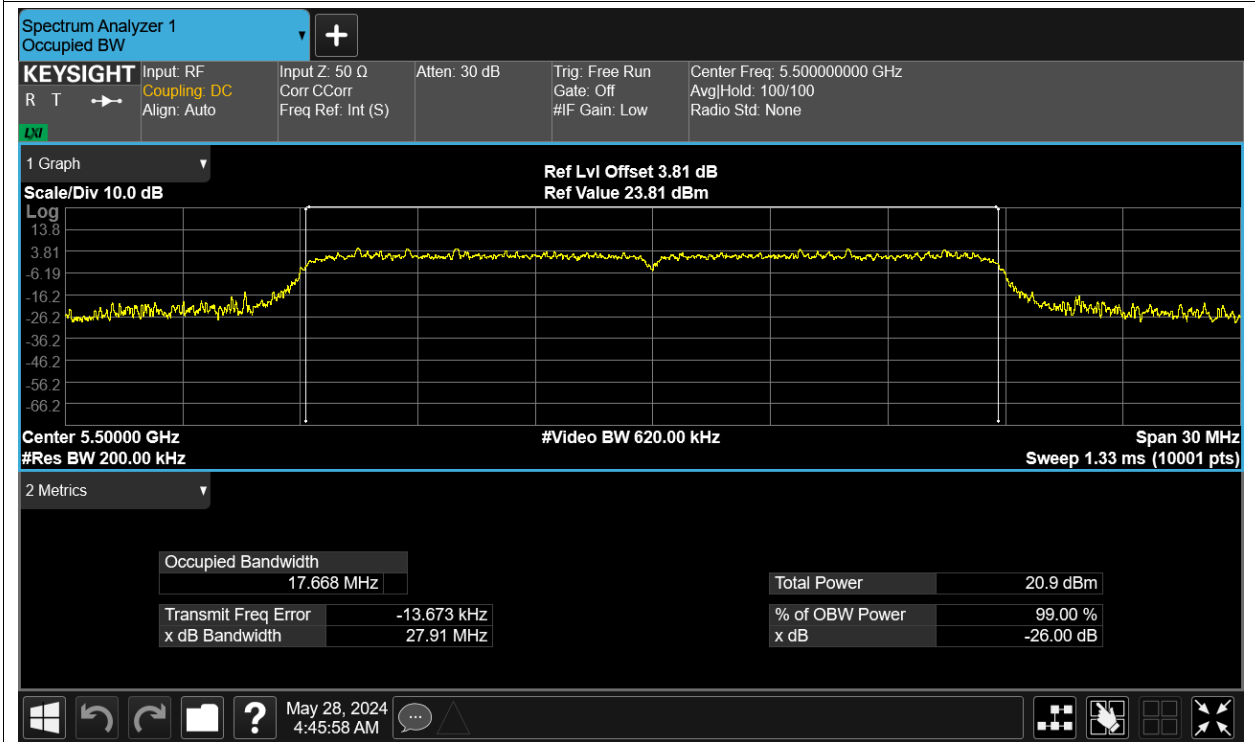
OBW NVNT ac80 5530MHz Ant12



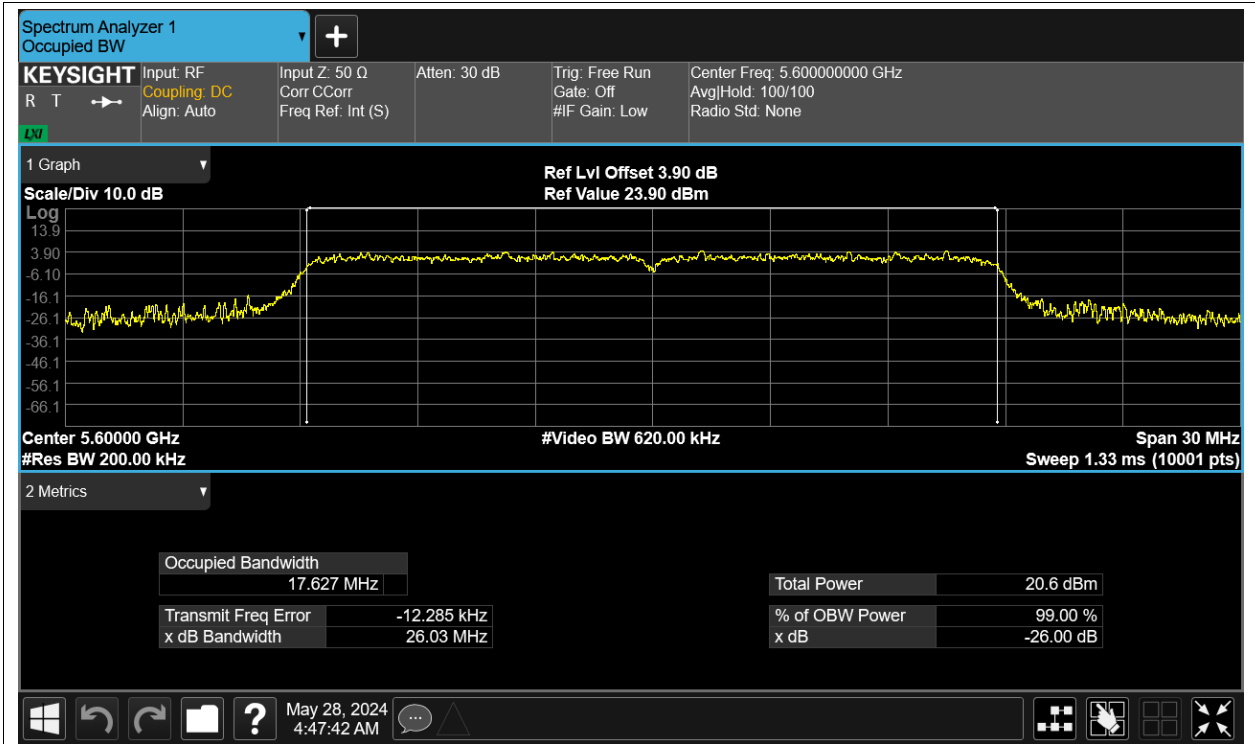
OBW NVNT ac80 5610MHz Ant12



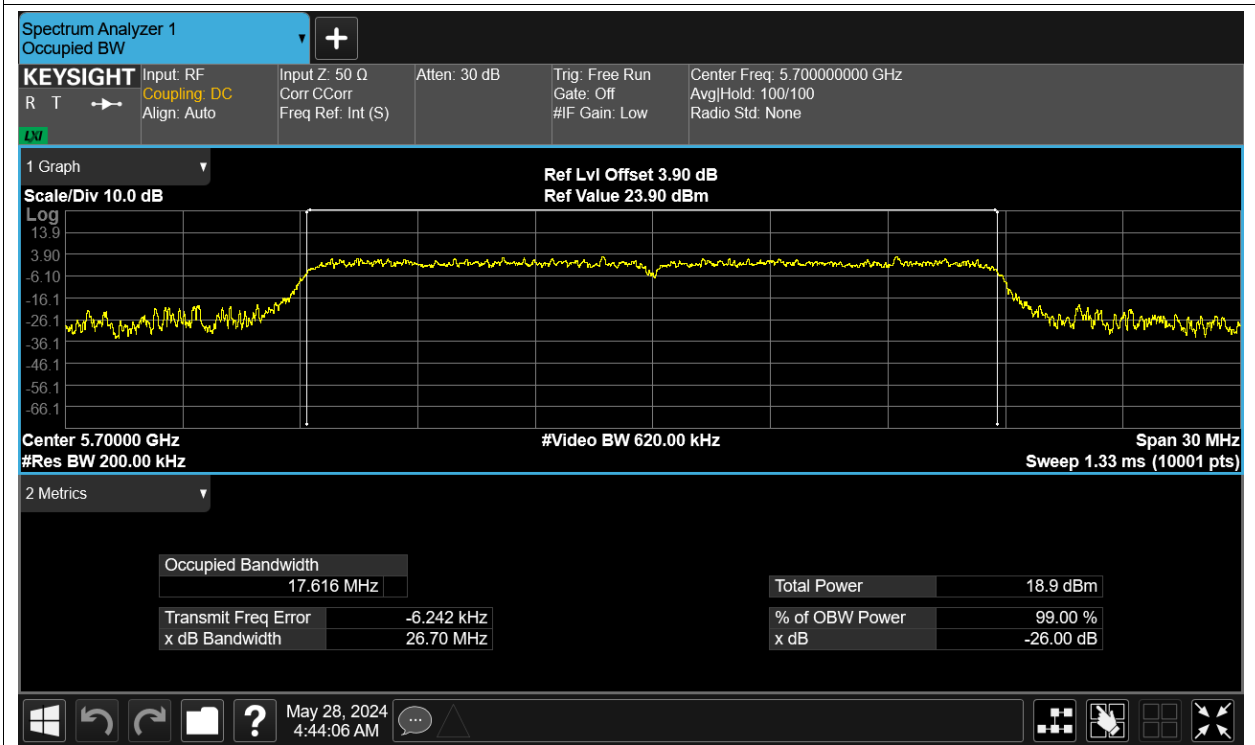
OBW NVNT n20 5500MHz Ant12



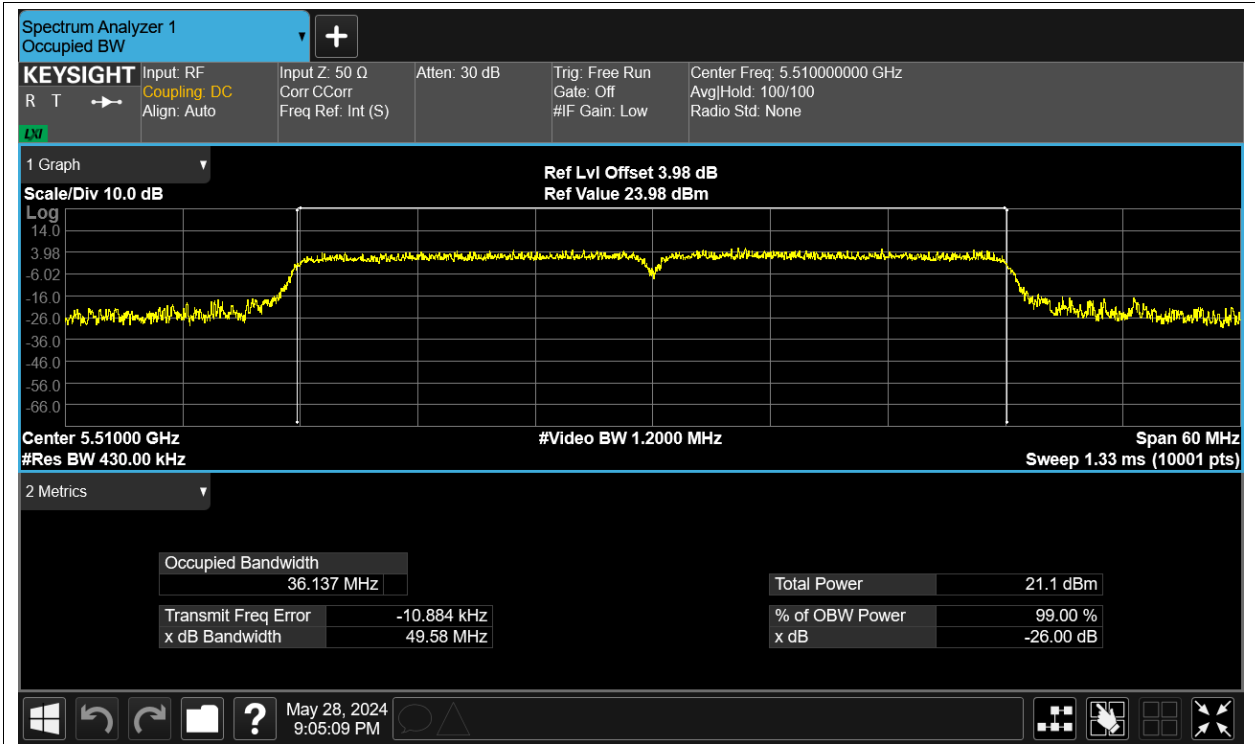
OBW NVNT n20 5600MHz Ant12



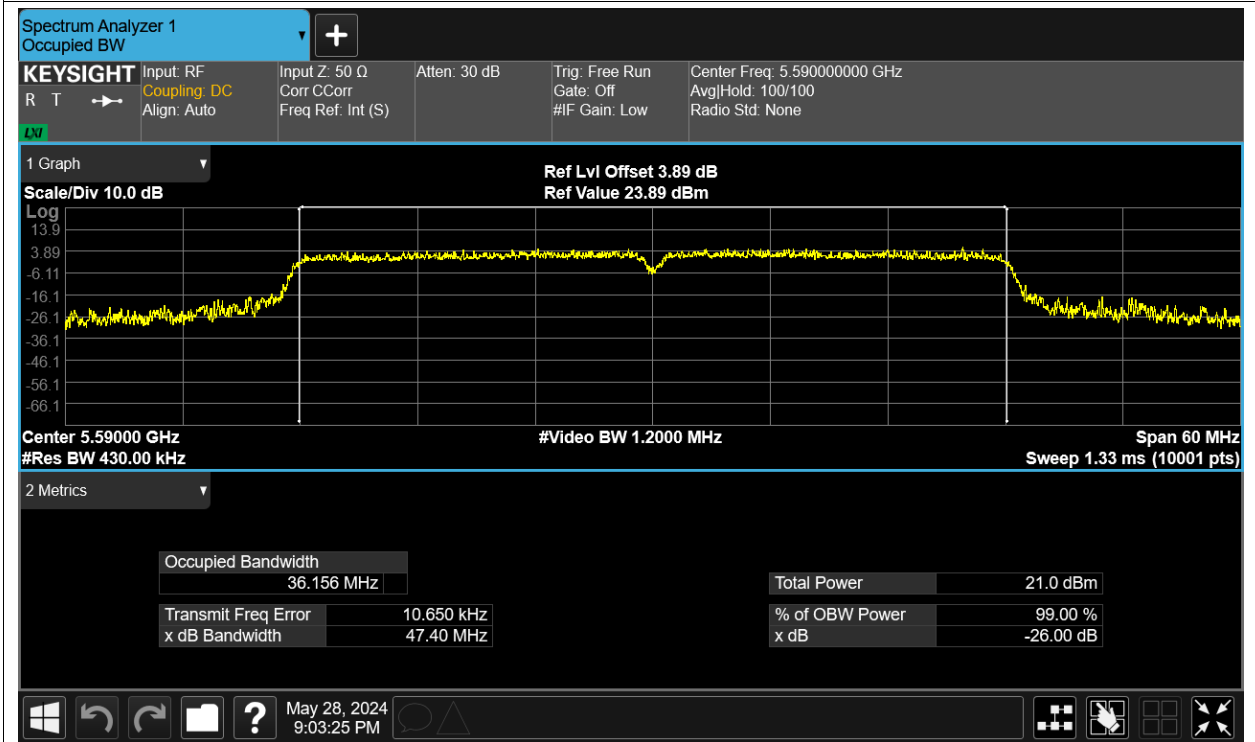
OBW NVNT n20 5700MHz Ant12



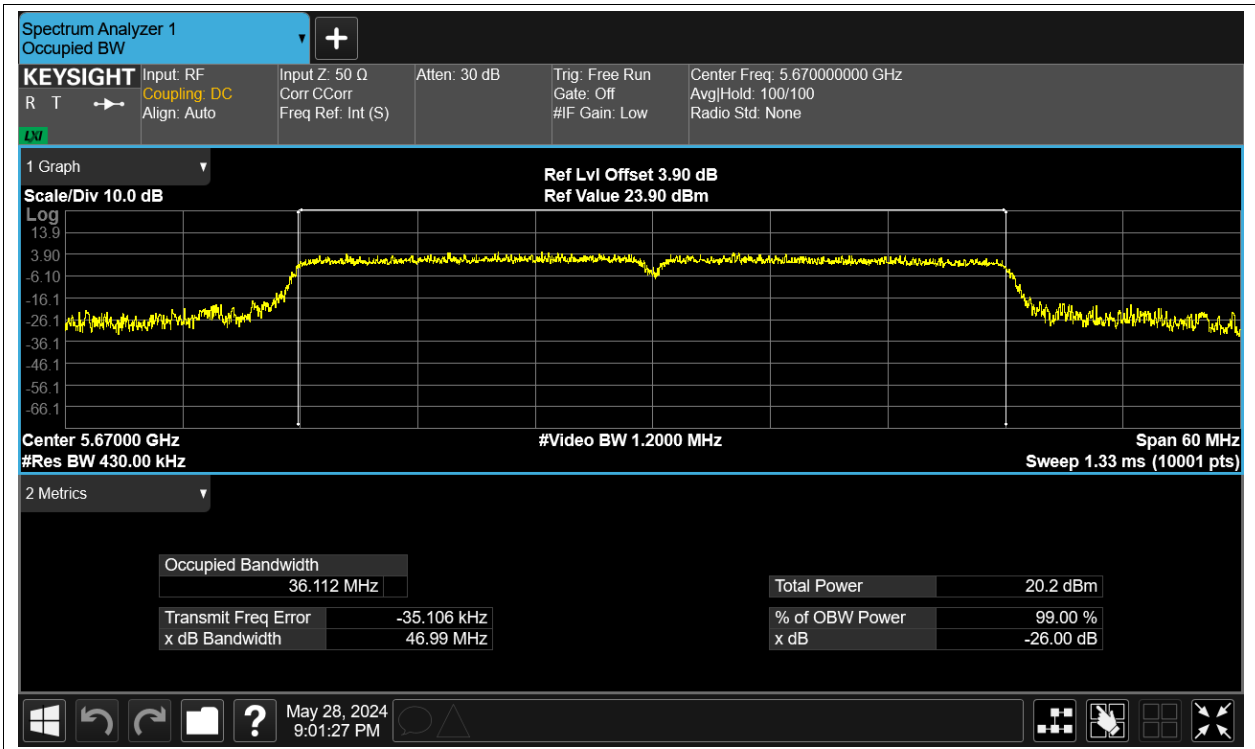
OBW NVNT n40 5510MHz Ant12



OBW NVNT n40 5590MHz Ant12



OBW NVNT n40 5670MHz Ant12



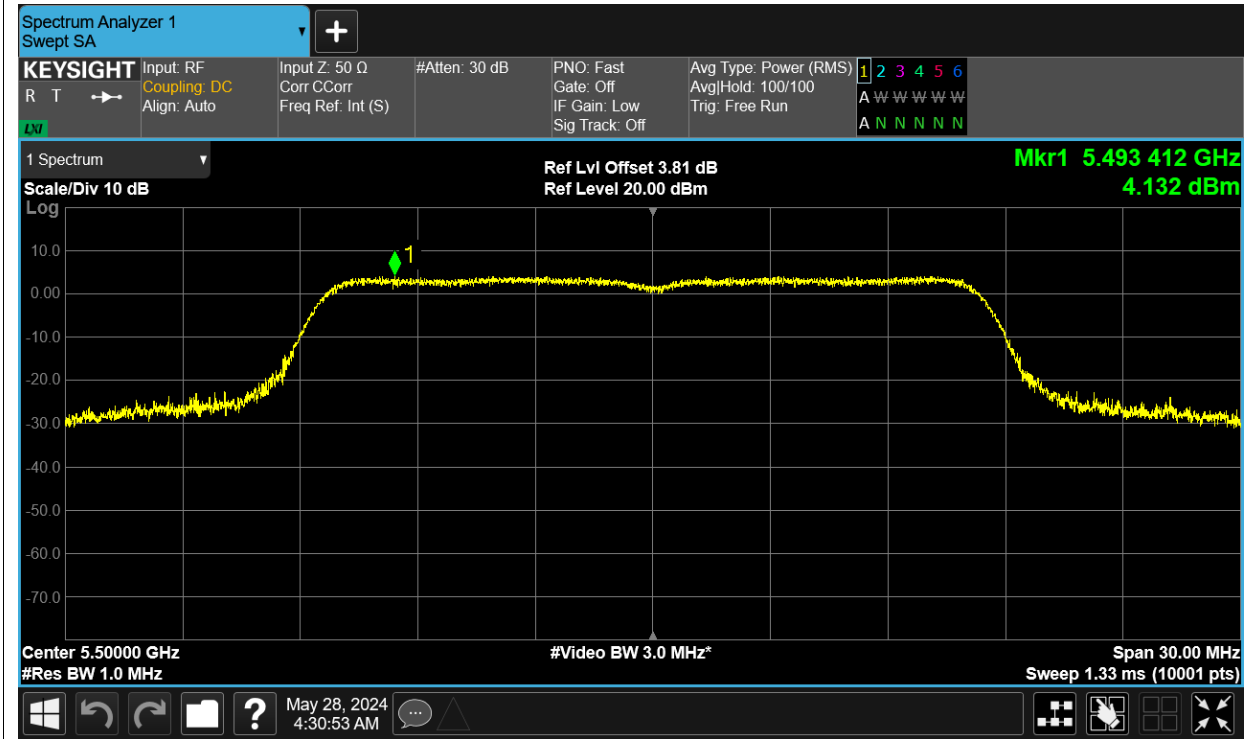


## Maximum Power Spectral Density Level

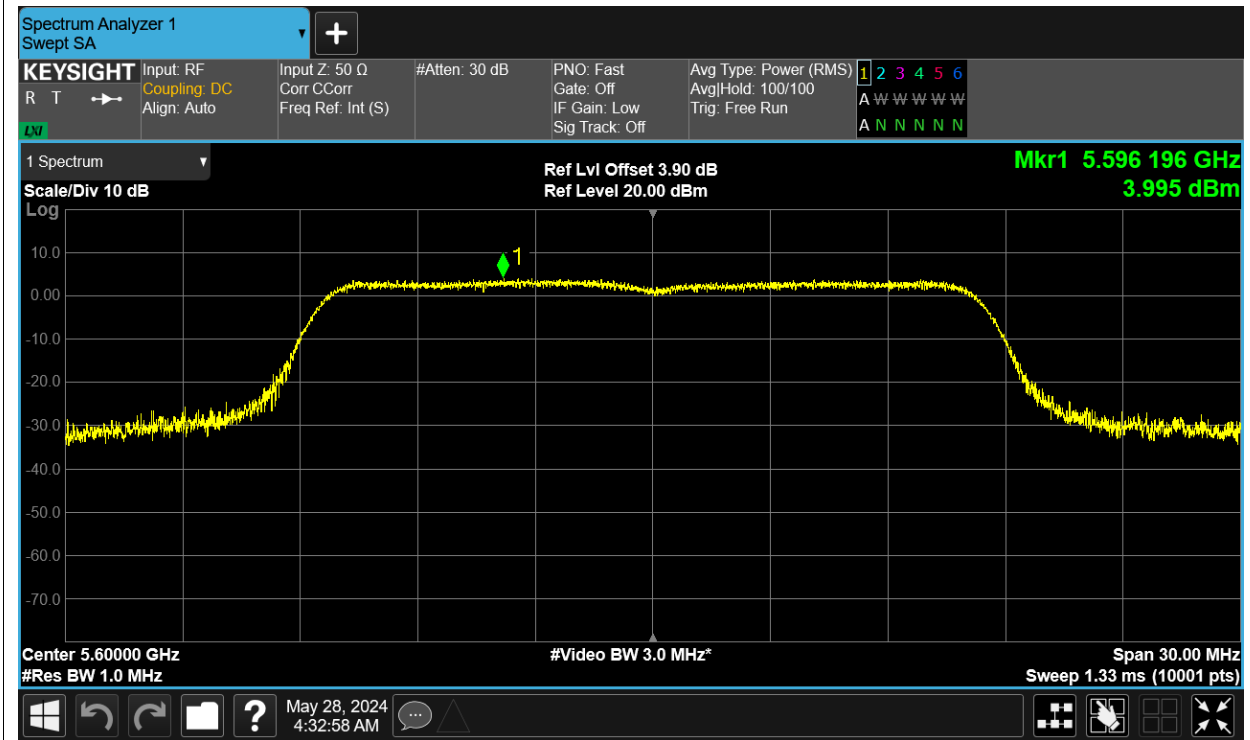
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant12	4.132	11	Pass
NVNT	a	5600	Ant12	3.995	11	Pass
NVNT	a	5700	Ant12	2.245	11	Pass
NVNT	ac20	5500	Ant12	1.692	11	Pass
NVNT	ac20	5600	Ant12	2.114	11	Pass
NVNT	ac20	5700	Ant12	0.332	11	Pass
NVNT	ac40	5510	Ant12	-0.759	11	Pass
NVNT	ac40	5590	Ant12	-0.587	11	Pass
NVNT	ac40	5670	Ant12	-1.435	11	Pass
NVNT	ac80	5530	Ant12	-7.181	11	Pass
NVNT	ac80	5610	Ant12	-7.189	11	Pass
NVNT	n20	5500	Ant12	4.104	11	Pass
NVNT	n20	5600	Ant12	3.618	11	Pass
NVNT	n20	5700	Ant12	2.214	11	Pass
NVNT	n40	5510	Ant12	1.136	11	Pass
NVNT	n40	5590	Ant12	1.077	11	Pass
NVNT	n40	5667	Ant12	0.462	11	Pass

Test Graphs

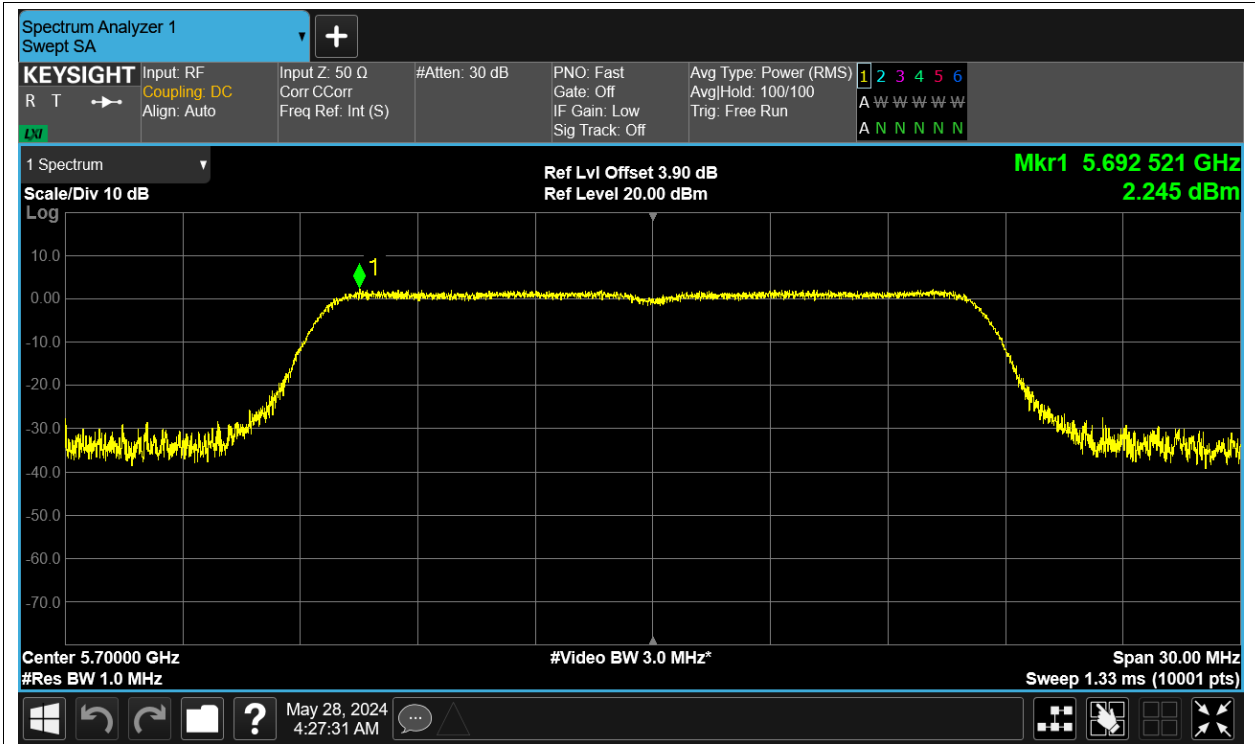
PSD NVNT a 5500MHz Ant12



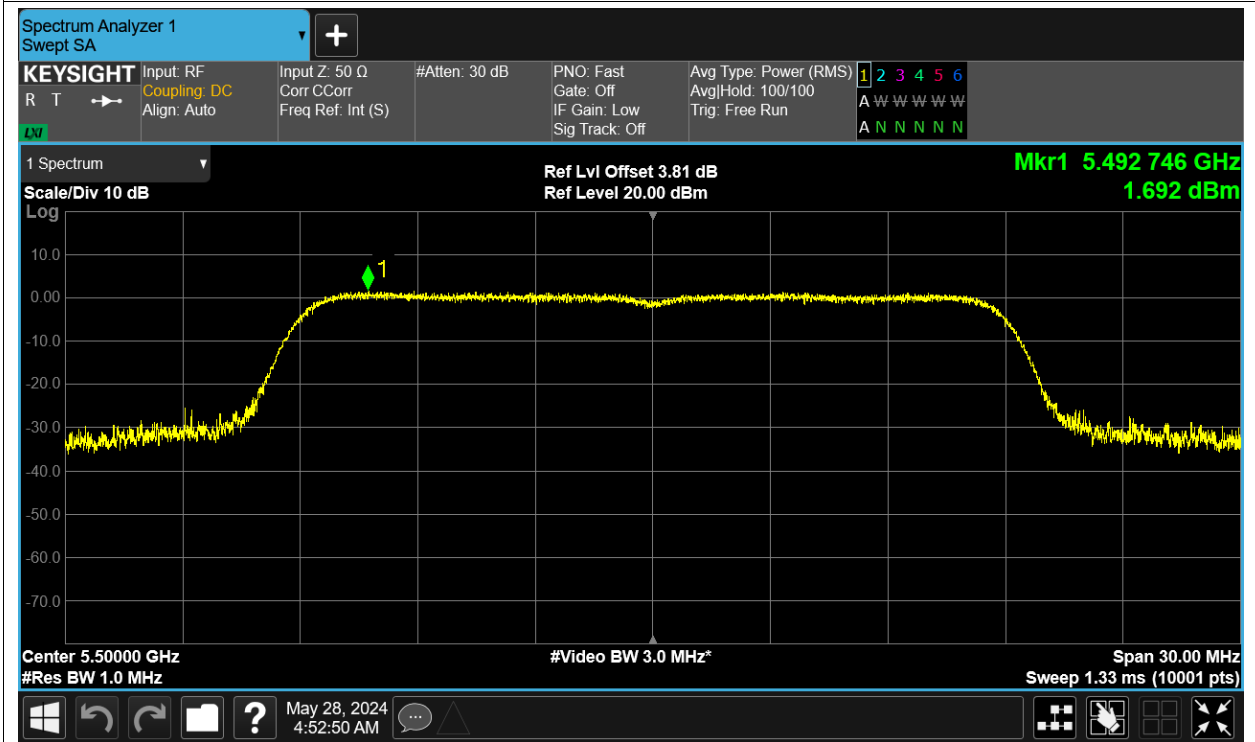
PSD NVNT a 5600MHz Ant12



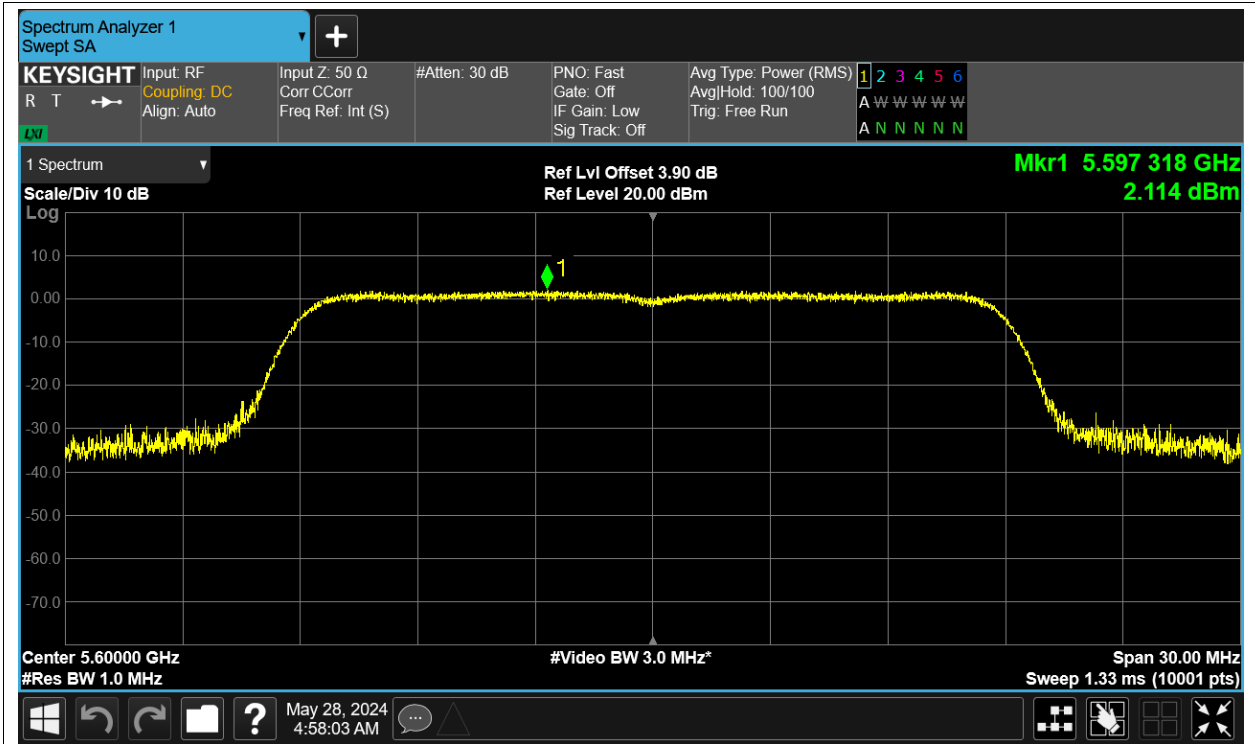
PSD NVNT a 5700MHz Ant12



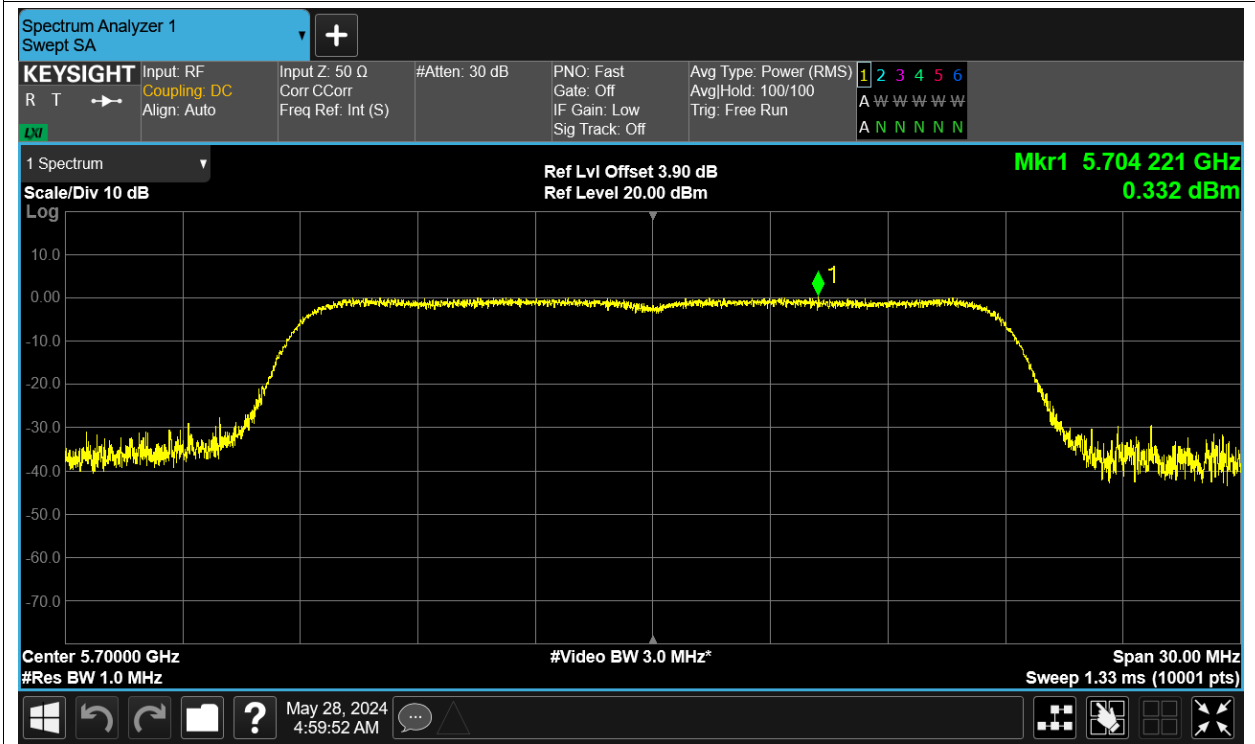
PSD NVNT ac20 5500MHz Ant12



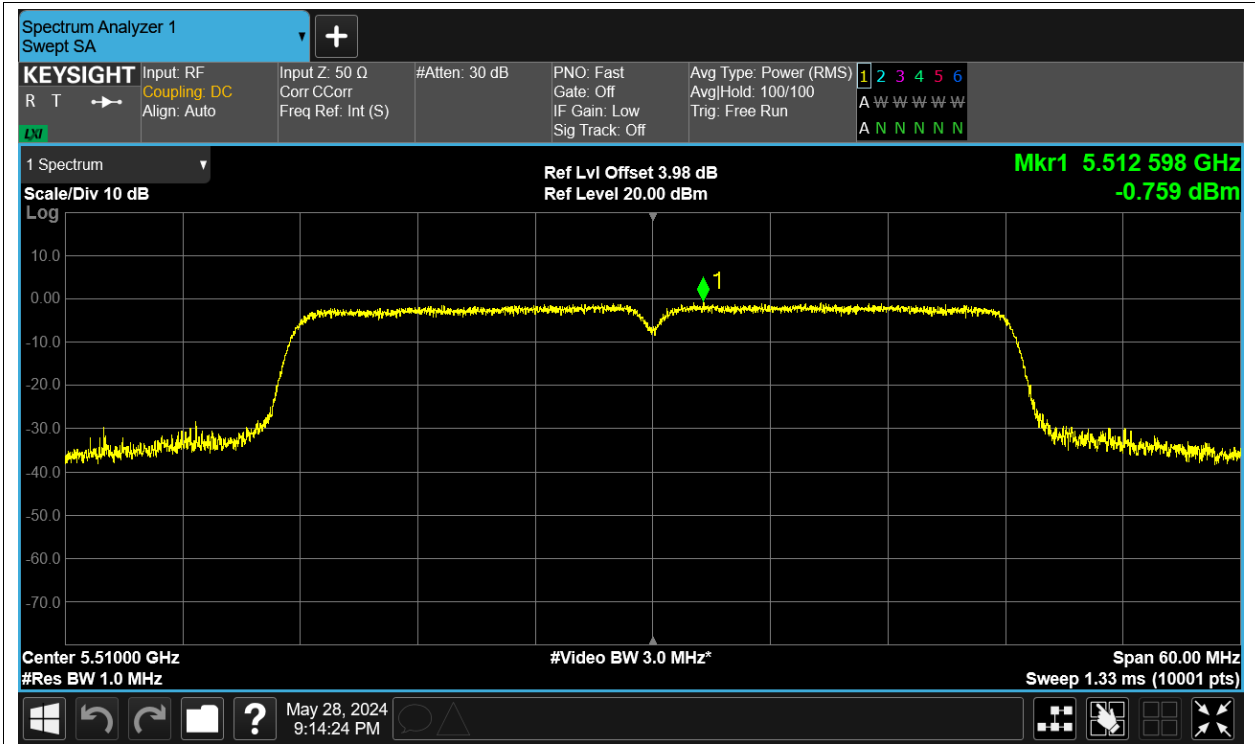
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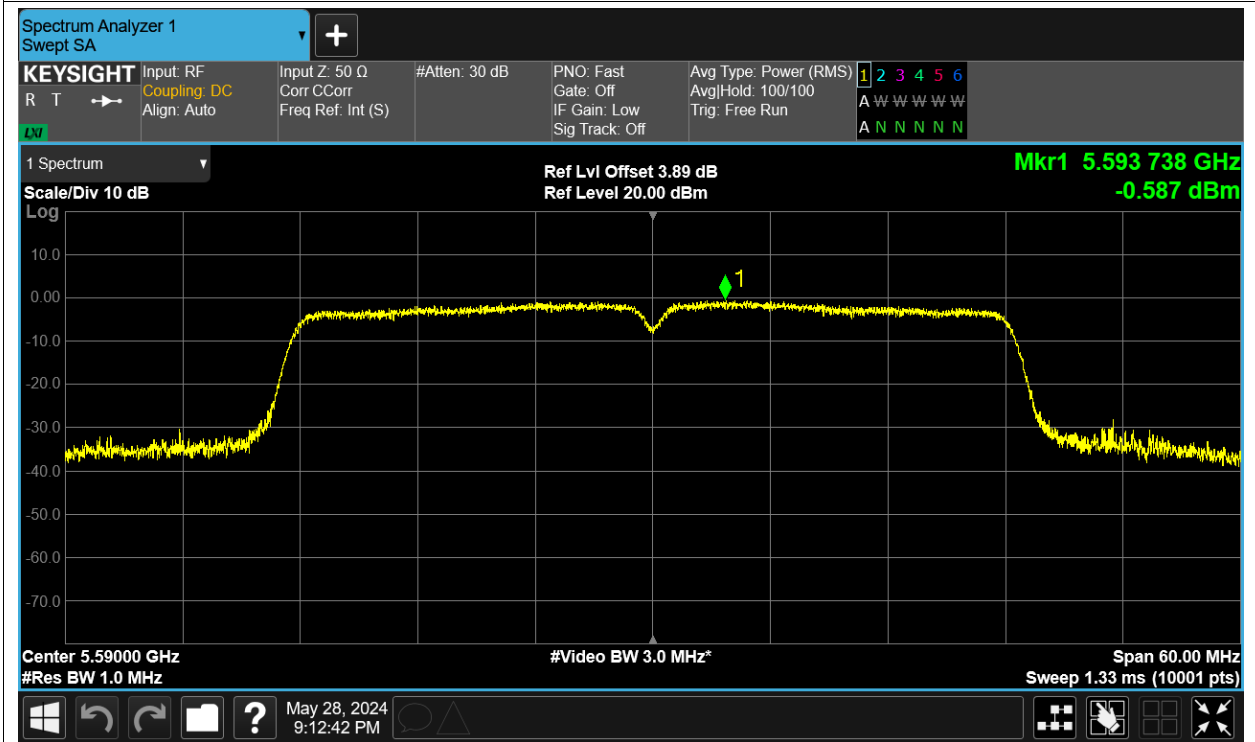
PSD NVNT ac20 5700MHz Ant12



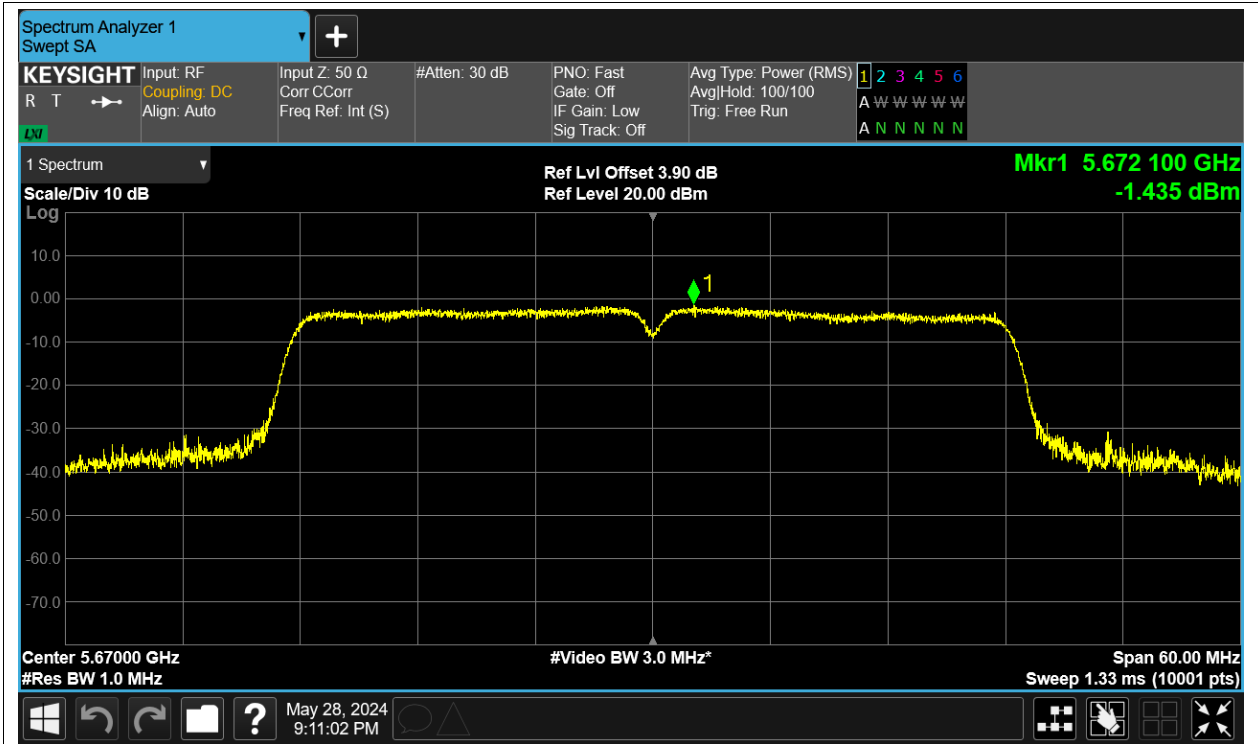
PSD NVNT ac40 5510MHz Ant12



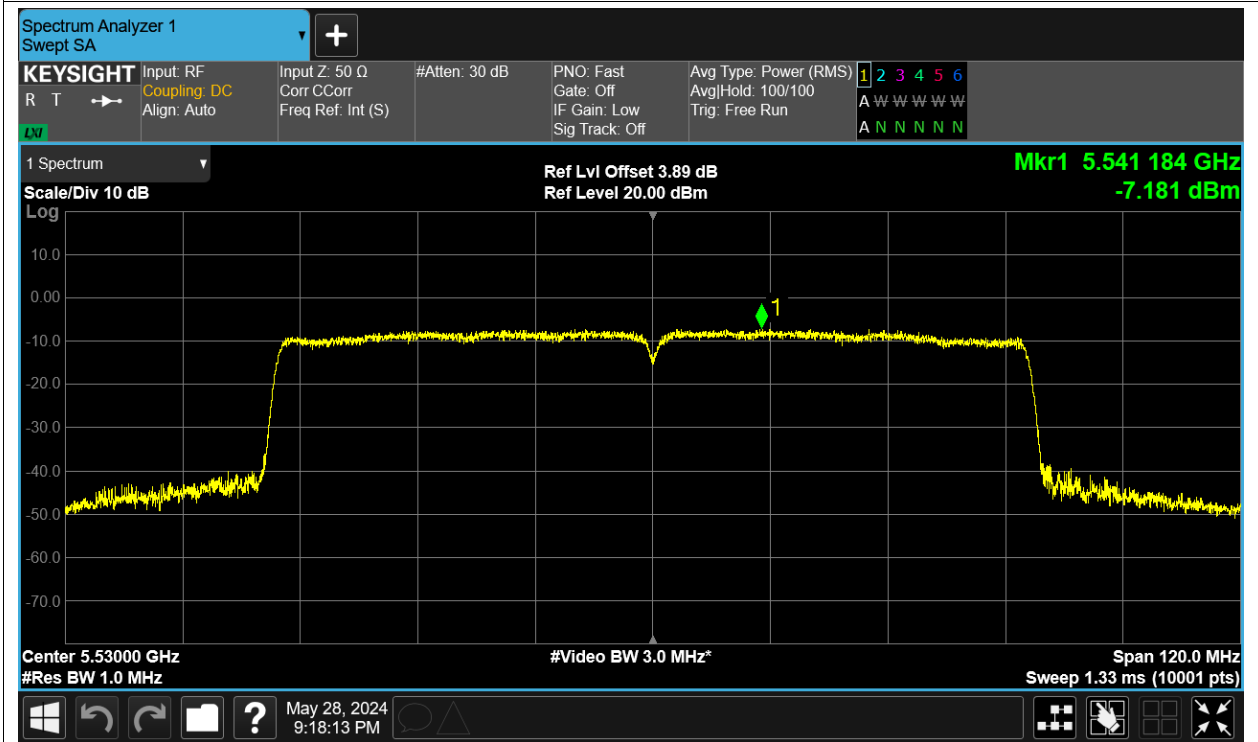
PSD NVNT ac40 5590MHz Ant12



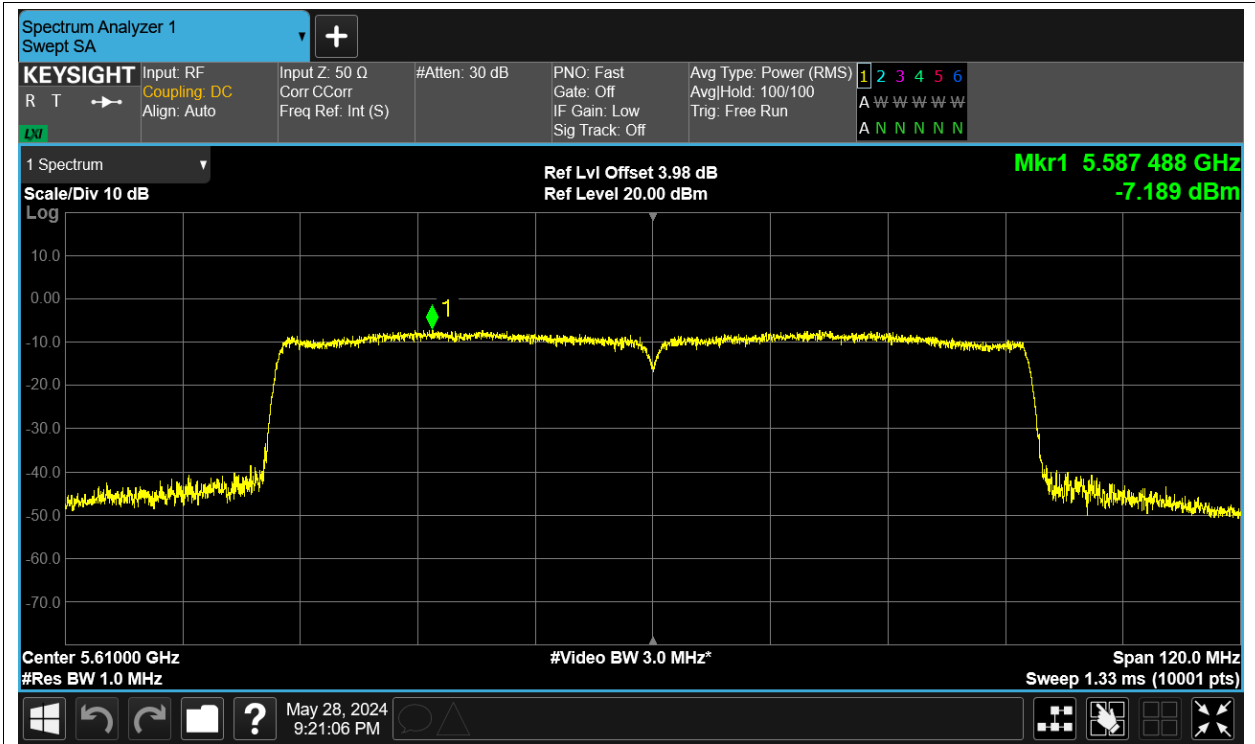
PSD NVNT ac40 5670MHz Ant12



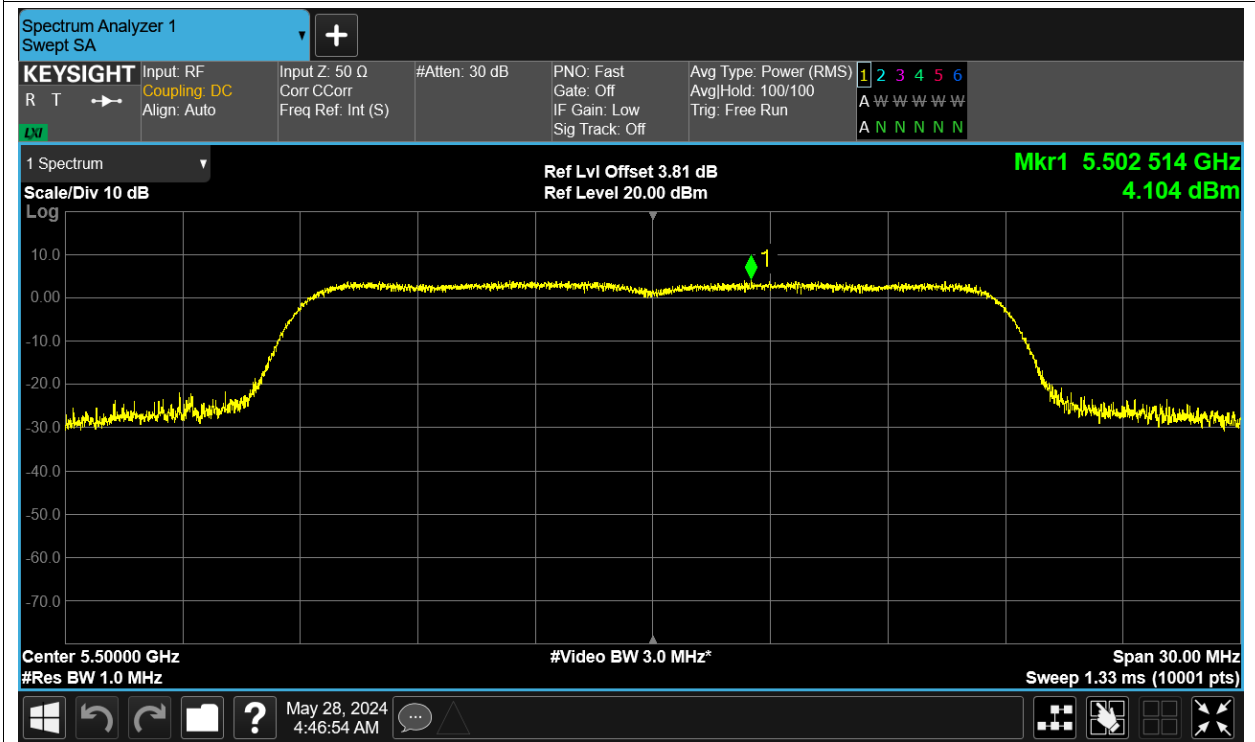
PSD NVNT ac80 5530MHz Ant12



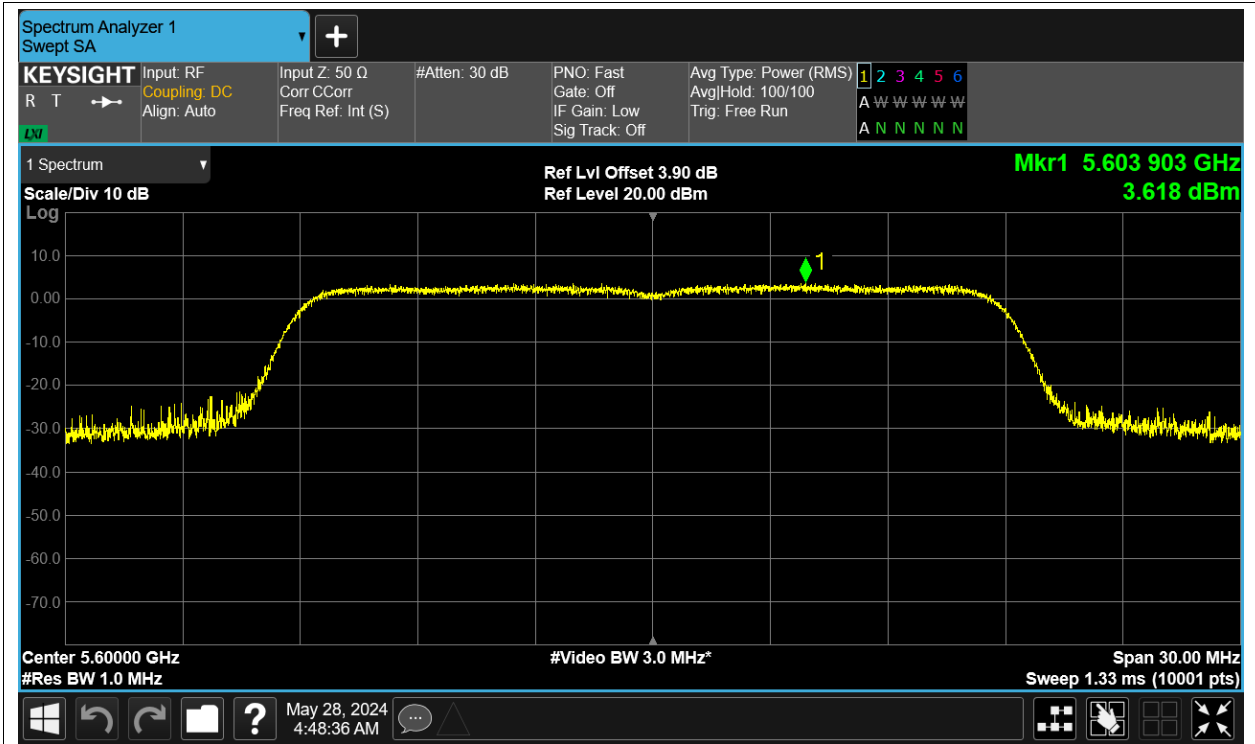
PSD NVNT ac80 5610MHz Ant12



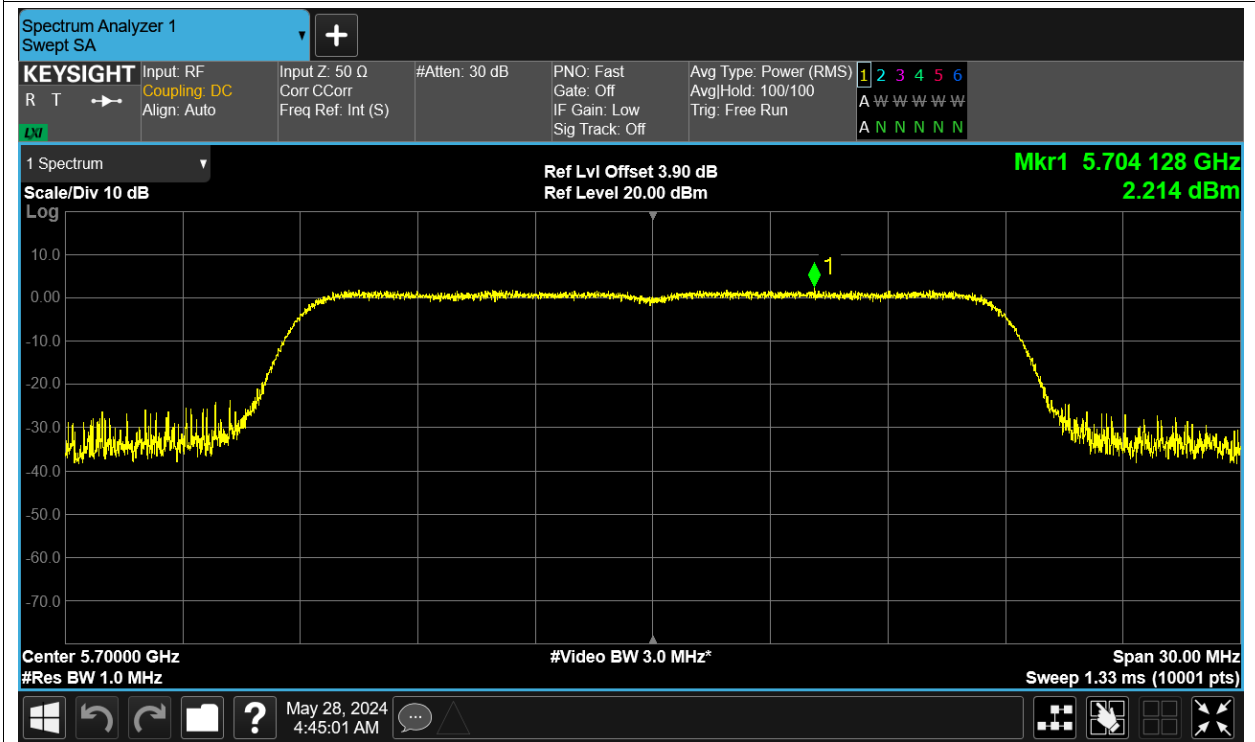
PSD NVNT n20 5500MHz Ant12



PSD NVNT n20 5600MHz Ant12

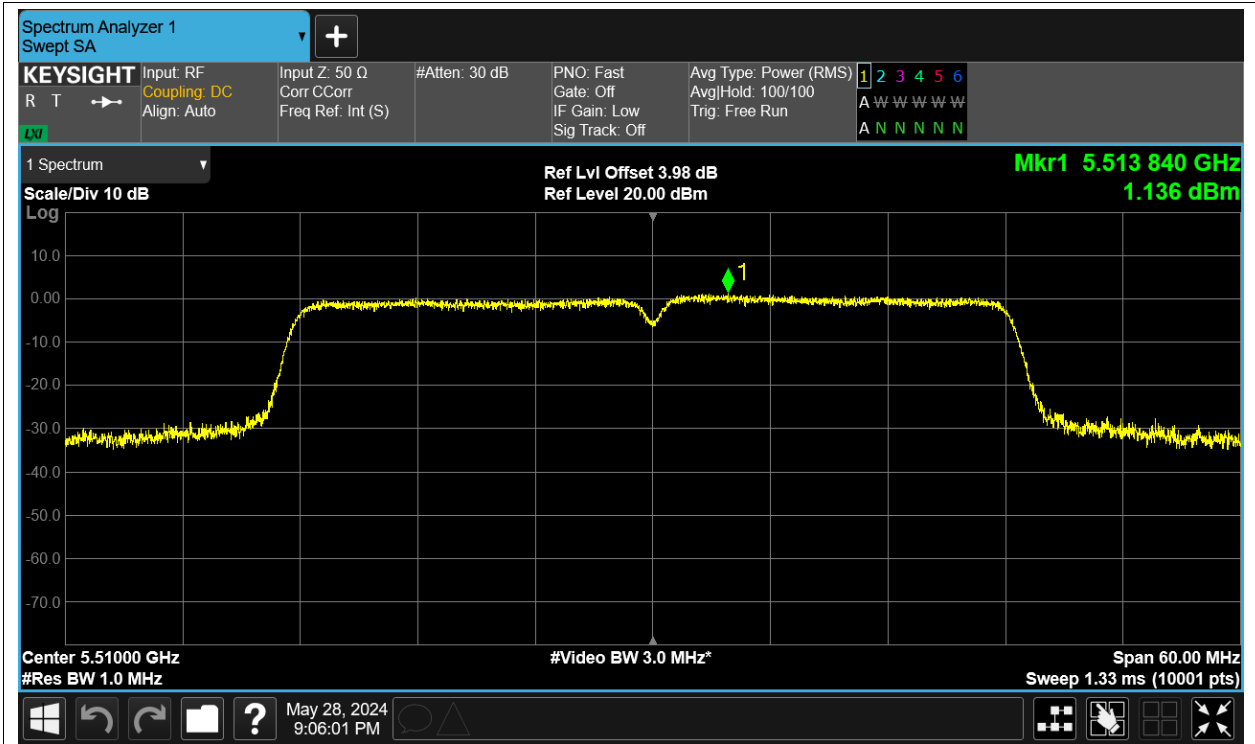


PSD NVNT n20 5700MHz Ant12

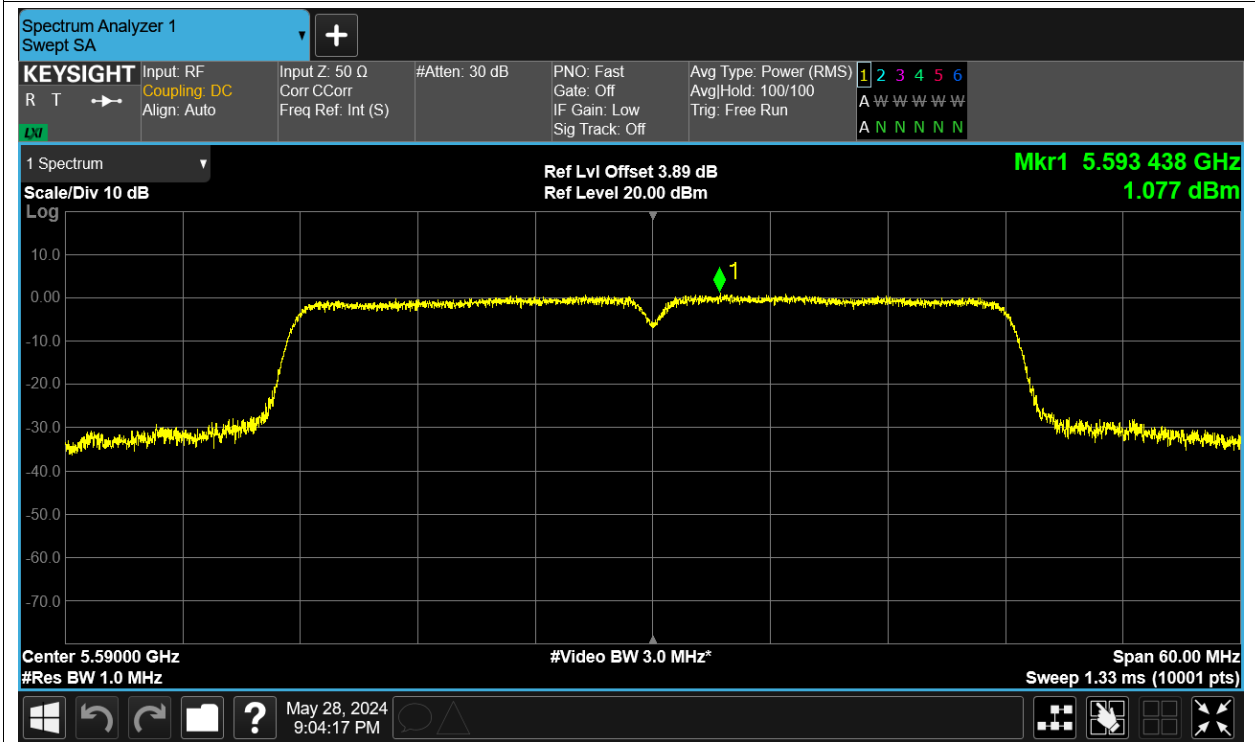


PSD NVNT n40 5510MHz Ant12





PSD NVNT n40 5590MHz Ant12



PSD NVNT n40 5667MHz Ant12

