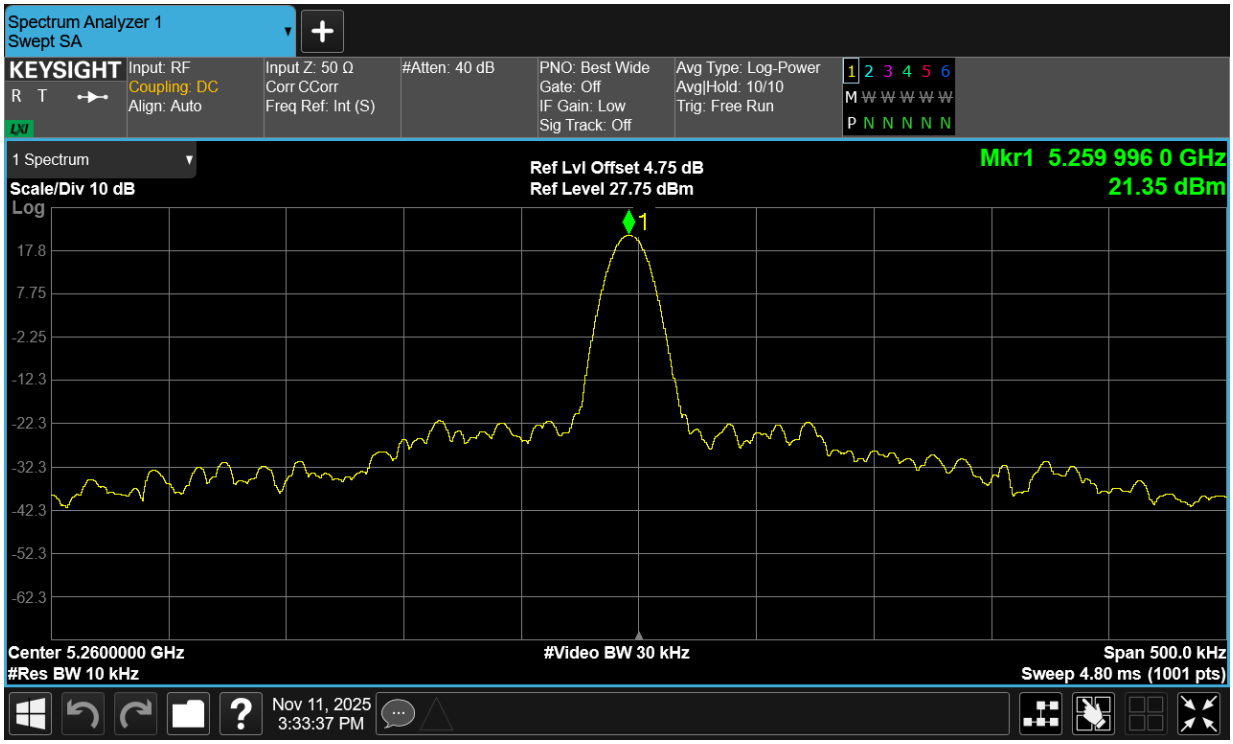
Test Data

Frequency Stability

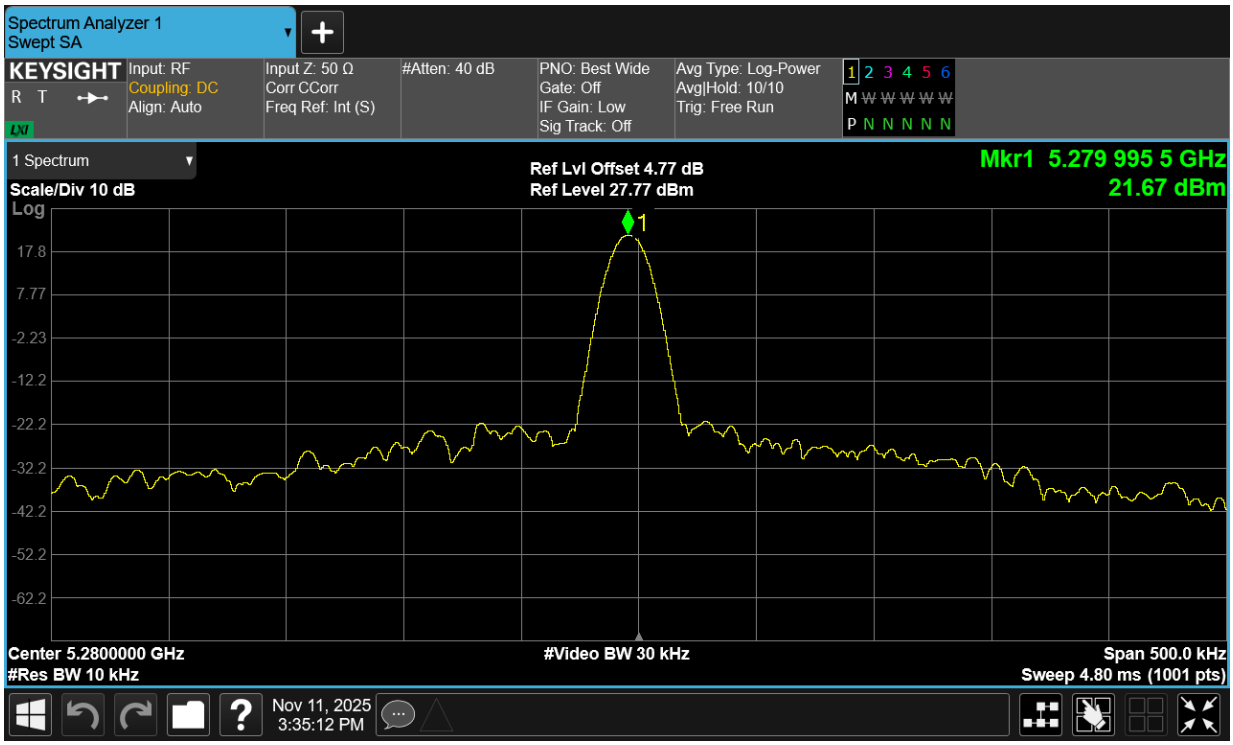
Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	5260	Ant1	5259.996	-0.76	Within authorized band	Pass
HVNT	5280	Ant1	5279.9955	-0.85		Pass
HVNT	5320	Ant1	5319.995	-0.94		Pass
LVNT	5260	Ant1	5259.996	-0.76		Pass
LVNT	5280	Ant1	5279.996	-0.76		Pass
LVNT	5320	Ant1	5319.995	-0.94		Pass
NVHT	5260	Ant1	5259.996	-0.76		Pass
NVHT	5280	Ant1	5279.9955	-0.85		Pass
NVHT	5320	Ant1	5319.995	-0.94		Pass
NVLT	5260	Ant1	5259.996	-0.76		Pass
NVLT	5280	Ant1	5279.9955	-0.85		Pass
NVLT	5320	Ant1	5319.995	-0.94		Pass
NVNT	5260	Ant1	5259.996	-0.76		Pass
NVNT	5280	Ant1	5279.996	-0.76		Pass
NVNT	5320	Ant1	5319.995	-0.94		Pass
HVNT	5270	Ant1	5269.9955	-0.85		Pass
HVNT	5310	Ant1	5309.9955	-0.85		Pass
LVNT	5270	Ant1	5269.9955	-0.85		Pass
LVNT	5310	Ant1	5309.9955	-0.85		Pass
NVHT	5270	Ant1	5269.9955	-0.85		Pass
NVHT	5310	Ant1	5309.9955	-0.85		Pass
NVLT	5270	Ant1	5269.9955	-0.85		Pass
NVLT	5310	Ant1	5309.9955	-0.85		Pass
NVNT	5270	Ant1	5269.9955	-0.85		Pass
NVNT	5310	Ant1	5309.9955	-0.85		Pass
HVNT	5290	Ant1	5289.9955	-0.85		Pass
LVNT	5290	Ant1	5289.9955	-0.85		Pass
NVHT	5290	Ant1	5289.9955	-0.85		Pass
NVLT	5290	Ant1	5289.9955	-0.85		Pass
NVNT	5290	Ant1	5289.9955	-0.85		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.

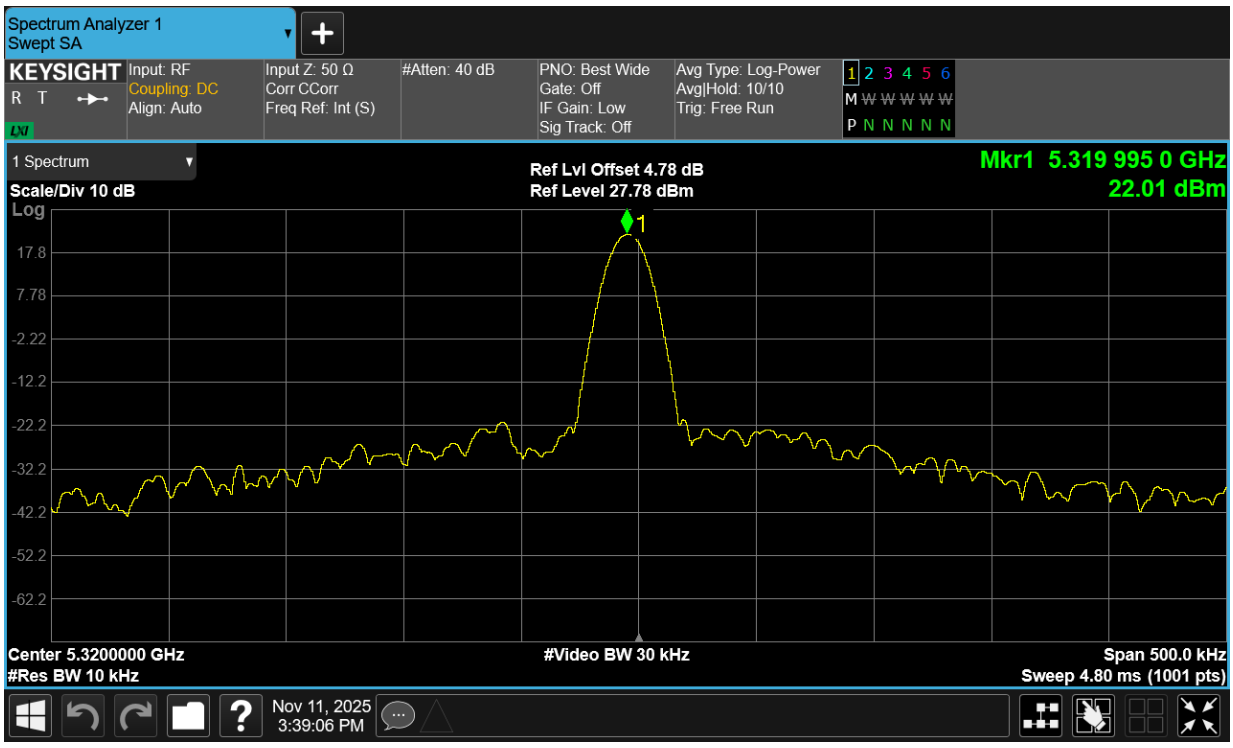
Test Graphs
Freq. Stability HVNT 20M 5260MHz Ant1



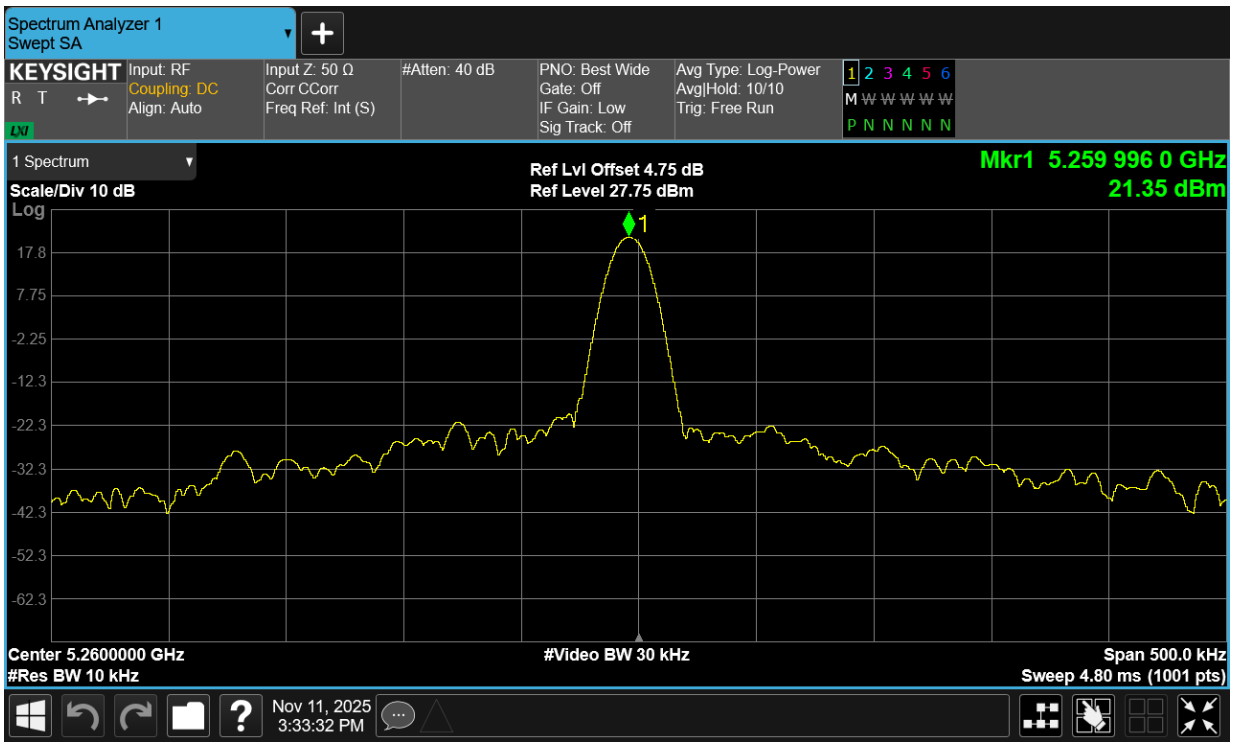
Freq. Stability HVNT 20M 5280MHz Ant1



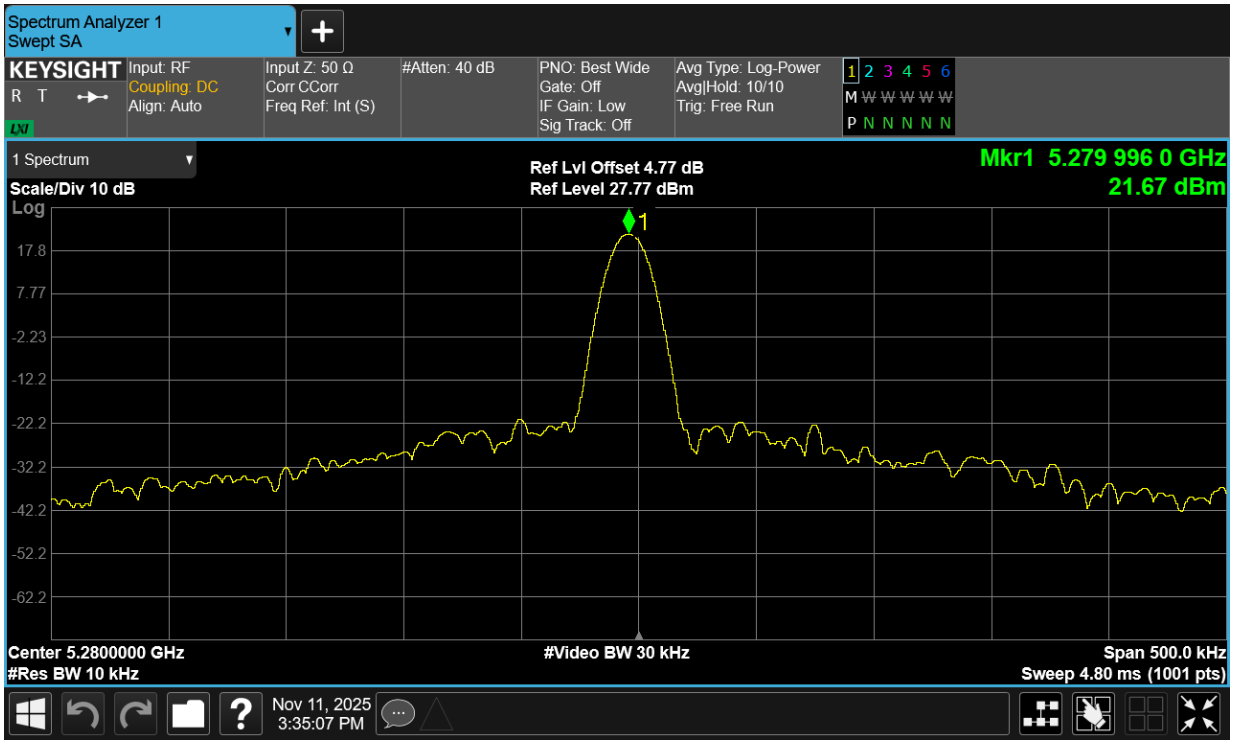
Freq. Stability HVNT 20M 5320MHz Ant1



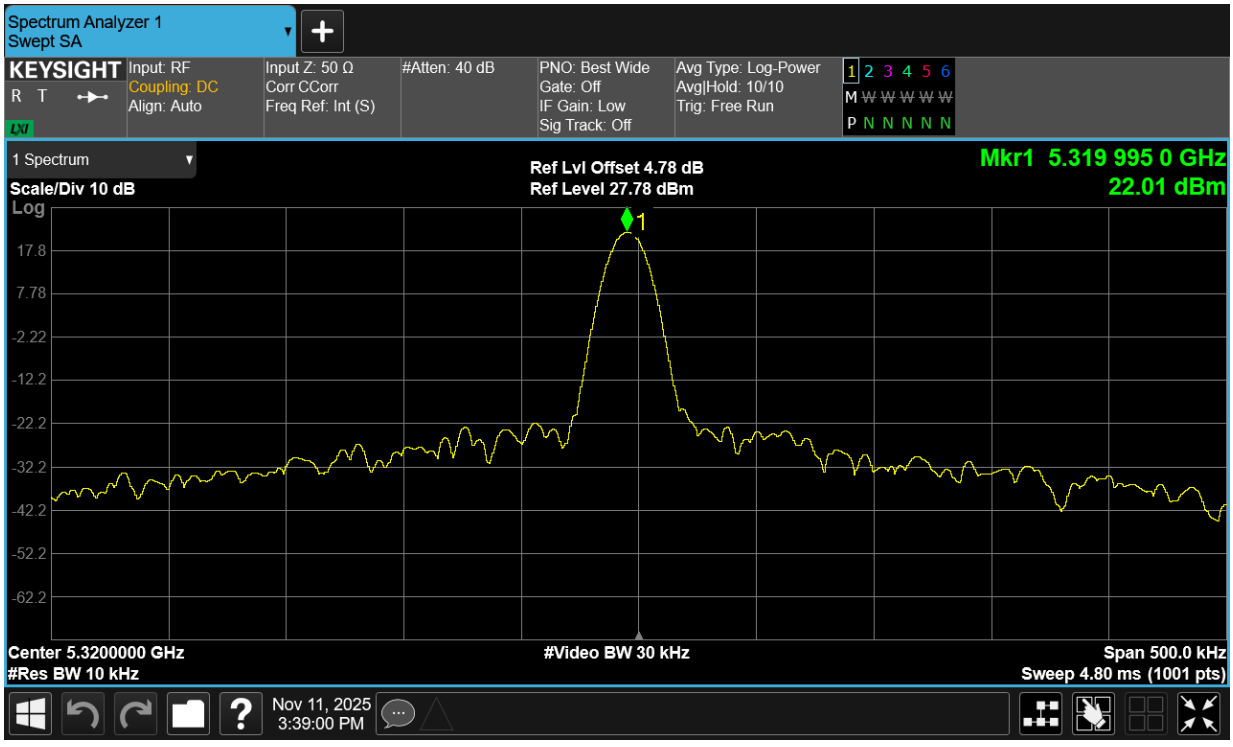
Freq. Stability LVNT 20M 5260MHz Ant1



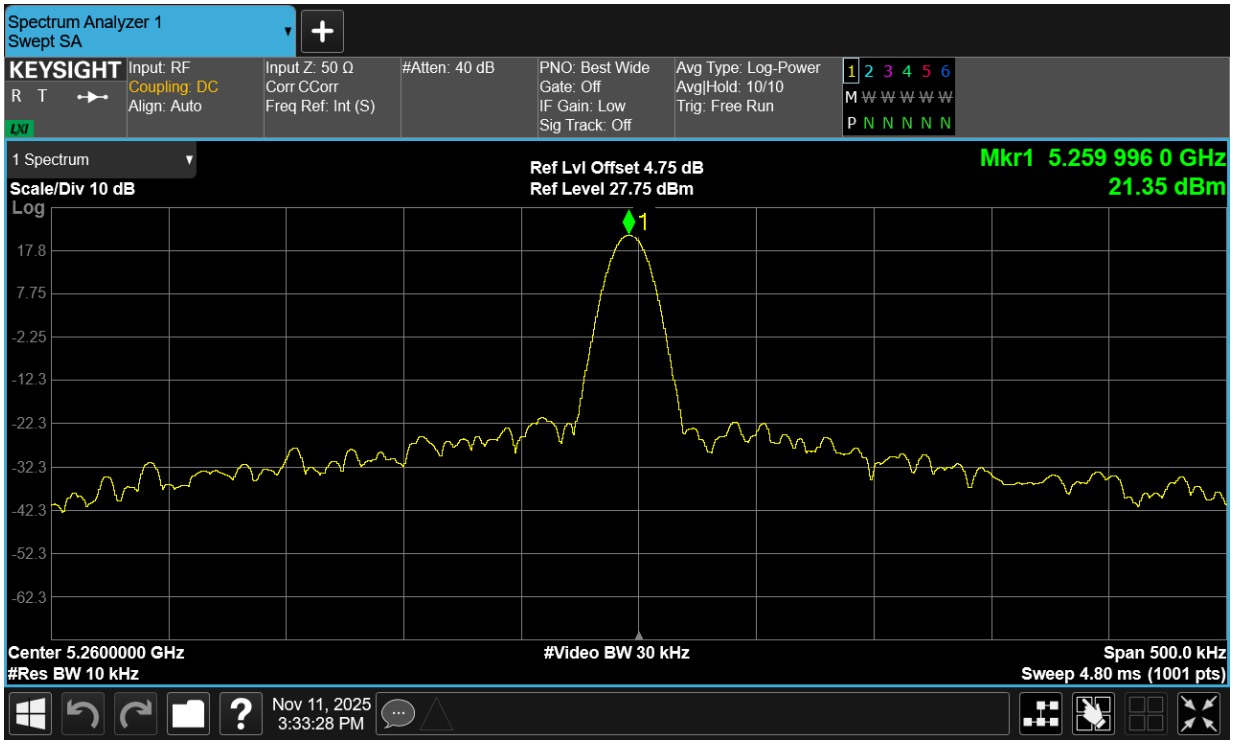
Freq. Stability LVNT 20M 5280MHz Ant1



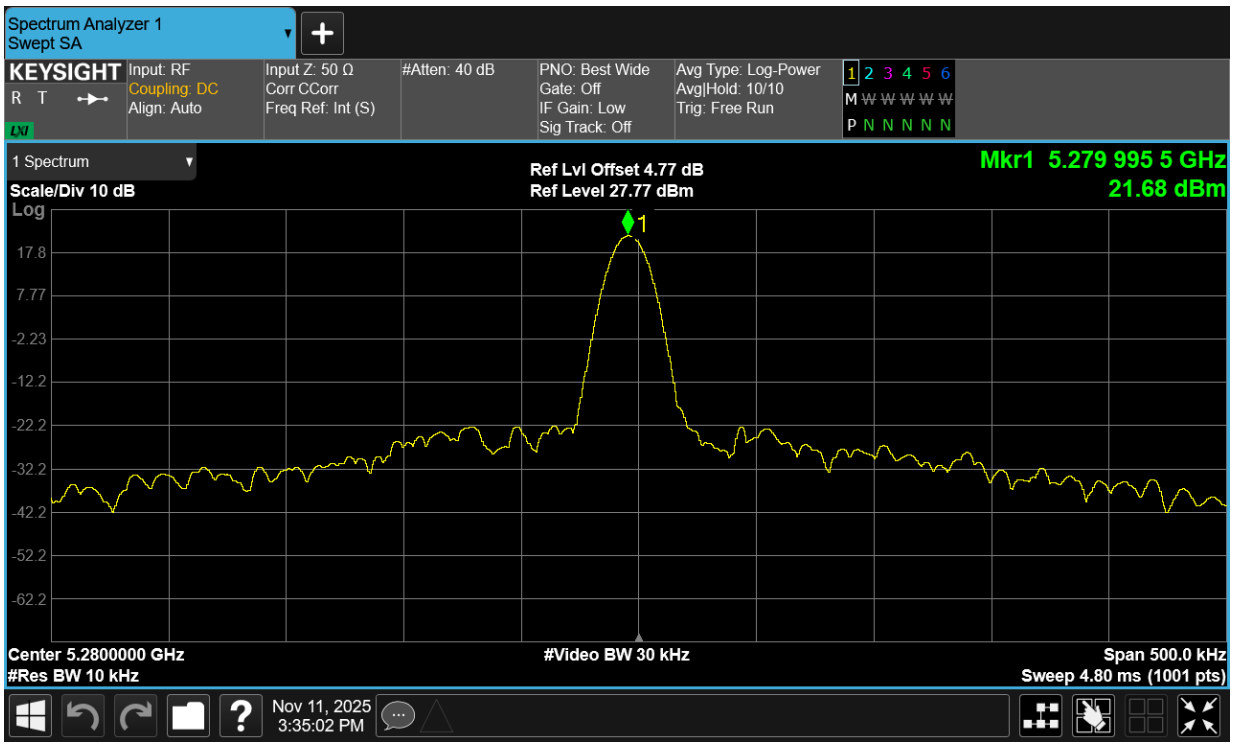
Freq. Stability LVNT 20M 5320MHz Ant1



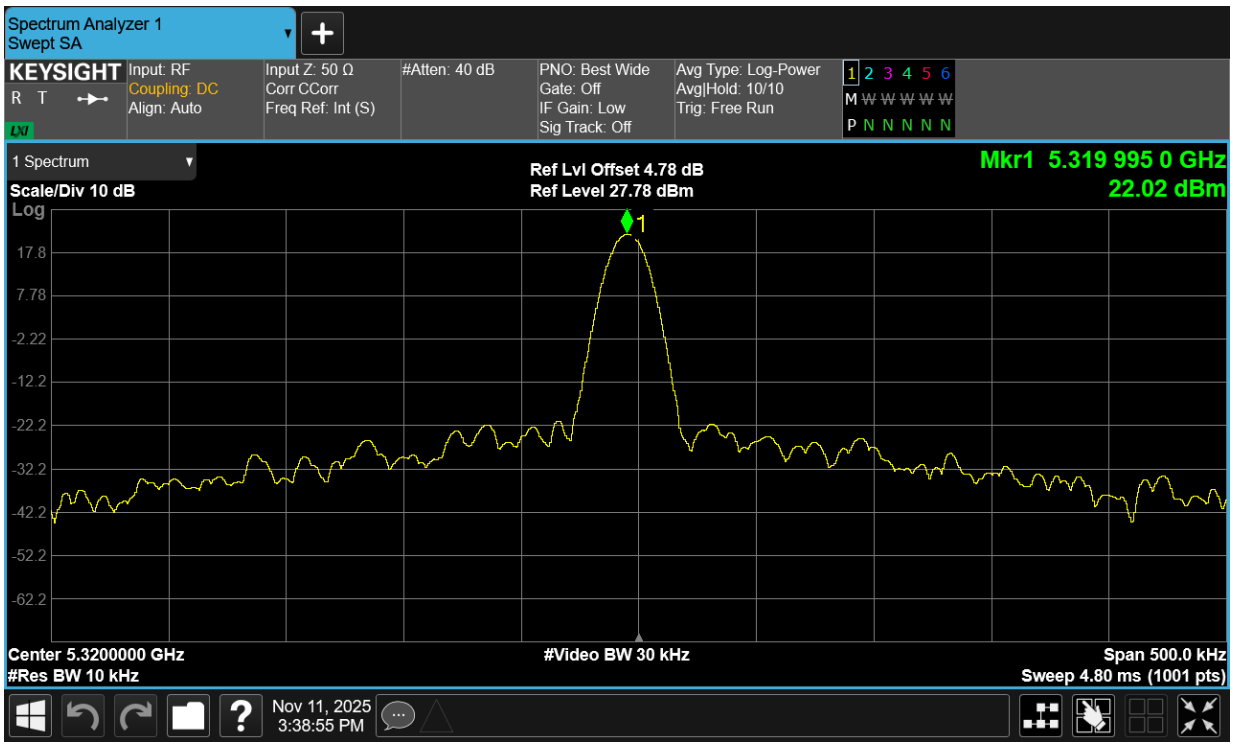
Freq. Stability NVHT 20M 5260MHz Ant1



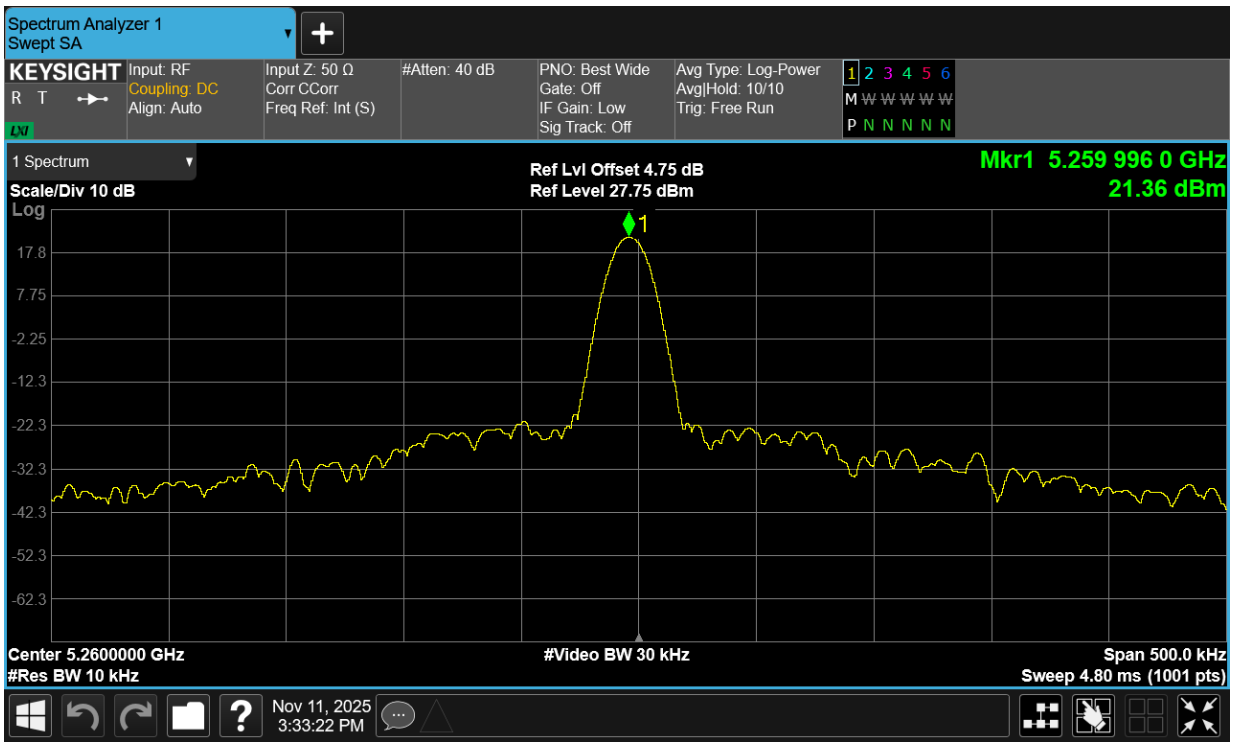
Freq. Stability NVHT 20M 5280MHz Ant1



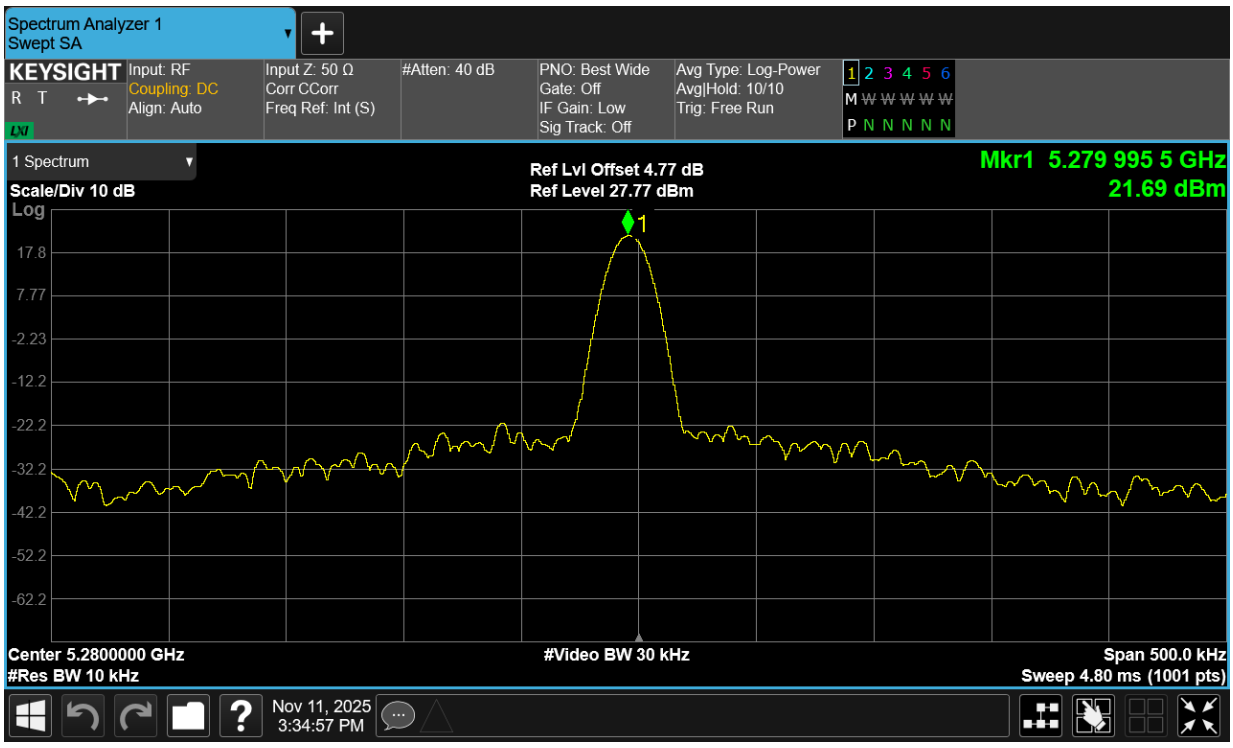
Freq. Stability NVHT 20M 5320MHz Ant1



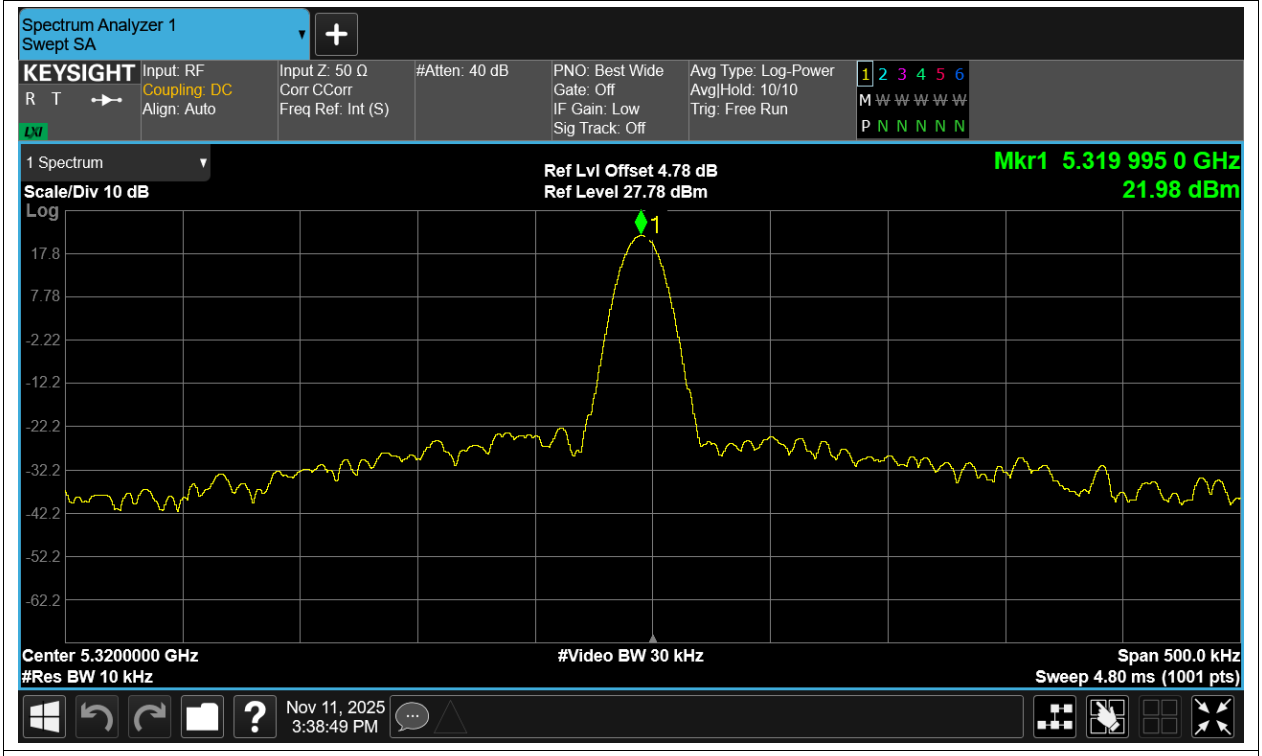
Freq. Stability NVLT 20M 5260MHz Ant1



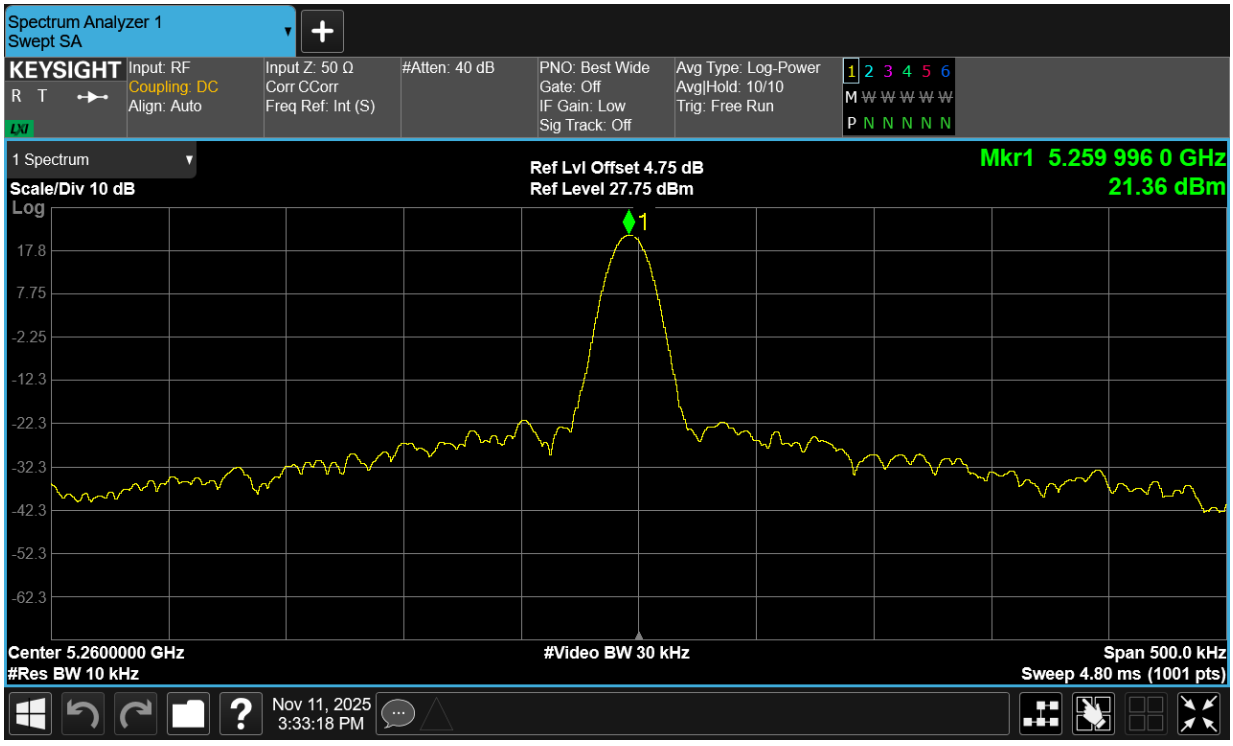
Freq. Stability NVLT 20M 5280MHz Ant1



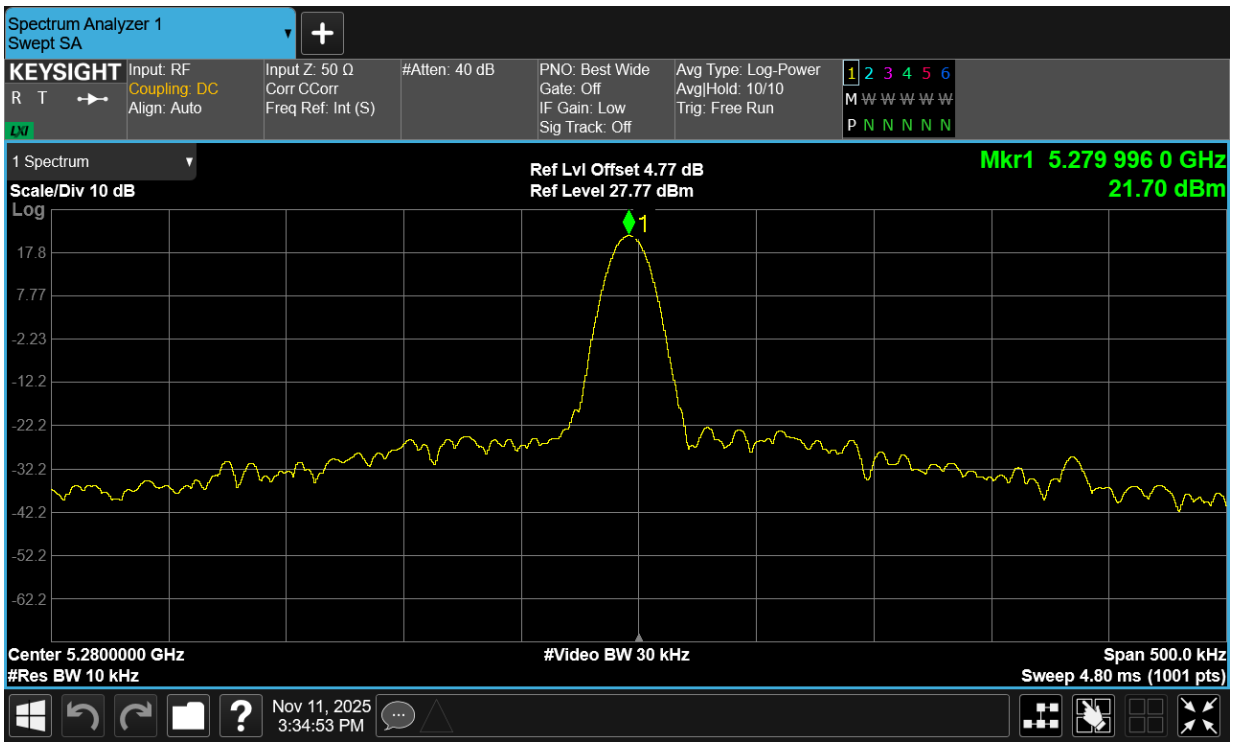
Freq. Stability NVLT 20M 5320MHz Ant1



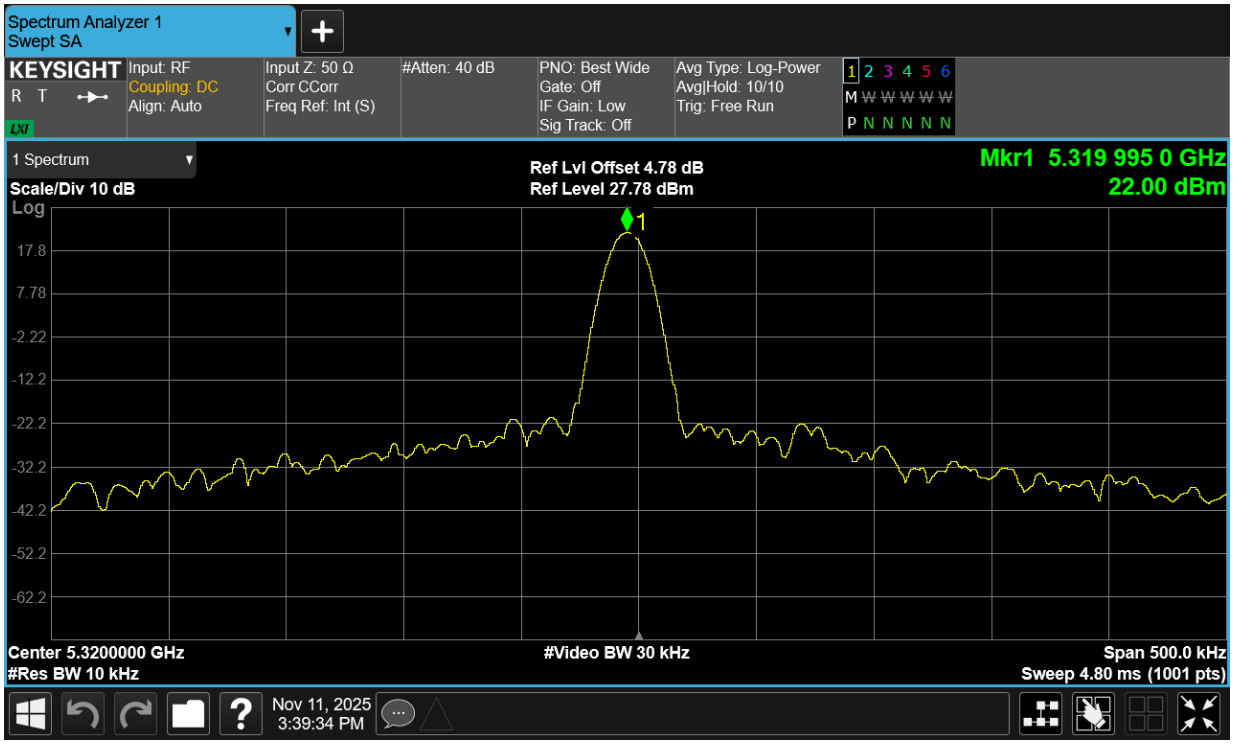
Freq. Stability NVNT 20M 5260MHz Ant1



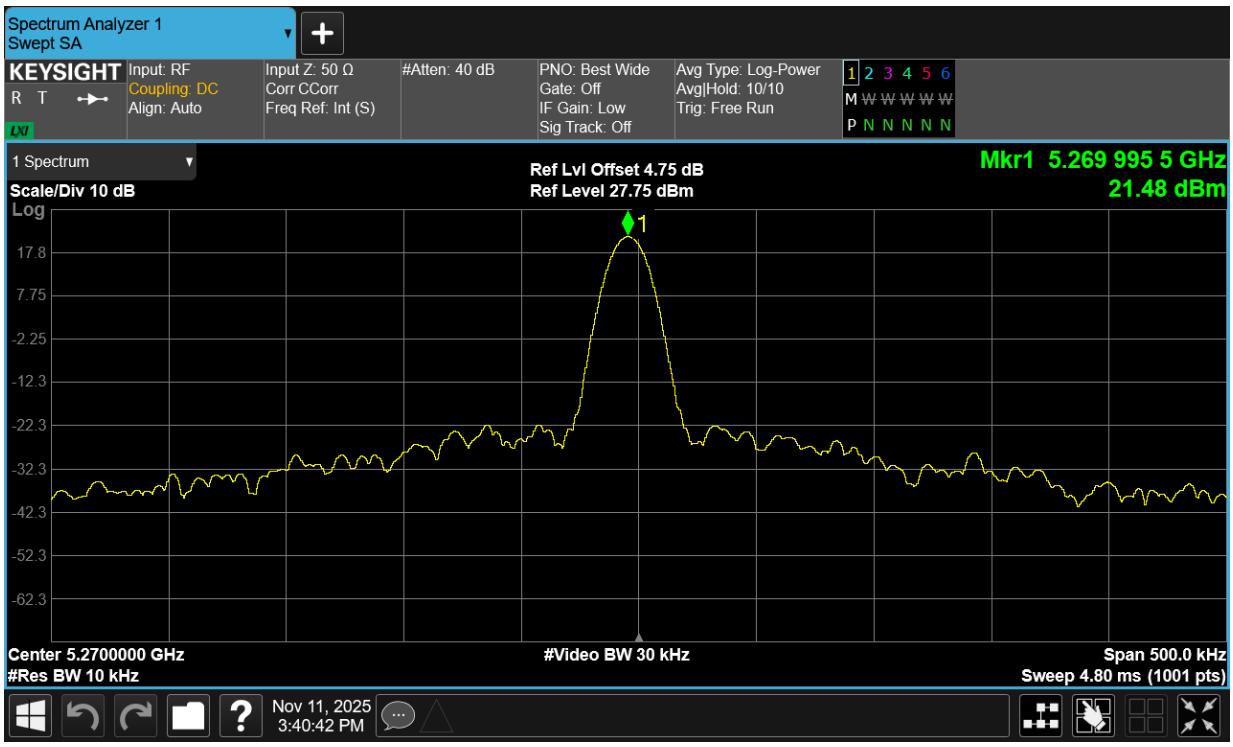
Freq. Stability NVNT 20M 5280MHz Ant1



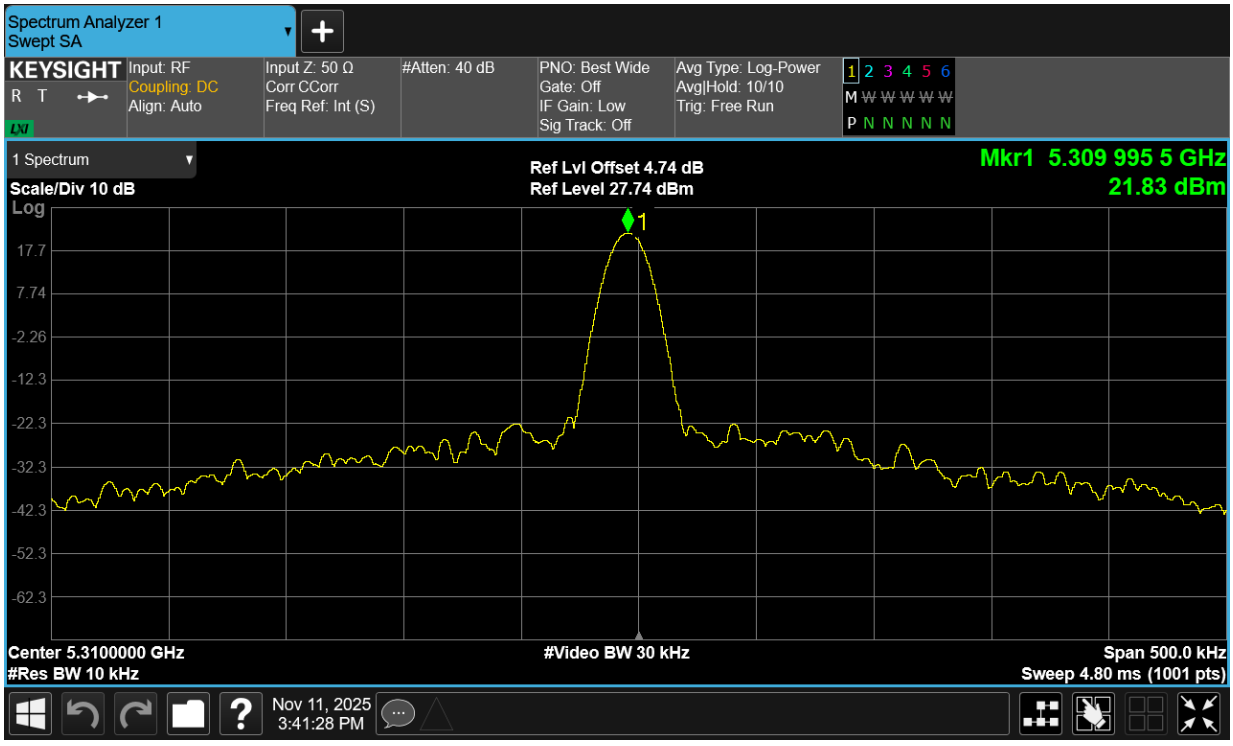
Freq. Stability NVNT 20M 5320MHz Ant1



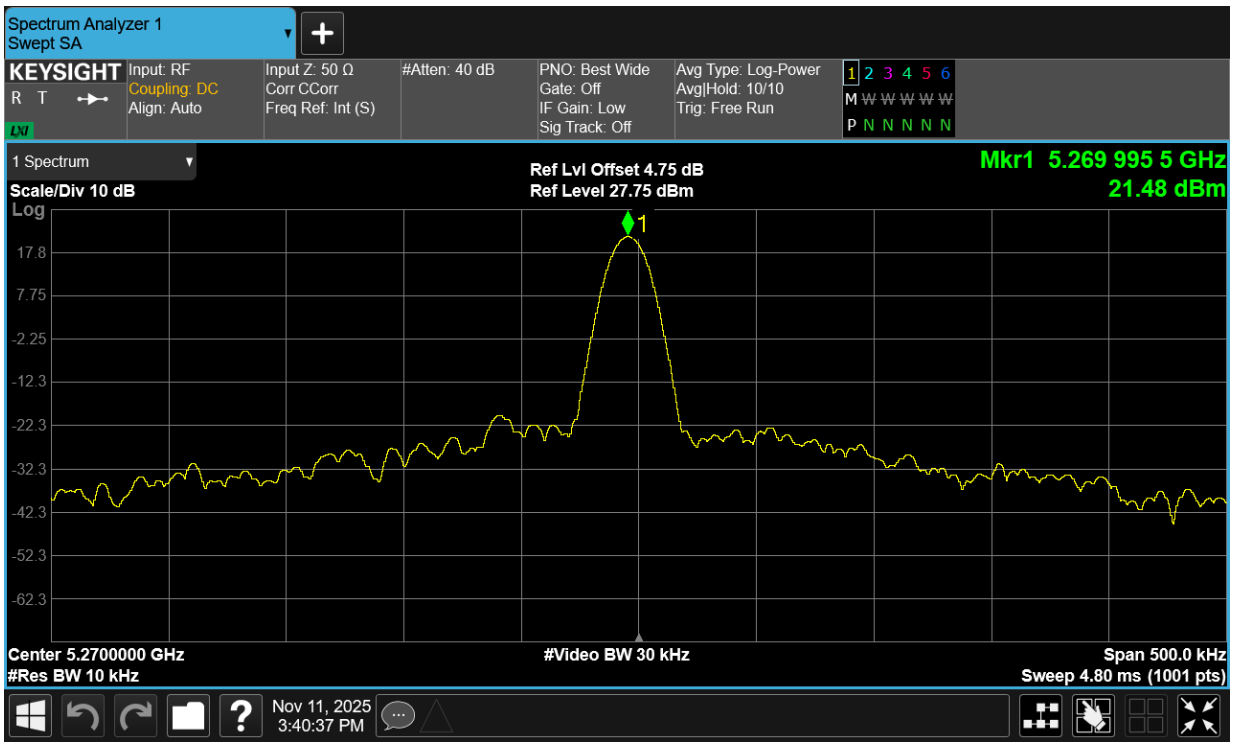
Freq. Stability HVNT 40M 5270MHz Ant1



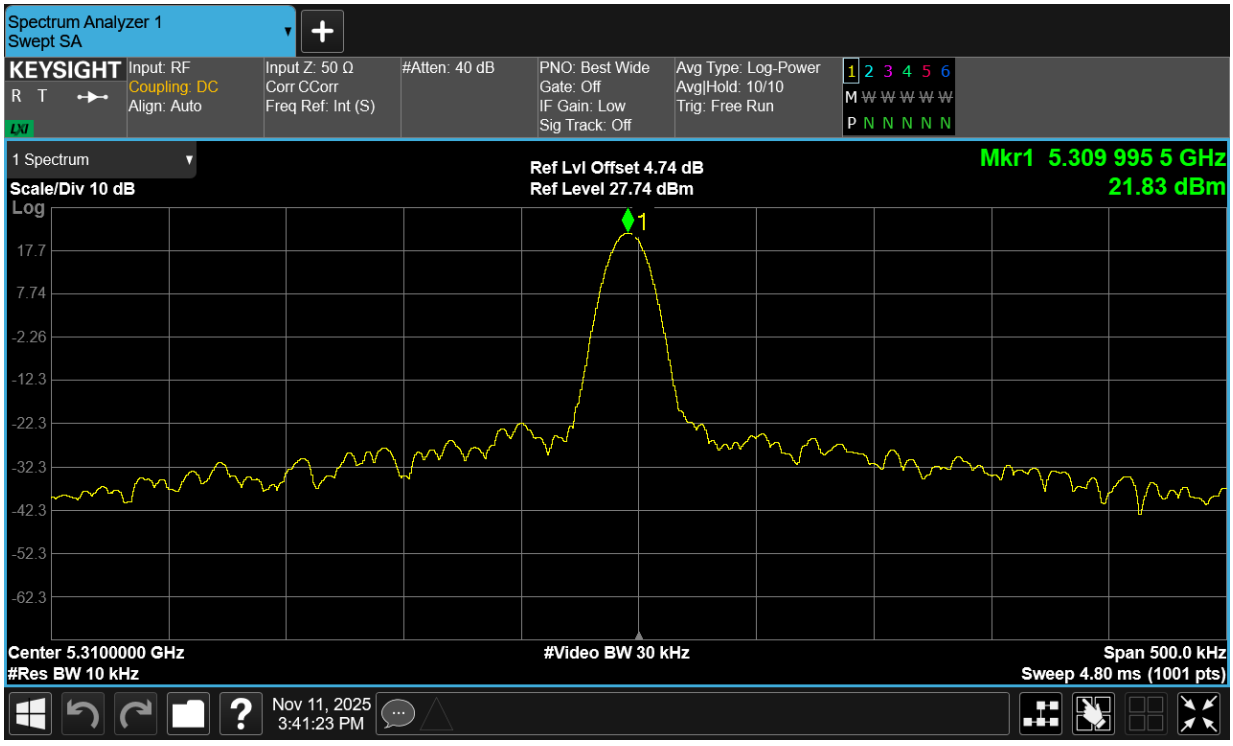
Freq. Stability HVNT 40M 5310MHz Ant1



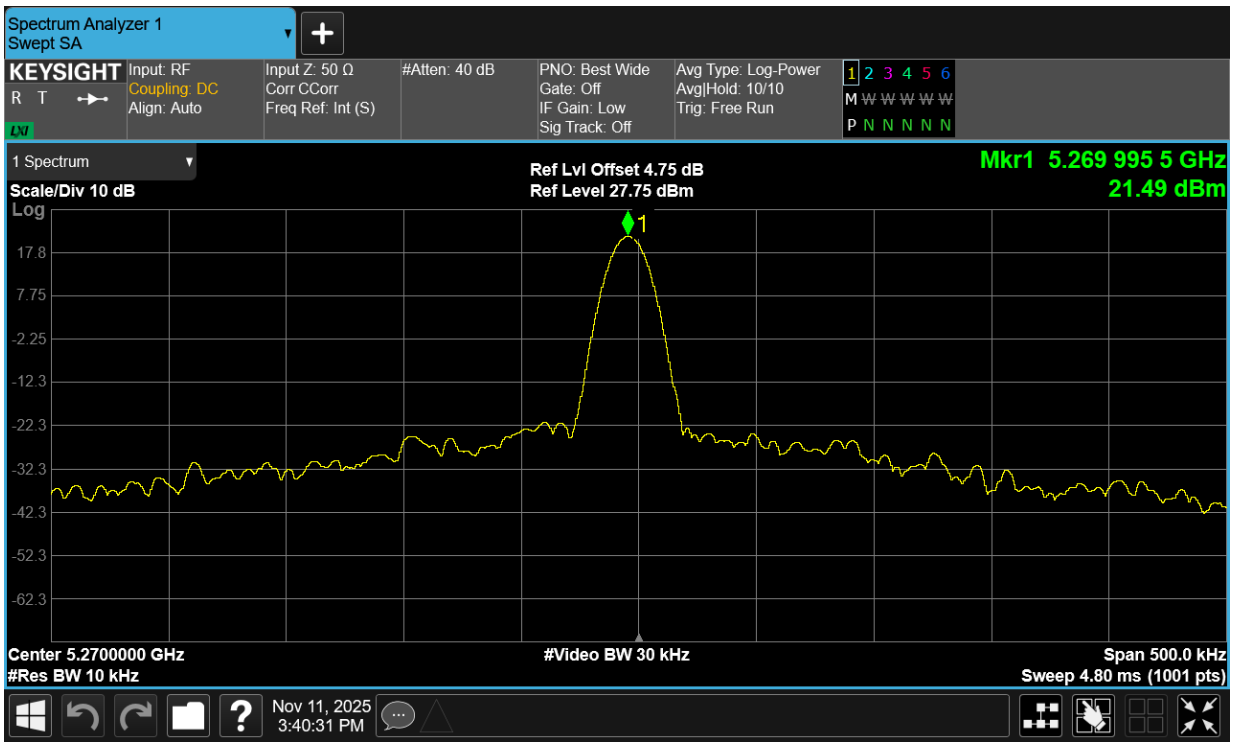
Freq. Stability LVNT 40M 5270MHz Ant1



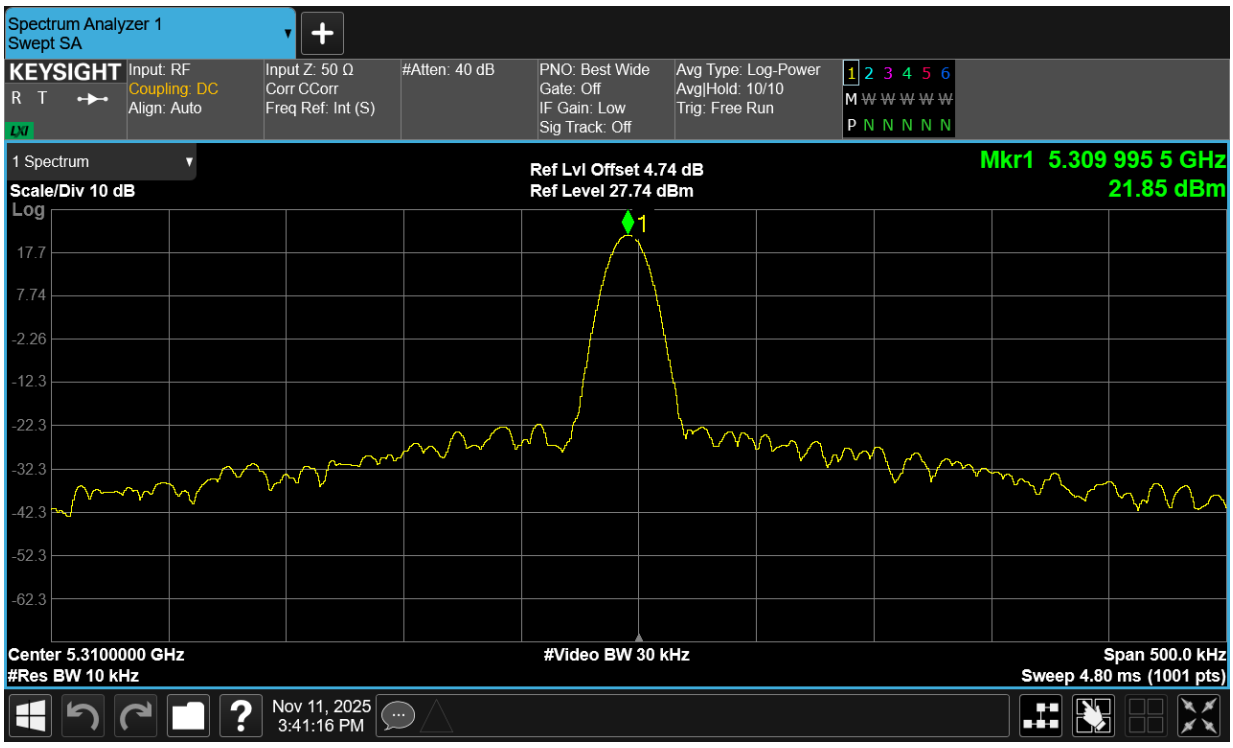
Freq. Stability LVNT 40M 5310MHz Ant1



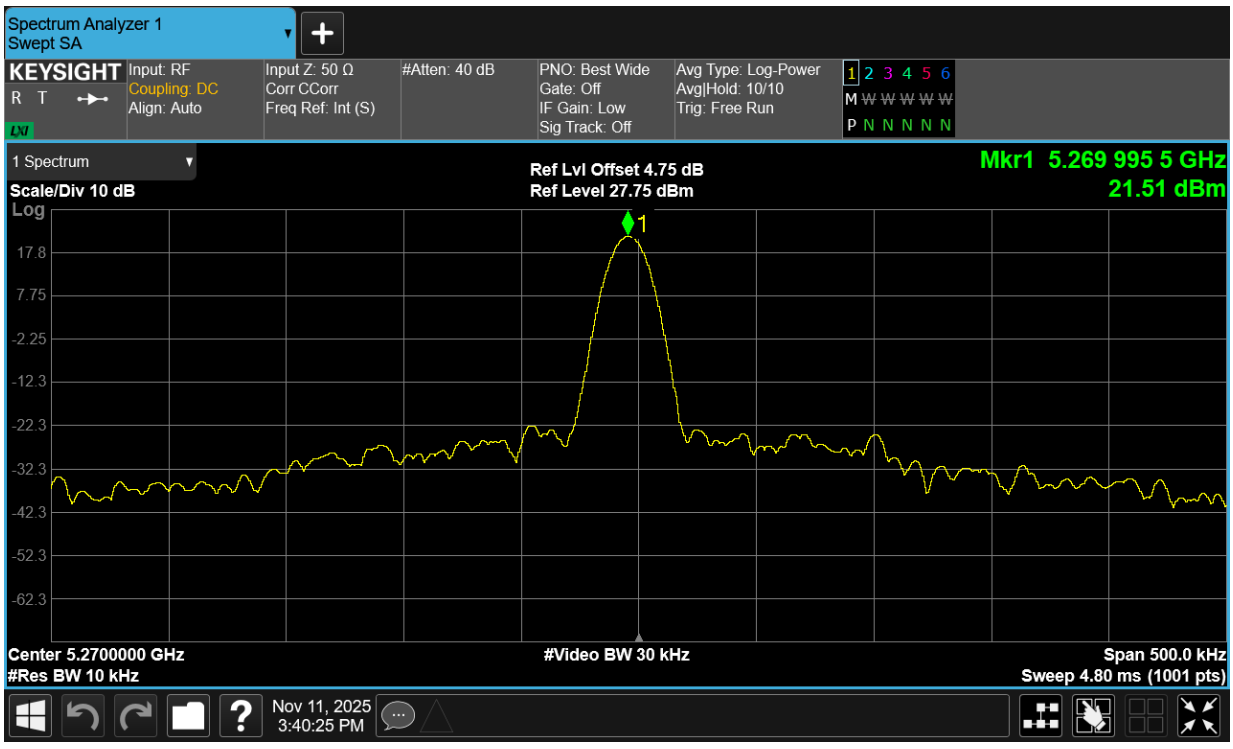
Freq. Stability NVHT 40M 5270MHz Ant1



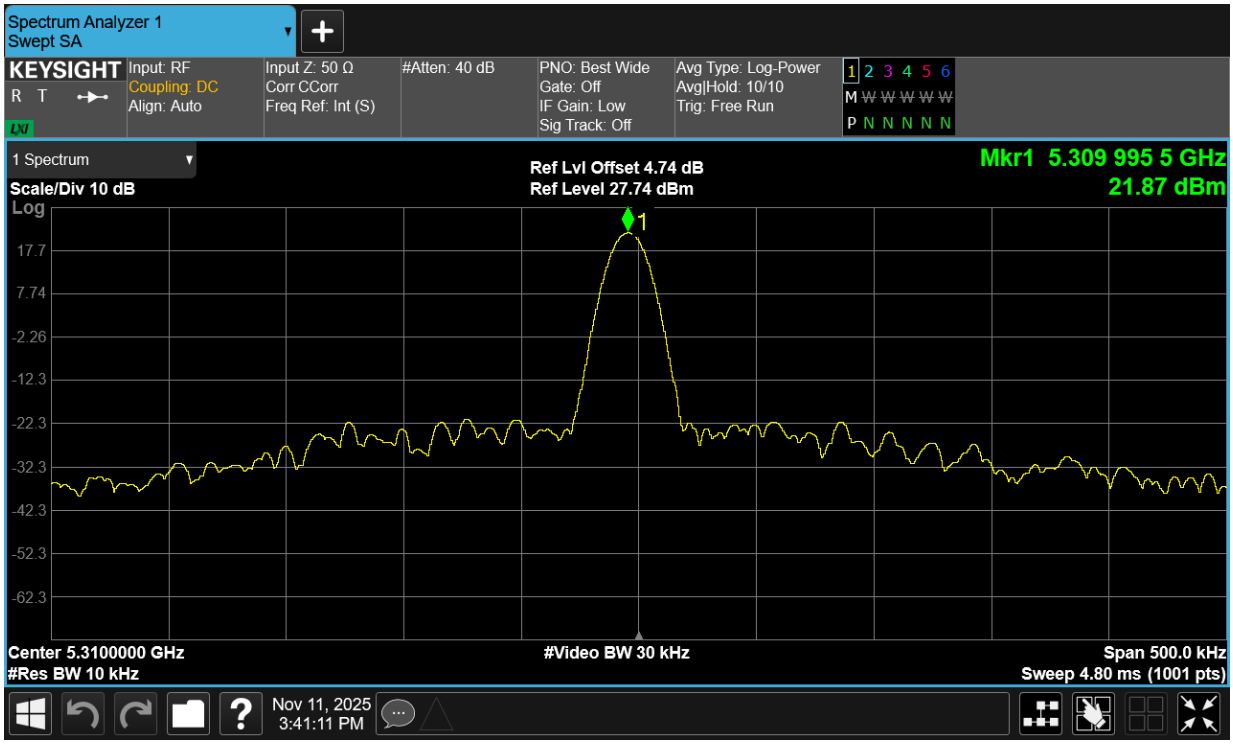
Freq. Stability NVHT 40M 5310MHz Ant1



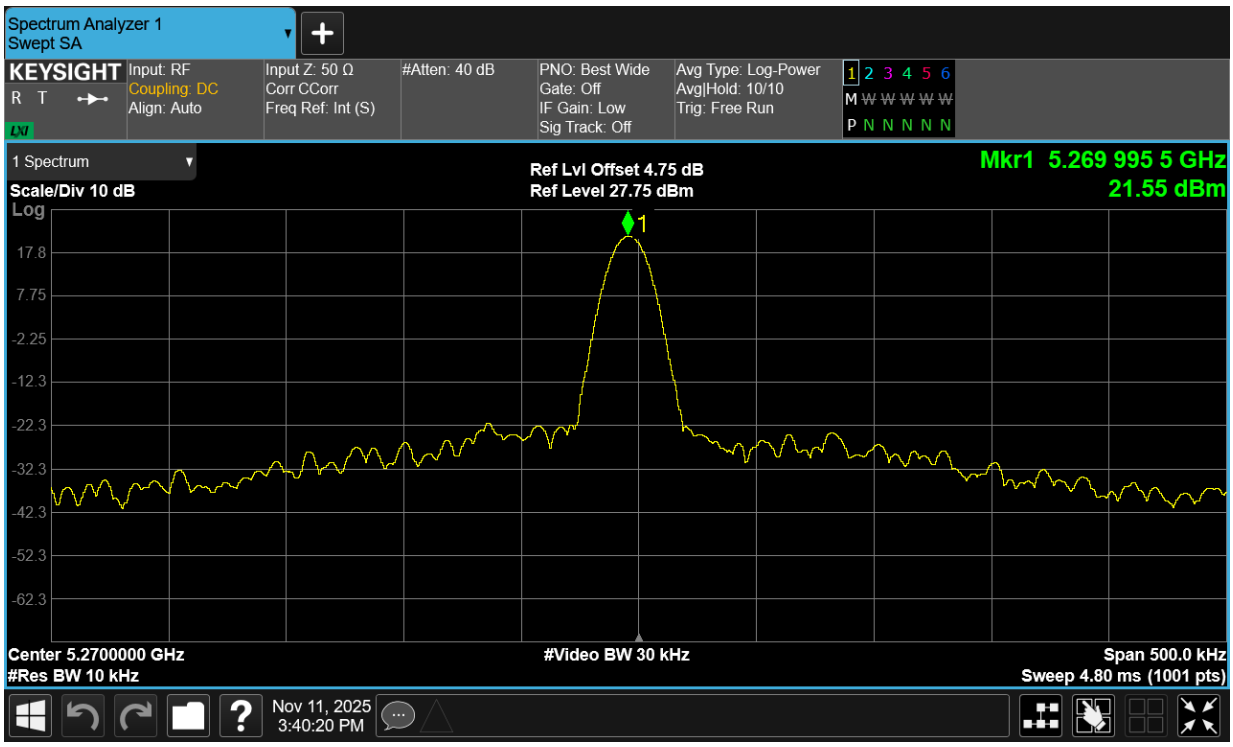
Freq. Stability NVLT 40M 5270MHz Ant1



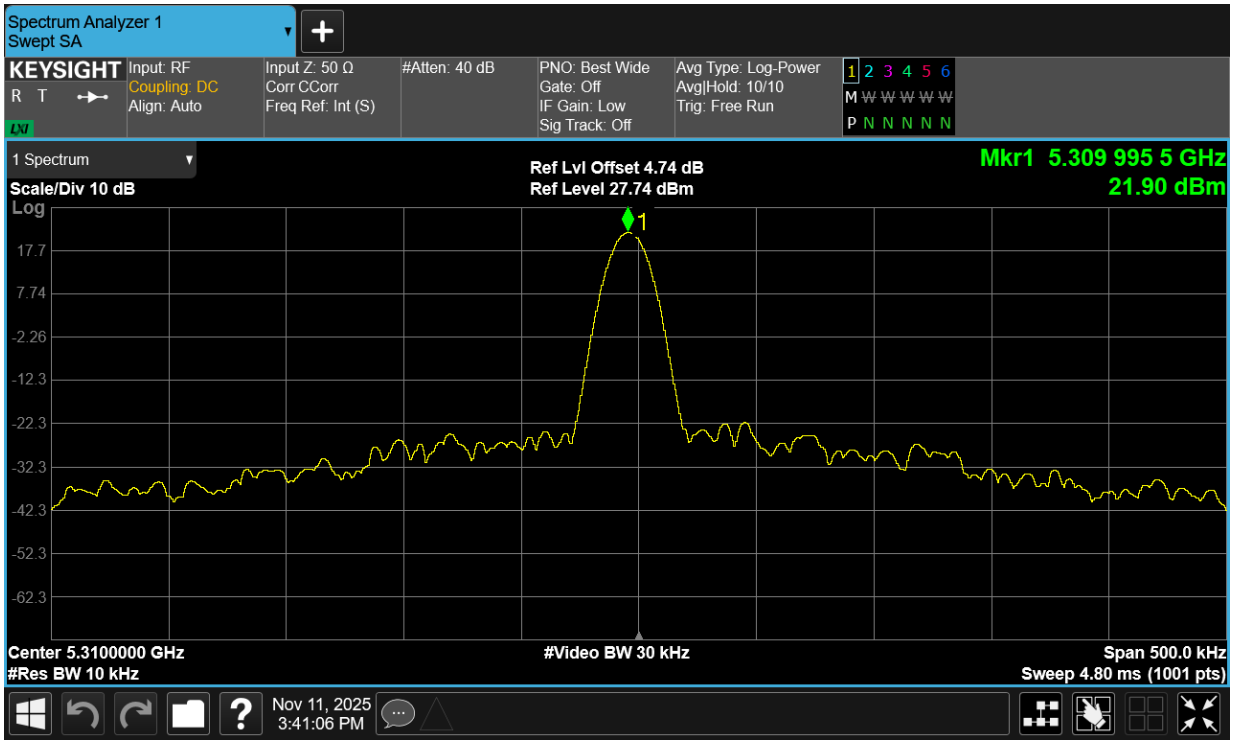
Freq. Stability NVLT 40M 5310MHz Ant1



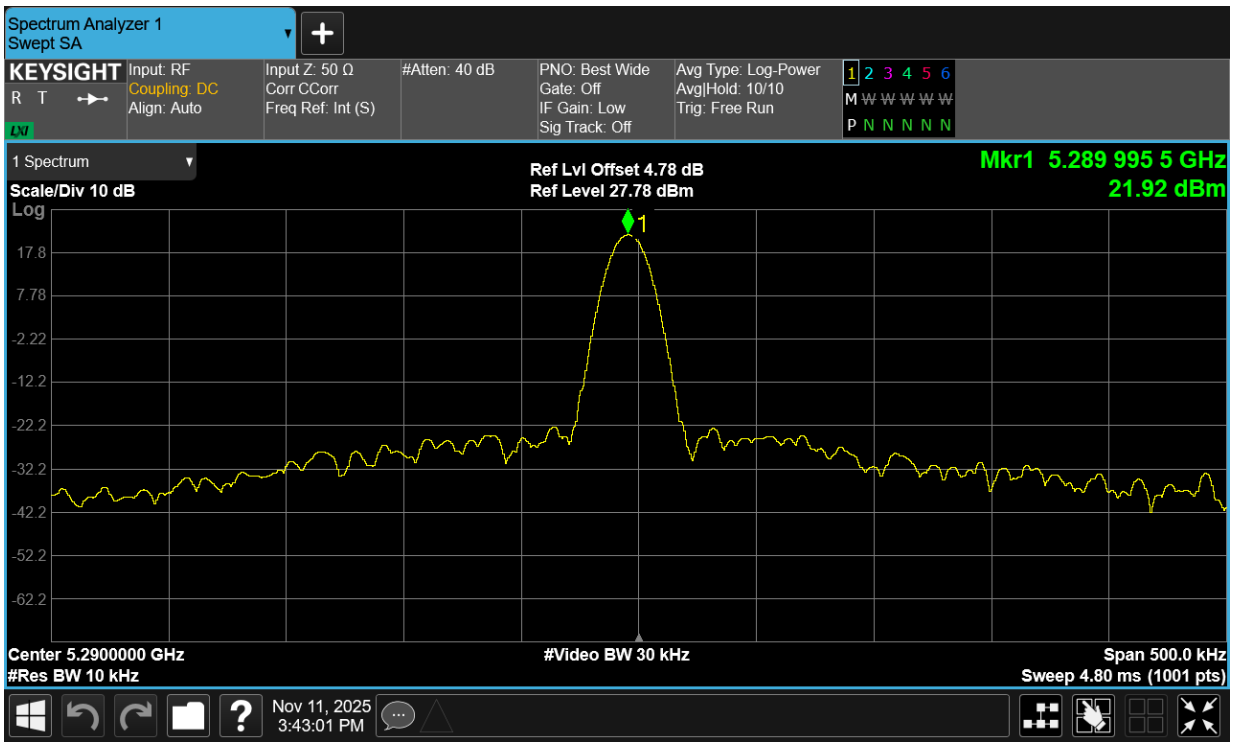
Freq. Stability NVNT 40M 5270MHz Ant1



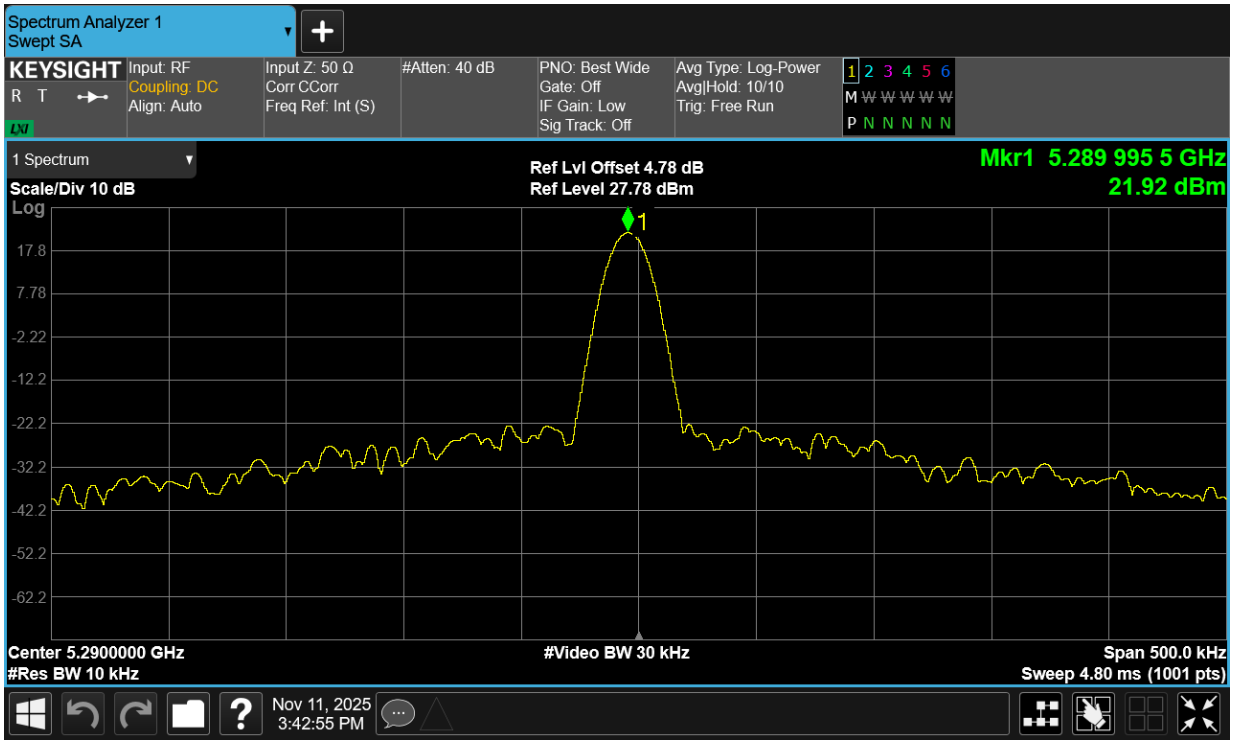
Freq. Stability NVNT 40M 5310MHz Ant1



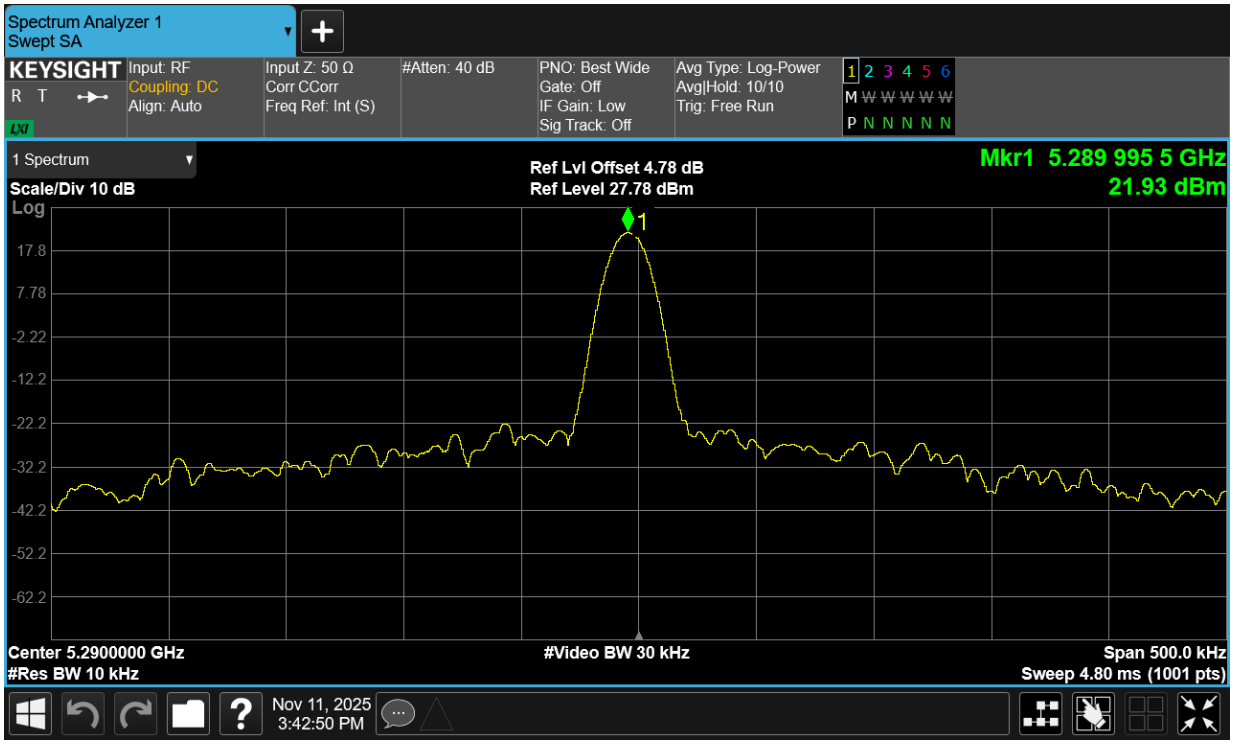
Freq. Stability HVNT 80M 5290MHz Ant1



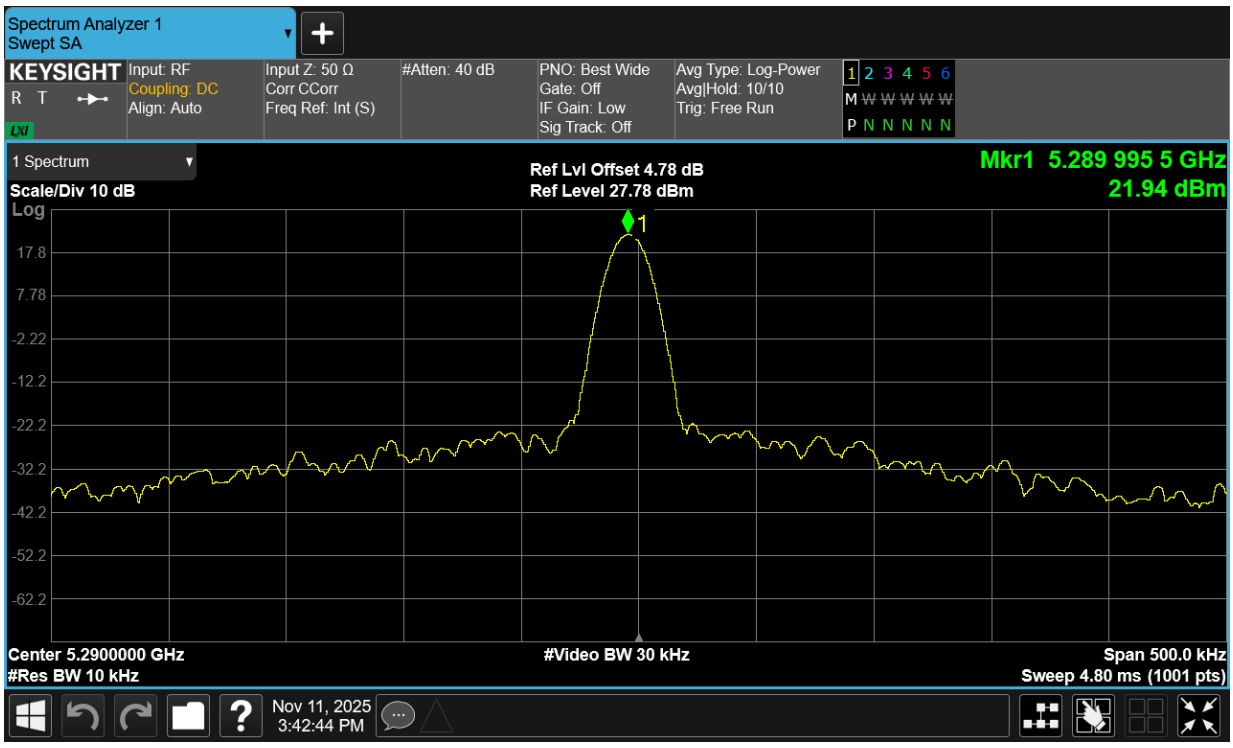
Freq. Stability LVNT 80M 5290MHz Ant1



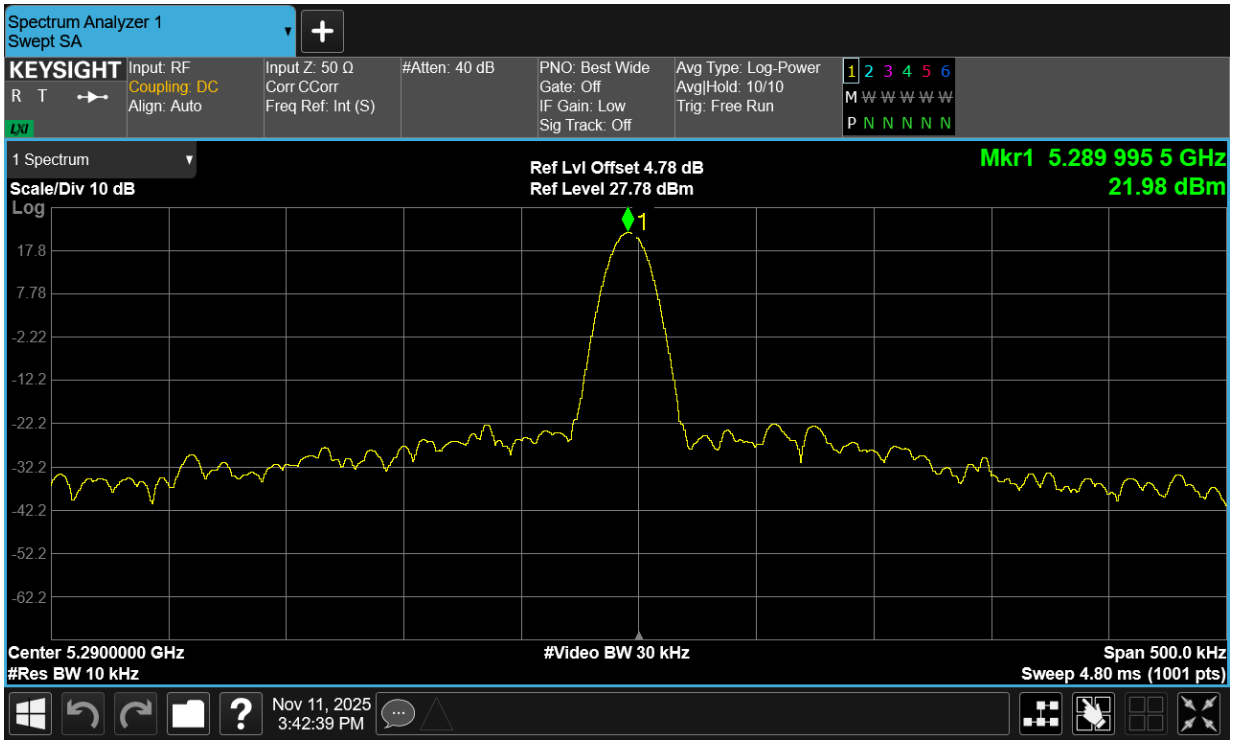
Freq. Stability NVHT 80M 5290MHz Ant1



Freq. Stability NVLT 80M 5290MHz Ant1



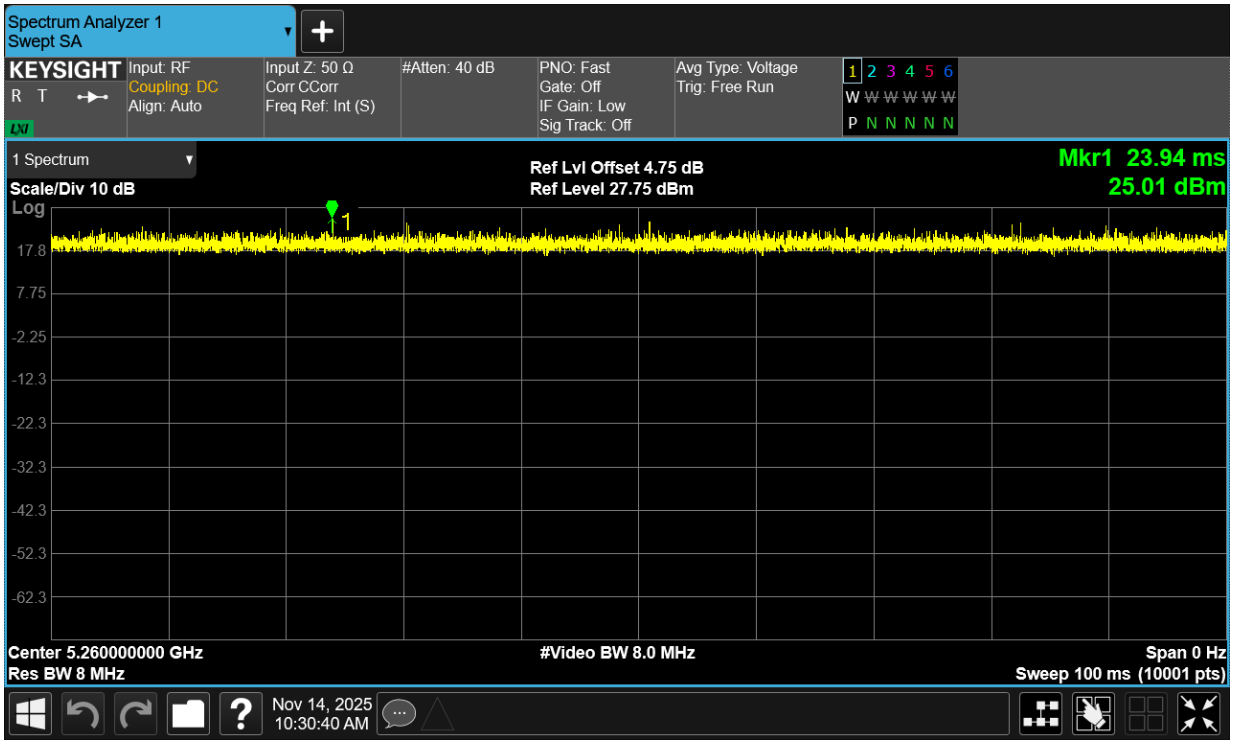
Freq. Stability NVNT 80M 5290MHz Ant1



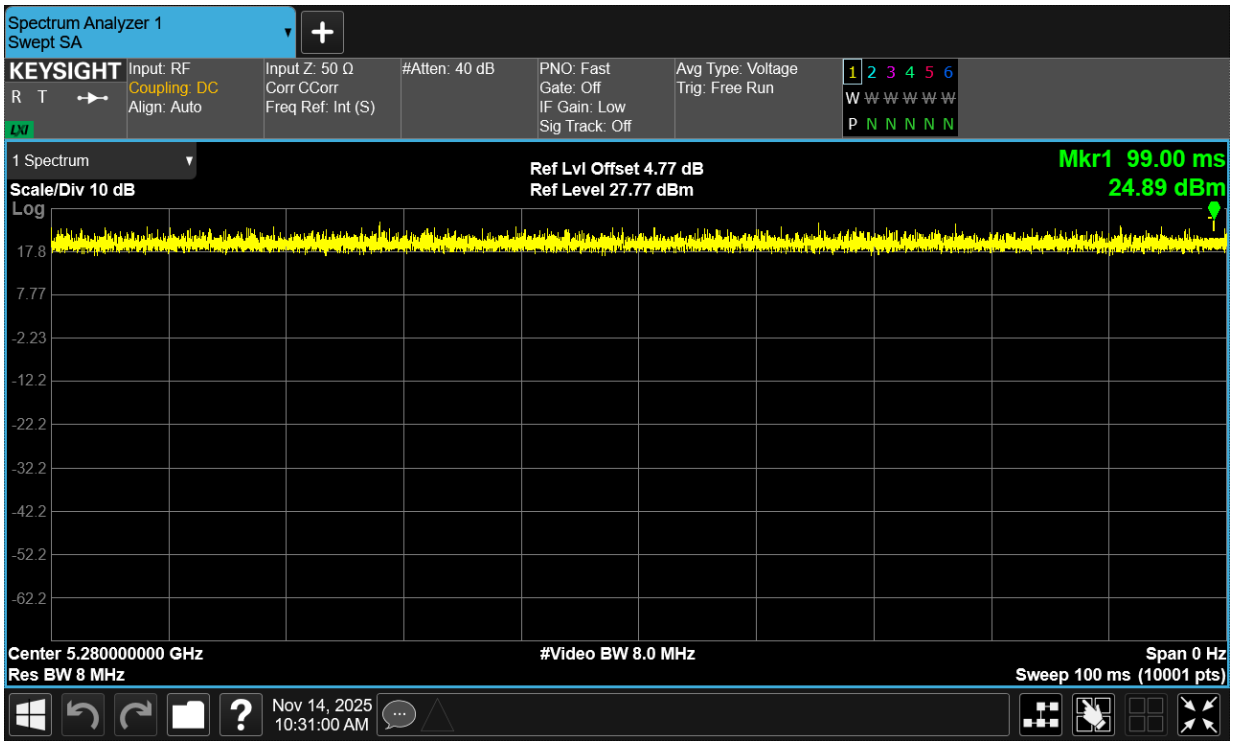
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5260	Ant1	100	0
NVNT	a	5280	Ant1	100	0
NVNT	a	5320	Ant1	100	0
NVNT	ac20	5260	Ant1	100	0
NVNT	ac20	5280	Ant1	100	0
NVNT	ac20	5320	Ant1	100	0
NVNT	ac40	5270	Ant1	100	0
NVNT	ac40	5310	Ant1	100	0
NVNT	ac80	5290	Ant1	100	0
NVNT	n20	5260	Ant1	100	0
NVNT	n20	5280	Ant1	100	0
NVNT	n20	5320	Ant1	100	0
NVNT	n40	5270	Ant1	100	0
NVNT	n40	5310	Ant1	100	0

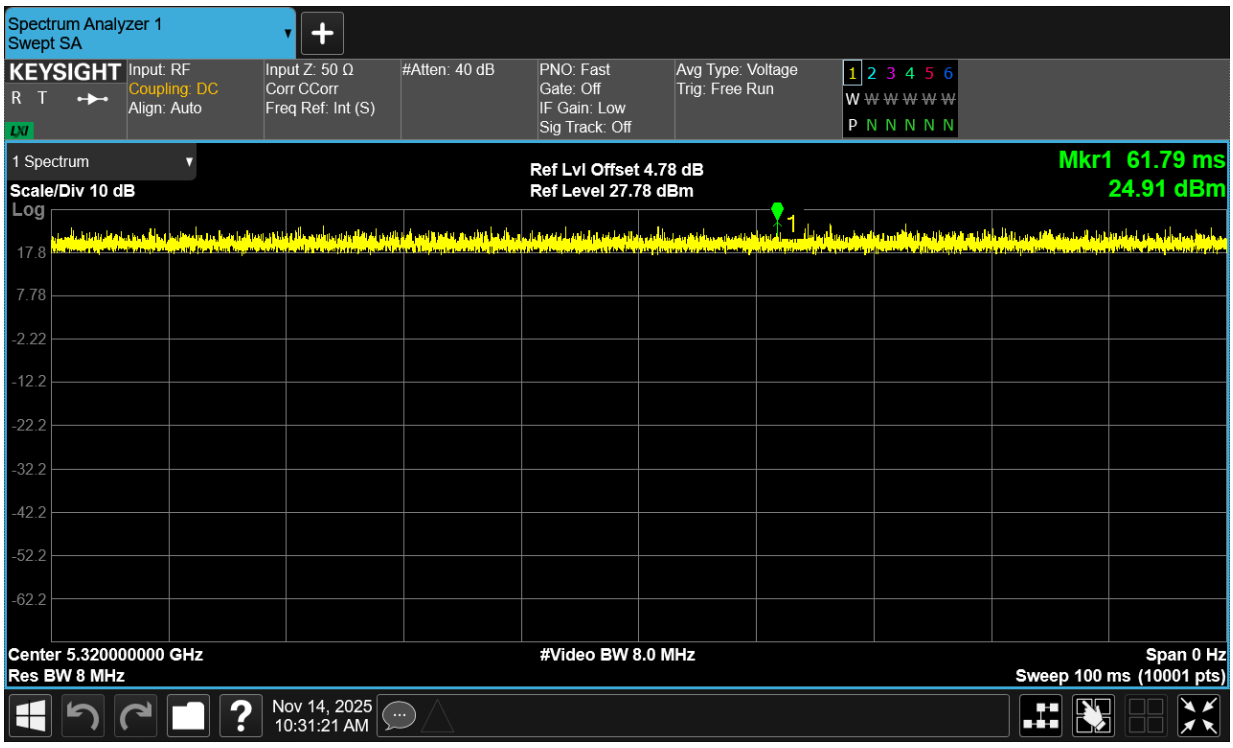
Test Graphs
Duty Cycle NVNT a 5260MHz Ant1



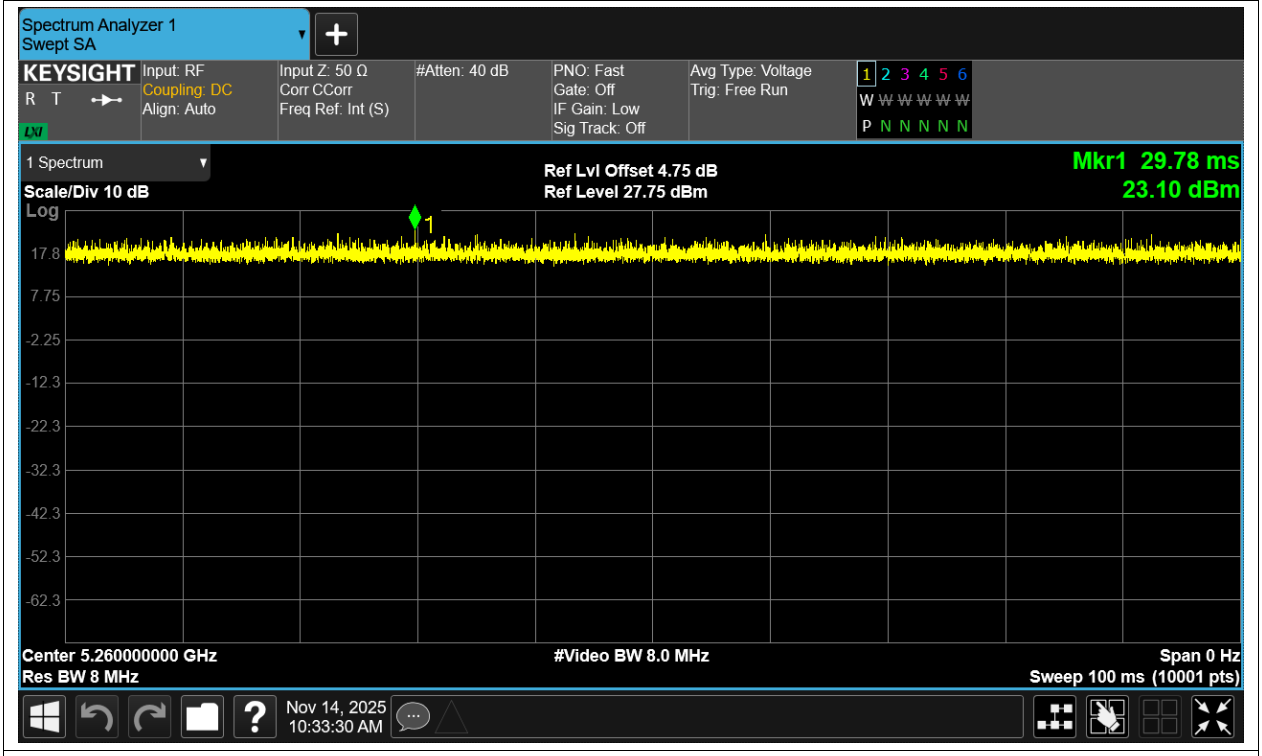
Duty Cycle NVNT a 5280MHz Ant1



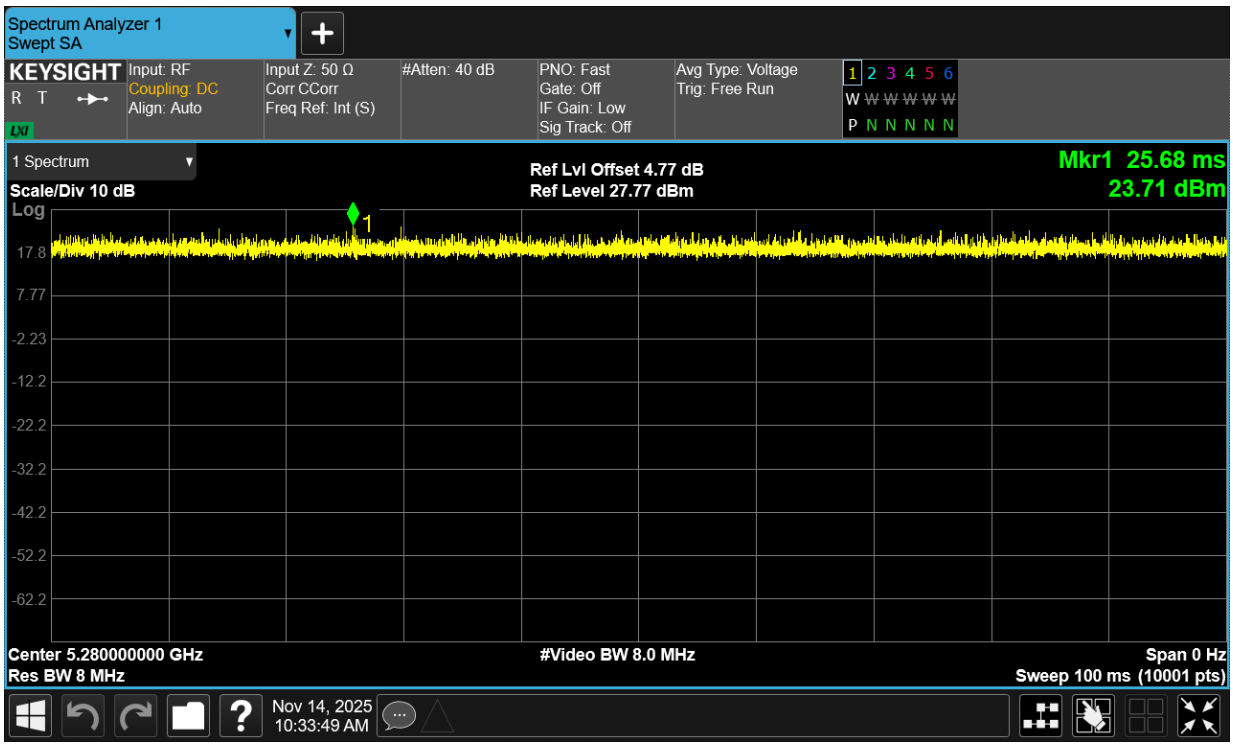
Duty Cycle NVNT a 5320MHz Ant1



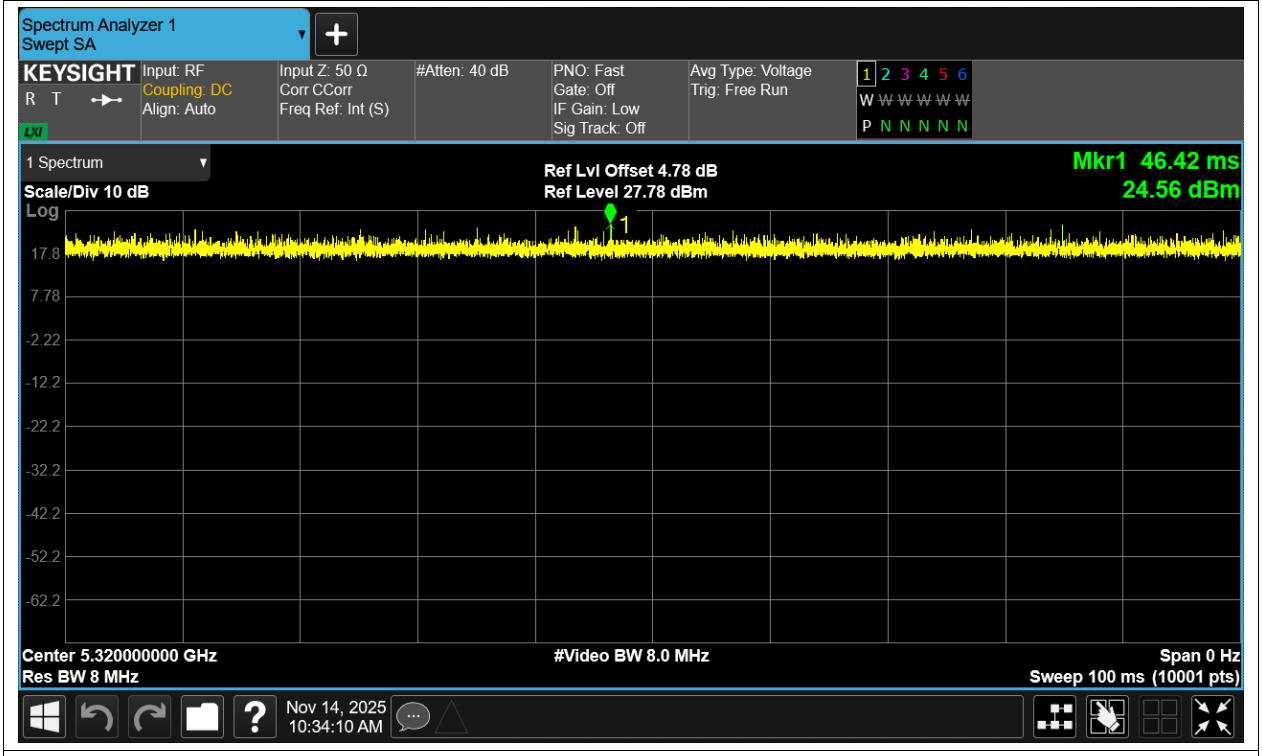
Duty Cycle NVNT ac20 5260MHz Ant1



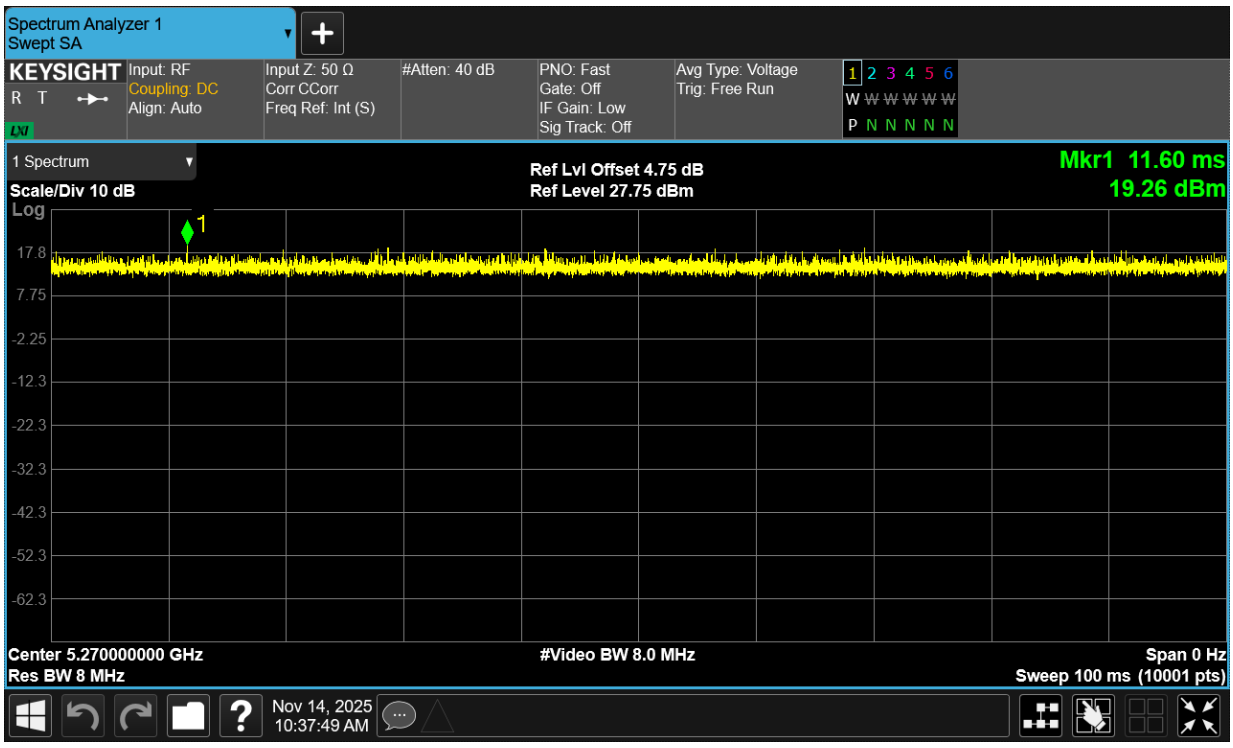
Duty Cycle NVNT ac20 5280MHz Ant1



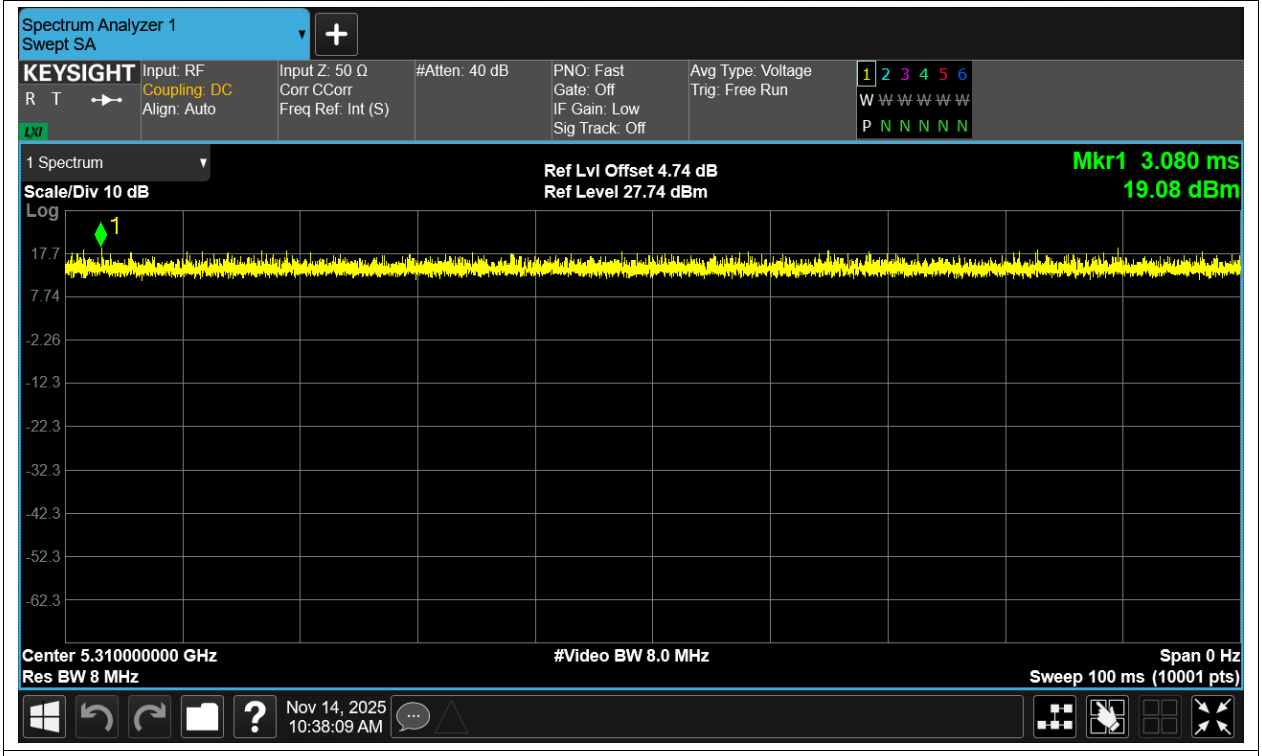
Duty Cycle NVNT ac20 5320MHz Ant1



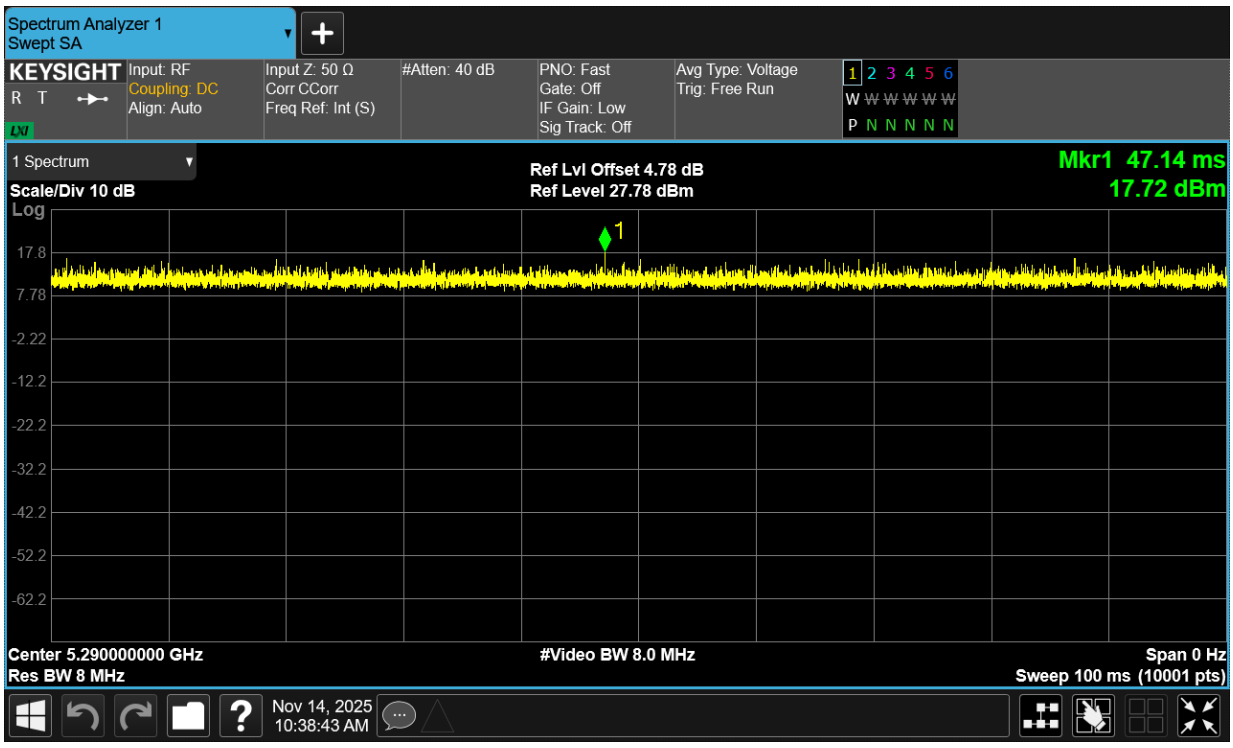
Duty Cycle NVNT ac40 5270MHz Ant1



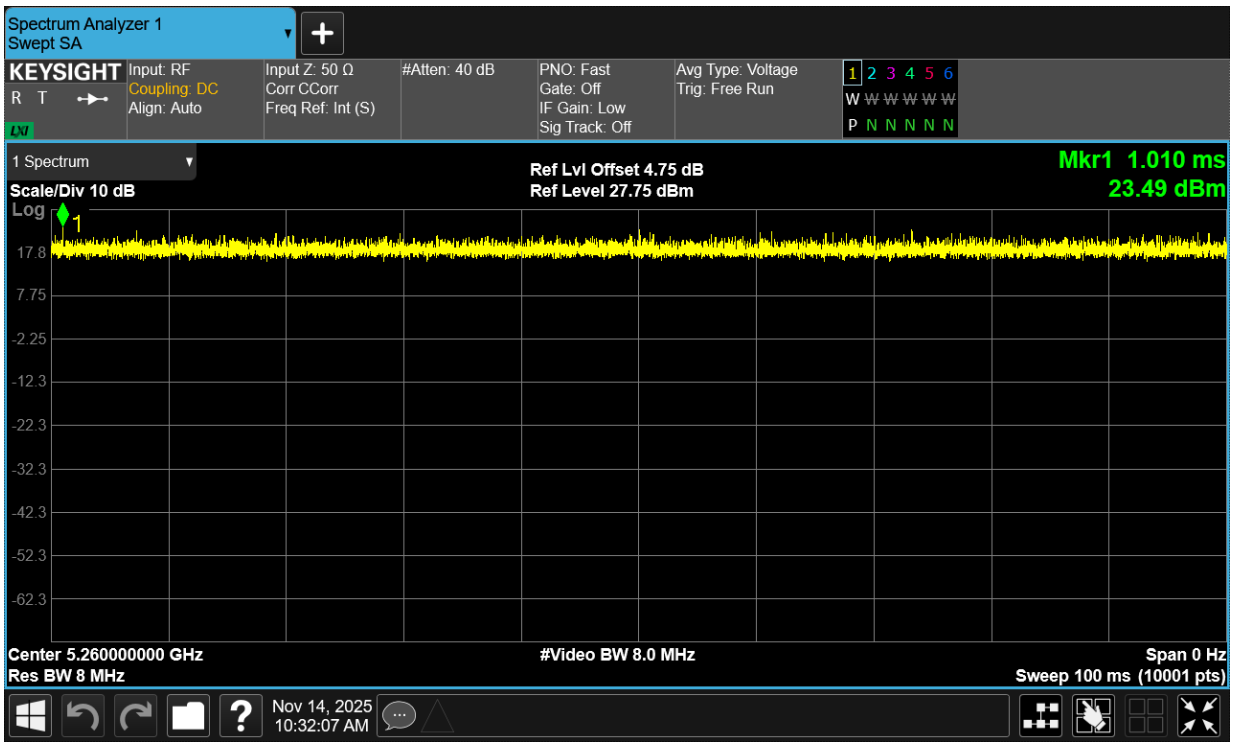
Duty Cycle NVNT ac40 5310MHz Ant1



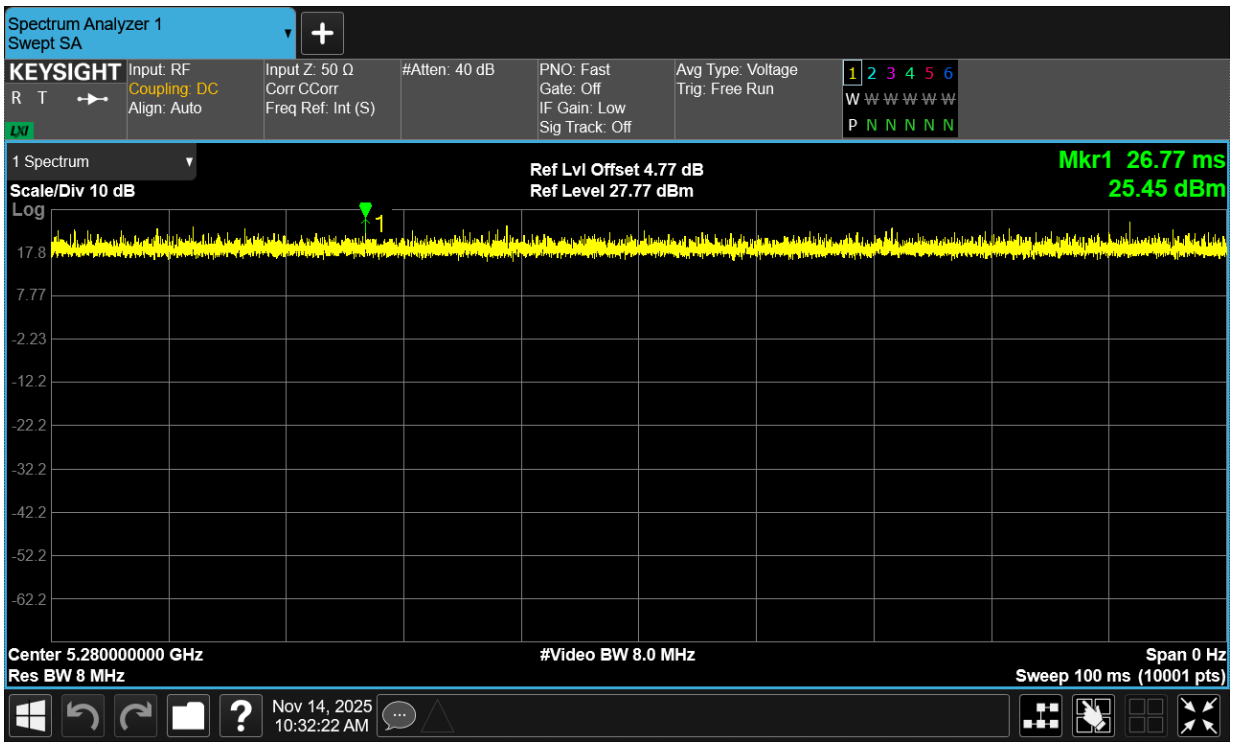
Duty Cycle NVNT ac80 5290MHz Ant1



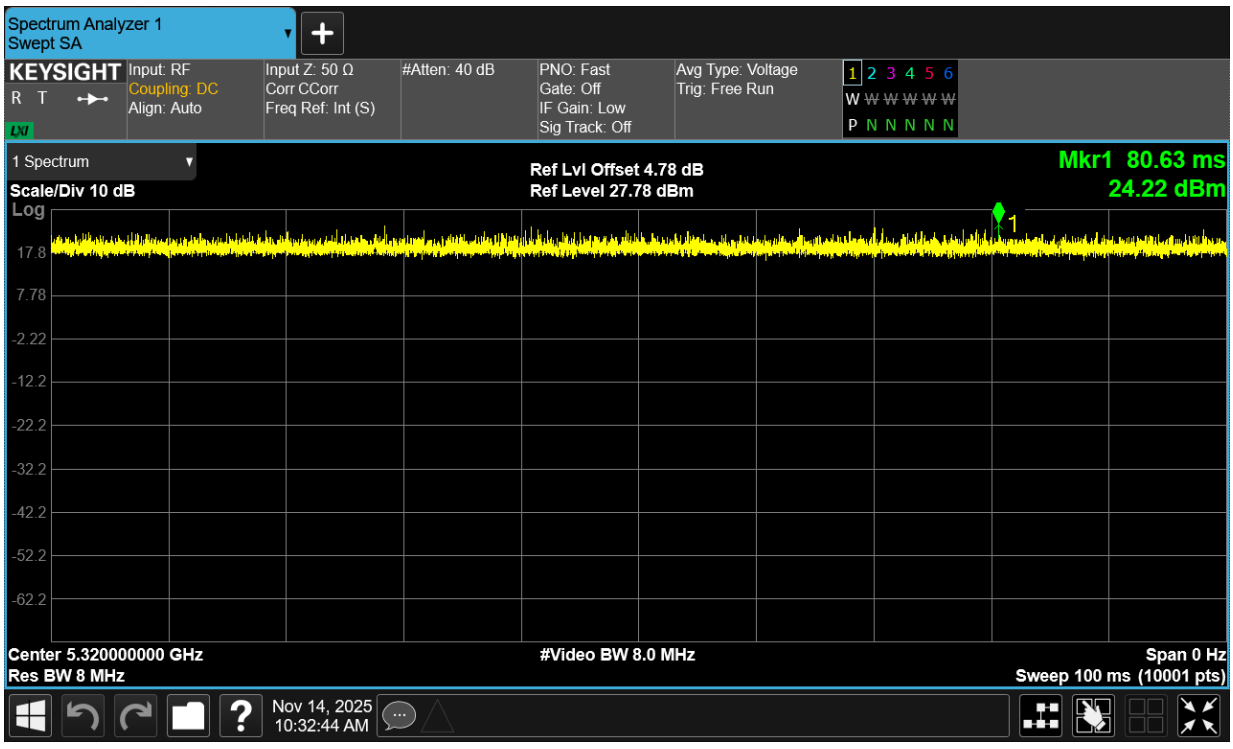
Duty Cycle NVNT n20 5260MHz Ant1



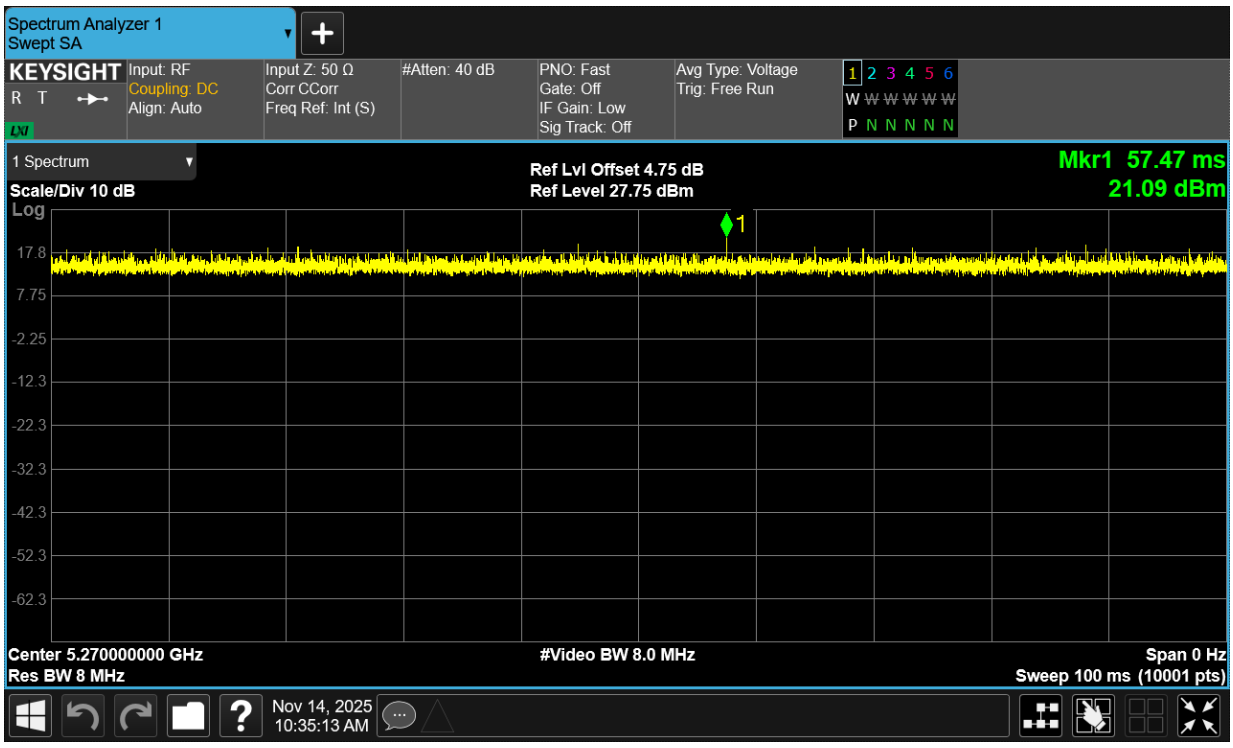
Duty Cycle NVNT n20 5280MHz Ant1



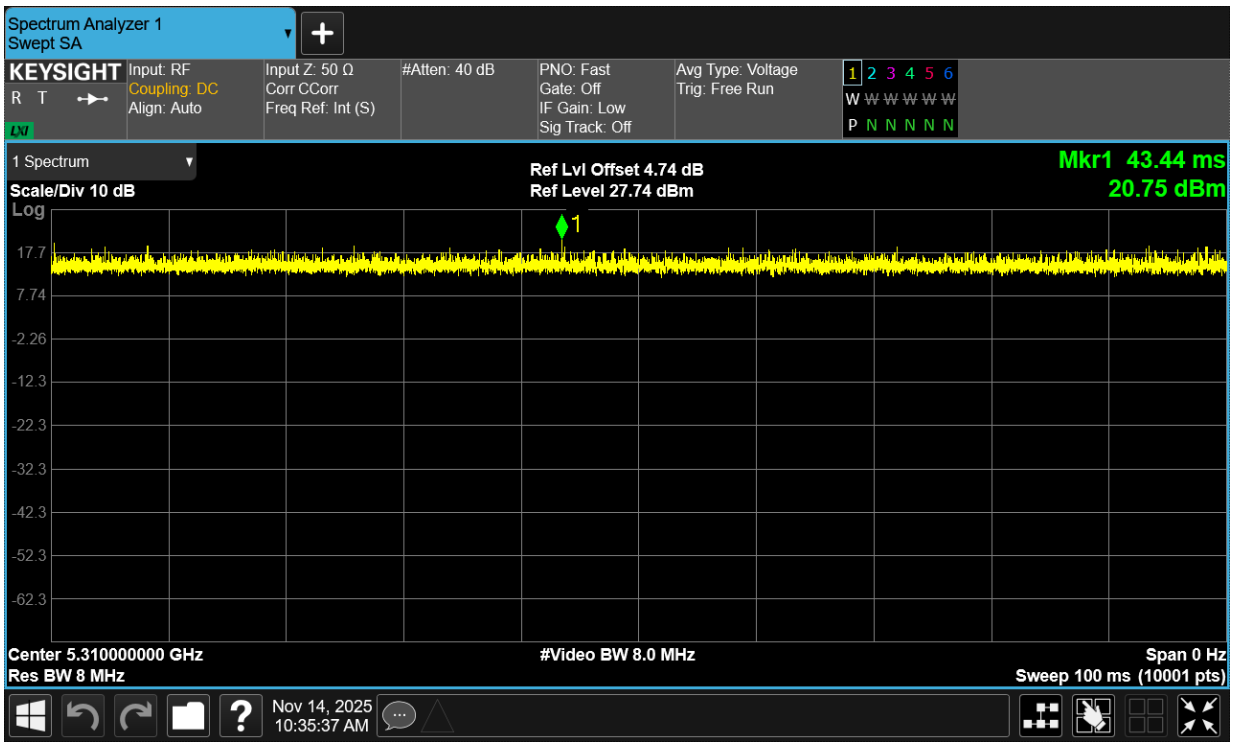
Duty Cycle NVNT n20 5320MHz Ant1



Duty Cycle NVNT n40 5270MHz Ant1



Duty Cycle NVNT n40 5310MHz Ant1



Maximum Conducted Output Power

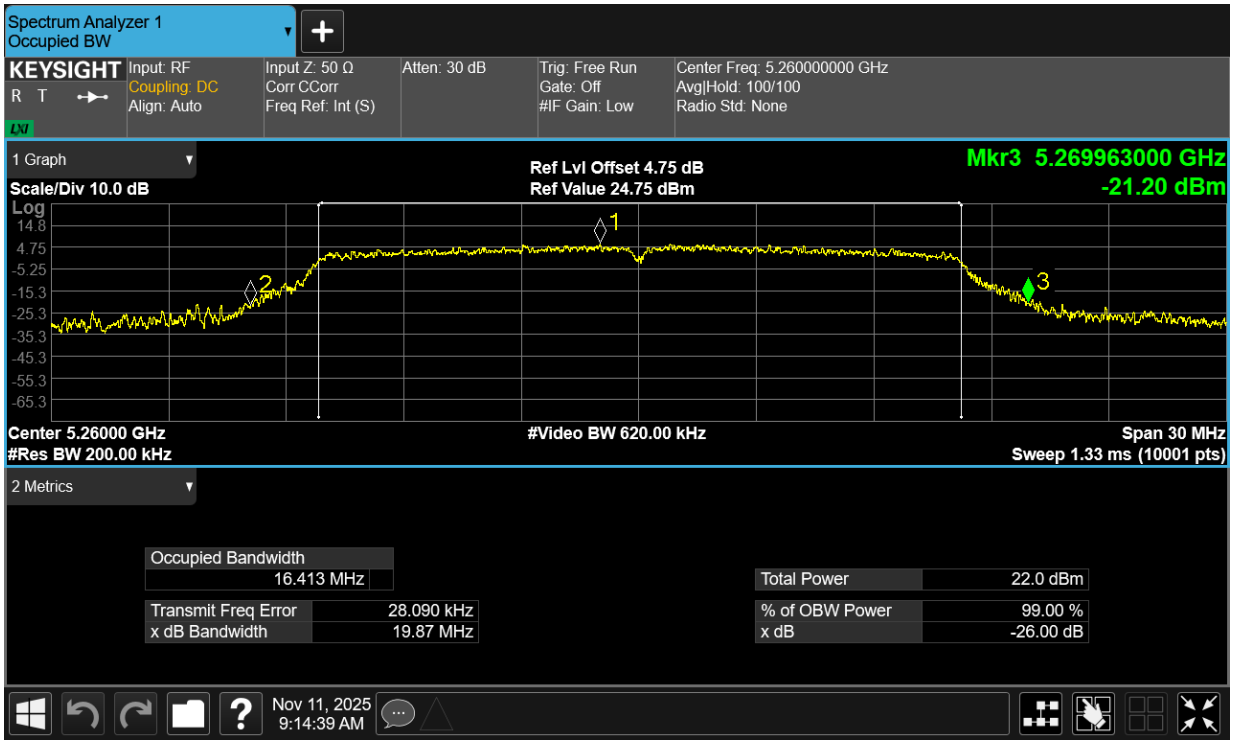
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	14.35	0	14.35	24	Pass
NVNT	a	5280	Ant1	14.22	0	14.22	24	Pass
NVNT	a	5320	Ant1	15.25	0	15.25	24	Pass
NVNT	ac20	5260	Ant1	12.99	0	12.99	24	Pass
NVNT	ac20	5280	Ant1	13.57	0	13.57	24	Pass
NVNT	ac20	5320	Ant1	14.58	0	14.58	24	Pass
NVNT	ac40	5270	Ant1	12.31	0	12.31	24	Pass
NVNT	ac40	5310	Ant1	13.04	0	13.04	24	Pass
NVNT	ac80	5290	Ant1	12.89	0	12.89	24	Pass
NVNT	n20	5260	Ant1	13.69	0	13.69	24	Pass
NVNT	n20	5280	Ant1	13.56	0	13.56	24	Pass
NVNT	n20	5320	Ant1	14.55	0	14.55	24	Pass
NVNT	n40	5270	Ant1	12.51	0	12.51	24	Pass
NVNT	n40	5310	Ant1	13.52	0	13.52	24	Pass

-26dB Bandwidth

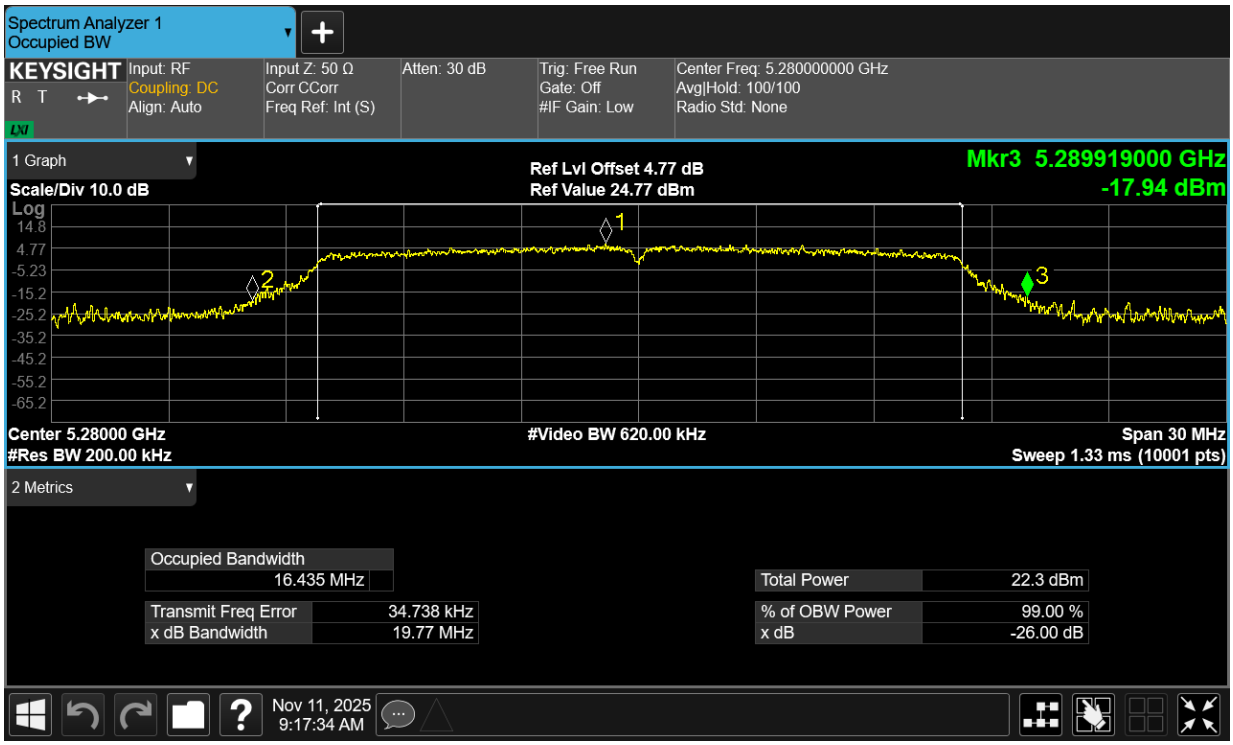
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5260	Ant1	19.869
NVNT	a	5280	Ant1	19.769
NVNT	a	5320	Ant1	19.998
NVNT	ac20	5260	Ant1	20.236
NVNT	ac20	5280	Ant1	20.118
NVNT	ac20	5320	Ant1	19.987
NVNT	ac40	5270	Ant1	40.411
NVNT	ac40	5310	Ant1	39.866
NVNT	ac80	5290	Ant1	80.351
NVNT	n20	5260	Ant1	20.167
NVNT	n20	5280	Ant1	20.832
NVNT	n20	5320	Ant1	19.967
NVNT	n40	5270	Ant1	44.687
NVNT	n40	5310	Ant1	40.286

Test Graphs

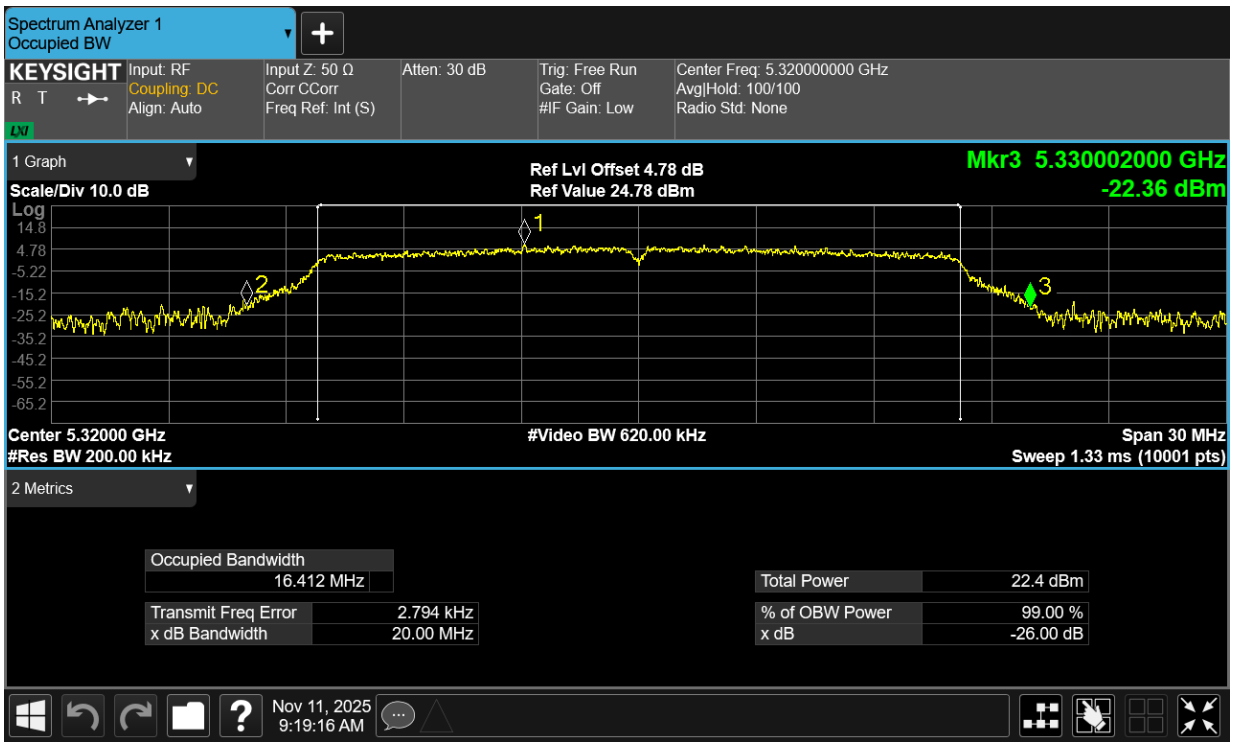
-26dB Bandwidth NVNT a 5260MHz Ant1



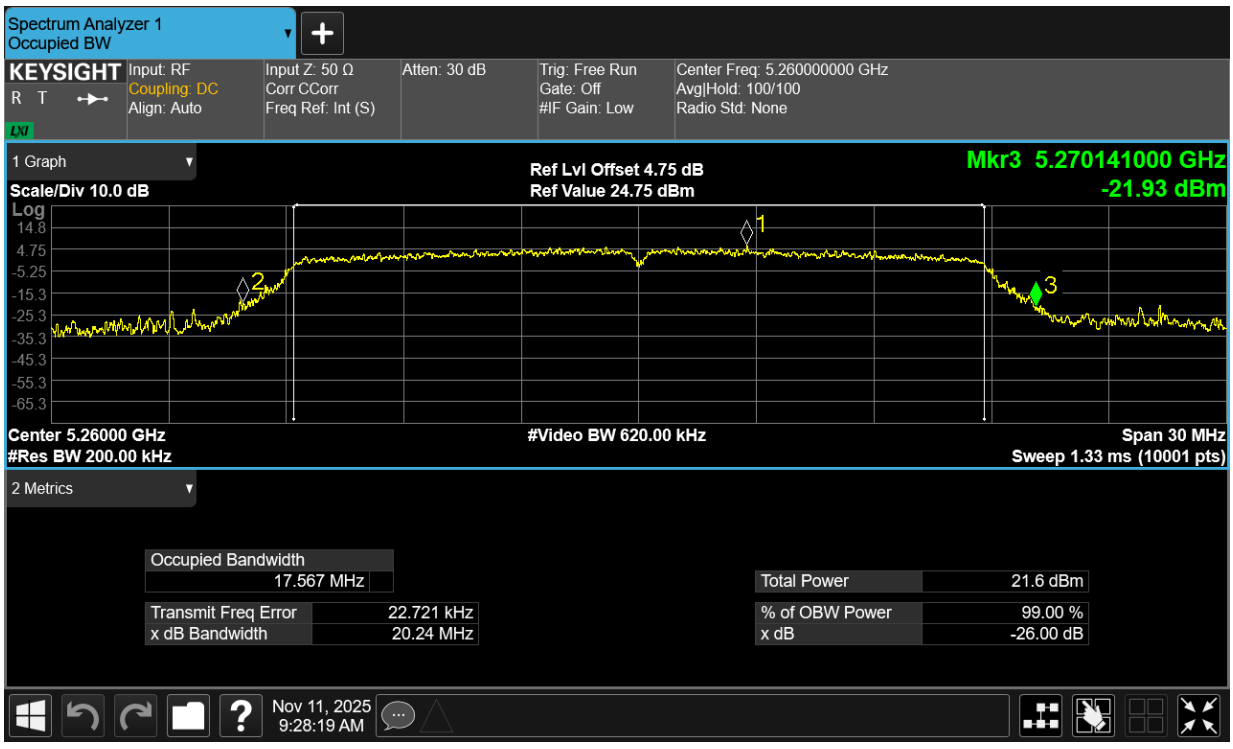
-26dB Bandwidth NVNT a 5280MHz Ant1



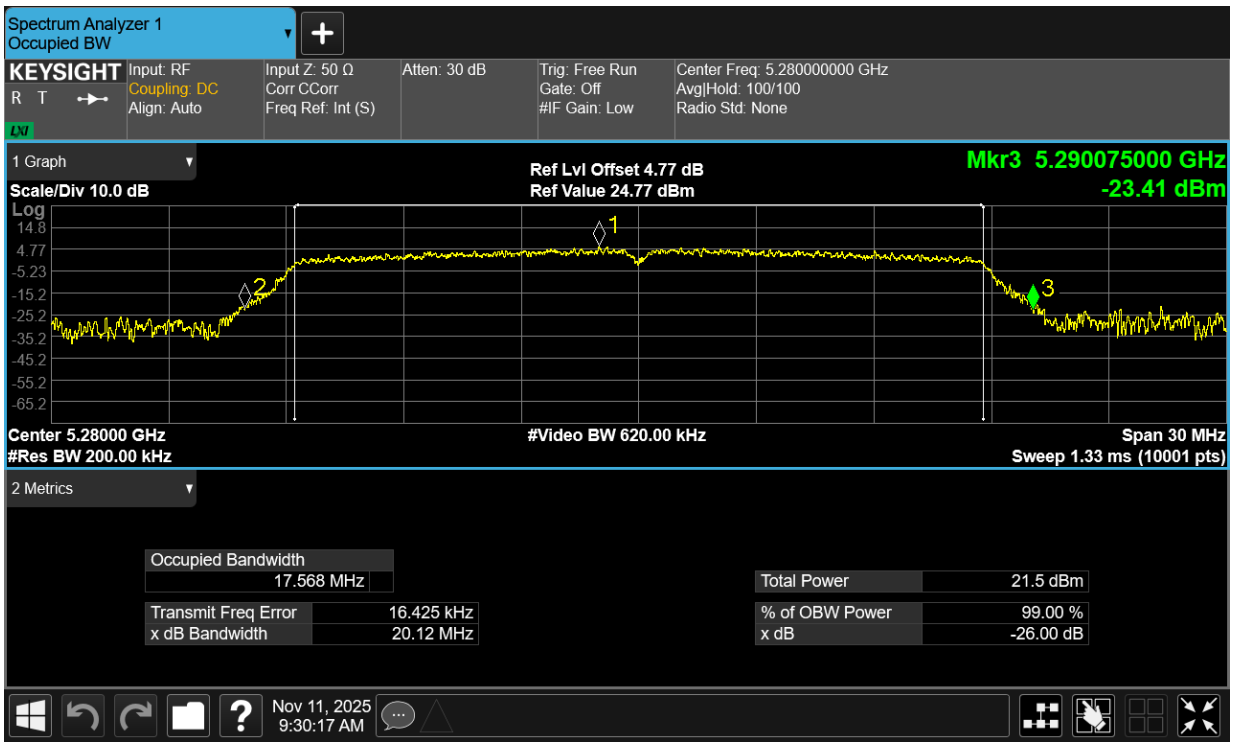
-26dB Bandwidth NVNT a 5320MHz Ant1



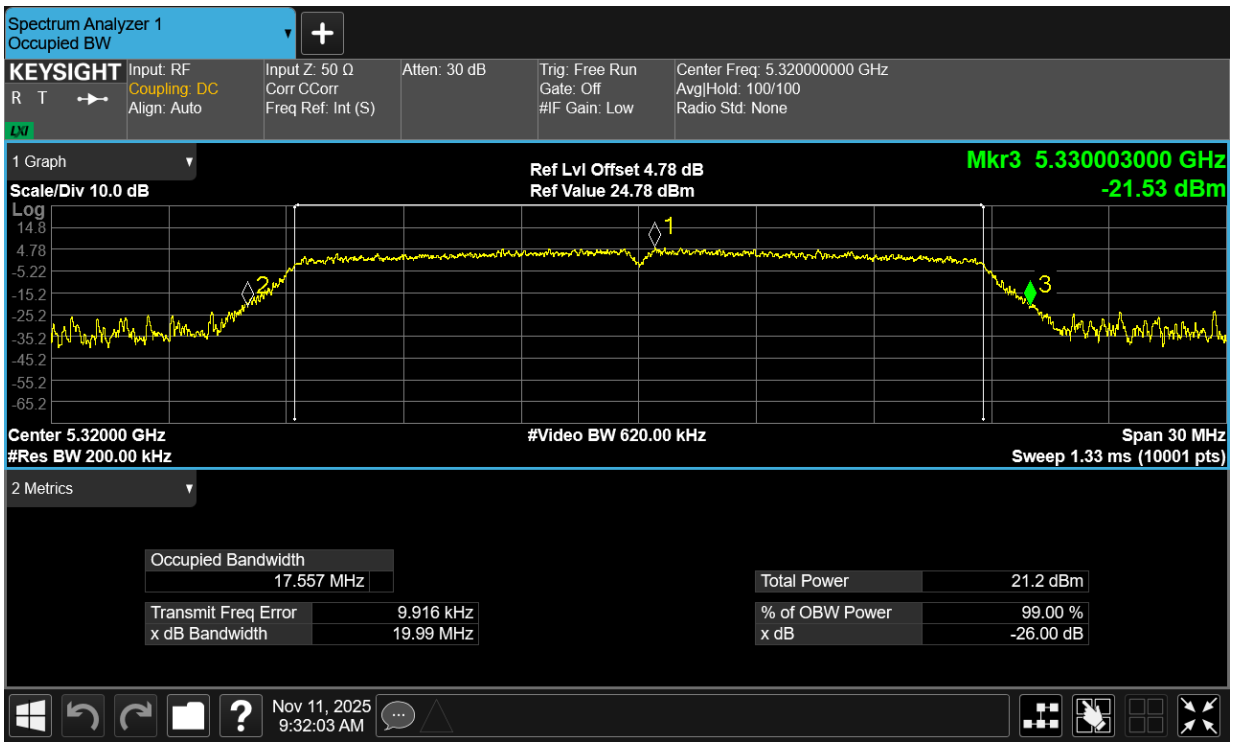
-26dB Bandwidth NVNT ac20 5260MHz Ant1



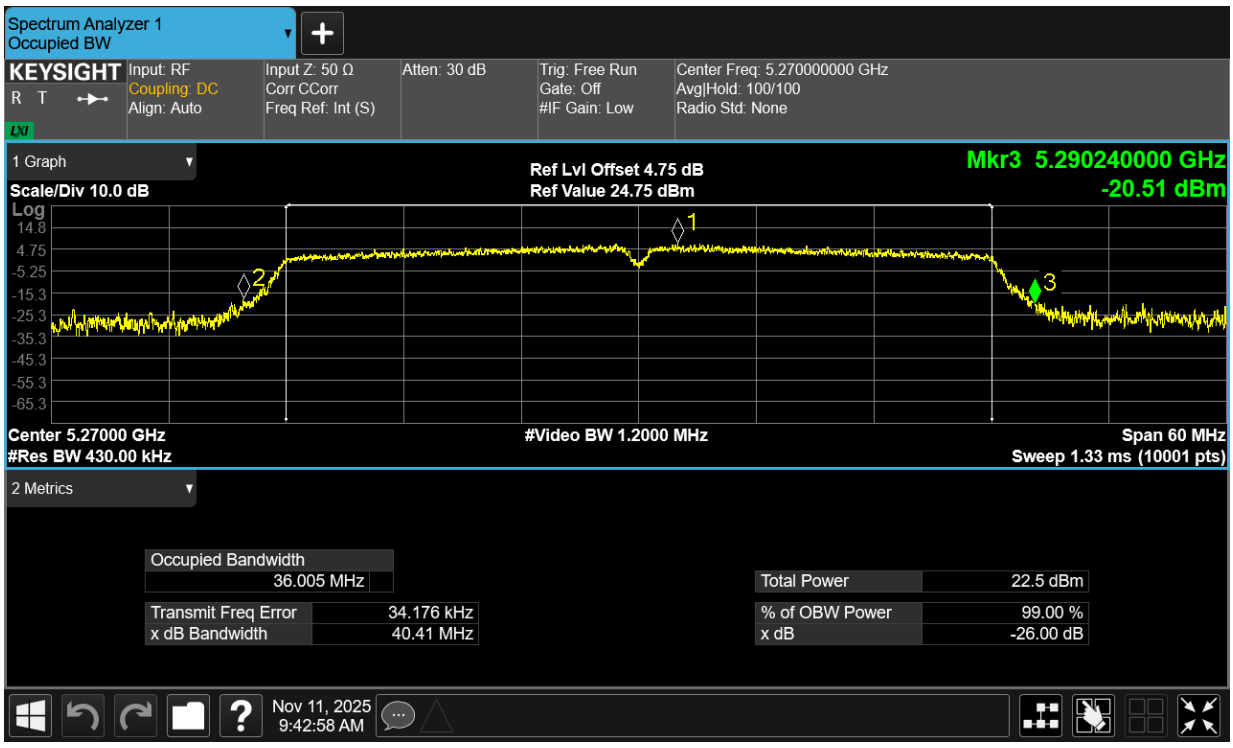
-26dB Bandwidth NVNT ac20 5280MHz Ant1



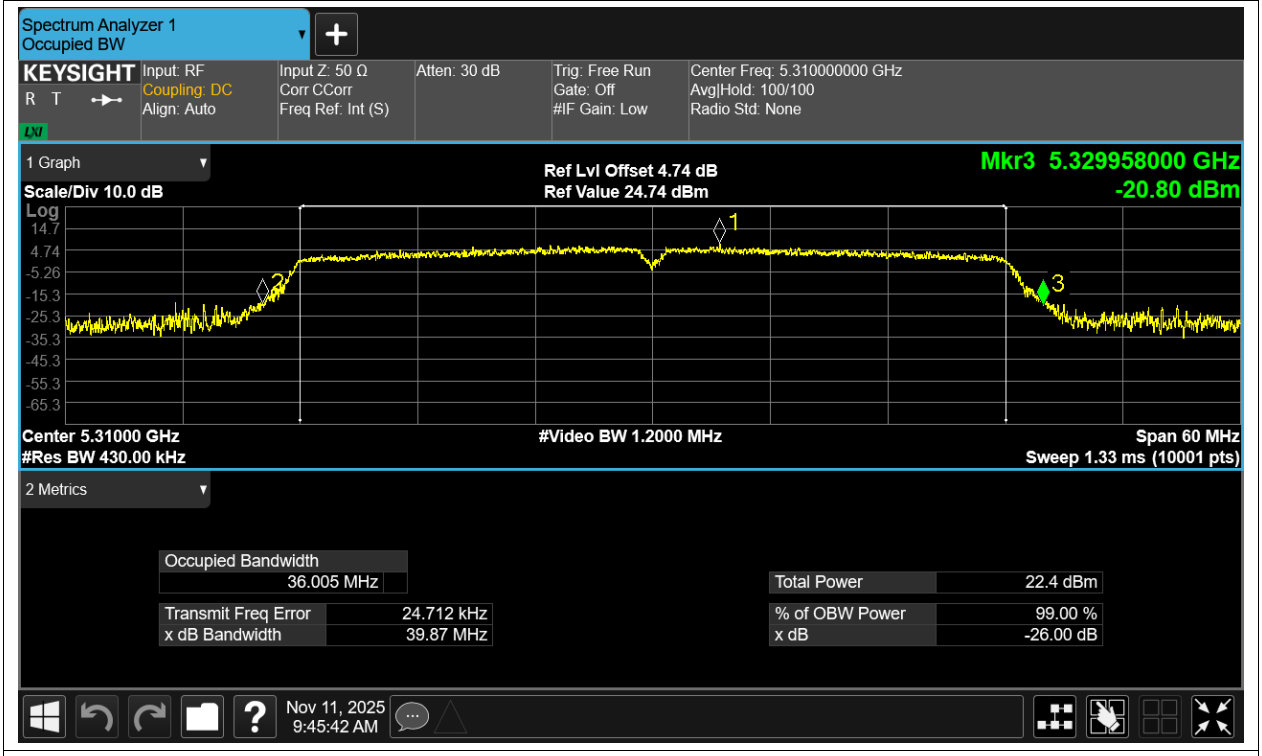
-26dB Bandwidth NVNT ac20 5320MHz Ant1



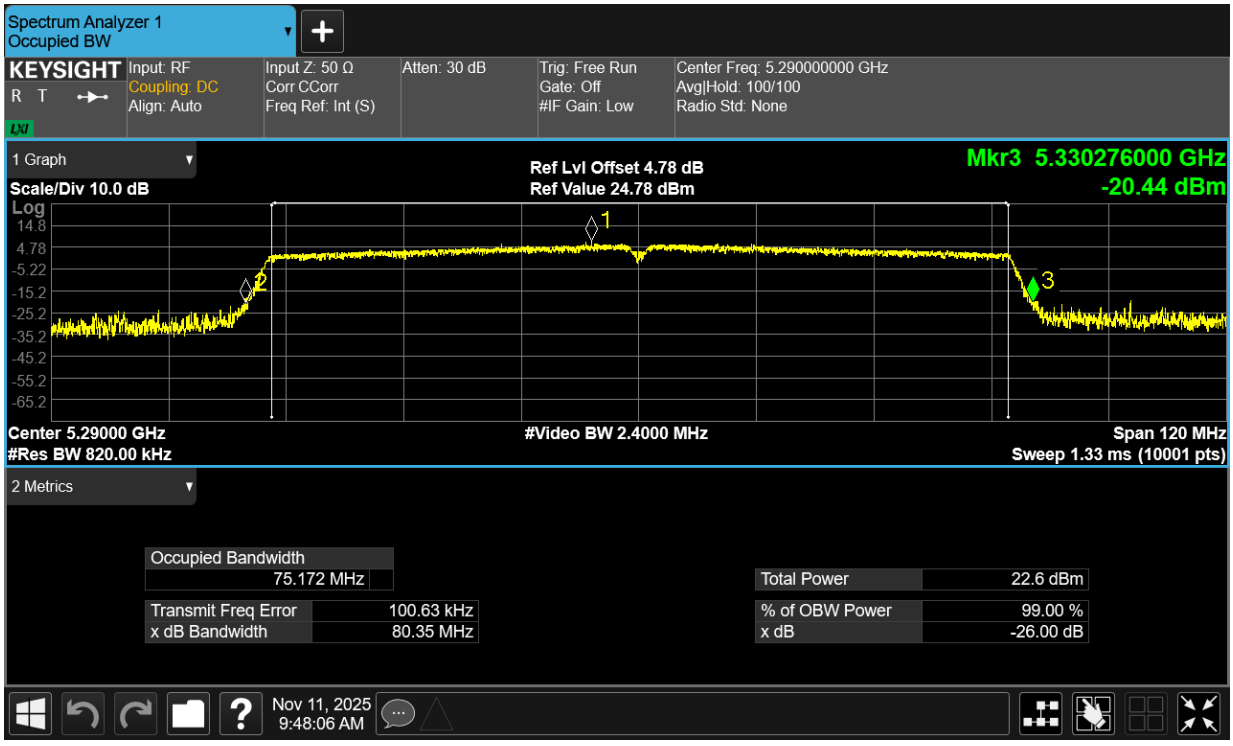
-26dB Bandwidth NVNT ac40 5270MHz Ant1



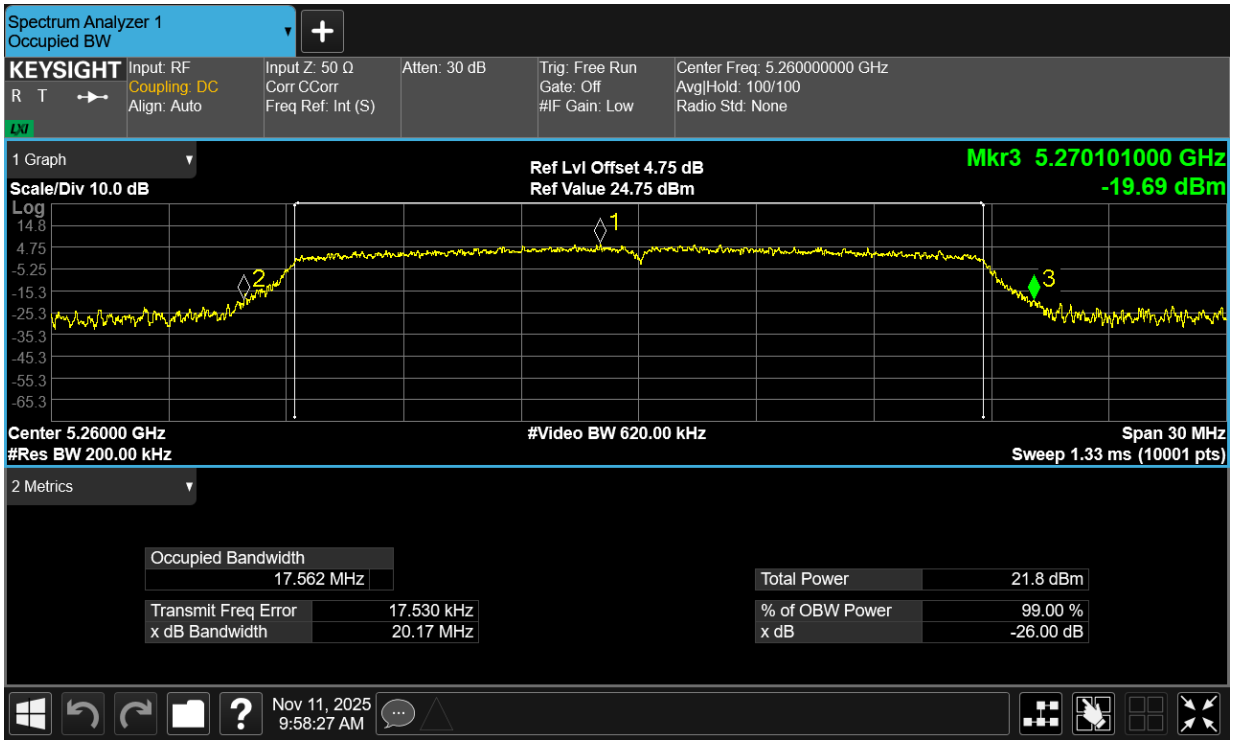
-26dB Bandwidth NVNT ac40 5310MHz Ant1



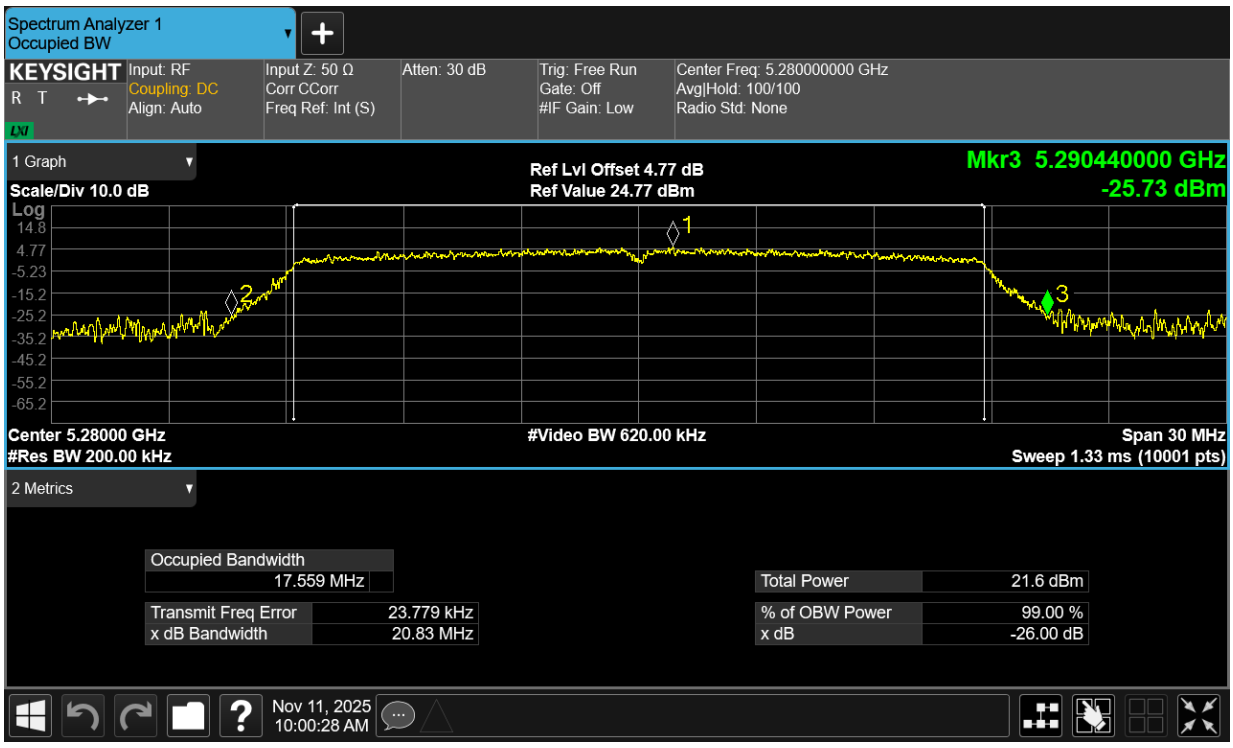
-26dB Bandwidth NVNT ac80 5290MHz Ant1



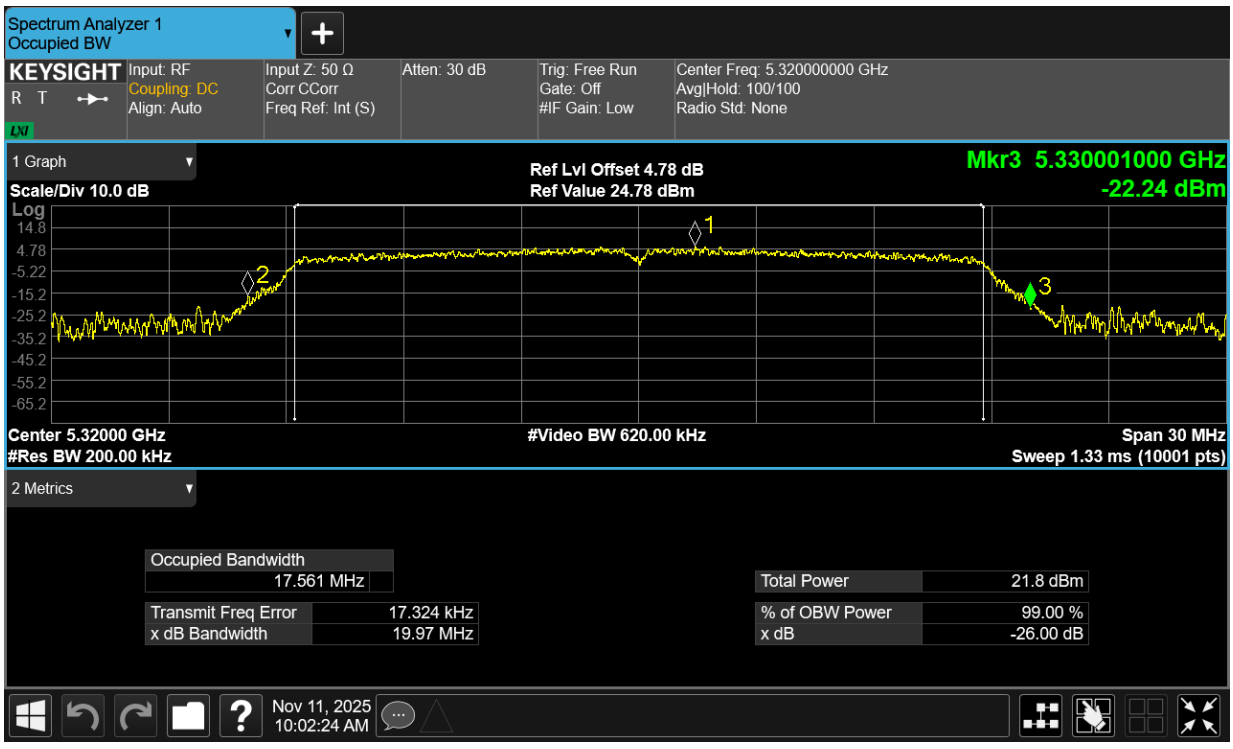
-26dB Bandwidth NVNT n20 5260MHz Ant1



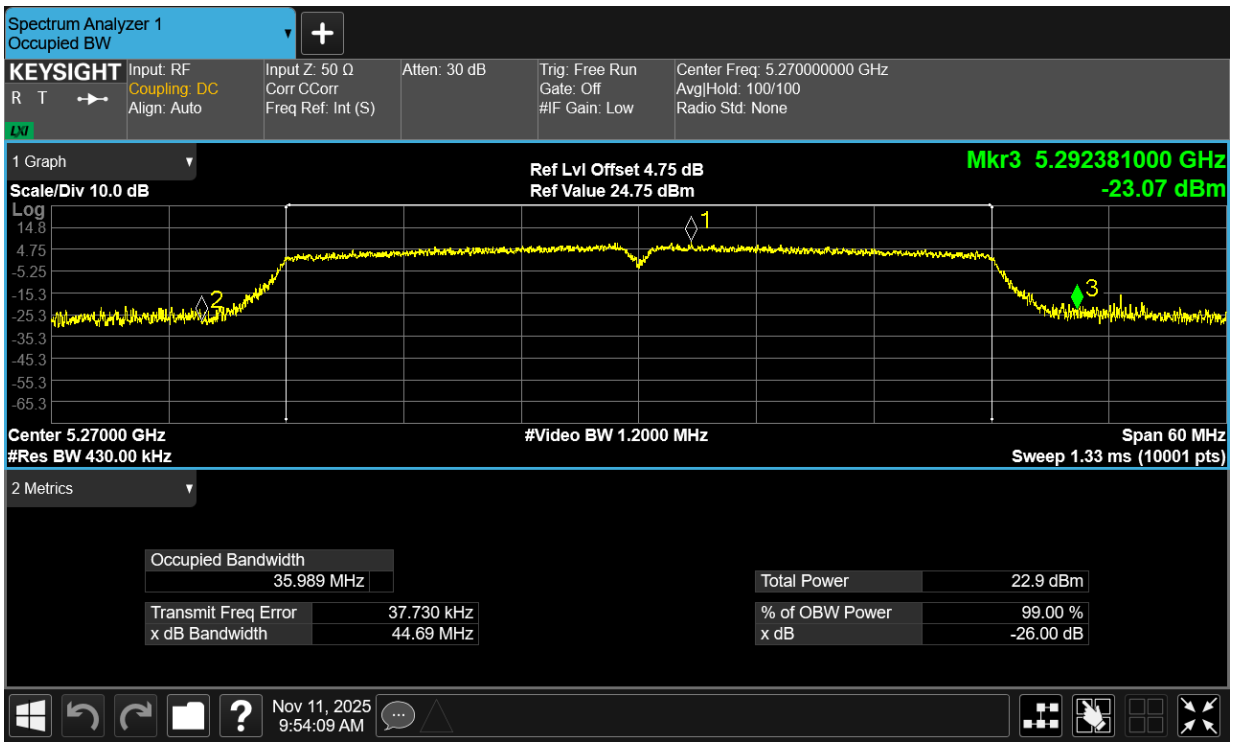
-26dB Bandwidth NVNT n20 5280MHz Ant1



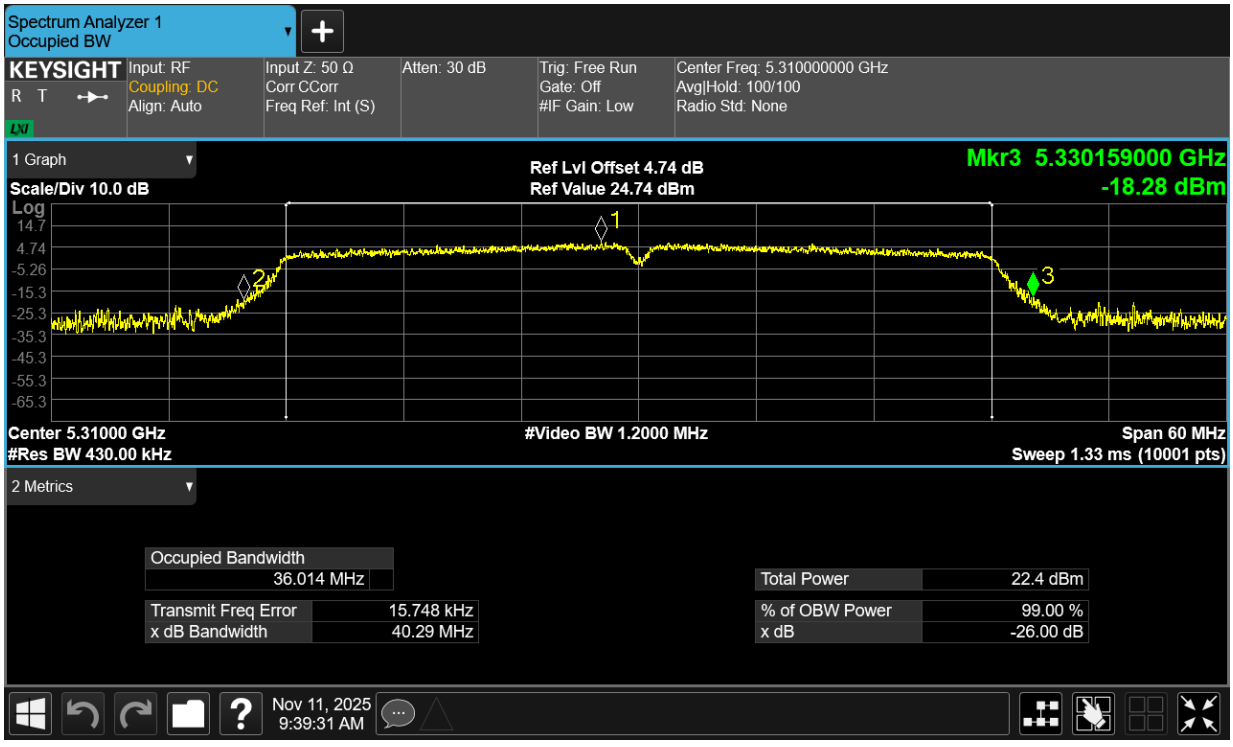
-26dB Bandwidth NVNT n20 5320MHz Ant1



-26dB Bandwidth NVNT n40 5270MHz Ant1



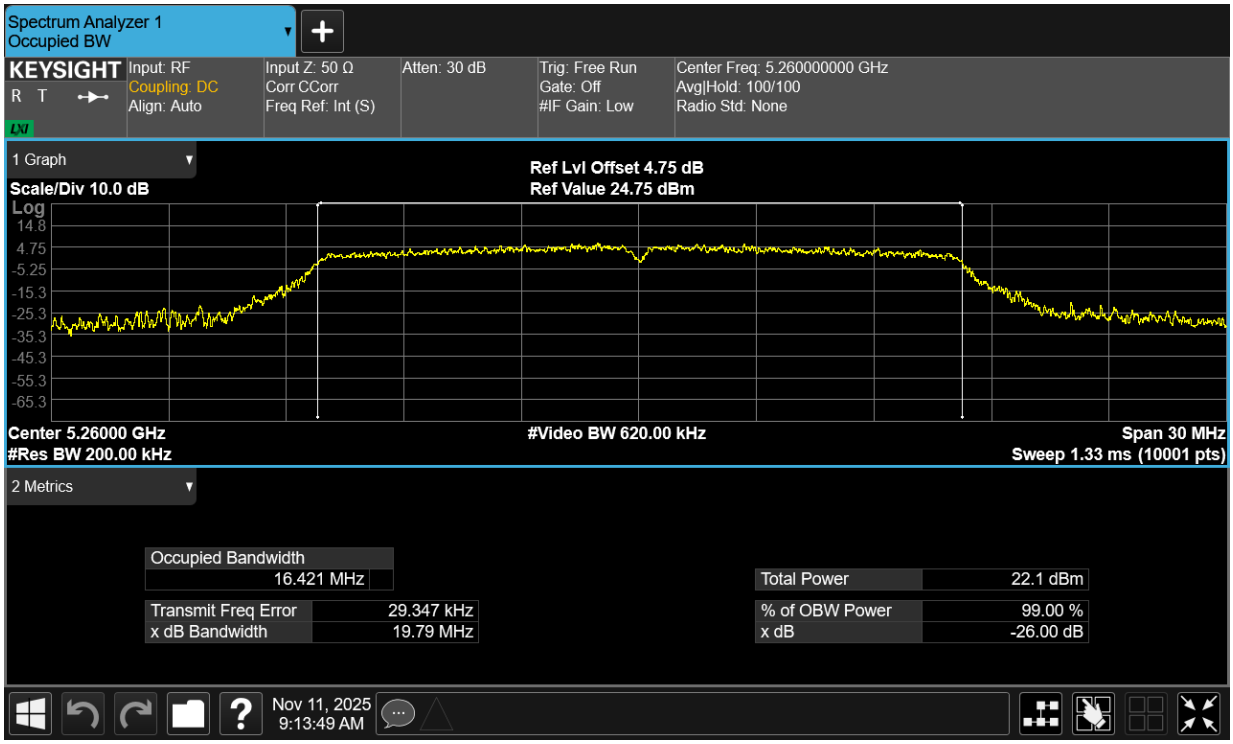
-26dB Bandwidth NVNT n40 5310MHz Ant1



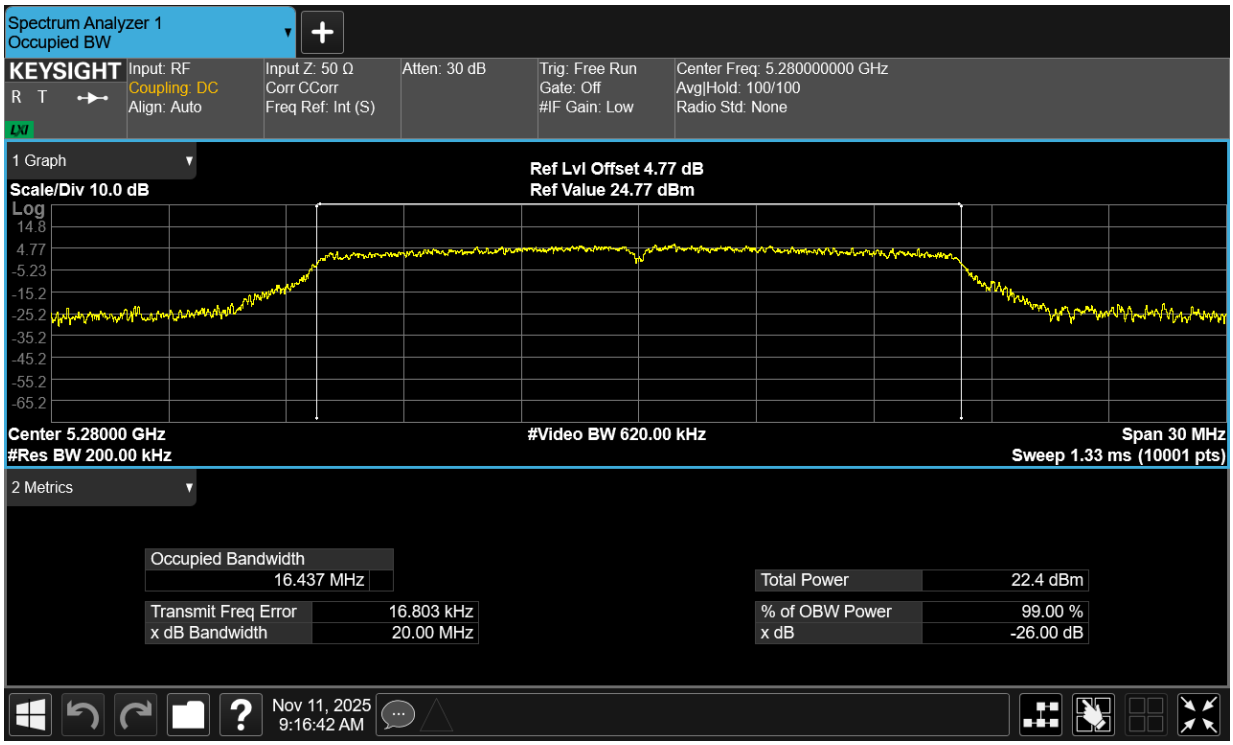
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.421
NVNT	a	5280	Ant1	16.437
NVNT	a	5320	Ant1	16.413
NVNT	ac20	5260	Ant1	17.563
NVNT	ac20	5280	Ant1	17.548
NVNT	ac20	5320	Ant1	17.568
NVNT	ac40	5270	Ant1	35.947
NVNT	ac40	5310	Ant1	36.017
NVNT	ac80	5290	Ant1	75.196
NVNT	n20	5260	Ant1	17.576
NVNT	n20	5280	Ant1	17.564
NVNT	n20	5320	Ant1	17.567
NVNT	n40	5270	Ant1	36.004
NVNT	n40	5310	Ant1	35.968

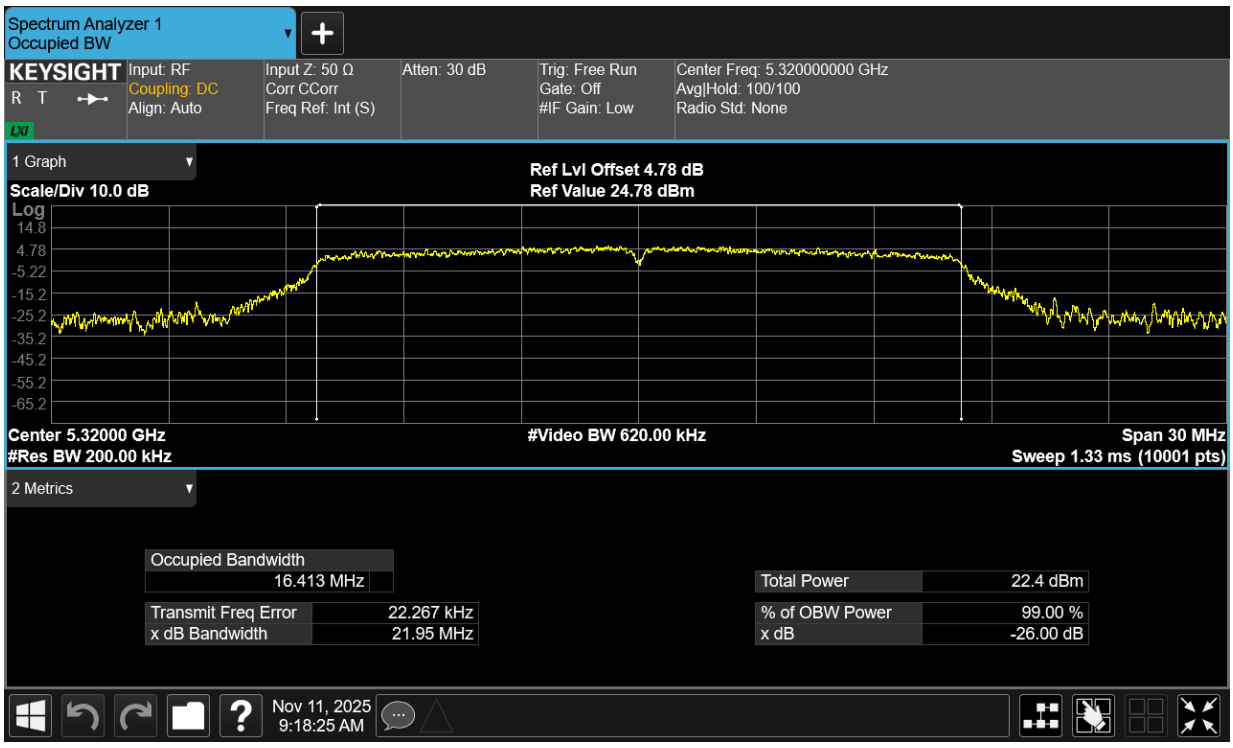
Test Graphs
OBW NVNT a 5260MHz Ant1



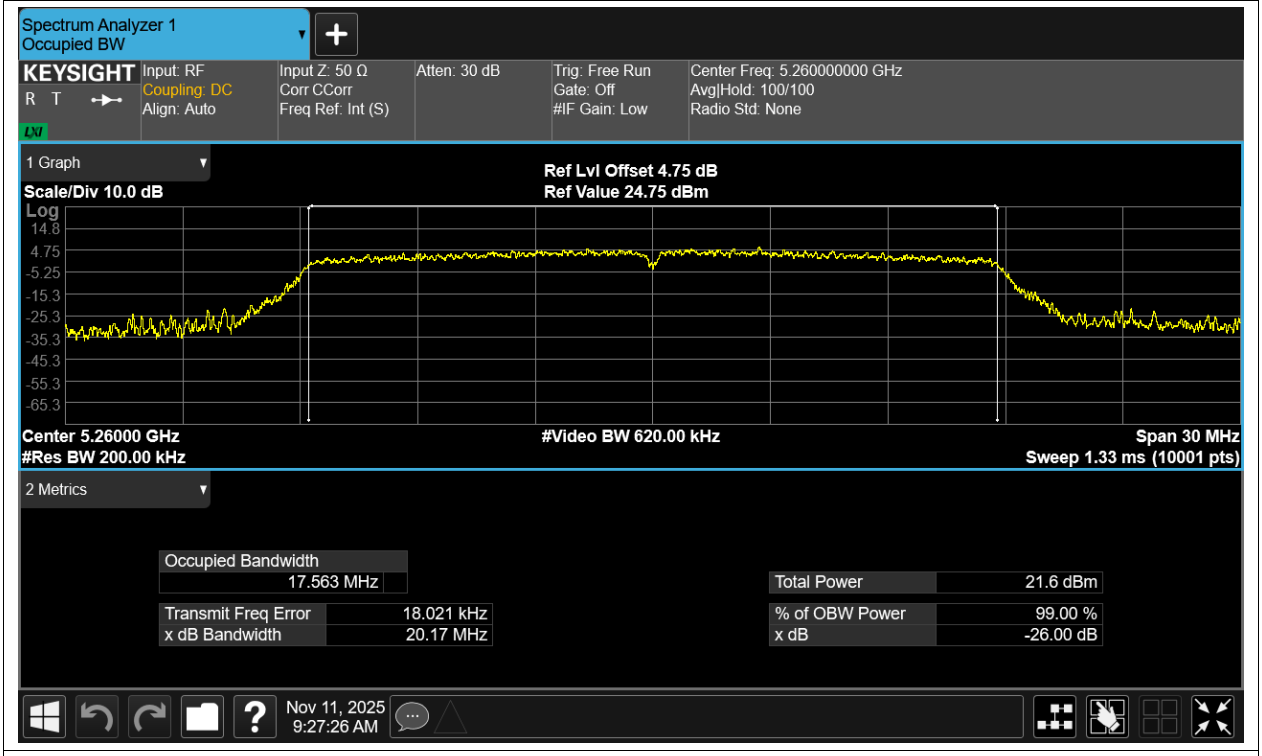
OBW NVNT a 5280MHz Ant1



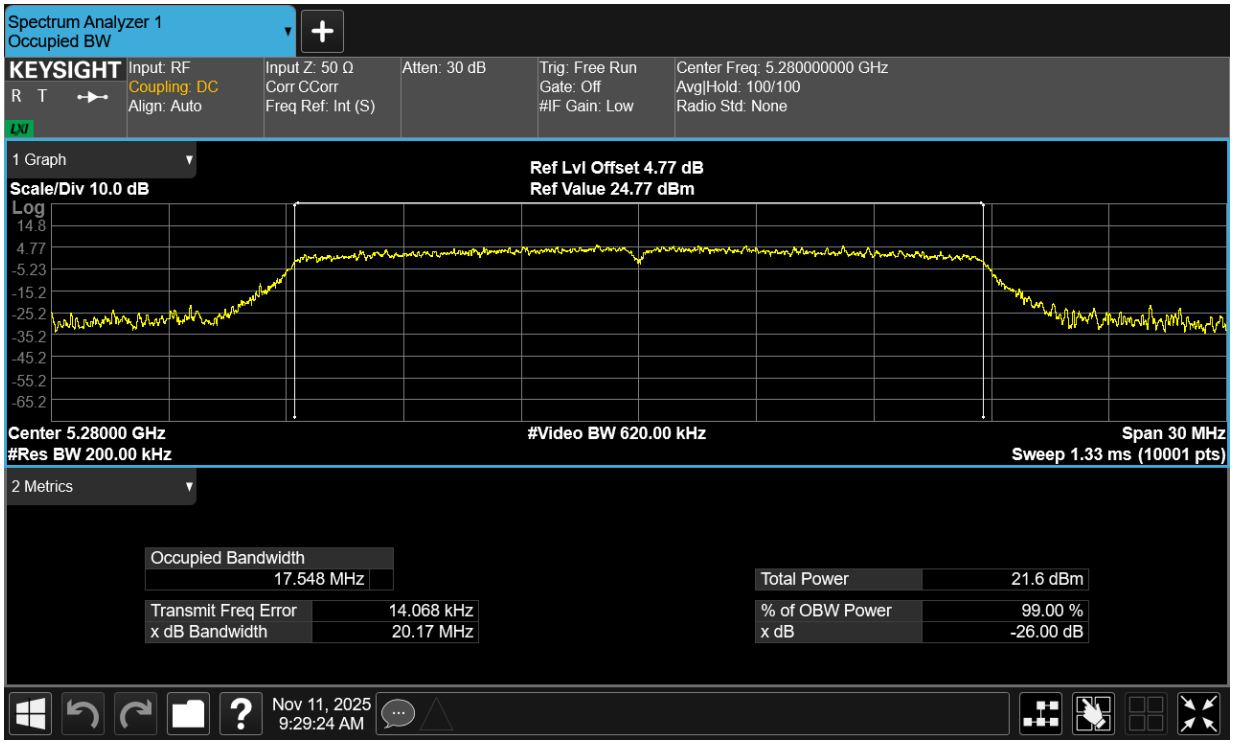
OBW NVNT a 5320MHz Ant1



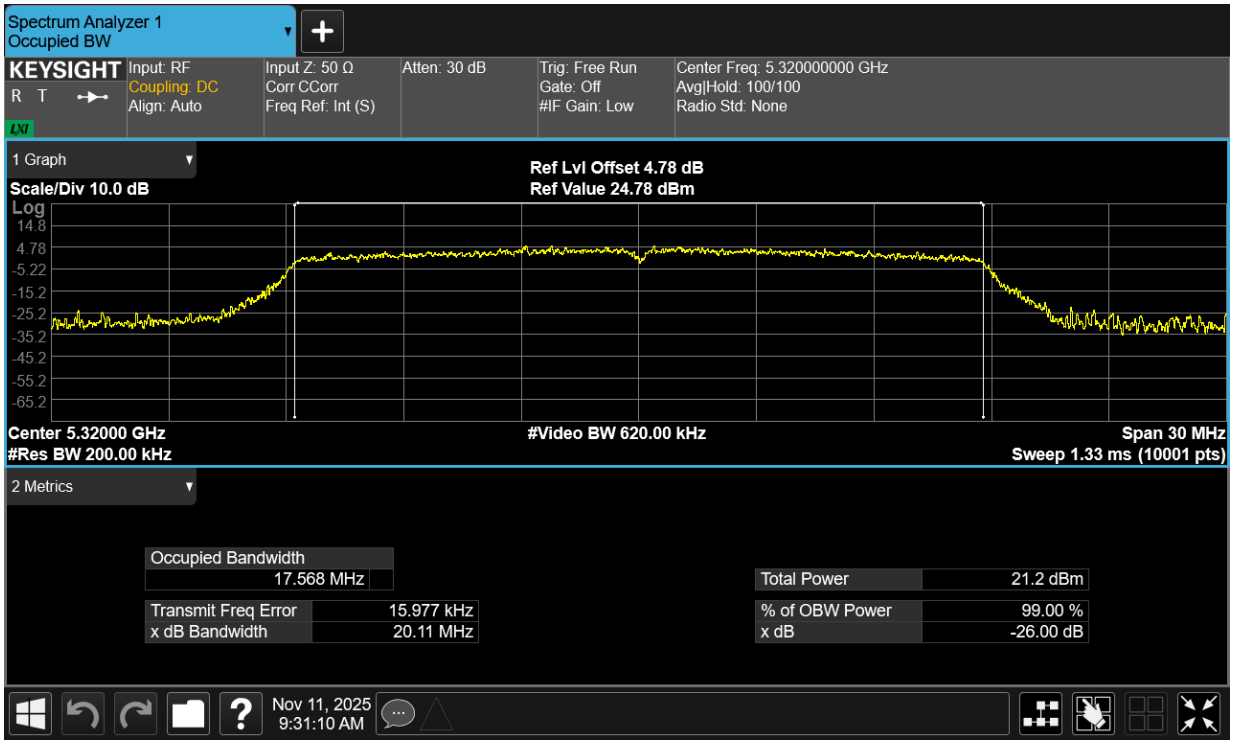
OBW NVNT ac20 5260MHz Ant1



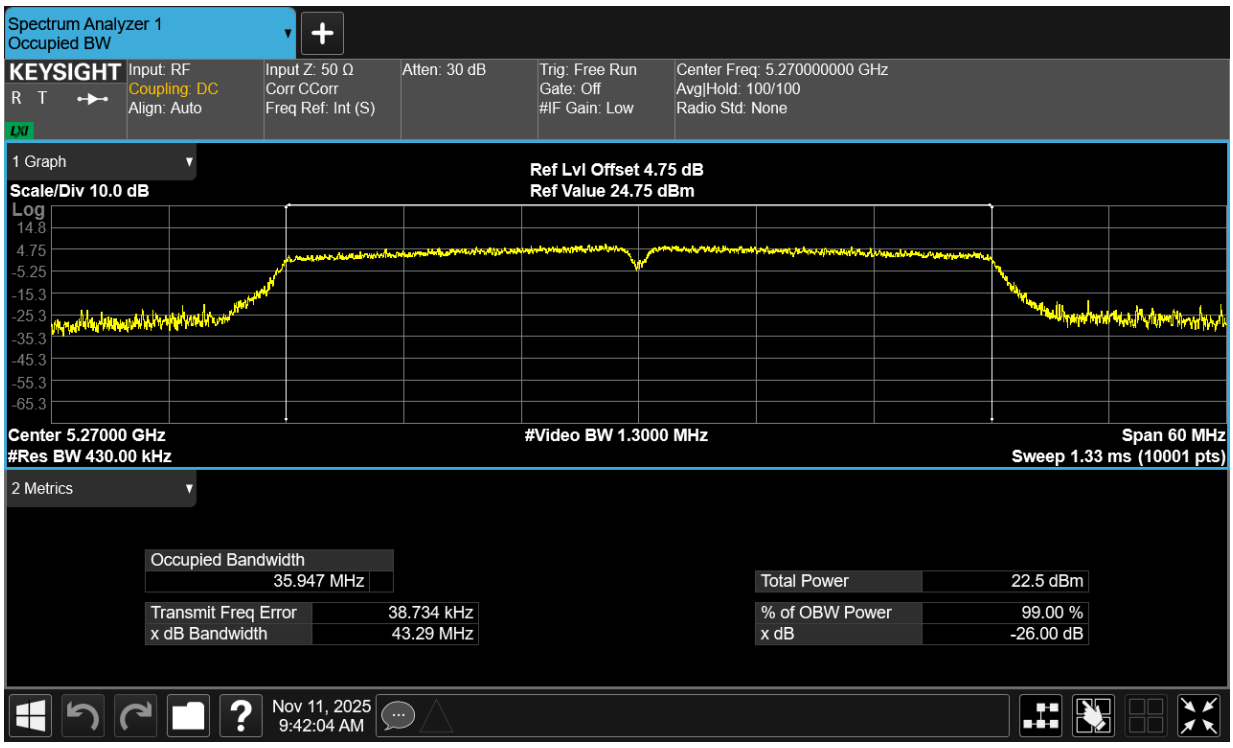
OBW NVNT ac20 5280MHz Ant1



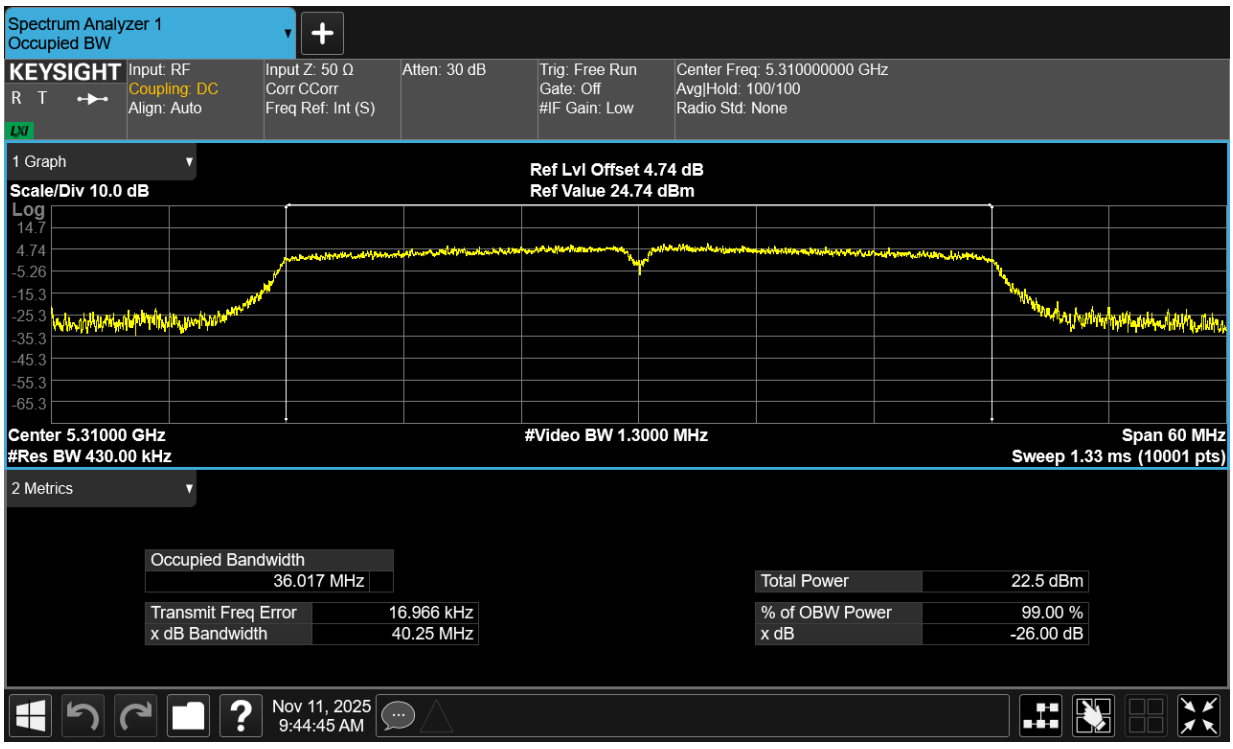
OBW NVNT ac20 5320MHz Ant1



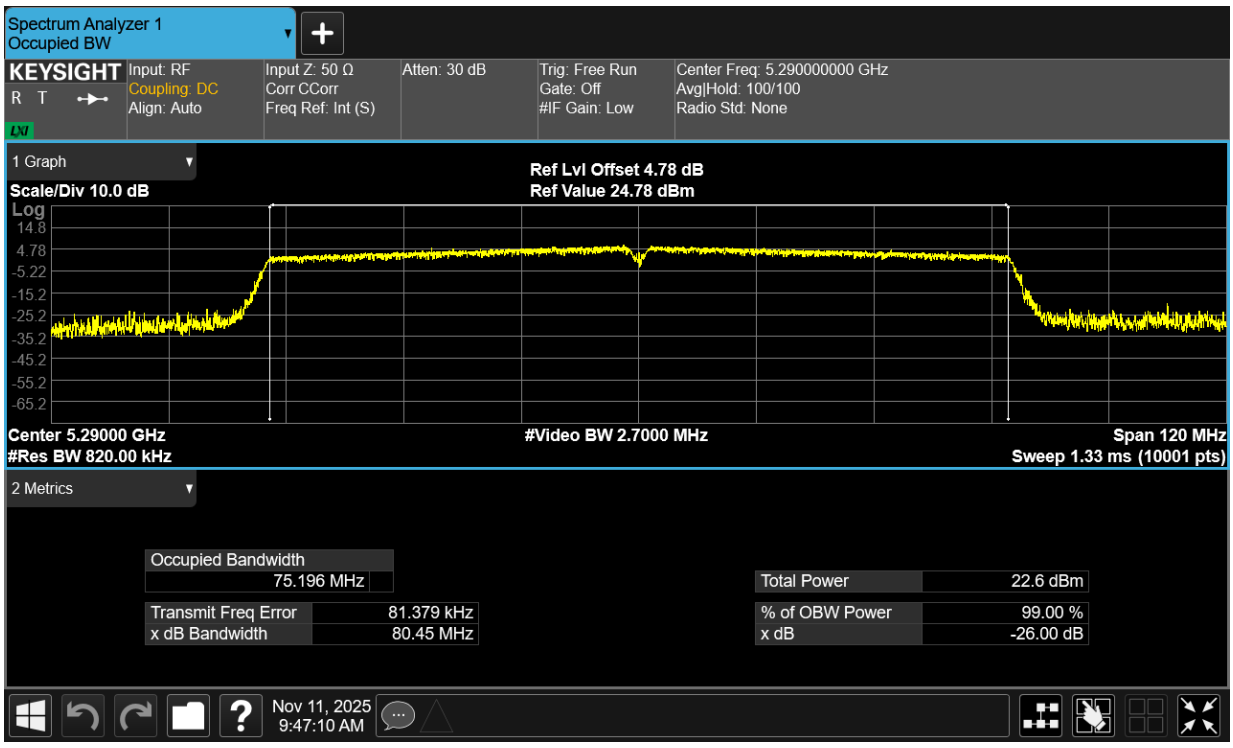
OBW NVNT ac40 5270MHz Ant1



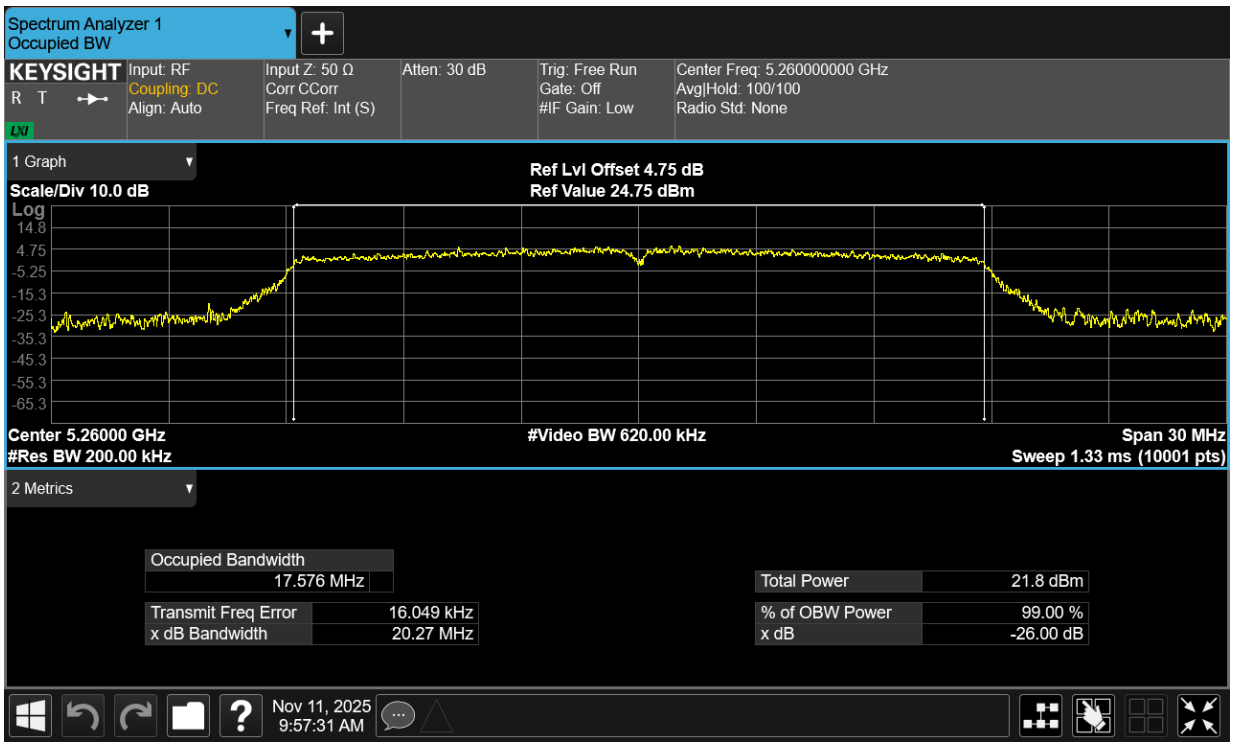
OBW NVNT ac40 5310MHz Ant1



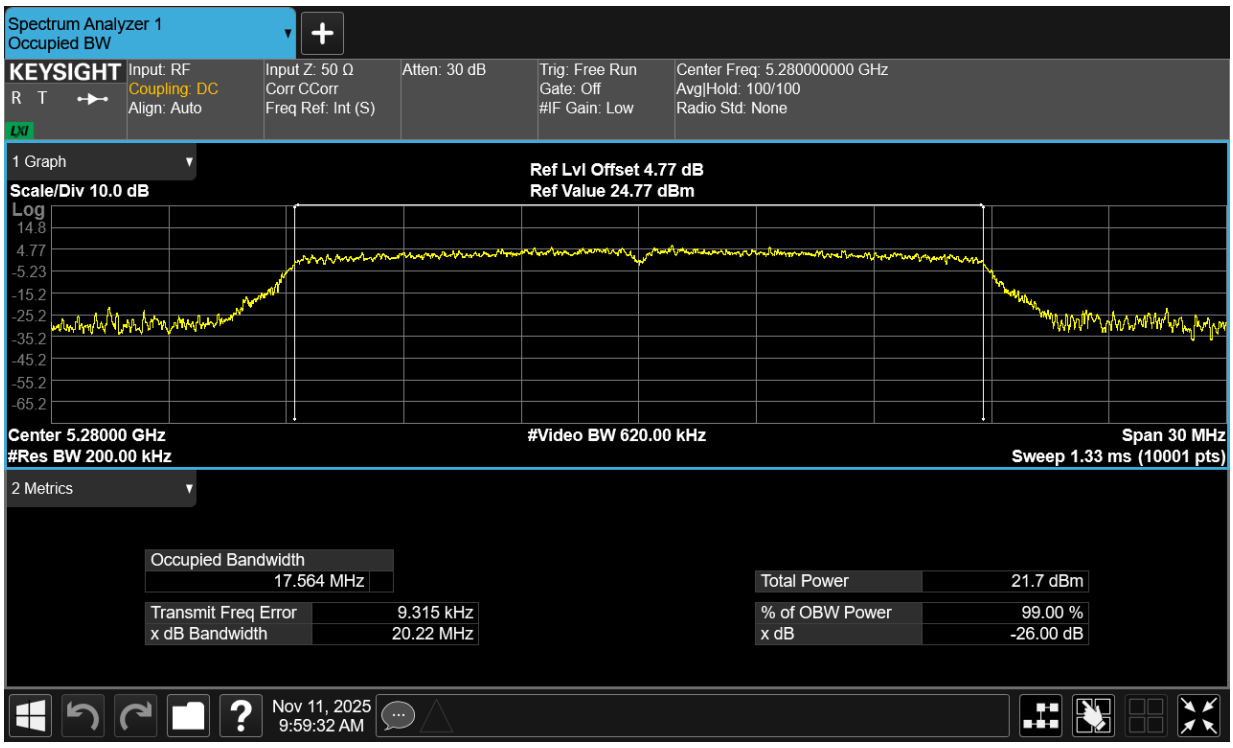
OBW NVNT ac80 5290MHz Ant1



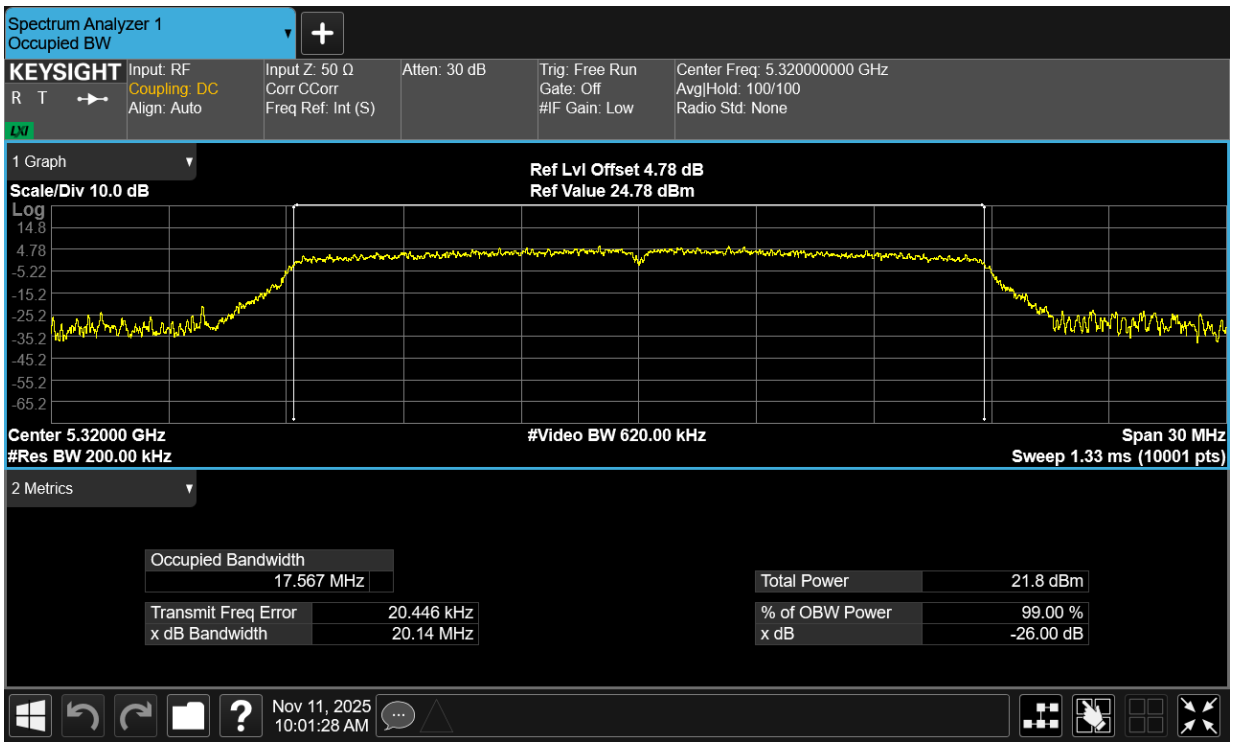
OBW NVNT n20 5260MHz Ant1



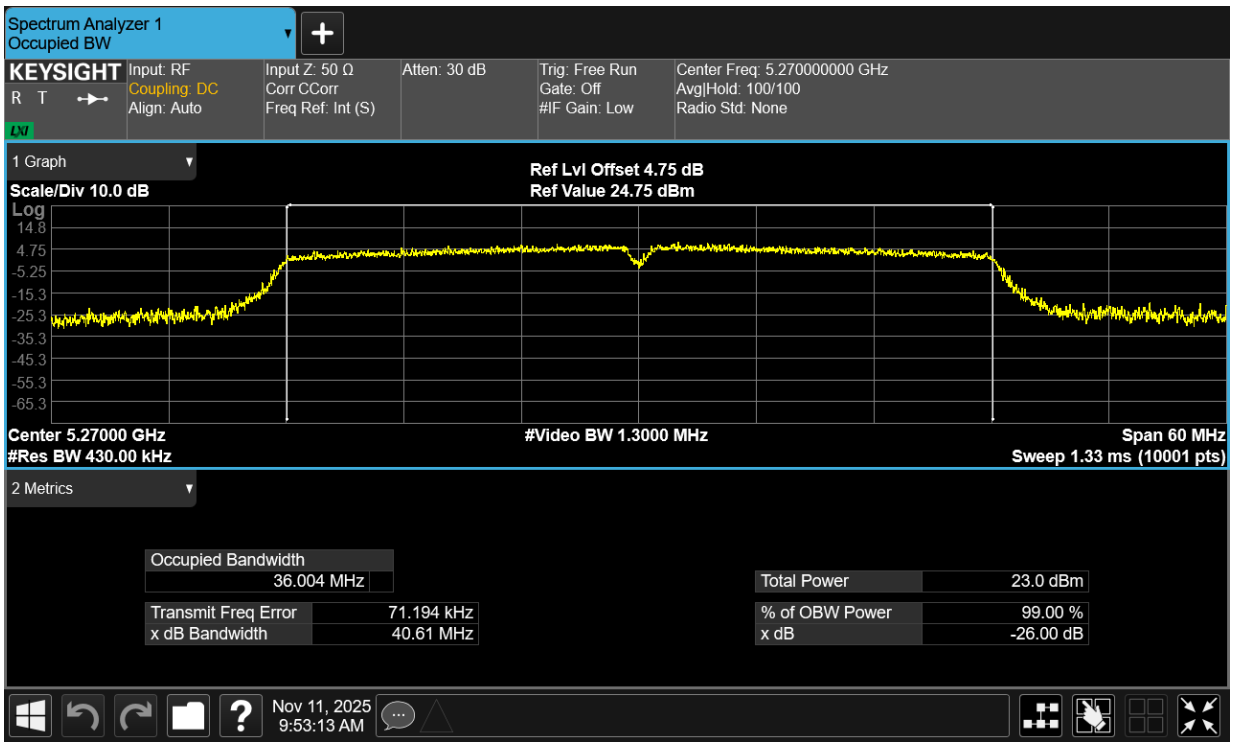
OBW NVNT n20 5280MHz Ant1



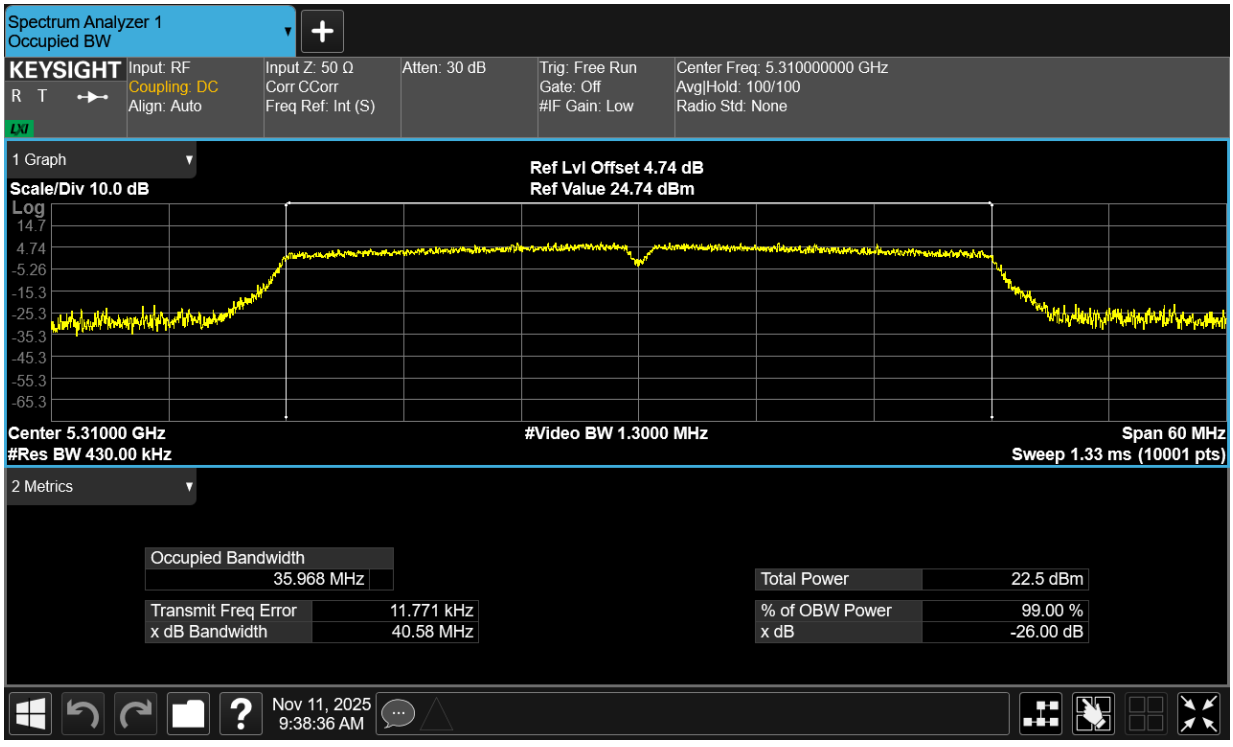
OBW NVNT n20 5320MHz Ant1



OBW NVNT n40 5270MHz Ant1



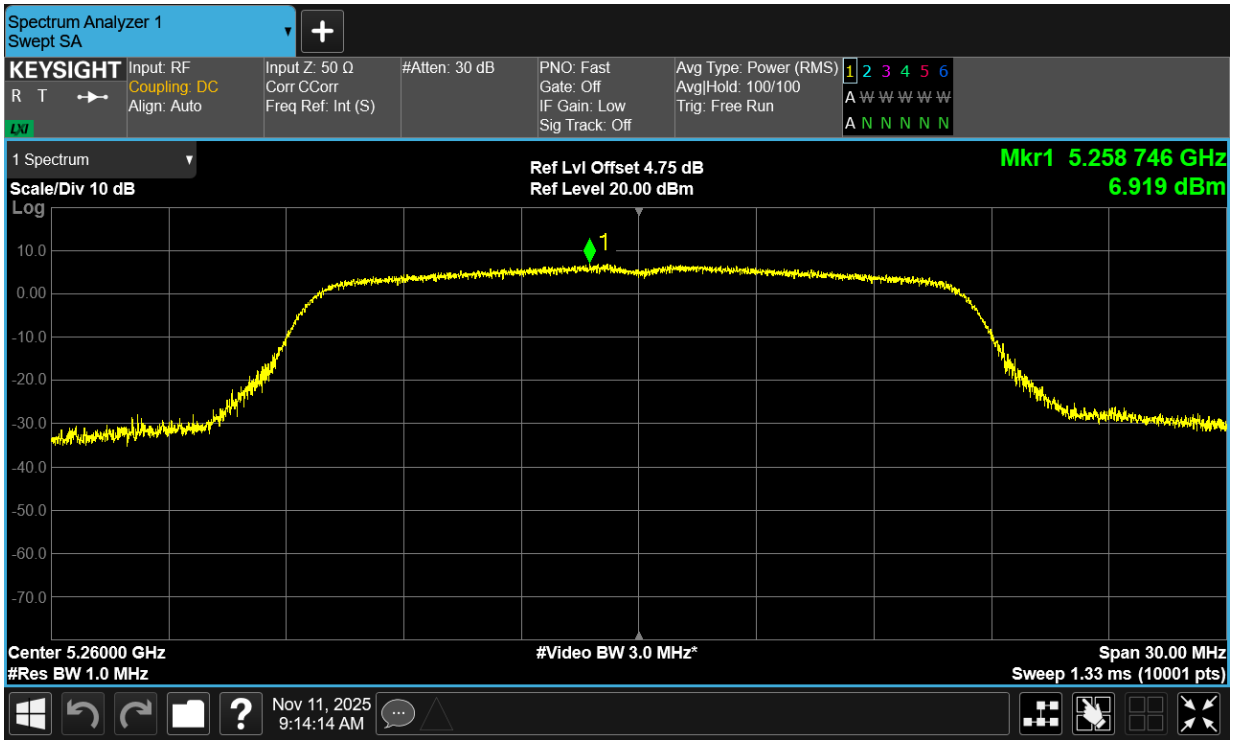
OBW NVNT n40 5310MHz Ant1



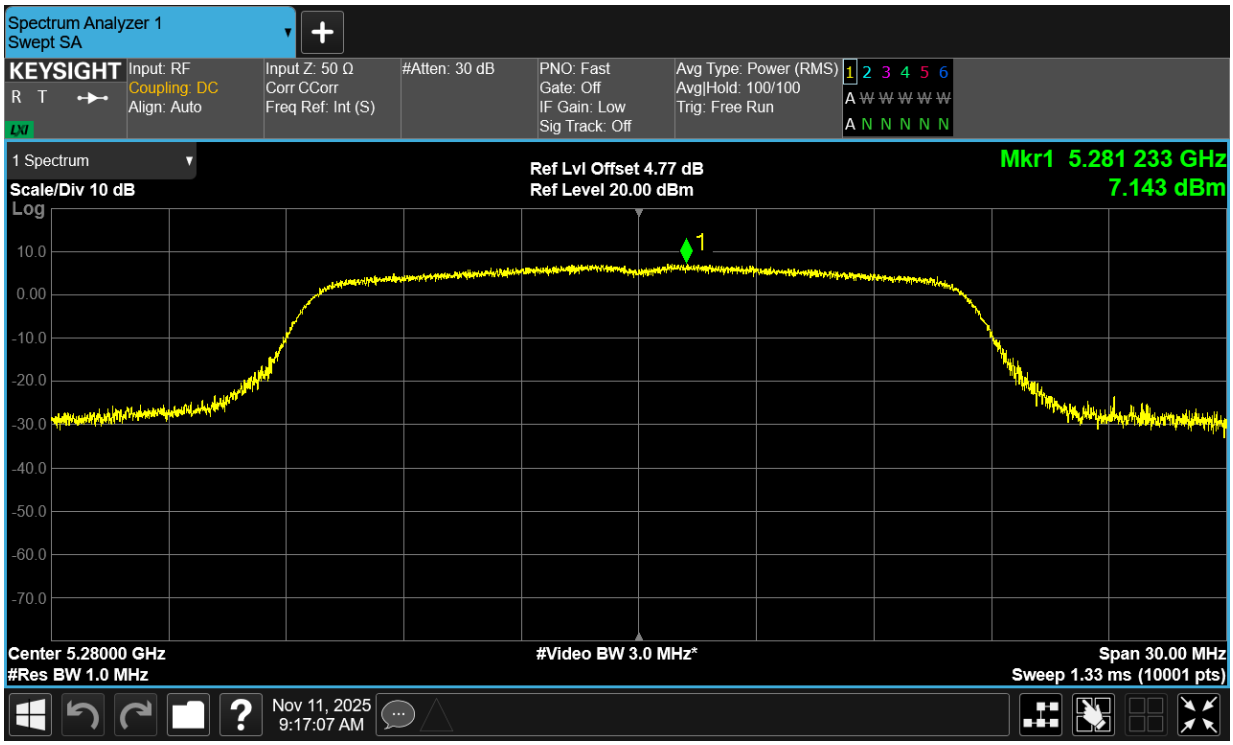
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	6.919	11	Pass
NVNT	a	5280	Ant1	7.143	11	Pass
NVNT	a	5320	Ant1	7.249	11	Pass
NVNT	ac20	5260	Ant1	6.344	11	Pass
NVNT	ac20	5280	Ant1	6.217	11	Pass
NVNT	ac20	5320	Ant1	5.869	11	Pass
NVNT	ac40	5270	Ant1	4.388	11	Pass
NVNT	ac40	5310	Ant1	4.282	11	Pass
NVNT	ac80	5290	Ant1	0.251	11	Pass
NVNT	n20	5260	Ant1	6.842	11	Pass
NVNT	n20	5280	Ant1	6.287	11	Pass
NVNT	n20	5320	Ant1	6.635	11	Pass
NVNT	n40	5270	Ant1	4.567	11	Pass
NVNT	n40	5310	Ant1	4.07	11	Pass

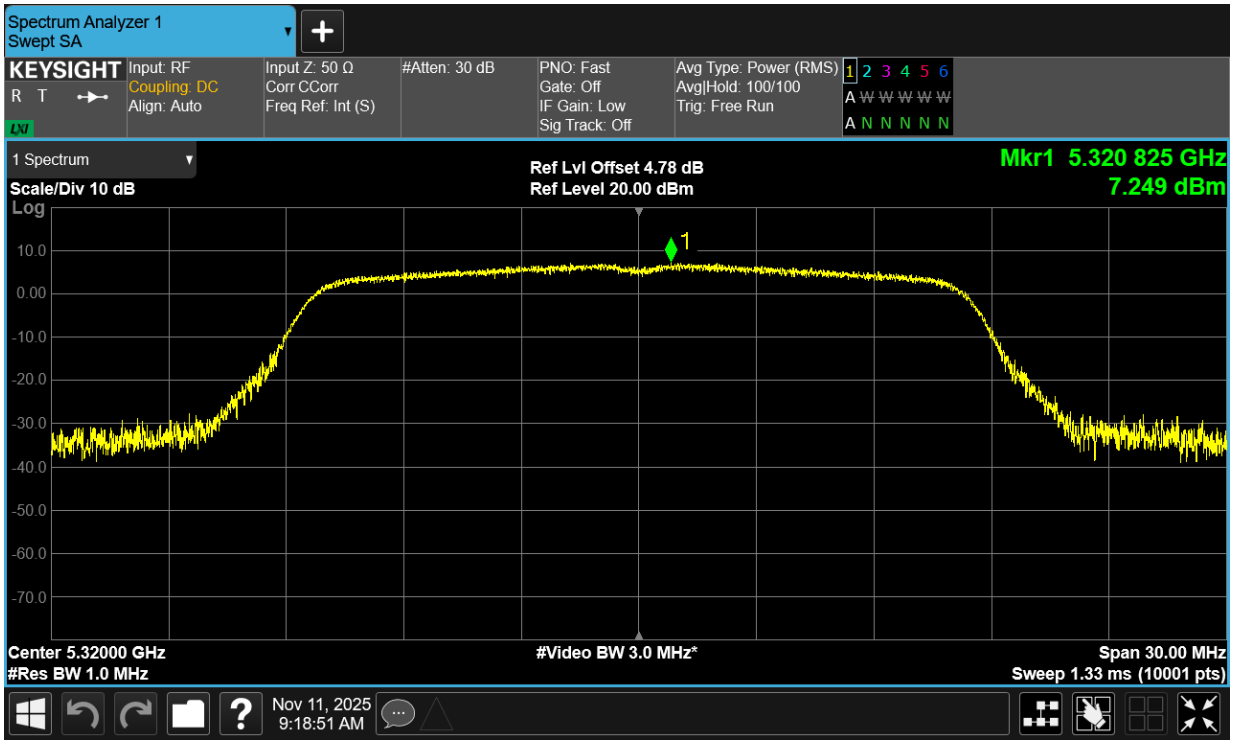
Test Graphs
PSD NVNT a 5260MHz Ant1



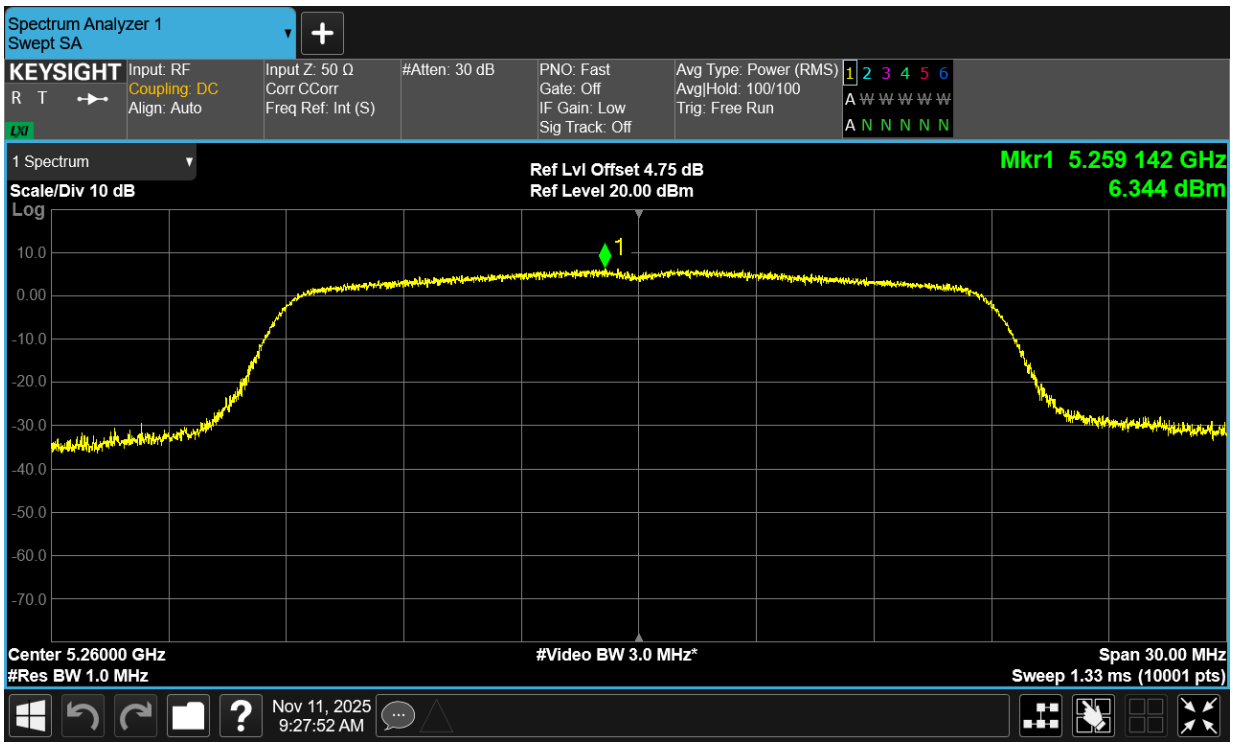
PSD NVNT a 5280MHz Ant1



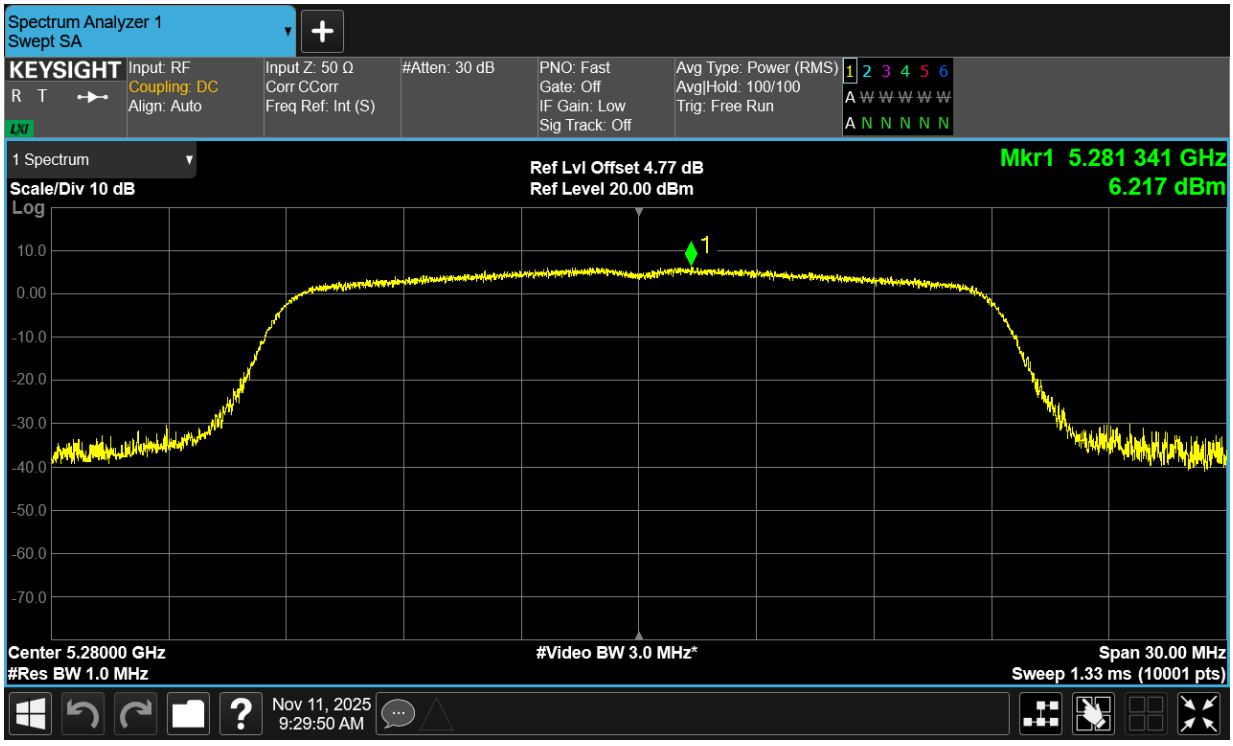
PSD NVNT a 5320MHz Ant1



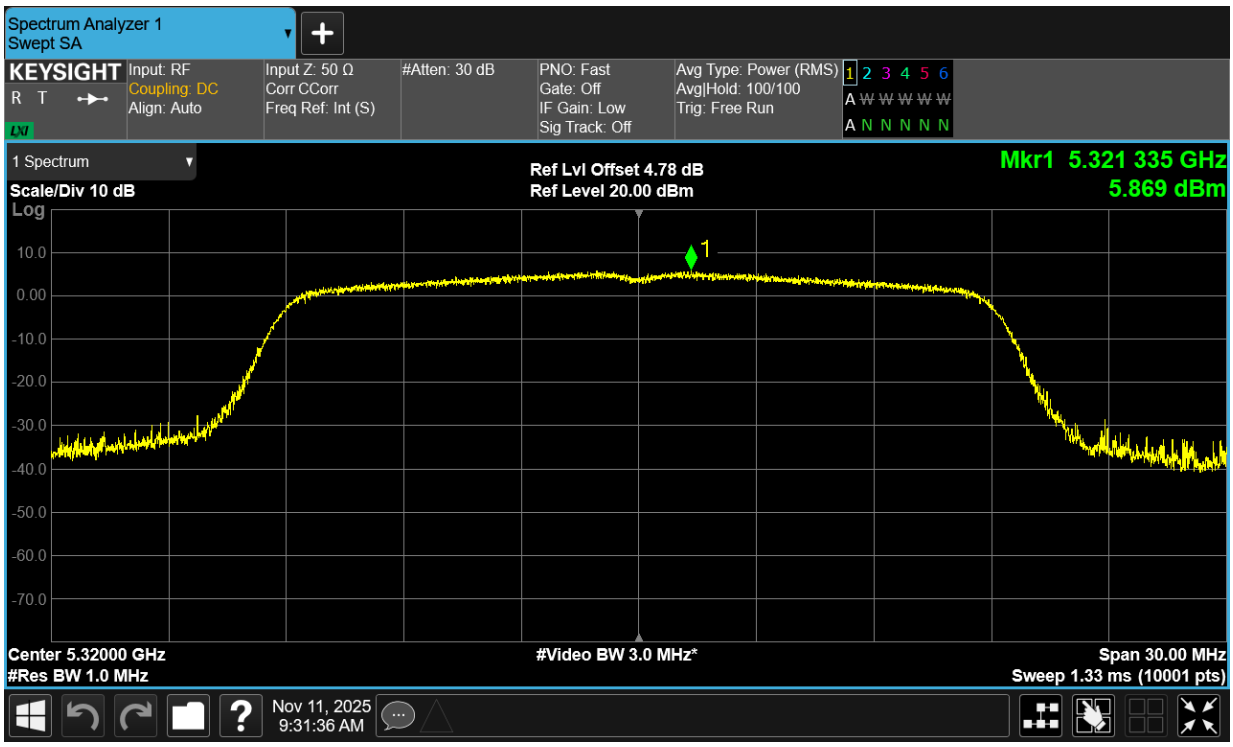
PSD NVNT ac20 5260MHz Ant1



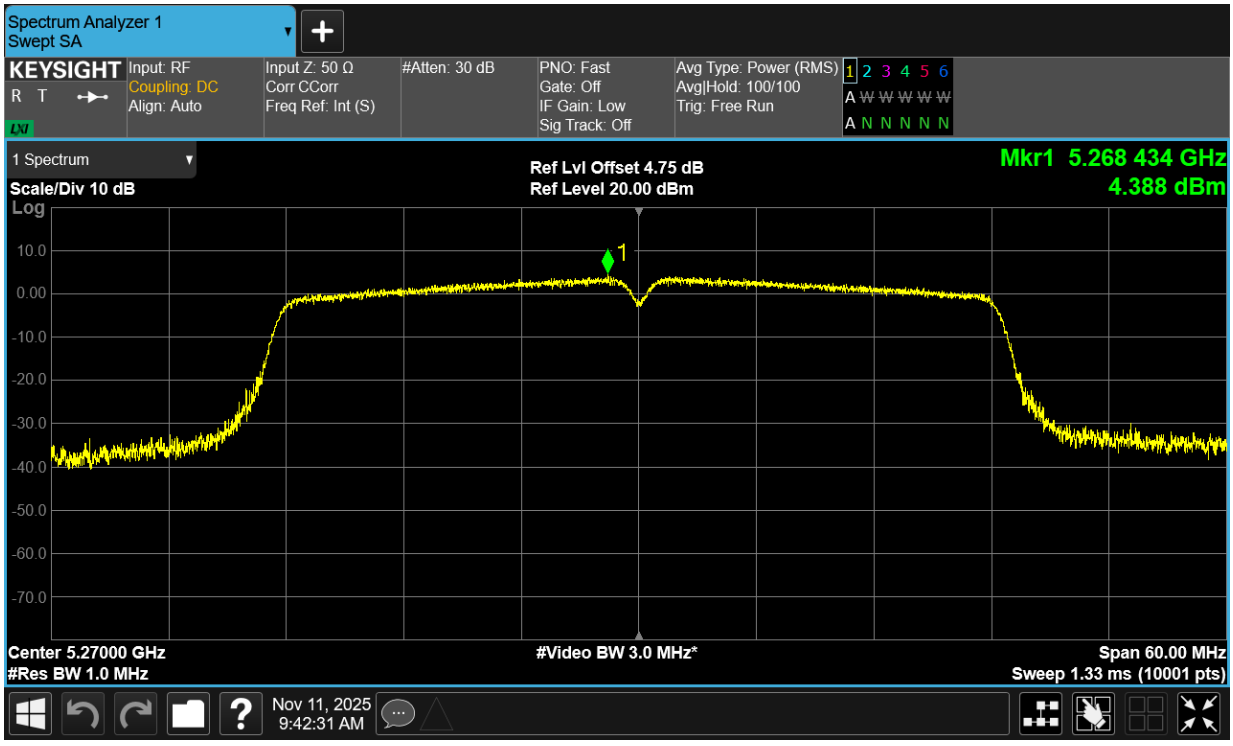
PSD NVNT ac20 5280MHz Ant1



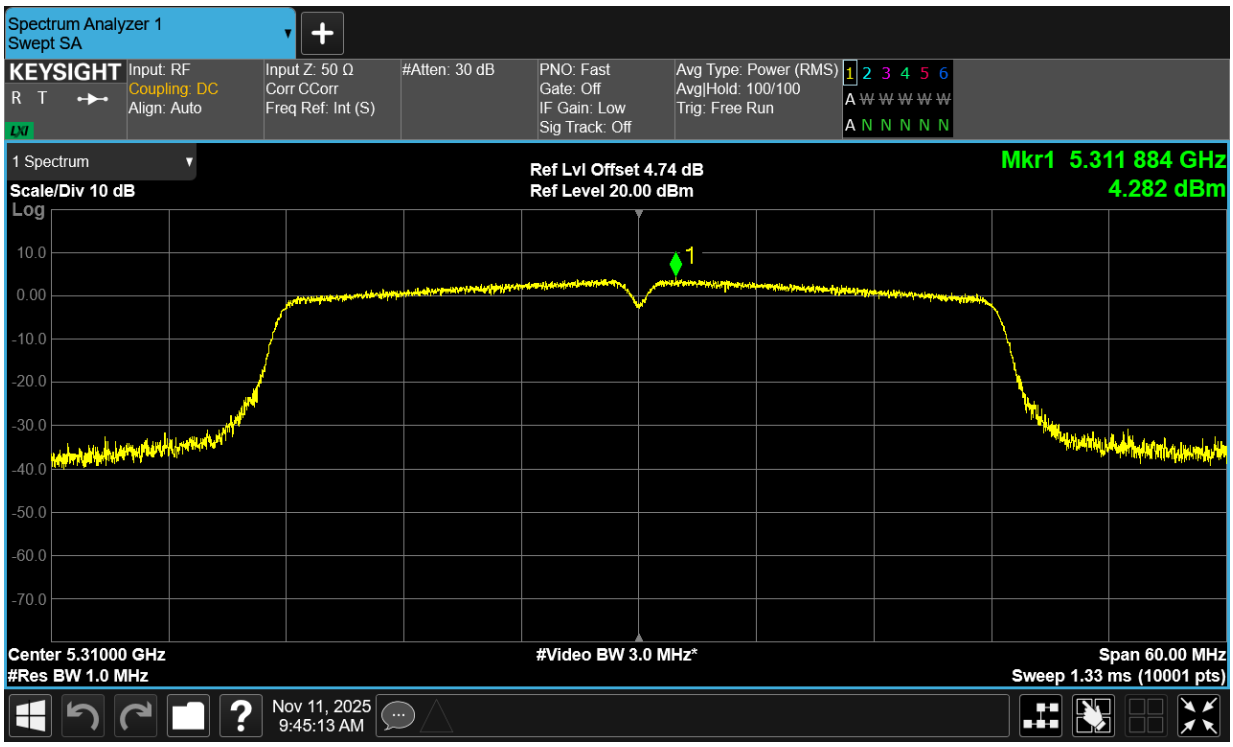
PSD NVNT ac20 5320MHz Ant1



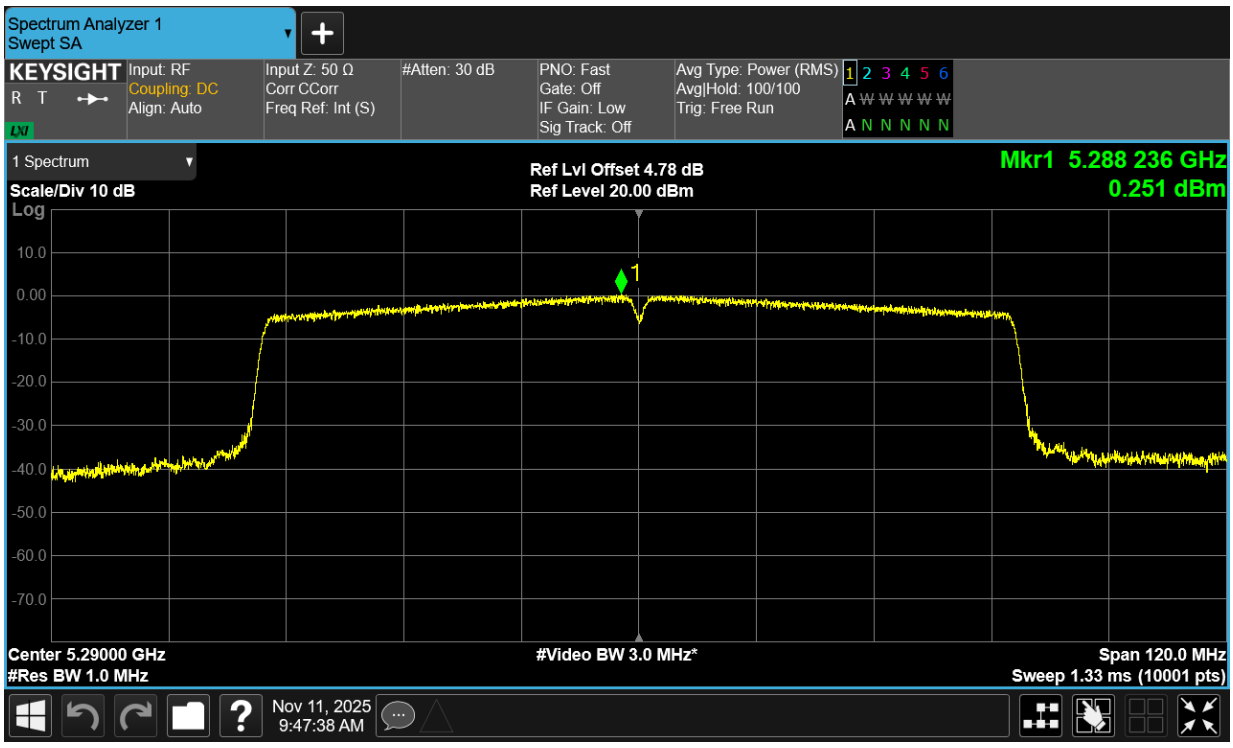
PSD NVNT ac40 5270MHz Ant1



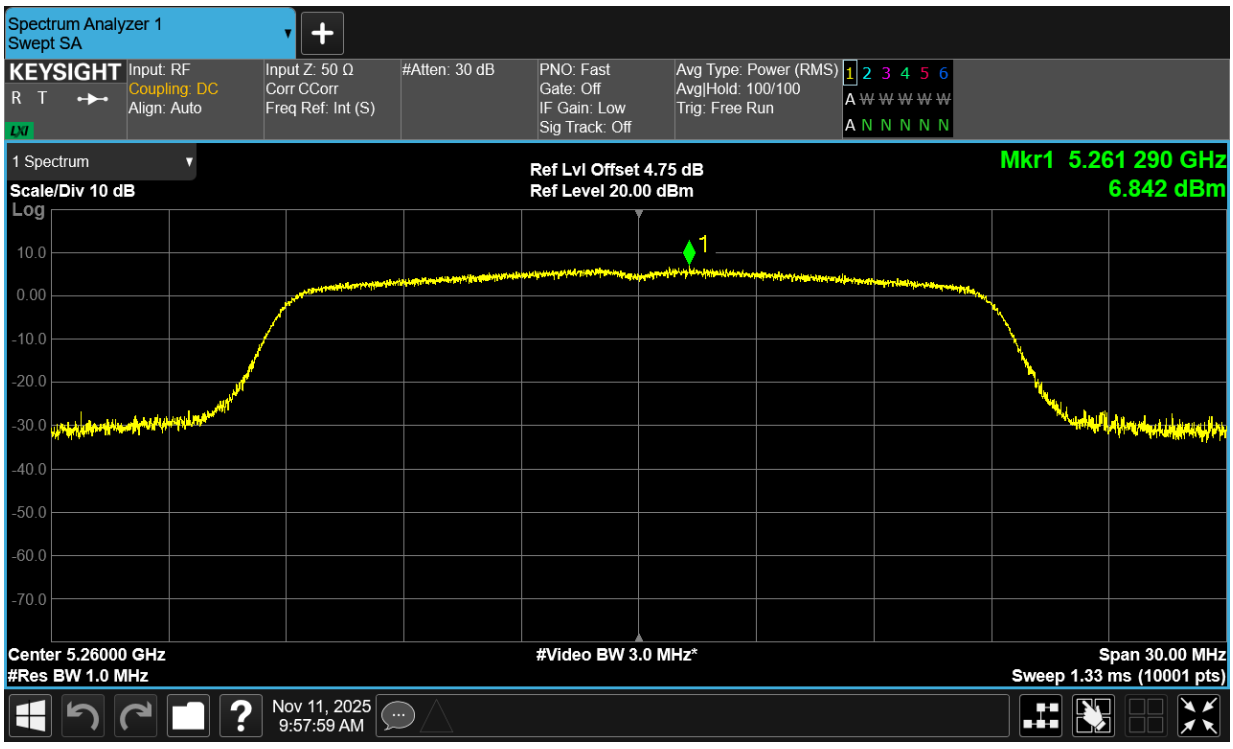
PSD NVNT ac40 5310MHz Ant1



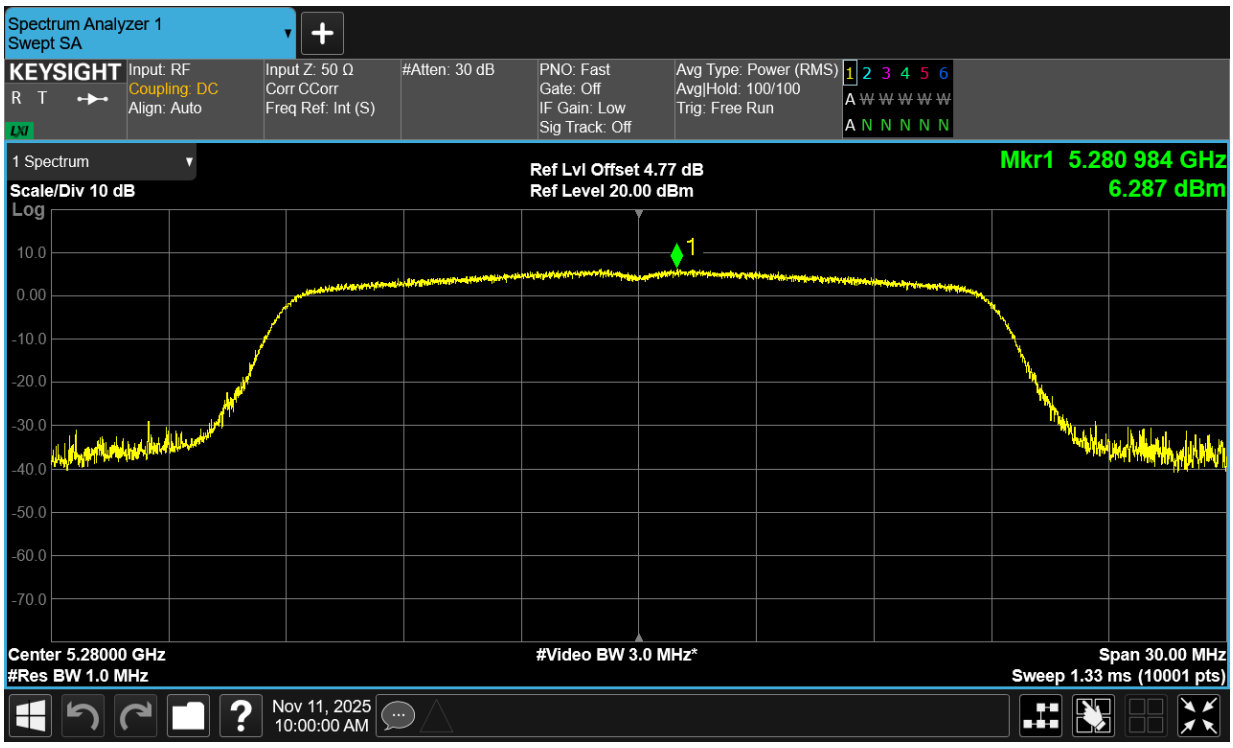
PSD NVNT ac80 5290MHz Ant1



PSD NVNT n20 5260MHz Ant1

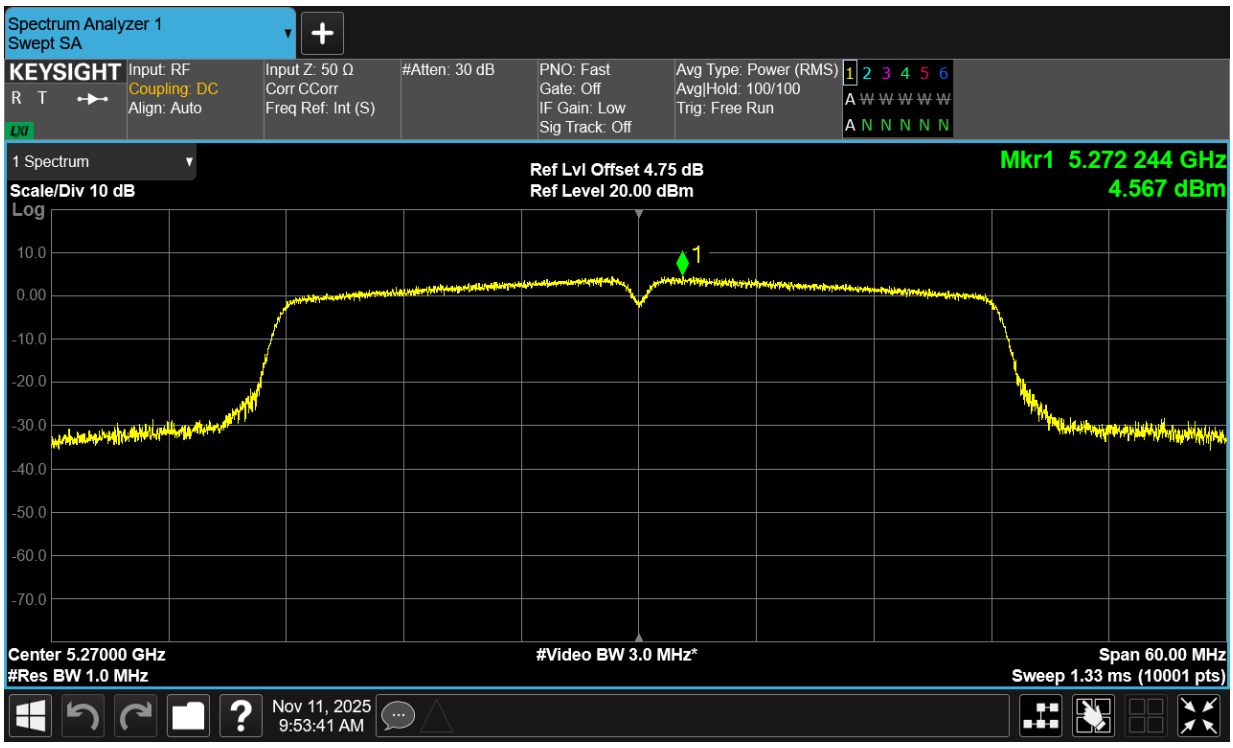


PSD NVNT n20 5280MHz Ant1



PSD NVNT n20 5320MHz Ant1

PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1