



PSD NVNT ac20 5745MHz Ant2

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr: CCorr
Freq Ref: Int (S)

#Atten: 30 dB

PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Power (RMS)
Ave/Hold: 100/100
Tag: Free Run

1 2 3 4 5 6
A W W W W W W
A N N N N N N

1 Spectrum

Scale/Div 10 dB
Log

Ref Lvl Offset 3.48 dB
Ref Level 20.00 dBm

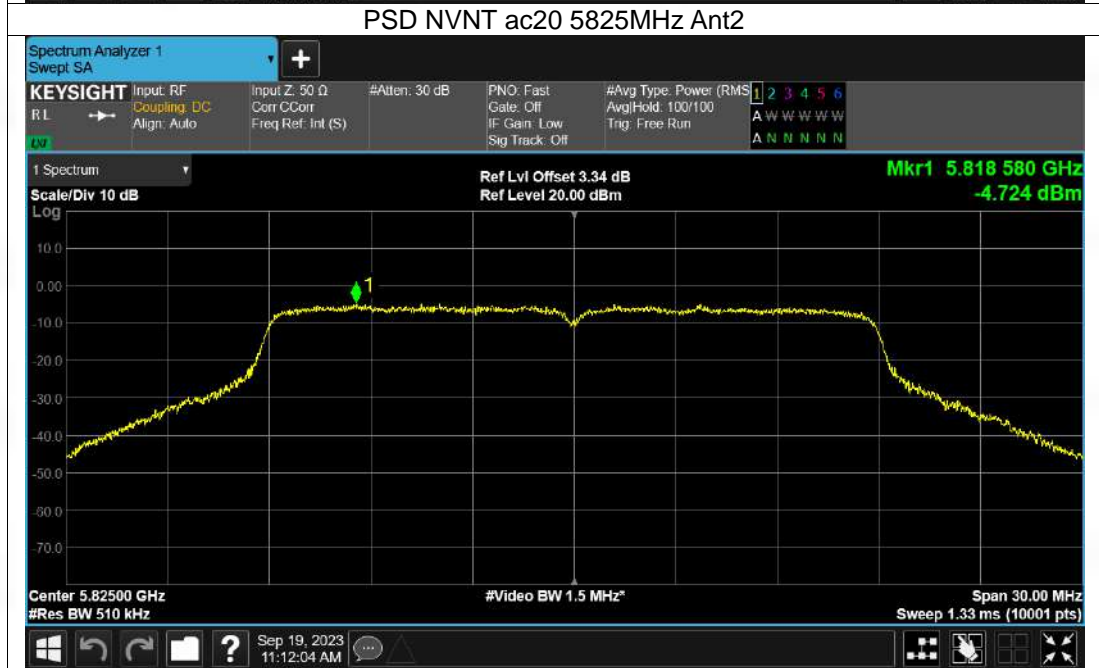
Mkr1 5.739 987 GHz
-1.773 dBm

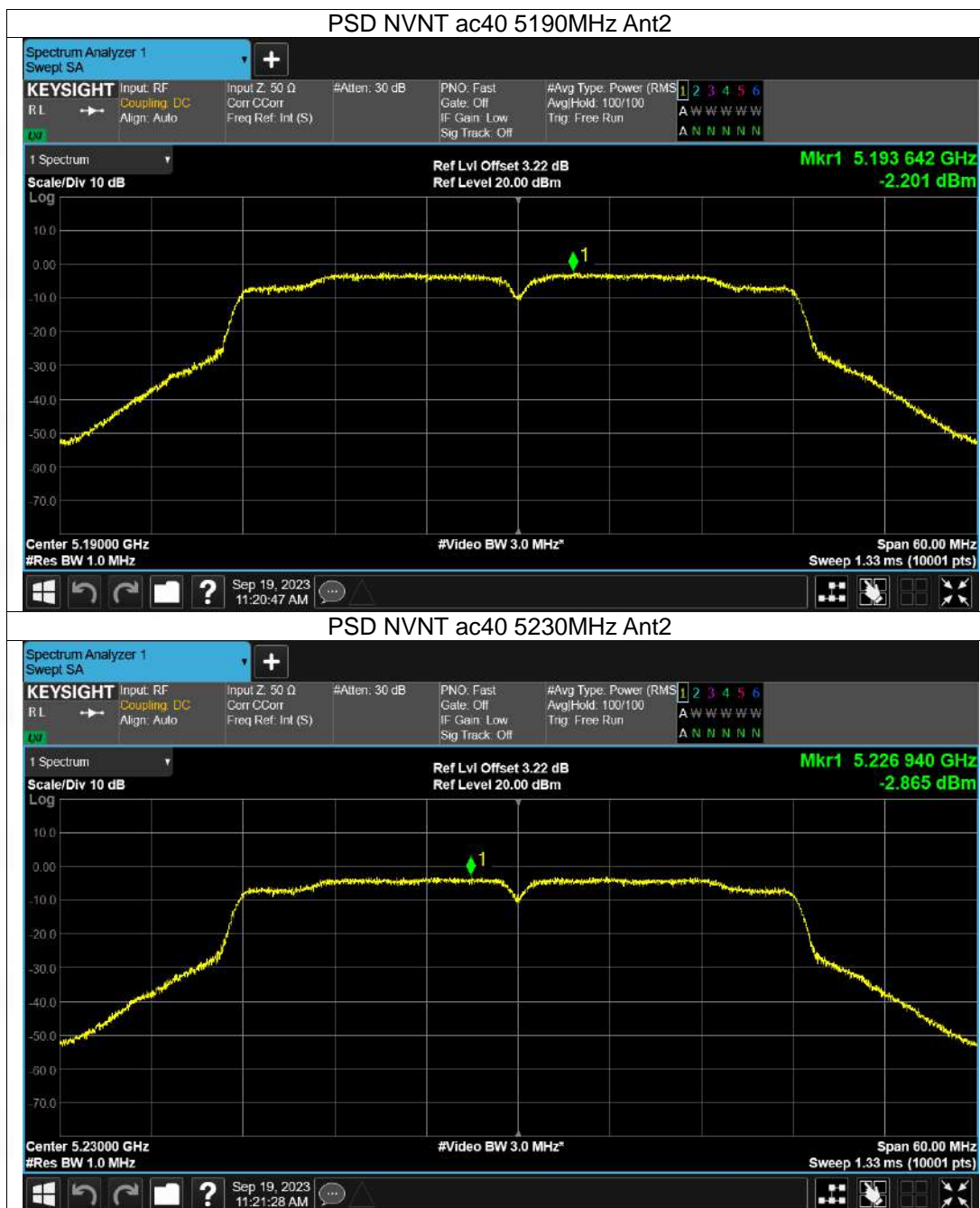
Center 5.74500 GHz
#Res BW 510 kHz

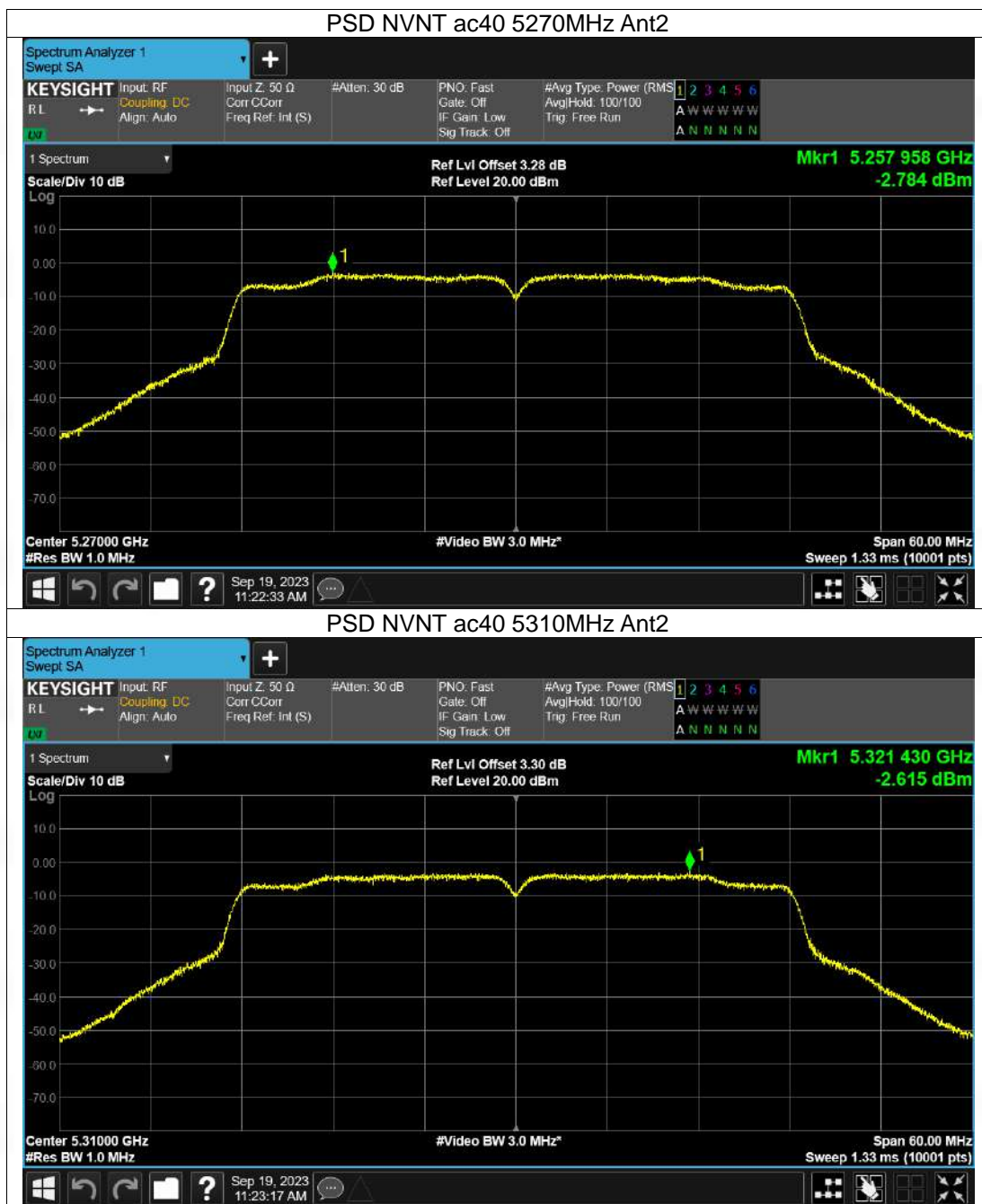
#Video BW 1.5 MHz

Span 30.00 MHz
Sweep 1.33 ms (10001 pts)

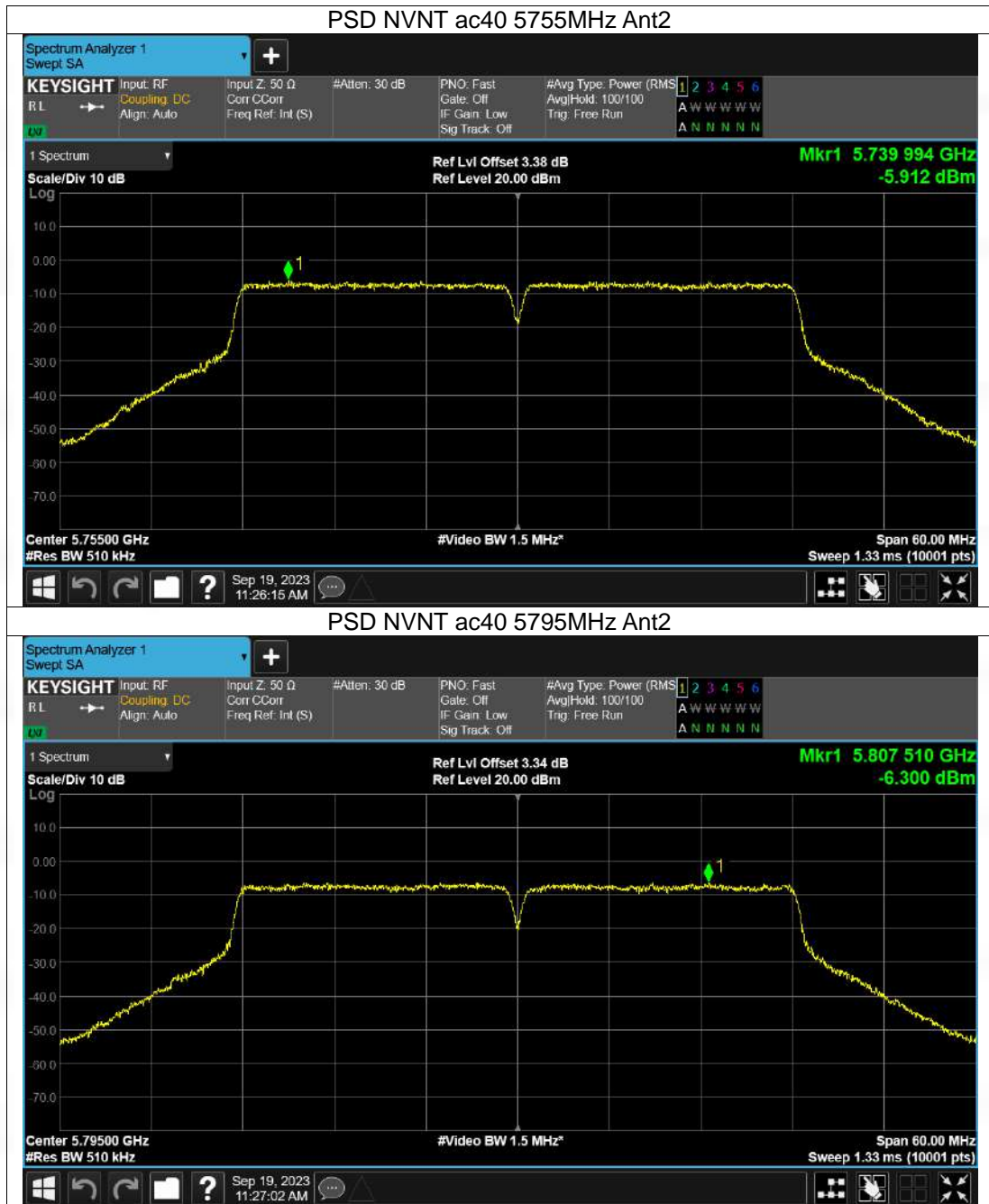
Windows icons: Start, Back, Forward, File Explorer, Help, Taskbar (Sep 19, 2023 10:52:13 AM), and various utility icons.



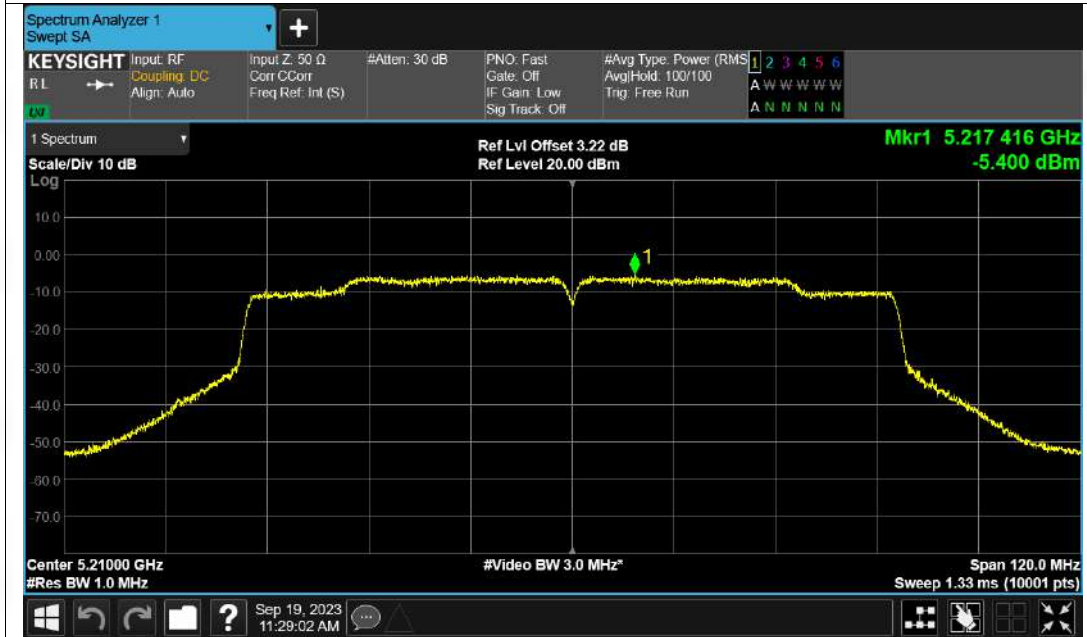






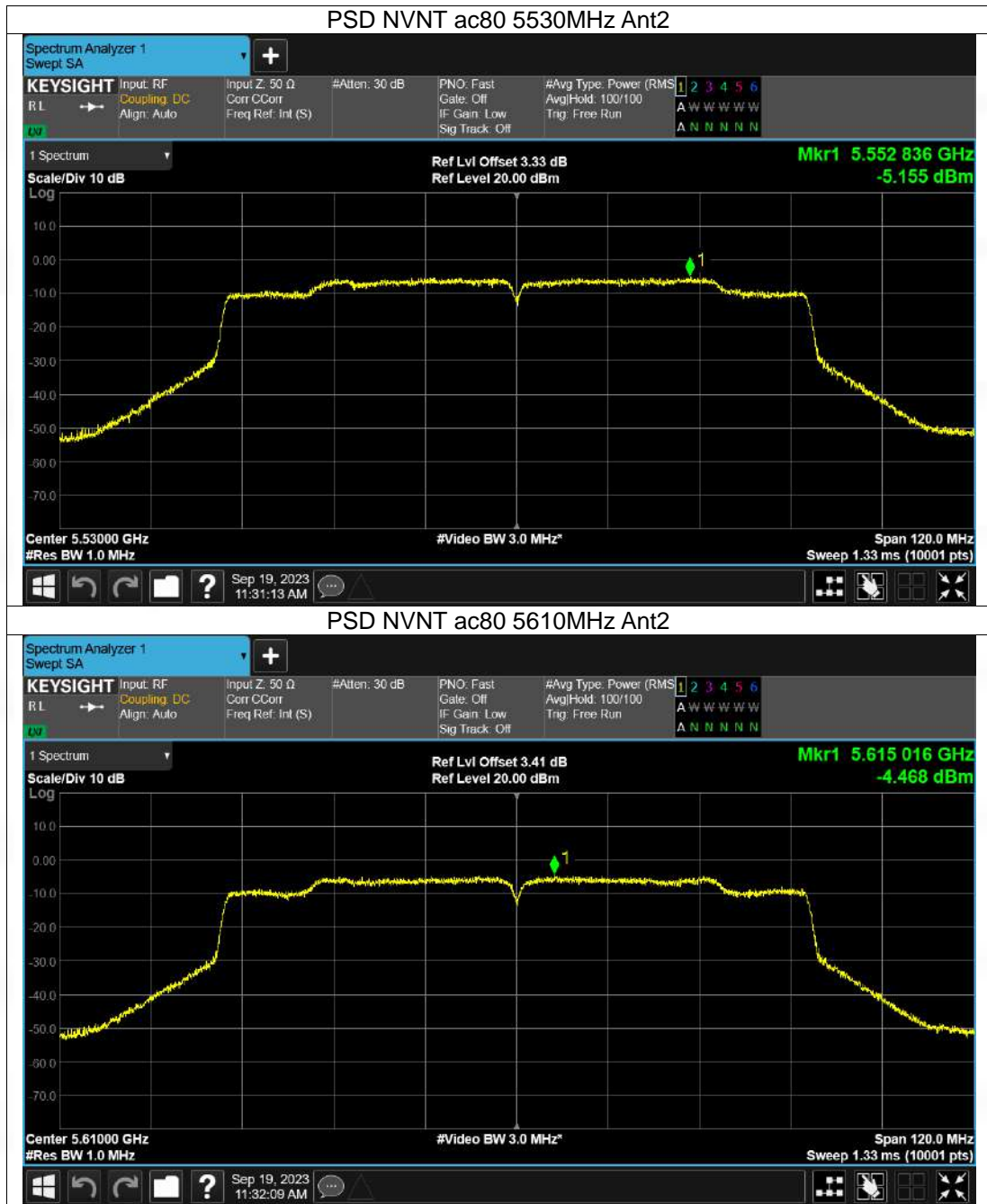


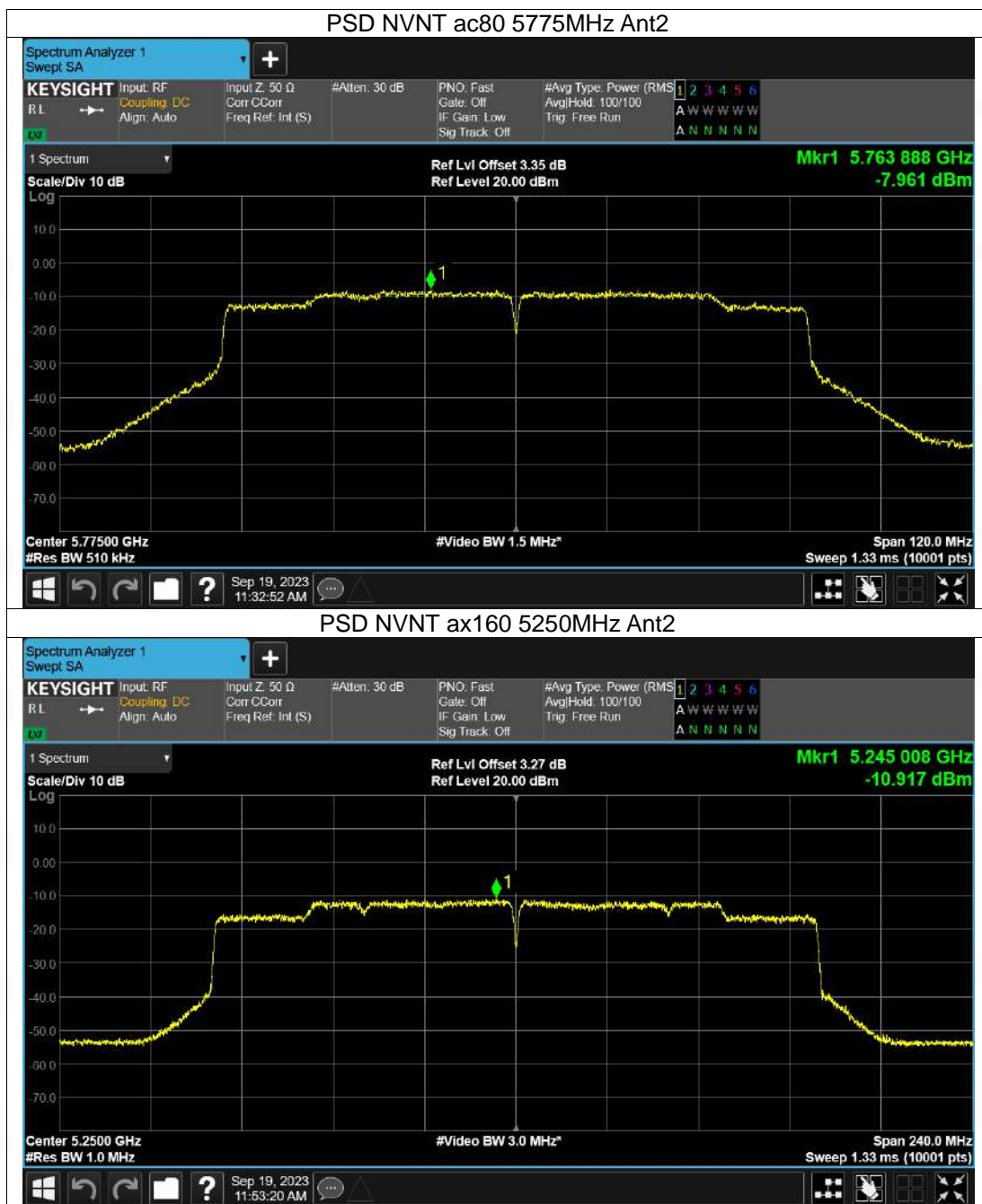
PSD NVNT ac80 5210MHz Ant2

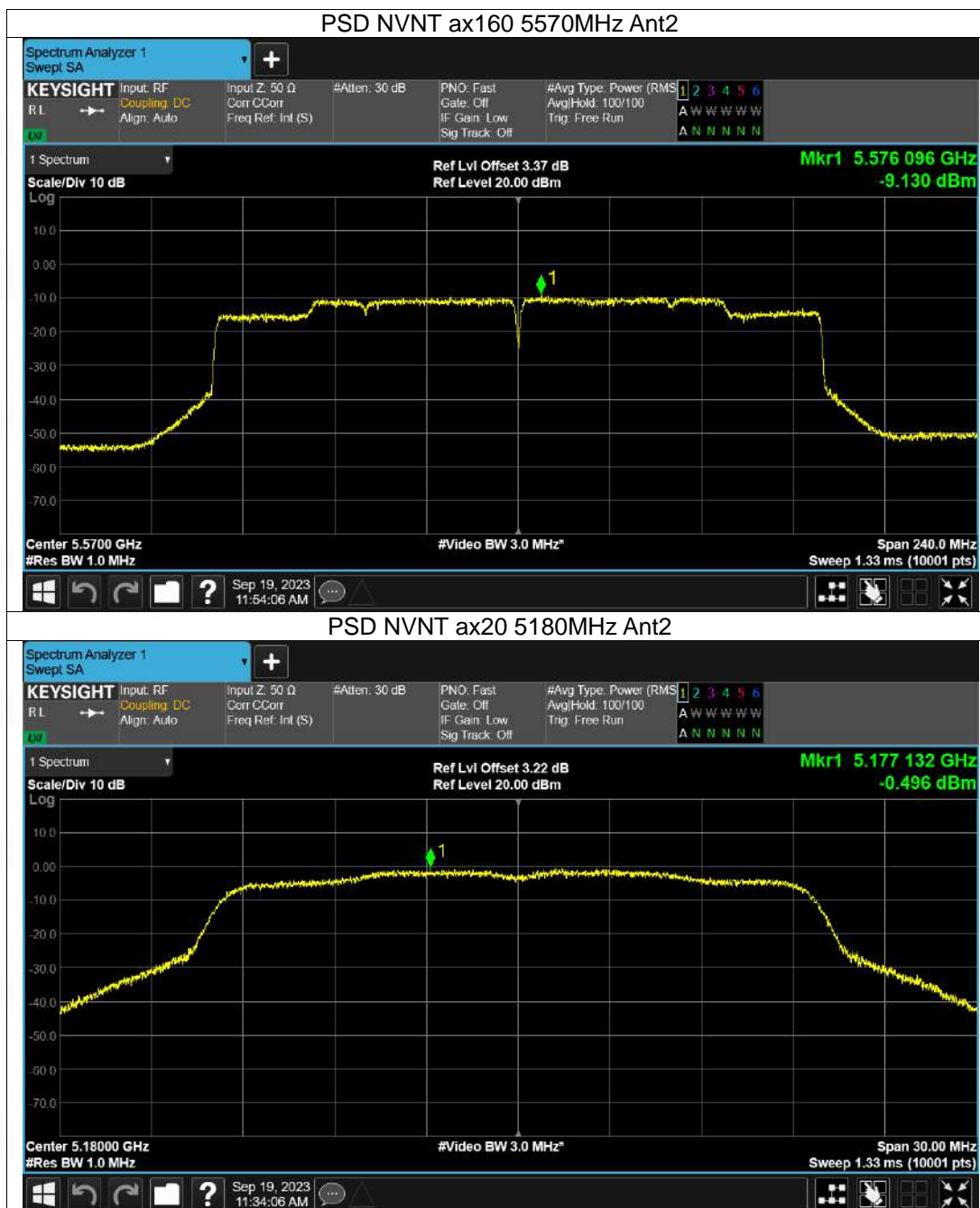


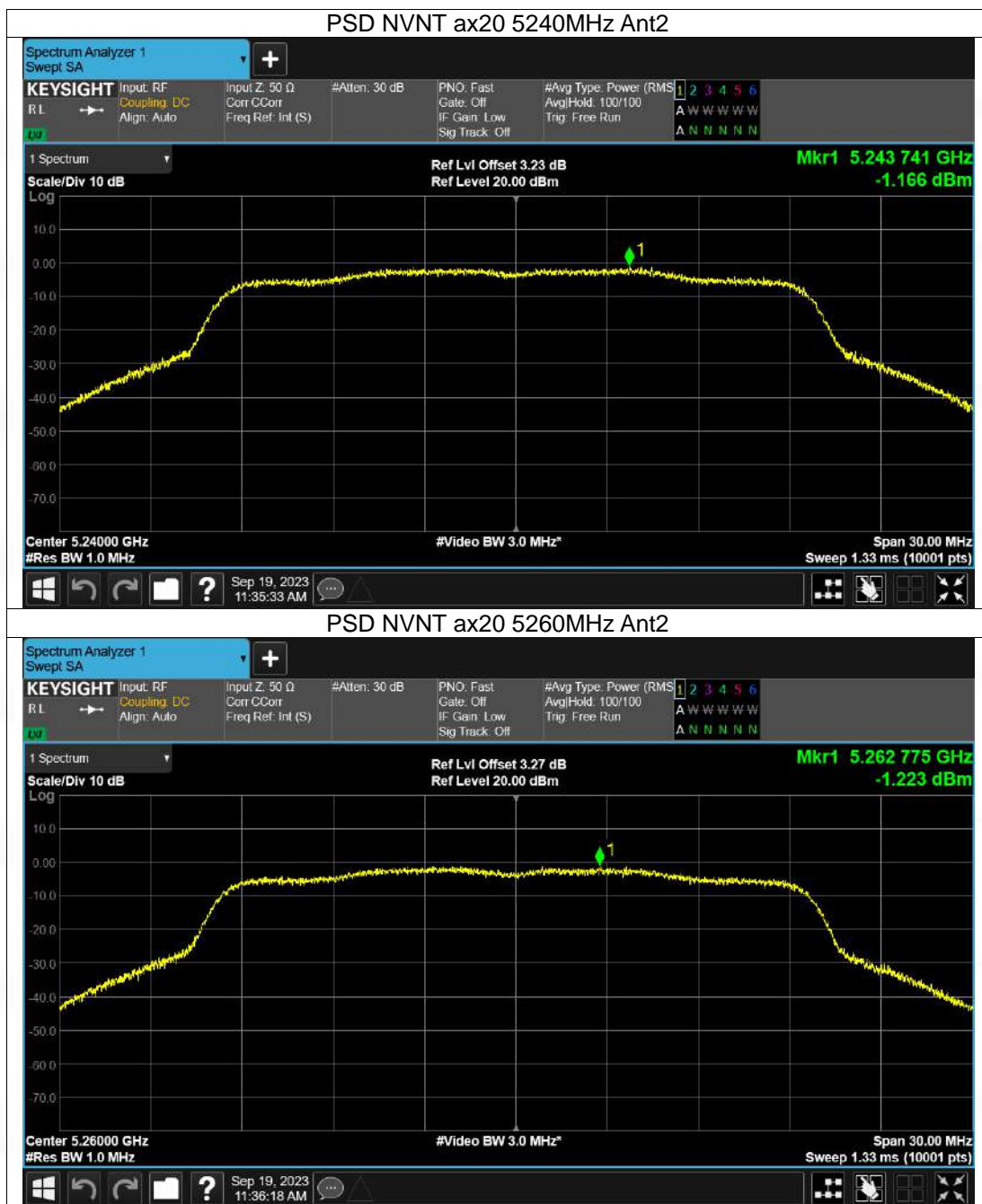
PSD NVNT ac80 5290MHz Ant2

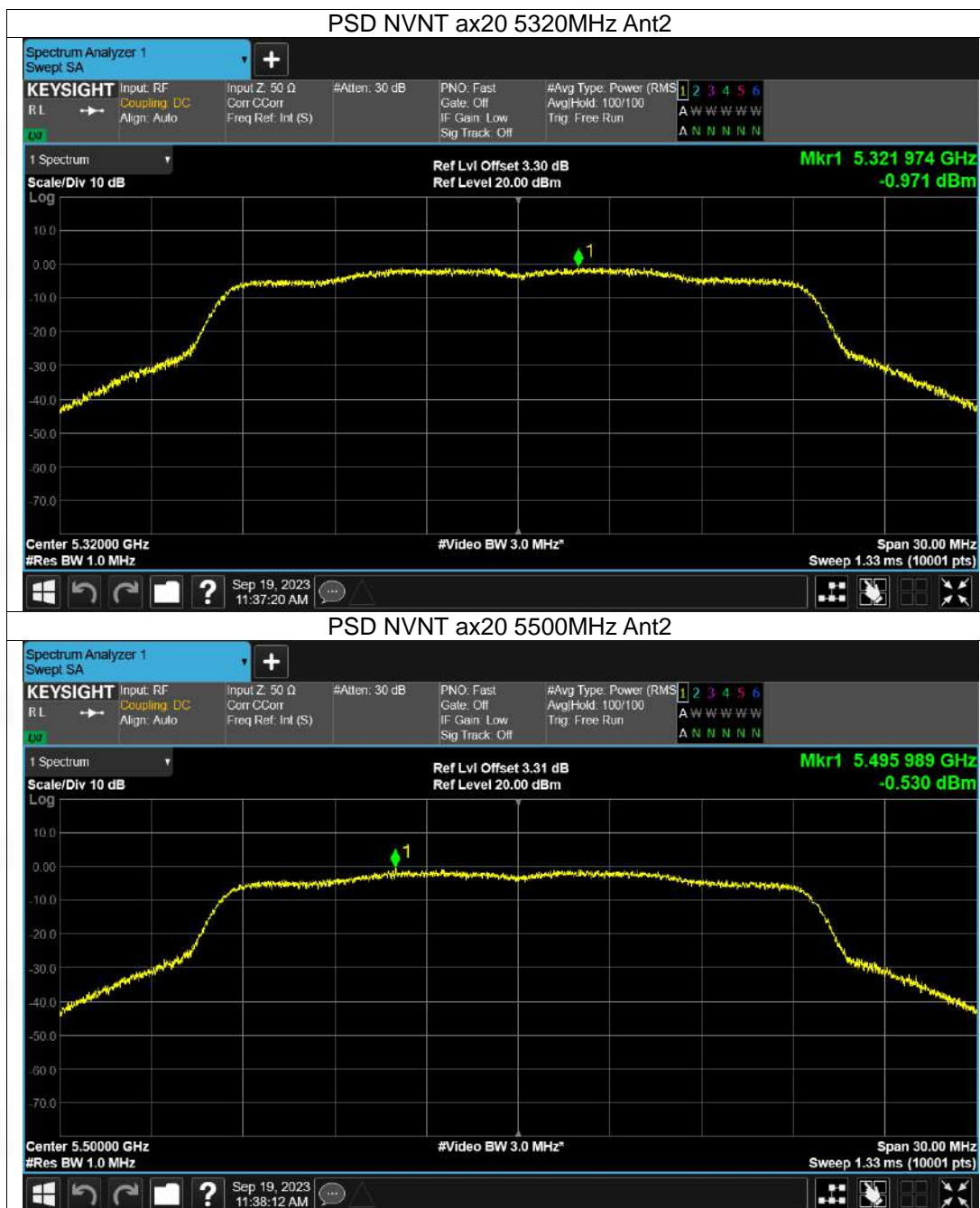


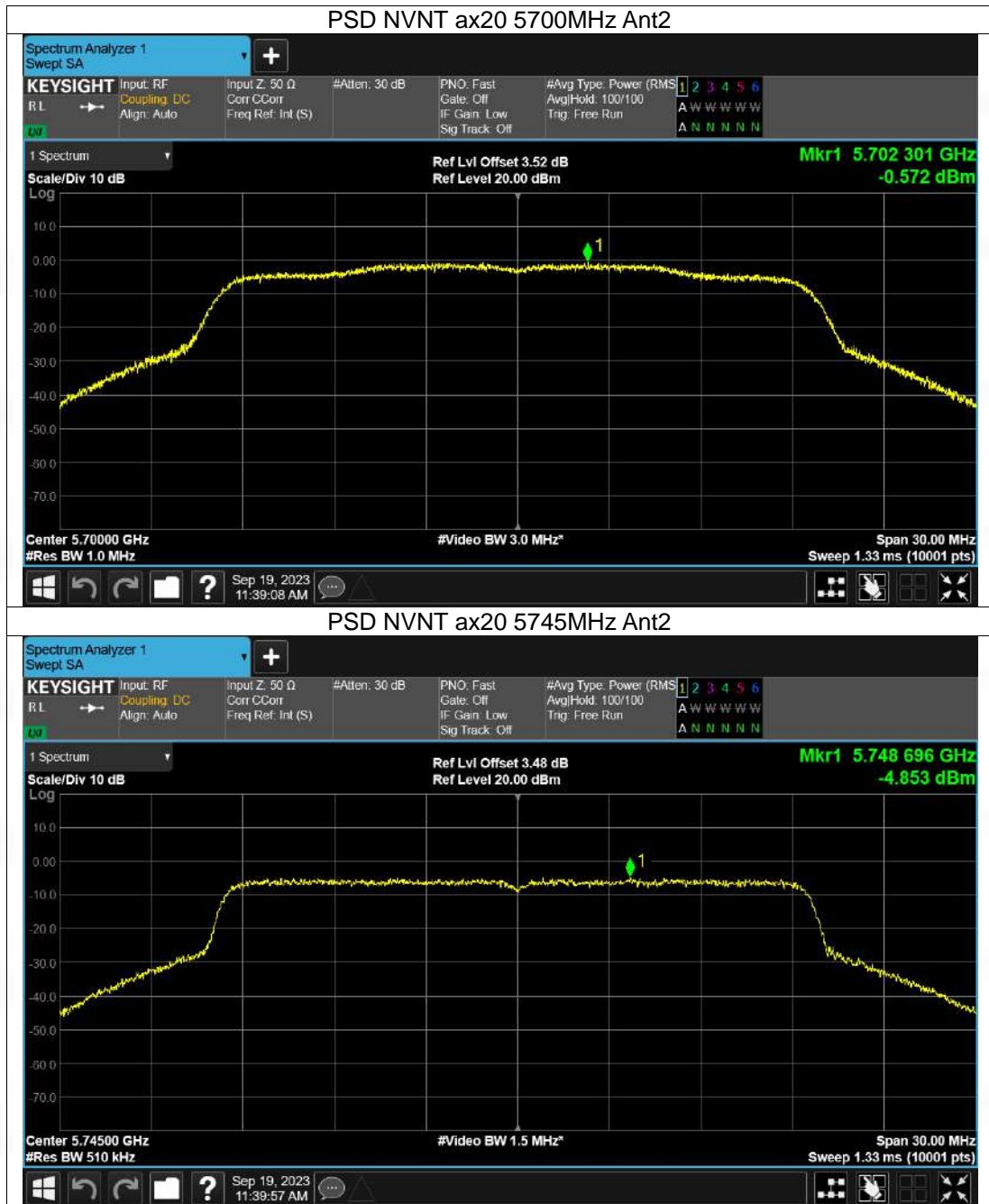


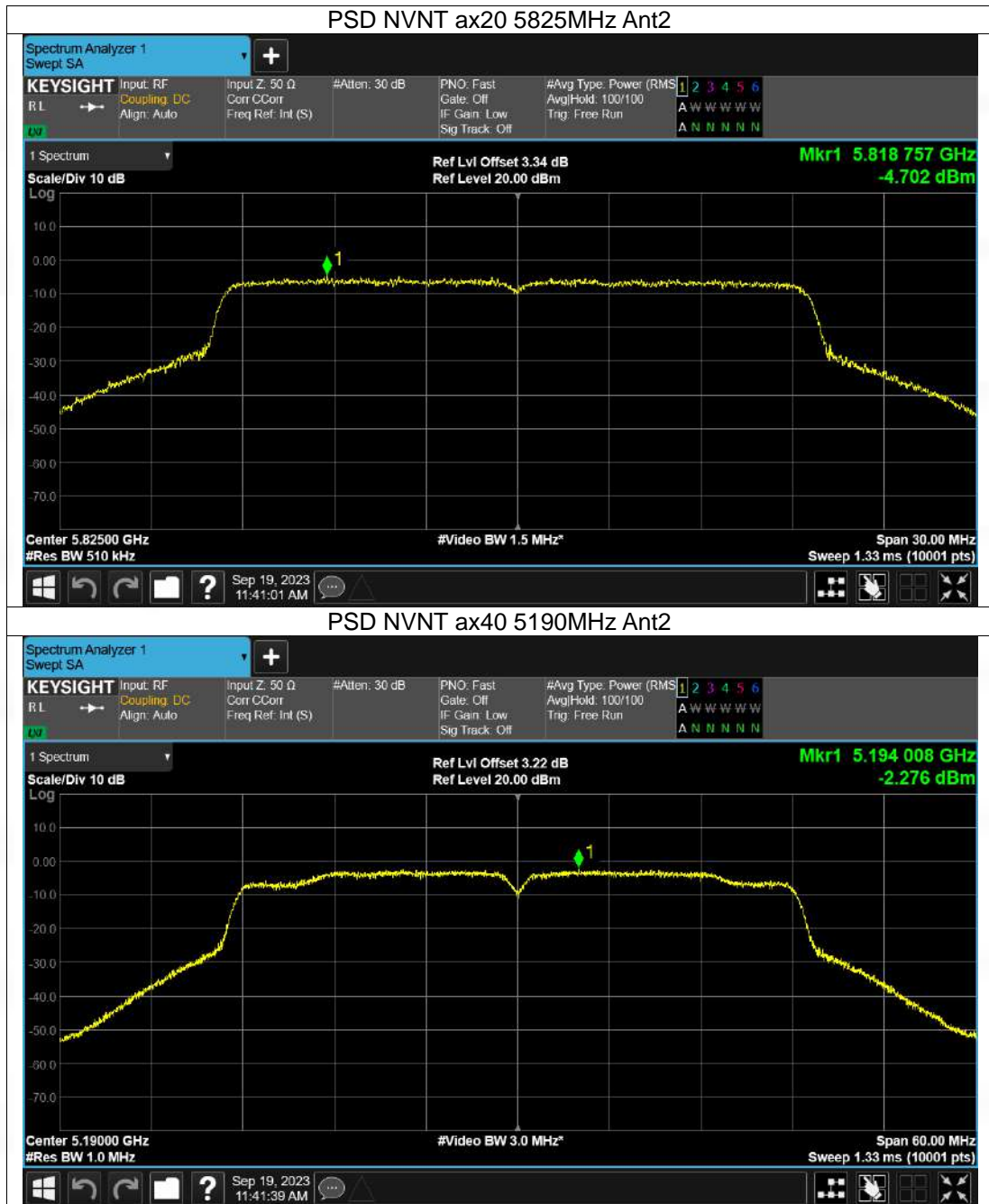




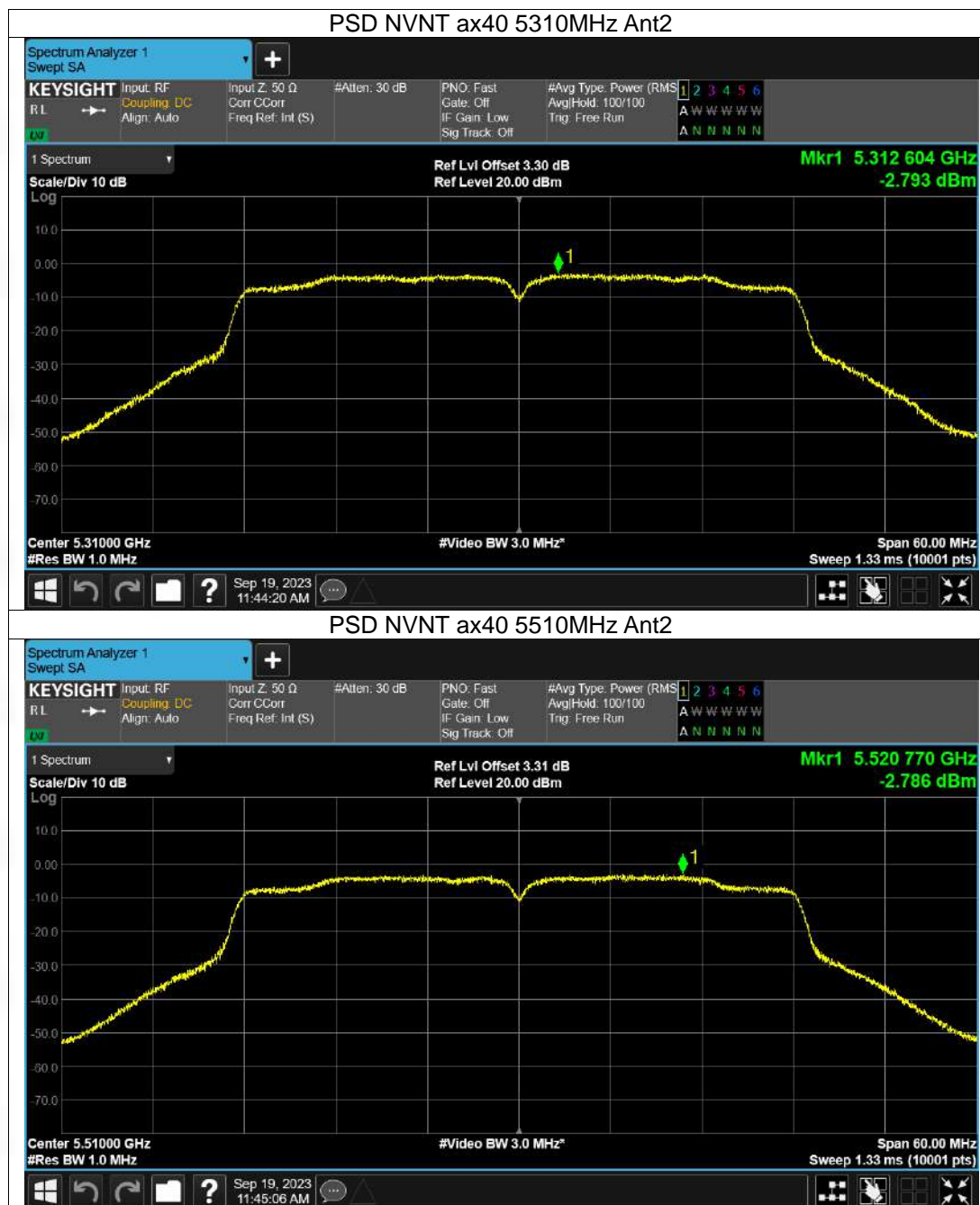










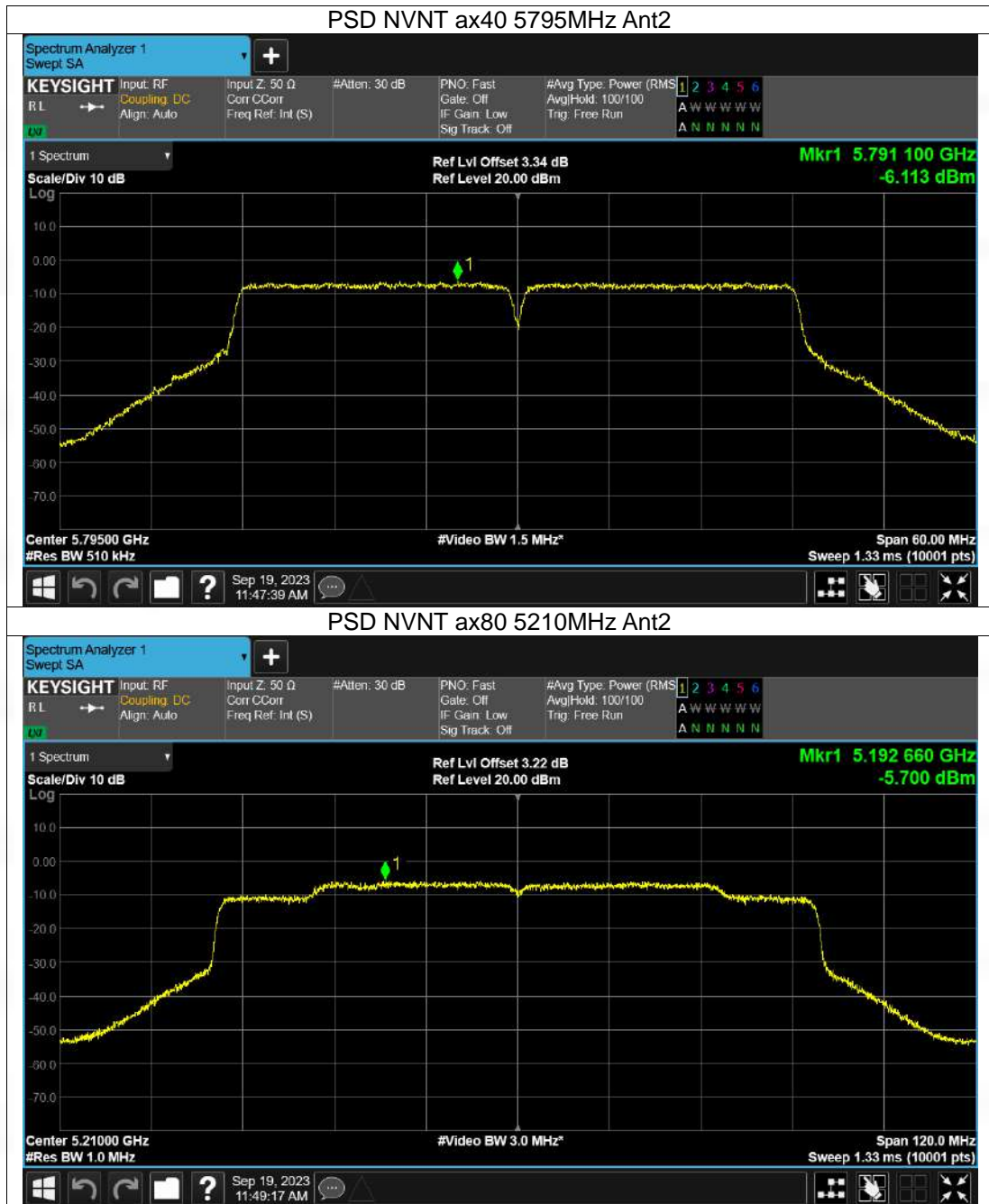


PSD NVNT ax40 5670MHz Ant2



PSD NVNT ax40 5755MHz Ant2





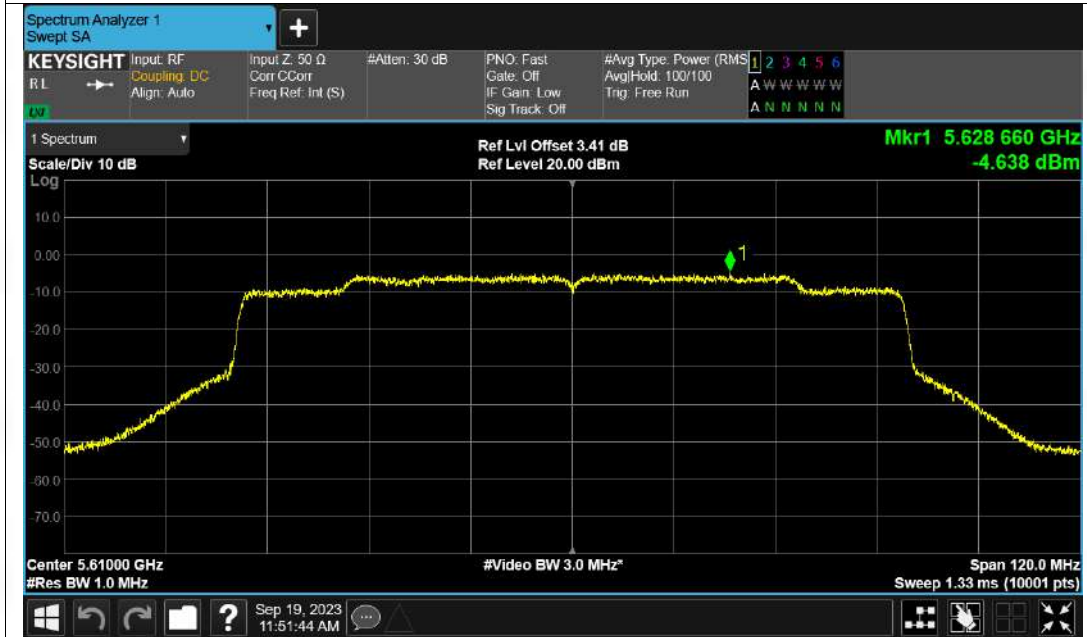
PSD NVNT ax80 5290MHz Ant2



PSD NVNT ax80 5530MHz Ant2



PSD NVNT ax80 5610MHz Ant2



PSD NVNT ax80 5775MHz Ant2



4. Frequency Stability

4.1 Ant1

4.1.1 Test Result

Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
a	5260	Ant1	5259.96	-40000	-7.6	25	Pass
a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
a	5500	Ant1	5499.98	-20000	-3.64	25	Pass
a	5700	Ant1	5699.96	-40000	-7.02	25	Pass
a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
a	5825	Ant1	5824.96	-40000	-6.87	25	Pass
n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
n20	5320	Ant1	5319.94	-60000	-11.28	25	Pass
n20	5500	Ant1	5500	0	0	25	Pass
n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
n20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
n40	5270	Ant1	5270	0	0	25	Pass
n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
n40	5510	Ant1	5509.92	-80000	-14.52	25	Pass
n40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
ac20	5500	Ant1	5499.94	-60000	-10.91	25	Pass
ac20	5700	Ant1	5699.94	-60000	-10.53	25	Pass
ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
ac40	5190	Ant1	5190	0	0	25	Pass
ac40	5230	Ant1	5230	0	0	25	Pass
ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
ac40	5310	Ant1	5310	0	0	25	Pass
ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
ac40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
ac40	5755	Ant1	5755	0	0	25	Pass
ac40	5795	Ant1	5795	0	0	25	Pass
ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
ac80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
ac80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
ac80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass
ax160	5250	Ant1	5250	0	0	25	Pass
ax160	5570	Ant1	5570	0	0	25	Pass
ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass

ax20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
ax20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
ax20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
ax20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
ax20	5700	Ant1	5699.92	-80000	-14.04	25	Pass
ax20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
ax20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
ax40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
ax40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
ax40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
ax40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
ax40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
ax40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
ax80	5210	Ant1	5210	0	0	25	Pass
ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
ax80	5530	Ant1	5530	0	0	25	Pass
ax80	5610	Ant1	5610	0	0	25	Pass
ax80	5775	Ant1	5774.92	-80000	-13.85	25	Pass

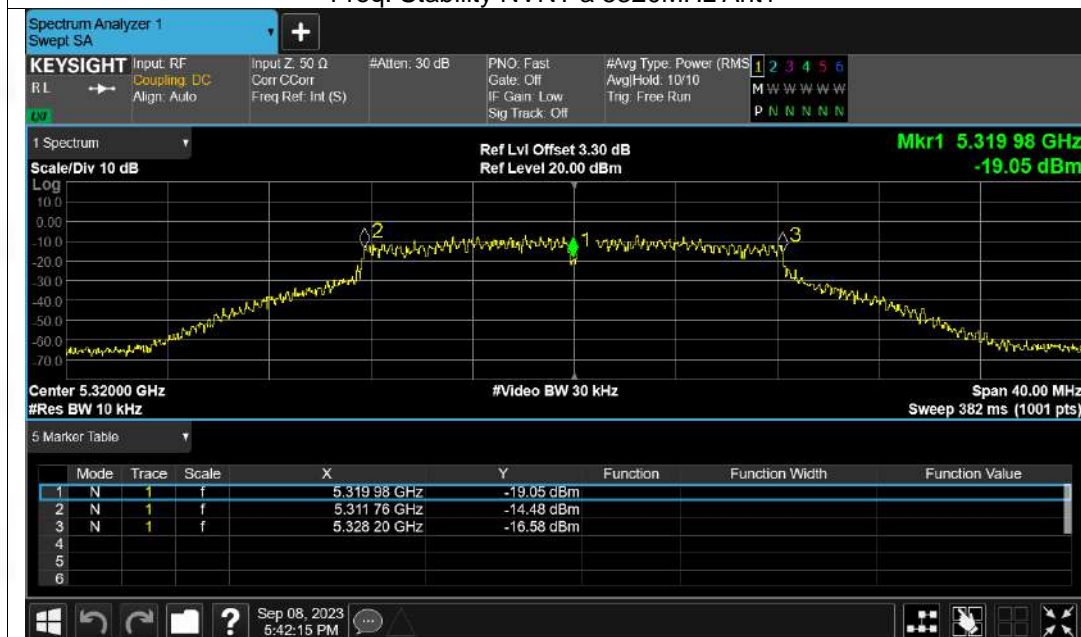
4.1.2 Test Graph



Freq. Stability NVNT a 5260MHz Ant1



Freq. Stability NVNT a 5320MHz Ant1



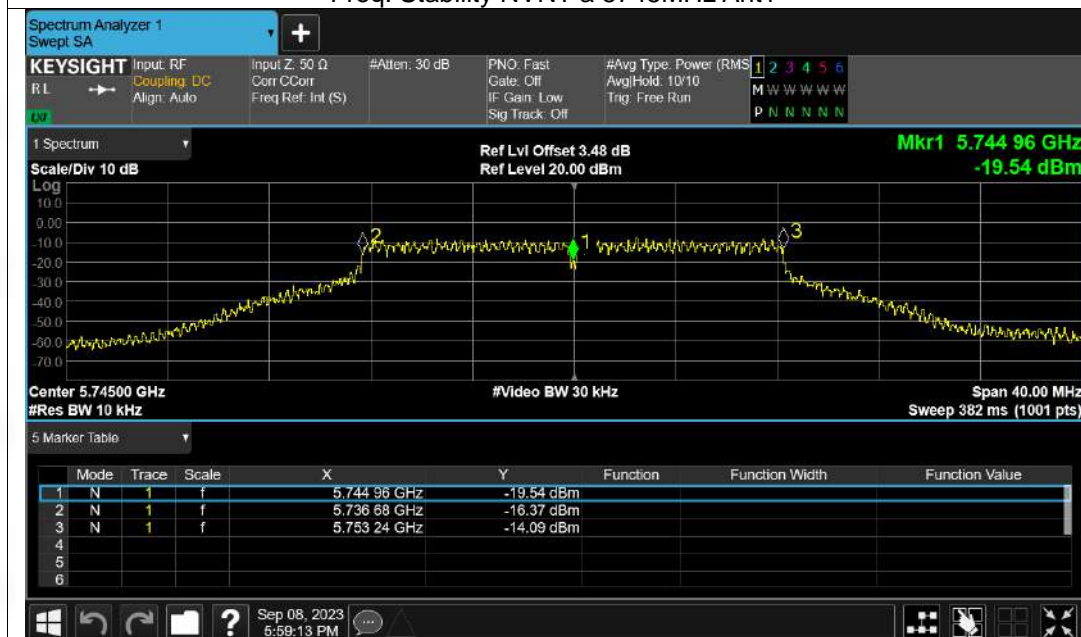
Freq. Stability NVNT a 5500MHz Ant1



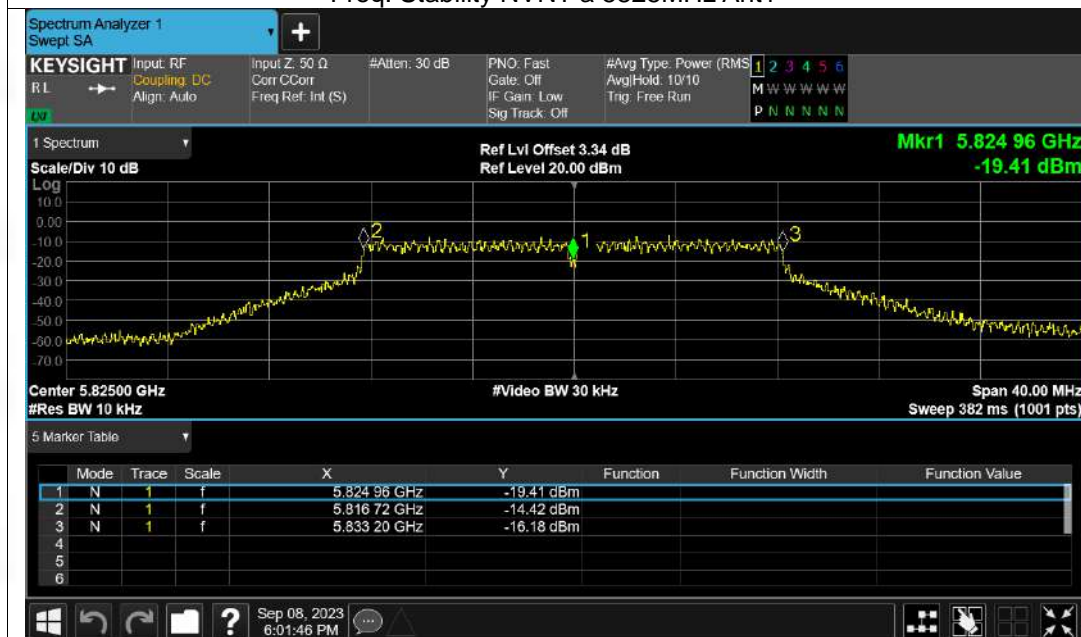
Freq. Stability NVNT a 5700MHz Ant1



Freq. Stability NVNT a 5745MHz Ant1



Freq. Stability NVNT a 5825MHz Ant1



Freq. Stability NVNT n20 5180MHz Ant1



Freq. Stability NVNT n20 5240MHz Ant1



Freq. Stability NVNT n20 5260MHz Ant1



Freq. Stability NVNT n20 5320MHz Ant1



Freq. Stability NVNT n20 5500MHz Ant1



Freq. Stability NVNT n20 5700MHz Ant1



Freq. Stability NVNT n20 5745MHz Ant1



Freq. Stability NVNT n20 5825MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1



Freq. Stability NVNT n40 5230MHz Ant1



Freq. Stability NVNT n40 5270MHz Ant1



Freq. Stability NVNT n40 5310MHz Ant1



Freq. Stability NVNT n40 5510MHz Ant1



Freq. Stability NVNT n40 5670MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1

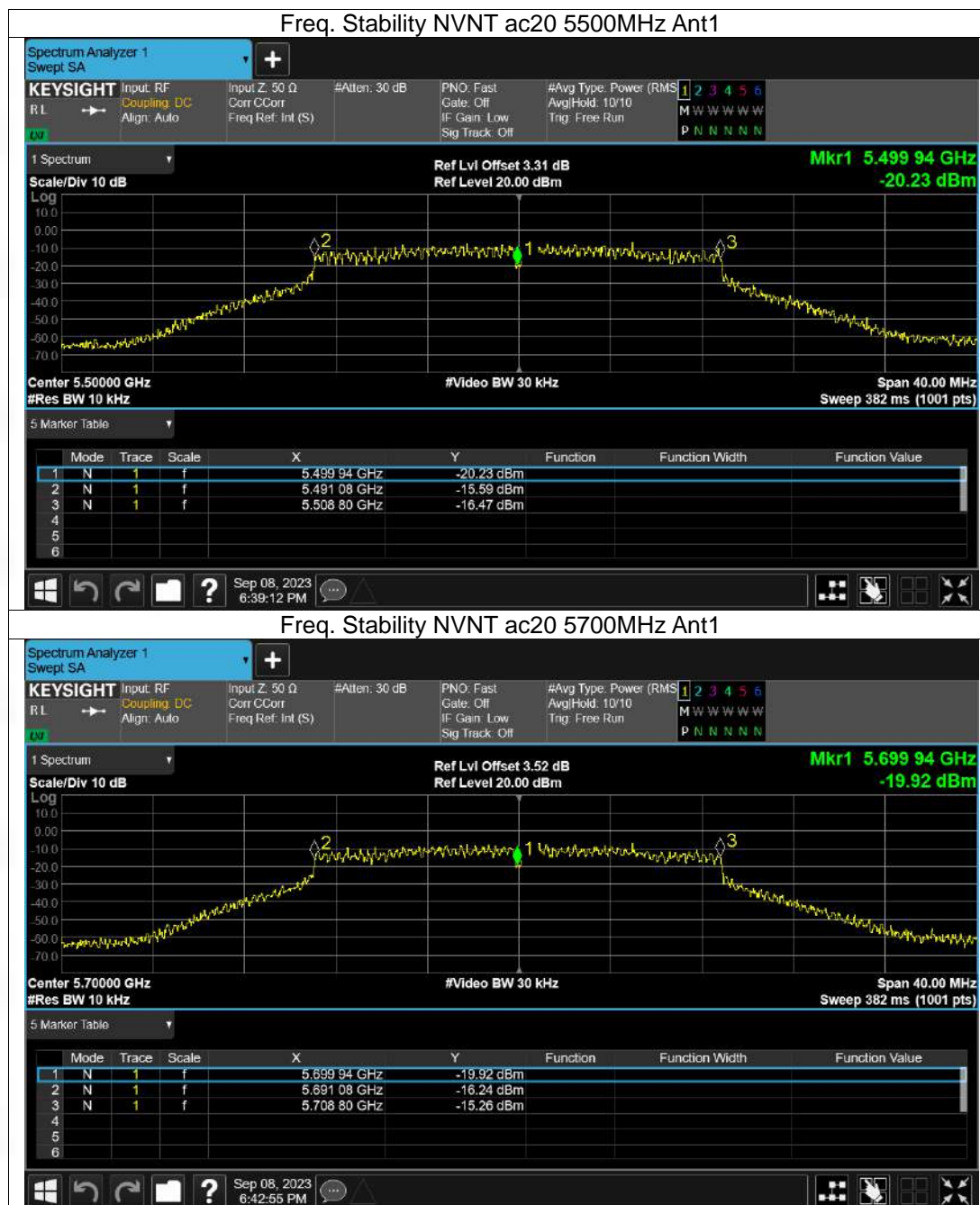


Freq. Stability NVNT n40 5795MHz Ant1









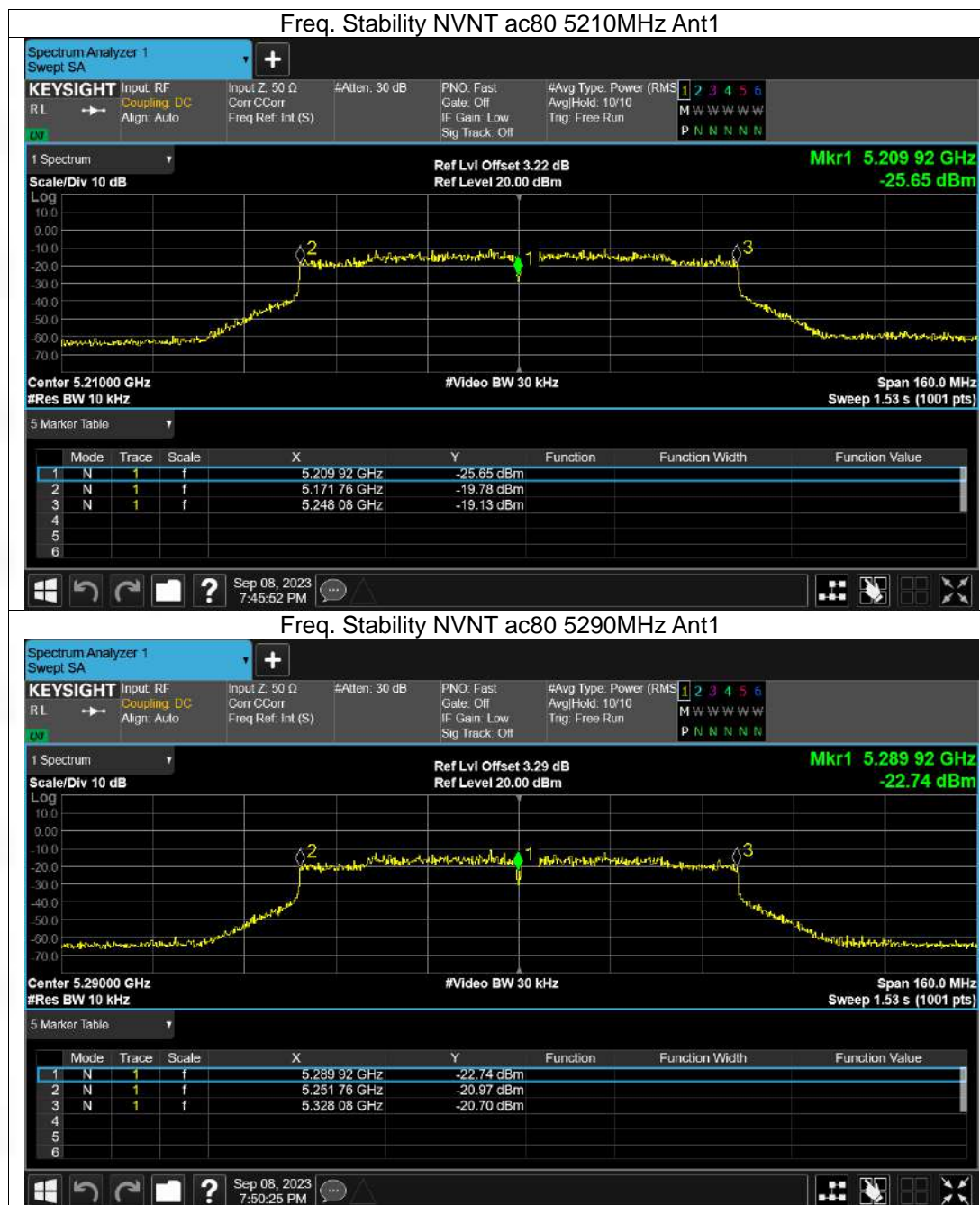


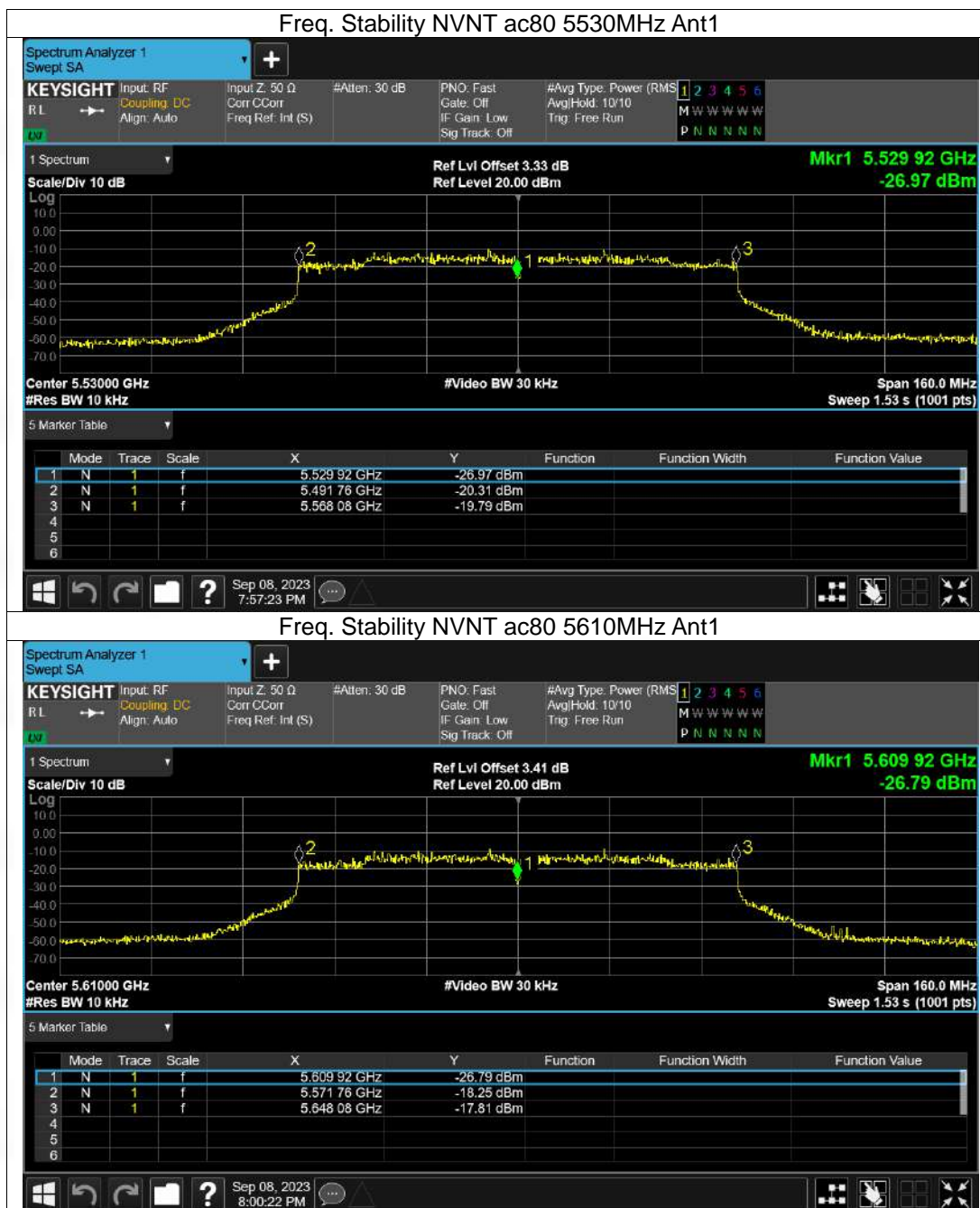


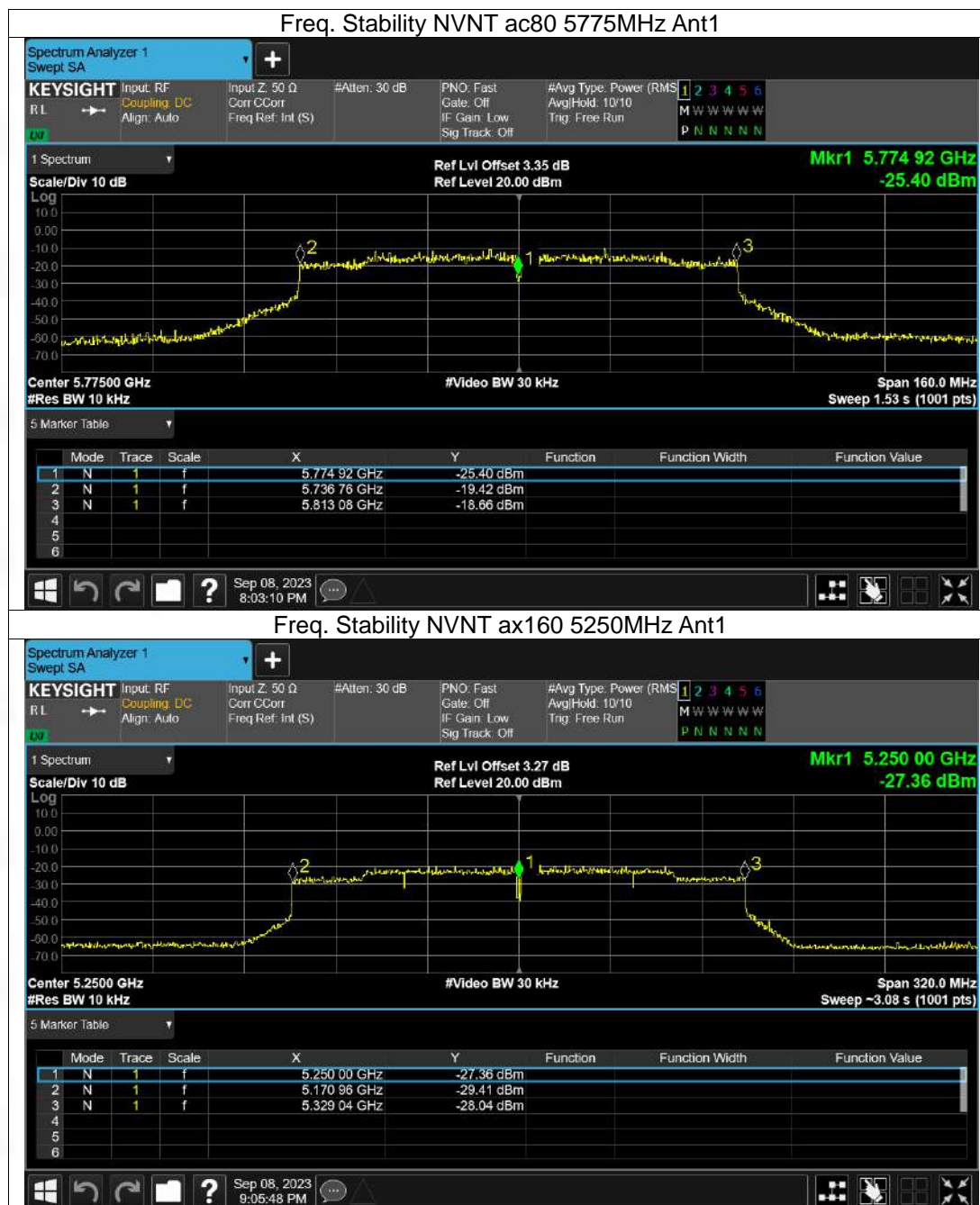












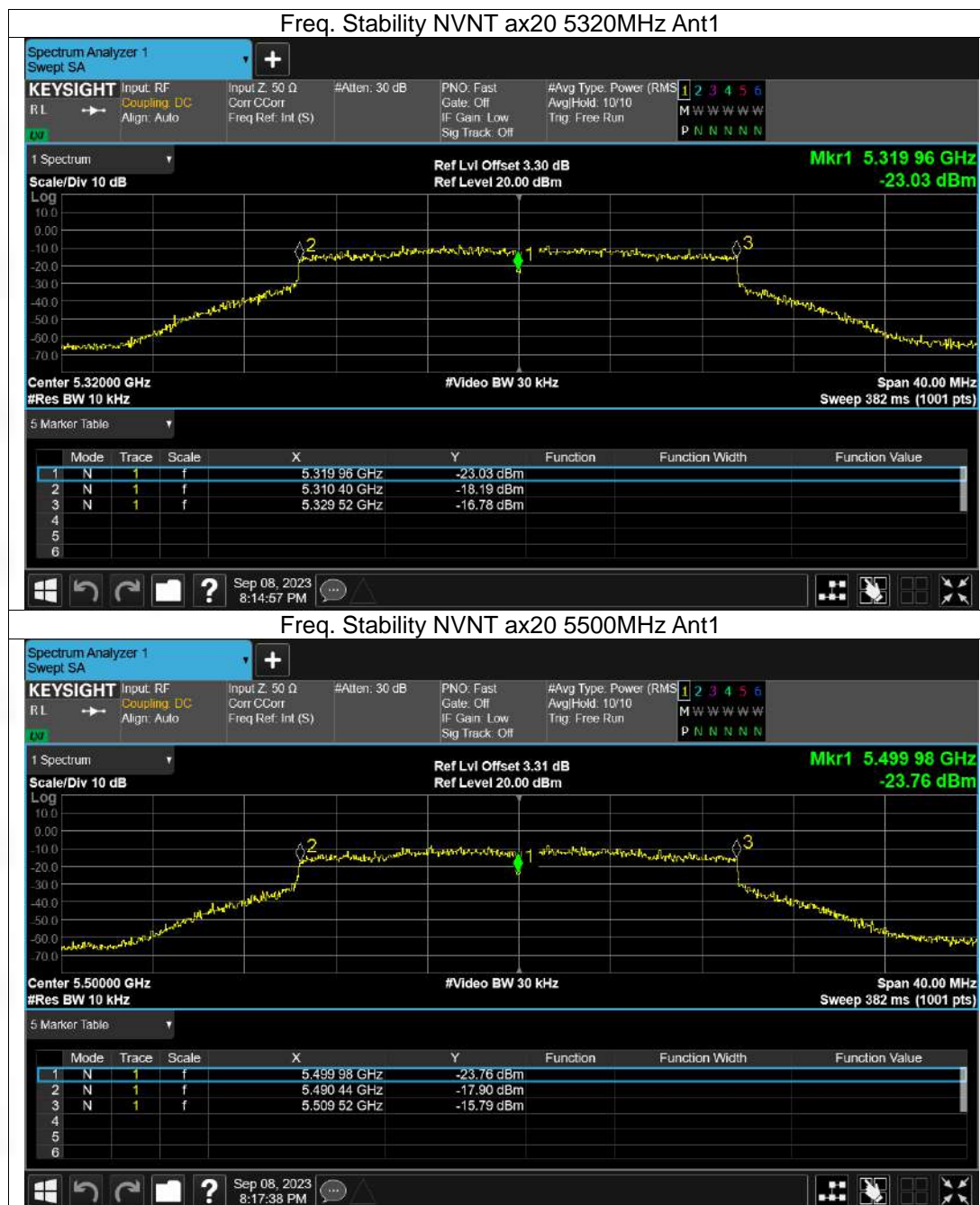
Freq. Stability NVNT ax160 5570MHz Ant1

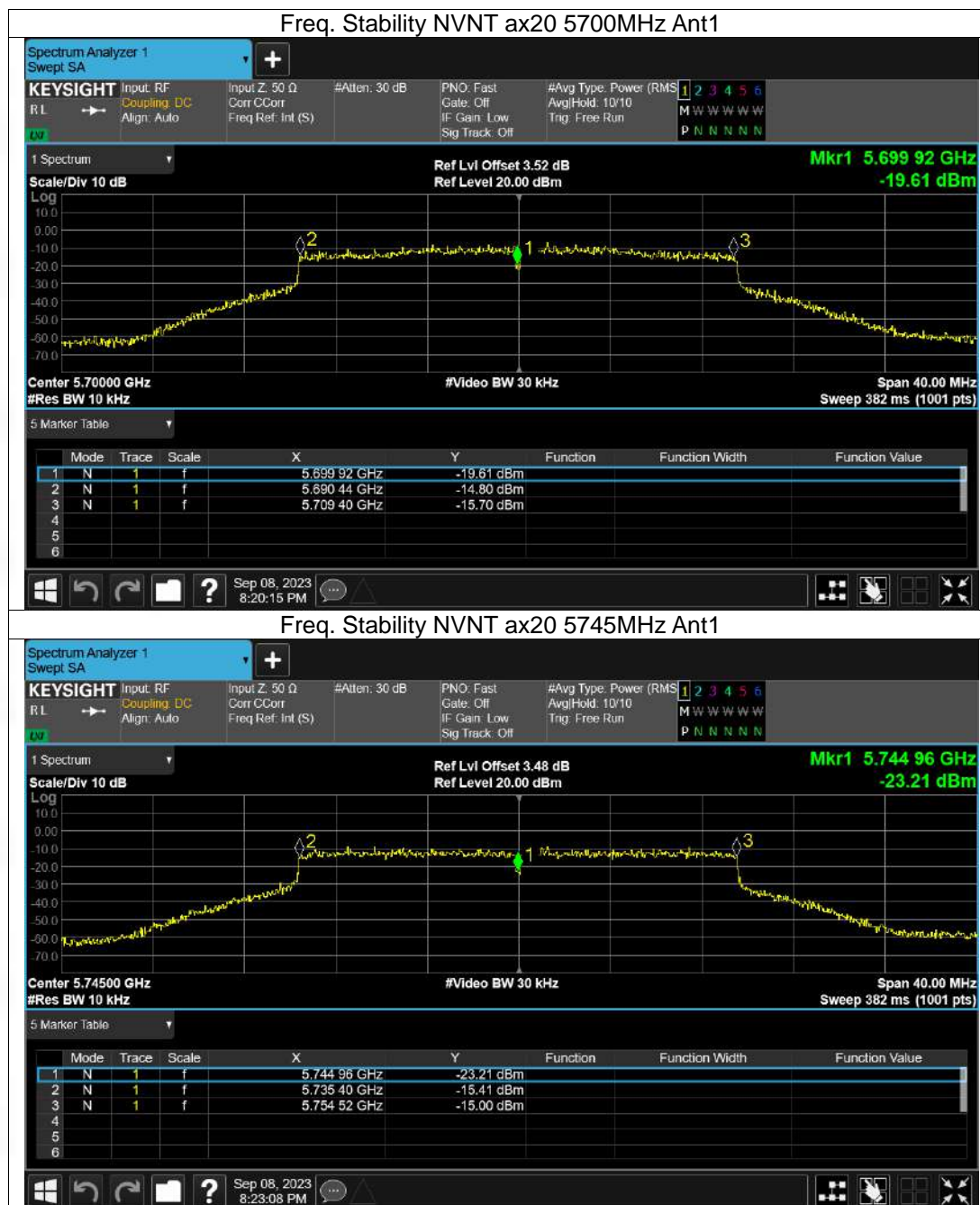


Freq. Stability NVNT ax20 5180MHz Ant1

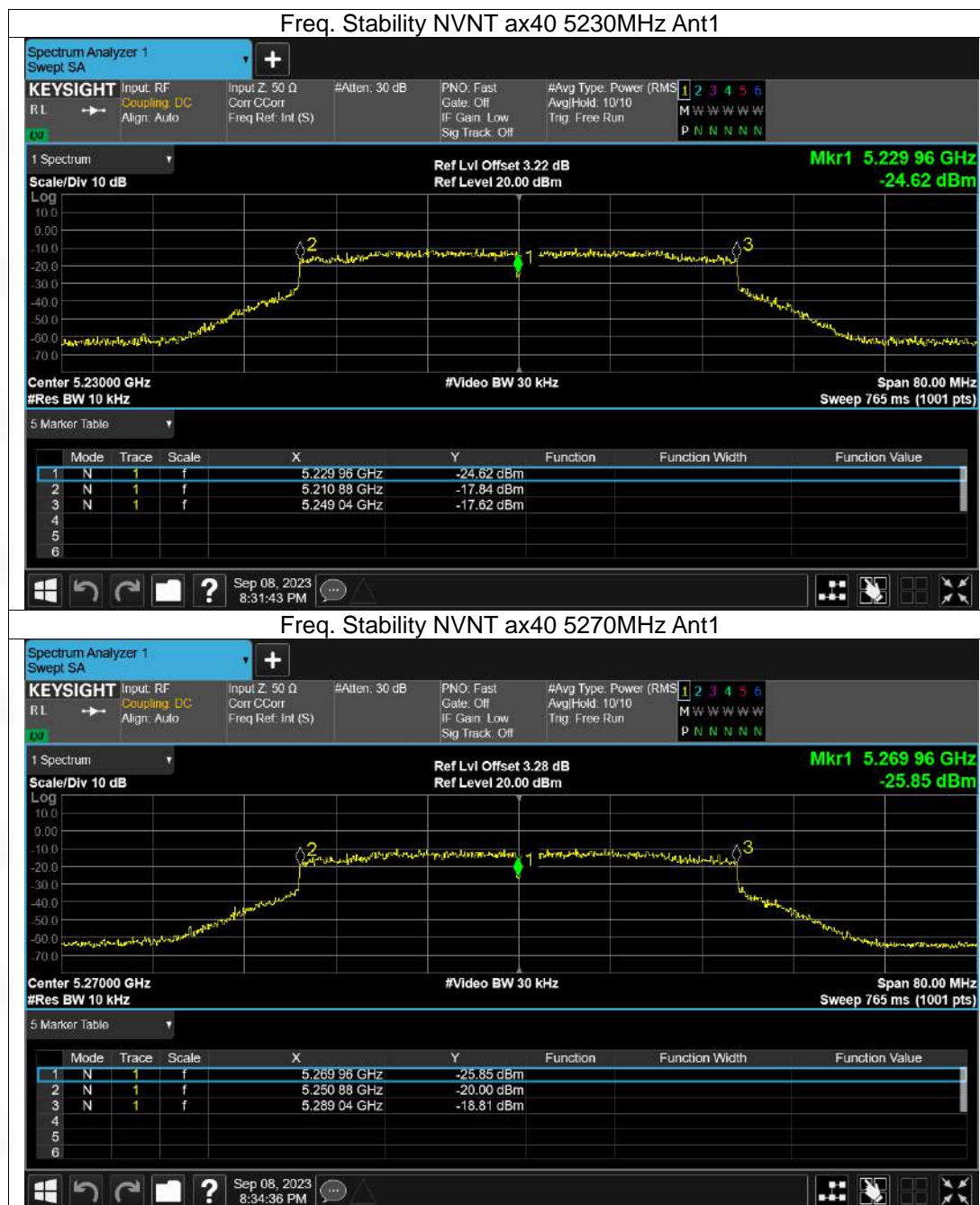




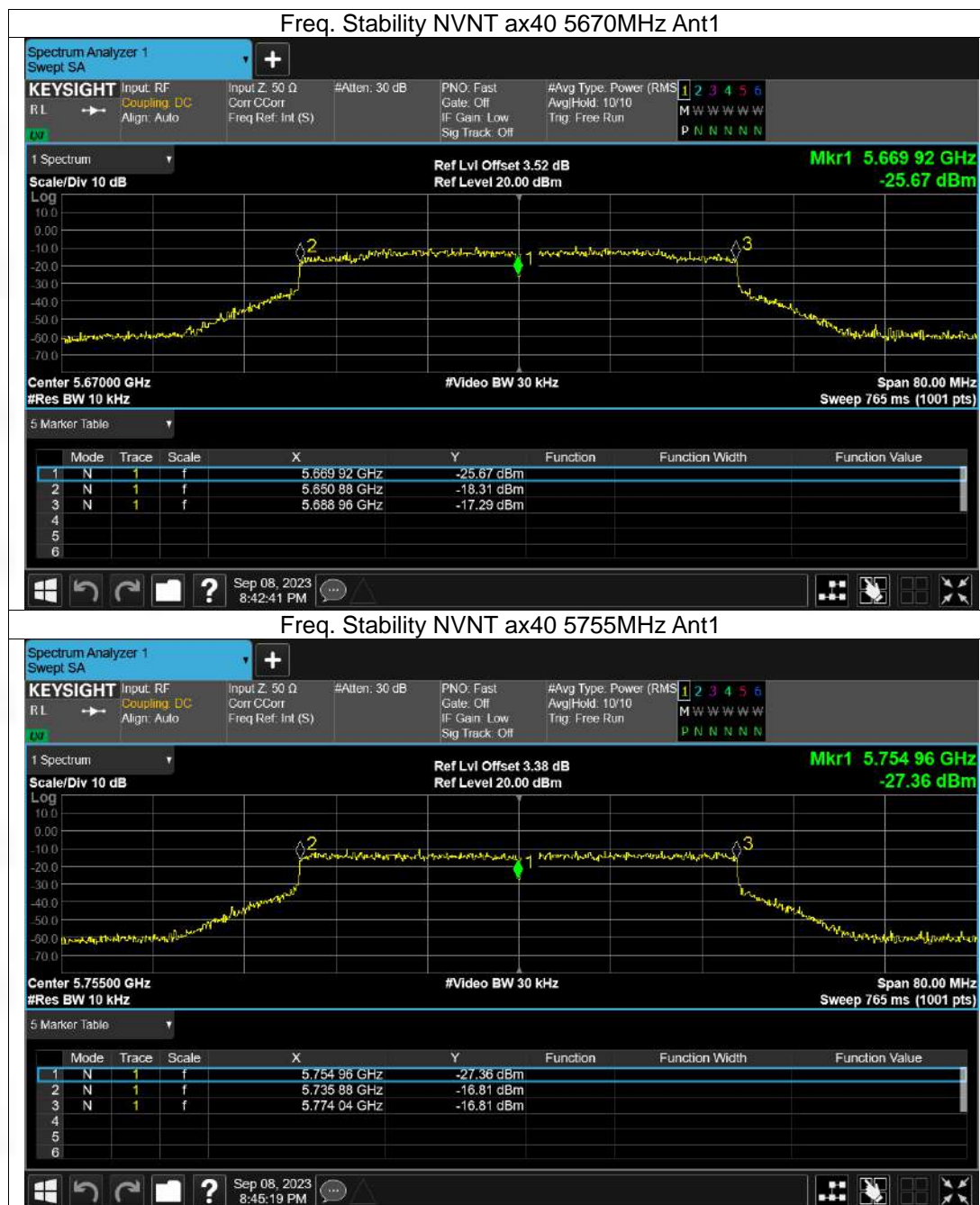


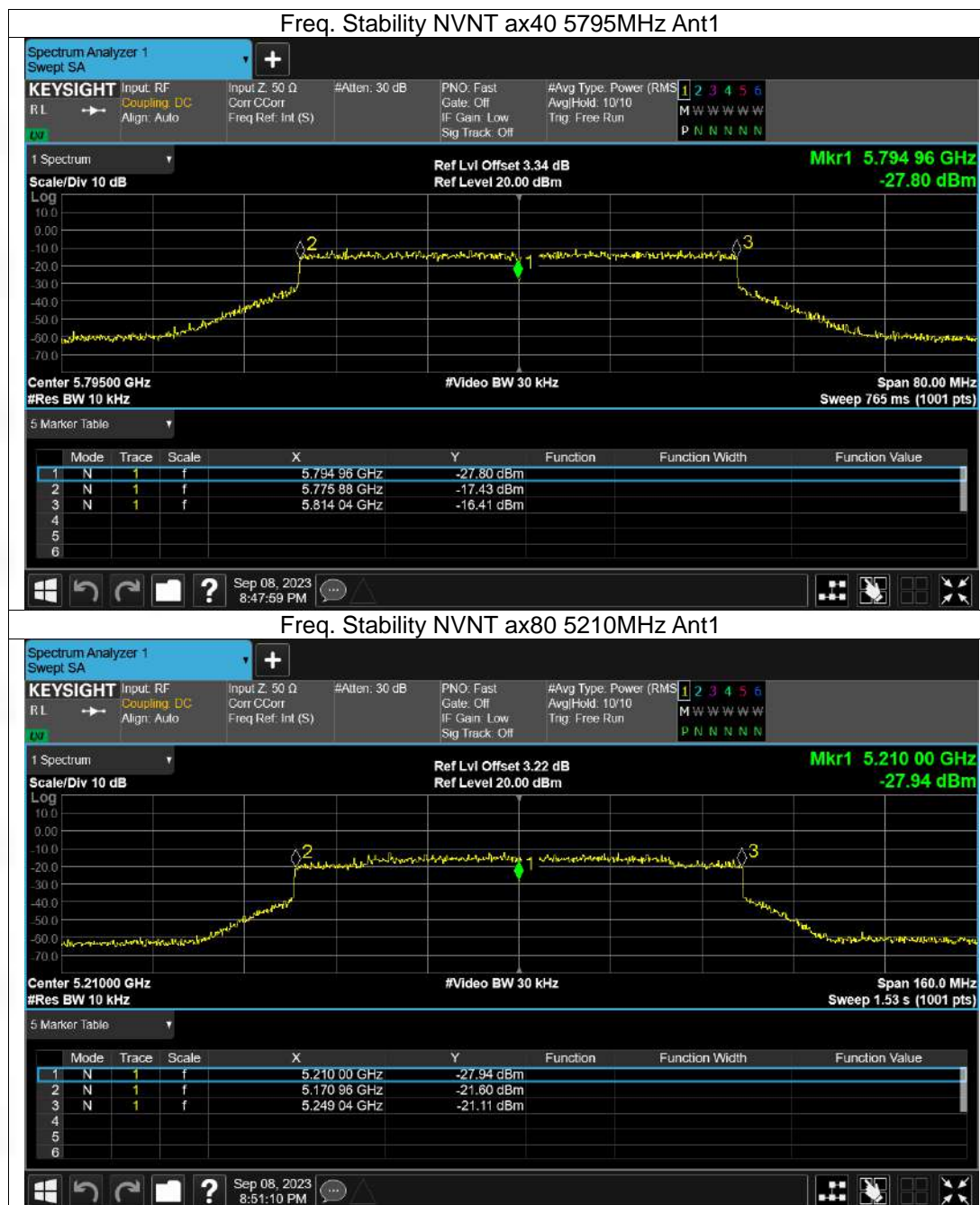




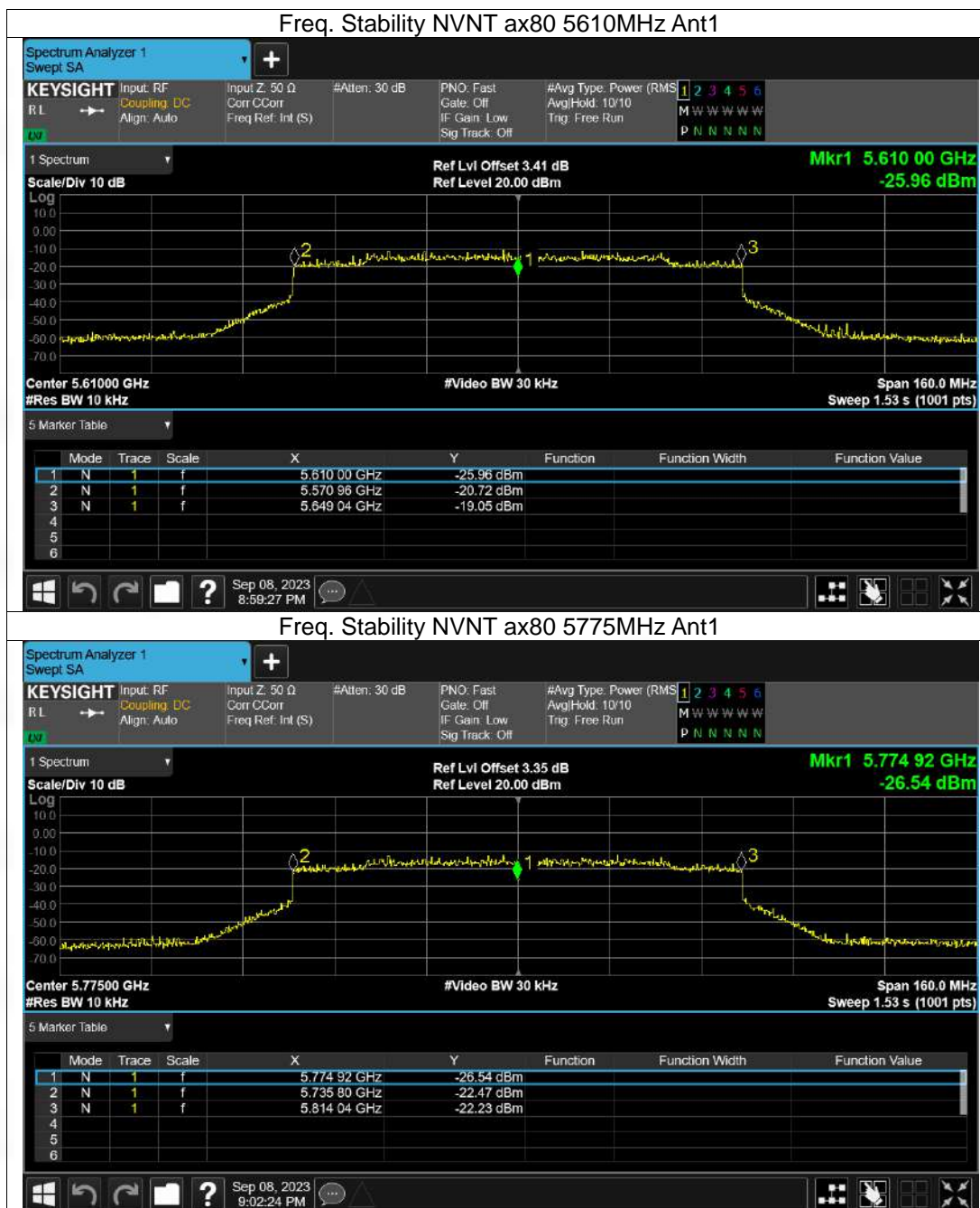














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-- END OF REPORT --