

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
а	5180	Ant1	5179.98	-20000	-3.86	25	Pass
а	5240	Ant1	5240	0	0	25	Pass
а	5260	Ant1	5259.98	-20000	-3.8	25	Pass
а	5320	Ant1	5320	0	0	25	Pass
а	5500	Ant1	5500	0	0	25	Pass
а	5700	Ant1	5700	0	0	25	Pass
а	5745	Ant1	5745	0	0	25	Pass
а	5825	Ant1	5825	0	0	25	Pass
n20	5180	Ant1	5180.02	20000	3.86	25	Pass
n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
n20	5260	Ant1	5260.02	20000	3.8	25	Pass
n20	5320	Ant1	5320.02	20000	3.76	25	Pass
n20	5500	Ant1	5500.02	20000	3.64	25	Pass
n20	5700	Ant1	5700.02	20000	3.51	25	Pass
n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
n20	5825	Ant1	5825.02	20000	3.43	25	Pass
n40	5190	Ant1	5190	0	0	25	Pass
n40	5230	Ant1	5230	0	0	25	Pass
n40	5270	Ant1	5270	0	0	25	Pass
n40	5310	Ant1	5310	0	0	25	Pass
n40	5510	Ant1	5510	0	0	25	Pass
n40	5670	Ant1	5670	0	0	25	Pass
n40	5755	Ant1	5755	0	0	25	Pass
n40	5795	Ant1	5795	0	0	25	Pass
ac20	5180	Ant1	5180	0	0	25	Pass
ac20	5240	Ant1	5240	0	0	25	Pass
ac20	5260	Ant1	5260	0	0	25	Pass
ac20	5320	Ant1	5320.02	20000	3.76	25	Pass
ac20	5500	Ant1	5500	0	0	25	Pass
ac20	5700	Ant1	5700	0	0	25	Pass
ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
ac20	5825	Ant1	5825	0	0	25	Pass
ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
ac40	5230	Ant1	5230	0	0	25	Pass
ac40	5270	Ant1	5270.04	40000	7.59	25	Pass
ac40	5310	Ant1	5310	0	0	25	Pass
ac40	5510	Ant1	5510	0	0	25	Pass
ac40	5670	Ant1	5670	0	0	25	Pass
ac40	5755	Ant1	5755	0	0	25	Pass
ac40	5795	Ant1	5795	0	0	25	Pass
			5209.92	-80000		25	
ac80 ac80	5210 5290	Ant1 Ant1	5209.92	-80000	-15.36 0	25	Pass Pass
ac80	5530	Ant1	5530	0	0	25	Pass
ac80	5610	Ant1	5610	0	0	25	Pass
ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass
					0		
ax160	5250	Ant1	5250 5570	0	0	25	Pass
ax160	5570	Ant1	5570	_	<u> </u>	25	Pass
ax20	5180	Ant1	5179.98	-20000 -40000	-3.86	25	Pass
ax20	5240	Ant1	5239.96		-7.63	25	Pass
ax20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
ax20	5320	Ant1	5320.02	20000	3.76	25	Pass
ax20	5500	Ant1	5500	0	0	25	Pass
ax20	5700	Ant1	5700.04	40000	7.02	25	Pass
ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
ax20	5825	Ant1	5824.98	-20000	-3.43	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

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ax40	5670	Ant1	5670	0	0	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	5290	0	0	25	Pass
ax80	5530	Ant1	5530	0	0	25	Pass
ax80	5610	Ant1	5610	0	0	25	Pass
ax80	5775	Ant1	5775	0	0	25	Pass

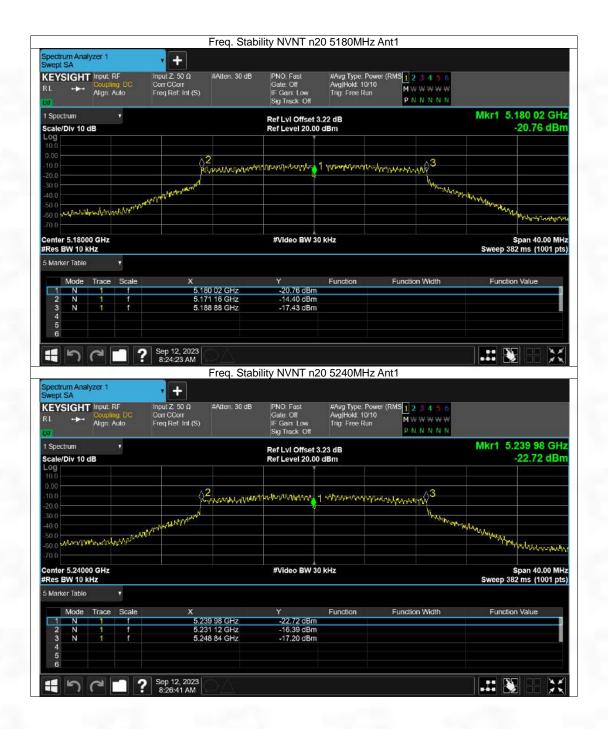
4.1.2 Test Graph



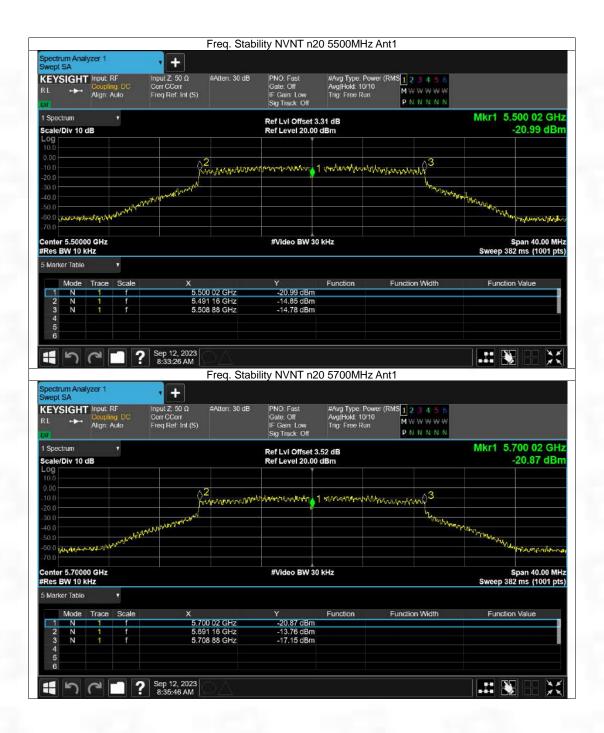




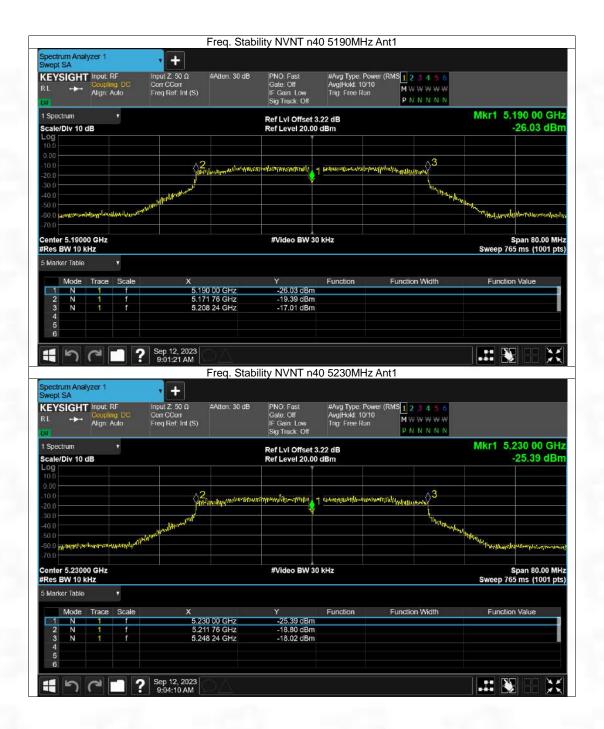






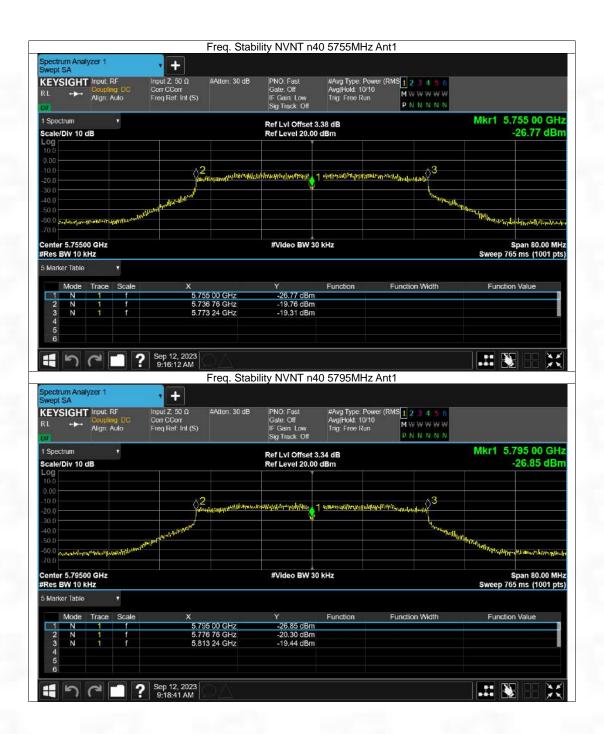




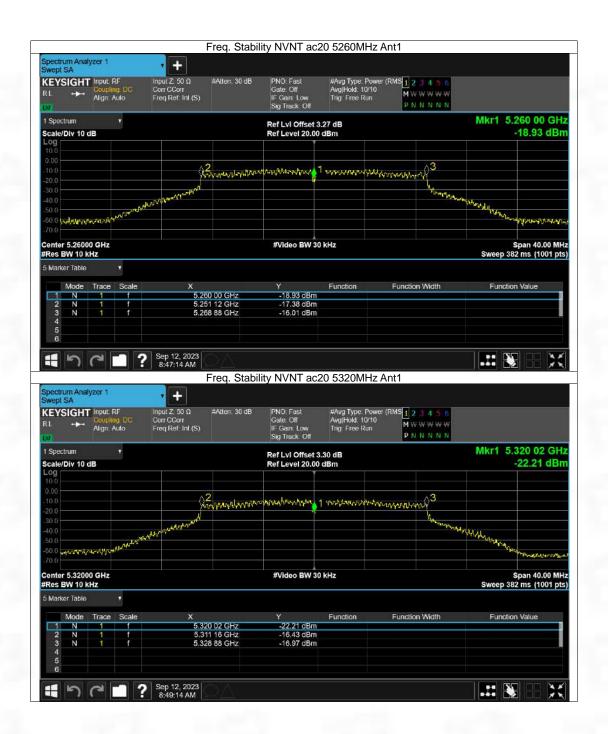








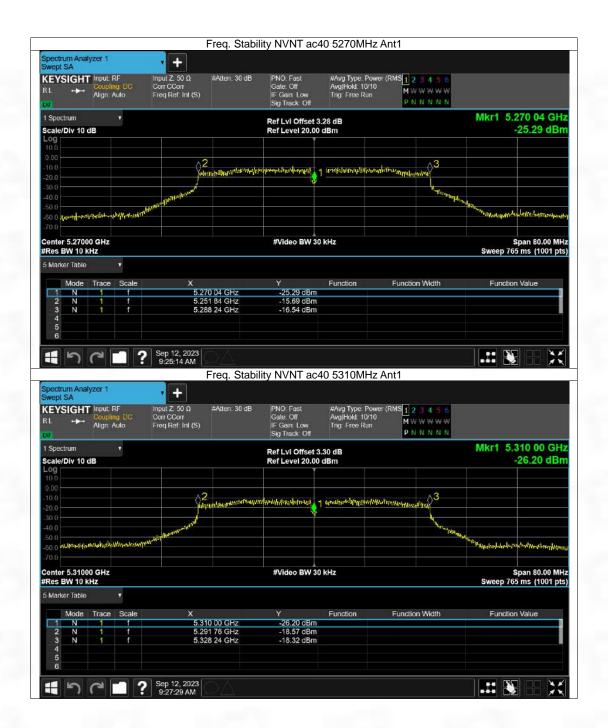


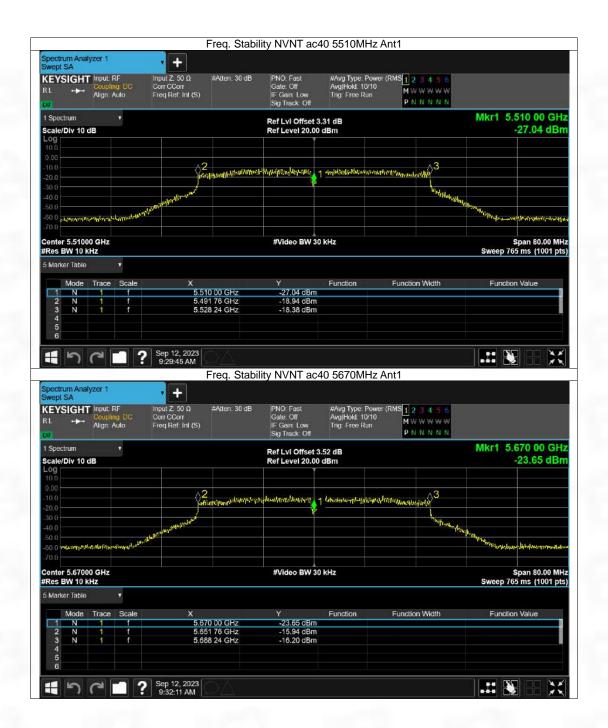


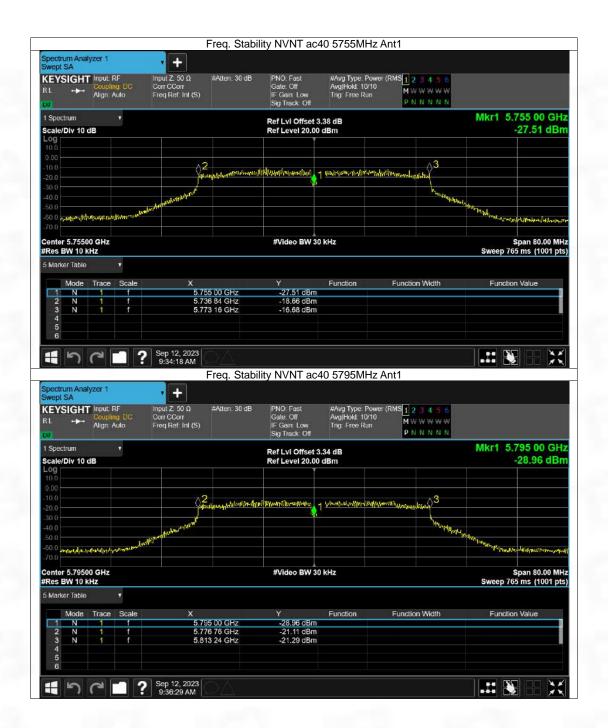




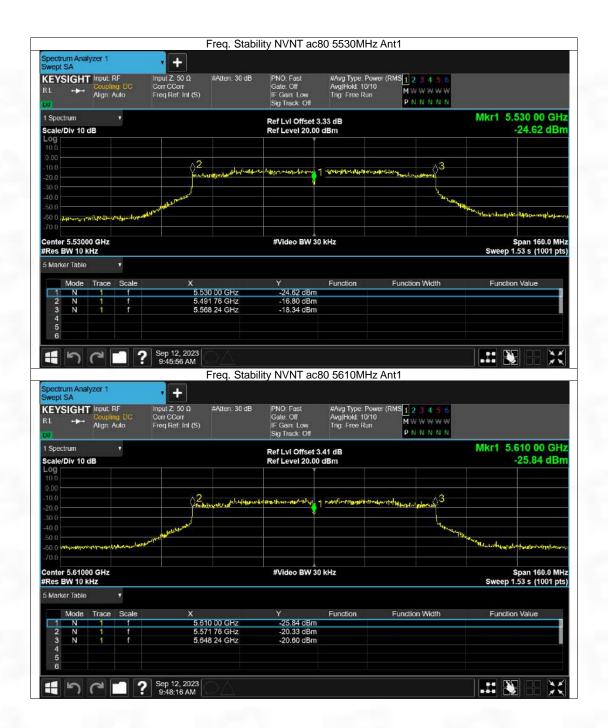


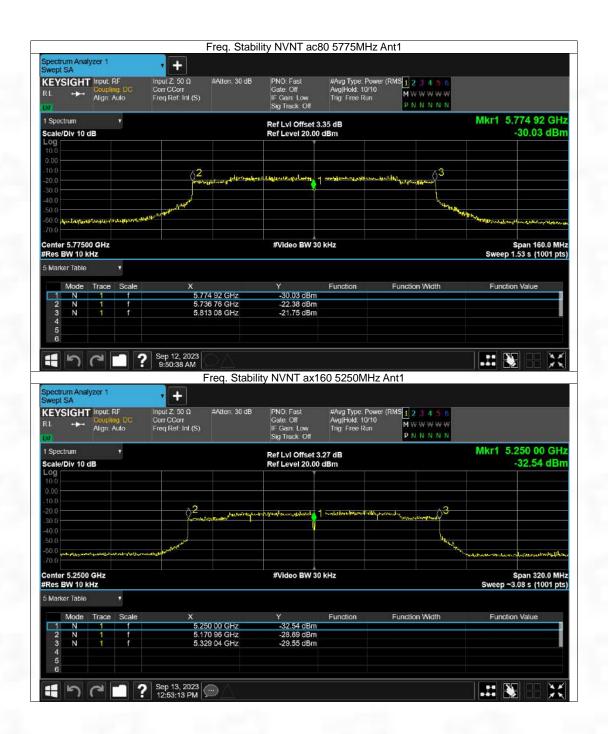


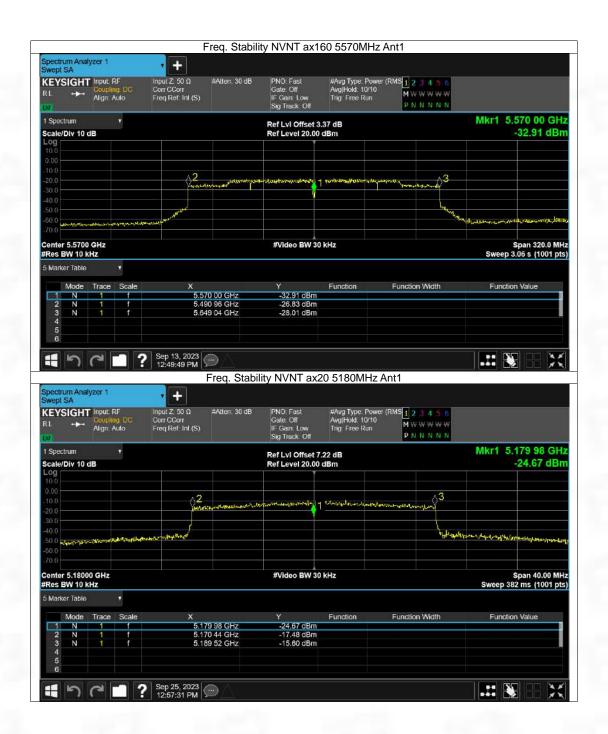


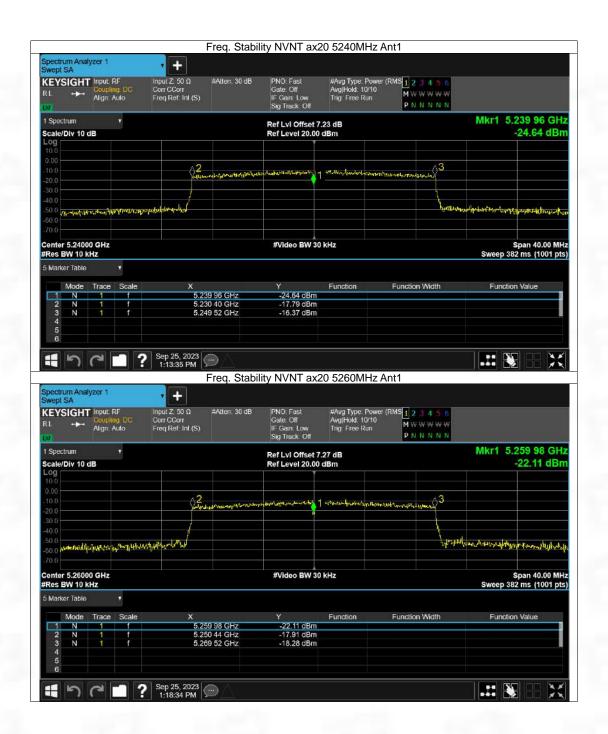


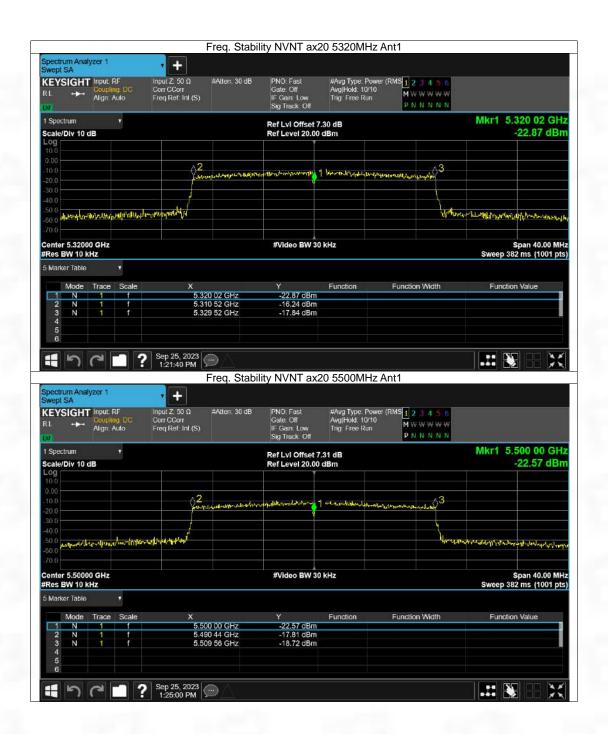


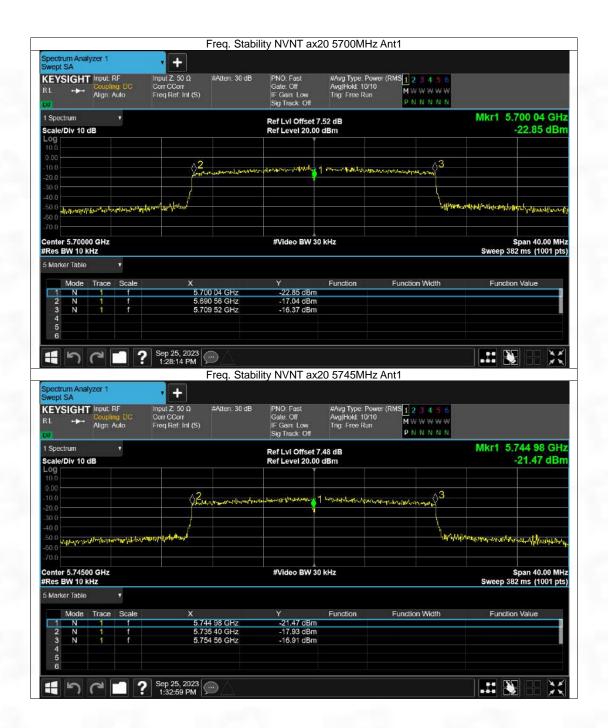


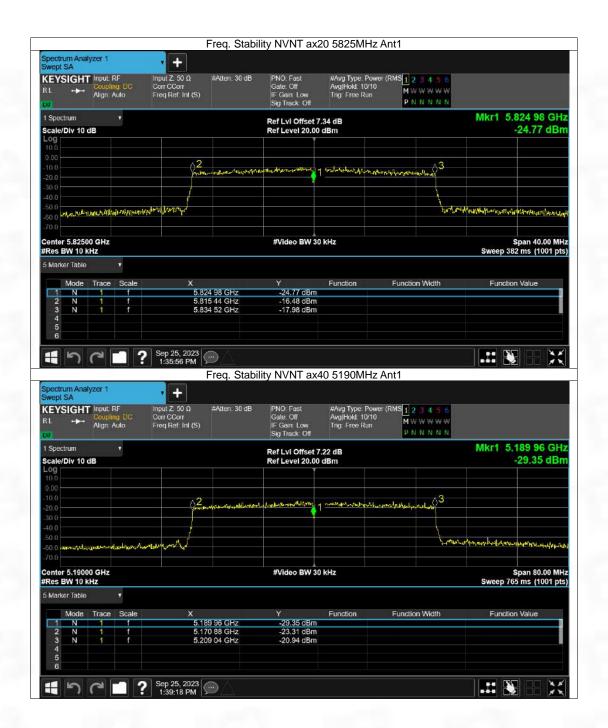


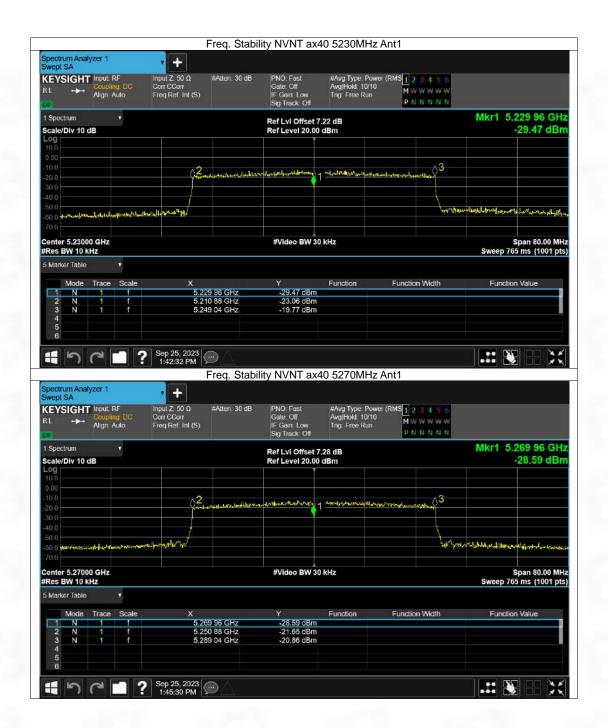


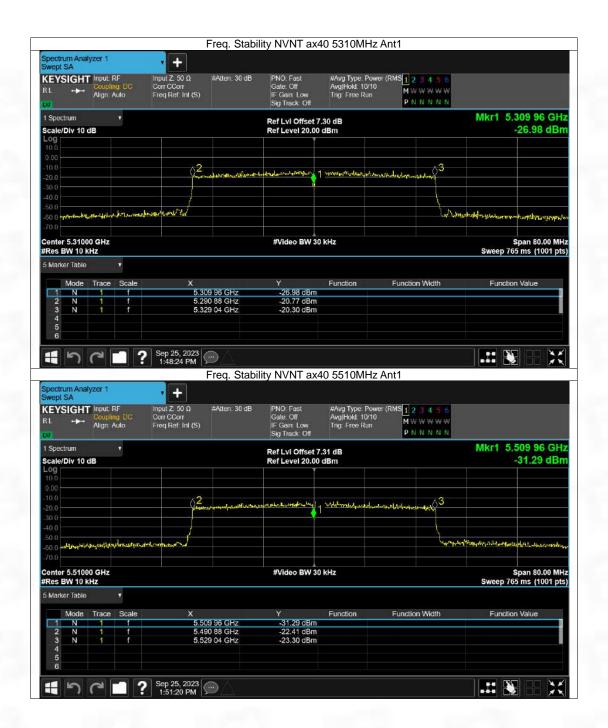


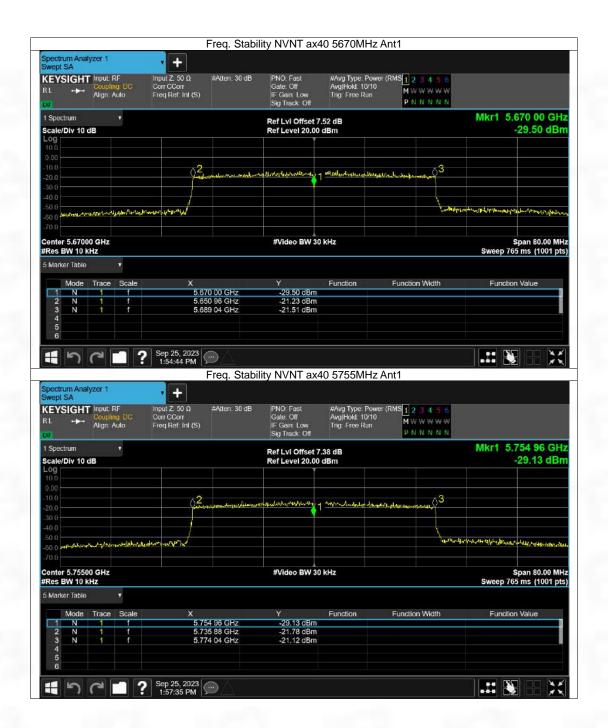


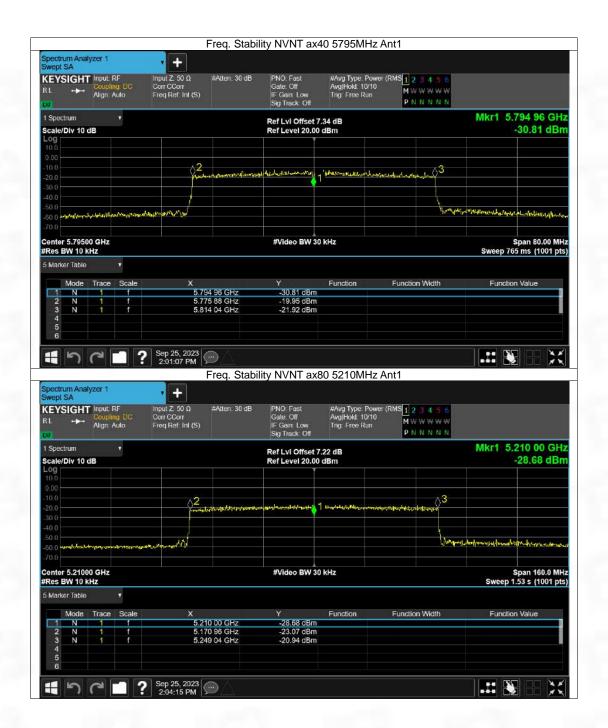


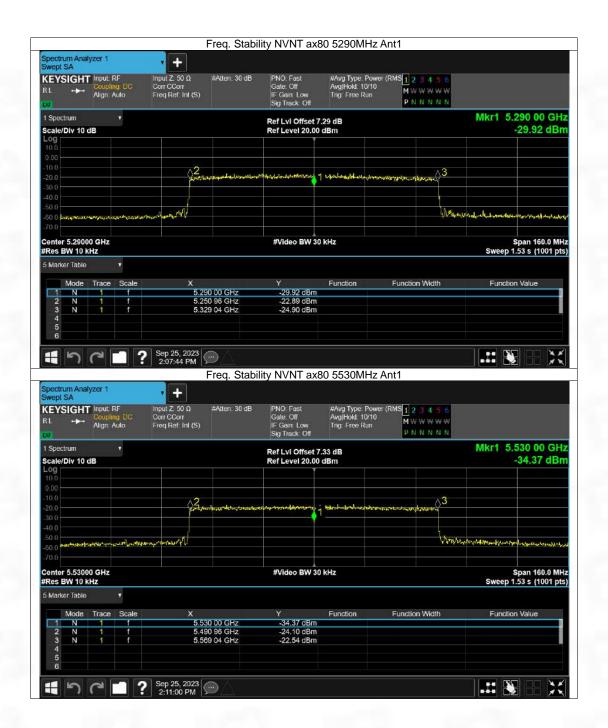


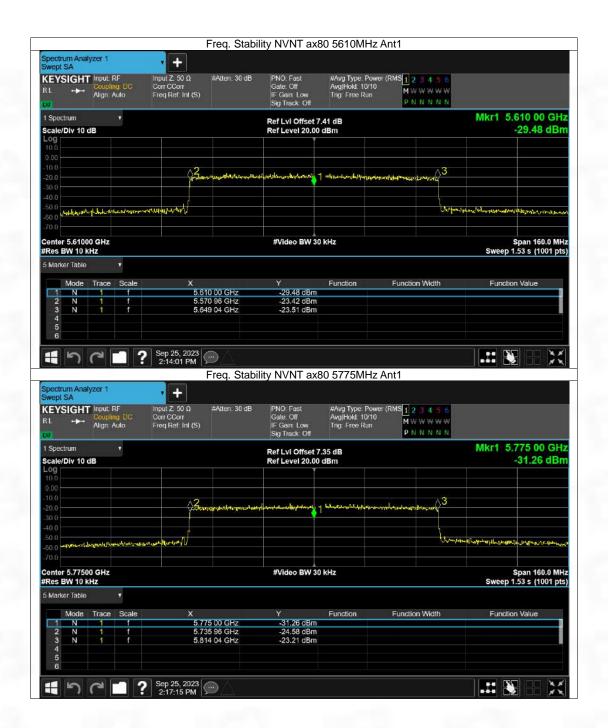














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