

3. Maximum Power Spectral Density

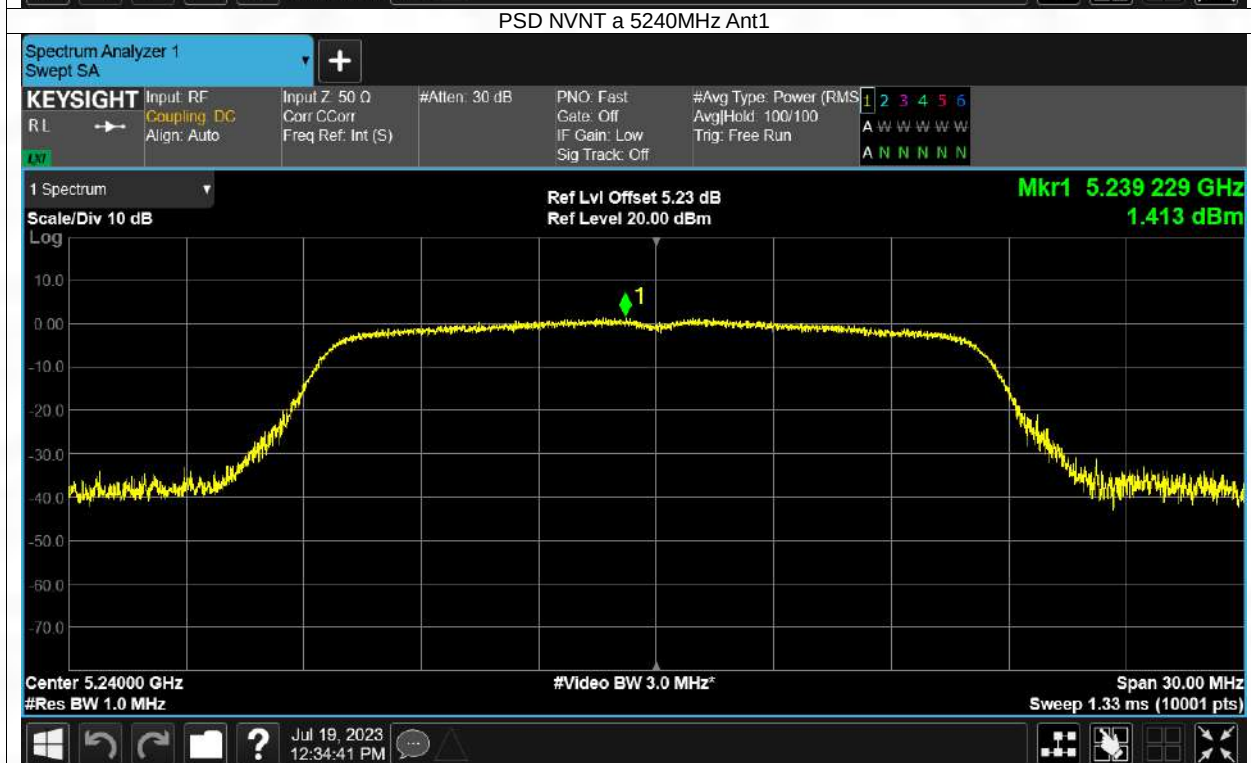
3.1 PSD

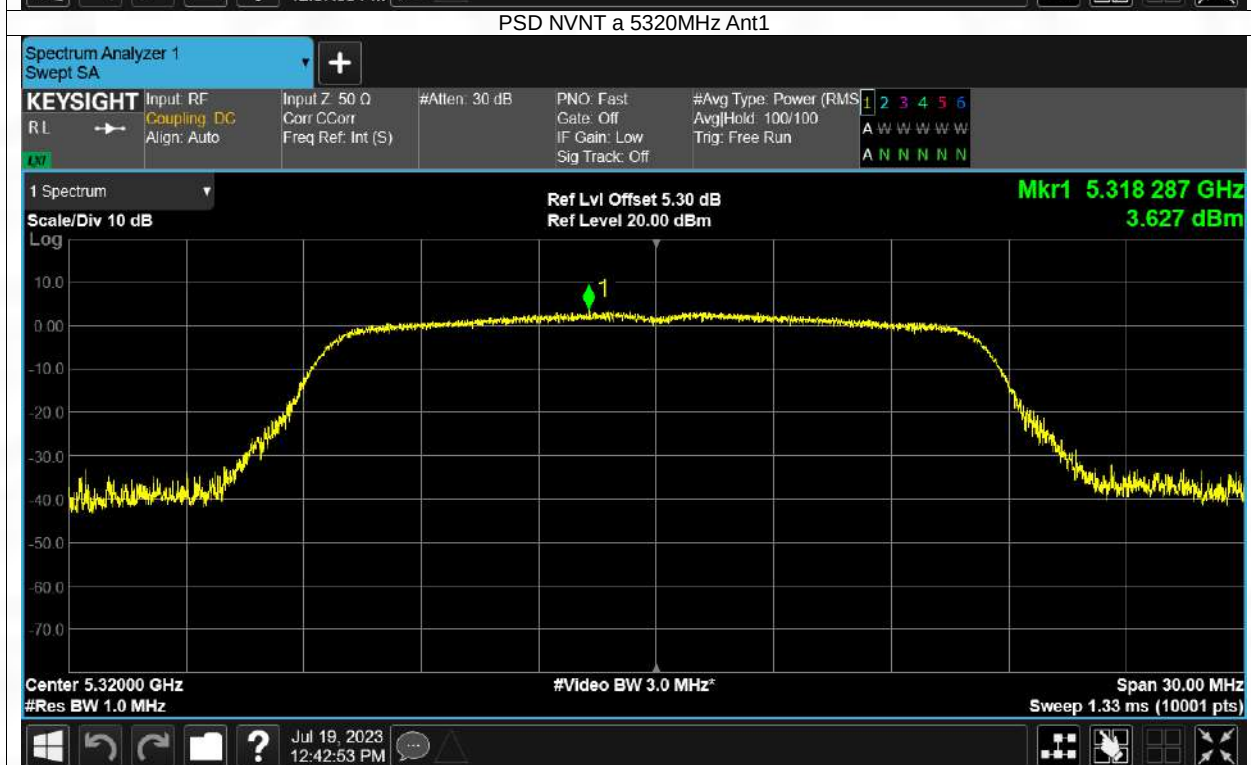
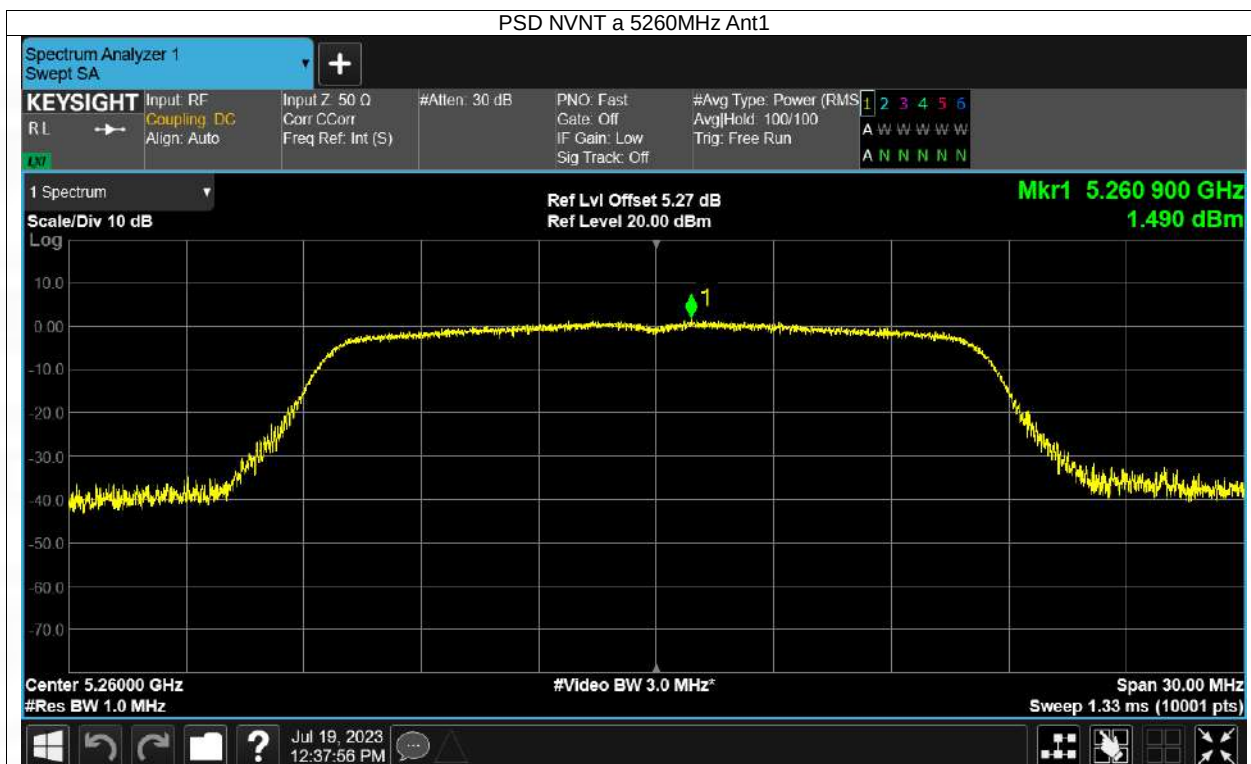
3.1.1 Test Result

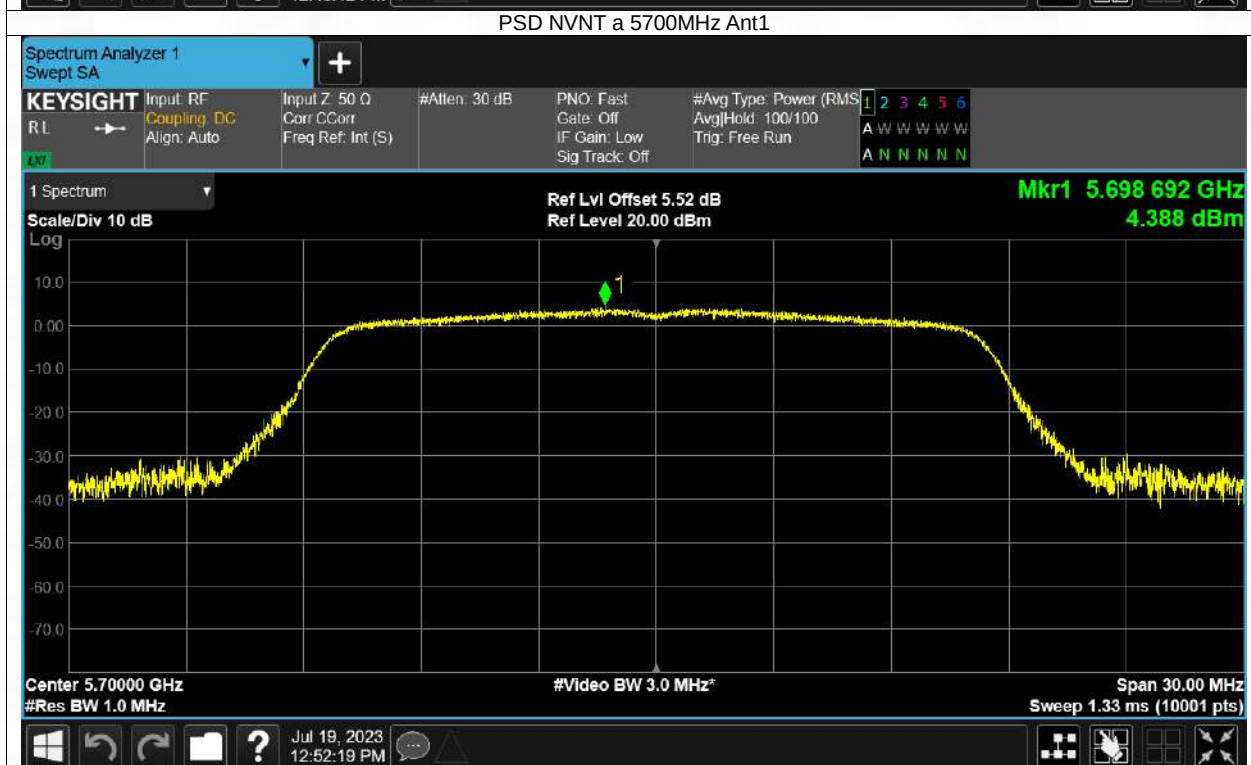
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	1.26	0	1.26	11	Pass
a	5240	Ant1	1.41	0	1.41	11	Pass
a	5260	Ant1	1.49	0	1.49	11	Pass
a	5320	Ant1	3.63	0	3.63	11	Pass
a	5500	Ant1	2.47	0	2.47	11	Pass
a	5700	Ant1	4.39	0	4.39	11	Pass
a	5745	Ant1	0.13	0	0.13	30	Pass
a	5825	Ant1	-0.84	0	-0.84	30	Pass
n20	5180	Ant1	2.13	0	2.13	11	Pass
n20	5240	Ant1	1.39	0	1.39	11	Pass
n20	5260	Ant1	1.68	0	1.68	11	Pass
n20	5320	Ant1	3.43	0	3.43	11	Pass
n20	5500	Ant1	2.58	0	2.58	11	Pass
n20	5700	Ant1	4.55	0	4.55	11	Pass
n20	5745	Ant1	0.02	0	0.02	30	Pass
n20	5825	Ant1	-0.74	0	-0.74	30	Pass
n40	5190	Ant1	-2.38	0	-2.38	11	Pass
n40	5230	Ant1	-2.44	0	-2.44	11	Pass
n40	5270	Ant1	-2.09	0	-2.09	11	Pass
n40	5310	Ant1	-1.39	0	-1.39	11	Pass
n40	5510	Ant1	-2.09	0	-2.09	11	Pass
n40	5670	Ant1	0.25	0	0.25	11	Pass
n40	5755	Ant1	-4.41	0	-4.41	30	Pass
n40	5795	Ant1	-4.71	0	-4.71	30	Pass
ac20	5180	Ant1	0.88	0	0.88	11	Pass
ac20	5240	Ant1	0.63	0	0.63	11	Pass
ac20	5260	Ant1	0.96	0	0.96	11	Pass
ac20	5320	Ant1	2.57	0	2.57	11	Pass
ac20	5500	Ant1	1.66	0	1.66	11	Pass
ac20	5700	Ant1	3.57	0	3.57	11	Pass
ac20	5745	Ant1	-0.68	0	-0.68	30	Pass
ac20	5825	Ant1	-1.81	0	-1.81	30	Pass
ac40	5190	Ant1	-2.24	0	-2.24	11	Pass
ac40	5230	Ant1	-2.12	0	-2.12	11	Pass
ac40	5270	Ant1	-2.14	0	-2.14	11	Pass
ac40	5310	Ant1	-1.19	0	-1.19	11	Pass
ac40	5510	Ant1	-1.98	0	-1.98	11	Pass
ac40	5670	Ant1	0.38	0	0.38	11	Pass
ac40	5755	Ant1	-4.46	0	-4.46	30	Pass
ac40	5795	Ant1	-5.02	0	-5.02	30	Pass
ac80	5210	Ant1	-5.88	0	-5.88	11	Pass
ac80	5290	Ant1	-4.76	0	-4.76	11	Pass
ac80	5530	Ant1	-4.77	0	-4.77	11	Pass
ac80	5610	Ant1	-3.62	0	-3.62	11	Pass
ac80	5775	Ant1	-7.53	0	-7.53	30	Pass

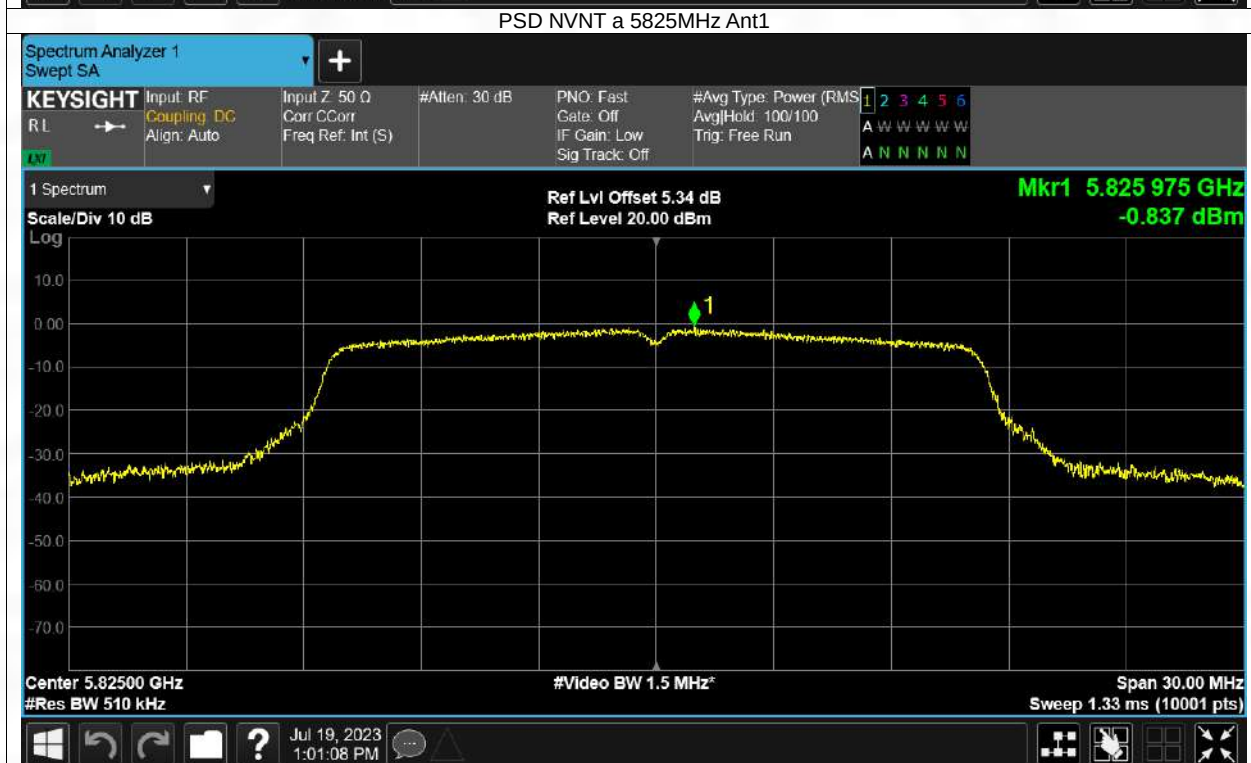
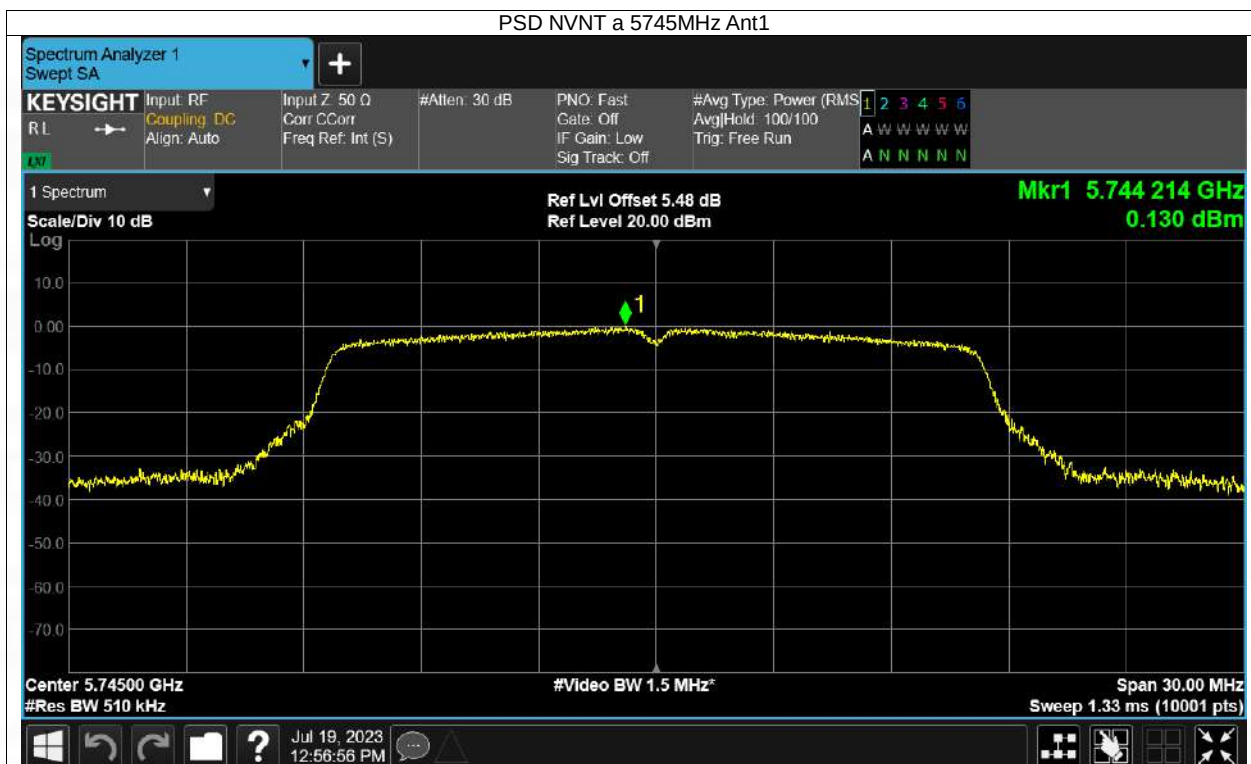
3.1.2 Test Graph

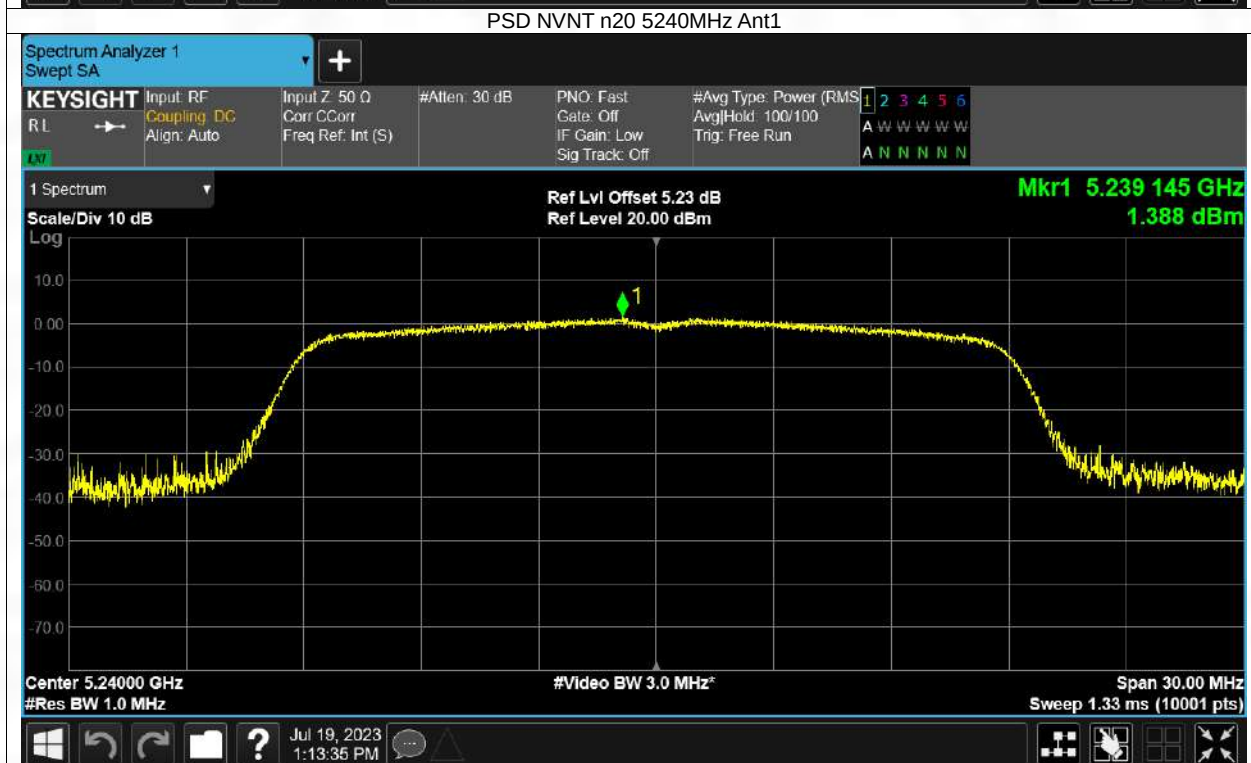
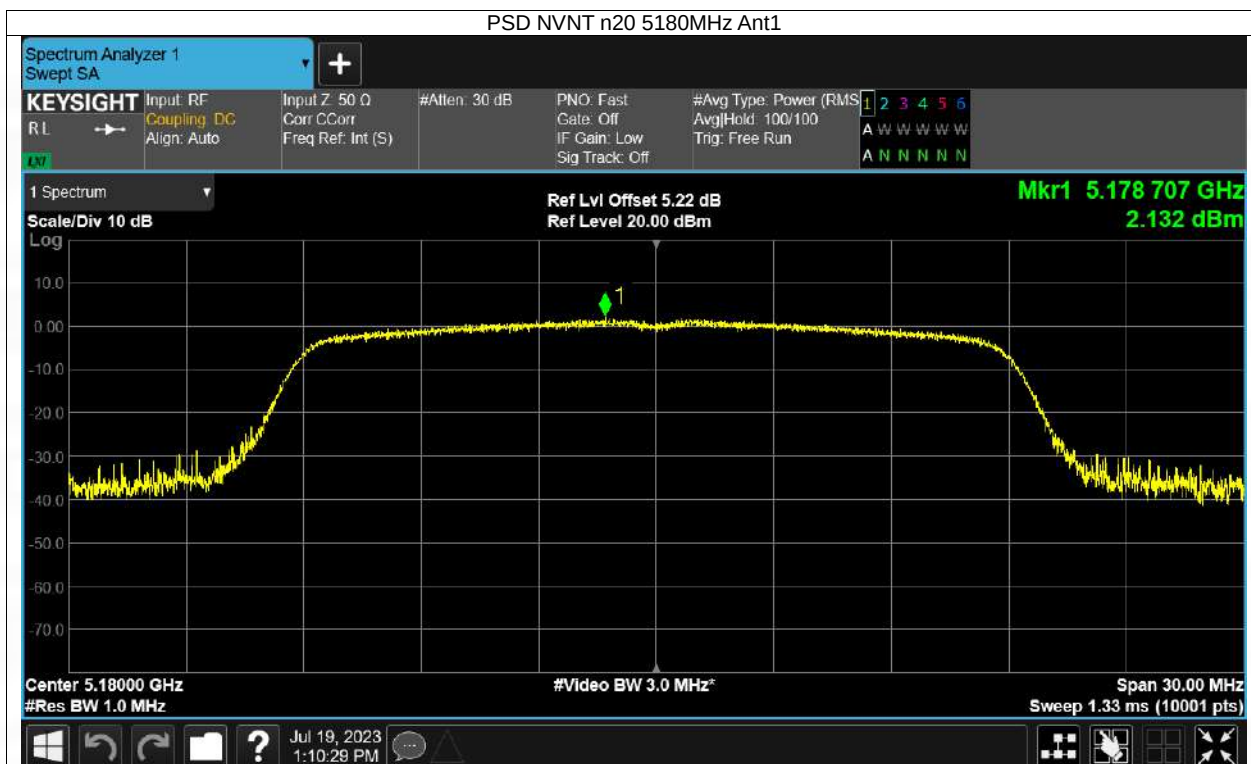
Test Graphs

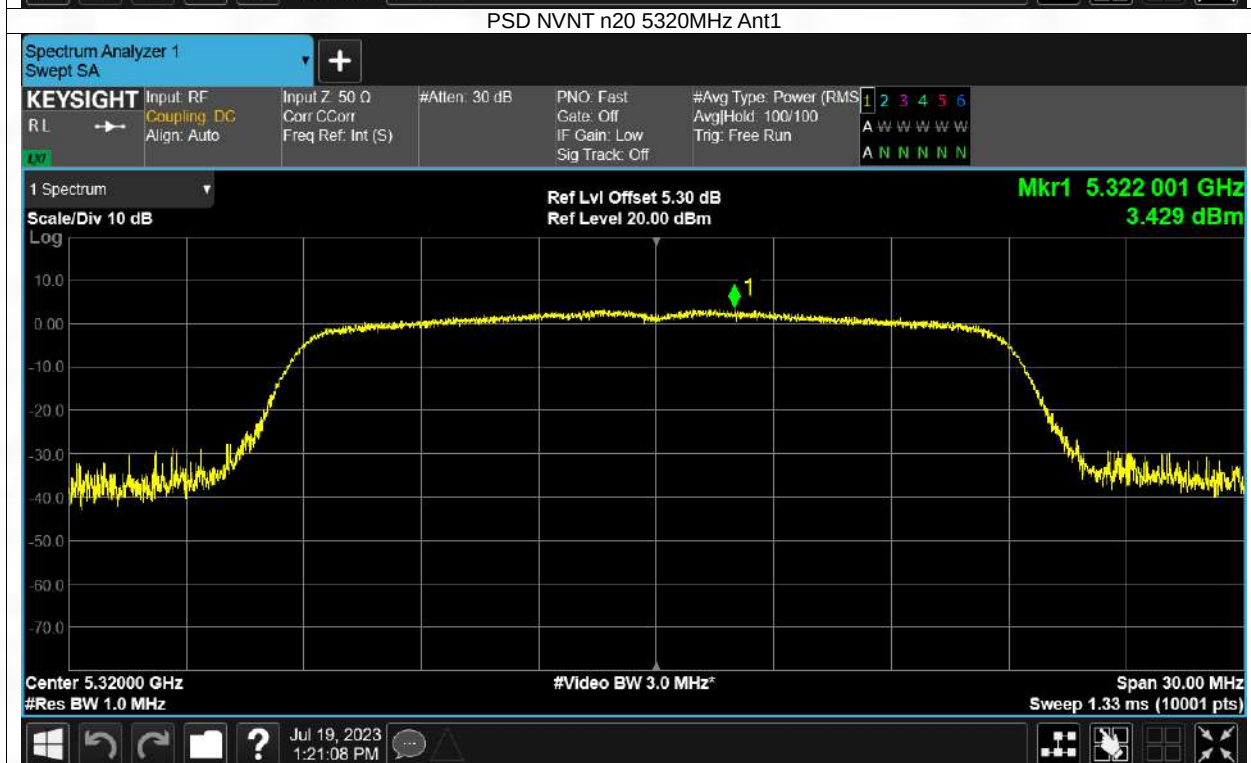
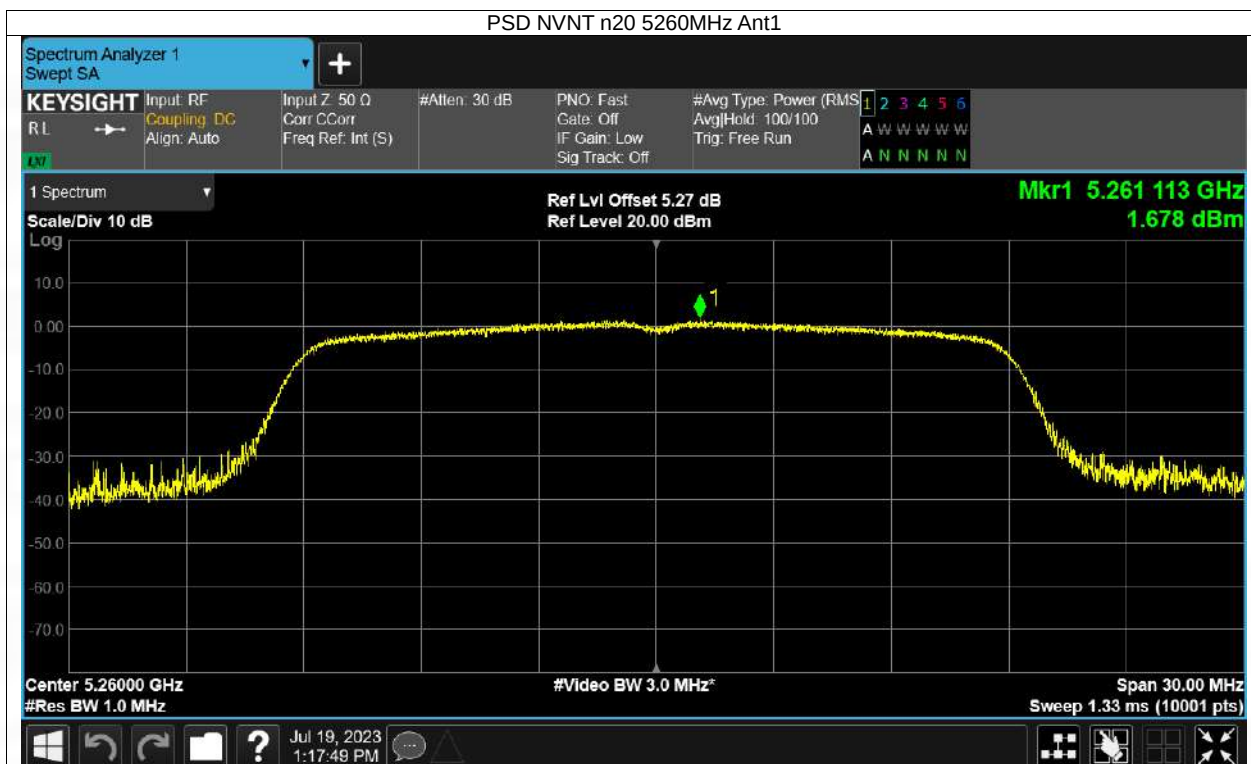


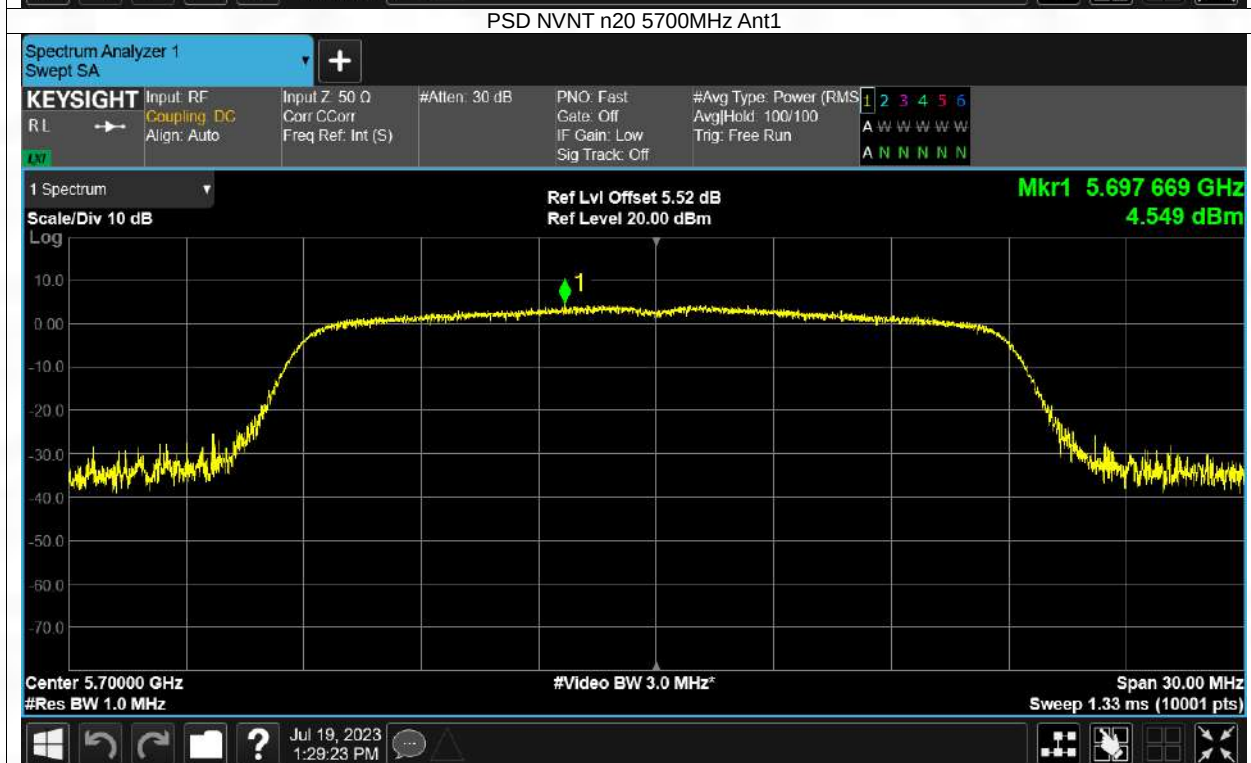
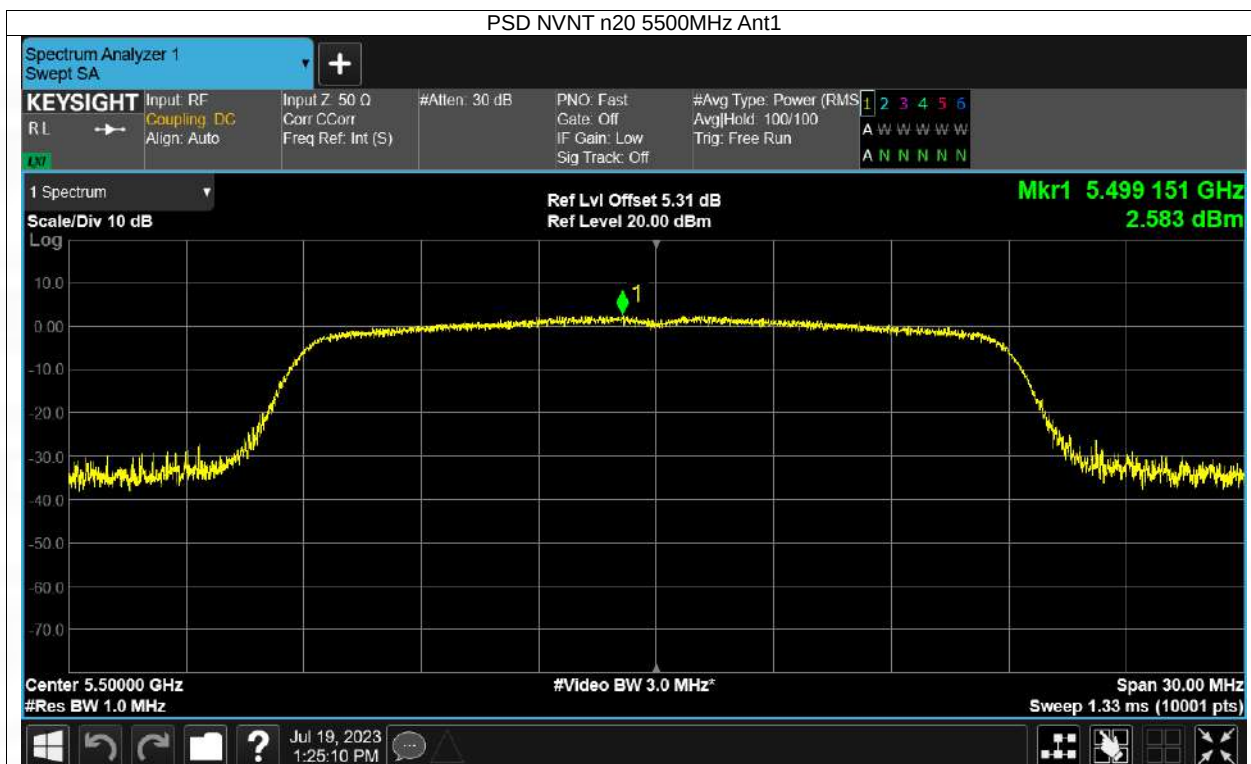


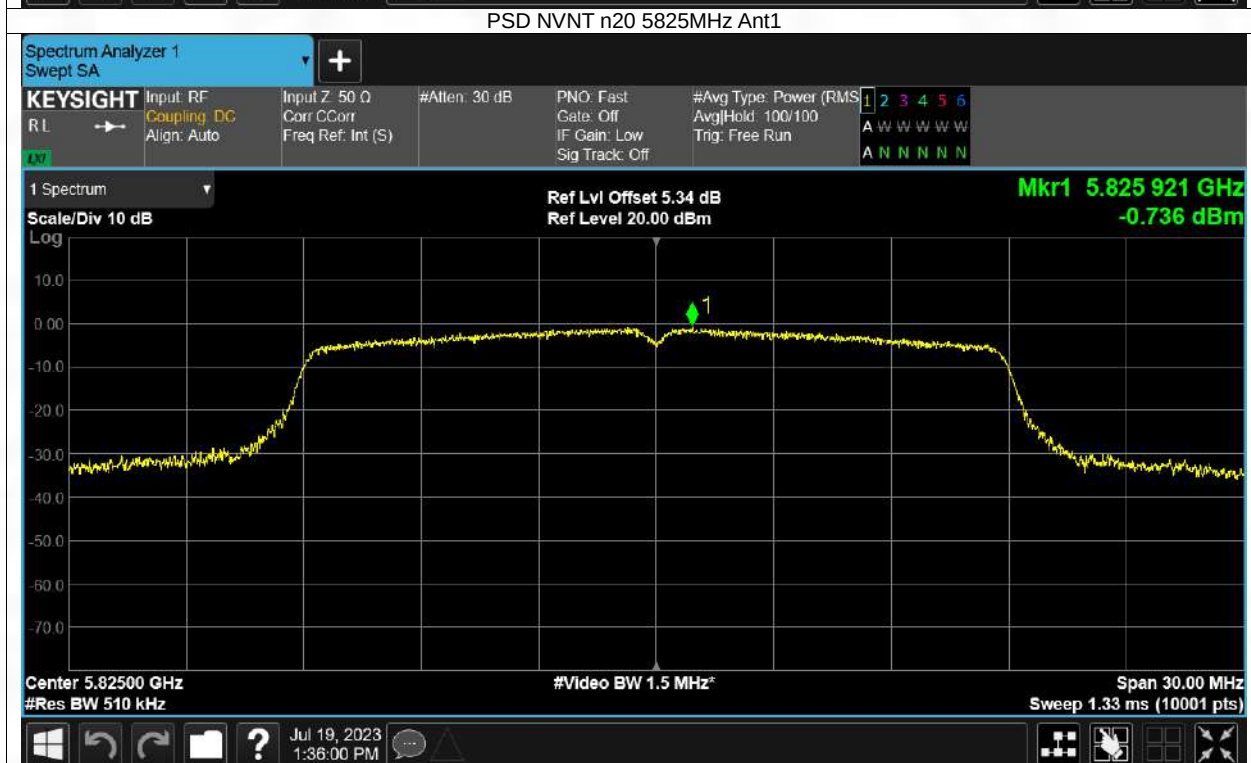
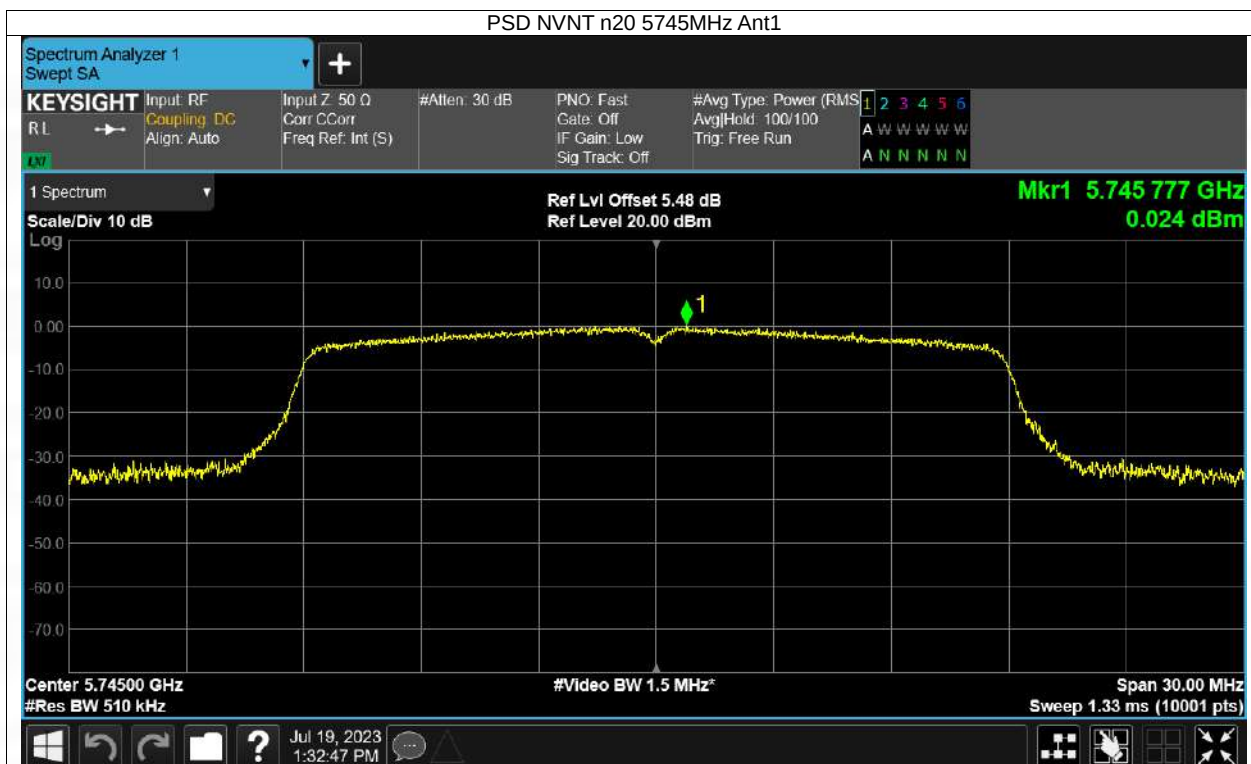


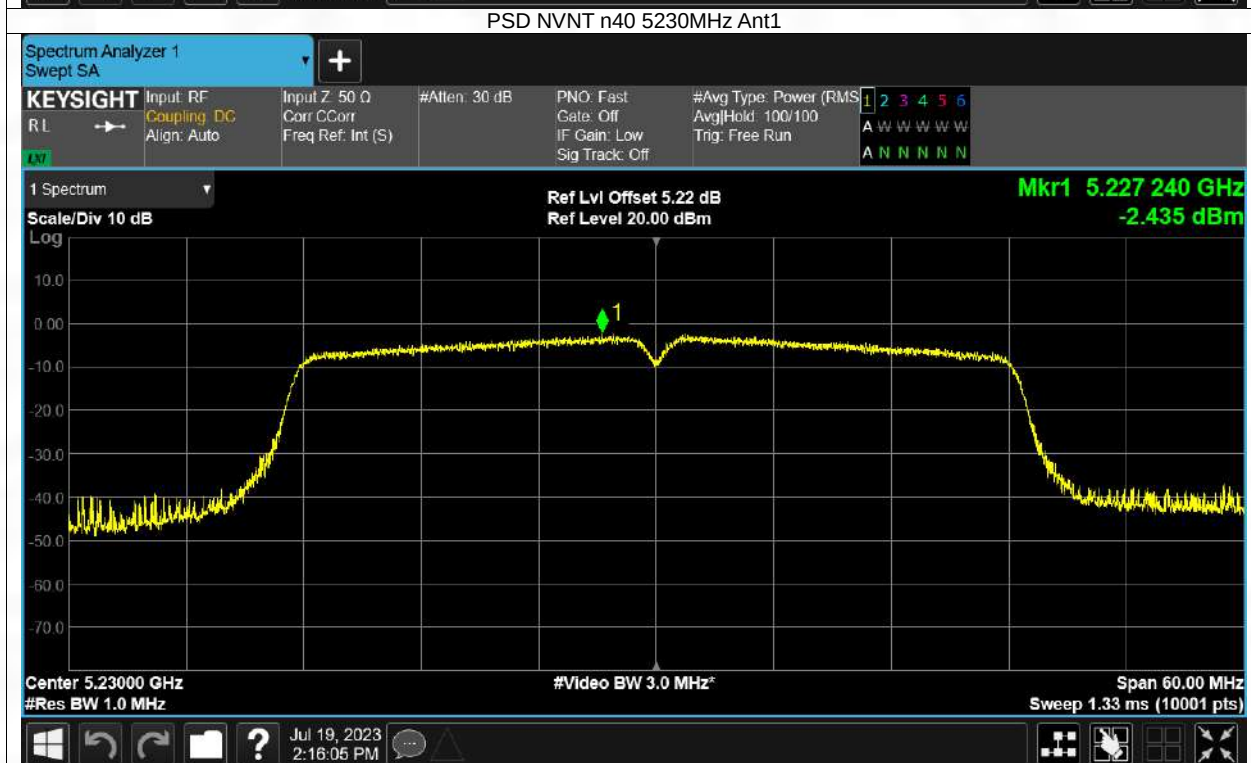
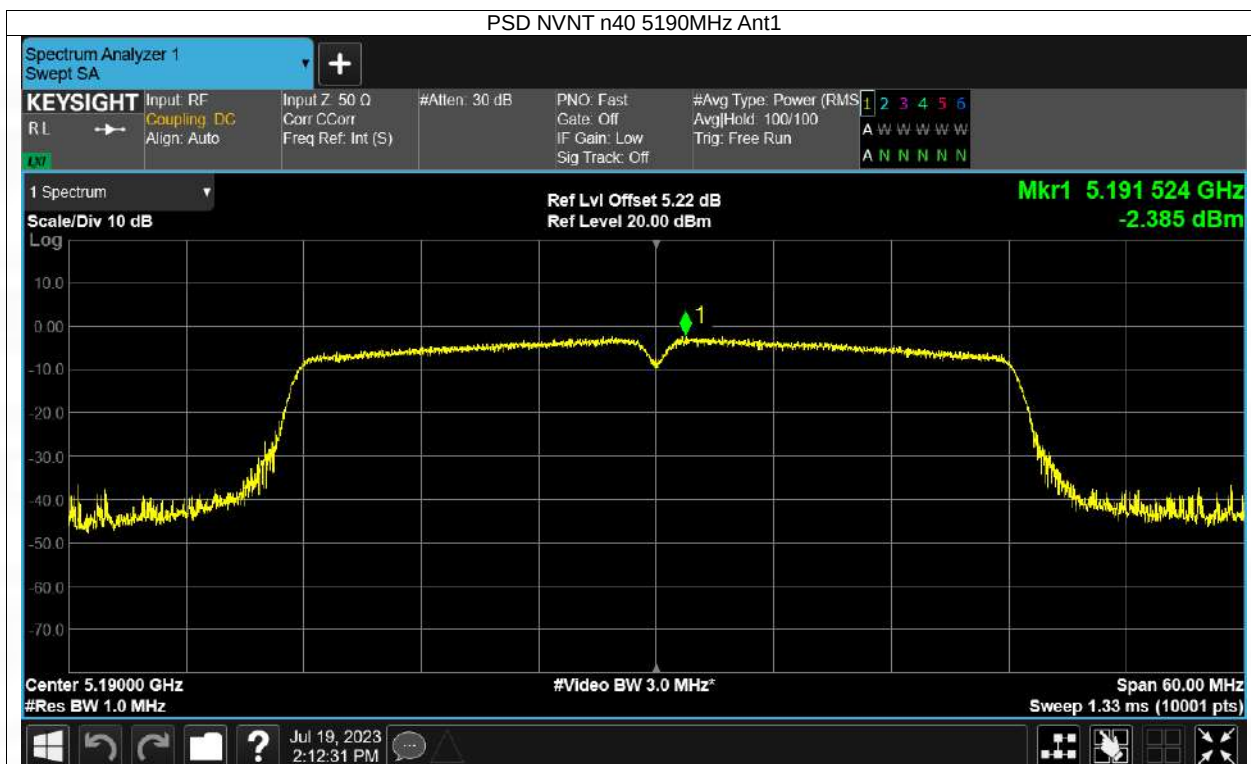


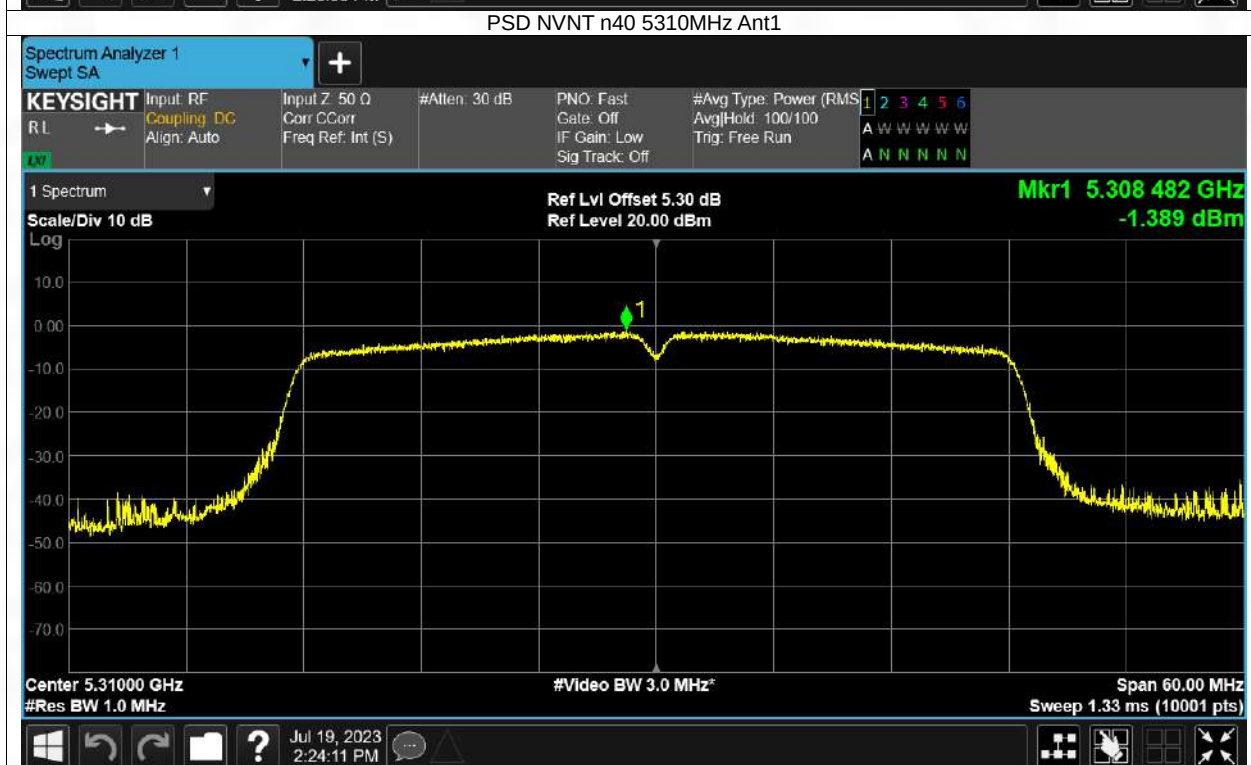
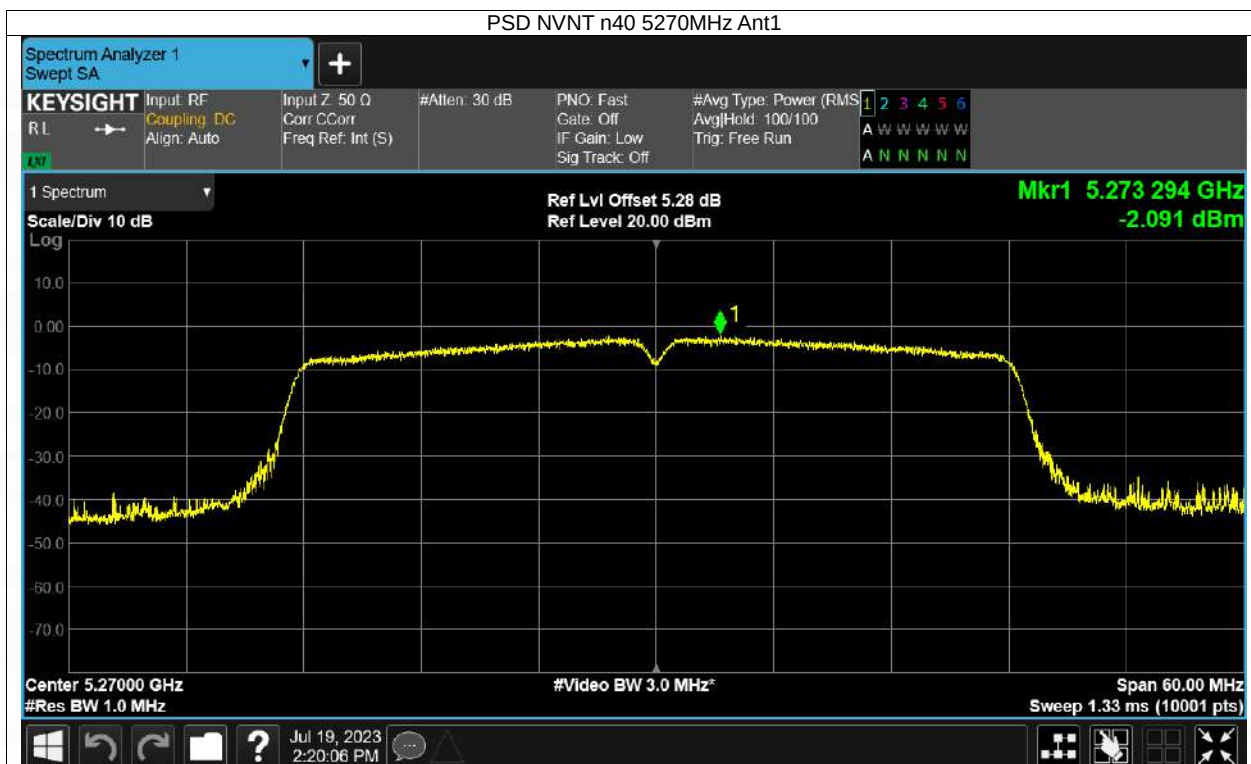


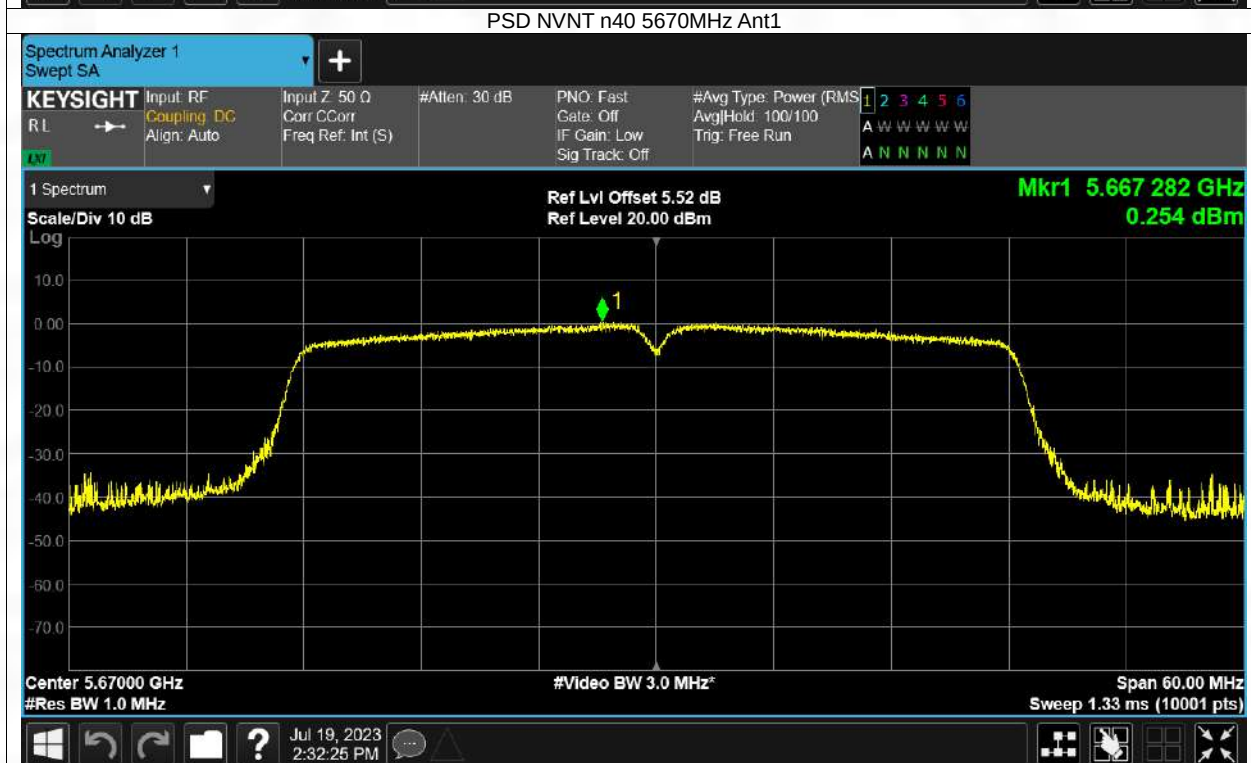
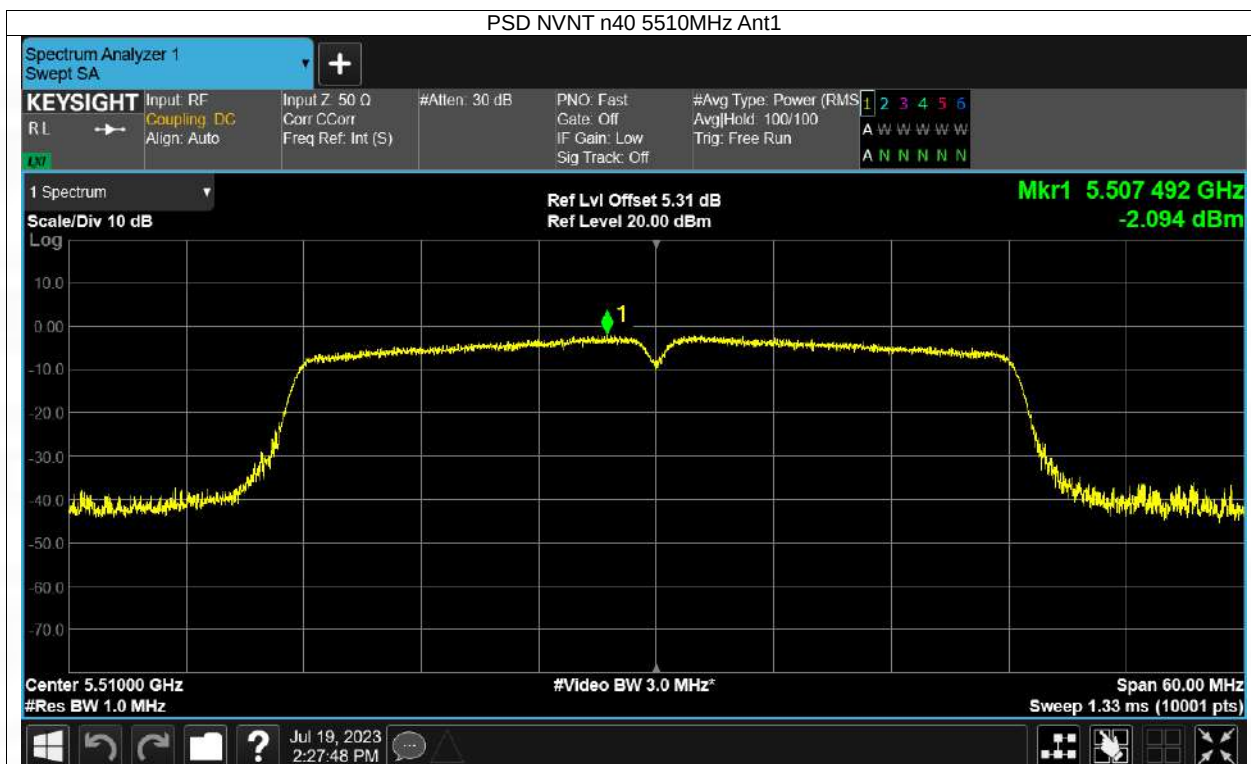


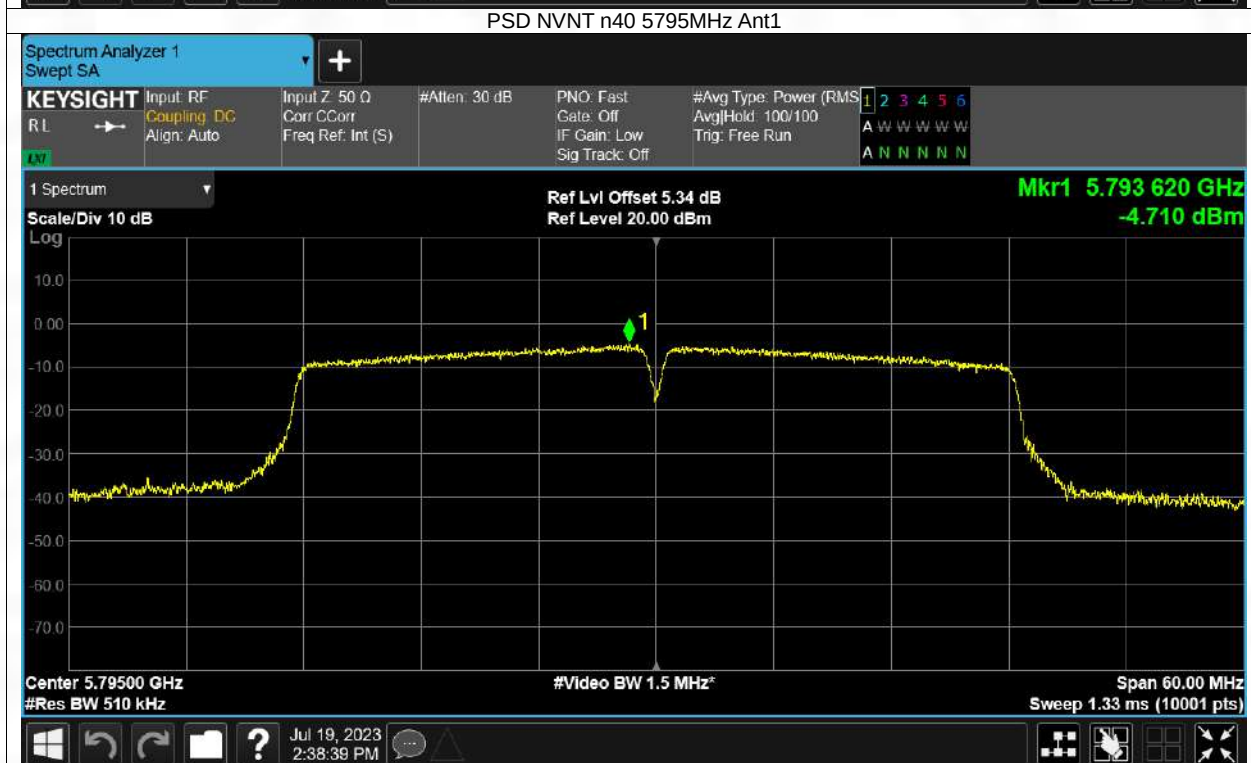
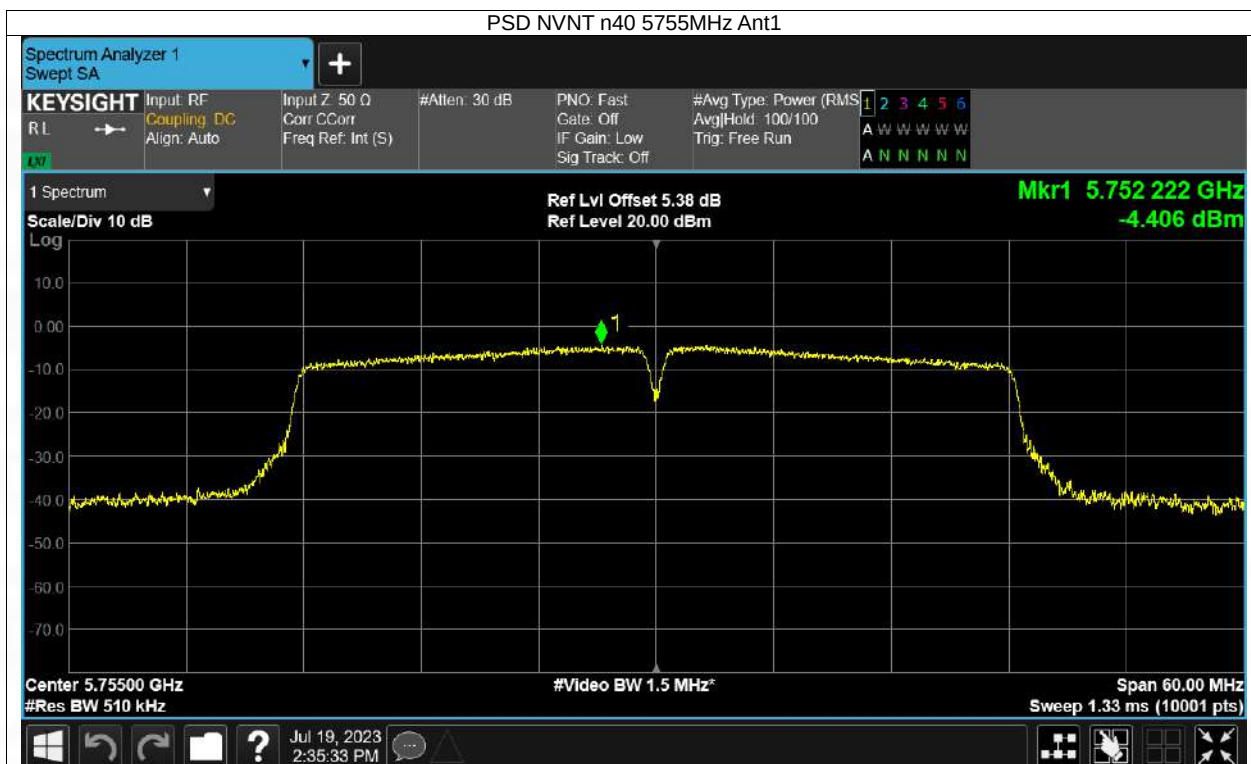


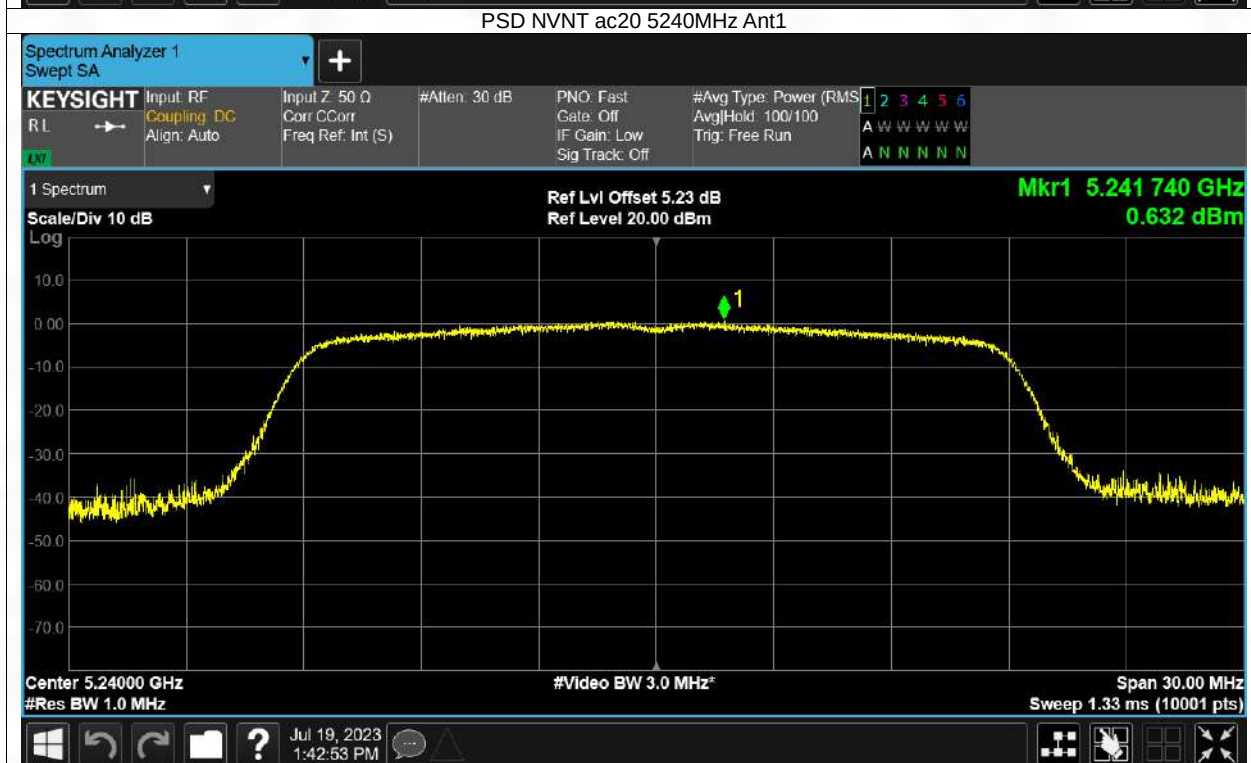
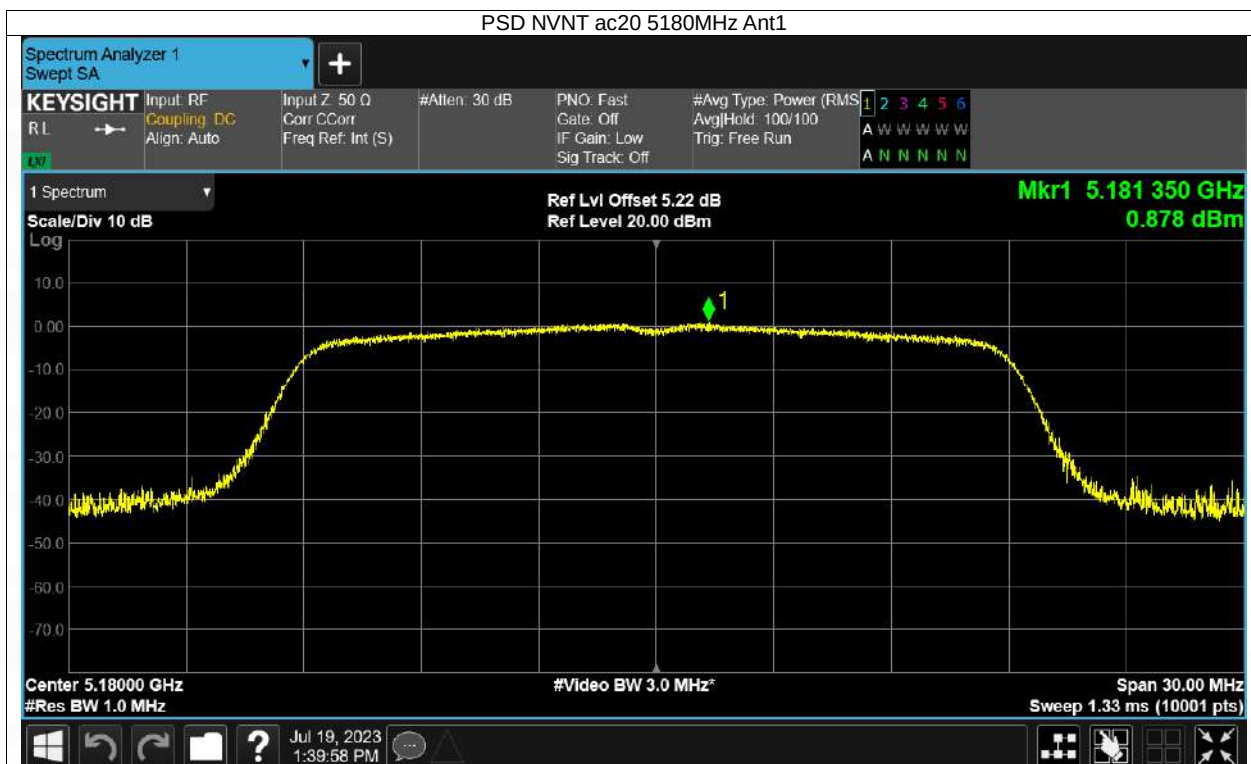


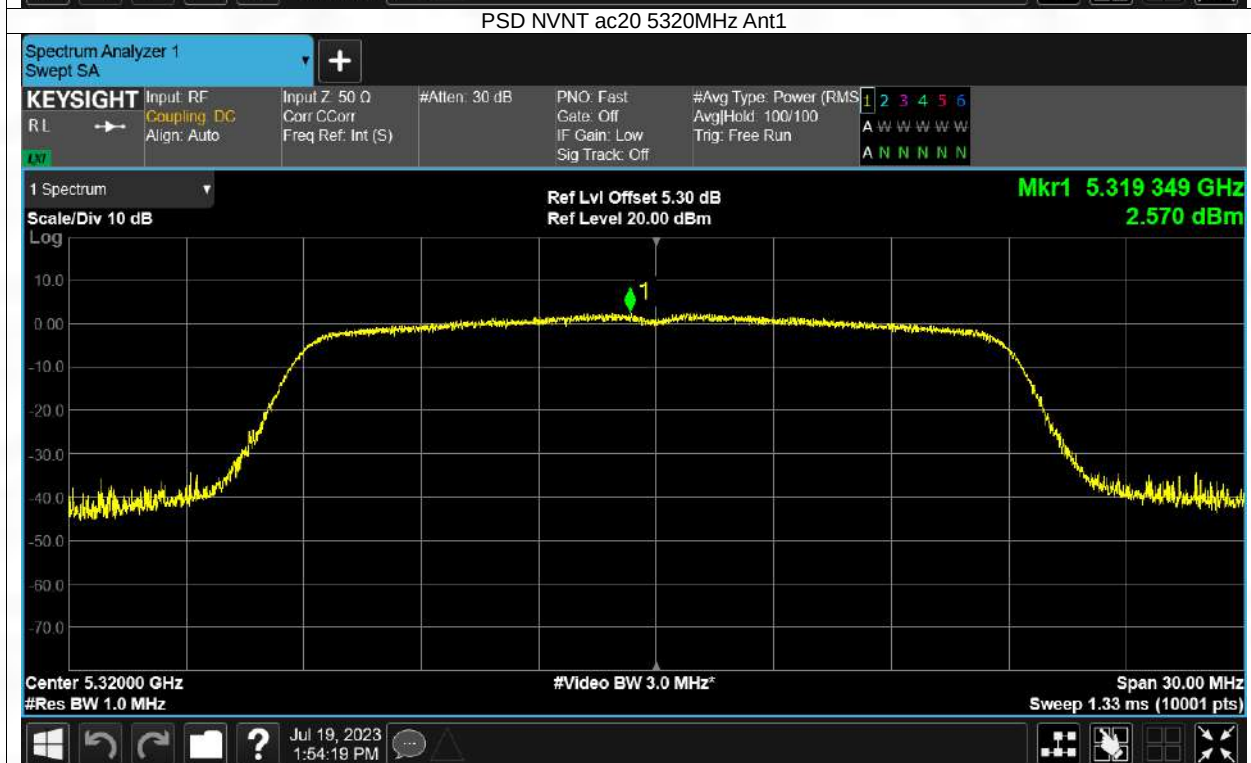
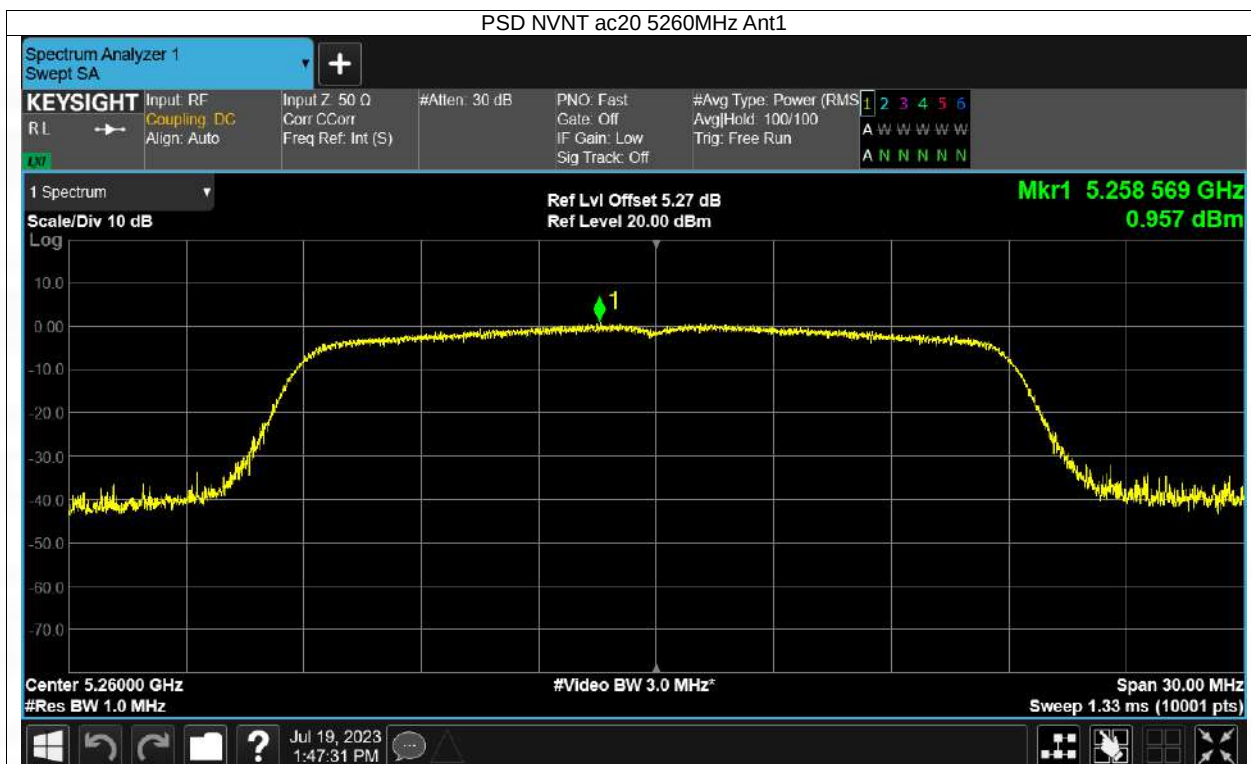


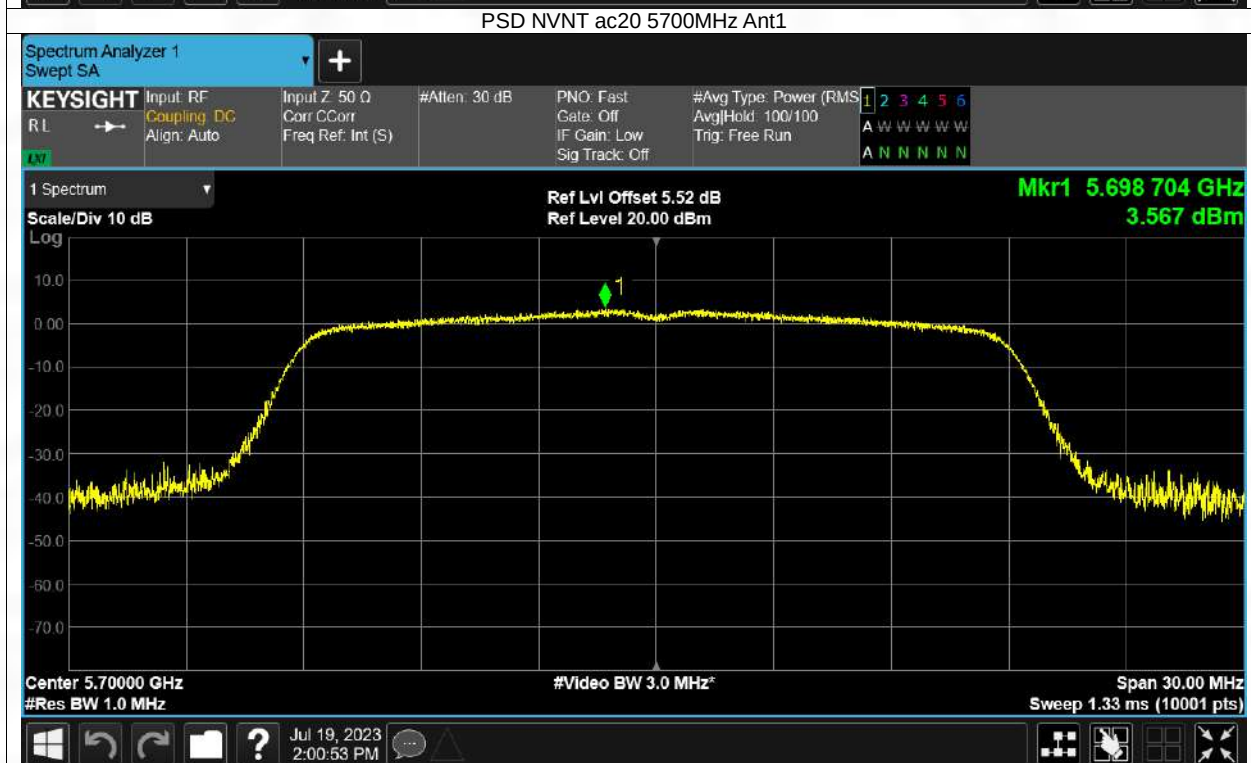
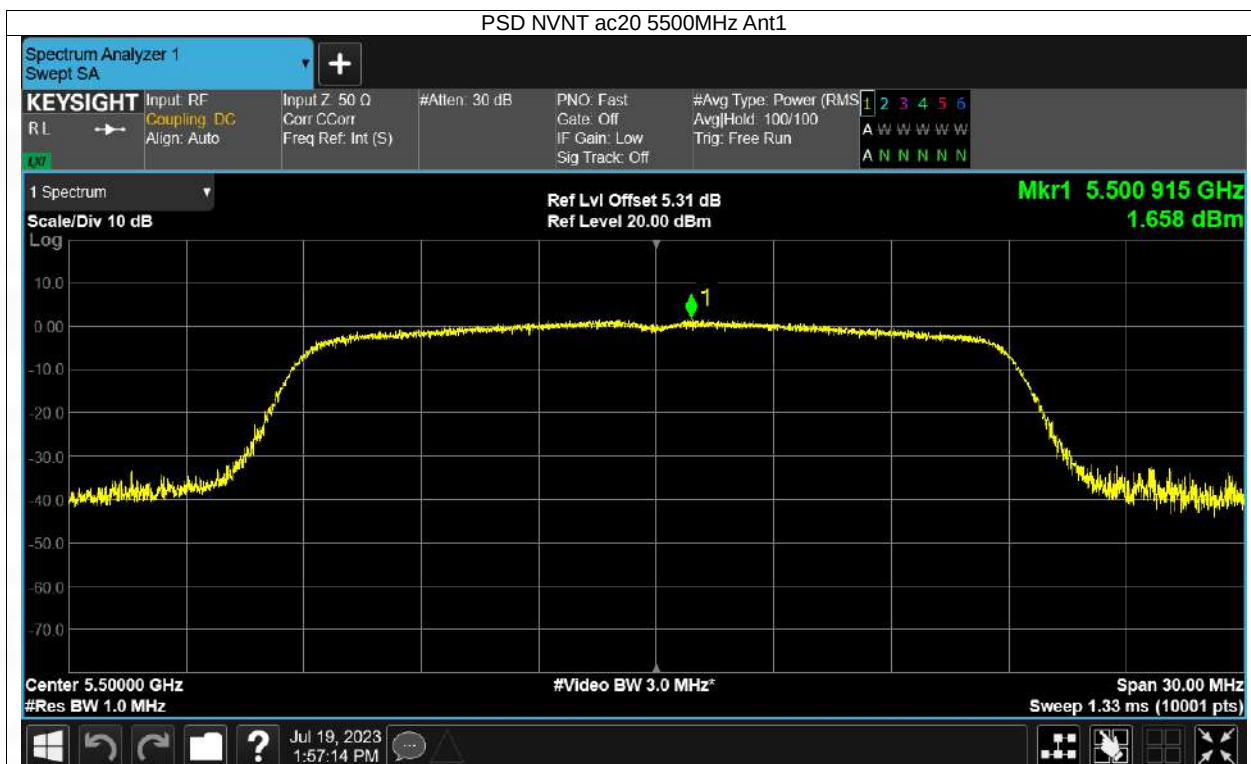


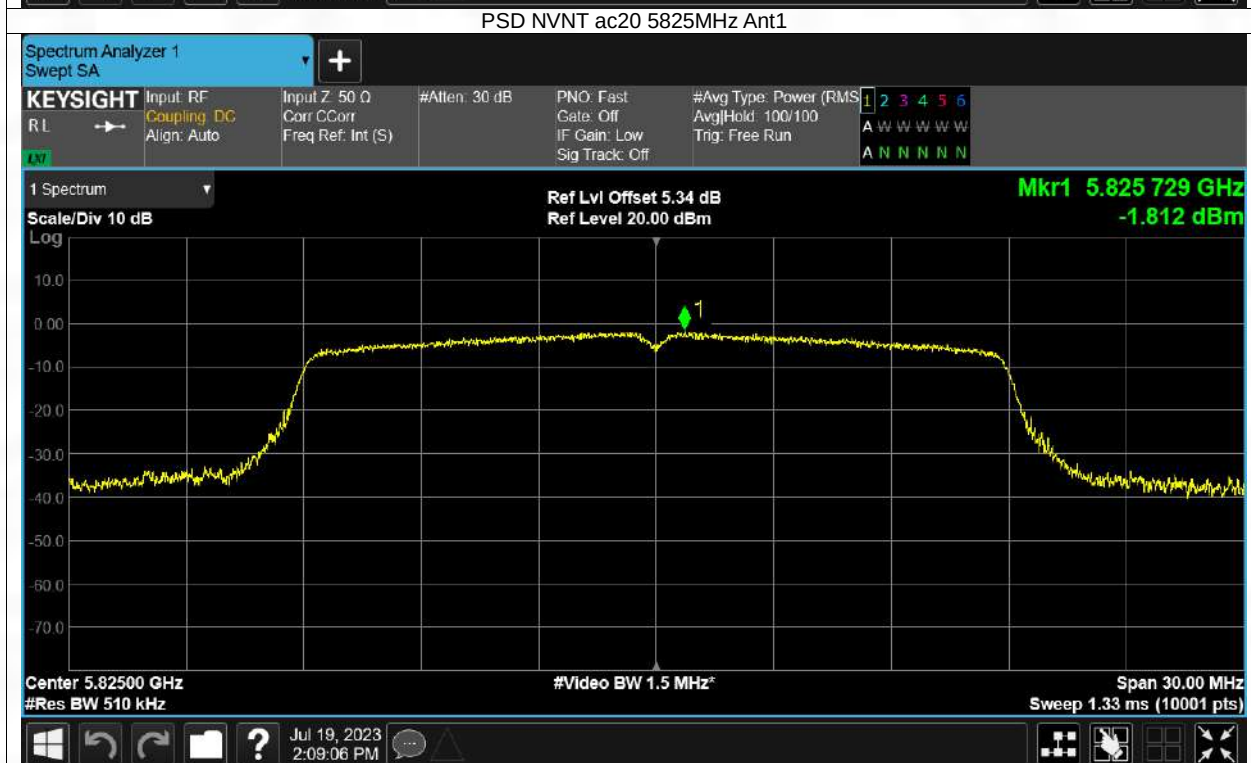
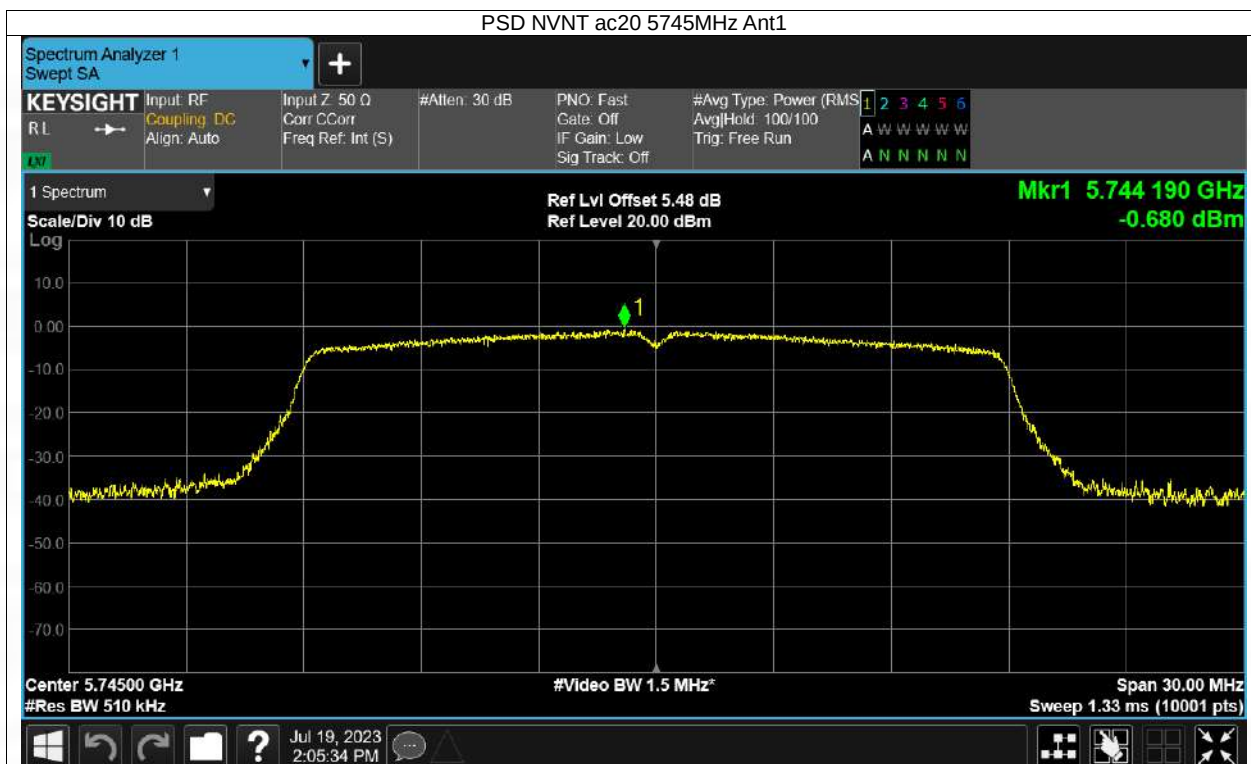


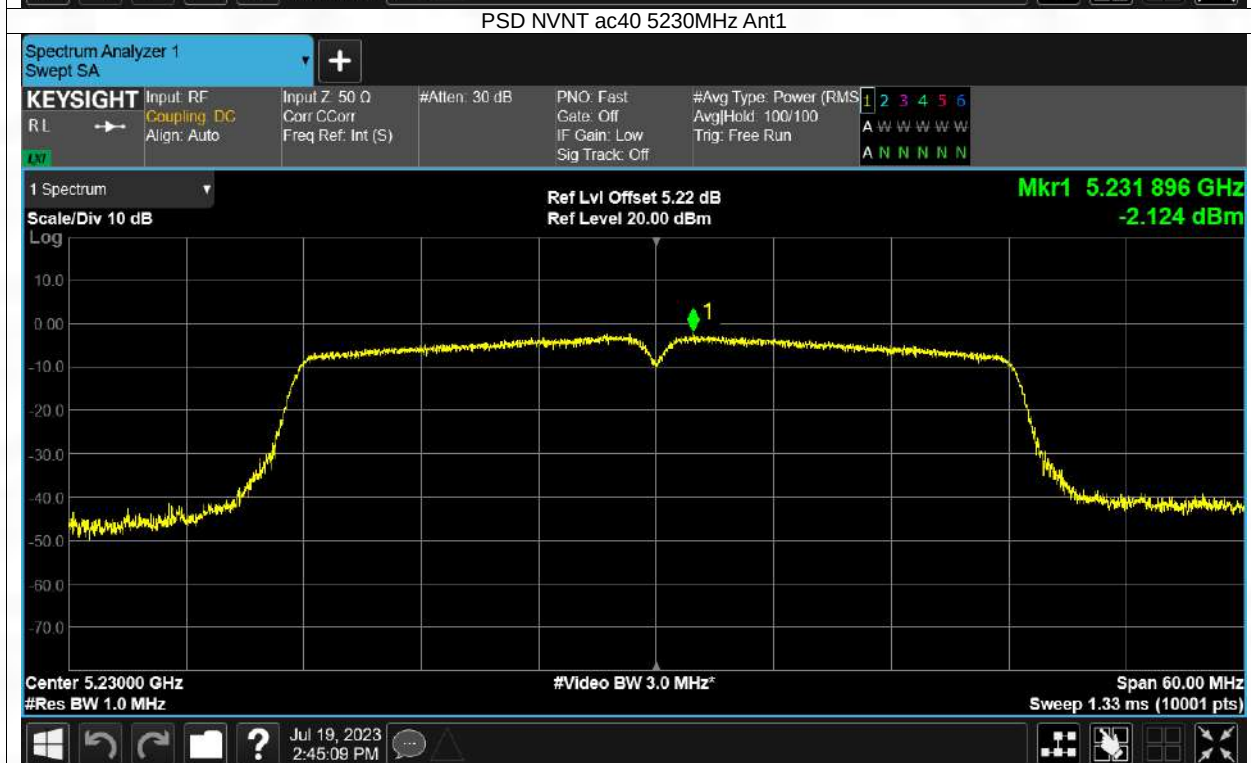
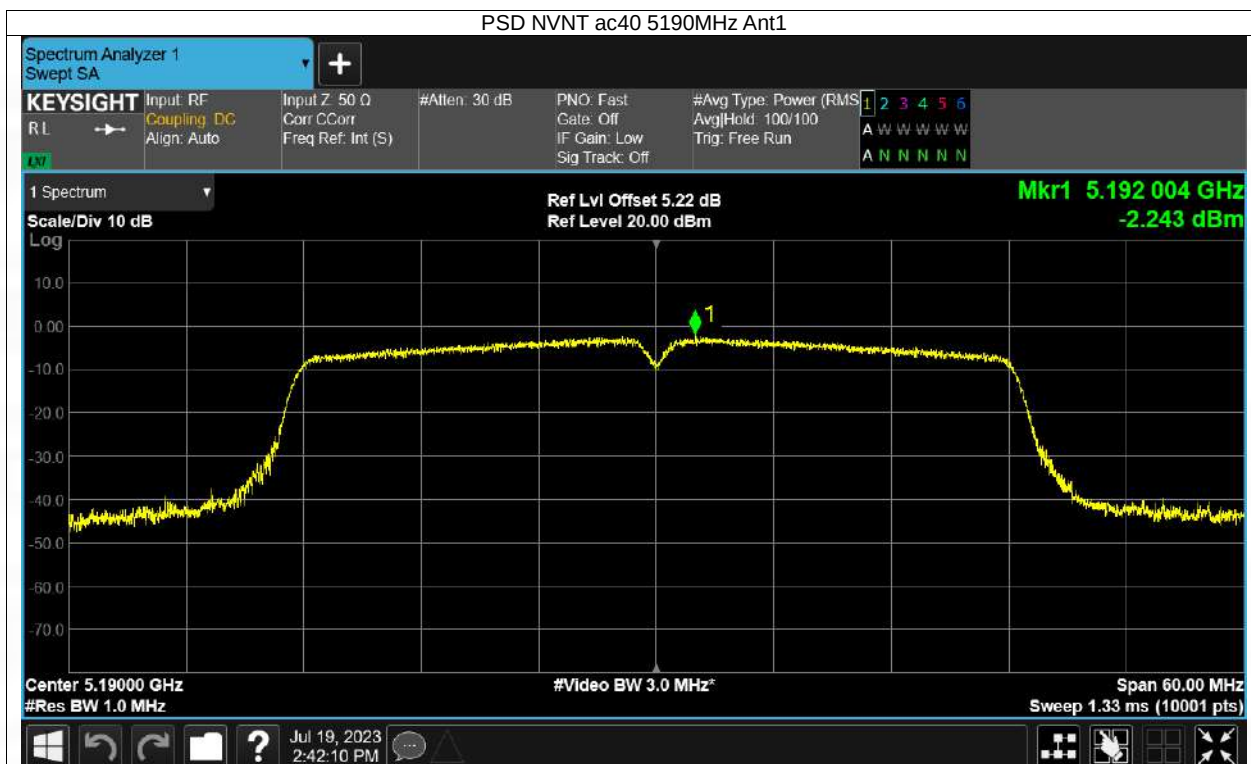


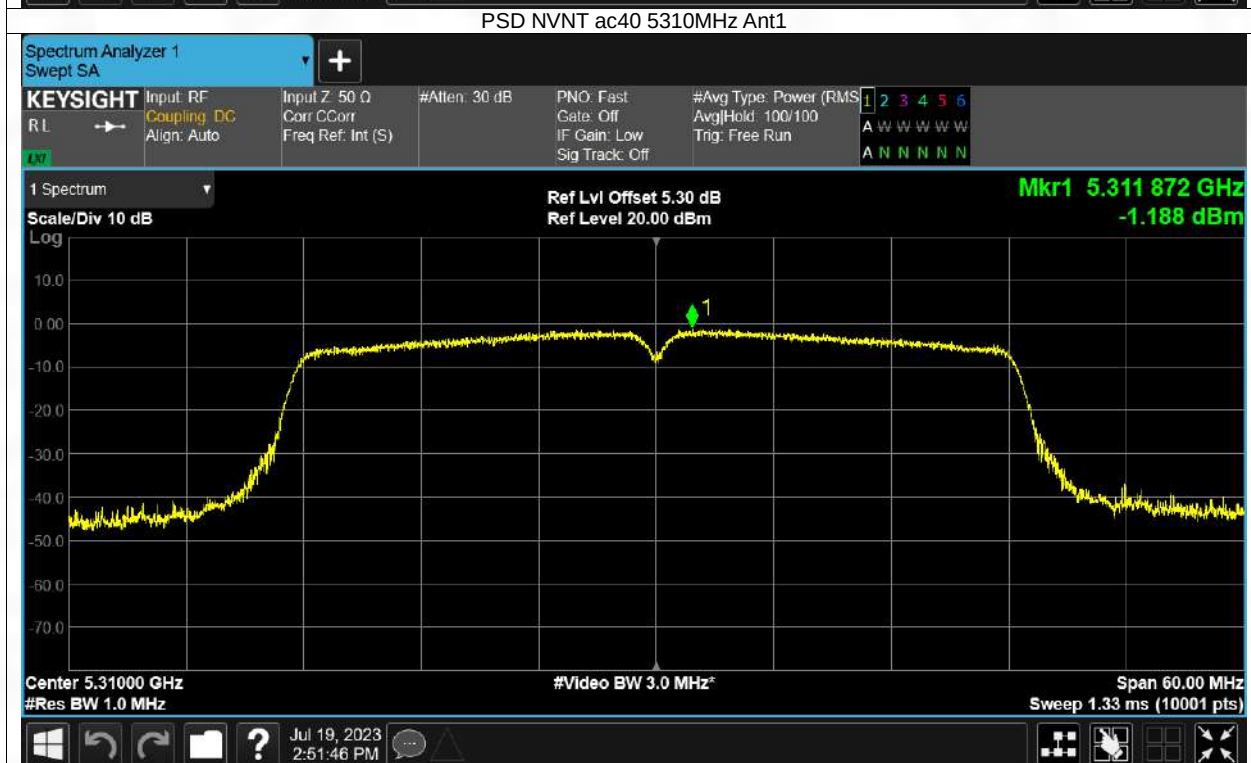
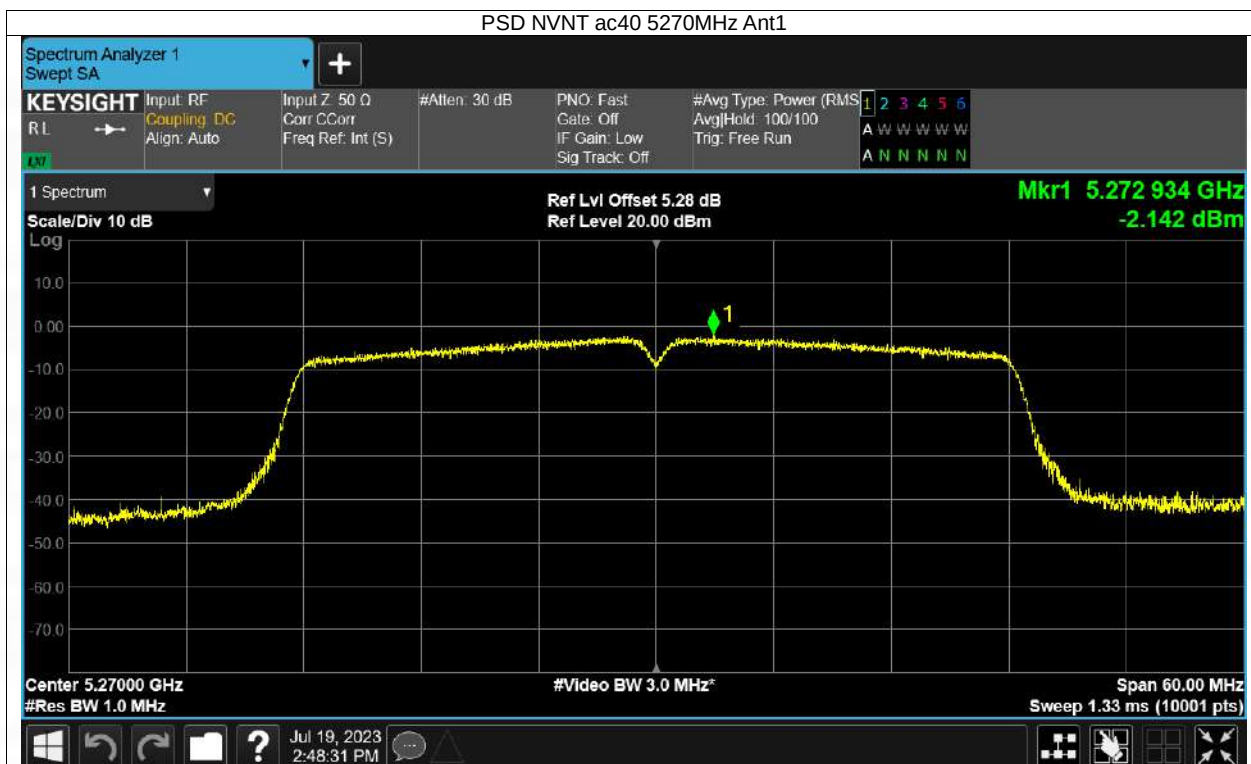


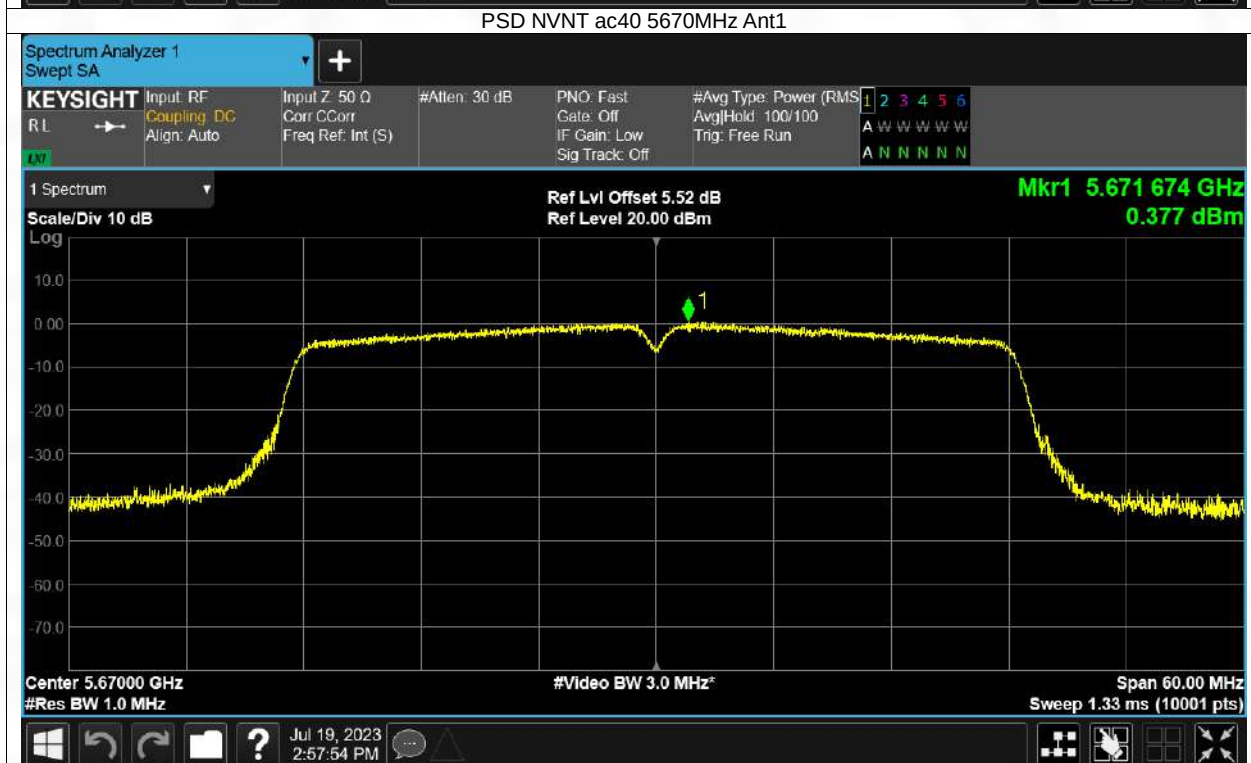
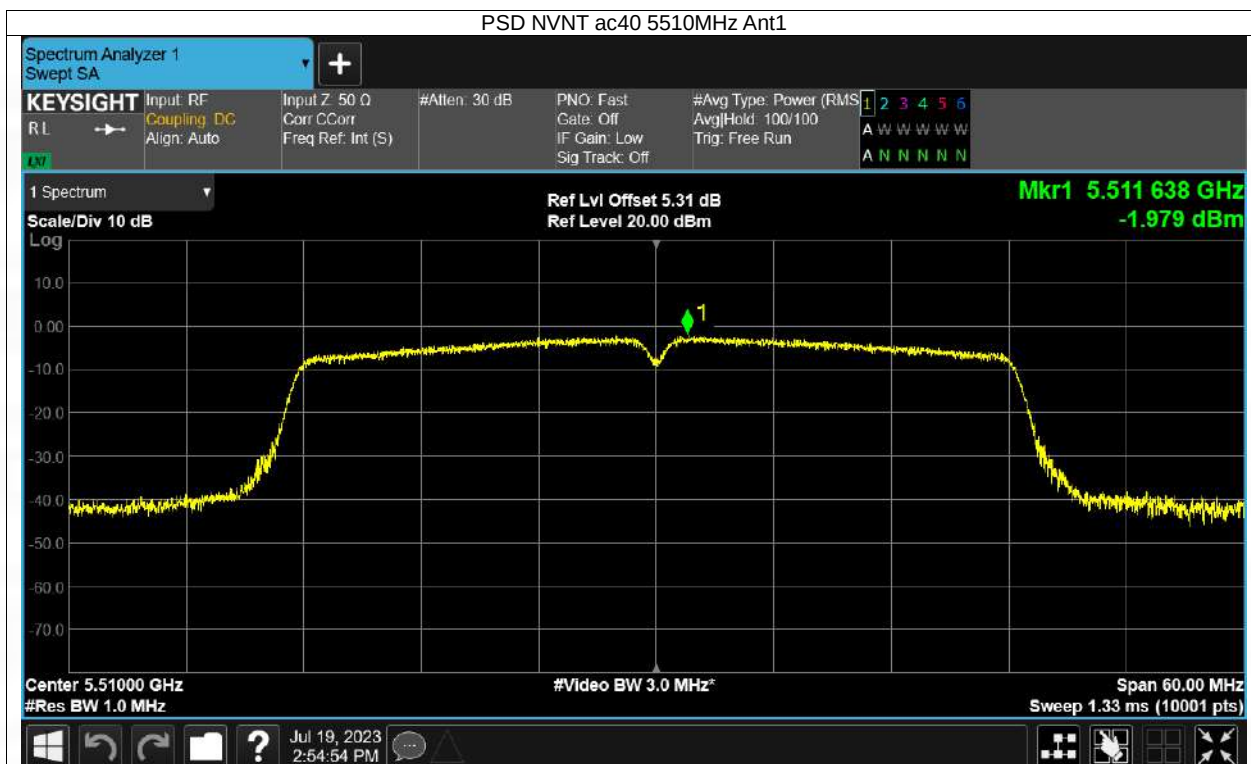


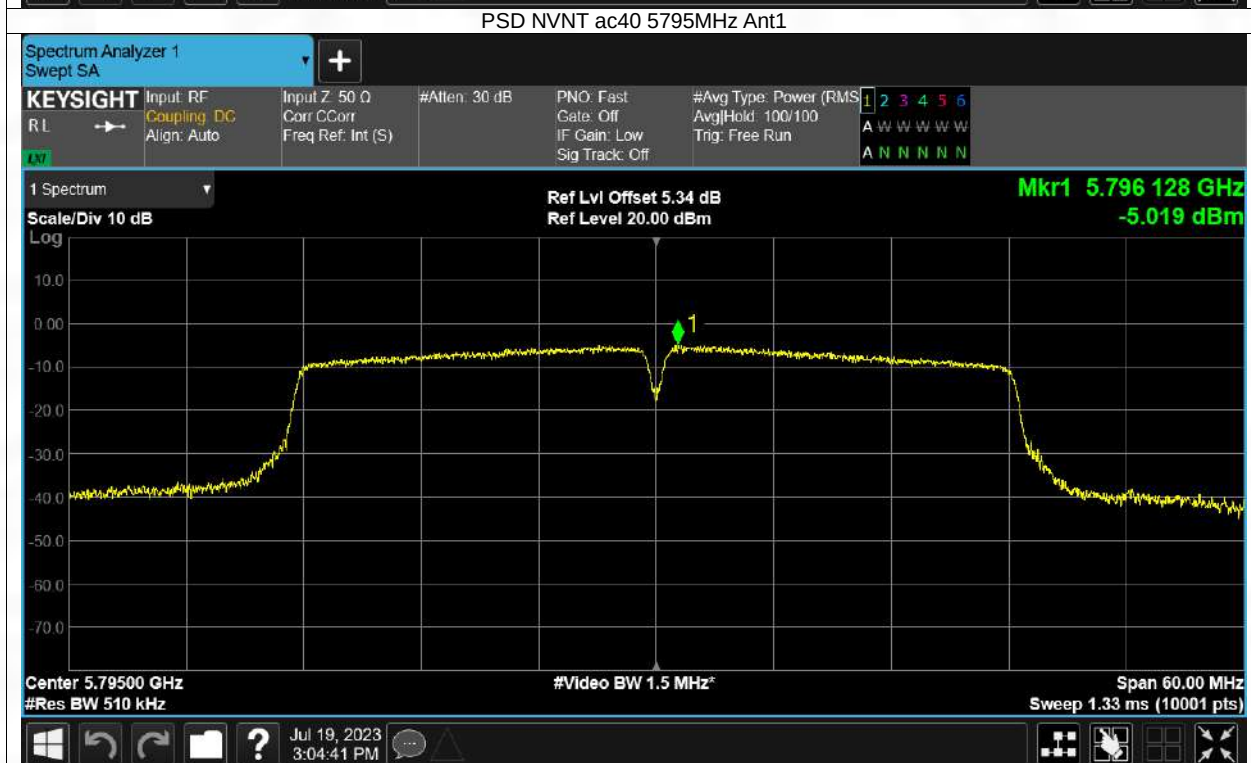
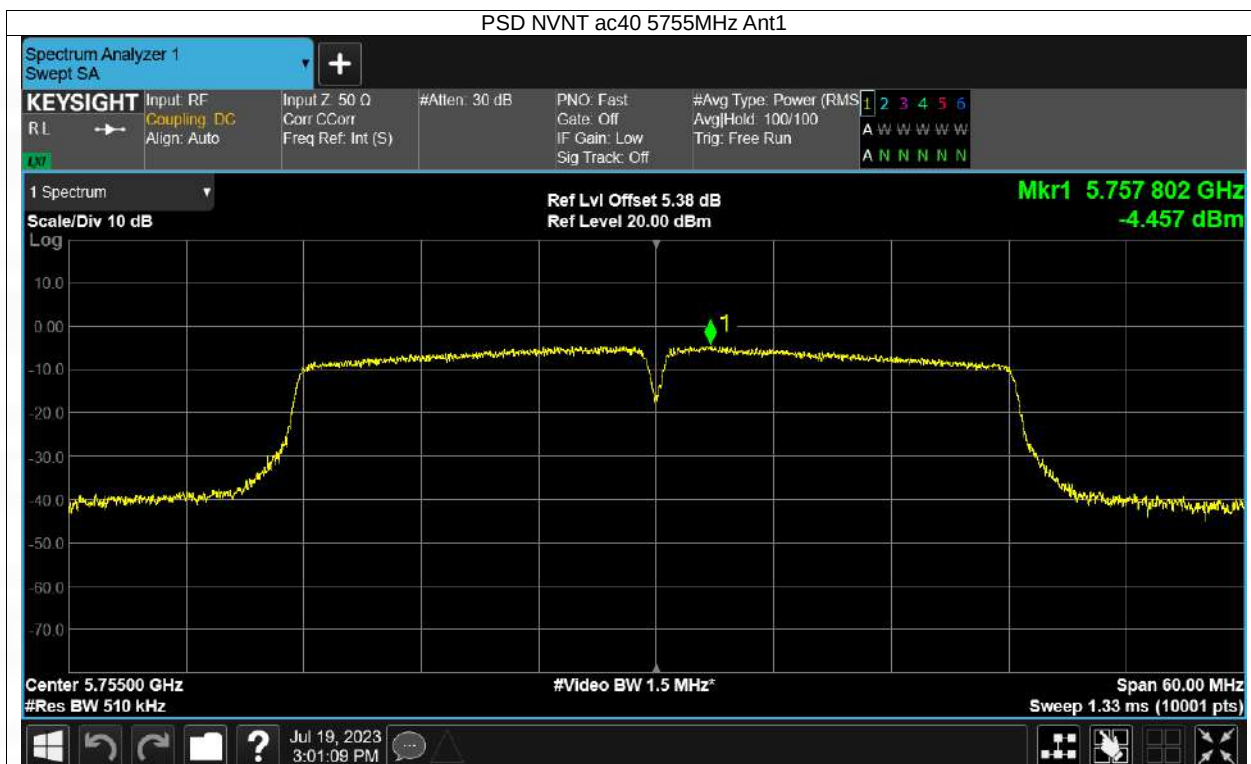


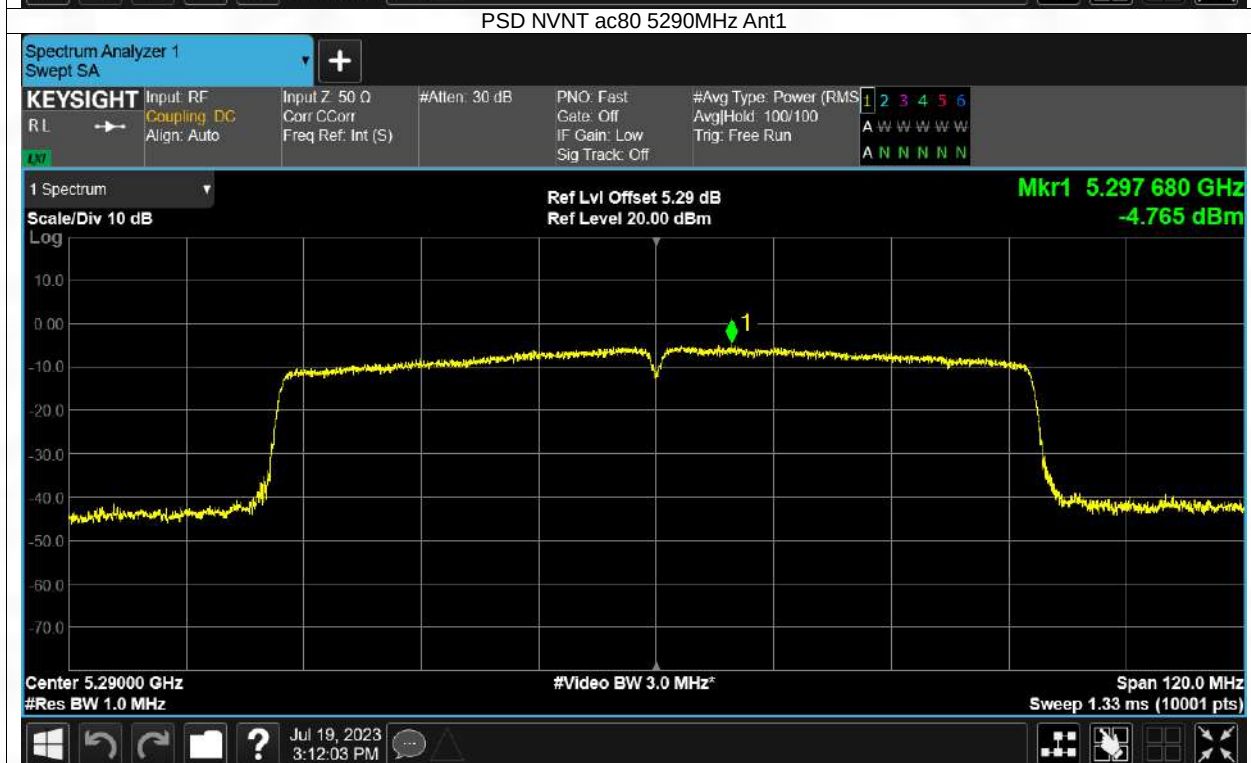
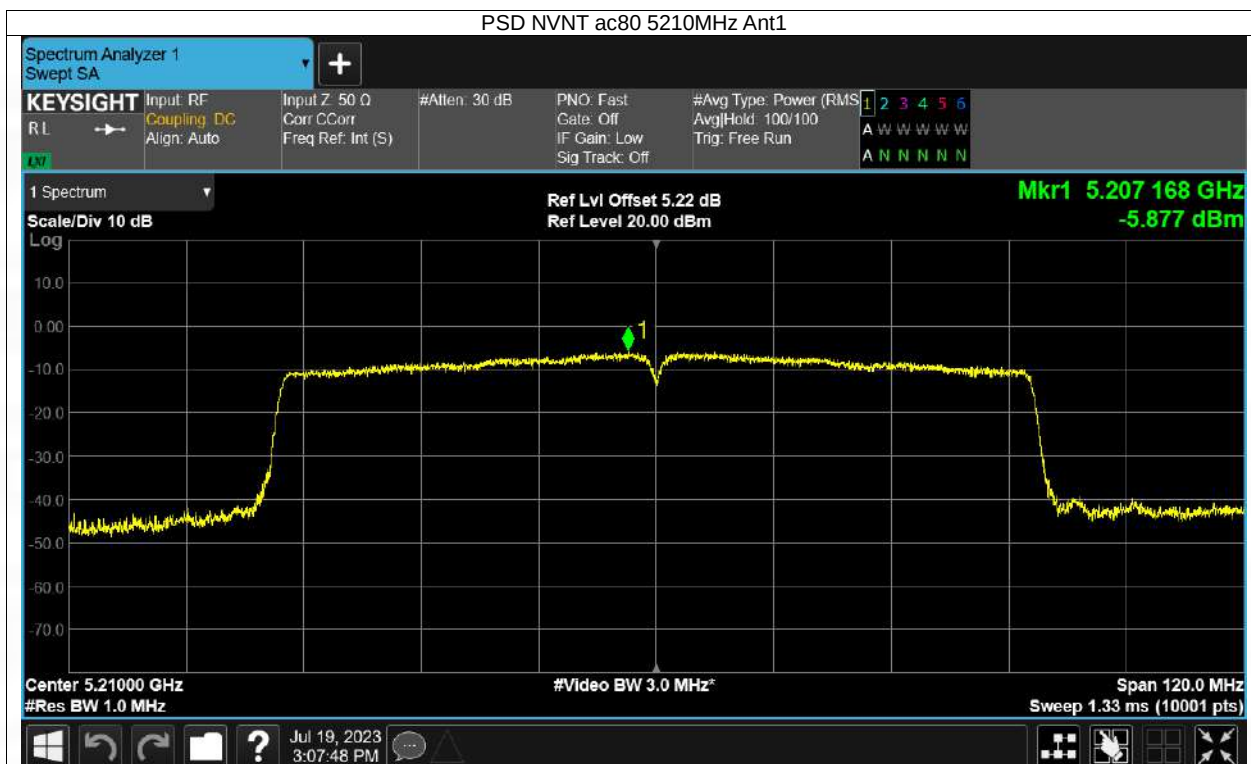


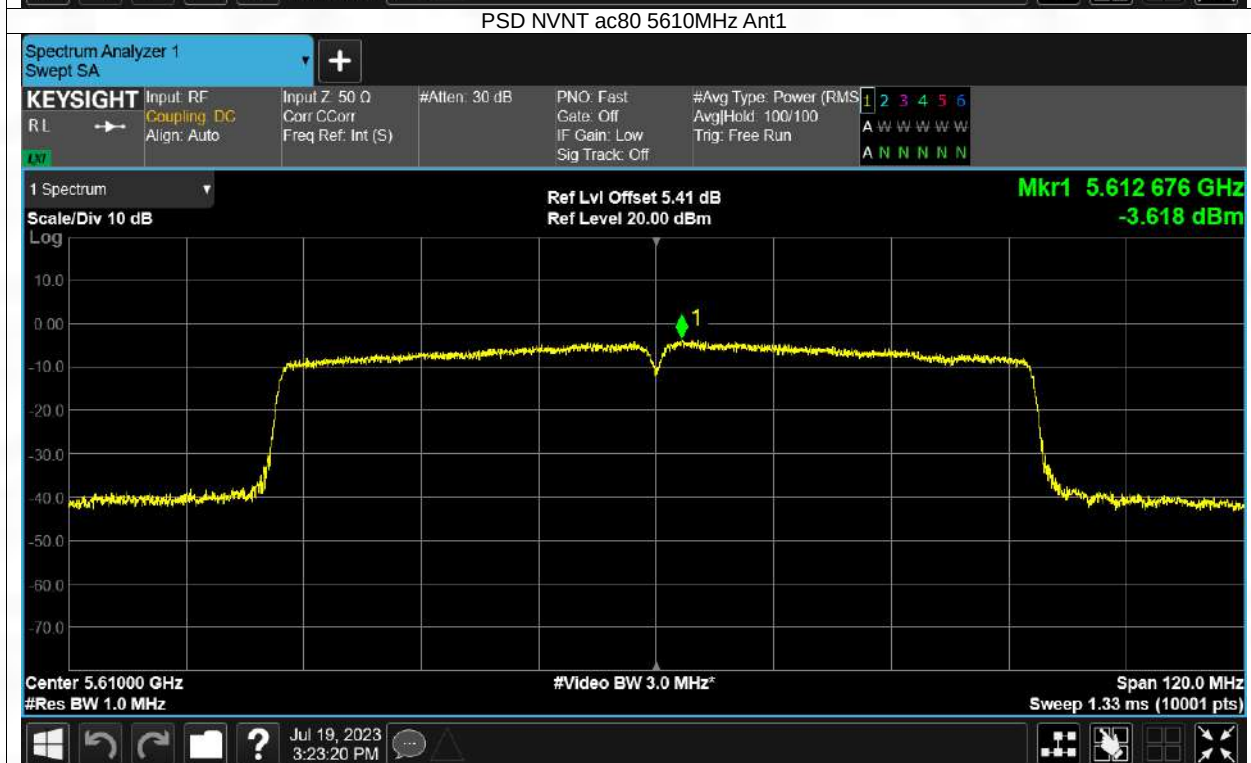
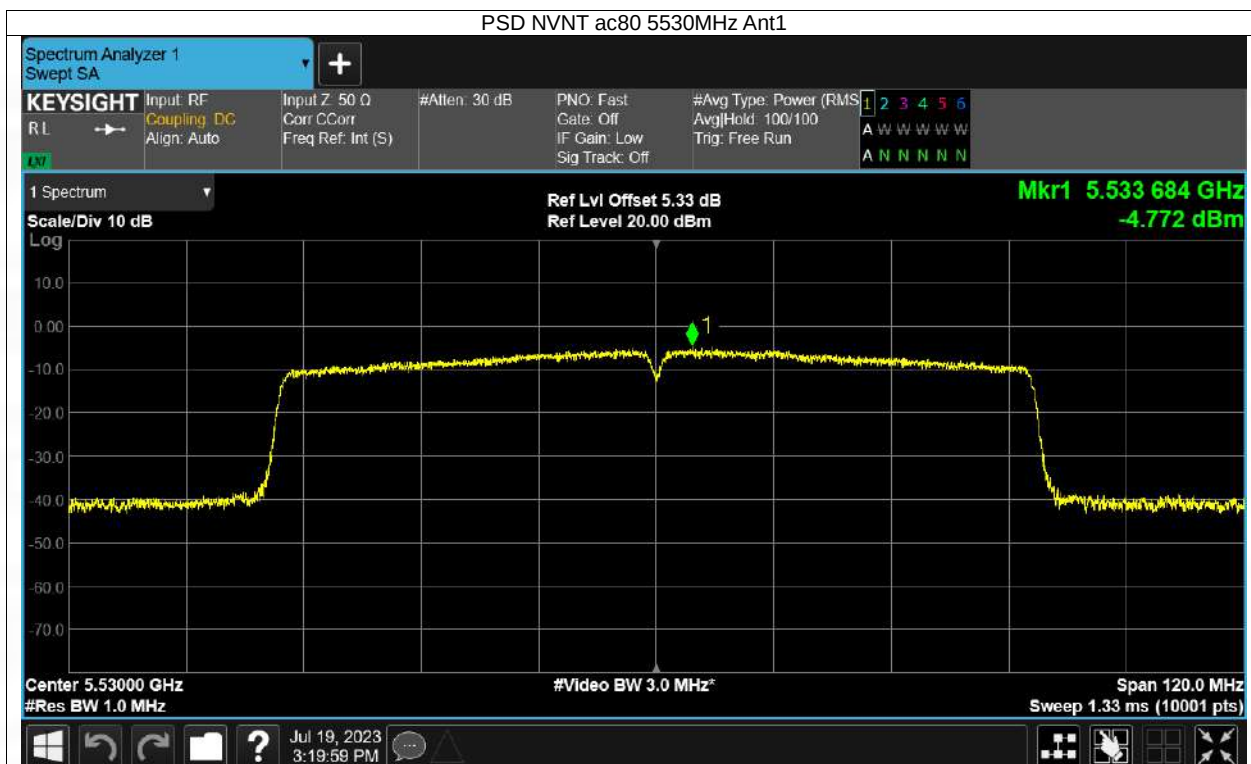


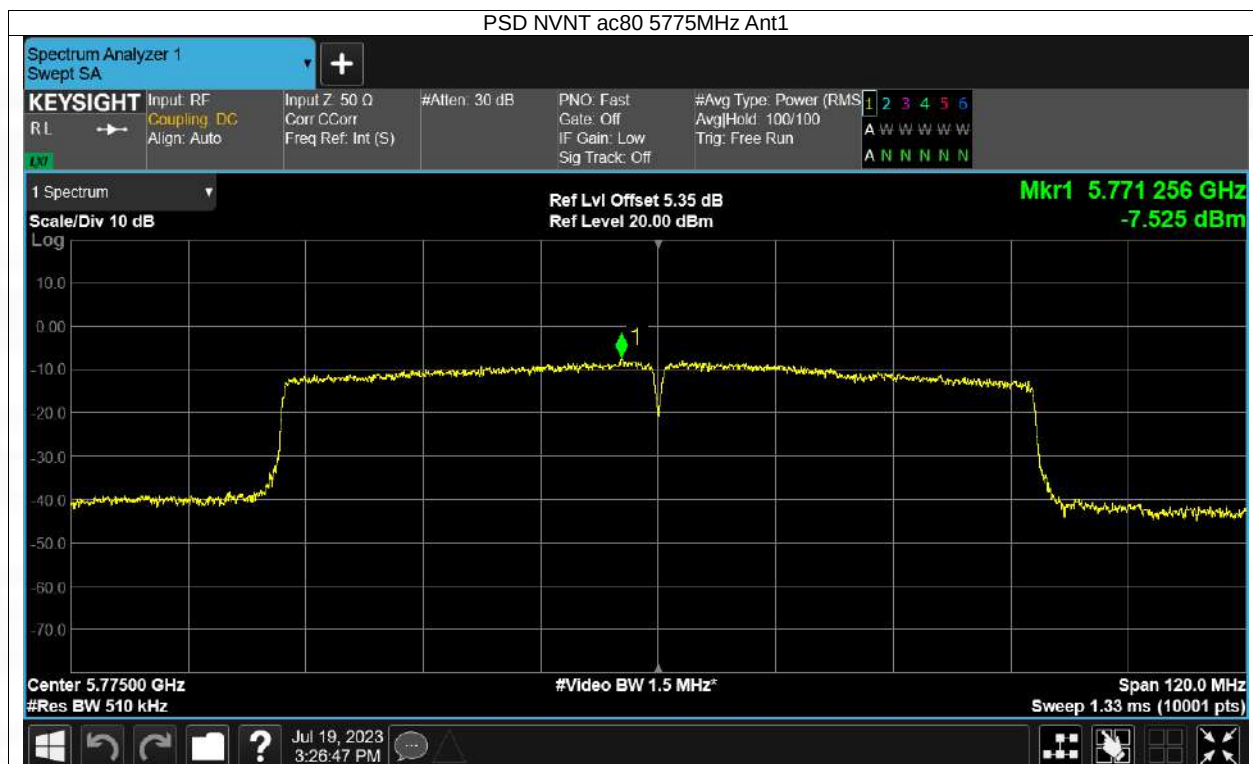












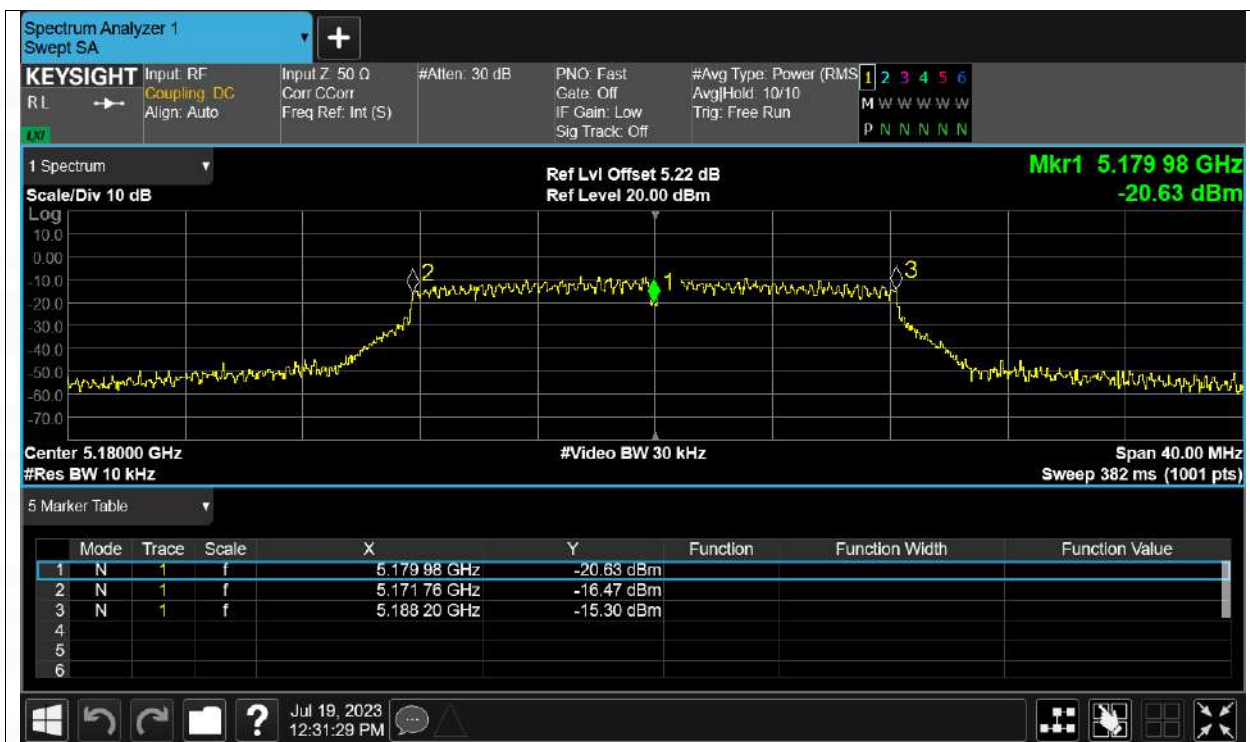
4. Frequency Stability

4.1 Ant1

4.1.1 Test Result

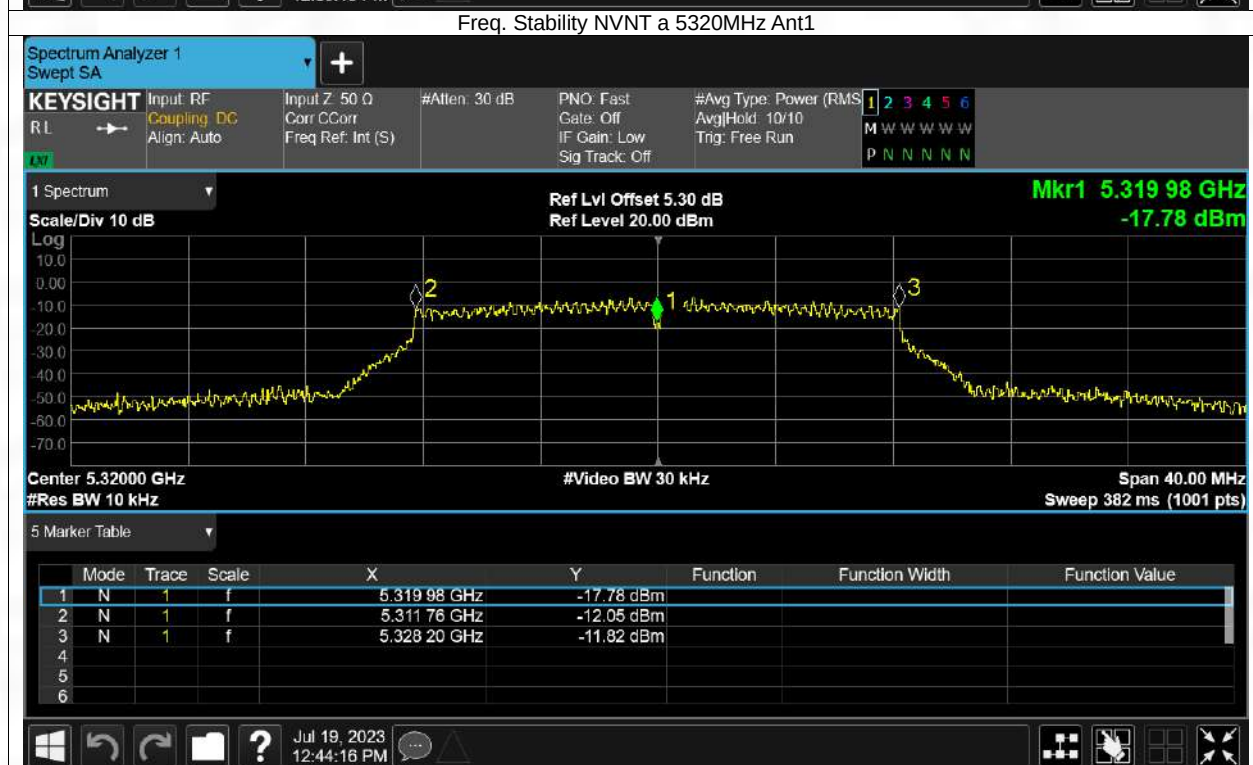
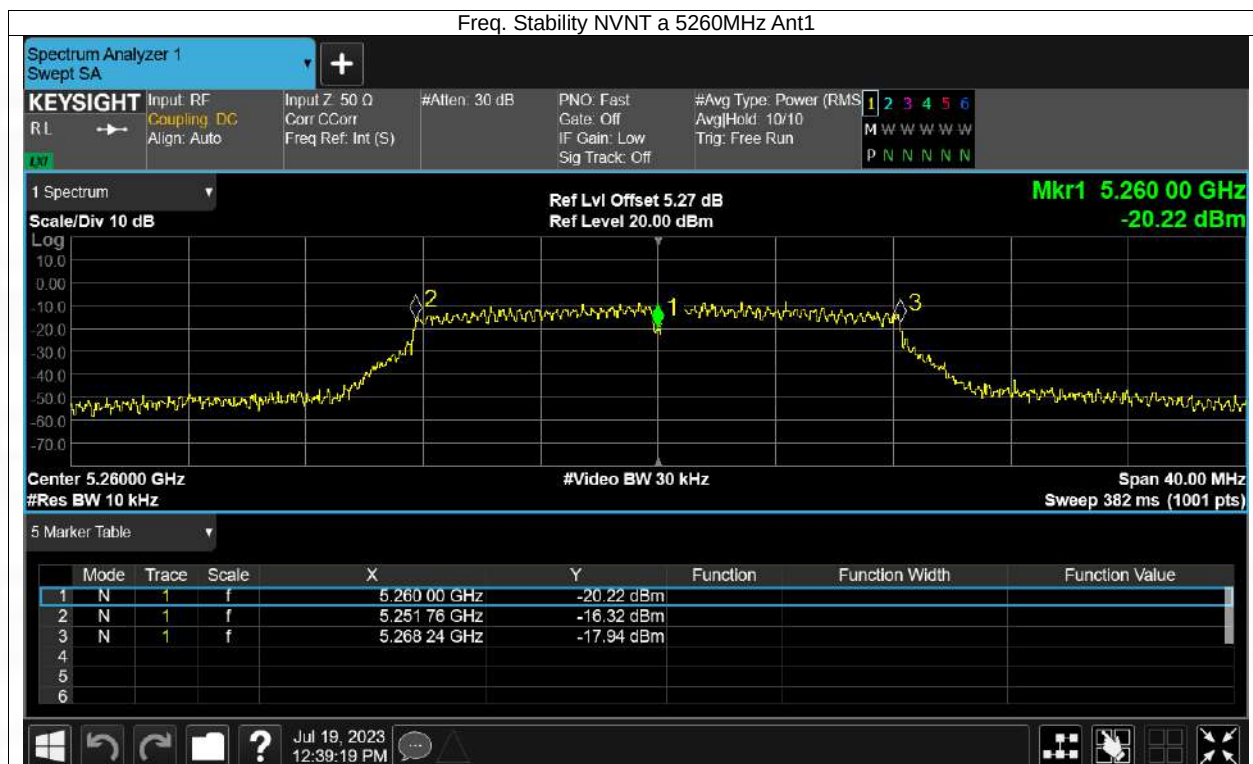
Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
a	5260	Ant1	5260	0	0	25	Pass
a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
a	5500	Ant1	5499.98	-20000	-3.64	25	Pass
a	5700	Ant1	5699.98	-20000	-3.51	25	Pass
a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
a	5825	Ant1	5824.98	-20000	-3.43	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	5259.96	-40000	-7.6	25	Pass
n20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
n20	5745	Ant1	5745	0	0	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	5269.96	-40000	-7.59	25	Pass
n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
n40	5510	Ant1	5510	0	0	25	Pass
n40	5670	Ant1	5669.96	-40000	-7.05	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	5259.96	-40000	-7.6	25	Pass
ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
ac20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
ac20	5825	Ant1	5824.94	-60000	-10.3	25	Pass
ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
ac40	5270	Ant1	5270	0	0	25	Pass
ac40	5310	Ant1	5310	0	0	25	Pass
ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
ac40	5755	Ant1	5755	0	0	25	Pass
ac40	5795	Ant1	5795	0	0	25	Pass
ac80	5210	Ant1	5210	0	0	25	Pass
ac80	5290	Ant1	5290	0	0	25	Pass
ac80	5530	Ant1	5530	0	0	25	Pass
ac80	5610	Ant1	5610	0	0	25	Pass
ac80	5775	Ant1	5775	0	0	25	Pass

Test Graphs
Freq. Stability NVNT a 5180MHz Ant1

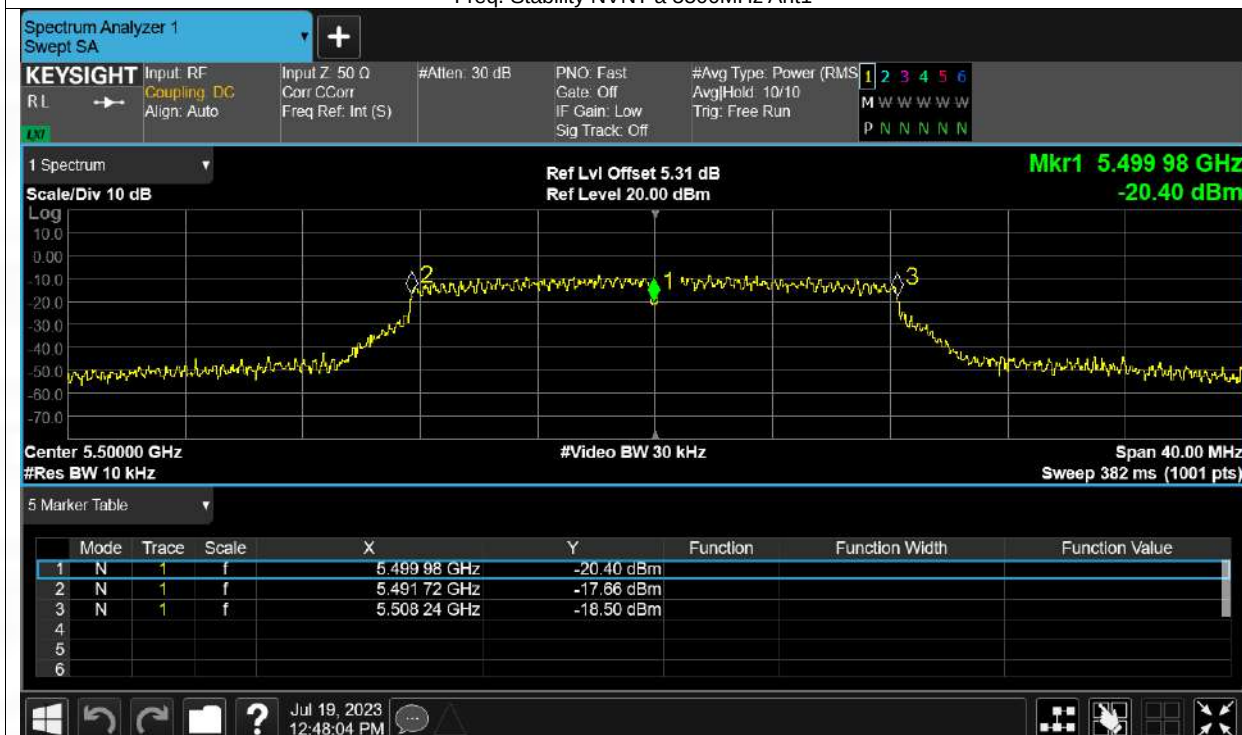


Freq. Stability NVNT a 5240MHz Ant1



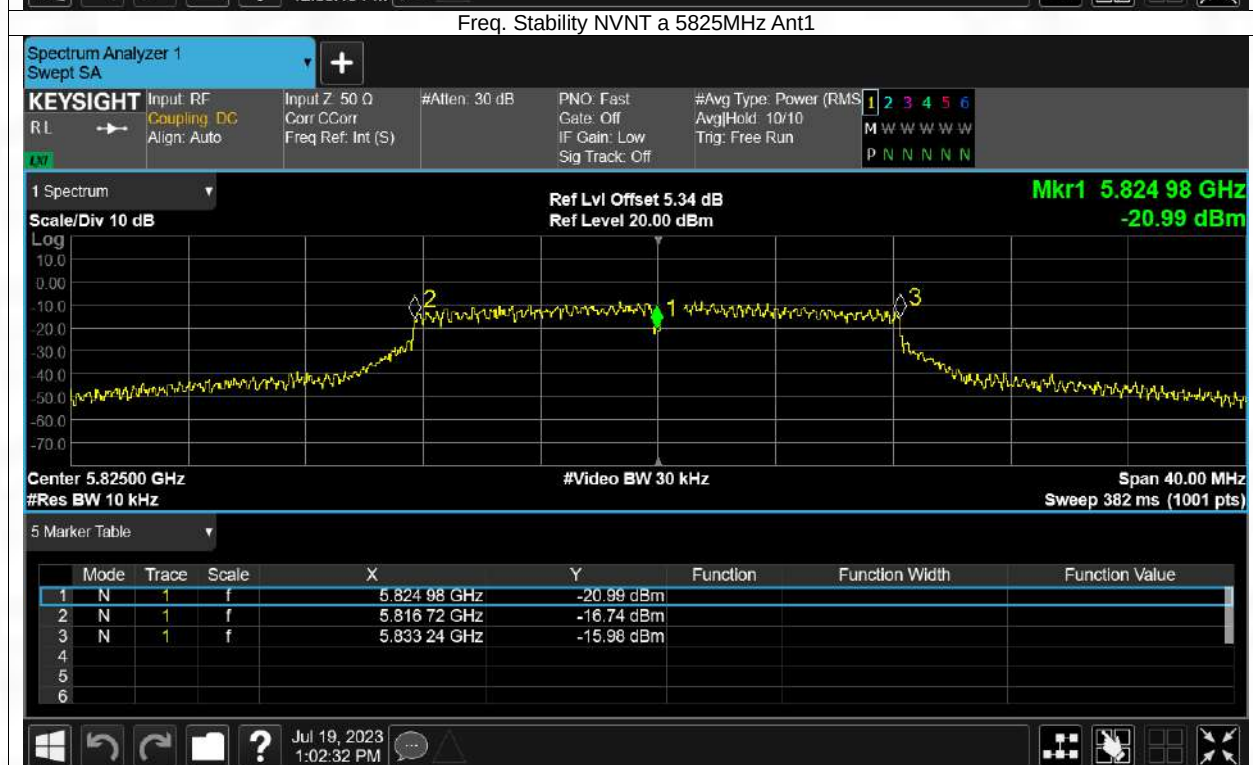
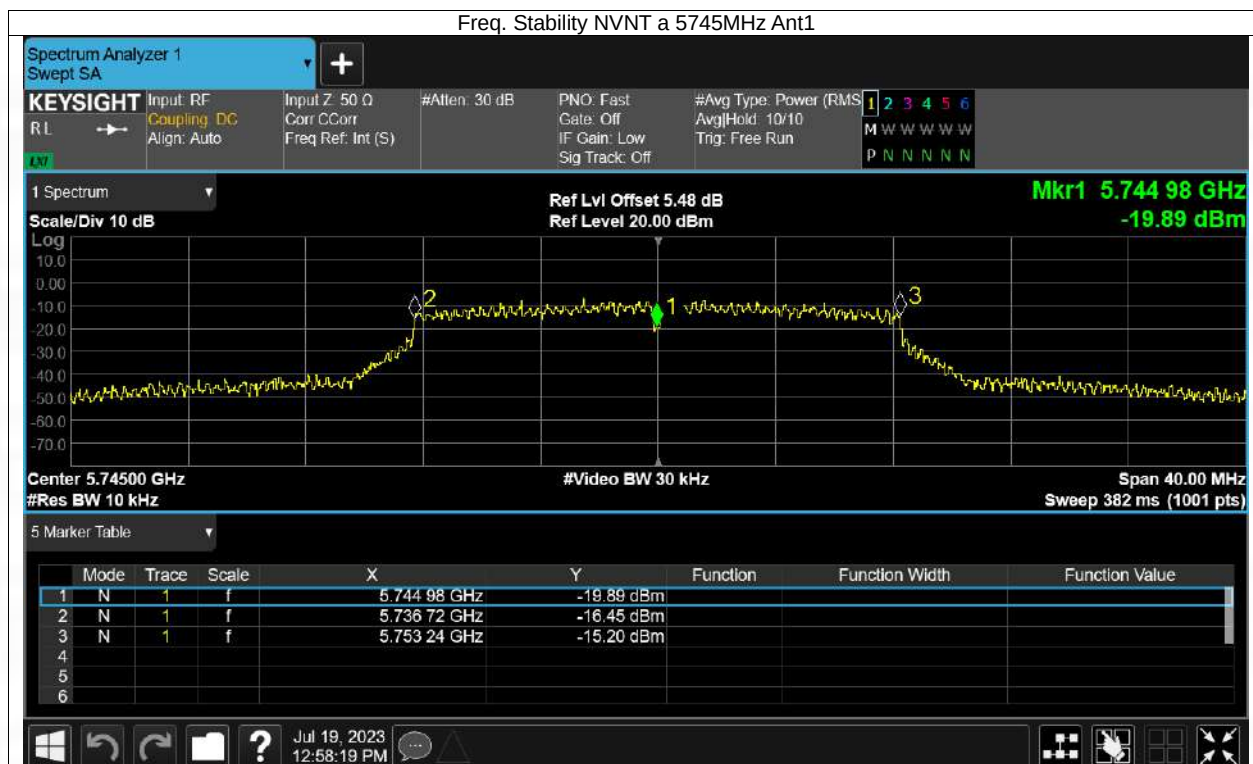


Freq. Stability NVNT a 5500MHz Ant1



Freq. Stability NVNT a 5700MHz 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

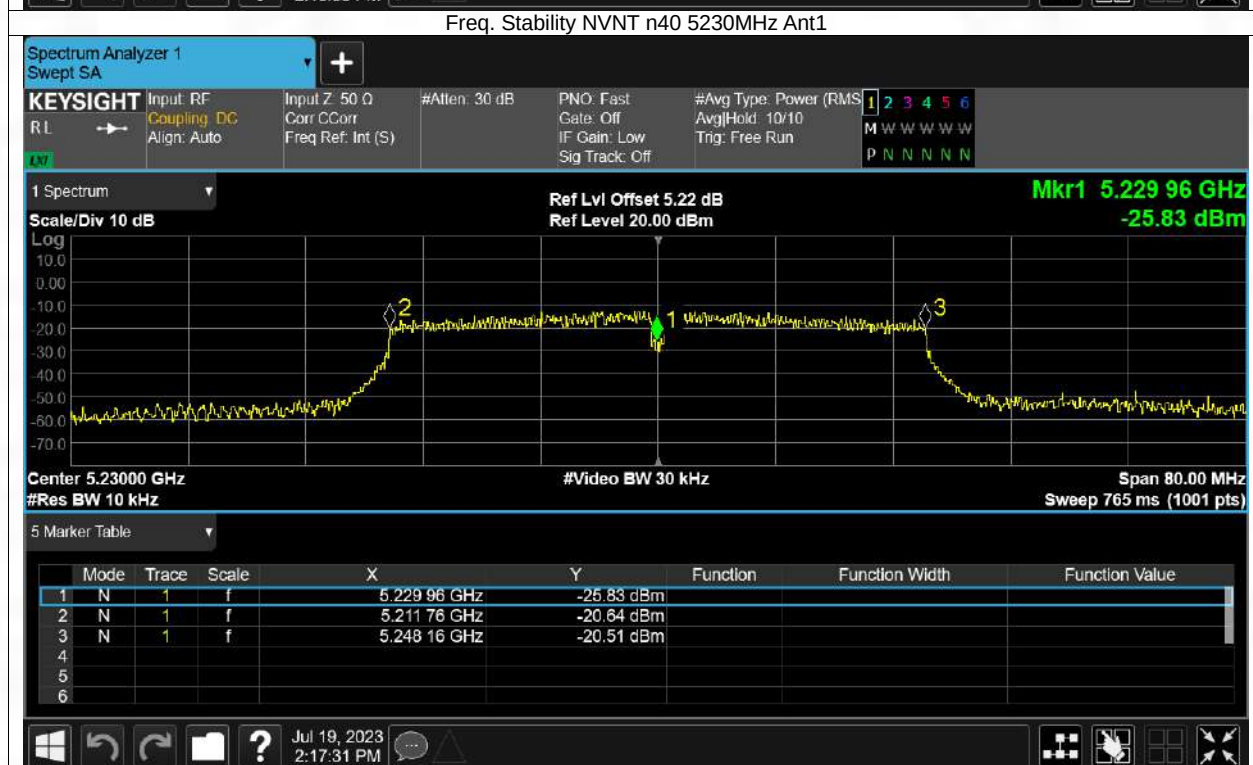
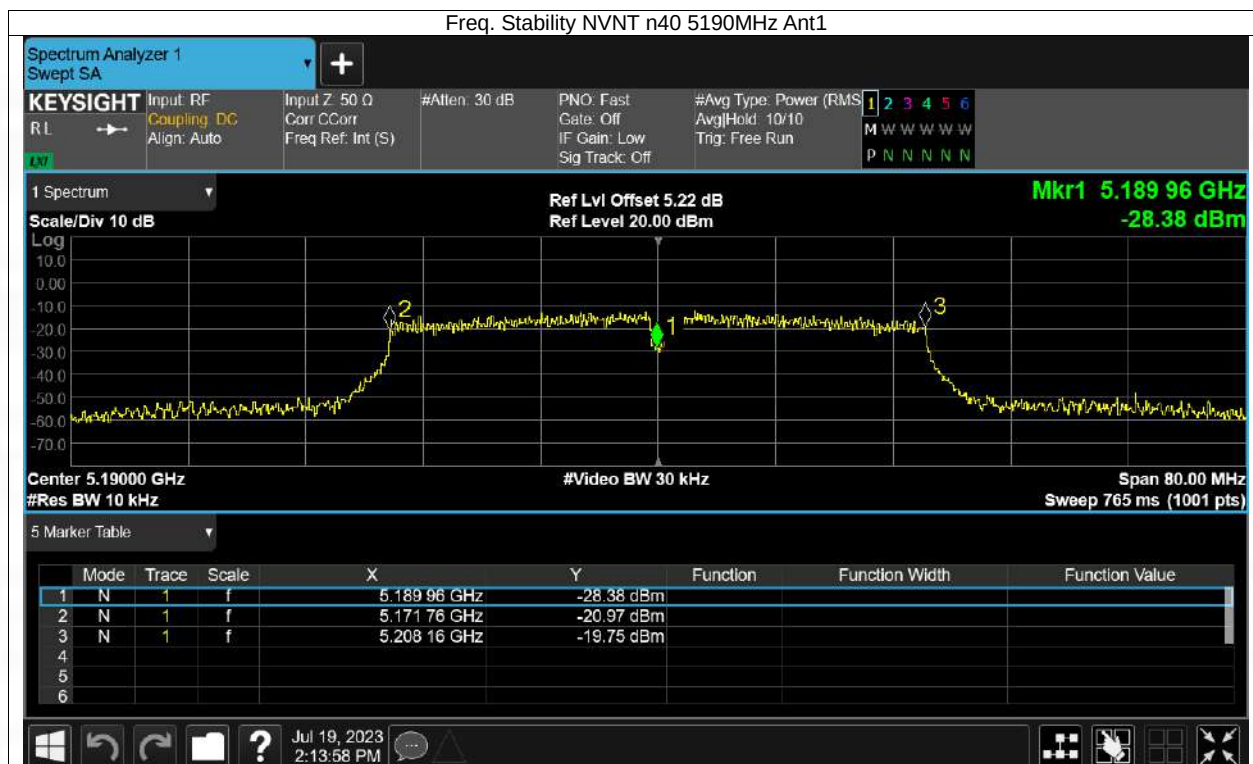


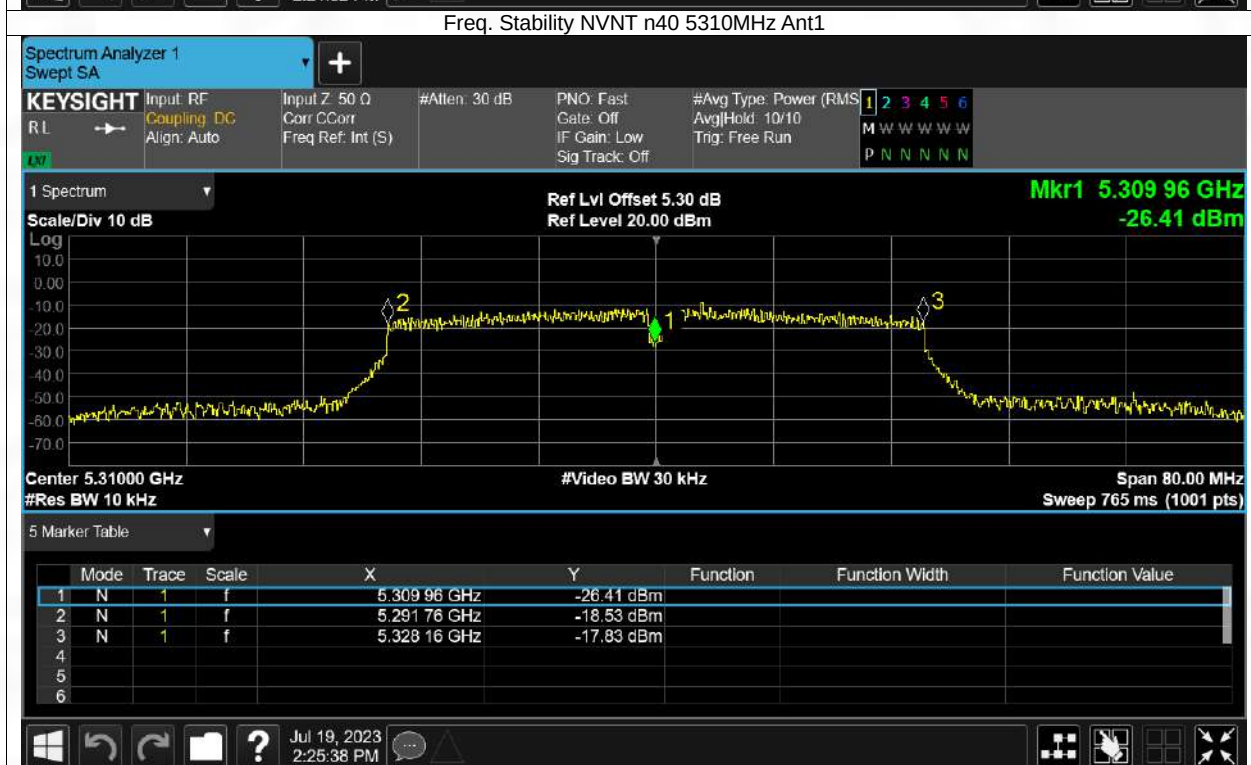
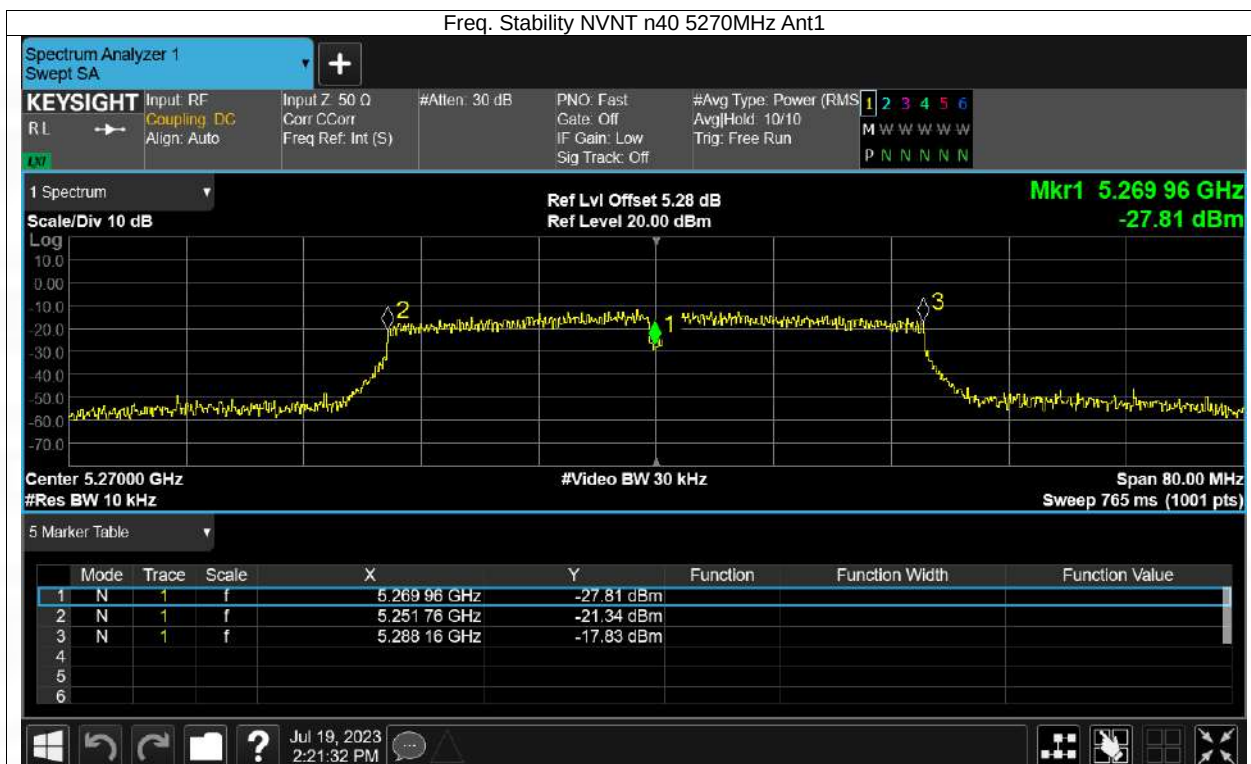
Freq. Stability NVNT n20 5745MHz Ant1

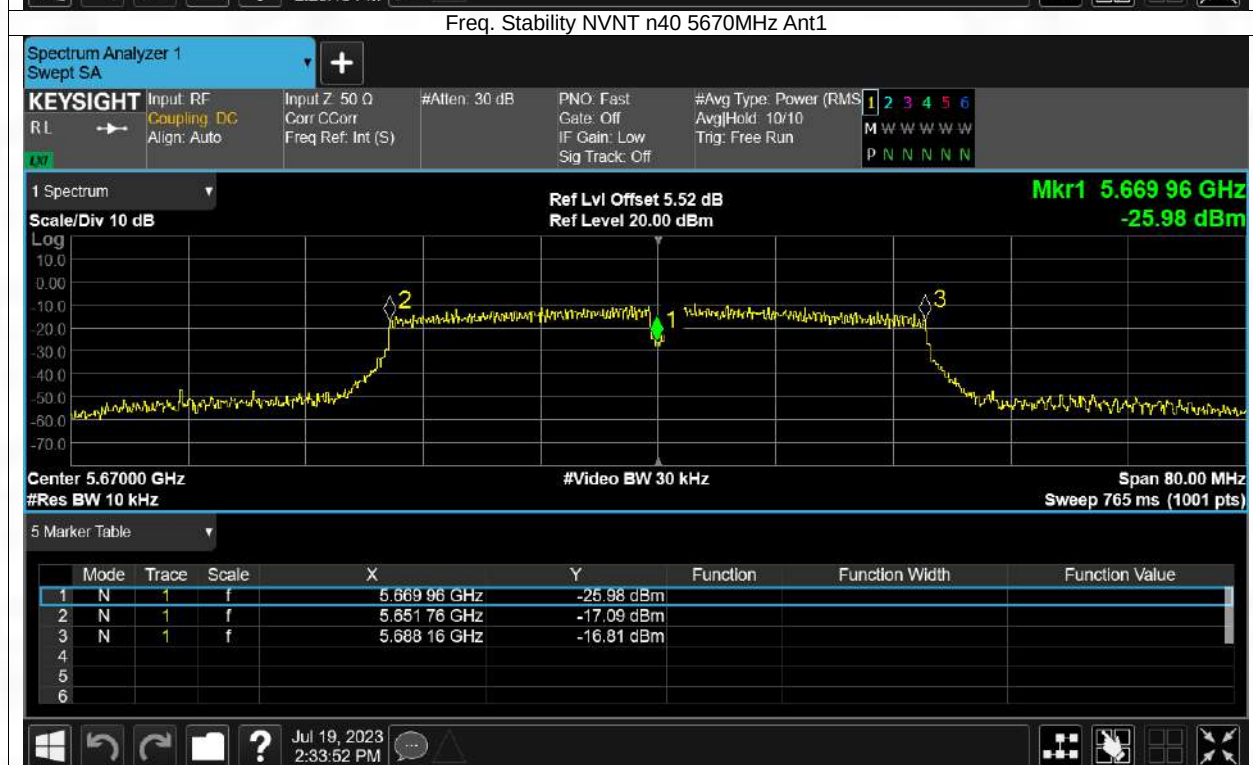
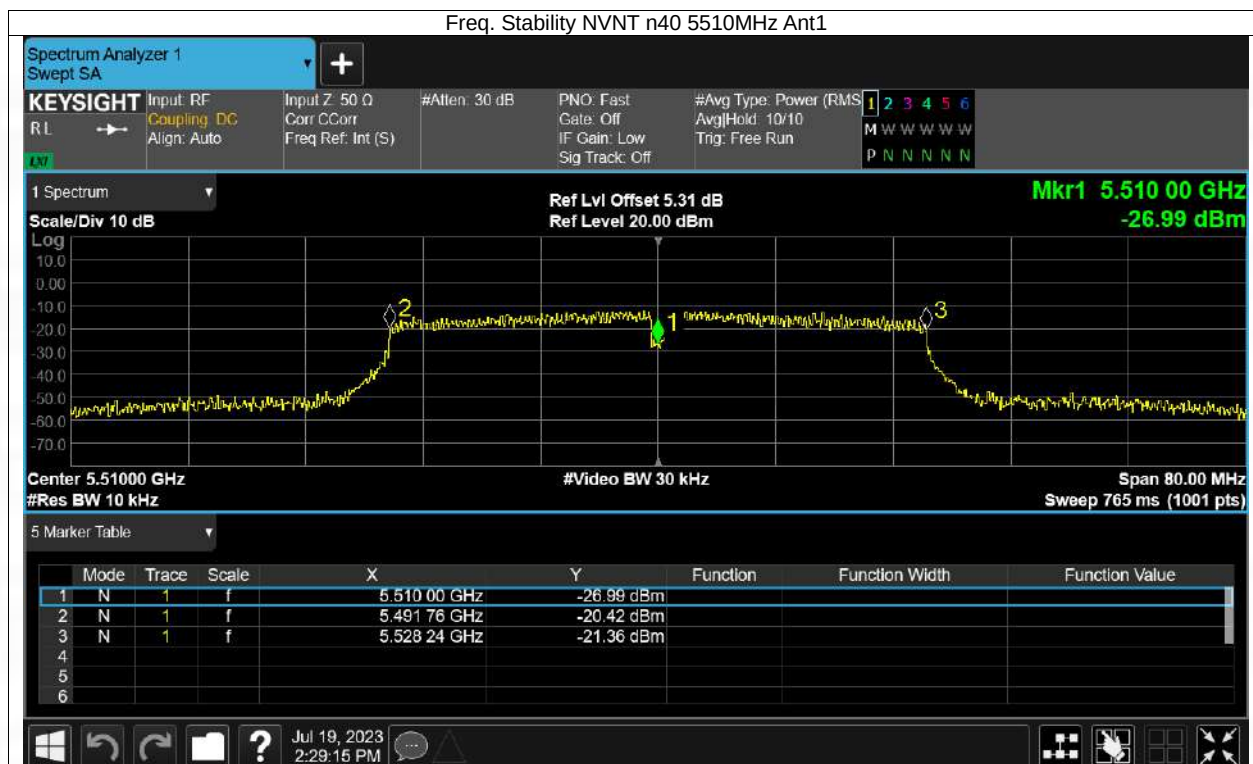


Freq. Stability NVNT n20 5825MHz Ant1







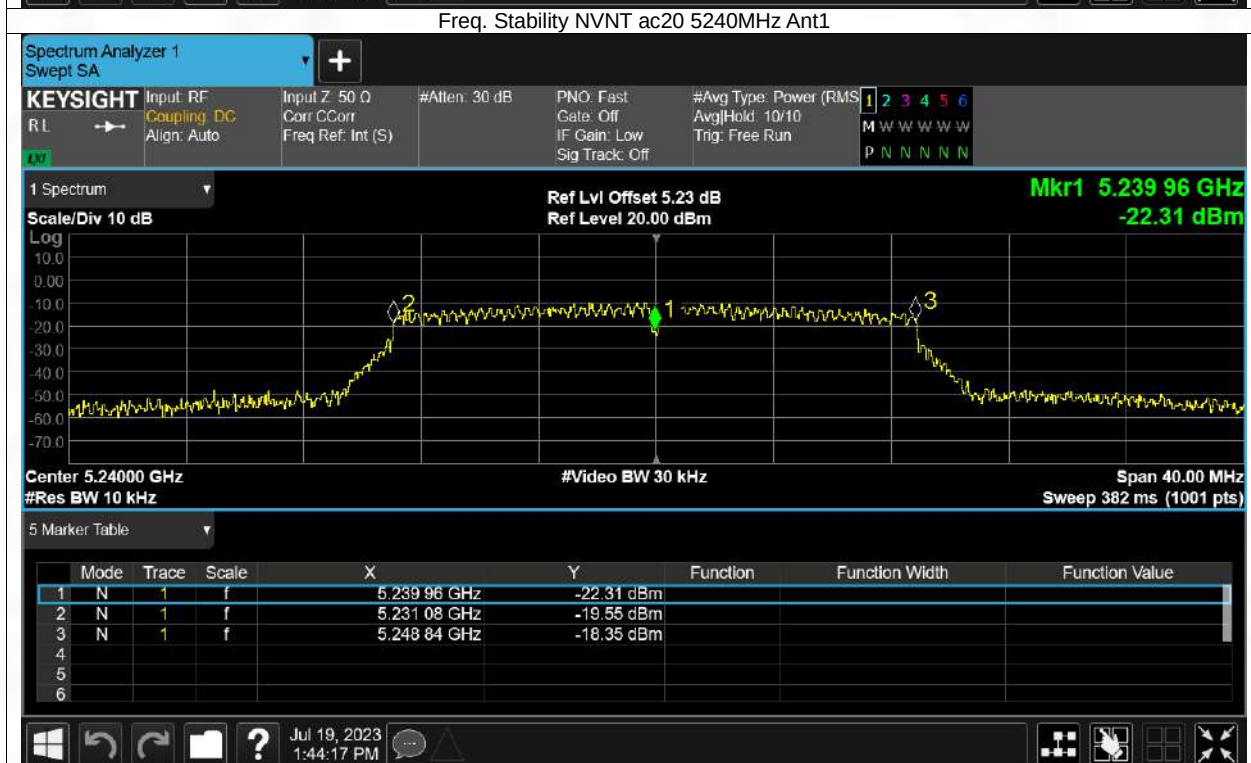
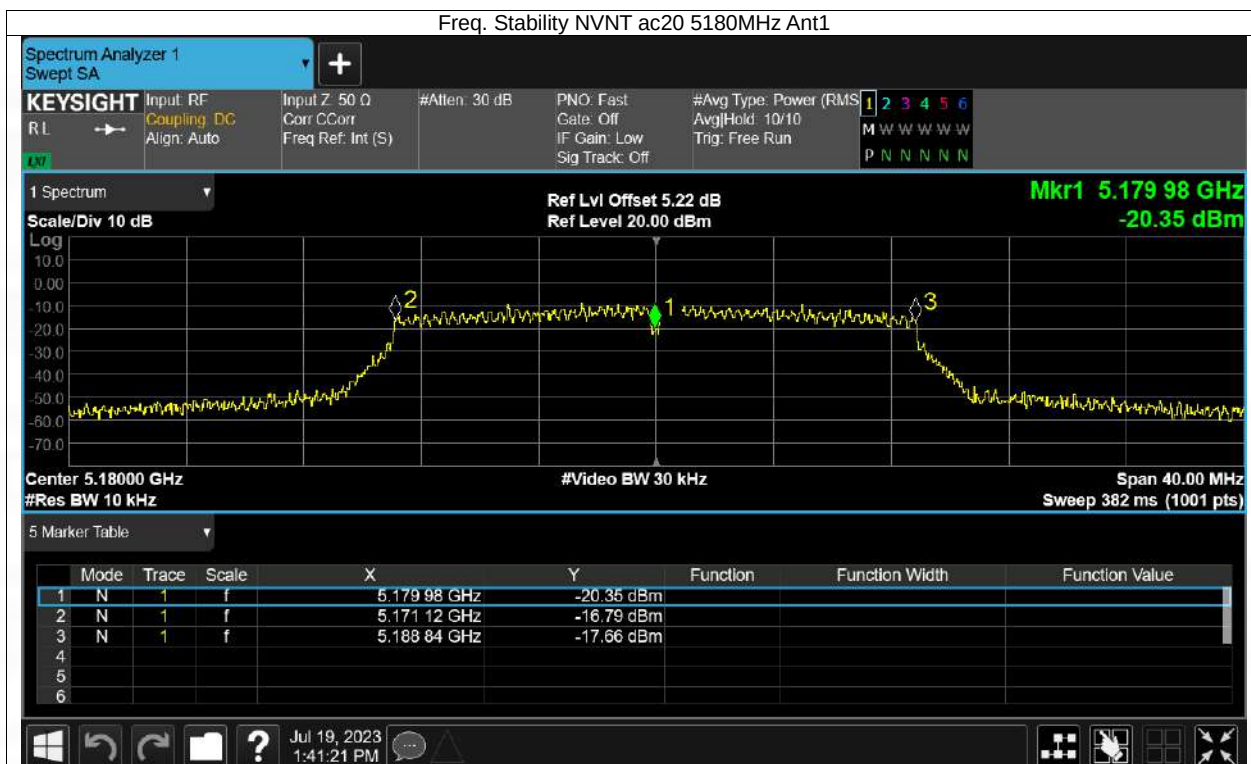


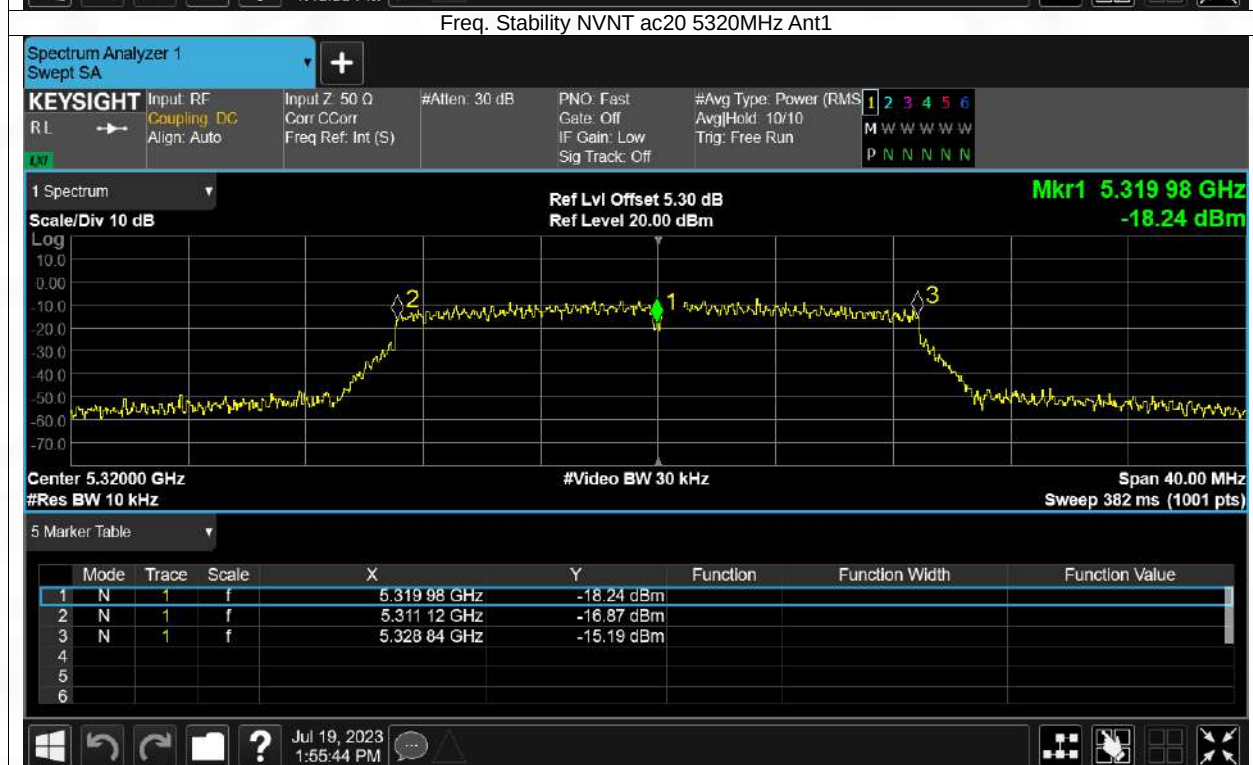
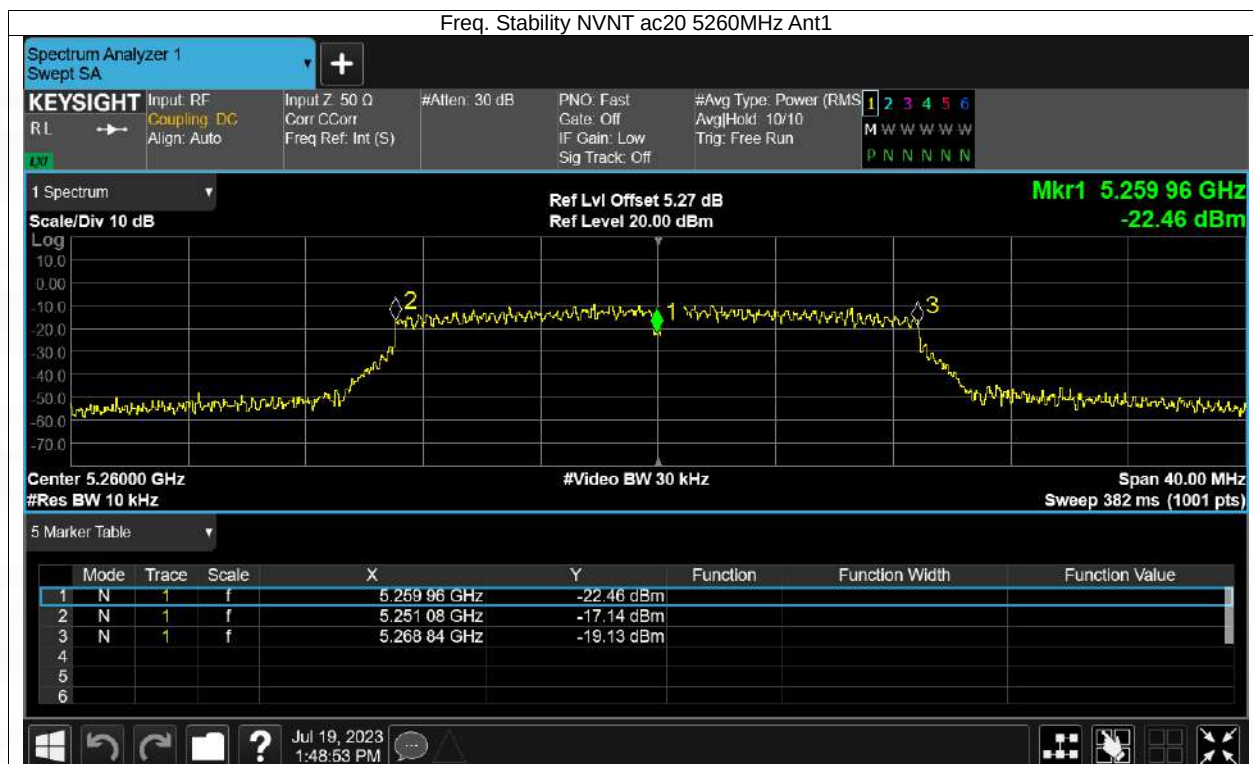
Freq. Stability NVNT n40 5755MHz Ant1

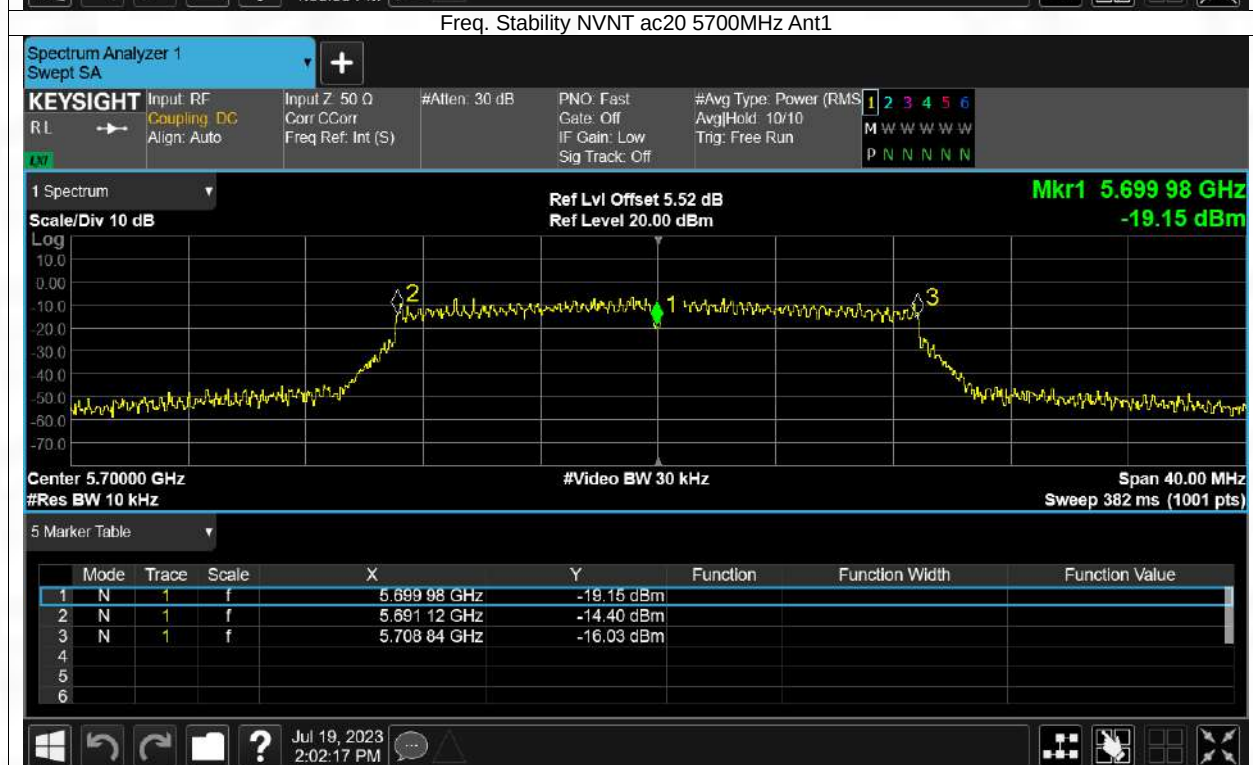
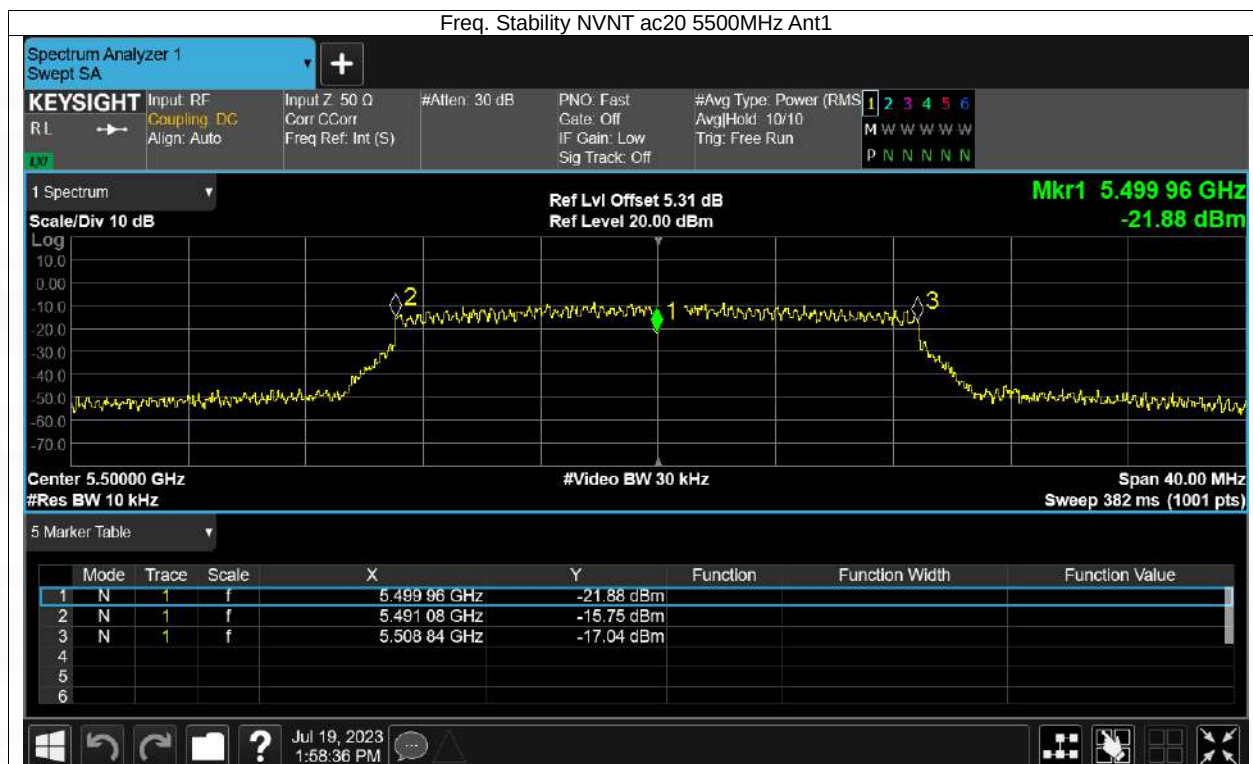


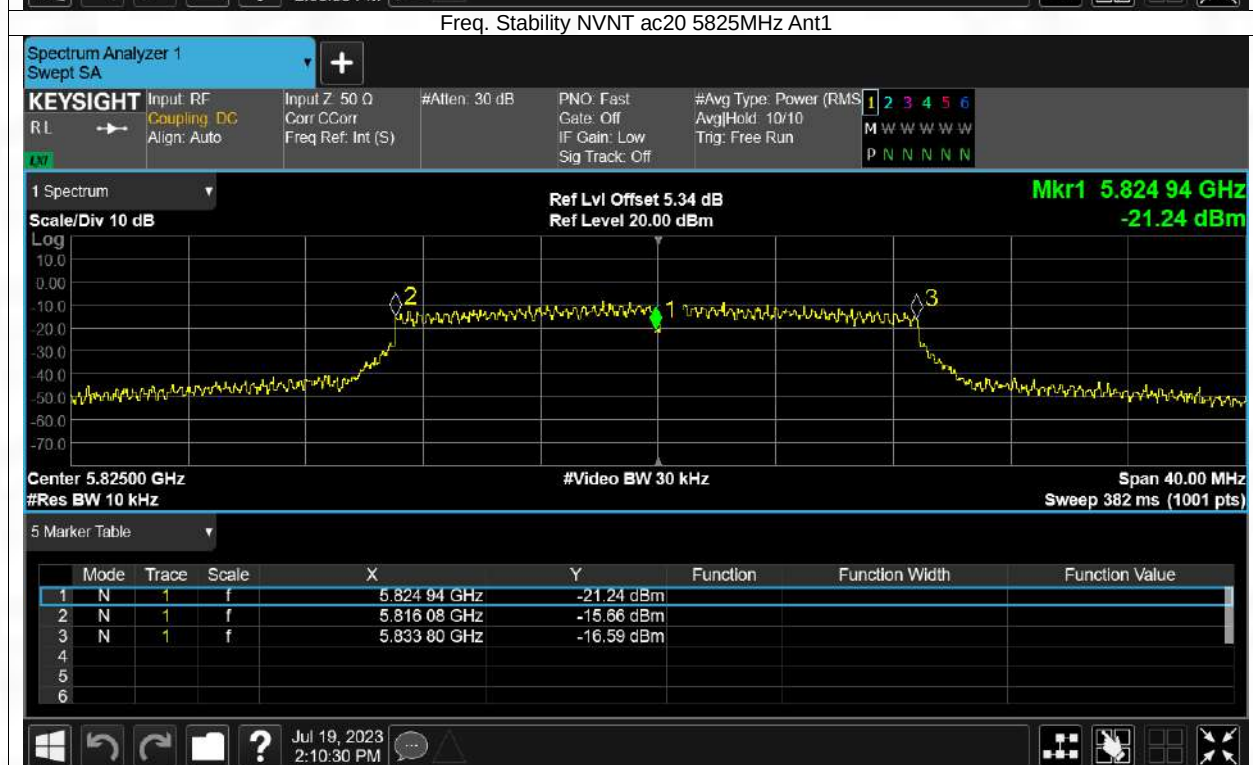
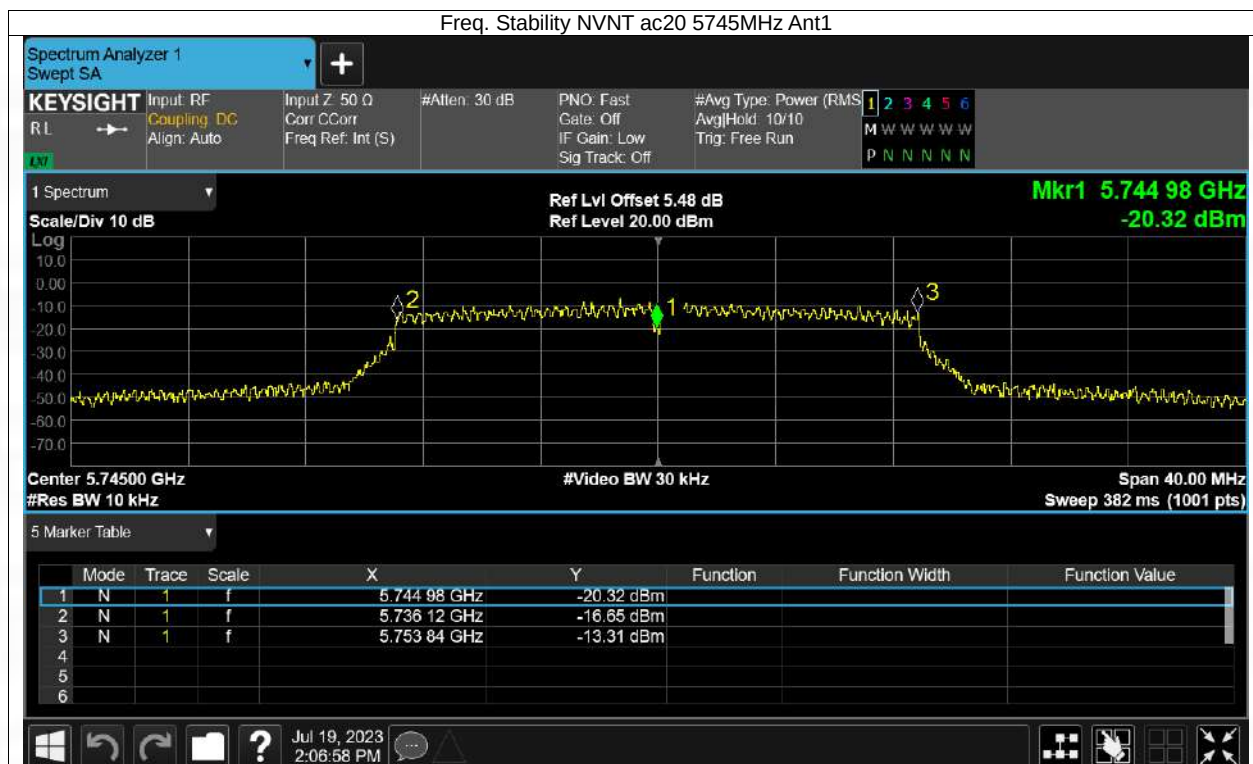
Freq. Stability NVNT n40 5795MHz Ant1

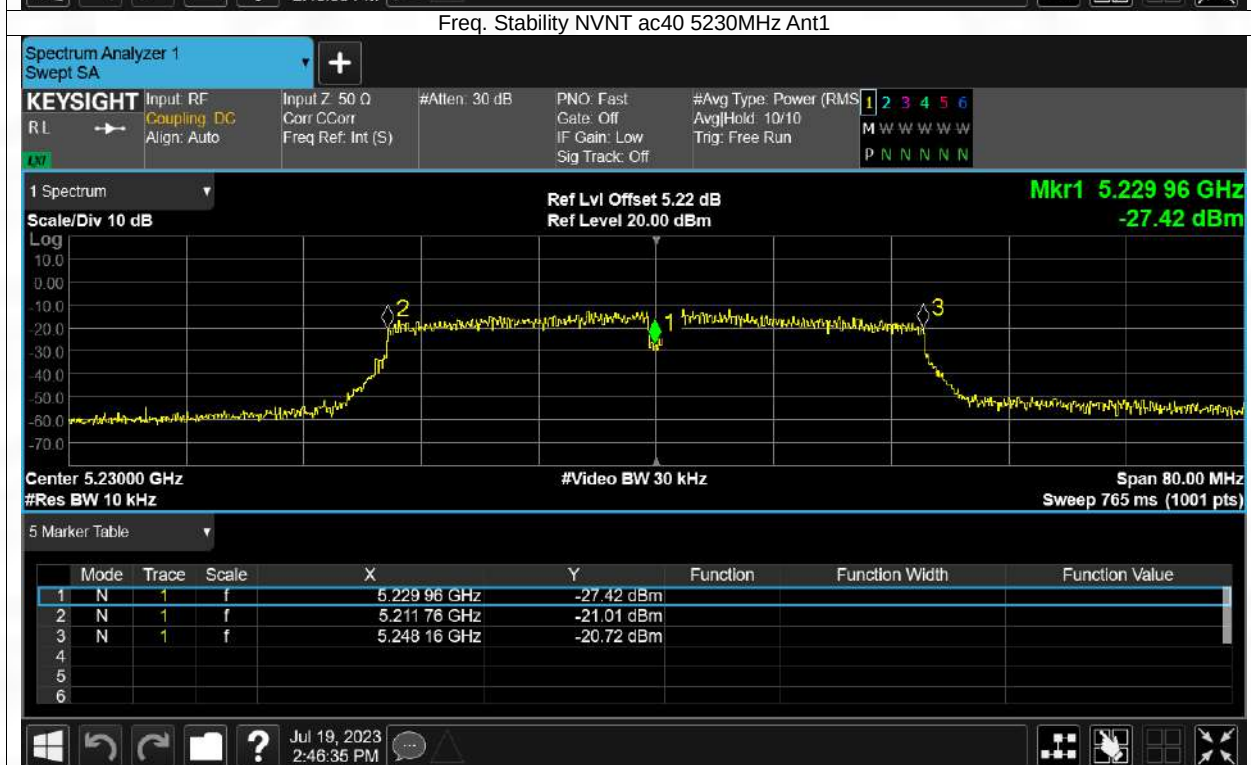
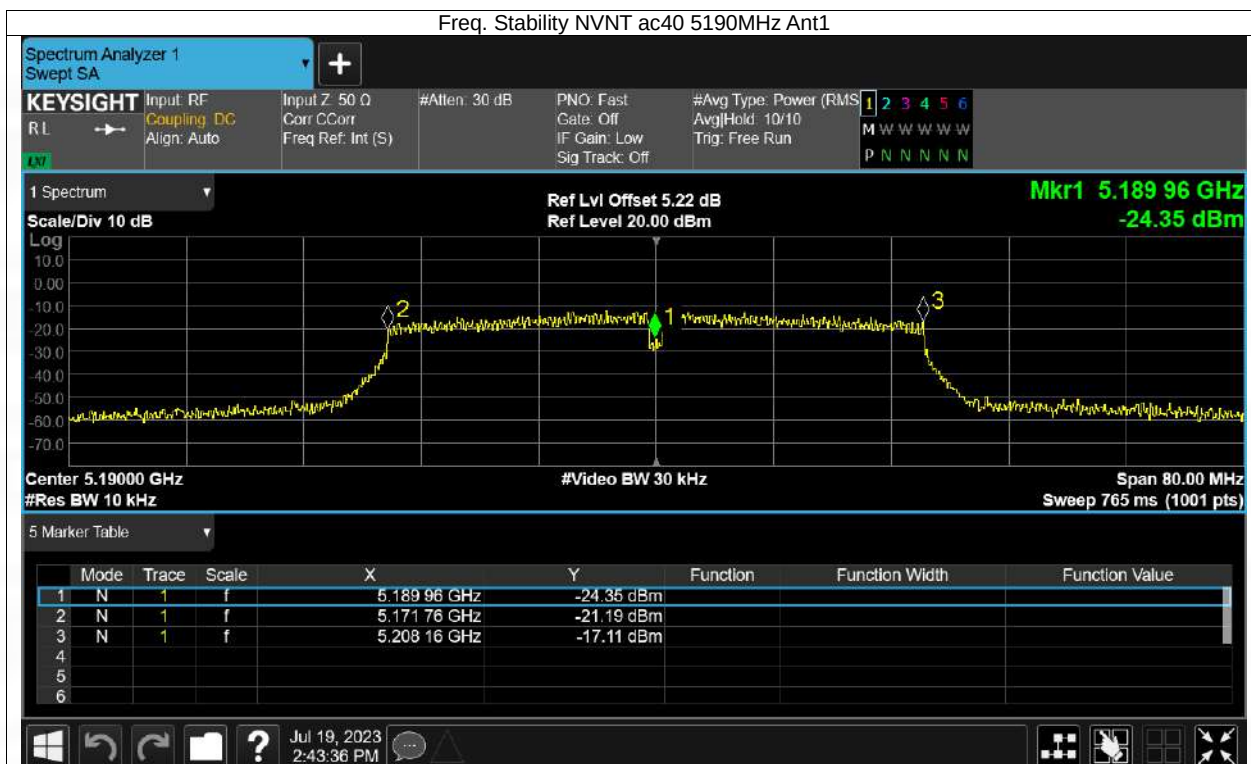


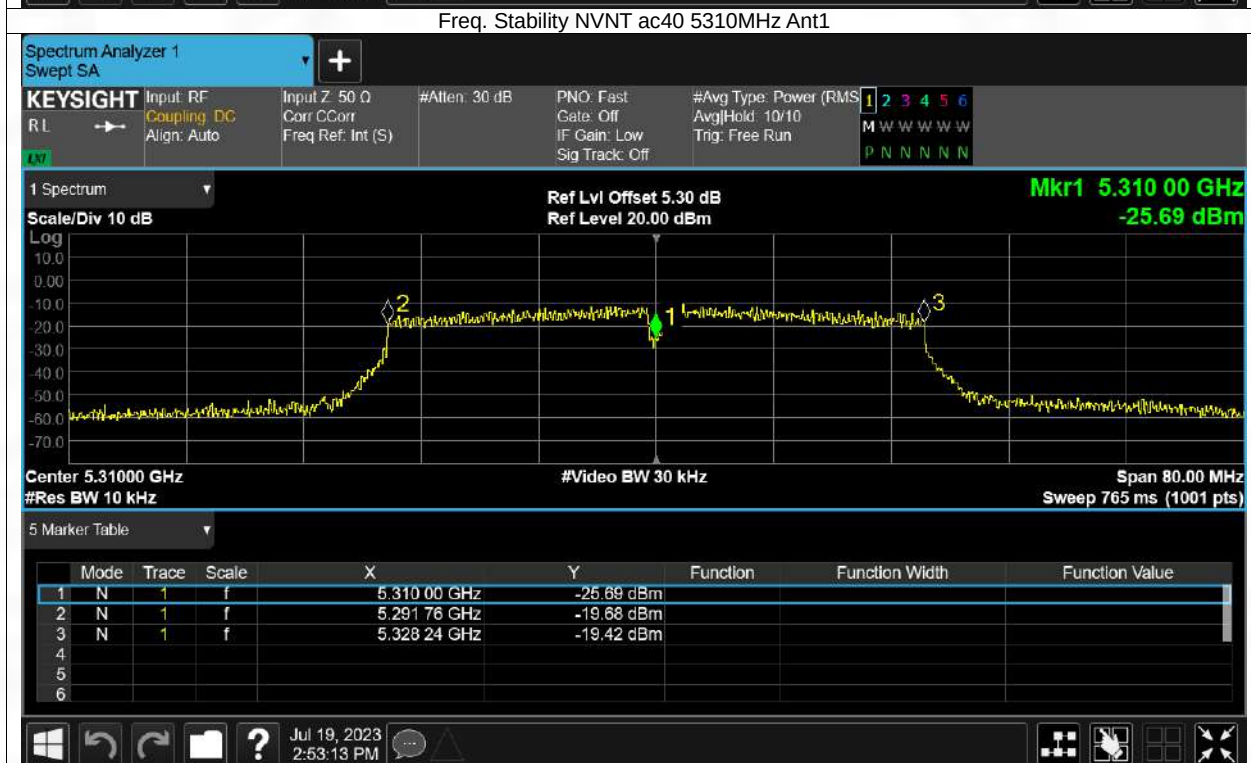
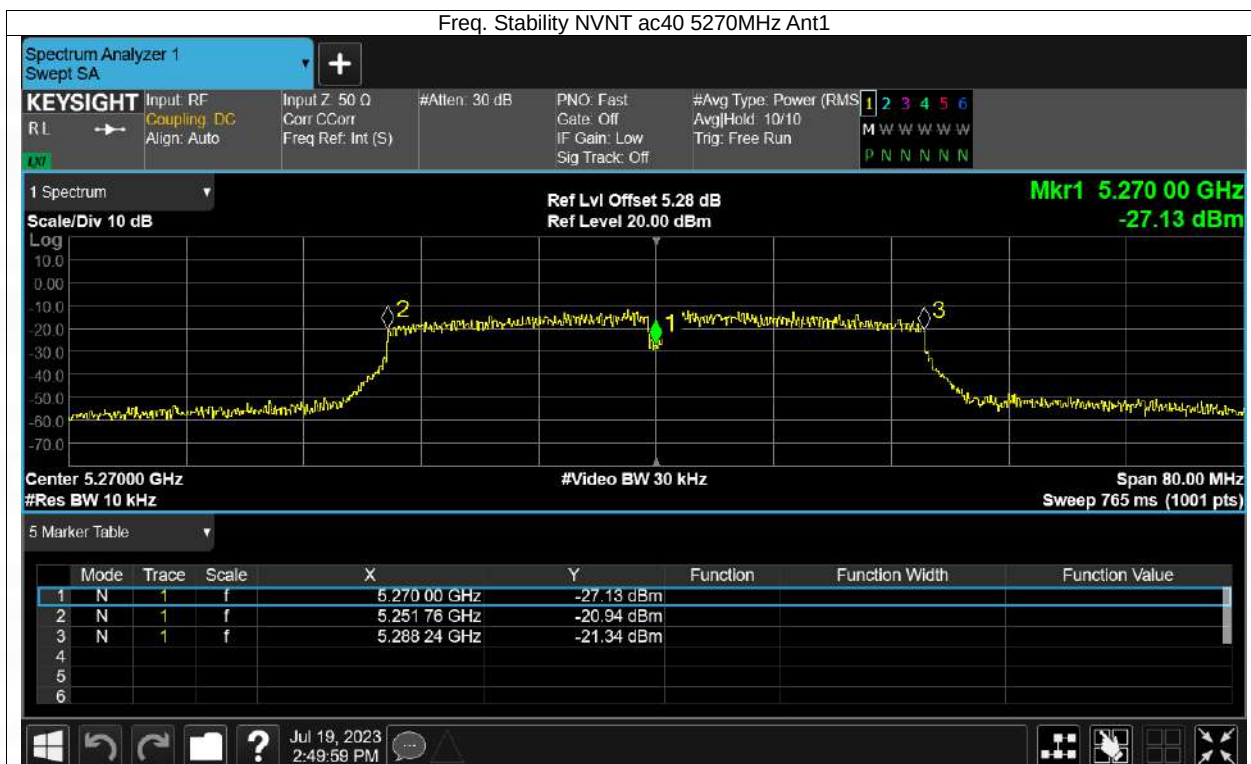


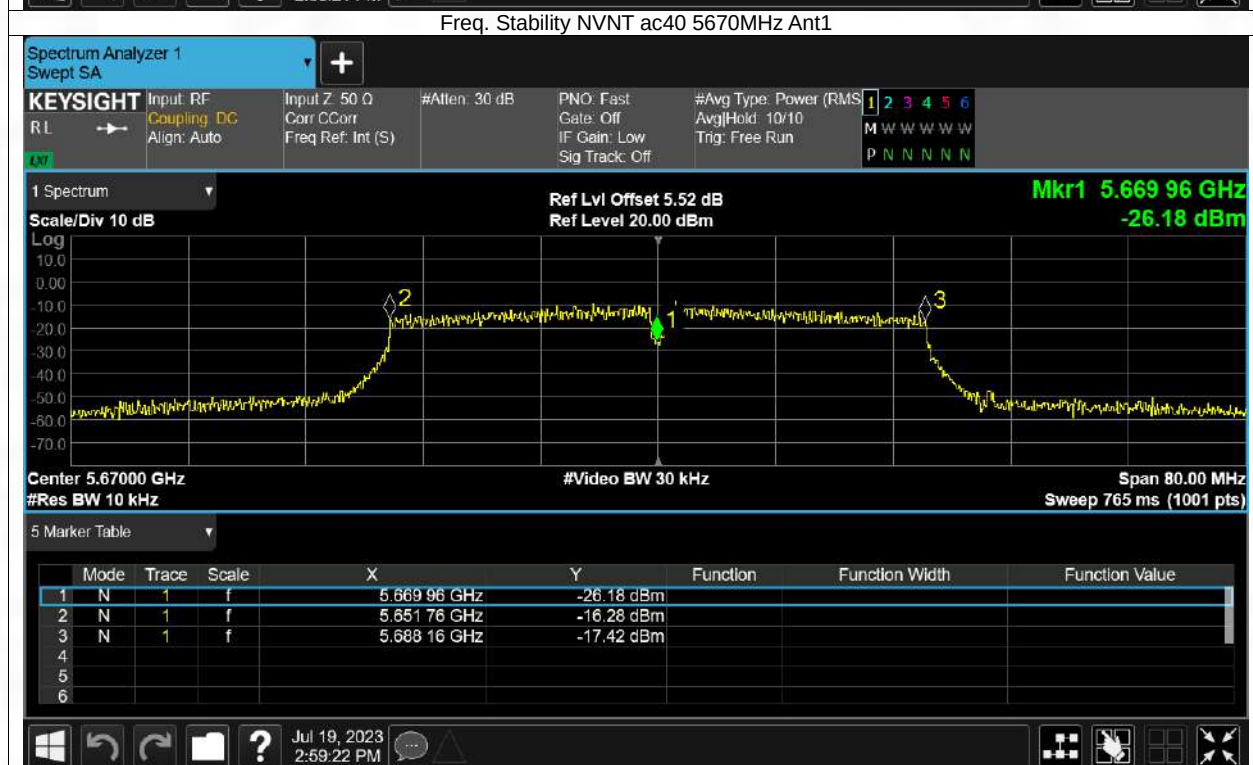
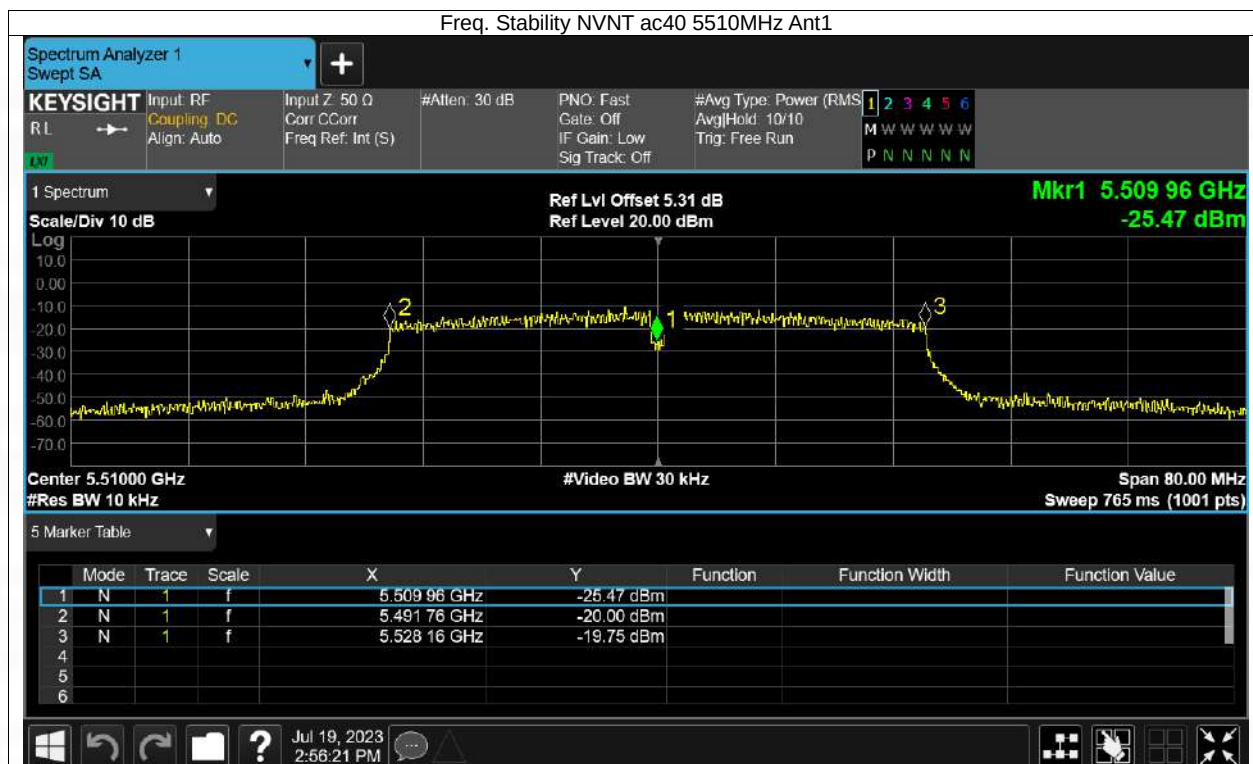


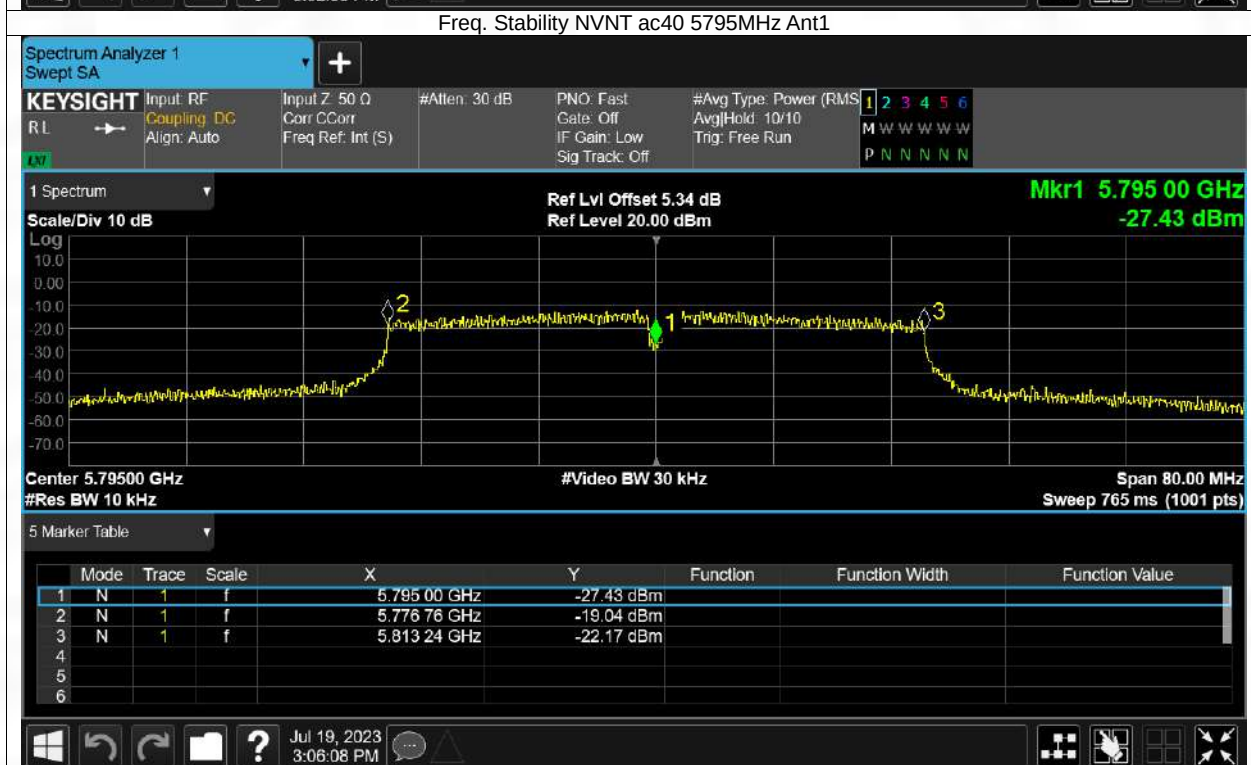
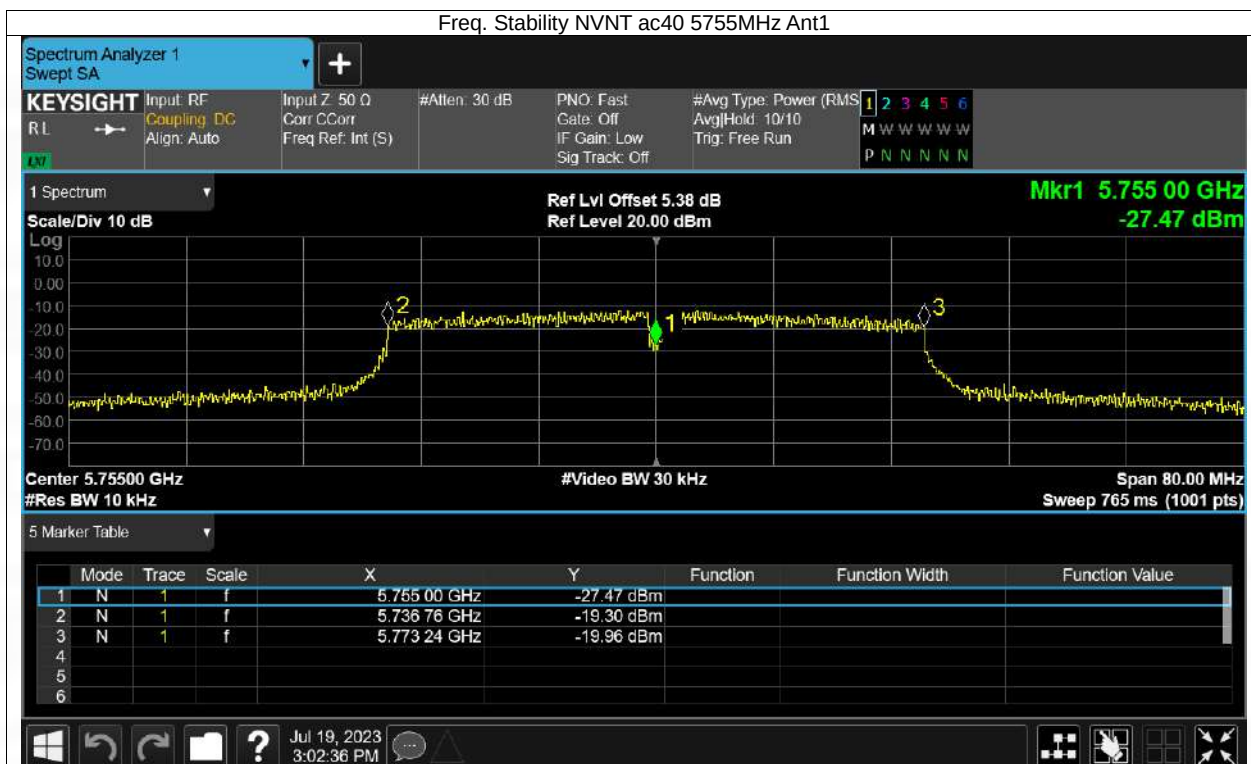










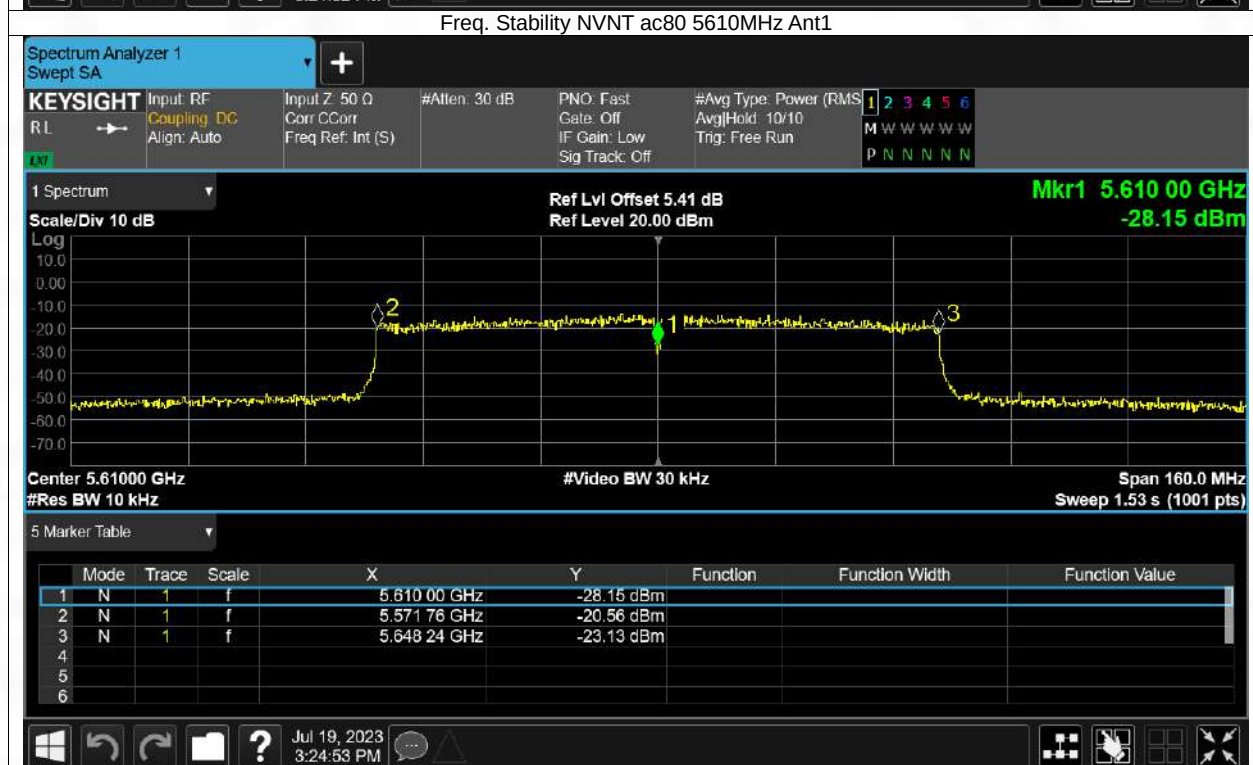
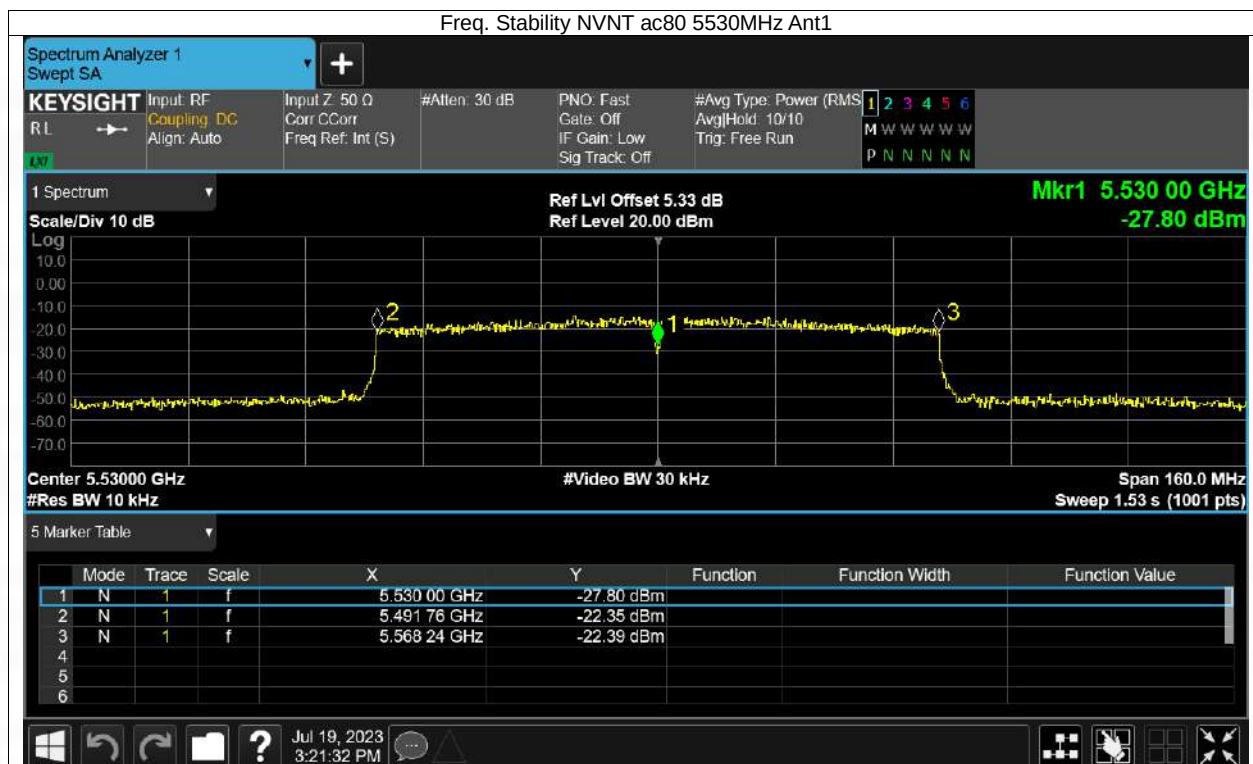


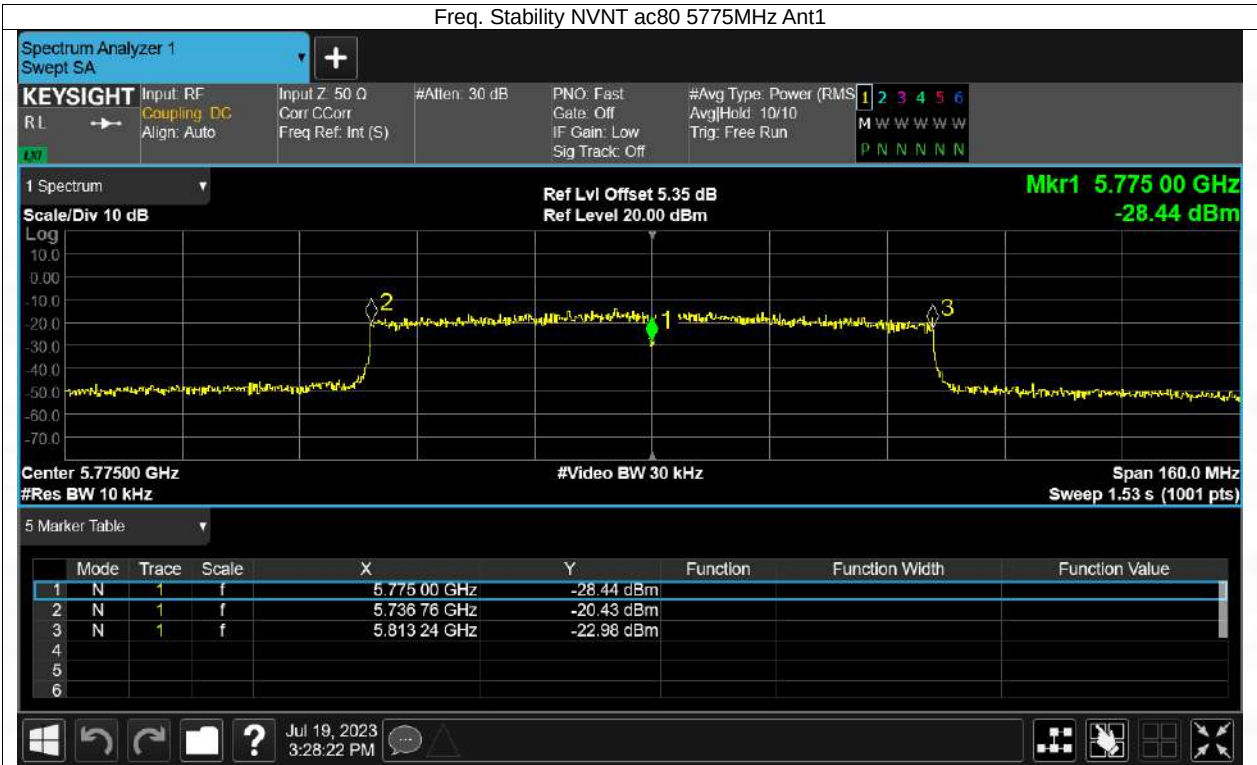
Freq. Stability NVNT ac80 5210MHz Ant1



Freq. Stability NVNT ac80 5290MHz Ant1









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