

Appendix

1. Bandwidth

1.1 OBW

1.1.1 Test Result

-26dB Bandwidth

Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	23.268	0.5	Pass
a	5240	Ant1	22.461	0.5	Pass
a	5260	Ant1	22.164	0.5	Pass
a	5320	Ant1	22.993	0.5	Pass
a	5500	Ant1	22.797	0.5	Pass
a	5700	Ant1	23.683	0.5	Pass
n20	5180	Ant1	23.319	0.5	Pass
n20	5240	Ant1	22.946	0.5	Pass
n20	5260	Ant1	22.99	0.5	Pass
n20	5320	Ant1	23.124	0.5	Pass
n20	5500	Ant1	23.425	0.5	Pass
n20	5700	Ant1	22.927	0.5	Pass
n40	5190	Ant1	41.109	0.5	Pass
n40	5230	Ant1	41.67	0.5	Pass
n40	5270	Ant1	42.365	0.5	Pass
n40	5310	Ant1	42.065	0.5	Pass
n40	5510	Ant1	41.611	0.5	Pass
n40	5670	Ant1	41.759	0.5	Pass
ac20	5180	Ant1	23.329	0.5	Pass
ac20	5240	Ant1	23.205	0.5	Pass
ac20	5260	Ant1	23	0.5	Pass
ac20	5320	Ant1	23.253	0.5	Pass
ac20	5500	Ant1	22.438	0.5	Pass
ac20	5700	Ant1	23.13	0.5	Pass
ac40	5190	Ant1	43.071	0.5	Pass
ac40	5230	Ant1	42.01	0.5	Pass
ac40	5270	Ant1	43.218	0.5	Pass
ac40	5310	Ant1	42.106	0.5	Pass
ac40	5510	Ant1	43.297	0.5	Pass
ac40	5670	Ant1	42.702	0.5	Pass
ac80	5210	Ant1	81.858	0.5	Pass
ac80	5290	Ant1	81.816	0.5	Pass
ac80	5530	Ant1	83.291	0.5	Pass
ac80	5610	Ant1	83.593	0.5	Pass
ax160	5250	Ant1	160.812	0.5	Pass
ax160	5570	Ant1	161.02	0.5	Pass
ax20	5180	Ant1	22.25	0.5	Pass
ax20	5240	Ant1	22.439	0.5	Pass
ax20	5260	Ant1	23.018	0.5	Pass
ax20	5320	Ant1	22.278	0.5	Pass
ax20	5500	Ant1	22.881	0.5	Pass
ax20	5700	Ant1	22.274	0.5	Pass
ax40	5190	Ant1	42.087	0.5	Pass
ax40	5230	Ant1	42.462	0.5	Pass
ax40	5270	Ant1	42.24	0.5	Pass
ax40	5310	Ant1	42.551	0.5	Pass
ax40	5510	Ant1	42.103	0.5	Pass
ax40	5670	Ant1	41.048	0.5	Pass
ax80	5210	Ant1	81.537	0.5	Pass
ax80	5290	Ant1	82.098	0.5	Pass
ax80	5530	Ant1	80.522	0.5	Pass
ax80	5610	Ant1	80.285	0.5	Pass

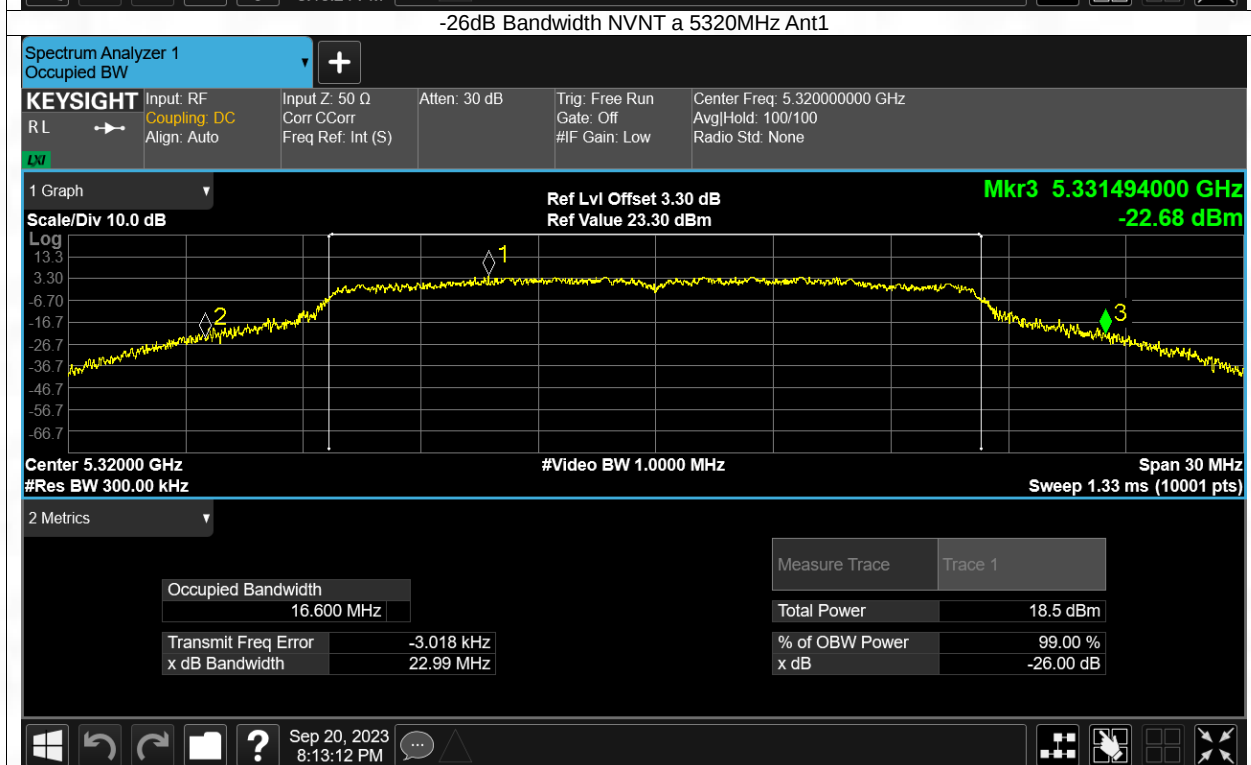
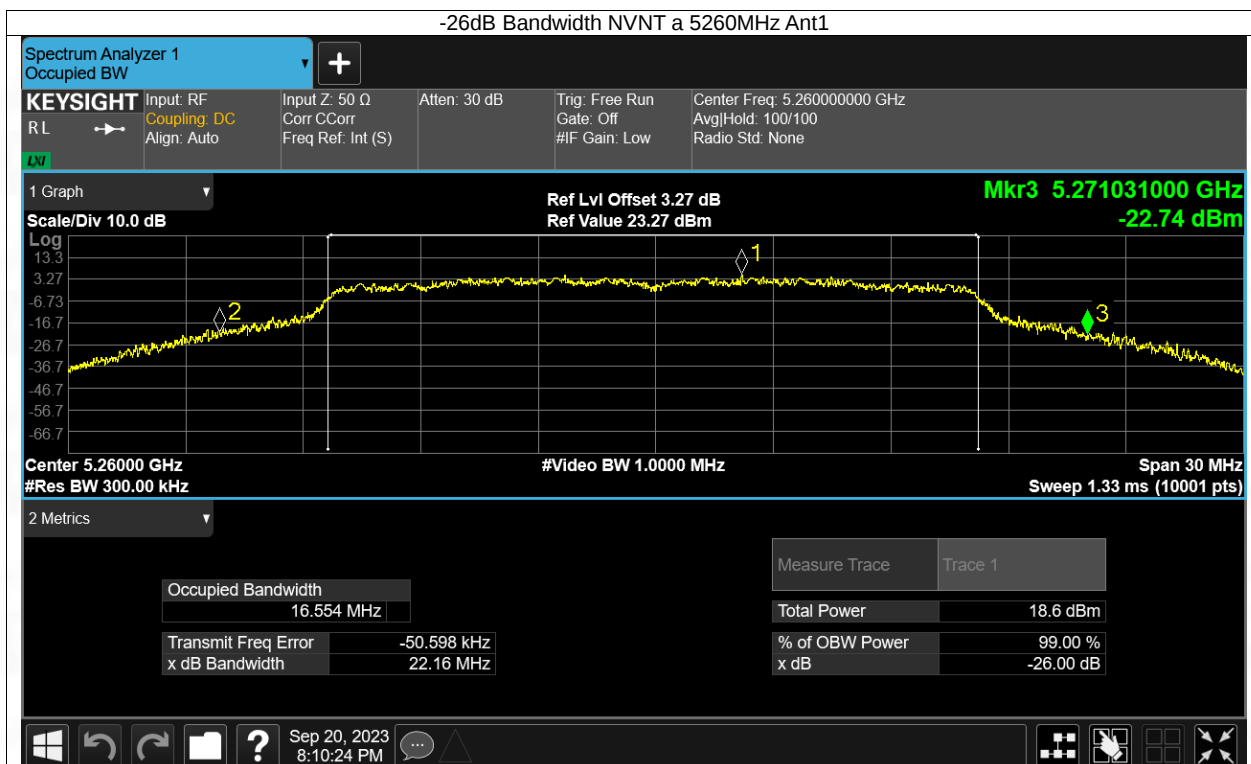
-6dB Bandwidth

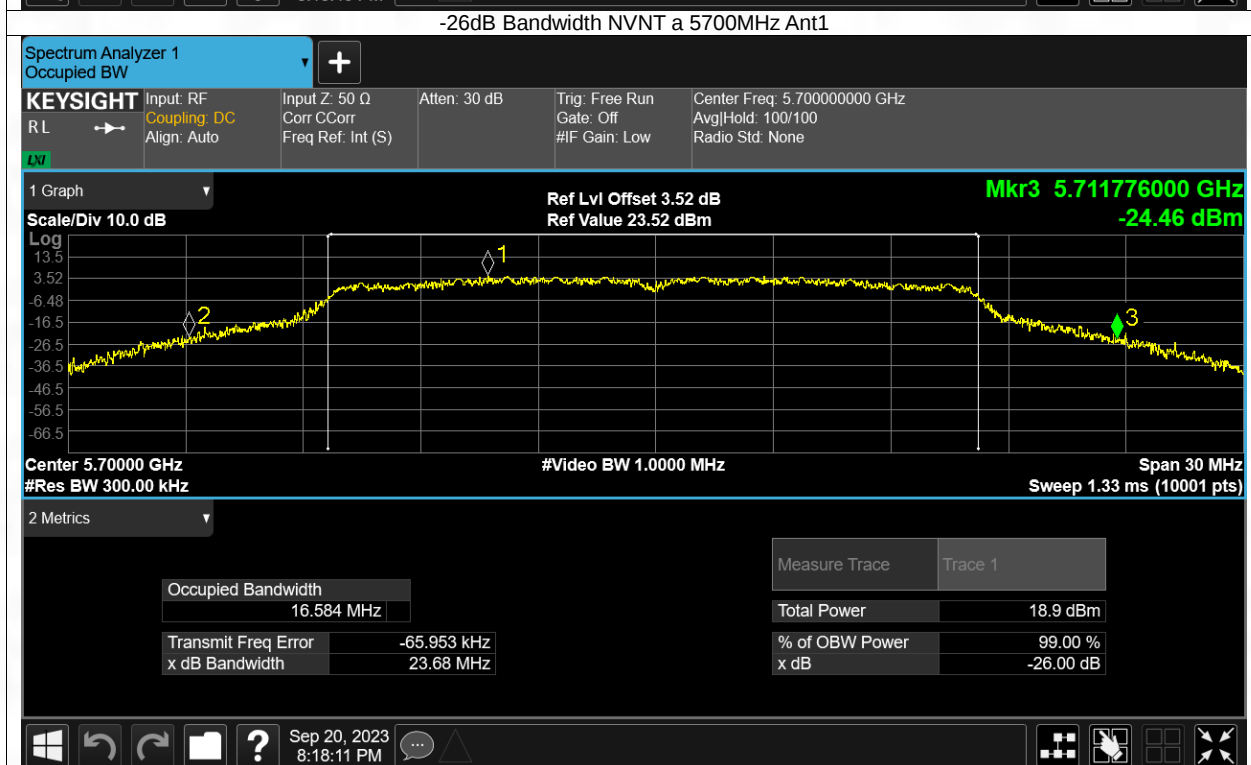
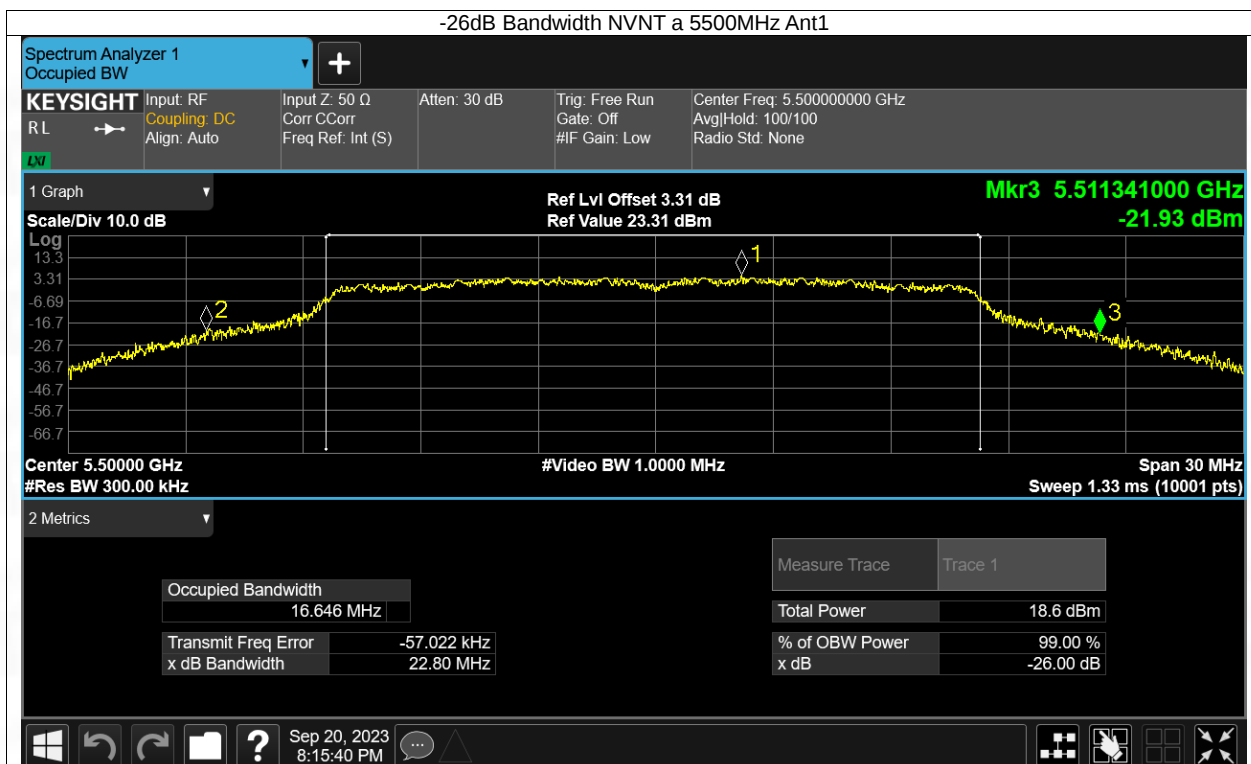
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	16.315	0.5	Pass

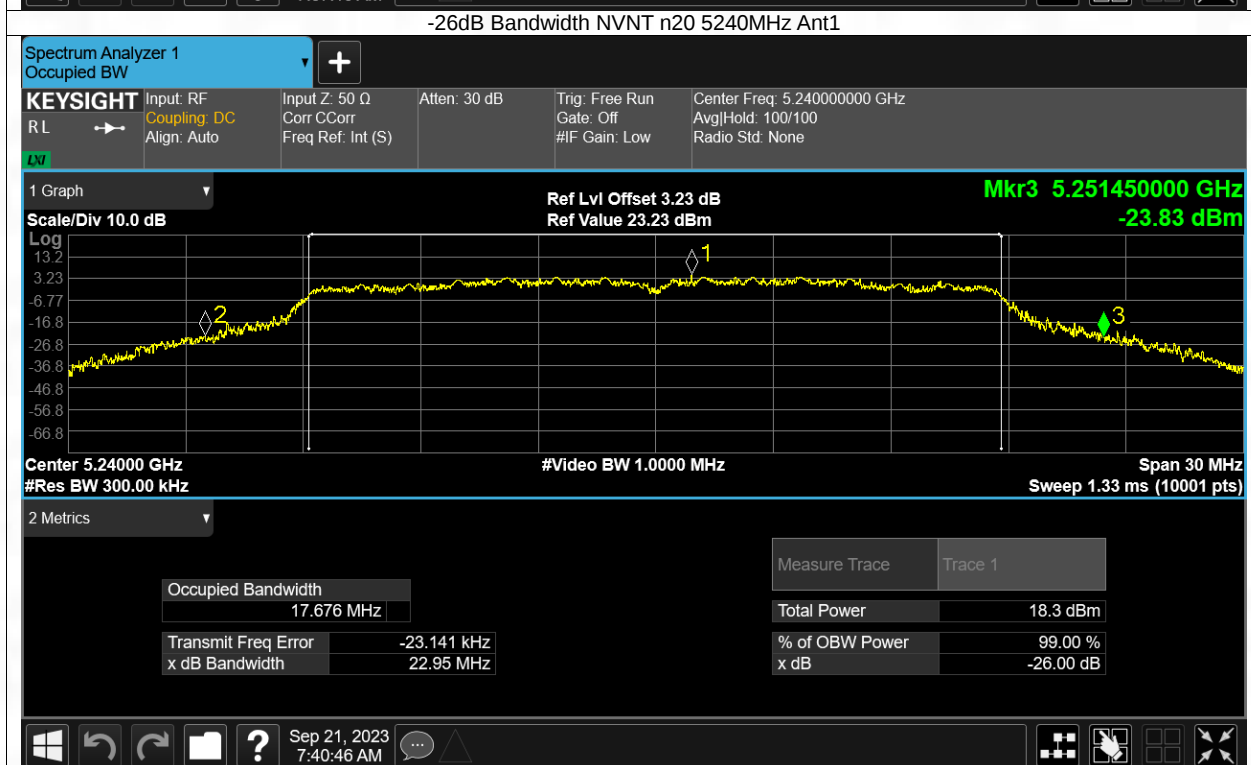
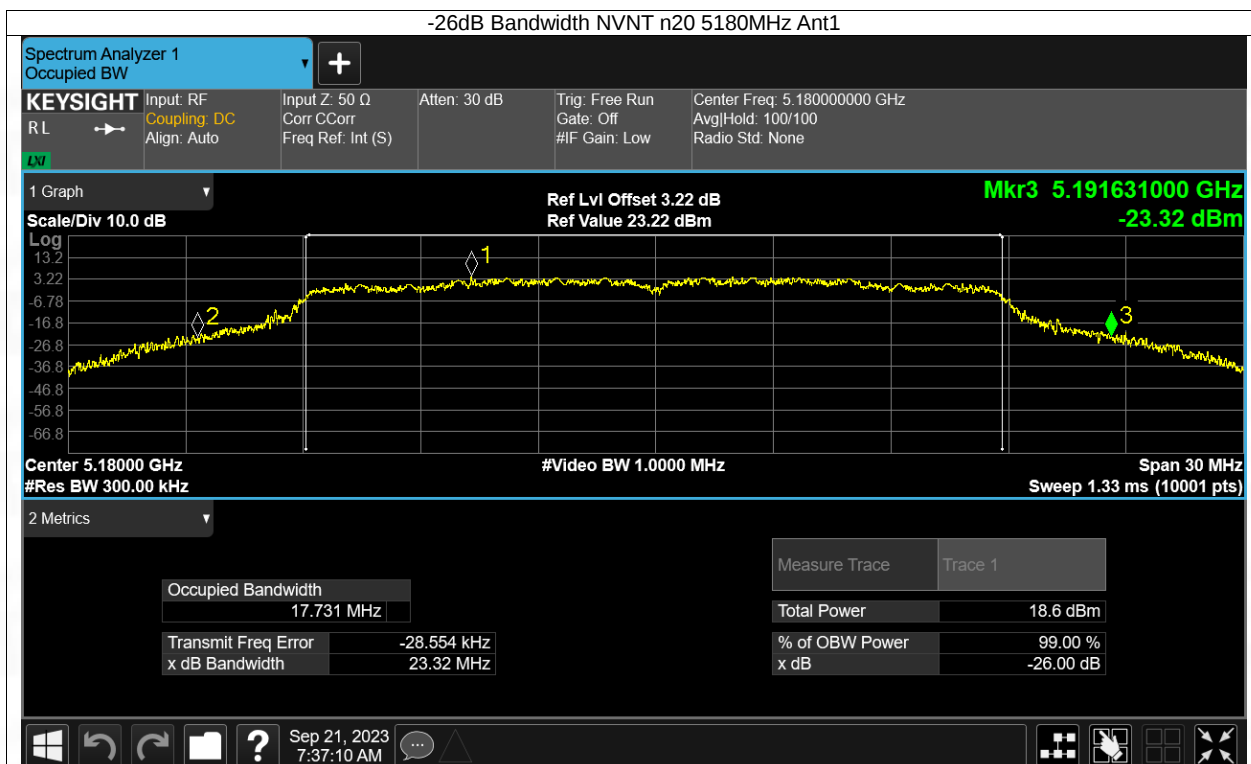
a	5825	Ant1	16.316	0.5	Pass
n20	5745	Ant1	17.558	0.5	Pass
n20	5825	Ant1	17.328	0.5	Pass
n40	5755	Ant1	36.334	0.5	Pass
n40	5795	Ant1	36.282	0.5	Pass
ac20	5745	Ant1	17.557	0.5	Pass
ac20	5825	Ant1	17.533	0.5	Pass
ac40	5755	Ant1	36.307	0.5	Pass
ac40	5795	Ant1	36.307	0.5	Pass
ac80	5775	Ant1	75.061	0.5	Pass
ax20	5745	Ant1	18.63	0.5	Pass
ax20	5825	Ant1	18.247	0.5	Pass
ax40	5755	Ant1	37.665	0.5	Pass
ax40	5795	Ant1	37.853	0.5	Pass
ax80	5775	Ant1	74.998	0.5	Pass

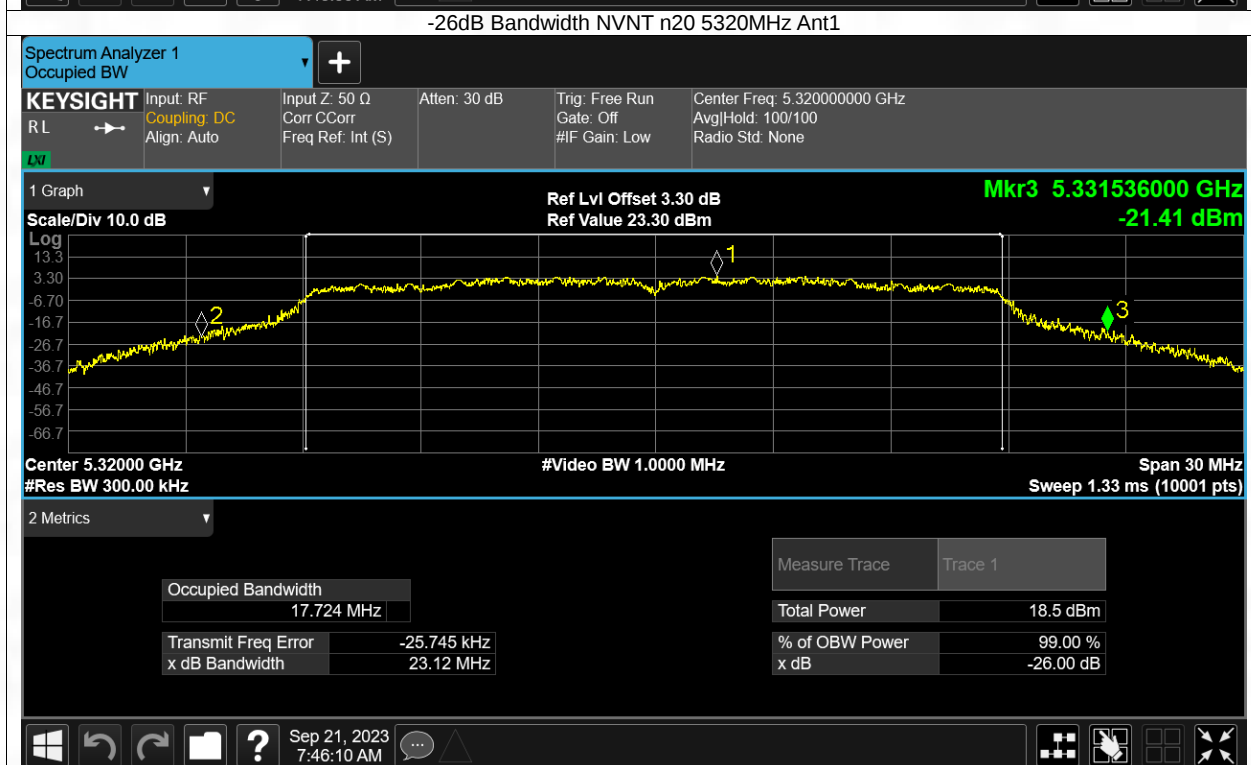
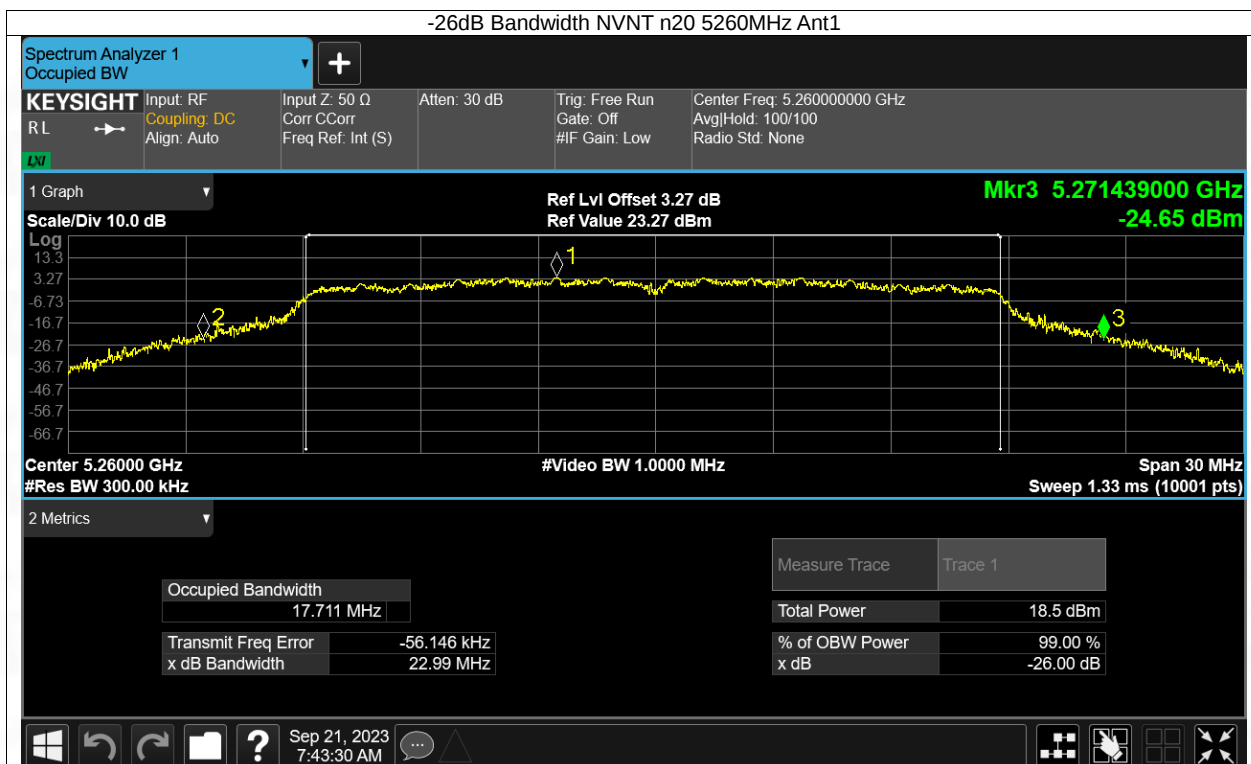
1.1.2 Test Graph

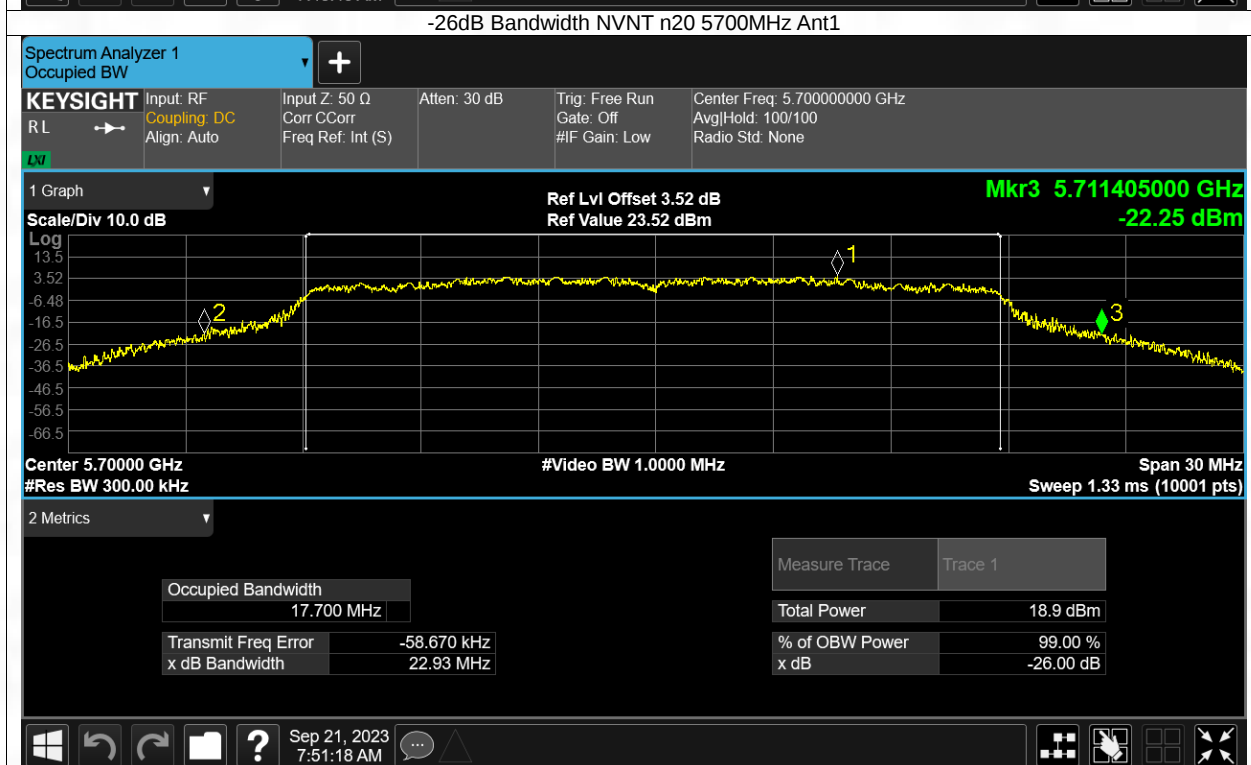
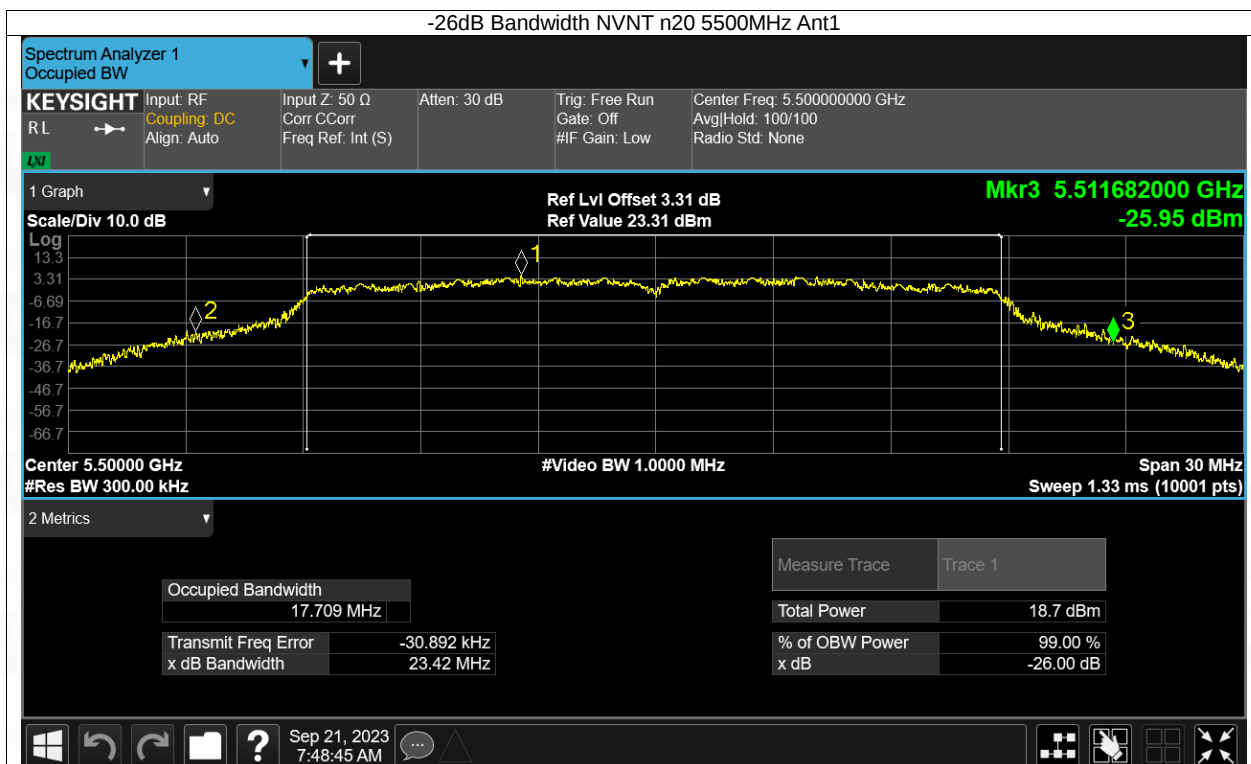


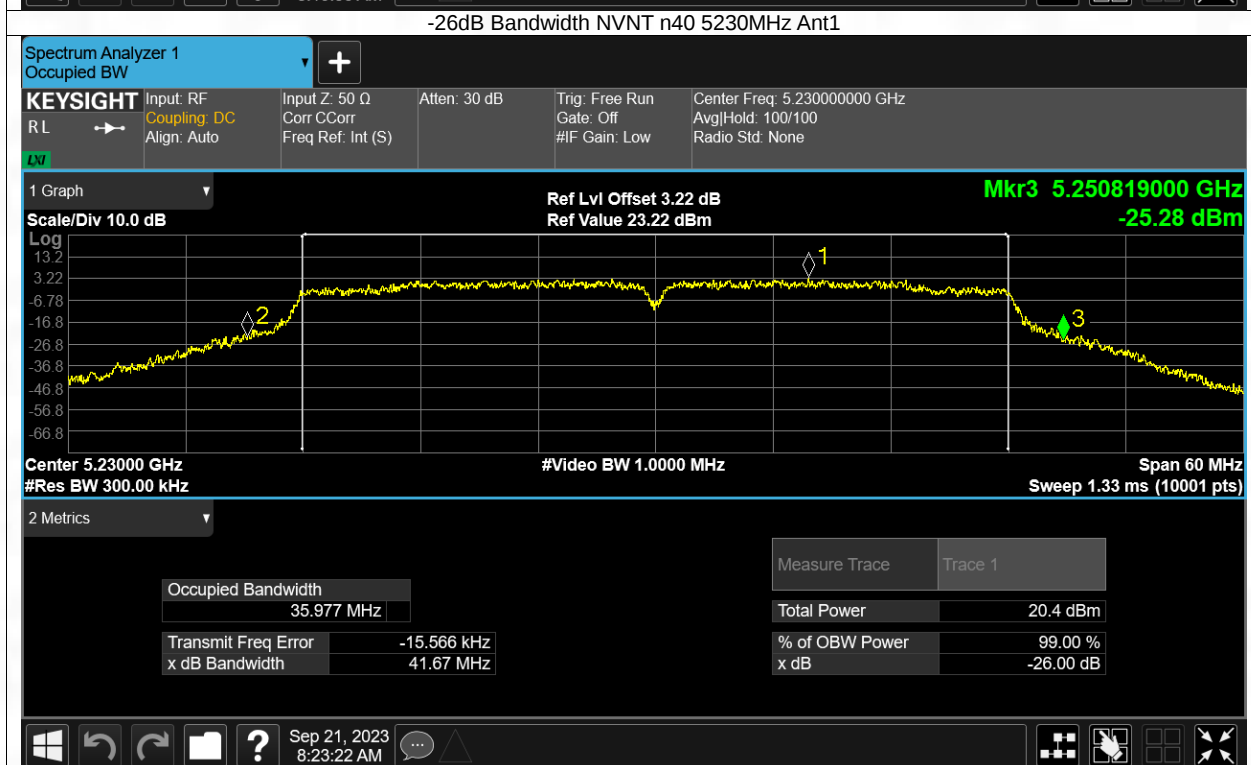
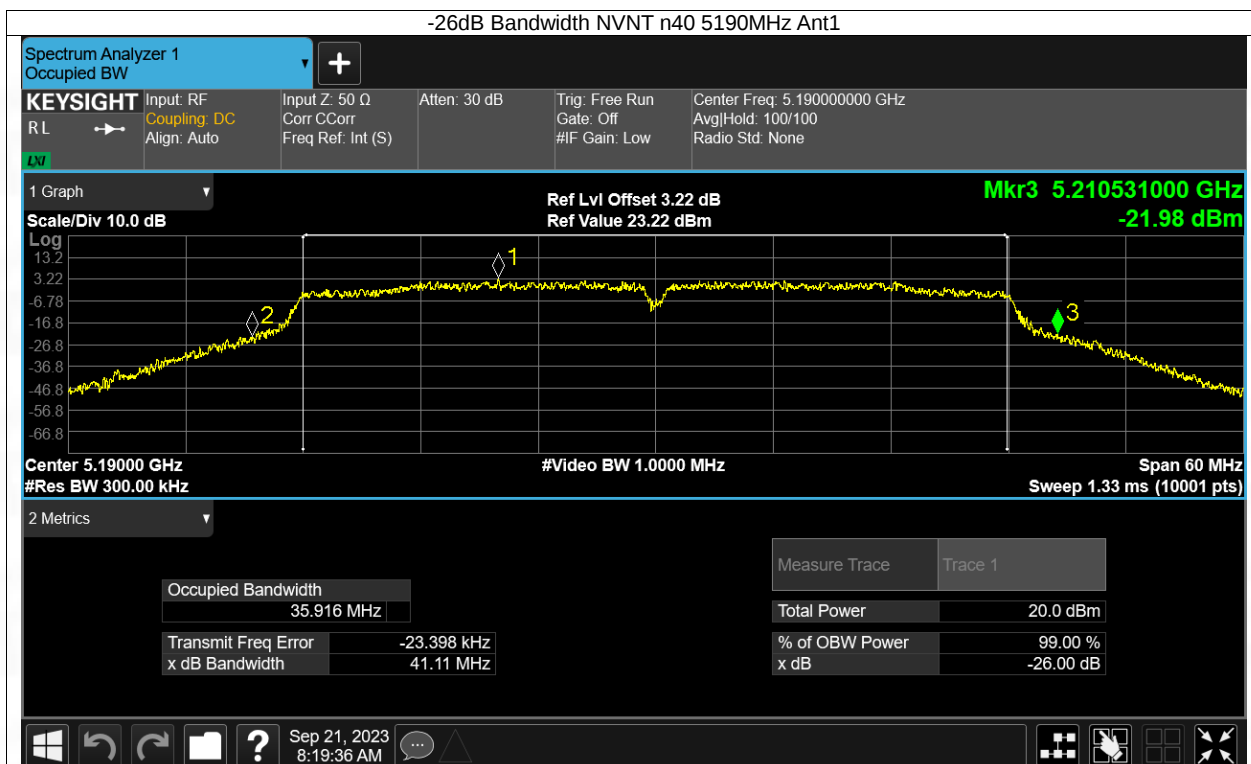


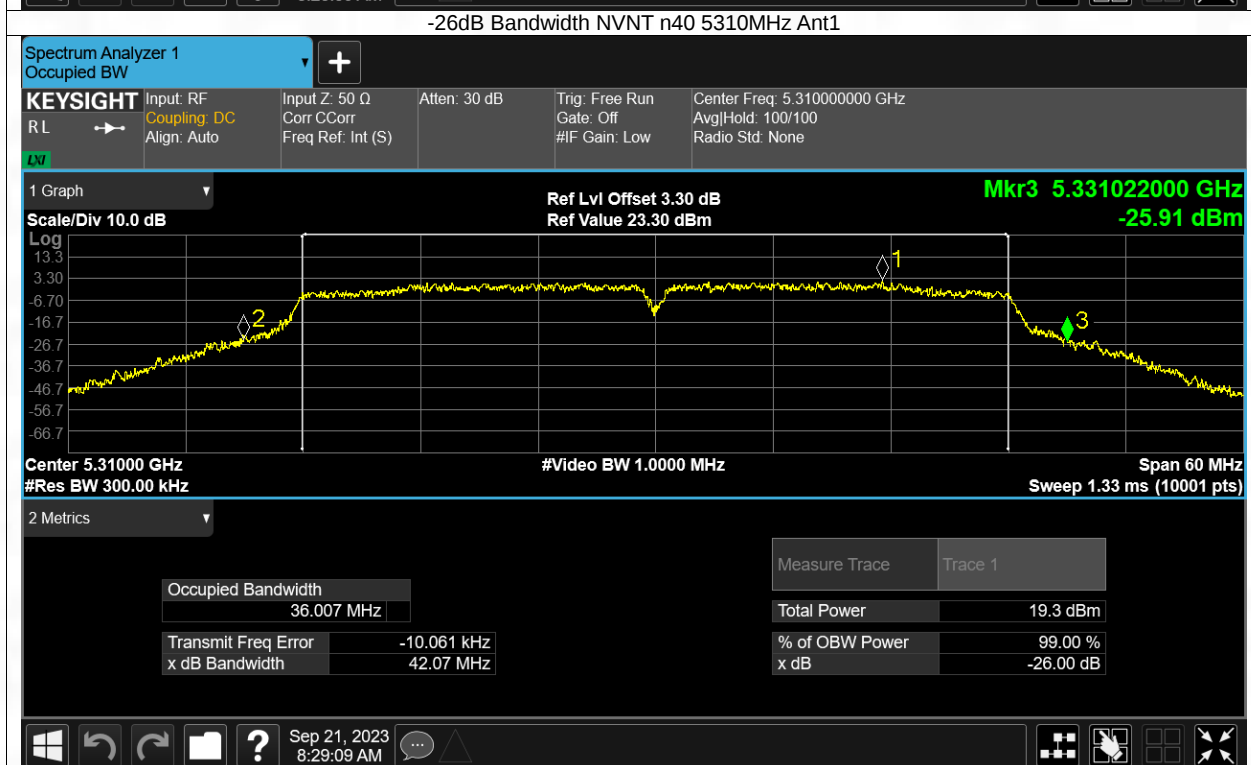
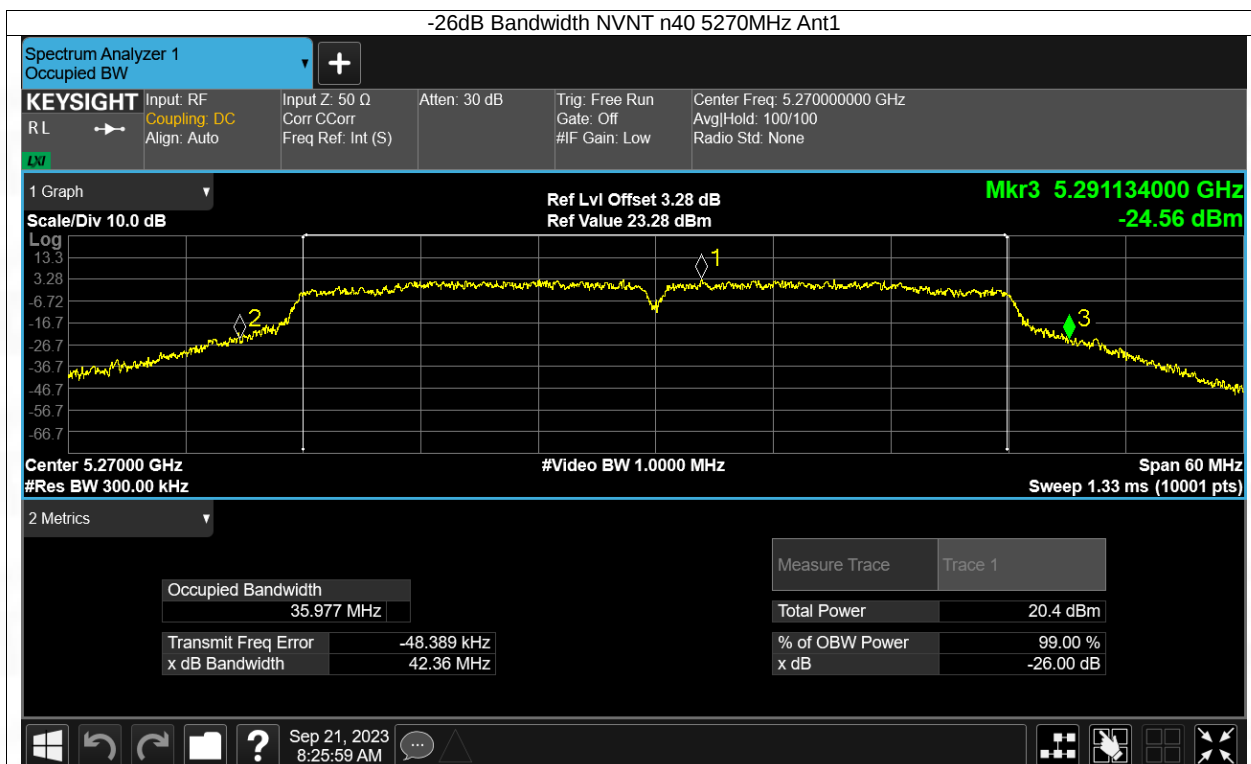


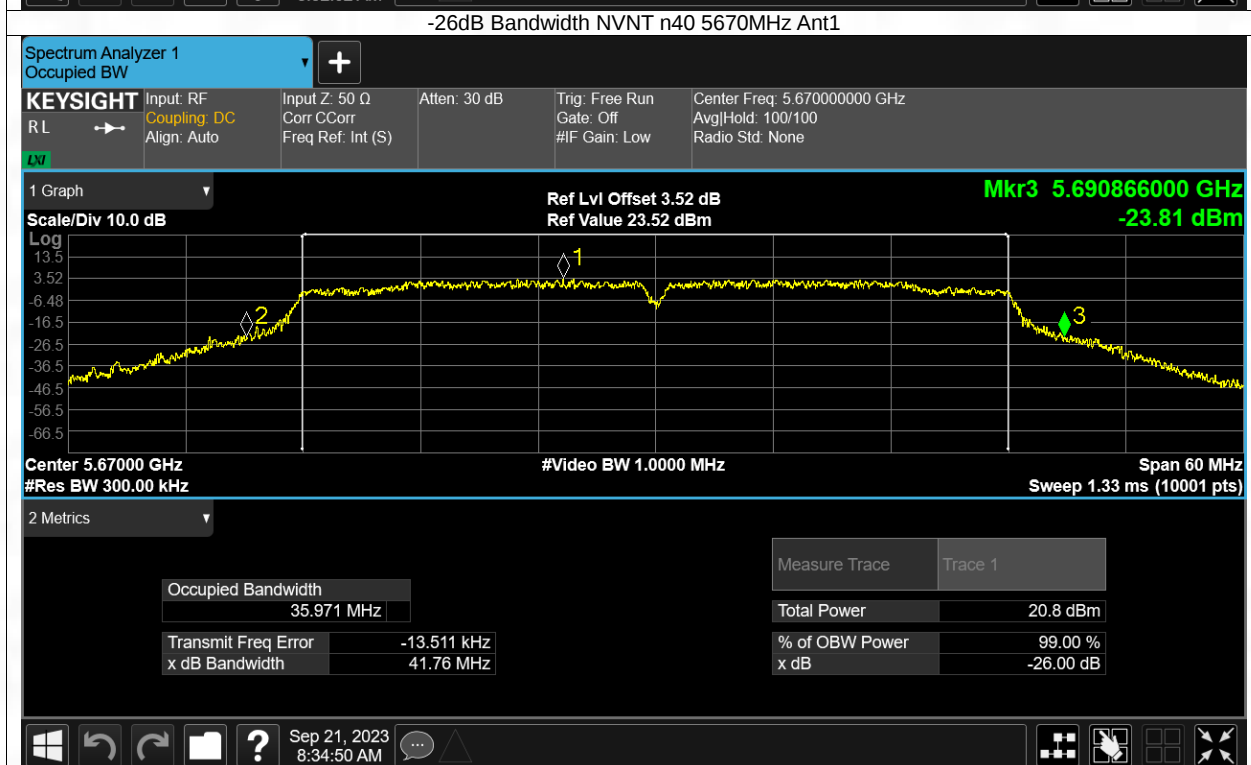
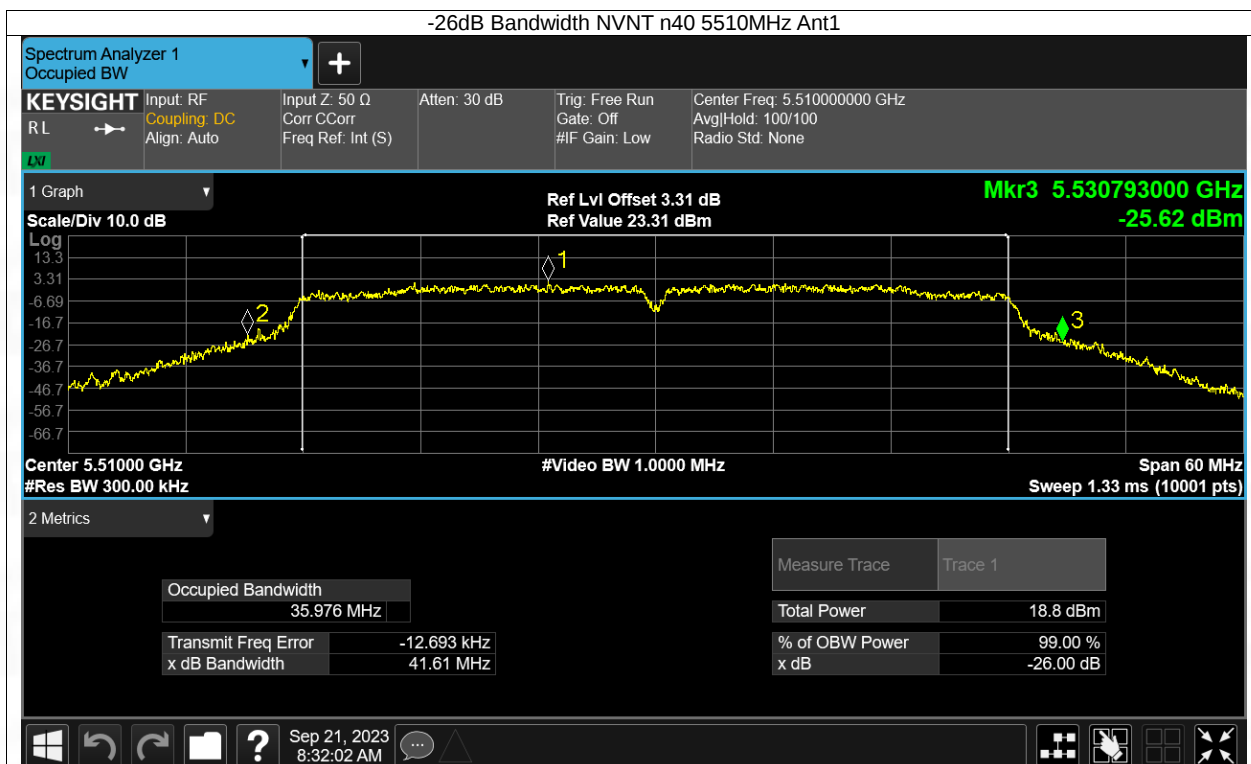


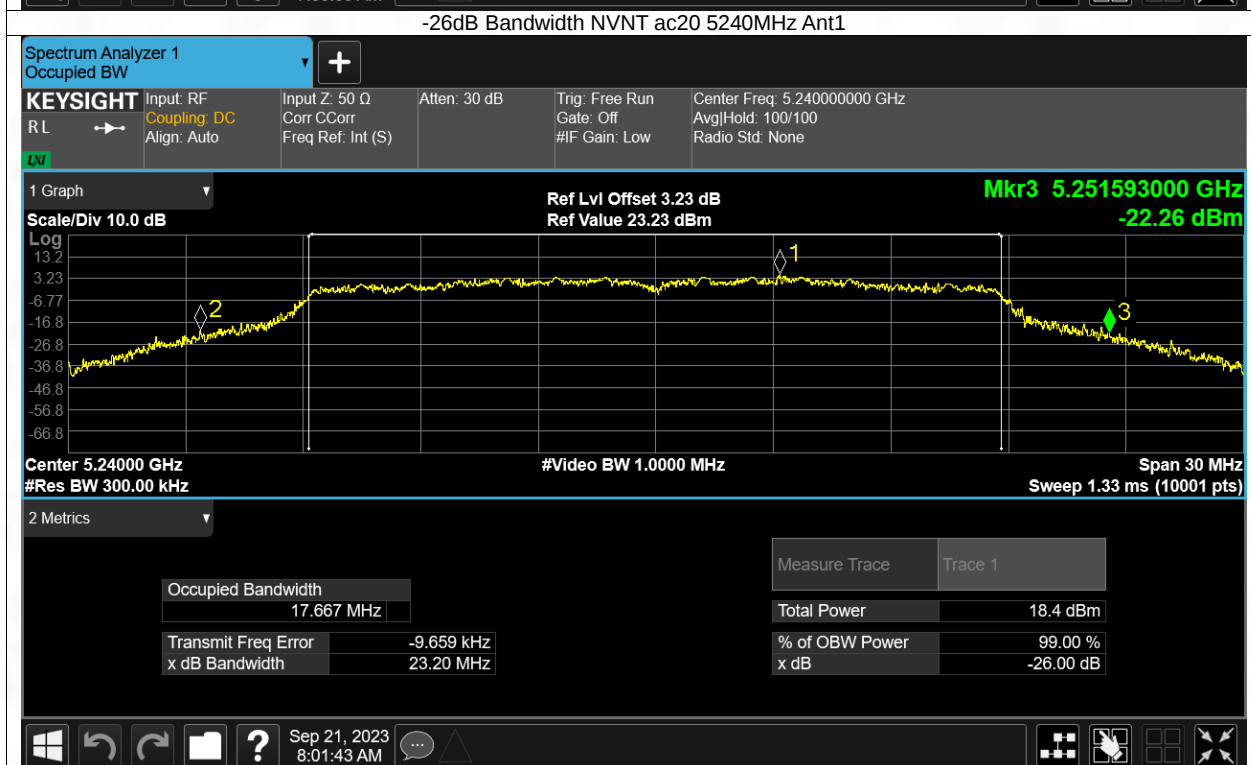
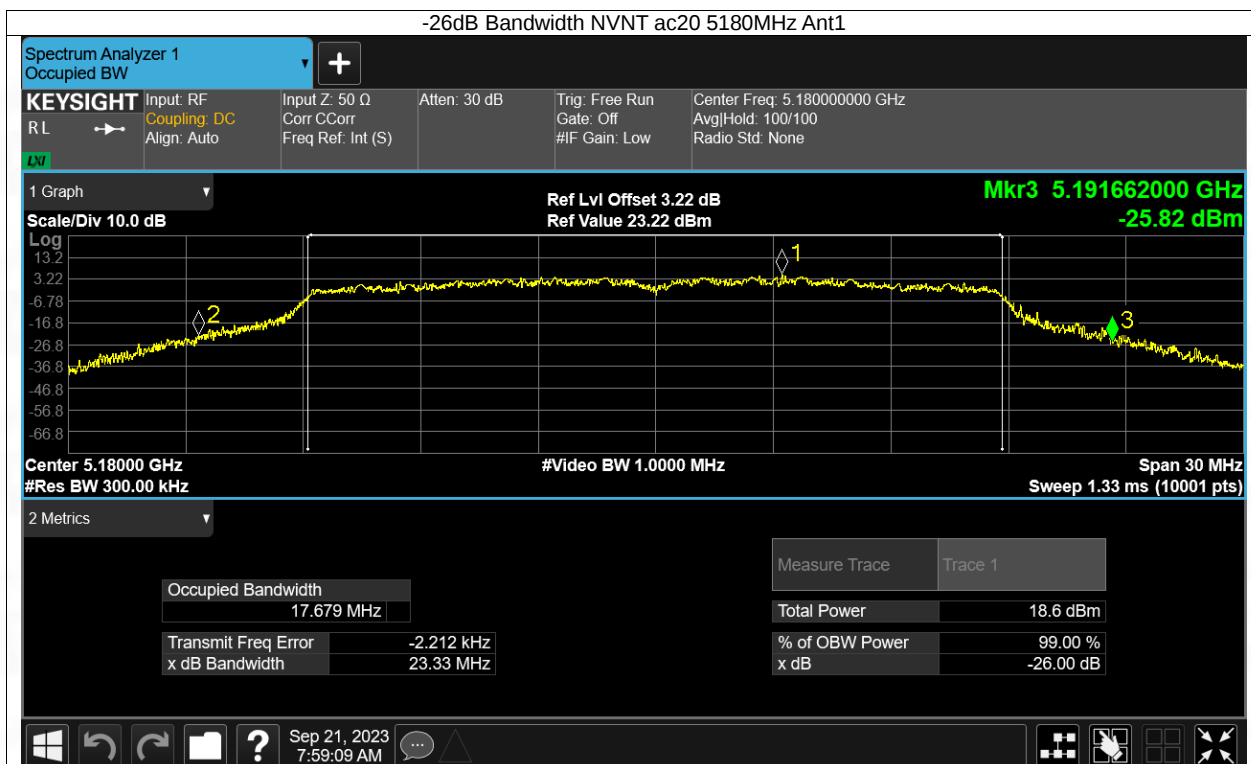


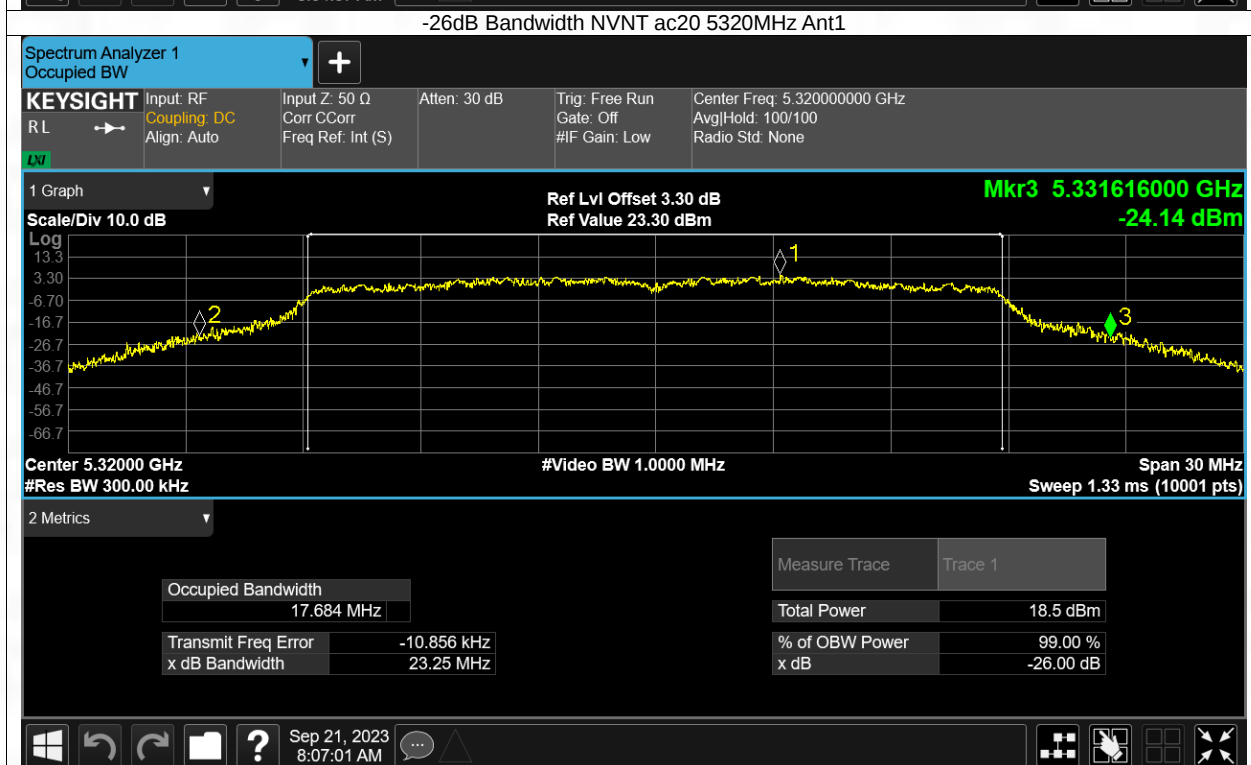
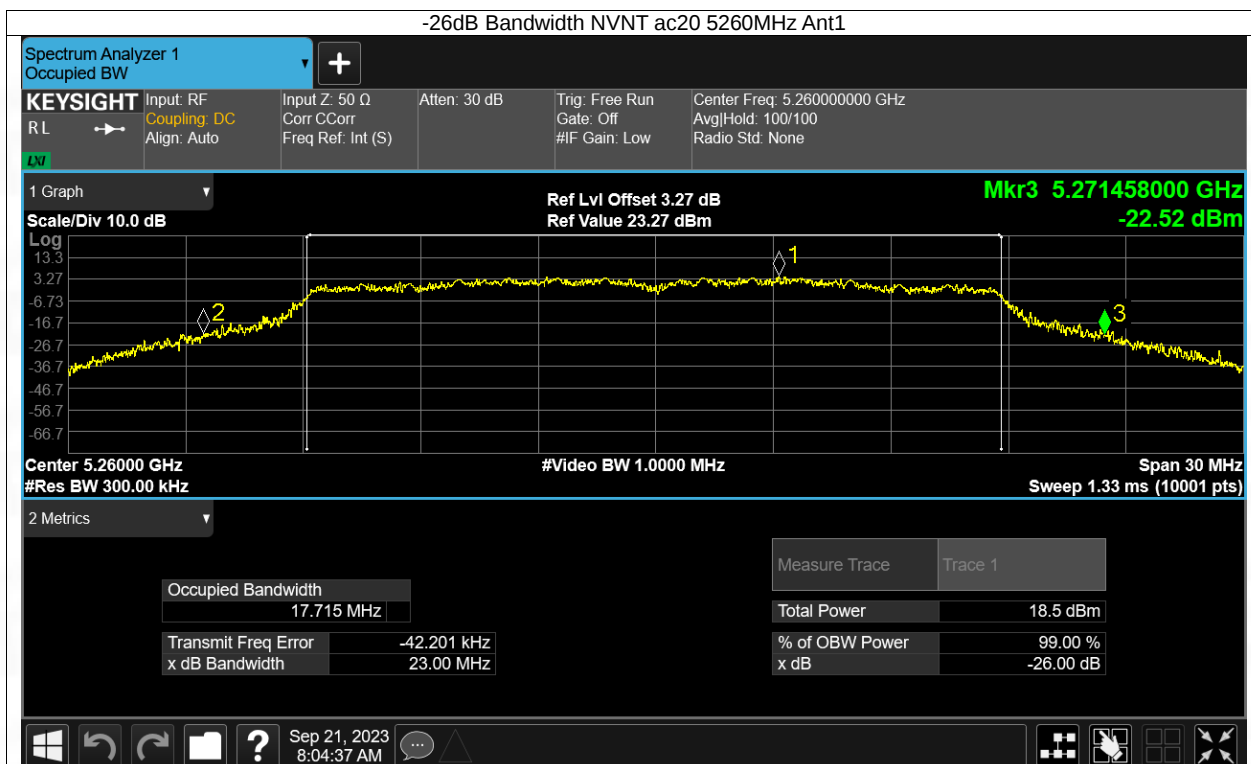


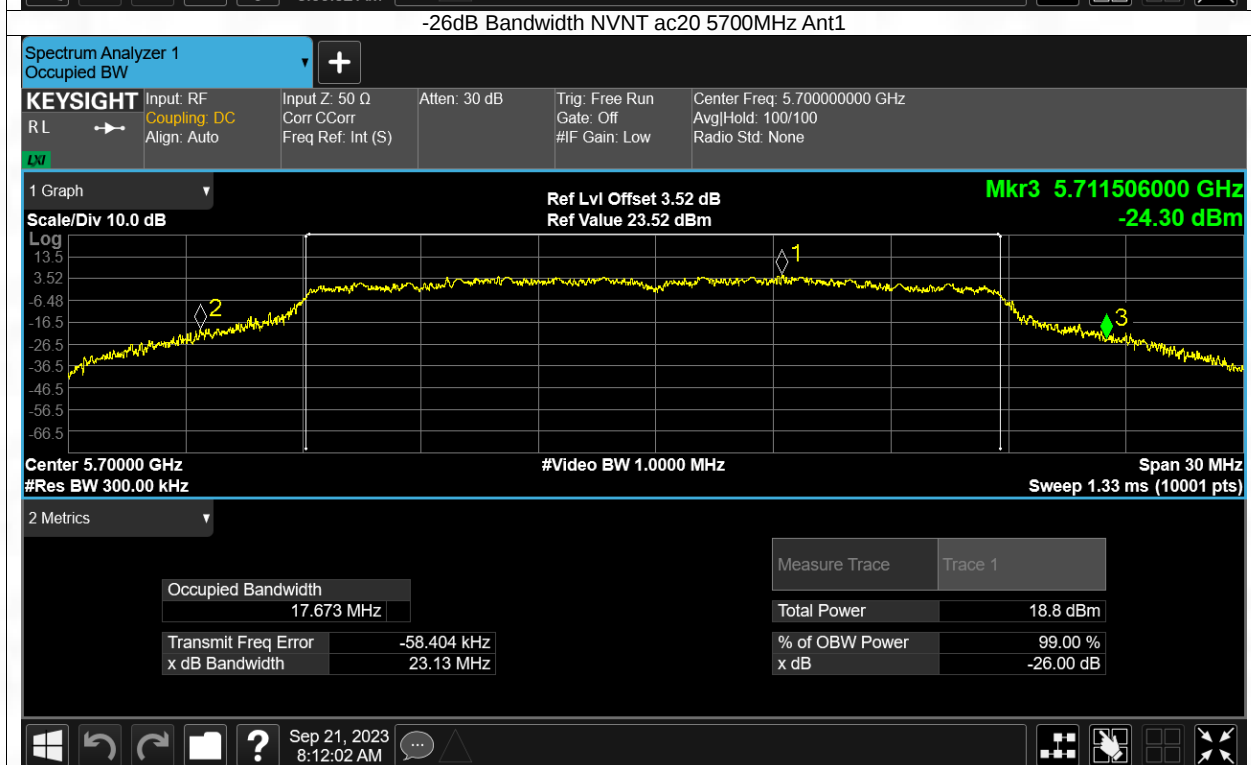
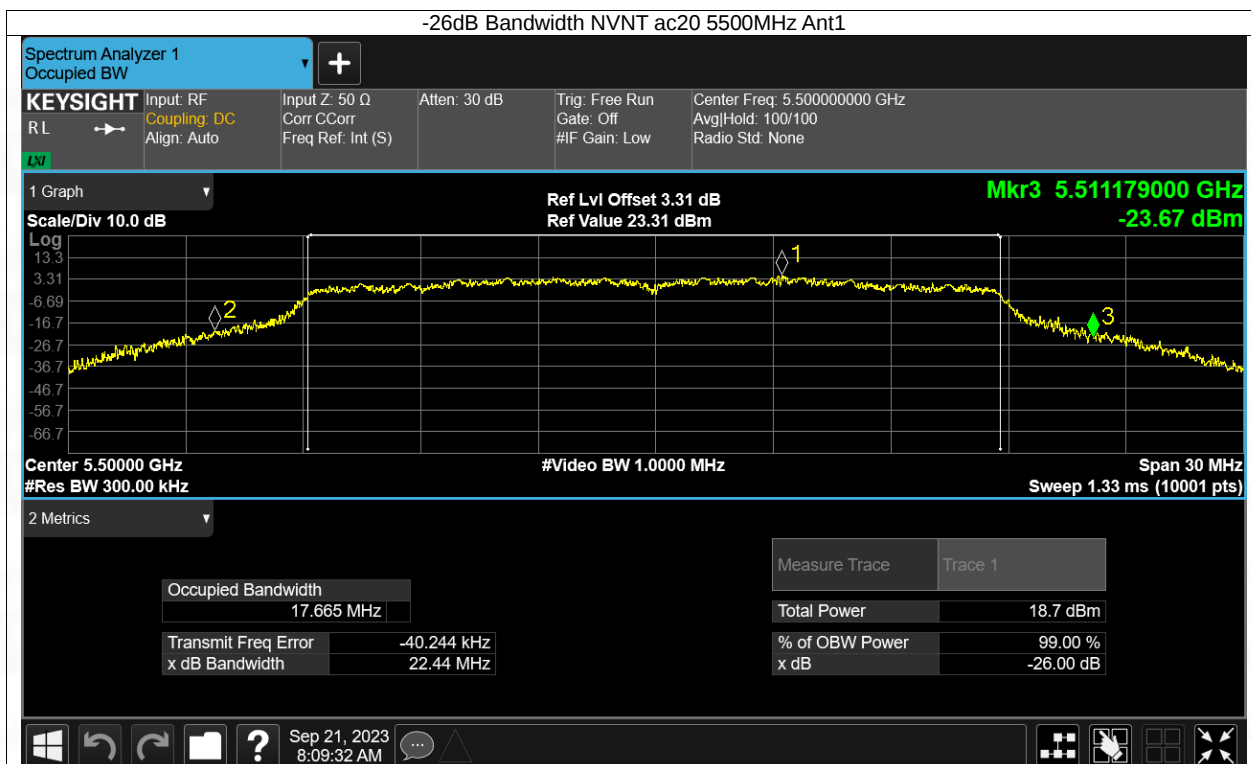


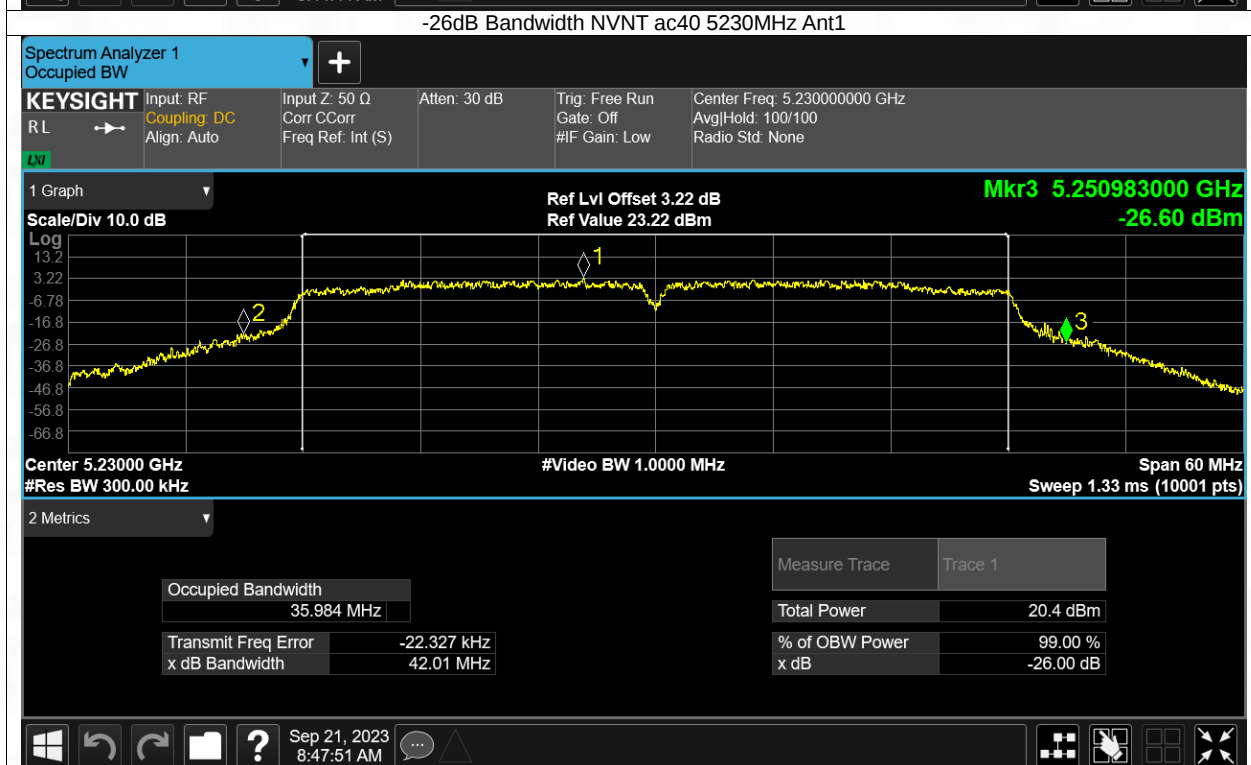
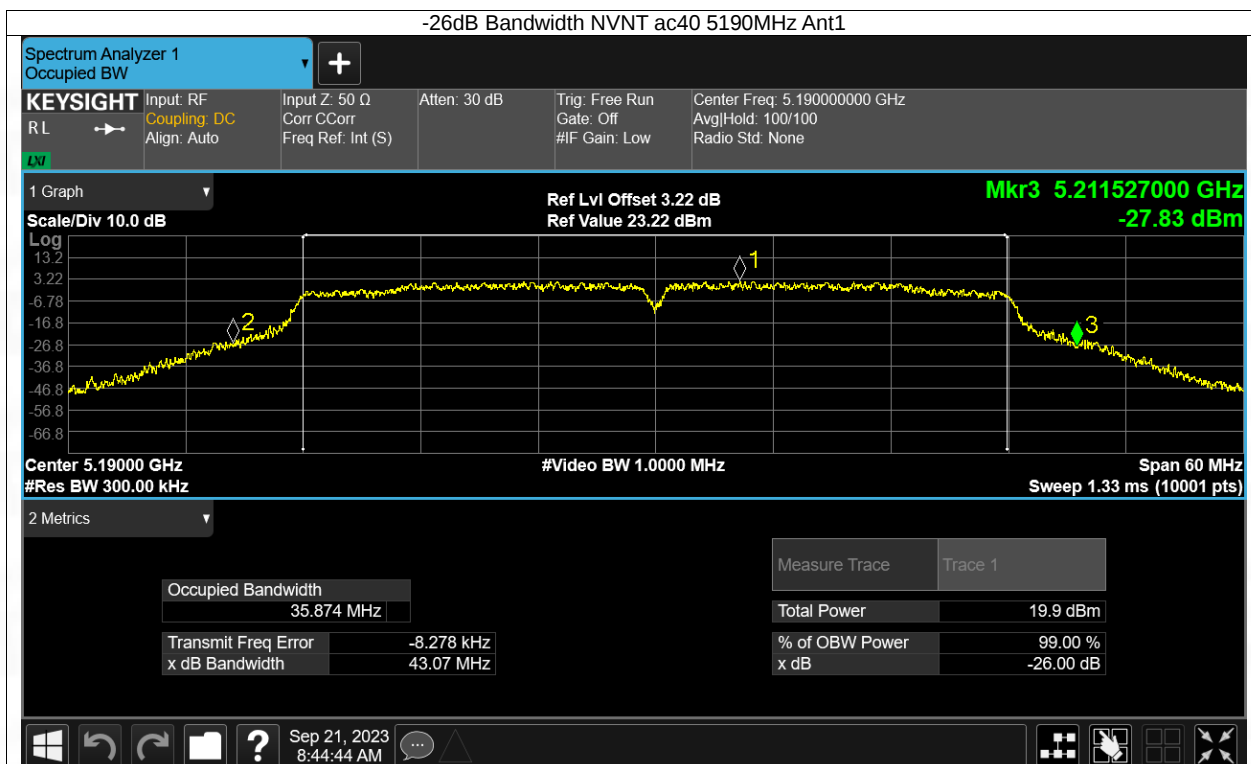


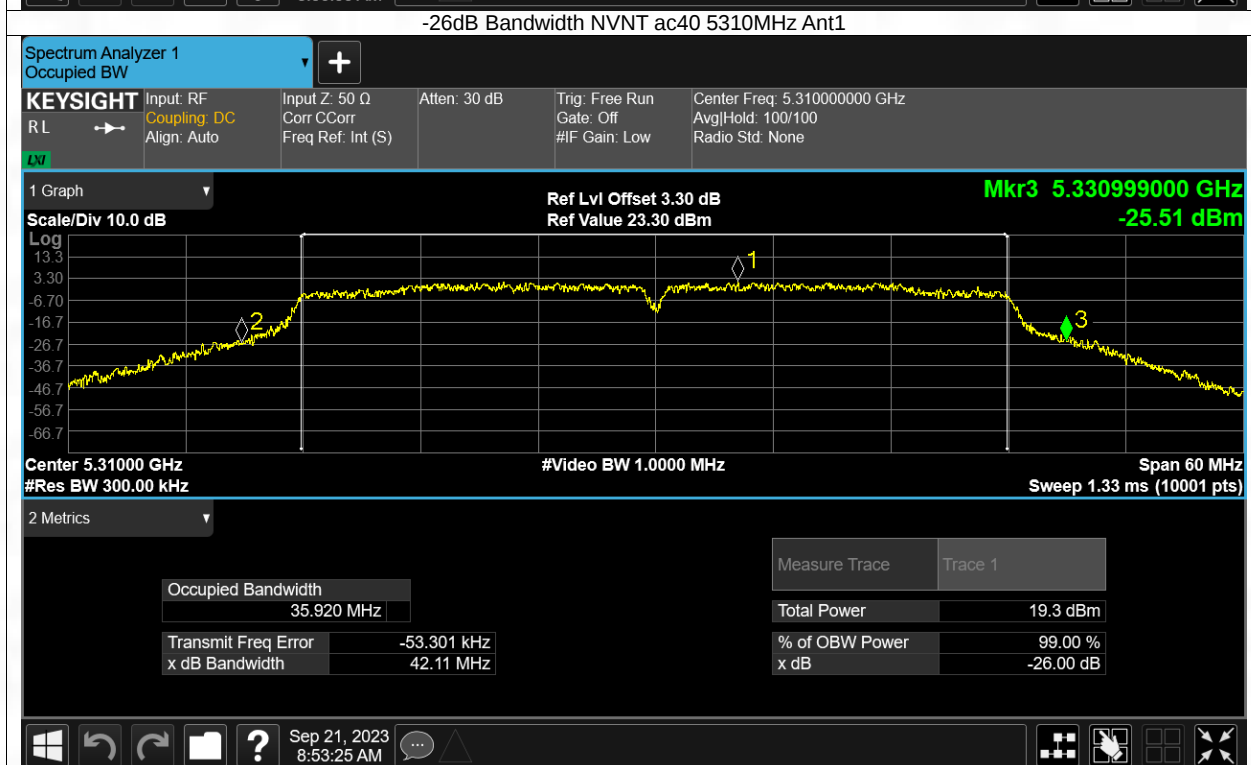
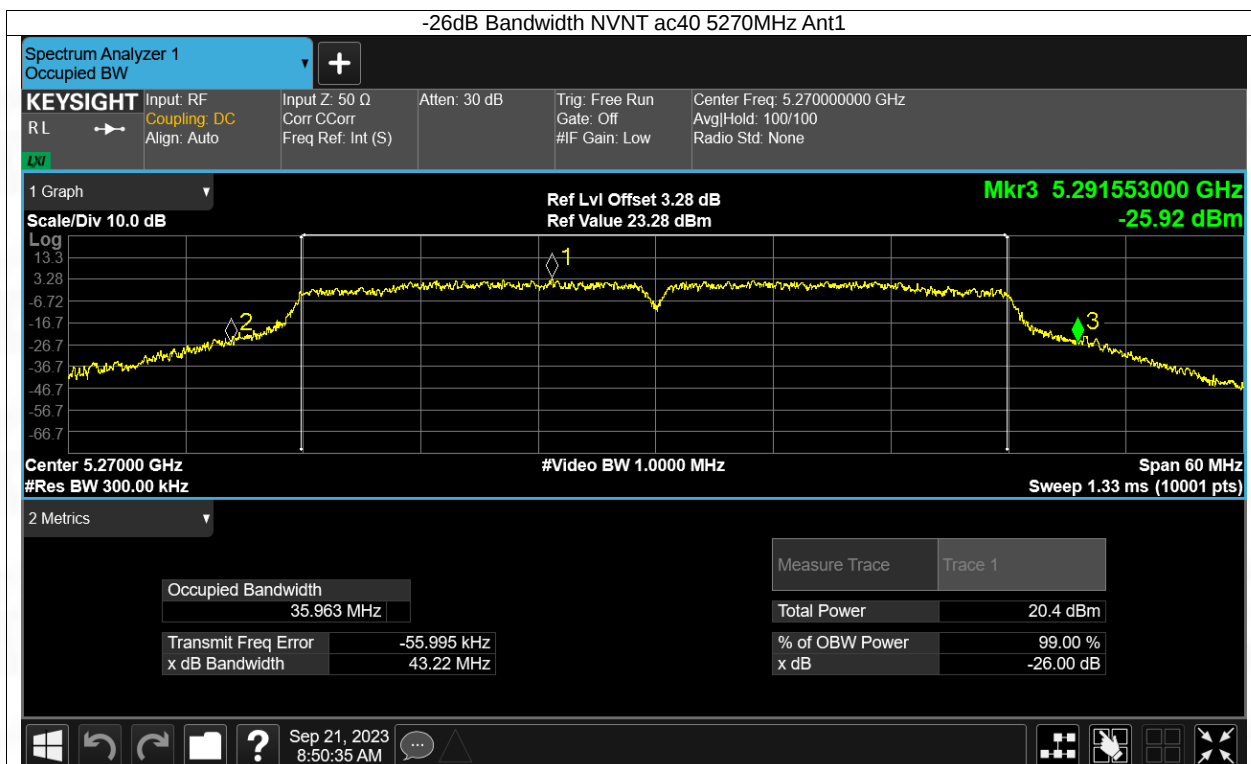


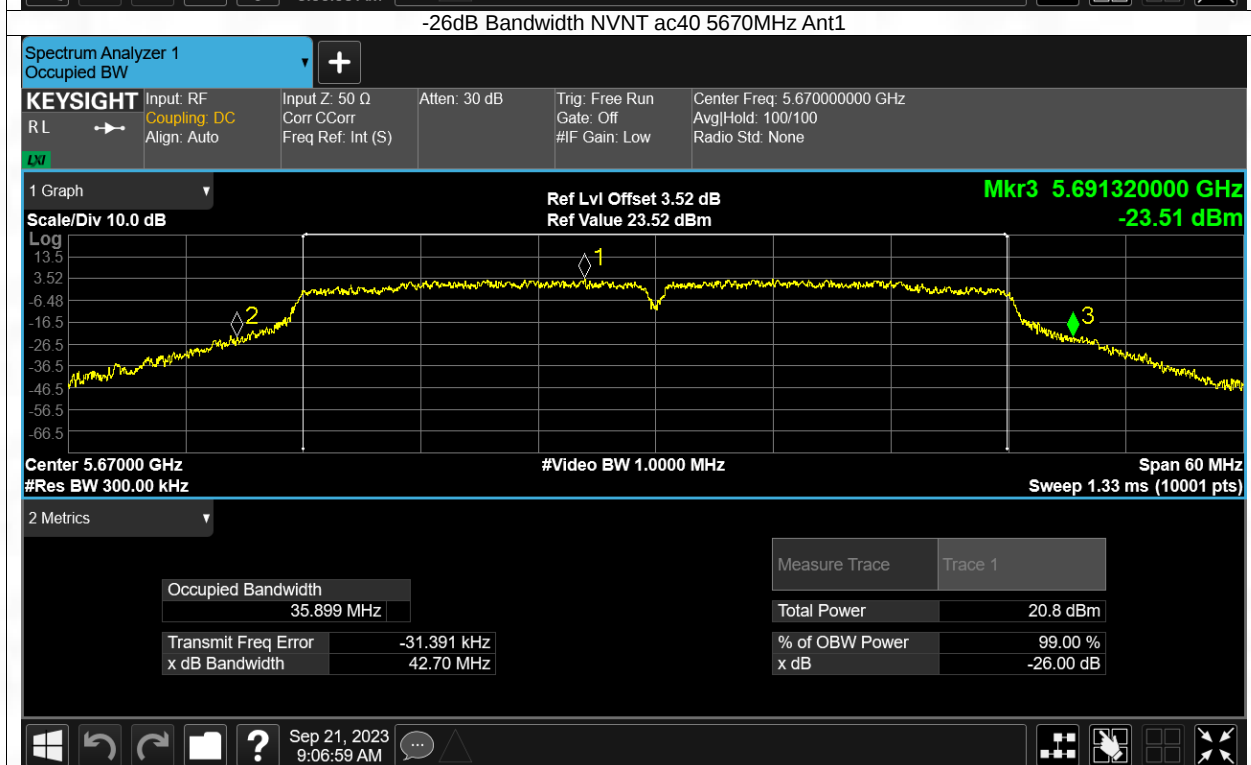
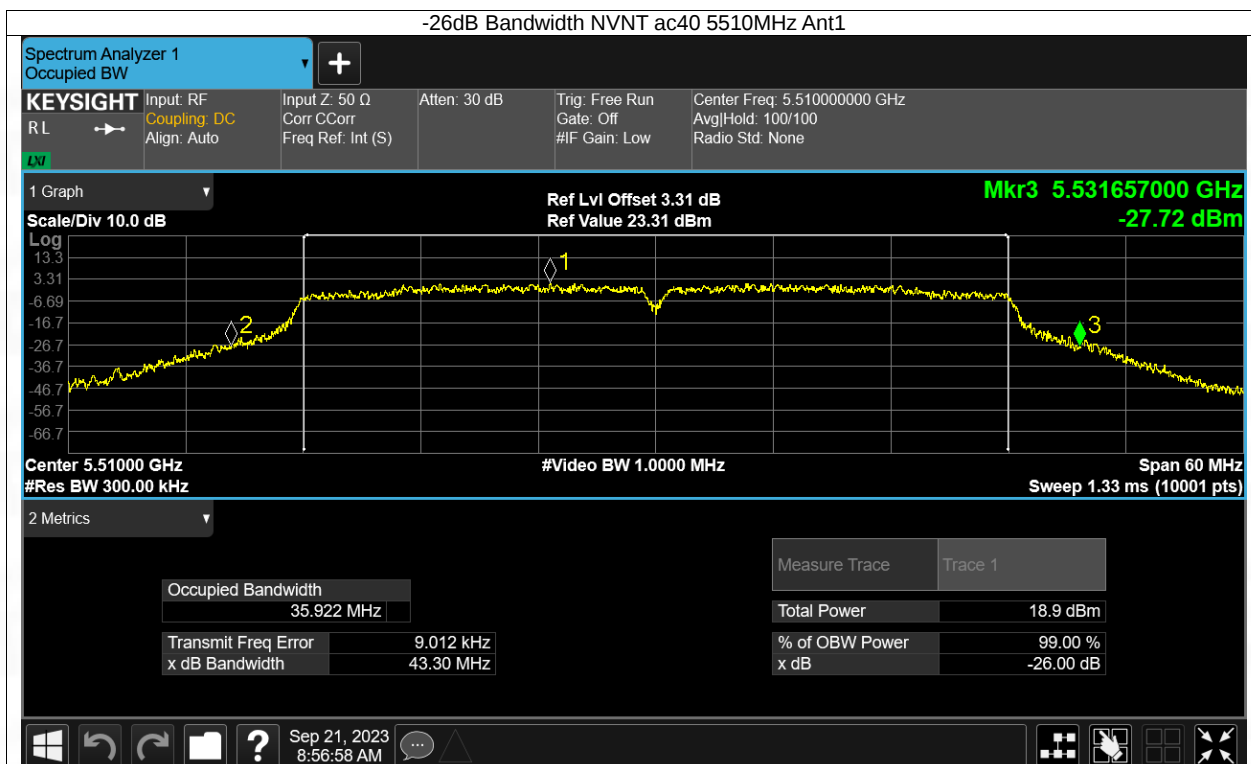


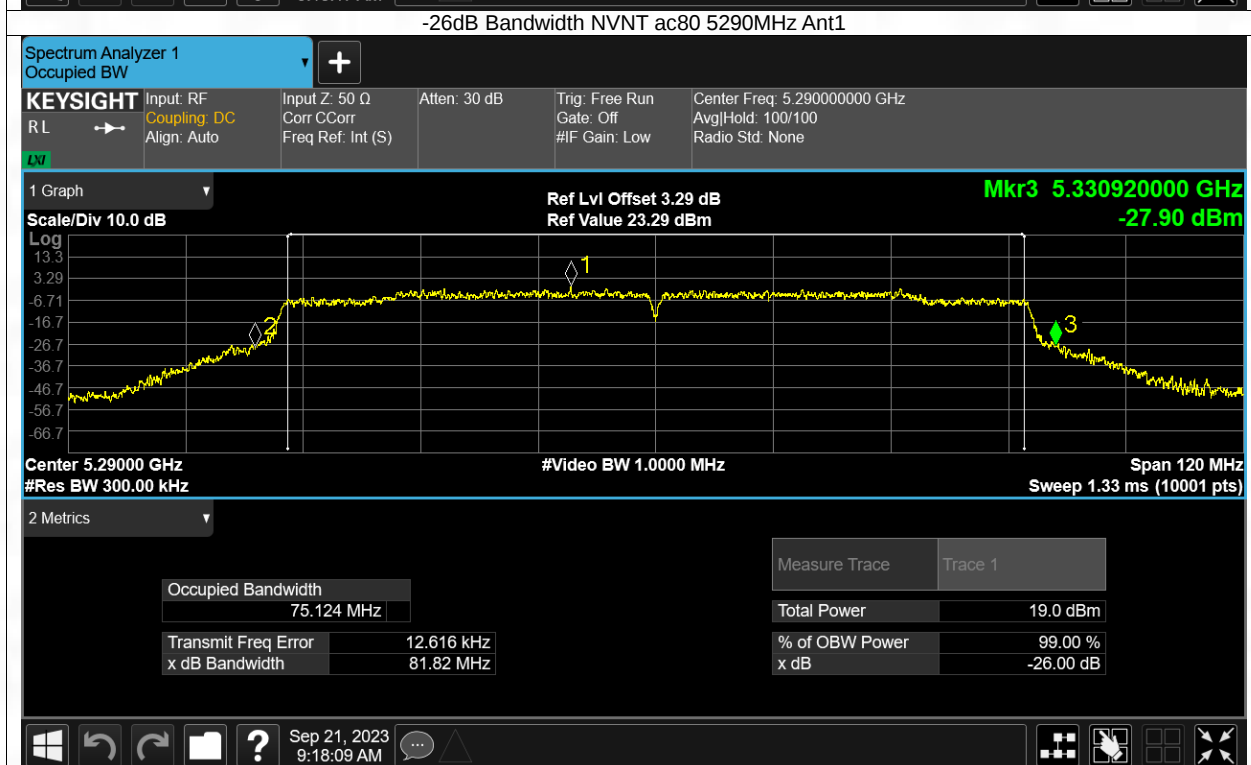
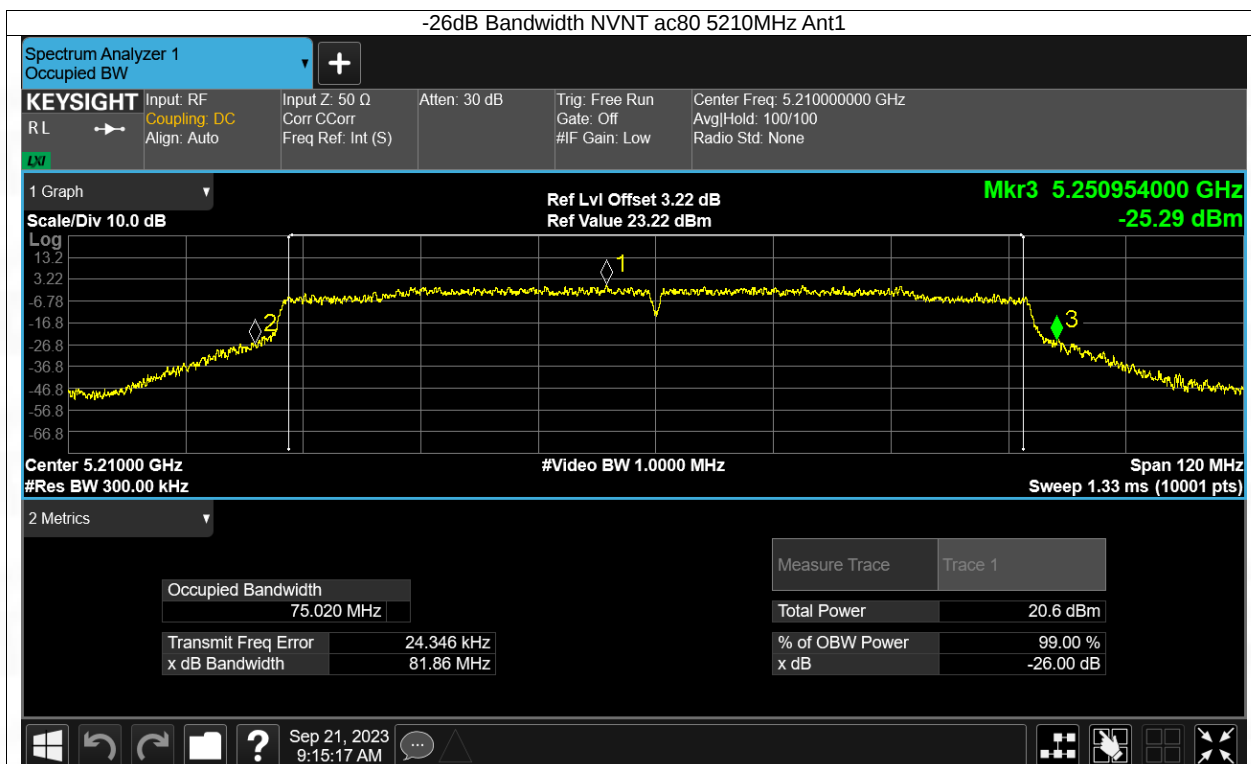


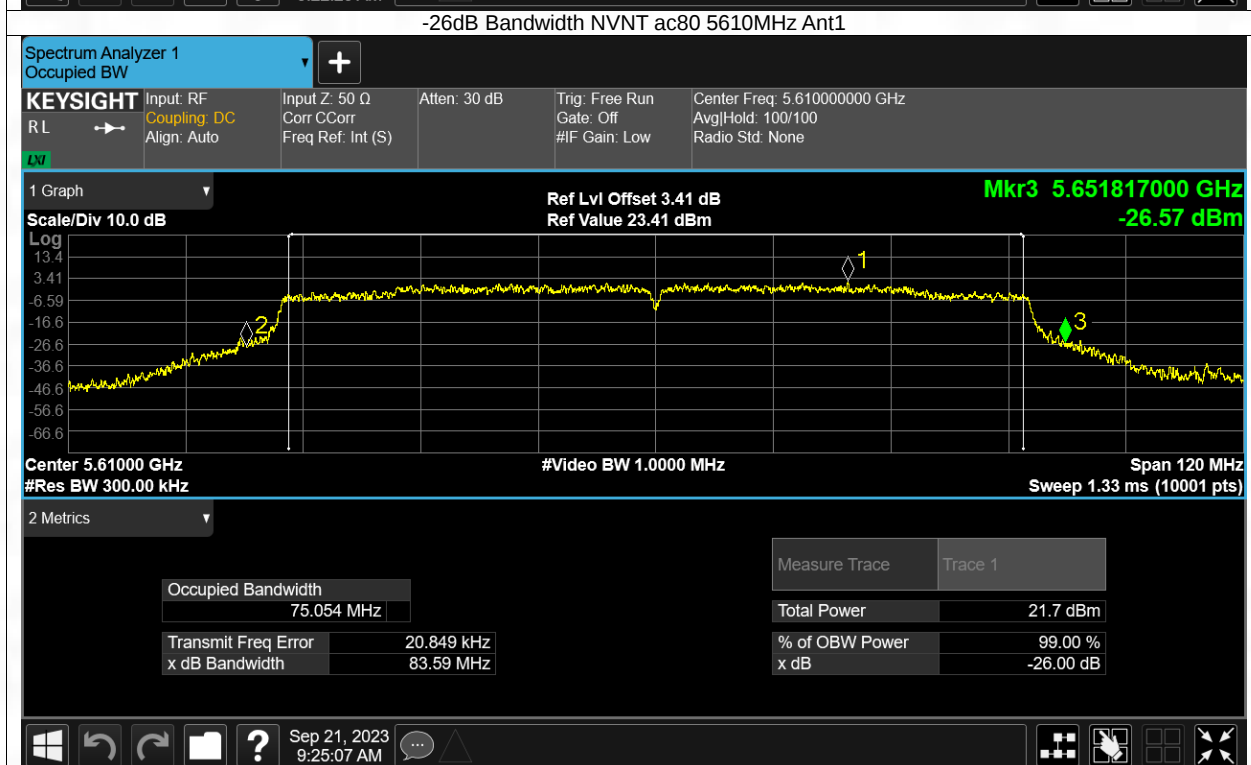
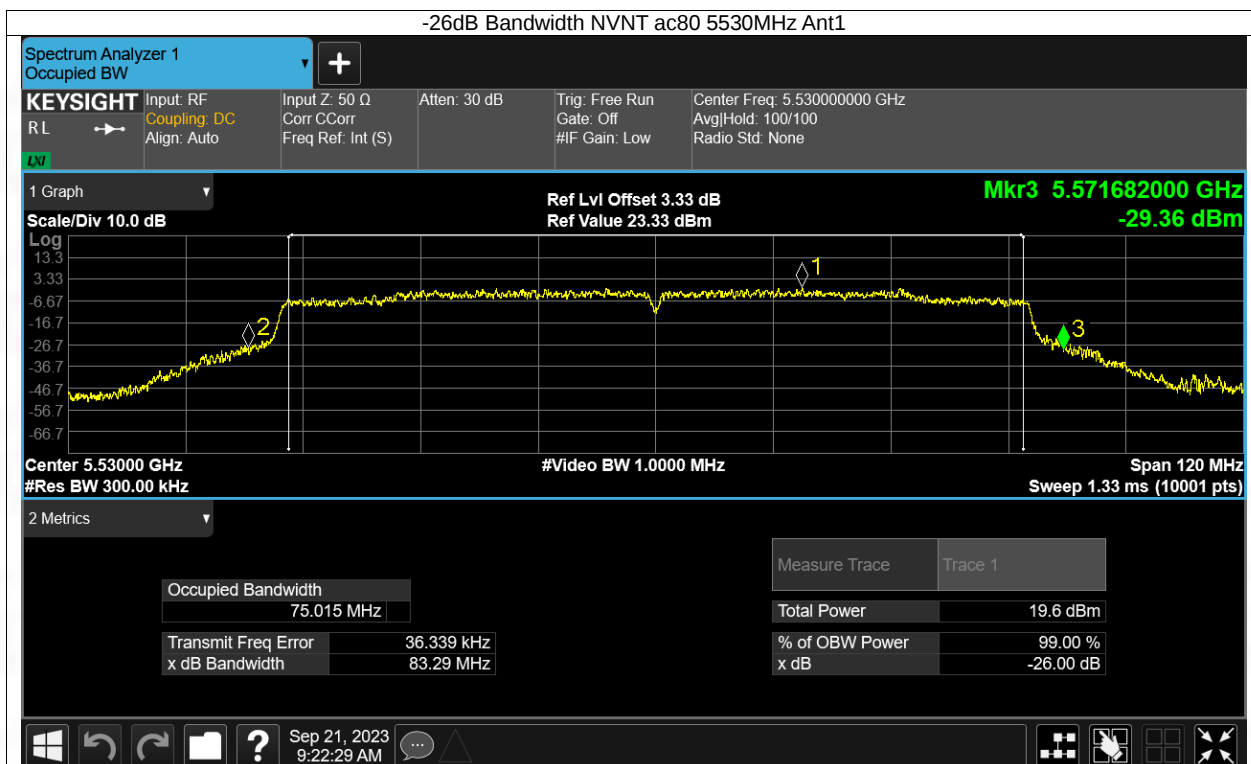


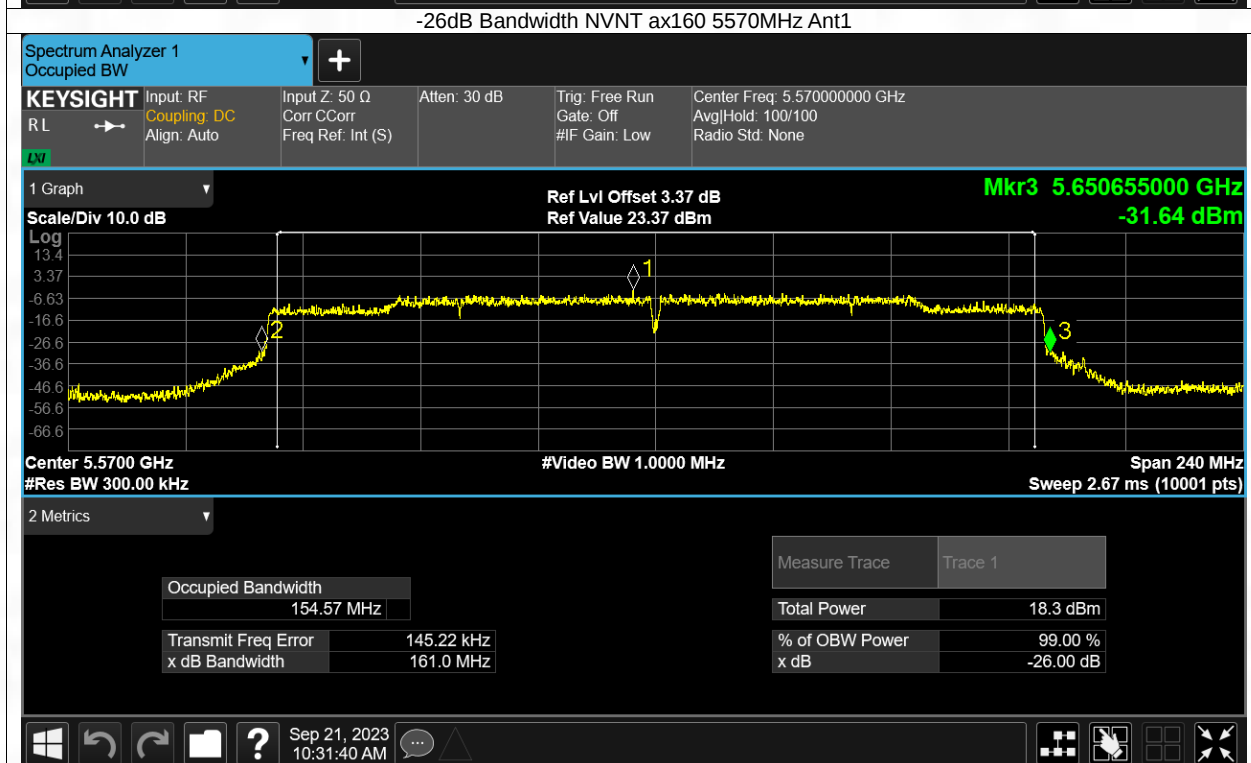
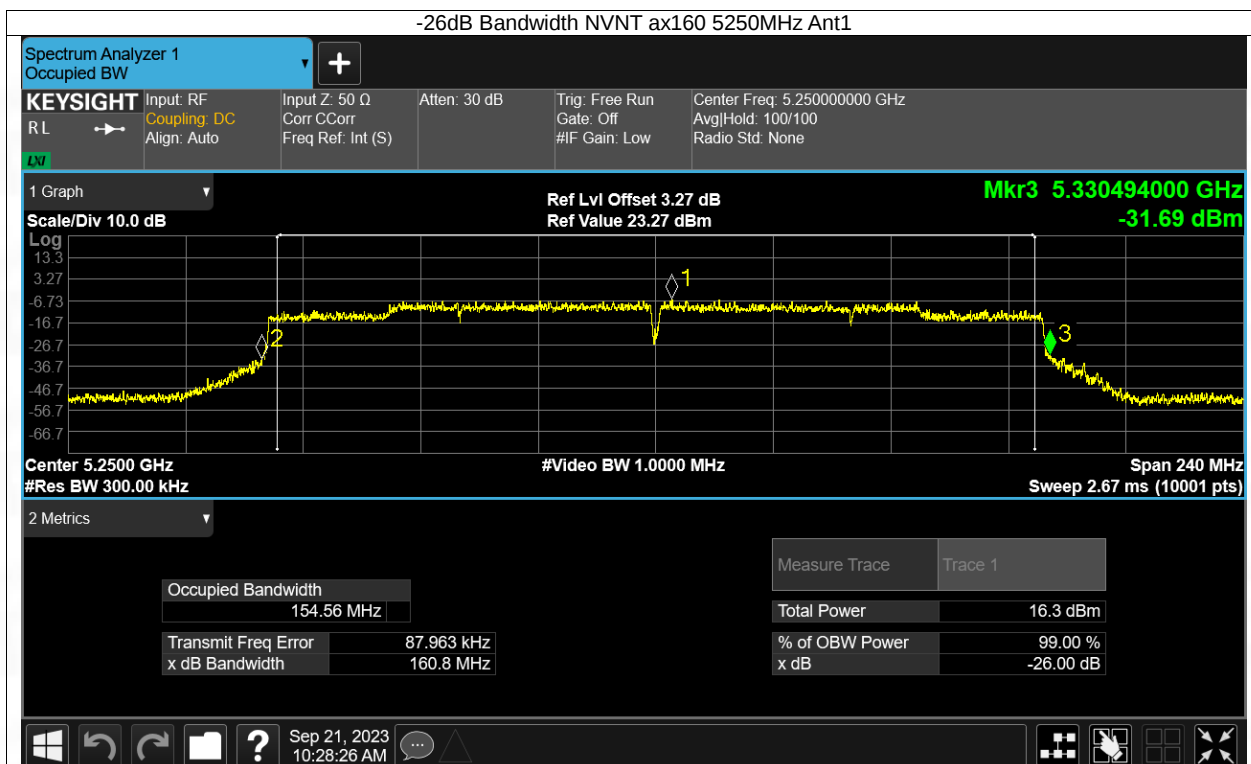




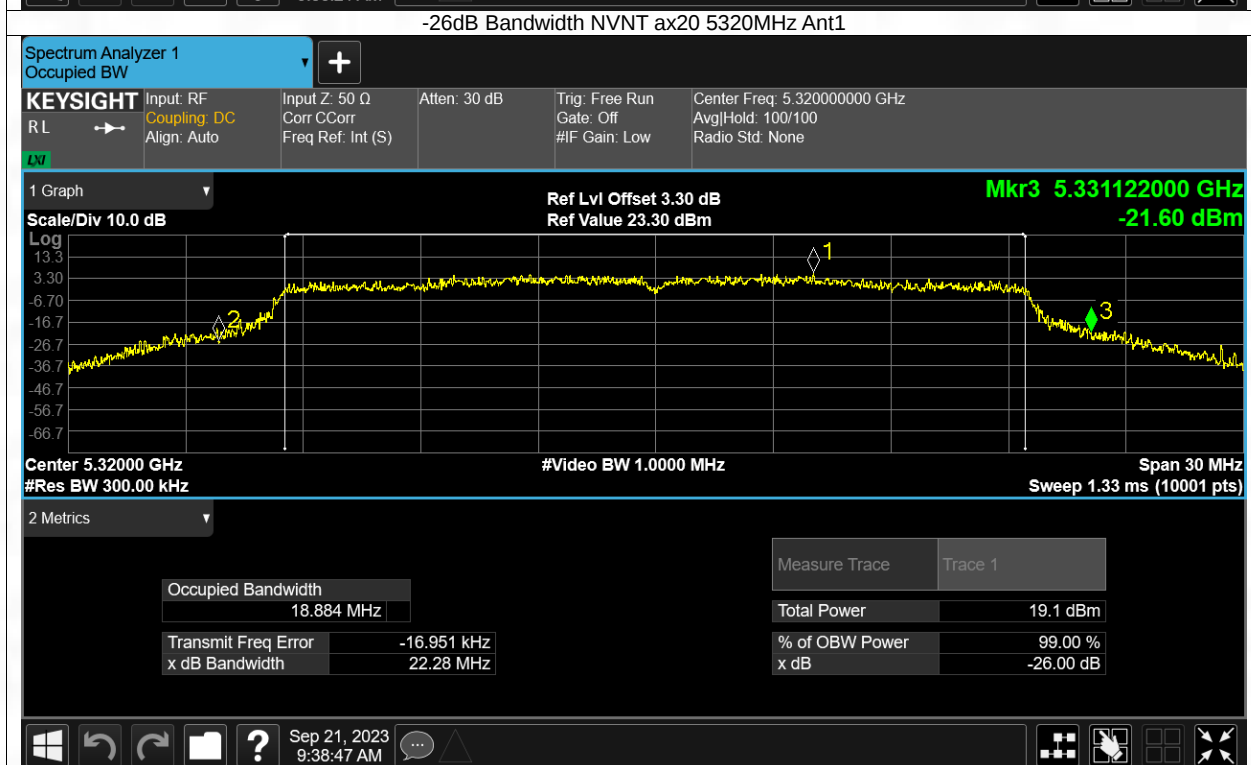
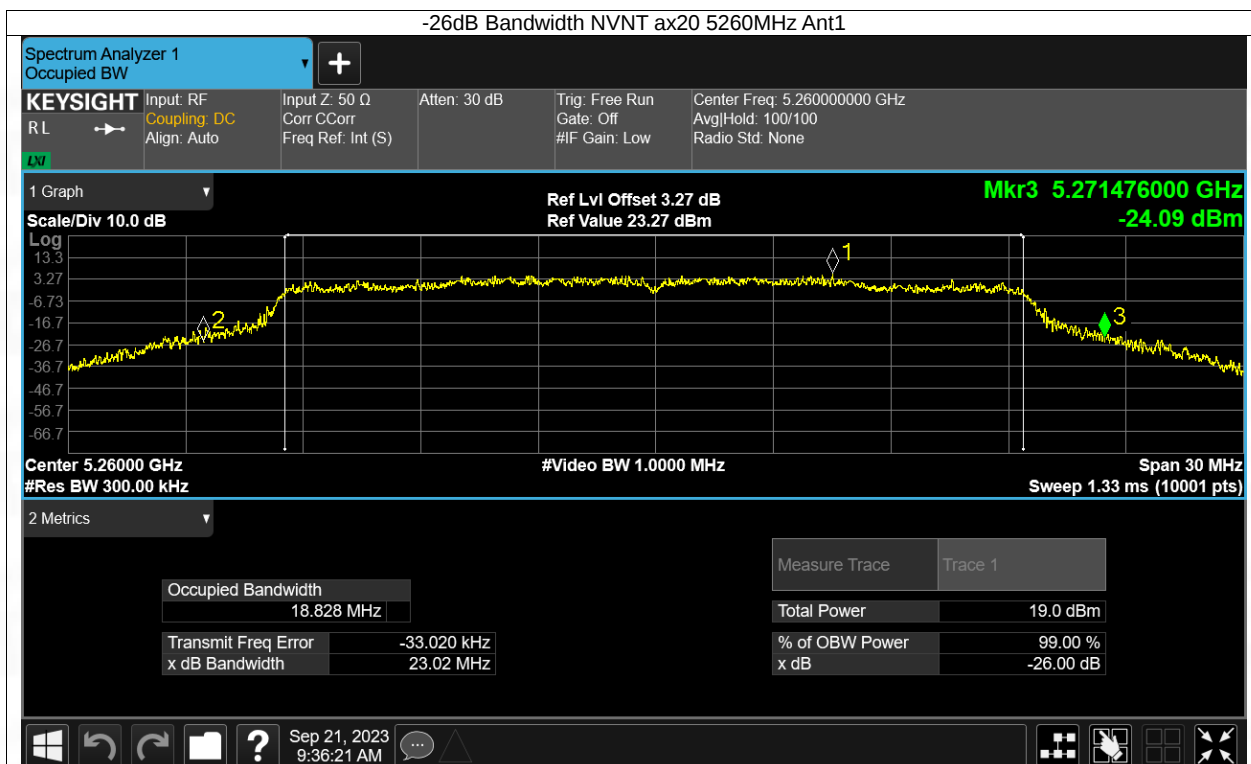


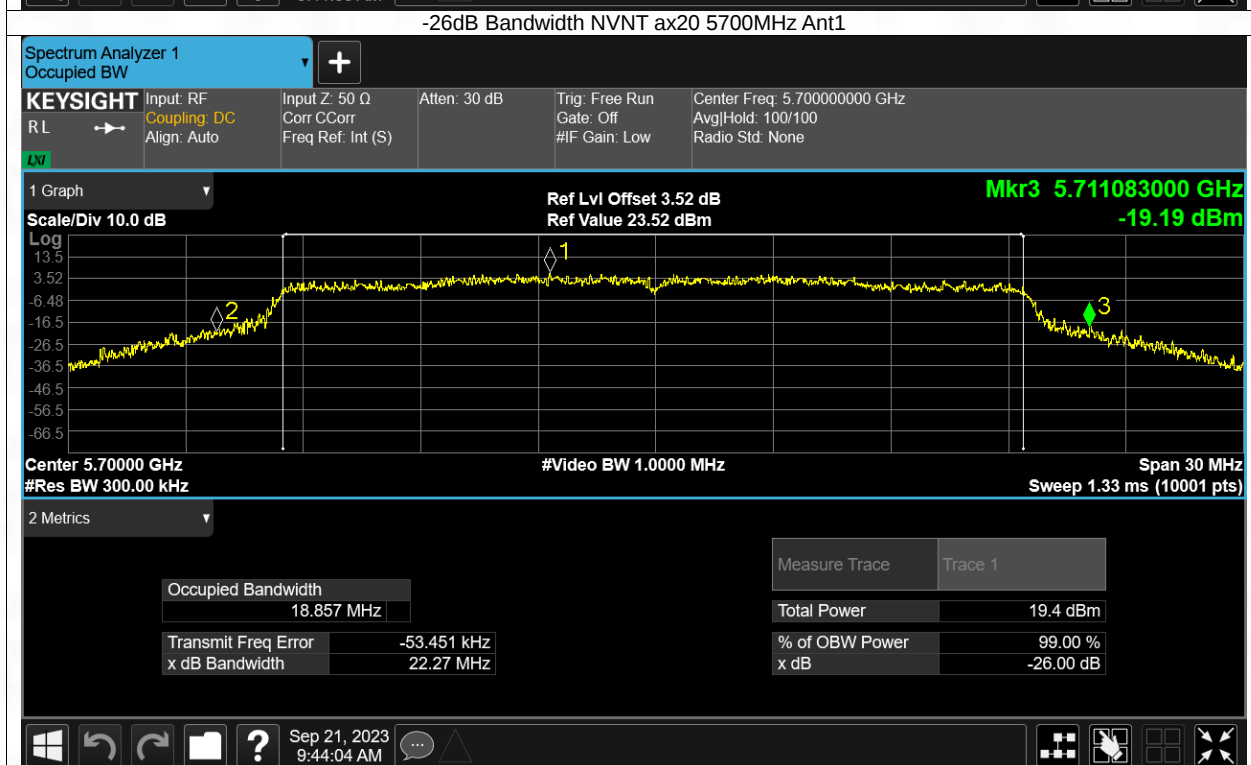
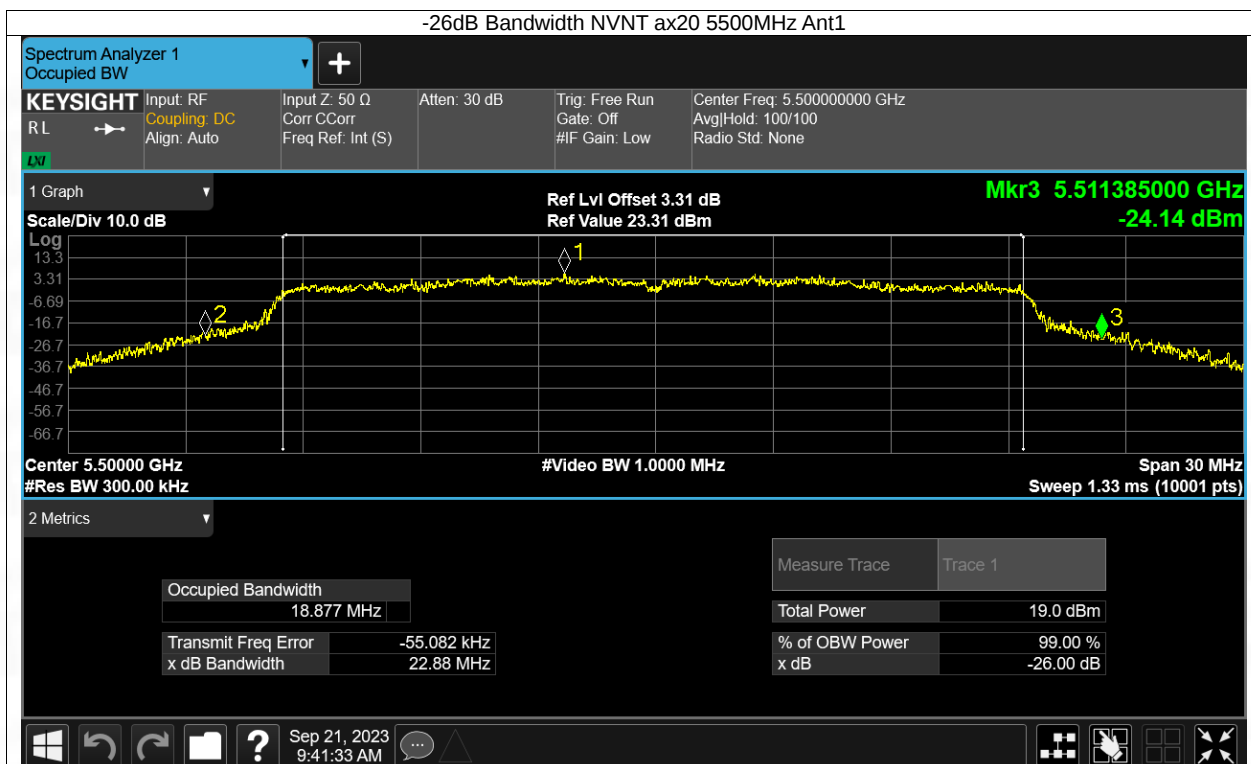


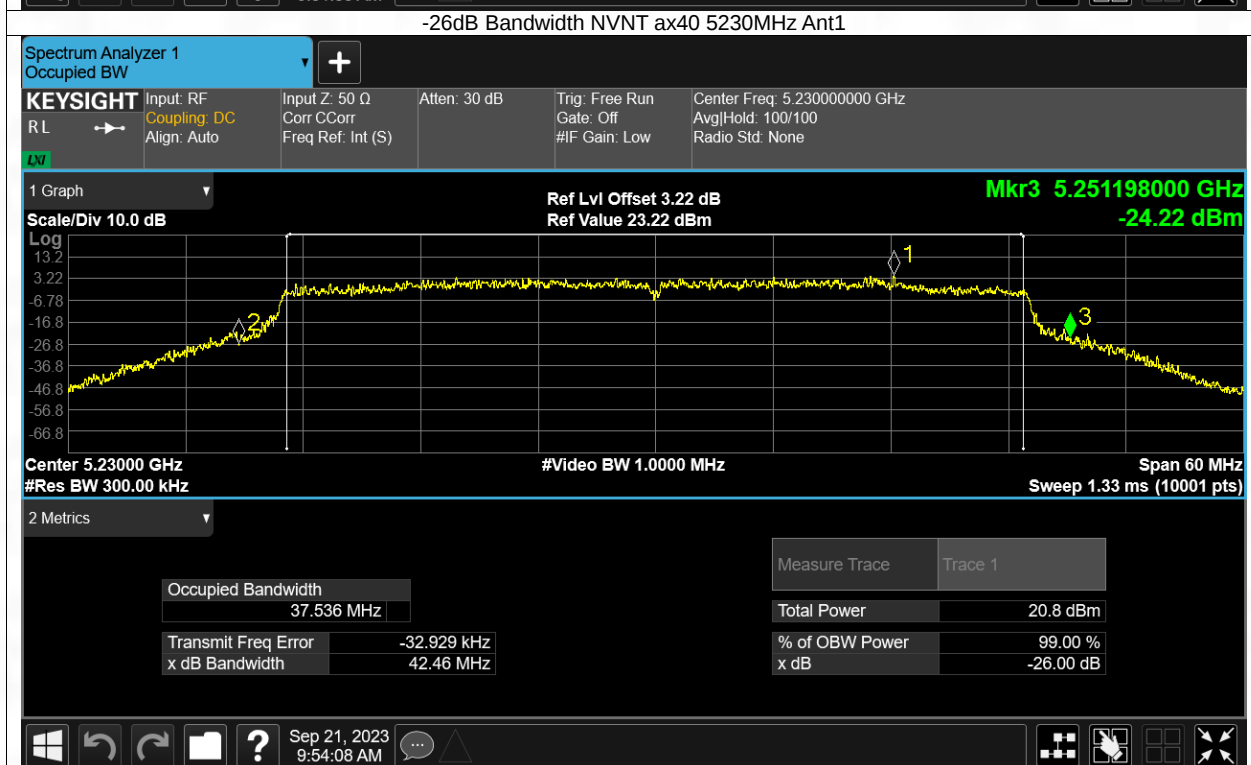
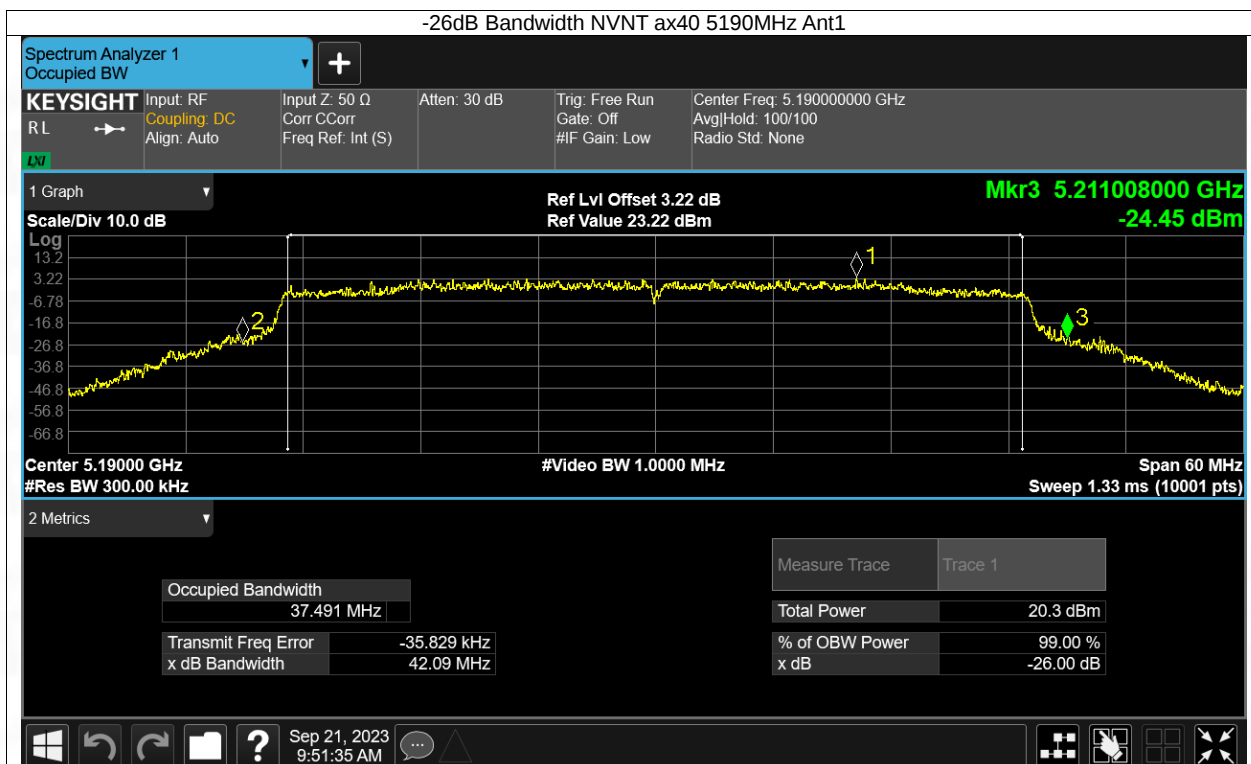


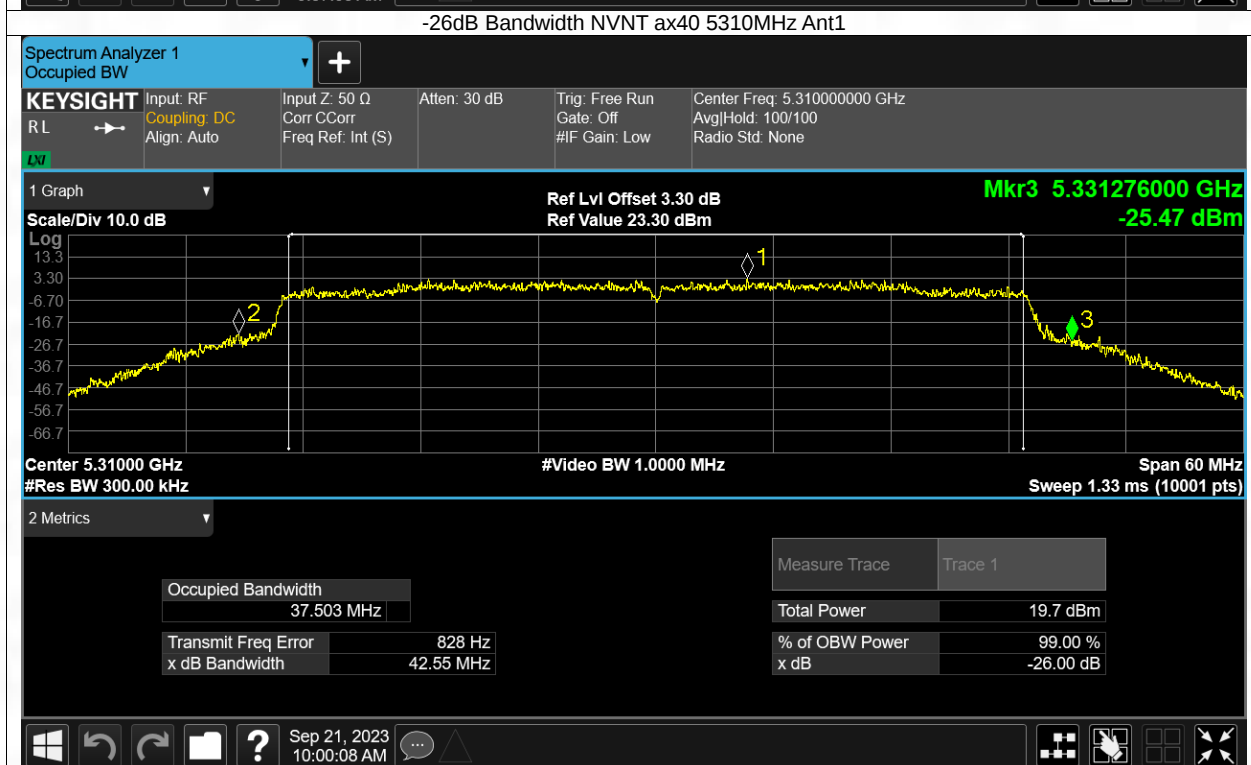
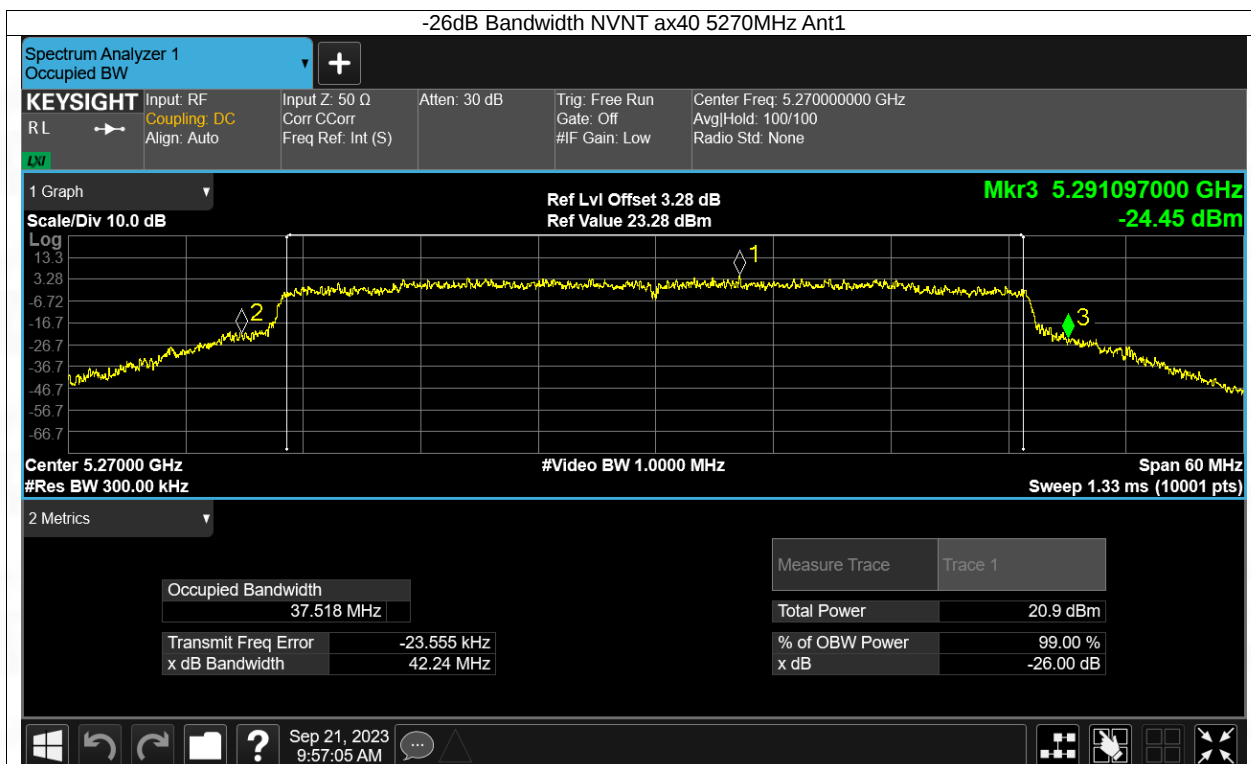


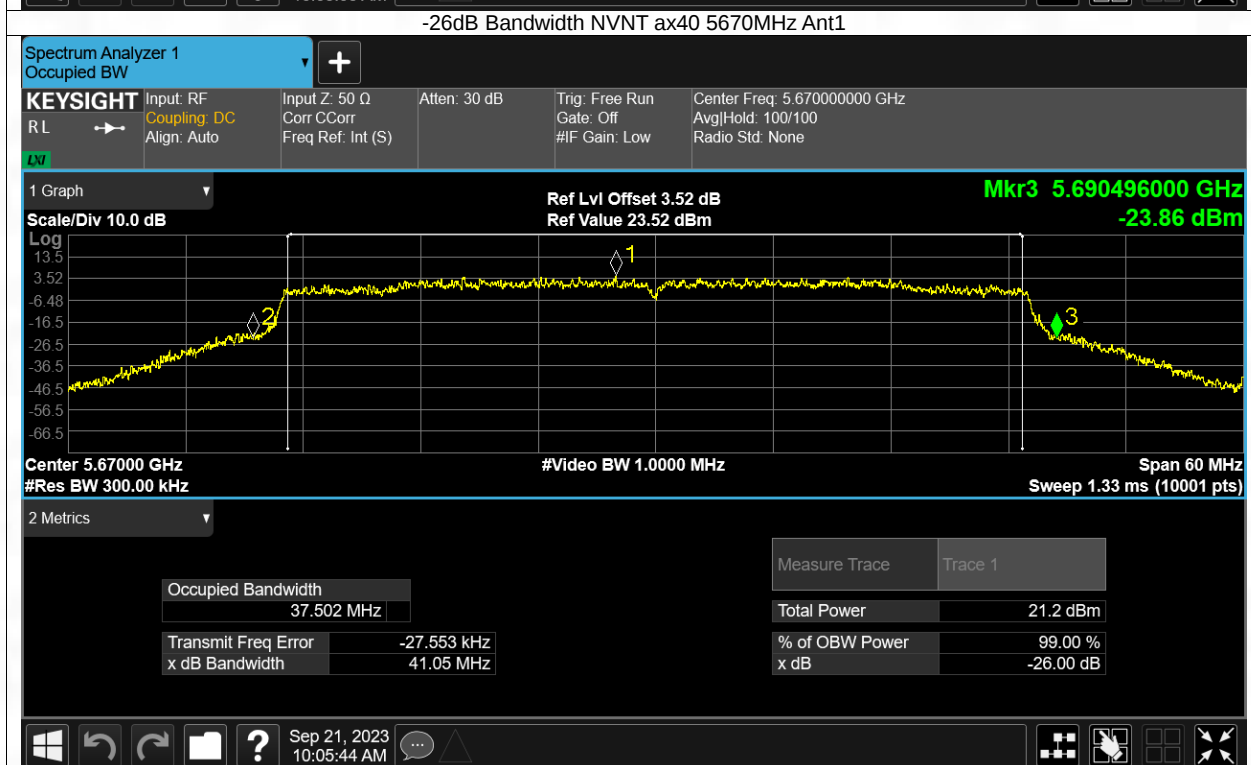
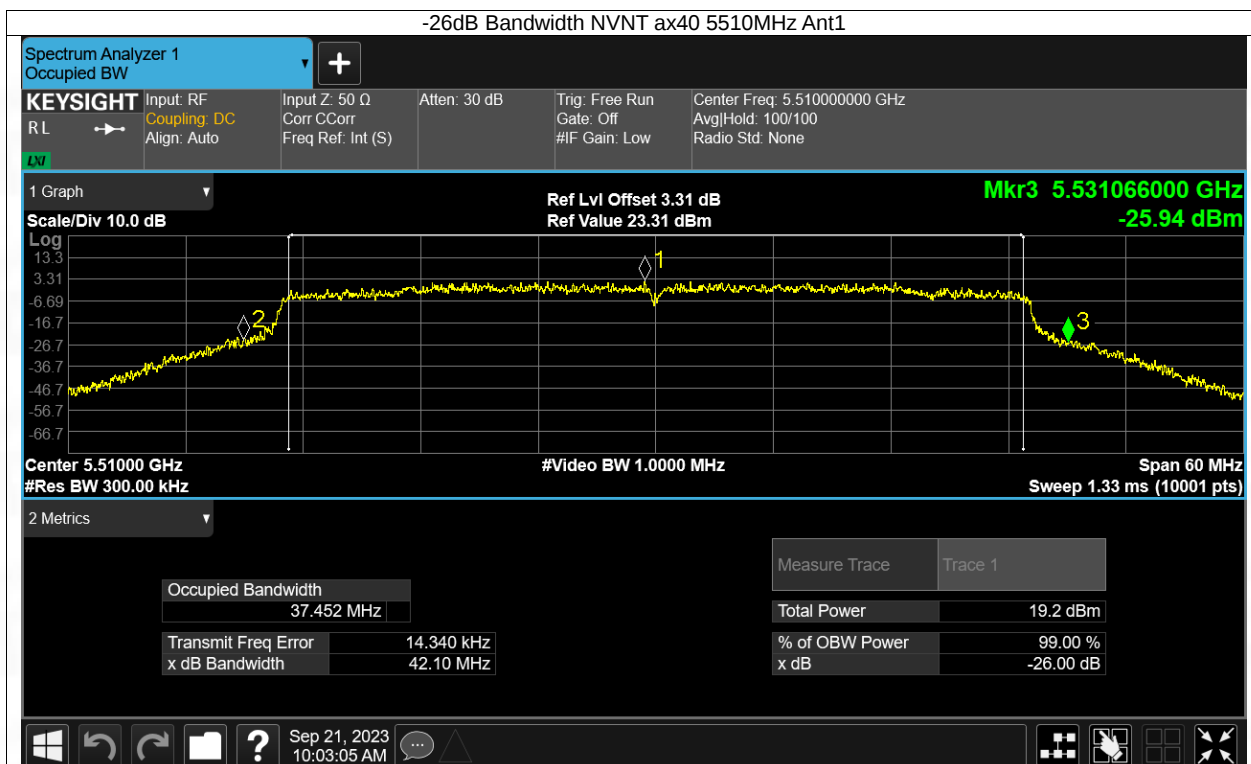


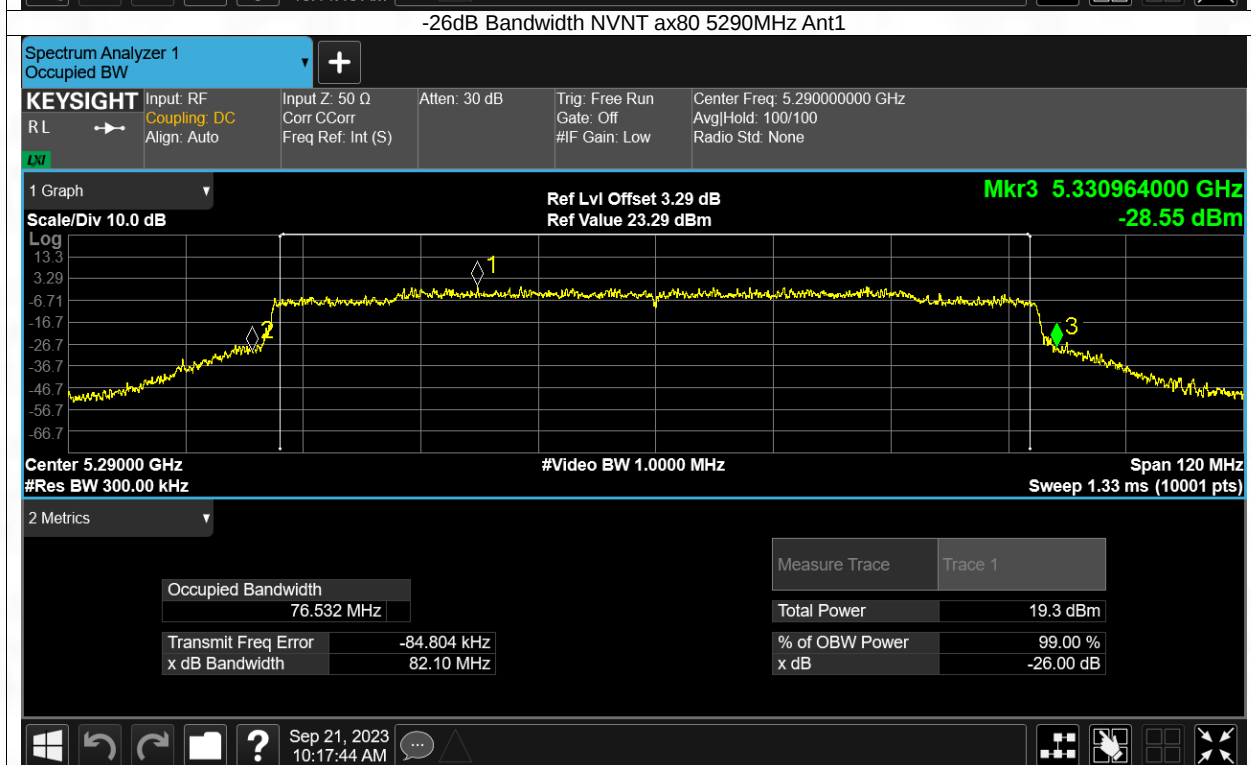
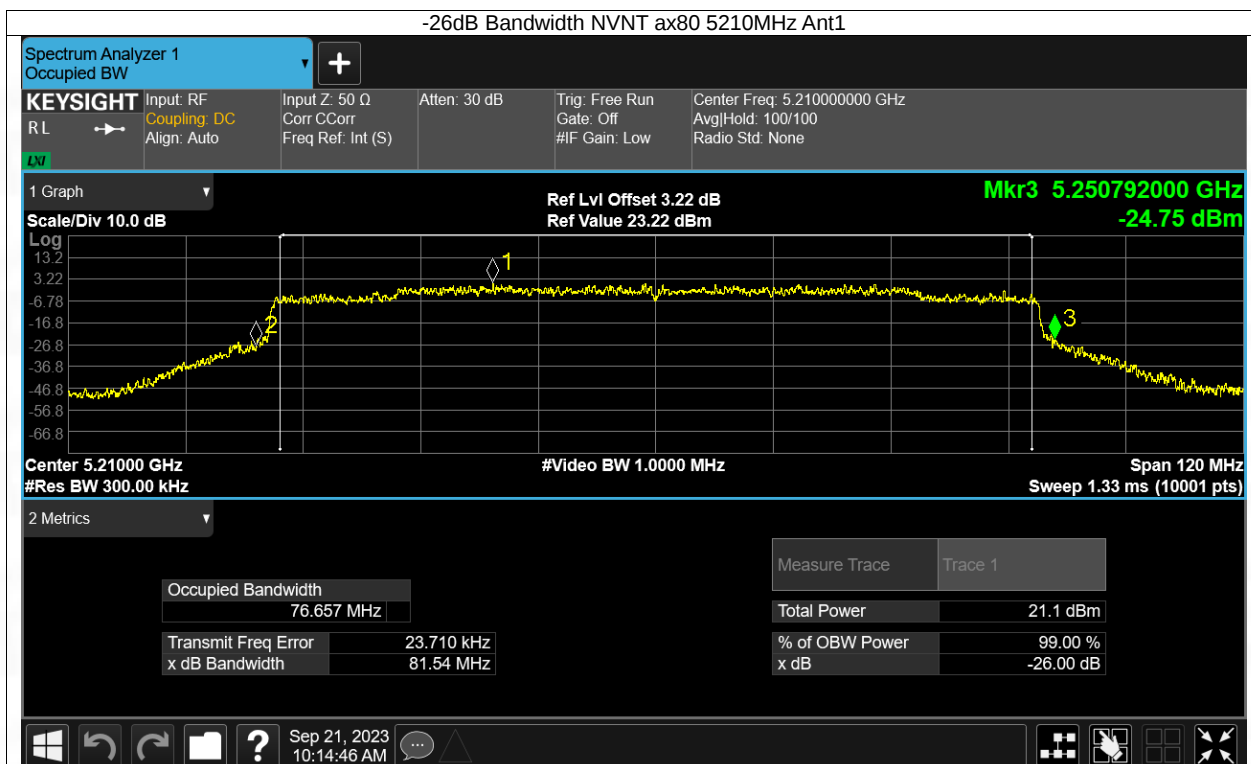


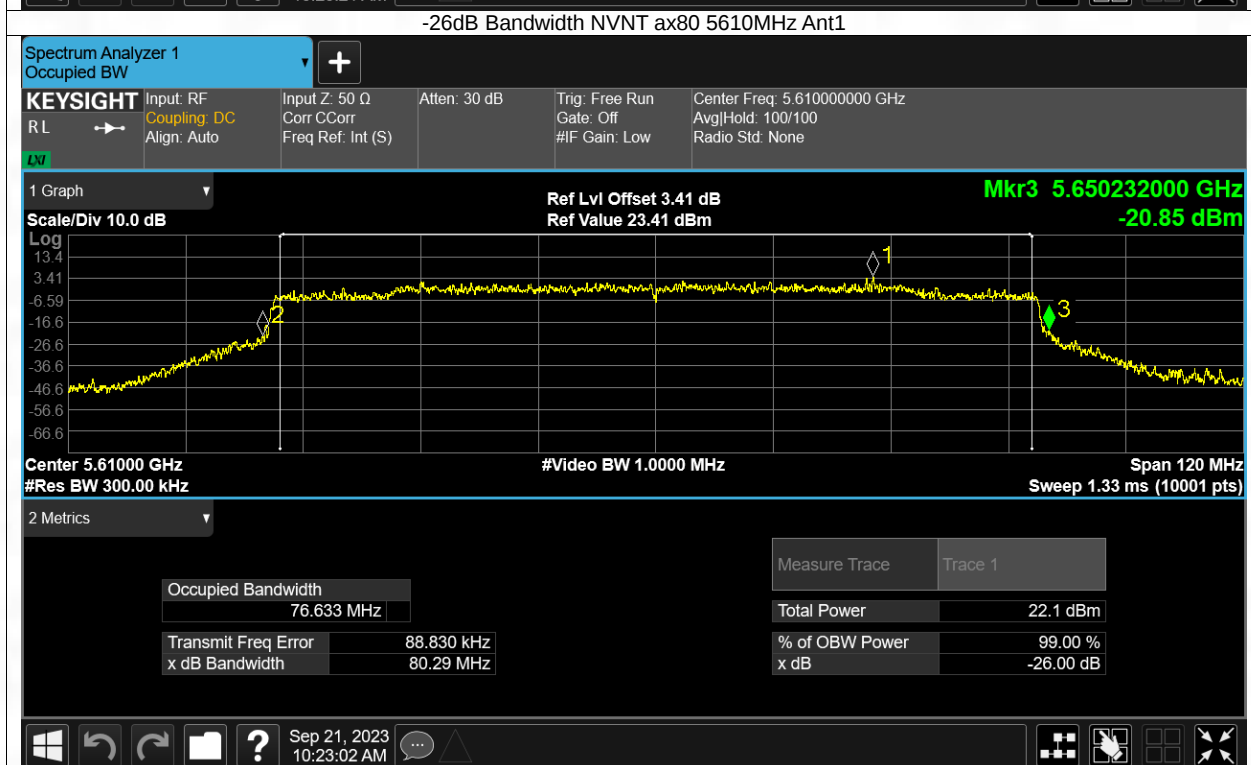
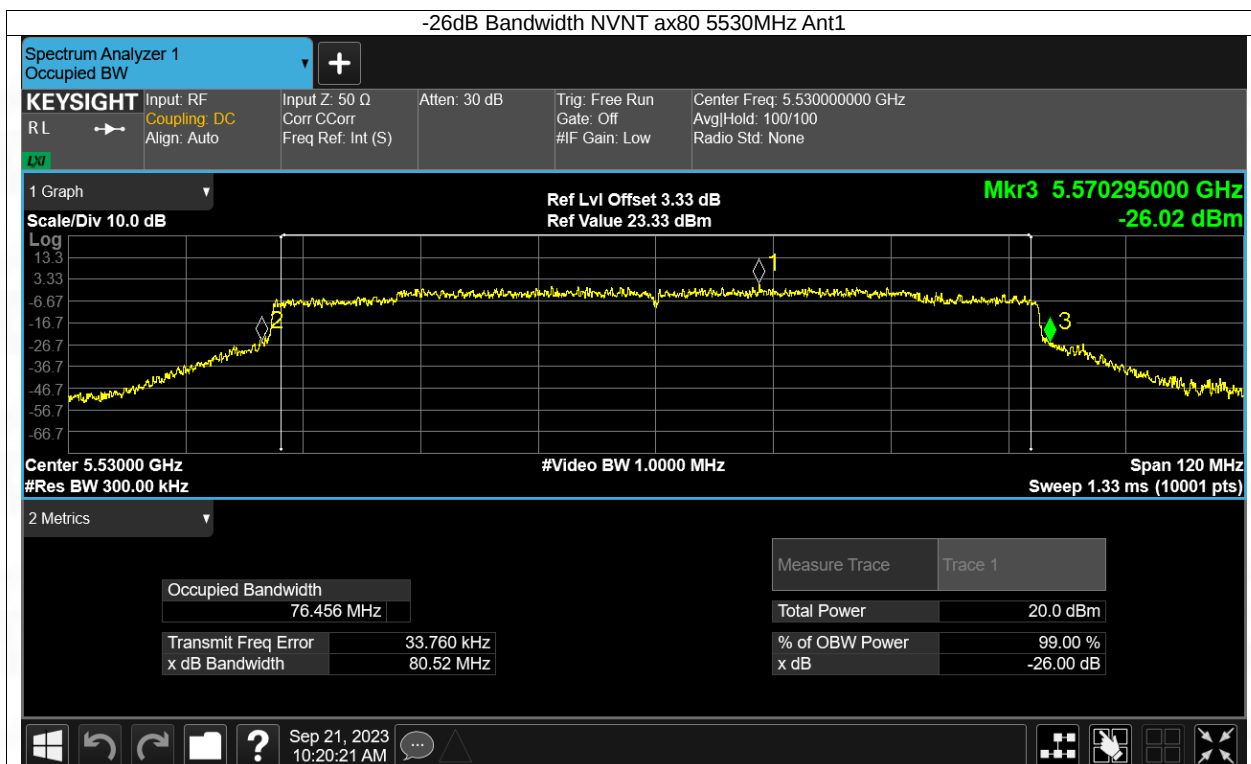






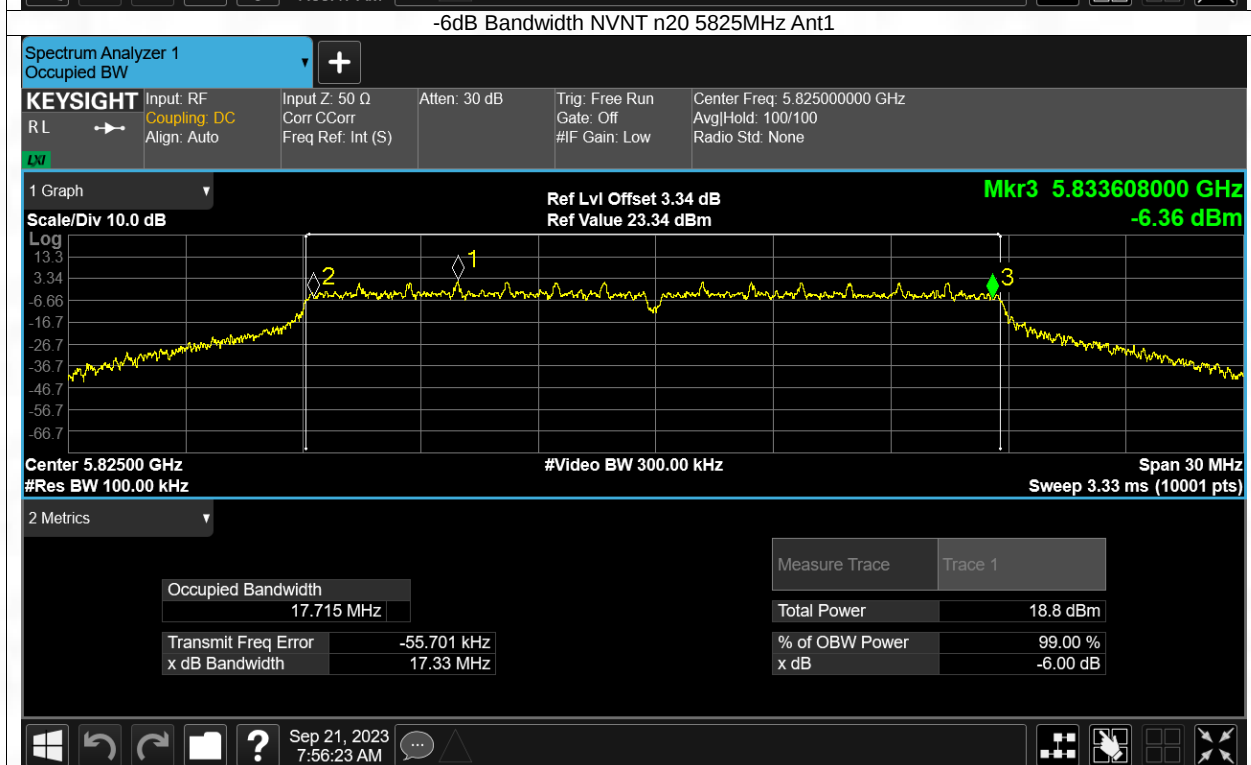
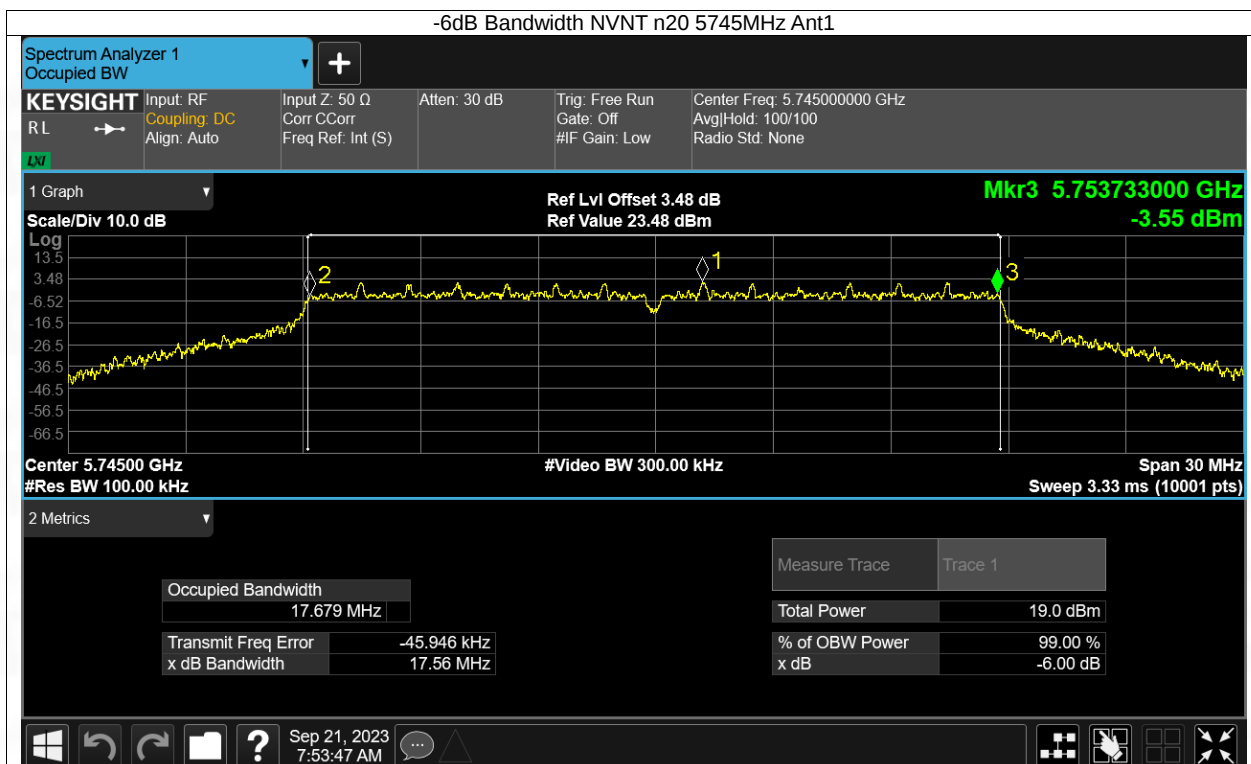


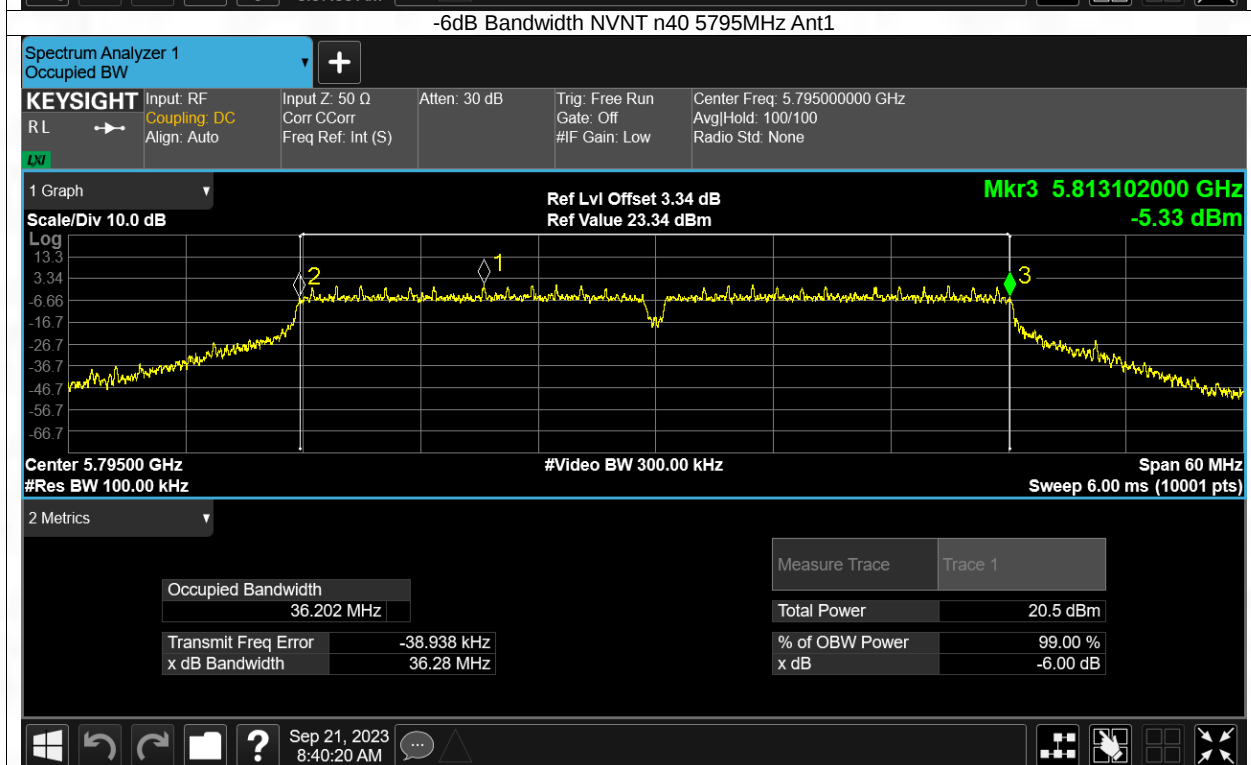
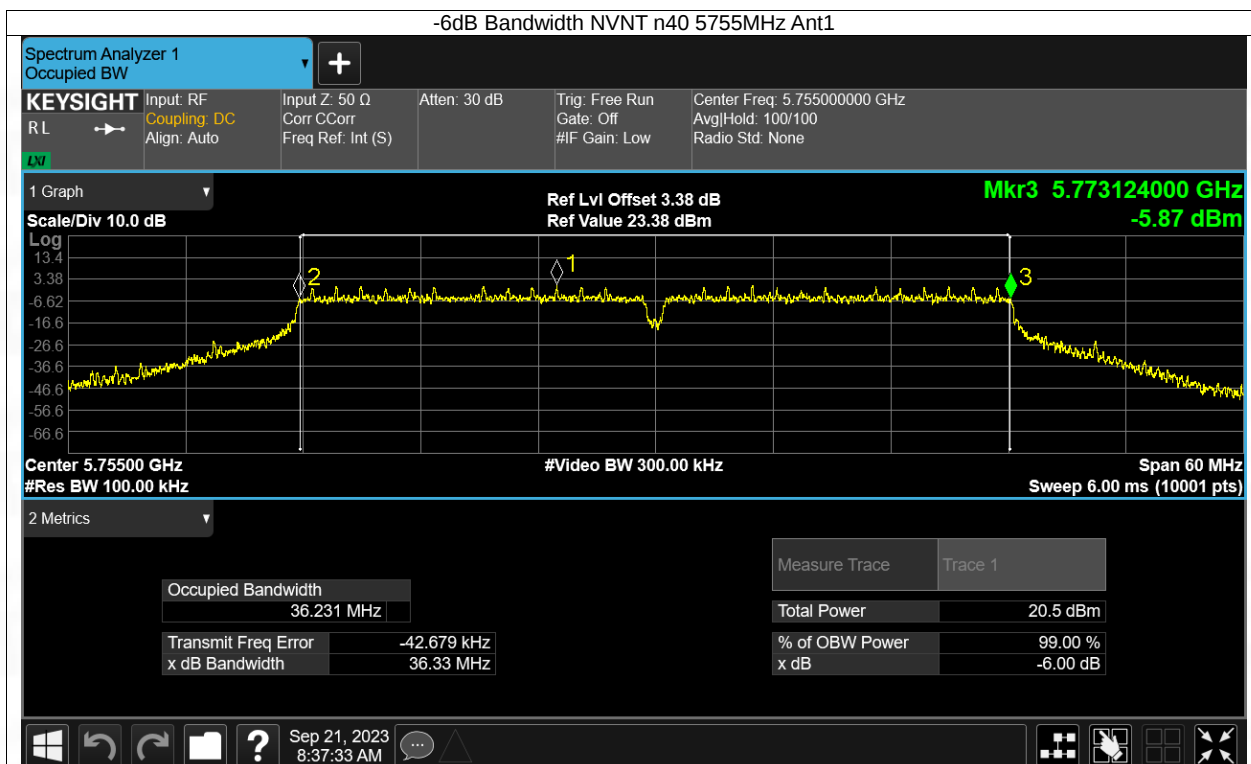


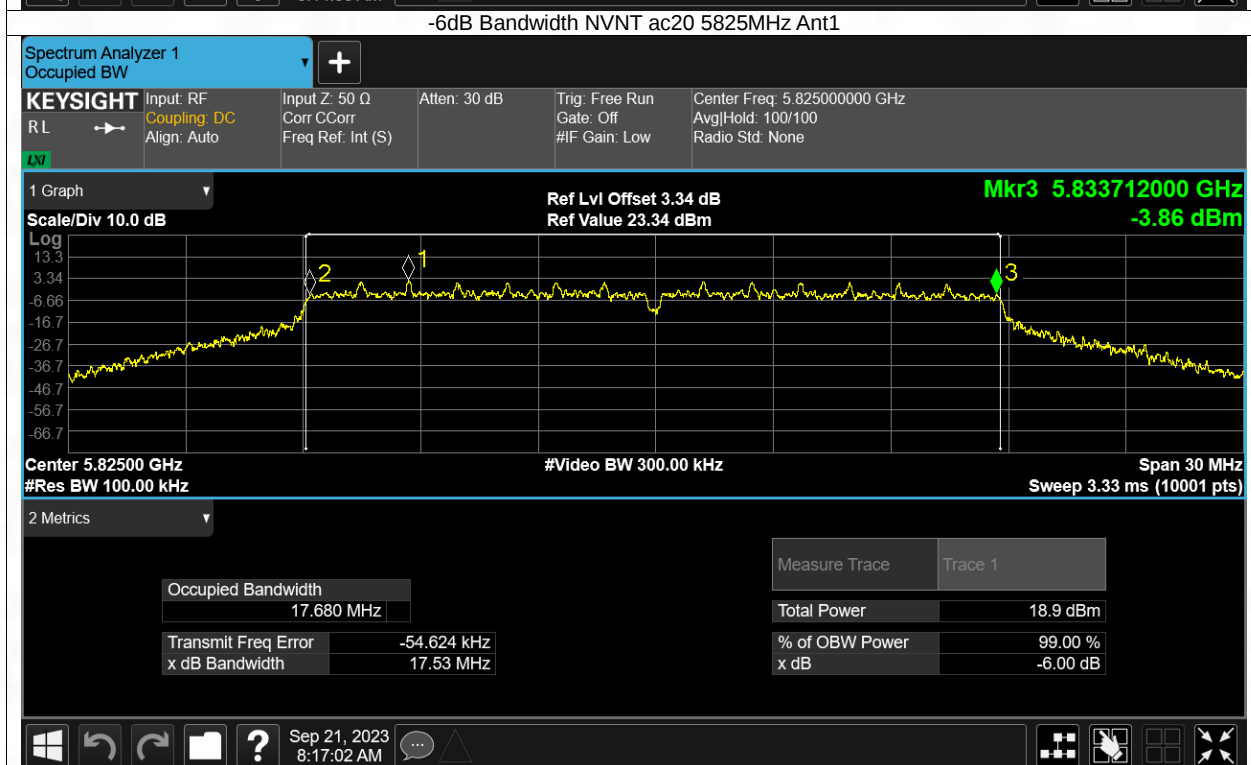
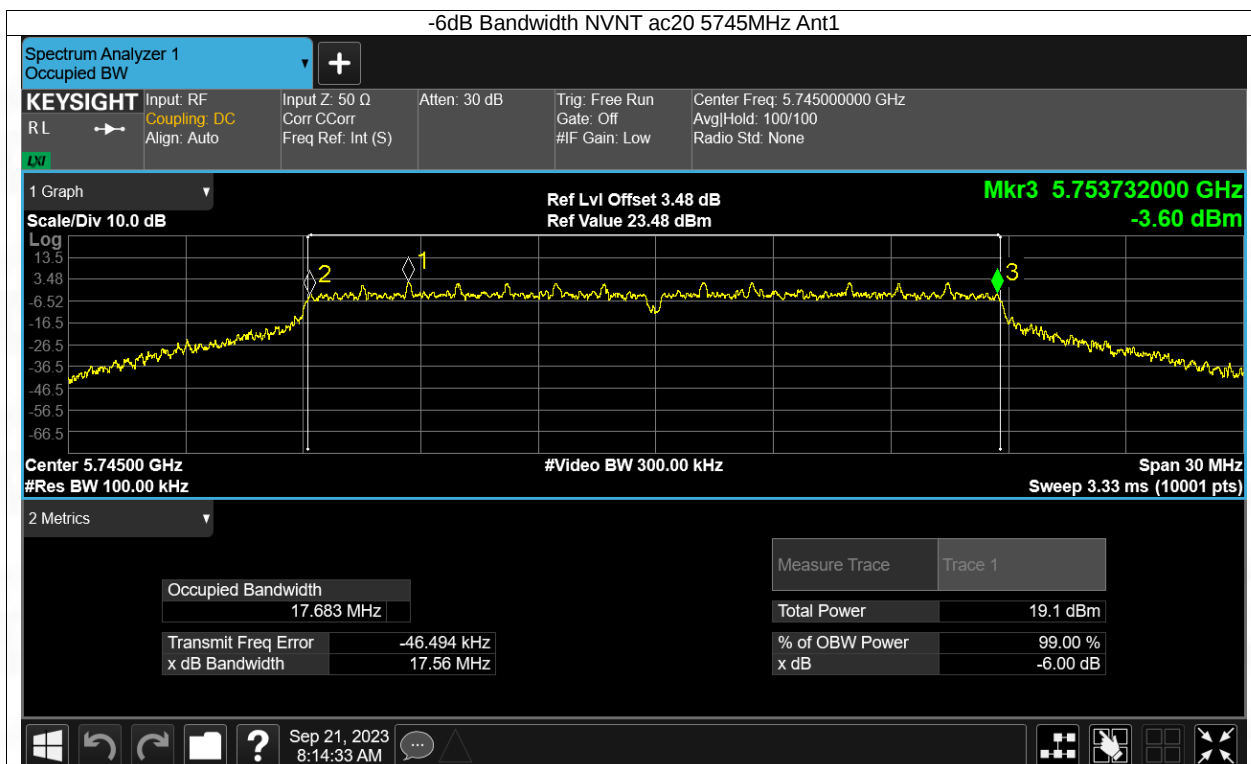


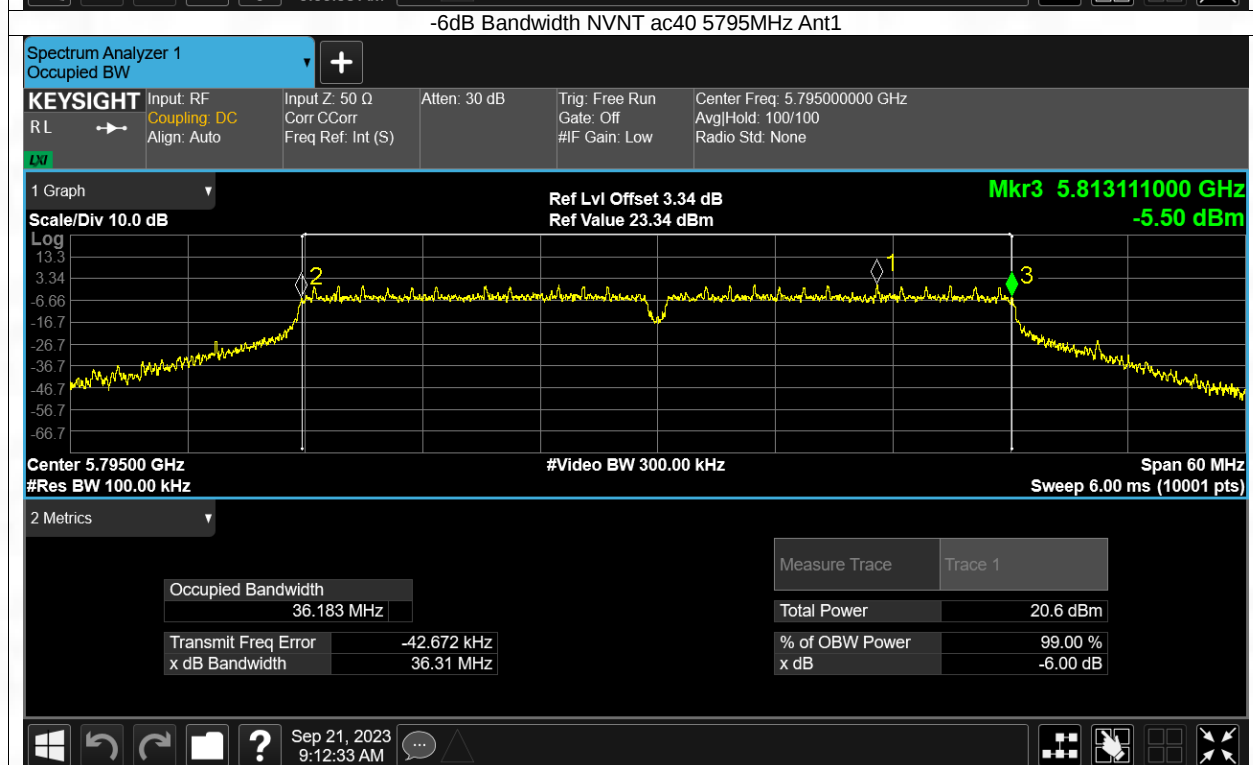
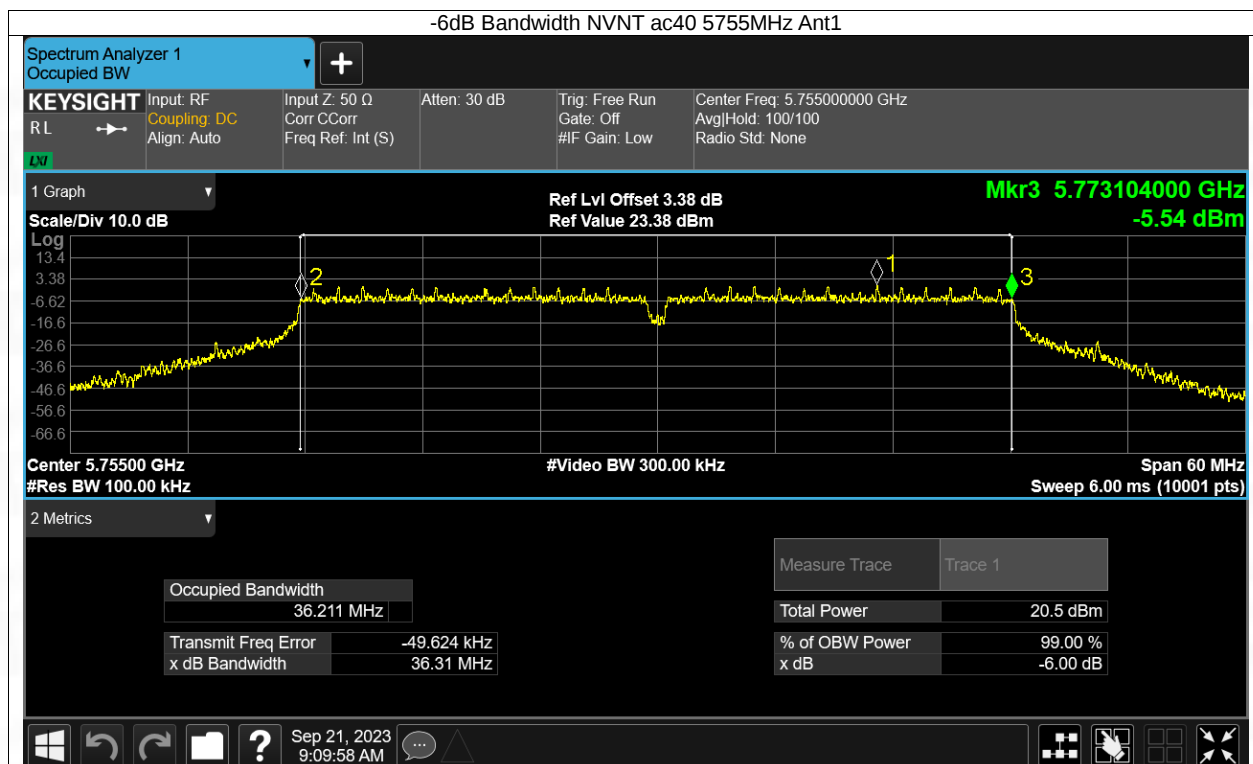
-6dB Bandwidth

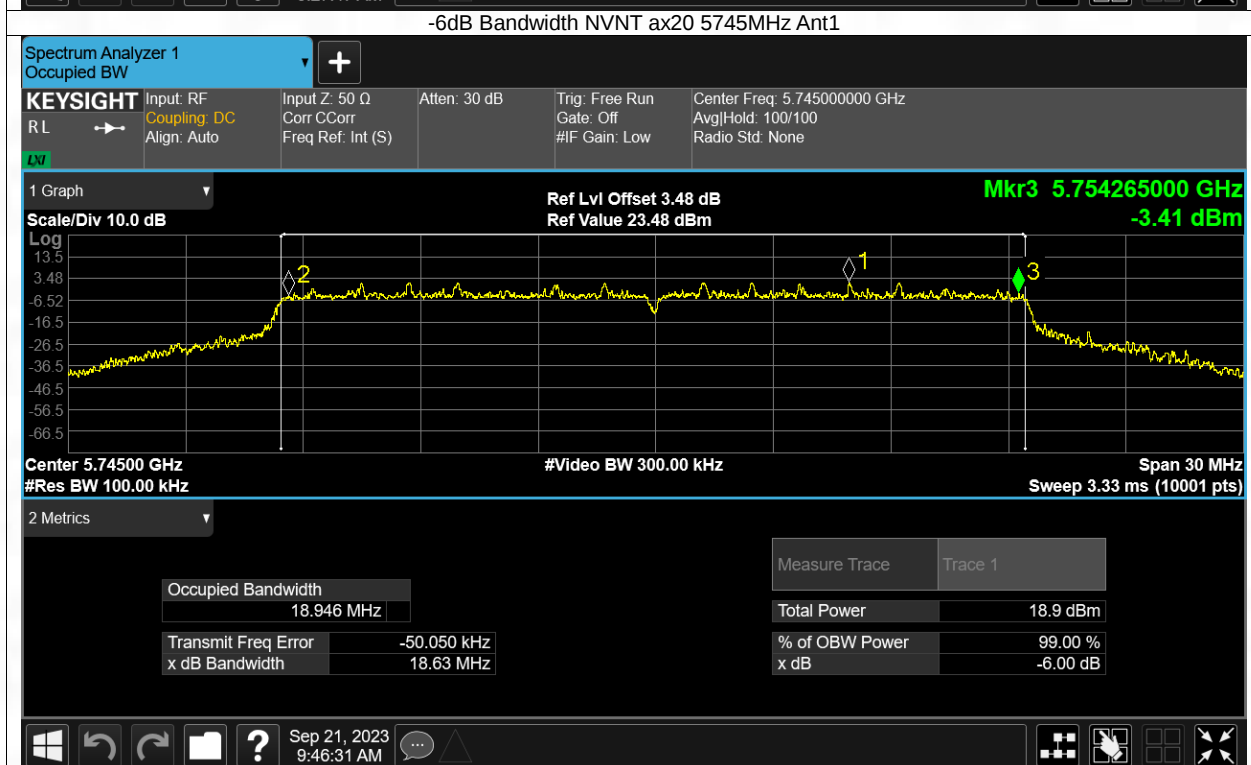
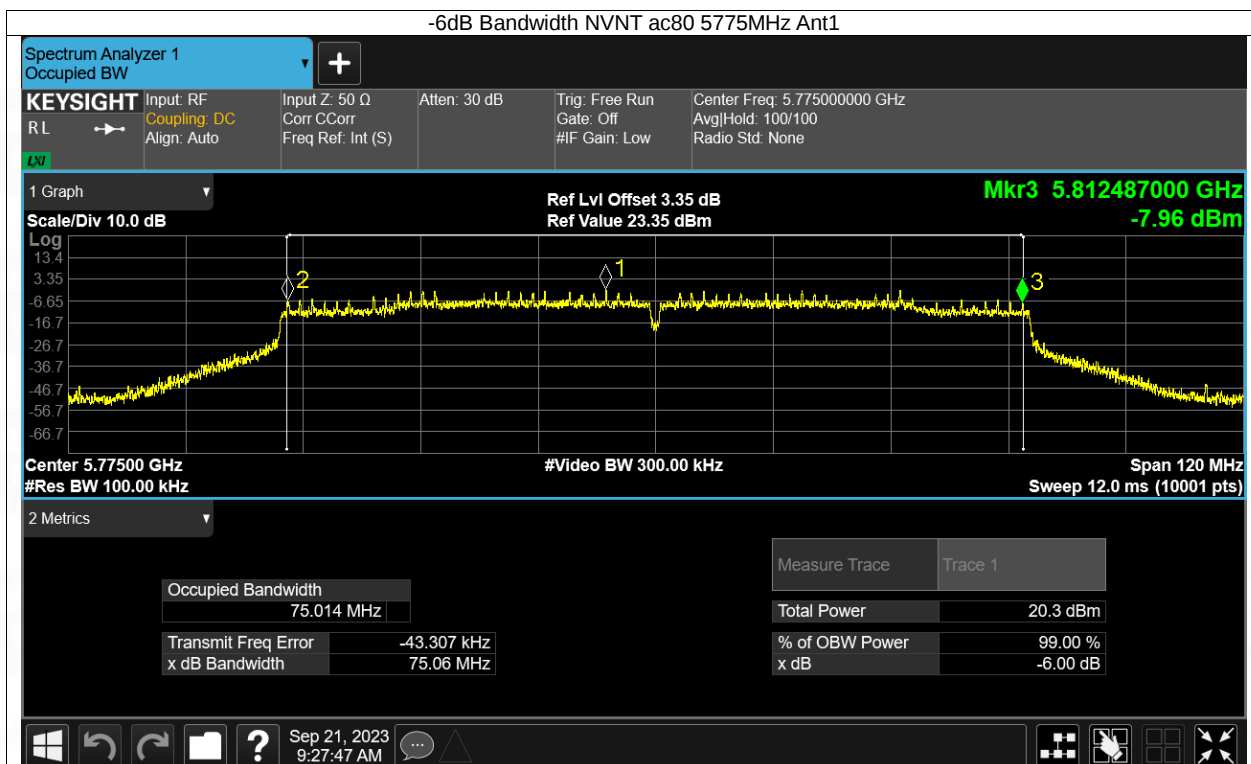


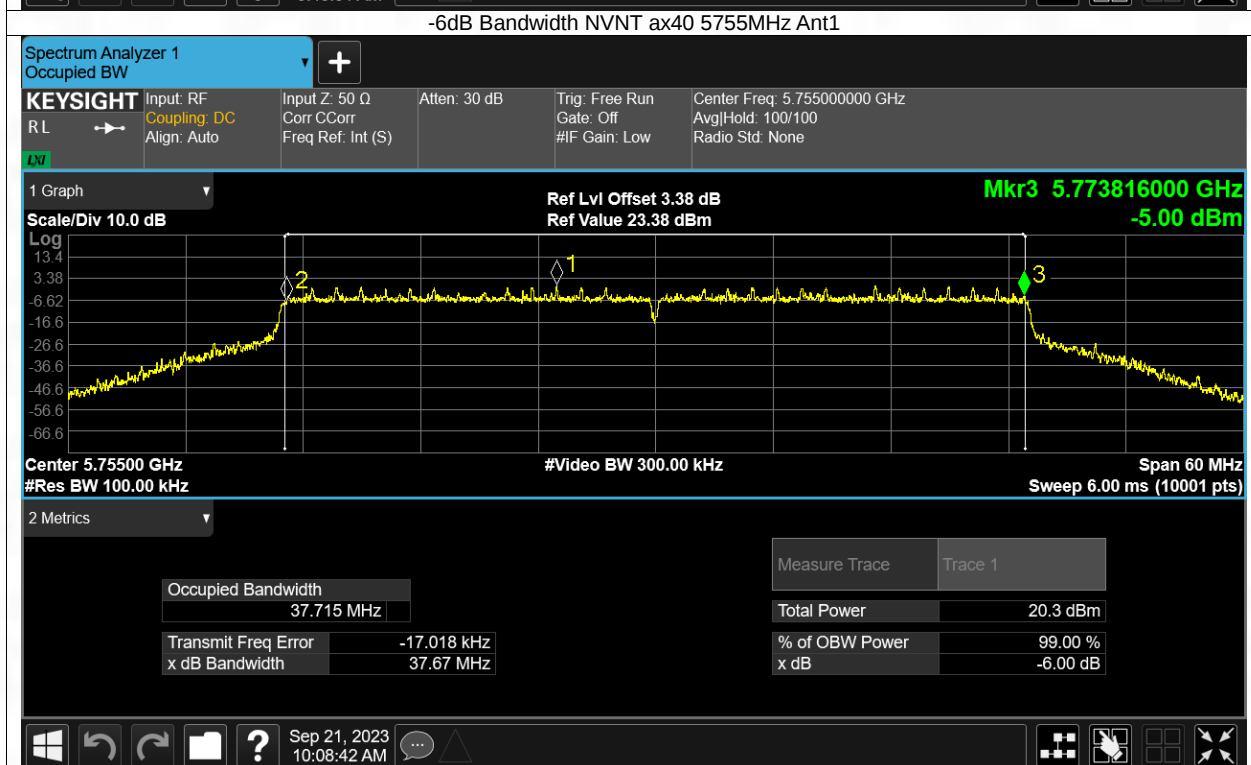
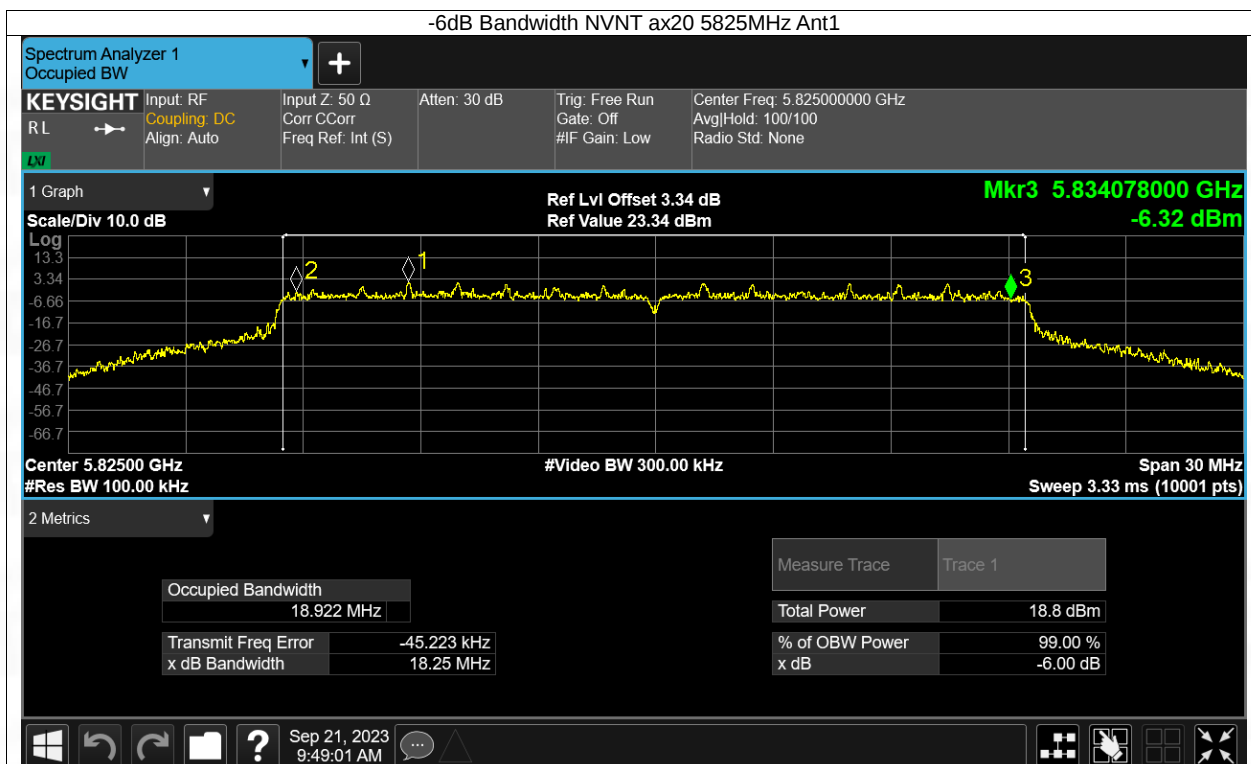


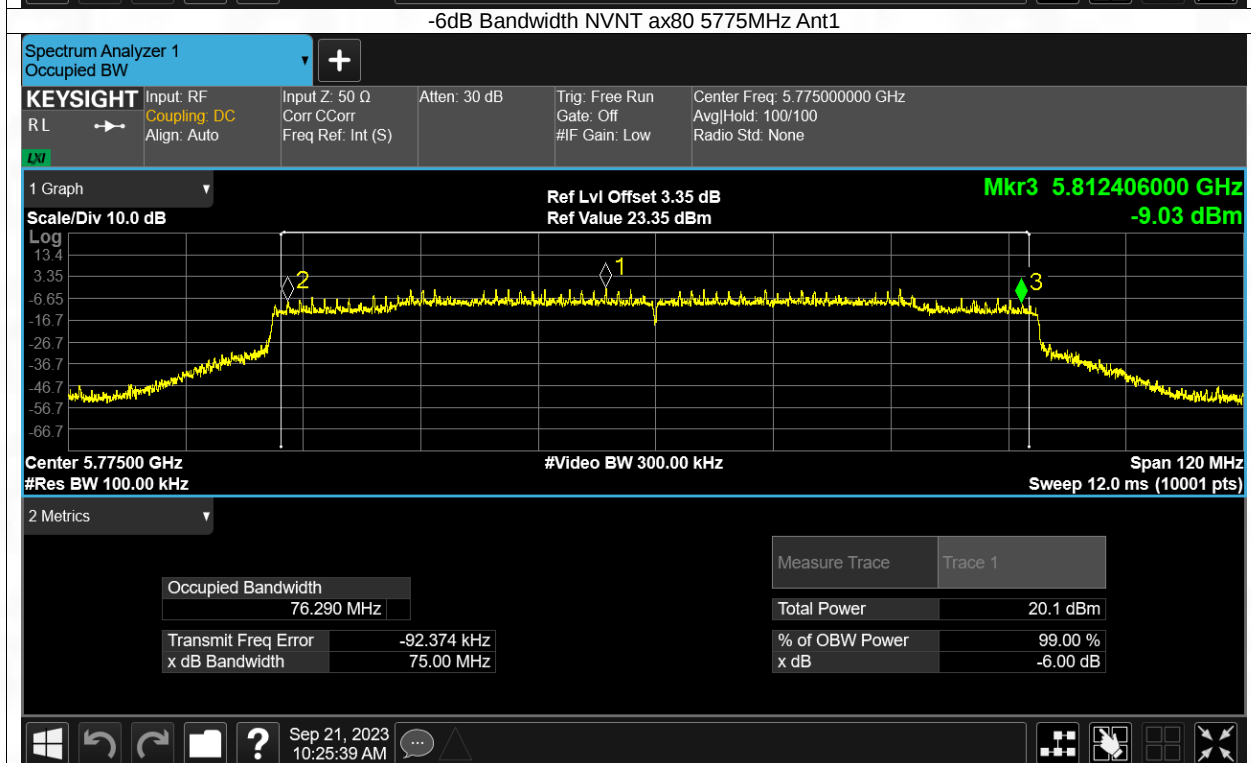
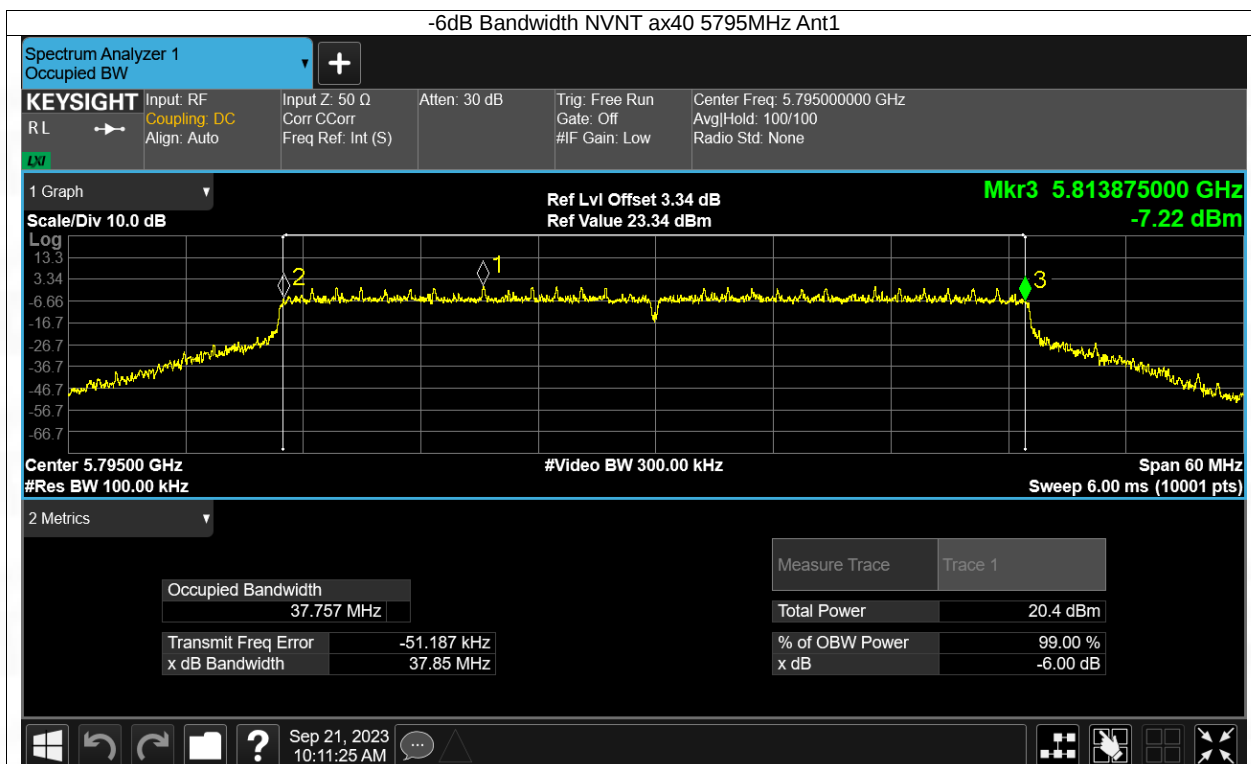












2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

ANT1

Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	12.49	0	12.49	24	Pass
a	5240	12.15	0	12.15	24	Pass
a	5260	12.31	0	12.31	24	Pass
a	5320	12.2	0	12.2	24	Pass
a	5500	12.13	0	12.13	24	Pass
a	5700	12.88	0	12.88	24	Pass
a	5745	12.57	0	12.57	30	Pass
a	5825	12.26	0	12.26	30	Pass
n20	5180	12.49	0	12.49	24	Pass
n20	5240	12.1	0	12.1	24	Pass
n20	5260	12.3	0	12.3	24	Pass
n20	5320	12.01	0	12.01	24	Pass
n20	5500	12.01	0	12.01	24	Pass
n20	5700	12.73	0	12.73	24	Pass
n20	5745	12.57	0	12.57	30	Pass
n20	5825	12.12	0	12.12	30	Pass
n40	5190	13.26	0	13.26	24	Pass
n40	5230	13.74	0	13.74	24	Pass
n40	5270	13.86	0	13.86	24	Pass
n40	5310	12.67	0	12.67	24	Pass
n40	5510	12.23	0	12.23	24	Pass
n40	5670	14.07	0	14.07	24	Pass
n40	5755	13.83	0	13.83	30	Pass
n40	5795	13.73	0	13.73	30	Pass
ac20	5180	12.33	0	12.33	24	Pass
ac20	5240	11.93	0	11.93	24	Pass
ac20	5260	12.08	0	12.08	24	Pass
ac20	5320	11.98	0	11.98	24	Pass
ac20	5500	11.96	0	11.96	24	Pass
ac20	5700	12.71	0	12.71	24	Pass
ac20	5745	12.52	0	12.52	30	Pass
ac20	5825	12.09	0	12.09	30	Pass
ac40	5190	13.19	0	13.19	24	Pass
ac40	5230	13.7	0	13.7	24	Pass
ac40	5270	13.71	0	13.71	24	Pass
ac40	5310	12.63	0	12.63	24	Pass
ac40	5510	12.31	0	12.31	24	Pass
ac40	5670	14.01	0	14.01	24	Pass
ac40	5755	13.83	0	13.83	30	Pass
ac40	5795	13.61	0	13.61	30	Pass
ac80	5210	13.46	0	13.46	24	Pass
ac80	5290	11.82	0	11.82	24	Pass
ac80	5530	12.55	0	12.55	24	Pass
ac80	5610	14.5	0	14.5	24	Pass
ac80	5775	13.22	0	13.22	30	Pass
ax160	5250	8.24	0	8.24	24	Pass
ax160	5570	10.31	0	10.31	24	Pass
ax20	5180	12.29	0	12.29	24	Pass
ax20	5240	11.89	0	11.89	24	Pass
ax20	5260	12.04	0	12.04	24	Pass
ax20	5320	12	0	12	24	Pass
ax20	5500	12.02	0	12.02	24	Pass
ax20	5700	12.65	0	12.65	24	Pass
ax20	5745	12.43	0	12.43	30	Pass
ax20	5825	12	0	12	30	Pass
ax40	5190	13.23	0	13.23	24	Pass
ax40	5230	13.7	0	13.7	24	Pass
ax40	5270	13.81	0	13.81	24	Pass

ax40	5310	12.67	0	12.67	24	Pass
ax40	5510	12.33	0	12.33	24	Pass
ax40	5670	14.11	0	14.11	24	Pass
ax40	5755	13.9	0	13.9	30	Pass
ax40	5795	13.69	0	13.69	30	Pass
ax80	5210	13.17	0	13.17	24	Pass
ax80	5290	11.48	0	11.48	24	Pass
ax80	5530	12.2	0	12.2	24	Pass
ax80	5610	14.25	0	14.25	24	Pass
ax80	5775	12.95	0	12.95	30	Pass

ANT2

Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	12.64	0	12.64	24	Pass
a	5240	12.4	0	12.4	24	Pass
a	5260	12.38	0	12.38	24	Pass
a	5320	12.53	0	12.53	24	Pass
a	5500	12.08	0	12.08	24	Pass
a	5700	13.09	0	13.09	24	Pass
a	5745	12.56	0	12.56	30	Pass

a	5825	12.39	0	12.39	30	Pass
n20	5180	12.62	0	12.62	24	Pass
n20	5240	12.33	0	12.33	24	Pass
n20	5260	12.32	0	12.32	24	Pass
n20	5320	12.52	0	12.52	24	Pass
n20	5500	12.05	0	12.05	24	Pass
n20	5700	13.07	0	13.07	24	Pass
n20	5745	12.6	0	12.6	30	Pass
n20	5825	12.36	0	12.36	30	Pass
n40	5190	13.59	0	13.59	24	Pass
n40	5230	14.12	0	14.12	24	Pass
n40	5270	14.03	0	14.03	24	Pass
n40	5310	13.15	0	13.15	24	Pass
n40	5510	12.38	0	12.38	24	Pass
n40	5670	14.27	0	14.27	24	Pass
n40	5755	13.85	0	13.85	30	Pass
n40	5795	13.87	0	13.87	30	Pass
ac20	5180	12.59	0	12.59	24	Pass
ac20	5240	12.32	0	12.32	24	Pass
ac20	5260	12.32	0	12.32	24	Pass
ac20	5320	12.47	0	12.47	24	Pass
ac20	5500	11.95	0	11.95	24	Pass
ac20	5700	13.03	0	13.03	24	Pass
ac20	5745	12.6	0	12.6	30	Pass
ac20	5825	12.38	0	12.38	30	Pass
ac40	5190	13.48	0	13.48	24	Pass
ac40	5230	13.99	0	13.99	24	Pass
ac40	5270	13.94	0	13.94	24	Pass
ac40	5310	13.06	0	13.06	24	Pass
ac40	5510	12.24	0	12.24	24	Pass
ac40	5670	14.22	0	14.22	24	Pass
ac40	5755	13.74	0	13.74	30	Pass
ac40	5795	13.77	0	13.77	30	Pass
ac80	5210	13.93	0	13.93	24	Pass
ac80	5290	12.24	0	12.24	24	Pass
ac80	5530	12.71	0	12.71	24	Pass
ac80	5610	14.49	0	14.49	24	Pass
ac80	5775	13.37	0	13.37	30	Pass
ax160	5250	9.37	0	9.37	24	Pass
ax160	5570	10.9	0	10.9	24	Pass
ax20	5180	12.58	0	12.58	24	Pass
ax20	5240	12.27	0	12.27	24	Pass
ax20	5260	12.23	0	12.23	24	Pass
ax20	5320	12.46	0	12.46	24	Pass
ax20	5500	11.98	0	11.98	24	Pass
ax20	5700	13.03	0	13.03	24	Pass
ax20	5745	12.56	0	12.56	30	Pass
ax20	5825	12.39	0	12.39	30	Pass
ax40	5190	13.17	0	13.17	24	Pass
ax40	5230	13.76	0	13.76	24	Pass
ax40	5270	13.61	0	13.61	24	Pass
ax40	5310	12.73	0	12.73	24	Pass
ax40	5510	12.01	0	12.01	24	Pass
ax40	5670	14.01	0	14.01	24	Pass
ax40	5755	13.51	0	13.51	30	Pass
ax40	5795	13.55	0	13.55	30	Pass
ax80	5210	13.59	0	13.59	24	Pass
ax80	5290	11.93	0	11.93	24	Pass
ax80	5530	12.51	0	12.51	24	Pass
ax80	5610	14.24	0	14.24	24	Pass
ax80	5775	13.09	0	13.09	30	Pass

MIMO Mode

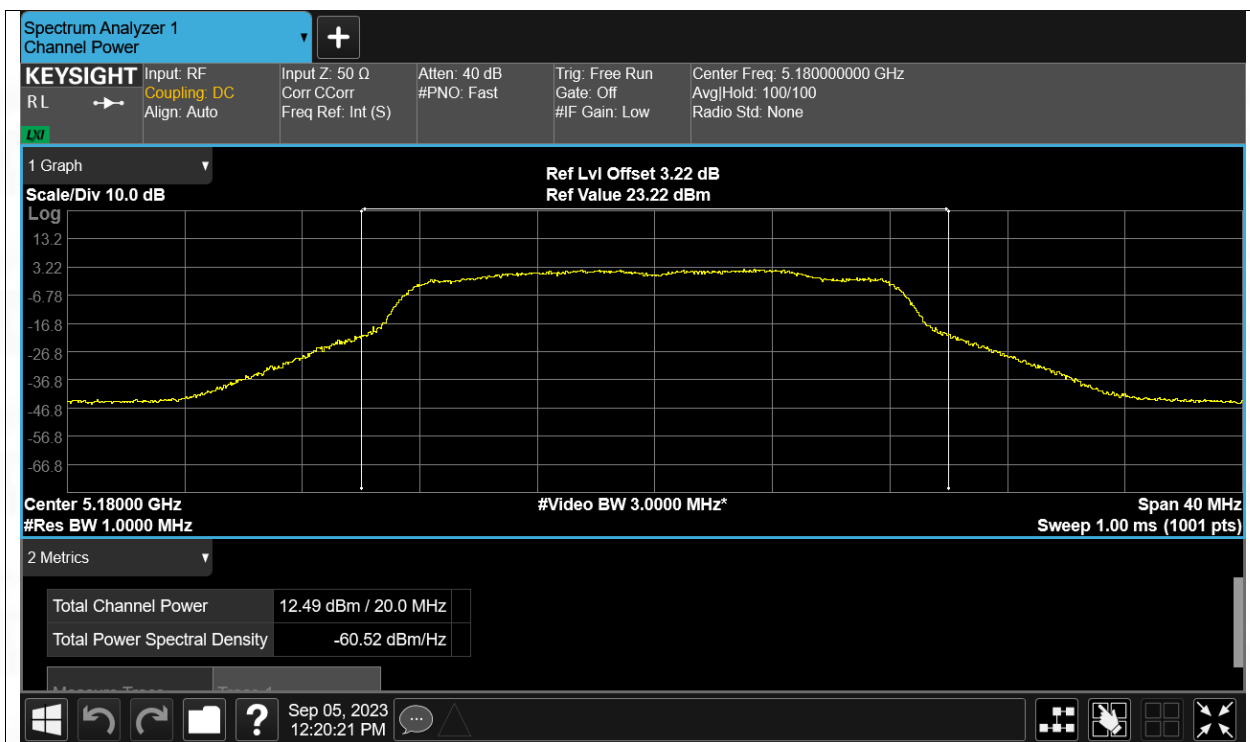
Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	15.42	0	15.58	24	Pass
a	5240	15.14	0	15.29	24	Pass
a	5260	15.23	0	15.36	24	Pass
a	5320	15.27	0	15.38	24	Pass
a	5500	15.09	0	15.12	24	Pass
a	5700	15.90	0	16.00	24	Pass
a	5745	15.47	0	15.58	30	Pass
a	5825	15.19	0	15.34	30	Pass
n20	5180	15.45	0	15.57	24	Pass
n20	5240	15.12	0	15.23	24	Pass
n20	5260	15.22	0	15.32	24	Pass
n20	5320	15.34	0	15.28	24	Pass
n20	5500	15.07	0	15.04	24	Pass
n20	5700	15.87	0	15.91	24	Pass
n20	5745	15.56	0	15.60	30	Pass

n20	5825	15.19	0	15.25	30	Pass
n40	5190	16.37	0	16.44	24	Pass
n40	5230	16.91	0	16.94	24	Pass
n40	5270	16.92	0	16.96	24	Pass
n40	5310	15.93	0	15.93	24	Pass
n40	5510	15.40	0	15.32	24	Pass
n40	5670	17.24	0	17.18	24	Pass
n40	5755	16.93	0	16.85	30	Pass
n40	5795	16.81	0	16.81	30	Pass
ac20	5180	15.41	0	15.47	24	Pass
ac20	5240	15.11	0	15.14	24	Pass
ac20	5260	15.18	0	15.21	24	Pass
ac20	5320	15.27	0	15.24	24	Pass
ac20	5500	15.06	0	14.97	24	Pass
ac20	5700	15.85	0	15.88	24	Pass
ac20	5745	15.52	0	15.57	30	Pass
ac20	5825	15.16	0	15.25	30	Pass
ac40	5190	16.26	0	16.35	24	Pass
ac40	5230	16.86	0	16.86	24	Pass
ac40	5270	16.85	0	16.84	24	Pass
ac40	5310	15.85	0	15.86	24	Pass
ac40	5510	15.32	0	15.29	24	Pass
ac40	5670	17.16	0	17.13	24	Pass
ac40	5755	16.79	0	16.80	30	Pass
ac40	5795	16.72	0	16.70	30	Pass
ac80	5210	16.72	0	16.71	24	Pass
ac80	5290	15.02	0	15.05	24	Pass
ac80	5530	15.64	0	15.64	24	Pass
ac80	5610	17.53	0	17.51	24	Pass
ac80	5775	16.32	0	16.31	30	Pass
ax160	5250	11.89	0	11.85	24	Pass
ax160	5570	13.73	0	13.63	24	Pass
ax20	5180	15.43	0	15.45	24	Pass
ax20	5240	15.08	0	15.09	24	Pass
ax20	5260	15.17	0	15.15	24	Pass
ax20	5320	15.27	0	15.25	24	Pass
ax20	5500	15.03	0	15.01	24	Pass
ax20	5700	15.82	0	15.85	24	Pass
ax20	5745	15.56	0	15.51	30	Pass
ax20	5825	15.23	0	15.21	30	Pass
ax40	5190	16.09	0	16.21	24	Pass
ax40	5230	16.67	0	16.74	24	Pass
ax40	5270	16.65	0	16.72	24	Pass
ax40	5310	15.58	0	15.71	24	Pass
ax40	5510	15.02	0	15.18	24	Pass
ax40	5670	16.91	0	17.07	24	Pass
ax40	5755	16.54	0	16.72	30	Pass
ax40	5795	16.49	0	16.63	30	Pass
ax80	5210	16.45	0	16.40	24	Pass
ax80	5290	14.76	0	14.72	24	Pass
ax80	5530	15.36	0	15.37	24	Pass
ax80	5610	17.31	0	17.26	24	Pass
ax80	5775	16.03	0	16.03	30	Pass

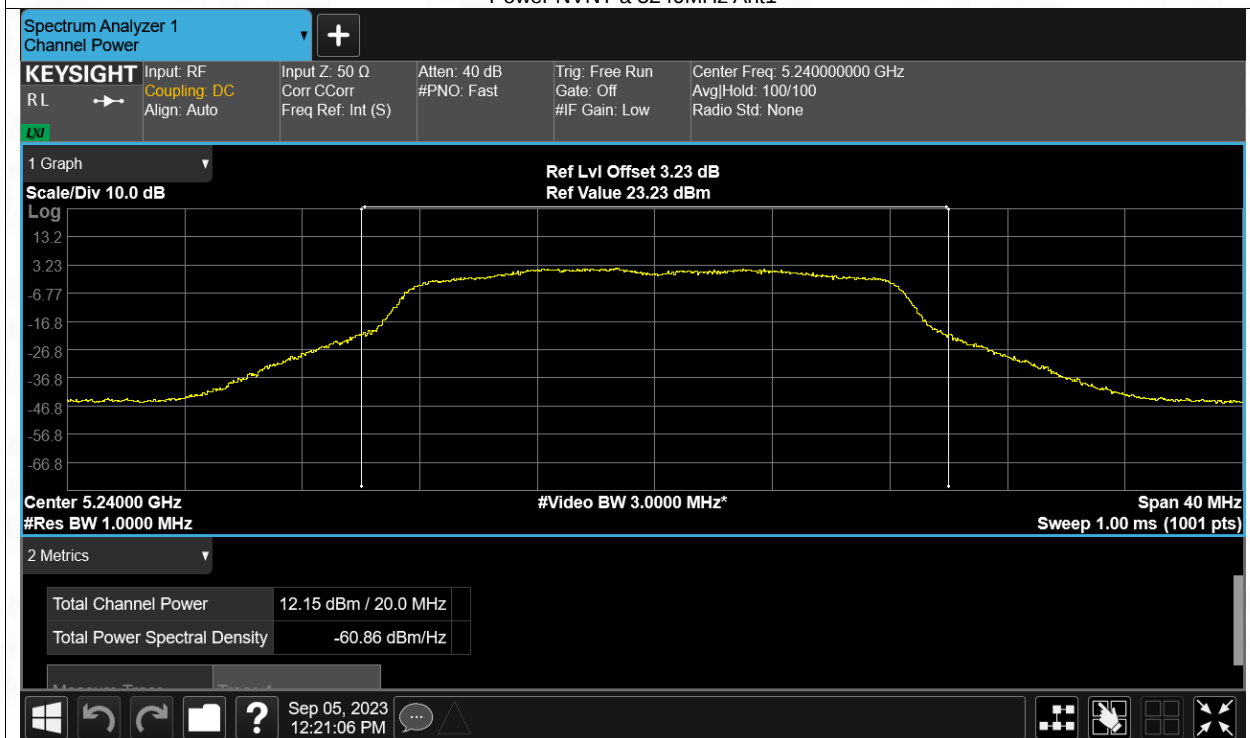
2.1.2 Test Graph

ANT1

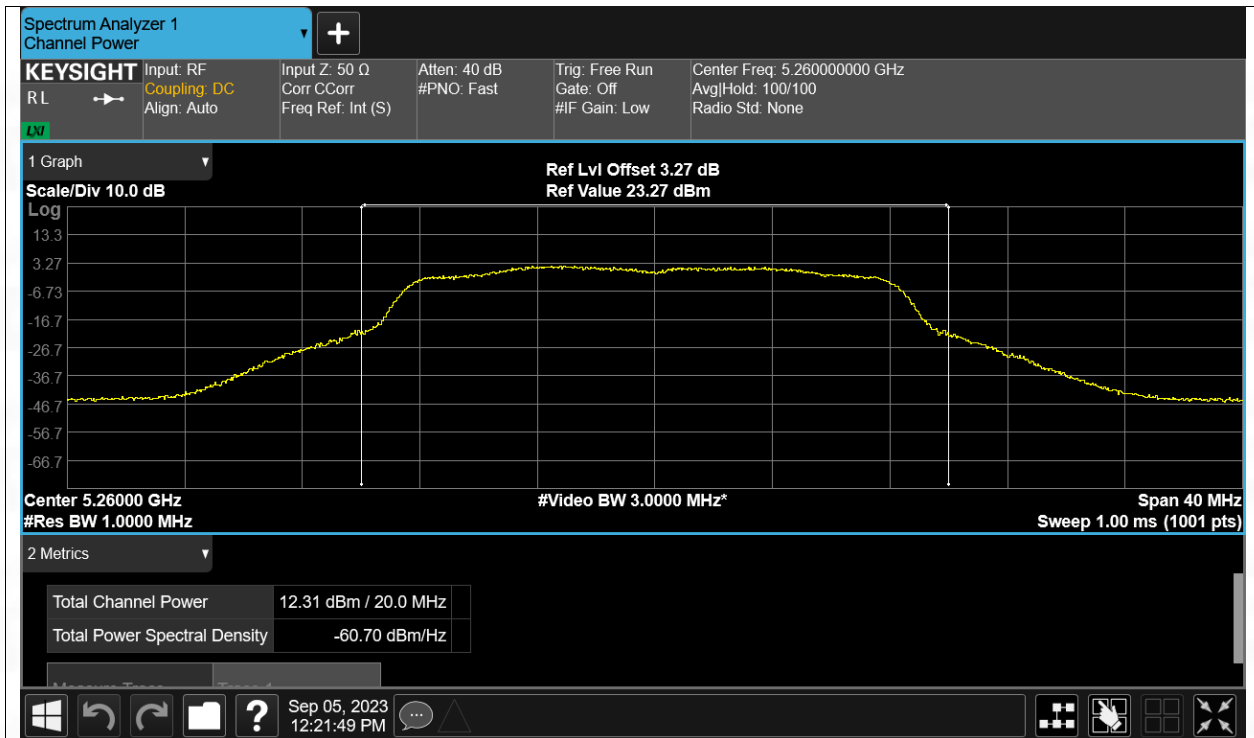
Test Graphs
Power NVNT a 5180MHz Ant1



Power NVNT a 5240MHz Ant1



Power NVNT a 5260MHz Ant1



Power NVNT a 5320MHz Ant1

