

Appendix

1. Bandwidth

1.1 OBW

1.1.1 Test Result

Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	23.144	0.5	Pass
a	5240	Ant1	22.663	0.5	Pass
a	5260	Ant1	23.541	0.5	Pass
a	5320	Ant1	23.619	0.5	Pass
a	5500	Ant1	23.51	0.5	Pass
a	5700	Ant1	22.751	0.5	Pass
n20	5180	Ant1	22.894	0.5	Pass
n20	5240	Ant1	22.842	0.5	Pass
n20	5260	Ant1	23.269	0.5	Pass
n20	5320	Ant1	22.645	0.5	Pass
n20	5500	Ant1	23.362	0.5	Pass
n20	5700	Ant1	23.284	0.5	Pass
n40	5190	Ant1	41.685	0.5	Pass
n40	5230	Ant1	42.305	0.5	Pass
n40	5270	Ant1	43.099	0.5	Pass
n40	5310	Ant1	42.977	0.5	Pass
n40	5510	Ant1	43.431	0.5	Pass
n40	5670	Ant1	41.756	0.5	Pass
ac20	5180	Ant1	22.355	0.5	Pass
ac20	5240	Ant1	22.646	0.5	Pass
ac20	5260	Ant1	23.308	0.5	Pass
ac20	5320	Ant1	23.023	0.5	Pass
ac20	5500	Ant1	22.783	0.5	Pass
ac20	5700	Ant1	23.225	0.5	Pass
ac40	5190	Ant1	43.255	0.5	Pass
ac40	5230	Ant1	43.3	0.5	Pass
ac40	5270	Ant1	43.546	0.5	Pass
ac40	5310	Ant1	42.788	0.5	Pass
ac40	5510	Ant1	41.597	0.5	Pass
ac40	5670	Ant1	42.621	0.5	Pass
ac80	5210	Ant1	84.082	0.5	Pass
ac80	5290	Ant1	85.038	0.5	Pass
ac80	5530	Ant1	83.686	0.5	Pass
ac80	5610	Ant1	85.9	0.5	Pass
ax160	5250	Ant1	160.581	0.5	Pass
ax160	5570	Ant1	160.769	0.5	Pass
ax20	5180	Ant1	22.543	0.5	Pass
ax20	5240	Ant1	22.268	0.5	Pass
ax20	5260	Ant1	22.806	0.5	Pass
ax20	5320	Ant1	22.949	0.5	Pass
ax20	5500	Ant1	21.673	0.5	Pass
ax20	5700	Ant1	22.265	0.5	Pass
ax40	5190	Ant1	40.196	0.5	Pass
ax40	5230	Ant1	42.026	0.5	Pass
ax40	5270	Ant1	40.59	0.5	Pass
ax40	5310	Ant1	42.629	0.5	Pass
ax40	5510	Ant1	42.798	0.5	Pass
ax40	5670	Ant1	42.729	0.5	Pass

ax80	5210	Ant1	79.83	0.5	Pass
ax80	5290	Ant1	81.036	0.5	Pass
ax80	5530	Ant1	81.206	0.5	Pass
ax80	5610	Ant1	83.772	0.5	Pass

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	16.327	0.5	Pass
a	5825	Ant1	16.327	0.5	Pass
n20	5745	Ant1	17.533	0.5	Pass
n20	5825	Ant1	17.3	0.5	Pass
n40	5755	Ant1	36.295	0.5	Pass
n40	5795	Ant1	36.298	0.5	Pass
ac20	5745	Ant1	17.556	0.5	Pass
ac20	5825	Ant1	17.563	0.5	Pass
ac40	5755	Ant1	36.031	0.5	Pass
ac40	5795	Ant1	36.305	0.5	Pass
ac80	5775	Ant1	75.025	0.5	Pass
ax20	5745	Ant1	18.429	0.5	Pass
ax20	5825	Ant1	18.527	0.5	Pass
ax40	5755	Ant1	37.834	0.5	Pass
ax40	5795	Ant1	37.778	0.5	Pass
ax80	5775	Ant1	75.058	0.5	Pass

1.1.2 Test Graph



-26dB Bandwidth NVNT a 5260MHz Ant1



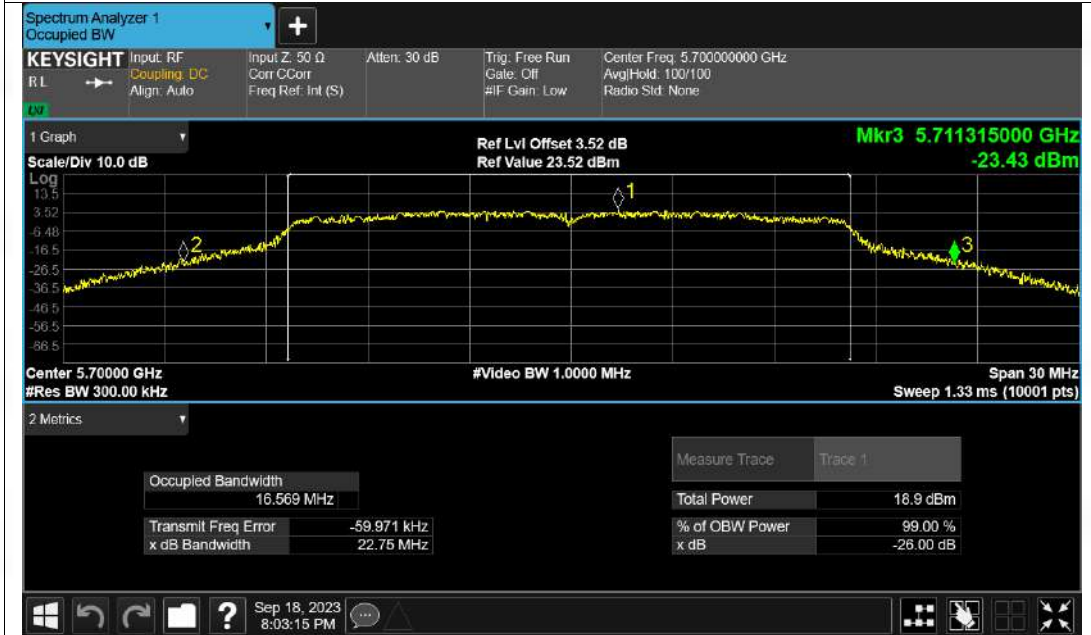
-26dB Bandwidth NVNT a 5320MHz Ant1



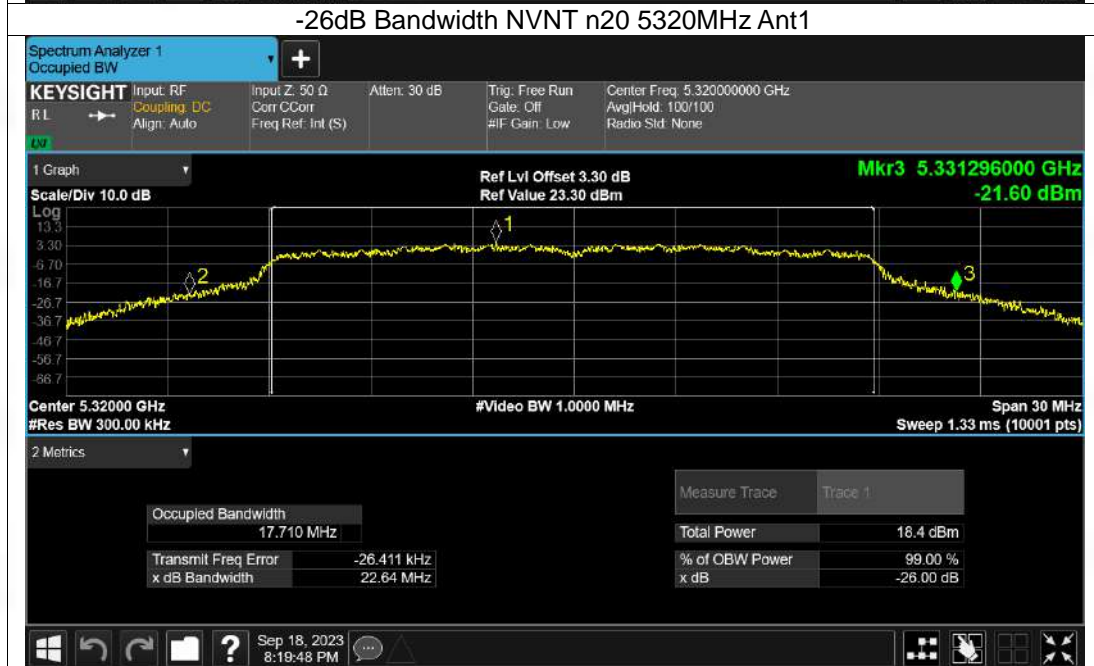
-26dB Bandwidth NVNT a 5500MHz Ant1



-26dB Bandwidth NVNT a 5700MHz Ant1

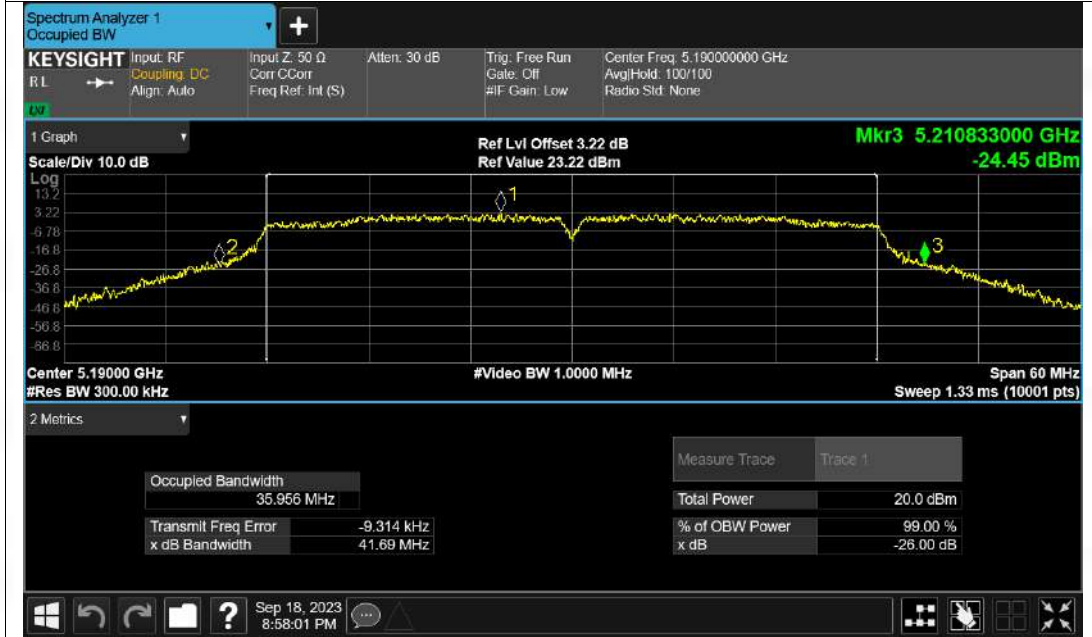




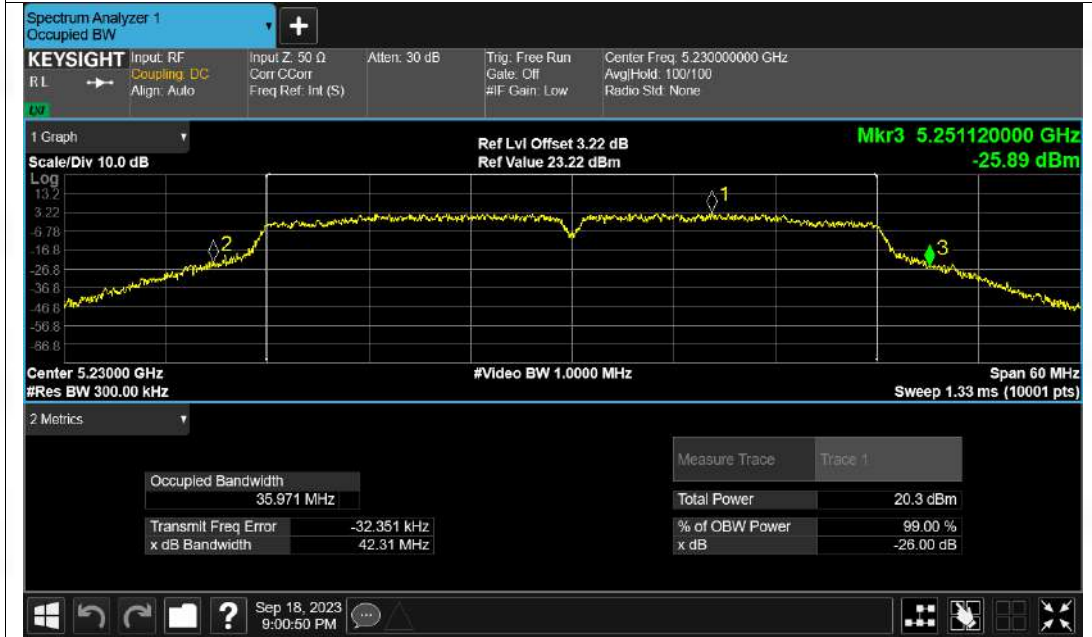




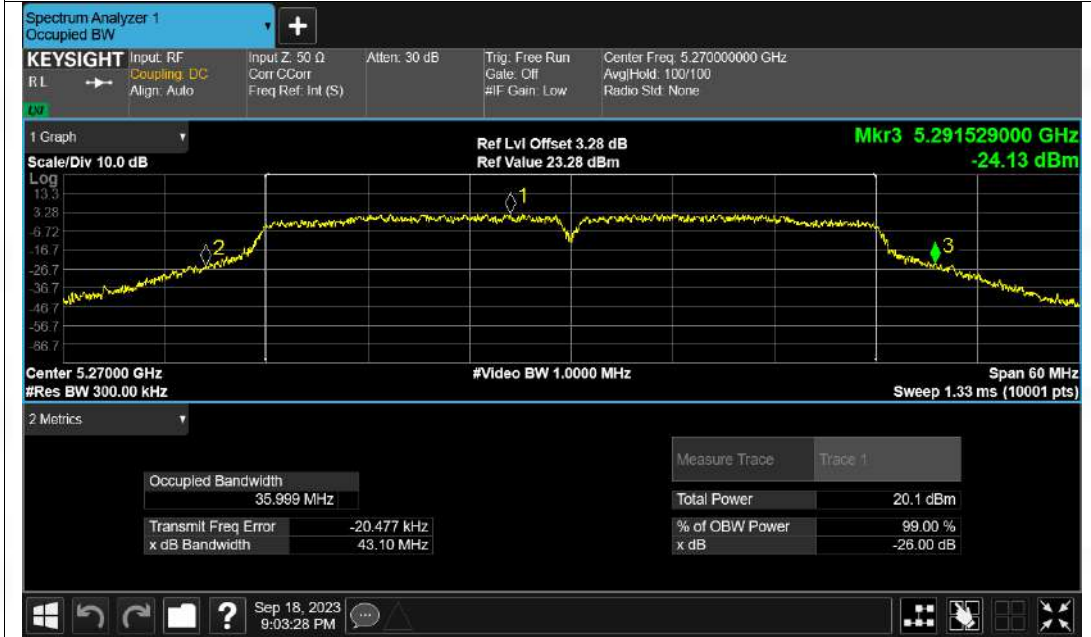
-26dB Bandwidth NVNT n40 5190MHz Ant1



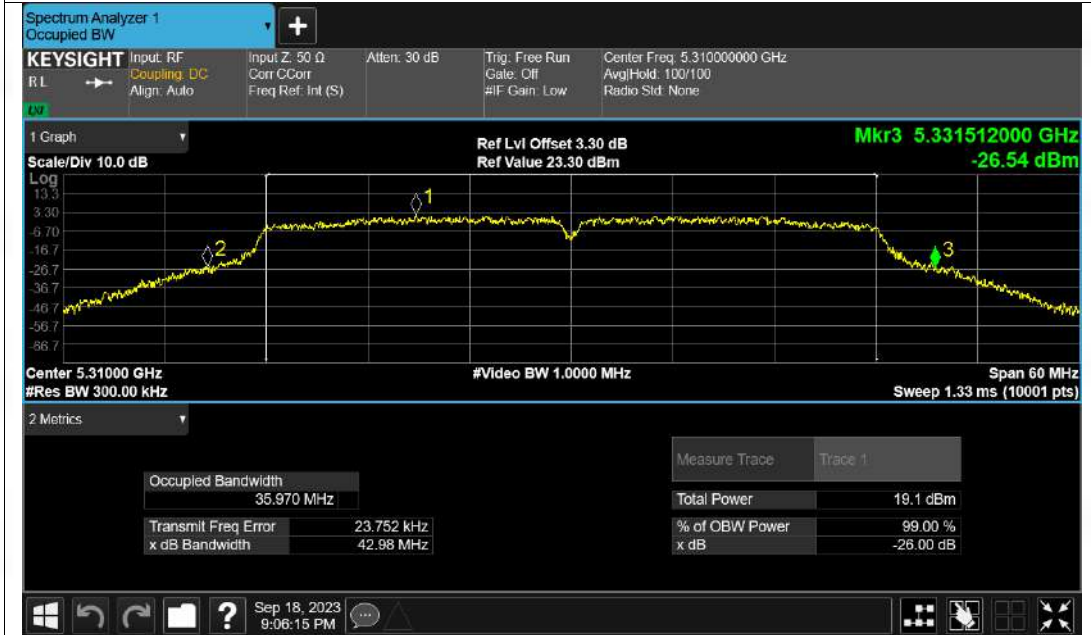
-26dB Bandwidth NVNT n40 5230MHz Ant1



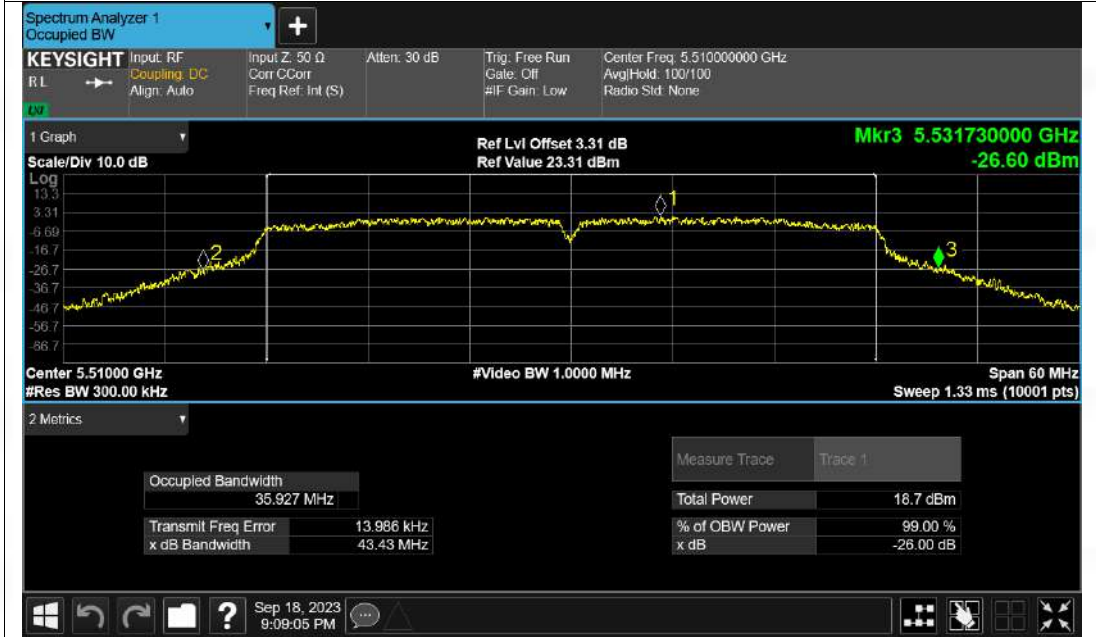
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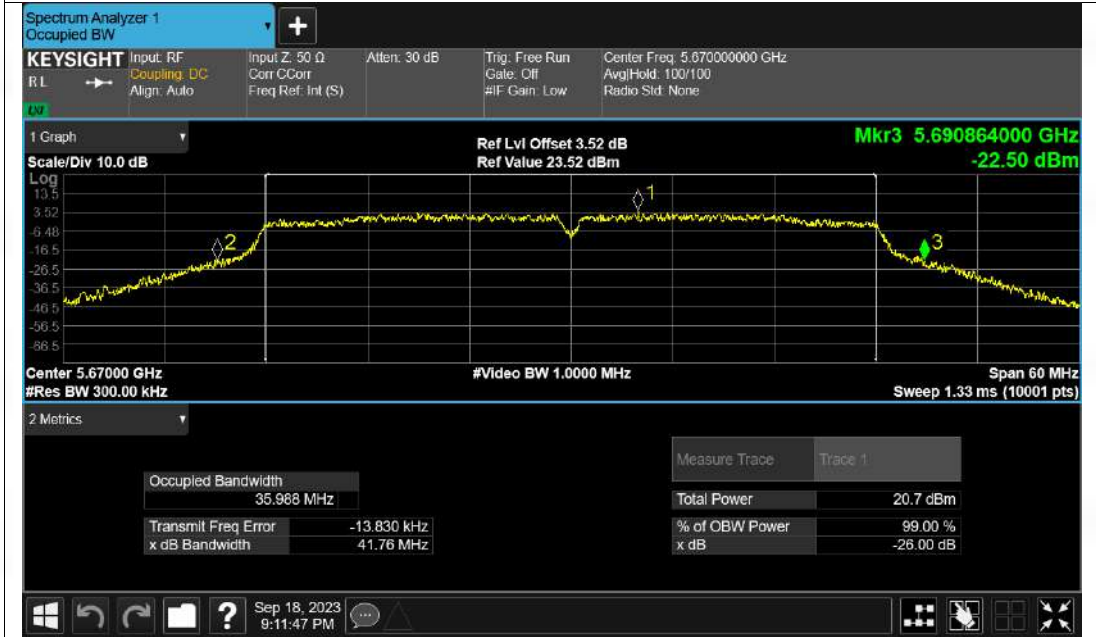
-26dB Bandwidth NVNT n40 5310MHz Ant1



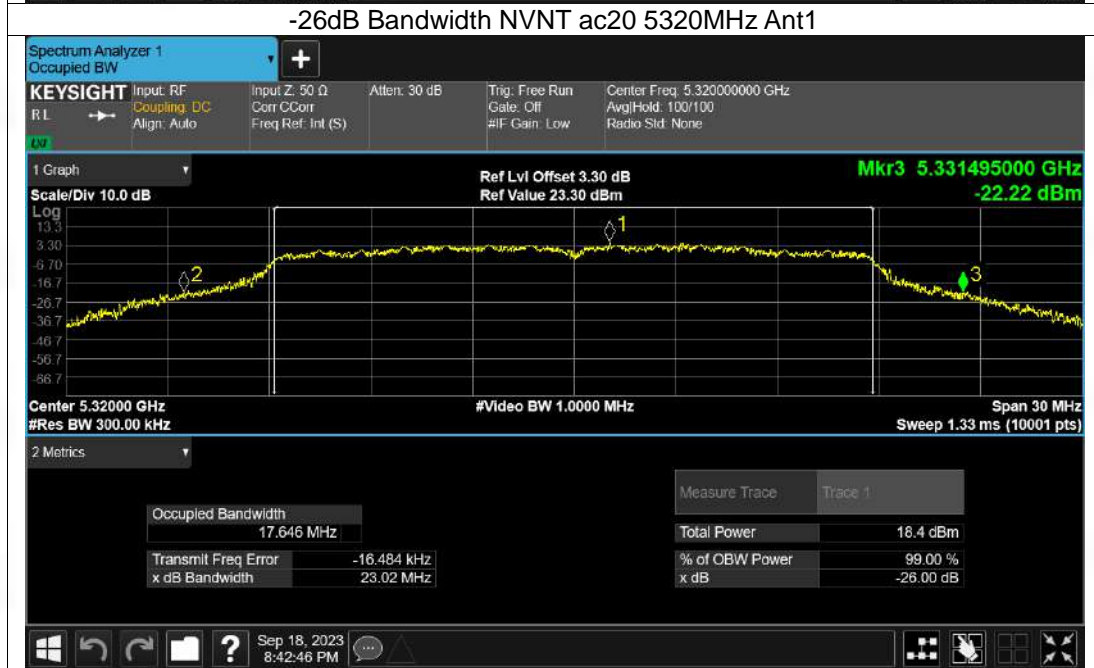
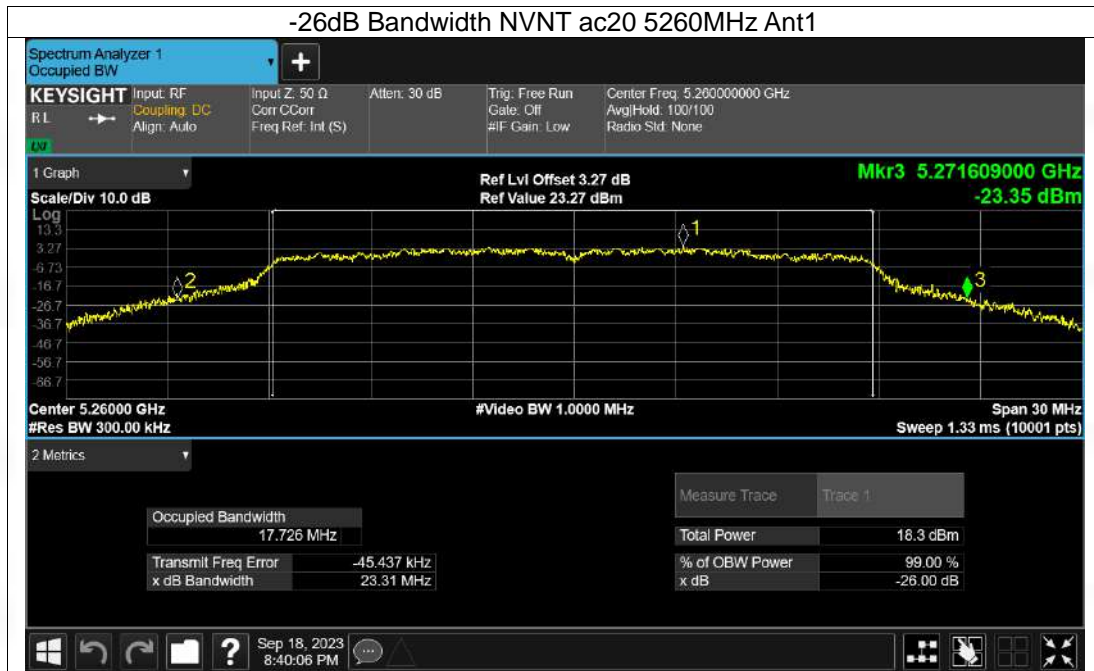
-26dB Bandwidth NVNT n40 5510MHz Ant1

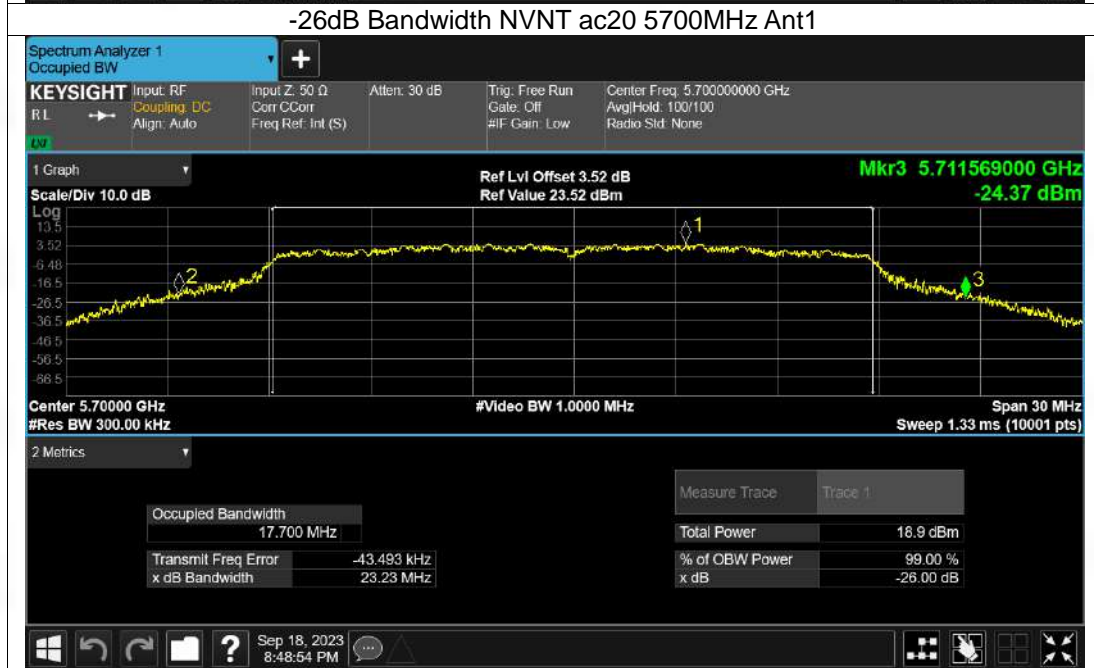
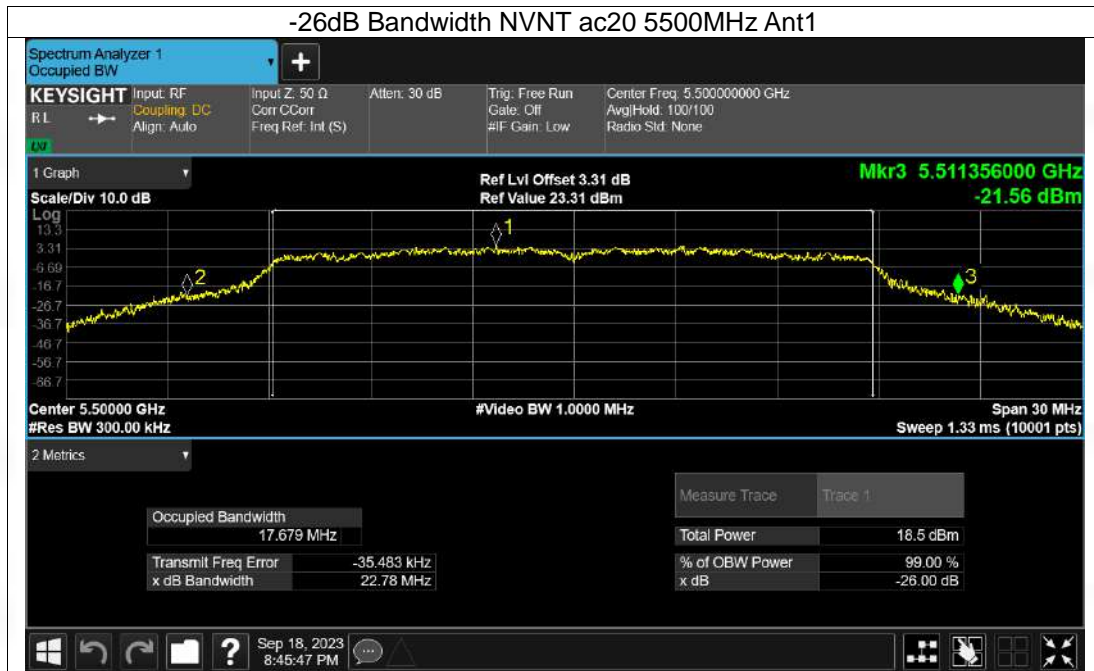


-26dB Bandwidth NVNT n40 5670MHz Ant1

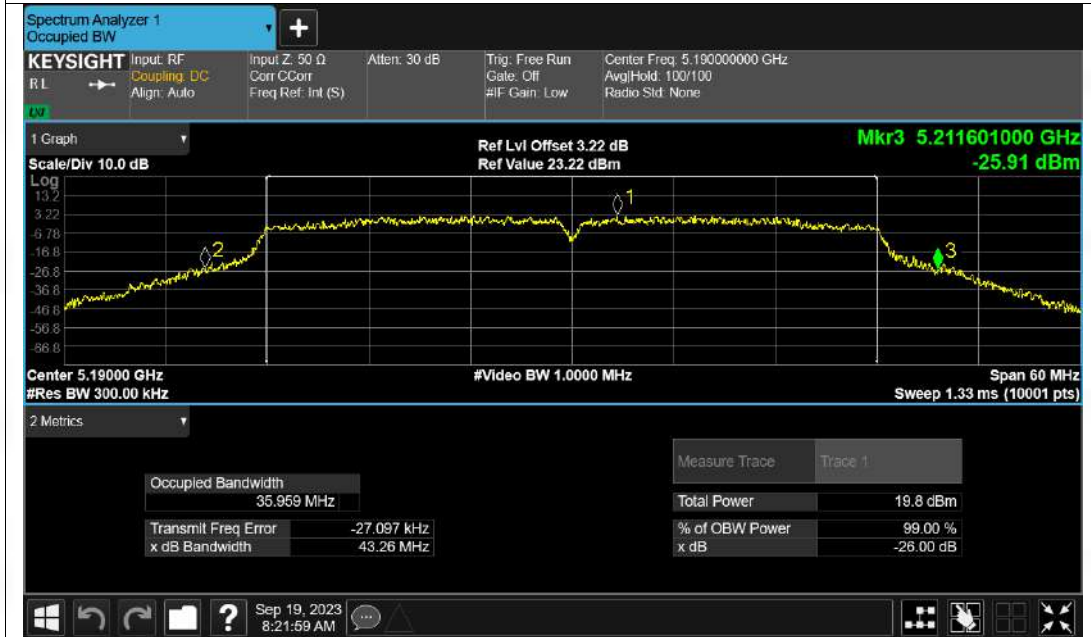




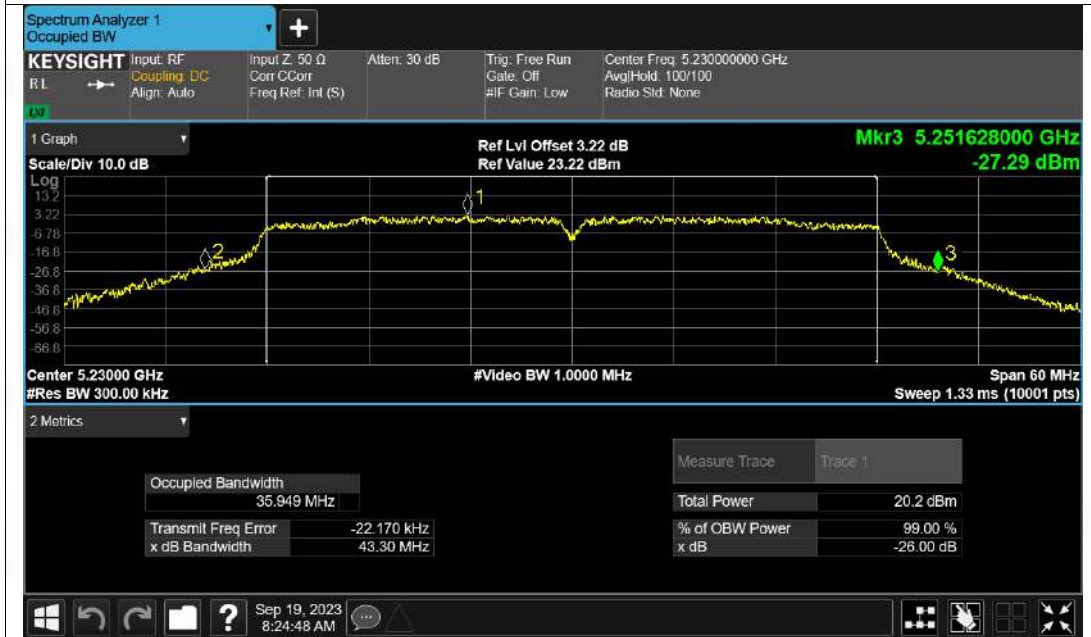




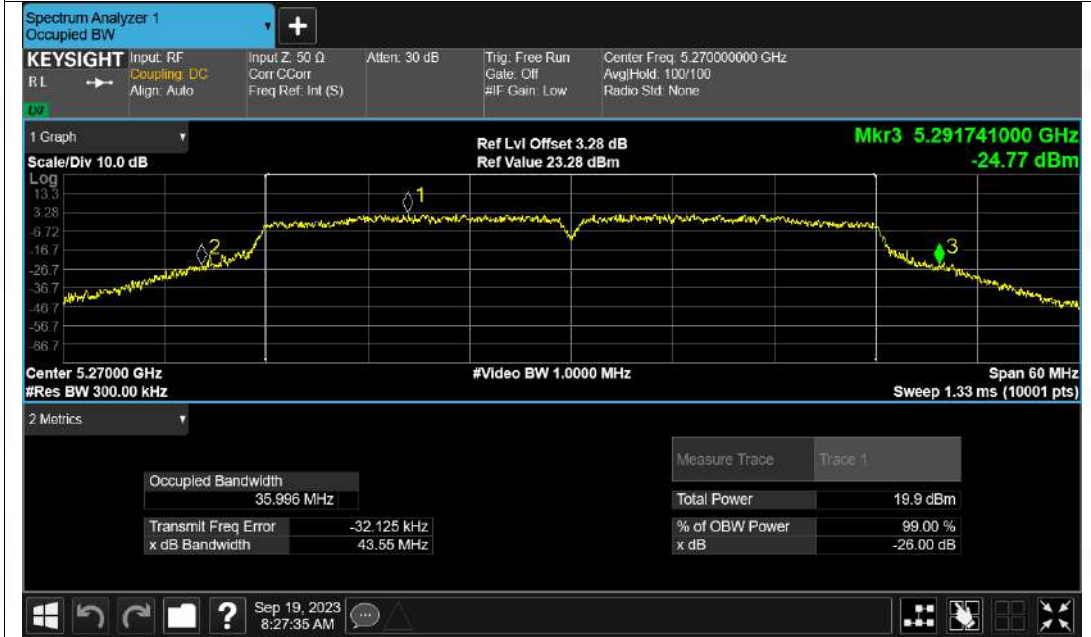
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1

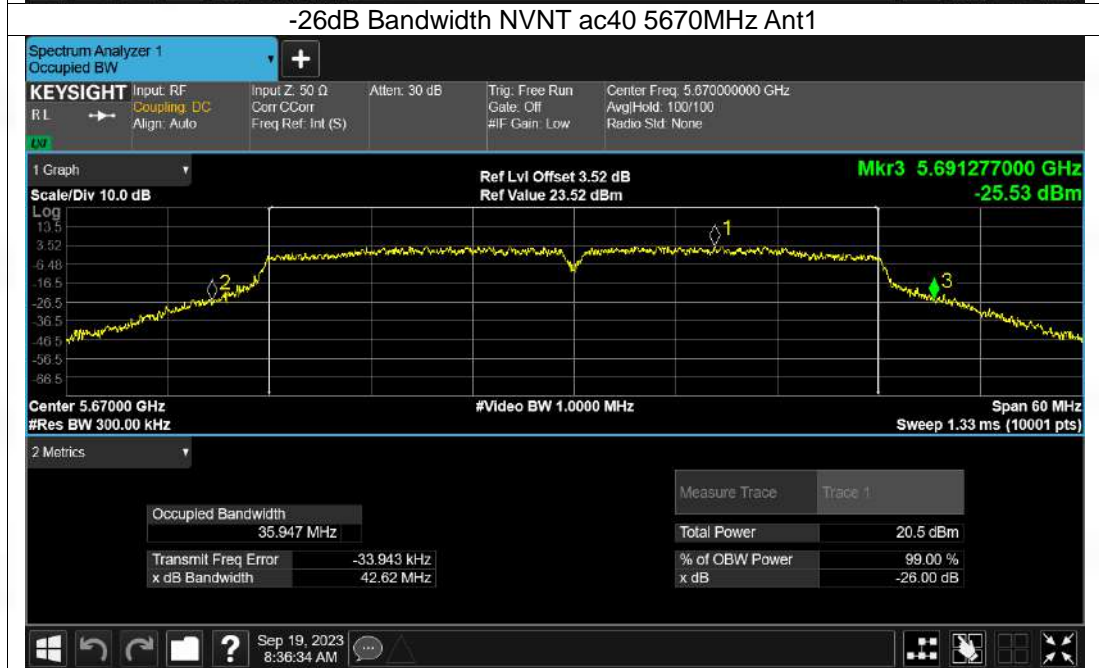
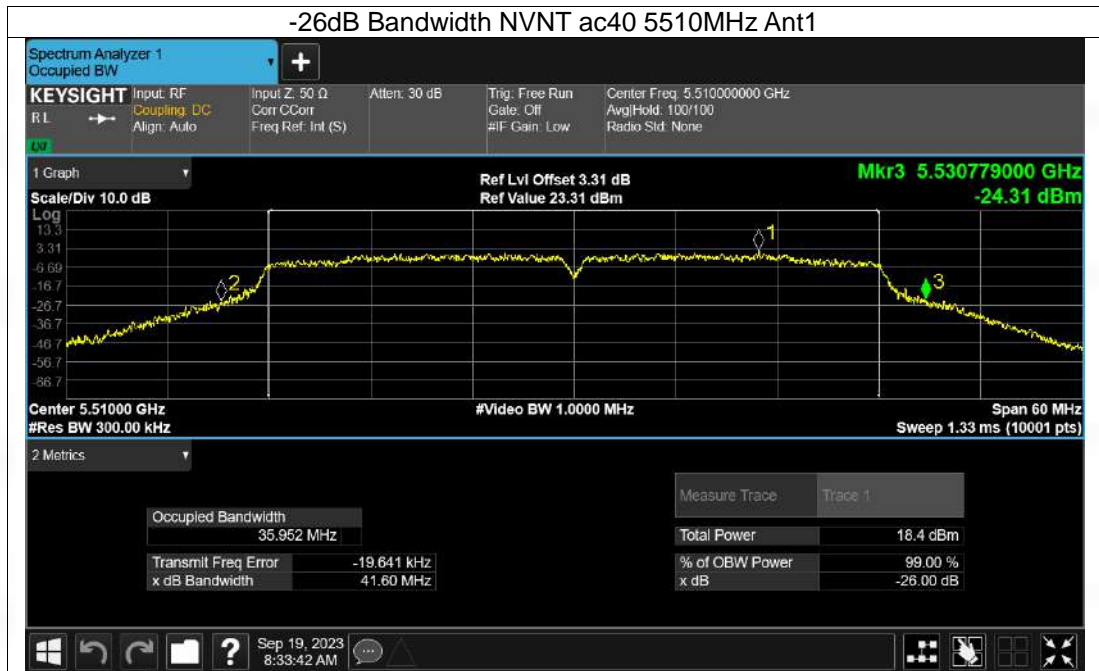


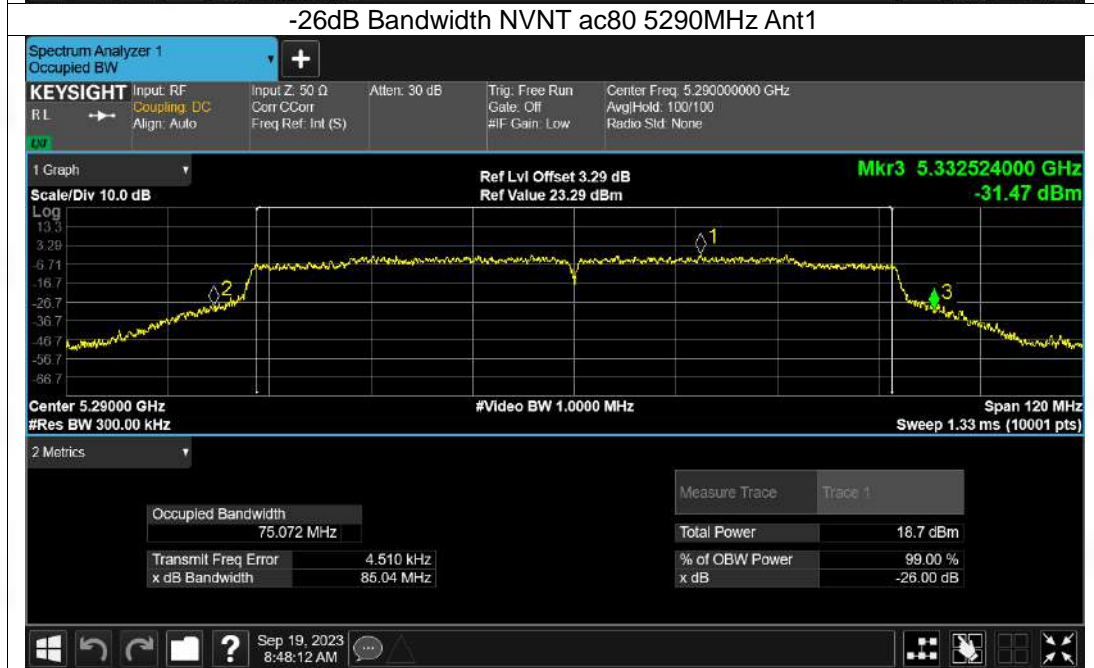
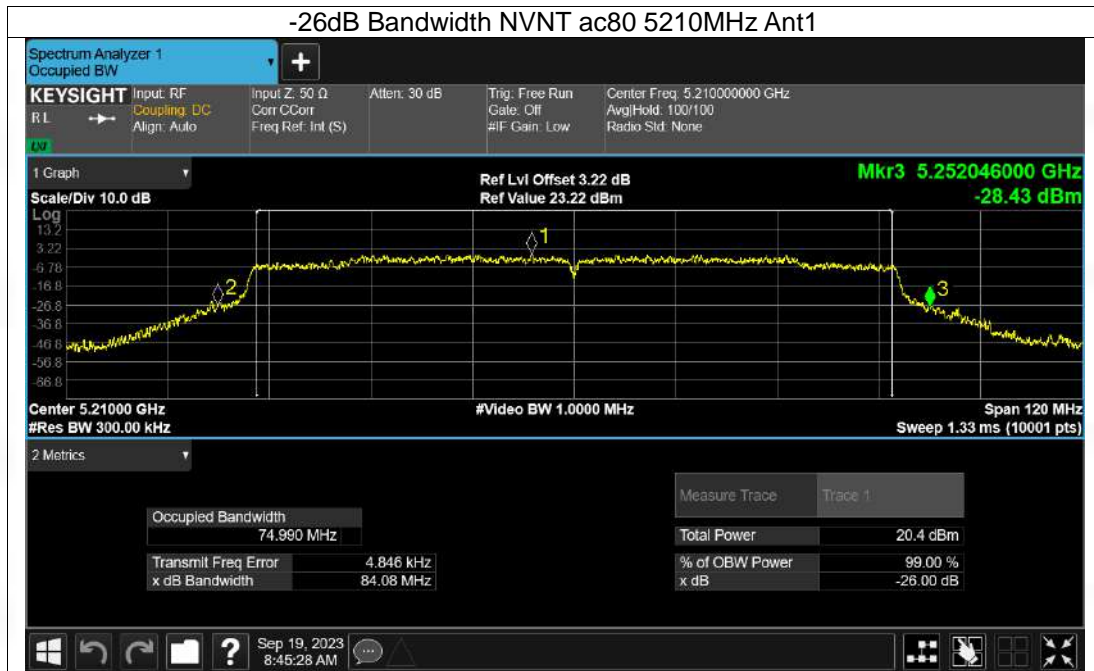
-26dB Bandwidth NVNT ac40 5270MHz Ant1

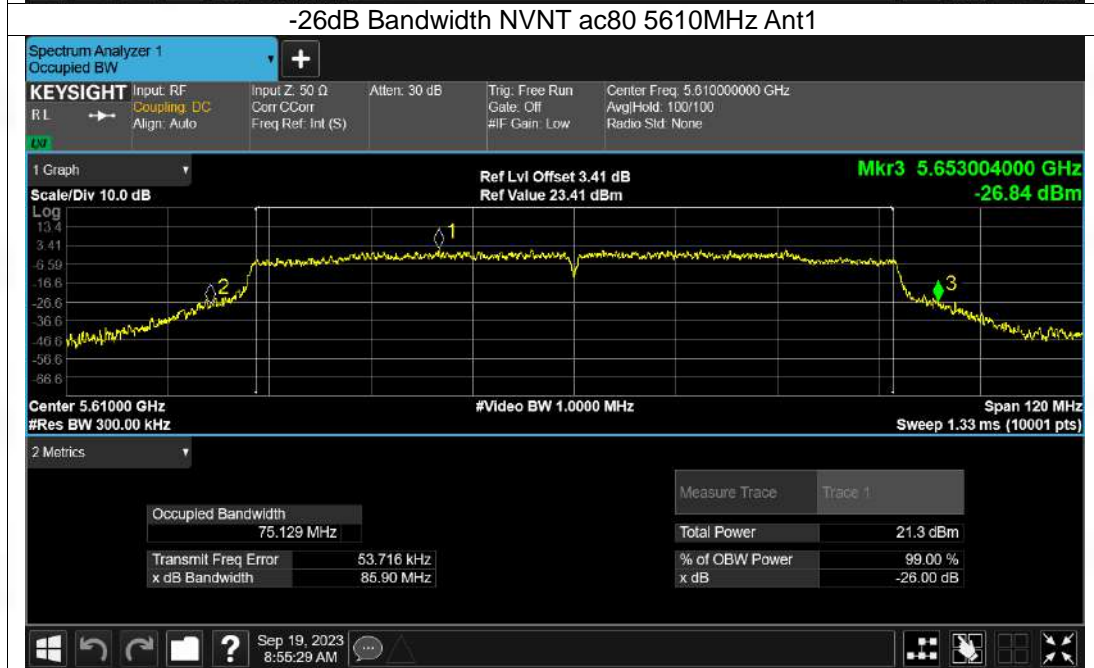
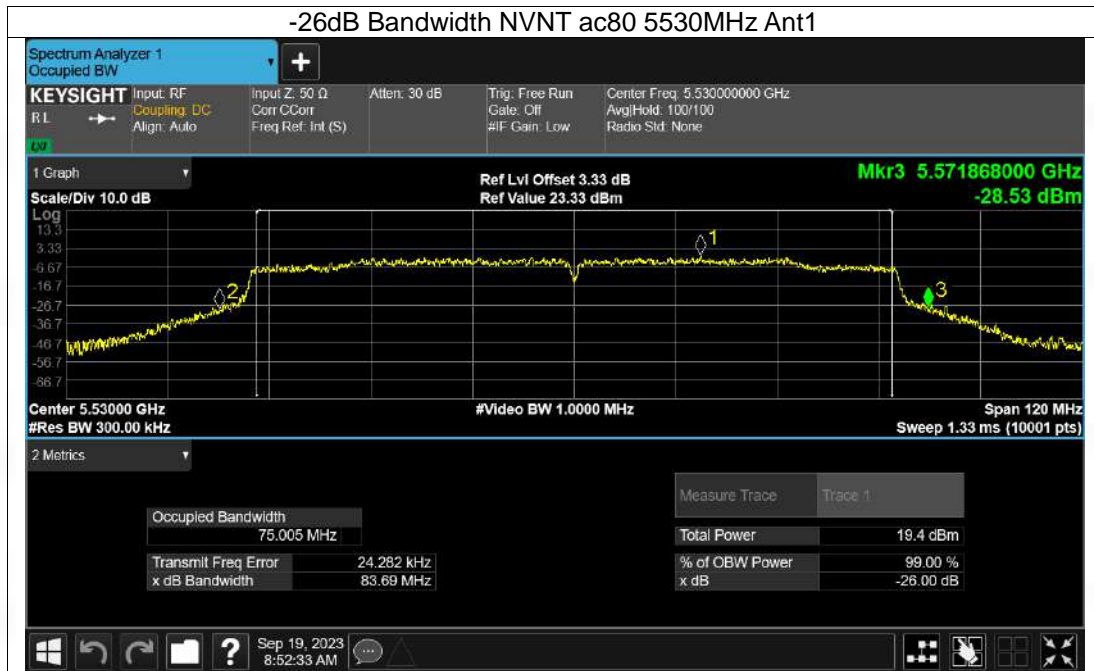


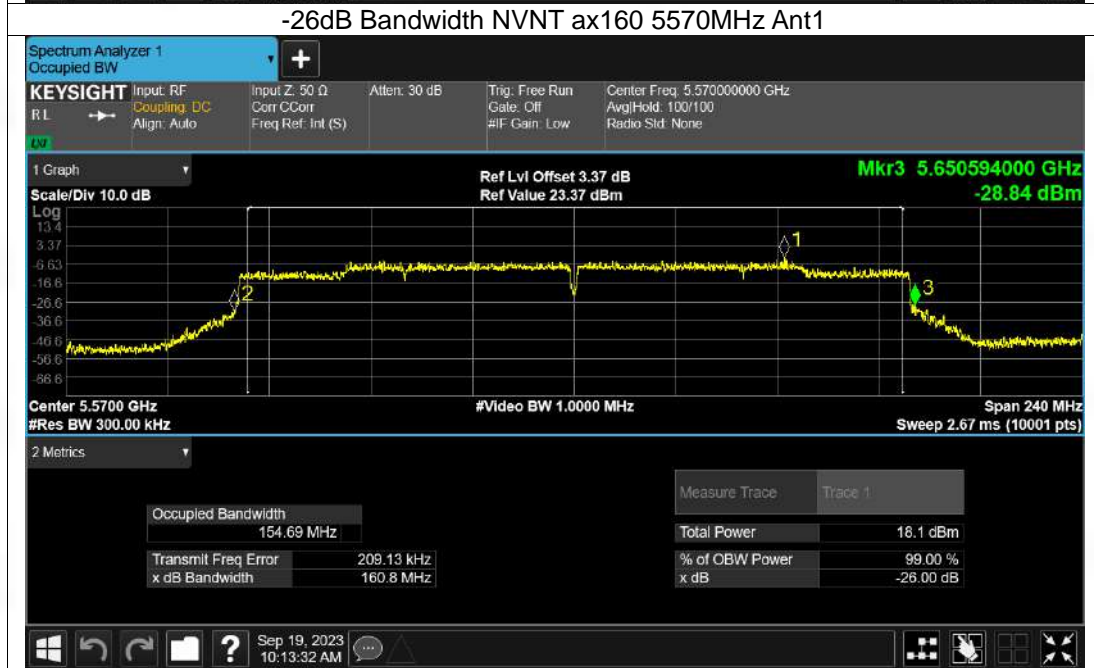
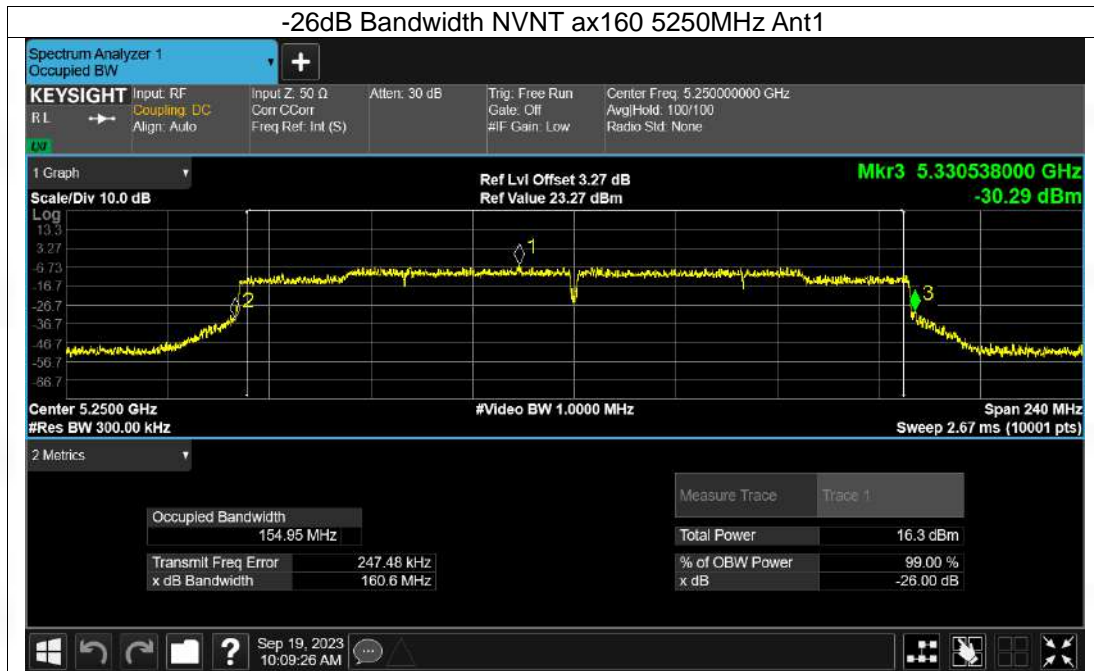
-26dB Bandwidth NVNT ac40 5310MHz Ant1

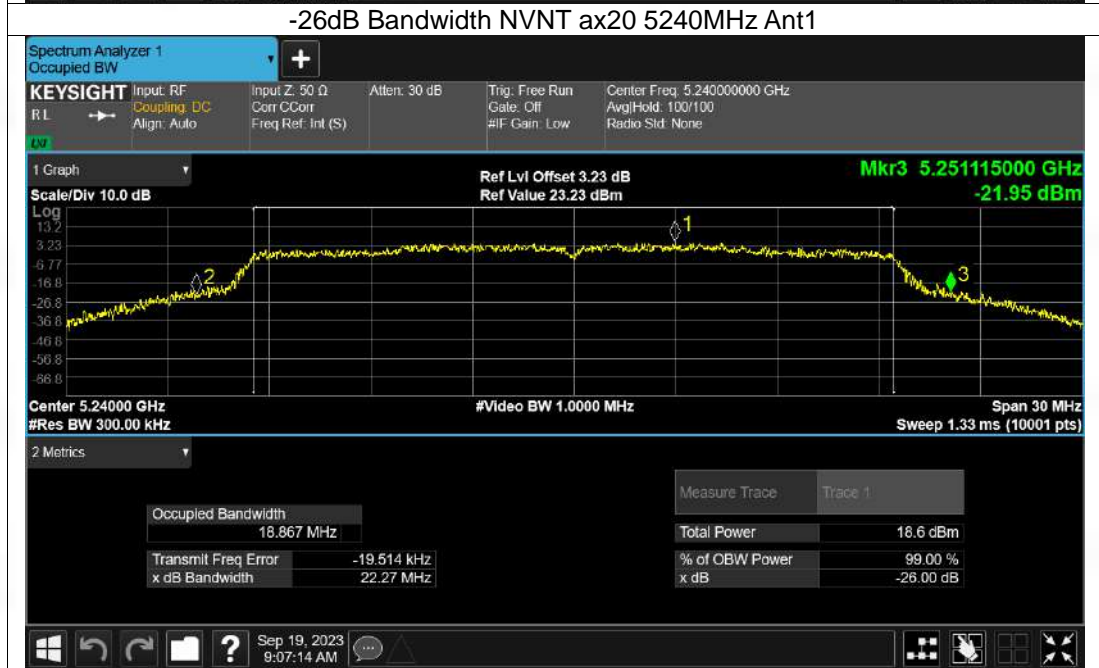
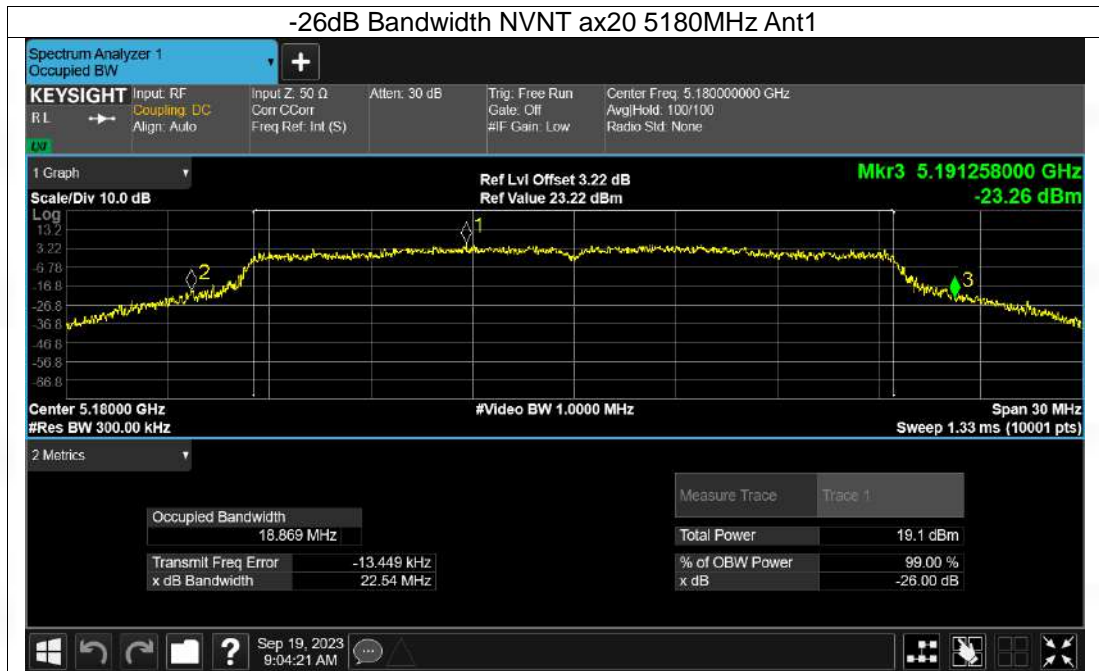


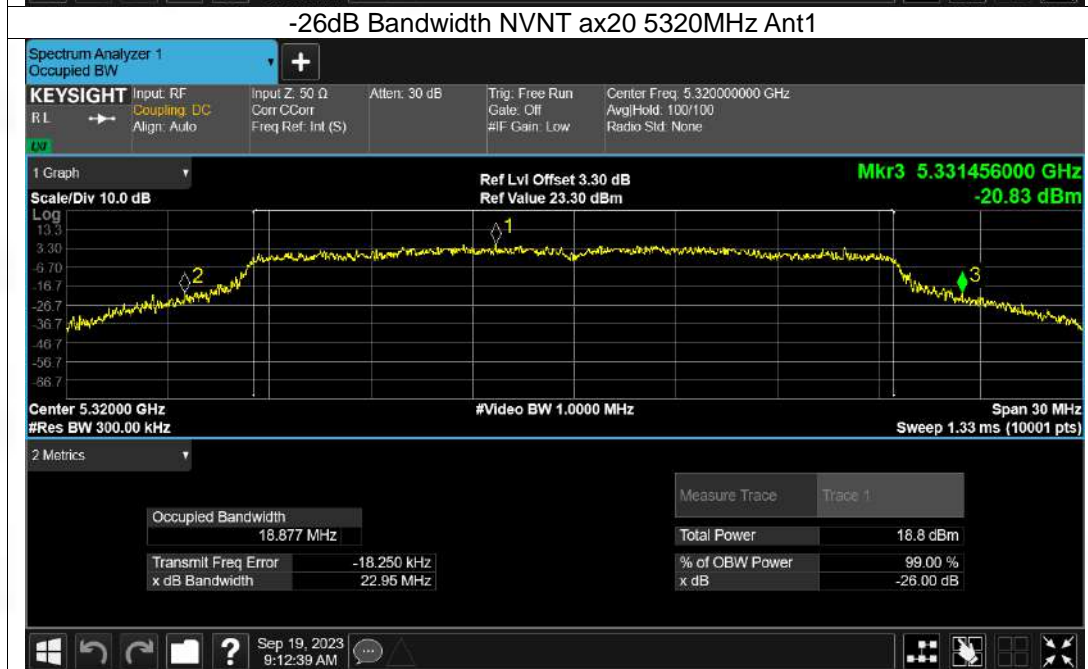
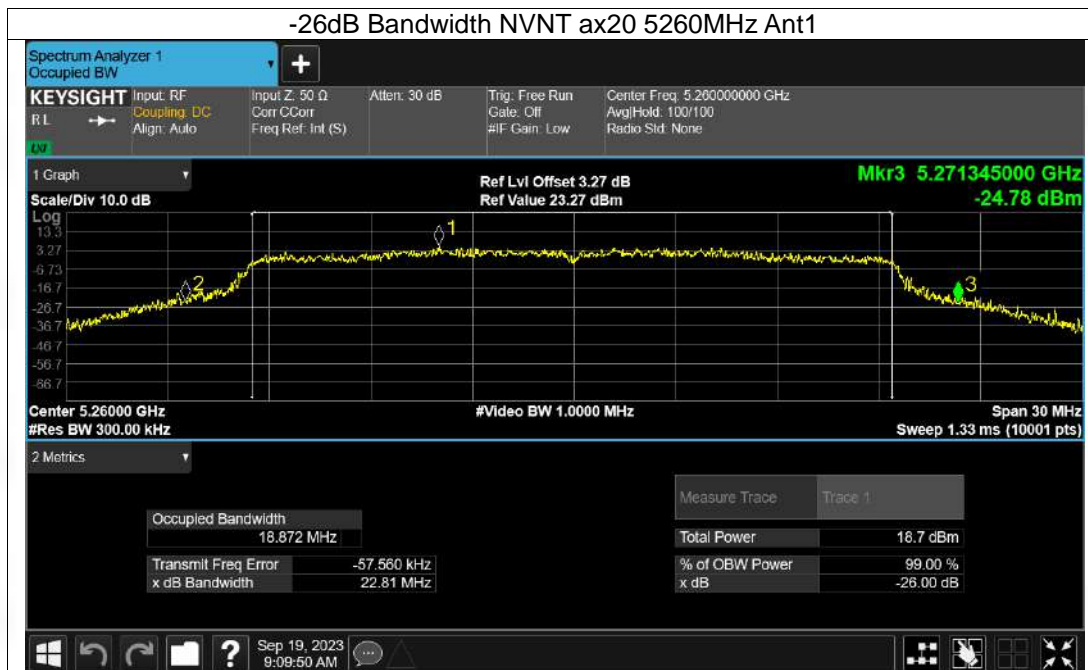


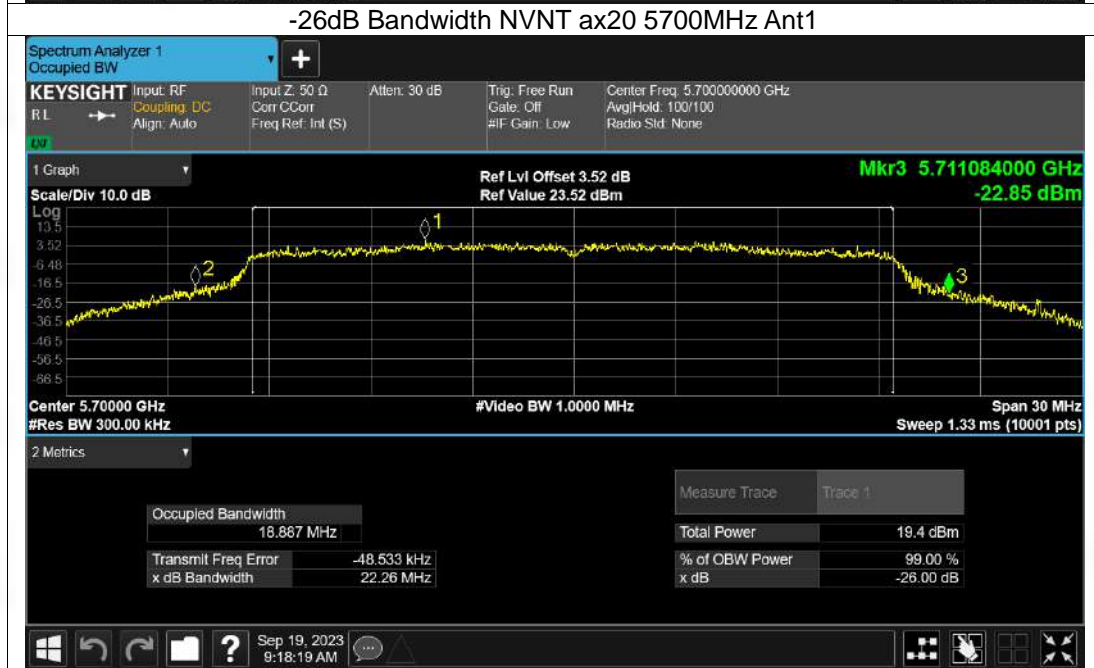
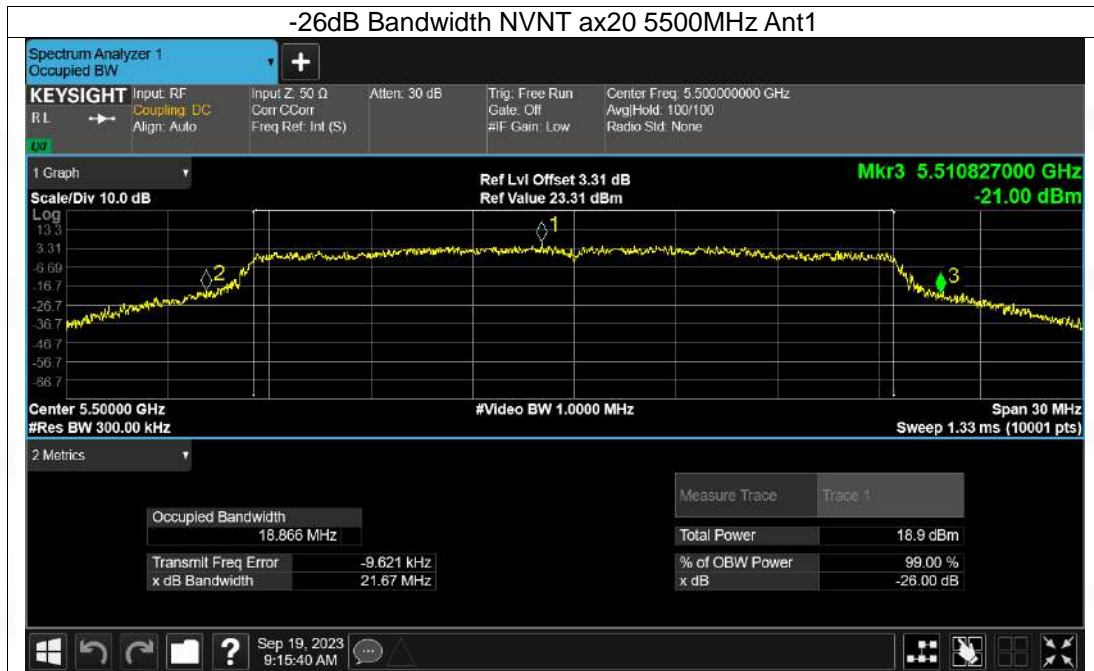




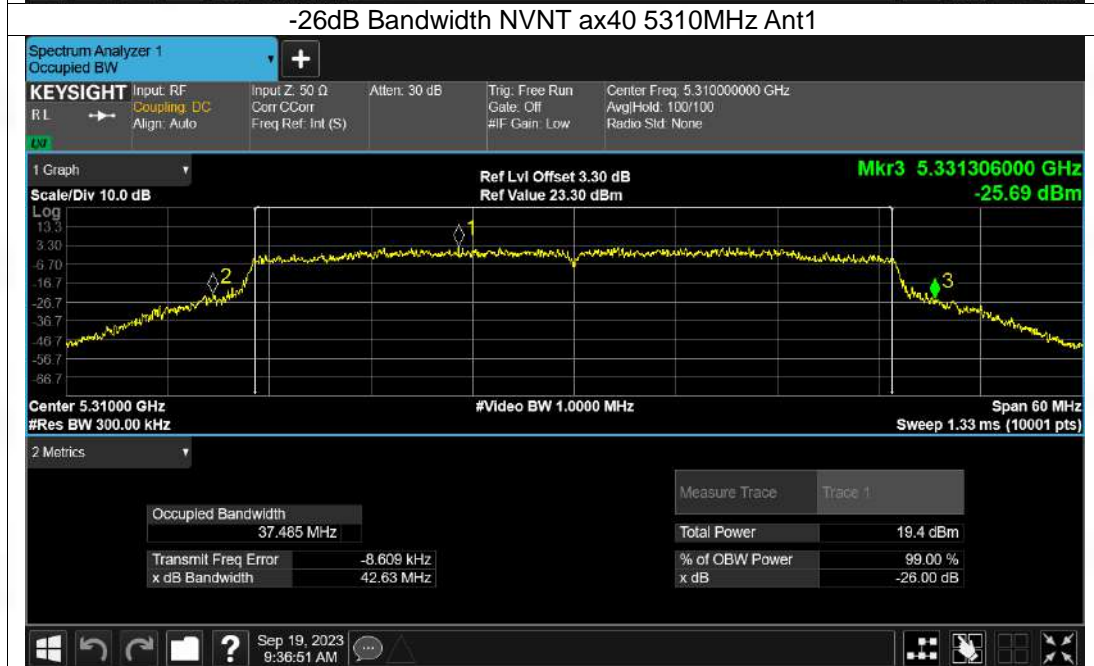
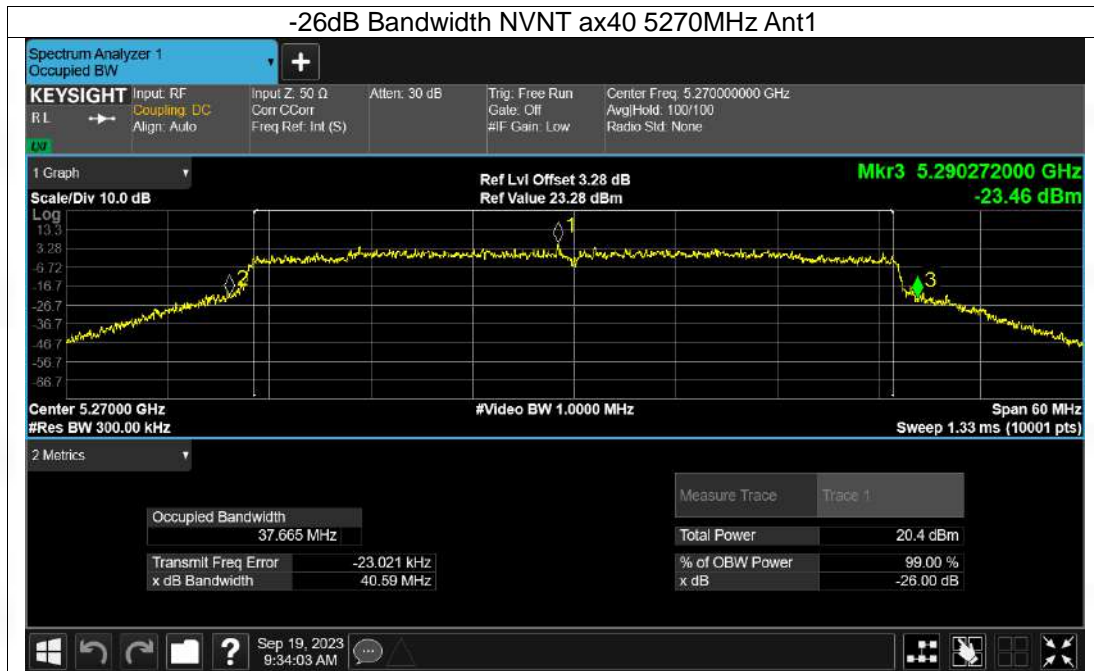




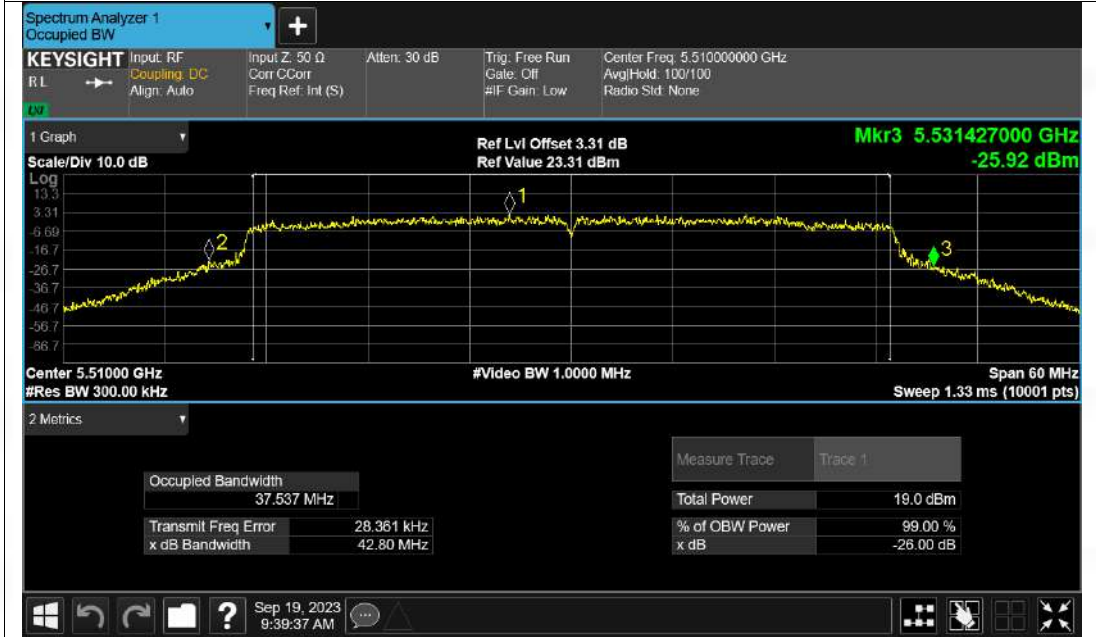




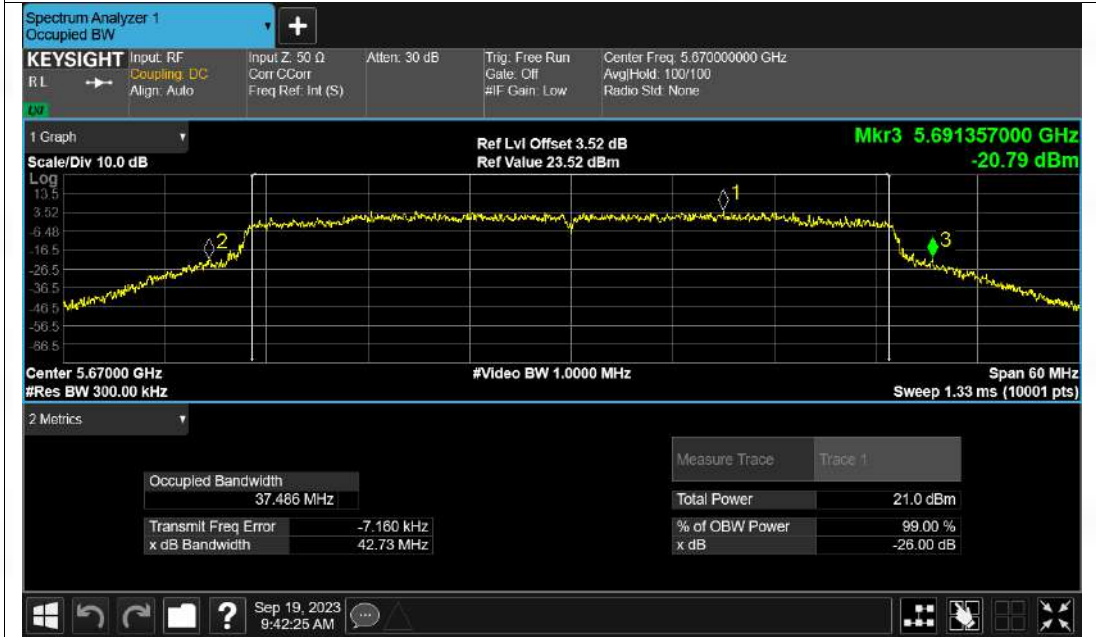




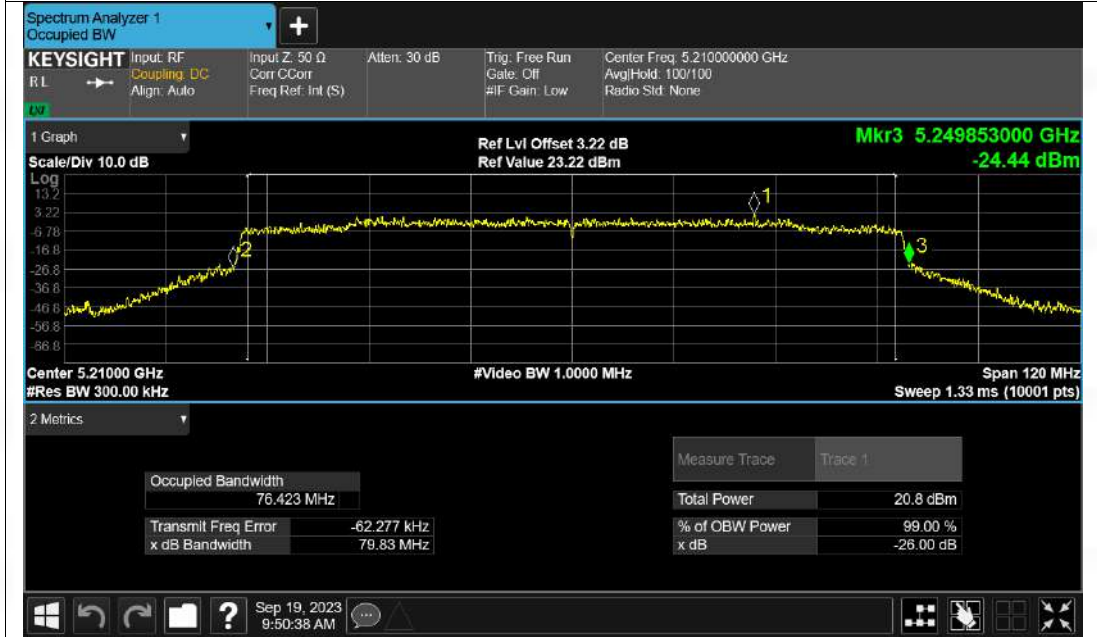
-26dB Bandwidth NVNT ax40 5510MHz Ant1



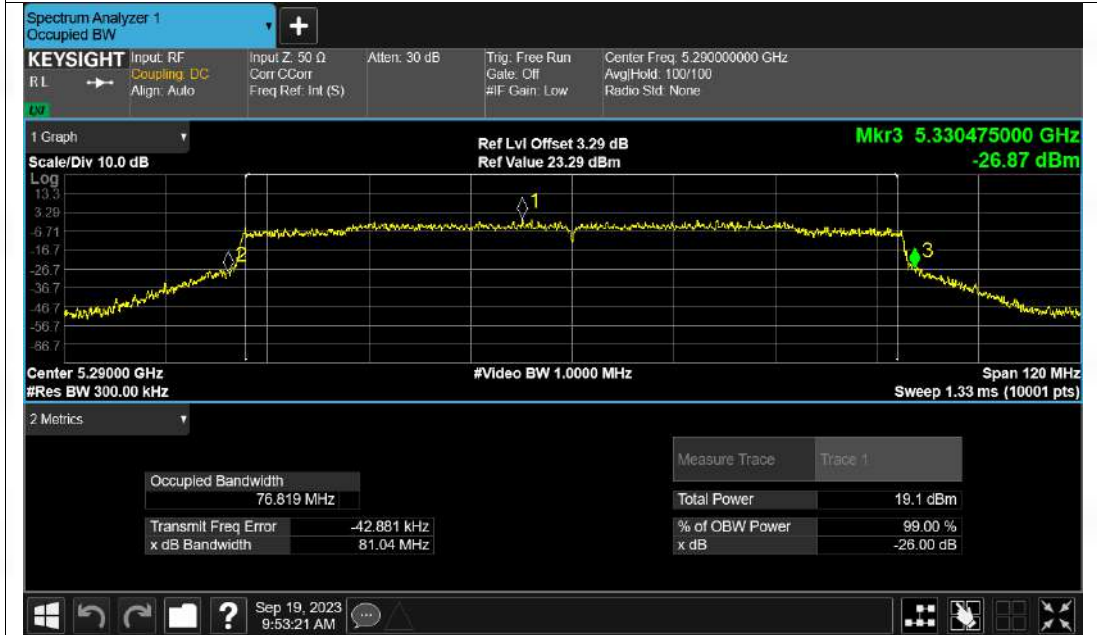
-26dB Bandwidth NVNT ax40 5670MHz Ant1



-26dB Bandwidth NVNT ax80 5210MHz Ant1



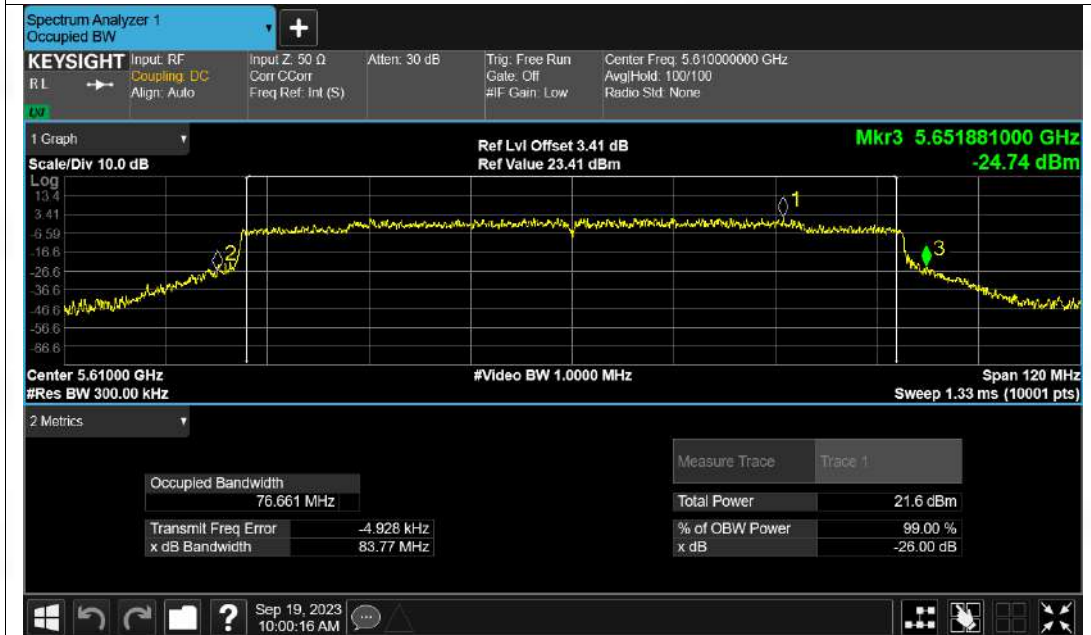
-26dB Bandwidth NVNT ax80 5290MHz Ant1



-26dB Bandwidth NVNT ax80 5530MHz Ant1

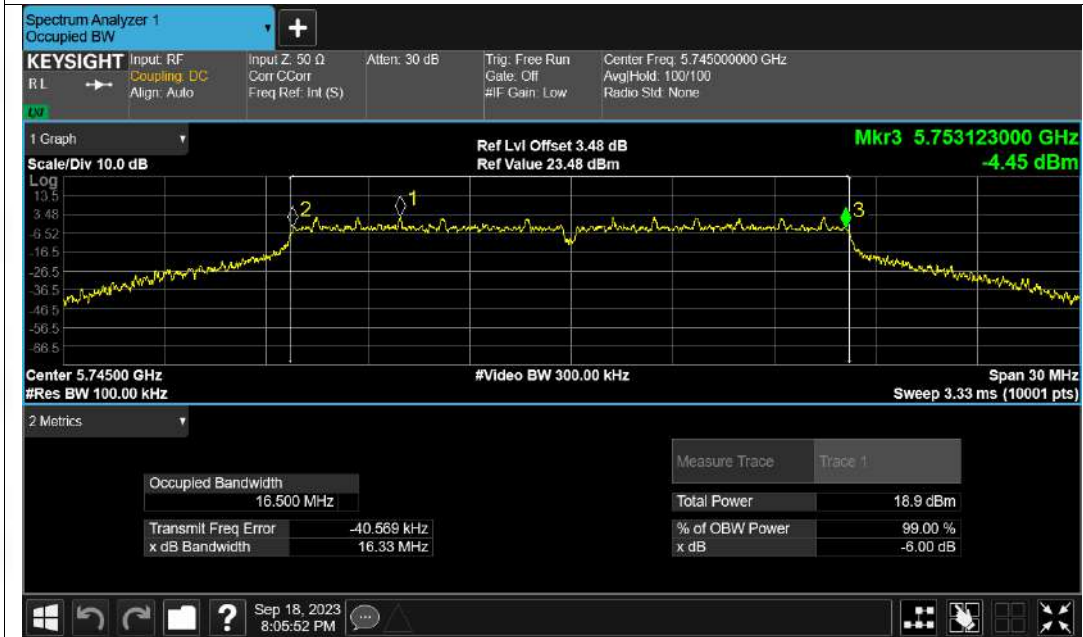


-26dB Bandwidth NVNT ax80 5610MHz Ant1

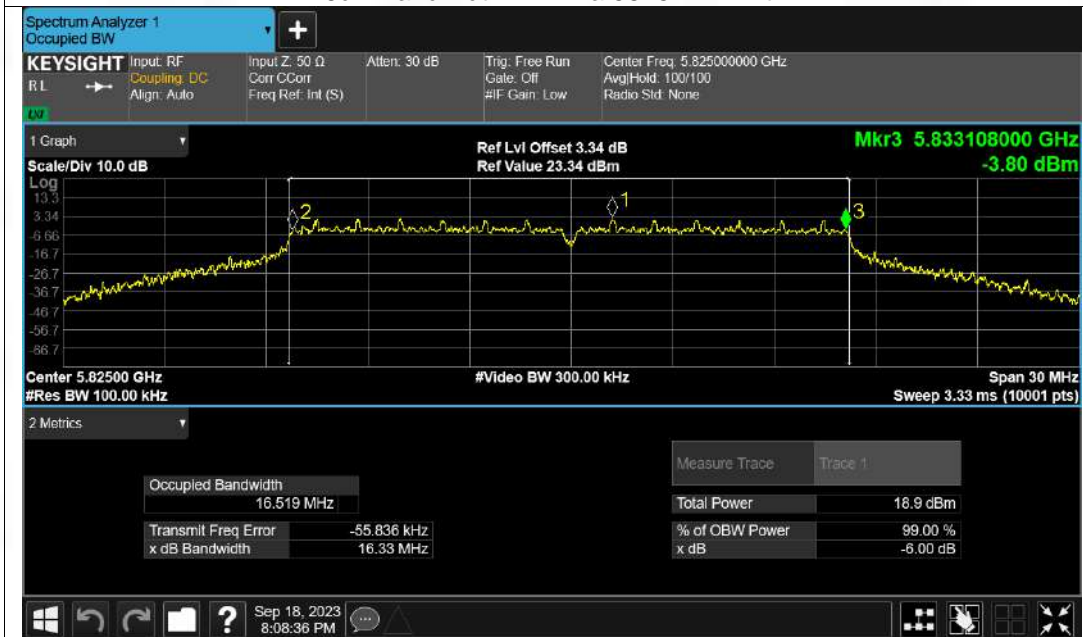


Test Graphs

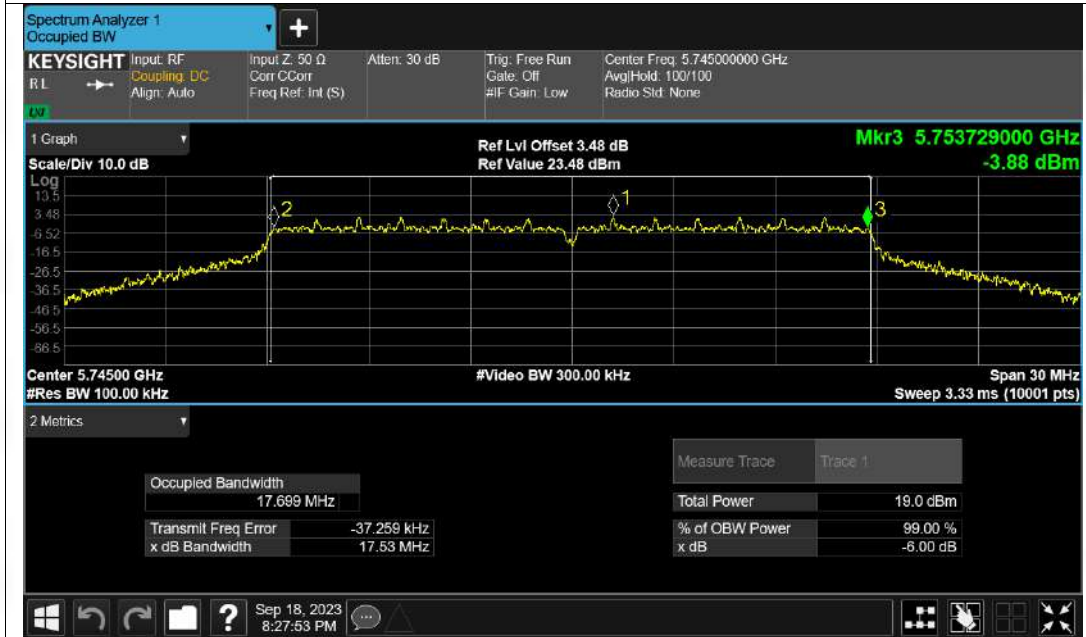
-6dB Bandwidth NVNT a 5745MHz Ant1



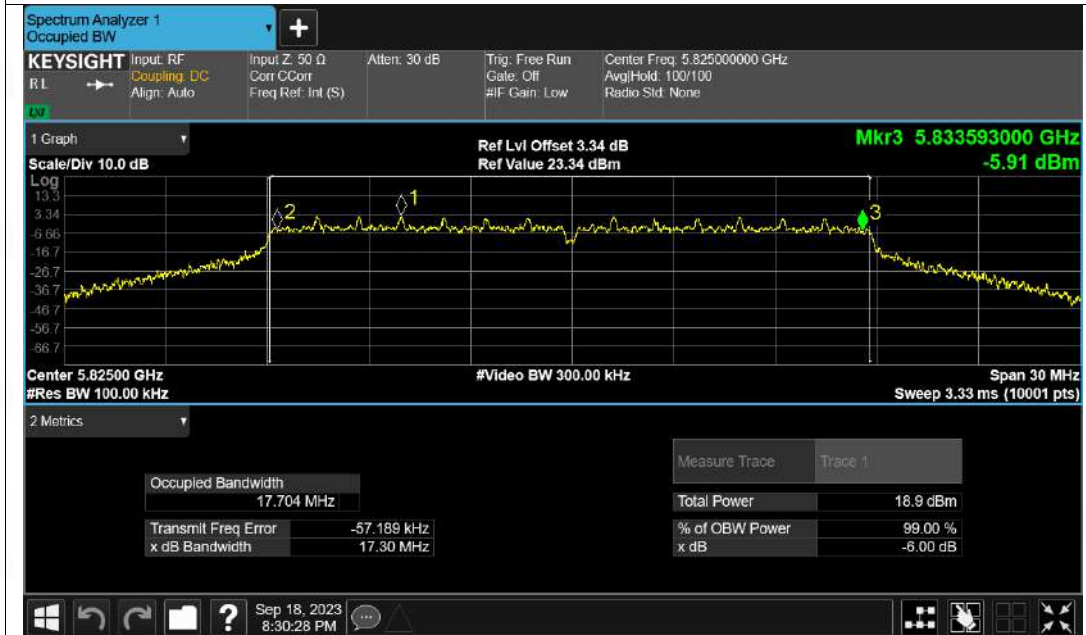
-6dB Bandwidth NVNT a 5825MHz Ant1



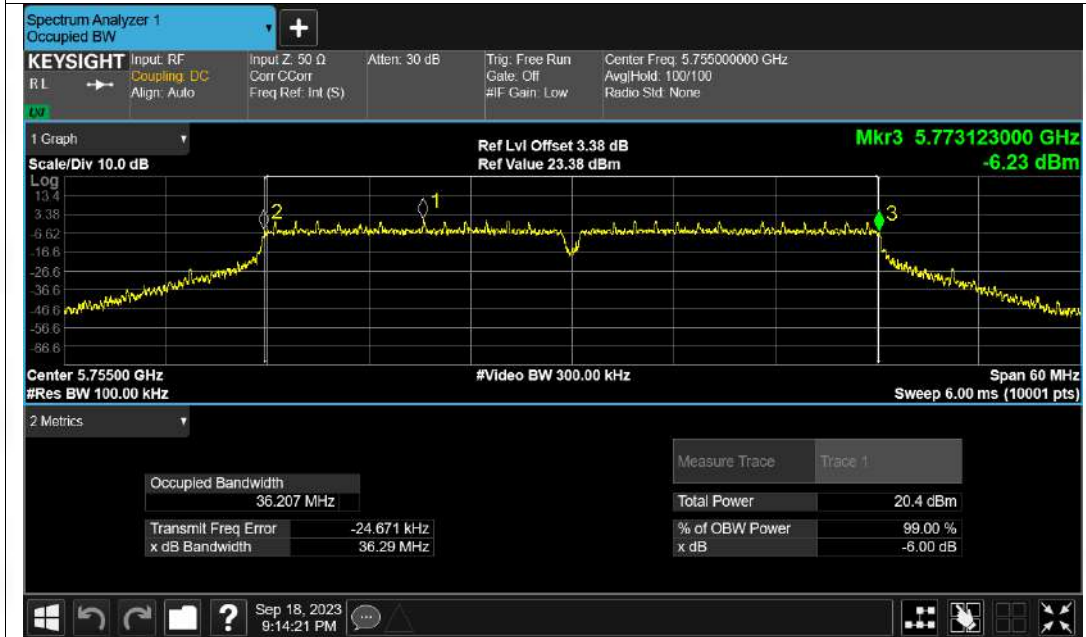
-6dB Bandwidth NVNT n20 5745MHz Ant1



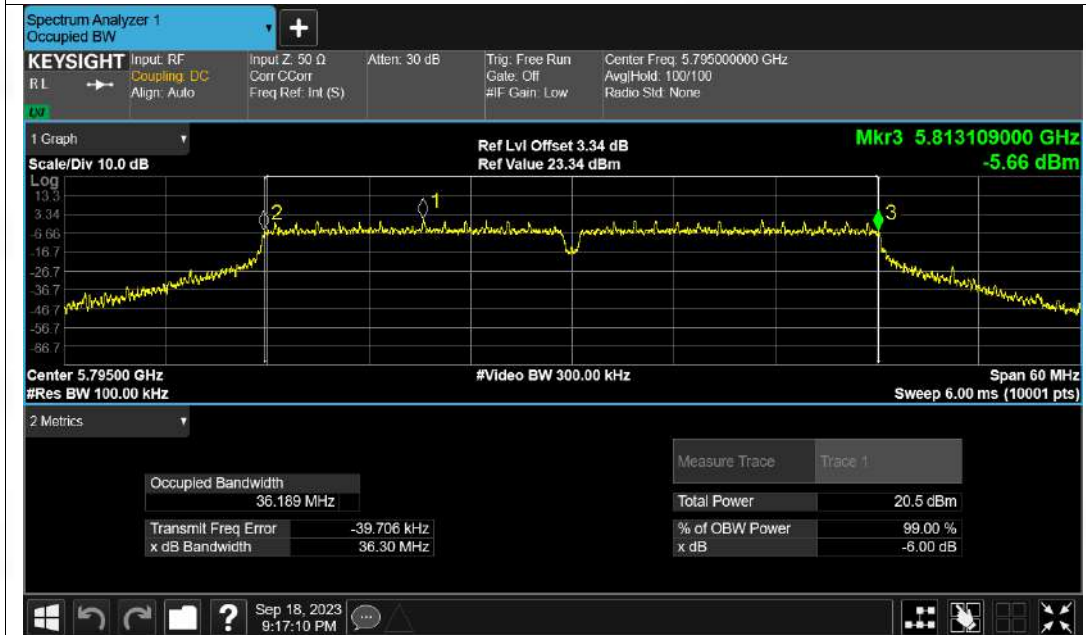
-6dB Bandwidth NVNT n20 5825MHz Ant1

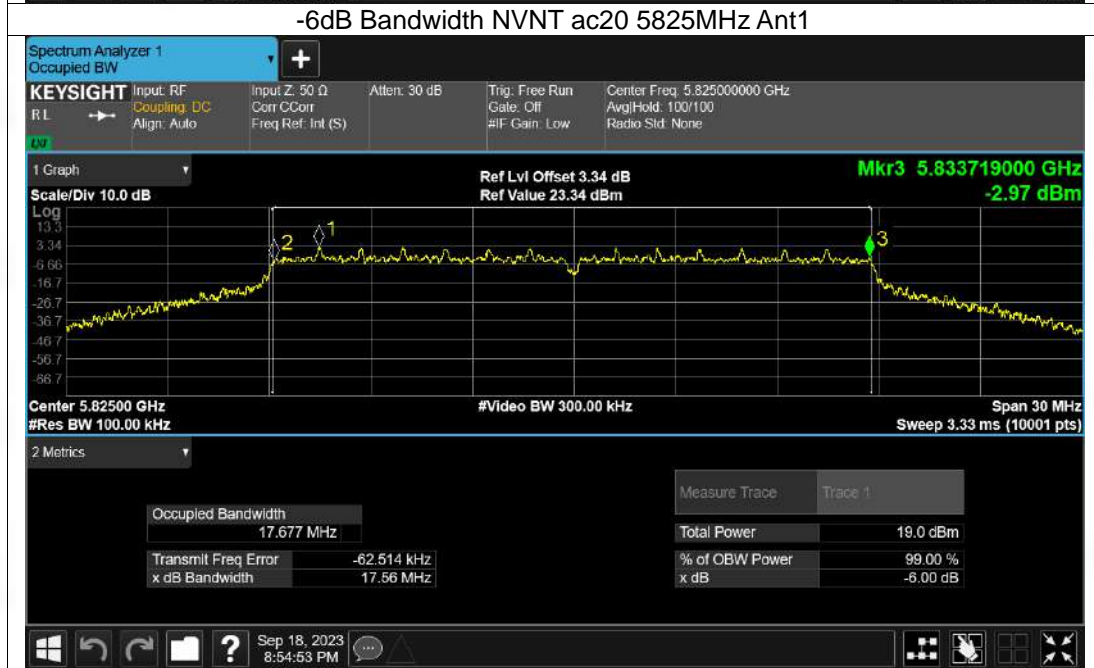
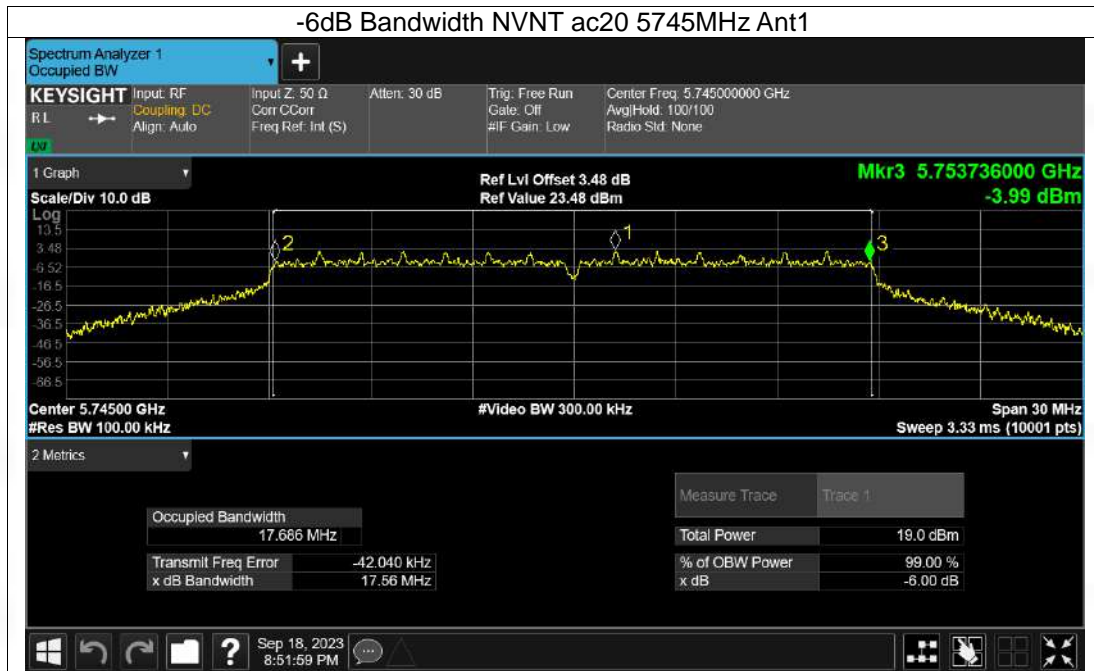


-6dB Bandwidth NVNT n40 5755MHz Ant1

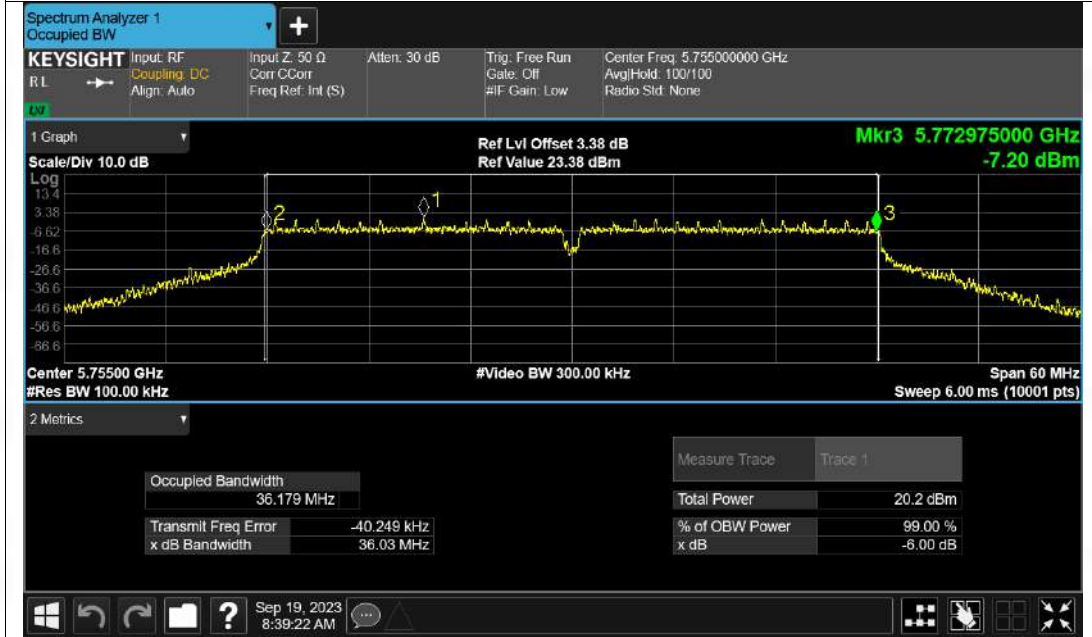


-6dB Bandwidth NVNT n40 5795MHz Ant1

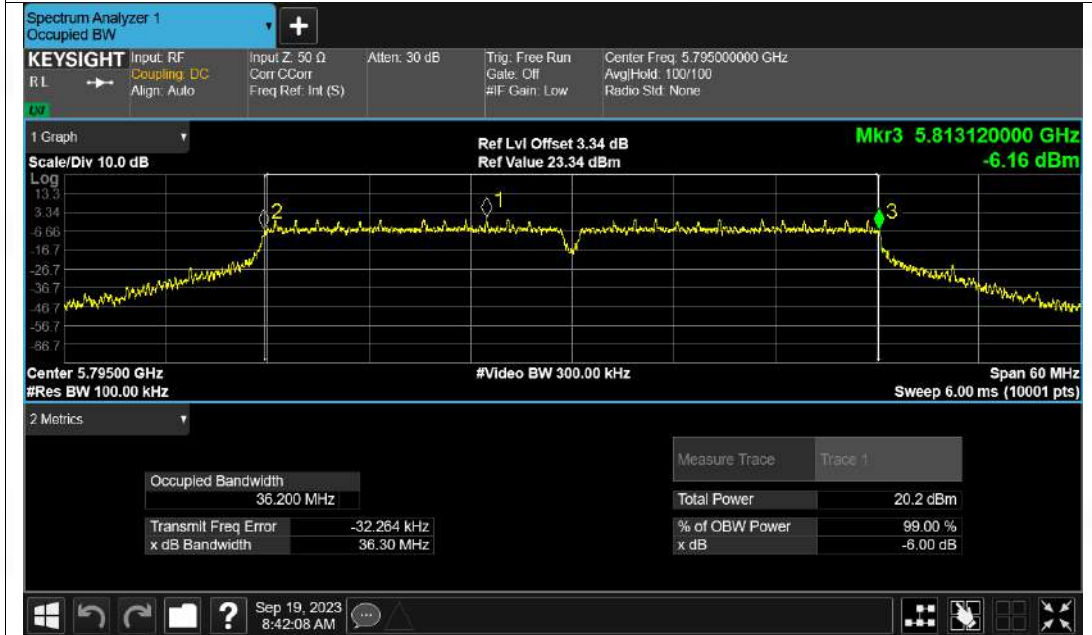




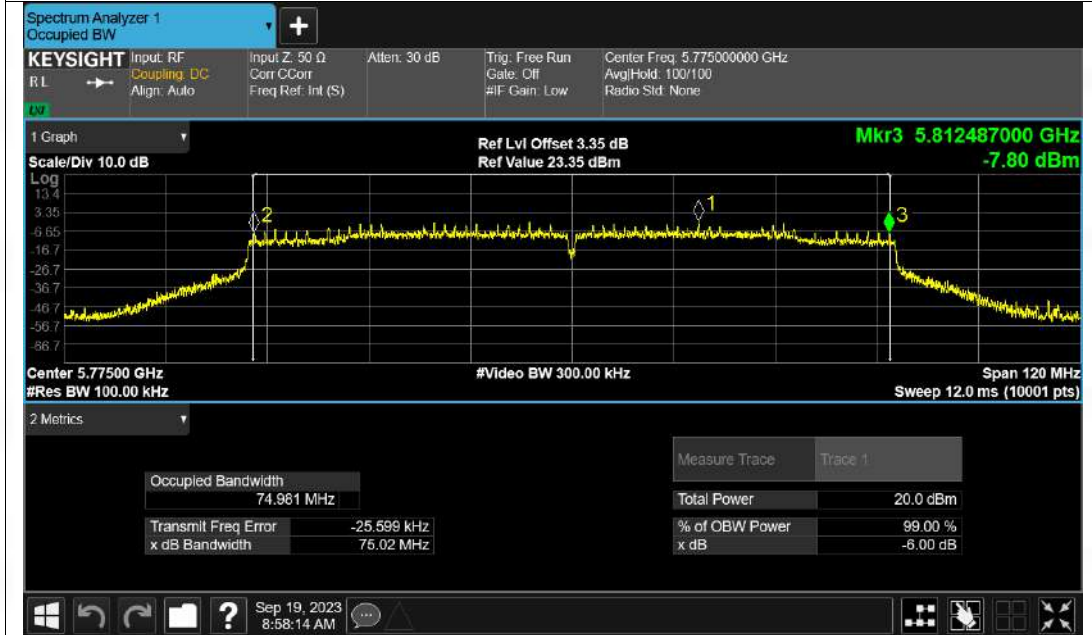
-6dB Bandwidth NVNT ac40 5755MHz Ant1



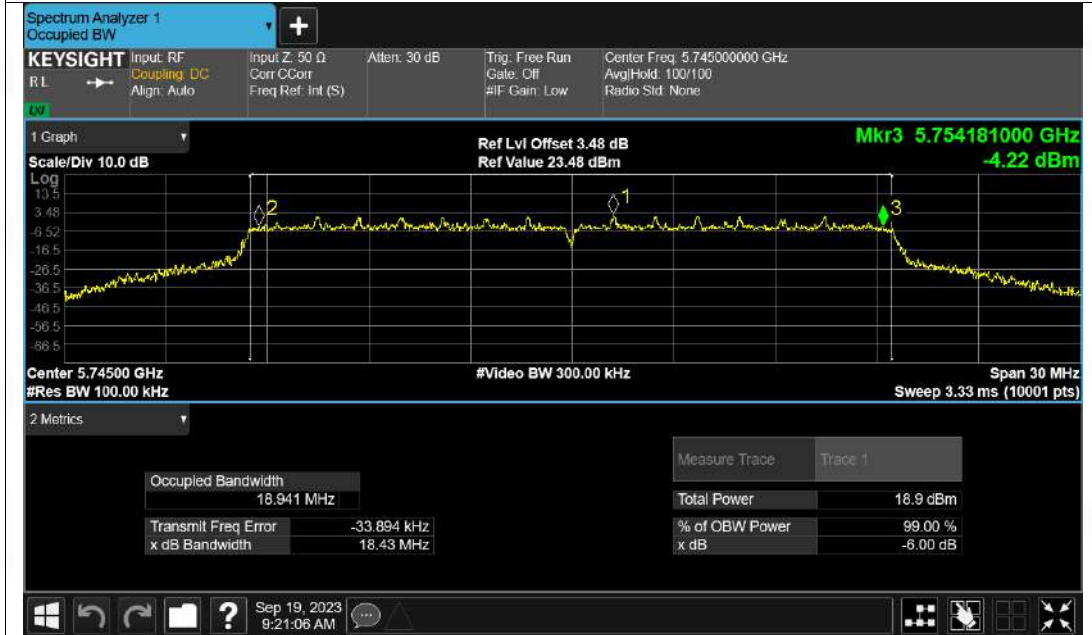
-6dB Bandwidth NVNT ac40 5795MHz Ant1



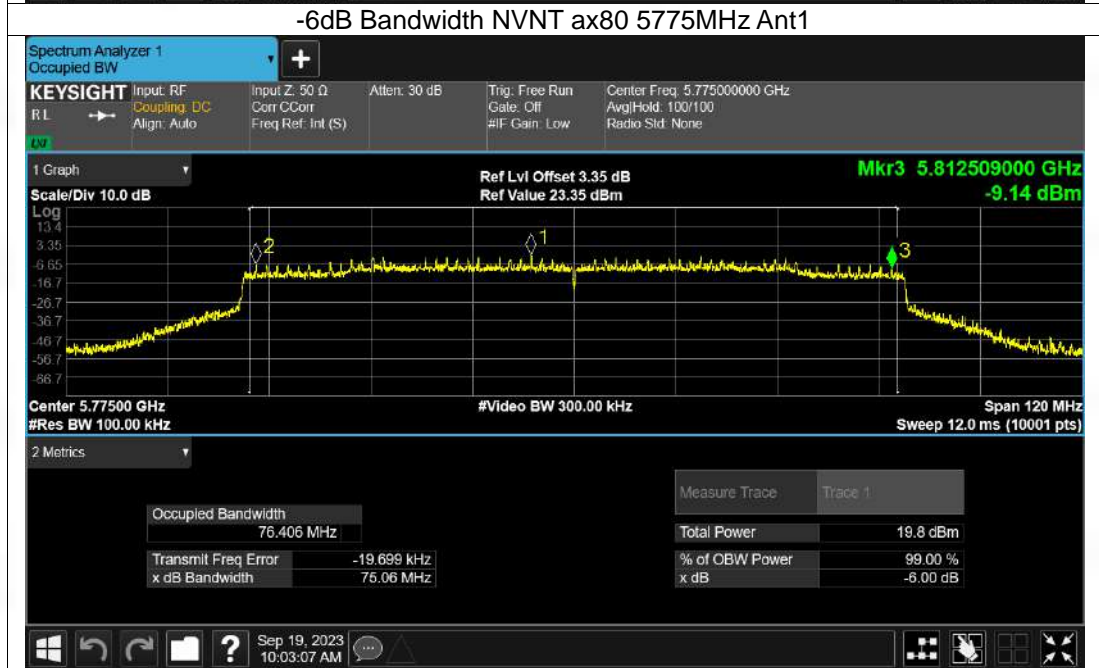
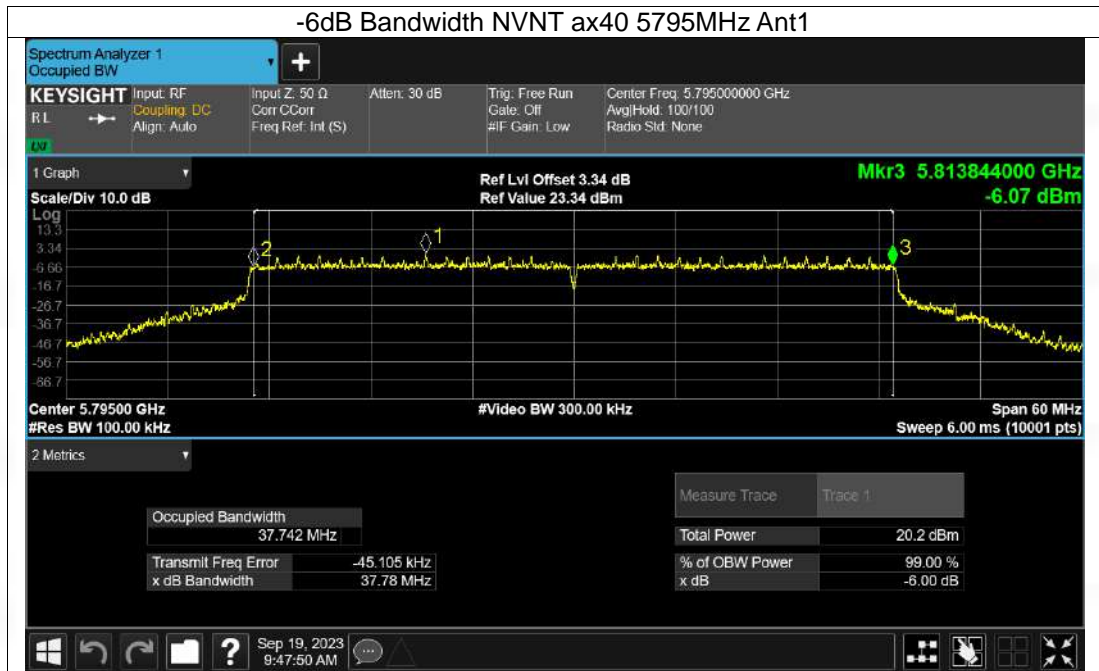
-6dB Bandwidth NVNT ac80 5775MHz Ant1



-6dB Bandwidth NVNT ax20 5745MHz Ant1







2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	12.53	24	Pass
a	5240	Ant1	11.72	24	Pass
a	5260	Ant1	11.64	24	Pass
a	5320	Ant1	11.84	24	Pass
a	5500	Ant1	11.69	24	Pass
a	5700	Ant1	12.57	24	Pass
a	5745	Ant1	12.34	30	Pass
a	5825	Ant1	12.06	30	Pass
n20	5180	Ant1	12.5	24	Pass
n20	5240	Ant1	11.68	24	Pass
n20	5260	Ant1	11.6	24	Pass
n20	5320	Ant1	11.81	24	Pass
n20	5500	Ant1	11.77	24	Pass
n20	5700	Ant1	12.66	24	Pass
n20	5745	Ant1	12.34	30	Pass
n20	5825	Ant1	12	30	Pass
n40	5190	Ant1	13.22	24	Pass
n40	5230	Ant1	13.33	24	Pass
n40	5270	Ant1	13.26	24	Pass
n40	5310	Ant1	12.4	24	Pass
n40	5510	Ant1	11.97	24	Pass
n40	5670	Ant1	14.02	24	Pass
n40	5755	Ant1	13.53	30	Pass
n40	5795	Ant1	13.53	30	Pass
ac20	5180	Ant1	12.45	24	Pass
ac20	5240	Ant1	11.66	24	Pass
ac20	5260	Ant1	11.57	24	Pass
ac20	5320	Ant1	11.76	24	Pass
ac20	5500	Ant1	11.71	24	Pass
ac20	5700	Ant1	12.57	24	Pass
ac20	5745	Ant1	12.25	30	Pass
ac20	5825	Ant1	11.97	30	Pass
ac40	5190	Ant1	13.1	24	Pass
ac40	5230	Ant1	13.3	24	Pass
ac40	5270	Ant1	13.12	24	Pass
ac40	5310	Ant1	12.25	24	Pass
ac40	5510	Ant1	11.81	24	Pass
ac40	5670	Ant1	13.85	24	Pass
ac40	5755	Ant1	13.45	30	Pass
ac40	5795	Ant1	13.41	30	Pass
ac80	5210	Ant1	13.29	24	Pass
ac80	5290	Ant1	11.48	24	Pass
ac80	5530	Ant1	12.19	24	Pass
ac80	5610	Ant1	14.1	24	Pass
ac80	5775	Ant1	13	30	Pass
ax160	5250	Ant1	8.38	24	Pass
ax160	5570	Ant1	10.22	24	Pass
ax20	5180	Ant1	12.47	24	Pass

ax20	5240	Ant1	11.62	24	Pass
ax20	5260	Ant1	11.51	24	Pass
ax20	5320	Ant1	11.73	24	Pass
ax20	5500	Ant1	11.55	24	Pass
ax20	5700	Ant1	12.53	24	Pass
ax20	5745	Ant1	12.35	30	Pass
ax20	5825	Ant1	12.03	30	Pass
ax40	5190	Ant1	12.92	24	Pass
ax40	5230	Ant1	13.12	24	Pass
ax40	5270	Ant1	12.94	24	Pass
ax40	5310	Ant1	12.09	24	Pass
ax40	5510	Ant1	11.59	24	Pass
ax40	5670	Ant1	13.64	24	Pass
ax40	5755	Ant1	13.3	30	Pass
ax40	5795	Ant1	13.18	30	Pass
ax80	5210	Ant1	13.13	24	Pass
ax80	5290	Ant1	11.3	24	Pass
ax80	5530	Ant1	11.87	24	Pass
ax80	5610	Ant1	13.88	24	Pass
ax80	5775	Ant1	12.7	30	Pass

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant2	12.43	24	Pass
a	5240	Ant2	11.59	24	Pass
a	5260	Ant2	11.48	24	Pass
a	5320	Ant2	12.05	24	Pass
a	5500	Ant2	11.79	24	Pass
a	5700	Ant2	12.64	24	Pass
a	5745	Ant2	12.46	30	Pass
a	5825	Ant2	11.76	30	Pass
n20	5180	Ant2	12.14	24	Pass
n20	5240	Ant2	11.42	24	Pass
n20	5260	Ant2	11.33	24	Pass
n20	5320	Ant2	11.94	24	Pass
n20	5500	Ant2	11.72	24	Pass
n20	5700	Ant2	12.57	24	Pass
n20	5745	Ant2	12.53	30	Pass
n20	5825	Ant2	11.73	30	Pass
n40	5190	Ant2	13.2	24	Pass
n40	5230	Ant2	13.13	24	Pass
n40	5270	Ant2	13.06	24	Pass
n40	5310	Ant2	12.48	24	Pass
n40	5510	Ant2	12.02	24	Pass
n40	5670	Ant2	14.05	24	Pass
n40	5755	Ant2	13.71	30	Pass
n40	5795	Ant2	13.42	30	Pass
ac20	5180	Ant2	12.34	24	Pass
ac20	5240	Ant2	11.43	24	Pass
ac20	5260	Ant2	11.32	24	Pass
ac20	5320	Ant2	12.02	24	Pass
ac20	5500	Ant2	11.7	24	Pass
ac20	5700	Ant2	12.63	24	Pass
ac20	5745	Ant2	12.56	30	Pass
ac20	5825	Ant2	11.78	30	Pass
ac40	5190	Ant2	13.1	24	Pass
ac40	5230	Ant2	13.09	24	Pass
ac40	5270	Ant2	13.01	24	Pass
ac40	5310	Ant2	12.39	24	Pass
ac40	5510	Ant2	11.95	24	Pass
ac40	5670	Ant2	13.94	24	Pass
ac40	5755	Ant2	13.62	30	Pass
ac40	5795	Ant2	13.3	30	Pass
ac80	5210	Ant2	13.21	24	Pass
ac80	5290	Ant2	11.52	24	Pass
ac80	5530	Ant2	12.19	24	Pass
ac80	5610	Ant2	14.27	24	Pass
ac80	5775	Ant2	13.03	30	Pass
ax160	5250	Ant2	8.53	24	Pass
ax160	5570	Ant2	10.5	24	Pass
ax20	5180	Ant2	12.3	24	Pass
ax20	5240	Ant2	11.41	24	Pass
ax20	5260	Ant2	11.26	24	Pass
ax20	5320	Ant2	11.86	24	Pass
ax20	5500	Ant2	11.63	24	Pass
ax20	5700	Ant2	12.57	24	Pass
ax20	5745	Ant2	12.48	30	Pass
ax20	5825	Ant2	11.72	30	Pass
ax40	5190	Ant2	12.89	24	Pass
ax40	5230	Ant2	12.82	24	Pass

ax40	5270	Ant2	12.69	24	Pass
ax40	5310	Ant2	12.16	24	Pass
ax40	5510	Ant2	11.76	24	Pass
ax40	5670	Ant2	13.73	24	Pass
ax40	5755	Ant2	13.38	30	Pass
ax40	5795	Ant2	13.17	30	Pass
ax80	5210	Ant2	13.03	24	Pass
ax80	5290	Ant2	11.3	24	Pass
ax80	5530	Ant2	12	24	Pass
ax80	5610	Ant2	14.01	24	Pass
ax80	5775	Ant2	12.91	30	Pass

MIMO Mode

Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
n20	5180	15.33	24	Pass
n20	5240	14.56	24	Pass
n20	5260	14.48	24	Pass
n20	5320	14.89	24	Pass
n20	5500	14.76	24	Pass
n20	5700	15.63	24	Pass
n20	5745	15.45	30	Pass
n20	5825	14.88	30	Pass
n40	5190	16.22	24	Pass
n40	5230	16.24	24	Pass
n40	5270	16.17	24	Pass
n40	5310	15.45	24	Pass
n40	5510	15.01	24	Pass
n40	5670	17.05	24	Pass
n40	5755	16.63	30	Pass
n40	5795	16.49	30	Pass
ac20	5180	15.41	24	Pass
ac20	5240	14.56	24	Pass
ac20	5260	14.46	24	Pass
ac20	5320	14.90	24	Pass
ac20	5500	14.72	24	Pass
ac20	5700	15.61	24	Pass
ac20	5745	15.42	30	Pass
ac20	5825	14.89	30	Pass
ac40	5190	16.11	24	Pass
ac40	5230	16.21	24	Pass
ac40	5270	16.08	24	Pass
ac40	5310	15.33	24	Pass
ac40	5510	14.89	24	Pass
ac40	5670	16.91	24	Pass
ac40	5755	16.55	30	Pass
ac40	5795	16.37	30	Pass
ac80	5210	16.26	24	Pass
ac80	5290	14.51	24	Pass
ac80	5530	15.20	24	Pass
ac80	5610	17.20	24	Pass
ac80	5775	16.03	30	Pass
ax160	5250	11.47	24	Pass
ax160	5570	13.37	24	Pass
ax20	5180	15.40	24	Pass
ax20	5240	14.53	24	Pass
ax20	5260	14.40	24	Pass
ax20	5320	14.81	24	Pass
ax20	5500	14.60	24	Pass
ax20	5700	15.56	24	Pass
ax20	5745	15.43	30	Pass
ax20	5825	14.89	30	Pass

ax40	5190	15.92	24	Pass
ax40	5230	15.98	24	Pass
ax40	5270	15.83	24	Pass
ax40	5310	15.14	24	Pass
ax40	5510	14.69	24	Pass
ax40	5670	16.70	24	Pass
ax40	5755	16.35	30	Pass
ax40	5795	16.19	30	Pass
ax80	5210	16.09	24	Pass
ax80	5290	14.31	24	Pass
ax80	5530	14.95	24	Pass
ax80	5610	16.96	24	Pass
ax80	5775	15.82	30	Pass

2.1.2 Test Graph

